Analytical Resources, LLC
Analytical Chemists and Consultants

02 March 2023

Ali Judkins
Anchor QEA, LLC
1201 3rd Ave, Suite 2600
Seattle, WA 98101

RE: AOC4 UR Phase 3

Please find enclosed sample receipt documentation and analytical results for samples from the project referenced above.

Sample analyses were performed according to ARI's Quality Assurance Plan and any provided project specific Quality Assurance Plan. Each analytical section of this report has been approved and reviewed by an analytical peer, the appropriate Laboratory Supervisor or qualified substitute, and a technical reviewer.

Should you have any questions or problems, please feel free to contact us at your convenience.

Associated Work Order(s)	Associated SDG ID(s)
22L0307	N/A

Susan Dunnihoo

Digitally signed by Susan Dunnihoo
Date: 2023.03.02 13:19:12 -08'00'

I certify that this data package is in compliance with the terms and conditions of the contract, both technically and for completeness, for other than the conditions detailed in the enclosed Narrative. ARI, an accredited laboratory, certifies that the report results for which ARI is accredited meets all the requirements of the accrediting body. A list of certified analyses, accreditations, and expiration dates is included in this report.

Release of the data contained in this hardcopy data package has been authorized by the Laboratory Manager or his/her designee, as verified by the following signature.

Analytical Resources, LLC

Susan Dunnihoo

Susan Dunnihoo, Director, Client Services

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.

Cert# 100006-012

~~#~~1 of 6 22L0307

CHAIN-OF-CUSTODY/TEST REQUEST FORM

№ 3291

Project/Client Name: AOC4 LR Phase 3
Project Number: 180067-02.04
Contact Name: Amara Vandervort
Sampled By: Windward

Ship to: ARL
Attn: Sue Dunnihoo
Shipper: Courier
Form filled out by: AV/BQ

Shipping Date: 12/~~9~~12/2022
Airbill Number: —
Turnaround requested: Std

Sample Collection Date (m/d/y)	Time	Sample Identification	Volume of Sample / # of Containers	Matrix	Test(s) Requested (check test(s) required): Archive	TOC/Total Solids		PCBs				Comments / Instructions [Jar tag number(s)]
12/12/22	0826	LDW22-IT793A	3	Sediment	X	X		X				
↓	↓	LDW22-IT793B	↓	↓	↓	↓		↓				
↓	↓	LDW22-IT793C	↓	↓	↓	↓		↓				
↓	↓	LDW22-IT793D	↓	↓	↓	↓		↓				
↓	↓	LDW22-IT793D-FD	↓	↓	↓	↓		↓				
↓	↓	LDW22-IT793E	↓	↓	↓	↓		↓				
↓	↓	LDW22-IT793F	↓	↓	↓	↓		↓				
12/12/22	0747	LDW22-IT795B	↓	↓	↓	↓		↓				
↓	↓	LDW22-IT795C	↓	↓	↓	↓		↓				
↓	↓	LDW22-IT795C-FD	↓	↓	↓	↓		↓				
↓	↓	LDW22-IT795D	↓	↓	↓	↓		↓				
↓	↓	LDW22-IT795E	↓	↓	↓	↓		↓				
↓	↓	**Total Number of Containers**	36	Purchase Order / Statement of Work # APJ-110222-AOC4-ARL								

1) Released by: Print name: Amara Vandervort Signature: AVandervort Company: Windward Date/Time: 12/12/22 16:14	1) Rec'd by: YARED Company: YA YA SAFETY Date/Time: 12/12/22 4:14	2) Released by: Print name: YARED Signature: Company: YA YA SAFETY Date/Time: 12/12/22 1642	2) Rec'd by: Company: ARI Date/Time: 12/12/22 1642

* Distribution: White copies accompany shipment; yellow retained by consignor.

To be completed by Laboratory upon sample receipt:

Date of receipt::	Laboratory W.O. #:
Condition upon receipt:	Time of receipt:
Cooler temperature:	Received by:

WindWard environmental LLC

200 1st Ave W, Suite 500
Seattle, WA 98119

206.378.1364

2 of 6 22L0307

CHAIN-OF-CUSTODY/TEST REQUEST FORM

№ 3269

Project/Client Name: AOC4 UR Phase3
Project Number: 180067-02.04
Contact Name: Amara Vandervort
Sampled By: Windward

Ship to: ARI
Attn: Sue Dunnihoo
Shipper: Courier
Form filled out by: AV/BQ

Shipping Date: 12/~~8~~12/2022
Airbill Number: —
Turnaround requested: Std

Sample Collection Date (m/d/y)	Time	Sample Identification	Volume of Sample / # of Containers	Matrix	Test(s) Requested (check test(s) required): Archive	TOC/total solids		PCBs				Comments / Instructions [Jar tag number(s)]
12/12/22	0747	LDW22-IT795F	3	Sediment	X	X		X				
12/12/22	0747	LDW22-IT795G	3		X	X		X				
12/12/22	0835	LDW22-IT806A			X	X		X				
		LDW22-IT806B			X	X		X				
		LDW22-IT806C			X	X		X				
		LDW22-IT806D			X	X		X				
		LDW22-IT806E			X	X		X				
		LDW22-IT806F			X	X		X				
	0926	LDW22-SC750A			X	X		X				
		LDW22-SC750B			X	X		X				
		LDW22-SC750C			X	X		X				
		LDW22-SC750D	✓	✓	X	X		X				
↓	↓	**Total Number of Containers**	36	Purchase Order / Statement of Work # APJ-110222-AOC4-ARL								

1) Released by:
Print name: Amara Vandervort
Signature: A Vervort
Company: Windward
Date/Time: 12/12/22 1614

1) Rec'd by: YARED
Company: YA YA SAFETY
Date/Time: 12/12/22 4:14PM

2) Released by:
Print name: YARED
Signature:
Company: YA YA SAFETY
Date/Time: 12/12/22 ~~4:14~~ 1642 PM

2) Rec'd by:
Company: ARI
Date/Time: 12/12/22 1642

* Distribution: White copies accompany shipment; yellow retained by consignor.

To be completed by Laboratory upon sample receipt:

Date of receipt::	Laboratory W.O. #:
Condition upon receipt:	Time of receipt:
Cooler temperature:	Received by:

WindWard environmental LLC

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Seattle, WA 98119

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3 of 6 22L0307

CHAIN-OF-CUSTODY/TEST REQUEST FORM

№ 3267

Project/Client Name: AOC4 UE Phase 3
Project Number: 180067-02.04
Contact Name: Amara Vandervort
Sampled By: Windward

Ship to: ARI
Attn: Sue Dunnihoo
Shipper: Courier
Form filled out by: AV/BQ

Shipping Date: 12/~~9~~ 12/2022 AV
Airbill Number:
Turnaround requested: std

Sample Collection Date (m/d/y)	Time	Sample Identification	Volume of Sample / # of Containers	Matrix	Archive	TOC/total solids	~~Diox~~ Dioxins/Furans	PCBs	BBP			Comments / Instructions [Jar tag number(s)]
12/12/22	0926	LDW22-SC750E	3	sediment	X	X		X				
		LDW22-SC750F			X	X		X				
		LDW22-SC750G			X	X		X				
		LDW22-SC750H			X	X		X				
	0946	LDW22-IT808A			X	X	X	X				
		LDW22-IT808B			X	X	X	X				
		LDW22-IT808C			X	X	X	X				
		LDW22-IT808D			X	X	X	X				
		LDW22-IT808E			X	X	X	X				
		LDW22-IT808F			X	X	X	X				
	1118	LDW22-SC804B			X	X		X	X			
	1118	LDW22-SC804C			X	X		X	X			
		Total Number of Containers	36	Purchase Order / Statement of Work # APJ-110222-AOC4-ARL								

1) Released by:	1) Rec'd by:	2) Released by:	2) Rec'd by:
Print name: A. Vandervort	YARED	Print name: YARED	
Signature:		Signature:	
Company: Windward	Company: YA YA SAFETY	Company: YA YA SAFETY	Company: ARI
Date/Time: 12/12/22 16:14	Date/Time: 12/12/22 4:14	Date/Time: 12/12/22 1642	Date/Time: 12/12/22 1642

* Distribution: White copies accompany shipment; yellow retained by consignor.

To be completed by Laboratory upon sample receipt:

Date of receipt::	Laboratory W.O. #:
Condition upon receipt:	Time of receipt:
Cooler temperature:	Received by:

Wind Ward environmental LLC

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Seattle, WA 98119

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4 of 6 22L0307

CHAIN-OF-CUSTODY/TEST REQUEST FORM

№ 3385

Project/Client Name: AOC4 MR Phase 3
Project Number: 180067-02.04
Contact Name: Amara Vandervort
Sampled By: Windward

Ship to: ARI
Attn: Sue Dunnihoo
Shipper: Courier
Form filled out by: AV/BQ

Shipping Date: 12/9/2022
Airbill Number: —
Turnaround requested: std

Sample Collection Date (m/d/y)	Time	Sample Identification	Volume of Sample / # of Containers	Matrix	Test(s) Requested (check test(s) required): Archive	TOC/Total solids	~~Dioxins/Furans~~ BBP	PCBs				Comments / Instructions [Jar tag number(s)]
12/12/22	1118	LDW22-SC804D	3	sediment	X	X	X	X				
	1118	LDW22-SC804E	3		X	X	X	X				
	1118	LDW22-SC804F	3		X	X	X	X				
	1118	LDW22-SC804F-FD	3		X	X	X	X				
	1118	LDW22-SC804G	3		X	X	X	X				
	1118	LDW22-SC804H	3		X	X	X	X				
	1101	LDW22-SC752A	3		X	X	—	X				
	1101	LDW22-SC752B	3		X	X	—	X				
	1101	LDW22-SC752C	3		X	X	—	X				
	1101	LDW22-SC752D	3		X	X	—	X				
	1101	LDW22-SC752E	3		X	X	—	X				
	1101	LDW22-SC752F	3	✓	X	X	—	X				
✓	1101	**Total Number of Containers**	36	Purchase Order / Statement of Work # APJ-110222-AOC4-ARL								

1) Released by:	1) Rec'd by: YARED	2) Released by:	2) Rec'd by:
Print name: Amara Vandervort		Print name: YARED	
Signature:	Company: YA YA SAFETY	Signature:	Company: ARI
Company: Windward		Company: YA YA SAFETY	
Date/Time: 12/12/22 16:14	Date/Time: 12/12/22 4:14PM	Date/Time: 12/12/22 1642	Date/Time: 12/12/22 1642

* Distribution: White copies accompany shipment; yellow retained by consignor.

To be completed by Laboratory upon sample receipt:

Date of receipt::	Laboratory W.O. #:
Condition upon receipt:	Time of receipt:
Cooler temperature:	Received by:

Windward environmental LLC

200 1st Ave W, Suite 500
Seattle, WA 98119

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5 ~~7~~ ~~6~~ AV of 6 22L0307

CHAIN-OF-CUSTODY/TEST REQUEST FORM

№ 3295

Project/Client Name: AOC4 MR Phase 3
Project Number: 180067-02.04
Contact Name: Amara Vandenort
Sampled By: Windward

Ship to: ARI
Attn: Sue Dunnihoo
Shipper: Courier
Form filled out by: AV/CC

Shipping Date: 12/12/2022 ~~12/9/2022~~ cc
Airbill Number: —
Turnaround requested: Std

Sample Collection Date (m/d/y)	Time	Sample Identification	Volume of Sample / # of Containers	Matrix	Test(s) Requested (check test(s) required): Archive	TOC/Total Solids		PCBs				Comments / Instructions [Jar tag number(s)]
12/12/22	1101	LDW22-SC752G	3	Sediment	X	X		X				
12/12/22	1101	LDW22-SC752H	3		X	X		X				
12/12/22	1101	LDW22-SC752B-FD	3		X	X		X				
12/12/22	1214	LDW22-SC800A			X	X		X				
		LDW22-SC800B			X	X		X				
		LDW22-SC800C			X	X		X				
		LDW22-SC800D			X	X		X				
		LDW22-SC800E			X	X		X				
		LDW22-SC800F			X	X		X				
		LDW22-SC800G			X	X		X				
		LDW22-SC800H			X	X		X				
								AV 12/12/22				
		Total Number of Containers	33	Purchase Order / Statement of Work # APJ-110222-AOC4-ARL								

1) Released by:	1) Rec'd by: YARED	2) Released by:	2) Rec'd by:
Print name: Amara Vandenort		Print name: YARED	
Signature:	Company: YA YA SAFETY	Signature:	Company: ARI
Company: Windward		Company: YA YA SAFETY	
Date/Time: 12/12/22 16:14	Date/Time: 12/12/22 4:14	Date/Time: 12/12/22 1642	Date/Time: 12/12/22 1642

* Distribution: White copies accompany shipment; yellow retained by consignor.

To be completed by Laboratory upon sample receipt:

Date of receipt::	Laboratory W.O. #:
Condition upon receipt:	Time of receipt:
Cooler temperature:	Received by:

WindWard environmental LLC

200 1st Ave W, Suite 500
Seattle, WA 98119

206.378.1364

~~8~~ 6 of 6 22L0307

CHAIN-OF-CUSTODY/TEST REQUEST FORM

№ 3319

Project/Client Name: AOC4 MR Phase 3
Project Number: 180067-02.04
Contact Name: Amara Vandevort
Sampled By: Windward

Ship to: ARI
Attn: Sue Dunnihoo
Shipper: Courier
Form filled out by: AV/CC
Shipping Date: ~~12/9/2022~~ 12/12/2022 cc
Airbill Number: —
Turnaround requested: Std

Sample Collection Date (m/d/y)	Time	Sample Identification	Volume of Sample / # of Containers	Matrix	Test(s) Requested (check test(s) required): Archive	TOC/total solids		PCBs				Comments / Instructions [Jar tag number(s)]
12/12/22	1259	LDW22-SC783B	3	Sediment	X	X		X				
↓	1259	LDW22-SC783C	3	↓	X	X		X				
	1259	LDW22-SC783D	3		X	X		X				
	1259	LDW22-SC783E	3		X	X		X				
	1259	LDW22-SC783F	3		X	X		X				
	1259	LDW22-SC783G	3		X	X		X				
	1259	LDW22-SC783H	3		X	X		X				
		Total Number of Containers	21	Purchase Order / Statement of Work # APJ-110222-AOC4-ARL								

1) Released by:	1) Rec'd by:	2) Released by:	2) Rec'd by:
Print name: Amara Vandevort	YARED	Print name: YARED	
Signature: AVandevort		Signature:	
Company: Windward	Company: YA YA SAFETY	Company: YA YA SAFETY	Company: ARI
Date/Time: 12/12/22 1614	Date/Time: 12/12/22 4:14 PM	Date/Time: 12/12/22 1642	Date/Time: 12/12/22 1642

* Distribution: White copies accompany shipment; yellow retained by consignor.

To be completed by Laboratory upon sample receipt:

Date of receipt::	Laboratory W.O. #:
Condition upon receipt:	Time of receipt:
Cooler temperature:	Received by:

WindWard environmental LLC

200 1st Ave W, Suite 500
Seattle, WA 98119

206.378.1364

Analytical Resources, LLC
Analytical Chemists and Consultants

Cooler Receipt Form

ARI Client: Windward
COC No(s): 3319, 3295, 3385, 3267, 3269, 3271, ~~NA~~ JJ
Assigned ARI Job No: 22L0307
Project Name: AOC4 UR Phase 3
Delivered by: Fed-Ex UPS Courier [✓ Hand Delivered] Other:
Tracking No: [✓ NA]

Preliminary Examination Phase:

Were intact, properly signed and dated custody seals attached to the outside of the cooler? YES [✓ NO]
Were custody papers included with the cooler? .... [✓ YES] NO
Were custody papers properly filled out (ink, signed, etc.) .... [✓ YES] NO
Temperature of Cooler(s) (°C) (recommended 2.0-6.0 °C for chemistry) 2.1° 0.7° 4.1° 2.4° 2.8°
Time 1642
If cooler temperature is out of compliance fill out form 00070F
Temp Gun ID#: 9708
Cooler Accepted by: Date: 12/12/22 Time: 1642

Complete custody forms and attach all shipping documents

Log-In Phase:

Was a temperature blank included in the cooler? .... YES [✓ NO]
What kind of packing material was used? ... Bubble Wrap [✓ Wet Ice] Gel Packs Baggies Foam Block Paper Other:
Was sufficient ice used (if appropriate)? .... NA [✓ YES] NO
How were bottles sealed in plastic bags? .... [✓ Individually] Grouped Not
Did all bottles arrive in good condition (unbroken)? .... [✓ YES] NO
Were all bottle labels complete and legible? .... [✓ YES] NO
Did the number of containers listed on COC match with the number of containers received? .... ~~YES~~ JJ [✓ NO]
Did all bottle labels and tags agree with custody papers? .... [✓ YES] NO
Were all bottles used correct for the requested analyses? .... [✓ YES] NO
Do any of the analyses (bottles) require preservation? (attach preservation sheet, excluding VOCs) ... [✓ NA] YES NO
Were all VOC vials free of air bubbles? .... [✓ NA] YES NO
Was sufficient amount of sample sent in each bottle? .... [✓ YES] NO
Date VOC Trip Blank was made at ARI.. [✓ NA]
Were the sample(s) split by ARI? [✓ NA] YES Date/Time: Equipment: Split by:

Samples Logged by: JJ Date: 12/13/22 Time: 0815 Labels checked by: JJ

***** Notify Project Manager of discrepancies or concerns *****

Sample ID on Bottle	Sample ID on COC	Sample ID on Bottle	Sample ID on COC

Additional Notes, Discrepancies, & Resolutions:

Samples LDW22-IT848A, B, C, D, E, & F all have 4 containers provided, not 3.

By: JJ Date: ~~12/13~~ 12/13/22 JJ

Anchor QEA, LLC	Project: AOC4 UR Phase 3	
1201 3rd Ave, Suite 2600	Project Number: 180067-02.04	**Reported:**
Seattle, WA 98101	Project Manager: Ali Judkins	03/02/2023 09:20

ANALYTICAL REPORT FOR SAMPLES

Laboratory ID	Sample ID	Matrix	Date Sampled	Date Received
22L0307-01	LDW22-IT793A	Solid	12/12/22 08:26	12/12/22 16:42
22L0307-02	LDW22-IT793B	Solid	12/12/22 08:26	12/12/22 16:42
22L0307-03	LDW22-IT793C	Solid	12/12/22 08:26	12/12/22 16:42
22L0307-04	LDW22-IT793D	Solid	12/12/22 08:26	12/12/22 16:42
22L0307-05	LDW22-IT793D-FD	Solid	12/12/22 08:26	12/12/22 16:42
22L0307-06	LDW22-IT793E	Solid	12/12/22 08:26	12/12/22 16:42
22L0307-07	LDW22-IT793F	Solid	12/12/22 08:26	12/12/22 16:42
22L0307-08	LDW22-IT795B	Solid	12/12/22 07:47	12/12/22 16:42
22L0307-09	LDW22-IT795C	Solid	12/12/22 07:47	12/12/22 16:42
22L0307-10	LDW22-IT795C-FD	Solid	12/12/22 07:47	12/12/22 16:42
22L0307-11	LDW22-IT795D	Solid	12/12/22 07:47	12/12/22 16:42
22L0307-12	LDW22-IT795E	Solid	12/12/22 07:47	12/12/22 16:42
22L0307-13	LDW22-IT795F	Solid	12/12/22 07:47	12/12/22 16:42
22L0307-14	LDW22-IT795G	Solid	12/12/22 07:47	12/12/22 16:42
22L0307-15	LDW22-IT806A	Solid	12/12/22 08:35	12/12/22 16:42
22L0307-16	LDW22-IT806B	Solid	12/12/22 08:35	12/12/22 16:42
22L0307-17	LDW22-IT806C	Solid	12/12/22 08:35	12/12/22 16:42
22L0307-18	LDW22-IT806D	Solid	12/12/22 08:35	12/12/22 16:42
22L0307-19	LDW22-IT806E	Solid	12/12/22 08:35	12/12/22 16:42
22L0307-20	LDW22-IT806F	Solid	12/12/22 08:35	12/12/22 16:42
22L0307-21	LDW22-SC750A	Solid	12/12/22 09:26	12/12/22 16:42
22L0307-22	LDW22-SC750B	Solid	12/12/22 09:26	12/12/22 16:42
22L0307-23	LDW22-SC750C	Solid	12/12/22 09:26	12/12/22 16:42
22L0307-24	LDW22-SC750D	Solid	12/12/22 09:26	12/12/22 16:42
22L0307-25	LDW22-SC750E	Solid	12/12/22 09:26	12/12/22 16:42
22L0307-26	LDW22-SC750F	Solid	12/12/22 09:26	12/12/22 16:42
22L0307-27	LDW22-SC750G	Solid	12/12/22 09:26	12/12/22 16:42
22L0307-28	LDW22-SC750H	Solid	12/12/22 09:26	12/12/22 16:42
22L0307-29	LDW22-IT808A	Solid	12/12/22 09:46	12/12/22 16:42
22L0307-30	LDW22-IT808B	Solid	12/12/22 09:46	12/12/22 16:42
22L0307-31	LDW22-IT808C	Solid	12/12/22 09:46	12/12/22 16:42
22L0307-32	LDW22-IT808D	Solid	12/12/22 09:46	12/12/22 16:42
22L0307-33	LDW22-IT808E	Solid	12/12/22 09:46	12/12/22 16:42
22L0307-34	LDW22-IT808F	Solid	12/12/22 09:46	12/12/22 16:42
22L0307-35	LDW22-SC804B	Solid	12/12/22 11:18	12/12/22 16:42
22L0307-36	LDW22-SC804C	Solid	12/12/22 11:18	12/12/22 16:42
22L0307-37	LDW22-SC804D	Solid	12/12/22 11:18	12/12/22 16:42
22L0307-38	LDW22-SC804E	Solid	12/12/22 11:18	12/12/22 16:42
22L0307-39	LDW22-SC804F	Solid	12/12/22 11:18	12/12/22 16:42
22L0307-40	LDW22-SC804F-FD	Solid	12/12/22 11:18	12/12/22 16:42
22L0307-41	LDW22-SC804G	Solid	12/12/22 11:18	12/12/22 16:42
22L0307-42	LDW22-SC804H	Solid	12/12/22 11:18	12/12/22 16:42
22L0307-43	LDW22-SC752A	Solid	12/12/22 11:01	12/12/22 16:42
22L0307-44	LDW22-SC752B	Solid	12/12/22 11:01	12/12/22 16:42
22L0307-45	LDW22-SC752C	Solid	12/12/22 11:01	12/12/22 16:42

Anchor QEA, LLC	Project: AOC4 UR Phase 3	
1201 3rd Ave, Suite 2600	Project Number: 180067-02.04	**Reported:**
Seattle, WA 98101	Project Manager: Ali Judkins	03/02/2023 09:20

ANALYTICAL REPORT FOR SAMPLES

Laboratory ID	Sample ID	Matrix	Date Sampled	Date Received
22L0307-46	LDW22-SC752D	Solid	12/12/22 11:01	12/12/22 16:42
22L0307-47	LDW22-SC752E	Solid	12/12/22 11:01	12/12/22 16:42
22L0307-48	LDW22-SC752F	Solid	12/12/22 11:01	12/12/22 16:42
22L0307-49	LDW22-SC752G	Solid	12/12/22 11:01	12/12/22 16:42
22L0307-50	LDW22-SC752H	Solid	12/12/22 11:01	12/12/22 16:42
22L0307-51	LDW22-SC752B-FD	Solid	12/12/22 11:01	12/12/22 16:42
22L0307-52	LDW22-SC800A	Solid	12/12/22 12:14	12/12/22 16:42
22L0307-53	LDW22-SC800B	Solid	12/12/22 12:14	12/12/22 16:42
22L0307-54	LDW22-SC800C	Solid	12/12/22 12:14	12/12/22 16:42
22L0307-55	LDW22-SC800D	Solid	12/12/22 12:14	12/12/22 16:42
22L0307-56	LDW22-SC800E	Solid	12/12/22 12:14	12/12/22 16:42
22L0307-57	LDW22-SC800F	Solid	12/12/22 12:14	12/12/22 16:42
22L0307-58	LDW22-SC800G	Solid	12/12/22 12:14	12/12/22 16:42
22L0307-59	LDW22-SC800H	Solid	12/12/22 12:14	12/12/22 16:42
22L0307-60	LDW22-SC783B	Solid	12/12/22 12:59	12/12/22 16:42
22L0307-61	LDW22-SC783C	Solid	12/12/22 12:59	12/12/22 16:42
22L0307-62	LDW22-SC783D	Solid	12/12/22 12:59	12/12/22 16:42
22L0307-63	LDW22-SC783E	Solid	12/12/22 12:59	12/12/22 16:42
22L0307-64	LDW22-SC783F	Solid	12/12/22 12:59	12/12/22 16:42
22L0307-65	LDW22-SC783G	Solid	12/12/22 12:59	12/12/22 16:42
22L0307-66	LDW22-SC783H	Solid	12/12/22 12:59	12/12/22 16:42

Anchor QEA, LLC	Project: AOC4 UR Phase 3	
1201 3rd Ave, Suite 2600	Project Number: 180067-02.04	**Reported:**
Seattle WA, 98101	Project Manager: Ali Judkins	02-Mar-2023 11:53

Case Narrative

Client: Anchor QEA, LLC
Project: AOC4 UR Phase 3
Work Order: 22L0307

Sample receipt

Samples as listed on the preceding page were received 12-Dec-2022 16:42 under ARI work order 22L0307. For details regarding sample receipt, please refer to the Cooler Receipt Form. Samples were stored frozen to preserved holding time.

This data set does not include dioxin/furans. Revised to include missing Aroclor data

Semivolatiles - EPA Method SW8270E (Butyl benzyl phthalate)

The sample(s) were extracted and analyzed within the recommended holding times.

Initial and continuing calibrations were within method requirements, with allowed excursions outside the 20% window. Associated positive results have been "Q"-flagged.

Internal standard areas were within limits.

The surrogate percent recoveries were within control limits.

The method blank(s) were clean at the reporting limits.

The blank spike (BS/LCS) percent recovery was within limits. The blank spike duplicate (SD/LCSD) spike recovery (135%) was just high of limits (45-132%) and flagged on the summary sheet. The relative percent difference (RPD) were within control limits.

The matrix spike/matrix spike duplicate (MS/MSD) percent recoveries and relative percent difference (RPD) were within advisory control limits.

The reference material (SRM) percent recovery (168%) was high of control limits (36-164%).

PCB Aroclors - EPA Method SW8082A

The sample(s) were extracted and analyzed within the recommended holding times. Several sample extracts were initially run at dilution due to the color and characteristics of the extract.

Initial and continuing calibrations were within method requirements.

Internal standard areas were within limits.

The surrogate percent recoveries were within control limits.

The method blank(s) were clean at the reporting limits.

The blank spike and blank spike duplicate (BS/LCS and BSD/LCSD) spike recoveries and relative percent difference (RPD) were within control limits.

The batch BKL0584 matrix spike duplicate (MSD) percent recovery (57.5%) was low of advisory control limits (58-120%) and flagged on the summary sheet. The relative percent difference (RPD) were within advisory control limits. All other batch matrix QC was within limits.

The reference material (SRM) percent recoveries were within control limits.

Several results have been "P1" flagged, indicating a greater than 40% difference between the results on the two analytical columns.

Wet Chemistry (Total Organic Carbon)

The sample(s) were prepared and analyzed within the recommended holding times.

Initial and continuing calibrations were within method requirements.

The method blank(s) were clean at the reporting limits.

The blank spike (BS/LCS) percent recoveries were within control limits.

The reference material (SRM) percent recoveries were within control limits.

The matrix spike (MS) percent recoveries were within advisory control limits. The batch BKL0586 duplicate (DUP) relative percent difference (RPD) was high of advisory control limits at 21.2% (limit 20%). Matrix QC for batch BKL0504 is reported under work order 22L0246.

QUALIFIERS AND NOTES

Qualifier	Definition
X	Indicates possible CDPE interference.
U	This analyte is not detected above the reporting limit (RL) or if noted, not detected above the limit of detection (LOD).
Q	Indicates a detected analyte with an initial or continuing calibration that does not meet established acceptance criteria (<20% RSD, <20% drift or minimum RRF)
P1	The reported value is greater than 40% difference between the concentrations determined on two GC columns where applicable.
J	Estimated concentration value detected below the reporting limit.
H	Hold time violation - Hold time was exceeded.
EMPC	Estimated Maximum Possible Concentration qualifier for HRGCMS Dioxin
E	The analyte concentration exceeds the upper limit of the calibration range of the instrument established by the initial calibration (ICAL)
D1	Surrogate was not detected due to sample extract dilution
D	The reported value is from a dilution
B	This analyte was detected in the method blank.
*	Flagged value is not within established control limits.
DET	Analyte DETECTED
ND	Analyte NOT DETECTED at or above the reporting limit
NR	Not Reported
dry	Sample results reported on a dry weight basis
RPD	Relative Percent Difference

LDW22-SC804B

Form I

ORGANIC ANALYSIS DATA SHEET

EPA 8270E

Semivolatiles (20ug/kg - 0.2ug/L SepF)

Laboratory:	Analytical Resources, LLC				
Client:	Anchor QEA, LLC				
Project:	AOC4 UR Phase 3				
Matrix:	Sediment	Laboratory ID:	22L0307-35 B	SDG:	22L0307
Sampled:	12/12/22 11:18	Prepared:	12/27/22 11:08	File ID:	NT1423010625.D
% Solids:	71.22	Preparation:	EPA 3546 (Microwave)	Analyzed:	01/07/23 02:03
Batch:	BKL0585	Sequence:	SLA0068	Initial/Final:	14.09 g Wet / 1 mL
Instrument:	NT14	Column:	ZB-5MS	Calibration:	FL00066

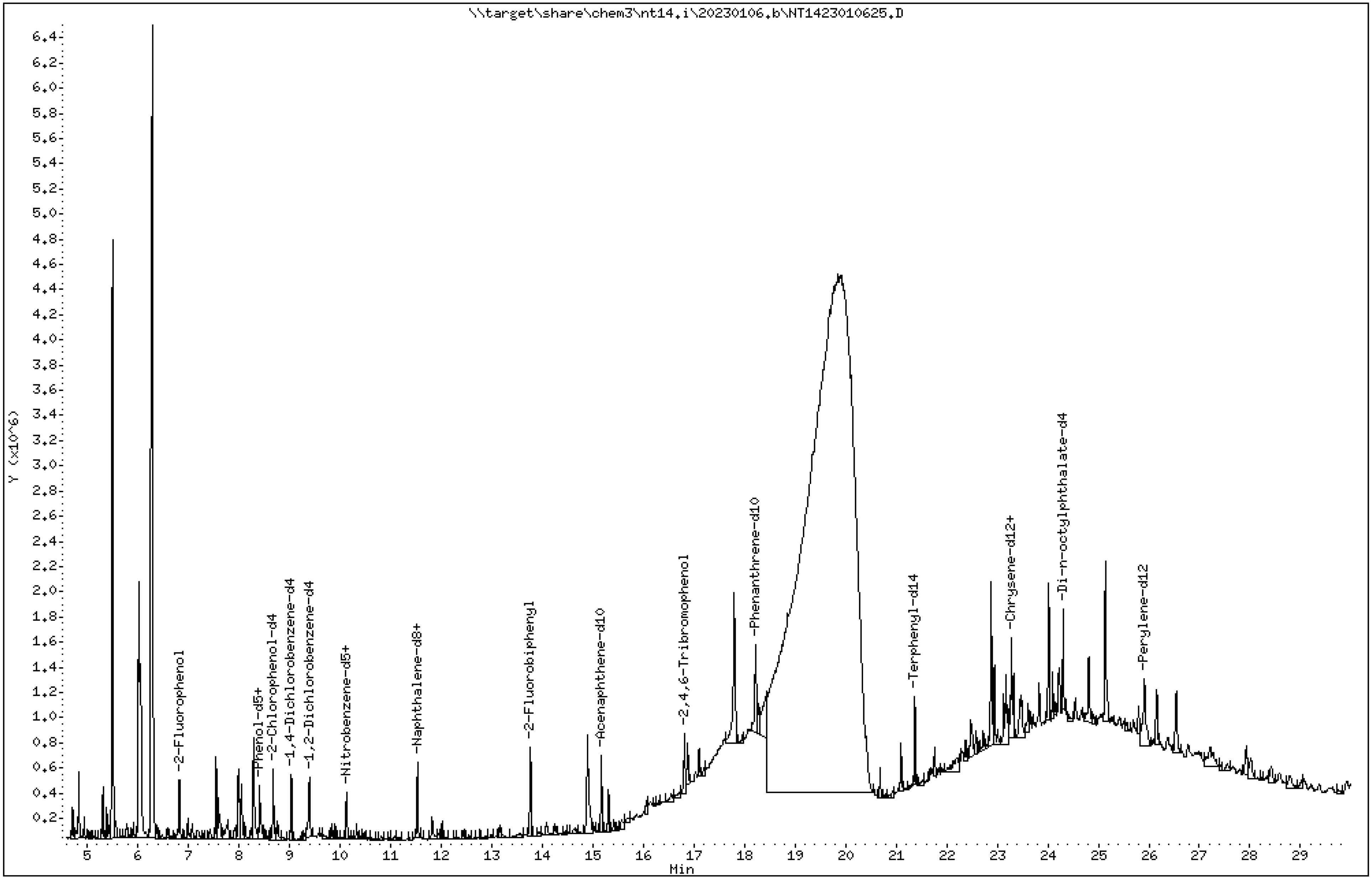
CAS NO.	COMPOUND	DILUTION	CONC: (ug/kg dry)	Q	DL	RL
85-68-7	Butylbenzylphthalate	1	83.7	Q	9.4	19.9

SURROGATES	ADDED: (ug/kg dry)	FOUND: (ug/kg dry)	% REC	QC LIMITS	Q
p-Terphenyl-d14	498.26	518	104	37 - 120	

Data File: \\target\share\chem3\nt14.i\20230106.b\NT1423010625.D

Date : 07-JAN-2023 02:03
Client ID:
Sample Info: 22L0307-35
Column phase: ZB-5msi

Instrument: nt14.i
Operator: VTS
Column diameter: 0.25



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Date : 07-JAN-2023 02:03

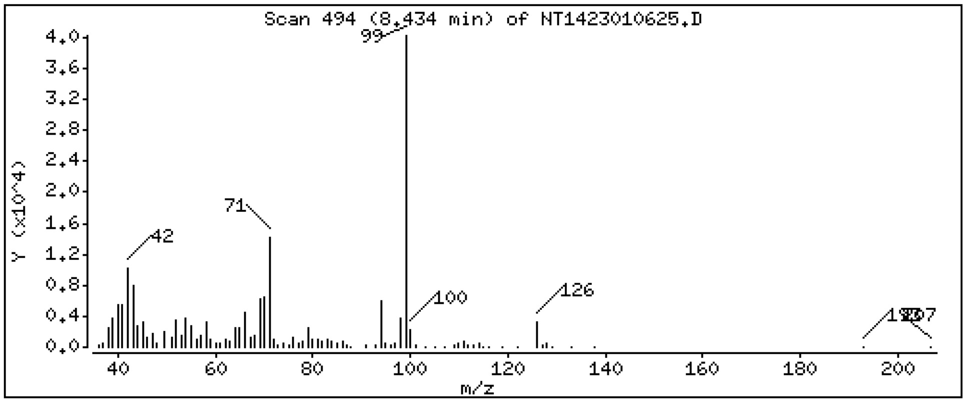
Client ID: Instrument: nt14.i

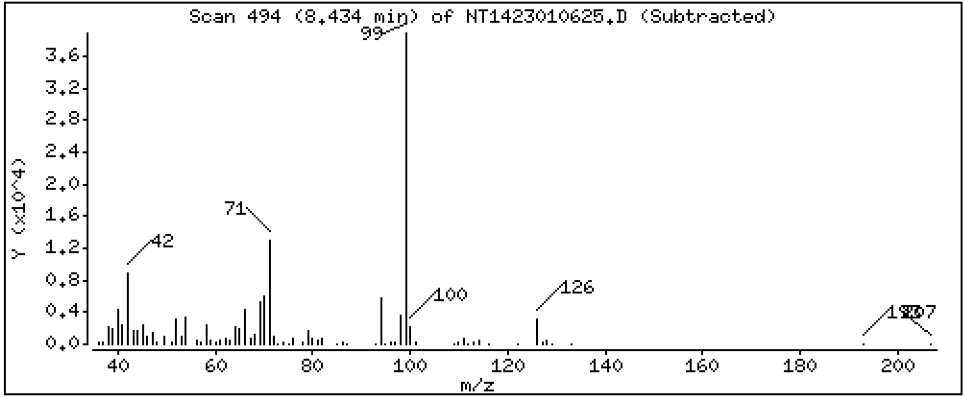
Sample Info: 22L0307-35

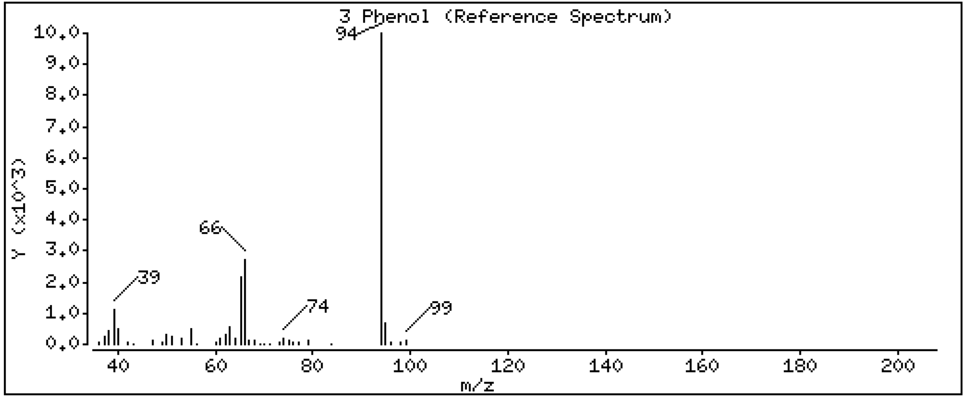
Operator: VTS

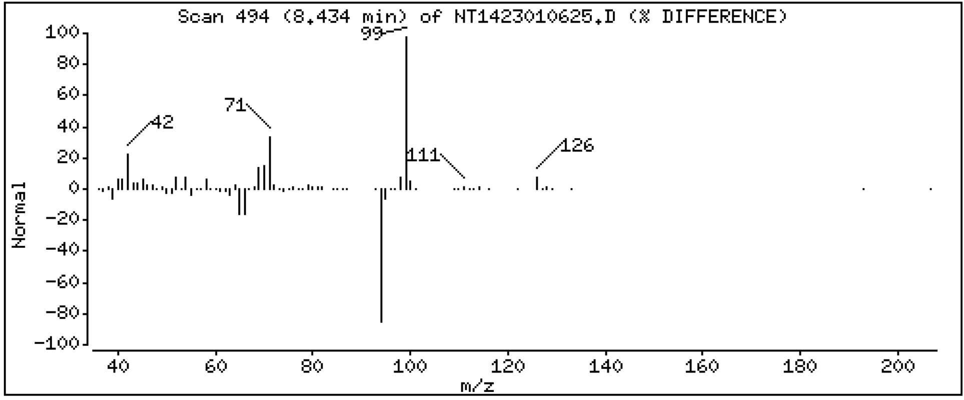
Column phase: ZB-5msi Column diameter: 0.25

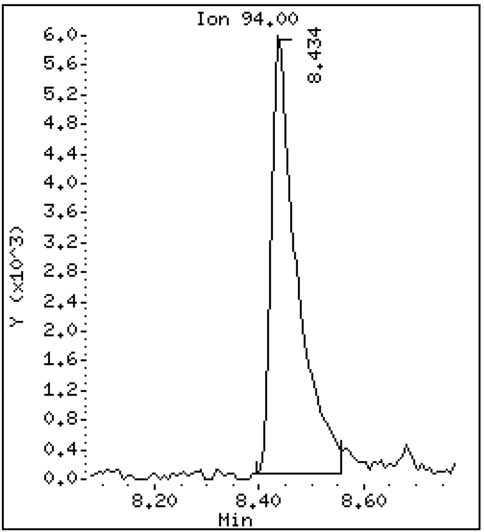
3 Phenol Concentration: 0.3624 ug/mL

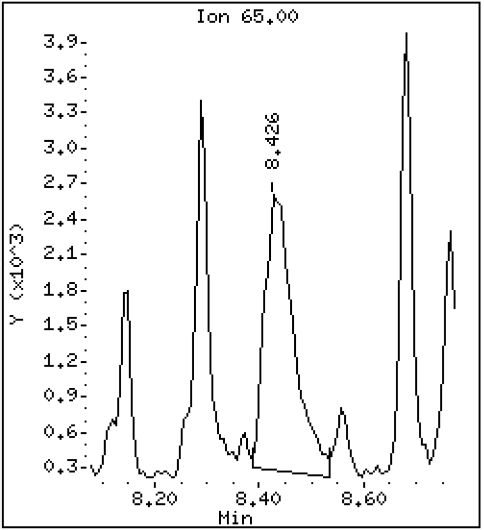


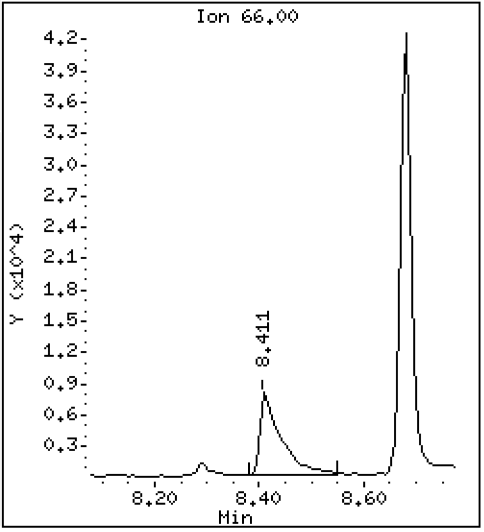












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Date : 07-JAN-2023 02:03

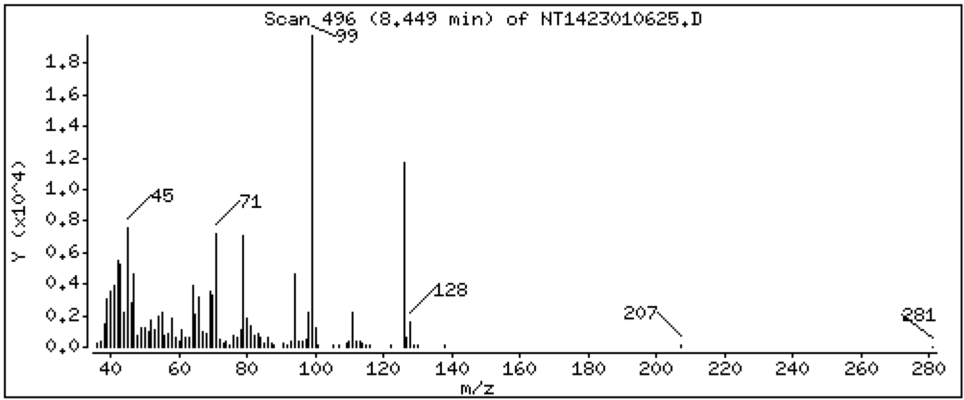
Client ID: Instrument: nt14.i

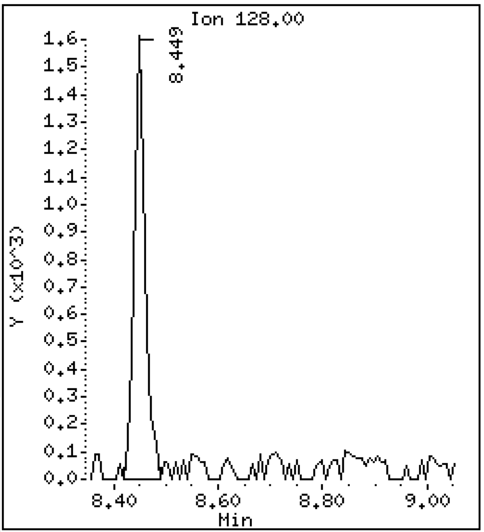
Sample Info: 22L0307-35

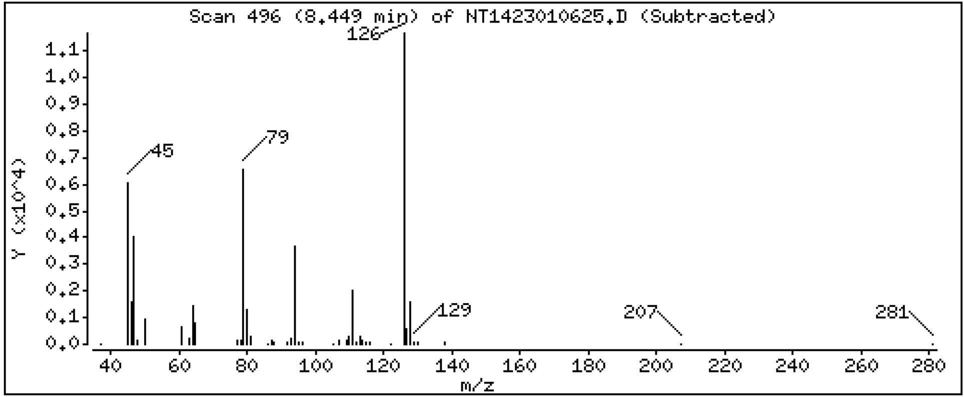
Operator: VTS

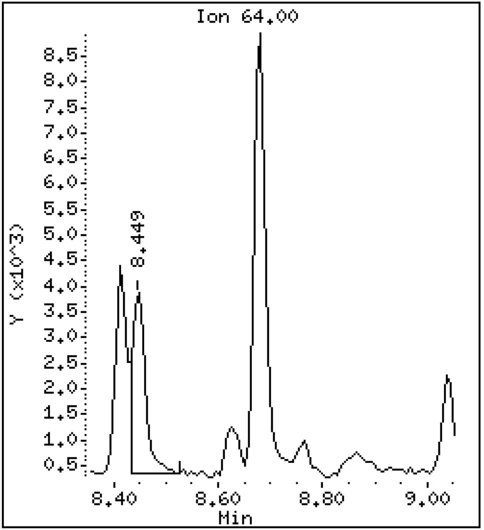
Column phase: ZB-5msi Column diameter: 0.25

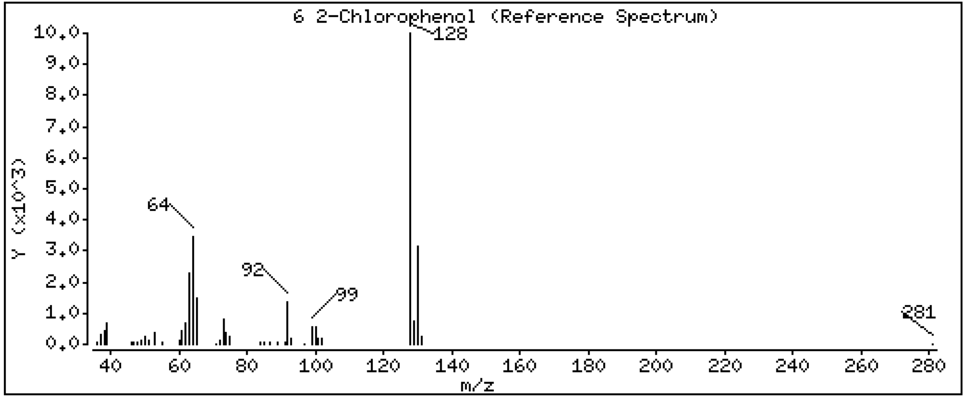
6 2-Chlorophenol Concentration: 0.05361 ug/mL

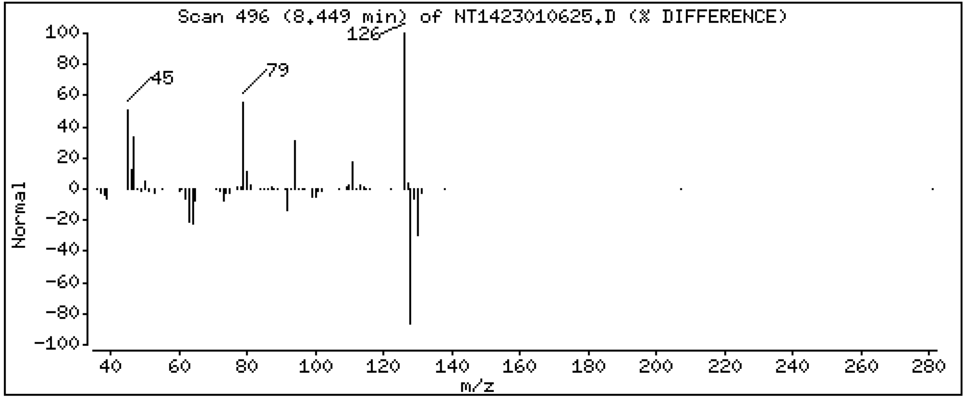


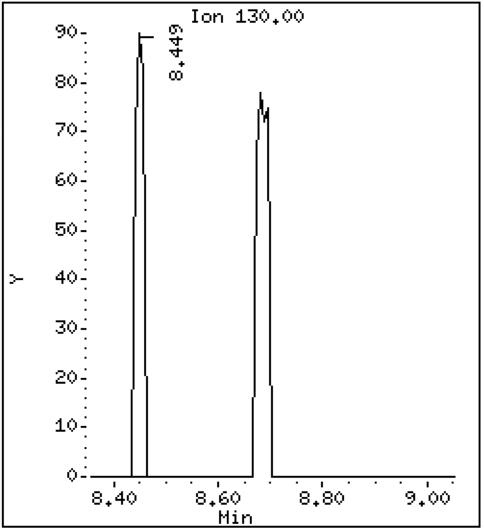












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Date : 07-JAN-2023 02:03

Client ID:

Instrument: nt14.i

Sample Info: 22L0307-35

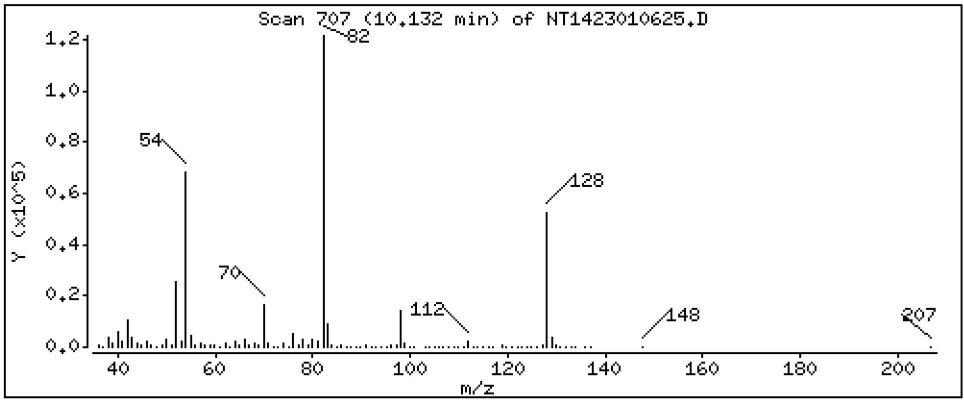
Operator: VTS

Column phase: ZB-5msi

Column diameter: 0.25

16 N-Nitroso-di-n-propylamine

Concentration: 0.9952 ug/mL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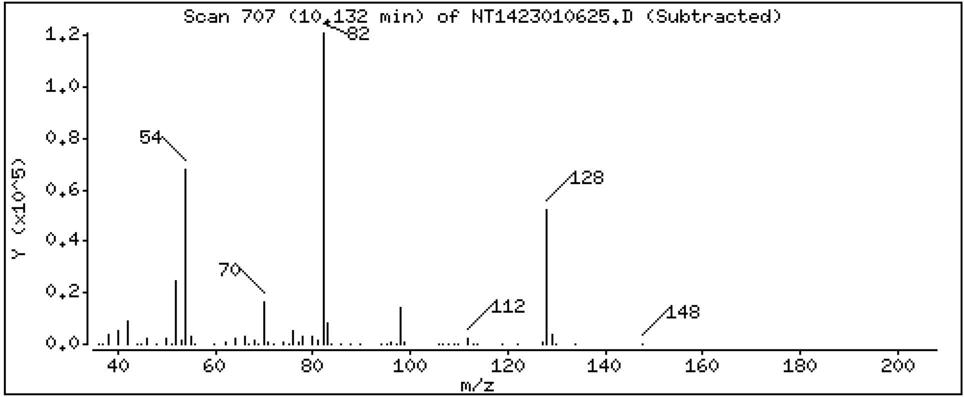
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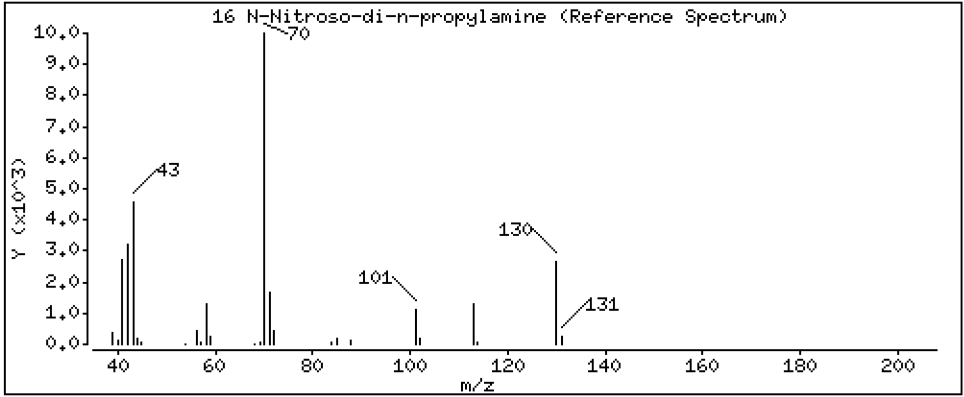
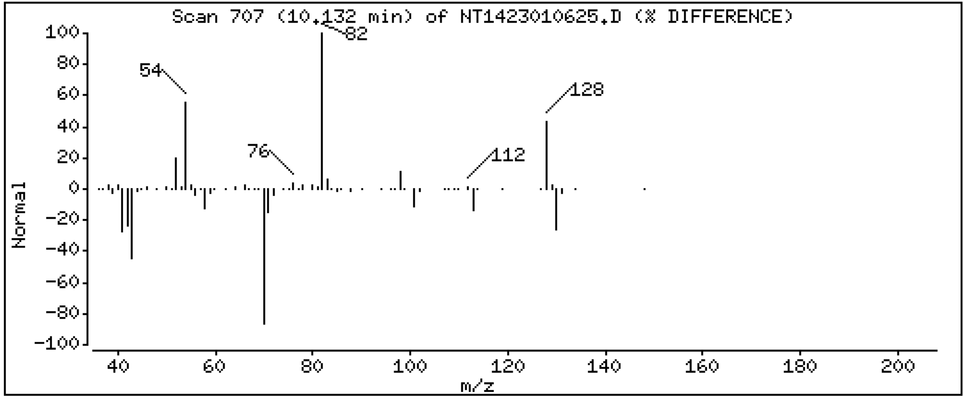

16 N-Nitroso-di-n-propylamine (Reference Spectrum)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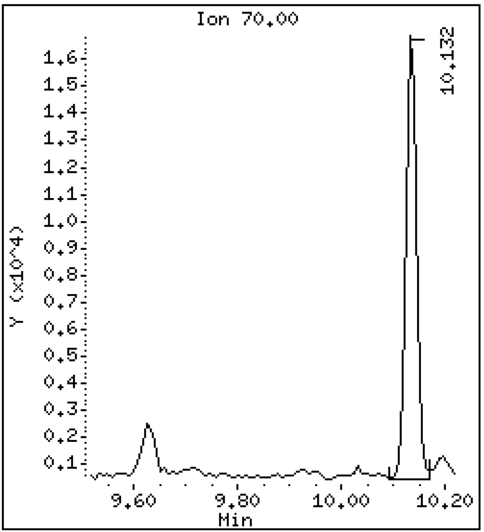
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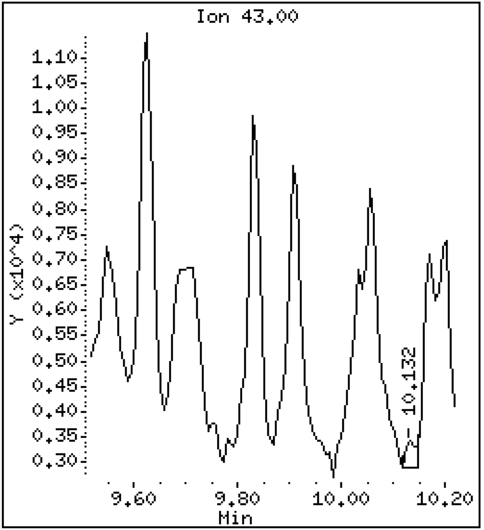
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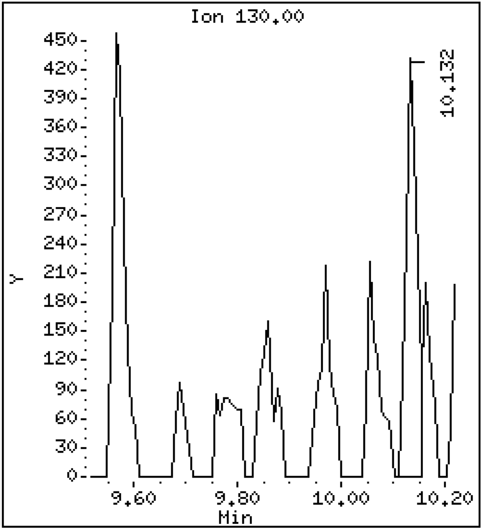
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Date : 07-JAN-2023 02:03

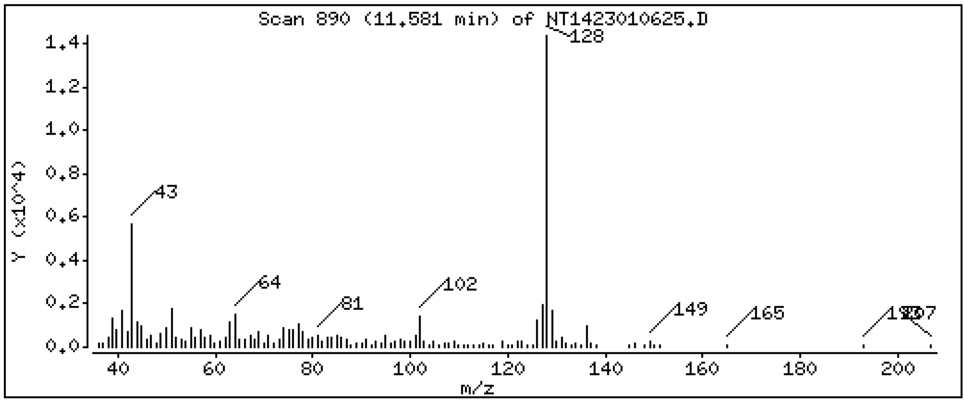
Client ID: Instrument: nt14.i

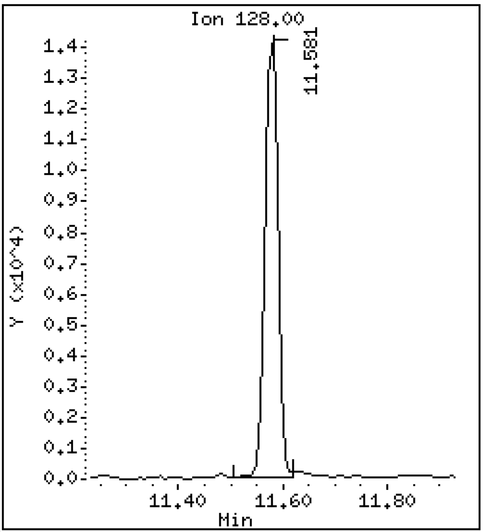
Sample Info: 22L0307-35

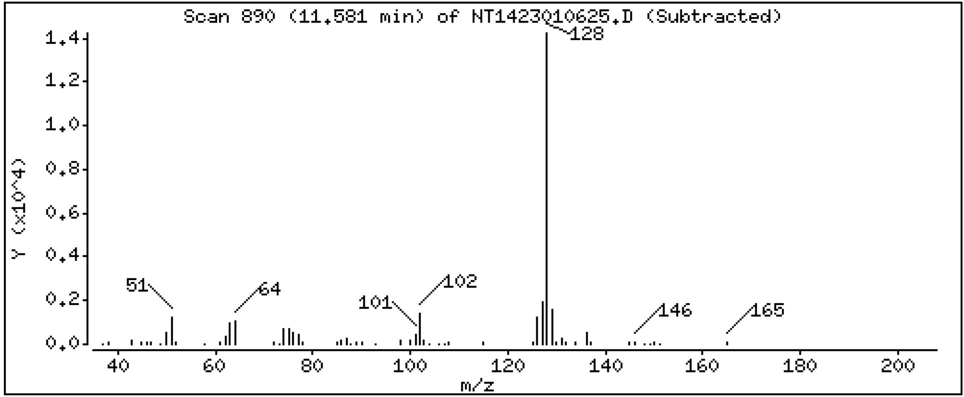
Operator: VTS

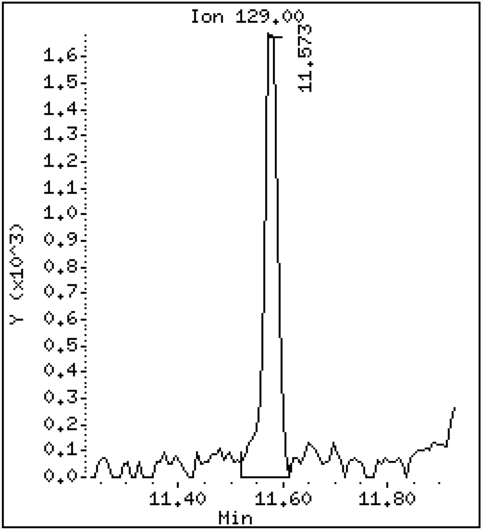
Column phase: ZB-5msi Column diameter: 0.25

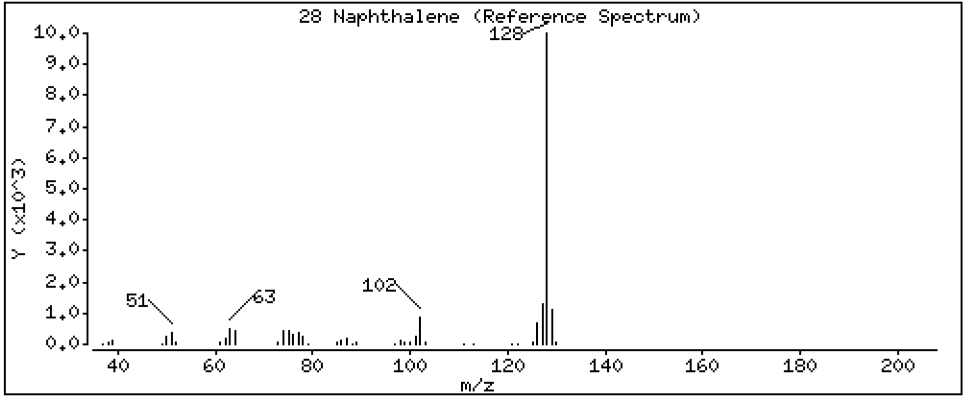
28 Naphthalene Concentration: 0.2034 ug/mL

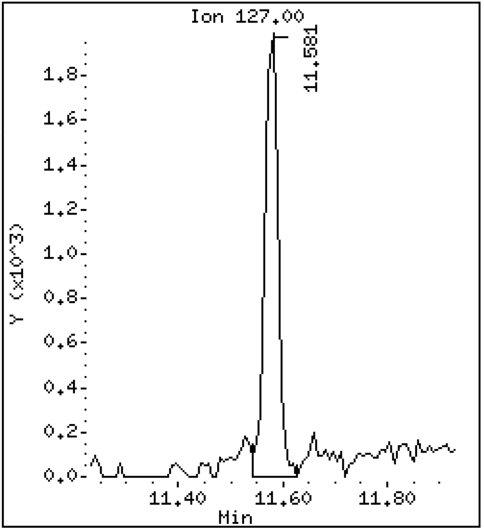


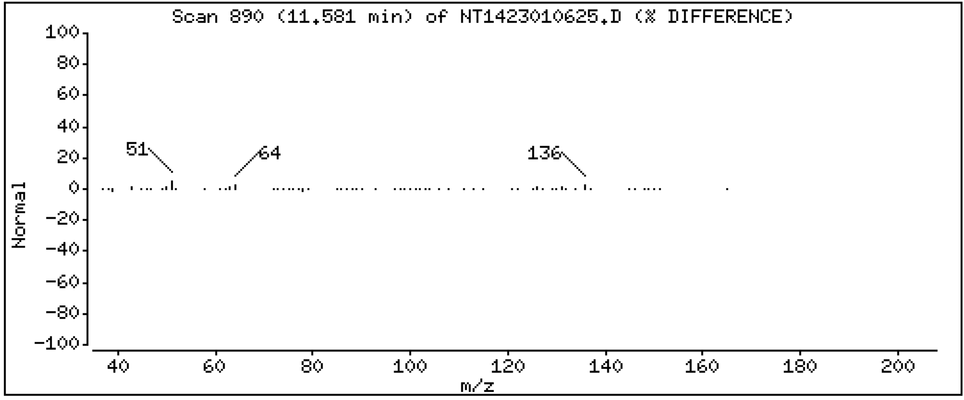












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Date : 07-JAN-2023 02:03

Client ID:

Instrument: nt14.i

Sample Info: 22L0307-35

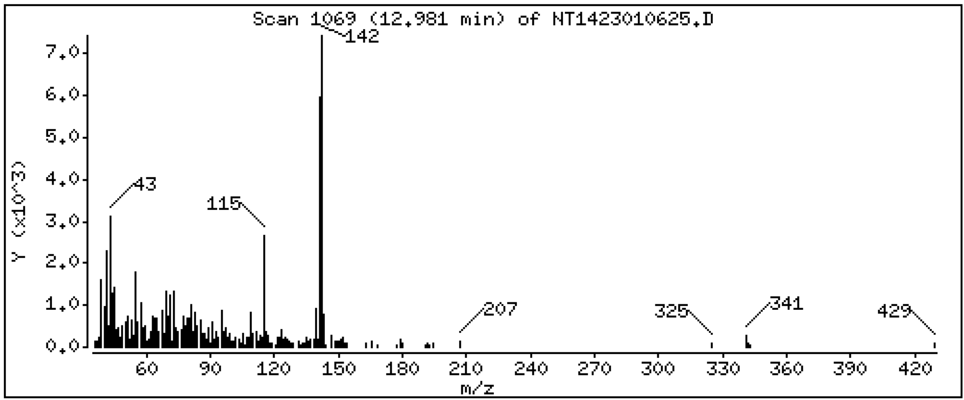
Operator: VTS

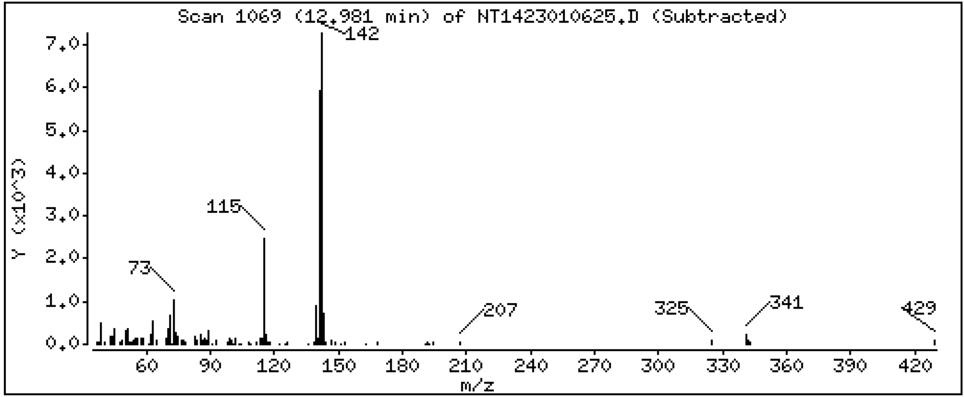
Column phase: ZB-5msi

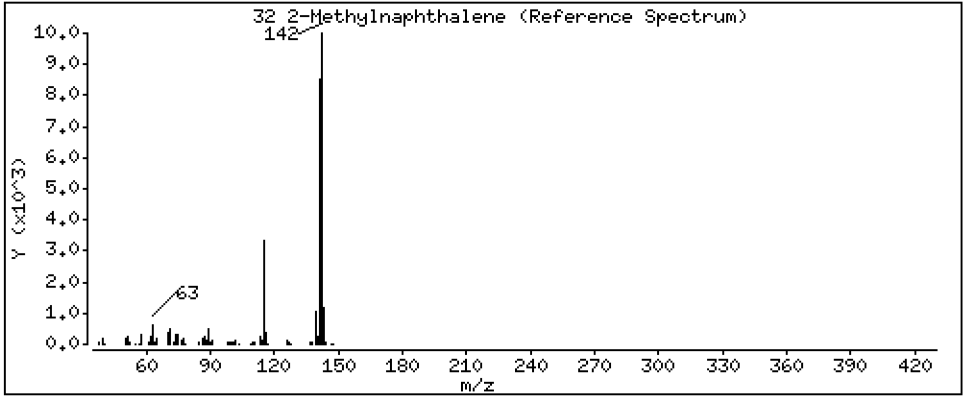
Column diameter: 0.25

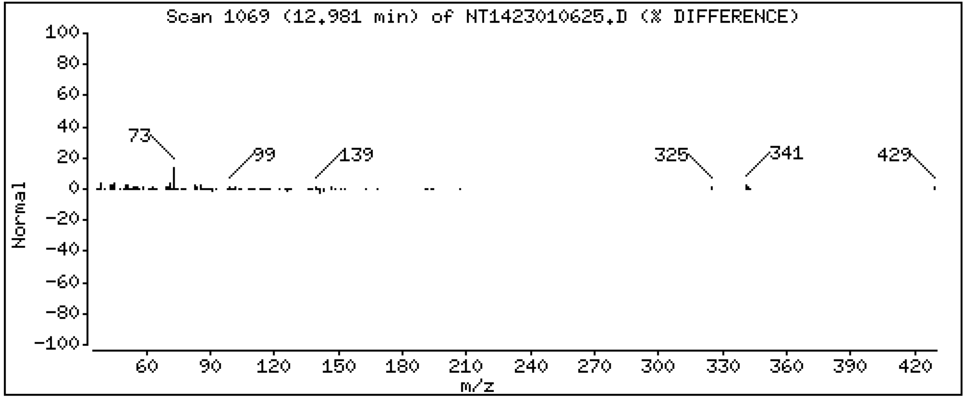
32 2-Methylnaphthalene

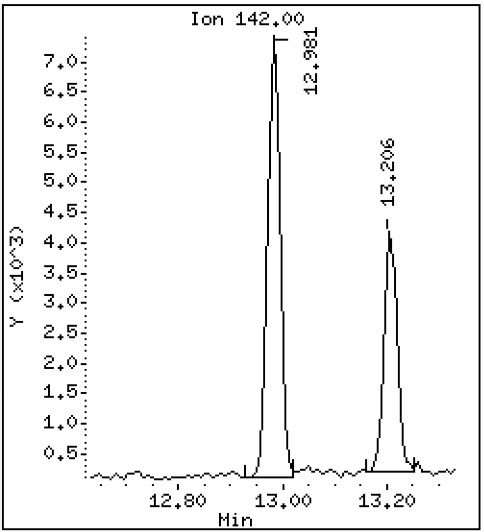
Concentration: 0.1384 ug/mL

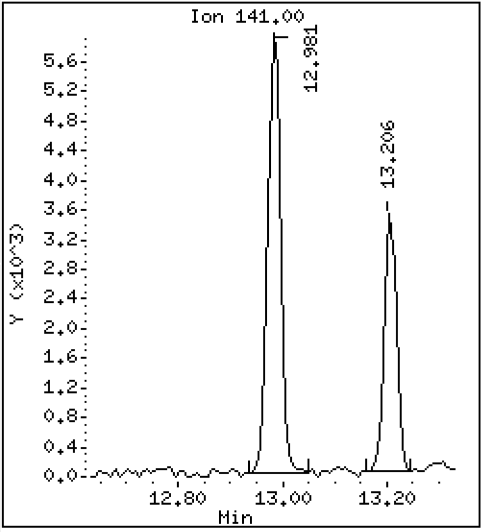












Data File: \\target\share\chem3\nt14.i\20230106.b\NT1423010625.D

Date : 07-JAN-2023 02:03

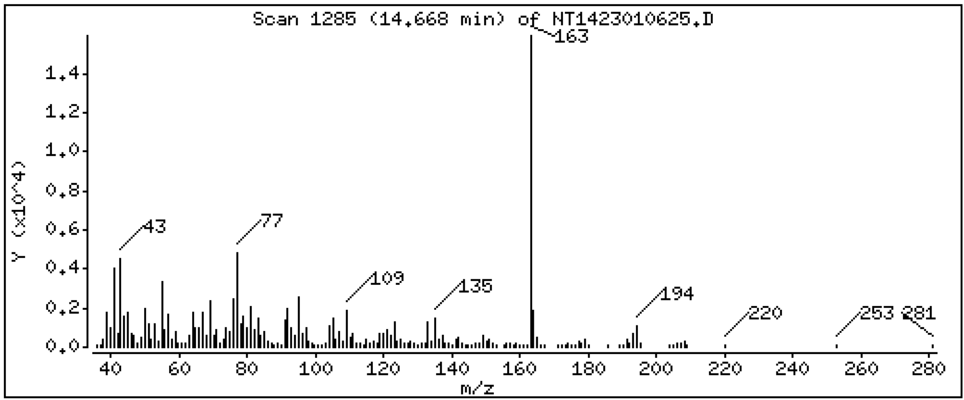
Client ID: Instrument: nt14.i

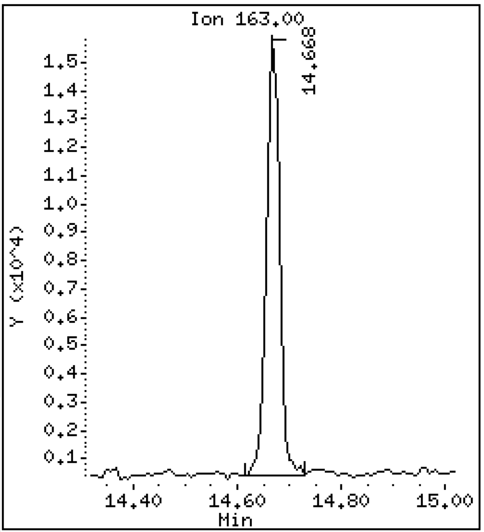
Sample Info: 22L0307-35

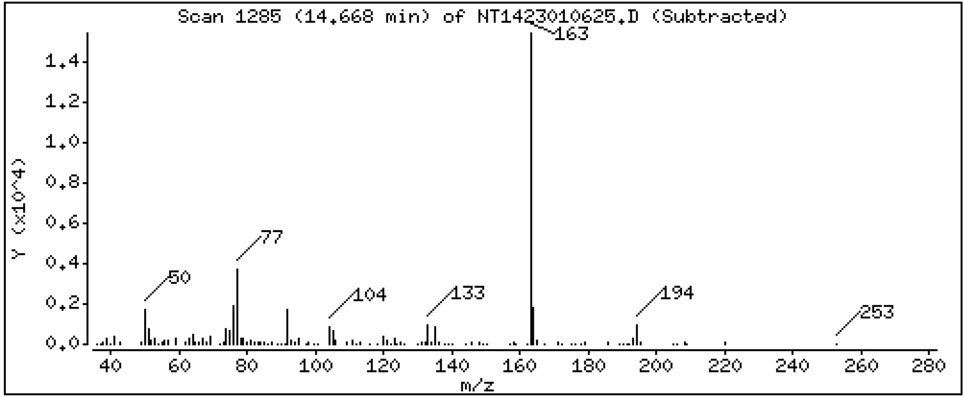
Operator: VTS

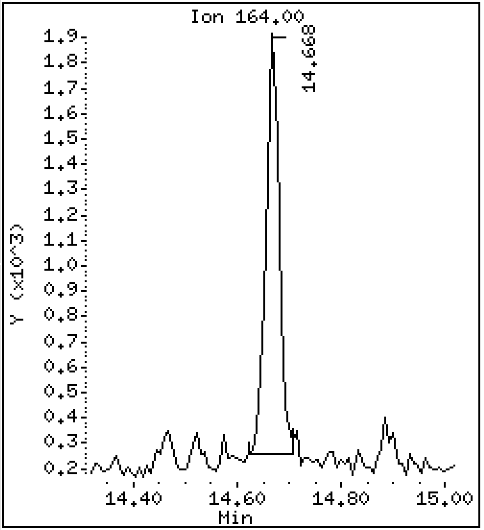
Column phase: ZB-5msi Column diameter: 0.25

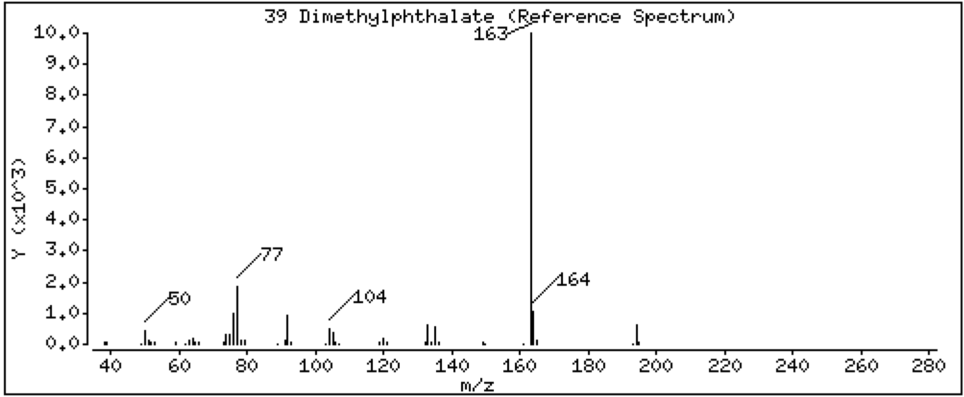
39 Dimethylphthalate Concentration: 0.3976 ug/mL

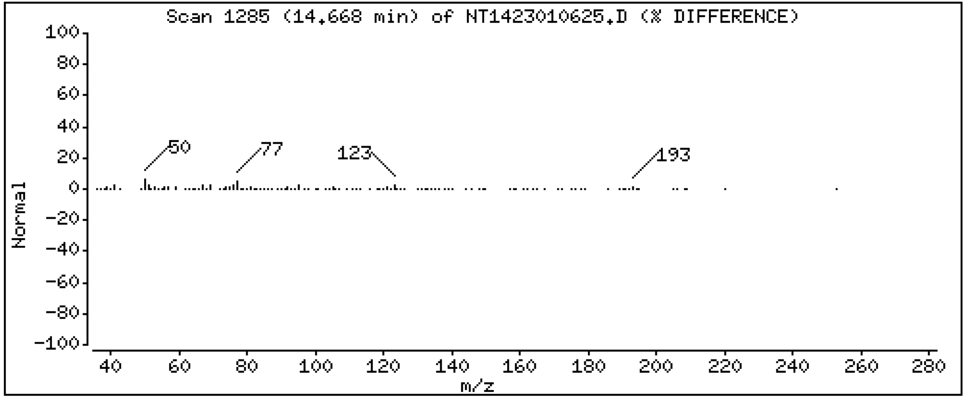


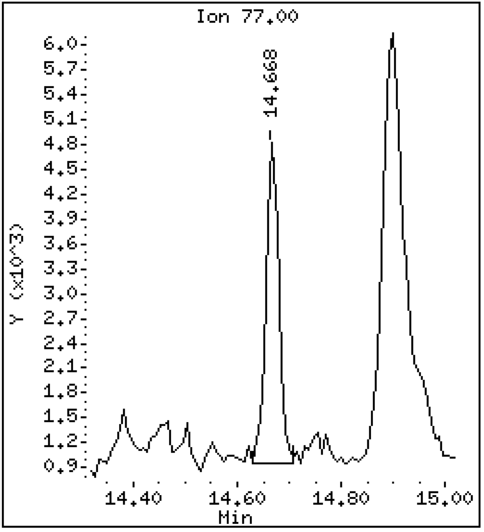












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Date : 07-JAN-2023 02:03

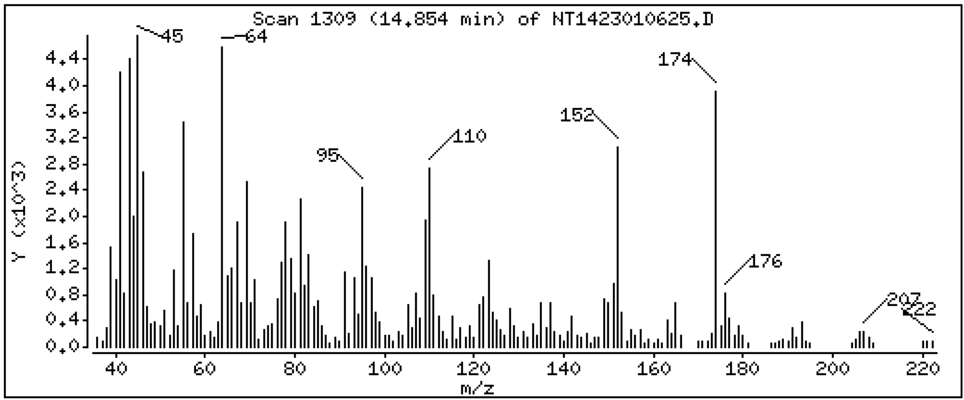
Client ID: Instrument: nt14.i

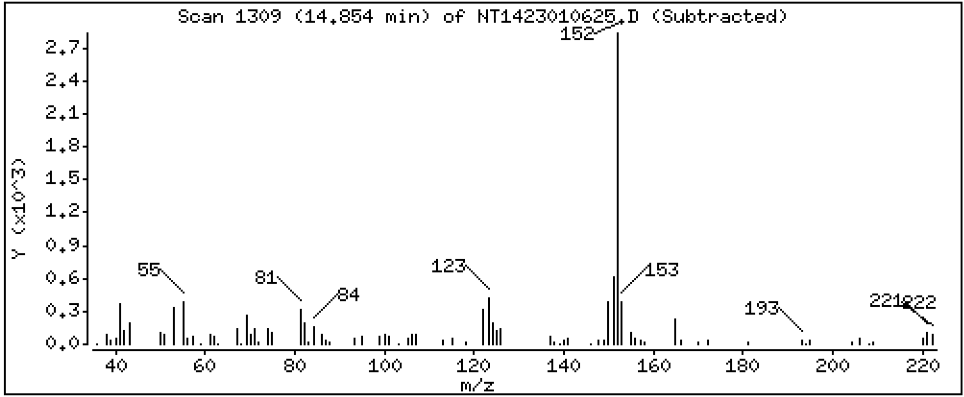
Sample Info: 22L0307-35

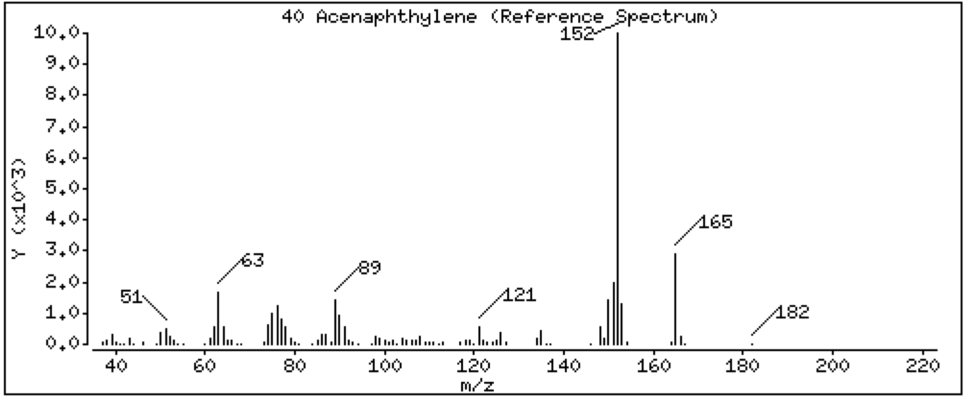
Operator: VTS

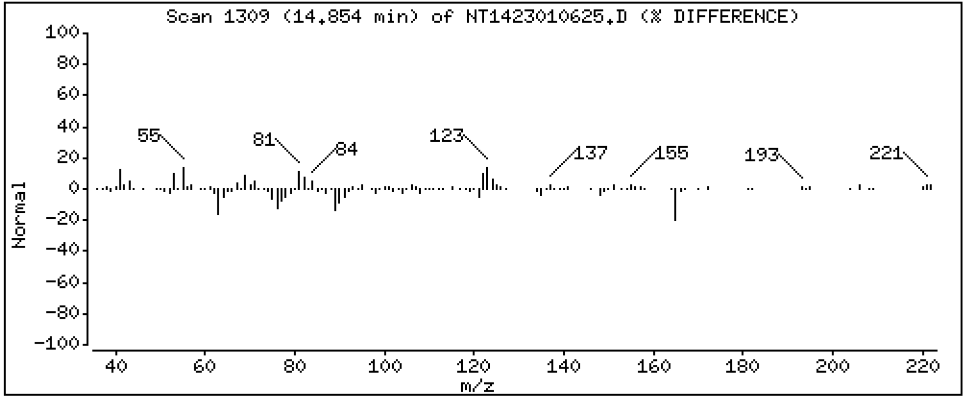
Column phase: ZB-5msi Column diameter: 0.25

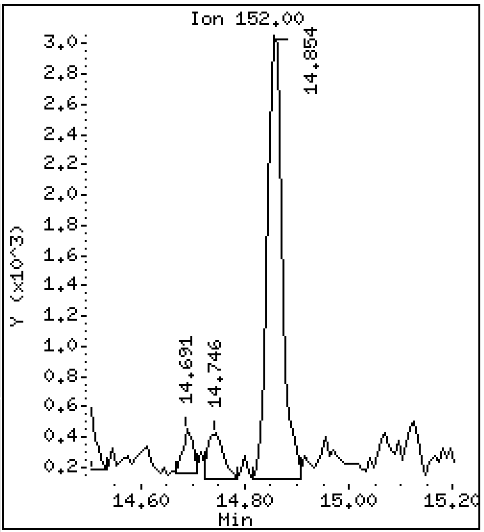
40 Acenaphthylene Concentration: 0.05641 ug/mL

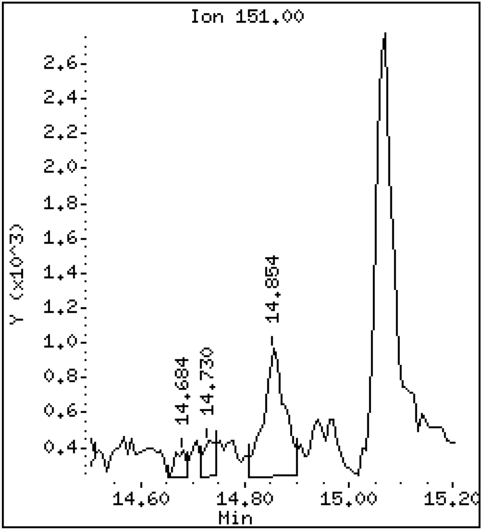


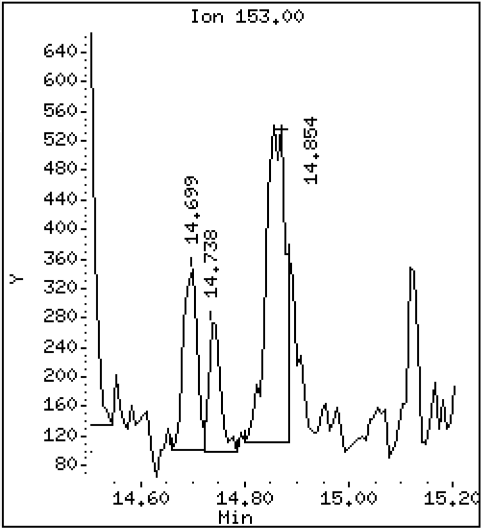












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Date : 07-JAN-2023 02:03

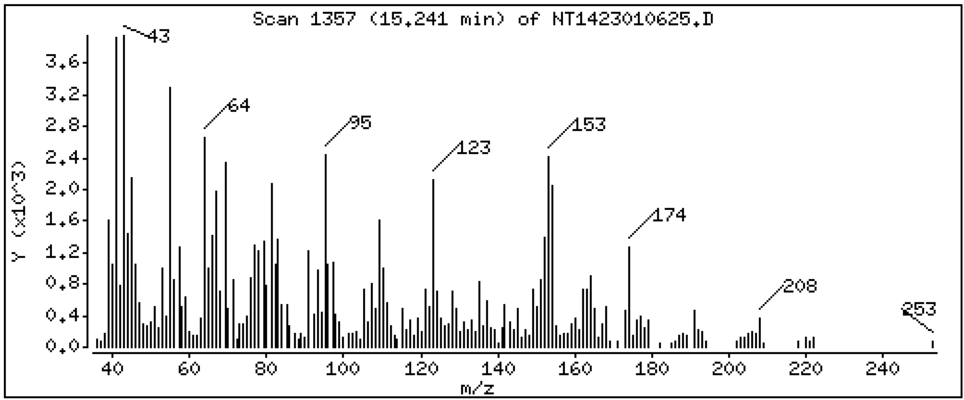
Client ID: Instrument: nt14.i

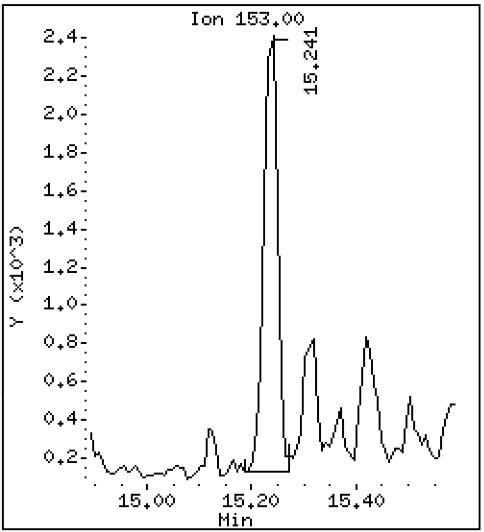
Sample Info: 22L0307-35

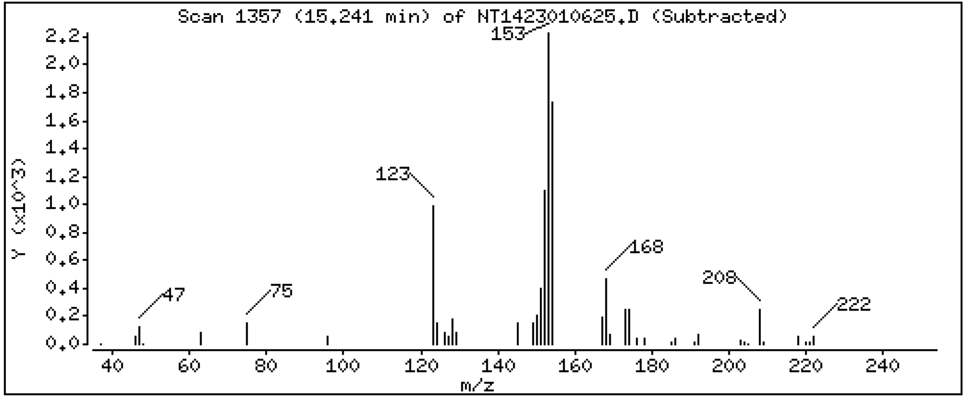
Operator: VTS

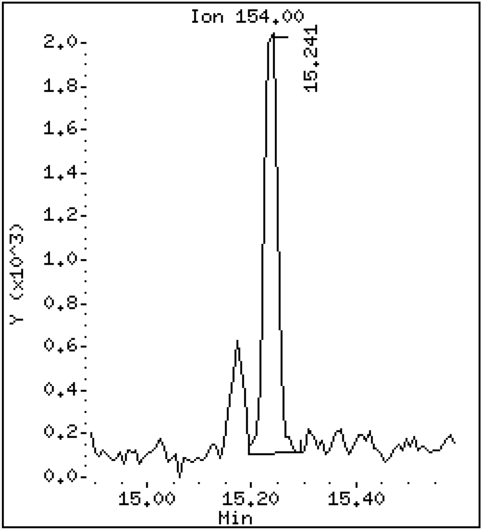
Column phase: ZB-5msi Column diameter: 0.25

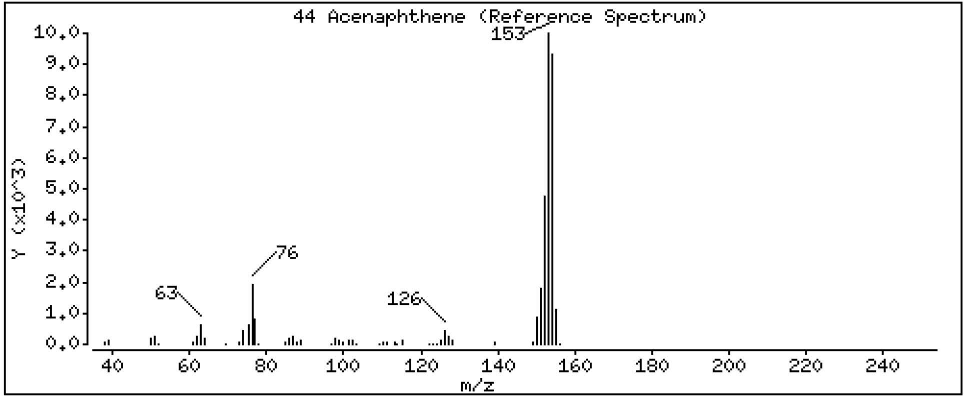
44 Acenaphthene Concentration: 0.06464 ug/mL

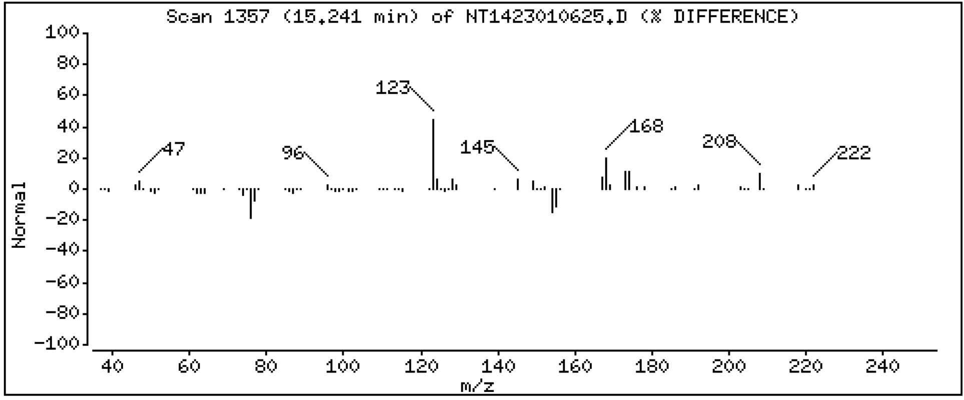


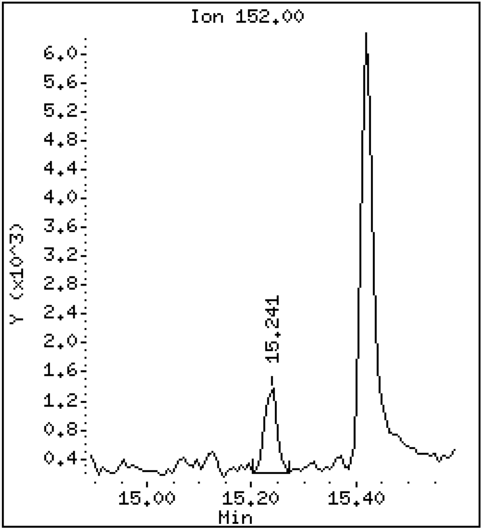












Data File: \\target\share\chem3\nt14.i\20230106.b\NT1423010625.D

Date : 07-JAN-2023 02:03

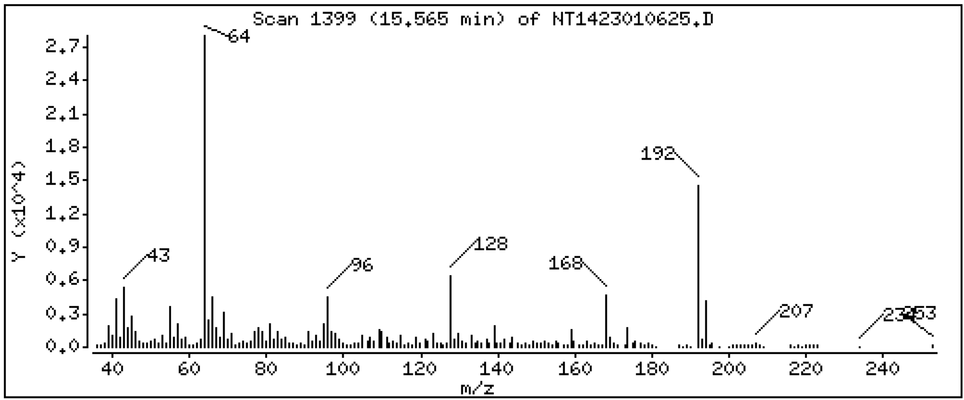
Client ID: Instrument: nt14.i

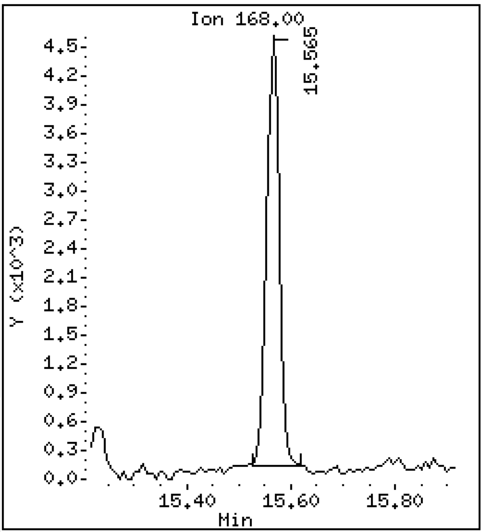
Sample Info: 22L0307-35

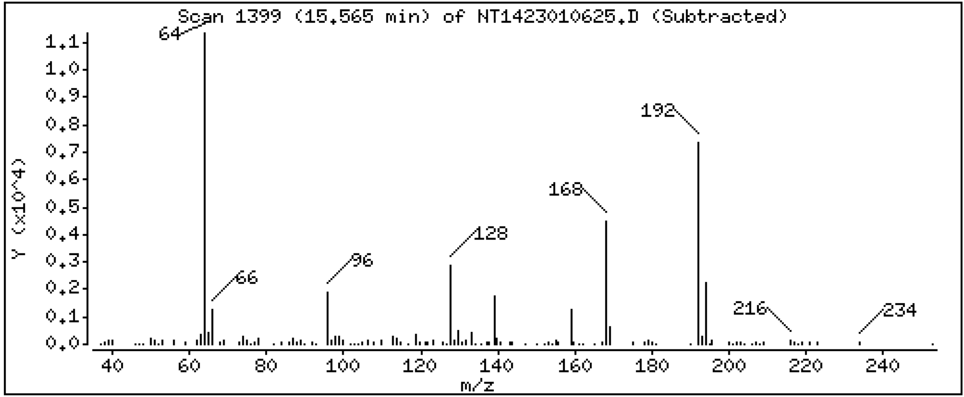
Operator: VTS

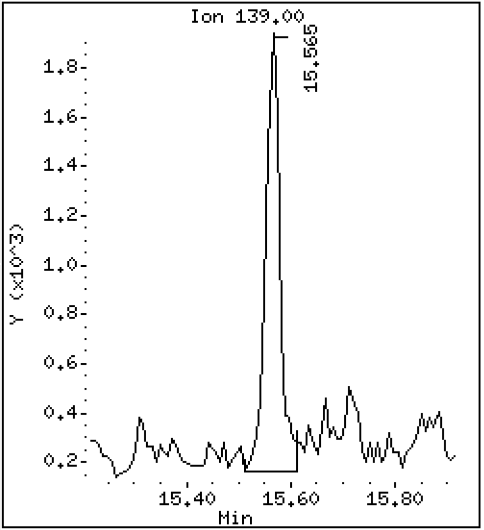
Column phase: ZB-5msi Column diameter: 0.25

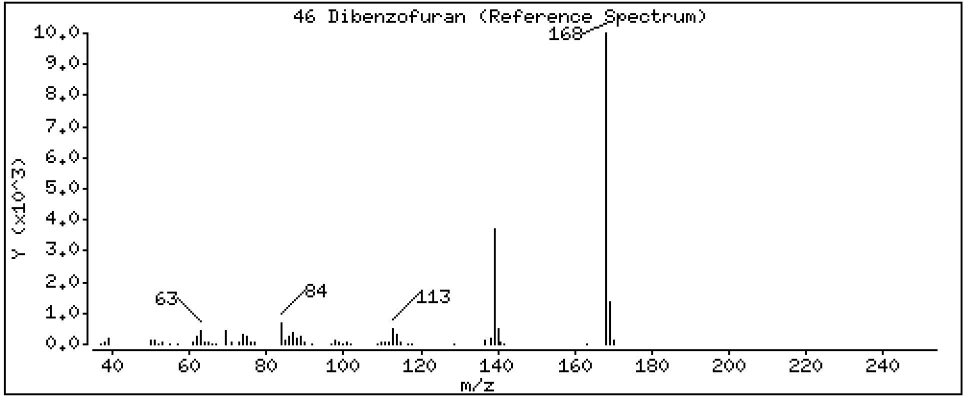
46 Dibenzofuran Concentration: 0.07664 ug/mL

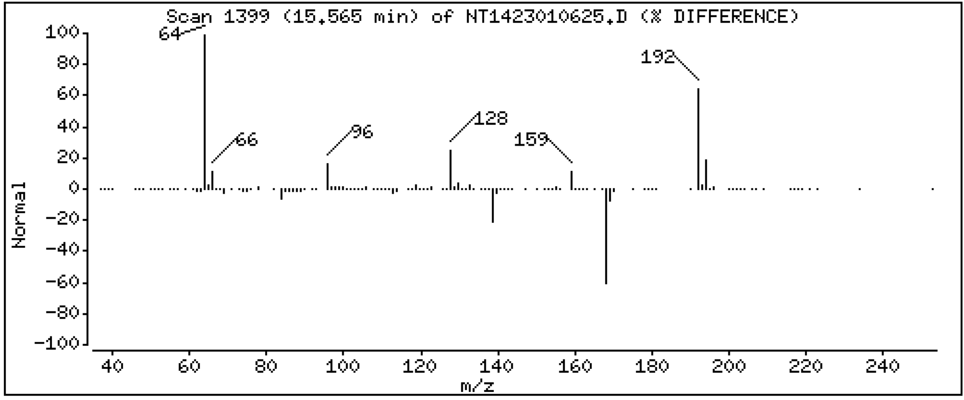


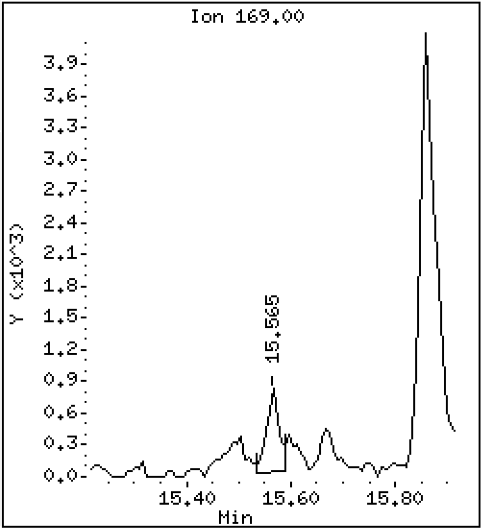












Data File: \\target\share\chem3\nt14.i\20230106.b\NT1423010625.D

Date : 07-JAN-2023 02:03

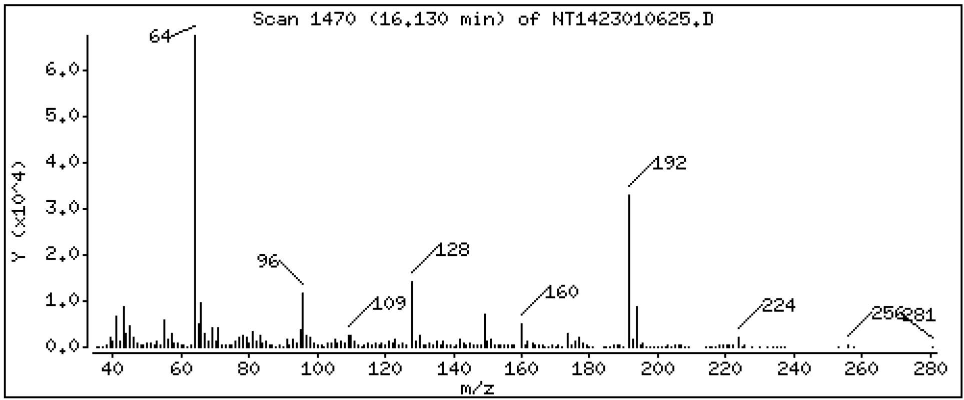
Client ID: Instrument: nt14.i

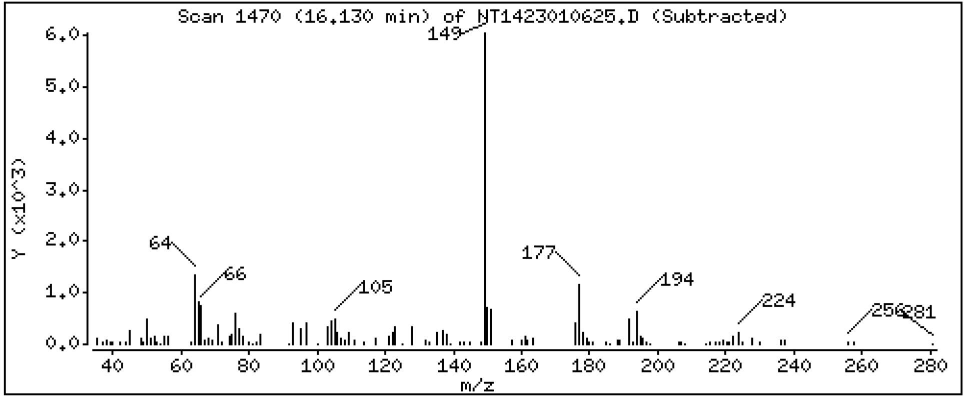
Sample Info: 22L0307-35

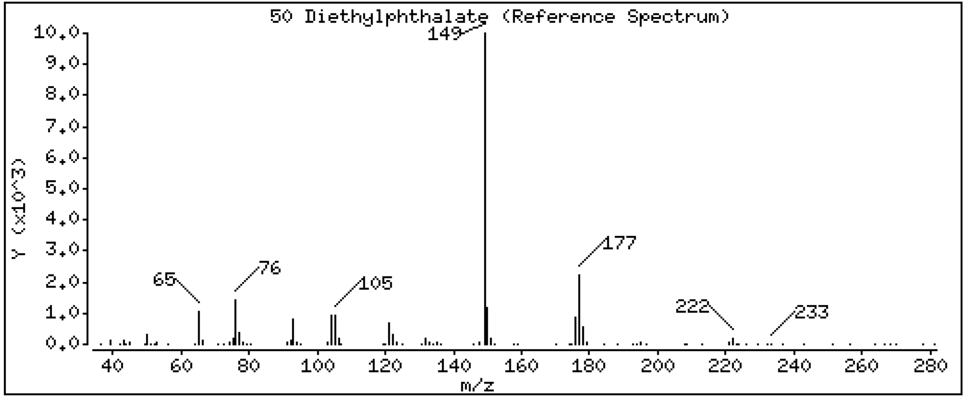
Operator: VTS

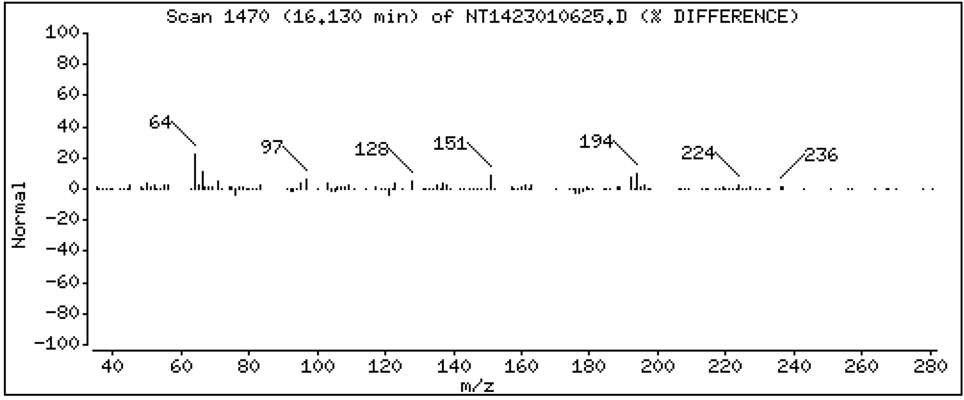
Column phase: ZB-5msi Column diameter: 0.25

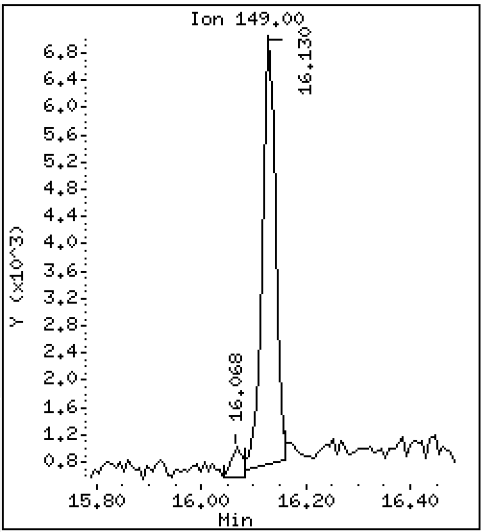
50 Diethylphthalate Concentration: 0.1176 ug/mL

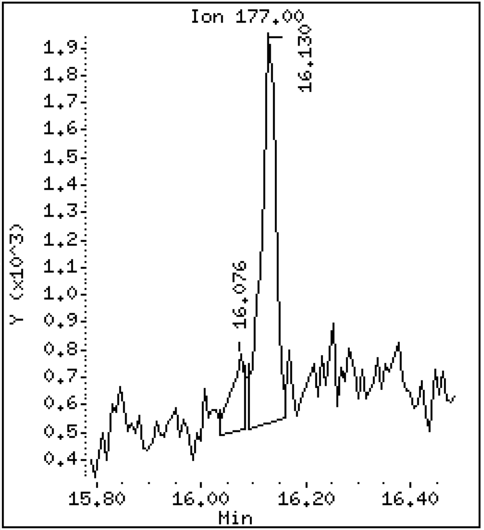

Scan 1470 (16.130 min) of NT1423010625.D

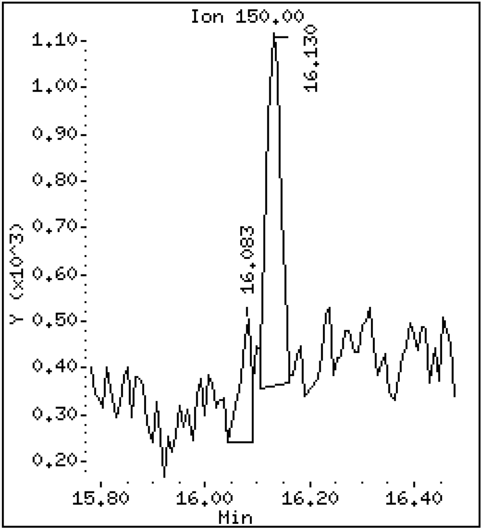

Scan 1470 (16.130 min) of NT1423010625.D (Subtracted)


50 Diethylphthalate (Reference Spectrum)


Scan 1470 (16.130 min) of NT1423010625.D (% DIFFERENCE)


Ion 149.00


Ion 177.00


Ion 150.00

Data File: \\target\share\chem3\nt14.i\20230106.b\NT1423010625.D

Date : 07-JAN-2023 02:03

Client ID:

Instrument: nt14.i

Sample Info: 22L0307-35

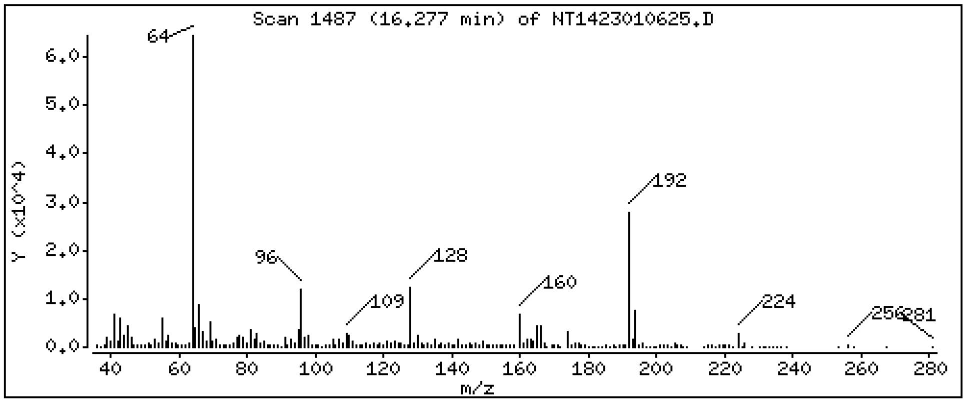
Operator: VTS

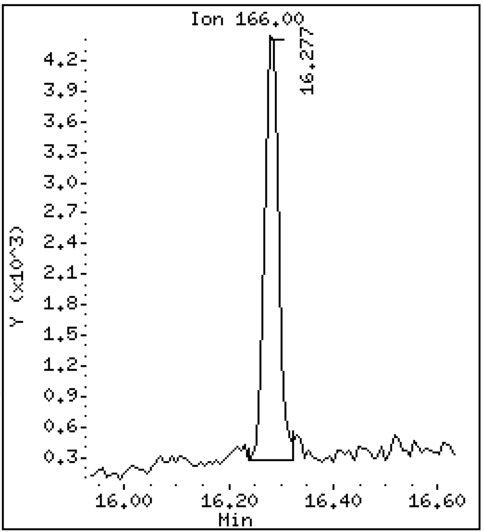
Column phase: ZB-5msi

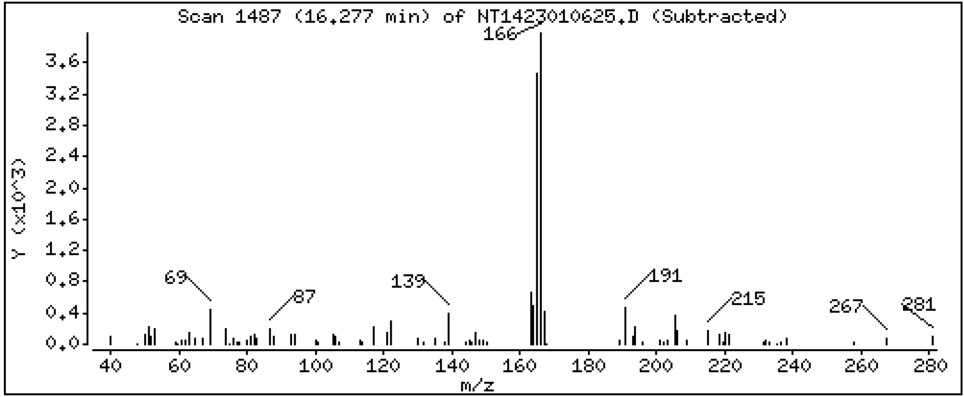
Column diameter: 0.25

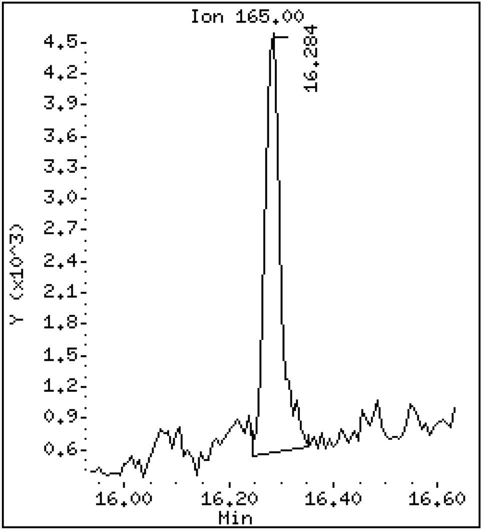
49 Fluorene

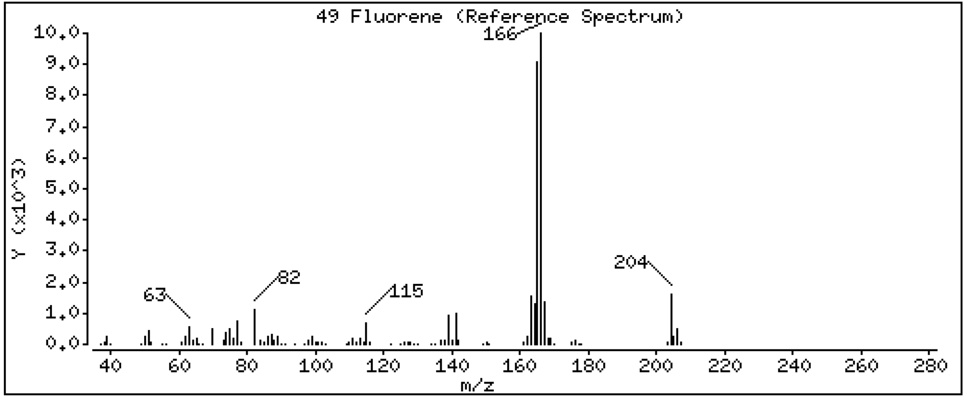
Concentration: 0.07654 ug/mL

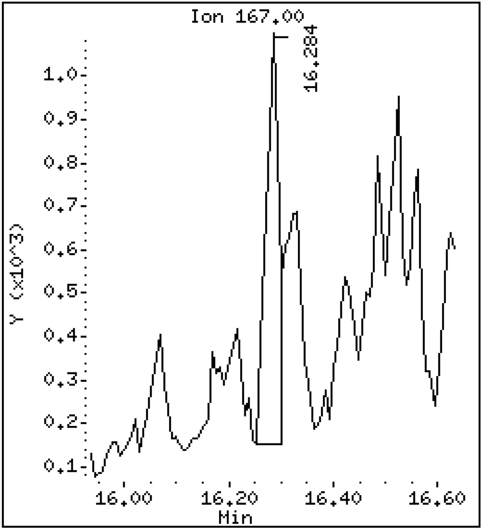

Scan 1487 (16.277 min) of NT1423010625.D

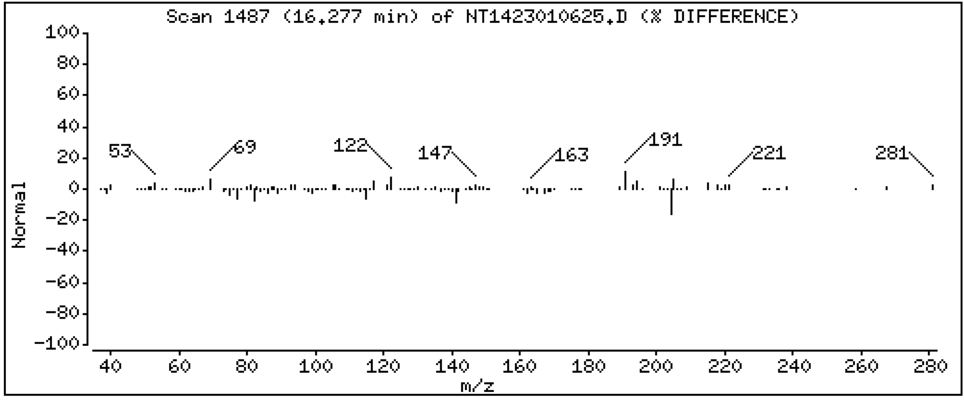

Ion 166.00


Scan 1487 (16.277 min) of NT1423010625.D (Subtracted)


Ion 165.00


49 Fluorene (Reference Spectrum)


Ion 167.00


Scan 1487 (16.277 min) of NT1423010625.D (% DIFFERENCE)

Data File: \\target\share\chem3\nt14.i\20230106.b\NT1423010625.D

Date : 07-JAN-2023 02:03

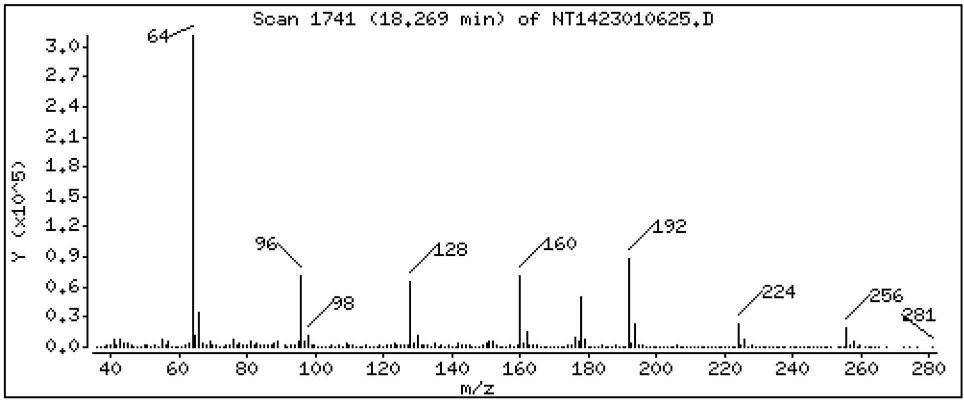
Client ID: Instrument: nt14.i

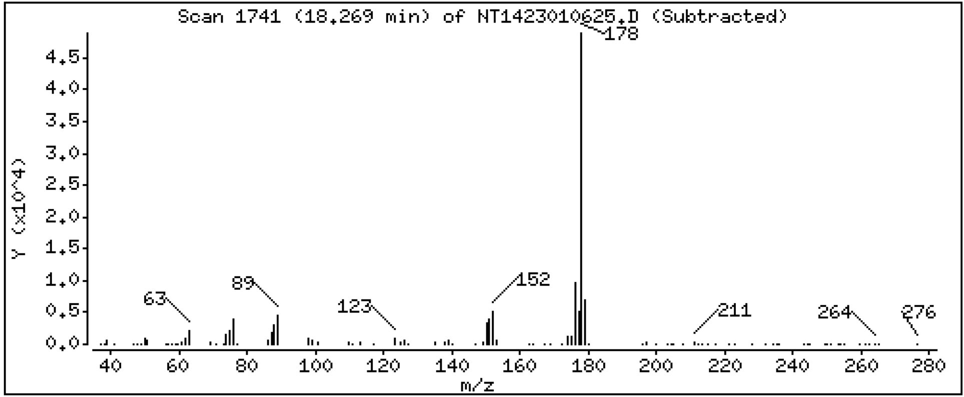
Sample Info: 22L0307-35

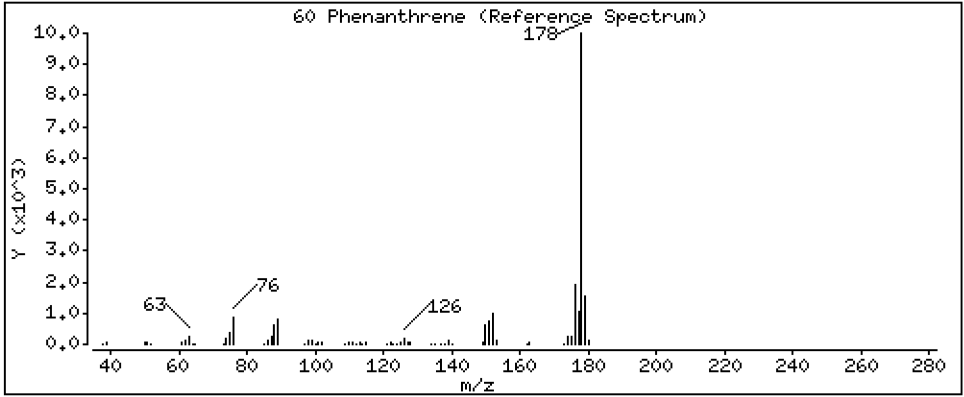
Operator: VTS

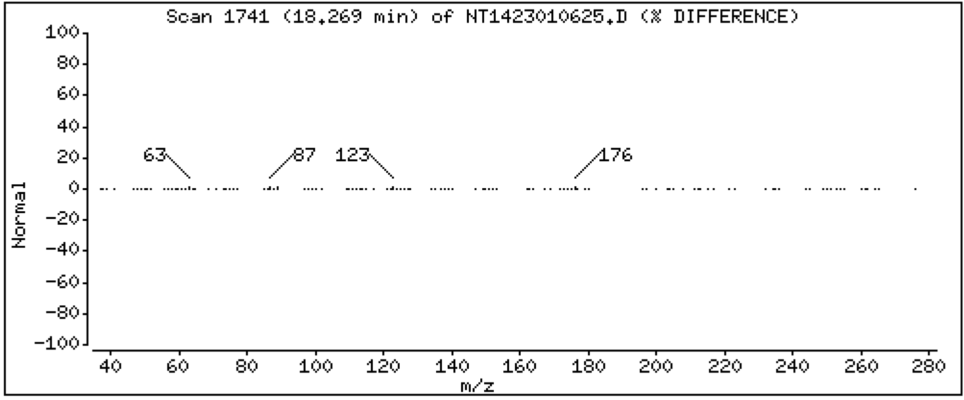
Column phase: ZB-5msi Column diameter: 0.25

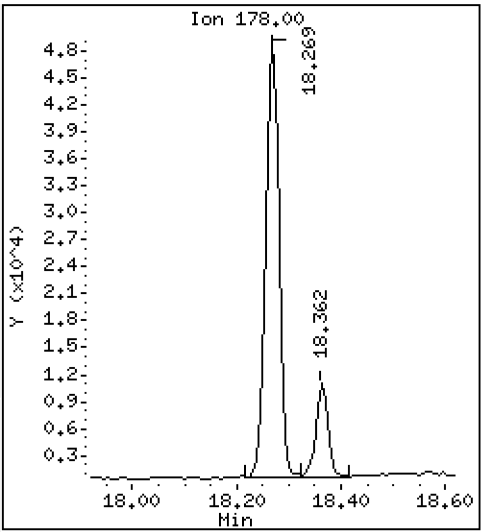
60 Phenanthrene Concentration: 0.8004 ug/mL

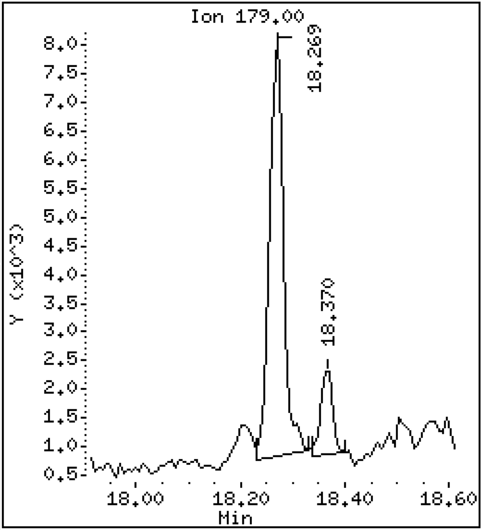

Scan 1741 (18.269 min) of NT1423010625.D

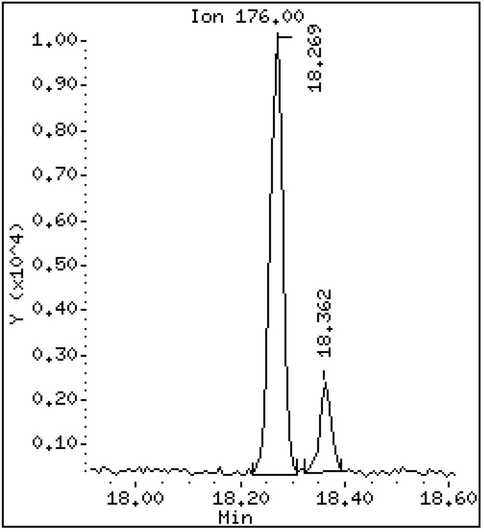

Scan 1741 (18.269 min) of NT1423010625.D (Subtracted)


60 Phenanthrene (Reference Spectrum)


Scan 1741 (18.269 min) of NT1423010625.D (% DIFFERENCE)


Ion 178.00


Ion 179.00


Ion 176.00

Data File: \\target\share\chem3\nt14.i\20230106.b\NT1423010625.D

Date : 07-JAN-2023 02:03

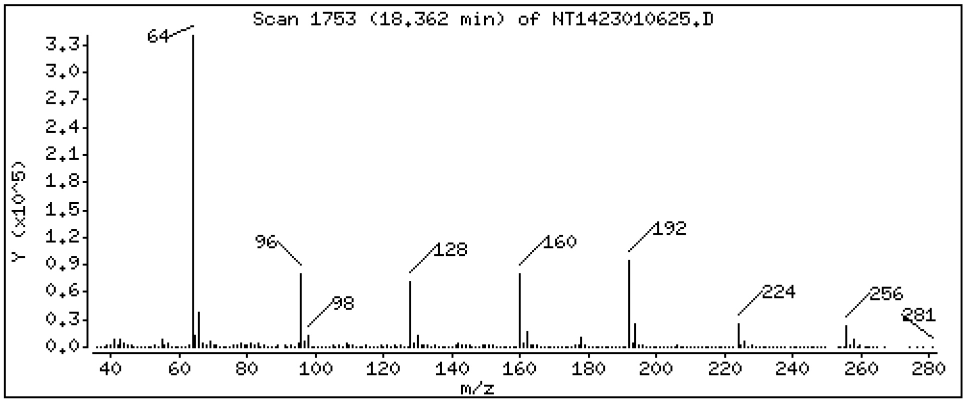
Client ID: Instrument: nt14.i

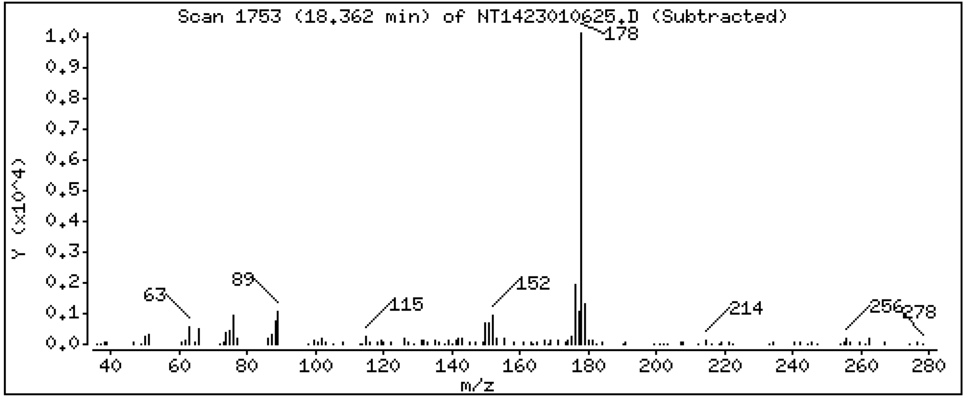
Sample Info: 22L0307-35

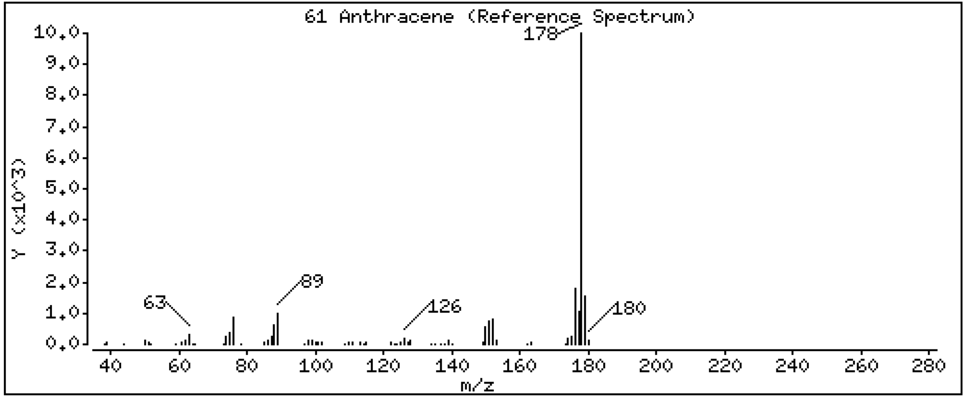
Operator: VTS

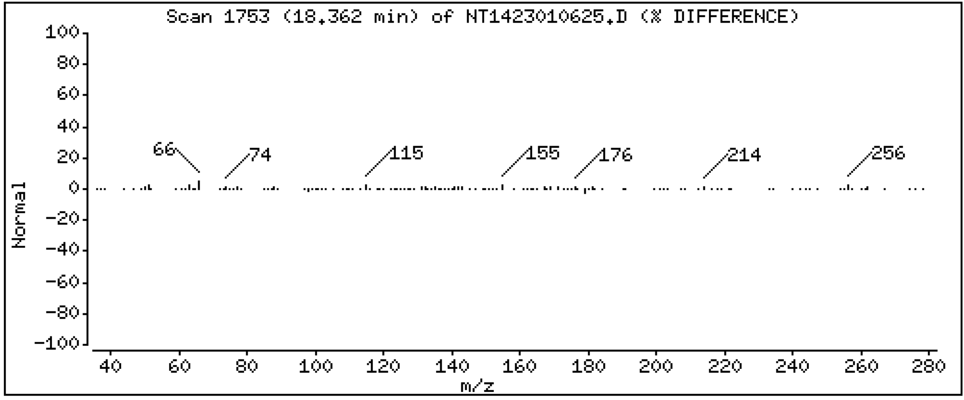
Column phase: ZB-5msi Column diameter: 0.25

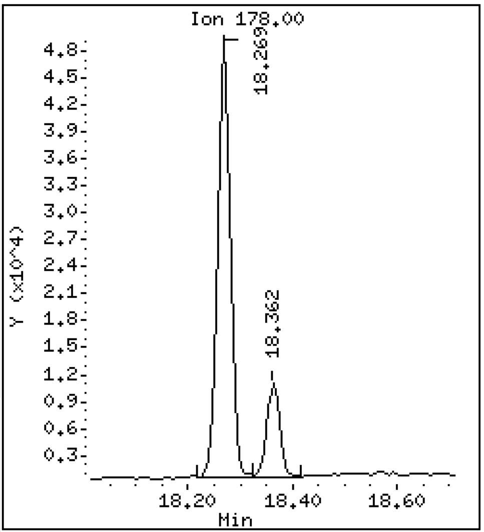
61 Anthracene Concentration: 0.1786 ug/mL

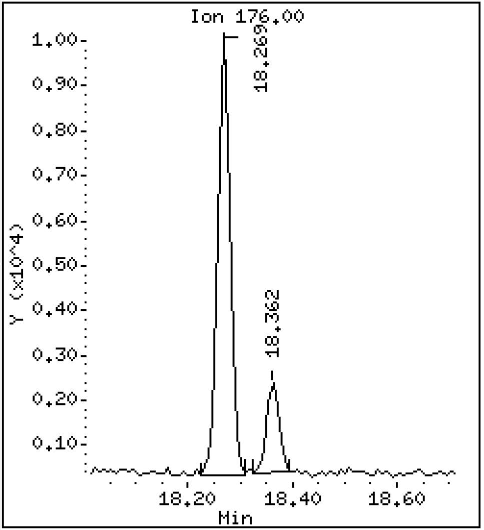


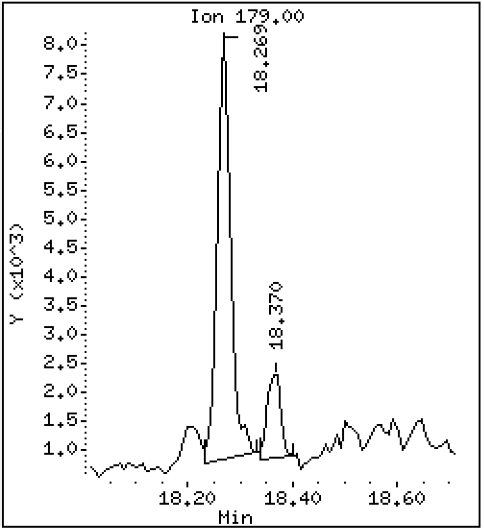












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Date : 07-JAN-2023 02:03

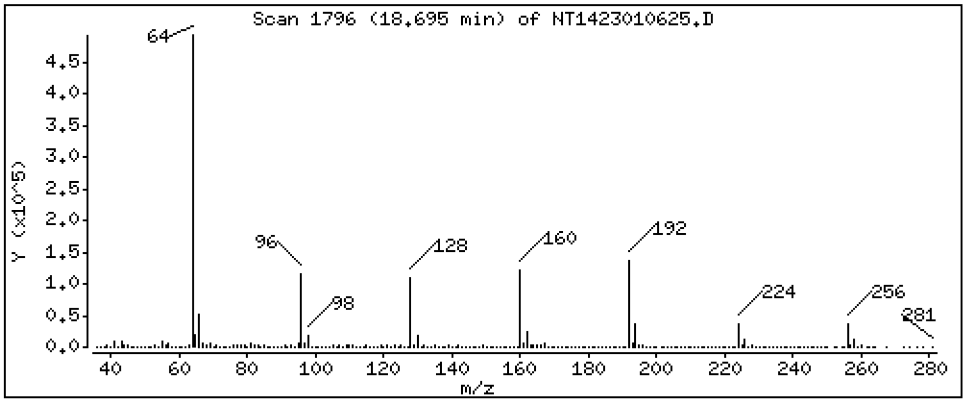
Client ID: Instrument: nt14.i

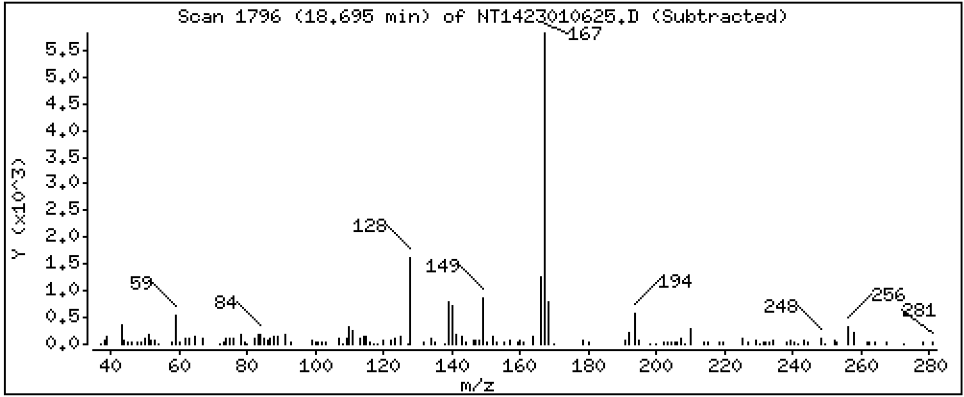
Sample Info: 22L0307-35

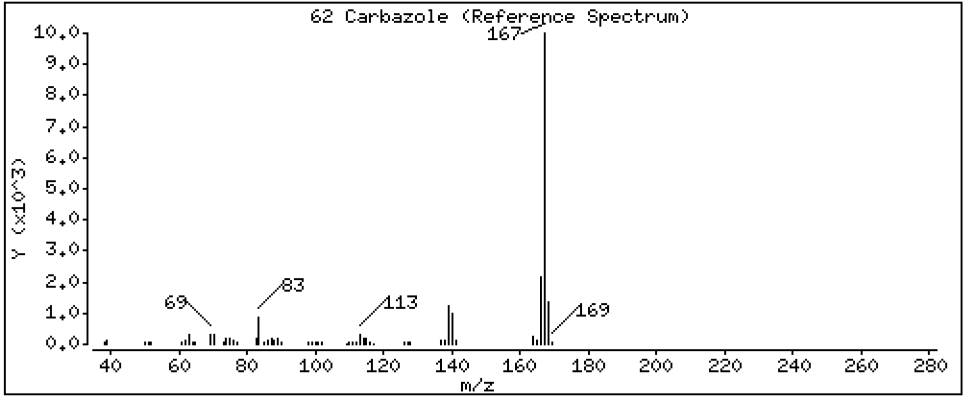
Operator: VTS

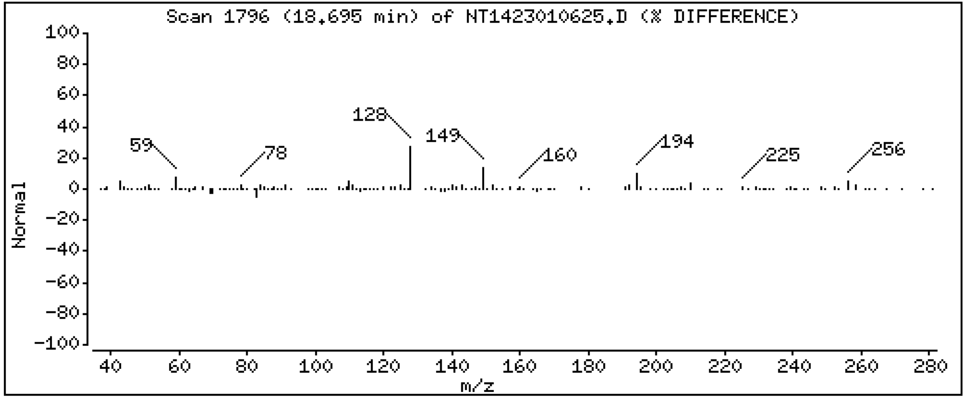
Column phase: ZB-5msi Column diameter: 0.25

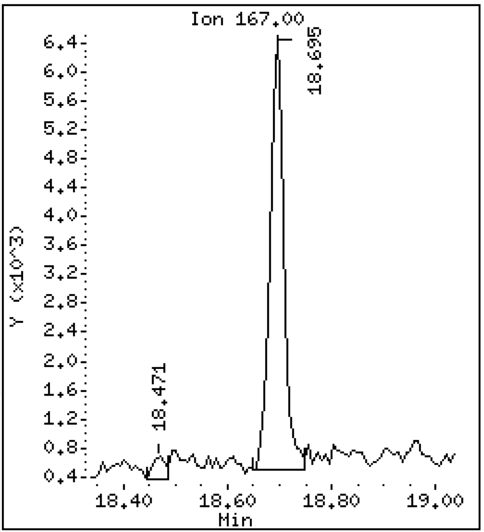
62 Carbazole Concentration: 0.1164 ug/mL

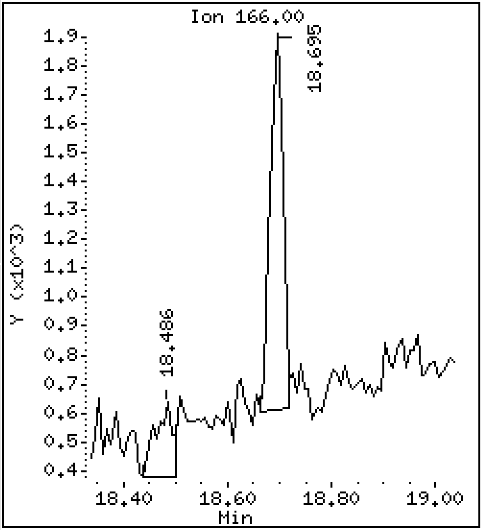


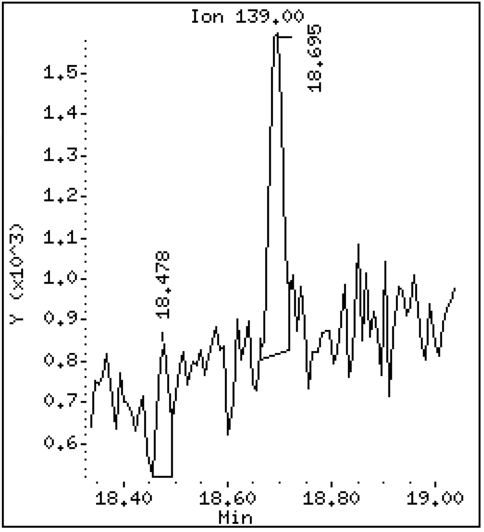












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Date : 07-JAN-2023 02:03

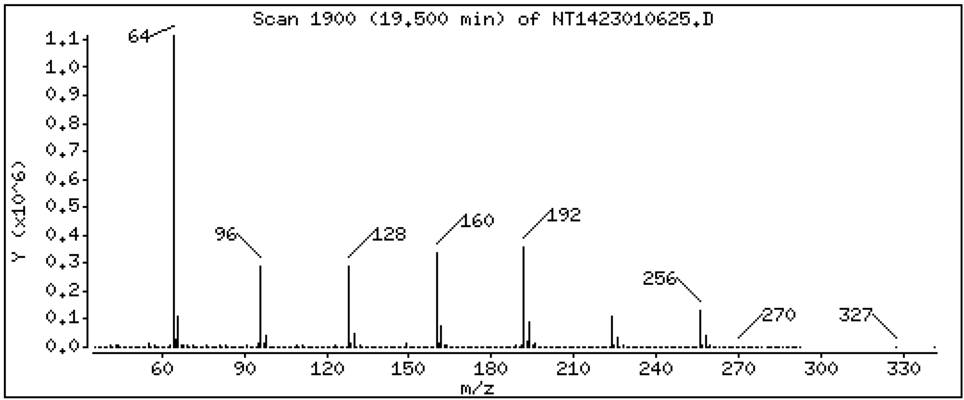
Client ID: Instrument: nt14.i

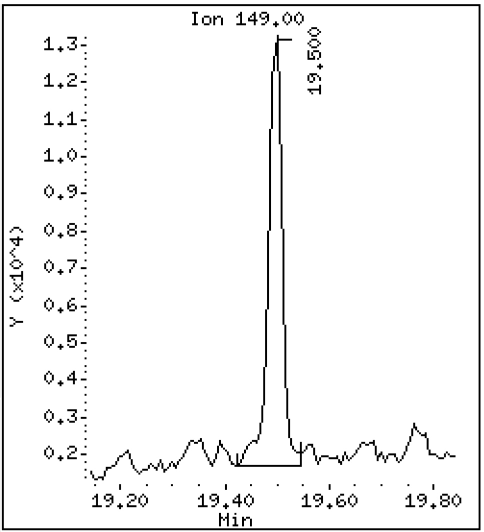
Sample Info: 22L0307-35

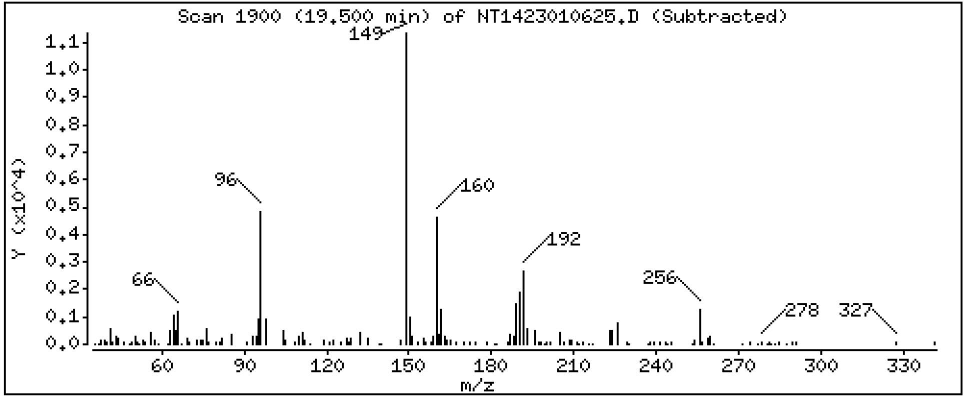
Operator: VTS

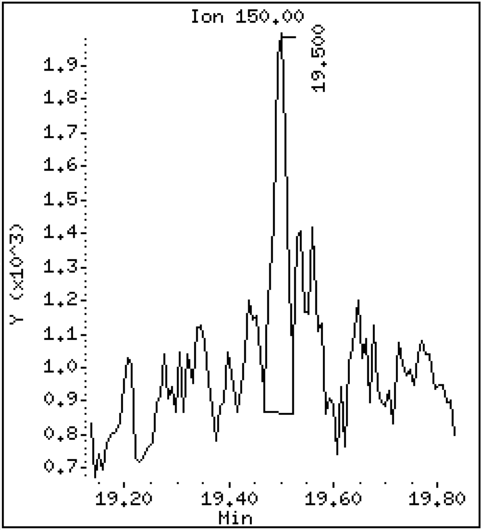
Column phase: ZB-5msi Column diameter: 0.25

63 Di-n-butylphthalate Concentration: 0.1947 ug/mL


Scan 1900 (19.500 min) of NT1423010625.D


Ion 149.00


Scan 1900 (19.500 min) of NT1423010625.D (Subtracted)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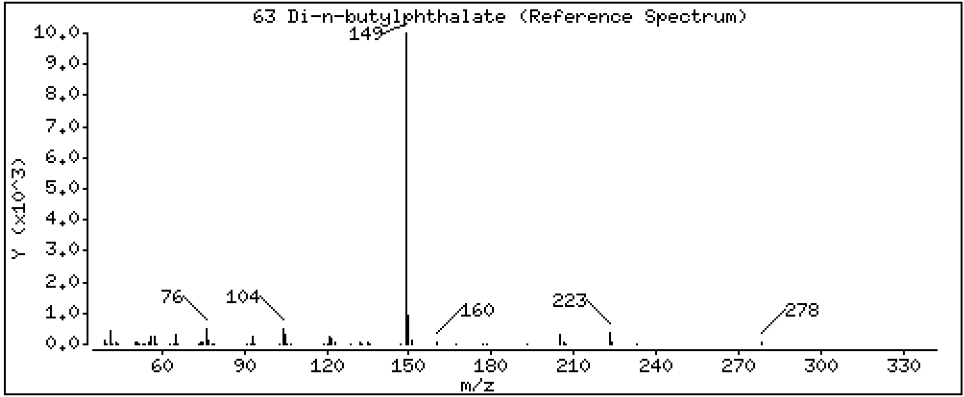
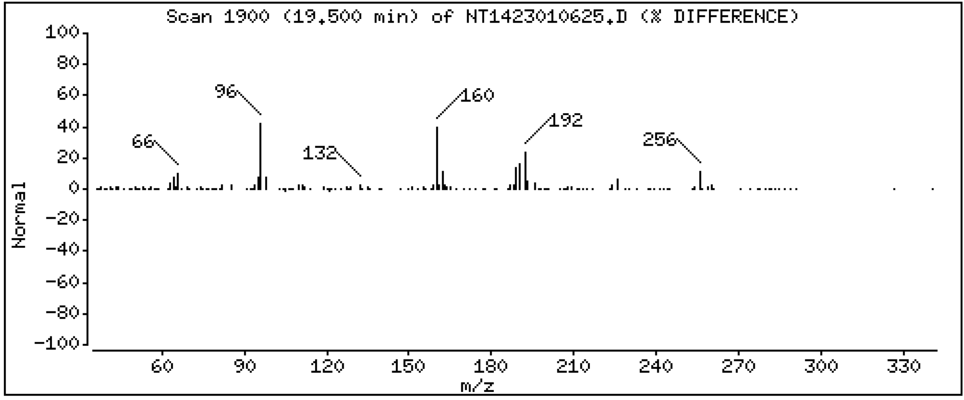
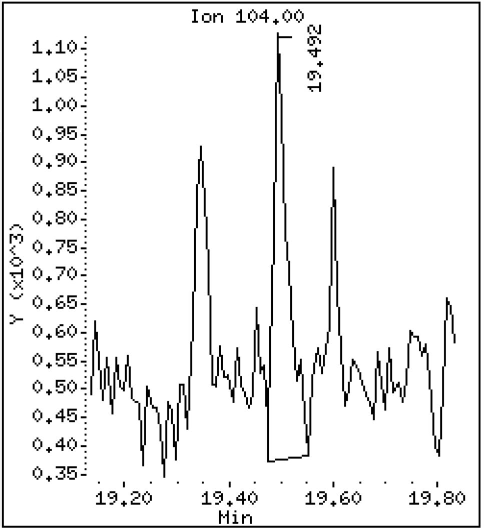

63 Di-n-butylphthalate (Reference Spectrum)


Scan 1900 (19.500 min) of NT1423010625.D (% DIFFERENCE)


Ion 104.00

Data File: \\target\share\chem3\nt14.i\20230106.b\NT1423010625.D

Date : 07-JAN-2023 02:03

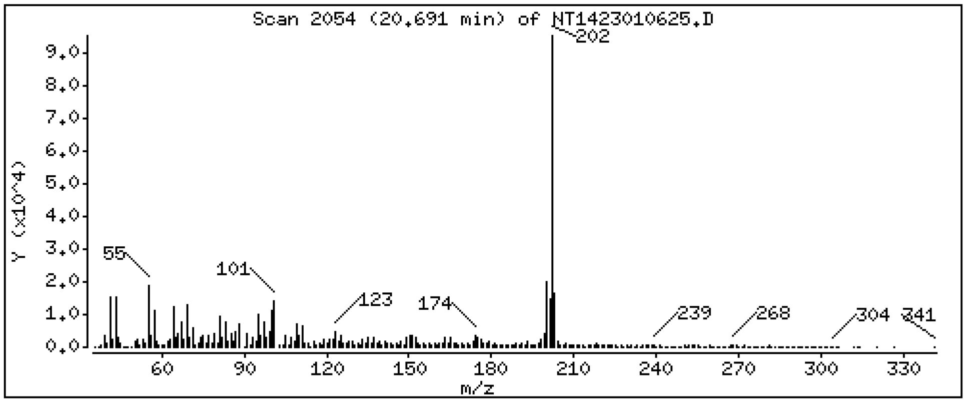
Client ID: Instrument: nt14.i

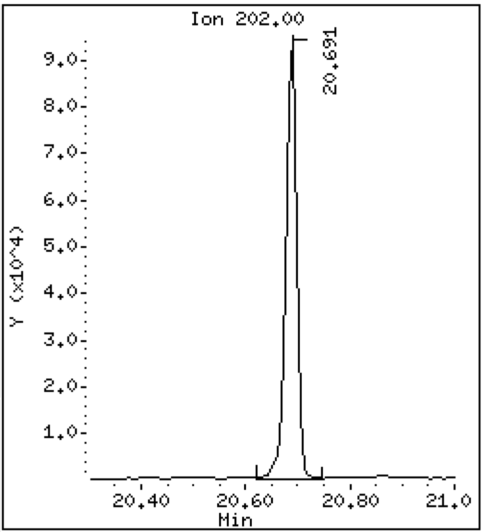
Sample Info: 22L0307-35

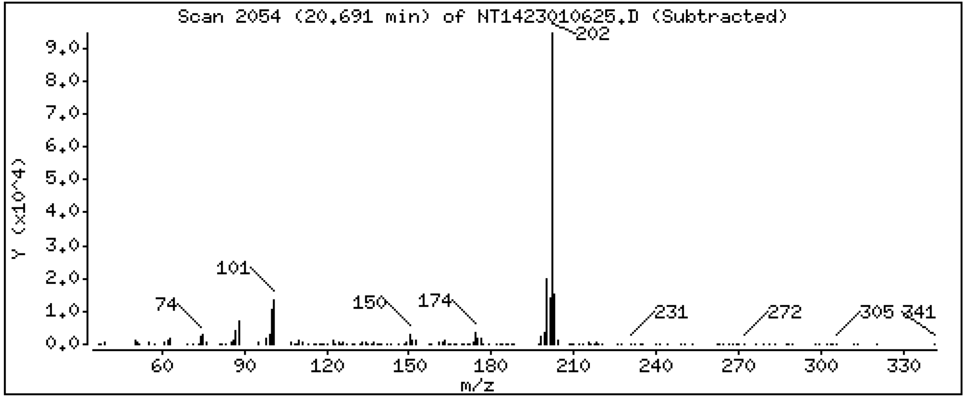
Operator: VTS

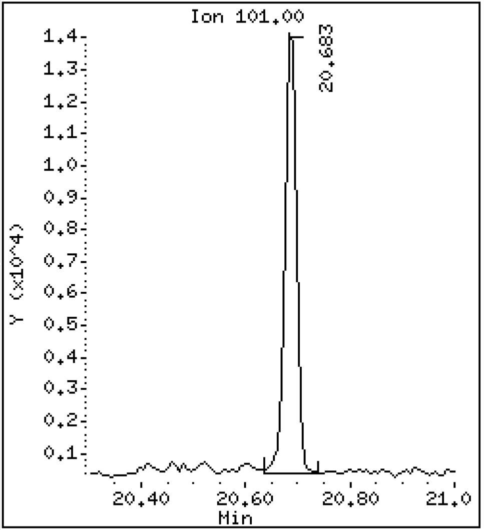
Column phase: ZB-5msi Column diameter: 0.25

64 Fluoranthene Concentration: 1.605 ug/mL


Scan 2054 (20.691 min) of NT1423010625.D


Ion 202.00


Scan 2054 (20.691 min) of NT1423010625.D (Subtracted)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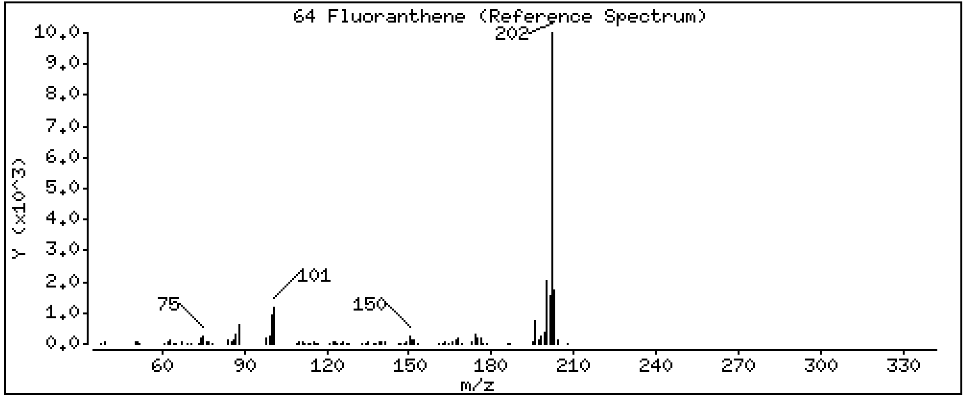
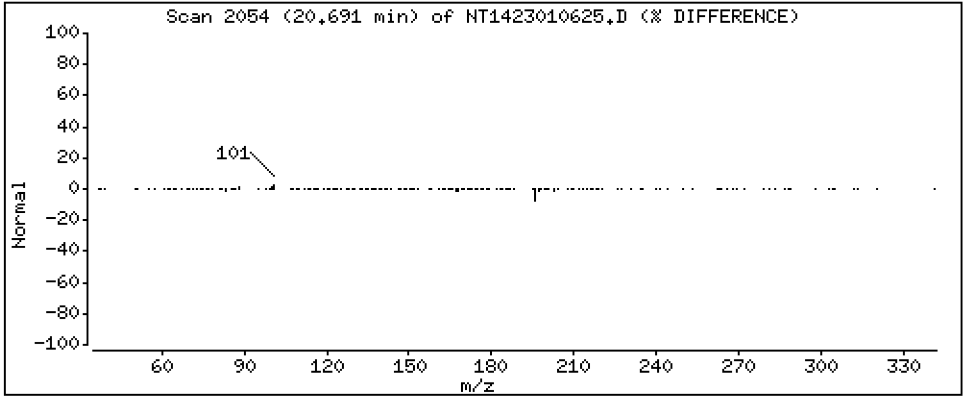
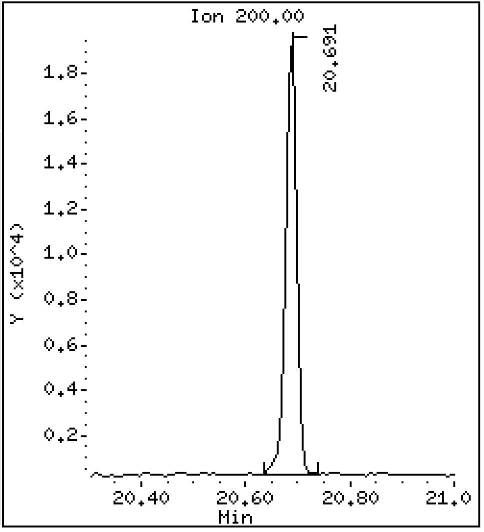

64 Fluoranthene (Reference Spectrum)


Scan 2054 (20.691 min) of NT1423010625.D (% DIFFERENCE)


Ion 200.00

Data File: \\target\share\chem3\nt14.i\20230106.b\NT1423010625.D

Date : 07-JAN-2023 02:03

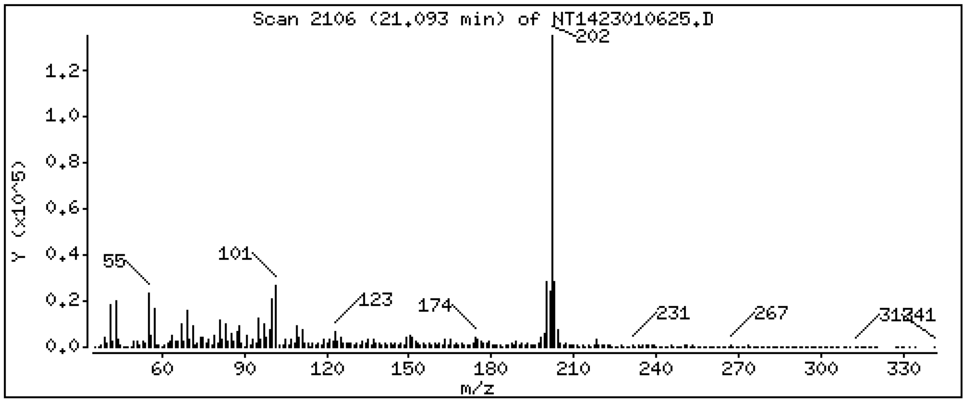
Client ID: Instrument: nt14.i

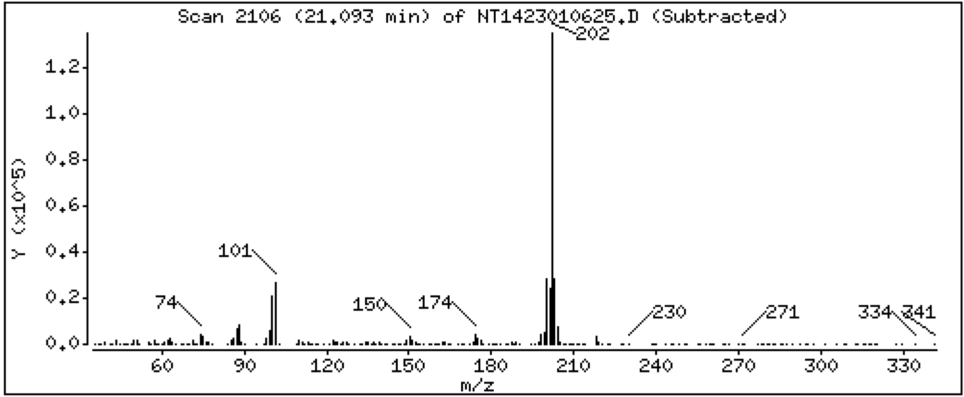
Sample Info: 22L0307-35

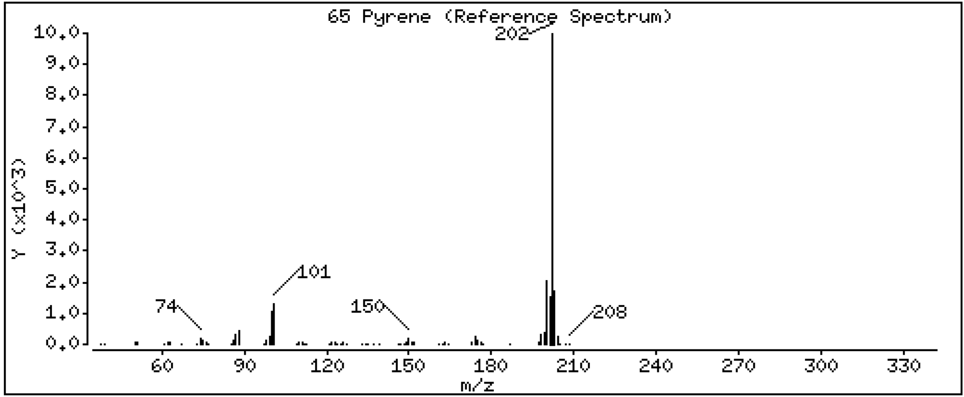
Operator: VTS

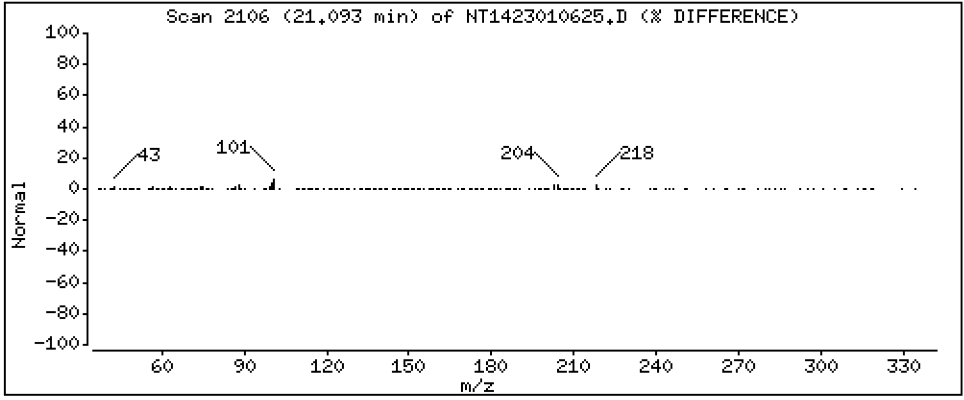
Column phase: ZB-5msi Column diameter: 0.25

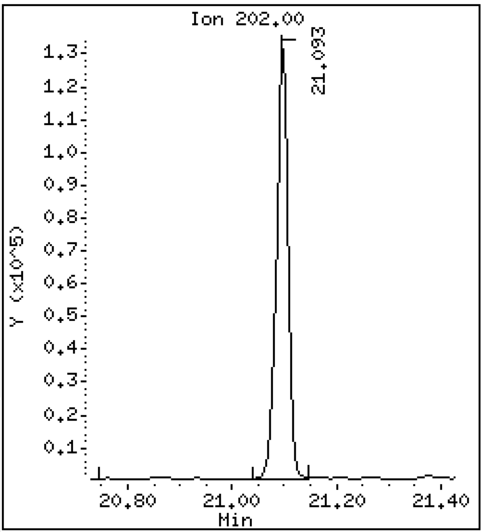
65 Pyrene Concentration: 2.184 ug/mL

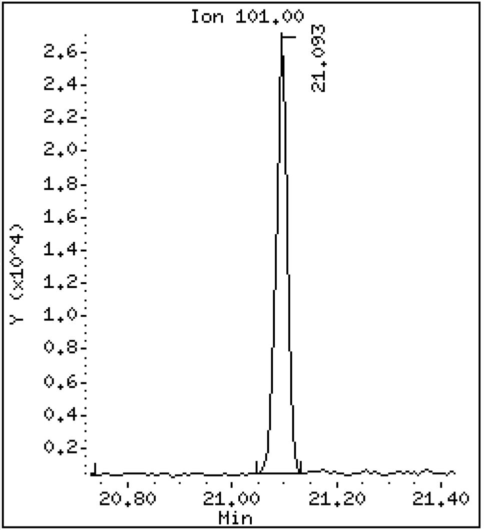


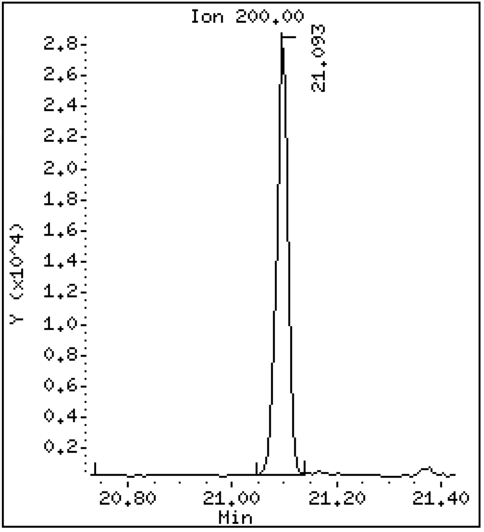












Data File: \\target\share\chem3\nt14.i\20230106.b\NT1423010625.D

Date : 07-JAN-2023 02:03

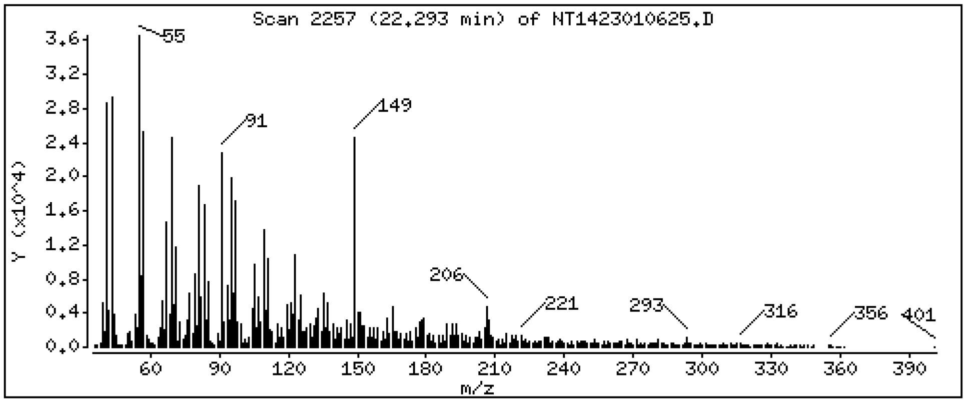
Client ID: Instrument: nt14.i

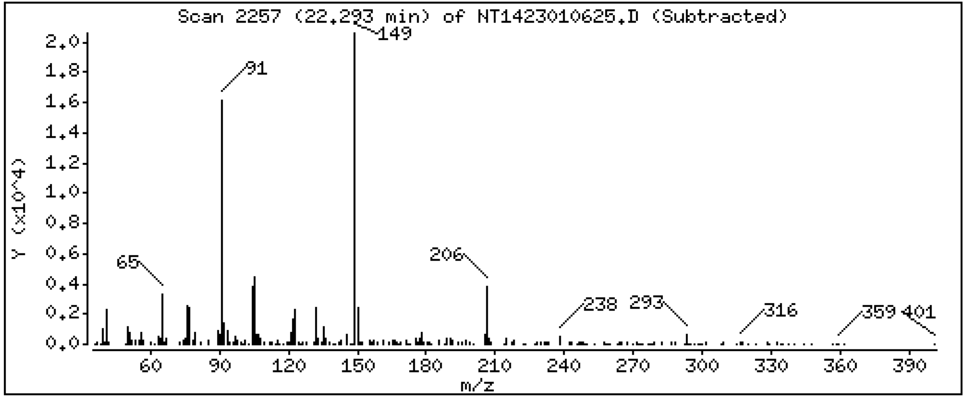
Sample Info: 22L0307-35

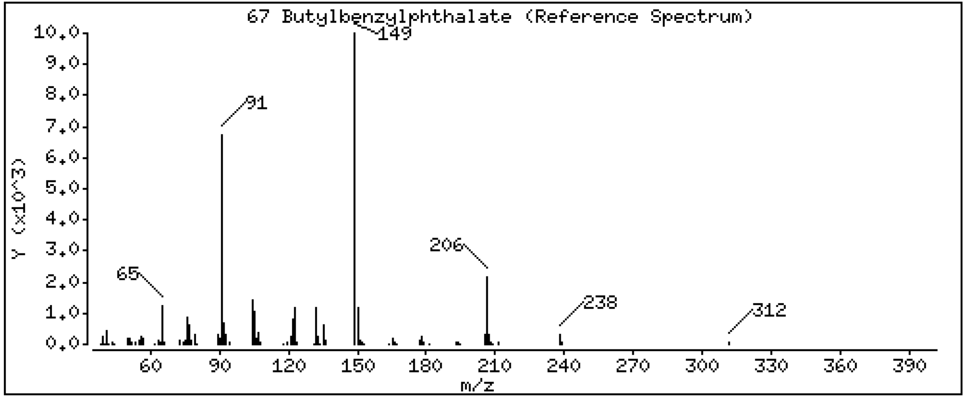
Operator: VTS

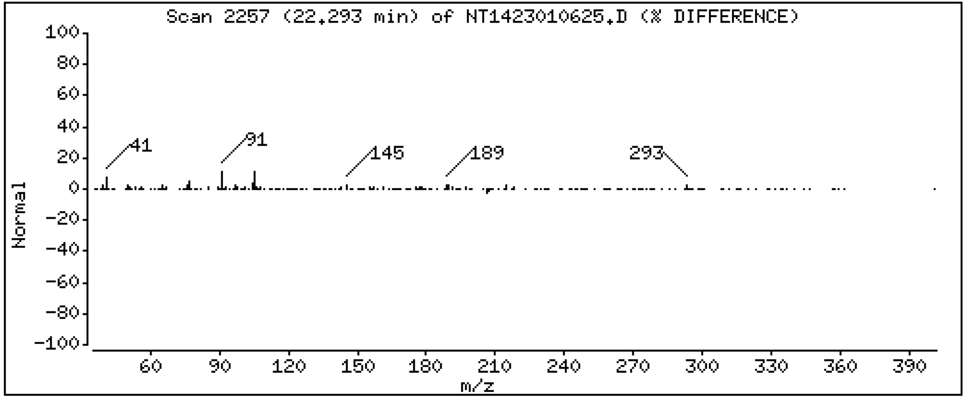
Column phase: ZB-5msi Column diameter: 0.25

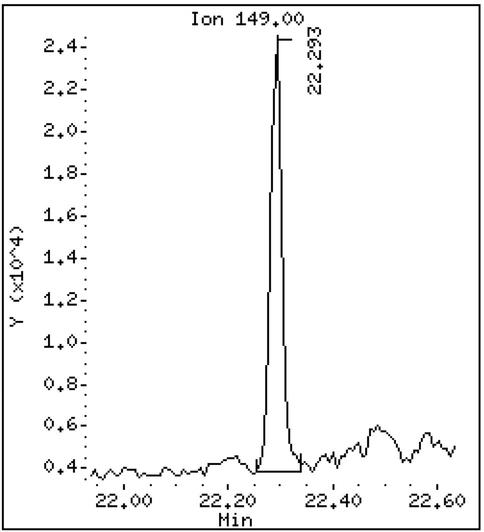
67 Butylbenzylphthalate Concentration: 0.8401 ug/mL

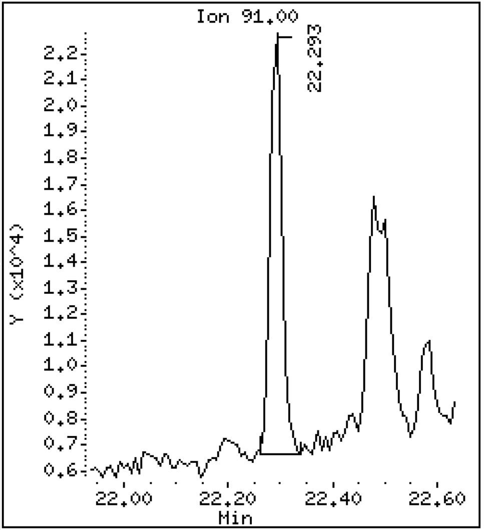

Scan 2257 (22.293 min) of NT1423010625.D

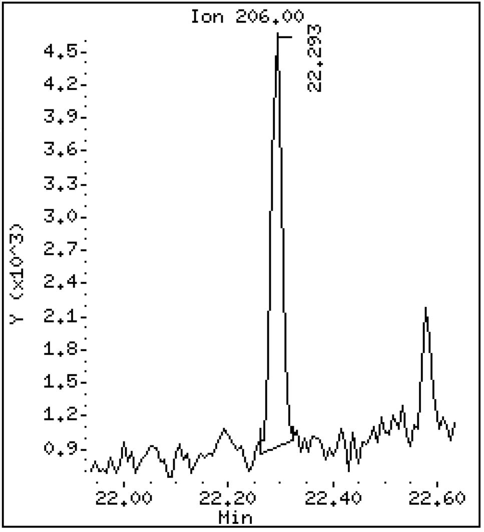

Scan 2257 (22.293 min) of NT1423010625.D (Subtracted)


67 Butylbenzylphthalate (Reference Spectrum)


Scan 2257 (22.293 min) of NT1423010625.D (% DIFFERENCE)


Ion 149.00


Ion 91.00


Ion 206.00

Data File: \\target\share\chem3\nt14.i\20230106.b\NT1423010625.D Page 20

Date : 07-JAN-2023 02:03

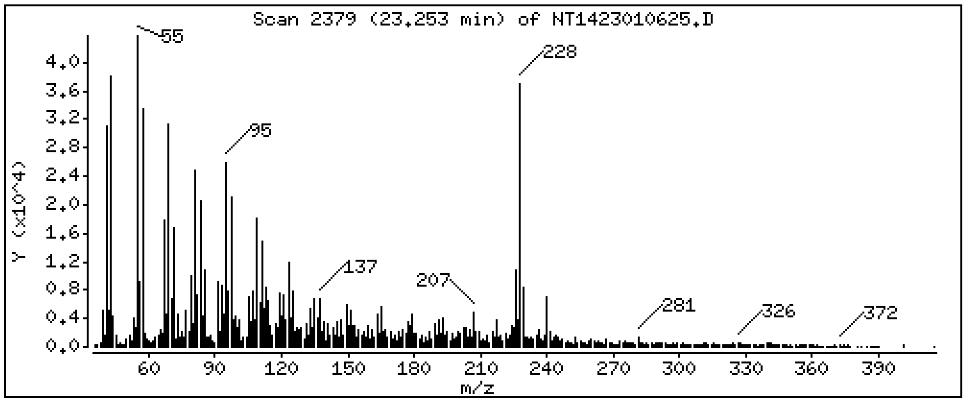
Client ID: Instrument: nt14.i

Sample Info: 22L0307-35

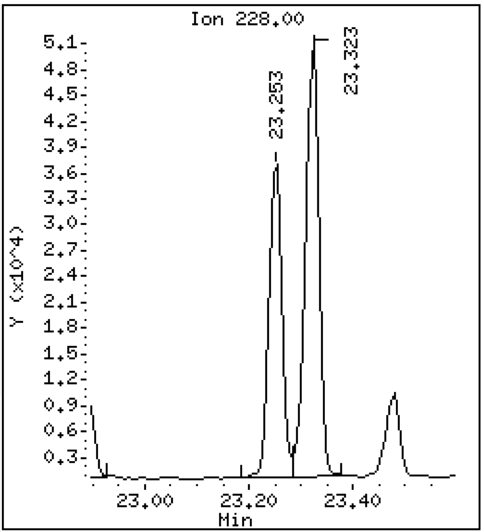
Operator: VTS

Column phase: ZB-5msi Column diameter: 0.25

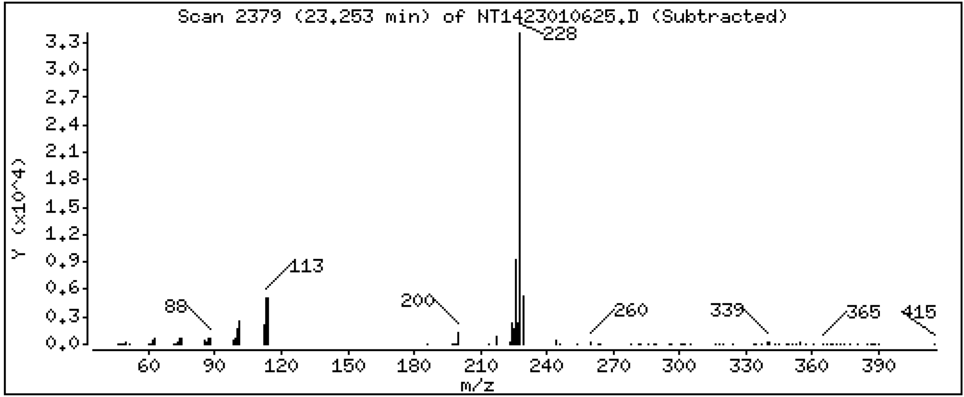
68 Benzo(a)anthracene Concentration: 0.7411 ug/mL



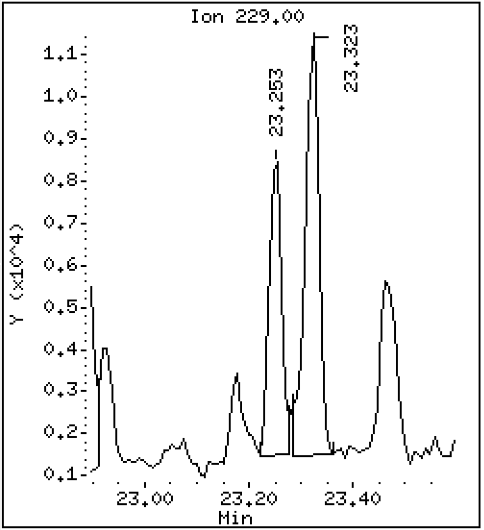
Scan 2379 (23.253 min) of NT1423010625.D



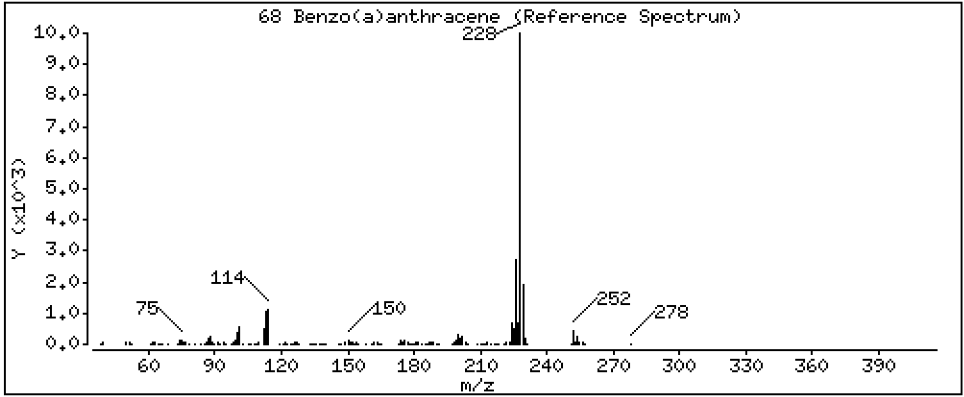
Ion 228.00



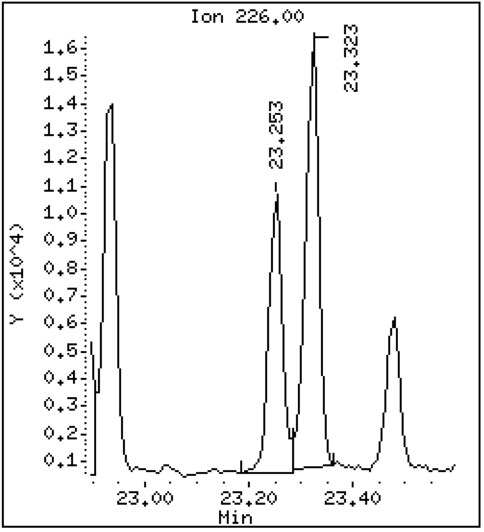
Scan 2379 (23.253 min) of NT1423010625.D (Subtracted)



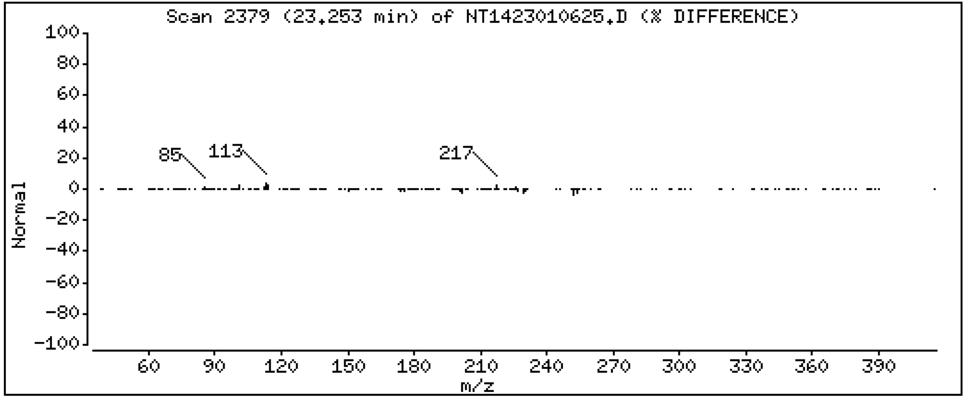
Ion 229.00



68 Benzo(a)anthracene (Reference Spectrum)



Ion 226.00



Scan 2379 (23.253 min) of NT1423010625.D (% DIFFERENCE)

Data File: \\target\share\chem3\nt14.i\20230106.b\NT1423010625.D

Date : 07-JAN-2023 02:03

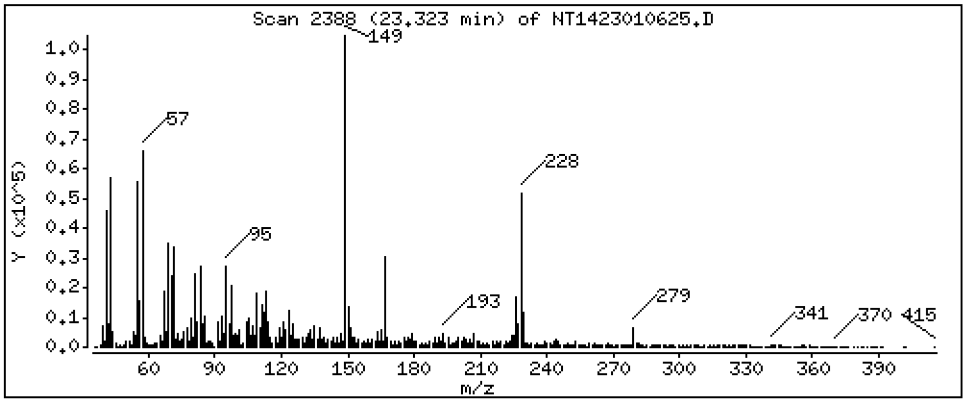
Client ID: Instrument: nt14.i

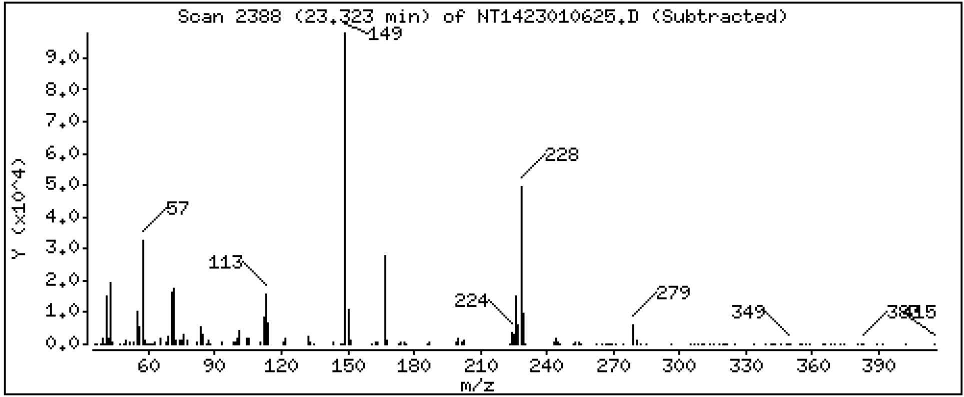
Sample Info: 22L0307-35

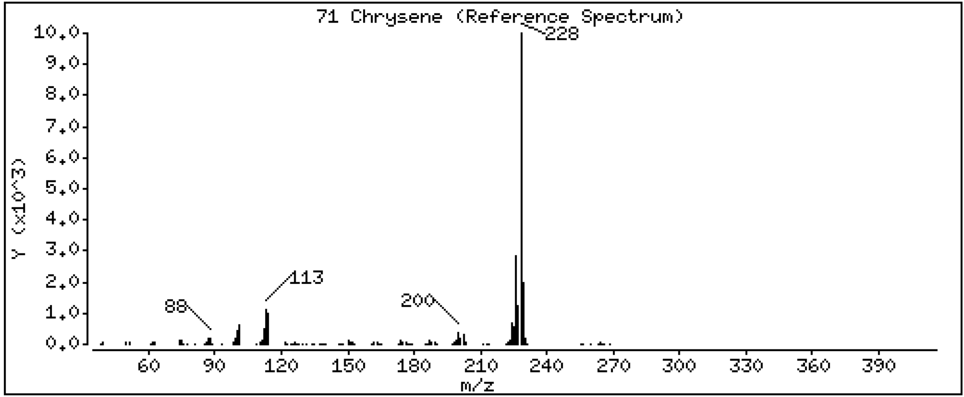
Operator: VTS

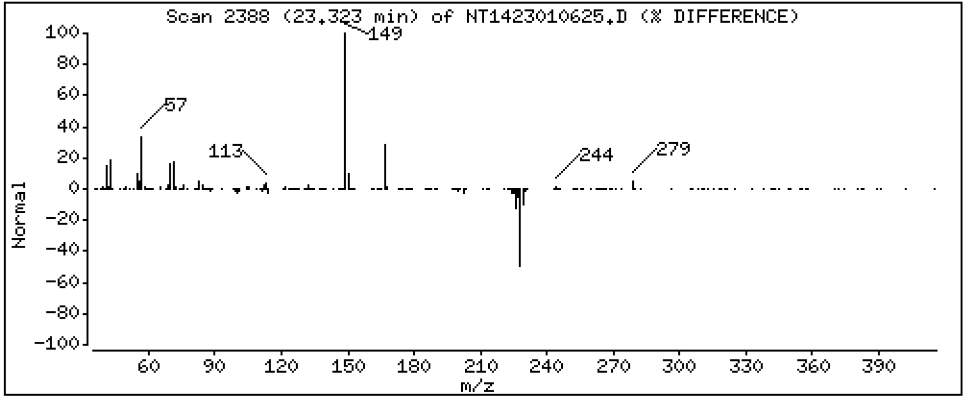
Column phase: ZB-5msi Column diameter: 0.25

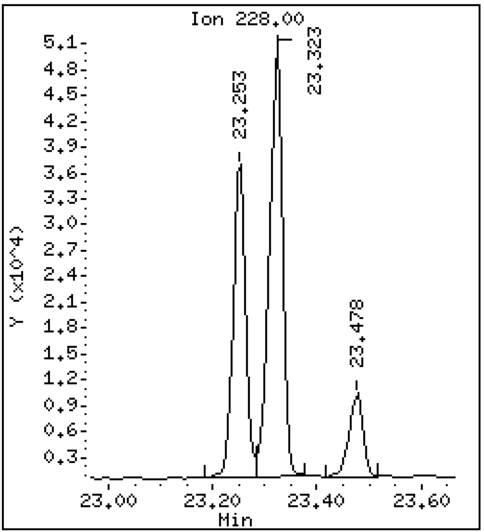
71 Chrysene Concentration: 1.086 ug/mL

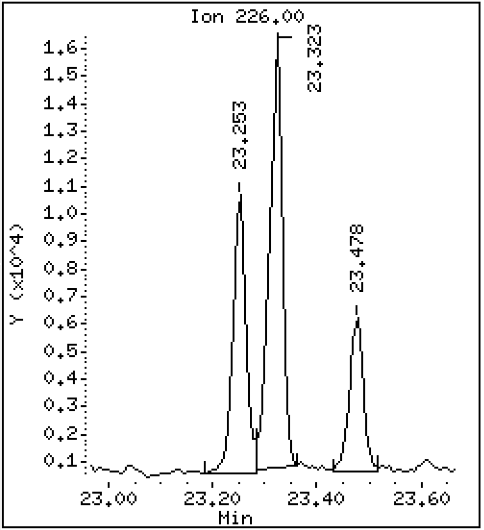


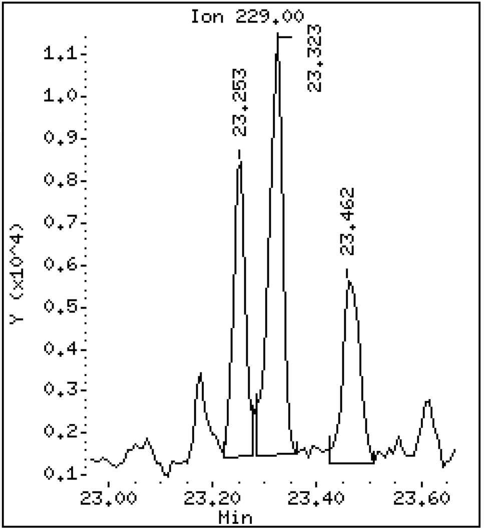












Data File: \\target\share\chem3\nt14.i\20230106.b\NT1423010625.D

Date : 07-JAN-2023 02:03

Client ID:

Instrument: nt14.i

Sample Info: 22L0307-35

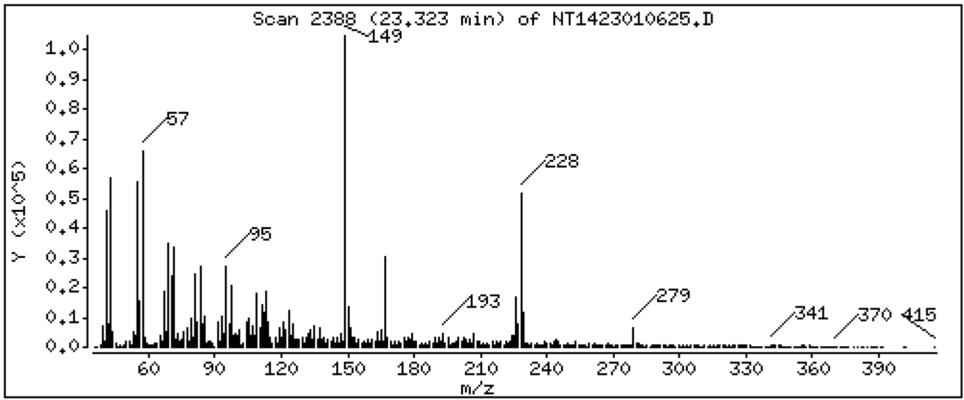
Operator: VTS

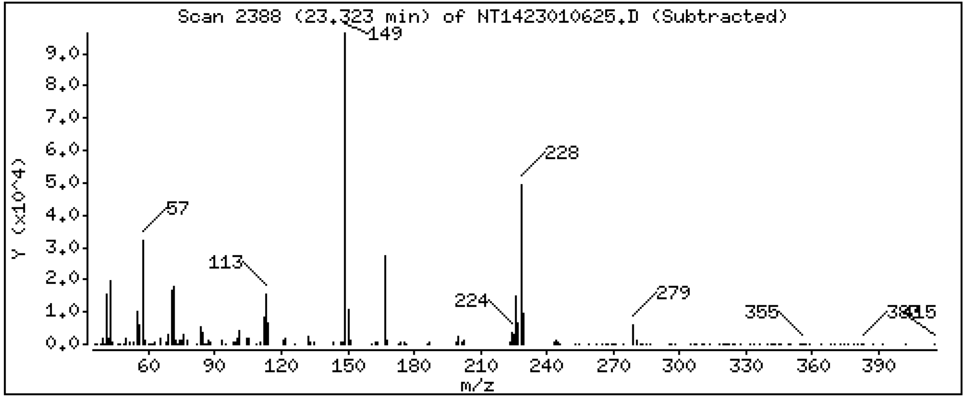
Column phase: ZB-5msi

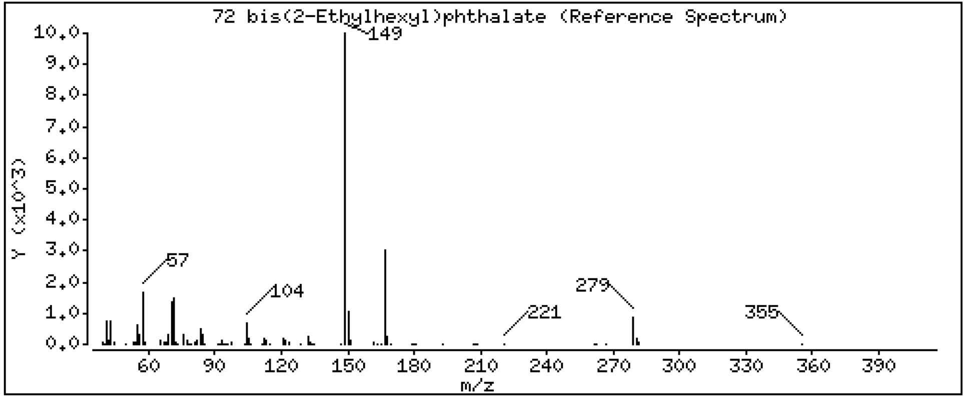
Column diameter: 0.25

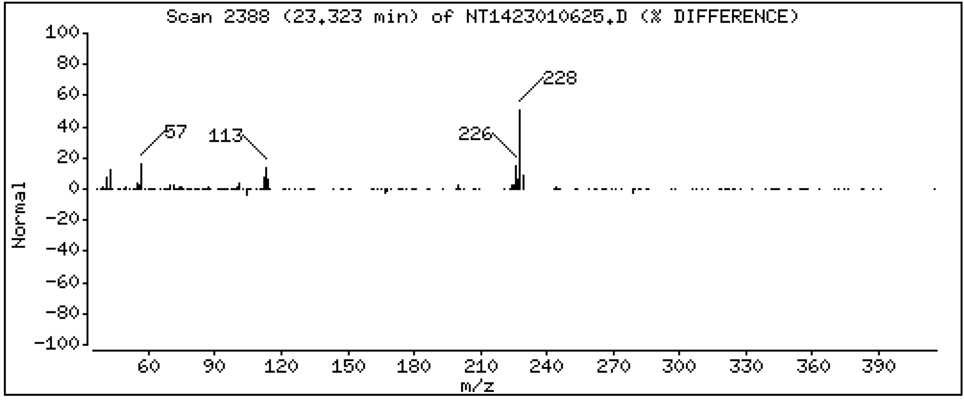
72 bis(2-Ethylhexyl)phthalate

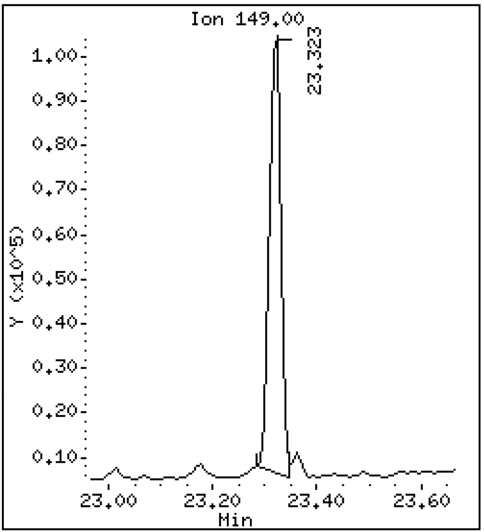
Concentration: 2.291 ug/mL

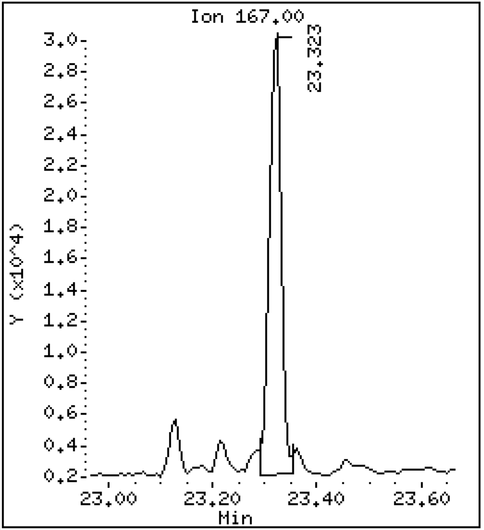

Scan 2388 (23.323 min) of NT1423010625.D

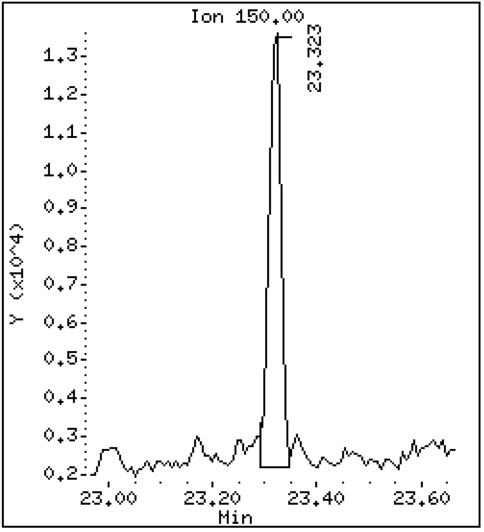

Scan 2388 (23.323 min) of NT1423010625.D (Subtracted)


72 bis(2-Ethylhexyl)phthalate (Reference Spectrum)


Scan 2388 (23.323 min) of NT1423010625.D (% DIFFERENCE)


Ion 149.00


Ion 167.00


Ion 150.00

Data File: \\target\share\chem3\nt14.i\20230106.b\NT1423010625.D

Date : 07-JAN-2023 02:03

Client ID:

Instrument: nt14.i

Sample Info: 22L0307-35

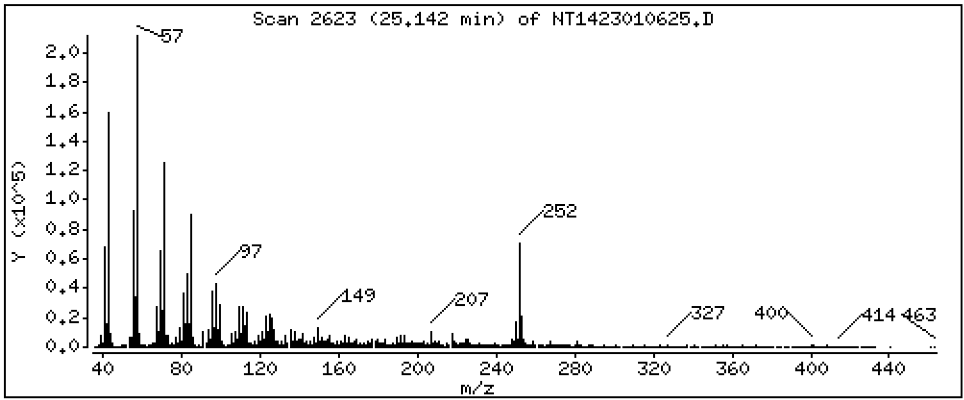
Operator: VTS

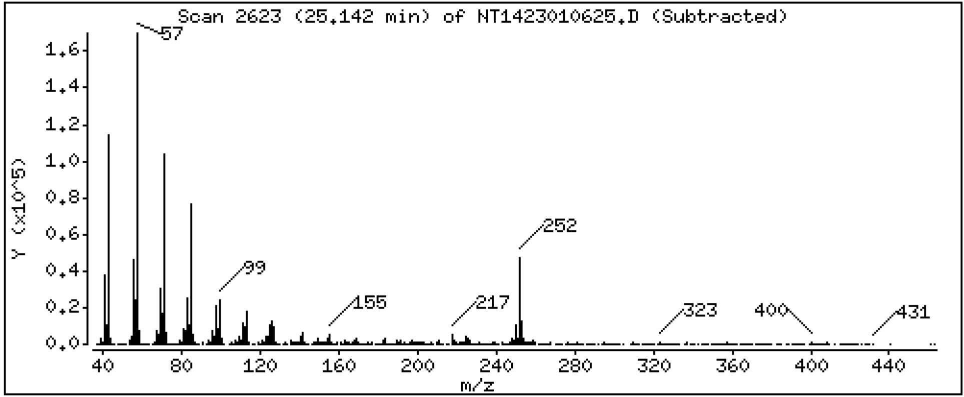
Column phase: ZB-5msi

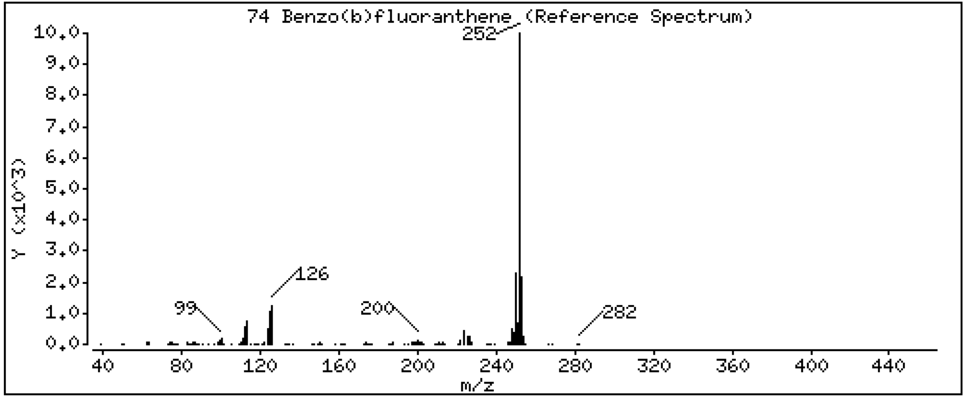
Column diameter: 0.25

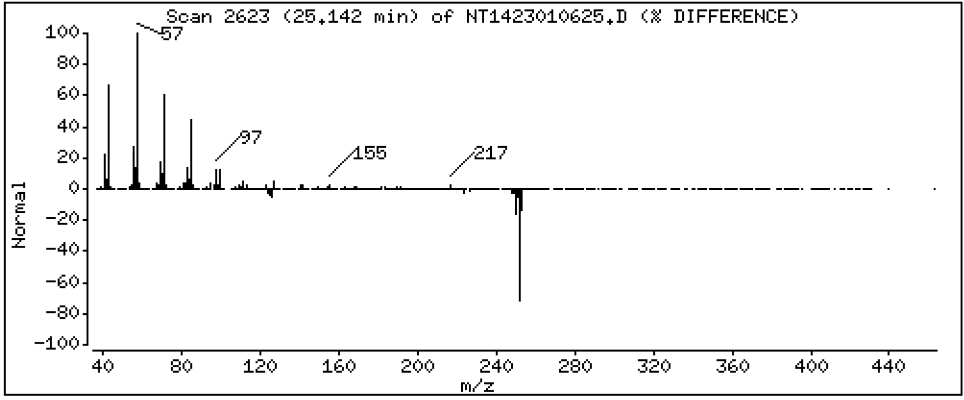
74 Benzo(b)fluoranthene

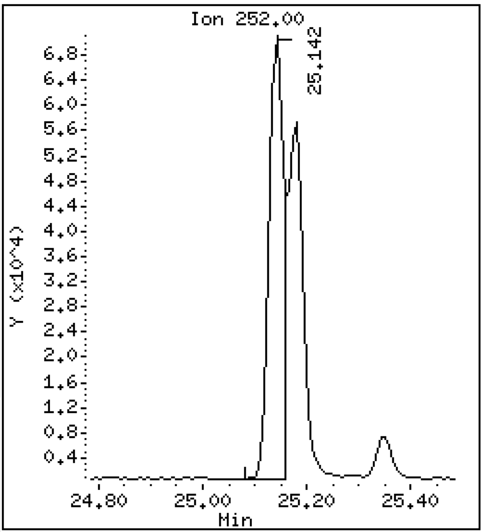
Concentration: 1.312 ug/mL

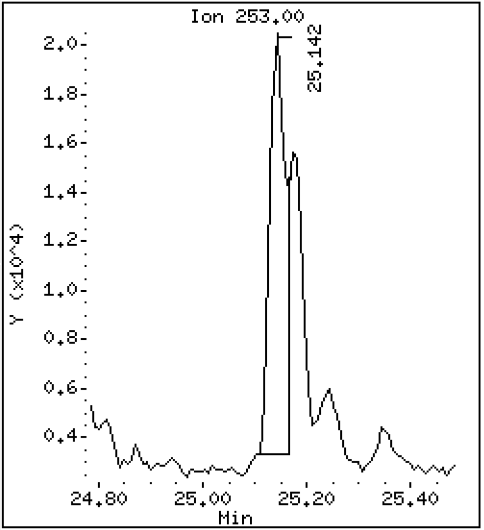

Scan 2623 (25.142 min) of NT1423010625.D

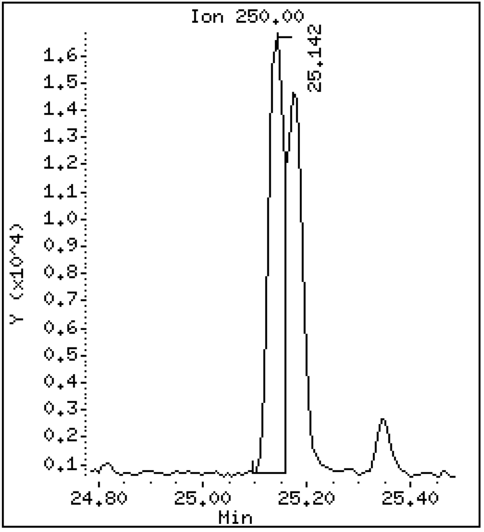

Scan 2623 (25.142 min) of NT1423010625.D (Subtracted)


74 Benzo(b)fluoranthene (Reference Spectrum)


Scan 2623 (25.142 min) of NT1423010625.D (% DIFFERENCE)


Ion 252.00


Ion 253.00


Ion 250.00

Data File: \\target\share\chem3\nt14.i\20230106.b\NT1423010625.D

Date : 07-JAN-2023 02:03

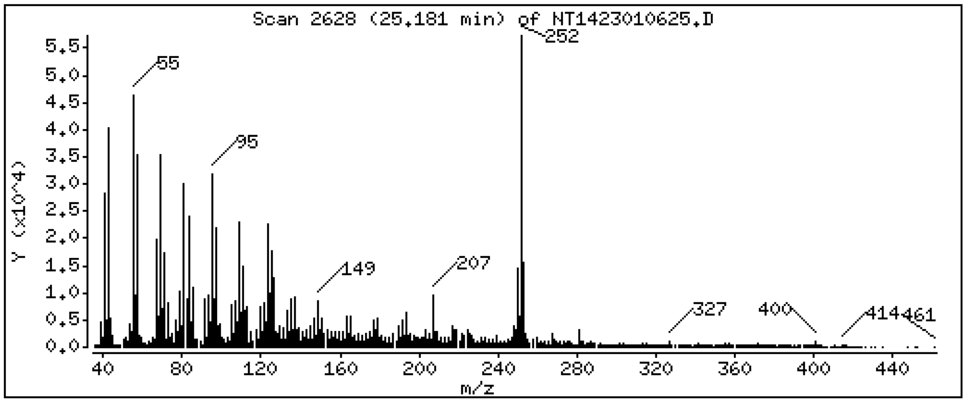
Client ID: Instrument: nt14.i

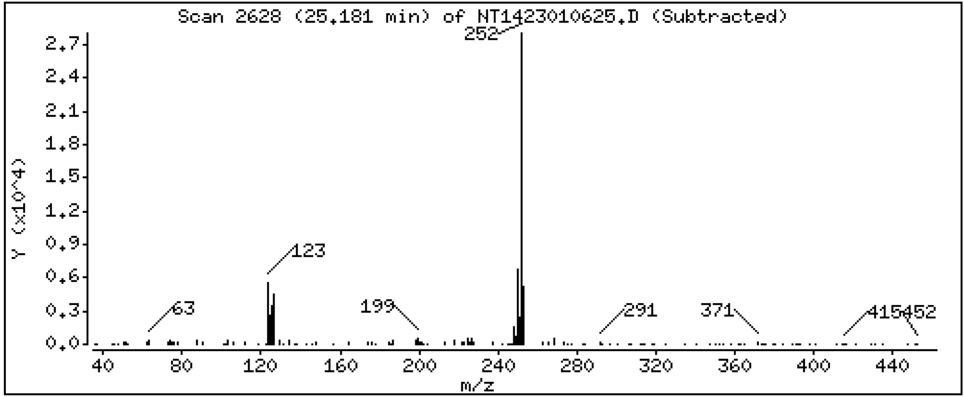
Sample Info: 22L0307-35

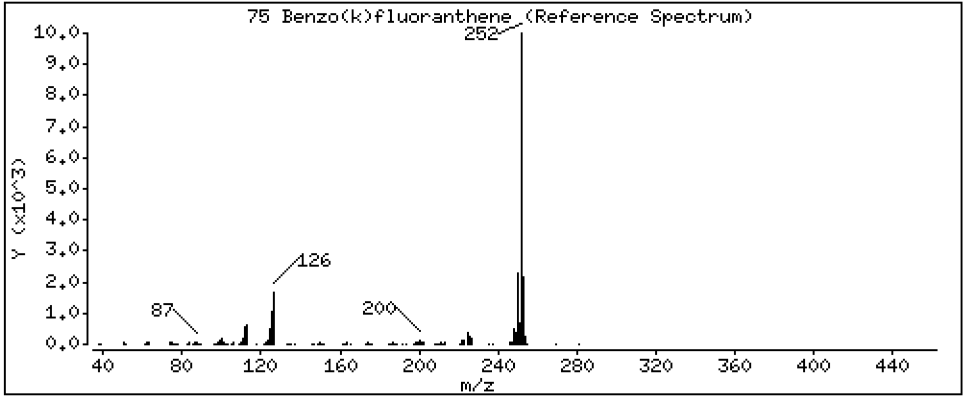
Operator: VTS

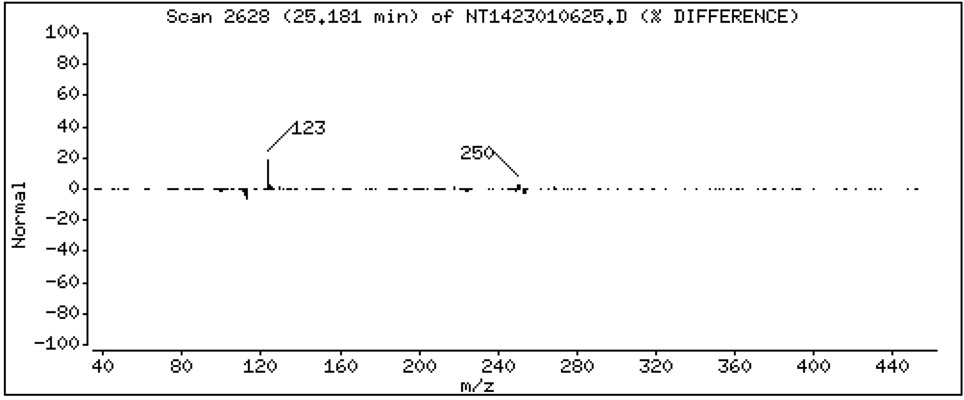
Column phase: ZB-5msi Column diameter: 0.25

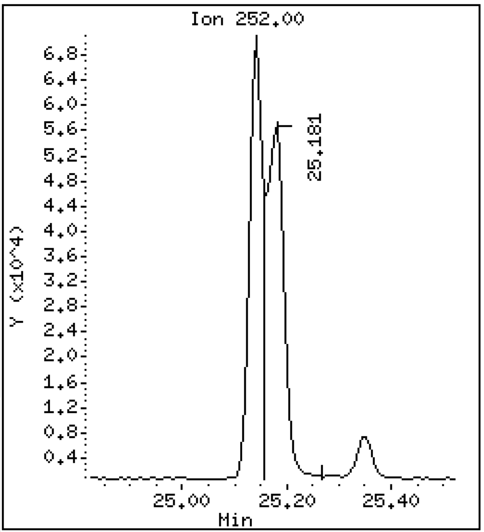
75 Benzo(k)fluoranthene Concentration: 1.358 ug/mL

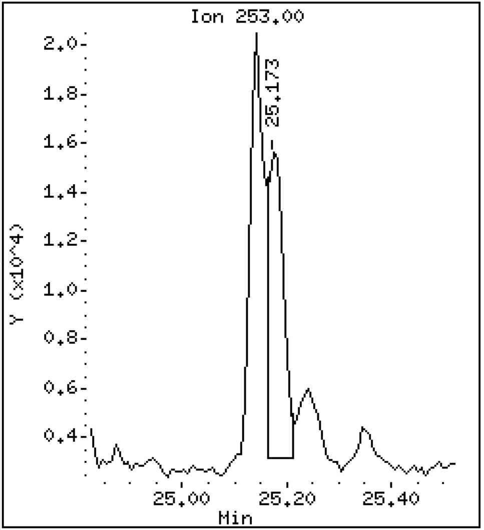

Scan 2628 (25.181 min) of NT1423010625.D


Scan 2628 (25.181 min) of NT1423010625.D (Subtracted)


75 Benzo(k)fluoranthene (Reference Spectrum)


Scan 2628 (25.181 min) of NT1423010625.D (% DIFFERENCE)


Ion 252.00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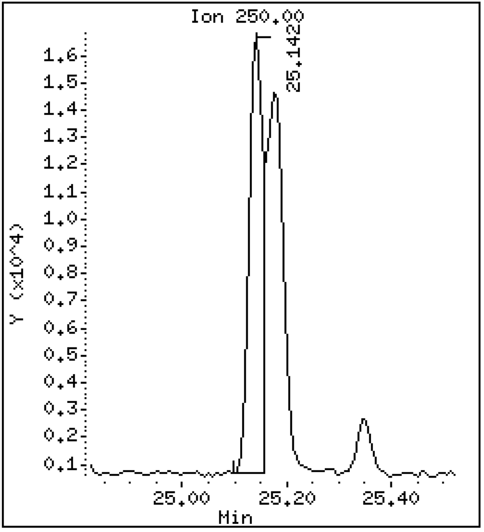
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Data File: \\target\share\chem3\nt14.i\20230106.b\NT1423010625.D

Date : 07-JAN-2023 02:03

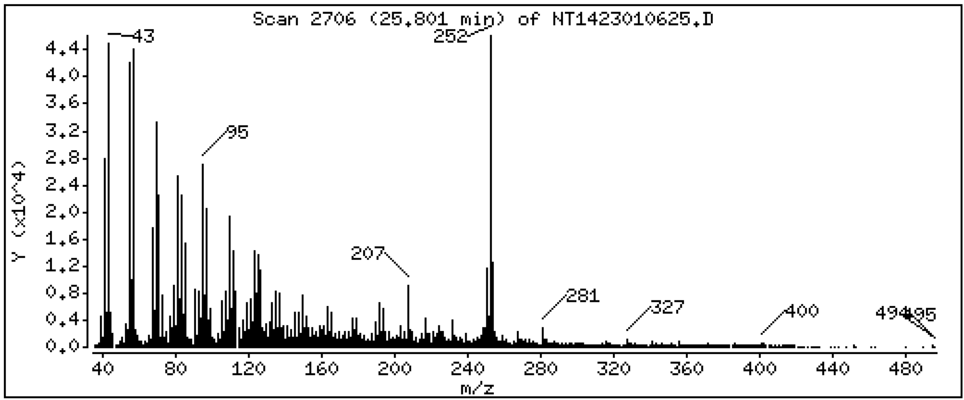
Client ID: Instrument: nt14.i

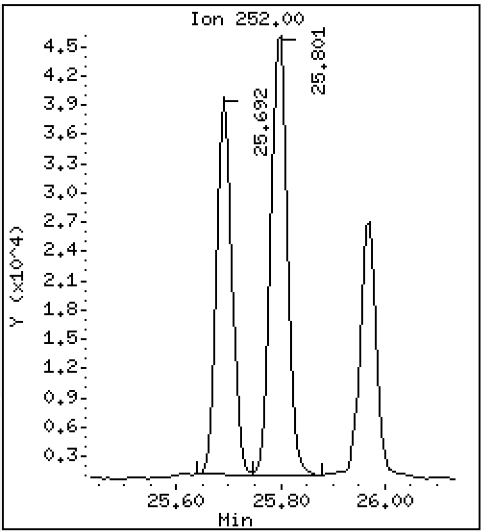
Sample Info: 22L0307-35

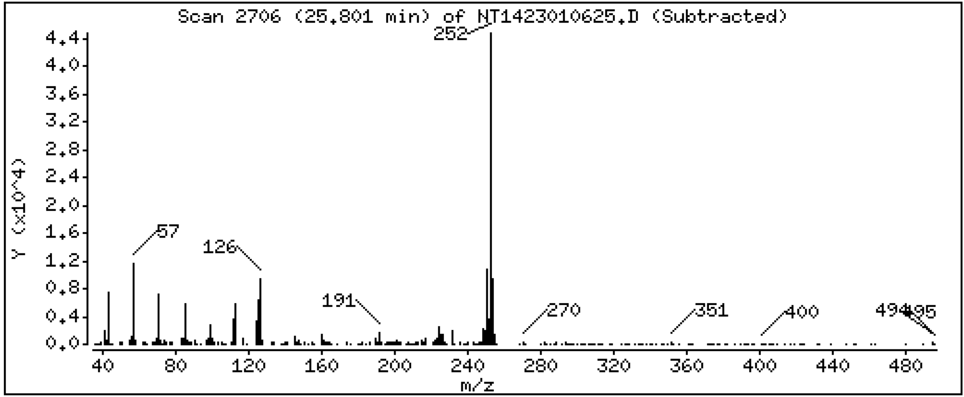
Operator: VTS

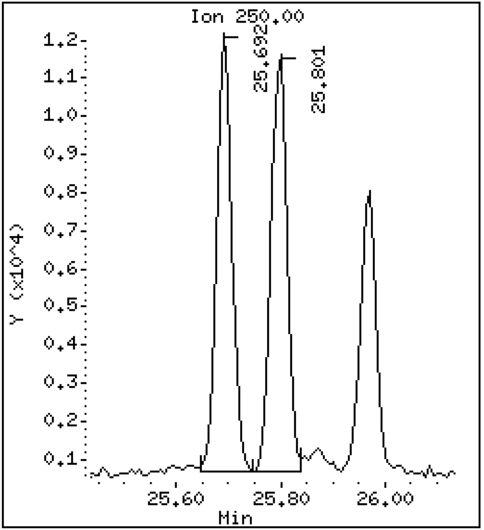
Column phase: ZB-5msi Column diameter: 0.25

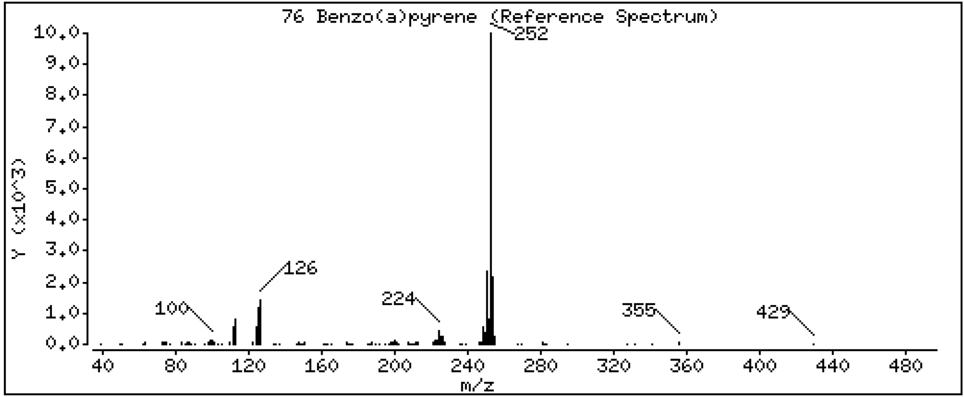
76 Benzo(a)pyrene Concentration: 1.164 ug/mL

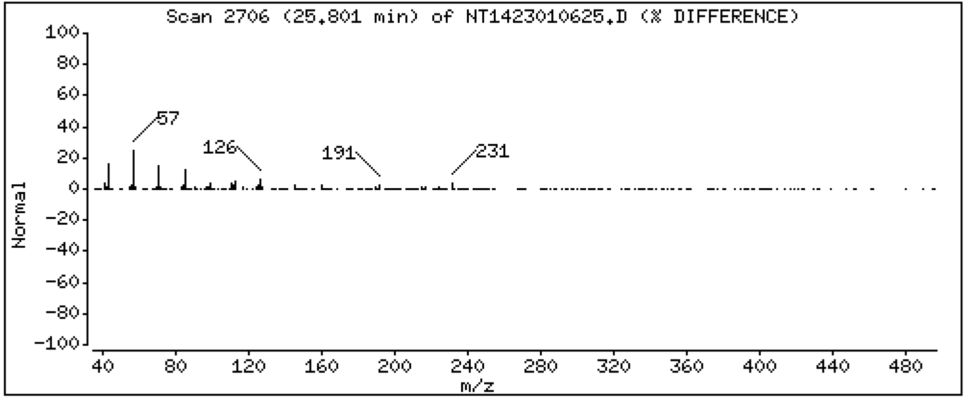


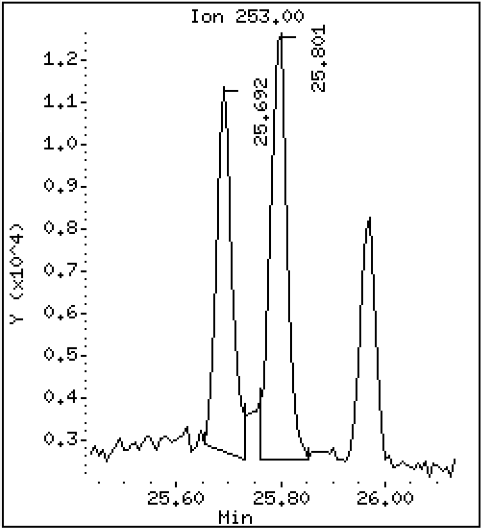












Data File: \\target\share\chem3\nt14.i\20230106.b\NT1423010625.D

Date : 07-JAN-2023 02:03

Client ID:

Instrument: nt14.i

Sample Info: 22L0307-35

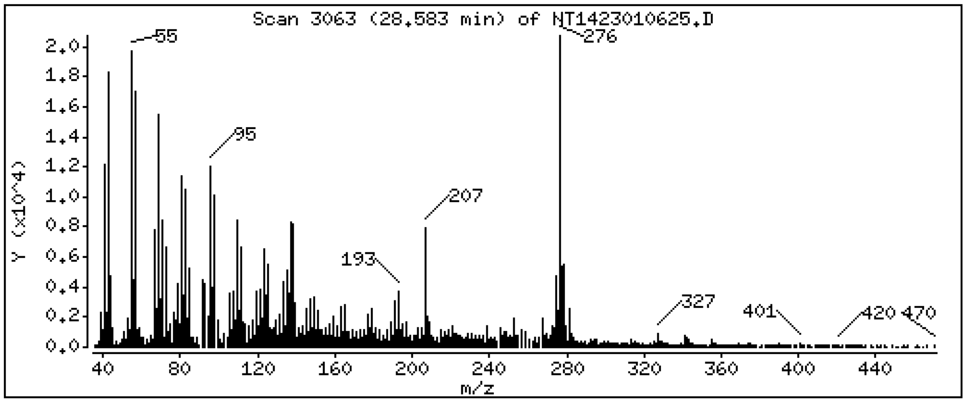
Operator: VTS

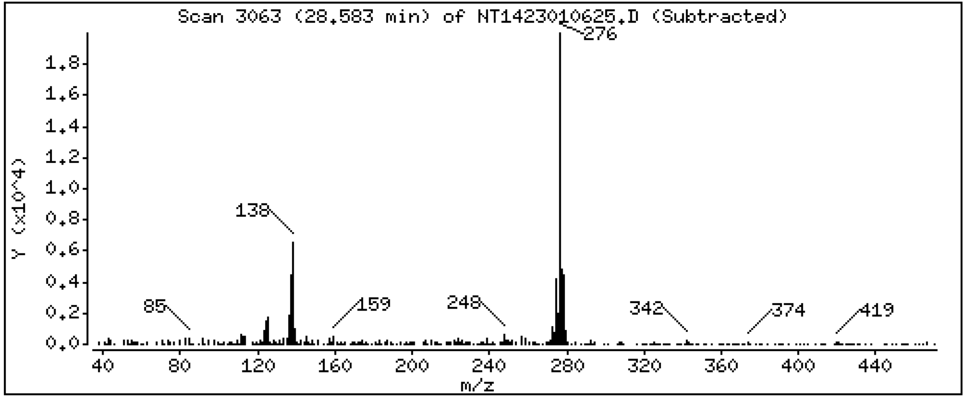
Column phase: ZB-5msi

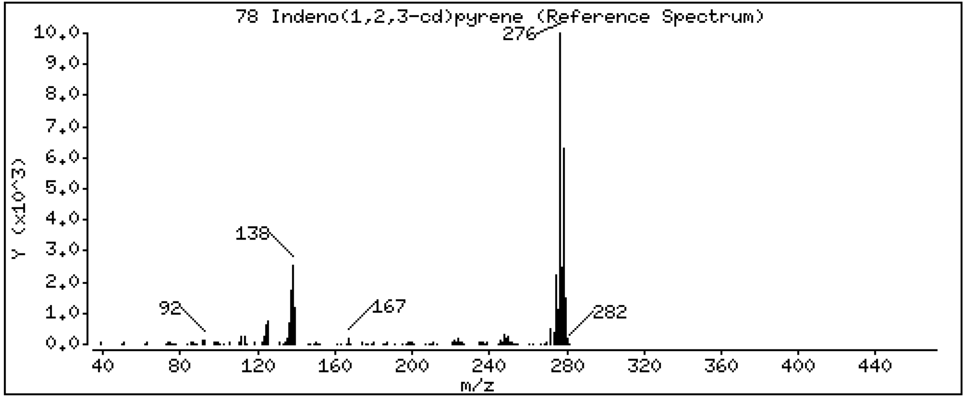
Column diameter: 0.25

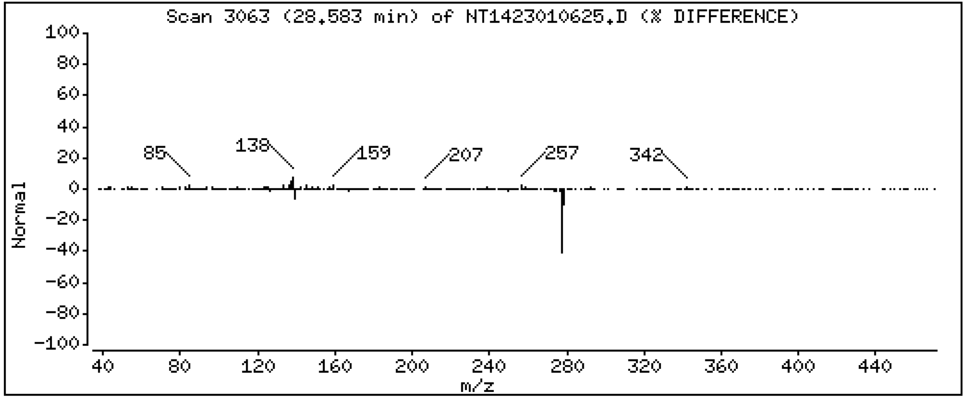
78 Indeno(1,2,3-cd)pyrene

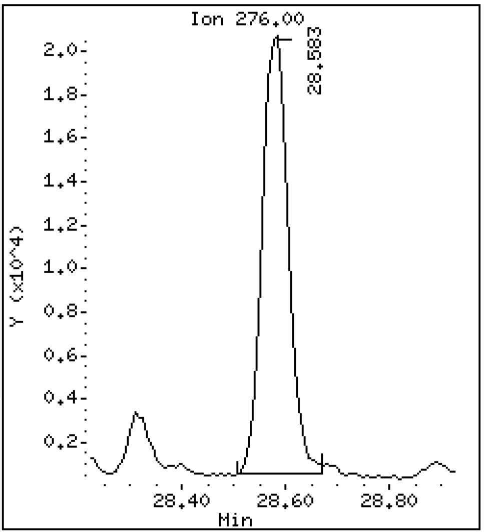
Concentration: 0.7419 ug/mL

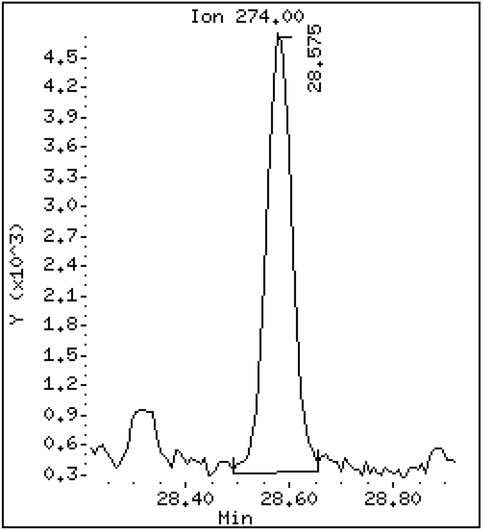

Scan 3063 (28.583 min) of NT1423010625.D

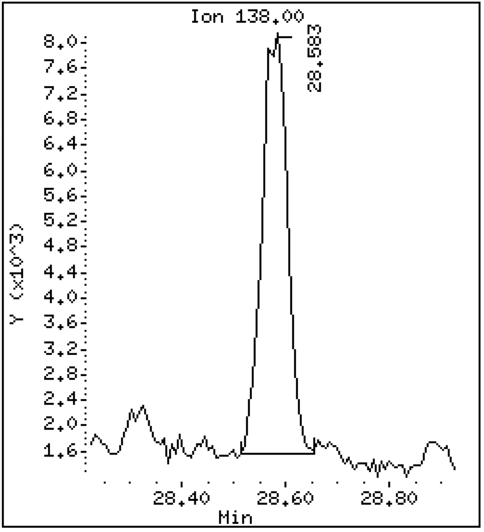

Scan 3063 (28.583 min) of NT1423010625.D (Subtracted)


78 Indeno(1,2,3-cd)pyrene (Reference Spectrum)


Scan 3063 (28.583 min) of NT1423010625.D (% DIFFERENCE)


Ion 276.00


Ion 274.00


Ion 138.00

Data File: \\target\share\chem3\nt14.i\20230106.b\NT1423010625.D

Date : 07-JAN-2023 02:03

Client ID:

Instrument: nt14.i

Sample Info: 22L0307-35

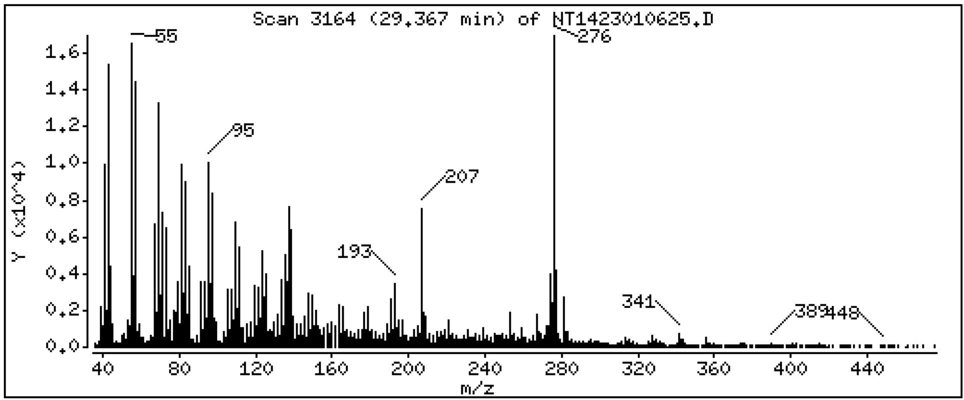
Operator: VTS

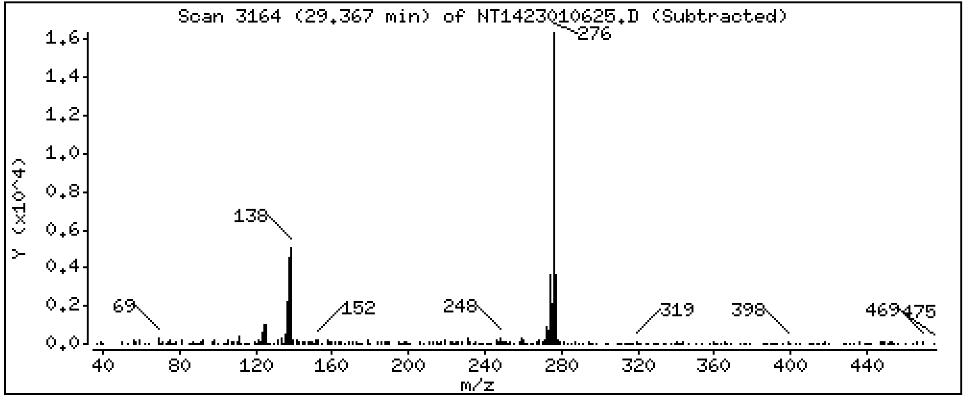
Column phase: ZB-5msi

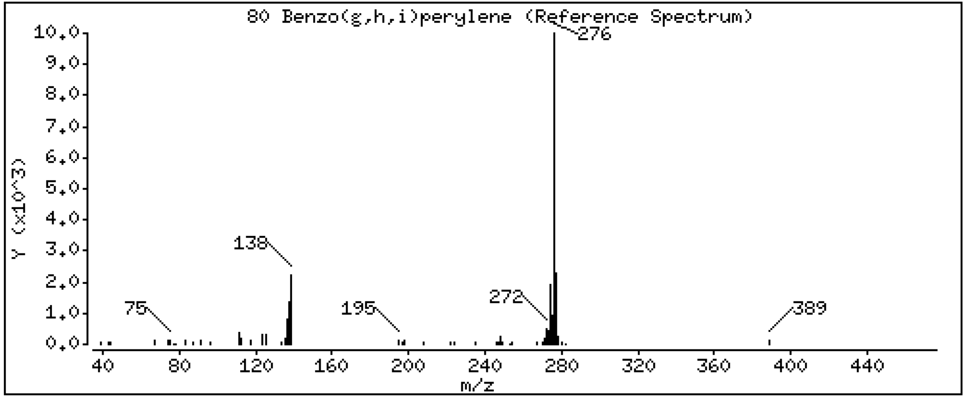
Column diameter: 0.25

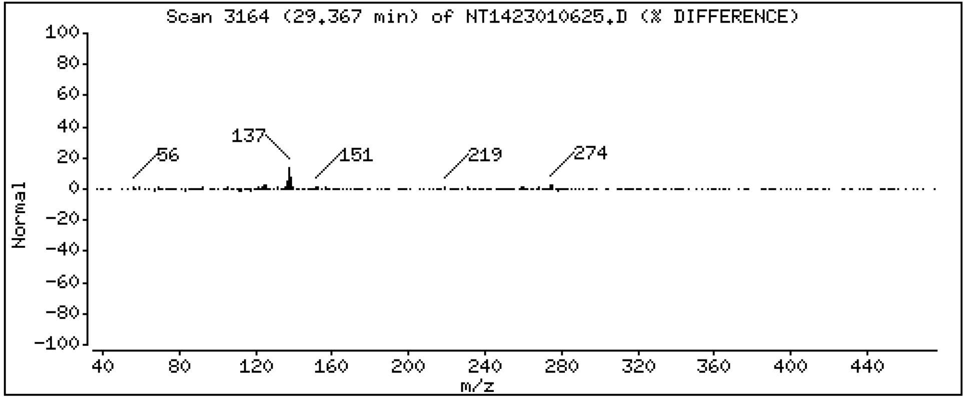
80 Benzo(g,h,i)perylene

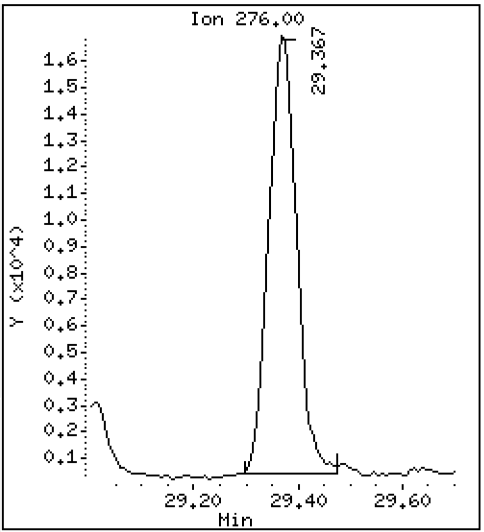
Concentration: 0.7809 ug/mL

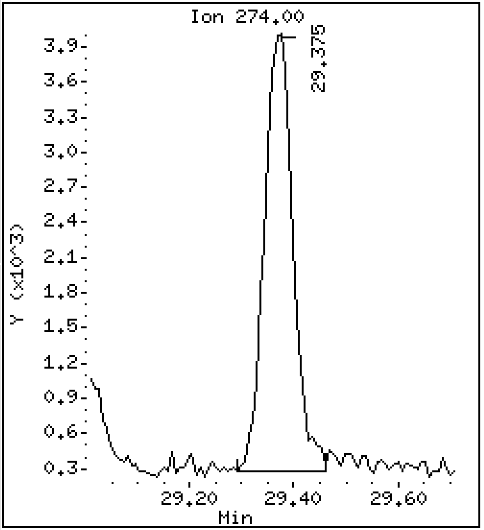


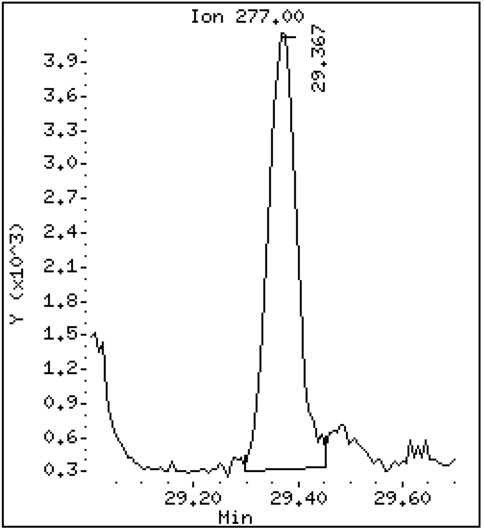












Data File: \\target\share\chem3\nt14.i\20230106.b\NT1423010625.D

Date : 07-JAN-2023 02:03

Client ID:

Instrument: nt14.i

Sample Info: 22L0307-35

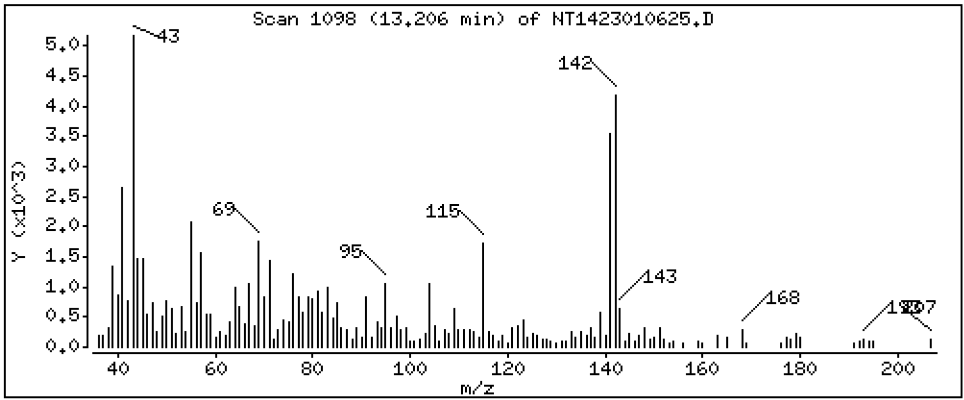
Operator: VTS

Column phase: ZB-5msi

Column diameter: 0.25

105 1-methylnaphthalene

Concentration: 0.08042 ug/mL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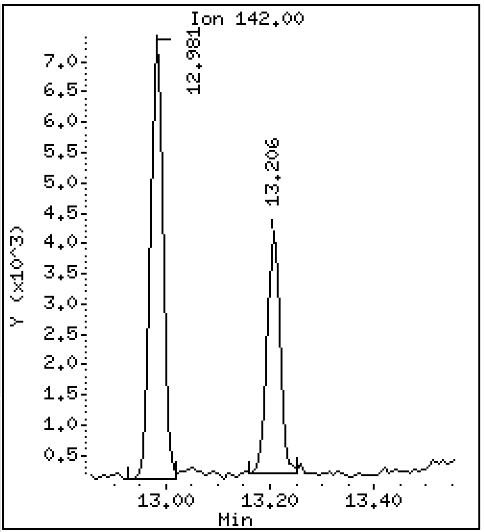
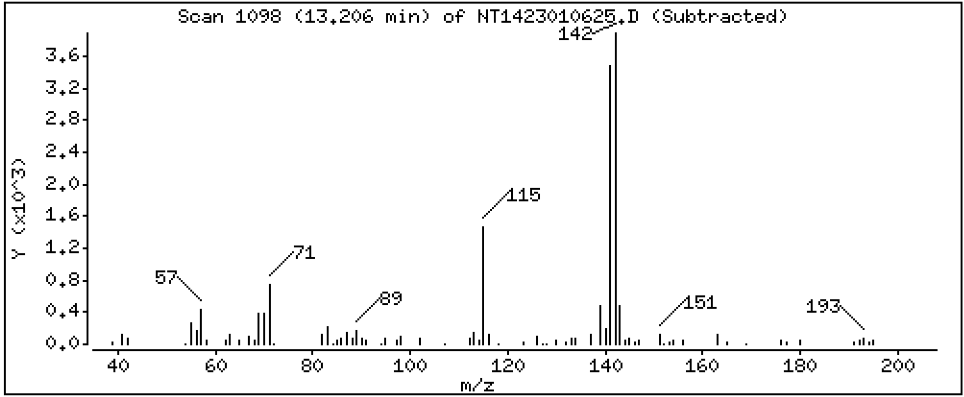

Ion 142.00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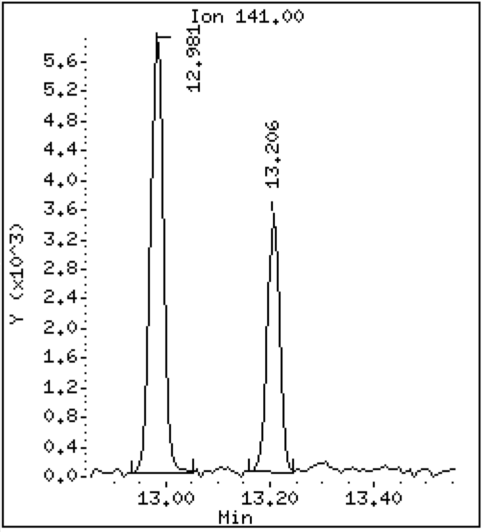
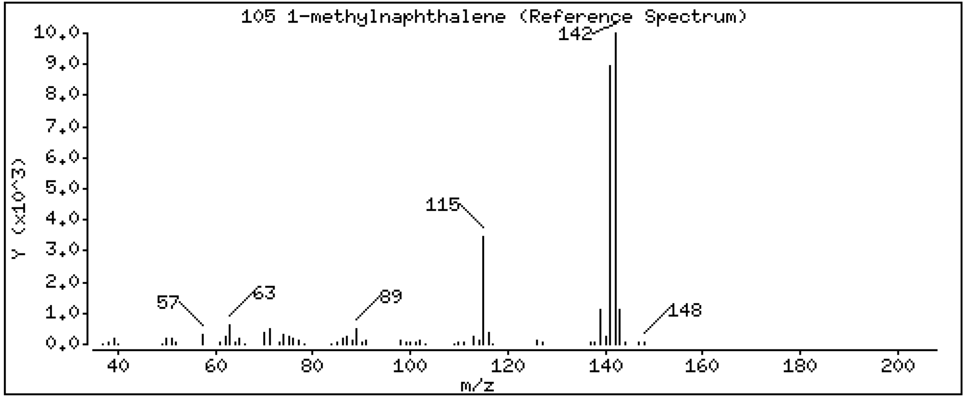
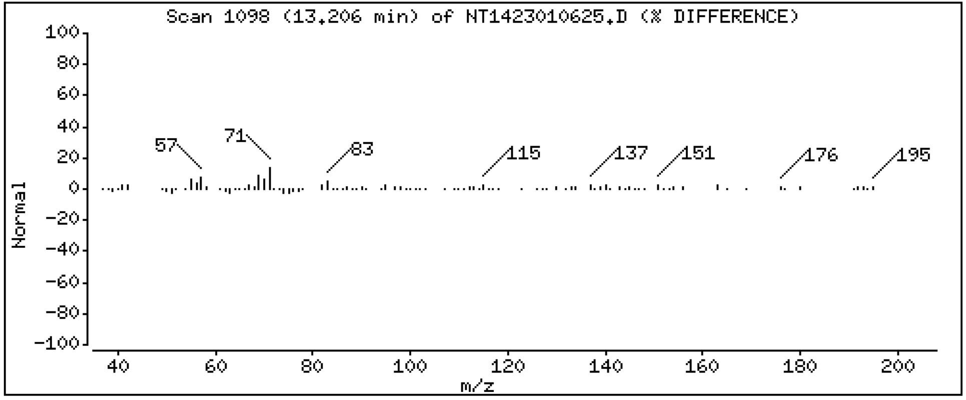

Ion 141.00


105 1-methylnaphthalene (Reference Spectrum)


Scan 1098 (13.206 min) of NT1423010625.D (% DIFFERENCE)

Data File: \\target\share\chem3\nt14.i\20230106.b\NT1423010625.D

Date : 07-JAN-2023 02:03

Client ID:

Instrument: nt14.i

Sample Info: 22L0307-35

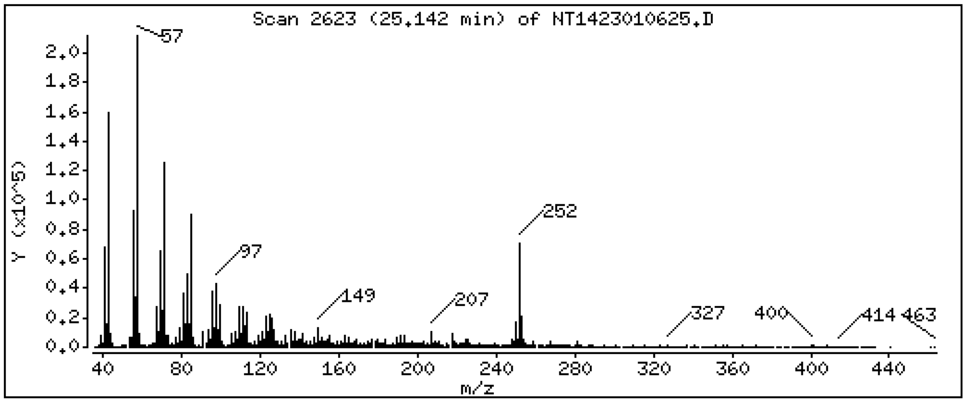
Operator: VTS

Column phase: ZB-5msi

Column diameter: 0.25

187 Total Benzofluoranthenes

Concentration: 2.538 ug/mL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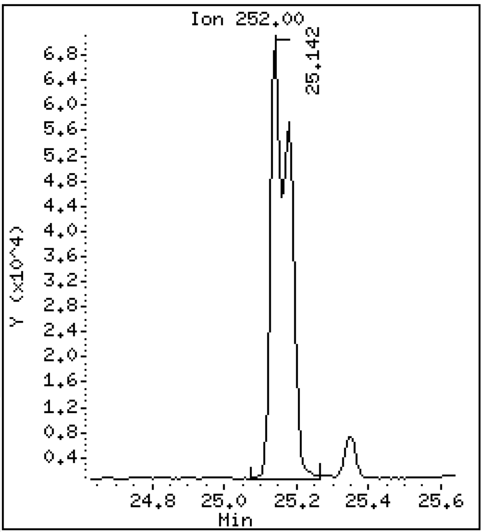
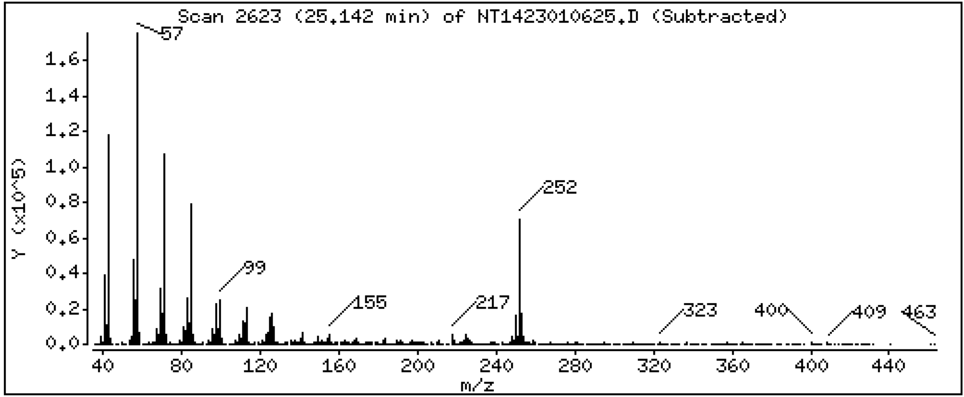
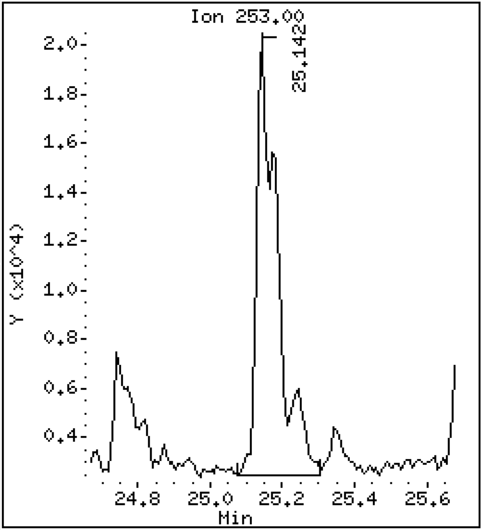
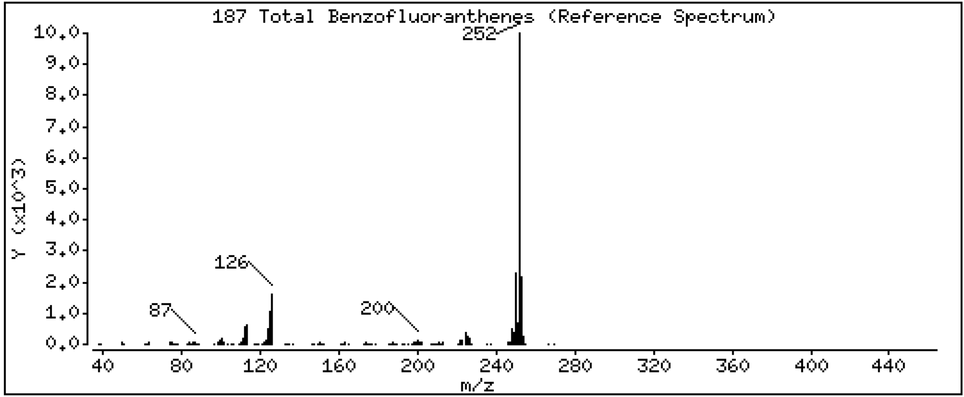
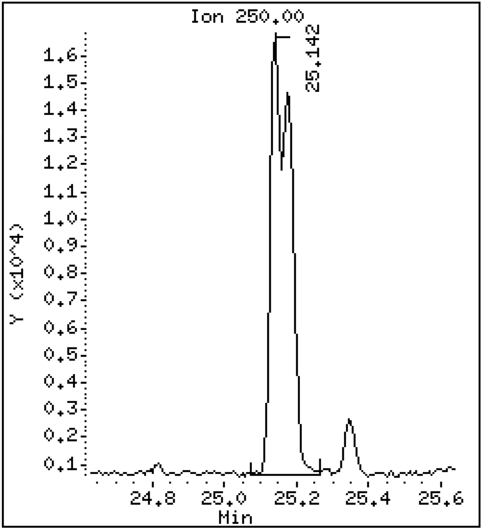
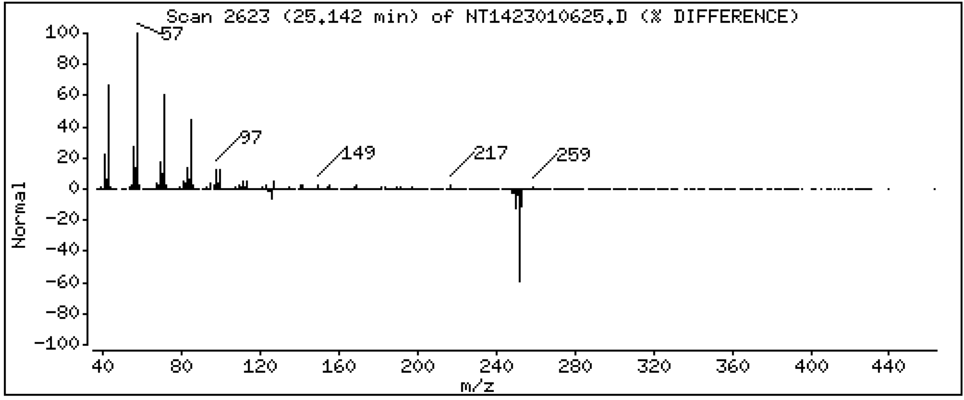

Ion 252.00


Scan 2623 (25.142 min) of NT1423010625.D (Subtracted)


Ion 253.00


187 Total Benzofluoranthenes (Reference Spectrum)


Ion 250.00


Scan 2623 (25.142 min) of NT1423010625.D (% DIFFERENCE)

```
                                   ARI Labs, Inc.

                       Semivolatile Report SW846 Method 8270D
Data file : \\target\share\chem3\nt14.i\20230106.b\NT1423010625.D
Lab Smp Id: 22L0307-35
Inj Date  : 07-JAN-2023 02:03           MS Autotune Date: 17-MAY-2011 01:22
Operator  : VTS                         Inst ID: nt14.i
Smp Info  : 22L0307-35
Misc Info :
Comment   : 1ul Injection
Method    : \\target\share\chem3\nt14.i\20230106.b\ABN.m
Meth Date : 12-Jan-2023 08:12 van       Quant Type: ISTD
Cal Date  : 30-DEC-2022 11:07           Cal File: NT1422123007.D
Als bottle: 22
Dil Factor: 1.00000
Integrator: HP RTE                      Compound Sublist: ICAL.sub
Target Version:  4.14
Processing Host: VANS-201906


                                                                                              CONCENTRATIONS
                                     QUANT SIG                                             ON-COLUMN    FINAL
Compounds                              MASS          RT   EXP RT   REL RT  RESPONSE         (ug/mL)     (ug/mL)
==========================             ====        ==== ======== ======== ========        =======     =======
$   1 2-Fluorophenol                    112        6.826   6.811 (0.755)     217429        5.46090       5.461
$   2 Phenol-d5                          99        8.410   8.403 (0.931)     282848        5.74838       5.748
    3 Phenol                             94        8.433   8.426 (0.933)      20261        0.36238      0.3624
$   5 2-Chlorophenol-d4                 132        8.681   8.673 (0.961)     235356        5.69534       5.695
    4 Bis(2-Chloroethyl)ether            93           Compound Not Detected.
    6 2-Chlorophenol                    128        8.449   8.704 (0.935)       2433        0.05361     0.05361
    7 1,3-Dichlorobenzene               146           Compound Not Detected.
*   8 1,4-Dichlorobenzene-d4            152        9.037   9.037 (1.000)     124279        4.00000
    9 1,4-Dichlorobenzene               146           Compound Not Detected.
$  10 1,2-Dichlorobenzene-d4            152        9.401   9.401 (1.040)     103577        3.66719       3.667
   12 1,2-Dichlorobenzene               146           Compound Not Detected.
   11 Benzyl alcohol                    108           Compound Not Detected.
   14 2,2'-oxybis(1-Chloropropane)      121           Compound Not Detected.
   13 2-Methylphenol                    108           Compound Not Detected.
   17 Hexachloroethane                  117           Compound Not Detected.
   16 N-Nitroso-di-n-propylamine         70       10.131   9.867 (1.121)      24631        0.99524      0.9952
   15 4-Methylphenol                    108           Compound Not Detected.
$  18 Nitrobenzene-d5                    82       10.131  10.131 (0.878)     186691        4.75254       4.753
   19 Nitrobenzene                       77           Compound Not Detected.
   20 Isophorone                         82           Compound Not Detected.
   21 2-Nitrophenol                     139           Compound Not Detected.
   22 2,4-Dimethylphenol                107           Compound Not Detected.
   23 Bis(2-Chloroethoxy)methane         93           Compound Not Detected.
   24 Benzoic acid                      105           Compound Not Detected.
   25 2,4-Dichlorophenol                162           Compound Not Detected.
   26 1,2,4-Trichlorobenzene            180           Compound Not Detected.
*  27 Naphthalene-d8                    136       11.542  11.534 (1.000)     465188        4.00000
   28 Naphthalene                       128       11.581  11.581 (1.003)      23282        0.20337      0.2034
   29 4-Chloroaniline                   127           Compound Not Detected.
   30 Hexachlorobutadiene               225           Compound Not Detected.
   31 4-Chloro-3-methylphenol           107           Compound Not Detected.
   32 2-Methylnaphthalene               142       12.981  12.981 (1.125)      11624        0.13842      0.1384
   33 Hexachlorocyclopentadiene         237           Compound Not Detected.
```

Data File: \\target\share\chem3\nt14.i\20230106.b\NT1423010625.D Page 2
Report Date: 12-Jan-2023 08:14

```
                                                                                      CONCENTRATIONS
                                      QUANT SIG                                     ON-COLUMN   FINAL
Compounds                               MASS       RT    EXP RT   REL RT  RESPONSE   (ug/mL)    (ug/mL)
==========================              ====      ==== ======== ======== ========    =======    =======
   34 2,4,6-Trichlorophenol              196          Compound Not Detected.
   35 2,4,5-Trichlorophenol              196          Compound Not Detected.
$  36 2-Fluorobiphenyl                  172      13.770  13.770 (0.908)    356976    4.64483      4.645
   37 2-Chloronaphthalene                162          Compound Not Detected.
   38 2-Nitroaniline                      65          Compound Not Detected.
   39 Dimethylphthalate                 163      14.668  14.668 (0.967)     25632    0.39762     0.3976(H)
   40 Acenaphthylene                    152      14.854  14.853 (0.979)      5624    0.05641    0.05641
   41 2,6-Dinitrotoluene                 165          Compound Not Detected.
*  42 Acenaphthene-d10                  164      15.171  15.171 (1.000)    228583    4.00000
   43 3-Nitroaniline                     138          Compound Not Detected.
   44 Acenaphthene                      153      15.240  15.240 (1.005)      3997    0.06464    0.06464
   45 2,4-Dinitrophenol                  184          Compound Not Detected.
   46 Dibenzofuran                      168      15.565  15.565 (1.026)      7106    0.07664    0.07664
   47 4-Nitrophenol                      109          Compound Not Detected.
   48 2,4-Dinitrotoluene                 165          Compound Not Detected.
   50 Diethylphthalate                  149      16.129  16.137 (1.063)     10307    0.11763     0.1176
   49 Fluorene                          166      16.276  16.284 (1.073)      7550    0.07654    0.07654
   51 4-Chlorophenyl-phenylether         204          Compound Not Detected.
   52 4-Nitroaniline                     138          Compound Not Detected.
   53 4,6-Dinitro-2-methylphenol         198          Compound Not Detected.
   54 N-Nitrosodiphenylamine             169          Compound Not Detected.
$  55 2,4,6-Tribromophenol              330      16.816  16.816 (1.108)     73424    6.61835      6.618
   56 4-Bromophenyl-phenylether          248          Compound Not Detected.
   57 Hexachlorobenzene                  284          Compound Not Detected.
   58 Pentachlorophenol                  266          Compound Not Detected.
*  59 Phenanthrene-d10                  188      18.223  18.215 (1.000)    384846    4.00000
   60 Phenanthrene                      178      18.269  18.269 (1.003)     80315    0.80042     0.8004
   61 Anthracene                        178      18.362  18.362 (1.008)     17106    0.17858     0.1786
   62 Carbazole                         167      18.694  18.687 (1.026)     10779    0.11640     0.1164
   63 Di-n-butylphthalate               149      19.499  19.491 (1.070)     20352    0.19470     0.1947
   64 Fluoranthene                      202      20.691  20.652 (0.889)    142717    1.60519      1.605
   65 Pyrene                            202      21.093  21.077 (0.906)    204165    2.18402      2.184
$  66 Terphenyl-d14                     244      21.371  21.364 (0.918)    344363    5.19527      5.195
   67 Butylbenzylphthalate              149      22.293  22.285 (0.958)     29686    0.84006     0.8401
   68 Benzo(a)anthracene                228      23.253  23.245 (0.999)     61992    0.74110     0.7411
*  69 Chrysene-d12                      240      23.276  23.276 (1.000)    276130    4.00000
   70 3,3'-Dichlorobenzidine             252          Compound Not Detected.
   71 Chrysene                          228      23.323  23.315 (1.002)     85832    1.08631      1.086
   72 bis(2-Ethylhexyl)phthalate        149      23.323  23.315 (0.960)    144811    2.29134      2.291
* 134 Di-n-octylphthalate-d4            153      24.306  24.298 (1.000)    569065    4.00000
   73 Di-n-octylphthalate                149          Compound Not Detected.
   74 Benzo(b)fluoranthene              252      25.142  25.134 (0.970)    131950    1.31186      1.312
   75 Benzo(k)fluoranthene              252      25.181  25.173 (0.972)    138999    1.35777      1.358(M)
   76 Benzo(a)pyrene                    252      25.800  25.785 (0.996)     97353    1.16431      1.164
*  77 Perylene-d12                      264      25.916  25.901 (1.000)    320050    4.00000
   78 Indeno(1,2,3-cd)pyrene            276      28.582  28.574 (1.103)     70522    0.74194     0.7419
   79 Dibenzo(a,h)anthracene             278          Compound Not Detected.
   80 Benzo(g,h,i)perylene              276      29.367  29.351 (1.133)     62181    0.78091     0.7809
   90 N-Nitrosodimethylamine              74          Compound Not Detected.
   91 Aniline                             93          Compound Not Detected.
   93 Benzidine                          184          Compound Not Detected.
  103 Pyridine                            79          Compound Not Detected.
  105 1-methylnaphthalene               142      13.205  13.205 (1.144)      6489    0.08042    0.08042
  111 Azobenzene (1,2-DP-Hydrazine)       77          Compound Not Detected.
```

```
                                                                                          CONCENTRATIONS
                                     QUANT SIG                                          ON-COLUMN    FINAL
Compounds                              MASS          RT    EXP RT   REL RT  RESPONSE     (ug/mL)    (ug/mL)
==========================             ====        ==== ======== ======== ========     =======    =======
  187 Total Benzofluoranthenes          252       25.142  25.134 (0.970)     246833    2.53834      2.538
  120 2,3,4,6-Tetrachlorophenol          232          Compound Not Detected.
```

```
QC Flag Legend

M - Compound response manually integrated.
H - Operator selected an alternate compound hit.
```

Data File: \\target\share\chem3\nt14.i\20230106.b\NT1423010625.D Page 1
Report Date: 12-Jan-2023 08:14

ARI Labs, Inc.

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: nt14.i
Lab File ID: NT1423010625.D
Lab Smp Id: 22L0307-35
Analysis Type: SV
Quant Type: ISTD
Operator: VTS
Method File: \\target\share\chem3\nt14.i\20230106.b\ABN.m
Misc Info:

Calibration Date: 06-JAN-2023
Calibration Time: 22:27
Level:
Sample Type:

Test Mode:
Use Last Continuing Calibrator.

		AREA LIMIT			
COMPOUND	STANDARD	LOWER	UPPER	SAMPLE	%DIFF
8 1,4-Dichlorobenze	114022	57011	228044	124279	9.00
27 Naphthalene-d8	420653	210327	841306	465188	10.59
42 Acenaphthene-d10	216802	108401	433604	228583	5.43
59 Phenanthrene-d10	366121	183061	732242	384846	5.11
69 Chrysene-d12	276883	138442	553766	276130	-0.27
134 Di-n-octylphthala	540641	270321	1081282	569065	5.26
77 Perylene-d12	308305	154153	616610	320050	3.81

		RT LIMIT			
COMPOUND	STANDARD	LOWER	UPPER	SAMPLE	%DIFF
8 1,4-Dichlorobenze	9.04	8.54	9.54	9.04	0.00
27 Naphthalene-d8	11.53	11.03	12.03	11.54	0.07
42 Acenaphthene-d10	15.17	14.67	15.67	15.17	0.00
59 Phenanthrene-d10	18.22	17.72	18.72	18.22	0.04
69 Chrysene-d12	23.28	22.78	23.78	23.28	0.00
134 Di-n-octylphthala	24.30	23.80	24.80	24.31	0.03
77 Perylene-d12	25.90	25.40	26.40	25.92	0.06

AREA UPPER LIMIT = +100% of internal standard area.
AREA LOWER LIMIT = - 50% of internal standard area.
RT UPPER LIMIT = + 0.50 minutes of internal standard RT.
RT LOWER LIMIT = - 0.50 minutes of internal standard RT.

```
REVIEW SUMMARY FOR FILE - NT1423010625.D

Lab ID: 22L0307-35
nt14.i,  20230106.b\ABN.m,    07-JAN-2023 02:03


     RT      CO-ELUTION COMPOUNDS
---------------------------------------------------------------------------

            NO CO-ELUTIONS



Quant Method: ICAL




        RRT CHECK

   RRT    CCV RRT   DELTA    COMPOUND
 -------------------------------------

  0.935    0.963   -0.0282   2-Chlorophenol
  1.121    1.092    0.0292   N-Nitroso-di-n-propylamine

  RRT check based on Ccal File: NT1423010619.D



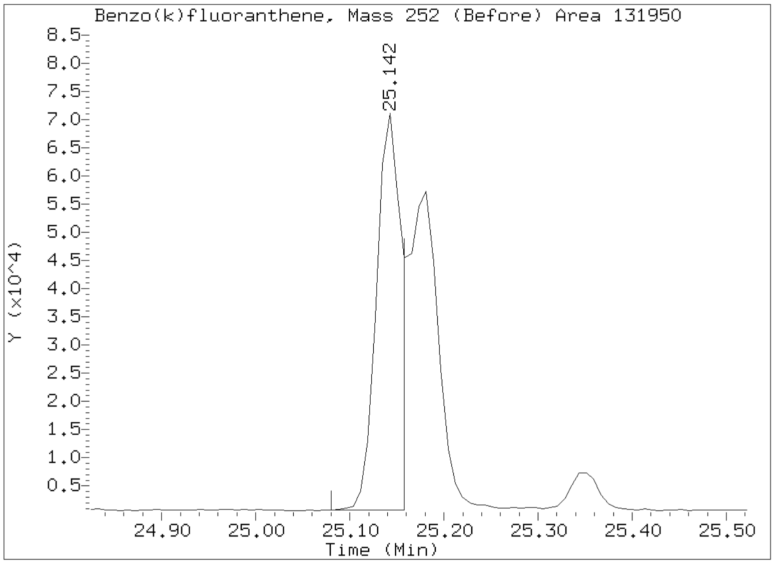
 On Column LOD for nt14.i, 20230106.b\ABN.m, ICAL.sub = 0.0000

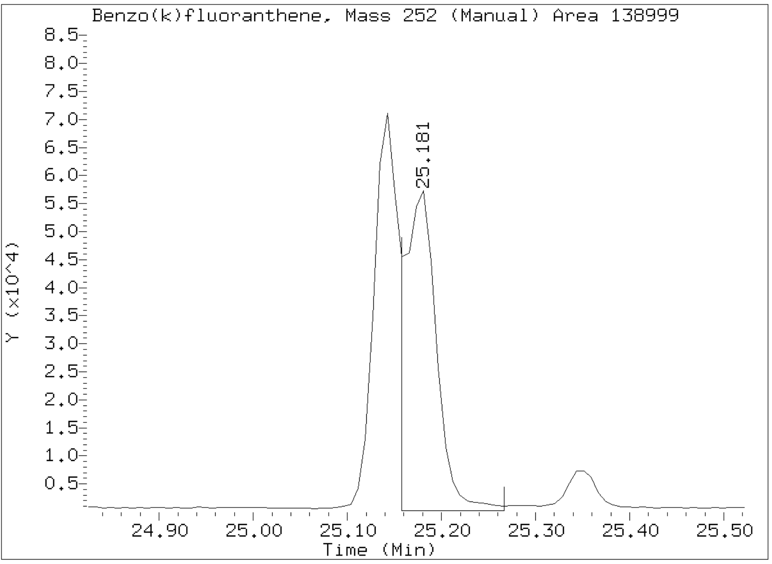



 * Only compounds listed in the work order have been verified by the analyst *
```

Quant Ion Manual Peak Adjustment Report

Datafile: //target/share/chem3/nt14.i/20230106.b/NT1423010625.D
Injection Date: 07-JAN-2023 02:03
Lab ID:22L0307-35 Client ID:
Report Date: 01/12/2023 08:14


Benzo(k)fluoranthene, Mass 252 (Before) Area 131950


Benzo(k)fluoranthene, Mass 252 (Manual) Area 138999

LDW22-SC804C

Form I
ORGANIC ANALYSIS DATA SHEET
EPA 8270E
Semivolatiles (20ug/kg - 0.2ug/L SepF)

Laboratory:	Analytical Resources, LLC				
Client:	Anchor QEA, LLC				
Project:	AOC4 UR Phase 3				
Matrix:	Sediment	Laboratory ID:	22L0307-36 B	SDG:	22L0307
Sampled:	12/12/22 11:18	Prepared:	12/27/22 11:08	File ID:	NT1423010626.D
% Solids:	78.89	Preparation:	EPA 3546 (Microwave)	Analyzed:	01/07/23 02:39
Batch:	BKL0585	Sequence:	SLA0068	Initial/Final:	12.71 g Wet / 1 mL
Instrument:	NT14	Column:	ZB-5MS	Calibration:	FL00066

CAS NO.	COMPOUND	DILUTION	CONC: (ug/kg dry)	Q	DL	RL
85-68-7	Butylbenzylphthalate	1	23.1	Q	9.4	19.9

SURROGATES	ADDED: (ug/kg dry)	FOUND: (ug/kg dry)	% REC	QC LIMITS	Q
p-Terphenyl-d14	498.66	523	105	37 - 120	

Data File: \\target\share\chem3\nt14.i\20230106.b\NT1423010626.D

Page 1

Date : 07-JAN-2023 02:39

Client ID:

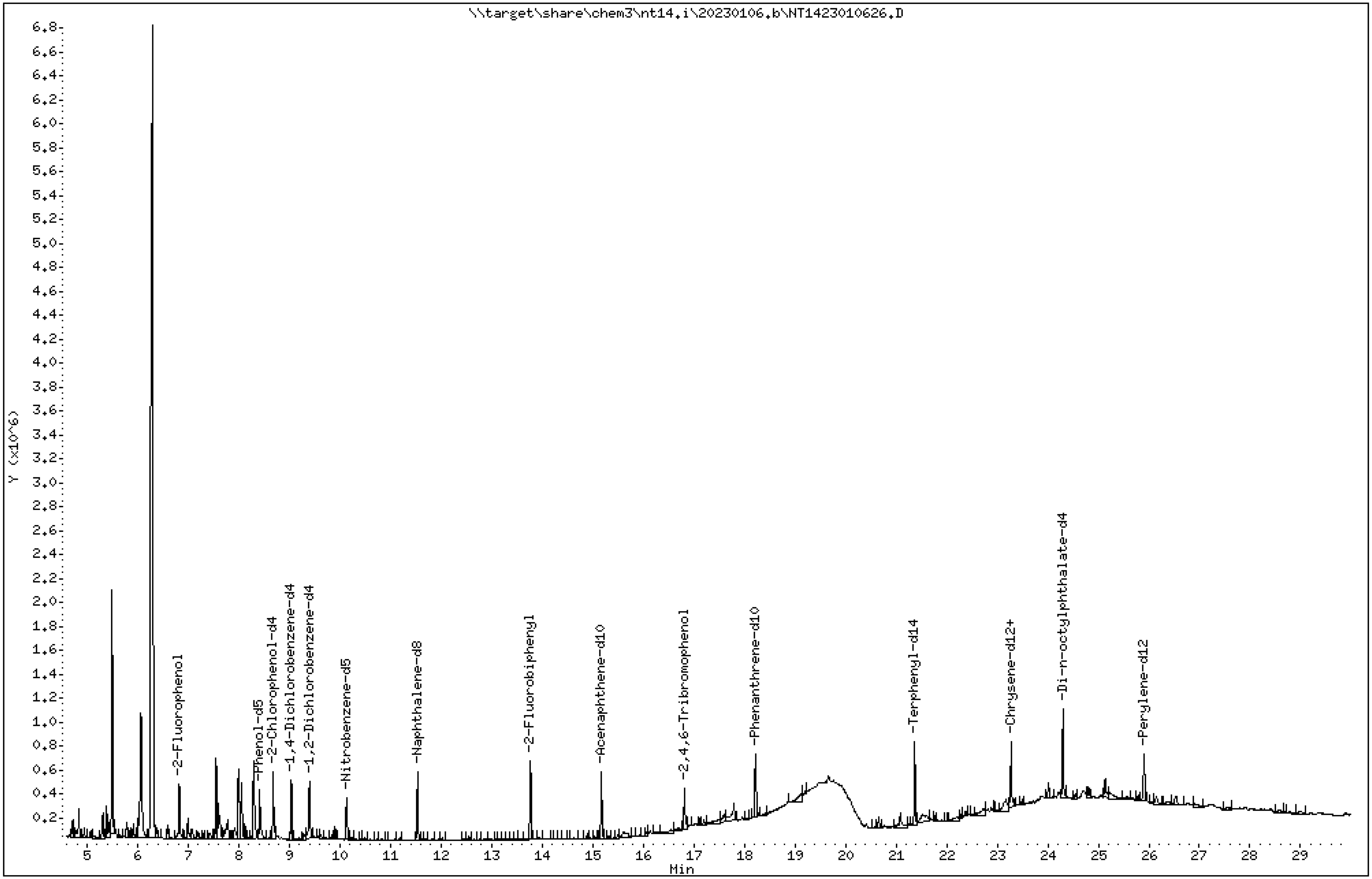
Instrument: nt14.i

Sample Info: 22L0307-36

Operator: VTS

Column phase: ZB-5msi

Column diameter: 0.25



Data File: \\target\share\chem3\nt14.i\20230106.b\NT1423010626.D Page 2

Date : 07-JAN-2023 02:39

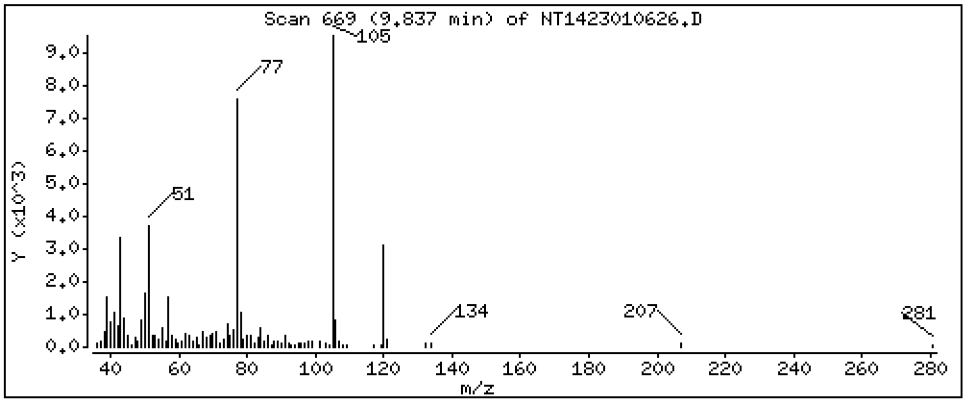
Client ID: Instrument: nt14.i

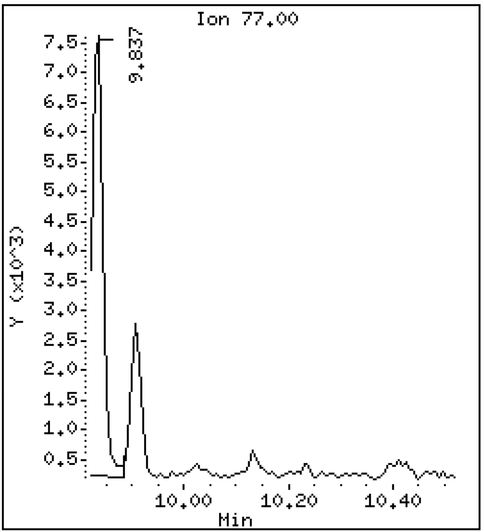
Sample Info: 22L0307-36

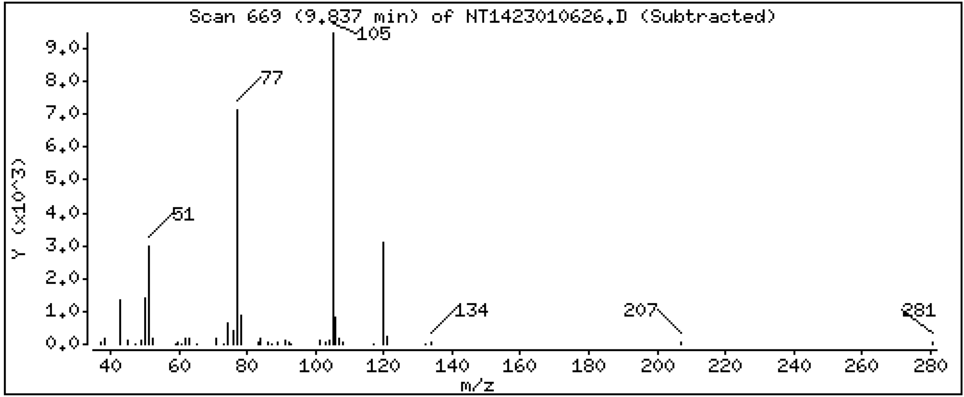
Operator: VTS

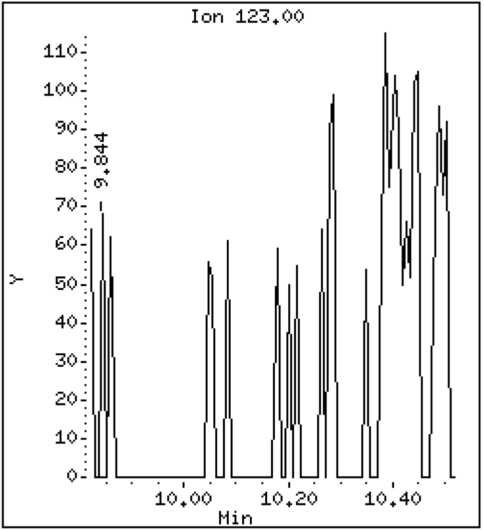
Column phase: ZB-5msi Column diameter: 0.25

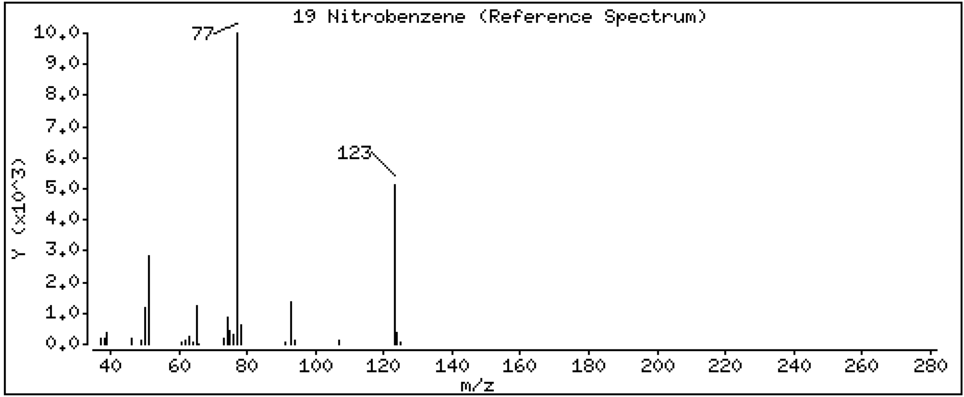
19 Nitrobenzene Concentration: 0.3287 ug/mL

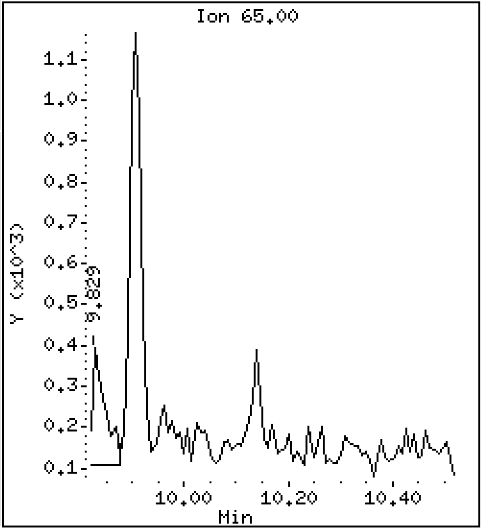


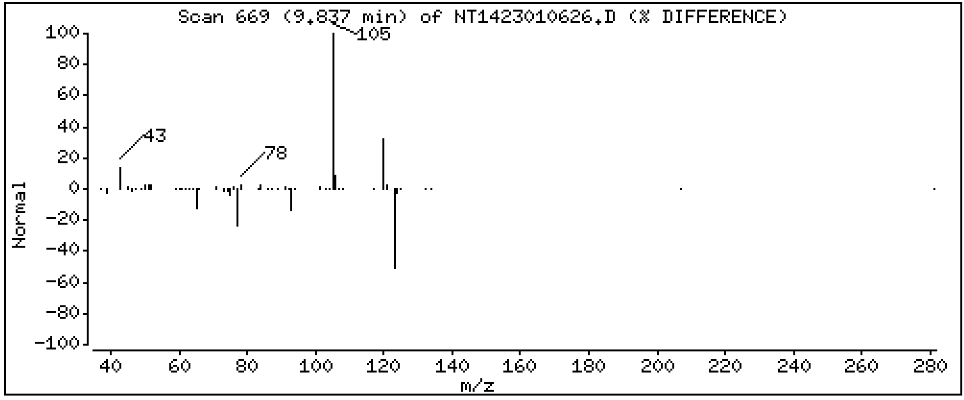












Data File: \\target\share\chem3\nt14.i\20230106.b\NT1423010626.D

Date : 07-JAN-2023 02:39

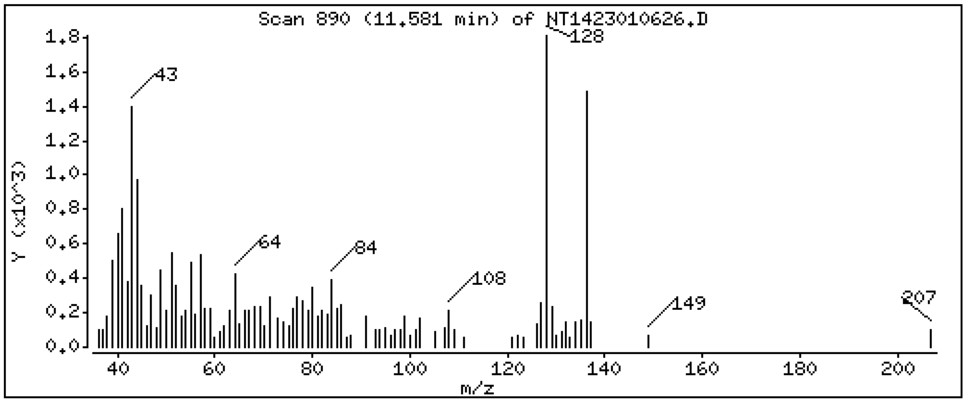
Client ID: Instrument: nt14.i

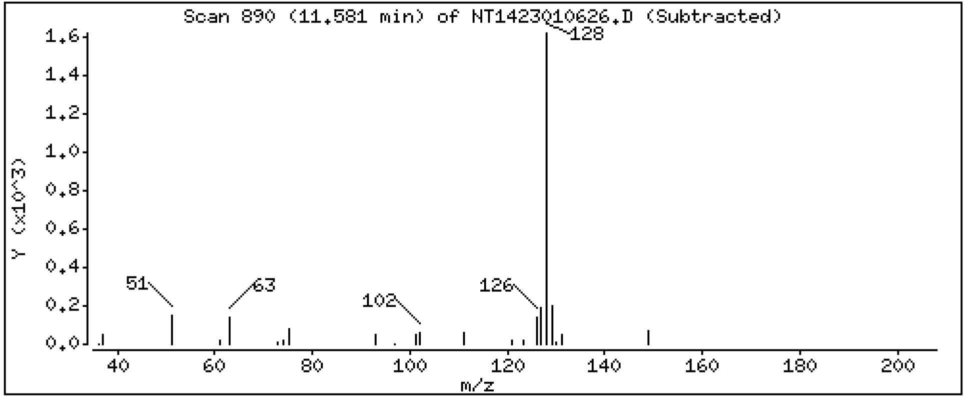
Sample Info: 22L0307-36

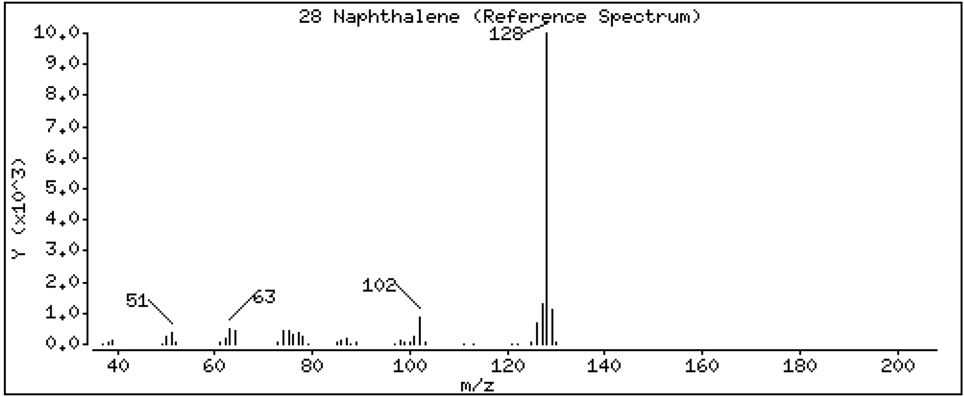
Operator: VTS

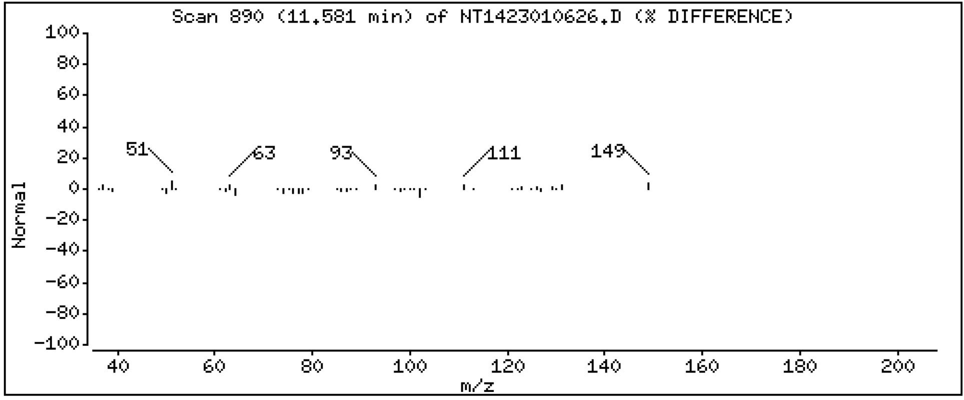
Column phase: ZB-5msi Column diameter: 0.25

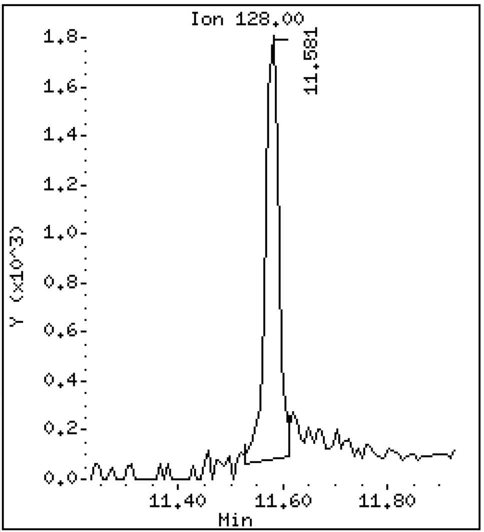
28 Naphthalene Concentration: 0.02806 ug/mL

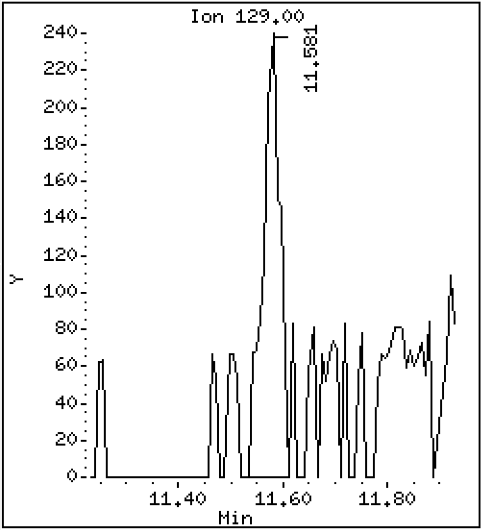

Scan 890 (11.581 min) of NT1423010626.D


Scan 890 (11.581 min) of NT1423010626.D (Subtracted)


28 Naphthalene (Reference Spectrum)


Scan 890 (11.581 min) of NT1423010626.D (% DIFFERENCE)


Ion 128.00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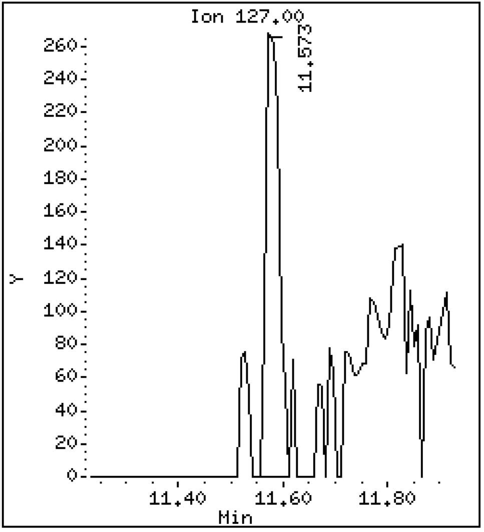

Ion 127.00

Data File: \\target\share\chem3\nt14.i\20230106.b\NT1423010626.D

Date : 07-JAN-2023 02:39

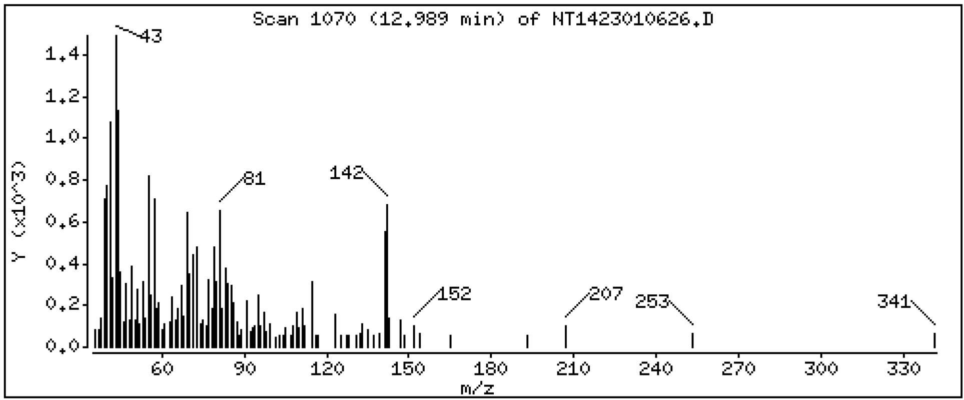
Client ID: Instrument: nt14.i

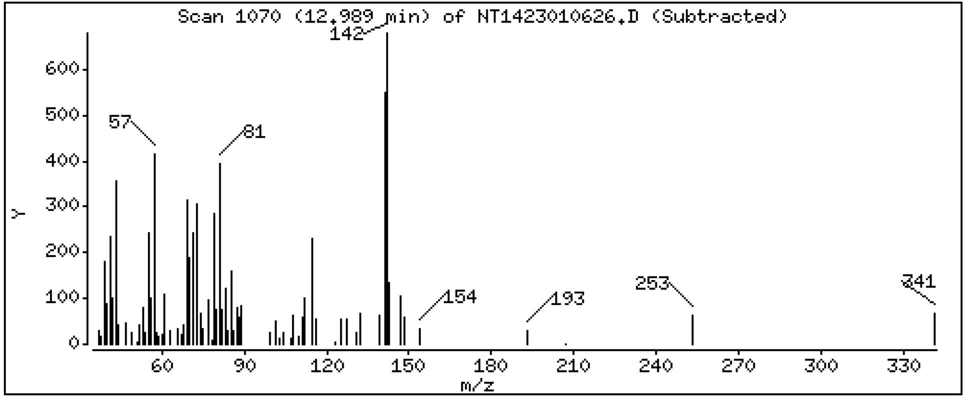
Sample Info: 22L0307-36

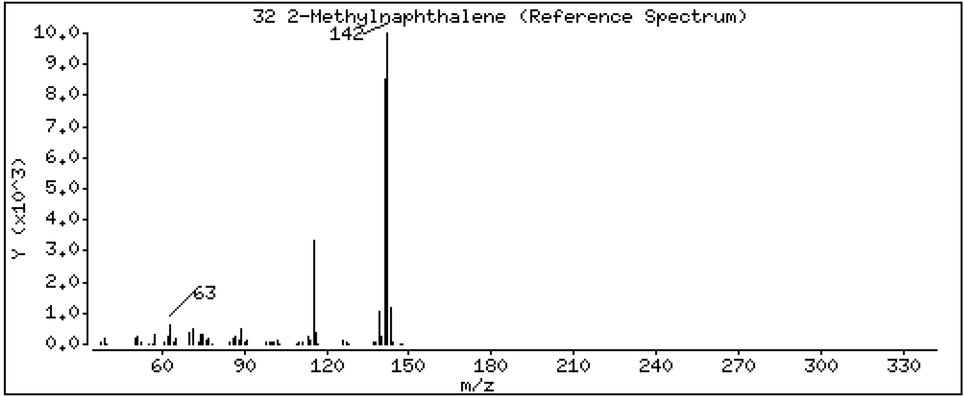
Operator: VTS

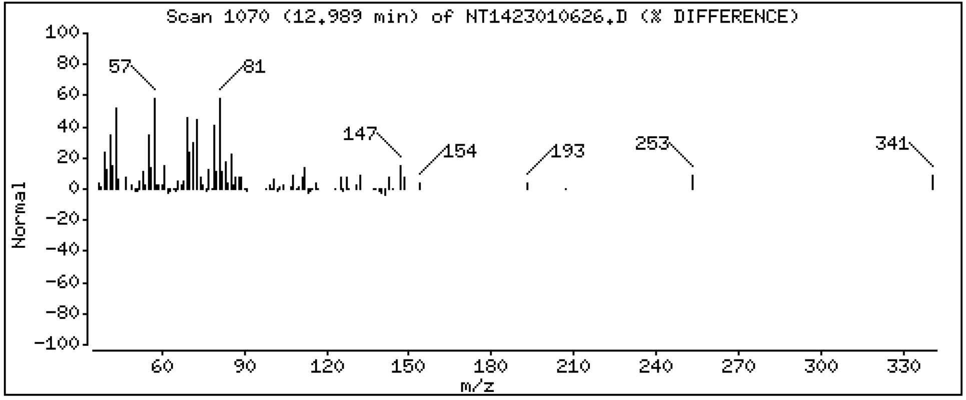
Column phase: ZB-5msi Column diameter: 0.25

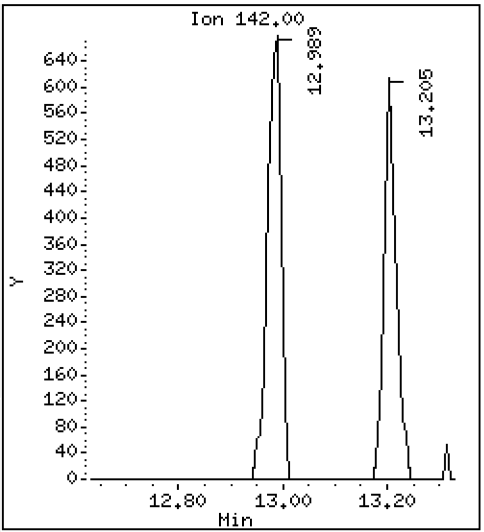
32 2-Methylnaphthalene Concentration: 0.01554 ug/mL

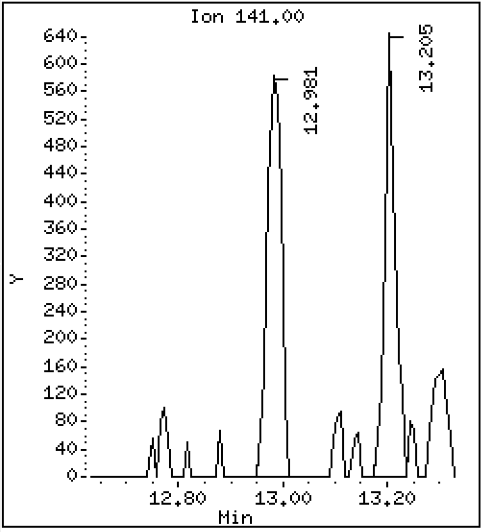

Scan 1070 (12.989 min) of NT1423010626.D


Scan 1070 (12.989 min) of NT1423010626.D (Subtracted)


32 2-Methylnaphthalene (Reference Spectrum)


Scan 1070 (12.989 min) of NT1423010626.D (% DIFFERENCE)


Ion 142.00


Ion 141.00

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Date : 07-JAN-2023 02:39

Client ID:

Instrument: nt14.i

Sample Info: 22L0307-36

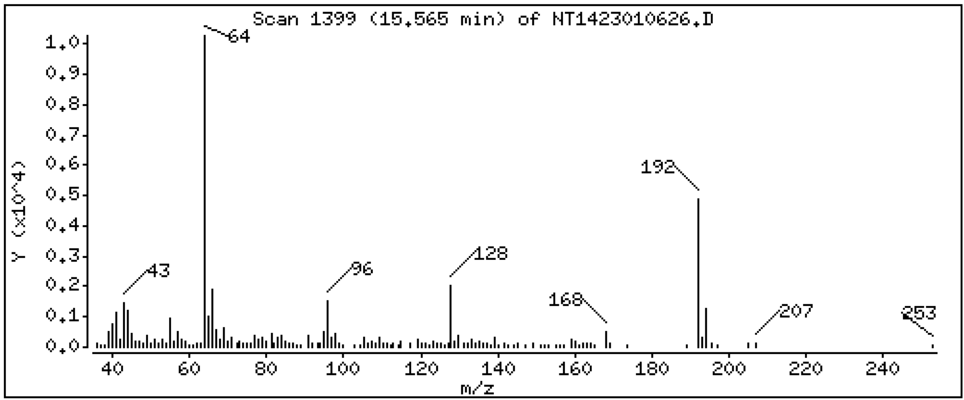
Operator: VTS

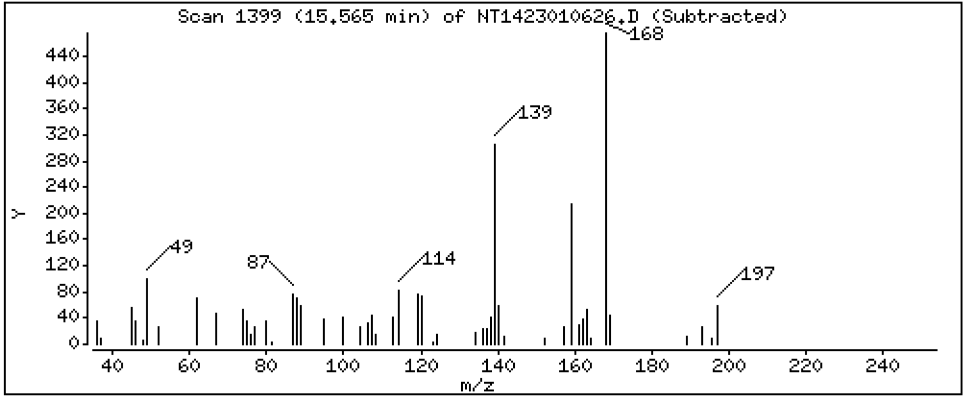
Column phase: ZB-5msi

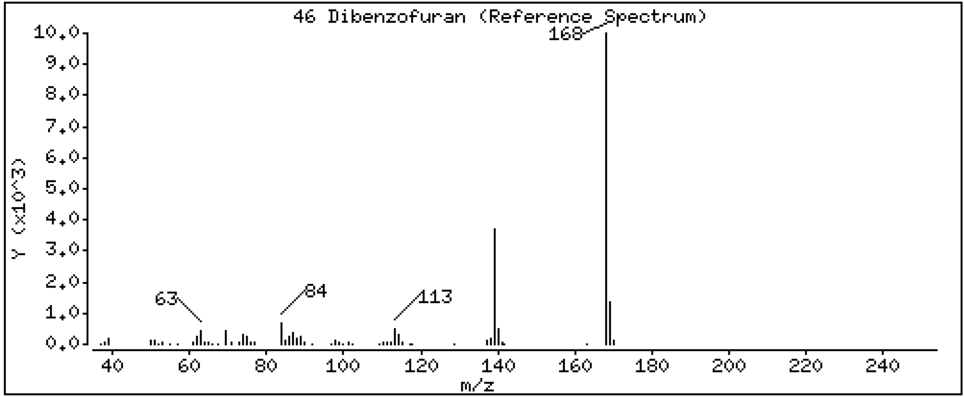
Column diameter: 0.25

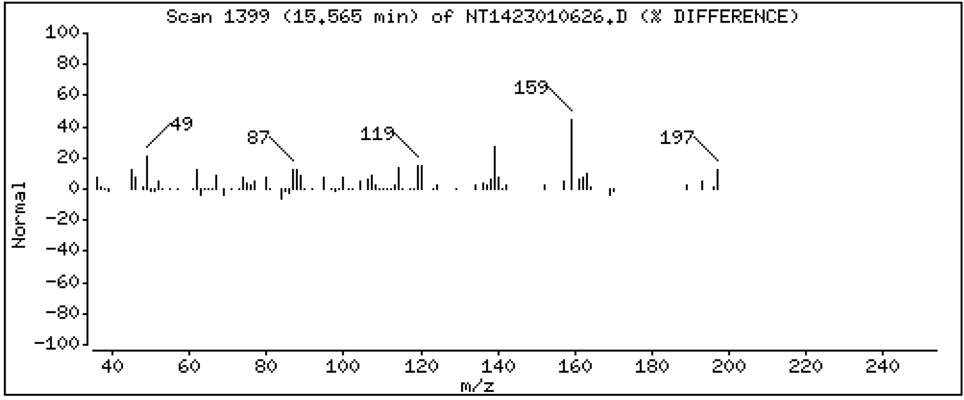
46 Dibenzofuran

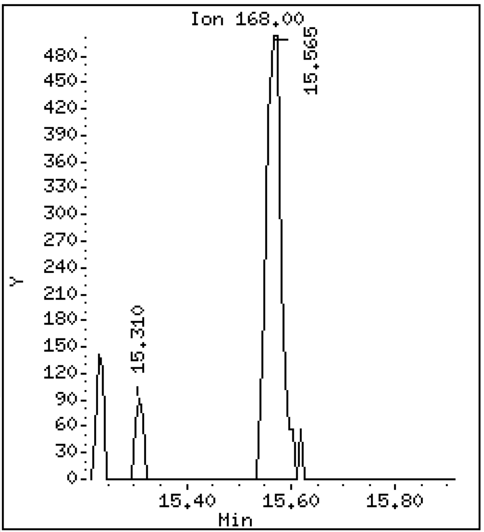
Concentration: 0.01200 ug/mL

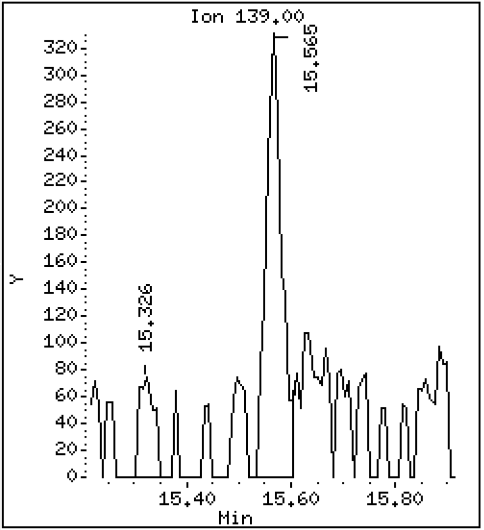

Scan 1399 (15.565 min) of NT1423010626.D

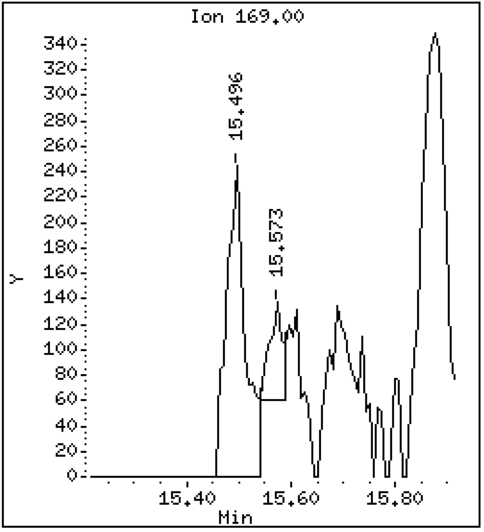

Scan 1399 (15.565 min) of NT1423010626.D (Subtracted)


46 Dibenzofuran (Reference Spectrum)


Scan 1399 (15.565 min) of NT1423010626.D (% DIFFERENCE)


Ion 168.00


Ion 139.00


Ion 169.00

Data File: \\target\share\chem3\nt14.i\20230106.b\NT1423010626.D

Date : 07-JAN-2023 02:39

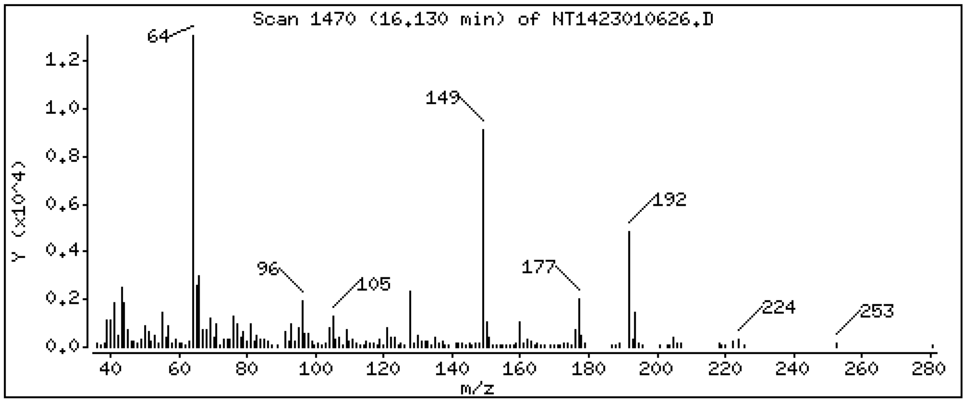
Client ID: Instrument: nt14.i

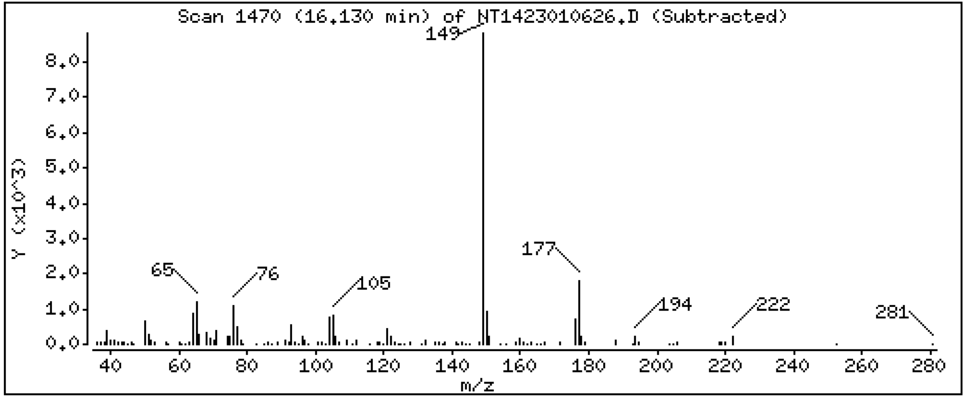
Sample Info: 22L0307-36

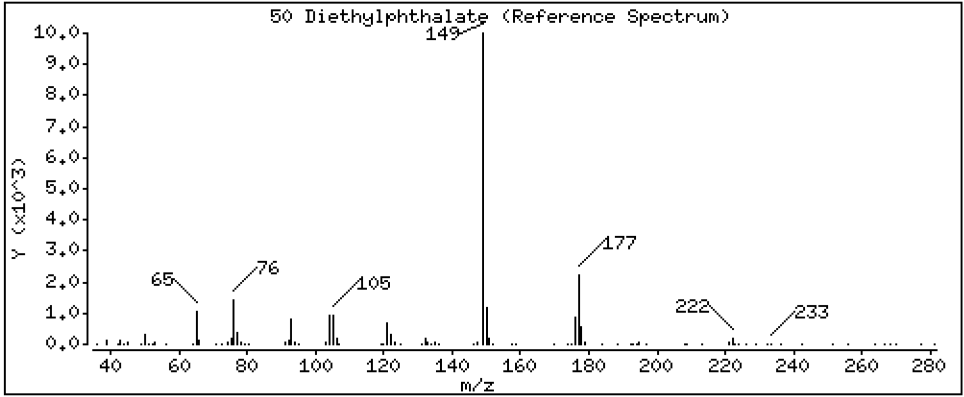
Operator: VTS

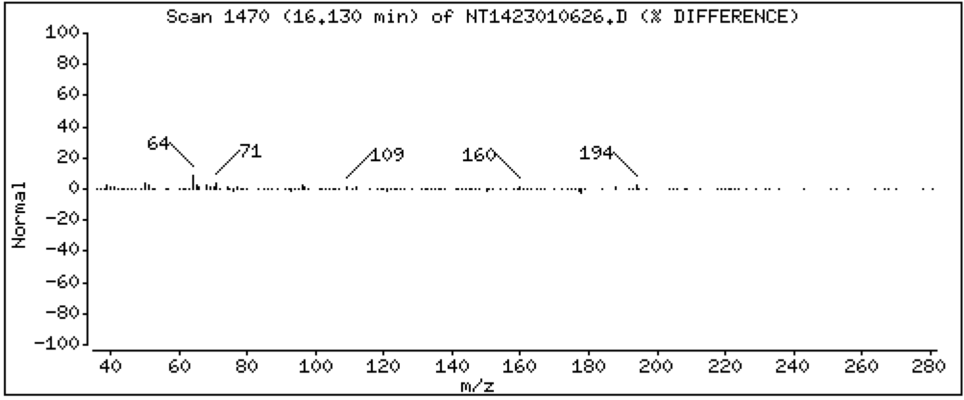
Column phase: ZB-5msi Column diameter: 0.25

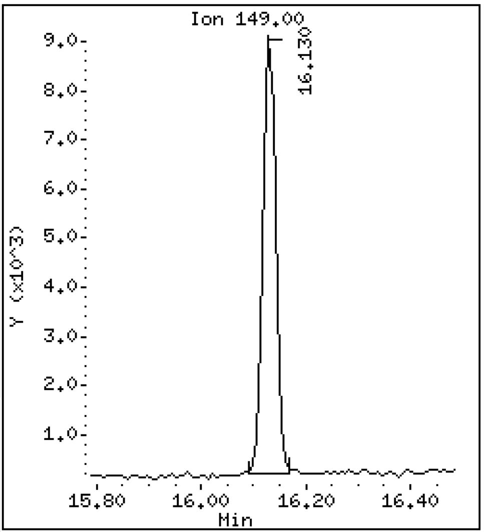
50 Diethylphthalate Concentration: 0.1820 ug/mL

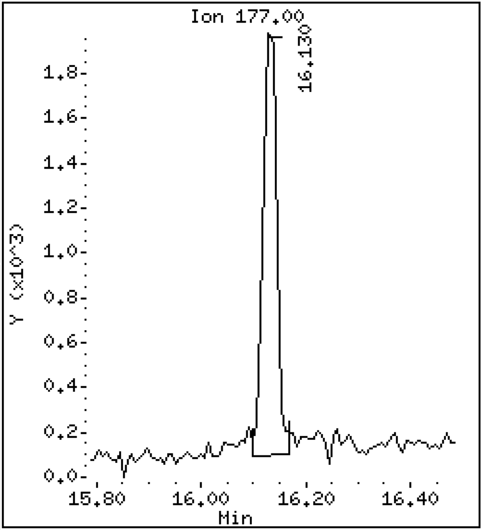

Scan 1470 (16.130 min) of NT1423010626.D

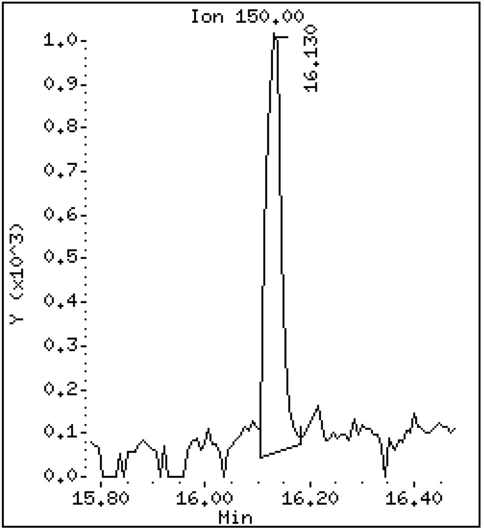

Scan 1470 (16.130 min) of NT1423010626.D (Subtracted)


50 Diethylphthalate (Reference Spectrum)


Scan 1470 (16.130 min) of NT1423010626.D (% DIFFERENCE)


Ion 149.00


Ion 177.00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Data File: \\target\share\chem3\nt14.i\20230106.b\NT1423010626.D

Date : 07-JAN-2023 02:39

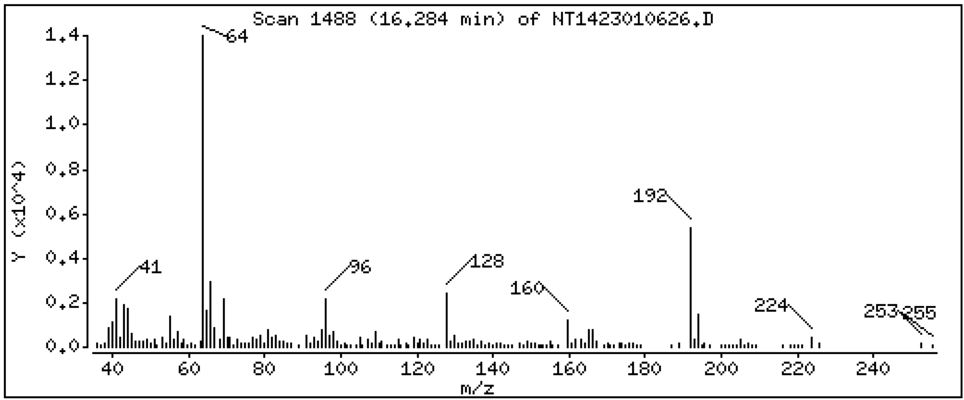
Client ID: Instrument: nt14.i

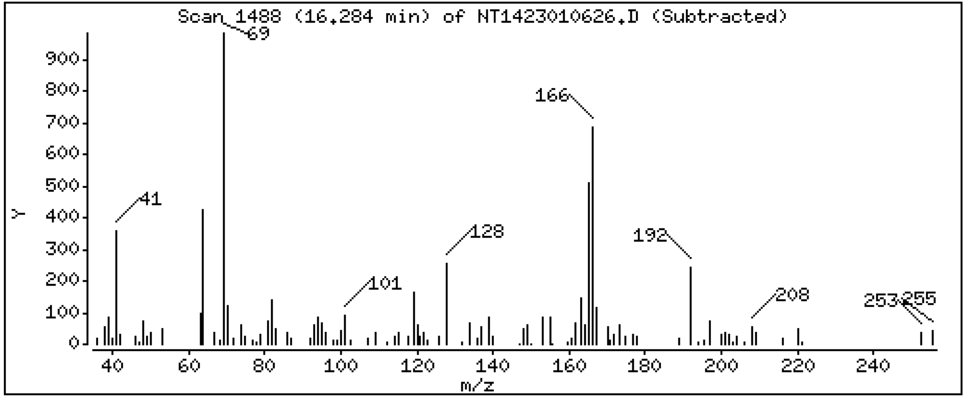
Sample Info: 22L0307-36

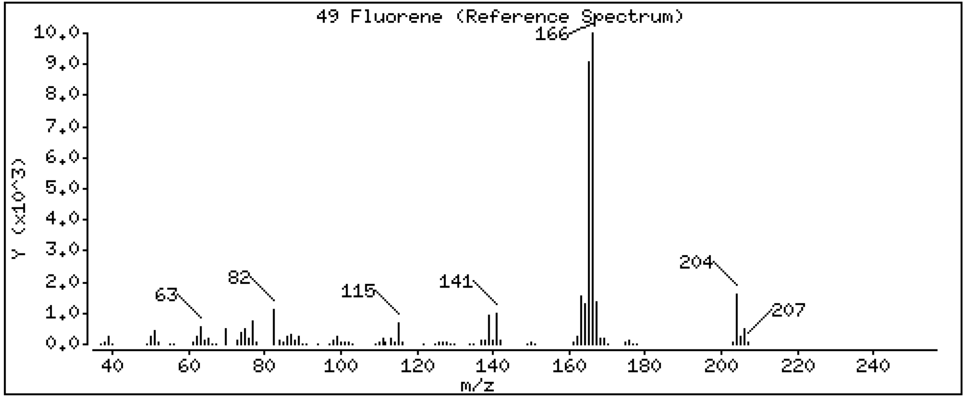
Operator: VTS

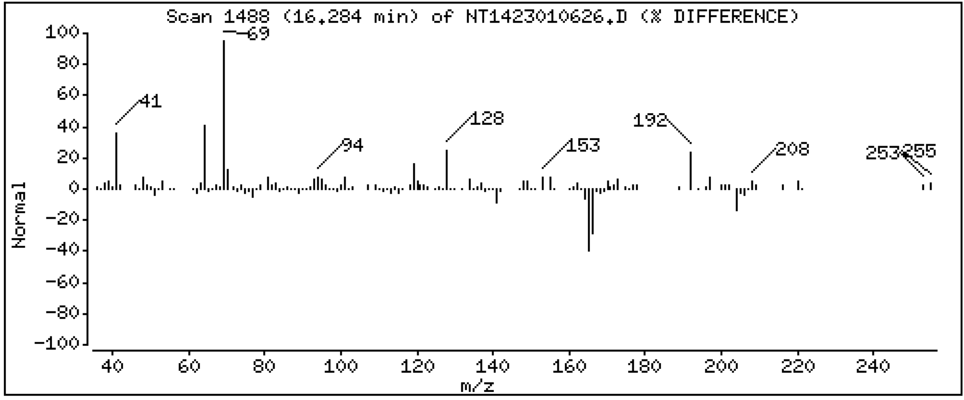
Column phase: ZB-5msi Column diameter: 0.25

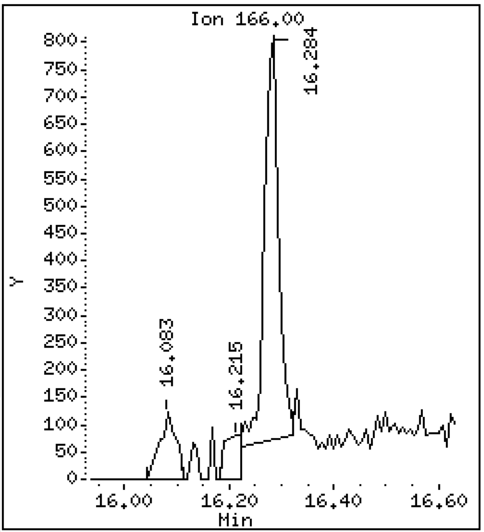
49 Fluorene Concentration: 0.01547 ug/mL

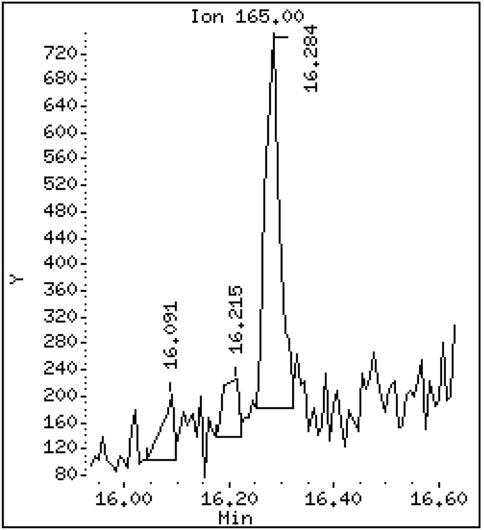


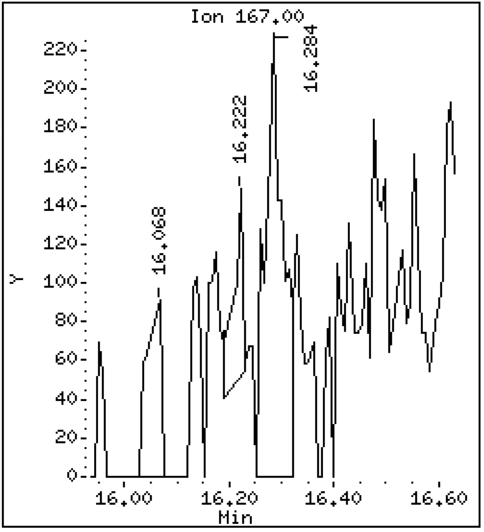












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Date : 07-JAN-2023 02:39

Client ID:

Instrument: nt14.i

Sample Info: 22L0307-36

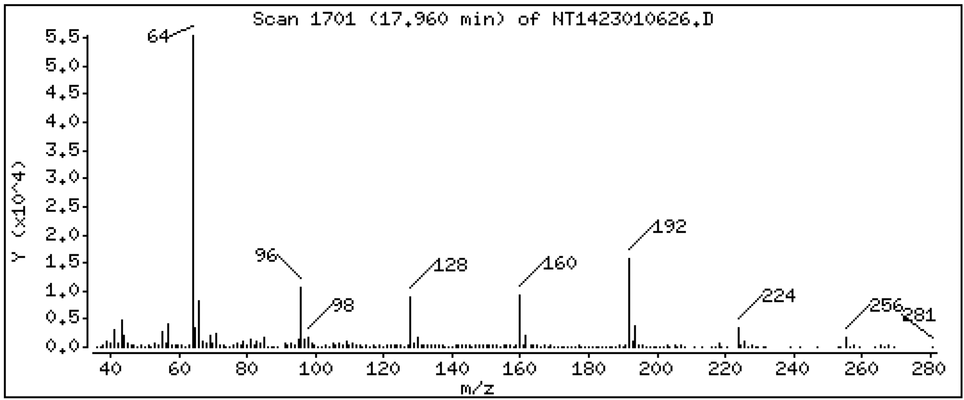
Operator: VTS

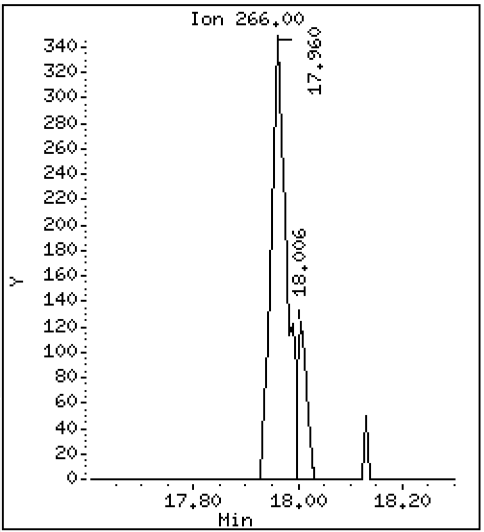
Column phase: ZB-5msi

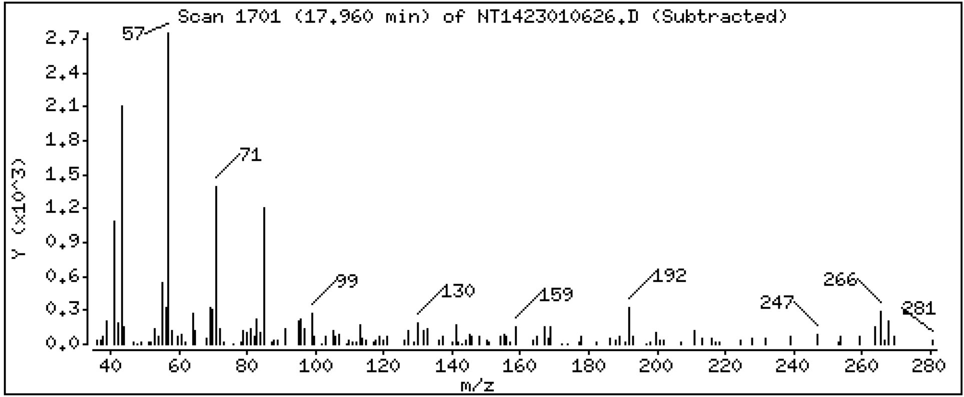
Column diameter: 0.25

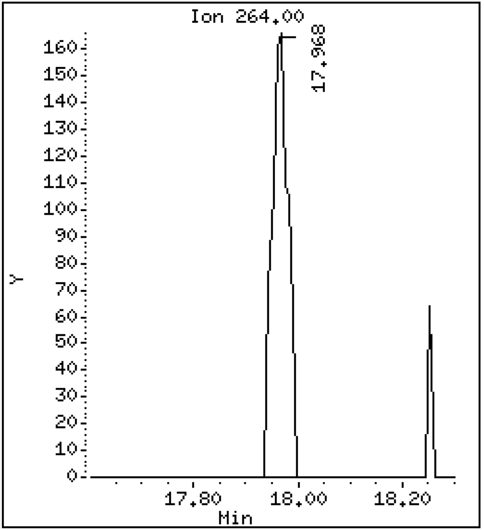
58 Pentachlorophenol

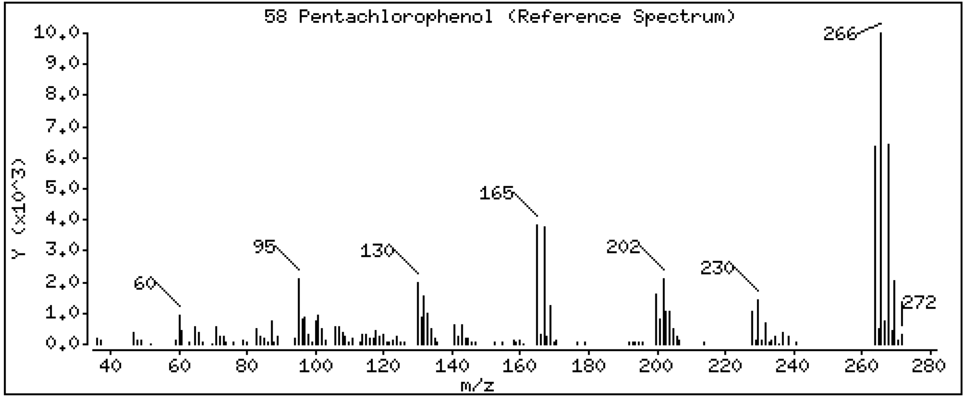
Concentration: 0.06758 ug/mL

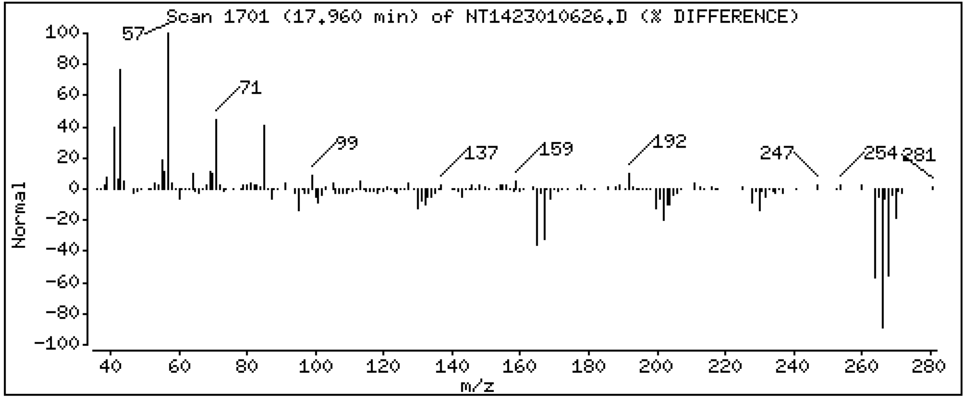


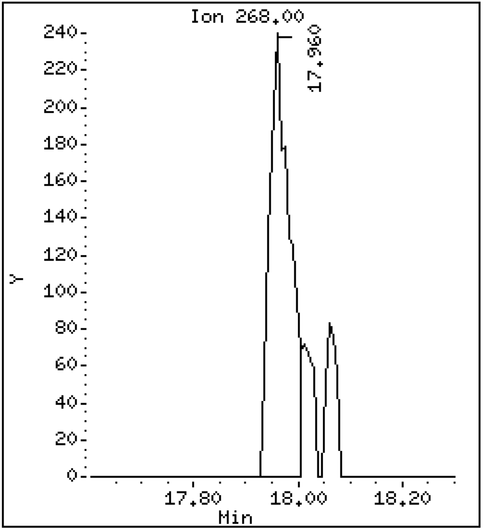












Data File: \\target\share\chem3\nt14.i\20230106.b\NT1423010626.D

Date : 07-JAN-2023 02:39

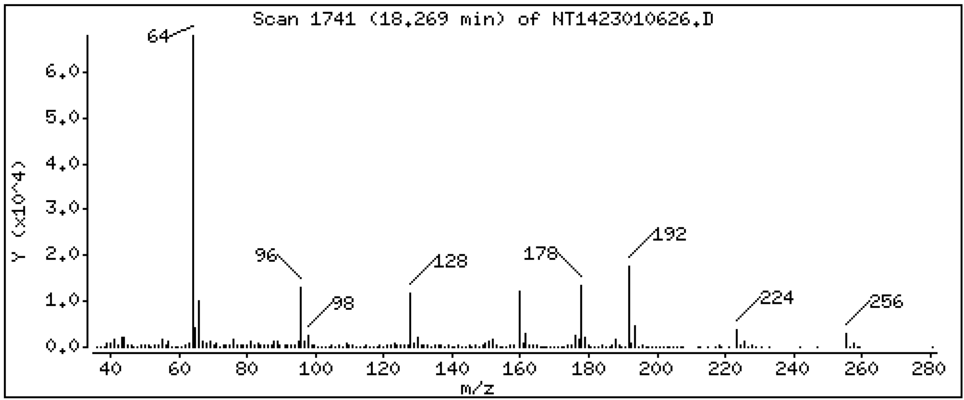
Client ID: Instrument: nt14.i

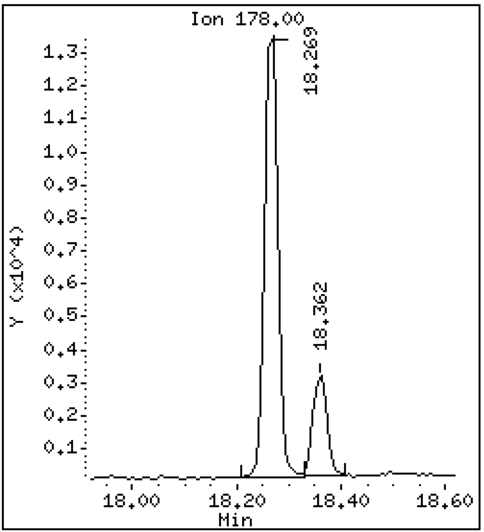
Sample Info: 22L0307-36

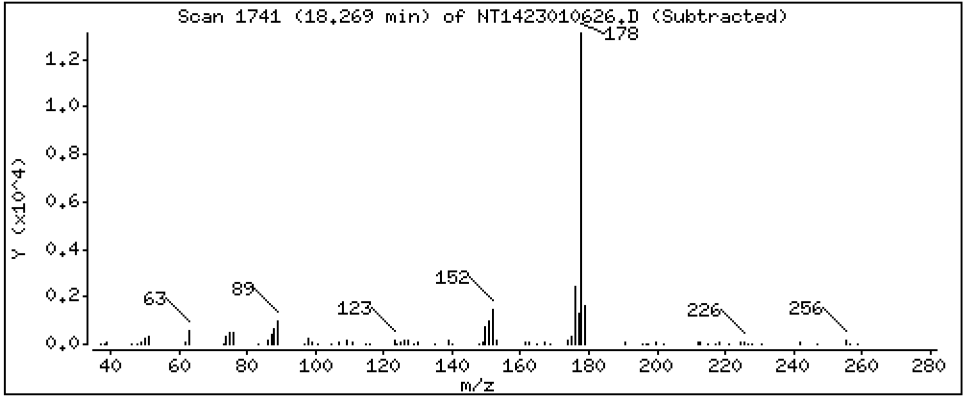
Operator: VTS

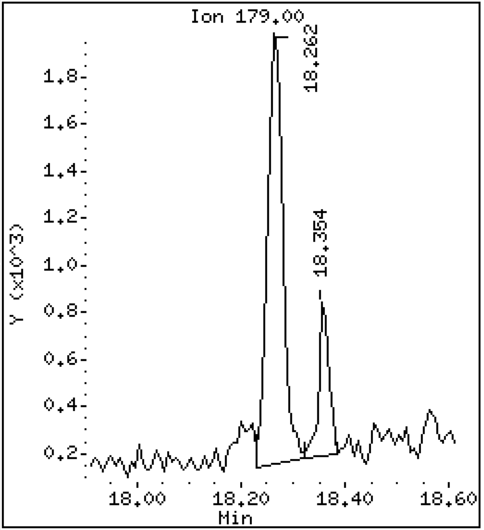
Column phase: ZB-5msi Column diameter: 0.25

60 Phenanthrene Concentration: 0.2504 ug/mL


Scan 1741 (18.269 min) of NT1423010626.D


Ion 178.00


Scan 1741 (18.269 min) of NT1423010626.D (Subtracted)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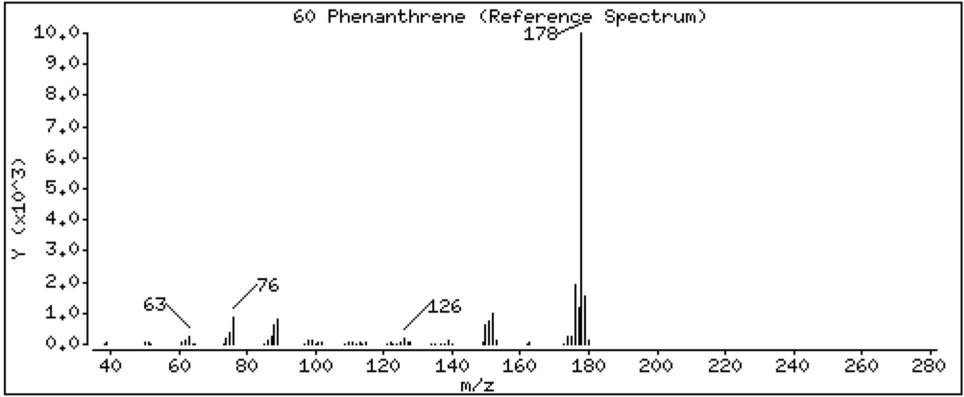
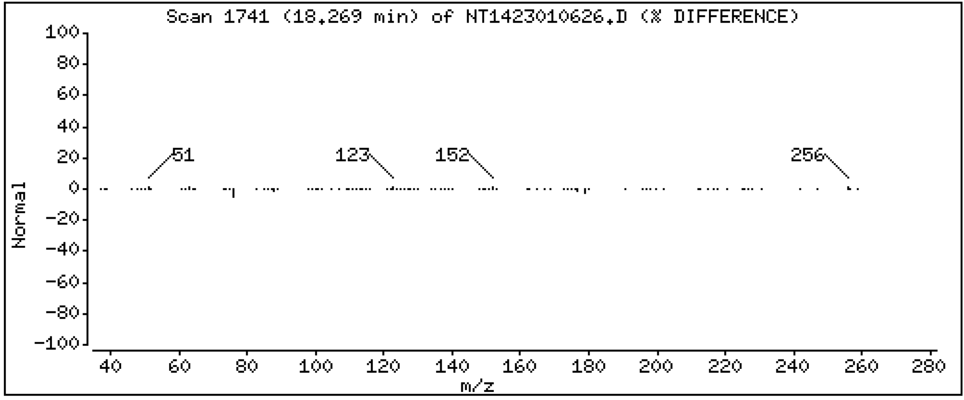
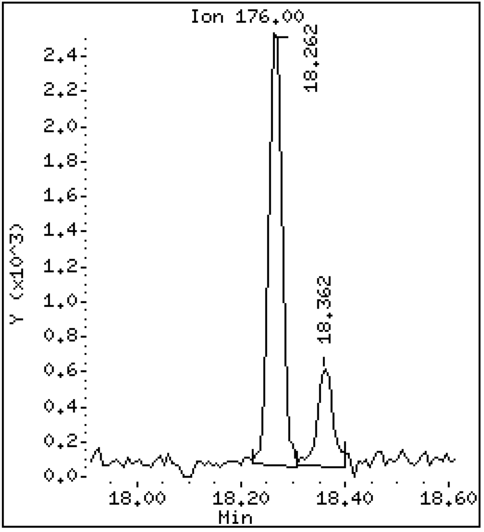

60 Phenanthrene (Reference Spectrum)


Scan 1741 (18.269 min) of NT1423010626.D (% DIFFERENCE)


Ion 176.00

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Date : 07-JAN-2023 02:39

Client ID:

Instrument: nt14.i

Sample Info: 22L0307-36

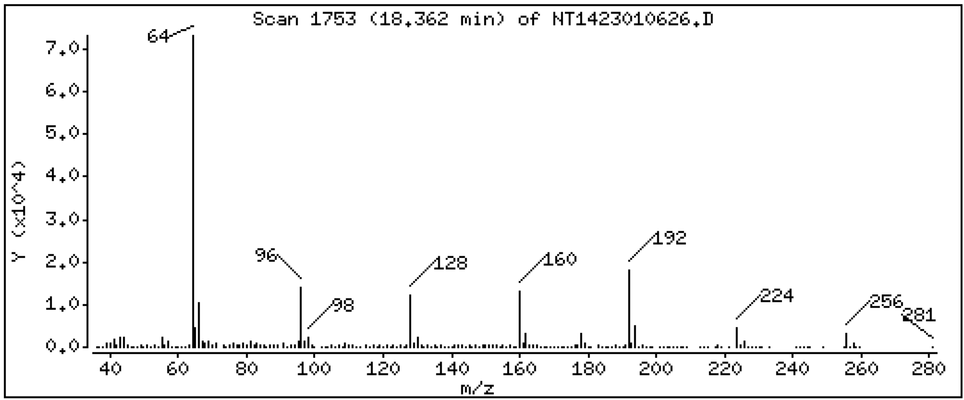
Operator: VTS

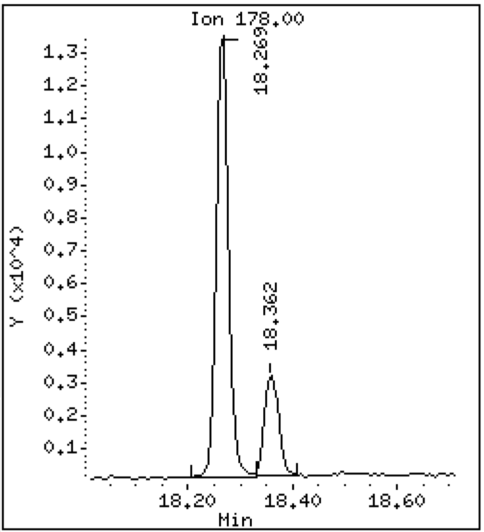
Column phase: ZB-5msi

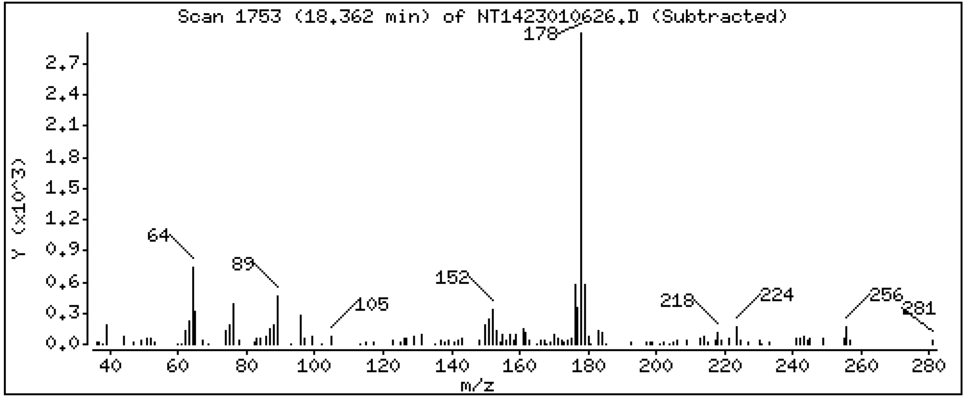
Column diameter: 0.25

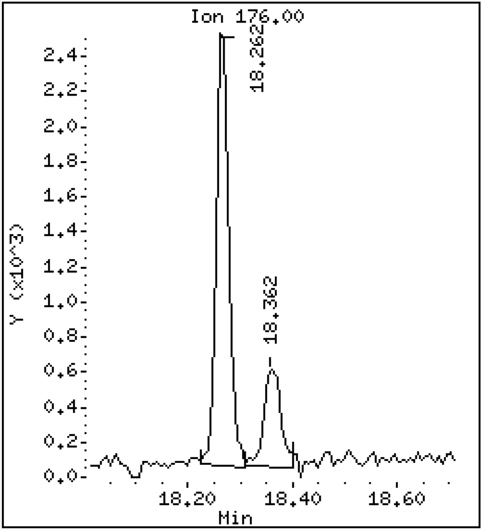
61 Anthracene

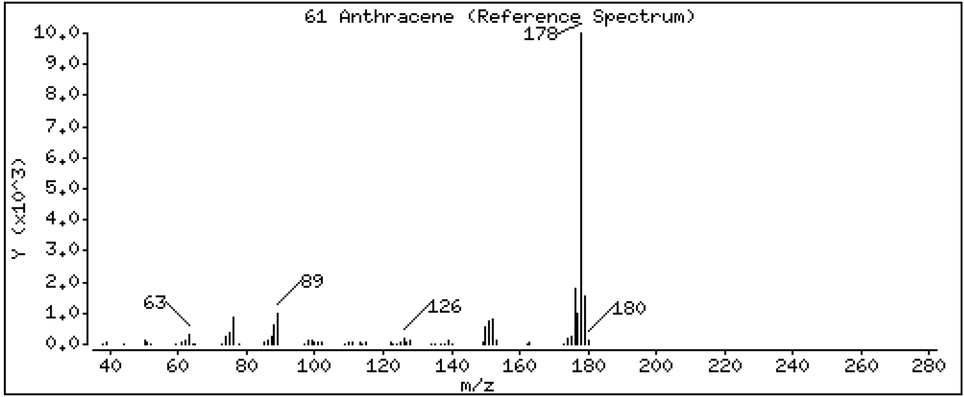
Concentration: 0.06380 ug/mL

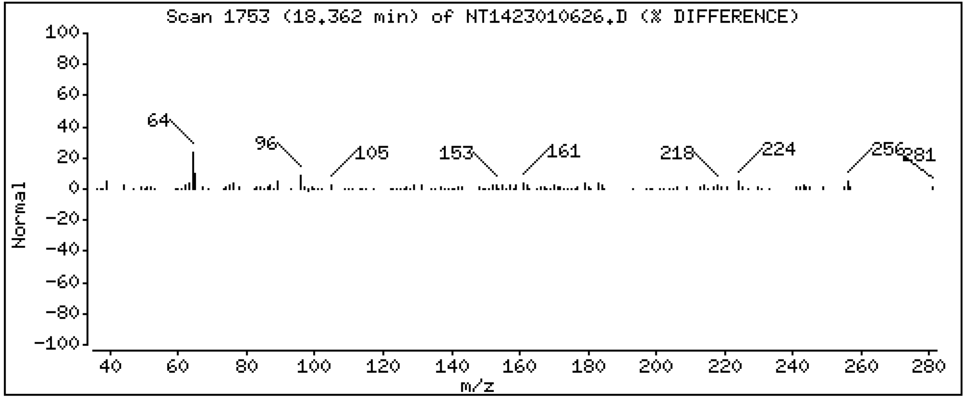


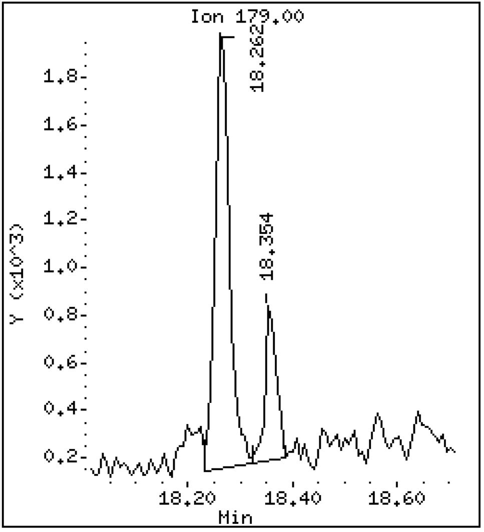












Data File: \\target\share\chem3\nt14.i\20230106.b\NT1423010626.D

Date : 07-JAN-2023 02:39

Client ID:

Instrument: nt14.i

Sample Info: 22L0307-36

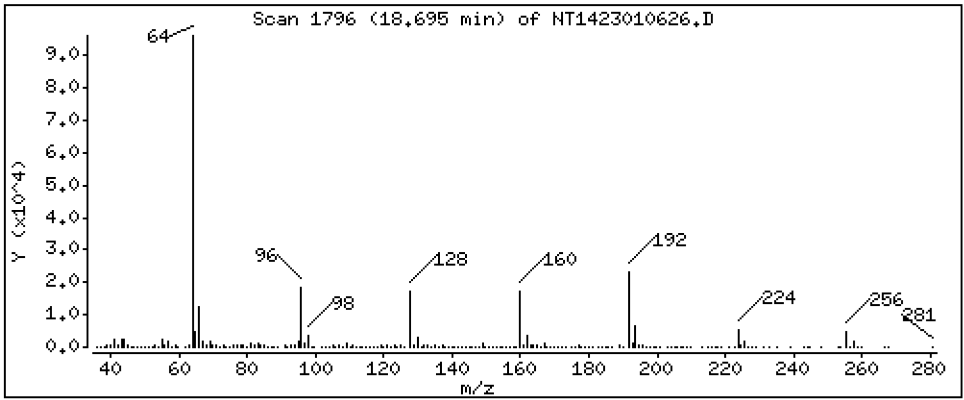
Operator: VTS

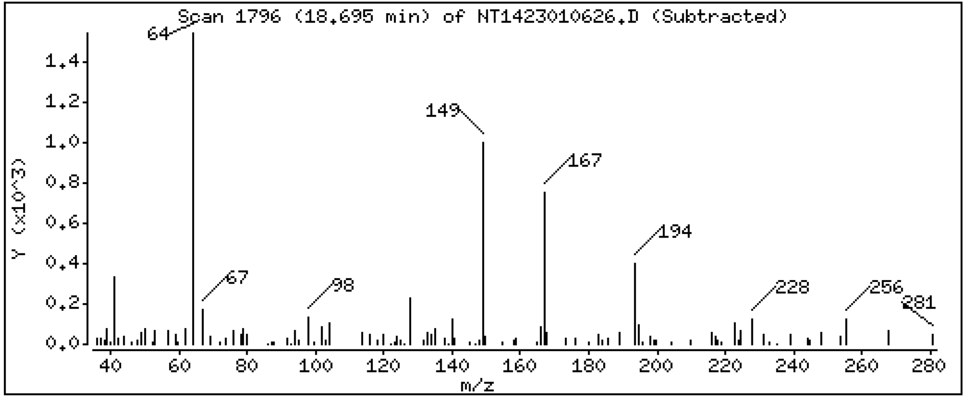
Column phase: ZB-5msi

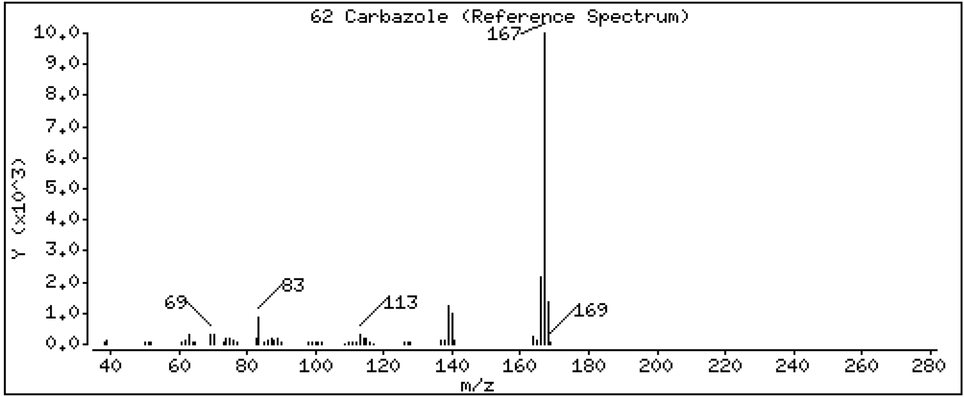
Column diameter: 0.25

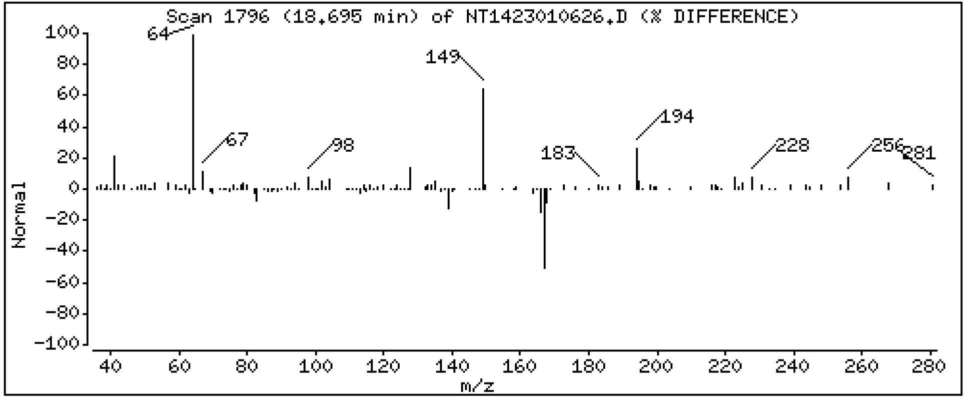
62 Carbazole

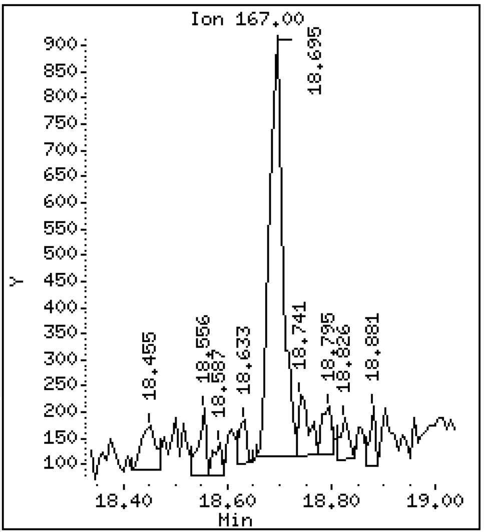
Concentration: 0.01621 ug/mL

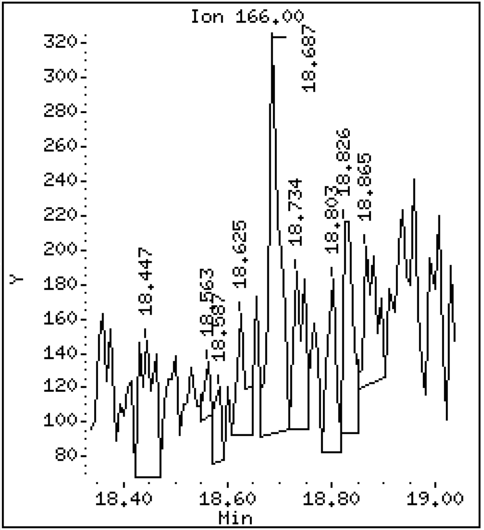


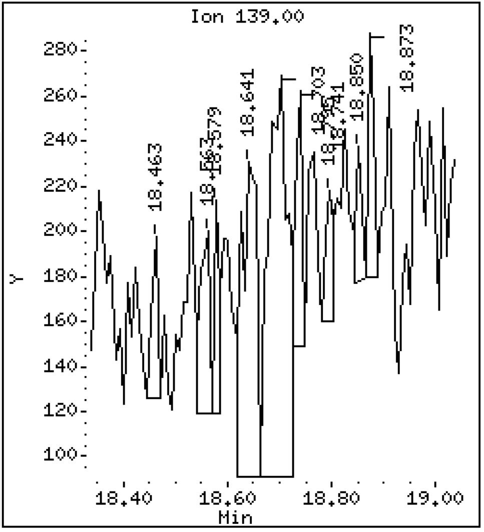












Data File: \\target\share\chem3\nt14.i\20230106.b\NT1423010626.D

Date : 07-JAN-2023 02:39

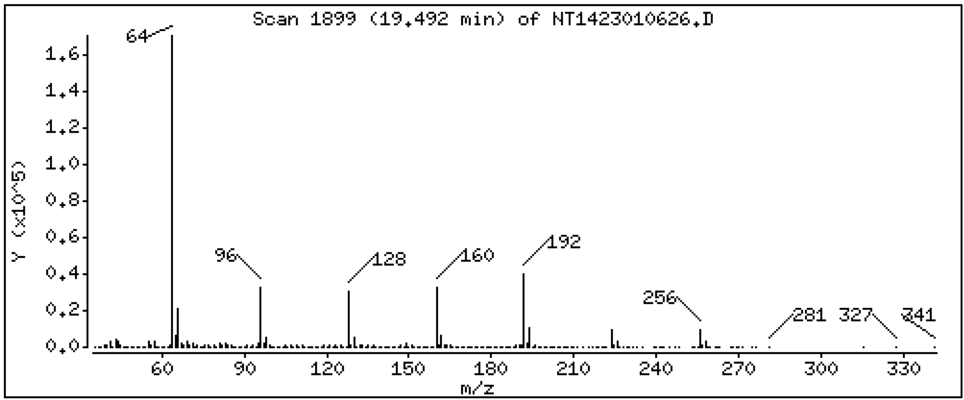
Client ID: Instrument: nt14.i

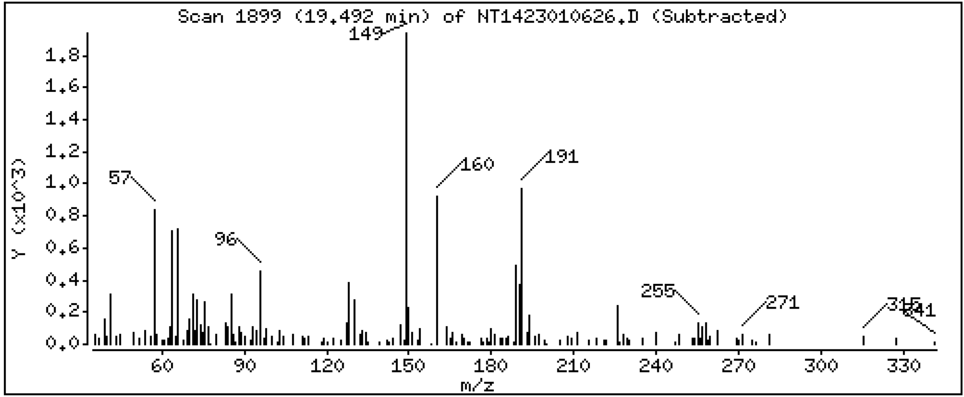
Sample Info: 22L0307-36

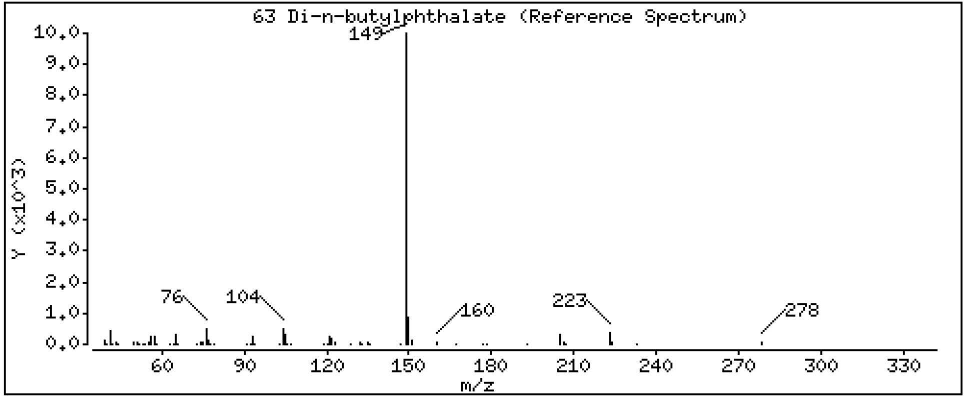
Operator: VTS

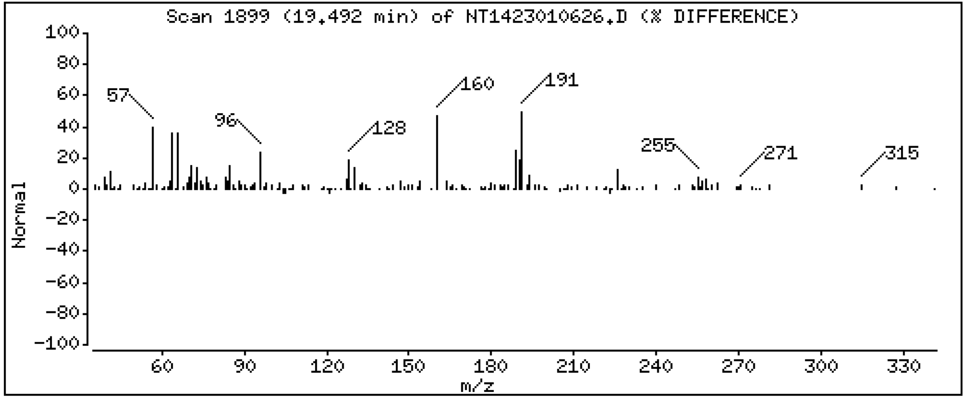
Column phase: ZB-5msi Column diameter: 0.25

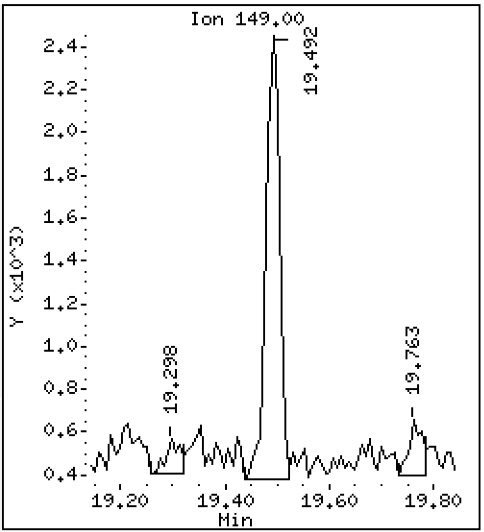
63 Di-n-butylphthalate Concentration: 0.03790 ug/mL

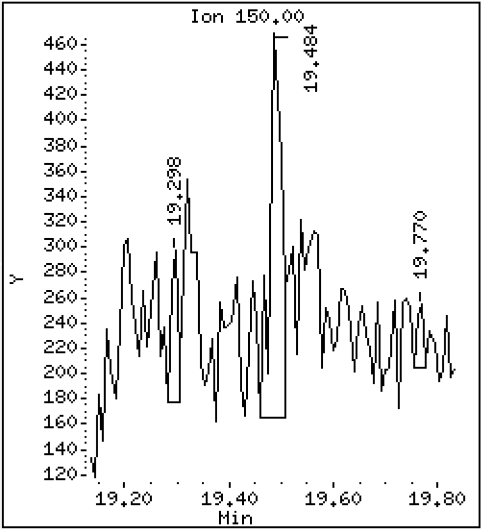

Scan 1899 (19.492 min) of NT1423010626.D

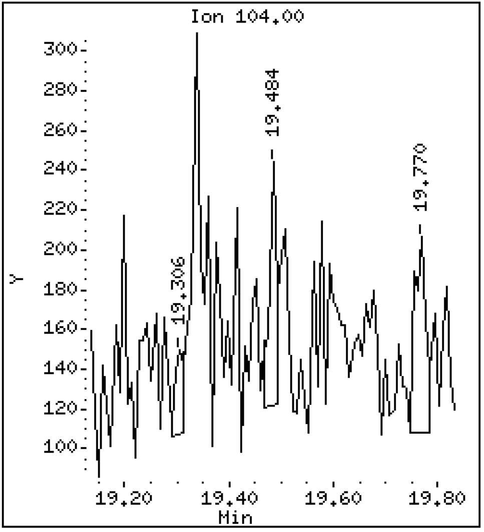

Scan 1899 (19.492 min) of NT1423010626.D (Subtracted)


63 Di-n-butylphthalate (Reference Spectrum)


Scan 1899 (19.492 min) of NT1423010626.D (% DIFFERENCE)


Ion 149.00


Ion 150.00


Ion 104.00

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Date : 07-JAN-2023 02:39

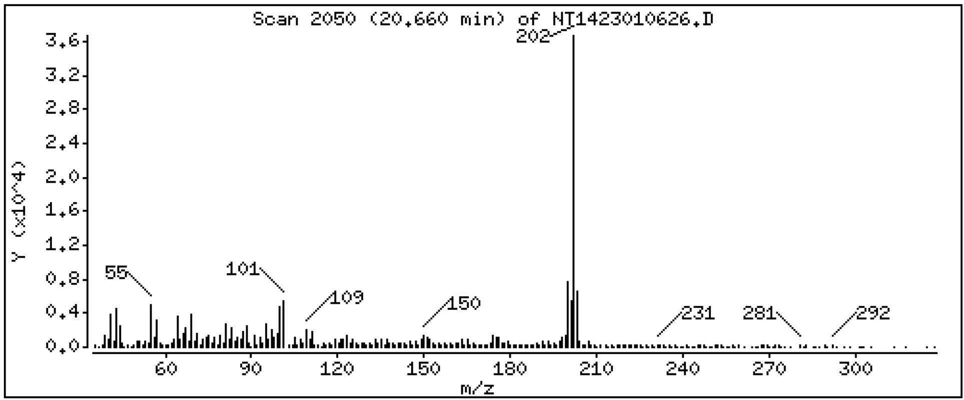
Client ID: Instrument: nt14.i

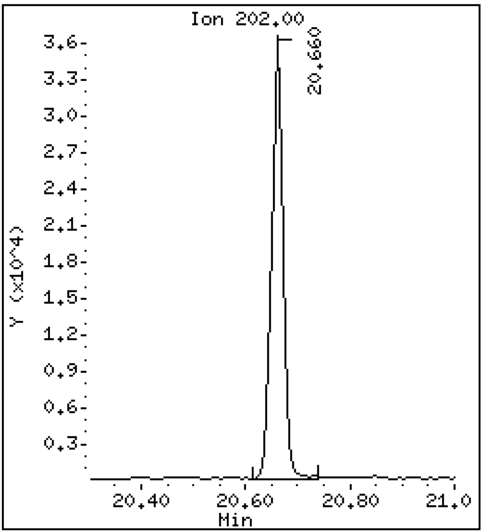
Sample Info: 22L0307-36

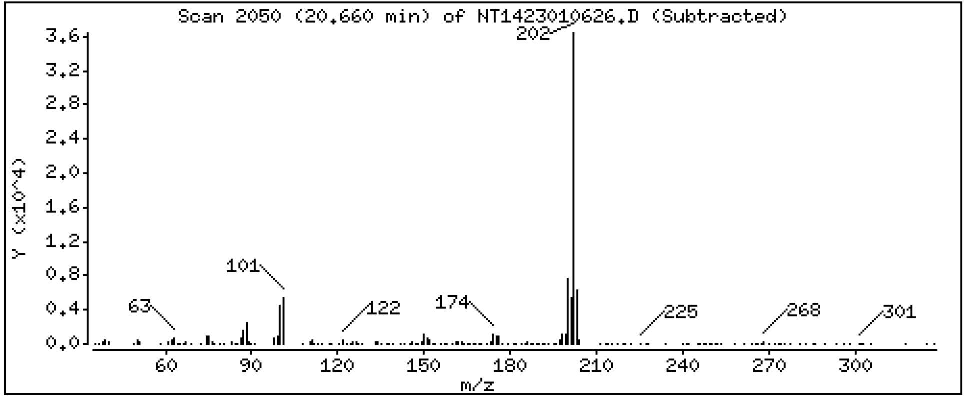
Operator: VTS

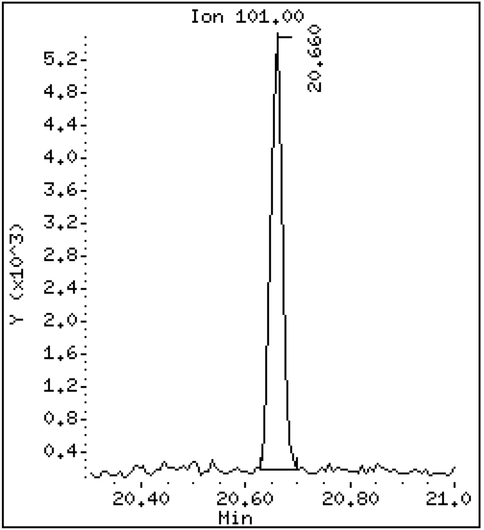
Column phase: ZB-5msi Column diameter: 0.25

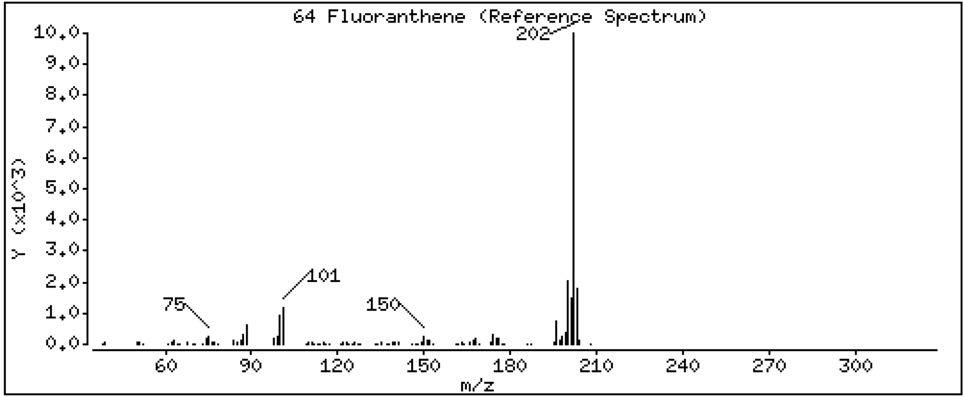
64 Fluoranthene Concentration: 0.6397 ug/mL

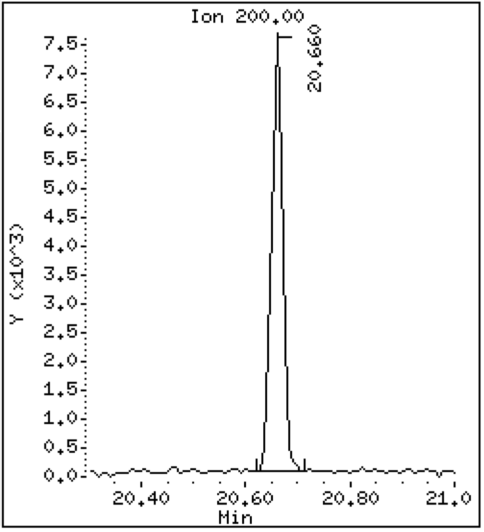


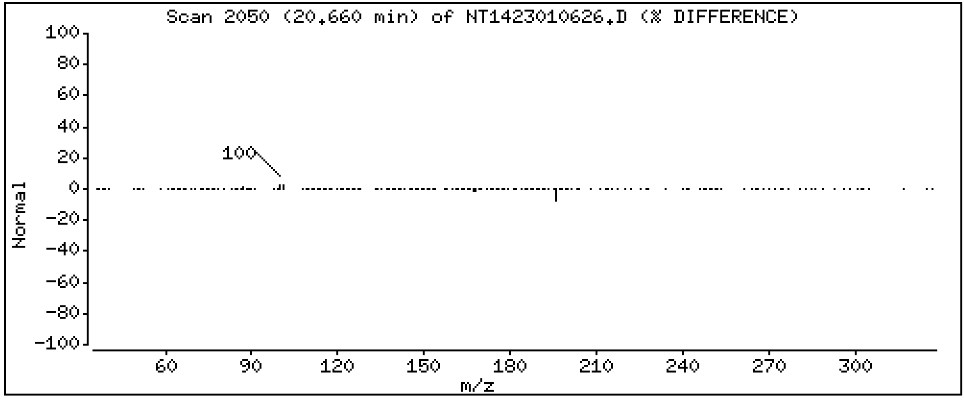












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Date : 07-JAN-2023 02:39

Client ID:

Instrument: nt14.i

Sample Info: 22L0307-36

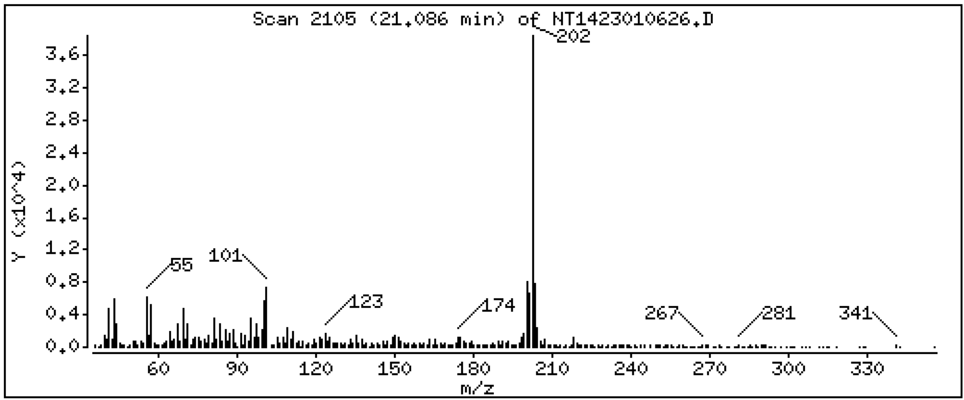
Operator: VTS

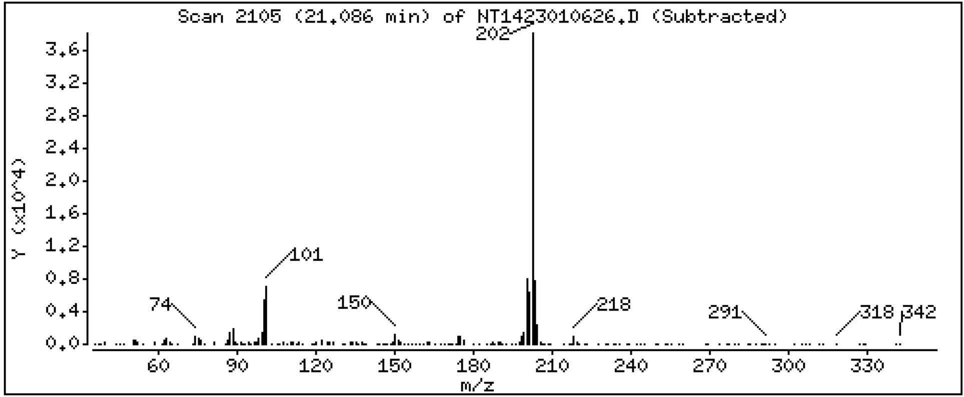
Column phase: ZB-5msi

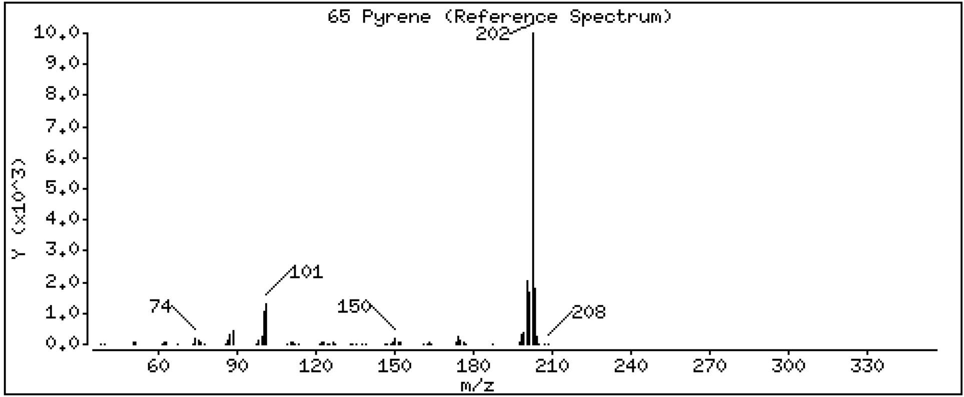
Column diameter: 0.25

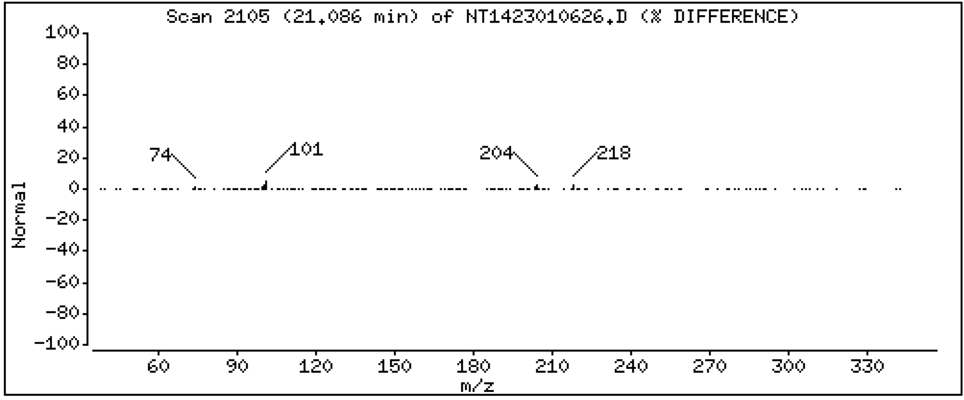
65 Pyrene

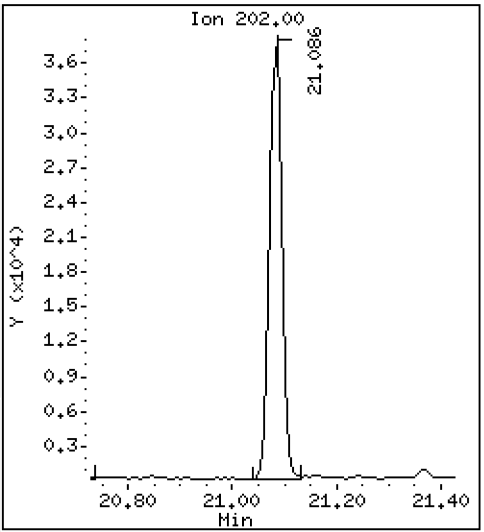
Concentration: 0.6681 ug/mL

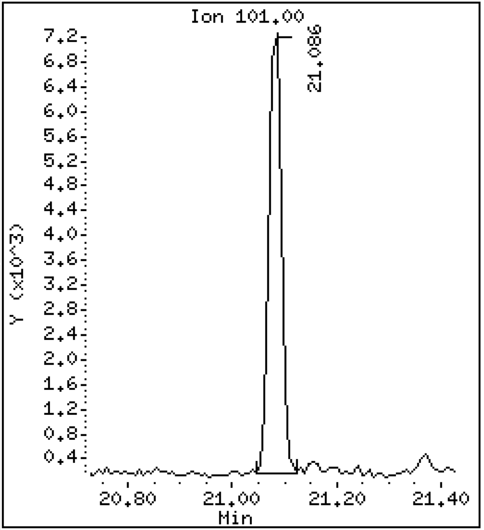


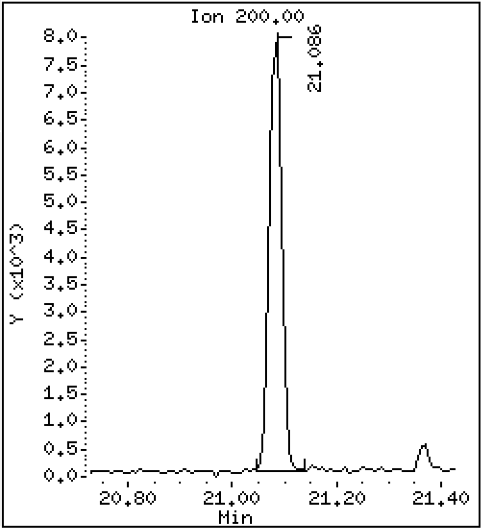












Data File: \\target\share\chem3\nt14.i\20230106.b\NT1423010626.D

Date : 07-JAN-2023 02:39

Client ID: Instrument: nt14.i

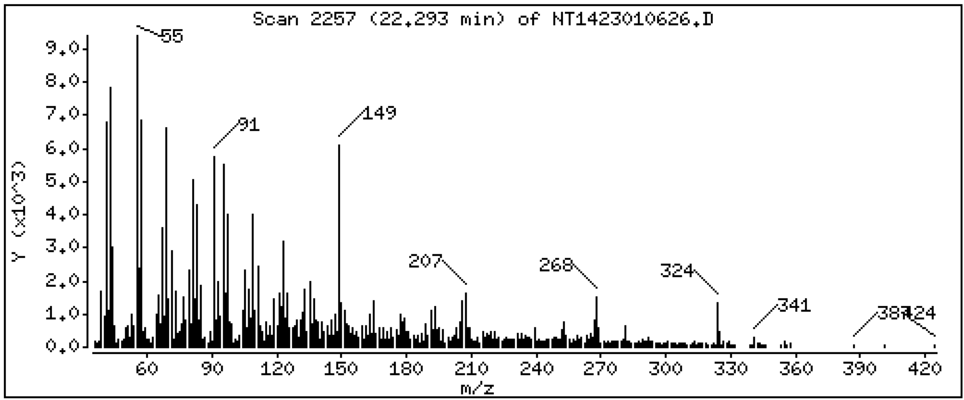
Sample Info: 22L0307-36

Operator: VTS

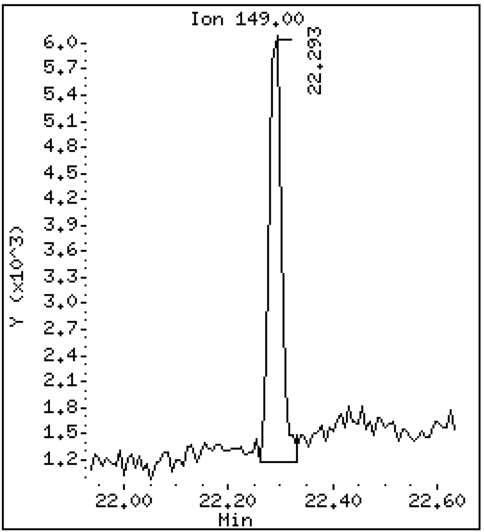
Column phase: ZB-5msi Column diameter: 0.25

67 Butylbenzylphthalate Concentration: 0.2315 ug/mL

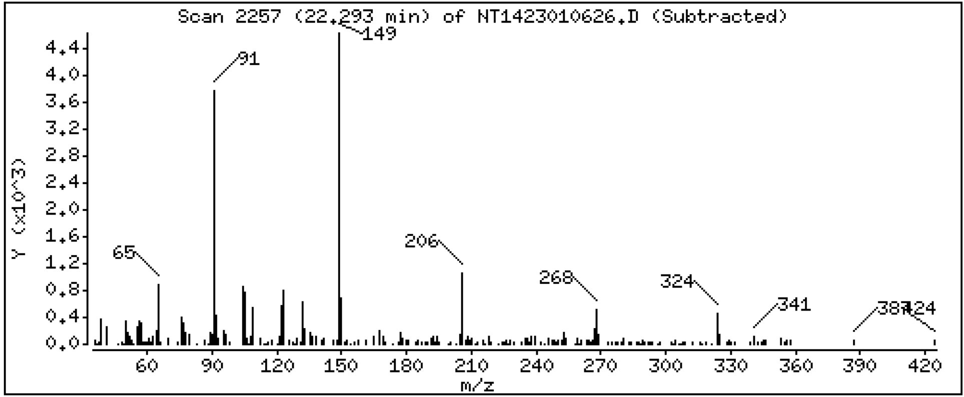
Scan 2257 (22.293 min) of NT1423010626.D



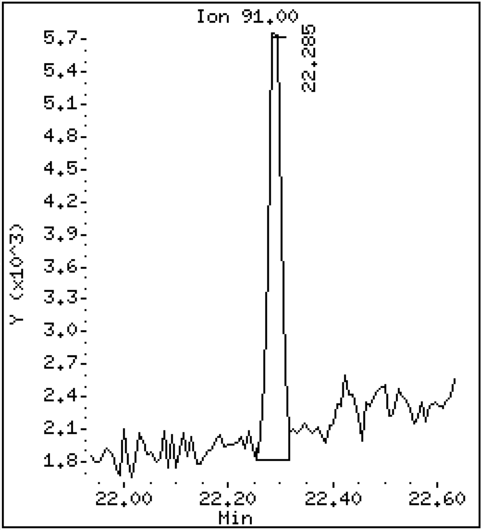
Ion 149.00



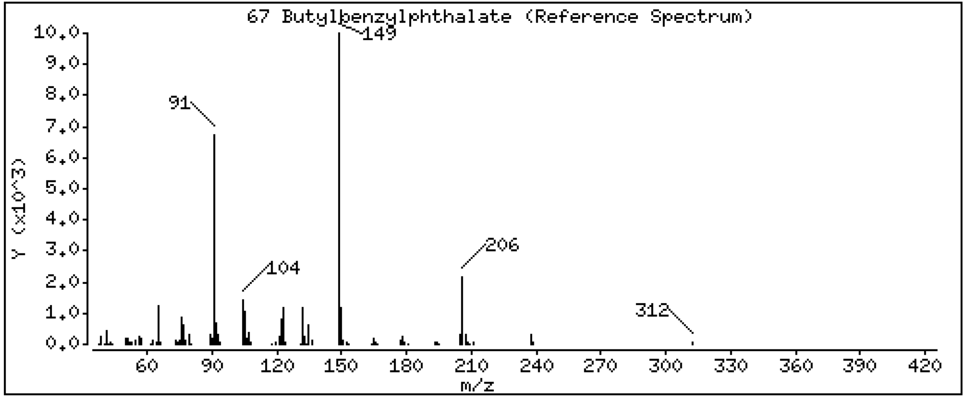
Scan 2257 (22.293 min) of NT1423010626.D (Subtracted)



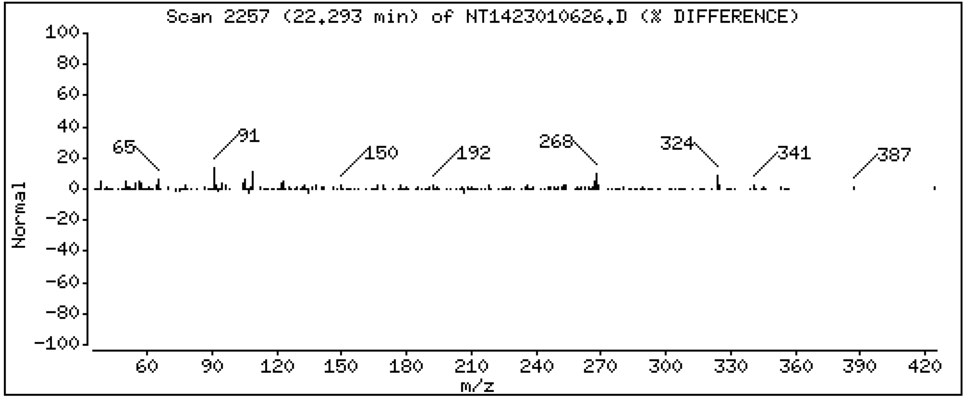
Ion 91.00



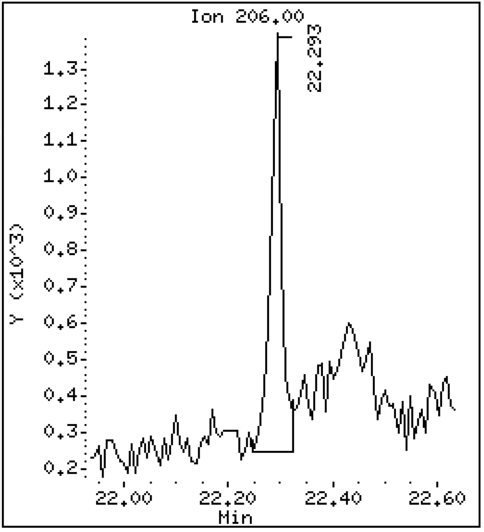
67 Butylbenzylphthalate (Reference Spectrum)



Scan 2257 (22.293 min) of NT1423010626.D (% DIFFERENCE)



Ion 206.00



Data File: \\target\share\chem3\nt14.i\20230106.b\NT1423010626.D

Date : 07-JAN-2023 02:39

Client ID:

Instrument: nt14.i

Sample Info: 22L0307-36

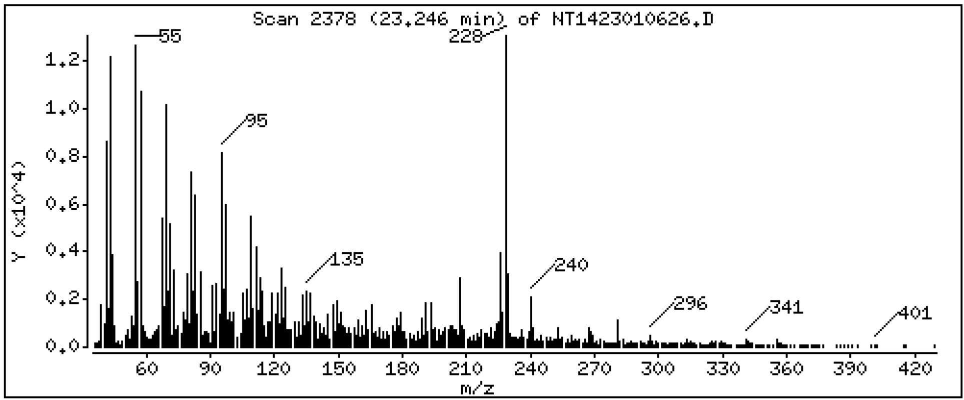
Operator: VTS

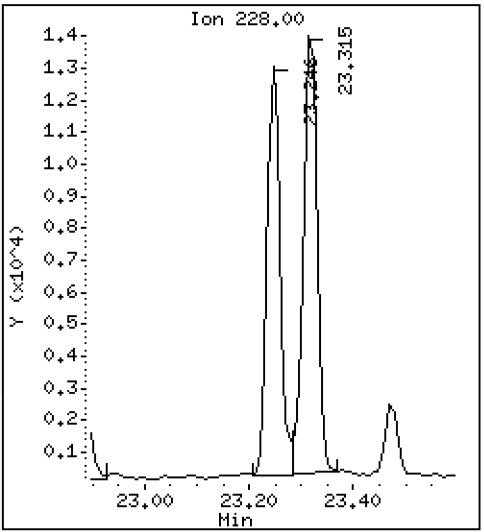
Column phase: ZB-5msi

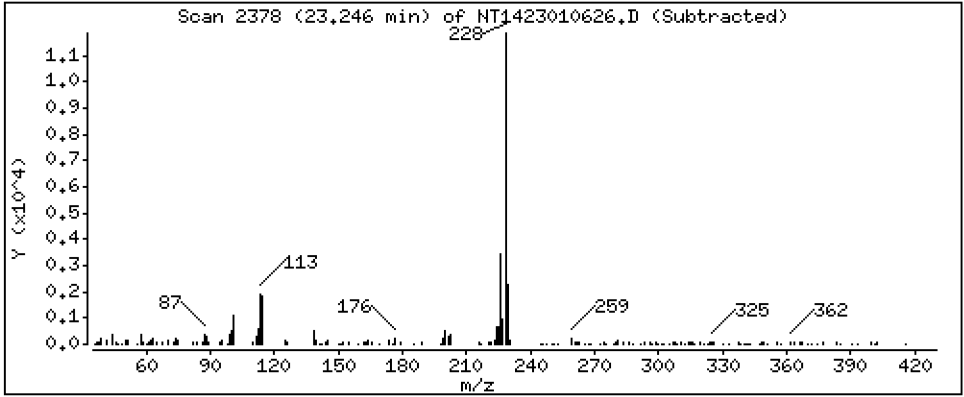
Column diameter: 0.25

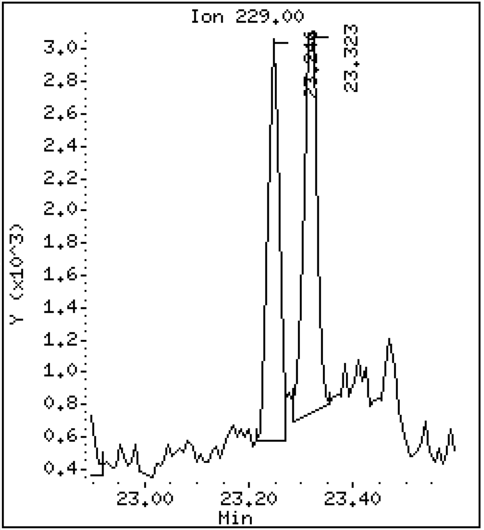
68 Benzo(a)anthracene

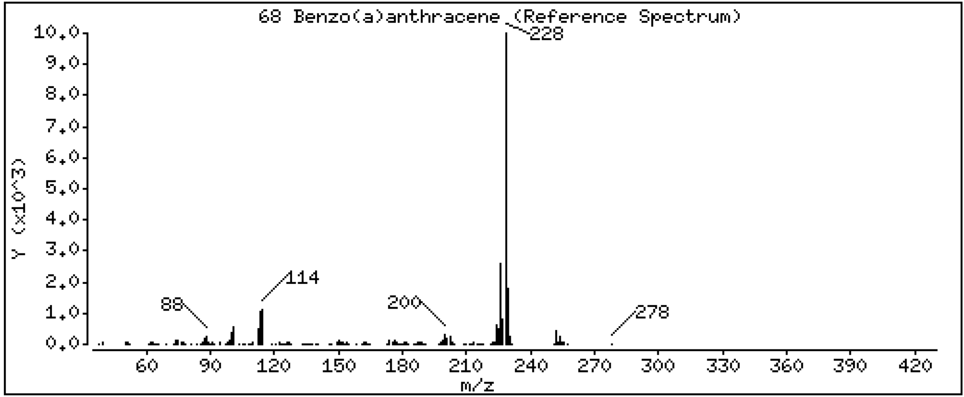
Concentration: 0.2689 ug/mL

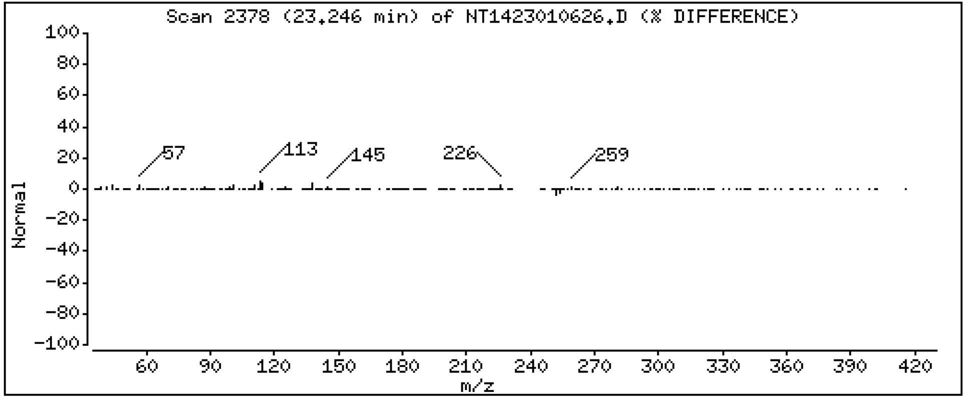


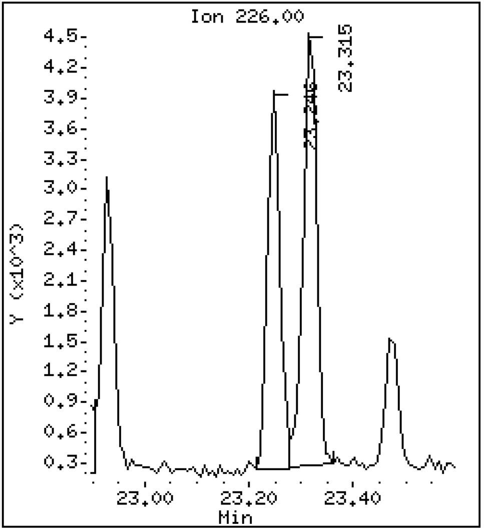












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Date : 07-JAN-2023 02:39

Client ID:

Instrument: nt14.i

Sample Info: 22L0307-36

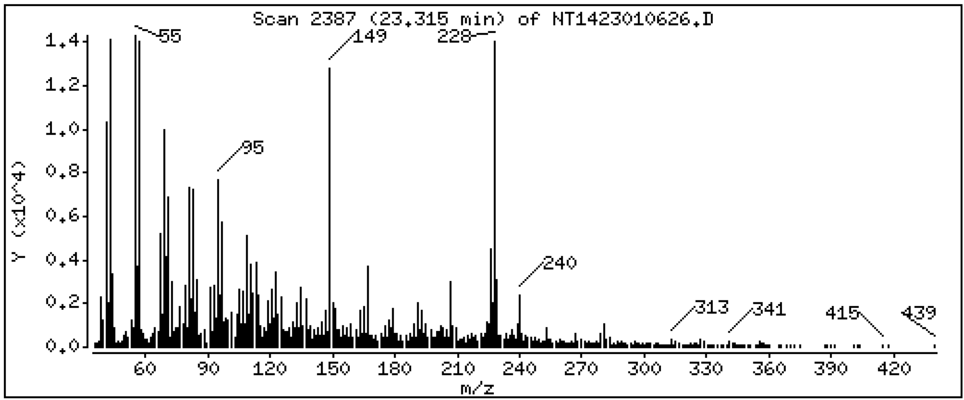
Operator: VTS

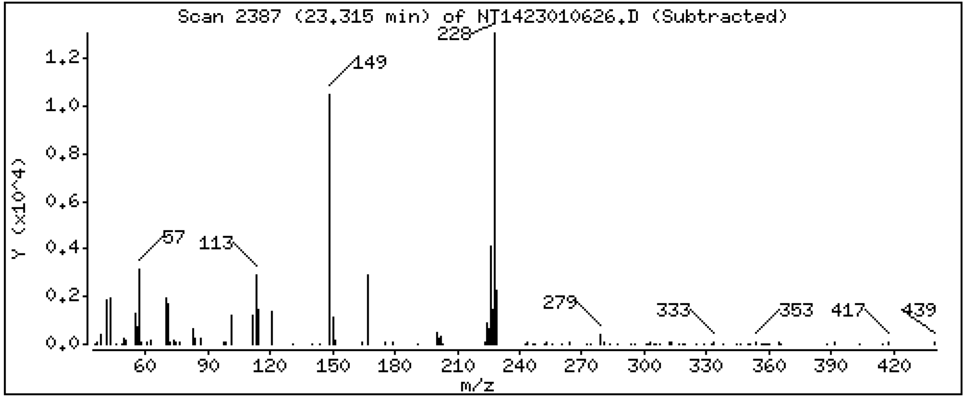
Column phase: ZB-5msi

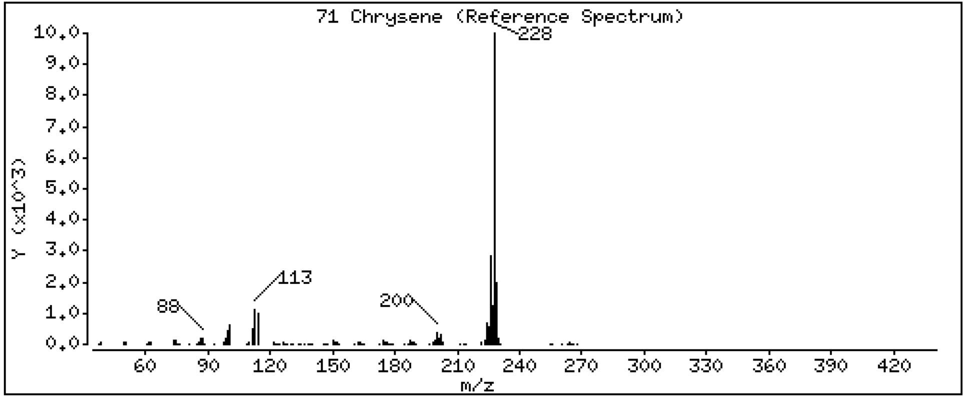
Column diameter: 0.25

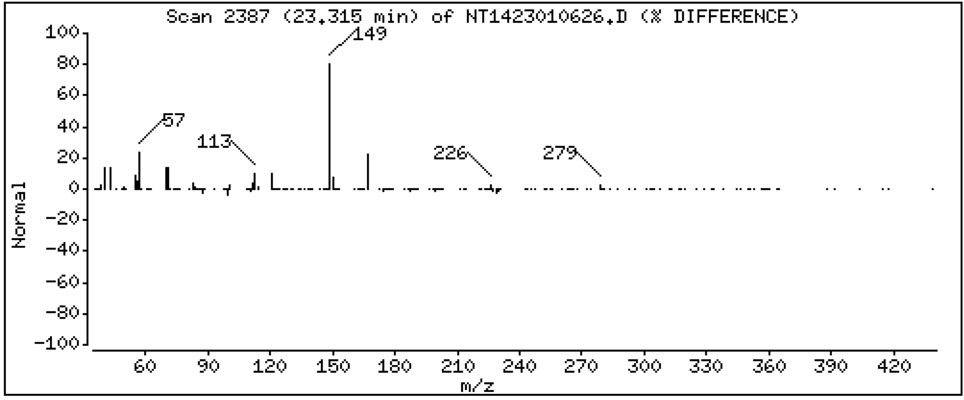
71 Chrysene

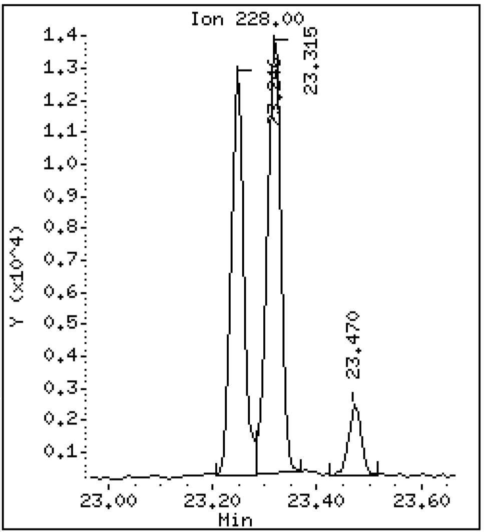
Concentration: 0.3220 ug/mL

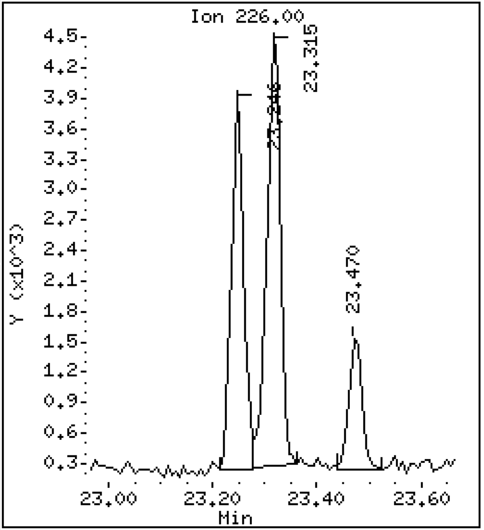


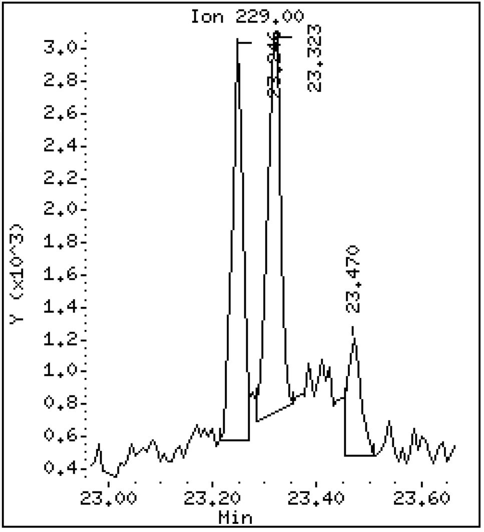












Data File: \\target\share\chem3\nt14.i\20230106.b\NT1423010626.D

Date : 07-JAN-2023 02:39

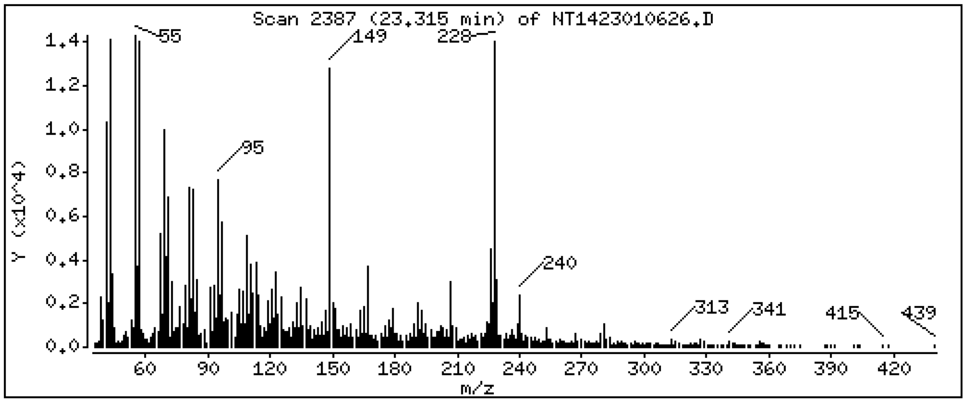
Client ID: Instrument: nt14.i

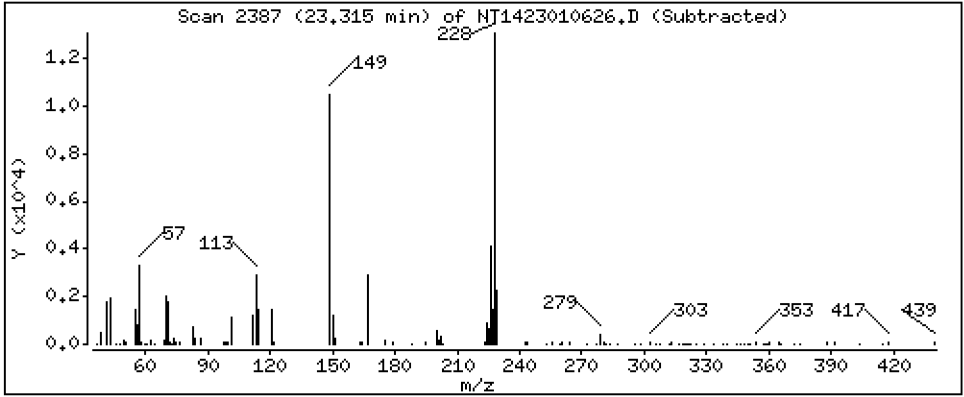
Sample Info: 22L0307-36

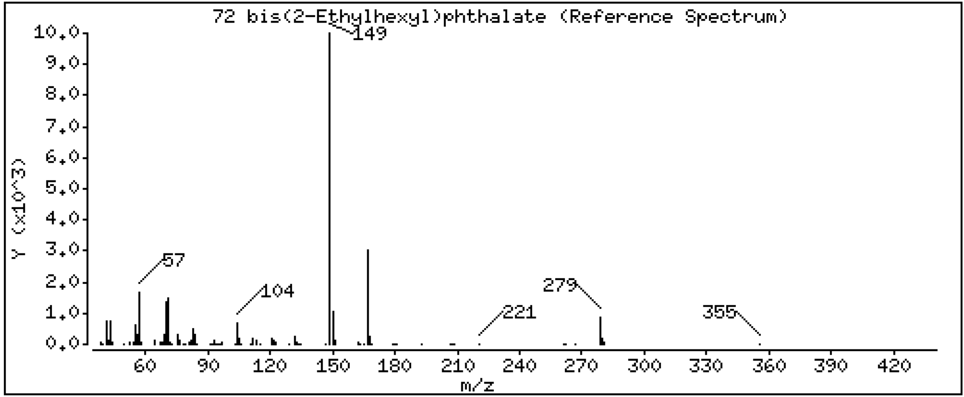
Operator: VTS

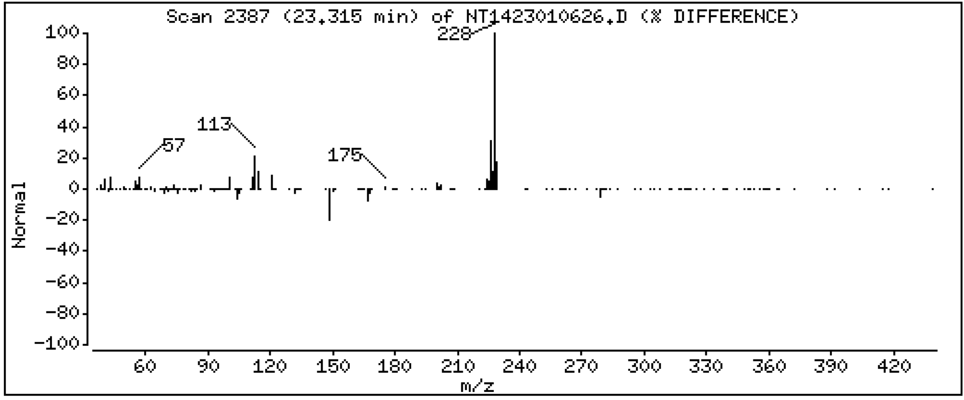
Column phase: ZB-5msi Column diameter: 0.25

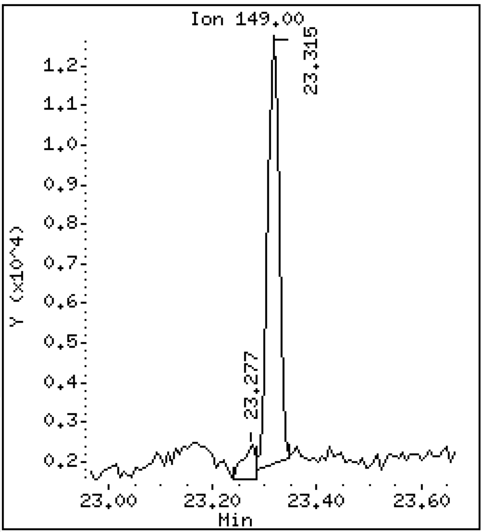
72 bis(2-Ethylhexyl)phthalate Concentration: 0.2652 ug/mL

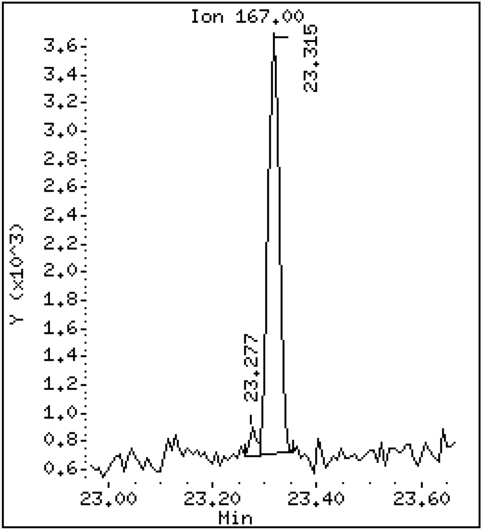


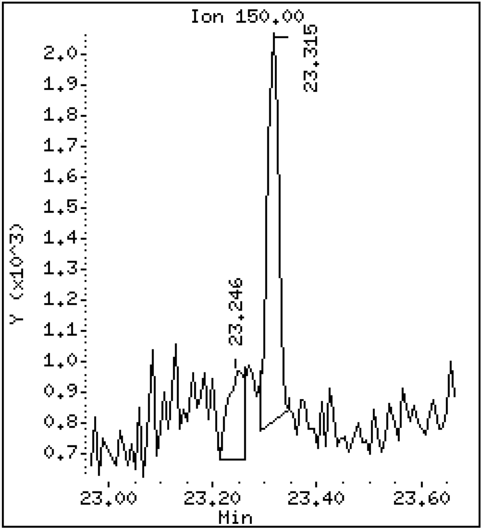












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Date : 07-JAN-2023 02:39

Client ID:

Instrument: nt14.i

Sample Info: 22L0307-36

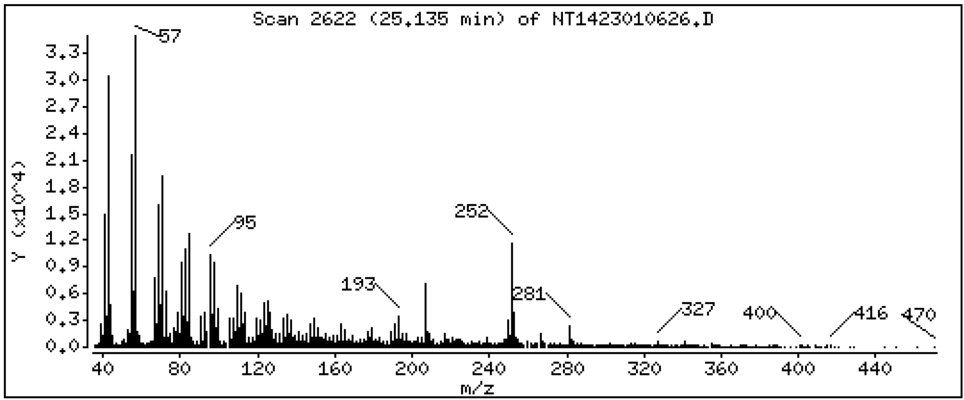
Operator: VTS

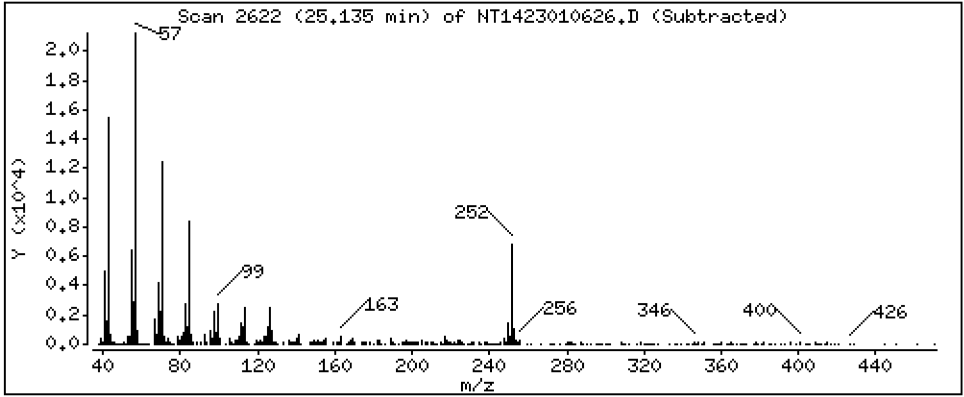
Column phase: ZB-5msi

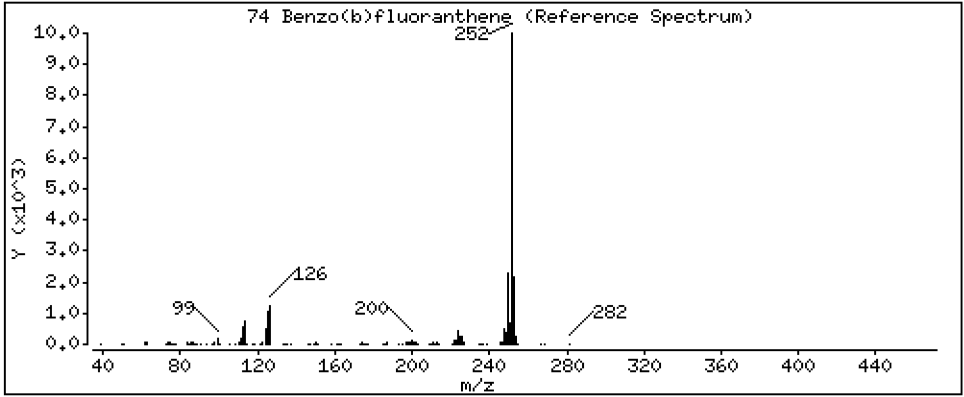
Column diameter: 0.25

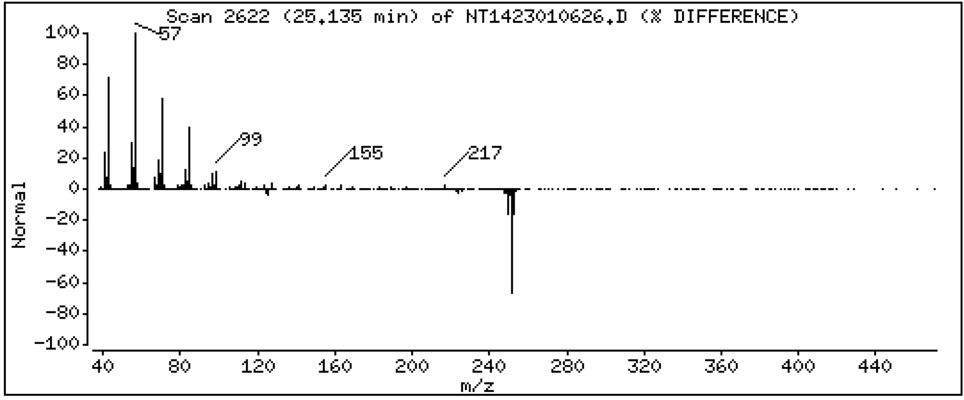
74 Benzo(b)fluoranthene

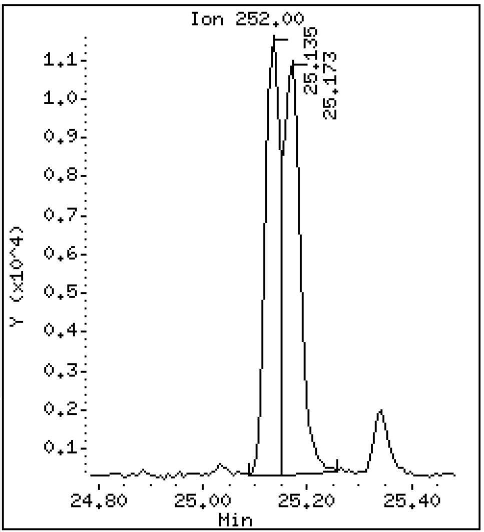
Concentration: 0.2354 ug/mL

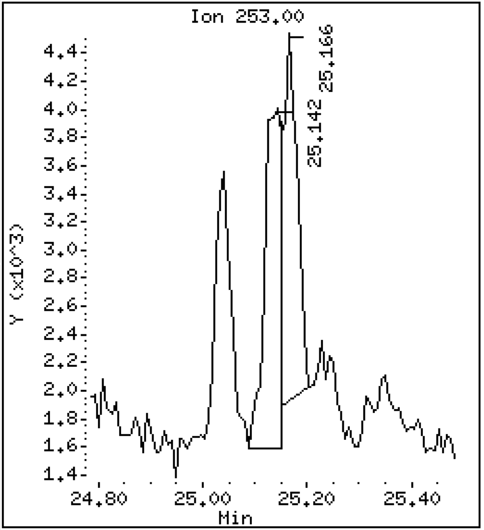


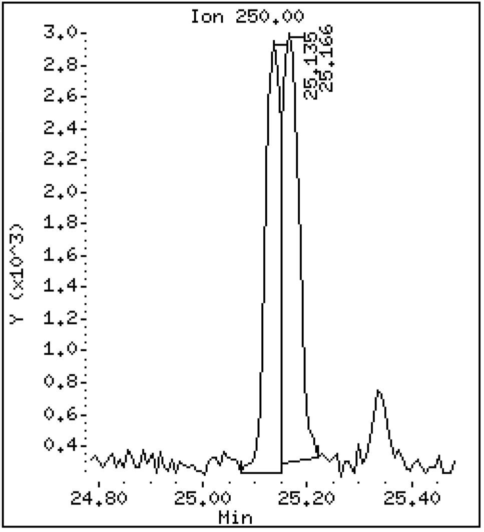












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Date : 07-JAN-2023 02:39

Client ID:

Instrument: nt14.i

Sample Info: 22L0307-36

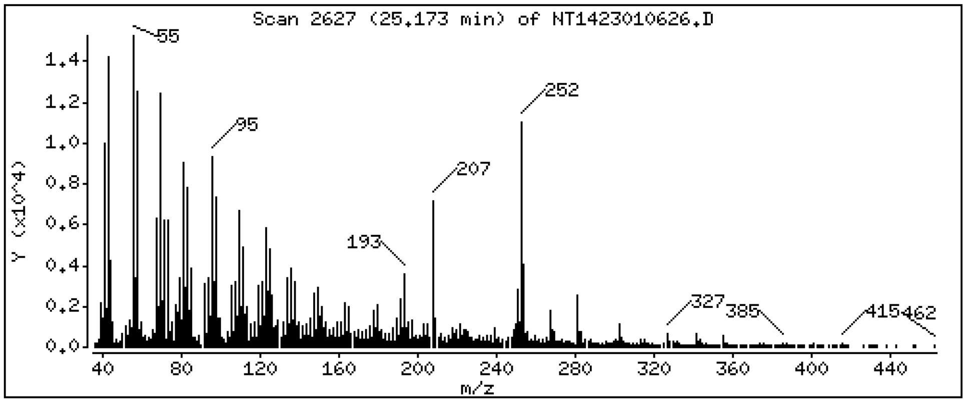
Operator: VTS

Column phase: ZB-5msi

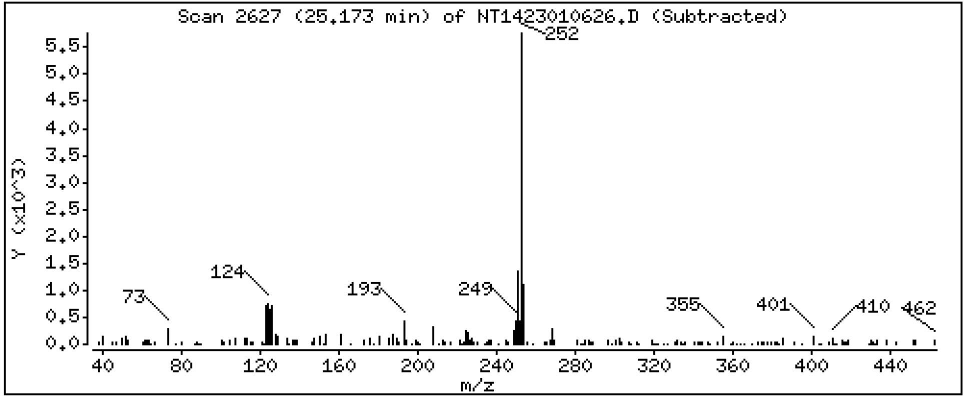
Column diameter: 0.25

75 Benzo(k)fluoranthene

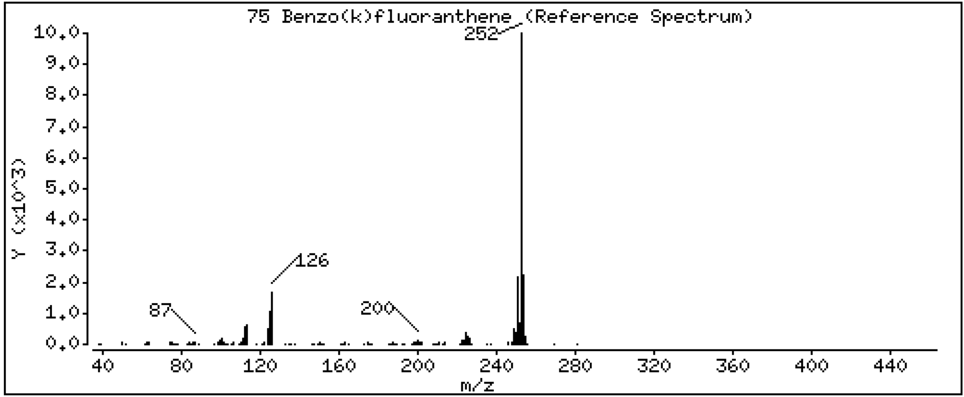
Concentration: 0.2843 ug/mL



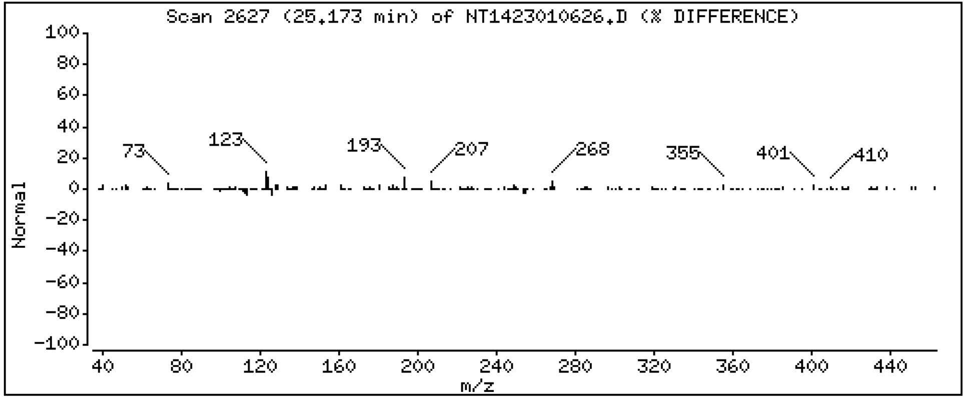
Scan 2627 (25.173 min) of NT1423010626.D



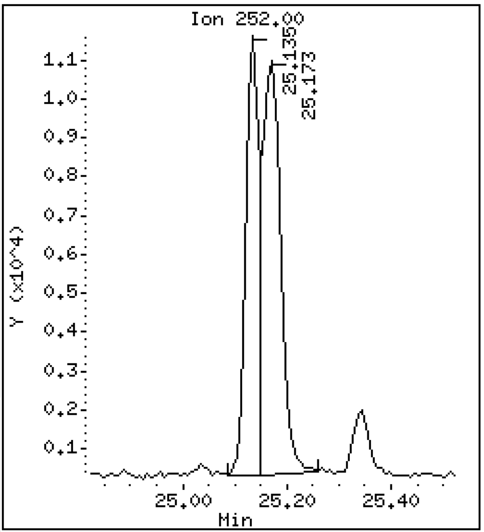
Scan 2627 (25.173 min) of NT1423010626.D (Subtracted)



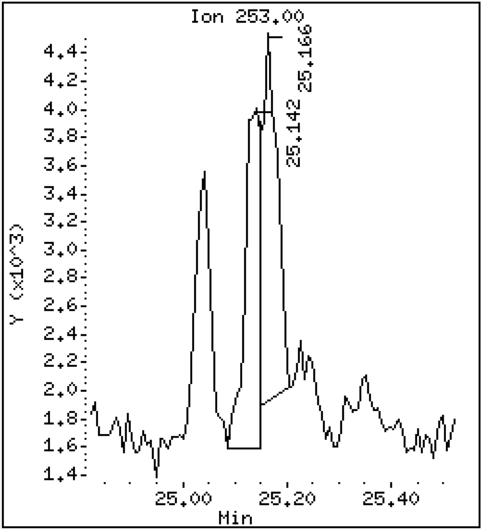
75 Benzo(k)fluoranthene (Reference Spectrum)



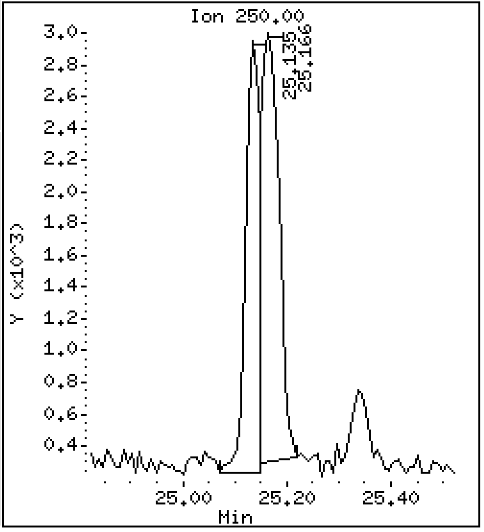
Scan 2627 (25.173 min) of NT1423010626.D (% DIFFERENCE)



Ion 252.00



Ion 253.00



Ion 250.00

Data File: \\target\share\chem3\nt14.i\20230106.b\NT1423010626.D

Date : 07-JAN-2023 02:39

Client ID:

Instrument: nt14.i

Sample Info: 22L0307-36

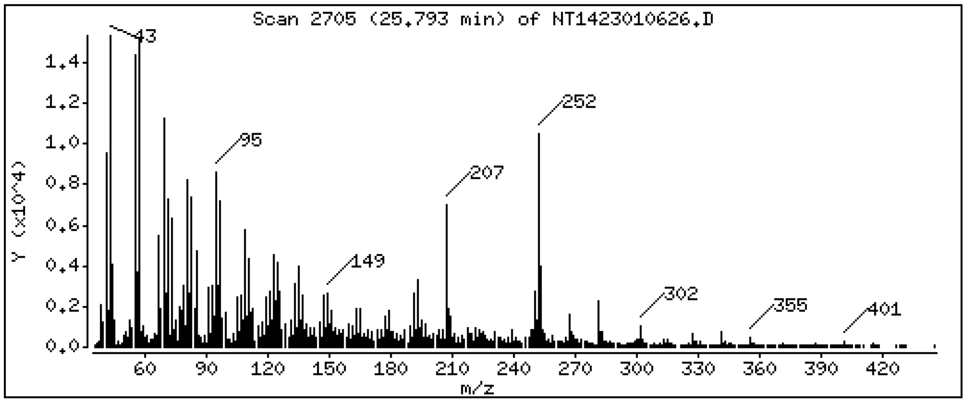
Operator: VTS

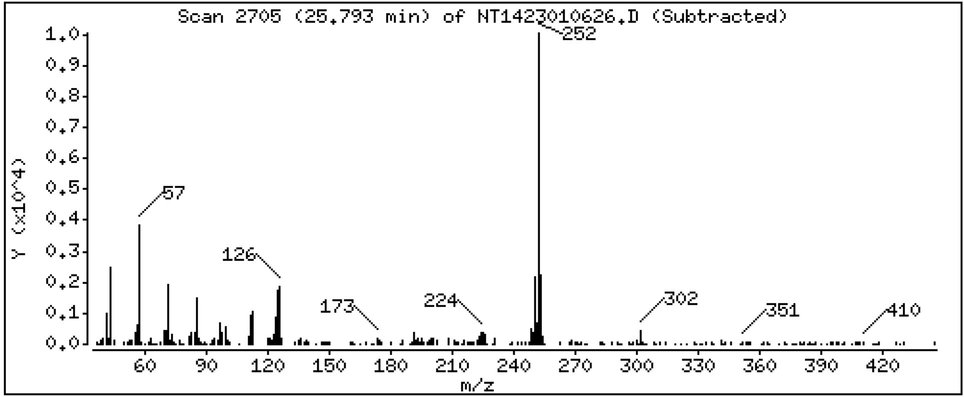
Column phase: ZB-5msi

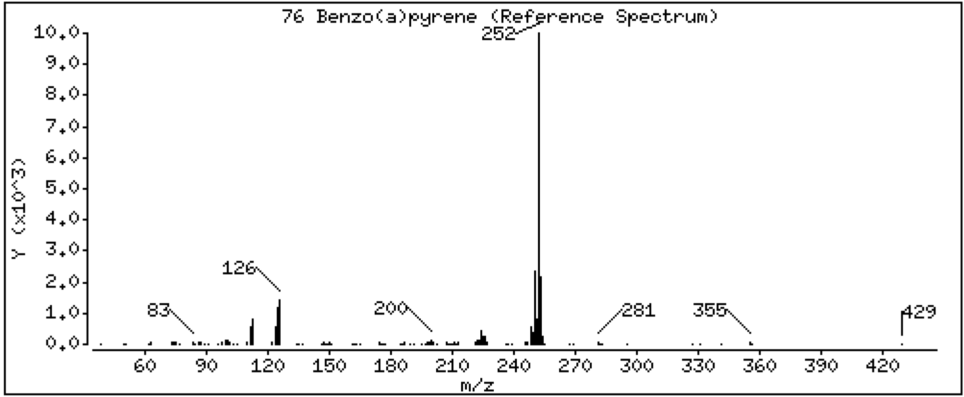
Column diameter: 0.25

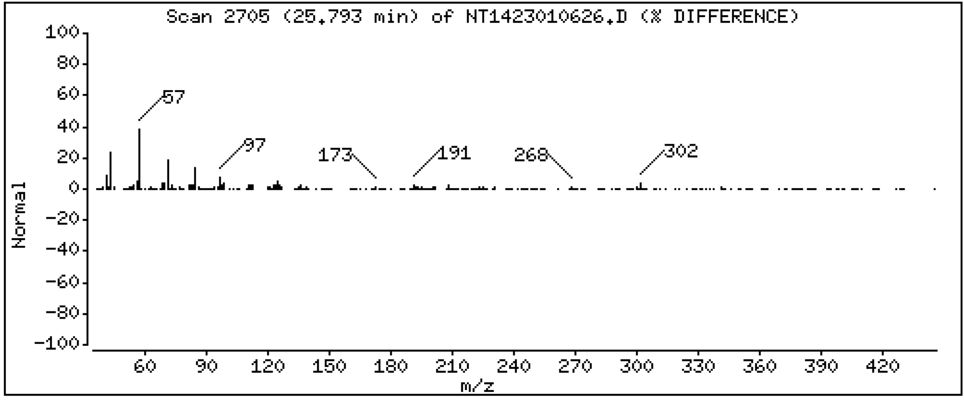
76 Benzo(a)pyrene

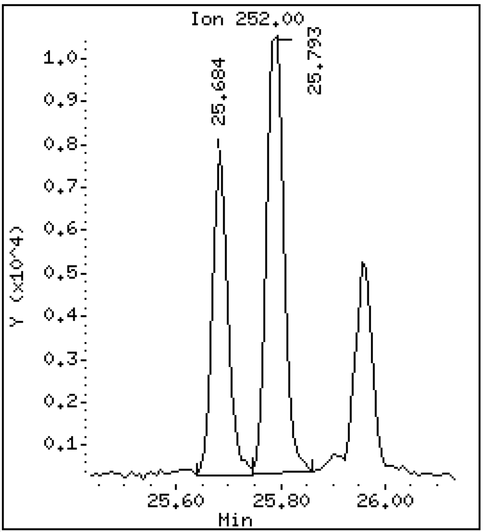
Concentration: 0.2956 ug/mL


Scan 2705 (25.793 min) of NT1423010626.D


Scan 2705 (25.793 min) of NT1423010626.D (Subtracted)


76 Benzo(a)pyrene (Reference Spectrum)


Scan 2705 (25.793 min) of NT1423010626.D (% DIFFERENCE)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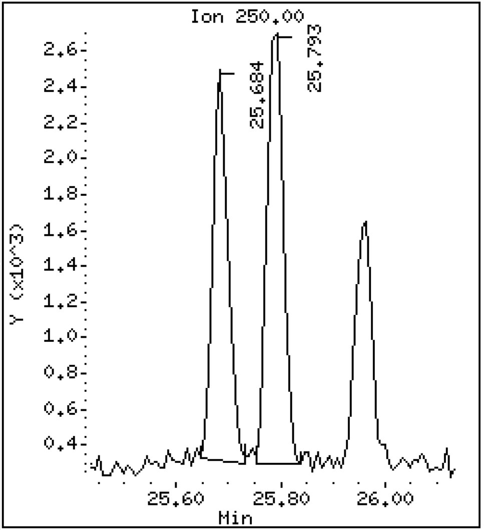
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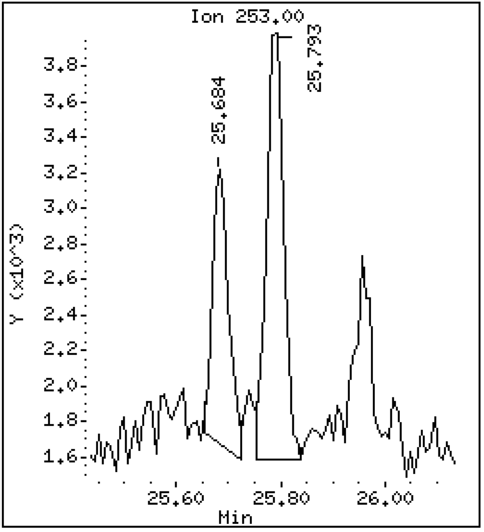

Ion 253.00

Data File: \\target\share\chem3\nt14.i\20230106.b\NT1423010626.D Page 22

Date : 07-JAN-2023 02:39

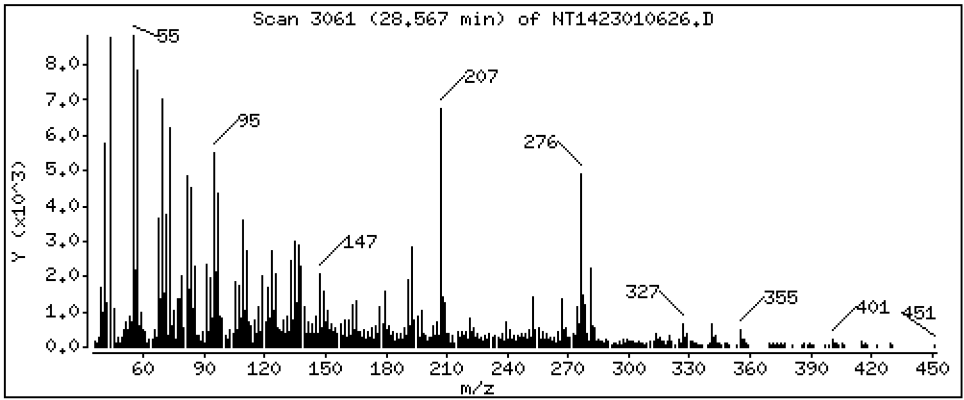
Client ID: Instrument: nt14.i

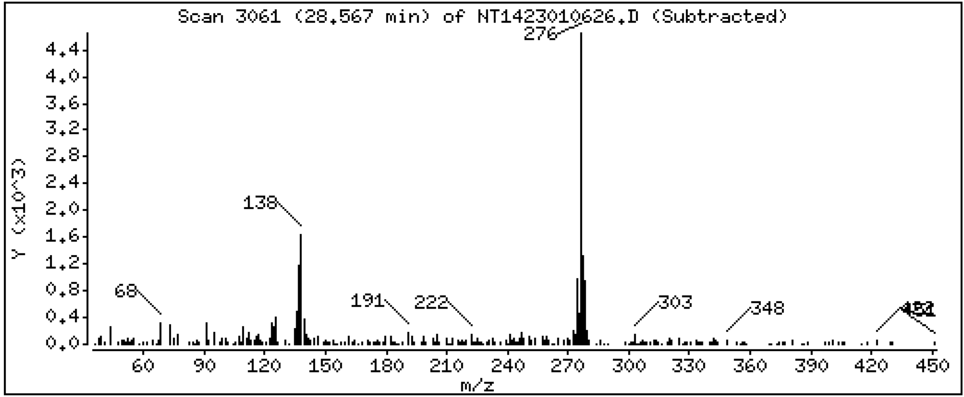
Sample Info: 22L0307-36

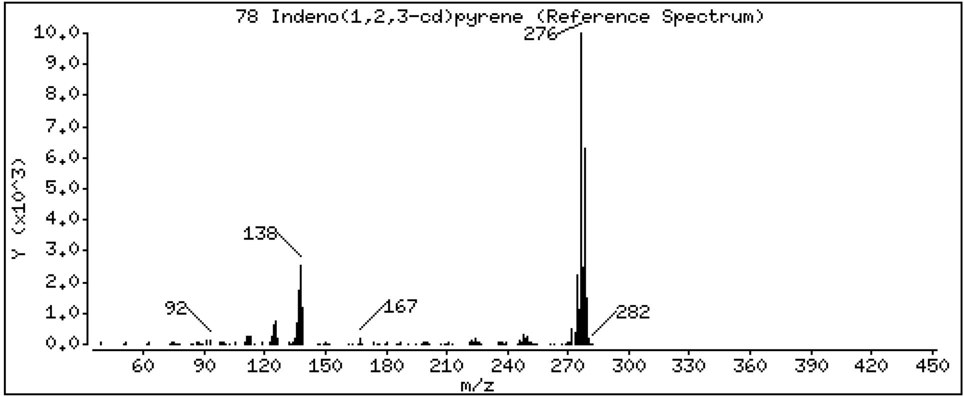
Operator: VTS

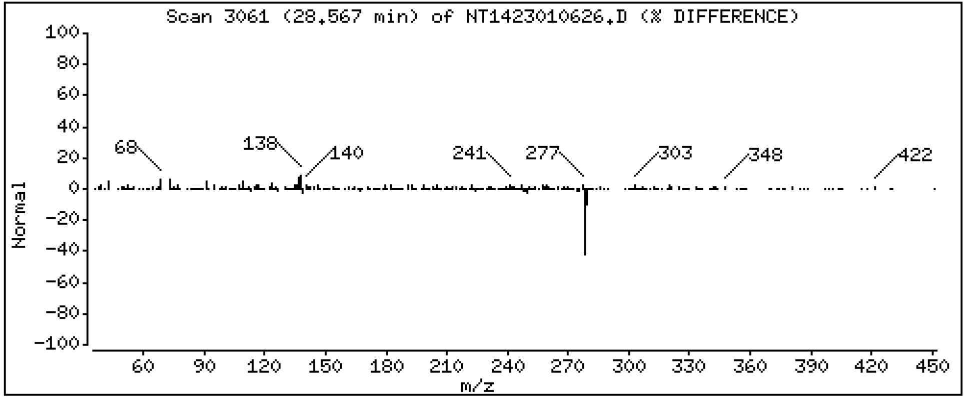
Column phase: ZB-5msi Column diameter: 0.25

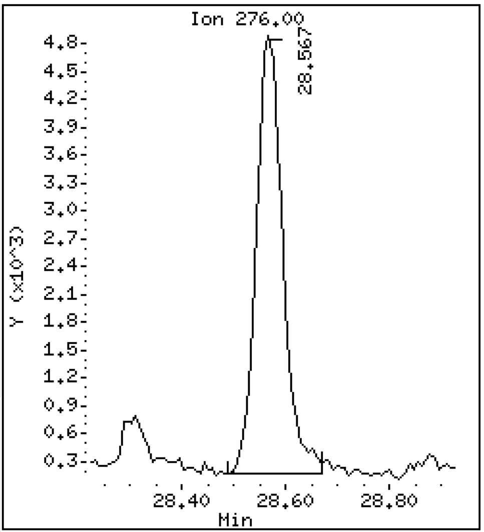
78 Indeno(1,2,3-cd)pyrene Concentration: 0.1923 ug/mL


Scan 3061 (28.567 min) of NT1423010626.D


Scan 3061 (28.567 min) of NT1423010626.D (Subtracted)


78 Indeno(1,2,3-cd)pyrene (Reference Spectrum)


Scan 3061 (28.567 min) of NT1423010626.D (% DIFFERENCE)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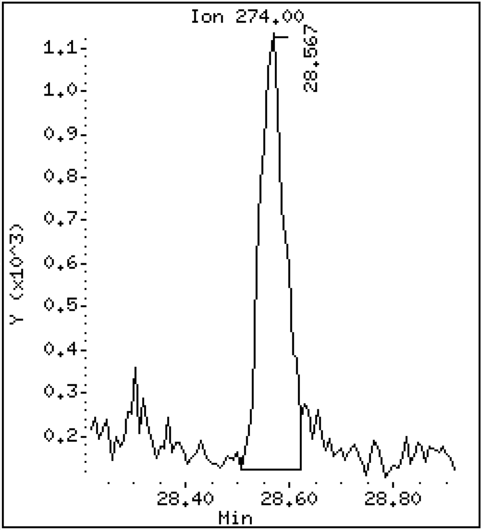
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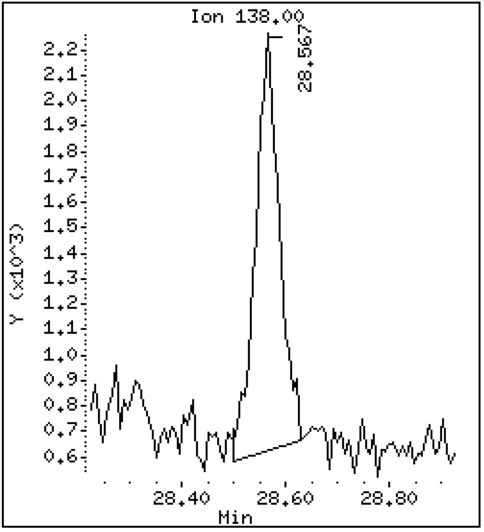
Ion 138.00

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Date : 07-JAN-2023 02:39

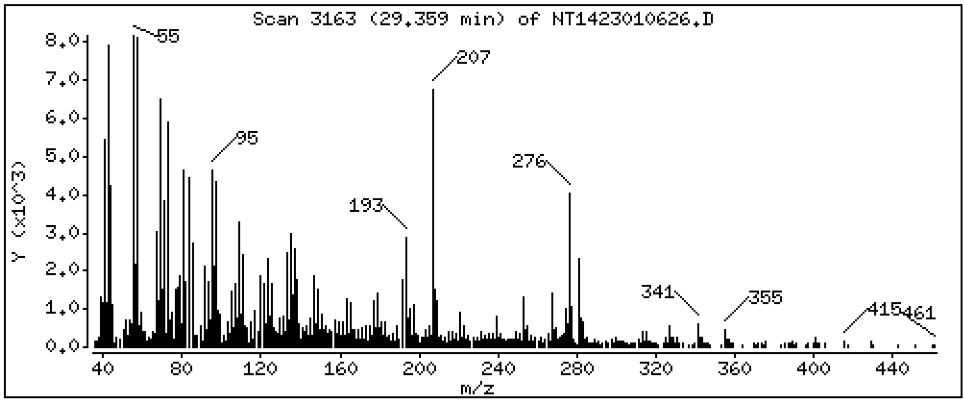
Client ID: Instrument: nt14.i

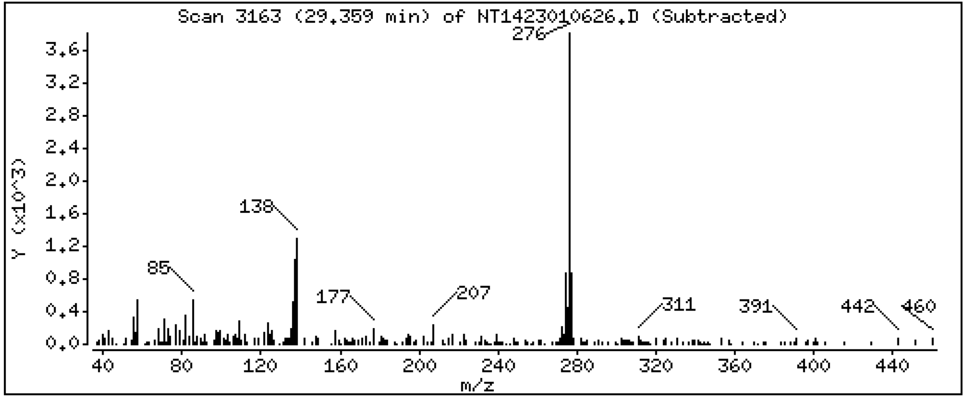
Sample Info: 22L0307-36

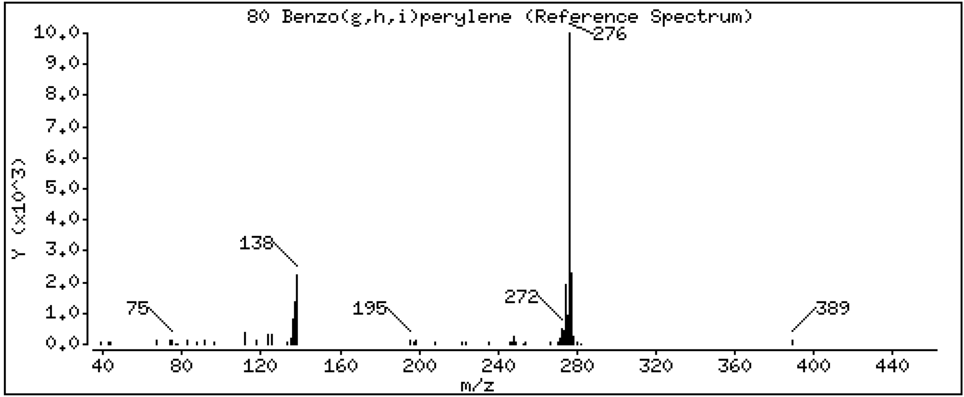
Operator: VTS

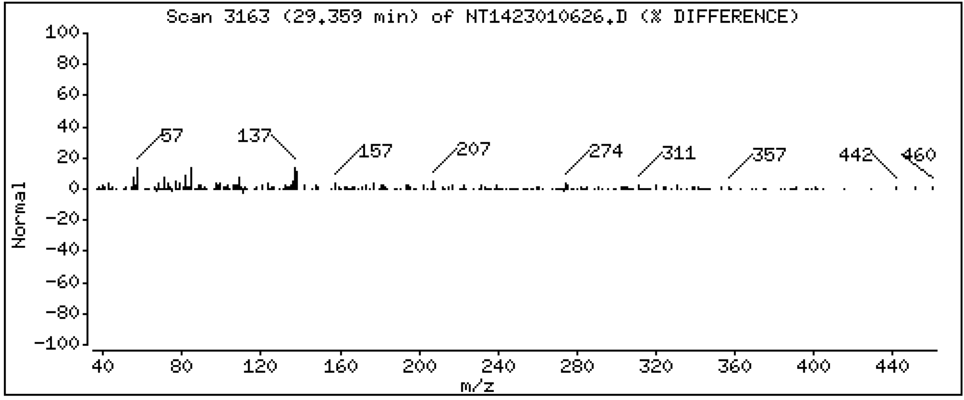
Column phase: ZB-5msi Column diameter: 0.25

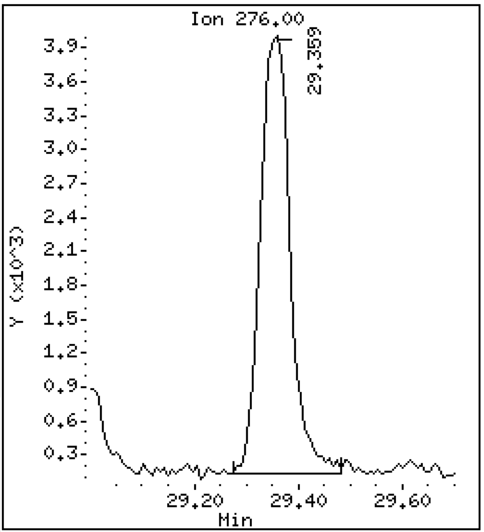
80 Benzo(g,h,i)perylene Concentration: 0.2124 ug/mL

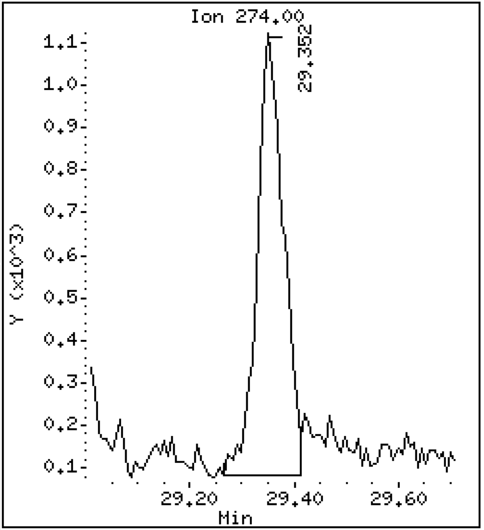


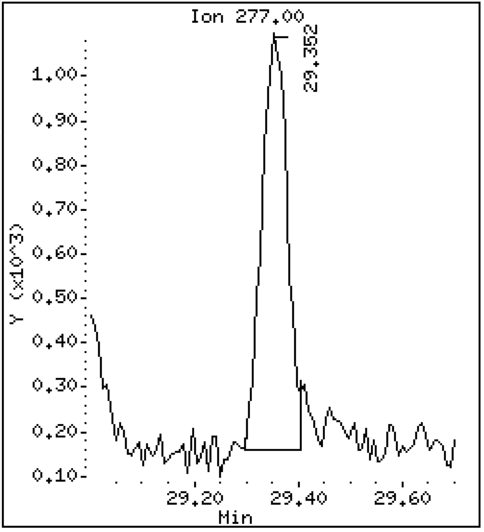












Data File: \\target\share\chem3\nt14.i\20230106.b\NT1423010626.D

Date : 07-JAN-2023 02:39

Client ID:

Instrument: nt14.i

Sample Info: 22L0307-36

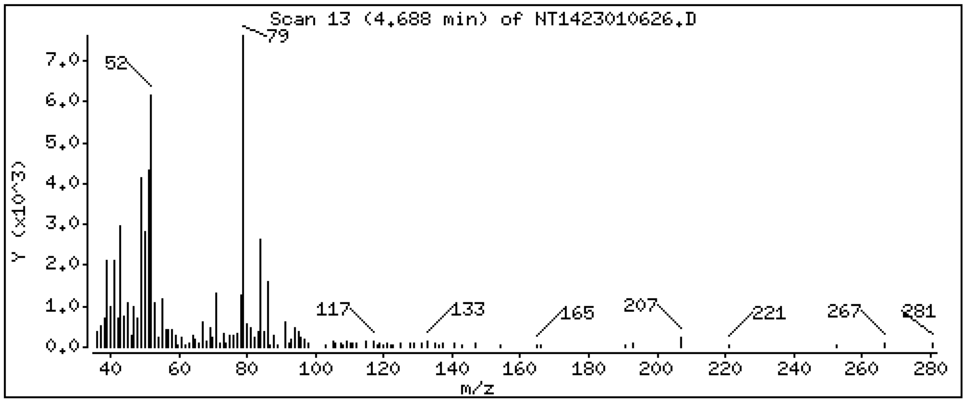
Operator: VTS

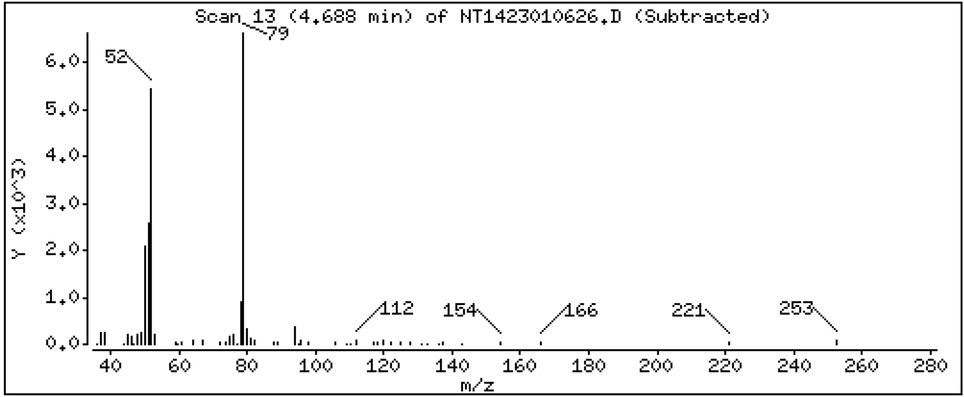
Column phase: ZB-5msi

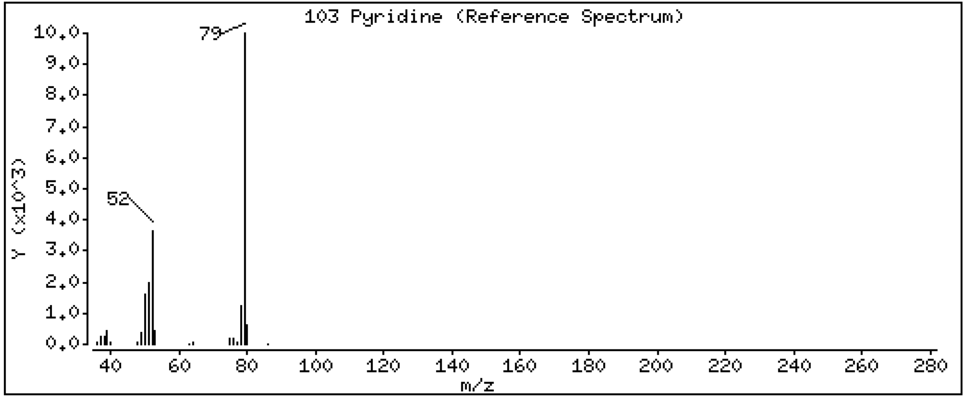
Column diameter: 0.25

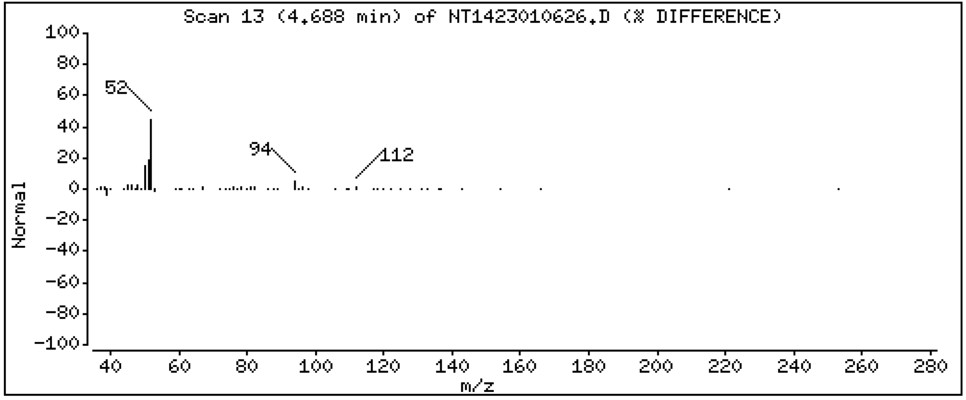
103 Pyridine

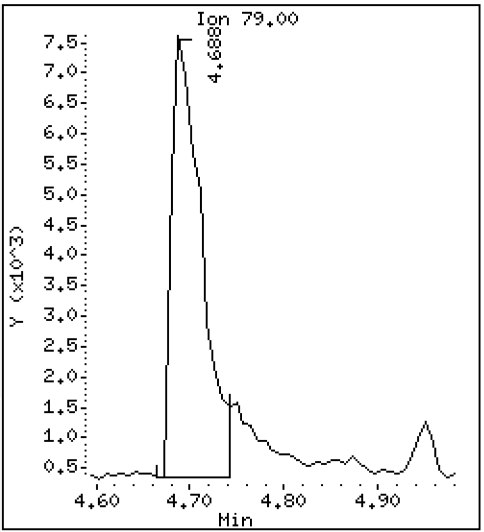
Concentration: 0.2053 ug/mL

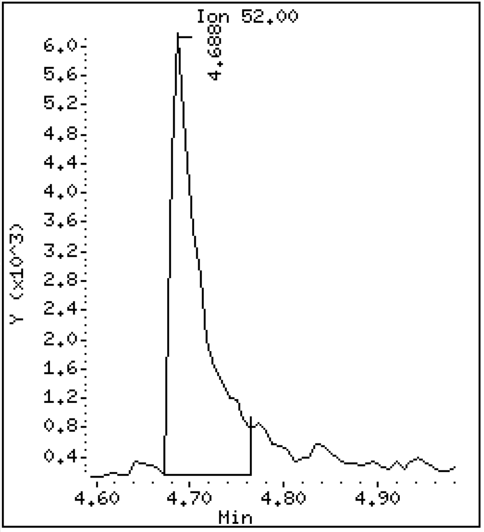

Scan 13 (4.688 min) of NT1423010626.D


Scan 13 (4.688 min) of NT1423010626.D (Subtracted)


103 Pyridine (Reference Spectrum)


Scan 13 (4.688 min) of NT1423010626.D (% DIFFERENCE)


Ion 79.00


Ion 52.00

Data File: \\target\share\chem3\nt14.i\20230106.b\NT1423010626.D

Date : 07-JAN-2023 02:39

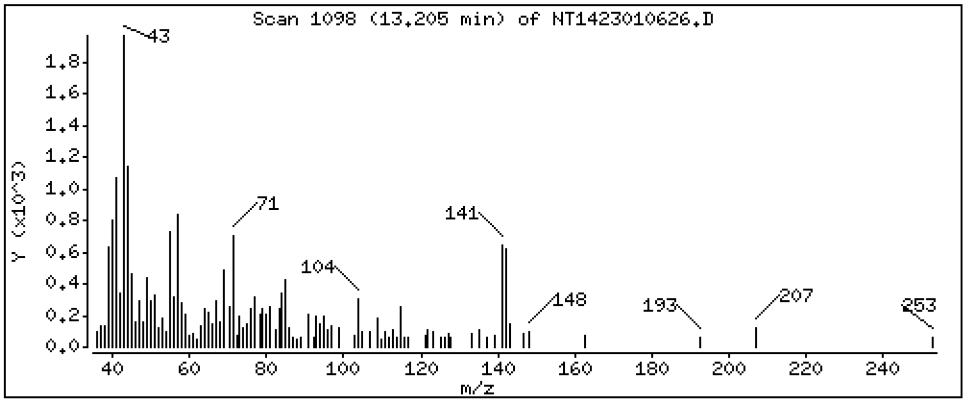
Client ID: Instrument: nt14.i

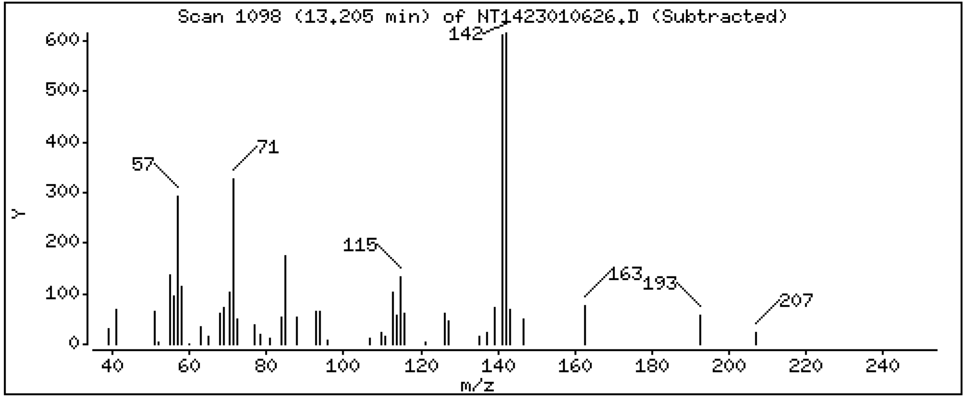
Sample Info: 22L0307-36

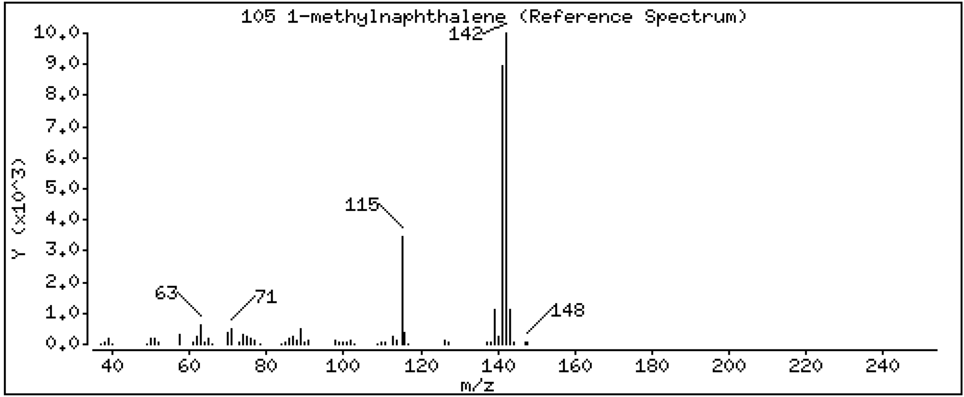
Operator: VTS

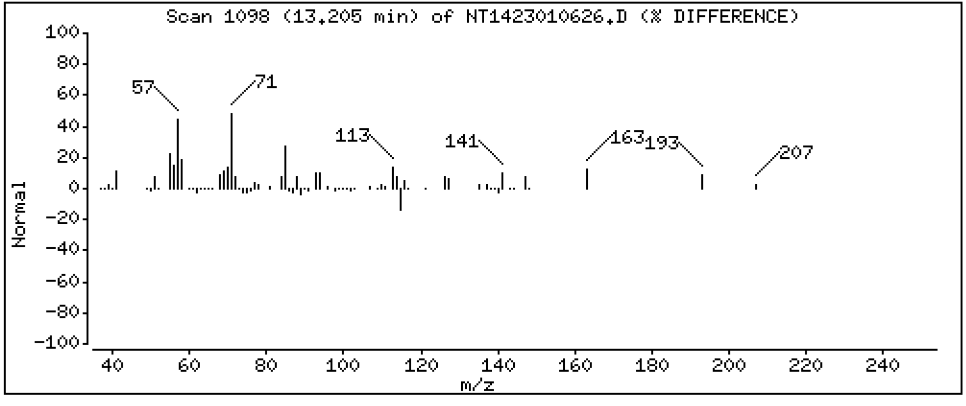
Column phase: ZB-5msi Column diameter: 0.25

105 1-methylnaphthalene Concentration: 0.01298 ug/mL


Scan 1098 (13.205 min) of NT1423010626.D


Scan 1098 (13.205 min) of NT1423010626.D (Subtracted)


105 1-methylnaphthalene (Reference Spectrum)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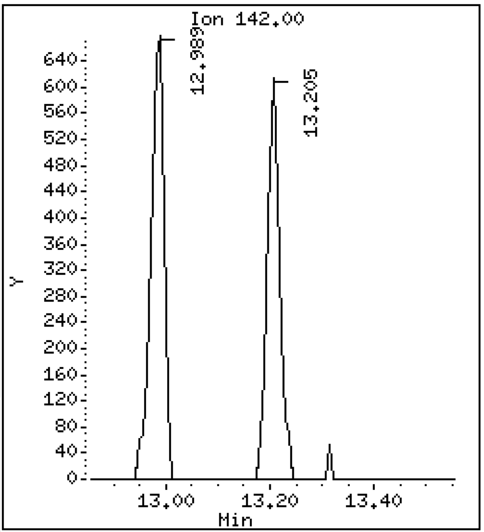
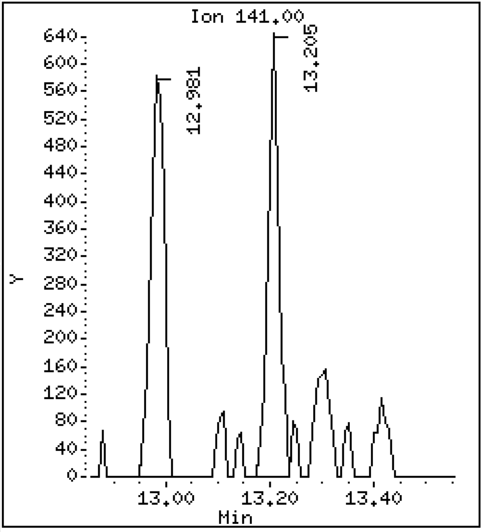

Ion 142.00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Data File: \\target\share\chem3\nt14.i\20230106.b\NT1423010626.D

Date : 07-JAN-2023 02:39

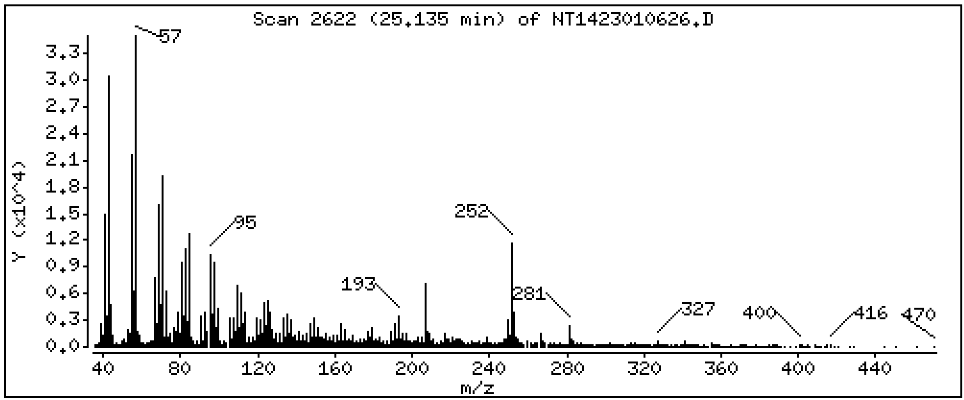
Client ID: Instrument: nt14.i

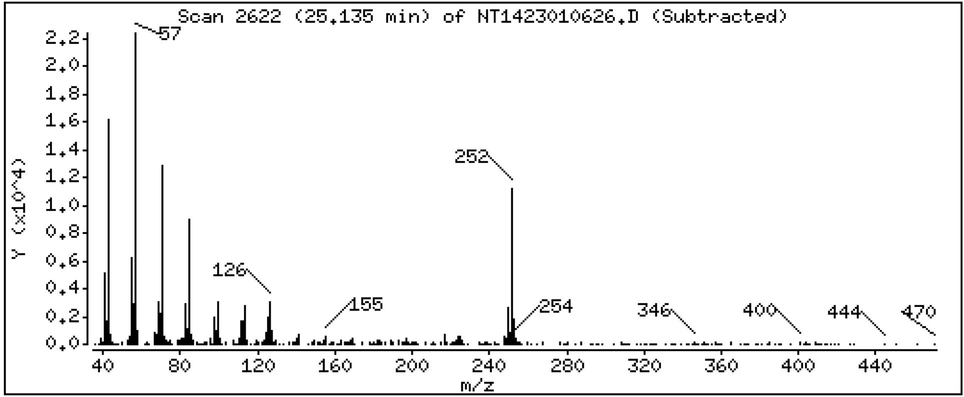
Sample Info: 22L0307-36

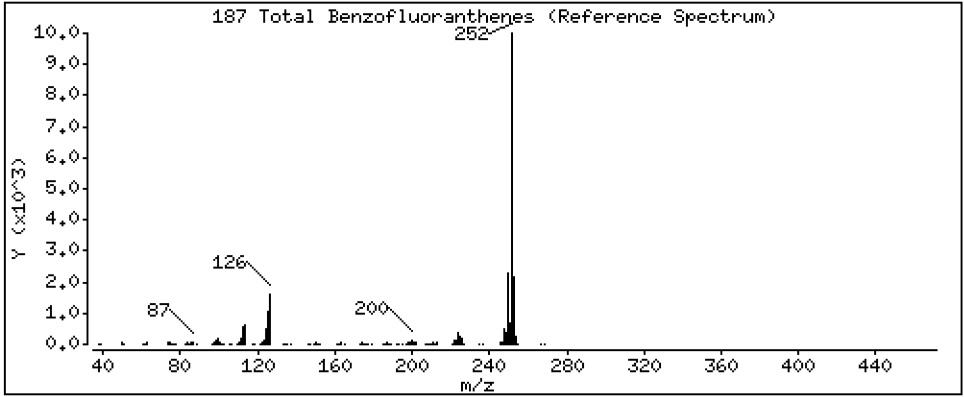
Operator: VTS

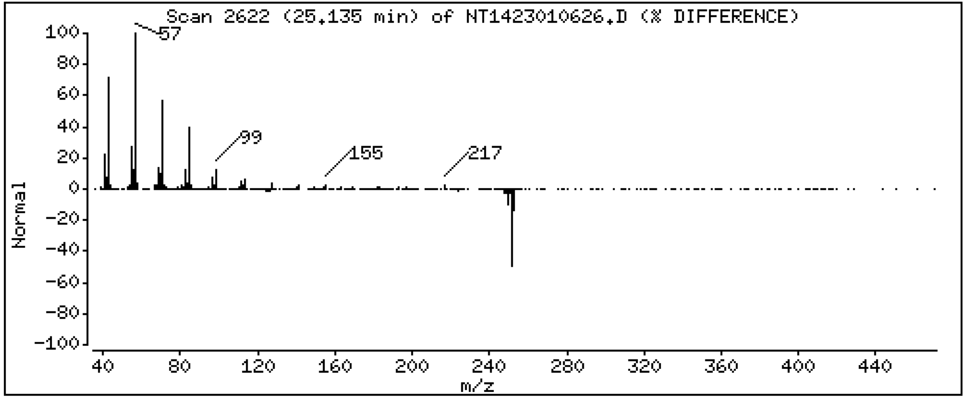
Column phase: ZB-5msi Column diameter: 0.25

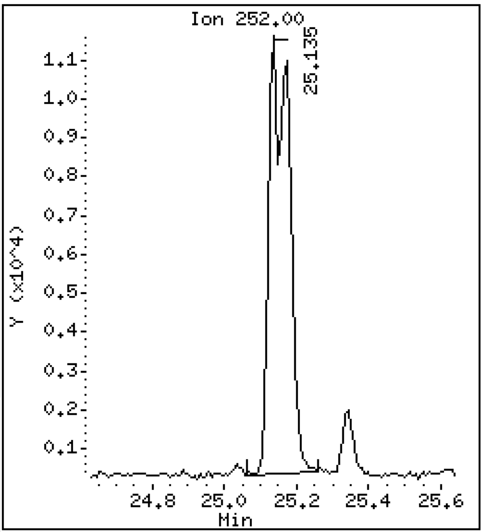
187 Total Benzofluoranthenes Concentration: 0.4991 ug/mL


Scan 2622 (25.135 min) of NT1423010626.D


Scan 2622 (25.135 min) of NT1423010626.D (Subtracted)


187 Total Benzofluoranthenes (Reference Spectrum)


Scan 2622 (25.135 min) of NT1423010626.D (% DIFFERENCE)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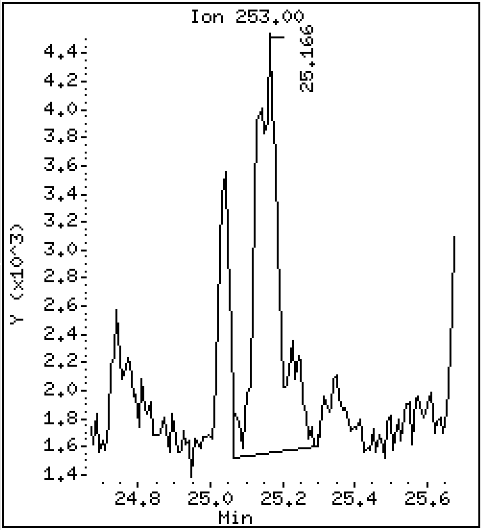
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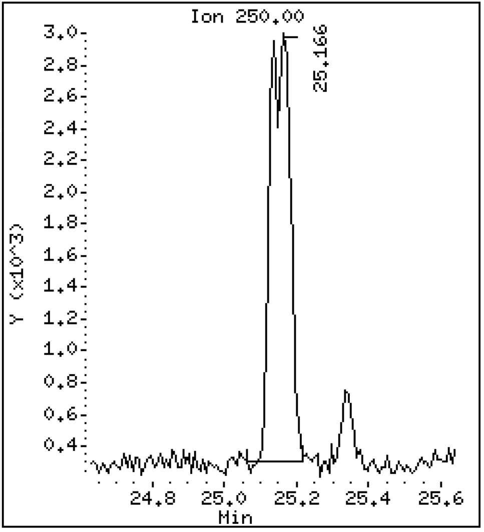
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Data File: \\target\share\chem3\nt14.i\20230106.b\NT1423010626.D Page 1
Report Date: 12-Jan-2023 08:15


                                  ARI Labs, Inc.

                       Semivolatile Report SW846 Method 8270D
Data file : \\target\share\chem3\nt14.i\20230106.b\NT1423010626.D
Lab Smp Id: 22L0307-36
Inj Date  : 07-JAN-2023 02:39            MS Autotune Date: 17-MAY-2011 01:22
Operator  : VTS                          Inst ID: nt14.i
Smp Info  : 22L0307-36
Misc Info :
Comment   : 1ul Injection
Method    : \\target\share\chem3\nt14.i\20230106.b\ABN.m
Meth Date : 12-Jan-2023 08:12 van        Quant Type: ISTD
Cal Date  : 30-DEC-2022 11:07            Cal File: NT1422123007.D
Als bottle: 23
Dil Factor: 1.00000
Integrator: HP RTE                       Compound Sublist: ICAL.sub
Target Version:  4.14
Processing Host: VANS-201906


                                                                                         CONCENTRATIONS
                                     QUANT SIG                                       ON-COLUMN    FINAL
Compounds                              MASS         RT   EXP RT   REL RT  RESPONSE     (ug/mL)    (ug/mL)
==========================             ====        ==== ======== ======== ========     =======    =======
$   1 2-Fluorophenol                   112        6.826   6.811 (0.755)     206295     5.61182      5.612
$   2 Phenol-d5                         99        8.410   8.403 (0.931)     270266     5.94910      5.949
    3 Phenol                            94           Compound Not Detected.
$   5 2-Chlorophenol-d4                132        8.680   8.673 (0.961)     235717     6.17807      6.178
    4 Bis(2-Chloroethyl)ether           93           Compound Not Detected.
    6 2-Chlorophenol                   128           Compound Not Detected.
    7 1,3-Dichlorobenzene              146           Compound Not Detected.
*   8 1,4-Dichlorobenzene-d4           152        9.036   9.037 (1.000)     114744     4.00000
    9 1,4-Dichlorobenzene              146           Compound Not Detected.
$  10 1,2-Dichlorobenzene-d4           152        9.401   9.401 (1.040)     103026     3.95080      3.951
   12 1,2-Dichlorobenzene              146           Compound Not Detected.
   11 Benzyl alcohol                   108           Compound Not Detected.
   14 2,2'-oxybis(1-Chloropropane)     121           Compound Not Detected.
   13 2-Methylphenol                   108           Compound Not Detected.
   17 Hexachloroethane                 117           Compound Not Detected.
   16 N-Nitroso-di-n-propylamine        70           Compound Not Detected.
   15 4-Methylphenol                   108           Compound Not Detected.
$  18 Nitrobenzene-d5                   82       10.131  10.131 (0.878)     180104     5.00314      5.003
   19 Nitrobenzene                      77        9.836  10.170 (0.852)      11750     0.32866     0.3287
   20 Isophorone                        82           Compound Not Detected.
   21 2-Nitrophenol                    139           Compound Not Detected.
   22 2,4-Dimethylphenol               107           Compound Not Detected.
   23 Bis(2-Chloroethoxy)methane        93           Compound Not Detected.
   24 Benzoic acid                     105           Compound Not Detected.
   25 2,4-Dichlorophenol               162           Compound Not Detected.
   26 1,2,4-Trichlorobenzene           180           Compound Not Detected.
*  27 Naphthalene-d8                   136       11.542  11.534 (1.000)     426297     4.00000
   28 Naphthalene                      128       11.581  11.581 (1.003)       2944     0.02806    0.02806
   29 4-Chloroaniline                  127           Compound Not Detected.
   30 Hexachlorobutadiene              225           Compound Not Detected.
   31 4-Chloro-3-methylphenol          107           Compound Not Detected.
   32 2-Methylnaphthalene              142       12.988  12.981 (1.125)       1196     0.01554    0.01554(H)
   33 Hexachlorocyclopentadiene        237           Compound Not Detected.
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                                                                                      CONCENTRATIONS
                                      QUANT SIG                                     ON-COLUMN    FINAL
Compounds                               MASS          RT   EXP RT   REL RT  RESPONSE    (ug/mL)    (ug/mL)
==========================              ====          ==== ======== ======== ========    =======    =======
   34 2,4,6-Trichlorophenol              196             Compound Not Detected.
   35 2,4,5-Trichlorophenol              196             Compound Not Detected.
$  36 2-Fluorobiphenyl                  172         13.770  13.770 (0.908)     321097    4.65449      4.654
   37 2-Chloronaphthalene                162             Compound Not Detected.
   38 2-Nitroaniline                      65             Compound Not Detected.
   39 Dimethylphthalate                  163             Compound Not Detected.
   40 Acenaphthylene                     152             Compound Not Detected.
   41 2,6-Dinitrotoluene                 165             Compound Not Detected.
*  42 Acenaphthene-d10                  164         15.171  15.171 (1.000)     205182    4.00000
   43 3-Nitroaniline                     138             Compound Not Detected.
   44 Acenaphthene                       153             Compound Not Detected.
   45 2,4-Dinitrophenol                  184             Compound Not Detected.
   46 Dibenzofuran                      168         15.565  15.565 (1.026)        999    0.01200    0.01200
   47 4-Nitrophenol                      109             Compound Not Detected.
   48 2,4-Dinitrotoluene                 165             Compound Not Detected.
   50 Diethylphthalate                  149         16.129  16.137 (1.063)      14312    0.18197     0.1820(H)
   49 Fluorene                          166         16.284  16.284 (1.073)       1370    0.01547    0.01547
   51 4-Chlorophenyl-phenylether         204             Compound Not Detected.
   52 4-Nitroaniline                     138             Compound Not Detected.
   53 4,6-Dinitro-2-methylphenol         198             Compound Not Detected.
   54 N-Nitrosodiphenylamine             169             Compound Not Detected.
$  55 2,4,6-Tribromophenol              330         16.816  16.816 (1.108)      57691    5.82010      5.820
   56 4-Bromophenyl-phenylether          248             Compound Not Detected.
   57 Hexachlorobenzene                  284             Compound Not Detected.
   58 Pentachlorophenol                 266         17.959  17.952 (0.986)        728    0.06758    0.06758
*  59 Phenanthrene-d10                  188         18.222  18.215 (1.000)     348927    4.00000
   60 Phenanthrene                      178         18.269  18.269 (1.003)      22782    0.25042     0.2504
   61 Anthracene                        178         18.362  18.362 (1.008)       5541    0.06380    0.06380
   62 Carbazole                         167         18.694  18.687 (1.026)       1361    0.01621    0.01621
   63 Di-n-butylphthalate               149         19.491  19.491 (1.070)       3587    0.03790    0.03790
   64 Fluoranthene                      202         20.660  20.652 (0.888)      53633    0.63973     0.6397
   65 Pyrene                            202         21.085  21.077 (0.906)      58890    0.66808     0.6681
$  66 Terphenyl-d14                     244         21.371  21.364 (0.918)     327609    5.24154      5.242
   67 Butylbenzylphthalate              149         22.293  22.285 (0.958)       7697    0.23150     0.2315
   68 Benzo(a)anthracene                228         23.245  23.245 (0.999)      21206    0.26885     0.2689
*  69 Chrysene-d12                      240         23.276  23.276 (1.000)     260377    4.00000
   70 3,3'-Dichlorobenzidine             252             Compound Not Detected.
   71 Chrysene                          228         23.315  23.315 (1.002)      23991    0.32200     0.3220
   72 bis(2-Ethylhexyl)phthalate        149         23.315  23.315 (0.960)      15485    0.26524     0.2652
* 134 Di-n-octylphthalate-d4            153         24.298  24.298 (1.000)     525681    4.00000
   73 Di-n-octylphthalate                149             Compound Not Detected.
   74 Benzo(b)fluoranthene              252         25.134  25.134 (0.970)      21641    0.23538     0.2354
   75 Benzo(k)fluoranthene              252         25.173  25.173 (0.972)      26601    0.28427     0.2843
   76 Benzo(a)pyrene                    252         25.792  25.785 (0.996)      22593    0.29560     0.2956
*  77 Perylene-d12                      264         25.908  25.901 (1.000)     292553    4.00000
   78 Indeno(1,2,3-cd)pyrene            276         28.567  28.574 (1.103)      16707    0.19229     0.1923
   79 Dibenzo(a,h)anthracene             278             Compound Not Detected.
   80 Benzo(g,h,i)perylene              276         29.359  29.351 (1.133)      15463    0.21245     0.2124
   90 N-Nitrosodimethylamine              74             Compound Not Detected.
   91 Aniline                             93             Compound Not Detected.
   93 Benzidine                          184             Compound Not Detected.
  103 Pyridine                           79          4.687   4.633 (0.519)      16519    0.20534     0.2053
  105 1-methylnaphthalene               142         13.205  13.205 (1.144)        960    0.01298    0.01298
  111 Azobenzene (1,2-DP-Hydrazine)       77             Compound Not Detected.
```

```
                                                                                            CONCENTRATIONS
                                      QUANT SIG                                           ON-COLUMN    FINAL
Compounds                               MASS         RT    EXP RT   REL RT  RESPONSE      (ug/mL)     (ug/mL)
==========================              ====        ==== ======== ======== ========      =======     =======
  187 Total Benzofluoranthenes           252      25.134  25.134 (0.970)      44363      0.49909      0.4991
  120 2,3,4,6-Tetrachlorophenol           232          Compound Not Detected.
```

QC Flag Legend

H - Operator selected an alternate compound hit.

Data File: \\target\share\chem3\nt14.i\20230106.b\NT1423010626.D Page 1
Report Date: 12-Jan-2023 08:15

ARI Labs, Inc.

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: nt14.i
Lab File ID: NT1423010626.D
Lab Smp Id: 22L0307-36
Analysis Type: SV
Quant Type: ISTD
Operator: VTS
Method File: \\target\share\chem3\nt14.i\20230106.b\ABN.m
Misc Info:

Calibration Date: 06-JAN-2023
Calibration Time: 22:27
Level:
Sample Type:

Test Mode:
Use Last Continuing Calibrator.

		AREA LIMIT			
COMPOUND	STANDARD	LOWER	UPPER	SAMPLE	%DIFF
8 1,4-Dichlorobenze	114022	57011	228044	114744	0.63
27 Naphthalene-d8	420653	210327	841306	426297	1.34
42 Acenaphthene-d10	216802	108401	433604	205182	-5.36
59 Phenanthrene-d10	366121	183061	732242	348927	-4.70
69 Chrysene-d12	276883	138442	553766	260377	-5.96
134 Di-n-octylphthala	540641	270321	1081282	525681	-2.77
77 Perylene-d12	308305	154153	616610	292553	-5.11

		RT LIMIT			
COMPOUND	STANDARD	LOWER	UPPER	SAMPLE	%DIFF
8 1,4-Dichlorobenze	9.04	8.54	9.54	9.04	-0.00
27 Naphthalene-d8	11.53	11.03	12.03	11.54	0.07
42 Acenaphthene-d10	15.17	14.67	15.67	15.17	-0.00
59 Phenanthrene-d10	18.22	17.72	18.72	18.22	0.04
69 Chrysene-d12	23.28	22.78	23.78	23.28	-0.00
134 Di-n-octylphthala	24.30	23.80	24.80	24.30	-0.00
77 Perylene-d12	25.90	25.40	26.40	25.91	0.03

AREA UPPER LIMIT = +100% of internal standard area.
AREA LOWER LIMIT = - 50% of internal standard area.
RT UPPER LIMIT = + 0.50 minutes of internal standard RT.
RT LOWER LIMIT = - 0.50 minutes of internal standard RT.

```
REVIEW SUMMARY FOR FILE - NT1423010626.D

Lab ID: 22L0307-36
nt14.i,  20230106.b\ABN.m,    07-JAN-2023 02:39


     RT      CO-ELUTION COMPOUNDS
---------------------------------------------------------------------------

            NO CO-ELUTIONS


Quant Method: ICAL



        RRT CHECK

   RRT    CCV RRT   DELTA    COMPOUND
 -------------------------------------

  0.852    0.882   -0.0295   Nitrobenzene
  0.519    0.513    0.0060   Pyridine

  RRT check based on Ccal File: NT1423010619.D


 On Column LOD for nt14.i, 20230106.b\ABN.m, ICAL.sub = 0.0000



 * Only compounds listed in the work order have been verified by the analyst *
```

LDW22-SC804D

Form I
ORGANIC ANALYSIS DATA SHEET
EPA 8270E
Semivolatiles (20ug/kg - 0.2ug/L SepF)

Laboratory:	Analytical Resources, LLC				
Client:	Anchor QEA, LLC				
Project:	AOC4 UR Phase 3				
Matrix:	Sediment	Laboratory ID:	22L0307-37 B	SDG:	22L0307
Sampled:	12/12/22 11:18	Prepared:	12/27/22 11:08	File ID:	NT1423010627.D
% Solids:	57.03	Preparation:	EPA 3546 (Microwave)	Analyzed:	01/07/23 03:15
Batch:	BKL0585	Sequence:	SLA0068	Initial/Final:	17.58 g Wet / 1 mL
Instrument:	NT14	Column:	ZB-5MS	Calibration:	FL00066

CAS NO.	COMPOUND	DILUTION	CONC: (ug/kg dry)	Q	DL	RL
85-68-7	Butylbenzylphthalate	3	1310	Q, D	28.2	59.8

SURROGATES	ADDED: (ug/kg dry)	FOUND: (ug/kg dry)	% REC	QC LIMITS	Q
p-Terphenyl-d14	498.71	430	86.3	37 - 120	

Data File: \\target\share\chem3\nt14.i\20230106.b\NT1423010627.D

Date : 07-JAN-2023 03:15

Client ID:

Sample Info: 22L0307-37

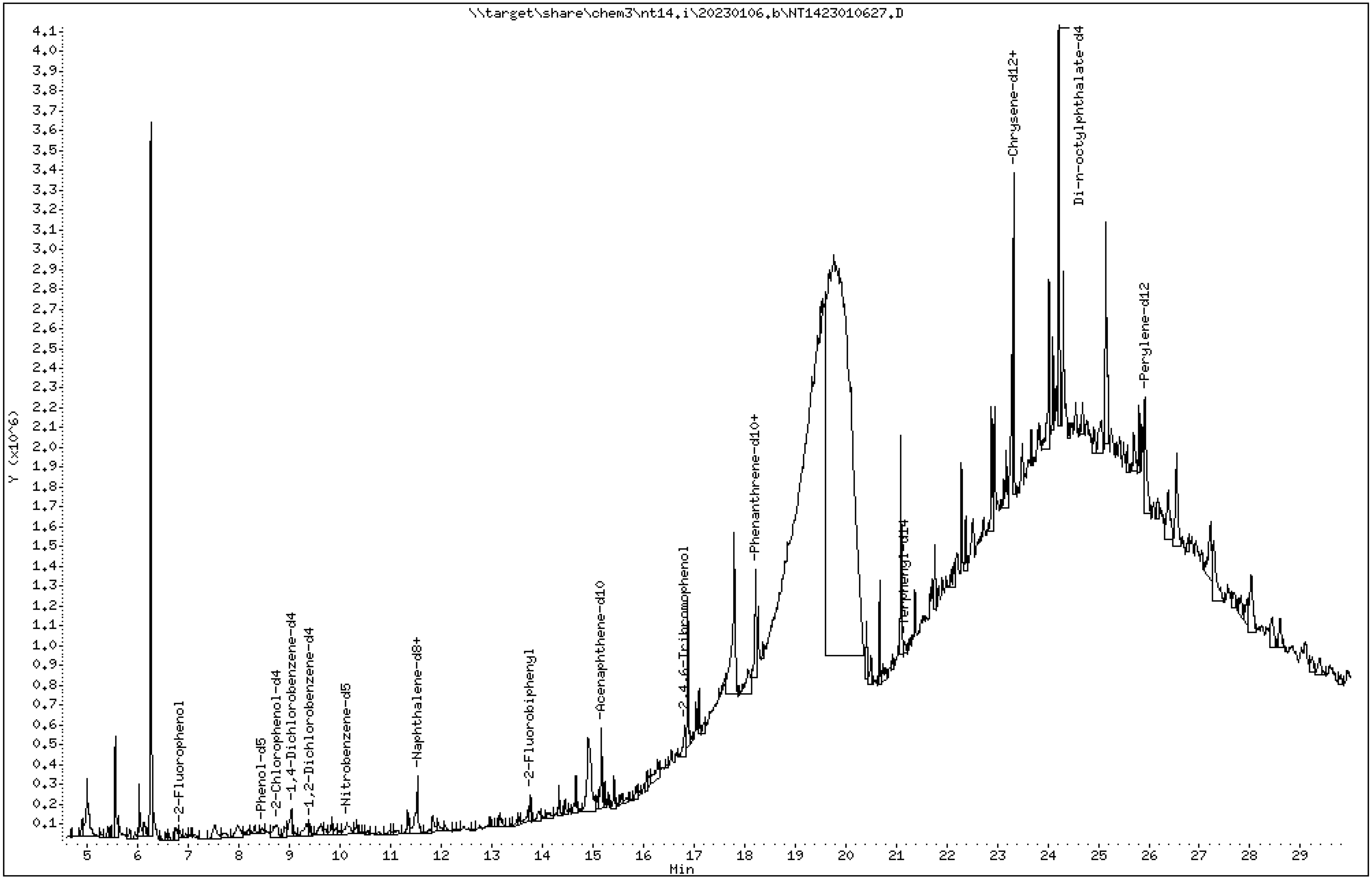
Column phase: ZB-5msi

Page 1

Instrument: nt14.i

Operator: VTS

Column diameter: 0.25



Data File: \\target\share\chem3\nt14.i\20230106.b\NT1423010627.D

Date : 07-JAN-2023 03:15

Client ID:

Instrument: nt14.i

Sample Info: 22L0307-37

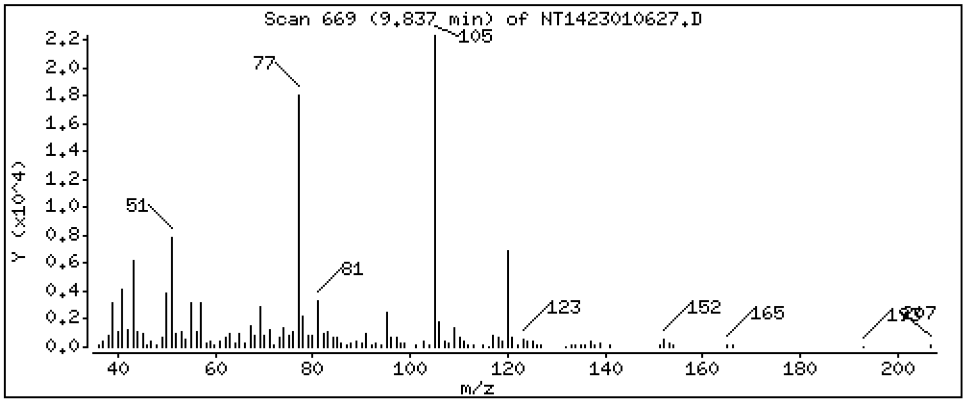
Operator: VTS

Column phase: ZB-5msi

Column diameter: 0.25

19 Nitrobenzene

Concentration: 3.118 ug/mL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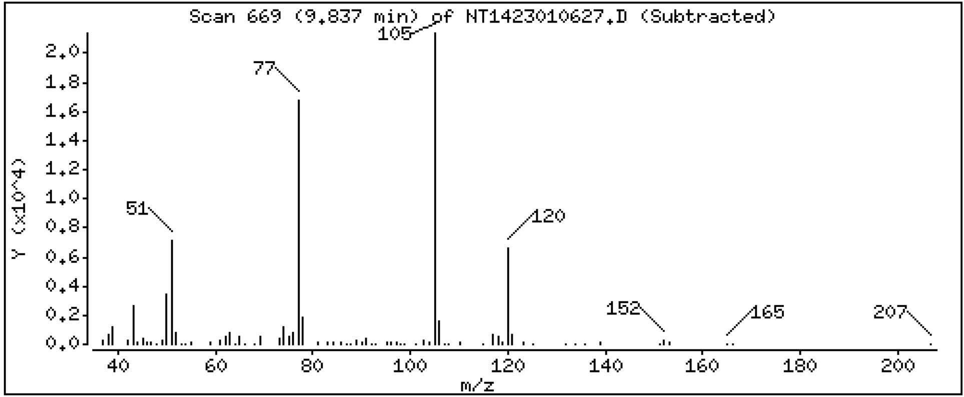
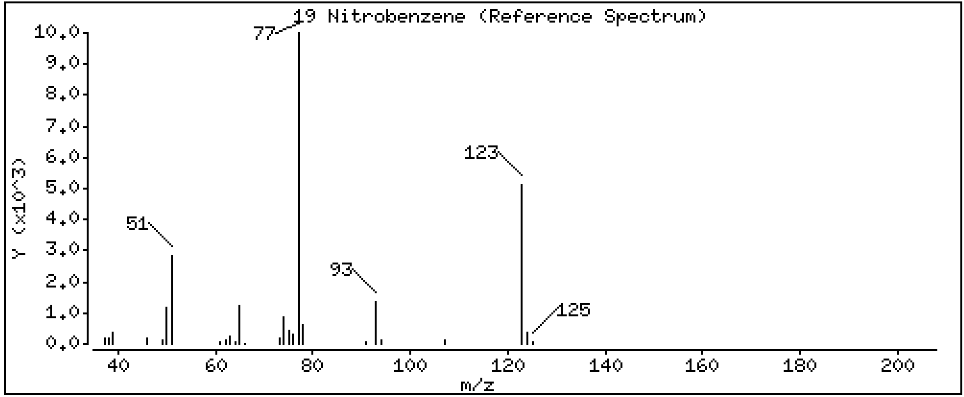
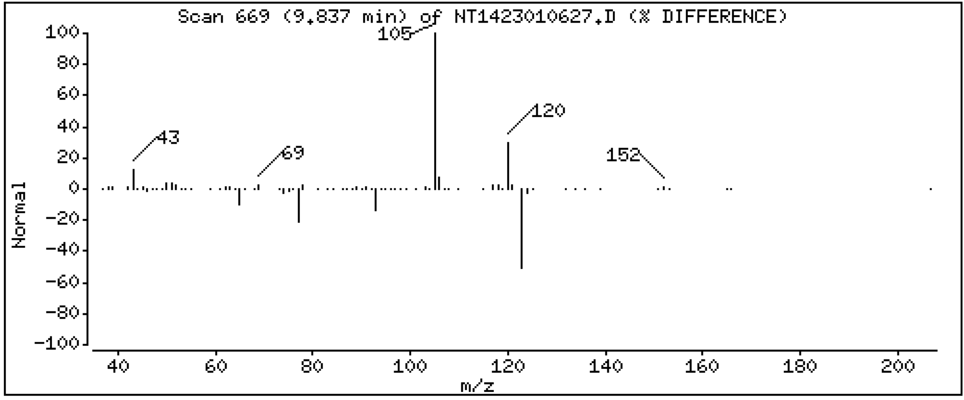

Scan 669 (9.837 min) of NT1423010627.D (Subtracted)


19 Nitrobenzene (Reference Spectrum)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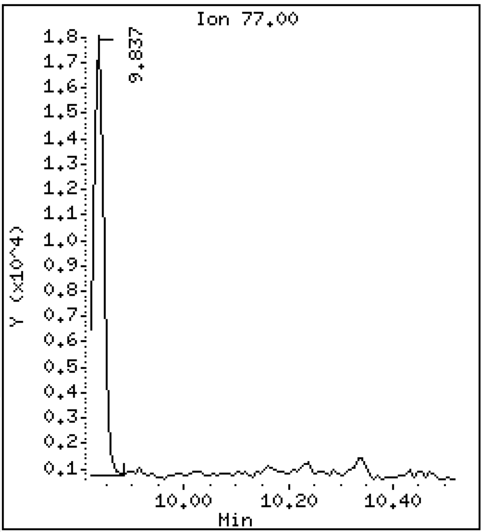
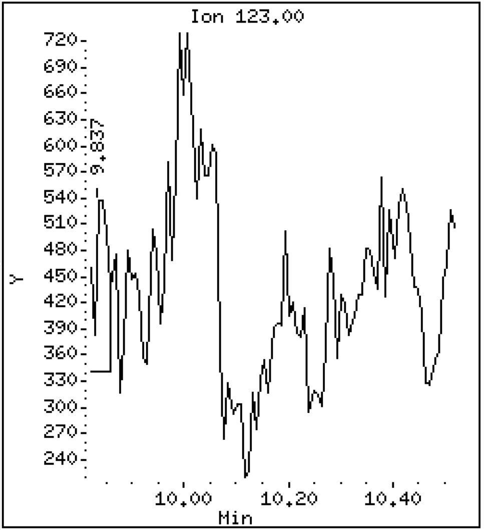
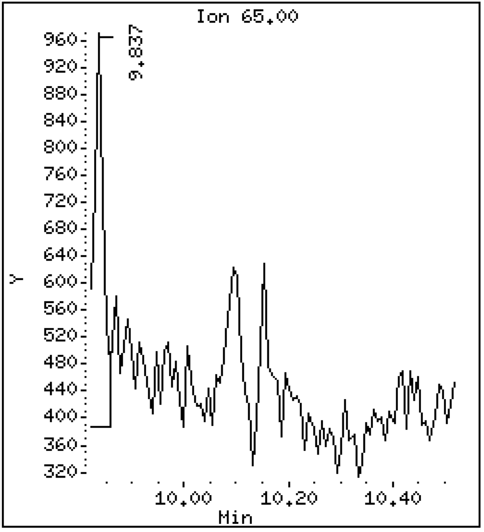

Ion 77.00


Ion 123.00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Data File: \\target\share\chem3\nt14.i\20230106.b\NT1423010627.D

Date : 07-JAN-2023 03:15

Client ID:

Instrument: nt14.i

Sample Info: 22L0307-37

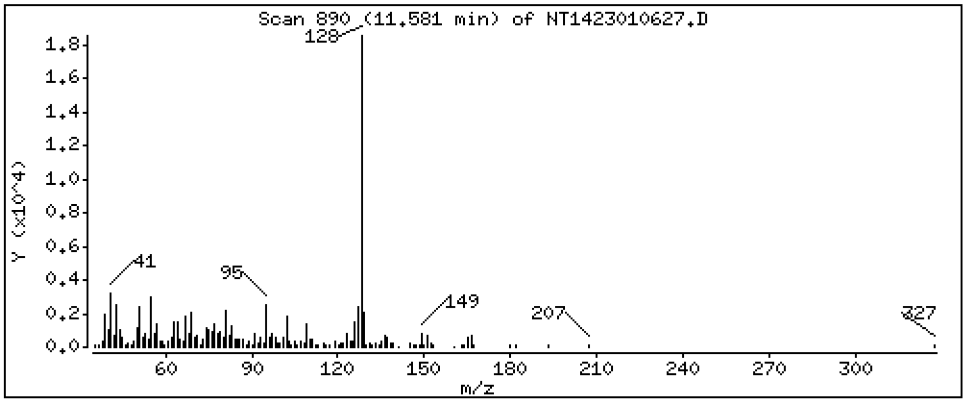
Operator: VTS

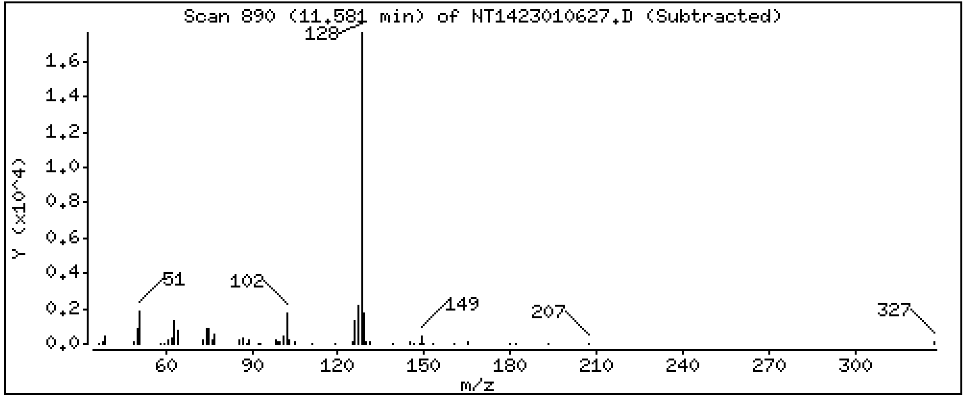
Column phase: ZB-5msi

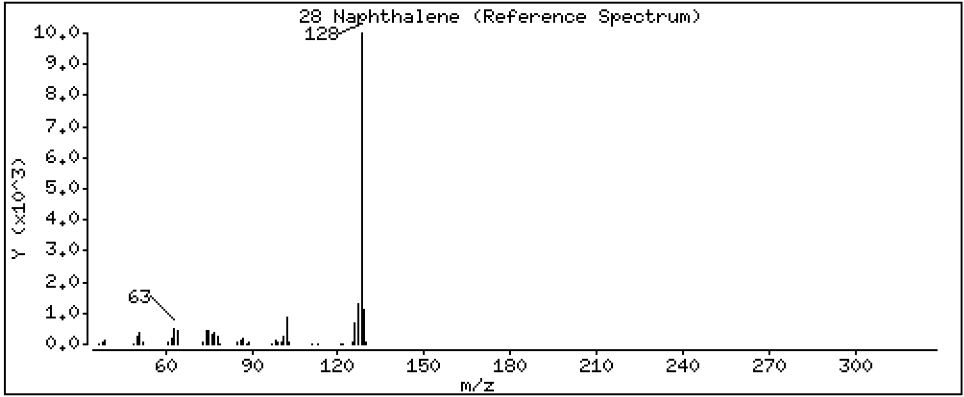
Column diameter: 0.25

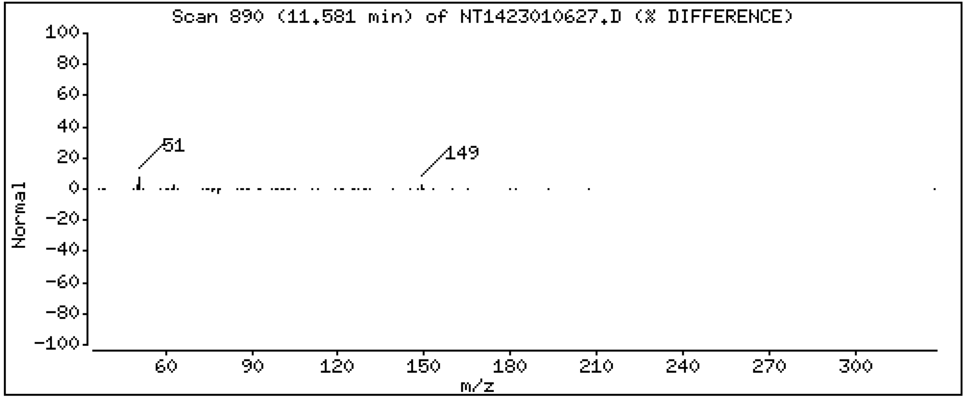
28 Naphthalene

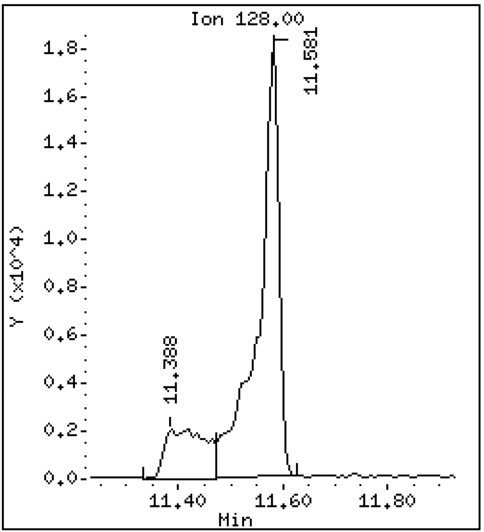
Concentration: 1.773 ug/mL

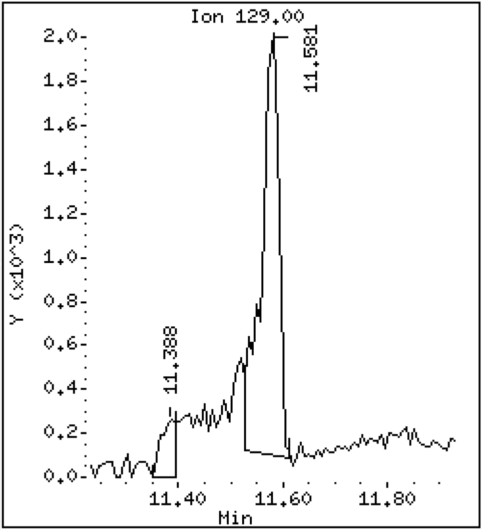

Scan 890 (11.581 min) of NT1423010627.D


Scan 890 (11.581 min) of NT1423010627.D (Subtracted)


28 Naphthalene (Reference Spectrum)


Scan 890 (11.581 min) of NT1423010627.D (% DIFFERENCE)


Ion 128.00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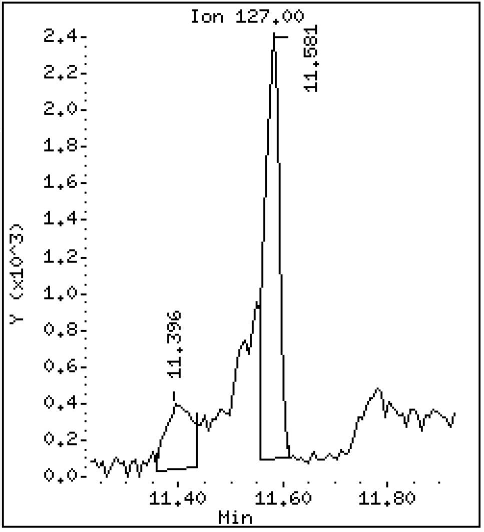

Ion 127.00

Data File: \\target\share\chem3\nt14.i\20230106.b\NT1423010627.D

Date : 07-JAN-2023 03:15

Client ID:

Instrument: nt14.i

Sample Info: 22L0307-37

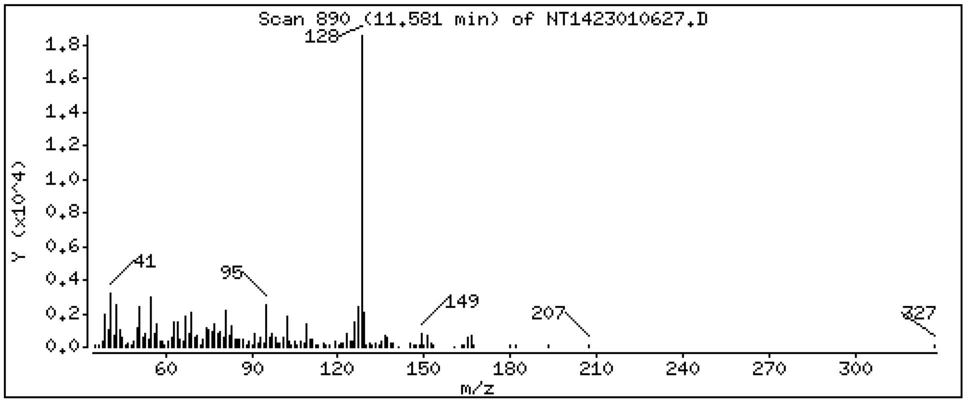
Operator: VTS

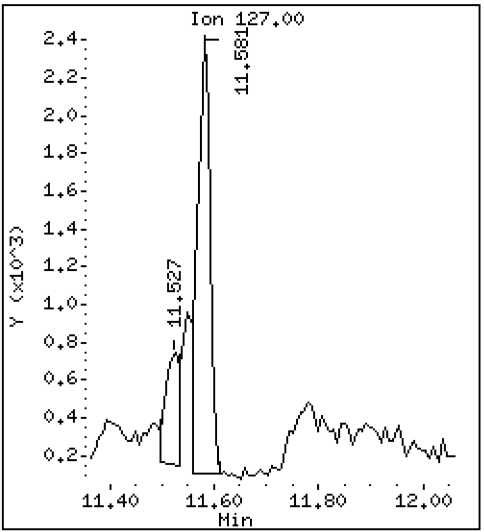
Column phase: ZB-5msi

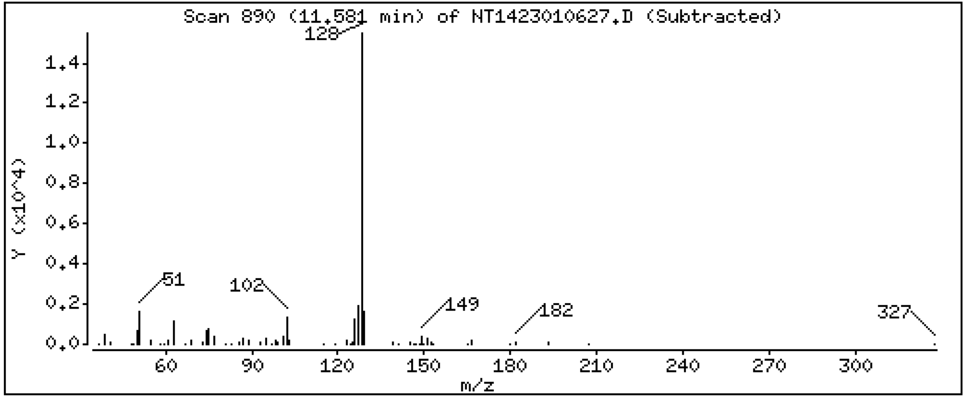
Column diameter: 0.25

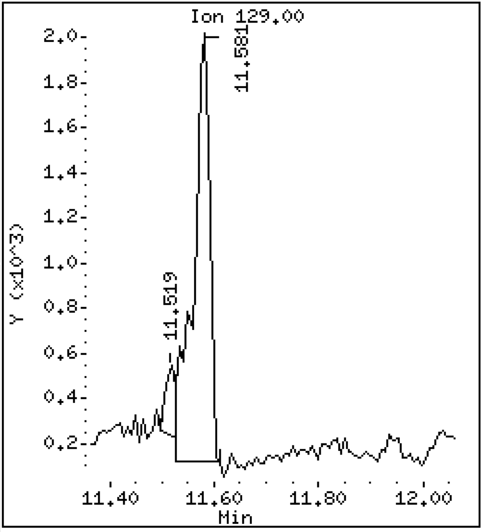
29 4-Chloroaniline

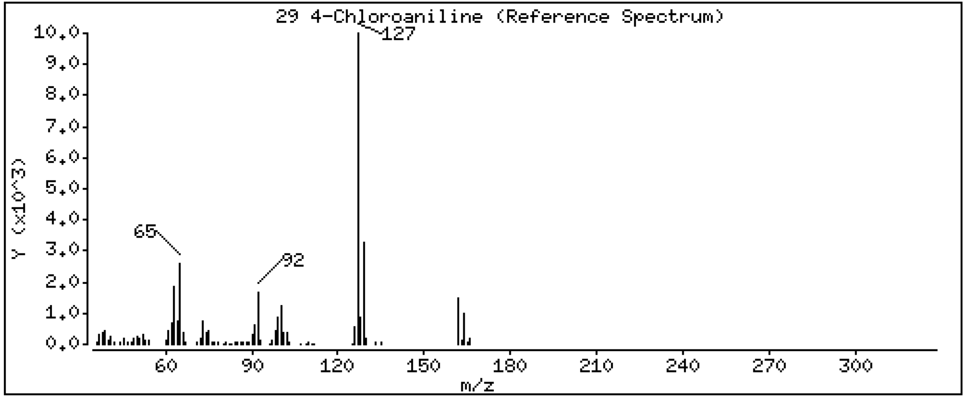
Concentration: 0.3790 ug/mL

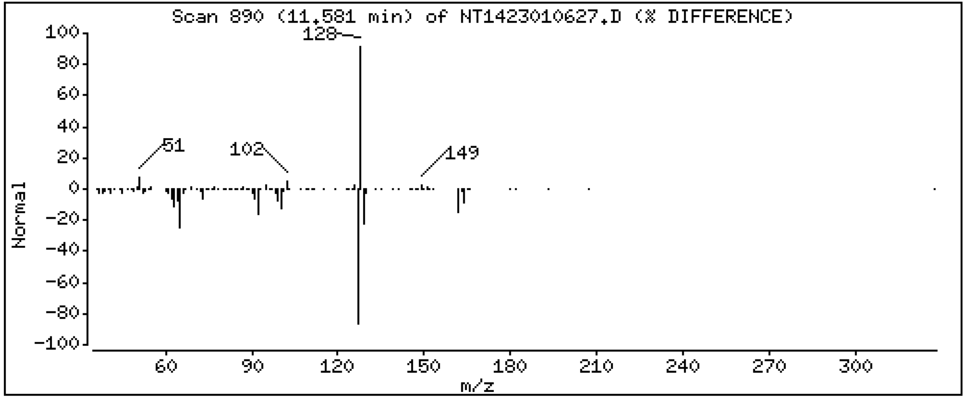












Data File: \\target\share\chem3\nt14.i\20230106.b\NT1423010627.D

Date : 07-JAN-2023 03:15

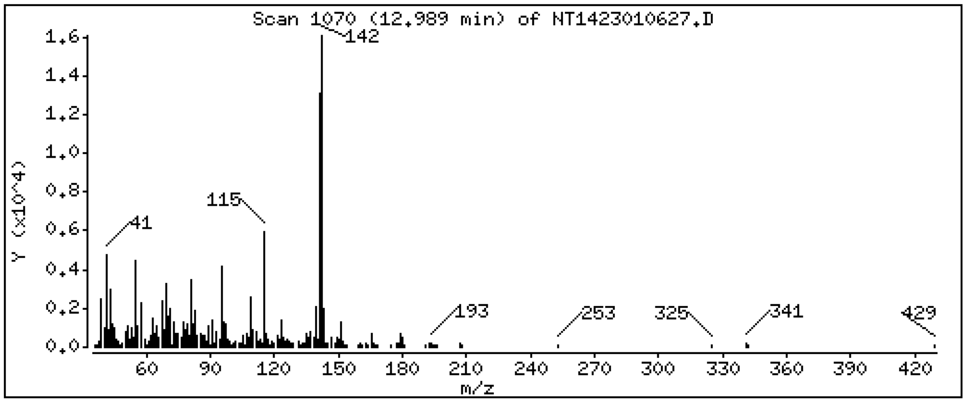
Client ID: Instrument: nt14.i

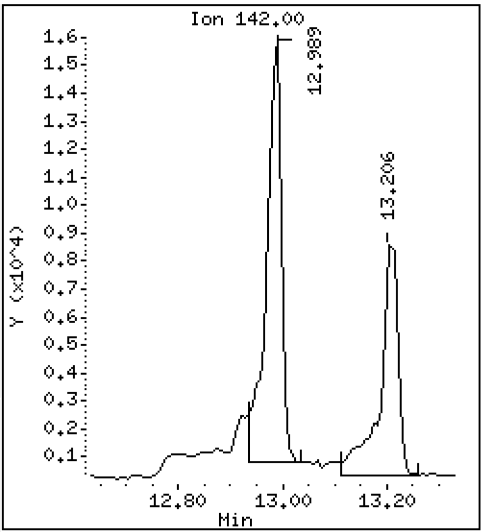
Sample Info: 22L0307-37

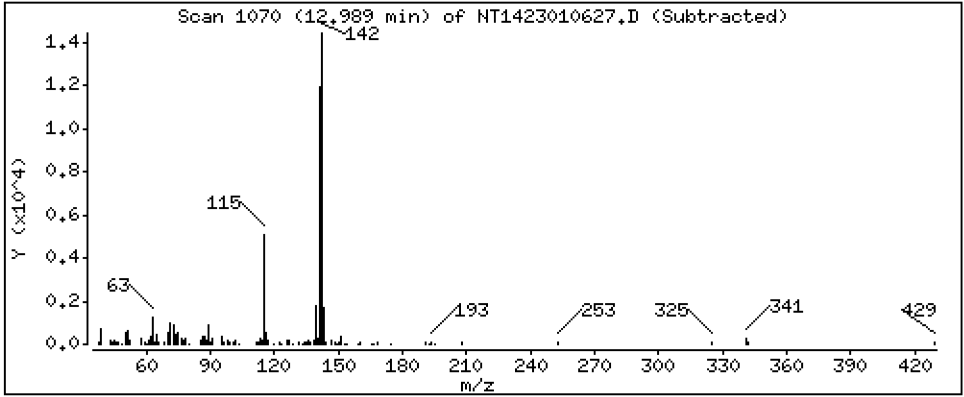
Operator: VTS

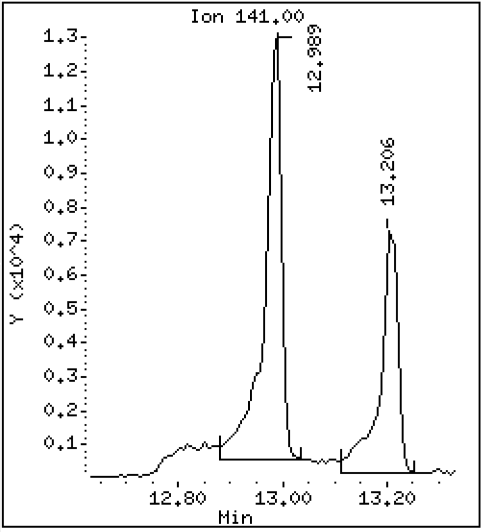
Column phase: ZB-5msi Column diameter: 0.25

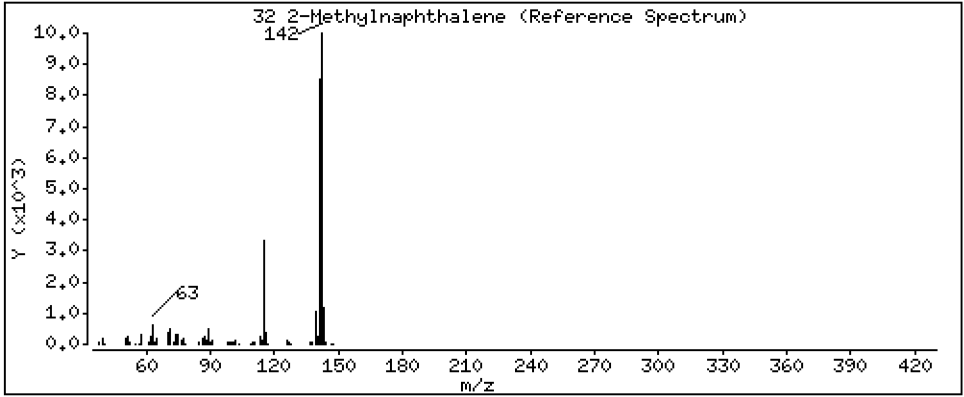
32 2-Methylnaphthalene Concentration: 1.511 ug/mL

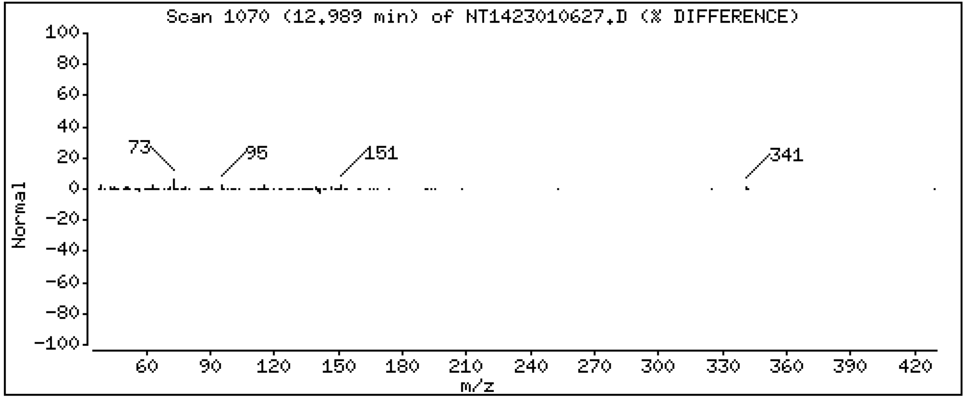












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Date : 07-JAN-2023 03:15

Client ID:

Instrument: nt14.i

Sample Info: 22L0307-37

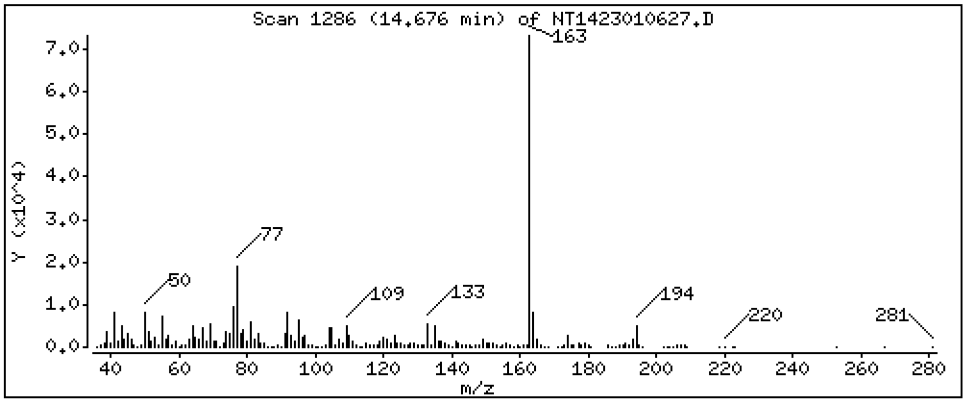
Operator: VTS

Column phase: ZB-5msi

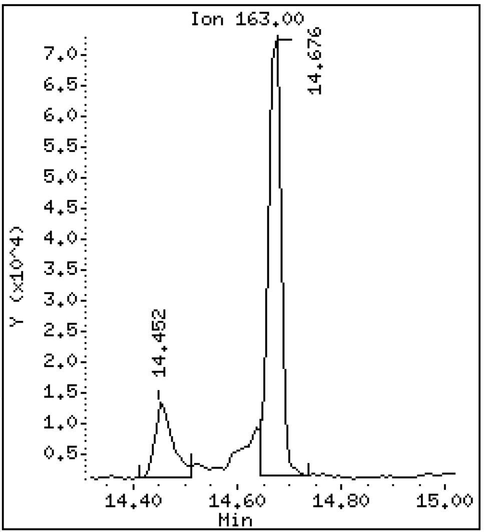
Column diameter: 0.25

39 Dimethylphthalate

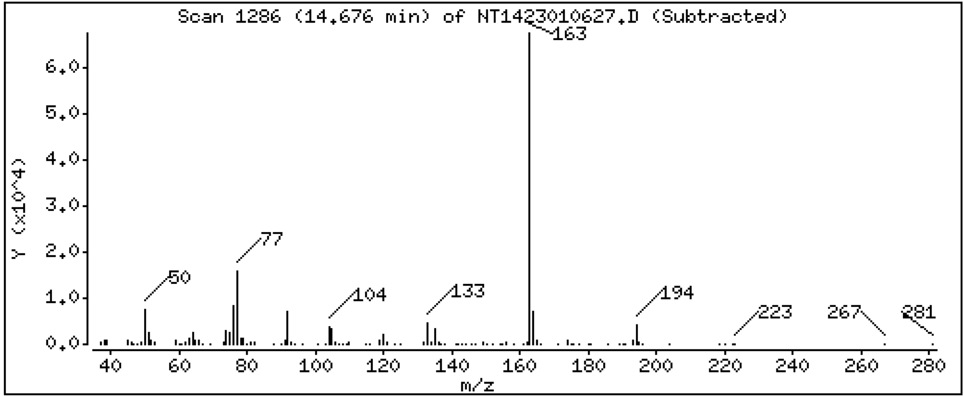
Concentration: 7.586 ug/mL



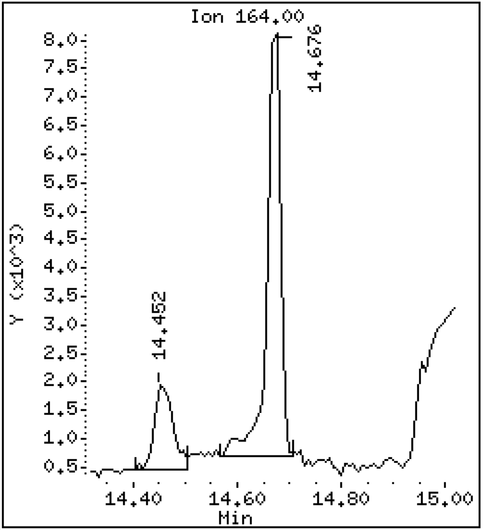
Scan 1286 (14.676 min) of NT1423010627.D



Ion 163.00



Scan 1286 (14.676 min) of NT1423010627.D (Subtracted)



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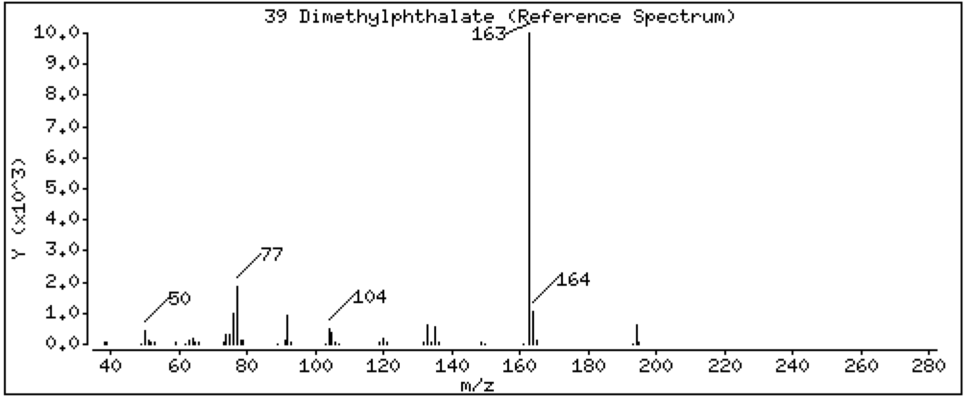
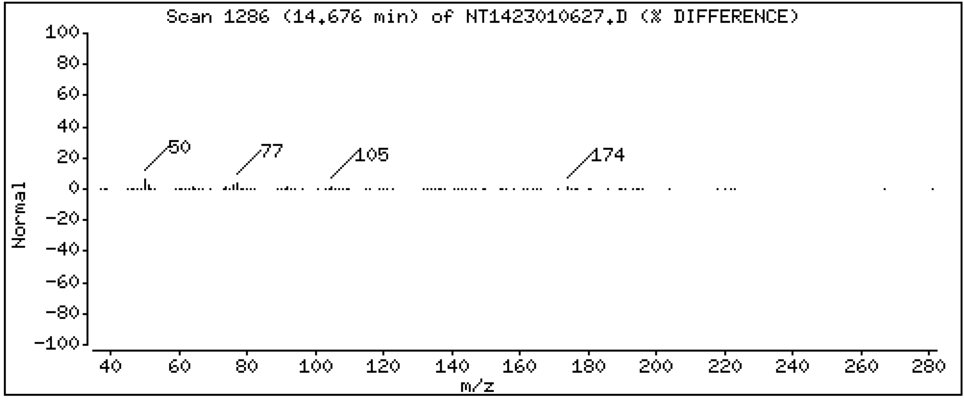


39 Dimethylphthalate (Reference Spectrum)



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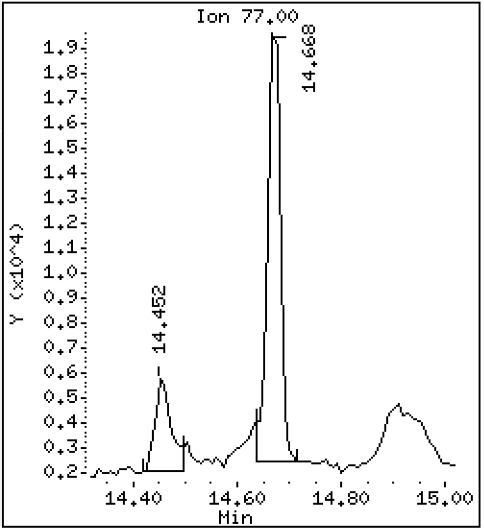


Ion 77.00

Data File: \\target\share\chem3\nt14.i\20230106.b\NT1423010627.D

Date : 07-JAN-2023 03:15

Client ID:

Instrument: nt14.i

Sample Info: 22L0307-37

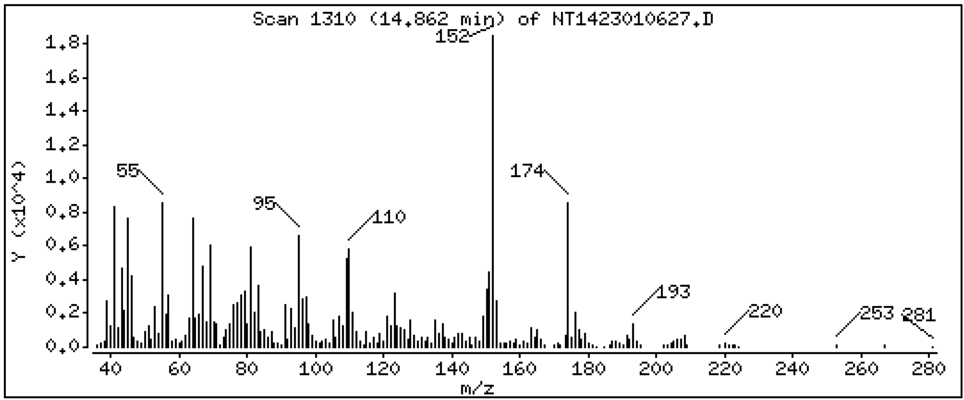
Operator: VTS

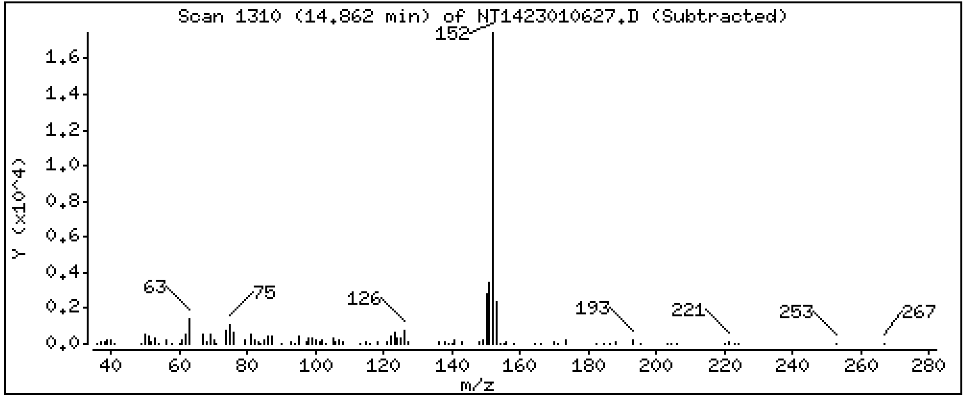
Column phase: ZB-5msi

Column diameter: 0.25

40 Acenaphthylene

Concentration: 1.269 ug/mL


Scan 1310 (14.862 min) of NT1423010627.D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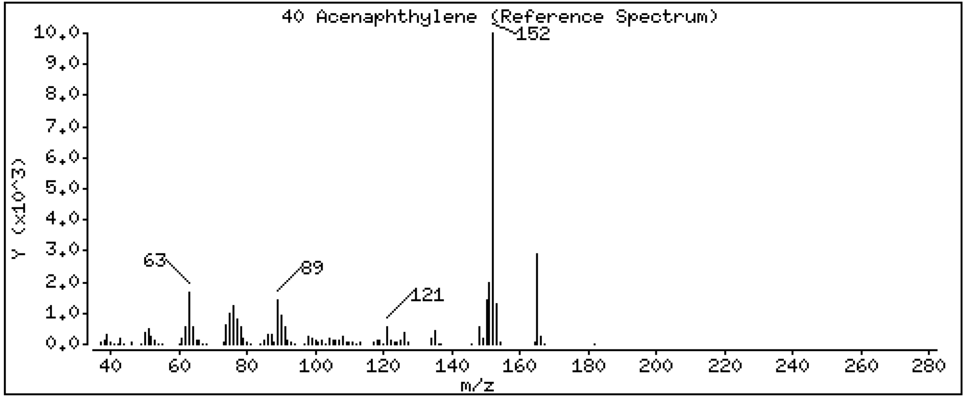
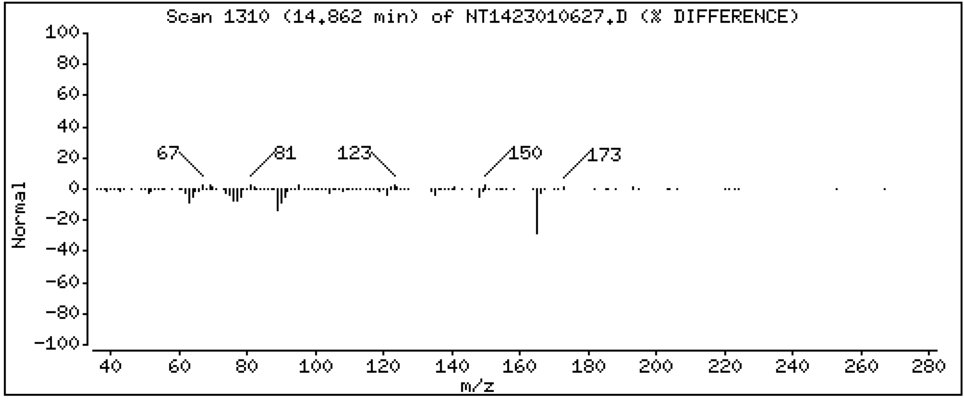
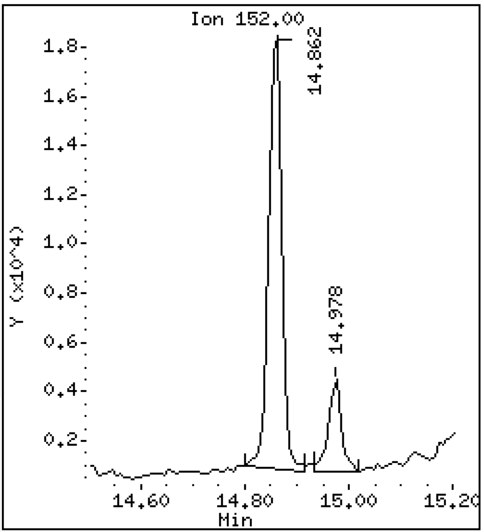

40 Acenaphthylene (Reference Spectrum)


Scan 1310 (14.862 min) of NT1423010627.D (% DIFFERENCE)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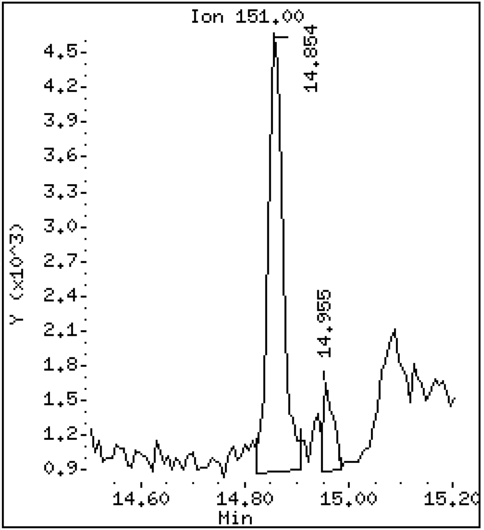
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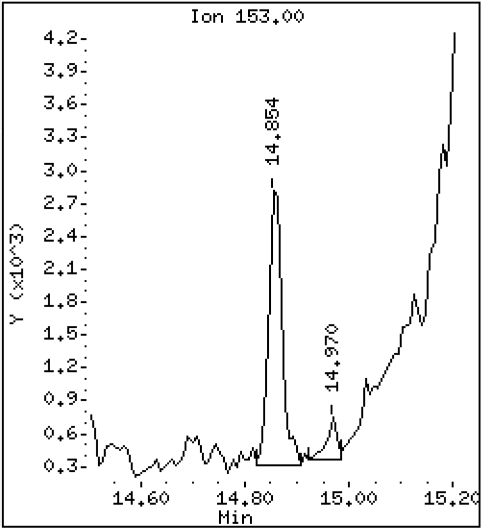
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Data File: \\target\share\chem3\nt14.i\20230106.b\NT1423010627.D

Date : 07-JAN-2023 03:15

Client ID:

Instrument: nt14.i

Sample Info: 22L0307-37

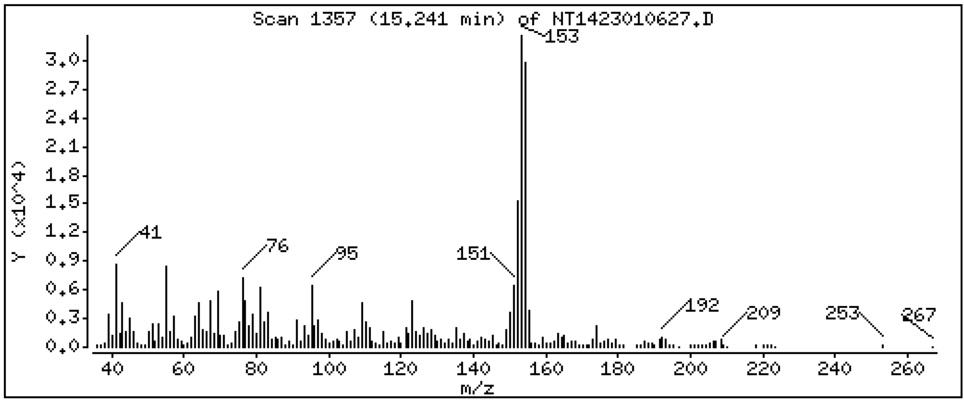
Operator: VTS

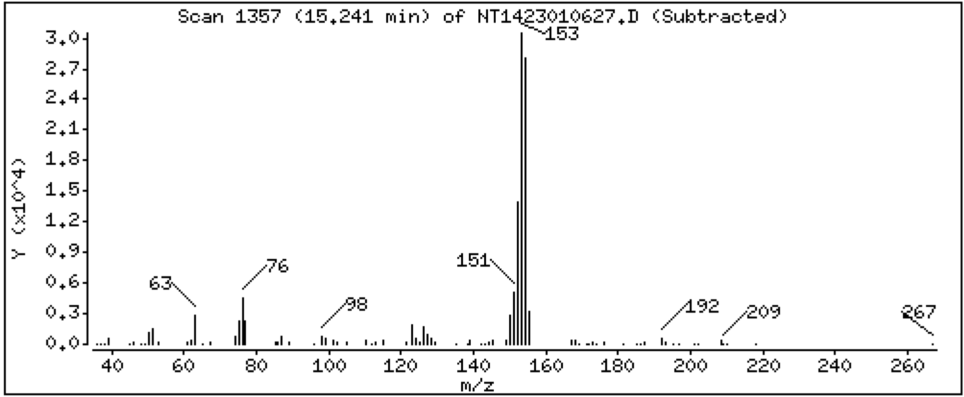
Column phase: ZB-5msi

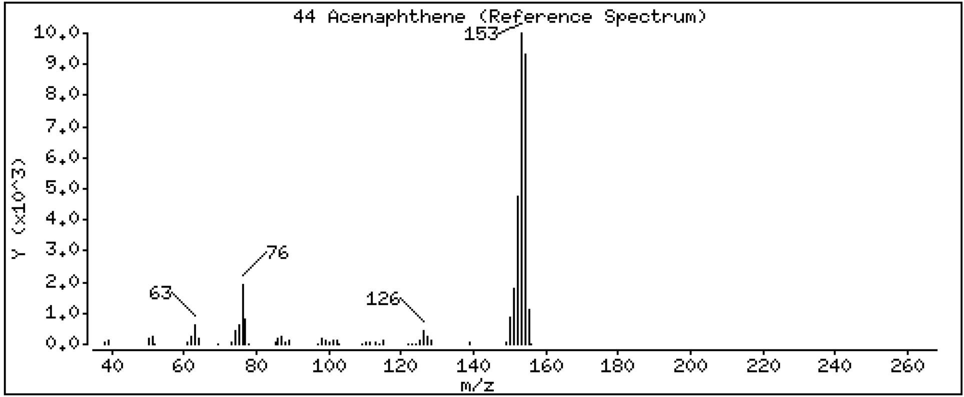
Column diameter: 0.25

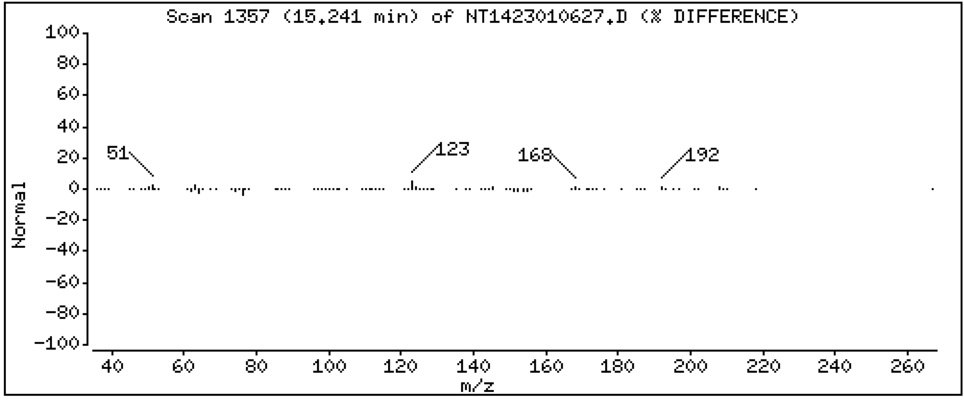
44 Acenaphthene

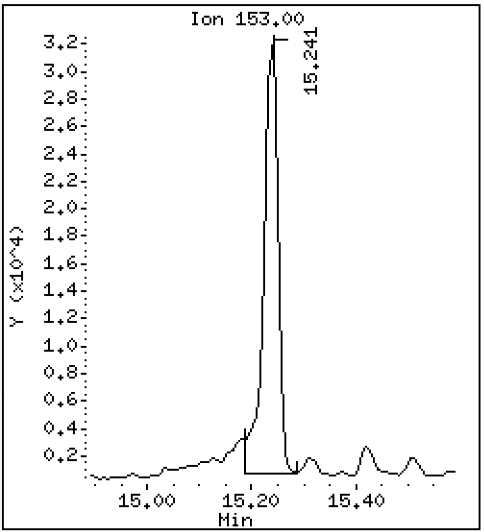
Concentration: 3.902 ug/mL

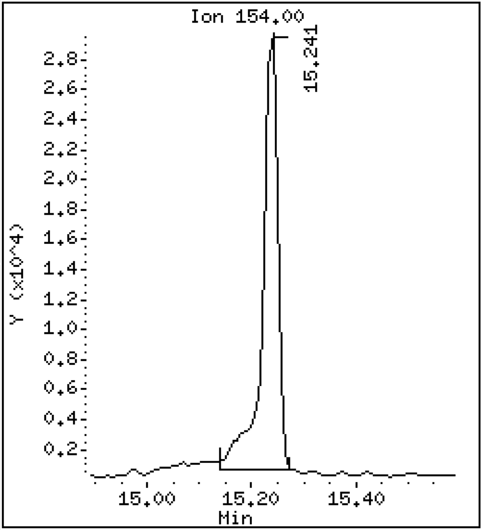


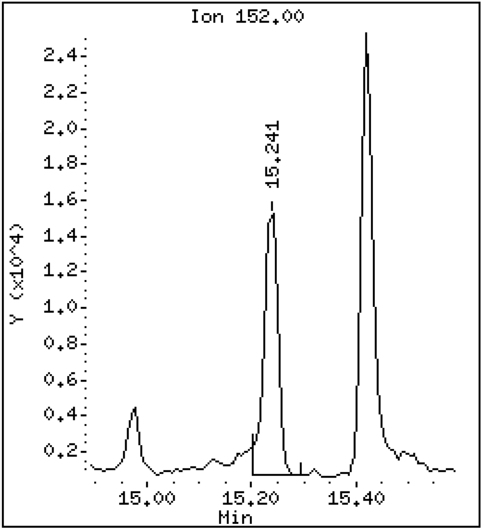












Data File: \\target\share\chem3\nt14.i\20230106.b\NT1423010627.D

Date : 07-JAN-2023 03:15

Client ID:

Instrument: nt14.i

Sample Info: 22L0307-37

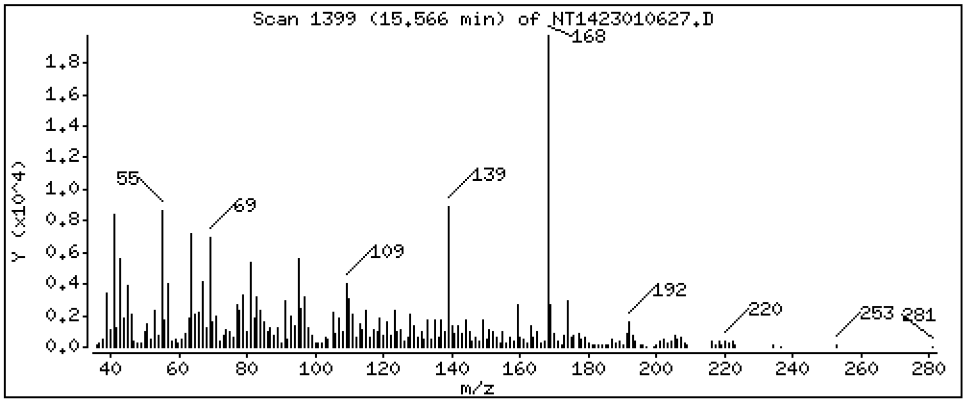
Operator: VTS

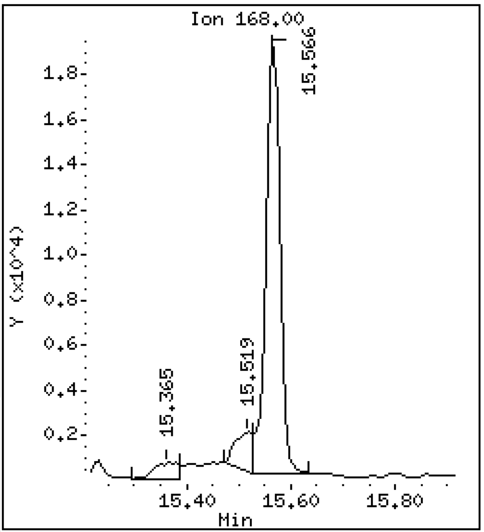
Column phase: ZB-5msi

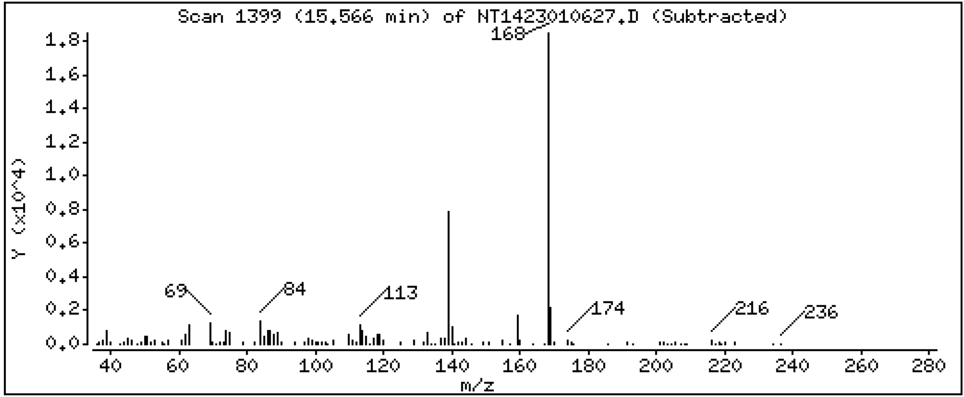
Column diameter: 0.25

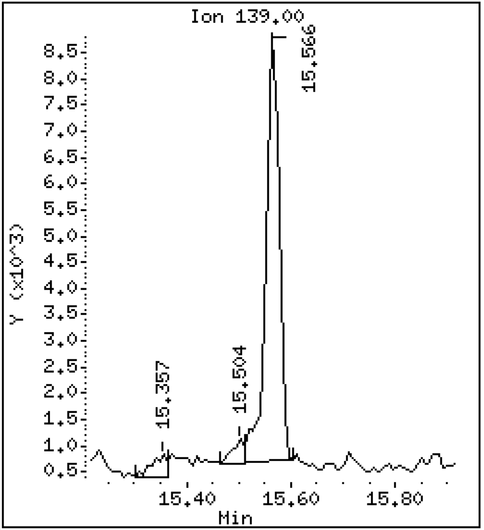
46 Dibenzofuran

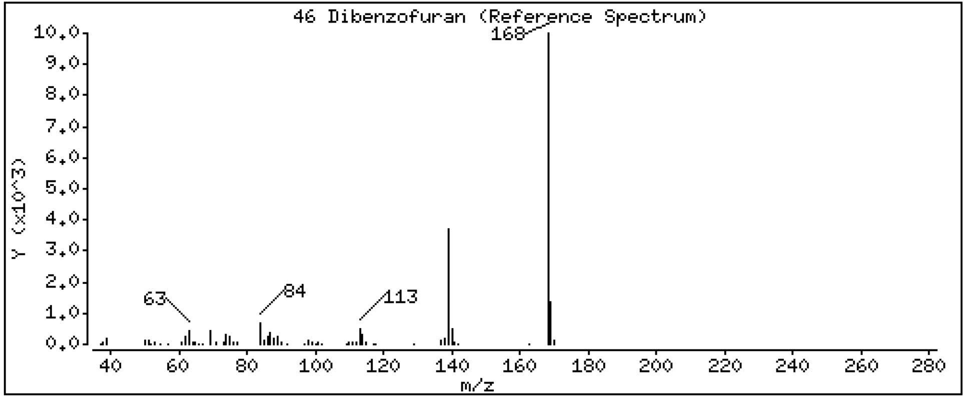
Concentration: 1.576 ug/mL

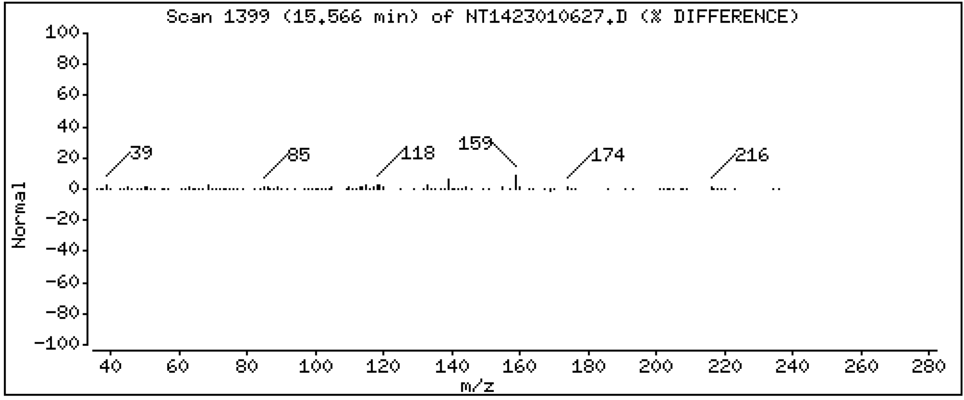


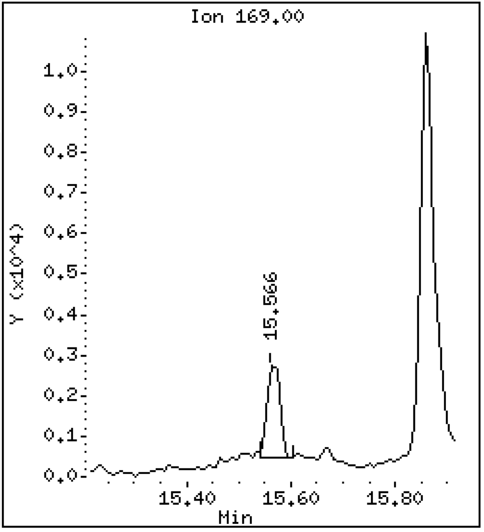












Date : 07-JAN-2023 03:15

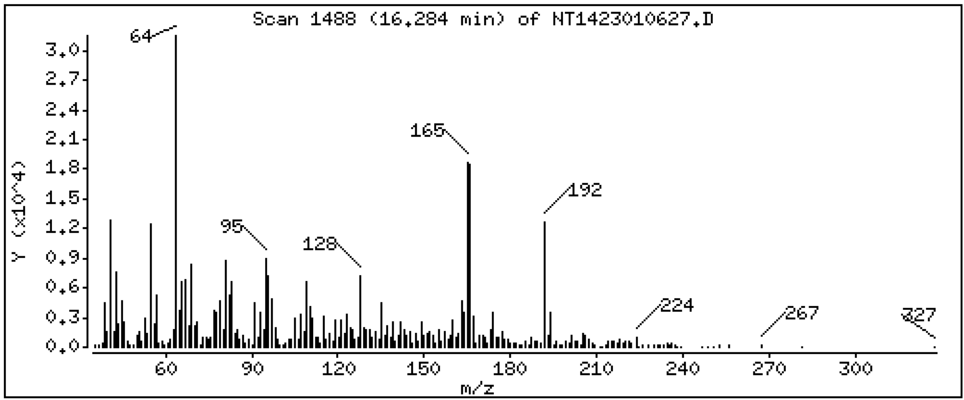
Client ID: Instrument: nt14.i

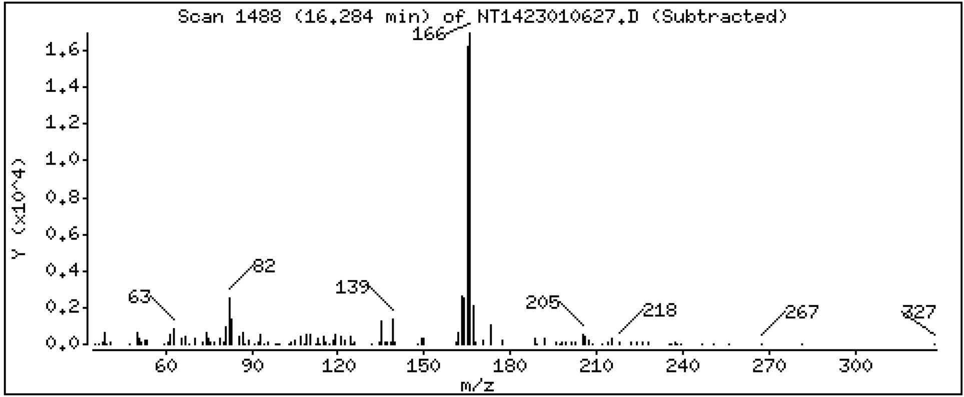
Sample Info: 22L0307-37

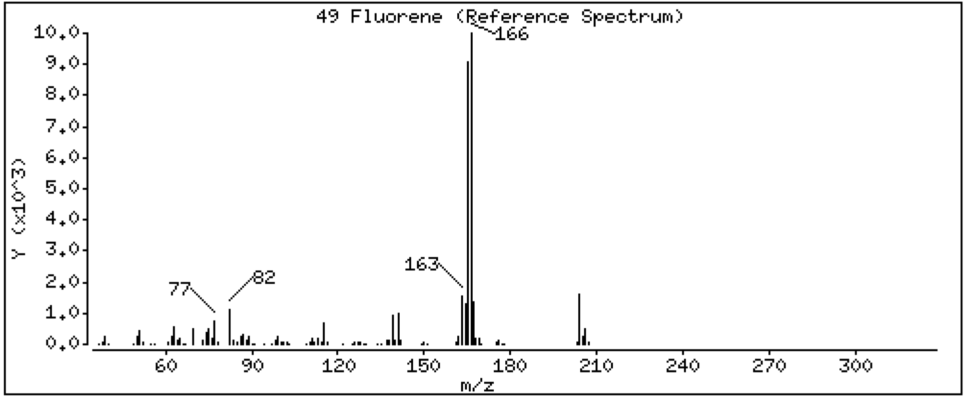
Operator: VTS

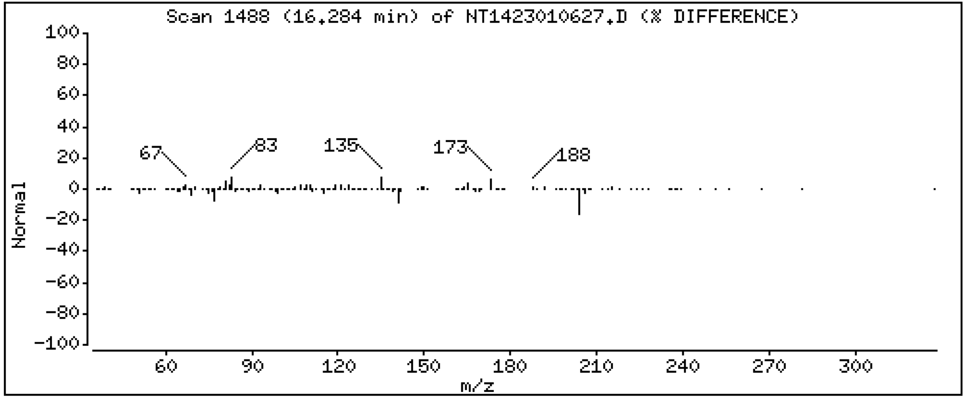
Column phase: ZB-5msi Column diameter: 0.25

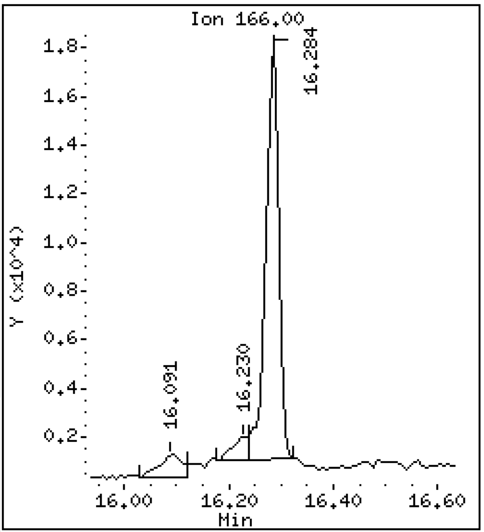
49 Fluorene Concentration: 1.229 ug/mL

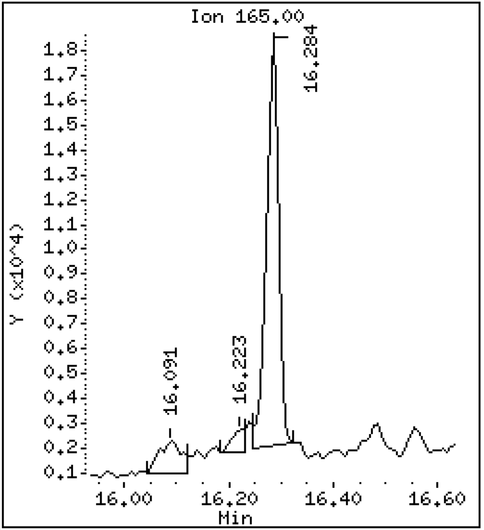

Scan 1488 (16.284 min) of NT1423010627.D


Scan 1488 (16.284 min) of NT1423010627.D (Subtracted)


49 Fluorene (Reference Spectrum)


Scan 1488 (16.284 min) of NT1423010627.D (% DIFFERENCE)


Ion 166.00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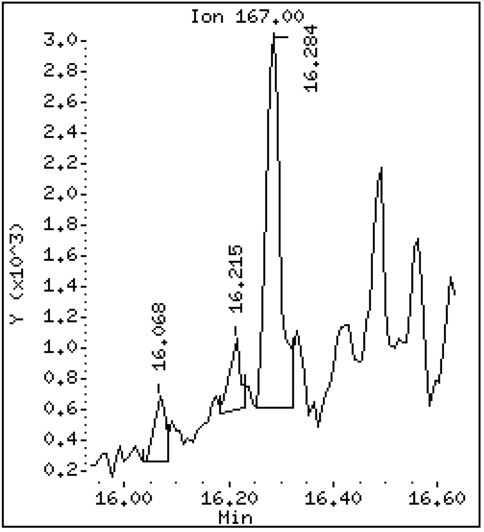
Ion 167.00

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Date : 07-JAN-2023 03:15

Client ID:

Instrument: nt14.i

Sample Info: 22L0307-37

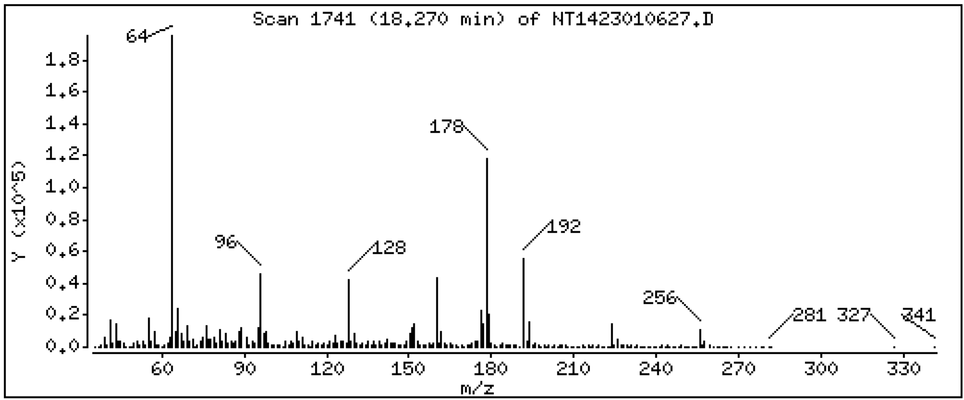
Operator: VTS

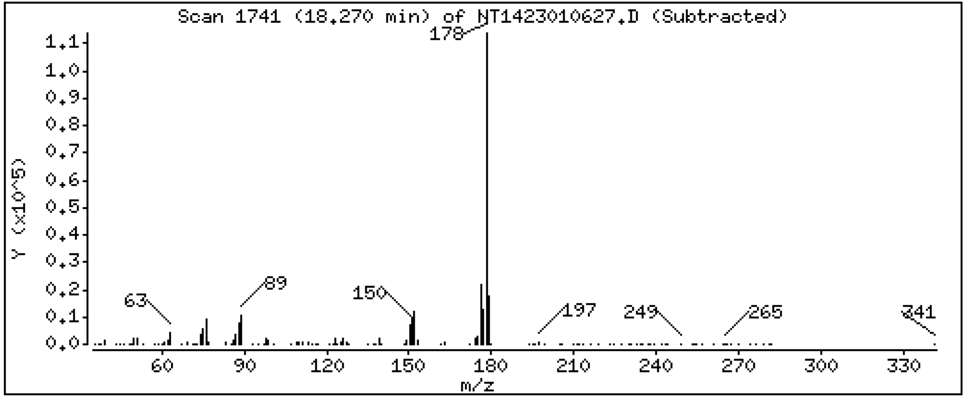
Column phase: ZB-5msi

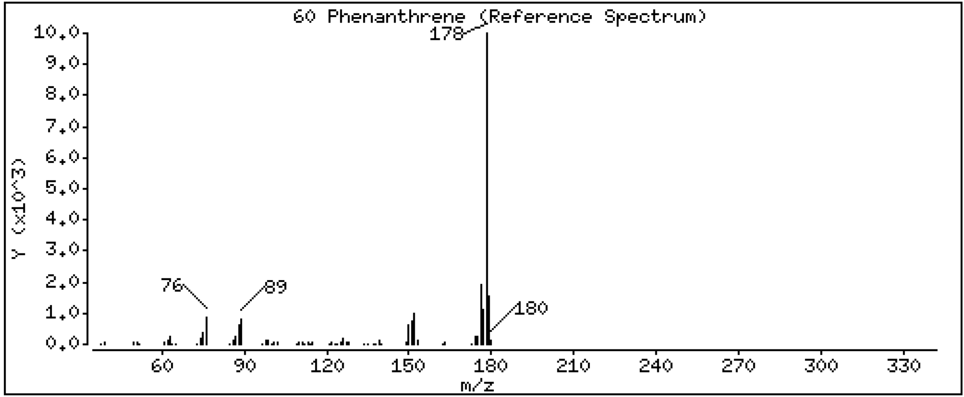
Column diameter: 0.25

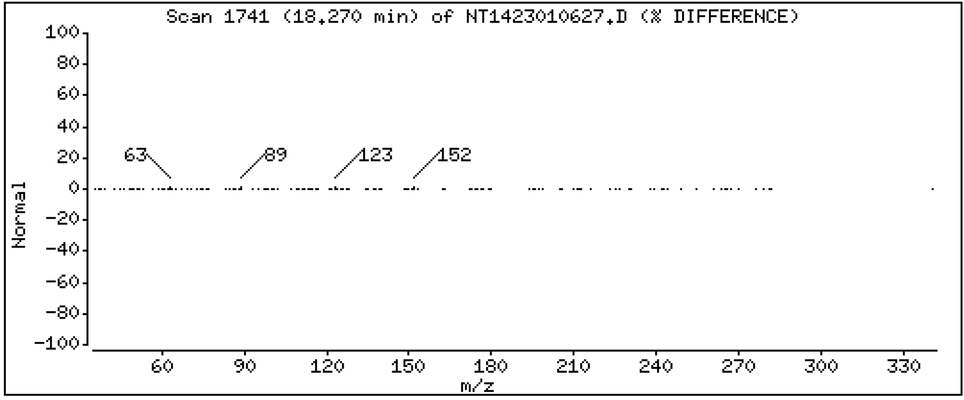
60 Phenanthrene

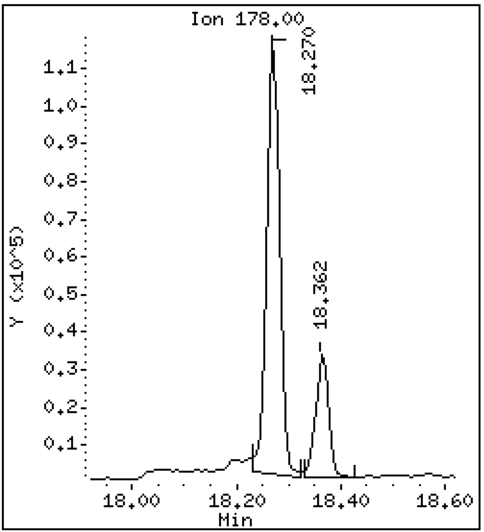
Concentration: 6.888 ug/mL

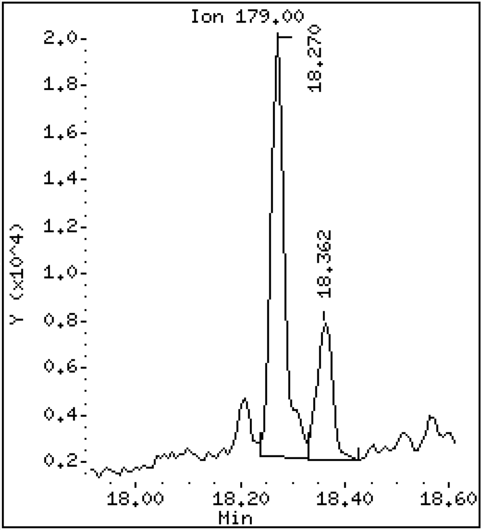

Scan 1741 (18.270 min) of NT1423010627.D


Scan 1741 (18.270 min) of NT1423010627.D (Subtracted)


60 Phenanthrene (Reference Spectrum)


Scan 1741 (18.270 min) of NT1423010627.D (% DIFFERENCE)


Ion 178.00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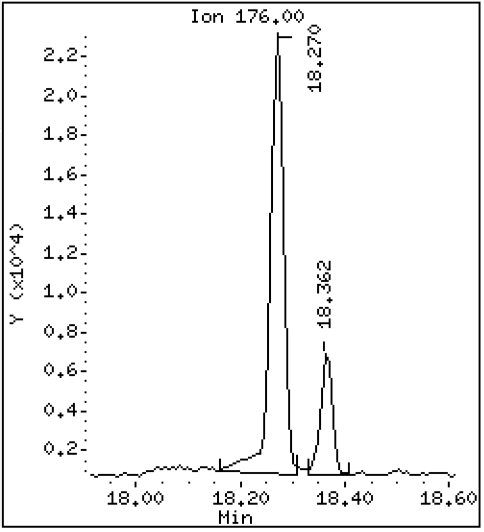

Ion 176.00

Data File: \\target\share\chem3\nt14.i\20230106.b\NT1423010627.D

Date : 07-JAN-2023 03:15

Client ID:

Instrument: nt14.i

Sample Info: 22L0307-37

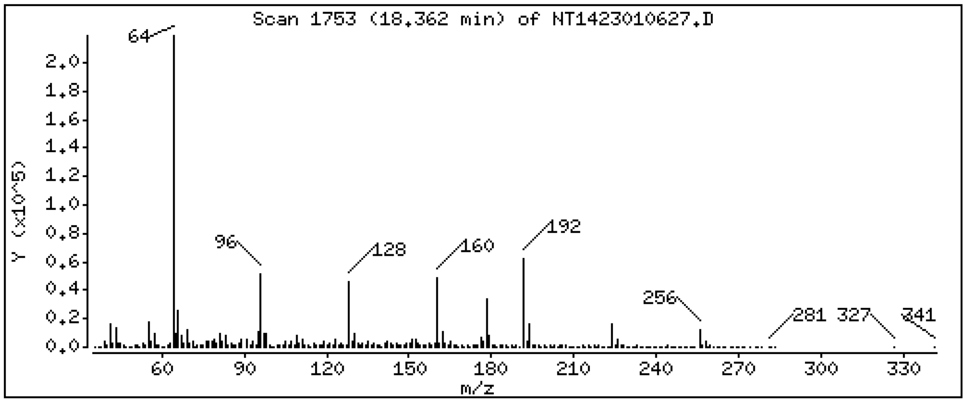
Operator: VTS

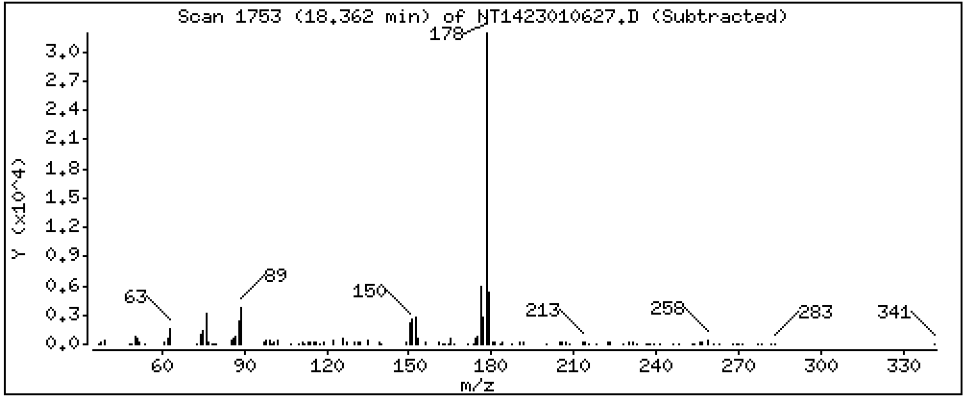
Column phase: ZB-5msi

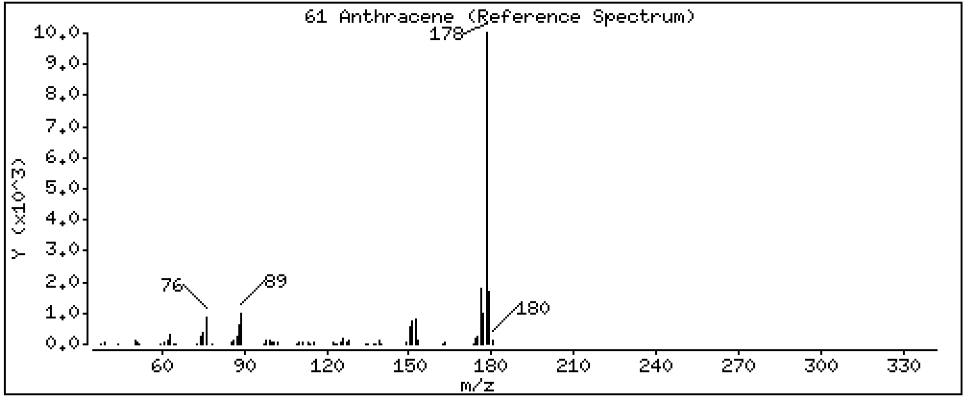
Column diameter: 0.25

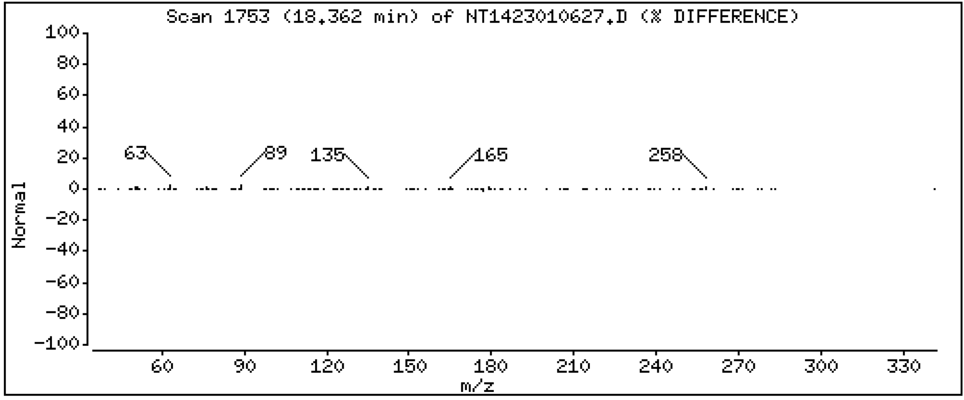
61 Anthracene

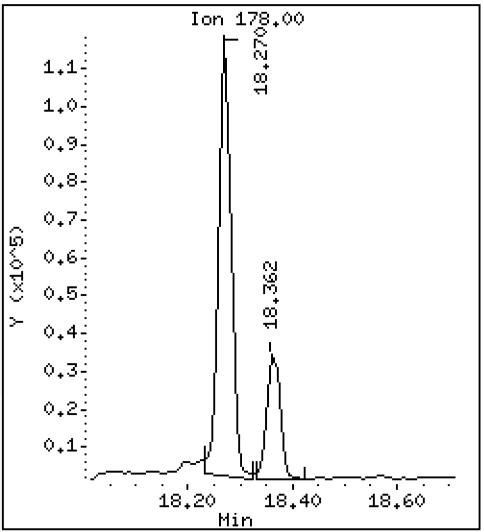
Concentration: 2.136 ug/mL


Scan 1753 (18.362 min) of NT1423010627.D


Scan 1753 (18.362 min) of NT1423010627.D (Subtracted)


61 Anthracene (Reference Spectrum)


Scan 1753 (18.362 min) of NT1423010627.D (% DIFFERENCE)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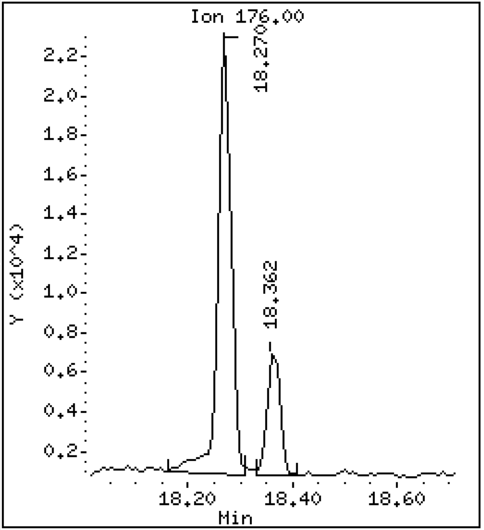
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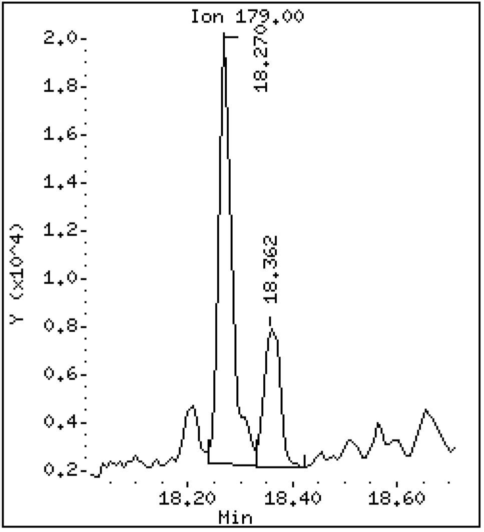

Ion 179.00

Data File: \\target\share\chem3\nt14.i\20230106.b\NT1423010627.D

Date : 07-JAN-2023 03:15

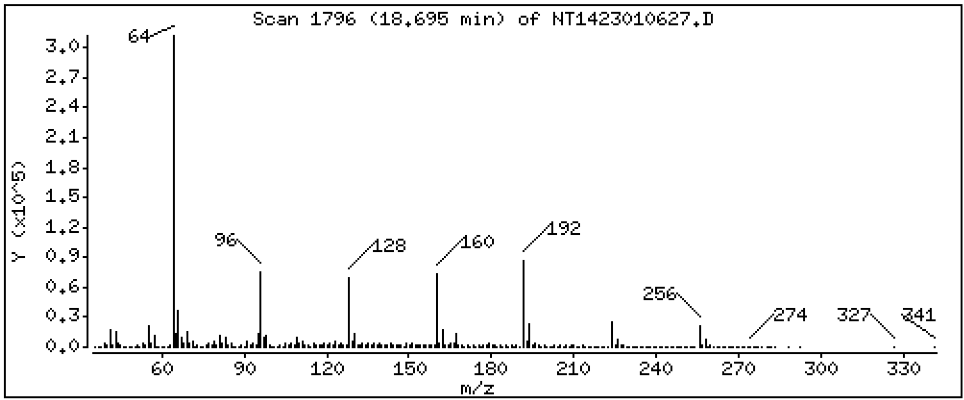
Client ID: Instrument: nt14.i

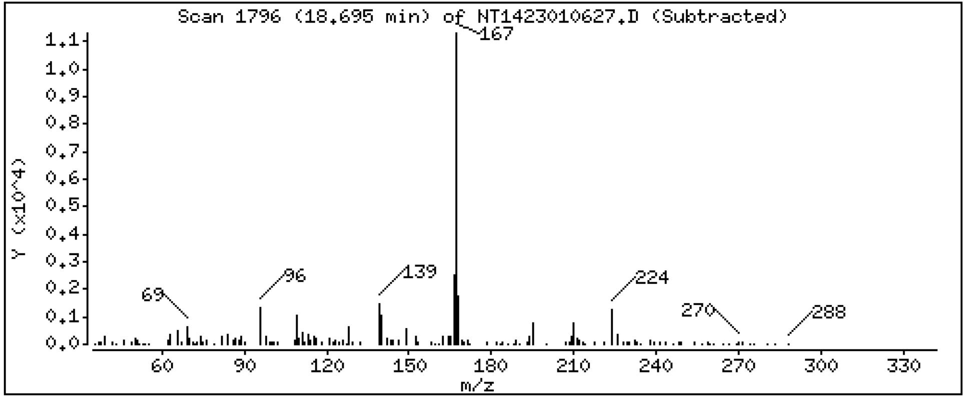
Sample Info: 22L0307-37

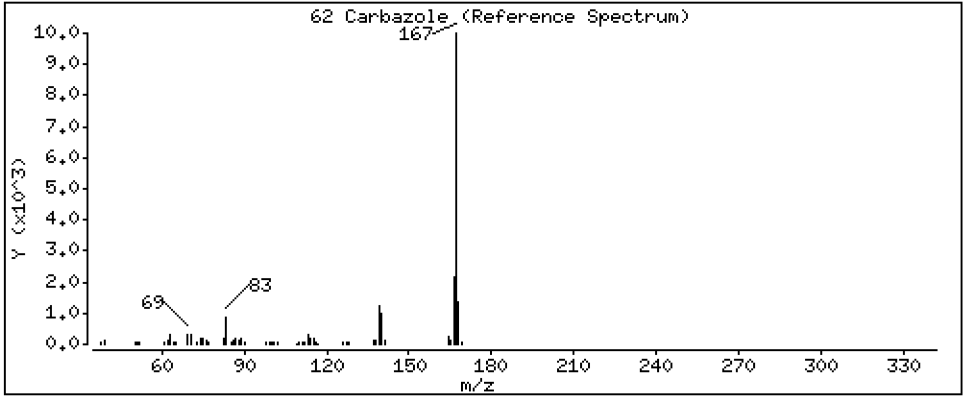
Operator: VTS

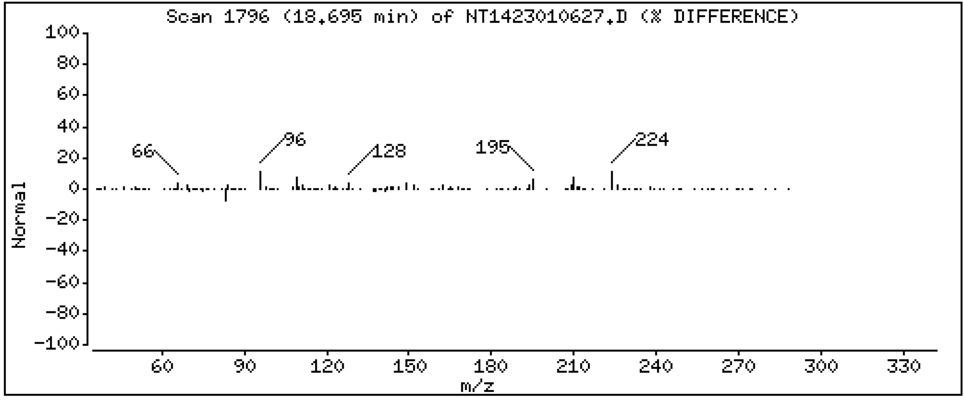
Column phase: ZB-5msi Column diameter: 0.25

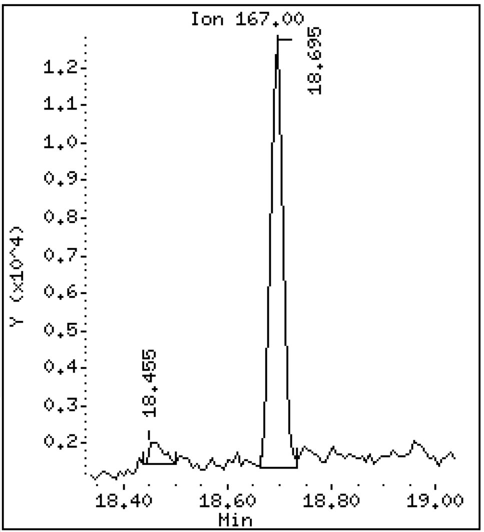
62 Carbazole Concentration: 0.7259 ug/mL

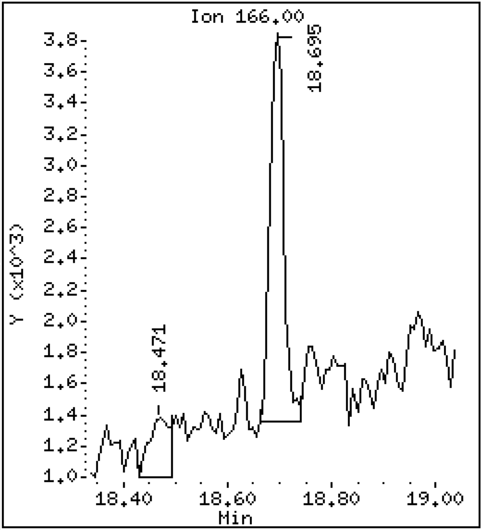


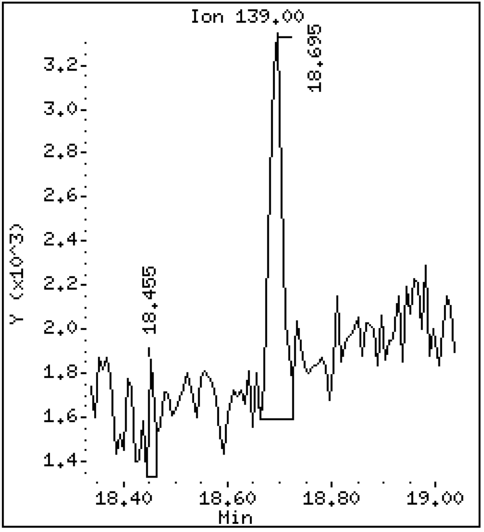












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Date : 07-JAN-2023 03:15

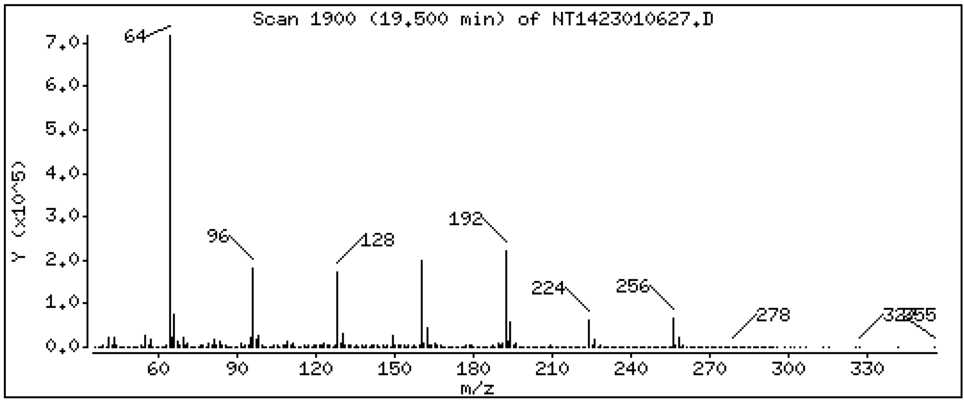
Client ID: Instrument: nt14.i

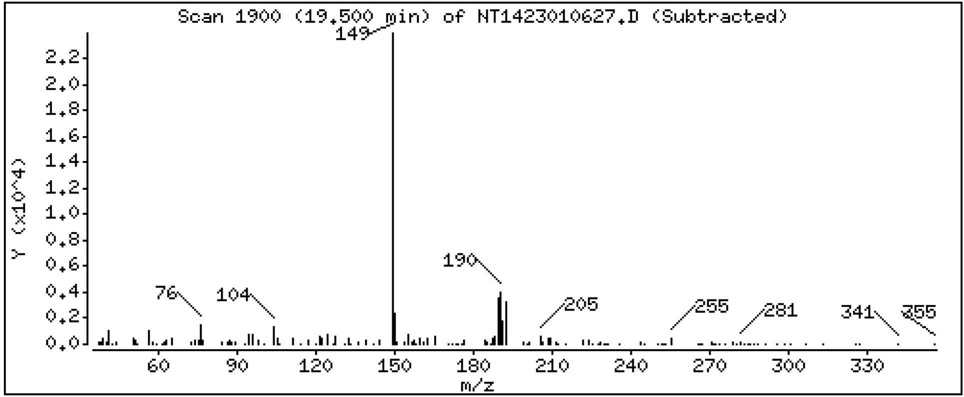
Sample Info: 22L0307-37

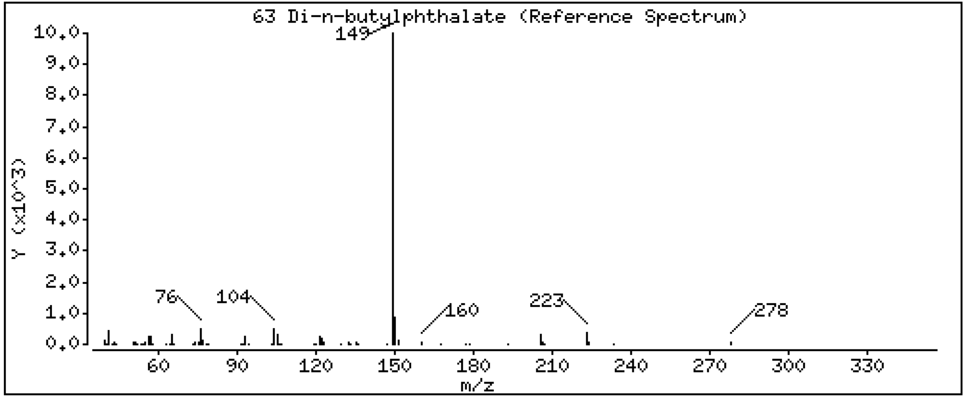
Operator: VTS

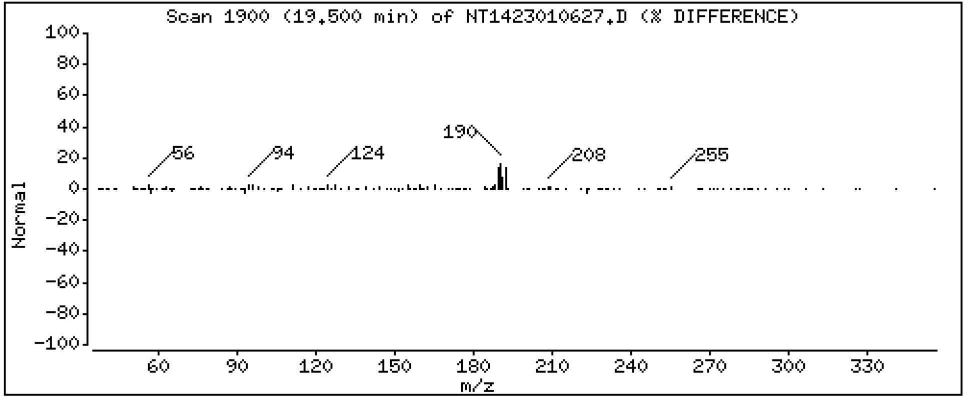
Column phase: ZB-5msi Column diameter: 0.25

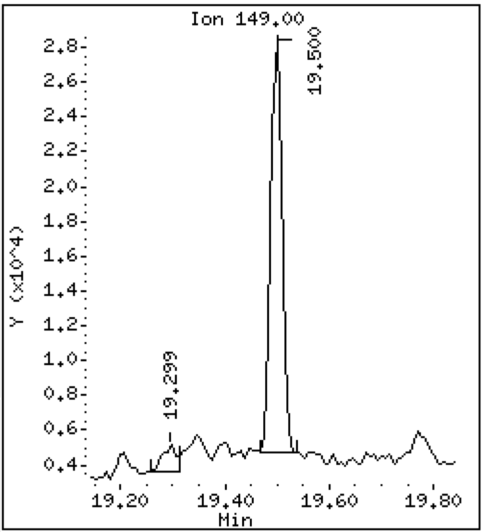
63 Di-n-butylphthalate Concentration: 1.187 ug/mL

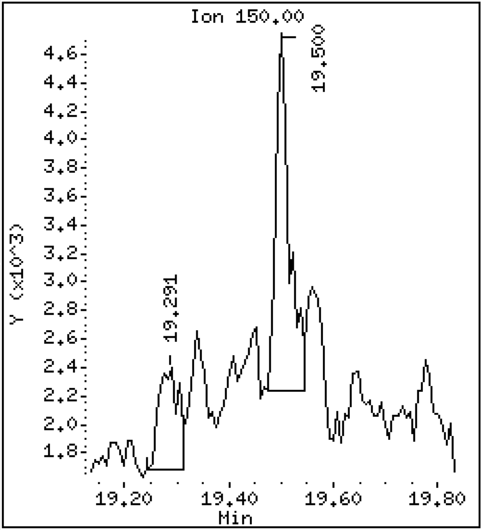

Scan 1900 (19.500 min) of NT1423010627.D

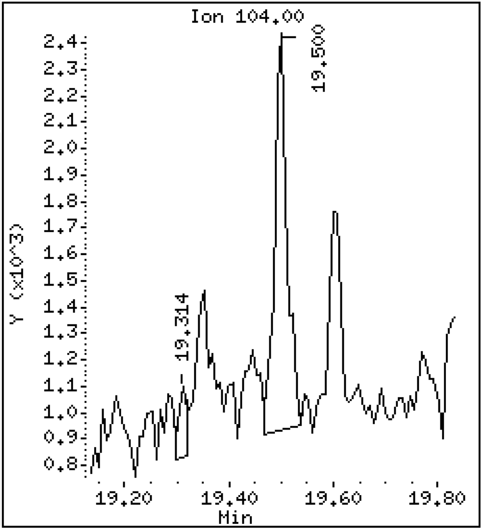

Scan 1900 (19.500 min) of NT1423010627.D (Subtracted)


63 Di-n-butylphthalate (Reference Spectrum)


Scan 1900 (19.500 min) of NT1423010627.D (% DIFFERENCE)


Ion 149.00


Ion 150.00


Ion 104.00

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Date : 07-JAN-2023 03:15

Client ID:

Instrument: nt14.i

Sample Info: 22L0307-37

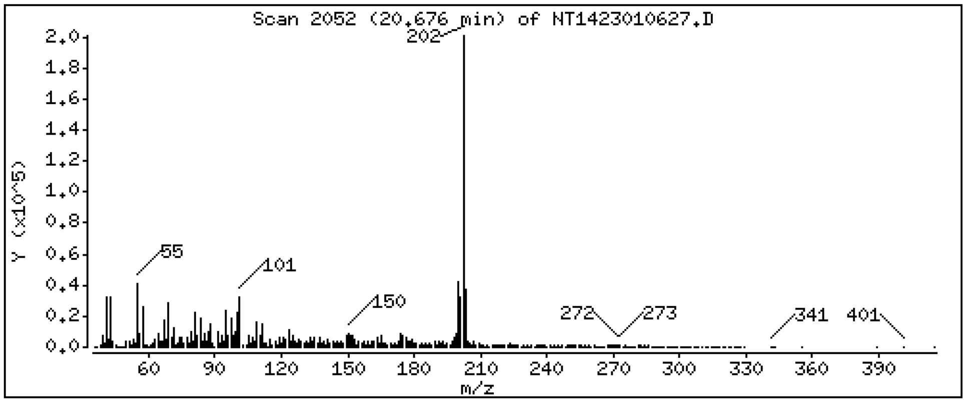
Operator: VTS

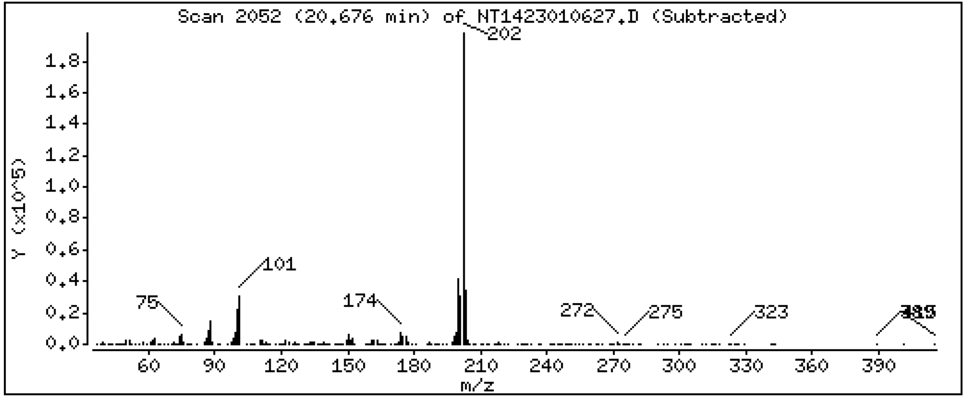
Column phase: ZB-5msi

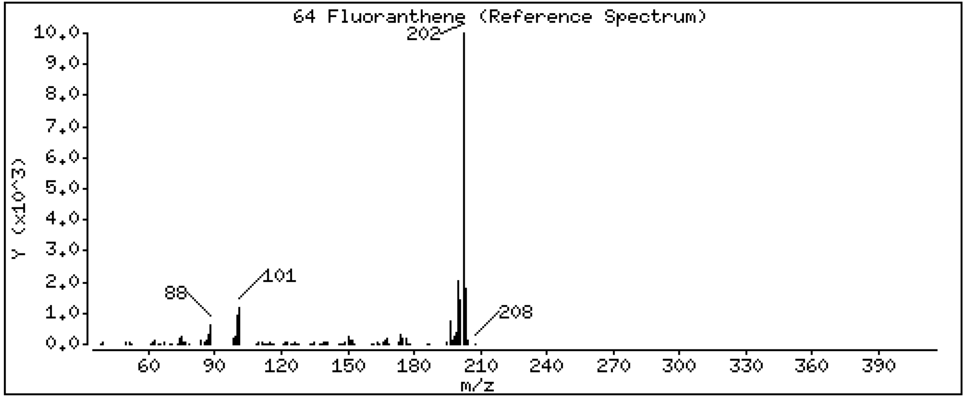
Column diameter: 0.25

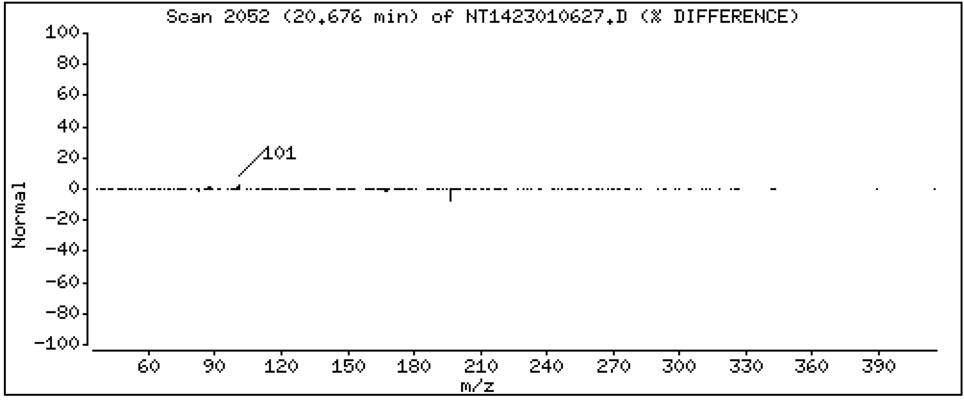
64 Fluoranthene

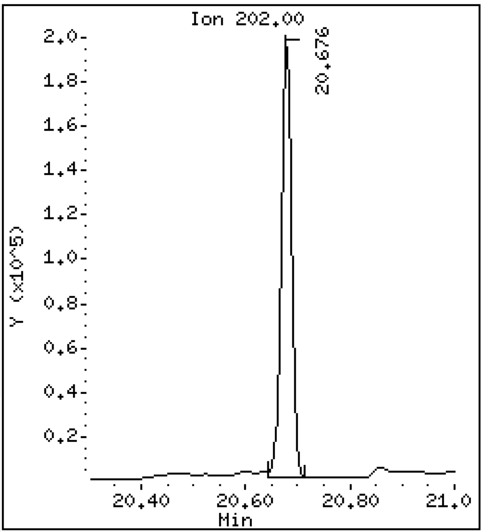
Concentration: 9.167 ug/mL

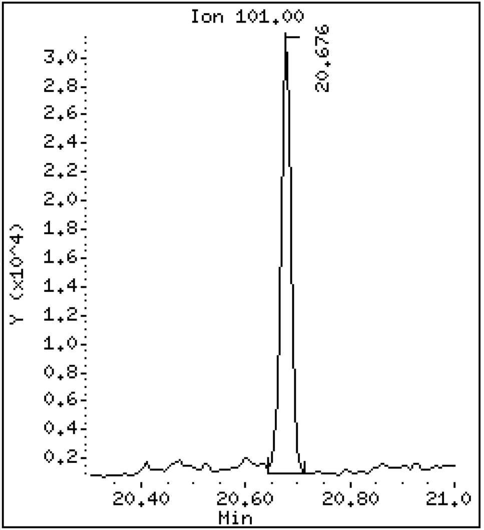


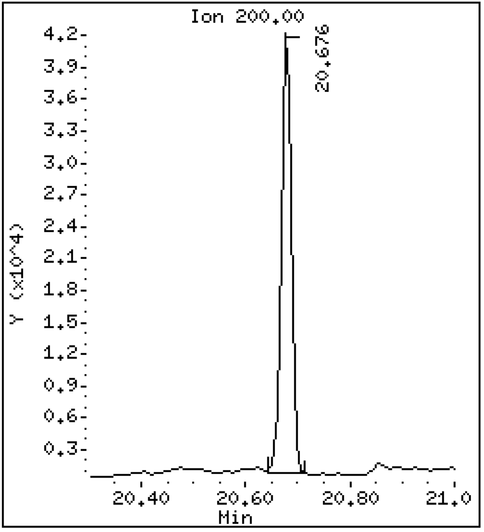












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Date : 07-JAN-2023 03:15

Client ID:

Instrument: nt14.i

Sample Info: 22L0307-37

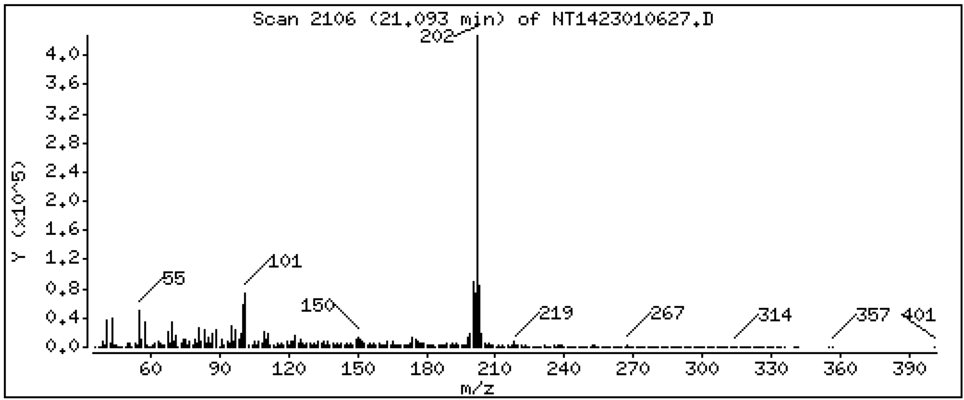
Operator: VTS

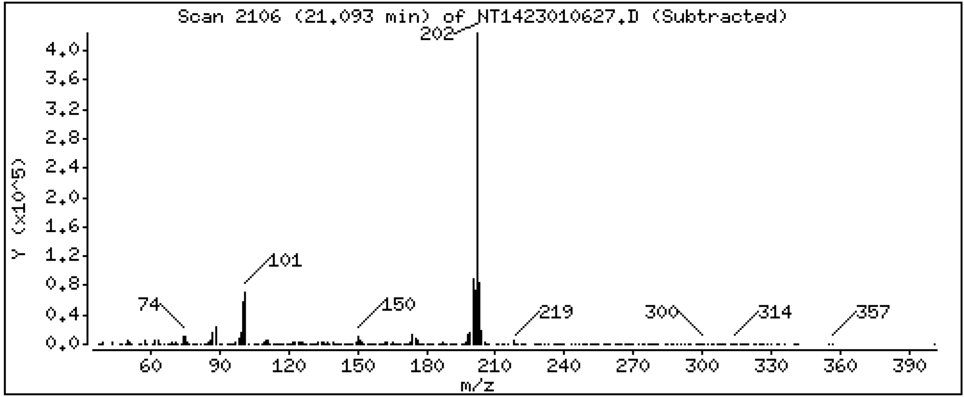
Column phase: ZB-5msi

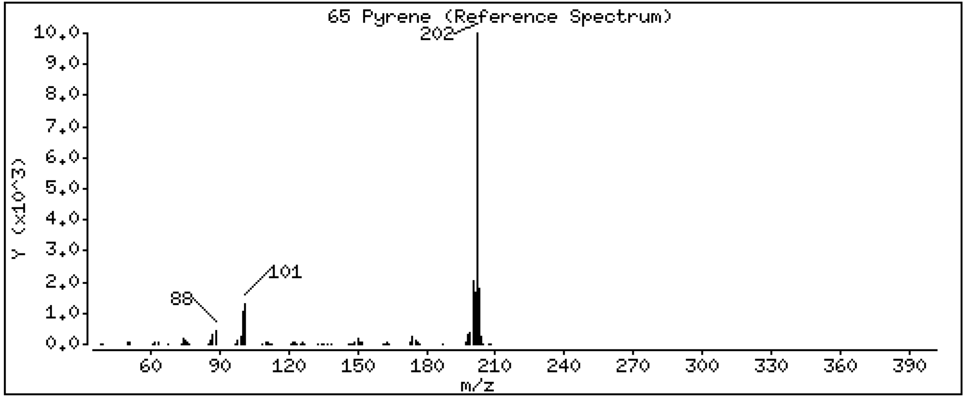
Column diameter: 0.25

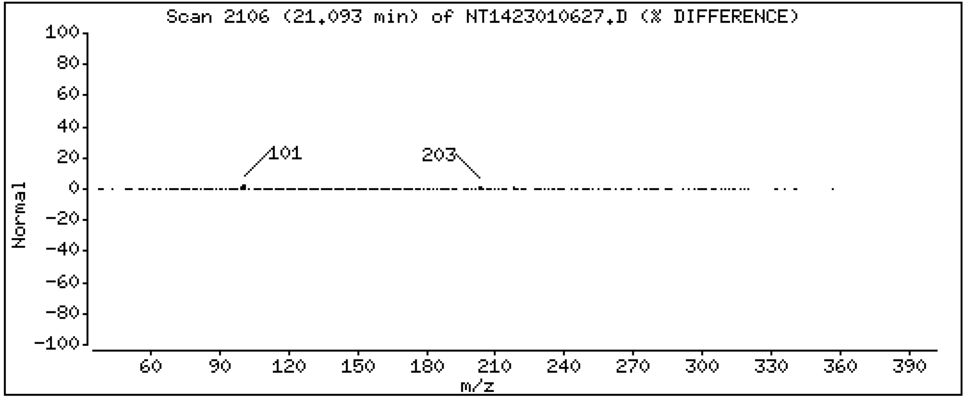
65 Pyrene

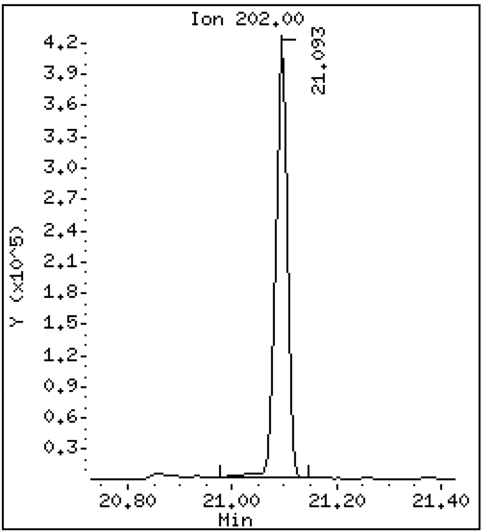
Concentration: 19.92 ug/mL

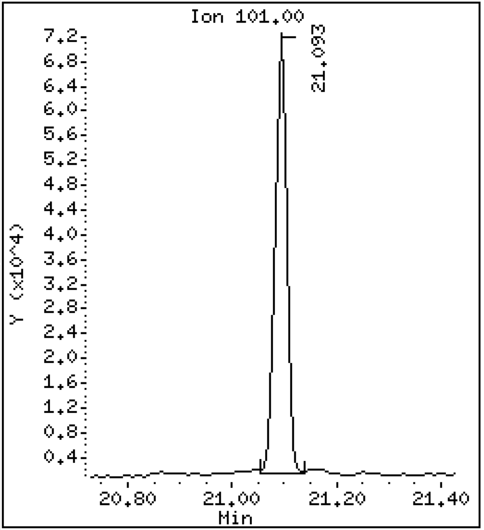


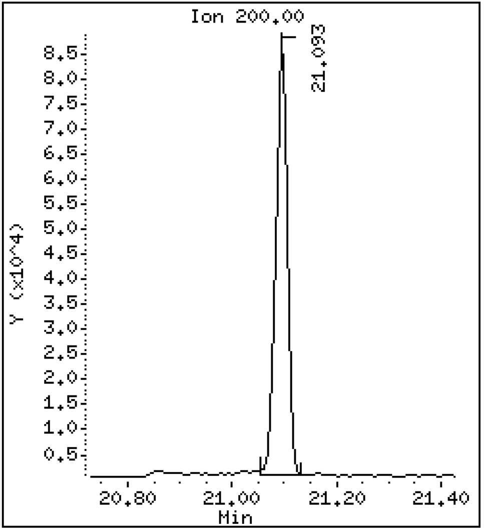












Data File: \\target\share\chem3\nt14.i\20230106.b\NT1423010627.D

Date : 07-JAN-2023 03:15

Client ID:

Instrument: nt14.i

Sample Info: 22L0307-37

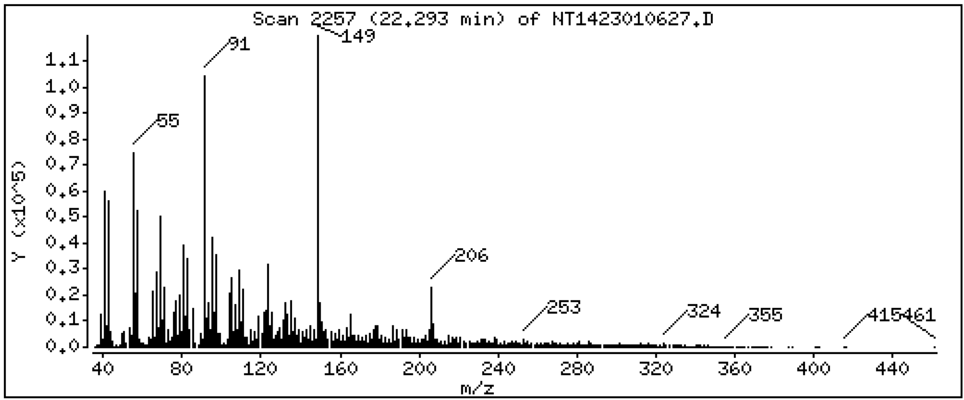
Operator: VTS

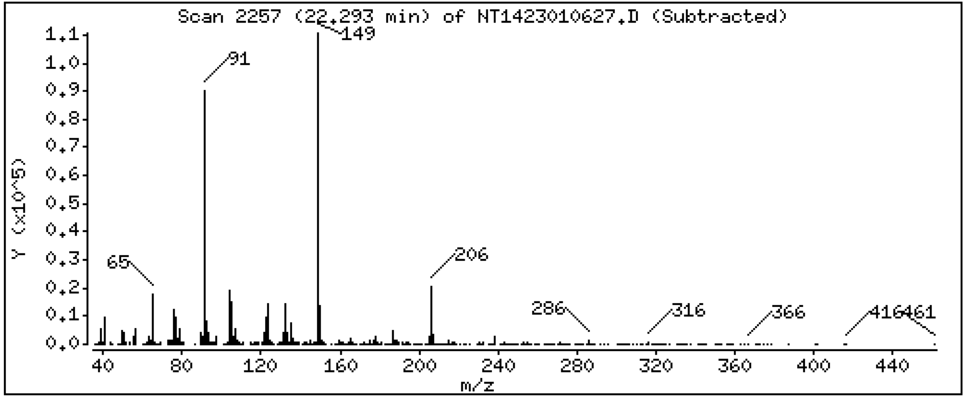
Column phase: ZB-5msi

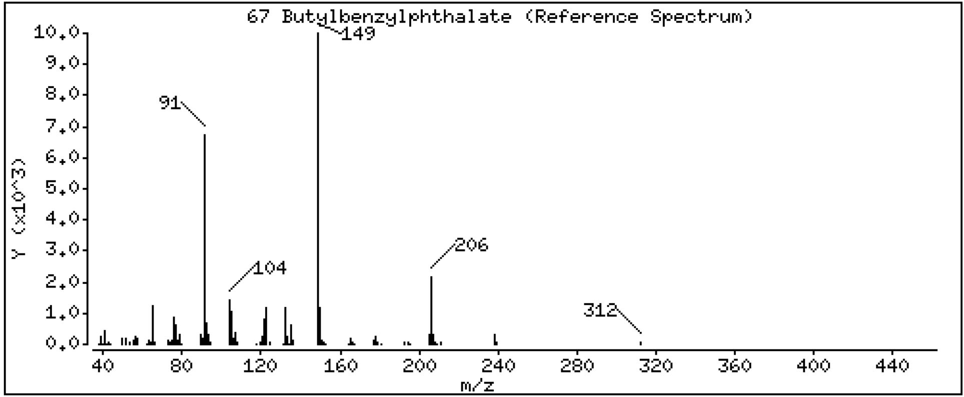
Column diameter: 0.25

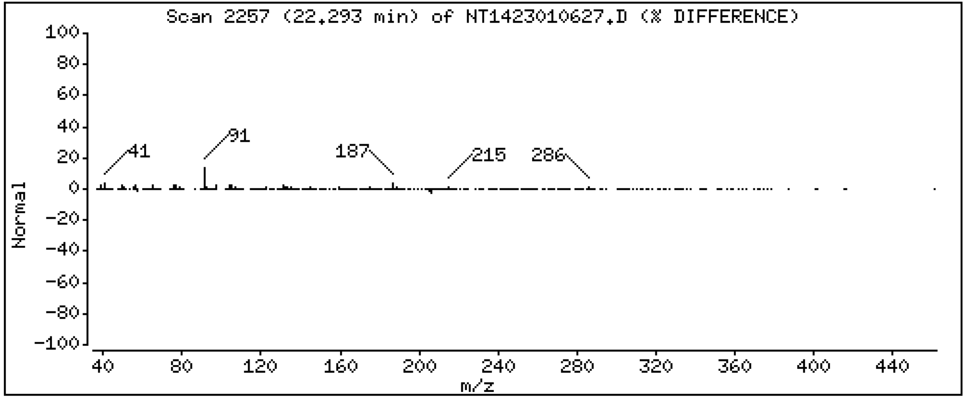
67 Butylbenzylphthalate

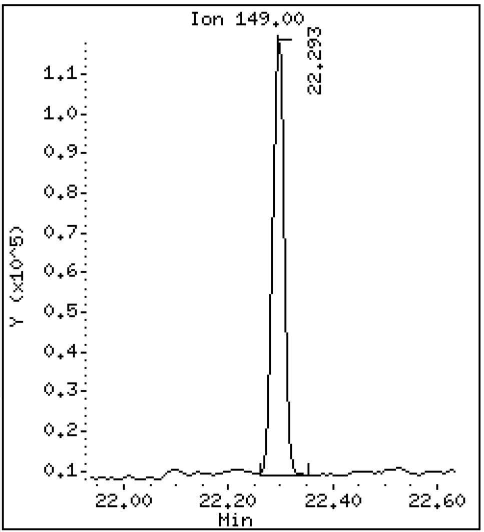
Concentration: 13.15 ug/mL

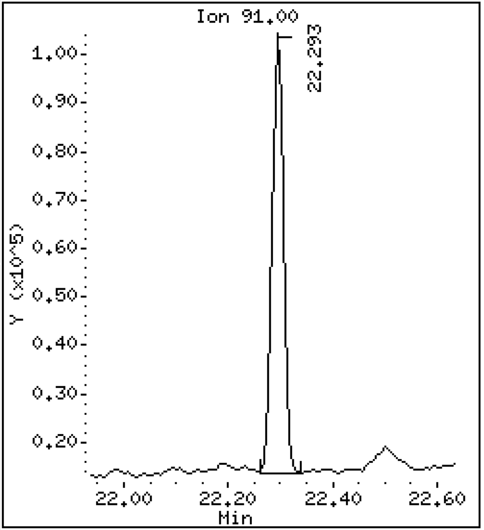


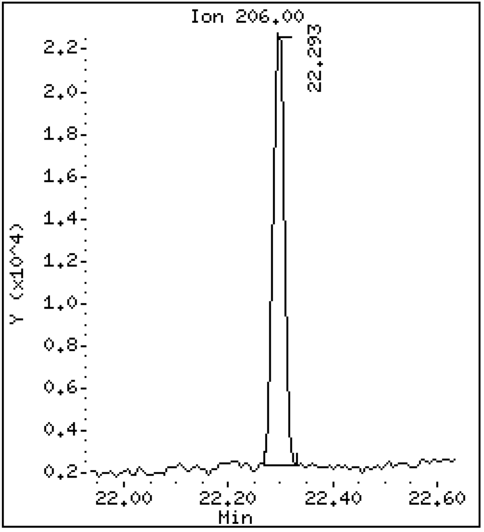












Date : 07-JAN-2023 03:15

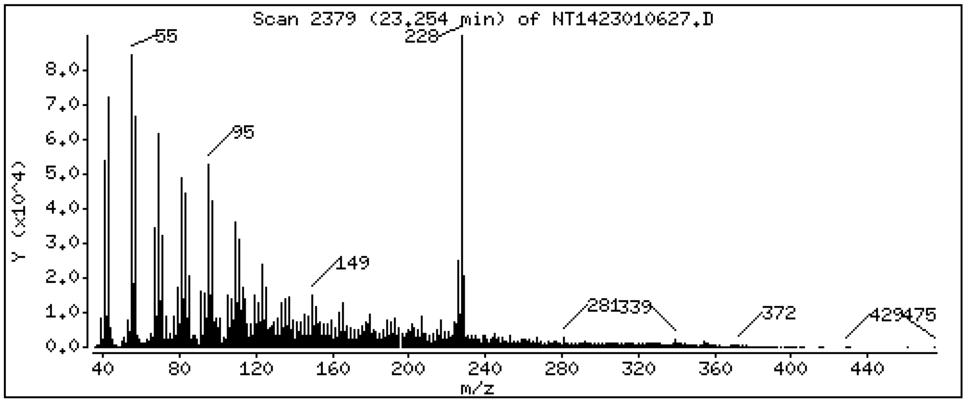
Client ID: Instrument: nt14.i

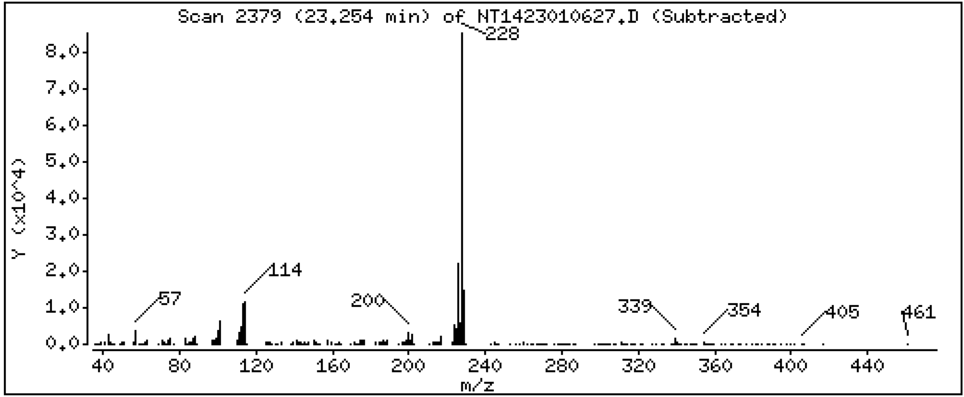
Sample Info: 22L0307-37

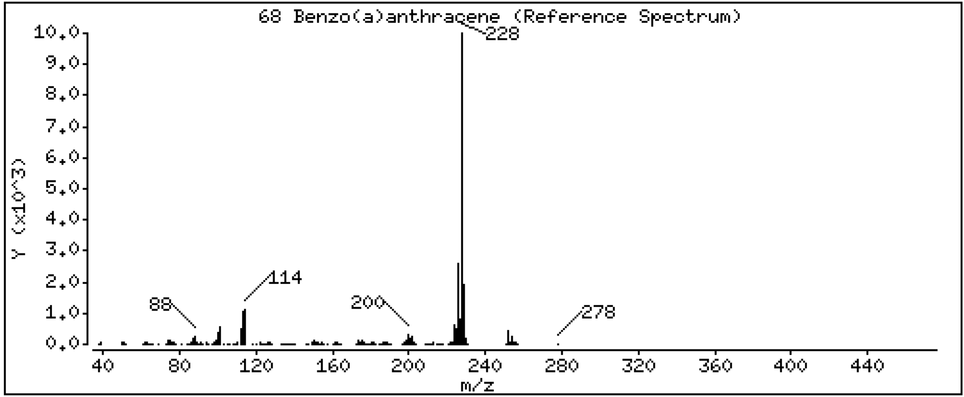
Operator: VTS

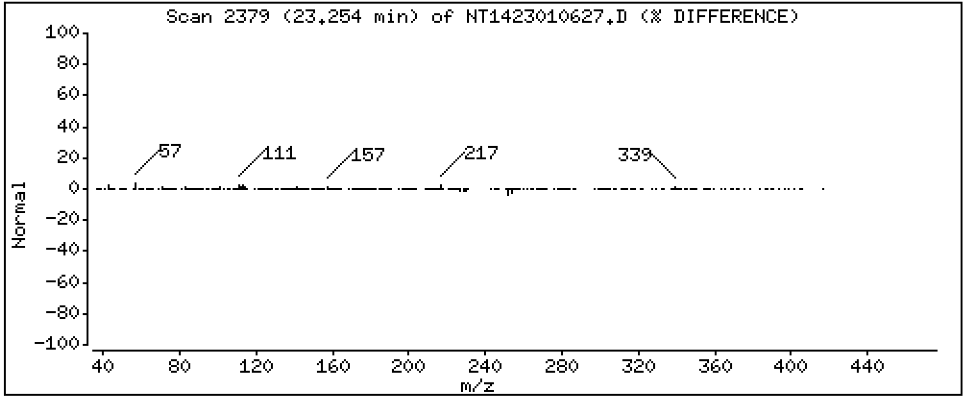
Column phase: ZB-5msi Column diameter: 0.25

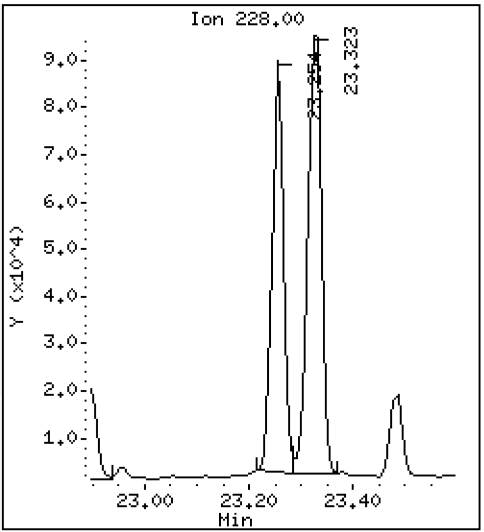
68 Benzo(a)anthracene Concentration: 4.507 ug/mL

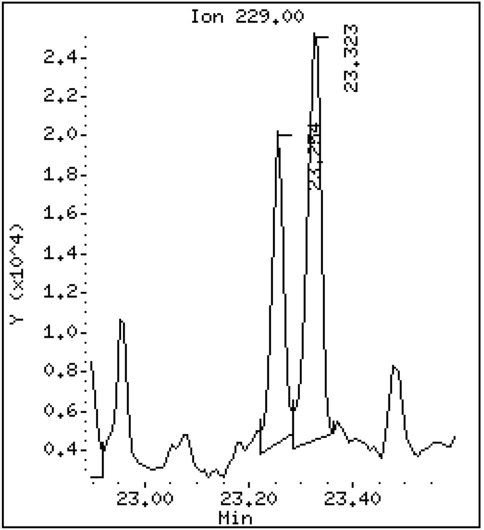

Scan 2379 (23.254 min) of NT1423010627.D

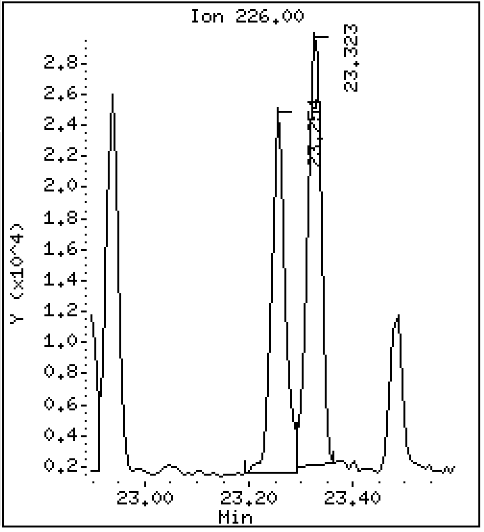

Scan 2379 (23.254 min) of NT1423010627.D (Subtracted)


68 Benzo(a)anthracene (Reference Spectrum)


Scan 2379 (23.254 min) of NT1423010627.D (% DIFFERENCE)


Ion 228.00


Ion 229.00


Ion 226.00

Data File: \\target\share\chem3\nt14.i\20230106.b\NT1423010627.D Page 19

Date : 07-JAN-2023 03:15

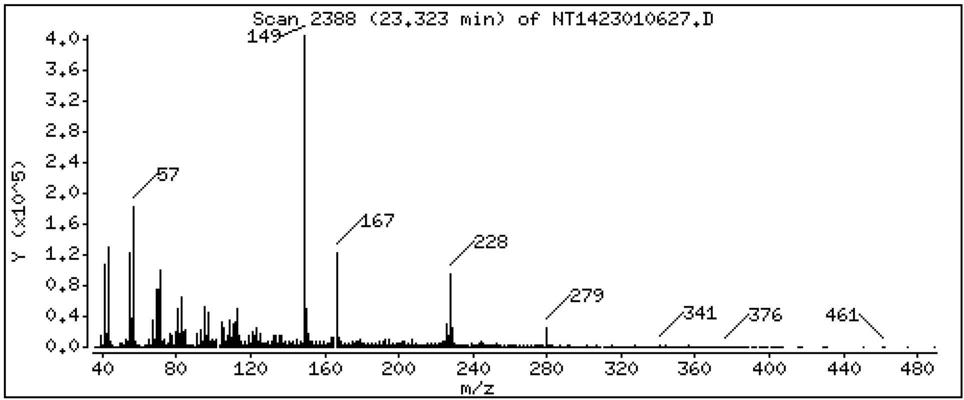
Client ID: Instrument: nt14.i

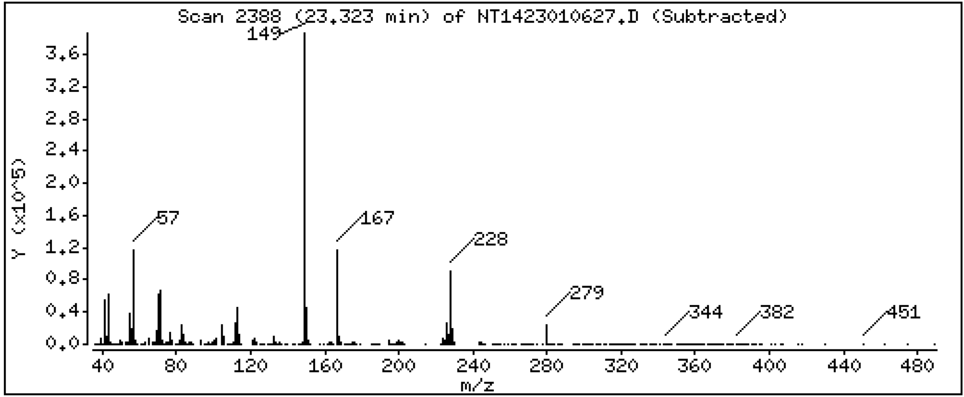
Sample Info: 22L0307-37

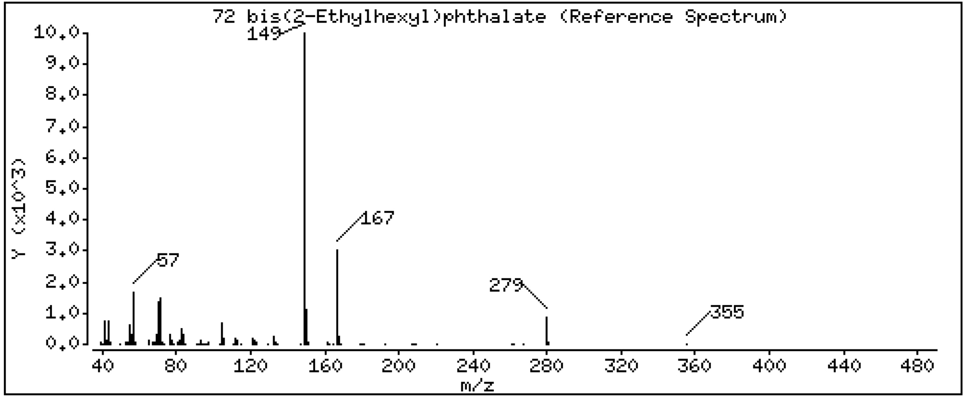
Operator: VTS

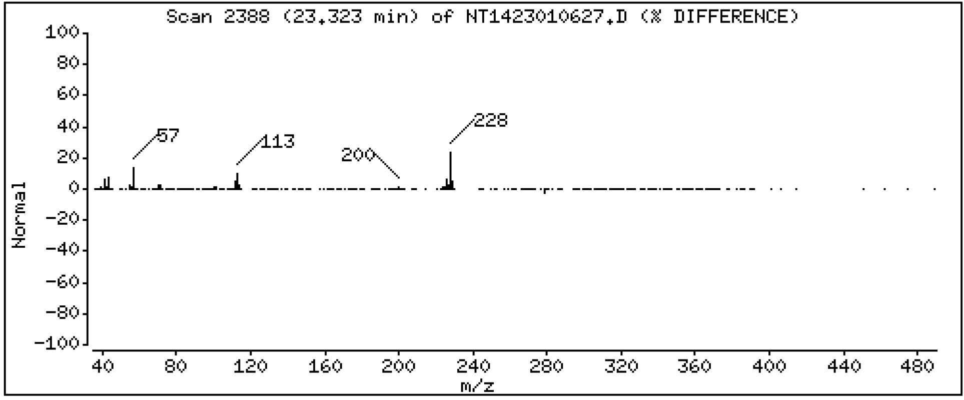
Column phase: ZB-5msi Column diameter: 0.25

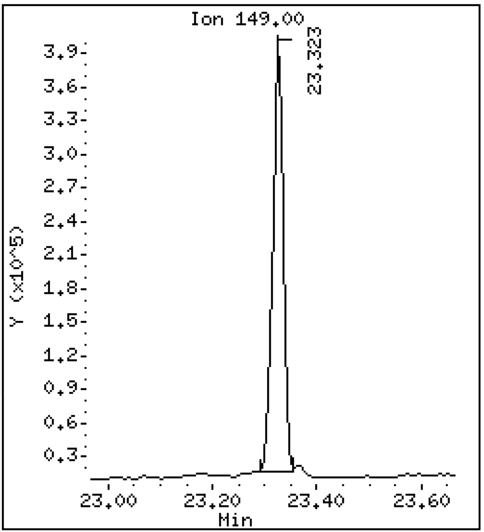
72 bis(2-Ethylhexyl)phthalate Concentration: 25.57 ug/mL

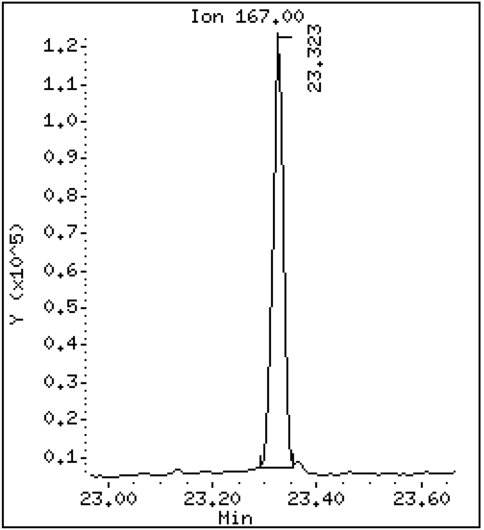

Scan 2388 (23.323 min) of NT1423010627.D

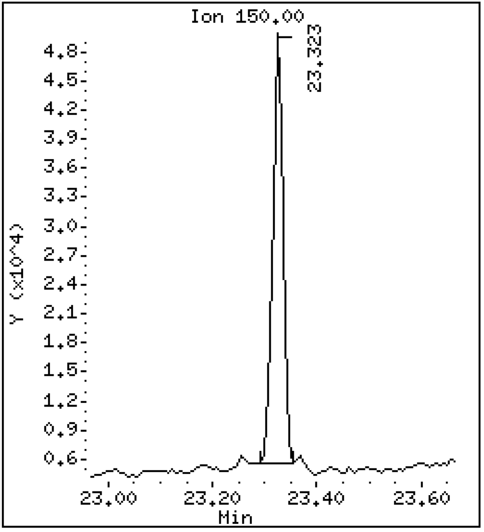

Scan 2388 (23.323 min) of NT1423010627.D (Subtracted)


72 bis(2-Ethylhexyl)phthalate (Reference Spectrum)


Scan 2388 (23.323 min) of NT1423010627.D (% DIFFERENCE)


Ion 149.00


Ion 167.00


Ion 150.00

Data File: \\target\share\chem3\nt14.i\20230106.b\NT1423010627.D

Date : 07-JAN-2023 03:15

Client ID:

Instrument: nt14.i

Sample Info: 22L0307-37

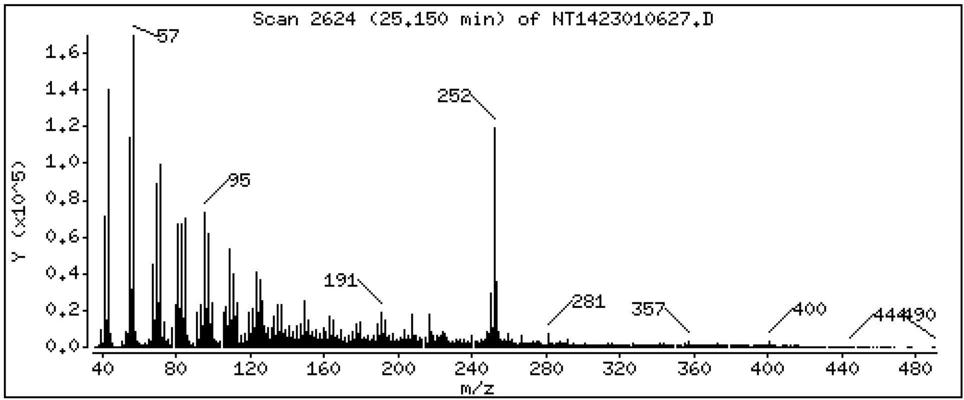
Operator: VTS

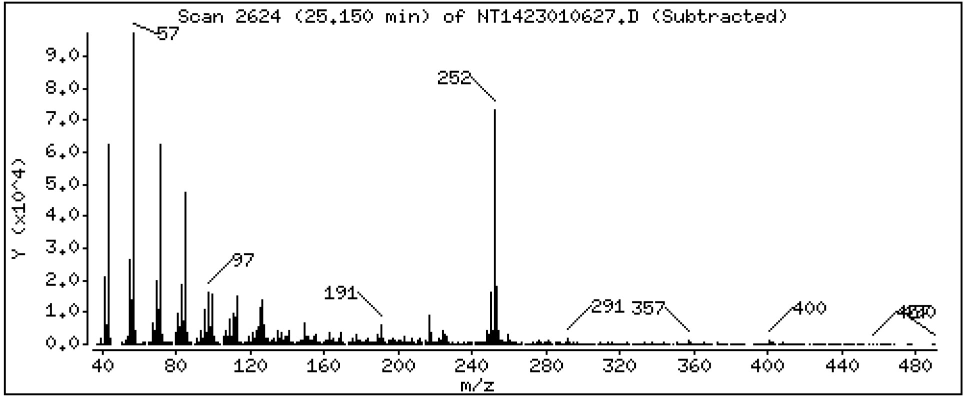
Column phase: ZB-5msi

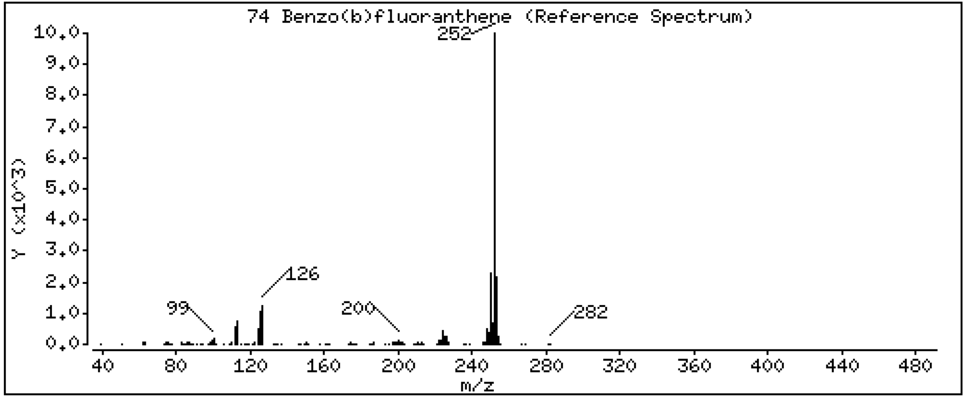
Column diameter: 0.25

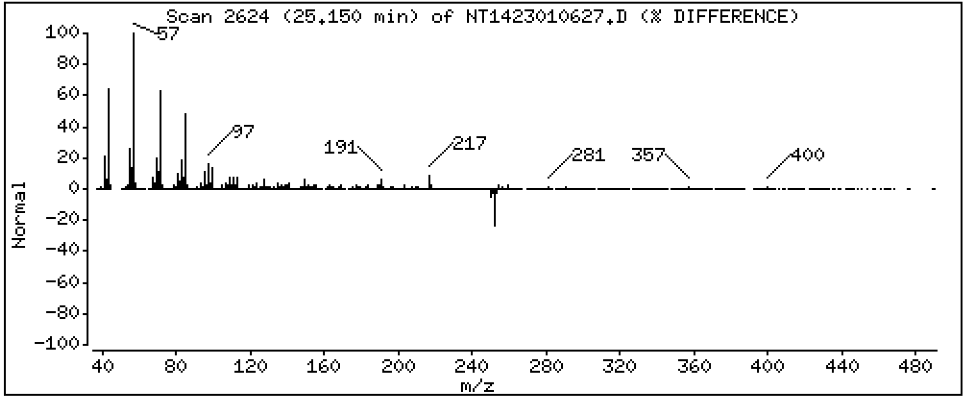
74 Benzo(b)fluoranthene

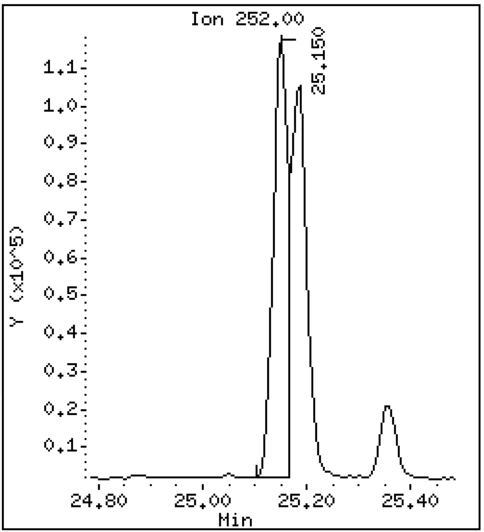
Concentration: 6.397 ug/mL

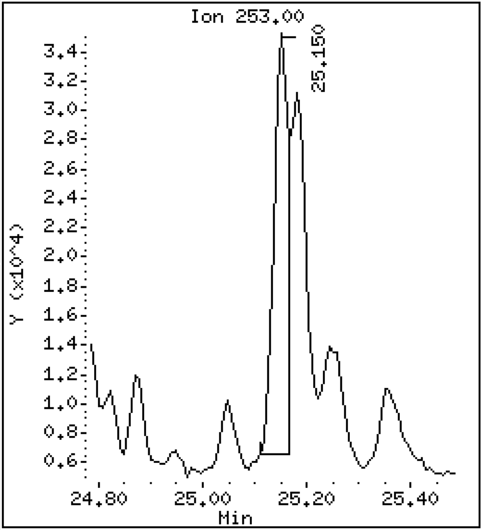

Scan 2624 (25.150 min) of NT1423010627.D

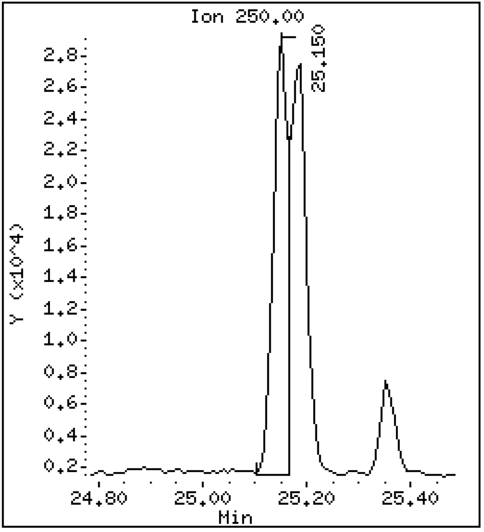

Scan 2624 (25.150 min) of NT1423010627.D (Subtracted)


74 Benzo(b)fluoranthene (Reference Spectrum)


Scan 2624 (25.150 min) of NT1423010627.D (% DIFFERENCE)


Ion 252.00


Ion 253.00


Ion 250.00

Data File: \\target\share\chem3\nt14.i\20230106.b\NT1423010627.D

Date : 07-JAN-2023 03:15

Client ID:

Instrument: nt14.i

Sample Info: 22L0307-37

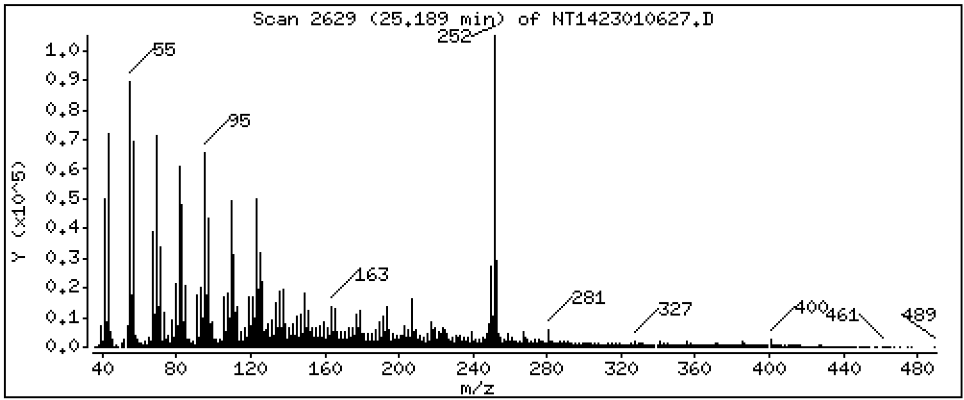
Operator: VTS

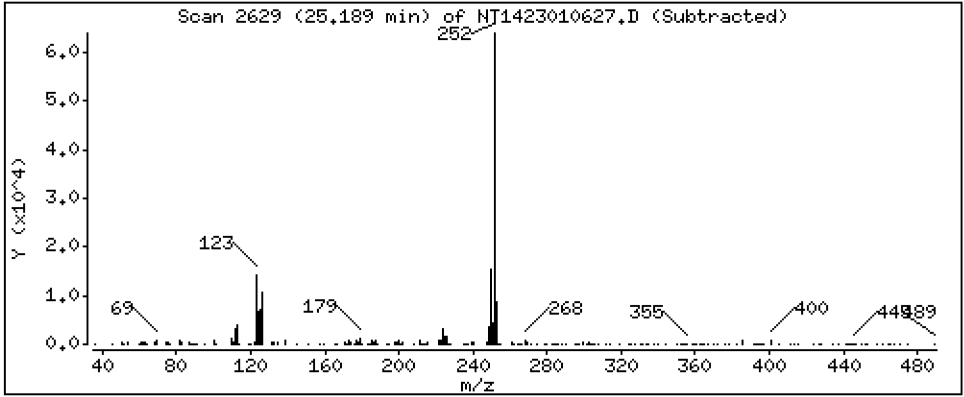
Column phase: ZB-5msi

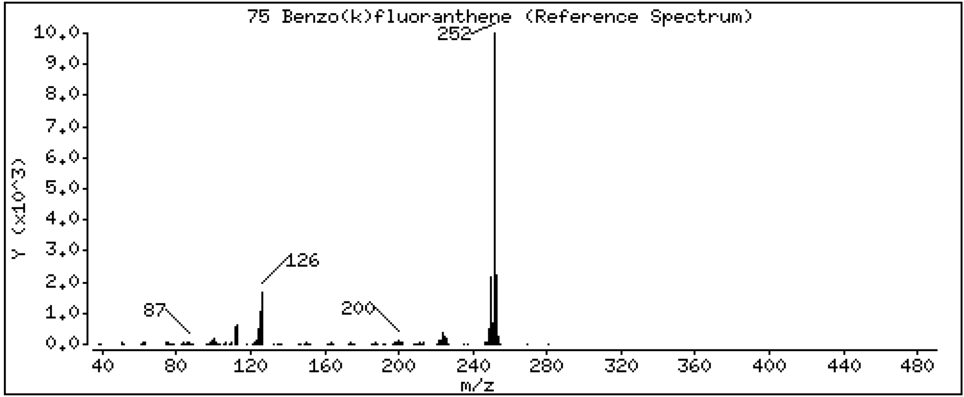
Column diameter: 0.25

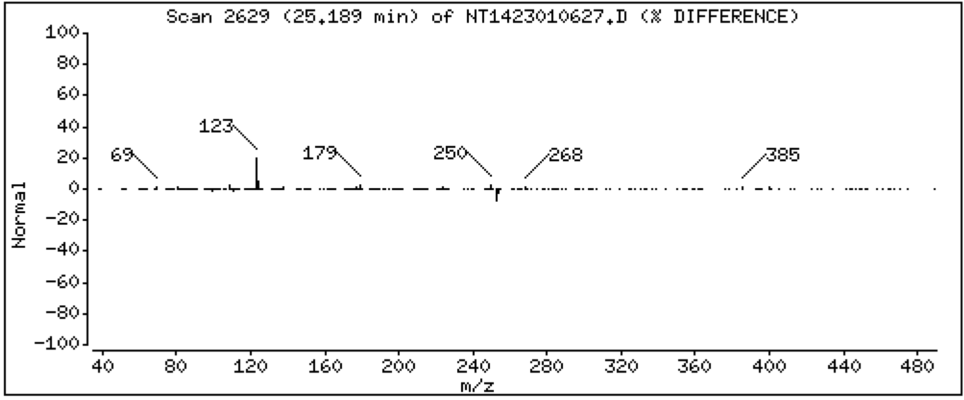
75 Benzo(k)fluoranthene

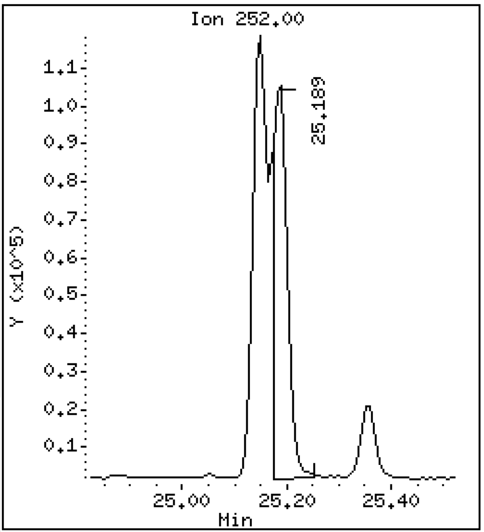
Concentration: 5.581 ug/mL

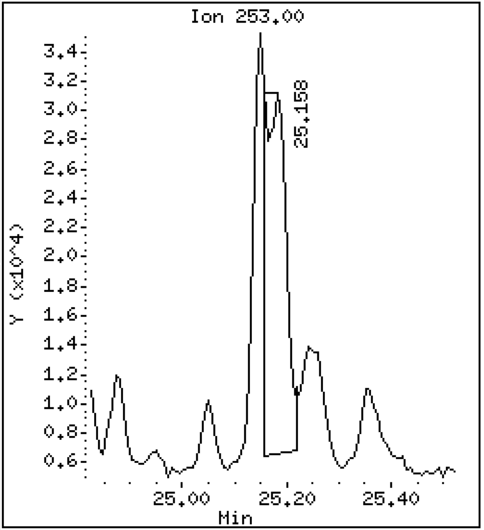

Scan 2629 (25.189 min) of NT1423010627.D


Scan 2629 (25.189 min) of NT1423010627.D (Subtracted)


75 Benzo(k)fluoranthene (Reference Spectrum)


Scan 2629 (25.189 min) of NT1423010627.D (% DIFFERENCE)


Ion 252.00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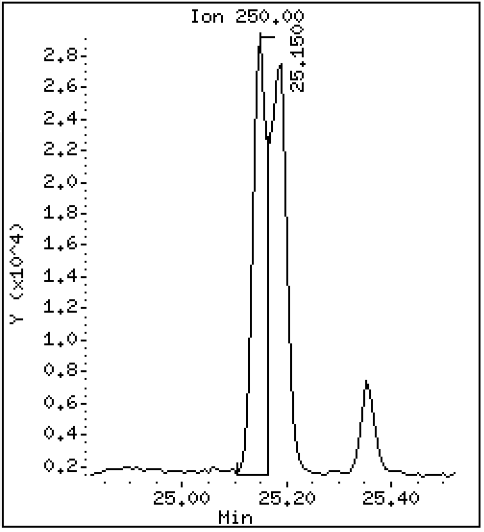

Ion 250.00

Data File: \\target\share\chem3\nt14.i\20230106.b\NT1423010627.D

Date : 07-JAN-2023 03:15

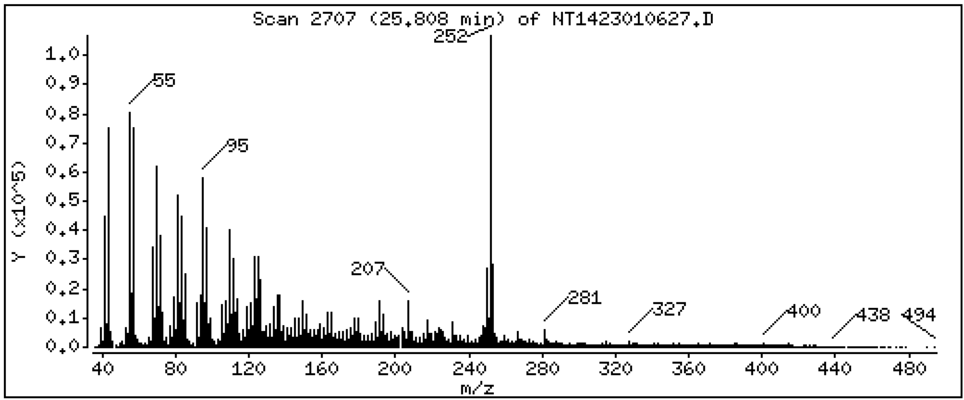
Client ID: Instrument: nt14.i

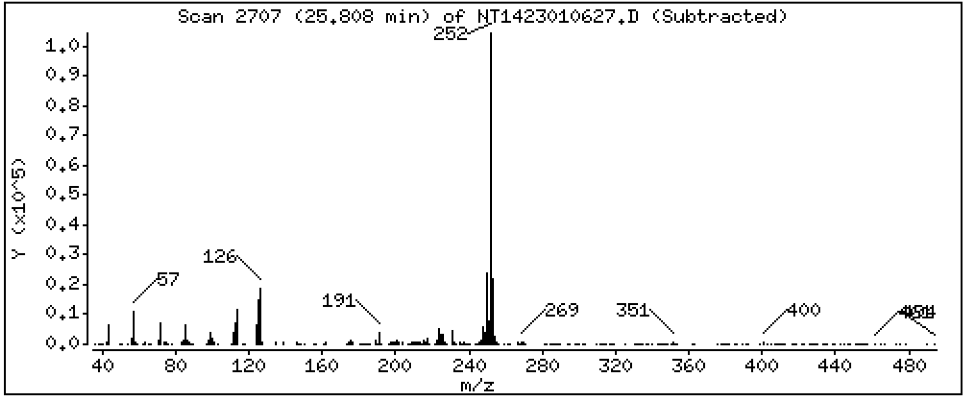
Sample Info: 22L0307-37

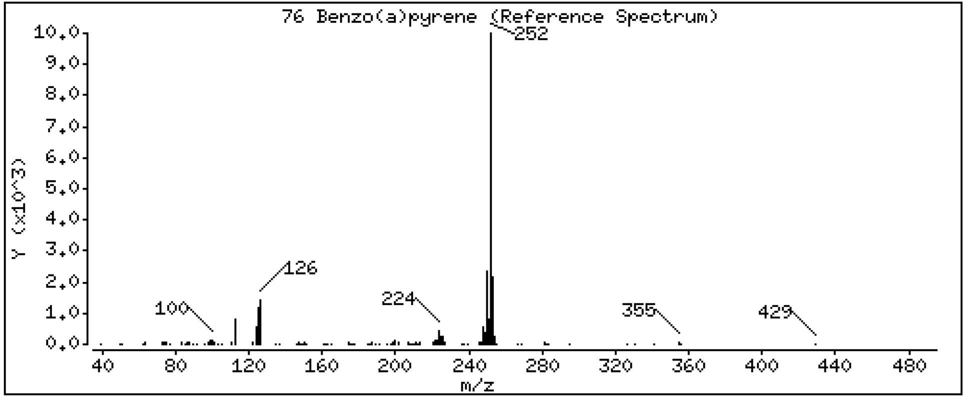
Operator: VTS

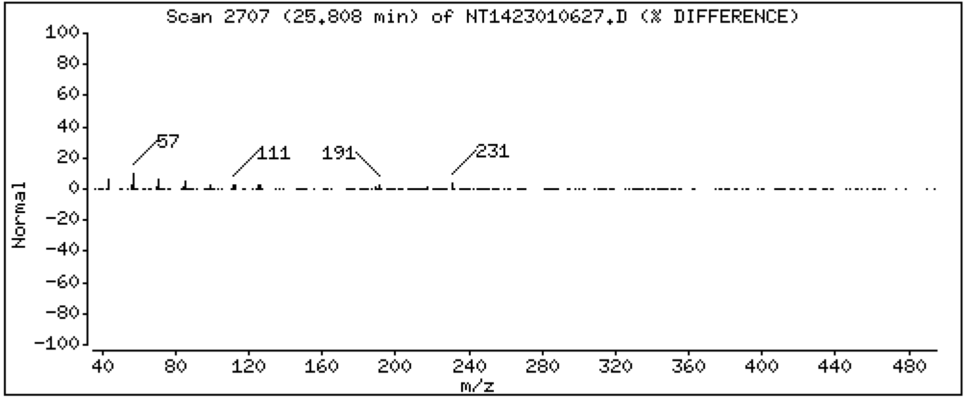
Column phase: ZB-5msi Column diameter: 0.25

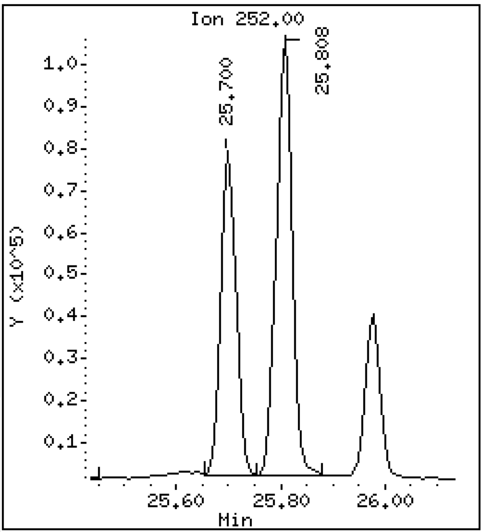
76 Benzo(a)pyrene Concentration: 7.335 ug/mL

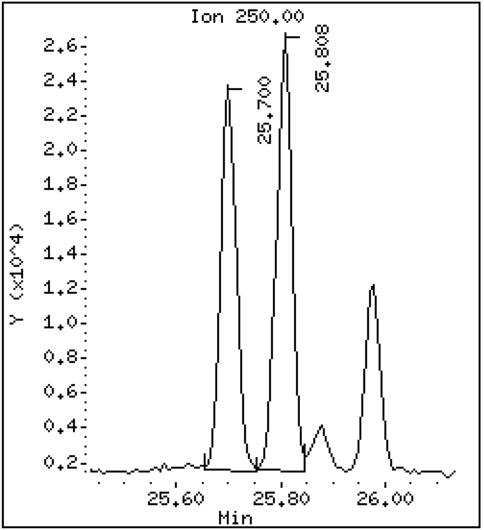


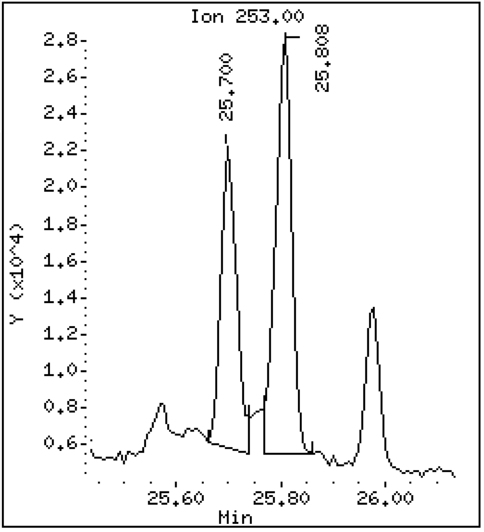












Data File: \\target\share\chem3\nt14.i\20230106.b\NT1423010627.D

Date : 07-JAN-2023 03:15

Client ID:

Instrument: nt14.i

Sample Info: 22L0307-37

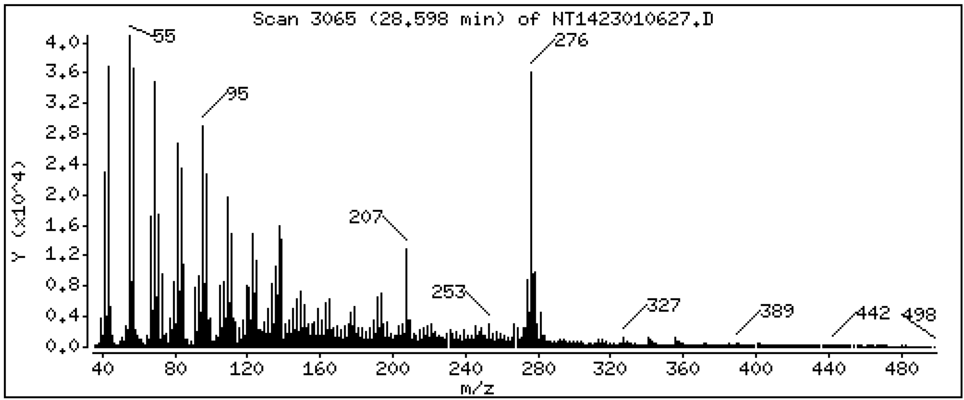
Operator: VTS

Column phase: ZB-5msi

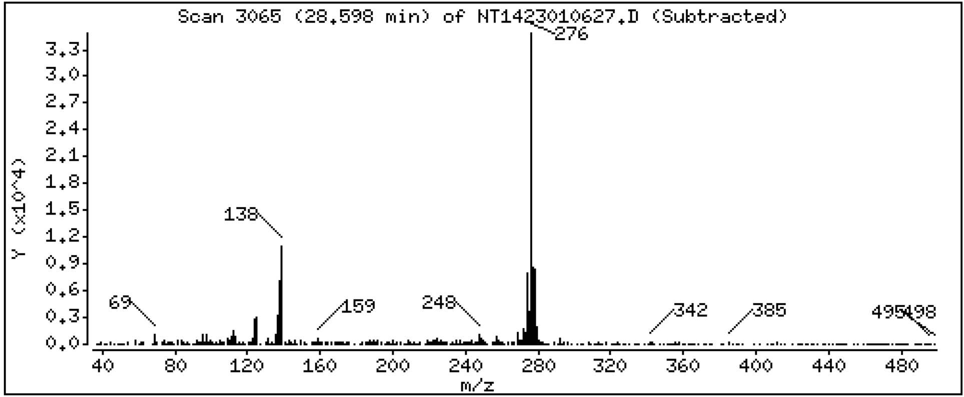
Column diameter: 0.25

78 Indeno(1,2,3-cd)pyrene

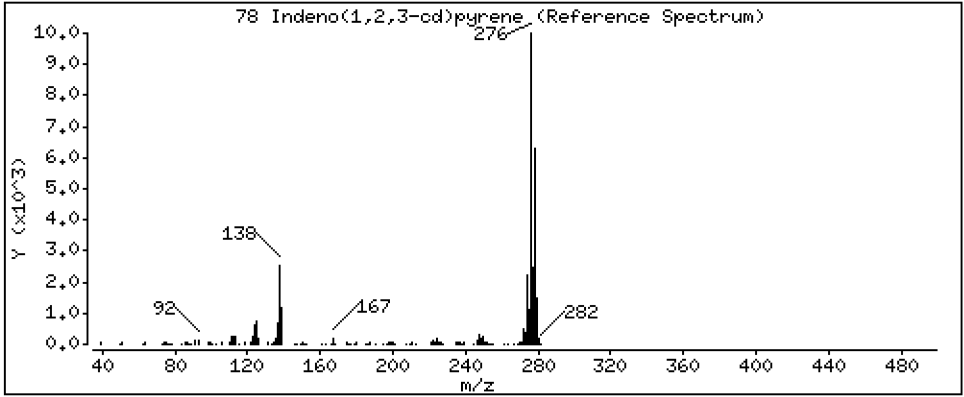
Concentration: 3.491 ug/mL



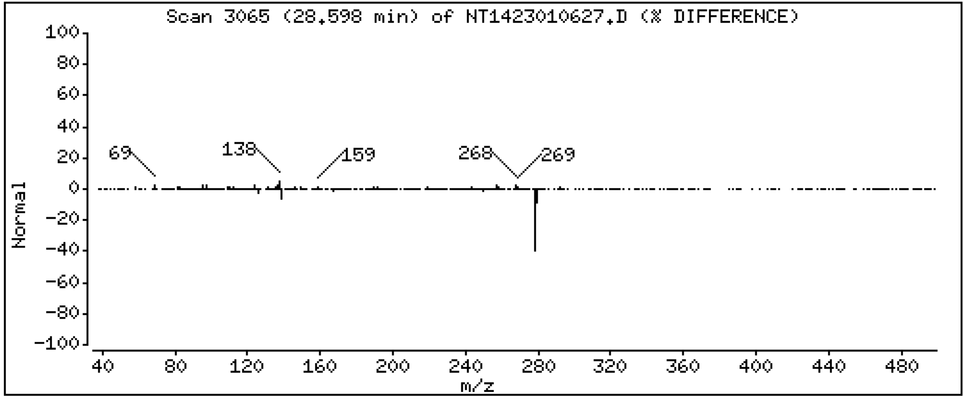
Scan 3065 (28.598 min) of NT1423010627.D



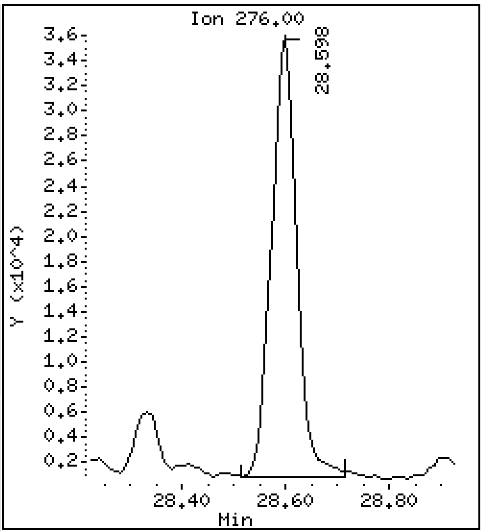
Scan 3065 (28.598 min) of NT1423010627.D (Subtracted)



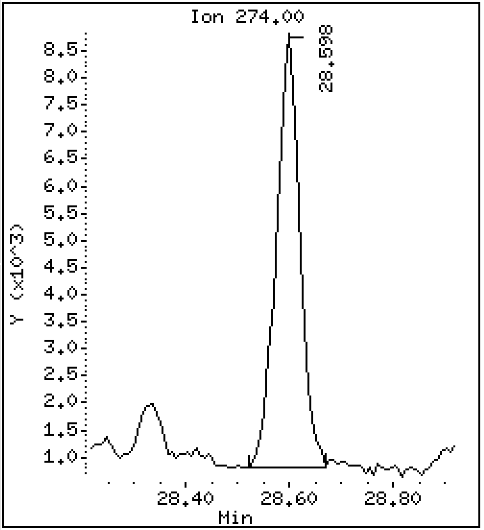
78 Indeno(1,2,3-cd)pyrene (Reference Spectrum)



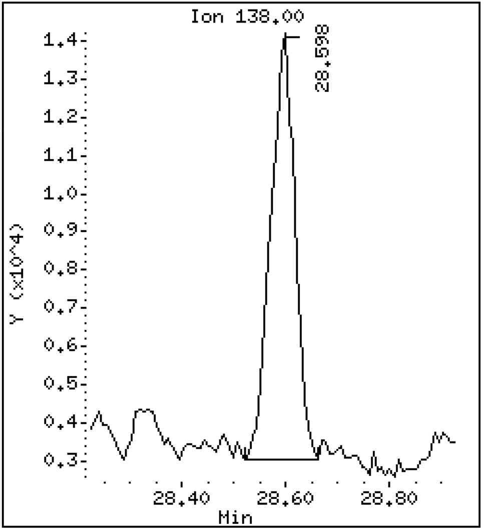
Scan 3065 (28.598 min) of NT1423010627.D (% DIFFERENCE)



Ion 276.00



Ion 274.00



Ion 138.00

Data File: \\target\share\chem3\nt14.i\20230106.b\NT1423010627.D

Date : 07-JAN-2023 03:15

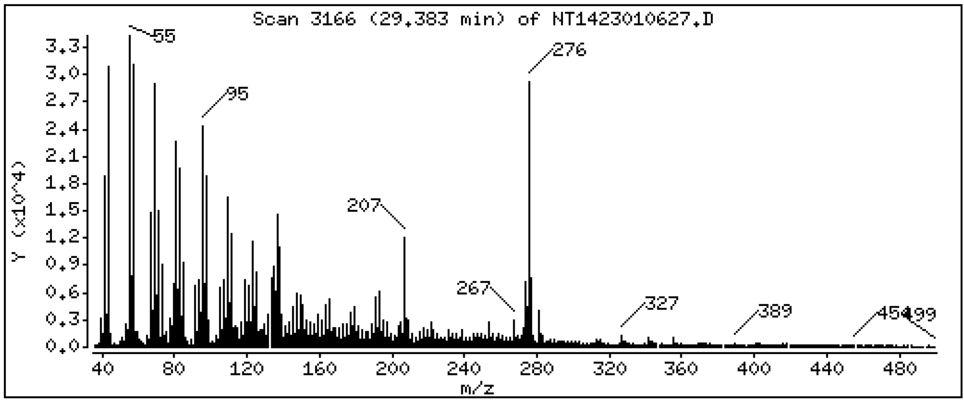
Client ID: Instrument: nt14.i

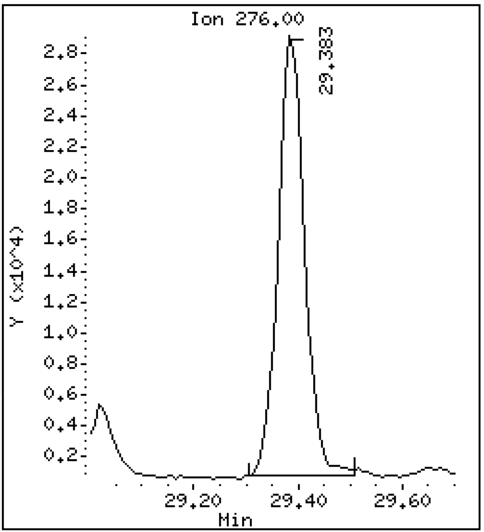
Sample Info: 22L0307-37

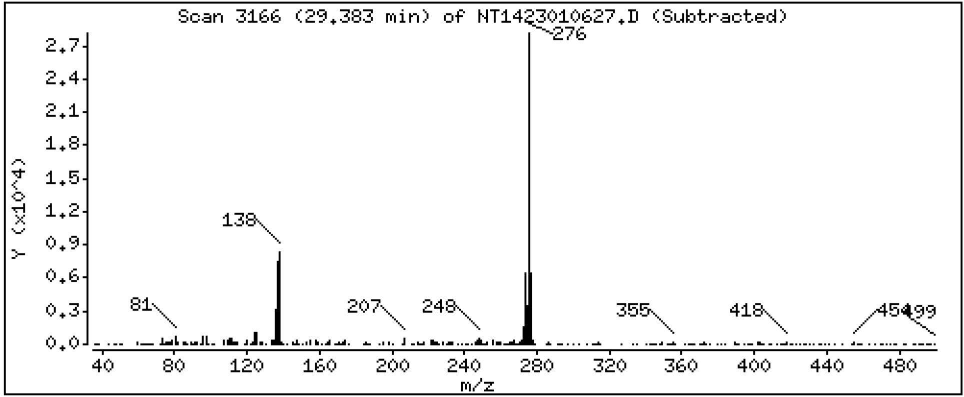
Operator: VTS

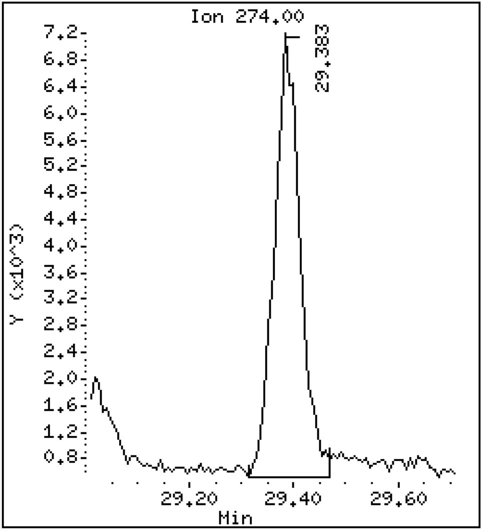
Column phase: ZB-5msi Column diameter: 0.25

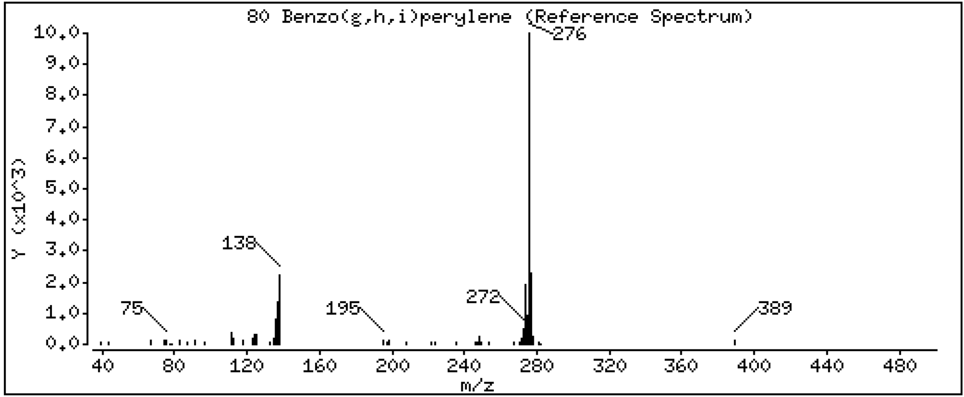
80 Benzo(g,h,i)perylene Concentration: 3.567 ug/mL

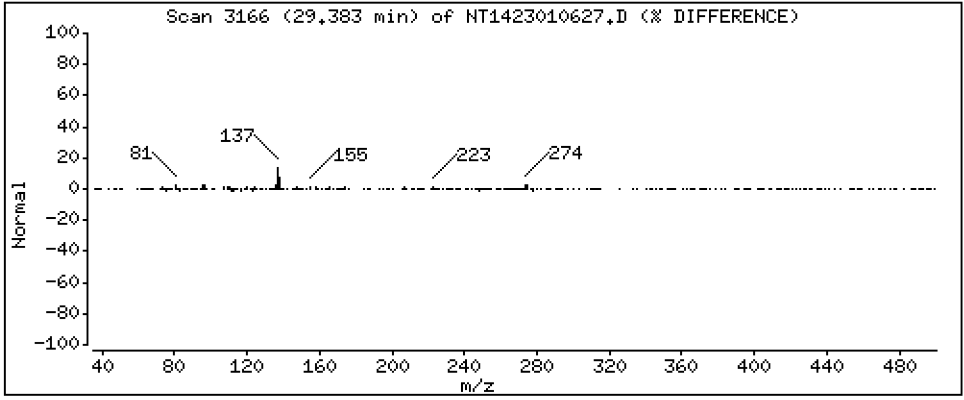


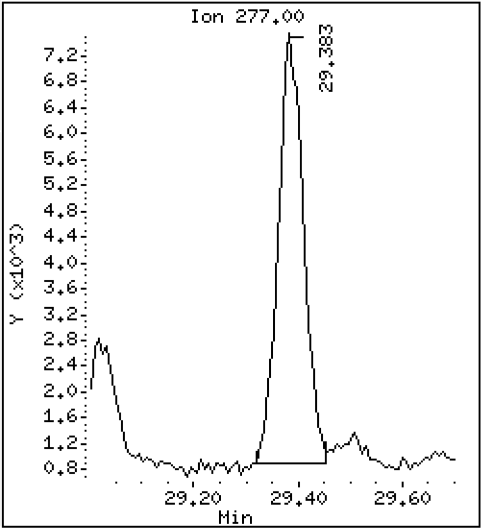












Data File: \\target\share\chem3\nt14.i\20230106.b\NT1423010627.D

Date : 07-JAN-2023 03:15

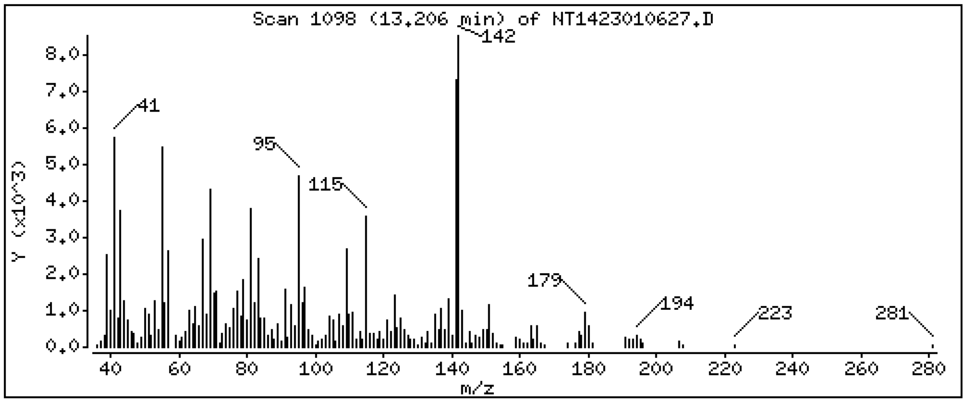
Client ID: Instrument: nt14.i

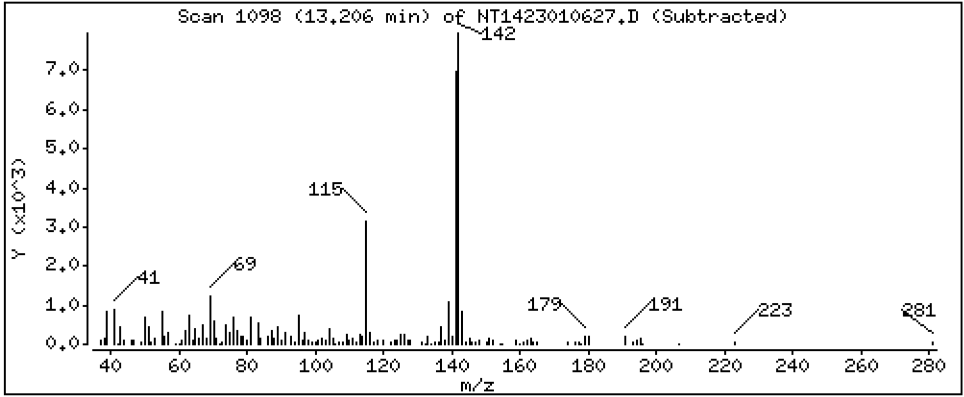
Sample Info: 22L0307-37

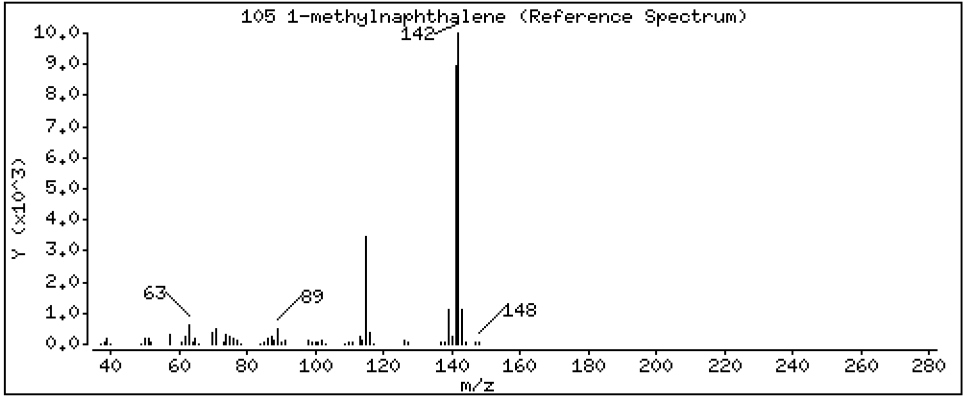
Operator: VTS

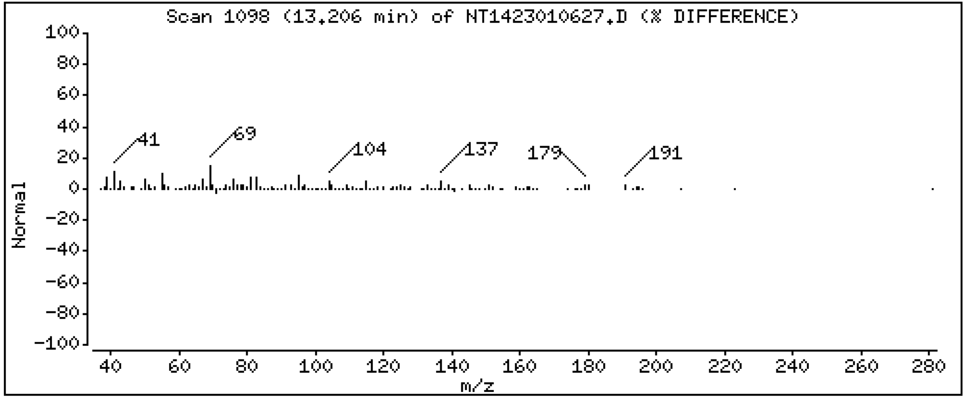
Column phase: ZB-5msi Column diameter: 0.25

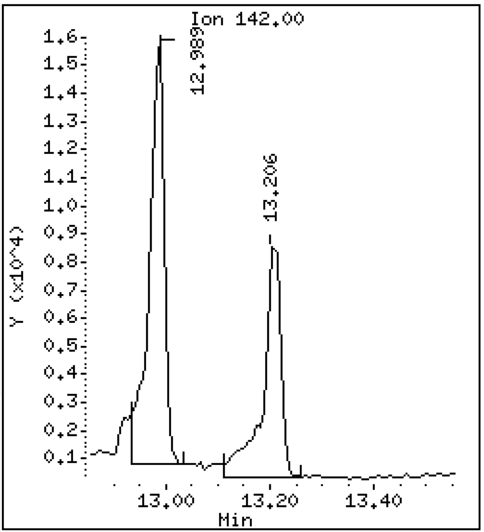
105 1-methylnaphthalene Concentration: 1.014 ug/mL

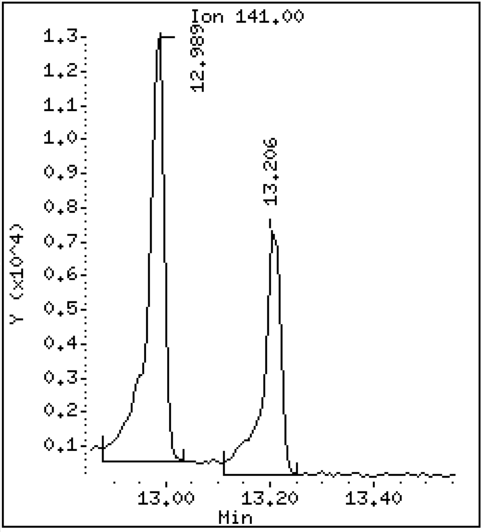

Scan 1098 (13.206 min) of NT1423010627.D


Scan 1098 (13.206 min) of NT1423010627.D (Subtracted)


105 1-methylnaphthalene (Reference Spectrum)


Scan 1098 (13.206 min) of NT1423010627.D (% DIFFERENCE)


Ion 142.00


Ion 141.00

Data File: \\target\share\chem3\nt14.i\20230106.b\NT1423010627.D

Date : 07-JAN-2023 03:15

Client ID:

Instrument: nt14.i

Sample Info: 22L0307-37

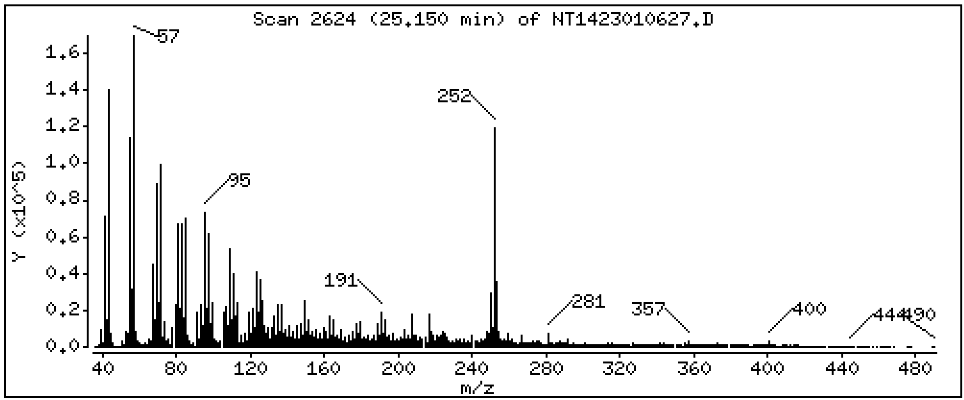
Operator: VTS

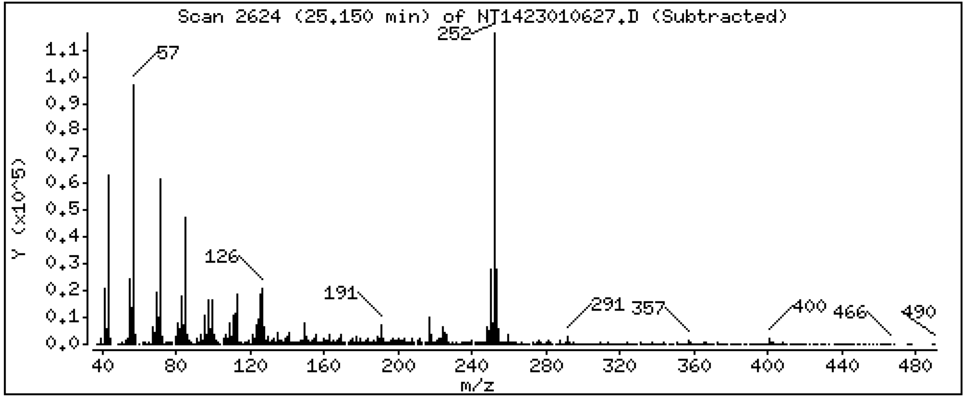
Column phase: ZB-5msi

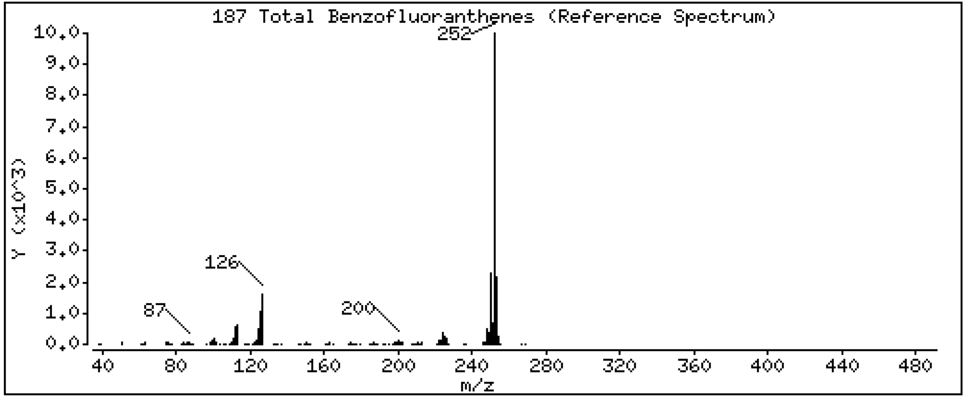
Column diameter: 0.25

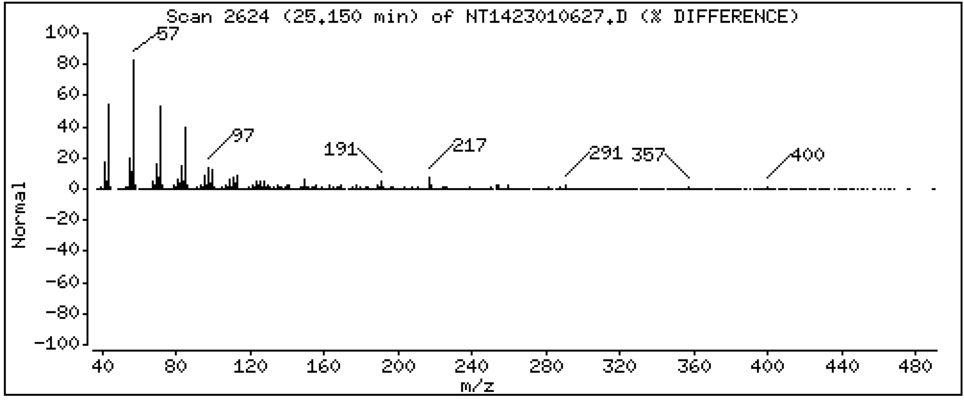
187 Total Benzofluoranthenes

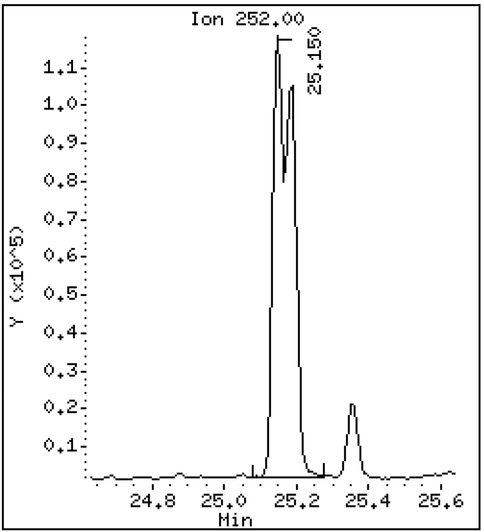
Concentration: 12.49 ug/mL

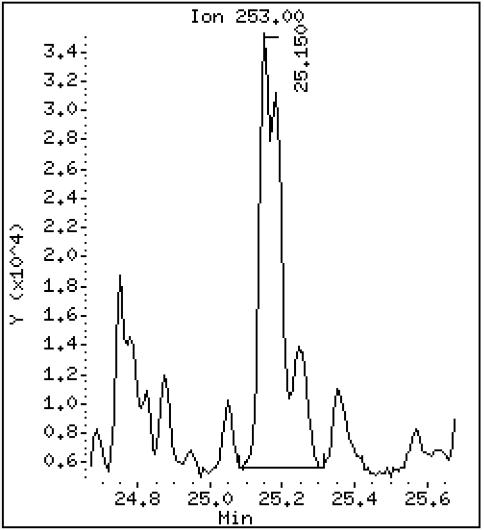


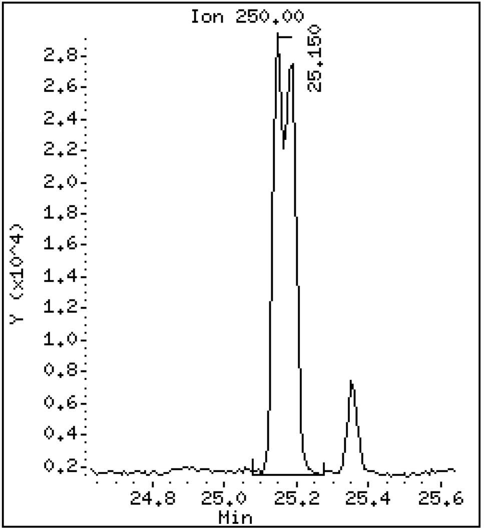












```
                                  ARI Labs, Inc.

                       Semivolatile Report SW846 Method 8270D
Data file : \\target\share\chem3\nt14.i\20230106.b\NT1423010627.D
Lab Smp Id: 22L0307-37
Inj Date  : 07-JAN-2023 03:15             MS Autotune Date: 17-MAY-2011 01:22
Operator  : VTS                           Inst ID: nt14.i
Smp Info  : 22L0307-37
Misc Info :
Comment   : 1ul Injection
Method    : \\target\share\chem3\nt14.i\20230106.b\ABN.m
Meth Date : 12-Jan-2023 08:12 van         Quant Type: ISTD
Cal Date  : 30-DEC-2022 11:07             Cal File: NT1422123007.D
Als bottle: 24
Dil Factor: 3.00000
Integrator: HP RTE                        Compound Sublist: ICAL.sub
Target Version:  4.14
Processing Host: VANS-201906


                                                                                   CONCENTRATIONS
                                      QUANT SIG                                 ON-COLUMN    FINAL
Compounds                               MASS         RT   EXP RT   REL RT  RESPONSE  (ug/mL)     (ug/mL)
==========================              ====        ==== ======== ======== ========  =======     =======
$   1 2-Fluorophenol                     112        6.834   6.811 (0.756)      39356   1.66184       4.986
$   2 Phenol-d5                           99        8.457   8.403 (0.935)      10879   0.37172       1.115
    3 Phenol                              94           Compound Not Detected.
$   5 2-Chlorophenol-d4                  132        8.696   8.673 (0.961)      40915   1.66459       4.994
    4 Bis(2-Chloroethyl)ether             93           Compound Not Detected.
    6 2-Chlorophenol                     128           Compound Not Detected.
    7 1,3-Dichlorobenzene                146           Compound Not Detected.
*   8 1,4-Dichlorobenzene-d4             152        9.044   9.037 (1.000)      73921   4.00000
    9 1,4-Dichlorobenzene                146           Compound Not Detected.
$  10 1,2-Dichlorobenzene-d4             152        9.402   9.401 (1.039)      21707   1.29211       3.876
   12 1,2-Dichlorobenzene                146           Compound Not Detected.
   11 Benzyl alcohol                     108           Compound Not Detected.
   14 2,2'-oxybis(1-Chloropropane)       121           Compound Not Detected.
   13 2-Methylphenol                     108           Compound Not Detected.
   17 Hexachloroethane                   117           Compound Not Detected.
   16 N-Nitroso-di-n-propylamine          70           Compound Not Detected.
   15 4-Methylphenol                     108           Compound Not Detected.
$  18 Nitrobenzene-d5                    82        10.139  10.131 (0.878)      24078   0.88044       2.641
   19 Nitrobenzene                       77         9.836  10.170 (0.852)      28230   1.03940       3.118
   20 Isophorone                          82           Compound Not Detected.
   21 2-Nitrophenol                      139           Compound Not Detected.
   22 2,4-Dimethylphenol                 107           Compound Not Detected.
   23 Bis(2-Chloroethoxy)methane          93           Compound Not Detected.
   24 Benzoic acid                       105           Compound Not Detected.
   25 2,4-Dichlorophenol                 162           Compound Not Detected.
   26 1,2,4-Trichlorobenzene             180           Compound Not Detected.
*  27 Naphthalene-d8                     136       11.542  11.534 (1.000)     323855   4.00000
   28 Naphthalene                        128       11.581  11.581 (1.003)      47106   0.59105       1.773
   29 4-Chloroaniline                    127       11.581  11.712 (1.003)       4152   0.12632      0.3790
   30 Hexachlorobutadiene                 225           Compound Not Detected.
   31 4-Chloro-3-methylphenol            107           Compound Not Detected.
   32 2-Methylnaphthalene                142       12.988  12.981 (1.125)      29441   0.50359       1.511
   33 Hexachlorocyclopentadiene           237           Compound Not Detected.
```

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Data File: \\target\share\chem3\nt14.i\20230106.b\NT1423010627.D Page 2
Report Date: 12-Jan-2023 08:15


                                                                                          CONCENTRATIONS
                                      QUANT SIG                                         ON-COLUMN    FINAL
Compounds                               MASS           RT   EXP RT   REL RT  RESPONSE    (ug/mL)    (ug/mL)
==========================              ====          ==== ======== ======== ========    =======    =======
   34 2,4,6-Trichlorophenol               196           Compound Not Detected.
   35 2,4,5-Trichlorophenol               196           Compound Not Detected.
$  36 2-Fluorobiphenyl                   172        13.770  13.770 (0.908)      74712    1.36419      4.093
   37 2-Chloronaphthalene                 162           Compound Not Detected.
   38 2-Nitroaniline                       65           Compound Not Detected.
   39 Dimethylphthalate                  163        14.676  14.668 (0.967)     116154    2.52856      7.586
   40 Acenaphthylene                     152        14.861  14.853 (0.980)      30059    0.42312      1.269
   41 2,6-Dinitrotoluene                  165           Compound Not Detected.
*  42 Acenaphthene-d10                   164        15.171  15.171 (1.000)     162889    4.00000
   43 3-Nitroaniline                      138           Compound Not Detected.
   44 Acenaphthene                       153        15.240  15.240 (1.005)      57316    1.30080      3.902
   45 2,4-Dinitrophenol                   184           Compound Not Detected.
   46 Dibenzofuran                       168        15.565  15.565 (1.026)      34718    0.52543      1.576
   47 4-Nitrophenol                       109           Compound Not Detected.
   48 2,4-Dinitrotoluene                  165           Compound Not Detected.
   50 Diethylphthalate                    149           Compound Not Detected.
   49 Fluorene                           166        16.284  16.284 (1.073)      28804    0.40978      1.229
   51 4-Chlorophenyl-phenylether          204           Compound Not Detected.
   52 4-Nitroaniline                      138           Compound Not Detected.
   53 4,6-Dinitro-2-methylphenol          198           Compound Not Detected.
   54 N-Nitrosodiphenylamine              169           Compound Not Detected.
$  55 2,4,6-Tribromophenol               330        16.824  16.816 (1.109)      16037    2.08080      6.242
   56 4-Bromophenyl-phenylether           248           Compound Not Detected.
   57 Hexachlorobenzene                   284           Compound Not Detected.
   58 Pentachlorophenol                   266           Compound Not Detected.
*  59 Phenanthrene-d10                   188        18.223  18.215 (1.000)     314485    4.00000
   60 Phenanthrene                       178        18.269  18.269 (1.003)     188270    2.29610      6.888
   61 Anthracene                         178        18.362  18.362 (1.008)      55746    0.71216      2.136
   62 Carbazole                          167        18.695  18.687 (1.026)      18311    0.24198     0.7259
   63 Di-n-butylphthalate                149        19.499  19.491 (1.070)      33862    0.39577      1.187
   64 Fluoranthene                       202        20.675  20.652 (0.888)     280125    3.05580      9.167
   65 Pyrene                             202        21.093  21.077 (0.906)     640048    6.64067      19.92
$  66 Terphenyl-d14                      244        21.372  21.364 (0.918)      98273    1.43797      4.314
   67 Butylbenzylphthalate               149        22.293  22.285 (0.957)     161784    4.38242      13.15
   68 Benzo(a)anthracene                 228        23.253  23.245 (0.999)     129563    1.50227      4.507
*  69 Chrysene-d12                       240        23.284  23.276 (1.000)     284702    4.00000
   70 3,3'-Dichlorobenzidine              252           Compound Not Detected.
   71 Chrysene                            228           Compound Not Detected.
   72 bis(2-Ethylhexyl)phthalate         149        23.323  23.315 (0.959)     528114    8.52301      25.57
* 134 Di-n-octylphthalate-d4             153        24.314  24.298 (1.000)     557936    4.00000
   73 Di-n-octylphthalate                 149           Compound Not Detected.
   74 Benzo(b)fluoranthene               252        25.150  25.134 (0.970)     230810    2.13247      6.397
   75 Benzo(k)fluoranthene               252        25.188  25.173 (0.972)     204931    1.86026      5.581(M)
   76 Benzo(a)pyrene                     252        25.808  25.785 (0.996)     220003    2.44511      7.335
*  77 Perylene-d12                       264        25.924  25.901 (1.000)     344403    4.00000
   78 Indeno(1,2,3-cd)pyrene             276        28.598  28.574 (1.103)     119011    1.16354      3.491
   79 Dibenzo(a,h)anthracene              278           Compound Not Detected.
   80 Benzo(g,h,i)perylene               276        29.382  29.351 (1.133)     101886    1.18907      3.567
   90 N-Nitrosodimethylamine               74           Compound Not Detected.
   91 Aniline                              93           Compound Not Detected.
   93 Benzidine                           184           Compound Not Detected.
  103 Pyridine                             79           Compound Not Detected.
  105 1-methylnaphthalene                142        13.205  13.205 (1.144)      18992    0.33811      1.014
  111 Azobenzene (1,2-DP-Hydrazine)        77           Compound Not Detected.
```

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Data File: \\target\share\chem3\nt14.i\20230106.b\NT1423010627.D Page 3
Report Date: 12-Jan-2023 08:15
```

```
                                                                                              CONCENTRATIONS
                                        QUANT SIG                                           ON-COLUMN    FINAL
Compounds                                 MASS           RT   EXP RT   REL RT  RESPONSE     (ug/mL)     (ug/mL)
===========================               ====          ==== ======== ======== ========      =======    =======
  187 Total Benzofluoranthenes             252        25.150  25.134 (0.970)      435525    4.16208      12.49
  120 2,3,4,6-Tetrachlorophenol             232           Compound Not Detected.
```

QC Flag Legend

M - Compound response manually integrated.

```
Data File: \\target\share\chem3\nt14.i\20230106.b\NT1423010627.D Page 1
Report Date: 12-Jan-2023 08:15

                                 ARI Labs, Inc.

                          INTERNAL STANDARD COMPOUNDS
                              AREA AND RT SUMMARY

Instrument ID: nt14.i                         Calibration Date: 06-JAN-2023
Lab File ID: NT1423010627.D                   Calibration Time: 22:27
Lab Smp Id: 22L0307-37
Analysis Type: SV                                   Level:
Quant Type: ISTD                              Sample Type:
Operator: VTS
Method File: \\target\share\chem3\nt14.i\20230106.b\ABN.m
Misc Info:

Test Mode:
           Use Last Continuing Calibrator.

 _________________________________________________________________________
|                     |          |      AREA LIMIT     |          |       |
| COMPOUND            | STANDARD |   LOWER  |   UPPER  |  SAMPLE  | %DIFF |
|=====================|==========|==========|==========|==========|=======|
|  8 1,4-Dichlorobenze|    114022|     57011|    228044|     73921| -35.17|
| 27 Naphthalene-d8   |    420653|    210327|    841306|    323855| -23.01|
| 42 Acenaphthene-d10 |    216802|    108401|    433604|    162889| -24.87|
| 59 Phenanthrene-d10 |    366121|    183061|    732242|    314485| -14.10|
| 69 Chrysene-d12     |    276883|    138442|    553766|    284702|   2.82|
|134 Di-n-octylphthala|    540641|    270321|   1081282|    557936|   3.20|
| 77 Perylene-d12     |    308305|    154153|    616610|    344403|  11.71|
|_____________________|__________|__________|__________|__________|_______|


 _________________________________________________________________________
|                     |          |       RT LIMIT      |          |       |
| COMPOUND            | STANDARD |   LOWER  |   UPPER  |  SAMPLE  | %DIFF |
|=====================|==========|==========|==========|==========|=======|
|  8 1,4-Dichlorobenze|      9.04|      8.54|      9.54|      9.04|   0.09|
| 27 Naphthalene-d8   |     11.53|     11.03|     12.03|     11.54|   0.07|
| 42 Acenaphthene-d10 |     15.17|     14.67|     15.67|     15.17|   0.00|
| 59 Phenanthrene-d10 |     18.22|     17.72|     18.72|     18.22|   0.04|
| 69 Chrysene-d12     |     23.28|     22.78|     23.78|     23.28|   0.03|
|134 Di-n-octylphthala|     24.30|     23.80|     24.80|     24.31|   0.06|
| 77 Perylene-d12     |     25.90|     25.40|     26.40|     25.92|   0.09|
|_____________________|__________|__________|__________|__________|_______|

AREA UPPER LIMIT = +100% of internal standard area.
AREA LOWER LIMIT = - 50% of internal standard area.
RT UPPER LIMIT = + 0.50 minutes of internal standard RT.
RT LOWER LIMIT = - 0.50 minutes of internal standard RT.
```

```
REVIEW SUMMARY FOR FILE - NT1423010627.D

Lab ID: 22L0307-37
nt14.i,  20230106.b\ABN.m,    07-JAN-2023 03:15


     RT      CO-ELUTION COMPOUNDS
---------------------------------------------------------------------------

            NO CO-ELUTIONS



Quant Method: ICAL




        RRT CHECK

   RRT    CCV RRT   DELTA    COMPOUND
 -------------------------------------

  0.852    0.882   -0.0295   Nitrobenzene
  1.003    1.015   -0.0120   4-Chloroaniline
  0.935    0.930    0.0052   Phenol-d5

  RRT check based on Ccal File: NT1423010619.D



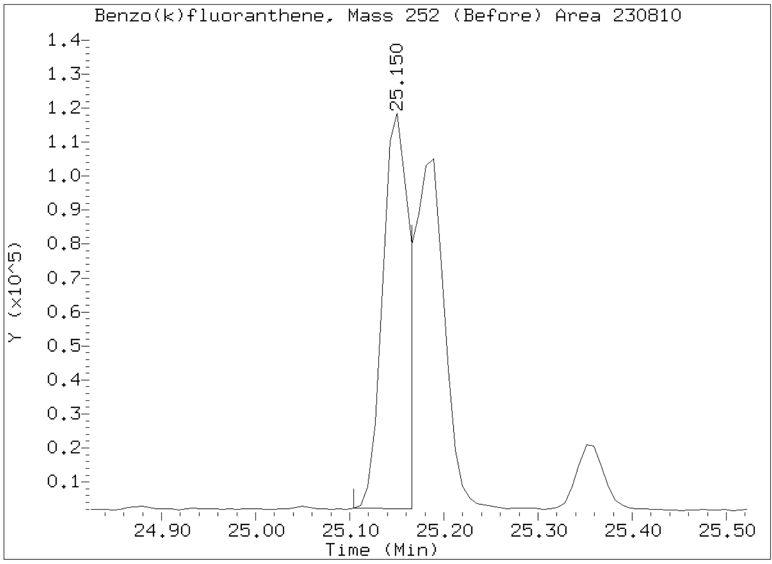
 On Column LOD for nt14.i, 20230106.b\ABN.m, ICAL.sub = 0.0000

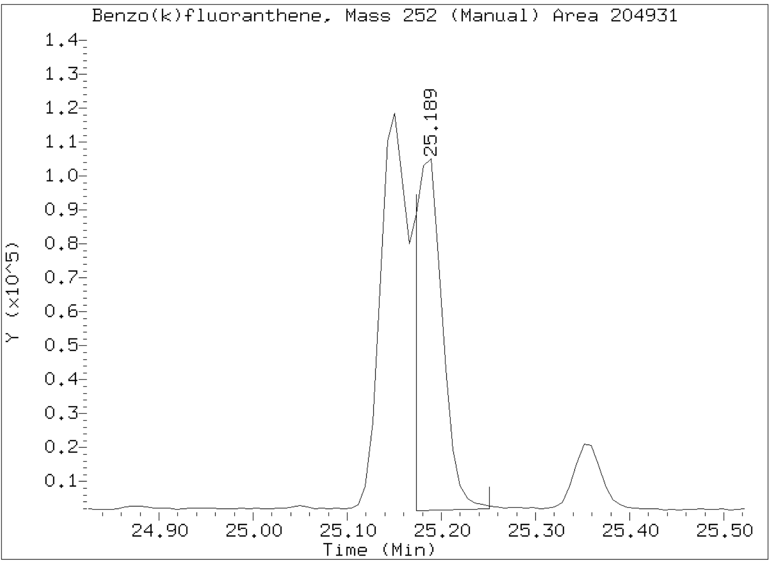



 * Only compounds listed in the work order have been verified by the analyst *
```

Quant Ion Manual Peak Adjustment Report

Datafile: //target/share/chem3/nt14.i/20230106.b/NT1423010627.D
Injection Date: 07-JAN-2023 03:15
Lab ID:22L0307-37 Client ID:
Report Date: 01/12/2023 08:15


Benzo(k)fluoranthene, Mass 252 (Before) Area 230810


Benzo(k)fluoranthene, Mass 252 (Manual) Area 204931

LDW22-SC804E

Form I
ORGANIC ANALYSIS DATA SHEET
EPA 8270E
Semivolatiles (20ug/kg - 0.2ug/L SepF)

Laboratory:	Analytical Resources, LLC				
Client:	Anchor QEA, LLC				
Project:	AOC4 UR Phase 3				
Matrix:	Sediment	Laboratory ID:	22L0307-38 B	SDG:	22L0307
Sampled:	12/12/22 11:18	Prepared:	12/27/22 11:08	File ID:	NT1423010628.D
% Solids:	79.11	Preparation:	EPA 3546 (Microwave)	Analyzed:	01/07/23 03:51
Batch:	BKL0585	Sequence:	SLA0068	Initial/Final:	12.68 g Wet / 1 mL
Instrument:	NT14	Column:	ZB-5MS	Calibration:	FL00066

CAS NO.	COMPOUND	DILUTION	CONC: (ug/kg dry)	Q	DL	RL
85-68-7	Butylbenzylphthalate	1	19.9	U	9.4	19.9

SURROGATES	ADDED: (ug/kg dry)	FOUND: (ug/kg dry)	% REC	QC LIMITS	Q
p-Terphenyl-d14	498.45	472	94.7	37 - 120	

Data File: \\target\share\chem3\nt14.i\20230106.b\NT1423010628.D

Page 1

Date : 07-JAN-2023 03:51

Client ID:

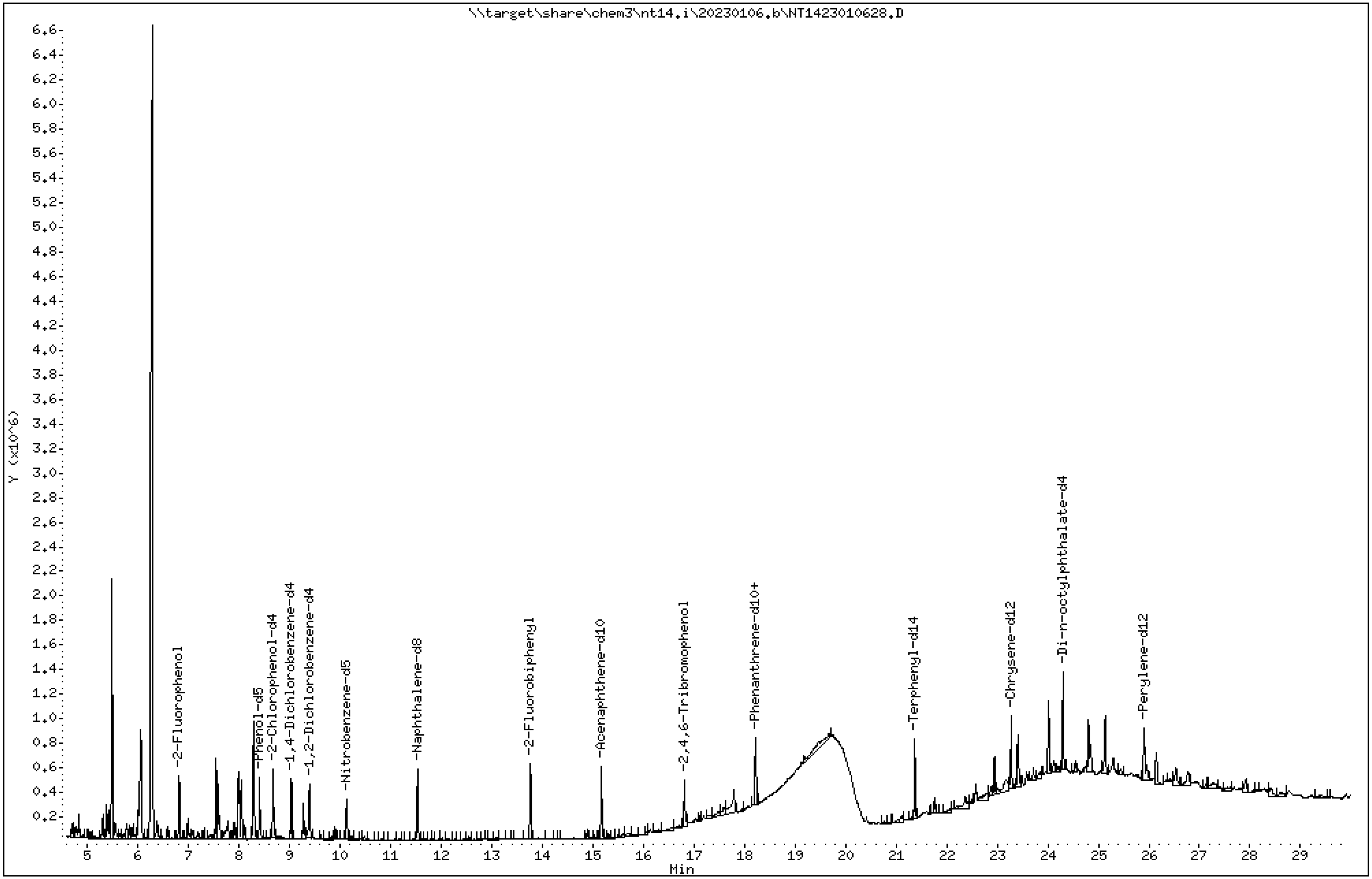
Instrument: nt14.i

Sample Info: 22L0307-38

Operator: VTS

Column phase: ZB-5msi

Column diameter: 0.25



Data File: \\target\share\chem3\nt14.i\20230106.b\NT1423010628.D Page 2

Date : 07-JAN-2023 03:51

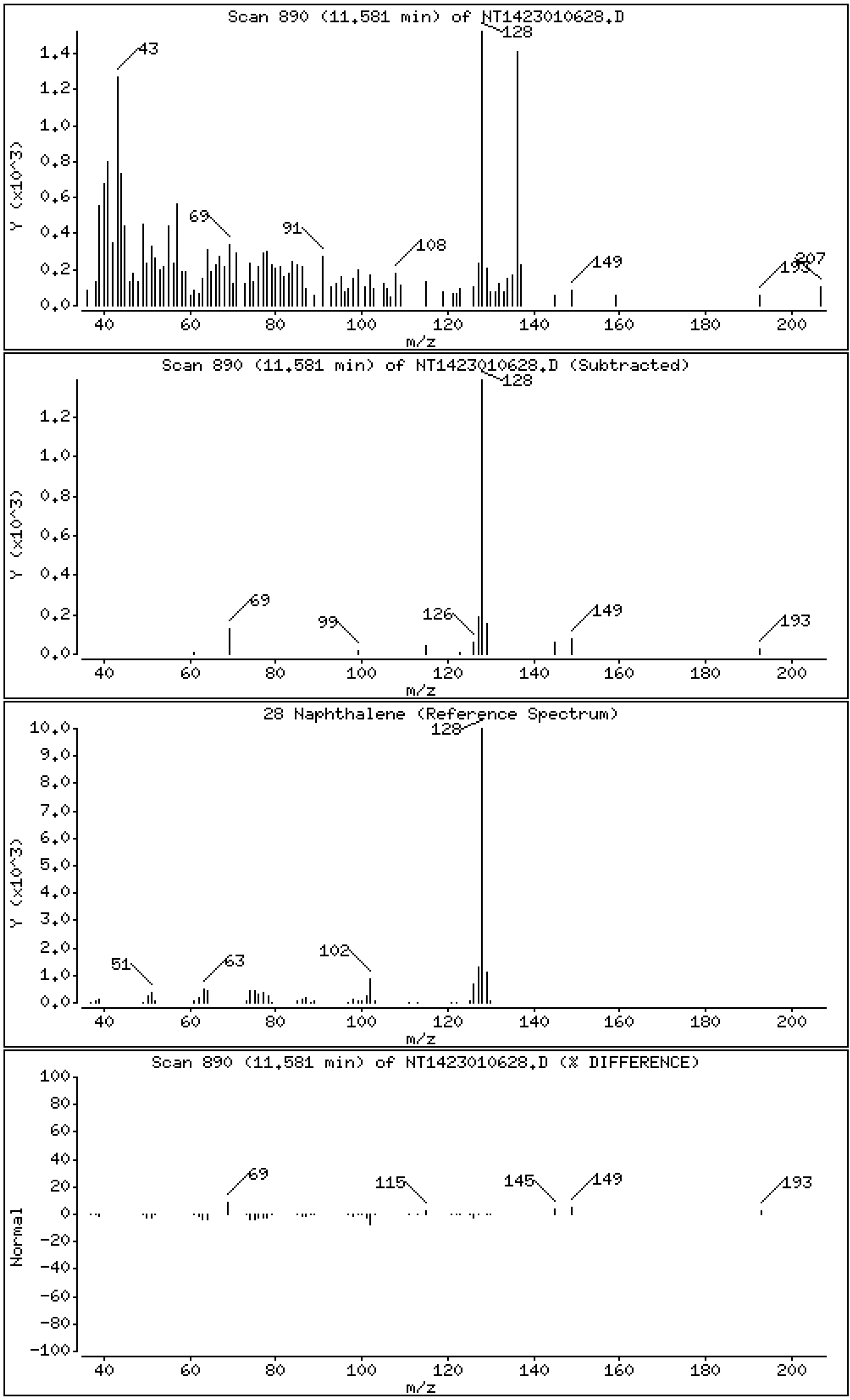
Client ID: Instrument: nt14.i

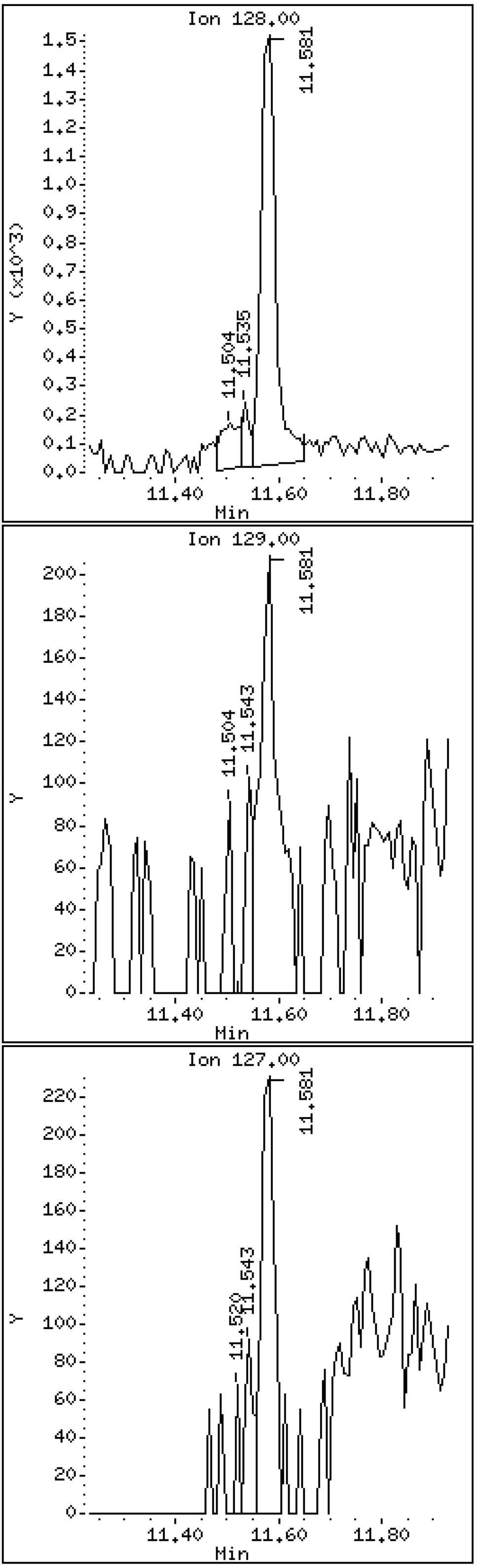
Sample Info: 22L0307-38

Operator: VTS

Column phase: ZB-5msi Column diameter: 0.25

28 Naphthalene Concentration: 0.02770 ug/mL





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Date : 07-JAN-2023 03:51

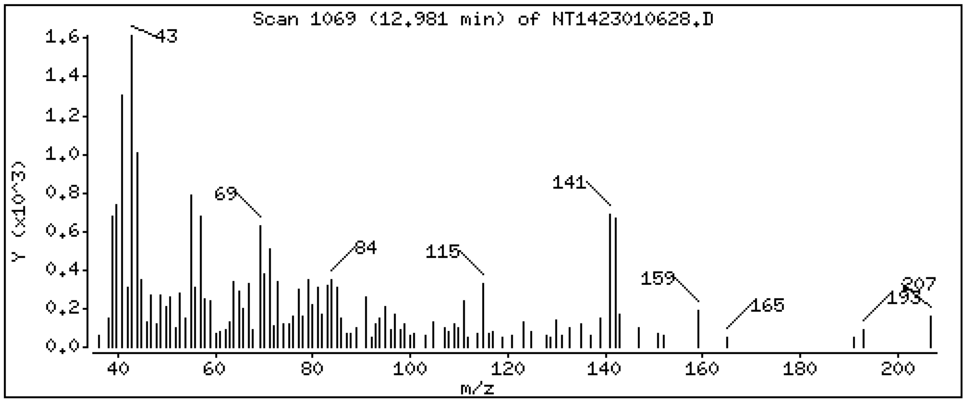
Client ID: Instrument: nt14.i

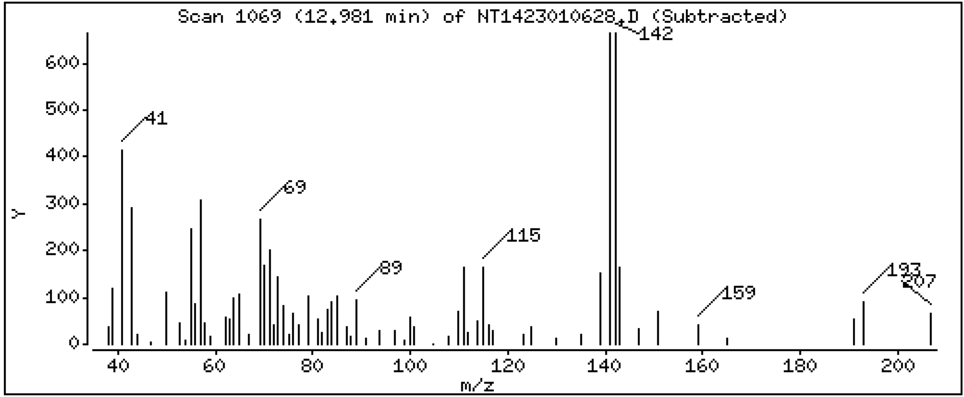
Sample Info: 22L0307-38

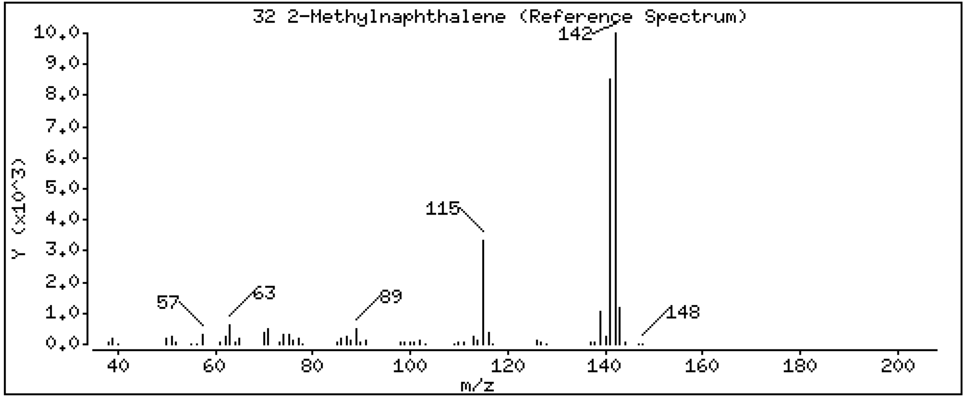
Operator: VTS

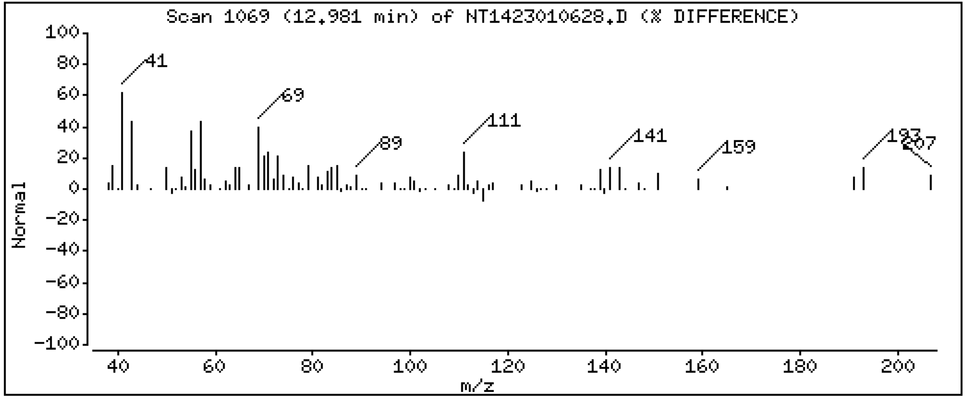
Column phase: ZB-5msi Column diameter: 0.25

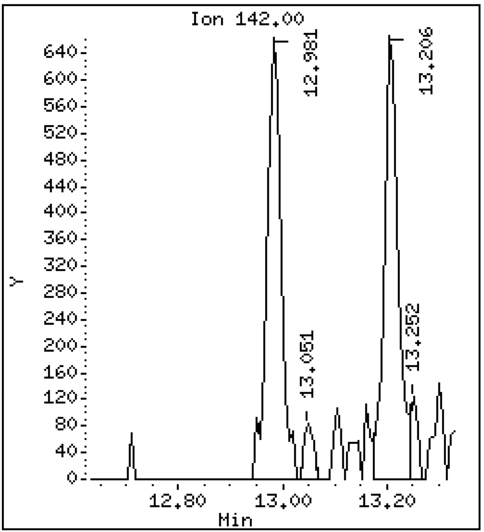
32 2-Methylnaphthalene Concentration: 0.01566 ug/mL

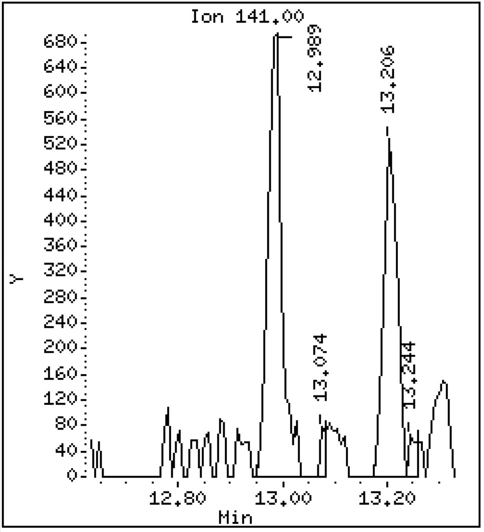












Data File: \\target\share\chem3\nt14.i\20230106.b\NT1423010628.D

Date : 07-JAN-2023 03:51

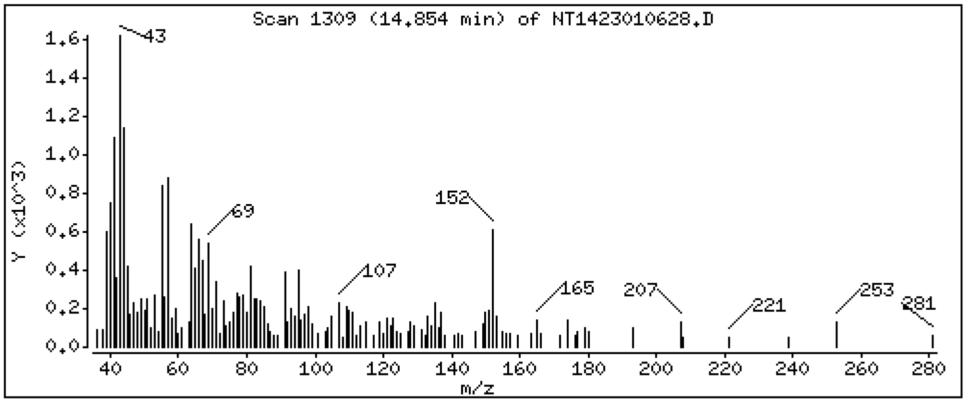
Client ID: Instrument: nt14.i

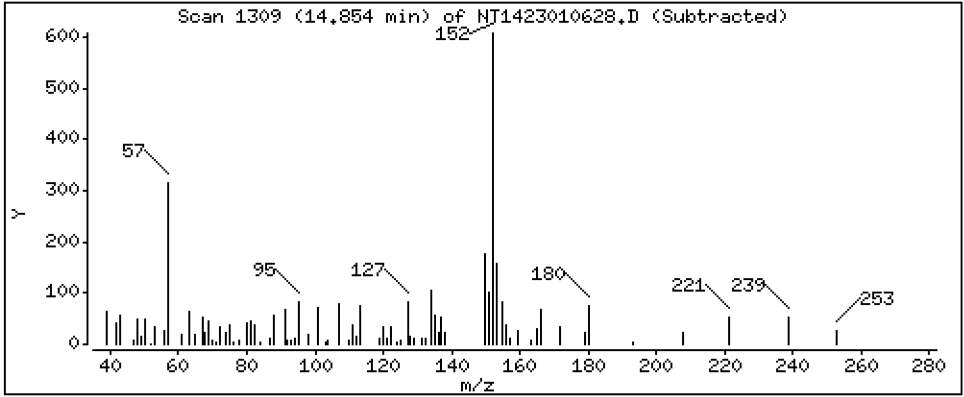
Sample Info: 22L0307-38

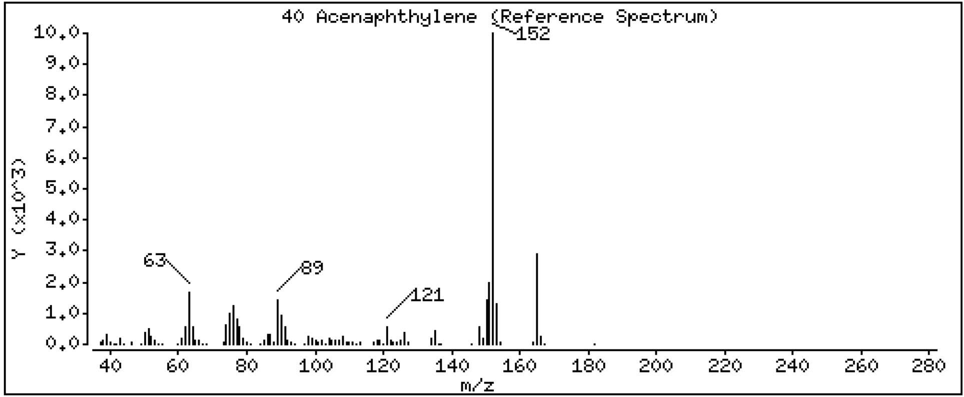
Operator: VTS

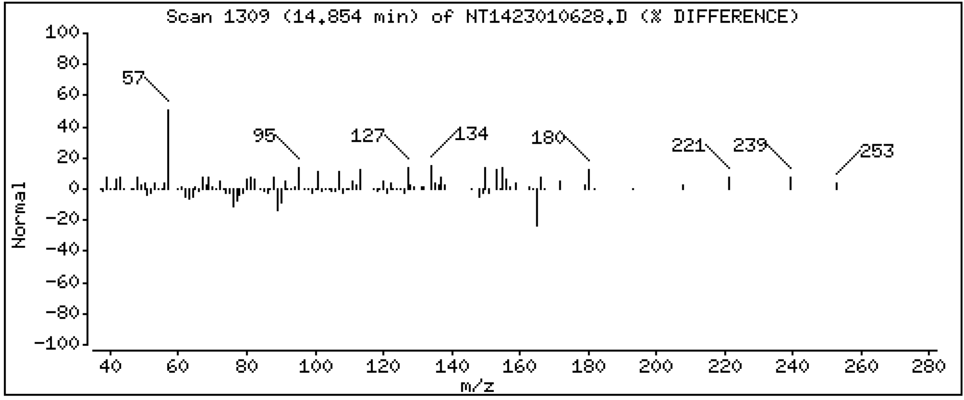
Column phase: ZB-5msi Column diameter: 0.25

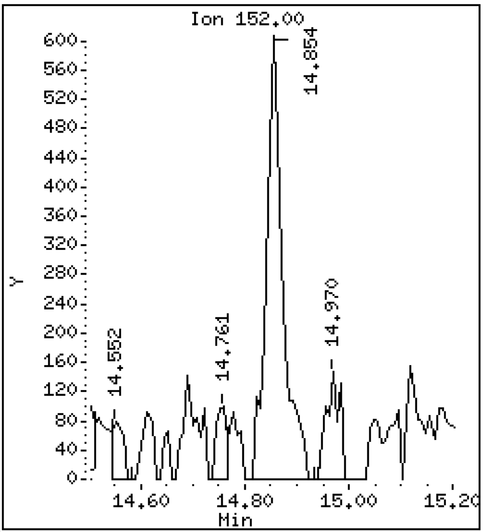
40 Acenaphthylene Concentration: 0.01370 ug/mL

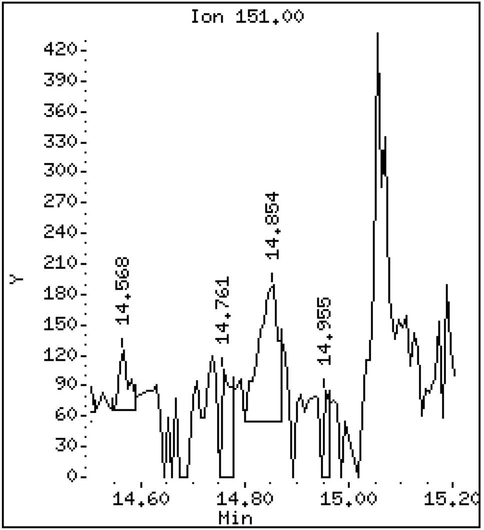


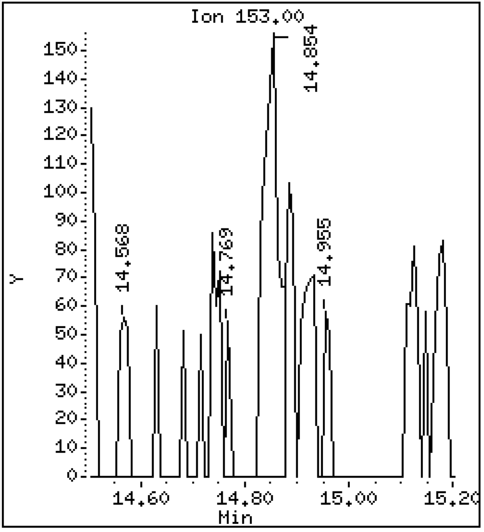












Data File: \\target\share\chem3\nt14.i\20230106.b\NT1423010628.D

Date : 07-JAN-2023 03:51

Client ID:

Instrument: nt14.i

Sample Info: 22L0307-38

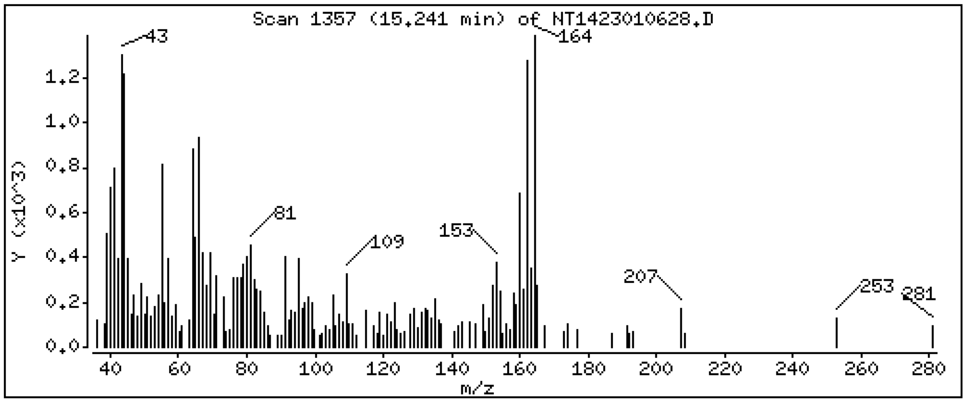
Operator: VTS

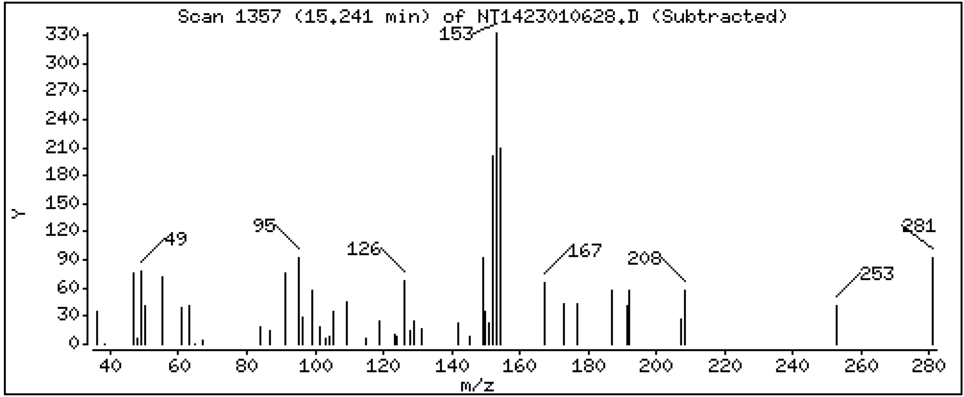
Column phase: ZB-5msi

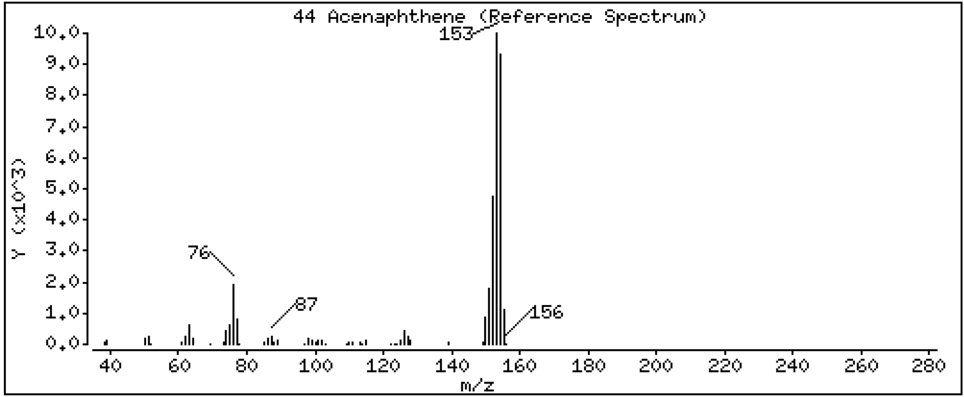
Column diameter: 0.25

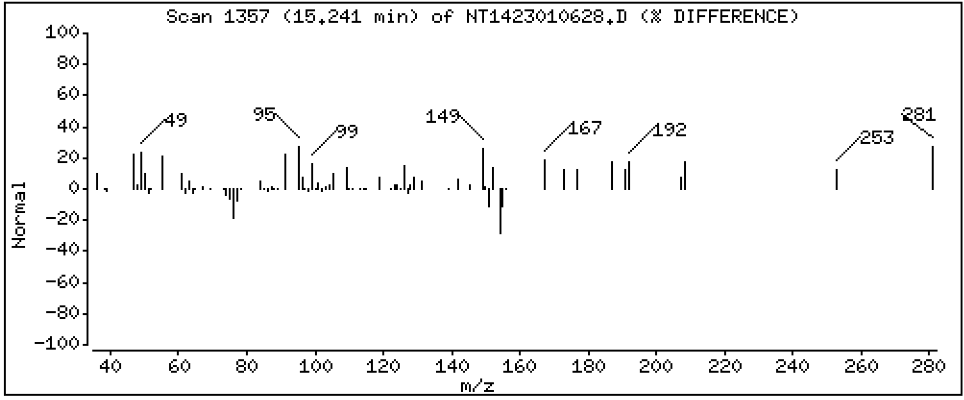
44 Acenaphthene

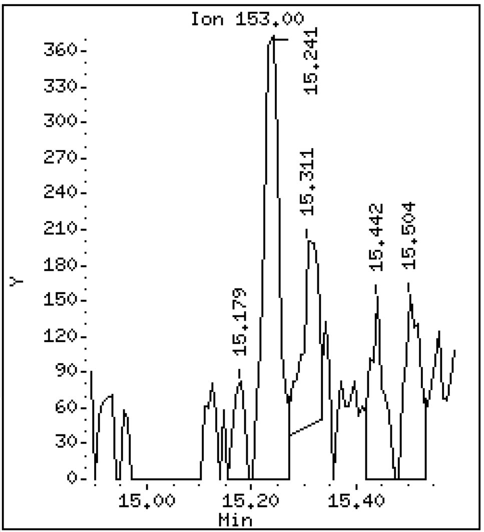
Concentration: 0.01310 ug/mL

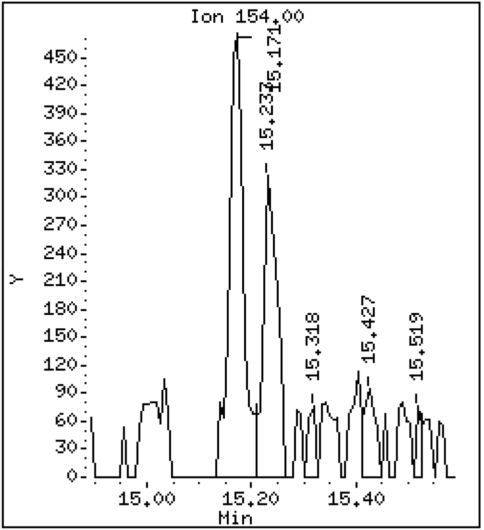


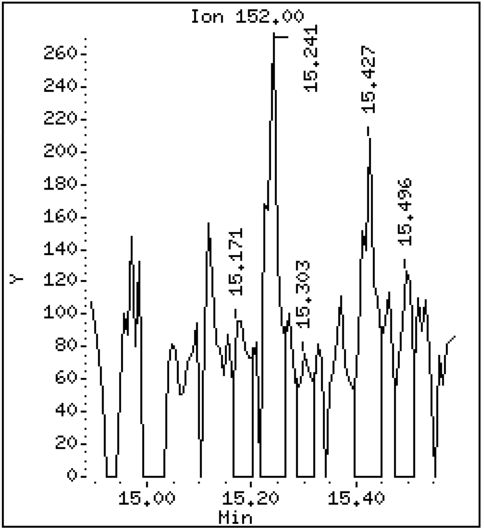












Data File: \\target\share\chem3\nt14.i\20230106.b\NT1423010628.D

Date : 07-JAN-2023 03:51

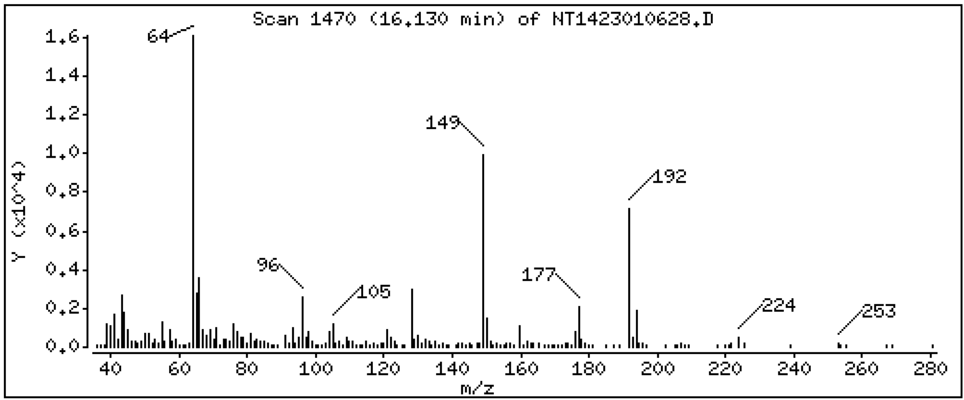
Client ID: Instrument: nt14.i

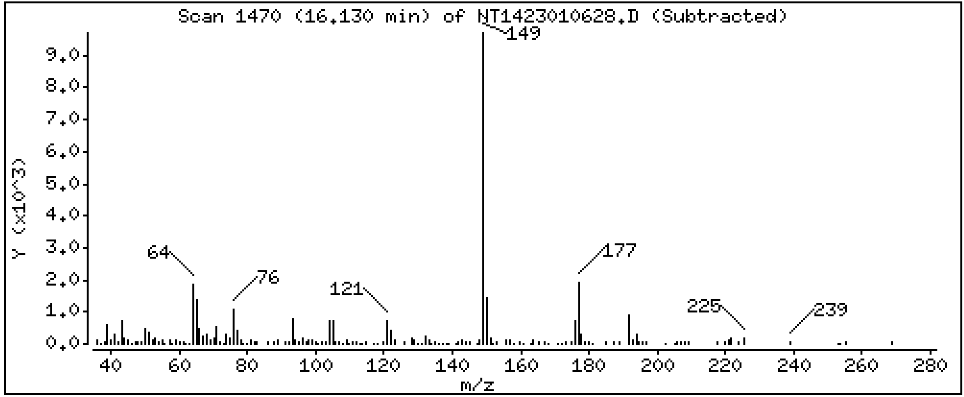
Sample Info: 22L0307-38

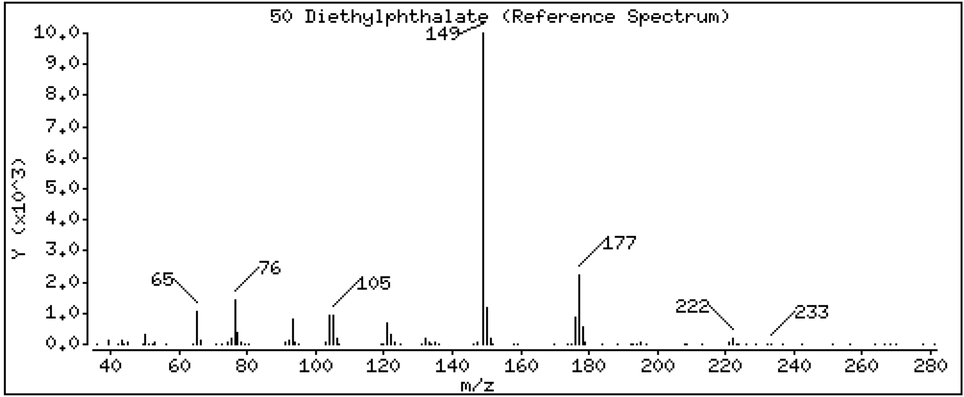
Operator: VTS

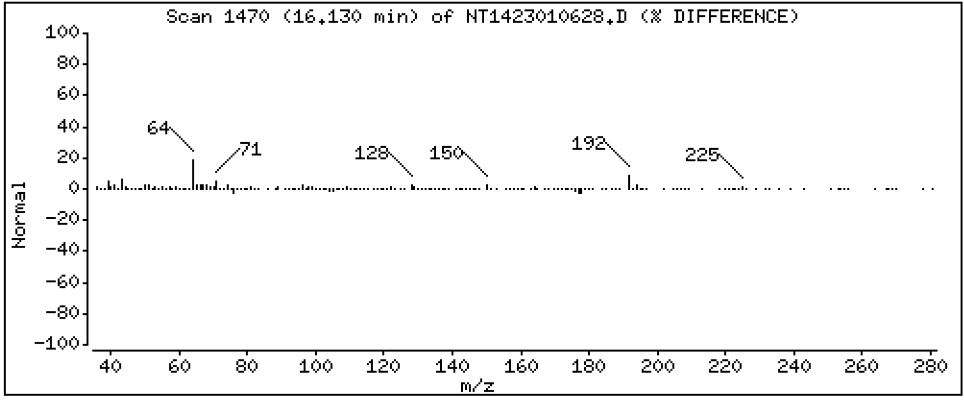
Column phase: ZB-5msi Column diameter: 0.25

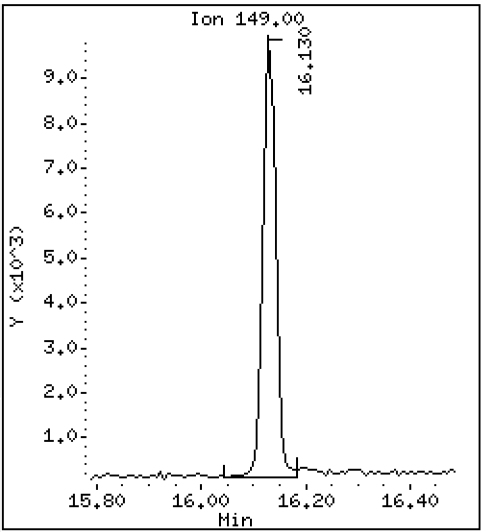
50 Diethylphthalate Concentration: 0.2162 ug/mL

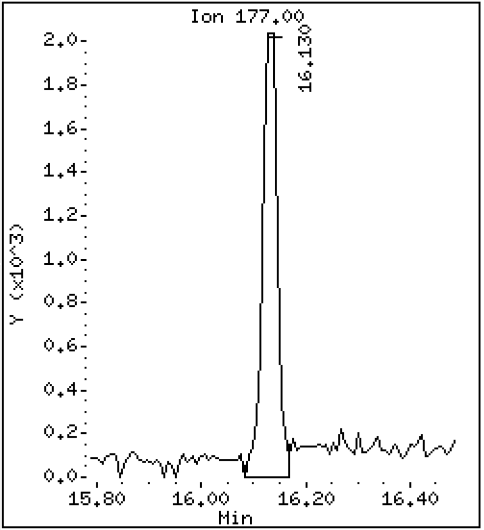

Scan 1470 (16.130 min) of NT1423010628.D


Scan 1470 (16.130 min) of NT1423010628.D (Subtracted)


50 Diethylphthalate (Reference Spectrum)


Scan 1470 (16.130 min) of NT1423010628.D (% DIFFERENCE)


Ion 149.00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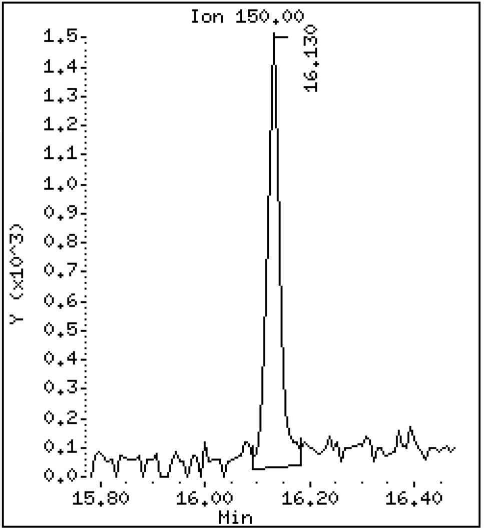
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Data File: \\target\share\chem3\nt14.i\20230106.b\NT1423010628.D

Date : 07-JAN-2023 03:51

Client ID:

Instrument: nt14.i

Sample Info: 22L0307-38

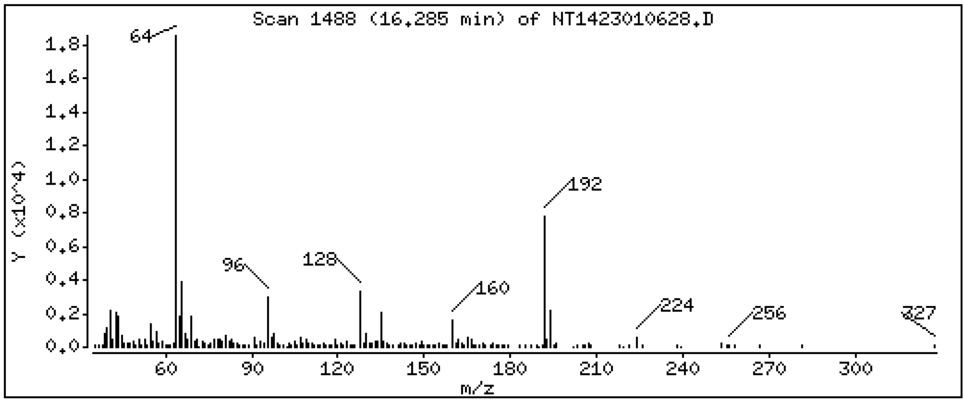
Operator: VTS

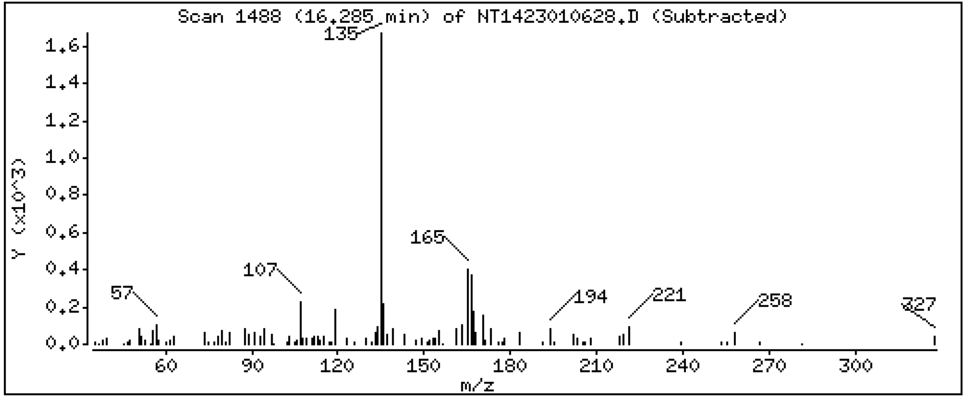
Column phase: ZB-5msi

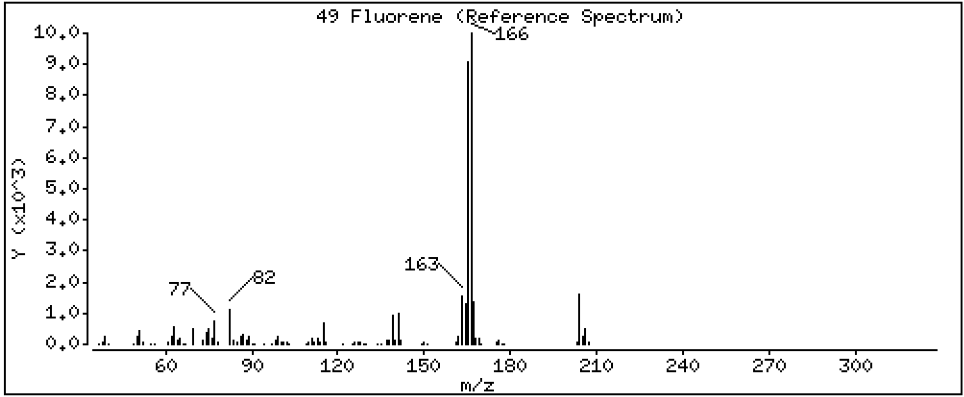
Column diameter: 0.25

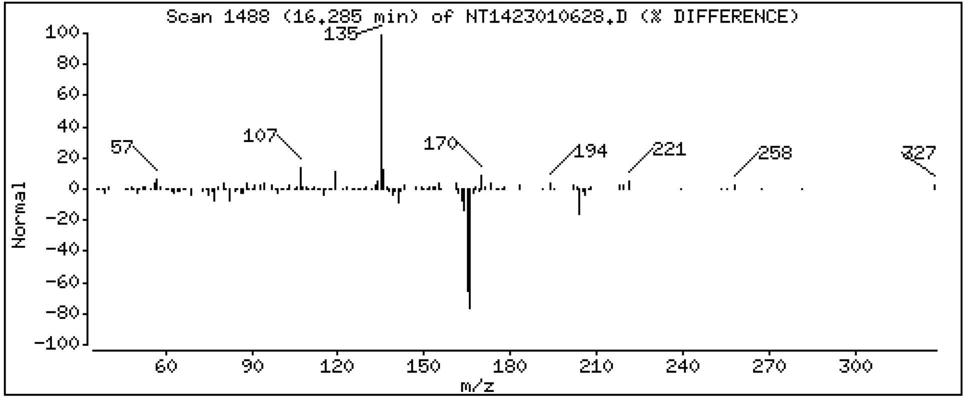
49 Fluorene

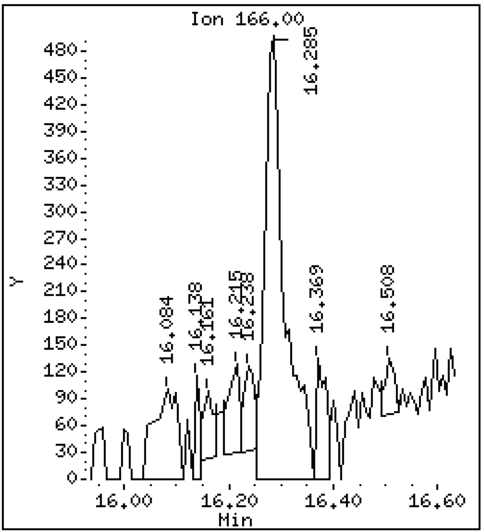
Concentration: 0.01425 ug/mL

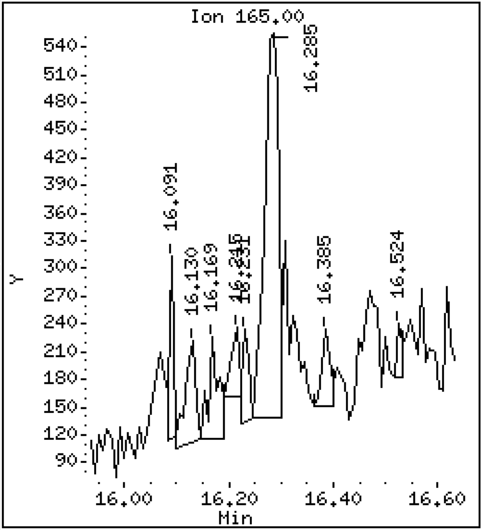


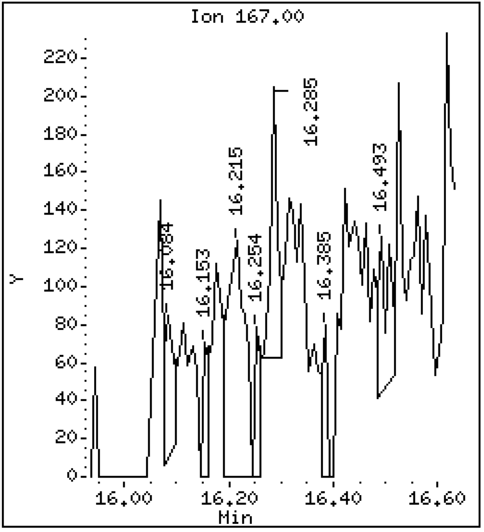












Data File: \\target\share\chem3\nt14.i\20230106.b\NT1423010628.D

Date : 07-JAN-2023 03:51

Client ID:

Instrument: nt14.i

Sample Info: 22L0307-38

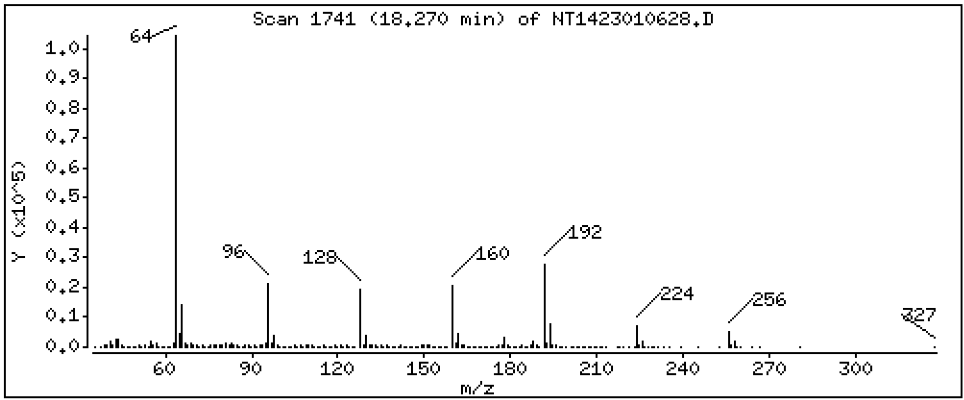
Operator: VTS

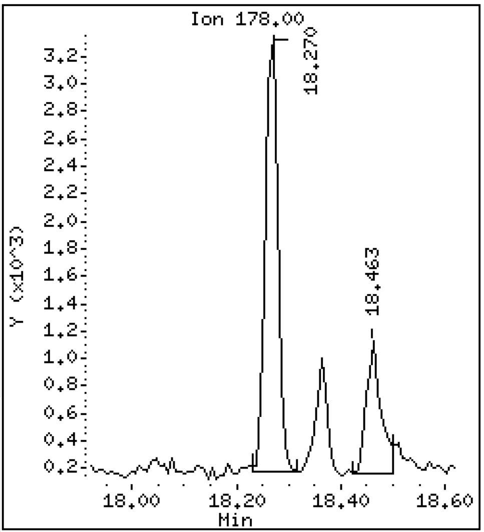
Column phase: ZB-5msi

Column diameter: 0.25

60 Phenanthrene

Concentration: 0.05391 ug/mL


Scan 1741 (18.270 min) of NT1423010628.D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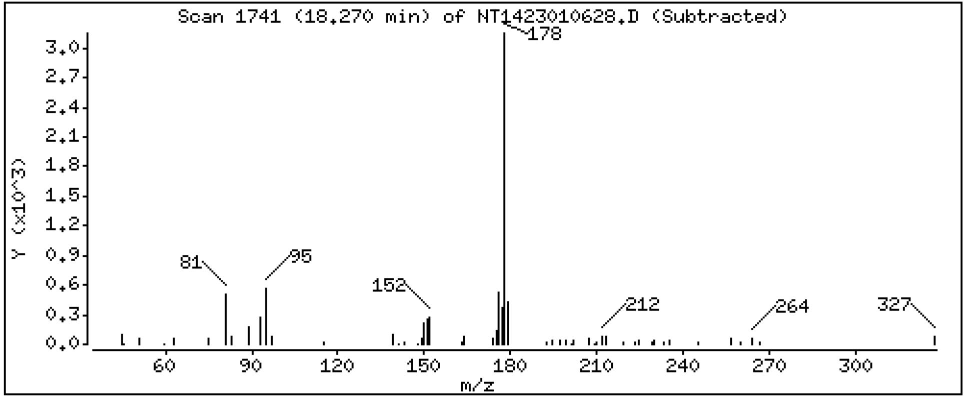
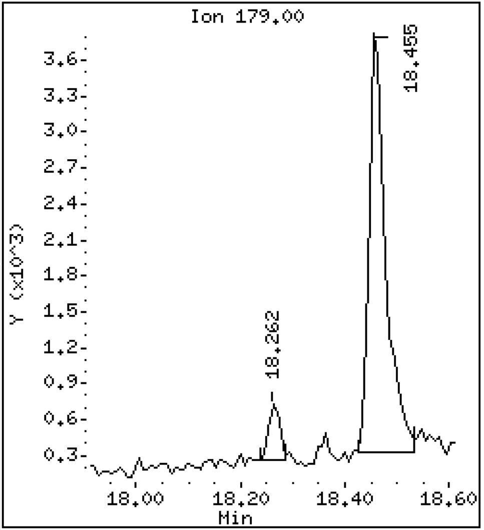
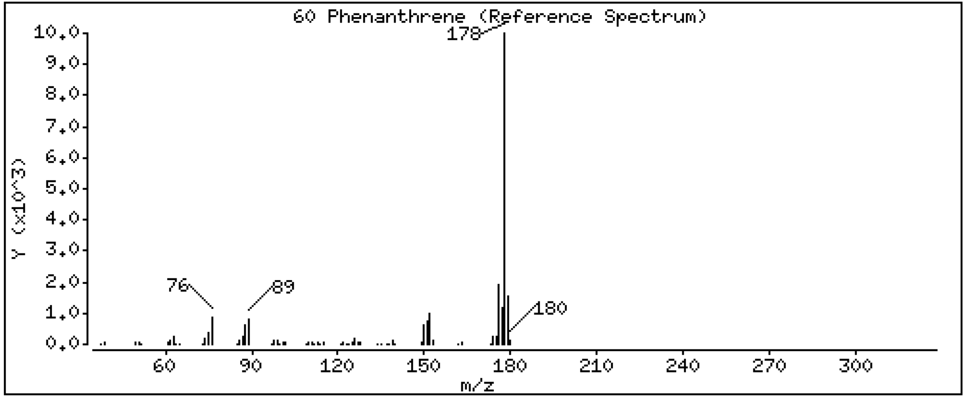
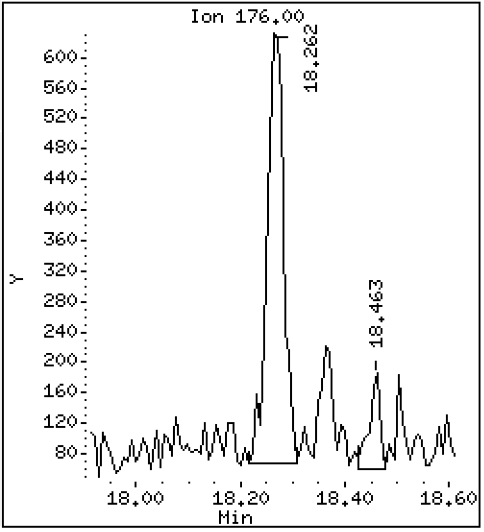
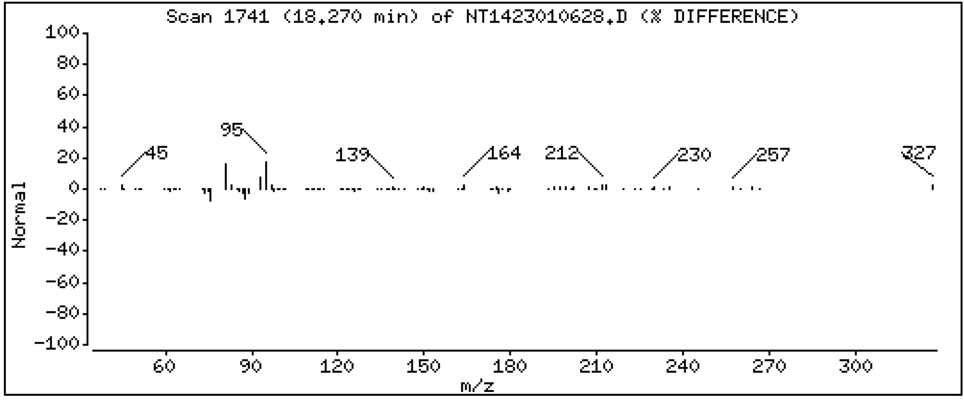

Scan 1741 (18.270 min) of NT1423010628.D (Subtracted)


Ion 179.00


60 Phenanthrene (Reference Spectrum)


Ion 176.00


Scan 1741 (18.270 min) of NT1423010628.D (% DIFFERENCE)

Data File: \\target\share\chem3\nt14.i\20230106.b\NT1423010628.D

Date : 07-JAN-2023 03:51

Client ID:

Instrument: nt14.i

Sample Info: 22L0307-38

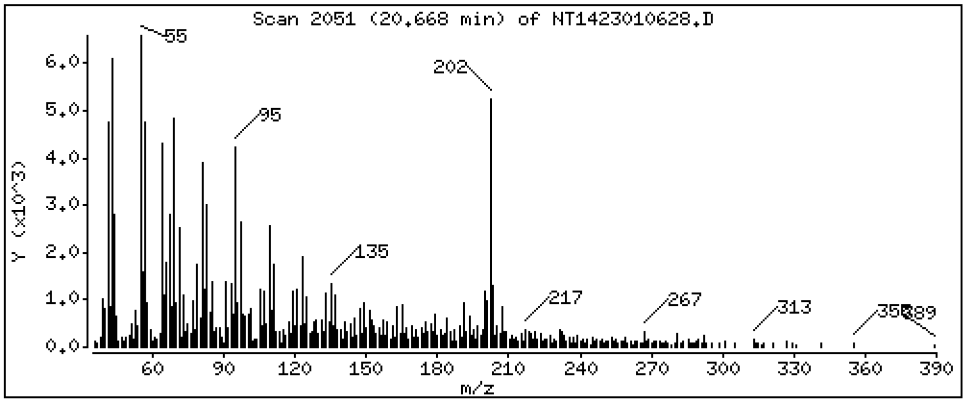
Operator: VTS

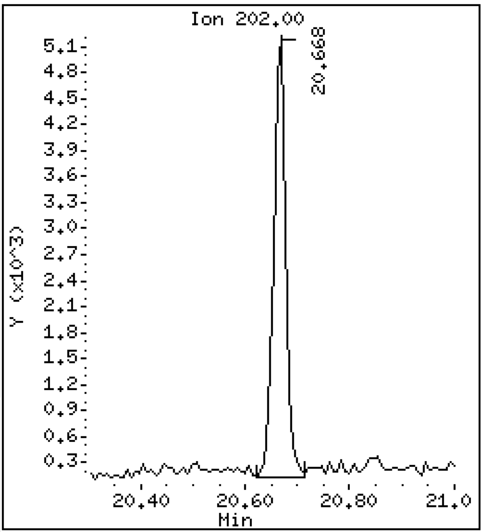
Column phase: ZB-5msi

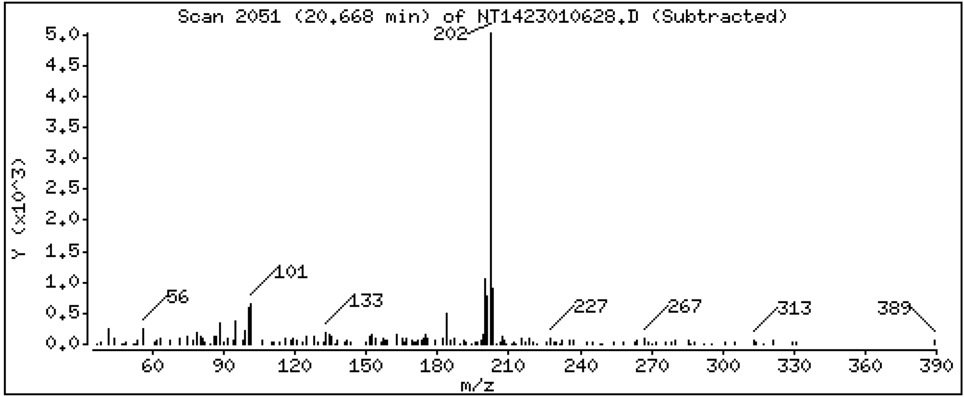
Column diameter: 0.25

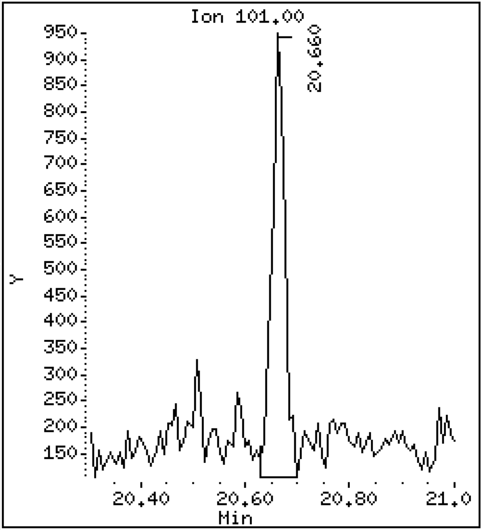
64 Fluoranthene

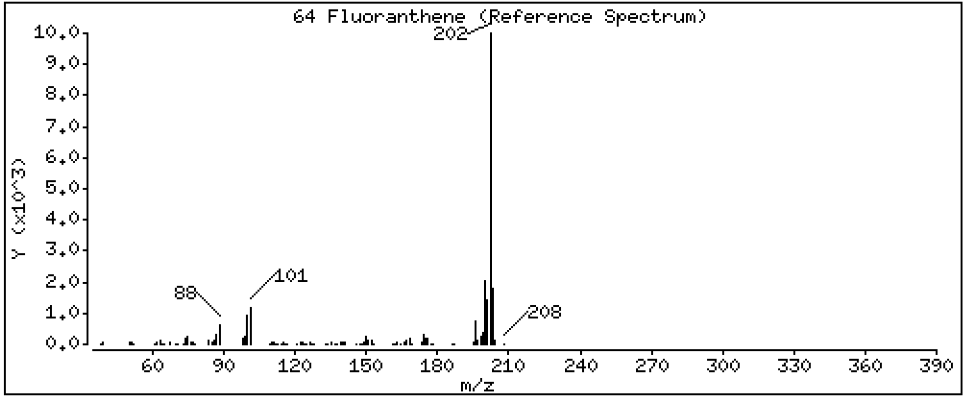
Concentration: 0.09500 ug/mL

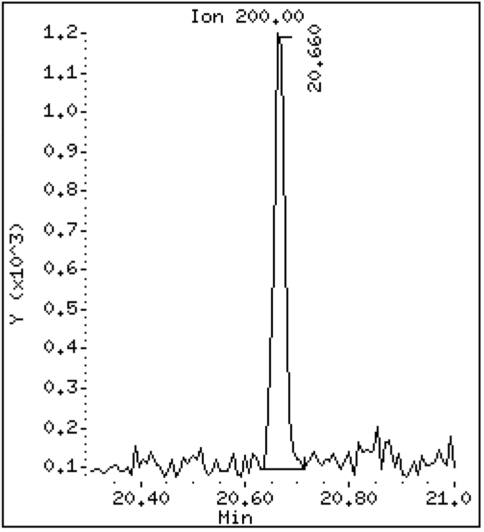


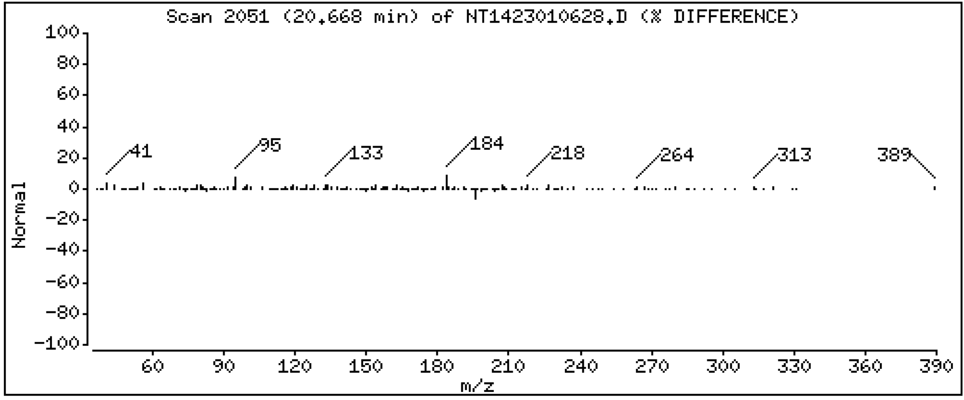












Data File: \\target\share\chem3\nt14.i\20230106.b\NT1423010628.D

Date : 07-JAN-2023 03:51

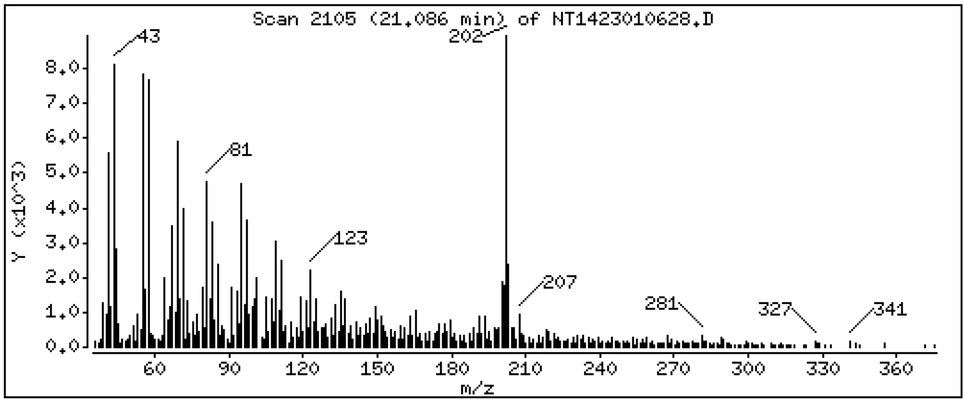
Client ID: Instrument: nt14.i

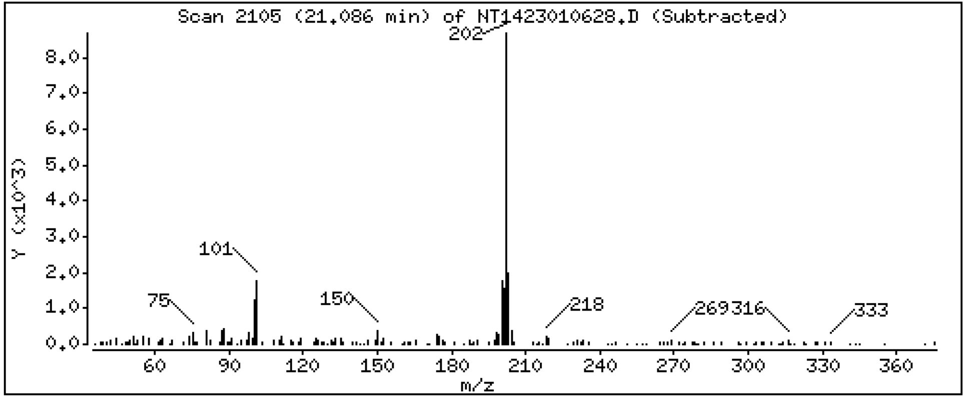
Sample Info: 22L0307-38

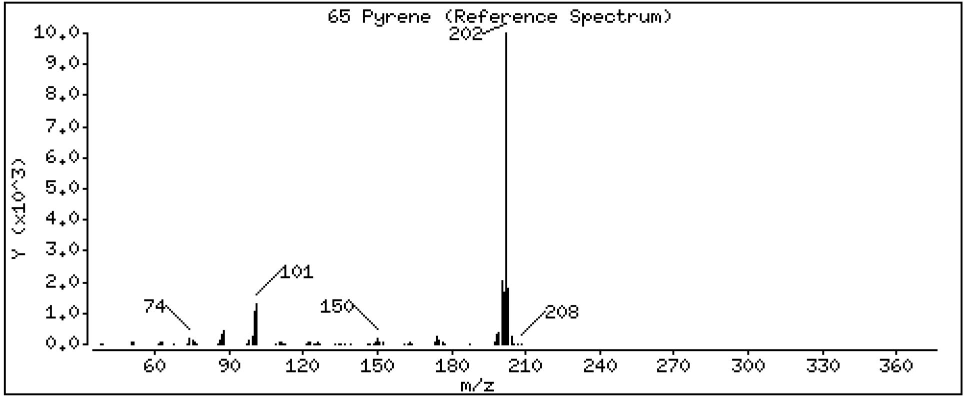
Operator: VTS

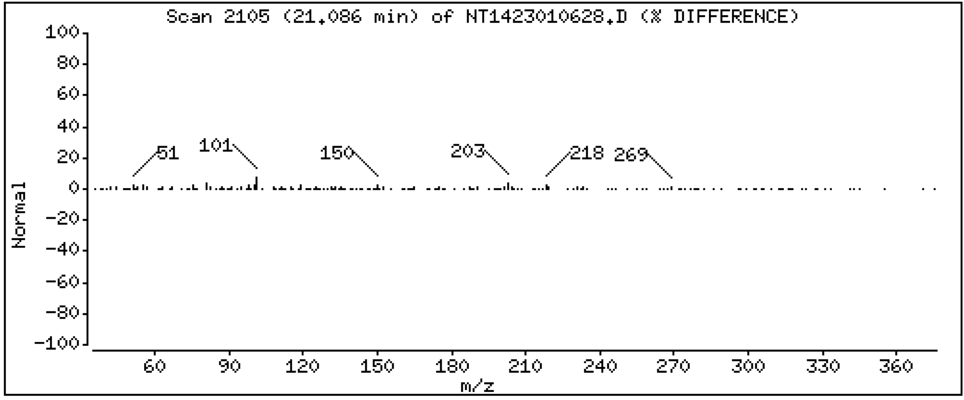
Column phase: ZB-5msi Column diameter: 0.25

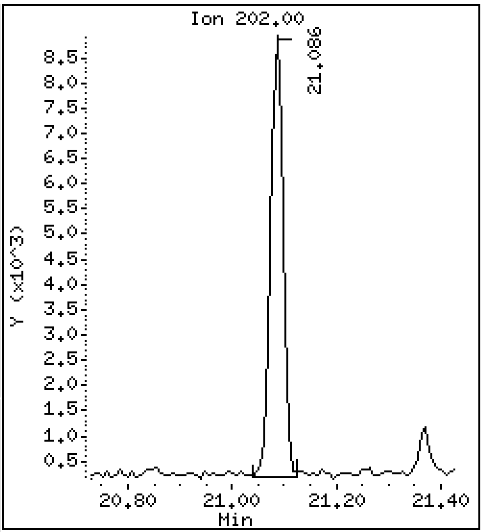
65 Pyrene Concentration: 0.1552 ug/mL


Scan 2105 (21.086 min) of NT1423010628.D


Scan 2105 (21.086 min) of NT1423010628.D (Subtracted)


65 Pyrene (Reference Spectrum)


Scan 2105 (21.086 min) of NT1423010628.D (% DIFFERENCE)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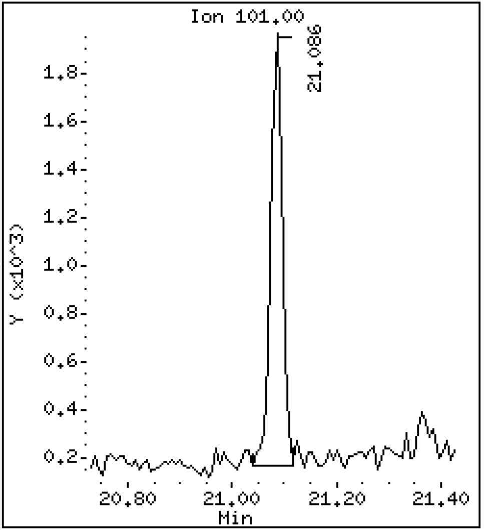
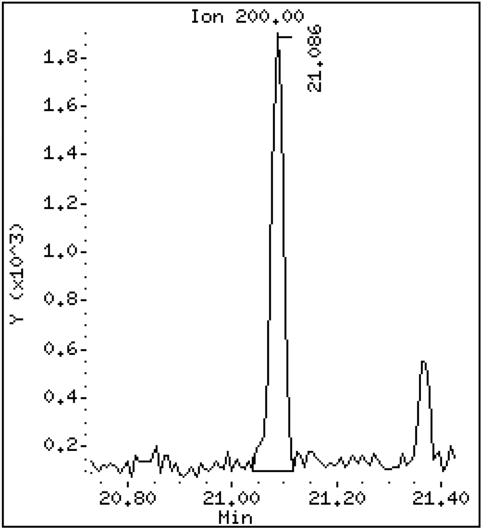

Ion 101.00


Ion 200.00

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Date : 07-JAN-2023 03:51

Client ID:

Instrument: nt14.i

Sample Info: 22L0307-38

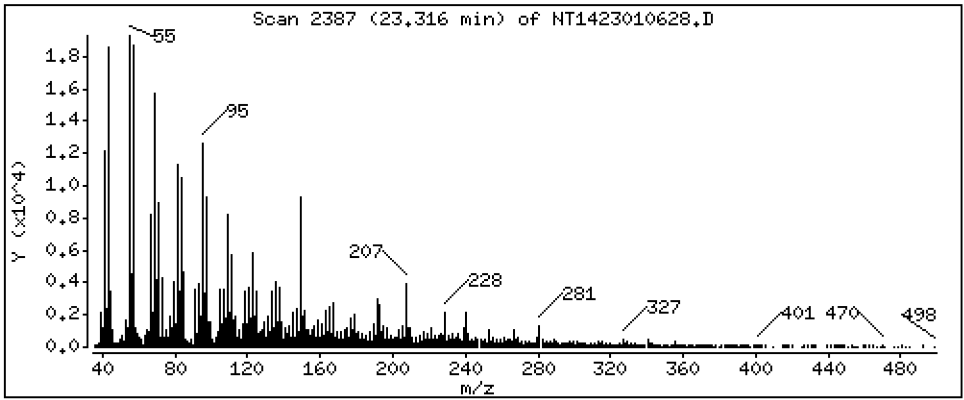
Operator: VTS

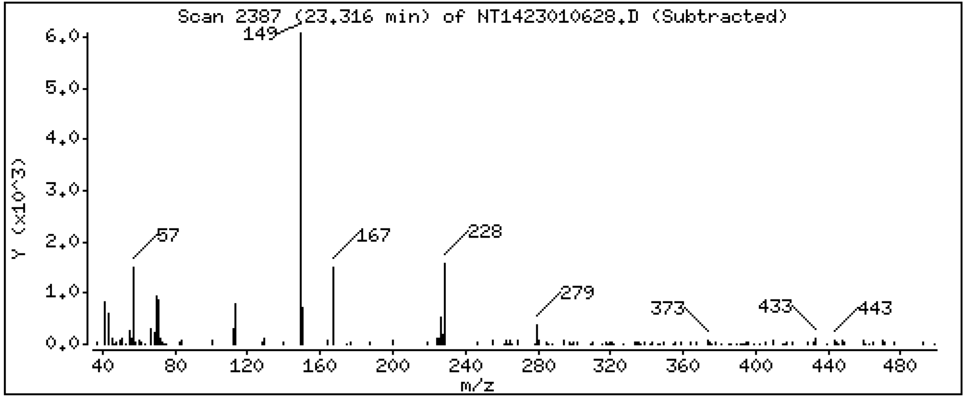
Column phase: ZB-5msi

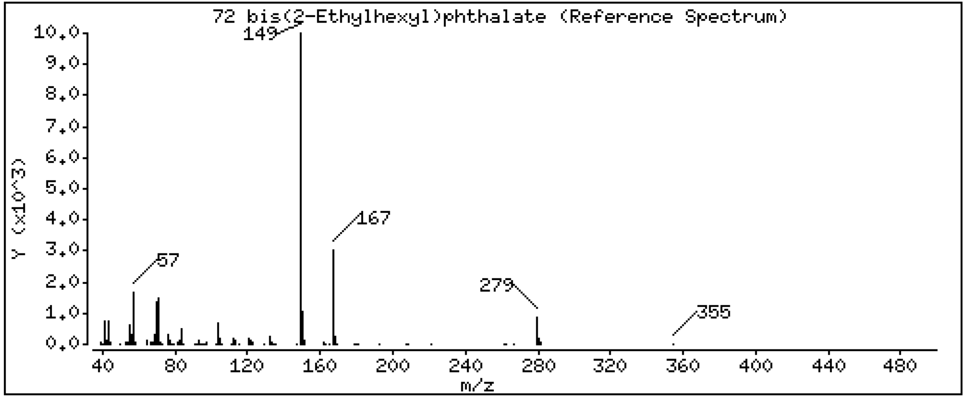
Column diameter: 0.25

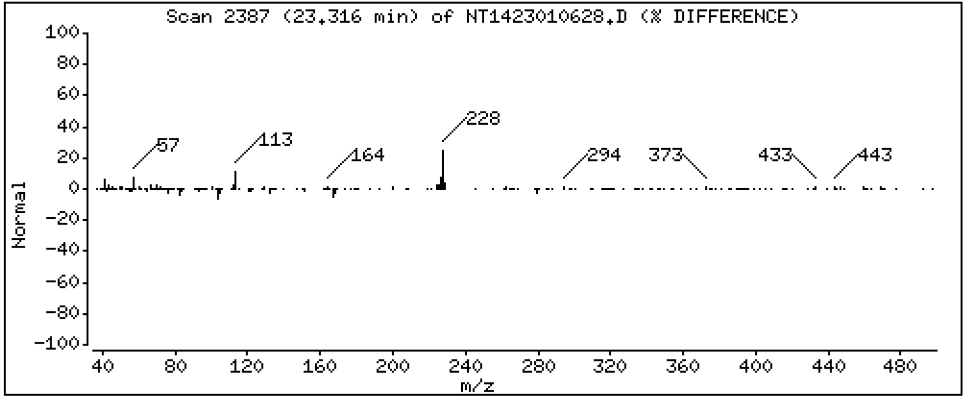
72 bis(2-Ethylhexyl)phthalate

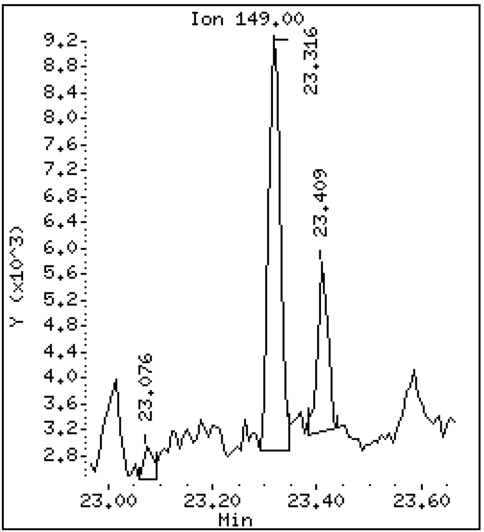
Concentration: 0.1513 ug/mL

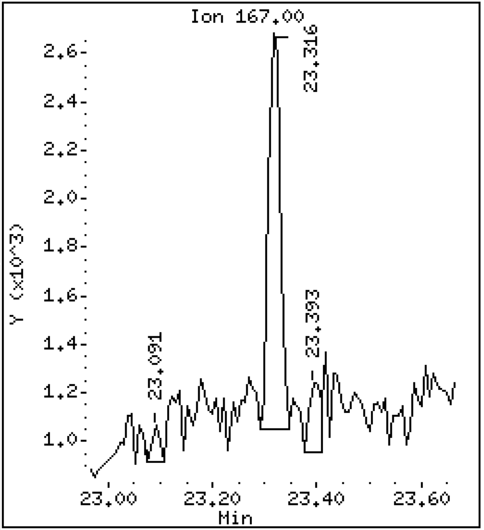


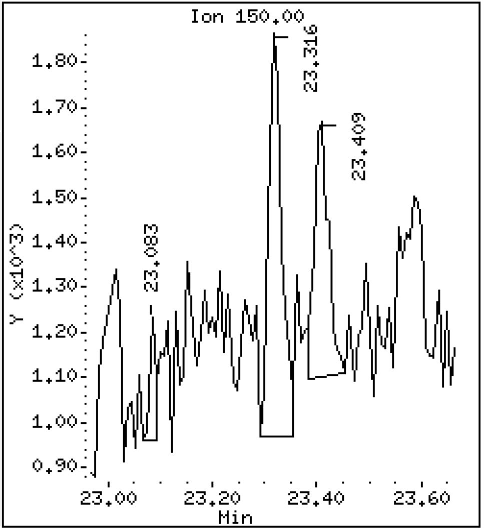












Data File: \\target\share\chem3\nt14.i\20230106.b\NT1423010628.D

Date : 07-JAN-2023 03:51

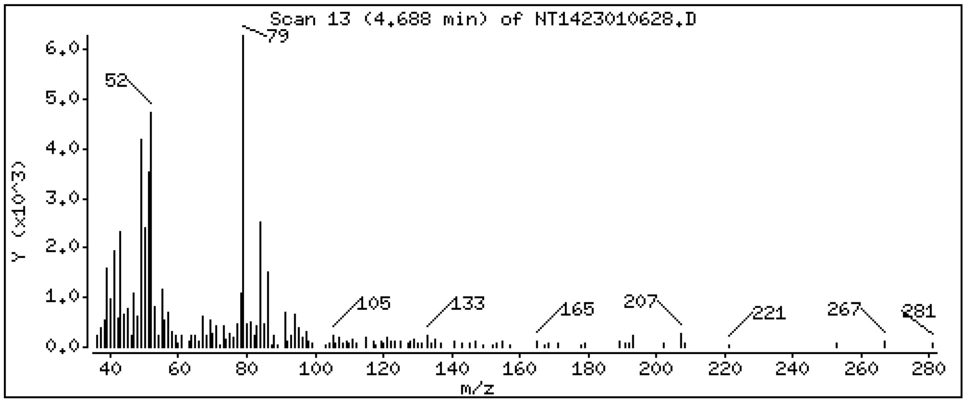
Client ID: Instrument: nt14.i

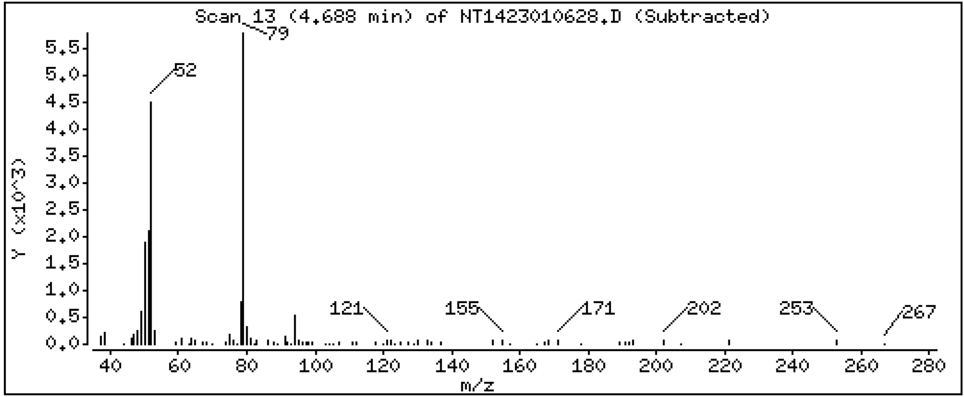
Sample Info: 22L0307-38

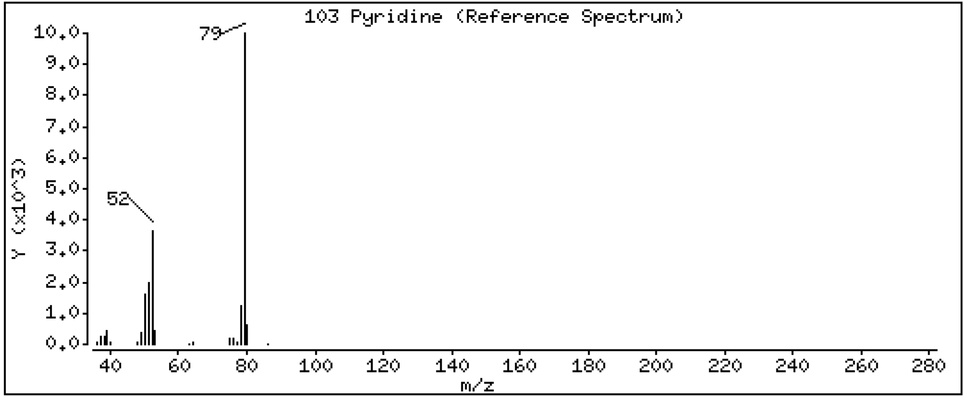
Operator: VTS

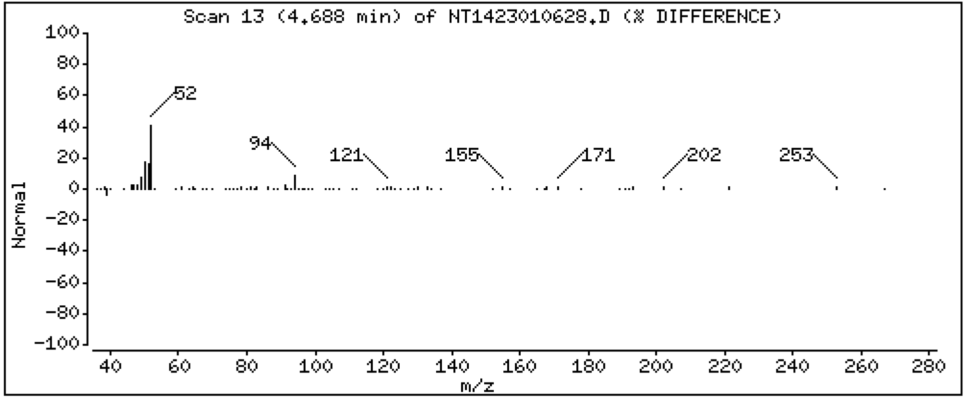
Column phase: ZB-5msi Column diameter: 0.25

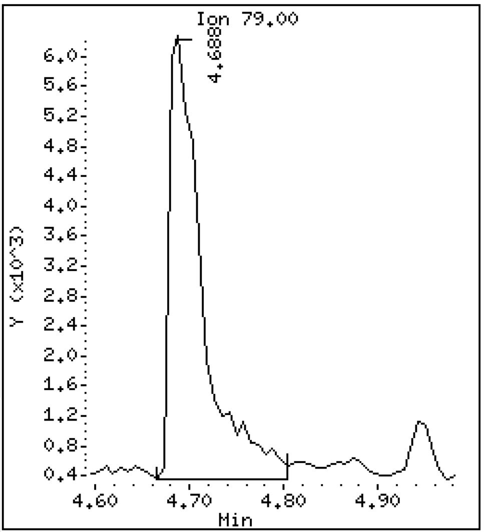
103 Pyridine Concentration: 0.1818 ug/mL


Scan 13 (4.688 min) of NT1423010628.D


Scan 13 (4.688 min) of NT1423010628.D (Subtracted)


103 Pyridine (Reference Spectrum)


Scan 13 (4.688 min) of NT1423010628.D (% DIFFERENCE)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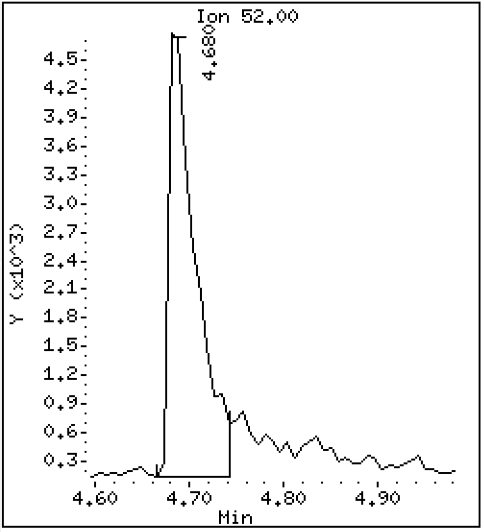
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Date : 07-JAN-2023 03:51

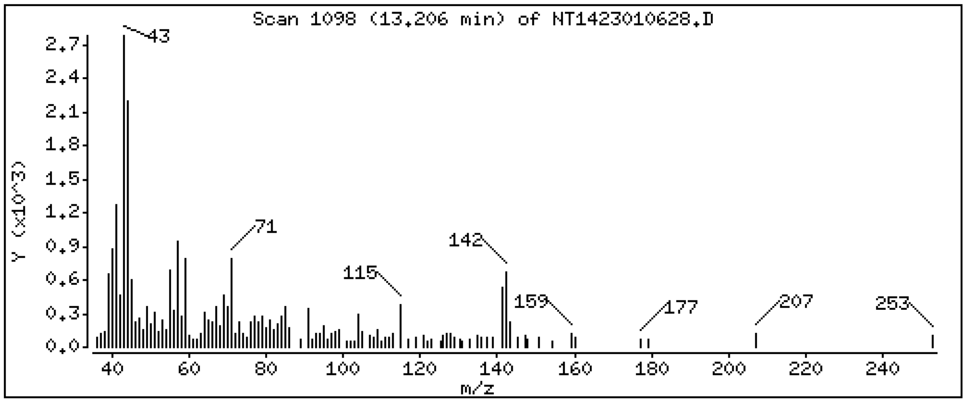
Client ID: Instrument: nt14.i

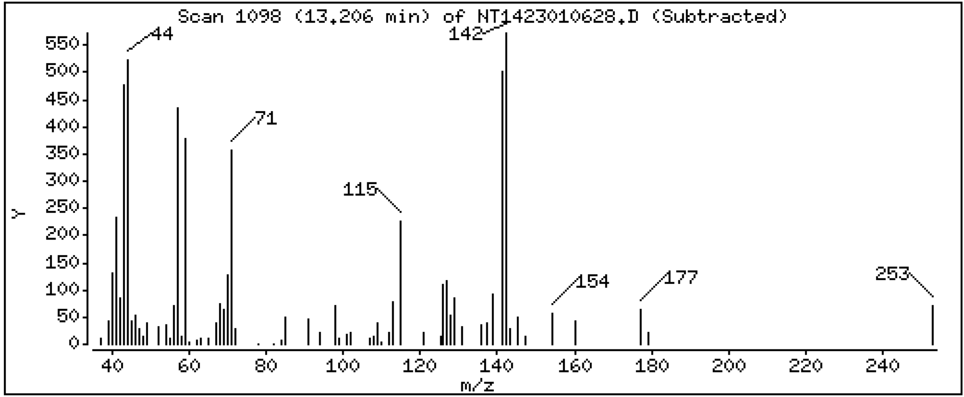
Sample Info: 22L0307-38

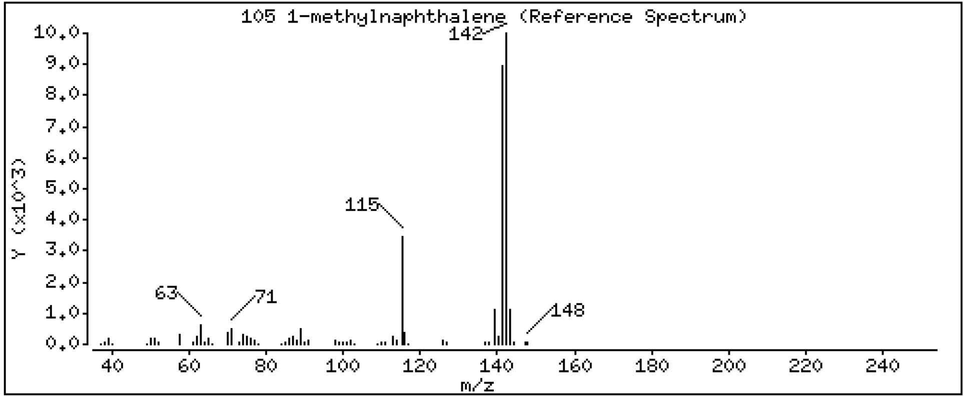
Operator: VTS

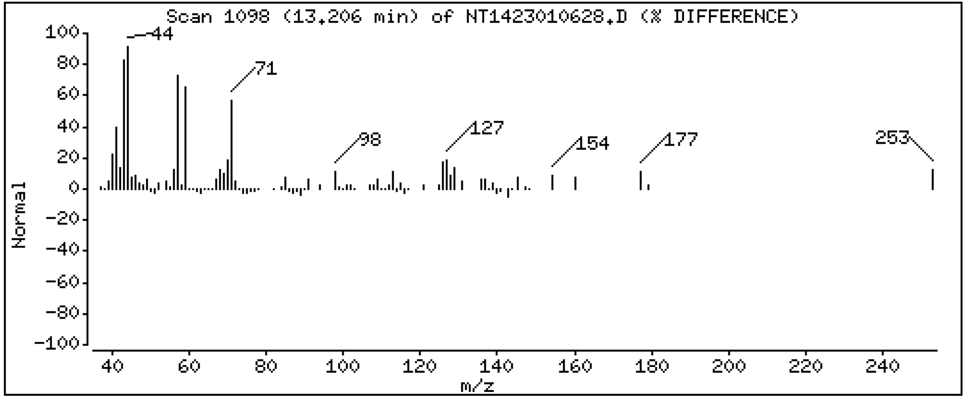
Column phase: ZB-5msi Column diameter: 0.25

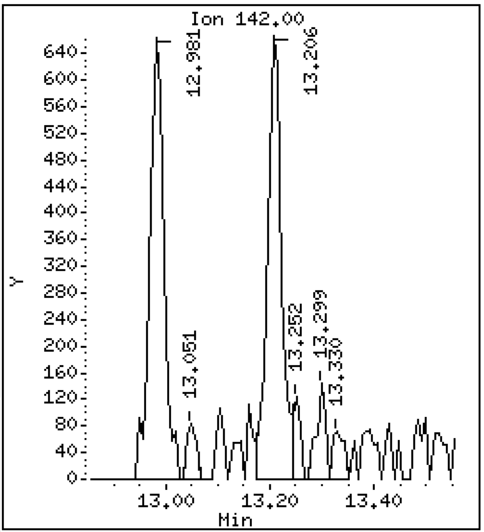
105 1-methylnaphthalene Concentration: 0.01654 ug/mL

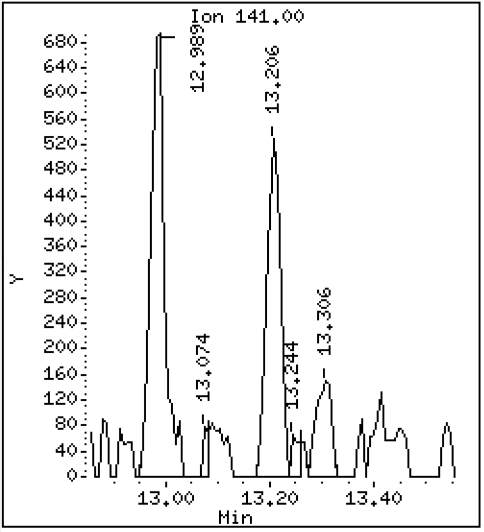












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Data File: \\target\share\chem3\nt14.i\20230106.b\NT1423010628.D Page 1
Report Date: 12-Jan-2023 08:15


                                  ARI Labs, Inc.

                       Semivolatile Report SW846 Method 8270D
Data file : \\target\share\chem3\nt14.i\20230106.b\NT1423010628.D
Lab Smp Id: 22L0307-38
Inj Date  : 07-JAN-2023 03:51           MS Autotune Date: 17-MAY-2011 01:22
Operator  : VTS                         Inst ID: nt14.i
Smp Info  : 22L0307-38
Misc Info :
Comment   : 1ul Injection
Method    : \\target\share\chem3\nt14.i\20230106.b\ABN.m
Meth Date : 12-Jan-2023 08:12 van       Quant Type: ISTD
Cal Date  : 30-DEC-2022 11:07           Cal File: NT1422123007.D
Als bottle: 25
Dil Factor: 1.00000
Integrator: HP RTE                      Compound Sublist: ICAL.sub
Target Version:  4.14
Processing Host: VANS-201906


                                                                                         CONCENTRATIONS
                                     QUANT SIG                                          ON-COLUMN    FINAL
Compounds                              MASS         RT   EXP RT   REL RT  RESPONSE      (ug/mL)     (ug/mL)
==========================             ====        ==== ======== ======== ========      =======     =======
$   1 2-Fluorophenol                    112        6.819   6.811 (0.755)    199246      5.38254       5.383
$   2 Phenol-d5                          99        8.411   8.403 (0.931)    253420      5.53967       5.540
    3 Phenol                             94           Compound Not Detected.
$   5 2-Chlorophenol-d4                 132        8.681   8.673 (0.961)    225425      5.86741       5.867
    4 Bis(2-Chloroethyl)ether            93           Compound Not Detected.
    6 2-Chlorophenol                    128           Compound Not Detected.
    7 1,3-Dichlorobenzene               146           Compound Not Detected.
*   8 1,4-Dichlorobenzene-d4            152        9.037   9.037 (1.000)    115544      4.00000
    9 1,4-Dichlorobenzene               146           Compound Not Detected.
$  10 1,2-Dichlorobenzene-d4            152        9.402   9.401 (1.040)     95870      3.65093       3.651
   12 1,2-Dichlorobenzene               146           Compound Not Detected.
   11 Benzyl alcohol                    108           Compound Not Detected.
   14 2,2'-oxybis(1-Chloropropane)      121           Compound Not Detected.
   13 2-Methylphenol                    108           Compound Not Detected.
   17 Hexachloroethane                  117           Compound Not Detected.
   16 N-Nitroso-di-n-propylamine         70           Compound Not Detected.
   15 4-Methylphenol                    108           Compound Not Detected.
$  18 Nitrobenzene-d5                   82        10.131  10.131 (0.878)    167397      4.66611       4.666(H)
   19 Nitrobenzene                       77           Compound Not Detected.
   20 Isophorone                         82           Compound Not Detected.
   21 2-Nitrophenol                     139           Compound Not Detected.
   22 2,4-Dimethylphenol                107           Compound Not Detected.
   23 Bis(2-Chloroethoxy)methane         93           Compound Not Detected.
   24 Benzoic acid                      105           Compound Not Detected.
   25 2,4-Dichlorophenol                162           Compound Not Detected.
   26 1,2,4-Trichlorobenzene            180           Compound Not Detected.
*  27 Naphthalene-d8                    136       11.542  11.534 (1.000)    424839      4.00000
   28 Naphthalene                       128       11.581  11.581 (1.003)      2896      0.02770     0.02770
   29 4-Chloroaniline                   127           Compound Not Detected.
   30 Hexachlorobutadiene               225           Compound Not Detected.
   31 4-Chloro-3-methylphenol           107           Compound Not Detected.
   32 2-Methylnaphthalene               142       12.981  12.981 (1.125)      1201      0.01566     0.01566
   33 Hexachlorocyclopentadiene         237           Compound Not Detected.
```

```
Data File: \\target\share\chem3\nt14.i\20230106.b\NT1423010628.D Page 2
Report Date: 12-Jan-2023 08:15

                                                                                    CONCENTRATIONS
                                      QUANT SIG                                  ON-COLUMN    FINAL
Compounds                               MASS         RT   EXP RT   REL RT  RESPONSE    (ug/mL)    (ug/mL)
==========================              ====        ==== ======== ======== ========    =======    =======
   34 2,4,6-Trichlorophenol              196           Compound Not Detected.
   35 2,4,5-Trichlorophenol              196           Compound Not Detected.
$  36 2-Fluorobiphenyl                   172        13.770  13.770 (0.908)    307188    4.24968      4.250
   37 2-Chloronaphthalene                162           Compound Not Detected.
   38 2-Nitroaniline                      65           Compound Not Detected.
   39 Dimethylphthalate                  163           Compound Not Detected.
   40 Acenaphthylene                     152        14.854  14.853 (0.979)      1285    0.01370    0.01370
   41 2,6-Dinitrotoluene                 165           Compound Not Detected.
*  42 Acenaphthene-d10                   164        15.171  15.171 (1.000)    214992    4.00000
   43 3-Nitroaniline                     138           Compound Not Detected.
   44 Acenaphthene                       153        15.241  15.240 (1.005)       762    0.01310    0.01310
   45 2,4-Dinitrophenol                  184           Compound Not Detected.
   46 Dibenzofuran                       168           Compound Not Detected.
   47 4-Nitrophenol                      109           Compound Not Detected.
   48 2,4-Dinitrotoluene                 165           Compound Not Detected.
   50 Diethylphthalate                   149        16.130  16.137 (1.063)     17815    0.21617     0.2162
   49 Fluorene                           166        16.284  16.284 (1.073)      1322    0.01425    0.01425
   51 4-Chlorophenyl-phenylether         204           Compound Not Detected.
   52 4-Nitroaniline                     138           Compound Not Detected.
   53 4,6-Dinitro-2-methylphenol         198           Compound Not Detected.
   54 N-Nitrosodiphenylamine             169           Compound Not Detected.
$  55 2,4,6-Tribromophenol               330        16.816  16.816 (1.108)     63143    6.07069      6.071
   56 4-Bromophenyl-phenylether          248           Compound Not Detected.
   57 Hexachlorobenzene                  284           Compound Not Detected.
   58 Pentachlorophenol                  266           Compound Not Detected.
*  59 Phenanthrene-d10                   188        18.223  18.215 (1.000)    356322    4.00000
   60 Phenanthrene                       178        18.269  18.269 (1.003)      5008    0.05391    0.05391
   61 Anthracene                         178           Compound Not Detected.
   62 Carbazole                          167           Compound Not Detected.
   63 Di-n-butylphthalate                149           Compound Not Detected.
   64 Fluoranthene                       202        20.668  20.652 (0.888)      8216    0.09500    0.09500
   65 Pyrene                             202        21.085  21.077 (0.906)     14109    0.15516     0.1552
$  66 Terphenyl-d14                      244        21.372  21.364 (0.918)    305319    4.73526      4.735
   67 Butylbenzylphthalate               149           Compound Not Detected.
   68 Benzo(a)anthracene                 228           Compound Not Detected.
*  69 Chrysene-d12                       240        23.276  23.276 (1.000)    268606    4.00000
   70 3,3'-Dichlorobenzidine             252           Compound Not Detected.
   71 Chrysene                           228           Compound Not Detected.
   72 bis(2-Ethylhexyl)phthalate         149        23.315  23.315 (0.959)      9469    0.15130     0.1513
* 134 Di-n-octylphthalate-d4             153        24.306  24.298 (1.000)    563533    4.00000
   73 Di-n-octylphthalate                149           Compound Not Detected.
   74 Benzo(b)fluoranthene               252           Compound Not Detected.
   75 Benzo(k)fluoranthene               252           Compound Not Detected.
   76 Benzo(a)pyrene                     252           Compound Not Detected.
*  77 Perylene-d12                       264        25.909  25.901 (1.000)    315165    4.00000
   78 Indeno(1,2,3-cd)pyrene             276           Compound Not Detected.
   79 Dibenzo(a,h)anthracene             278           Compound Not Detected.
   80 Benzo(g,h,i)perylene               276           Compound Not Detected.
   90 N-Nitrosodimethylamine              74           Compound Not Detected.
   91 Aniline                             93           Compound Not Detected.
   93 Benzidine                          184           Compound Not Detected.
  103 Pyridine                           79          4.687   4.633 (0.519)     14725    0.18177     0.1818
  105 1-methylnaphthalene                142        13.205  13.205 (1.144)      1219    0.01654    0.01654
  111 Azobenzene (1,2-DP-Hydrazine)       77           Compound Not Detected.
```

```
                                                                                            CONCENTRATIONS
                                      QUANT SIG                                           ON-COLUMN    FINAL
Compounds                               MASS          RT    EXP RT   REL RT  RESPONSE     (ug/mL)    (ug/mL)
==========================              ====         ==== ======== ======== ========     =======    =======
  187 Total Benzofluoranthenes            252          Compound Not Detected.
  120 2,3,4,6-Tetrachlorophenol           232          Compound Not Detected.
```

QC Flag Legend

H - Operator selected an alternate compound hit.

```
Data File: \\target\share\chem3\nt14.i\20230106.b\NT1423010628.D Page 1
Report Date: 12-Jan-2023 08:15

                                  ARI Labs, Inc.

                            INTERNAL STANDARD COMPOUNDS
                                AREA AND RT SUMMARY

Instrument ID: nt14.i                              Calibration Date: 06-JAN-2023
Lab File ID: NT1423010628.D                        Calibration Time: 22:27
Lab Smp Id: 22L0307-38
Analysis Type: SV                                        Level:
Quant Type: ISTD                                   Sample Type:
Operator: VTS
Method File: \\target\share\chem3\nt14.i\20230106.b\ABN.m
Misc Info:

Test Mode:
           Use Last Continuing Calibrator.

                                                AREA LIMIT
  COMPOUND                 STANDARD       LOWER      UPPER         SAMPLE     %DIFF
 ====================== ========== ========== ========== ========== =======
   8 1,4-Dichlorobenze      114022      57011     228044     115544    1.33
  27 Naphthalene-d8         420653     210327     841306     424839    1.00
  42 Acenaphthene-d10       216802     108401     433604     214992   -0.83
  59 Phenanthrene-d10       366121     183061     732242     356322   -2.68
  69 Chrysene-d12           276883     138442     553766     268606   -2.99
 134 Di-n-octylphthala      540641     270321    1081282     563533    4.23
  77 Perylene-d12           308305     154153     616610     315165    2.23


                                                 RT LIMIT
  COMPOUND                 STANDARD       LOWER      UPPER         SAMPLE     %DIFF
 ====================== ========== ========== ========== ========== =======
   8 1,4-Dichlorobenze        9.04       8.54       9.54       9.04    0.00
  27 Naphthalene-d8          11.53      11.03      12.03      11.54    0.07
  42 Acenaphthene-d10        15.17      14.67      15.67      15.17    0.00
  59 Phenanthrene-d10        18.22      17.72      18.72      18.22    0.04
  69 Chrysene-d12            23.28      22.78      23.78      23.28    0.00
 134 Di-n-octylphthala       24.30      23.80      24.80      24.31    0.03
  77 Perylene-d12            25.90      25.40      26.40      25.91    0.03


AREA UPPER LIMIT = +100% of internal standard area.
AREA LOWER LIMIT = - 50% of internal standard area.
RT UPPER LIMIT = + 0.50 minutes of internal standard RT.
RT LOWER LIMIT = - 0.50 minutes of internal standard RT.
```

```
REVIEW SUMMARY FOR FILE - NT1423010628.D

Lab ID: 22L0307-38
nt14.i,  20230106.b\ABN.m,    07-JAN-2023 03:51

     RT      CO-ELUTION COMPOUNDS
-----------------------------------------------------------------------------

            NO CO-ELUTIONS


Quant Method: ICAL



        RRT CHECK

   RRT    CCV RRT   DELTA    COMPOUND
 -------------------------------------

  0.519    0.513    0.0060   Pyridine

  RRT check based on Ccal File: NT1423010619.D


 On Column LOD for nt14.i, 20230106.b\ABN.m, ICAL.sub = 0.0000



 * Only compounds listed in the work order have been verified by the analyst *
```

LDW22-SC804F

Form I
ORGANIC ANALYSIS DATA SHEET
EPA 8270E
Semivolatiles (20ug/kg - 0.2ug/L SepF)

Laboratory: Analytical Resources, LLC

Client: Anchor QEA, LLC

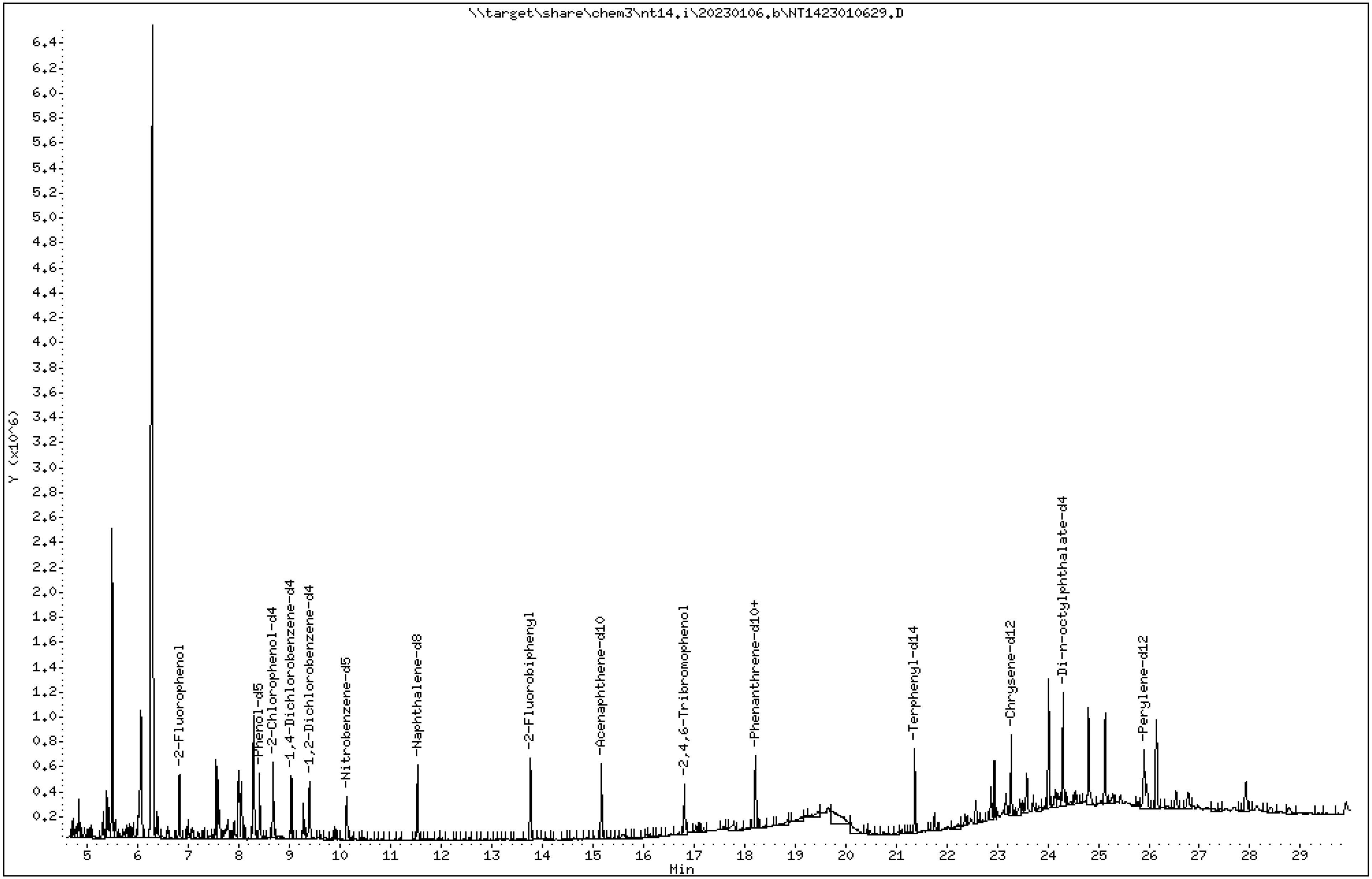
Project: AOC4 UR Phase 3

Matrix:	Sediment	Laboratory ID:	22L0307-39 B	SDG:	22L0307
Sampled:	12/12/22 11:18	Prepared:	12/27/22 11:08	File ID:	NT1423010629.D
% Solids:	73.49	Preparation:	EPA 3546 (Microwave)	Analyzed:	01/07/23 04:27
Batch:	BKL0585	Sequence:	SLA0068	Initial/Final:	13.62 g Wet / 1 mL
Instrument:	NT14	Column:	ZB-5MS	Calibration:	FL00066

CAS NO.	COMPOUND	DILUTION	CONC: (ug/kg dry)	Q	DL	RL
85-68-7	Butylbenzylphthalate	1	20.0	U	9.4	20.0

SURROGATES	ADDED: (ug/kg dry)	FOUND: (ug/kg dry)	% REC	QC LIMITS	Q
p-Terphenyl-d14	499.53	543	109	37 - 120	

Data File: \\target\share\chem3\nt14.i\20230106.b\NT1423010629.D
Date : 07-JAN-2023 04:27
Client ID:
Instrument: nt14.i
Sample Info: 22L0307-39
Operator: VTS
Column phase: ZB-5msi
Column diameter: 0.25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Data File: \\target\share\chem3\nt14.i\20230106.b\NT1423010629.D Page 2

Date : 07-JAN-2023 04:27

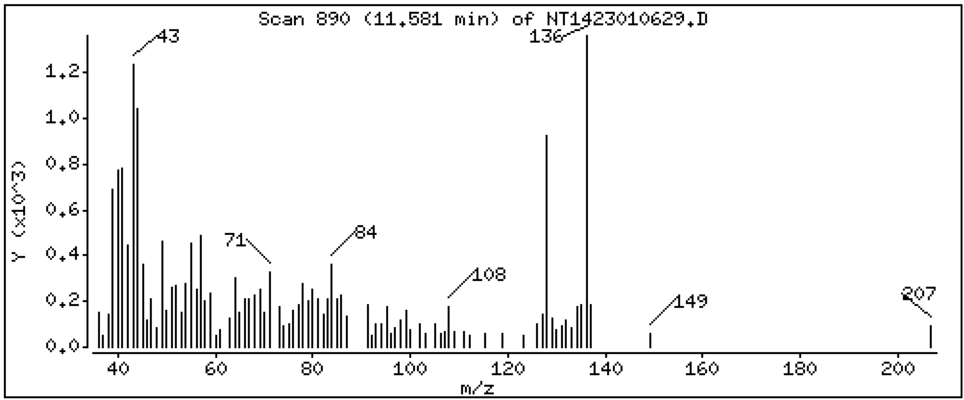
Client ID: Instrument: nt14.i

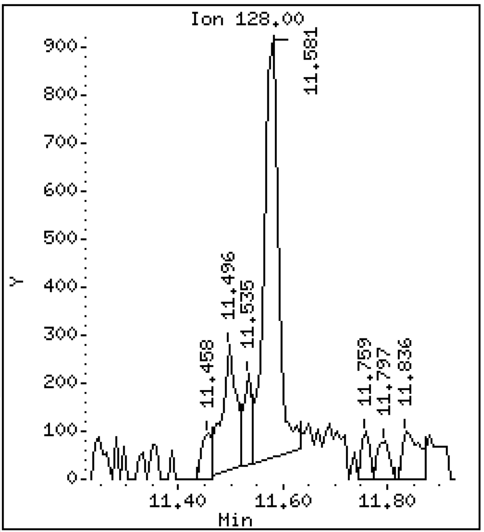
Sample Info: 22L0307-39

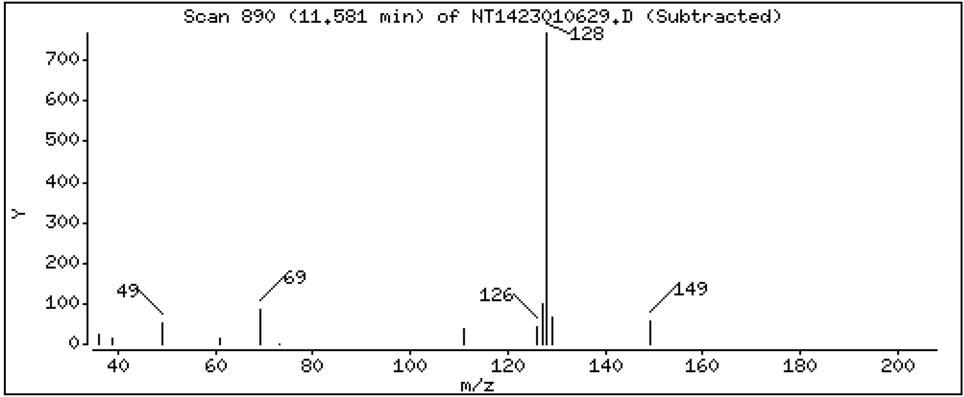
Operator: VTS

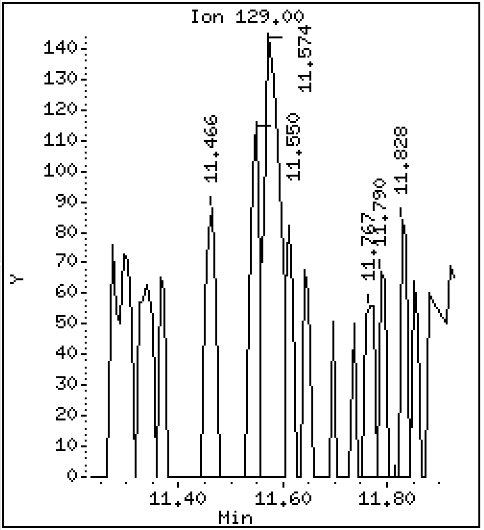
Column phase: ZB-5msi Column diameter: 0.25

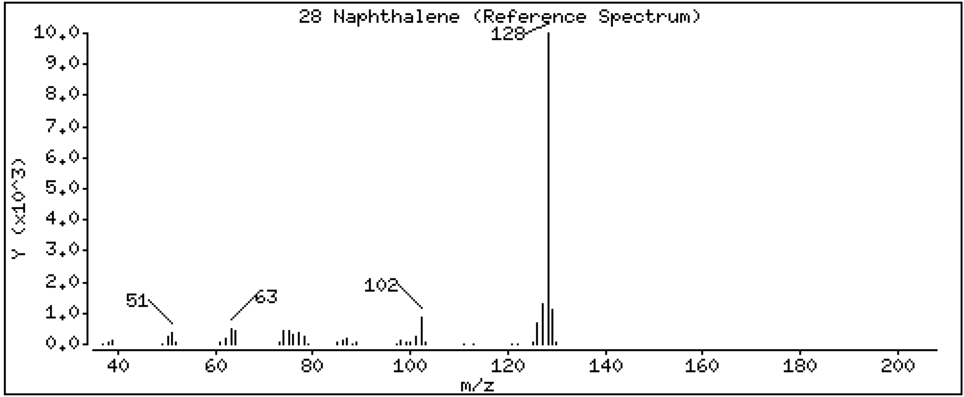
28 Naphthalene Concentration: 0.01455 ug/mL

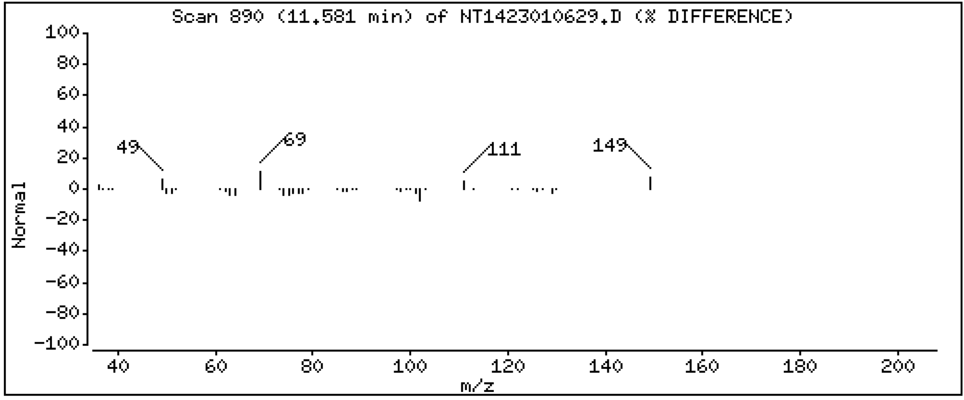


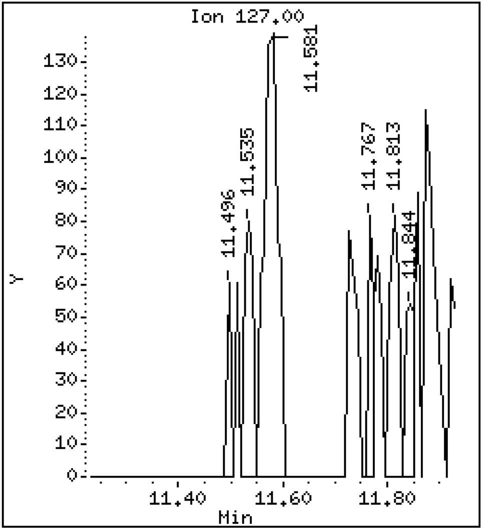












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Date : 07-JAN-2023 04:27

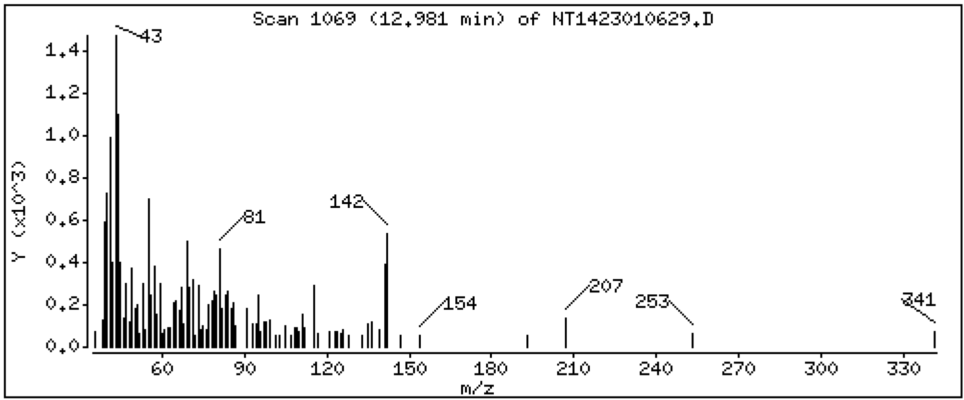
Client ID: Instrument: nt14.i

Sample Info: 22L0307-39

Operator: VTS

Column phase: ZB-5msi Column diameter: 0.25

32 2-Methylnaphthalene Concentration: 0.01048 ug/mL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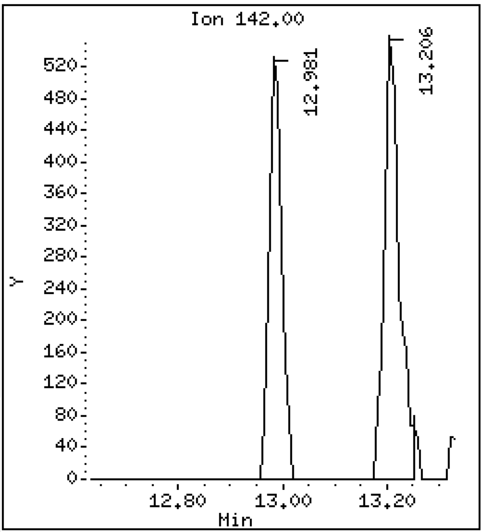
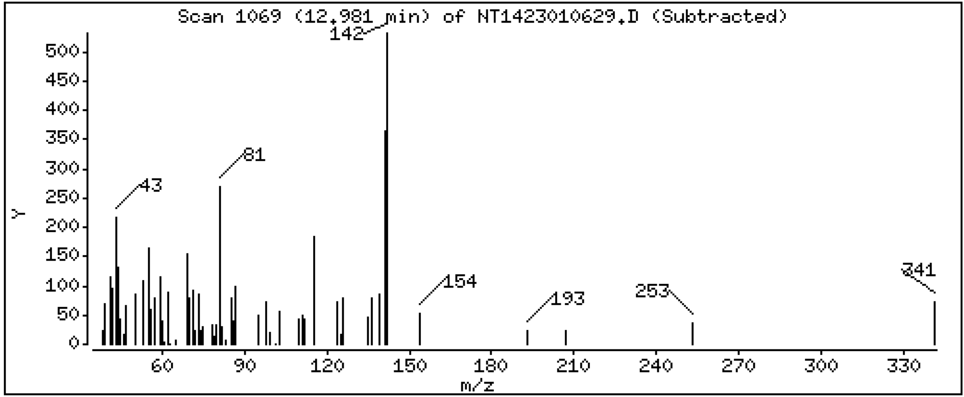

Ion 142.00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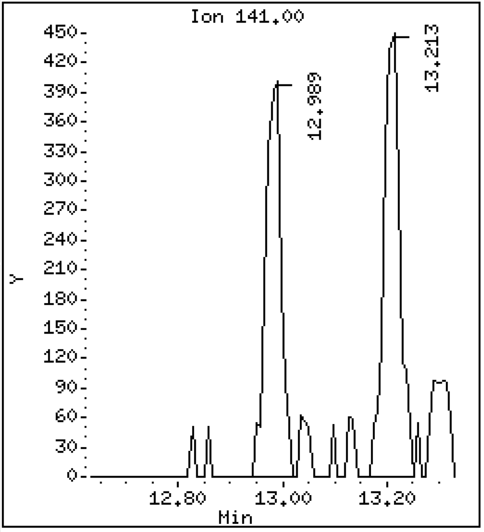
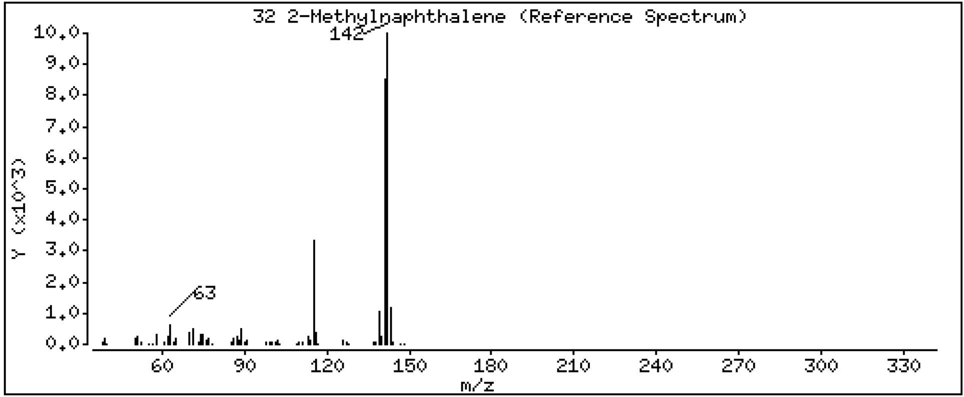
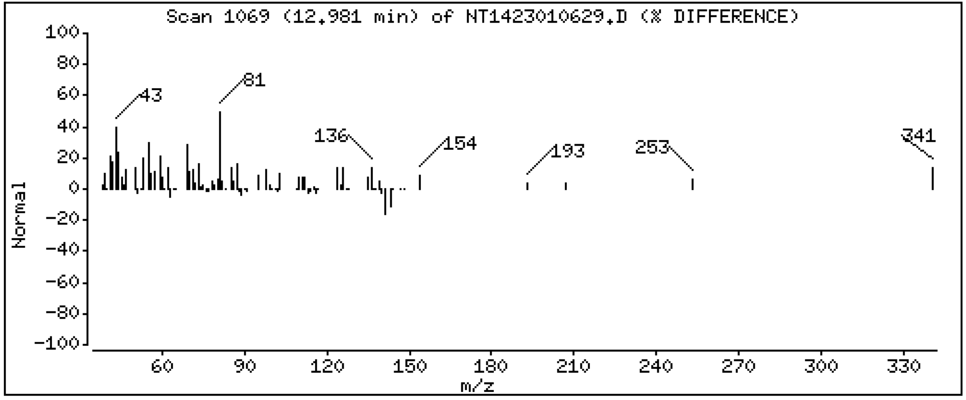

Ion 141.00


32 2-Methylnaphthalene (Reference Spectrum)


Scan 1069 (12.981 min) of NT1423010629.D (% DIFFERENCE)

Data File: \\target\share\chem3\nt14.i\20230106.b\NT1423010629.D

Date : 07-JAN-2023 04:27

Client ID:

Instrument: nt14.i

Sample Info: 22L0307-39

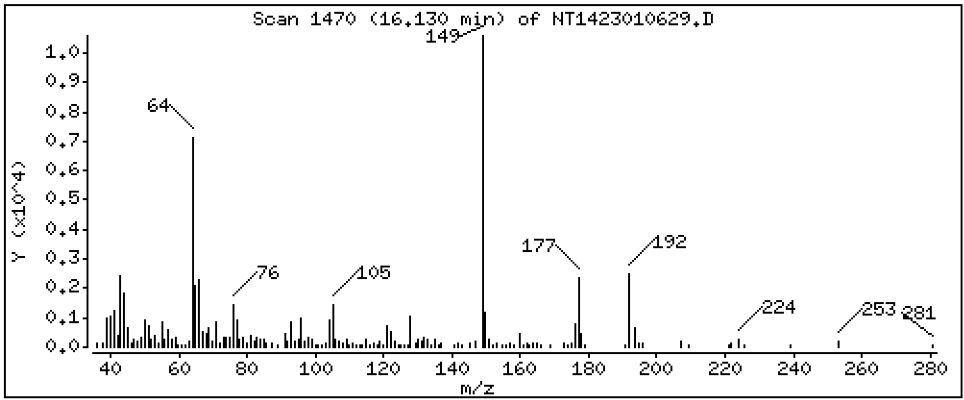
Operator: VTS

Column phase: ZB-5msi

Column diameter: 0.25

50 Diethylphthalate

Concentration: 0.1877 ug/mL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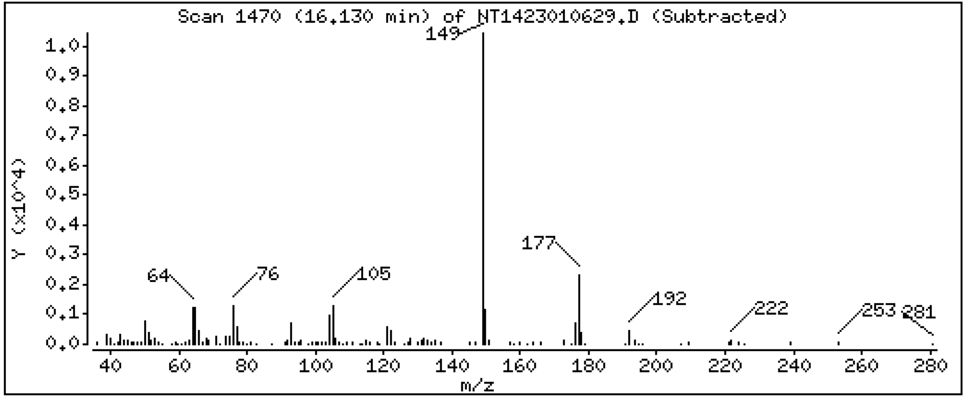
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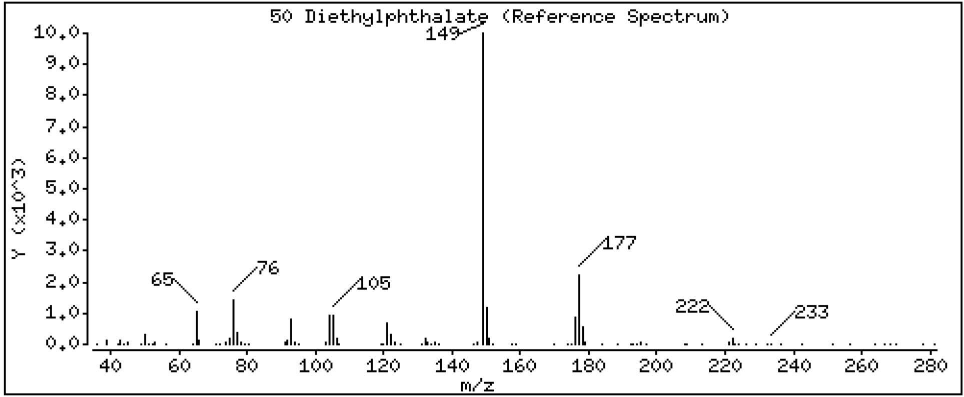
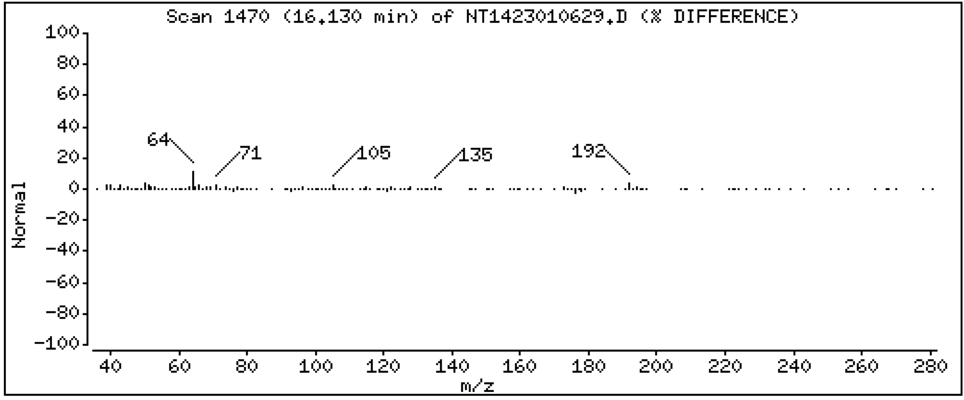

50 Diethylphthalate (Reference Spectrum)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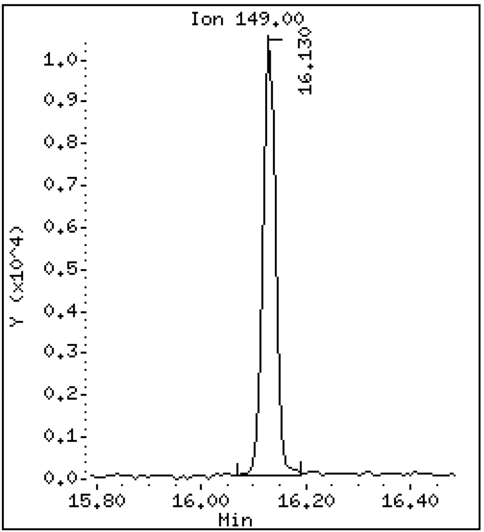
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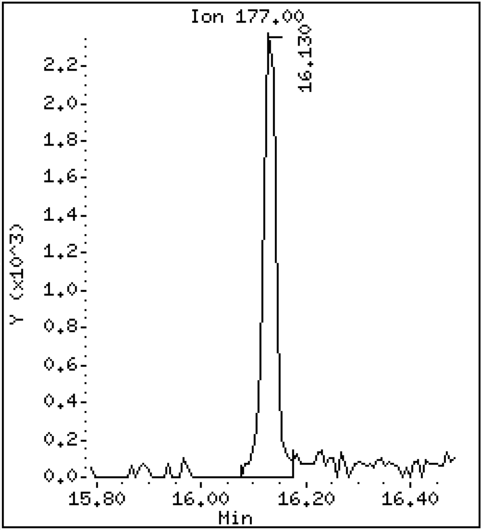
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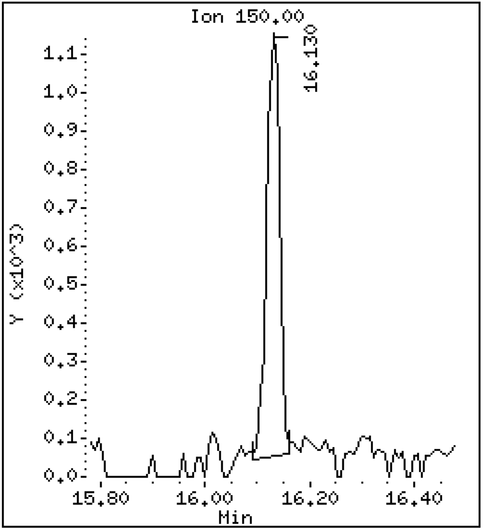
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Data File: \\target\share\chem3\nt14.i\20230106.b\NT1423010629.D

Date : 07-JAN-2023 04:27

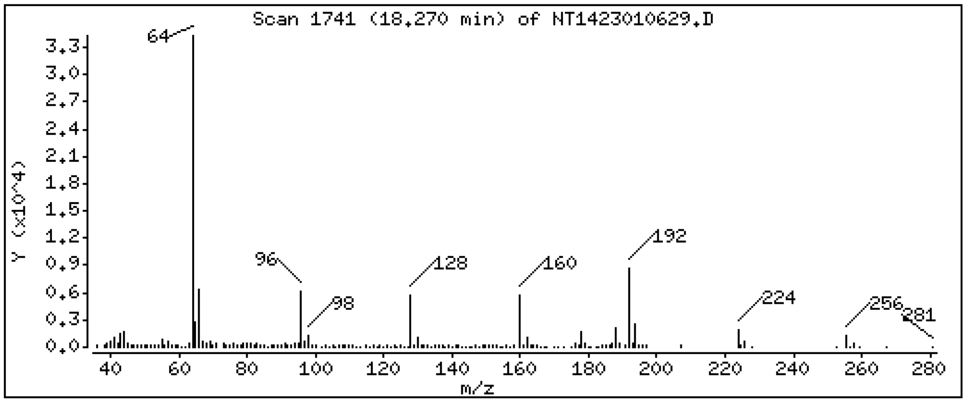
Client ID: Instrument: nt14.i

Sample Info: 22L0307-39

Operator: VTS

Column phase: ZB-5msi Column diameter: 0.25

60 Phenanthrene Concentration: 0.03018 ug/mL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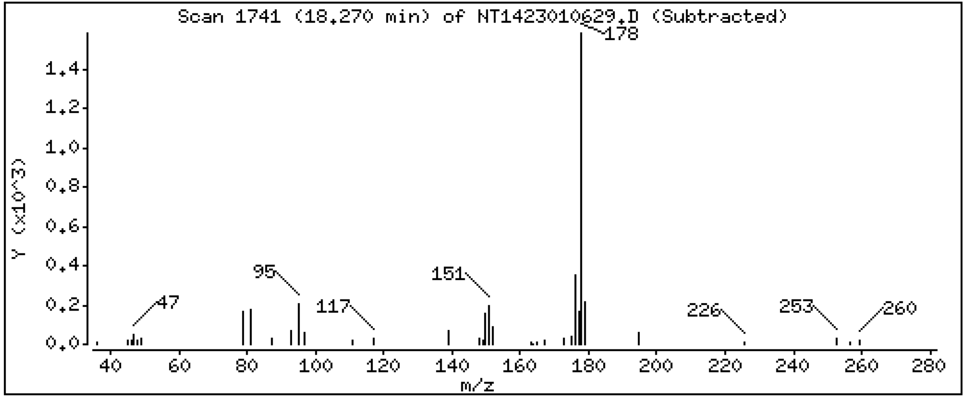
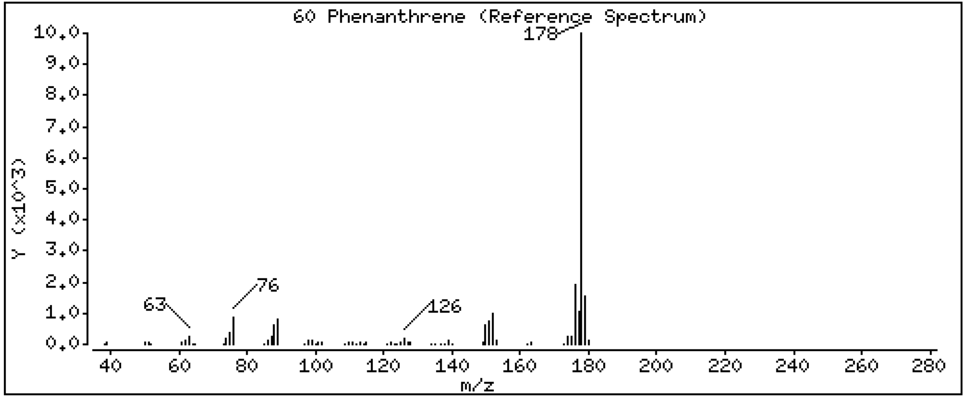
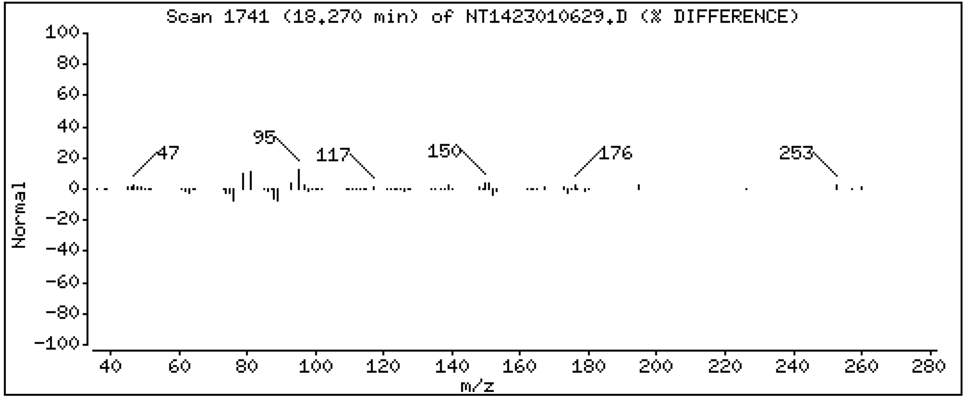

Scan 1741 (18.270 min) of NT1423010629.D (Subtracted)


60 Phenanthrene (Reference Spectrum)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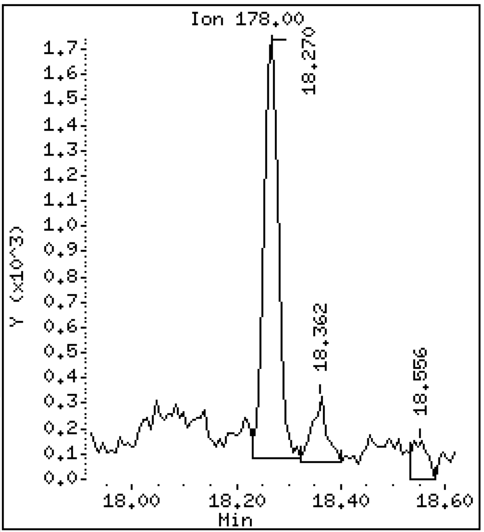
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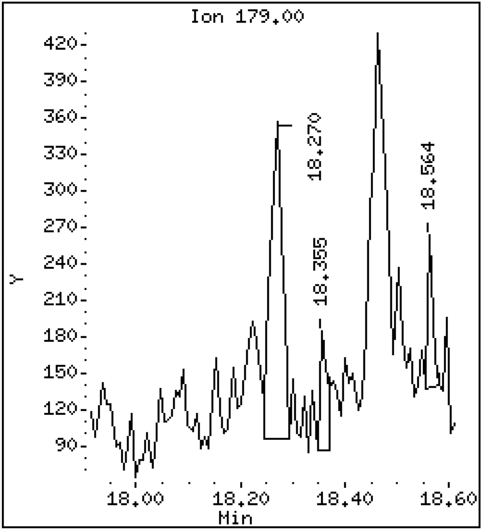
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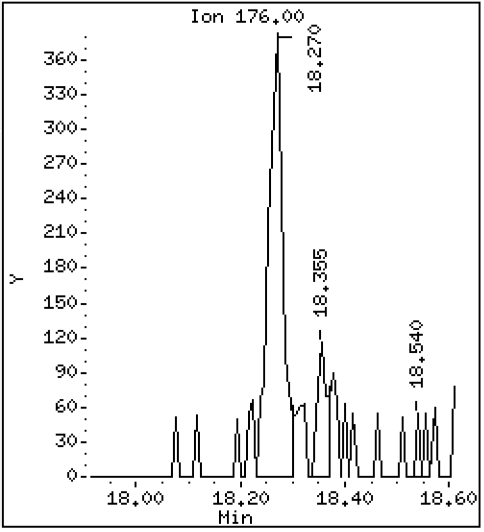
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Data File: \\target\share\chem3\nt14.i\20230106.b\NT1423010629.D Page 6

Date : 07-JAN-2023 04:27

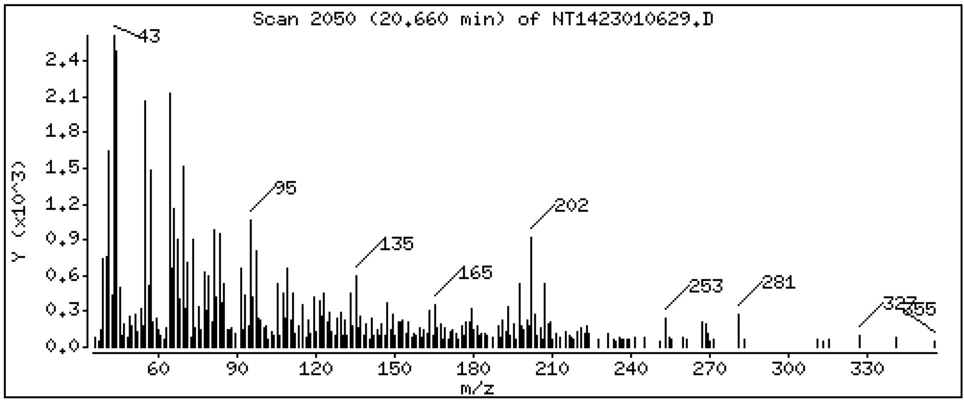
Client ID: Instrument: nt14.i

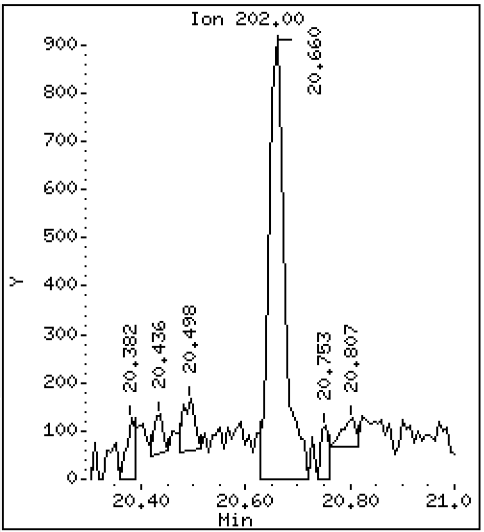
Sample Info: 22L0307-39

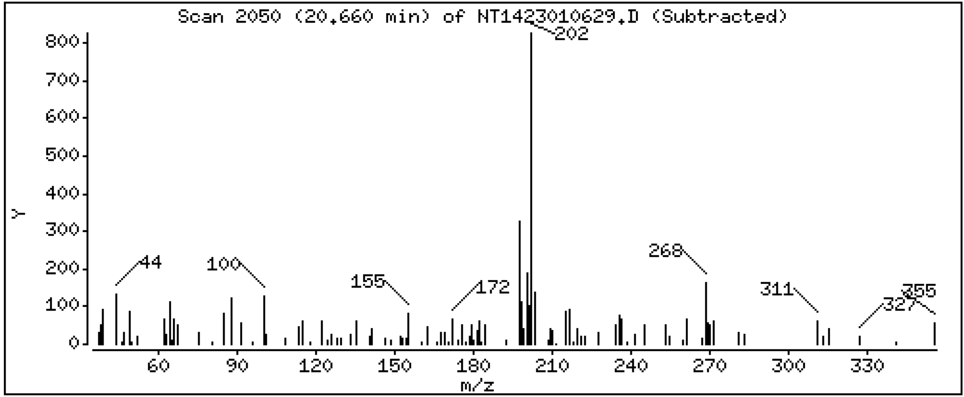
Operator: VTS

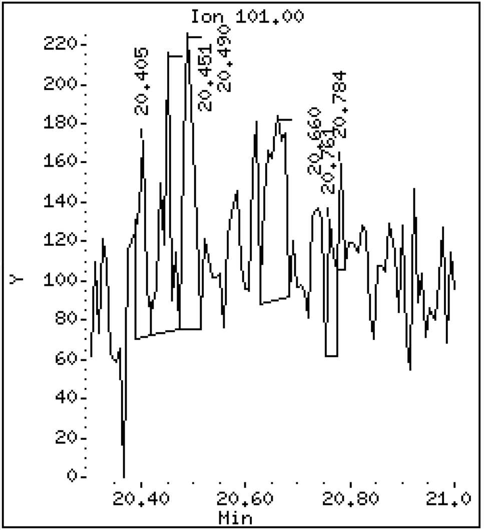
Column phase: ZB-5msi Column diameter: 0.25

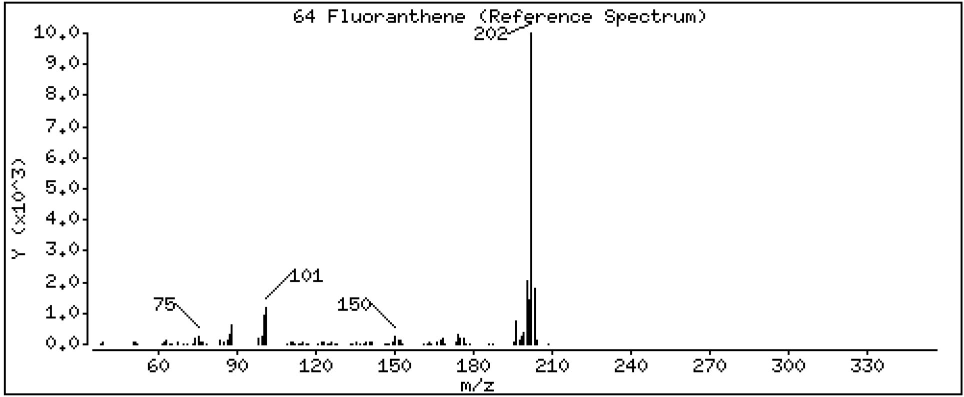
64 Fluoranthene Concentration: 0.01971 ug/mL

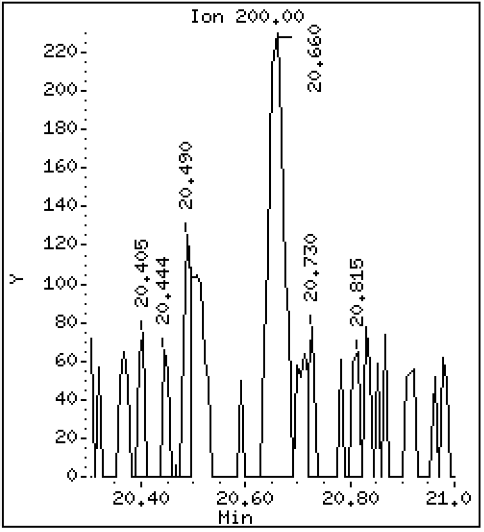


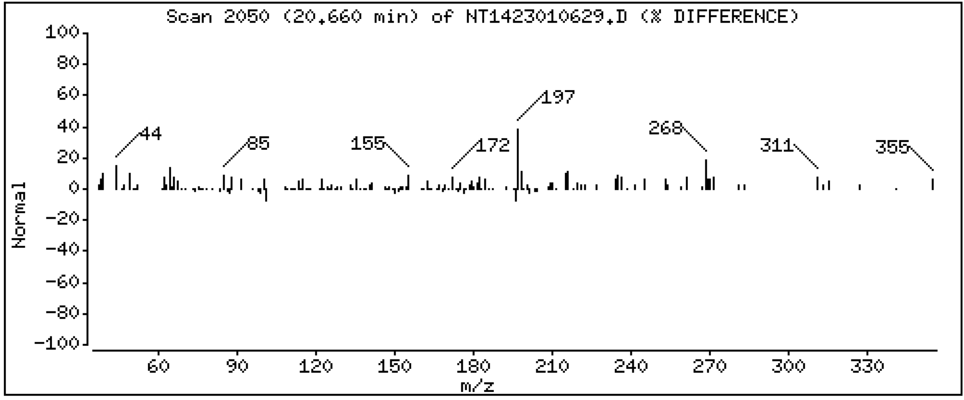












Data File: \\target\share\chem3\nt14.i\20230106.b\NT1423010629.D

Date : 07-JAN-2023 04:27

Client ID:

Instrument: nt14.i

Sample Info: 22L0307-39

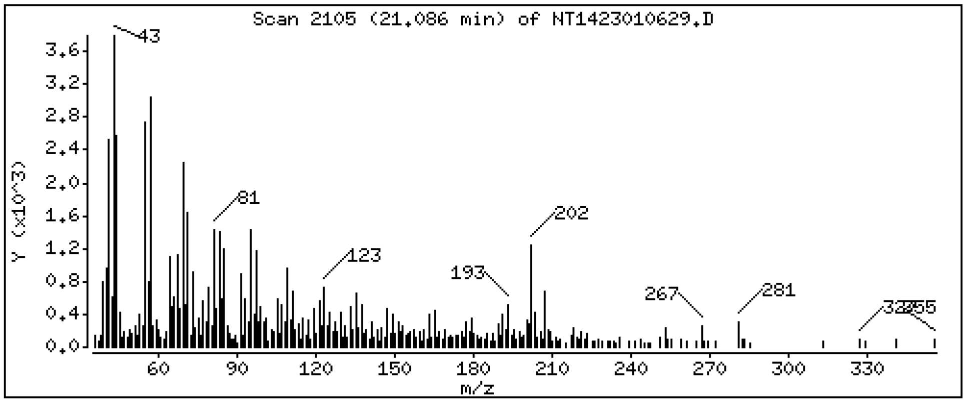
Operator: VTS

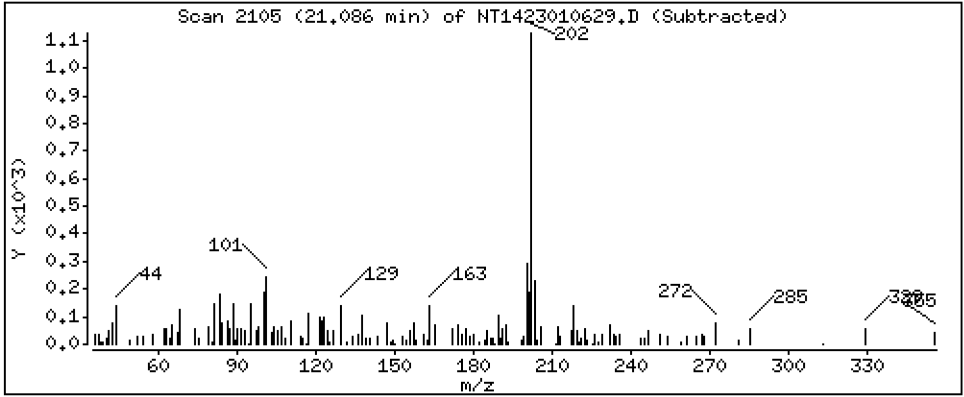
Column phase: ZB-5msi

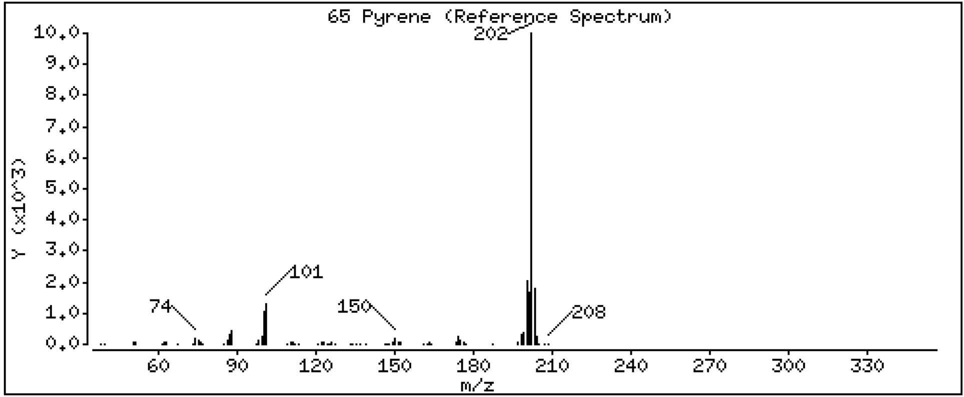
Column diameter: 0.25

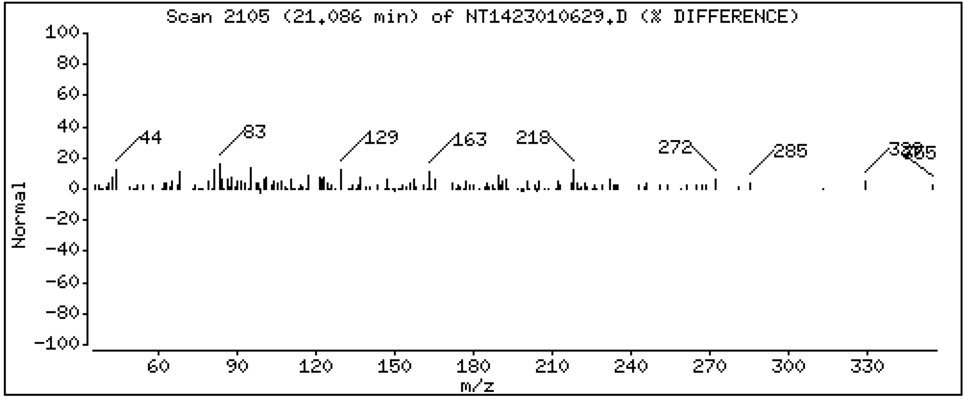
65 Pyrene

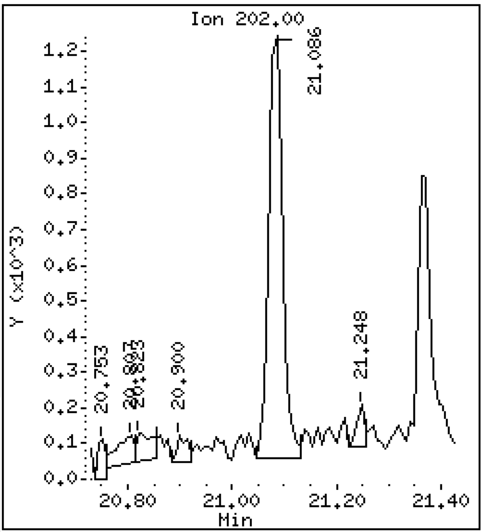
Concentration: 0.02138 ug/mL

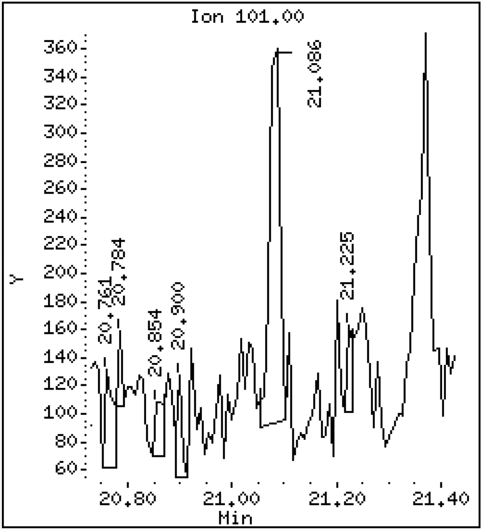

Scan 2105 (21.086 min) of NT1423010629.D

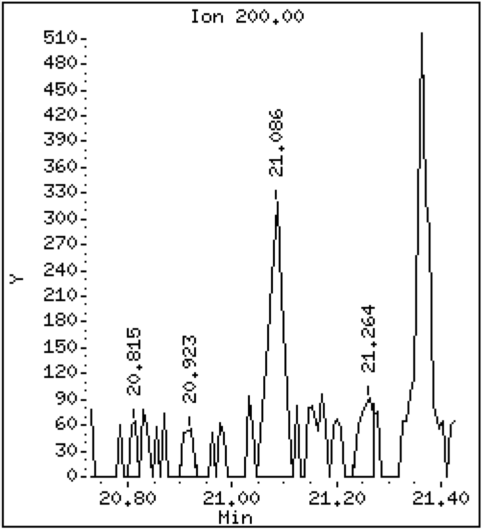

Scan 2105 (21.086 min) of NT1423010629.D (Subtracted)


65 Pyrene (Reference Spectrum)


Scan 2105 (21.086 min) of NT1423010629.D (% DIFFERENCE)


Ion 202.00


Ion 101.00


Ion 200.00

Data File: \\target\share\chem3\nt14.i\20230106.b\NT1423010629.D

Date : 07-JAN-2023 04:27

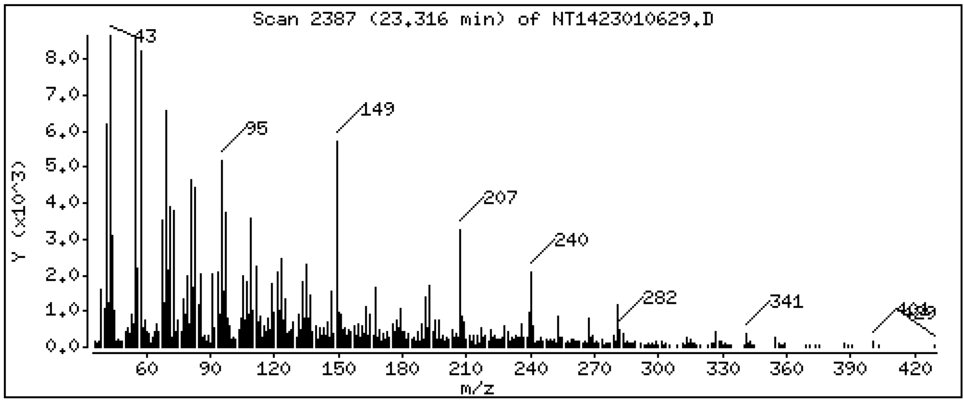
Client ID: Instrument: nt14.i

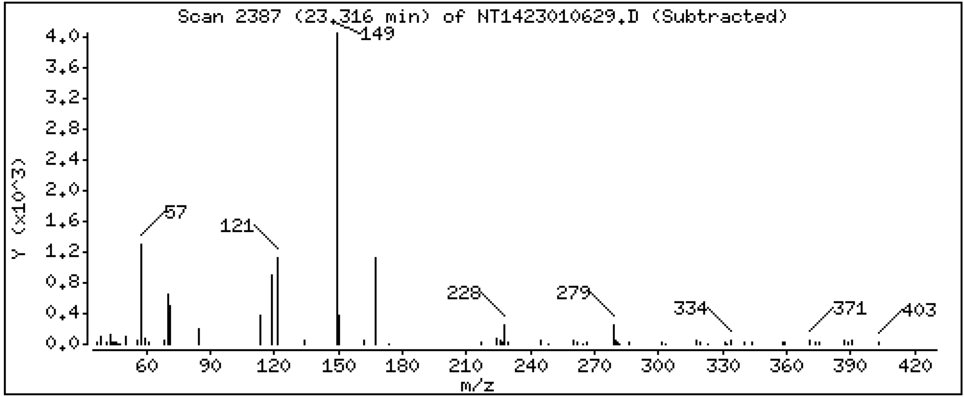
Sample Info: 22L0307-39

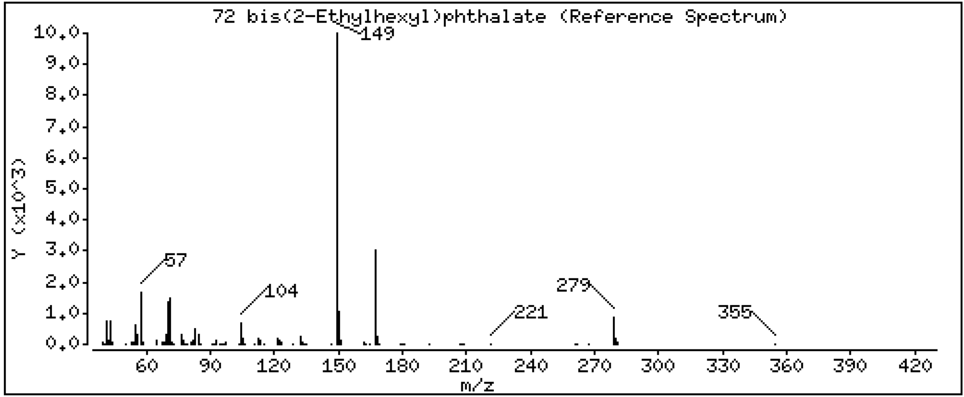
Operator: VTS

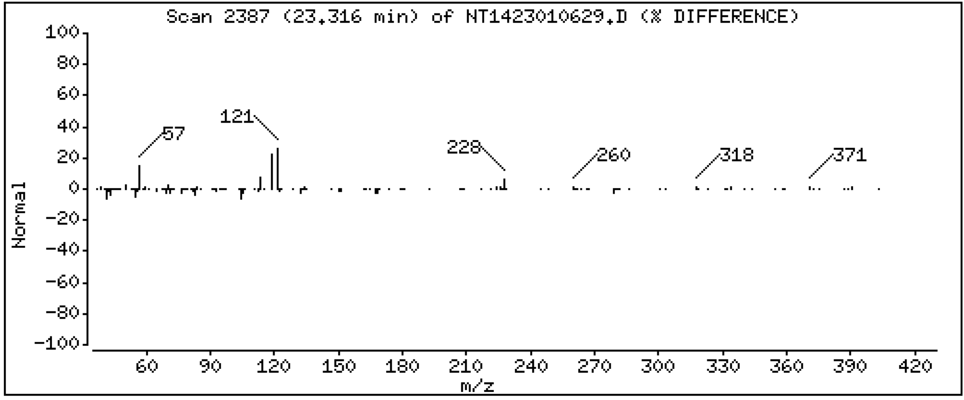
Column phase: ZB-5msi Column diameter: 0.25

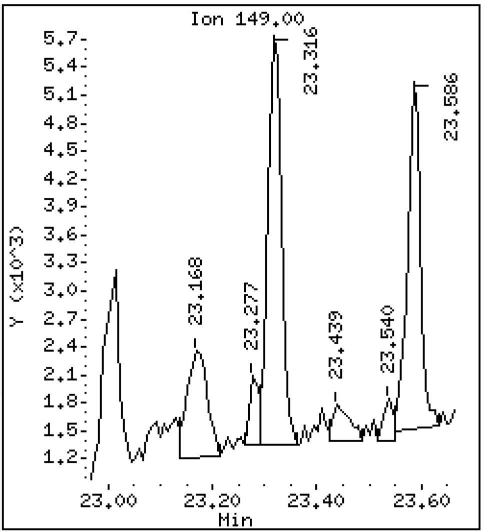
72 bis(2-Ethylhexyl)phthalate Concentration: 0.1163 ug/mL

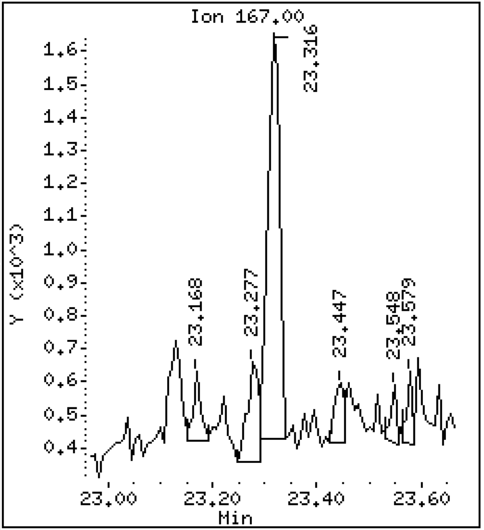

Scan 2387 (23.316 min) of NT1423010629.D

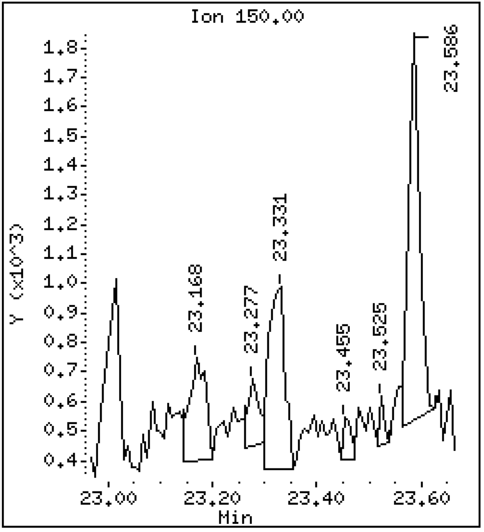

Scan 2387 (23.316 min) of NT1423010629.D (Subtracted)


72 bis(2-Ethylhexyl)phthalate (Reference Spectrum)


Scan 2387 (23.316 min) of NT1423010629.D (% DIFFERENCE)


Ion 149.00


Ion 167.00


Ion 150.00

Data File: \\target\share\chem3\nt14.i\20230106.b\NT1423010629.D

Date : 07-JAN-2023 04:27

Client ID:

Instrument: nt14.i

Sample Info: 22L0307-39

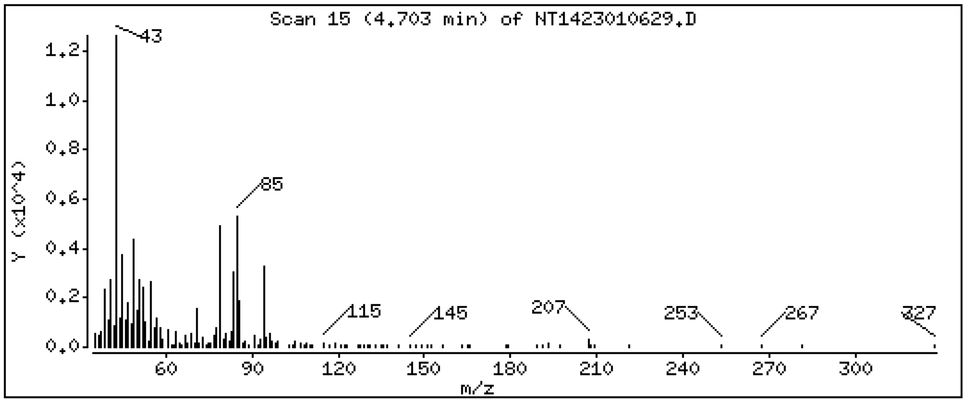
Operator: VTS

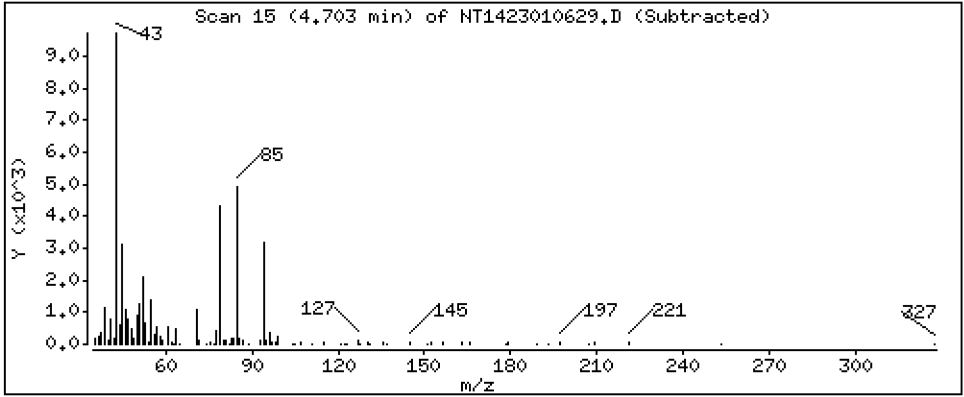
Column phase: ZB-5msi

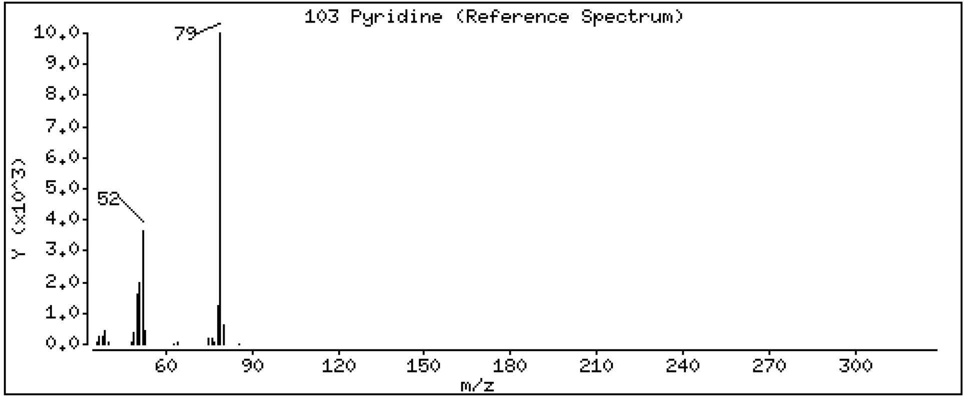
Column diameter: 0.25

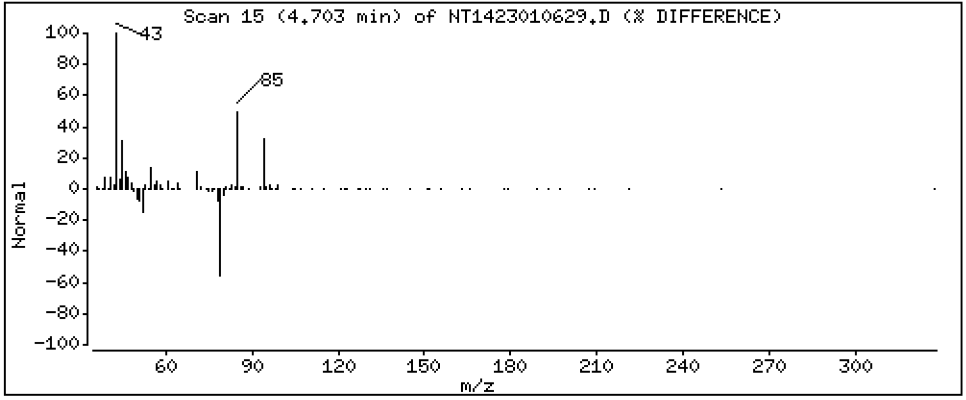
103 Pyridine

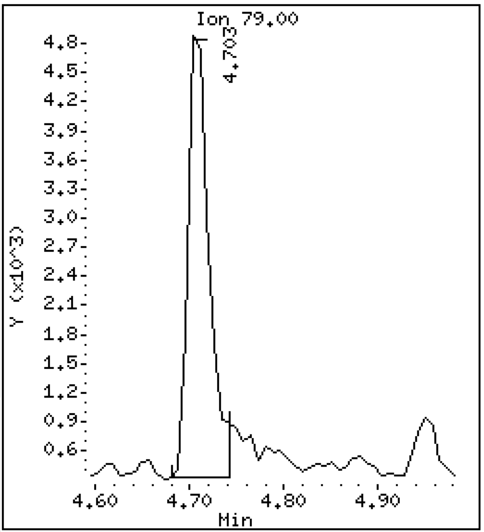
Concentration: 0.08367 ug/mL

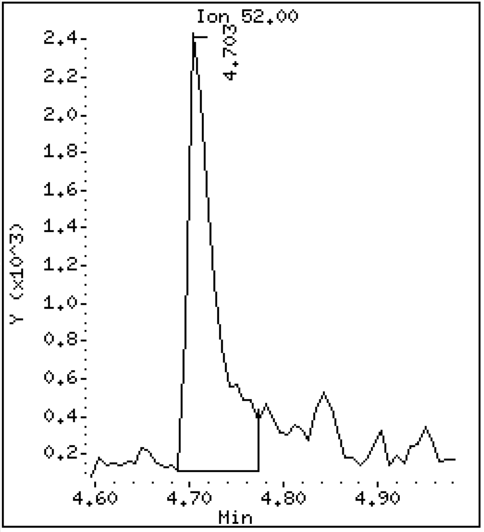

Scan 15 (4.703 min) of NT1423010629.D


Scan 15 (4.703 min) of NT1423010629.D (Subtracted)


103 Pyridine (Reference Spectrum)


Scan 15 (4.703 min) of NT1423010629.D (% DIFFERENCE)


Ion 79.00


Ion 52.00

Data File: \\target\share\chem3\nt14.i\20230106.b\NT1423010629.D

Date : 07-JAN-2023 04:27

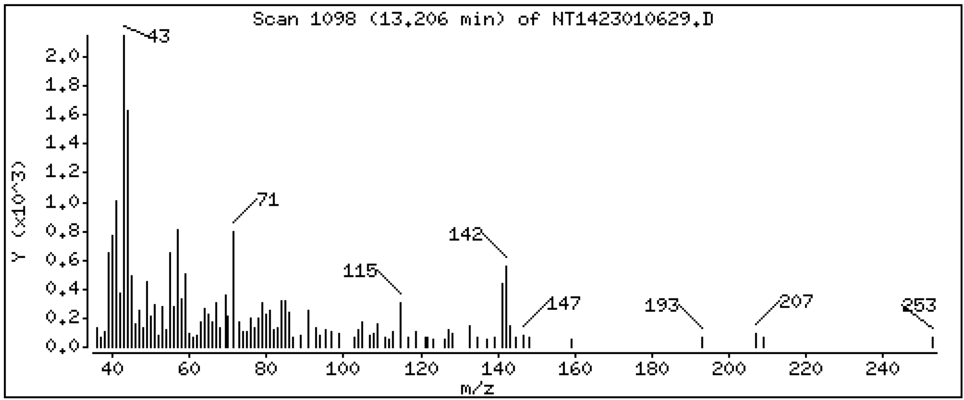
Client ID: Instrument: nt14.i

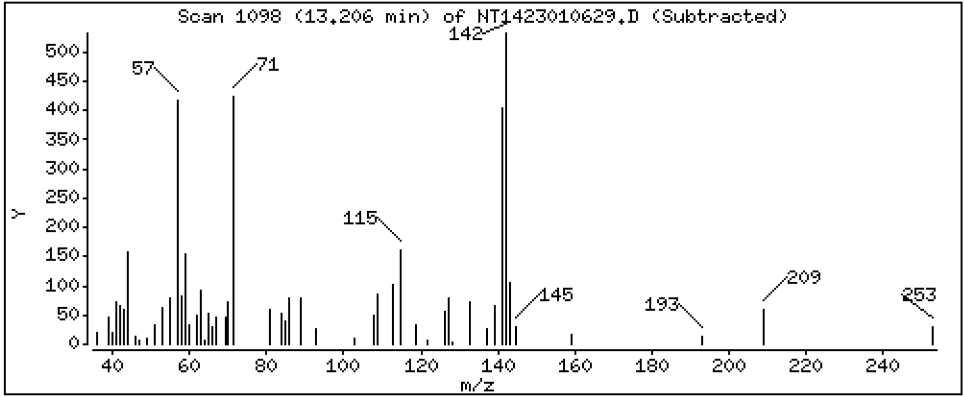
Sample Info: 22L0307-39

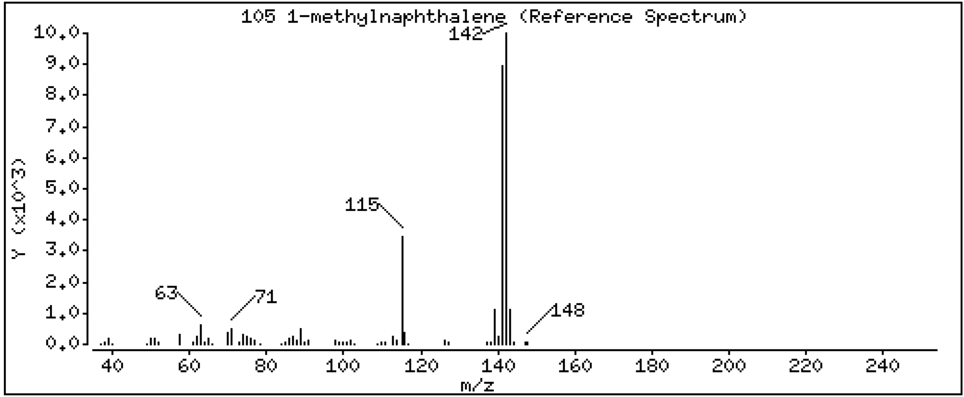
Operator: VTS

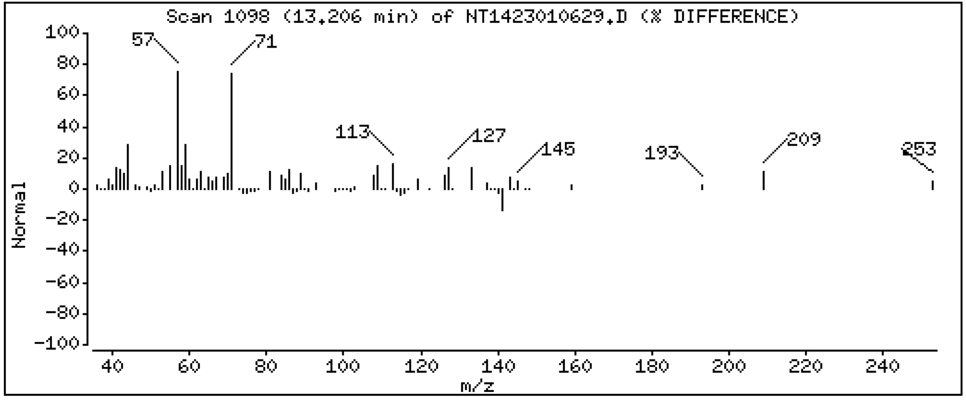
Column phase: ZB-5msi Column diameter: 0.25

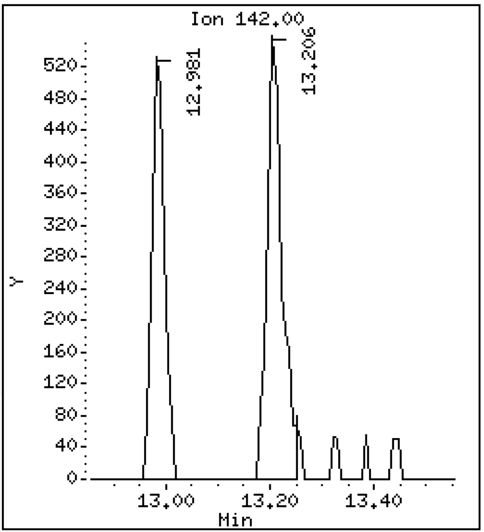
105 1-methylnaphthalene Concentration: 0.01375 ug/mL

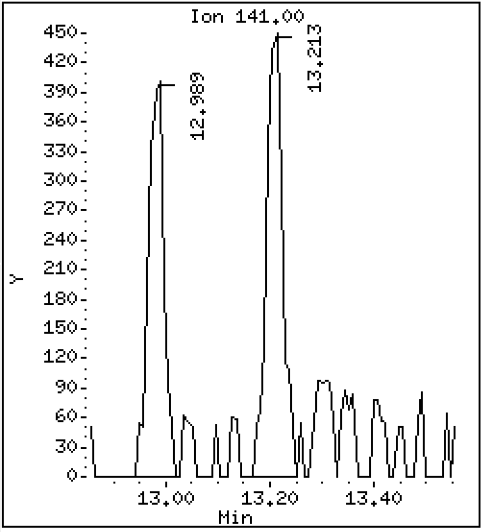

Scan 1098 (13.206 min) of NT1423010629.D


Scan 1098 (13.206 min) of NT1423010629.D (Subtracted)


105 1-methylnaphthalene (Reference Spectrum)


Scan 1098 (13.206 min) of NT1423010629.D (% DIFFERENCE)


Ion 142.00


Ion 141.00

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Data File: \\target\share\chem3\nt14.i\20230106.b\NT1423010629.D Page 1
Report Date: 12-Jan-2023 08:16



                                   ARI Labs, Inc.

                       Semivolatile Report SW846 Method 8270D
Data file : \\target\share\chem3\nt14.i\20230106.b\NT1423010629.D
Lab Smp Id: 22L0307-39
Inj Date  : 07-JAN-2023 04:27           MS Autotune Date: 17-MAY-2011 01:22
Operator  : VTS                         Inst ID: nt14.i
Smp Info  : 22L0307-39
Misc Info :
Comment   : 1ul Injection
Method    : \\target\share\chem3\nt14.i\20230106.b\ABN.m
Meth Date : 12-Jan-2023 08:12 van       Quant Type: ISTD
Cal Date  : 30-DEC-2022 11:07           Cal File: NT1422123007.D
Als bottle: 26
Dil Factor: 1.00000
Integrator: HP RTE                      Compound Sublist: ICAL.sub
Target Version:  4.14
Processing Host: VANS-201906


                                                                                         CONCENTRATIONS
                                     QUANT SIG                                        ON-COLUMN    FINAL
Compounds                              MASS          RT   EXP RT   REL RT  RESPONSE    (ug/mL)    (ug/mL)
==========================             ====         ==== ======== ======== ========    =======    =======
$   1 2-Fluorophenol                    112        6.826   6.811 (0.755)     213561    5.40512      5.405
$   2 Phenol-d5                          99        8.410   8.403 (0.931)     271373    5.55770      5.558
    3 Phenol                             94           Compound Not Detected.
$   5 2-Chlorophenol-d4                 132        8.681   8.673 (0.961)     244404    5.95989      5.960
    4 Bis(2-Chloroethyl)ether            93           Compound Not Detected.
    6 2-Chlorophenol                    128           Compound Not Detected.
    7 1,3-Dichlorobenzene               146           Compound Not Detected.
*   8 1,4-Dichlorobenzene-d4            152        9.037   9.037 (1.000)     123328    4.00000
    9 1,4-Dichlorobenzene               146           Compound Not Detected.
$  10 1,2-Dichlorobenzene-d4            152        9.402   9.401 (1.040)     104240    3.71912      3.719
   12 1,2-Dichlorobenzene               146           Compound Not Detected.
   11 Benzyl alcohol                    108           Compound Not Detected.
   14 2,2'-oxybis(1-Chloropropane)      121           Compound Not Detected.
   13 2-Methylphenol                    108           Compound Not Detected.
   17 Hexachloroethane                  117           Compound Not Detected.
   16 N-Nitroso-di-n-propylamine         70           Compound Not Detected.
   15 4-Methylphenol                    108           Compound Not Detected.
$  18 Nitrobenzene-d5                   82        10.131  10.131 (0.878)     181686    4.73197      4.732
   19 Nitrobenzene                       77           Compound Not Detected.
   20 Isophorone                         82           Compound Not Detected.
   21 2-Nitrophenol                     139           Compound Not Detected.
   22 2,4-Dimethylphenol                107           Compound Not Detected.
   23 Bis(2-Chloroethoxy)methane         93           Compound Not Detected.
   24 Benzoic acid                      105           Compound Not Detected.
   25 2,4-Dichlorophenol                162           Compound Not Detected.
   26 1,2,4-Trichlorobenzene            180           Compound Not Detected.
*  27 Naphthalene-d8                   136        11.542  11.534 (1.000)     454685    4.00000
   28 Naphthalene                      128        11.581  11.581 (1.003)       1628    0.01455    0.01455
   29 4-Chloroaniline                   127           Compound Not Detected.
   30 Hexachlorobutadiene               225           Compound Not Detected.
   31 4-Chloro-3-methylphenol           107           Compound Not Detected.
   32 2-Methylnaphthalene              142        12.981  12.981 (1.125)        860    0.01048    0.01048
   33 Hexachlorocyclopentadiene         237           Compound Not Detected.
```

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                                                                                        CONCENTRATIONS
                                     QUANT SIG                                        ON-COLUMN    FINAL
Compounds                              MASS          RT   EXP RT   REL RT  RESPONSE    (ug/mL)    (ug/mL)
==========================            ====          ==== ======== ======== ========    =======    =======
   34 2,4,6-Trichlorophenol             196           Compound Not Detected.
   35 2,4,5-Trichlorophenol             196           Compound Not Detected.
$  36 2-Fluorobiphenyl                 172        13.770  13.770 (0.908)     326178    4.26192      4.262
   37 2-Chloronaphthalene               162           Compound Not Detected.
   38 2-Nitroaniline                     65           Compound Not Detected.
   39 Dimethylphthalate                 163           Compound Not Detected.
   40 Acenaphthylene                    152           Compound Not Detected.
   41 2,6-Dinitrotoluene                165           Compound Not Detected.
*  42 Acenaphthene-d10                 164        15.171  15.171 (1.000)     227627    4.00000
   43 3-Nitroaniline                    138           Compound Not Detected.
   44 Acenaphthene                      153           Compound Not Detected.
   45 2,4-Dinitrophenol                 184           Compound Not Detected.
   46 Dibenzofuran                      168           Compound Not Detected.
   47 4-Nitrophenol                     109           Compound Not Detected.
   48 2,4-Dinitrotoluene                165           Compound Not Detected.
   50 Diethylphthalate                 149        16.129  16.137 (1.063)      16376    0.18768     0.1877
   49 Fluorene                          166           Compound Not Detected.
   51 4-Chlorophenyl-phenylether        204           Compound Not Detected.
   52 4-Nitroaniline                    138           Compound Not Detected.
   53 4,6-Dinitro-2-methylphenol        198           Compound Not Detected.
   54 N-Nitrosodiphenylamine            169           Compound Not Detected.
$  55 2,4,6-Tribromophenol             330        16.816  16.816 (1.108)      64525    5.86612      5.866
   56 4-Bromophenyl-phenylether         248           Compound Not Detected.
   57 Hexachlorobenzene                 284           Compound Not Detected.
   58 Pentachlorophenol                 266           Compound Not Detected.
*  59 Phenanthrene-d10                 188        18.215  18.215 (1.000)     389310    4.00000
   60 Phenanthrene                     178        18.269  18.269 (1.003)       3063    0.03018    0.03018
   61 Anthracene                        178           Compound Not Detected.
   62 Carbazole                         167           Compound Not Detected.
   63 Di-n-butylphthalate               149           Compound Not Detected.
   64 Fluoranthene                     202        20.660  20.652 (0.888)       1840    0.01971    0.01971
   65 Pyrene                           202        21.085  21.077 (0.906)       2099    0.02138    0.02138
$  66 Terphenyl-d14                    244        21.364  21.364 (0.918)     378112    5.43261      5.433
   67 Butylbenzylphthalate              149           Compound Not Detected.
   68 Benzo(a)anthracene                228           Compound Not Detected.
*  69 Chrysene-d12                     240        23.276  23.276 (1.000)     289946    4.00000
   70 3,3'-Dichlorobenzidine            252           Compound Not Detected.
   71 Chrysene                          228           Compound Not Detected.
   72 bis(2-Ethylhexyl)phthalate       149        23.315  23.315 (0.959)       7712    0.11625     0.1163
* 134 Di-n-octylphthalate-d4           153        24.306  24.298 (1.000)     597319    4.00000
   73 Di-n-octylphthalate               149           Compound Not Detected.
   74 Benzo(b)fluoranthene              252           Compound Not Detected.
   75 Benzo(k)fluoranthene              252           Compound Not Detected.
   76 Benzo(a)pyrene                    252           Compound Not Detected.
*  77 Perylene-d12                     264        25.909  25.901 (1.000)     317032    4.00000
   78 Indeno(1,2,3-cd)pyrene            276           Compound Not Detected.
   79 Dibenzo(a,h)anthracene            278           Compound Not Detected.
   80 Benzo(g,h,i)perylene              276           Compound Not Detected.
   90 N-Nitrosodimethylamine             74           Compound Not Detected.
   91 Aniline                            93           Compound Not Detected.
   93 Benzidine                         184           Compound Not Detected.
  103 Pyridine                         79          4.703   4.633 (0.520)       7235    0.08367    0.08367
  105 1-methylnaphthalene              142        13.205  13.205 (1.144)       1084    0.01375    0.01375
  111 Azobenzene (1,2-DP-Hydrazine)      77           Compound Not Detected.
```

```
                                                                                       CONCENTRATIONS
                                     QUANT SIG                                       ON-COLUMN    FINAL
Compounds                              MASS         RT   EXP RT   REL RT  RESPONSE     (ug/mL)     (ug/mL)
==========================             ====         ==== ======== ======== ========    =======     =======
  187 Total Benzofluoranthenes           252          Compound Not Detected.
  120 2,3,4,6-Tetrachlorophenol          232          Compound Not Detected.
```

Data File: \\target\share\chem3\nt14.i\20230106.b\NT1423010629.D Page 1
Report Date: 12-Jan-2023 08:16

ARI Labs, Inc.

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: nt14.i
Lab File ID: NT1423010629.D
Lab Smp Id: 22L0307-39
Analysis Type: SV
Quant Type: ISTD
Operator: VTS
Method File: \\target\share\chem3\nt14.i\20230106.b\ABN.m
Misc Info:

Calibration Date: 06-JAN-2023
Calibration Time: 22:27
Level:
Sample Type:

Test Mode:
Use Last Continuing Calibrator.

		AREA LIMIT			
COMPOUND	STANDARD	LOWER	UPPER	SAMPLE	%DIFF
8 1,4-Dichlorobenze	114022	57011	228044	123328	8.16
27 Naphthalene-d8	420653	210327	841306	454685	8.09
42 Acenaphthene-d10	216802	108401	433604	227627	4.99
59 Phenanthrene-d10	366121	183061	732242	389310	6.33
69 Chrysene-d12	276883	138442	553766	289946	4.72
134 Di-n-octylphthala	540641	270321	1081282	597319	10.48
77 Perylene-d12	308305	154153	616610	317032	2.83

		RT LIMIT			
COMPOUND	STANDARD	LOWER	UPPER	SAMPLE	%DIFF
8 1,4-Dichlorobenze	9.04	8.54	9.54	9.04	0.00
27 Naphthalene-d8	11.53	11.03	12.03	11.54	0.07
42 Acenaphthene-d10	15.17	14.67	15.67	15.17	0.00
59 Phenanthrene-d10	18.22	17.72	18.72	18.22	0.00
69 Chrysene-d12	23.28	22.78	23.78	23.28	0.00
134 Di-n-octylphthala	24.30	23.80	24.80	24.31	0.03
77 Perylene-d12	25.90	25.40	26.40	25.91	0.03

AREA UPPER LIMIT = +100% of internal standard area.
AREA LOWER LIMIT = - 50% of internal standard area.
RT UPPER LIMIT = + 0.50 minutes of internal standard RT.
RT LOWER LIMIT = - 0.50 minutes of internal standard RT.

```
REVIEW SUMMARY FOR FILE - NT1423010629.D

Lab ID: 22L0307-39
nt14.i,  20230106.b\ABN.m,    07-JAN-2023 04:27

     RT      CO-ELUTION COMPOUNDS
---------------------------------------------------------------------------

            NO CO-ELUTIONS


Quant Method: ICAL



        RRT CHECK

   RRT    CCV RRT   DELTA    COMPOUND
 -------------------------------------

  0.520    0.513    0.0077   Pyridine

  RRT check based on Ccal File: NT1423010619.D


 On Column LOD for nt14.i, 20230106.b\ABN.m, ICAL.sub = 0.0000


 * Only compounds listed in the work order have been verified by the analyst *
```

LDW22-SC804F-FD

Form I
ORGANIC ANALYSIS DATA SHEET
EPA 8270E
Semivolatiles (20ug/kg - 0.2ug/L SepF)

Laboratory:	Analytical Resources, LLC				
Client:	Anchor QEA, LLC				
Project:	AOC4 UR Phase 3				
Matrix:	Sediment	Laboratory ID:	22L0307-40 B	SDG:	22L0307
Sampled:	12/12/22 11:18	Prepared:	12/27/22 11:08	File ID:	NT1423010630.D
% Solids:	74.15	Preparation:	EPA 3546 (Microwave)	Analyzed:	01/07/23 05:03
Batch:	BKL0585	Sequence:	SLA0068	Initial/Final:	13.49 g Wet / 1 mL
Instrument:	NT14	Column:	ZB-5MS	Calibration:	FL00066

CAS NO.	COMPOUND	DILUTION	CONC: (ug/kg dry)	Q	DL	RL
85-68-7	Butylbenzylphthalate	1	20.0	U	9.4	20.0

SURROGATES	ADDED: (ug/kg dry)	FOUND: (ug/kg dry)	% REC	QC LIMITS	Q
p-Terphenyl-d14	499.86	486	97.3	37 - 120	

Data File: \\target\share\chem3\nt14.i\20230106.b\NT1423010630.D

Page 1

Date : 07-JAN-2023 05:03

Client ID:

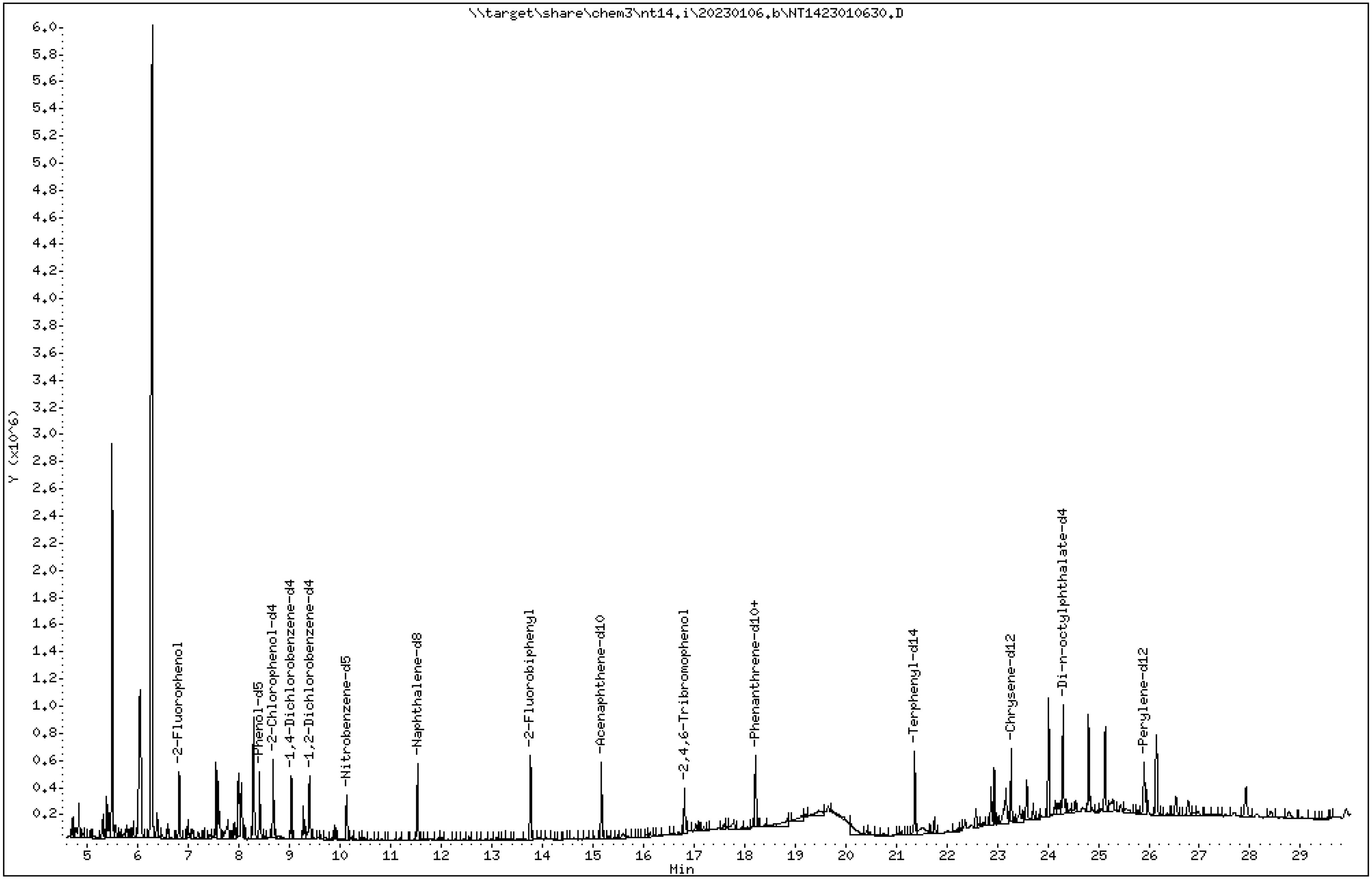
Instrument: nt14.i

Sample Info: 22L0307-40

Operator: VTS

Column phase: ZB-5msi

Column diameter: 0.25



Data File: \\target\share\chem3\nt14.i\20230106.b\NT1423010630.D Page 2

Date : 07-JAN-2023 05:03

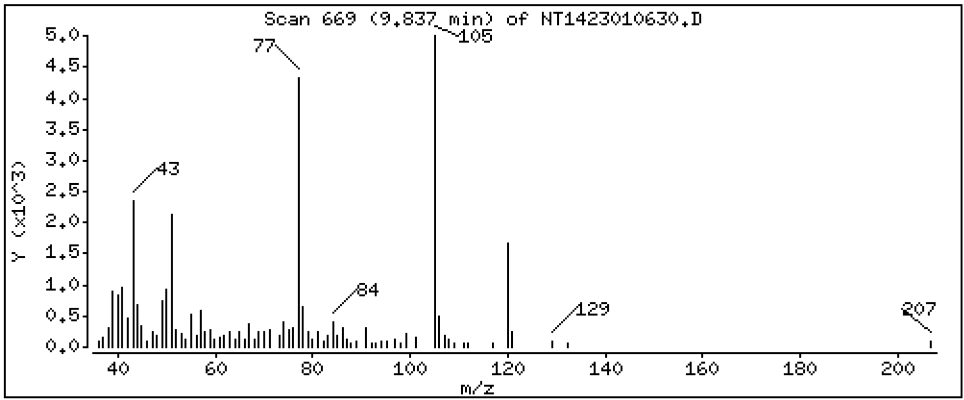
Client ID: Instrument: nt14.i

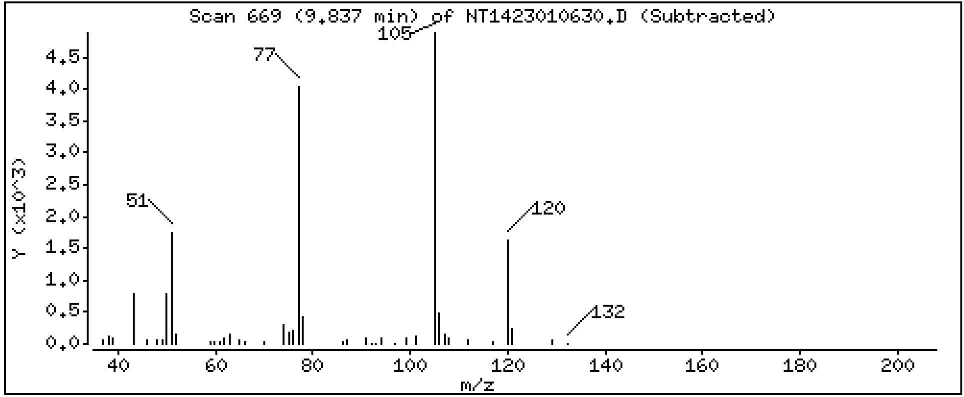
Sample Info: 22L0307-40

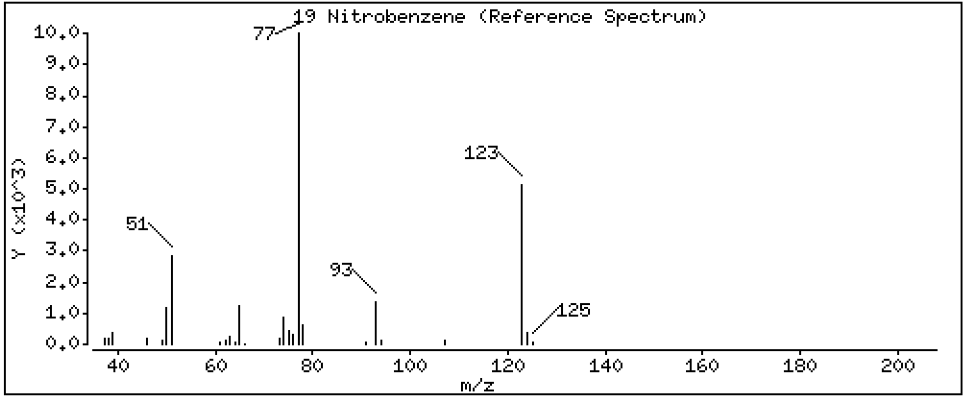
Operator: VTS

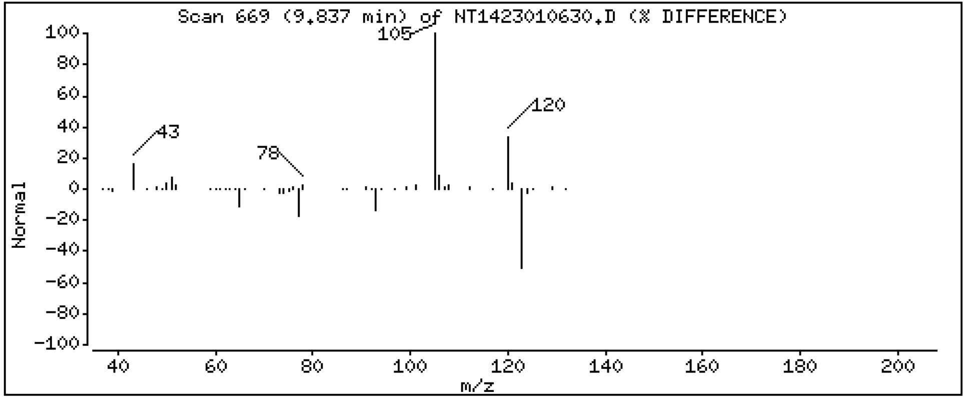
Column phase: ZB-5msi Column diameter: 0.25

19 Nitrobenzene Concentration: 0.1833 ug/mL


Scan 669 (9.837 min) of NT1423010630.D


Scan 669 (9.837 min) of NT1423010630.D (Subtracted)


19 Nitrobenzene (Reference Spectrum)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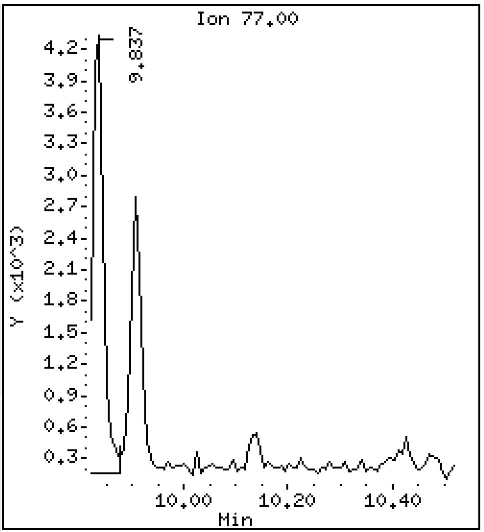
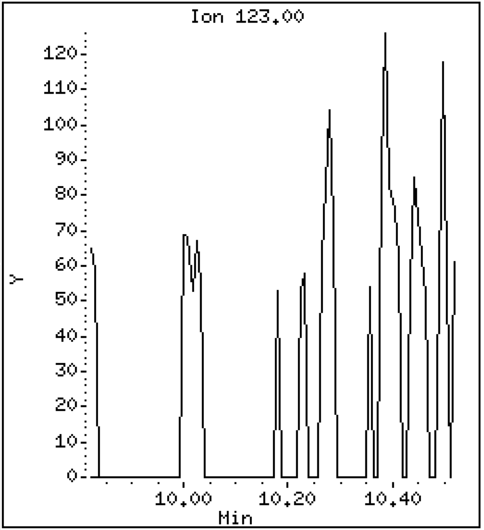

Ion 77.00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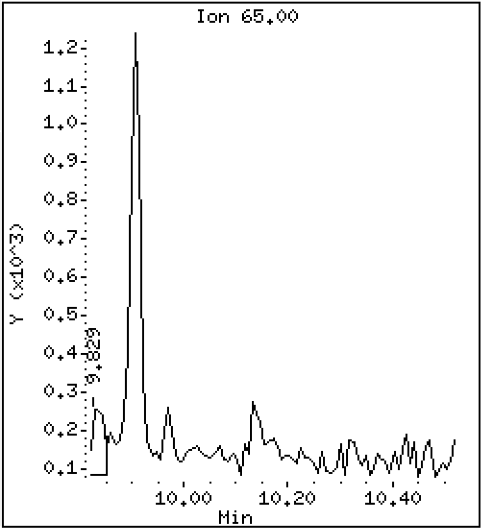
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Date : 07-JAN-2023 05:03

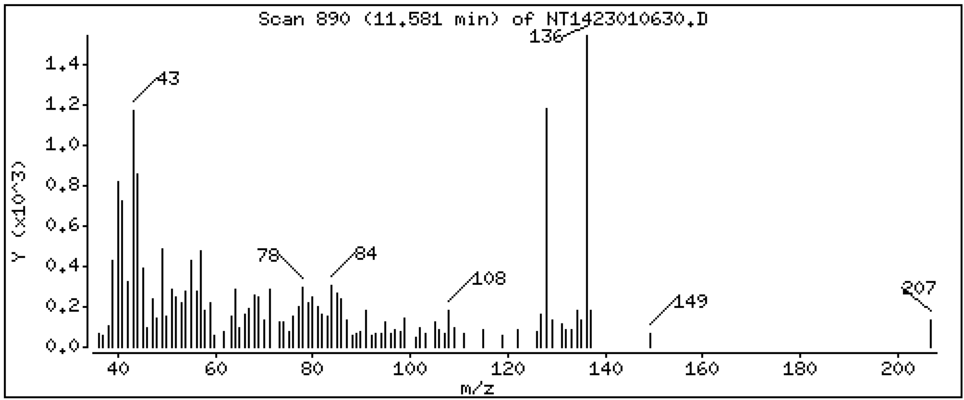
Client ID: Instrument: nt14.i

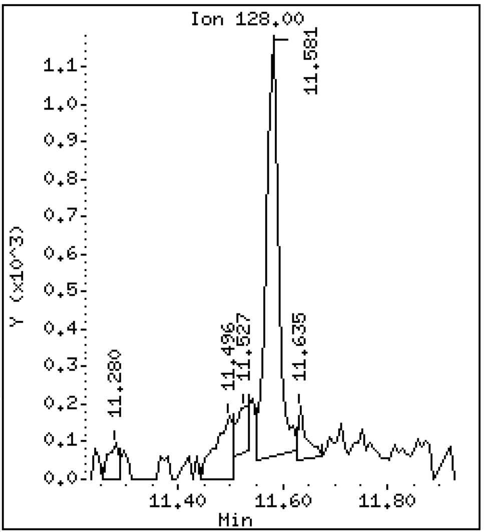
Sample Info: 22L0307-40

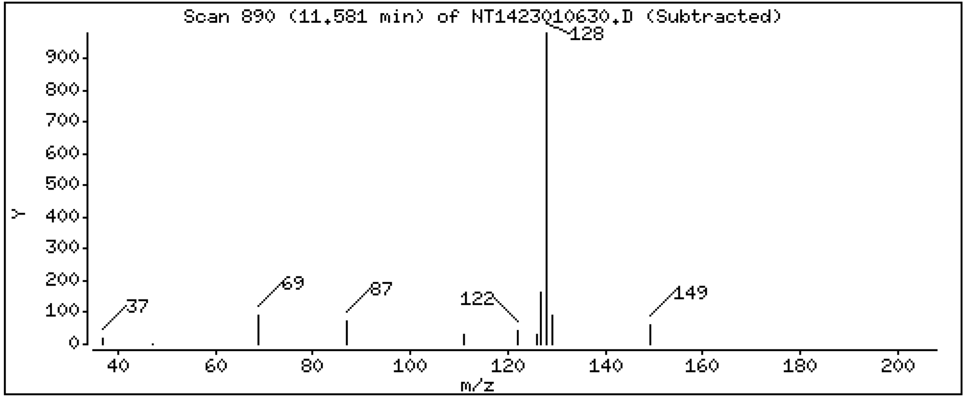
Operator: VTS

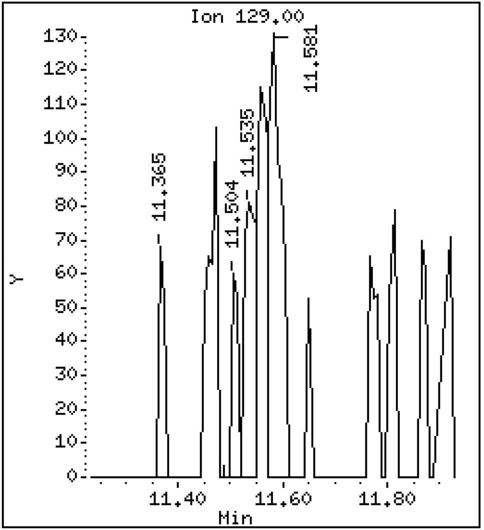
Column phase: ZB-5msi Column diameter: 0.25

28 Naphthalene Concentration: 0.01680 ug/mL


Scan 890 (11.581 min) of NT1423010630.D


Ion 128.00


Scan 890 (11.581 min) of NT1423010630.D (Subtracted)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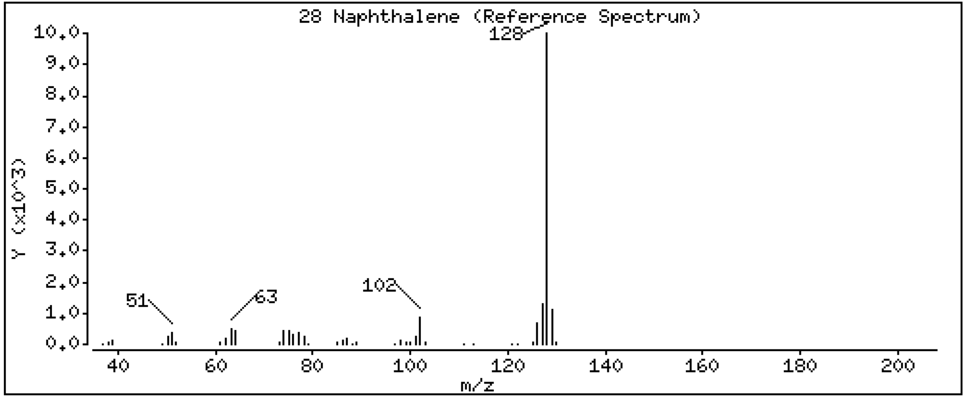
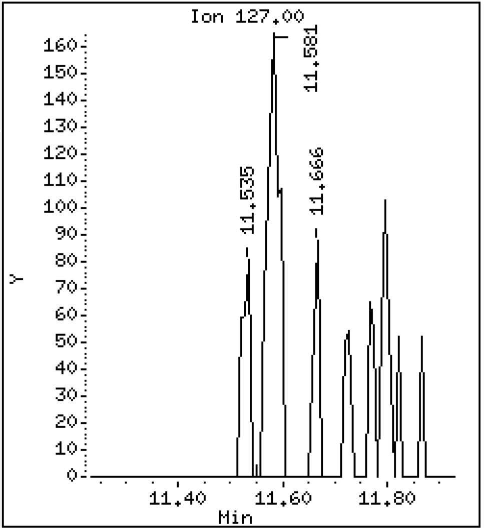

28 Naphthalene (Reference Spectrum)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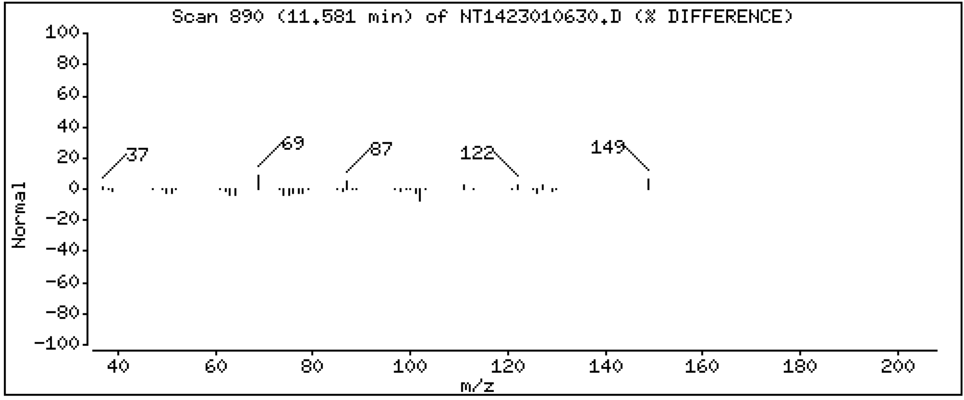

Scan 890 (11.581 min) of NT1423010630.D (% DIFFERENCE)

Data File: \\target\share\chem3\nt14.i\20230106.b\NT1423010630.D

Date : 07-JAN-2023 05:03

Client ID:

Instrument: nt14.i

Sample Info: 22L0307-40

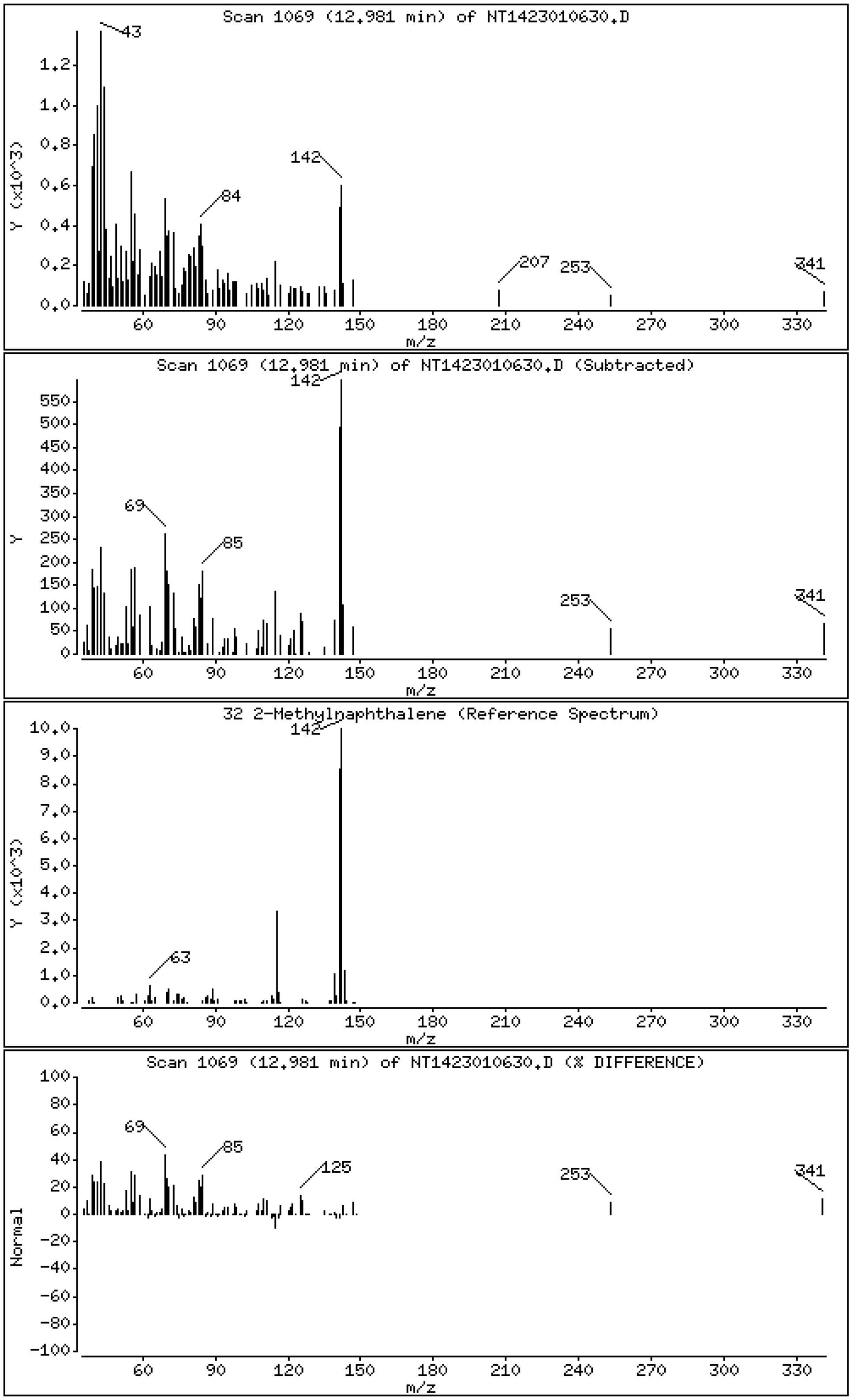
Operator: VTS

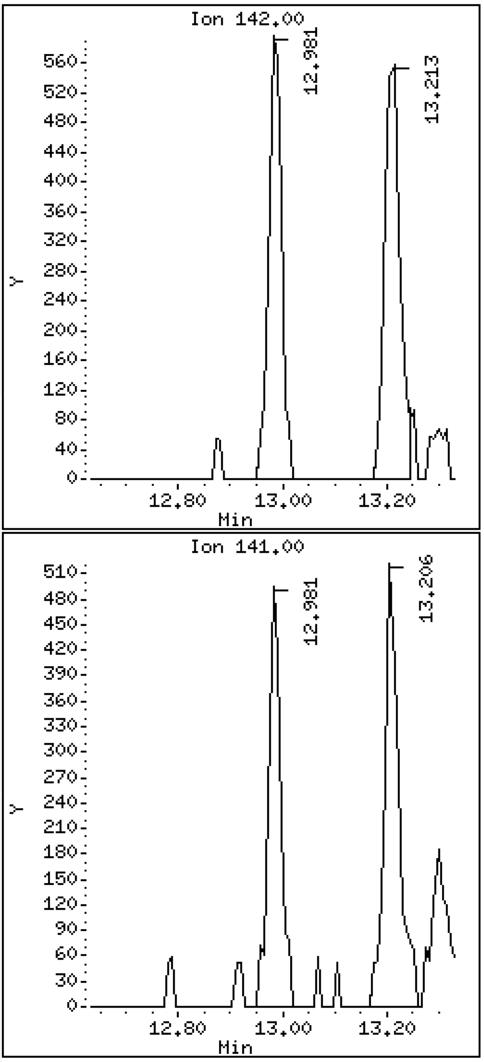
Column phase: ZB-5msi

Column diameter: 0.25

32 2-Methylnaphthalene

Concentration: 0.01317 ug/mL





Date : 07-JAN-2023 05:03

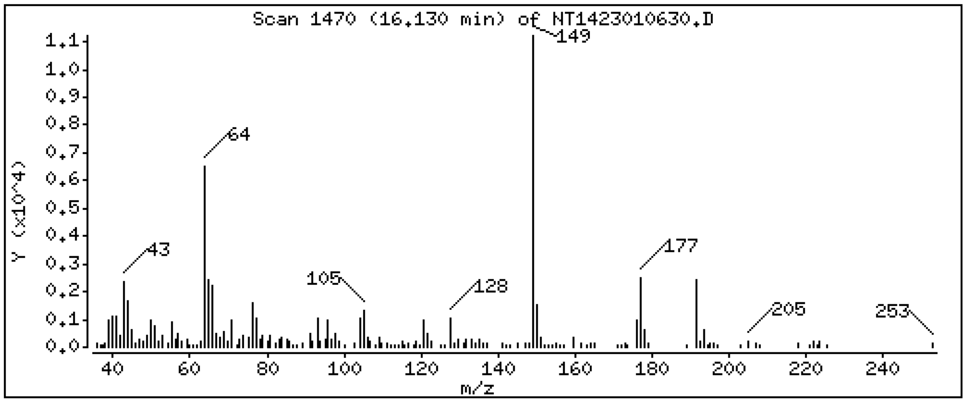
Client ID: Instrument: nt14.i

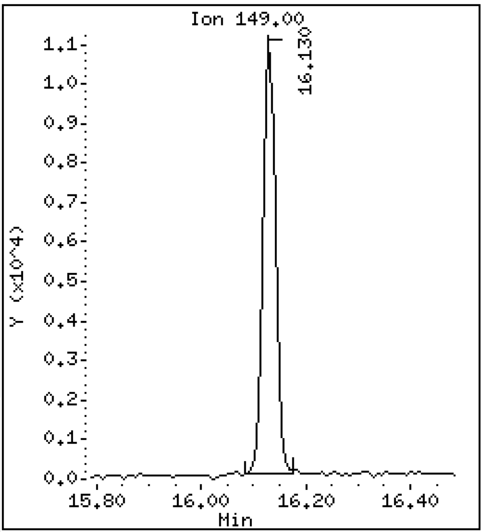
Sample Info: 22L0307-40

Operator: VTS

Column phase: ZB-5msi Column diameter: 0.25

50 Diethylphthalate Concentration: 0.2145 ug/mL


Scan 1470 (16.130 min) of NT1423010630.D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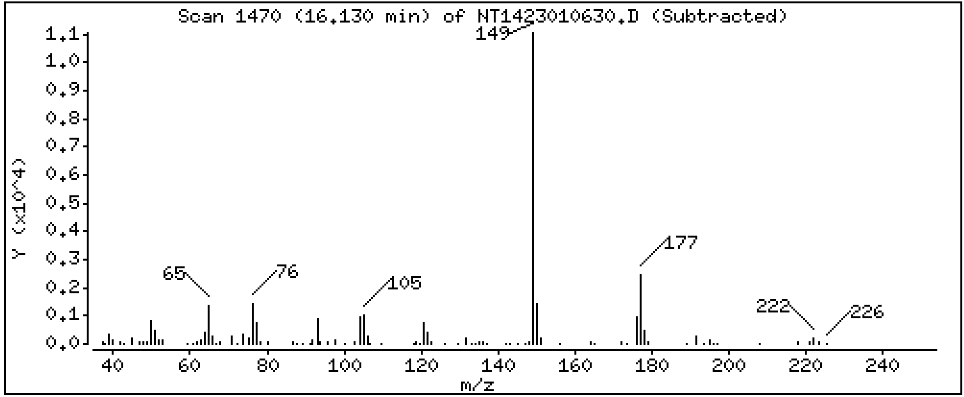
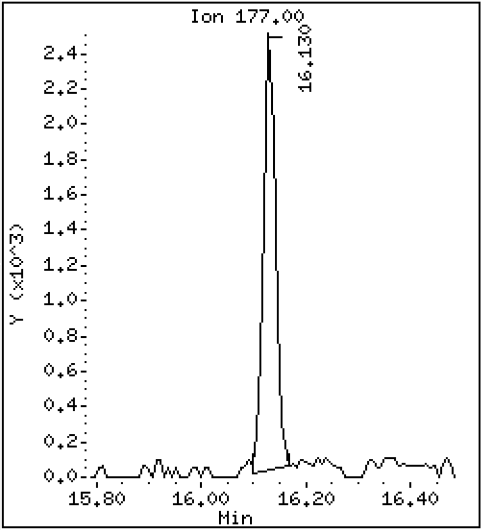

Scan 1470 (16.130 min) of NT1423010630.D (Subtracted)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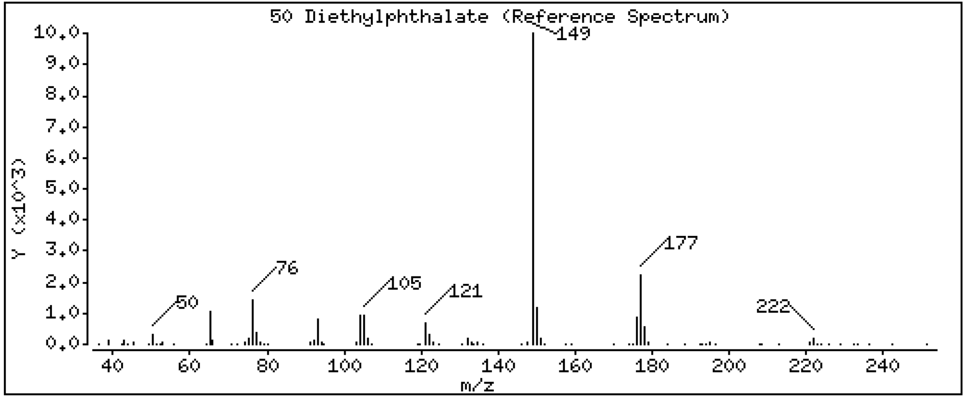
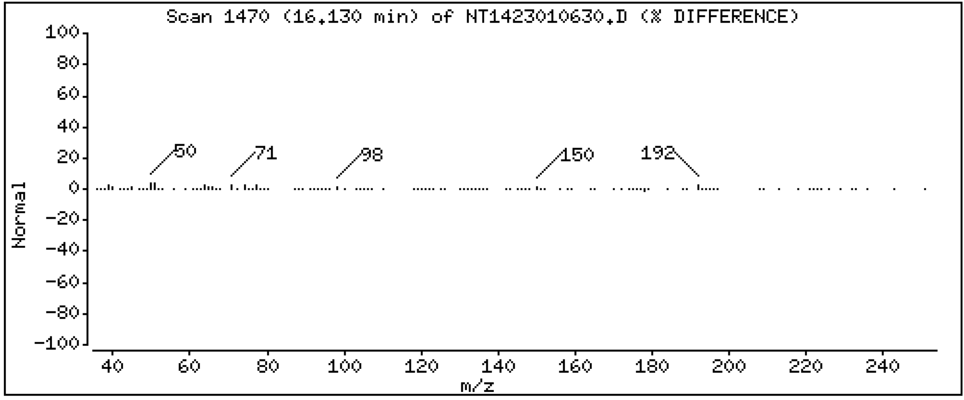
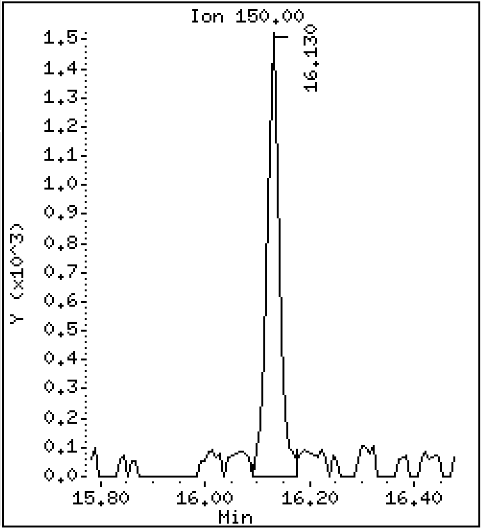

50 Diethylphthalate (Reference Spectrum)


Scan 1470 (16.130 min) of NT1423010630.D (% DIFFERENCE)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Date : 07-JAN-2023 05:03

Client ID:

Instrument: nt14.i

Sample Info: 22L0307-40

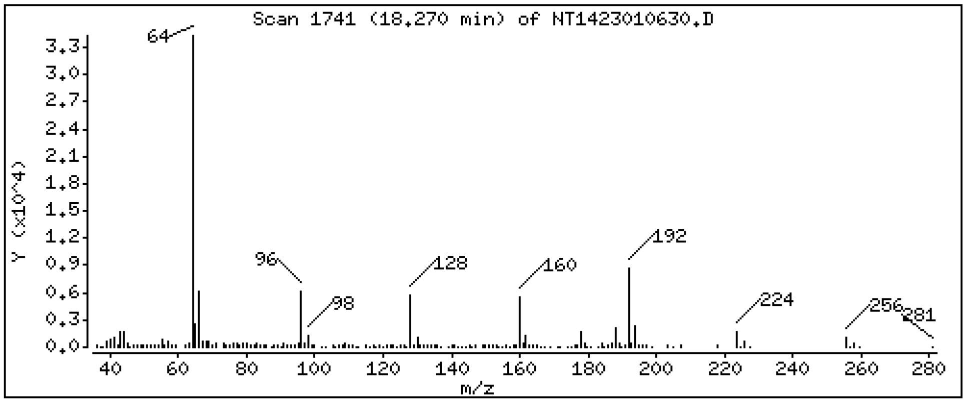
Operator: VTS

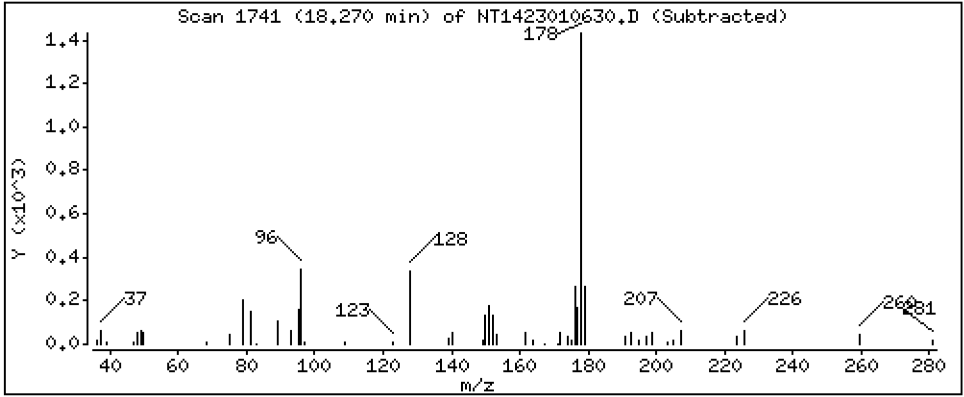
Column phase: ZB-5msi

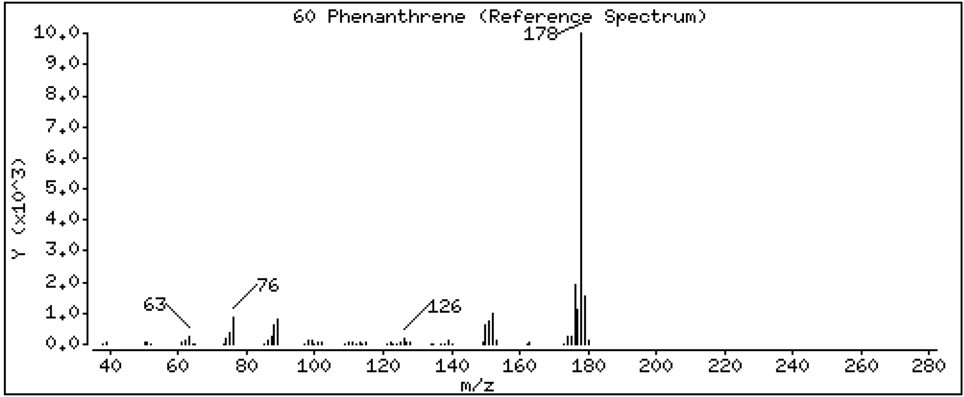
Column diameter: 0.25

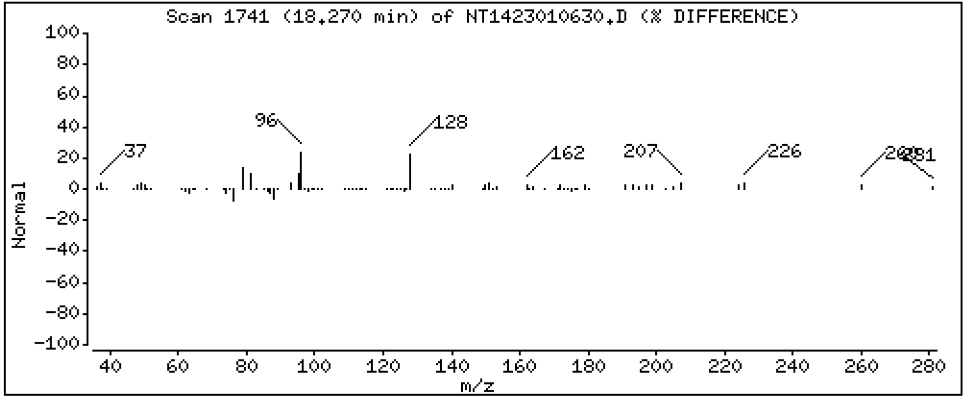
60 Phenanthrene

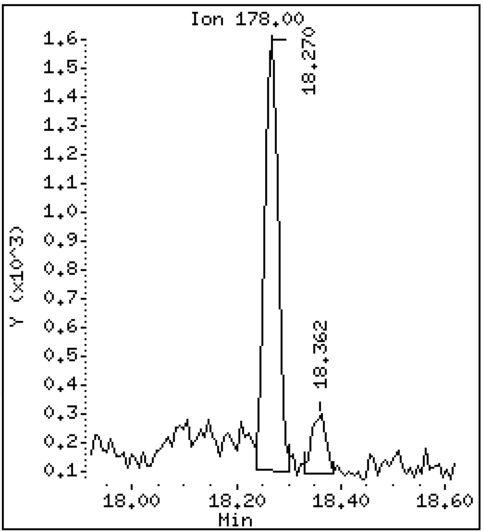
Concentration: 0.02852 ug/mL

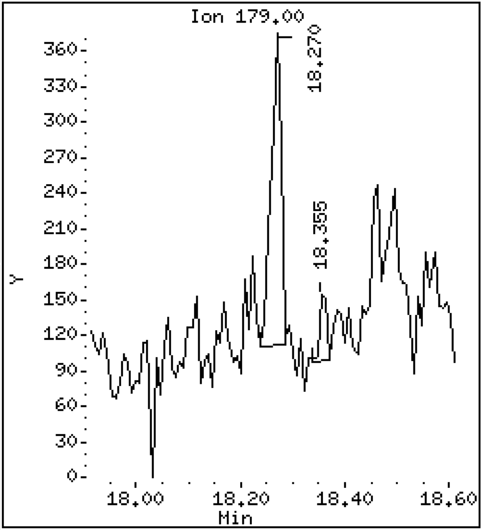


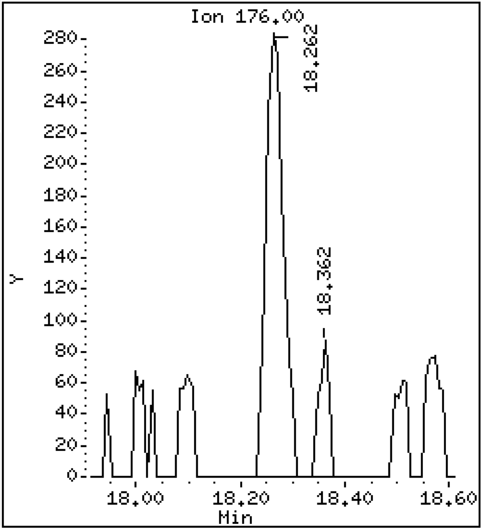












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Date : 07-JAN-2023 05:03

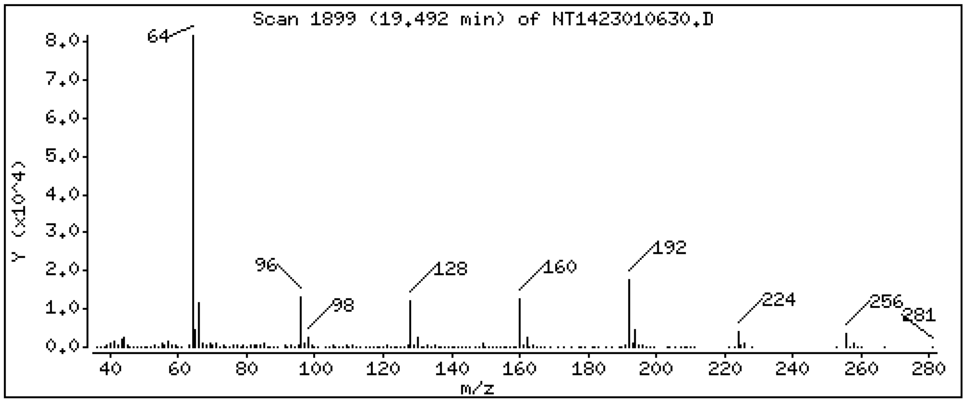
Client ID: Instrument: nt14.i

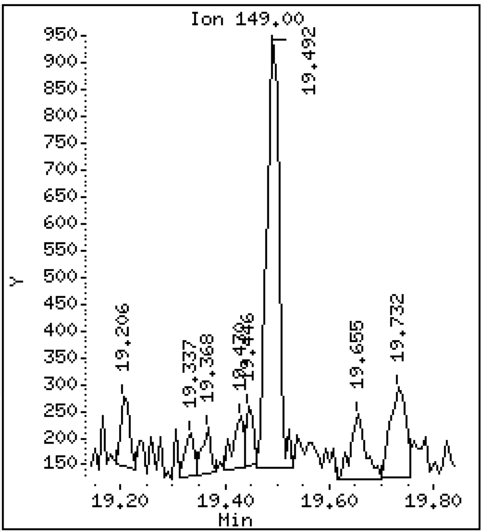
Sample Info: 22L0307-40

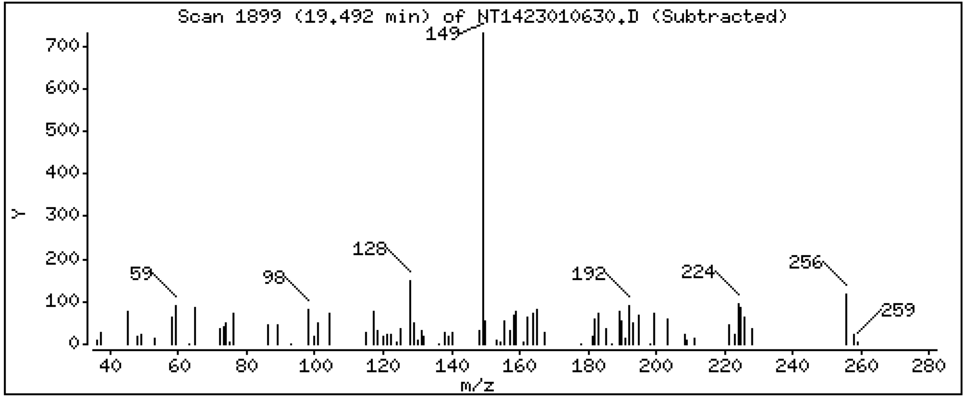
Operator: VTS

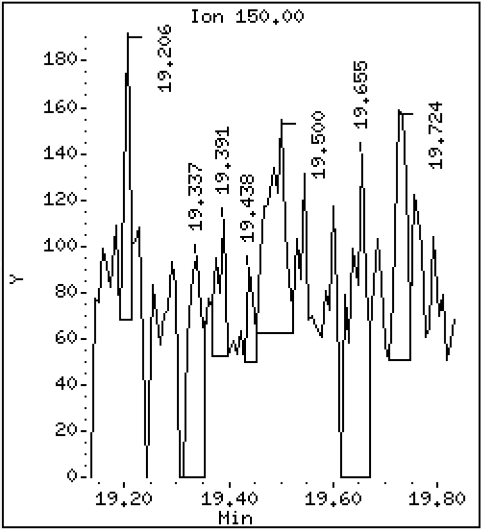
Column phase: ZB-5msi Column diameter: 0.25

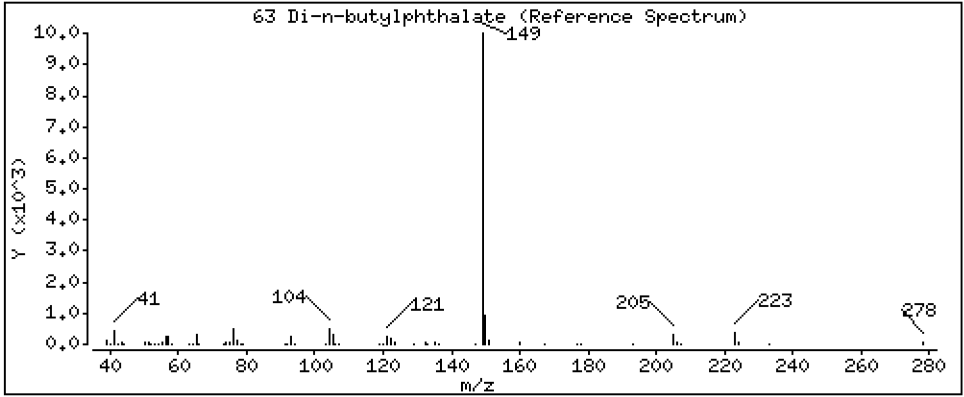
63 Di-n-butylphthalate Concentration: 0.01320 ug/mL

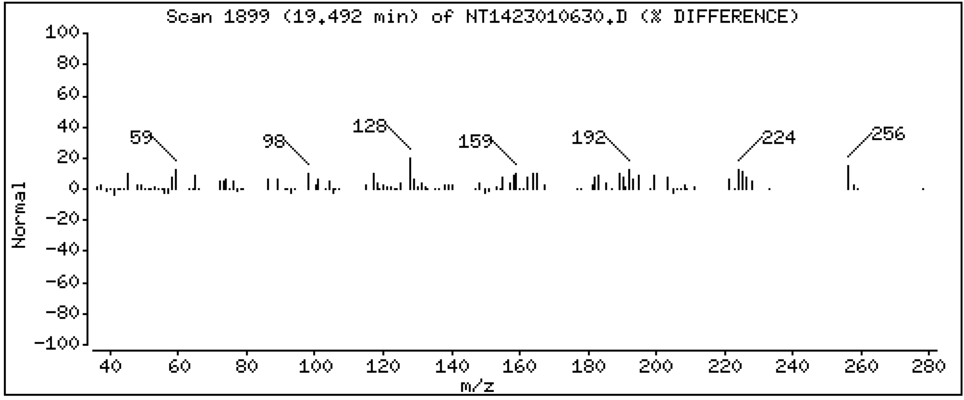


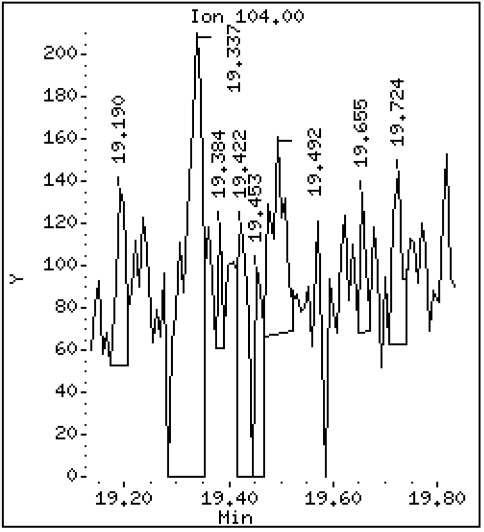












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Date : 07-JAN-2023 05:03

Client ID:

Instrument: nt14.i

Sample Info: 22L0307-40

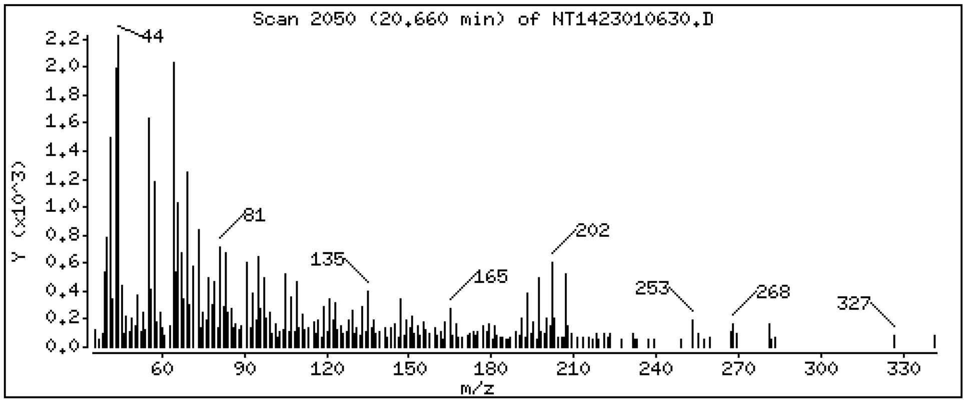
Operator: VTS

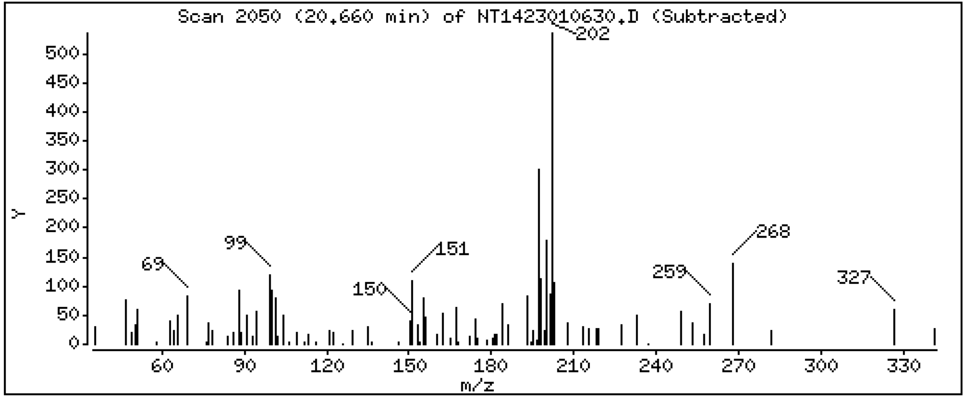
Column phase: ZB-5msi

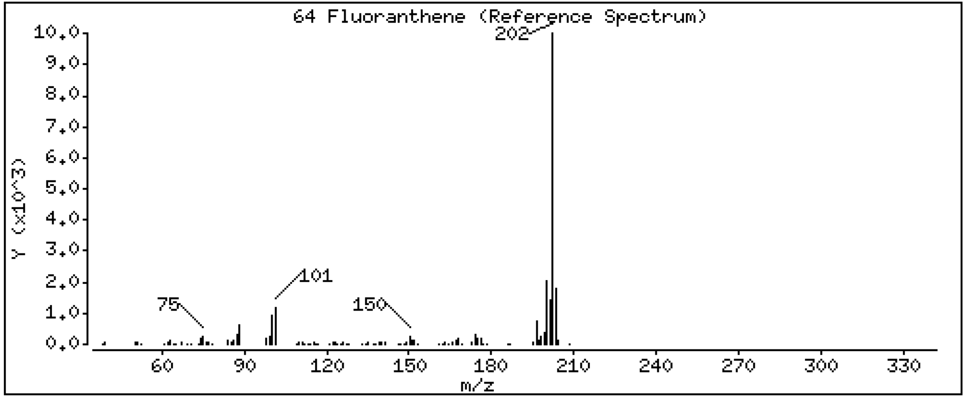
Column diameter: 0.25

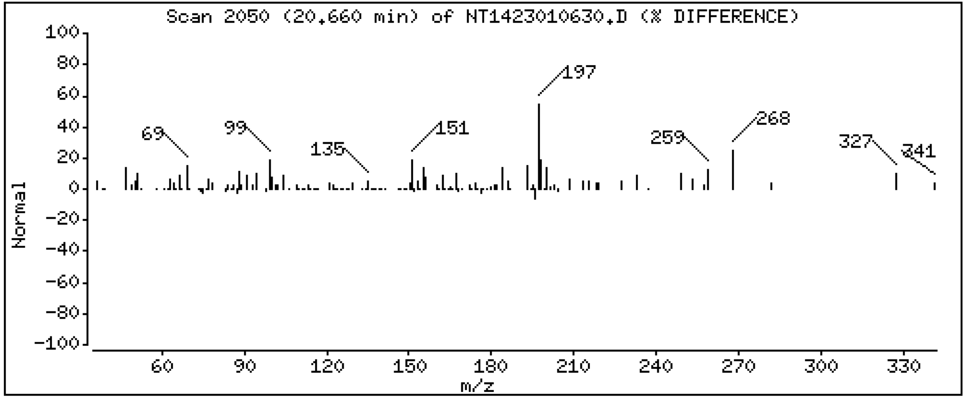
64 Fluoranthene

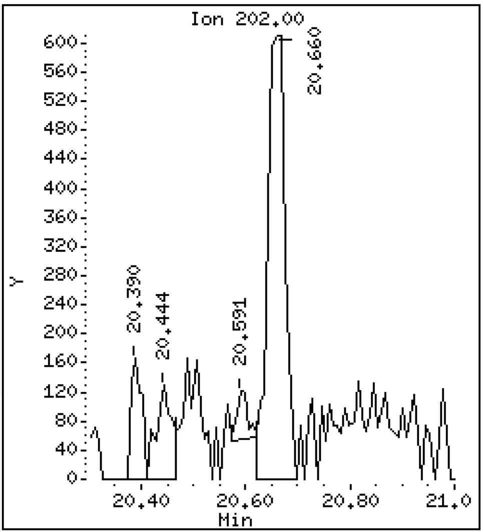
Concentration: 0.01719 ug/mL


Scan 2050 (20.660 min) of NT1423010630.D


Scan 2050 (20.660 min) of NT1423010630.D (Subtracted)


64 Fluoranthene (Reference Spectrum)


Scan 2050 (20.660 min) of NT1423010630.D (% DIFFERENCE)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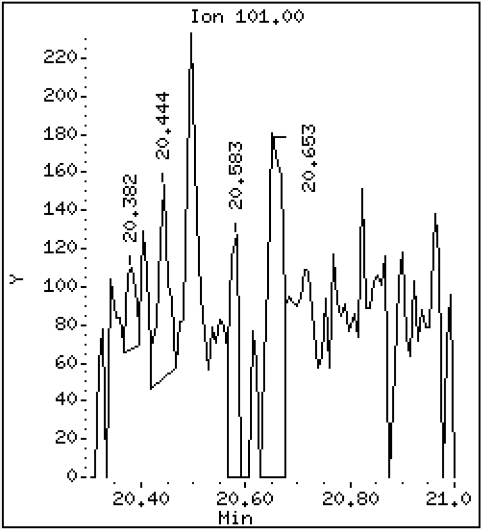
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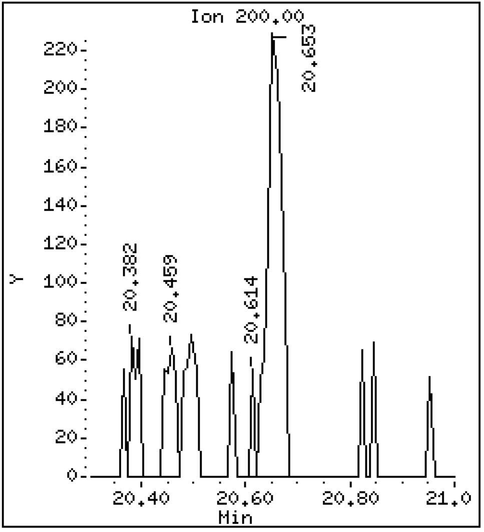
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Data File: \\target\share\chem3\nt14.i\20230106.b\NT1423010630.D Page 9

Date : 07-JAN-2023 05:03

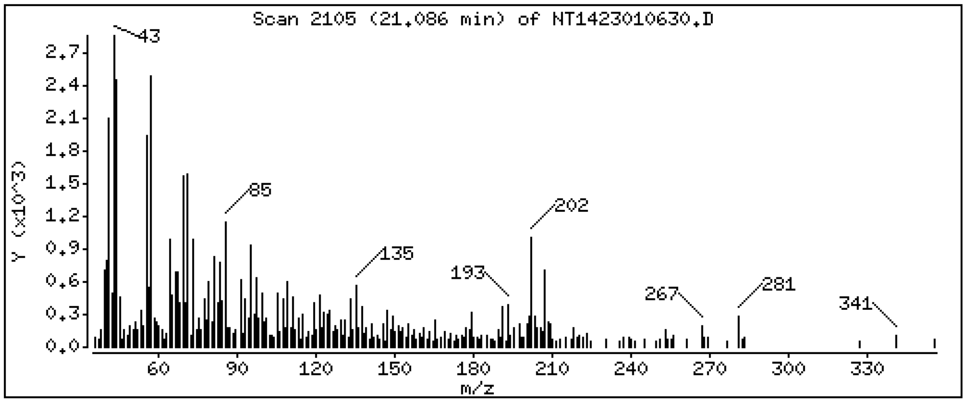
Client ID: Instrument: nt14.i

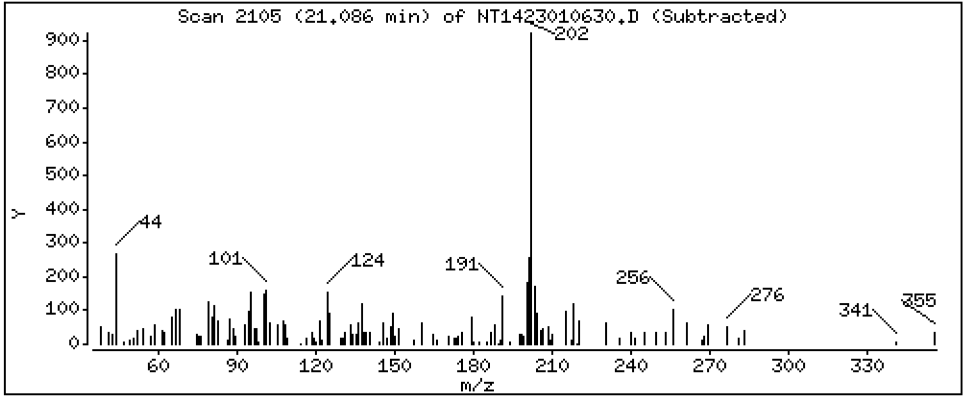
Sample Info: 22L0307-40

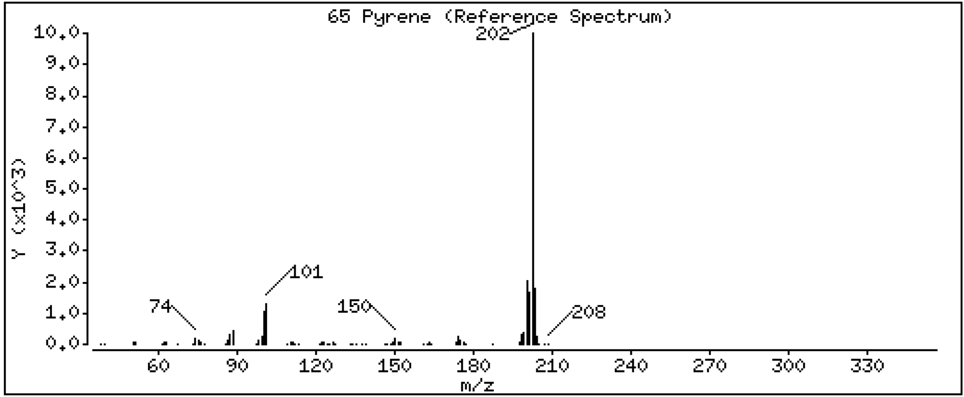
Operator: VTS

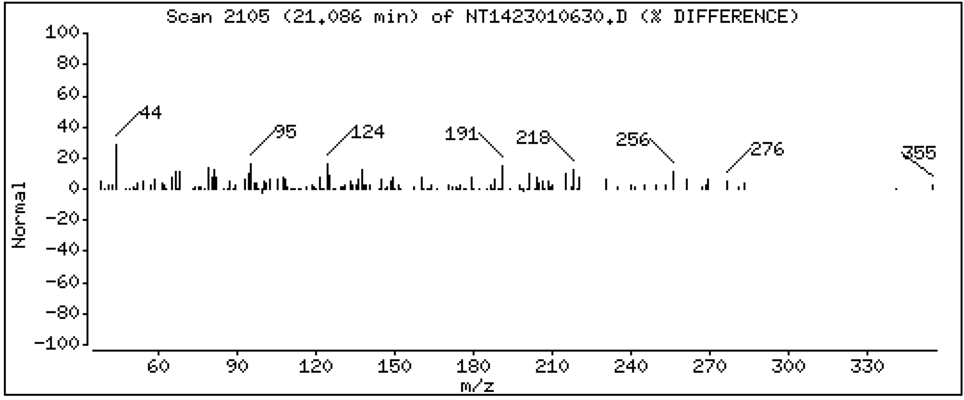
Column phase: ZB-5msi Column diameter: 0.25

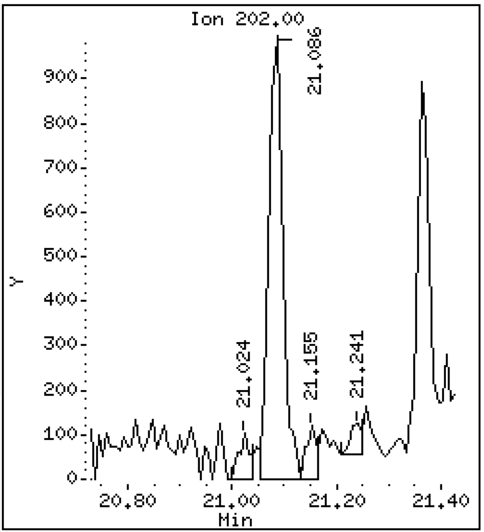
65 Pyrene Concentration: 0.02112 ug/mL


Scan 2105 (21.086 min) of NT1423010630.D


Scan 2105 (21.086 min) of NT1423010630.D (Subtracted)


65 Pyrene (Reference Spectrum)


Scan 2105 (21.086 min) of NT1423010630.D (% DIFFERENCE)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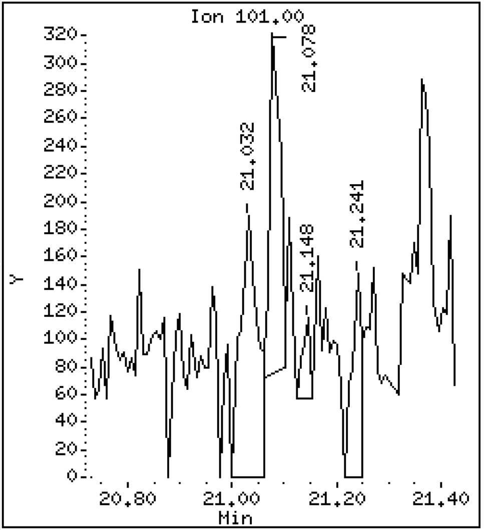
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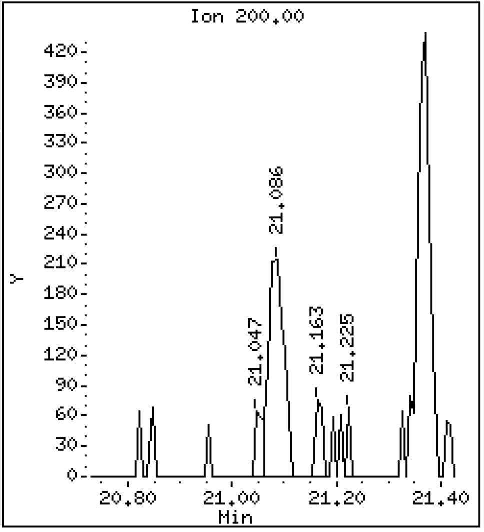
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Data File: \\target\share\chem3\nt14.i\20230106.b\NT1423010630.D

Date : 07-JAN-2023 05:03

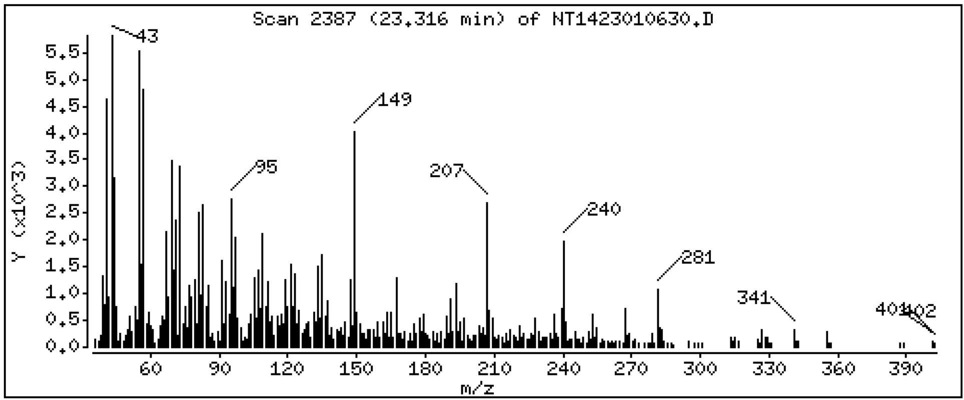
Client ID: Instrument: nt14.i

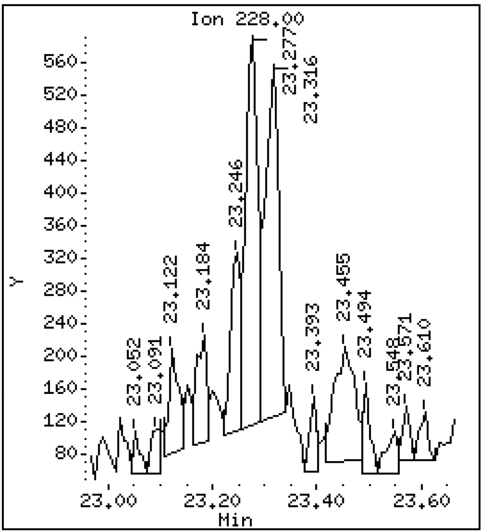
Sample Info: 22L0307-40

Operator: VTS

Column phase: ZB-5msi Column diameter: 0.25

71 Chrysene Concentration: 0.01083 ug/mL


Scan 2387 (23.316 min) of NT1423010630.D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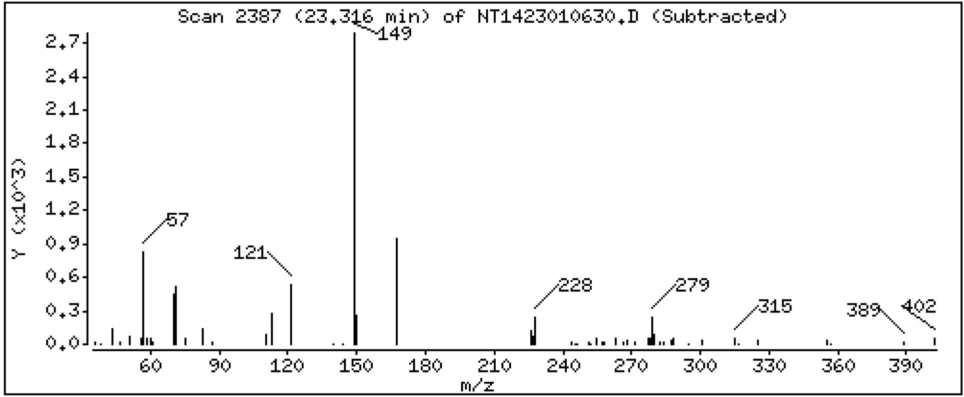
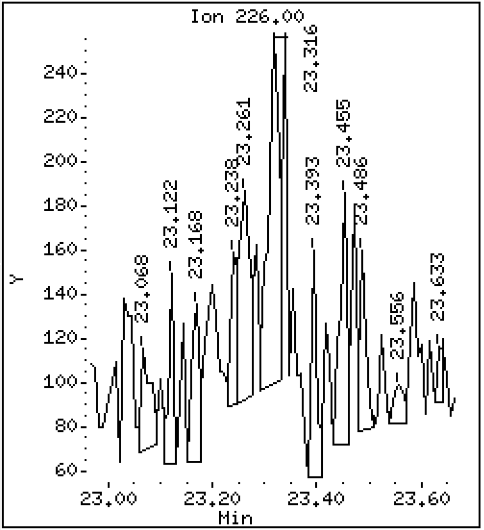

Scan 2387 (23.316 min) of NT1423010630.D (Subtracted)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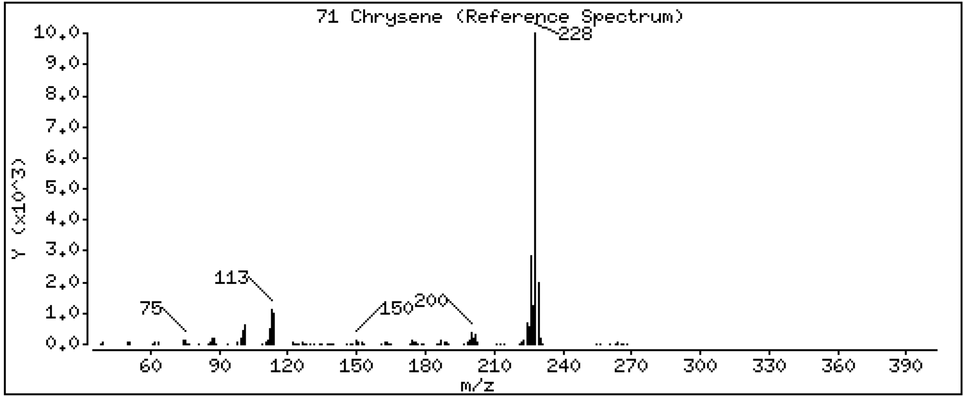
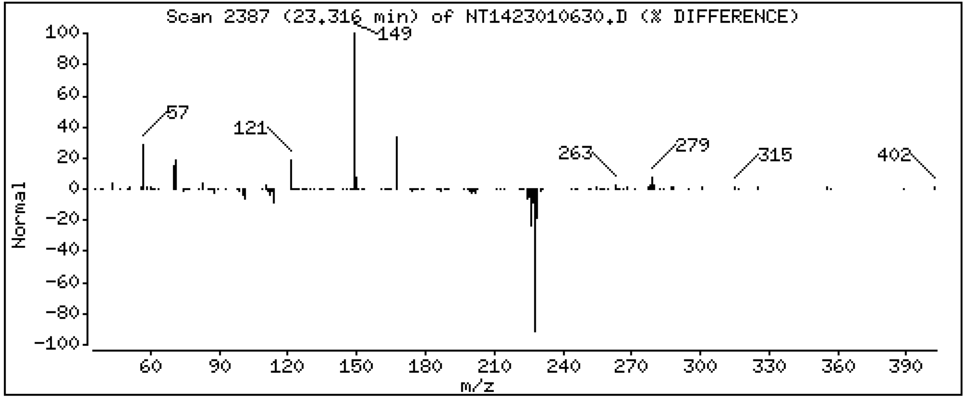
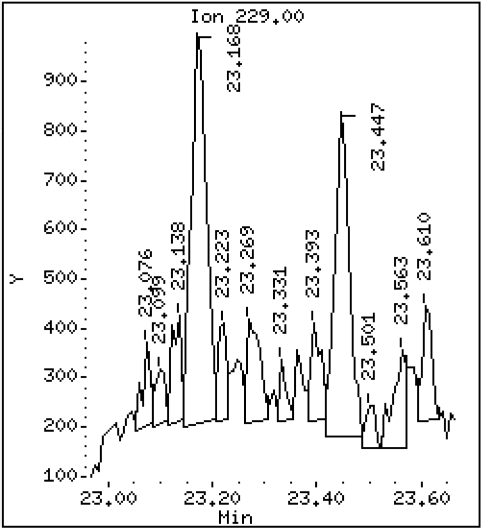

71 Chrysene (Reference Spectrum)


Scan 2387 (23.316 min) of NT1423010630.D (% DIFFERENCE)


Ion 229.00

Data File: \\target\share\chem3\nt14.i\20230106.b\NT1423010630.D

Date : 07-JAN-2023 05:03

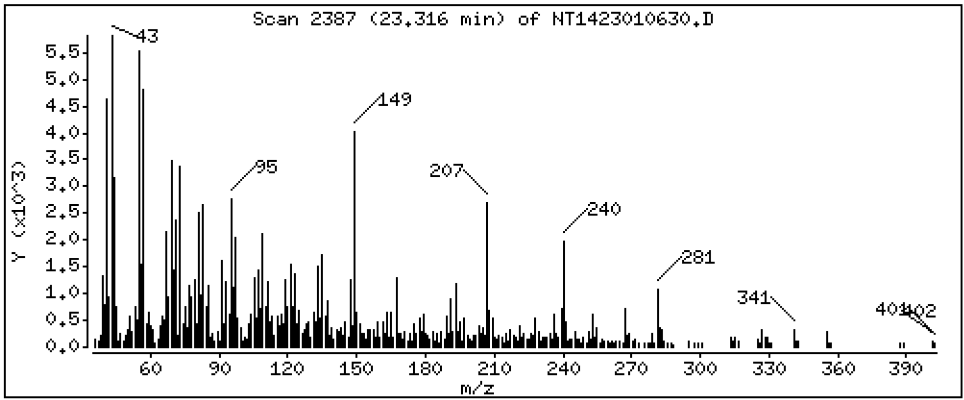
Client ID: Instrument: nt14.i

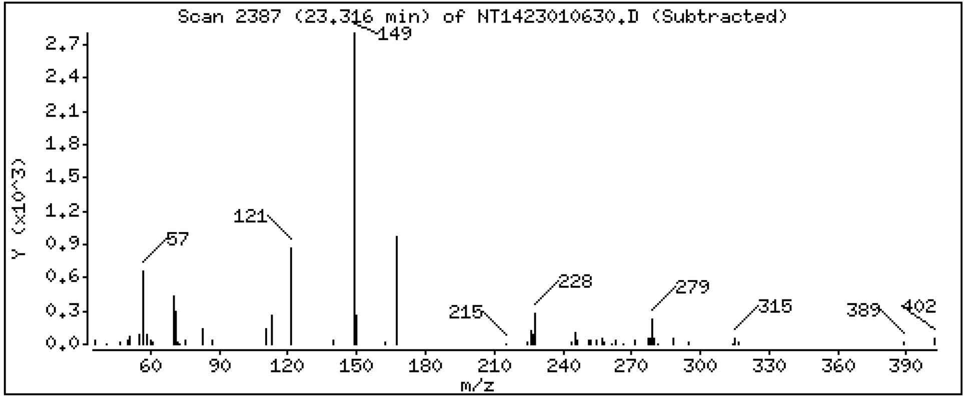
Sample Info: 22L0307-40

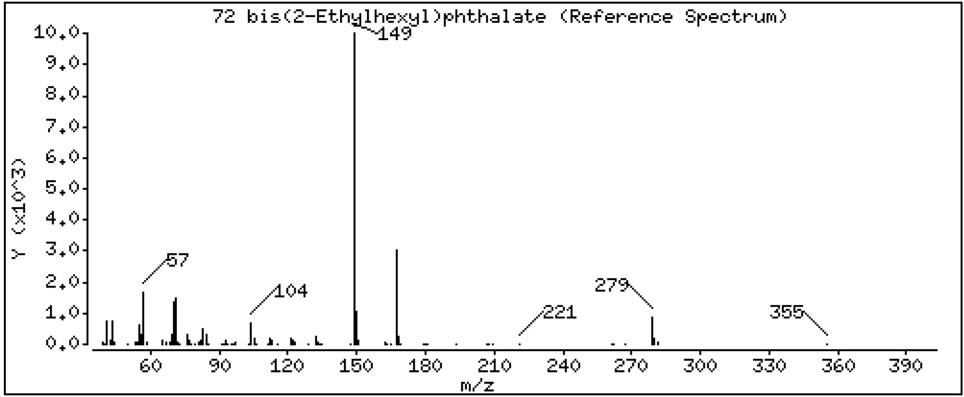
Operator: VTS

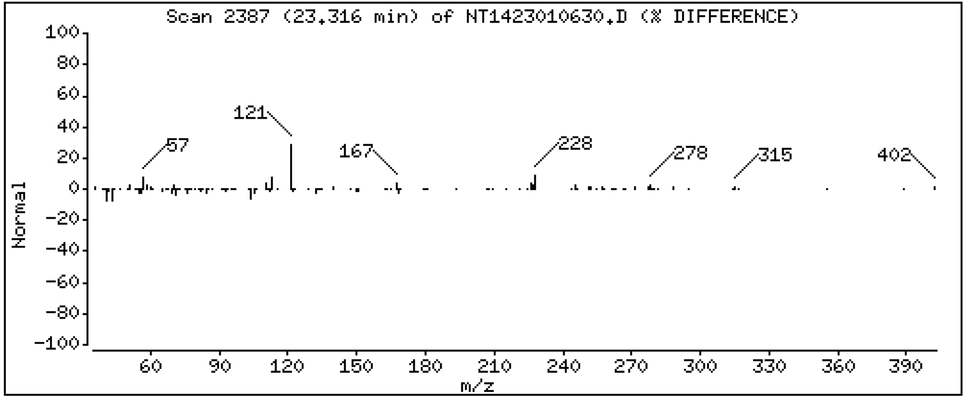
Column phase: ZB-5msi Column diameter: 0.25

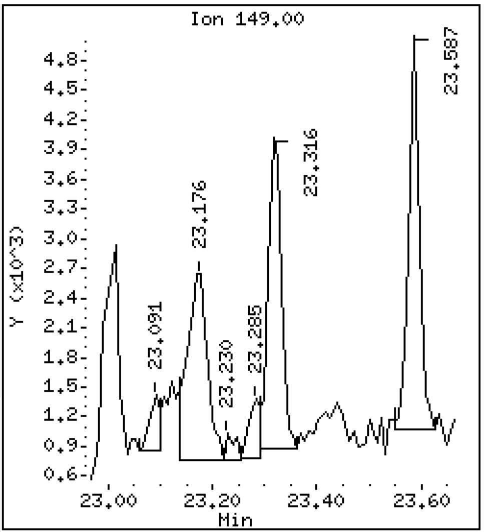
72 bis(2-Ethylhexyl)phthalate Concentration: 0.09366 ug/mL

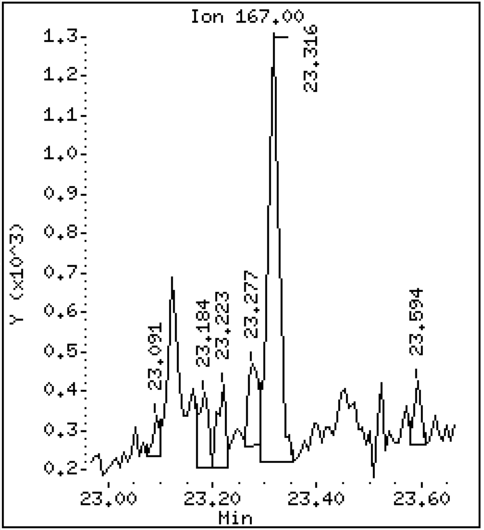

Scan 2387 (23.316 min) of NT1423010630.D

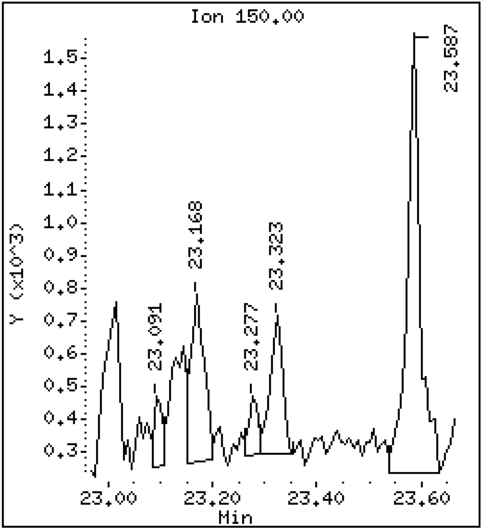

Scan 2387 (23.316 min) of NT1423010630.D (Subtracted)


72 bis(2-Ethylhexyl)phthalate (Reference Spectrum)


Scan 2387 (23.316 min) of NT1423010630.D (% DIFFERENCE)


Ion 149.00


Ion 167.00


Ion 150.00

Data File: \\target\share\chem3\nt14.i\20230106.b\NT1423010630.D

Date : 07-JAN-2023 05:03

Client ID:

Instrument: nt14.i

Sample Info: 22L0307-40

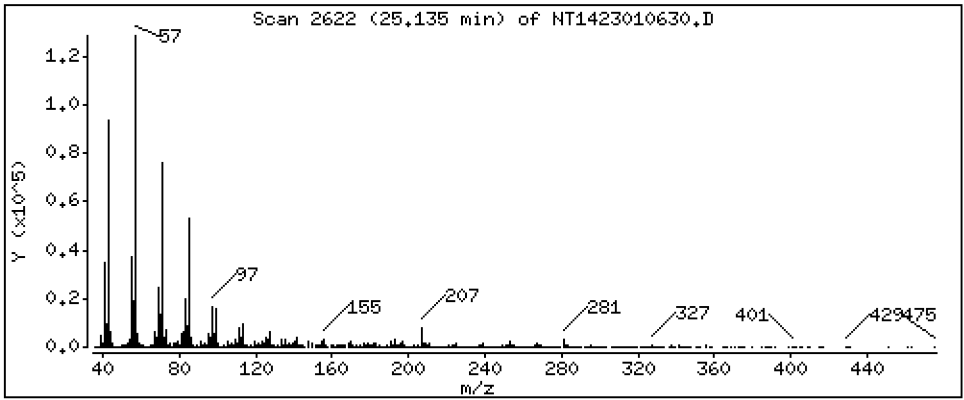
Operator: VTS

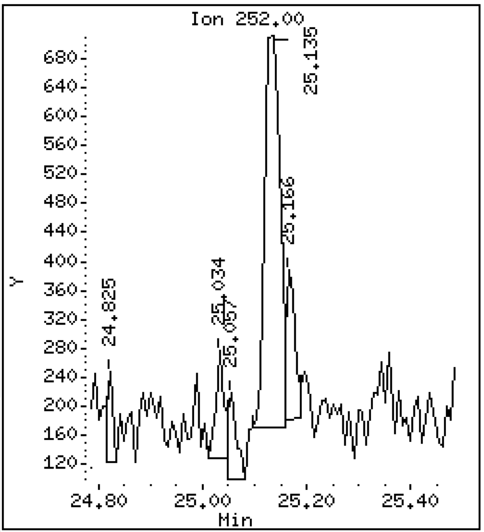
Column phase: ZB-5msi

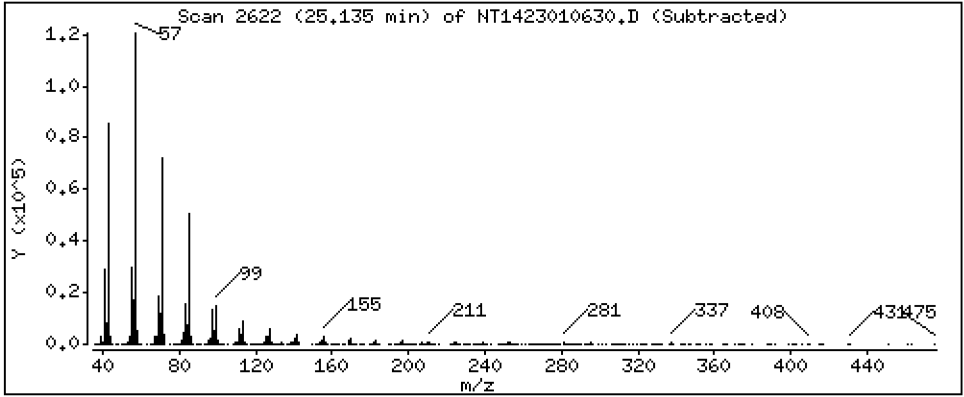
Column diameter: 0.25

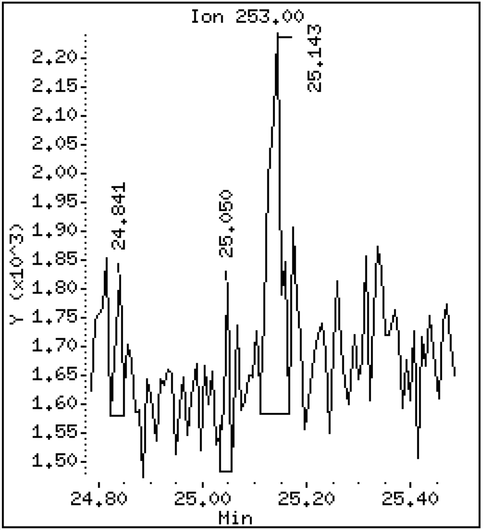
74 Benzo(b)fluoranthene

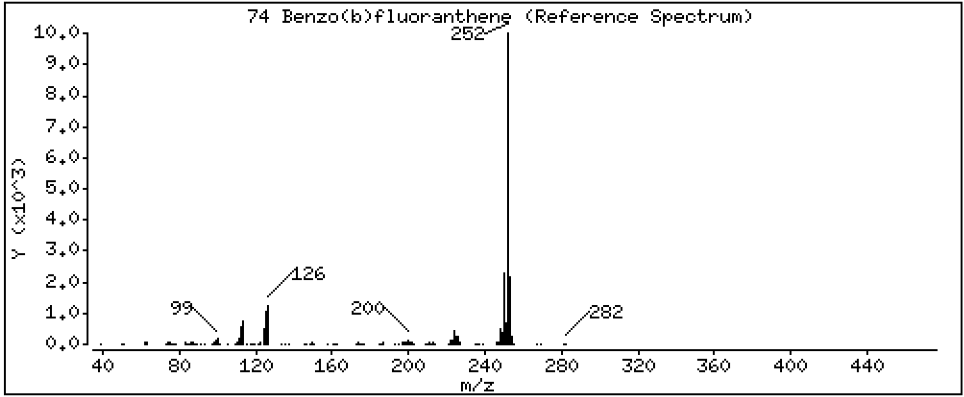
Concentration: 0.01202 ug/mL

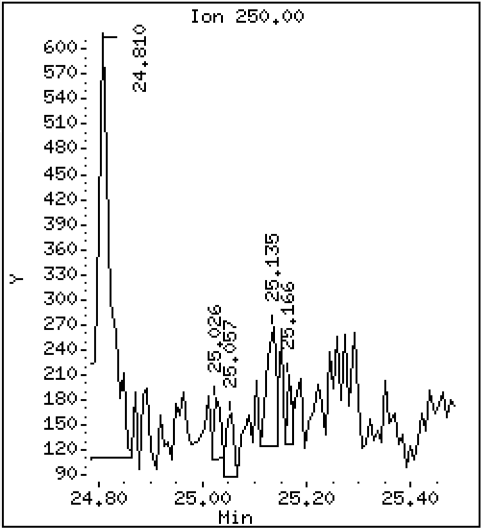


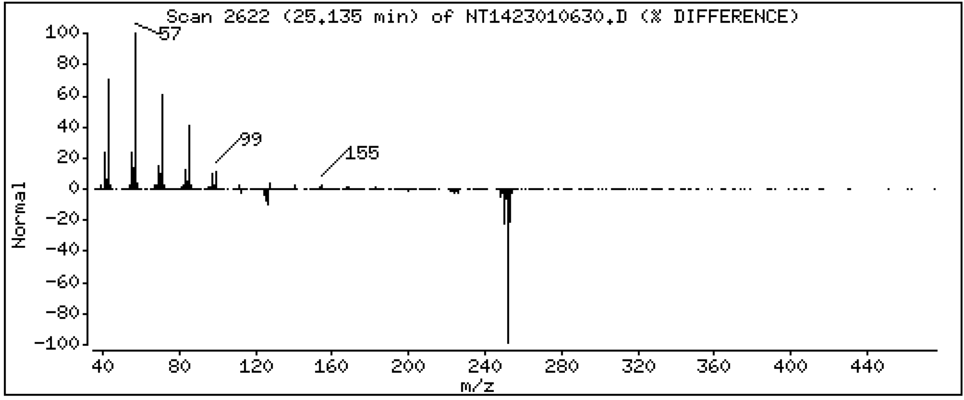












Data File: \\target\share\chem3\nt14.i\20230106.b\NT1423010630.D

Date : 07-JAN-2023 05:03

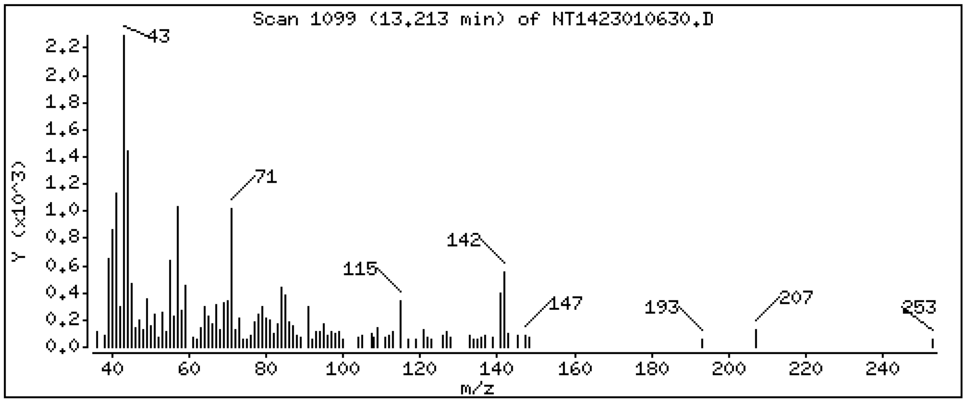
Client ID: Instrument: nt14.i

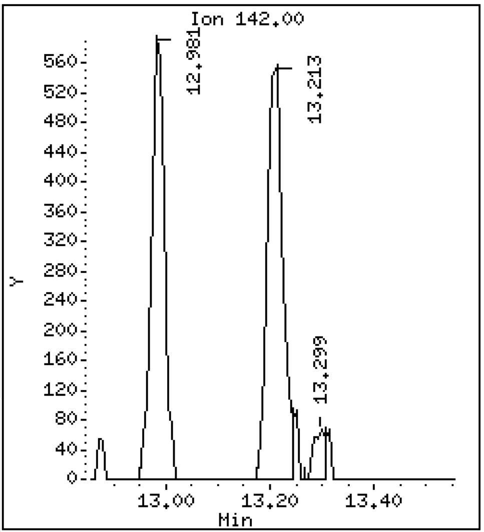
Sample Info: 22L0307-40

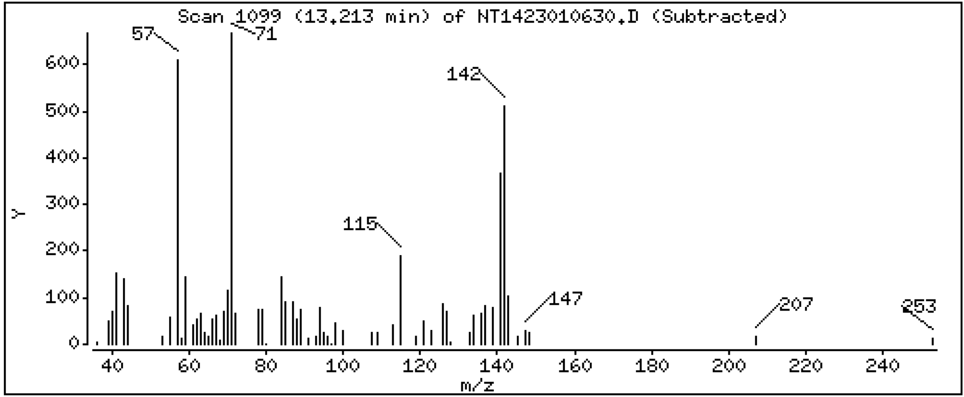
Operator: VTS

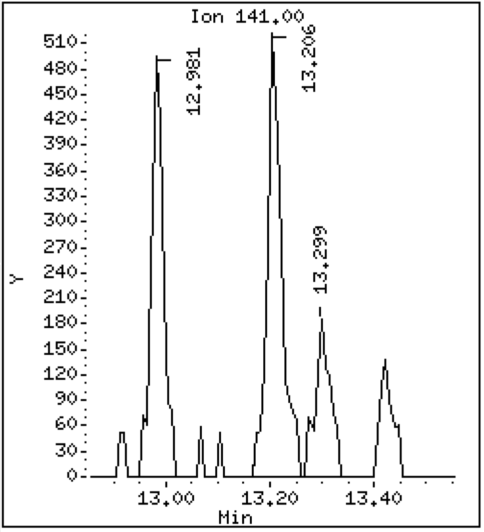
Column phase: ZB-5msi Column diameter: 0.25

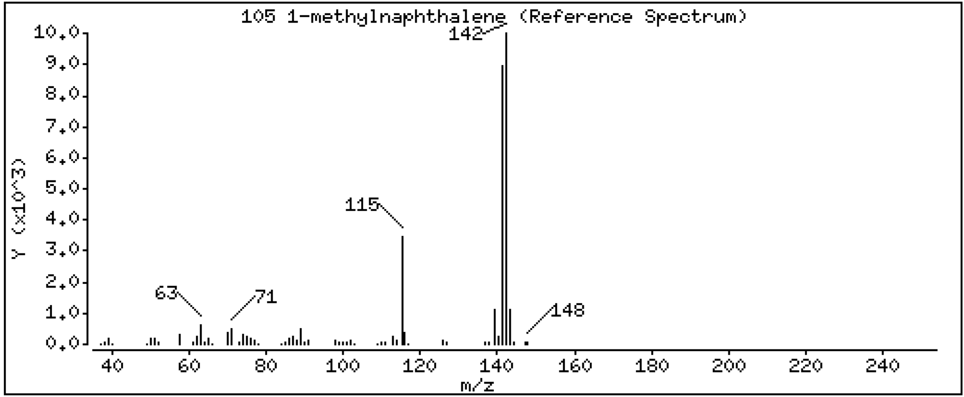
105 1-methylnaphthalene Concentration: 0.01543 ug/mL

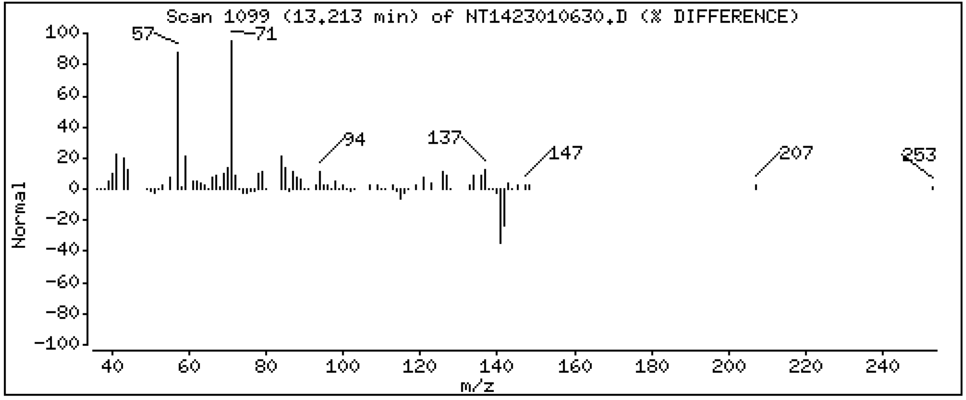

Scan 1099 (13.213 min) of NT1423010630.D


Ion 142.00


Scan 1099 (13.213 min) of NT1423010630.D (Subtracted)


Ion 141.00


105 1-methylnaphthalene (Reference Spectrum)


Scan 1099 (13.213 min) of NT1423010630.D (% DIFFERENCE)

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                        ARI Labs, Inc.

             Semivolatile Report SW846 Method 8270D
Data file : \\target\share\chem3\nt14.i\20230106.b\NT1423010630.D
Lab Smp Id: 22L0307-40
Inj Date  : 07-JAN-2023 05:03           MS Autotune Date: 17-MAY-2011 01:22
Operator  : VTS                         Inst ID: nt14.i
Smp Info  : 22L0307-40
Misc Info :
Comment   : 1ul Injection
Method    : \\target\share\chem3\nt14.i\20230106.b\ABN.m
Meth Date : 12-Jan-2023 08:12 van       Quant Type: ISTD
Cal Date  : 30-DEC-2022 11:07           Cal File: NT1422123007.D
Als bottle: 27
Dil Factor: 1.00000
Integrator: HP RTE                      Compound Sublist: ICAL.sub
Target Version:  4.14
Processing Host: VANS-201906

                                                                                         CONCENTRATIONS
                                      QUANT SIG                                       ON-COLUMN    FINAL
Compounds                              MASS          RT   EXP RT   REL RT  RESPONSE    (ug/mL)    (ug/mL)
==========================             ====        ==== ======== ======== ========    =======    =======
$   1 2-Fluorophenol                    112        6.819   6.811 (0.754)     202757    5.66923      5.669
$   2 Phenol-d5                          99        8.410   8.403 (0.930)     259181    5.86404      5.864
    3 Phenol                             94           Compound Not Detected.
$   5 2-Chlorophenol-d4                 132        8.681   8.673 (0.960)     232760    6.27052      6.271
    4 Bis(2-Chloroethyl)ether            93           Compound Not Detected.
    6 2-Chlorophenol                    128           Compound Not Detected.
    7 1,3-Dichlorobenzene               146           Compound Not Detected.
*   8 1,4-Dichlorobenzene-d4            152        9.045   9.037 (1.000)     111634    4.00000
    9 1,4-Dichlorobenzene               146           Compound Not Detected.
$  10 1,2-Dichlorobenzene-d4            152        9.402   9.401 (1.039)     100169    3.94825      3.948
   12 1,2-Dichlorobenzene               146           Compound Not Detected.
   11 Benzyl alcohol                    108           Compound Not Detected.
   14 2,2'-oxybis(1-Chloropropane)      121           Compound Not Detected.
   13 2-Methylphenol                    108           Compound Not Detected.
   17 Hexachloroethane                  117           Compound Not Detected.
   16 N-Nitroso-di-n-propylamine         70           Compound Not Detected.
   15 4-Methylphenol                    108           Compound Not Detected.
$  18 Nitrobenzene-d5                   82        10.131  10.131 (0.878)     172885    4.89233      4.892
   19 Nitrobenzene                      77         9.836  10.170 (0.852)       6433    0.18330     0.1833
   20 Isophorone                         82           Compound Not Detected.
   21 2-Nitrophenol                     139           Compound Not Detected.
   22 2,4-Dimethylphenol                107           Compound Not Detected.
   23 Bis(2-Chloroethoxy)methane         93           Compound Not Detected.
   24 Benzoic acid                      105           Compound Not Detected.
   25 2,4-Dichlorophenol                162           Compound Not Detected.
   26 1,2,4-Trichlorobenzene            180           Compound Not Detected.
*  27 Naphthalene-d8                    136       11.542  11.534 (1.000)     418478    4.00000
   28 Naphthalene                       128       11.581  11.581 (1.003)       1730    0.01680    0.01680
   29 4-Chloroaniline                   127           Compound Not Detected.
   30 Hexachlorobutadiene               225           Compound Not Detected.
   31 4-Chloro-3-methylphenol           107           Compound Not Detected.
   32 2-Methylnaphthalene               142       12.981  12.981 (1.125)        995    0.01317    0.01317
   33 Hexachlorocyclopentadiene         237           Compound Not Detected.
```

```
                                                                                              CONCENTRATIONS
                                      QUANT SIG                                            ON-COLUMN    FINAL
Compounds                               MASS          RT   EXP RT   REL RT  RESPONSE     (ug/mL)     (ug/mL)
==========================              ====          ==== ======== ======== ========     =======     =======
   34 2,4,6-Trichlorophenol               196            Compound Not Detected.
   35 2,4,5-Trichlorophenol               196            Compound Not Detected.
$  36 2-Fluorobiphenyl                   172        13.770  13.770 (0.908)     309975    4.37414      4.374
   37 2-Chloronaphthalene                 162            Compound Not Detected.
   38 2-Nitroaniline                       65            Compound Not Detected.
   39 Dimethylphthalate                   163            Compound Not Detected.
   40 Acenaphthylene                      152            Compound Not Detected.
   41 2,6-Dinitrotoluene                  165            Compound Not Detected.
*  42 Acenaphthene-d10                   164        15.171  15.171 (1.000)     210770    4.00000            (H)
   43 3-Nitroaniline                      138            Compound Not Detected.
   44 Acenaphthene                        153            Compound Not Detected.
   45 2,4-Dinitrophenol                   184            Compound Not Detected.
   46 Dibenzofuran                        168            Compound Not Detected.
   47 4-Nitrophenol                       109            Compound Not Detected.
   48 2,4-Dinitrotoluene                  165            Compound Not Detected.
   50 Diethylphthalate                   149        16.129  16.137 (1.063)      17333    0.21454     0.2145
   49 Fluorene                            166            Compound Not Detected.
   51 4-Chlorophenyl-phenylether          204            Compound Not Detected.
   52 4-Nitroaniline                      138            Compound Not Detected.
   53 4,6-Dinitro-2-methylphenol          198            Compound Not Detected.
   54 N-Nitrosodiphenylamine              169            Compound Not Detected.
$  55 2,4,6-Tribromophenol               330        16.816  16.816 (1.108)      58069    5.70663      5.707
   56 4-Bromophenyl-phenylether           248            Compound Not Detected.
   57 Hexachlorobenzene                   284            Compound Not Detected.
   58 Pentachlorophenol                   266            Compound Not Detected.
*  59 Phenanthrene-d10                   188        18.223  18.215 (1.000)     348220    4.00000
   60 Phenanthrene                       178        18.269  18.269 (1.003)       2589    0.02852    0.02852
   61 Anthracene                          178            Compound Not Detected.
   62 Carbazole                           167            Compound Not Detected.
   63 Di-n-butylphthalate                149        19.492  19.491 (1.070)       1247    0.01320    0.01320
   64 Fluoranthene                       202        20.660  20.652 (0.888)       1395    0.01719    0.01719
   65 Pyrene                             202        21.085  21.077 (0.906)       1802    0.02112    0.02112
$  66 Terphenyl-d14                      244        21.372  21.364 (0.918)     294415    4.86625      4.866
   67 Butylbenzylphthalate                149            Compound Not Detected.
   68 Benzo(a)anthracene                  228            Compound Not Detected.
*  69 Chrysene-d12                       240        23.276  23.276 (1.000)     252041    4.00000
   70 3,3'-Dichlorobenzidine              252            Compound Not Detected.
   71 Chrysene                           228        23.315  23.315 (1.002)        781    0.01083    0.01083
   72 bis(2-Ethylhexyl)phthalate         149        23.315  23.315 (0.959)       5374    0.09366    0.09366
* 134 Di-n-octylphthalate-d4             153        24.306  24.298 (1.000)     516666    4.00000
   73 Di-n-octylphthalate                 149            Compound Not Detected.
   74 Benzo(b)fluoranthene               252        25.134  25.134 (0.970)       1071    0.01202    0.01202
   75 Benzo(k)fluoranthene                252            Compound Not Detected.
   76 Benzo(a)pyrene                      252            Compound Not Detected.
*  77 Perylene-d12                       264        25.909  25.901 (1.000)     283554    4.00000
   78 Indeno(1,2,3-cd)pyrene              276            Compound Not Detected.
   79 Dibenzo(a,h)anthracene              278            Compound Not Detected.
   80 Benzo(g,h,i)perylene                276            Compound Not Detected.
   90 N-Nitrosodimethylamine               74            Compound Not Detected.
   91 Aniline                              93            Compound Not Detected.
   93 Benzidine                           184            Compound Not Detected.
  103 Pyridine                             79            Compound Not Detected.
  105 1-methylnaphthalene                142        13.213  13.205 (1.145)       1120    0.01543    0.01543
  111 Azobenzene (1,2-DP-Hydrazine)        77            Compound Not Detected.
```

Data File: \\target\share\chem3\nt14.i\20230106.b\NT1423010630.D Page 3
Report Date: 12-Jan-2023 08:16

```
                                                                                        CONCENTRATIONS
                                     QUANT SIG                                        ON-COLUMN    FINAL
Compounds                             MASS          RT   EXP RT   REL RT  RESPONSE     (ug/mL)    (ug/mL)
==========================            ====          ==== ======== ======== ========    =======    =======
  187 Total Benzofluoranthenes          252           Compound Not Detected.
  120 2,3,4,6-Tetrachlorophenol         232           Compound Not Detected.
```

QC Flag Legend

H - Operator selected an alternate compound hit.

```
Data File: \\target\share\chem3\nt14.i\20230106.b\NT1423010630.D Page 1
Report Date: 12-Jan-2023 08:16

                                ARI Labs, Inc.

                          INTERNAL STANDARD COMPOUNDS
                              AREA AND RT SUMMARY

Instrument ID: nt14.i                          Calibration Date: 06-JAN-2023
Lab File ID: NT1423010630.D                    Calibration Time: 22:27
Lab Smp Id: 22L0307-40
Analysis Type: SV                                    Level:
Quant Type: ISTD                               Sample Type:
Operator: VTS
Method File: \\target\share\chem3\nt14.i\20230106.b\ABN.m
Misc Info:

Test Mode:
           Use Last Continuing Calibrator.

 ______________________________________________________________________________
|                      |          |      AREA LIMIT       |          |       |
| COMPOUND             | STANDARD |   LOWER   |   UPPER   |  SAMPLE  | %DIFF |
|======================|==========|==========|==========|==========|=======|
|  8 1,4-Dichlorobenze |   114022 |    57011 |   228044 |   111634 | -2.09 |
| 27 Naphthalene-d8    |   420653 |   210327 |   841306 |   418478 | -0.52 |
| 42 Acenaphthene-d10  |   216802 |   108401 |   433604 |   210770 | -2.78 |
| 59 Phenanthrene-d10  |   366121 |   183061 |   732242 |   348220 | -4.89 |
| 69 Chrysene-d12      |   276883 |   138442 |   553766 |   252041 | -8.97 |
|134 Di-n-octylphthala |   540641 |   270321 |  1081282 |   516666 | -4.43 |
| 77 Perylene-d12      |   308305 |   154153 |   616610 |   283554 | -8.03 |
|______________________|__________|__________|__________|__________|_______|


 ______________________________________________________________________________
|                      |          |       RT LIMIT        |          |       |
| COMPOUND             | STANDARD |   LOWER   |   UPPER   |  SAMPLE  | %DIFF |
|======================|==========|==========|==========|==========|=======|
|  8 1,4-Dichlorobenze |     9.04 |     8.54 |     9.54 |     9.05 |  0.09 |
| 27 Naphthalene-d8    |    11.53 |    11.03 |    12.03 |    11.54 |  0.07 |
| 42 Acenaphthene-d10  |    15.17 |    14.67 |    15.67 |    15.17 |  0.00 |
| 59 Phenanthrene-d10  |    18.22 |    17.72 |    18.72 |    18.22 |  0.04 |
| 69 Chrysene-d12      |    23.28 |    22.78 |    23.78 |    23.28 |  0.00 |
|134 Di-n-octylphthala |    24.30 |    23.80 |    24.80 |    24.31 |  0.03 |
| 77 Perylene-d12      |    25.90 |    25.40 |    26.40 |    25.91 |  0.03 |
|______________________|__________|__________|__________|__________|_______|

AREA UPPER LIMIT = +100% of internal standard area.
AREA LOWER LIMIT = - 50% of internal standard area.
RT UPPER LIMIT = + 0.50 minutes of internal standard RT.
RT LOWER LIMIT = - 0.50 minutes of internal standard RT.
```

```
REVIEW SUMMARY FOR FILE - NT1423010630.D

Lab ID: 22L0307-40
nt14.i,  20230106.b\ABN.m,    07-JAN-2023 05:03

     RT      CO-ELUTION COMPOUNDS
---------------------------------------------------------------------------

            NO CO-ELUTIONS


Quant Method: ICAL



        RRT CHECK

   RRT    CCV RRT   DELTA    COMPOUND
 -------------------------------------

  0.852    0.882   -0.0295   Nitrobenzene

  RRT check based on Ccal File: NT1423010619.D


 On Column LOD for nt14.i, 20230106.b\ABN.m, ICAL.sub = 0.0000


 * Only compounds listed in the work order have been verified by the analyst *
```

LDW22-SC804G

Form I
ORGANIC ANALYSIS DATA SHEET
EPA 8270E
Semivolatiles (20ug/kg - 0.2ug/L SepF)

Laboratory: Analytical Resources, LLC

Client: Anchor QEA, LLC

Project: AOC4 UR Phase 3

Matrix:	Sediment	Laboratory ID:	22L0307-41 B	SDG:	22L0307
Sampled:	12/12/22 11:18	Prepared:	12/27/22 11:08	File ID:	NT1423010631.D
% Solids:	70.76	Preparation:	EPA 3546 (Microwave)	Analyzed:	01/07/23 05:39
Batch:	BKL0585	Sequence:	SLA0068	Initial/Final:	14.15 g Wet / 1 mL
Instrument:	NT14	Column:	ZB-5MS	Calibration:	FL00066

CAS NO.	COMPOUND	DILUTION	CONC: (ug/kg dry)	Q	DL	RL
85-68-7	Butylbenzylphthalate	1	20.0	U	9.4	20.0

SURROGATES	ADDED: (ug/kg dry)	FOUND: (ug/kg dry)	% REC	QC LIMITS	Q
p-Terphenyl-d14	499.37	486	97.3	37 - 120	

Data File: \\target\share\chem3\nt14.i\20230106.b\NT1423010631.D

Date : 07-JAN-2023 05:39

Client ID:

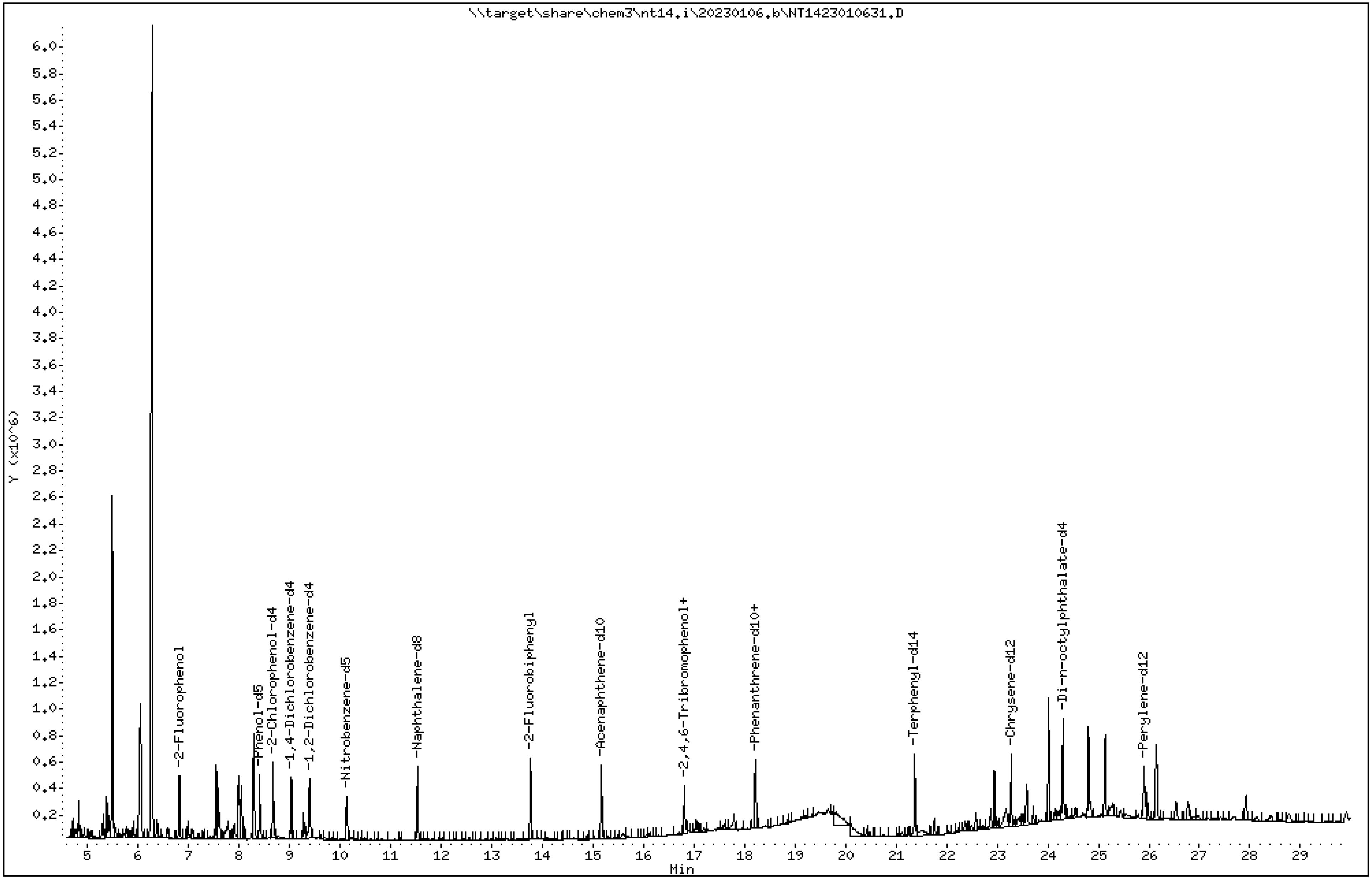
Instrument: nt14.i

Sample Info: 22L0307-41

Operator: VTS

Column phase: ZB-5msi

Column diameter: 0.25



Data File: \\target\share\chem3\nt14.i\20230106.b\NT1423010631.D

Date : 07-JAN-2023 05:39

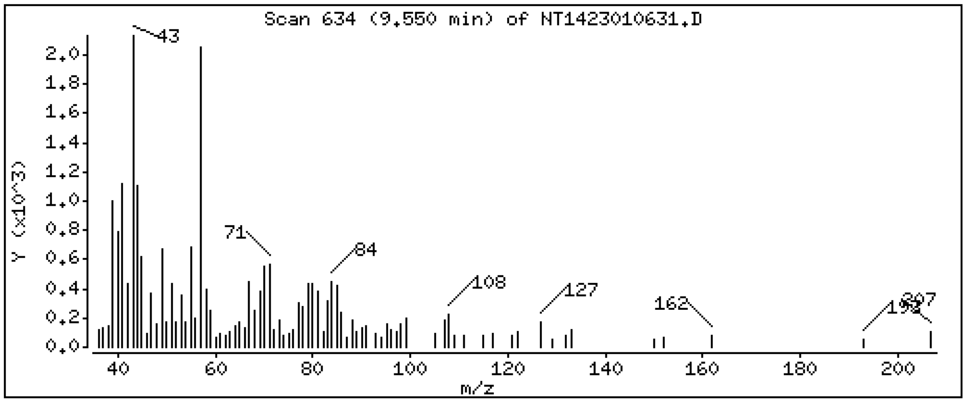
Client ID: Instrument: nt14.i

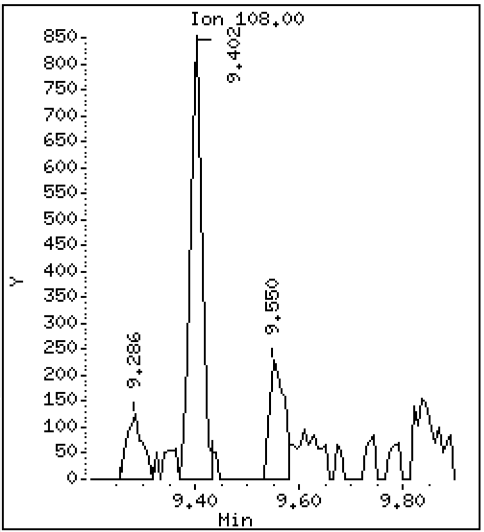
Sample Info: 22L0307-41

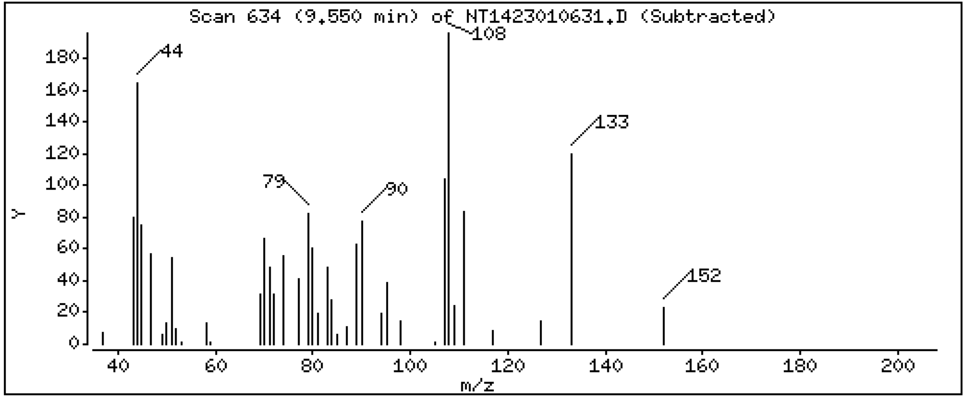
Operator: VTS

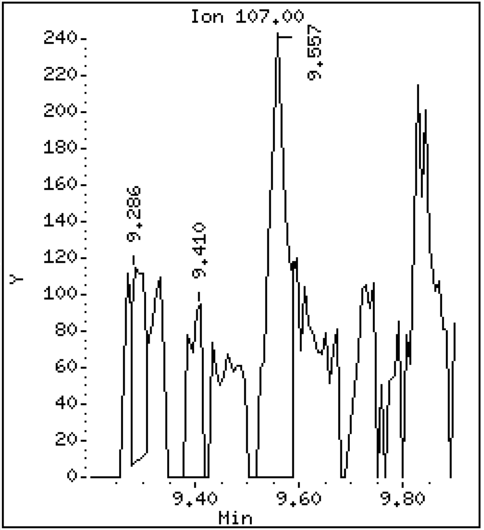
Column phase: ZB-5msi Column diameter: 0.25

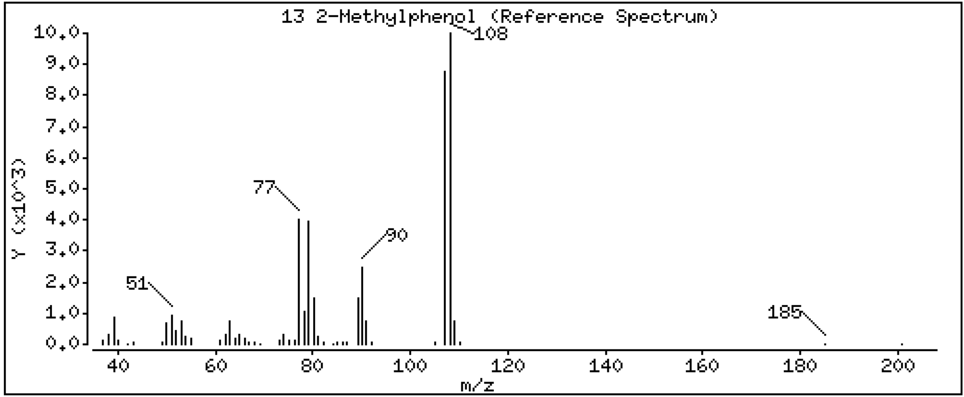
13 2-Methylphenol Concentration: 0.01182 ug/mL

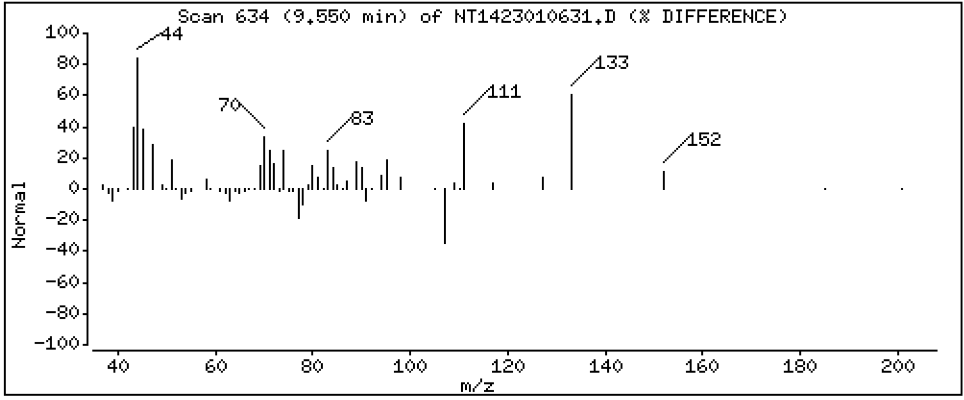


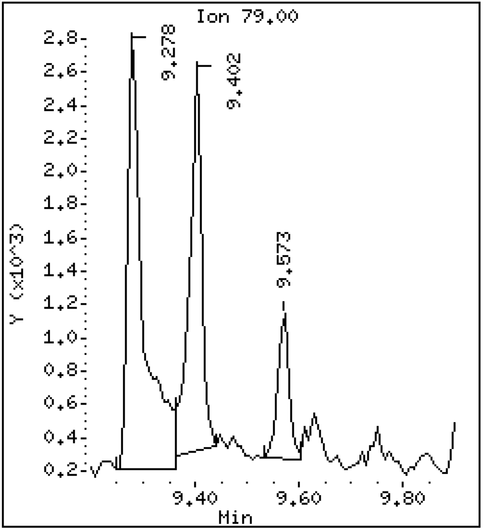












Data File: \\target\share\chem3\nt14.i\20230106.b\NT1423010631.D

Date : 07-JAN-2023 05:39

Client ID:

Instrument: nt14.i

Sample Info: 22L0307-41

Operator: VTS

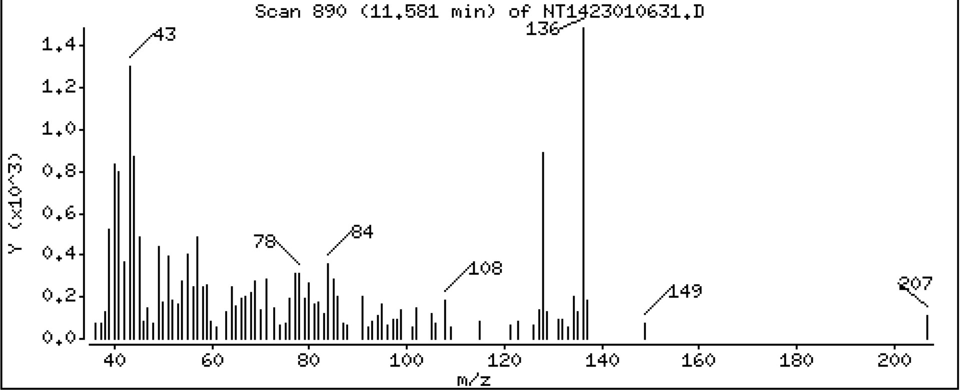
Column phase: ZB-5msi

Column diameter: 0.25

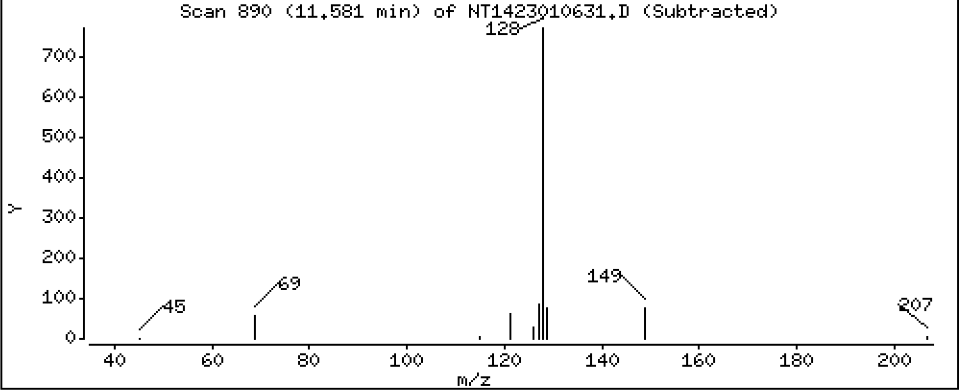
28 Naphthalene

Concentration: 0.01417 ug/mL

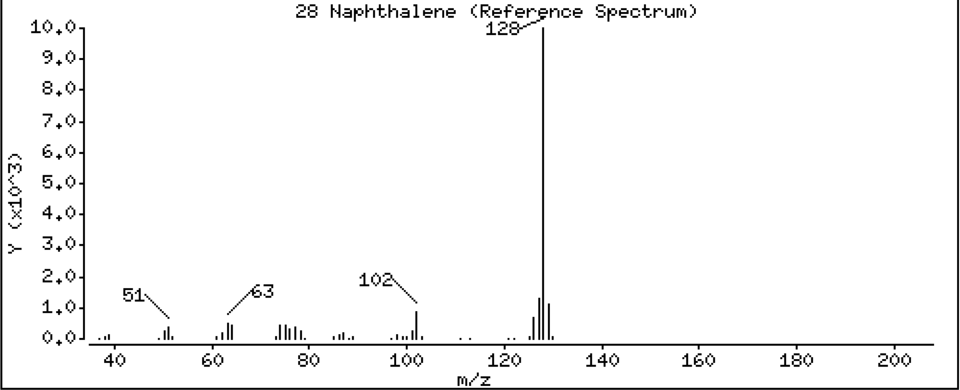
Scan 890 (11.581 min) of NT1423010631.D



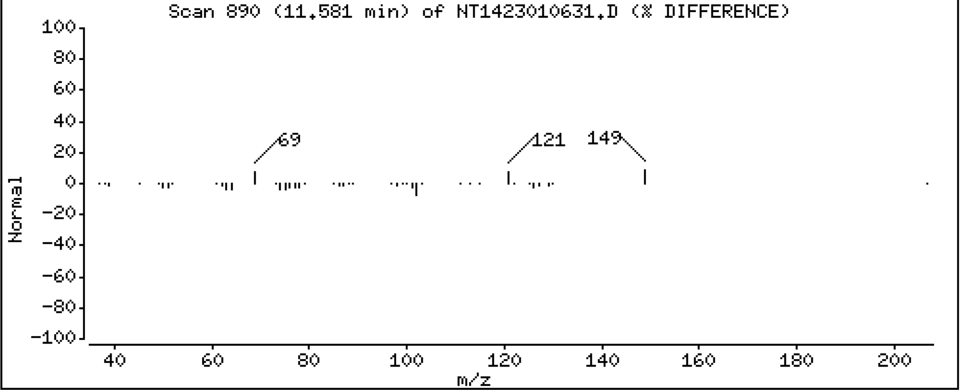
Scan 890 (11.581 min) of NT1423010631.D (Subtracted)



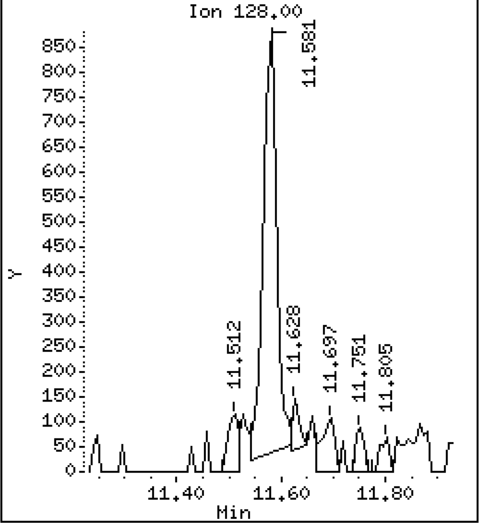
28 Naphthalene (Reference Spectrum)



Scan 890 (11.581 min) of NT1423010631.D (% DIFFERENCE)



Ion 128.00



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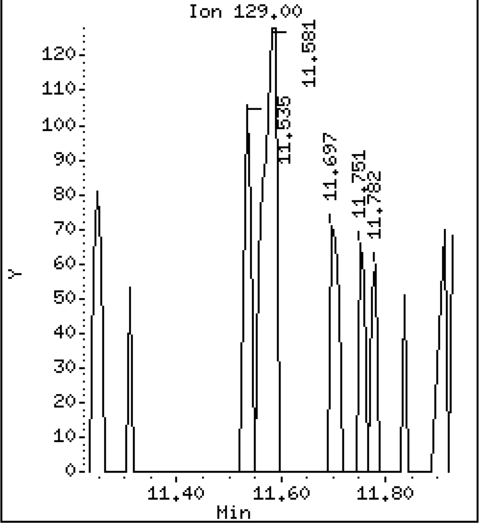

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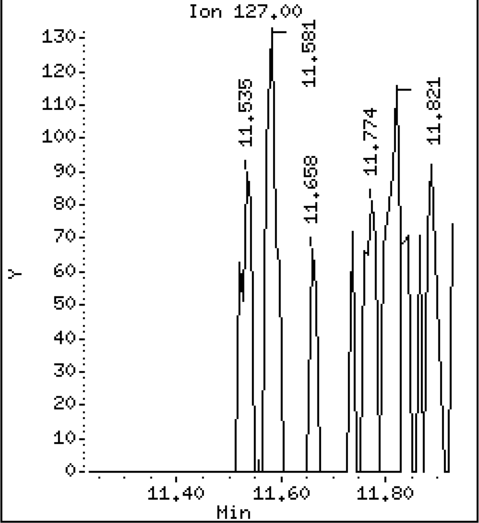

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Date : 07-JAN-2023 05:39

Client ID:

Instrument: nt14.i

Sample Info: 22L0307-41

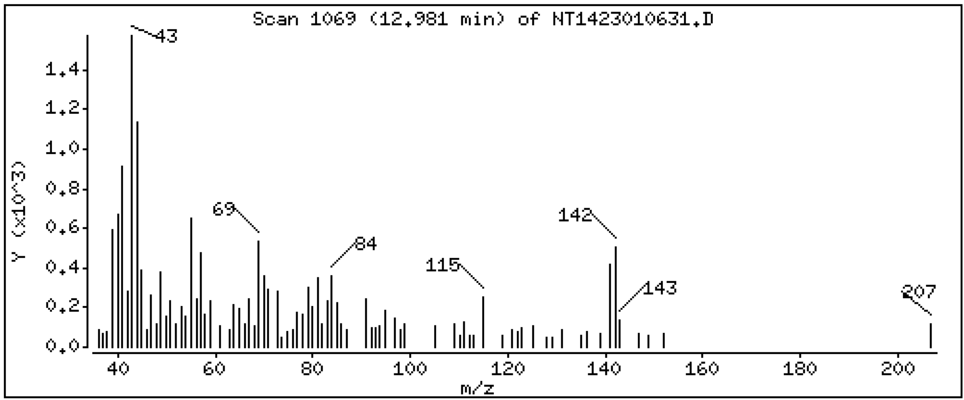
Operator: VTS

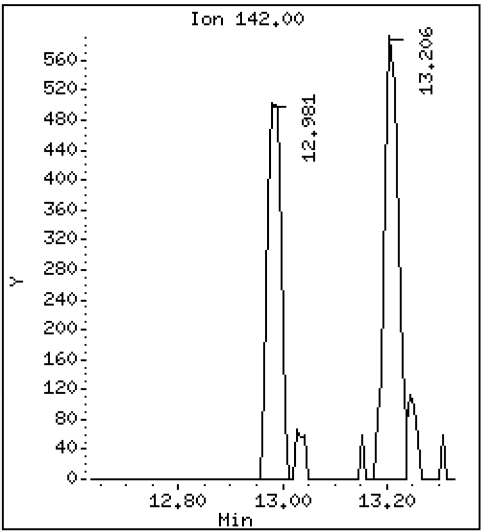
Column phase: ZB-5msi

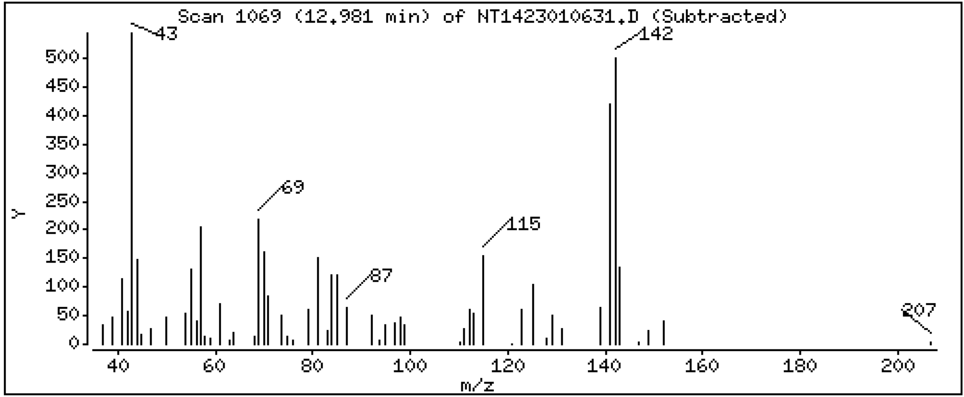
Column diameter: 0.25

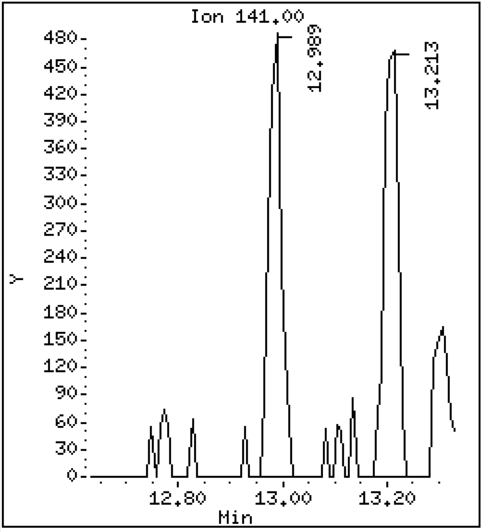
32 2-Methylnaphthalene

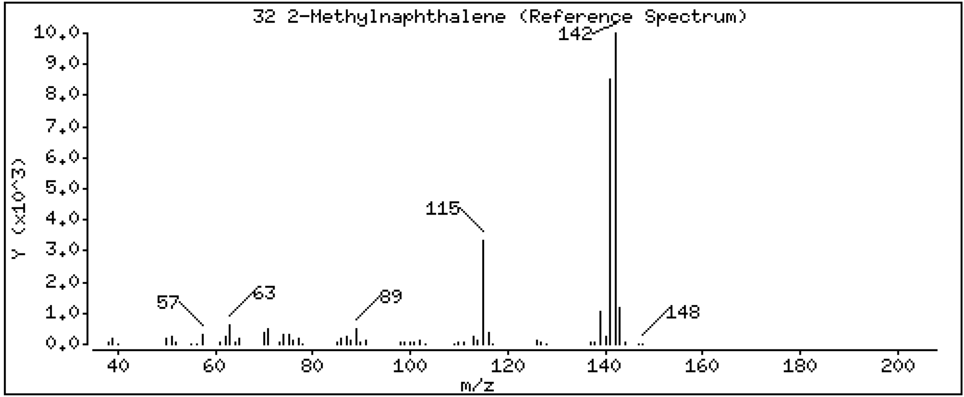
Concentration: 0.01162 ug/mL

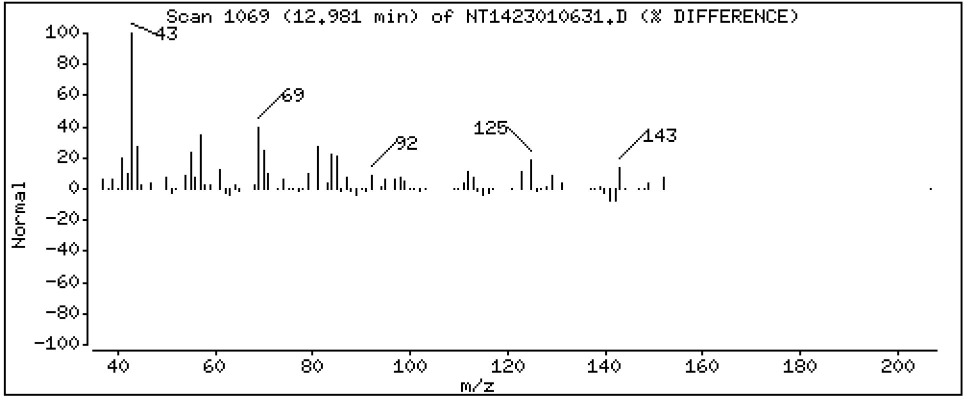












Data File: \\target\share\chem3\nt14.i\20230106.b\NT1423010631.D Page 5

Date : 07-JAN-2023 05:39

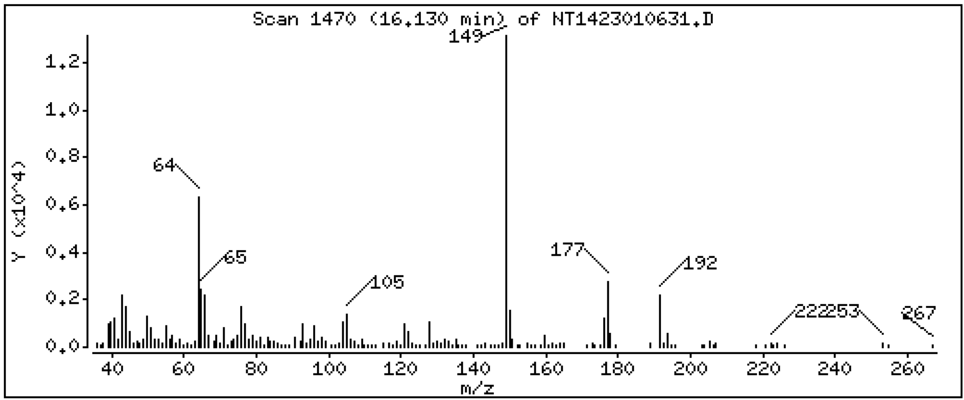
Client ID: Instrument: nt14.i

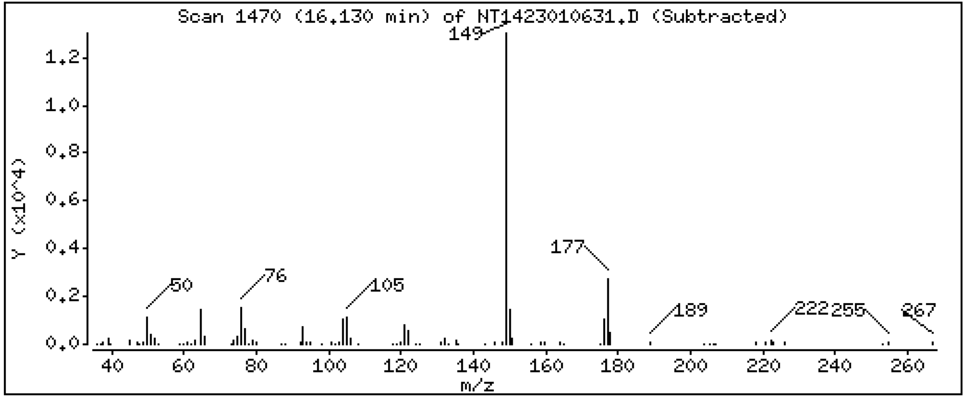
Sample Info: 22L0307-41

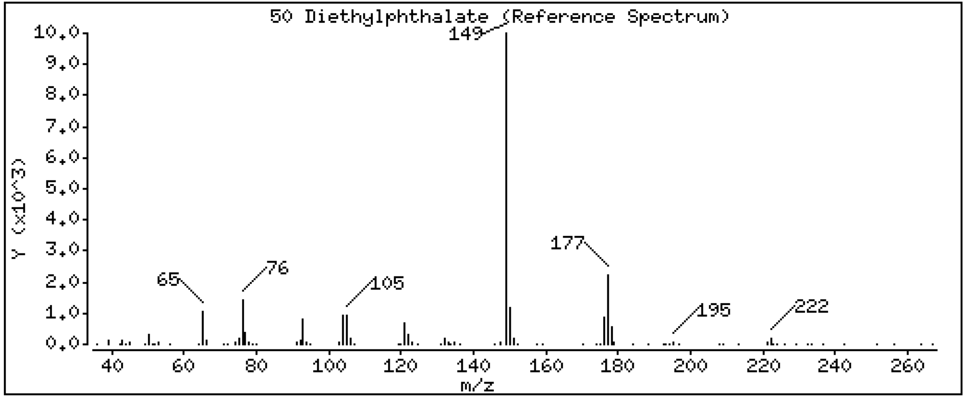
Operator: VTS

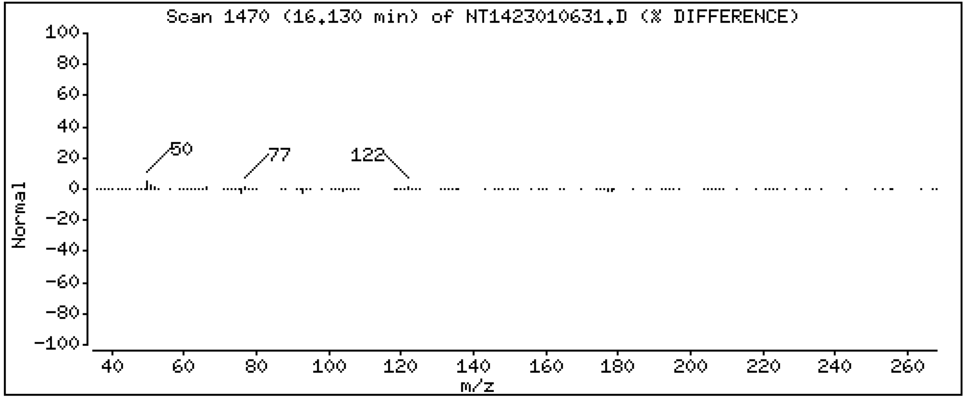
Column phase: ZB-5msi Column diameter: 0.25

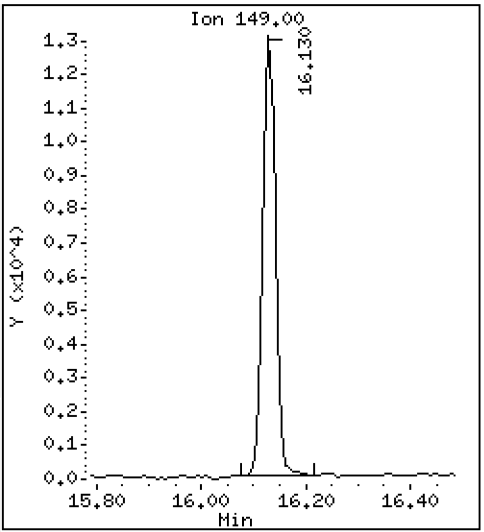
50 Diethylphthalate Concentration: 0.2935 ug/mL

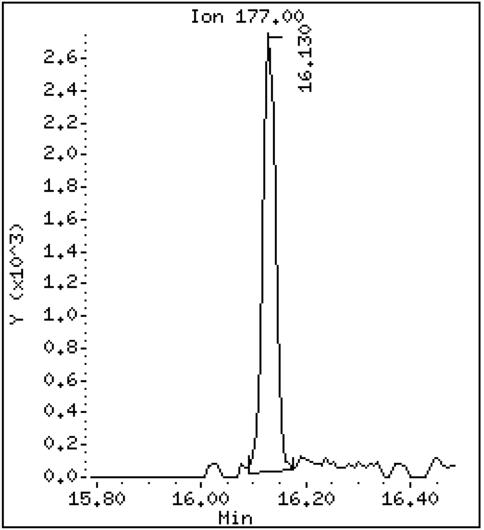

Scan 1470 (16.130 min) of NT1423010631.D


Scan 1470 (16.130 min) of NT1423010631.D (Subtracted)


50 Diethylphthalate (Reference Spectrum)


Scan 1470 (16.130 min) of NT1423010631.D (% DIFFERENCE)


Ion 149.00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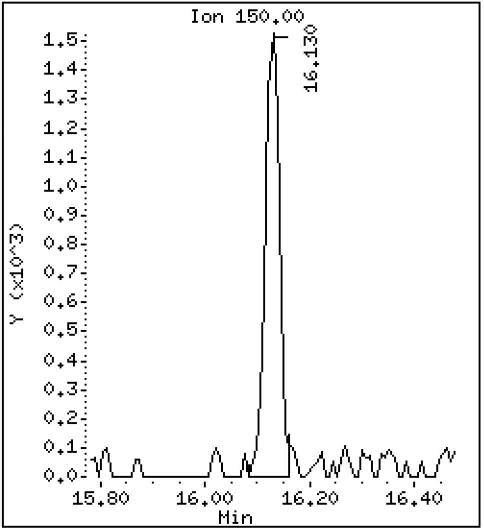

Ion 150.00

Data File: \\target\share\chem3\nt14.i\20230106.b\NT1423010631.D

Date : 07-JAN-2023 05:39

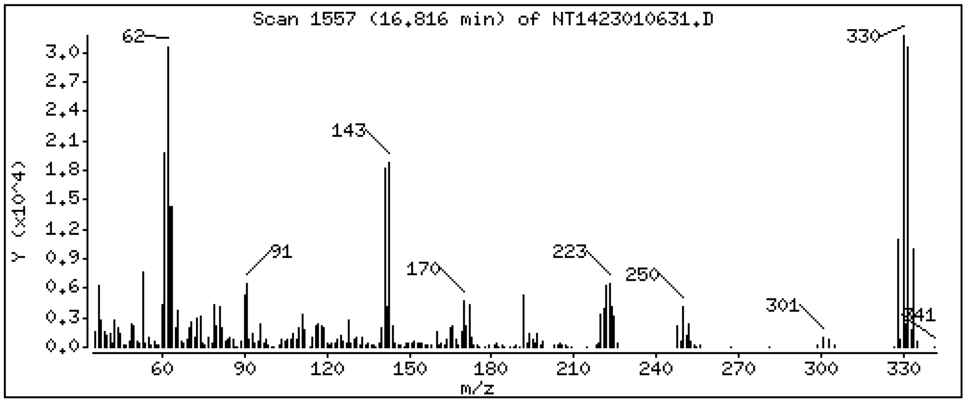
Client ID: Instrument: nt14.i

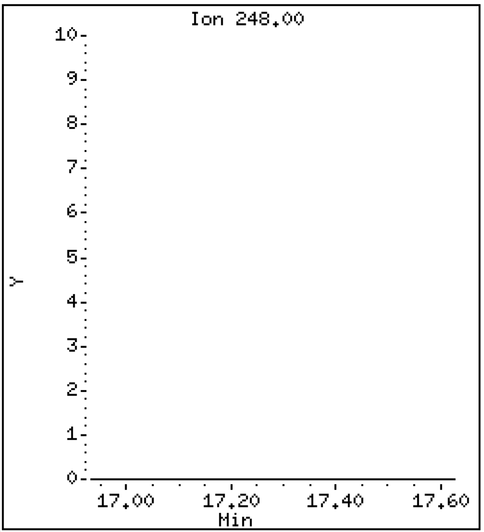
Sample Info: 22L0307-41

Operator: VTS

Column phase: ZB-5msi Column diameter: 0.25

56 4-Bromophenyl-phenylether Concentration: 0.1471 ug/mL


Scan 1557 (16.816 min) of NT1423010631.D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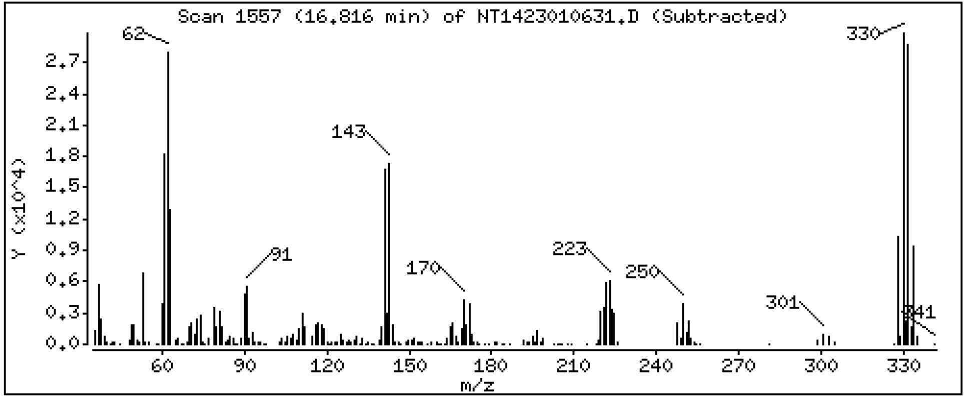
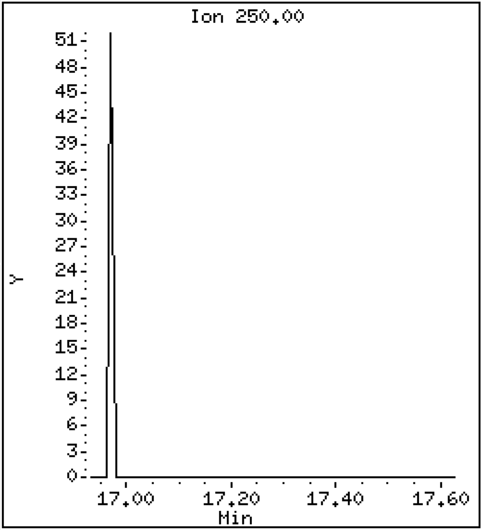
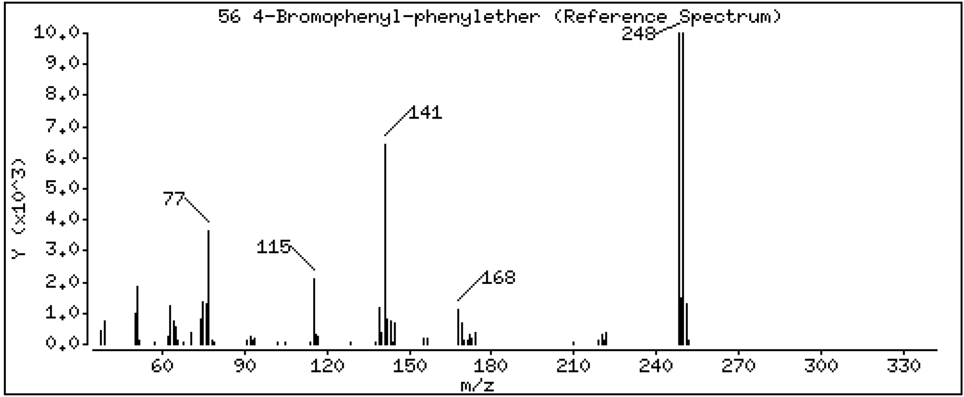
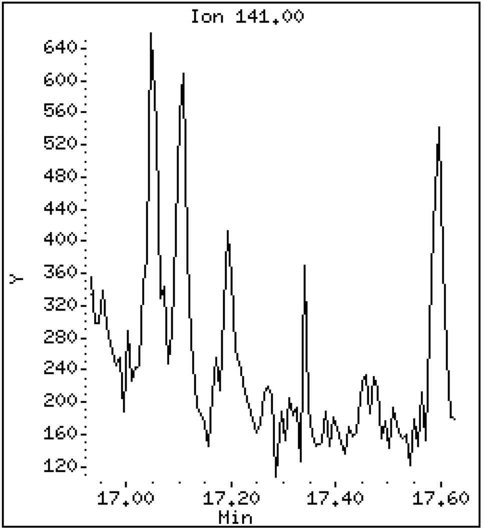
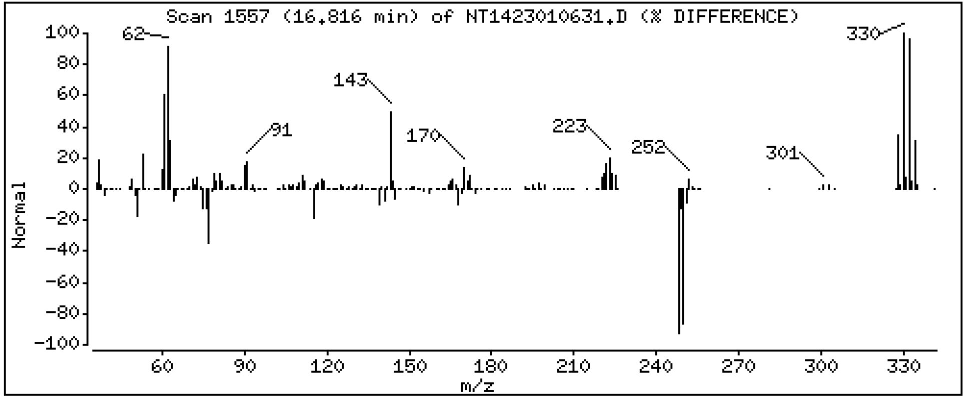

Scan 1557 (16.816 min) of NT1423010631.D (Subtracted)


Ion 250.00


56 4-Bromophenyl-phenylether (Reference Spectrum)


Ion 141.00


Scan 1557 (16.816 min) of NT1423010631.D (% DIFFERENCE)

Data File: \\target\share\chem3\nt14.i\20230106.b\NT1423010631.D　　Page 7

Date : 07-JAN-2023 05:39

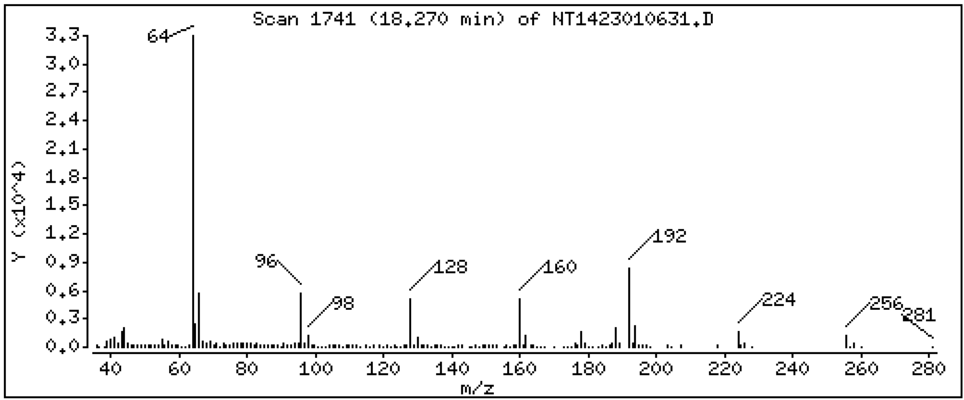
Client ID:　　Instrument: nt14.i

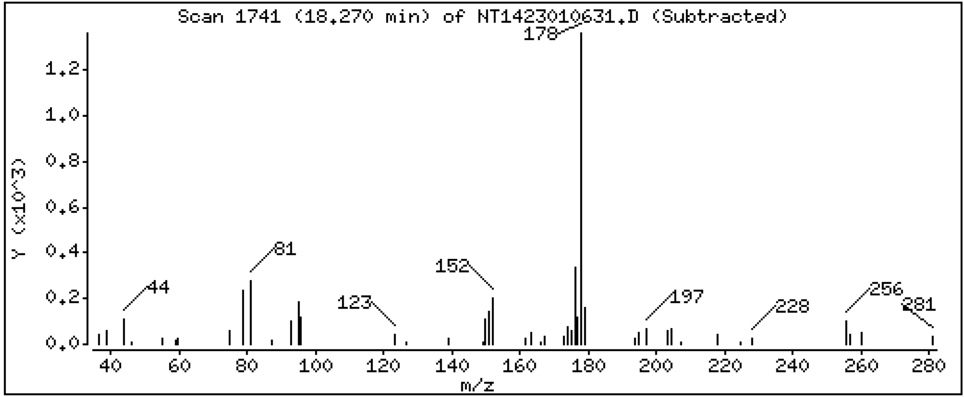
Sample Info: 22L0307-41

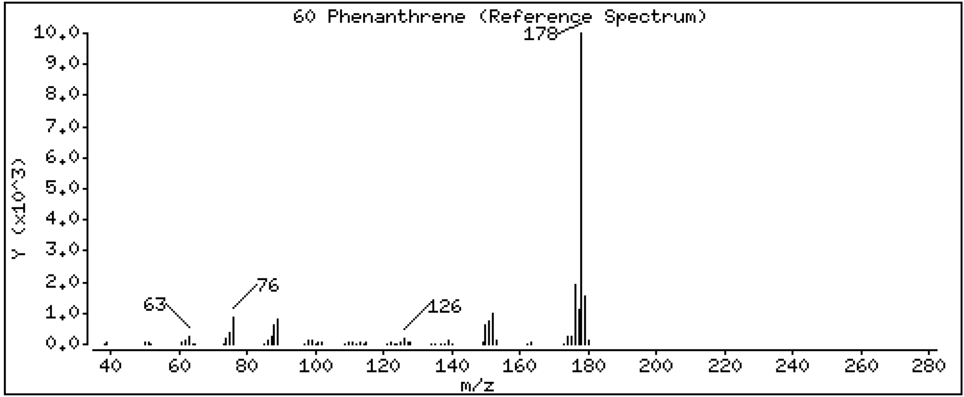
Operator: VTS

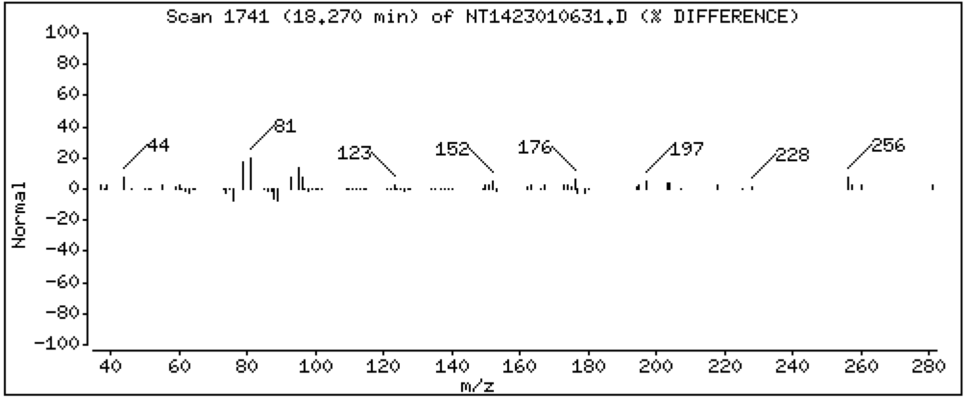
Column phase: ZB-5msi　　Column diameter: 0.25

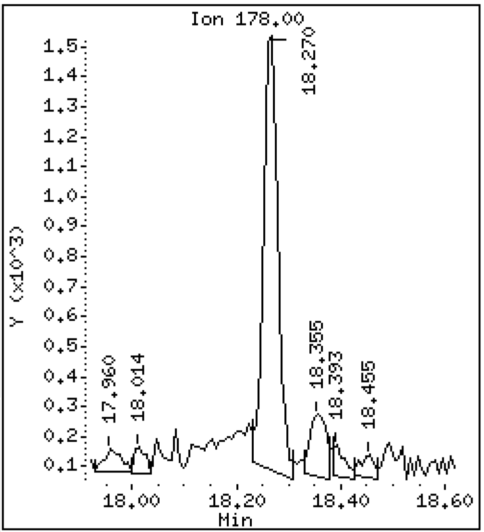
60 Phenanthrene　　Concentration: 0.03061 ug/mL

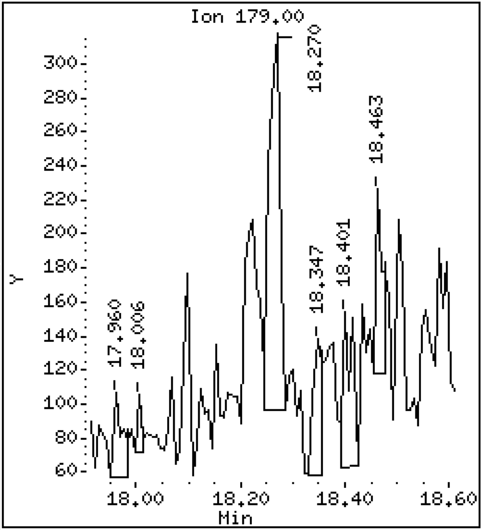


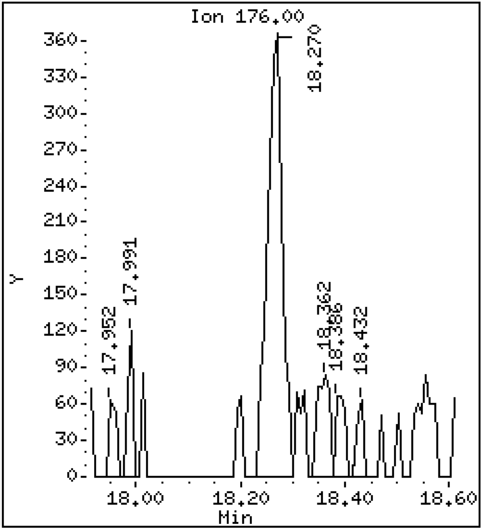












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Date : 07-JAN-2023 05:39

Client ID:

Instrument: nt14.i

Sample Info: 22L0307-41

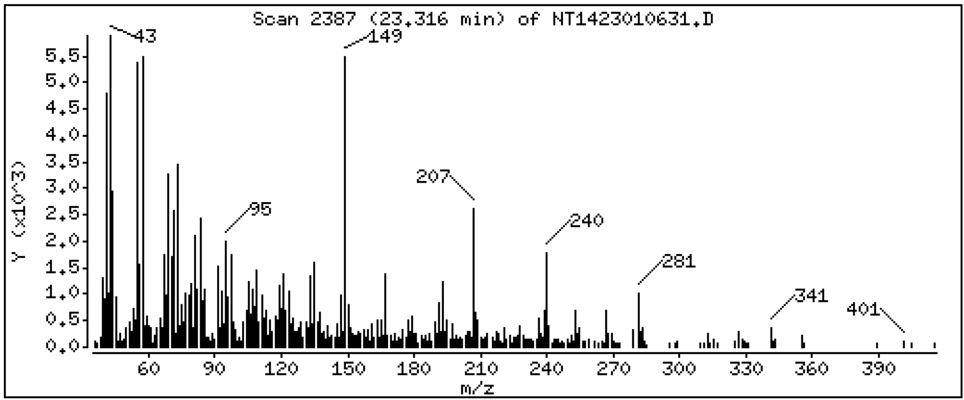
Operator: VTS

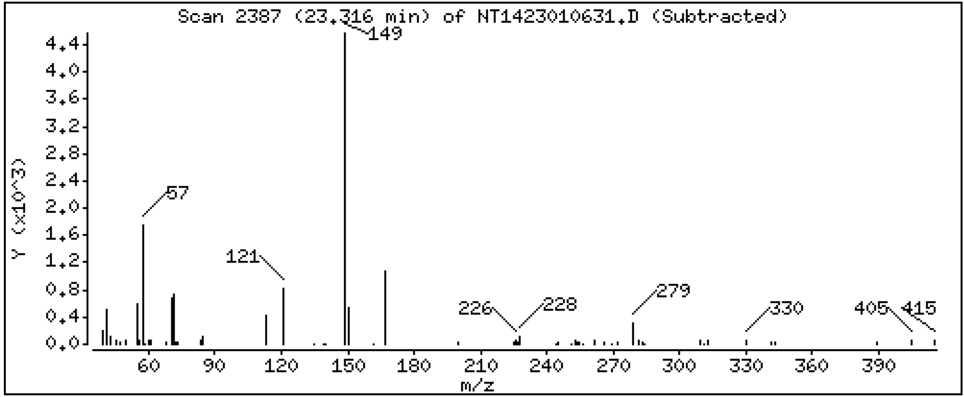
Column phase: ZB-5msi

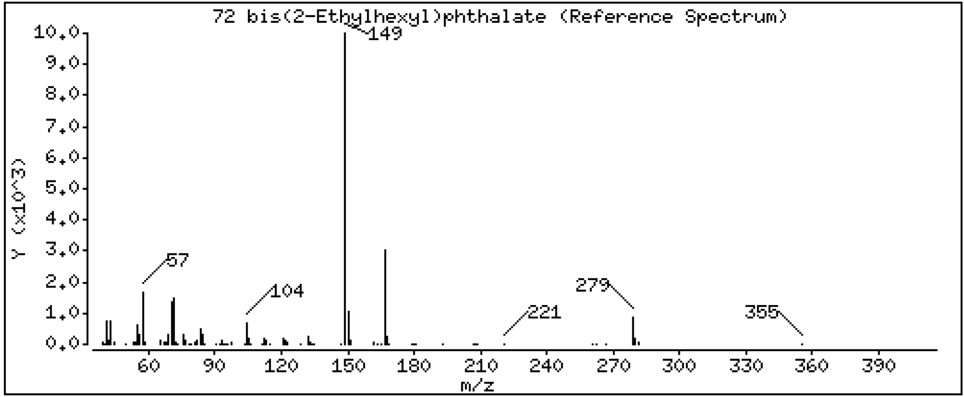
Column diameter: 0.25

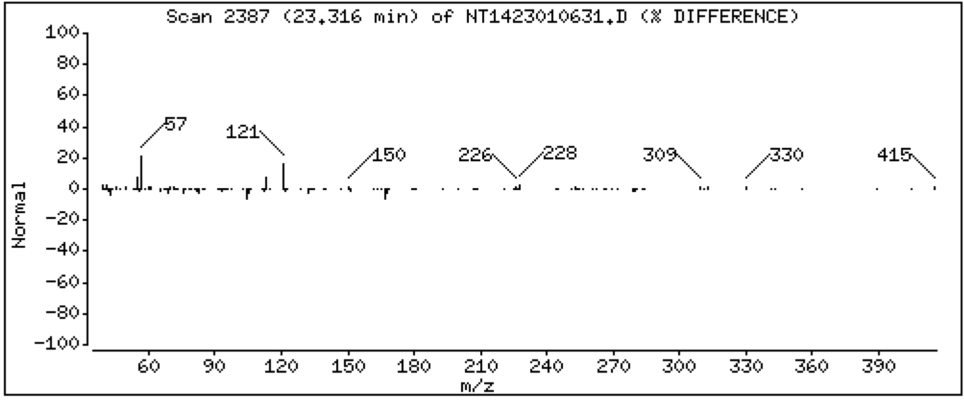
72 bis(2-Ethylhexyl)phthalate

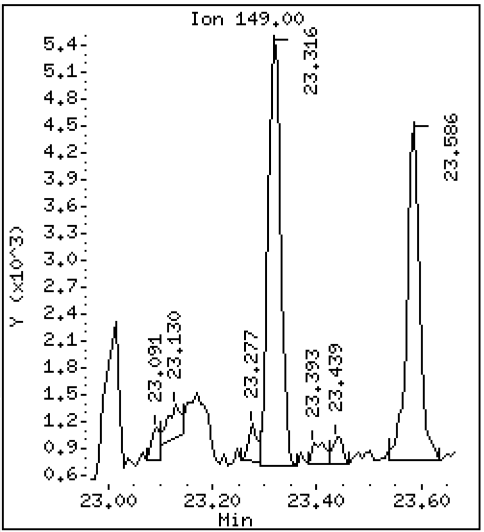
Concentration: 0.1379 ug/mL

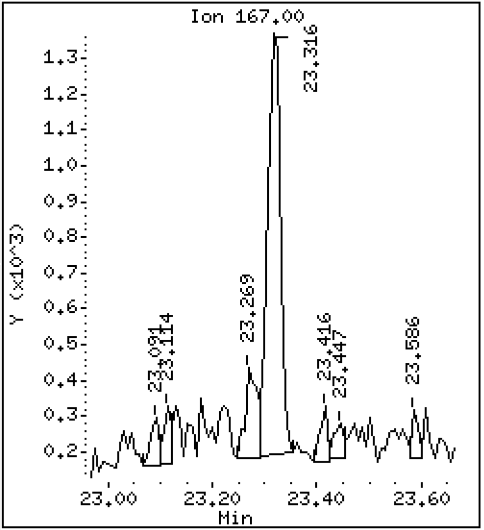

Scan 2387 (23.316 min) of NT1423010631.D

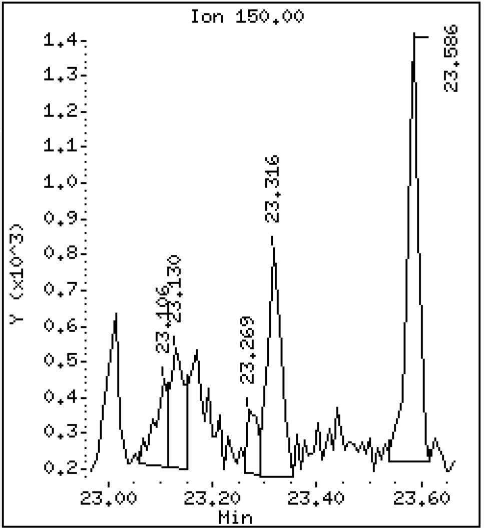

Scan 2387 (23.316 min) of NT1423010631.D (Subtracted)


72 bis(2-Ethylhexyl)phthalate (Reference Spectrum)


Scan 2387 (23.316 min) of NT1423010631.D (% DIFFERENCE)


Ion 149.00


Ion 167.00


Ion 150.00

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Date : 07-JAN-2023 05:39

Client ID:

Instrument: nt14.i

Sample Info: 22L0307-41

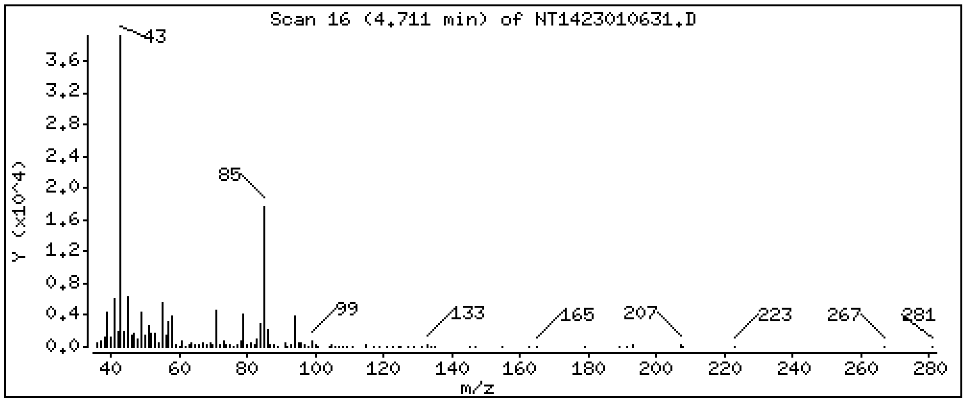
Operator: VTS

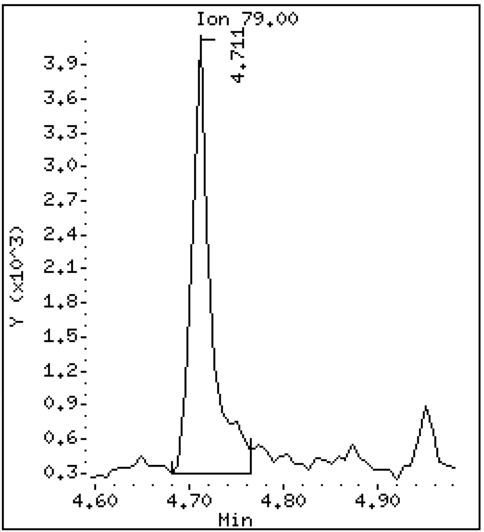
Column phase: ZB-5msi

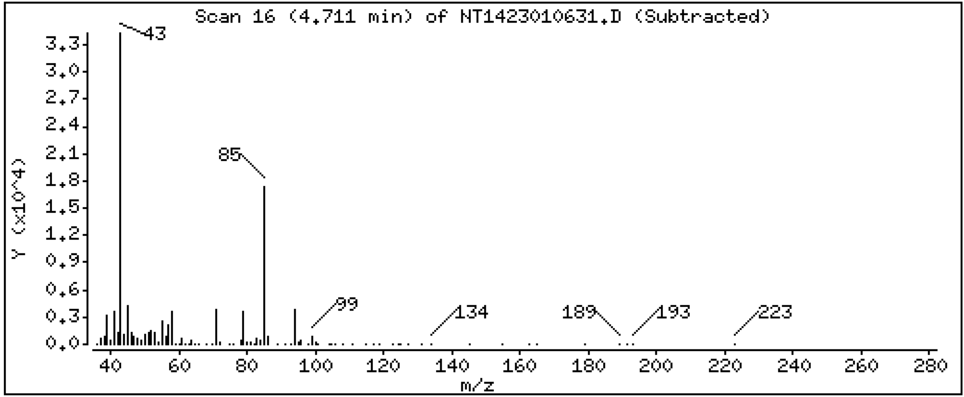
Column diameter: 0.25

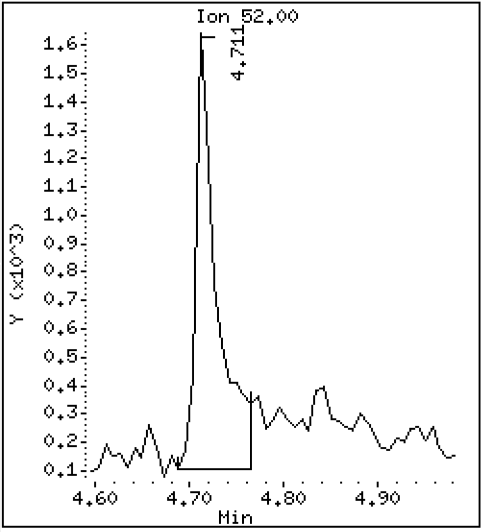
103 Pyridine

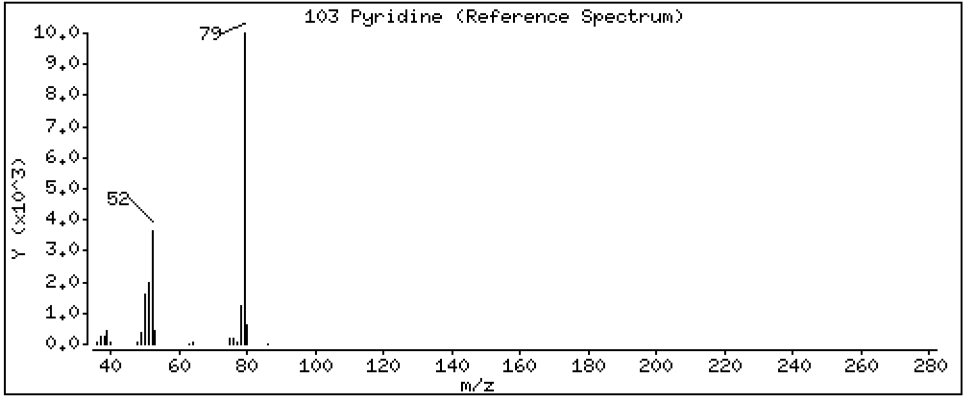
Concentration: 0.07075 ug/mL

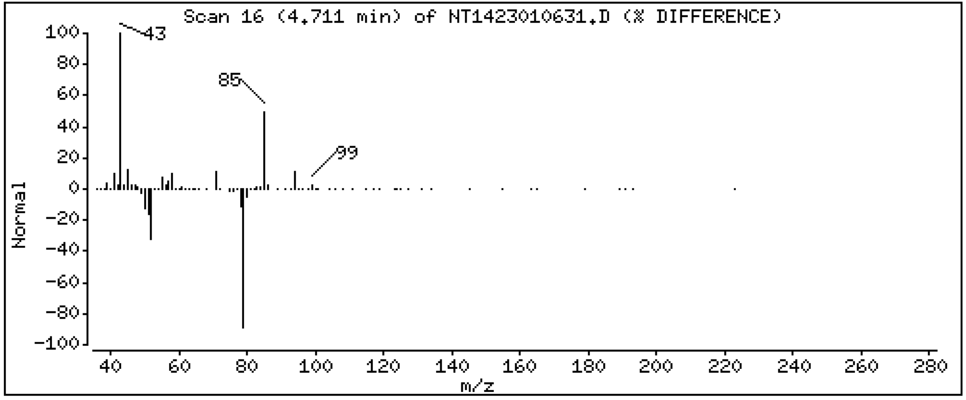












Date : 07-JAN-2023 05:39

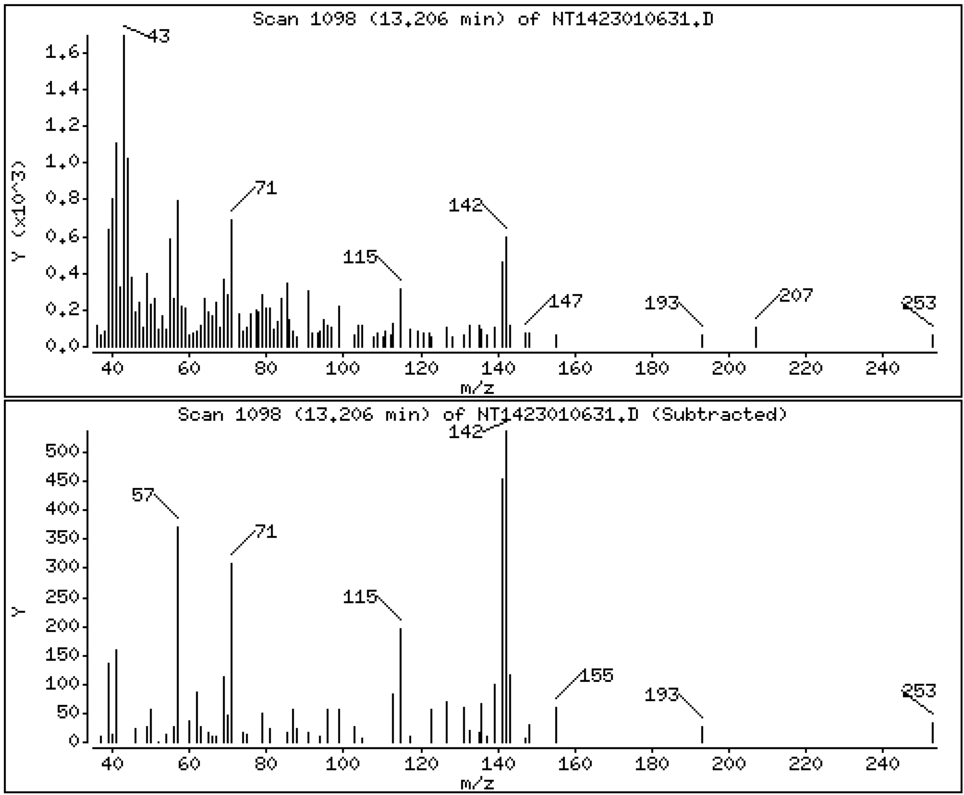
Client ID: Instrument: nt14.i

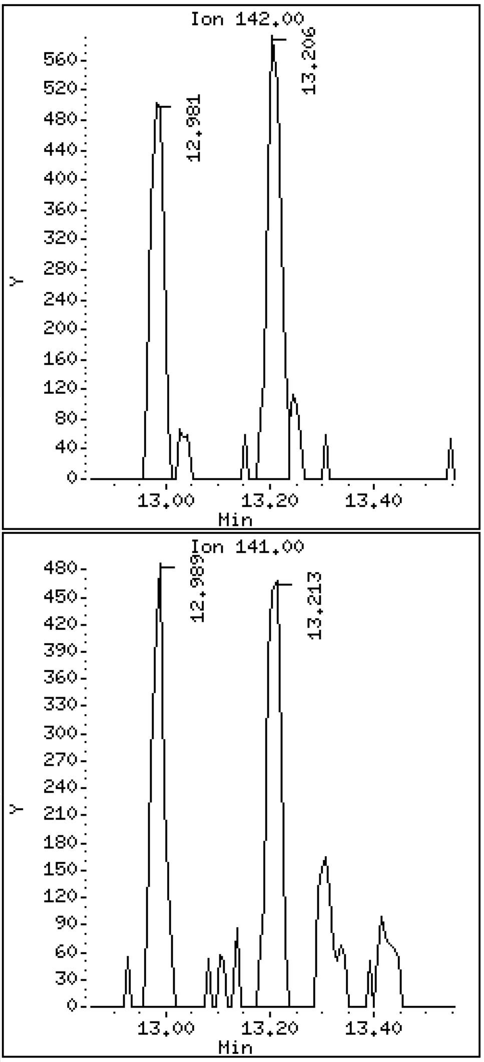
Sample Info: 22L0307-41

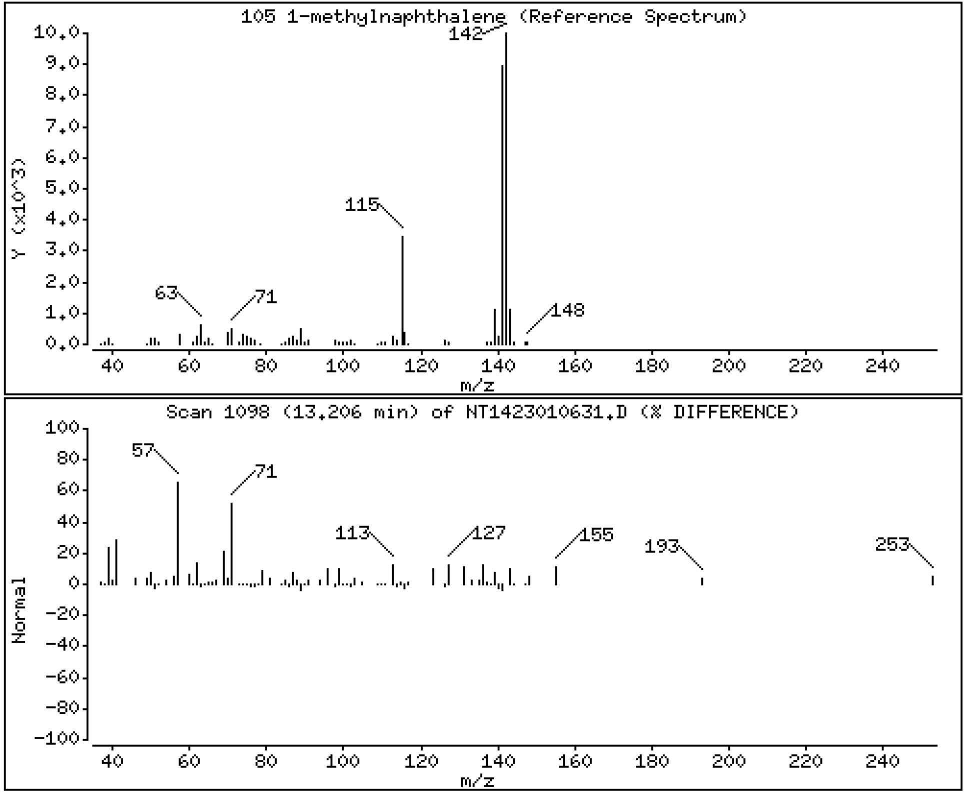
Operator: VTS

Column phase: ZB-5msi Column diameter: 0.25

105 1-methylnaphthalene Concentration: 0.01472 ug/mL







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Data File: \\target\share\chem3\nt14.i\20230106.b\NT1423010631.D Page 1
Report Date: 12-Jan-2023 08:16



                              ARI Labs, Inc.

                      Semivolatile Report SW846 Method 8270D
Data file : \\target\share\chem3\nt14.i\20230106.b\NT1423010631.D
Lab Smp Id: 22L0307-41
Inj Date  : 07-JAN-2023 05:39            MS Autotune Date: 17-MAY-2011 01:22
Operator  : VTS                          Inst ID: nt14.i
Smp Info  : 22L0307-41
Misc Info :
Comment   : 1ul Injection
Method    : \\target\share\chem3\nt14.i\20230106.b\ABN.m
Meth Date : 12-Jan-2023 08:12 van        Quant Type: ISTD
Cal Date  : 30-DEC-2022 11:07            Cal File: NT1422123007.D
Als bottle: 28
Dil Factor: 1.00000
Integrator: HP RTE                       Compound Sublist: ICAL.sub
Target Version:  4.14
Processing Host: VANS-201906


                                                                                                CONCENTRATIONS
                                      QUANT SIG                                              ON-COLUMN    FINAL
Compounds                               MASS          RT   EXP RT   REL RT  RESPONSE     (ug/mL)     (ug/mL)
==========================              ====         ==== ======== ======== ========     =======     =======
$   1 2-Fluorophenol                     112        6.826   6.811 (0.755)     204849    5.71978       5.720
$   2 Phenol-d5                          99         8.410   8.403 (0.930)     255208    5.76614       5.766
    3 Phenol                              94            Compound Not Detected.
$   5 2-Chlorophenol-d4                  132        8.681   8.673 (0.960)     229463    6.17313       6.173
    4 Bis(2-Chloroethyl)ether             93            Compound Not Detected.
    6 2-Chlorophenol                     128            Compound Not Detected.
    7 1,3-Dichlorobenzene                146            Compound Not Detected.
*   8 1,4-Dichlorobenzene-d4             152        9.044   9.037 (1.000)     111789    4.00000
    9 1,4-Dichlorobenzene                146            Compound Not Detected.
$  10 1,2-Dichlorobenzene-d4             152        9.402   9.401 (1.039)      97299    3.82981       3.830
   12 1,2-Dichlorobenzene                146            Compound Not Detected.
   11 Benzyl alcohol                     108            Compound Not Detected.
   14 2,2'-oxybis(1-Chloropropane)       121            Compound Not Detected.
   13 2-Methylphenol                     108        9.549   9.549 (1.056)        432    0.01182     0.01182
   17 Hexachloroethane                   117            Compound Not Detected.
   16 N-Nitroso-di-n-propylamine          70            Compound Not Detected.
   15 4-Methylphenol                     108            Compound Not Detected.
$  18 Nitrobenzene-d5                    82        10.131  10.131 (0.878)     169370    4.82276       4.823(H)
   19 Nitrobenzene                        77            Compound Not Detected.
   20 Isophorone                          82            Compound Not Detected.
   21 2-Nitrophenol                      139            Compound Not Detected.
   22 2,4-Dimethylphenol                 107            Compound Not Detected.
   23 Bis(2-Chloroethoxy)methane          93            Compound Not Detected.
   24 Benzoic acid                       105            Compound Not Detected.
   25 2,4-Dichlorophenol                 162            Compound Not Detected.
   26 1,2,4-Trichlorobenzene             180            Compound Not Detected.
*  27 Naphthalene-d8                     136       11.542  11.534 (1.000)     415884    4.00000
   28 Naphthalene                        128       11.581  11.581 (1.003)       1450    0.01417     0.01417
   29 4-Chloroaniline                    127            Compound Not Detected.
   30 Hexachlorobutadiene                225            Compound Not Detected.
   31 4-Chloro-3-methylphenol            107            Compound Not Detected.
   32 2-Methylnaphthalene                142       12.981  12.981 (1.125)        872    0.01162     0.01162
   33 Hexachlorocyclopentadiene          237            Compound Not Detected.
```

```
Data File: \\target\share\chem3\nt14.i\20230106.b\NT1423010631.D Page 2
Report Date: 12-Jan-2023 08:16


                                                                                        CONCENTRATIONS
                                      QUANT SIG                                       ON-COLUMN    FINAL
Compounds                               MASS          RT   EXP RT   REL RT  RESPONSE    (ug/mL)    (ug/mL)
==========================              ====         ==== ======== ======== ========    =======    =======
   34 2,4,6-Trichlorophenol              196            Compound Not Detected.
   35 2,4,5-Trichlorophenol              196            Compound Not Detected.
$  36 2-Fluorobiphenyl                  172        13.770  13.770 (0.908)     299949    4.28158      4.282
   37 2-Chloronaphthalene                162            Compound Not Detected.
   38 2-Nitroaniline                      65            Compound Not Detected.
   39 Dimethylphthalate                  163            Compound Not Detected.
   40 Acenaphthylene                     152            Compound Not Detected.
   41 2,6-Dinitrotoluene                 165            Compound Not Detected.
*  42 Acenaphthene-d10                  164        15.171  15.171 (1.000)     208362    4.00000
   43 3-Nitroaniline                     138            Compound Not Detected.
   44 Acenaphthene                       153            Compound Not Detected.
   45 2,4-Dinitrophenol                  184            Compound Not Detected.
   46 Dibenzofuran                       168            Compound Not Detected.
   47 4-Nitrophenol                      109            Compound Not Detected.
   48 2,4-Dinitrotoluene                 165            Compound Not Detected.
   50 Diethylphthalate                  149        16.129  16.137 (1.063)      23444    0.29353     0.2935
   49 Fluorene                           166            Compound Not Detected.
   51 4-Chlorophenyl-phenylether         204            Compound Not Detected.
   52 4-Nitroaniline                     138            Compound Not Detected.
   53 4,6-Dinitro-2-methylphenol         198            Compound Not Detected.
   54 N-Nitrosodiphenylamine             169            Compound Not Detected.
$  55 2,4,6-Tribromophenol              330        16.816  16.816 (1.108)      59229    5.88197      5.882
   56 4-Bromophenyl-phenylether         248        16.816  17.278 (0.923)       3243    0.14709     0.1471
   57 Hexachlorobenzene                  284            Compound Not Detected.
   58 Pentachlorophenol                  266            Compound Not Detected.
*  59 Phenanthrene-d10                  188        18.215  18.215 (1.000)     339313    4.00000
   60 Phenanthrene                      178        18.269  18.269 (1.003)       2708    0.03061    0.03061
   61 Anthracene                         178            Compound Not Detected.
   62 Carbazole                          167            Compound Not Detected.
   63 Di-n-butylphthalate                149            Compound Not Detected.
   64 Fluoranthene                       202            Compound Not Detected.
   65 Pyrene                             202            Compound Not Detected.
$  66 Terphenyl-d14                     244        21.364  21.364 (0.918)     290630    4.86356      4.864
   67 Butylbenzylphthalate               149            Compound Not Detected.
   68 Benzo(a)anthracene                 228            Compound Not Detected.
*  69 Chrysene-d12                      240        23.276  23.276 (1.000)     248938    4.00000
   70 3,3'-Dichlorobenzidine             252            Compound Not Detected.
   71 Chrysene                           228            Compound Not Detected.
   72 bis(2-Ethylhexyl)phthalate        149        23.315  23.315 (0.959)       7656    0.13791     0.1379
* 134 Di-n-octylphthalate-d4            153        24.306  24.298 (1.000)     499852    4.00000
   73 Di-n-octylphthalate                149            Compound Not Detected.
   74 Benzo(b)fluoranthene               252            Compound Not Detected.
   75 Benzo(k)fluoranthene               252            Compound Not Detected.
   76 Benzo(a)pyrene                     252            Compound Not Detected.
*  77 Perylene-d12                      264        25.909  25.901 (1.000)     275883    4.00000
   78 Indeno(1,2,3-cd)pyrene             276            Compound Not Detected.
   79 Dibenzo(a,h)anthracene             278            Compound Not Detected.
   80 Benzo(g,h,i)perylene               276            Compound Not Detected.
   90 N-Nitrosodimethylamine              74            Compound Not Detected.
   91 Aniline                             93            Compound Not Detected.
   93 Benzidine                          184            Compound Not Detected.
  103 Pyridine                           79         4.710   4.633 (0.521)       5545    0.07075    0.07075
  105 1-methylnaphthalene               142        13.205  13.205 (1.144)       1062    0.01472    0.01472
  111 Azobenzene (1,2-DP-Hydrazine)       77            Compound Not Detected.
```

```
                                                                                           CONCENTRATIONS
                                     QUANT SIG                                           ON-COLUMN    FINAL
Compounds                              MASS          RT    EXP RT   REL RT  RESPONSE     (ug/mL)     (ug/mL)
==========================             ====         ==== ======== ======== ========     =======     =======
  187 Total Benzofluoranthenes           252          Compound Not Detected.
  120 2,3,4,6-Tetrachlorophenol          232          Compound Not Detected.
```

QC Flag Legend

H - Operator selected an alternate compound hit.

Data File: \\target\share\chem3\nt14.i\20230106.b\NT1423010631.D Page 1
Report Date: 12-Jan-2023 08:16

ARI Labs, Inc.

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: nt14.i
Lab File ID: NT1423010631.D
Lab Smp Id: 22L0307-41
Analysis Type: SV
Quant Type: ISTD
Operator: VTS
Method File: \\target\share\chem3\nt14.i\20230106.b\ABN.m
Misc Info:

Calibration Date: 06-JAN-2023
Calibration Time: 22:27
Level:
Sample Type:

Test Mode:
Use Last Continuing Calibrator.

		AREA LIMIT			
COMPOUND	STANDARD	LOWER	UPPER	SAMPLE	%DIFF
8 1,4-Dichlorobenze	114022	57011	228044	111789	-1.96
27 Naphthalene-d8	420653	210327	841306	415884	-1.13
42 Acenaphthene-d10	216802	108401	433604	208362	-3.89
59 Phenanthrene-d10	366121	183061	732242	339313	-7.32
69 Chrysene-d12	276883	138442	553766	248938	-10.09
134 Di-n-octylphthala	540641	270321	1081282	499852	-7.54
77 Perylene-d12	308305	154153	616610	275883	-10.52

		RT LIMIT			
COMPOUND	STANDARD	LOWER	UPPER	SAMPLE	%DIFF
8 1,4-Dichlorobenze	9.04	8.54	9.54	9.04	0.09
27 Naphthalene-d8	11.53	11.03	12.03	11.54	0.07
42 Acenaphthene-d10	15.17	14.67	15.67	15.17	0.00
59 Phenanthrene-d10	18.22	17.72	18.72	18.22	0.00
69 Chrysene-d12	23.28	22.78	23.78	23.28	0.00
134 Di-n-octylphthala	24.30	23.80	24.80	24.31	0.03
77 Perylene-d12	25.90	25.40	26.40	25.91	0.03

AREA UPPER LIMIT = +100% of internal standard area.
AREA LOWER LIMIT = - 50% of internal standard area.
RT UPPER LIMIT = + 0.50 minutes of internal standard RT.
RT LOWER LIMIT = - 0.50 minutes of internal standard RT.

```
REVIEW SUMMARY FOR FILE - NT1423010631.D

Lab ID: 22L0307-41
nt14.i,  20230106.b\ABN.m,    07-JAN-2023 05:39


     RT      CO-ELUTION COMPOUNDS
---------------------------------------------------------------------------

            NO CO-ELUTIONS



Quant Method: ICAL




        RRT CHECK

   RRT    CCV RRT   DELTA    COMPOUND
 -------------------------------------

  0.923    0.949   -0.0254   4-Bromophenyl-phenylether
  0.521    0.513    0.0081   Pyridine

  RRT check based on Ccal File: NT1423010619.D


 On Column LOD for nt14.i, 20230106.b\ABN.m, ICAL.sub = 0.0000



 * Only compounds listed in the work order have been verified by the analyst *
```

Analytical Resources, LLC
Analytical Chemists and Consultants

LDW22-SC804H

Form I

ORGANIC ANALYSIS DATA SHEET

EPA 8270E

Semivolatiles (20ug/kg - 0.2ug/L SepF)

Laboratory:	Analytical Resources, LLC				
Client:	Anchor QEA, LLC				
Project:	AOC4 UR Phase 3				
Matrix:	Sediment	Laboratory ID:	22L0307-42 B	SDG:	22L0307
Sampled:	12/12/22 11:18	Prepared:	12/27/22 11:08	File ID:	NT1423010632.D
% Solids:	74.55	Preparation:	EPA 3546 (Microwave)	Analyzed:	01/07/23 06:15
Batch:	BKL0585	Sequence:	SLA0068	Initial/Final:	13.47 g Wet / 1 mL
Instrument:	NT14	Column:	ZB-5MS	Calibration:	FL00066

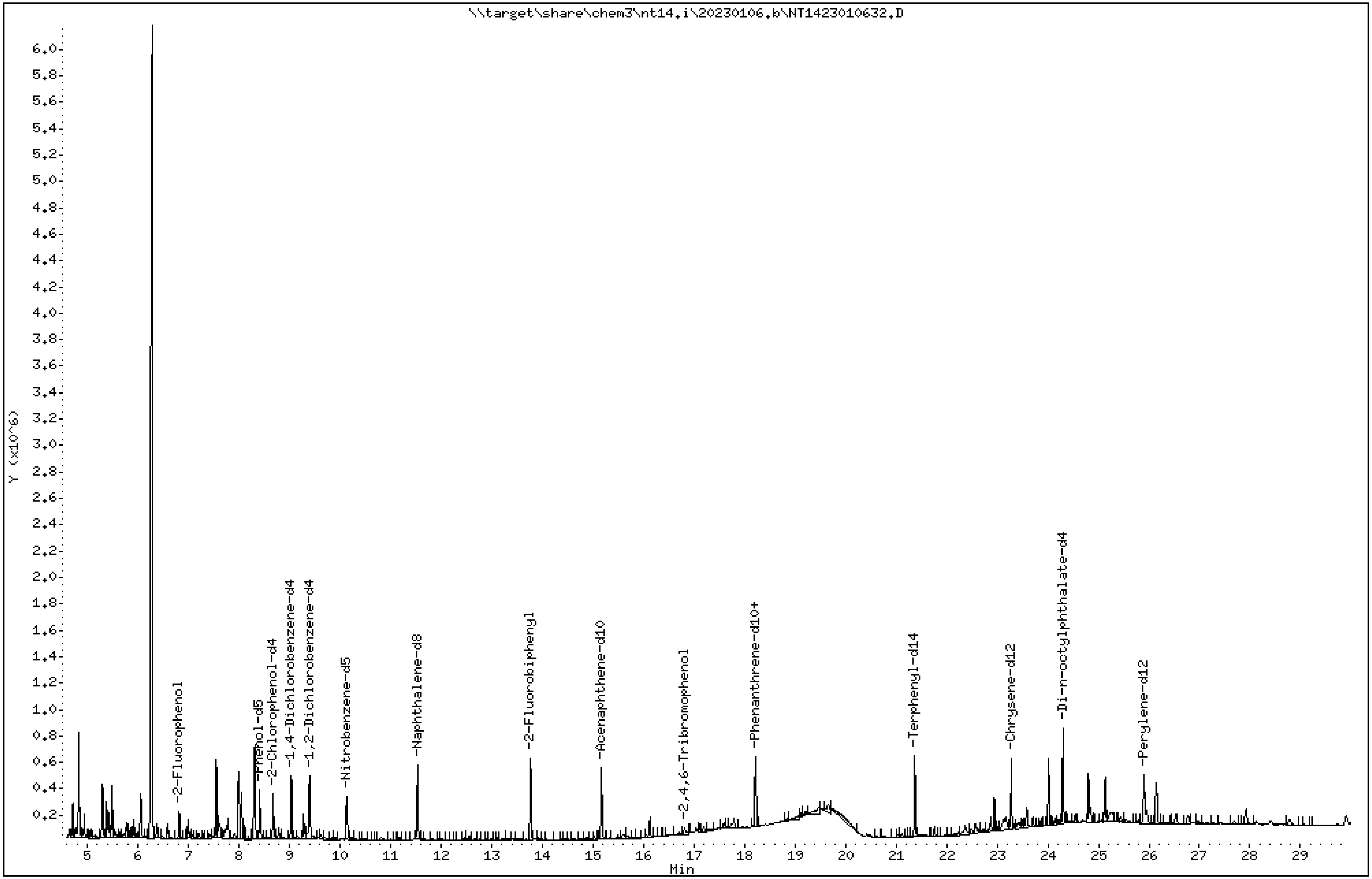
CAS NO.	COMPOUND	DILUTION	CONC: (ug/kg dry)	Q	DL	RL
85-68-7	Butylbenzylphthalate	1	19.9	U	9.4	19.9

SURROGATES	ADDED: (ug/kg dry)	FOUND: (ug/kg dry)	% REC	QC LIMITS	Q
p-Terphenyl-d14	497.91	493	99.0	37 - 120	

Data File: \\target\share\chem3\nt14.i\20230106.b\NT1423010632.D
Date : 07-JAN-2023 06:15
Client ID:
Sample Info: 22L0307-42
Column phase: ZB-5msi

Page 1

Instrument: nt14.i
Operator: VTS
Column diameter: 0.25



Date : 07-JAN-2023 06:15

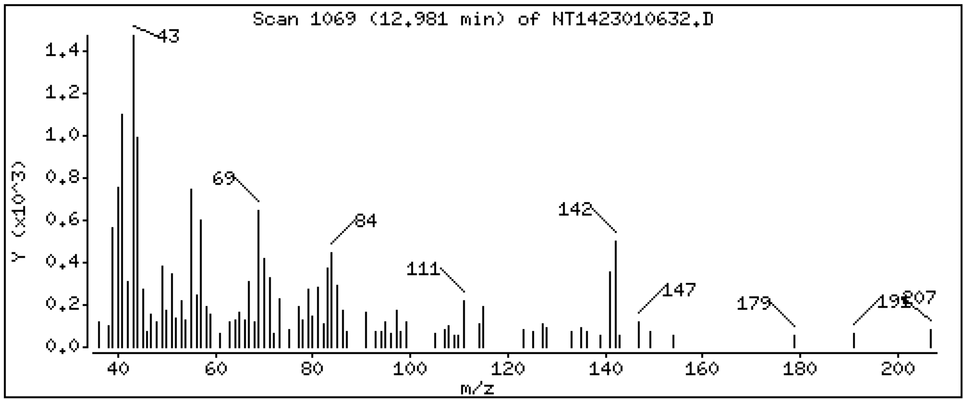
Client ID: Instrument: nt14.i

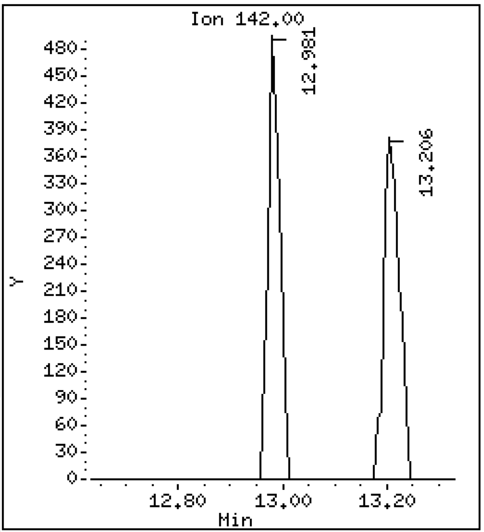
Sample Info: 22L0307-42

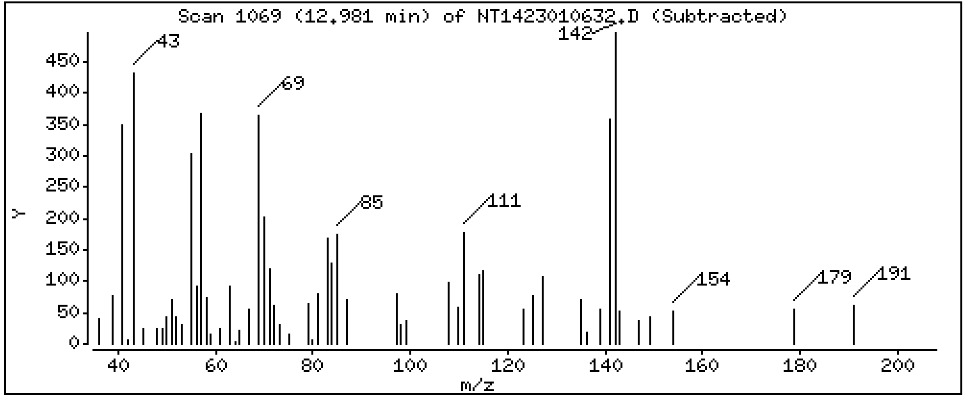
Operator: VTS

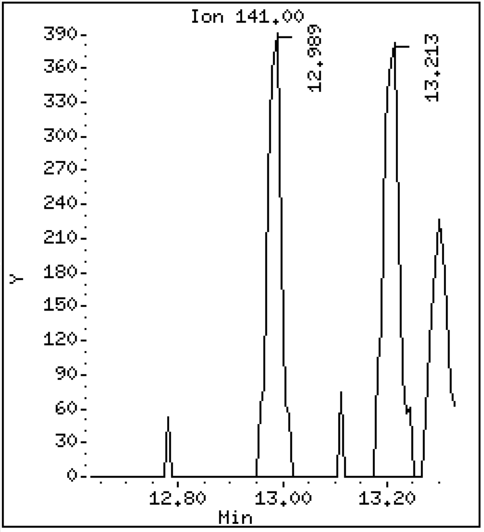
Column phase: ZB-5msi Column diameter: 0.25

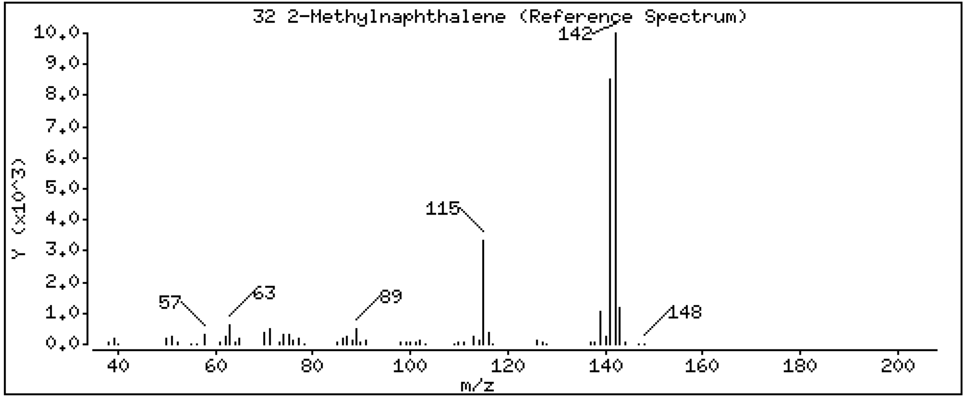
32 2-Methylnaphthalene Concentration: 0.009777 ug/mL

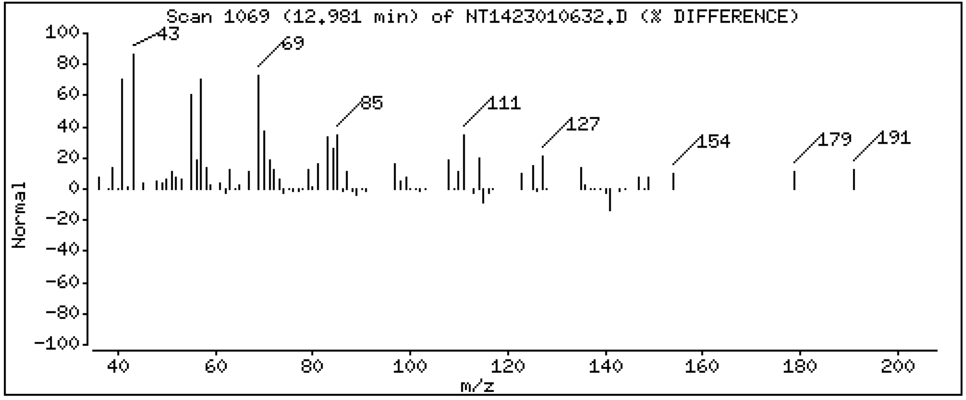












Data File: \\target\share\chem3\nt14.i\20230106.b\NT1423010632.D

Date : 07-JAN-2023 06:15

Client ID:

Instrument: nt14.i

Sample Info: 22L0307-42

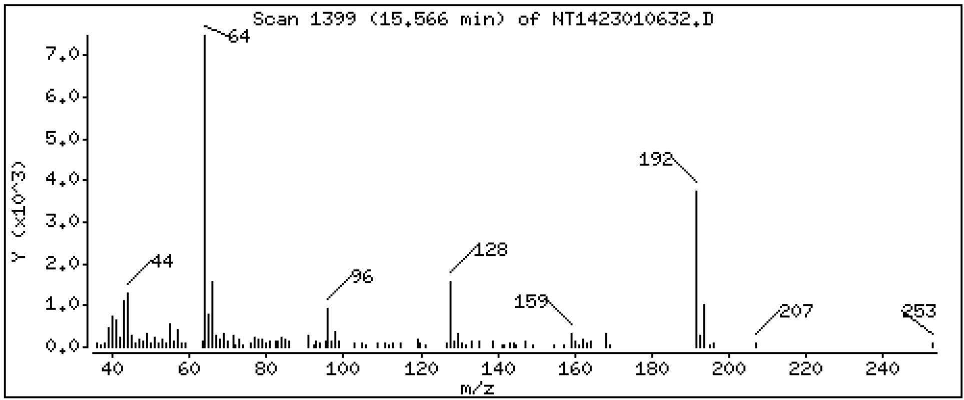
Operator: VTS

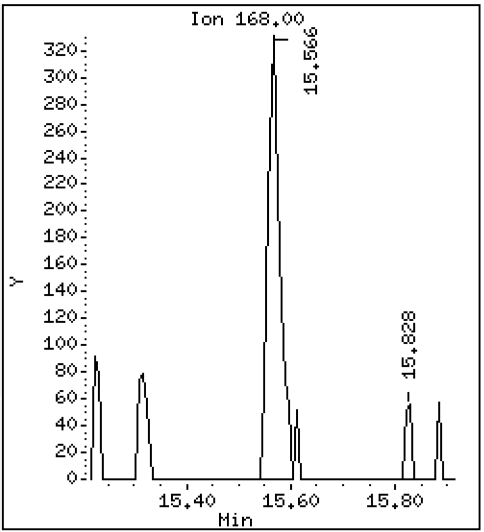
Column phase: ZB-5msi

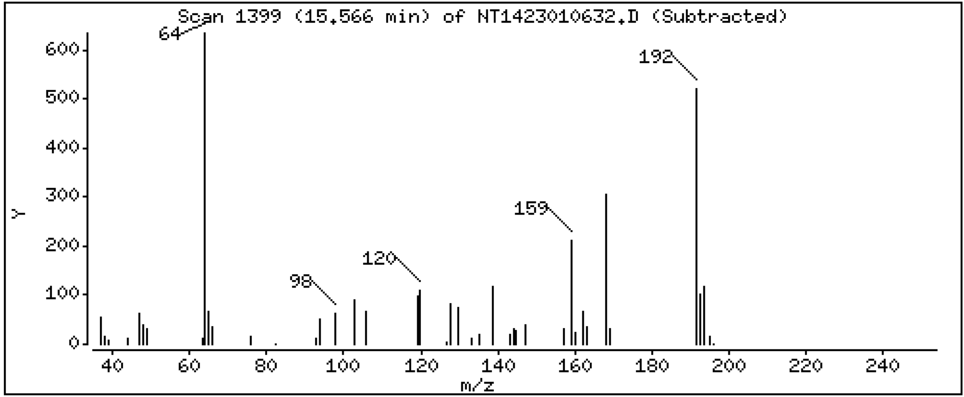
Column diameter: 0.25

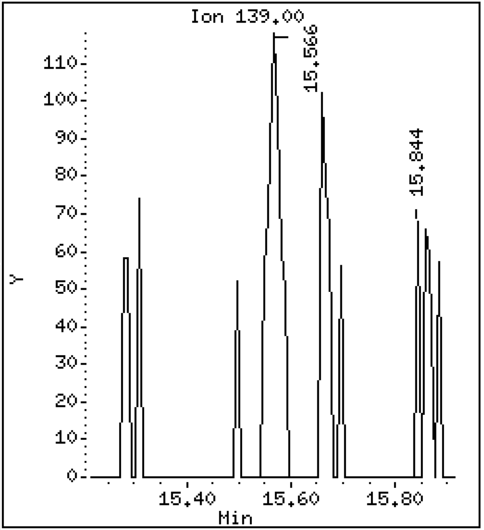
46 Dibenzofuran

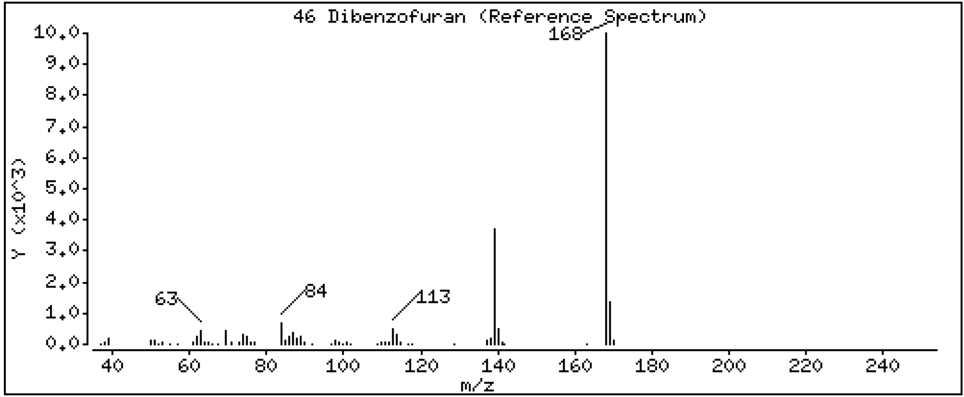
Concentration: 0.006014 ug/mL

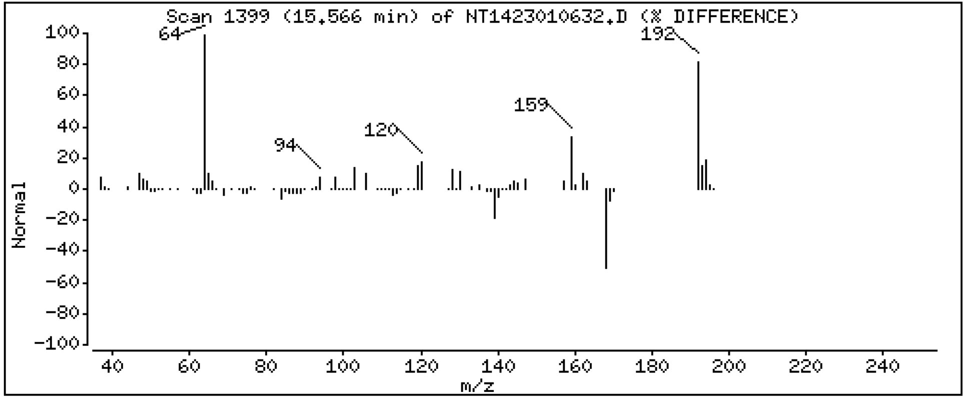


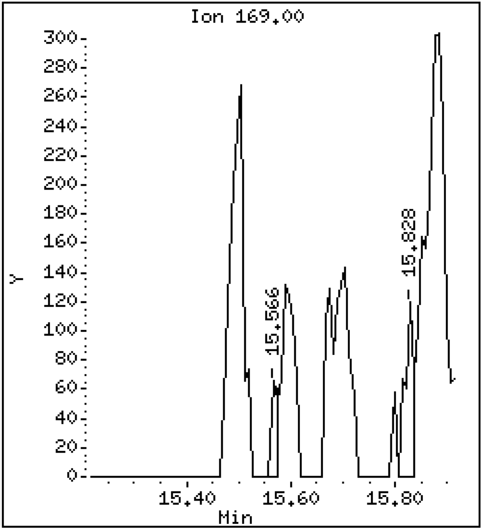












Data File: \\target\share\chem3\nt14.i\20230106.b\NT1423010632.D

Date : 07-JAN-2023 06:15

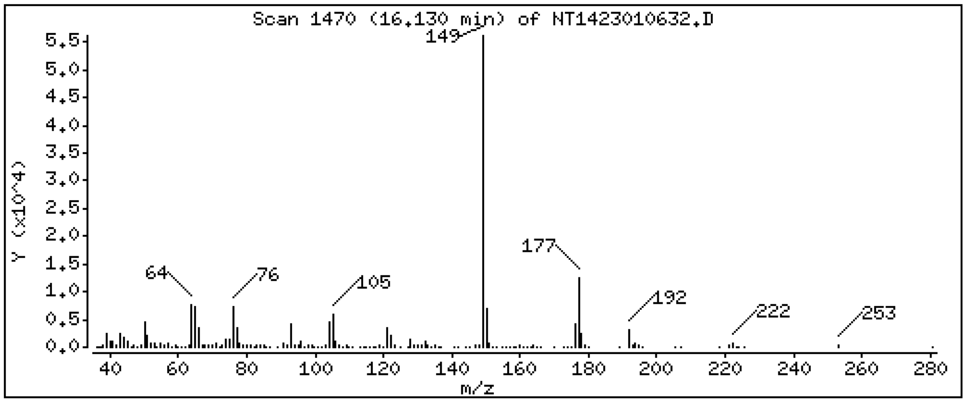
Client ID: Instrument: nt14.i

Sample Info: 22L0307-42

Operator: VTS

Column phase: ZB-5msi Column diameter: 0.25

50 Diethylphthalate Concentration: 1.338 ug/mL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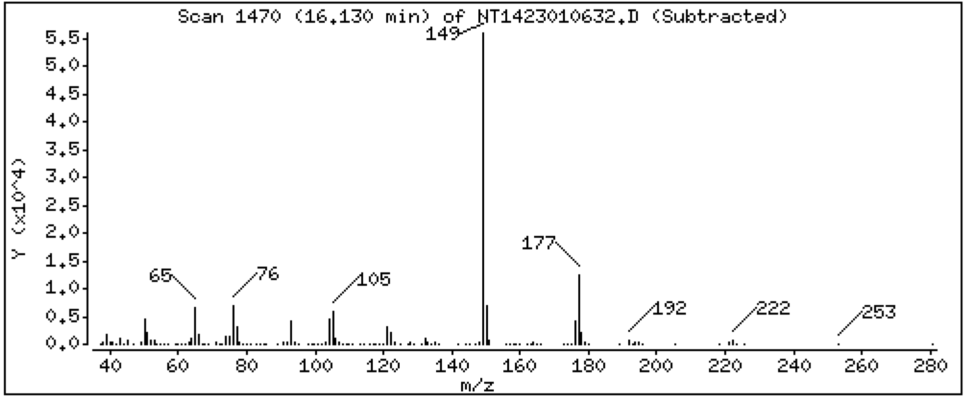
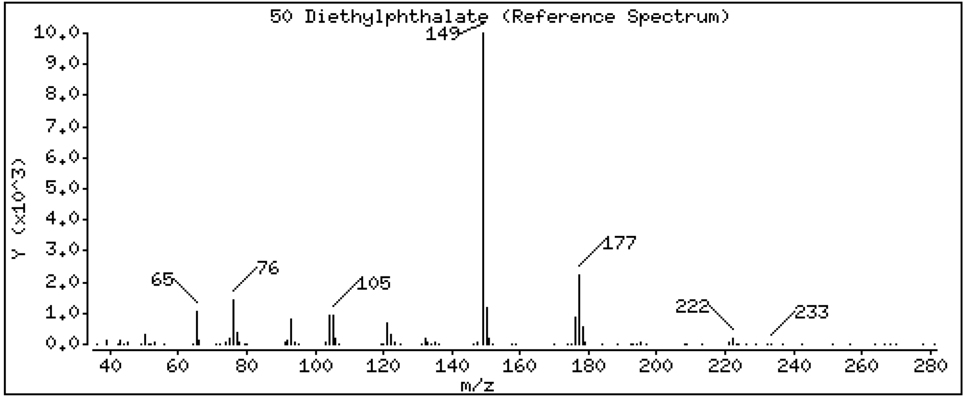
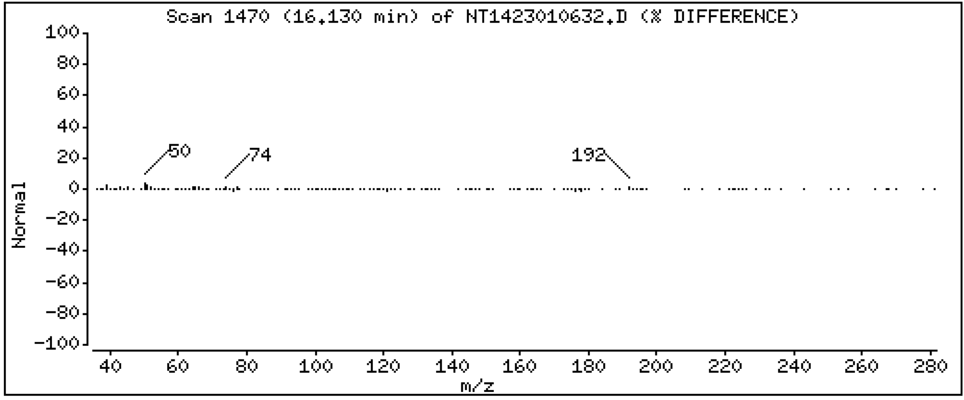

Scan 1470 (16.130 min) of NT1423010632.D (Subtracted)


50 Diethylphthalate (Reference Spectrum)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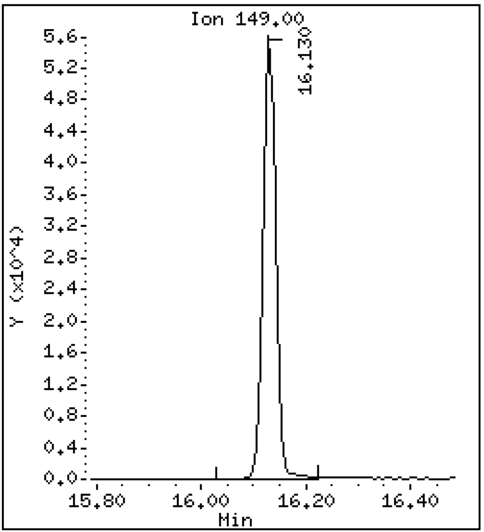
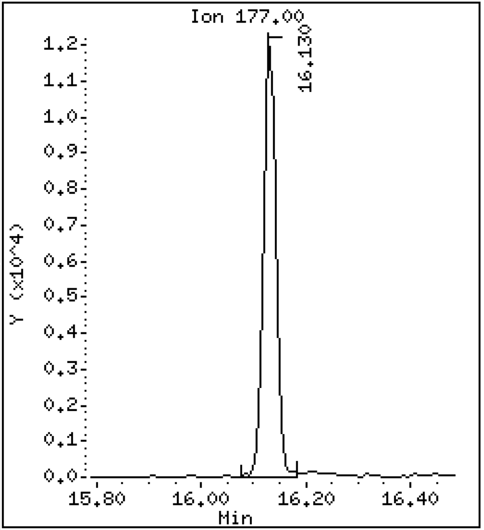

Ion 149.00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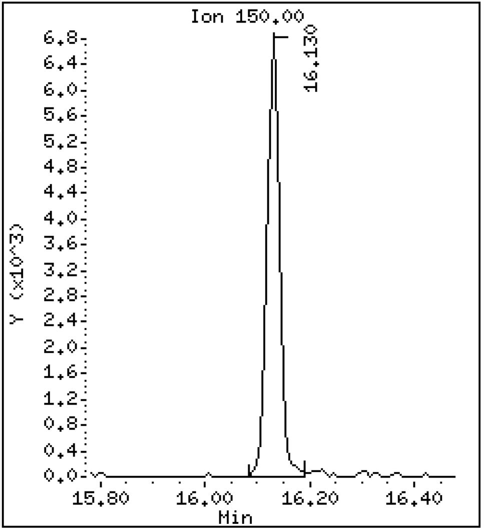
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Data File: \\target\share\chem3\nt14.i\20230106.b\NT1423010632.D

Date : 07-JAN-2023 06:15

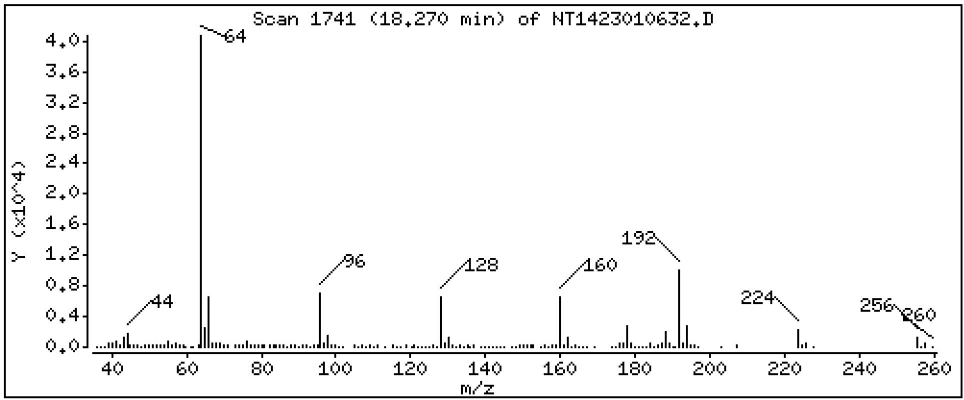
Client ID: Instrument: nt14.i

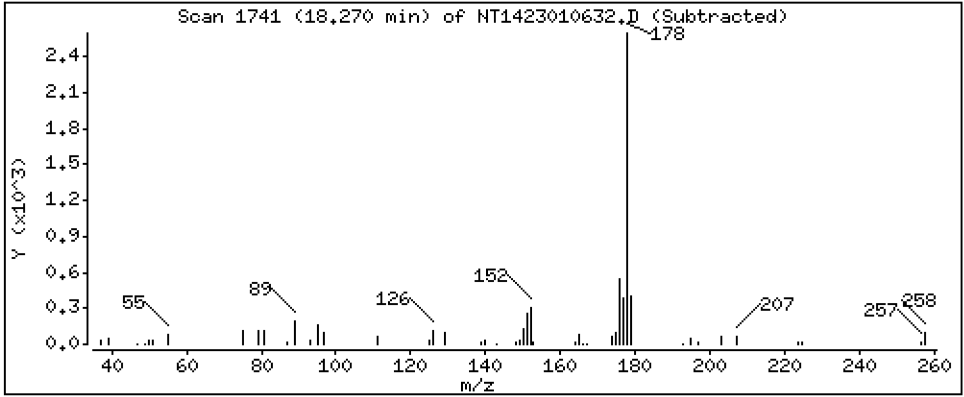
Sample Info: 22L0307-42

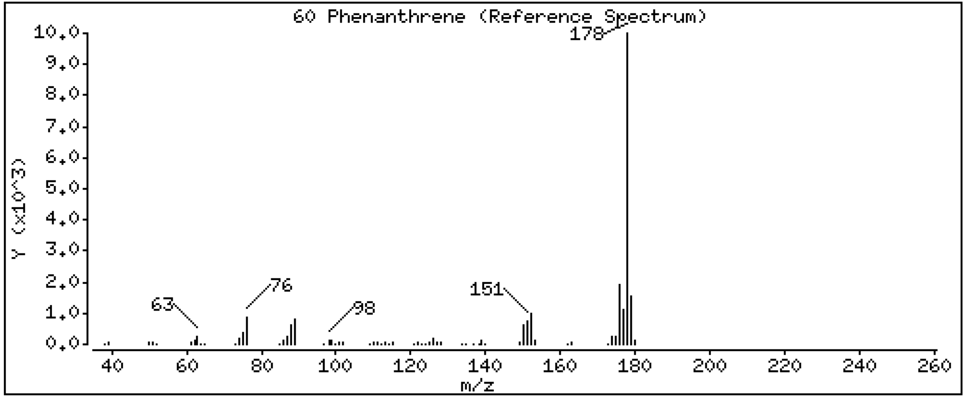
Operator: VTS

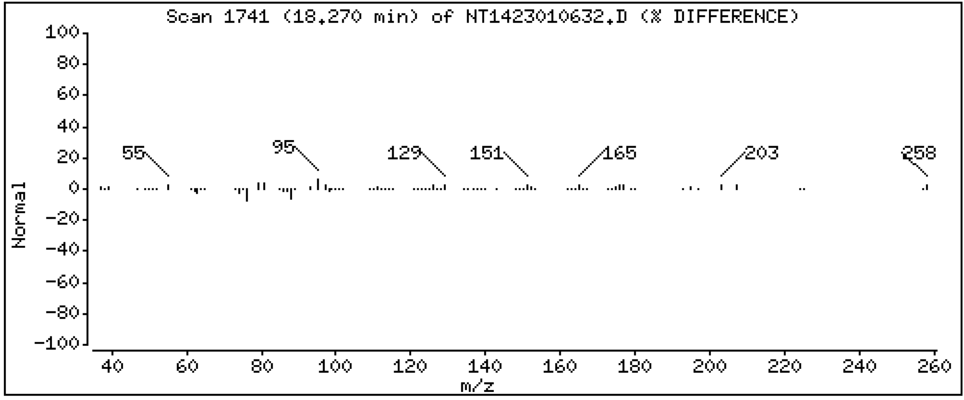
Column phase: ZB-5msi Column diameter: 0.25

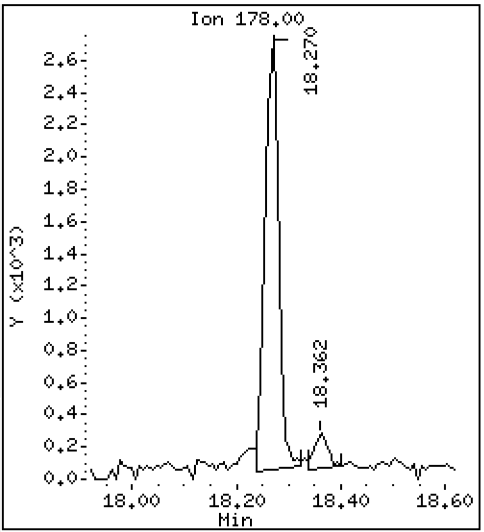
60 Phenanthrene Concentration: 0.05222 ug/mL

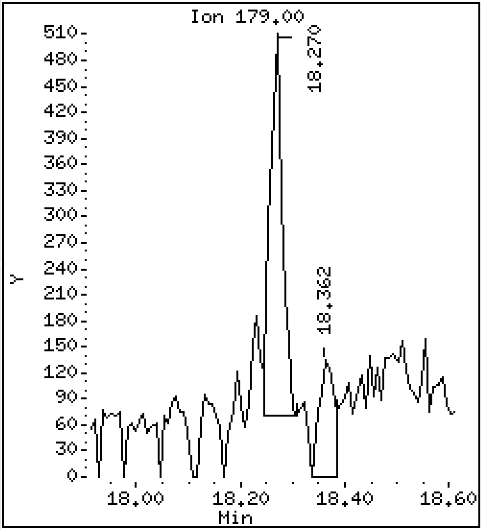


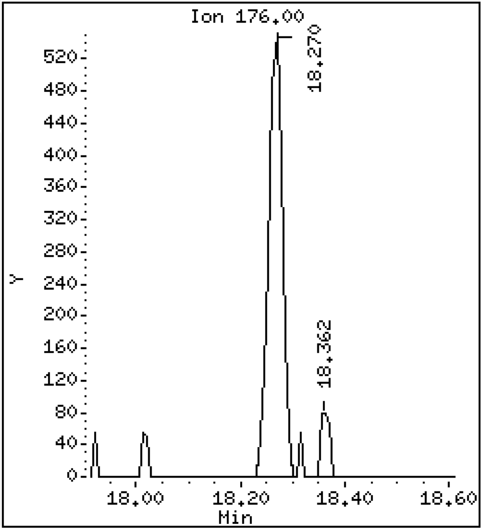












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Date : 07-JAN-2023 06:15

Client ID:

Instrument: nt14.i

Sample Info: 22L0307-42

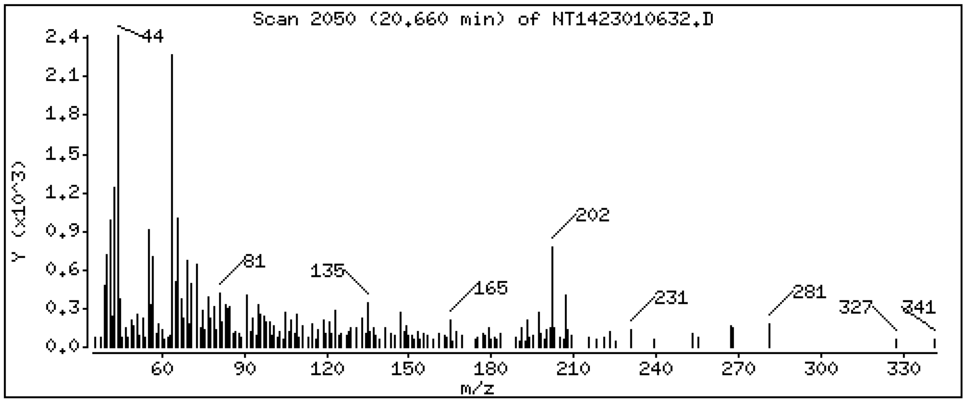
Operator: VTS

Column phase: ZB-5msi

Column diameter: 0.25

64 Fluoranthene

Concentration: 0.01779 ug/mL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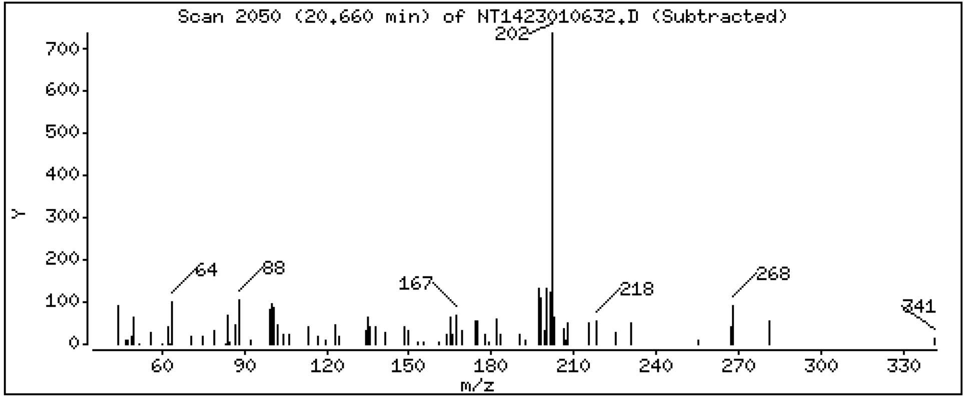
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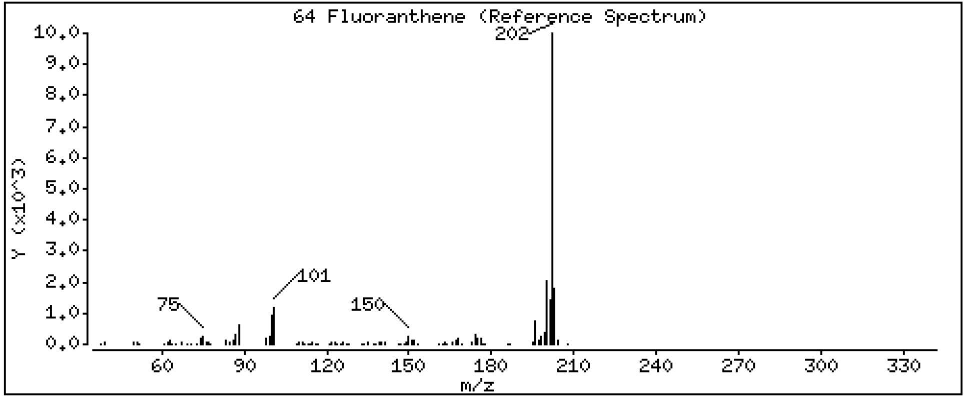
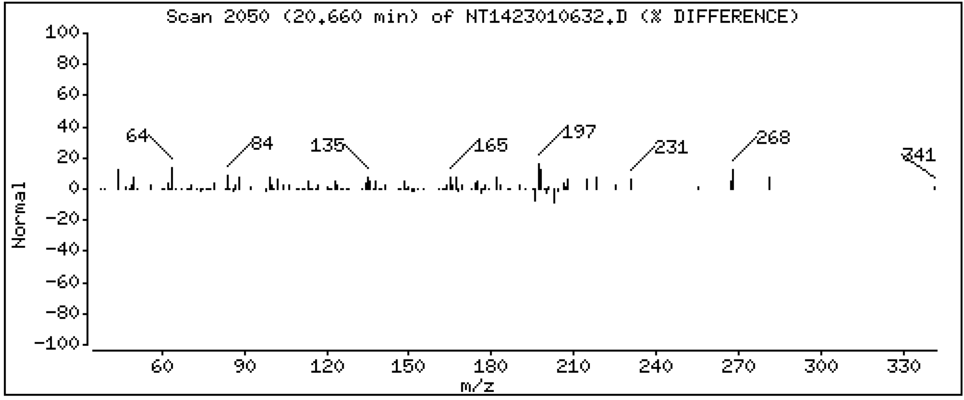

64 Fluoranthene (Reference Spectrum)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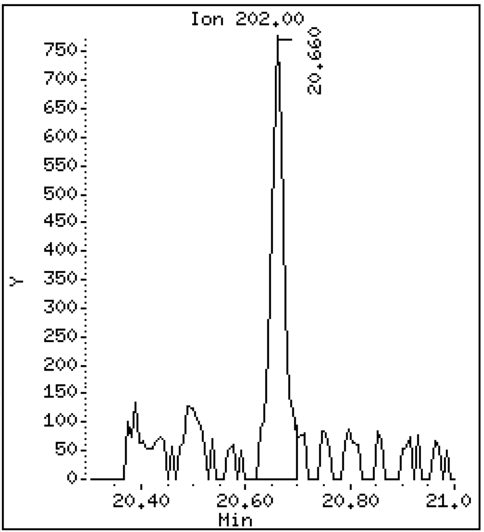
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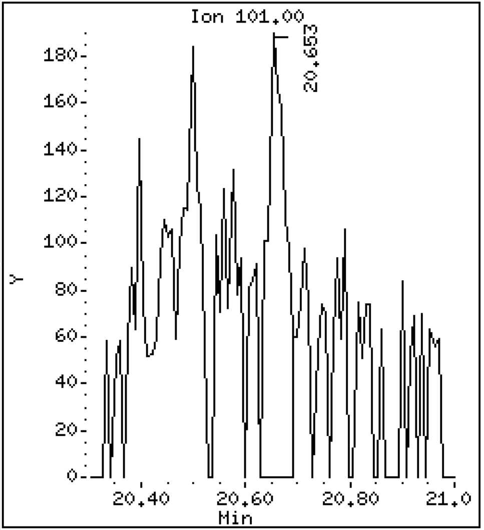
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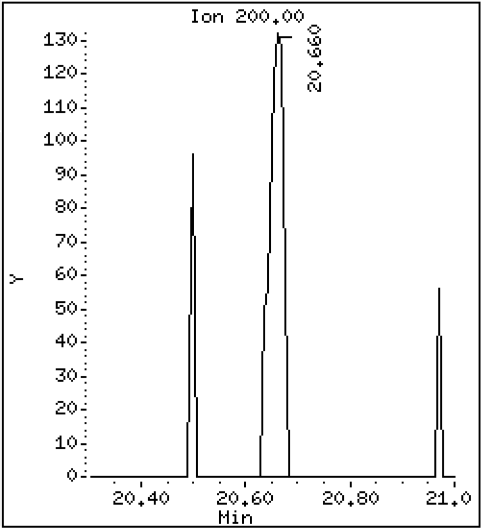
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Data File: \\target\share\chem3\nt14.i\20230106.b\NT1423010632.D

Date : 07-JAN-2023 06:15

Client ID:

Instrument: nt14.i

Sample Info: 22L0307-42

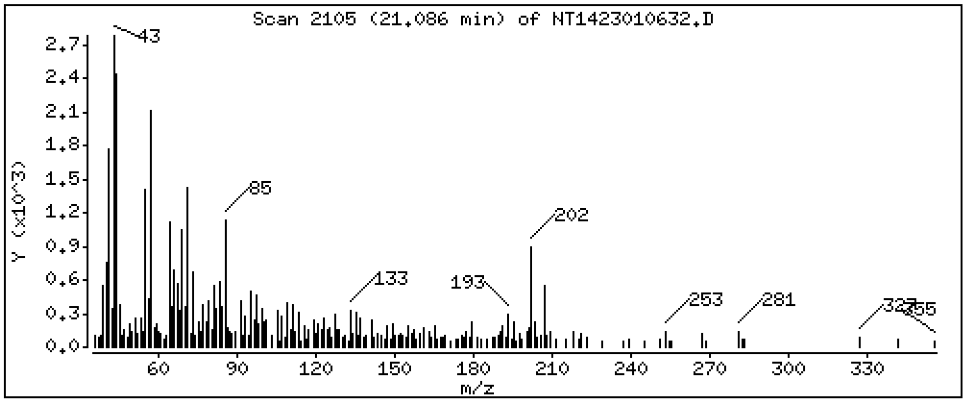
Operator: VTS

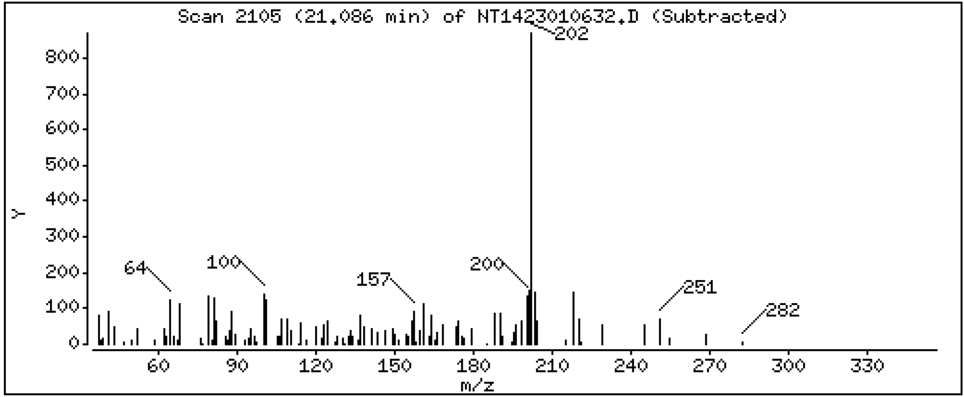
Column phase: ZB-5msi

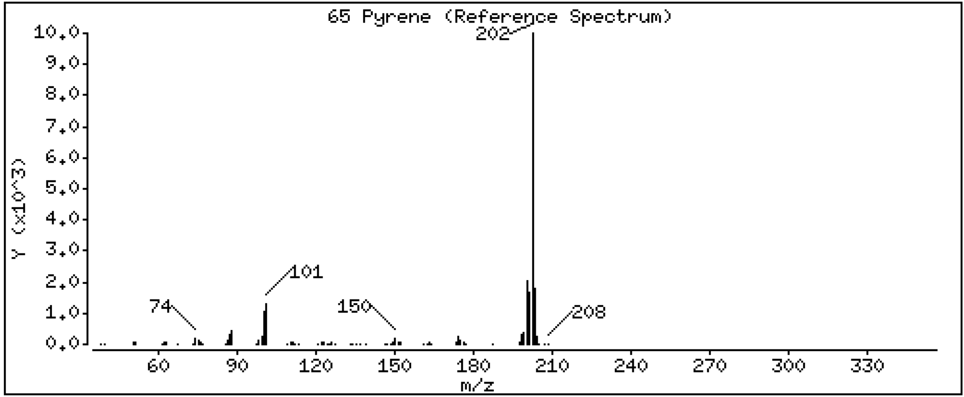
Column diameter: 0.25

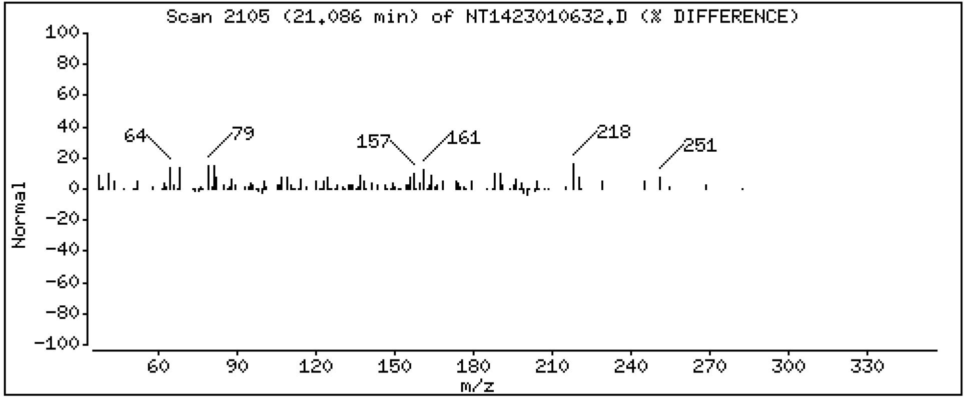
65 Pyrene

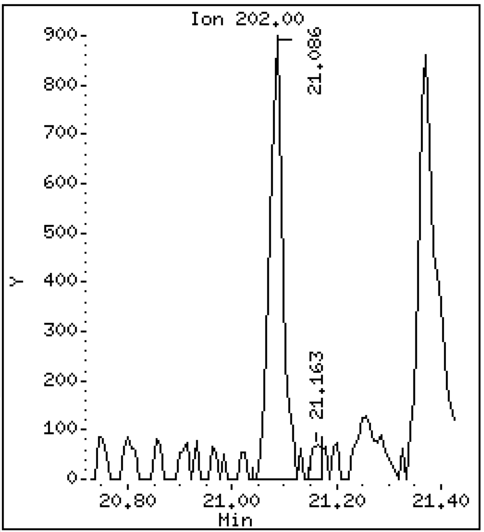
Concentration: 0.01807 ug/mL

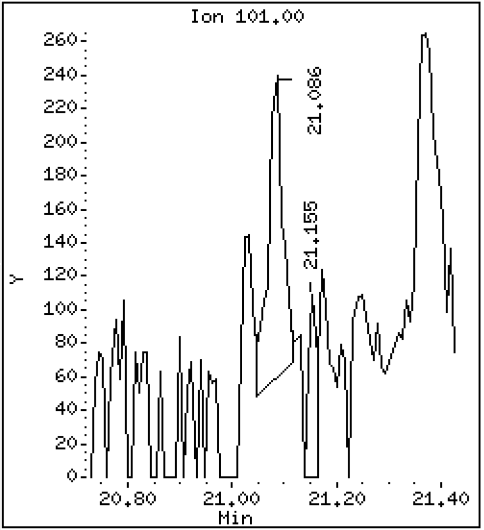


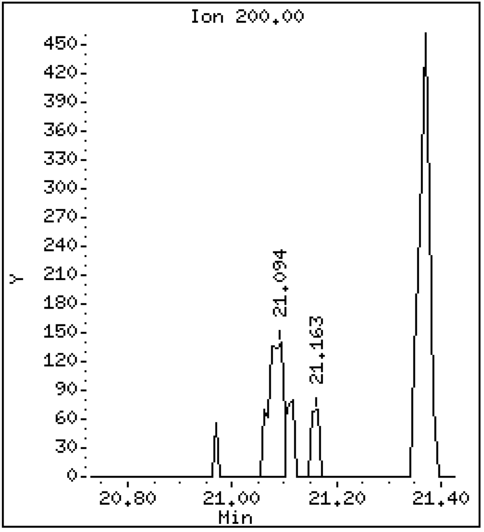












Data File: \\target\share\chem3\nt14.i\20230106.b\NT1423010632.D

Date : 07-JAN-2023 06:15

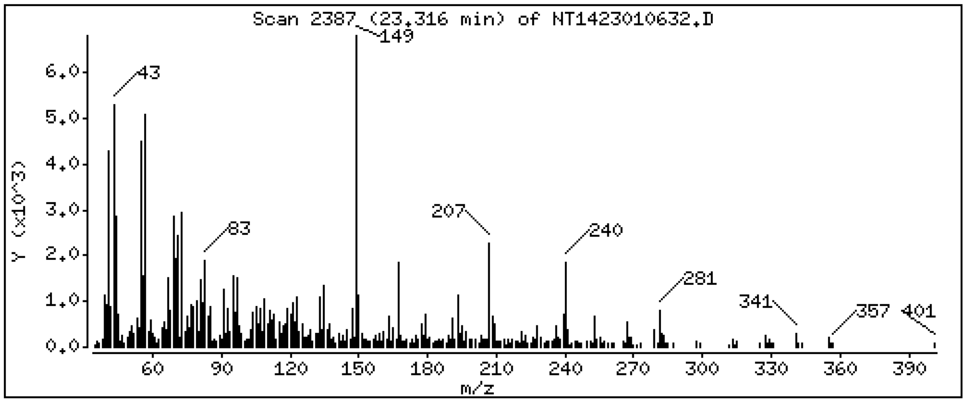
Client ID: Instrument: nt14.i

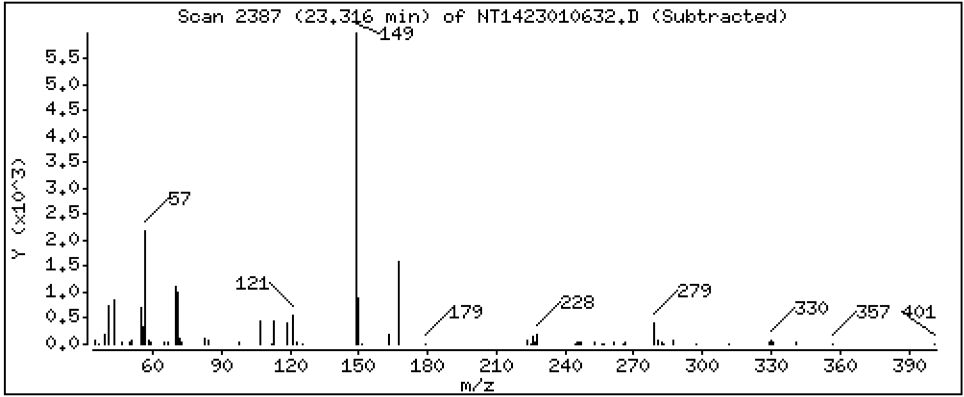
Sample Info: 22L0307-42

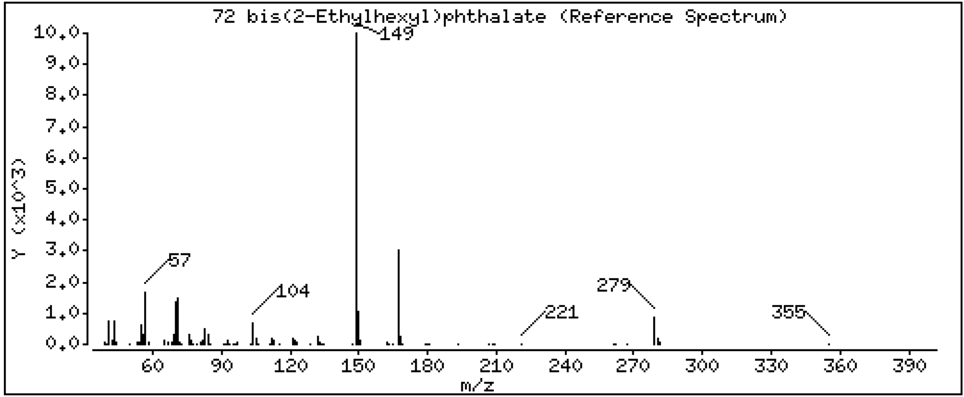
Operator: VTS

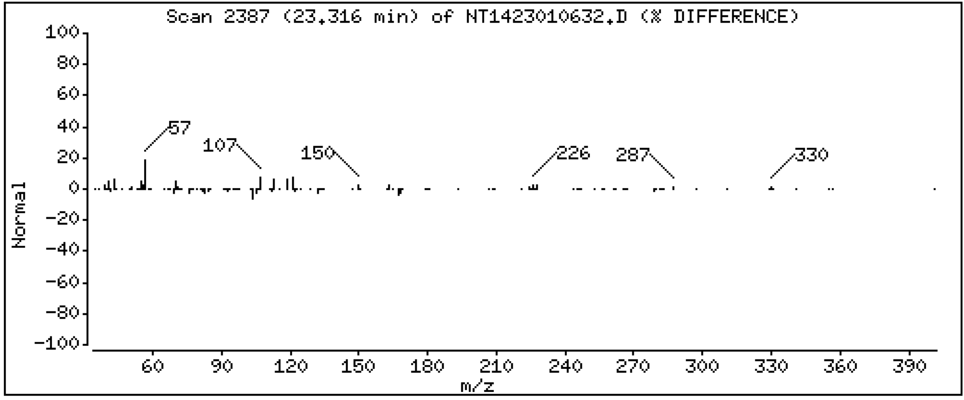
Column phase: ZB-5msi Column diameter: 0.25

72 bis(2-Ethylhexyl)phthalate Concentration: 0.1801 ug/mL


Scan 2387 (23.316 min) of NT1423010632.D


Scan 2387 (23.316 min) of NT1423010632.D (Subtracted)


72 bis(2-Ethylhexyl)phthalate (Reference Spectrum)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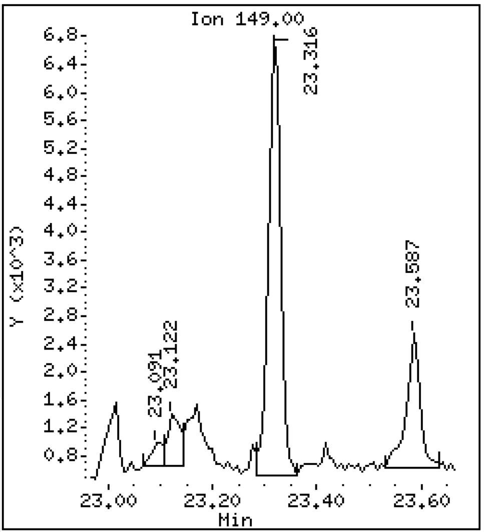
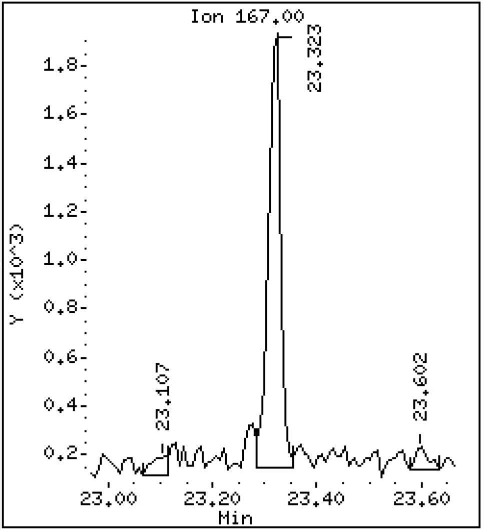
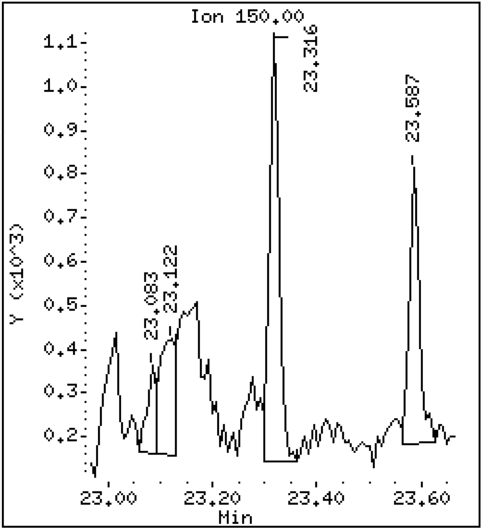

Ion 149.00


Ion 167.00


Ion 150.00

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Data File: \\target\share\chem3\nt14.i\20230106.b\NT1423010632.D Page 1
Report Date: 12-Jan-2023 08:17


                                  ARI Labs, Inc.

                       Semivolatile Report SW846 Method 8270D
Data file : \\target\share\chem3\nt14.i\20230106.b\NT1423010632.D
Lab Smp Id: 22L0307-42
Inj Date  : 07-JAN-2023 06:15           MS Autotune Date: 17-MAY-2011 01:22
Operator  : VTS                         Inst ID: nt14.i
Smp Info  : 22L0307-42
Misc Info :
Comment   : 1ul Injection
Method    : \\target\share\chem3\nt14.i\20230106.b\ABN.m
Meth Date : 12-Jan-2023 08:12 van       Quant Type: ISTD
Cal Date  : 30-DEC-2022 11:07           Cal File: NT1422123007.D
Als bottle: 29
Dil Factor: 1.00000
Integrator: HP RTE                      Compound Sublist: ICAL.sub
Target Version:  4.14
Processing Host: VANS-201906


                                                                                         CONCENTRATIONS
                                      QUANT SIG                                       ON-COLUMN    FINAL
Compounds                               MASS          RT   EXP RT   REL RT  RESPONSE    (ug/mL)    (ug/mL)
==========================              ====         ==== ======== ======== ========    =======    =======
$   1 2-Fluorophenol                     112        6.819   6.811 (0.755)      87434    2.43061      2.431
$   2 Phenol-d5                           99        8.410   8.403 (0.931)     213676    4.80658      4.807
    3 Phenol                              94            Compound Not Detected.
$   5 2-Chlorophenol-d4                  132        8.681   8.673 (0.961)     140492    3.76299      3.763
    4 Bis(2-Chloroethyl)ether             93            Compound Not Detected.
    6 2-Chlorophenol                     128            Compound Not Detected.
    7 1,3-Dichlorobenzene                146            Compound Not Detected.
*   8 1,4-Dichlorobenzene-d4             152        9.037   9.037 (1.000)     112282    4.00000
    9 1,4-Dichlorobenzene                146            Compound Not Detected.
$  10 1,2-Dichlorobenzene-d4             152        9.402   9.401 (1.040)     101100    3.96195      3.962
   12 1,2-Dichlorobenzene                146            Compound Not Detected.
   11 Benzyl alcohol                     108            Compound Not Detected.
   14 2,2'-oxybis(1-Chloropropane)       121            Compound Not Detected.
   13 2-Methylphenol                     108            Compound Not Detected.
   17 Hexachloroethane                   117            Compound Not Detected.
   16 N-Nitroso-di-n-propylamine          70            Compound Not Detected.
   15 4-Methylphenol                     108            Compound Not Detected.
$  18 Nitrobenzene-d5                    82        10.139  10.131 (0.878)     176692    5.05881      5.059
   19 Nitrobenzene                        77            Compound Not Detected.
   20 Isophorone                          82            Compound Not Detected.
   21 2-Nitrophenol                      139            Compound Not Detected.
   22 2,4-Dimethylphenol                 107            Compound Not Detected.
   23 Bis(2-Chloroethoxy)methane          93            Compound Not Detected.
   24 Benzoic acid                       105            Compound Not Detected.
   25 2,4-Dichlorophenol                 162            Compound Not Detected.
   26 1,2,4-Trichlorobenzene             180            Compound Not Detected.
*  27 Naphthalene-d8                    136        11.542  11.534 (1.000)     413618    4.00000
   28 Naphthalene                        128            Compound Not Detected.
   29 4-Chloroaniline                    127            Compound Not Detected.
   30 Hexachlorobutadiene                225            Compound Not Detected.
   31 4-Chloro-3-methylphenol            107            Compound Not Detected.
   32 2-Methylnaphthalene               142        12.981  12.981 (1.125)        730    0.00978   0.009777
   33 Hexachlorocyclopentadiene          237            Compound Not Detected.
```

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                                                                                          CONCENTRATIONS
                                      QUANT SIG                                         ON-COLUMN    FINAL
Compounds                               MASS           RT   EXP RT   REL RT  RESPONSE    (ug/mL)    (ug/mL)
==========================              ====          ==== ======== ======== ========    =======    =======
   34 2,4,6-Trichlorophenol               196           Compound Not Detected.
   35 2,4,5-Trichlorophenol               196           Compound Not Detected.
$  36 2-Fluorobiphenyl                   172        13.770  13.770 (0.908)     309340    4.48013      4.480
   37 2-Chloronaphthalene                 162           Compound Not Detected.
   38 2-Nitroaniline                       65           Compound Not Detected.
   39 Dimethylphthalate                   163           Compound Not Detected.
   40 Acenaphthylene                      152           Compound Not Detected.
   41 2,6-Dinitrotoluene                  165           Compound Not Detected.
*  42 Acenaphthene-d10                   164        15.171  15.171 (1.000)     205362    4.00000
   43 3-Nitroaniline                      138           Compound Not Detected.
   44 Acenaphthene                        153           Compound Not Detected.
   45 2,4-Dinitrophenol                   184           Compound Not Detected.
   46 Dibenzofuran                       168        15.565  15.565 (1.026)        501    0.00601   0.006014
   47 4-Nitrophenol                       109           Compound Not Detected.
   48 2,4-Dinitrotoluene                  165           Compound Not Detected.
   50 Diethylphthalate                   149        16.129  16.137 (1.063)     105321    1.33794      1.338
   49 Fluorene                            166           Compound Not Detected.
   51 4-Chlorophenyl-phenylether          204           Compound Not Detected.
   52 4-Nitroaniline                      138           Compound Not Detected.
   53 4,6-Dinitro-2-methylphenol          198           Compound Not Detected.
   54 N-Nitrosodiphenylamine              169           Compound Not Detected.
$  55 2,4,6-Tribromophenol               330        16.816  16.816 (1.108)       6218    0.64484     0.6448
   56 4-Bromophenyl-phenylether           248           Compound Not Detected.
   57 Hexachlorobenzene                   284           Compound Not Detected.
   58 Pentachlorophenol                   266           Compound Not Detected.
*  59 Phenanthrene-d10                   188        18.223  18.215 (1.000)     339082    4.00000
   60 Phenanthrene                       178        18.269  18.269 (1.003)       4617    0.05222    0.05222
   61 Anthracene                          178           Compound Not Detected.
   62 Carbazole                           167           Compound Not Detected.
   63 Di-n-butylphthalate                 149           Compound Not Detected.
   64 Fluoranthene                       202        20.660  20.652 (0.888)       1393    0.01779    0.01779
   65 Pyrene                             202        21.085  21.077 (0.906)       1488    0.01807    0.01807
$  66 Terphenyl-d14                      244        21.372  21.364 (0.918)     288934    4.94945      4.949
   67 Butylbenzylphthalate                149           Compound Not Detected.
   68 Benzo(a)anthracene                  228           Compound Not Detected.
*  69 Chrysene-d12                       240        23.276  23.276 (1.000)     243191    4.00000
   70 3,3'-Dichlorobenzidine              252           Compound Not Detected.
   71 Chrysene                            228           Compound Not Detected.
   72 bis(2-Ethylhexyl)phthalate         149        23.315  23.315 (0.959)       9729    0.18011     0.1801
* 134 Di-n-octylphthalate-d4             153        24.306  24.298 (1.000)     486372    4.00000
   73 Di-n-octylphthalate                 149           Compound Not Detected.
   74 Benzo(b)fluoranthene                252           Compound Not Detected.
   75 Benzo(k)fluoranthene                252           Compound Not Detected.
   76 Benzo(a)pyrene                      252           Compound Not Detected.
*  77 Perylene-d12                       264        25.909  25.901 (1.000)     267860    4.00000
   78 Indeno(1,2,3-cd)pyrene              276           Compound Not Detected.
   79 Dibenzo(a,h)anthracene              278           Compound Not Detected.
   80 Benzo(g,h,i)perylene                276           Compound Not Detected.
   90 N-Nitrosodimethylamine               74           Compound Not Detected.
   91 Aniline                              93           Compound Not Detected.
   93 Benzidine                           184           Compound Not Detected.
  103 Pyridine                             79           Compound Not Detected.
  105 1-methylnaphthalene                 142           Compound Not Detected.
  111 Azobenzene (1,2-DP-Hydrazine)        77           Compound Not Detected.
```

```
                                                                                                 CONCENTRATIONS
                                     QUANT SIG                                                 ON-COLUMN    FINAL
Compounds                              MASS          RT   EXP RT   REL RT  RESPONSE     (ug/mL)    (ug/mL)
==========================             ====         ==== ======== ======== ========     =======    =======
  187 Total Benzofluoranthenes          252           Compound Not Detected.
  120 2,3,4,6-Tetrachlorophenol         232           Compound Not Detected.
```

```
Data File: \\target\share\chem3\nt14.i\20230106.b\NT1423010632.D Page 1
Report Date: 12-Jan-2023 08:17

                                 ARI Labs, Inc.

                           INTERNAL STANDARD COMPOUNDS
                               AREA AND RT SUMMARY

Instrument ID: nt14.i                          Calibration Date: 06-JAN-2023
Lab File ID: NT1423010632.D                    Calibration Time: 22:27
Lab Smp Id: 22L0307-42
Analysis Type: SV                                    Level:
Quant Type: ISTD                               Sample Type:
Operator: VTS
Method File: \\target\share\chem3\nt14.i\20230106.b\ABN.m
Misc Info:

Test Mode:
           Use Last Continuing Calibrator.

|______________________|__________|__________|__________|__________|_______|
|                      |          |       AREA LIMIT    |          |       |
| COMPOUND             | STANDARD |  LOWER   |  UPPER   |  SAMPLE  | %DIFF |
|======================|==========|==========|==========|==========|=======|
|  8 1,4-Dichlorobenze |   114022 |    57011 |   228044 |   112282 |  -1.53|
| 27 Naphthalene-d8    |   420653 |   210327 |   841306 |   413618 |  -1.67|
| 42 Acenaphthene-d10  |   216802 |   108401 |   433604 |   205362 |  -5.28|
| 59 Phenanthrene-d10  |   366121 |   183061 |   732242 |   339082 |  -7.39|
| 69 Chrysene-d12      |   276883 |   138442 |   553766 |   243191 | -12.17|
|134 Di-n-octylphthala |   540641 |   270321 |  1081282 |   486372 | -10.04|
| 77 Perylene-d12      |   308305 |   154153 |   616610 |   267860 | -13.12|
|______________________|__________|__________|__________|__________|_______|


|______________________|__________|__________|__________|__________|_______|
|                      |          |        RT LIMIT     |          |       |
| COMPOUND             | STANDARD |  LOWER   |  UPPER   |  SAMPLE  | %DIFF |
|======================|==========|==========|==========|==========|=======|
|  8 1,4-Dichlorobenze |     9.04 |     8.54 |     9.54 |     9.04 |   0.00|
| 27 Naphthalene-d8    |    11.53 |    11.03 |    12.03 |    11.54 |   0.07|
| 42 Acenaphthene-d10  |    15.17 |    14.67 |    15.67 |    15.17 |   0.00|
| 59 Phenanthrene-d10  |    18.22 |    17.72 |    18.72 |    18.22 |   0.04|
| 69 Chrysene-d12      |    23.28 |    22.78 |    23.78 |    23.28 |   0.00|
|134 Di-n-octylphthala |    24.30 |    23.80 |    24.80 |    24.31 |   0.03|
| 77 Perylene-d12      |    25.90 |    25.40 |    26.40 |    25.91 |   0.03|
|______________________|__________|__________|__________|__________|_______|

AREA UPPER LIMIT = +100% of internal standard area.
AREA LOWER LIMIT = - 50% of internal standard area.
RT UPPER LIMIT = + 0.50 minutes of internal standard RT.
RT LOWER LIMIT = - 0.50 minutes of internal standard RT.
```

```
REVIEW SUMMARY FOR FILE - NT1423010632.D

Lab ID: 22L0307-42
nt14.i,  20230106.b\ABN.m,    07-JAN-2023 06:15


     RT      CO-ELUTION COMPOUNDS
---------------------------------------------------------------------------

            NO CO-ELUTIONS



Quant Method: ICAL




        RRT CHECK

   RRT    CCV RRT   DELTA    COMPOUND
 -------------------------------------

   NONE

  RRT check based on Ccal File: NT1423010619.D



 On Column LOD for nt14.i, 20230106.b\ABN.m, ICAL.sub = 0.0000



 * Only compounds listed in the work order have been verified by the analyst *
```

PREPARATION BATCH SUMMARY

EPA 8270E

Laboratory: Analytical Resources, LLC
SDG: 22L0307
Client: Anchor QEA, LLC
Project: AOC4 UR Phase 3
Batch: BKL0585
Batch Matrix: Solid
Preparation: EPA 3546 (Microwave)

SAMPLE NAME	LAB SAMPLE ID	LAB FILE ID	DATE PREPARED	OBSERVATIONS
LDW22-SC804B	22L0307-35	NT1423010625.D	12/27/22 11:08	
LDW22-SC804C	22L0307-36	NT1423010626.D	12/27/22 11:08	
LDW22-SC804D	22L0307-37	NT1423010627.D	12/27/22 11:08	
LDW22-SC804E	22L0307-38	NT1423010628.D	12/27/22 11:08	
LDW22-SC804F	22L0307-39	NT1423010629.D	12/27/22 11:08	
LDW22-SC804F-FD	22L0307-40	NT1423010630.D	12/27/22 11:08	
LDW22-SC804G	22L0307-41	NT1423010631.D	12/27/22 11:08	
LDW22-SC804H	22L0307-42	NT1423010632.D	12/27/22 11:08	
Blank	BKL0585-BLK1	NT1423010611.D	12/27/22 11:08	
Blank	BKL0585-BLK2	NT1423010621.D	12/27/22 11:08	
LCS	BKL0585-BS1	NT1423010612.D	12/27/22 11:08	
LCS Dup	BKL0585-BSD1	NT1423010613.D	12/27/22 11:08	
Reference	BKL0585-SRM1	NT1423010633.D	12/27/22 11:08	

Analytical Resources, LLC
Analytical Chemists and Consultants

ORGANICS PREPARATION BENCH SHEET

Batch: BKL0585

Prepared using: EPA 3546 (Microwave)

8270E SVOC (20ug/kg solid or 0.2ug/L low H2O Sepf) in Solid (Version:ButylBenzylPhth Only)

Matrix: Solid **Date Prepared:** 12/27/22 **Balance ID:** B146462614 **Set Up By:** CD 12/22/22

WO Comments

22L0246: <G> BPR Project batch as much as possible </G> <C>BPR SRM, MS, DUP </C> <M>BPR PS, MS/MSD </M> <E>BPR 8270E RM H002055, SIM RM H010158, PCB RM J006840-43, 7935-36, MS/MSD </E>
<H>BPR J006840-43, 7935-36 Dup </H> Store immediately in freezer (except GS)
22L0307: <G> BPR Project batch as much as possible </G> <C>BPR SRM, MS, DUP </C> <M>BPR PS, MS/MSD </M> <E>BPR 8270E RM H002055, SIM RM H010158, PCB RM J006840-43, 7935-36, MS/MSD </E>
<H>BPR J006840-43, 7935-36 Dup </H> Store immediately in freezer (except GS)

The following standards may be missing from this batch!

Designator	Description
39	Benzidine Spike
QLS 14	QLS Spike (Freezer)

Analysis: 8270E SVOC (20ug/kg solid or 0.2ug/L low H2O Sepf)

Lab Number & Container	% Solids	Initial (g) Target Dry: 10 (Wet)	Actual	(REQ) GPC C/U (1:1) 1 [✓ 2] 3	Water Wash 1mL	Final Effective Vol (mL)	Vol (mL) to Lab	Extraction Comments
22L0246-43 C	61.3	(16.31)	16.35	(1:1)	1mL	1	0.5	
22L0246-44 C	48.3	(20.71)	20.71	(1:1)	1mL	1	0.5	
22L0246-45 C	79.7	(12.55)	12.56	(1:1)	1mL	1	0.5	
22L0246-46 C	82.0	(12.20)	12.23	(1:1)	1mL	1	0.5	
22L0246-47 C	71.1	(14.06)	14.06	(1:1)	1mL	1	0.5	
22L0246-48 C	91.7	(10.91)	10.97	(1:1)	1mL	1	0.5	
22L0307-35 B	71.2	(14.04)	14.09	(1:1)	1mL	1	0.5	
22L0307-36 B	78.9	(12.68)	12.71	(1:1)	1mL	1	0.5	
22L0307-37 B	57.0	(17.54)	17.58	(1:1)	1mL	1	0.5	
22L0307-38 B	79.1	(12.64)	12.68	(1:1)	1mL	1	0.5	
22L0307-39 B	73.5	(13.61)	13.62	(1:1)	1mL	1	0.5	
22L0307-40 B	74.2	(13.49)	13.49	(1:1)	1mL	1	0.5	
22L0307-41 B	70.8	(14.13)	14.15	(1:1)	1mL	1	0.5	
22L0307-42 B	74.6	(13.41)	13.47	(1:1)	1mL	1	0.5	

Batch QC

Lab Number	% Solids	Initial (g) Target Dry: 10 (Wet)	Actual	(REQ) GPC C/U (1:1) 1 [✓ 2] 3	Water Wash 1mL	Final Effective Vol (mL)	Vol (mL) to Lab	Extraction Comments
BKL0585-BLK1	100.0	(10.00)	10.00	(1:1)	1mL	1	0.5	Use 5g Neutral Sodium Sulfate for Blanks
BKL0585-BS1	100.0	(10.00)	10.00	(1:1)	1mL	1	0.5	Use 5g Neutral Sodium Sulfate for Blanks
BKL0585-BSD1	100.0	(10.00)	10.00	(1:1)	1mL	1	0.5	Use 5g Neutral Sodium Sulfate for Blanks
BKL0585-MS1	79.7	(12.55)	12.55	(1:1)	1mL	1	0.5	Use 22L0246-45
BKL0585-MSD1	79.7	(12.55)	12.55	(1:1)	1mL	1	0.5	Use 22L0246-45
BKL0585-SRM1	100.0	~~(10.00)~~ (1.00) +1g DI WATER	1.00	(1:1)	1mL	1	0.5	Use K003477

Printed: 12/22/2022 1:50:25PM

Analytical Resources, LLC
Analytical Chemists and Consultants

ORGANICS PREPARATION BENCH SHEET

Batch: BKL0585

Prepared using: EPA 3546 (Microwave)

8270E SVOC (20ug/kg solid or 0.2ug/L low H2O Sepf) in Solid (Version:ButylBenzylPhth Only)

WO Comments

22L0246: <G> BPR Project batch as much as possible </G> <C>BPR SRM, MS, DUP </C> <M>BPR PS, MS/MSD </M> <E>BPR 8270E RM H002055, SIM RM H010158, PCB RM J006840-43, 7935-36, MS/MSD </E>
<H>BPR J006840-43, 7935-36 Dup </H> Store immediately in freezer (except GS)

22L0307: <G> BPR Project batch as much as possible </G> <C>BPR SRM, MS, DUP </C> <M>BPR PS, MS/MSD </M> <E>BPR 8270E RM H002055, SIM RM H010158, PCB RM J006840-43, 7935-36, MS/MSD </E>
<H>BPR J006840-43, 7935-36 Dup </H> Store immediately in freezer (except GS)

	12/27/22	NRB	1/4/23	12/27/22	11:08
Client ID verified By	Date	Preparation Reviewed By	Date	Extraction Date and Time	

Printed: 12/22/2022 1:50:25PM

Analytical Resources, LLC
Analytical Chemists and Consultants

ORGANICS PREPARATION BENCH SHEET

Batch: BKL0585

Prepared using: EPA 3546 (Microwave)

8270E SVOC (20ug/kg solid or 0.2ug/L low H2O Sepf) in Solid (Version:ButylBenzylPhth Only)

WO Comments

22L0246: <G> BPR Project batch as much as possible </G> <C>BPR SRM, MS, DUP </C> <M>BPR PS, MS/MSD </M> <E>BPR 8270E RM H002055, SIM RM H010158, PCB RM J006840-43, 7935-36, MS/MSD </E>
<H>BPR J006840-43, 7935-36 Dup </H> Store immediately in freezer (except GS)
22L0307: <G> BPR Project batch as much as possible </G> <C>BPR SRM, MS, DUP </C> <M>BPR PS, MS/MSD </M> <E>BPR 8270E RM H002055, SIM RM H010158, PCB RM J006840-43, 7935-36, MS/MSD </E>
<H>BPR J006840-43, 7935-36 Dup </H> Store immediately in freezer (except GS)

Prep Steps

Microwave [✓ 1] 2 3 CJ 12/27/22 Analyst/Date
Pre-GPC KD **100°C** **Exchange to Hexane** **(add 10 mL to KD)** 0 2 [✓ 4] [✓ 5] 6 AA 12-30-22 Analyst/Date
TurboVap **Pre GPC** 1 2 3 [✓ 4] 5 TWC 01/02/23 Analyst/Date
Post GPC KD **80-85°C** [✓ 0] [✓ 2] 4 5 6 NRB 1/3/23 Analyst/Date
TurboVap 1 2 3 [✓ 4] 5 NRB 1/4/23 * Analyst/Date
Water Wash NRB 1/4/23 Analyst/Date

Reagents Used

Station/Reagent	**Standard ID**
Microwave **Analyst:** Y, KCJ **Date:** 12/27/22	
Anhydrous Sodium Sulfate	K011562
1:1 Methylene Chloride/Acetone	K011567
Methylene Chloride	K010561
Pre-Deactivated Glass Wool	K010195
Pre GPC KD **Analyst:** AA **Date:** 12-30-22	
Pre-Deactivated Glass Wool	NA
Anhydrous Sodium Sulfate	NA
Methylene Chloride	K07902
Hexane	K011373
GPC Filter Prep **Analyst:** TWC **Date:** 01/02/23	
Methylene Chloride	K005942
GPC **Analyst:** TWC **Date:** 01/02/23	
Methylene Chloride	K005942
GPC Calibration File	CKK0135-GPC-2
Post GPC KD **Analyst:** NRB **Date:** 1/3/23	
Methylene Chloride	K010561
Vialing **Analyst:** NRB **Date:** 1/4/23	
Methylene Chloride	~~K0~~ K005281

Surrogates & Spike Standards Used

Type	Vial ID / Standard ID	Vol uL	Analyst	Witness
Surrogate 100/150µg/mL	**A** K010466 Exp Date: 5/9/2023	50µL	CJ	
Full List Spike (Freezer) 100µg/mL	**7** K011369 (V) K011297 Exp Date: 8/31/2023	50µL	CJ	
Base Spike 200µg/mL	**56** K011369 (V) K003759 Exp Date: 4/19/2023	50µL	CJ	
Acid Spike 100/200µg/mL	**38** K011369 (V) K003760 Exp Date: 4/19/2023	50µL	CJ	

MANUALLY ENTER EXPIRATION DATES!

(V) indicates a virtual standard combining two or more physical standards. In these cases the Standard ID refers to the virtual standard, not the parent standards.

If a Standard ID is missing, but should be present, check the standard definition in Element LIMS to be sure Standard Info 6 has the correct letter or number designator matching the vial designator inthe Standard ID column. If it is correct, check the batch and bench sheet in Element LIMS to be sure the correct standards are selected for surrogate(s) and spike(s).

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3036F

Analytical Resources, LLC
Analytical Chemists and Consultants

ORGANICS PREPARATION BENCH SHEET

Batch: BKL0585

Prepared using: EPA 3546 (Microwave)

8270E SVOC (20ug/kg solid or 0.2ug/L low H2O Sepf) in Solid (Version:ButylBenzylPhth Only)

WO Comments

22L0246: <G> BPR Project batch as much as possible </G> <C>BPR SRM, MS, DUP </C> <M>BPR PS, MS/MSD </M> <E>BPR 8270E RM H002055, SIM RM H010158, PCB RM J006840-43, 7935-36, MS/MSD </E>
<H>BPR J006840-43, 7935-36 Dup </H> Store immediately in freezer (except GS)
22L0307: <G> BPR Project batch as much as possible </G> <C>BPR SRM, MS, DUP </C> <M>BPR PS, MS/MSD </M> <E>BPR 8270E RM H002055, SIM RM H010158, PCB RM J006840-43, 7935-36, MS/MSD </E>
<H>BPR J006840-43, 7935-36 Dup </H> Store immediately in freezer (except GS)

Prep Instructions

SPECIAL INSTRUCTIONS:
1. Weigh into beakers-lightly dry with Sodium Sulfate.
2. Transfer to microwave vessel.
3. Add DCM ONLY to the vessels (until solvent is 3 inches above
soil layer after homogenization).
4. Add surr/spike.
5. Microwave on appropriate power setting determined by # of samples.
6. After microwave-re-homogenize while hot then let cool 10-15 min in Refridgerator 05. Re-homogenize while cool.
7. Decant DCM into Erlenmeyer flask with a funnel containing pre-deactivated glasswool.
8. Rinse with DCM
9. Microwave a 2nd time using 1:1 DCM/ACE.
10. Let cool and decant the solvent then empty the soil into the funnel and rinse with DCM.
11. KD: Add 10 mL Hexane directly to extract in the KD.
12. GPC REQUIRED 100°C water bath (CLP) KD to 5mL.
13. Vialers to take 1:5 Split Pre- GPC.
14. (After GPC): KD at 80°C.
15. TurboVap to 1mL in DCM.
16. WATER WASH REQUIRED:
    16a. Vial 1mL of all extracts in 2mL amber vials in DCM.
    16b. Add ~0.5mL DI water and vortex for ~5 seconds each.
    16c. Centrifuge extracts for 5 minutes at 1500-2000rpm.
    16d. Transfer and vial 0.5mL to new 2mL amber vials
(Avoiding collecting water in syringe and cleaning syringe with Acetone and DCM between each vial).
17. Archive water wahed vials and deliever new vials to GC Department for analysis.

A. Need Total Solids Y [✓ N]

B. Archive/Freeze [✓ Y] N

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Analytical Resources,
Incorporated
Analytical Chemists and
Consultants

Organic Extractions Laboratory
Analyst Notes

Extraction Parameter: PSDDA / SVOC   Extraction Batch BKL0585

Total Solids Batch: BKL0402   Work Order(s): 22L0246 41-48

Screens: Soil/Sediment/Solid/Other:	Analyst/Date
☒ No Anomalies (standard soil/wet sediment/sand/gravel)= 41-48	CR 12/19/22
☒ Standing Water Decanted (Not shared)= 41,42	CR 12/19/22
☐ Standing Water Homogenized (Shared samples)=	
☐ Clay/Clumps (Difficult to homogenize)=	
☐ Rocks (%+size)?	
☐ Organics (Leaves/sticks/grass)=	
☐ Oily, obvious fuel/sulfur odors=	
☐ Received in 32oz jar(s)=Homogenized in Pyrex dish=	
☒ Previously Frozen = 41-48	CR 12/19/22
☐ Other (Details)=	
Aqueous:	
☐ No Anomalies	
☐ Turbid/Color=	
☐ Particulates(%)=(Note: >5%=Notify Supervisor/Lead)	
☐ Emulsions (%)=	
☐ Oily, obvious fuel/sulfur odors=	
☐ Other (Details)=	
☐ Received in 1.0L Bottle(s)=No Bottle Rinse=	
☐ Other Notes/Comments= (Note problems, concerns, corrective actions).	

☒ Share Samples Y / [✓ N]

☒ Multiple Jars Y [✓ N]

☐ Sample Pre-Screens indicate analyte activity=

☐ Sample weights/volumes reduced based on Pre-Screen=

3056F

Analytical Resources, Incorporated
Analytical Chemists and Consultants

Organic Extractions Laboratory Analyst Notes

Extraction Parameter: SVOA

Extraction Batch: BKL0535

Total Solids Batch: BKL0483

Work Order(s): 22L0307 21-40

Screens: Soil/Sediment/Solid/Other:	Analyst/Date
☒ No Anomalies (standard soil/wet sediment/sand/gravel)= 21-40	CR 12/21/22
☒ Standing Water Decanted (Not shared)= 21, 22, 24, 27, 29, 35, 38	CR 12/21/22
☐ Standing Water Homogenized (Shared samples)=	
☐ Clay/Clumps (Difficult to homogenize)=	
☐ Rocks (%+size)?	
☐ Organics (Leaves/sticks/grass)=	
☐ Oily, obvious fuel/sulfur odors=	
☐ Received in 32oz jar(s)=Homogenized in Pyrex dish=	
☒ Previously Frozen = 21-40	CR 12/21/22
☐ Other (Details)=	
Aqueous:	
No Anomalies	
☐ Turbid/Color=	
☐ Particulates(%)=(Note: >5%=Notify Supervisor/Lead)	
☐ Emulsions (%)=	
☐ Oily, obvious fuel/sulfur odors=	
☐ Other (Details)=	
☐ Received in 1.0L Bottle(s)=No Bottle Rinse=	
☐ Other Notes/Comments= (Note problems, concerns, corrective actions).	
☒ Share Samples Y / [✓ N]	CR 12/21/22
☒ Multiple Jars Y / [✓ N]	CR 12/21/22
☐ Sample Pre-Screens indicate analyte activity=	
☐ Sample weights/volumes reduced based on Pre-Screen=	

3056F

Revision 15
07/01/19

Analytical Resources,
Incorporated
Analytical Chemists and
Consultants

Organic Extractions Laboratory
Analyst Notes

Extraction Parameter: SVOA Extraction Batch BKL0585

Total Solids Batch: BKL0484 Work Order(s): 22L0307 41-60

Screens: Soil/Sediment/Solid/Other:	**Analyst/Date**
☒ No Anomalies (standard soil/wet sediment/sand/gravel)= 41-51, 54-60	CR 12/21/22
☒ Standing Water Decanted (Not shared)= 41, 43-47, 50-54	CR 12/21/22
☐ Standing Water Homogenized (Shared samples)=	
☐ Clay/Clumps (Difficult to homogenize)=	
☐ Rocks (%+size)?	
☐ Organics (Leaves/sticks/grass)=	
☒ [✓ Oily], obvious fuel/sulfur odors= 52,53	CR 12/21/22
☐ Received in 32oz jar(s)=Homogenized in Pyrex dish=	
☒ Previously Frozen = 41-60	CR 12/21/22
☐ Other (Details)=	
Aqueous:	
No Anomalies	
☐ Turbid/Color=	
☐ Particulates(%)=(Note: >5%=Notify Supervisor/Lead)	
☐ Emulsions (%)=	
☐ Oily, obvious fuel/sulfur odors=	
☐ Other (Details)=	
☐ Received in 1.0L Bottle(s)=No Bottle Rinse=	
☐ Other Notes/Comments= (Note problems, concerns, corrective actions).	
☒ Share Samples Y / [✓ N]	CR 12/21/22
☒ Multiple Jars Y / [✓ N]	CR 12/21/22
☐ Sample Pre-Screens indicate analyte activity=	
☐ Sample weights/volumes reduced based on Pre-Screen=	

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Revision 15
07/01/19

BKL0585 22L0246/307 PSDDA SVOC

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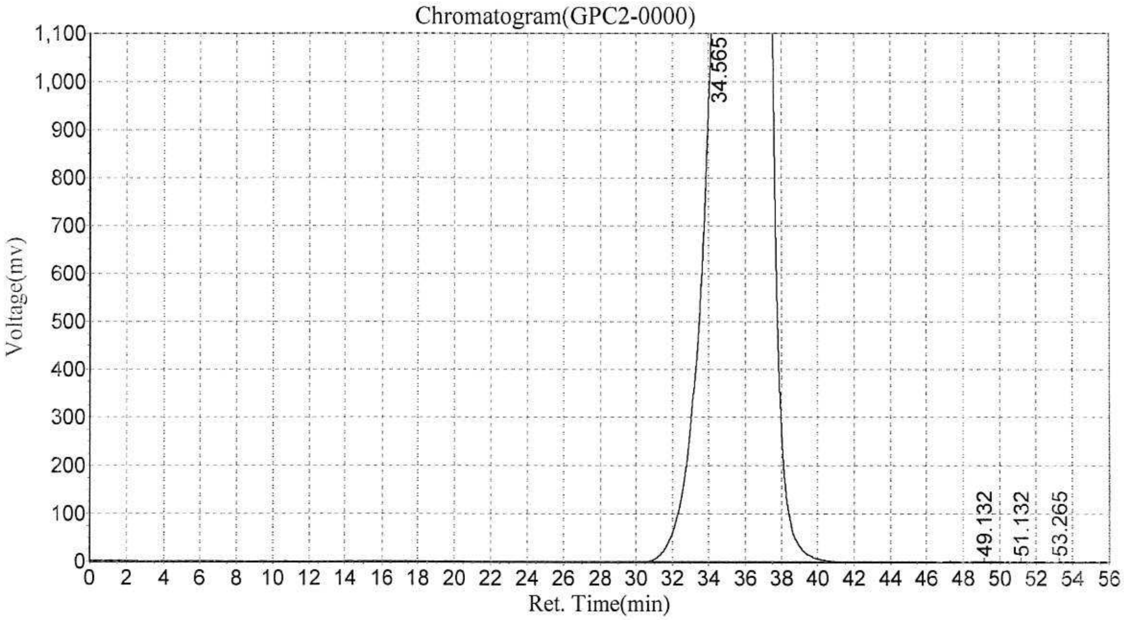
Method File:E:\GPC2_InHouse.mtd

Analyst£ºTWC
Date/Time2023-01-02,4:53:36 PM



Results

Peak No.	Peak ID	Ret Time	Height	Area	Conc
1		34.565	1376773.875	355406368.000	99.8569
2		49.132	1717.000	171127.328	0.0481
3		51.132	1873.875	177088.297	0.0498
4		53.265	1950.208	160932.750	0.0452
Total			1382314.958	355915516.375	100.000

Ingredient Table

No	Peak ID	Ret Time	Peak Width	Factor1	Factor2	ISTD Wt.
1	Collect Pest	29.000	0.010	0.00E+000	0.00E+000	0.0000
2	Dump Pest	46.000	0.010	0.00E+000	0.00E+000	0.0000
3	Dump BAN	48.000	0.010	0.00E+000	0.00E+000	0.0000
4	Collect BAN	24.000	0.010	0.00E+000	0.00E+000	0.0000

- BS1

BKL0585 22L0246/307 PSDDA SVOC

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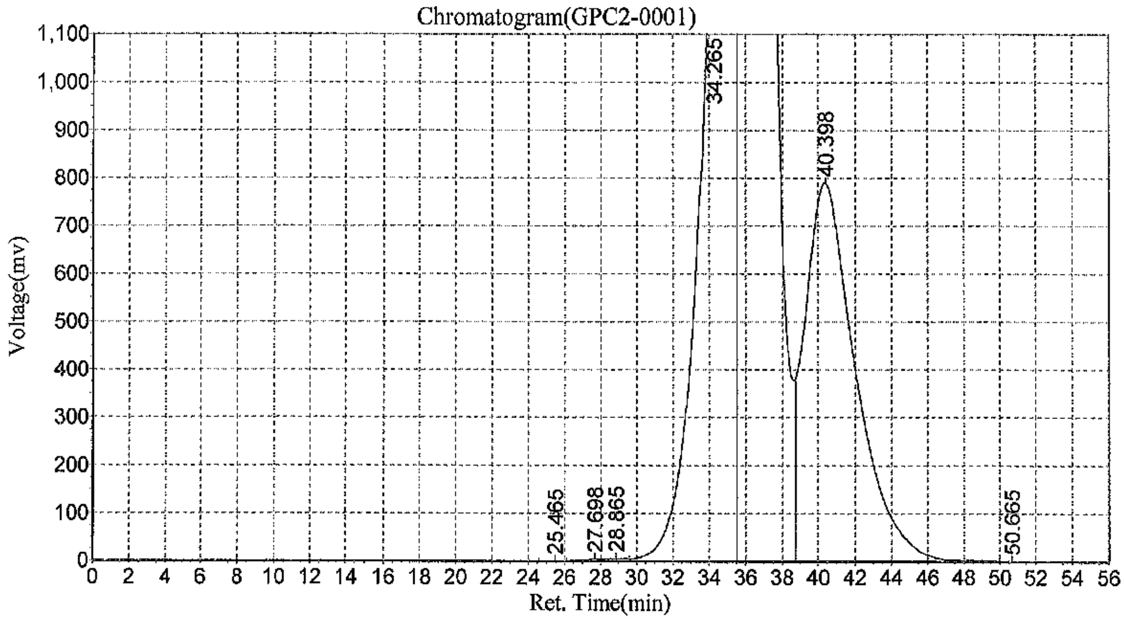

Results

Peak No.	Peak ID	Ret Time	Height	Area	Conc
1		25.465	2923.730	149339.703	0.0428
2		27.698	6917.608	605906.313	0.1737
3		28.865	8057.619	708254.875	0.2030
4		34.265	1376538.375	194256608.000	55.6793
5		40.398	791954.875	152968736.000	43.8451
6		50.665	2133.965	195829.031	0.0561
Total			2188526.171	348884673.922	100.000

Ingredient Table

No	Peak ID	Ret Time	Peak Width	Factor1	Factor2	ISTD Wt.
1	Collect Pest	29.000	0.010	0.00E+000	0.00E+000	0.0000
2	Dump Pest	46.000	0.010	0.00E+000	0.00E+000	0.0000
3	Dump BAN	48.000	0.010	0.00E+000	0.00E+000	0.0000
4	Collect BAN	24.000	0.010	0.00E+000	0.00E+000	0.0000

-BSD1

BKL0585 22L0246/307 PSDDA SVOC

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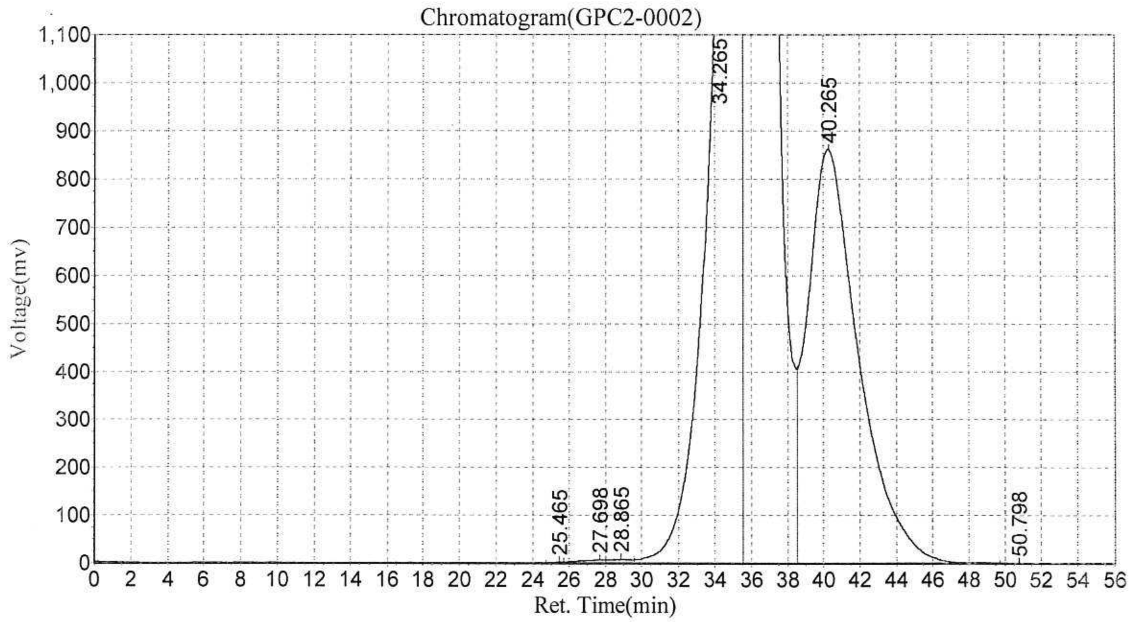

Results

Peak No.	Peak ID	Ret Time	Height	Area	Conc
1		25.465	3059.056	130605.547	0.0363
2		27.698	7705.232	800303.000	0.2227
3		28.865	8856.101	789415.438	0.2197
4		34.265	1375137.375	187883840.000	52.2883
5		40.265	861842.938	169490272.000	47.1693
6		50.798	2367.624	228673.563	0.0636
Total			2258968.326	359323109.547	100.000

Ingredient Table

No	Peak ID	Ret Time	Peak Width	Factor1	Factor2	ISTD Wt.
1	Collect Pest	29.000	0.010	0.00E+000	0.00E+000	0.0000
2	Dump Pest	46.000	0.010	0.00E+000	0.00E+000	0.0000
3	Dump BAN	48.000	0.010	0.00E+000	0.00E+000	0.0000
4	Collect BAN	24.000	0.010	0.00E+000	0.00E+000	0.0000

BKL0585 22L0246/307 PSDDA SVOC

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Method File:E:\GPC2_InHouse.mtd

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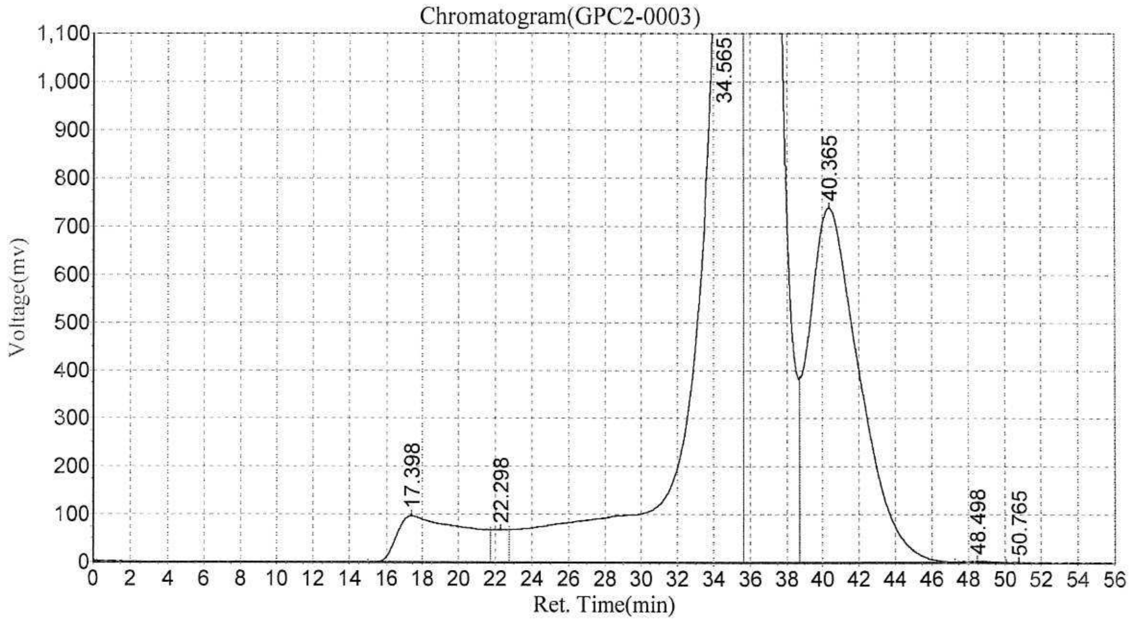
Date/Time2023-01-02,7:46:46 PM



Results

Peak No.	Peak ID	Ret Time	Height	Area	Conc
1		17.398	97609.273	26106536.000	6.1313
2		22.298	69509.383	4293978.500	1.0085
3		34.565	1375300.375	249865152.000	58.6828
4		40.365	739296.938	144826720.000	34.0137
5		48.498	4324.269	540462.375	0.1269
6		50.765	2306.086	156262.172	0.0367
Total			2288346.324	425789111.047	100.000

Ingredient Table

No	Peak ID	Ret Time	Peak Width	Factor1	Factor2	ISTD Wt.
1	Collect Pest	29.000	0.010	0.00E+000	0.00E+000	0.0000
2	Dump Pest	46.000	0.010	0.00E+000	0.00E+000	0.0000
3	Dump BAN	48.000	0.010	0.00E+000	0.00E+000	0.0000
4	Collect BAN	24.000	0.010	0.00E+000	0.00E+000	0.0000

-43

BKL0585 22L0246/307 PSDDA SVOC

Date:2023-01-02,8:44:28 PM
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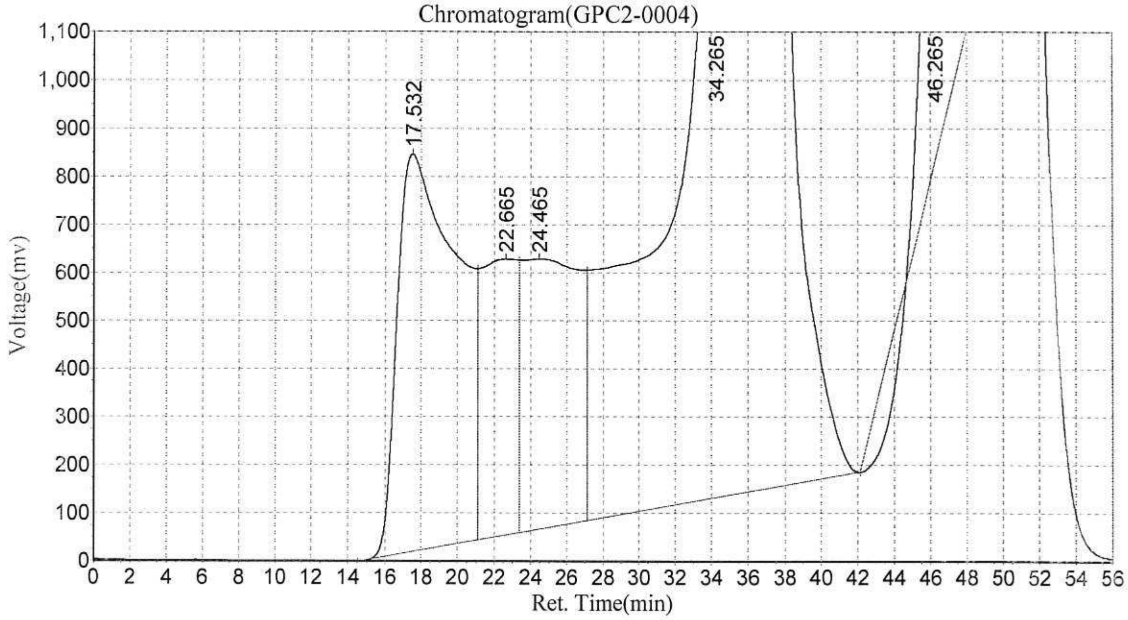

Results

Peak No.	Peak ID	Ret Time	Height	Area	Conc
1		17.532	827543.563	190269728.000	17.0654
2		22.665	574271.750	78802392.000	7.0678
3		24.465	562573.000	122749064.000	11.0095
4		34.265	1241859.250	643072576.000	57.6776
5		46.265	543450.688	80048824.000	7.1796
Total			3749698.250	1114942584.000	100.000

Ingredient Table

No	Peak ID	Ret Time	Peak Width	Factor1	Factor2	ISTD Wt.
1	Collect Pest	29.000	0.010	0.00E+000	0.00E+000	0.0000
2	Dump Pest	46.000	0.010	0.00E+000	0.00E+000	0.0000
3	Dump BAN	48.000	0.010	0.00E+000	0.00E+000	0.0000
4	Collect BAN	24.000	0.010	0.00E+000	0.00E+000	0.0000

-44

BKL0585 22L0246/307 PSDDA SVOC

Date:2023-01-02,9:42:11 PM
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Method File:E:\GPC2_InHouse.mtd

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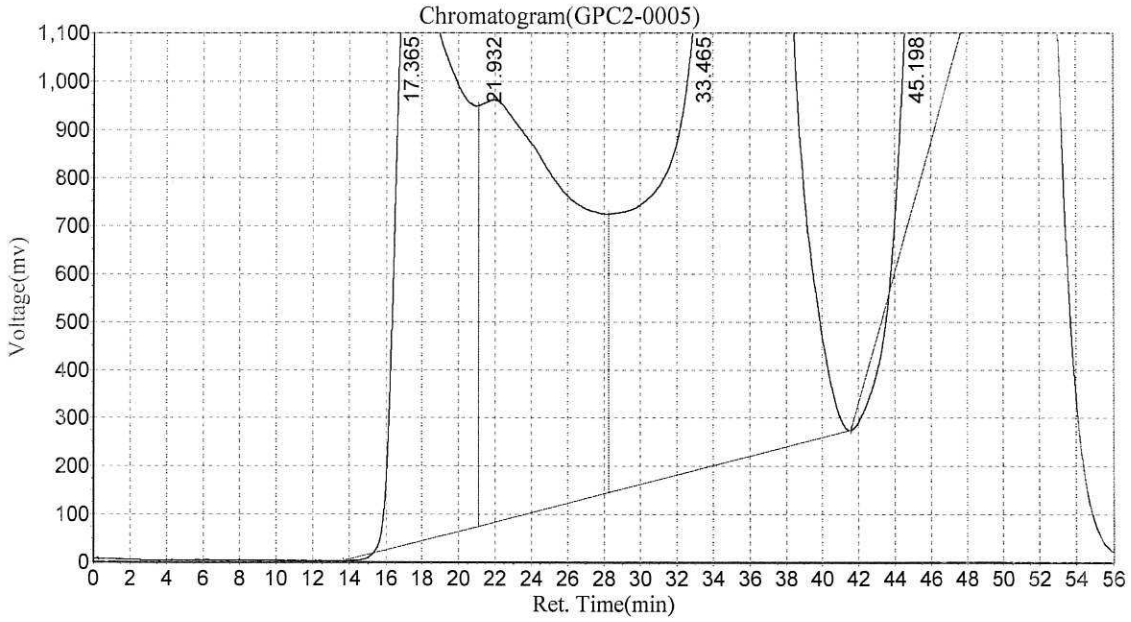

Results

Peak No.	Peak ID	Ret Time	Height	Area	Conc
1		17.365	1340297.125	307540768.000	23.0285
2		21.932	878708.563	313140672.000	23.4479
3		33.465	1177900.500	605636224.000	45.3498
4		45.198	614313.188	109159256.000	8.1738
Total			4011219.375	1335476920.000	100.000

Ingredient Table

No	Peak ID	Ret Time	Peak Width	Factor1	Factor2	ISTD Wt.
1	Collect Pest	29.000	0.010	0.00E+000	0.00E+000	0.0000
2	Dump Pest	46.000	0.010	0.00E+000	0.00E+000	0.0000
3	Dump BAN	48.000	0.010	0.00E+000	0.00E+000	0.0000
4	Collect BAN	24.000	0.010	0.00E+000	0.00E+000	0.0000

45
-44

BKL0585 22L0246/307 PSDDA SVOC

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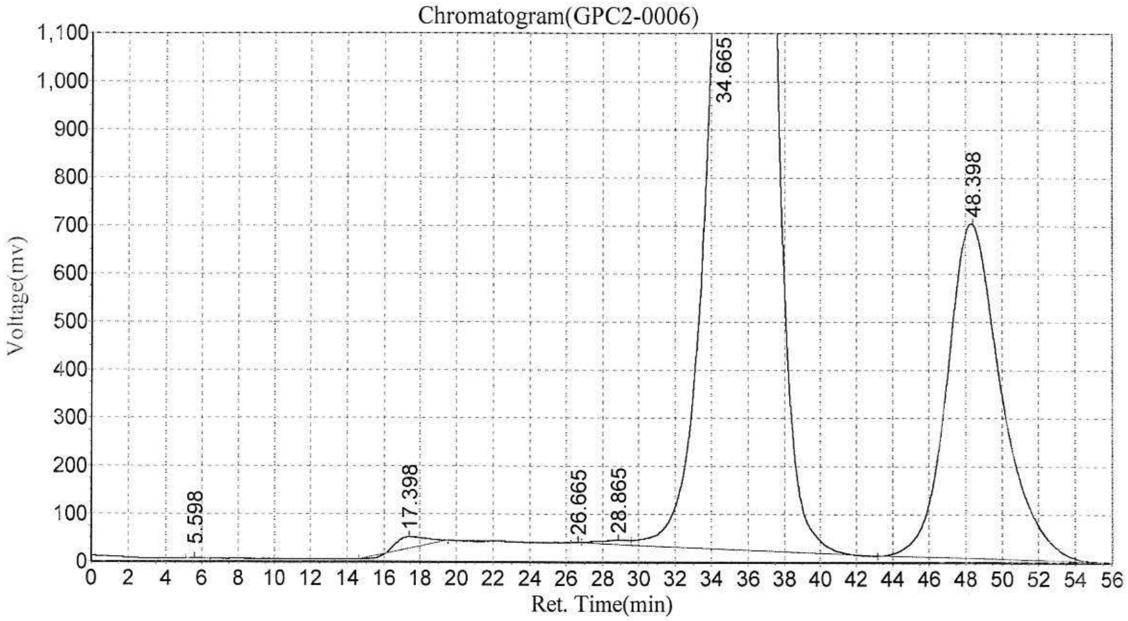

Results

Peak No.	Peak ID	Ret Time	Height	Area	Conc
1		5.598	1921.867	111504.258	0.0210
2		17.398	24767.418	2626967.250	0.4959
3		26.665	5182.076	170232.656	0.0321
4		28.865	12142.284	1569442.375	0.2963
5		34.665	1348332.125	380508288.000	71.8279
6		48.398	696752.875	144763584.000	27.3268
Total			2089098.646	529750018.539	100.000

Ingredient Table

No	Peak ID	Ret Time	Peak Width	Factor1	Factor2	ISTD Wt.
1	Collect Pest	29.000	0.010	0.00E+000	0.00E+000	0.0000
2	Dump Pest	46.000	0.010	0.00E+000	0.00E+000	0.0000
3	Dump BAN	48.000	0.010	0.00E+000	0.00E+000	0.0000
4	Collect BAN	24.000	0.010	0.00E+000	0.00E+000	0.0000

-MS1 ~~-45~~ -46

BKL0585 22L0246/307 PSDDA SVOC

Date:2023-01-02,11:37:37 PM
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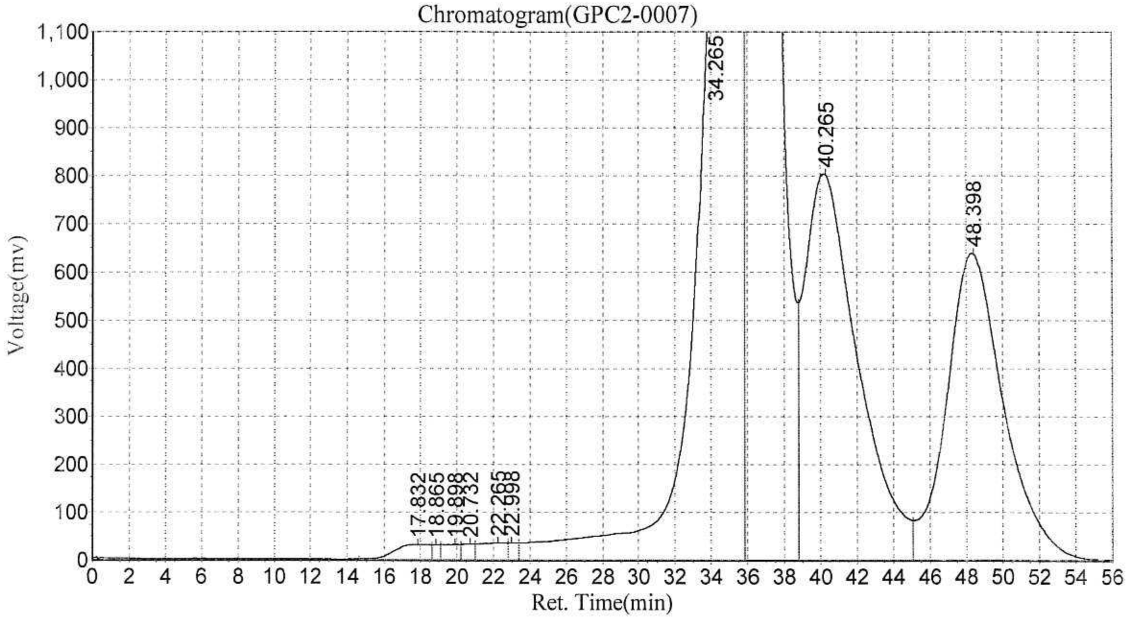
Date/Time2023-01-02,11:37:37 PM



Results

Peak No.	Peak ID	Ret Time	Height	Area	Conc
1		17.832	31154.834	4134291.500	0.7279
2		18.865	30992.242	921113.250	0.1622
3		19.898	31668.648	2002618.500	0.3526
4		20.732	32583.816	1547344.750	0.2724
5		22.265	35415.324	3702183.250	0.6519
6		22.998	35509.871	1268754.750	0.2234
7		34.265	1372717.750	252839760.000	44.5184
8		40.265	802468.938	162394000.000	28.5933
9		48.398	637297.375	139133760.000	24.4978
Total			3009808.799	567943826.000	100.000

Ingredient Table

No	Peak ID	Ret Time	Peak Width	Factor1	Factor2	ISTD Wt.
1	Collect Pest	29.000	0.010	0.00E+000	0.00E+000	0.0000
2	Dump Pest	46.000	0.010	0.00E+000	0.00E+000	0.0000
3	Dump BAN	48.000	0.010	0.00E+000	0.00E+000	0.0000
4	Collect BAN	24.000	0.010	0.00E+000	0.00E+000	0.0000

MSD1
~~MSt~~

-47

BKL0585 22L0246/~~307~~ PSDDA SVOC

Date:2023-01-03,12:35:19 AM
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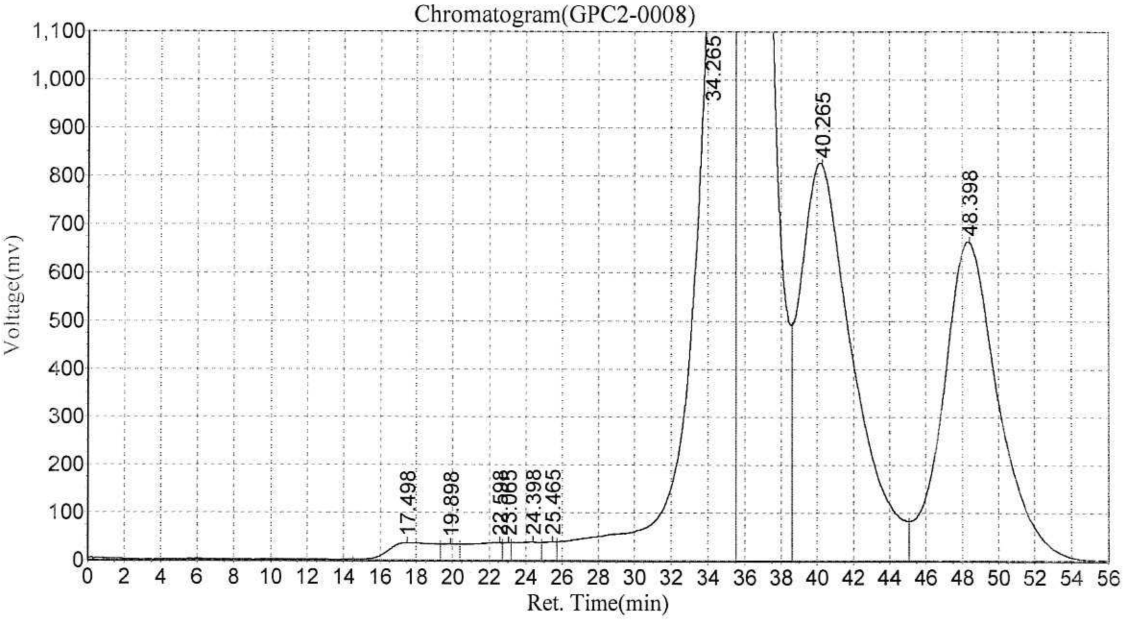
Date/Time2023-01-03,12:35:19 AM



Results

Peak No.	Peak ID	Ret Time	Height	Area	Conc
1		17.498	35449.398	6192588.500	1.1495
2		19.898	33130.262	2104481.250	0.3907
3		22.598	36179.613	4783303.000	0.8879
4		23.065	36498.809	1011998.375	0.1879
5		24.398	37547.512	3680924.750	0.6833
6		25.465	37946.676	1948483.625	0.3617
7		34.265	1372324.500	210786224.000	39.1288
8		40.265	824443.188	167808400.000	31.1507
9		48.398	661521.188	140381456.000	26.0594
Total			3075041.145	538697859.500	100.000

Ingredient Table

No	Peak ID	Ret Time	Peak Width	Factor1	Factor2	ISTD Wt.
1	Collect Pest	29.000	0.010	0.00E+000	0.00E+000	0.0000
2	Dump Pest	46.000	0.010	0.00E+000	0.00E+000	0.0000
3	Dump BAN	48.000	0.010	0.00E+000	0.00E+000	0.0000
4	Collect BAN	24.000	0.010	0.00E+000	0.00E+000	0.0000

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BKL0585 22L0246/307 PSDDA SVOC

Date:2023-01-03,1:33:02 AM
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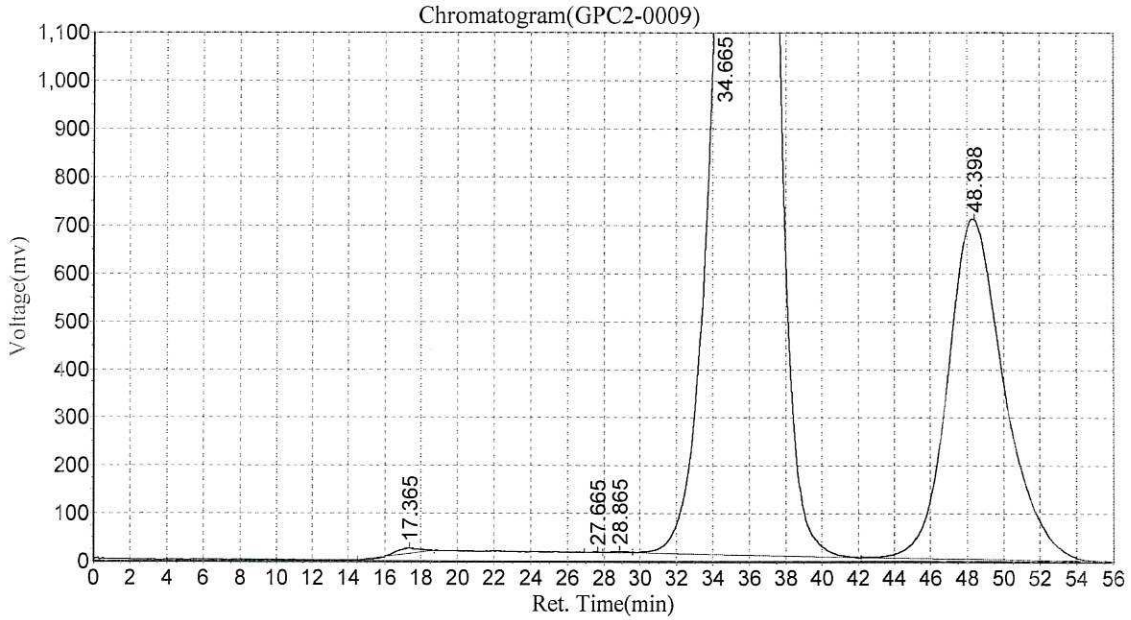
Method File:E:\GPC2_InHouse.mtd

Analyst£ºTWC
Date/Time2023-01-03,1:33:03 AM



Results

Peak No.	Peak ID	Ret Time	Height	Area	Conc
1		17.365	12677.767	1319455.250	0.2466
2		27.665	2497.830	118306.773	0.0221
3		28.865	3872.355	311020.750	0.0581
4		34.665	1360388.750	380886752.000	71.1837
5		48.398	708589.875	152440400.000	28.4895
Total			2088026.576	535075934.773	100.000

Ingredient Table

No	Peak ID	Ret Time	Peak Width	Factor1	Factor2	ISTD Wt.
1	Collect Pest	29.000	0.010	0.00E+000	0.00E+000	0.0000
2	Dump Pest	46.000	0.010	0.00E+000	0.00E+000	0.0000
3	Dump BAN	48.000	0.010	0.00E+000	0.00E+000	0.0000
4	Collect BAN	24.000	0.010	0.00E+000	0.00E+000	0.0000

47
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BKL0585 22L0246/307 PSDDA SVOC

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Method File:E:\GPC2_InHouse.mtd

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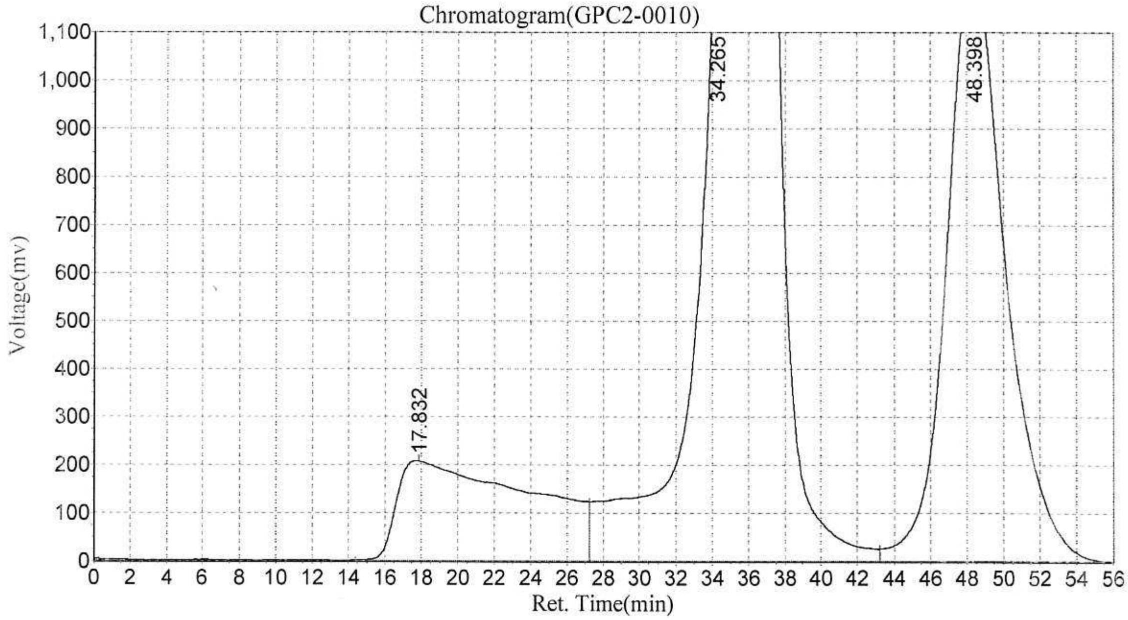
Date/Time2023-01-03,2:30:44 AM



Results

Peak No.	Peak ID	Ret Time	Height	Area	Conc
1		17.832	207096.172	105374176.000	12.6081
2		34.265	1372411.500	454573984.000	54.3902
3		48.398	1250850.500	275816000.000	33.0017
Total			2830358.172	835764160.000	100.000

Ingredient Table

No	Peak ID	Ret Time	Peak Width	Factor1	Factor2	ISTD Wt.
1	Collect Pest	29.000	0.010	0.00E+000	0.00E+000	0.0000
2	Dump Pest	46.000	0.010	0.00E+000	0.00E+000	0.0000
3	Dump BAN	48.000	0.010	0.00E+000	0.00E+000	0.0000
4	Collect BAN	24.000	0.010	0.00E+000	0.00E+000	0.0000

48
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BKL0585 22L0246/307 PSDDA SVOC

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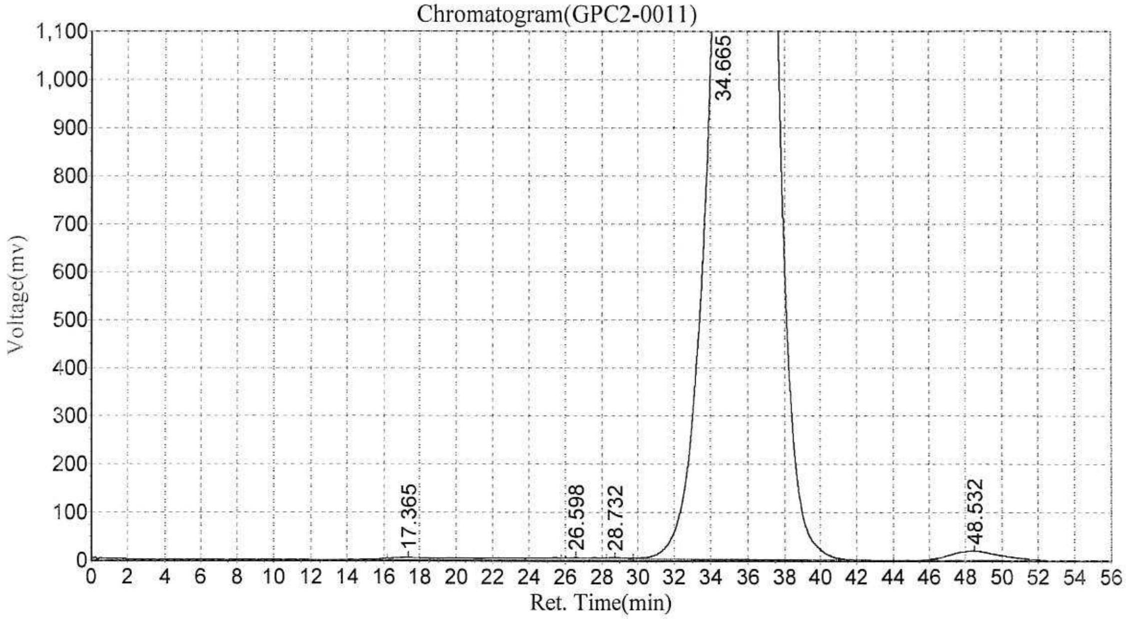

Results

Peak No.	Peak ID	Ret Time	Height	Area	Conc
1		17.365	2257.846	166350.438	0.0431
2		26.598	1975.996	140794.563	0.0365
3		28.732	2789.896	180288.359	0.0467
4		34.665	1371307.750	380867200.000	98.6726
5		48.532	21259.441	4636355.500	1.2012
Total			1399590.930	385990988.859	100.000

Ingredient Table

No	Peak ID	Ret Time	Peak Width	Factor1	Factor2	ISTD Wt.
1	Collect Pest	29.000	0.010	0.00E+000	0.00E+000	0.0000
2	Dump Pest	46.000	0.010	0.00E+000	0.00E+000	0.0000
3	Dump BAN	48.000	0.010	0.00E+000	0.00E+000	0.0000
4	Collect BAN	24.000	0.010	0.00E+000	0.00E+000	0.0000

7 4/8 -35

BKL0585 22L~~0246~~/307 PSDDA SVOC

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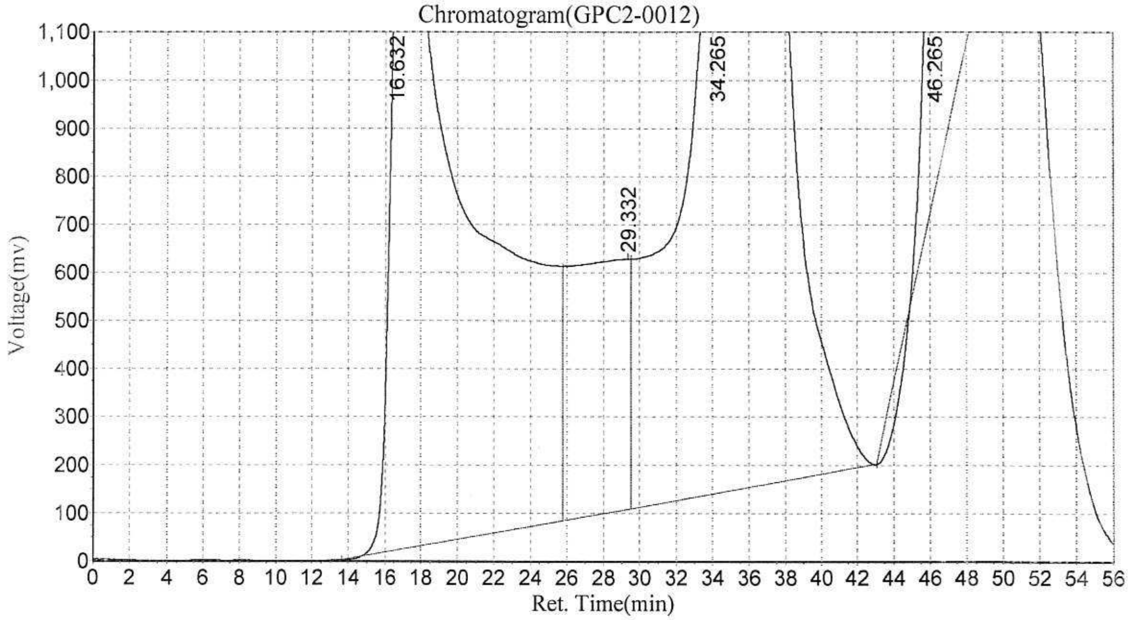

Results

Peak No.	Peak ID	Ret Time	Height	Area	Conc
1		16.632	1356176.250	460582816.000	37.5804
2		29.332	519135.188	117202392.000	9.5629
3		34.265	1231754.000	560518272.000	45.7345
4		46.265	610916.438	87289144.000	7.1222
Total			3717981.875	1225592624.000	100.000

Ingredient Table

No	Peak ID	Ret Time	Peak Width	Factor1	Factor2	ISTD Wt.
1	Collect Pest	29.000	0.010	0.00E+000	0.00E+000	0.0000
2	Dump Pest	46.000	0.010	0.00E+000	0.00E+000	0.0000
3	Dump BAN	48.000	0.010	0.00E+000	0.00E+000	0.0000
4	Collect BAN	24.000	0.010	0.00E+000	0.00E+000	0.0000

- 36

BKL0585 22L0246/307 PSDDA SVOC

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Method File:E:\GPC2_InHouse.mtd

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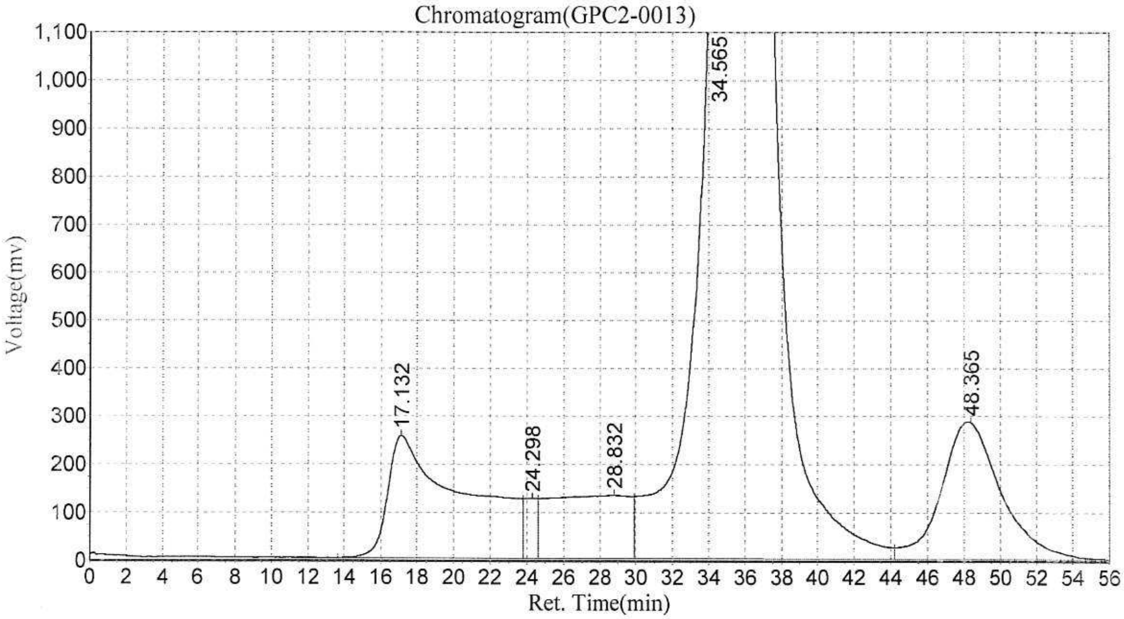

Results

Peak No.	Peak ID	Ret Time	Height	Area	Conc
1		17.132	253777.000	73674856.000	11.8268
2		24.298	124606.594	6215138.500	0.9977
3		28.832	131247.750	40493920.000	6.5003
4		34.565	1368891.875	437872992.000	70.2902
5		48.365	284086.938	64693396.000	10.3850
Total			2162610.156	622950302.500	100.000

Ingredient Table

No	Peak ID	Ret Time	Peak Width	Factor1	Factor2	ISTD Wt.
1	Collect Pest	29.000	0.010	0.00E+000	0.00E+000	0.0000
2	Dump Pest	46.000	0.010	0.00E+000	0.00E+000	0.0000
3	Dump BAN	48.000	0.010	0.00E+000	0.00E+000	0.0000
4	Collect BAN	24.000	0.010	0.00E+000	0.00E+000	0.0000

37
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BKL0585 22L0246/307 PSDDA SVOC

Date:2023-01-03,6:21:34 AM
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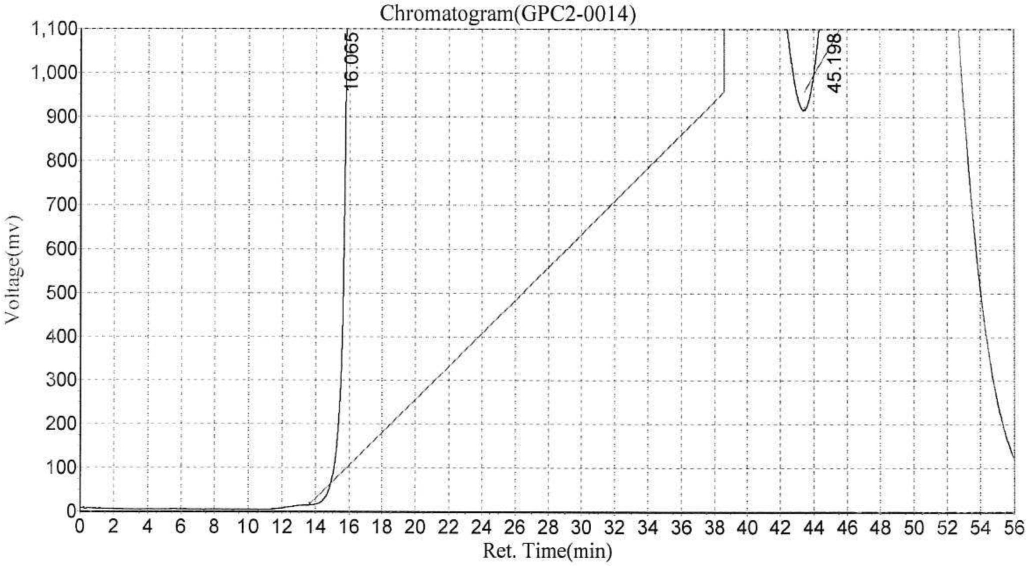

Results

Peak No.	Peak ID	Ret Time	Height	Area	Conc
1		16.065	1272645.500	1170855808.000	98.3685
2		45.198	170815.938	19418976.000	1.6315
Total			1443461.438	1190274784.000	100.000

Ingredient Table

No	Peak ID	Ret Time	Peak Width	Factor1	Factor2	ISTD Wt.
1	Collect Pest	29.000	0.010	0.00E+000	0.00E+000	0.0000
2	Dump Pest	46.000	0.010	0.00E+000	0.00E+000	0.0000
3	Dump BAN	48.000	0.010	0.00E+000	0.00E+000	0.0000
4	Collect BAN	24.000	0.010	0.00E+000	0.00E+000	0.0000

39
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BKL0585 22L0246/307 PSDDA SVOC

Date:2023-01-03,8:16:59 AM
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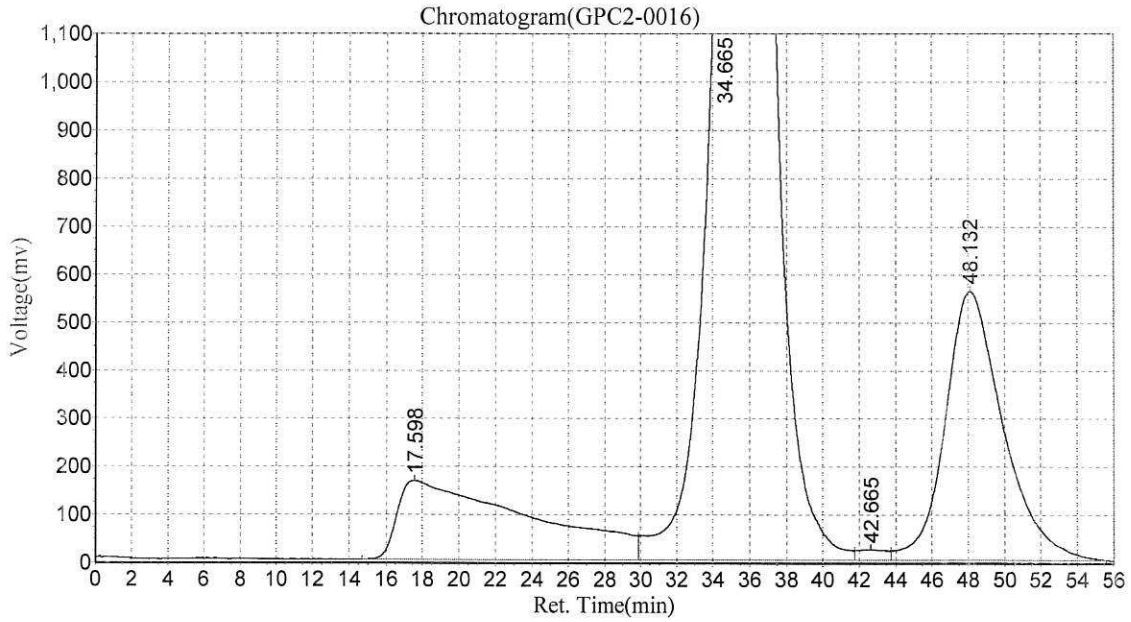

Results

Peak No.	Peak ID	Ret Time	Height	Area	Conc
1		17.598	163656.891	82412432.000	13.7134
2		34.665	1367010.875	392730400.000	65.3503
3		42.665	21238.768	2422169.750	0.4030
4		48.132	557995.125	123397352.000	20.5333
Total			2109901.658	600962353.750	100.000

Ingredient Table

No	Peak ID	Ret Time	Peak Width	Factor1	Factor2	ISTD Wt.
1	Collect Pest	29.000	0.010	0.00E+000	0.00E+000	0.0000
2	Dump Pest	46.000	0.010	0.00E+000	0.00E+000	0.0000
3	Dump BAN	48.000	0.010	0.00E+000	0.00E+000	0.0000
4	Collect BAN	24.000	0.010	0.00E+000	0.00E+000	0.0000

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BKL0585 22L0246/307 PSDDA SVOC

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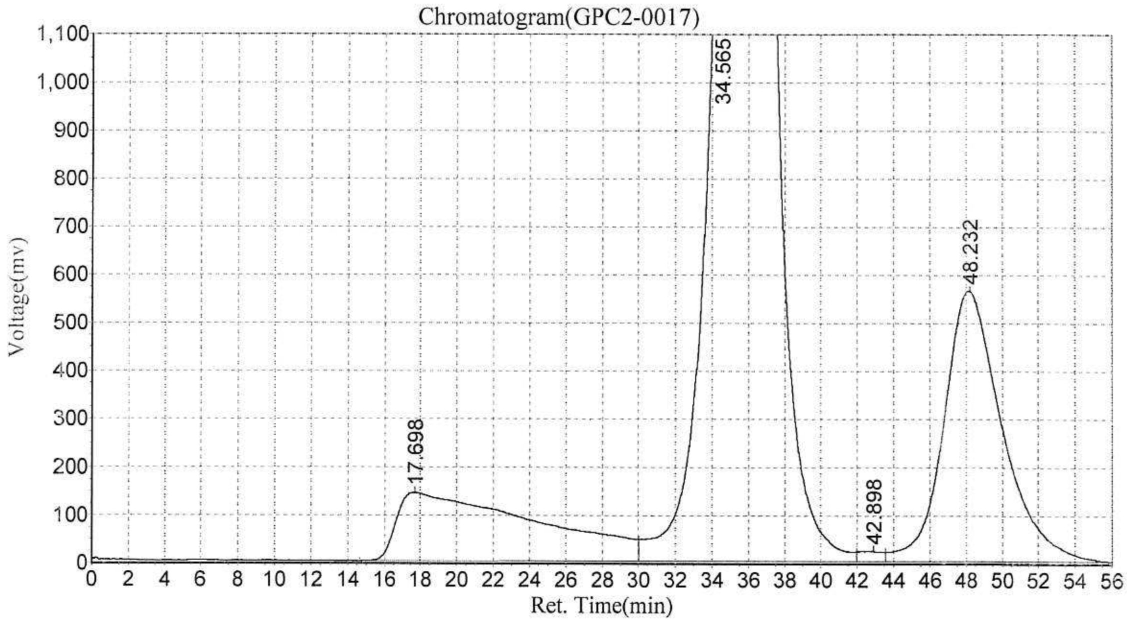

Results

Peak No.	Peak ID	Ret Time	Height	Area	Conc
1		17.698	142535.891	76613784.000	12.6723
2		34.565	1368607.625	399792448.000	66.1278
3		42.898	21175.867	1963766.750	0.3248
4		48.232	561301.250	126205608.000	20.8751
Total			2093620.633	604575606.750	100.000

Ingredient Table

No	Peak ID	Ret Time	Peak Width	Factor1	Factor2	ISTD Wt.
1	Collect Pest	29.000	0.010	0.00E+000	0.00E+000	0.0000
2	Dump Pest	46.000	0.010	0.00E+000	0.00E+000	0.0000
3	Dump BAN	48.000	0.010	0.00E+000	0.00E+000	0.0000
4	Collect BAN	24.000	0.010	0.00E+000	0.00E+000	0.0000

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BKL0585 22L0246/307 PSDDA SVOC

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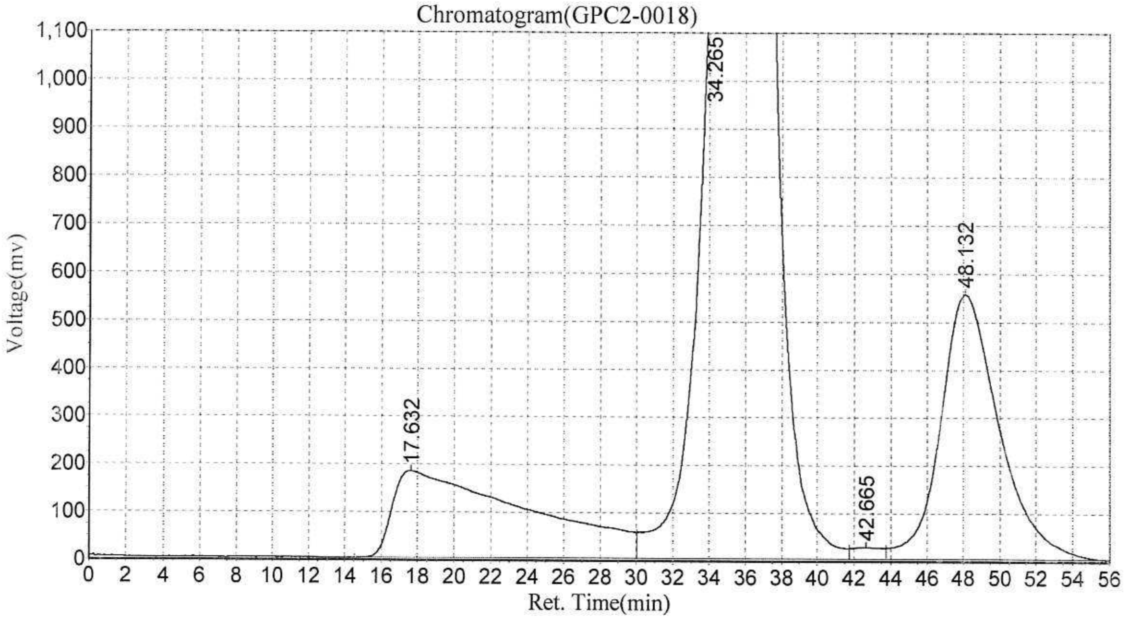

Results

Peak No.	Peak ID	Ret Time	Height	Area	Conc
1		17.632	181972.359	93914560.000	14.7732
2		34.265	1369095.750	415326272.000	65.3326
3		42.665	24509.648	2791743.500	0.4392
4		48.132	550999.125	123677792.000	19.4551
Total			2126576.883	635710367.500	100.000

Ingredient Table

No	Peak ID	Ret Time	Peak Width	Factor1	Factor2	ISTD Wt.
1	Collect Pest	29.000	0.010	0.00E+000	0.00E+000	0.0000
2	Dump Pest	46.000	0.010	0.00E+000	0.00E+000	0.0000
3	Dump BAN	48.000	0.010	0.00E+000	0.00E+000	0.0000
4	Collect BAN	24.000	0.010	0.00E+000	0.00E+000	0.0000

-42

BKL0585 22L0246/307 PSDDA SVOC

Date:2023-01-03,11:10:07 AM
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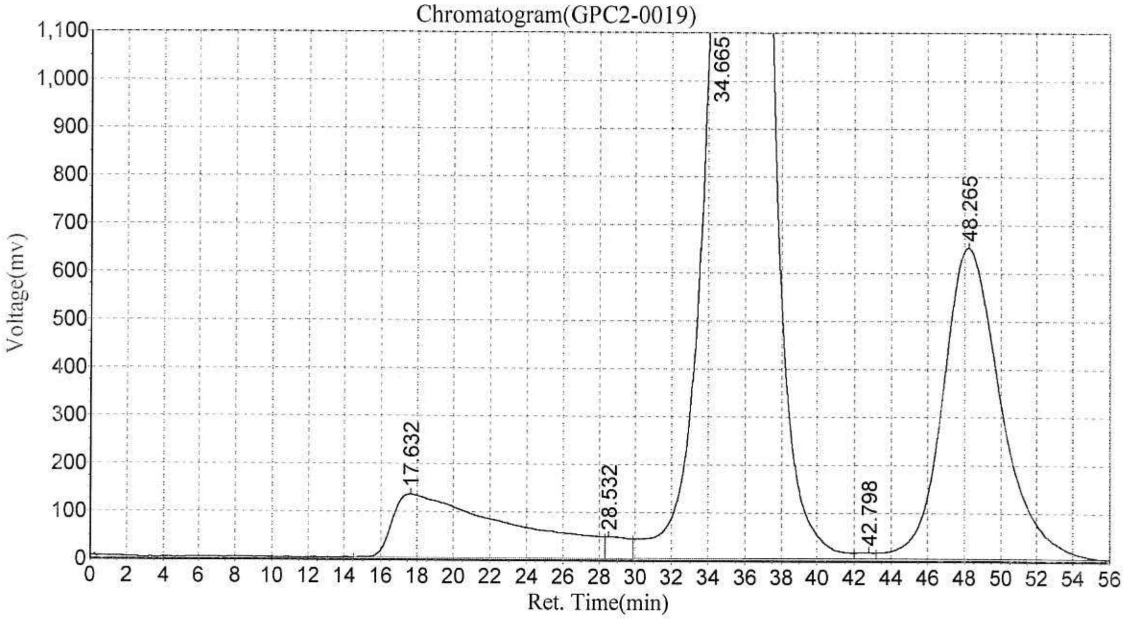
Date/Time2023-01-03,11:10:08 AM



Results

Peak No.	Peak ID	Ret Time	Height	Area	Conc
1		17.632	131918.922	58952700.000	9.9526
2		28.532	44834.078	3957216.500	0.6681
3		34.665	1368963.125	385418720.000	65.0675
4		42.798	13211.396	920177.000	0.1553
5		48.265	647036.438	143088400.000	24.1566
Total			2205963.959	592337213.500	100.000

Ingredient Table

No	Peak ID	Ret Time	Peak Width	Factor1	Factor2	ISTD Wt.
1	Collect Pest	29.000	0.010	0.00E+000	0.00E+000	0.0000
2	Dump Pest	46.000	0.010	0.00E+000	0.00E+000	0.0000
3	Dump BAN	48.000	0.010	0.00E+000	0.00E+000	0.0000
4	Collect BAN	24.000	0.010	0.00E+000	0.00E+000	0.0000

Form I

METHOD BLANK DATA SHEET

EPA 8270E

Blank

Laboratory:	Analytical Resources, LLC			SDG:	22L0307
Client:	Anchor QEA, LLC			Project:	AOC4 UR Phase 3
Matrix:	Solid	Laboratory ID:	BKL0585-BLK1	File ID:	NT1423010611.D
Sampled:	N/A	Prepared:	12/27/22 11:08	Analyzed:	01/06/23 17:38
Solids:		Preparation:	EPA 3546 (Microwave)	Initial/Final:	10 g / 1 mL
Batch:	BKL0585	Sequence:	SLA0068	Calibration:	FL00066
Instrument:	NT14	Column:	ZB-5MS		

CAS NO.	COMPOUND	DILUTION	CONC: (ug/kg wet)	Q	DL	RL
85-68-7	Butylbenzylphthalate	1	20.0	U	9.4	20.0

SURROGATES	ADDED: (ug/kg wet)	FOUND: (ug/kg wet)	% REC	QC LIMITS	Q
p-Terphenyl-d14	500.00	495	98.9	37 - 120	Q

Data File: \\target\share\chem3\nt14.i\20230106.b\NT1423010611.D

Date : 06-JAN-2023 17:38

Client ID:

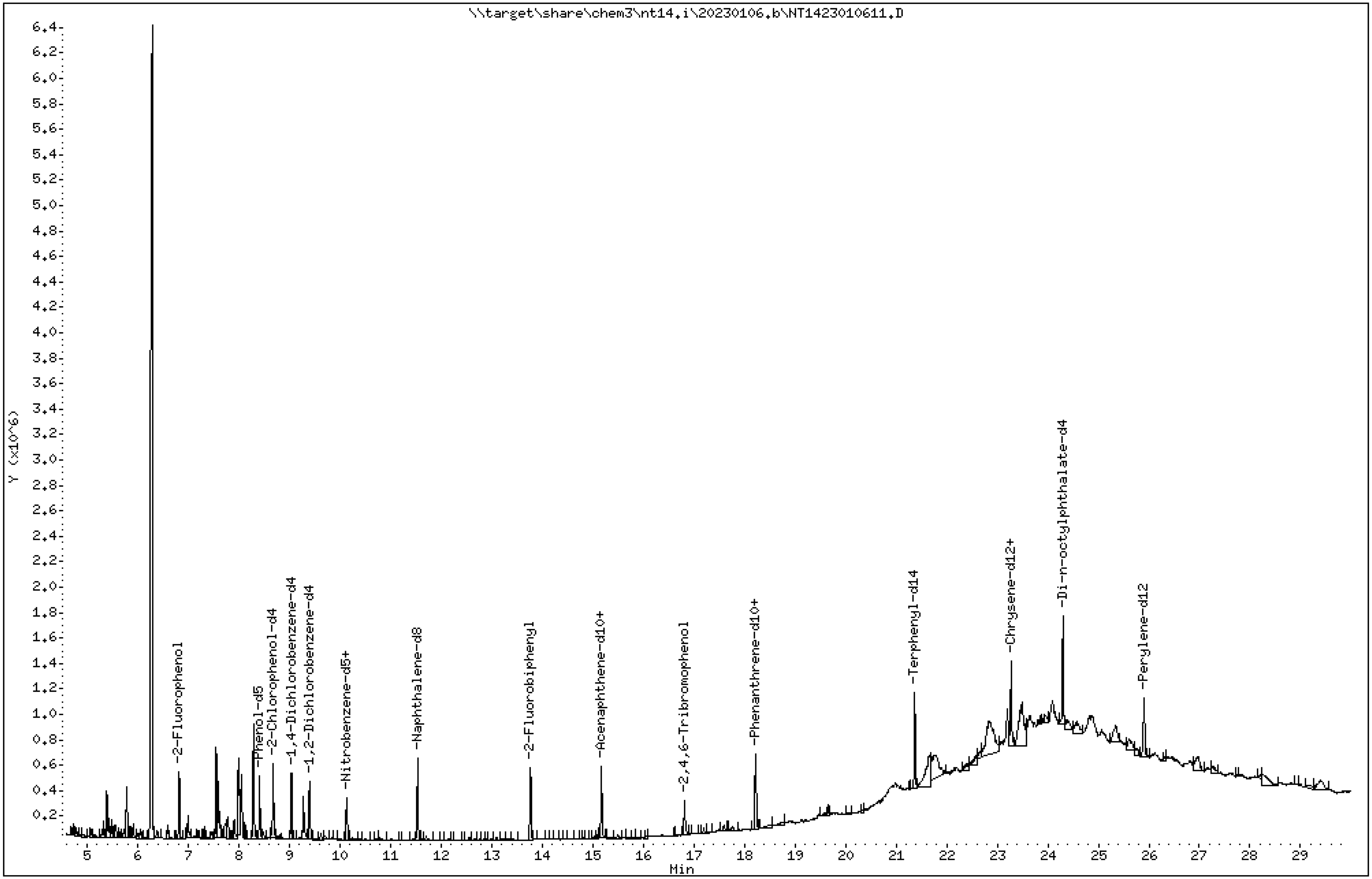
Instrument: nt14.i

Sample Info: BKL0585-BLK1

Operator: VTS

Column phase: ZB-5msi

Column diameter: 0.25



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Date : 06-JAN-2023 17:38

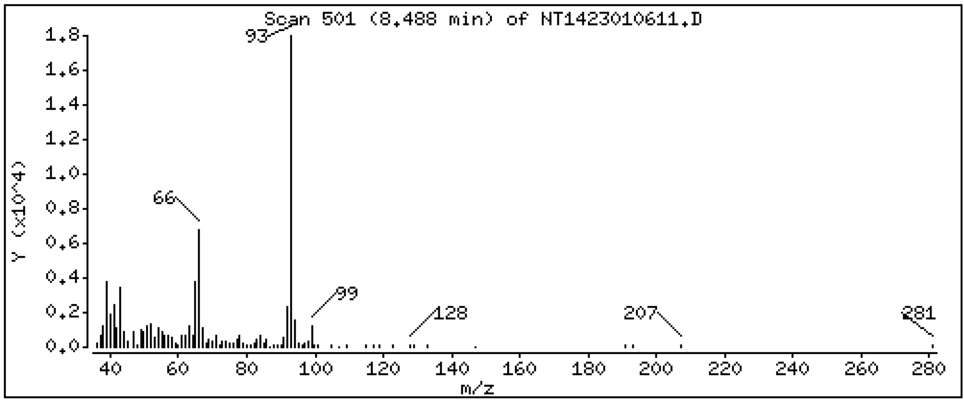
Client ID: Instrument: nt14.i

Sample Info: BKL0585-BLK1

Operator: VTS

Column phase: ZB-5msi Column diameter: 0.25

4 Bis(2-Chloroethyl)ether Concentration: 0.6827 ug/mL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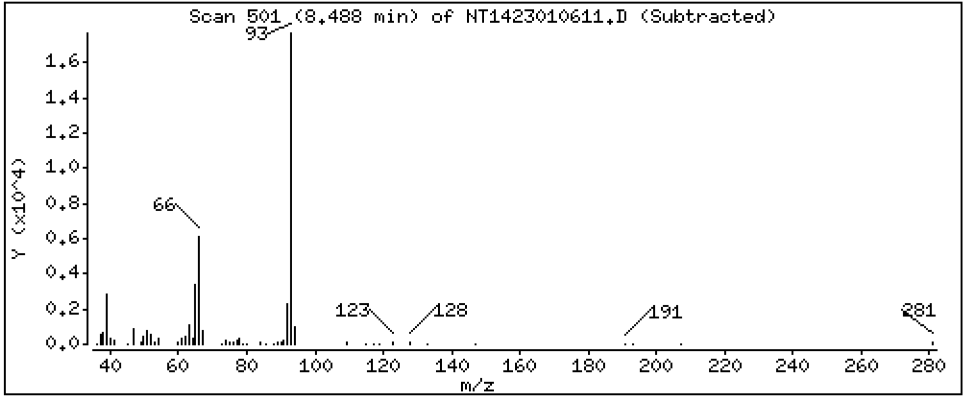
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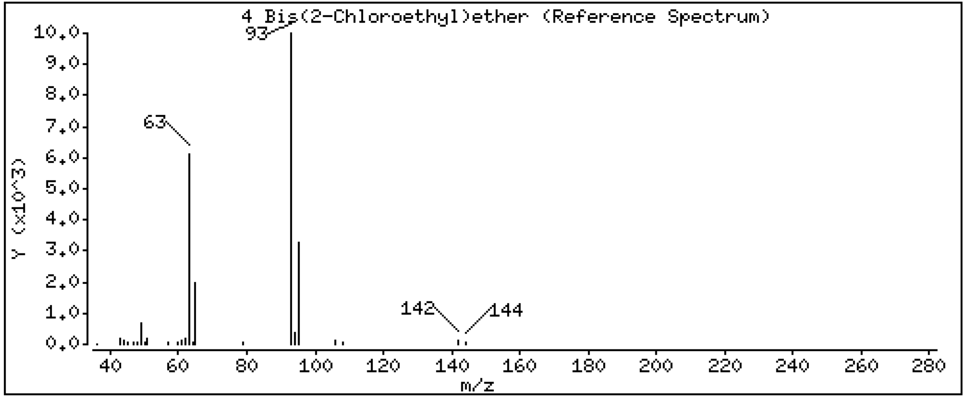
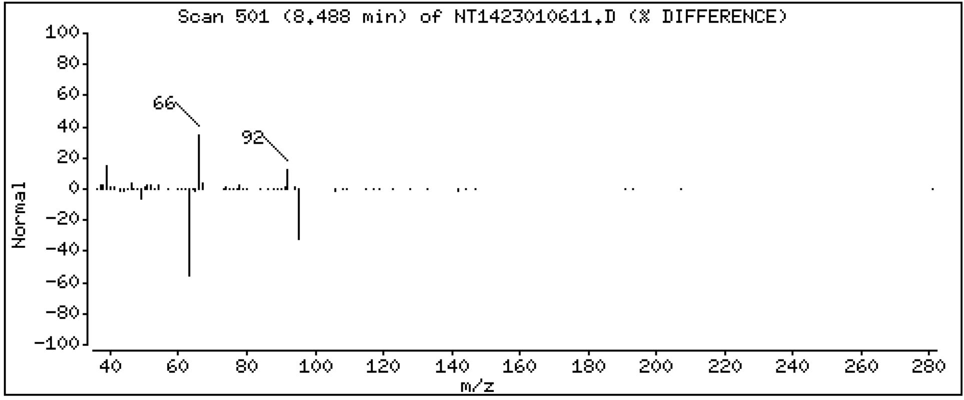

4 Bis(2-Chloroethyl)ether (Reference Spectrum)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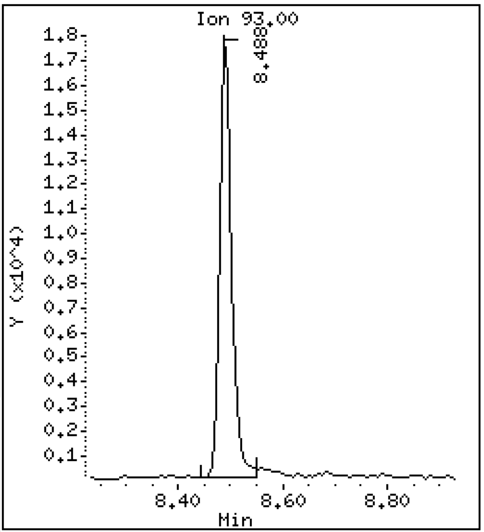
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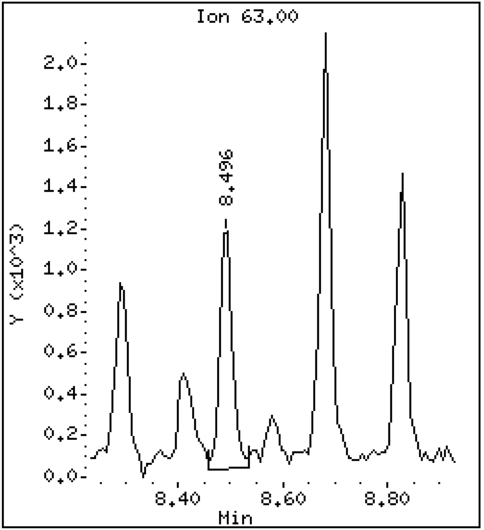
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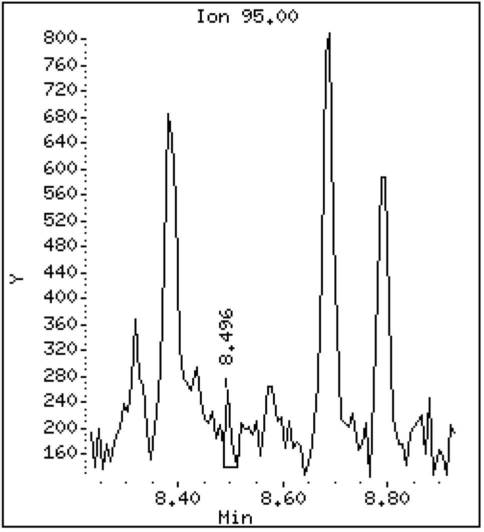
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Date : 06-JAN-2023 17:38

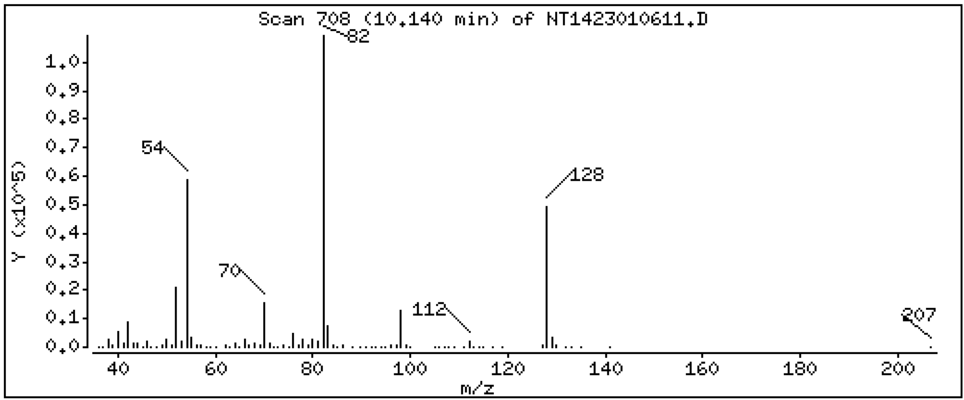
Client ID: Instrument: nt14.i

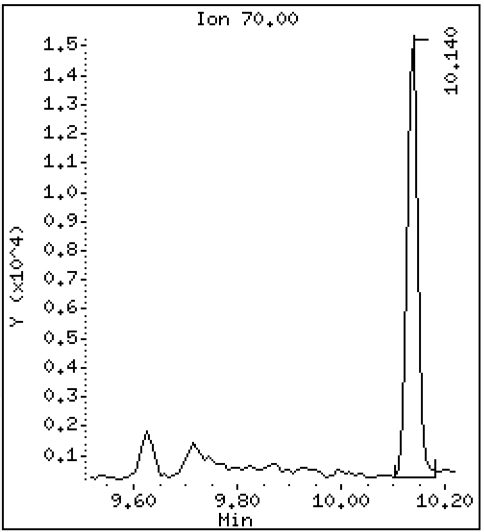
Sample Info: BKL0585-BLK1

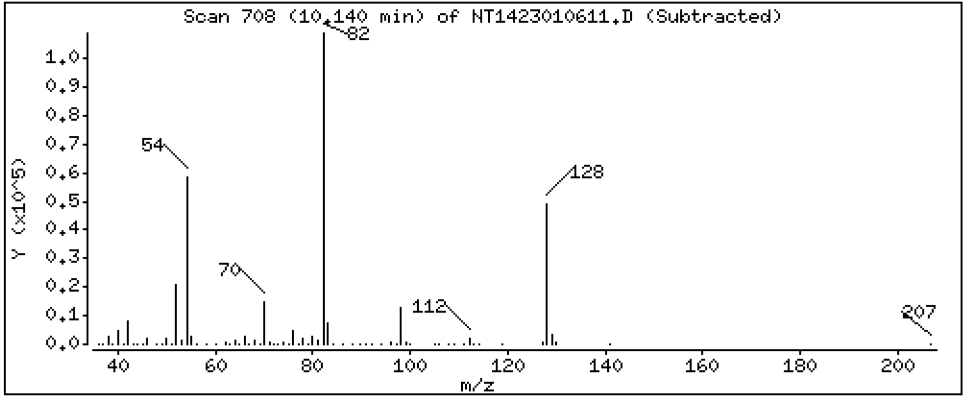
Operator: VTS

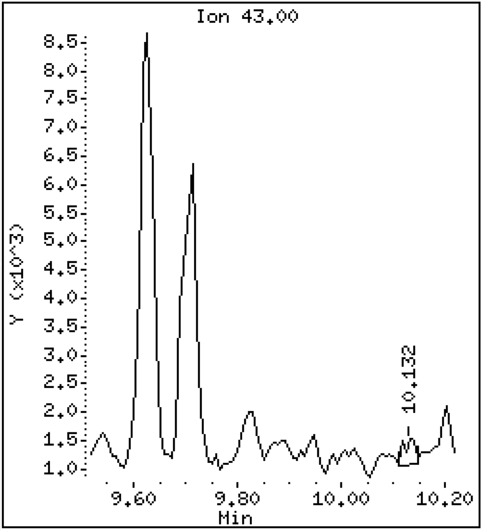
Column phase: ZB-5msi Column diameter: 0.25

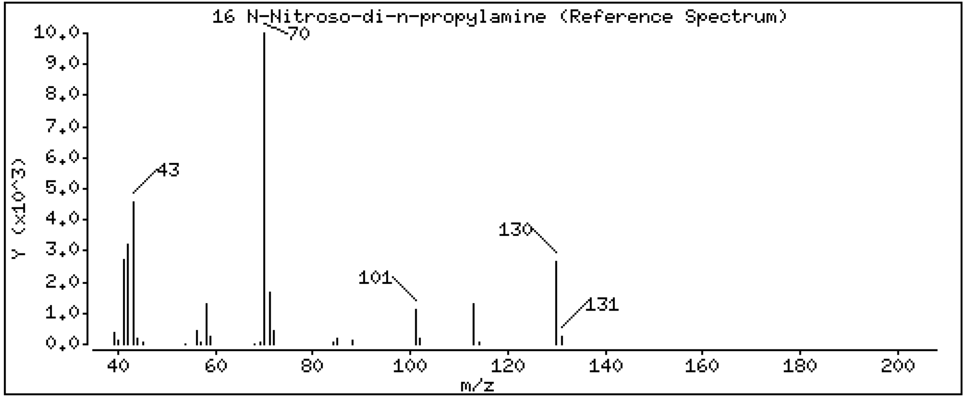
16 N-Nitroso-di-n-propylamine Concentration: 0.8531 ug/mL

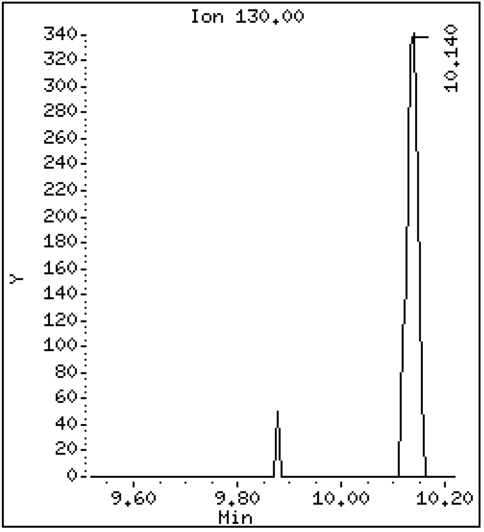


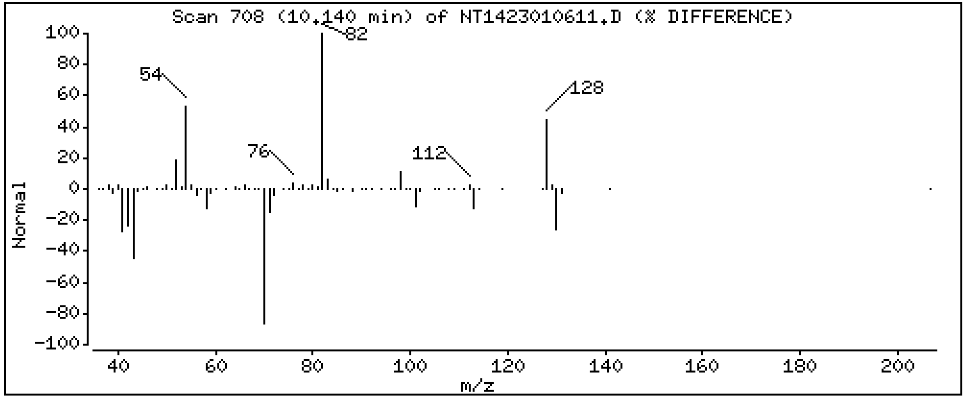












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Date : 06-JAN-2023 17:38

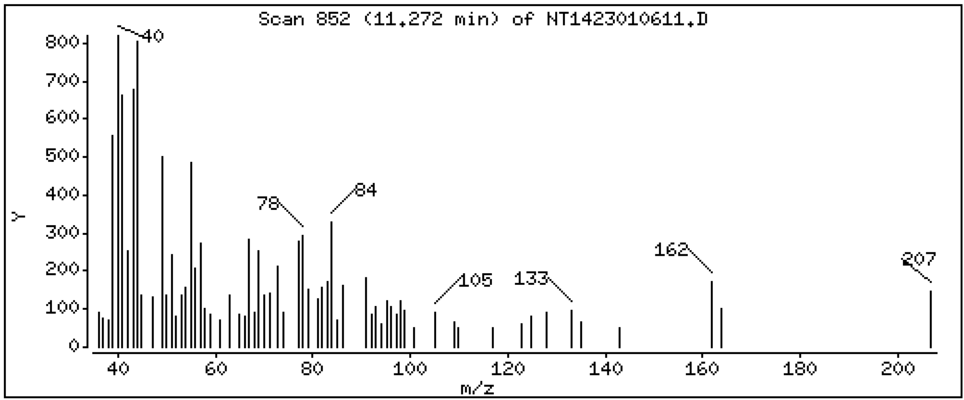
Client ID: Instrument: nt14.i

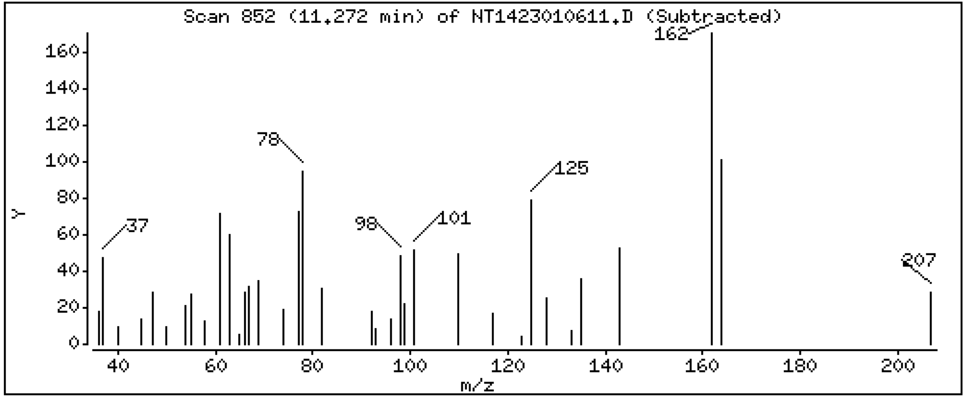
Sample Info: BKL0585-BLK1

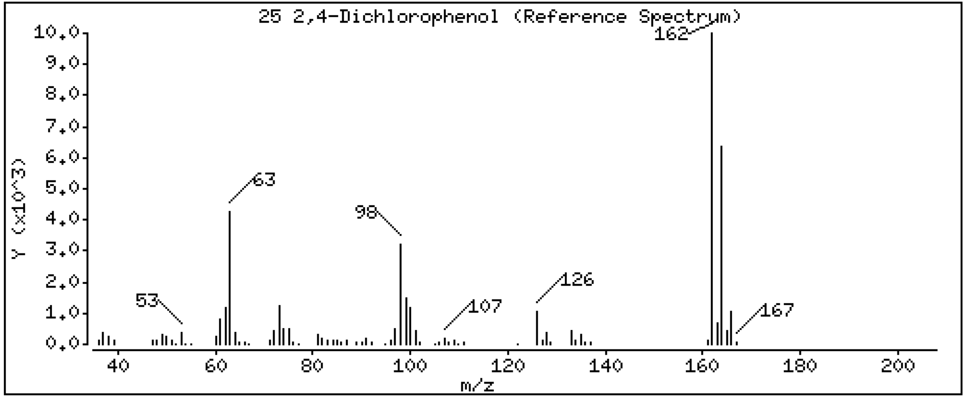
Operator: VTS

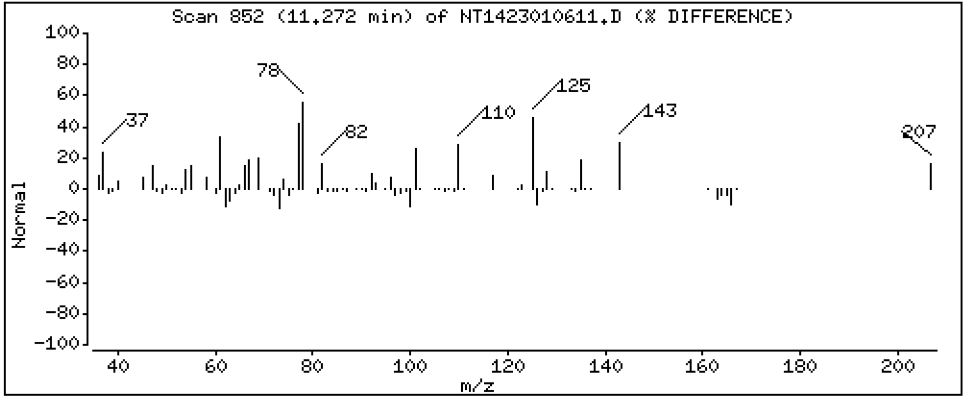
Column phase: ZB-5msi Column diameter: 0.25

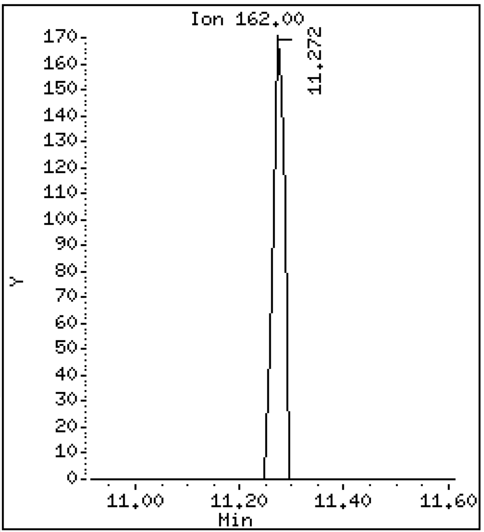
25 2,4-Dichlorophenol Concentration: 0.007565 ug/mL

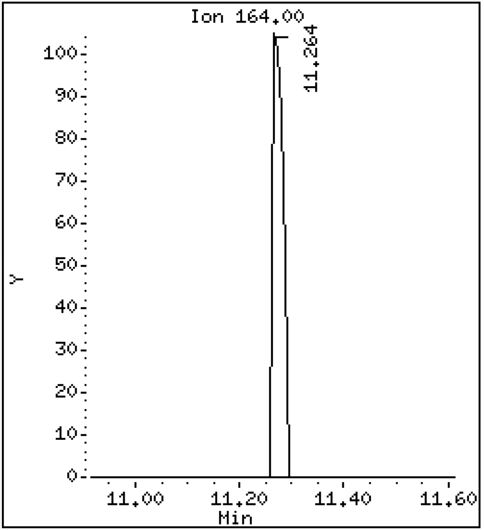


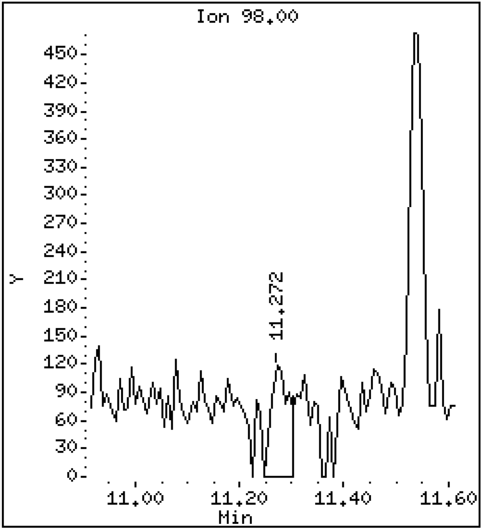












Data File: \\target\share\chem3\nt14.i\20230106.b\NT1423010611.D

Date : 06-JAN-2023 17:38

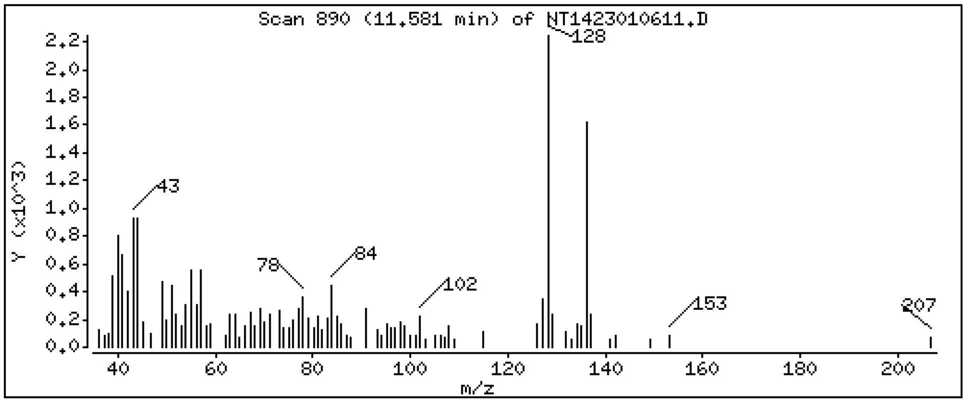
Client ID: Instrument: nt14.i

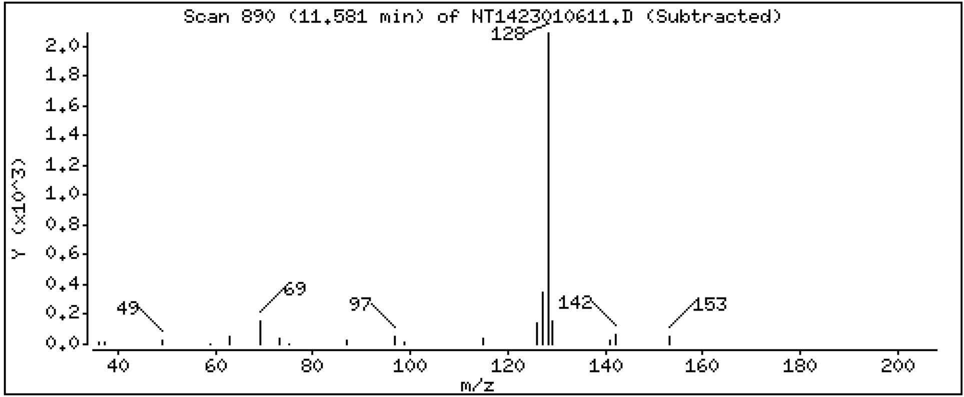
Sample Info: BKL0585-BLK1

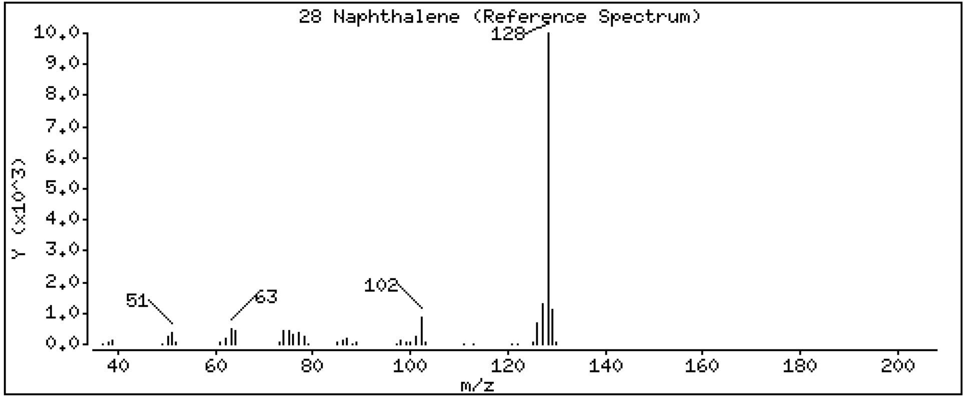
Operator: VTS

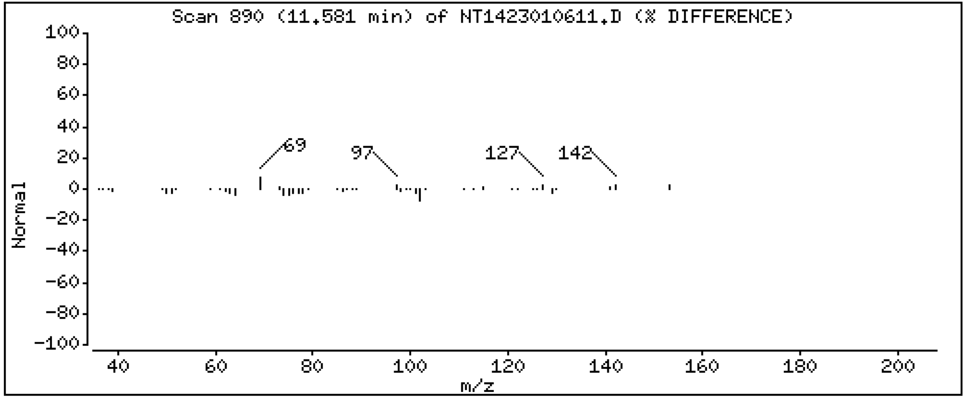
Column phase: ZB-5msi Column diameter: 0.25

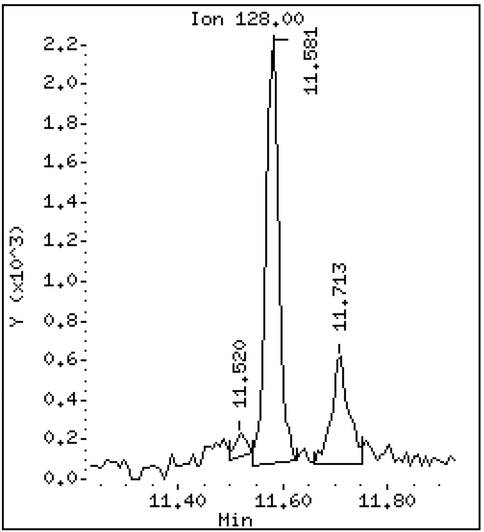
28 Naphthalene Concentration: 0.02921 ug/mL

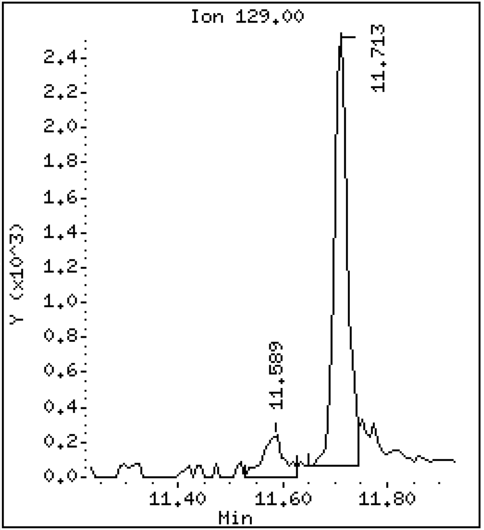


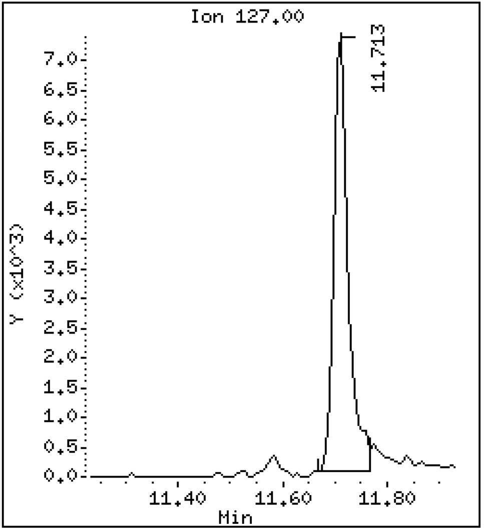












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Date : 06-JAN-2023 17:38

Client ID:

Instrument: nt14.i

Sample Info: BKL0585-BLK1

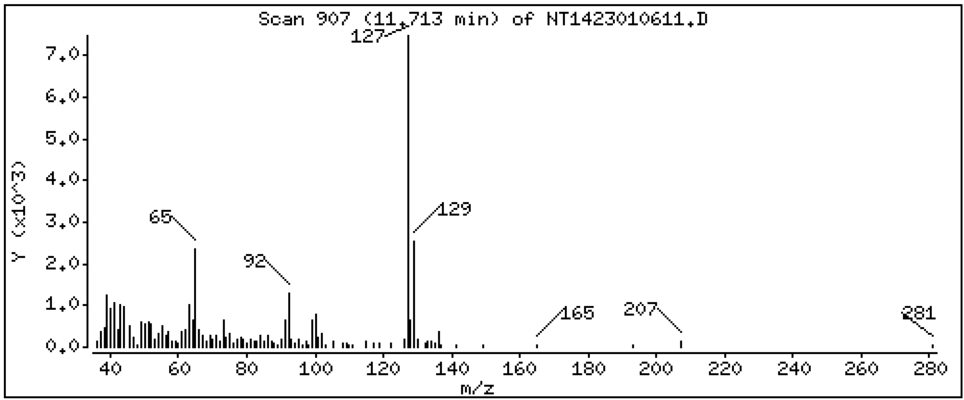
Operator: VTS

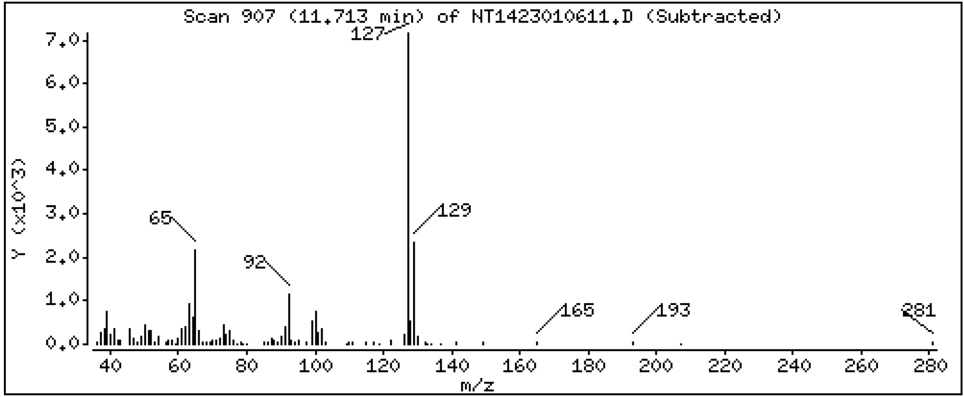
Column phase: ZB-5msi

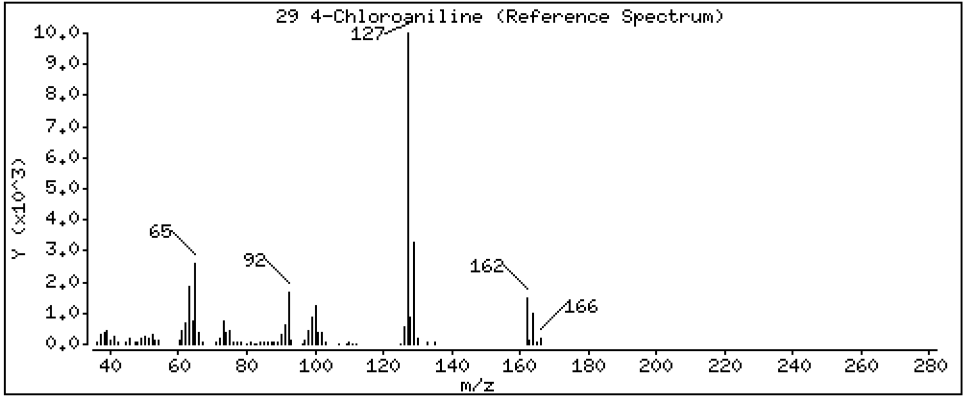
Column diameter: 0.25

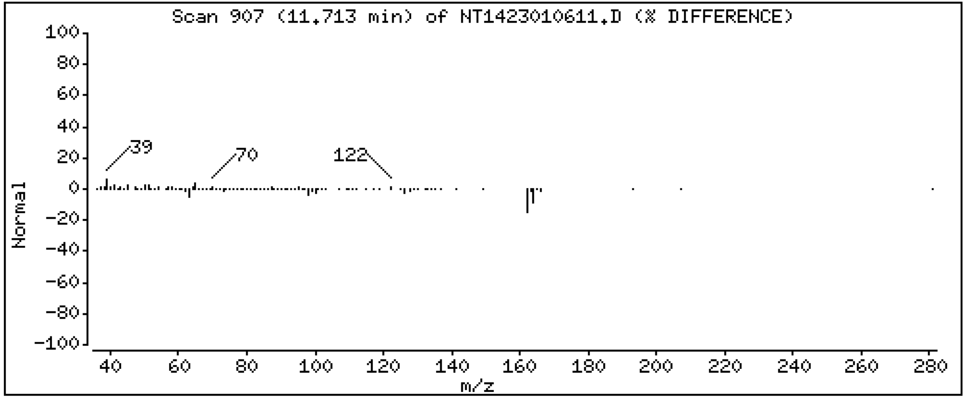
29 4-Chloroaniline

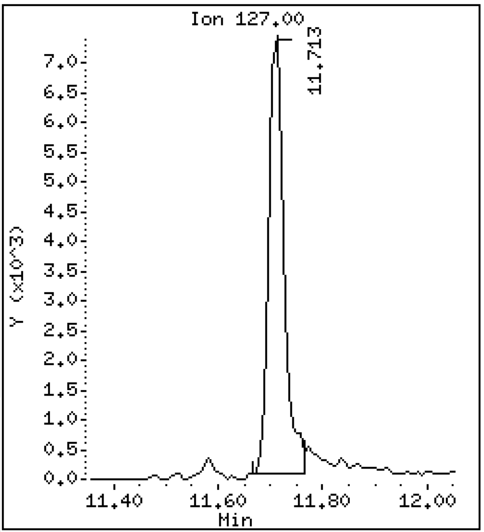
Concentration: 0.2945 ug/mL

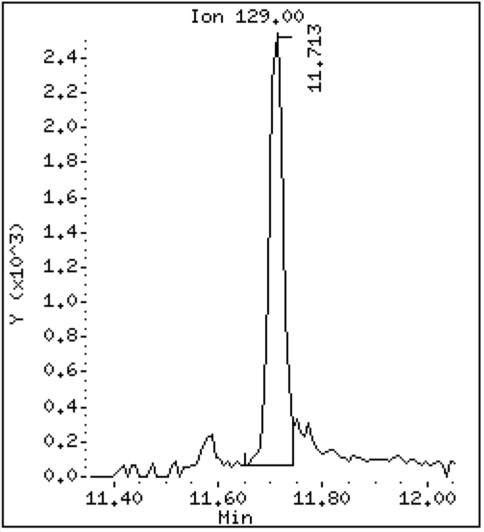

Scan 907 (11.713 min) of NT1423010611.D


Scan 907 (11.713 min) of NT1423010611.D (Subtracted)


29 4-Chloroaniline (Reference Spectrum)


Scan 907 (11.713 min) of NT1423010611.D (% DIFFERENCE)


Ion 127.00


Ion 129.00

Data File: \\target\share\chem3\nt14.i\20230106.b\NT1423010611.D

Date : 06-JAN-2023 17:38

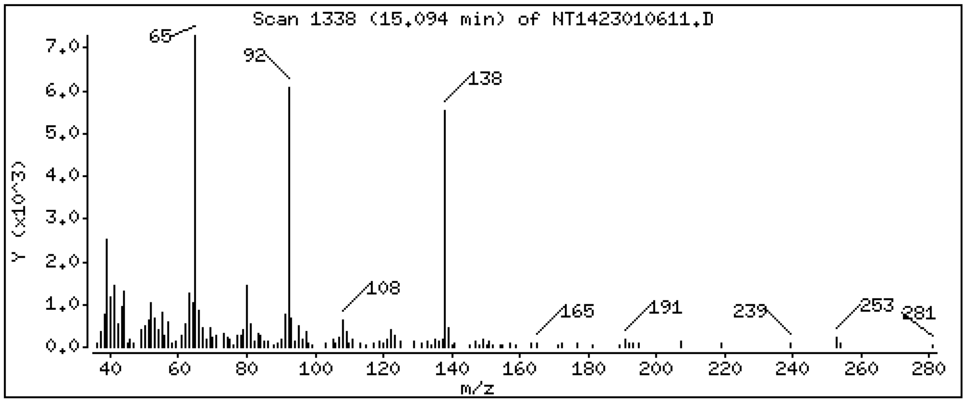
Client ID: Instrument: nt14.i

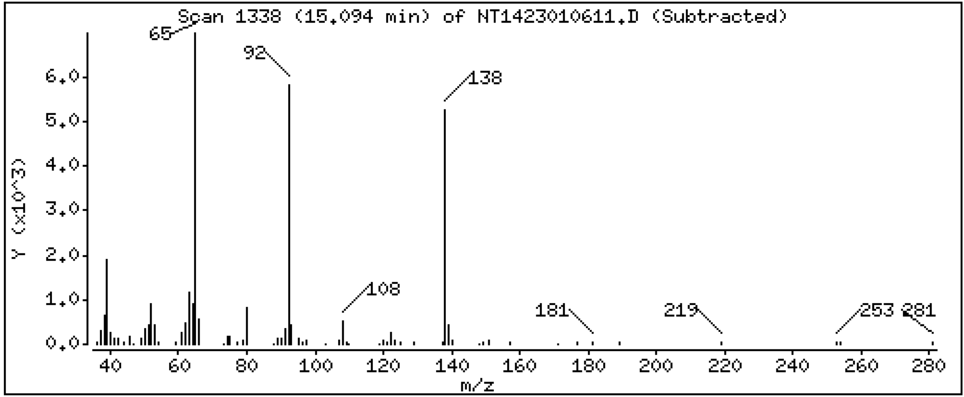
Sample Info: BKL0585-BLK1

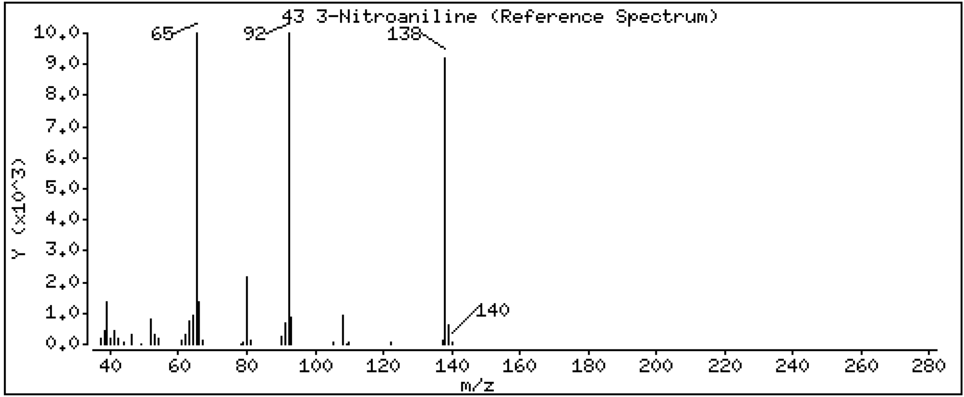
Operator: VTS

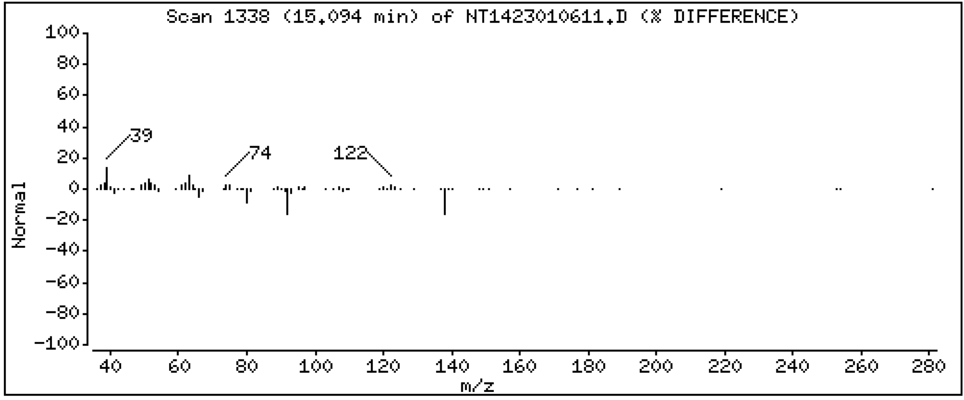
Column phase: ZB-5msi Column diameter: 0.25

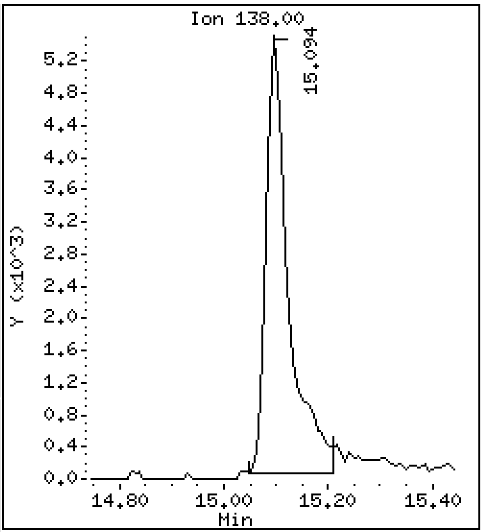
43 3-Nitroaniline Concentration: 0.8845 ug/mL

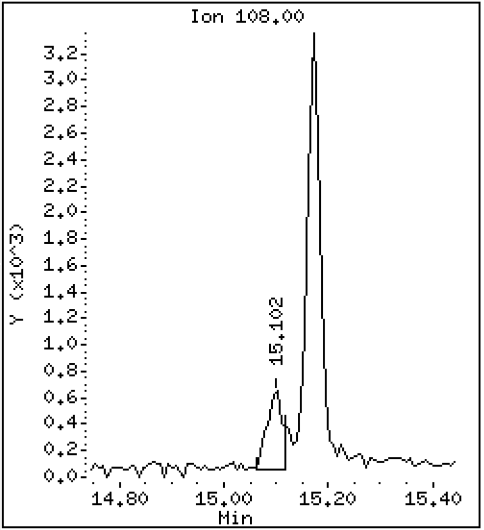


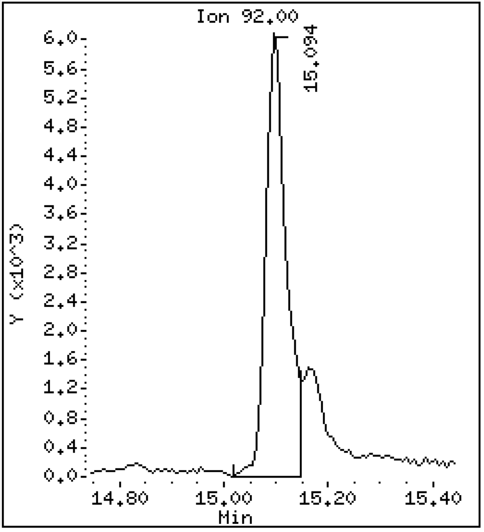












Data File: \\target\share\chem3\nt14.i\20230106.b\NT1423010611.D

Date : 06-JAN-2023 17:38

Client ID:

Instrument: nt14.i

Sample Info: BKL0585-BLK1

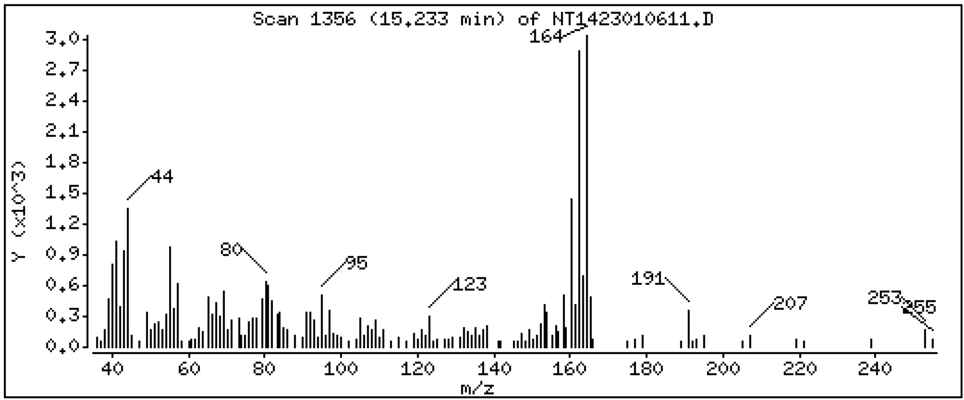
Operator: VTS

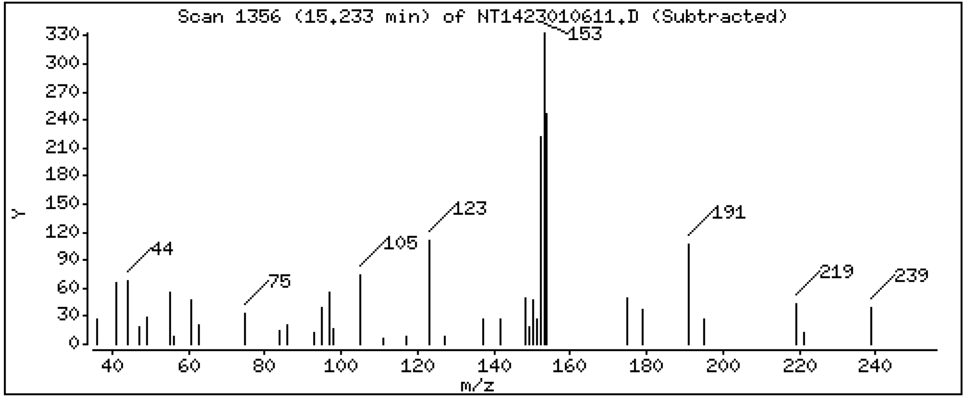
Column phase: ZB-5msi

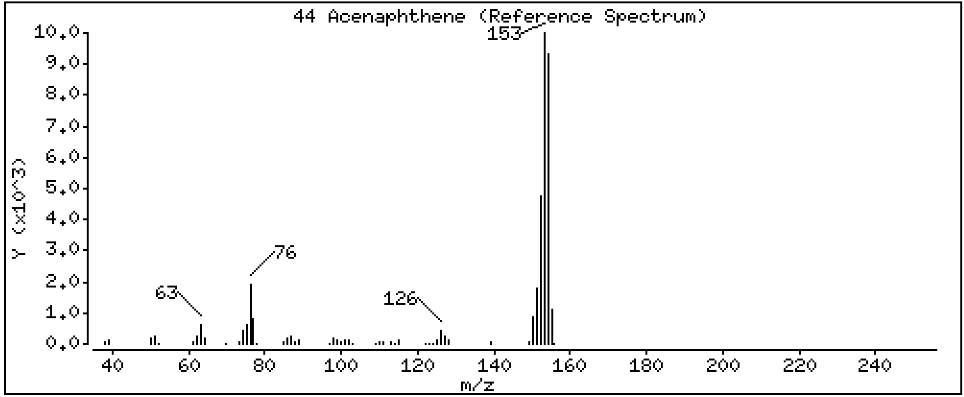
Column diameter: 0.25

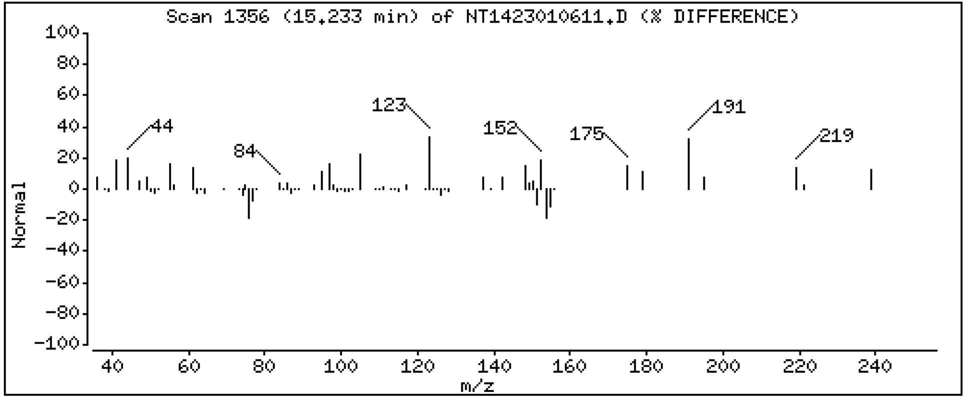
44 Acenaphthene

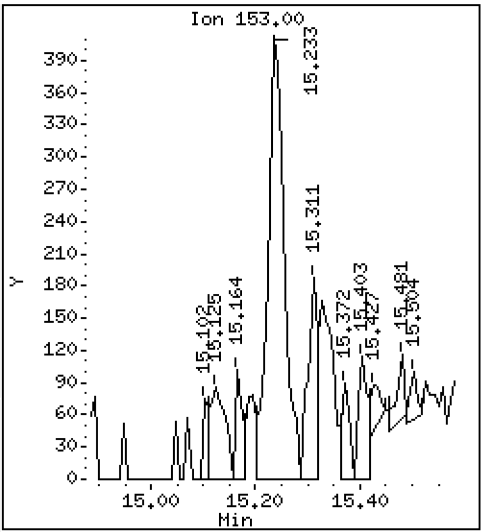
Concentration: 0.01394 ug/mL

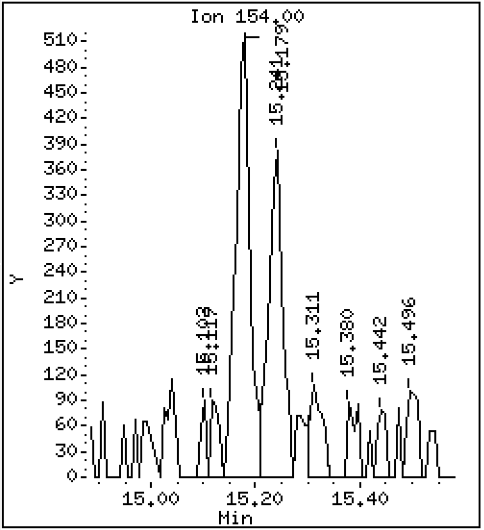

Scan 1356 (15.233 min) of NT1423010611.D

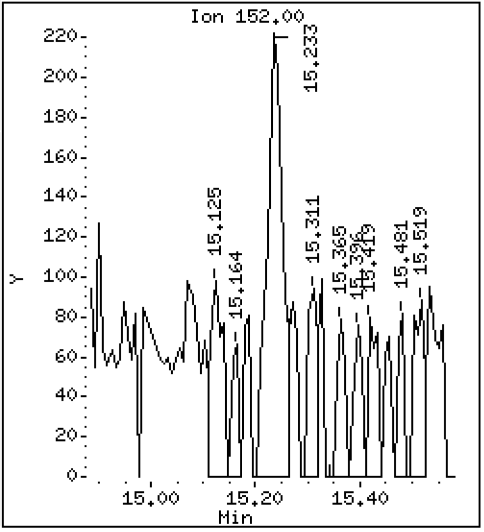

Scan 1356 (15.233 min) of NT1423010611.D (Subtracted)


44 Acenaphthene (Reference Spectrum)


Scan 1356 (15.233 min) of NT1423010611.D (% DIFFERENCE)


Ion 153.00


Ion 154.00


Ion 152.00

Data File: \\target\share\chem3\nt14.i\20230106.b\NT1423010611.D

Date : 06-JAN-2023 17:38

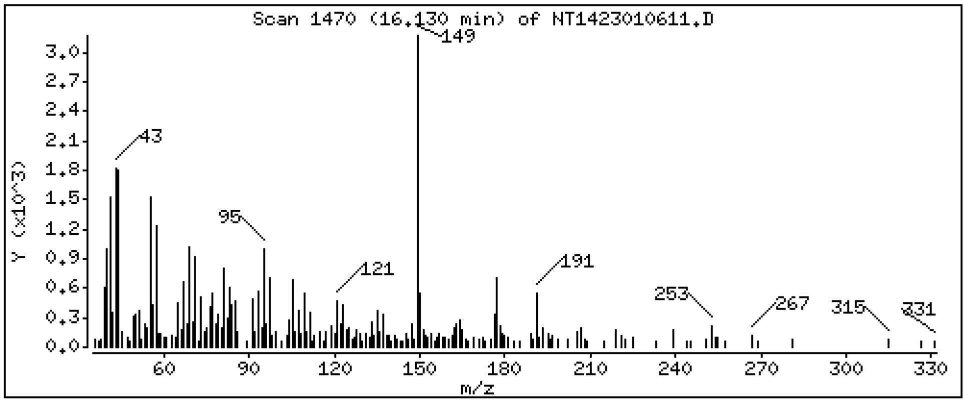
Client ID: Instrument: nt14.i

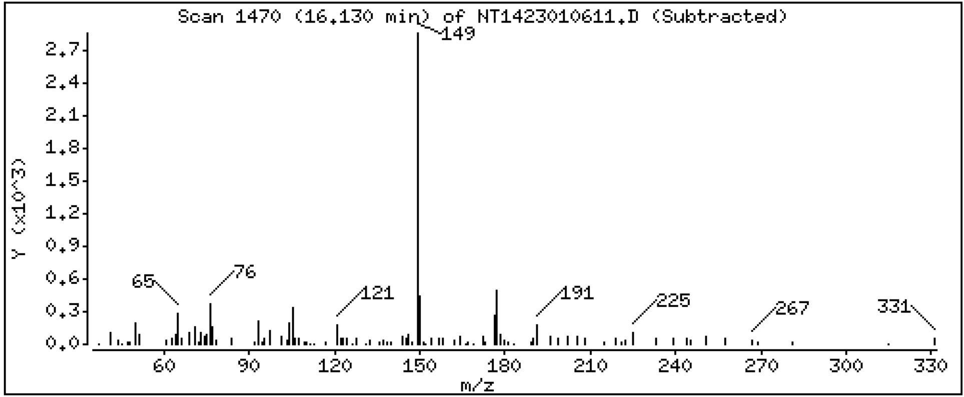
Sample Info: BKL0585-BLK1

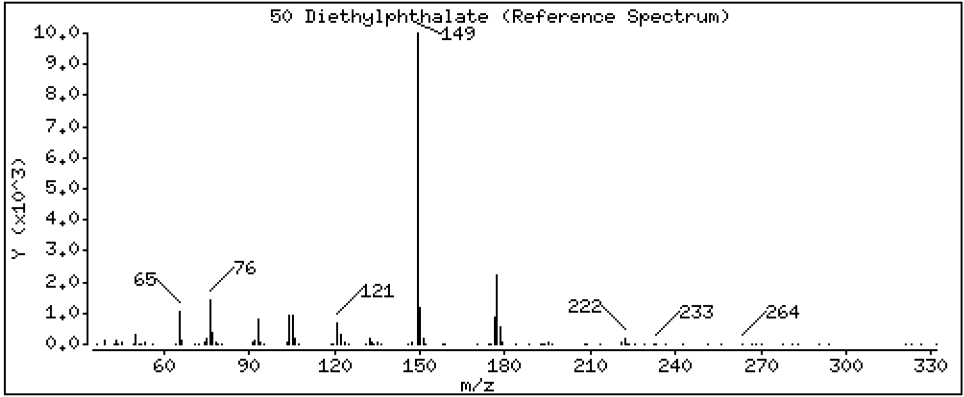
Operator: VTS

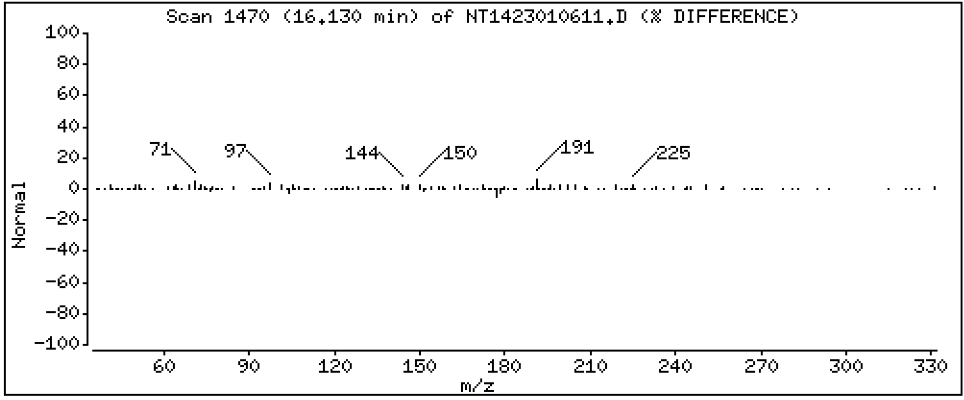
Column phase: ZB-5msi Column diameter: 0.25

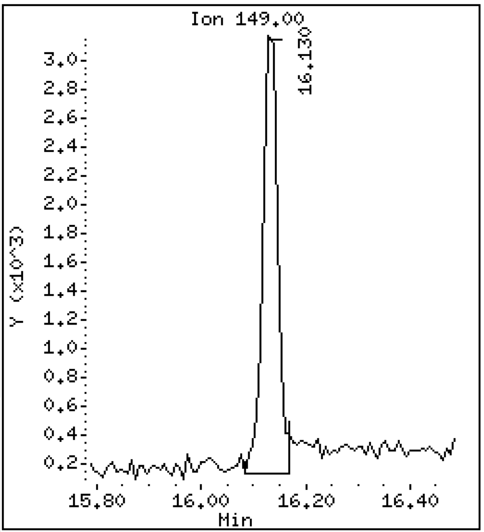
50 Diethylphthalate Concentration: 0.06533 ug/mL

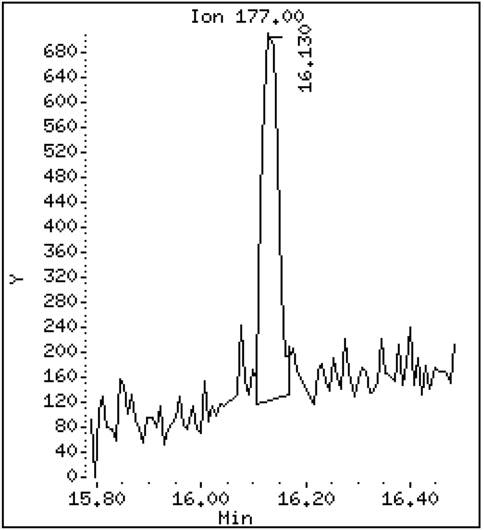

Scan 1470 (16.130 min) of NT1423010611.D

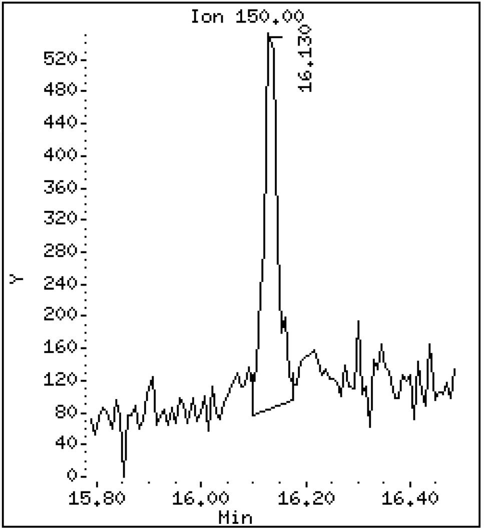

Scan 1470 (16.130 min) of NT1423010611.D (Subtracted)


50 Diethylphthalate (Reference Spectrum)


Scan 1470 (16.130 min) of NT1423010611.D (% DIFFERENCE)


Ion 149.00


Ion 177.00


Ion 150.00

Data File: \\target\share\chem3\nt14.i\20230106.b\NT1423010611.D

Date : 06-JAN-2023 17:38

Client ID:

Instrument: nt14.i

Sample Info: BKL0585-BLK1

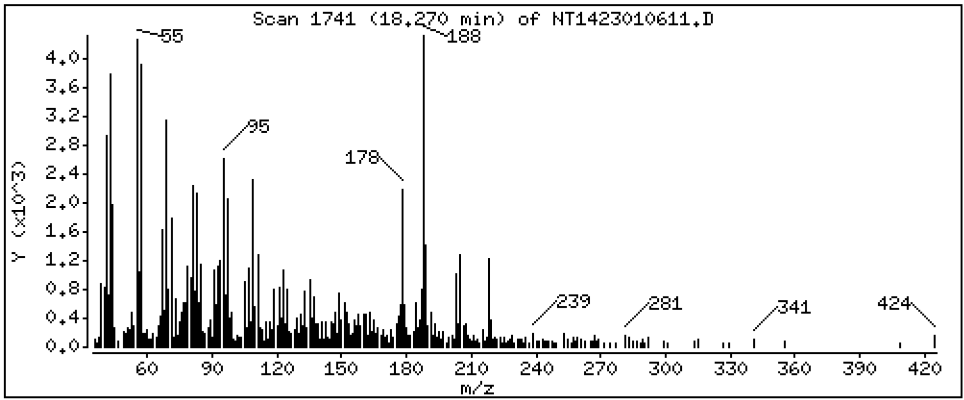
Operator: VTS

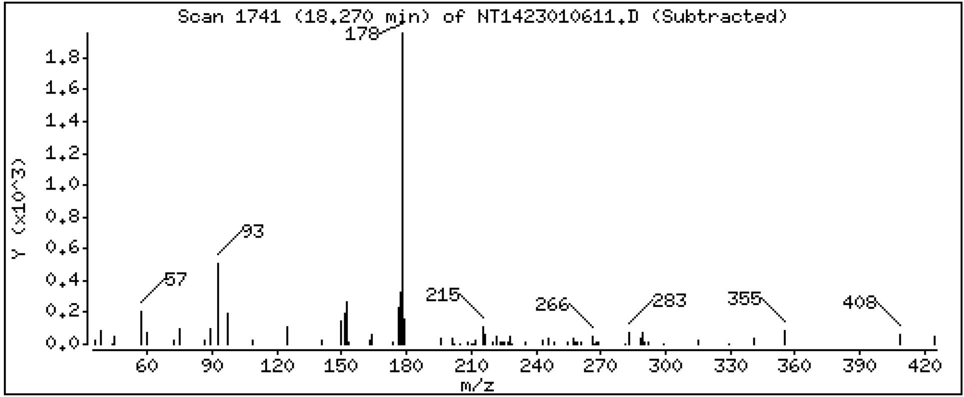
Column phase: ZB-5msi

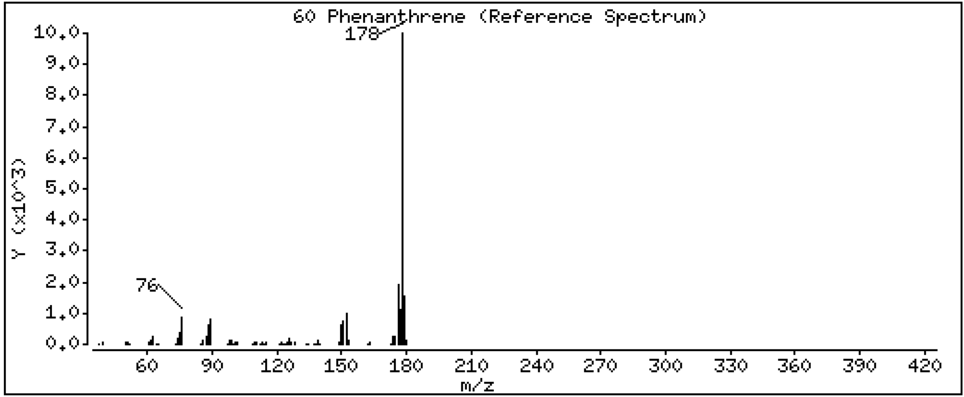
Column diameter: 0.25

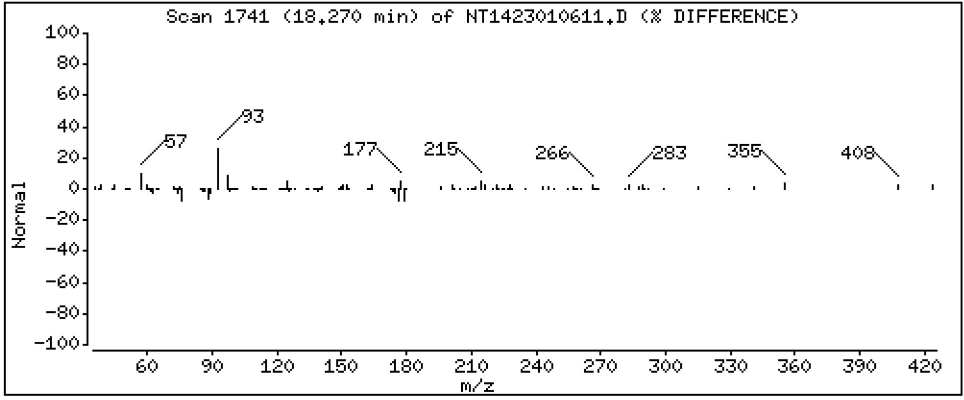
60 Phenanthrene

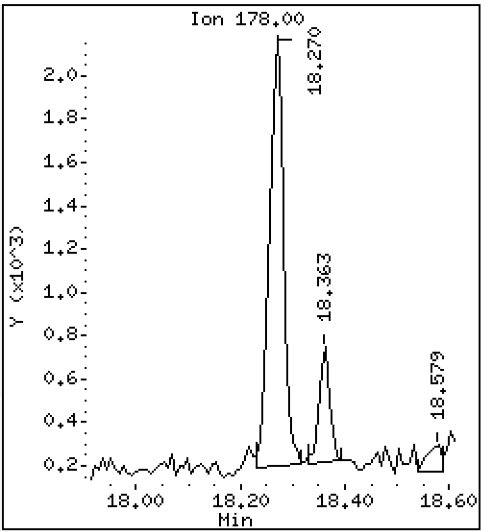
Concentration: 0.03321 ug/mL

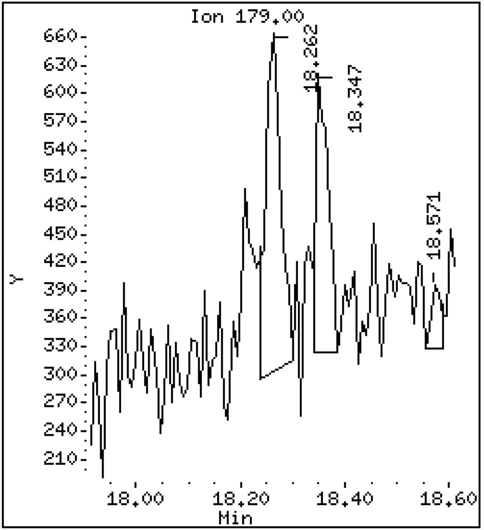

Scan 1741 (18.270 min) of NT1423010611.D


Scan 1741 (18.270 min) of NT1423010611.D (Subtracted)


60 Phenanthrene (Reference Spectrum)


Scan 1741 (18.270 min) of NT1423010611.D (% DIFFERENCE)


Ion 178.00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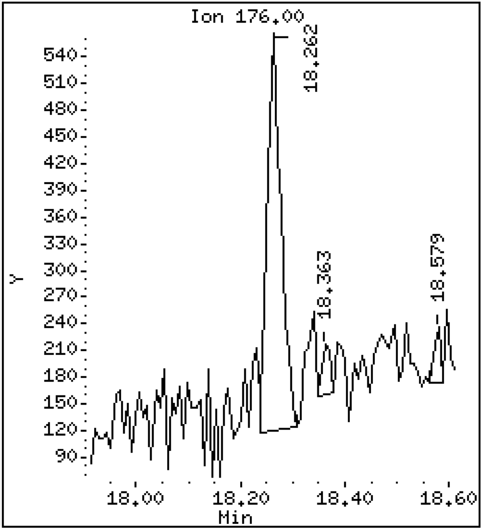

Ion 176.00

Data File: \\target\share\chem3\nt14.i\20230106.b\NT1423010611.D

Date : 06-JAN-2023 17:38

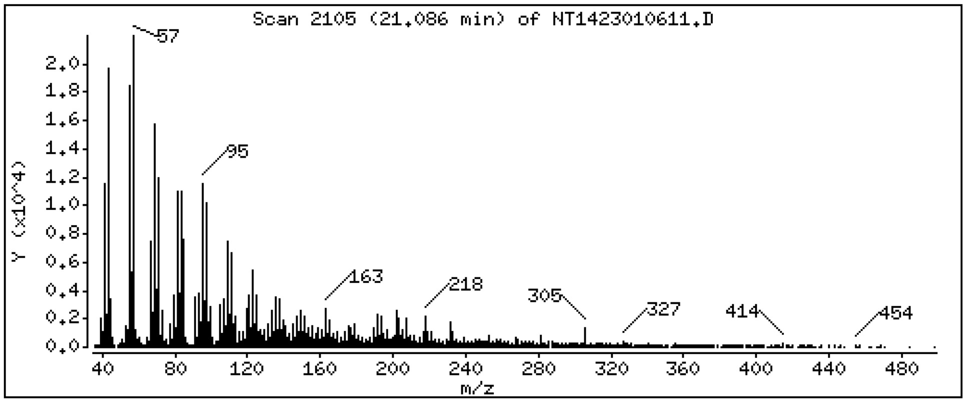
Client ID: Instrument: nt14.i

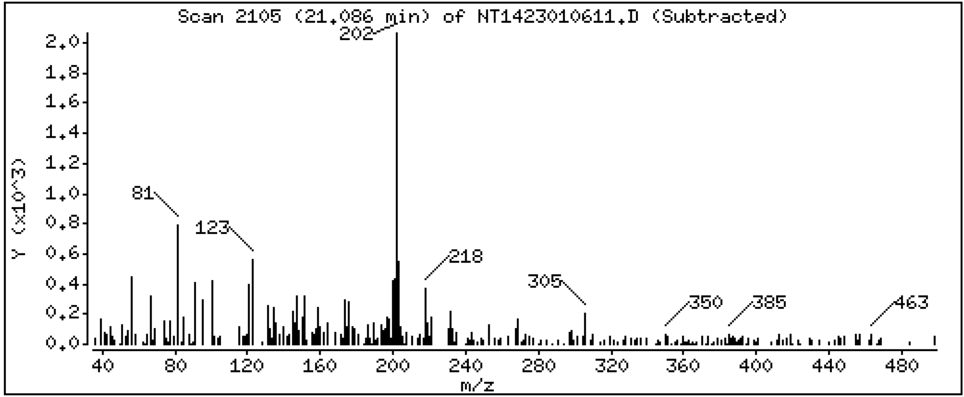
Sample Info: BKL0585-BLK1

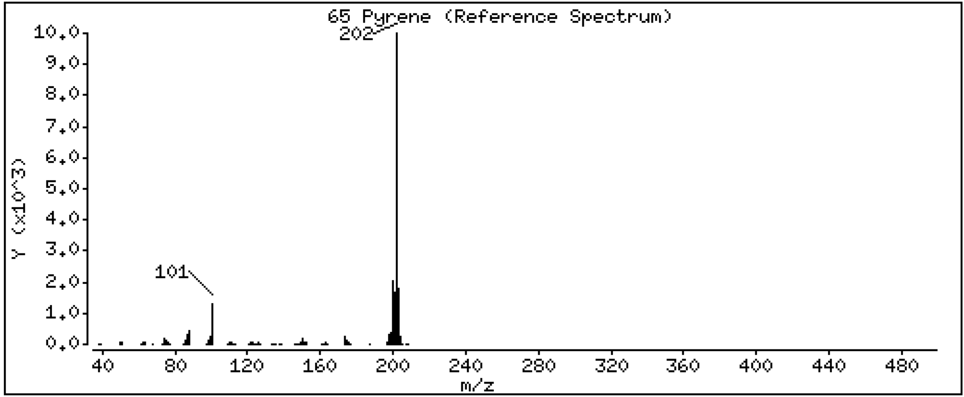
Operator: VTS

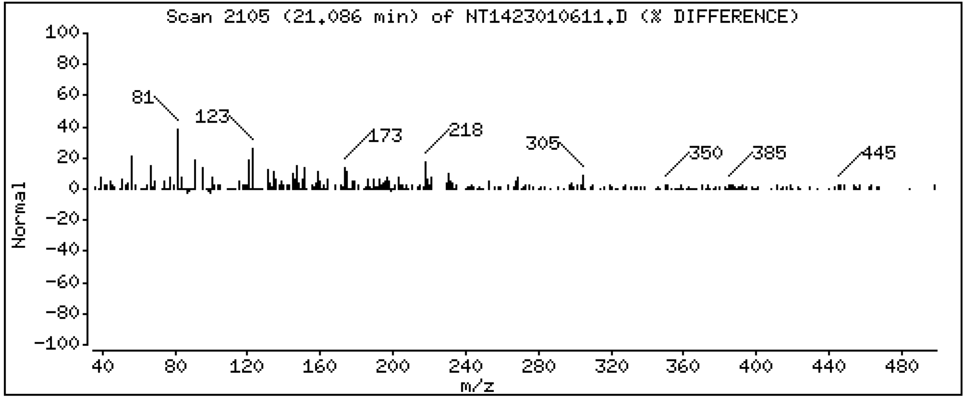
Column phase: ZB-5msi Column diameter: 0.25

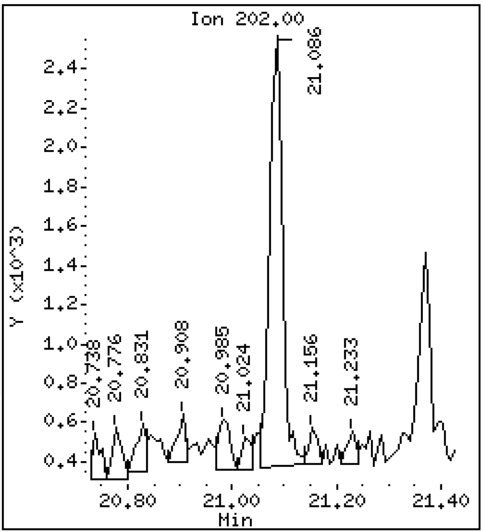
65 Pyrene Concentration: 0.03208 ug/mL

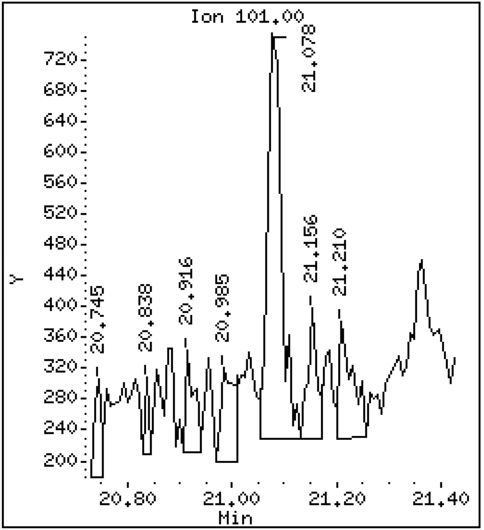

Scan 2105 (21.086 min) of NT1423010611.D


Scan 2105 (21.086 min) of NT1423010611.D (Subtracted)


65 Pyrene (Reference Spectrum)


Scan 2105 (21.086 min) of NT1423010611.D (% DIFFERENCE)


Ion 202.00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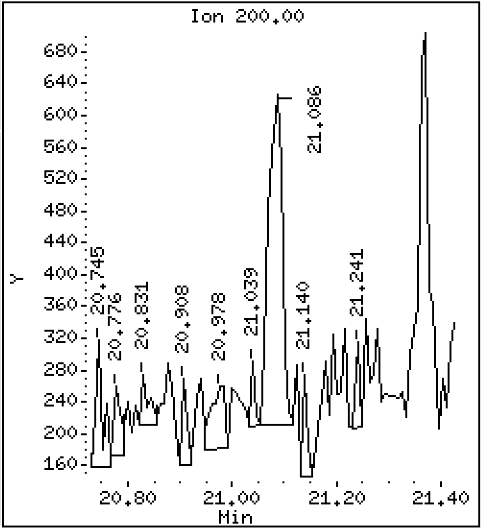

Ion 200.00

Data File: \\target\share\chem3\nt14.i\20230106.b\NT1423010611.D

Date : 06-JAN-2023 17:38

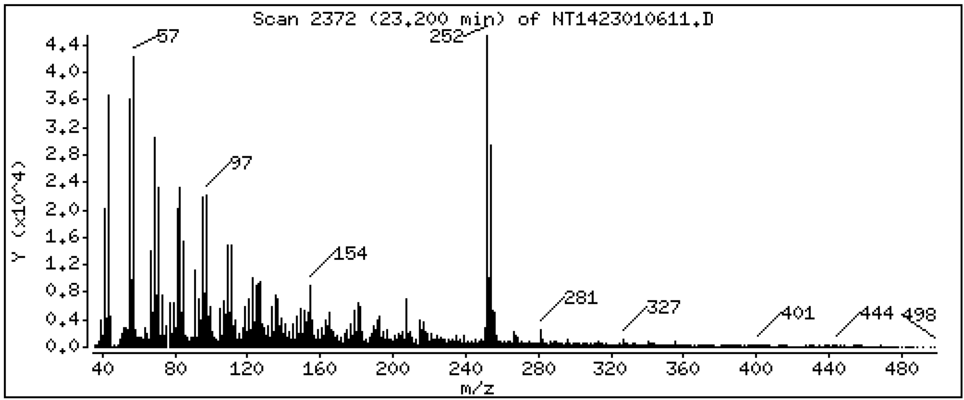
Client ID: Instrument: nt14.i

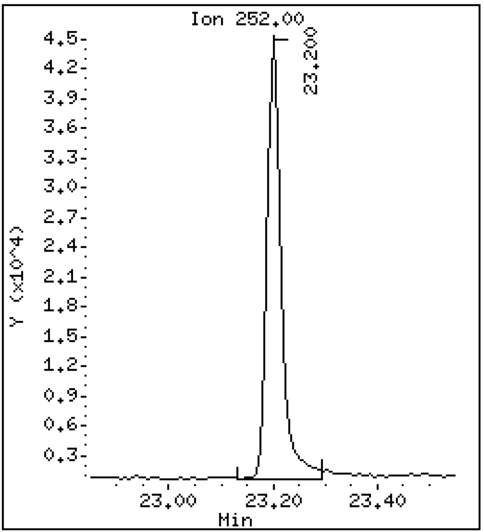
Sample Info: BKL0585-BLK1

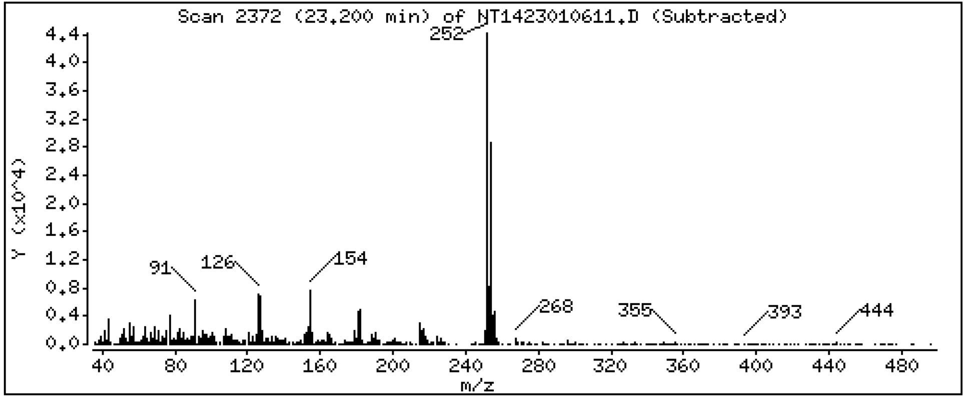
Operator: VTS

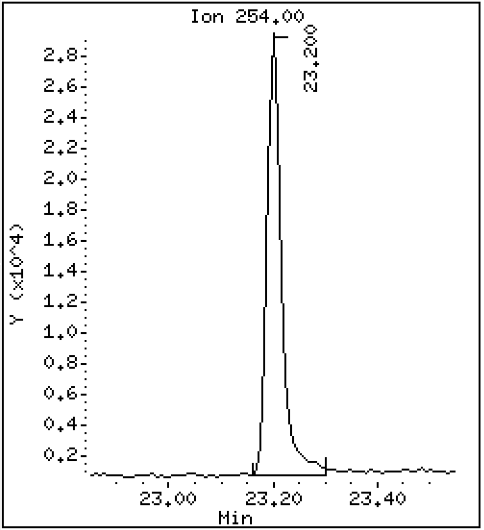
Column phase: ZB-5msi Column diameter: 0.25

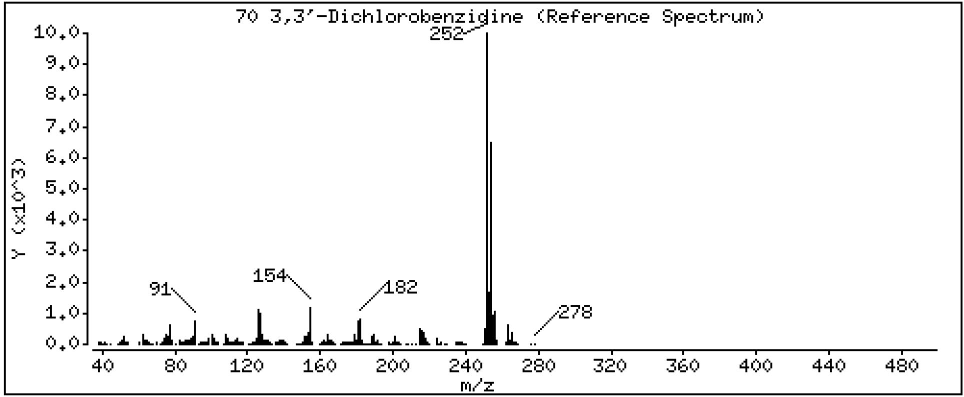
70 3,3'-Dichlorobenzidine Concentration: 2.671 ug/mL

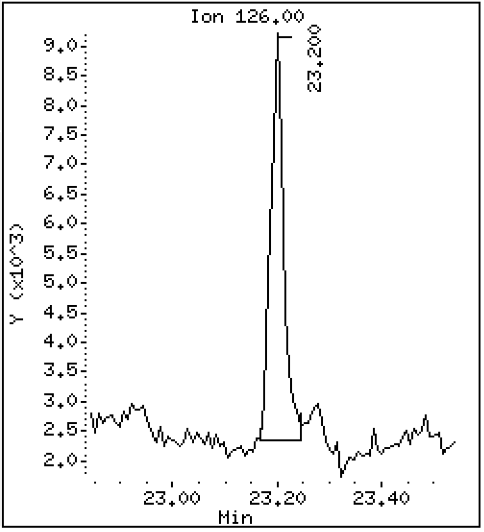


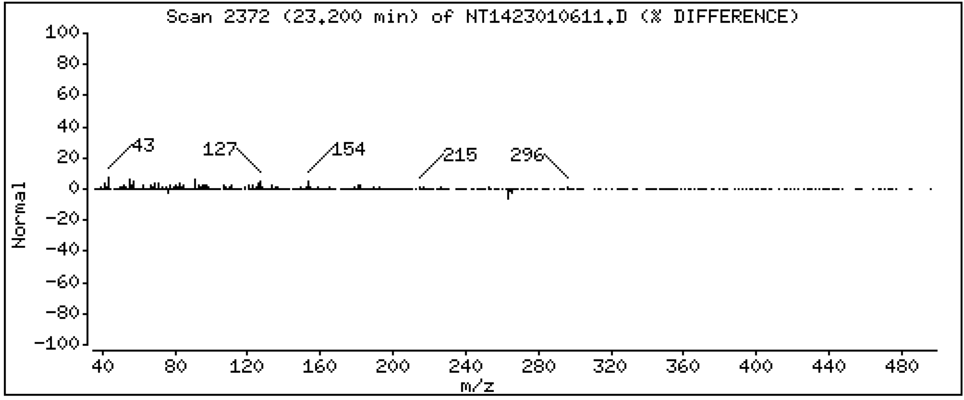












Data File: \\target\share\chem3\nt14.i\20230106.b\NT1423010611.D

Date : 06-JAN-2023 17:38

Client ID:

Instrument: nt14.i

Sample Info: BKL0585-BLK1

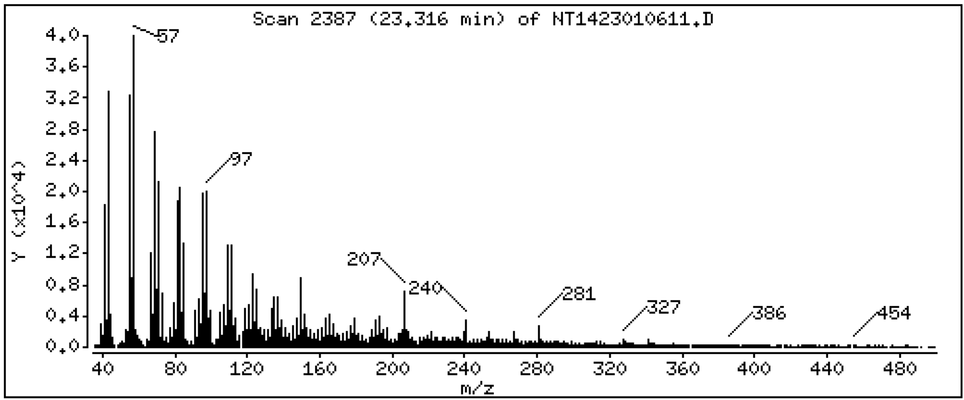
Operator: VTS

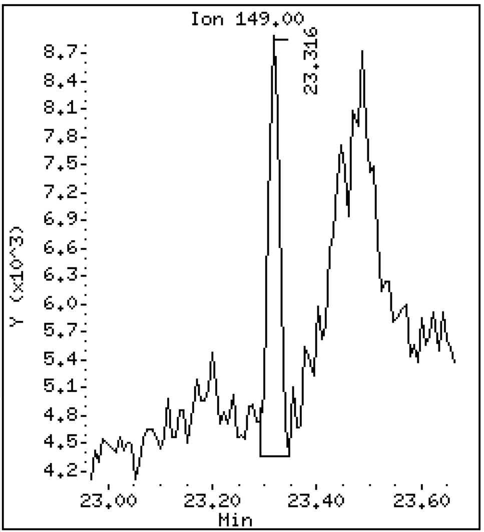
Column phase: ZB-5msi

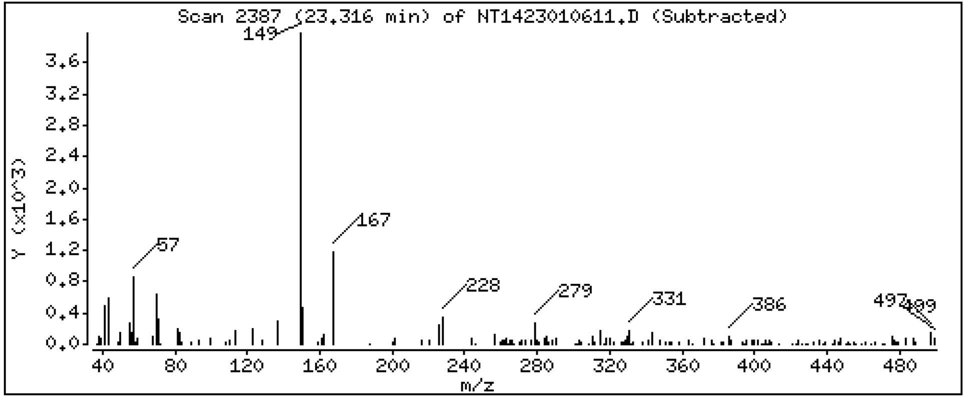
Column diameter: 0.25

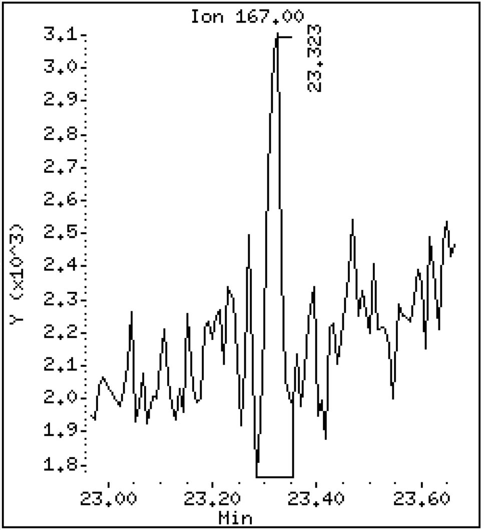
72 bis(2-Ethylhexyl)phthalate

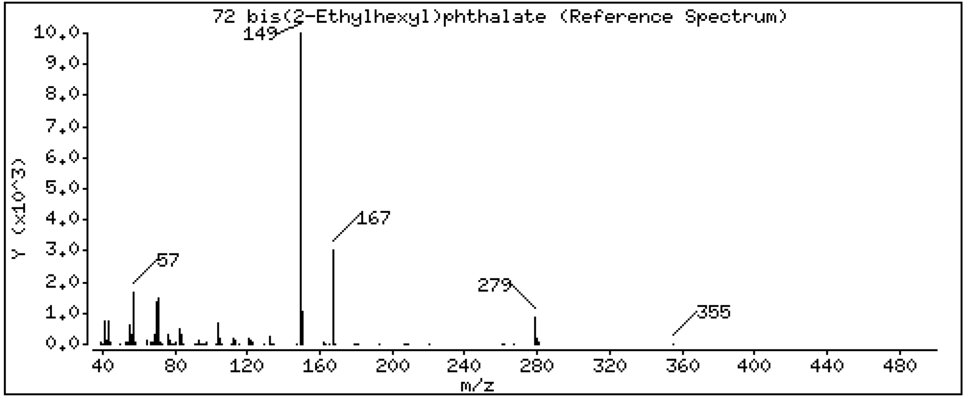
Concentration: 0.08828 ug/mL

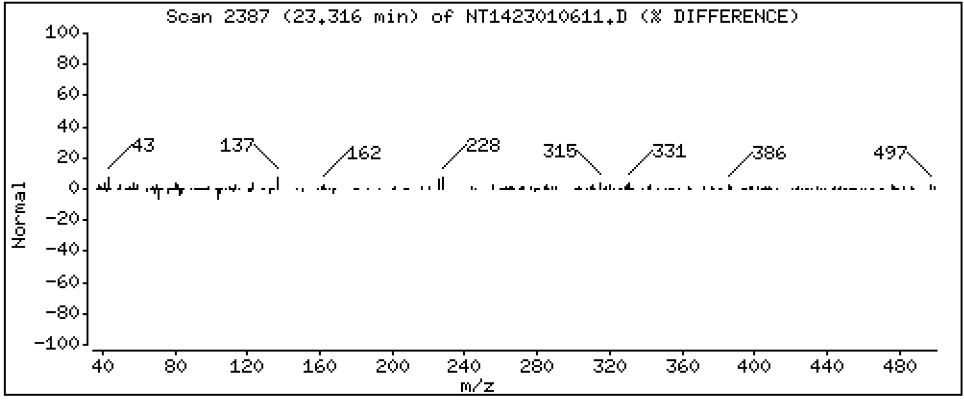

Scan 2387 (23.316 min) of NT1423010611.D

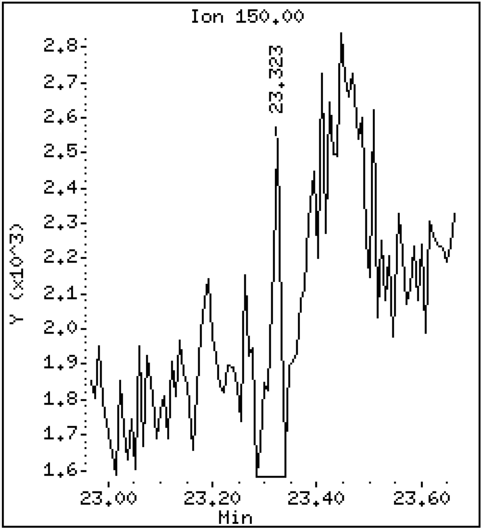

Ion 149.00


Scan 2387 (23.316 min) of NT1423010611.D (Subtracted)


Ion 167.00


72 bis(2-Ethylhexyl)phthalate (Reference Spectrum)


Scan 2387 (23.316 min) of NT1423010611.D (% DIFFERENCE)


Ion 150.00

Data File: \\target\share\chem3\nt14.i\20230106.b\NT1423010611.D

Date : 06-JAN-2023 17:38

Client ID:

Instrument: nt14.i

Sample Info: BKL0585-BLK1

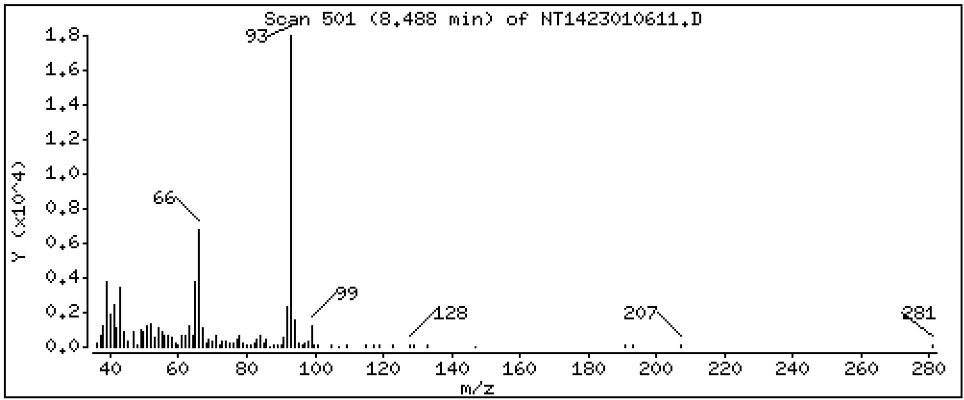
Operator: VTS

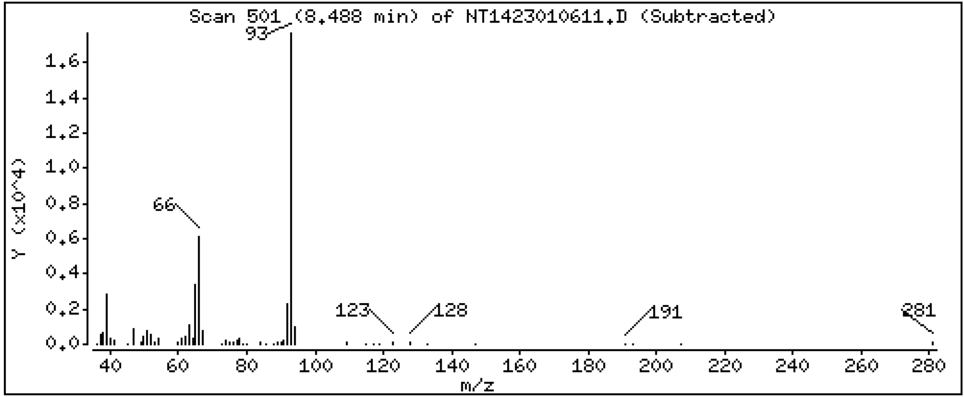
Column phase: ZB-5msi

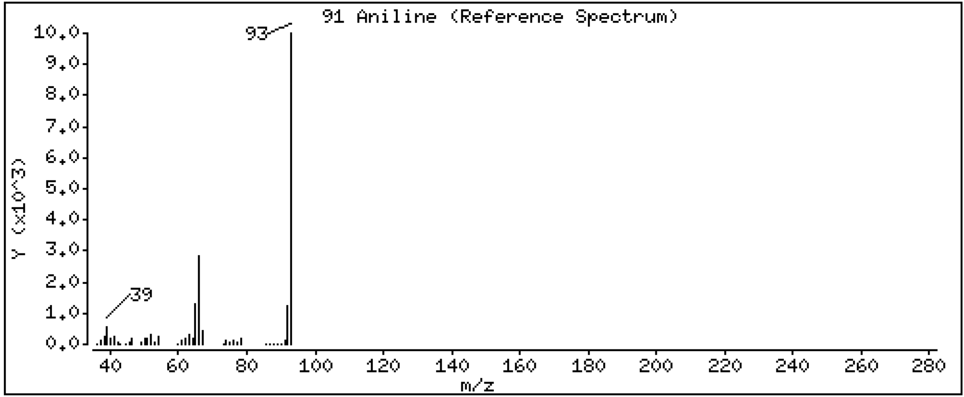
Column diameter: 0.25

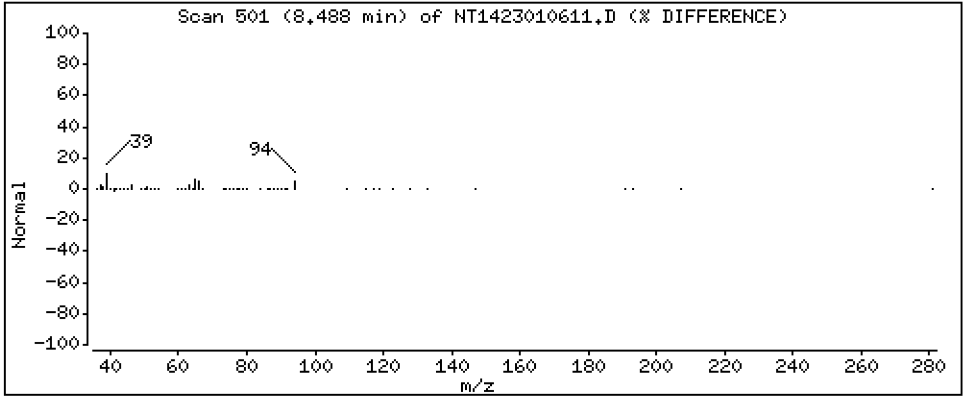
91 Aniline

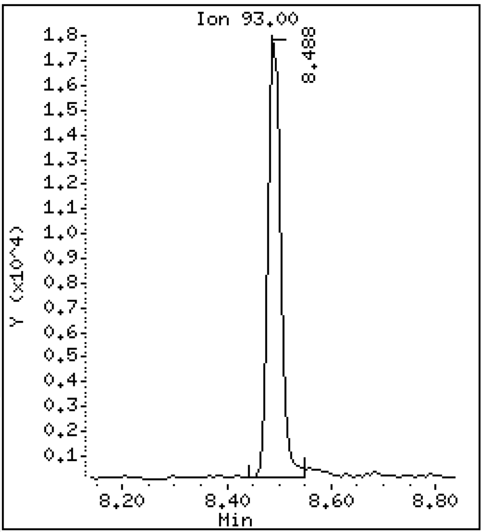
Concentration: 0.4830 ug/mL

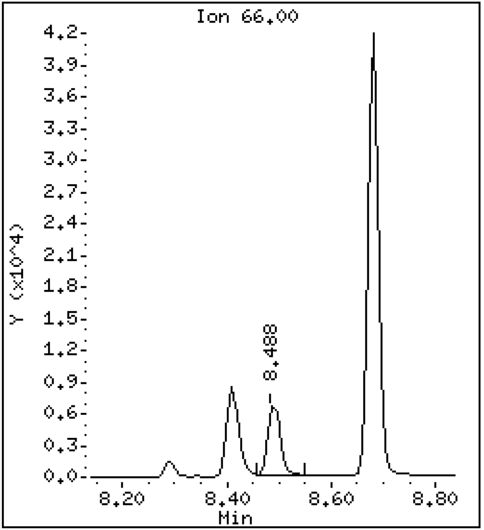

Scan 501 (8.488 min) of NT1423010611.D

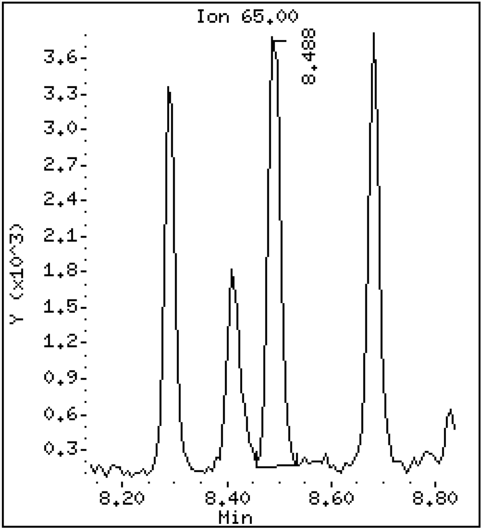

Scan 501 (8.488 min) of NT1423010611.D (Subtracted)


91 Aniline (Reference Spectrum)


Scan 501 (8.488 min) of NT1423010611.D (% DIFFERENCE)


Ion 93.00


Ion 66.00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Data File: \\target\share\chem3\nt14.i\20230106.b\NT1423010611.D

Date : 06-JAN-2023 17:38

Client ID:

Instrument: nt14.i

Sample Info: BKL0585-BLK1

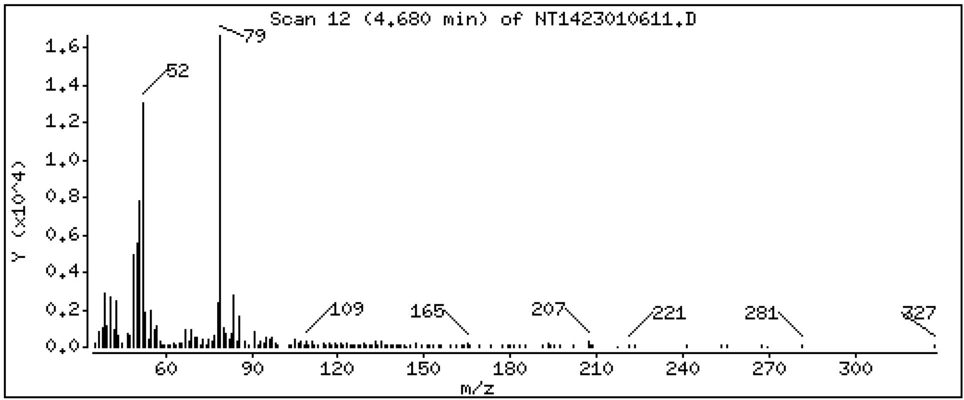
Operator: VTS

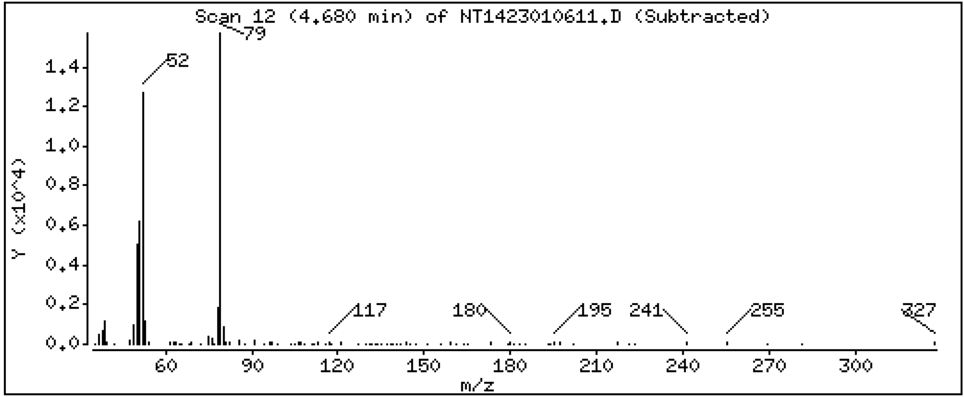
Column phase: ZB-5msi

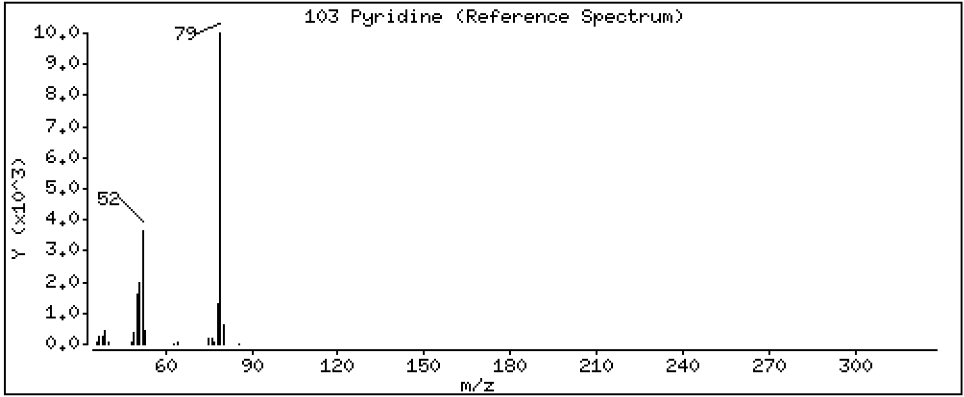
Column diameter: 0.25

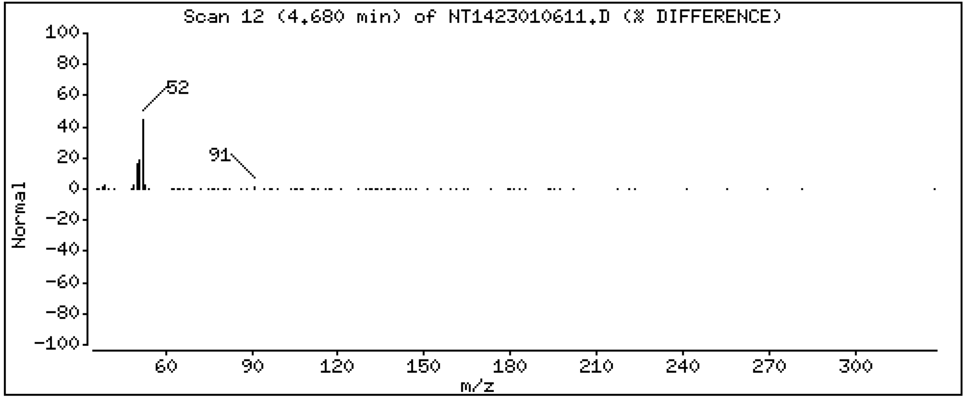
103 Pyridine

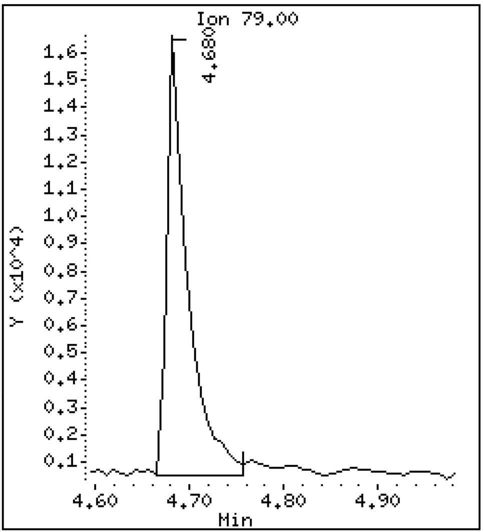
Concentration: 0.2714 ug/mL

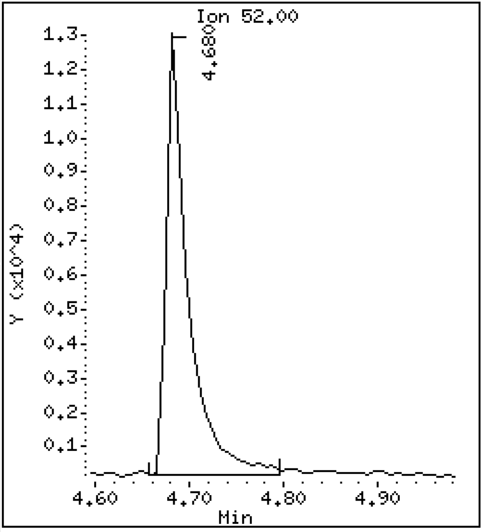

Scan 12 (4.680 min) of NT1423010611.D


Scan 12 (4.680 min) of NT1423010611.D (Subtracted)


103 Pyridine (Reference Spectrum)


Scan 12 (4.680 min) of NT1423010611.D (% DIFFERENCE)


Ion 79.00


Ion 52.00

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Data File: \\target\share\chem3\nt14.i\20230106.b\NT1423010611.D Page 1
Report Date: 09-Jan-2023 15:26


                                  ARI Labs, Inc.

                      Semivolatile Report SW846 Method 8270D
Data file : \\target\share\chem3\nt14.i\20230106.b\NT1423010611.D
Lab Smp Id: BKL0585-BLK1
Inj Date  : 06-JAN-2023 17:38             MS Autotune Date: 17-MAY-2011 01:22
Operator  : VTS                           Inst ID: nt14.i
Smp Info  : BKL0585-BLK1
Misc Info :
Comment   : 1ul Injection
Method    : \\target\share\chem3\nt14.i\20230106.b\ABN.m
Meth Date : 09-Jan-2023 14:48 deenayd    Quant Type: ISTD
Cal Date  : 30-DEC-2022 11:07             Cal File: NT1422123007.D
Als bottle: 11
Dil Factor: 1.00000
Integrator: HP RTE                        Compound Sublist: ICAL.sub
Target Version:  4.14
Processing Host: DEENAY-201905


                                                                                          CONCENTRATIONS
                                     QUANT SIG                                        ON-COLUMN    FINAL
Compounds                              MASS          RT   EXP RT   REL RT  RESPONSE    (ug/mL)     (ug/mL)
==========================             ====         ==== ======== ======== ========    =======     =======
$   1 2-Fluorophenol                    112        6.819   6.811 (0.754)     206488    4.81344      4.813
$   2 Phenol-d5                          99        8.411   8.403 (0.930)     248546    4.68828      4.688
    3 Phenol                             94           Compound Not Detected.
$   5 2-Chlorophenol-d4                 132        8.681   8.673 (0.960)     237666    5.33796      5.338
    4 Bis(2-Chloroethyl)ether            93        8.488   8.580 (0.938)      28329    0.68268     0.6827
    6 2-Chlorophenol                    128           Compound Not Detected.
    7 1,3-Dichlorobenzene               146           Compound Not Detected.
*   8 1,4-Dichlorobenzene-d4            152        9.045   9.037 (1.000)     133901    4.00000
    9 1,4-Dichlorobenzene               146           Compound Not Detected.
$  10 1,2-Dichlorobenzene-d4            152        9.402   9.401 (1.039)     107064    3.51826      3.518
   12 1,2-Dichlorobenzene               146           Compound Not Detected.
   11 Benzyl alcohol                    108           Compound Not Detected.
   14 2,2'-oxybis(1-Chloropropane)      121           Compound Not Detected.
   13 2-Methylphenol                    108           Compound Not Detected.
   17 Hexachloroethane                  117           Compound Not Detected.
   16 N-Nitroso-di-n-propylamine         70       10.139   9.867 (1.121)      22748    0.85310     0.8531
   15 4-Methylphenol                    108           Compound Not Detected.
$  18 Nitrobenzene-d5                    82       10.139  10.131 (0.878)     170869    4.18274      4.183
   19 Nitrobenzene                       77           Compound Not Detected.
   20 Isophorone                         82           Compound Not Detected.
   21 2-Nitrophenol                     139           Compound Not Detected.
   22 2,4-Dimethylphenol                107           Compound Not Detected.
   23 Bis(2-Chloroethoxy)methane         93           Compound Not Detected.
   24 Benzoic acid                      105           Compound Not Detected.
   25 2,4-Dichlorophenol                162       11.272  11.263 (0.977)        270    0.00756   0.007565
   26 1,2,4-Trichlorobenzene            180           Compound Not Detected.
*  27 Naphthalene-d8                    136       11.542  11.542 (1.000)     483764    4.00000
   28 Naphthalene                       128       11.581  11.581 (1.003)       3478    0.02921    0.02921
   29 4-Chloroaniline                   127       11.712  11.704 (1.015)      14461    0.29454     0.2945
   30 Hexachlorobutadiene               225           Compound Not Detected.
   31 4-Chloro-3-methylphenol           107           Compound Not Detected.
   32 2-Methylnaphthalene               142           Compound Not Detected.
   33 Hexachlorocyclopentadiene         237           Compound Not Detected.
```

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                                                                                          CONCENTRATIONS
                                      QUANT SIG                                         ON-COLUMN     FINAL
Compounds                               MASS           RT   EXP RT   REL RT  RESPONSE    (ug/mL)     (ug/mL)
==========================              ====          ==== ======== ======== ========    =======     =======
   34 2,4,6-Trichlorophenol               196           Compound Not Detected.
   35 2,4,5-Trichlorophenol               196           Compound Not Detected.
$  36 2-Fluorobiphenyl                   172        13.770  13.770 (0.908)     290628    3.68321       3.683
   37 2-Chloronaphthalene                 162           Compound Not Detected.
   38 2-Nitroaniline                       65           Compound Not Detected.
   39 Dimethylphthalate                   163           Compound Not Detected.
   40 Acenaphthylene                      152           Compound Not Detected.
   41 2,6-Dinitrotoluene                  165           Compound Not Detected.
*  42 Acenaphthene-d10                   164        15.171  15.171 (1.000)     234685    4.00000
   43 3-Nitroaniline                     138        15.094  15.093 (0.995)      16057    0.88449      0.8845
   44 Acenaphthene                       153        15.233  15.232 (1.004)        885    0.01394     0.01394
   45 2,4-Dinitrophenol                   184           Compound Not Detected.
   46 Dibenzofuran                        168           Compound Not Detected.
   47 4-Nitrophenol                       109           Compound Not Detected.
   48 2,4-Dinitrotoluene                  165           Compound Not Detected.
   50 Diethylphthalate                   149        16.130  16.137 (1.063)       5877    0.06533     0.06533
   49 Fluorene                            166           Compound Not Detected.
   51 4-Chlorophenyl-phenylether          204           Compound Not Detected.
   52 4-Nitroaniline                      138           Compound Not Detected.
   53 4,6-Dinitro-2-methylphenol          198           Compound Not Detected.
   54 N-Nitrosodiphenylamine              169           Compound Not Detected.
$  55 2,4,6-Tribromophenol               330        16.824  16.816 (1.109)      54548    4.83820       4.838
   56 4-Bromophenyl-phenylether           248           Compound Not Detected.
   57 Hexachlorobenzene                   284           Compound Not Detected.
   58 Pentachlorophenol                   266           Compound Not Detected.
*  59 Phenanthrene-d10                   188        18.223  18.215 (1.000)     422383    4.00000
   60 Phenanthrene                       178        18.269  18.261 (1.003)       3657    0.03321     0.03321
   61 Anthracene                          178           Compound Not Detected.
   62 Carbazole                           167           Compound Not Detected.
   63 Di-n-butylphthalate                 149           Compound Not Detected.
   64 Fluoranthene                        202           Compound Not Detected.
   65 Pyrene                             202        21.085  21.077 (0.906)       3574    0.03208     0.03208
$  66 Terphenyl-d14                      244        21.372  21.364 (0.918)     390651    4.94539       4.945
   67 Butylbenzylphthalate                149           Compound Not Detected.
   68 Benzo(a)anthracene                  228           Compound Not Detected.
*  69 Chrysene-d12                       240        23.276  23.268 (1.000)     329074    4.00000
   70 3,3'-Dichlorobenzidine             252        23.199  23.199 (0.997)      81514    2.67115       2.671
   71 Chrysene                            228           Compound Not Detected.
   72 bis(2-Ethylhexyl)phthalate         149        23.315  23.315 (0.960)       6497    0.08828     0.08828
* 134 Di-n-octylphthalate-d4             153        24.298  24.298 (1.000)     662645    4.00000
   73 Di-n-octylphthalate                 149           Compound Not Detected.
   74 Benzo(b)fluoranthene                252           Compound Not Detected.
   75 Benzo(k)fluoranthene                252           Compound Not Detected.
   76 Benzo(a)pyrene                      252           Compound Not Detected.
*  77 Perylene-d12                       264        25.909  25.901 (1.000)     355478    4.00000
   78 Indeno(1,2,3-cd)pyrene              276           Compound Not Detected.
   79 Dibenzo(a,h)anthracene              278           Compound Not Detected.
   80 Benzo(g,h,i)perylene                276           Compound Not Detected.
   90 N-Nitrosodimethylamine               74           Compound Not Detected.
   91 Aniline                             93         8.488   8.487 (0.938)      28329    0.48298      0.4830
   93 Benzidine                           184           Compound Not Detected.
  103 Pyridine                            79         4.680   4.633 (0.517)      25476    0.27137      0.2714
  105 1-methylnaphthalene                 142           Compound Not Detected.
  111 Azobenzene (1,2-DP-Hydrazine)        77           Compound Not Detected.
```

```
                                                                                          CONCENTRATIONS
                                     QUANT SIG                                          ON-COLUMN    FINAL
Compounds                               MASS          RT    EXP RT   REL RT  RESPONSE     (ug/mL)     (ug/mL)
==========================              ====          ==== ======== ======== ========     =======     =======
  187 Total Benzofluoranthenes            252           Compound Not Detected.
  120 2,3,4,6-Tetrachlorophenol           232           Compound Not Detected.
```

Data File: \\target\share\chem3\nt14.i\20230106.b\NT1423010611.D Page 1
Report Date: 09-Jan-2023 15:26

ARI Labs, Inc.

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: nt14.i
Lab File ID: NT1423010611.D
Lab Smp Id: BKL0585-BLK1
Analysis Type: SV
Quant Type: ISTD
Operator: VTS
Method File: \\target\share\chem3\nt14.i\20230106.b\ABN.m
Misc Info:

Calibration Date: 06-JAN-2023
Calibration Time: 12:05
Level:
Sample Type:

Test Mode:
Use Last Continuing Calibrator.

COMPOUND	STANDARD	AREA LIMIT LOWER	 UPPER	SAMPLE	%DIFF
8 1,4-Dichlorobenze	134115	67058	268230	133901	-0.16
27 Naphthalene-d8	499117	249559	998234	483764	-3.08
42 Acenaphthene-d10	260320	130160	520640	234685	-9.85
59 Phenanthrene-d10	432406	216203	864812	422383	-2.32
69 Chrysene-d12	317887	158944	635774	329074	3.52
134 Di-n-octylphthala	664061	332031	1328122	662645	-0.21
77 Perylene-d12	313716	156858	627432	355478	13.31

COMPOUND	STANDARD	RT LIMIT LOWER	 UPPER	SAMPLE	%DIFF
8 1,4-Dichlorobenze	9.04	8.54	9.54	9.05	0.09
27 Naphthalene-d8	11.54	11.04	12.04	11.54	0.00
42 Acenaphthene-d10	15.17	14.67	15.67	15.17	0.00
59 Phenanthrene-d10	18.22	17.72	18.72	18.22	0.04
69 Chrysene-d12	23.27	22.77	23.77	23.28	0.03
134 Di-n-octylphthala	24.30	23.80	24.80	24.30	0.00
77 Perylene-d12	25.90	25.40	26.40	25.91	0.03

AREA UPPER LIMIT = +100% of internal standard area.
AREA LOWER LIMIT = - 50% of internal standard area.
RT UPPER LIMIT = + 0.50 minutes of internal standard RT.
RT LOWER LIMIT = - 0.50 minutes of internal standard RT.

```
REVIEW SUMMARY FOR FILE - NT1423010611.D

Lab ID: BKL0585-BLK1
nt14.i,  20230106.b\ABN.m,    06-JAN-2023 17:38


     RT      CO-ELUTION COMPOUNDS
---------------------------------------------------------------------------

            NO CO-ELUTIONS



Quant Method: ICAL




        RRT CHECK

   RRT    CCV RRT   DELTA    COMPOUND
 -------------------------------------

  0.938    0.949   -0.0111   Bis(2-Chloroethyl)ether
  1.121    1.092    0.0291   N-Nitroso-di-n-propylamine

  RRT check based on Ccal File: NT1423010602.D



 On Column LOD for nt14.i, 20230106.b\ABN.m, ICAL.sub = 0.0000




 * Only compounds listed in the work order have been verified by the analyst *
```

Form I

METHOD BLANK DATA SHEET

EPA 8270E

Blank

Laboratory:	Analytical Resources, LLC			SDG:	22L0307
Client:	Anchor QEA, LLC			Project:	AOC4 UR Phase 3
Matrix:	Solid	Laboratory ID:	BKL0585-BLK2	File ID:	NT1423010621.D
Sampled:	N/A	Prepared:	12/27/22 11:08	Analyzed:	01/06/23 23:39
Solids:		Preparation:	EPA 3546 (Microwave)	Initial/Final:	10 g / 1 mL
Batch:	BKL0585	Sequence:	SLA0068	Calibration:	FL00066
Instrument:	NT14	Column:	ZB-5MS		

CAS NO.	COMPOUND	DILUTION	CONC: (ug/kg wet)	Q	DL	RL
85-68-7	Butylbenzylphthalate	1	20.0	U	9.4	20.0

SURROGATES	ADDED: (ug/kg wet)	FOUND: (ug/kg wet)	% REC	QC LIMITS	Q
p-Terphenyl-d14	500.00	499	99.8	37 - 120	

Data File: \\target\share\chem3\nt14.i\20230106.b\NT1423010621.D

Date : 06-JAN-2023 23:39

Client ID:

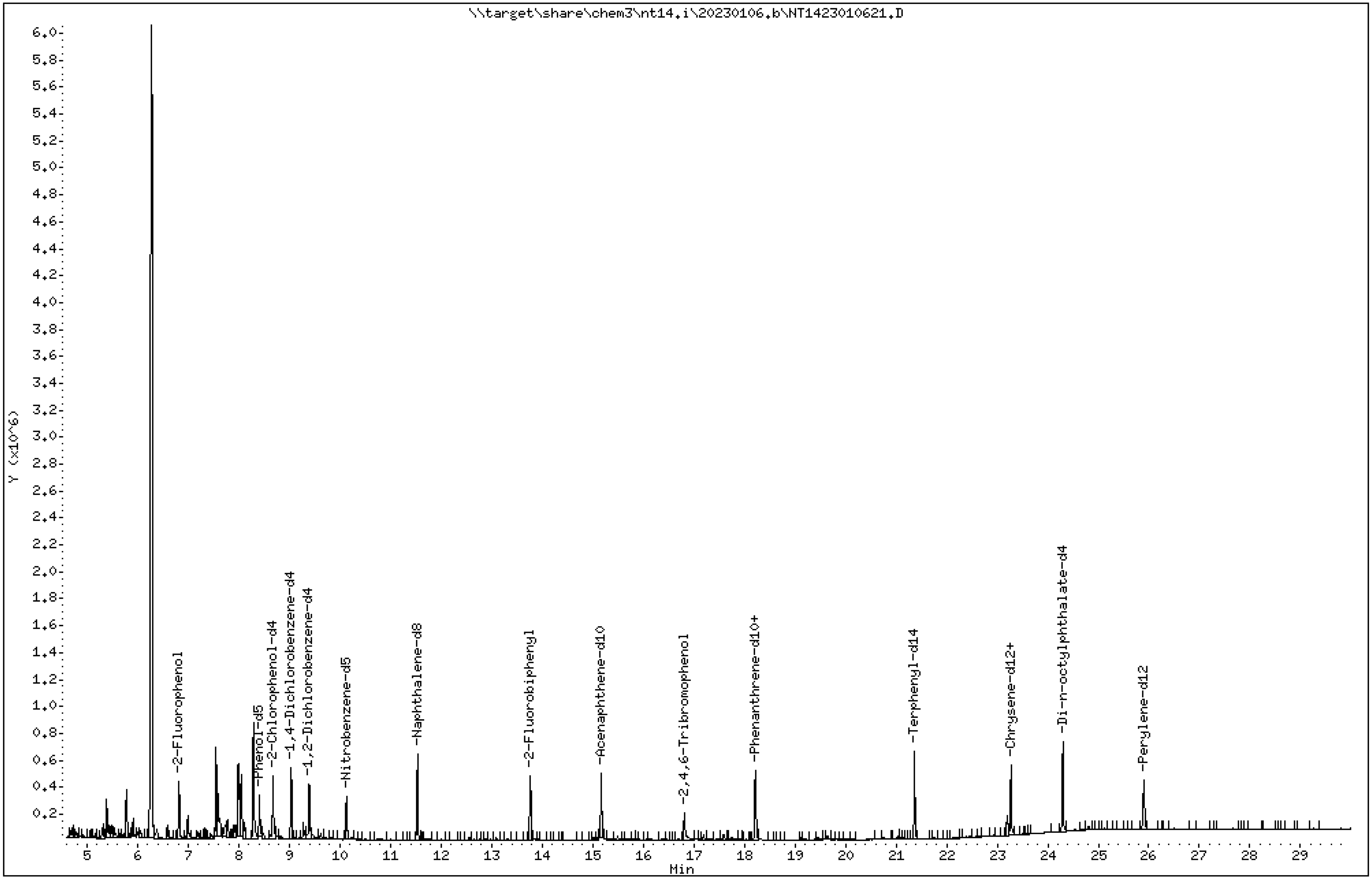
Instrument: nt14.i

Sample Info: BKL0585-BLK2

Operator: VTS

Column phase: ZB-5msi

Column diameter: 0.25



Data File: \\target\share\chem3\nt14.i\20230106.b\NT1423010621.D

Date : 06-JAN-2023 23:39

Client ID:

Instrument: nt14.i

Sample Info: BKL0585-BLK2

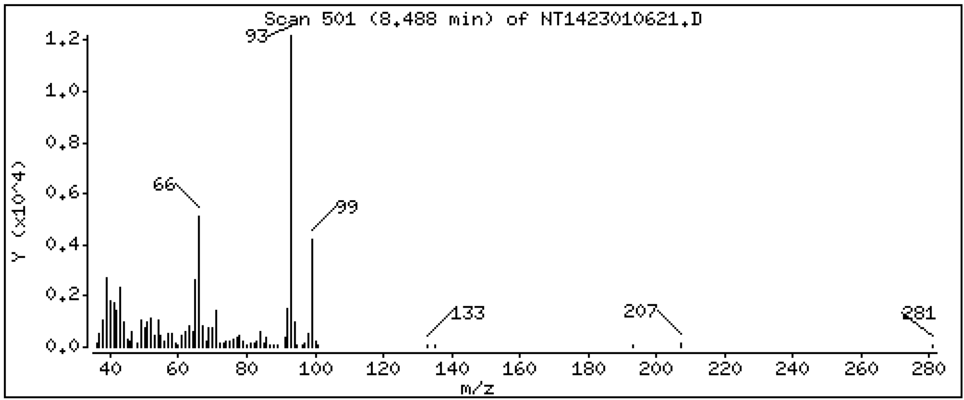
Operator: VTS

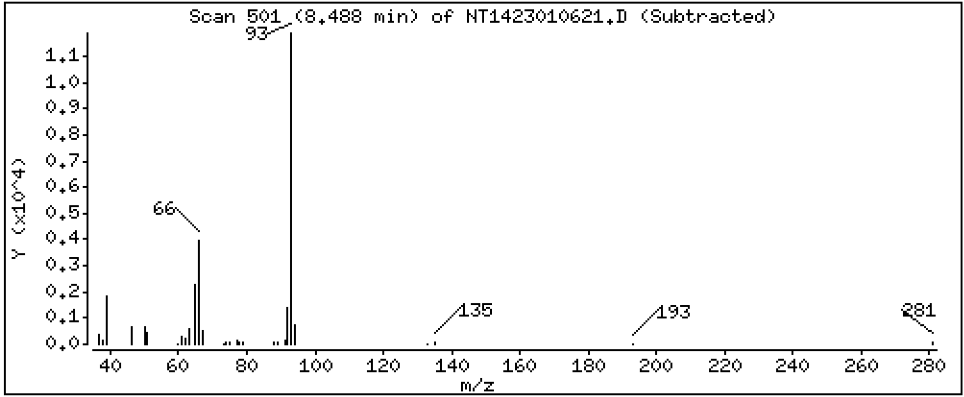
Column phase: ZB-5msi

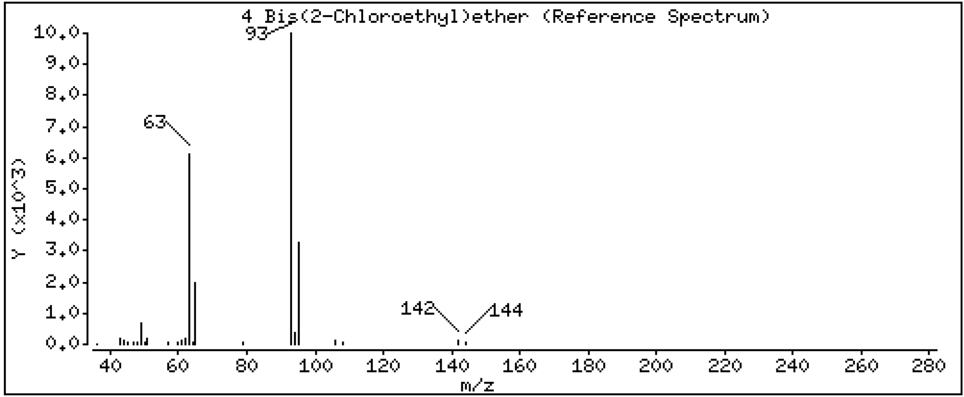
Column diameter: 0.25

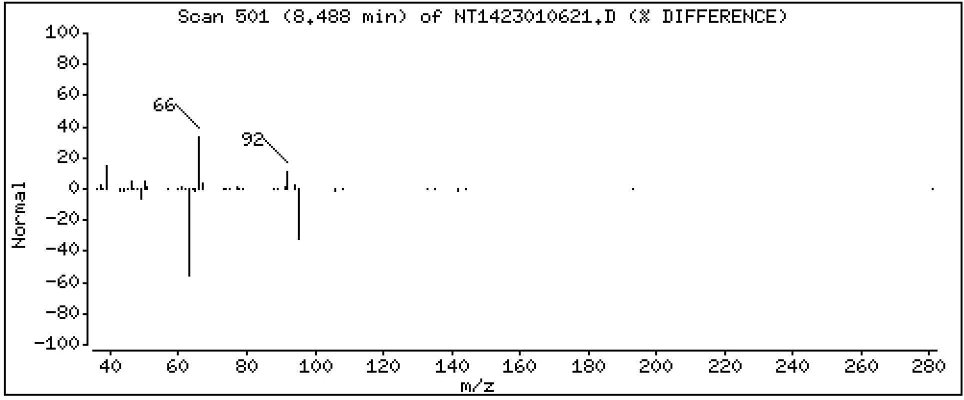
4 Bis(2-Chloroethyl)ether

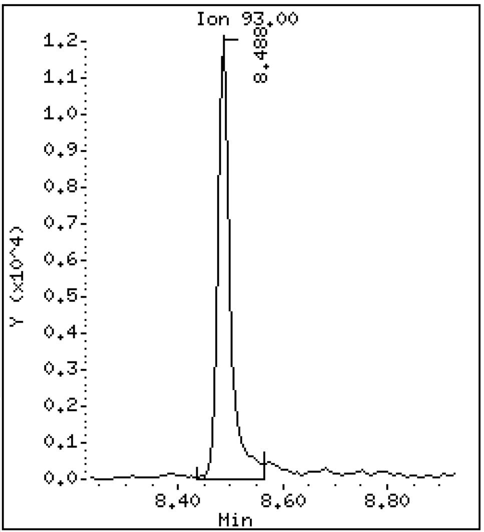
Concentration: 0.5694 ug/mL

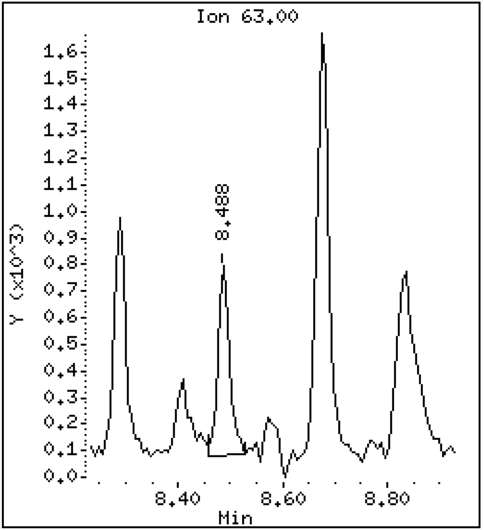

Scan 501 (8.488 min) of NT1423010621.D

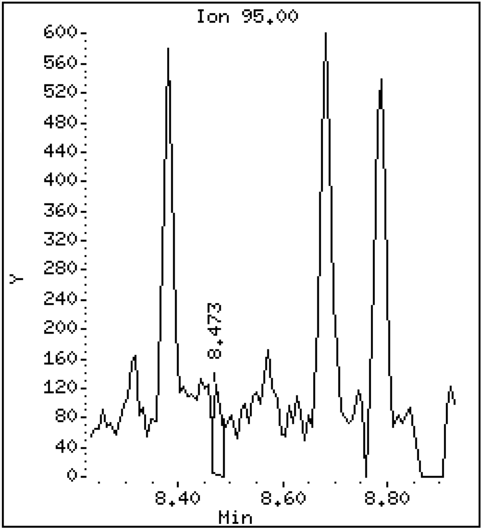

Scan 501 (8.488 min) of NT1423010621.D (Subtracted)


4 Bis(2-Chloroethyl)ether (Reference Spectrum)


Scan 501 (8.488 min) of NT1423010621.D (% DIFFERENCE)


Ion 93.00


Ion 63.00


Ion 95.00

Data File: \\target\share\chem3\nt14.i\20230106.b\NT1423010621.D

Date : 06-JAN-2023 23:39

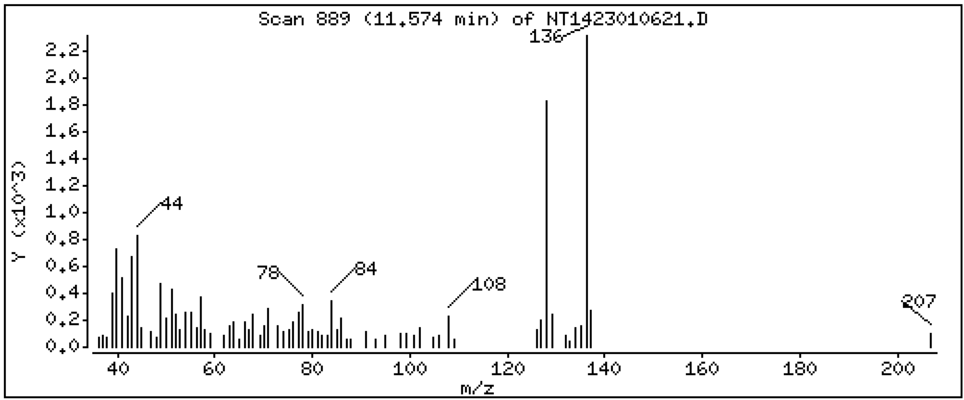
Client ID: Instrument: nt14.i

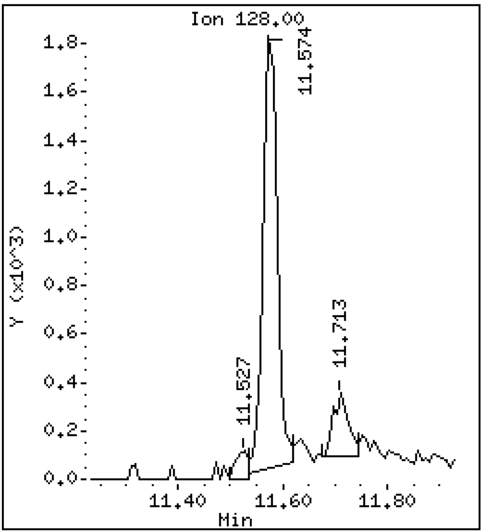
Sample Info: BKL0585-BLK2

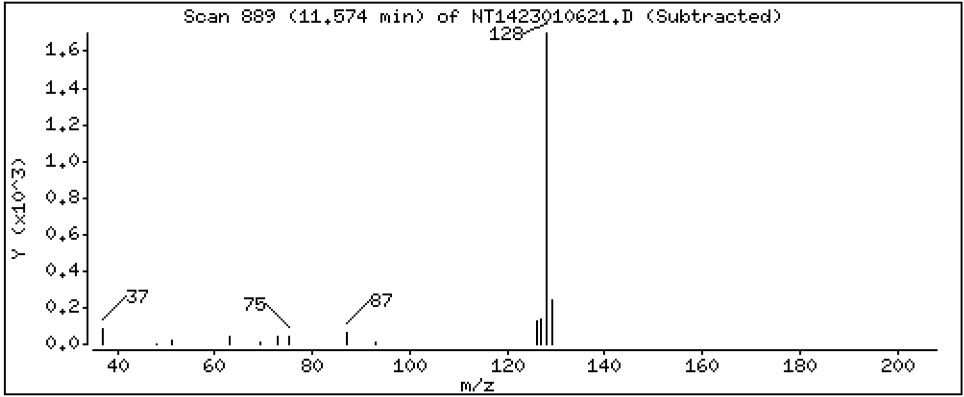
Operator: VTS

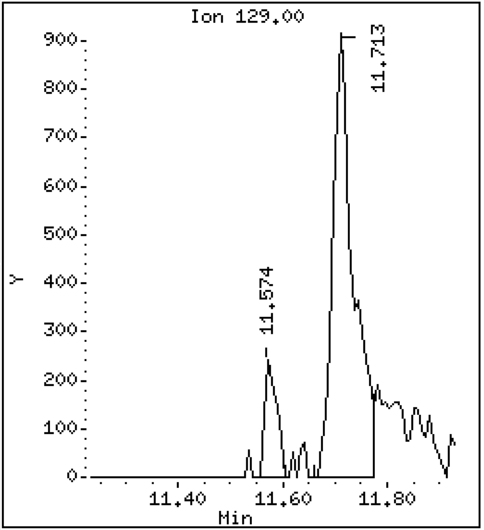
Column phase: ZB-5msi Column diameter: 0.25

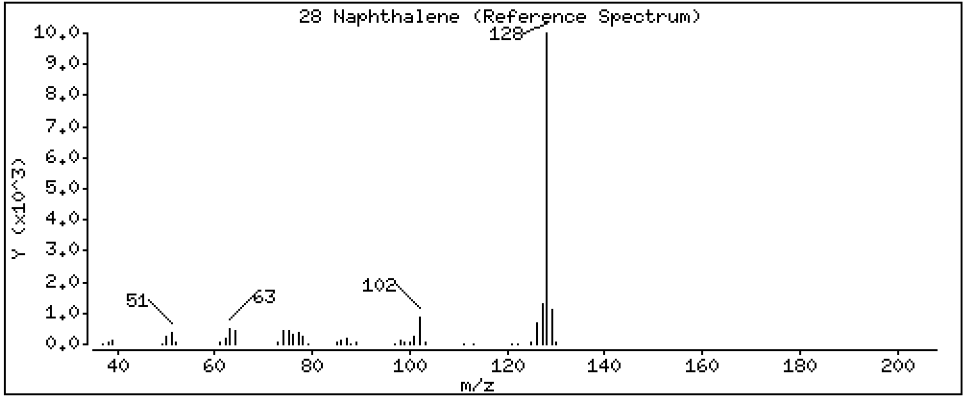
28 Naphthalene Concentration: 0.02966 ug/mL

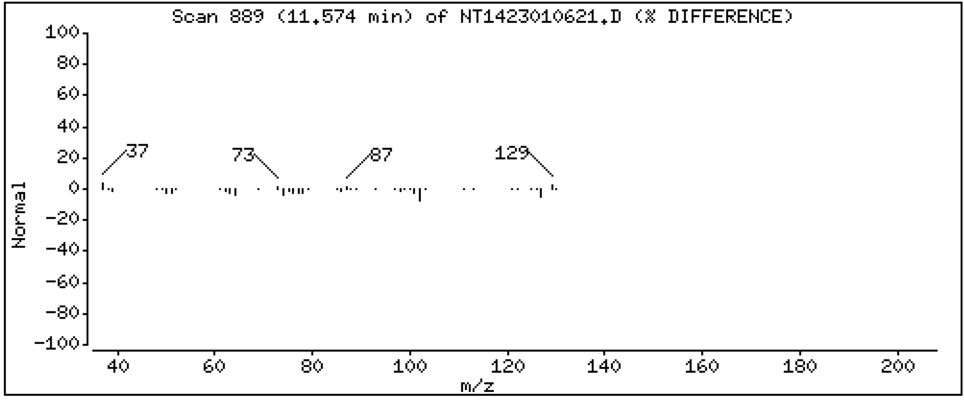


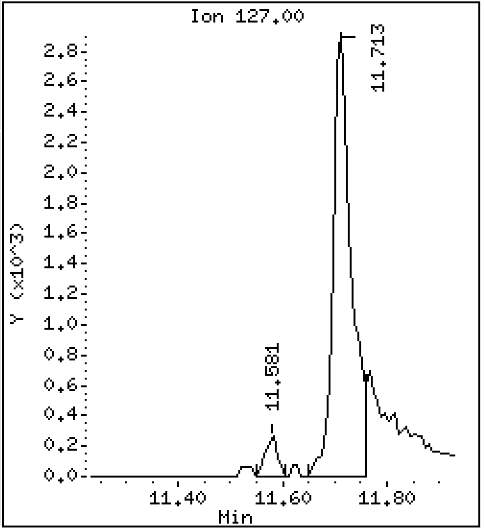












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Date : 06-JAN-2023 23:39

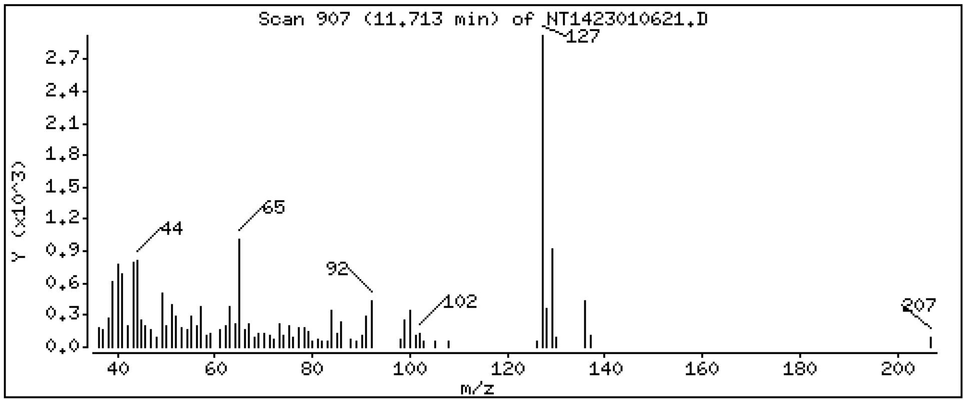
Client ID: Instrument: nt14.i

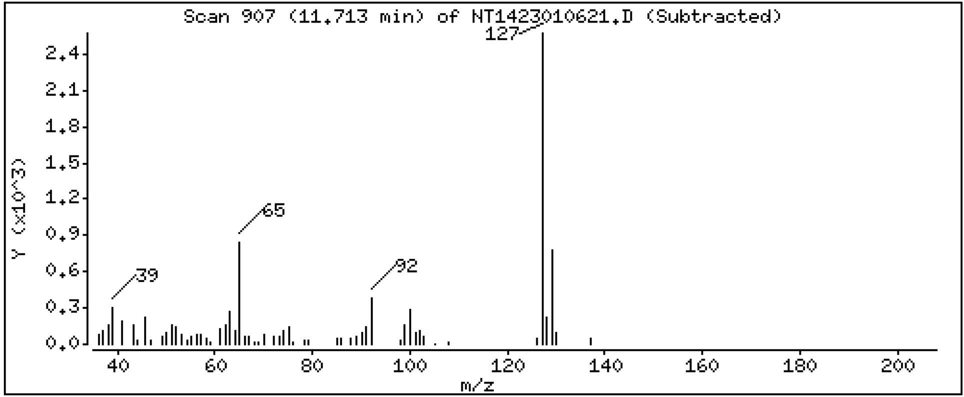
Sample Info: BKL0585-BLK2

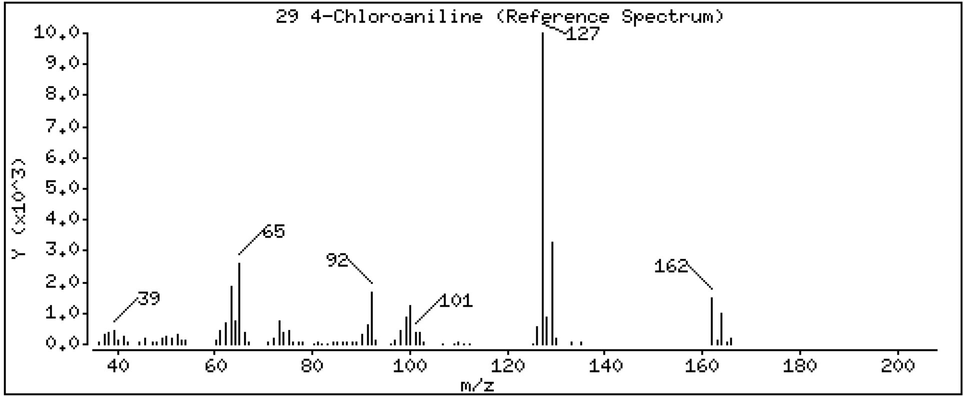
Operator: VTS

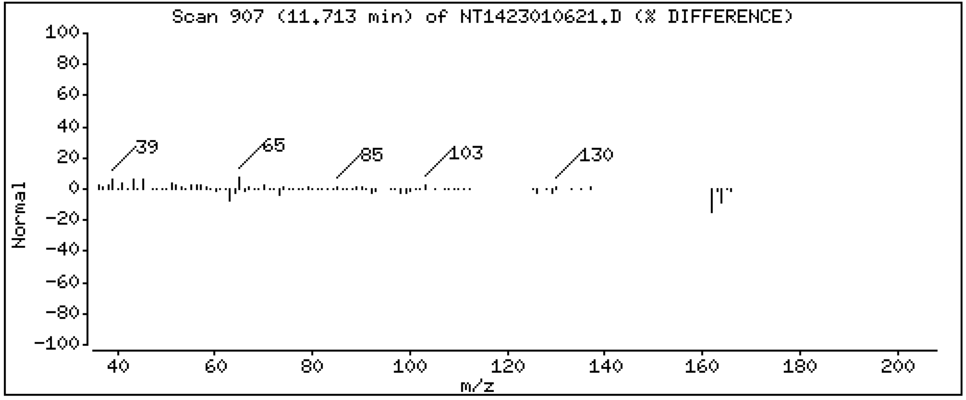
Column phase: ZB-5msi Column diameter: 0.25

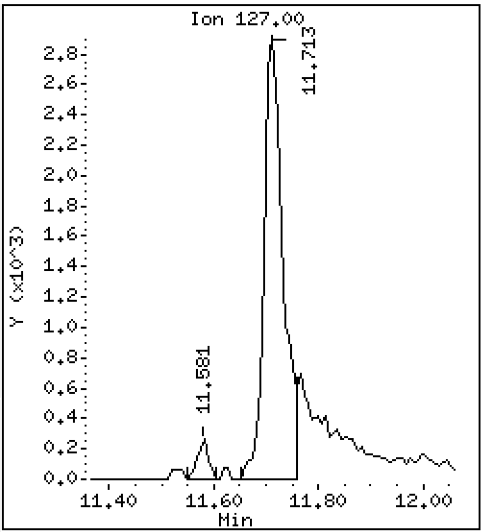
29 4-Chloroaniline Concentration: 0.1597 ug/mL

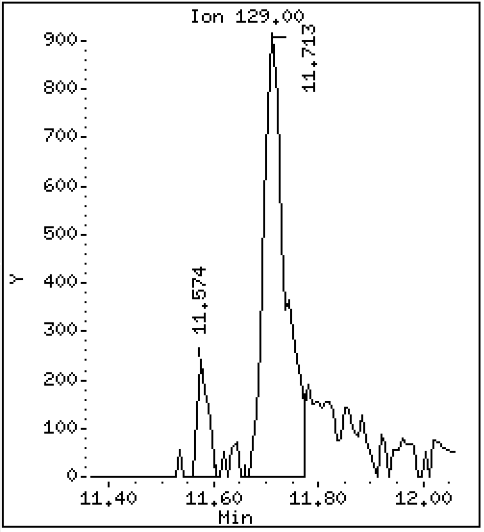












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Date : 06-JAN-2023 23:39

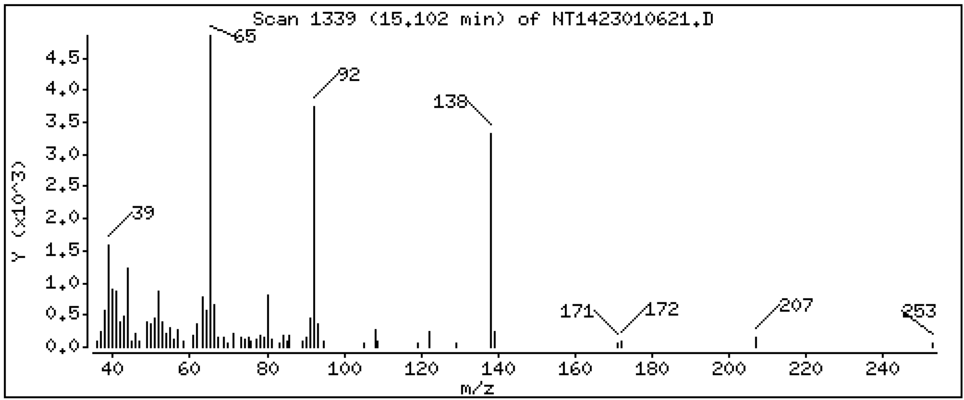
Client ID: Instrument: nt14.i

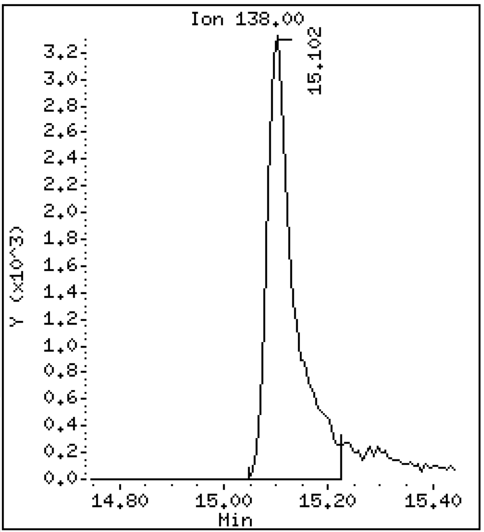
Sample Info: BKL0585-BLK2

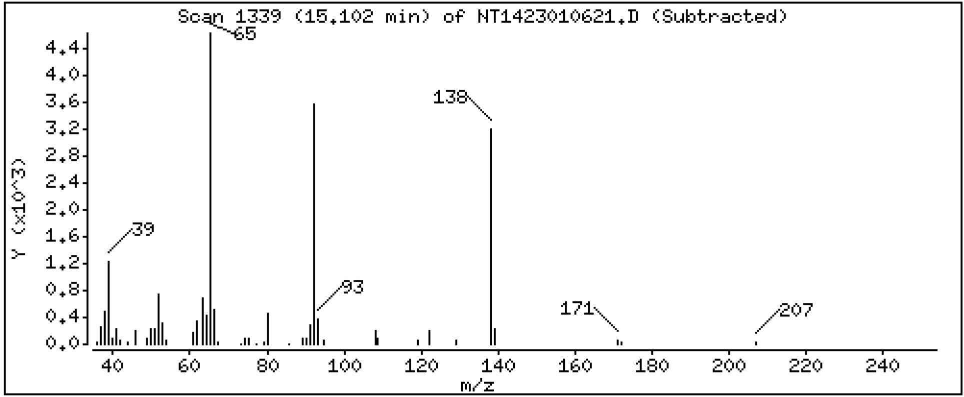
Operator: VTS

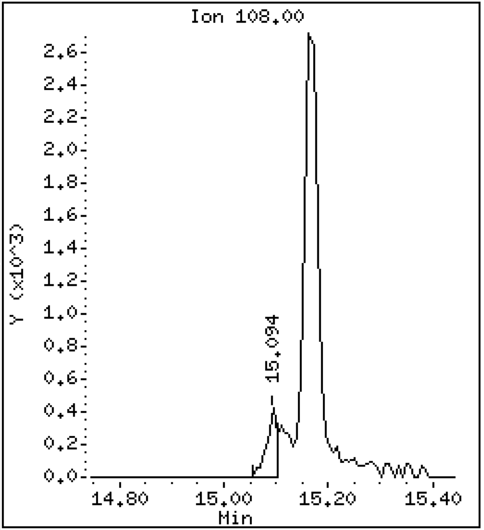
Column phase: ZB-5msi Column diameter: 0.25

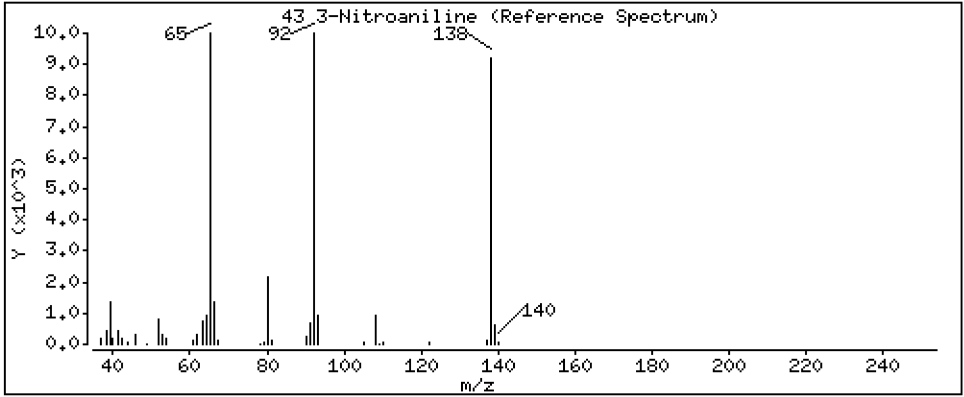
43 3-Nitroaniline Concentration: 0.7847 ug/mL

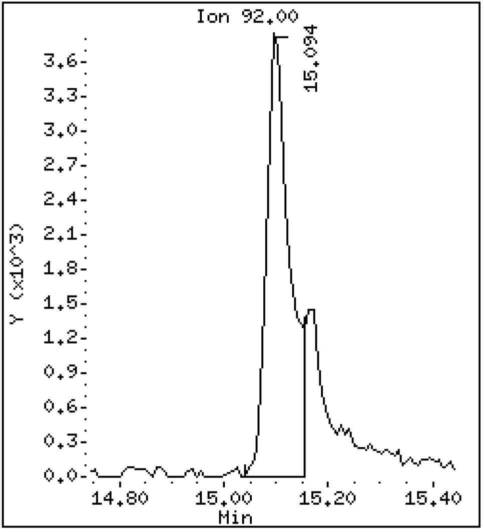


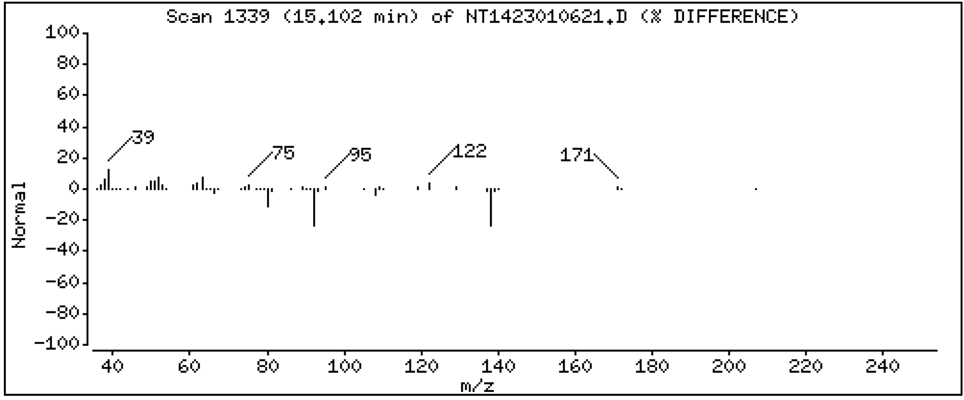












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Date : 06-JAN-2023 23:39

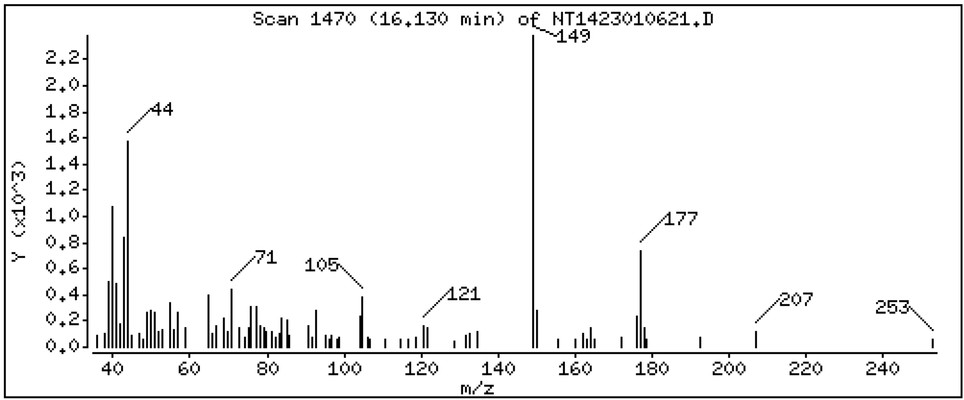
Client ID: Instrument: nt14.i

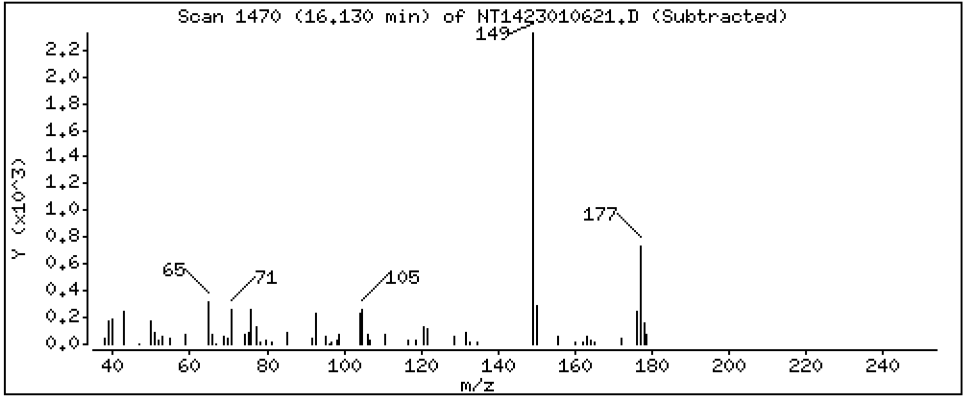
Sample Info: BKL0585-BLK2

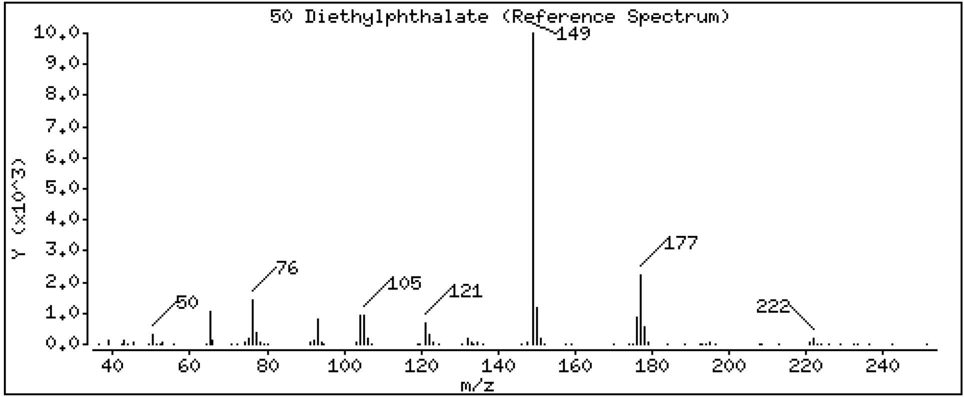
Operator: VTS

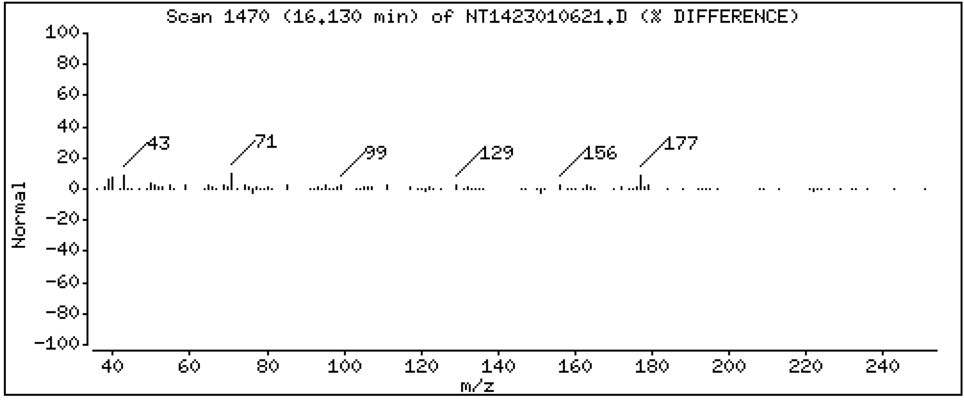
Column phase: ZB-5msi Column diameter: 0.25

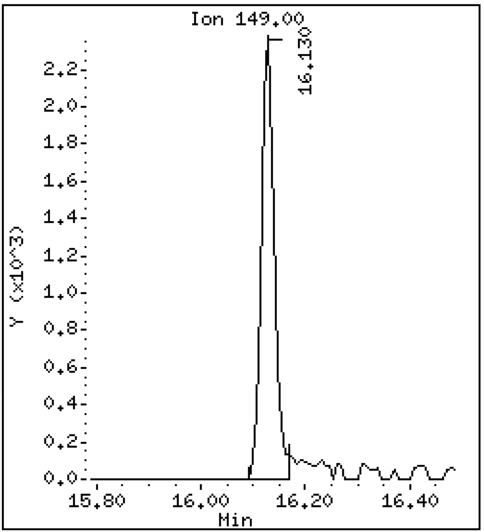
50 Diethylphthalate Concentration: 0.05117 ug/mL

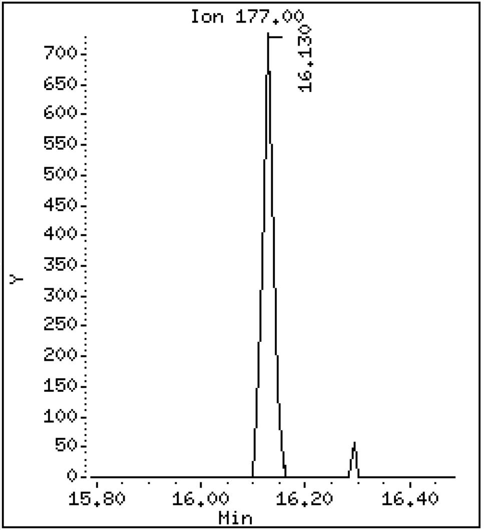

Scan 1470 (16.130 min) of NT1423010621.D

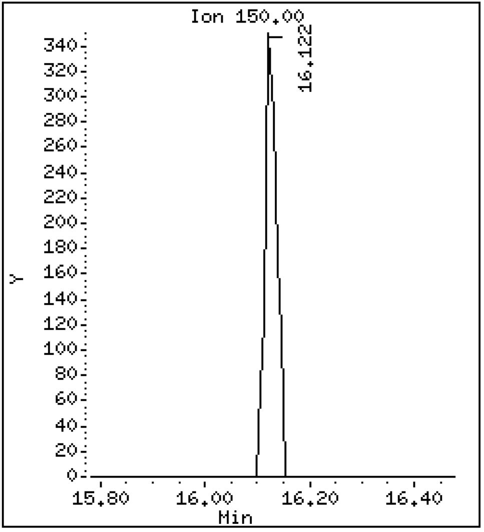

Scan 1470 (16.130 min) of NT1423010621.D (Subtracted)


50 Diethylphthalate (Reference Spectrum)


Scan 1470 (16.130 min) of NT1423010621.D (% DIFFERENCE)


Ion 149.00


Ion 177.00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Data File: \\target\share\chem3\nt14.i\20230106.b\NT1423010621.D

Date : 06-JAN-2023 23:39

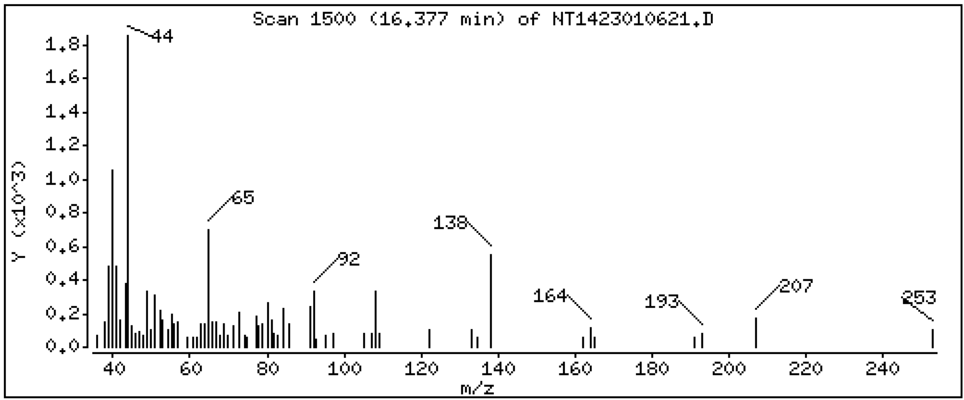
Client ID: Instrument: nt14.i

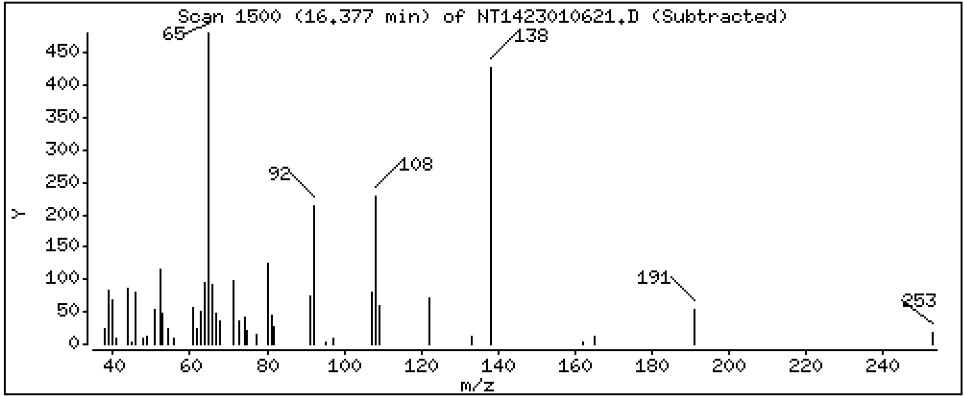
Sample Info: BKL0585-BLK2

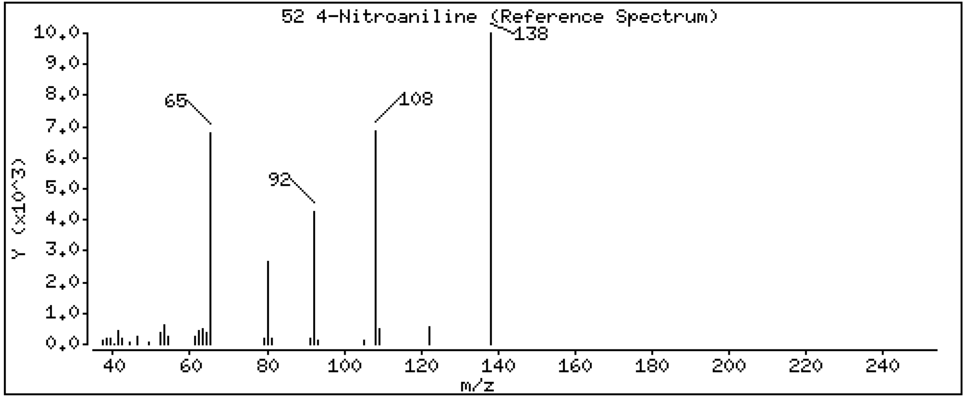
Operator: VTS

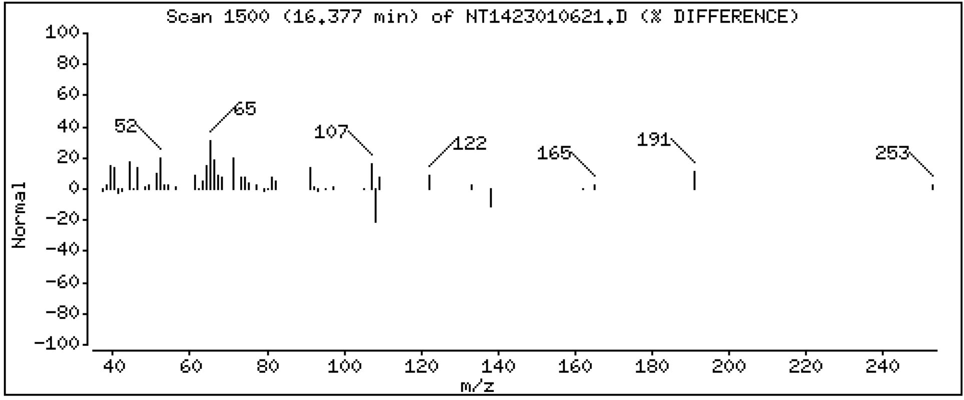
Column phase: ZB-5msi Column diameter: 0.25

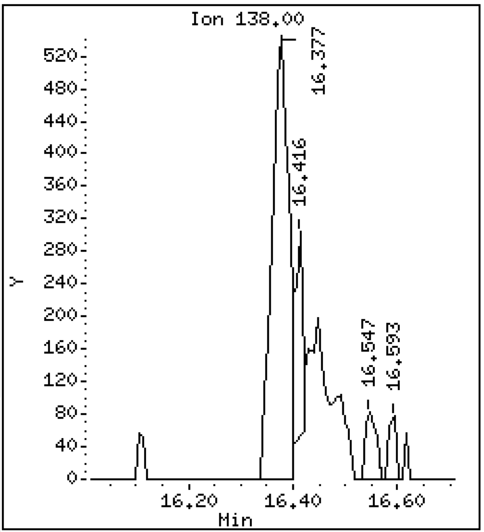
52 4-Nitroaniline Concentration: 0.06685 ug/mL

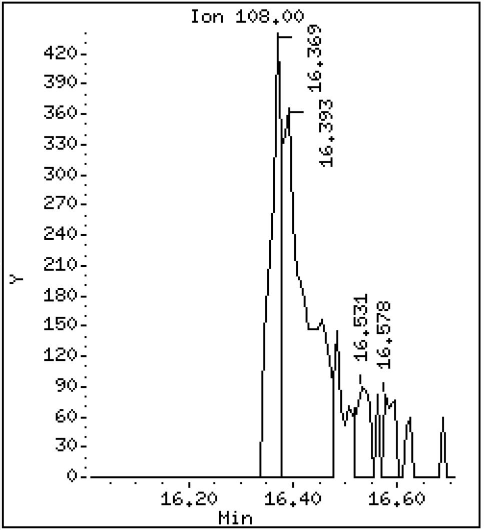


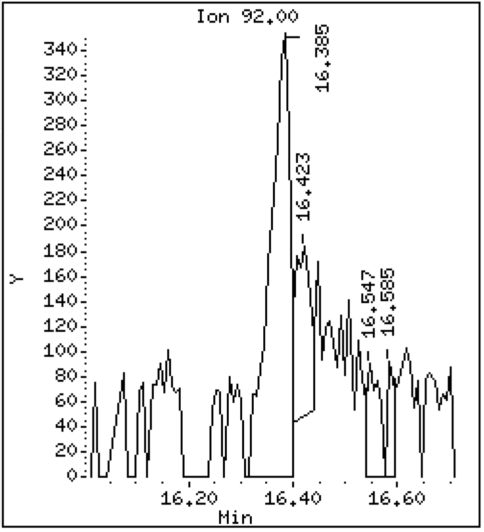












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Date : 06-JAN-2023 23:39

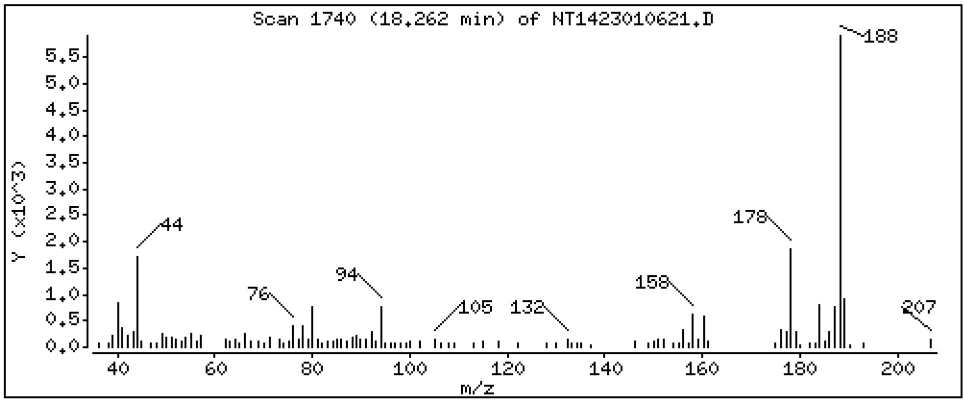
Client ID: Instrument: nt14.i

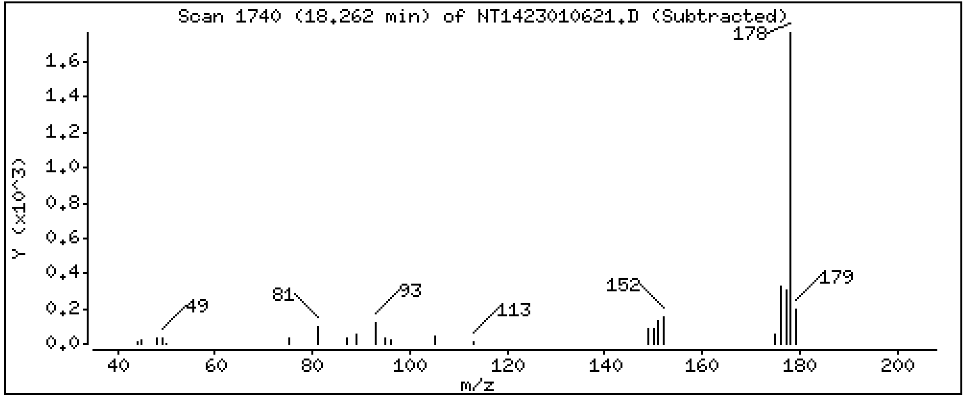
Sample Info: BKL0585-BLK2

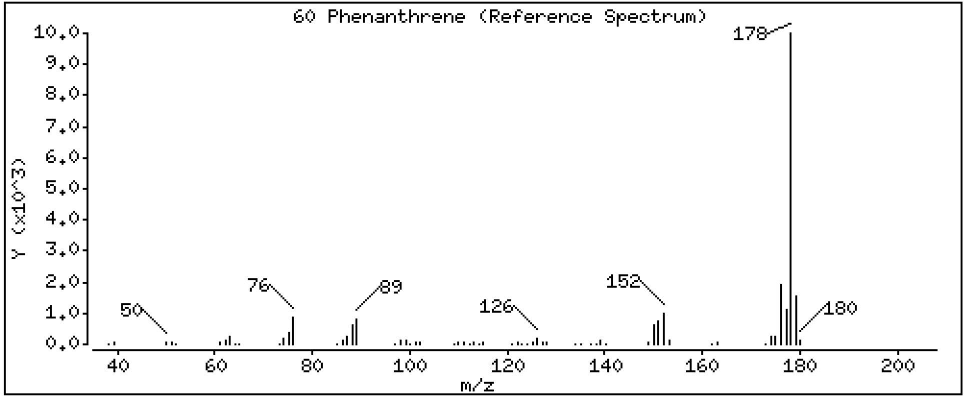
Operator: VTS

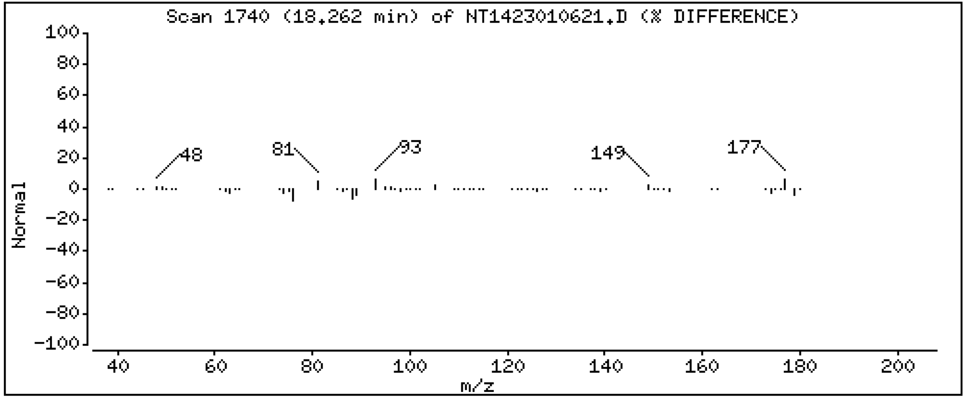
Column phase: ZB-5msi Column diameter: 0.25

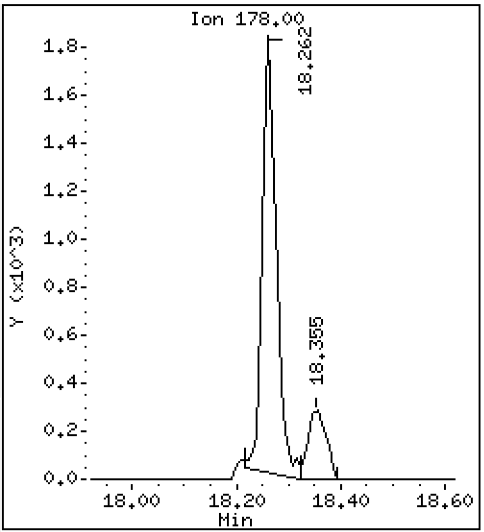
60 Phenanthrene Concentration: 0.03511 ug/mL

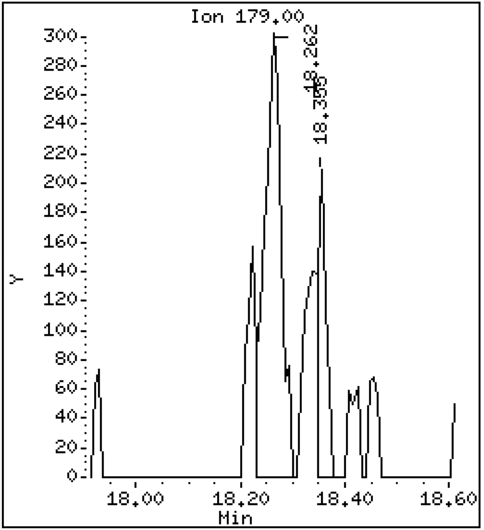


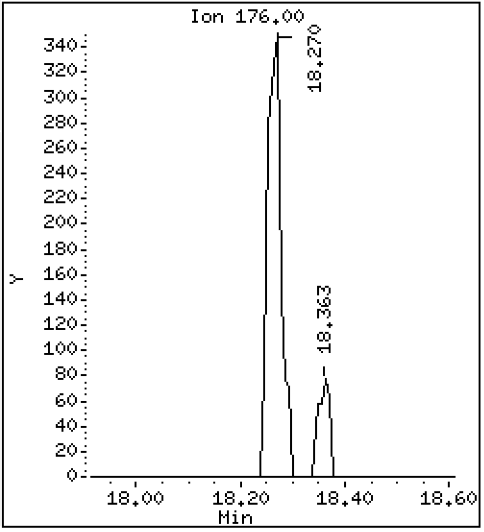












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Date : 06-JAN-2023 23:39

Client ID:

Instrument: nt14.i

Sample Info: BKL0585-BLK2

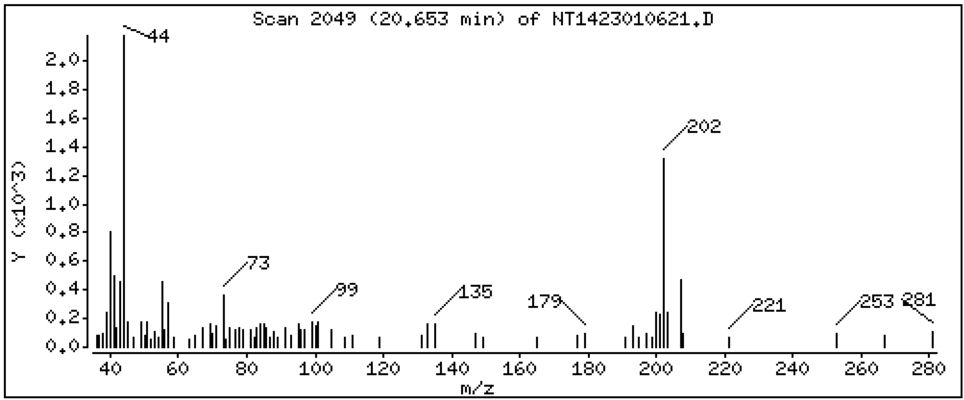
Operator: VTS

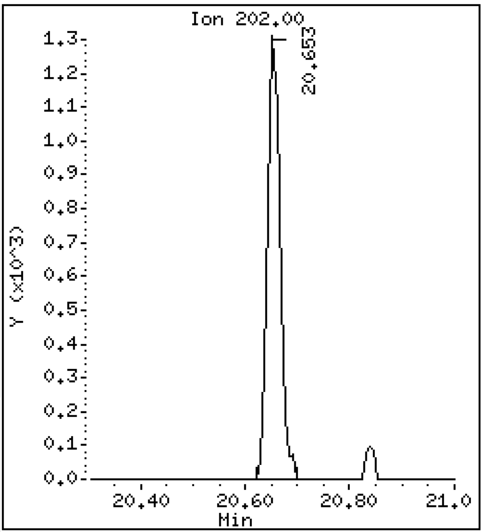
Column phase: ZB-5msi

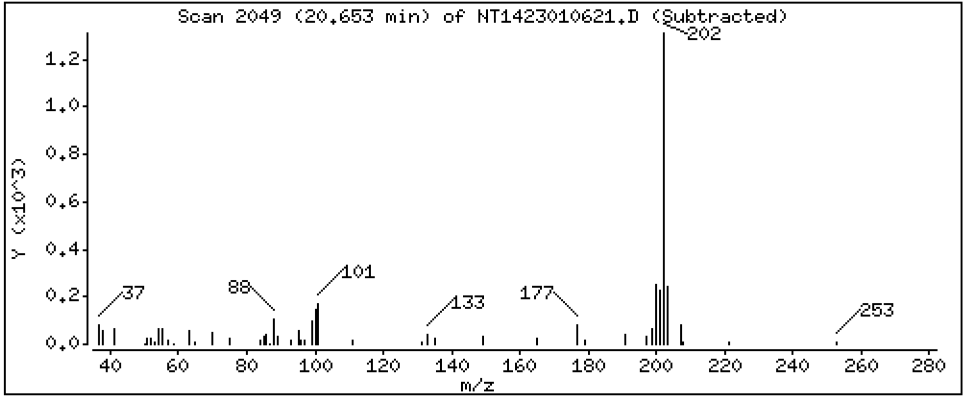
Column diameter: 0.25

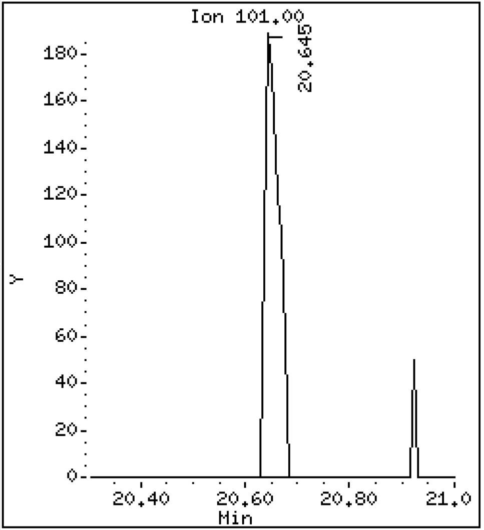
64 Fluoranthene

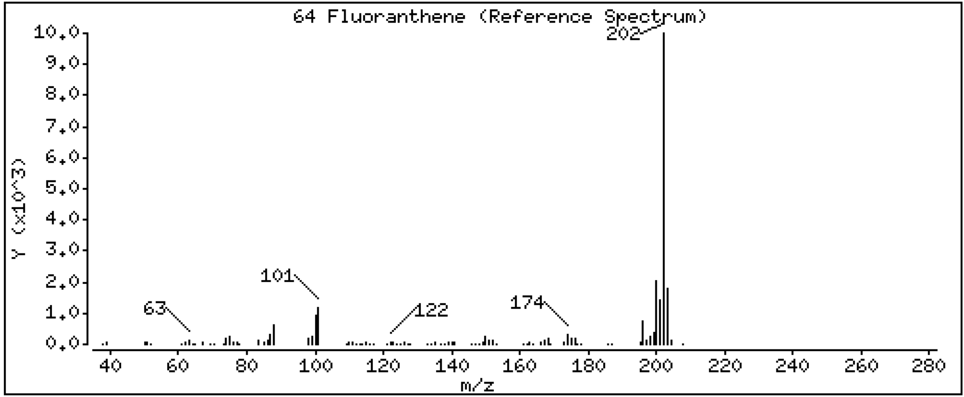
Concentration: 0.02482 ug/mL

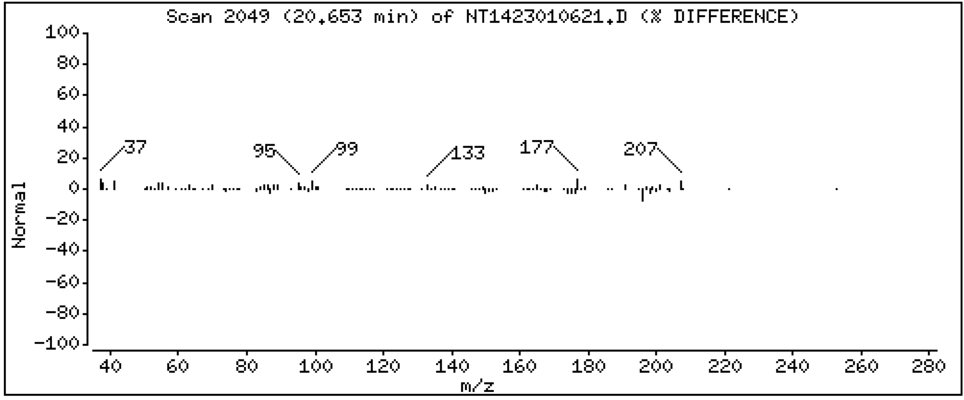


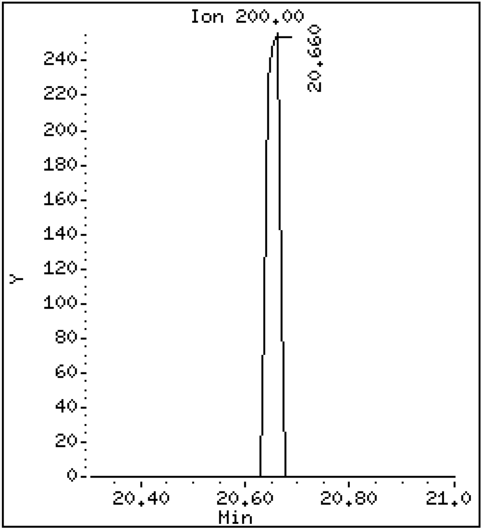












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Date : 06-JAN-2023 23:39

Client ID:

Instrument: nt14.i

Sample Info: BKL0585-BLK2

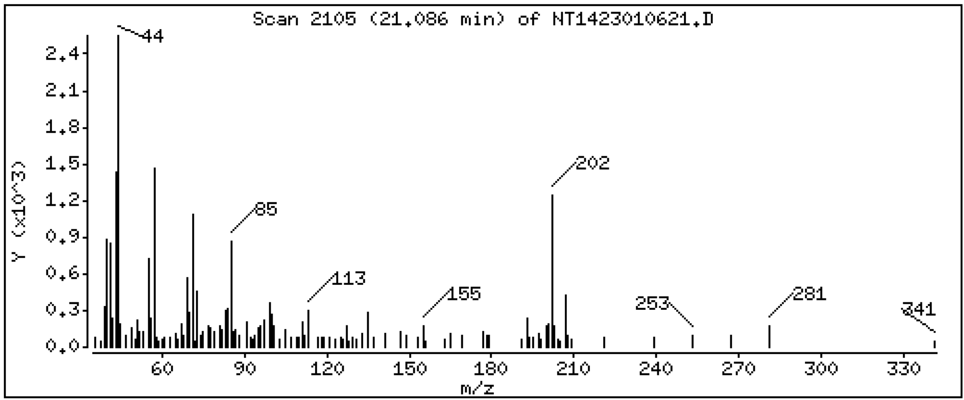
Operator: VTS

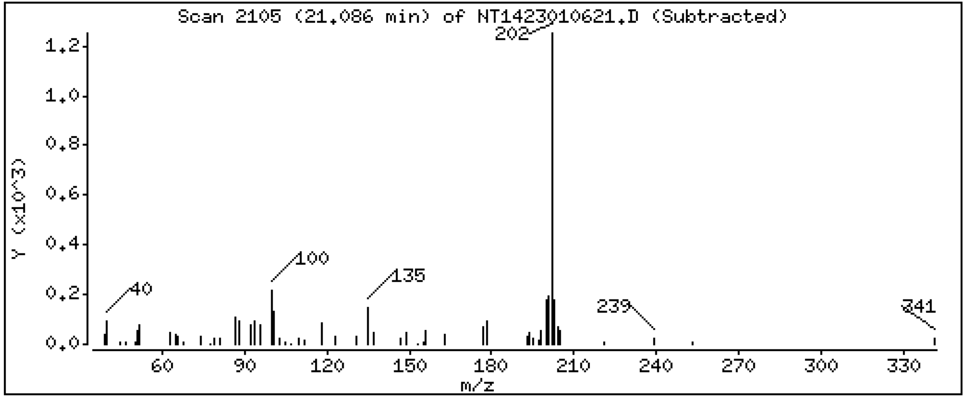
Column phase: ZB-5msi

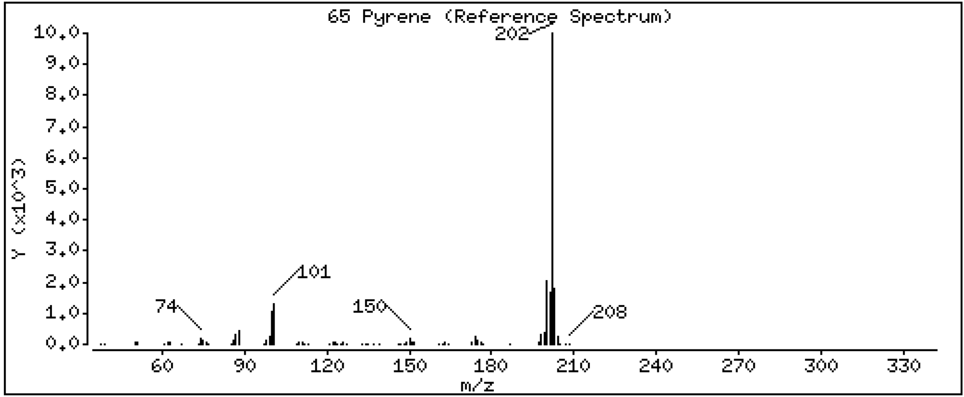
Column diameter: 0.25

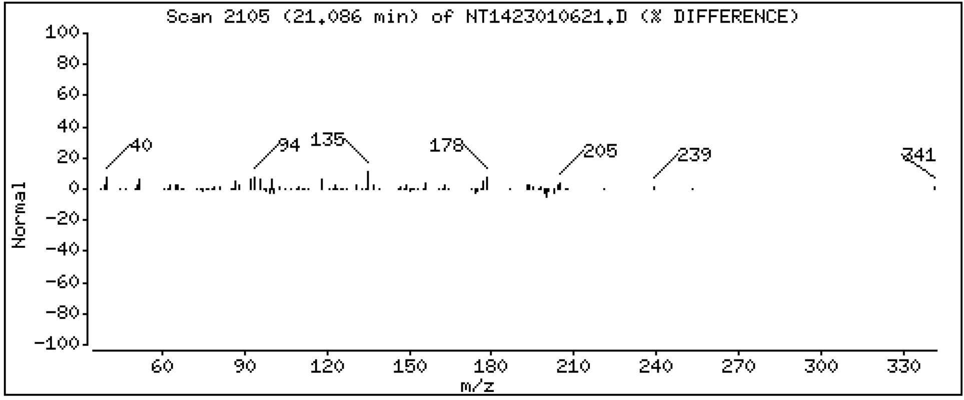
65 Pyrene

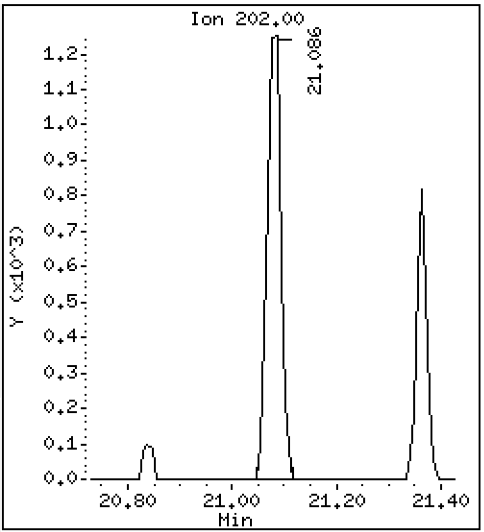
Concentration: 0.02481 ug/mL

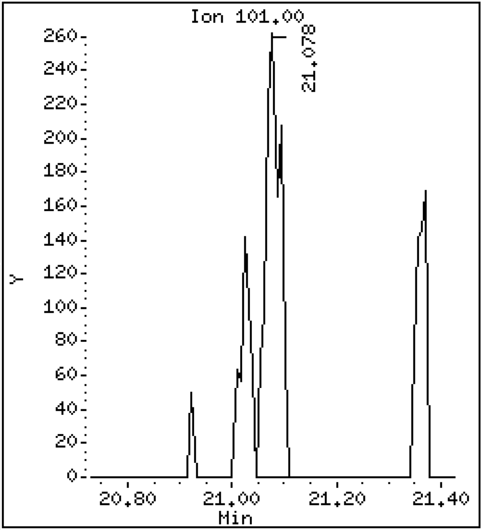


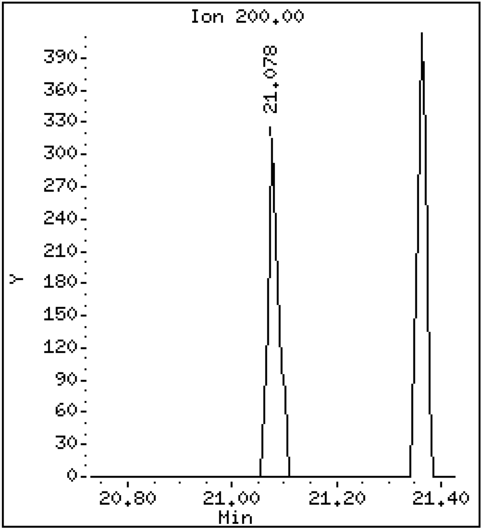












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Date : 06-JAN-2023 23:39

Client ID:

Instrument: nt14.i

Sample Info: BKL0585-BLK2

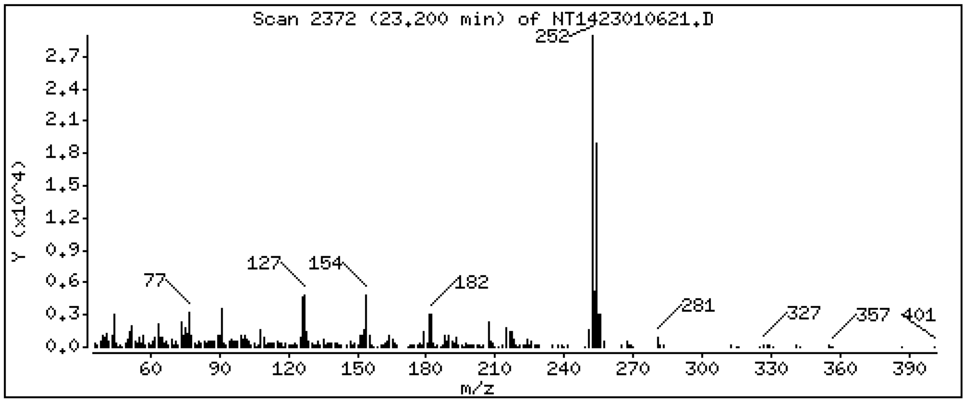
Operator: VTS

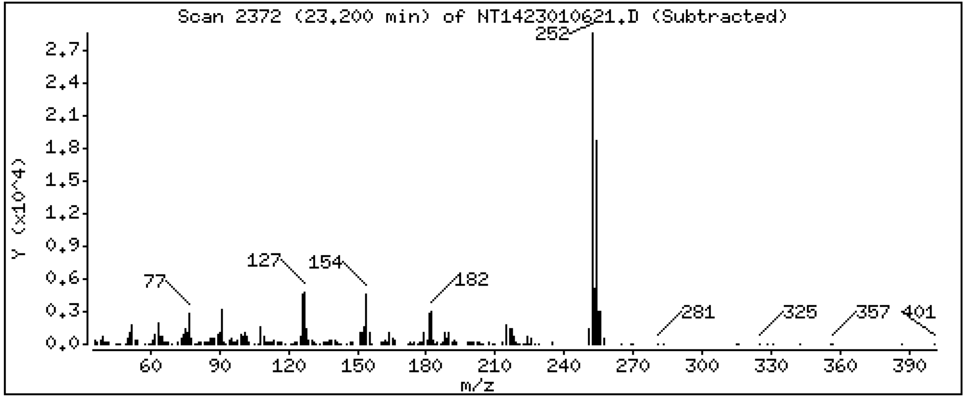
Column phase: ZB-5msi

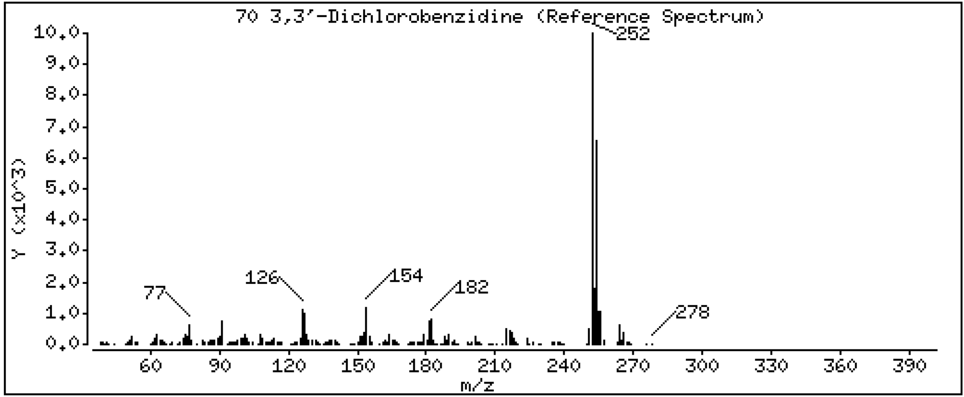
Column diameter: 0.25

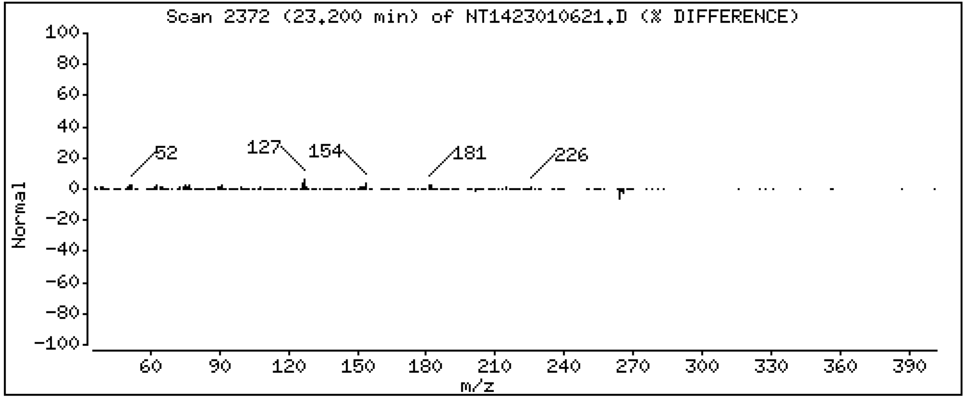
70 3,3'-Dichlorobenzidine

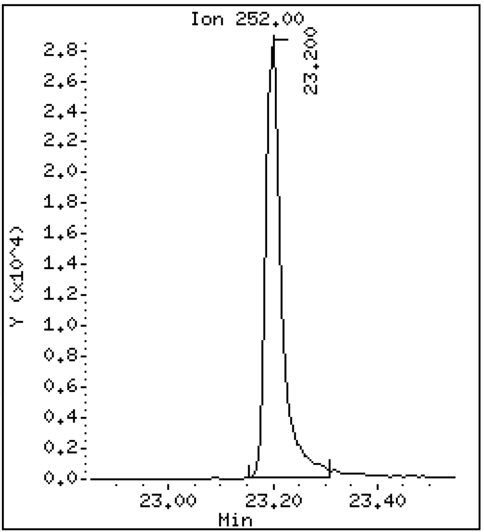
Concentration: 2.405 ug/mL

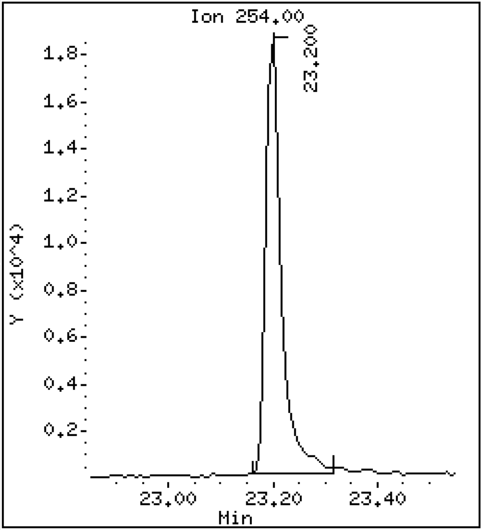


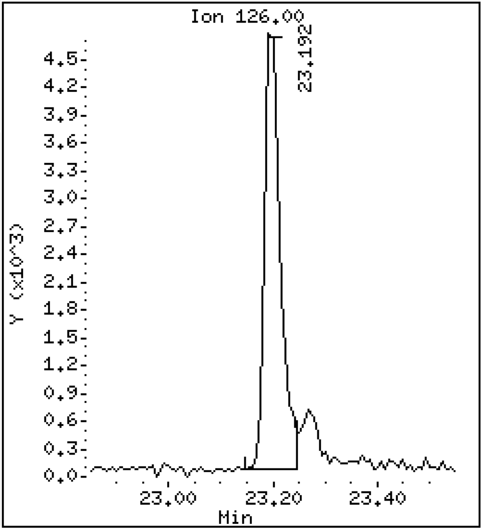












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Date : 06-JAN-2023 23:39

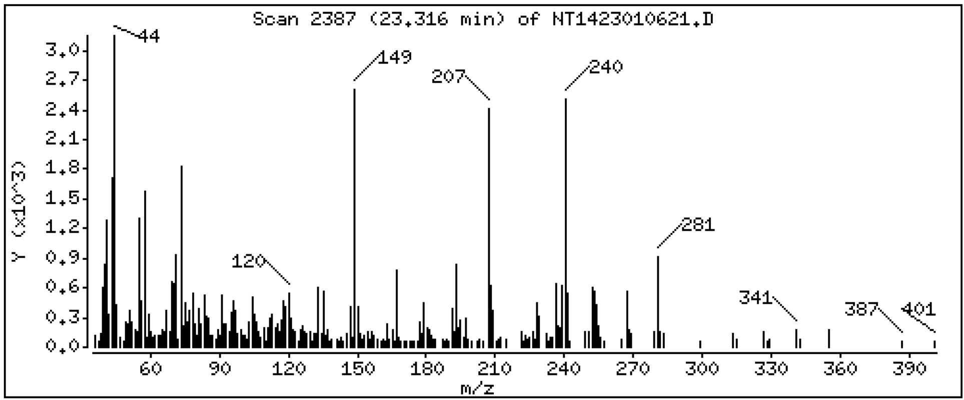
Client ID: Instrument: nt14.i

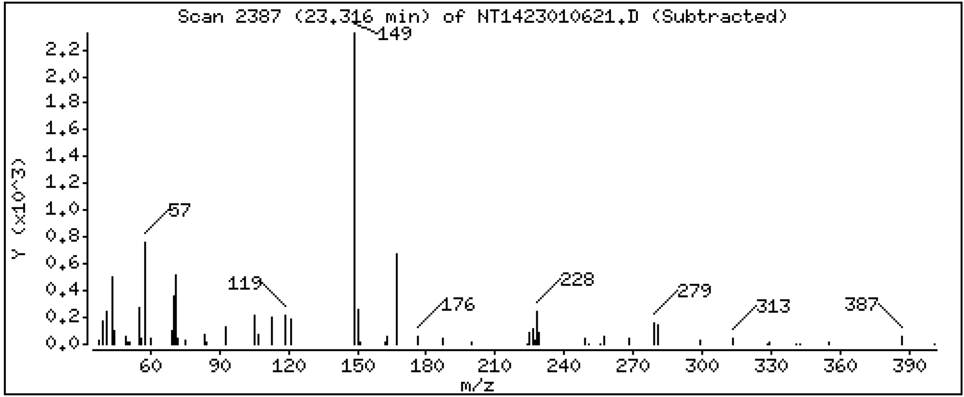
Sample Info: BKL0585-BLK2

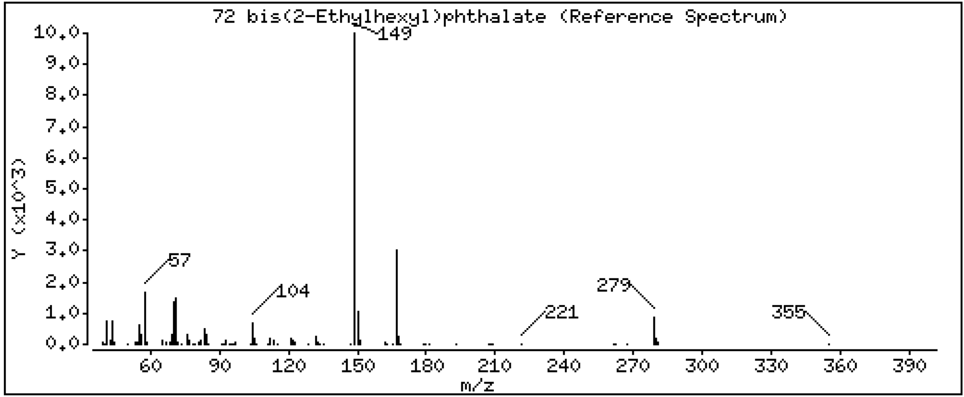
Operator: VTS

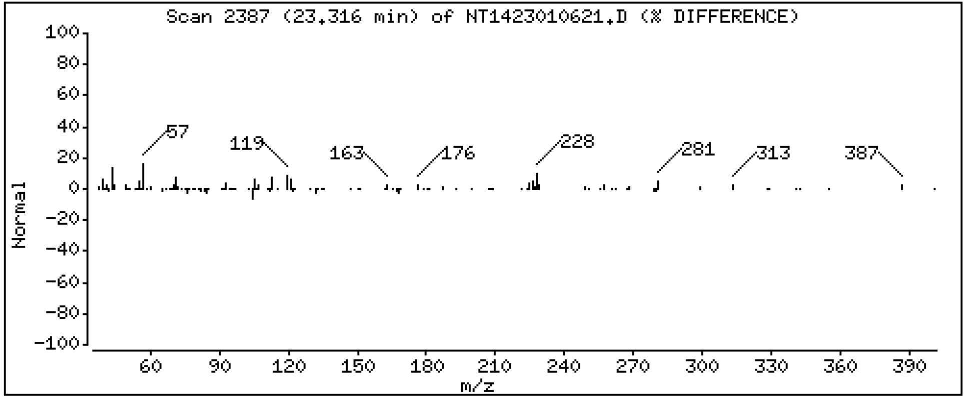
Column phase: ZB-5msi Column diameter: 0.25

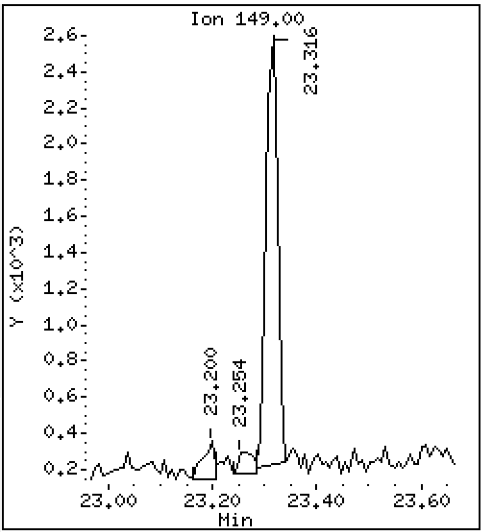
72 bis(2-Ethylhexyl)phthalate Concentration: 0.06518 ug/mL

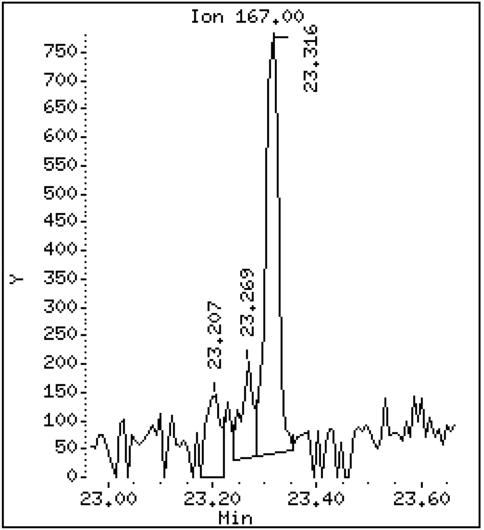

Scan 2387 (23.316 min) of NT1423010621.D

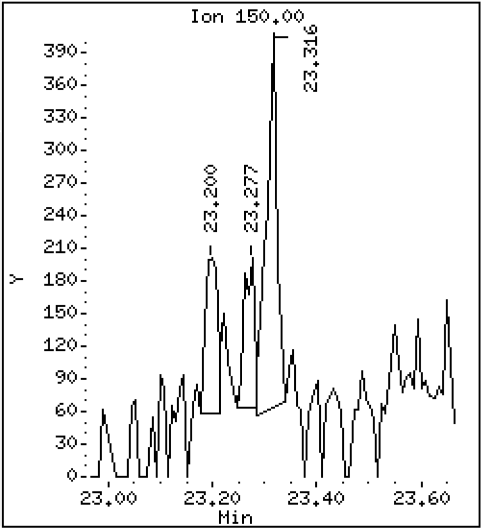

Scan 2387 (23.316 min) of NT1423010621.D (Subtracted)


72 bis(2-Ethylhexyl)phthalate (Reference Spectrum)


Scan 2387 (23.316 min) of NT1423010621.D (% DIFFERENCE)


Ion 149.00


Ion 167.00


Ion 150.00

Data File: \\target\share\chem3\nt14.i\20230106.b\NT1423010621.D

Date : 06-JAN-2023 23:39

Client ID:

Instrument: nt14.i

Sample Info: BKL0585-BLK2

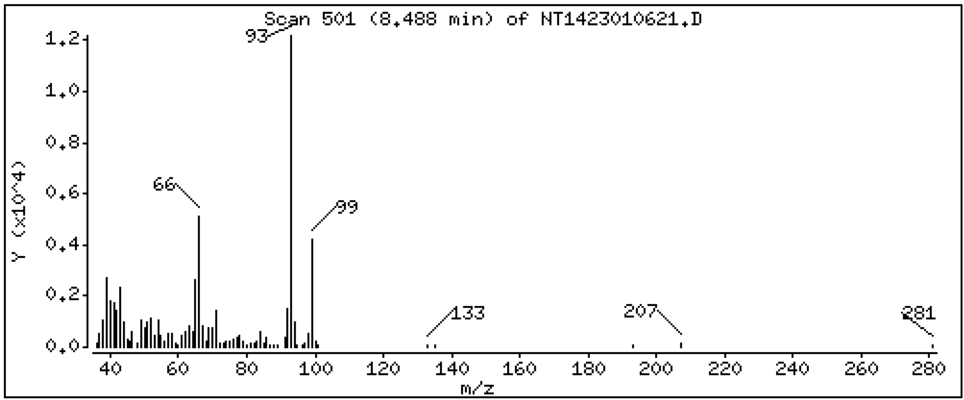
Operator: VTS

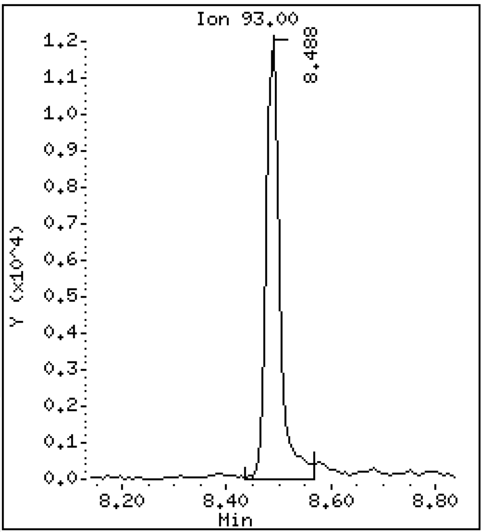
Column phase: ZB-5msi

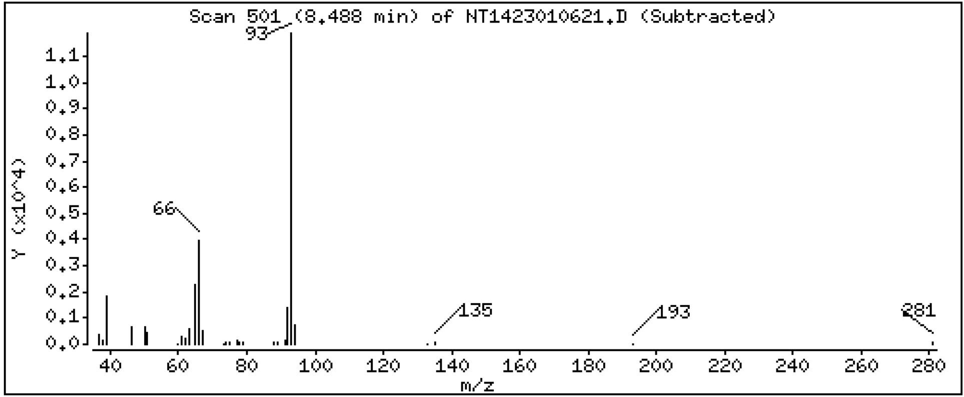
Column diameter: 0.25

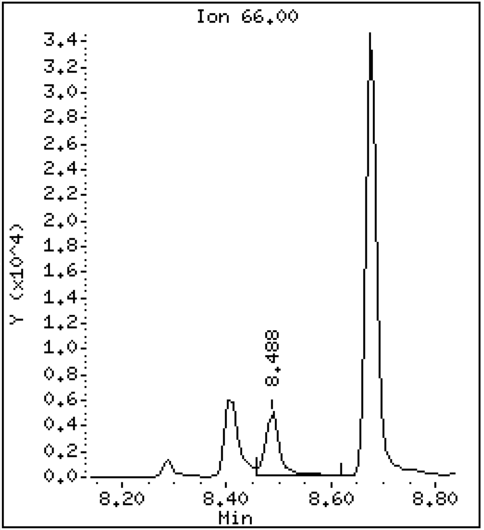
91 Aniline

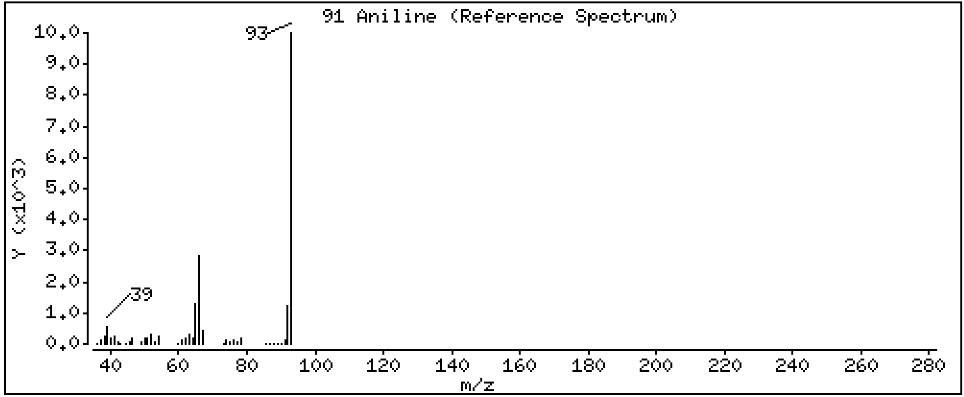
Concentration: 0.4029 ug/mL

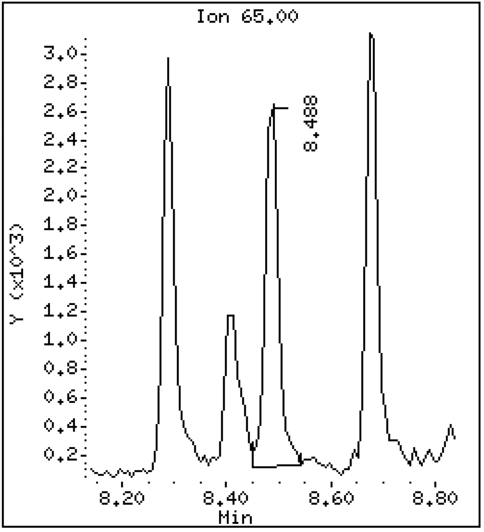


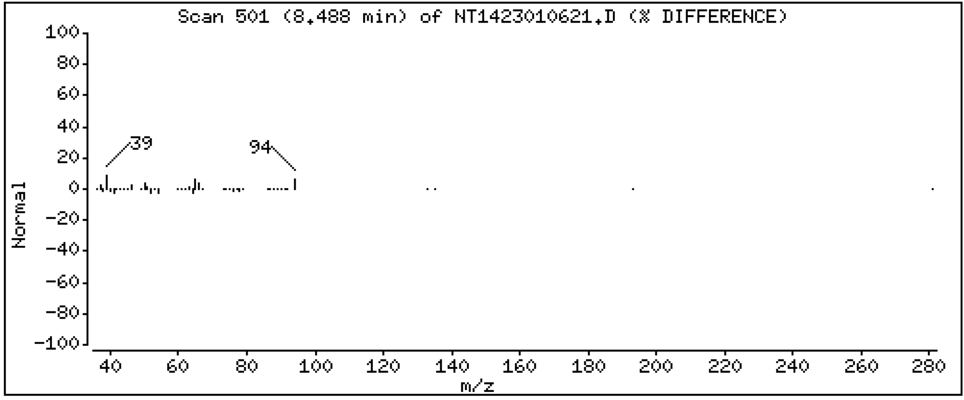












Data File: \\target\share\chem3\nt14.i\20230106.b\NT1423010621.D

Date : 06-JAN-2023 23:39

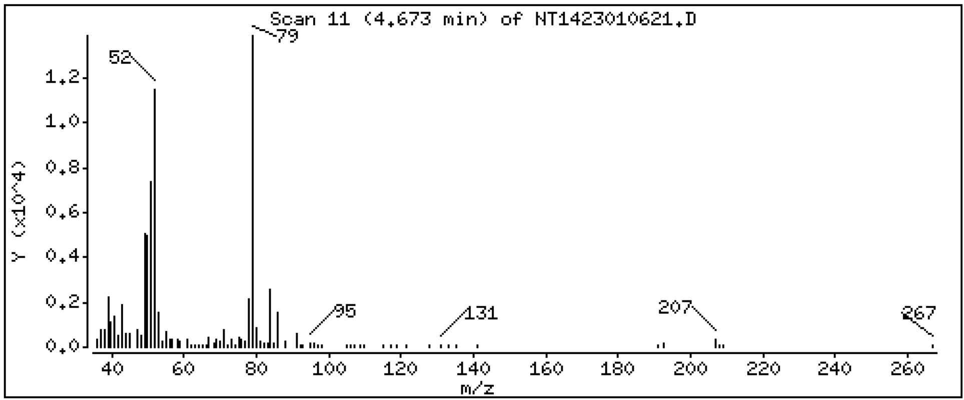
Client ID: Instrument: nt14.i

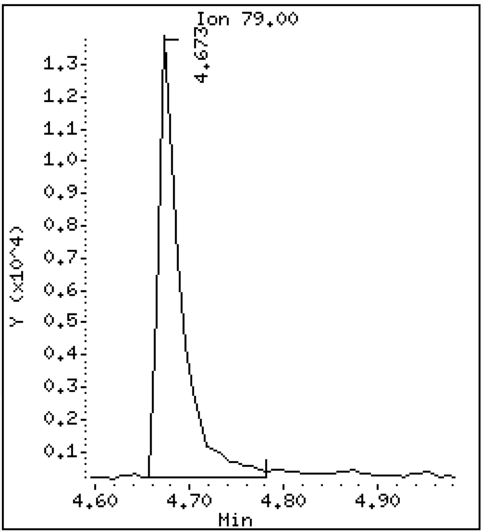
Sample Info: BKL0585-BLK2

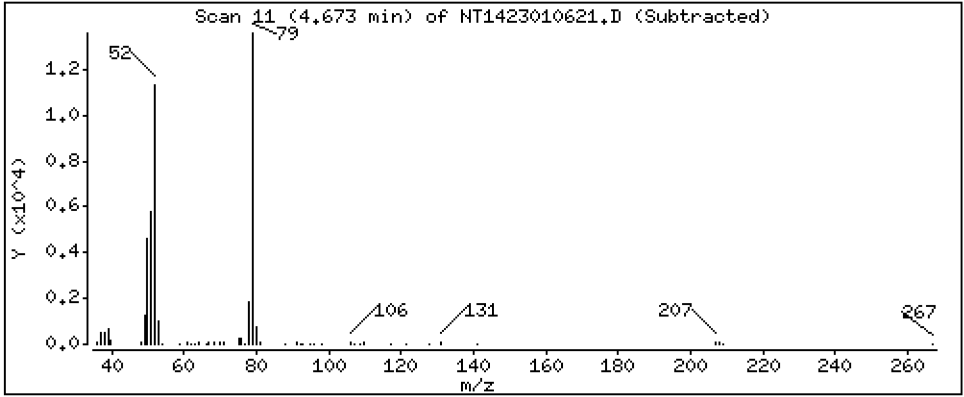
Operator: VTS

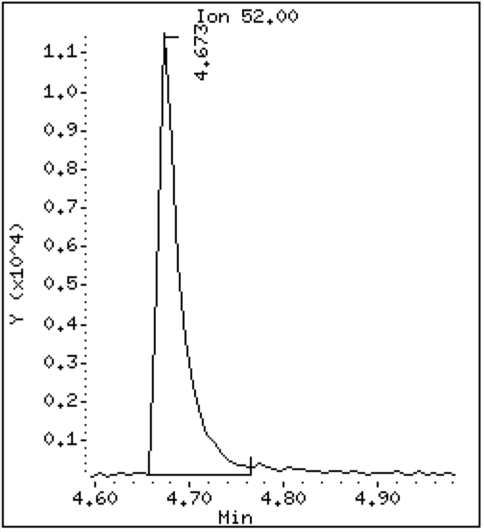
Column phase: ZB-5msi Column diameter: 0.25

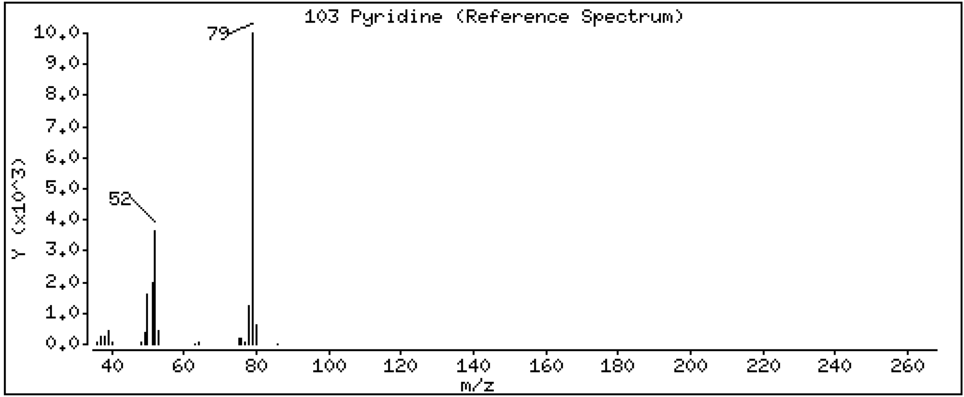
103 Pyridine Concentration: 0.2709 ug/mL

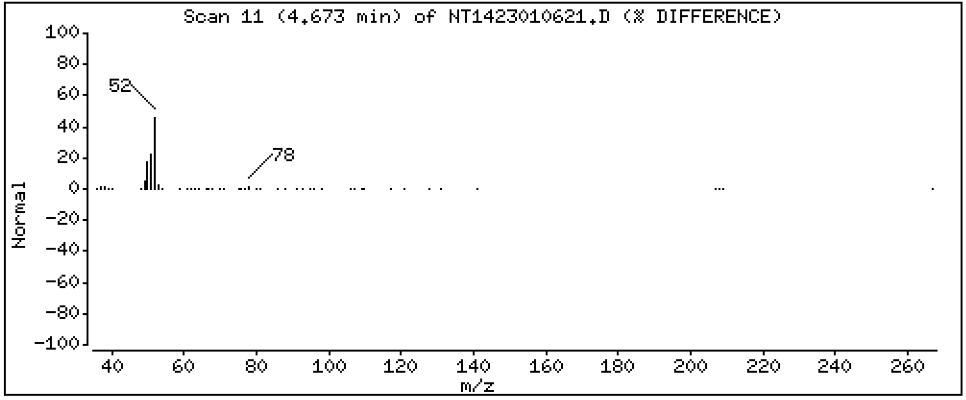

Scan 11 (4.673 min) of NT1423010621.D


Ion 79.00


Scan 11 (4.673 min) of NT1423010621.D (Subtracted)


Ion 52.00


103 Pyridine (Reference Spectrum)


Scan 11 (4.673 min) of NT1423010621.D (% DIFFERENCE)

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Data File: \\target\share\chem3\nt14.i\20230106.b\NT1423010621.D Page 1
Report Date: 12-Jan-2023 08:13


                             ARI Labs, Inc.

                   Semivolatile Report SW846 Method 8270D
Data file : \\target\share\chem3\nt14.i\20230106.b\NT1423010621.D
Lab Smp Id: BKL0585-BLK2
Inj Date  : 06-JAN-2023 23:39            MS Autotune Date: 17-MAY-2011 01:22
Operator  : VTS                          Inst ID: nt14.i
Smp Info  : BKL0585-BLK2
Misc Info :
Comment   : 1ul Injection
Method    : \\target\share\chem3\nt14.i\20230106.b\ABN.m
Meth Date : 12-Jan-2023 08:12 van        Quant Type: ISTD
Cal Date  : 30-DEC-2022 11:07            Cal File: NT1422123007.D
Als bottle: 11
Dil Factor: 1.00000
Integrator: HP RTE                       Compound Sublist: ICAL.sub
Target Version:  4.14
Processing Host: VANS-201906


                                                                                            CONCENTRATIONS
                                       QUANT SIG                                          ON-COLUMN    FINAL
Compounds                                MASS          RT   EXP RT   REL RT  RESPONSE      (ug/mL)     (ug/mL)
==========================               ====         ==== ======== ======== ========     =======     =======
$   1 2-Fluorophenol                      112        6.819   6.811 (0.755)     176840    4.65631      4.656
$   2 Phenol-d5                            99        8.411   8.403 (0.931)     222224    4.73476      4.735
    3 Phenol                               94           Compound Not Detected.
$   5 2-Chlorophenol-d4                   132        8.673   8.673 (0.960)     204082    5.17742      5.177
    4 Bis(2-Chloroethyl)ether              93        8.488   8.580 (0.939)      20920    0.56944     0.5694
    6 2-Chlorophenol                      128           Compound Not Detected.
    7 1,3-Dichlorobenzene                 146           Compound Not Detected.
*   8 1,4-Dichlorobenzene-d4              152        9.037   9.037 (1.000)     118545    4.00000
    9 1,4-Dichlorobenzene                 146           Compound Not Detected.
$  10 1,2-Dichlorobenzene-d4              152        9.394   9.401 (1.040)      94887    3.52202      3.522
   12 1,2-Dichlorobenzene                 146           Compound Not Detected.
   11 Benzyl alcohol                      108           Compound Not Detected.
   14 2,2'-oxybis(1-Chloropropane)        121           Compound Not Detected.
   13 2-Methylphenol                      108           Compound Not Detected.
   17 Hexachloroethane                    117           Compound Not Detected.
   16 N-Nitroso-di-n-propylamine           70           Compound Not Detected.
   15 4-Methylphenol                      108           Compound Not Detected.
$  18 Nitrobenzene-d5                     82        10.131  10.131 (0.878)     155818    4.14663      4.147
   19 Nitrobenzene                         77           Compound Not Detected.
   20 Isophorone                           82           Compound Not Detected.
   21 2-Nitrophenol                       139           Compound Not Detected.
   22 2,4-Dimethylphenol                  107           Compound Not Detected.
   23 Bis(2-Chloroethoxy)methane           93           Compound Not Detected.
   24 Benzoic acid                        105           Compound Not Detected.
   25 2,4-Dichlorophenol                  162           Compound Not Detected.
   26 1,2,4-Trichlorobenzene              180           Compound Not Detected.
*  27 Naphthalene-d8                      136       11.535  11.534 (1.000)     444993    4.00000
   28 Naphthalene                         128       11.573  11.581 (1.003)       3248    0.02966    0.02966
   29 4-Chloroaniline                     127       11.712  11.712 (1.015)       7212    0.15969     0.1597
   30 Hexachlorobutadiene                 225           Compound Not Detected.
   31 4-Chloro-3-methylphenol             107           Compound Not Detected.
   32 2-Methylnaphthalene                 142           Compound Not Detected.
   33 Hexachlorocyclopentadiene           237           Compound Not Detected.
```

```
                                                                                          CONCENTRATIONS
                                      QUANT SIG                                         ON-COLUMN    FINAL
Compounds                               MASS           RT   EXP RT   REL RT  RESPONSE    (ug/mL)    (ug/mL)
==========================              ====          ==== ======== ======== ========    =======    =======
   34 2,4,6-Trichlorophenol               196           Compound Not Detected.
   35 2,4,5-Trichlorophenol               196           Compound Not Detected.
$  36 2-Fluorobiphenyl                   172        13.770  13.770 (0.908)      264852   3.95702       3.957
   37 2-Chloronaphthalene                 162           Compound Not Detected.
   38 2-Nitroaniline                       65           Compound Not Detected.
   39 Dimethylphthalate                   163           Compound Not Detected.
   40 Acenaphthylene                      152           Compound Not Detected.
   41 2,6-Dinitrotoluene                  165           Compound Not Detected.
*  42 Acenaphthene-d10                   164        15.171  15.171 (1.000)      199072   4.00000
   43 3-Nitroaniline                     138        15.101  15.093 (0.995)       12084   0.78472      0.7847
   44 Acenaphthene                        153           Compound Not Detected.
   45 2,4-Dinitrophenol                   184           Compound Not Detected.
   46 Dibenzofuran                        168           Compound Not Detected.
   47 4-Nitrophenol                       109           Compound Not Detected.
   48 2,4-Dinitrotoluene                  165           Compound Not Detected.
   50 Diethylphthalate                   149        16.130  16.137 (1.063)        3905   0.05117     0.05117
   49 Fluorene                            166           Compound Not Detected.
   51 4-Chlorophenyl-phenylether          204           Compound Not Detected.
   52 4-Nitroaniline                     138        16.377  16.361 (1.079)        1238   0.06685     0.06685
   53 4,6-Dinitro-2-methylphenol          198           Compound Not Detected.
   54 N-Nitrosodiphenylamine              169           Compound Not Detected.
$  55 2,4,6-Tribromophenol               330        16.816  16.816 (1.108)       40114   4.20931       4.209
   56 4-Bromophenyl-phenylether           248           Compound Not Detected.
   57 Hexachlorobenzene                   284           Compound Not Detected.
   58 Pentachlorophenol                   266           Compound Not Detected.
*  59 Phenanthrene-d10                   188        18.215  18.215 (1.000)      361541   4.00000
   60 Phenanthrene                       178        18.262  18.269 (1.003)        3310   0.03511     0.03511
   61 Anthracene                          178           Compound Not Detected.
   62 Carbazole                           167           Compound Not Detected.
   63 Di-n-butylphthalate                 149           Compound Not Detected.
   64 Fluoranthene                       202        20.652  20.652 (0.888)        2075   0.02482     0.02482
   65 Pyrene                             202        21.085  21.077 (0.906)        2180   0.02481     0.02481
$  66 Terphenyl-d14                      244        21.364  21.364 (0.918)      310940   4.98973       4.990
   67 Butylbenzylphthalate                149           Compound Not Detected.
   68 Benzo(a)anthracene                  228           Compound Not Detected.
*  69 Chrysene-d12                       240        23.269  23.276 (1.000)      259600   4.00000
   70 3,3'-Dichlorobenzidine             252        23.199  23.199 (0.997)       57895   2.40490       2.405
   71 Chrysene                            228           Compound Not Detected.
   72 bis(2-Ethylhexyl)phthalate         149        23.315  23.315 (0.960)        3412   0.06518     0.06518
* 134 Di-n-octylphthalate-d4             153        24.298  24.298 (1.000)      471355   4.00000
   73 Di-n-octylphthalate                 149           Compound Not Detected.
   74 Benzo(b)fluoranthene                252           Compound Not Detected.
   75 Benzo(k)fluoranthene                252           Compound Not Detected.
   76 Benzo(a)pyrene                      252           Compound Not Detected.
*  77 Perylene-d12                       264        25.901  25.901 (1.000)      279477   4.00000
   78 Indeno(1,2,3-cd)pyrene              276           Compound Not Detected.
   79 Dibenzo(a,h)anthracene              278           Compound Not Detected.
   80 Benzo(g,h,i)perylene                276           Compound Not Detected.
   90 N-Nitrosodimethylamine               74           Compound Not Detected.
   91 Aniline                             93         8.488   8.487 (0.939)       20920   0.40287      0.4029
   93 Benzidine                           184           Compound Not Detected.
  103 Pyridine                           79          4.672   4.633 (0.517)       22518   0.27093      0.2709
  105 1-methylnaphthalene                 142           Compound Not Detected.
  111 Azobenzene (1,2-DP-Hydrazine)        77           Compound Not Detected.
```

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Data File: \\target\share\chem3\nt14.i\20230106.b\NT1423010621.D Page 3
Report Date: 12-Jan-2023 08:13


                                                                                            CONCENTRATIONS
                                      QUANT SIG                                          ON-COLUMN    FINAL
Compounds                              MASS           RT   EXP RT   REL RT  RESPONSE     (ug/mL)     (ug/mL)
==========================             ====          ==== ======== ======== ========     =======     =======
  187 Total Benzofluoranthenes           252           Compound Not Detected.
  120 2,3,4,6-Tetrachlorophenol          232           Compound Not Detected.
```

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Data File: \\target\share\chem3\nt14.i\20230106.b\NT1423010621.D Page 1
Report Date: 12-Jan-2023 08:13

                                  ARI Labs, Inc.

                            INTERNAL STANDARD COMPOUNDS
                                AREA AND RT SUMMARY

Instrument ID: nt14.i                          Calibration Date: 06-JAN-2023
Lab File ID: NT1423010621.D                    Calibration Time: 22:27
Lab Smp Id: BKL0585-BLK2
Analysis Type: SV                                    Level:
Quant Type: ISTD                               Sample Type:
Operator: VTS
Method File: \\target\share\chem3\nt14.i\20230106.b\ABN.m
Misc Info:

Test Mode:
           Use Last Continuing Calibrator.

|______________________|__________|__________AREA LIMIT_______|__________|_______|
  COMPOUND               STANDARD     LOWER       UPPER        SAMPLE    %DIFF
 ===================== ========== ========== ========== ========== =======
   8 1,4-Dichlorobenze     114022      57011     228044     118545    3.97
  27 Naphthalene-d8        420653     210327     841306     444993    5.79
  42 Acenaphthene-d10      216802     108401     433604     199072   -8.18
  59 Phenanthrene-d10      366121     183061     732242     361541   -1.25
  69 Chrysene-d12          276883     138442     553766     259600   -6.24
 134 Di-n-octylphthala     540641     270321    1081282     471355  -12.82
  77 Perylene-d12          308305     154153     616610     279477   -9.35
|______________________|__________|__________|__________|__________|_______|


|______________________|__________|___________RT LIMIT________|__________|_______|
  COMPOUND               STANDARD     LOWER       UPPER        SAMPLE    %DIFF
 ===================== ========== ========== ========== ========== =======
   8 1,4-Dichlorobenze       9.04       8.54       9.54       9.04    0.00
  27 Naphthalene-d8         11.53      11.03      12.03      11.54    0.00
  42 Acenaphthene-d10       15.17      14.67      15.67      15.17    0.00
  59 Phenanthrene-d10       18.22      17.72      18.72      18.22    0.00
  69 Chrysene-d12           23.28      22.78      23.78      23.27   -0.03
 134 Di-n-octylphthala      24.30      23.80      24.80      24.30    0.00
  77 Perylene-d12           25.90      25.40      26.40      25.90    0.00
|______________________|__________|__________|__________|__________|_______|

AREA UPPER LIMIT = +100% of internal standard area.
AREA LOWER LIMIT = - 50% of internal standard area.
RT UPPER LIMIT = + 0.50 minutes of internal standard RT.
RT LOWER LIMIT = - 0.50 minutes of internal standard RT.
```

```
REVIEW SUMMARY FOR FILE - NT1423010621.D

Lab ID: BKL0585-BLK2
nt14.i,  20230106.b\ABN.m,    06-JAN-2023 23:39


     RT      CO-ELUTION COMPOUNDS
---------------------------------------------------------------------------

            NO CO-ELUTIONS


Quant Method: ICAL



        RRT CHECK

   RRT    CCV RRT   DELTA    COMPOUND
 -------------------------------------

  0.939    0.949   -0.0102   Bis(2-Chloroethyl)ether

  RRT check based on Ccal File: NT1423010619.D


 On Column LOD for nt14.i, 20230106.b\ABN.m, ICAL.sub = 0.0000



 * Only compounds listed in the work order have been verified by the analyst *
```

LCS / LCS DUPLICATE RECOVERY
EPA 8270E

Laboratory:	Analytical Resources, LLC	SDG:	22L0307
Client:	Anchor QEA, LLC	Project:	AOC4 UR Phase 3
Matrix:	Solid	Analyzed:	01/06/23 18:14
Batch:	BKL0585	Laboratory ID:	BKL0585-BS1
Preparation:	EPA 3546 (Microwave)	Sequence Name:	LCS
Initial/Final:	10 g / 1 mL		

COMPOUND	SPIKE ADDED (ug/kg wet)	LCS CONCENTRATION (ug/kg wet)	Q	LCS % REC. #	QC LIMITS REC.
Butylbenzylphthalate	500	563	Q	113	45 - 132

* Indicates values outside of QC limits

COMPOUND	SPIKE ADDED (ug/kg wet)	LCSD CONCENTRATION (ug/kg wet)	Q	LCSD % REC. #	% RPD #	QC LIMITS	
						RPD	REC.
Butylbenzylphthalate	500	677	Q, *	135 *	18.4	30	45 - 132

* Indicates values outside of QC limits

Data File: \\target\share\chem3\nt14.i\20230106.b\NT1423010612.D

Date : 06-JAN-2023 18:14

Client ID:

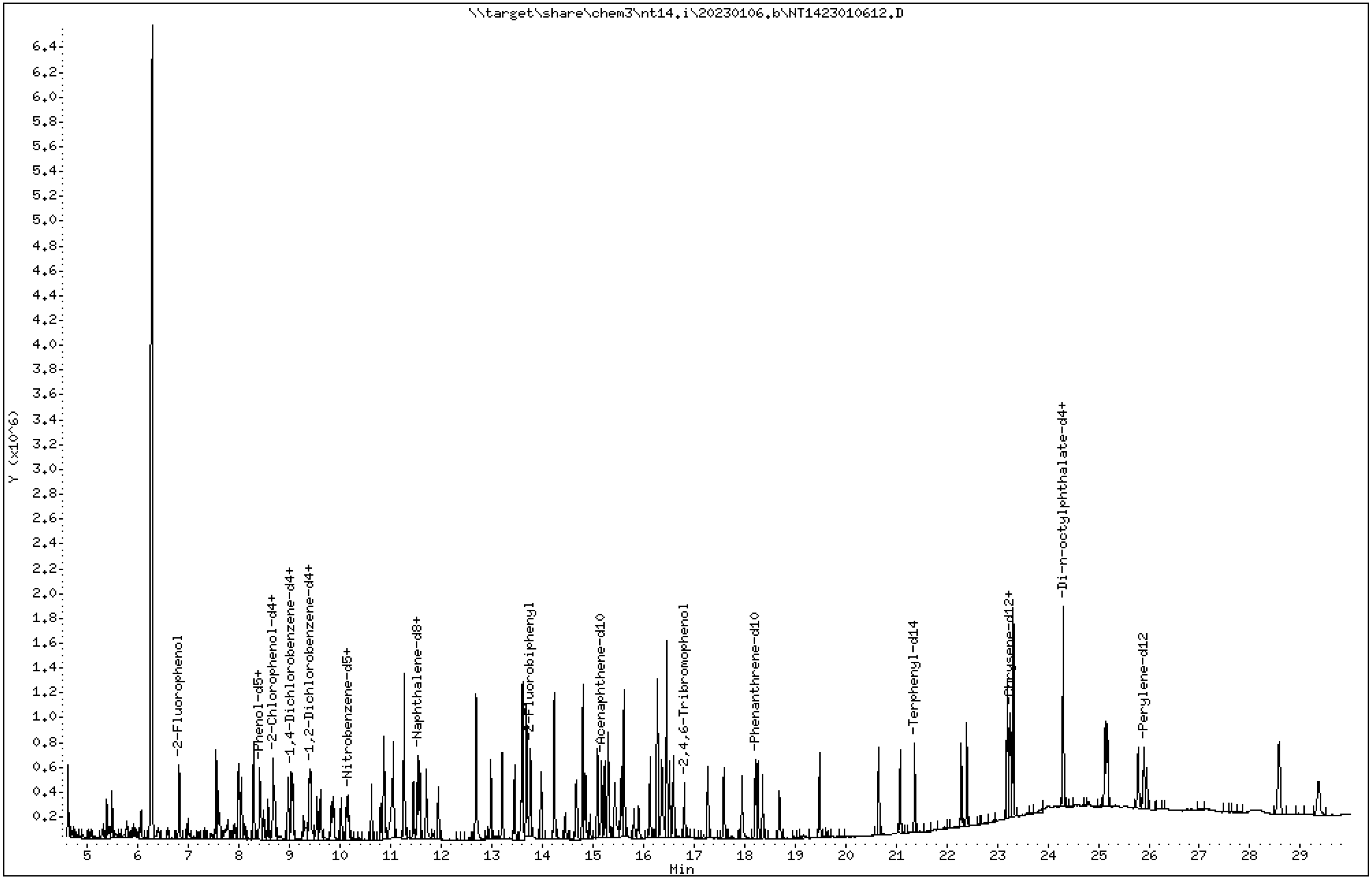
Instrument: nt14.i

Sample Info: BKL0585-BS1

Operator: VTS

Column phase: ZB-5msi

Column diameter: 0.25



Data File: \\target\share\chem3\nt14.i\20230106.b\NT1423010612.D Page 2

Date : 06-JAN-2023 18:14

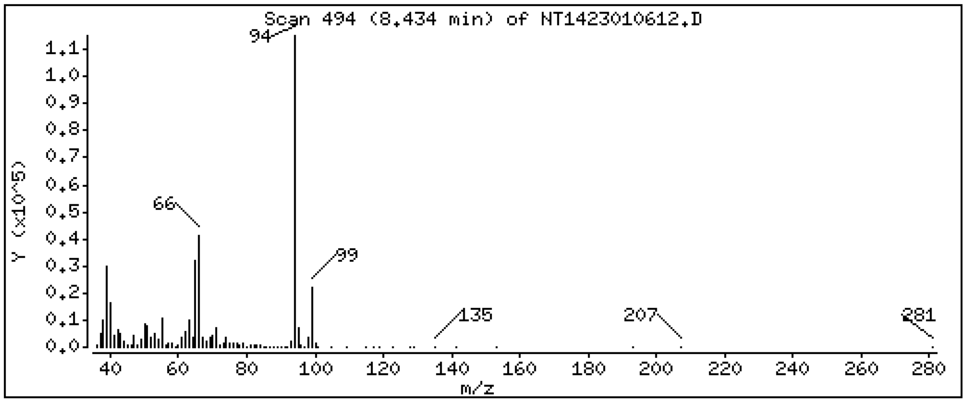
Client ID: Instrument: nt14.i

Sample Info: BKL0585-BS1

Operator: VTS

Column phase: ZB-5msi Column diameter: 0.25

3 Phenol Concentration: 2.985 ug/mL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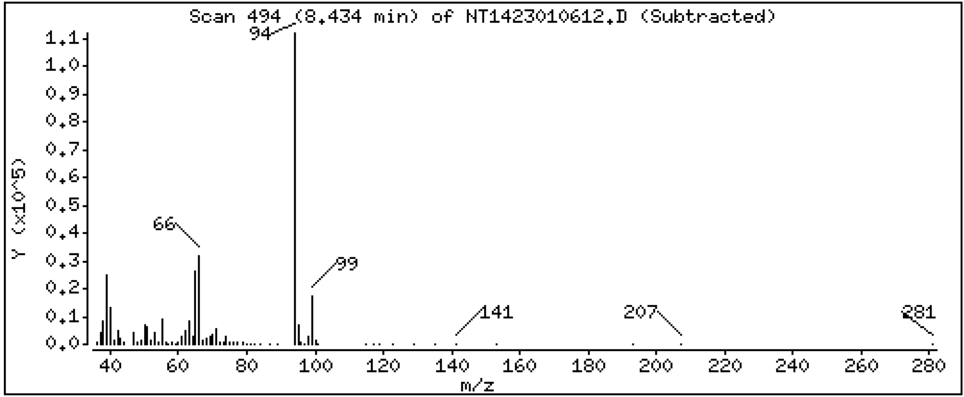
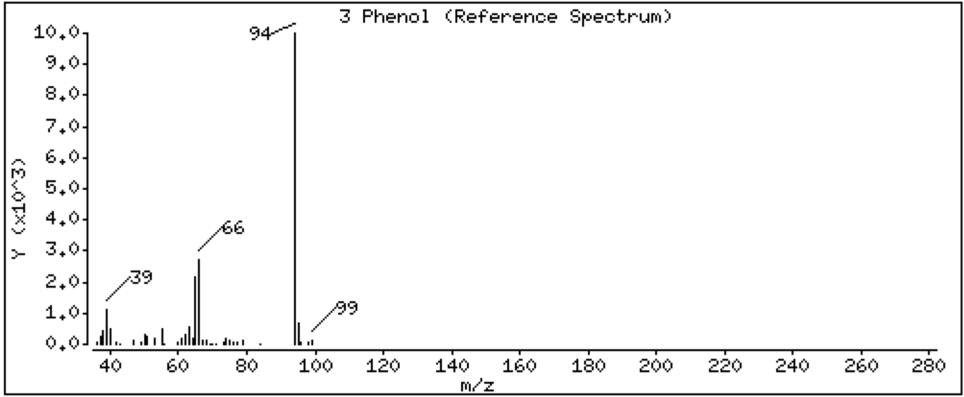
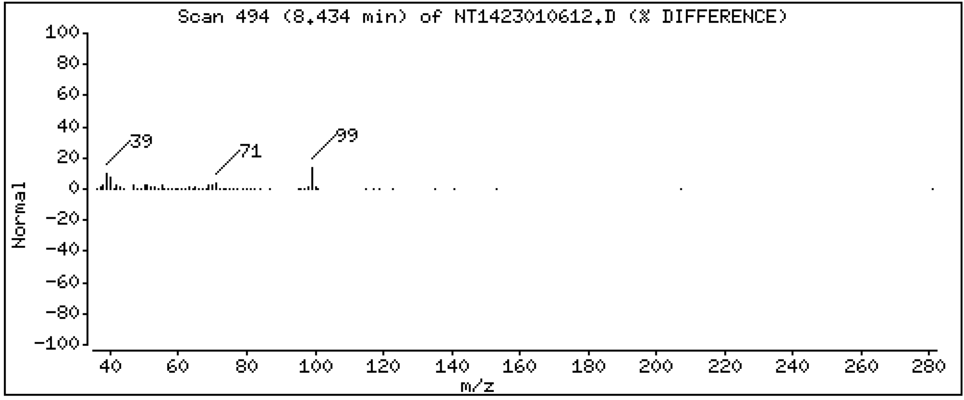
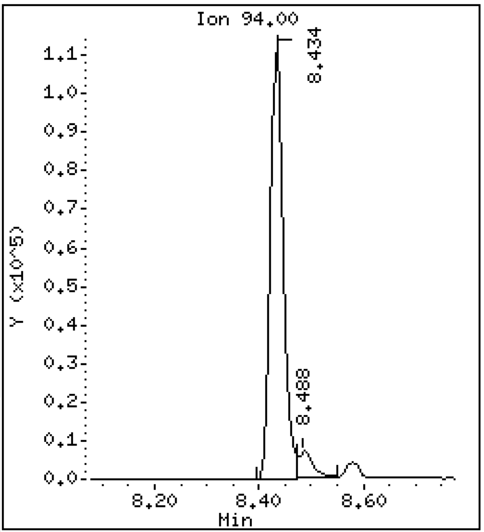
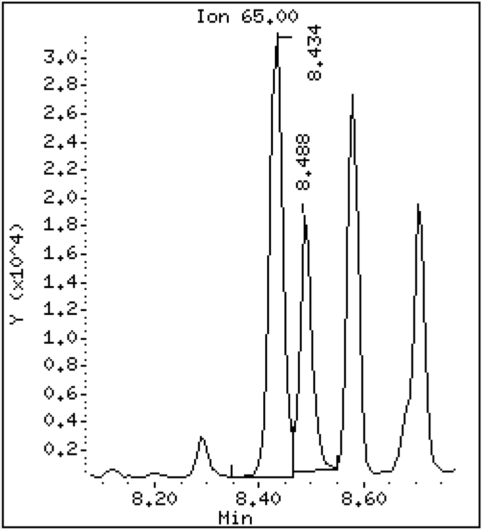
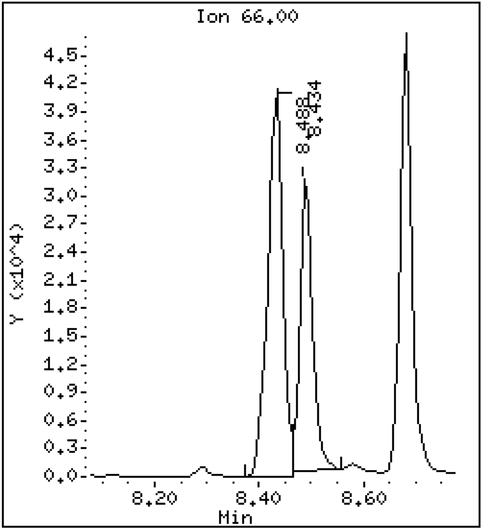

Scan 494 (8.434 min) of NT1423010612.D (Subtracted)


3 Phenol (Reference Spectrum)


Scan 494 (8.434 min) of NT1423010612.D (% DIFFERENCE)


Ion 94.00


Ion 65.00


Ion 66.00

Data File: \\target\share\chem3\nt14.i\20230106.b\NT1423010612.D Page 3

Date : 06-JAN-2023 18:14

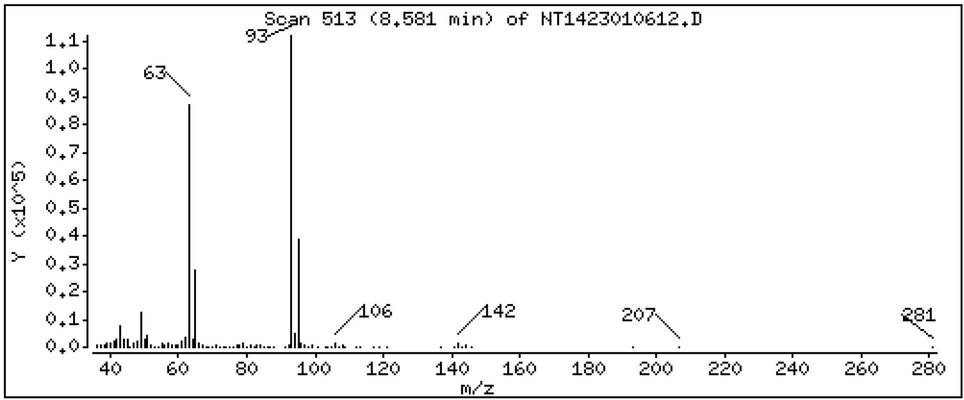
Client ID: Instrument: nt14.i

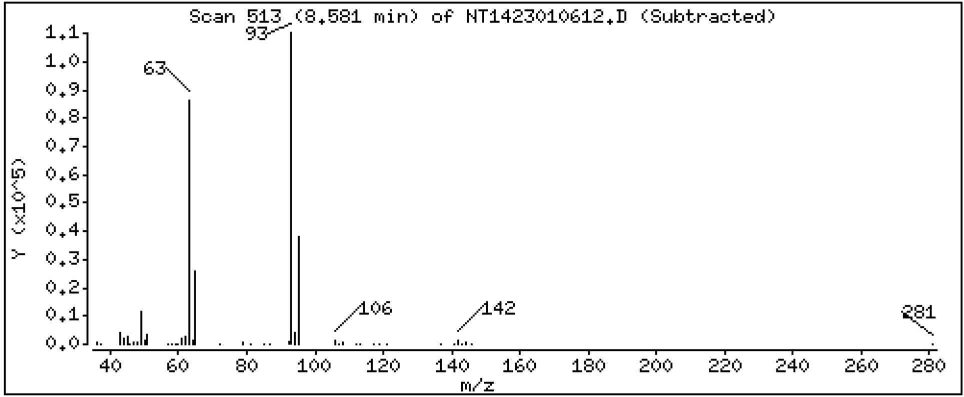
Sample Info: BKL0585-BS1

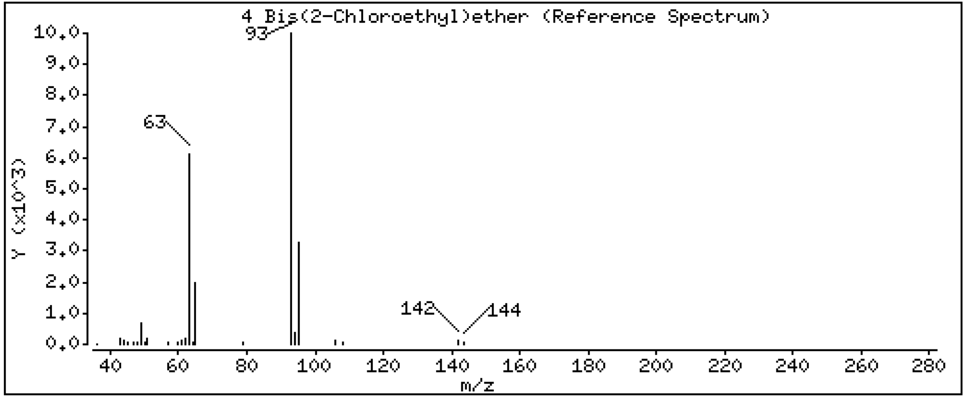
Operator: VTS

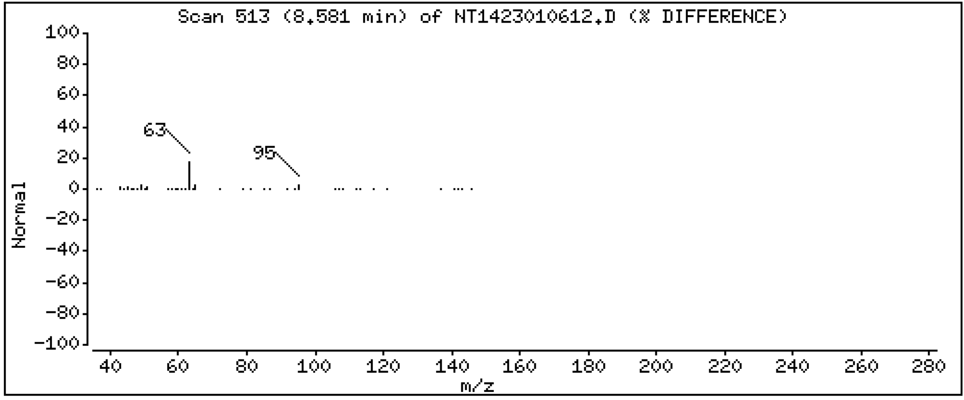
Column phase: ZB-5msi Column diameter: 0.25

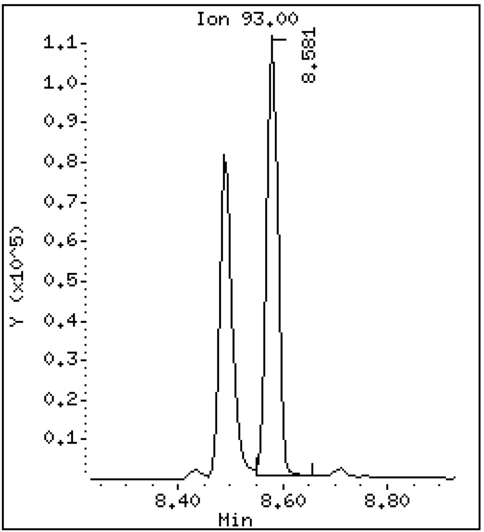
4 Bis(2-Chloroethyl)ether Concentration: 3.718 ug/mL

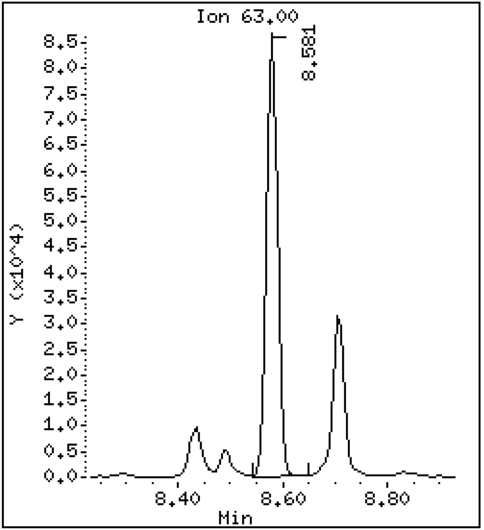


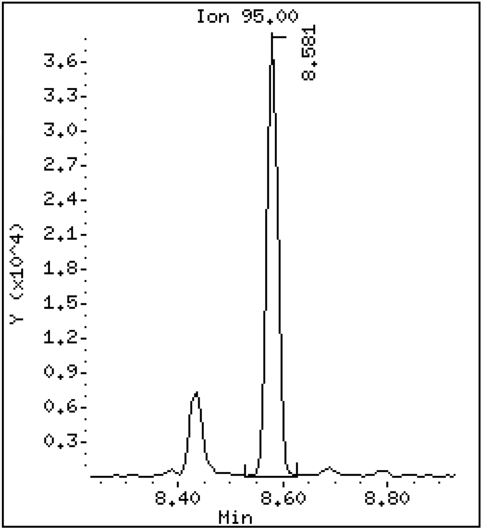












Data File: \\target\share\chem3\nt14.i\20230106.b\NT1423010612.D

Date : 06-JAN-2023 18:14

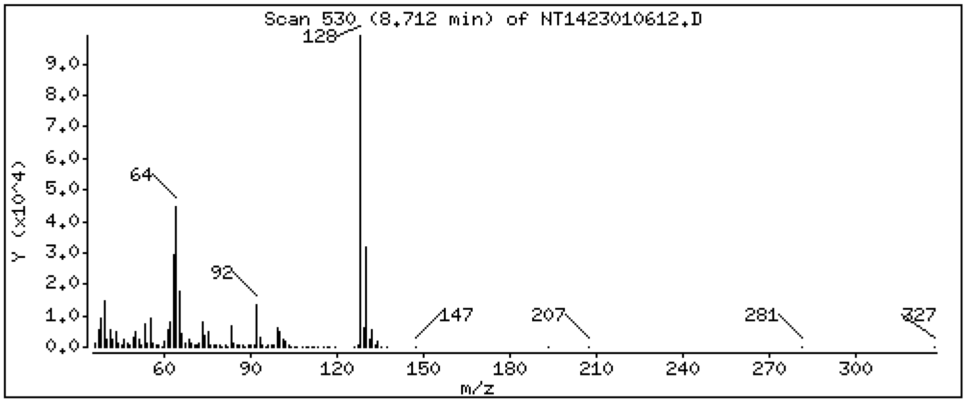
Client ID: Instrument: nt14.i

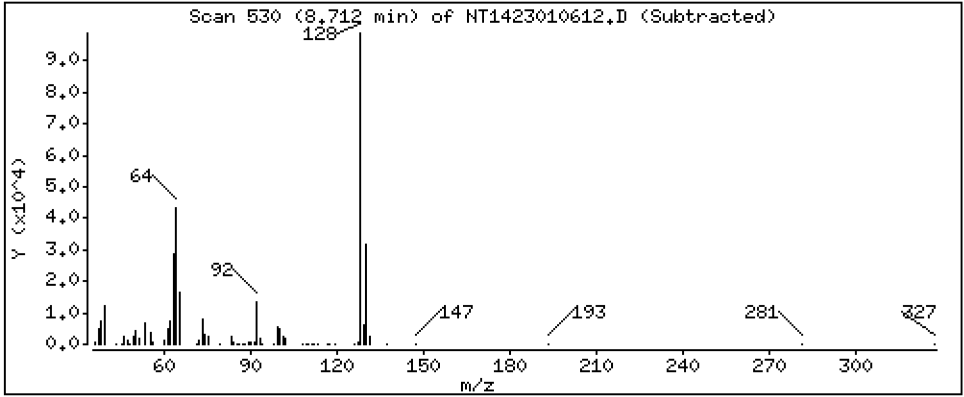
Sample Info: BKL0585-BS1

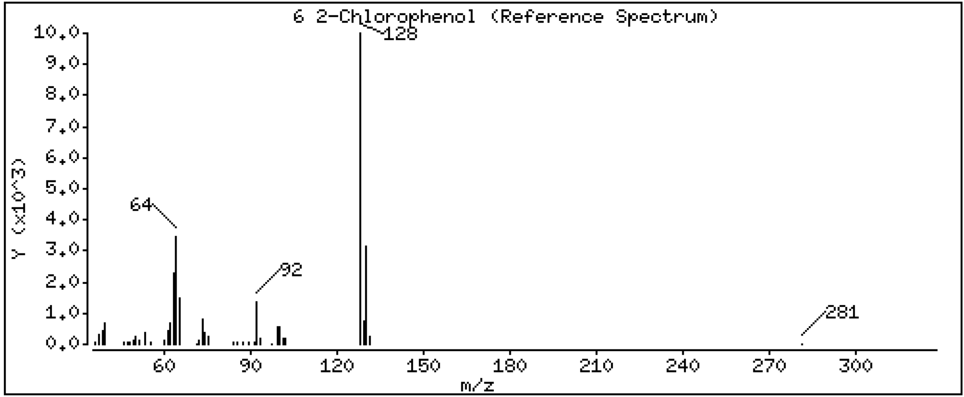
Operator: VTS

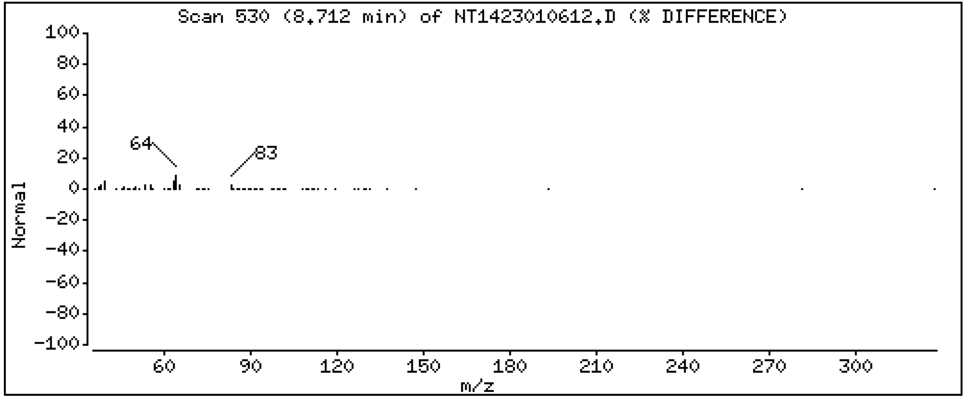
Column phase: ZB-5msi Column diameter: 0.25

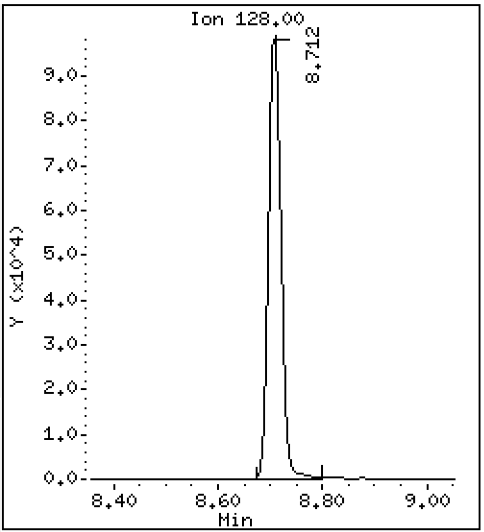
6 2-Chlorophenol Concentration: 3.148 ug/mL

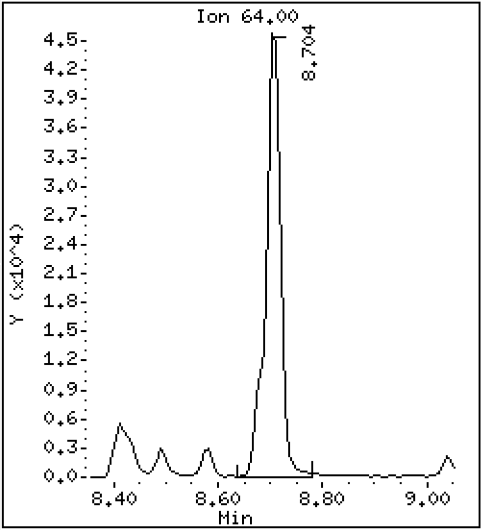


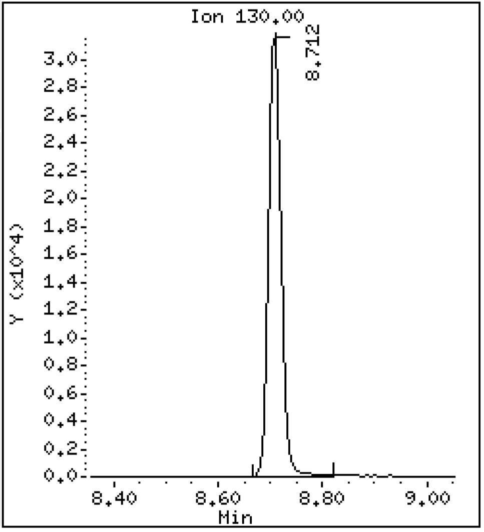












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Date : 06-JAN-2023 18:14

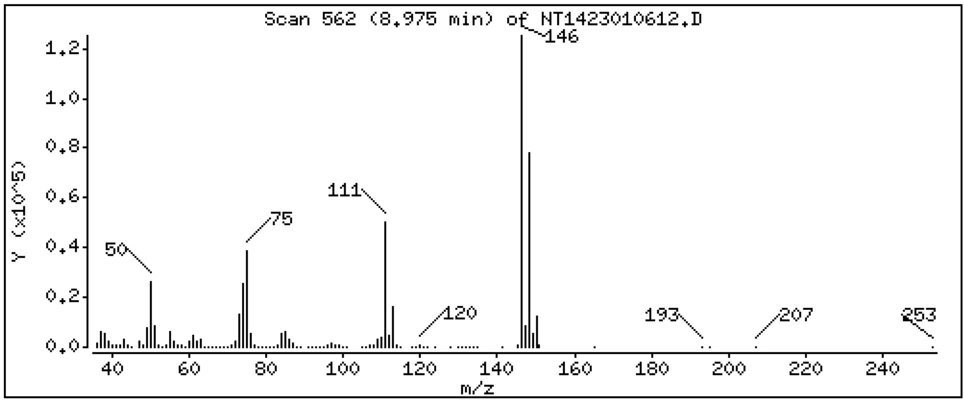
Client ID: Instrument: nt14.i

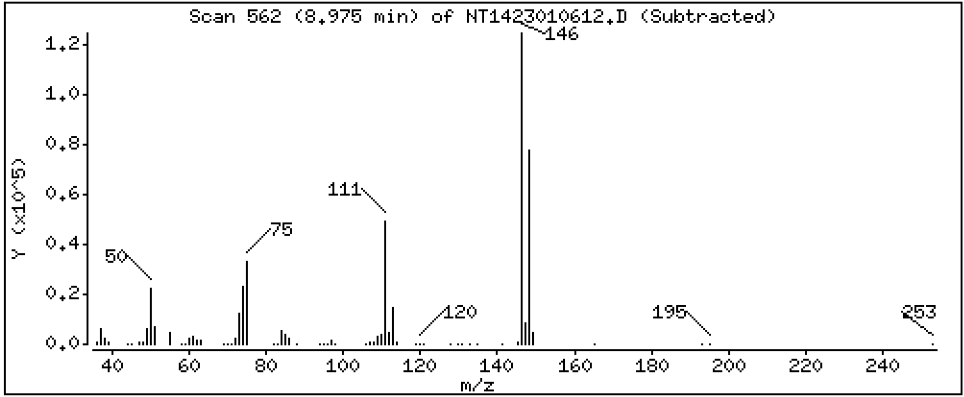
Sample Info: BKL0585-BS1

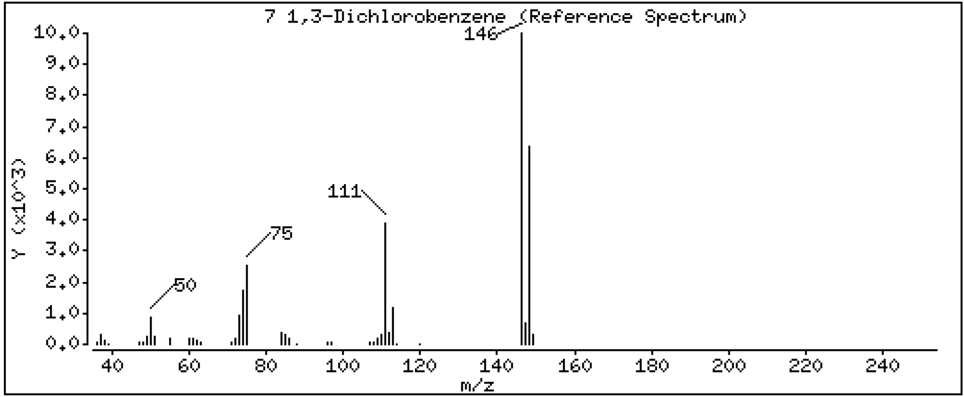
Operator: VTS

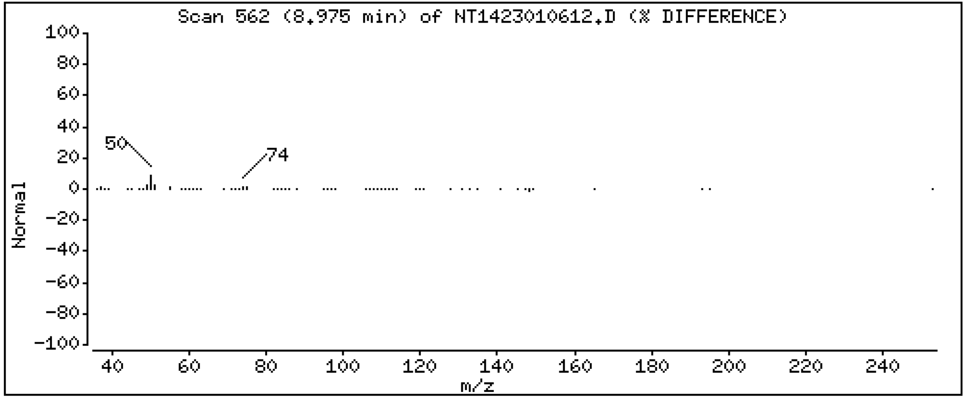
Column phase: ZB-5msi Column diameter: 0.25

7 1,3-Dichlorobenzene Concentration: 3.360 ug/mL


Scan 562 (8.975 min) of NT1423010612.D


Scan 562 (8.975 min) of NT1423010612.D (Subtracted)


7 1,3-Dichlorobenzene (Reference Spectrum)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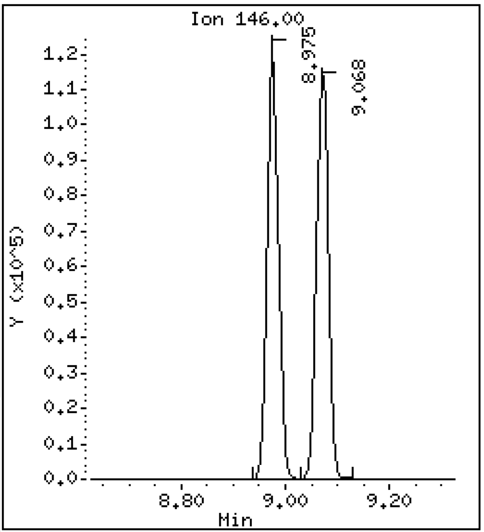
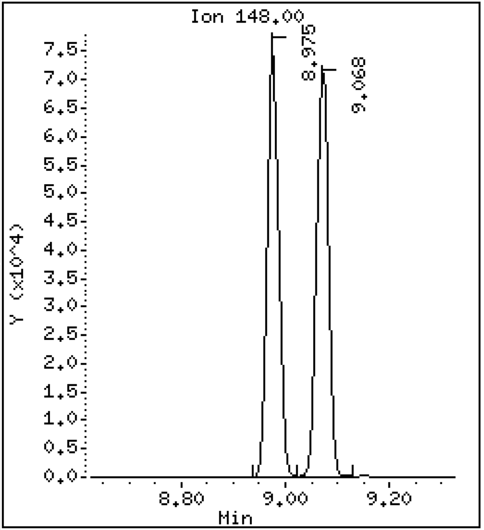

Ion 146.00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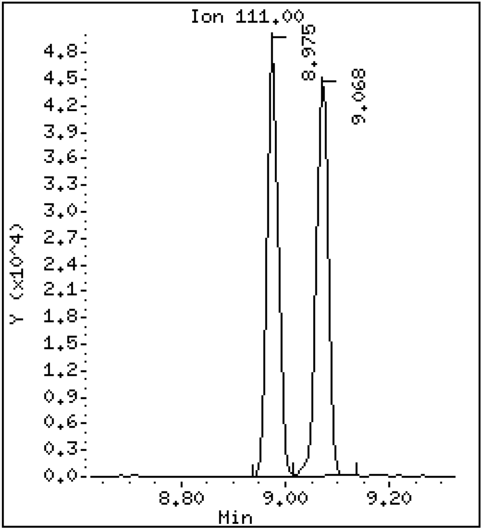

Ion 111.00

Data File: \\target\share\chem3\nt14.i\20230106.b\NT1423010612.D

Date : 06-JAN-2023 18:14

Client ID:

Instrument: nt14.i

Sample Info: BKL0585-BS1

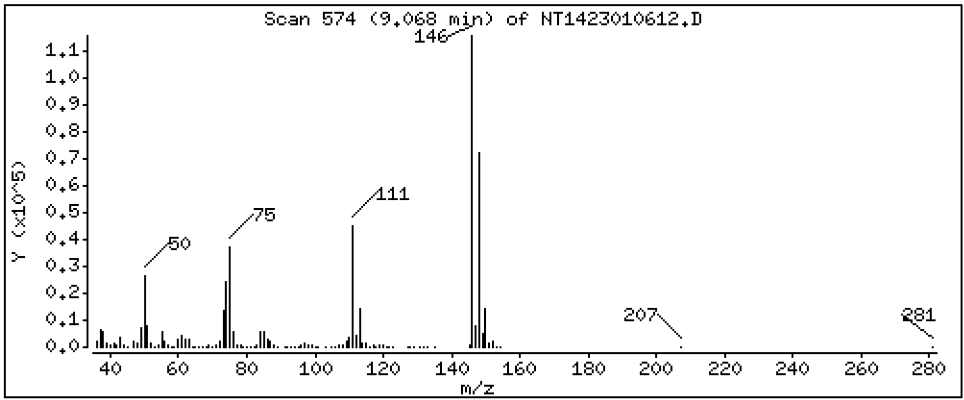
Operator: VTS

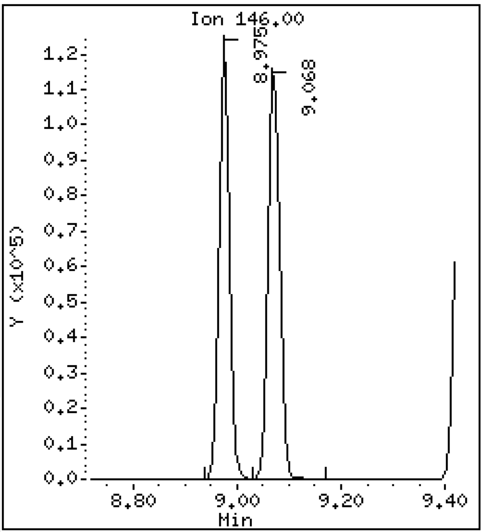
Column phase: ZB-5msi

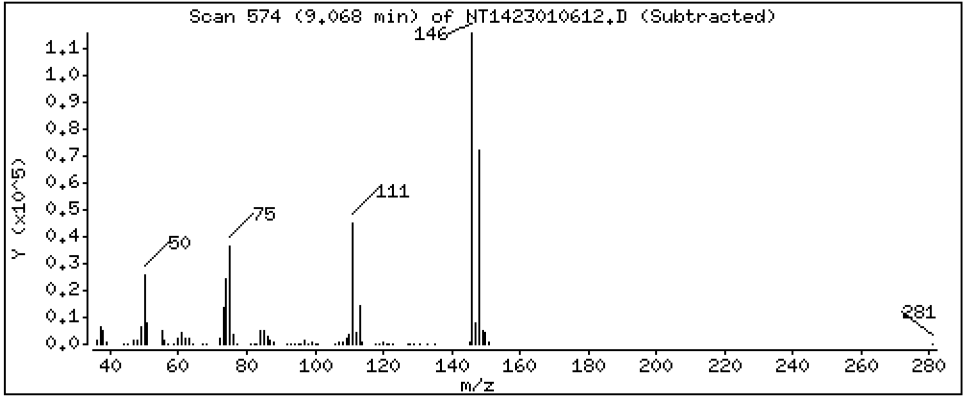
Column diameter: 0.25

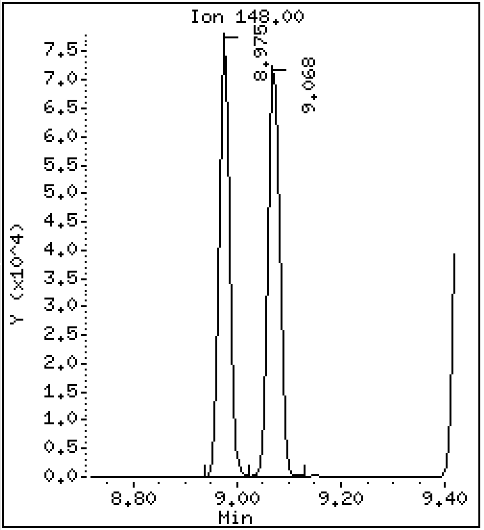
9 1,4-Dichlorobenzene

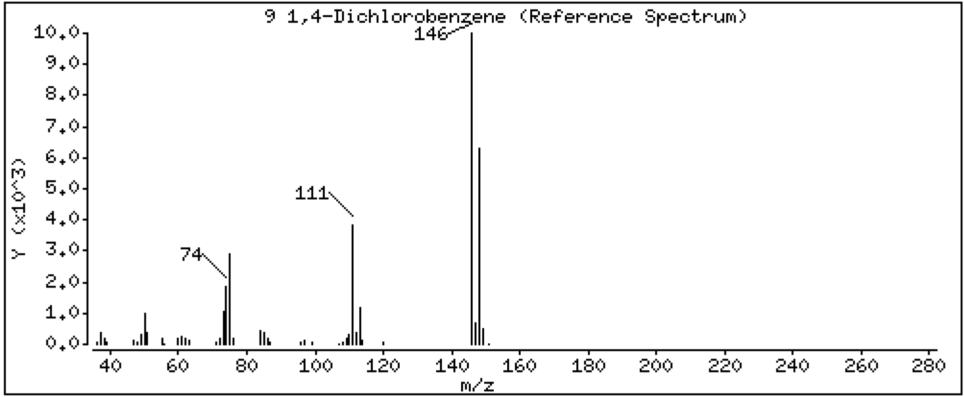
Concentration: 3.917 ug/mL

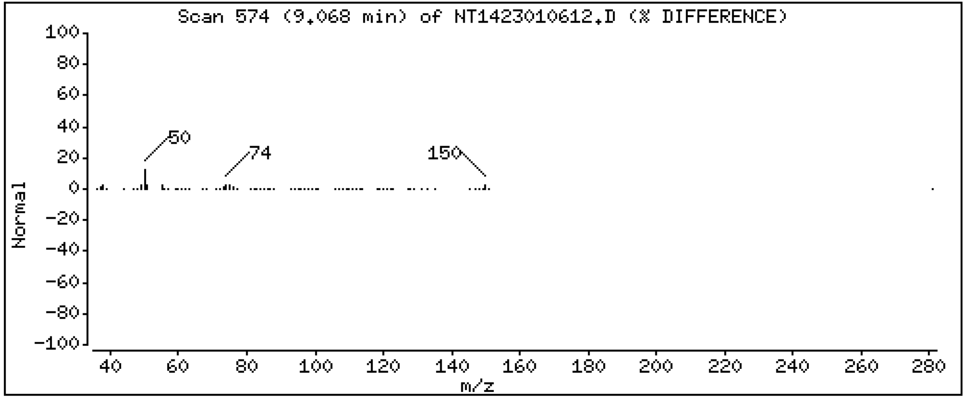


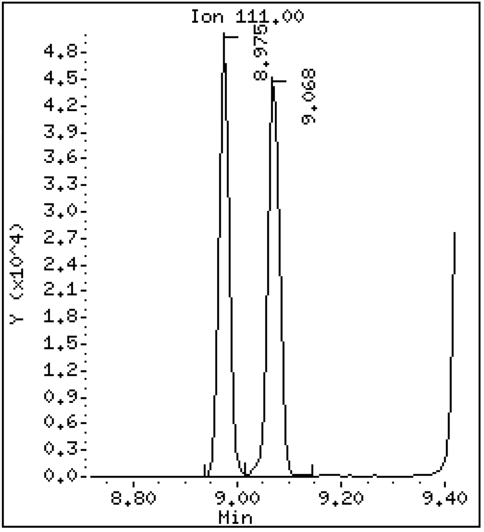












Data File: \\target\share\chem3\nt14.i\20230106.b\NT1423010612.D

Date : 06-JAN-2023 18:14

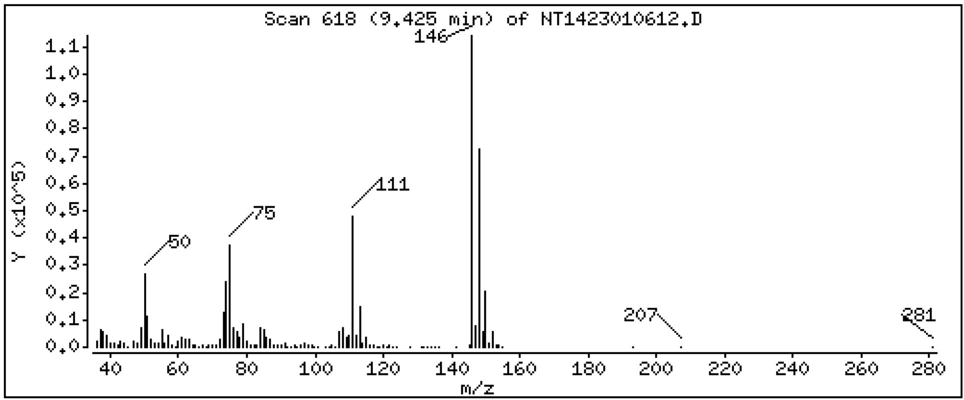
Client ID: Instrument: nt14.i

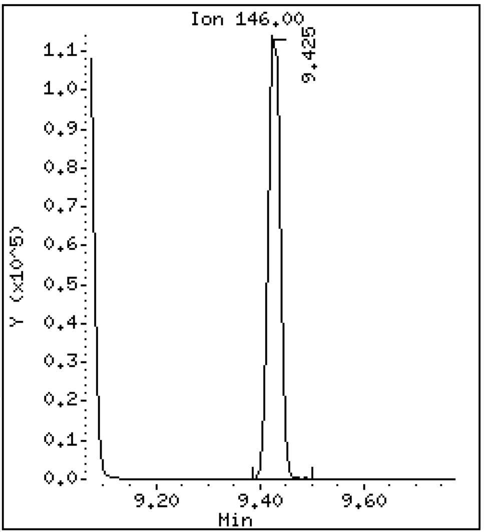
Sample Info: BKL0585-BS1

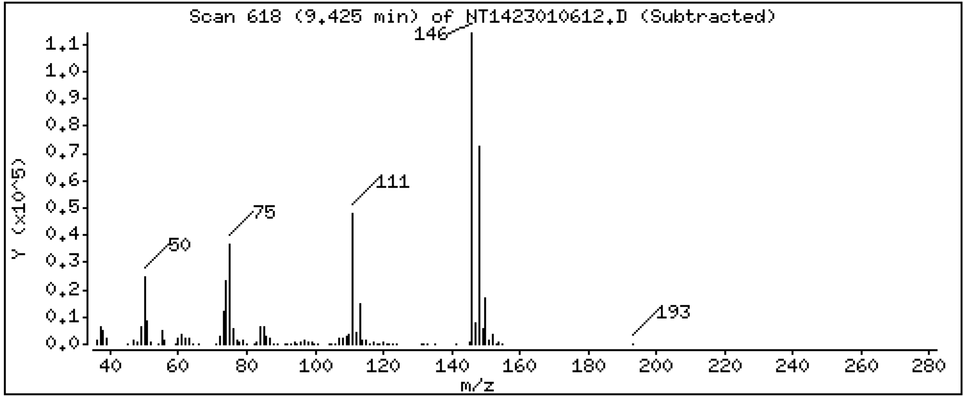
Operator: VTS

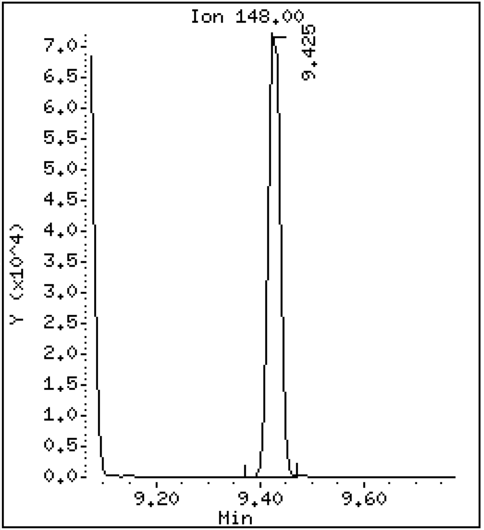
Column phase: ZB-5msi Column diameter: 0.25

12 1,2-Dichlorobenzene Concentration: 3.529 ug/mL


Scan 618 (9.425 min) of NT1423010612.D


Ion 146.00


Scan 618 (9.425 min) of NT1423010612.D (Subtracted)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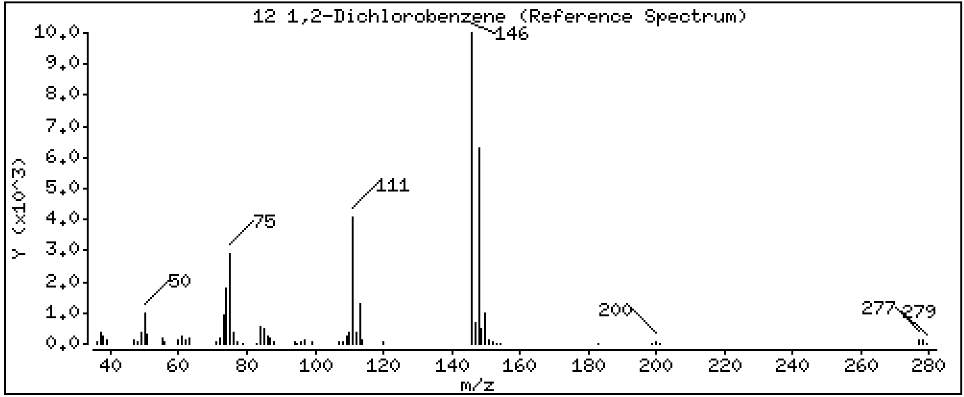
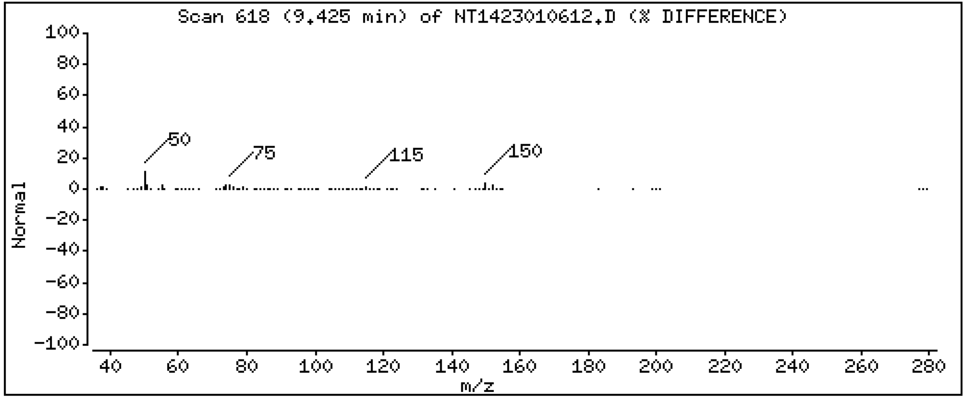
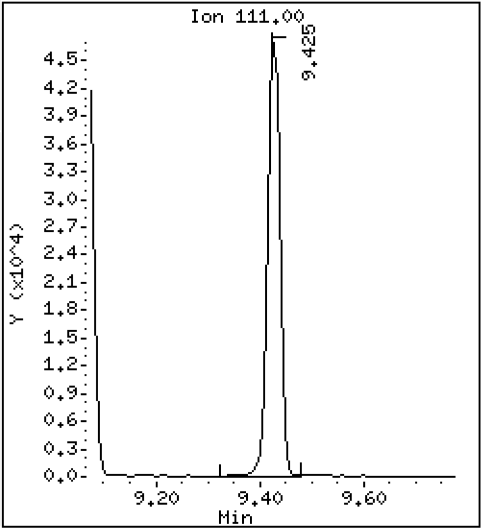

12 1,2-Dichlorobenzene (Reference Spectrum)


Scan 618 (9.425 min) of NT1423010612.D (% DIFFERENCE)


Ion 111.00

Data File: \\target\share\chem3\nt14.i\20230106.b\NT1423010612.D Page 8

Date : 06-JAN-2023 18:14

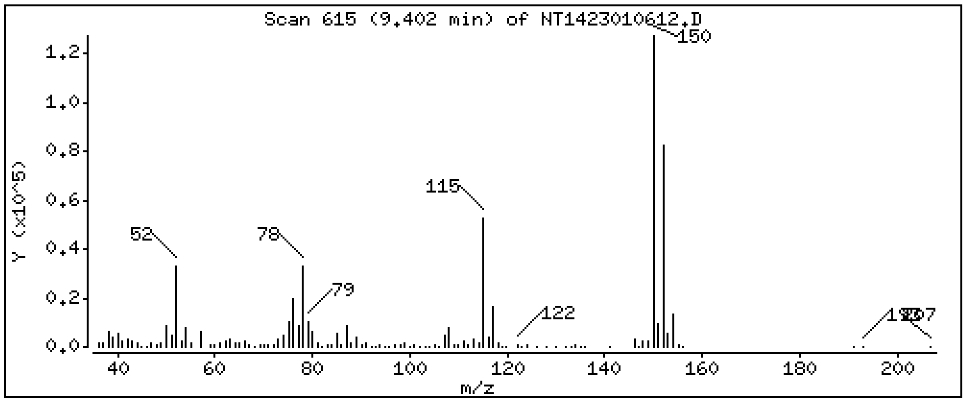
Client ID: Instrument: nt14.i

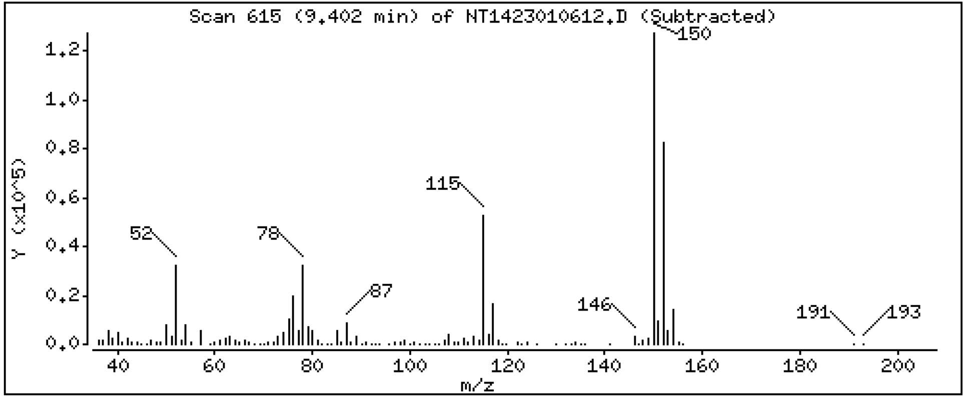
Sample Info: BKL0585-BS1

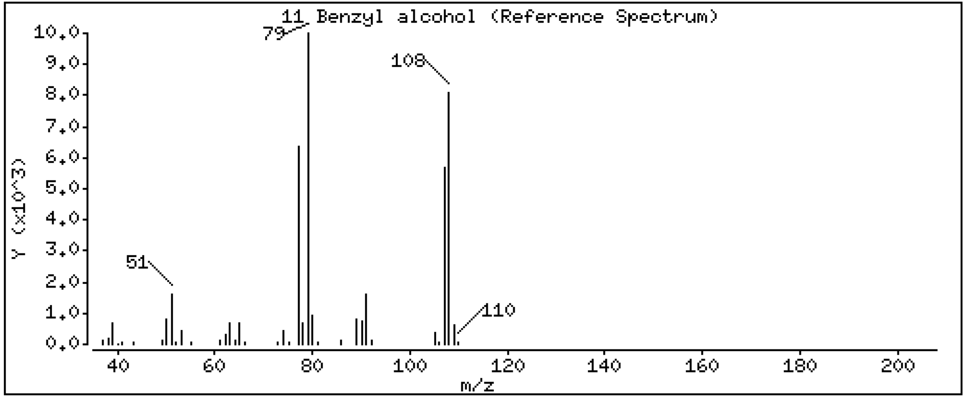
Operator: VTS

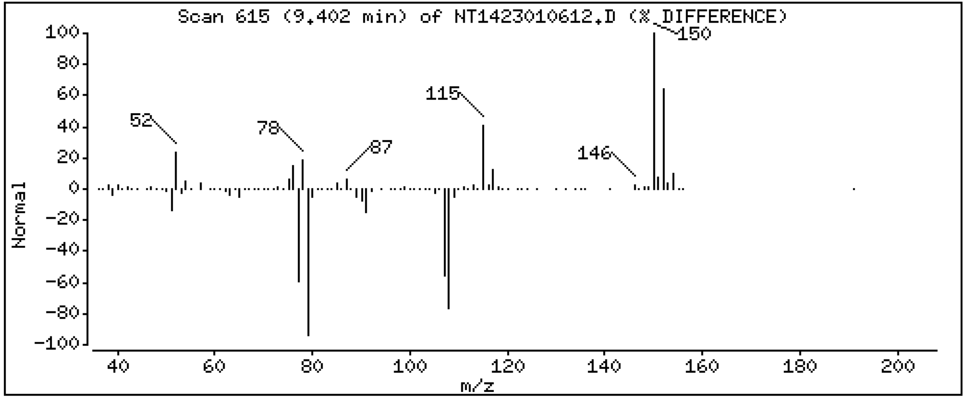
Column phase: ZB-5msi Column diameter: 0.25

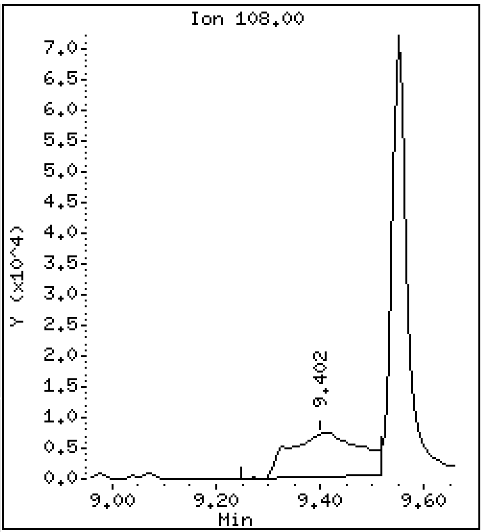
11 Benzyl alcohol Concentration: 2.527 ug/mL

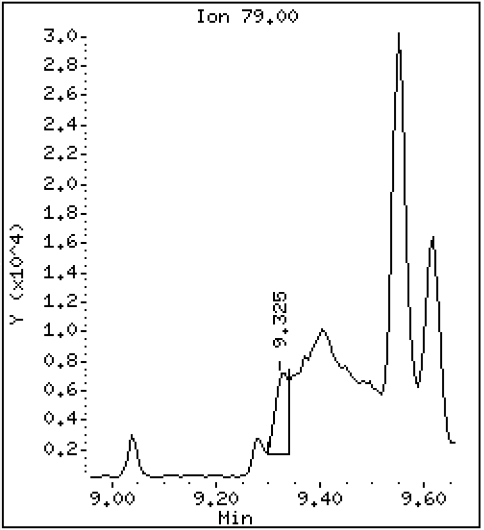

Scan 615 (9.402 min) of NT1423010612.D

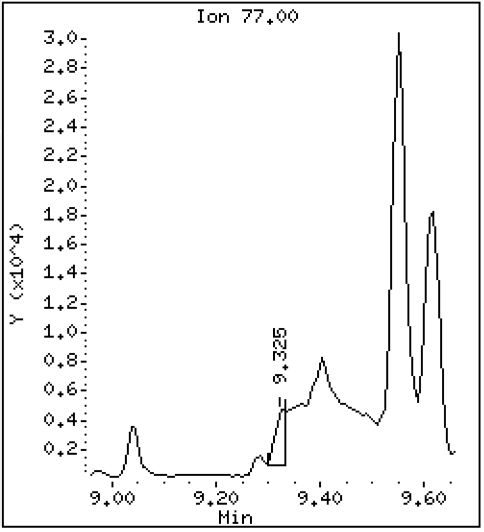

Scan 615 (9.402 min) of NT1423010612.D (Subtracted)


11 Benzyl alcohol (Reference Spectrum)


Scan 615 (9.402 min) of NT1423010612.D (% DIFFERENCE)


Ion 108.00


Ion 79.00


Ion 77.00

Data File: \\target\share\chem3\nt14.i\20230106.b\NT1423010612.D

Date : 06-JAN-2023 18:14

Client ID:

Instrument: nt14.i

Sample Info: BKL0585-BS1

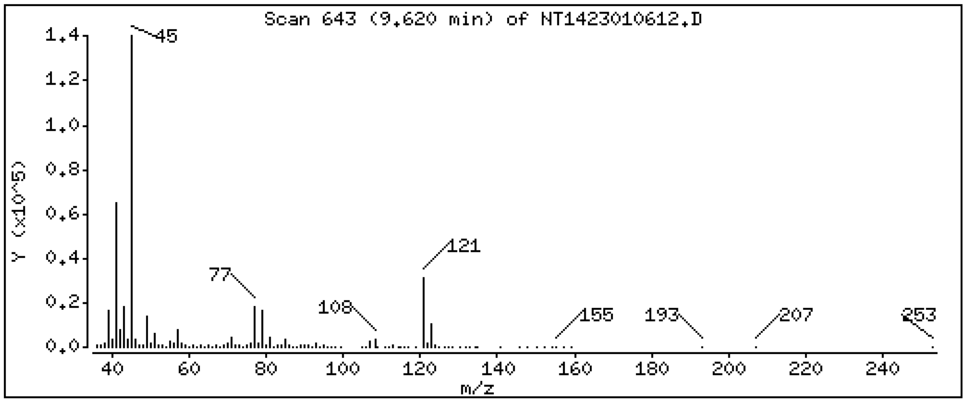
Operator: VTS

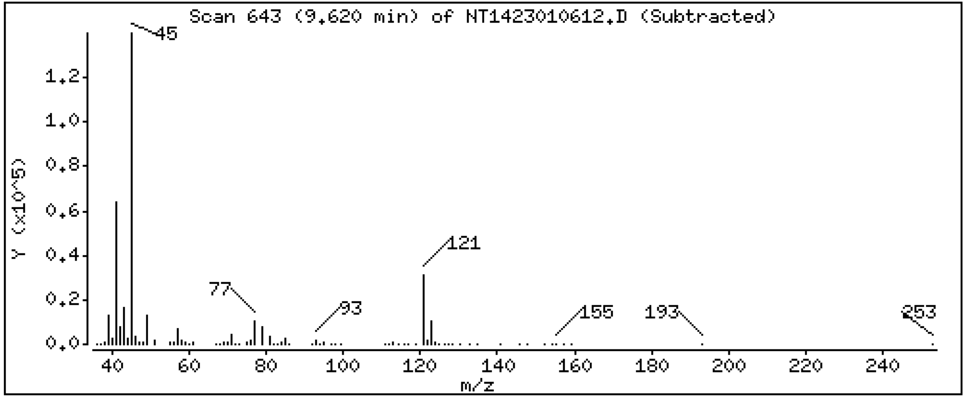
Column phase: ZB-5msi

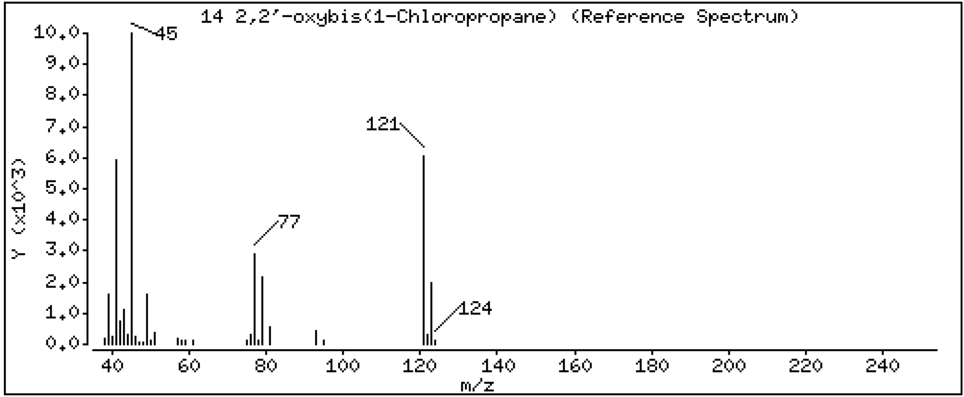
Column diameter: 0.25

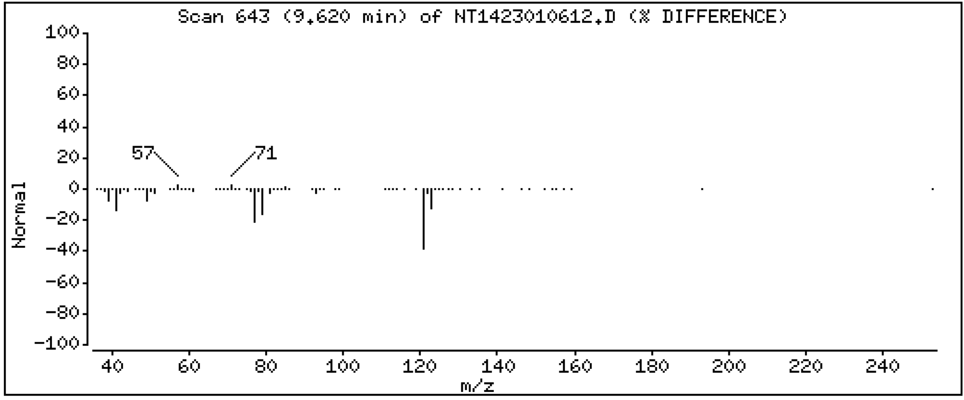
14 2,2'-oxybis(1-Chloropropane)

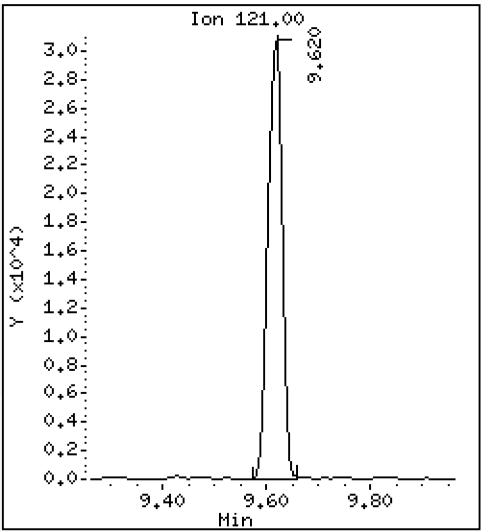
Concentration: 3.952 ug/mL


Scan 643 (9.620 min) of NT1423010612.D


Scan 643 (9.620 min) of NT1423010612.D (Subtracted)


14 2,2'-oxybis(1-Chloropropane) (Reference Spectrum)


Scan 643 (9.620 min) of NT1423010612.D (% DIFFERENCE)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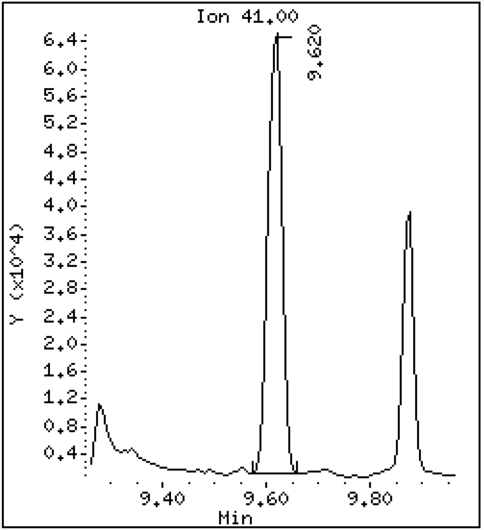
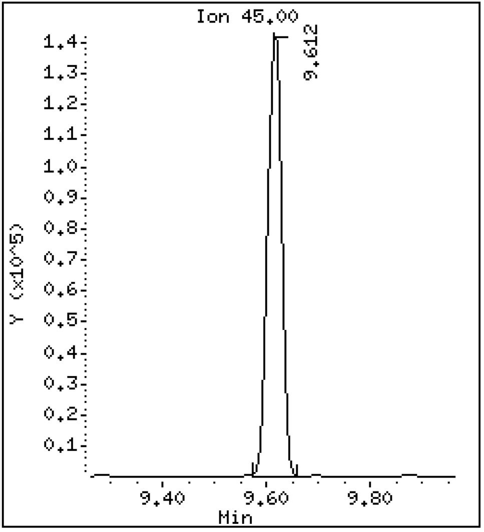

Ion 41.00


Ion 45.00

Date : 06-JAN-2023 18:14

Client ID:

Instrument: nt14.i

Sample Info: BKL0585-BS1

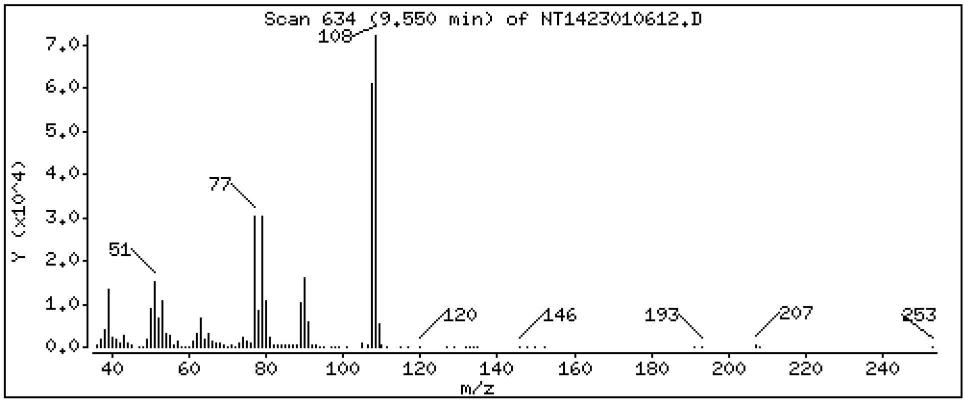
Operator: VTS

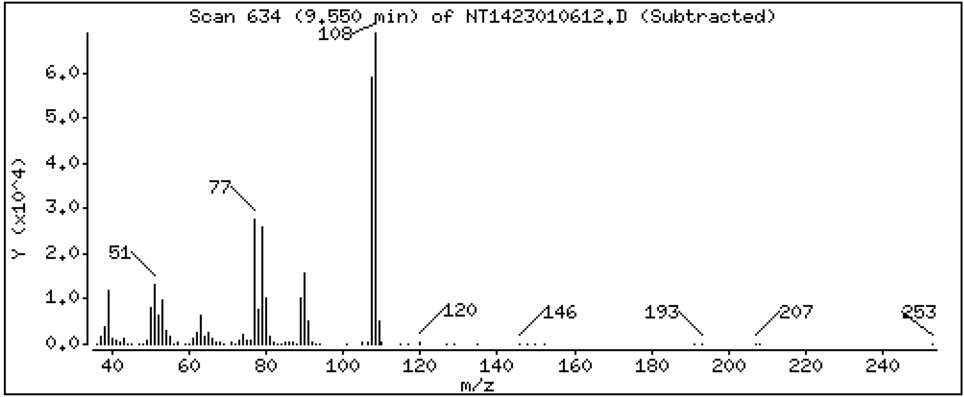
Column phase: ZB-5msi

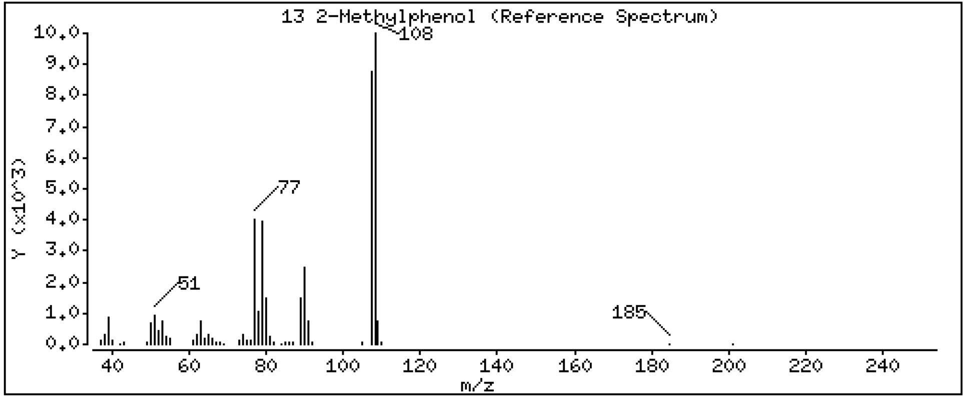
Column diameter: 0.25

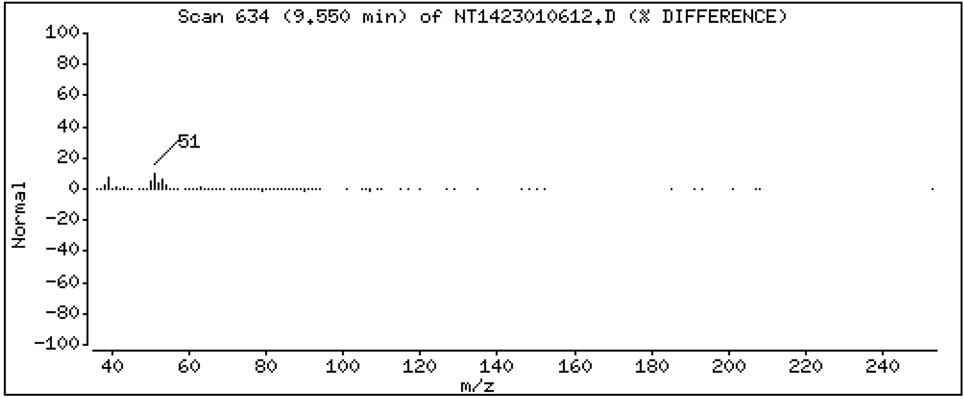
13 2-Methylphenol

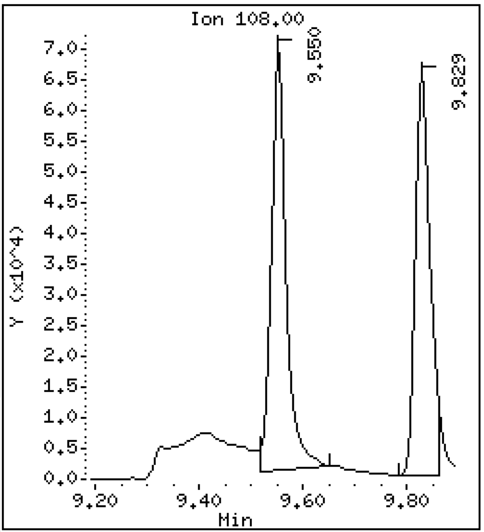
Concentration: 3.022 ug/mL


Scan 634 (9.550 min) of NT1423010612.D


Scan 634 (9.550 min) of NT1423010612.D (Subtracted)


13 2-Methylphenol (Reference Spectrum)


Scan 634 (9.550 min) of NT1423010612.D (% DIFFERENCE)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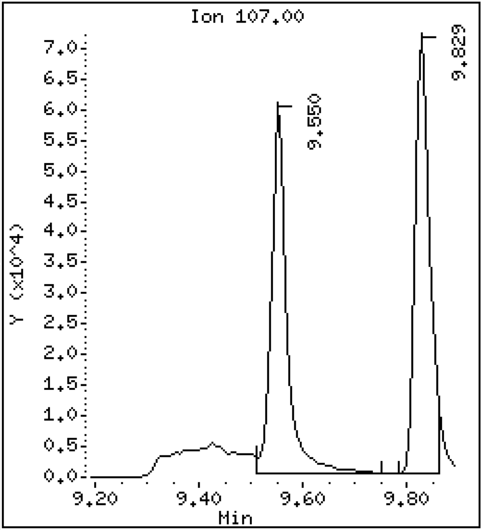
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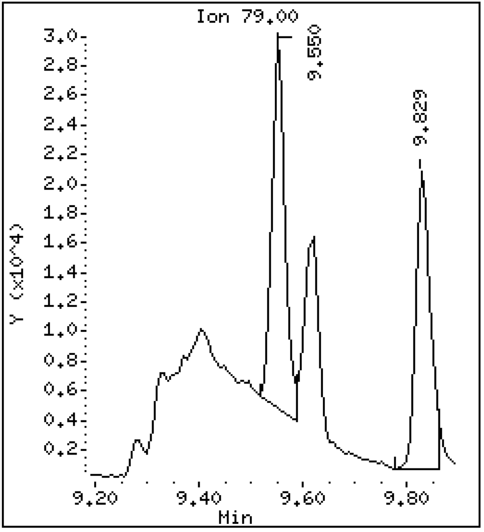

Ion 79.00

Date : 06-JAN-2023 18:14

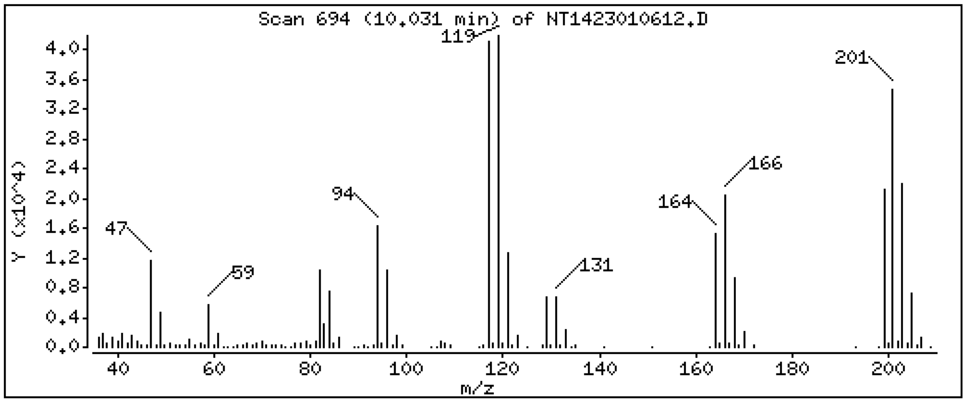
Client ID: Instrument: nt14.i

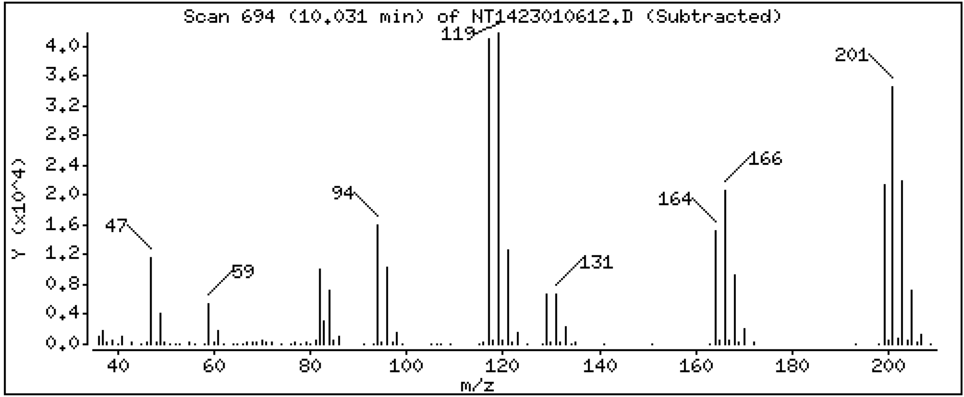
Sample Info: BKL0585-BS1

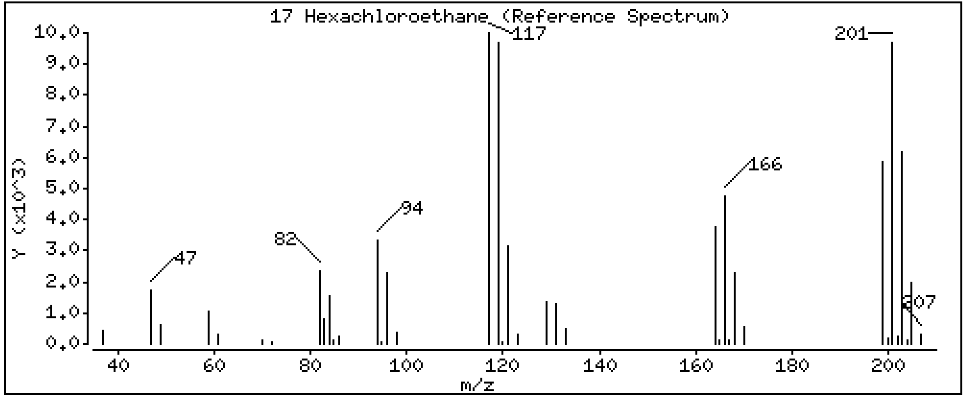
Operator: VTS

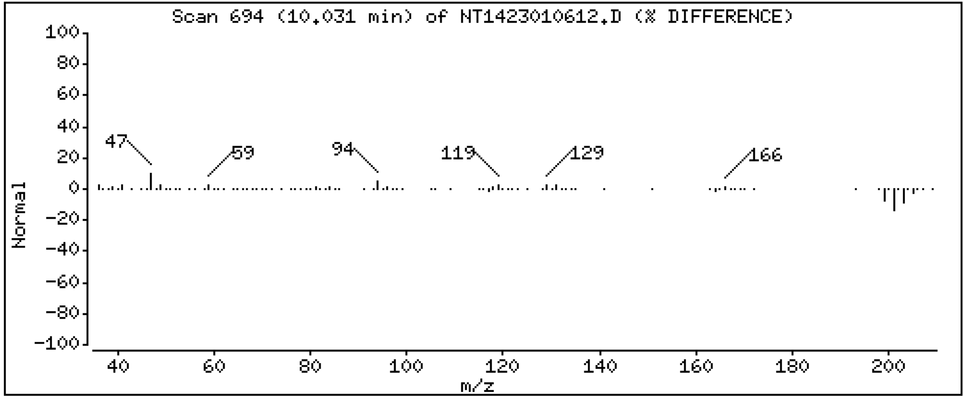
Column phase: ZB-5msi Column diameter: 0.25

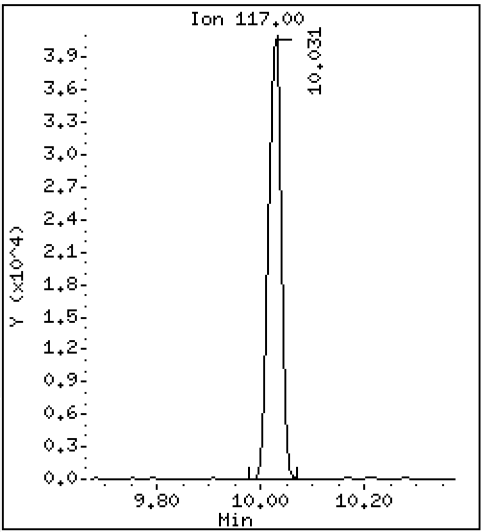
17 Hexachloroethane Concentration: 3.621 ug/mL


Scan 694 (10.031 min) of NT1423010612.D


Scan 694 (10.031 min) of NT1423010612.D (Subtracted)


17 Hexachloroethane (Reference Spectrum)


Scan 694 (10.031 min) of NT1423010612.D (% DIFFERENCE)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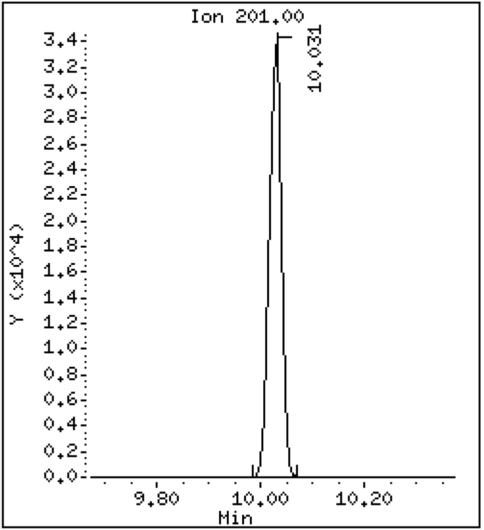
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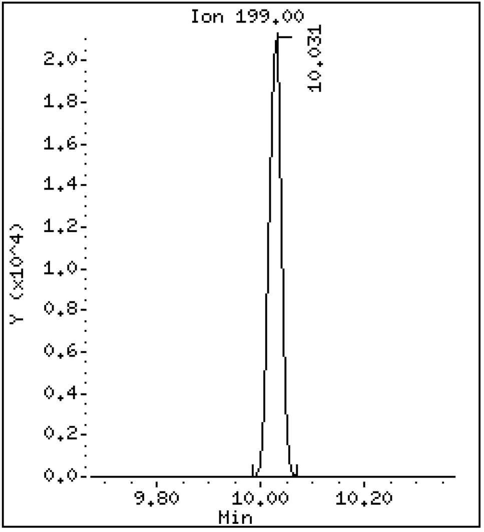

Ion 199.00

Data File: \\target\share\chem3\nt14.i\20230106.b\NT1423010612.D

Date : 06-JAN-2023 18:14

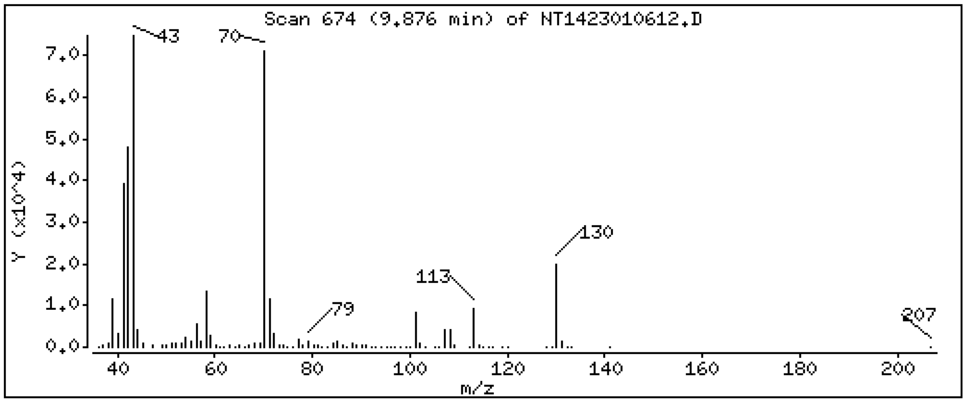
Client ID: Instrument: nt14.i

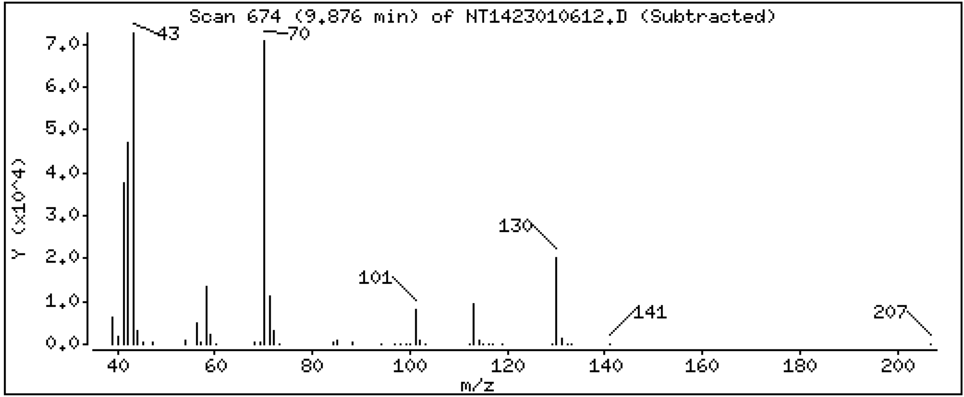
Sample Info: BKL0585-BS1

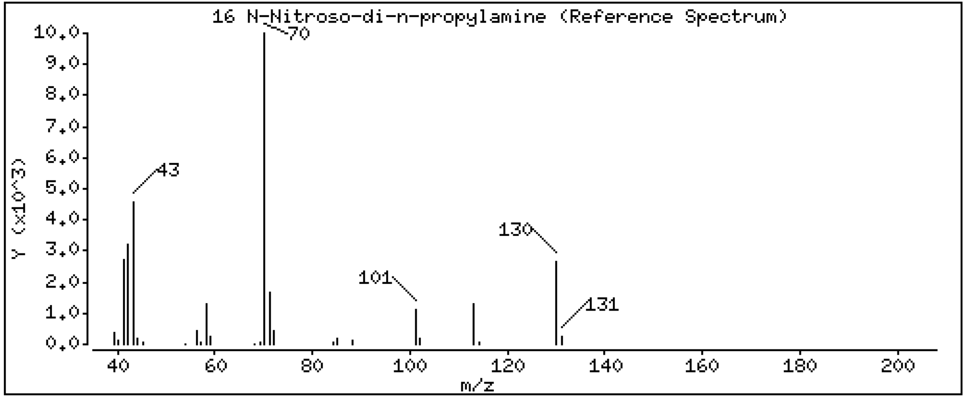
Operator: VTS

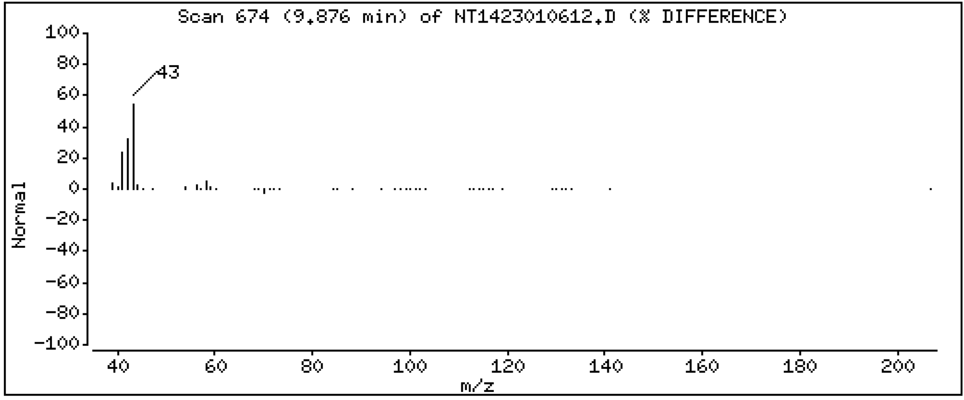
Column phase: ZB-5msi Column diameter: 0.25

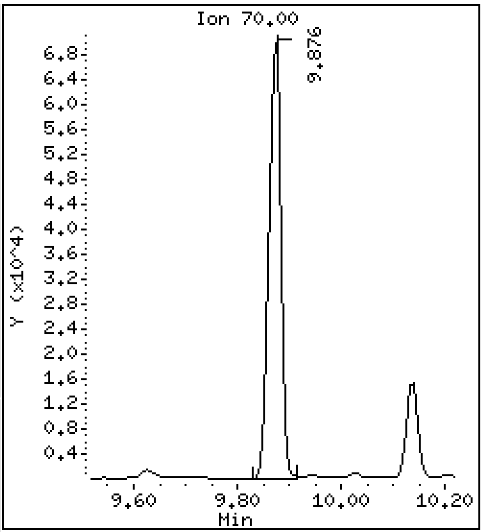
16 N-Nitroso-di-n-propylamine Concentration: 3.967 ug/mL

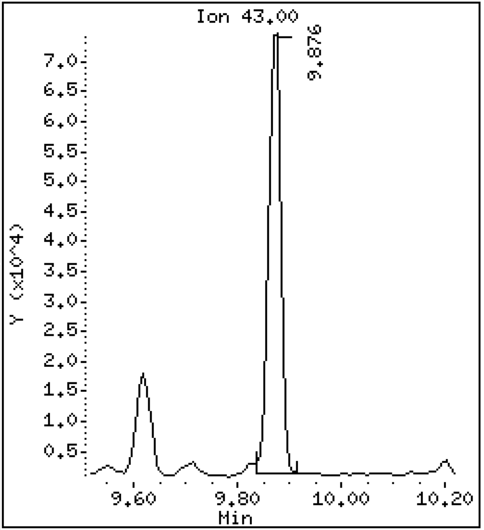


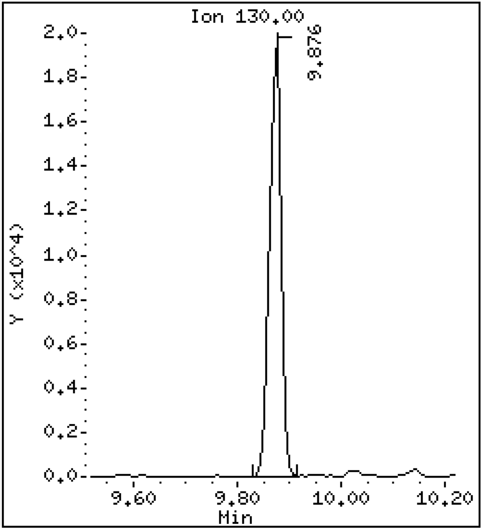












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Date : 06-JAN-2023 18:14

Client ID:

Instrument: nt14.i

Sample Info: BKL0585-BS1

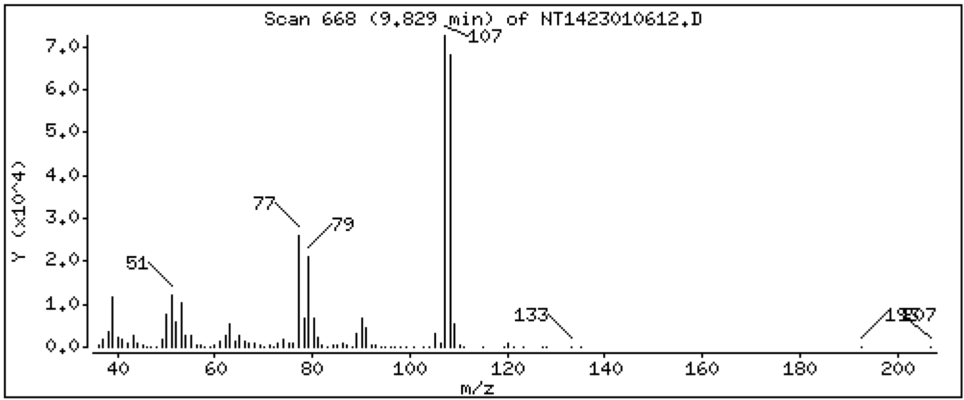
Operator: VTS

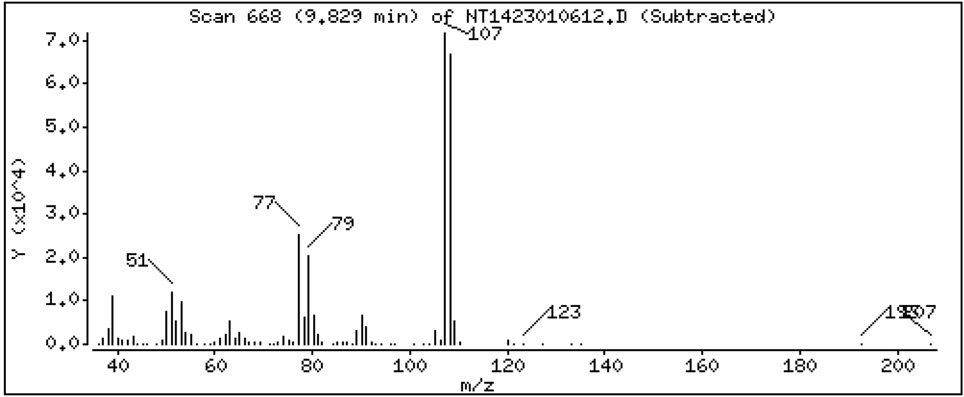
Column phase: ZB-5msi

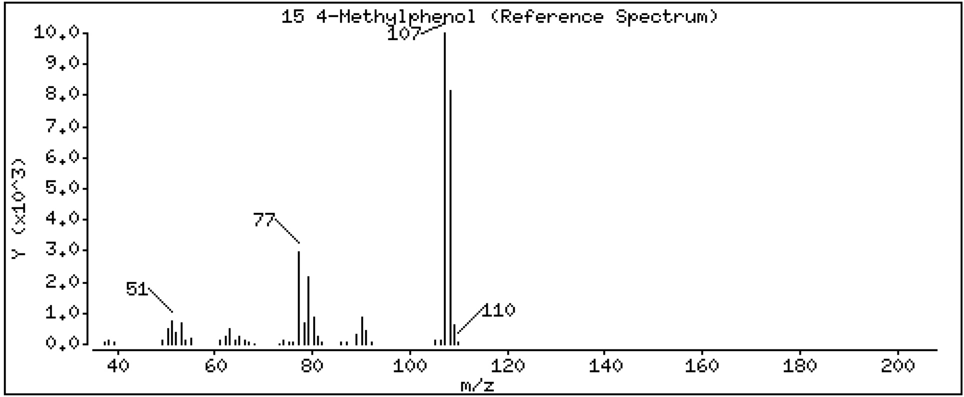
Column diameter: 0.25

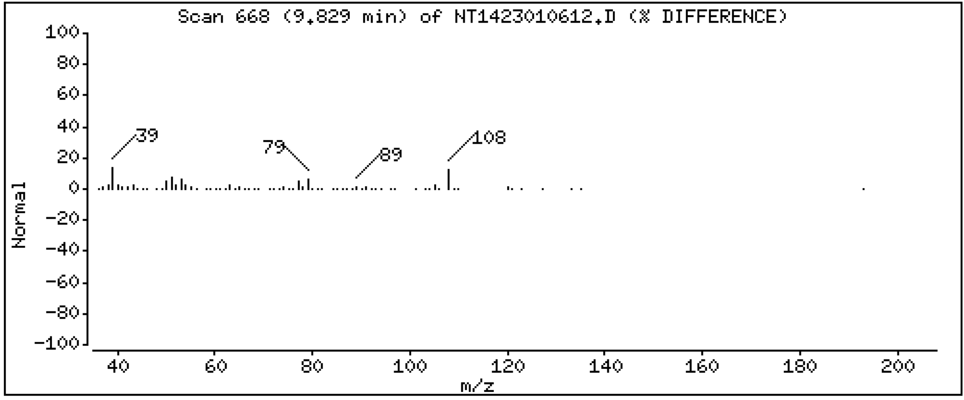
15 4-Methylphenol

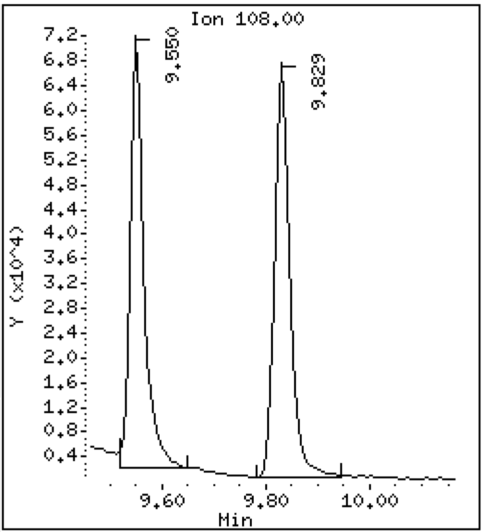
Concentration: 2.951 ug/mL

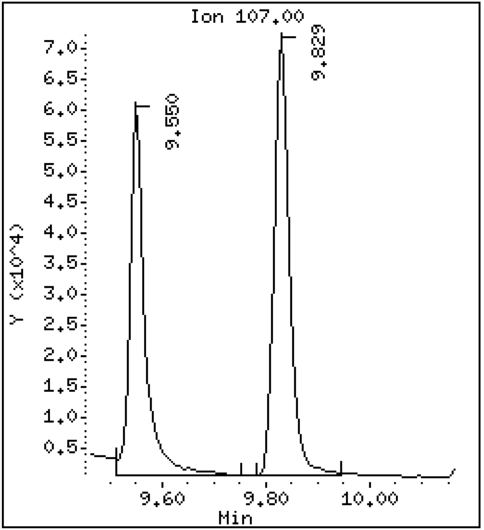

Scan 668 (9.829 min) of NT1423010612.D


Scan 668 (9.829 min) of NT1423010612.D (Subtracted)


15 4-Methylphenol (Reference Spectrum)


Scan 668 (9.829 min) of NT1423010612.D (% DIFFERENCE)


Ion 108.00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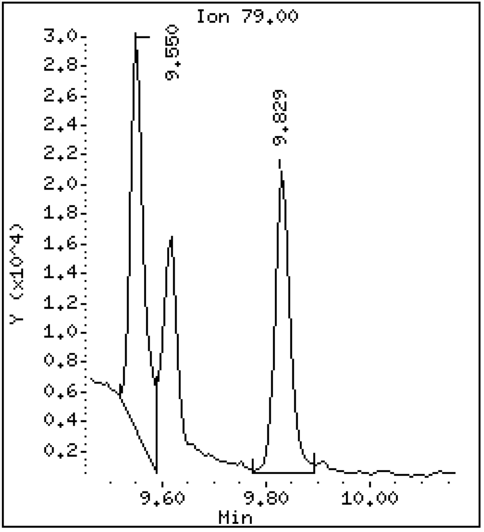
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Data File: \\target\share\chem3\nt14.i\20230106.b\NT1423010612.D

Date : 06-JAN-2023 18:14

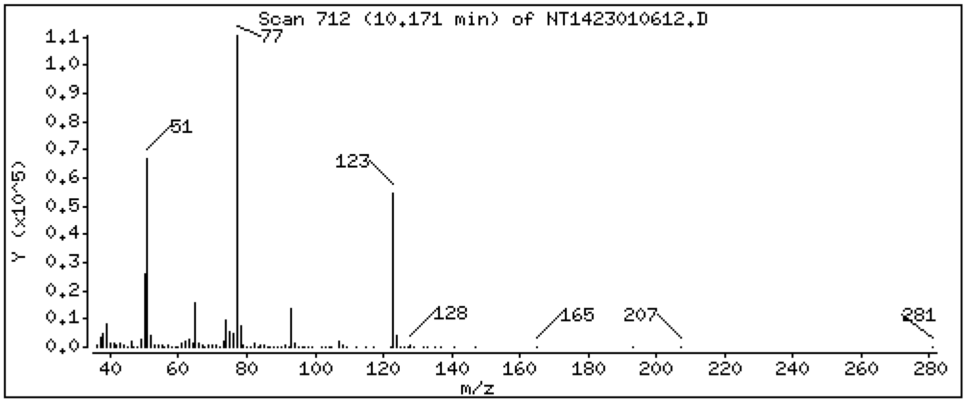
Client ID: Instrument: nt14.i

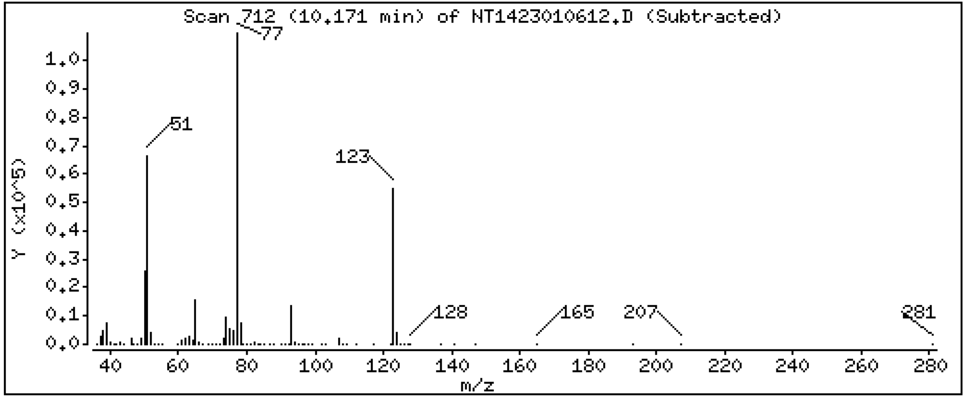
Sample Info: BKL0585-BS1

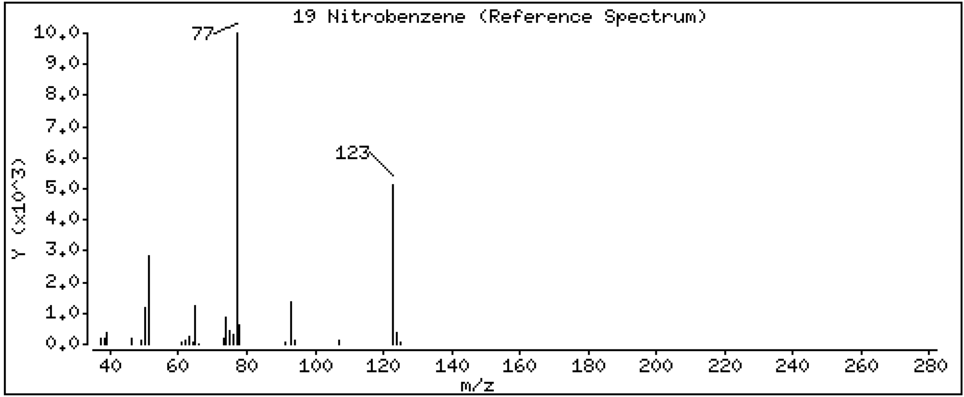
Operator: VTS

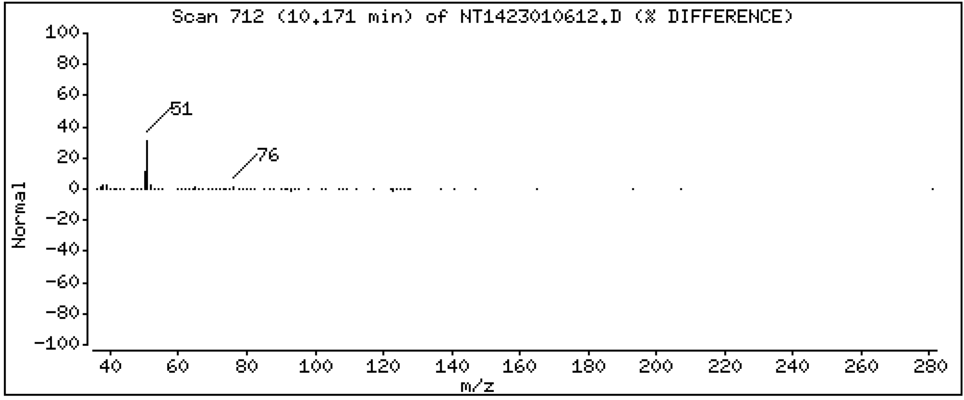
Column phase: ZB-5msi Column diameter: 0.25

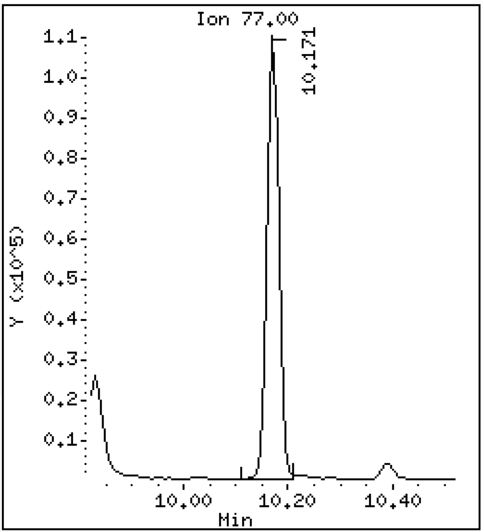
19 Nitrobenzene Concentration: 3.895 ug/mL

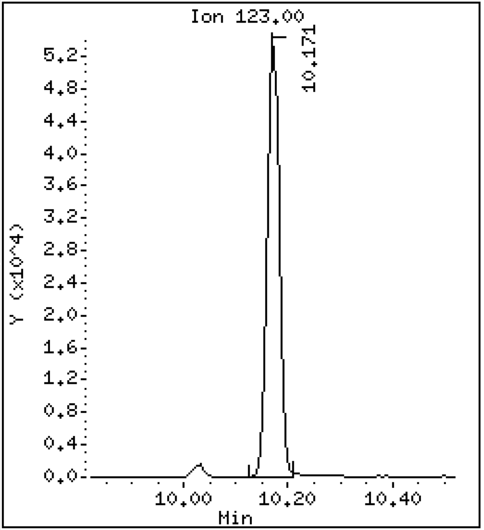


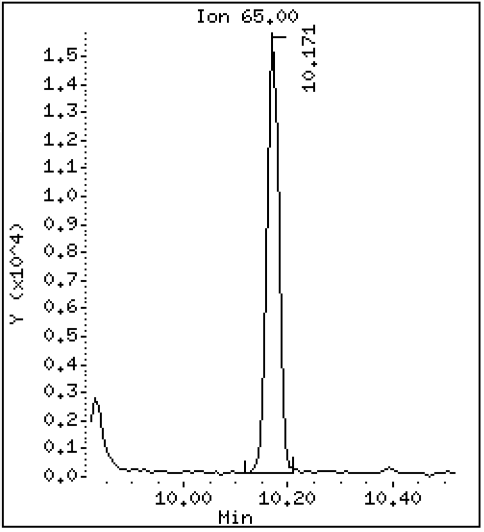












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Date : 06-JAN-2023 18:14

Client ID:

Instrument: nt14.i

Sample Info: BKL0585-BS1

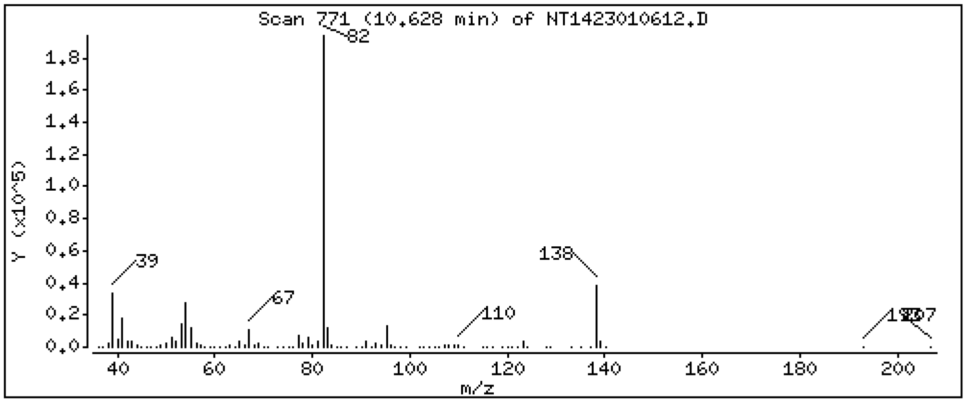
Operator: VTS

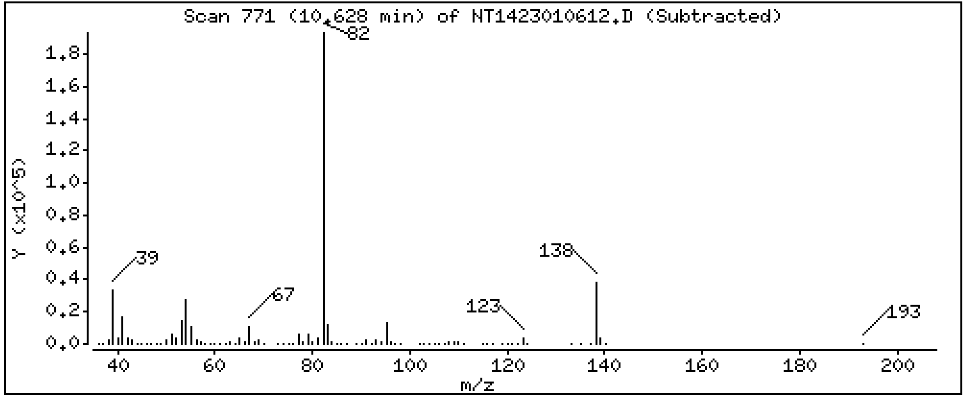
Column phase: ZB-5msi

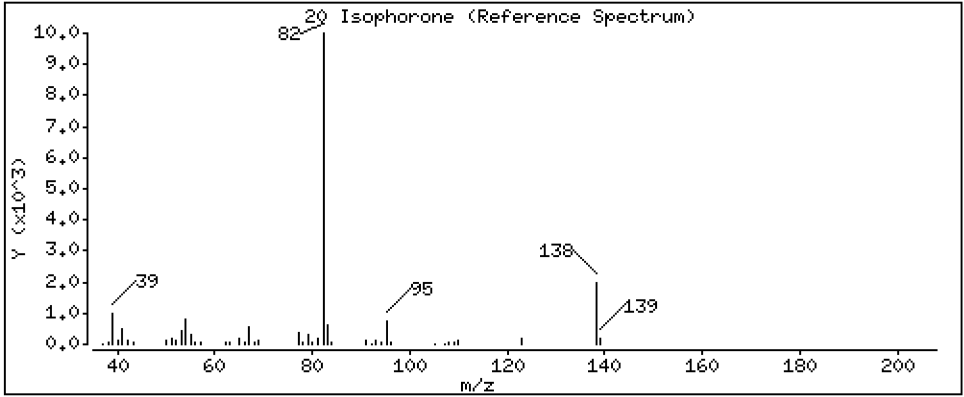
Column diameter: 0.25

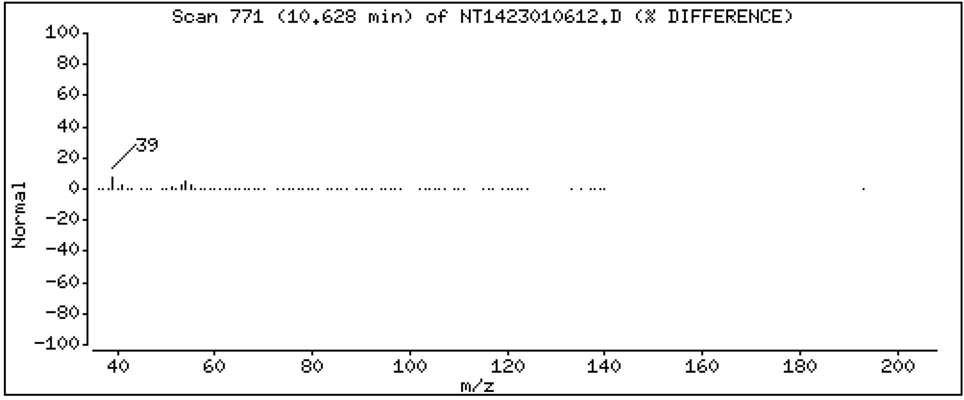
20 Isophorone

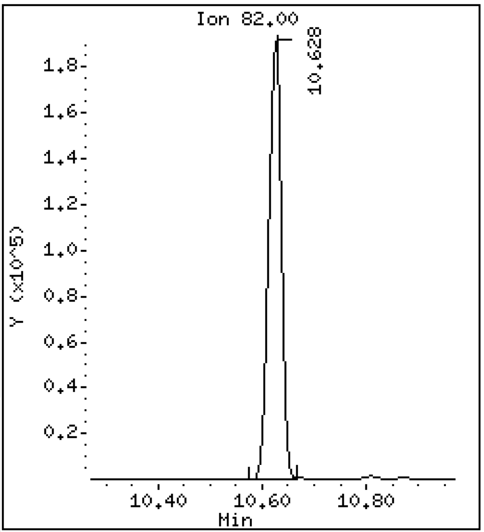
Concentration: 5.830 ug/mL

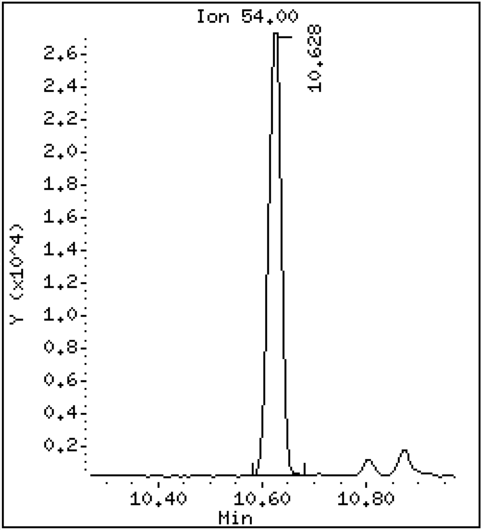

Scan 771 (10.628 min) of NT1423010612.D

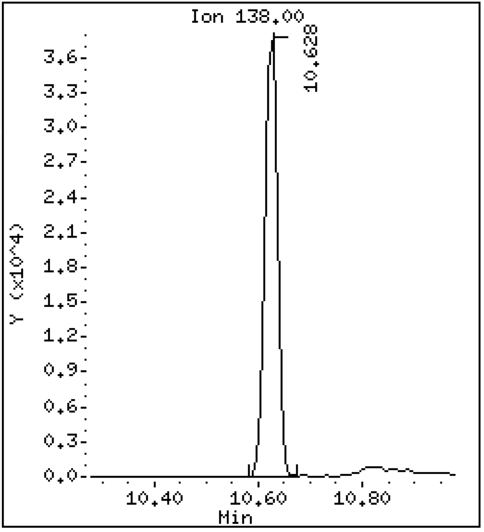

Scan 771 (10.628 min) of NT1423010612.D (Subtracted)


20 Isophorone (Reference Spectrum)


Scan 771 (10.628 min) of NT1423010612.D (% DIFFERENCE)


Ion 82.00


Ion 54.00


Ion 138.00

Date : 06-JAN-2023 18:14

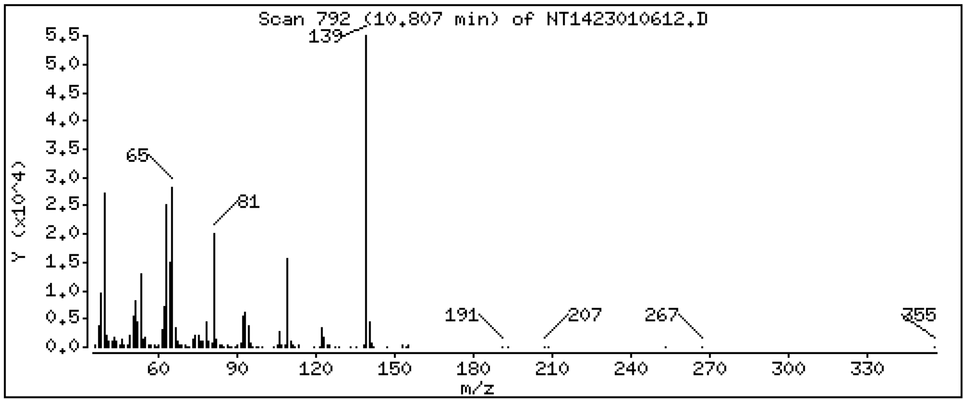
Client ID: Instrument: nt14.i

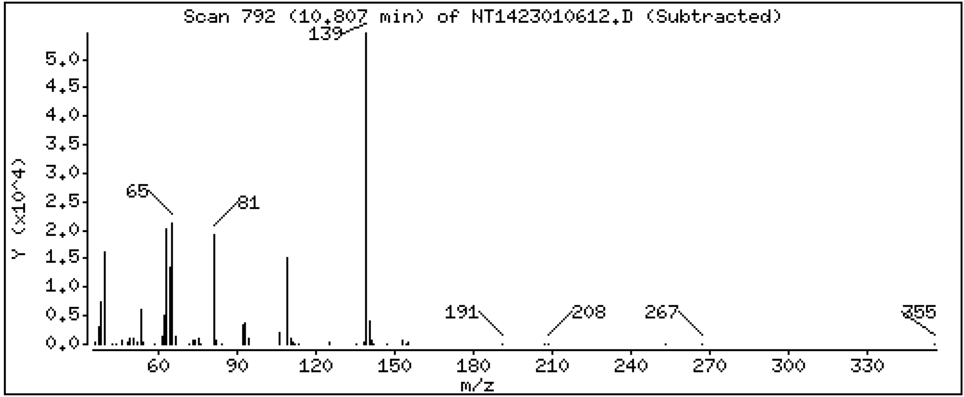
Sample Info: BKL0585-BS1

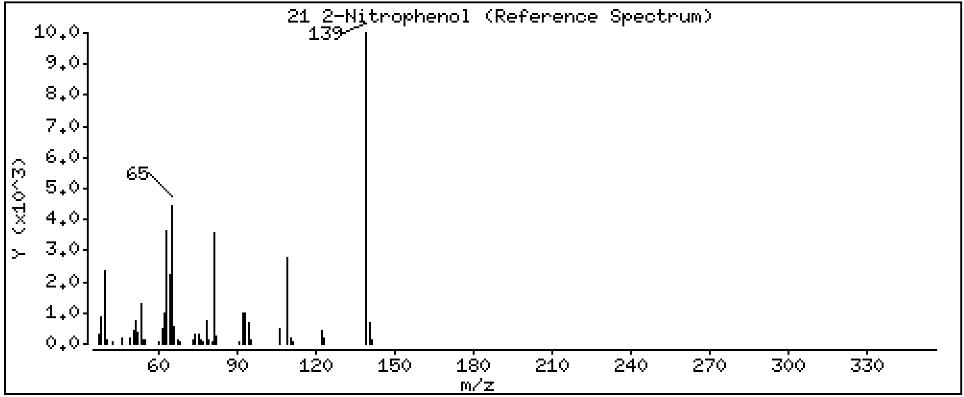
Operator: VTS

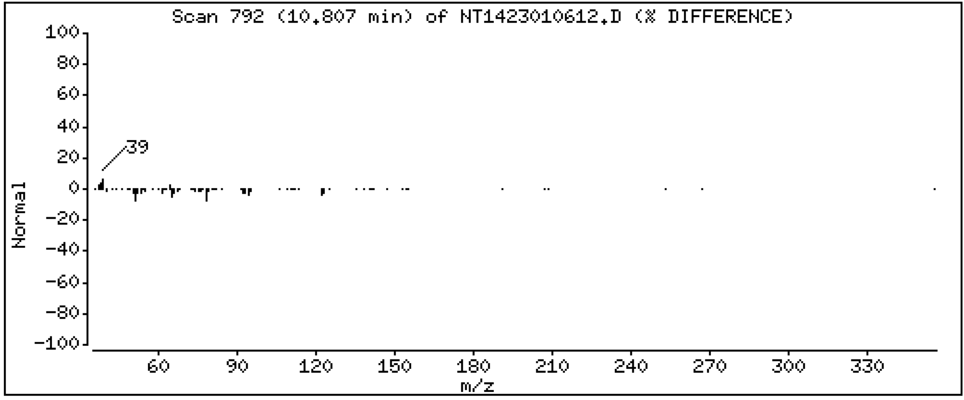
Column phase: ZB-5msi Column diameter: 0.25

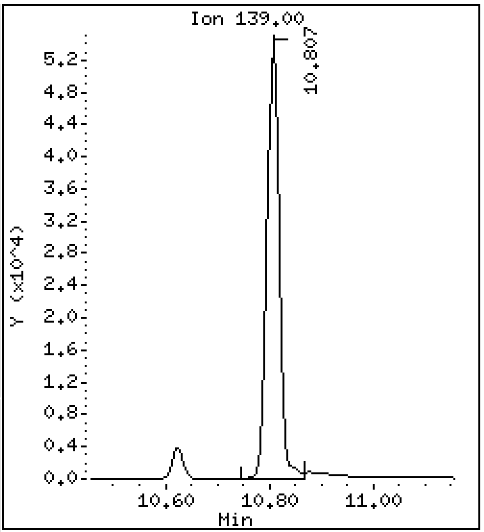
21 2-Nitrophenol Concentration: 3.635 ug/mL

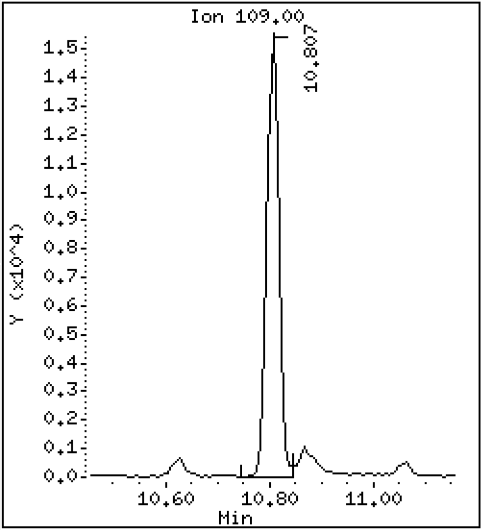


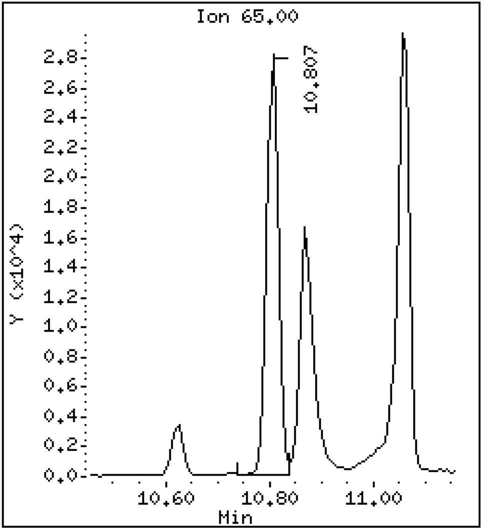












Data File: \\target\share\chem3\nt14.i\20230106.b\NT1423010612.D

Date : 06-JAN-2023 18:14

Client ID:

Instrument: nt14.i

Sample Info: BKL0585-BS1

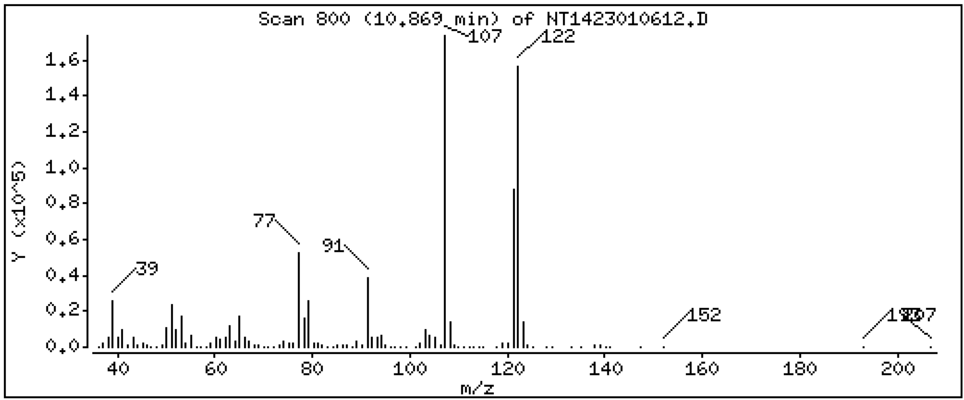
Operator: VTS

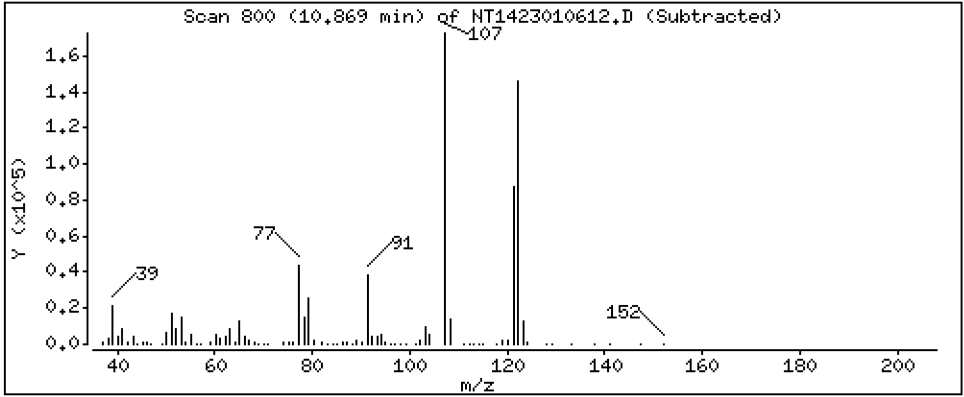
Column phase: ZB-5msi

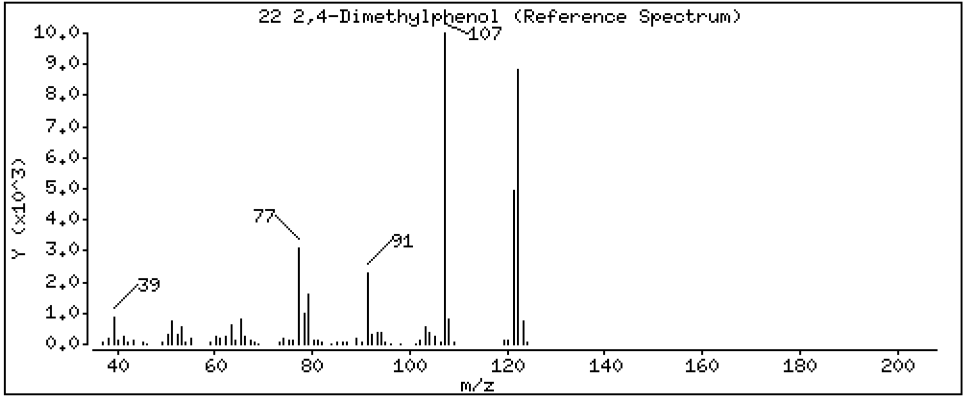
Column diameter: 0.25

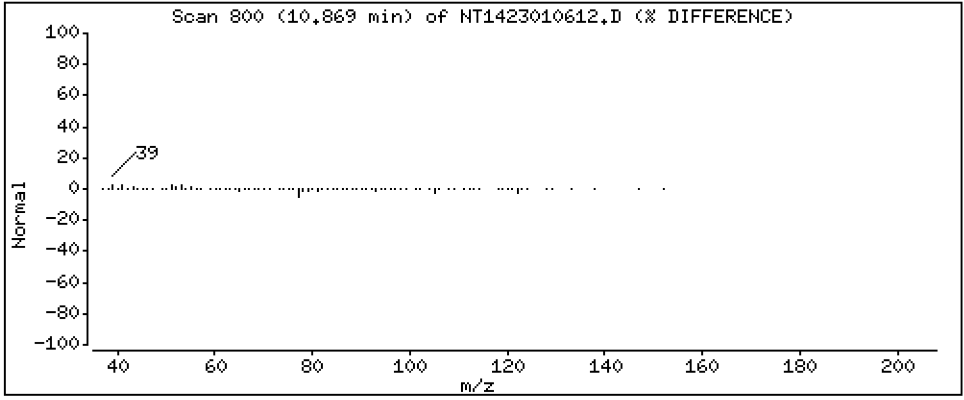
22 2,4-Dimethylphenol

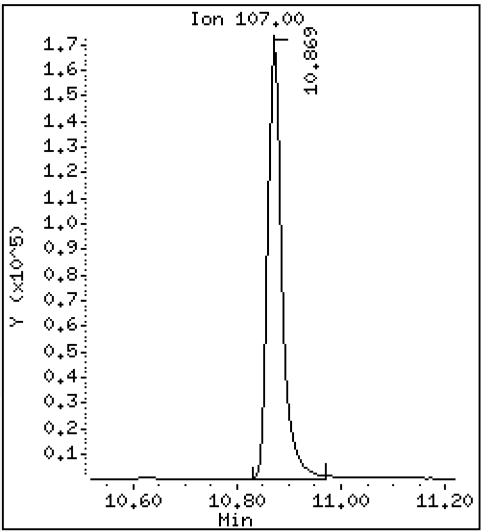
Concentration: 7.077 ug/mL

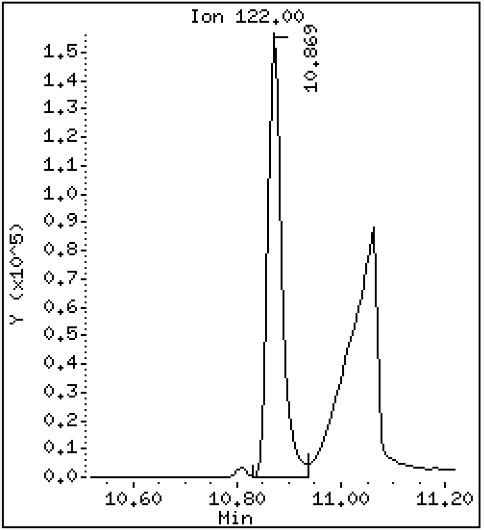


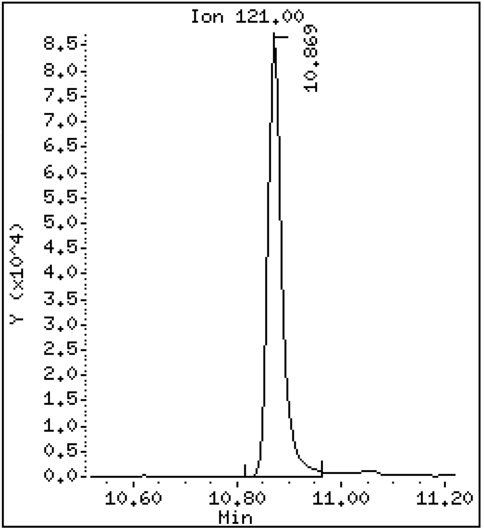












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Date : 06-JAN-2023 18:14

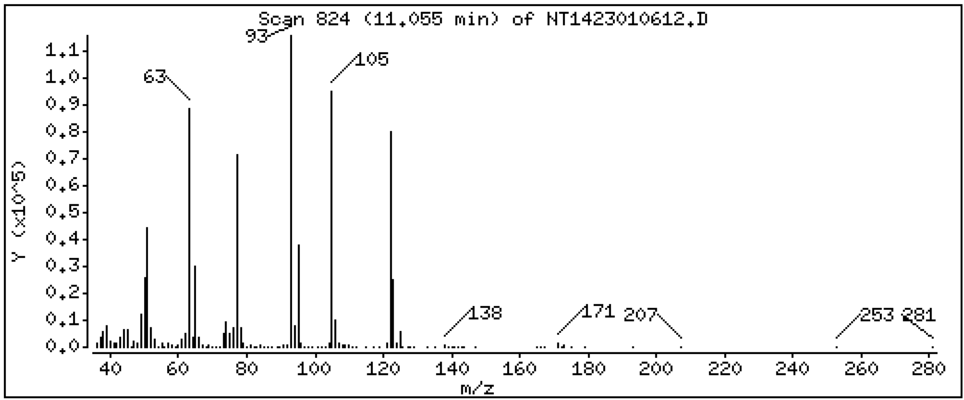
Client ID: Instrument: nt14.i

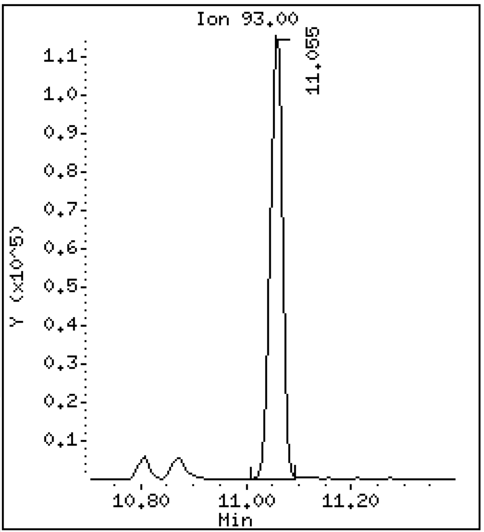
Sample Info: BKL0585-BS1

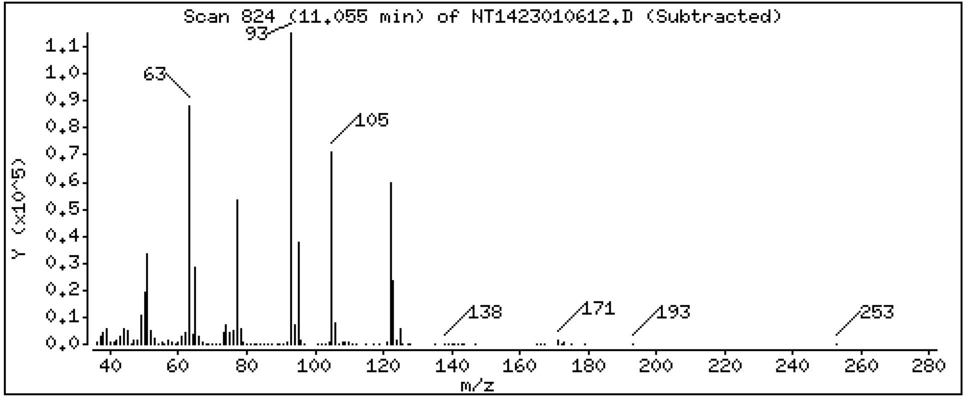
Operator: VTS

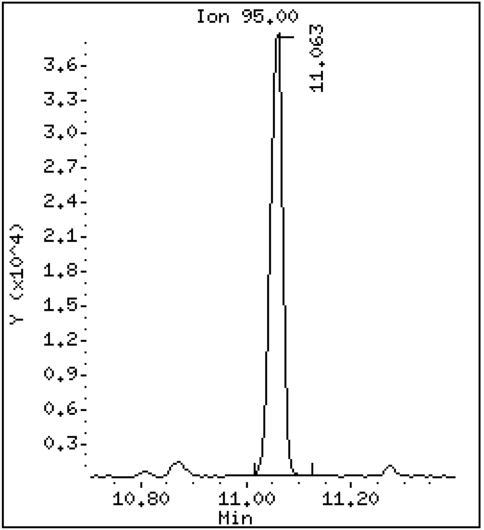
Column phase: ZB-5msi Column diameter: 0.25

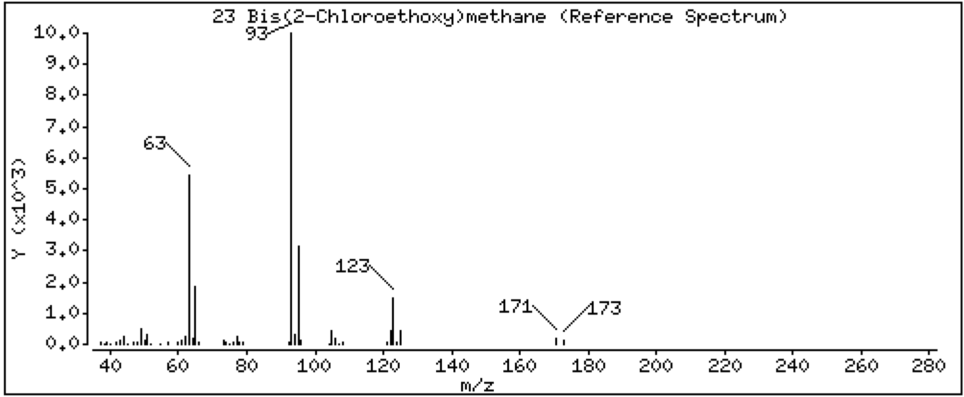
23 Bis(2-Chloroethoxy)methane Concentration: 4.303 ug/mL

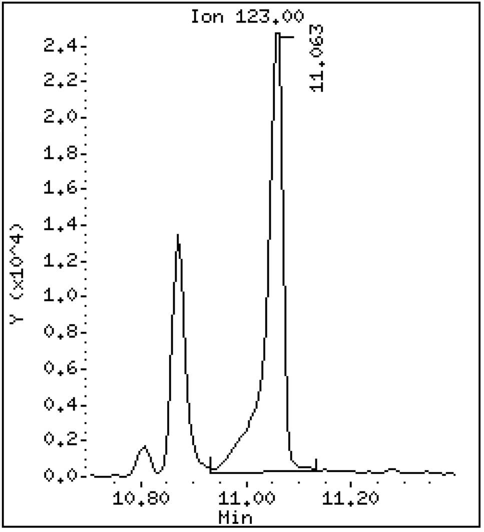


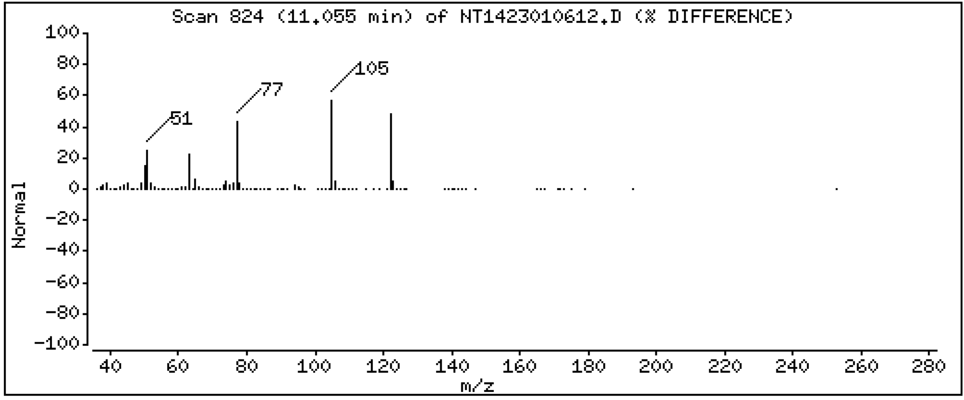












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Date : 06-JAN-2023 18:14

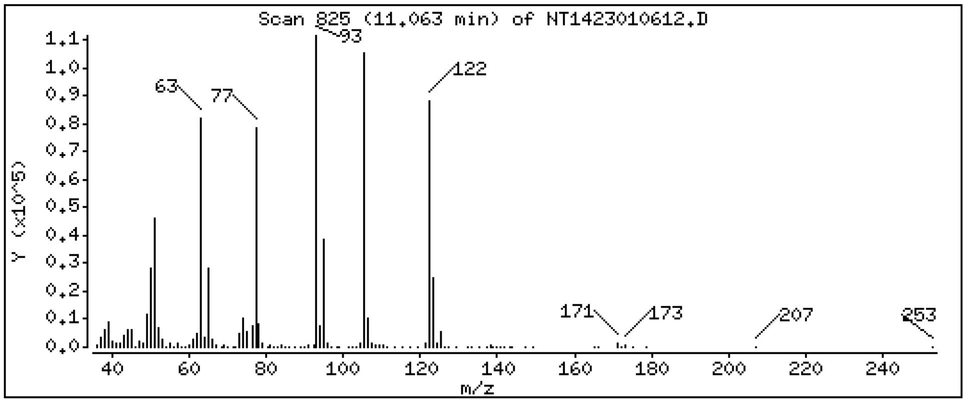
Client ID: Instrument: nt14.i

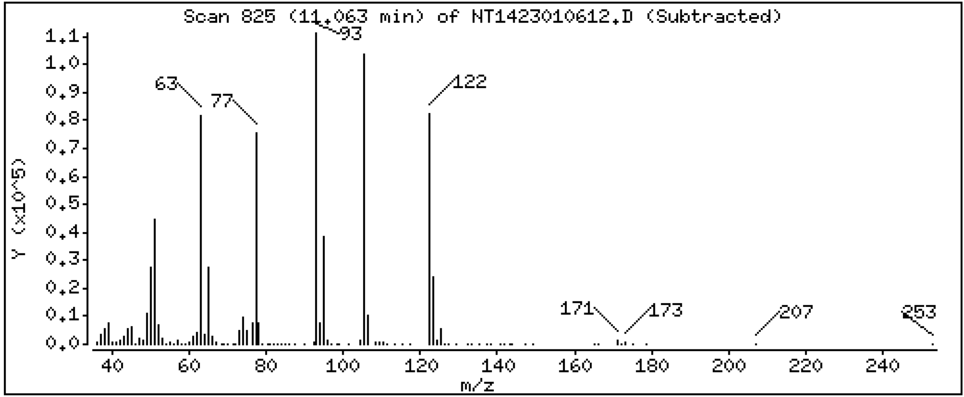
Sample Info: BKL0585-BS1

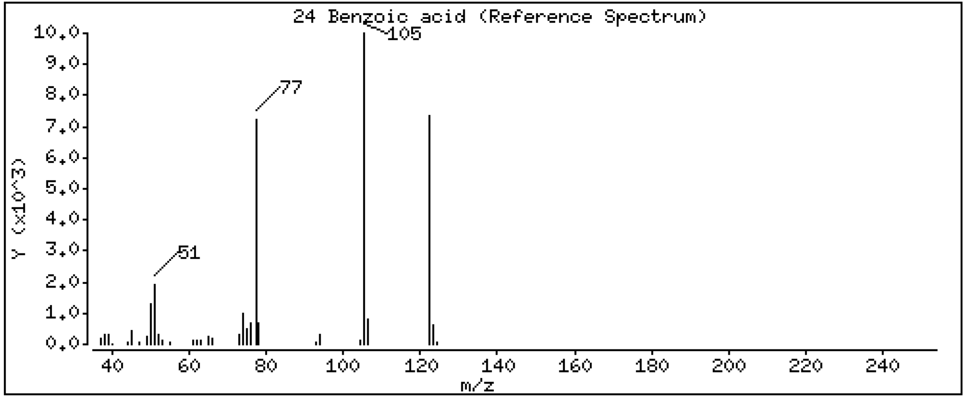
Operator: VTS

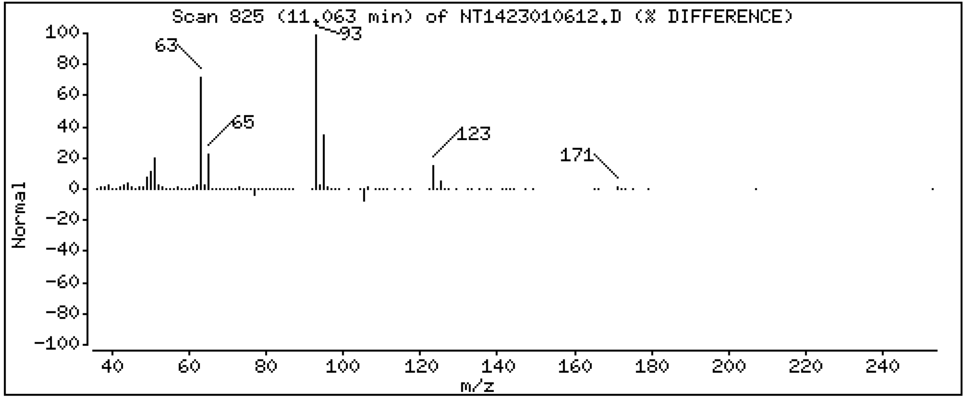
Column phase: ZB-5msi Column diameter: 0.25

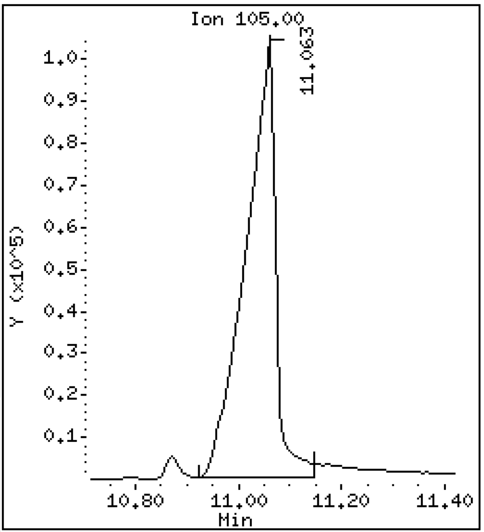
24 Benzoic acid Concentration: 15.13 ug/mL

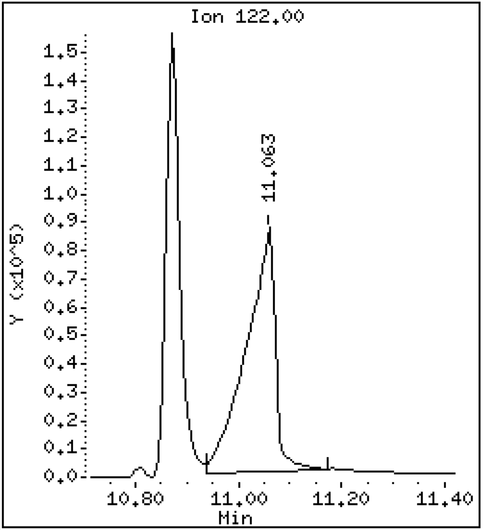

Scan 825 (11.063 min) of NT1423010612.D


Scan 825 (11.063 min) of NT1423010612.D (Subtracted)


24 Benzoic acid (Reference Spectrum)


Scan 825 (11.063 min) of NT1423010612.D (% DIFFERENCE)


Ion 105.00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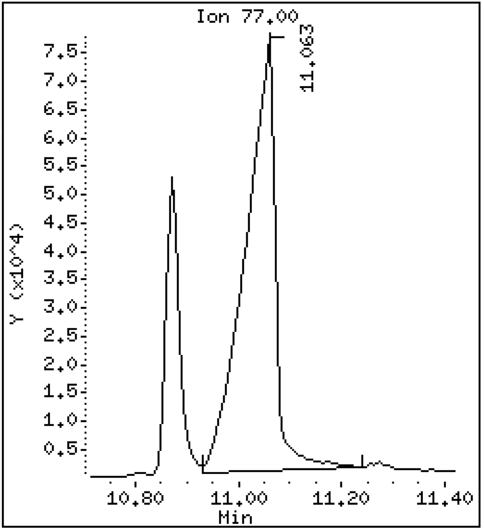
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Data File: \\target\share\chem3\nt14.i\20230106.b\NT1423010612.D

Date : 06-JAN-2023 18:14

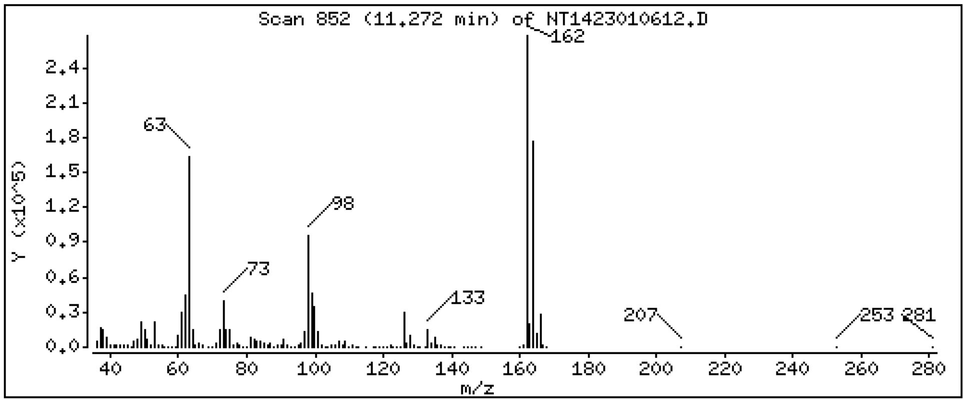
Client ID: Instrument: nt14.i

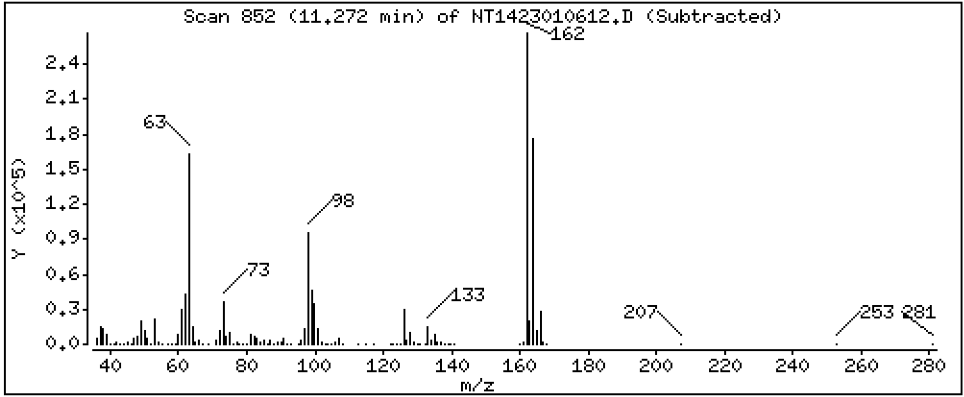
Sample Info: BKL0585-BS1

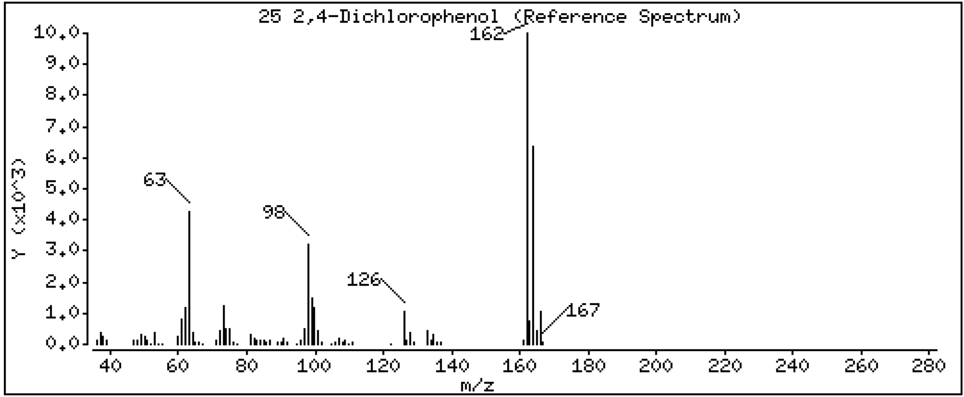
Operator: VTS

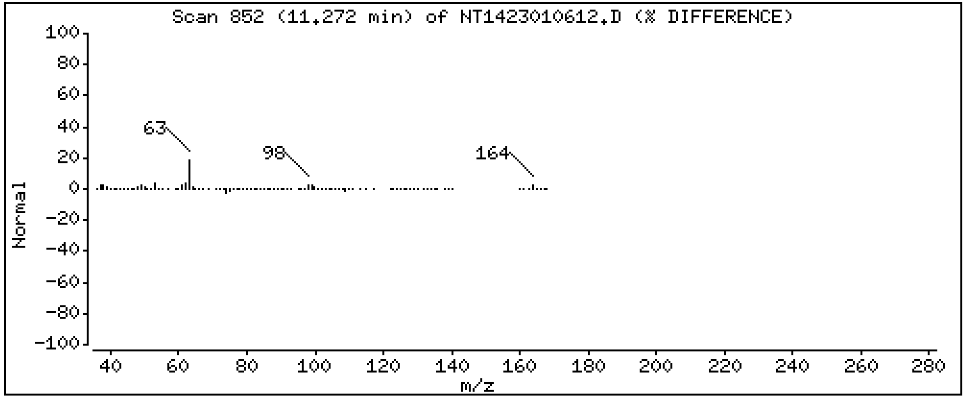
Column phase: ZB-5msi Column diameter: 0.25

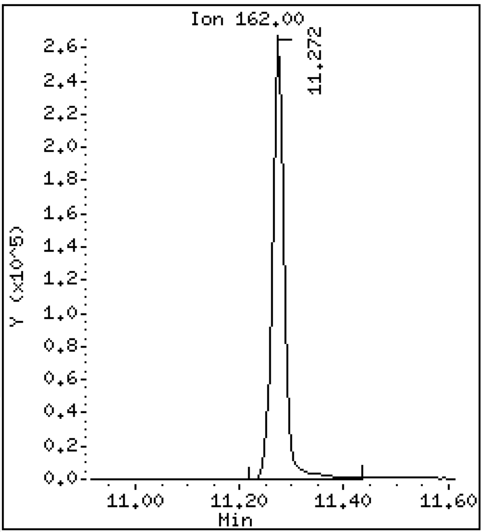
25 2,4-Dichlorophenol Concentration: 12.57 ug/mL

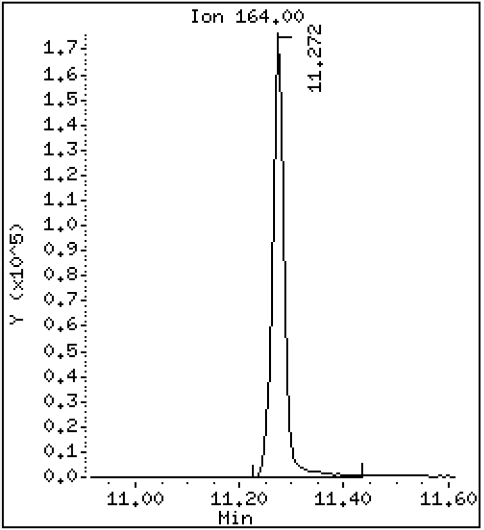


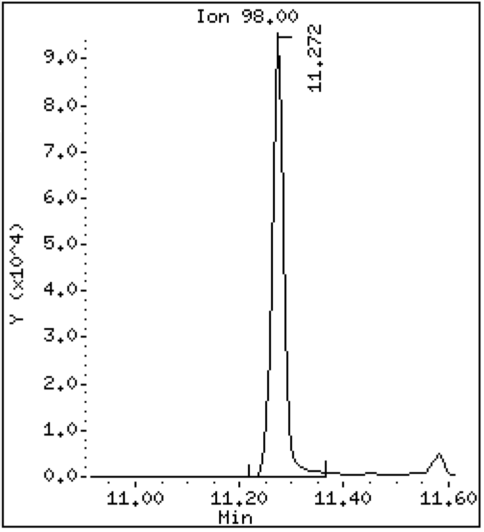












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Date : 06-JAN-2023 18:14

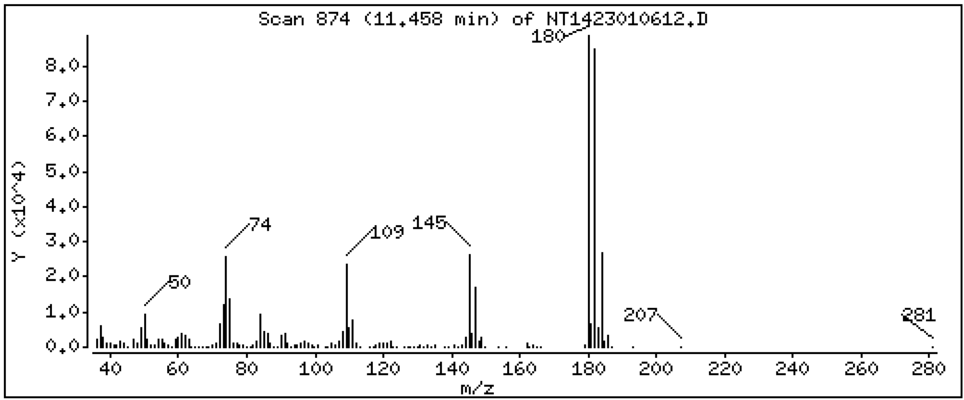
Client ID: Instrument: nt14.i

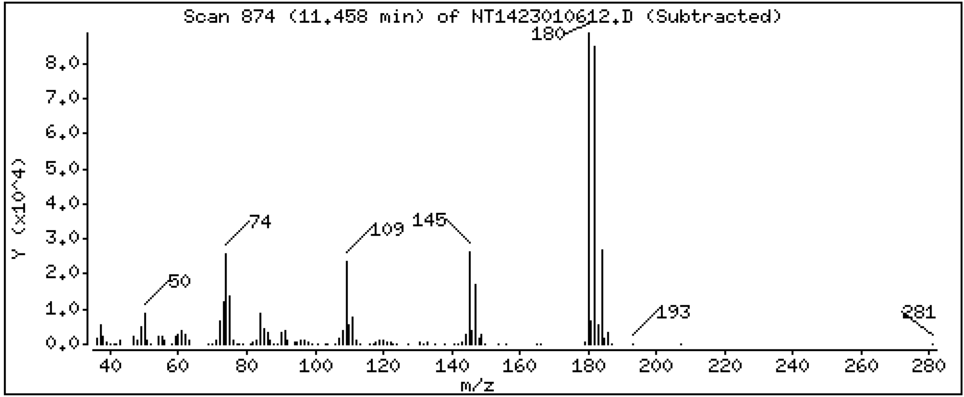
Sample Info: BKL0585-BS1

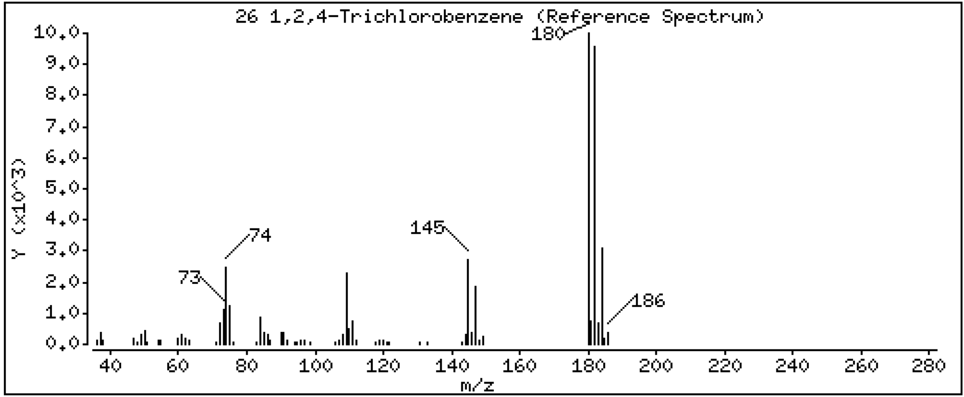
Operator: VTS

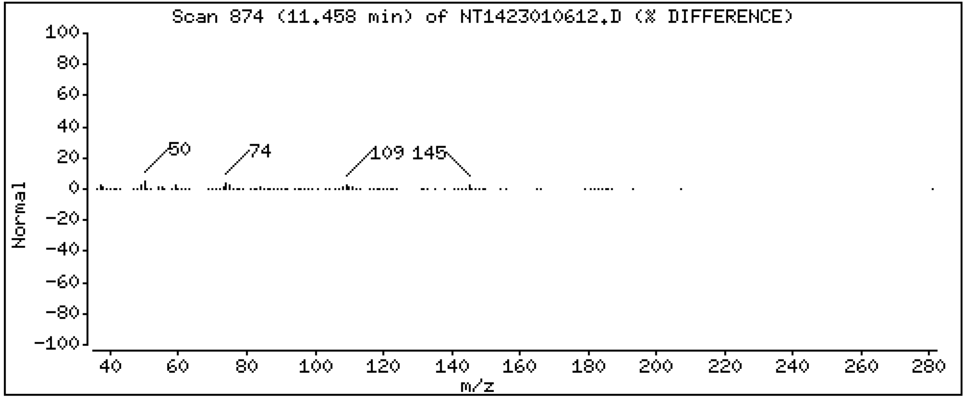
Column phase: ZB-5msi Column diameter: 0.25

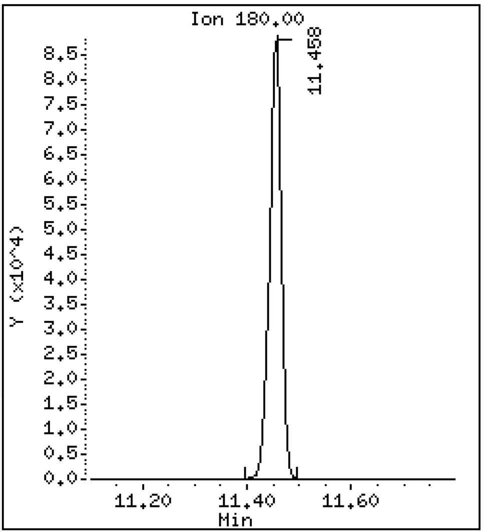
26 1,2,4-Trichlorobenzene Concentration: 4.120 ug/mL

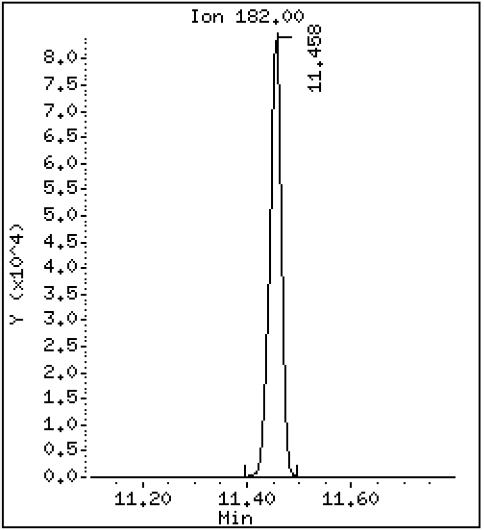

Scan 874 (11.458 min) of NT1423010612.D

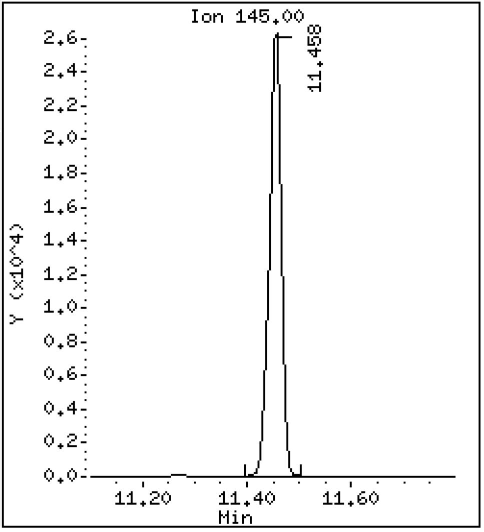

Scan 874 (11.458 min) of NT1423010612.D (Subtracted)


26 1,2,4-Trichlorobenzene (Reference Spectrum)


Scan 874 (11.458 min) of NT1423010612.D (% DIFFERENCE)


Ion 180.00


Ion 182.00


Ion 145.00

Data File: \\target\share\chem3\nt14.i\20230106.b\NT1423010612.D

Date : 06-JAN-2023 18:14

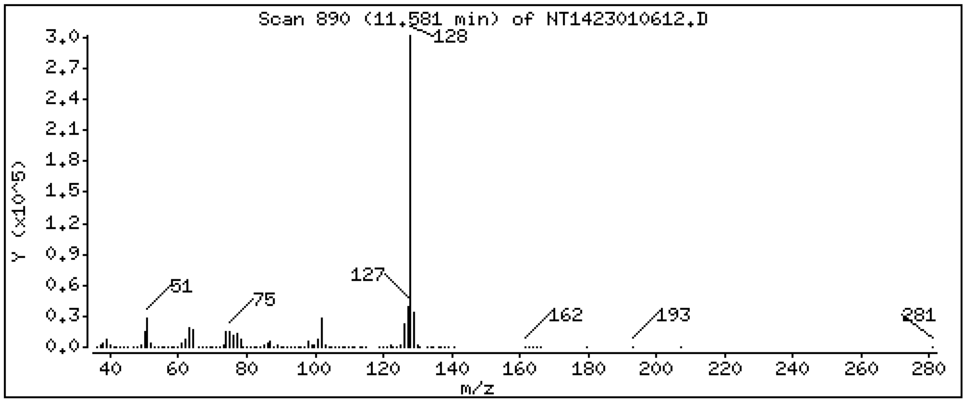
Client ID: Instrument: nt14.i

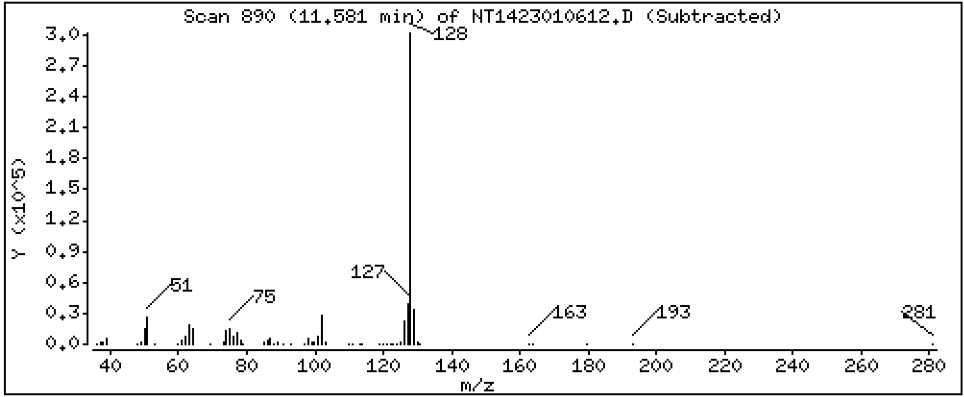
Sample Info: BKL0585-BS1

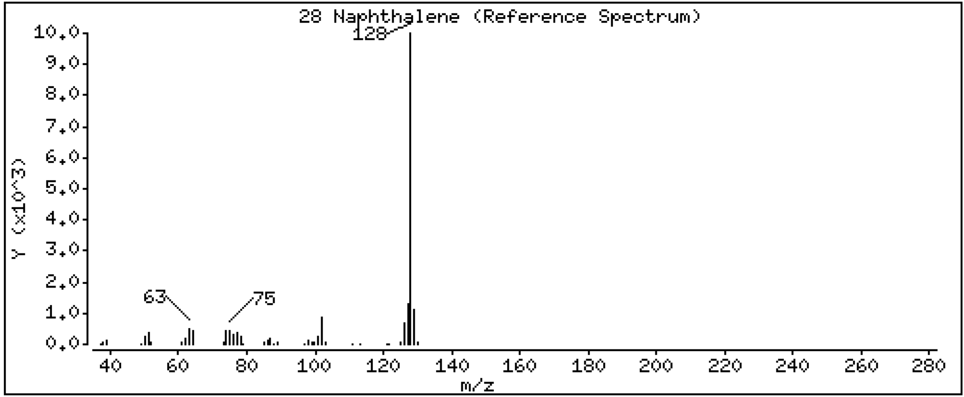
Operator: VTS

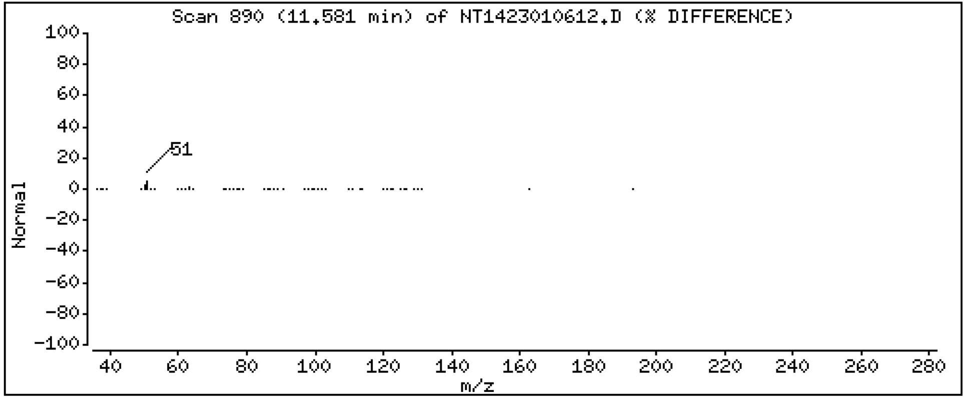
Column phase: ZB-5msi Column diameter: 0.25

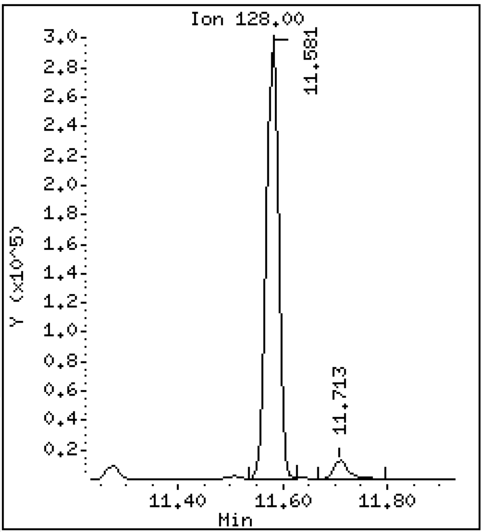
28 Naphthalene Concentration: 3.697 ug/mL

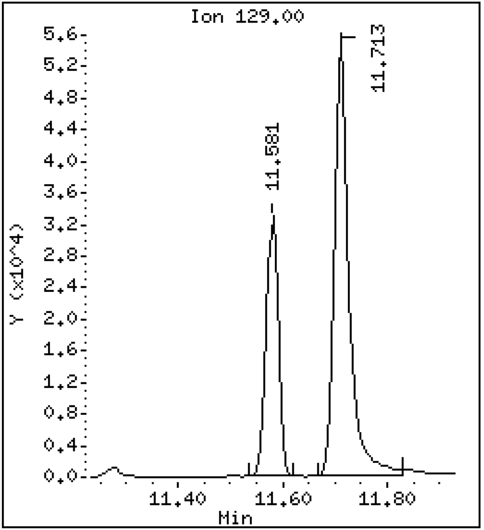

Scan 890 (11.581 min) of NT1423010612.D


Scan 890 (11.581 min) of NT1423010612.D (Subtracted)


28 Naphthalene (Reference Spectrum)


Scan 890 (11.581 min) of NT1423010612.D (% DIFFERENCE)


Ion 128.00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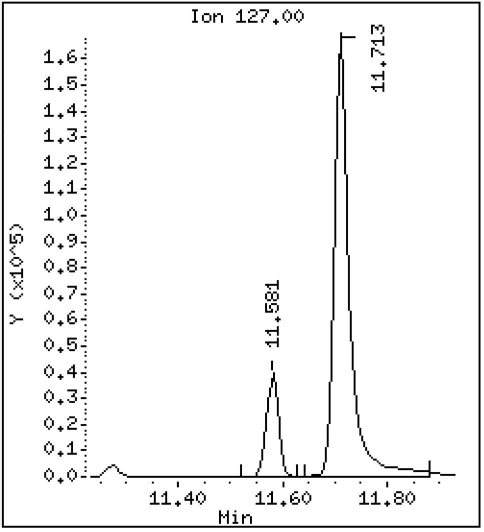

Ion 127.00

Data File: \\target\share\chem3\nt14.i\20230106.b\NT1423010612.D

Date : 06-JAN-2023 18:14

Client ID:

Instrument: nt14.i

Sample Info: BKL0585-BS1

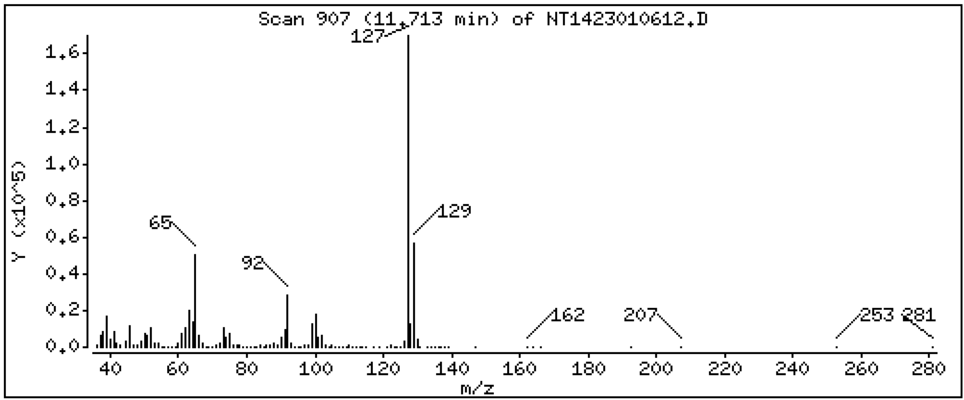
Operator: VTS

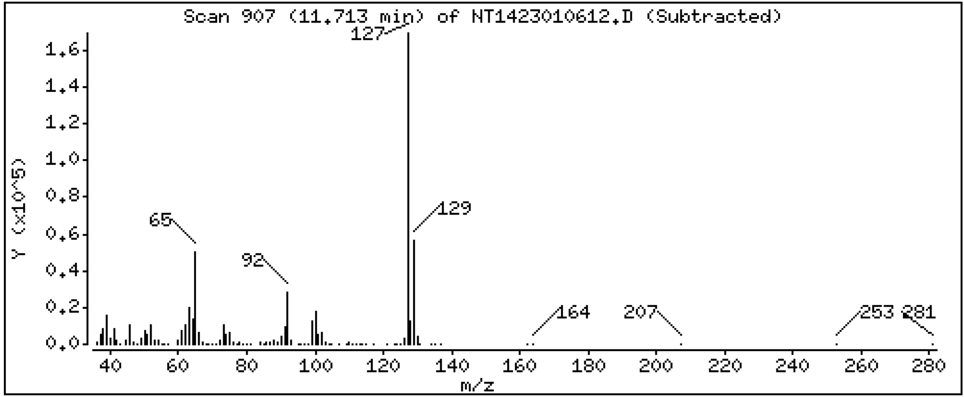
Column phase: ZB-5msi

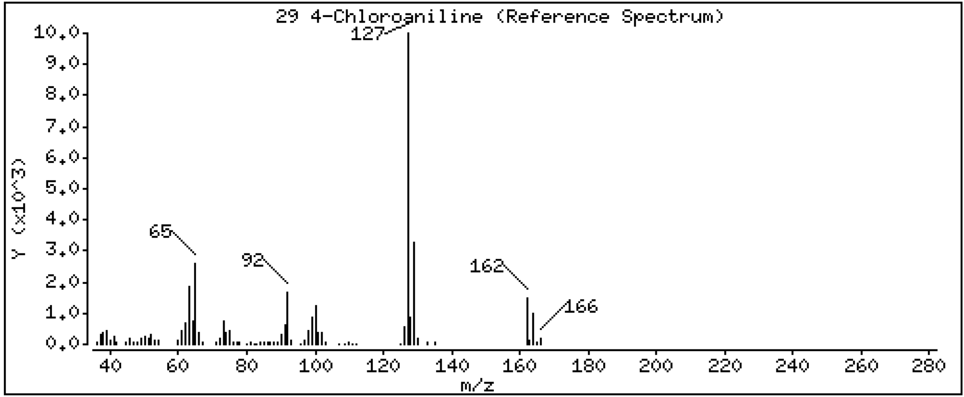
Column diameter: 0.25

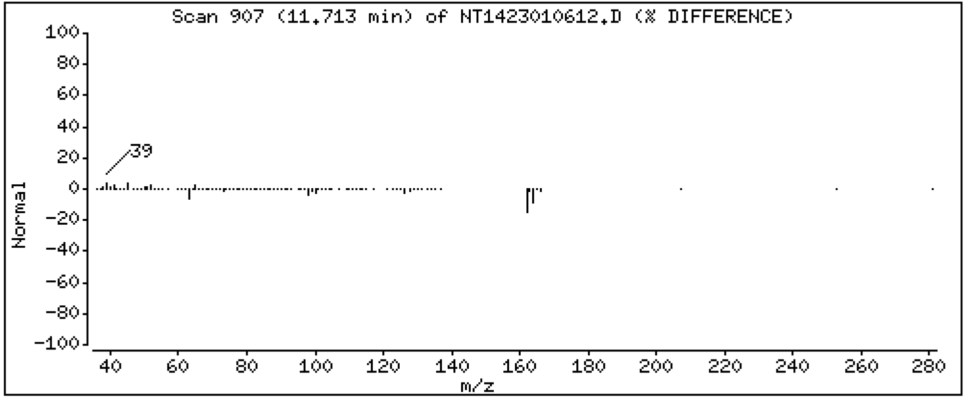
29 4-Chloroaniline

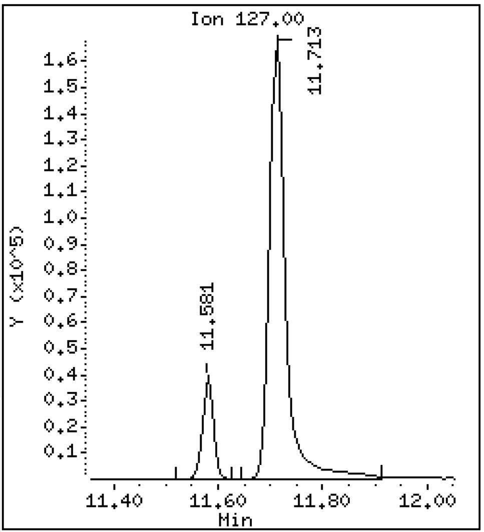
Concentration: 7.222 ug/mL


Scan 907 (11.713 min) of NT1423010612.D


Scan 907 (11.713 min) of NT1423010612.D (Subtracted)


29 4-Chloroaniline (Reference Spectrum)


Scan 907 (11.713 min) of NT1423010612.D (% DIFFERENCE)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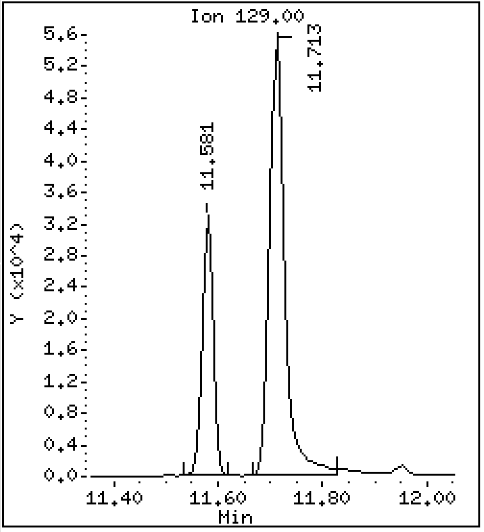

Ion 129.00

Data File: \\target\share\chem3\nt14.i\20230106.b\NT1423010612.D

Date : 06-JAN-2023 18:14

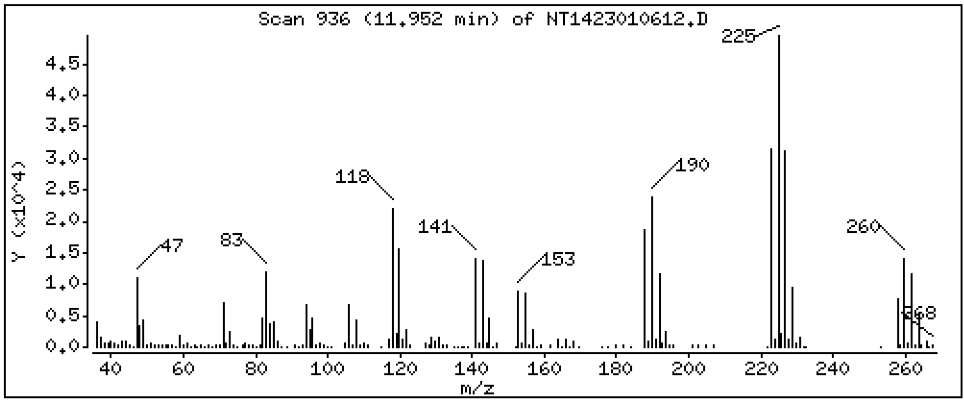
Client ID: Instrument: nt14.i

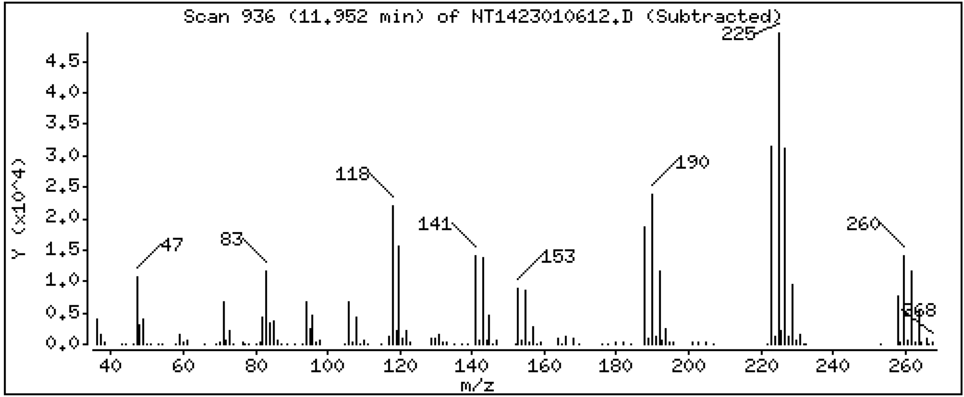
Sample Info: BKL0585-BS1

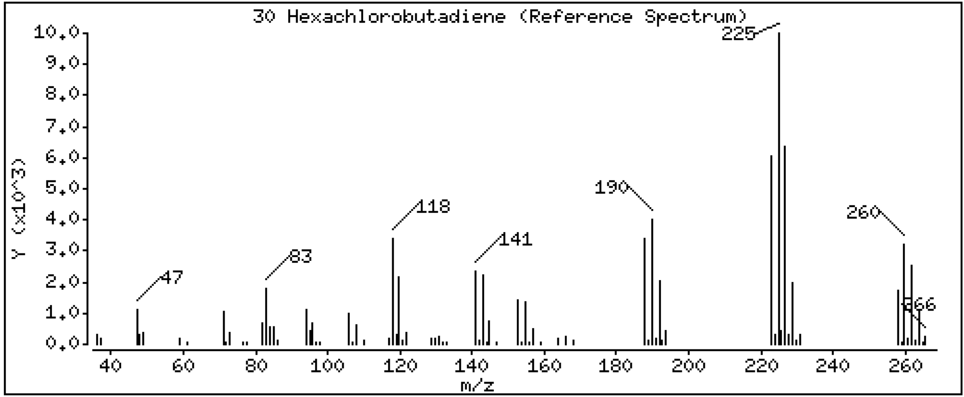
Operator: VTS

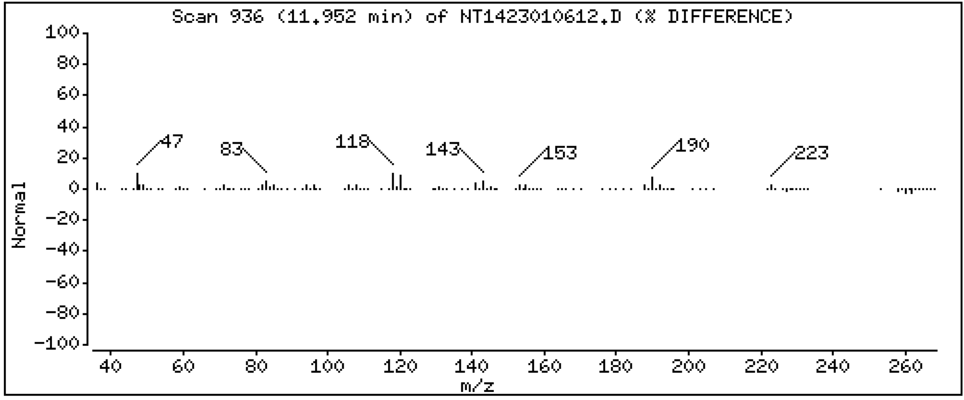
Column phase: ZB-5msi Column diameter: 0.25

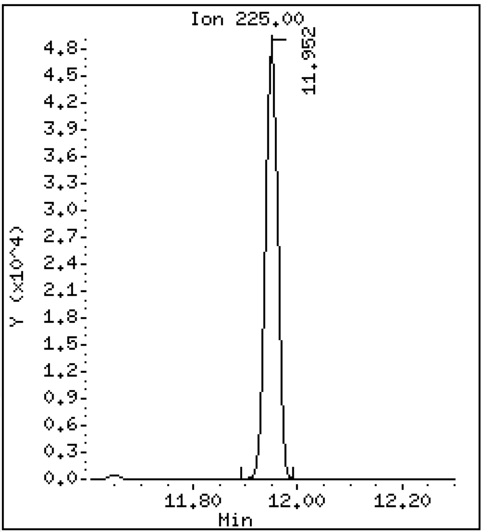
30 Hexachlorobutadiene Concentration: 4.487 ug/mL

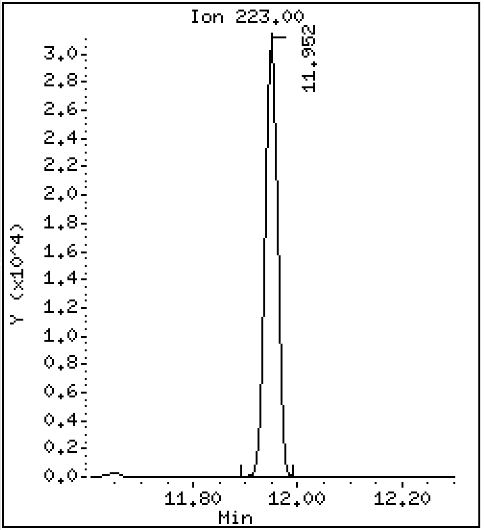

Scan 936 (11.952 min) of NT1423010612.D

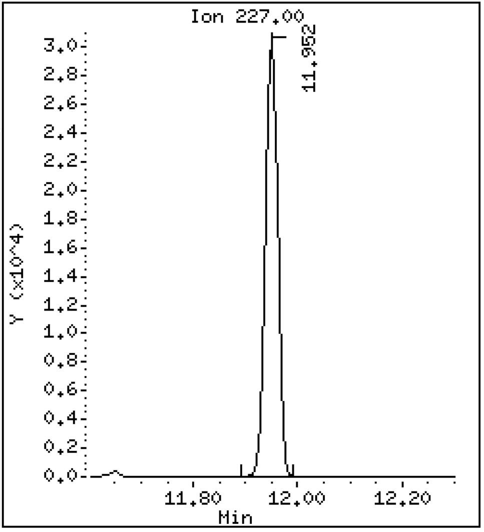

Scan 936 (11.952 min) of NT1423010612.D (Subtracted)


30 Hexachlorobutadiene (Reference Spectrum)


Scan 936 (11.952 min) of NT1423010612.D (% DIFFERENCE)


Ion 225.00


Ion 223.00


Ion 227.00

Data File: \\target\share\chem3\nt14.i\20230106.b\NT1423010612.D

Date : 06-JAN-2023 18:14

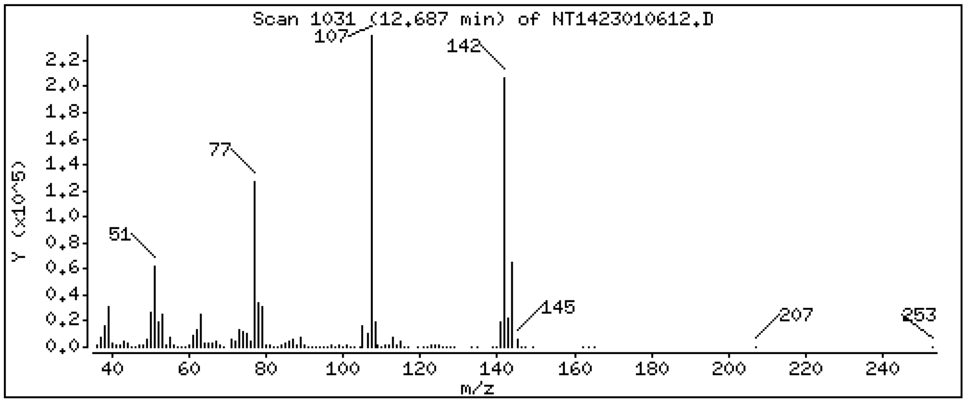
Client ID: Instrument: nt14.i

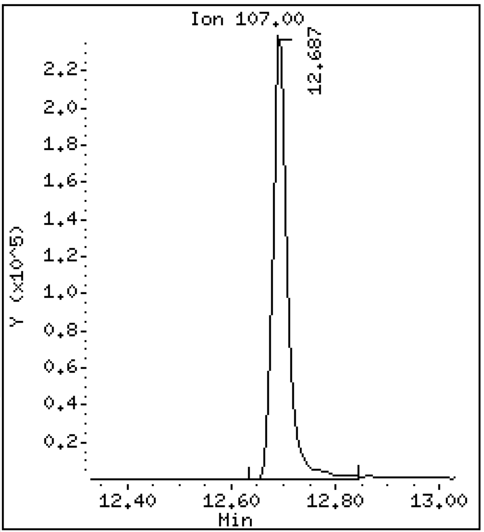
Sample Info: BKL0585-BS1

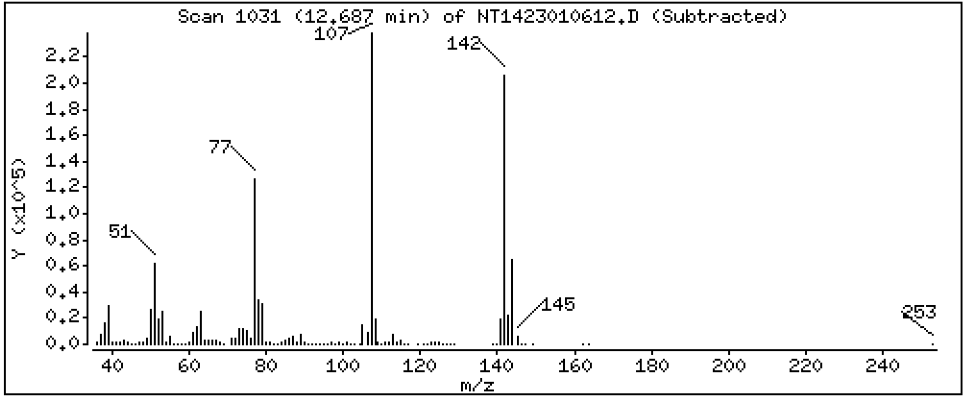
Operator: VTS

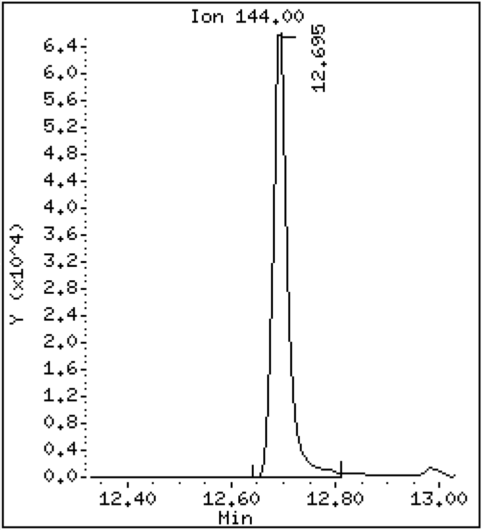
Column phase: ZB-5msi Column diameter: 0.25

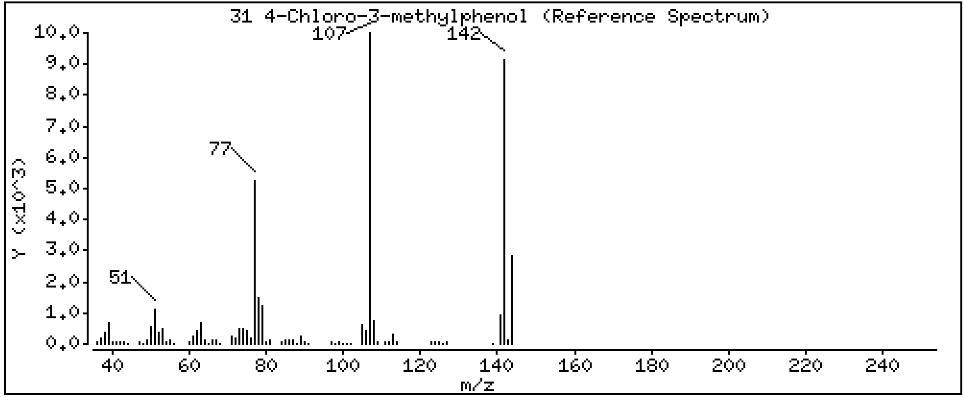
31 4-Chloro-3-methylphenol Concentration: 13.57 ug/mL

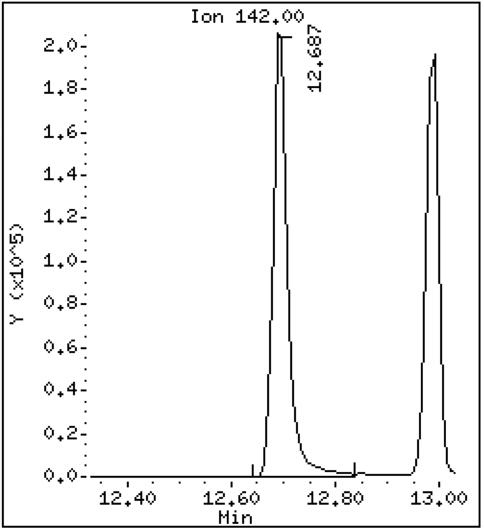


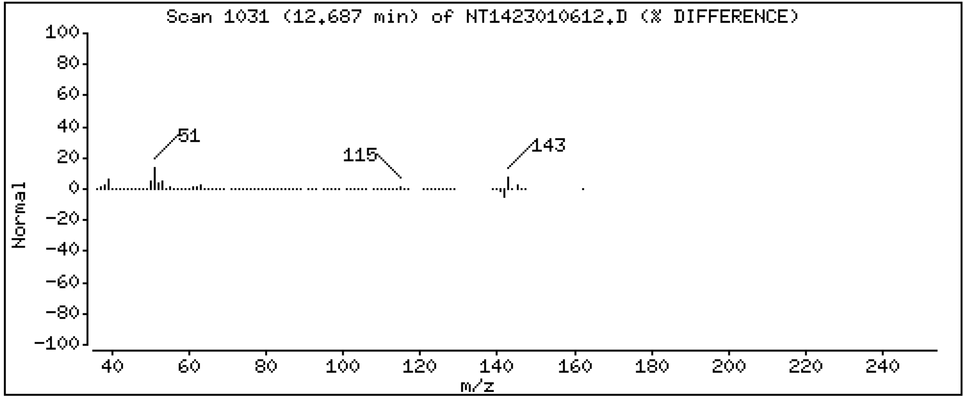












Data File: \\target\share\chem3\nt14.i\20230106.b\NT1423010612.D

Date : 06-JAN-2023 18:14

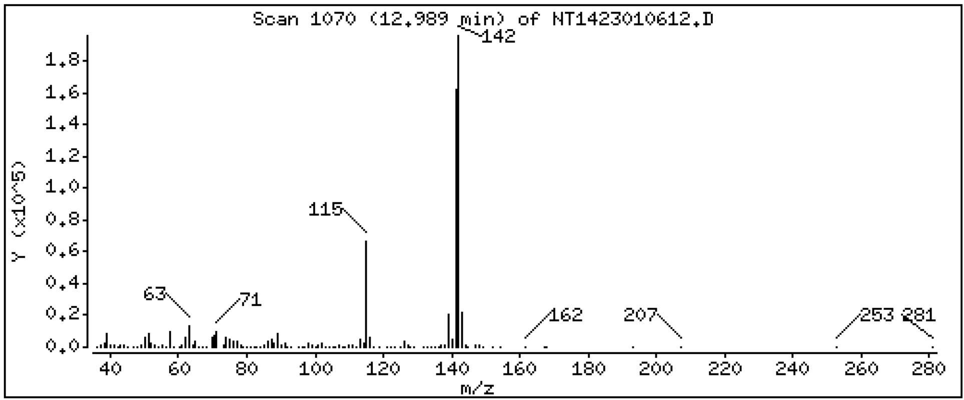
Client ID: Instrument: nt14.i

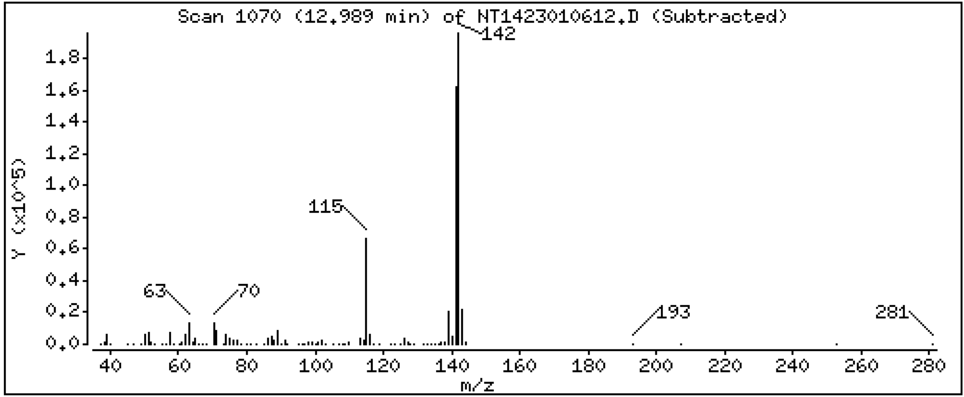
Sample Info: BKL0585-BS1

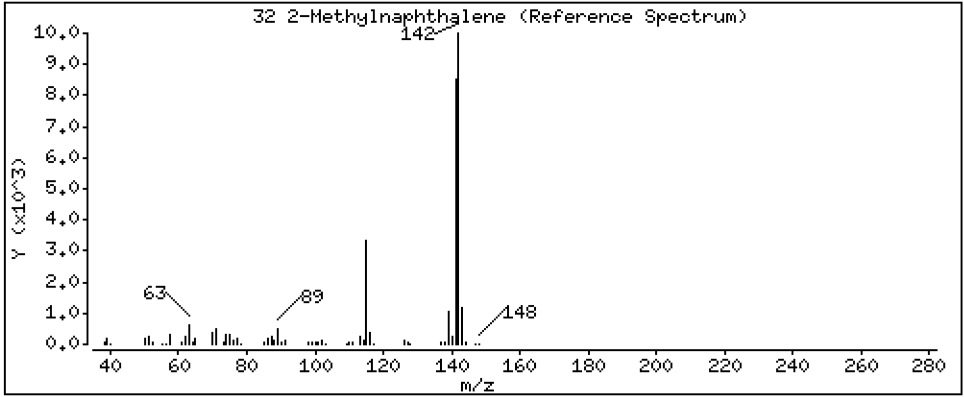
Operator: VTS

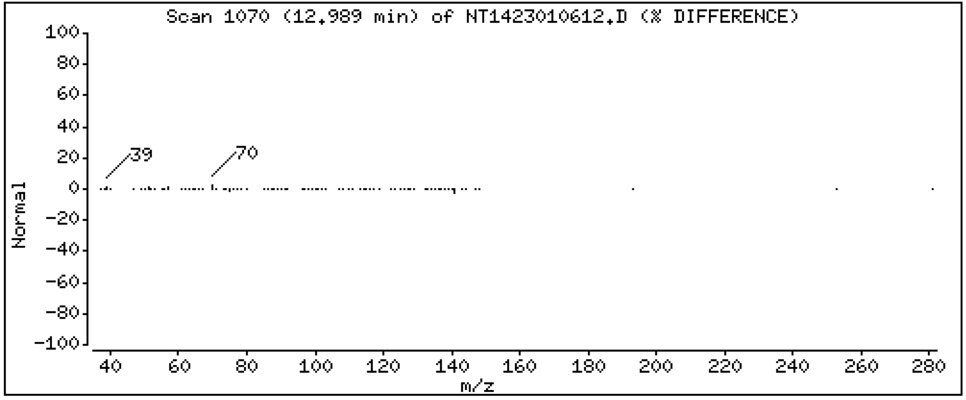
Column phase: ZB-5msi Column diameter: 0.25

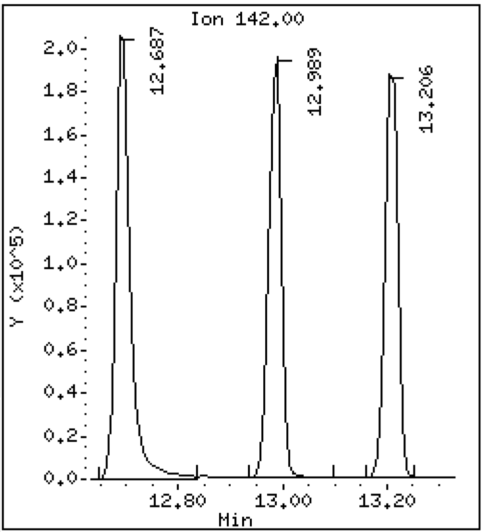
32 2-Methylnaphthalene Concentration: 3.500 ug/mL

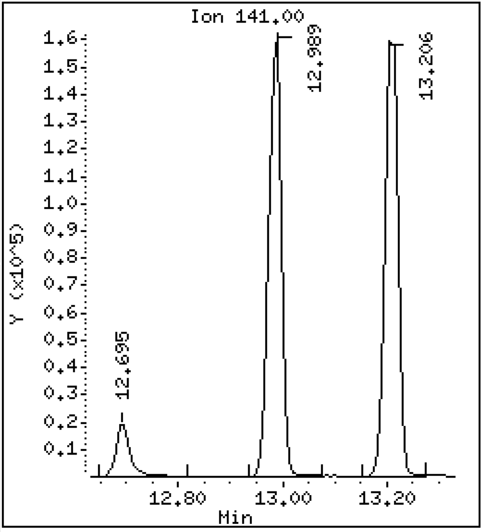

Scan 1070 (12.989 min) of NT1423010612.D


Scan 1070 (12.989 min) of NT1423010612.D (Subtracted)


32 2-Methylnaphthalene (Reference Spectrum)


Scan 1070 (12.989 min) of NT1423010612.D (% DIFFERENCE)


Ion 142.00


Ion 141.00

Data File: \\target\share\chem3\nt14.i\20230106.b\NT1423010612.D

Date : 06-JAN-2023 18:14

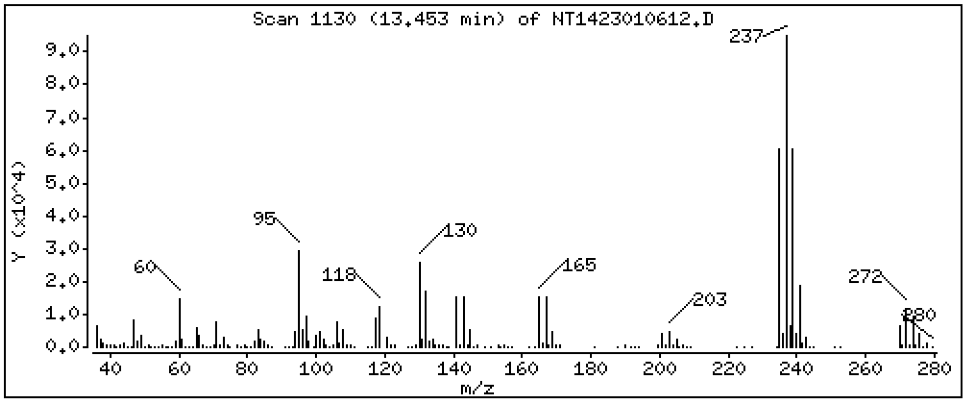
Client ID: Instrument: nt14.i

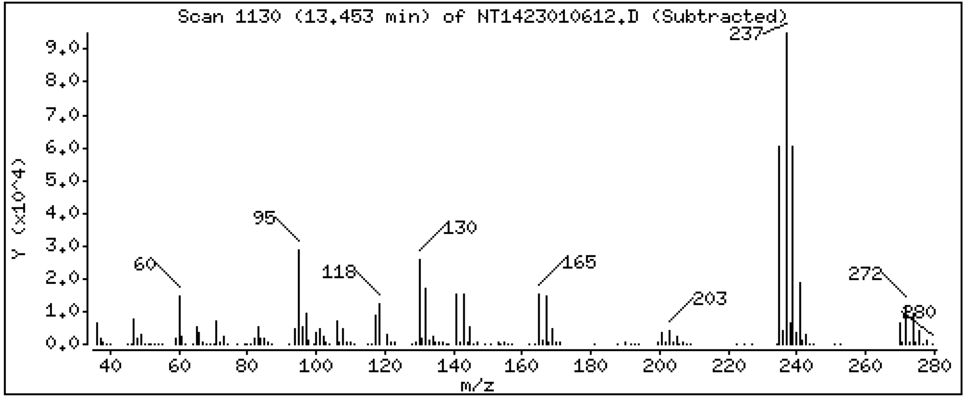
Sample Info: BKL0585-BS1

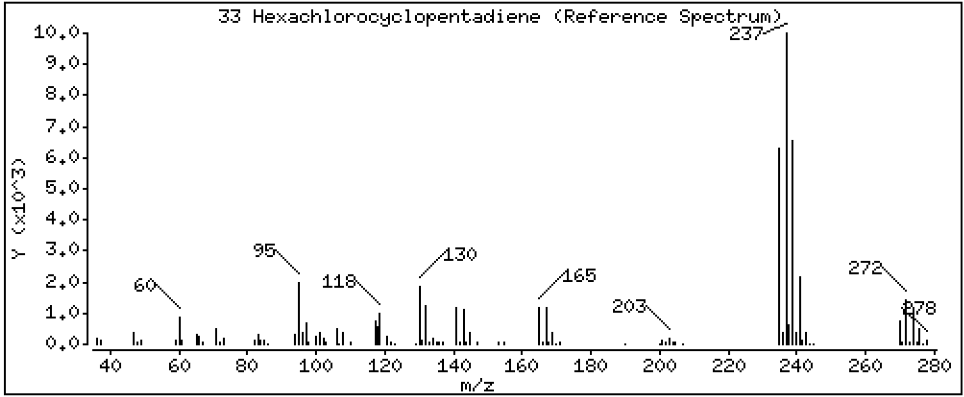
Operator: VTS

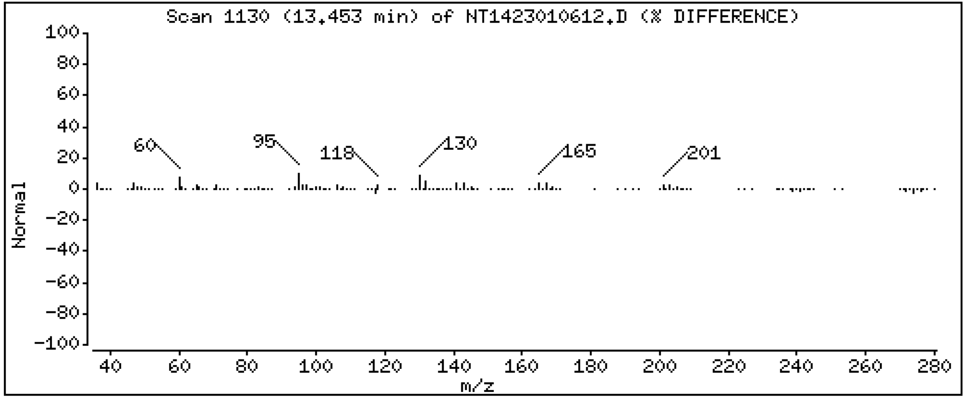
Column phase: ZB-5msi Column diameter: 0.25

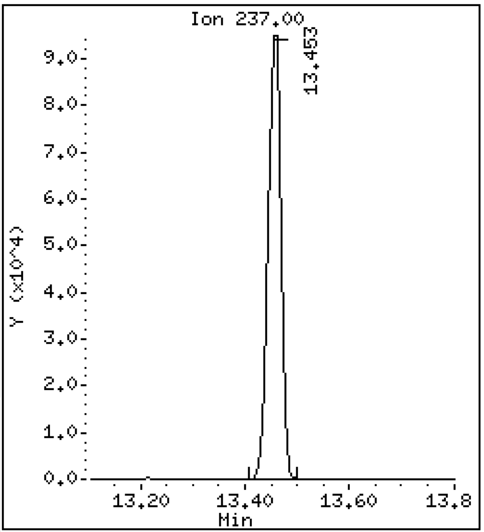
33 Hexachlorocyclopentadiene Concentration: 8.567 ug/mL

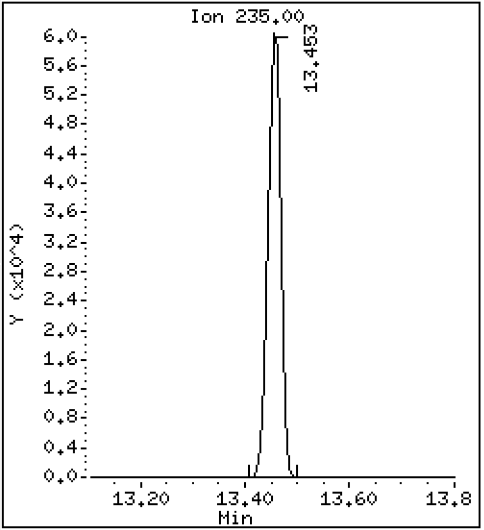

Scan 1130 (13.453 min) of NT1423010612.D

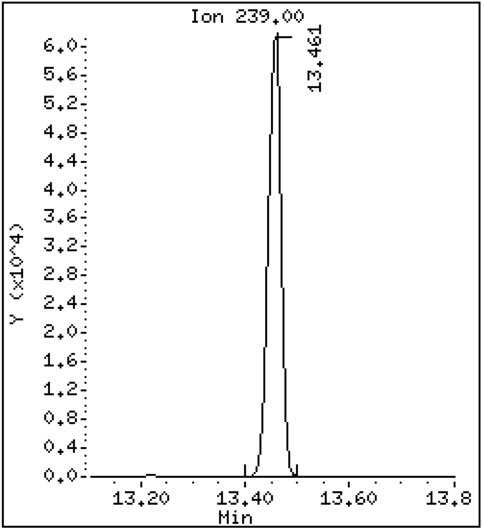

Scan 1130 (13.453 min) of NT1423010612.D (Subtracted)


33 Hexachlorocyclopentadiene (Reference Spectrum)


Scan 1130 (13.453 min) of NT1423010612.D (% DIFFERENCE)


Ion 237.00


Ion 235.00


Ion 239.00

Data File: \\target\share\chem3\nt14.i\20230106.b\NT1423010612.D

Date : 06-JAN-2023 18:14

Client ID:

Instrument: nt14.i

Sample Info: BKL0585-BS1

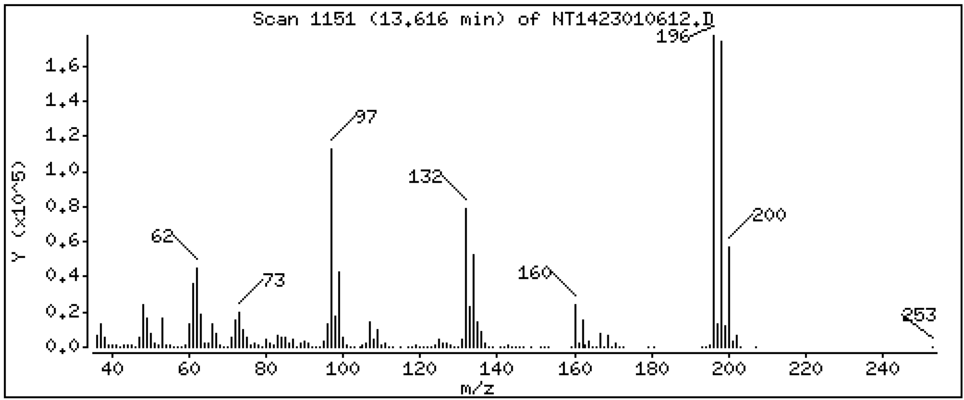
Operator: VTS

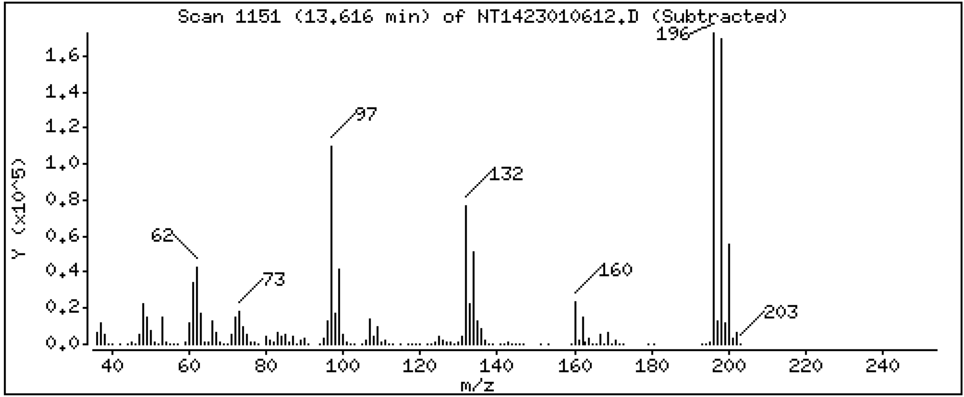
Column phase: ZB-5msi

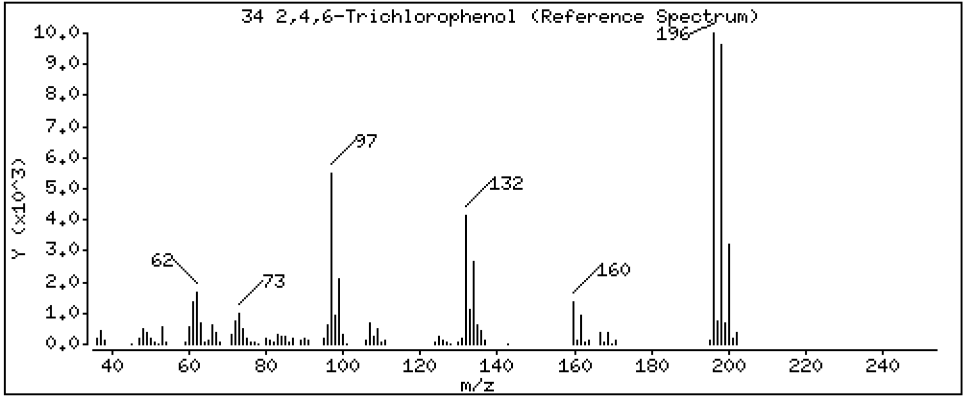
Column diameter: 0.25

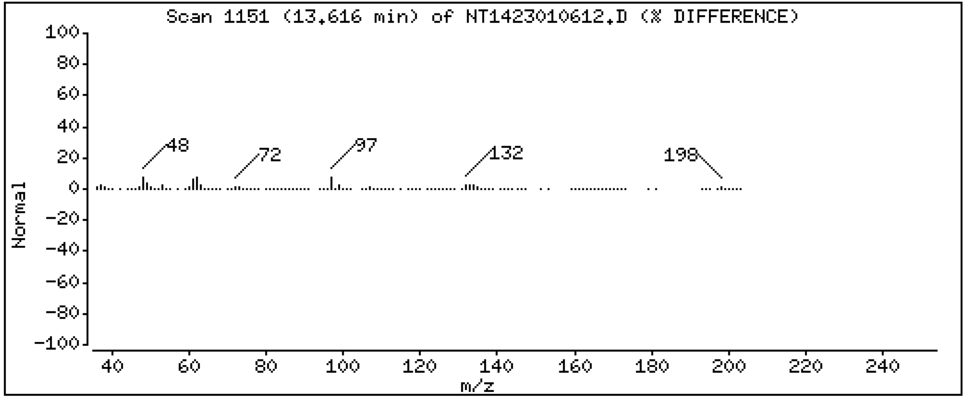
34 2,4,6-Trichlorophenol

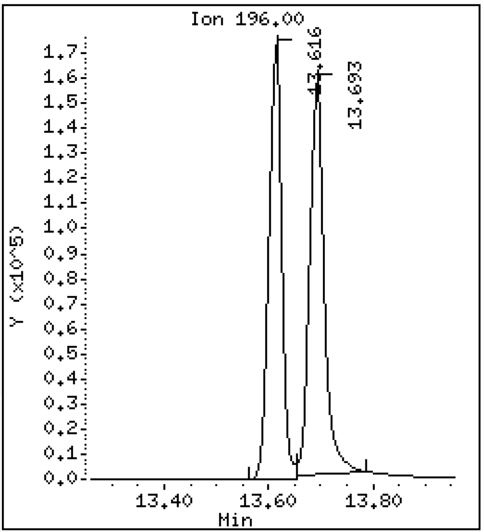
Concentration: 14.23 ug/mL


Scan 1151 (13.616 min) of NT1423010612.D


Scan 1151 (13.616 min) of NT1423010612.D (Subtracted)


34 2,4,6-Trichlorophenol (Reference Spectrum)


Scan 1151 (13.616 min) of NT1423010612.D (% DIFFERENCE)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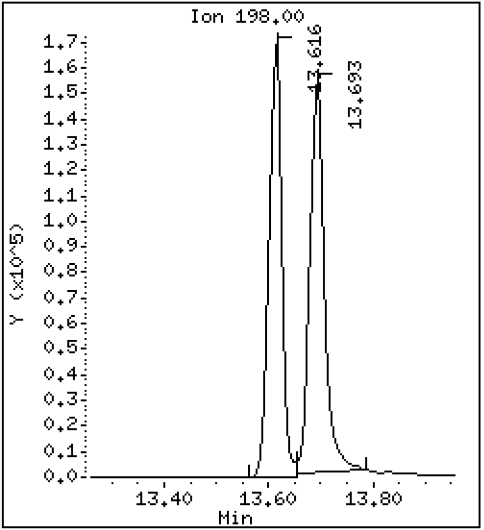
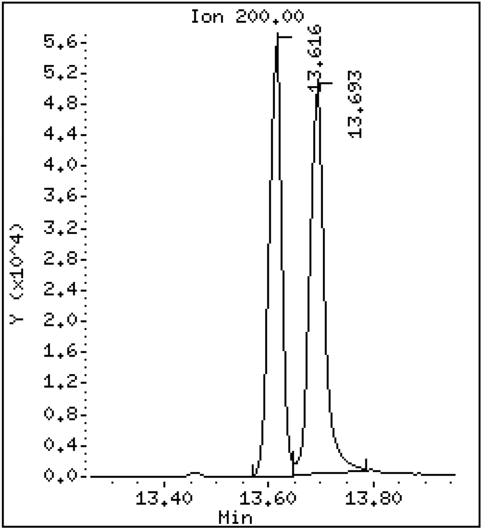

Ion 198.00


Ion 200.00

Date : 06-JAN-2023 18:14

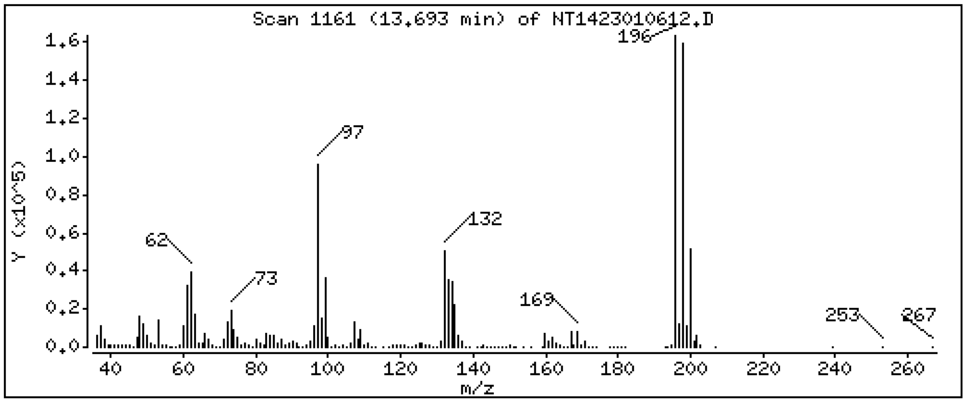
Client ID: Instrument: nt14.i

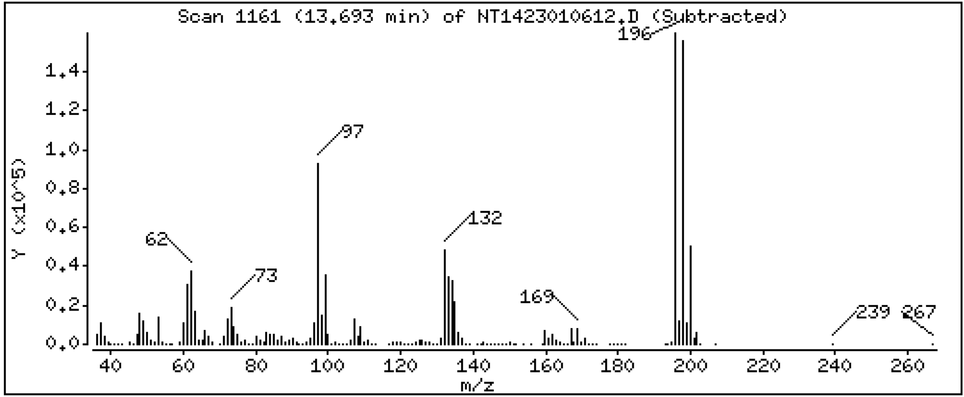
Sample Info: BKL0585-BS1

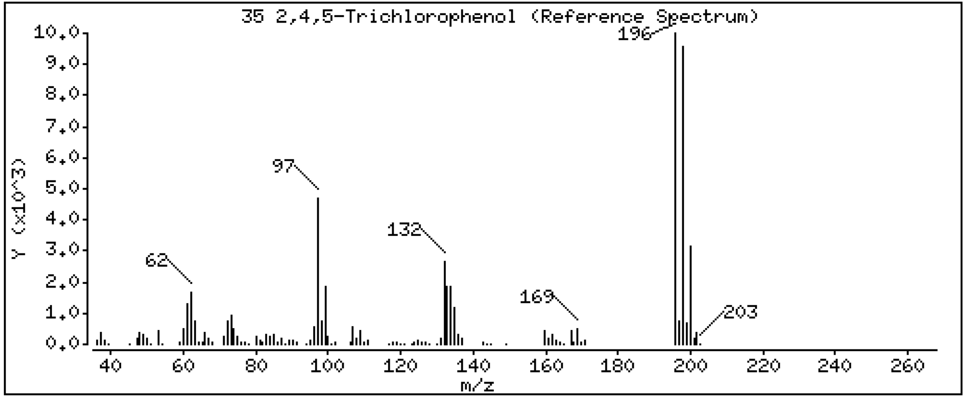
Operator: VTS

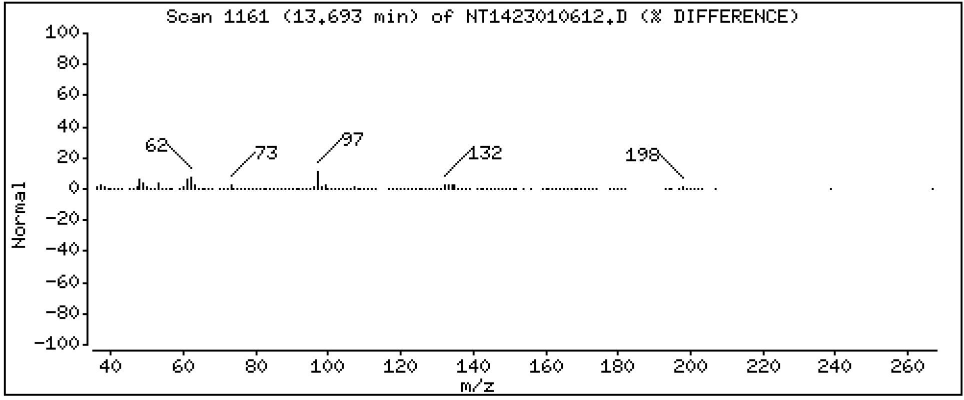
Column phase: ZB-5msi   Column diameter: 0.25

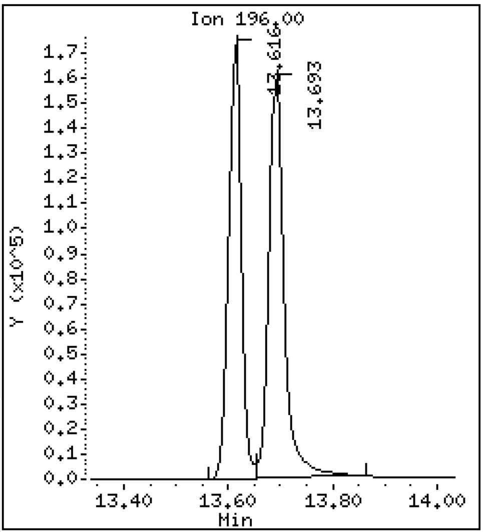
35 2,4,5-Trichlorophenol   Concentration: 13.45 ug/mL


Scan 1161 (13.693 min) of NT1423010612.D


Scan 1161 (13.693 min) of NT1423010612.D (Subtracted)


35 2,4,5-Trichlorophenol (Reference Spectrum)


Scan 1161 (13.693 min) of NT1423010612.D (% DIFFERENCE)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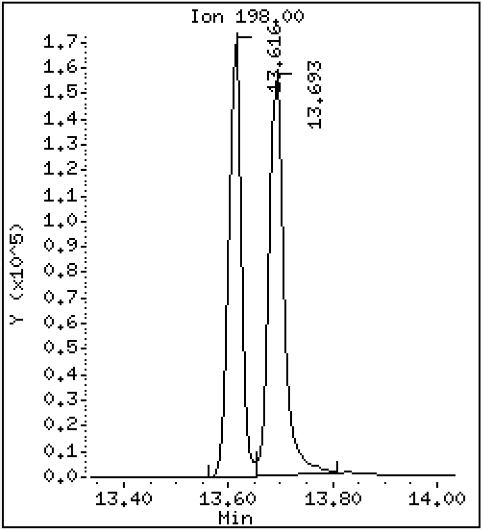
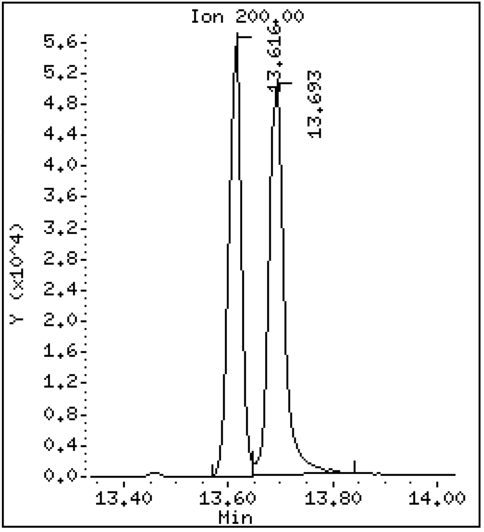

Ion 198.00


Ion 200.00

Data File: \\target\share\chem3\nt14.i\20230106.b\NT1423010612.D

Date : 06-JAN-2023 18:14

Client ID:

Instrument: nt14.i

Sample Info: BKL0585-BS1

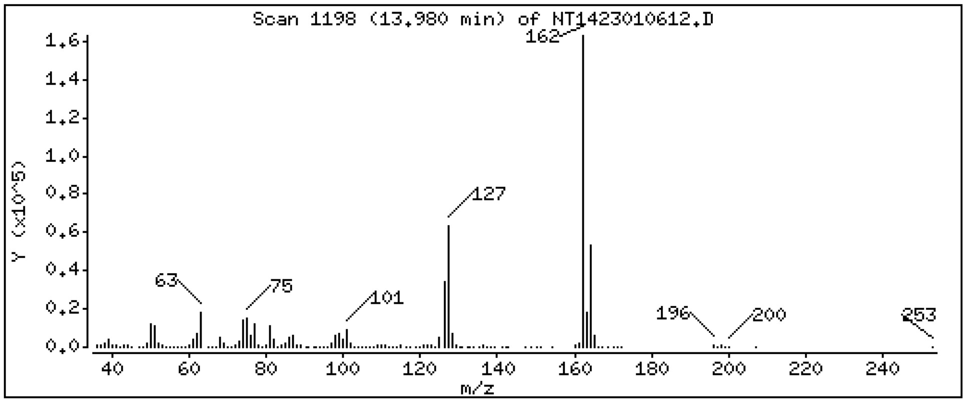
Operator: VTS

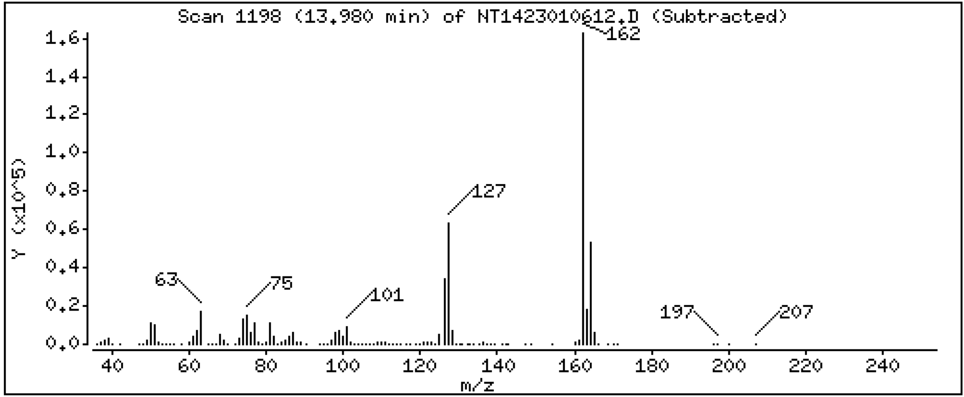
Column phase: ZB-5msi

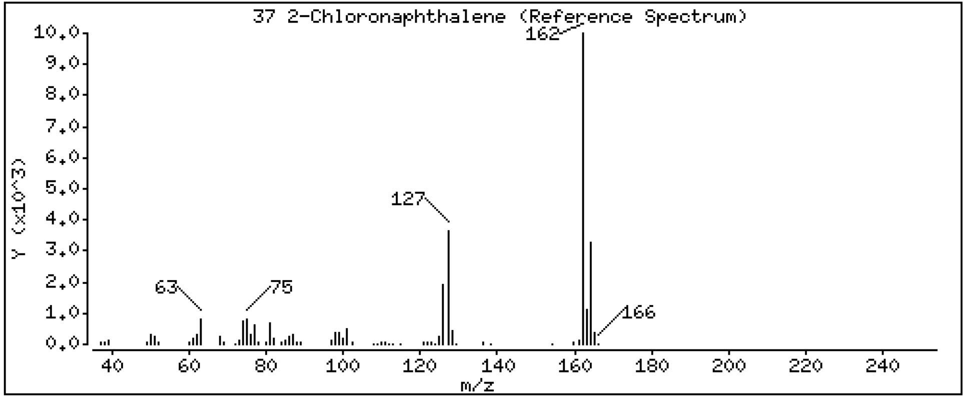
Column diameter: 0.25

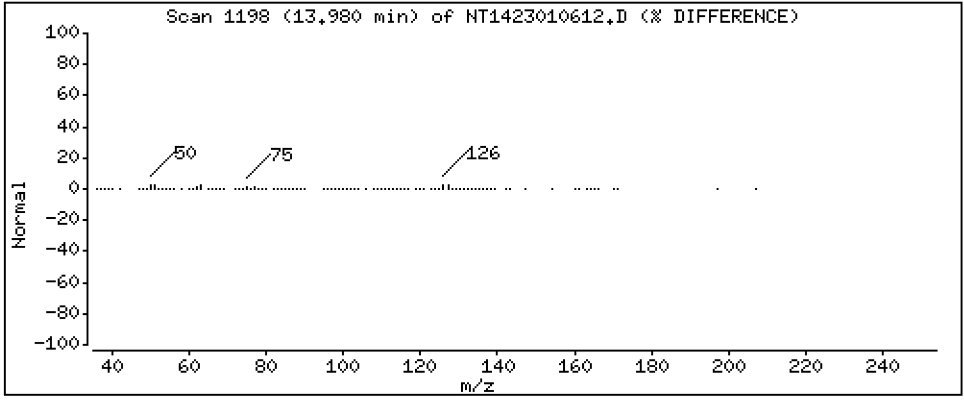
37 2-Chloronaphthalene

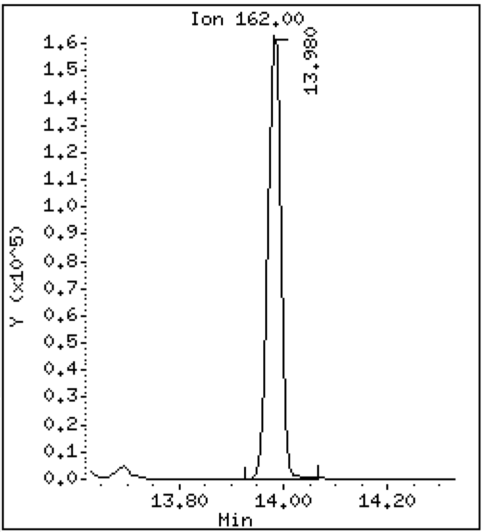
Concentration: 3.903 ug/mL

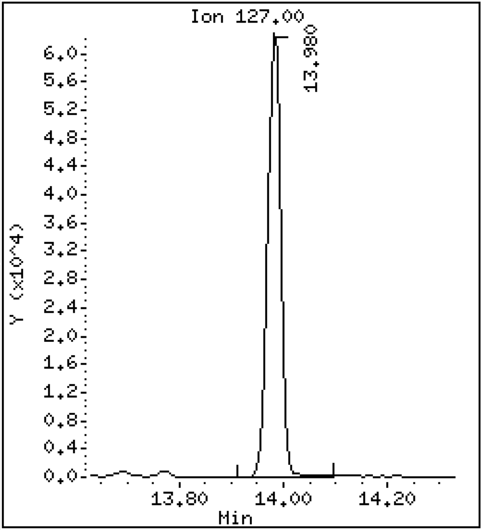

Scan 1198 (13.980 min) of NT1423010612.D

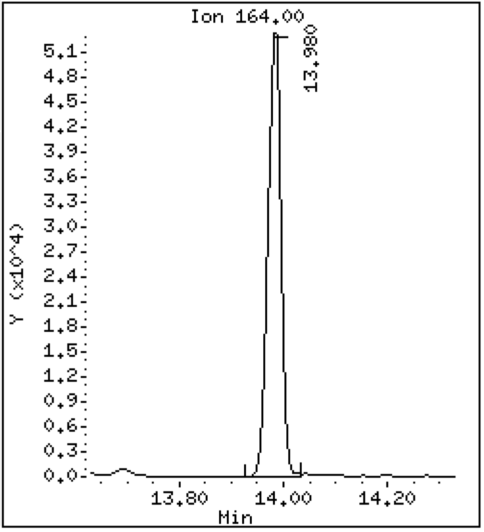

Scan 1198 (13.980 min) of NT1423010612.D (Subtracted)


37 2-Chloronaphthalene (Reference Spectrum)


Scan 1198 (13.980 min) of NT1423010612.D (% DIFFERENCE)


Ion 162.00


Ion 127.00


Ion 164.00

Data File: \\target\share\chem3\nt14.i\20230106.b\NT1423010612.D

Date : 06-JAN-2023 18:14

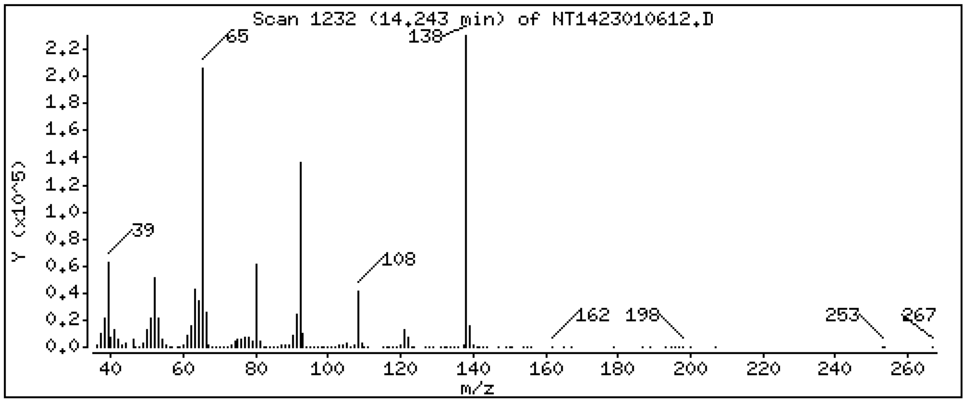
Client ID: Instrument: nt14.i

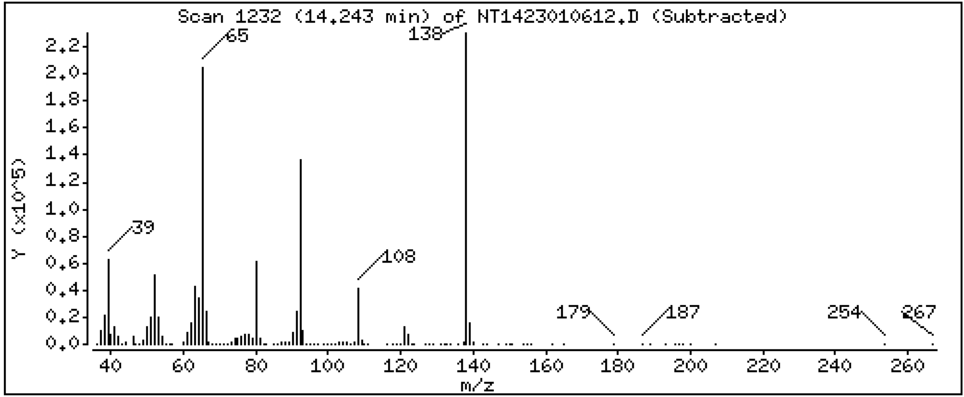
Sample Info: BKL0585-BS1

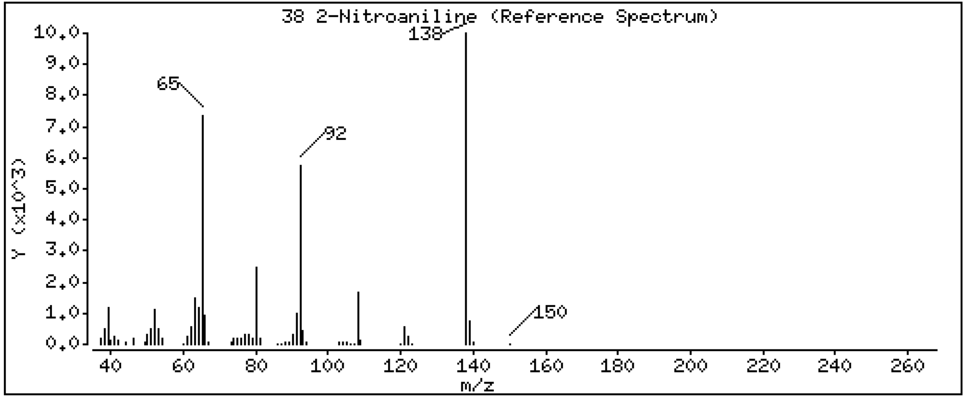
Operator: VTS

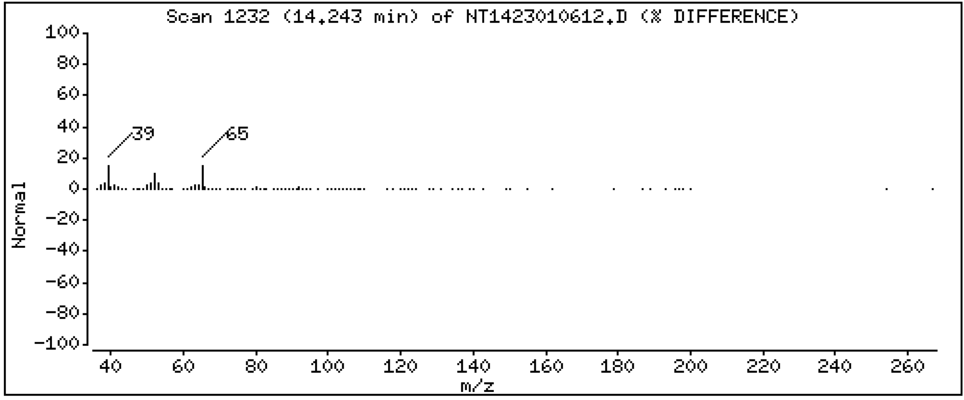
Column phase: ZB-5msi Column diameter: 0.25

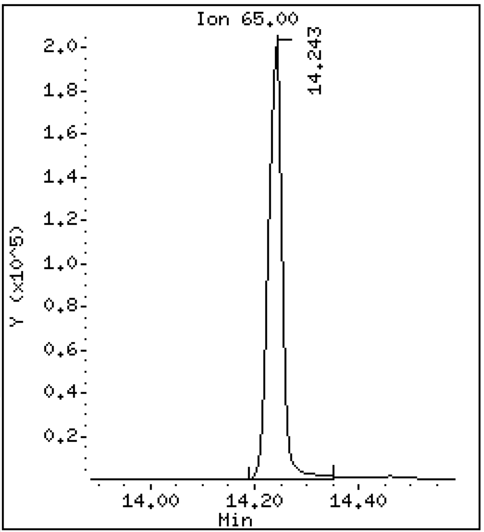
38 2-Nitroaniline Concentration: 19.46 ug/mL

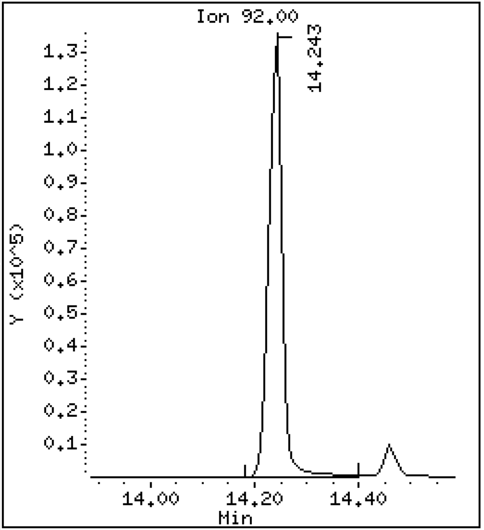


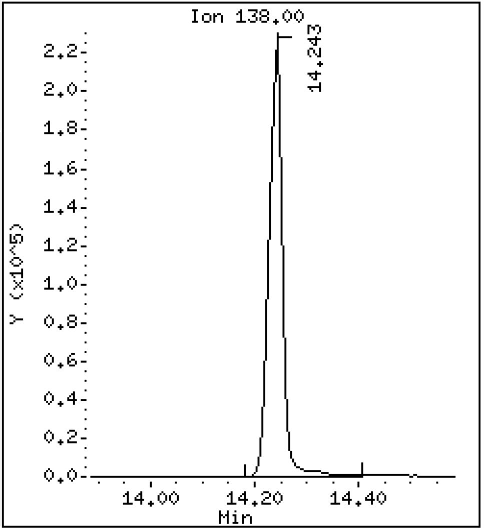












Data File: \\target\share\chem3\nt14.i\20230106.b\NT1423010612.D

Date : 06-JAN-2023 18:14

Client ID:

Instrument: nt14.i

Sample Info: BKL0585-BS1

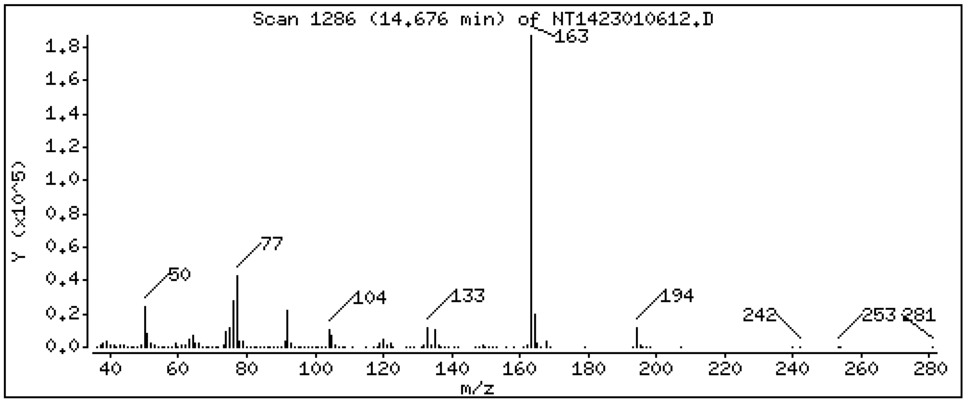
Operator: VTS

Column phase: ZB-5msi

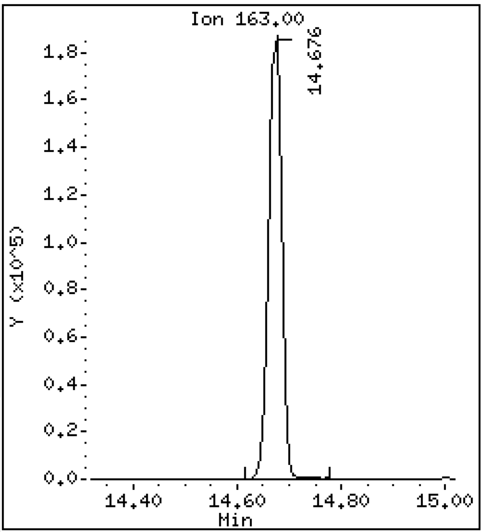
Column diameter: 0.25

39 Dimethylphthalate

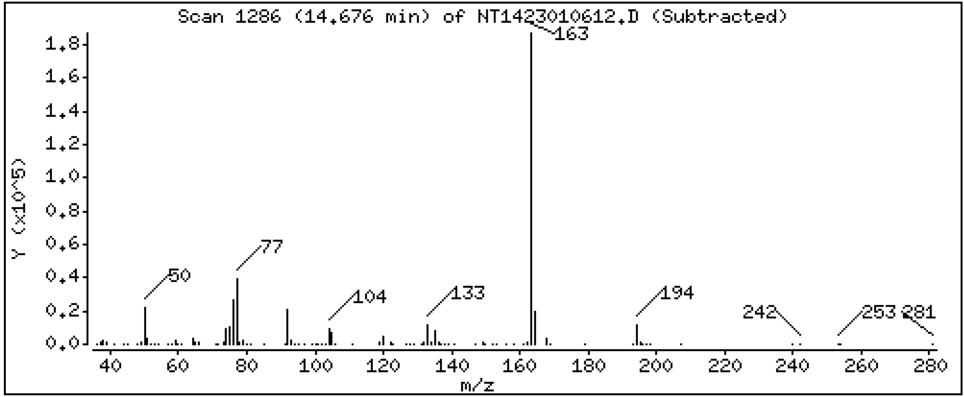
Concentration: 4.551 ug/mL



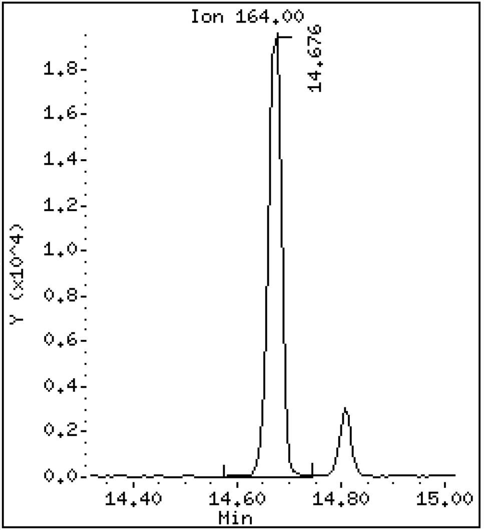
Scan 1286 (14.676 min) of NT1423010612.D



Ion 163.00



Scan 1286 (14.676 min) of NT1423010612.D (Subtracted)



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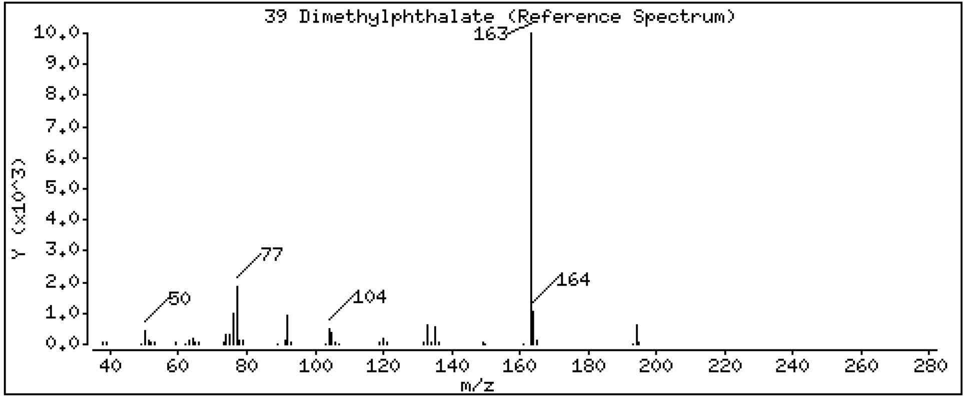
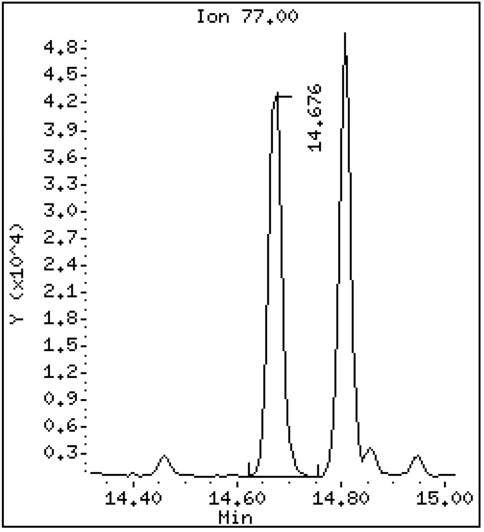
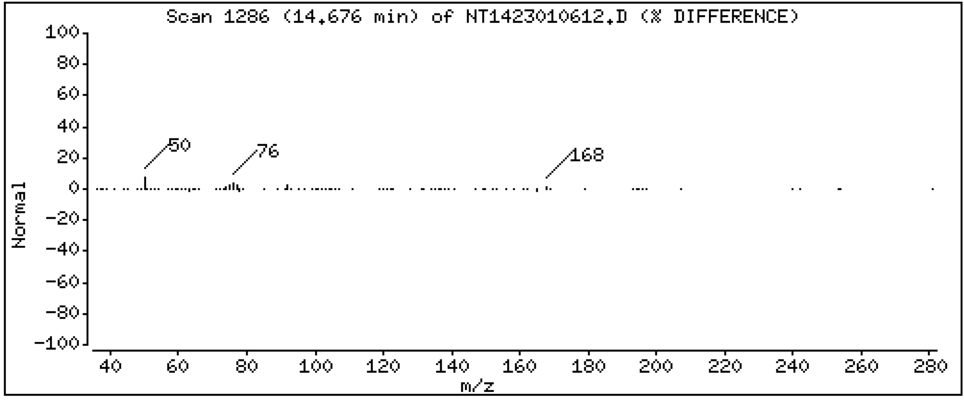


39 Dimethylphthalate (Reference Spectrum)



Ion 77.00



Scan 1286 (14.676 min) of NT1423010612.D (% DIFFERENCE)

Data File: \\target\share\chem3\nt14.i\20230106.b\NT1423010612.D

Date : 06-JAN-2023 18:14

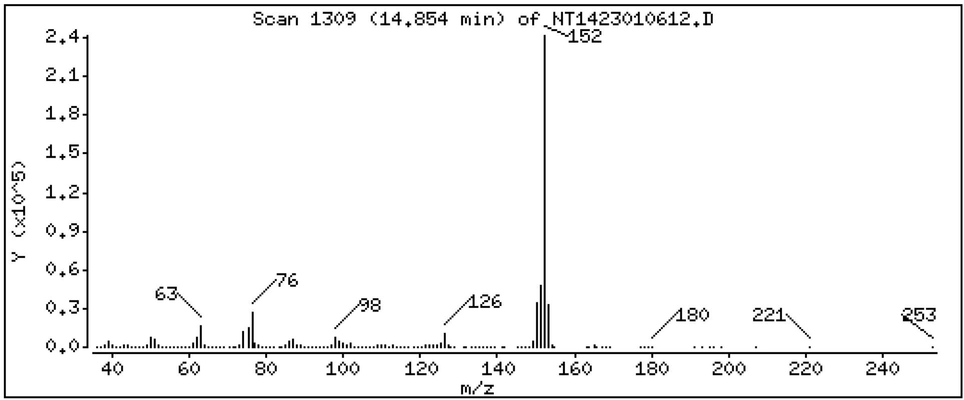
Client ID: Instrument: nt14.i

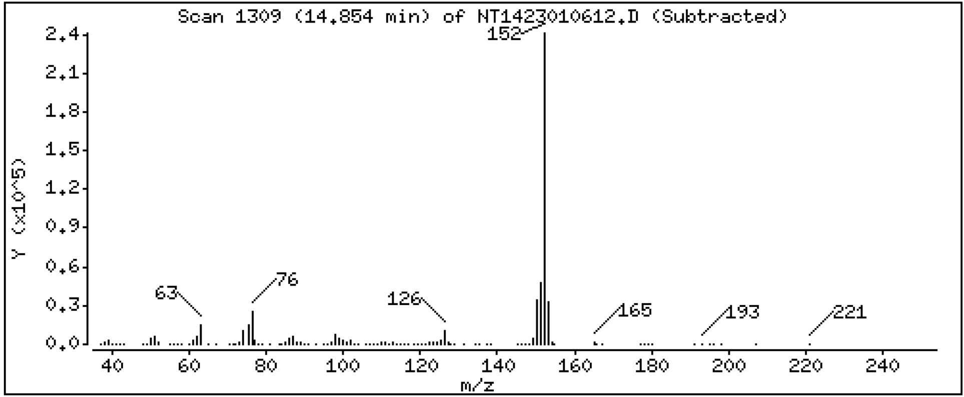
Sample Info: BKL0585-BS1

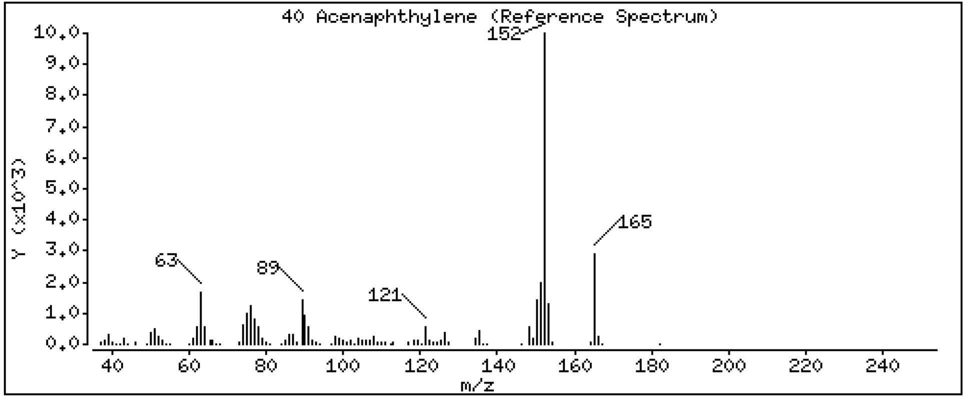
Operator: VTS

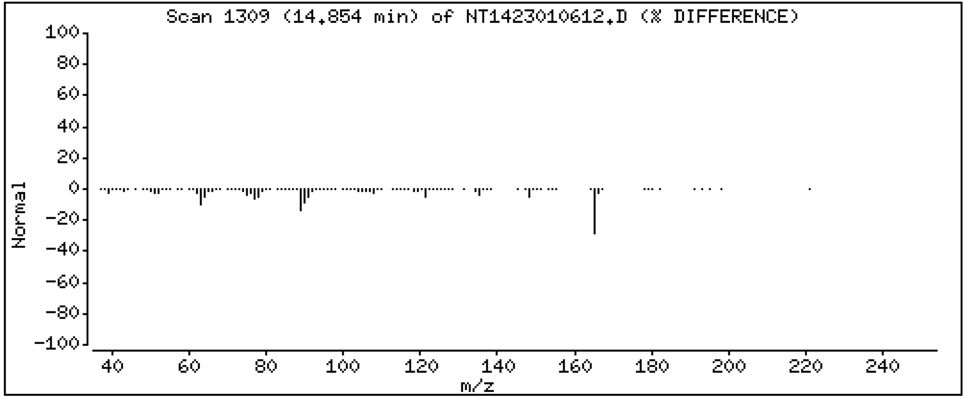
Column phase: ZB-5msi Column diameter: 0.25

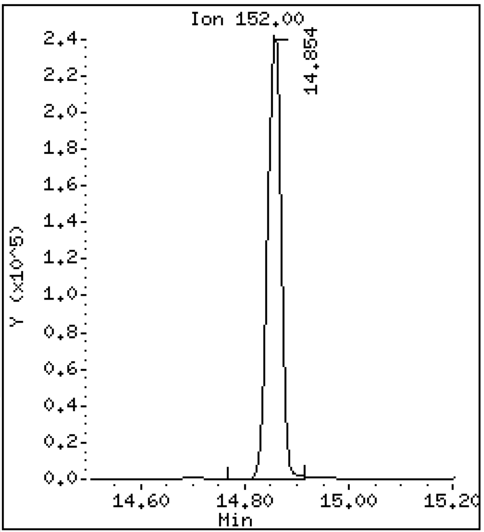
40 Acenaphthylene Concentration: 3.959 ug/mL

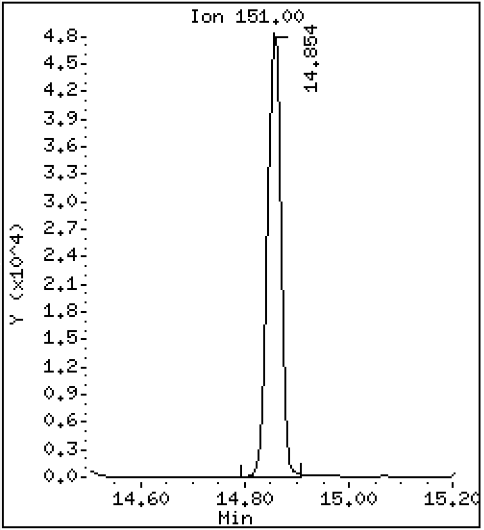


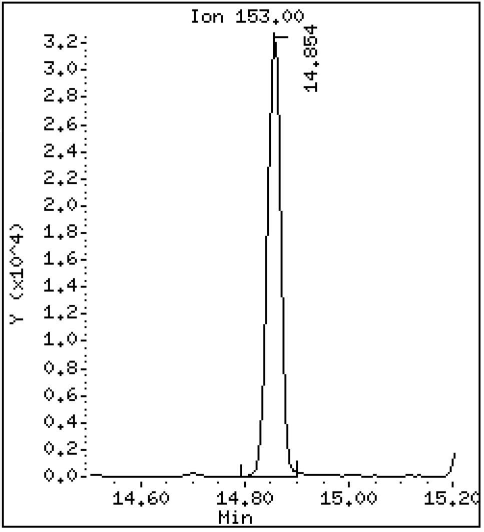












Data File: \\target\share\chem3\nt14.i\20230106.b\NT1423010612.D

Date : 06-JAN-2023 18:14

Client ID:

Instrument: nt14.i

Sample Info: BKL0585-BS1

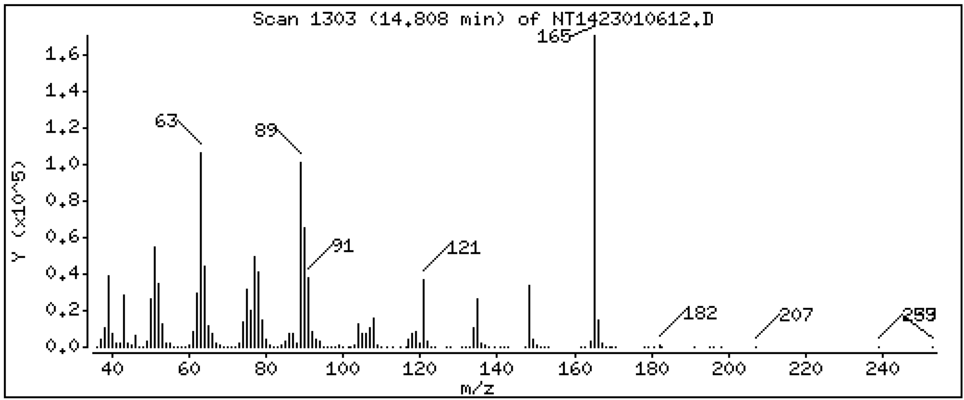
Operator: VTS

Column phase: ZB-5msi

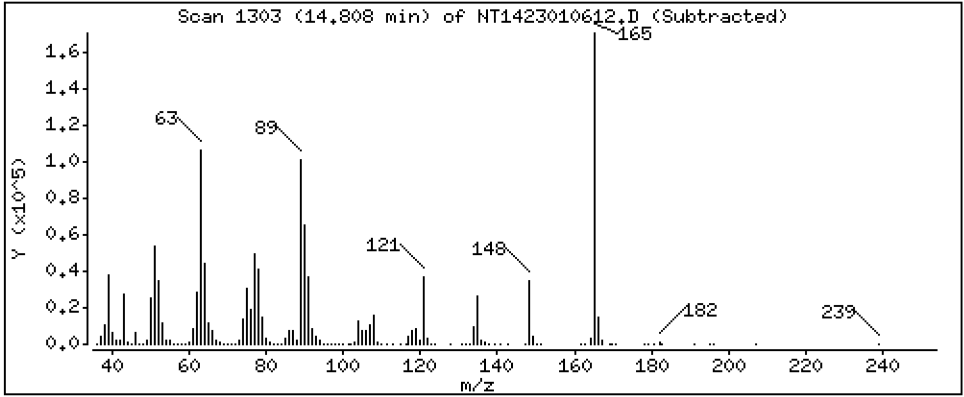
Column diameter: 0.25

41 2,6-Dinitrotoluene

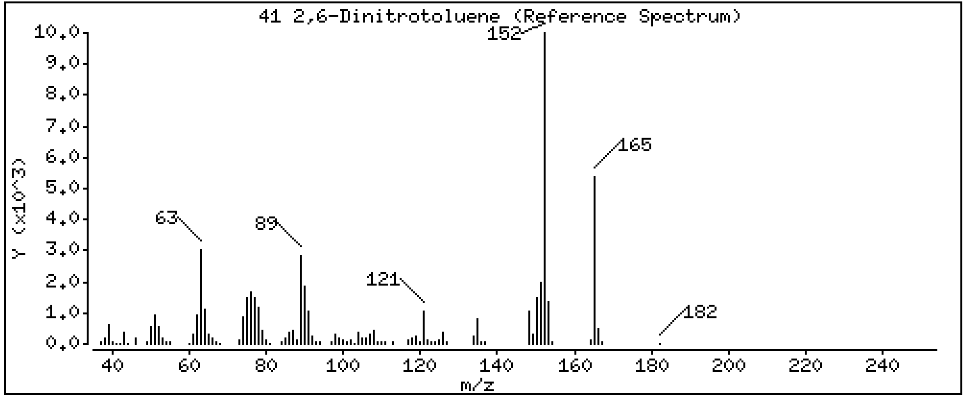
Concentration: 17.56 ug/mL



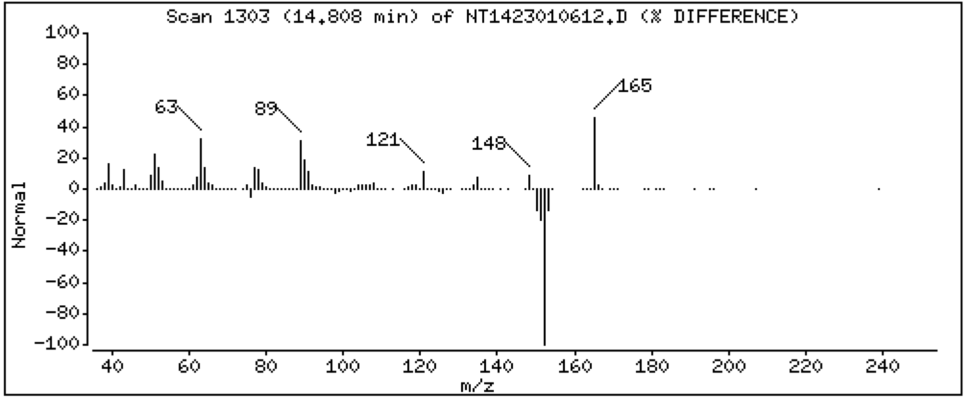
Scan 1303 (14.808 min) of NT1423010612.D



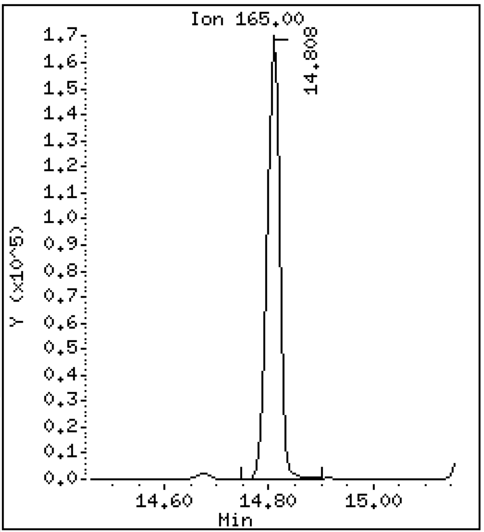
Scan 1303 (14.808 min) of NT1423010612.D (Subtracted)



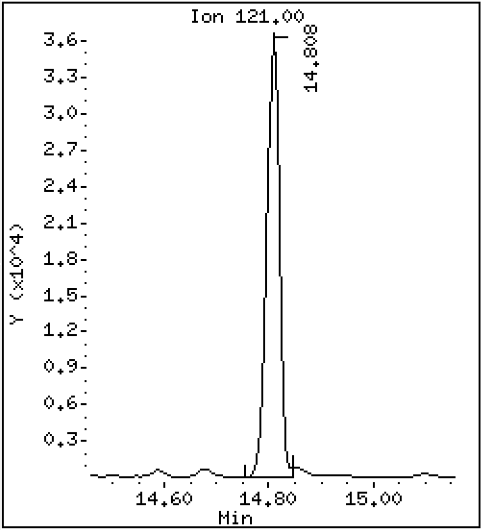
41 2,6-Dinitrotoluene (Reference Spectrum)



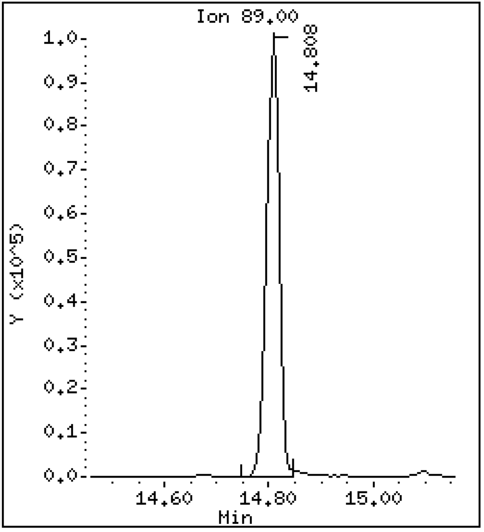
Scan 1303 (14.808 min) of NT1423010612.D (% DIFFERENCE)



Ion 165.00



Ion 121.00



Ion 89.00

Date : 06-JAN-2023 18:14

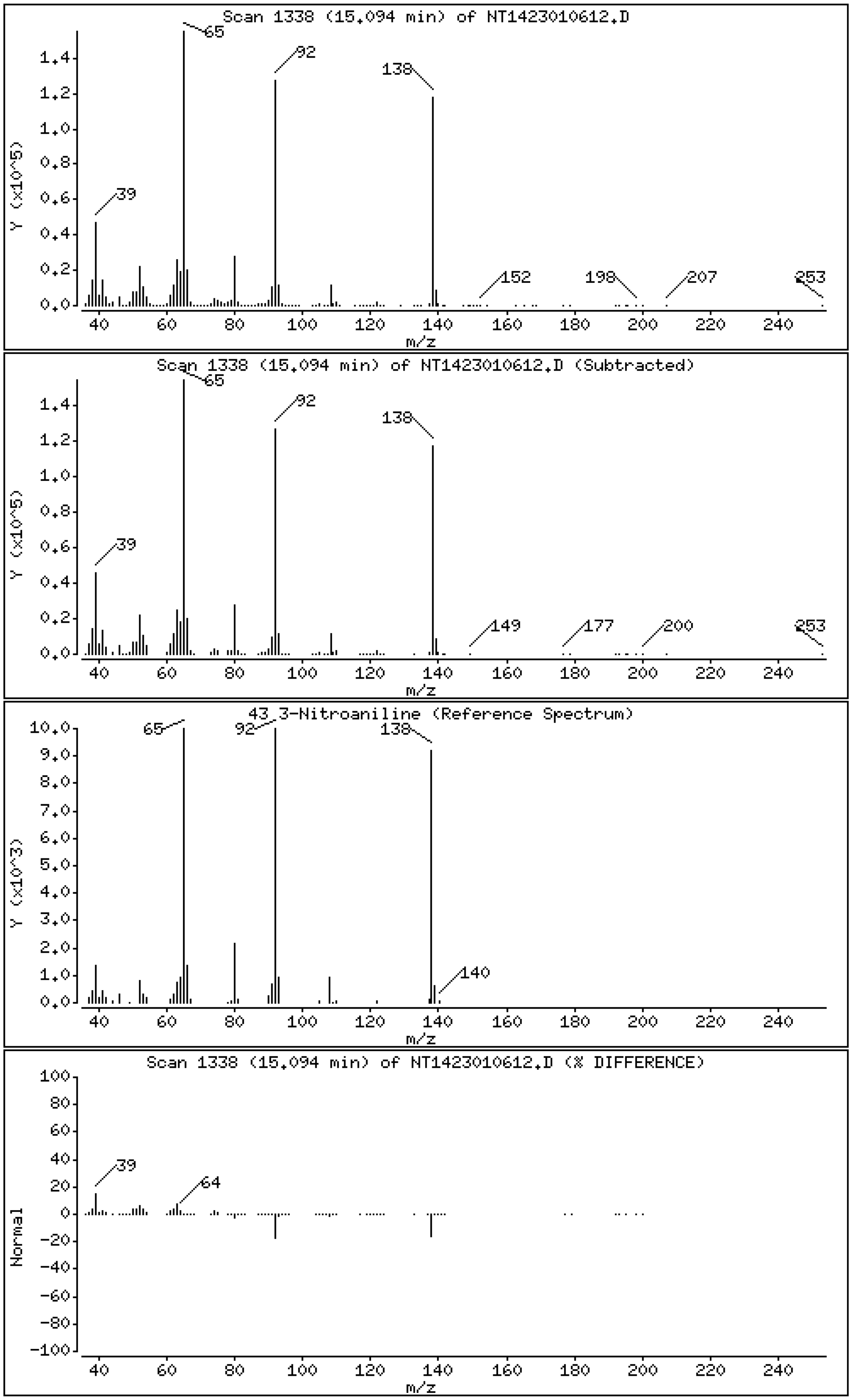
Client ID: Instrument: nt14.i

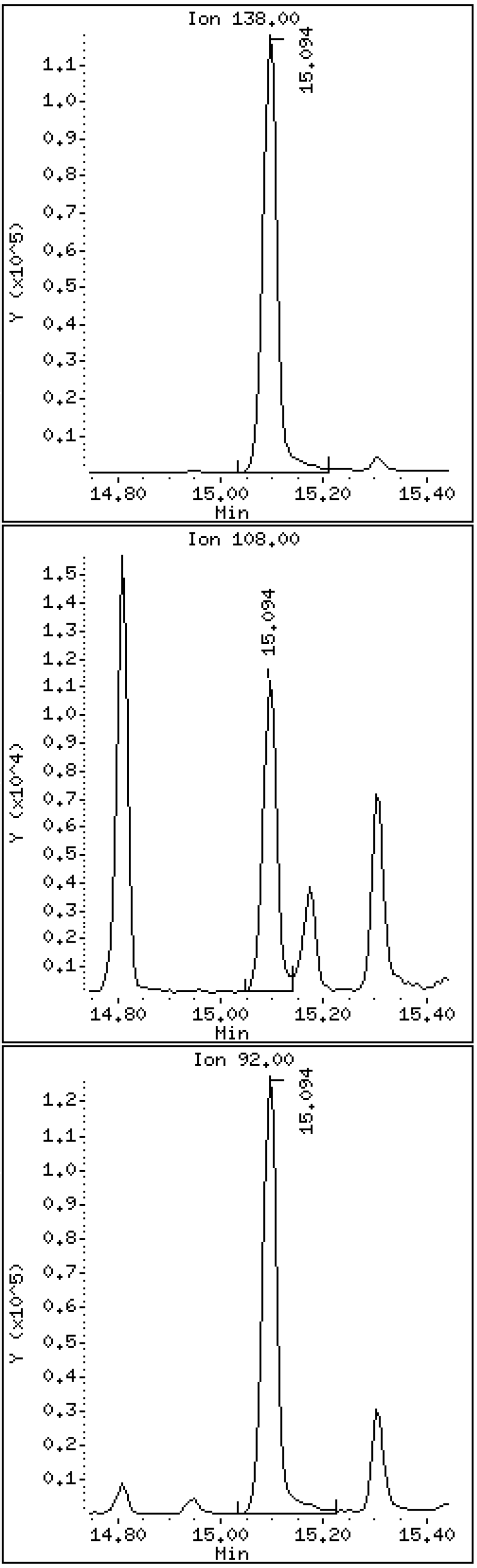
Sample Info: BKL0585-BS1

Operator: VTS

Column phase: ZB-5msi Column diameter: 0.25

43 3-Nitroaniline Concentration: 11.79 ug/mL





Data File: \\target\share\chem3\nt14.i\20230106.b\NT1423010612.D

Date : 06-JAN-2023 18:14

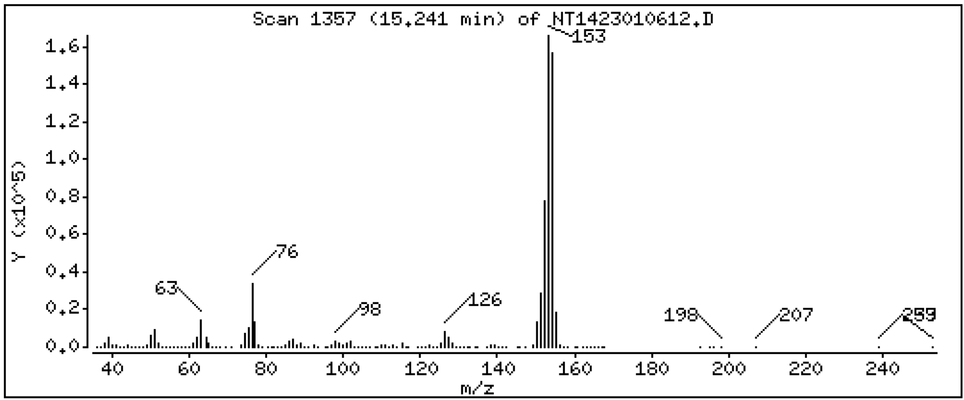
Client ID: Instrument: nt14.i

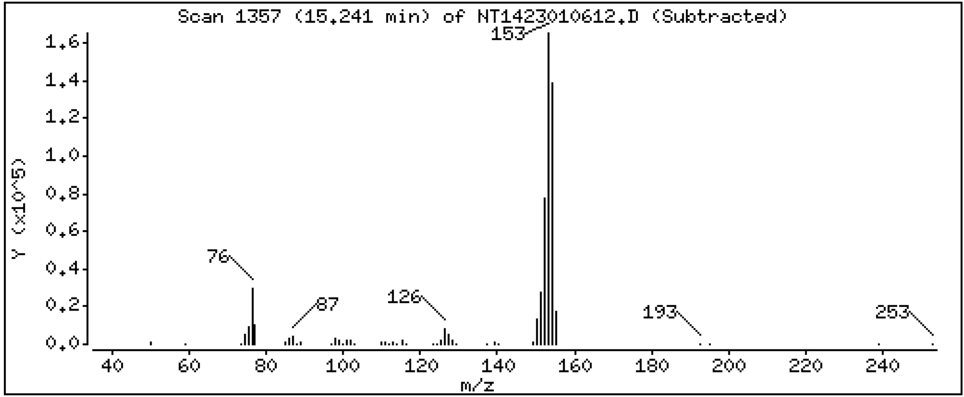
Sample Info: BKL0585-BS1

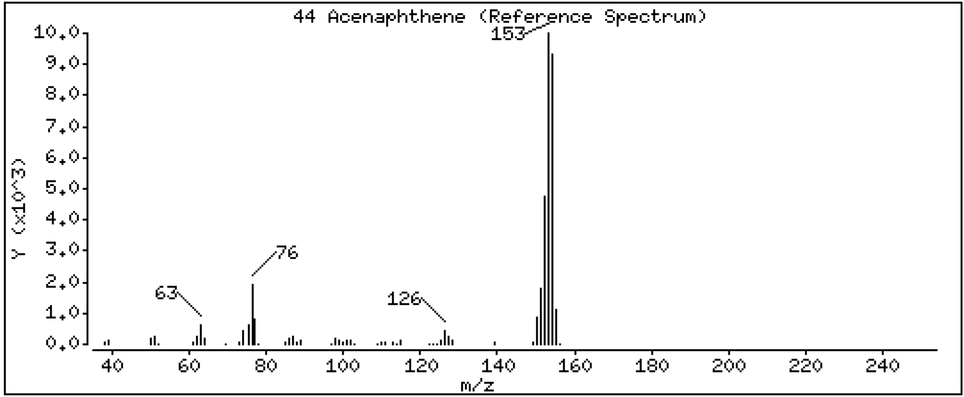
Operator: VTS

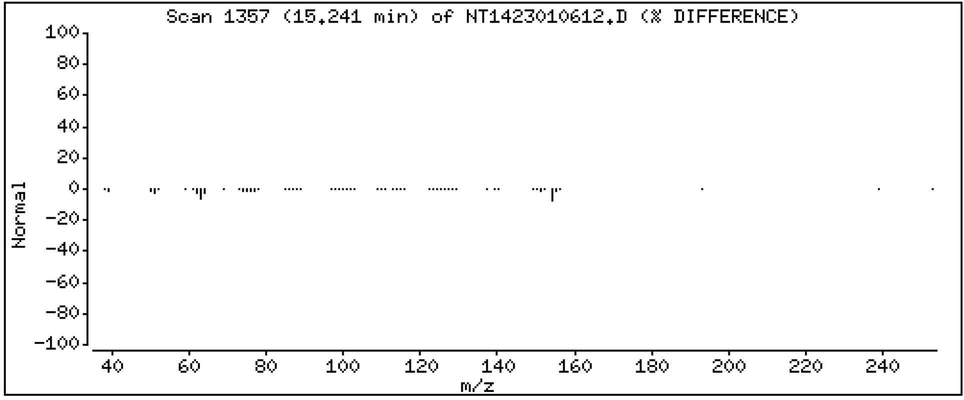
Column phase: ZB-5msi Column diameter: 0.25

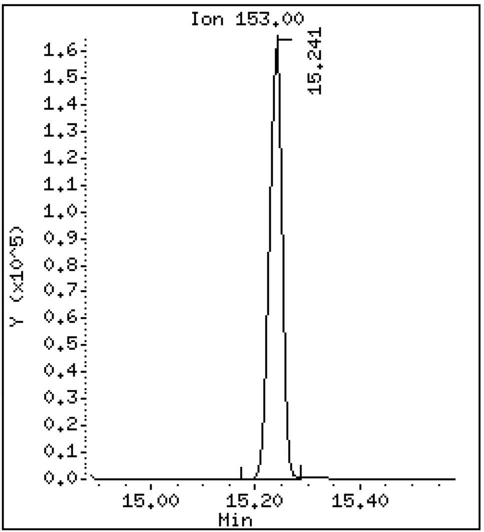
44 Acenaphthene Concentration: 4.090 ug/mL

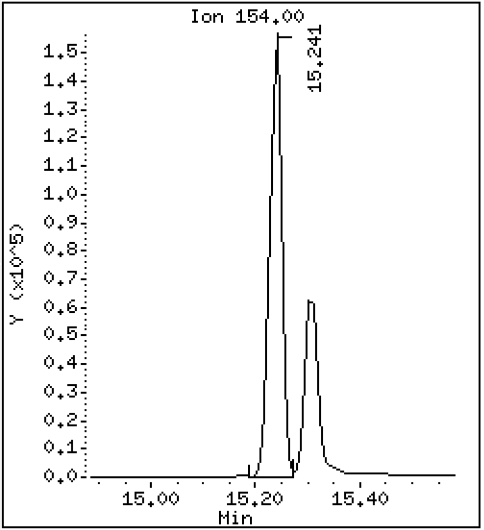


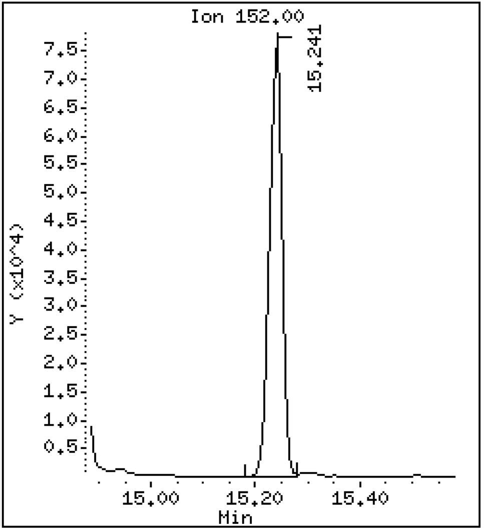












Data File: \\target\share\chem3\nt14.i\20230106.b\NT1423010612.D

Date : 06-JAN-2023 18:14

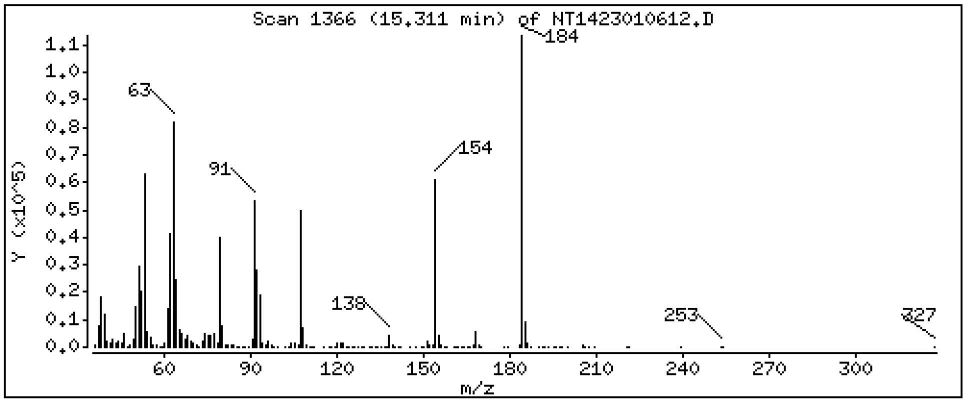
Client ID: Instrument: nt14.i

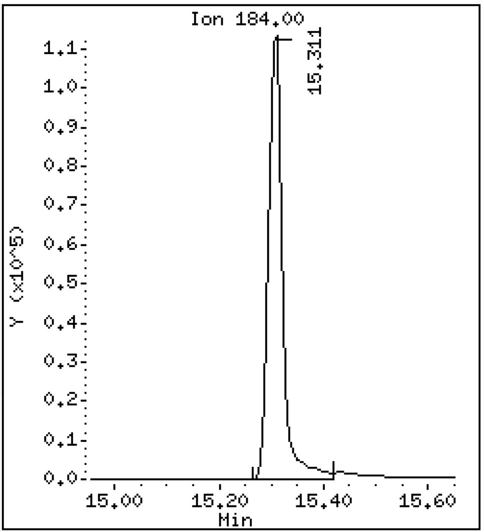
Sample Info: BKL0585-BS1

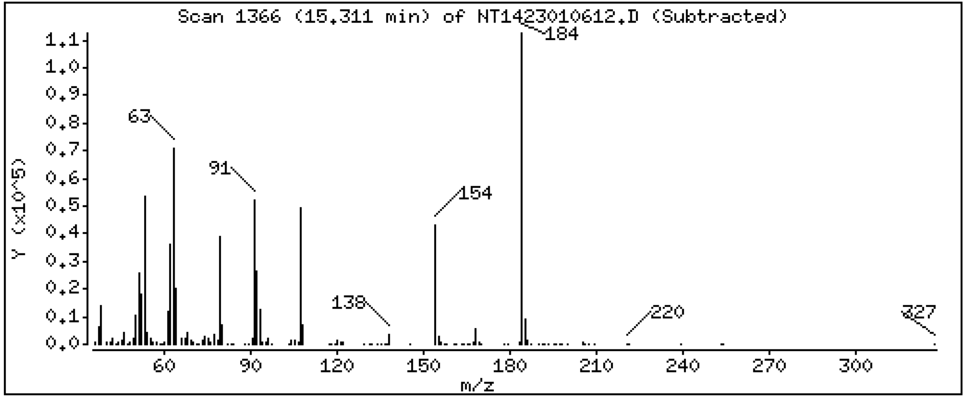
Operator: VTS

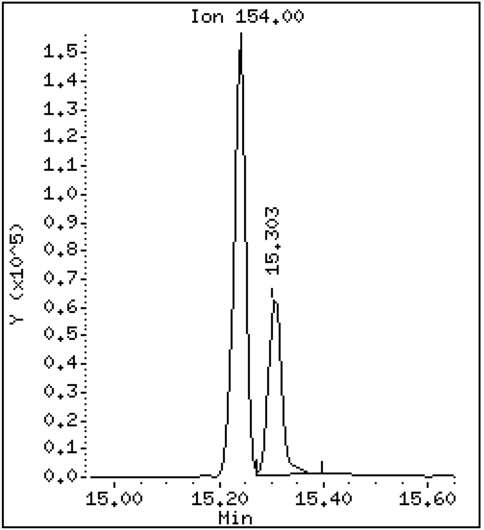
Column phase: ZB-5msi Column diameter: 0.25

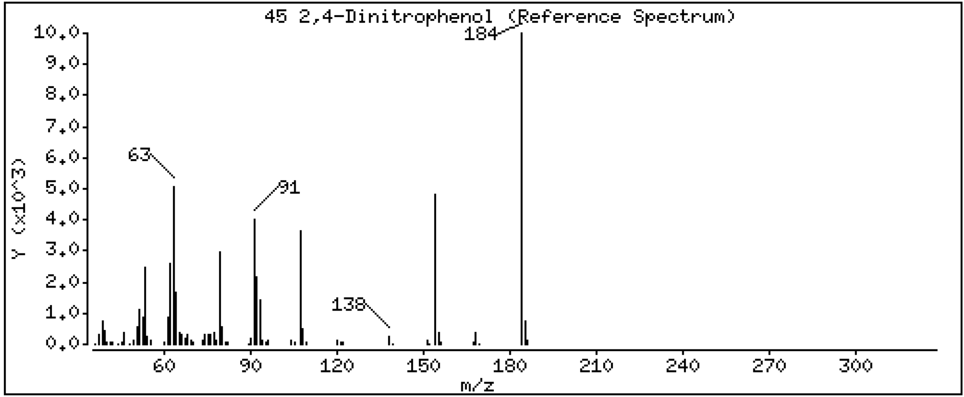
45 2,4-Dinitrophenol Concentration: 15.19 ug/mL

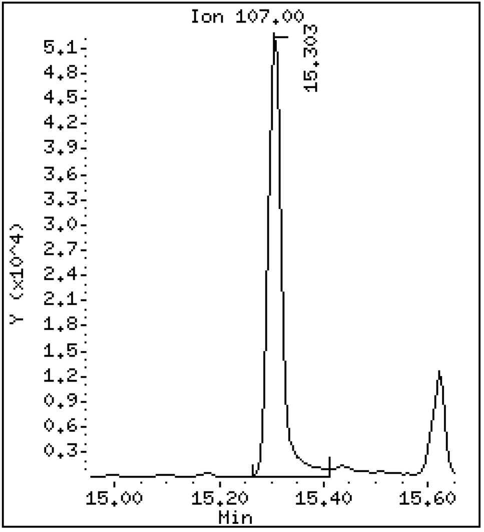

Scan 1366 (15.311 min) of NT1423010612.D


Ion 184.00


Scan 1366 (15.311 min) of NT1423010612.D (Subtracted)


Ion 154.00


45 2,4-Dinitrophenol (Reference Spectrum)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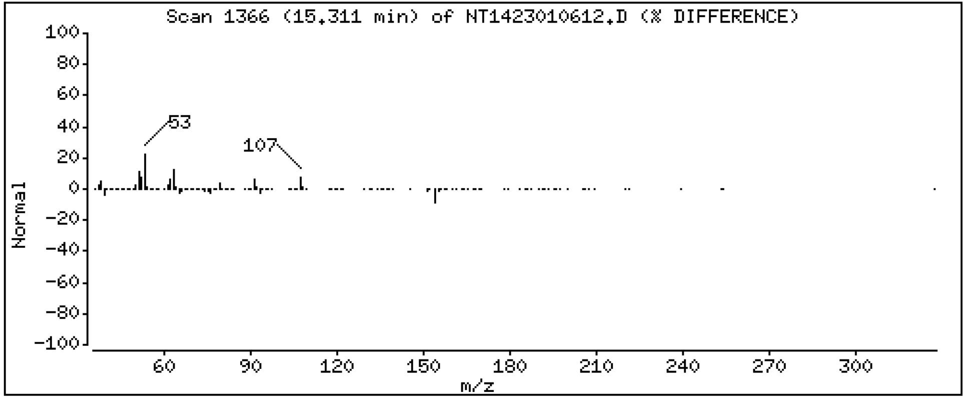

Scan 1366 (15.311 min) of NT1423010612.D (% DIFFERENCE)

Data File: \\target\share\chem3\nt14.i\20230106.b\NT1423010612.D

Date : 06-JAN-2023 18:14

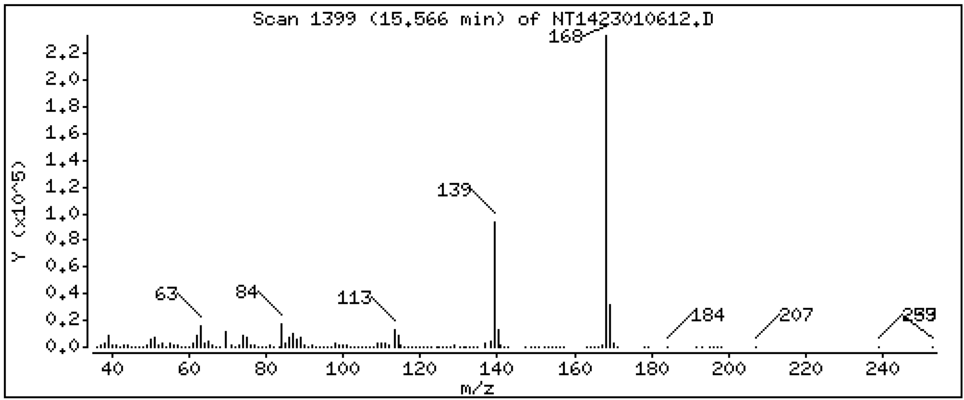
Client ID: Instrument: nt14.i

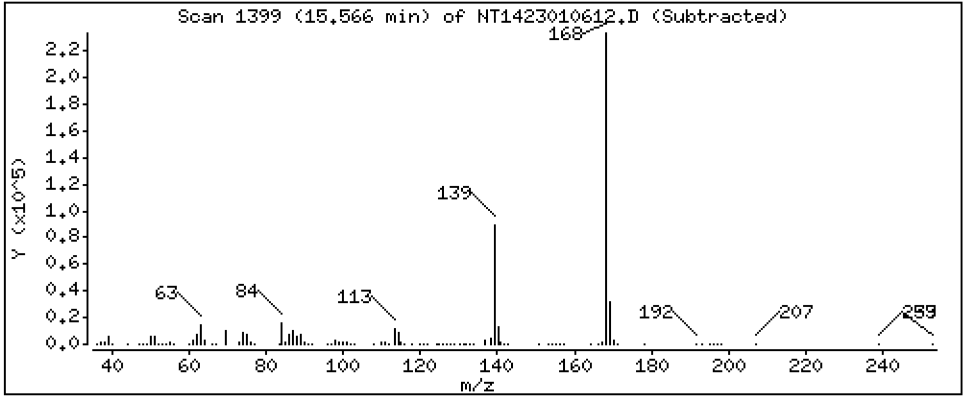
Sample Info: BKL0585-BS1

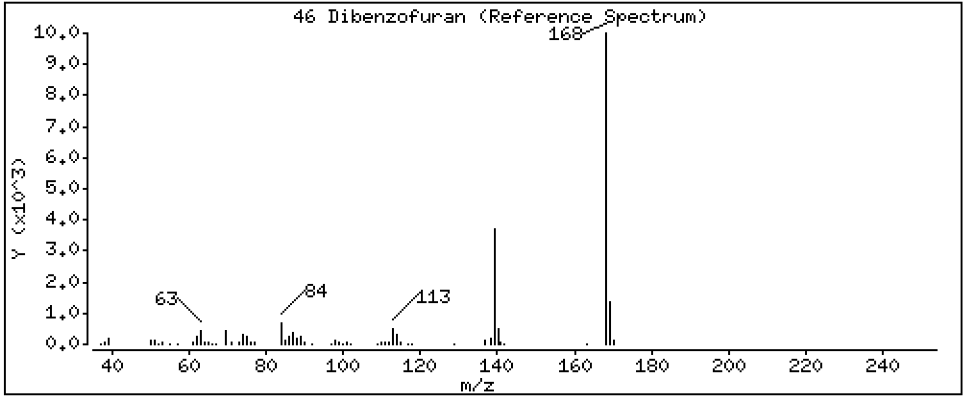
Operator: VTS

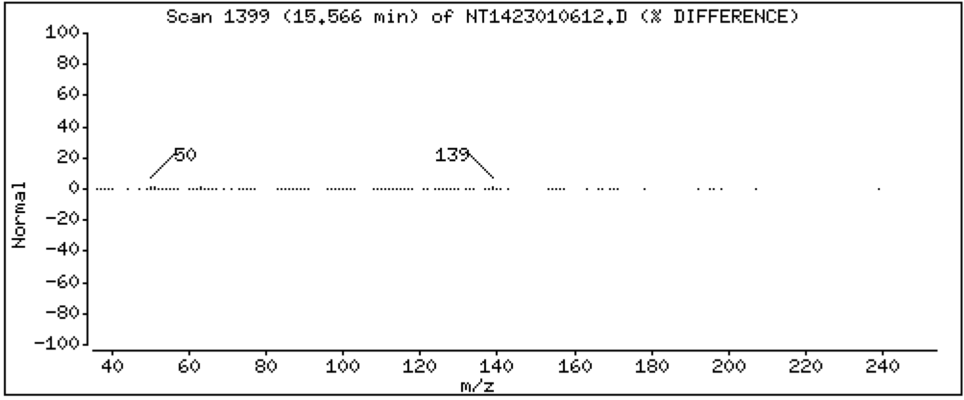
Column phase: ZB-5msi Column diameter: 0.25

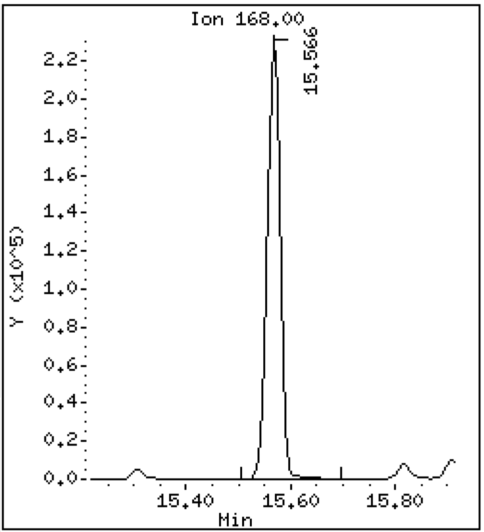
46 Dibenzofuran Concentration: 3.885 ug/mL

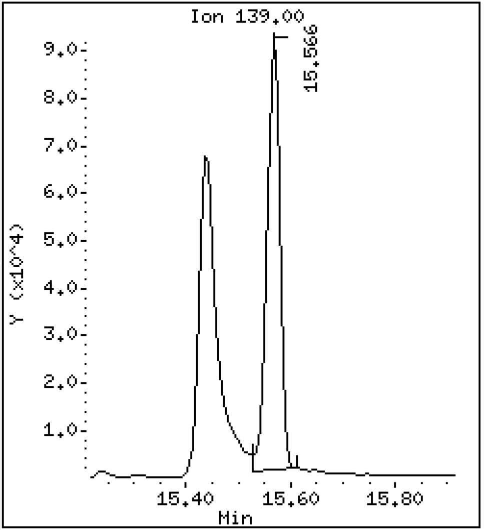

Scan 1399 (15.566 min) of NT1423010612.D

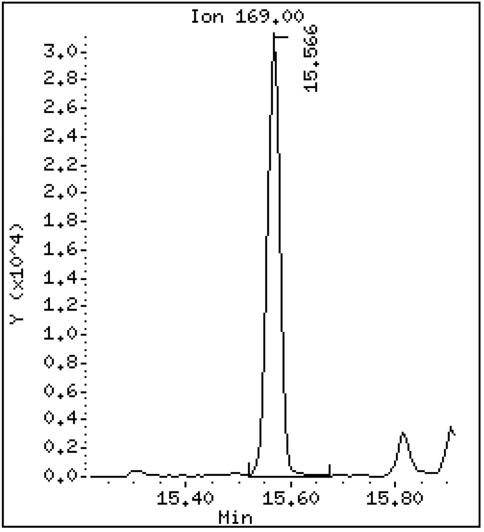

Scan 1399 (15.566 min) of NT1423010612.D (Subtracted)


46 Dibenzofuran (Reference Spectrum)


Scan 1399 (15.566 min) of NT1423010612.D (% DIFFERENCE)


Ion 168.00


Ion 139.00


Ion 169.00

Data File: \\target\share\chem3\nt14.i\20230106.b\NT1423010612.D

Date : 06-JAN-2023 18:14

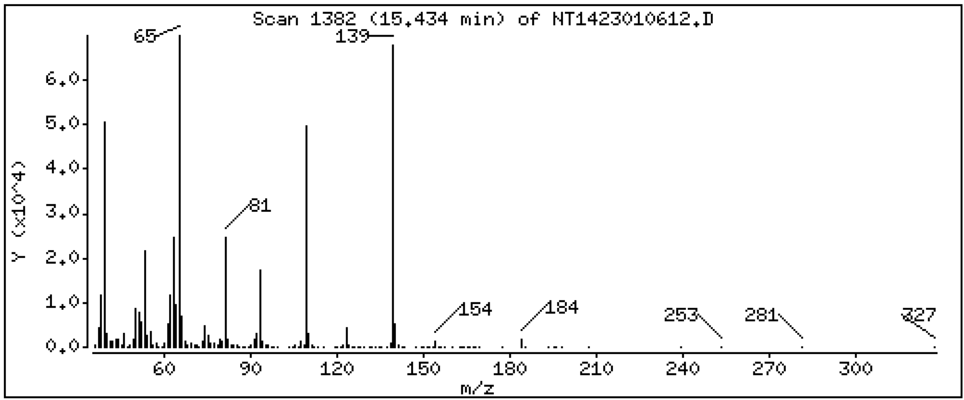
Client ID: Instrument: nt14.i

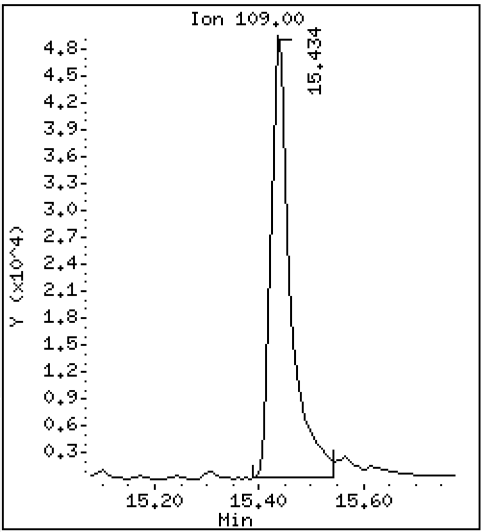
Sample Info: BKL0585-BS1

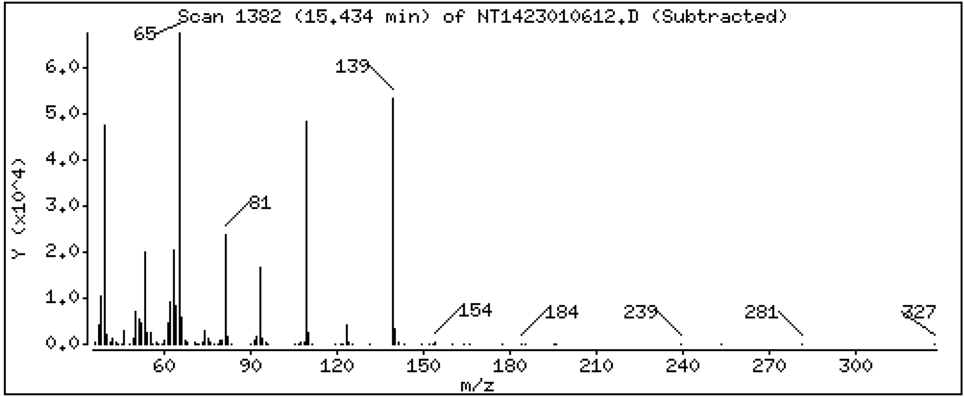
Operator: VTS

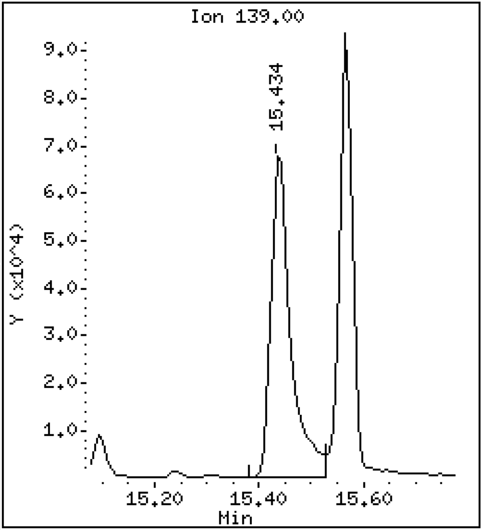
Column phase: ZB-5msi Column diameter: 0.25

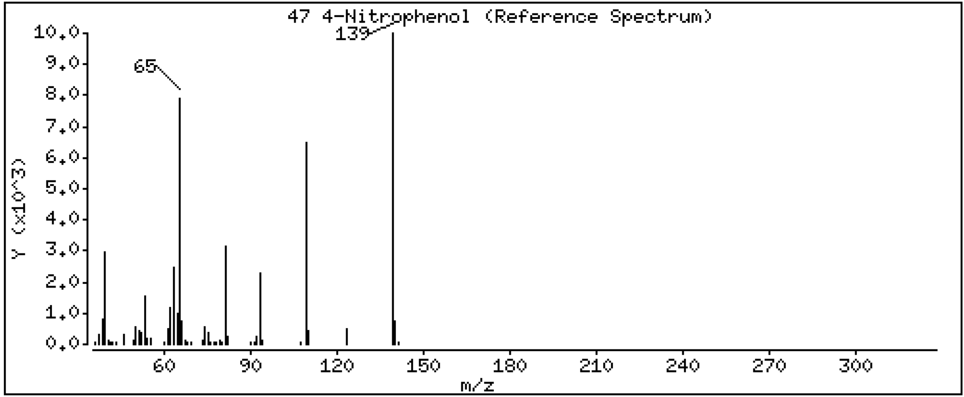
47 4-Nitrophenol Concentration: 13.98 ug/mL

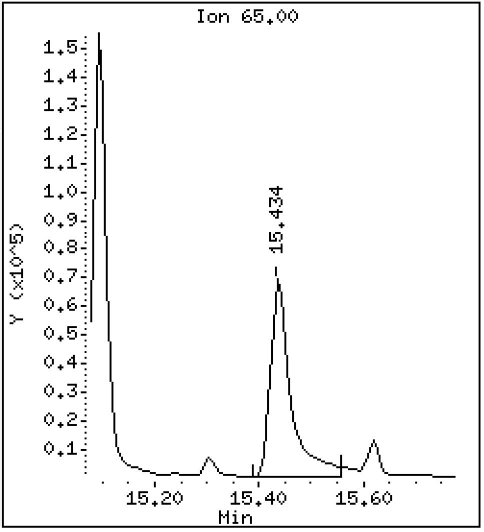

Scan 1382 (15.434 min) of NT1423010612.D

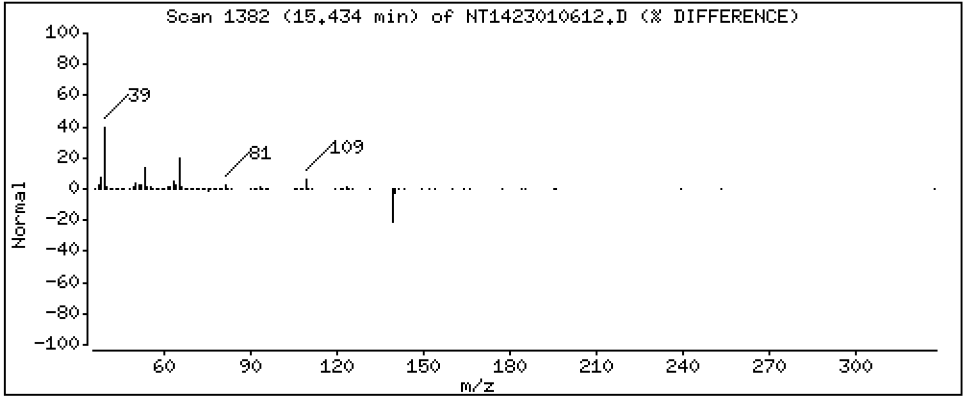

Ion 109.00


Scan 1382 (15.434 min) of NT1423010612.D (Subtracted)


Ion 139.00


47 4-Nitrophenol (Reference Spectrum)


Ion 65.00


Scan 1382 (15.434 min) of NT1423010612.D (% DIFFERENCE)

Data File: \\target\share\chem3\nt14.i\20230106.b\NT1423010612.D

Date : 06-JAN-2023 18:14

Client ID:

Instrument: nt14.i

Sample Info: BKL0585-BS1

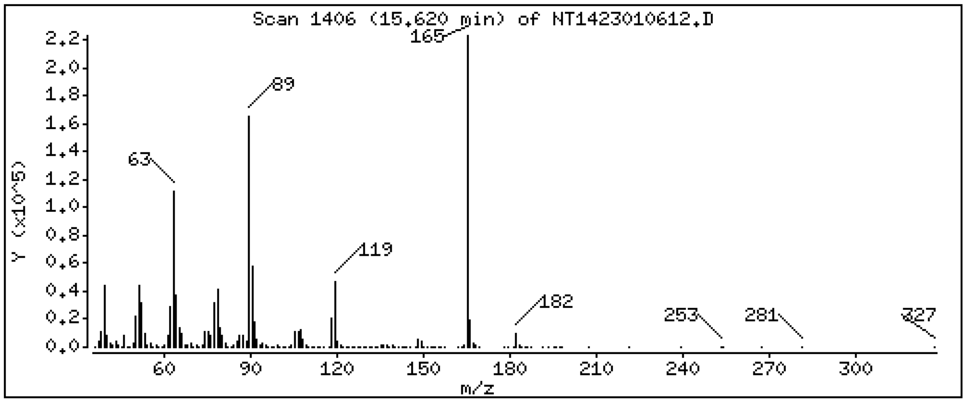
Operator: VTS

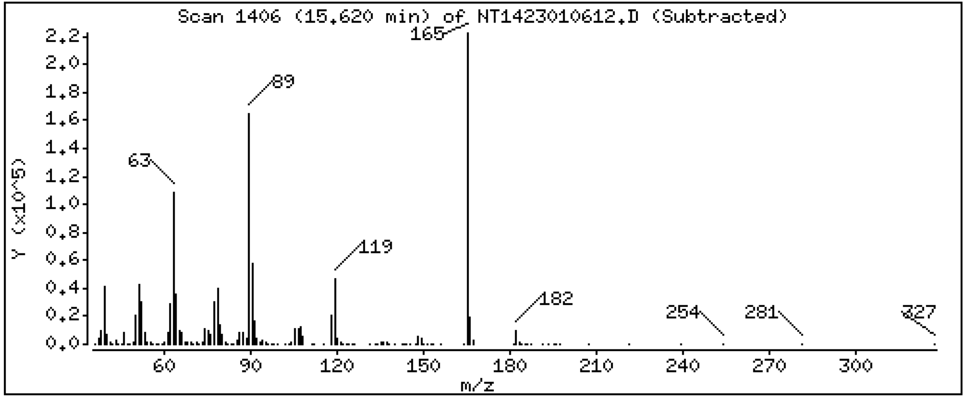
Column phase: ZB-5msi

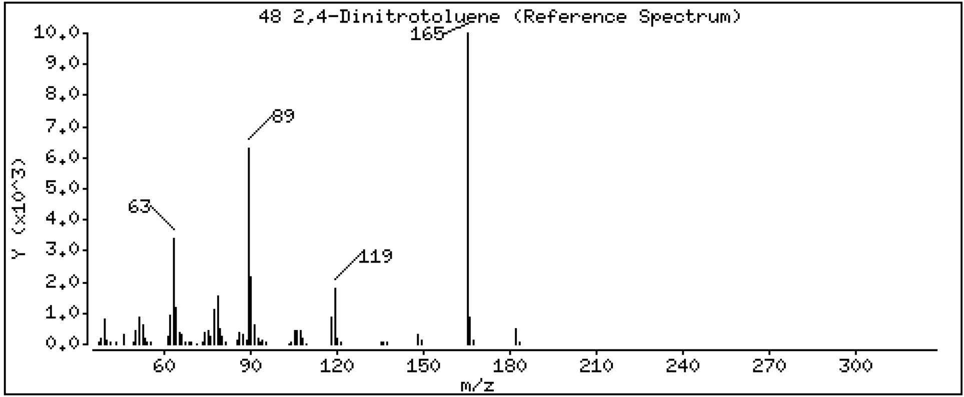
Column diameter: 0.25

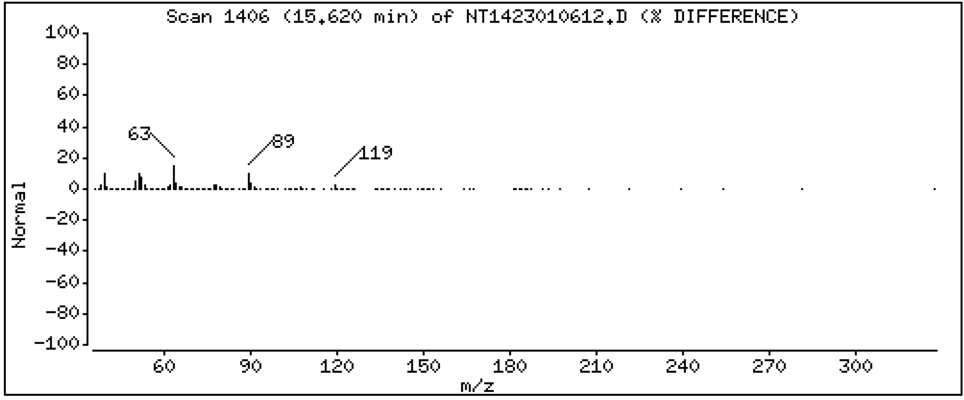
48 2,4-Dinitrotoluene

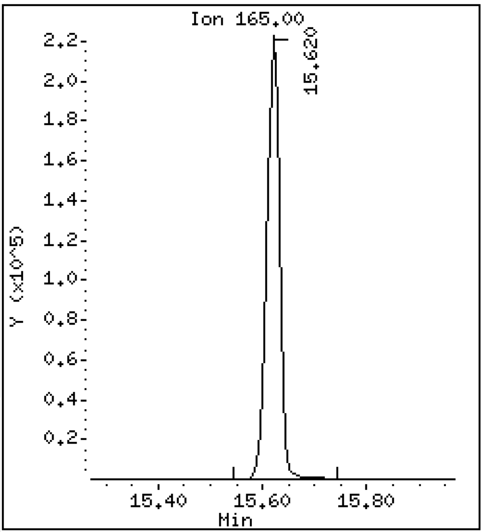
Concentration: 17.06 ug/mL

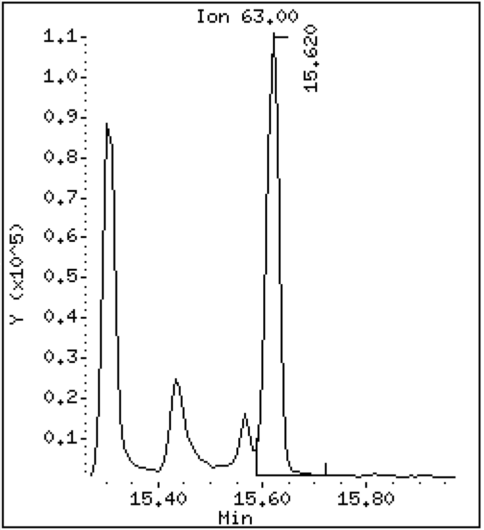


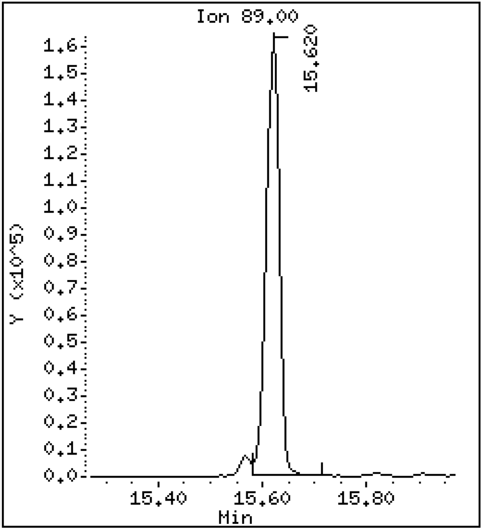












Data File: \\target\share\chem3\nt14.i\20230106.b\NT1423010612.D

Date : 06-JAN-2023 18:14

Client ID:

Instrument: nt14.i

Sample Info: BKL0585-BS1

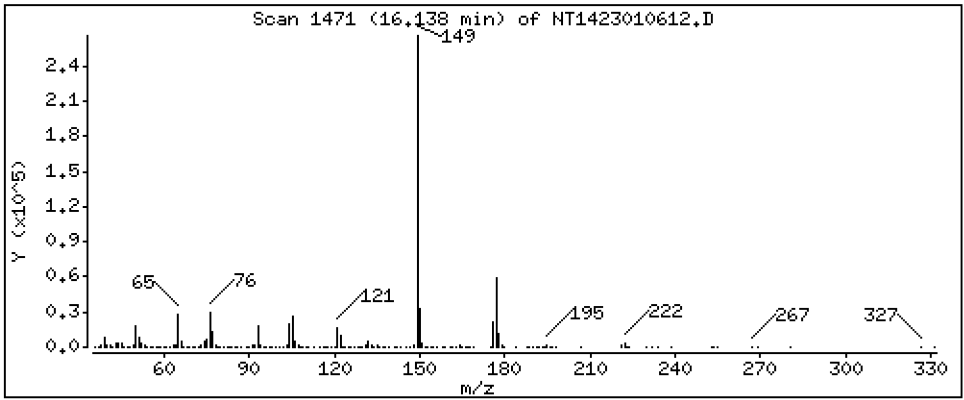
Operator: VTS

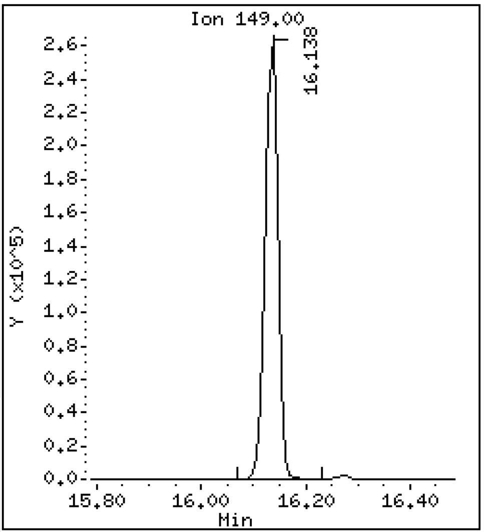
Column phase: ZB-5msi

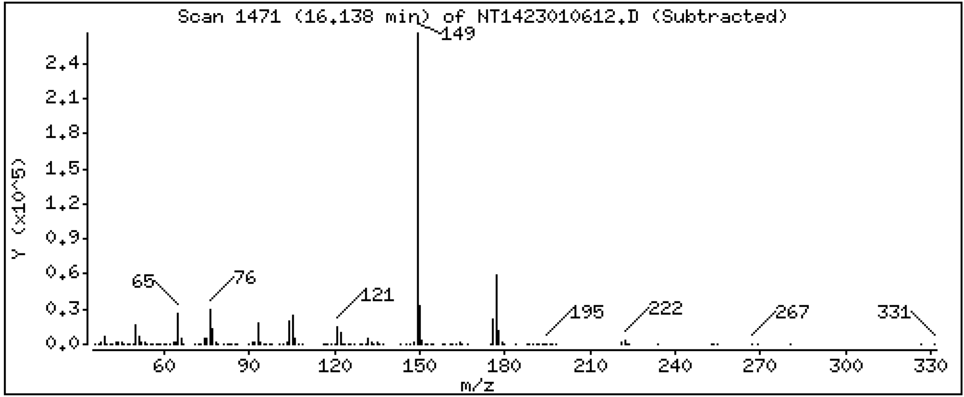
Column diameter: 0.25

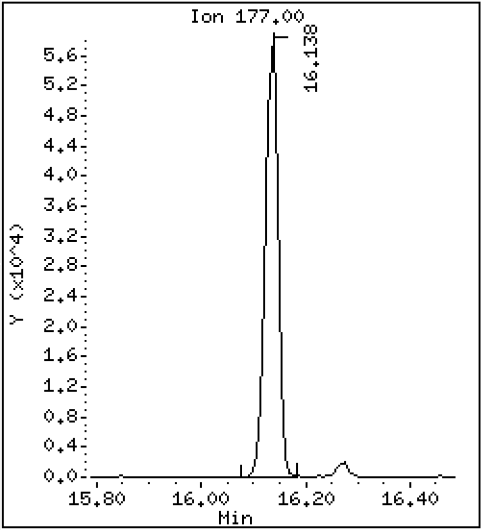
50 Diethylphthalate

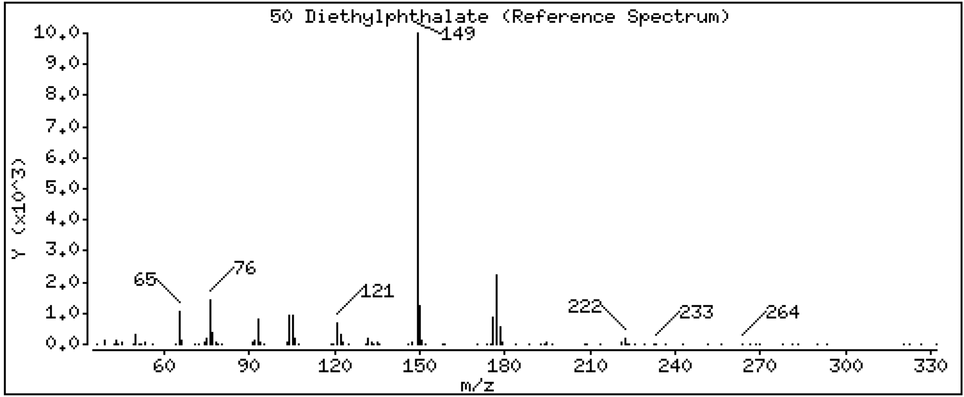
Concentration: 5.101 ug/mL

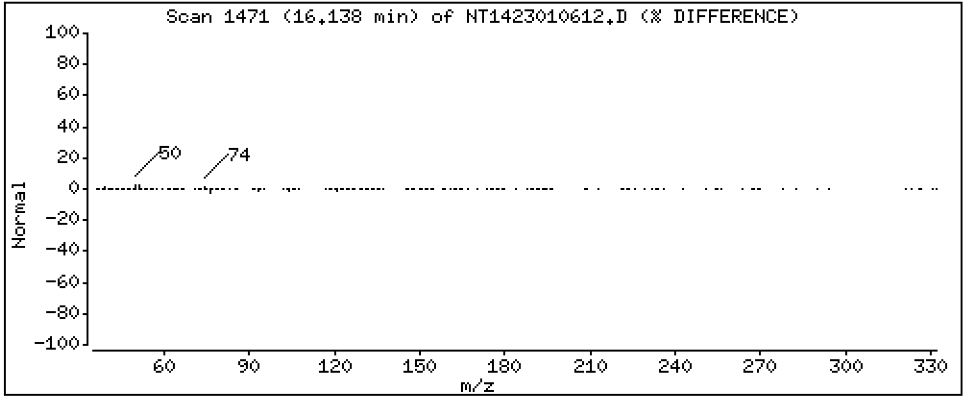


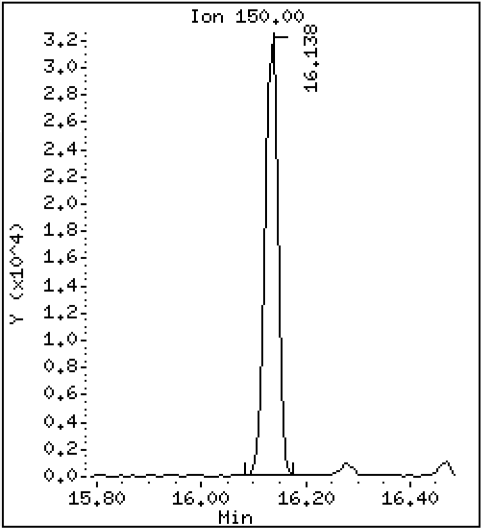












Data File: \\target\share\chem3\nt14.i\20230106.b\NT1423010612.D

Date : 06-JAN-2023 18:14

Client ID:

Instrument: nt14.i

Sample Info: BKL0585-BS1

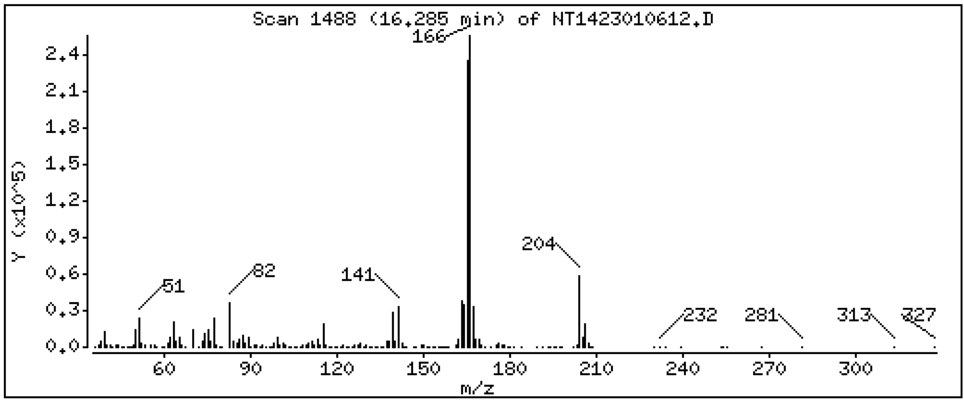
Operator: VTS

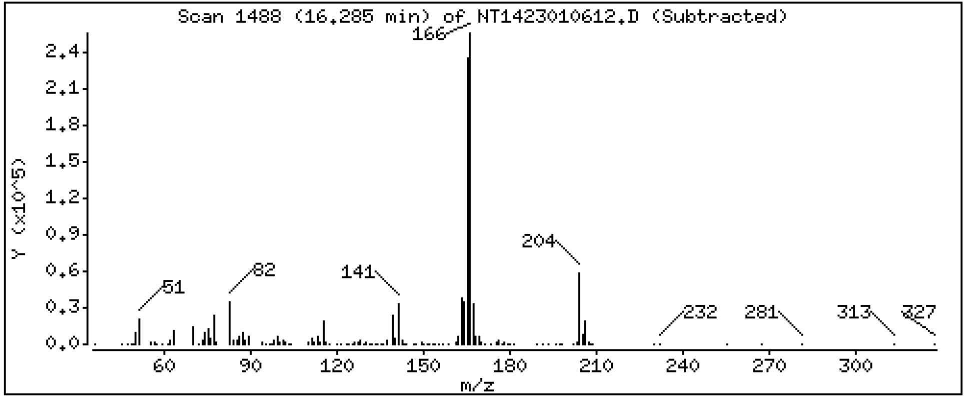
Column phase: ZB-5msi

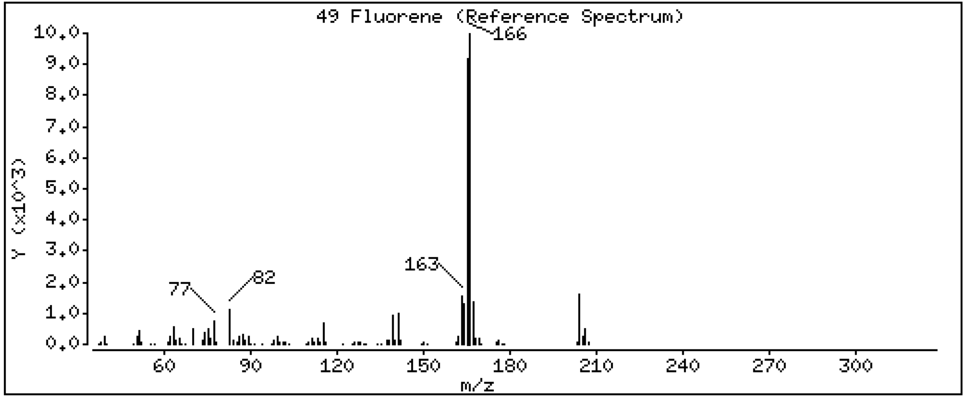
Column diameter: 0.25

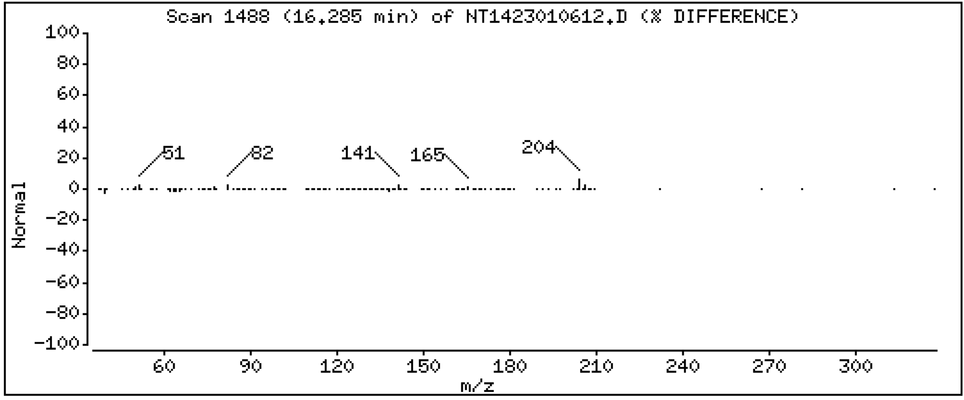
49 Fluorene

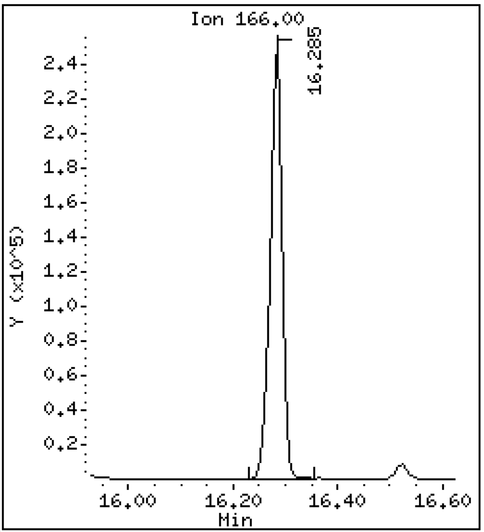
Concentration: 3.849 ug/mL

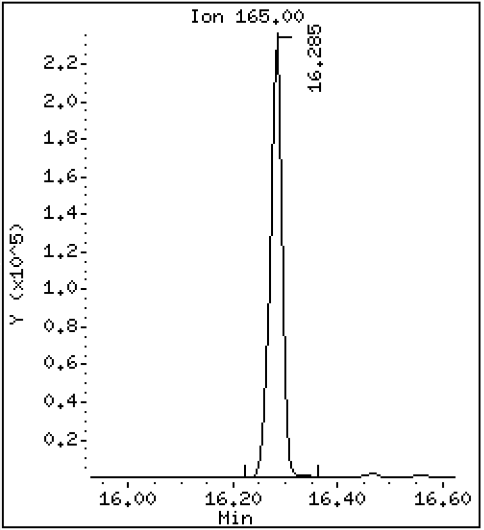


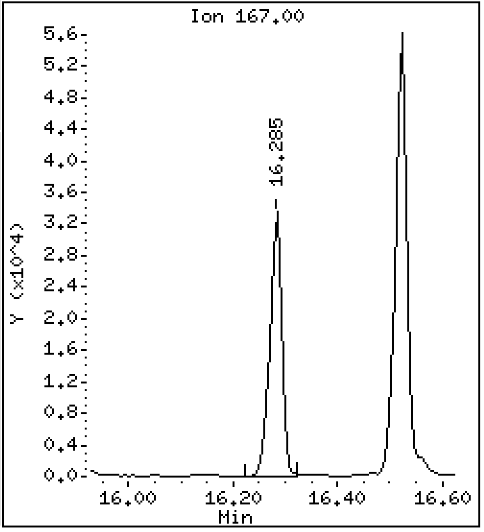












Data File: \\target\share\chem3\nt14.i\20230106.b\NT1423010612.D

Date : 06-JAN-2023 18:14

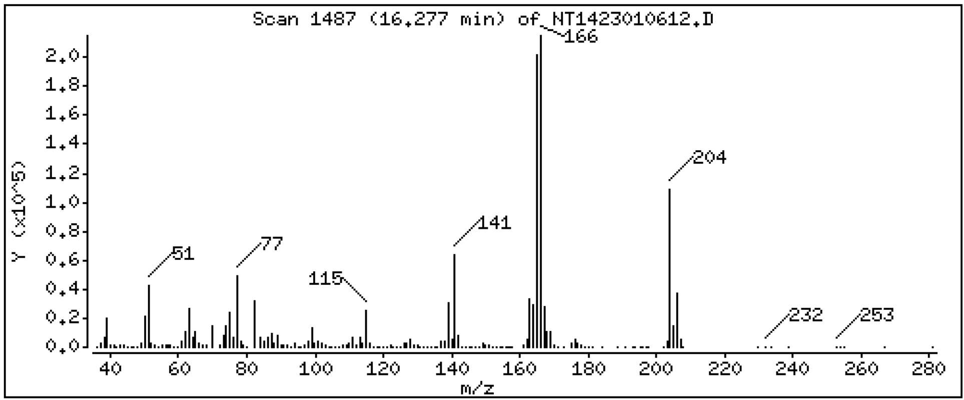
Client ID: Instrument: nt14.i

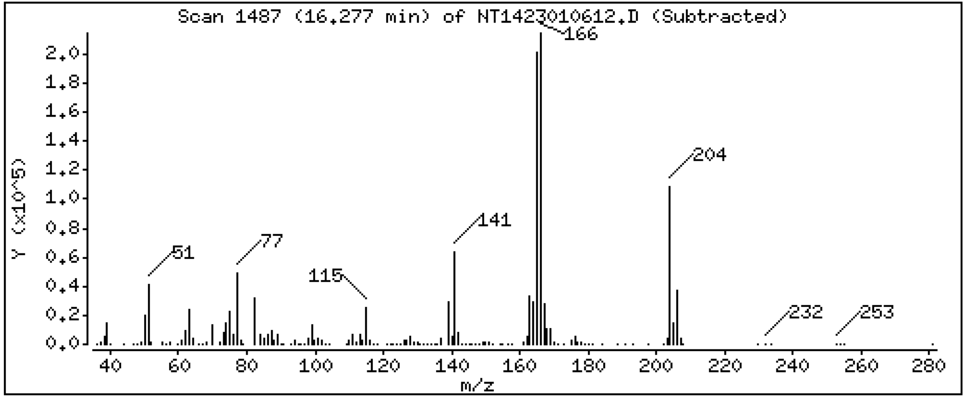
Sample Info: BKL0585-BS1

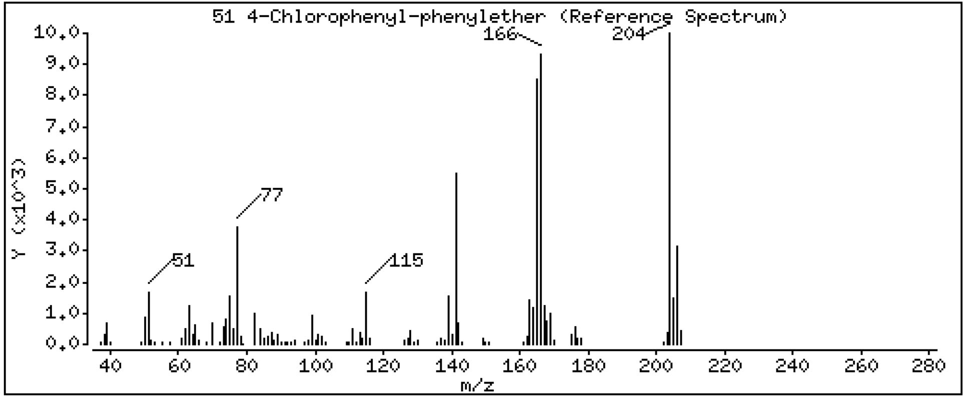
Operator: VTS

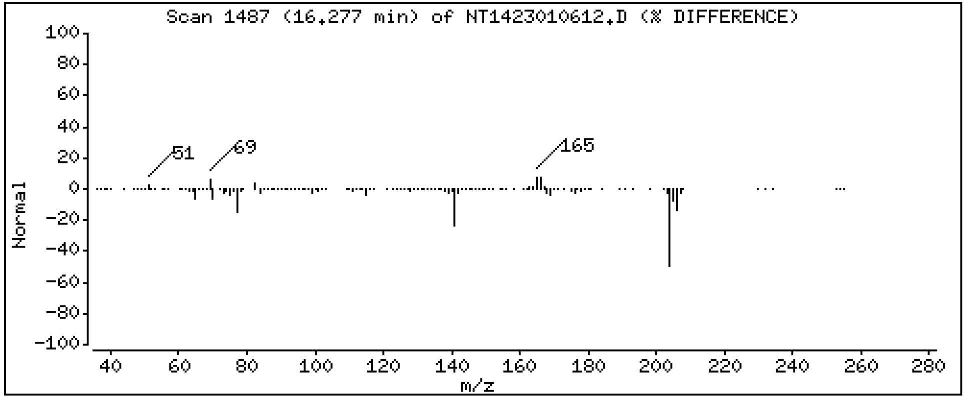
Column phase: ZB-5msi Column diameter: 0.25

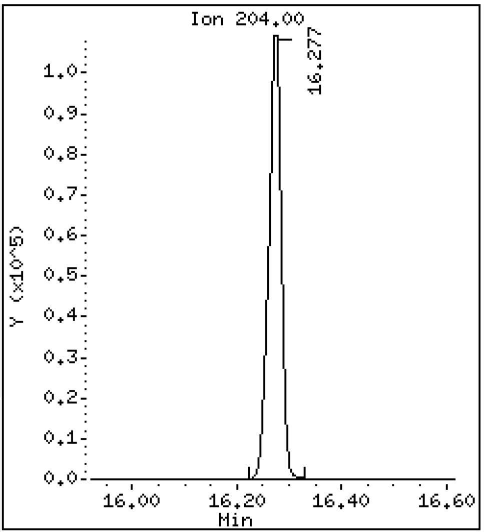
51 4-Chlorophenyl-phenylether Concentration: 3.583 ug/mL

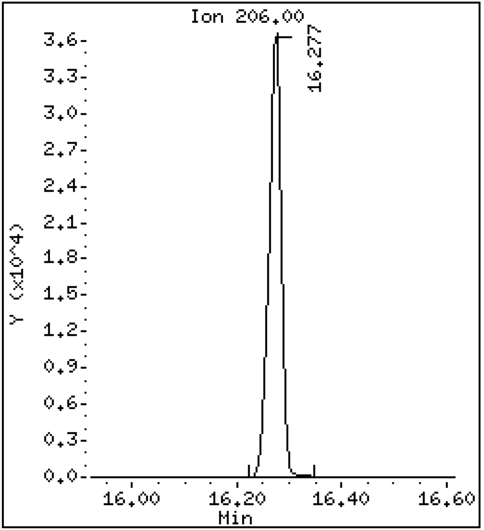

Scan 1487 (16.277 min) of NT1423010612.D

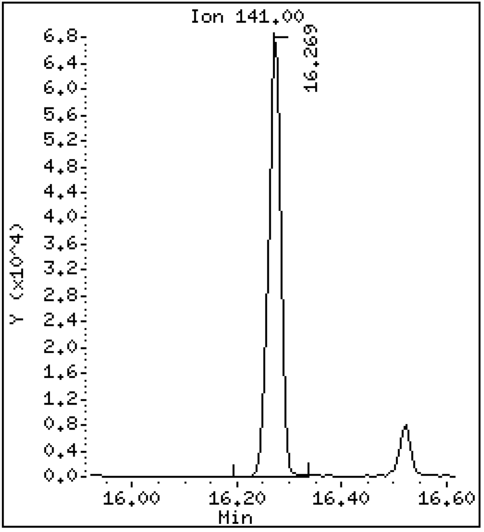

Scan 1487 (16.277 min) of NT1423010612.D (Subtracted)


51 4-Chlorophenyl-phenylether (Reference Spectrum)


Scan 1487 (16.277 min) of NT1423010612.D (% DIFFERENCE)


Ion 204.00


Ion 206.00


Ion 141.00

Data File: \\target\share\chem3\nt14.i\20230106.b\NT1423010612.D

Date : 06-JAN-2023 18:14

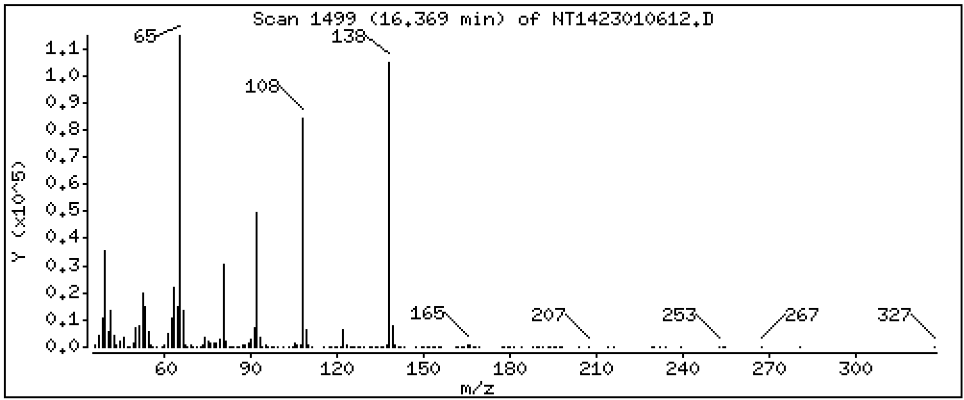
Client ID: Instrument: nt14.i

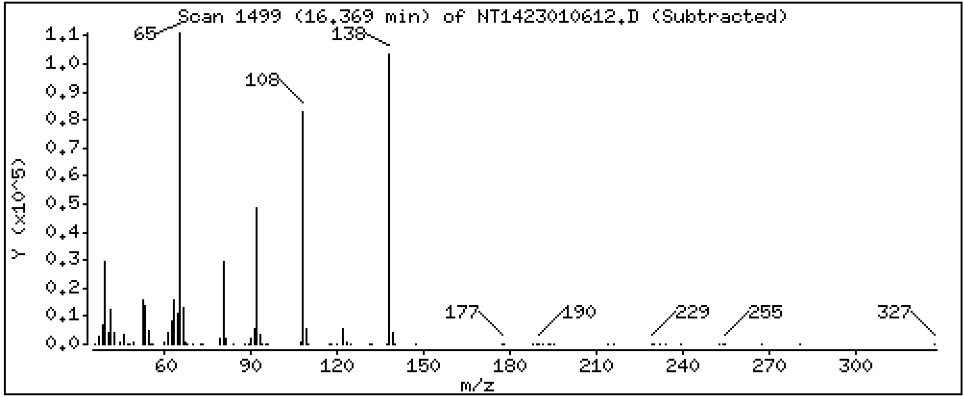
Sample Info: BKL0585-BS1

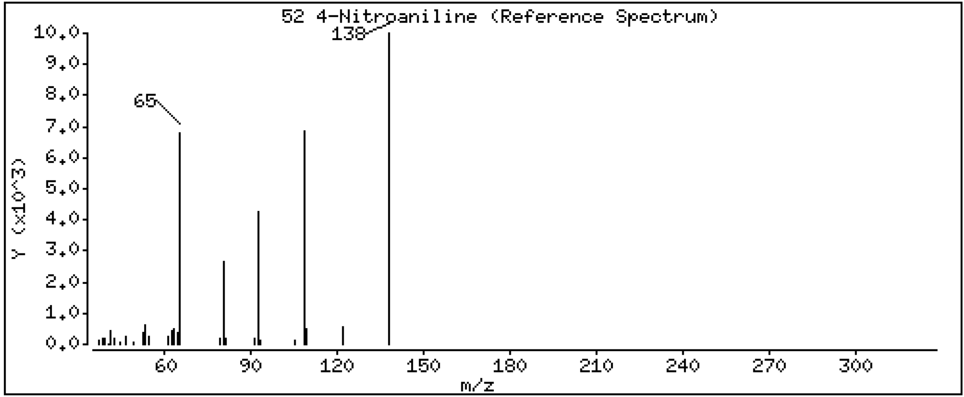
Operator: VTS

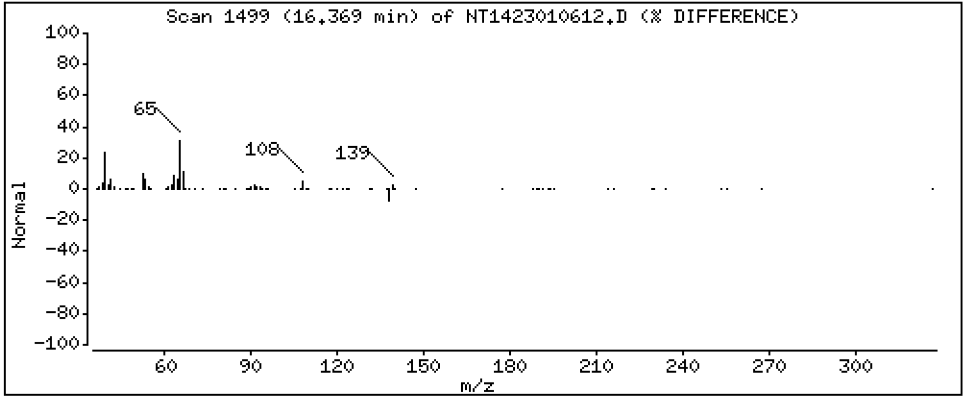
Column phase: ZB-5msi Column diameter: 0.25

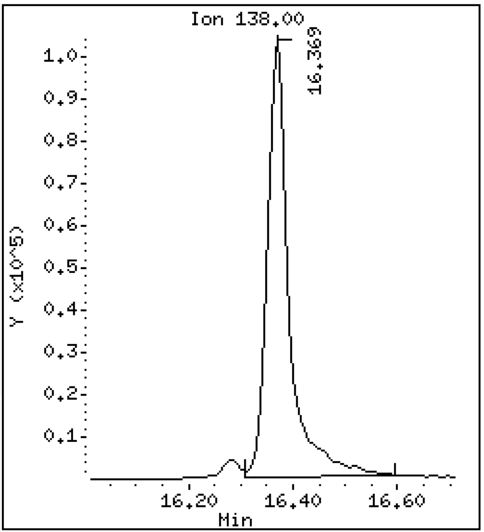
52 4-Nitroaniline Concentration: 12.74 ug/mL

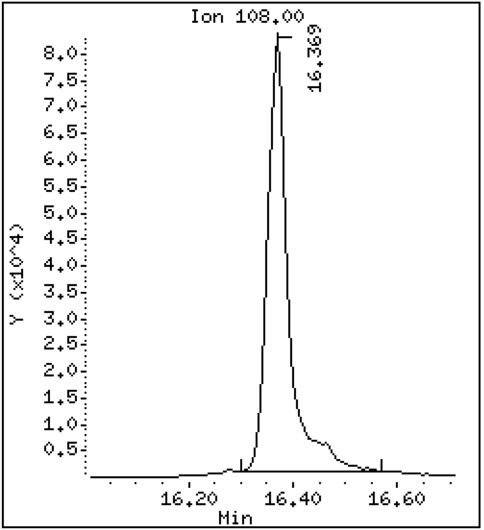

Scan 1499 (16.369 min) of NT1423010612.D

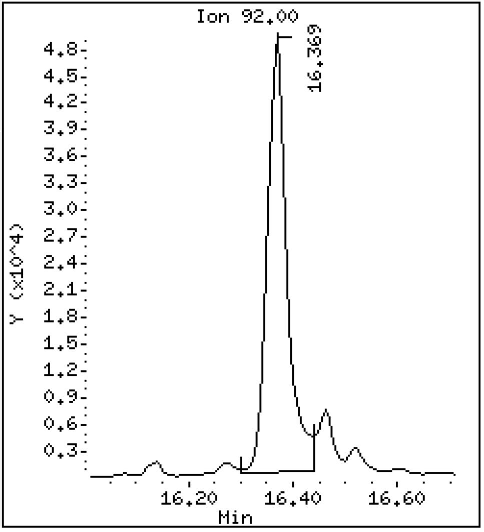

Scan 1499 (16.369 min) of NT1423010612.D (Subtracted)


52 4-Nitroaniline (Reference Spectrum)


Scan 1499 (16.369 min) of NT1423010612.D (% DIFFERENCE)


Ion 138.00


Ion 108.00


Ion 92.00

Data File: \\target\share\chem3\nt14.i\20230106.b\NT1423010612.D

Date : 06-JAN-2023 18:14

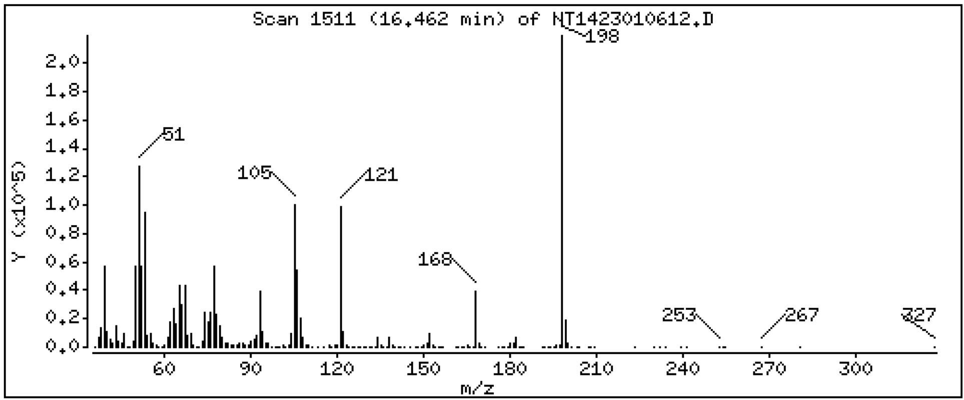
Client ID: Instrument: nt14.i

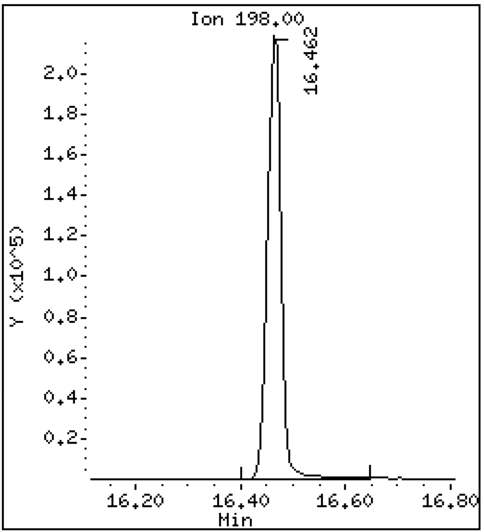
Sample Info: BKL0585-BS1

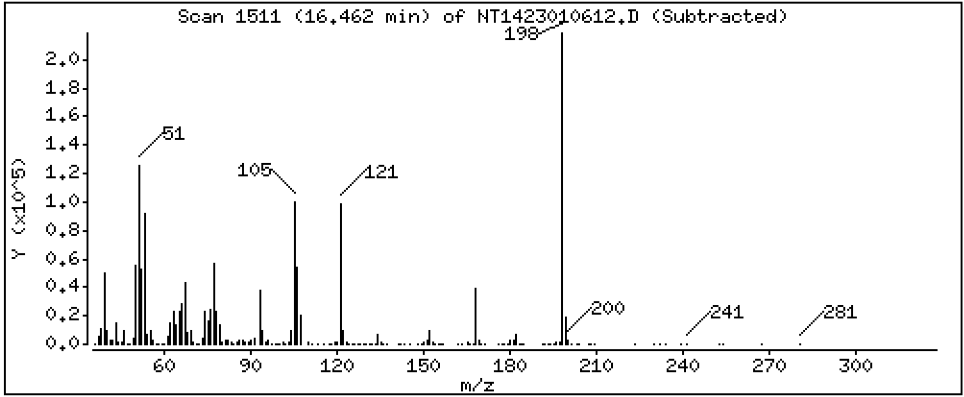
Operator: VTS

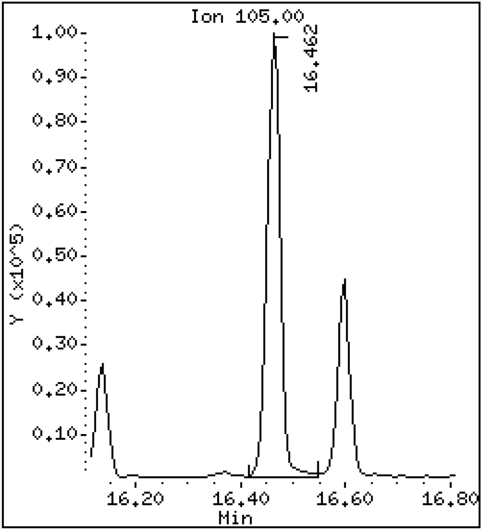
Column phase: ZB-5msi Column diameter: 0.25

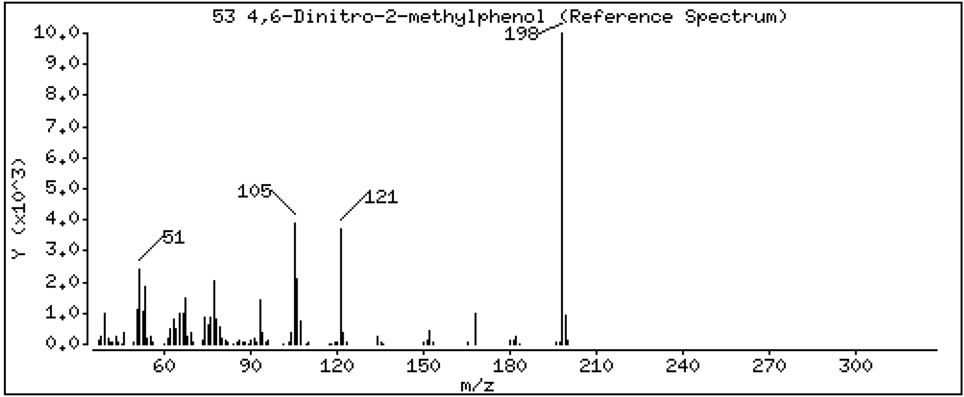
53 4,6-Dinitro-2-methylphenol Concentration: 20.54 ug/mL

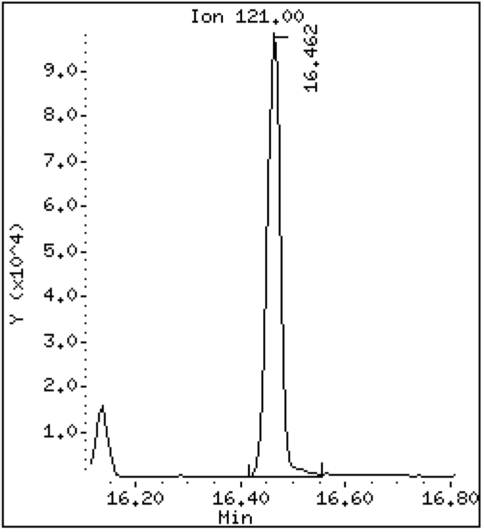


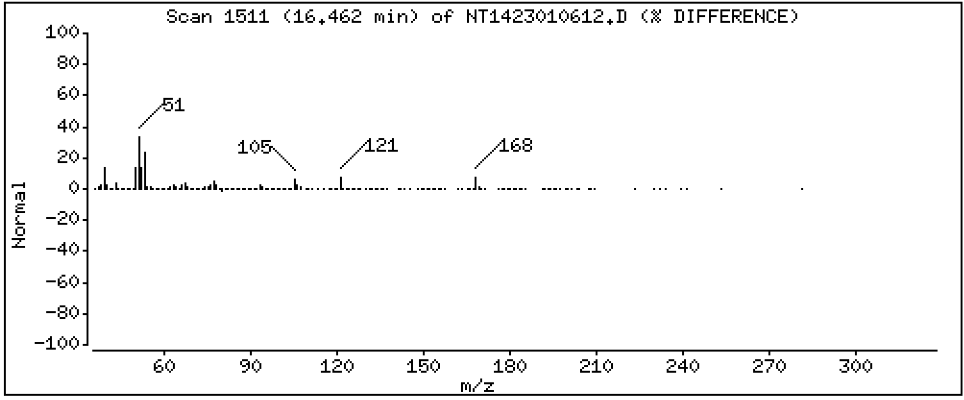












Data File: \\target\share\chem3\nt14.i\20230106.b\NT1423010612.D

Date : 06-JAN-2023 18:14

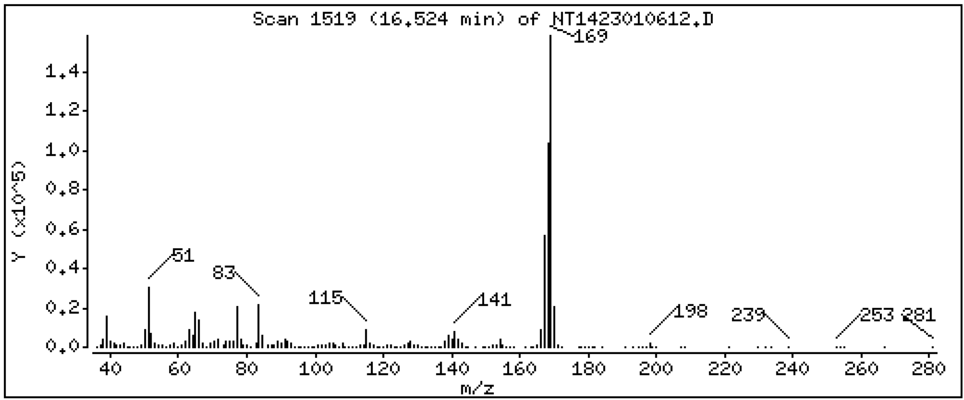
Client ID: Instrument: nt14.i

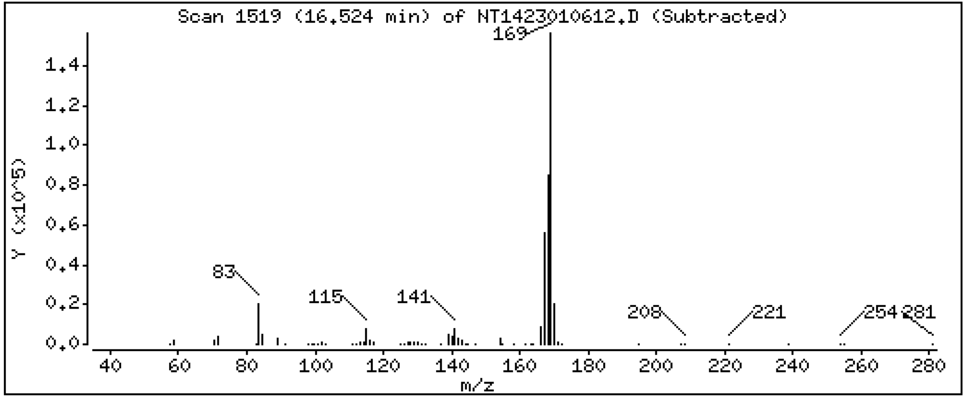
Sample Info: BKL0585-BS1

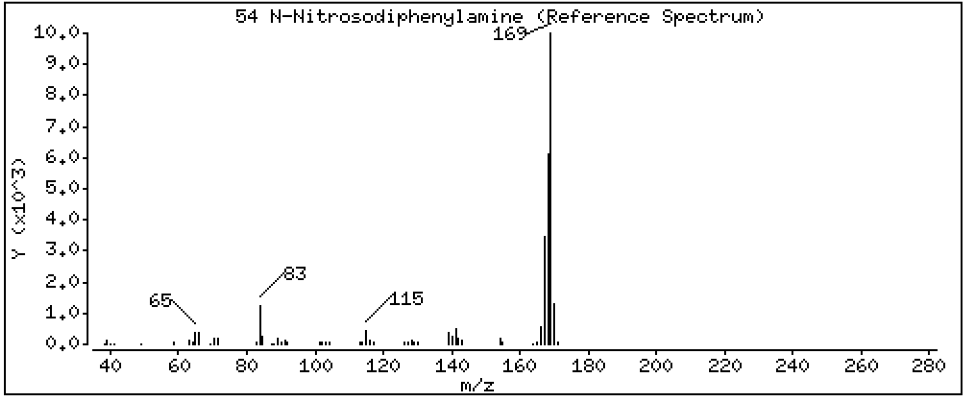
Operator: VTS

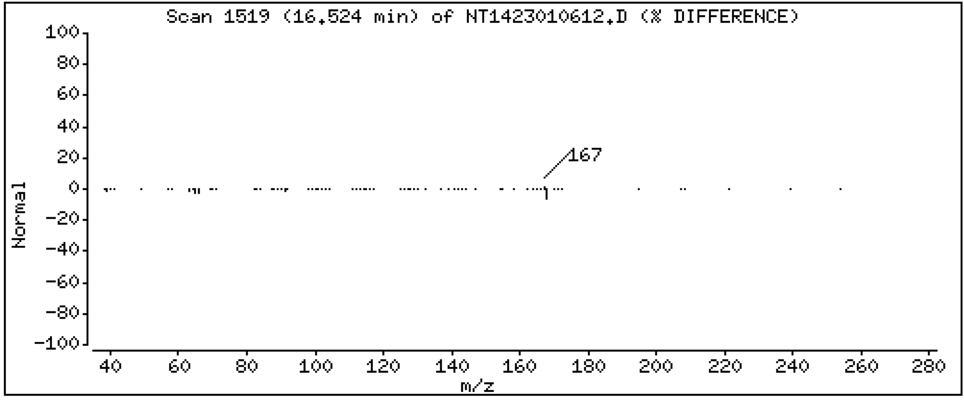
Column phase: ZB-5msi Column diameter: 0.25

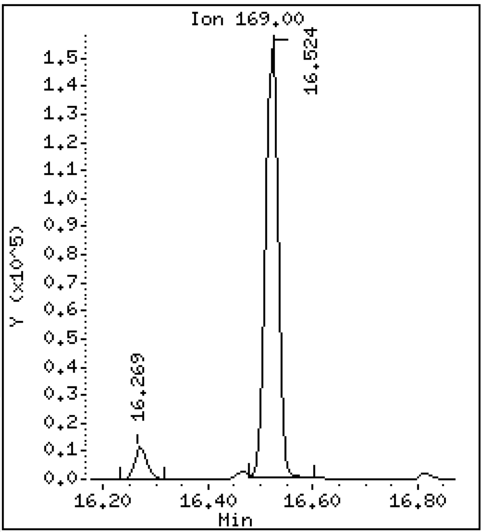
54 N-Nitrosodiphenylamine Concentration: 3.387 ug/mL

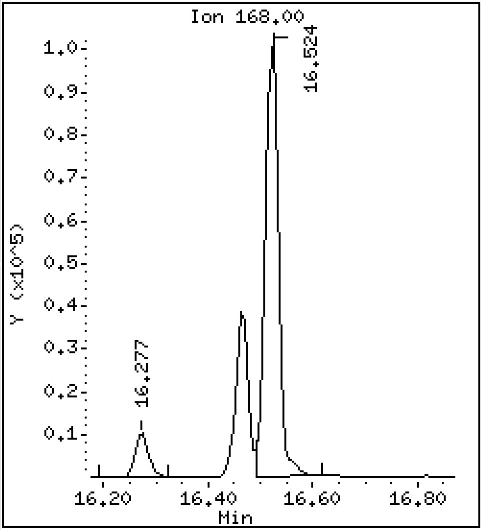

Scan 1519 (16.524 min) of NT1423010612.D


Scan 1519 (16.524 min) of NT1423010612.D (Subtracted)


54 N-Nitrosodiphenylamine (Reference Spectrum)


Scan 1519 (16.524 min) of NT1423010612.D (% DIFFERENCE)


Ion 169.00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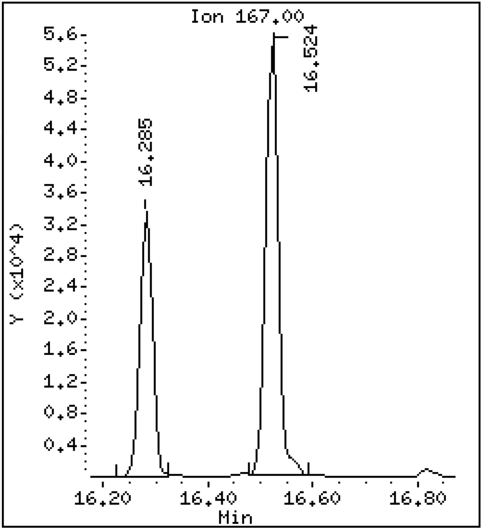
Ion 167.00

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Date : 06-JAN-2023 18:14

Client ID:

Instrument: nt14.i

Sample Info: BKL0585-BS1

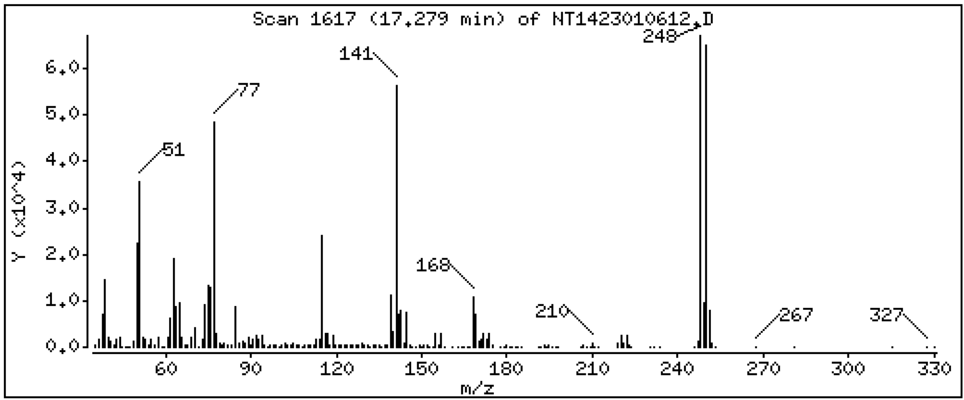
Operator: VTS

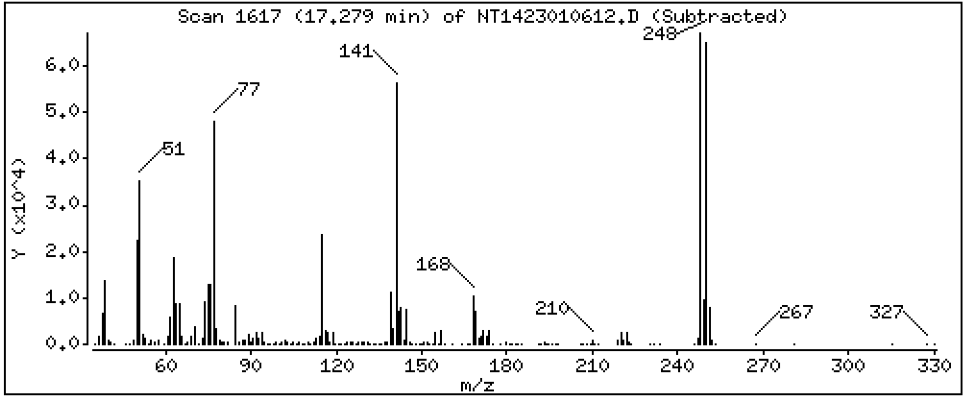
Column phase: ZB-5msi

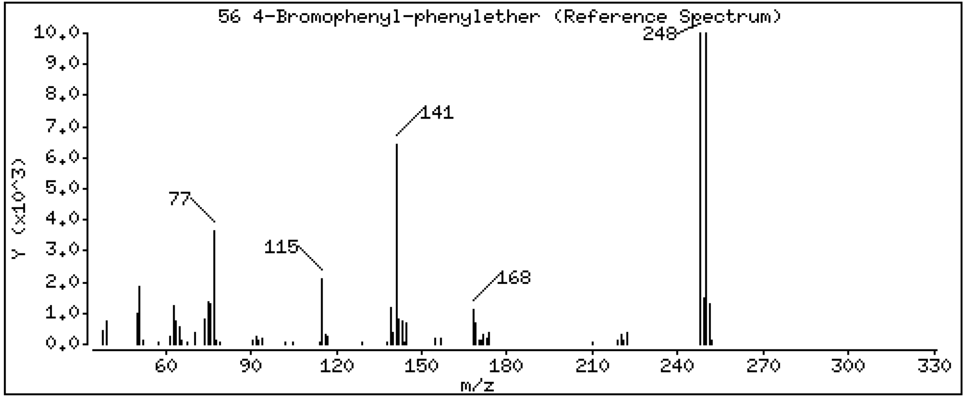
Column diameter: 0.25

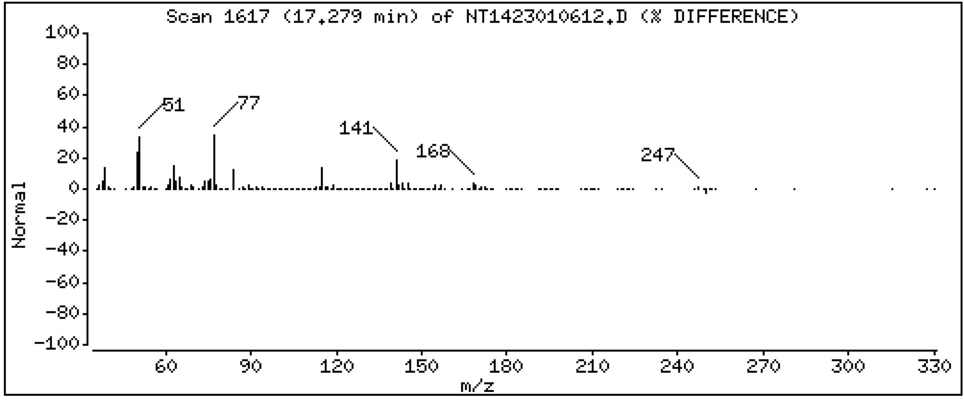
56 4-Bromophenyl-phenylether

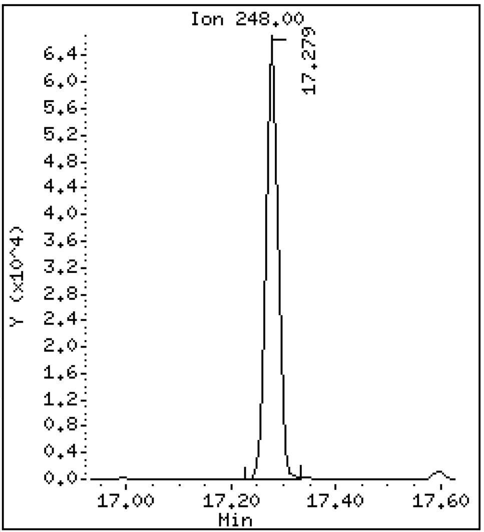
Concentration: 3.797 ug/mL


Scan 1617 (17.279 min) of NT1423010612.D


Scan 1617 (17.279 min) of NT1423010612.D (Subtracted)


56 4-Bromophenyl-phenylether (Reference Spectrum)


Scan 1617 (17.279 min) of NT1423010612.D (% DIFFERENCE)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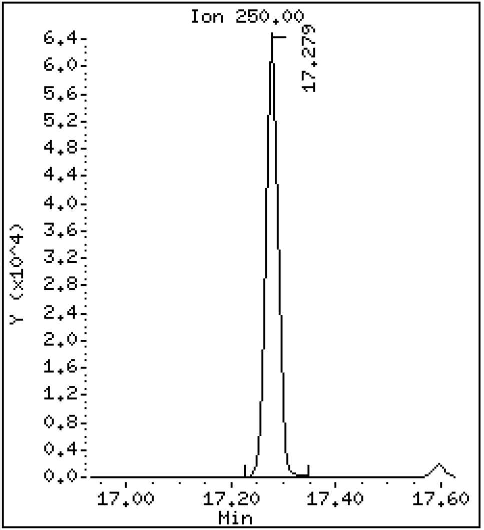
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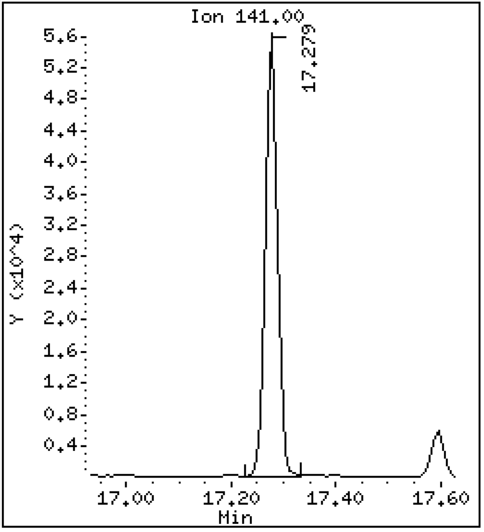
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Date : 06-JAN-2023 18:14

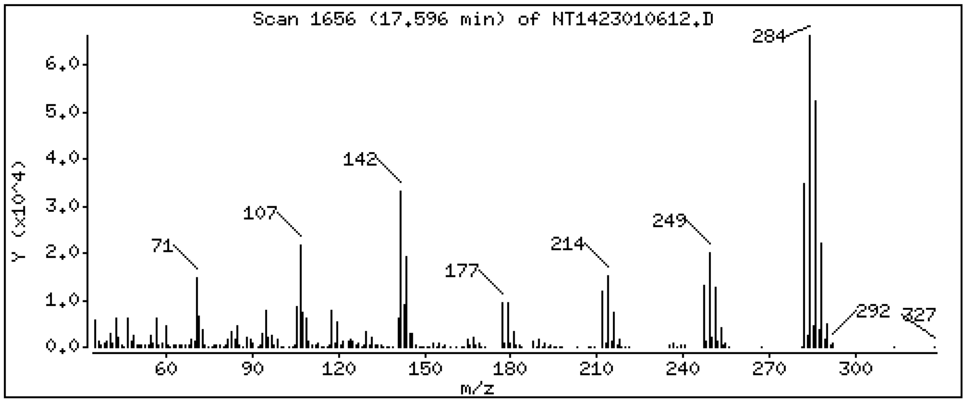
Client ID: Instrument: nt14.i

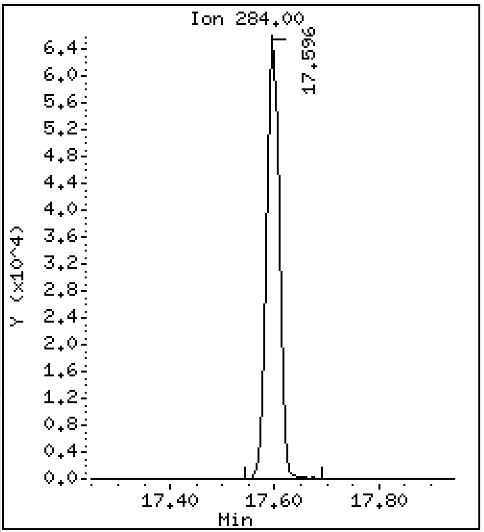
Sample Info: BKL0585-BS1

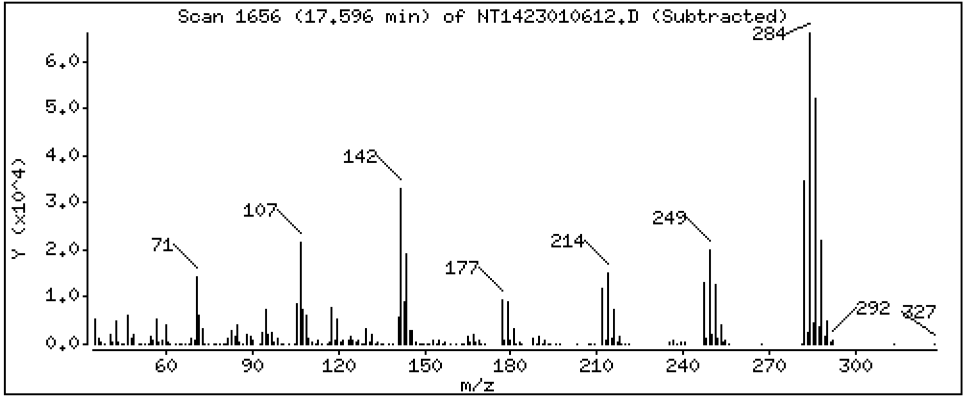
Operator: VTS

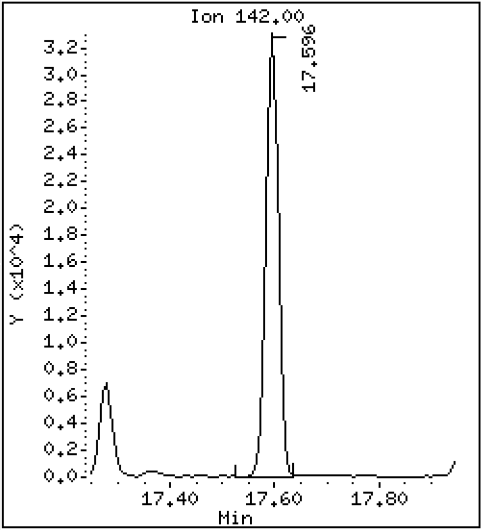
Column phase: ZB-5msi Column diameter: 0.25

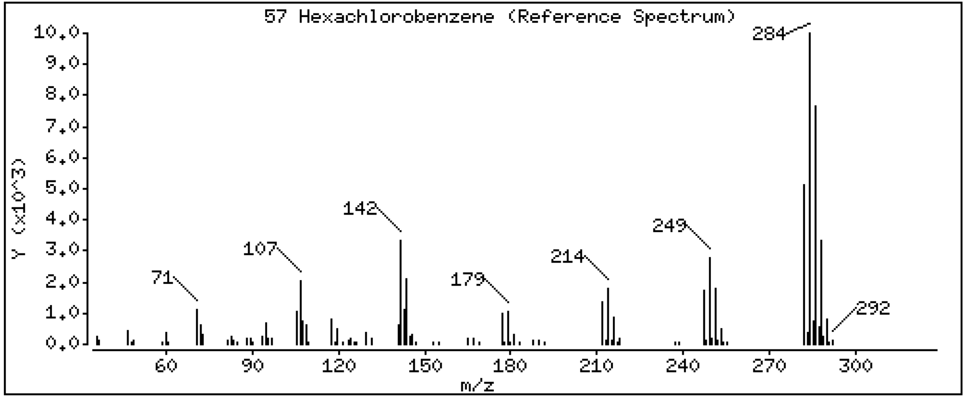
57 Hexachlorobenzene Concentration: 3.476 ug/mL

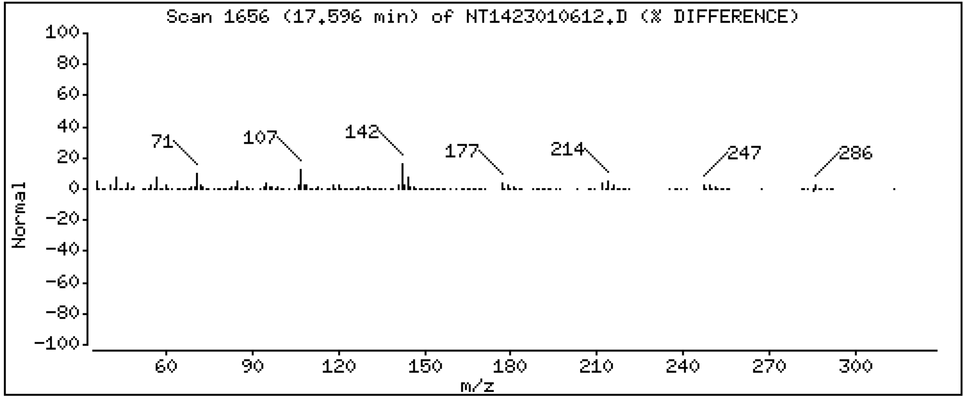


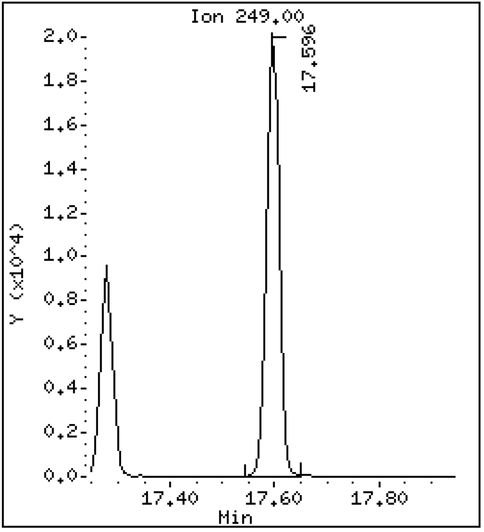












Data File: \\target\share\chem3\nt14.i\20230106.b\NT1423010612.D

Date : 06-JAN-2023 18:14

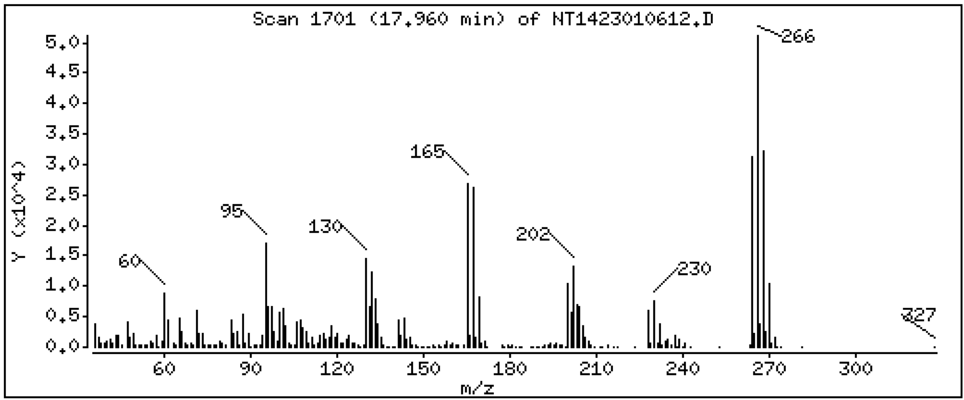
Client ID: Instrument: nt14.i

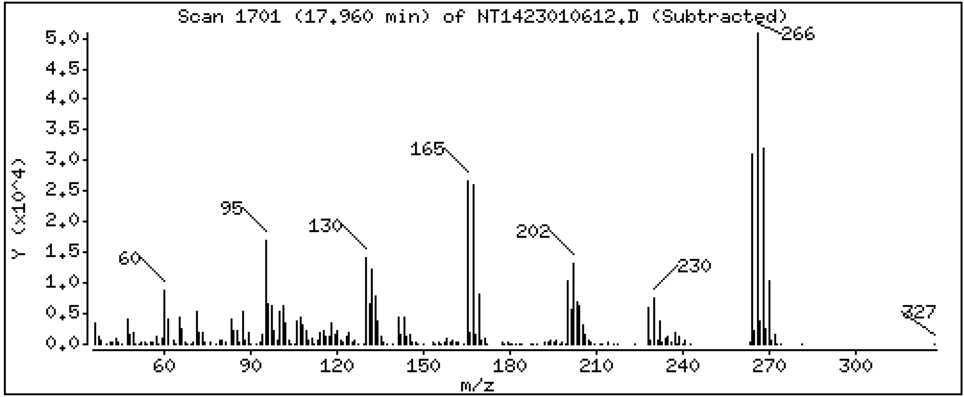
Sample Info: BKL0585-BS1

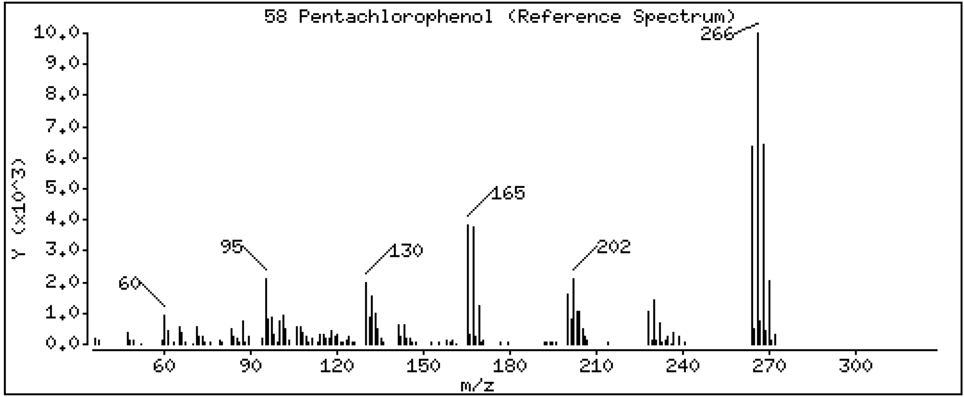
Operator: VTS

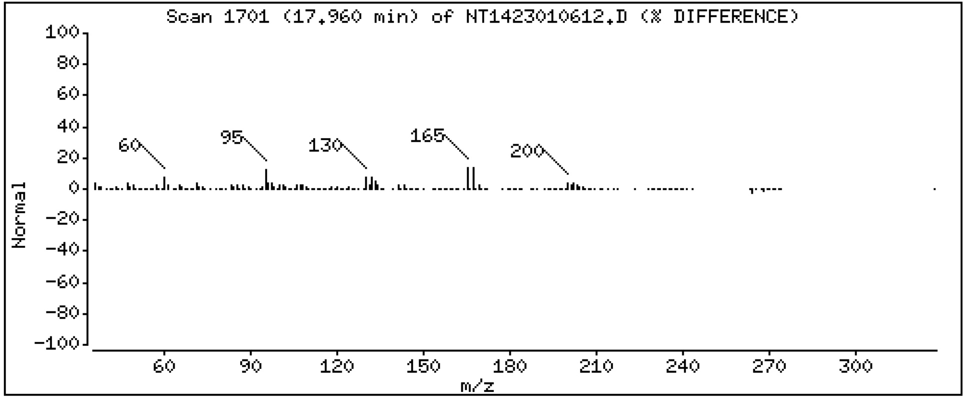
Column phase: ZB-5msi Column diameter: 0.25

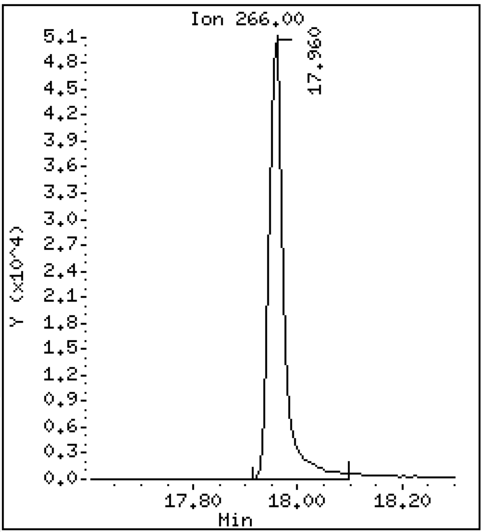
58 Pentachlorophenol Concentration: 7.221 ug/mL

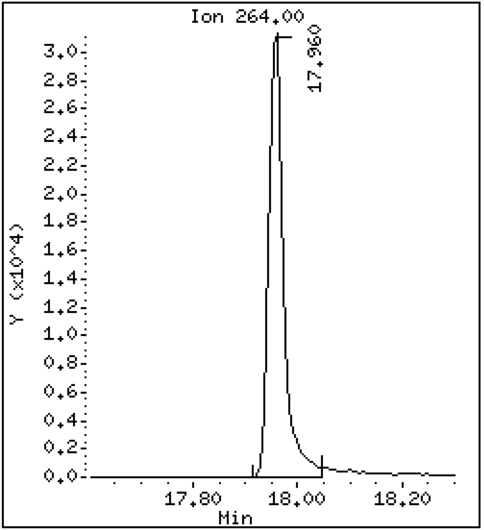

Scan 1701 (17.960 min) of NT1423010612.D

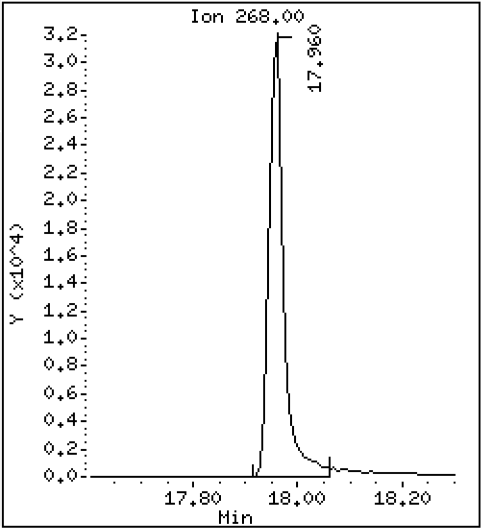

Scan 1701 (17.960 min) of NT1423010612.D (Subtracted)


58 Pentachlorophenol (Reference Spectrum)


Scan 1701 (17.960 min) of NT1423010612.D (% DIFFERENCE)


Ion 266.00


Ion 264.00


Ion 268.00

Data File: \\target\share\chem3\nt14.i\20230106.b\NT1423010612.D

Date : 06-JAN-2023 18:14

Client ID:

Instrument: nt14.i

Sample Info: BKL0585-BS1

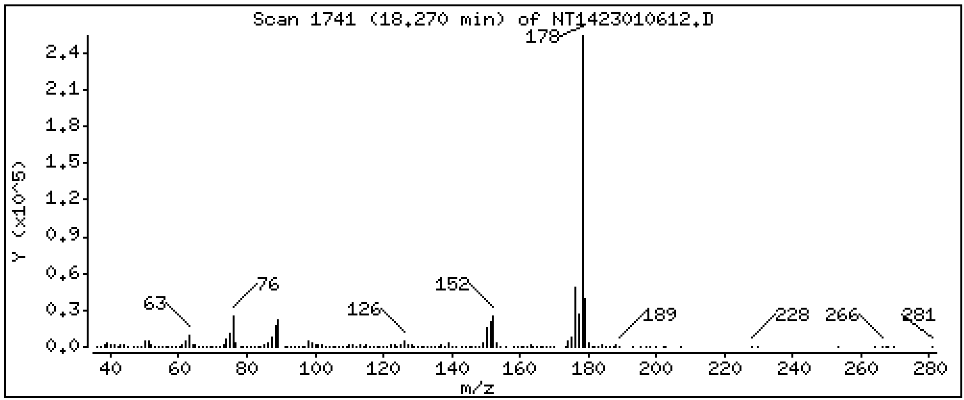
Operator: VTS

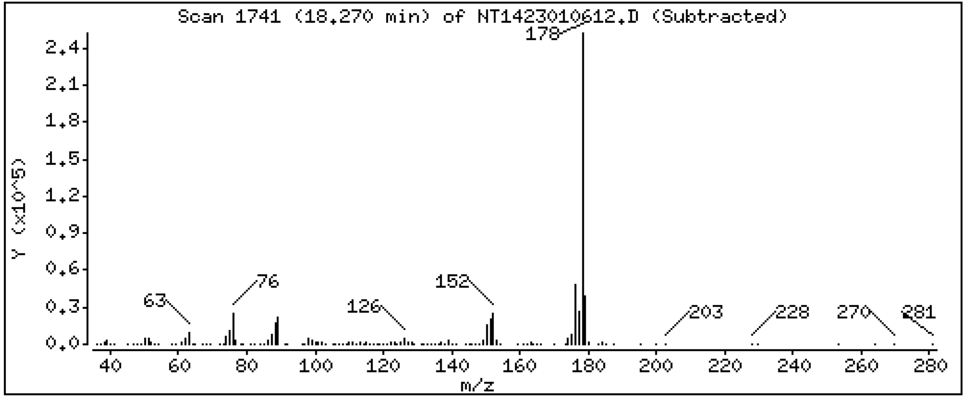
Column phase: ZB-5msi

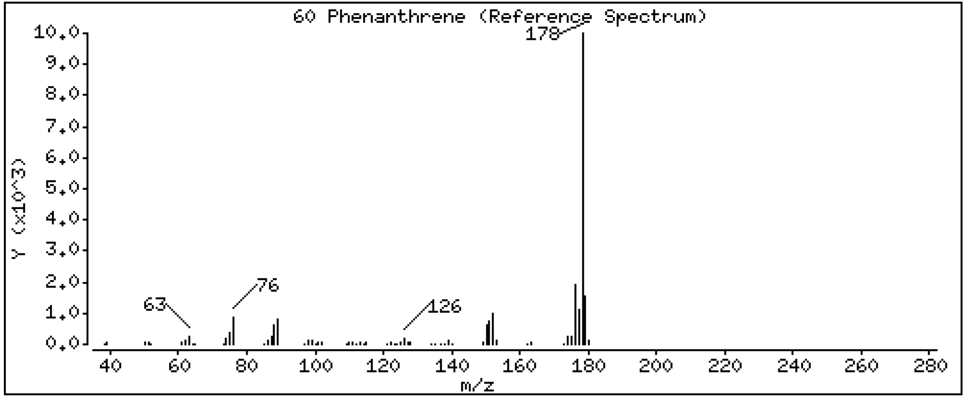
Column diameter: 0.25

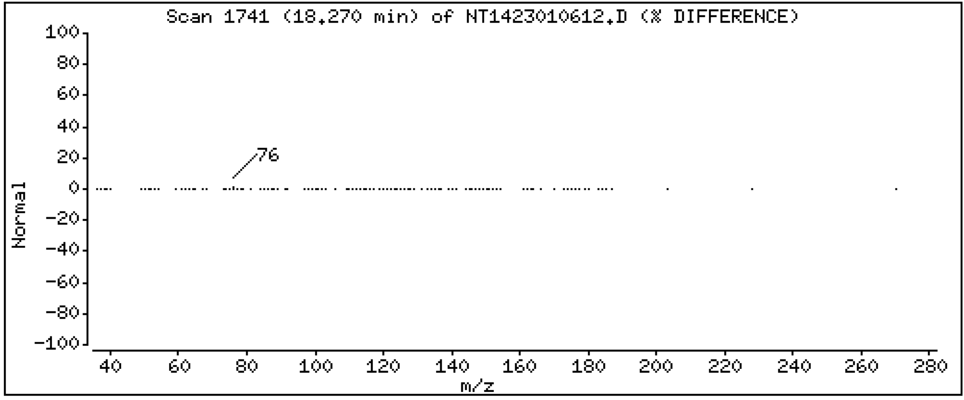
60 Phenanthrene

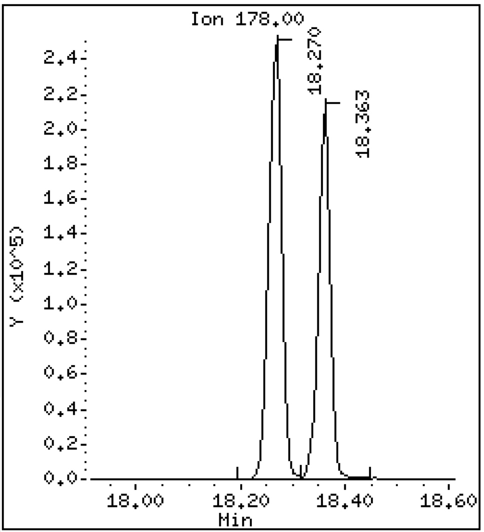
Concentration: 3.825 ug/mL

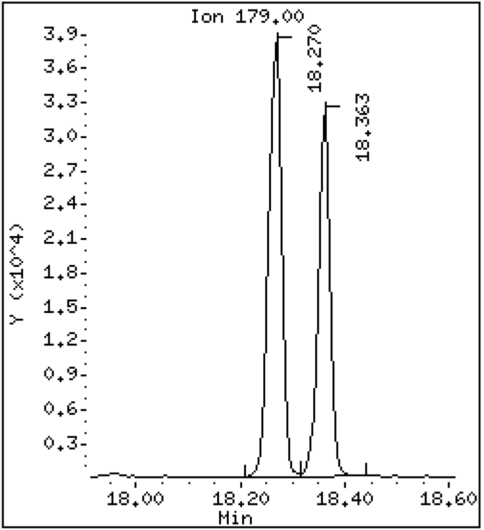


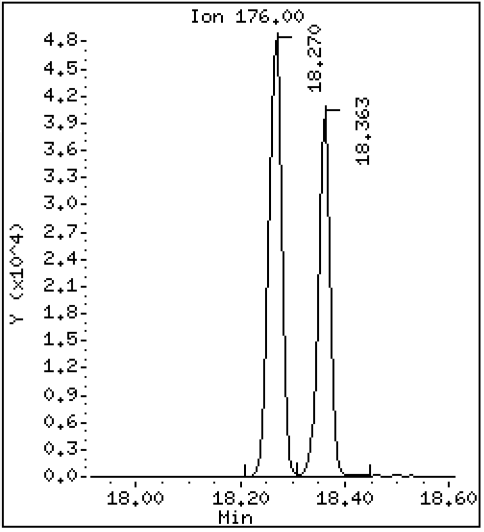












Data File: \\target\share\chem3\nt14.i\20230106.b\NT1423010612.D

Date : 06-JAN-2023 18:14

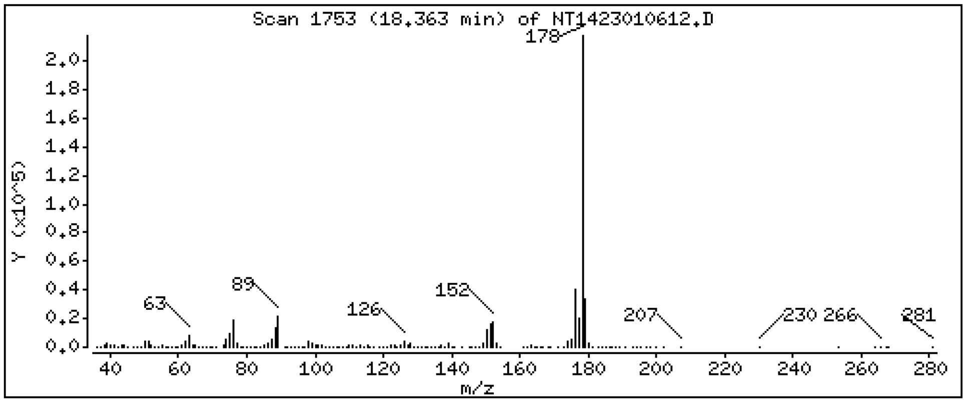
Client ID: Instrument: nt14.i

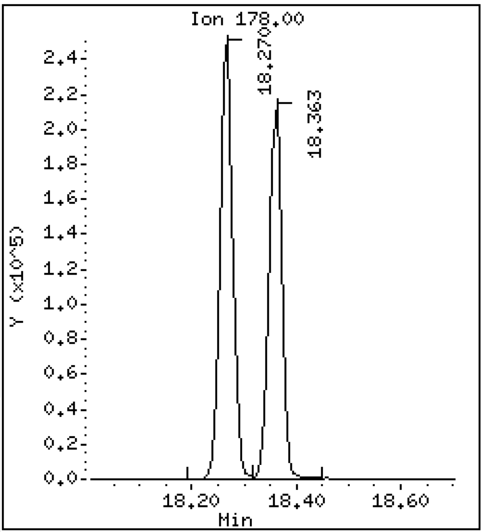
Sample Info: BKL0585-BS1

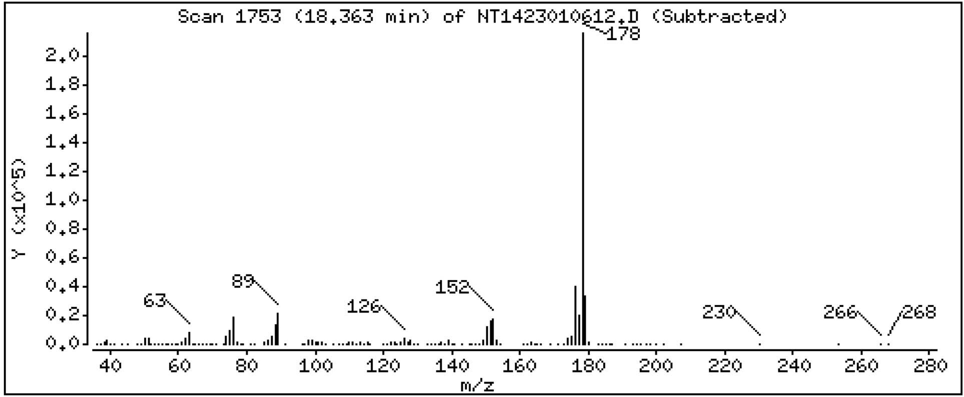
Operator: VTS

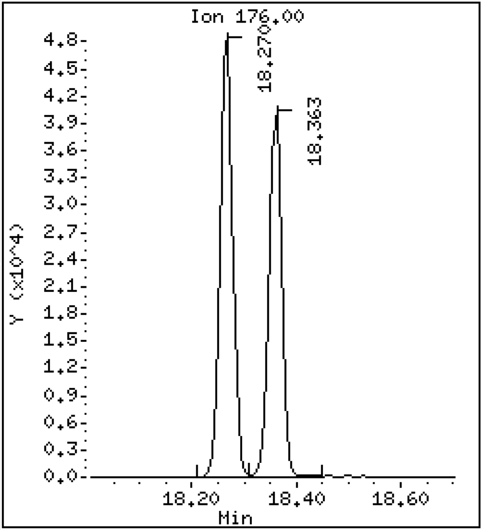
Column phase: ZB-5msi Column diameter: 0.25

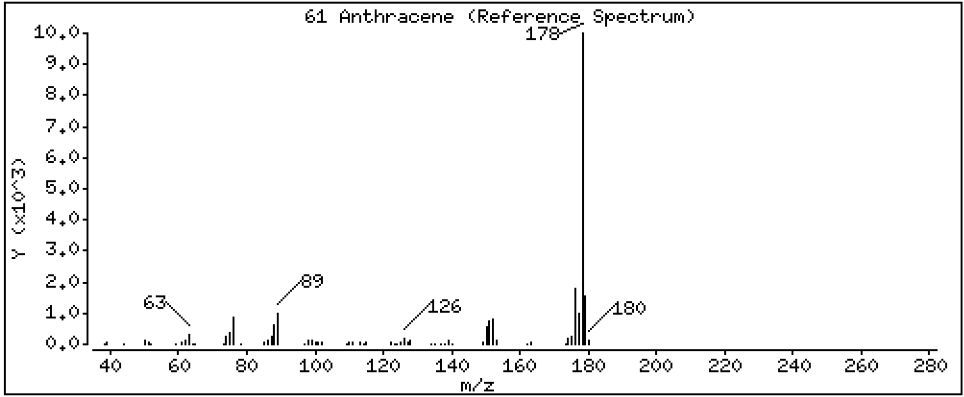
61 Anthracene Concentration: 3.276 ug/mL

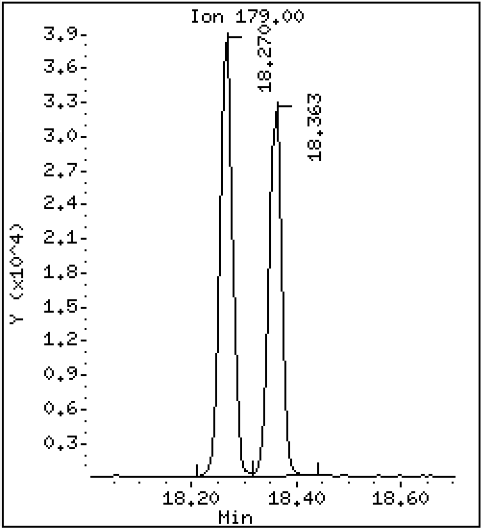

Scan 1753 (18.363 min) of NT1423010612.D

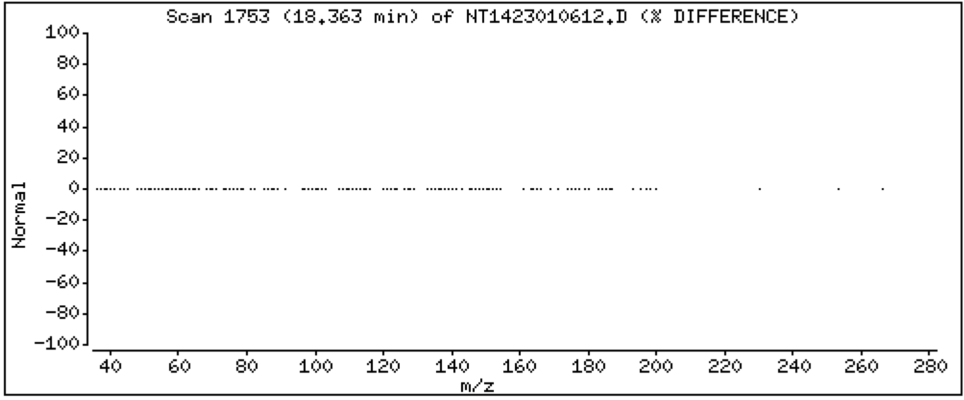

Ion 178.00


Scan 1753 (18.363 min) of NT1423010612.D (Subtracted)


Ion 176.00


61 Anthracene (Reference Spectrum)


Ion 179.00


Scan 1753 (18.363 min) of NT1423010612.D (% DIFFERENCE)

Data File: \\target\share\chem3\nt14.i\20230106.b\NT1423010612.D

Date : 06-JAN-2023 18:14

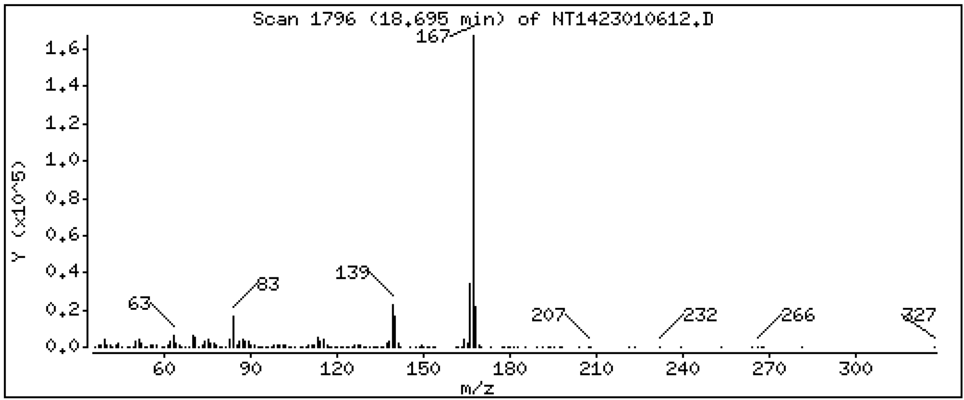
Client ID: Instrument: nt14.i

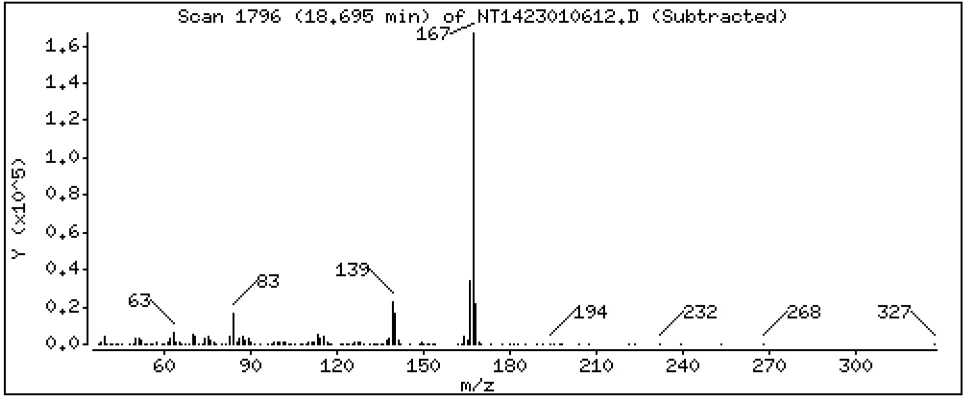
Sample Info: BKL0585-BS1

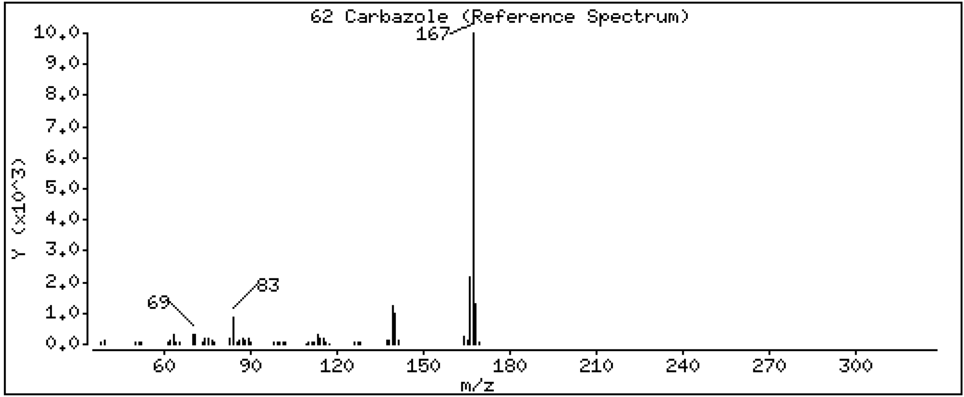
Operator: VTS

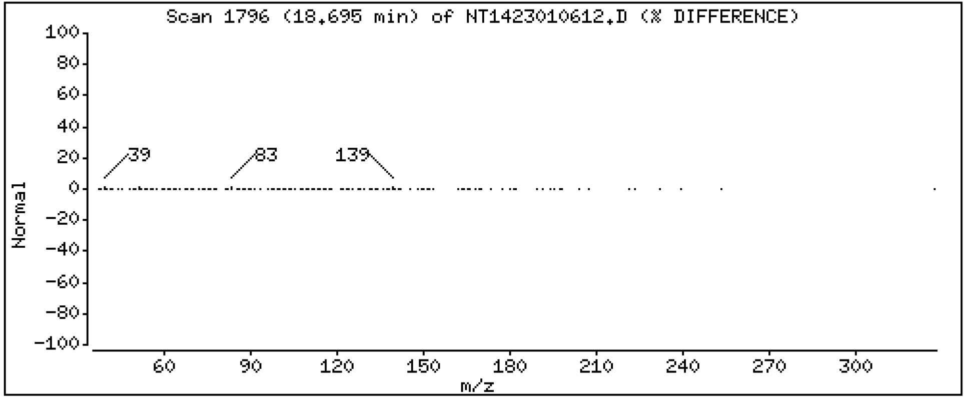
Column phase: ZB-5msi Column diameter: 0.25

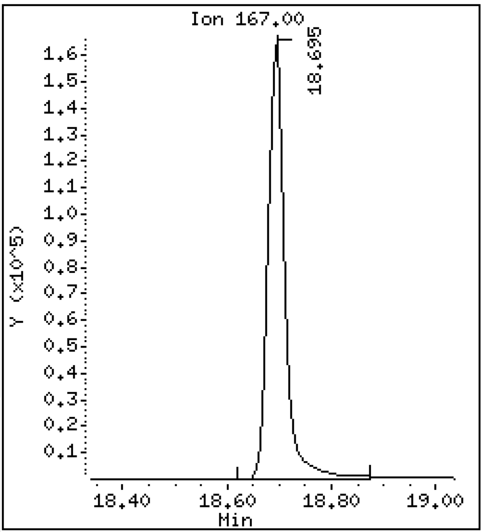
62 Carbazole Concentration: 3.551 ug/mL

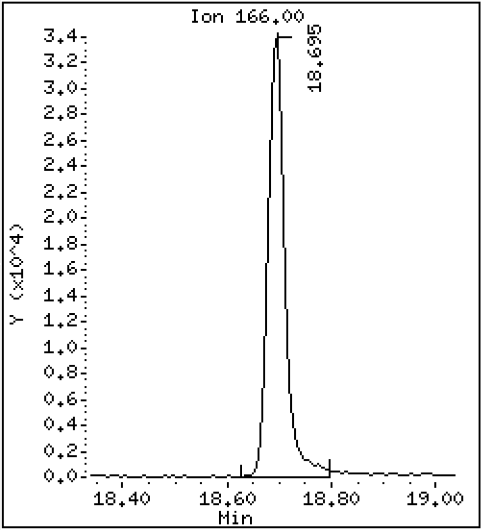

Scan 1796 (18.695 min) of NT1423010612.D

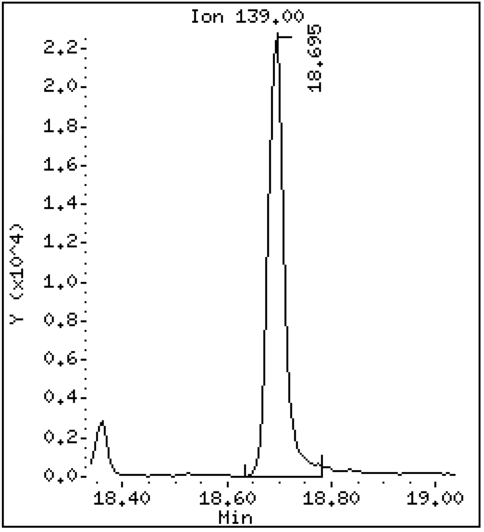

Scan 1796 (18.695 min) of NT1423010612.D (Subtracted)


62 Carbazole (Reference Spectrum)


Scan 1796 (18.695 min) of NT1423010612.D (% DIFFERENCE)


Ion 167.00


Ion 166.00


Ion 139.00

Date : 06-JAN-2023 18:14

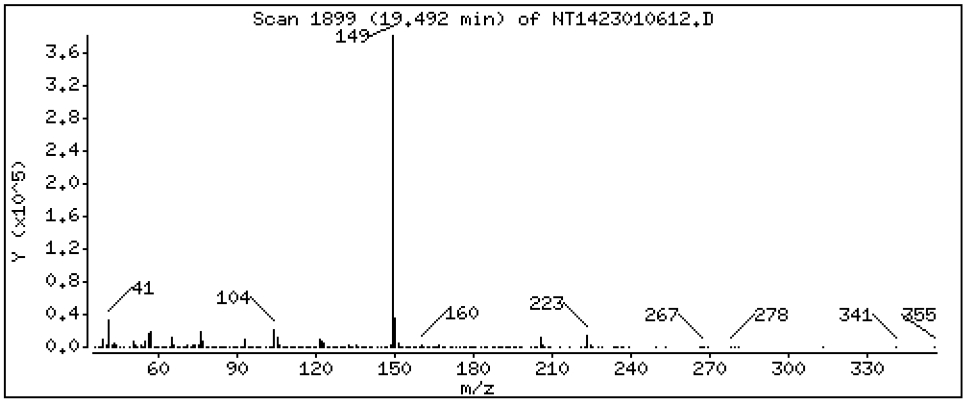
Client ID: Instrument: nt14.i

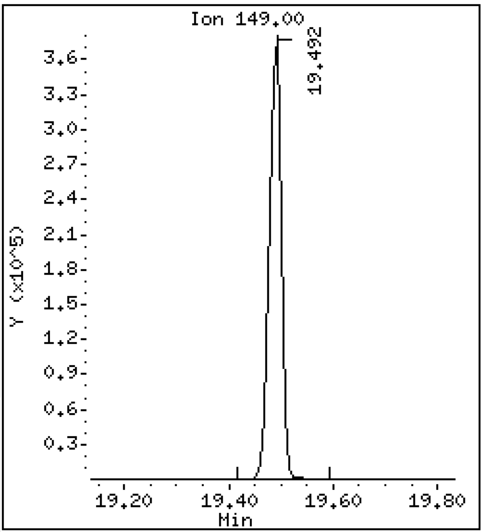
Sample Info: BKL0585-BS1

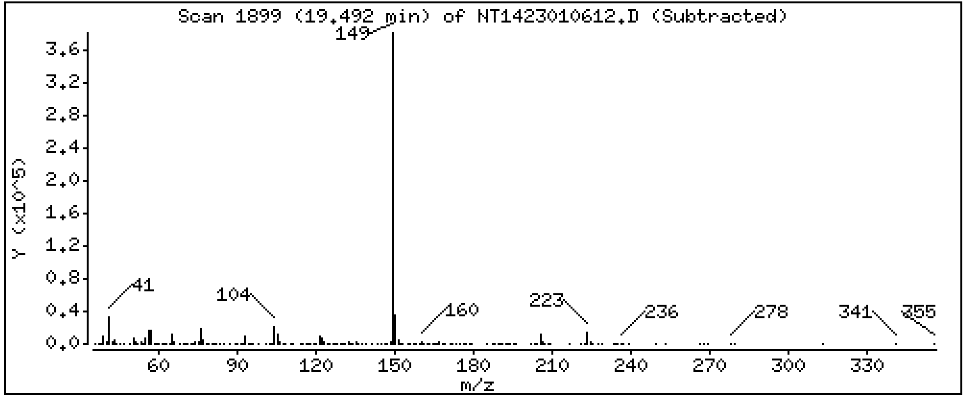
Operator: VTS

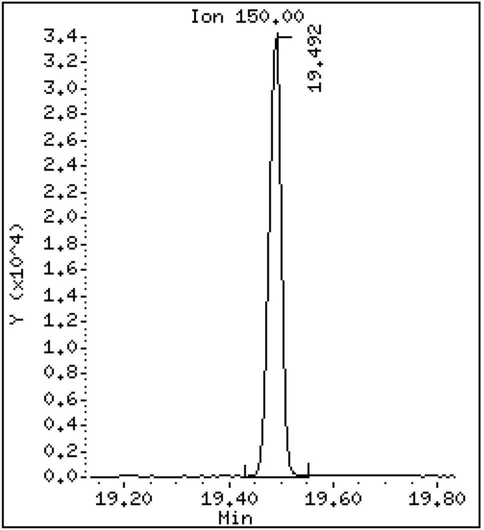
Column phase: ZB-5msi Column diameter: 0.25

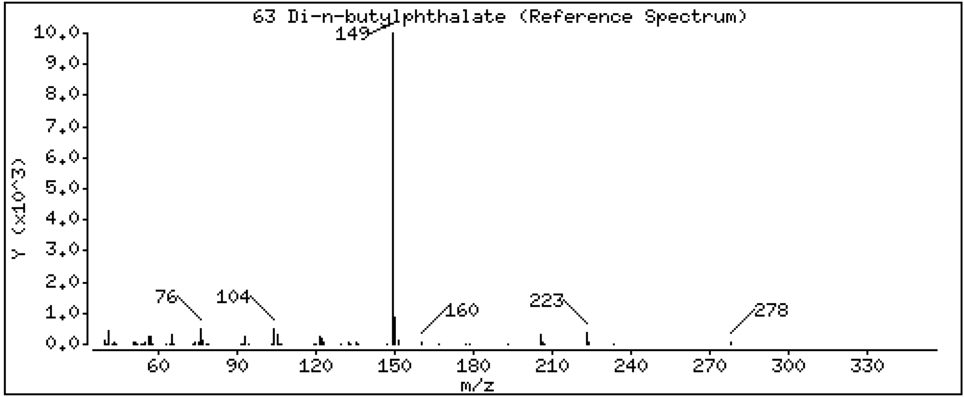
63 Di-n-butylphthalate Concentration: 4.875 ug/mL

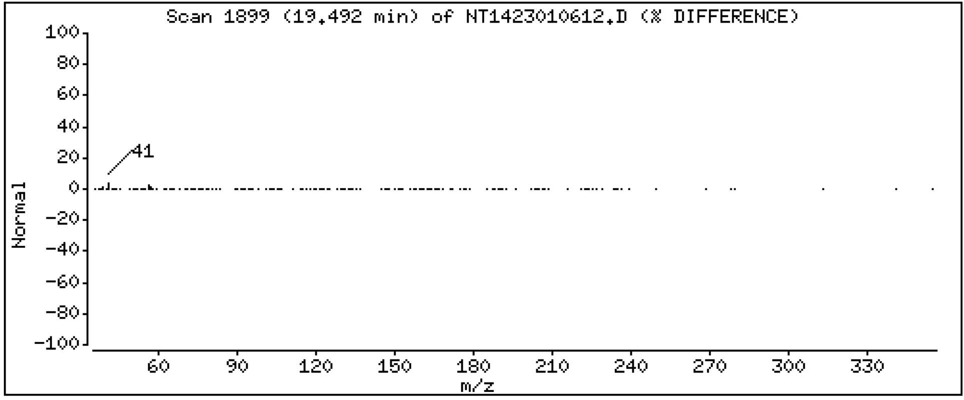

Scan 1899 (19.492 min) of NT1423010612.D

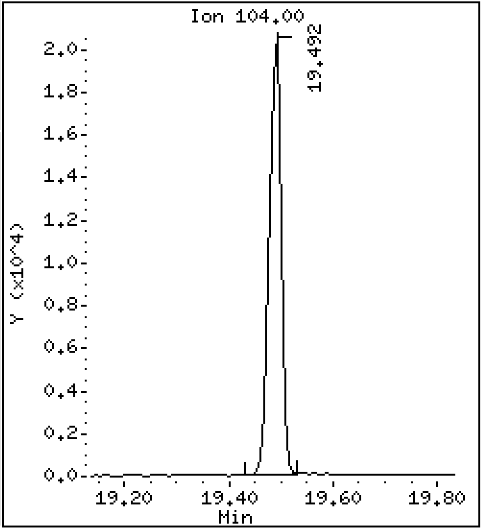

Ion 149.00


Scan 1899 (19.492 min) of NT1423010612.D (Subtracted)


Ion 150.00


63 Di-n-butylphthalate (Reference Spectrum)


Scan 1899 (19.492 min) of NT1423010612.D (% DIFFERENCE)


Ion 104.00

Data File: \\target\share\chem3\nt14.i\20230106.b\NT1423010612.D

Date : 06-JAN-2023 18:14

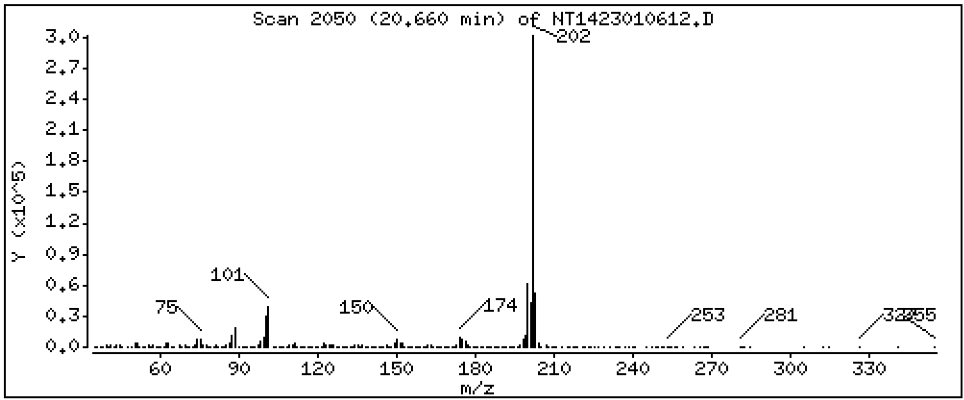
Client ID: Instrument: nt14.i

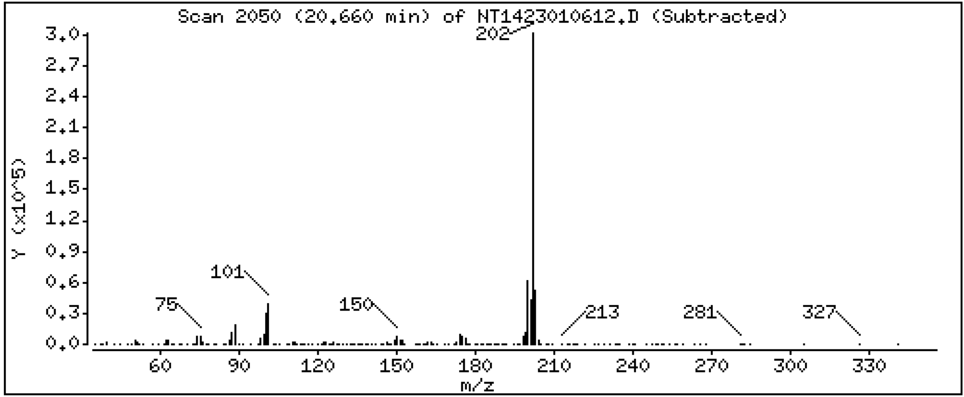
Sample Info: BKL0585-BS1

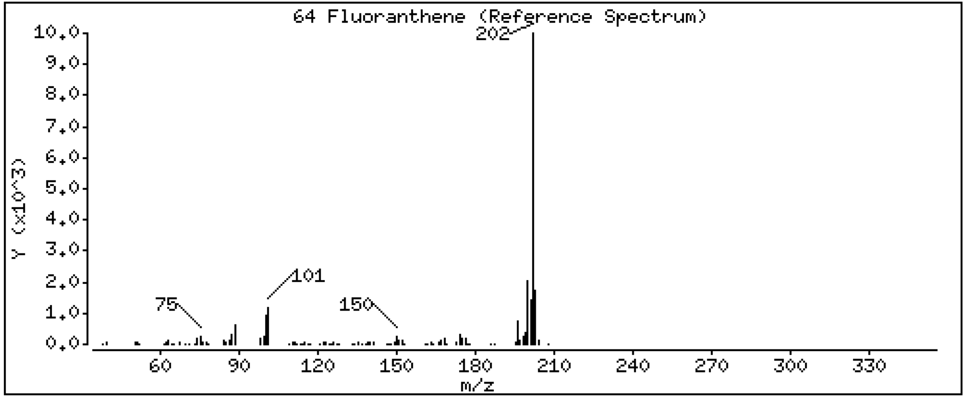
Operator: VTS

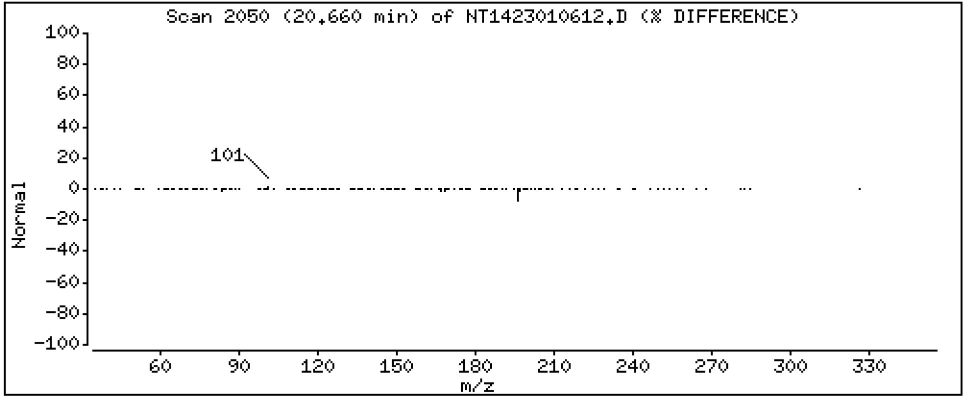
Column phase: ZB-5msi Column diameter: 0.25

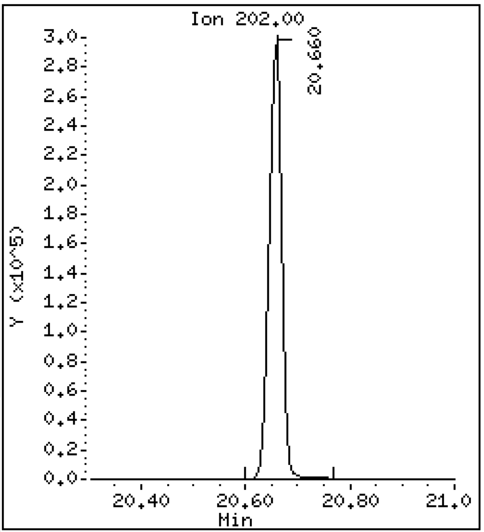
64 Fluoranthene Concentration: 4.548 ug/mL

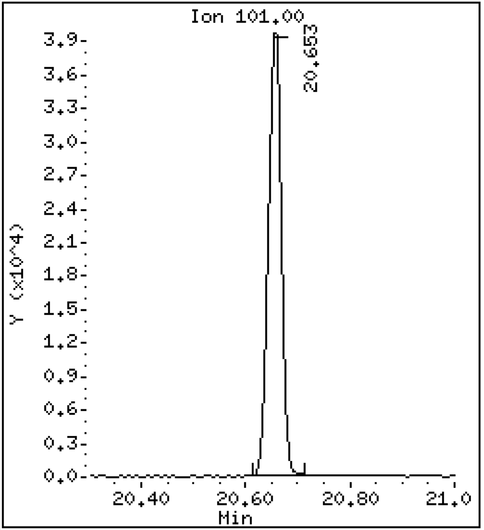

Scan 2050 (20.660 min) of NT1423010612.D

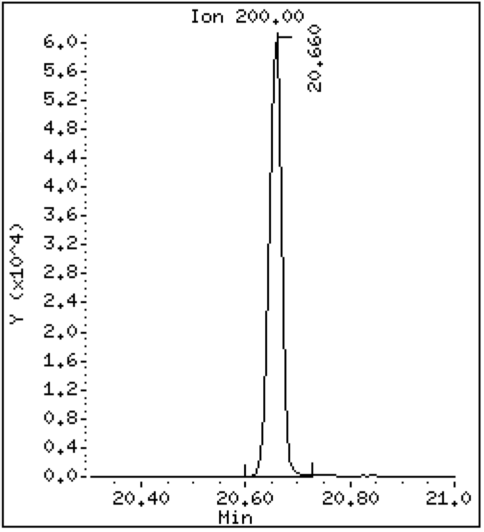

Scan 2050 (20.660 min) of NT1423010612.D (Subtracted)


64 Fluoranthene (Reference Spectrum)


Scan 2050 (20.660 min) of NT1423010612.D (% DIFFERENCE)


Ion 202.00


Ion 101.00


Ion 200.00

Data File: \\target\share\chem3\nt14.i\20230106.b\NT1423010612.D

Date : 06-JAN-2023 18:14

Client ID:

Instrument: nt14.i

Sample Info: BKL0585-BS1

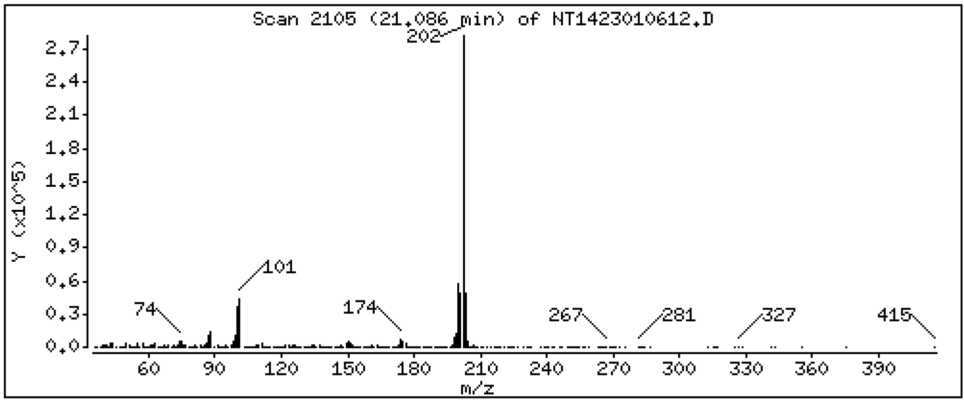
Operator: VTS

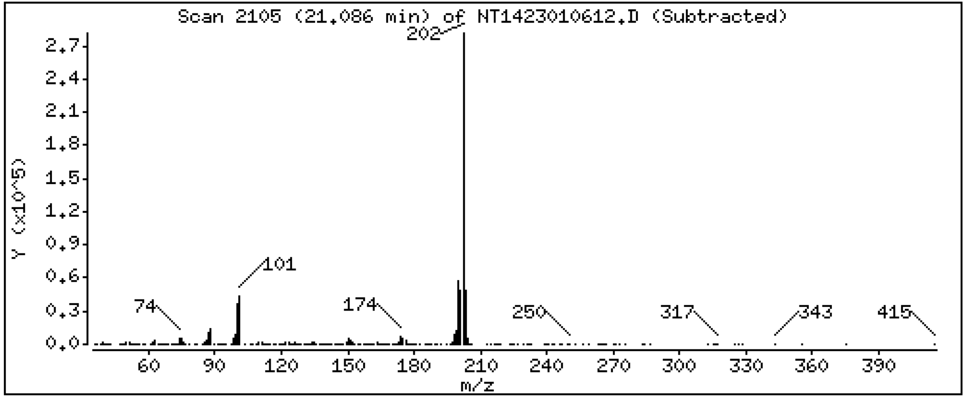
Column phase: ZB-5msi

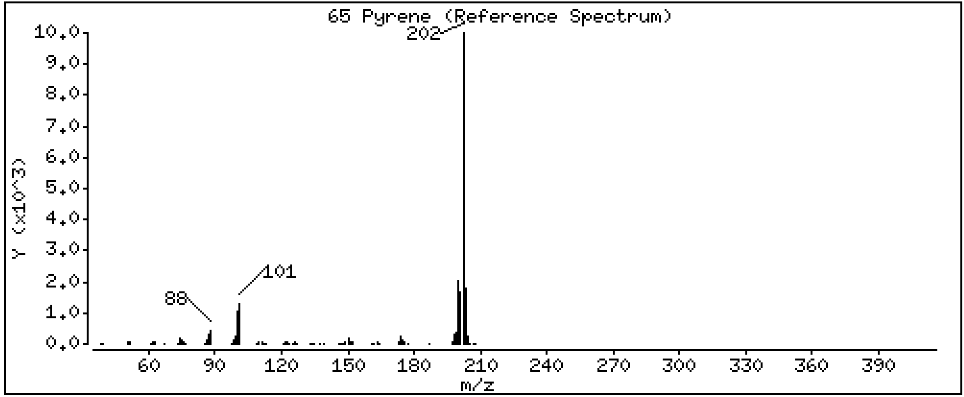
Column diameter: 0.25

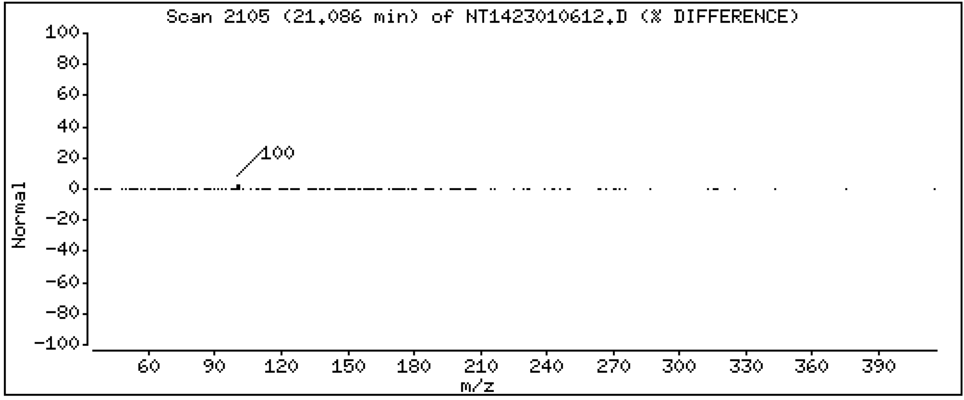
65 Pyrene

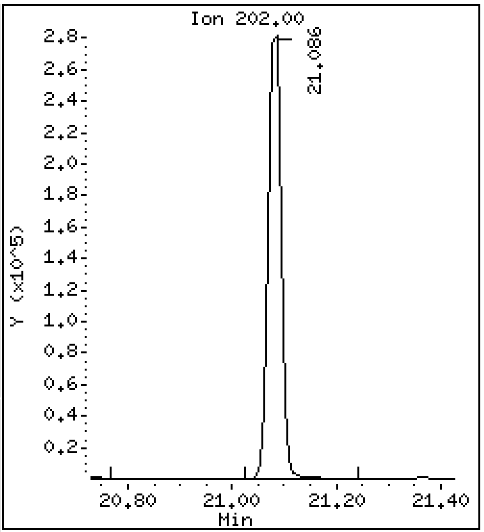
Concentration: 4.158 ug/mL

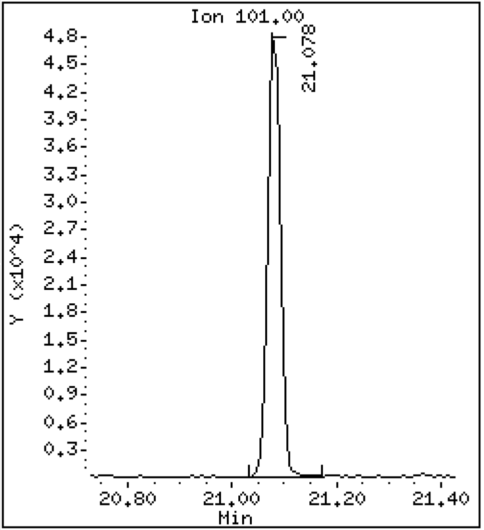

Scan 2105 (21.086 min) of NT1423010612.D

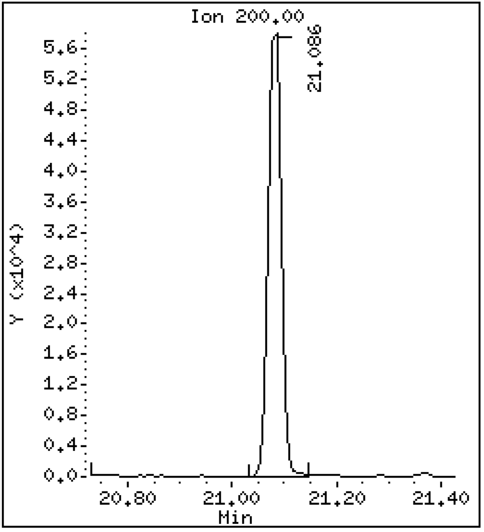

Scan 2105 (21.086 min) of NT1423010612.D (Subtracted)


65 Pyrene (Reference Spectrum)


Scan 2105 (21.086 min) of NT1423010612.D (% DIFFERENCE)


Ion 202.00


Ion 101.00


Ion 200.00

Data File: \\target\share\chem3\nt14.i\20230106.b\NT1423010612.D

Date : 06-JAN-2023 18:14

Client ID:

Instrument: nt14.i

Sample Info: BKL0585-BS1

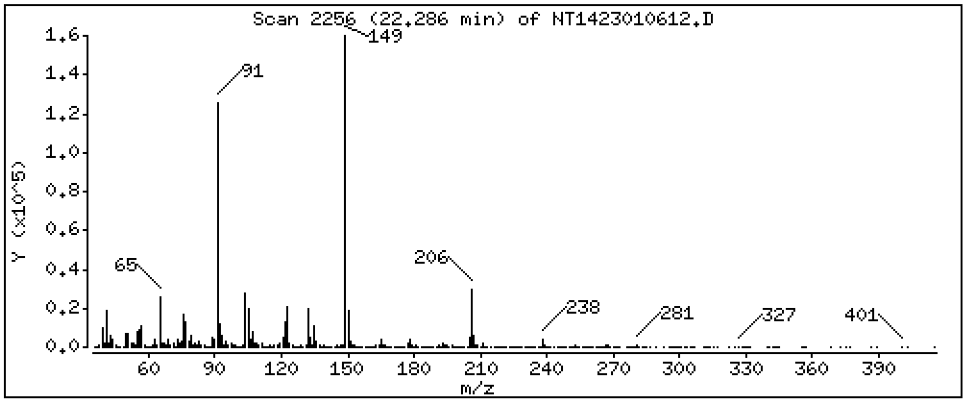
Operator: VTS

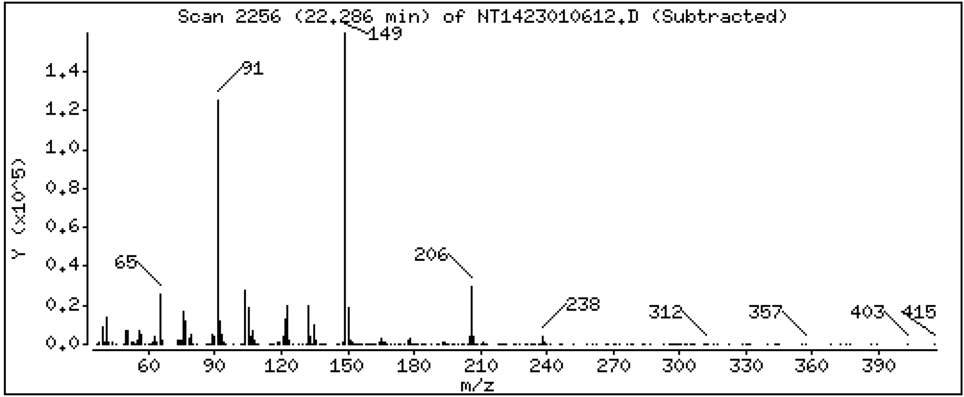
Column phase: ZB-5msi

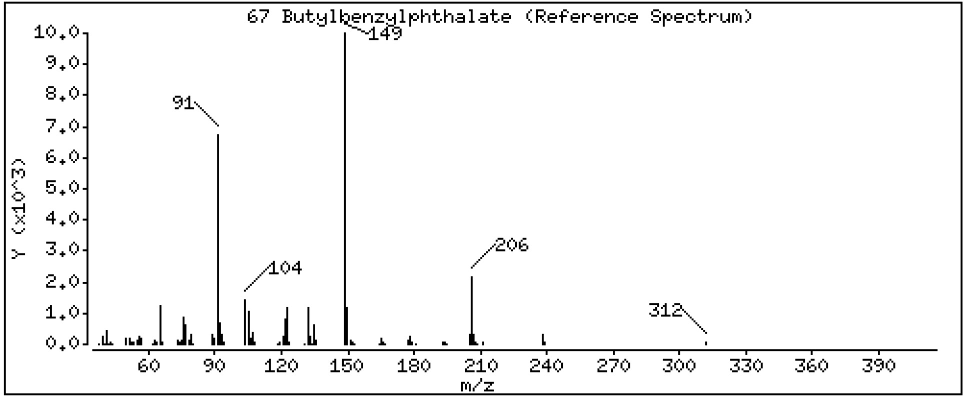
Column diameter: 0.25

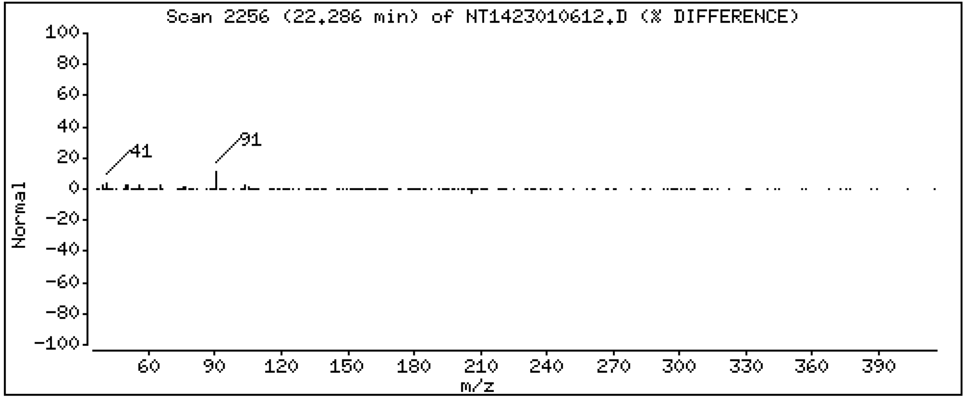
67 Butylbenzylphthalate

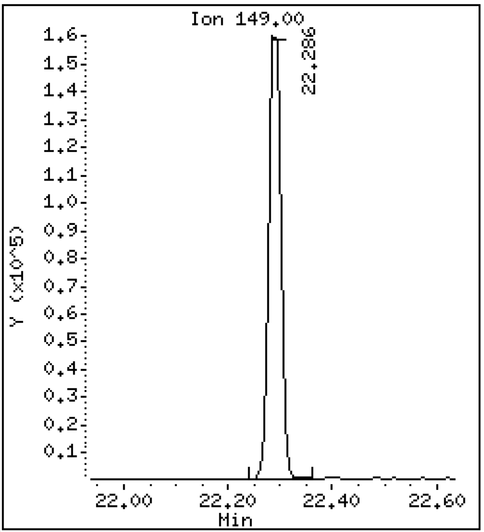
Concentration: 5.631 ug/mL

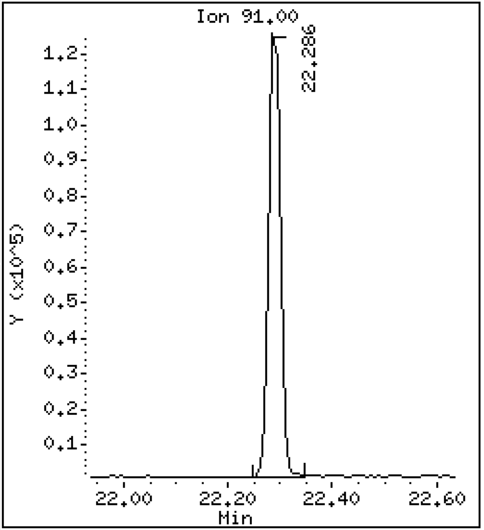

Scan 2256 (22.286 min) of NT1423010612.D

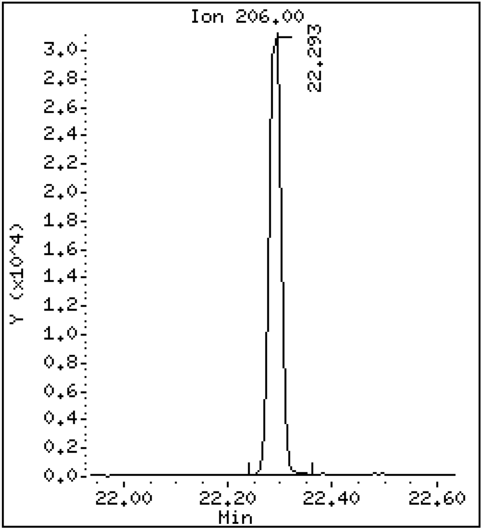

Scan 2256 (22.286 min) of NT1423010612.D (Subtracted)


67 Butylbenzylphthalate (Reference Spectrum)


Scan 2256 (22.286 min) of NT1423010612.D (% DIFFERENCE)


Ion 149.00


Ion 91.00


Ion 206.00

Data File: \\target\share\chem3\nt14.i\20230106.b\NT1423010612.D

Date : 06-JAN-2023 18:14

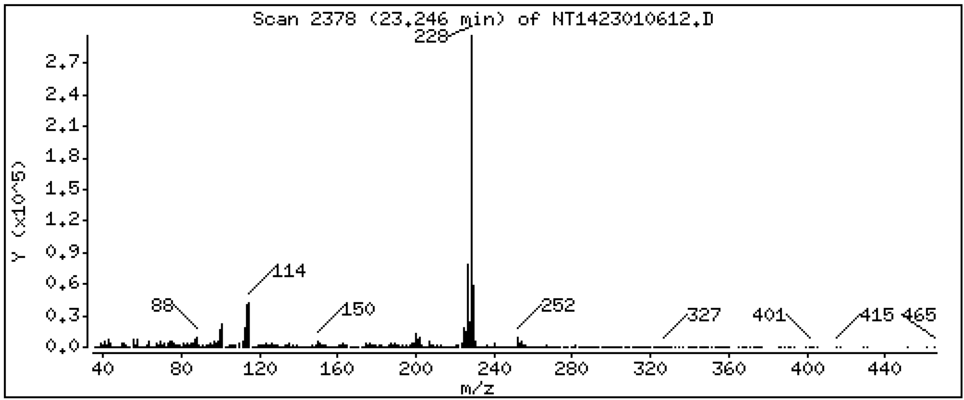
Client ID: Instrument: nt14.i

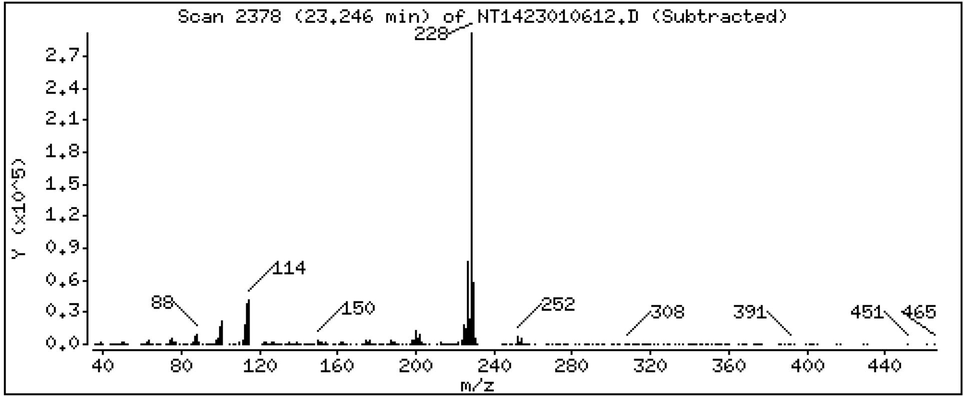
Sample Info: BKL0585-BS1

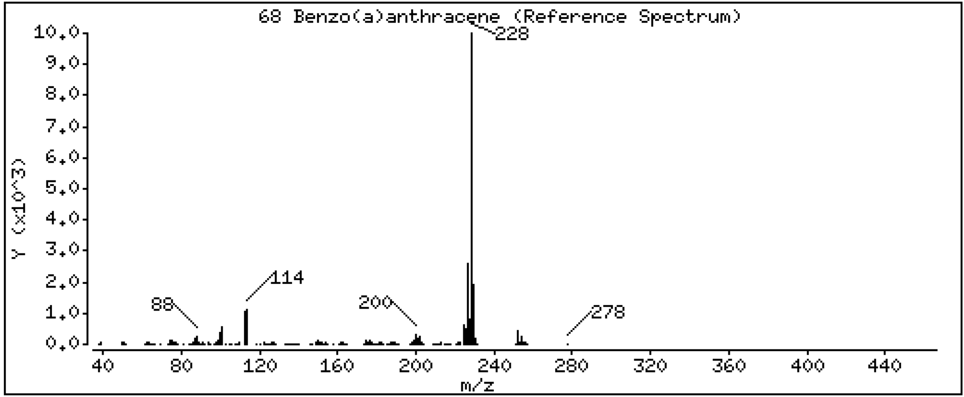
Operator: VTS

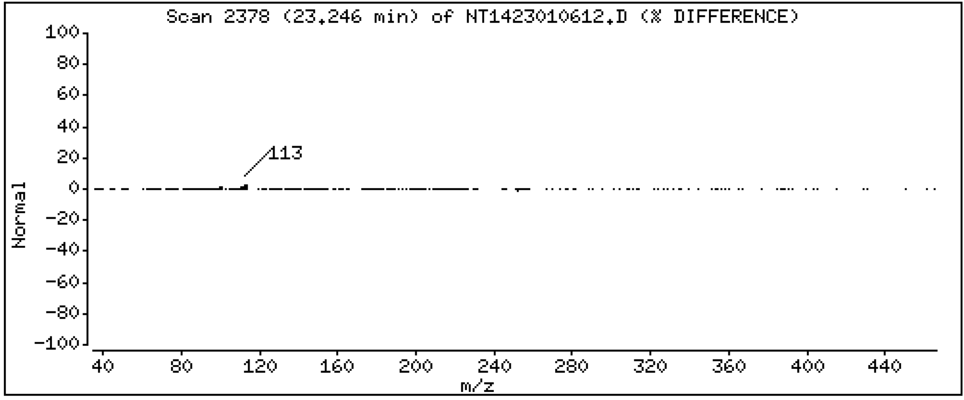
Column phase: ZB-5msi Column diameter: 0.25

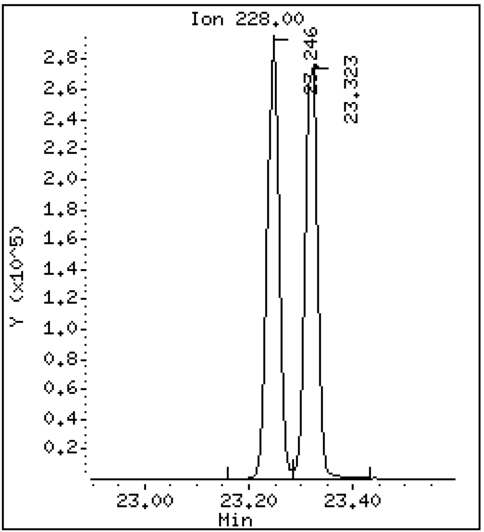
68 Benzo(a)anthracene Concentration: 4.392 ug/mL

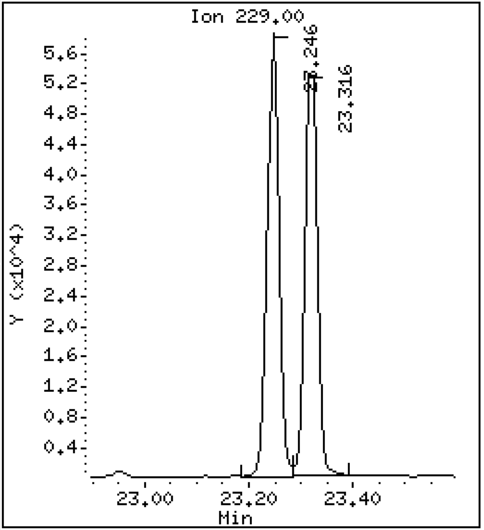

Scan 2378 (23.246 min) of NT1423010612.D

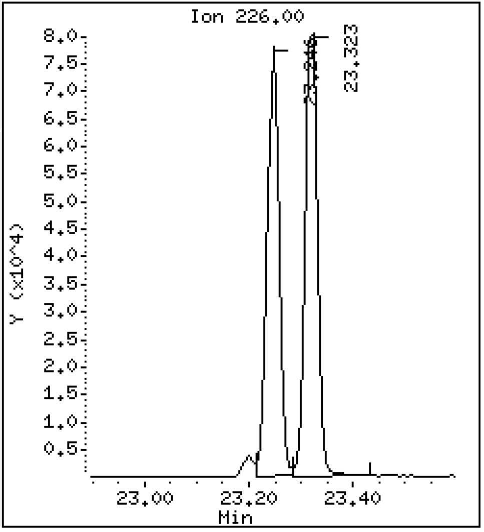

Scan 2378 (23.246 min) of NT1423010612.D (Subtracted)


68 Benzo(a)anthracene (Reference Spectrum)


Scan 2378 (23.246 min) of NT1423010612.D (% DIFFERENCE)


Ion 228.00


Ion 229.00


Ion 226.00

Date : 06-JAN-2023 18:14

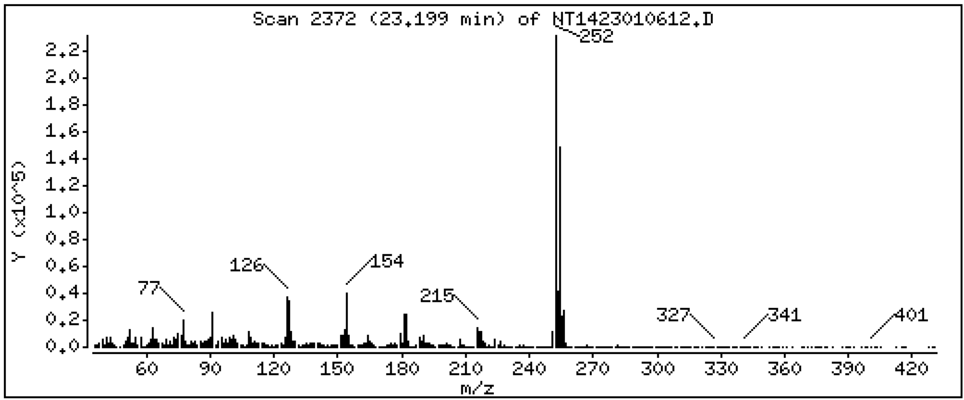
Client ID: Instrument: nt14.i

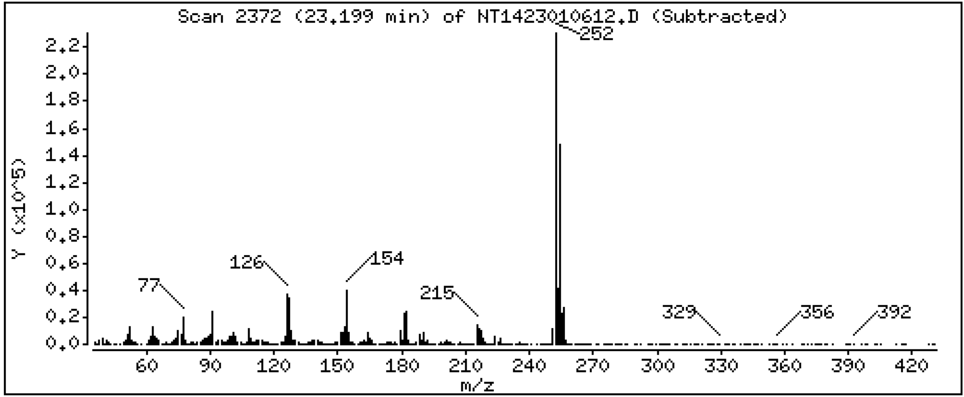
Sample Info: BKL0585-BS1

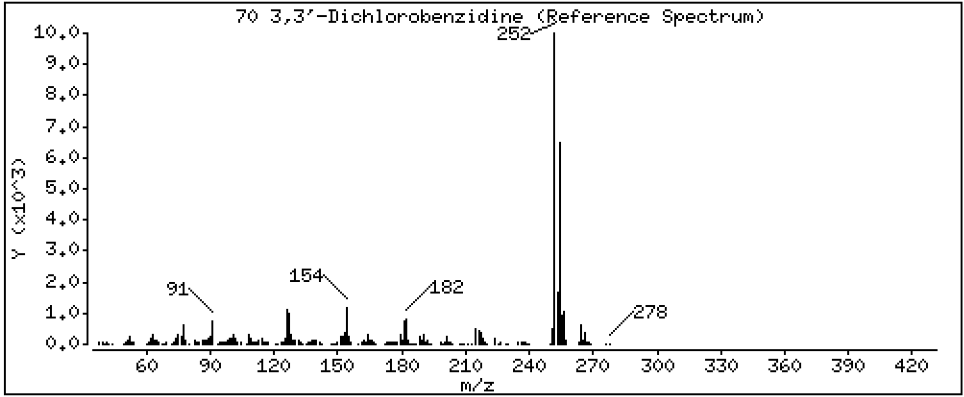
Operator: VTS

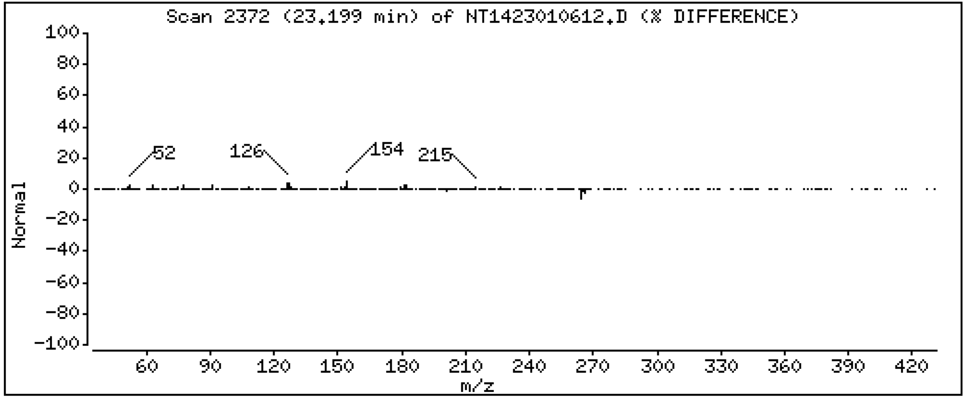
Column phase: ZB-5msi Column diameter: 0.25

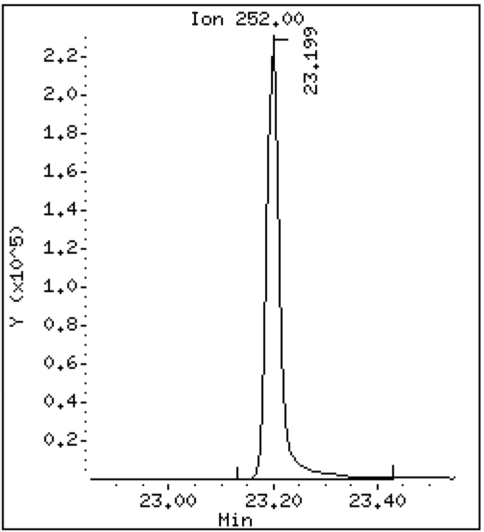
70 3,3'-Dichlorobenzidine Concentration: 12.66 ug/mL

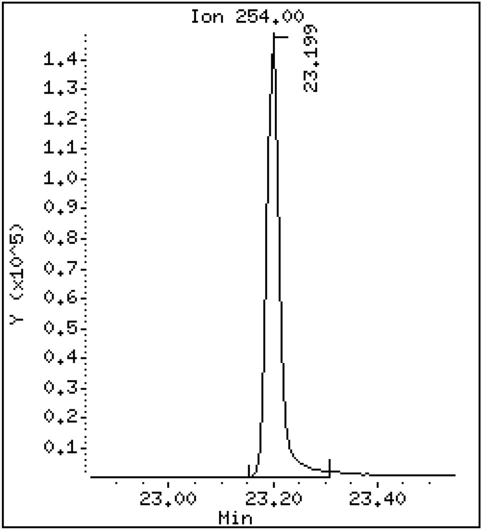

Scan 2372 (23.199 min) of NT1423010612.D

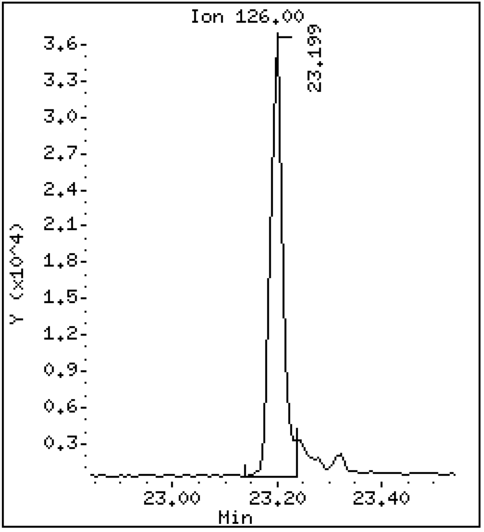

Scan 2372 (23.199 min) of NT1423010612.D (Subtracted)


70 3,3'-Dichlorobenzidine (Reference Spectrum)


Scan 2372 (23.199 min) of NT1423010612.D (% DIFFERENCE)


Ion 252.00


Ion 254.00


Ion 126.00

Data File: \\target\share\chem3\nt14.i\20230106.b\NT1423010612.D

Date : 06-JAN-2023 18:14

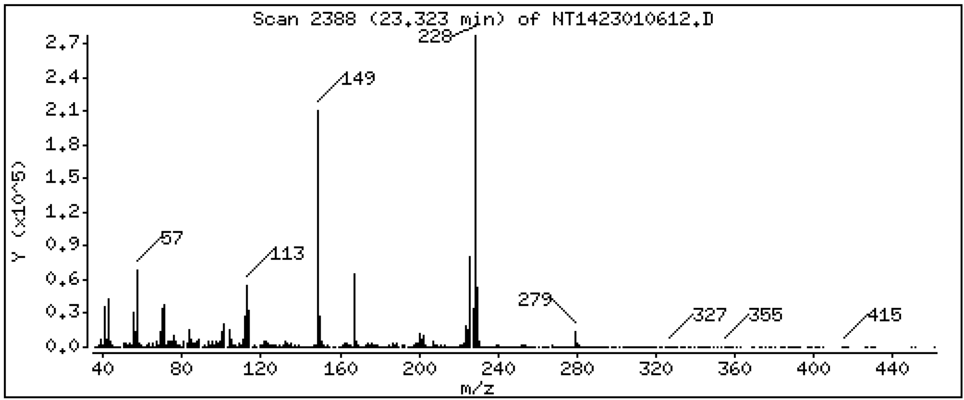
Client ID: Instrument: nt14.i

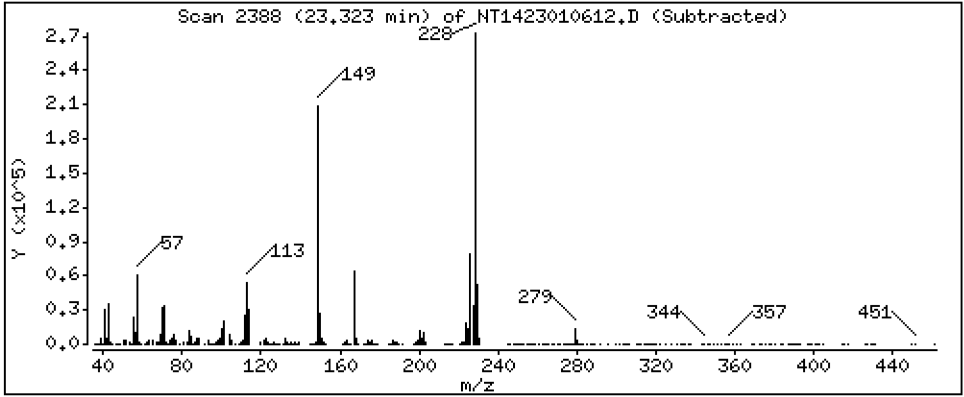
Sample Info: BKL0585-BS1

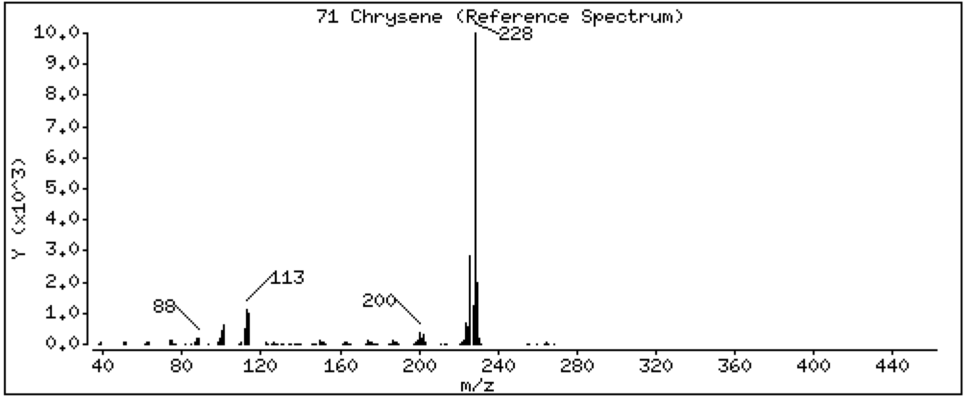
Operator: VTS

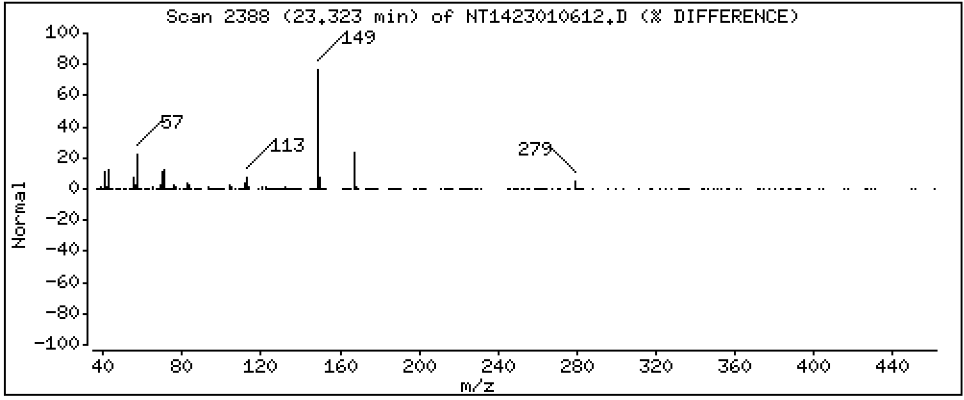
Column phase: ZB-5msi Column diameter: 0.25

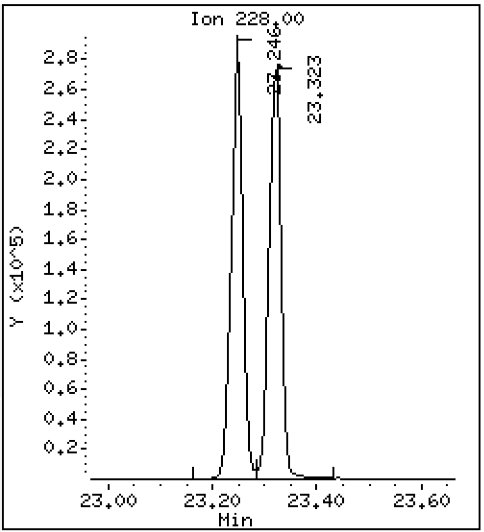
71 Chrysene Concentration: 4.496 ug/mL

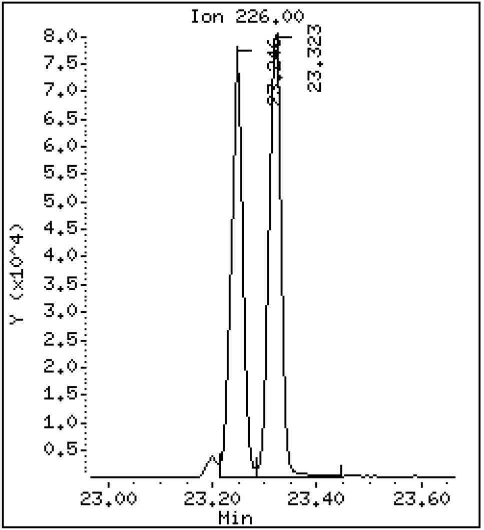


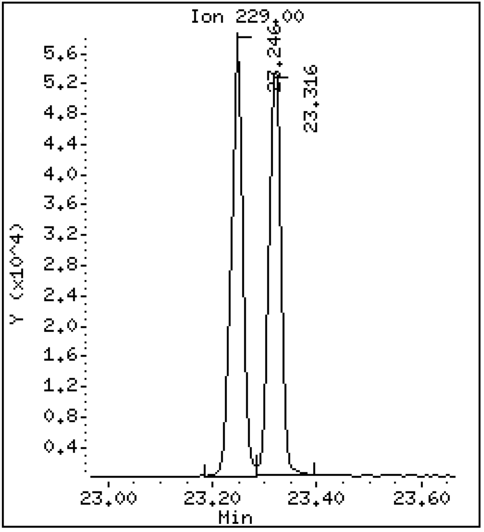












Data File: \\target\share\chem3\nt14.i\20230106.b\NT1423010612.D

Date : 06-JAN-2023 18:14

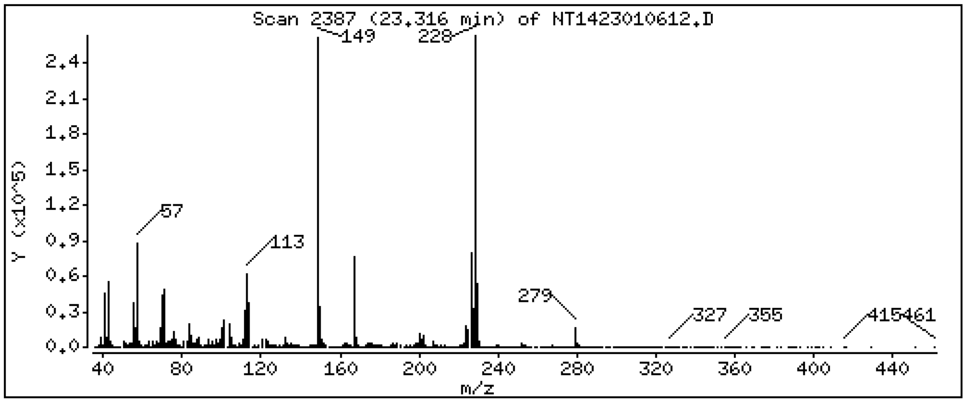
Client ID: Instrument: nt14.i

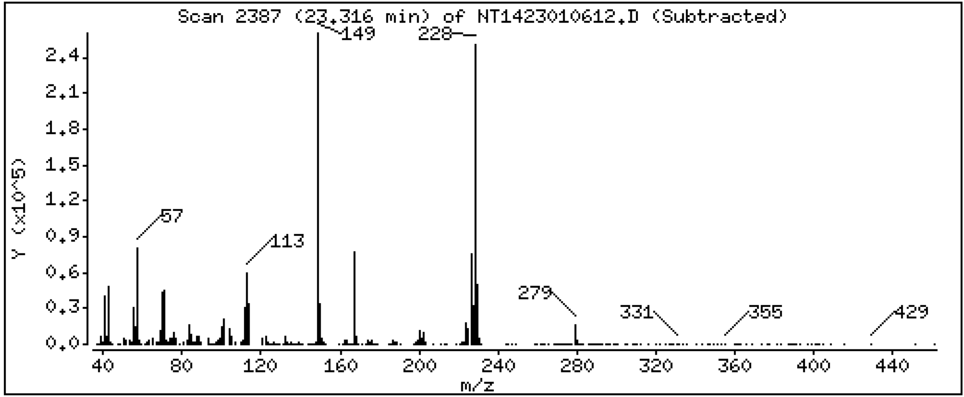
Sample Info: BKL0585-BS1

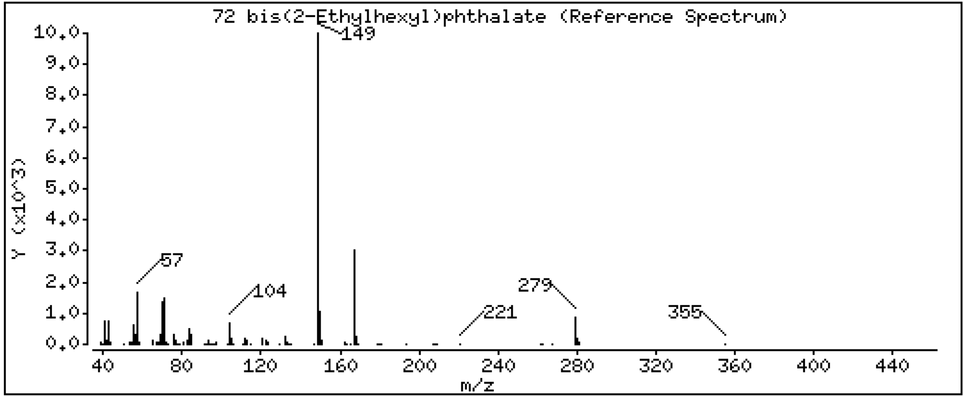
Operator: VTS

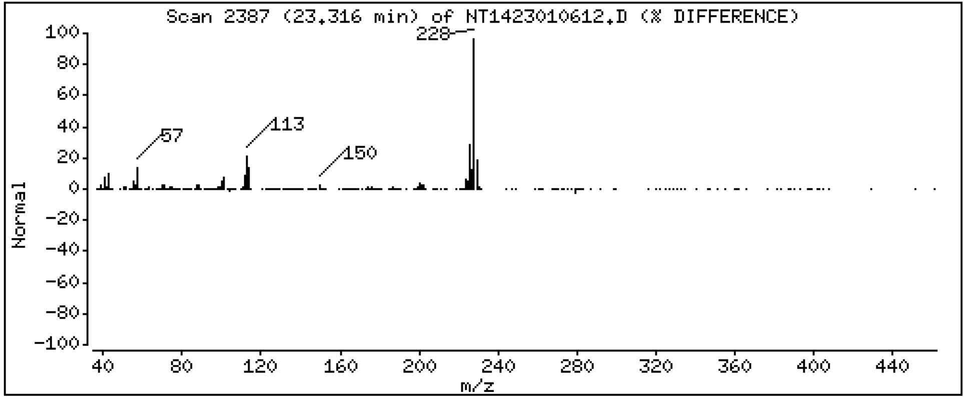
Column phase: ZB-5msi Column diameter: 0.25

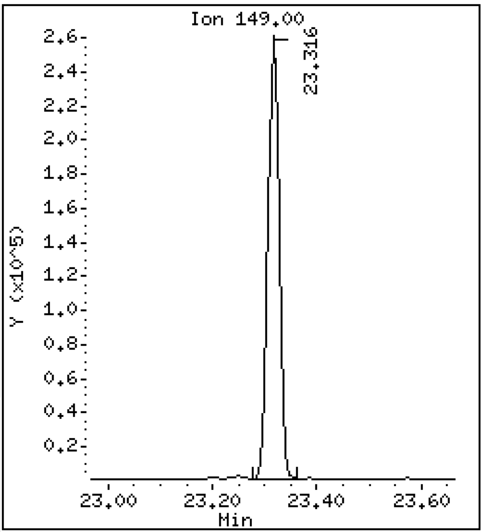
72 bis(2-Ethylhexyl)phthalate Concentration: 5.024 ug/mL

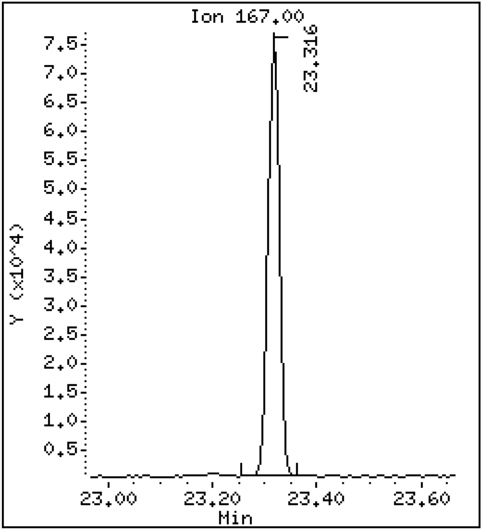

Scan 2387 (23.316 min) of NT1423010612.D

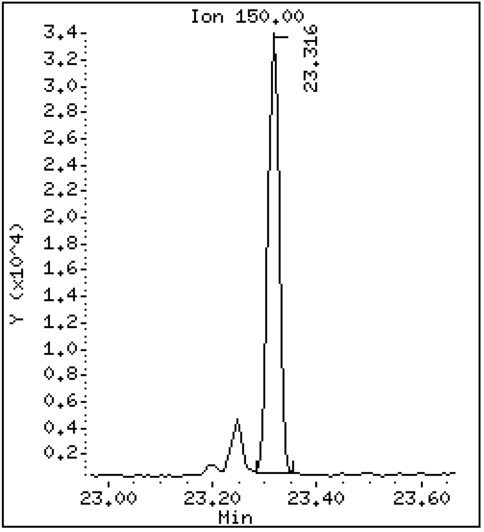

Scan 2387 (23.316 min) of NT1423010612.D (Subtracted)


72 bis(2-Ethylhexyl)phthalate (Reference Spectrum)


Scan 2387 (23.316 min) of NT1423010612.D (% DIFFERENCE)


Ion 149.00


Ion 167.00


Ion 150.00

Data File: \\target\share\chem3\nt14.i\20230106.b\NT1423010612.D

Date : 06-JAN-2023 18:14

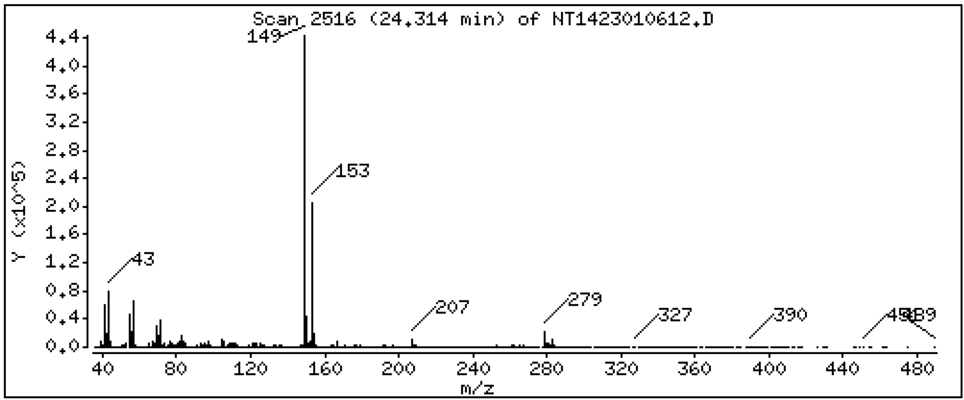
Client ID: Instrument: nt14.i

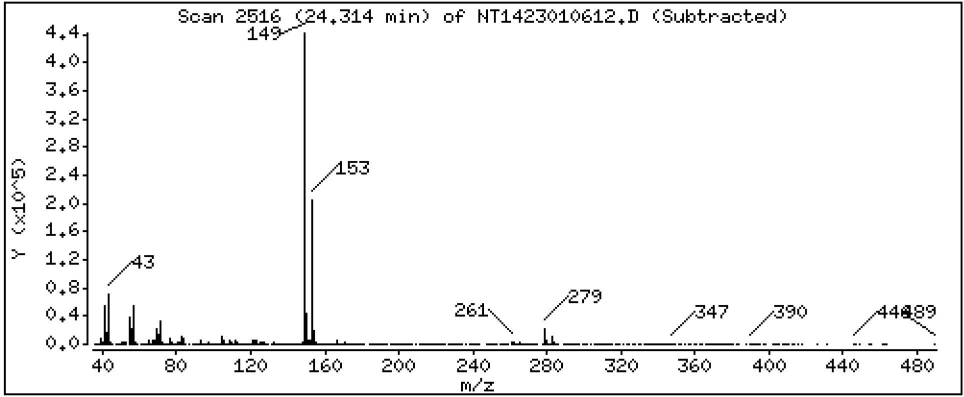
Sample Info: BKL0585-BS1

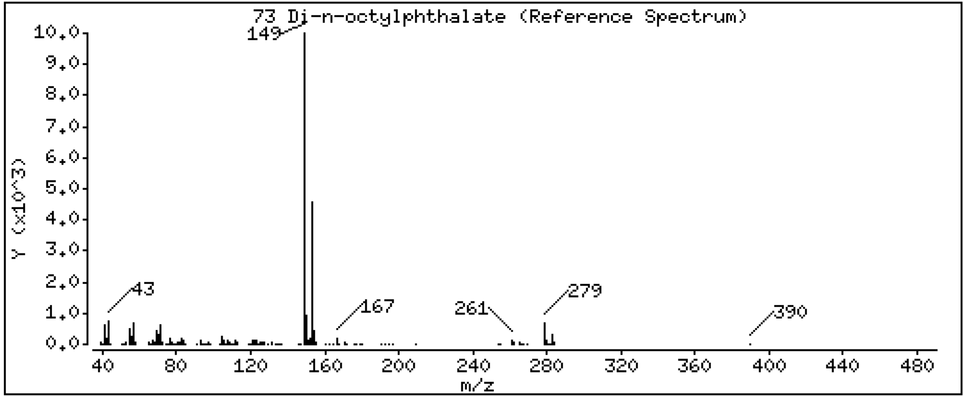
Operator: VTS

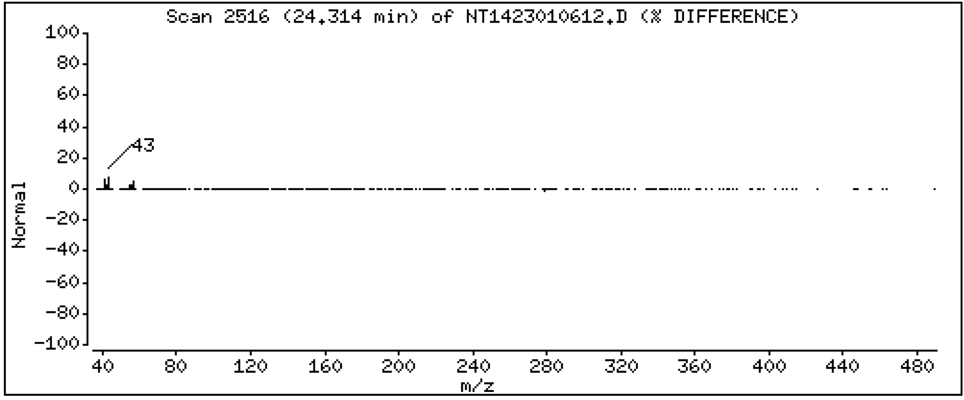
Column phase: ZB-5msi Column diameter: 0.25

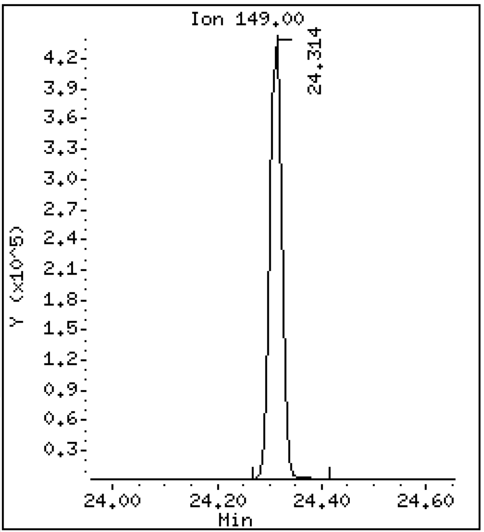
73 Di-n-octylphthalate Concentration: 4.184 ug/mL

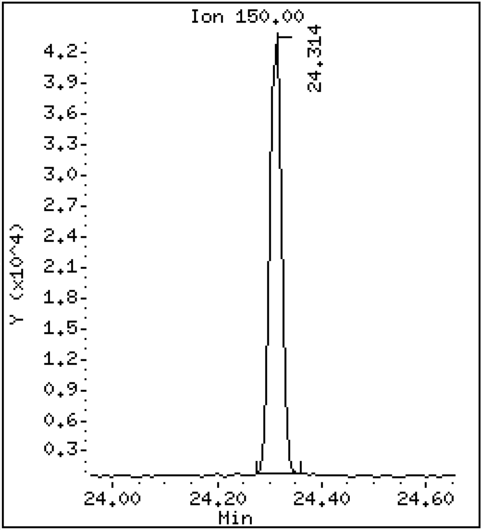


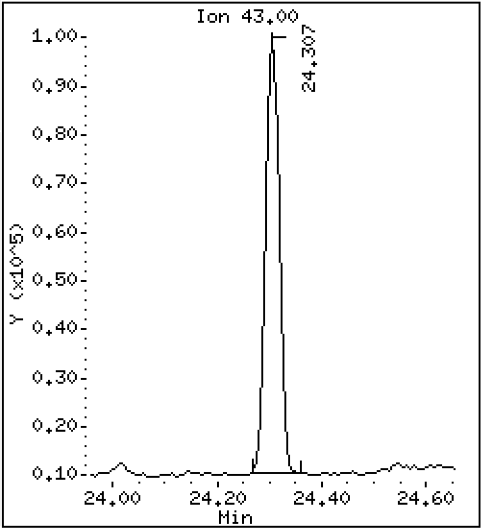












Data File: \\target\share\chem3\nt14.i\20230106.b\NT1423010612.D

Date : 06-JAN-2023 18:14

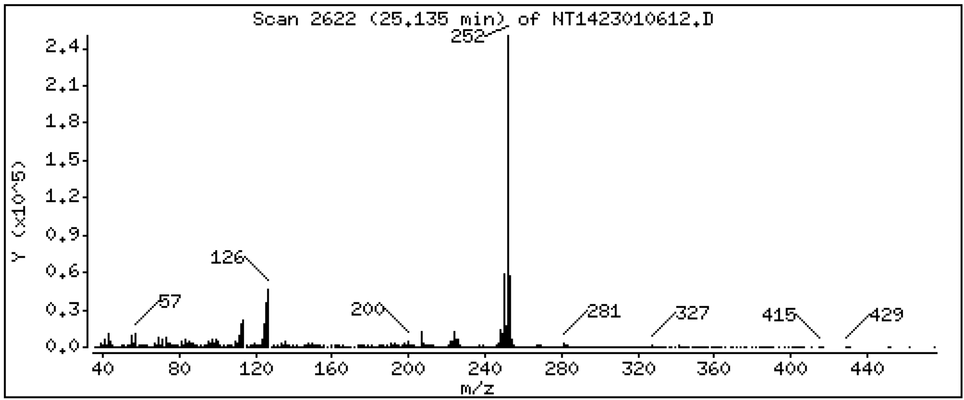
Client ID: Instrument: nt14.i

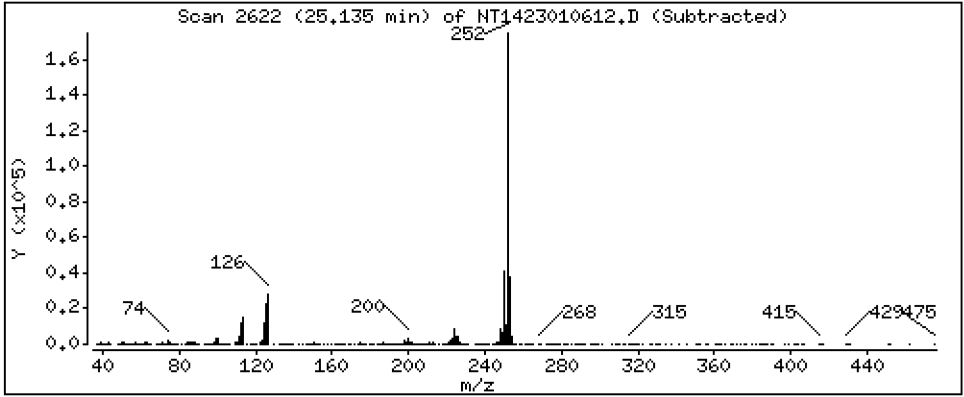
Sample Info: BKL0585-BS1

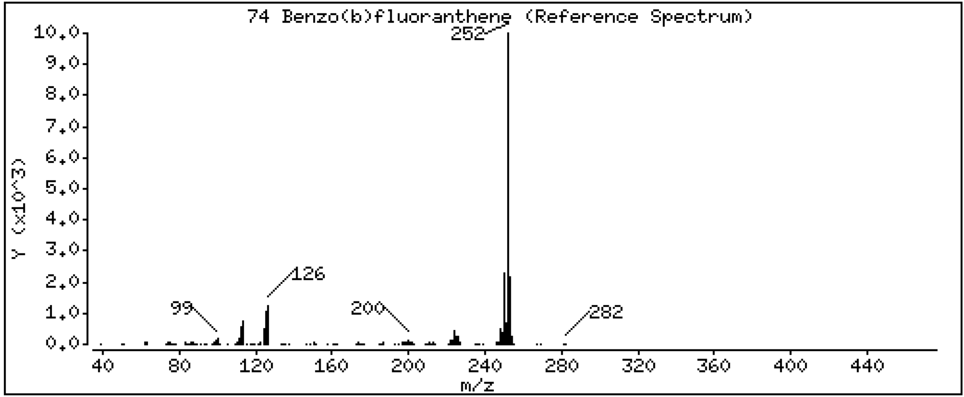
Operator: VTS

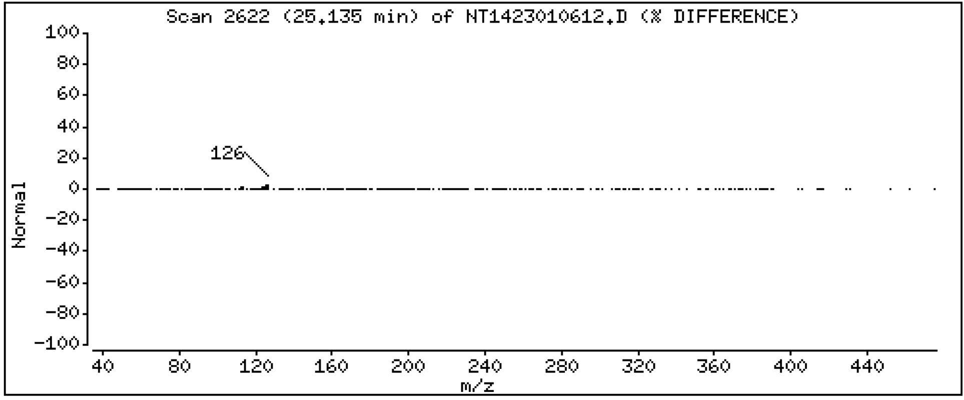
Column phase: ZB-5msi Column diameter: 0.25

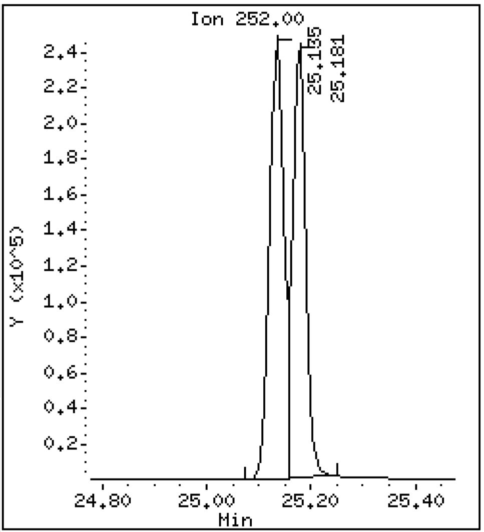
74 Benzo(b)fluoranthene Concentration: 4.274 ug/mL

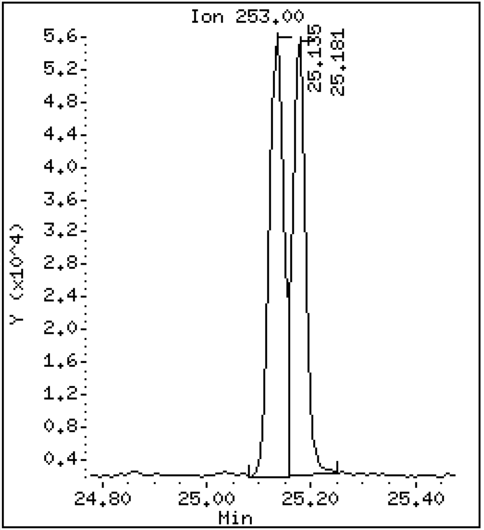

Scan 2622 (25.135 min) of NT1423010612.D

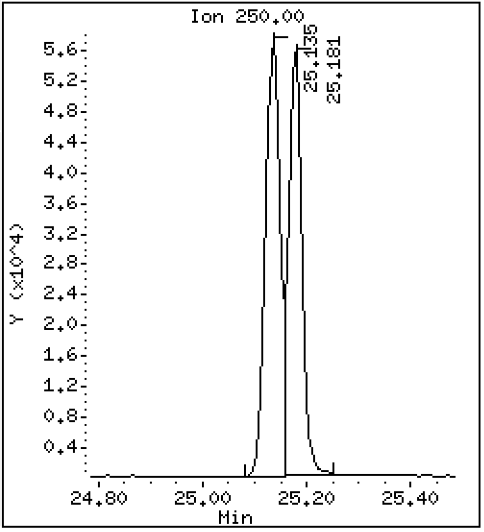

Scan 2622 (25.135 min) of NT1423010612.D (Subtracted)


74 Benzo(b)fluoranthene (Reference Spectrum)


Scan 2622 (25.135 min) of NT1423010612.D (% DIFFERENCE)


Ion 252.00


Ion 253.00


Ion 250.00

Data File: \\target\share\chem3\nt14.i\20230106.b\NT1423010612.D

Date : 06-JAN-2023 18:14

Client ID:

Instrument: nt14.i

Sample Info: BKL0585-BS1

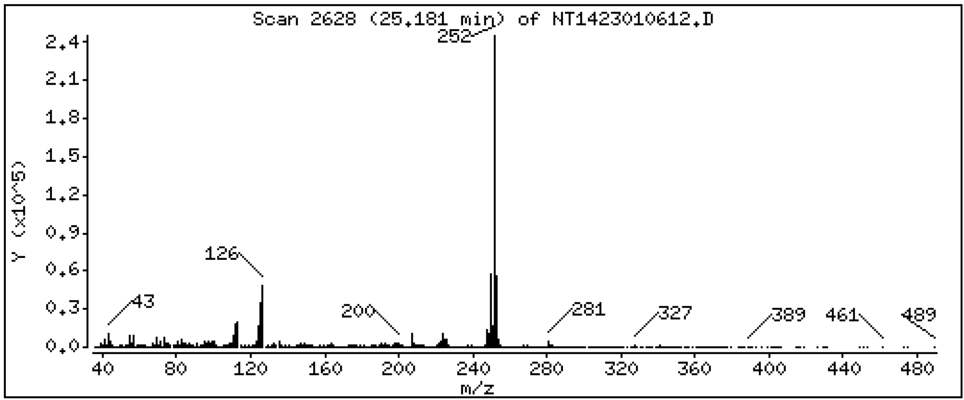
Operator: VTS

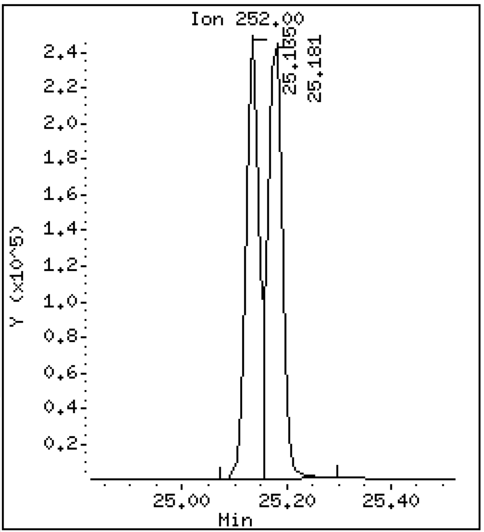
Column phase: ZB-5msi

Column diameter: 0.25

75 Benzo(k)fluoranthene

Concentration: 4.095 ug/mL


Scan 2628 (25.181 min) of NT1423010612.D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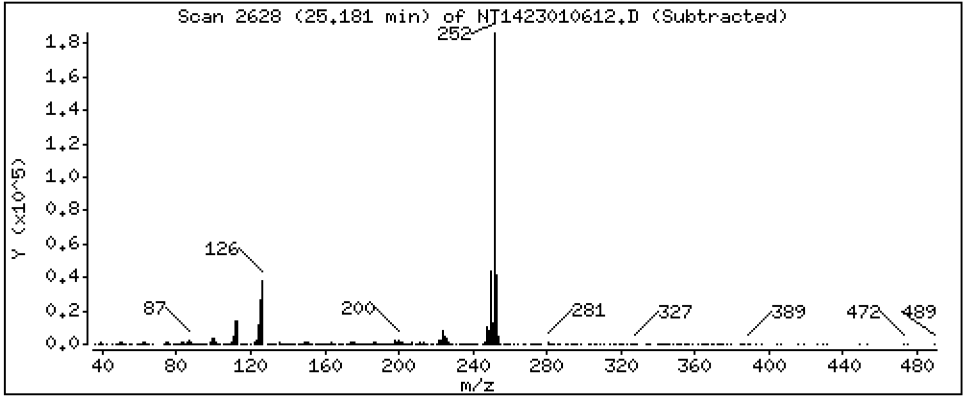
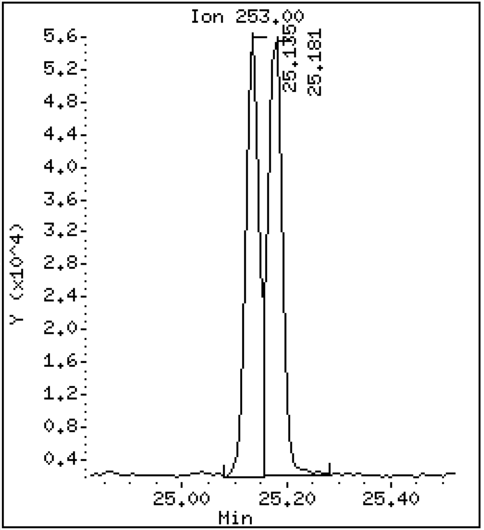

Scan 2628 (25.181 min) of NT1423010612.D (Subtracted)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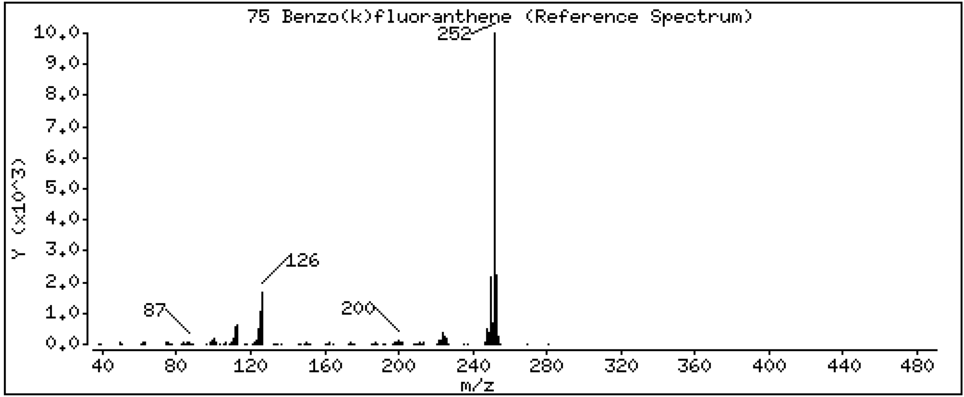
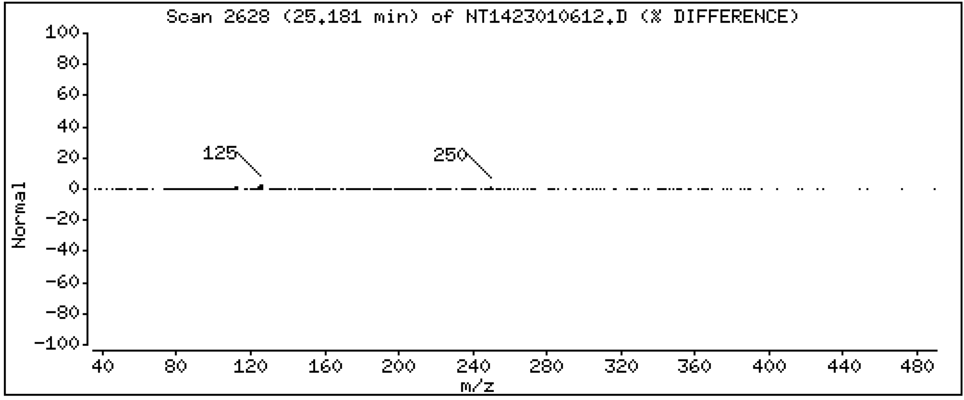
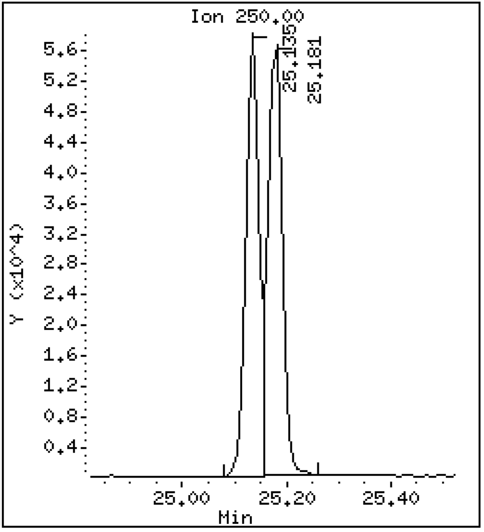

75 Benzo(k)fluoranthene (Reference Spectrum)


Scan 2628 (25.181 min) of NT1423010612.D (% DIFFERENCE)


Ion 250.00

Data File: \\target\share\chem3\nt14.i\20230106.b\NT1423010612.D

Date : 06-JAN-2023 18:14

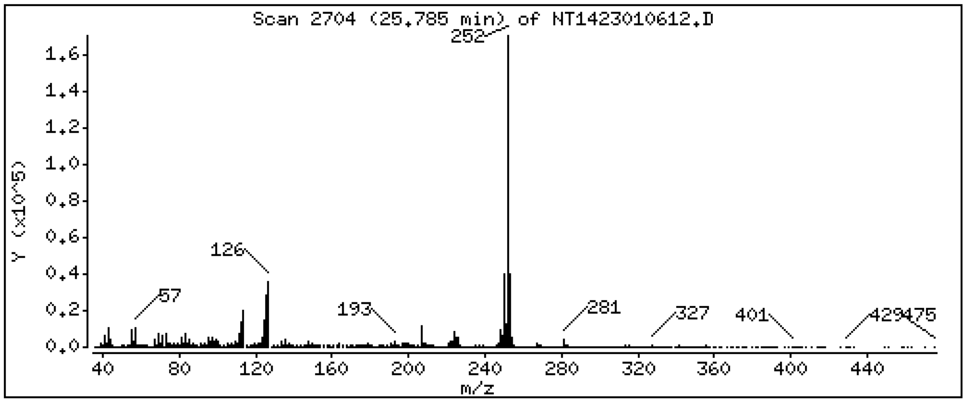
Client ID: Instrument: nt14.i

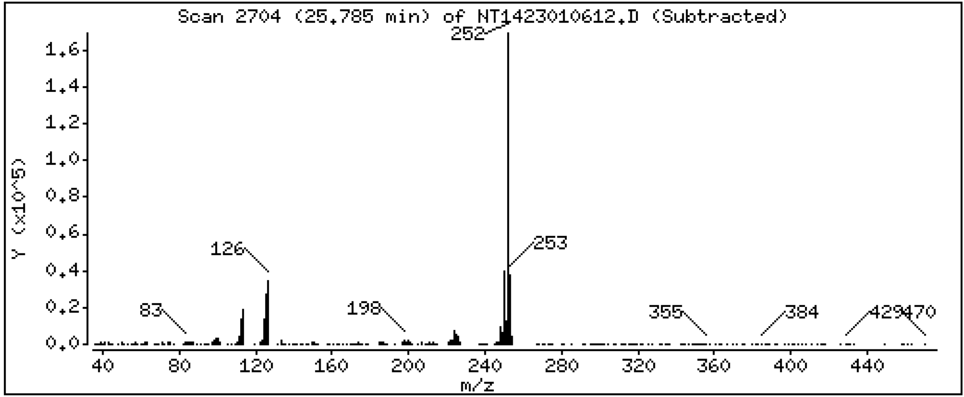
Sample Info: BKL0585-BS1

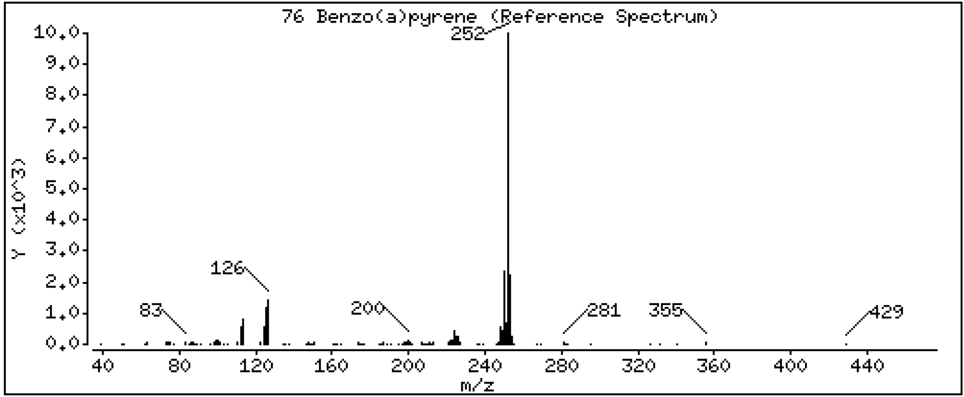
Operator: VTS

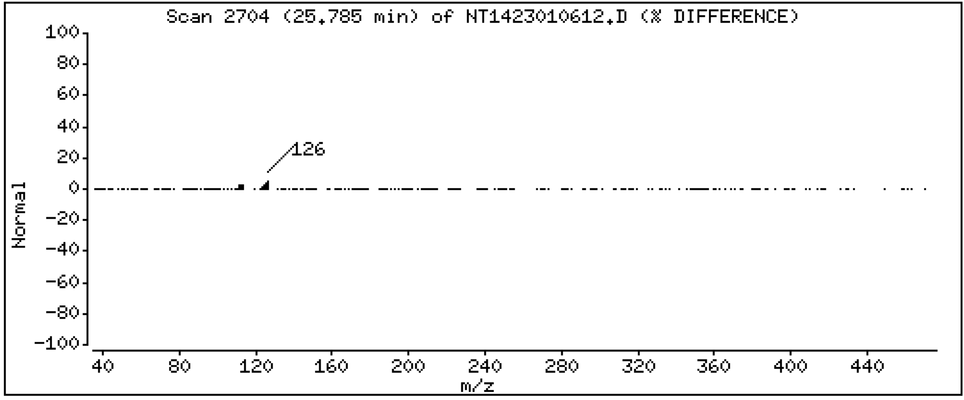
Column phase: ZB-5msi Column diameter: 0.25

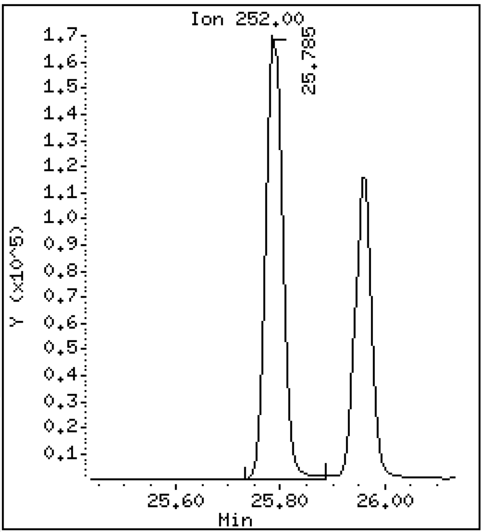
76 Benzo(a)pyrene Concentration: 4.035 ug/mL

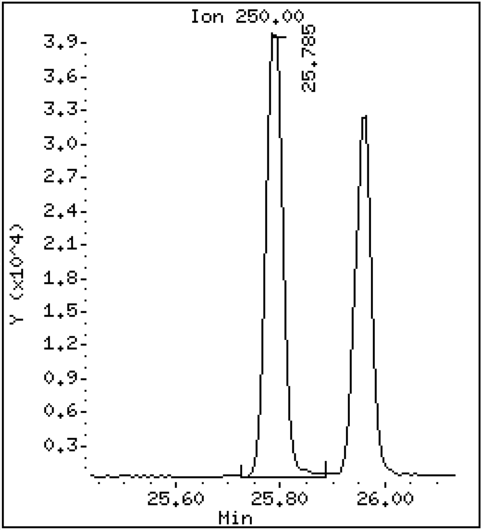

Scan 2704 (25.785 min) of NT1423010612.D

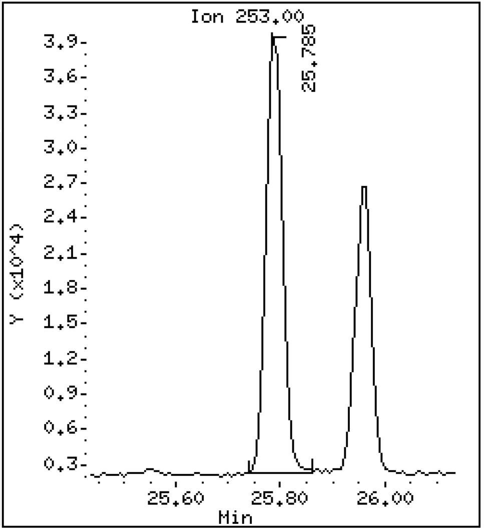

Scan 2704 (25.785 min) of NT1423010612.D (Subtracted)


76 Benzo(a)pyrene (Reference Spectrum)


Scan 2704 (25.785 min) of NT1423010612.D (% DIFFERENCE)


Ion 252.00


Ion 250.00


Ion 253.00

Data File: \\target\share\chem3\nt14.i\20230106.b\NT1423010612.D

Date : 06-JAN-2023 18:14

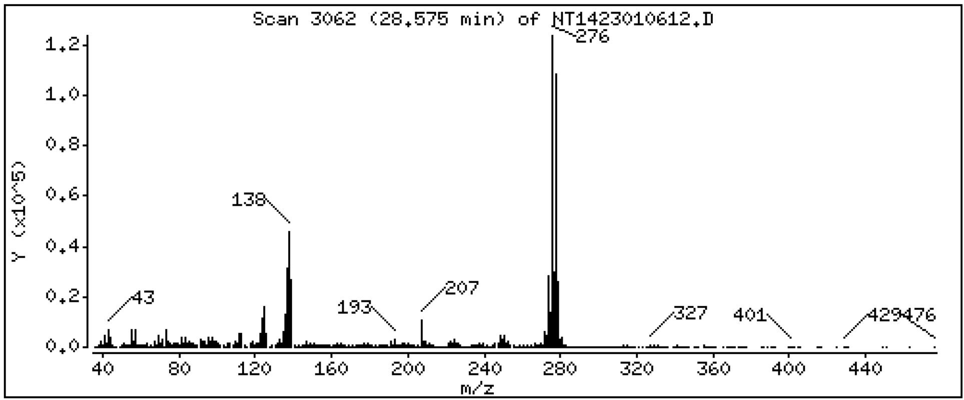
Client ID: Instrument: nt14.i

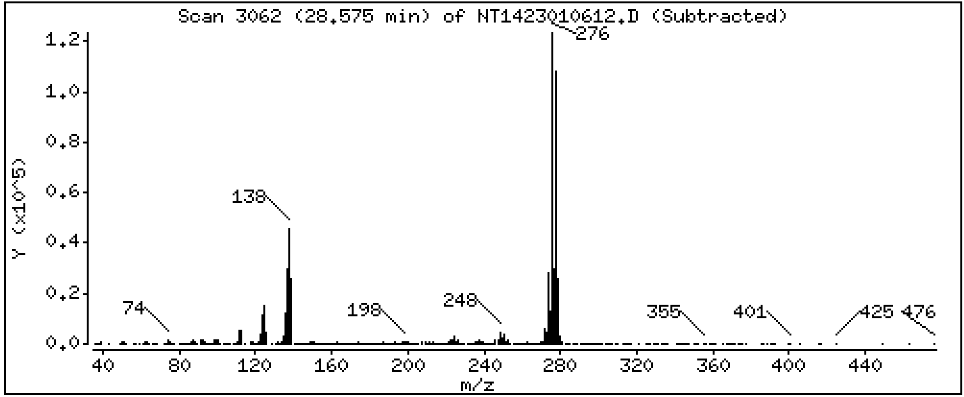
Sample Info: BKL0585-BS1

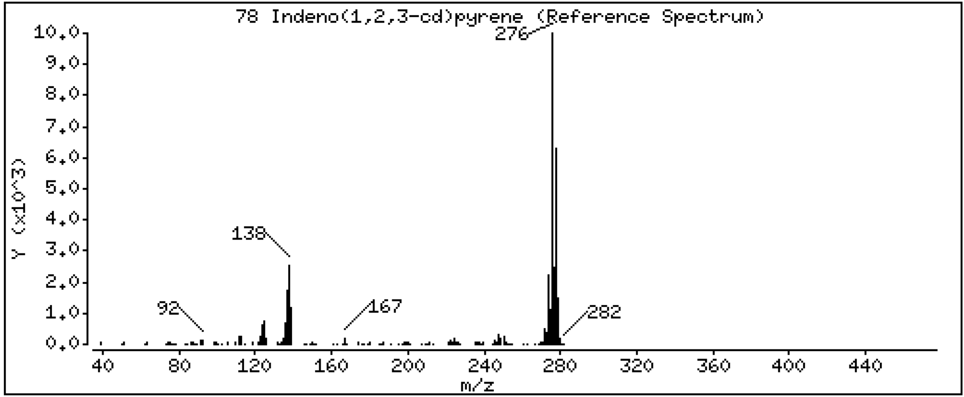
Operator: VTS

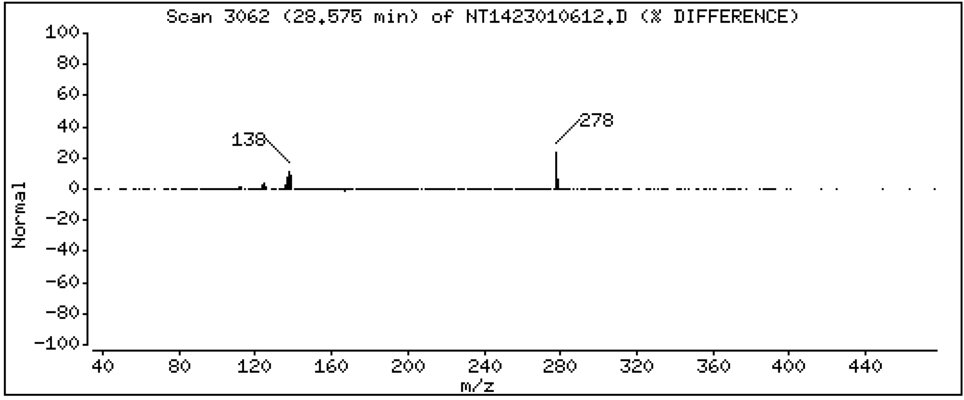
Column phase: ZB-5msi Column diameter: 0.25

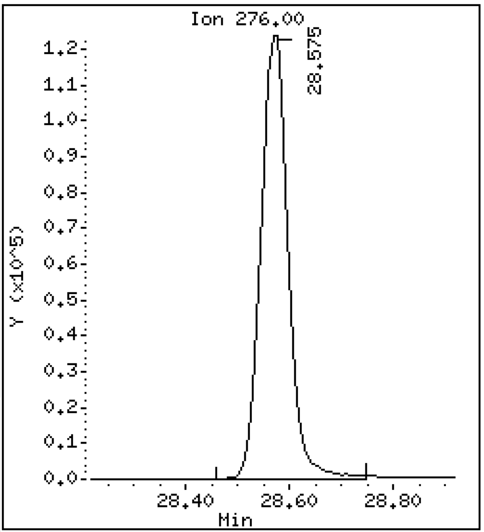
78 Indeno(1,2,3-cd)pyrene Concentration: 4.280 ug/mL

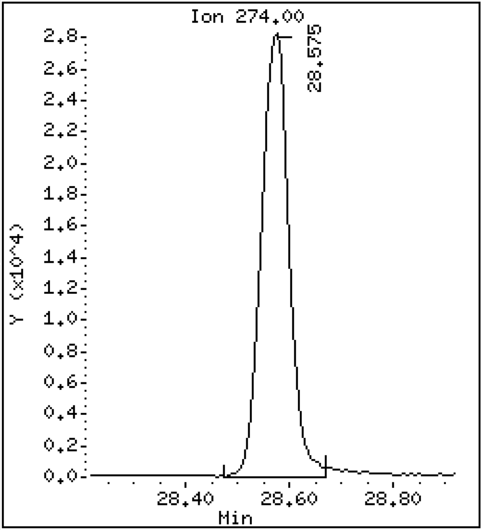


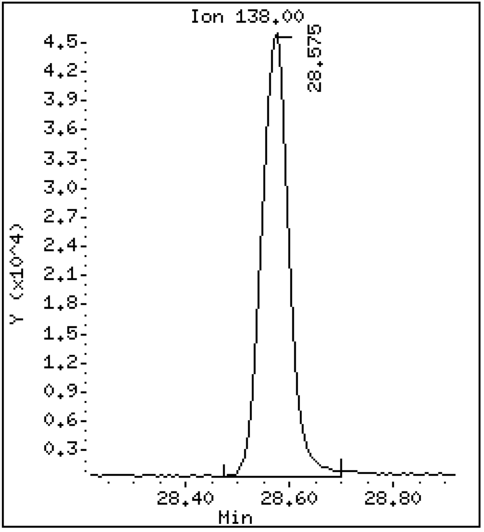












Data File: \\target\share\chem3\nt14.i\20230106.b\NT1423010612.D

Date : 06-JAN-2023 18:14

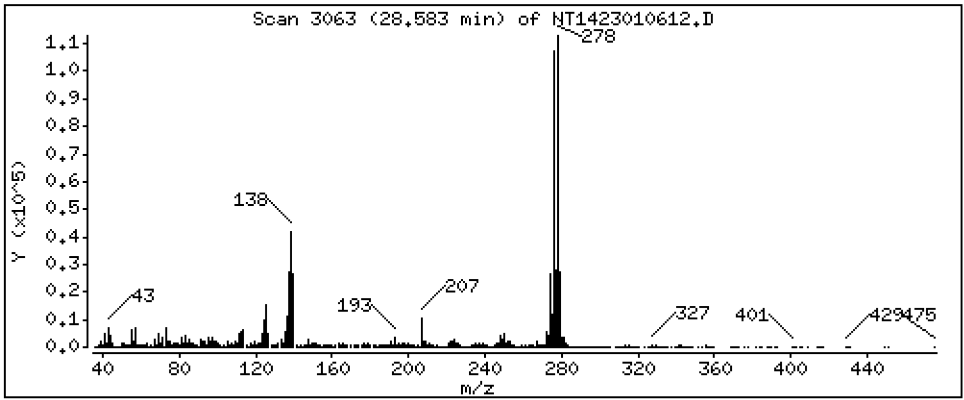
Client ID: Instrument: nt14.i

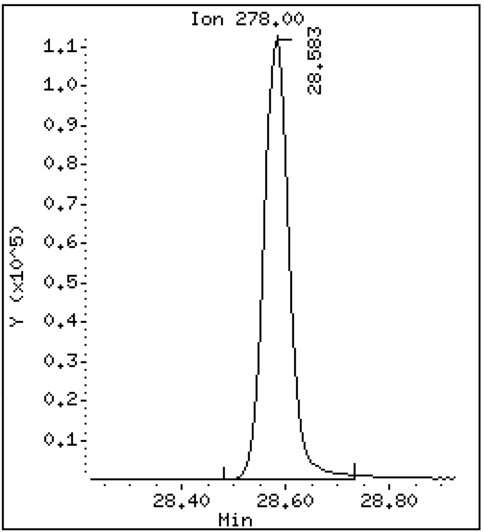
Sample Info: BKL0585-BS1

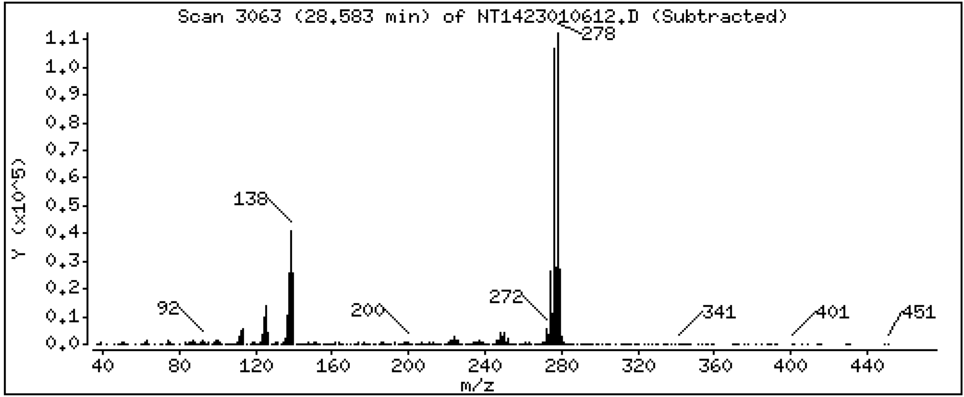
Operator: VTS

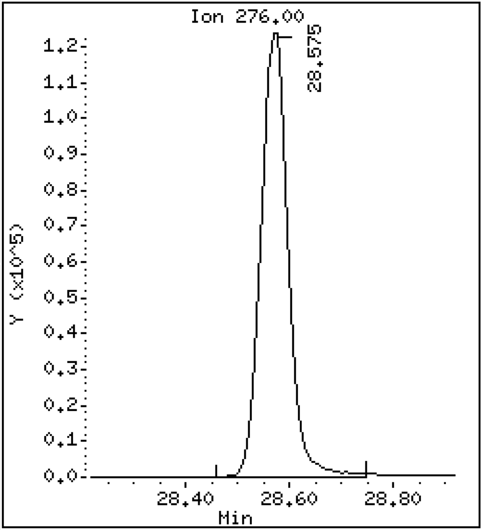
Column phase: ZB-5msi Column diameter: 0.25

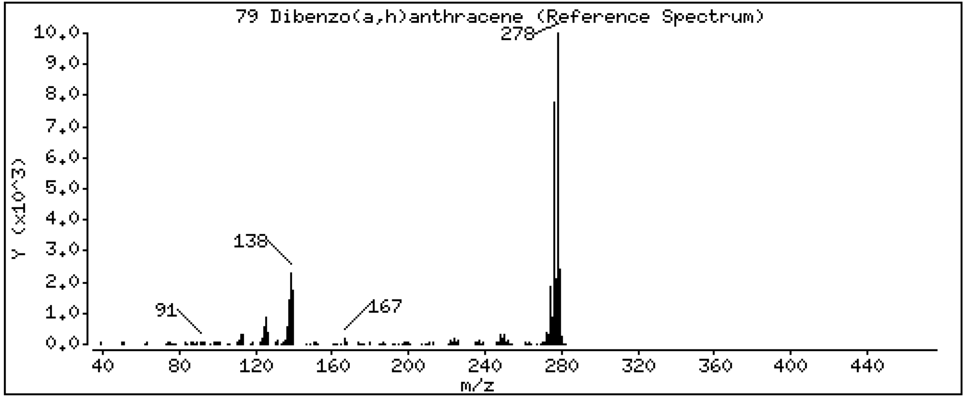
79 Dibenzo(a,h)anthracene Concentration: 4.237 ug/mL

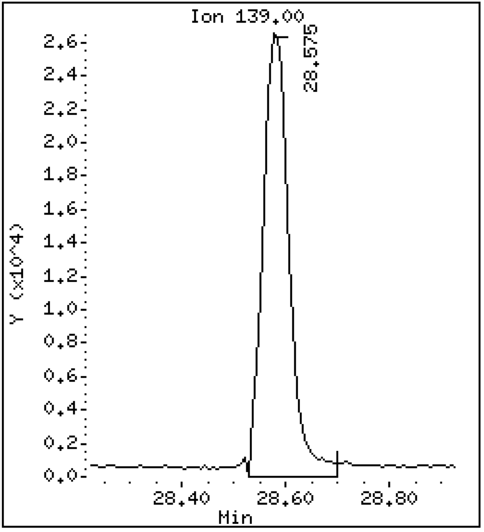

Scan 3063 (28.583 min) of NT1423010612.D

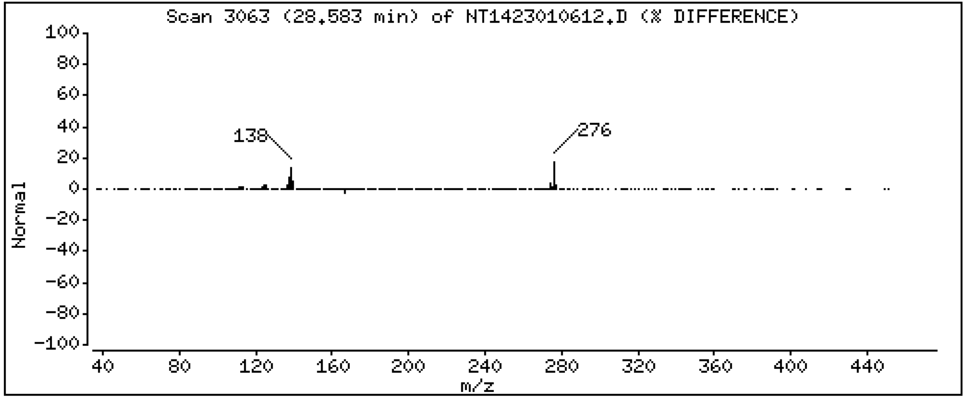

Ion 278.00


Scan 3063 (28.583 min) of NT1423010612.D (Subtracted)


Ion 276.00


79 Dibenzo(a,h)anthracene (Reference Spectrum)


Ion 139.00


Scan 3063 (28.583 min) of NT1423010612.D (% DIFFERENCE)

Data File: \\target\share\chem3\nt14.i\20230106.b\NT1423010612.D

Date : 06-JAN-2023 18:14

Client ID:

Instrument: nt14.i

Sample Info: BKL0585-BS1

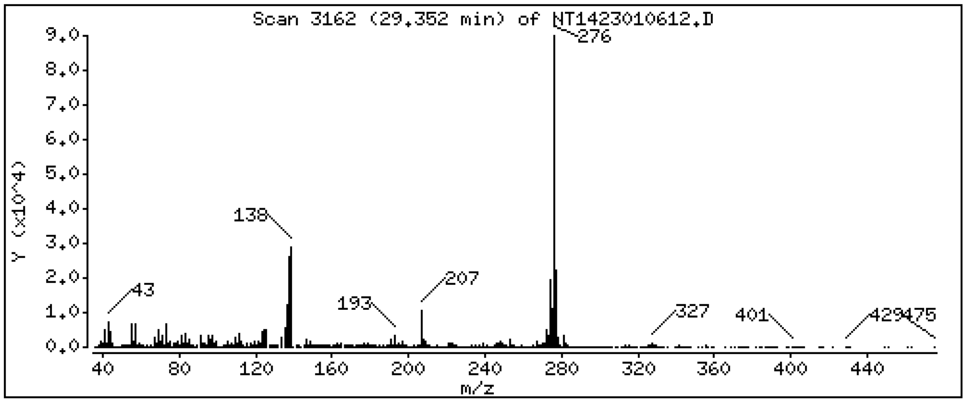
Operator: VTS

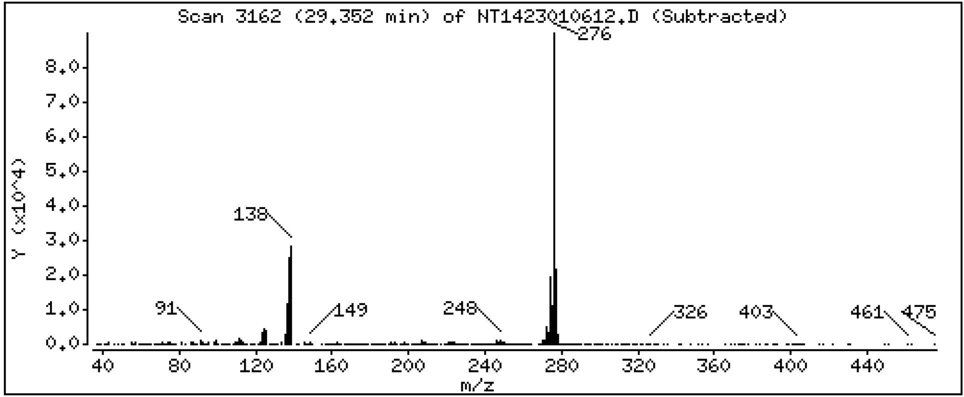
Column phase: ZB-5msi

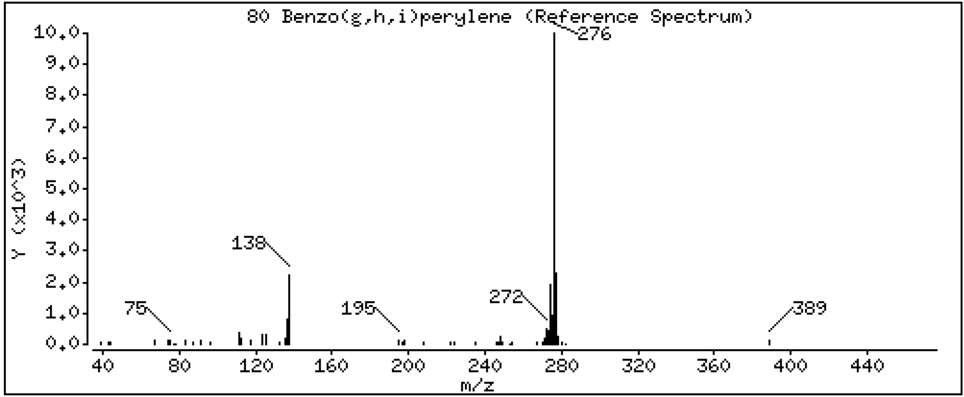
Column diameter: 0.25

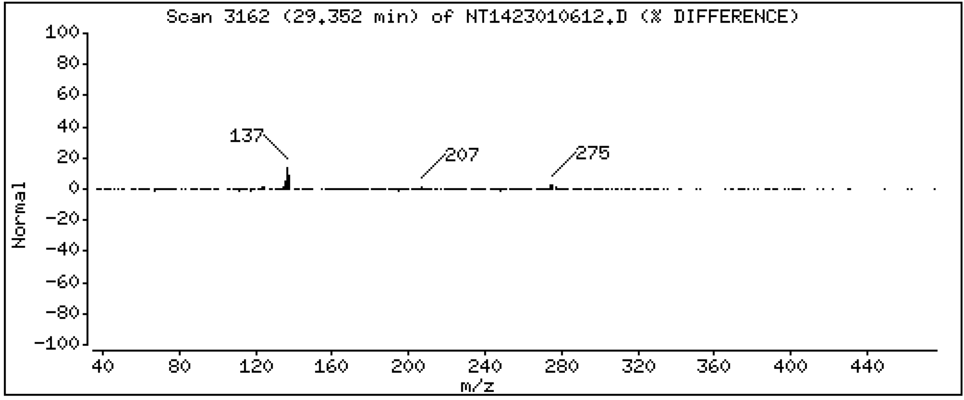
80 Benzo(g,h,i)perylene

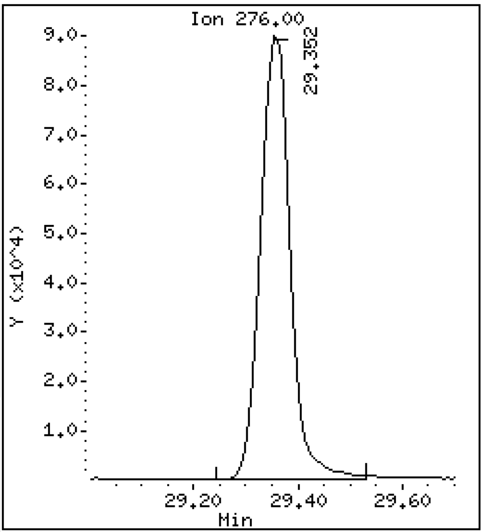
Concentration: 4.061 ug/mL


Scan 3162 (29.352 min) of NT1423010612.D


Scan 3162 (29.352 min) of NT1423010612.D (Subtracted)


80 Benzo(g,h,i)perylene (Reference Spectrum)


Scan 3162 (29.352 min) of NT1423010612.D (% DIFFERENCE)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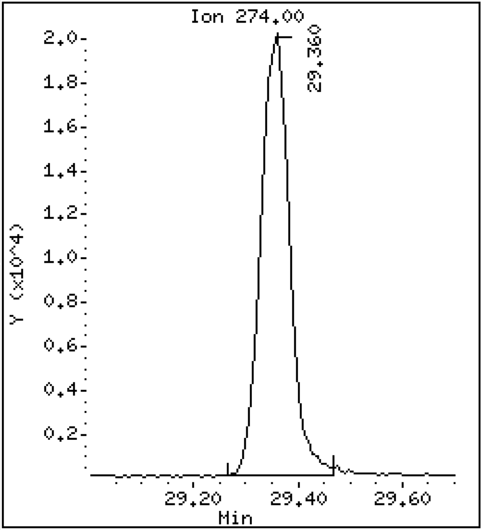
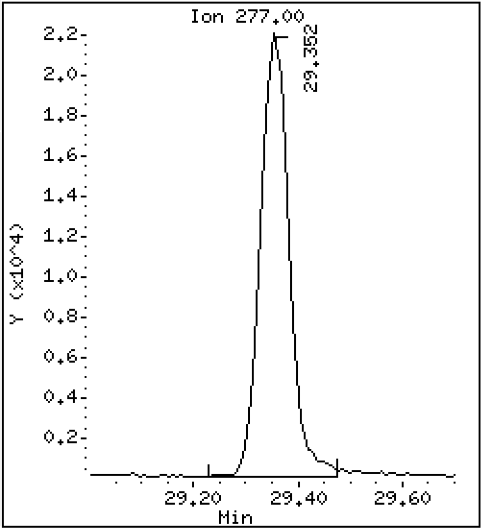

Ion 274.00


Ion 277.00

Data File: \\target\share\chem3\nt14.i\20230106.b\NT1423010612.D

Date : 06-JAN-2023 18:14

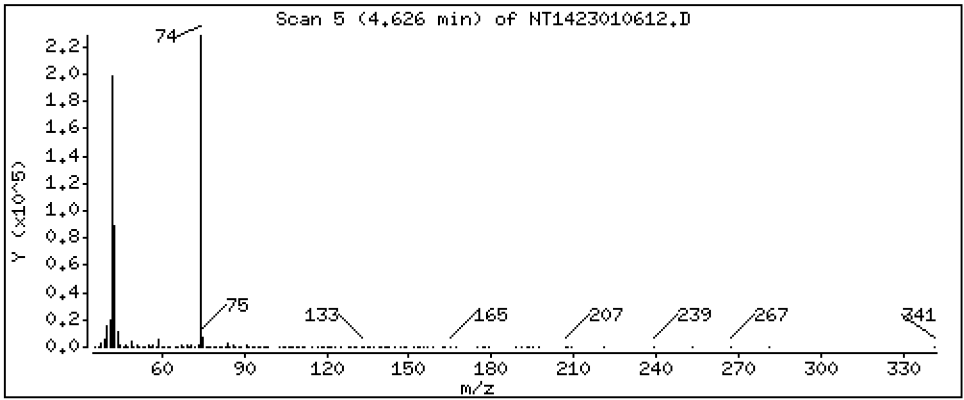
Client ID: Instrument: nt14.i

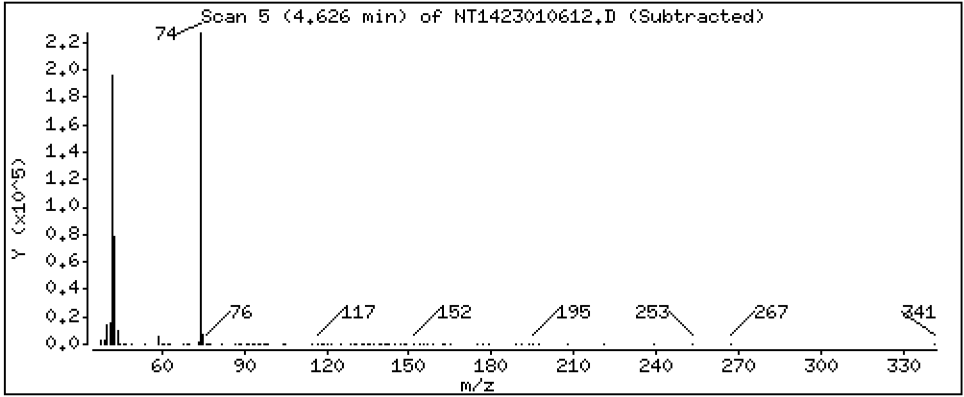
Sample Info: BKL0585-BS1

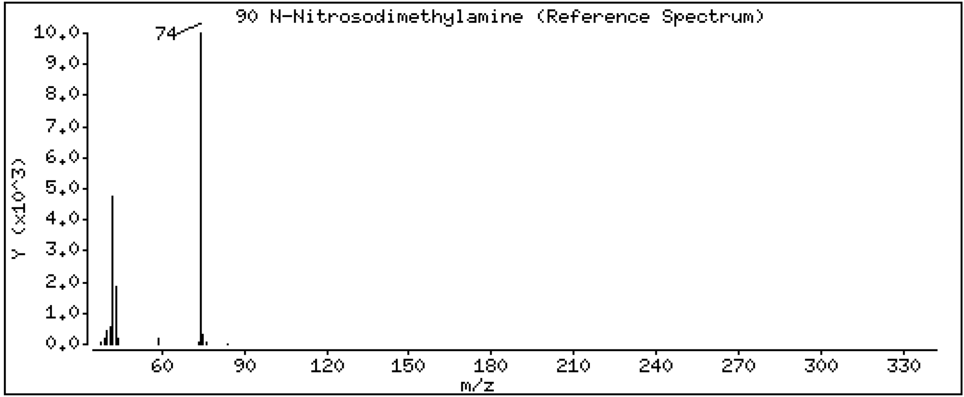
Operator: VTS

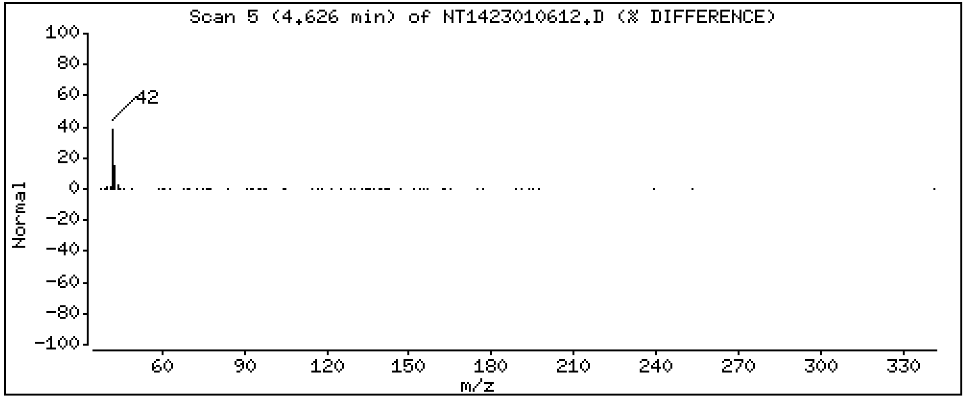
Column phase: ZB-5msi Column diameter: 0.25

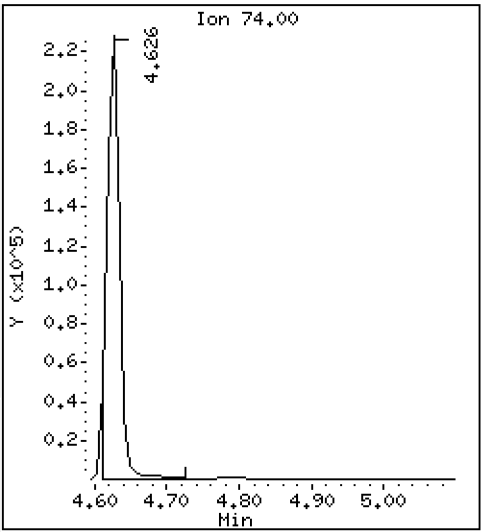
90 N-Nitrosodimethylamine Concentration: 9.509 ug/mL

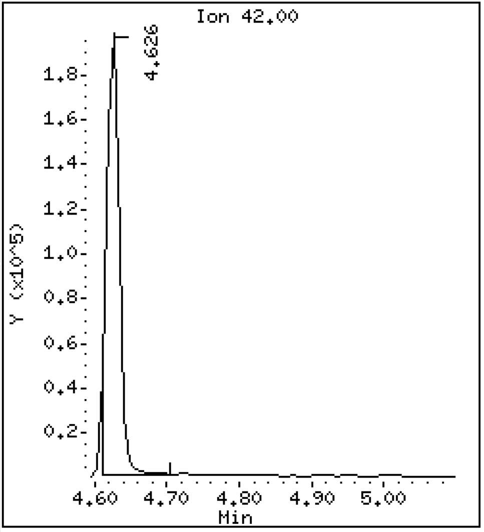

Scan 5 (4.626 min) of NT1423010612.D


Scan 5 (4.626 min) of NT1423010612.D (Subtracted)


90 N-Nitrosodimethylamine (Reference Spectrum)


Scan 5 (4.626 min) of NT1423010612.D (% DIFFERENCE)


Ion 74.00


Ion 42.00

Data File: \\target\share\chem3\nt14.i\20230106.b\NT1423010612.D

Date : 06-JAN-2023 18:14

Client ID:

Instrument: nt14.i

Sample Info: BKL0585-BS1

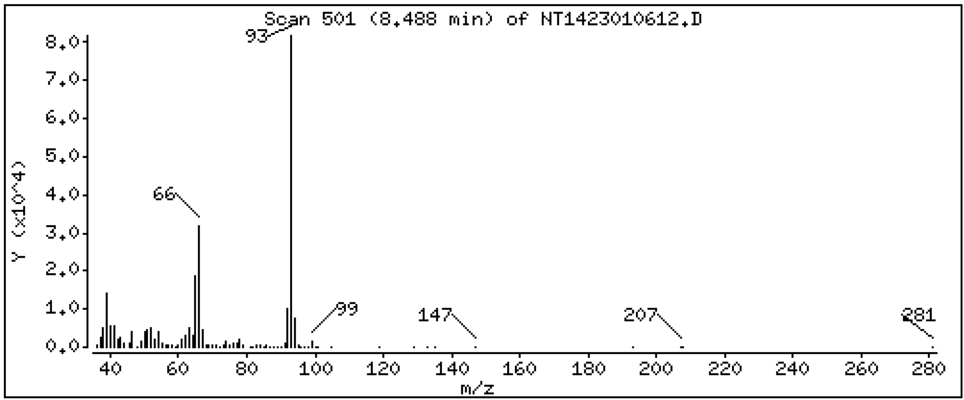
Operator: VTS

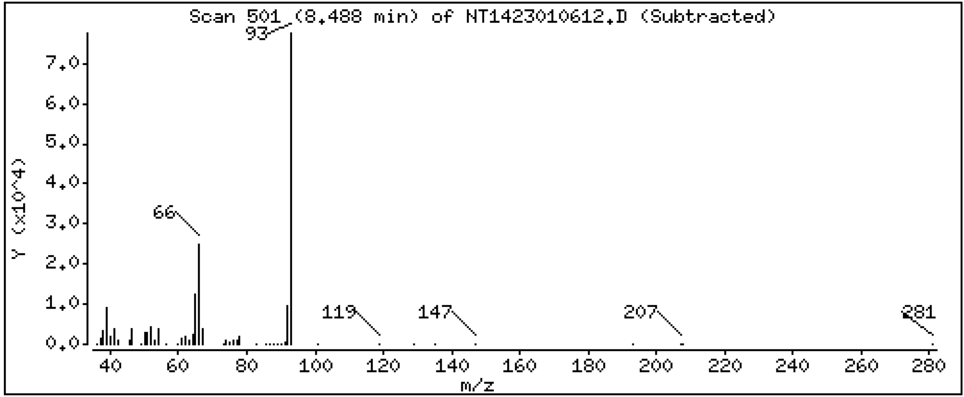
Column phase: ZB-5msi

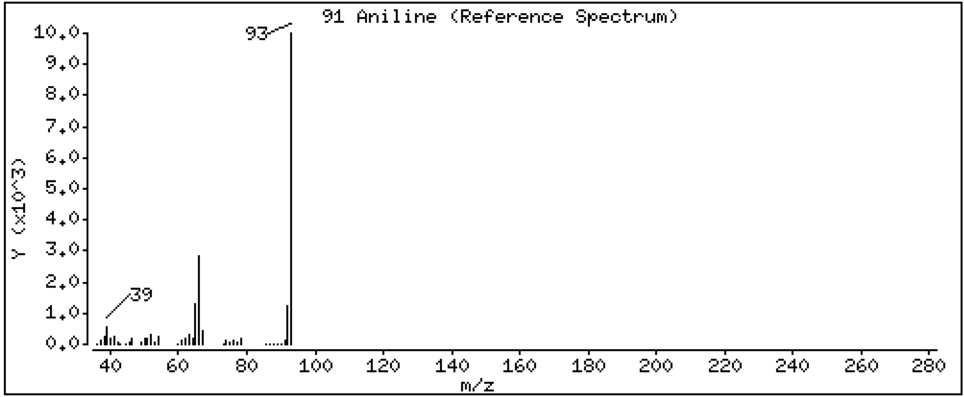
Column diameter: 0.25

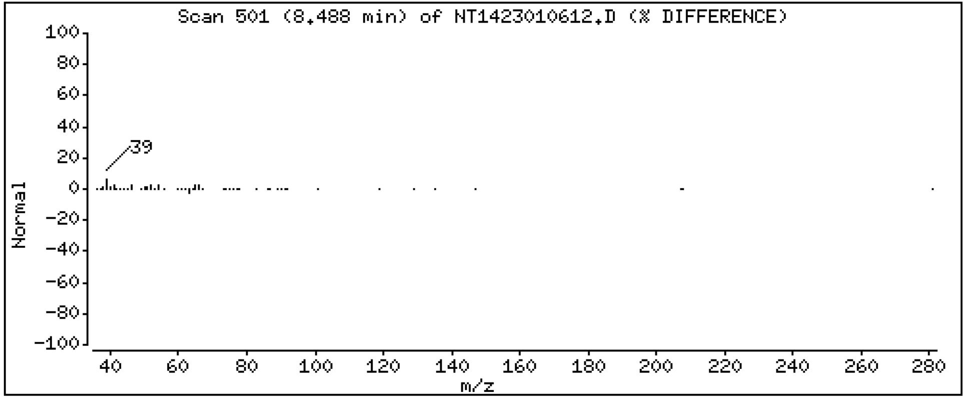
91 Aniline

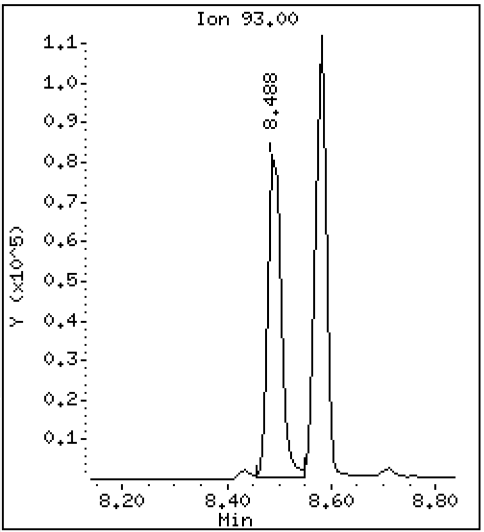
Concentration: 2.263 ug/mL

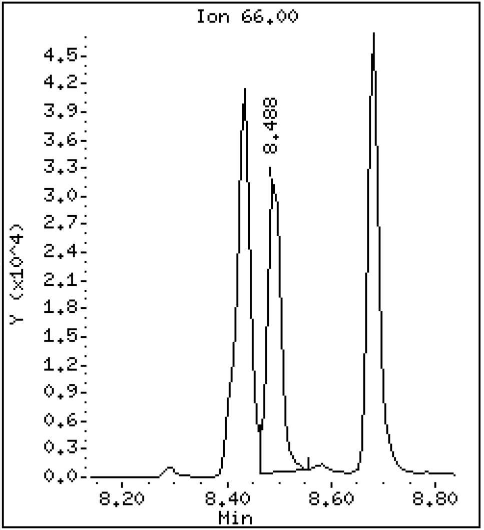


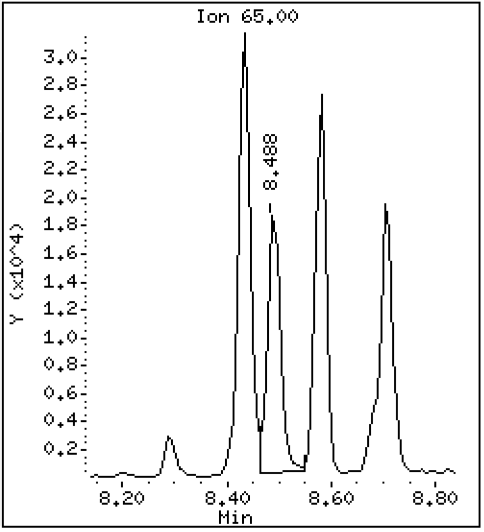












Data File: \\target\share\chem3\nt14.i\20230106.b\NT1423010612.D

Date : 06-JAN-2023 18:14

Client ID:

Instrument: nt14.i

Sample Info: BKL0585-BS1

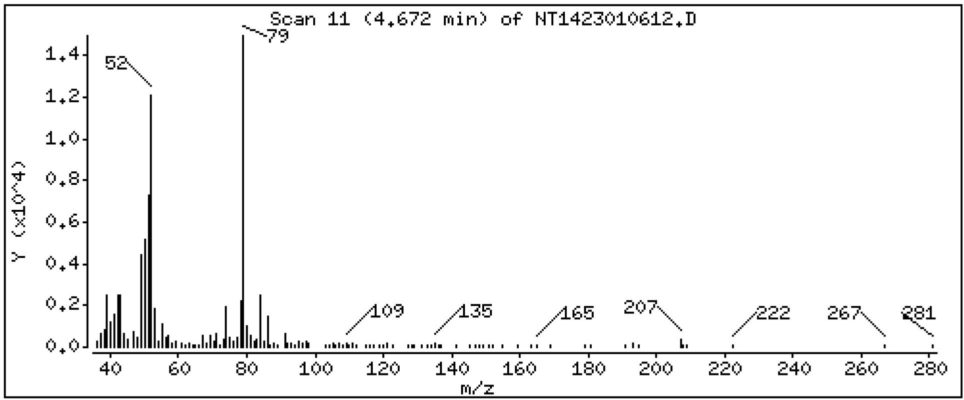
Operator: VTS

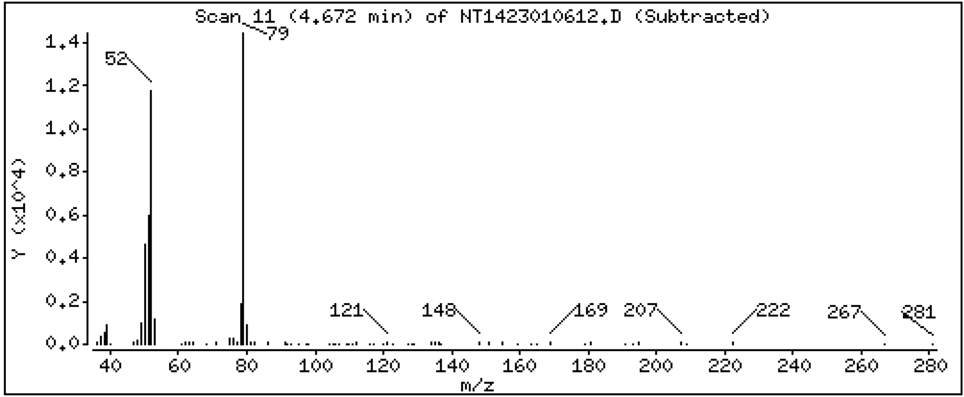
Column phase: ZB-5msi

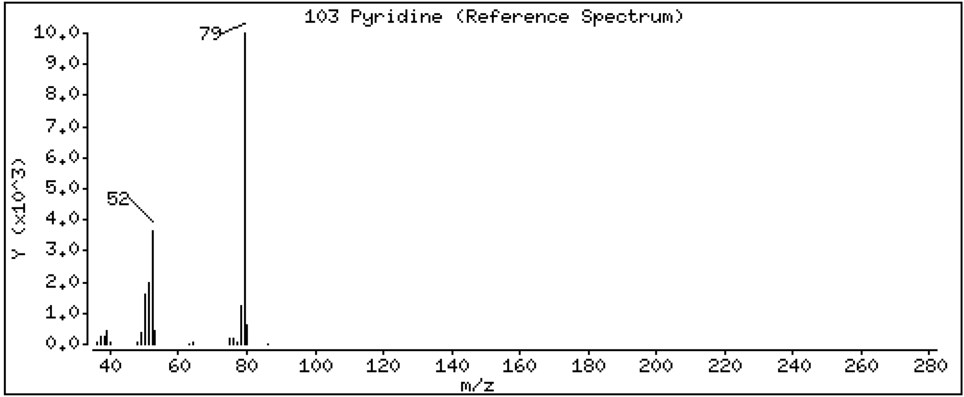
Column diameter: 0.25

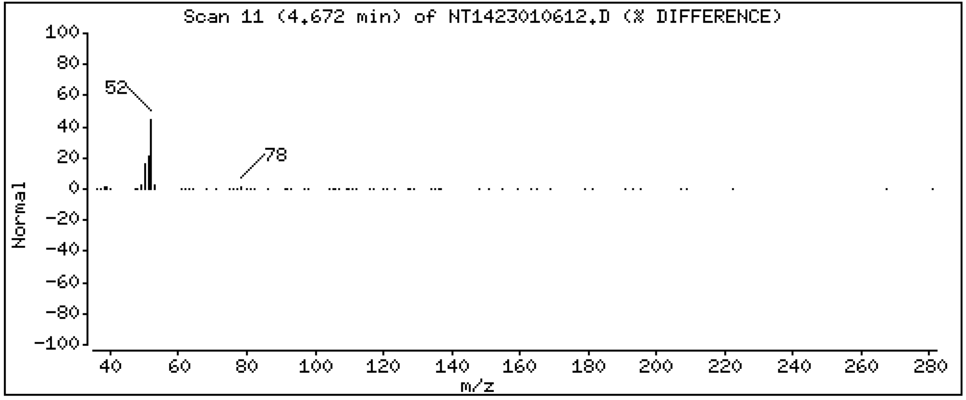
103 Pyridine

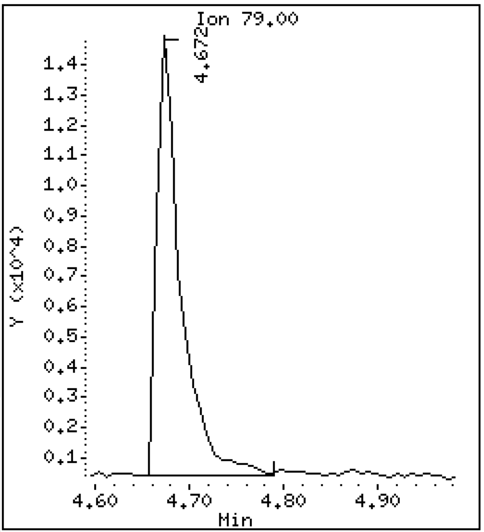
Concentration: 0.2730 ug/mL

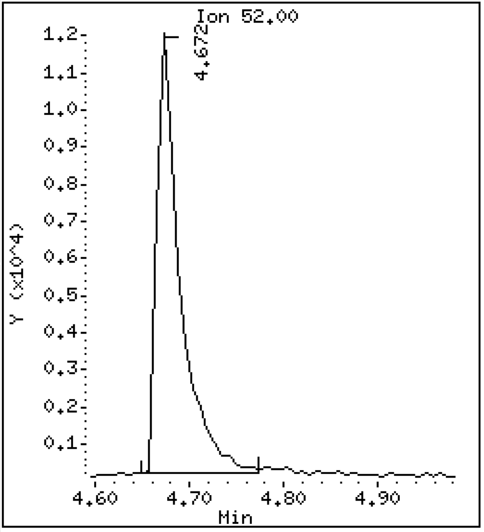

Scan 11 (4.672 min) of NT1423010612.D


Scan 11 (4.672 min) of NT1423010612.D (Subtracted)


103 Pyridine (Reference Spectrum)


Scan 11 (4.672 min) of NT1423010612.D (% DIFFERENCE)


Ion 79.00


Ion 52.00

Data File: \\target\share\chem3\nt14.i\20230106.b\NT1423010612.D

Date : 06-JAN-2023 18:14

Client ID:

Instrument: nt14.i

Sample Info: BKL0585-BS1

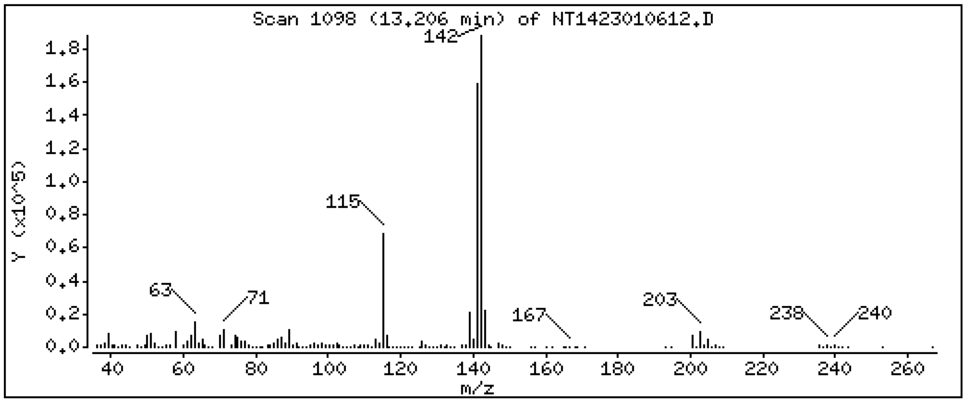
Operator: VTS

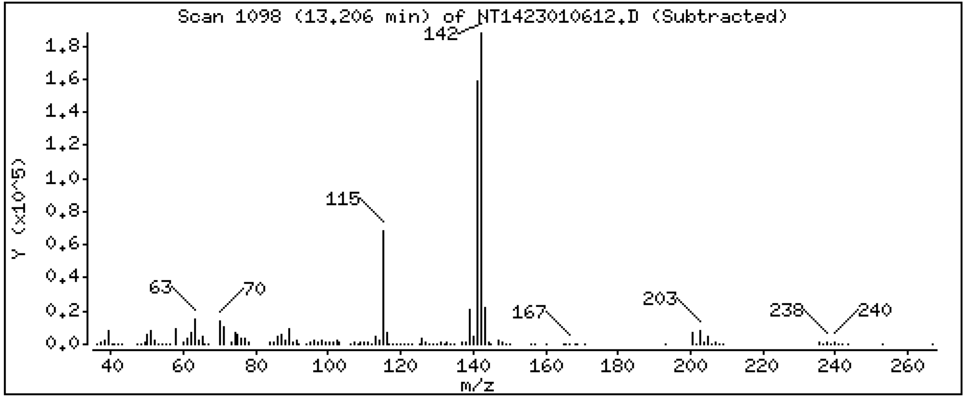
Column phase: ZB-5msi

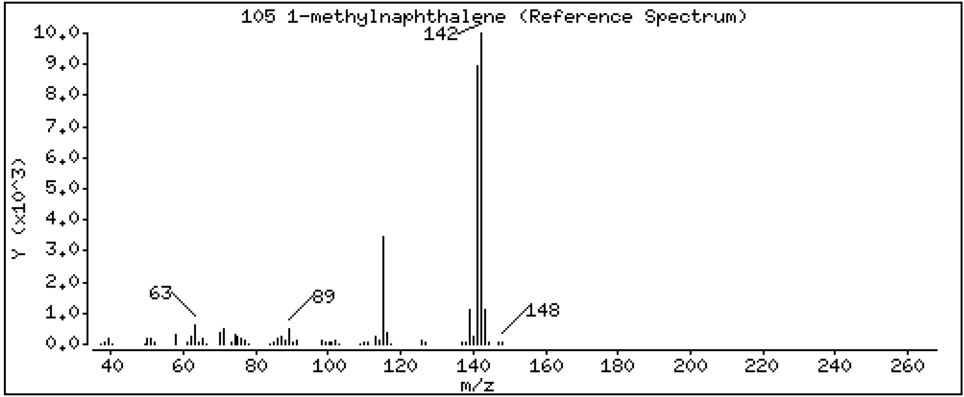
Column diameter: 0.25

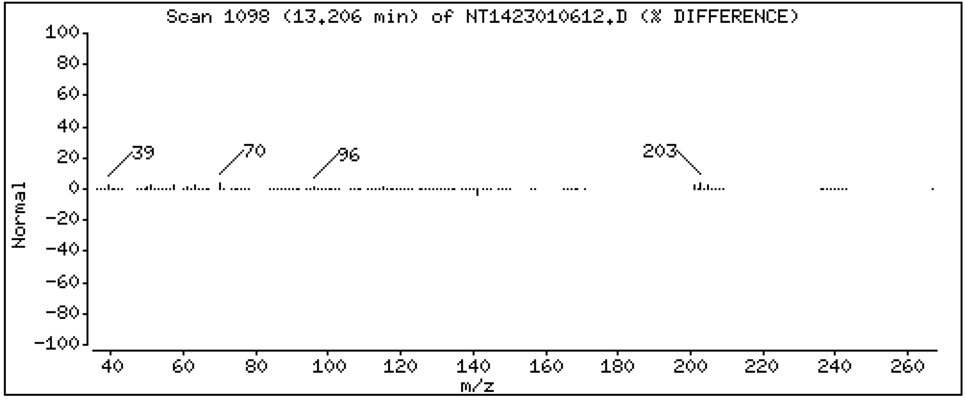
105 1-methylnaphthalene

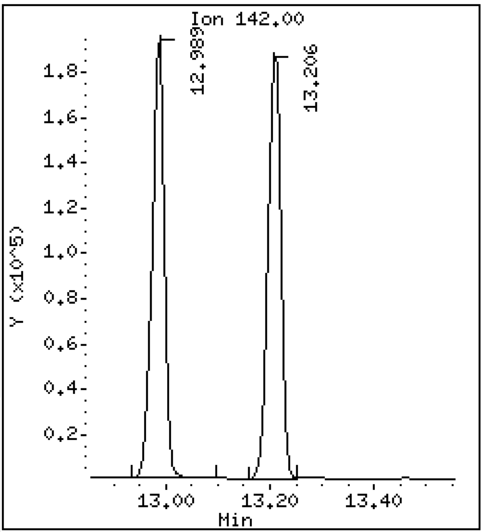
Concentration: 3.539 ug/mL

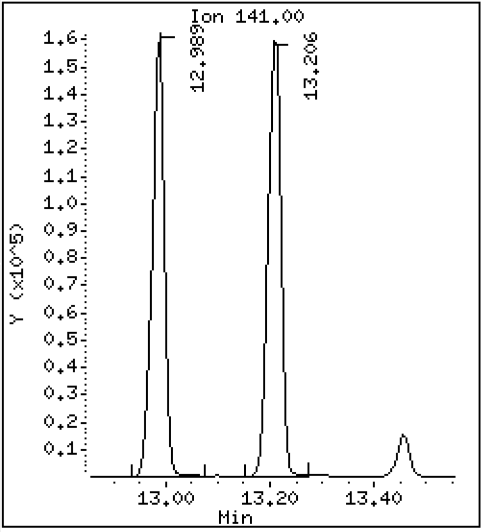












Data File: \\target\share\chem3\nt14.i\20230106.b\NT1423010612.D

Date : 06-JAN-2023 18:14

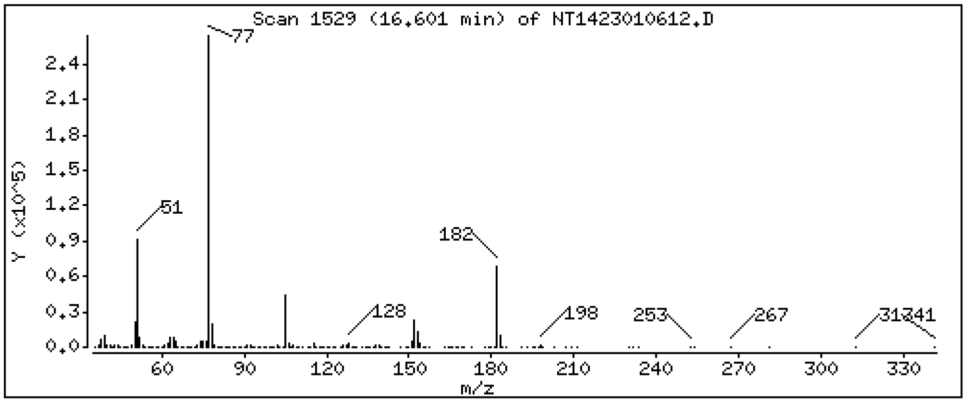
Client ID: Instrument: nt14.i

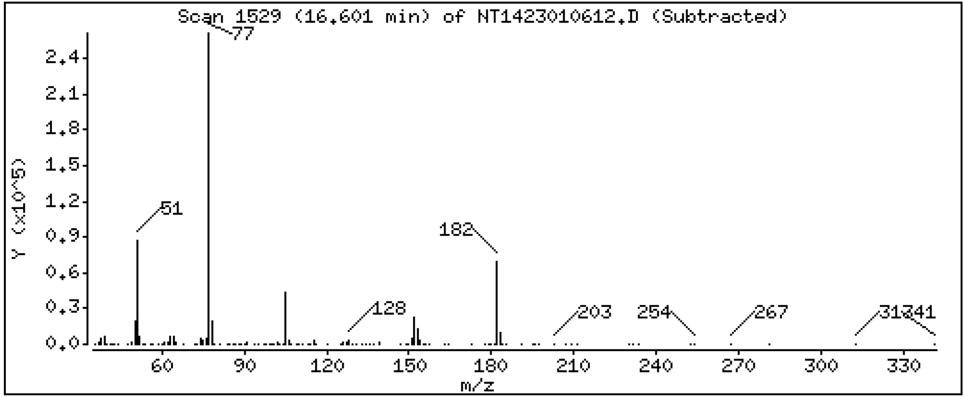
Sample Info: BKL0585-BS1

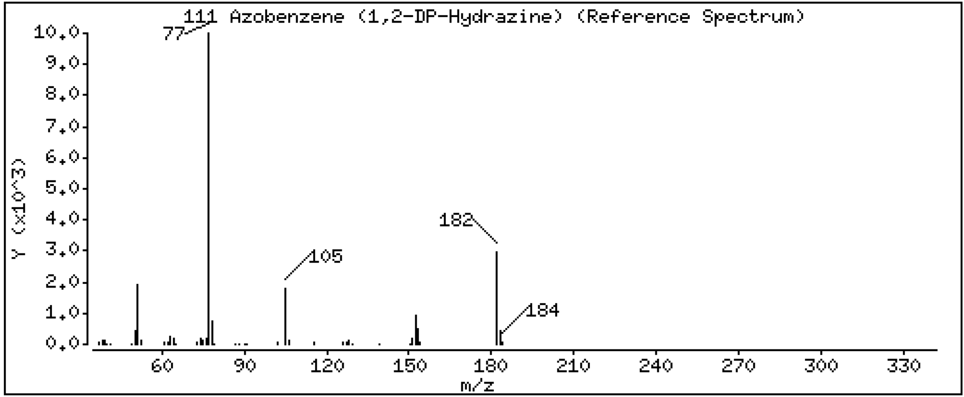
Operator: VTS

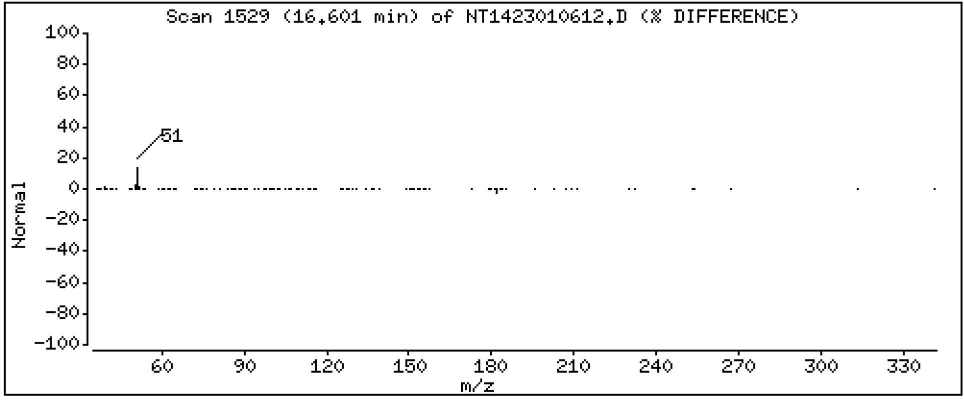
Column phase: ZB-5msi Column diameter: 0.25

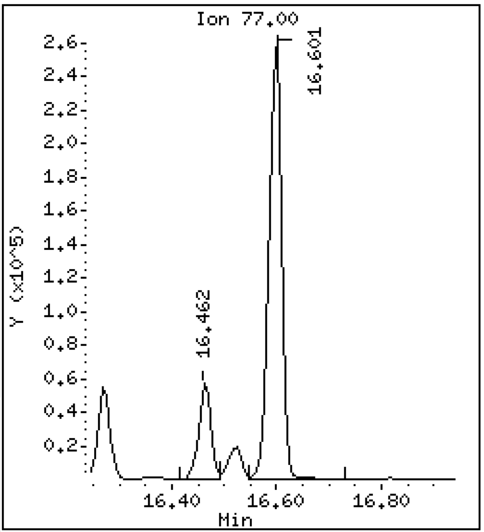
111 Azobenzene (1,2-DP-Hydrazine) Concentration: 4.688 ug/mL

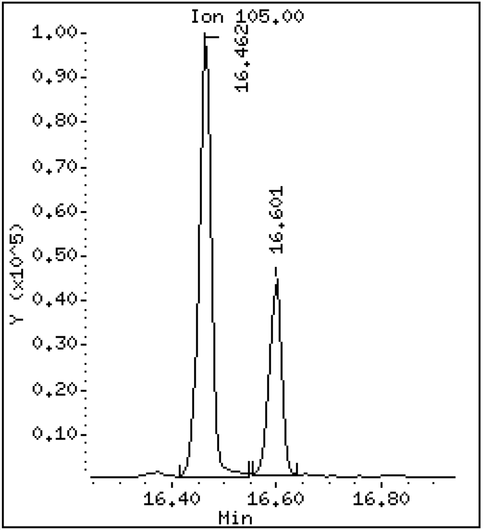

Scan 1529 (16.601 min) of NT1423010612.D

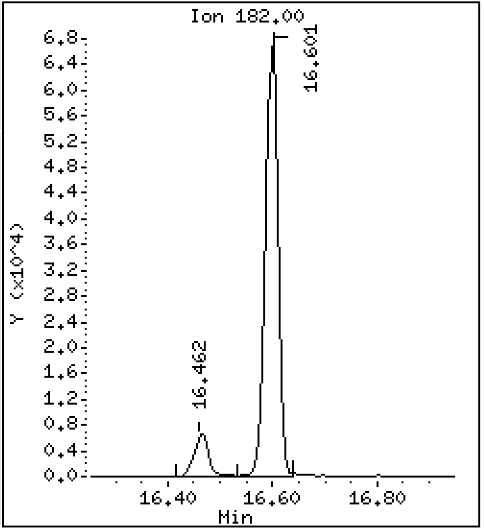

Scan 1529 (16.601 min) of NT1423010612.D (Subtracted)


111 Azobenzene (1,2-DP-Hydrazine) (Reference Spectrum)


Scan 1529 (16.601 min) of NT1423010612.D (% DIFFERENCE)


Ion 77.00


Ion 105.00


Ion 182.00

Data File: \\target\share\chem3\nt14.i\20230106.b\NT1423010612.D

Date : 06-JAN-2023 18:14

Client ID:

Instrument: nt14.i

Sample Info: BKL0585-BS1

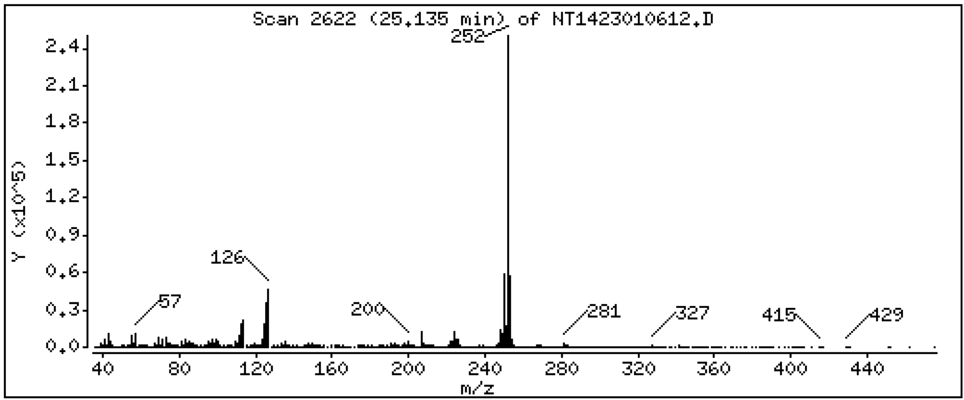
Operator: VTS

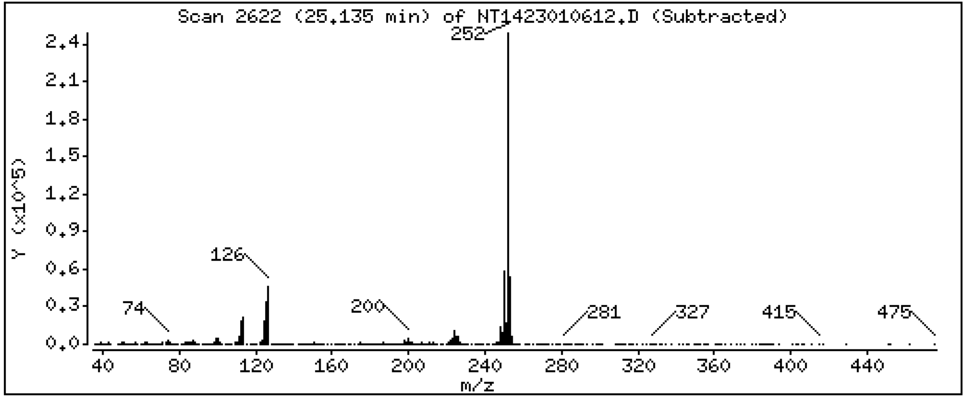
Column phase: ZB-5msi

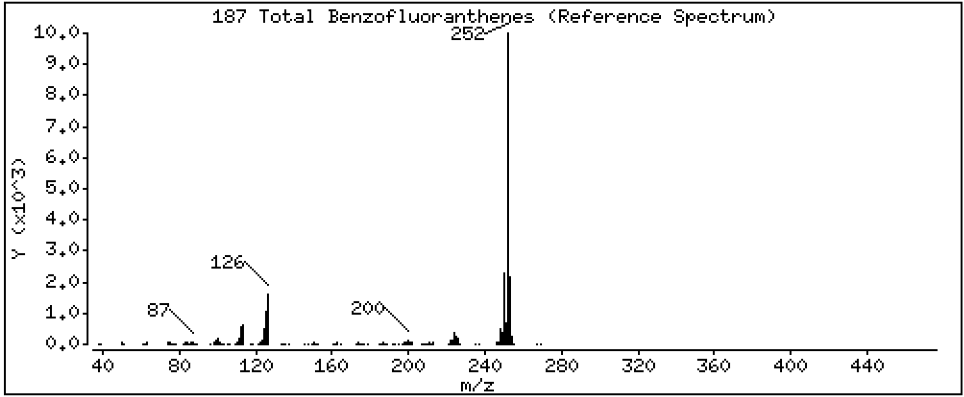
Column diameter: 0.25

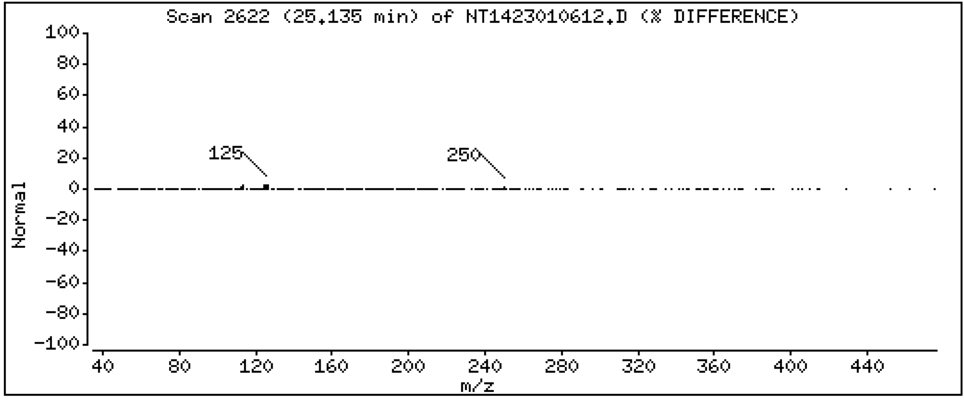
187 Total Benzofluoranthenes

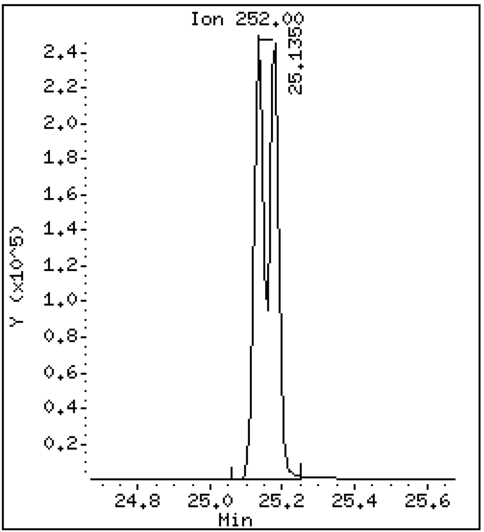
Concentration: 8.337 ug/mL

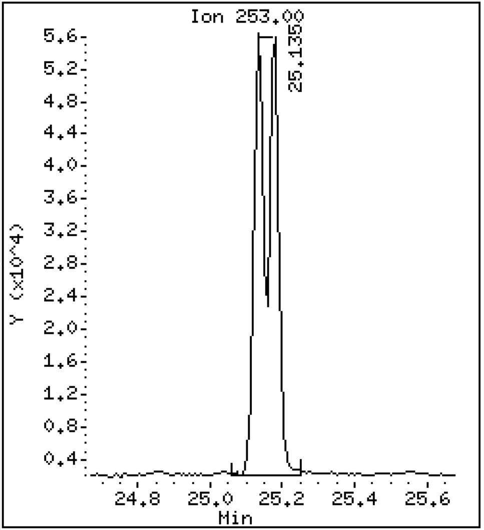


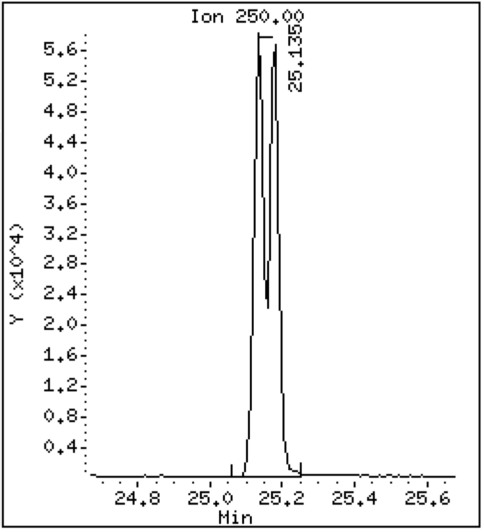












Data File: \\target\share\chem3\nt14.i\20230106.b\NT1423010612.D

Date : 06-JAN-2023 18:14

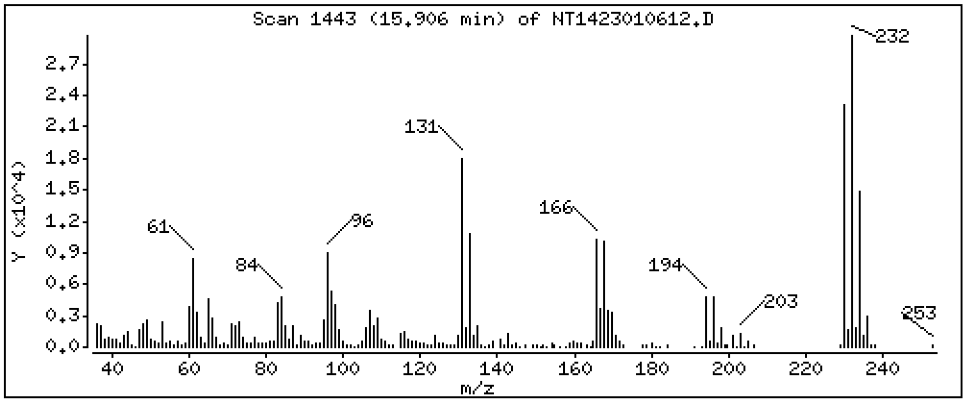
Client ID: Instrument: nt14.i

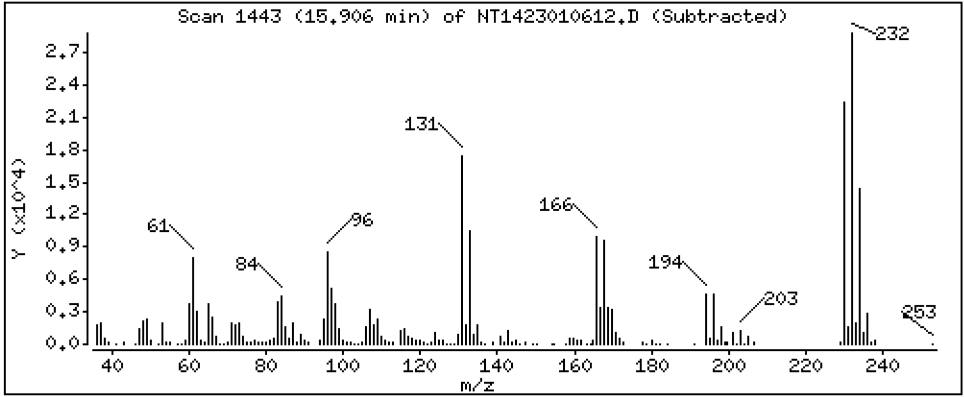
Sample Info: BKL0585-BS1

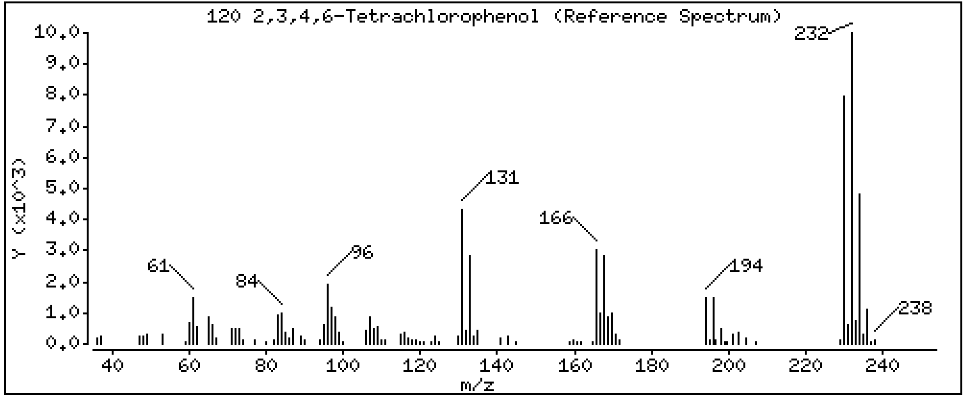
Operator: VTS

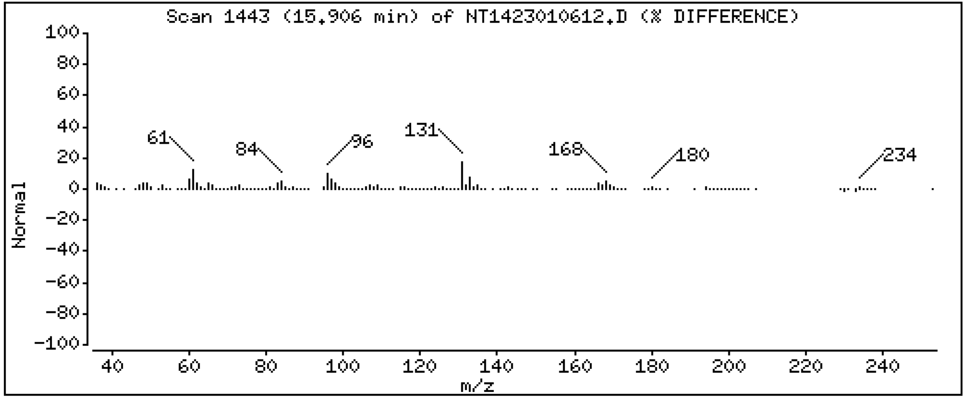
Column phase: ZB-5msi Column diameter: 0.25

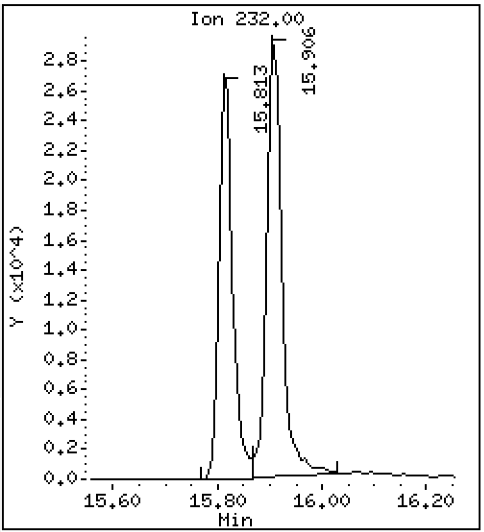
120 2,3,4,6-Tetrachlorophenol Concentration: 3.266 ug/mL

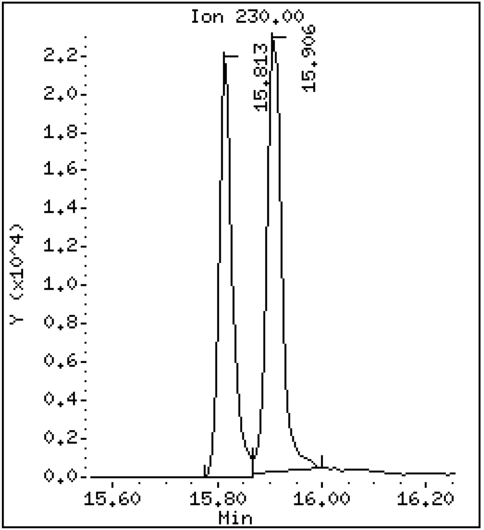


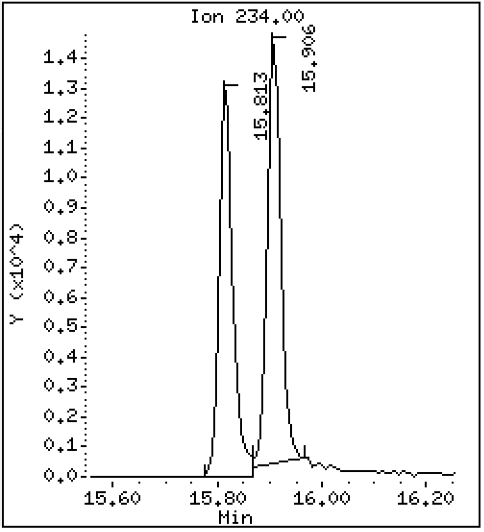












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                              ARI Labs, Inc.

                  Semivolatile Report SW846 Method 8270D
Data file : \\target\share\chem3\nt14.i\20230106.b\NT1423010612.D
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Inj Date  : 06-JAN-2023 18:14          MS Autotune Date: 17-MAY-2011 01:22
Operator  : VTS                        Inst ID: nt14.i
Smp Info  : BKL0585-BS1
Misc Info :
Comment   : 1ul Injection
Method    : \\target\share\chem3\nt14.i\20230106.b\ABN.m
Meth Date : 11-Jan-2023 14:40 van      Quant Type: ISTD
Cal Date  : 30-DEC-2022 11:07          Cal File: NT1422123007.D
Als bottle: 12
Dil Factor: 1.00000
Integrator: HP RTE                     Compound Sublist: ICAL.sub
Target Version:  4.14
Processing Host: VANS-201906


                                                                                              CONCENTRATIONS
                                          QUANT SIG                                         ON-COLUMN    FINAL
Compounds                                   MASS         RT   EXP RT   REL RT  RESPONSE      (ug/mL)    (ug/mL)
==========================                  ====       ==== ======== ======== ========     =======    =======
$   1 2-Fluorophenol                         112      6.819   6.811 (0.755)     245702      5.64610      5.646
$   2 Phenol-d5                               99      8.411   8.403 (0.931)     302184      5.61896      5.619
    3 Phenol                                  94      8.434   8.426 (0.933)     182430      2.98534      2.985
$   5 2-Chlorophenol-d4                      132      8.681   8.673 (0.961)     269025      5.95634      5.956
    4 Bis(2-Chloroethyl)ether                 93      8.580   8.580 (0.949)     156519      3.71818      3.718
    6 2-Chlorophenol                         128      8.712   8.704 (0.964)     156172      3.14841      3.148
    7 1,3-Dichlorobenzene                    146      8.975   8.975 (0.993)     176733      3.36000      3.360
*   8 1,4-Dichlorobenzene-d4                 152      9.037   9.037 (1.000)     135833      4.00000
    9 1,4-Dichlorobenzene                    146      9.068   9.068 (1.003)     195175      3.91677      3.917
$  10 1,2-Dichlorobenzene-d4                 152      9.402   9.401 (1.040)     118551      3.84032      3.840
   12 1,2-Dichlorobenzene                    146      9.425   9.425 (1.043)     172439      3.52855      3.529
   11 Benzyl alcohol                         108      9.402   9.308 (1.040)      68748      2.52711      2.527(MH)
   14 2,2'-oxybis(1-Chloropropane)           121      9.619   9.611 (1.064)      55989      3.95166      3.952
   13 2-Methylphenol                         108      9.549   9.541 (1.057)     134176      3.02169      3.022
   17 Hexachloroethane                       117     10.030  10.022 (1.110)      66367      3.62124      3.621
   16 N-Nitroso-di-n-propylamine              70      9.875   9.867 (1.093)     107311      3.96717      3.967
   15 4-Methylphenol                         108      9.829   9.813 (1.088)     138248      2.95132      2.951
$  18 Nitrobenzene-d5                         82     10.139  10.131 (0.878)     185868      4.39287      4.393
   19 Nitrobenzene                            77     10.170  10.170 (0.881)     163662      3.89478      3.895
   20 Isophorone                              82     10.628  10.620 (0.921)     312218      5.82977      5.830
   21 2-Nitrophenol                          139     10.806  10.806 (0.936)      96215      3.63501      3.635
   22 2,4-Dimethylphenol                     107     10.868  10.868 (0.942)     310389      7.07735      7.077
   23 Bis(2-Chloroethoxy)methane              93     11.054  11.054 (0.958)     179261      4.30267      4.303
   24 Benzoic acid                           105     11.062  11.062 (0.958)     417803      15.1256      15.13
   25 2,4-Dichlorophenol                     162     11.272  11.263 (0.977)     464747      12.5715      12.57
   26 1,2,4-Trichlorobenzene                 180     11.457  11.449 (0.993)     164685      4.11991      4.120
*  27 Naphthalene-d8                         136     11.542  11.542 (1.000)     501057      4.00000
   28 Naphthalene                            128     11.581  11.581 (1.003)     455892      3.69718      3.697
   29 4-Chloroaniline                        127     11.712  11.704 (1.015)     367251      7.22198      7.222
   30 Hexachlorobutadiene                    225     11.952  11.951 (1.035)      88995      4.48724      4.487
   31 4-Chloro-3-methylphenol                107     12.687  12.679 (1.099)     473448      13.5711      13.57
   32 2-Methylnaphthalene                    142     12.989  12.981 (1.125)     316614      3.50043      3.500
   33 Hexachlorocyclopentadiene              237     13.453  13.453 (0.887)     156482      8.56664      8.567
```

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Data File: \\target\share\chem3\nt14.i\20230106.b\NT1423010612.D Page 2
Report Date: 11-Jan-2023 14:41


                                                                                      CONCENTRATIONS
                                      QUANT SIG                                     ON-COLUMN    FINAL
Compounds                               MASS        RT    EXP RT   REL RT  RESPONSE   (ug/mL)    (ug/mL)
==========================              ====      ==== ======== ======== ========   =======    =======
   34 2,4,6-Trichlorophenol              196      13.615  13.607 (0.897)    287096    14.2345      14.23
   35 2,4,5-Trichlorophenol              196      13.693  13.685 (0.903)    313031    13.4476      13.45
$  36 2-Fluorobiphenyl                   172      13.770  13.770 (0.908)    348555    4.29013      4.290
   37 2-Chloronaphthalene                162      13.979  13.979 (0.921)    269737    3.90261      3.903
   38 2-Nitroaniline                      65      14.242  14.234 (0.939)    353600    19.4592      19.46
   39 Dimethylphthalate                  163      14.676  14.668 (0.967)    310156    4.55129      4.551
   40 Acenaphthylene                     152      14.854  14.853 (0.979)    417282    3.95947      3.959
   41 2,6-Dinitrotoluene                 165      14.807  14.807 (0.976)    269993    17.5557      17.56
*  42 Acenaphthene-d10                   164      15.171  15.171 (1.000)    241644    4.00000
   43 3-Nitroaniline                     138      15.094  15.093 (0.995)    220369    11.7893      11.79
   44 Acenaphthene                       153      15.241  15.232 (1.005)    267328    4.08973      4.090
   45 2,4-Dinitrophenol                  184      15.310  15.302 (1.009)    205516    15.1940      15.19
   46 Dibenzofuran                       168      15.565  15.565 (1.026)    380819    3.88501      3.885
   47 4-Nitrophenol                      109      15.434  15.426 (1.017)    129195    13.9786      13.98
   48 2,4-Dinitrotoluene                 165      15.619  15.619 (1.030)    359932    17.0578      17.06
   50 Diethylphthalate                   149      16.137  16.137 (1.064)    472452    5.10062      5.101
   49 Fluorene                           166      16.284  16.276 (1.073)    401365    3.84901      3.849
   51 4-Chlorophenyl-phenylether         204      16.276  16.268 (1.073)    182935    3.58330      3.583
   52 4-Nitroaniline                     138      16.369  16.361 (1.079)    295547    12.7441      12.74
   53 4,6-Dinitro-2-methylphenol         198      16.461  16.461 (0.903)    382469    20.5360      20.54
   54 N-Nitrosodiphenylamine             169      16.523  16.523 (0.907)    246225    3.38735      3.387
$  55 2,4,6-Tribromophenol               330      16.816  16.816 (1.108)     75796    6.46852      6.469
   56 4-Bromophenyl-phenylether          248      17.279  17.278 (0.948)    104516    3.79717      3.797
   57 Hexachlorobenzene                  284      17.596  17.595 (0.966)    104982    3.47560      3.476
   58 Pentachlorophenol                  266      17.960  17.952 (0.986)     97954    7.22147      7.221
*  59 Phenanthrene-d10                   188      18.223  18.215 (1.000)    423608    4.00000
   60 Phenanthrene                       178      18.269  18.261 (1.003)    422489    3.82526      3.825
   61 Anthracene                         178      18.362  18.354 (1.008)    345450    3.27633      3.276
   62 Carbazole                          167      18.695  18.687 (1.026)    361909    3.55056      3.551
   63 Di-n-butylphthalate                149      19.492  19.484 (1.070)    583770    4.87474      4.875
   64 Fluoranthene                       202      20.660  20.652 (0.888)    480699    4.54785      4.548
   65 Pyrene                             202      21.085  21.077 (0.906)    462107    4.15816      4.158
$  66 Terphenyl-d14                      244      21.364  21.364 (0.918)    406099    5.15355      5.154
   67 Butylbenzylphthalate               149      22.285  22.285 (0.957)    240849    5.63141      5.631
   68 Benzo(a)anthracene                 228      23.245  23.245 (0.999)    436707    4.39153      4.392
*  69 Chrysene-d12                       240      23.276  23.268 (1.000)    328270    4.00000
   70 3,3'-Dichlorobenzidine             252      23.199  23.199 (0.997)    385314    12.6574      12.66
   71 Chrysene                           228      23.323  23.315 (1.002)    422299    4.49578      4.496
   72 bis(2-Ethylhexyl)phthalate         149      23.315  23.315 (0.960)    364185    5.02395      5.024
* 134 Di-n-octylphthalate-d4             153      24.298  24.298 (1.000)    652719    4.00000
   73 Di-n-octylphthalate                149      24.314  24.306 (1.001)    655628    4.18449      4.184
   74 Benzo(b)fluoranthene               252      25.134  25.126 (0.970)    473176    4.27392      4.274
   75 Benzo(k)fluoranthene               252      25.181  25.173 (0.972)    461438    4.09501      4.095
   76 Benzo(a)pyrene                     252      25.785  25.784 (0.996)    371403    4.03544      4.035
*  77 Perylene-d12                       264      25.901  25.901 (1.000)    352283    4.00000
   78 Indeno(1,2,3-cd)pyrene             276      28.575  28.567 (1.103)    447786    4.27997      4.280
   79 Dibenzo(a,h)anthracene             278      28.582  28.574 (1.104)    376655    4.23653      4.237
   80 Benzo(g,h,i)perylene               276      29.351  29.351 (1.133)    355932    4.06104      4.061
   90 N-Nitrosodimethylamine              74       4.626   4.749 (0.512)    284994    9.50915      9.509
   91 Aniline                            93       8.488   8.487 (0.939)    134655    2.26310      2.263
   93 Benzidine                          184           Compound Not Detected.
  103 Pyridine                           79        4.672   4.633 (0.517)     25995    0.27296     0.2730
  105 1-methylnaphthalene                142      13.205  13.205 (1.144)    307565    3.53902      3.539
  111 Azobenzene (1,2-DP-Hydrazine)       77      16.600  16.592 (1.094)    420682    4.68801      4.688
```

Data File: \\target\share\chem3\nt14.i\20230106.b\NT1423010612.D Page 3
Report Date: 11-Jan-2023 14:41

```
                                                                                  CONCENTRATIONS
                                      QUANT SIG                                ON-COLUMN    FINAL
Compounds                               MASS        RT   EXP RT   REL RT  RESPONSE   (ug/mL)    (ug/mL)
==========================              ====      ==== ======== ======== ========   =======    =======
  187 Total Benzofluoranthenes           252    25.134  25.173 (0.970)    892345   8.33692      8.337
  120 2,3,4,6-Tetrachlorophenol          232    15.905  15.905 (1.048)     57047   3.26578      3.266
```

QC Flag Legend

M - Compound response manually integrated.
H - Operator selected an alternate compound hit.

```
Data File: \\target\share\chem3\nt14.i\20230106.b\NT1423010612.D Page 1
Report Date: 11-Jan-2023 14:41

                                 ARI Labs, Inc.

                           INTERNAL STANDARD COMPOUNDS
                               AREA AND RT SUMMARY

Instrument ID: nt14.i                          Calibration Date: 06-JAN-2023
Lab File ID: NT1423010612.D                    Calibration Time: 12:05
Lab Smp Id: BKL0585-BS1
Analysis Type: SV                                    Level:
Quant Type: ISTD                               Sample Type:
Operator: VTS
Method File: \\target\share\chem3\nt14.i\20230106.b\ABN.m
Misc Info:

Test Mode:
           Use Last Continuing Calibrator.

 _________________________________________________________________________ 
|                     |          |     AREA LIMIT      |          |       |
| COMPOUND            | STANDARD |  LOWER   |  UPPER   |  SAMPLE  | %DIFF |
|=====================|==========|==========|==========|==========|=======|
|  8 1,4-Dichlorobenze|    134115|     67058|    268230|    135833|   1.28|
| 27 Naphthalene-d8   |    499117|    249559|    998234|    501057|   0.39|
| 42 Acenaphthene-d10 |    260320|    130160|    520640|    241644|  -7.17|
| 59 Phenanthrene-d10 |    432406|    216203|    864812|    423608|  -2.03|
| 69 Chrysene-d12     |    317887|    158944|    635774|    328270|   3.27|
|134 Di-n-octylphthala|    664061|    332031|   1328122|    652719|  -1.71|
| 77 Perylene-d12     |    313716|    156858|    627432|    352283|  12.29|
|_____________________|__________|__________|__________|__________|_______|


 _________________________________________________________________________ 
|                     |          |      RT LIMIT       |          |       |
| COMPOUND            | STANDARD |  LOWER   |  UPPER   |  SAMPLE  | %DIFF |
|=====================|==========|==========|==========|==========|=======|
|  8 1,4-Dichlorobenze|      9.04|      8.54|      9.54|      9.04|   0.00|
| 27 Naphthalene-d8   |     11.54|     11.04|     12.04|     11.54|   0.00|
| 42 Acenaphthene-d10 |     15.17|     14.67|     15.67|     15.17|   0.00|
| 59 Phenanthrene-d10 |     18.22|     17.72|     18.72|     18.22|   0.04|
| 69 Chrysene-d12     |     23.27|     22.77|     23.77|     23.28|   0.03|
|134 Di-n-octylphthala|     24.30|     23.80|     24.80|     24.30|   0.00|
| 77 Perylene-d12     |     25.90|     25.40|     26.40|     25.90|   0.00|
|_____________________|__________|__________|__________|__________|_______|

AREA UPPER LIMIT = +100% of internal standard area.
AREA LOWER LIMIT = - 50% of internal standard area.
RT UPPER LIMIT = + 0.50 minutes of internal standard RT.
RT LOWER LIMIT = - 0.50 minutes of internal standard RT.
```

```
REVIEW SUMMARY FOR FILE - NT1423010612.D

Lab ID: BKL0585-BS1
nt14.i,  20230106.b\ABN.m,    06-JAN-2023 18:14

     RT      CO-ELUTION COMPOUNDS
---------------------------------------------------------------------------

            NO CO-ELUTIONS


Quant Method: ICAL



        RRT CHECK

   RRT    CCV RRT   DELTA    COMPOUND
 -------------------------------------

  1.040    1.030    0.0103   Benzyl alcohol
  0.512    0.000    0.5119   N-Nitrosodimethylamine

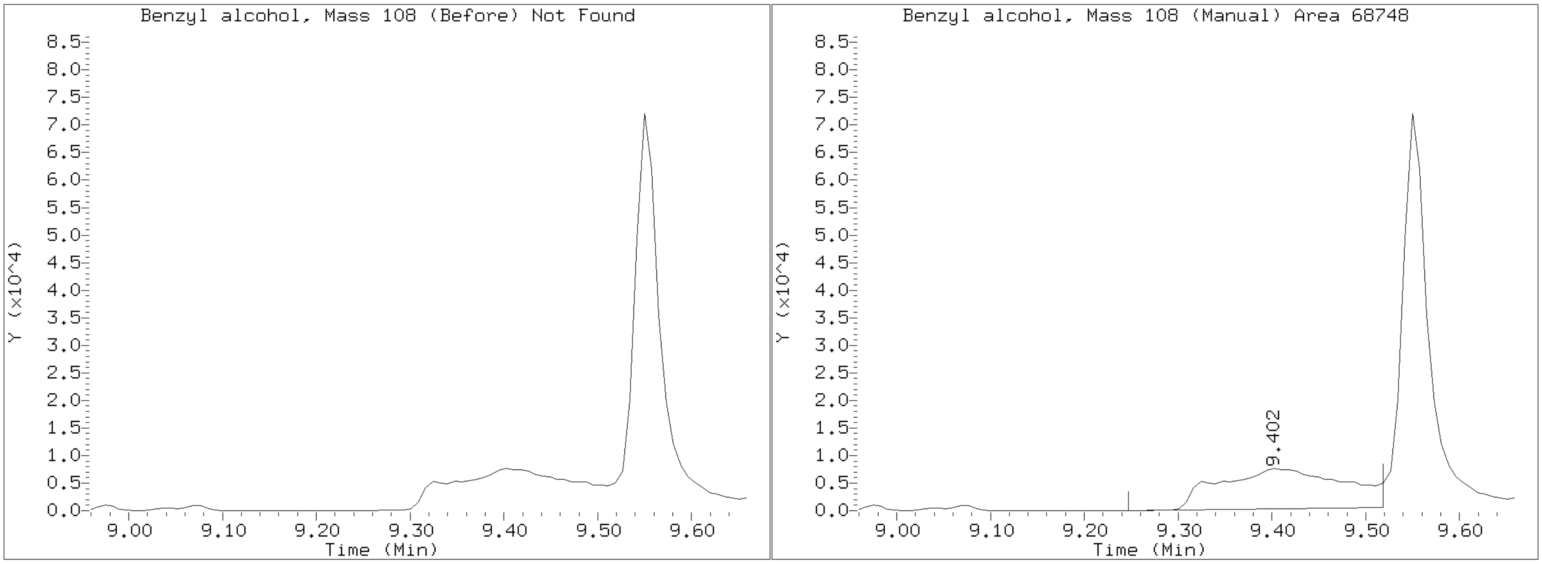
  RRT check based on Ccal File: NT1423010602.D


 On Column LOD for nt14.i, 20230106.b\ABN.m, ICAL.sub = 0.0000


 * Only compounds listed in the work order have been verified by the analyst *
```

Quant Ion Manual Peak Adjustment Report

Datafile: //target/share/chem3/nt14.i/20230106.b/NT1423010612.D
Injection Date: 06-JAN-2023 18:14
Lab ID:BKL0585-BS1 Client ID:
Report Date: 01/11/2023 14:42



Data File: \\target\share\chem3\nt14.i\20230106.b\NT1423010613.D

Page 1

Date : 06-JAN-2023 18:50

Client ID:

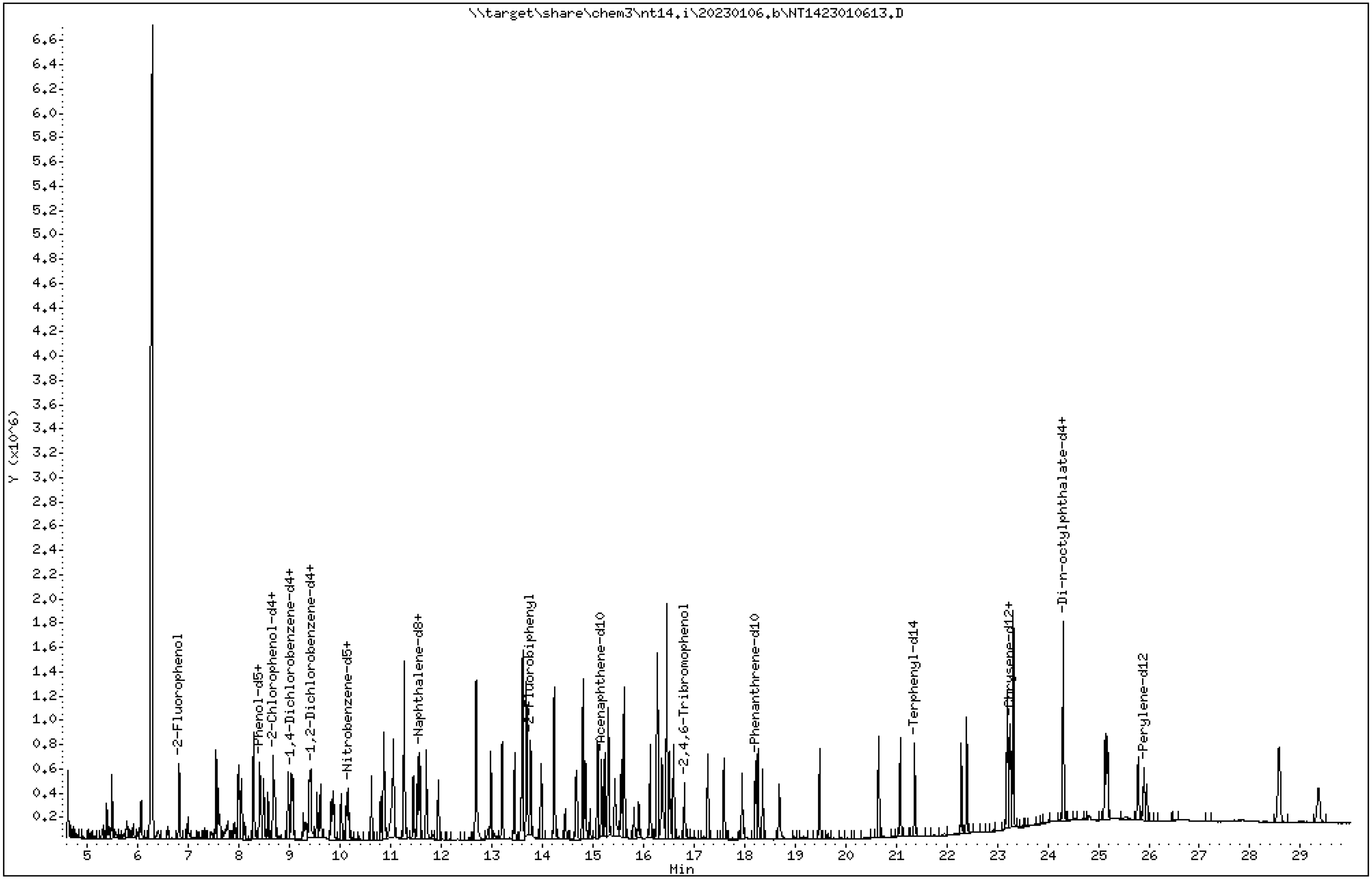
Instrument: nt14.i

Sample Info: BKL0585-BSD1

Operator: VTS

Column phase: ZB-5msi

Column diameter: 0.25



Data File: \\target\share\chem3\nt14.i\20230106.b\NT1423010613.D

Date : 06-JAN-2023 18:50

Client ID:

Instrument: nt14.i

Sample Info: BKL0585-BSD1

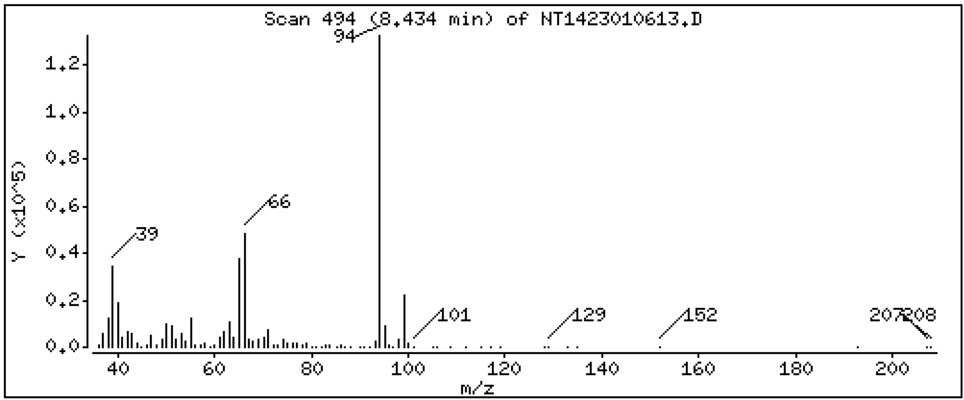
Operator: VTS

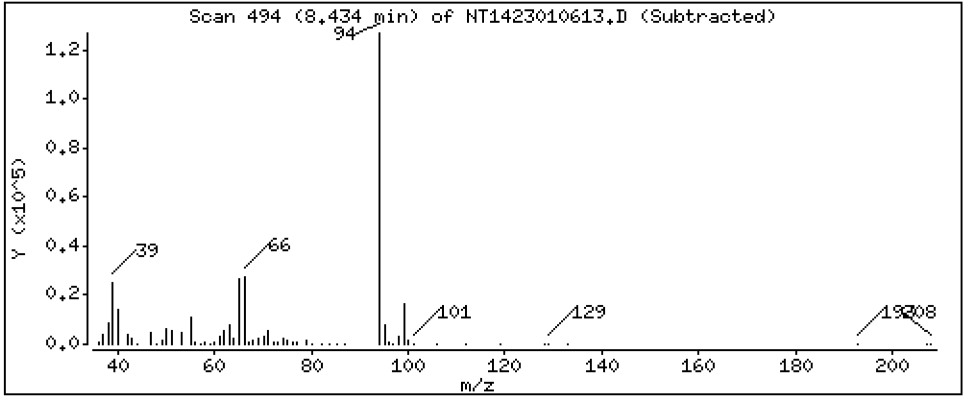
Column phase: ZB-5msi

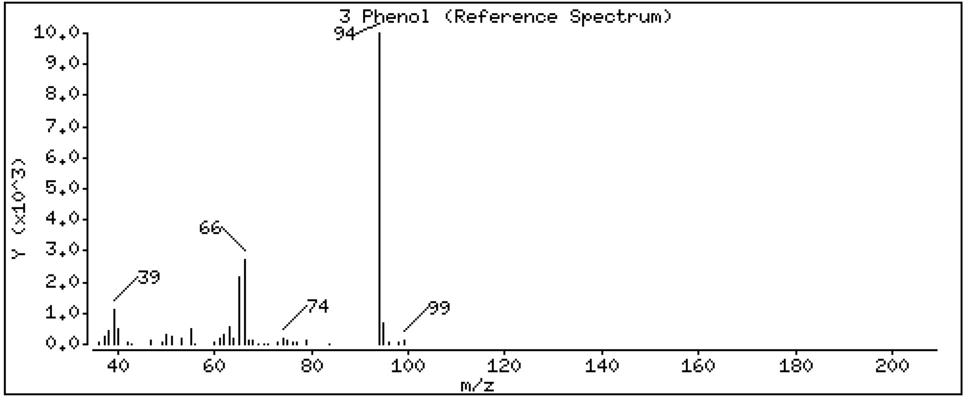
Column diameter: 0.25

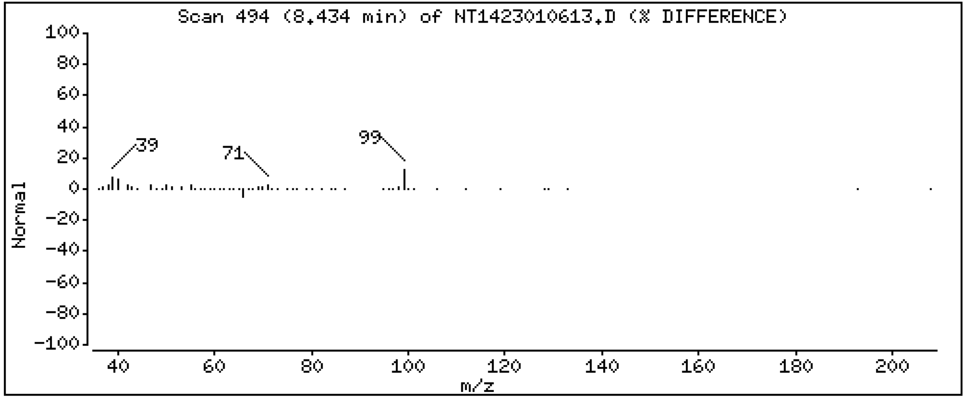
3 Phenol

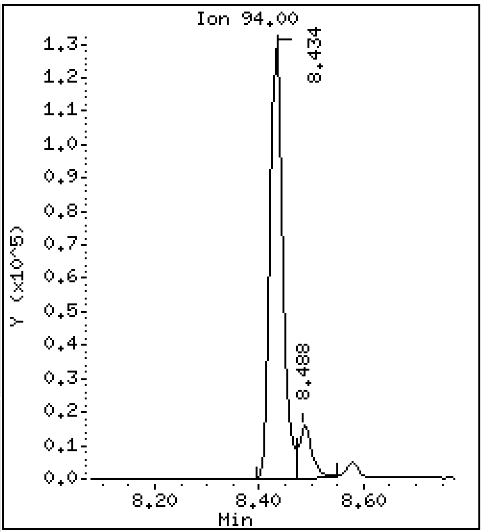
Concentration: 3.450 ug/mL

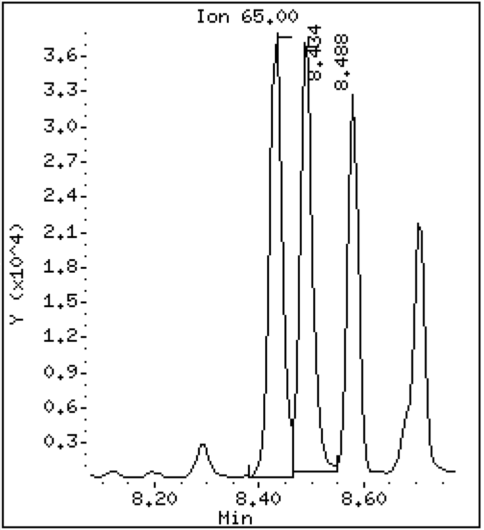


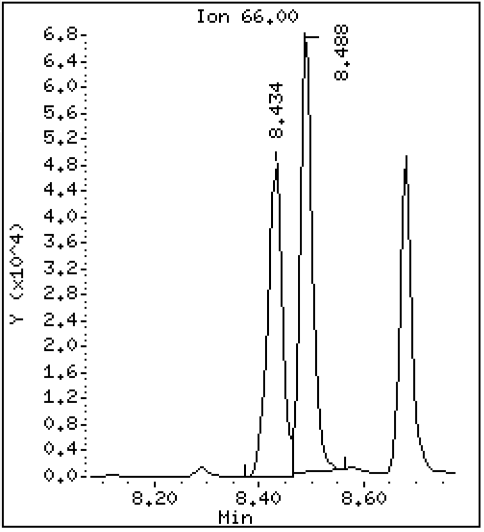












Data File: \\target\share\chem3\nt14.i\20230106.b\NT1423010613.D Page 3

Date : 06-JAN-2023 18:50

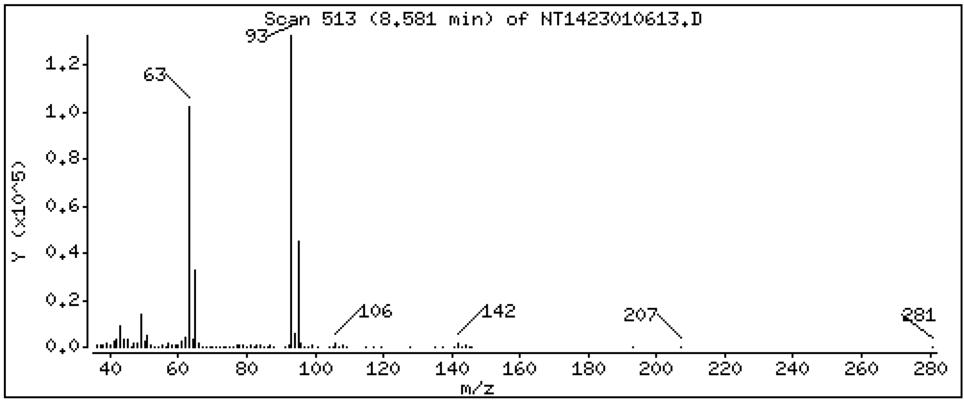
Client ID: Instrument: nt14.i

Sample Info: BKL0585-BSD1

Operator: VTS

Column phase: ZB-5msi Column diameter: 0.25

4 Bis(2-Chloroethyl)ether Concentration: 4.317 ug/mL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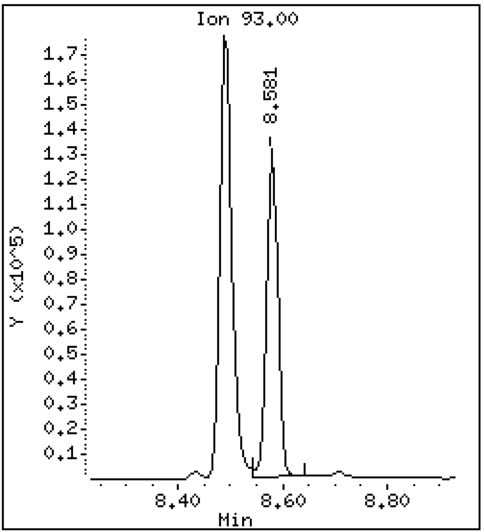
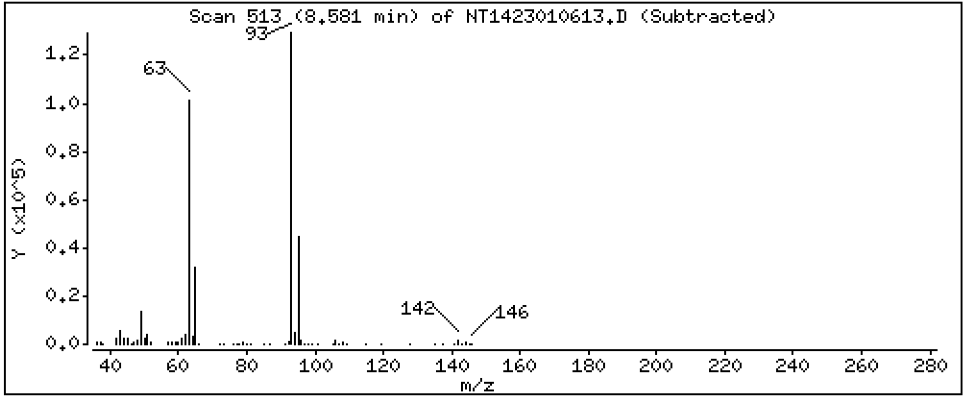

Ion 93.00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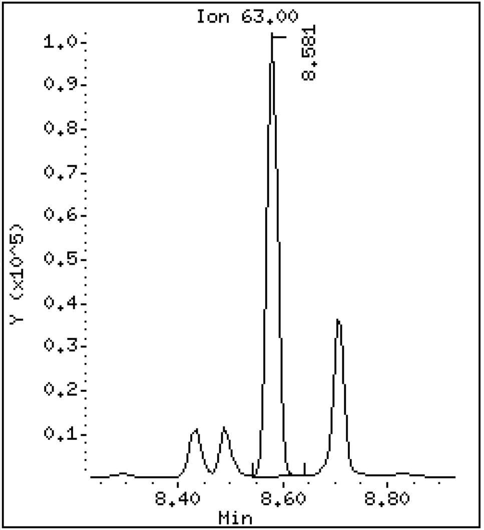
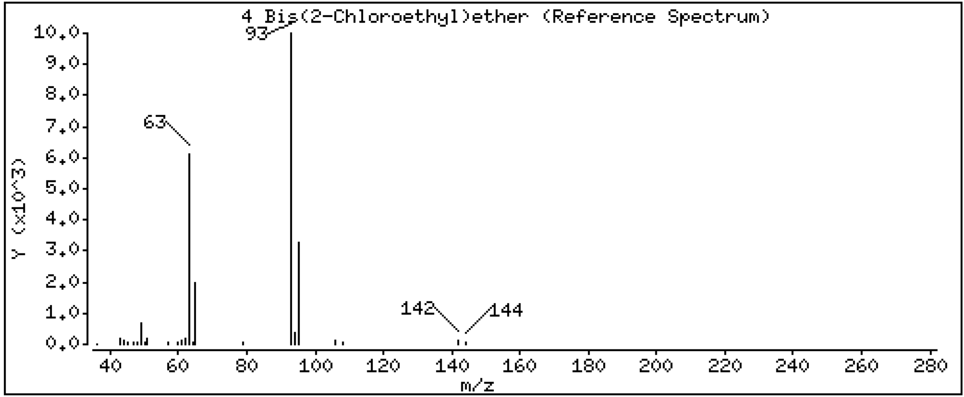
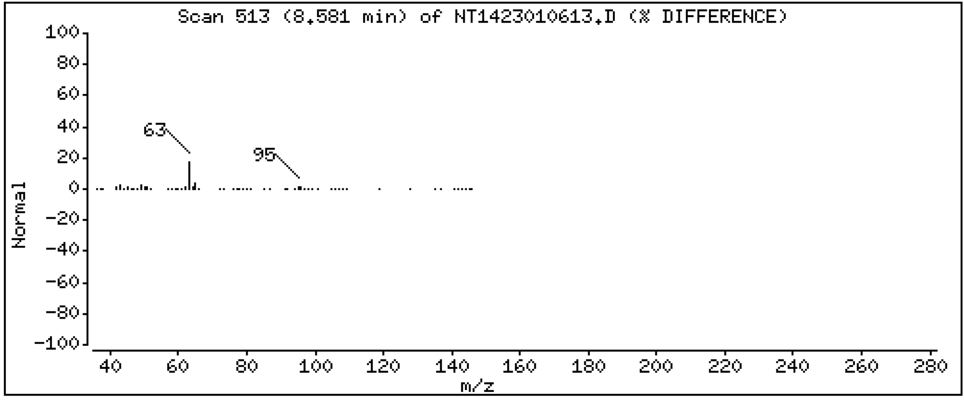
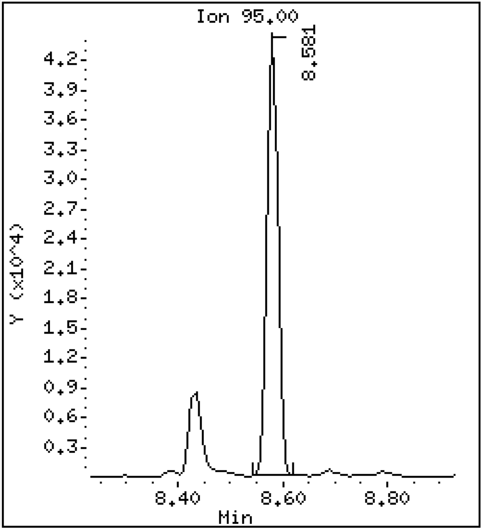

Ion 63.00


4 Bis(2-Chloroethyl)ether (Reference Spectrum)


Scan 513 (8.581 min) of NT1423010613.D (% DIFFERENCE)


Ion 95.00

Data File: \\target\share\chem3\nt14.i\20230106.b\NT1423010613.D

Date : 06-JAN-2023 18:50

Client ID:

Instrument: nt14.i

Sample Info: BKL0585-BSD1

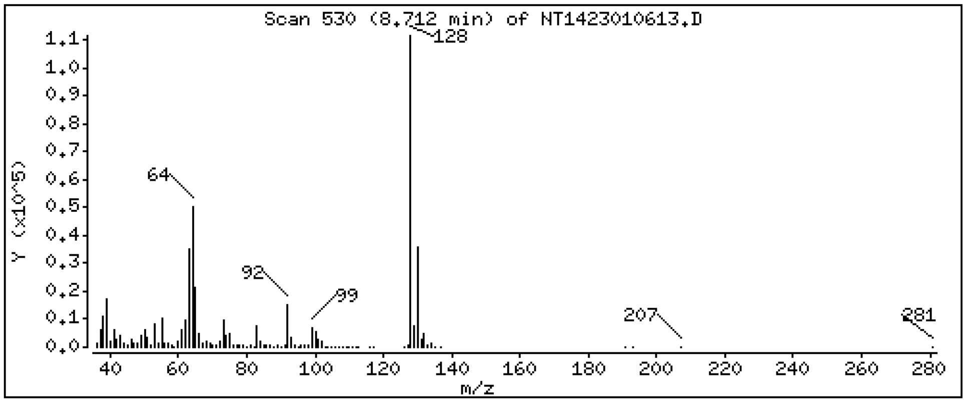
Operator: VTS

Column phase: ZB-5msi

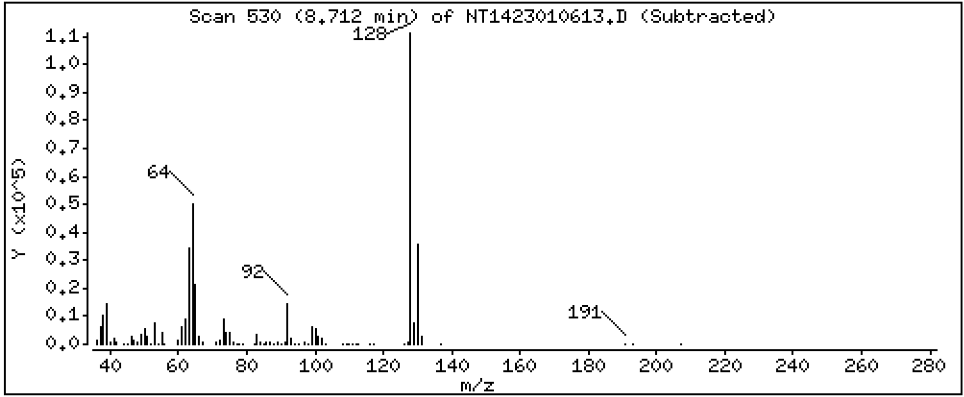
Column diameter: 0.25

6 2-Chlorophenol

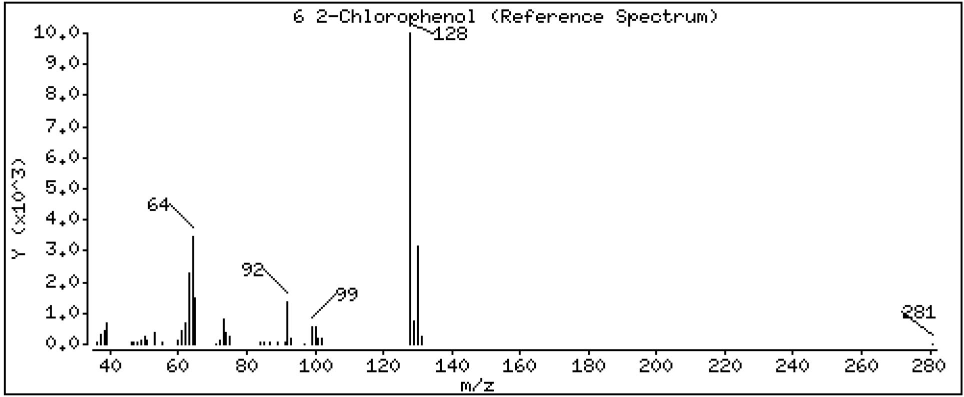
Concentration: 3.611 ug/mL



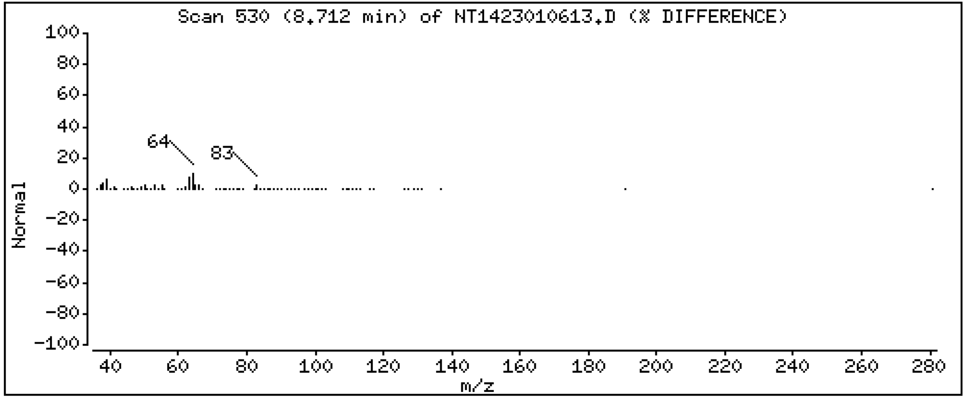
Scan 530 (8.712 min) of NT1423010613.D



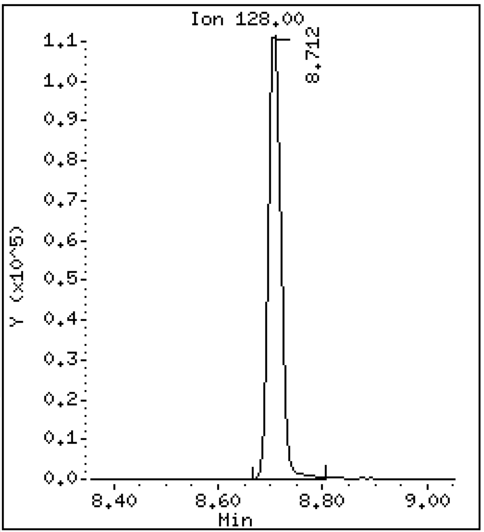
Scan 530 (8.712 min) of NT1423010613.D (Subtracted)



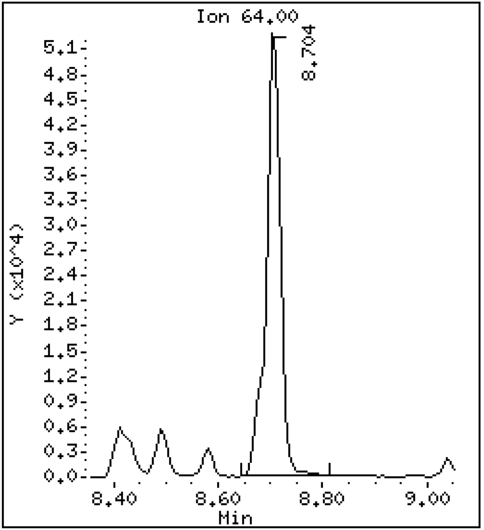
6 2-Chlorophenol (Reference Spectrum)



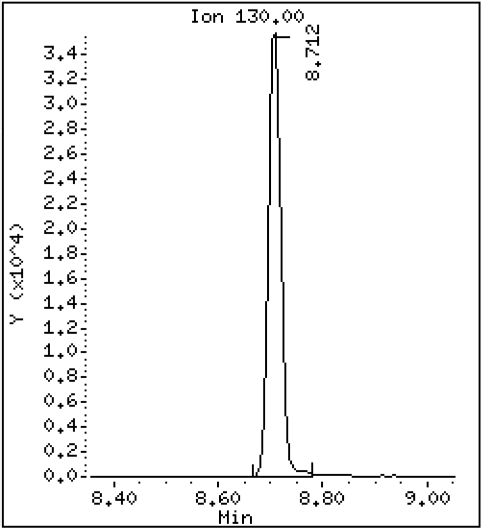
Scan 530 (8.712 min) of NT1423010613.D (% DIFFERENCE)



Ion 128.00



Ion 64.00



Ion 130.00

Data File: \\target\share\chem3\nt14.i\20230106.b\NT1423010613.D

Date : 06-JAN-2023 18:50

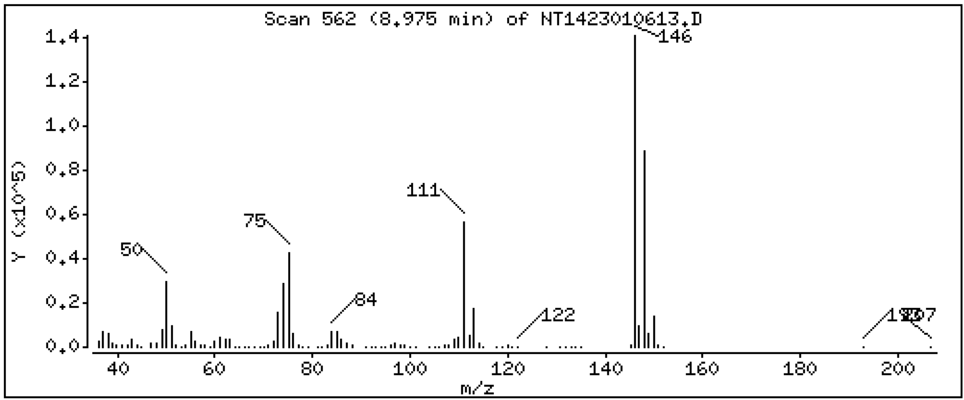
Client ID: Instrument: nt14.i

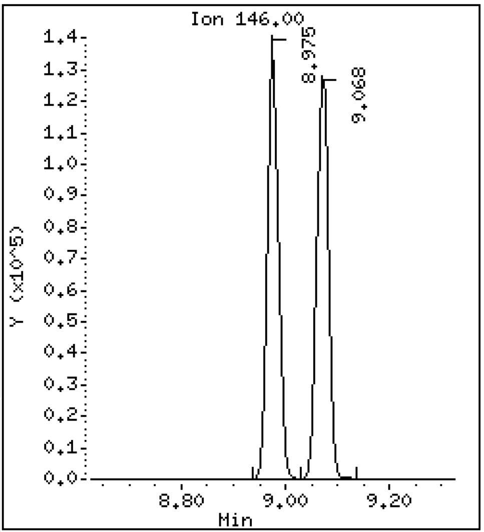
Sample Info: BKL0585-BSD1

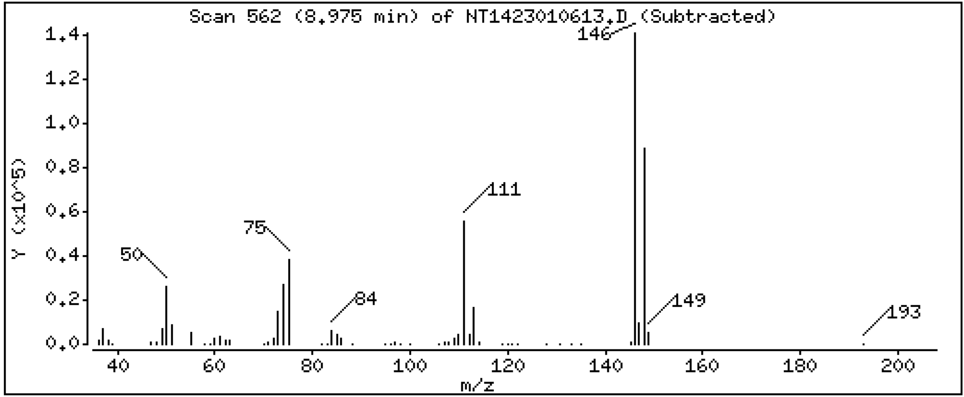
Operator: VTS

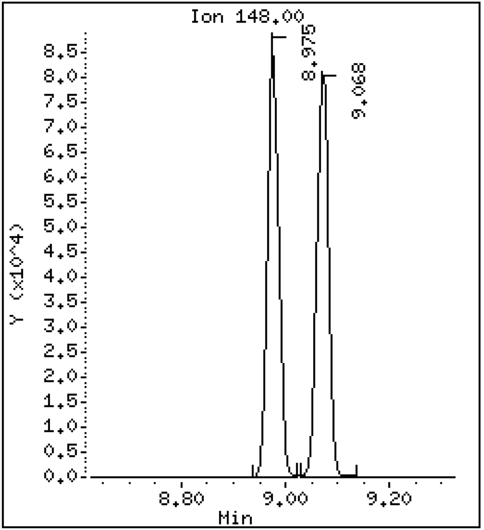
Column phase: ZB-5msi Column diameter: 0.25

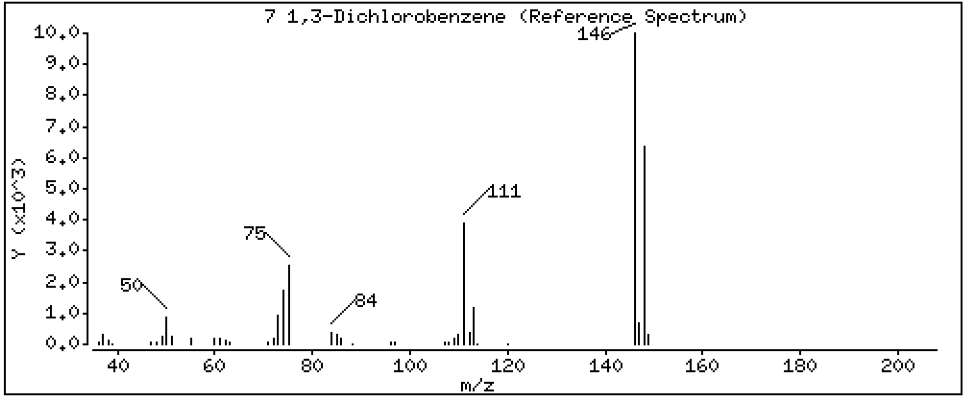
7 1,3-Dichlorobenzene Concentration: 3.749 ug/mL

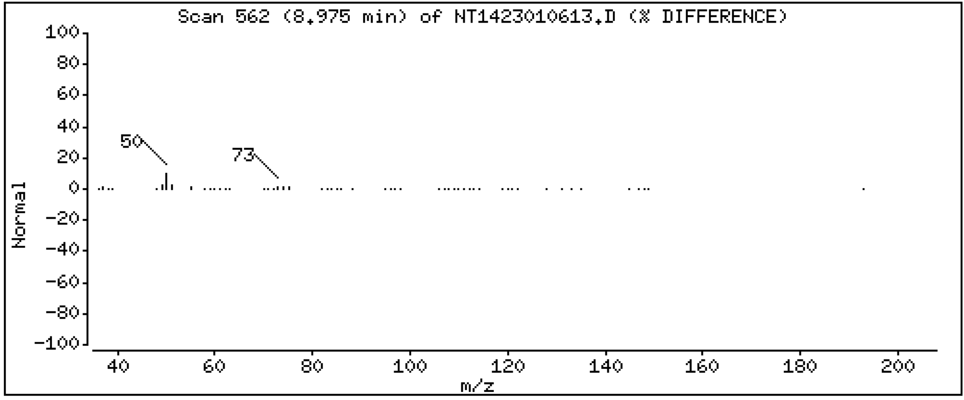


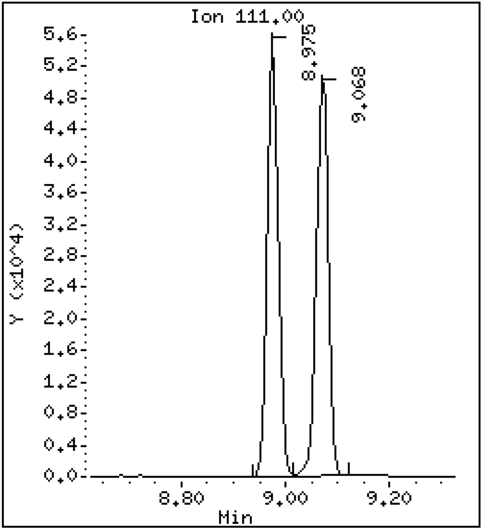












Data File: \\target\share\chem3\nt14.i\20230106.b\NT1423010613.D

Date : 06-JAN-2023 18:50

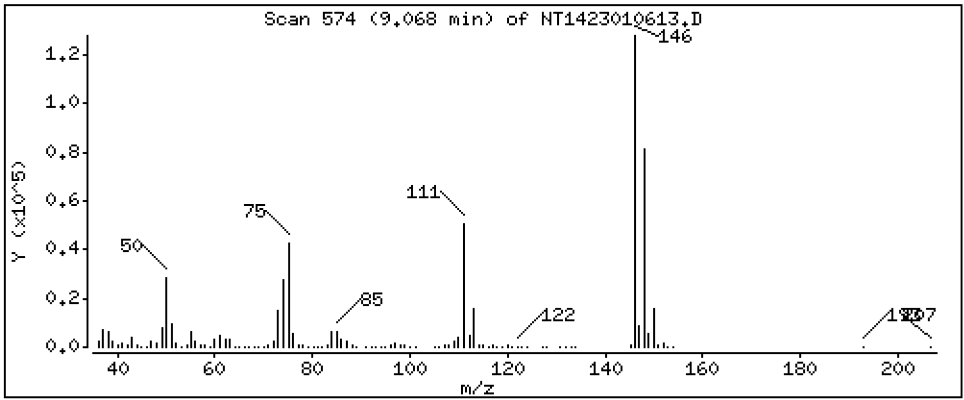
Client ID: Instrument: nt14.i

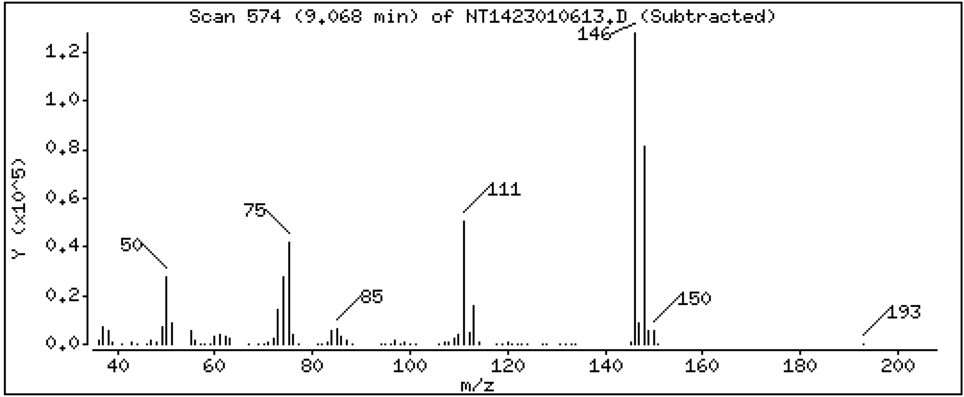
Sample Info: BKL0585-BSD1

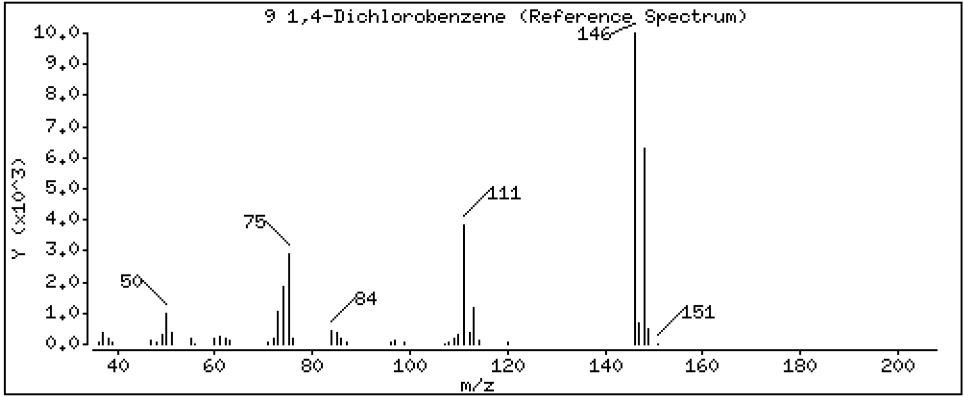
Operator: VTS

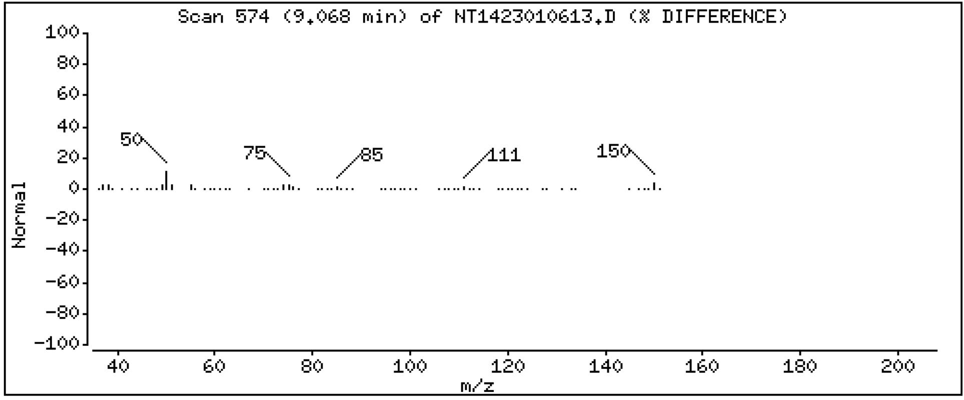
Column phase: ZB-5msi Column diameter: 0.25

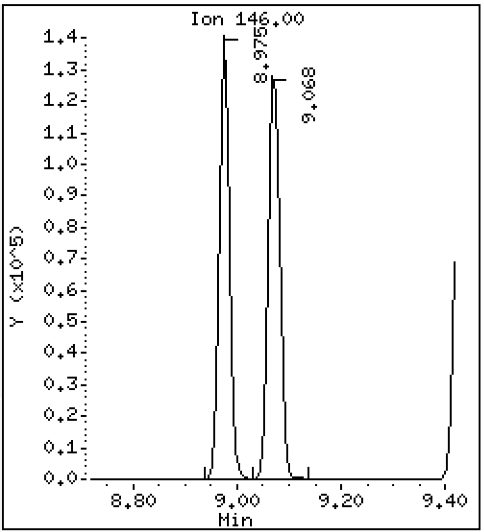
9 1,4-Dichlorobenzene Concentration: 3.852 ug/mL

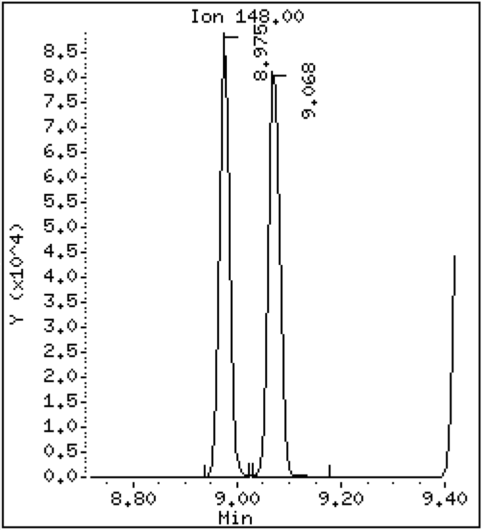


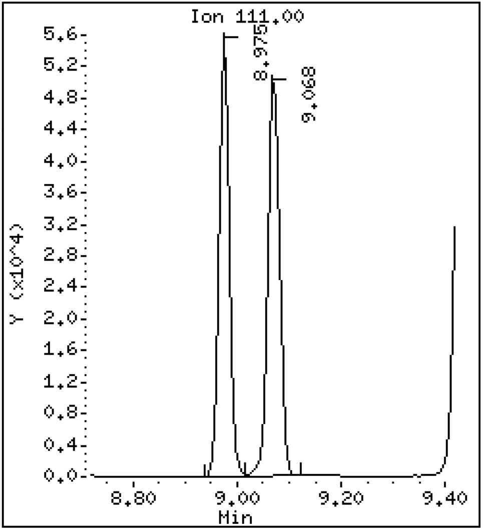












Data File: \\target\share\chem3\nt14.i\20230106.b\NT1423010613.D

Date : 06-JAN-2023 18:50

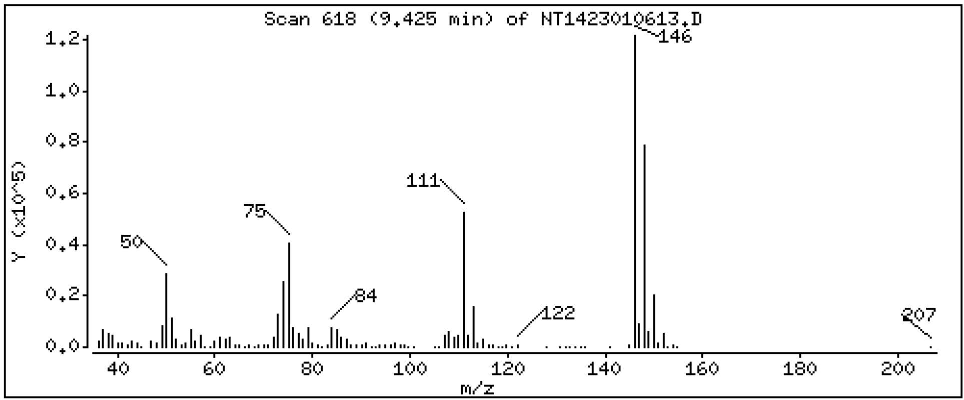
Client ID: Instrument: nt14.i

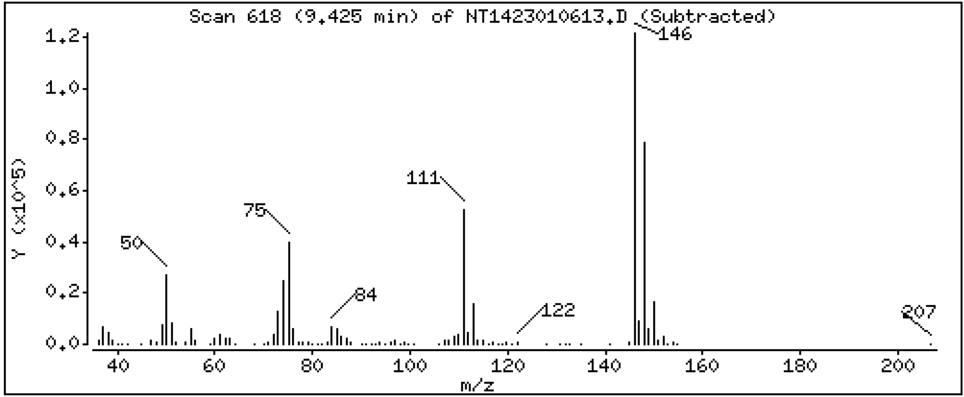
Sample Info: BKL0585-BSD1

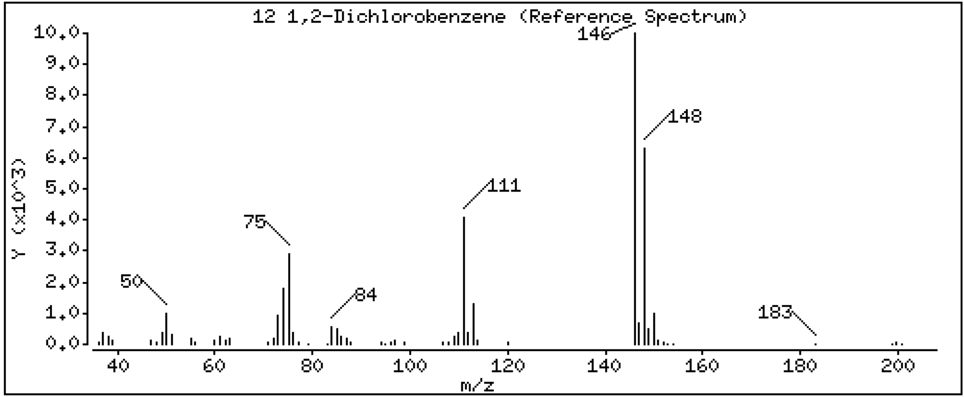
Operator: VTS

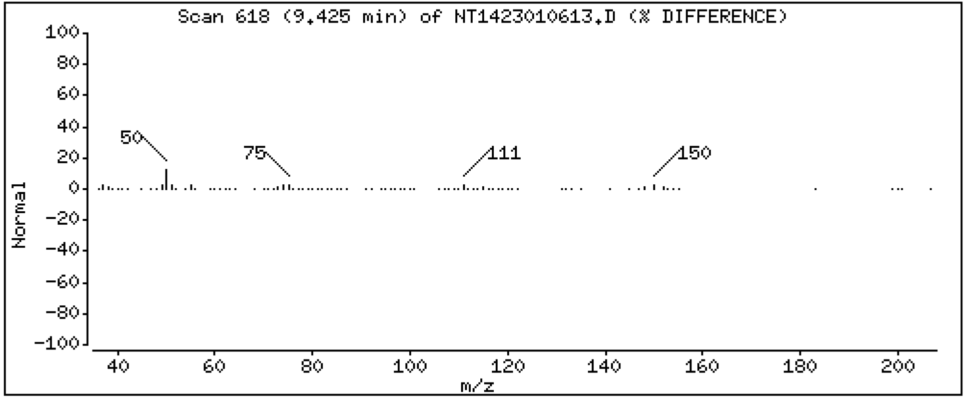
Column phase: ZB-5msi Column diameter: 0.25

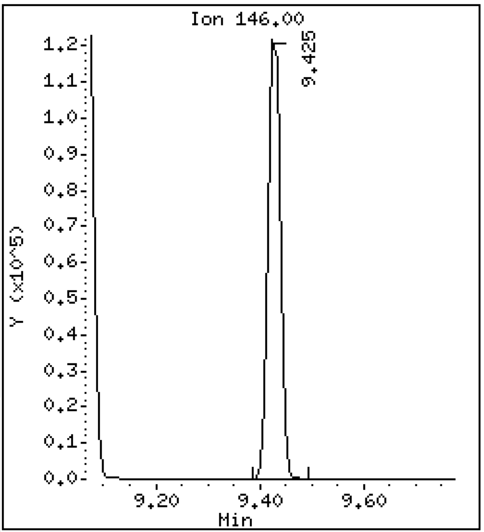
12 1,2-Dichlorobenzene Concentration: 3.883 ug/mL

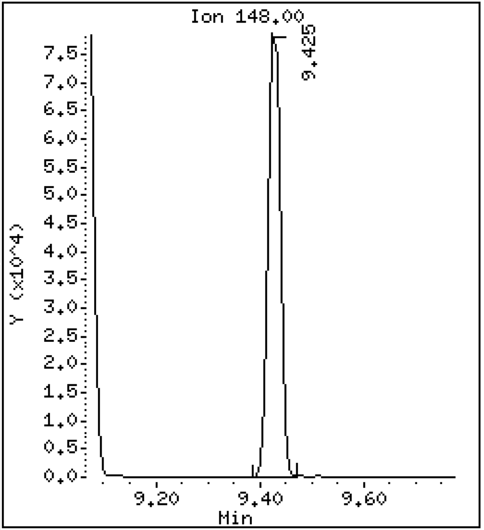

Scan 618 (9.425 min) of NT1423010613.D

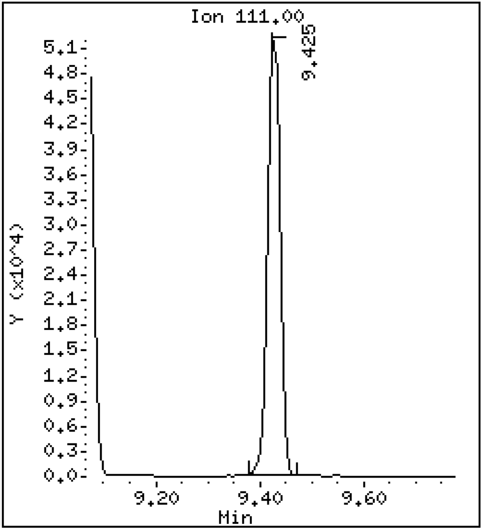

Scan 618 (9.425 min) of NT1423010613.D (Subtracted)


12 1,2-Dichlorobenzene (Reference Spectrum)


Scan 618 (9.425 min) of NT1423010613.D (% DIFFERENCE)


Ion 146.00


Ion 148.00


Ion 111.00

Data File: \\target\share\chem3\nt14.i\20230106.b\NT1423010613.D

Date : 06-JAN-2023 18:50

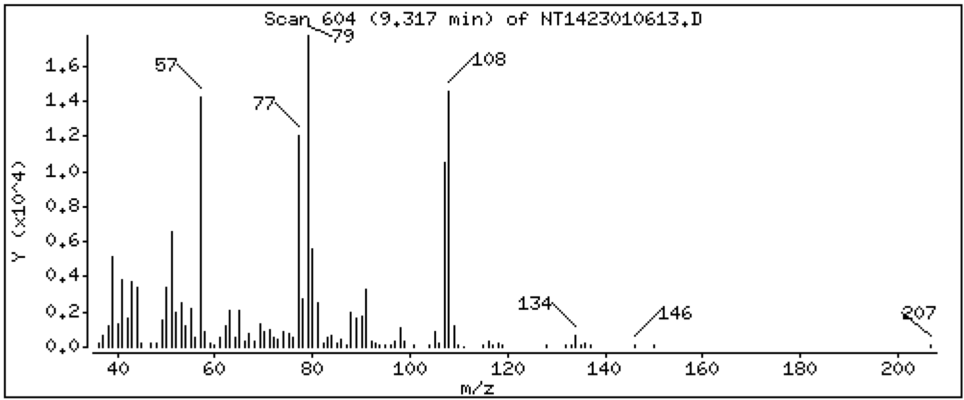
Client ID: Instrument: nt14.i

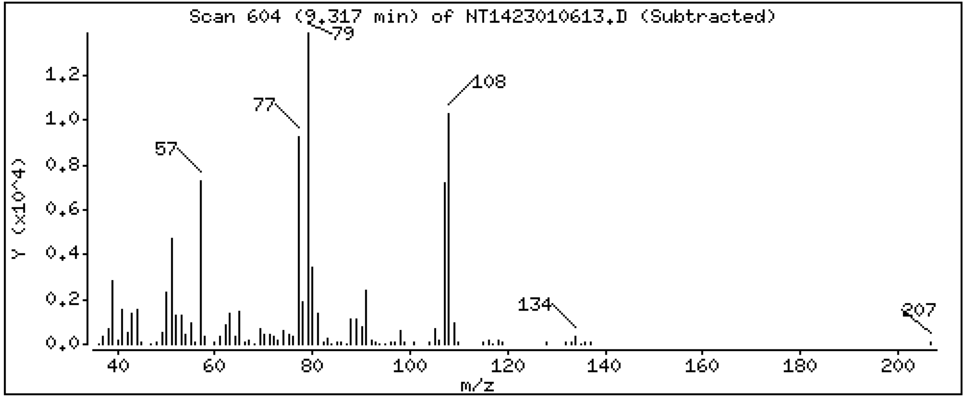
Sample Info: BKL0585-BSD1

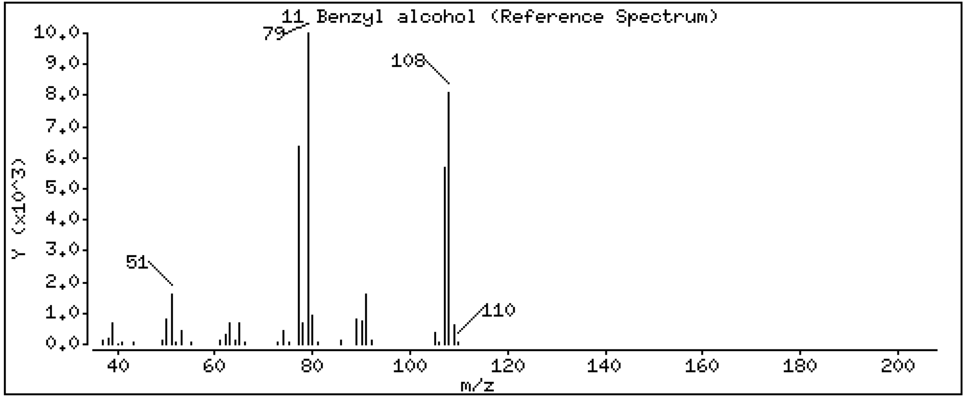
Operator: VTS

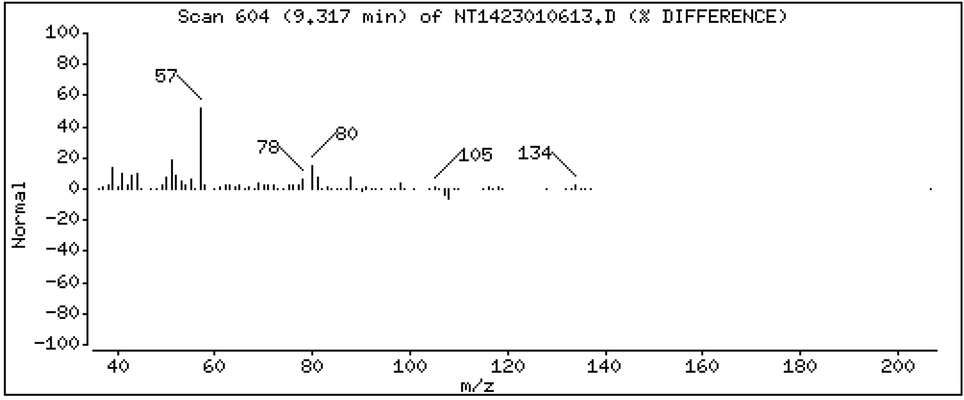
Column phase: ZB-5msi Column diameter: 0.25

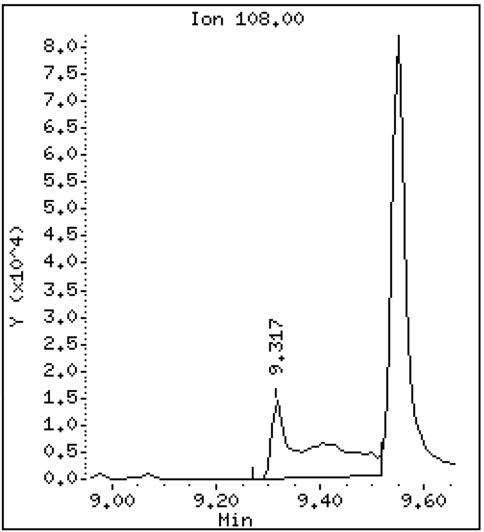
11 Benzyl alcohol Concentration: 2.785 ug/mL

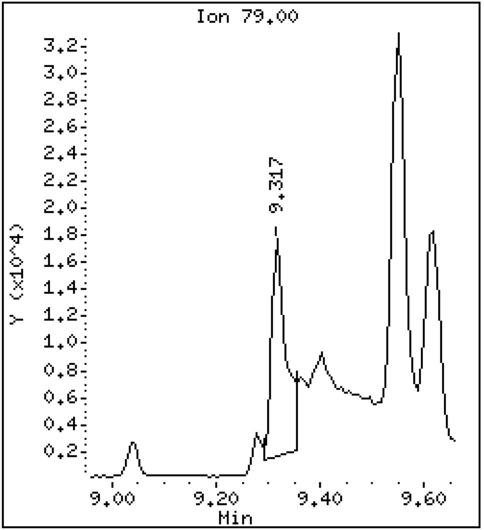


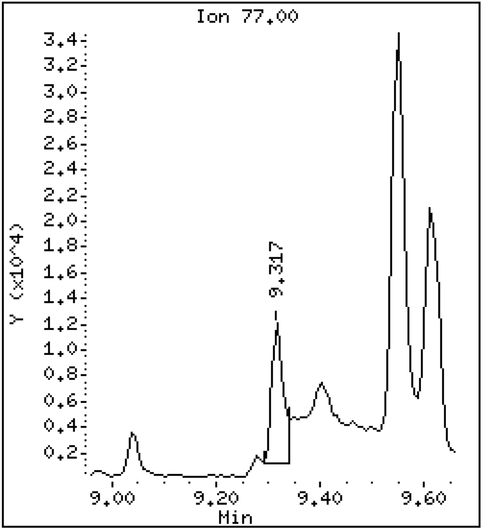












Data File: \\target\share\chem3\nt14.i\20230106.b\NT1423010613.D

Date : 06-JAN-2023 18:50

Client ID:

Instrument: nt14.i

Sample Info: BKL0585-BSD1

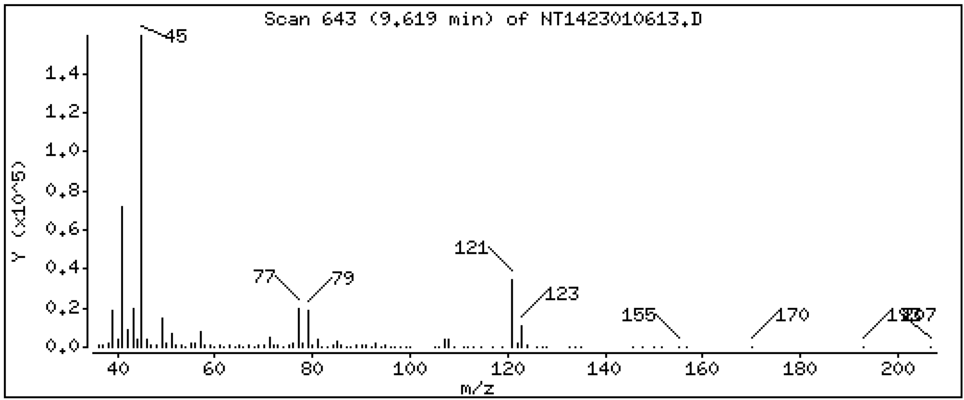
Operator: VTS

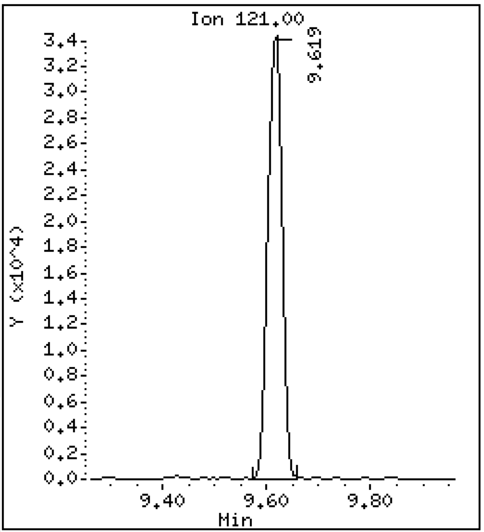
Column phase: ZB-5msi

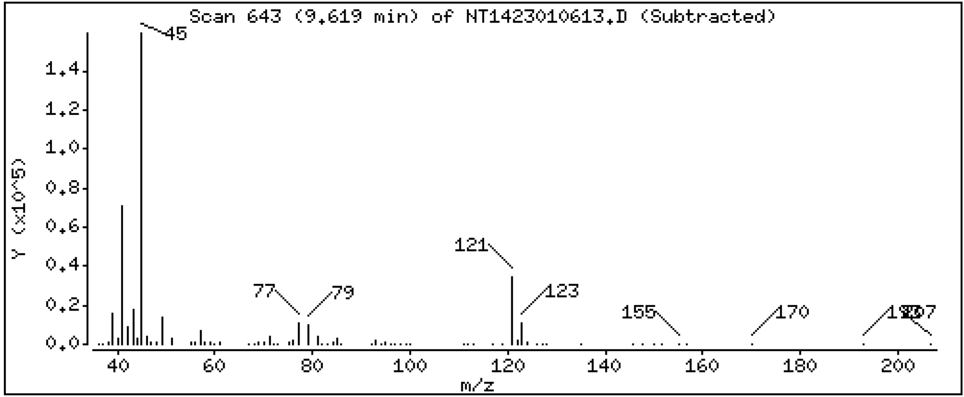
Column diameter: 0.25

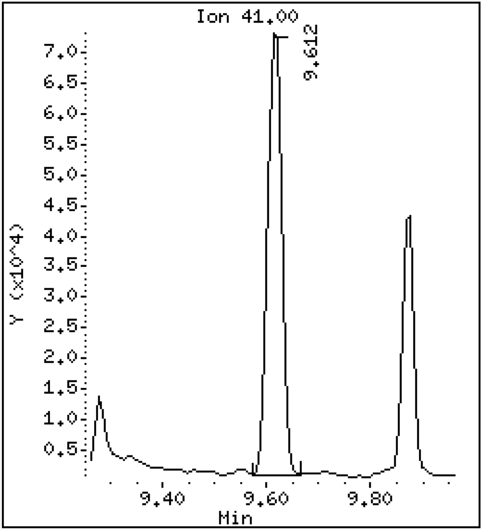
14 2,2'-oxybis(1-Chloropropane)

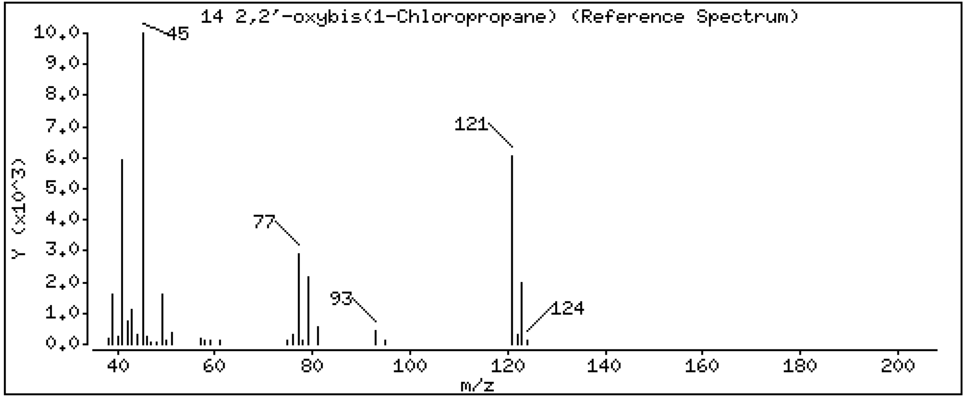
Concentration: 4.441 ug/mL

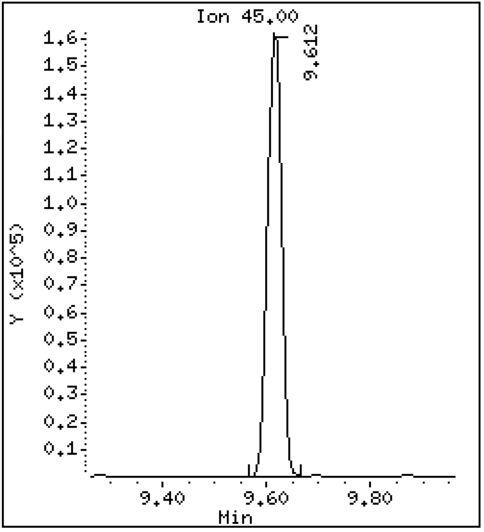

Scan 643 (9.619 min) of NT1423010613.D

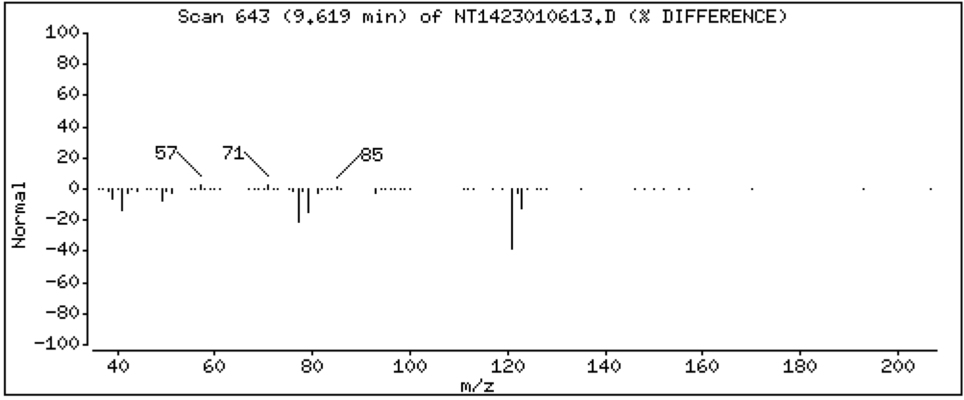

Ion 121.00


Scan 643 (9.619 min) of NT1423010613.D (Subtracted)


Ion 41.00


14 2,2'-oxybis(1-Chloropropane) (Reference Spectrum)


Ion 45.00


Scan 643 (9.619 min) of NT1423010613.D (% DIFFERENCE)

Data File: \\target\share\chem3\nt14.i\20230106.b\NT1423010613.D

Date : 06-JAN-2023 18:50

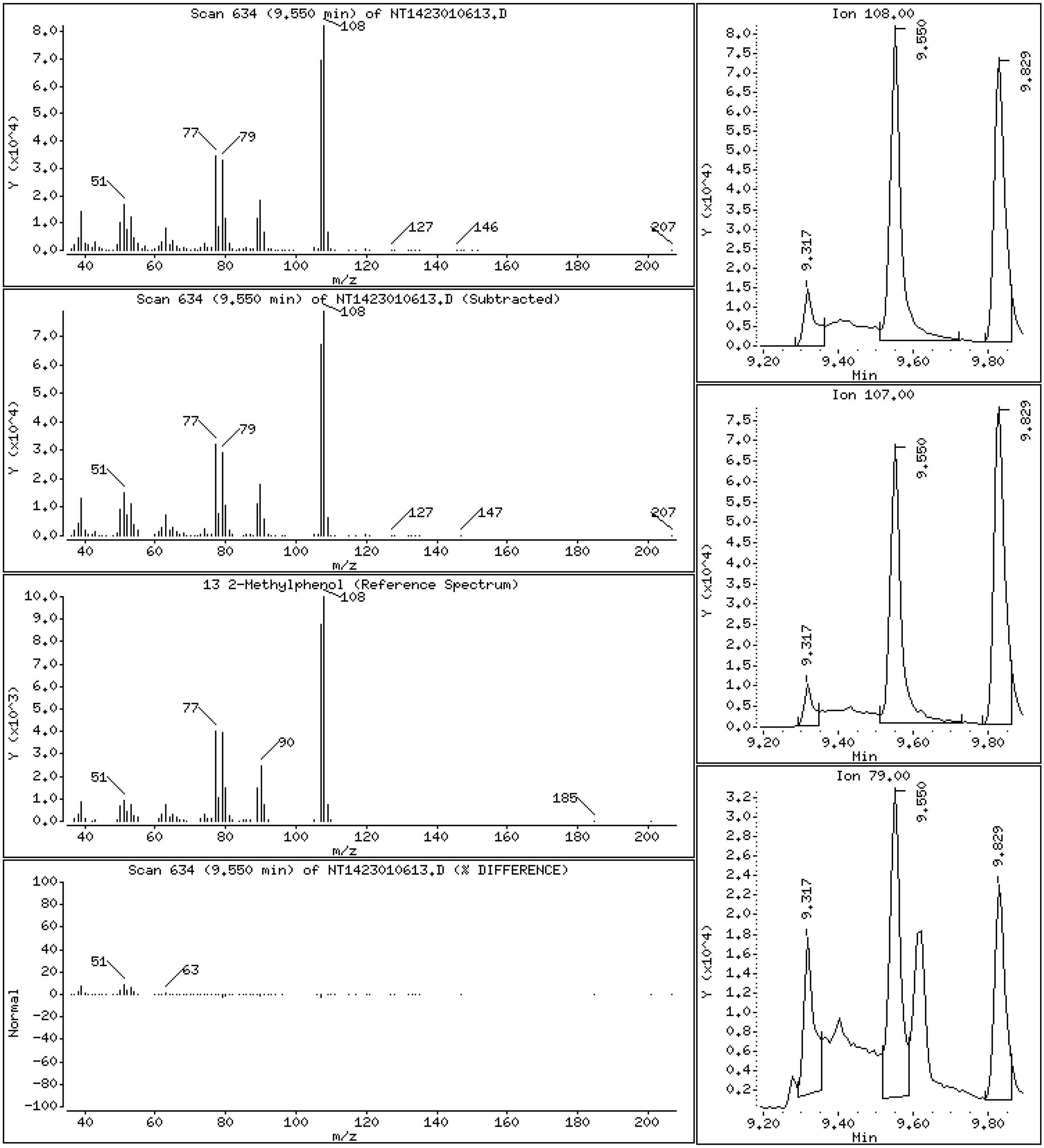
Client ID: Instrument: nt14.i

Sample Info: BKL0585-BSD1

Operator: VTS

Column phase: ZB-5msi Column diameter: 0.25

13 2-Methylphenol Concentration: 3.763 ug/mL


Scan 634 (9.550 min) of NT1423010613.D

Scan 634 (9.550 min) of NT1423010613.D (Subtracted)

13 2-Methylphenol (Reference Spectrum)

Scan 634 (9.550 min) of NT1423010613.D (% DIFFERENCE)

Ion 108.00

Ion 107.00

Ion 79.00

Data File: \\target\share\chem3\nt14.i\20230106.b\NT1423010613.D

Date : 06-JAN-2023 18:50

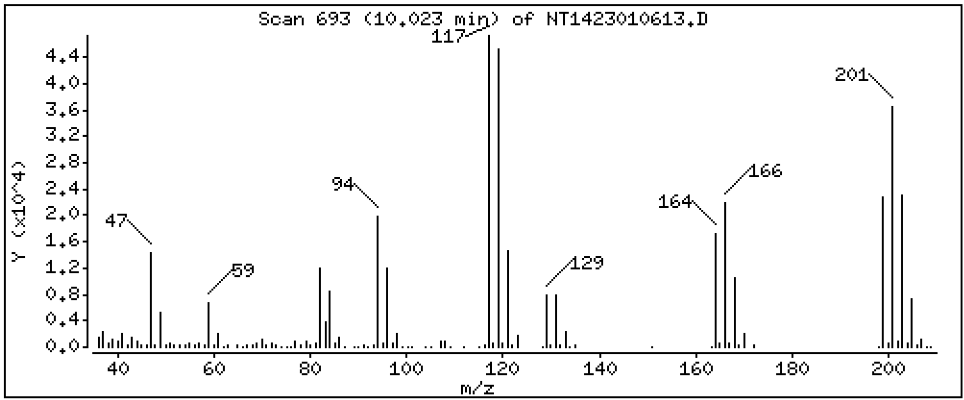
Client ID: Instrument: nt14.i

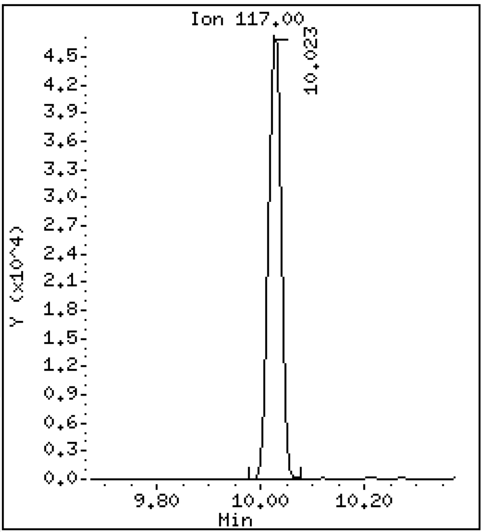
Sample Info: BKL0585-BSD1

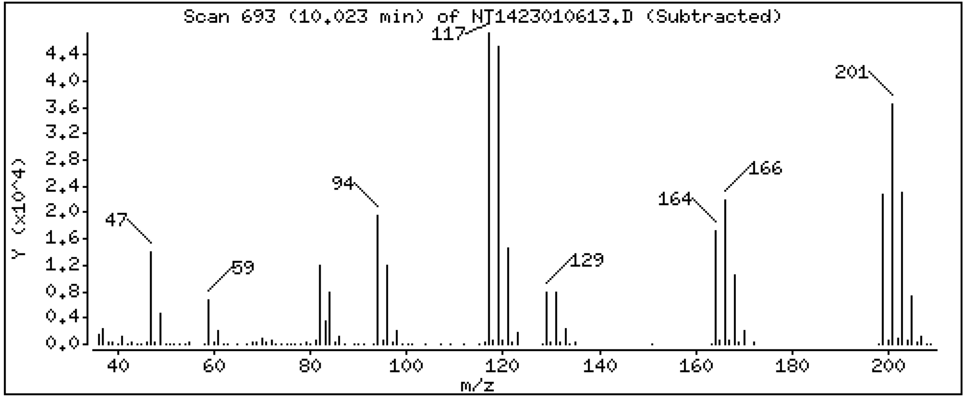
Operator: VTS

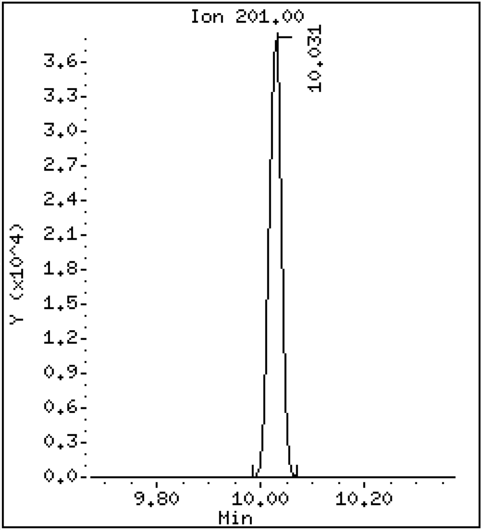
Column phase: ZB-5msi Column diameter: 0.25

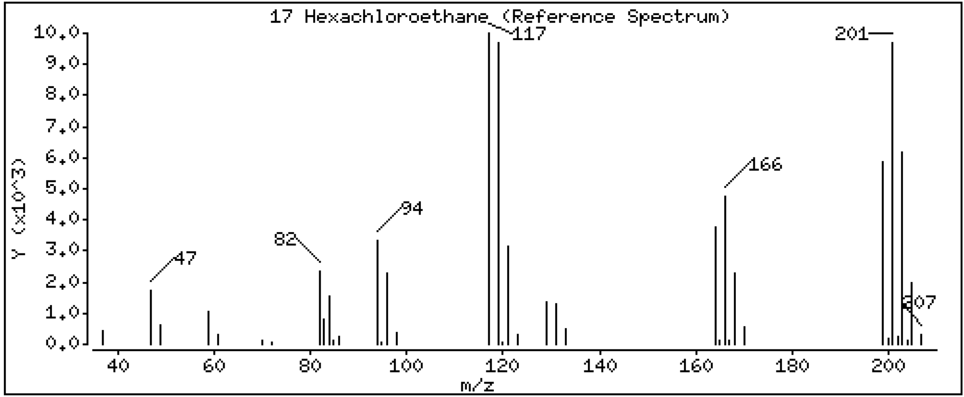
17 Hexachloroethane Concentration: 4.211 ug/mL

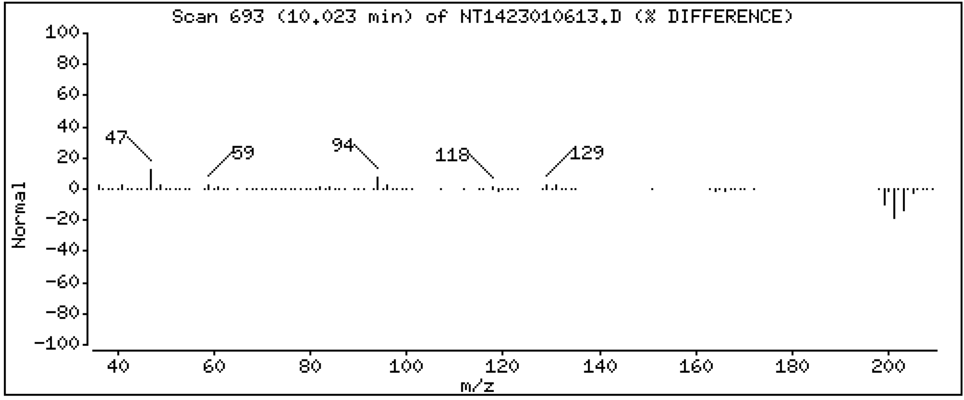

Scan 693 (10.023 min) of NT1423010613.D

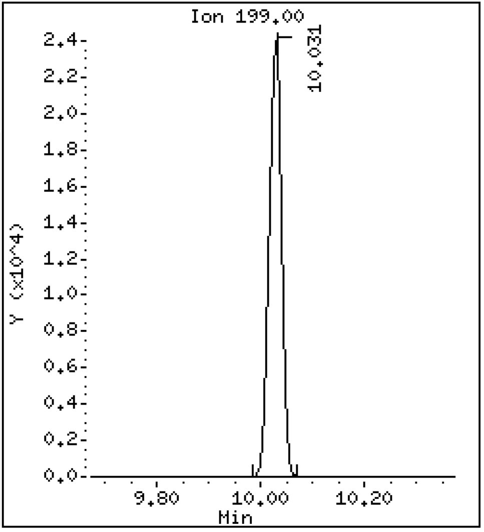

Ion 117.00


Scan 693 (10.023 min) of NT1423010613.D (Subtracted)


Ion 201.00


17 Hexachloroethane (Reference Spectrum)


Scan 693 (10.023 min) of NT1423010613.D (% DIFFERENCE)


Ion 199.00

Data File: \\target\share\chem3\nt14.i\20230106.b\NT1423010613.D

Date : 06-JAN-2023 18:50

Client ID:

Instrument: nt14.i

Sample Info: BKL0585-BSD1

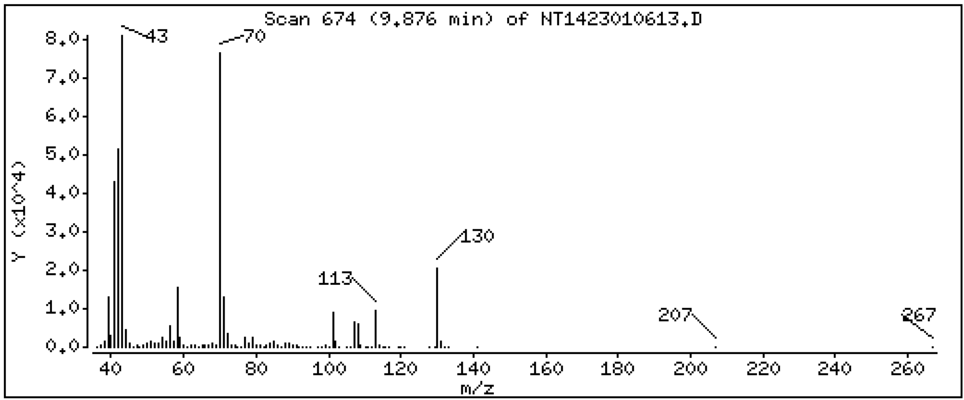
Operator: VTS

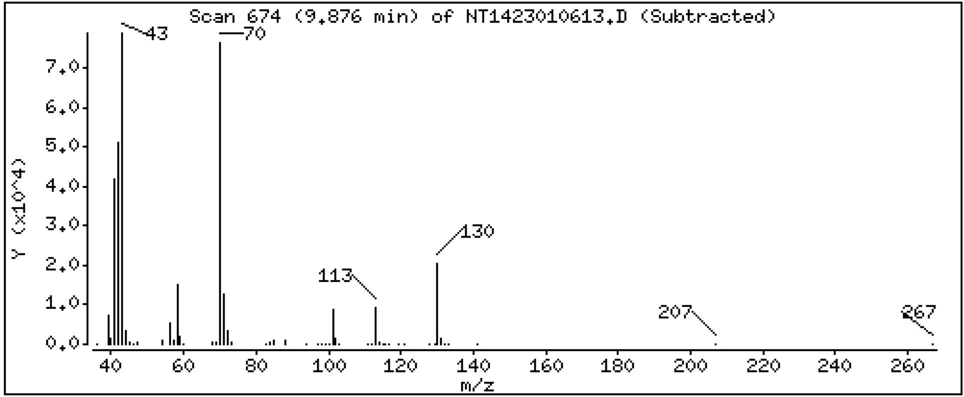
Column phase: ZB-5msi

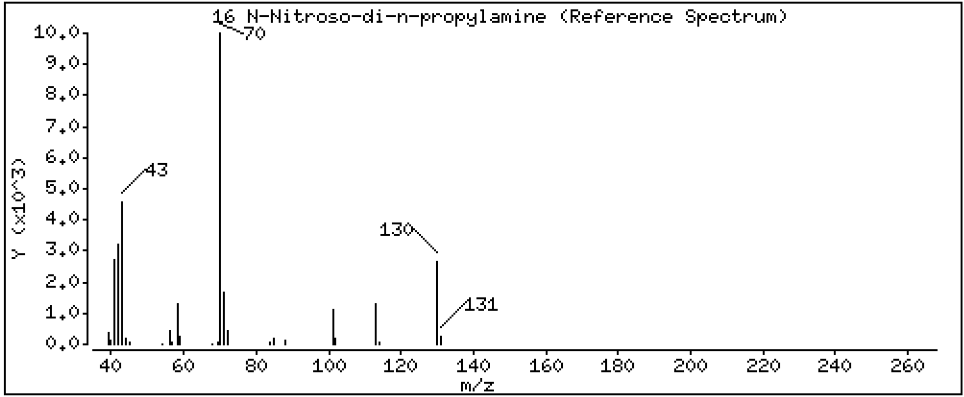
Column diameter: 0.25

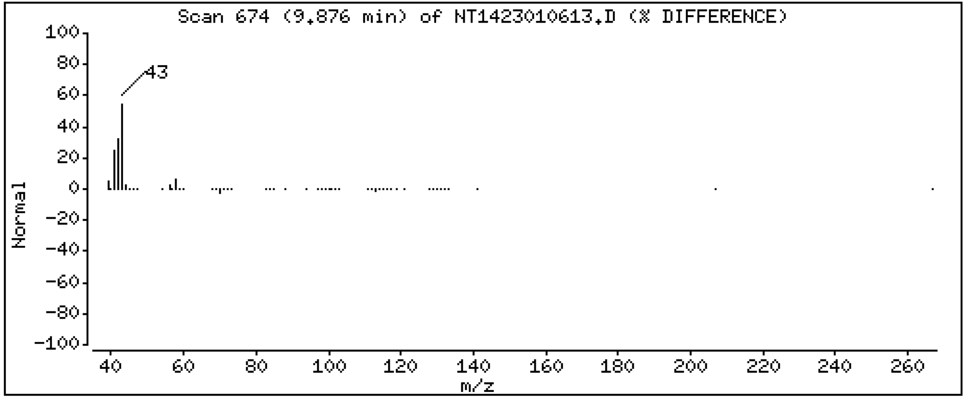
16 N-Nitroso-di-n-propylamine

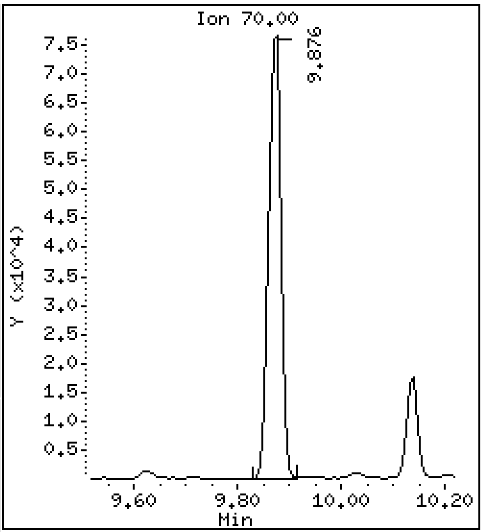
Concentration: 4.468 ug/mL

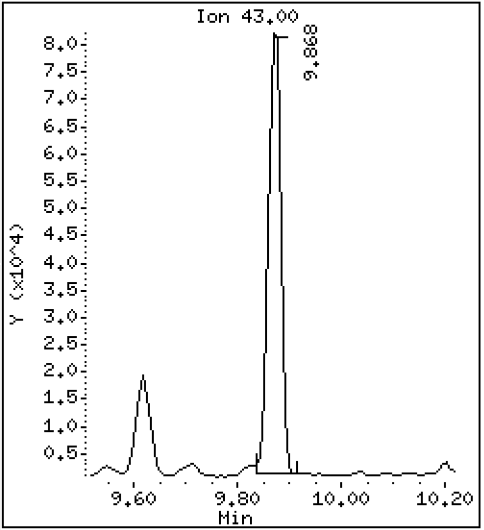

Scan 674 (9.876 min) of NT1423010613.D

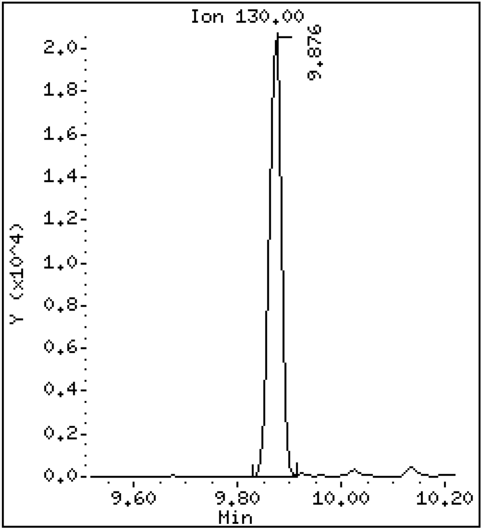

Scan 674 (9.876 min) of NT1423010613.D (Subtracted)


16 N-Nitroso-di-n-propylamine (Reference Spectrum)


Scan 674 (9.876 min) of NT1423010613.D (% DIFFERENCE)


Ion 70.00


Ion 43.00


Ion 130.00

Data File: \\target\share\chem3\nt14.i\20230106.b\NT1423010613.D

Date : 06-JAN-2023 18:50

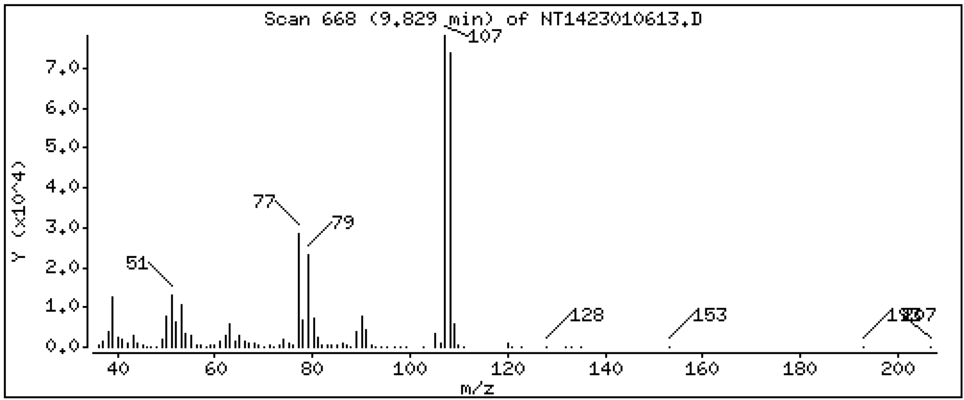
Client ID: Instrument: nt14.i

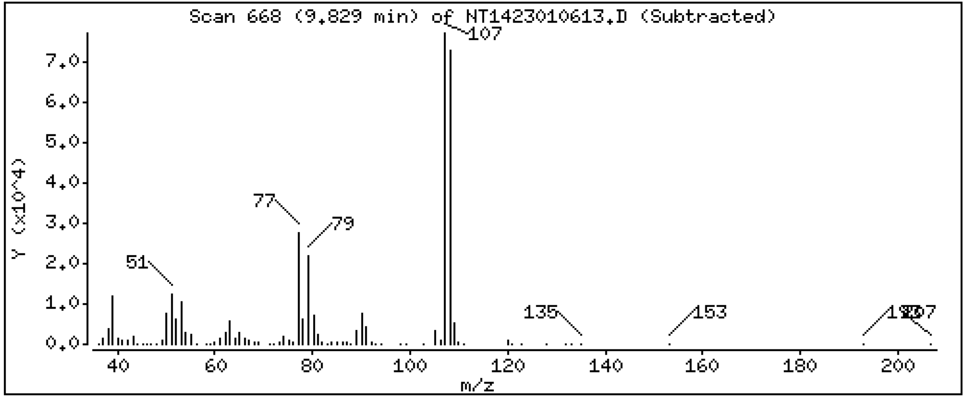
Sample Info: BKL0585-BSD1

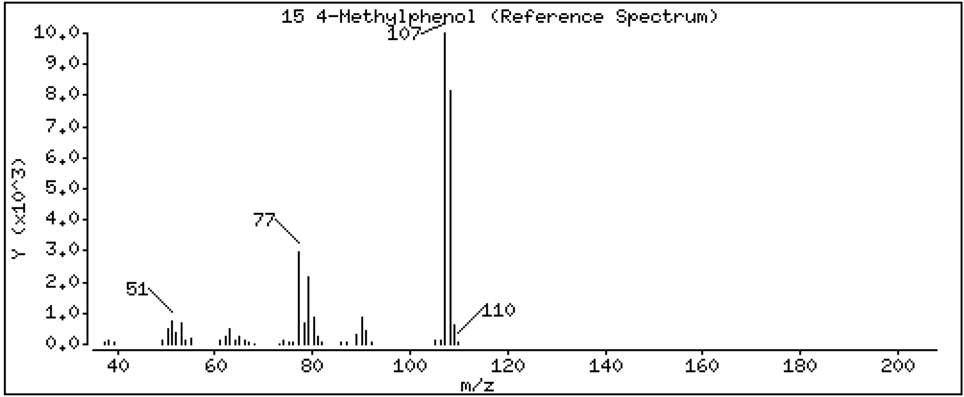
Operator: VTS

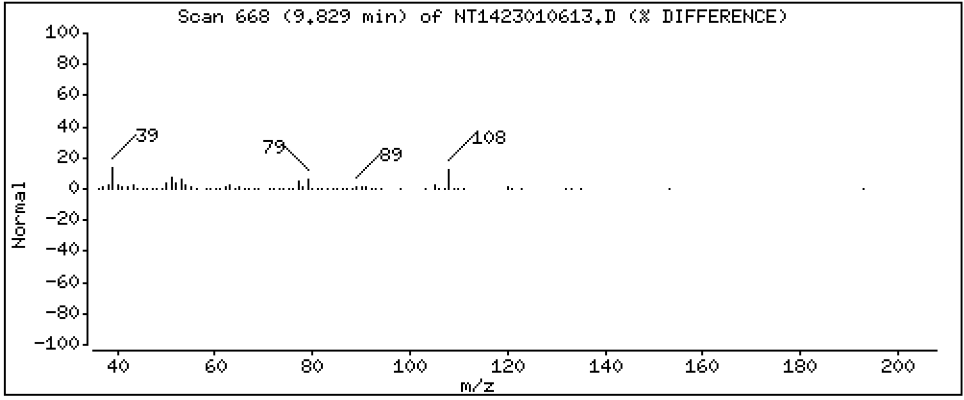
Column phase: ZB-5msi Column diameter: 0.25

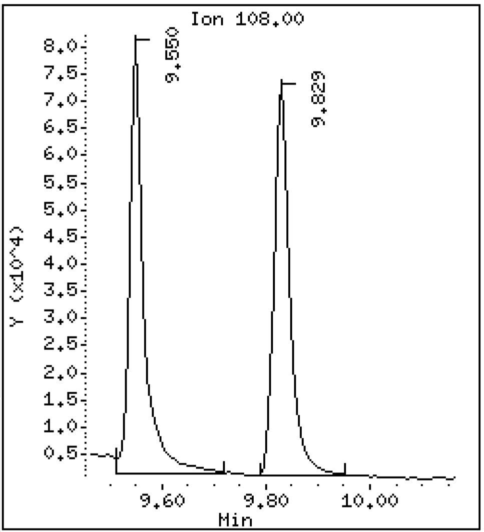
15 4-Methylphenol Concentration: 3.324 ug/mL

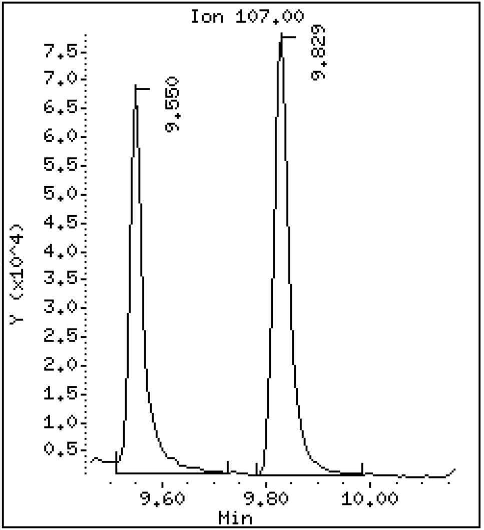


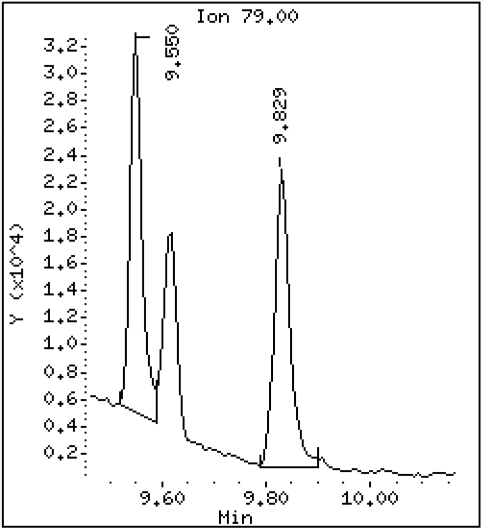












Data File: \\target\share\chem3\nt14.i\20230106.b\NT1423010613.D

Date : 06-JAN-2023 18:50

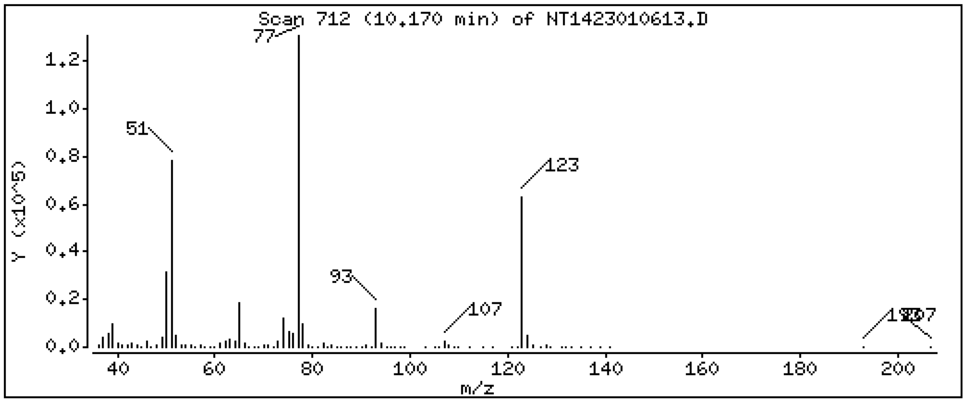
Client ID: Instrument: nt14.i

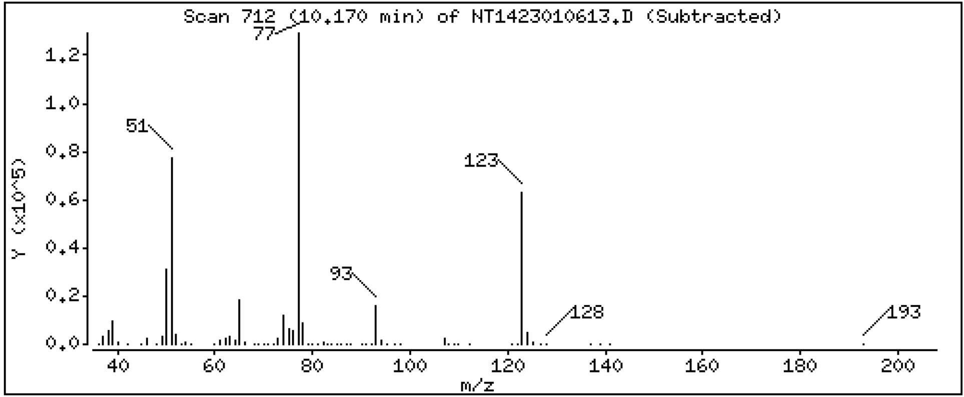
Sample Info: BKL0585-BSD1

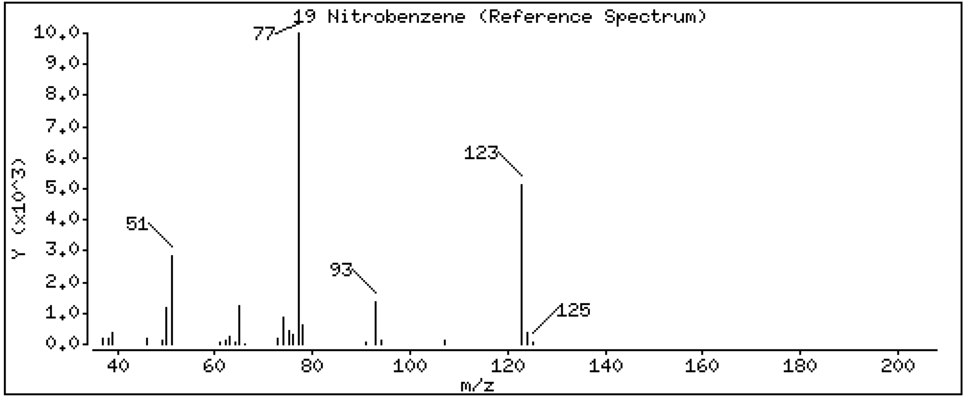
Operator: VTS

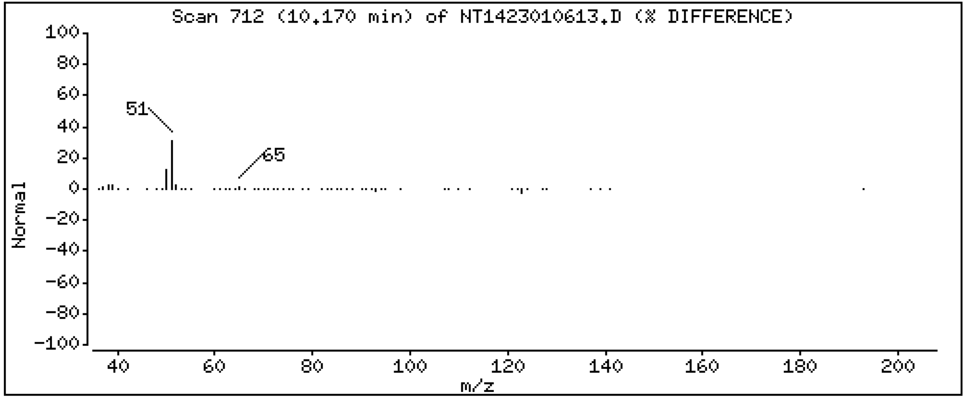
Column phase: ZB-5msi Column diameter: 0.25

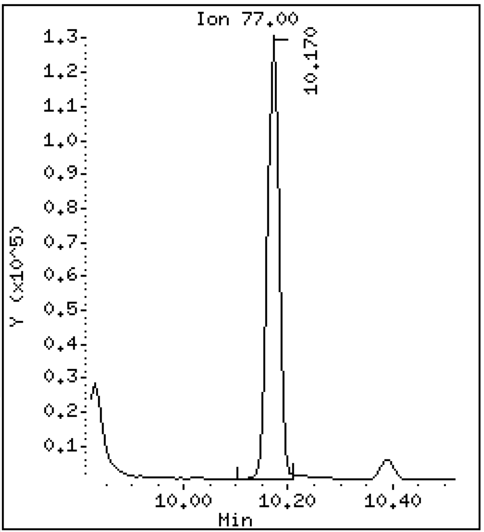
19 Nitrobenzene Concentration: 4.502 ug/mL

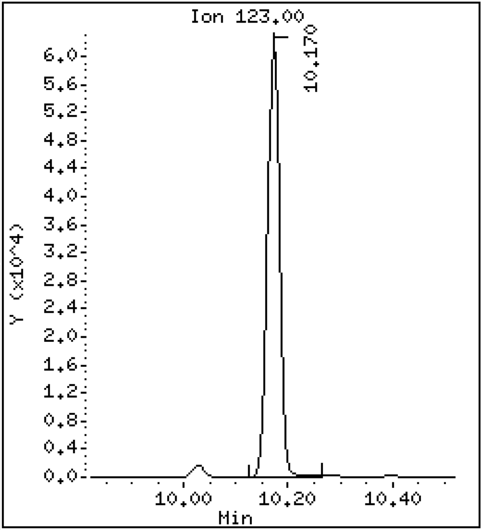

Scan 712 (10.170 min) of NT1423010613.D

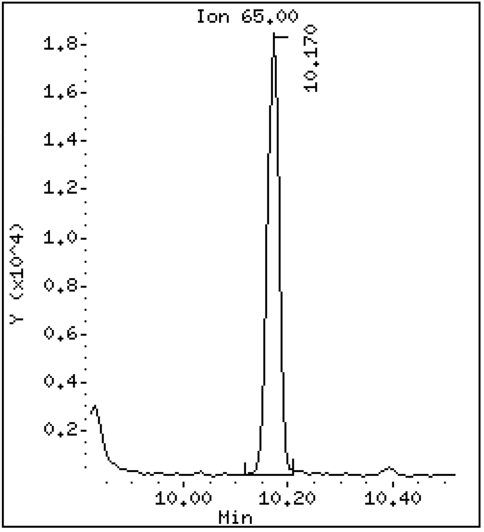

Scan 712 (10.170 min) of NT1423010613.D (Subtracted)


19 Nitrobenzene (Reference Spectrum)


Scan 712 (10.170 min) of NT1423010613.D (% DIFFERENCE)


Ion 77.00


Ion 123.00


Ion 65.00

Data File: \\target\share\chem3\nt14.i\20230106.b\NT1423010613.D

Date : 06-JAN-2023 18:50

Client ID: Instrument: nt14.i

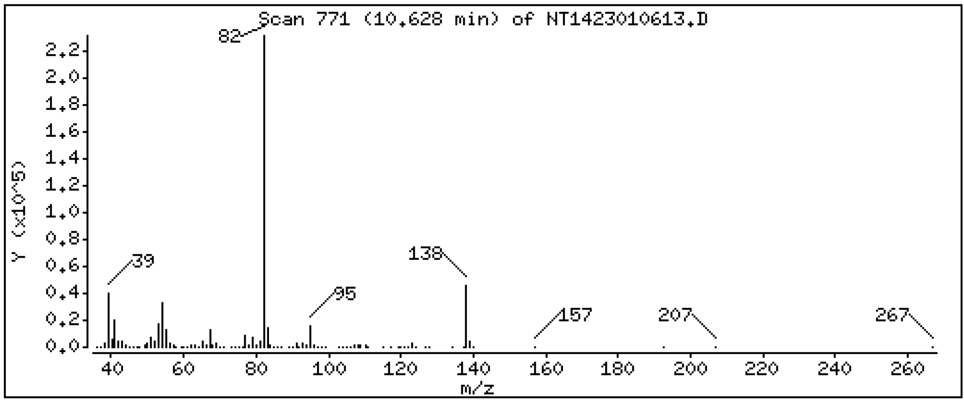
Sample Info: BKL0585-BSD1

Operator: VTS

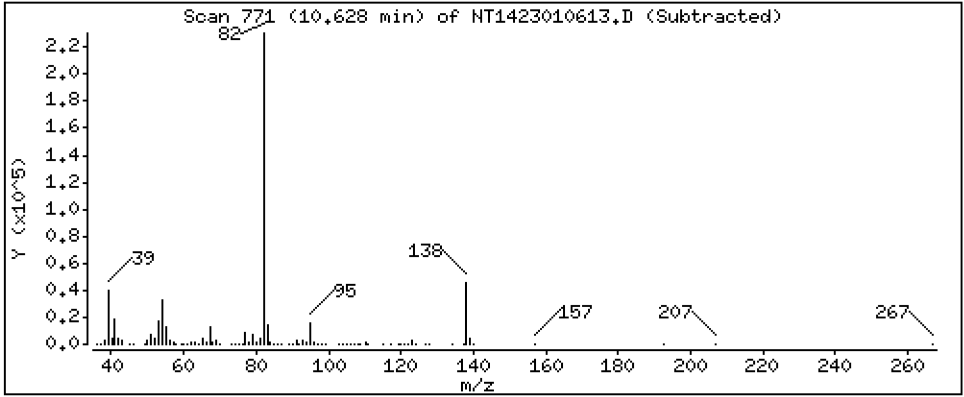
Column phase: ZB-5msi Column diameter: 0.25

20 Isophorone Concentration: 6.783 ug/mL

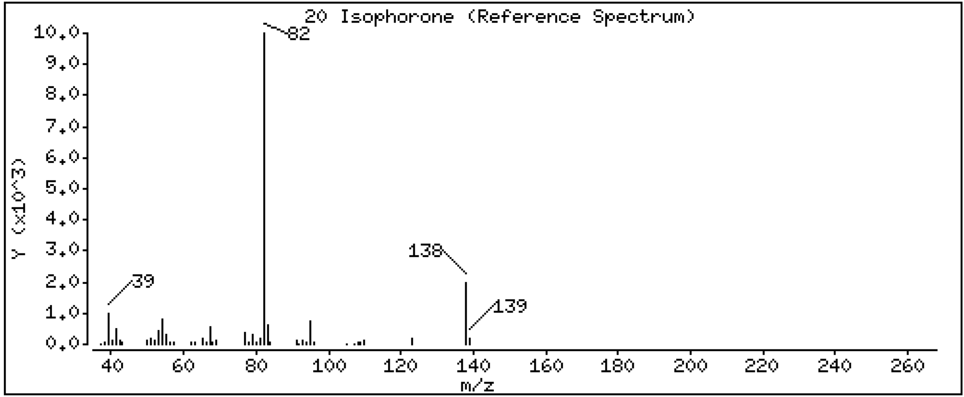
Scan 771 (10.628 min) of NT1423010613.D



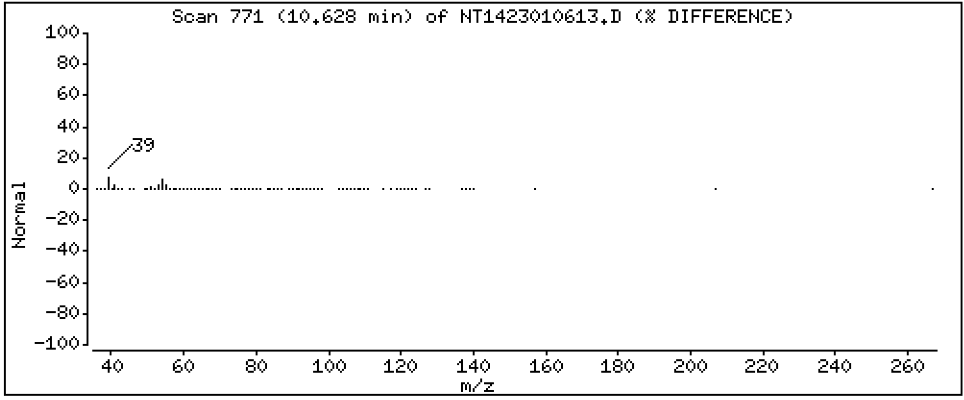
Scan 771 (10.628 min) of NT1423010613.D (Subtracted)



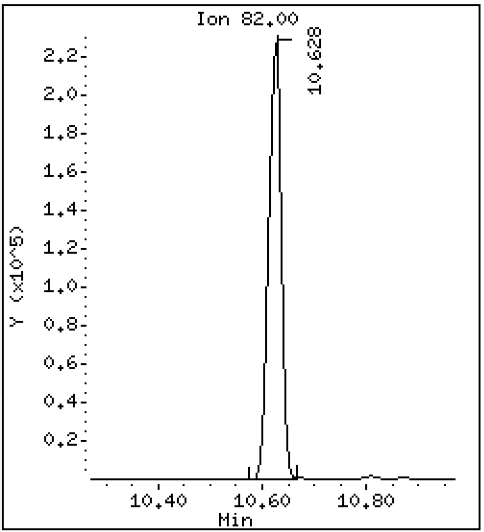
20 Isophorone (Reference Spectrum)



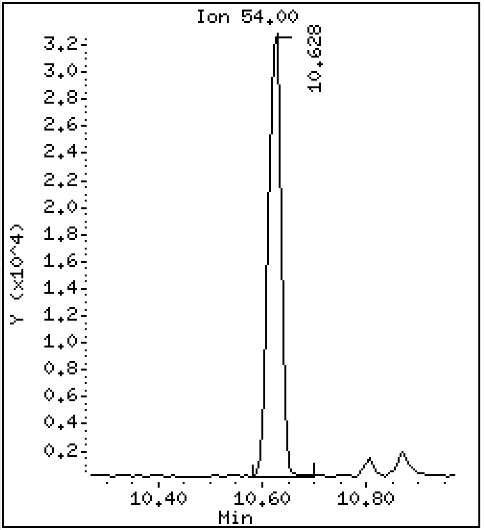
Scan 771 (10.628 min) of NT1423010613.D (% DIFFERENCE)



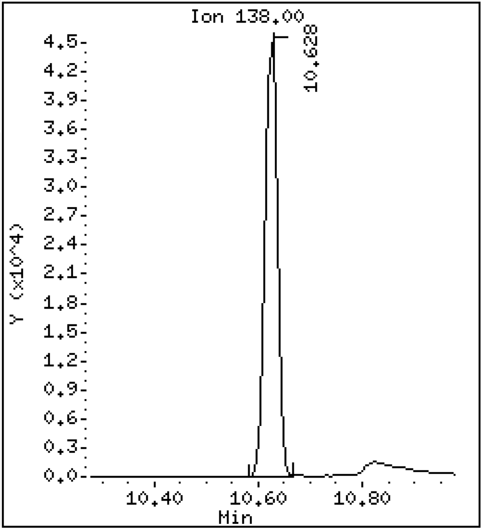
Ion 82.00



Ion 54.00



Ion 138.00



Data File: \\target\share\chem3\nt14.i\20230106.b\NT1423010613.D

Date : 06-JAN-2023 18:50

Client ID:

Instrument: nt14.i

Sample Info: BKL0585-BSD1

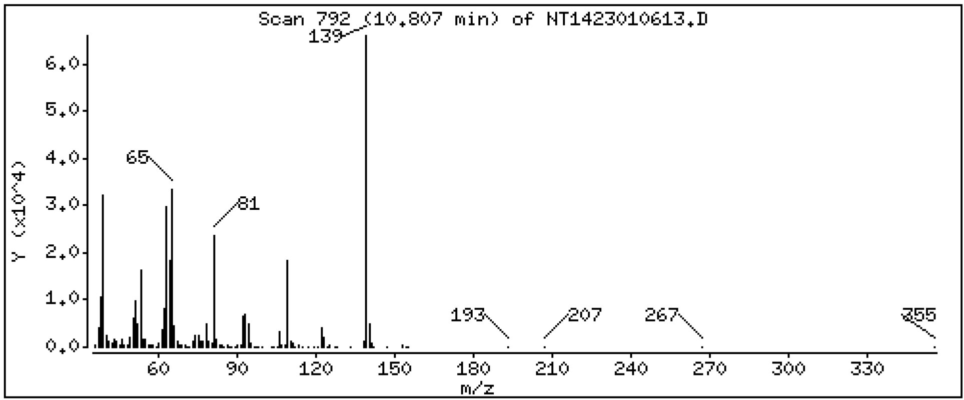
Operator: VTS

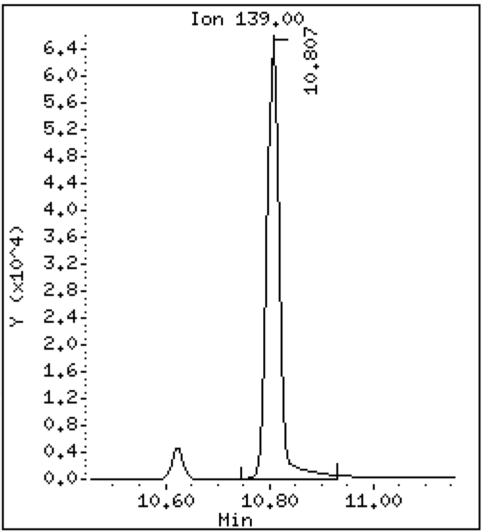
Column phase: ZB-5msi

Column diameter: 0.25

21 2-Nitrophenol

Concentration: 4.244 ug/mL


Scan 792 (10.807 min) of NT1423010613.D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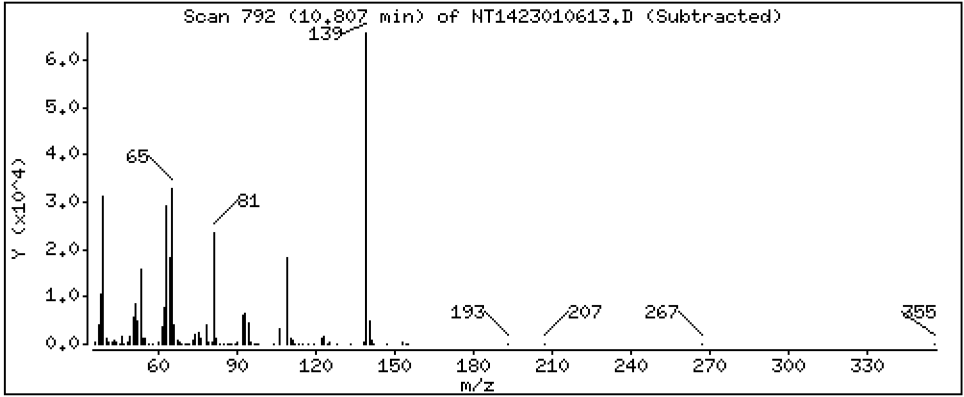
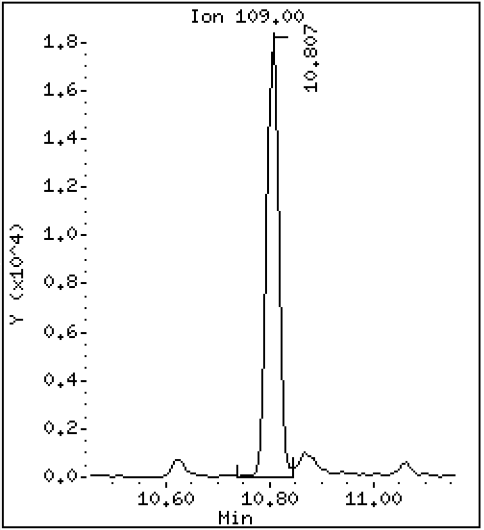
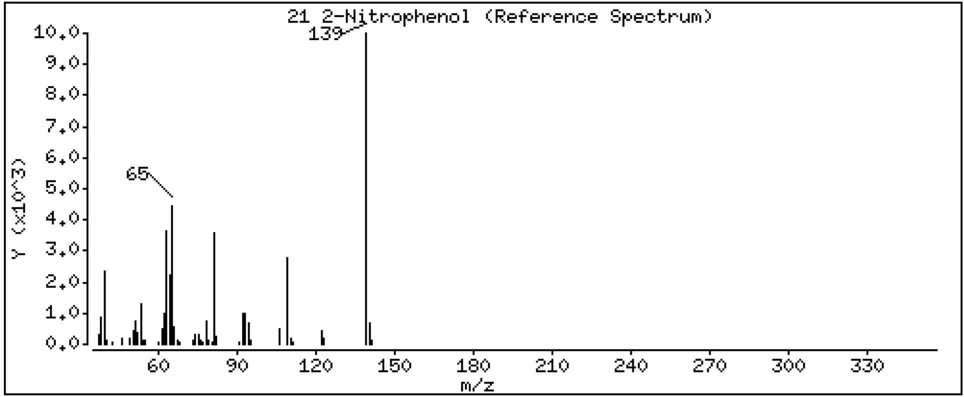
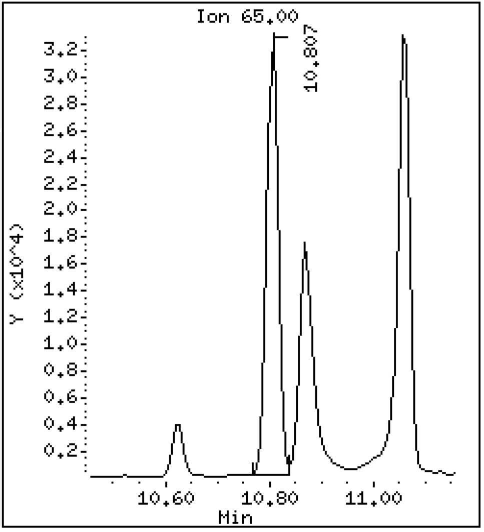

Scan 792 (10.807 min) of NT1423010613.D (Subtracted)


Ion 109.00


21 2-Nitrophenol (Reference Spectrum)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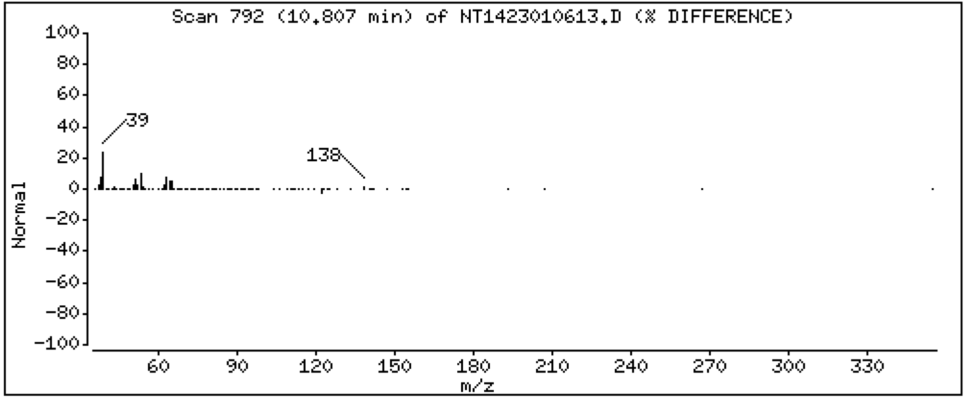

Scan 792 (10.807 min) of NT1423010613.D (% DIFFERENCE)

Date : 06-JAN-2023 18:50

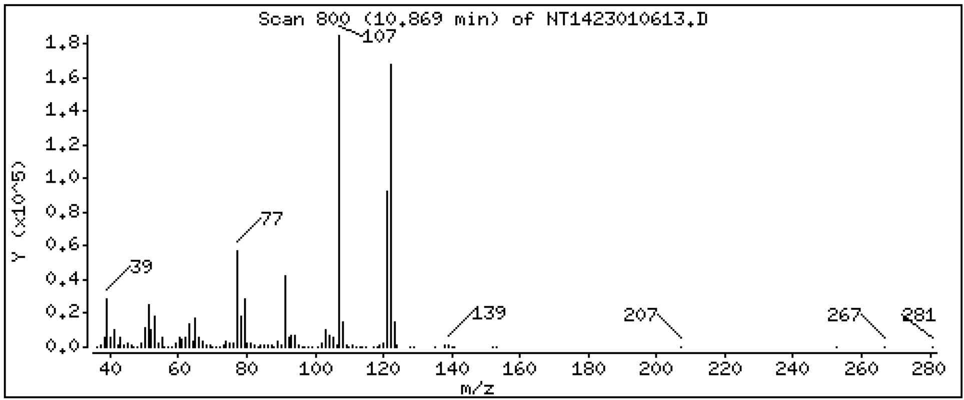
Client ID: Instrument: nt14.i

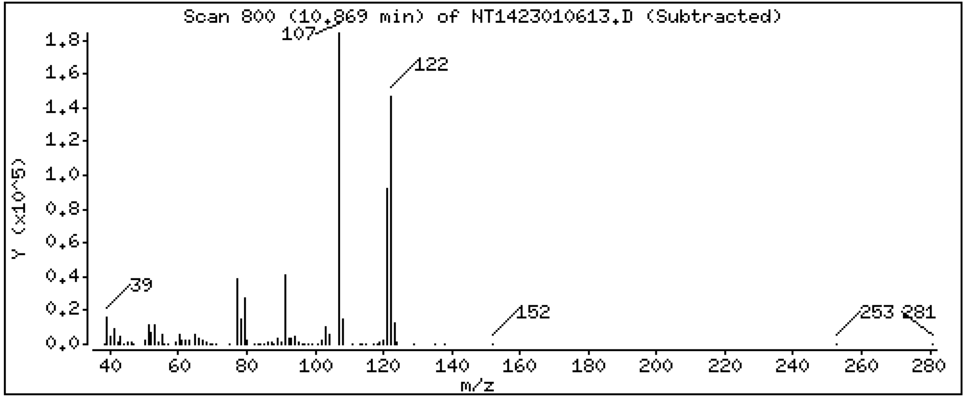
Sample Info: BKL0585-BSD1

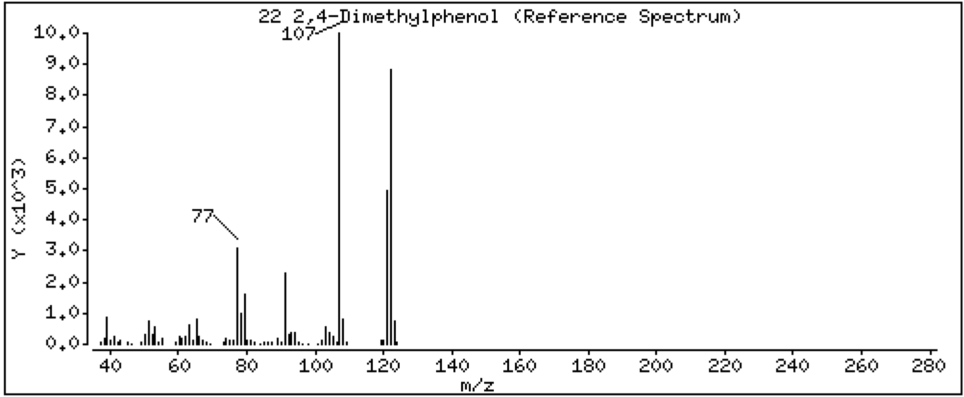
Operator: VTS

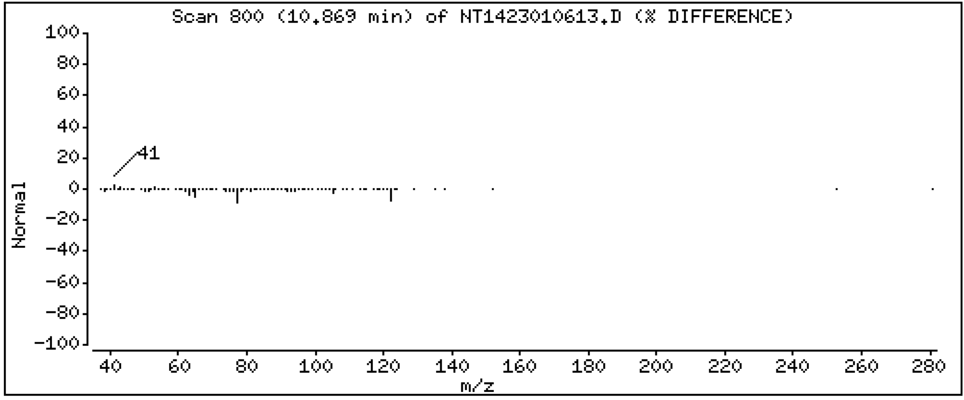
Column phase: ZB-5msi Column diameter: 0.25

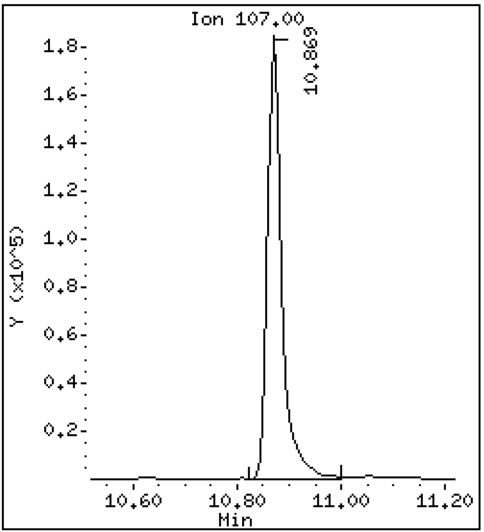
22 2,4-Dimethylphenol Concentration: 7.657 ug/mL

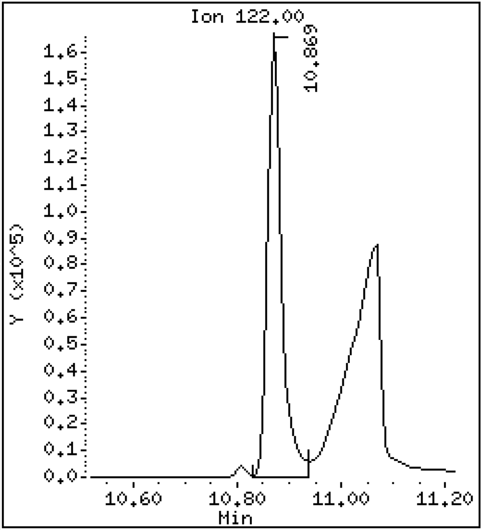


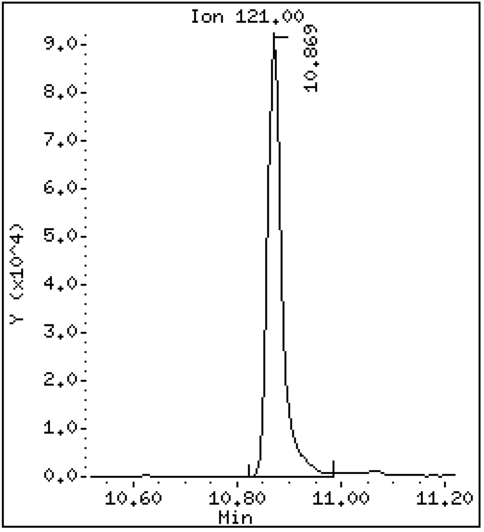












Data File: \\target\share\chem3\nt14.i\20230106.b\NT1423010613.D

Date : 06-JAN-2023 18:50

Client ID:

Instrument: nt14.i

Sample Info: BKL0585-BSD1

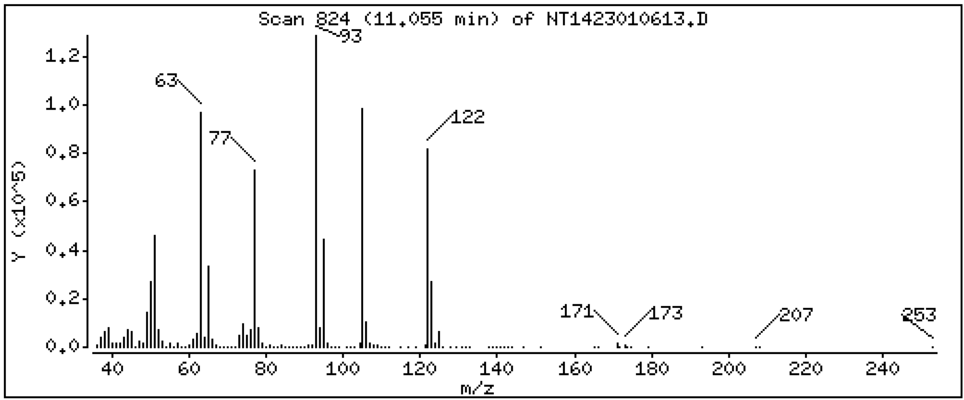
Operator: VTS

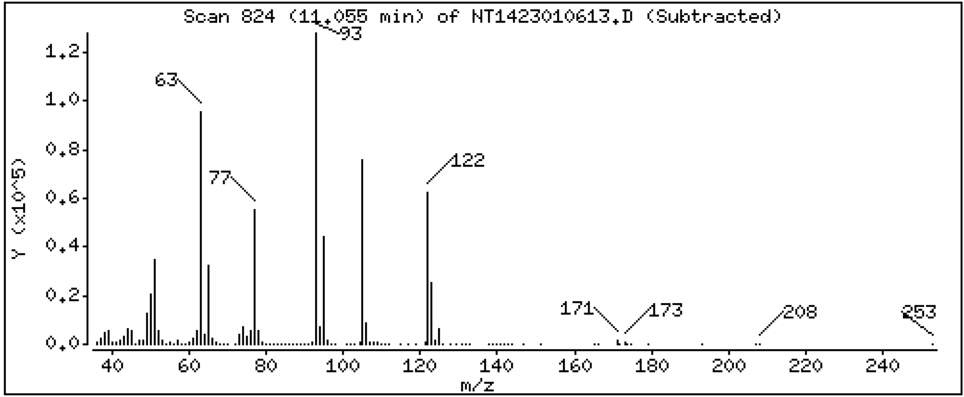
Column phase: ZB-5msi

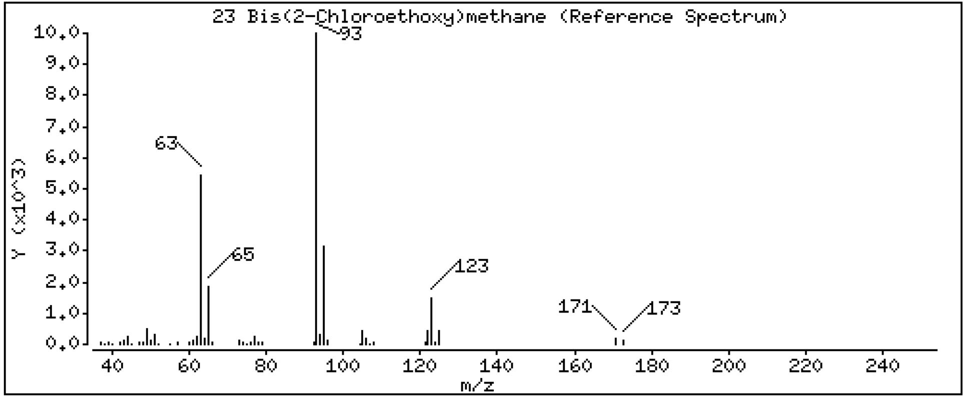
Column diameter: 0.25

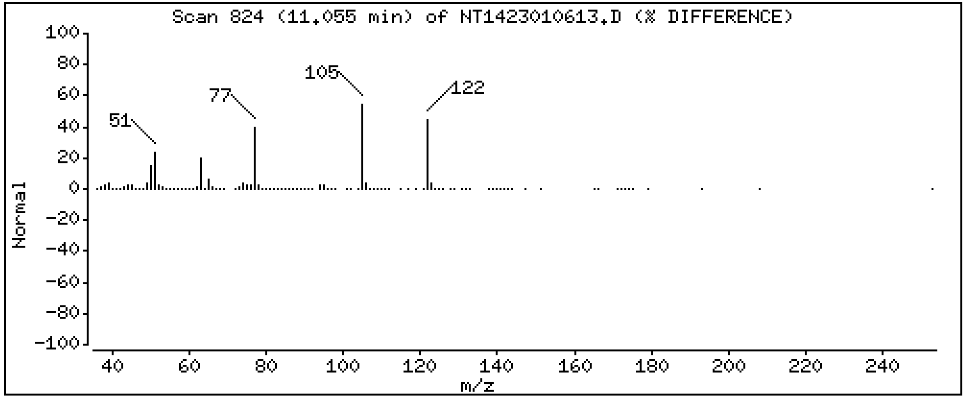
23 Bis(2-Chloroethoxy)methane

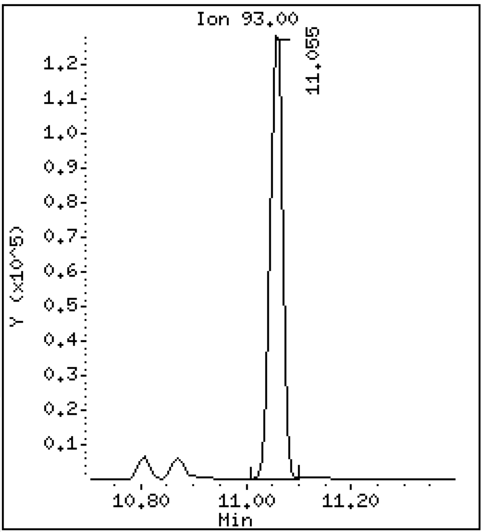
Concentration: 4.856 ug/mL

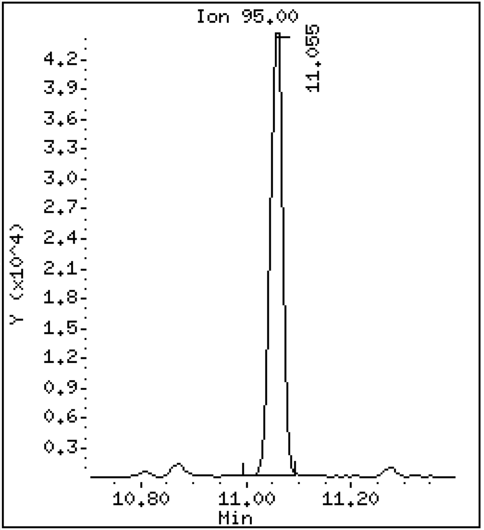


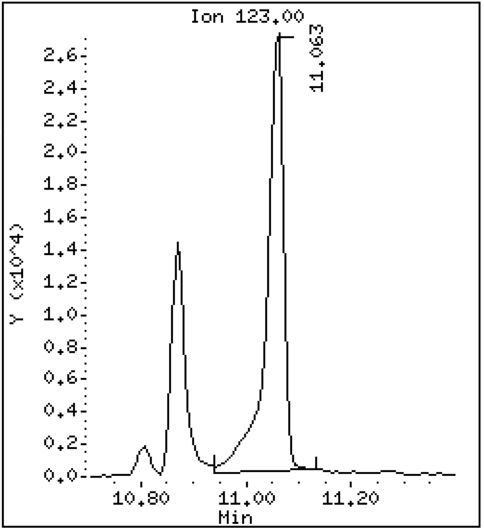












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Date : 06-JAN-2023 18:50

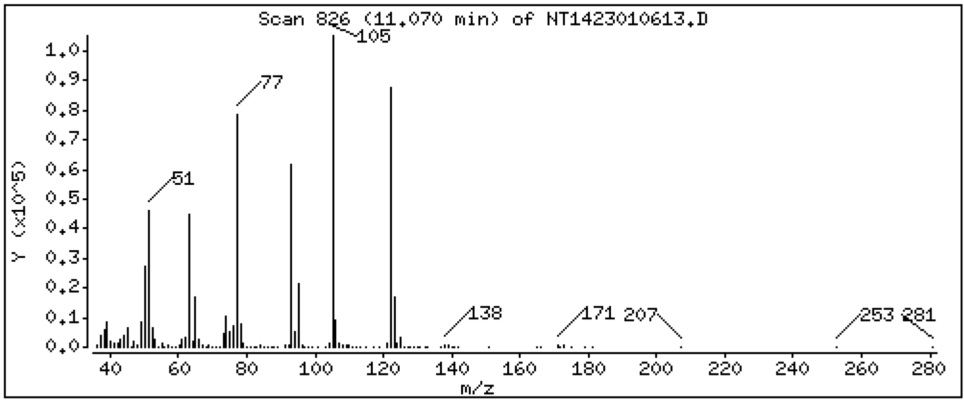
Client ID: Instrument: nt14.i

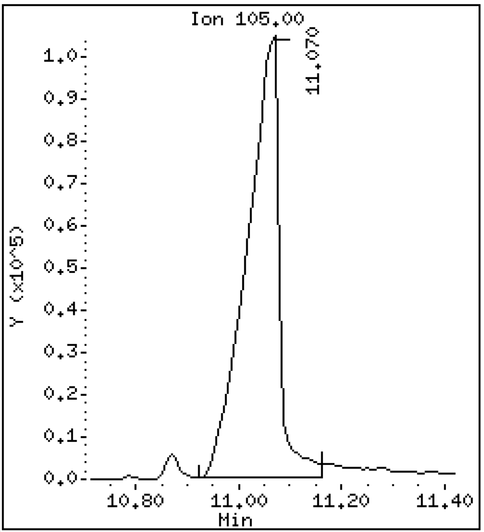
Sample Info: BKL0585-BSD1

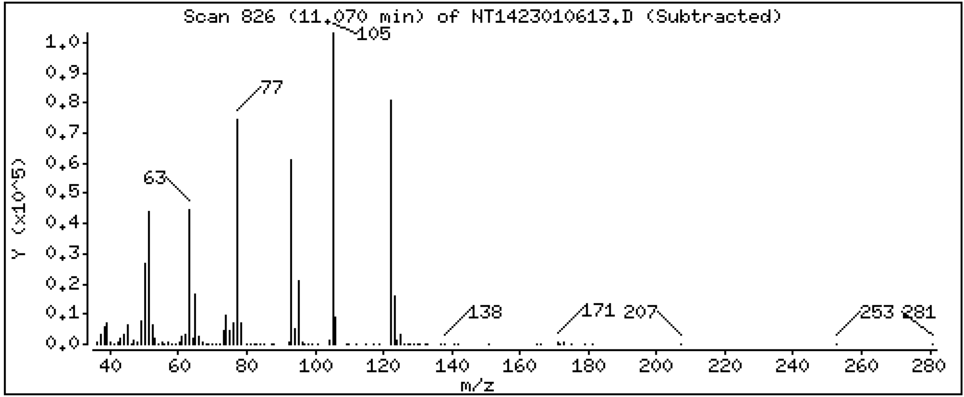
Operator: VTS

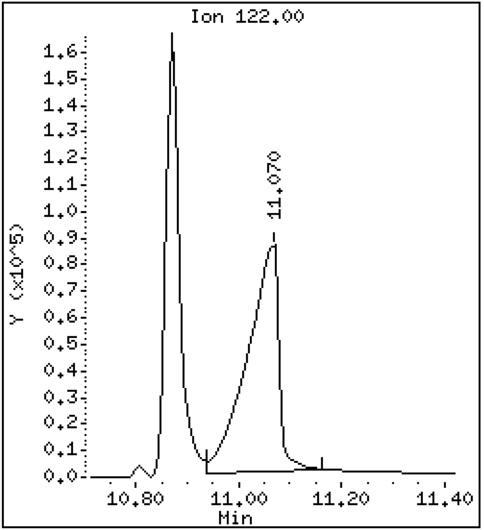
Column phase: ZB-5msi Column diameter: 0.25

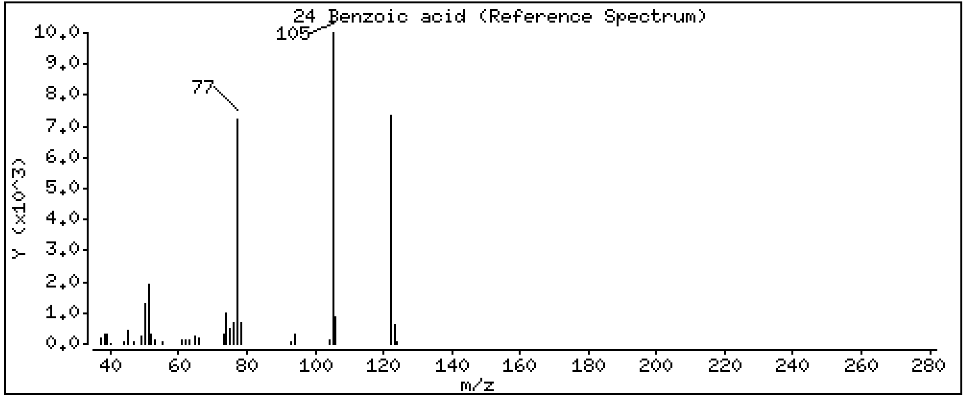
24 Benzoic acid Concentration: 16.18 ug/mL

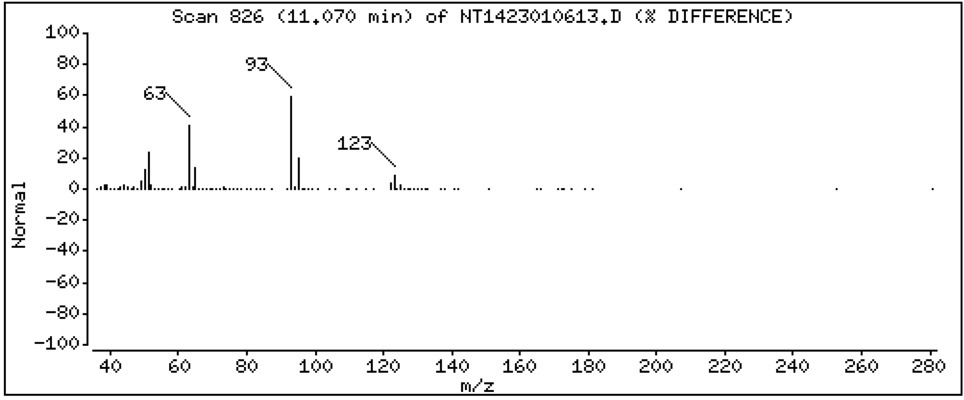


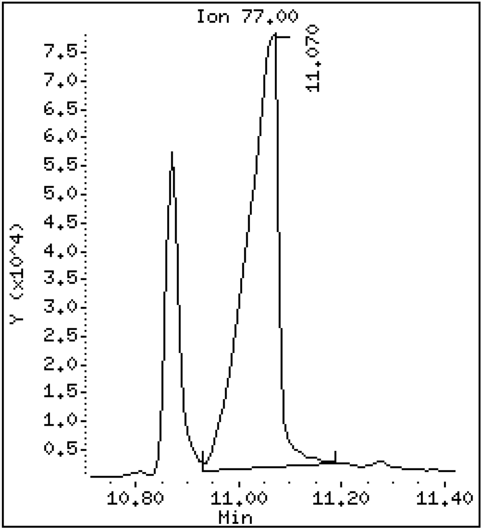












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Date : 06-JAN-2023 18:50

Client ID:

Instrument: nt14.i

Sample Info: BKL0585-BSD1

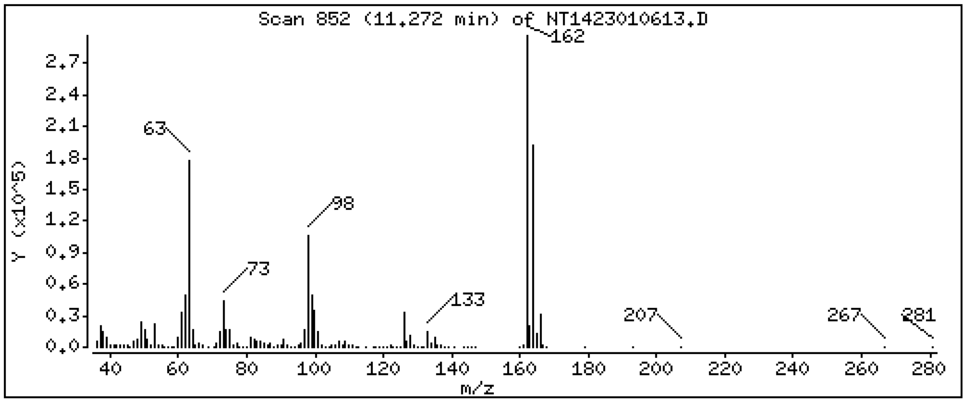
Operator: VTS

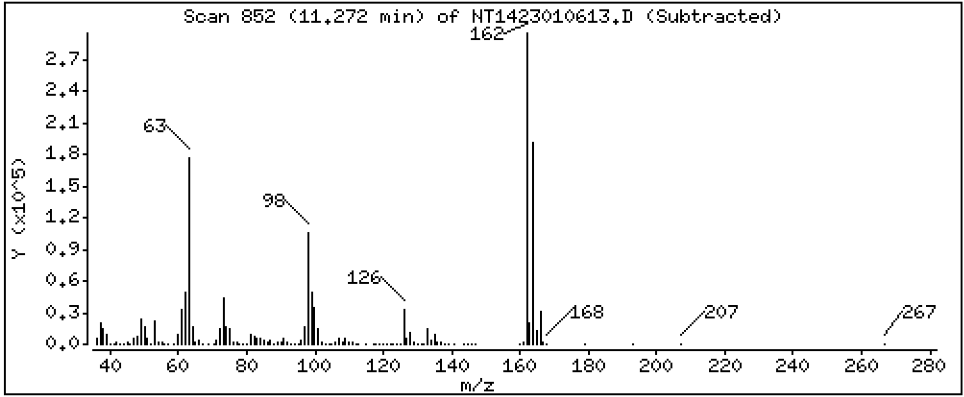
Column phase: ZB-5msi

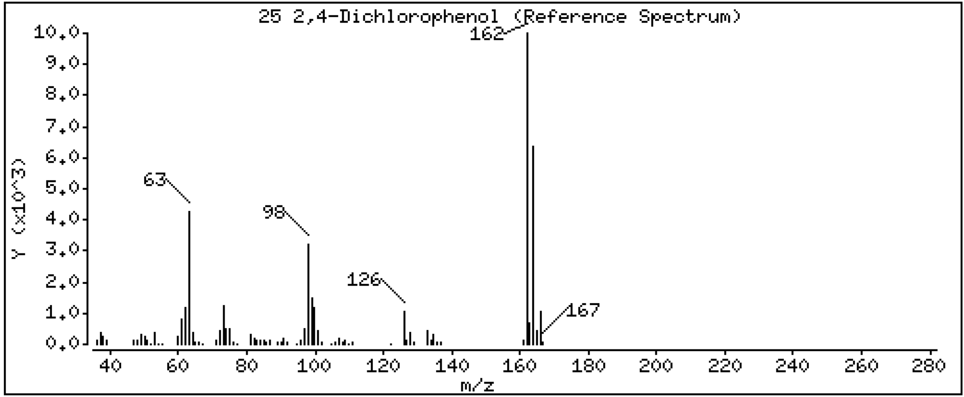
Column diameter: 0.25

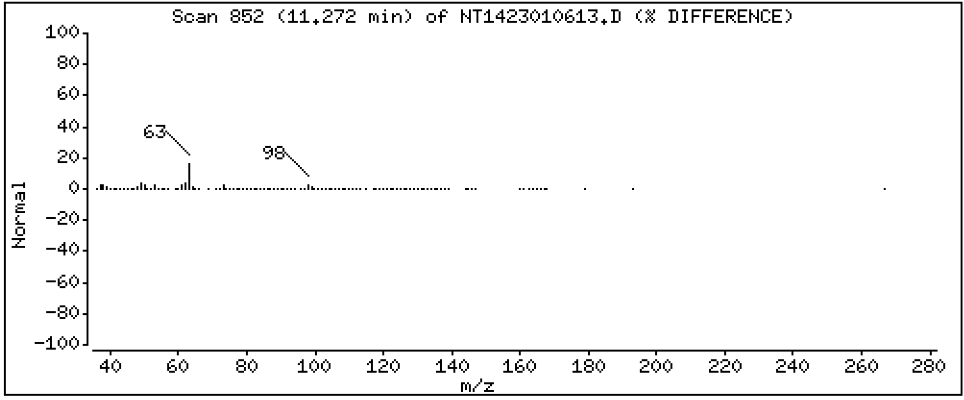
25 2,4-Dichlorophenol

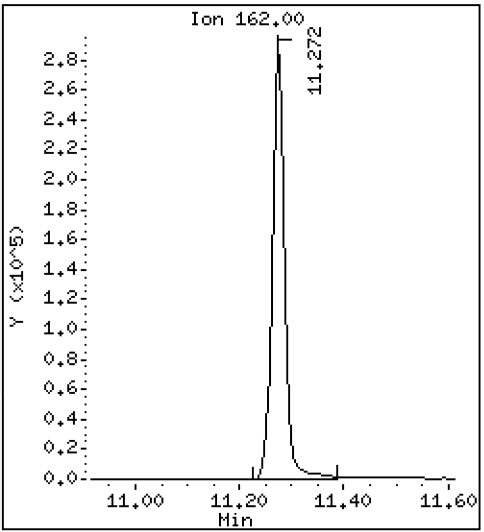
Concentration: 13.20 ug/mL


Scan 852 (11.272 min) of NT1423010613.D


Scan 852 (11.272 min) of NT1423010613.D (Subtracted)


25 2,4-Dichlorophenol (Reference Spectrum)


Scan 852 (11.272 min) of NT1423010613.D (% DIFFERENCE)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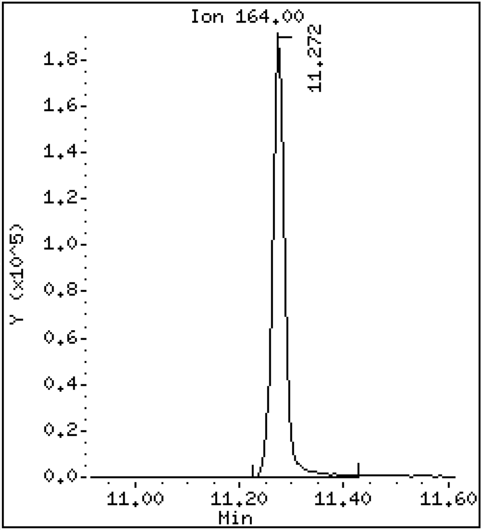
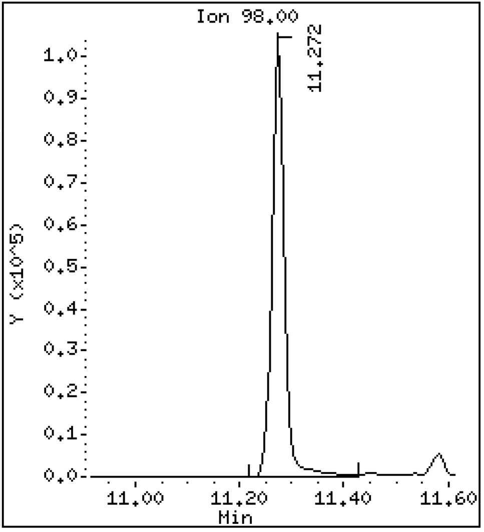

Ion 164.00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Date : 06-JAN-2023 18:50

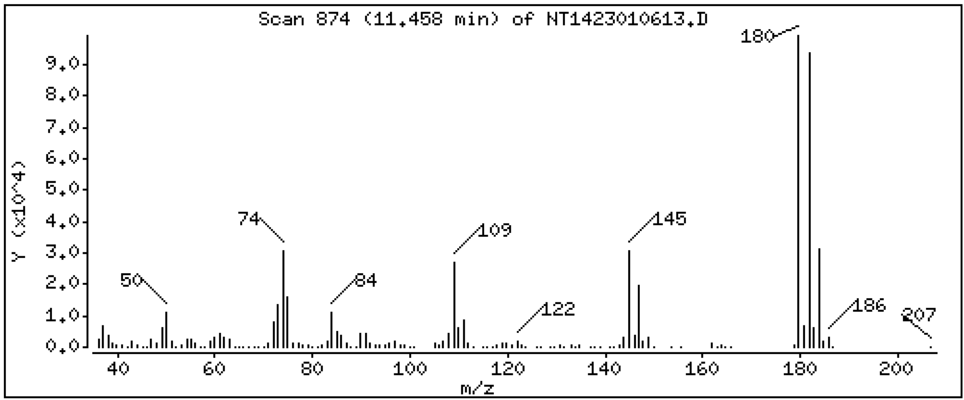
Client ID: Instrument: nt14.i

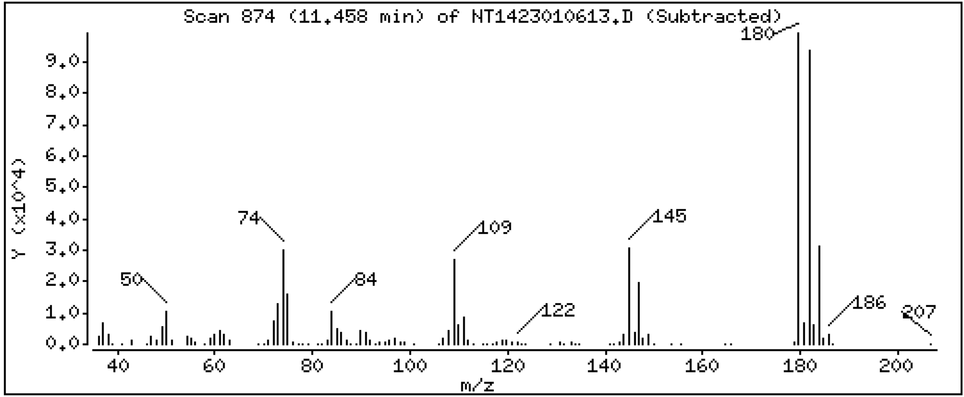
Sample Info: BKL0585-BSD1

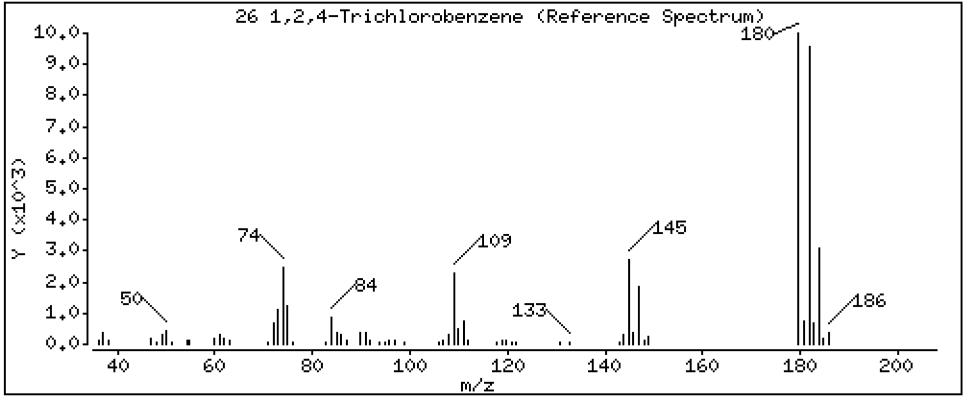
Operator: VTS

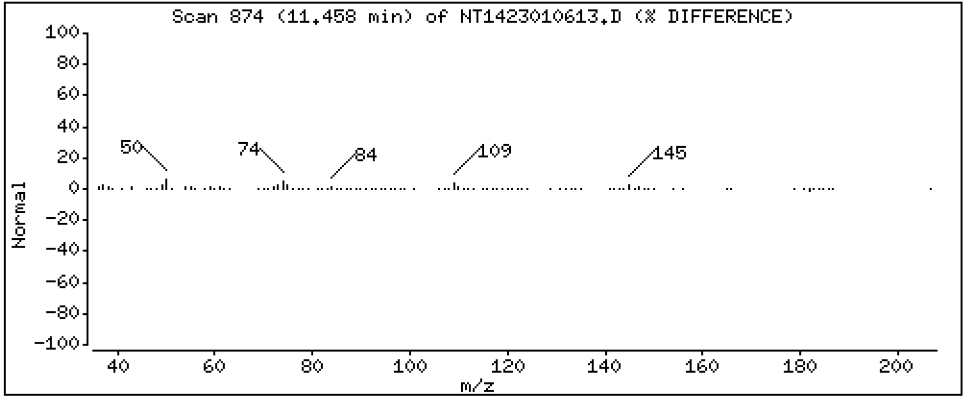
Column phase: ZB-5msi Column diameter: 0.25

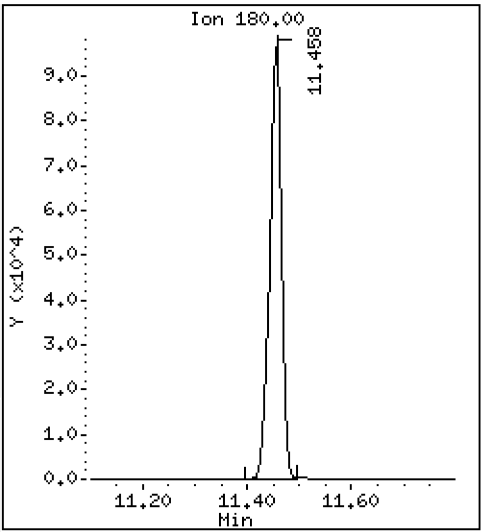
26 1,2,4-Trichlorobenzene Concentration: 4.501 ug/mL

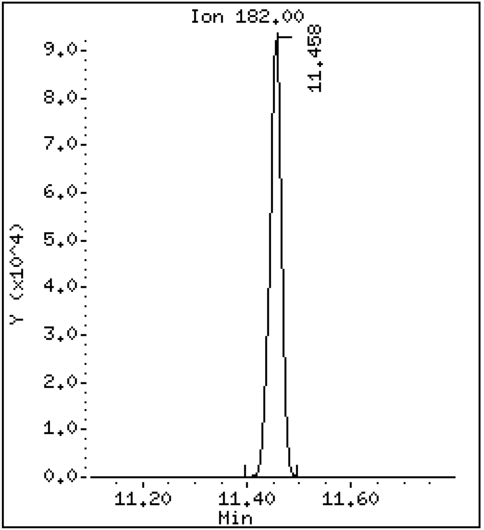


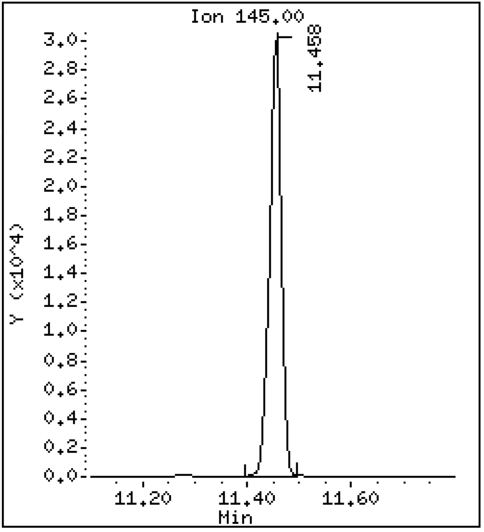












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Date : 06-JAN-2023 18:50

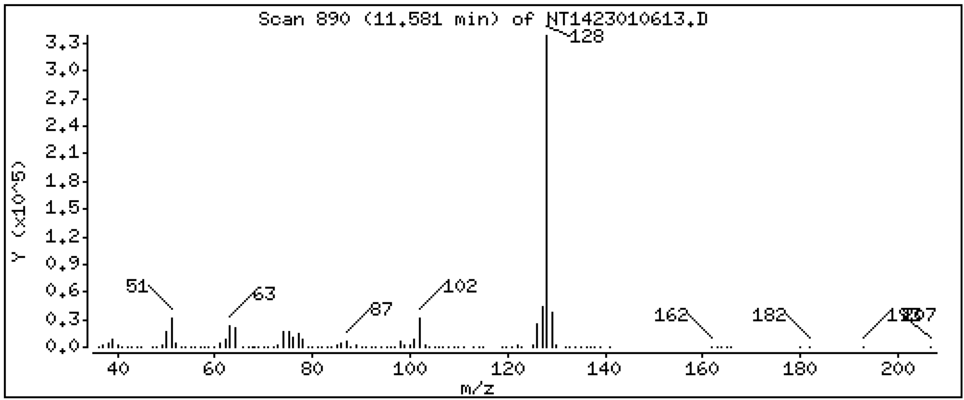
Client ID: Instrument: nt14.i

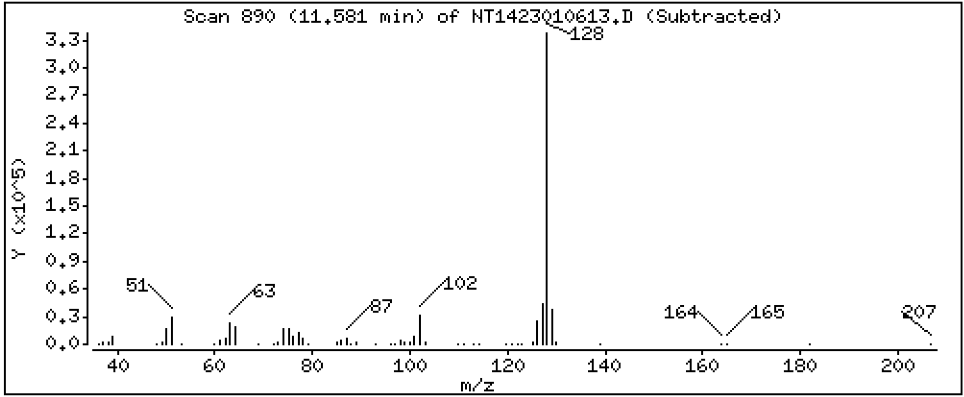
Sample Info: BKL0585-BSD1

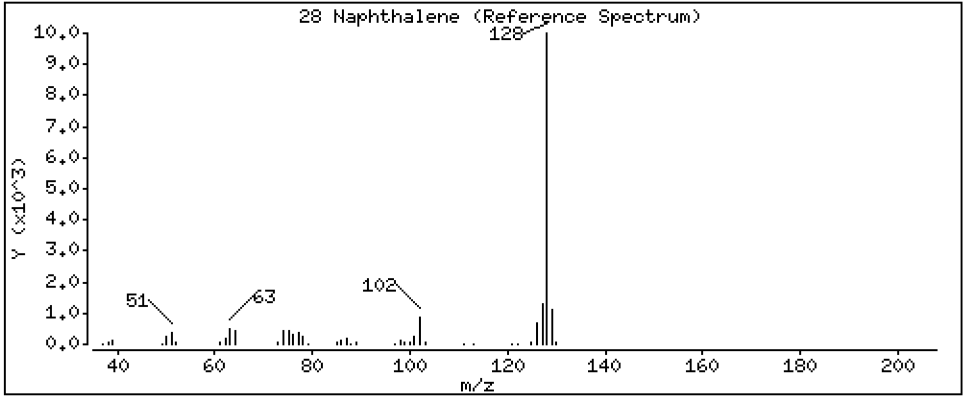
Operator: VTS

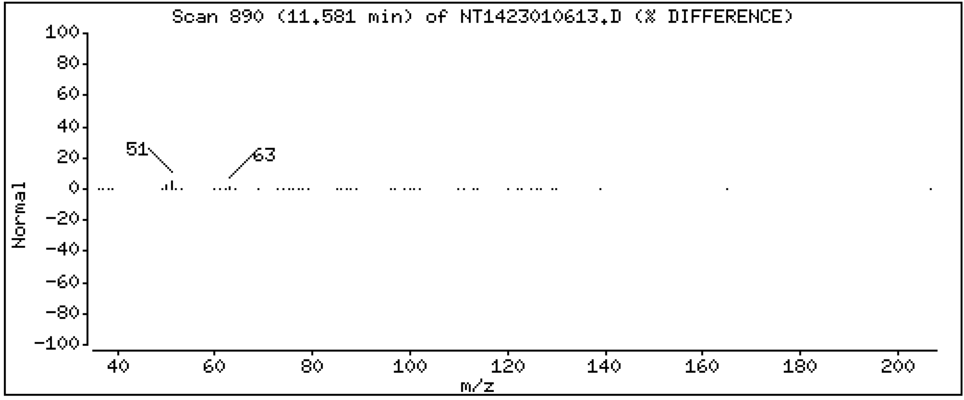
Column phase: ZB-5msi Column diameter: 0.25

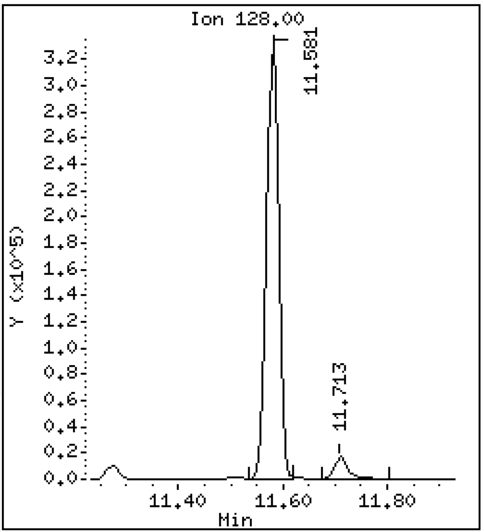
28 Naphthalene Concentration: 4.129 ug/mL

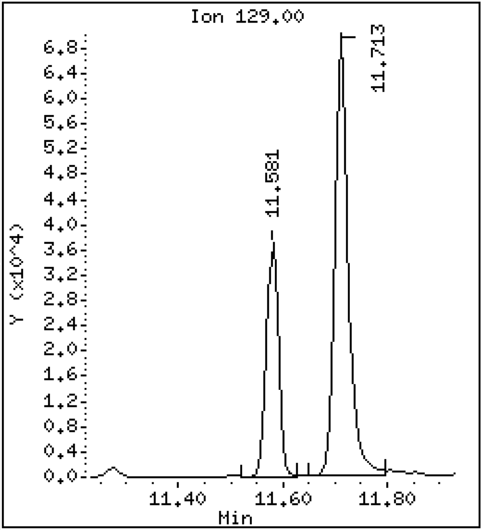

Scan 890 (11.581 min) of NT1423010613.D

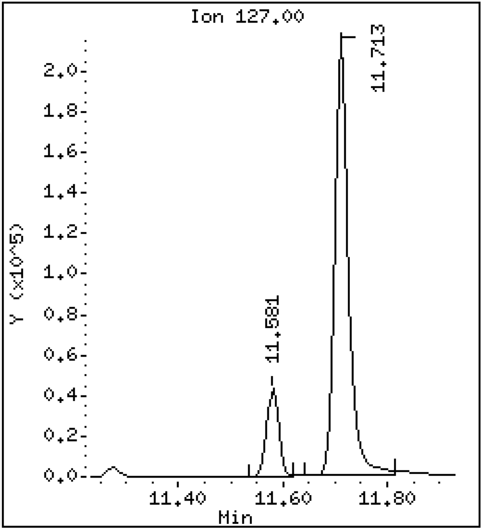

Scan 890 (11.581 min) of NT1423010613.D (Subtracted)


28 Naphthalene (Reference Spectrum)


Scan 890 (11.581 min) of NT1423010613.D (% DIFFERENCE)


Ion 128.00


Ion 129.00


Ion 127.00

Data File: \\target\share\chem3\nt14.i\20230106.b\NT1423010613.D

Date : 06-JAN-2023 18:50

Client ID:

Instrument: nt14.i

Sample Info: BKL0585-BSD1

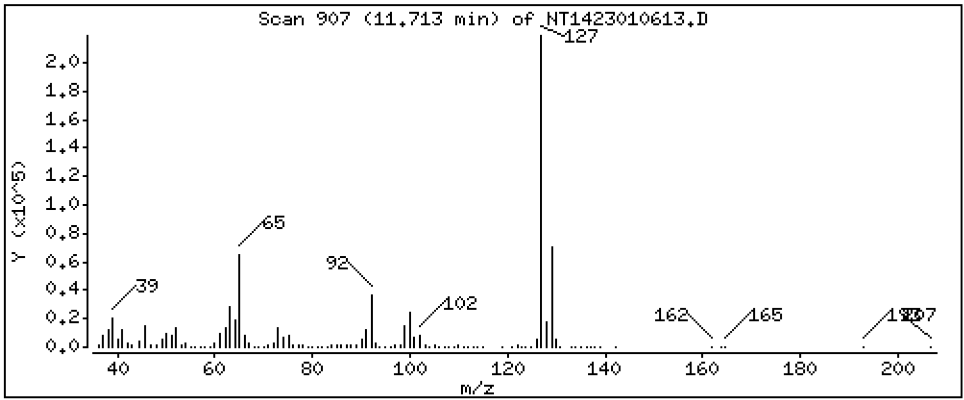
Operator: VTS

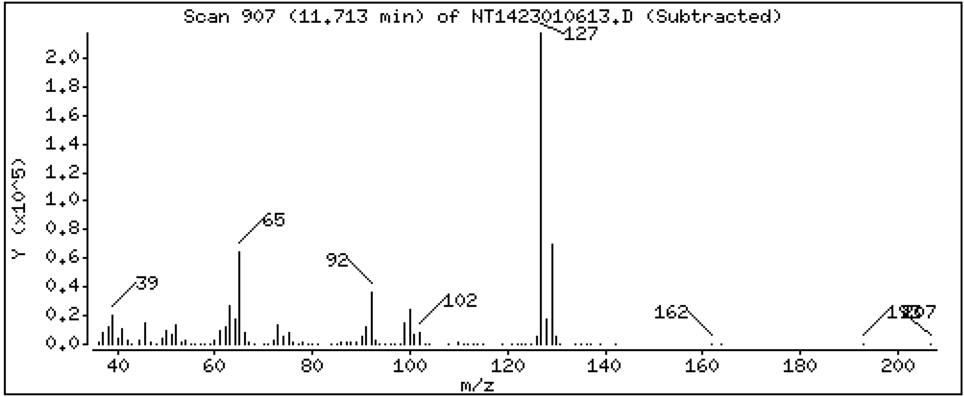
Column phase: ZB-5msi

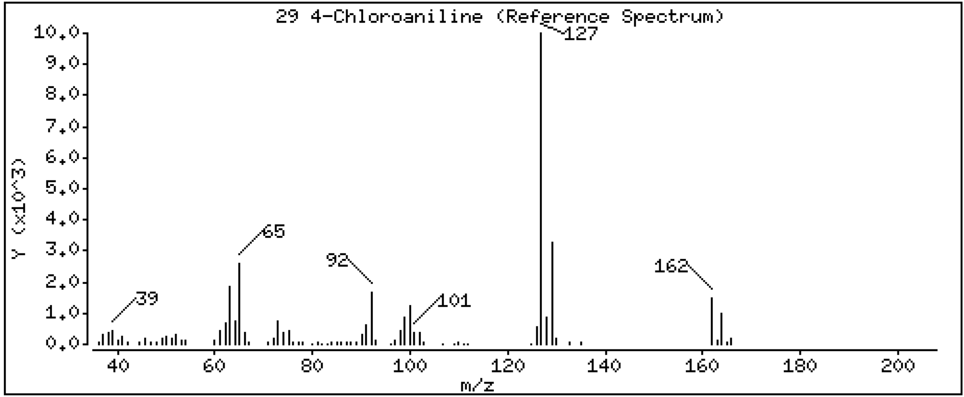
Column diameter: 0.25

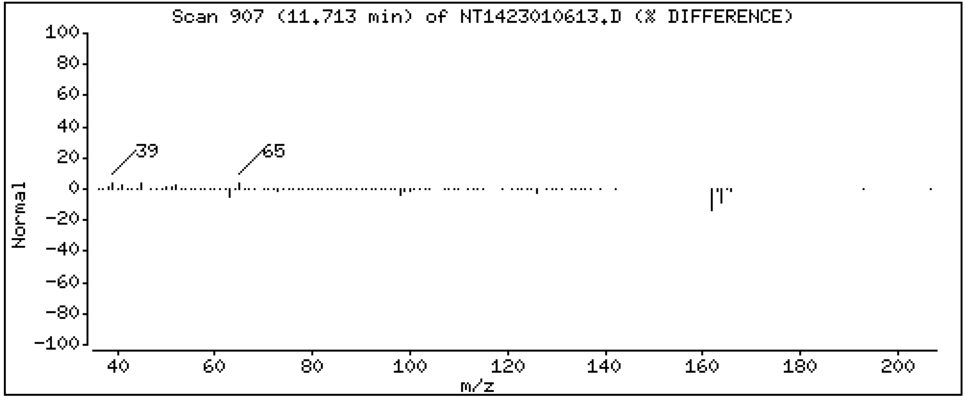
29 4-Chloroaniline

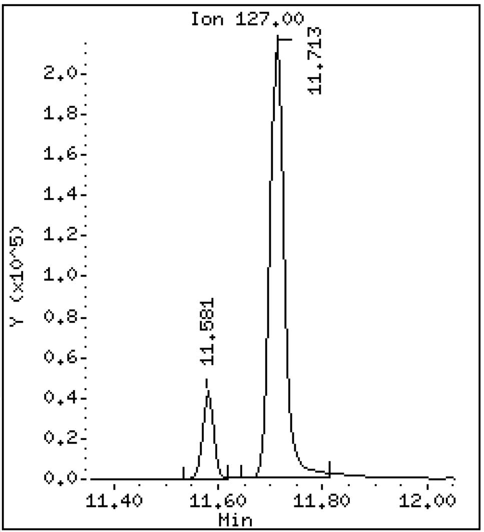
Concentration: 7.810 ug/mL

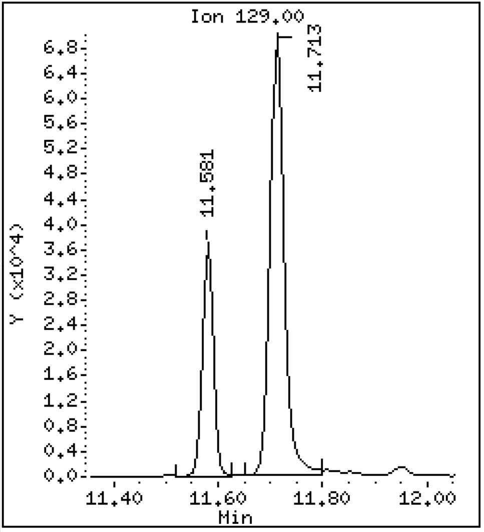












Data File: \\target\share\chem3\nt14.i\20230106.b\NT1423010613.D

Date : 06-JAN-2023 18:50

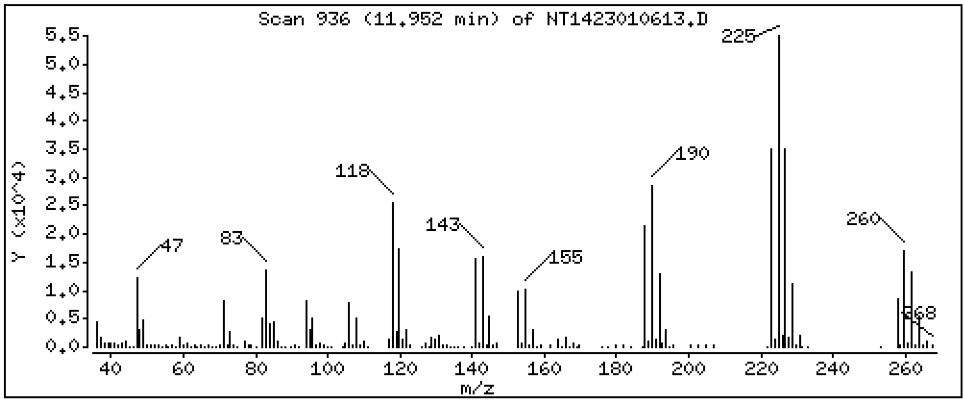
Client ID: Instrument: nt14.i

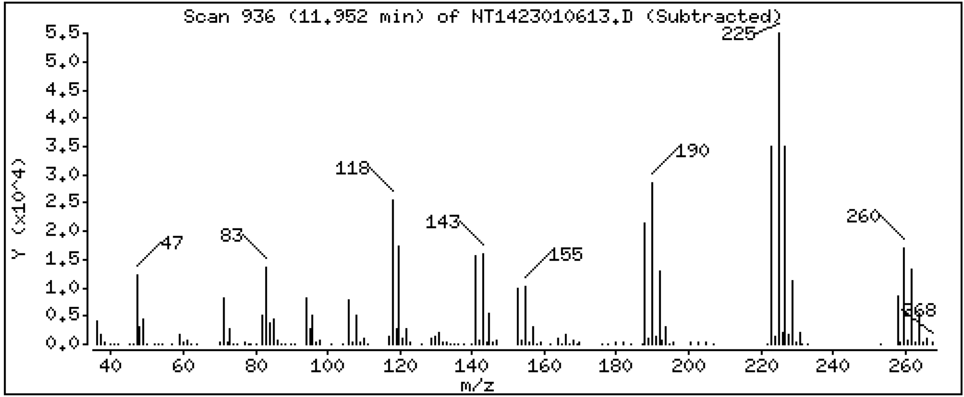
Sample Info: BKL0585-BSD1

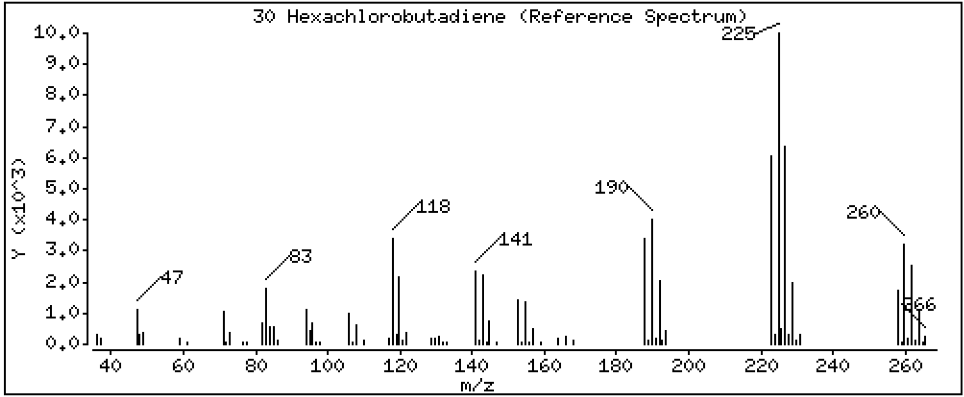
Operator: VTS

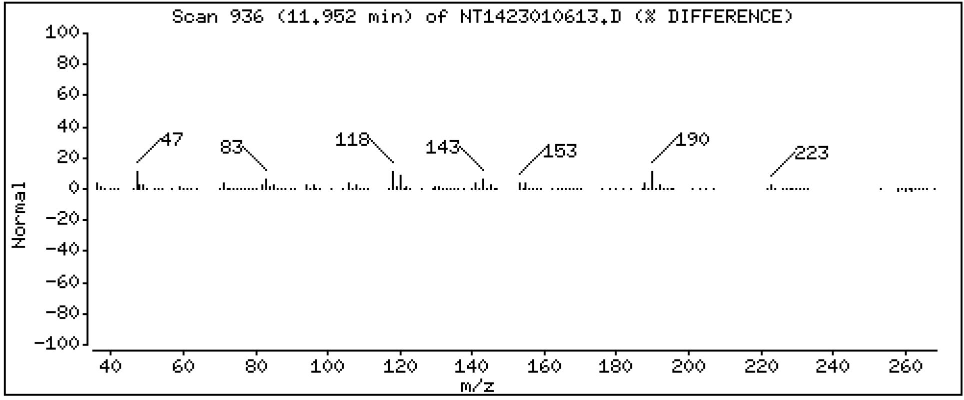
Column phase: ZB-5msi Column diameter: 0.25

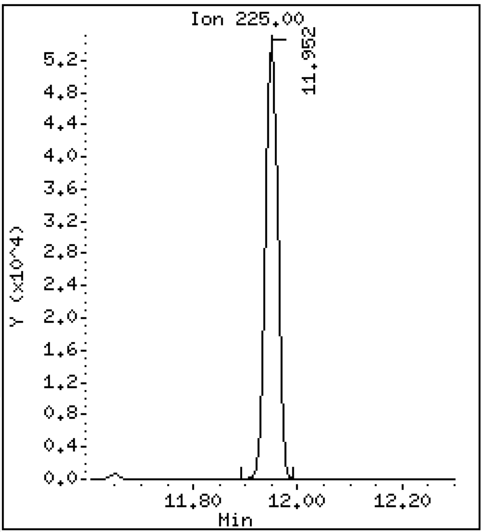
30 Hexachlorobutadiene Concentration: 5.026 ug/mL

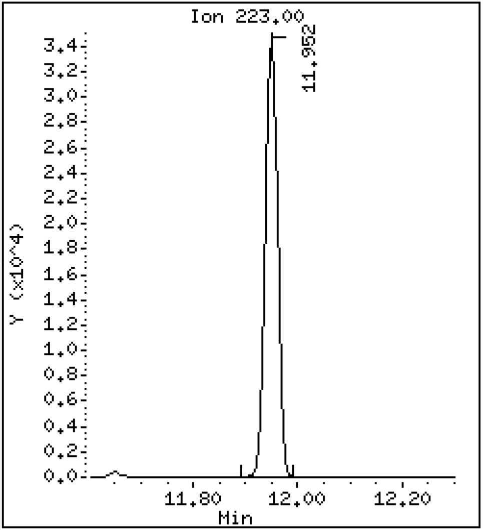

Scan 936 (11.952 min) of NT1423010613.D

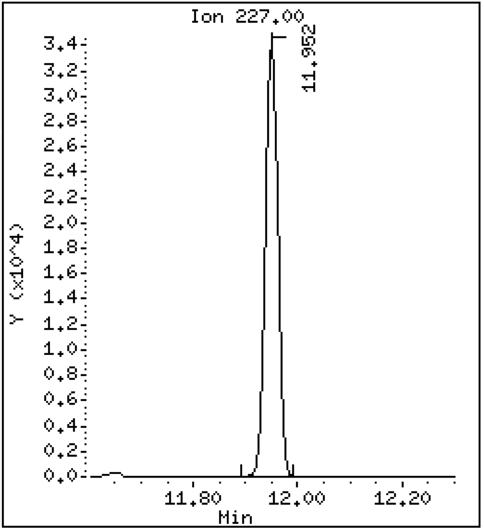

Scan 936 (11.952 min) of NT1423010613.D (Subtracted)


30 Hexachlorobutadiene (Reference Spectrum)


Scan 936 (11.952 min) of NT1423010613.D (% DIFFERENCE)


Ion 225.00


Ion 223.00


Ion 227.00

Data File: \\target\share\chem3\nt14.i\20230106.b\NT1423010613.D

Date : 06-JAN-2023 18:50

Client ID:

Instrument: nt14.i

Sample Info: BKL0585-BSD1

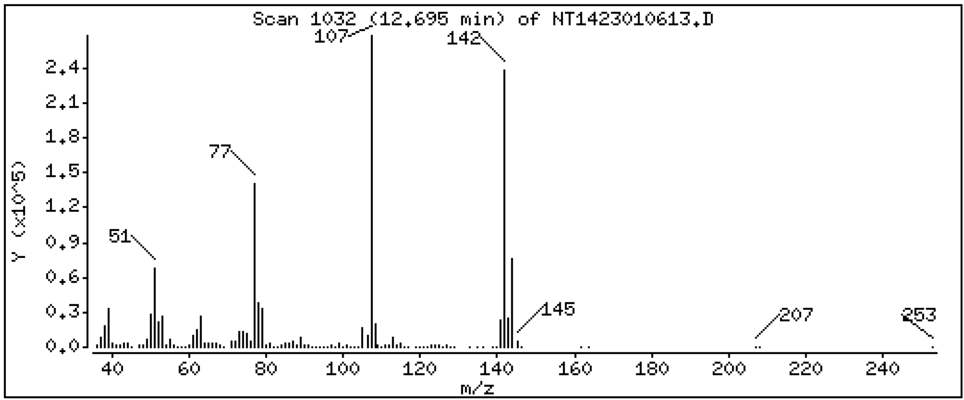
Operator: VTS

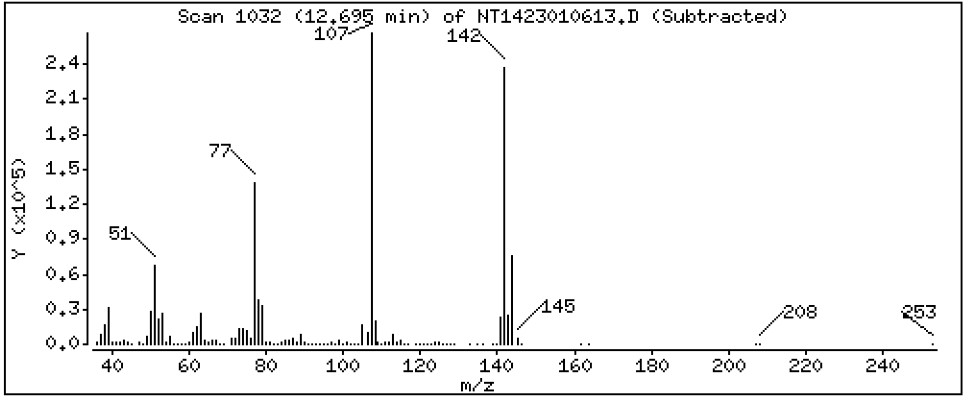
Column phase: ZB-5msi

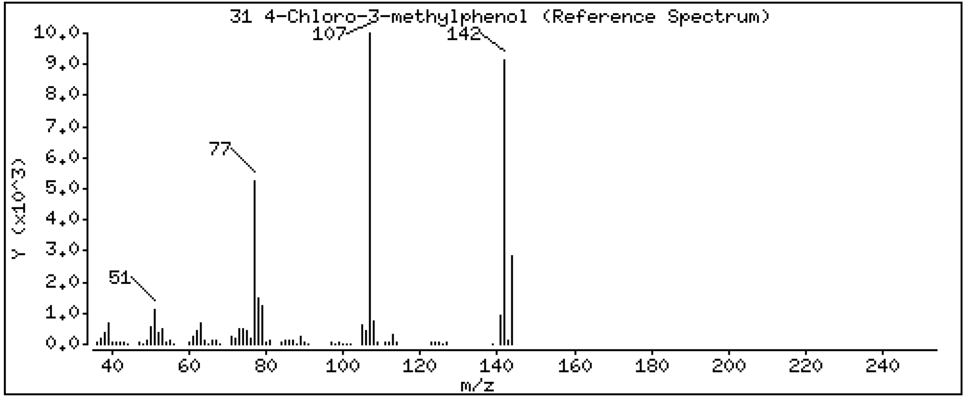
Column diameter: 0.25

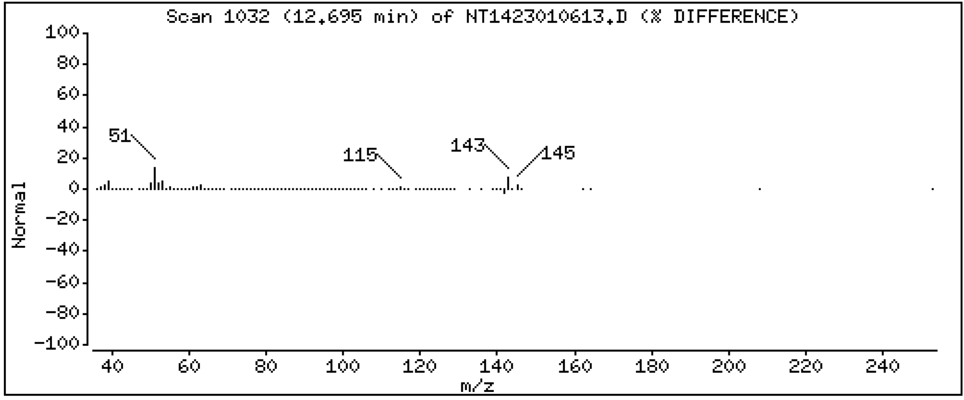
31 4-Chloro-3-methylphenol

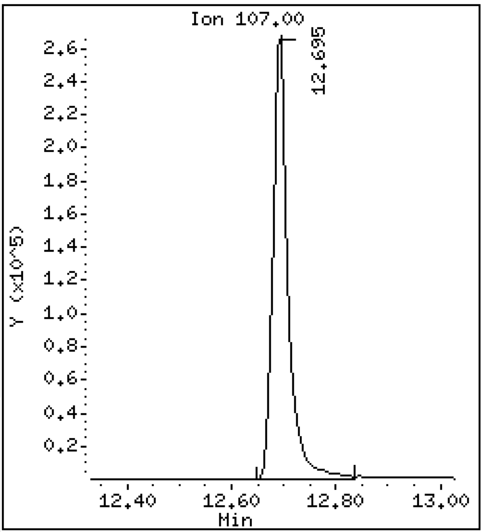
Concentration: 15.47 ug/mL

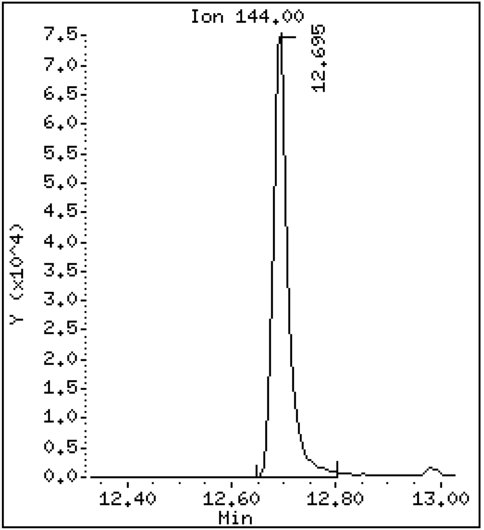

Scan 1032 (12.695 min) of NT1423010613.D

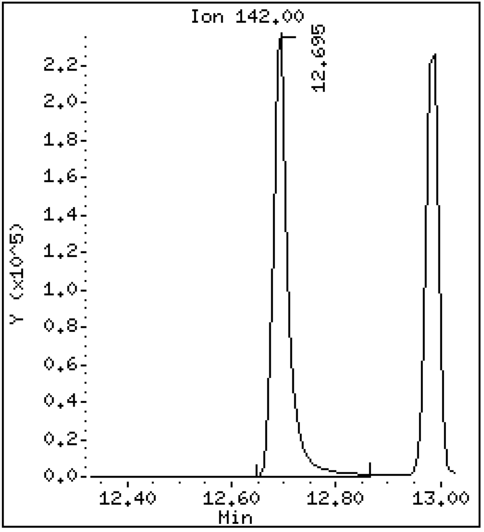

Scan 1032 (12.695 min) of NT1423010613.D (Subtracted)


31 4-Chloro-3-methylphenol (Reference Spectrum)


Scan 1032 (12.695 min) of NT1423010613.D (% DIFFERENCE)


Ion 107.00


Ion 144.00


Ion 142.00

Data File: \\target\share\chem3\nt14.i\20230106.b\NT1423010613.D

Date : 06-JAN-2023 18:50

Client ID:

Instrument: nt14.i

Sample Info: BKL0585-BSD1

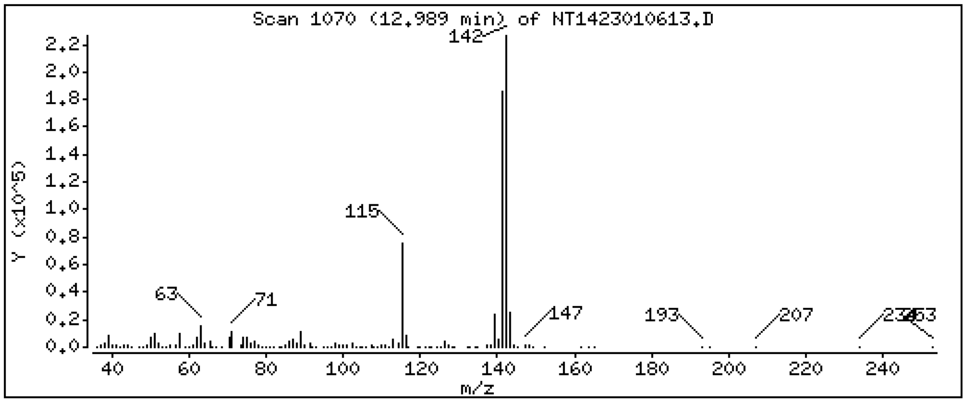
Operator: VTS

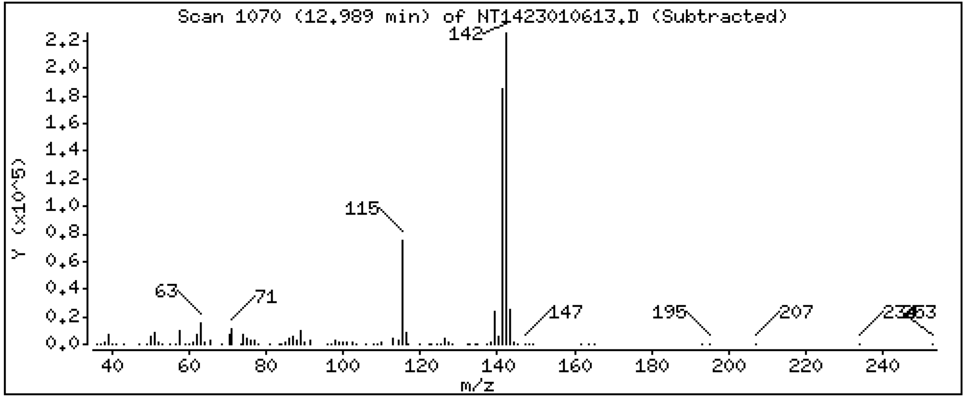
Column phase: ZB-5msi

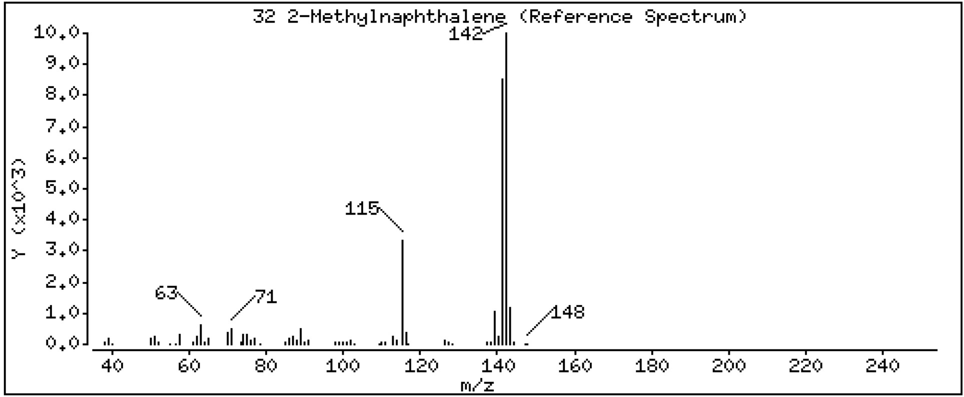
Column diameter: 0.25

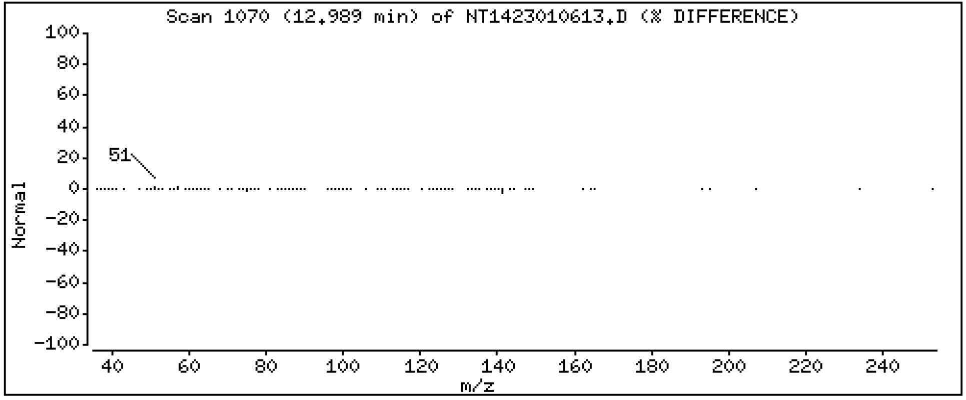
32 2-Methylnaphthalene

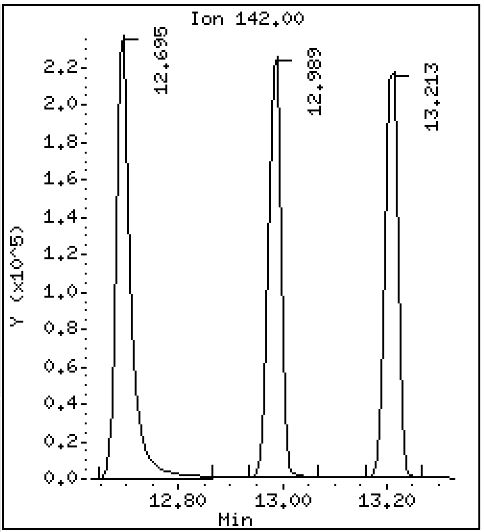
Concentration: 3.993 ug/mL

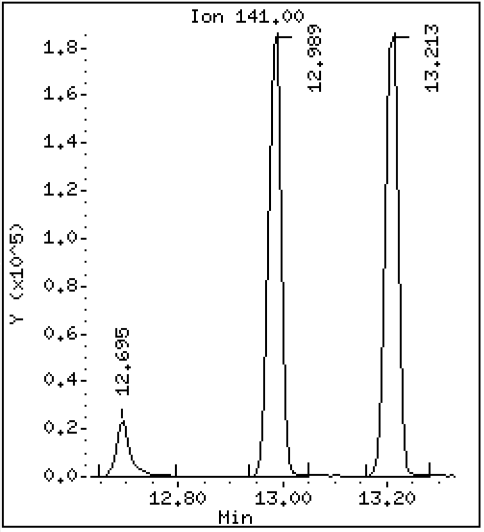












Data File: \\target\share\chem3\nt14.i\20230106.b\NT1423010613.D

Date : 06-JAN-2023 18:50

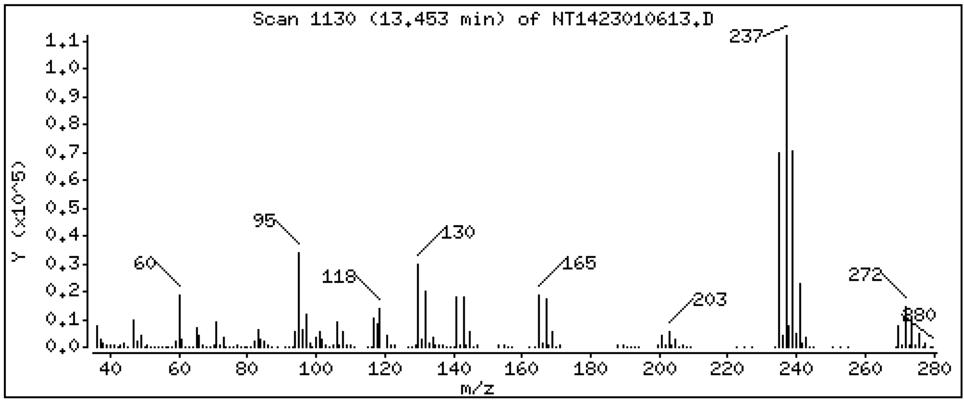
Client ID: Instrument: nt14.i

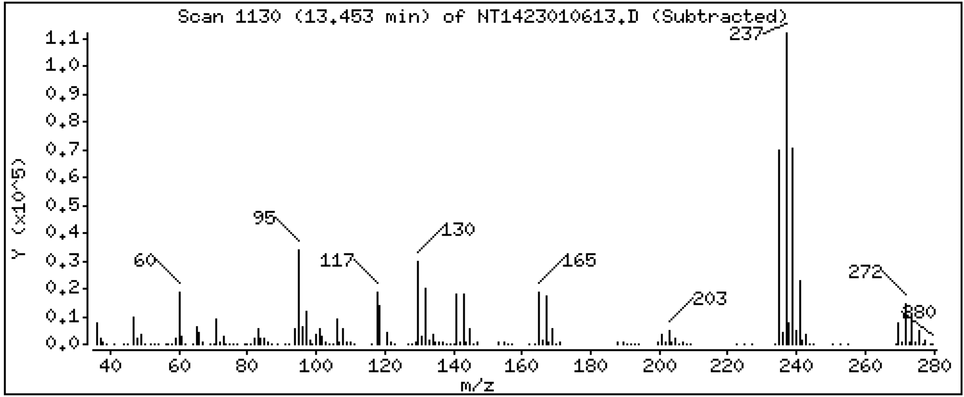
Sample Info: BKL0585-BSD1

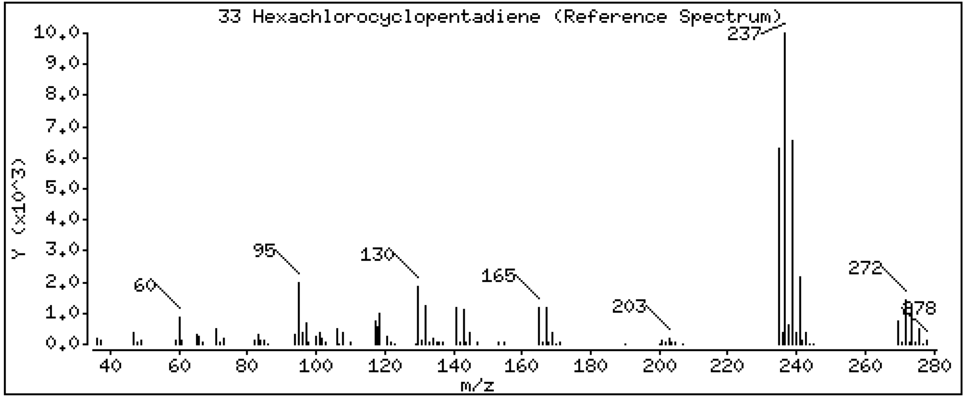
Operator: VTS

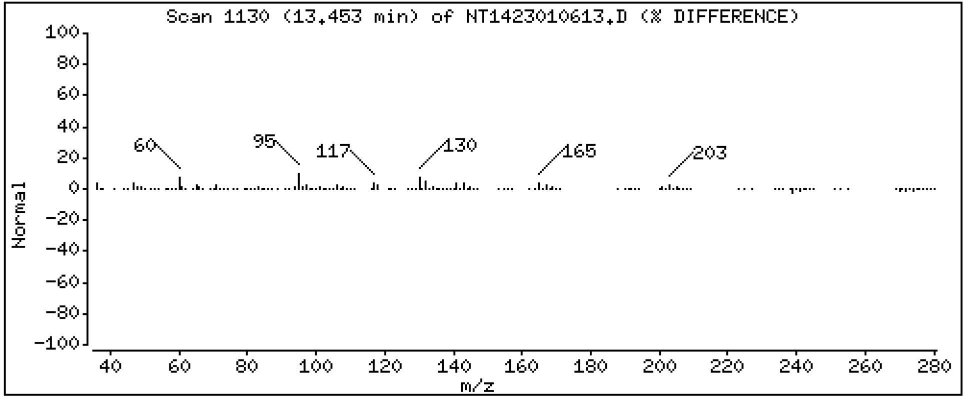
Column phase: ZB-5msi Column diameter: 0.25

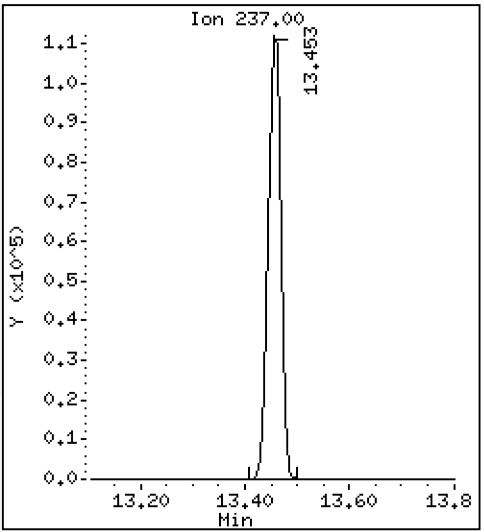
33 Hexachlorocyclopentadiene Concentration: 9.972 ug/mL

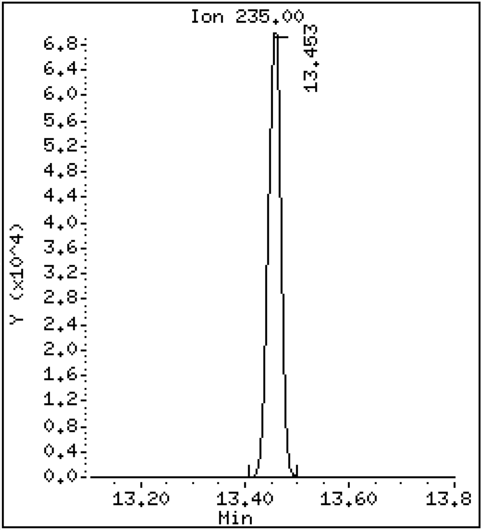

Scan 1130 (13.453 min) of NT1423010613.D

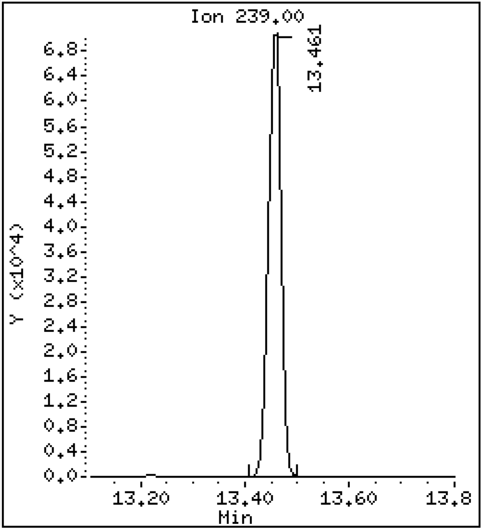

Scan 1130 (13.453 min) of NT1423010613.D (Subtracted)


33 Hexachlorocyclopentadiene (Reference Spectrum)


Scan 1130 (13.453 min) of NT1423010613.D (% DIFFERENCE)


Ion 237.00


Ion 235.00


Ion 239.00

Data File: \\target\share\chem3\nt14.i\20230106.b\NT1423010613.D

Date : 06-JAN-2023 18:50

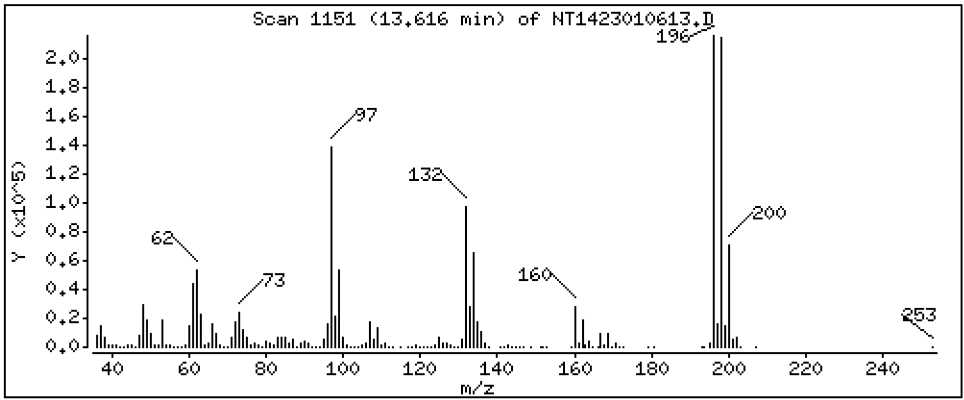
Client ID: Instrument: nt14.i

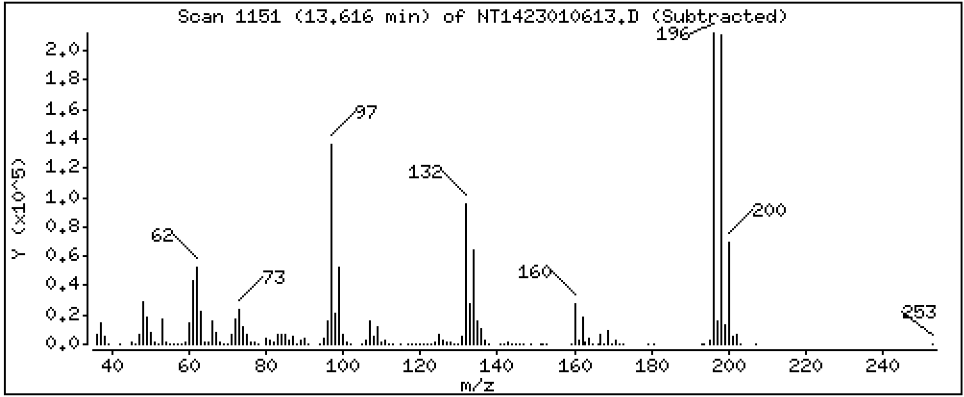
Sample Info: BKL0585-BSD1

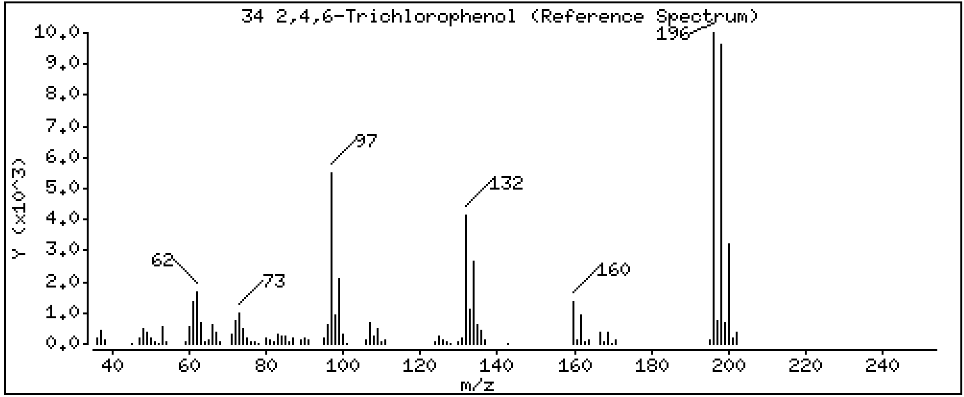
Operator: VTS

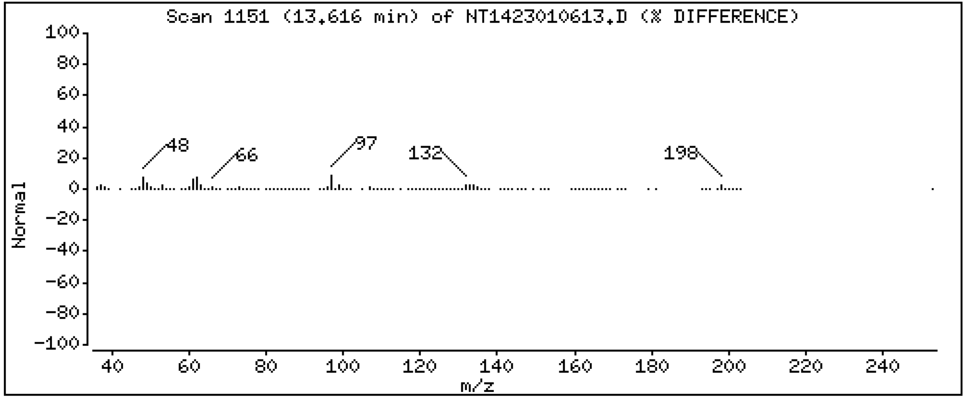
Column phase: ZB-5msi Column diameter: 0.25

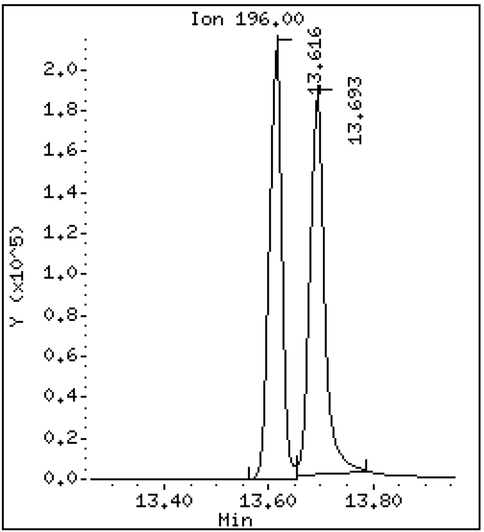
34 2,4,6-Trichlorophenol Concentration: 17.07 ug/mL

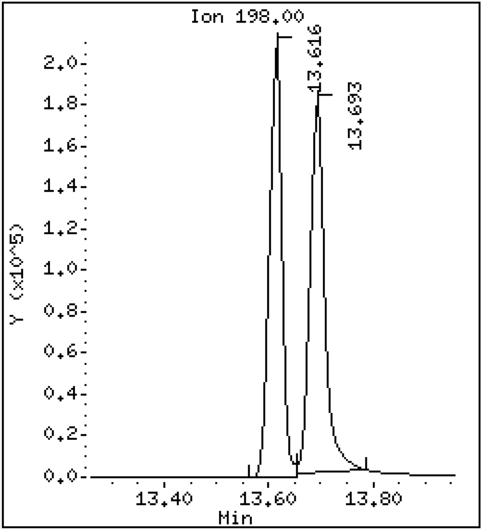

Scan 1151 (13.616 min) of NT1423010613.D

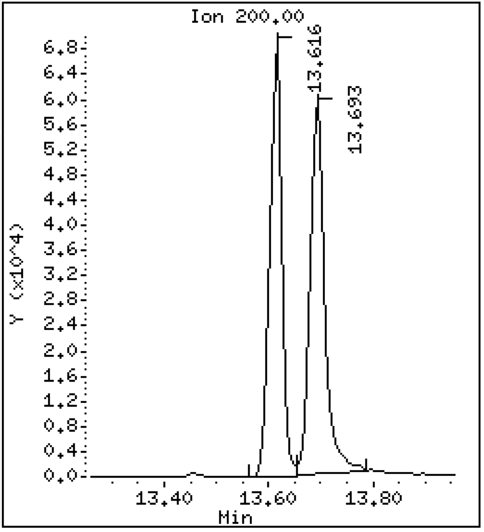

Scan 1151 (13.616 min) of NT1423010613.D (Subtracted)


34 2,4,6-Trichlorophenol (Reference Spectrum)


Scan 1151 (13.616 min) of NT1423010613.D (% DIFFERENCE)


Ion 196.00


Ion 198.00


Ion 200.00

Data File: \\target\share\chem3\nt14.i\20230106.b\NT1423010613.D

Date : 06-JAN-2023 18:50

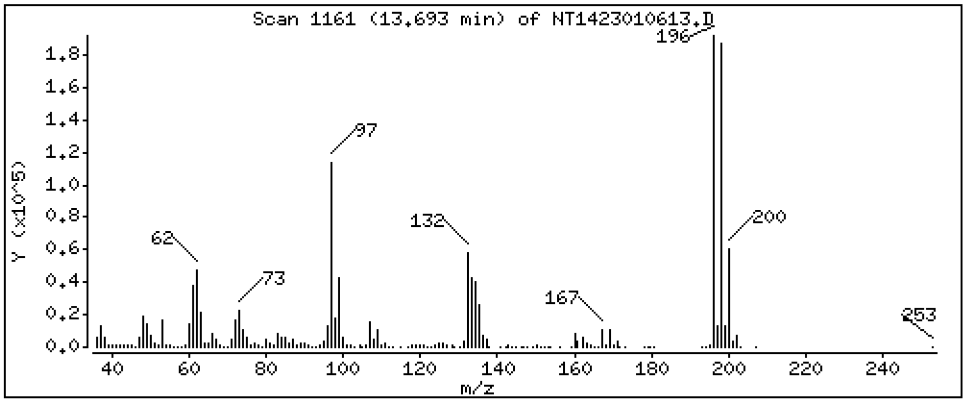
Client ID: Instrument: nt14.i

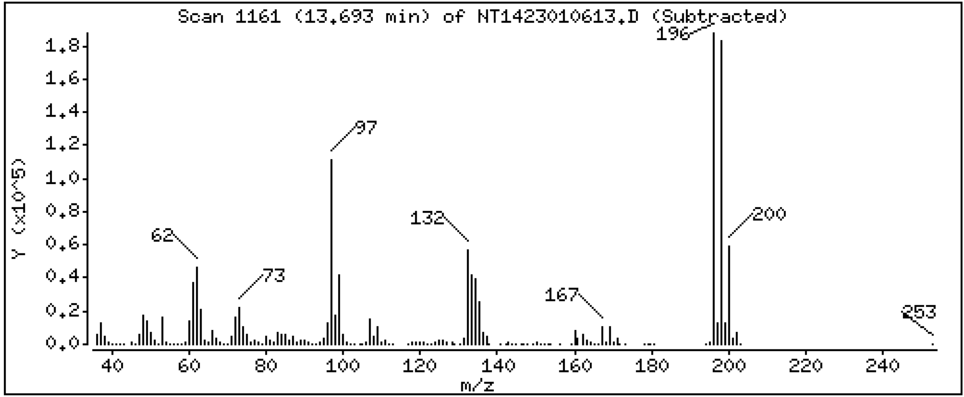
Sample Info: BKL0585-BSD1

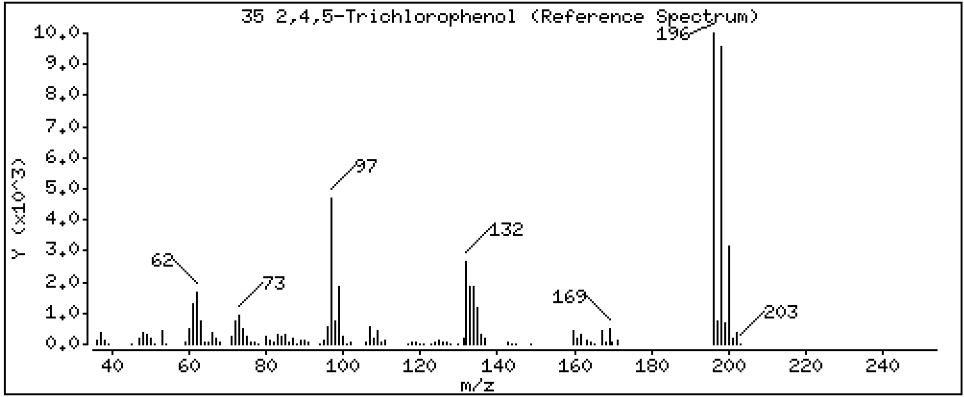
Operator: VTS

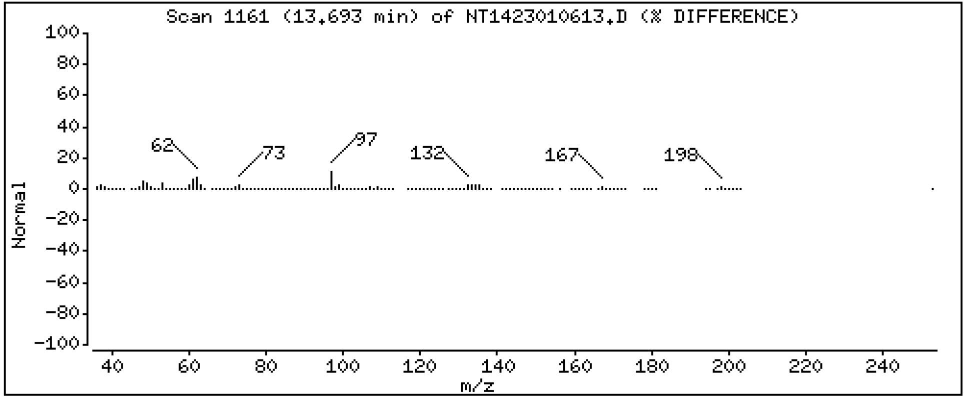
Column phase: ZB-5msi Column diameter: 0.25

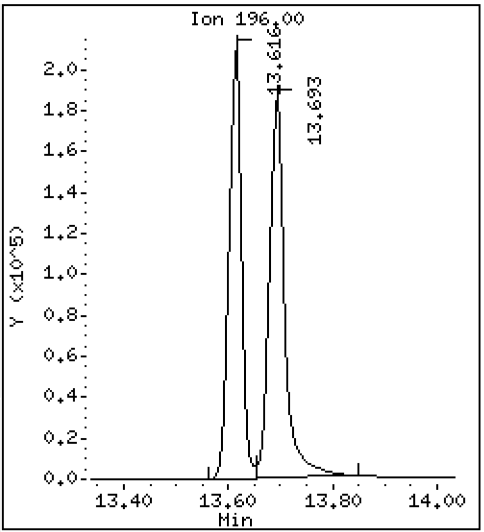
35 2,4,5-Trichlorophenol Concentration: 16.02 ug/mL

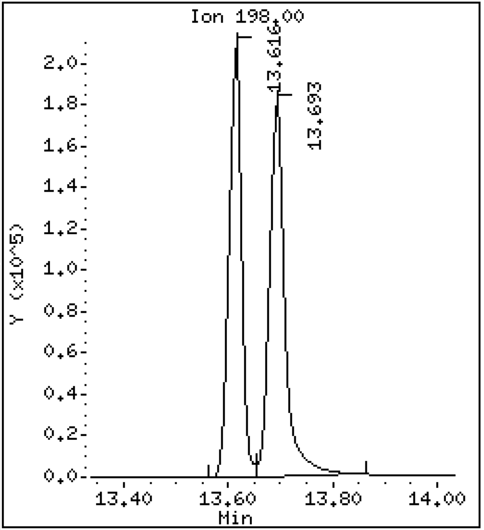

Scan 1161 (13.693 min) of NT1423010613.D


Scan 1161 (13.693 min) of NT1423010613.D (Subtracted)


35 2,4,5-Trichlorophenol (Reference Spectrum)


Scan 1161 (13.693 min) of NT1423010613.D (% DIFFERENCE)


Ion 196.00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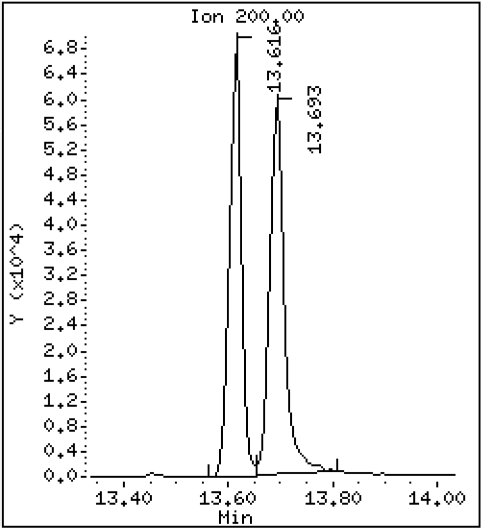

Ion 200.00

Data File: \\target\share\chem3\nt14.i\20230106.b\NT1423010613.D

Date : 06-JAN-2023 18:50

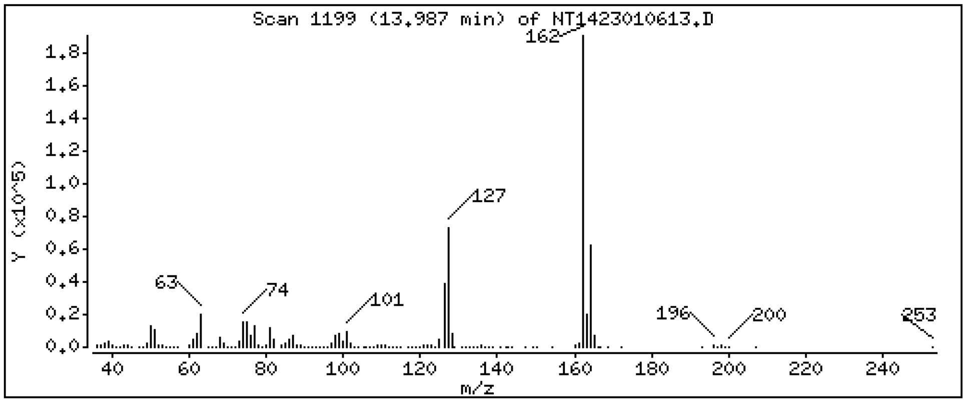
Client ID: Instrument: nt14.i

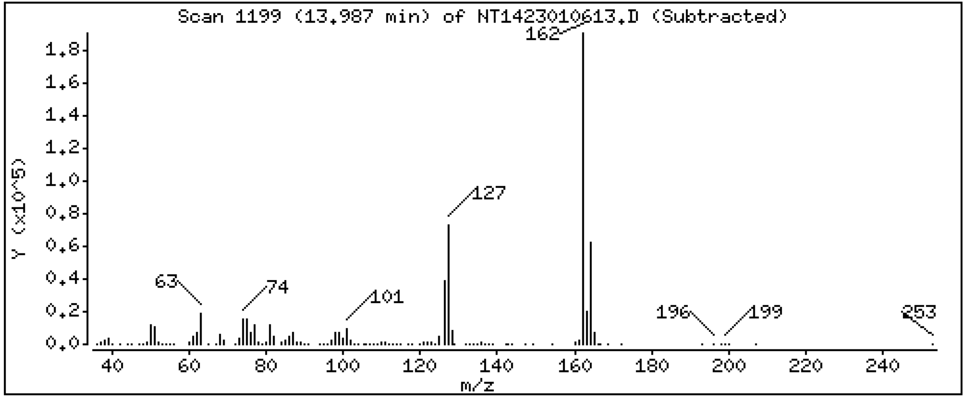
Sample Info: BKL0585-BSD1

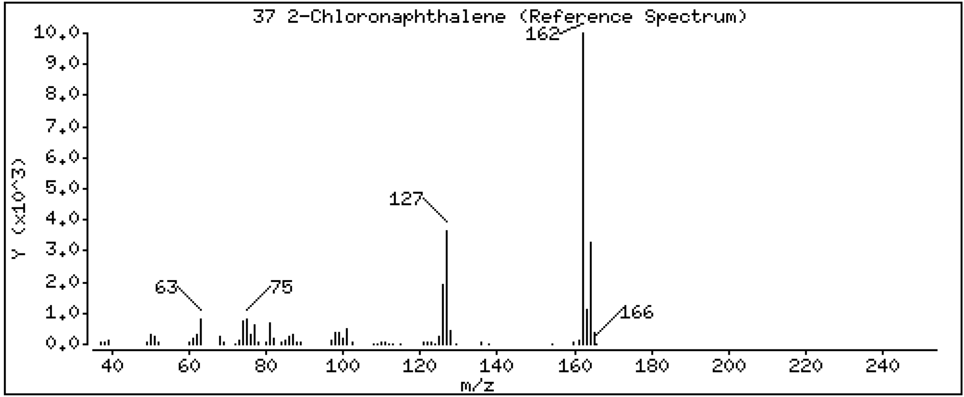
Operator: VTS

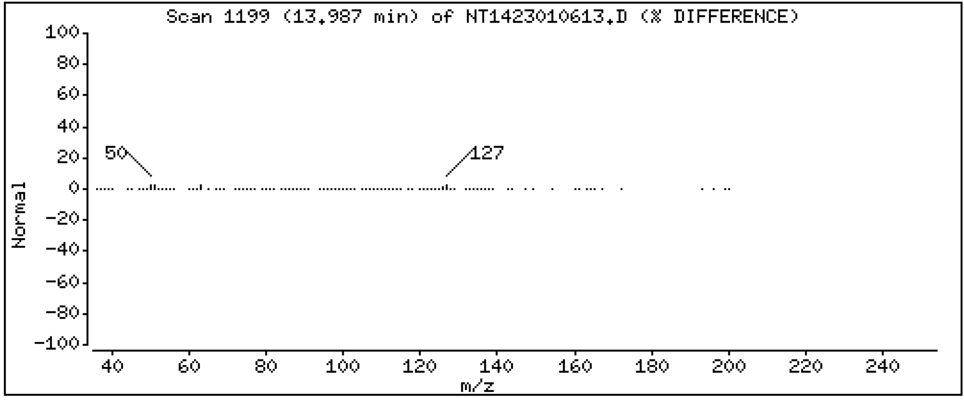
Column phase: ZB-5msi Column diameter: 0.25

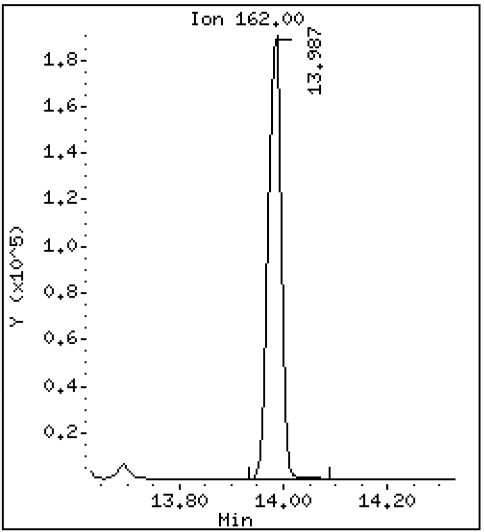
37 2-Chloronaphthalene Concentration: 4.592 ug/mL

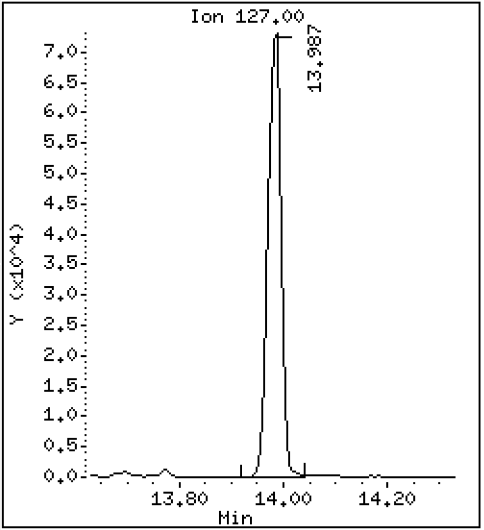

Scan 1199 (13.987 min) of NT1423010613.D

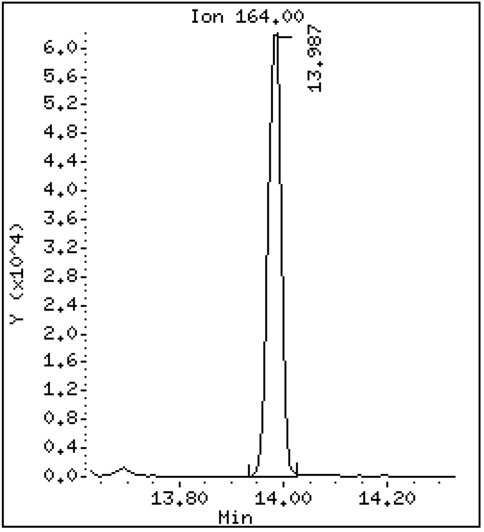

Scan 1199 (13.987 min) of NT1423010613.D (Subtracted)


37 2-Chloronaphthalene (Reference Spectrum)


Scan 1199 (13.987 min) of NT1423010613.D (% DIFFERENCE)


Ion 162.00


Ion 127.00


Ion 164.00

Data File: \\target\share\chem3\nt14.i\20230106.b\NT1423010613.D

Date : 06-JAN-2023 18:50

Client ID:

Instrument: nt14.i

Sample Info: BKL0585-BSD1

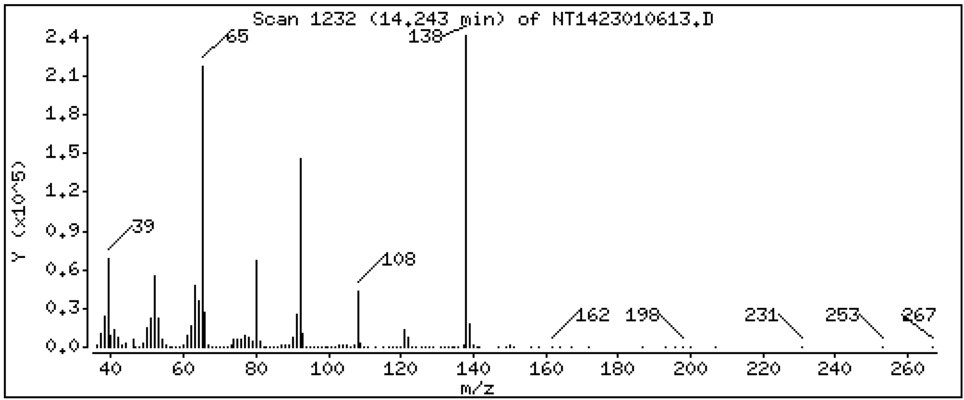
Operator: VTS

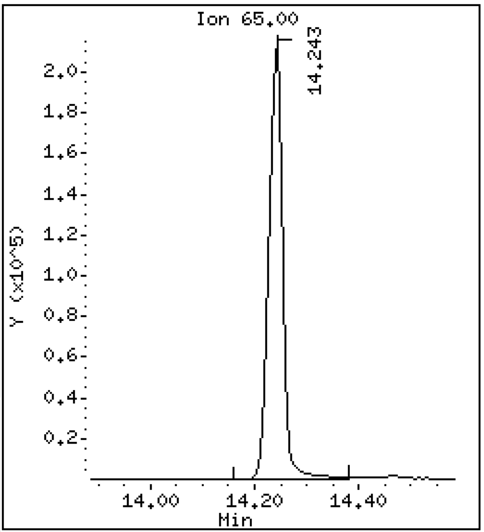
Column phase: ZB-5msi

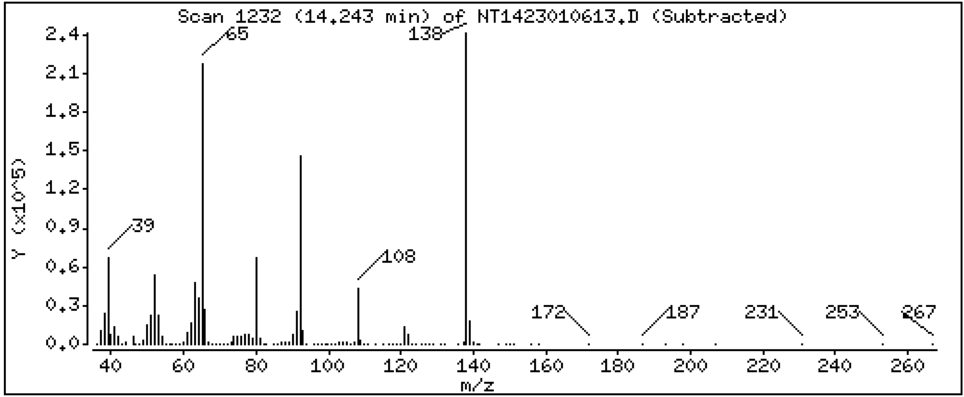
Column diameter: 0.25

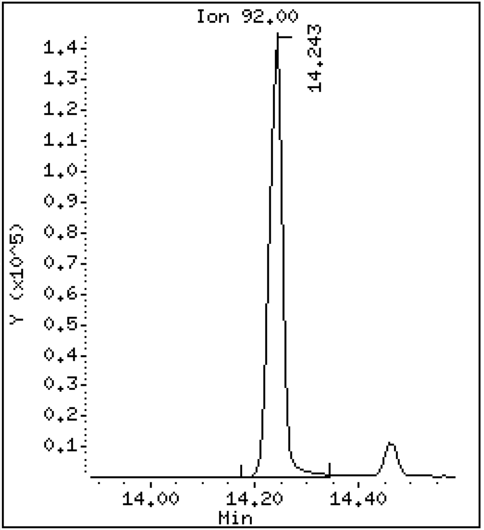
38 2-Nitroaniline

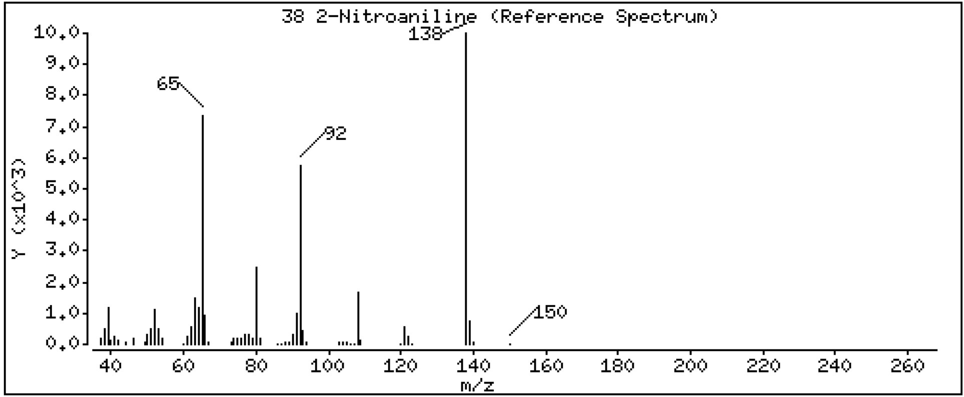
Concentration: 21.17 ug/mL

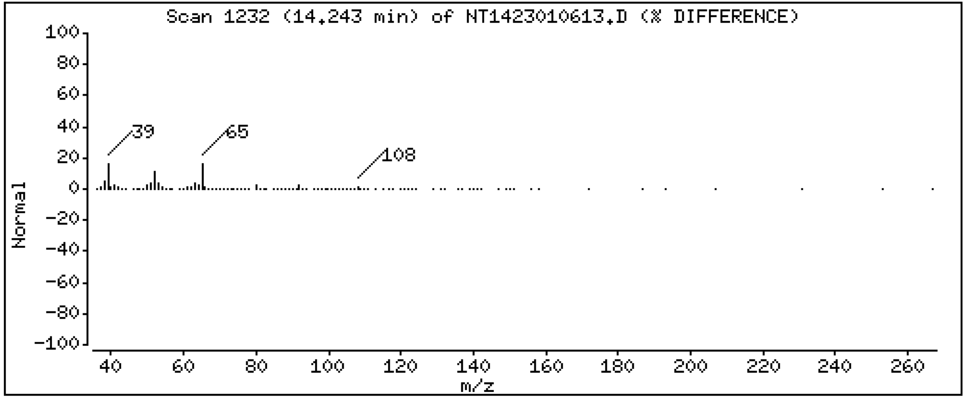


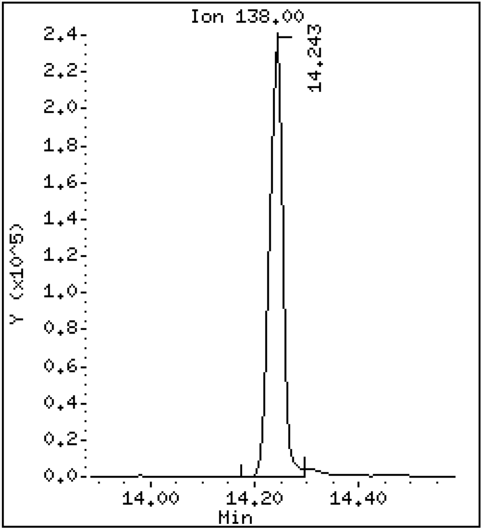












Data File: \\target\share\chem3\nt14.i\20230106.b\NT1423010613.D

Date : 06-JAN-2023 18:50

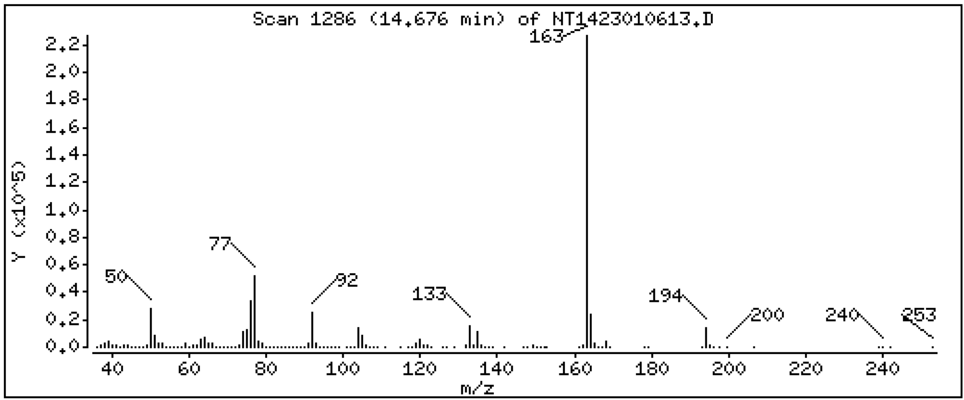
Client ID: Instrument: nt14.i

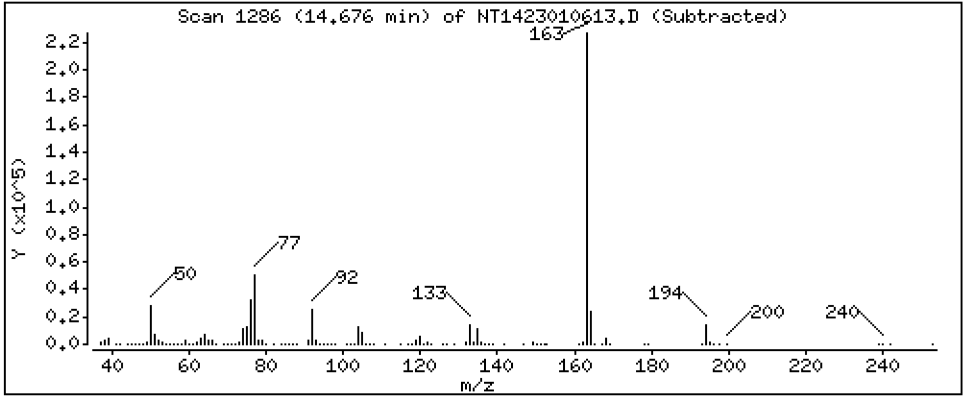
Sample Info: BKL0585-BSD1

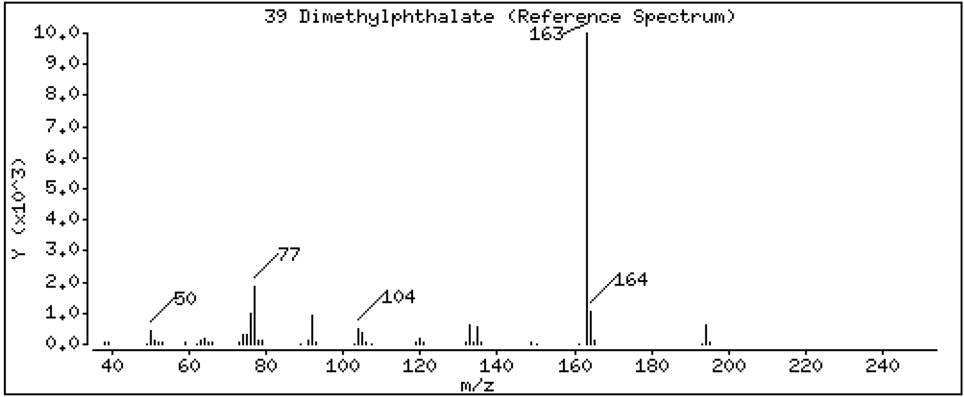
Operator: VTS

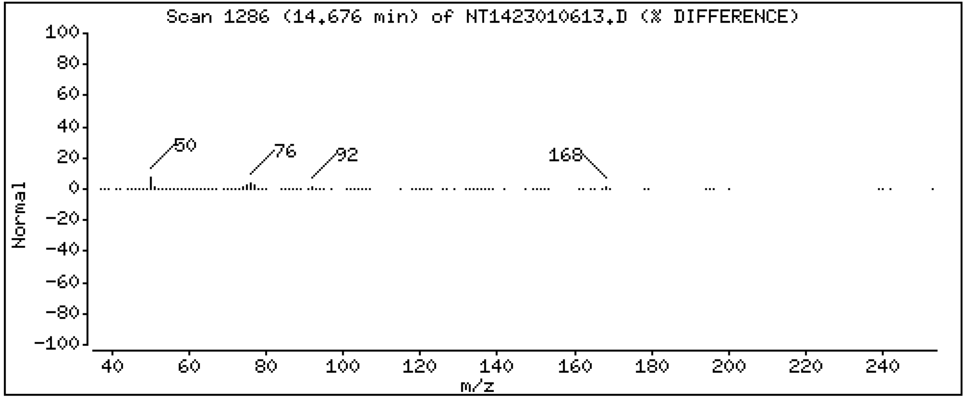
Column phase: ZB-5msi Column diameter: 0.25

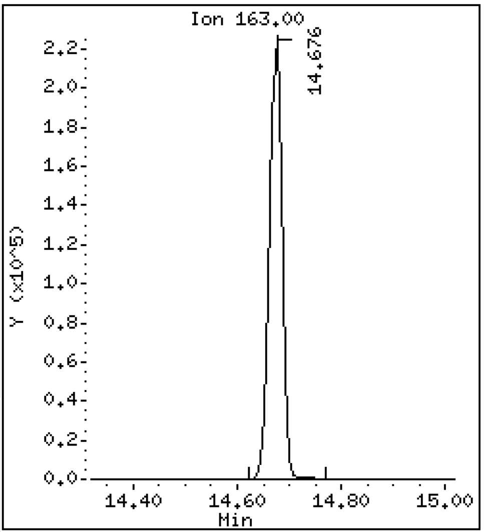
39 Dimethylphthalate Concentration: 5.325 ug/mL

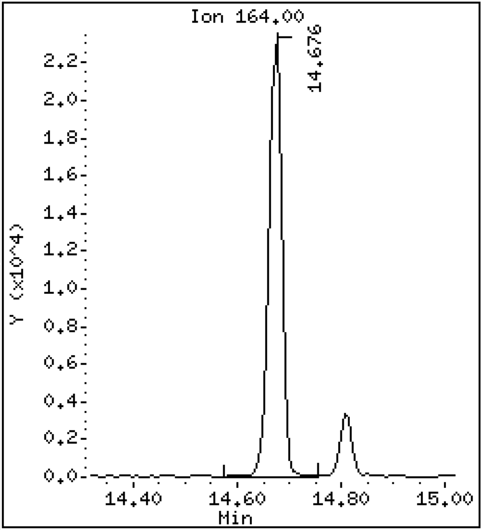

Scan 1286 (14.676 min) of NT1423010613.D

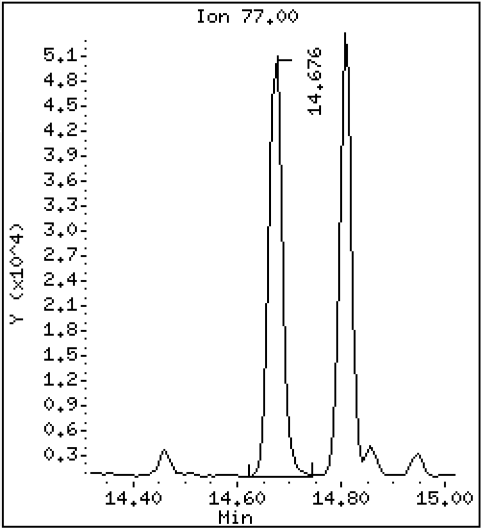

Scan 1286 (14.676 min) of NT1423010613.D (Subtracted)


39 Dimethylphthalate (Reference Spectrum)


Scan 1286 (14.676 min) of NT1423010613.D (% DIFFERENCE)


Ion 163.00


Ion 164.00


Ion 77.00

Data File: \\target\share\chem3\nt14.i\20230106.b\NT1423010613.D

Date : 06-JAN-2023 18:50

Client ID:

Instrument: nt14.i

Sample Info: BKL0585-BSD1

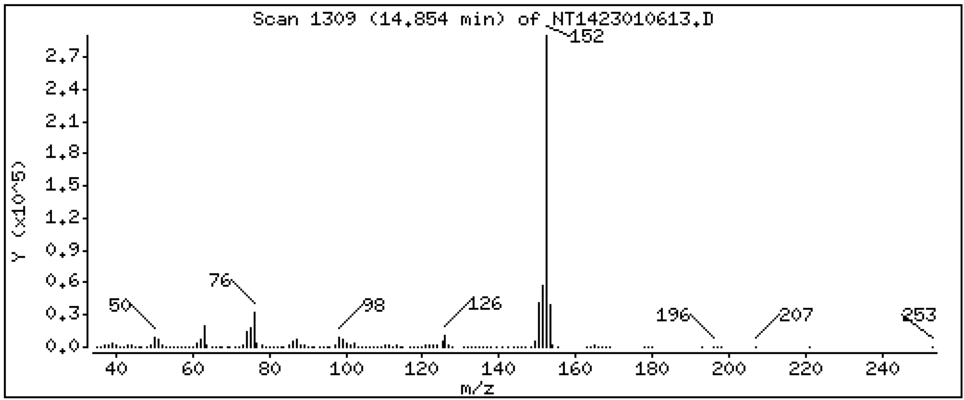
Operator: VTS

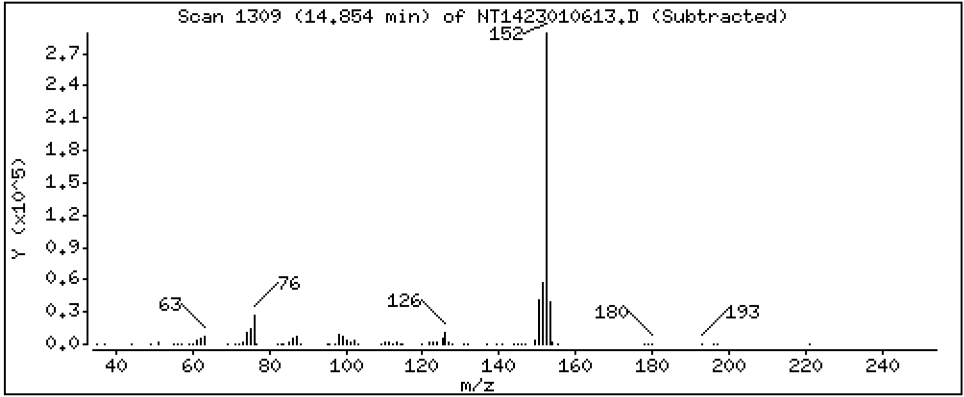
Column phase: ZB-5msi

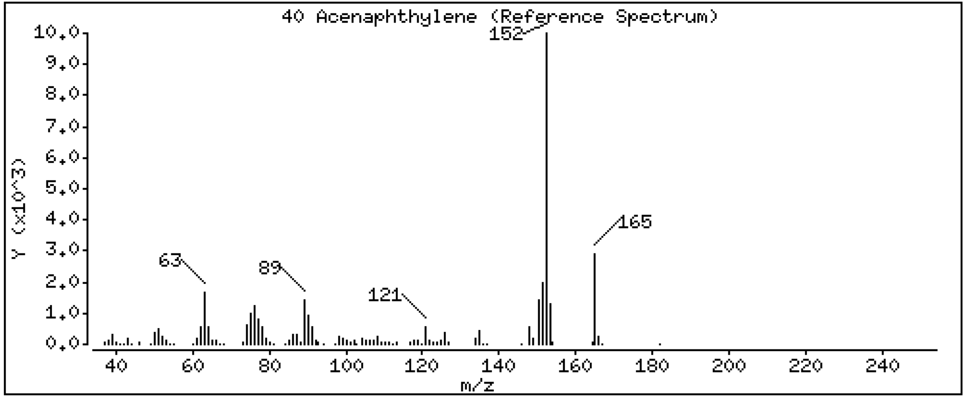
Column diameter: 0.25

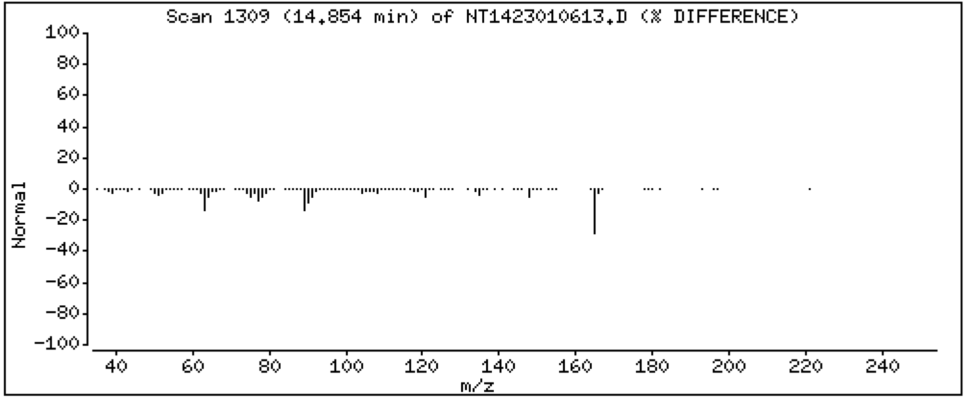
40 Acenaphthylene

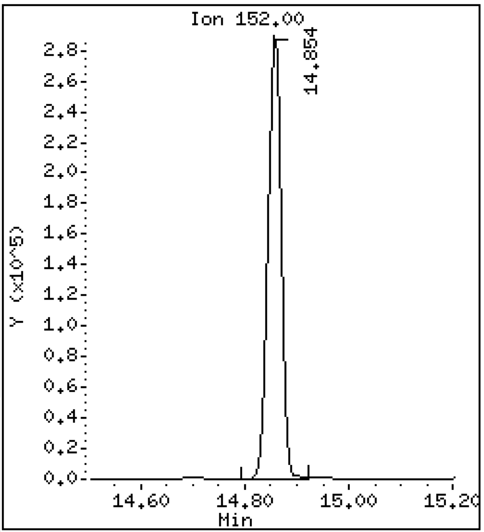
Concentration: 4.668 ug/mL

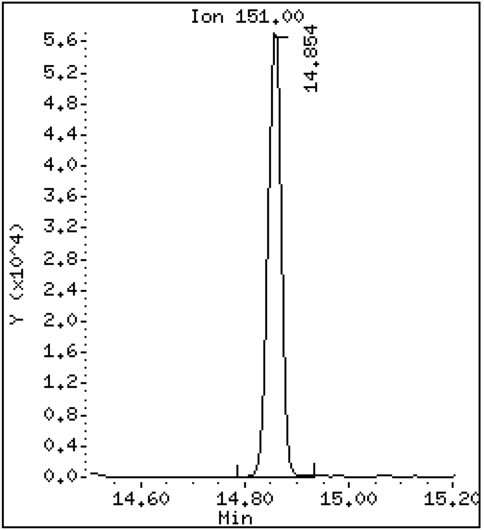

Scan 1309 (14.854 min) of NT1423010613.D

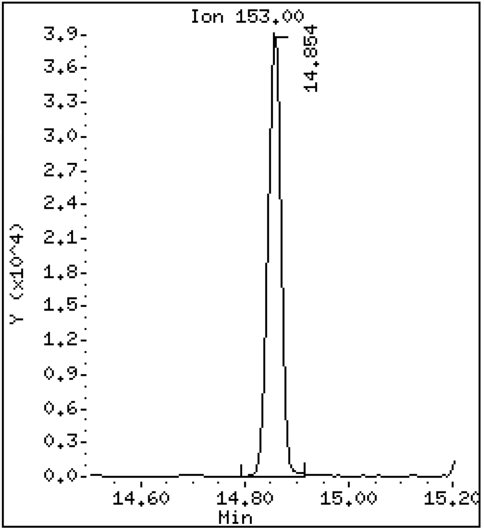

Scan 1309 (14.854 min) of NT1423010613.D (Subtracted)


40 Acenaphthylene (Reference Spectrum)


Scan 1309 (14.854 min) of NT1423010613.D (% DIFFERENCE)


Ion 152.00


Ion 151.00


Ion 153.00

Data File: \\target\share\chem3\nt14.i\20230106.b\NT1423010613.D

Date : 06-JAN-2023 18:50

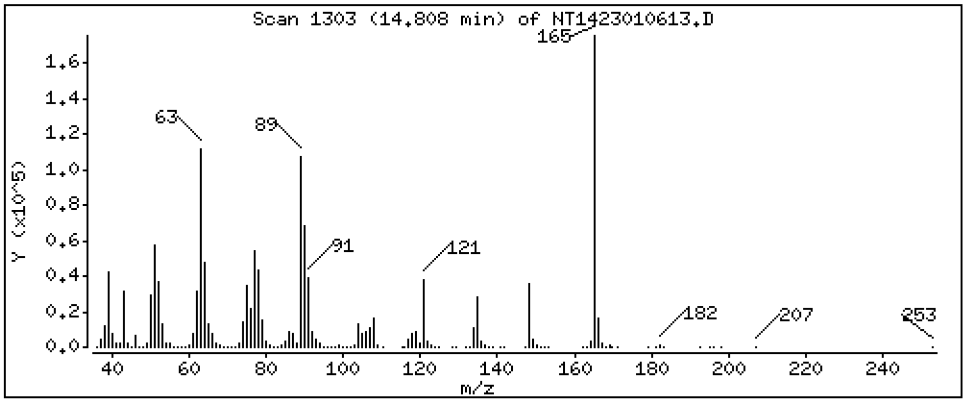
Client ID: Instrument: nt14.i

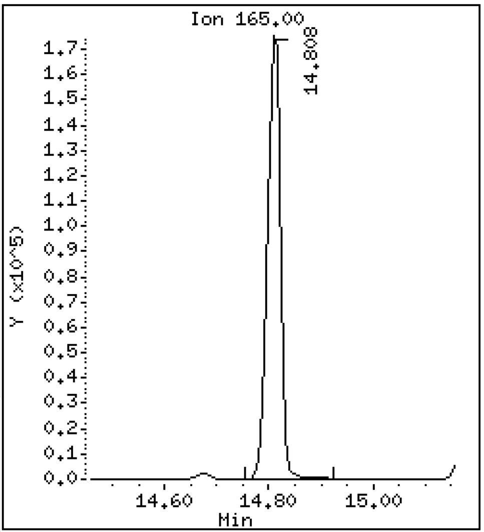
Sample Info: BKL0585-BSD1

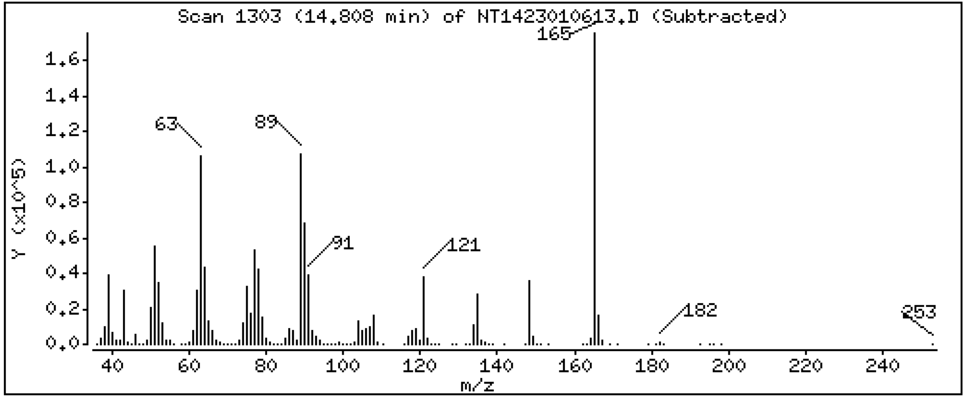
Operator: VTS

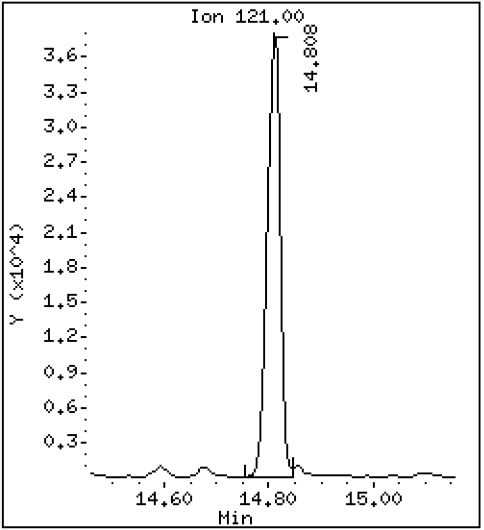
Column phase: ZB-5msi Column diameter: 0.25

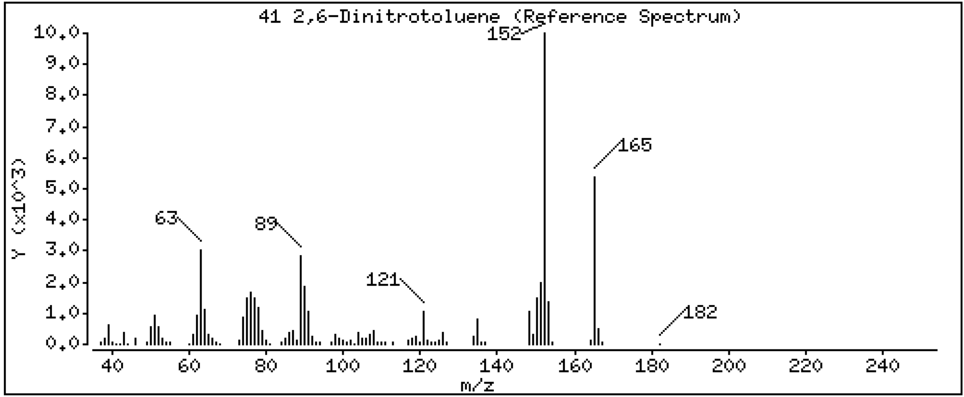
41 2,6-Dinitrotoluene Concentration: 18.97 ug/mL

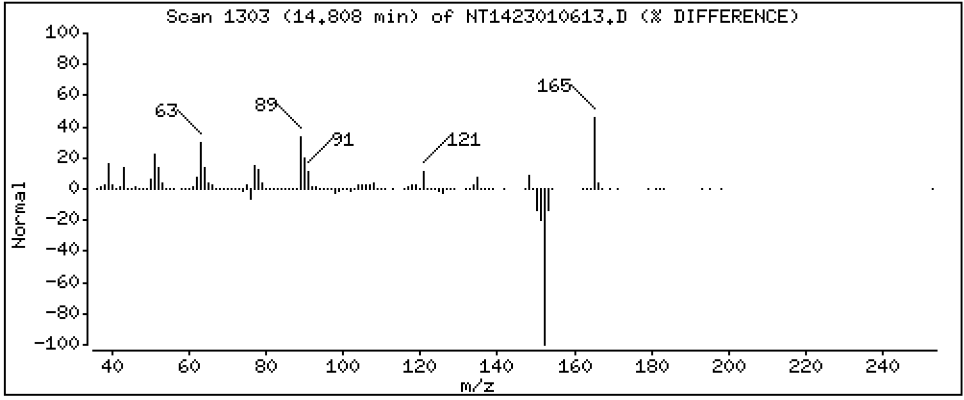

Scan 1303 (14.808 min) of NT1423010613.D

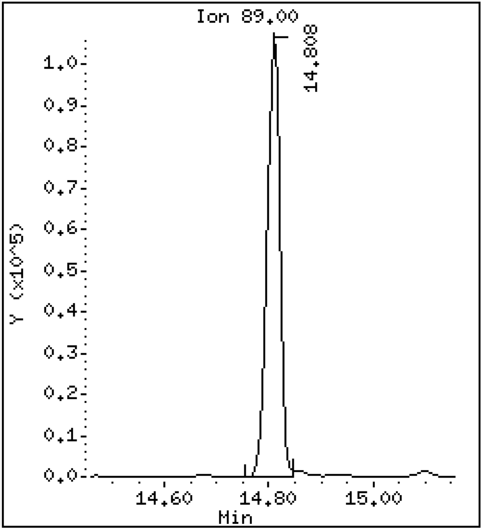

Ion 165.00


Scan 1303 (14.808 min) of NT1423010613.D (Subtracted)


Ion 121.00


41 2,6-Dinitrotoluene (Reference Spectrum)


Scan 1303 (14.808 min) of NT1423010613.D (% DIFFERENCE)


Ion 89.00

Data File: \\target\share\chem3\nt14.i\20230106.b\NT1423010613.D

Date : 06-JAN-2023 18:50

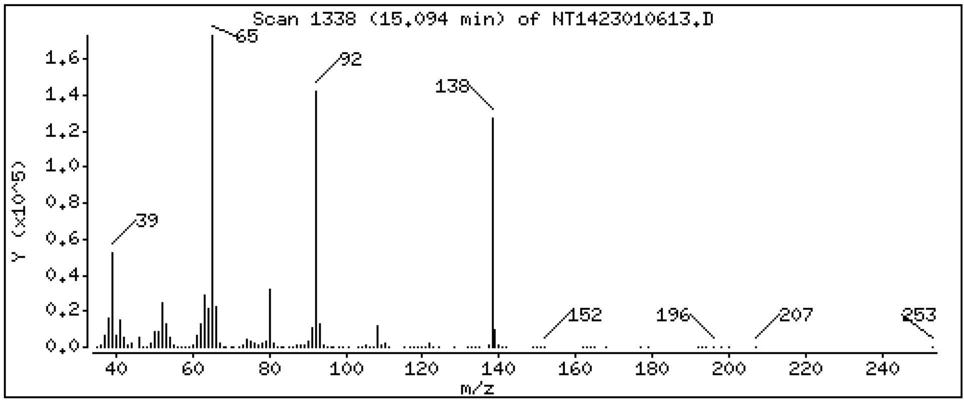
Client ID: Instrument: nt14.i

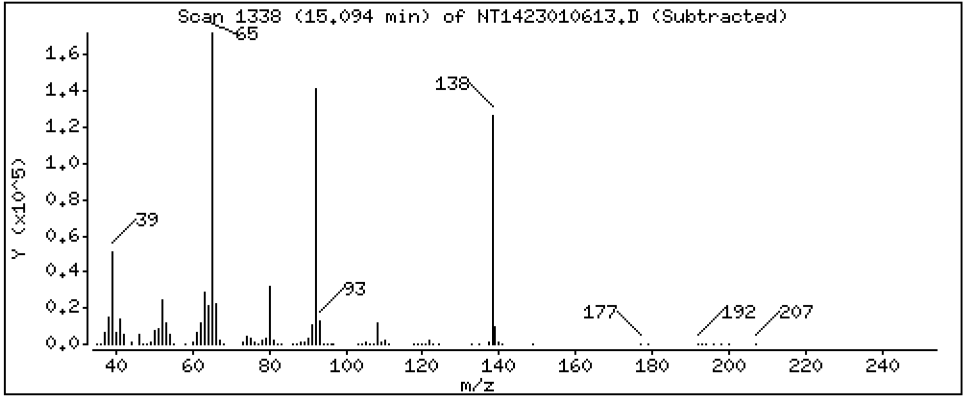
Sample Info: BKL0585-BSD1

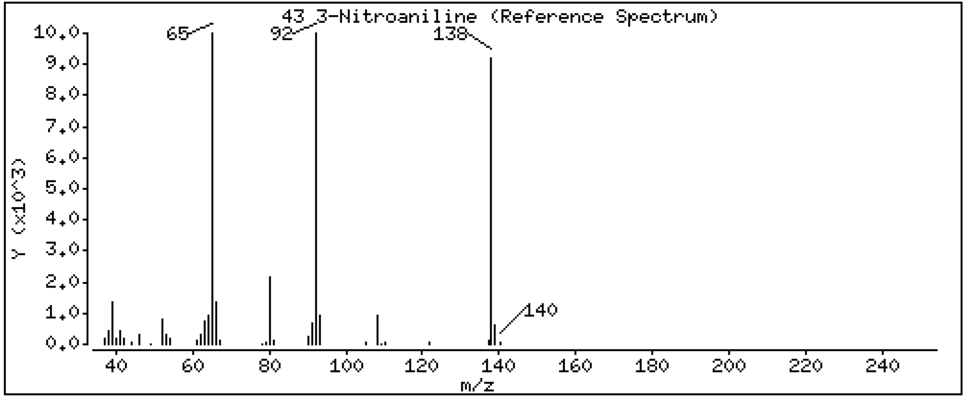
Operator: VTS

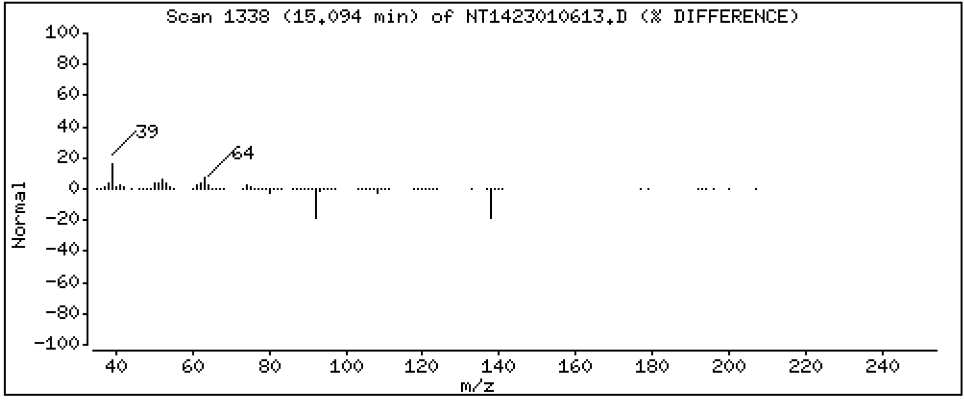
Column phase: ZB-5msi Column diameter: 0.25

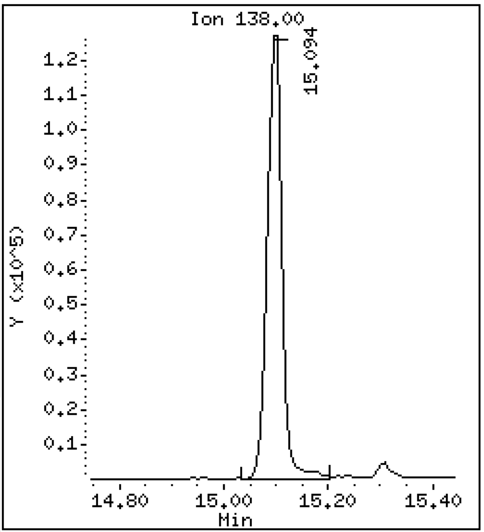
43 3-Nitroaniline Concentration: 12.91 ug/mL

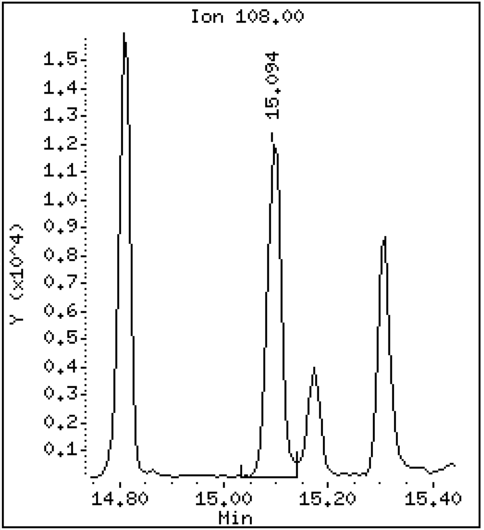

Scan 1338 (15.094 min) of NT1423010613.D

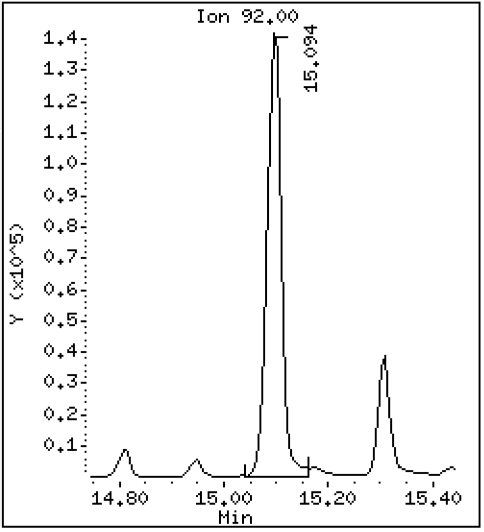

Scan 1338 (15.094 min) of NT1423010613.D (Subtracted)


43 3-Nitroaniline (Reference Spectrum)


Scan 1338 (15.094 min) of NT1423010613.D (% DIFFERENCE)


Ion 138.00


Ion 108.00


Ion 92.00

Data File: \\target\share\chem3\nt14.i\20230106.b\NT1423010613.D

Date : 06-JAN-2023 18:50

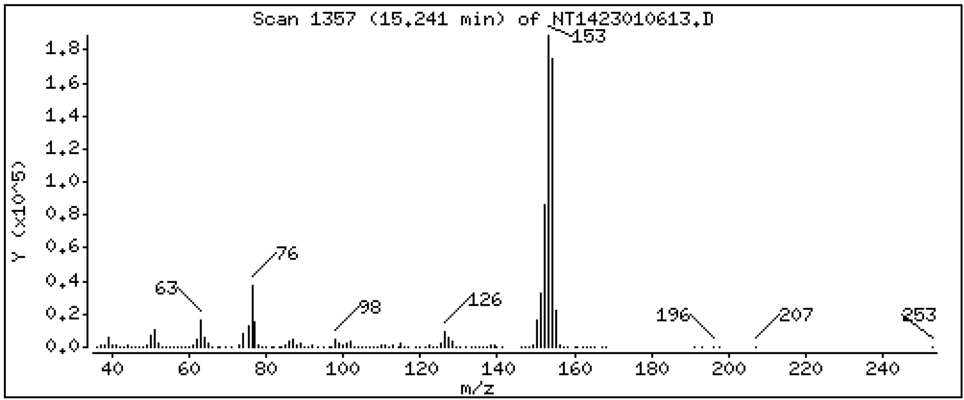
Client ID: Instrument: nt14.i

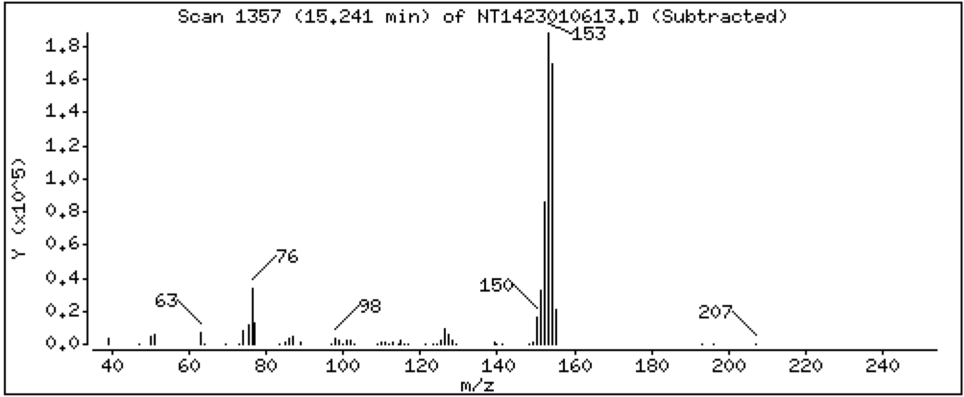
Sample Info: BKL0585-BSD1

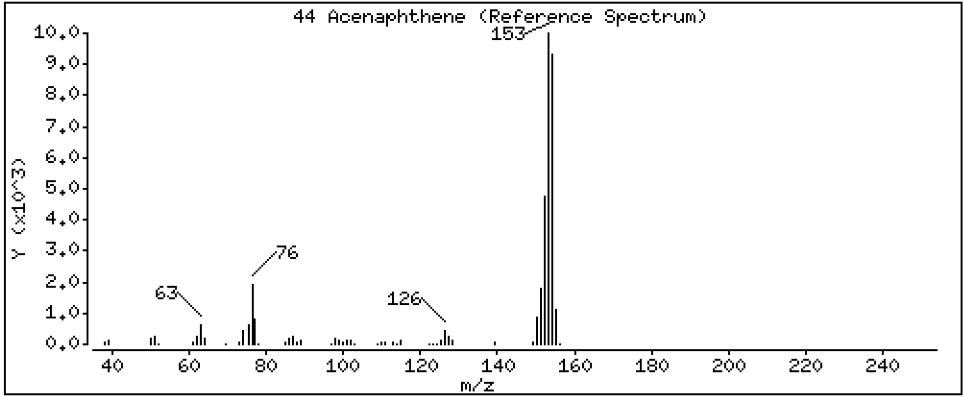
Operator: VTS

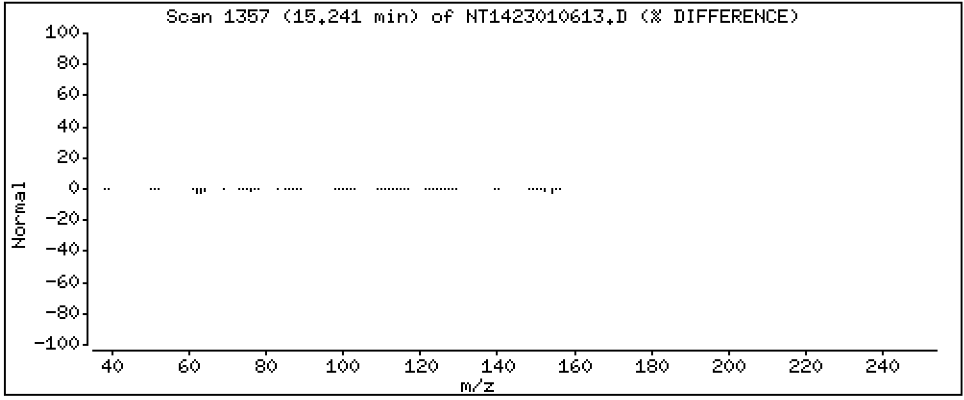
Column phase: ZB-5msi Column diameter: 0.25

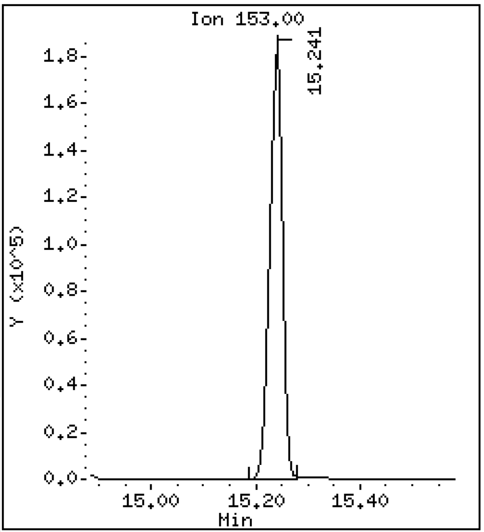
44 Acenaphthene Concentration: 4.605 ug/mL

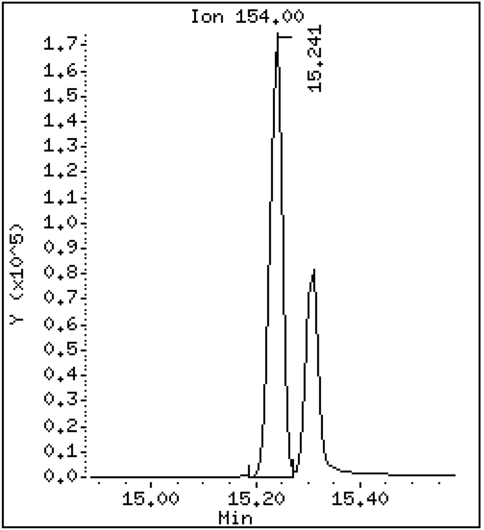

Scan 1357 (15.241 min) of NT1423010613.D

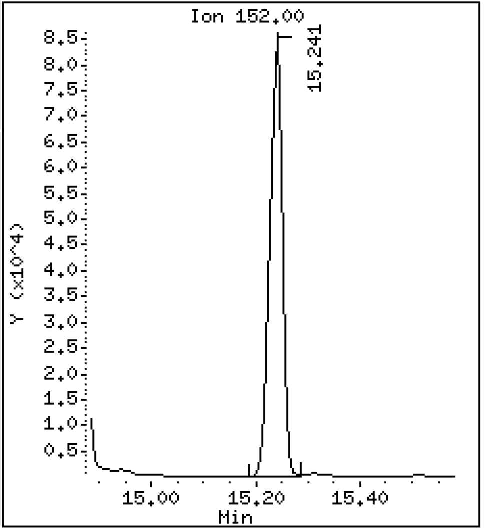

Scan 1357 (15.241 min) of NT1423010613.D (Subtracted)


44 Acenaphthene (Reference Spectrum)


Scan 1357 (15.241 min) of NT1423010613.D (% DIFFERENCE)


Ion 153.00


Ion 154.00


Ion 152.00

Date : 06-JAN-2023 18:50

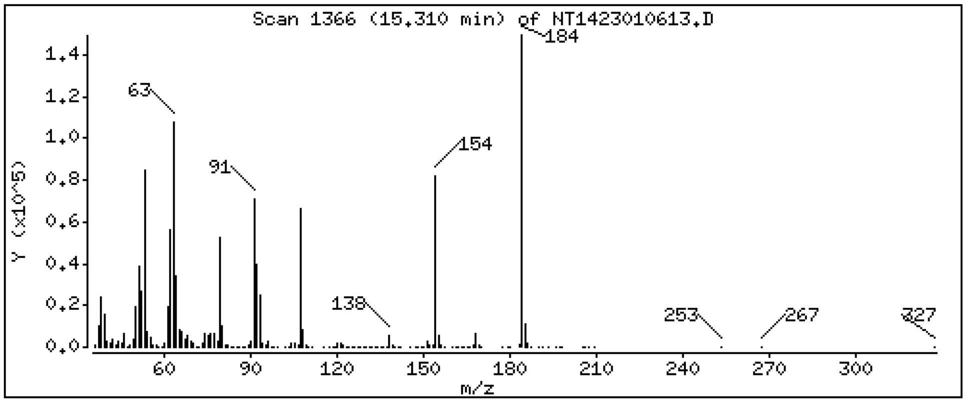
Client ID: Instrument: nt14.i

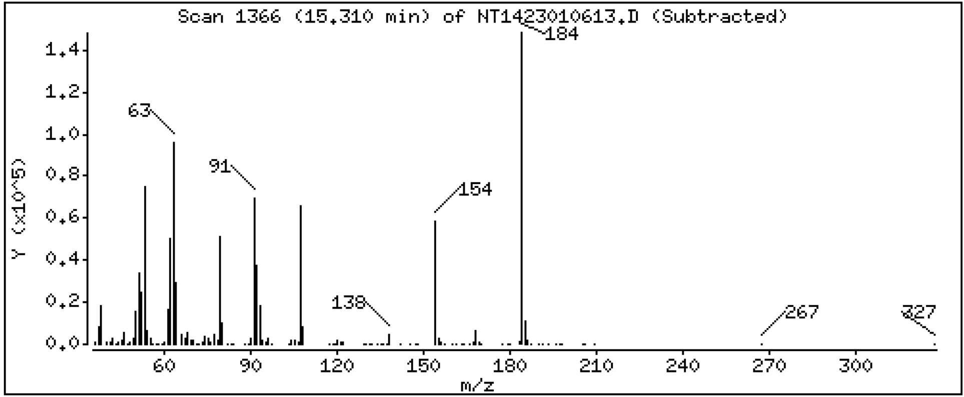
Sample Info: BKL0585-BSD1

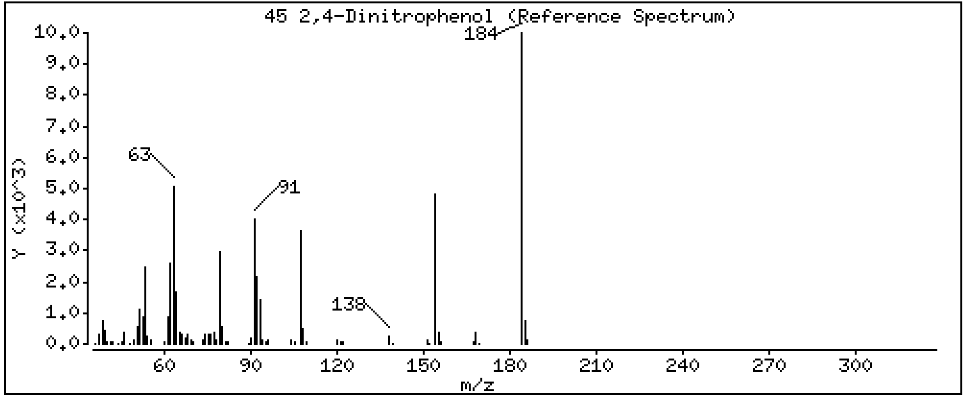
Operator: VTS

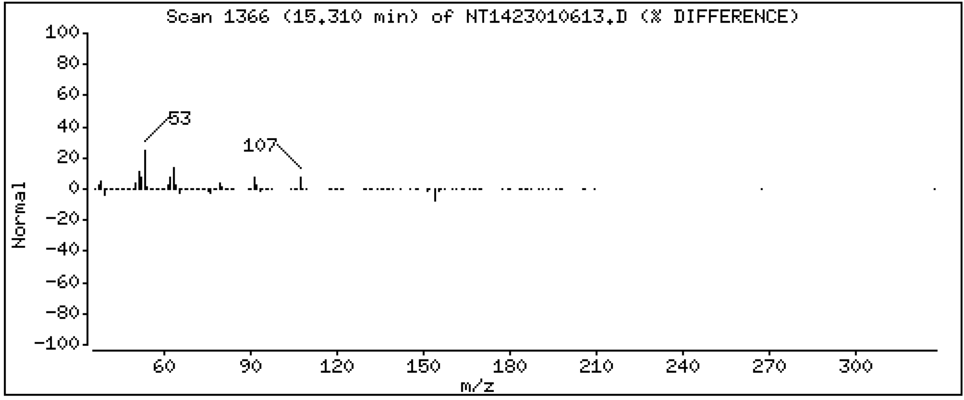
Column phase: ZB-5msi Column diameter: 0.25

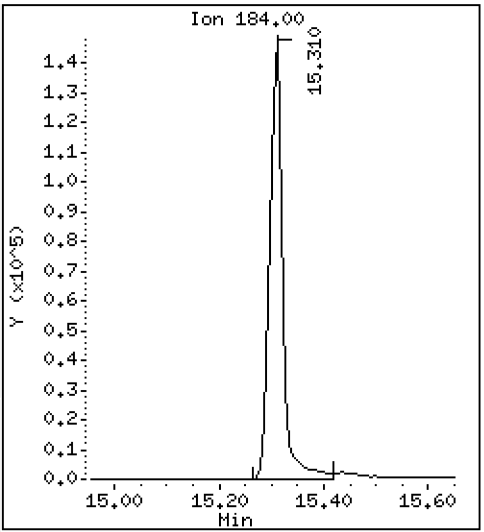
45 2,4-Dinitrophenol Concentration: 18.19 ug/mL

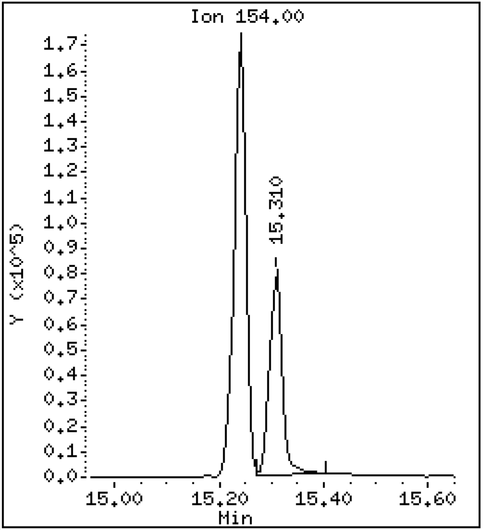

Scan 1366 (15.310 min) of NT1423010613.D

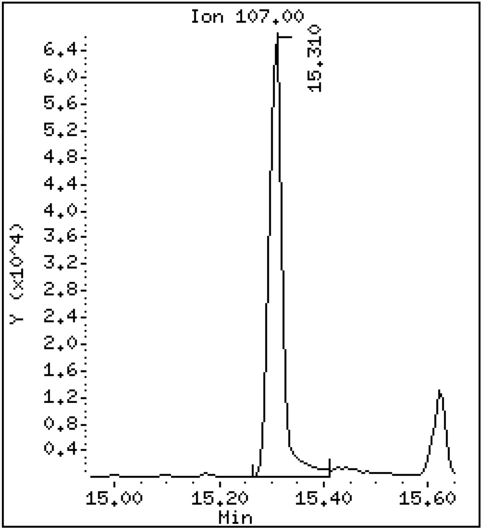

Scan 1366 (15.310 min) of NT1423010613.D (Subtracted)


45 2,4-Dinitrophenol (Reference Spectrum)


Scan 1366 (15.310 min) of NT1423010613.D (% DIFFERENCE)


Ion 184.00


Ion 154.00


Ion 107.00

Data File: \\target\share\chem3\nt14.i\20230106.b\NT1423010613.D

Date : 06-JAN-2023 18:50

Client ID:

Instrument: nt14.i

Sample Info: BKL0585-BSD1

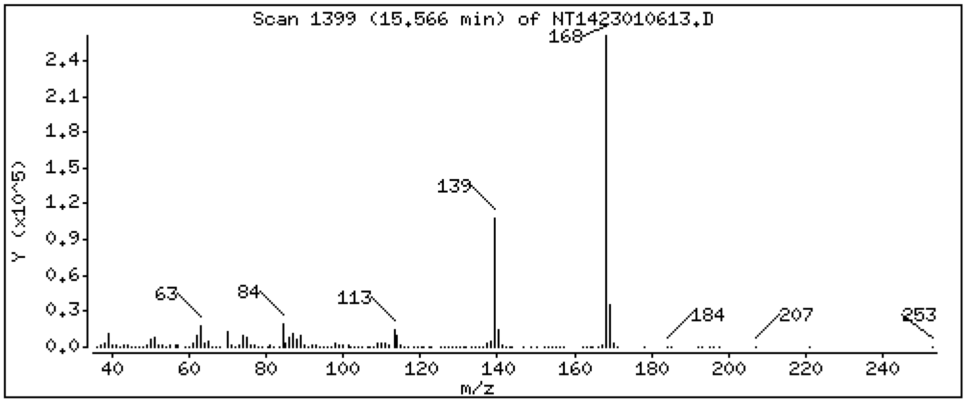
Operator: VTS

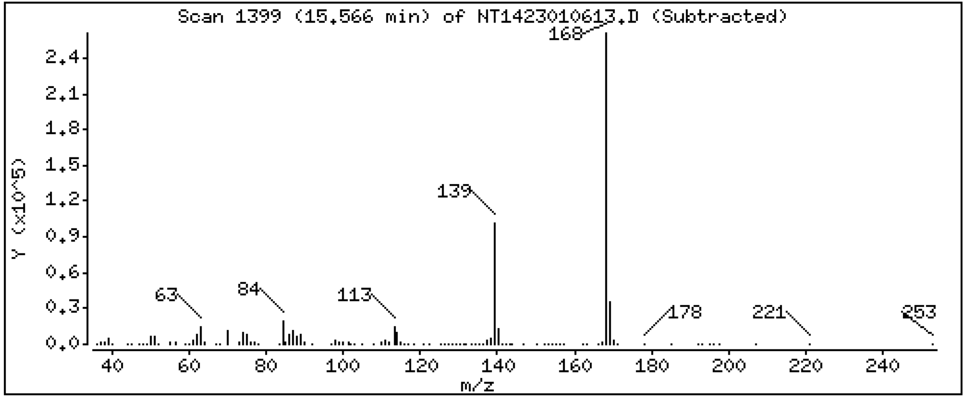
Column phase: ZB-5msi

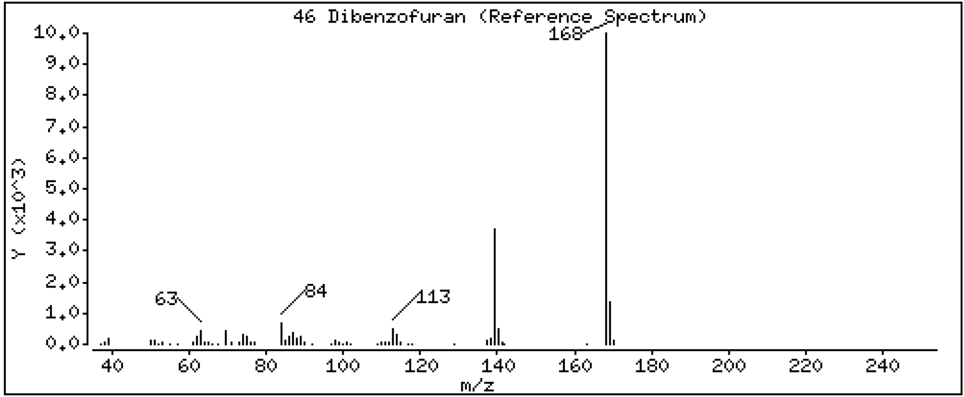
Column diameter: 0.25

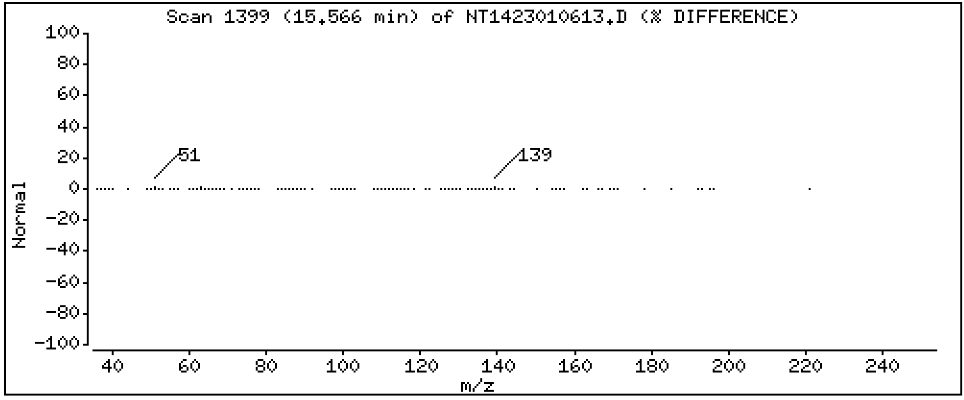
46 Dibenzofuran

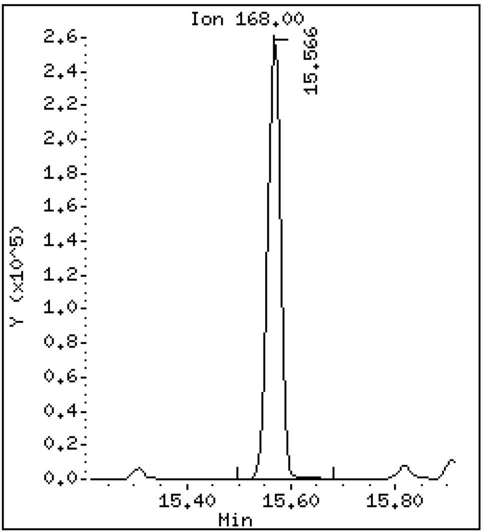
Concentration: 4.377 ug/mL

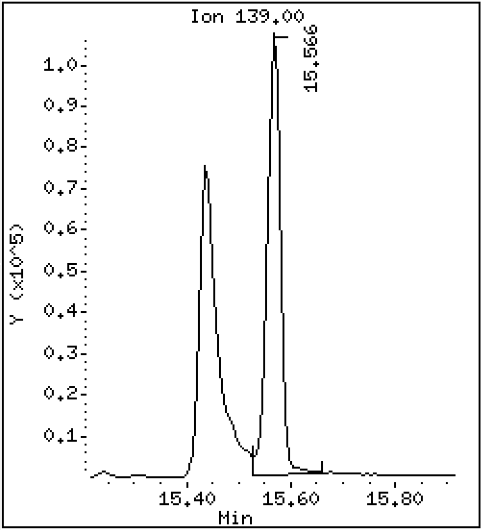

Scan 1399 (15.566 min) of NT1423010613.D

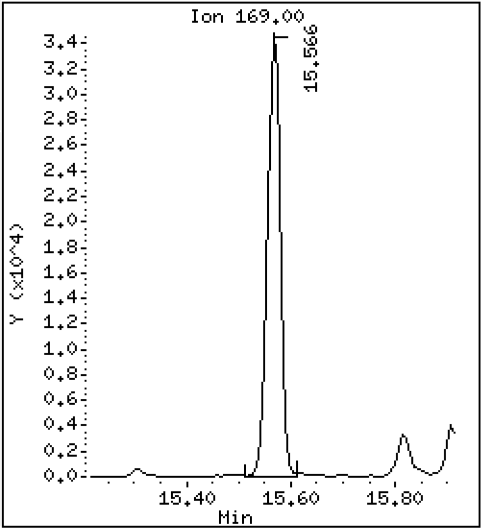

Scan 1399 (15.566 min) of NT1423010613.D (Subtracted)


46 Dibenzofuran (Reference Spectrum)


Scan 1399 (15.566 min) of NT1423010613.D (% DIFFERENCE)


Ion 168.00


Ion 139.00


Ion 169.00

Data File: \\target\share\chem3\nt14.i\20230106.b\NT1423010613.D

Date : 06-JAN-2023 18:50

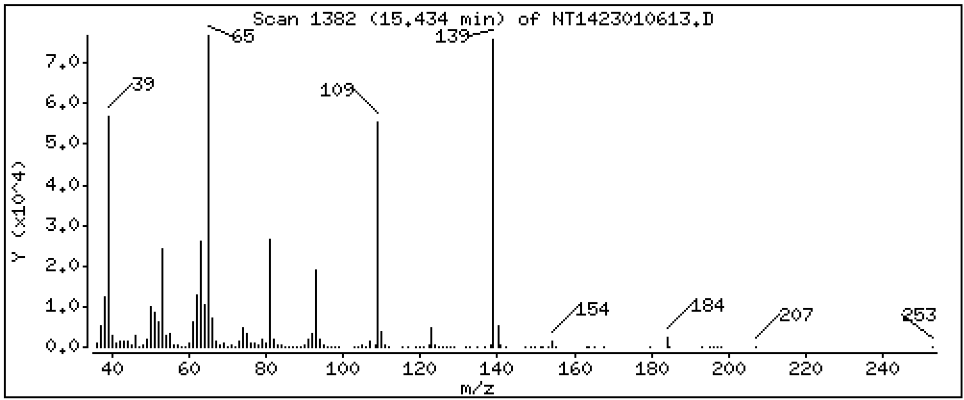
Client ID: Instrument: nt14.i

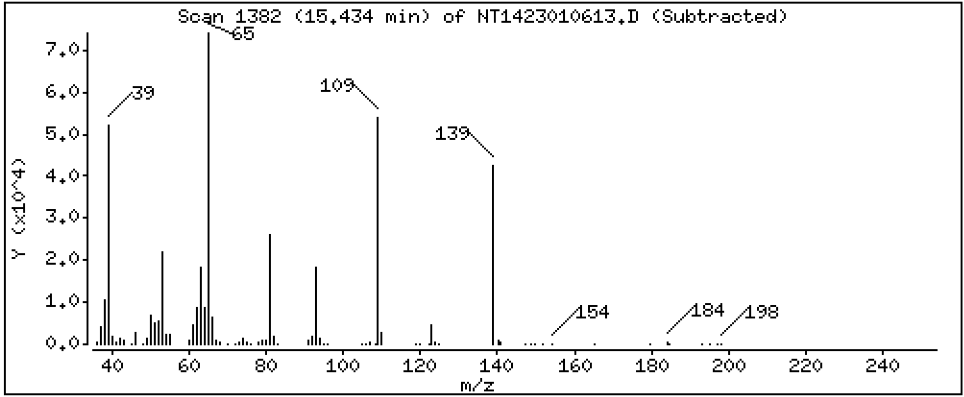
Sample Info: BKL0585-BSD1

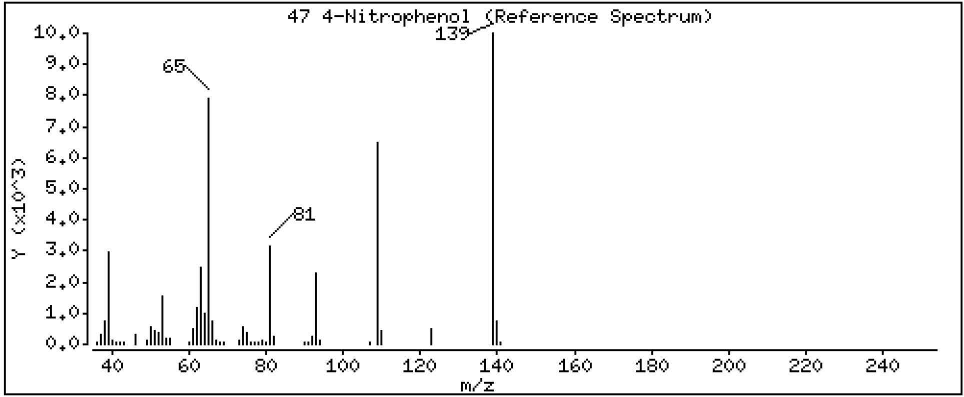
Operator: VTS

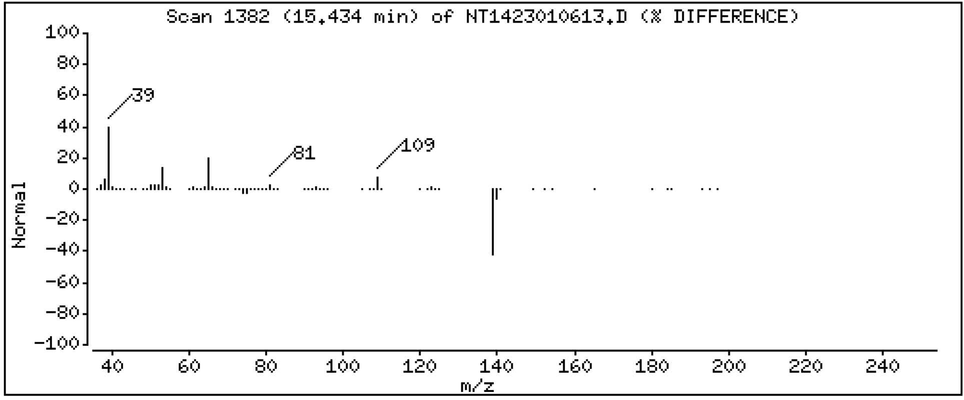
Column phase: ZB-5msi Column diameter: 0.25

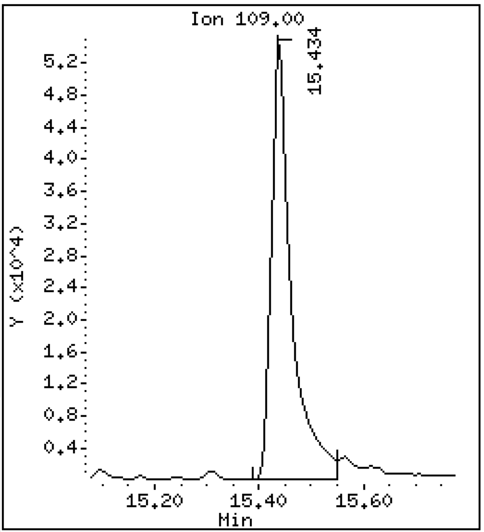
47 4-Nitrophenol Concentration: 15.84 ug/mL

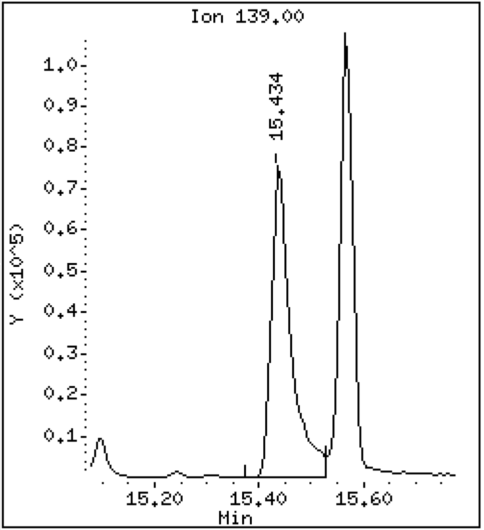

Scan 1382 (15.434 min) of NT1423010613.D

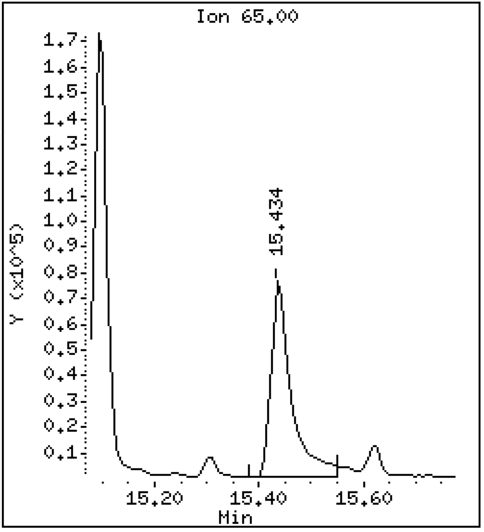

Scan 1382 (15.434 min) of NT1423010613.D (Subtracted)


47 4-Nitrophenol (Reference Spectrum)


Scan 1382 (15.434 min) of NT1423010613.D (% DIFFERENCE)


Ion 109.00


Ion 139.00


Ion 65.00

Data File: \\target\share\chem3\nt14.i\20230106.b\NT1423010613.D

Date : 06-JAN-2023 18:50

Client ID:

Instrument: nt14.i

Sample Info: BKL0585-BSD1

Operator: VTS

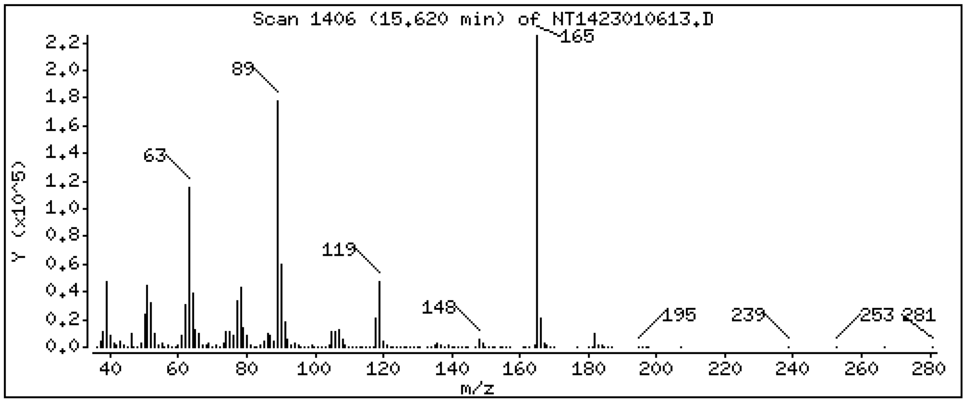
Column phase: ZB-5msi

Column diameter: 0.25

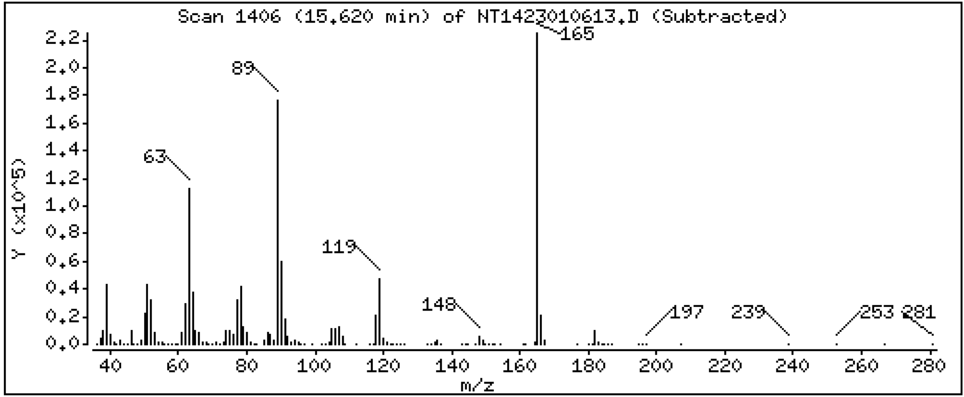
48 2,4-Dinitrotoluene

Concentration: 17.77 ug/mL

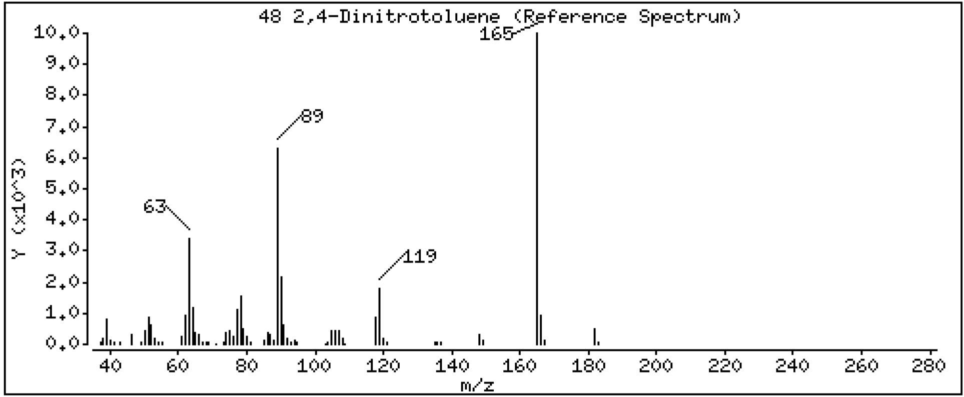
Scan 1406 (15.620 min) of NT1423010613.D



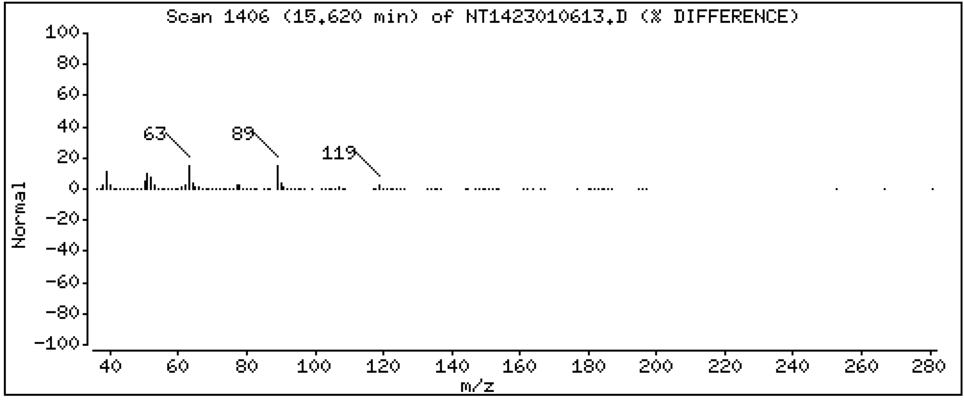
Scan 1406 (15.620 min) of NT1423010613.D (Subtracted)



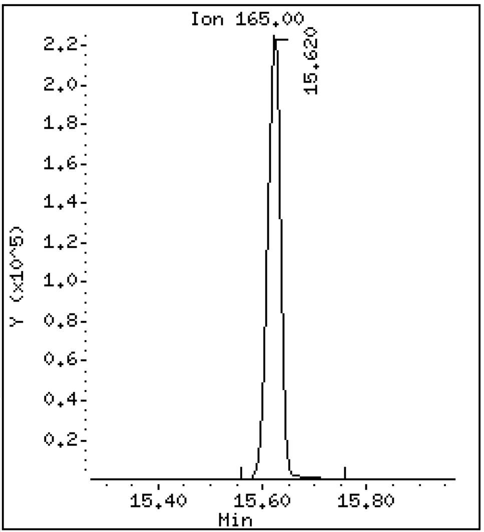
48 2,4-Dinitrotoluene (Reference Spectrum)



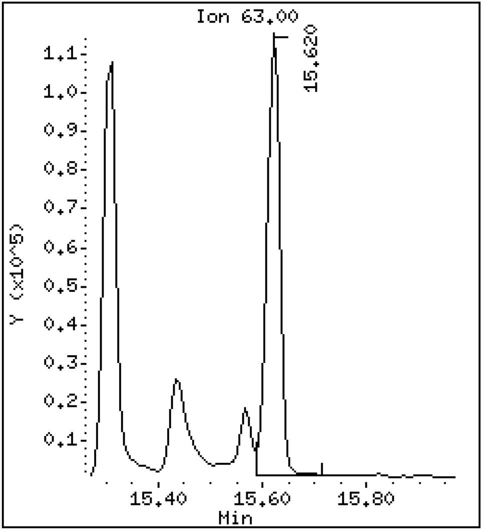
Scan 1406 (15.620 min) of NT1423010613.D (% DIFFERENCE)



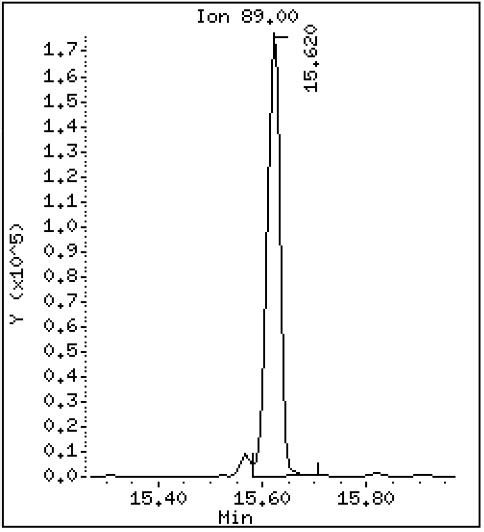
Ion 165.00



Ion 63.00



Ion 89.00



Data File: \\target\share\chem3\nt14.i\20230106.b\NT1423010613.D

Date : 06-JAN-2023 18:50

Client ID:

Instrument: nt14.i

Sample Info: BKL0585-BSD1

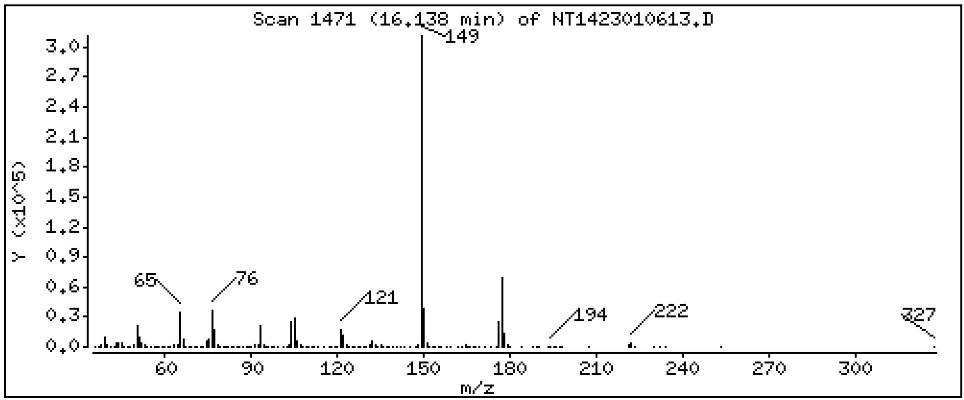
Operator: VTS

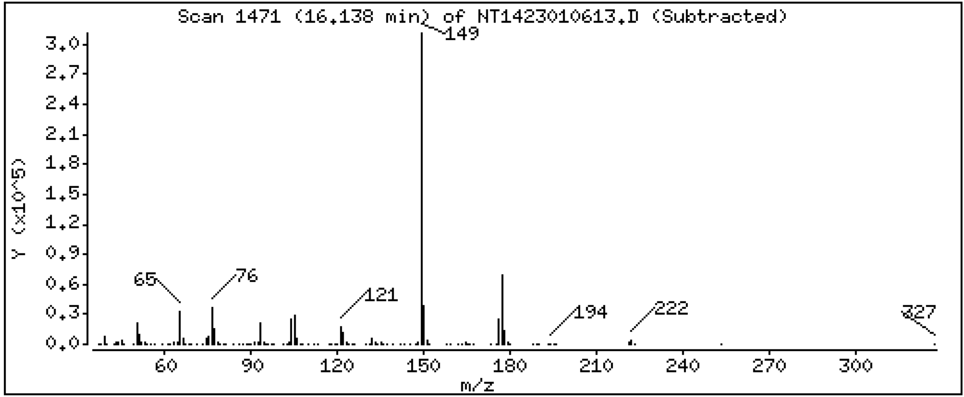
Column phase: ZB-5msi

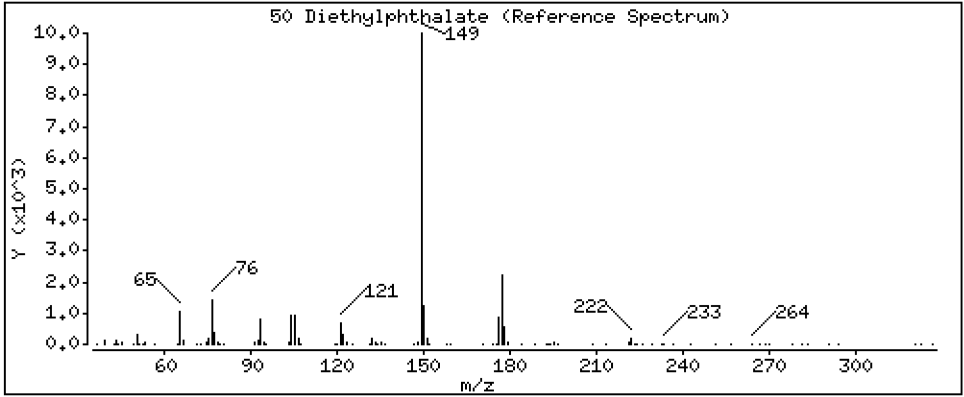
Column diameter: 0.25

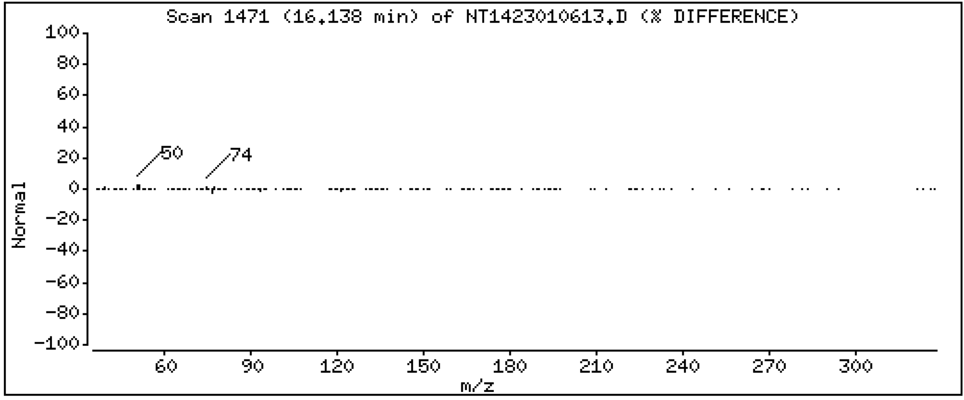
50 Diethylphthalate

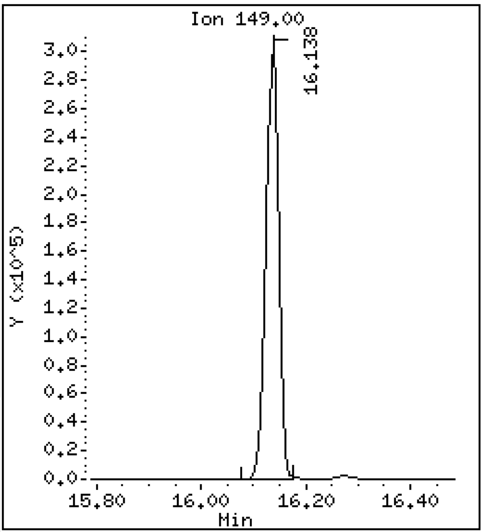
Concentration: 5.296 ug/mL

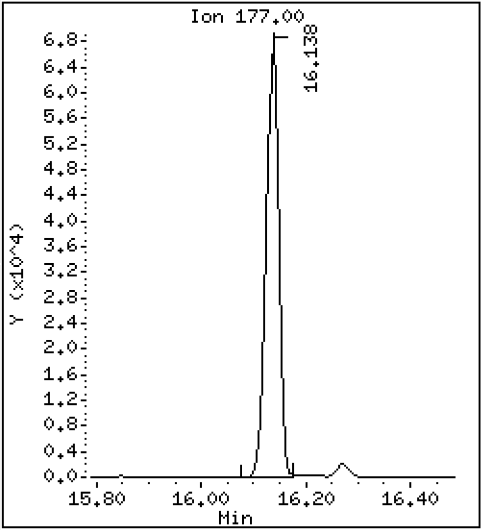

Scan 1471 (16.138 min) of NT1423010613.D

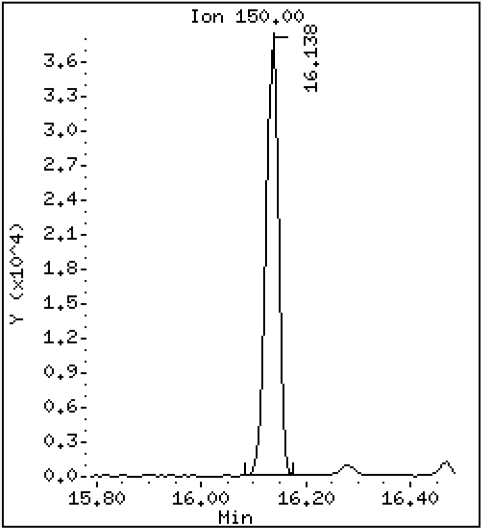

Scan 1471 (16.138 min) of NT1423010613.D (Subtracted)


50 Diethylphthalate (Reference Spectrum)


Scan 1471 (16.138 min) of NT1423010613.D (% DIFFERENCE)


Ion 149.00


Ion 177.00


Ion 150.00

Data File: \\target\share\chem3\nt14.i\20230106.b\NT1423010613.D

Date : 06-JAN-2023 18:50

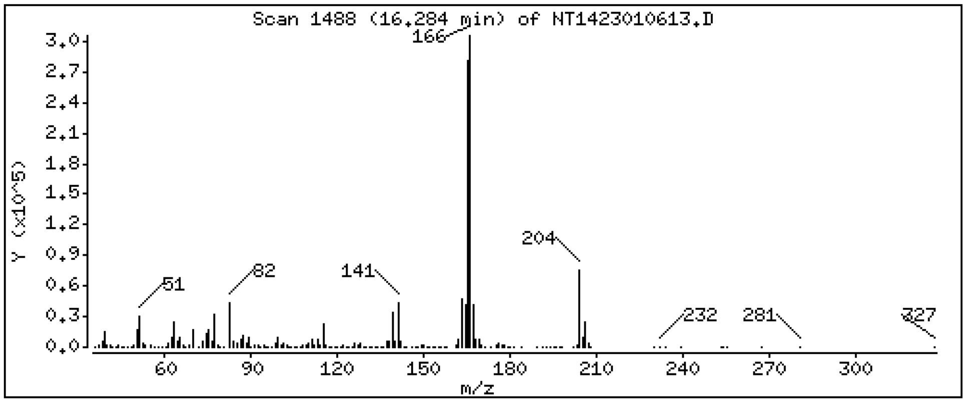
Client ID: Instrument: nt14.i

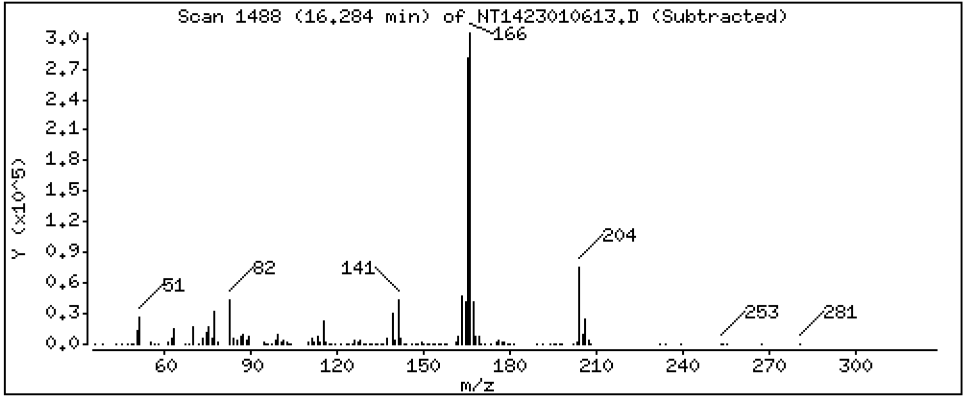
Sample Info: BKL0585-BSD1

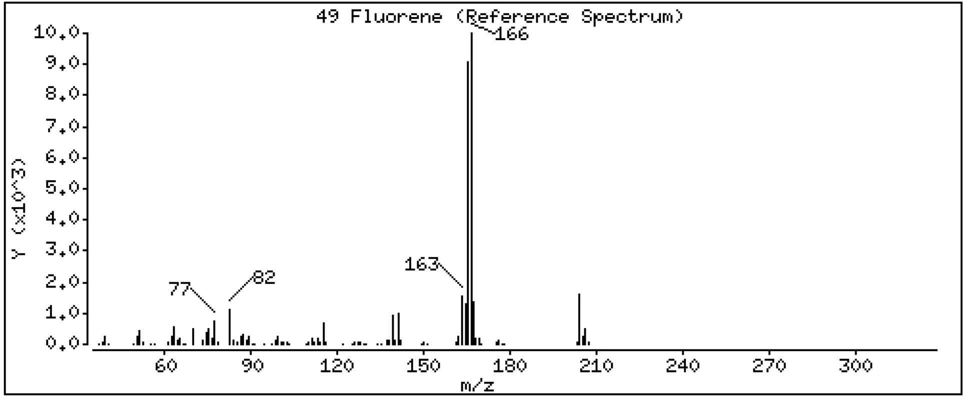
Operator: VTS

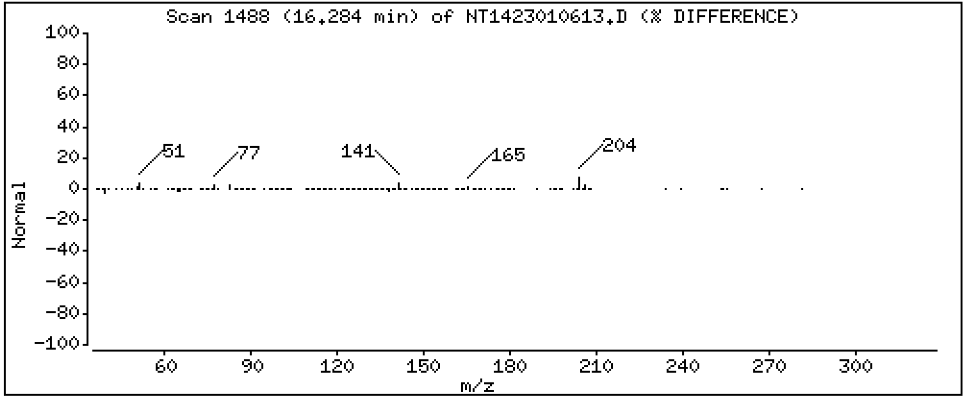
Column phase: ZB-5msi Column diameter: 0.25

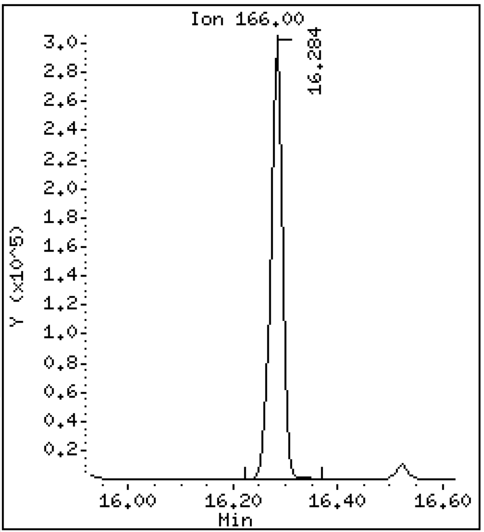
49 Fluorene Concentration: 4.606 ug/mL

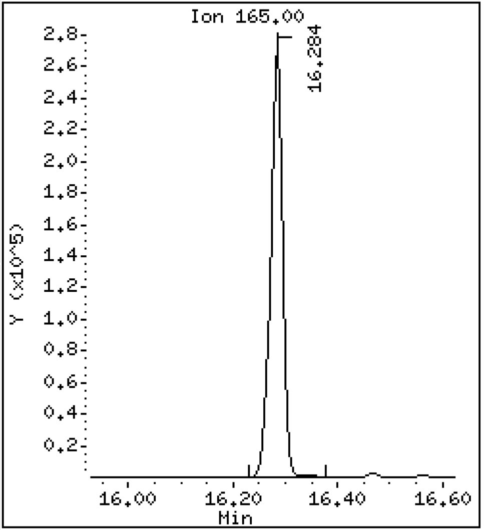


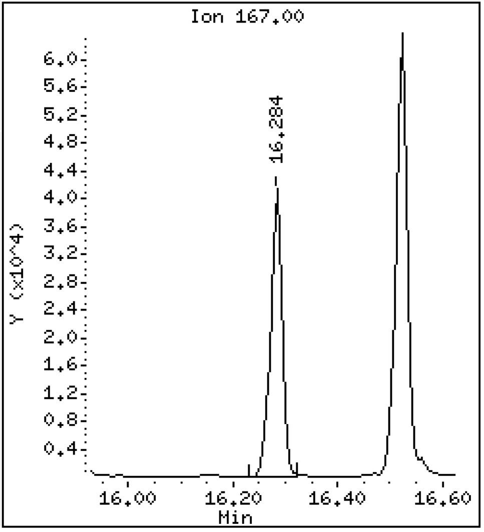












Data File: \\target\share\chem3\nt14.i\20230106.b\NT1423010613.D

Date : 06-JAN-2023 18:50

Client ID:

Instrument: nt14.i

Sample Info: BKL0585-BSD1

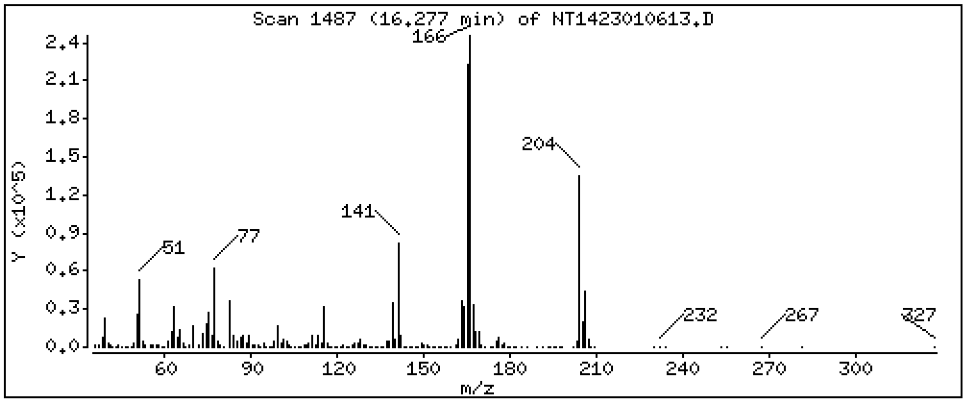
Operator: VTS

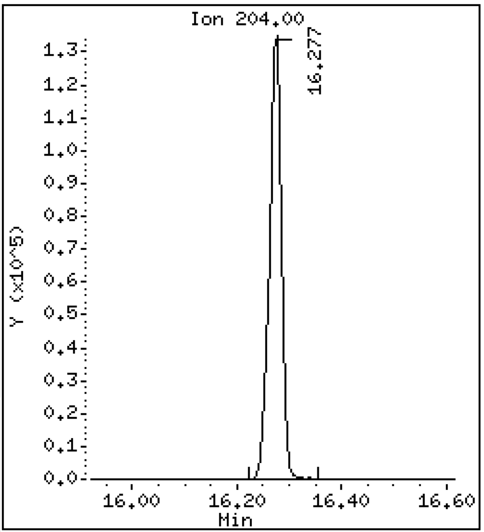
Column phase: ZB-5msi

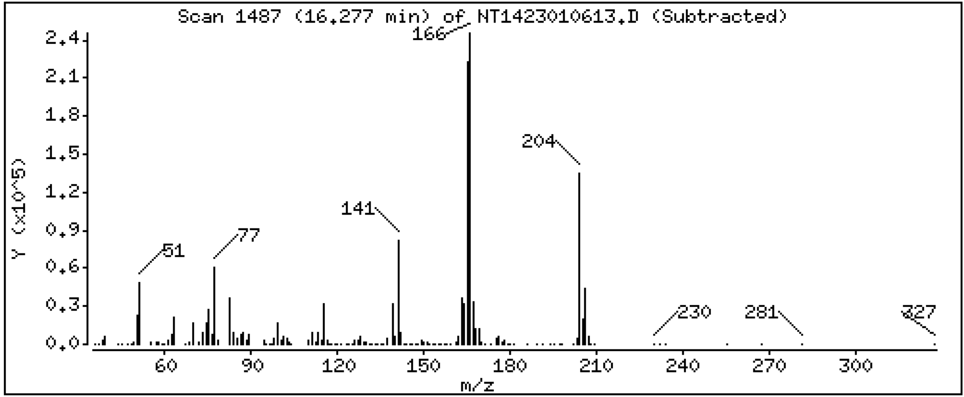
Column diameter: 0.25

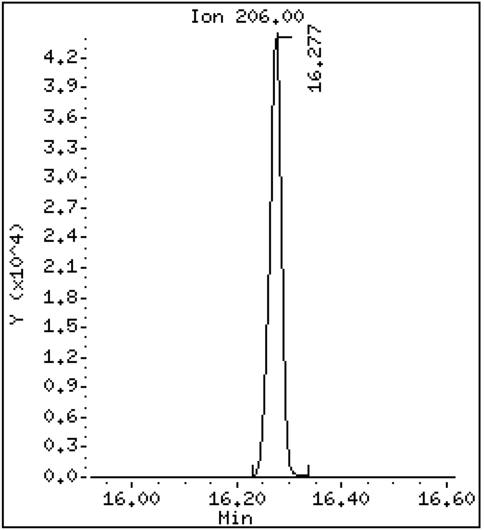
51 4-Chlorophenyl-phenylether

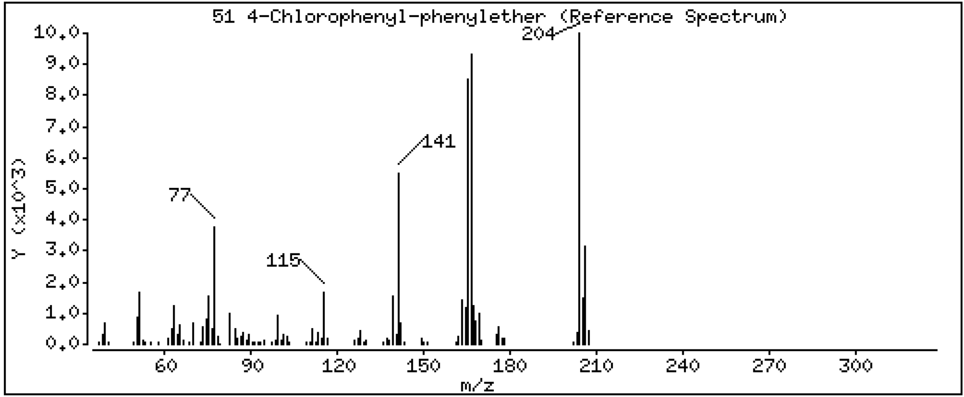
Concentration: 4.277 ug/mL

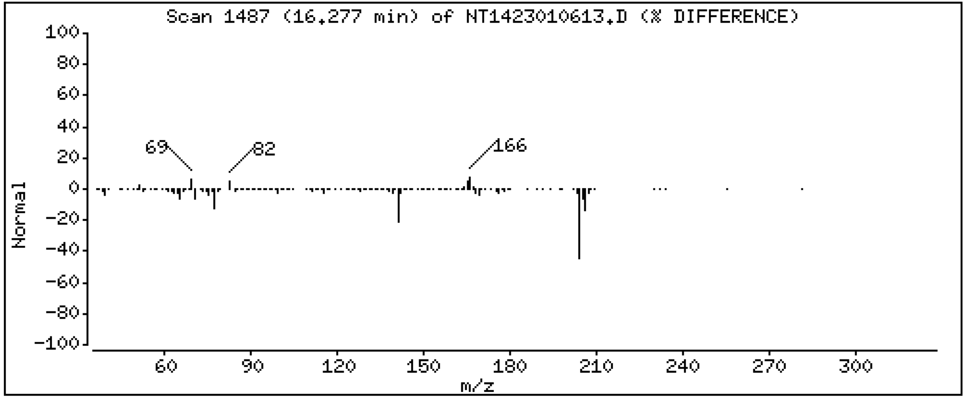


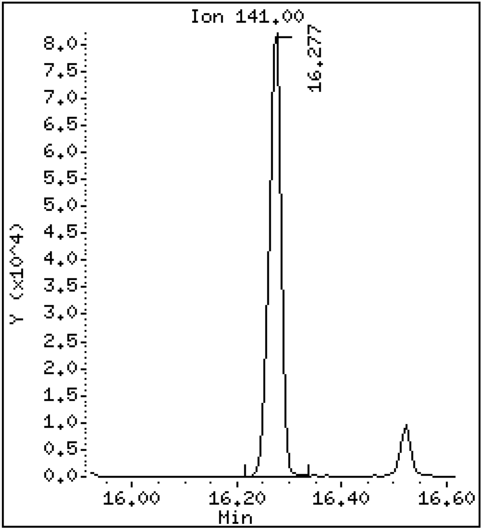












Data File: \\target\share\chem3\nt14.i\20230106.b\NT1423010613.D

Date : 06-JAN-2023 18:50

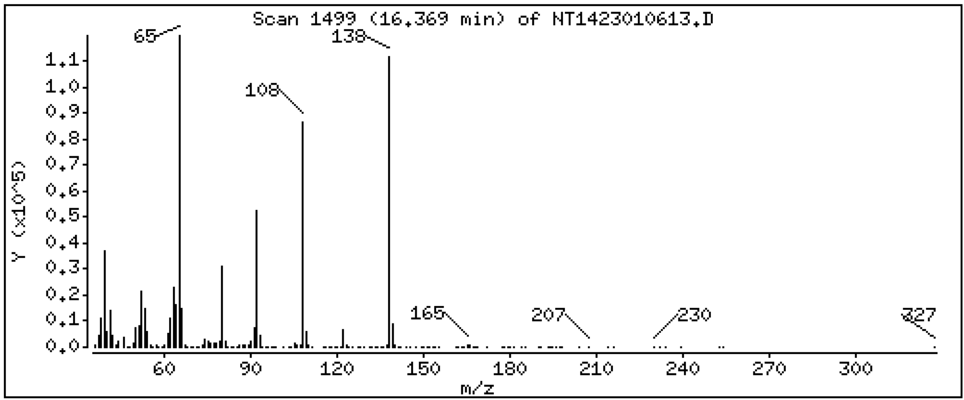
Client ID: Instrument: nt14.i

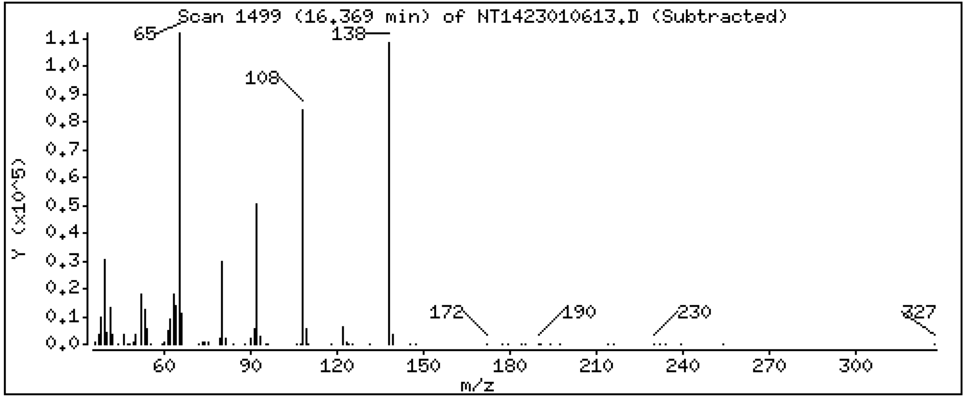
Sample Info: BKL0585-BSD1

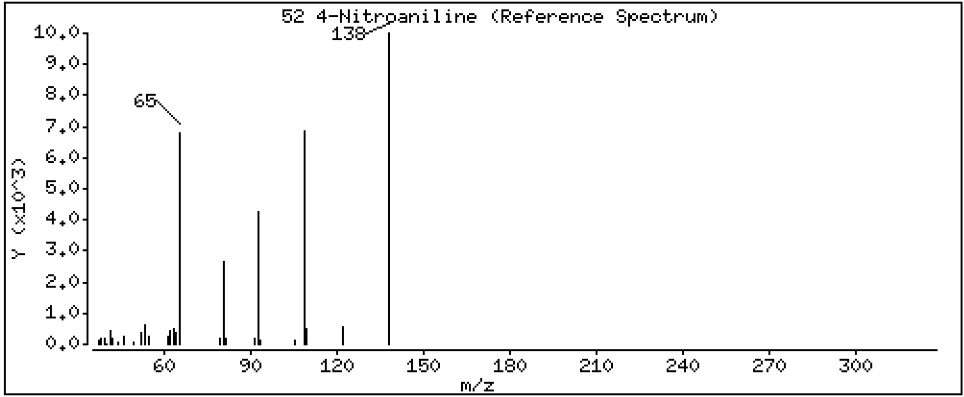
Operator: VTS

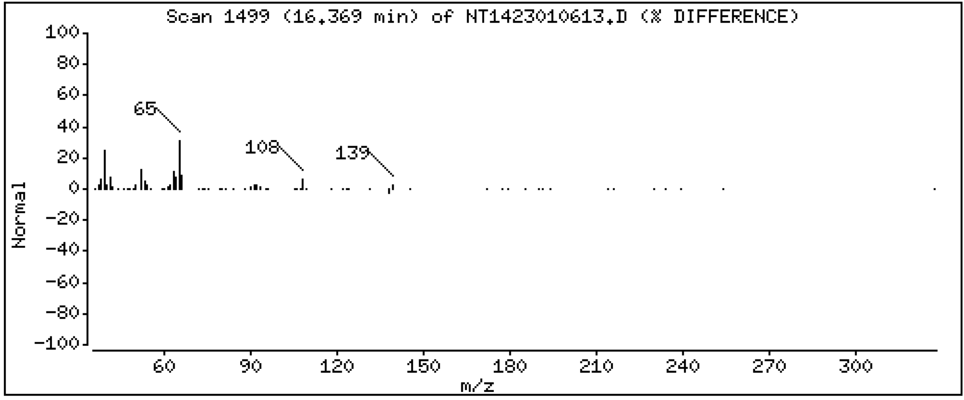
Column phase: ZB-5msi Column diameter: 0.25

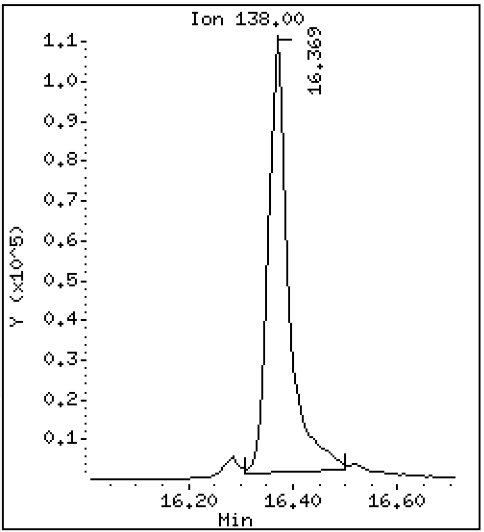
52 4-Nitroaniline Concentration: 12.72 ug/mL

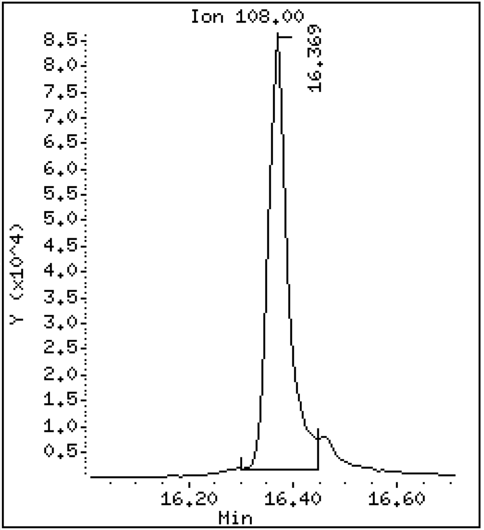

Scan 1499 (16.369 min) of NT1423010613.D

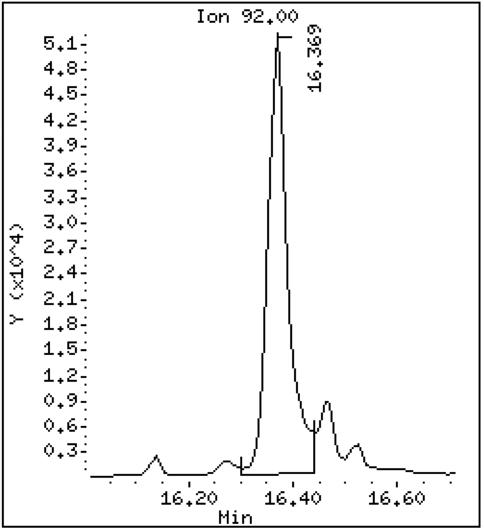

Scan 1499 (16.369 min) of NT1423010613.D (Subtracted)


52 4-Nitroaniline (Reference Spectrum)


Scan 1499 (16.369 min) of NT1423010613.D (% DIFFERENCE)


Ion 138.00


Ion 108.00


Ion 92.00

Data File: \\target\share\chem3\nt14.i\20230106.b\NT1423010613.D

Date : 06-JAN-2023 18:50

Client ID:

Instrument: nt14.i

Sample Info: BKL0585-BSD1

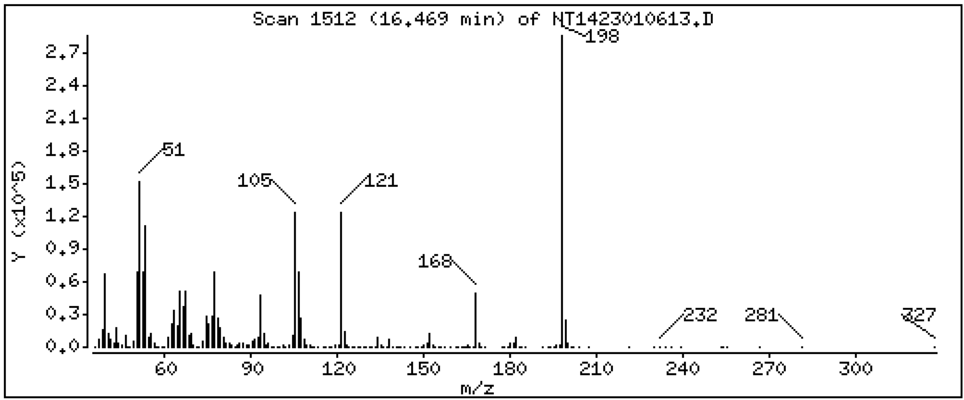
Operator: VTS

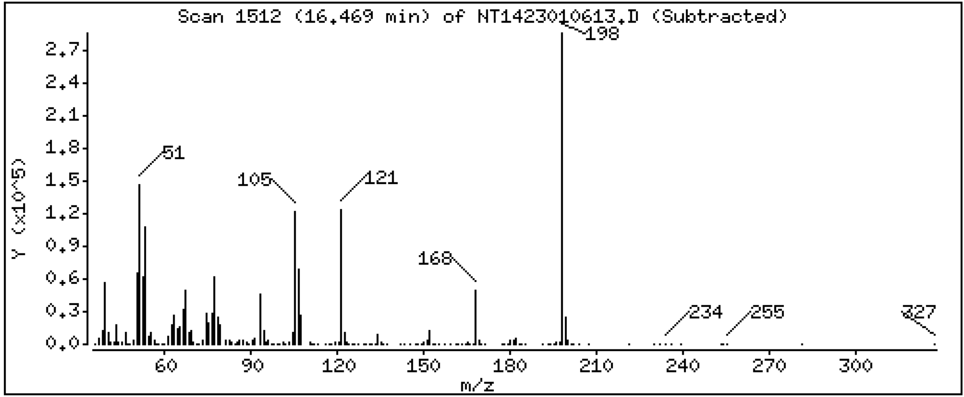
Column phase: ZB-5msi

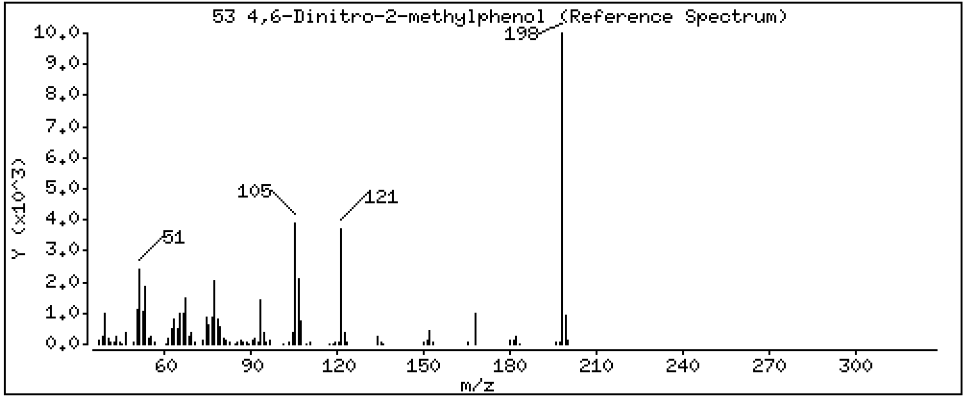
Column diameter: 0.25

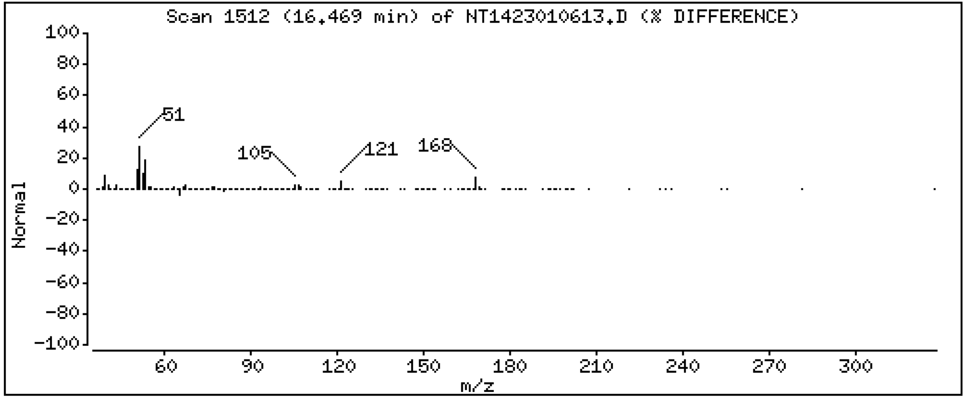
53 4,6-Dinitro-2-methylphenol

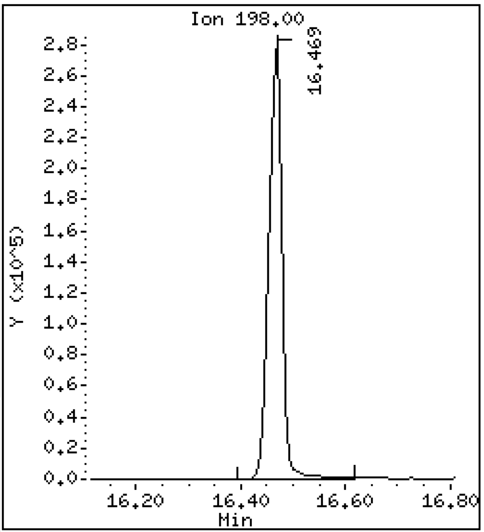
Concentration: 25.12 ug/mL

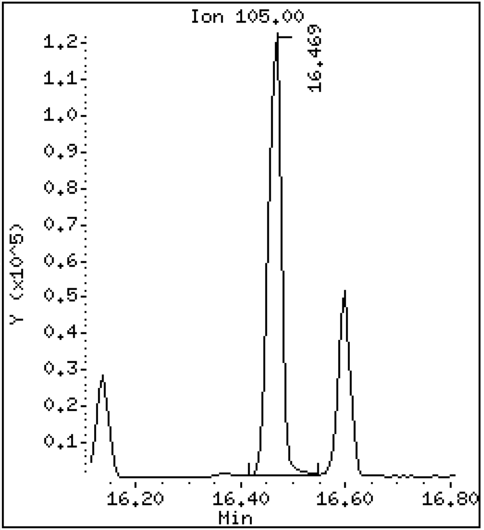

Scan 1512 (16.469 min) of NT1423010613.D

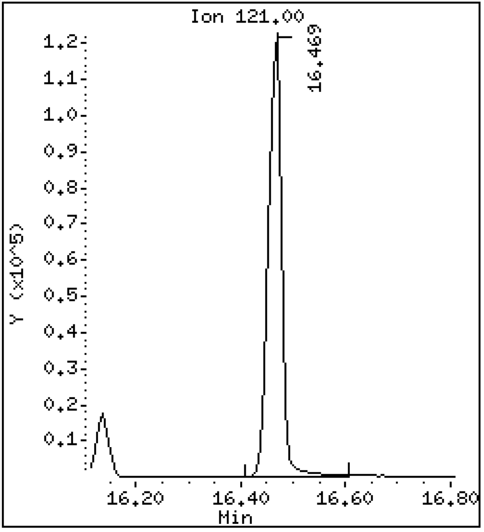

Scan 1512 (16.469 min) of NT1423010613.D (Subtracted)


53 4,6-Dinitro-2-methylphenol (Reference Spectrum)


Scan 1512 (16.469 min) of NT1423010613.D (% DIFFERENCE)


Ion 198.00


Ion 105.00


Ion 121.00

Data File: \\target\share\chem3\nt14.i\20230106.b\NT1423010613.D

Date : 06-JAN-2023 18:50

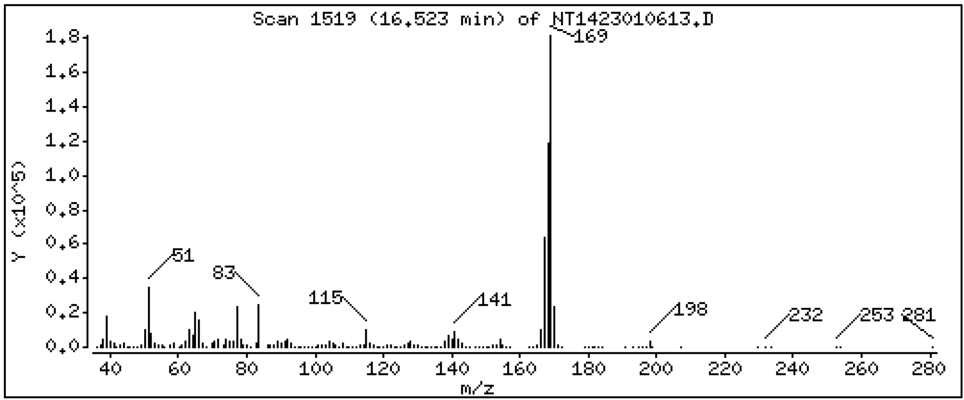
Client ID: Instrument: nt14.i

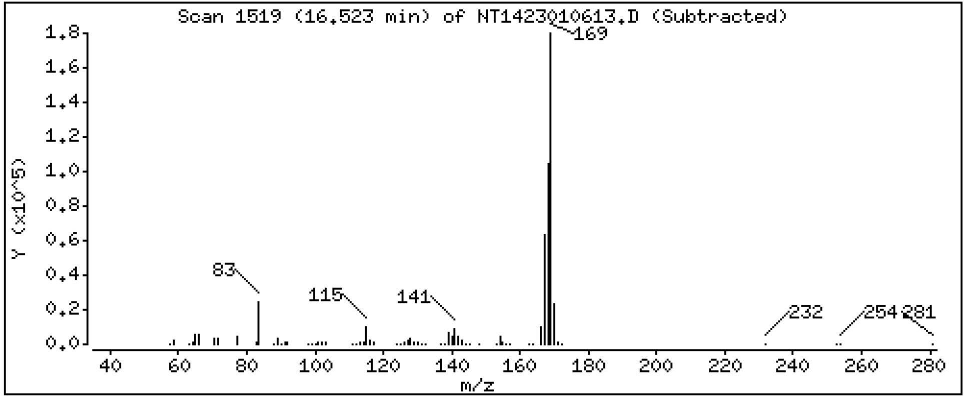
Sample Info: BKL0585-BSD1

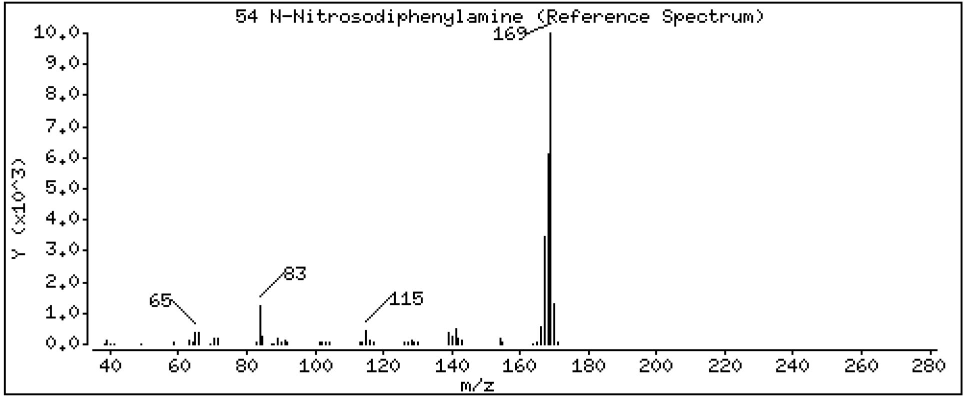
Operator: VTS

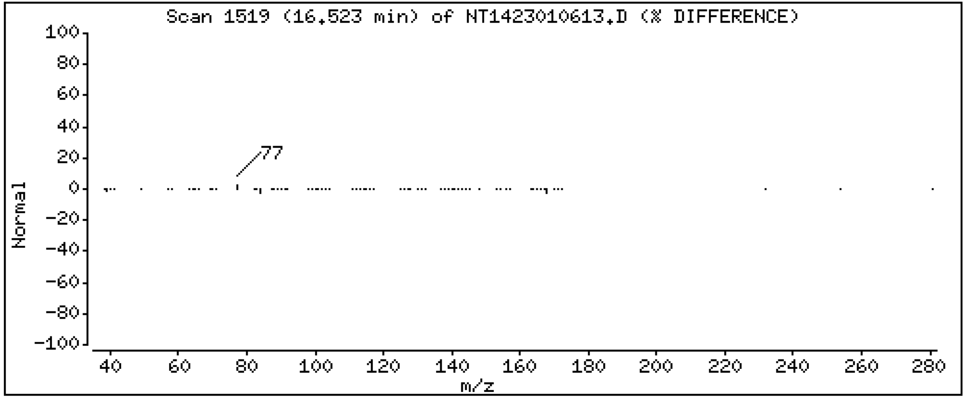
Column phase: ZB-5msi Column diameter: 0.25

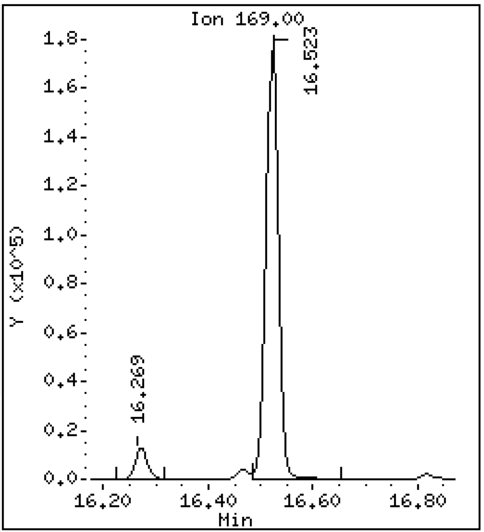
54 N-Nitrosodiphenylamine Concentration: 3.808 ug/mL

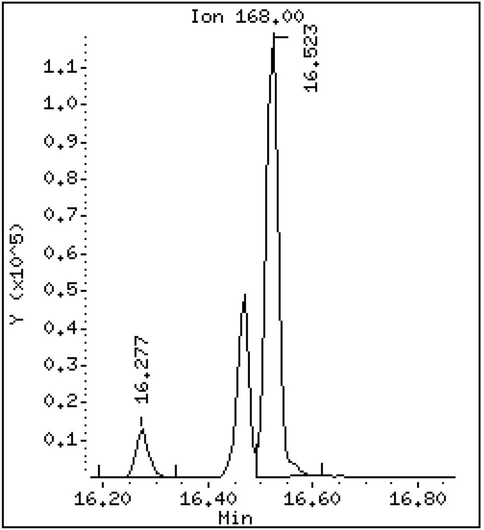


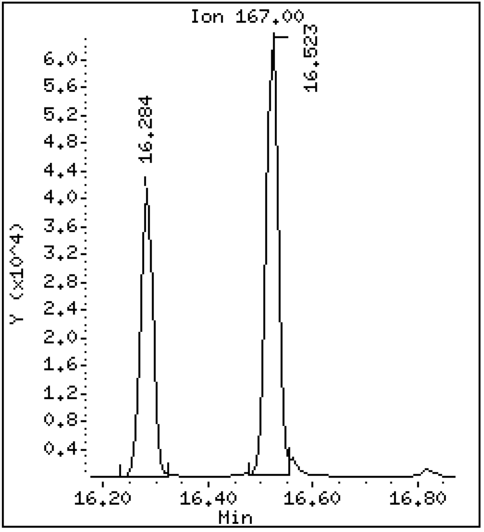












Data File: \\target\share\chem3\nt14.i\20230106.b\NT1423010613.D

Date : 06-JAN-2023 18:50

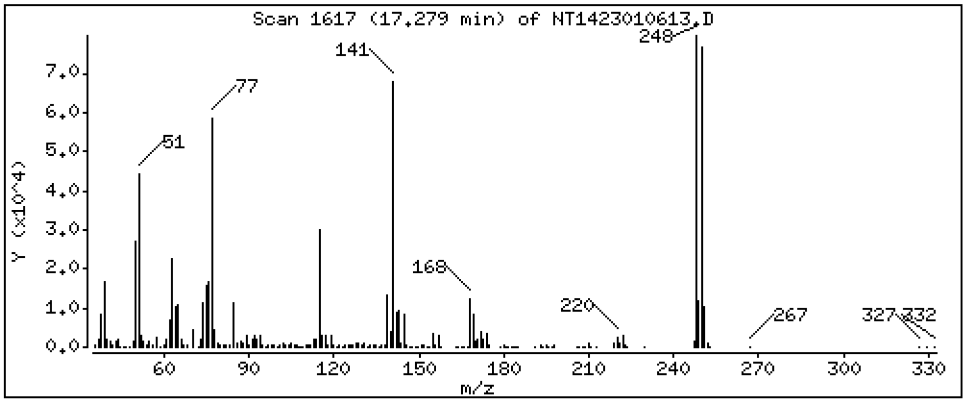
Client ID: Instrument: nt14.i

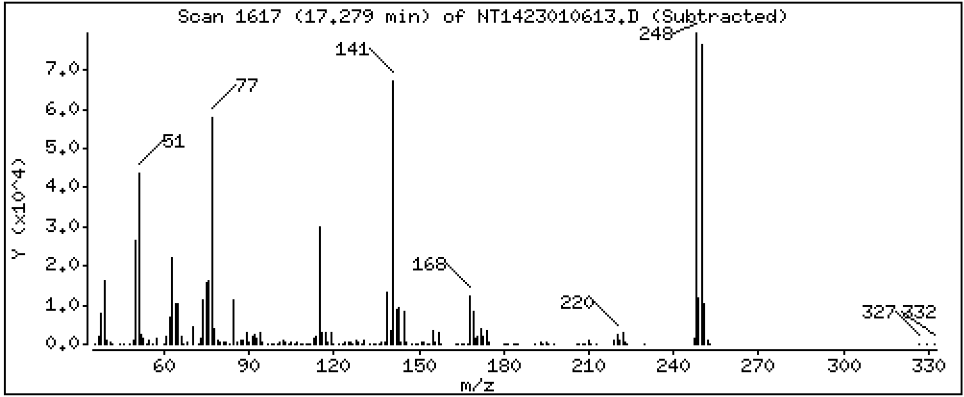
Sample Info: BKL0585-BSD1

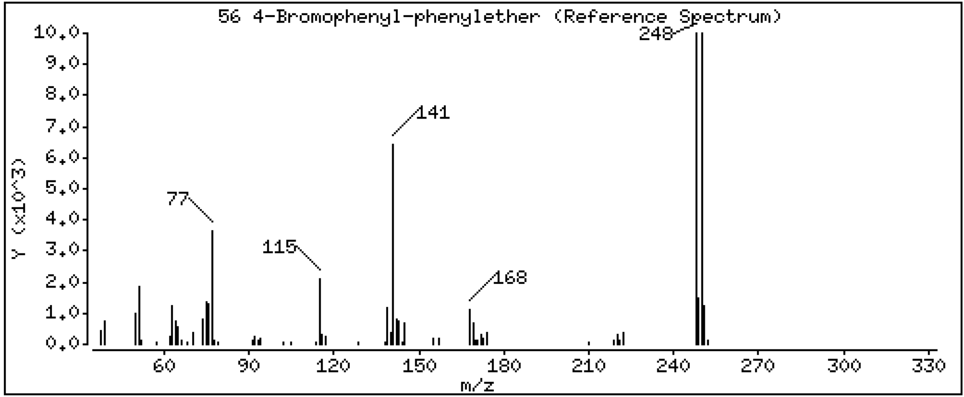
Operator: VTS

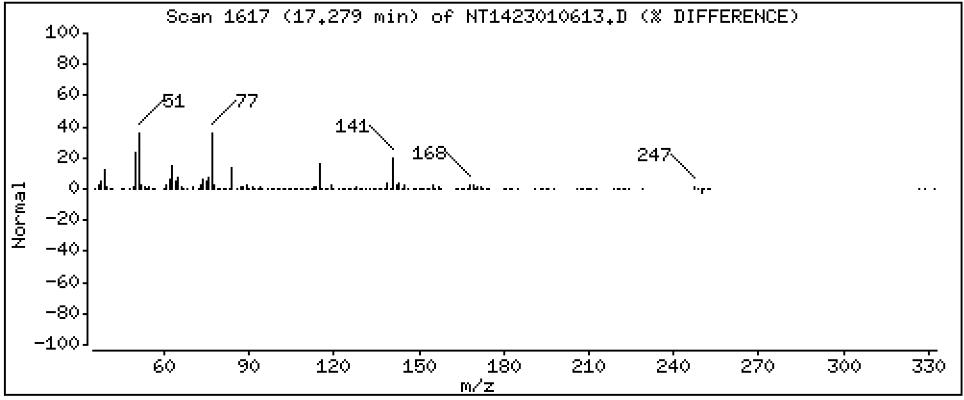
Column phase: ZB-5msi Column diameter: 0.25

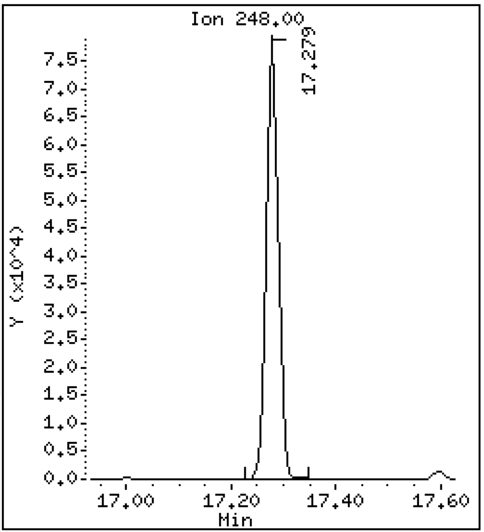
56 4-Bromophenyl-phenylether Concentration: 4.439 ug/mL

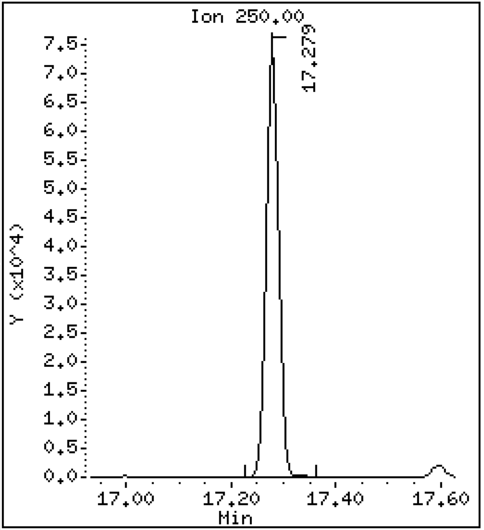

Scan 1617 (17.279 min) of NT1423010613.D

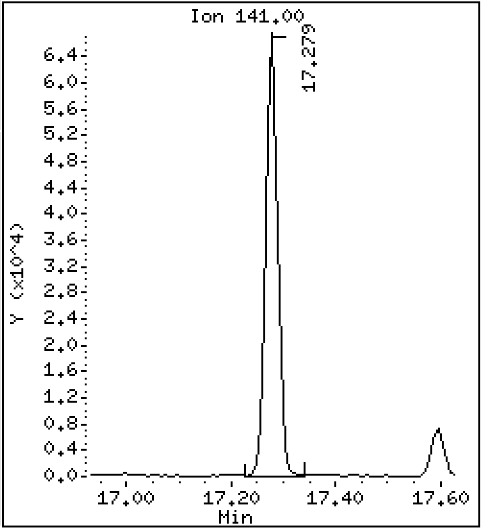

Scan 1617 (17.279 min) of NT1423010613.D (Subtracted)


56 4-Bromophenyl-phenylether (Reference Spectrum)


Scan 1617 (17.279 min) of NT1423010613.D (% DIFFERENCE)


Ion 248.00


Ion 250.00


Ion 141.00

Date : 06-JAN-2023 18:50

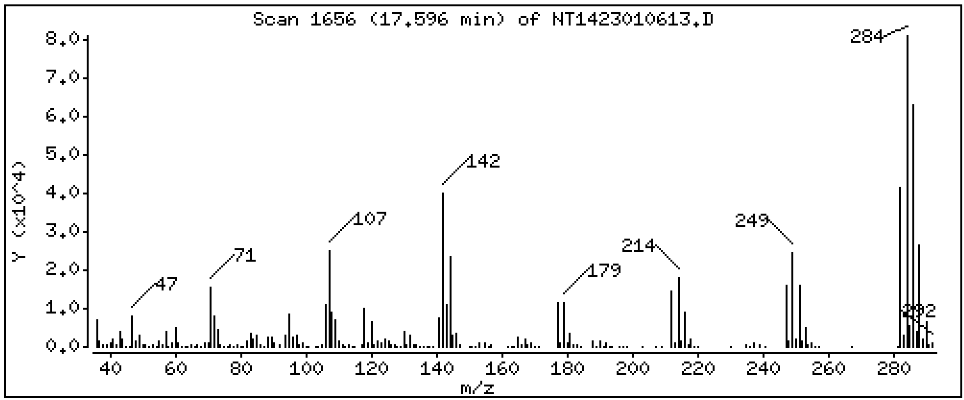
Client ID: Instrument: nt14.i

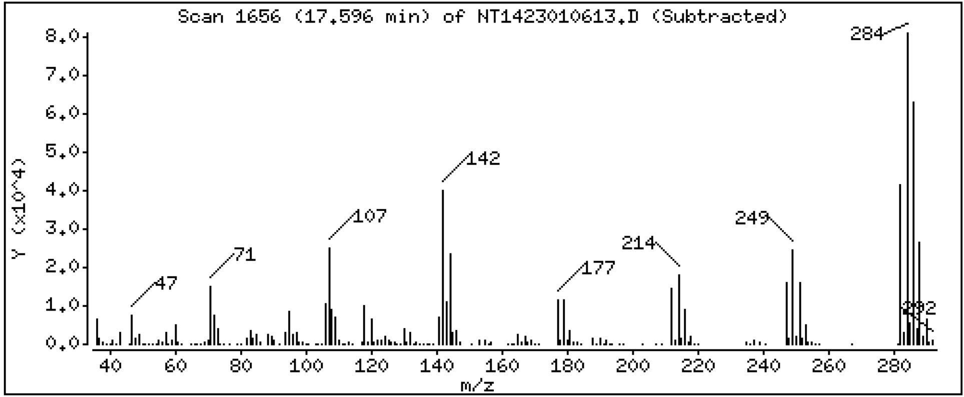
Sample Info: BKL0585-BSD1

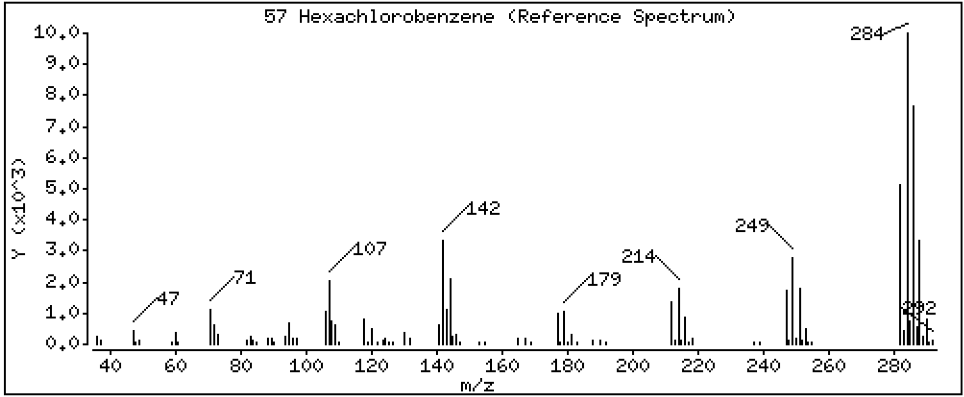
Operator: VTS

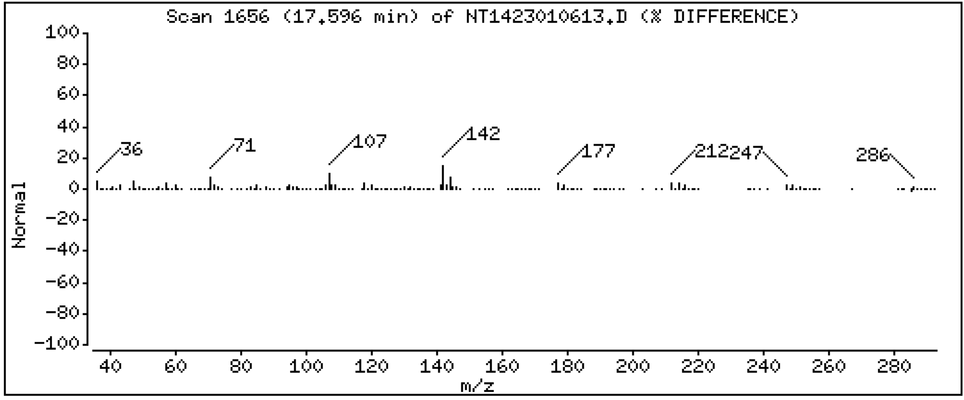
Column phase: ZB-5msi Column diameter: 0.25

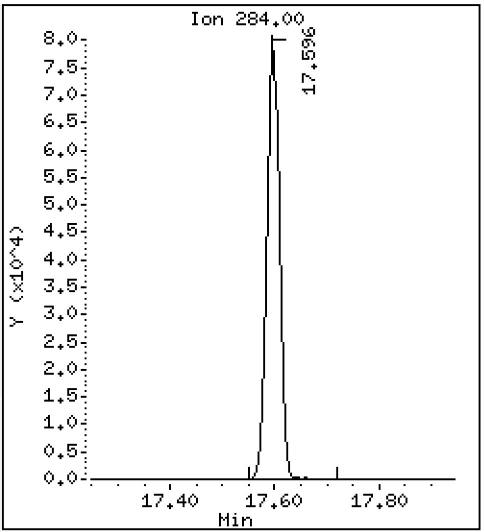
57 Hexachlorobenzene Concentration: 4.128 ug/mL

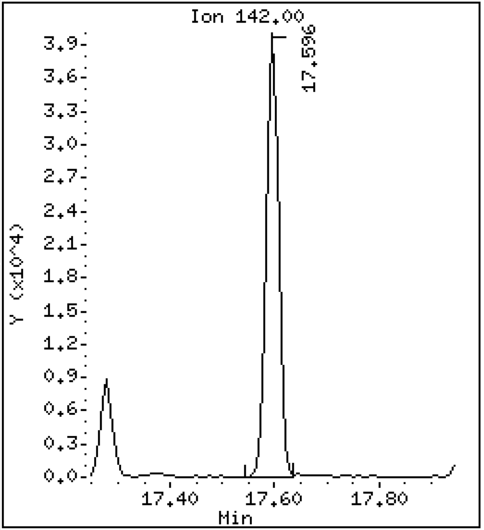

Scan 1656 (17.596 min) of NT1423010613.D

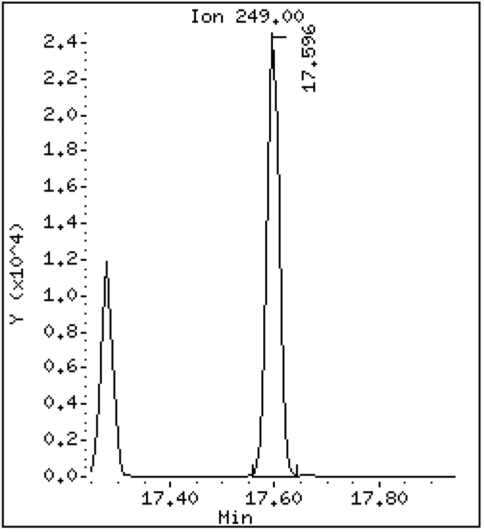

Scan 1656 (17.596 min) of NT1423010613.D (Subtracted)


57 Hexachlorobenzene (Reference Spectrum)


Scan 1656 (17.596 min) of NT1423010613.D (% DIFFERENCE)


Ion 284.00


Ion 142.00


Ion 249.00

Data File: \\target\share\chem3\nt14.i\20230106.b\NT1423010613.D

Date : 06-JAN-2023 18:50

Client ID:

Instrument: nt14.i

Sample Info: BKL0585-BSD1

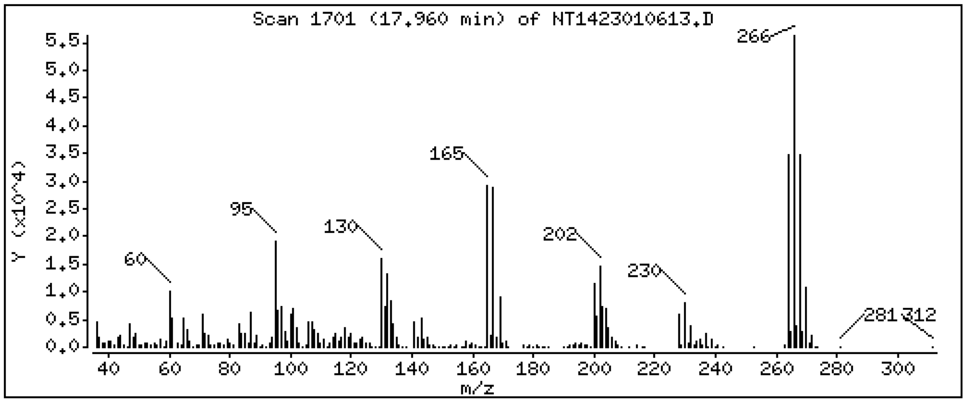
Operator: VTS

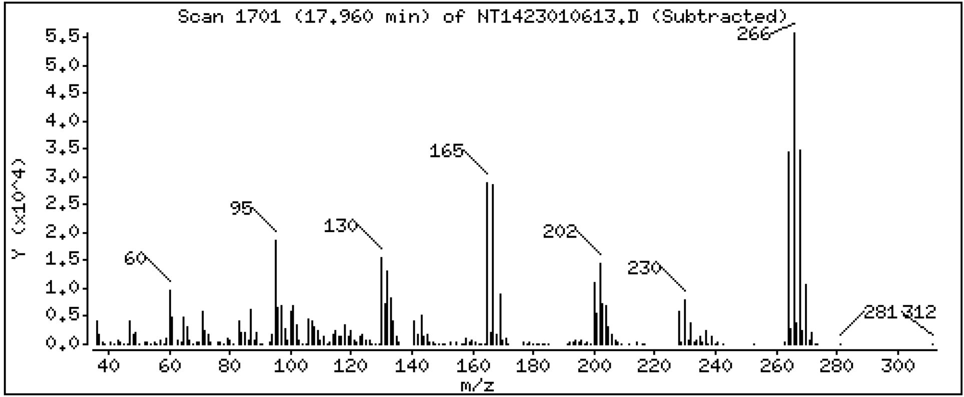
Column phase: ZB-5msi

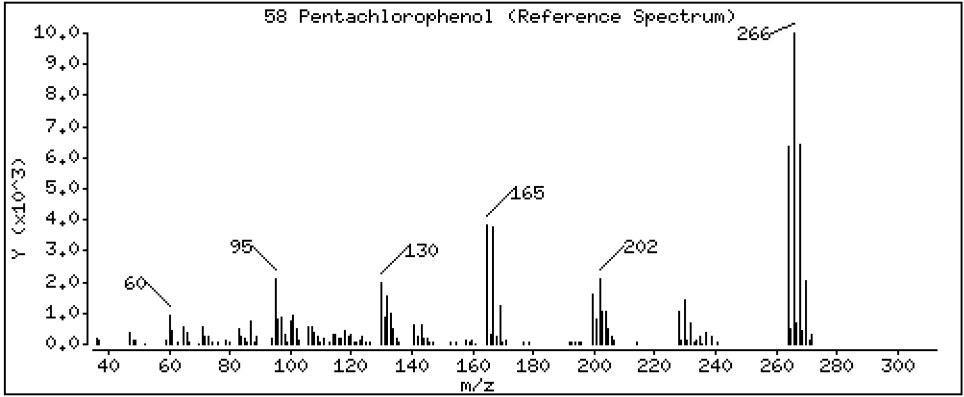
Column diameter: 0.25

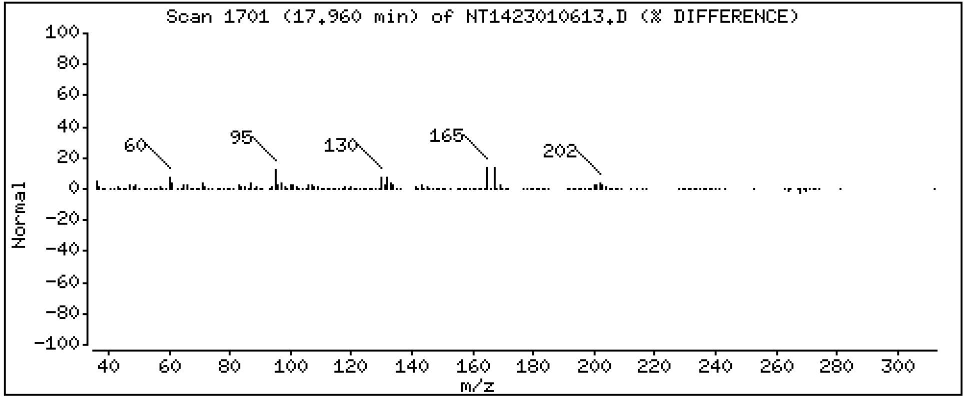
58 Pentachlorophenol

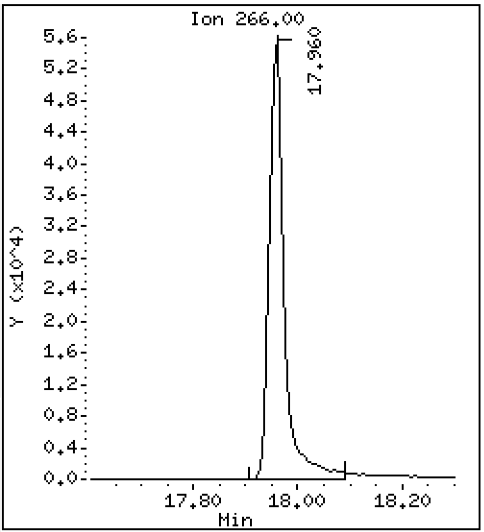
Concentration: 7.895 ug/mL

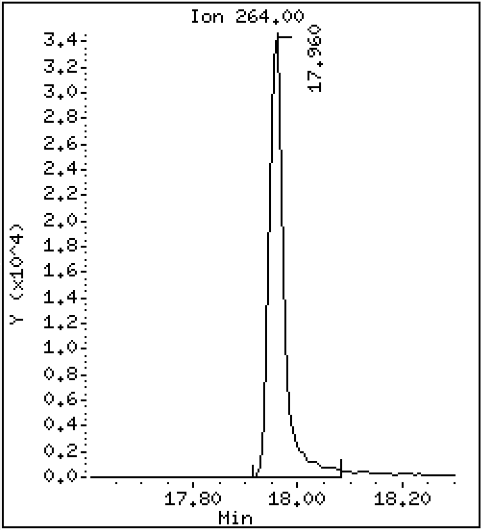

Scan 1701 (17.960 min) of NT1423010613.D

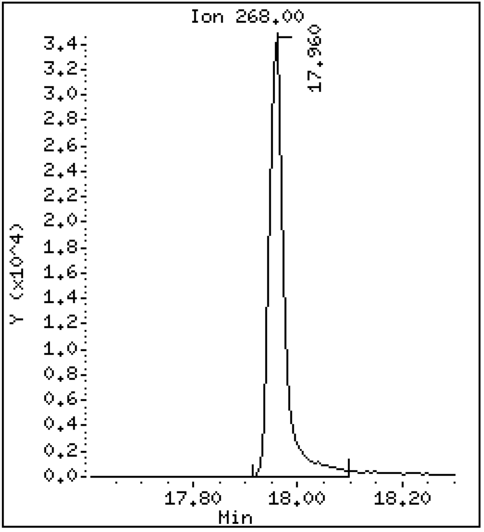

Scan 1701 (17.960 min) of NT1423010613.D (Subtracted)


58 Pentachlorophenol (Reference Spectrum)


Scan 1701 (17.960 min) of NT1423010613.D (% DIFFERENCE)


Ion 266.00


Ion 264.00


Ion 268.00

Data File: \\target\share\chem3\nt14.i\20230106.b\NT1423010613.D

Date : 06-JAN-2023 18:50

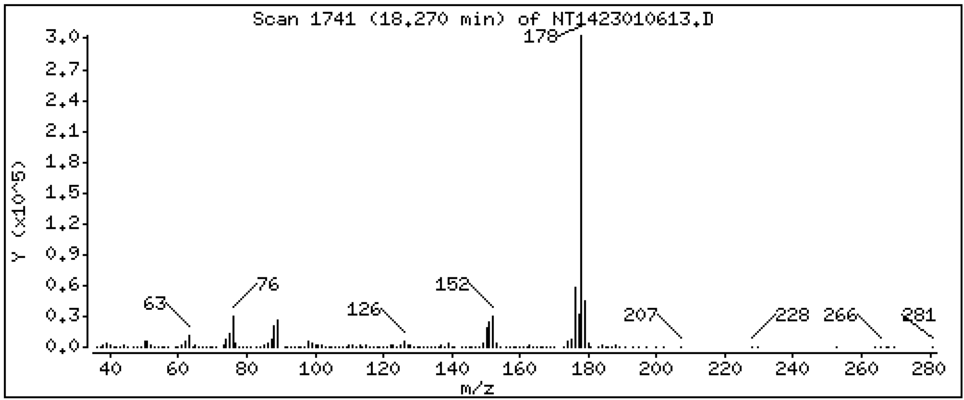
Client ID: Instrument: nt14.i

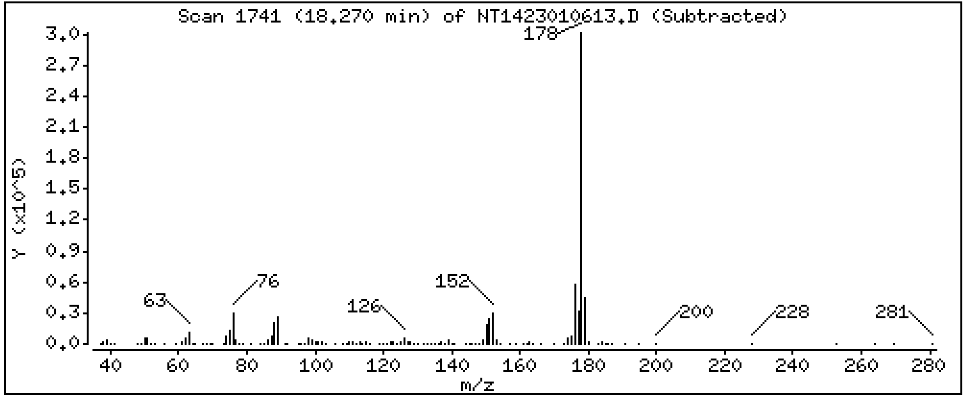
Sample Info: BKL0585-BSD1

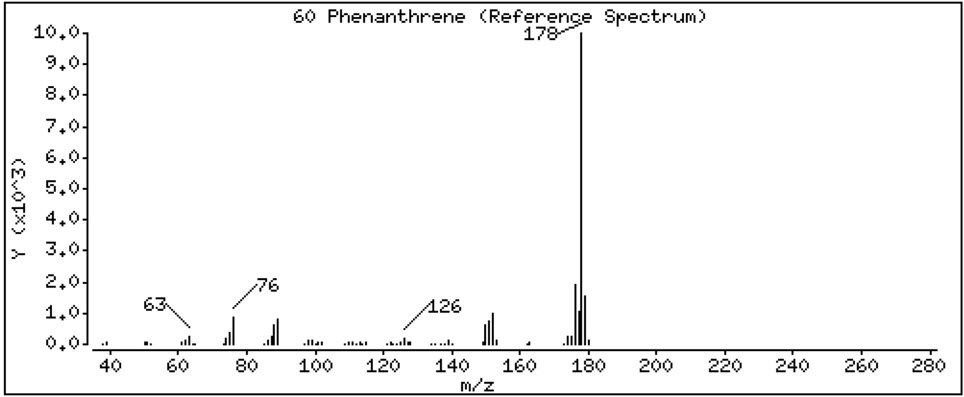
Operator: VTS

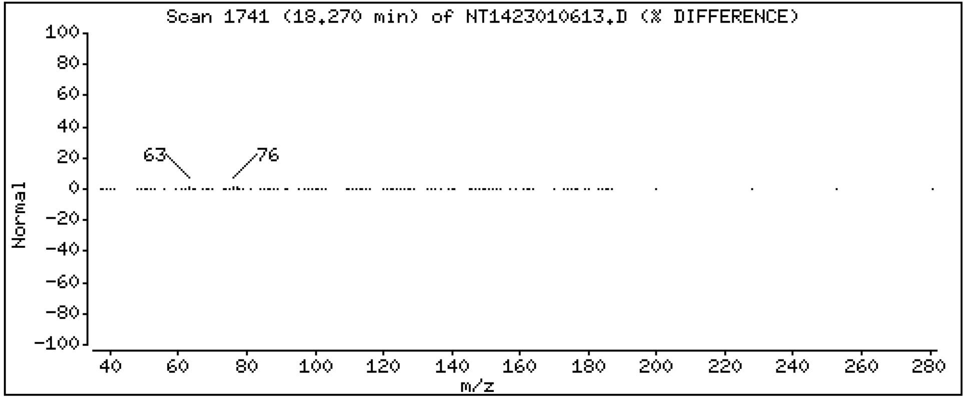
Column phase: ZB-5msi Column diameter: 0.25

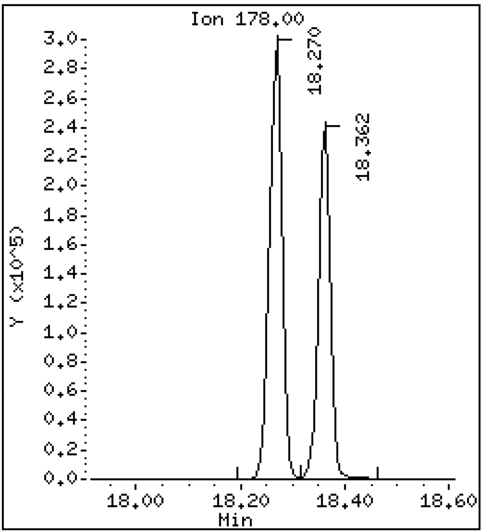
60 Phenanthrene Concentration: 4.420 ug/mL

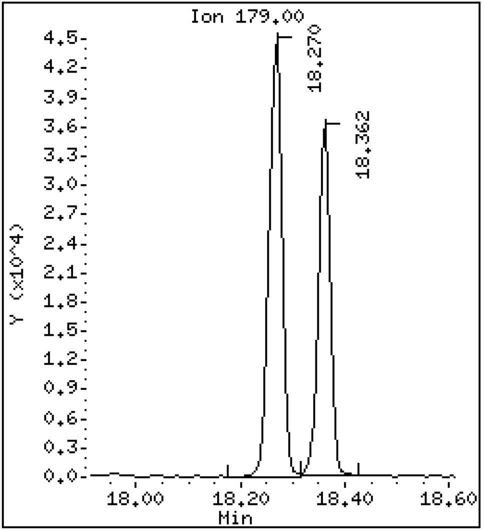

Scan 1741 (18.270 min) of NT1423010613.D

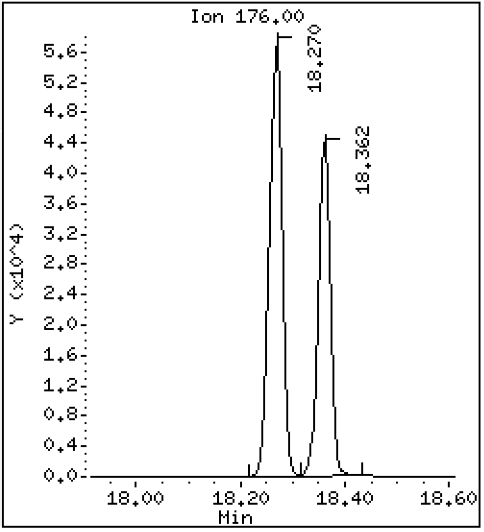

Scan 1741 (18.270 min) of NT1423010613.D (Subtracted)


60 Phenanthrene (Reference Spectrum)


Scan 1741 (18.270 min) of NT1423010613.D (% DIFFERENCE)


Ion 178.00


Ion 179.00


Ion 176.00

Data File: \\target\share\chem3\nt14.i\20230106.b\NT1423010613.D

Date : 06-JAN-2023 18:50

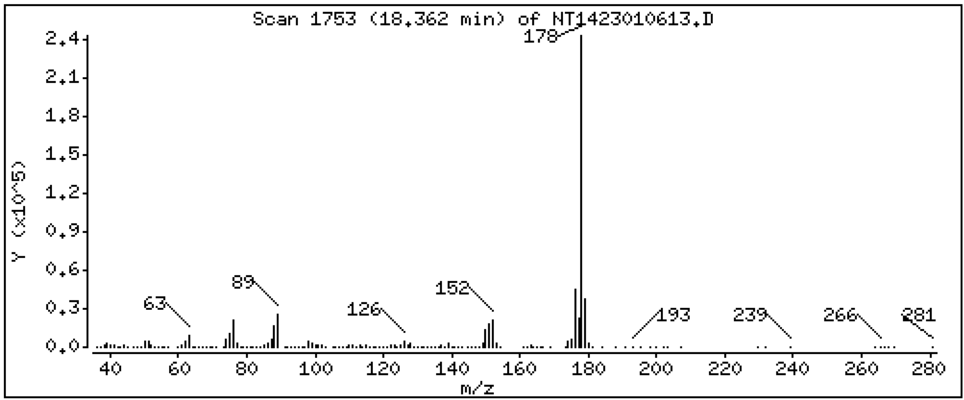
Client ID: Instrument: nt14.i

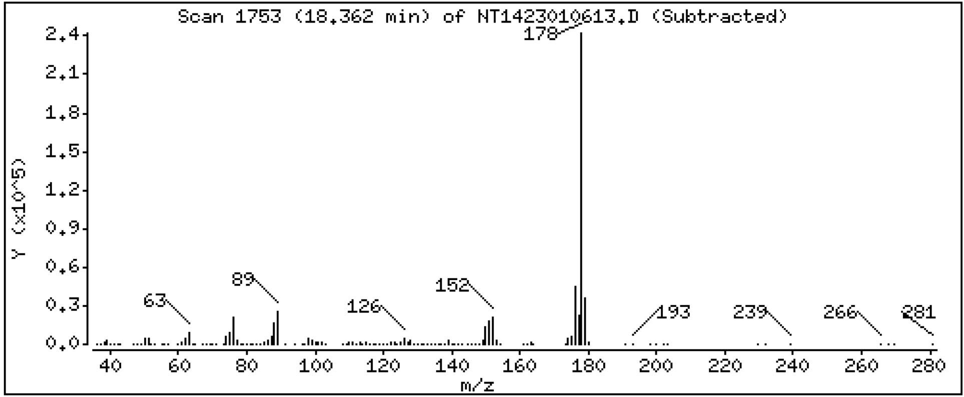
Sample Info: BKL0585-BSD1

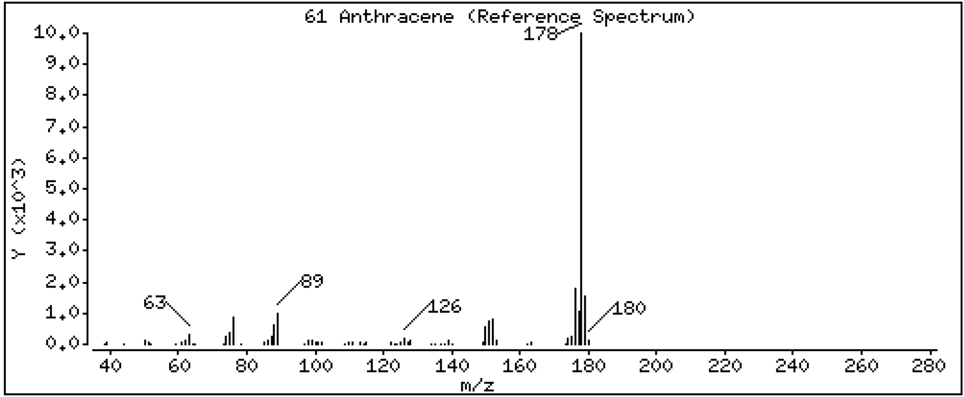
Operator: VTS

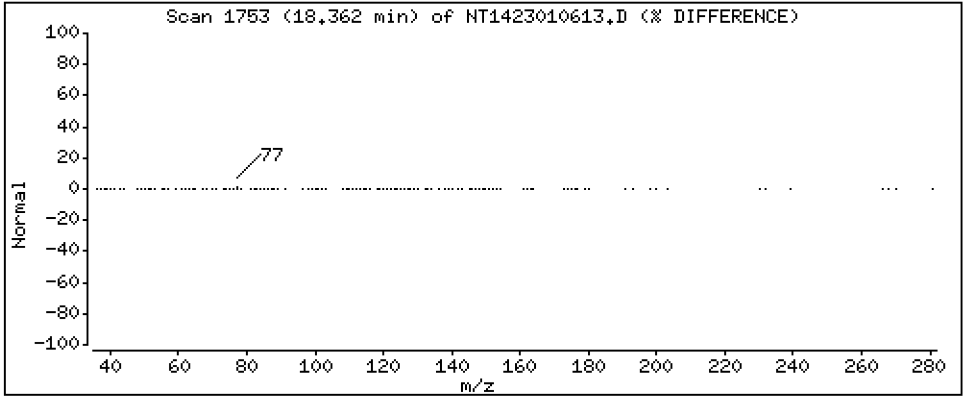
Column phase: ZB-5msi Column diameter: 0.25

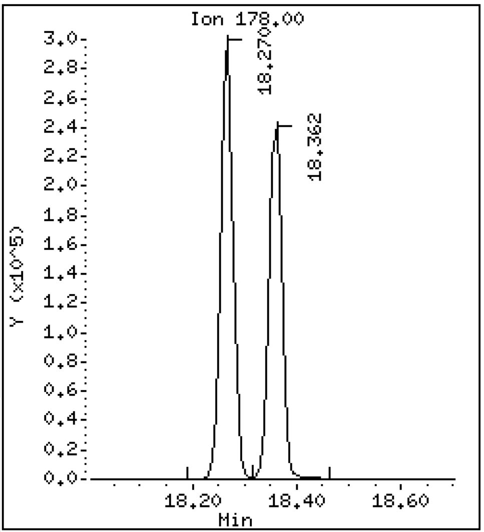
61 Anthracene Concentration: 3.779 ug/mL


Scan 1753 (18.362 min) of NT1423010613.D


Scan 1753 (18.362 min) of NT1423010613.D (Subtracted)


61 Anthracene (Reference Spectrum)


Scan 1753 (18.362 min) of NT1423010613.D (% DIFFERENCE)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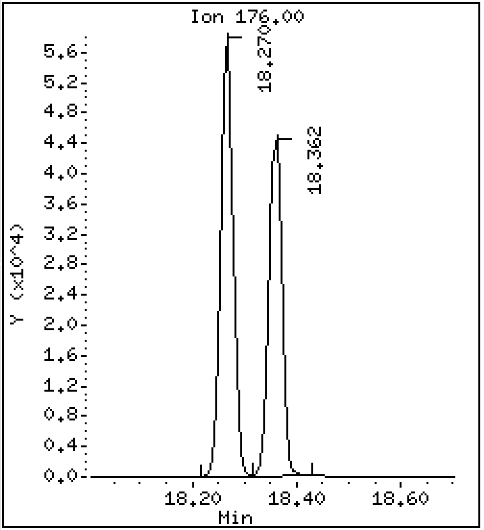
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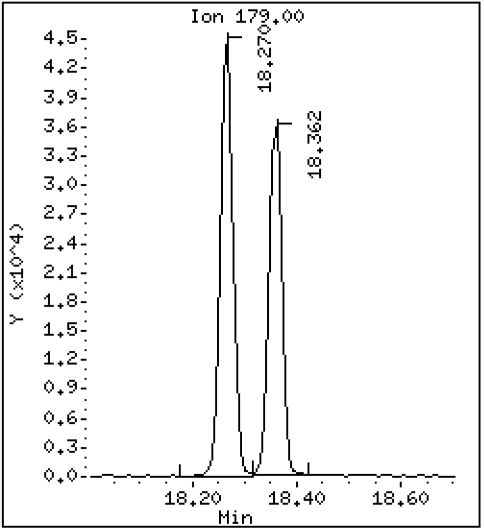

Ion 179.00

Data File: \\target\share\chem3\nt14.i\20230106.b\NT1423010613.D

Date : 06-JAN-2023 18:50

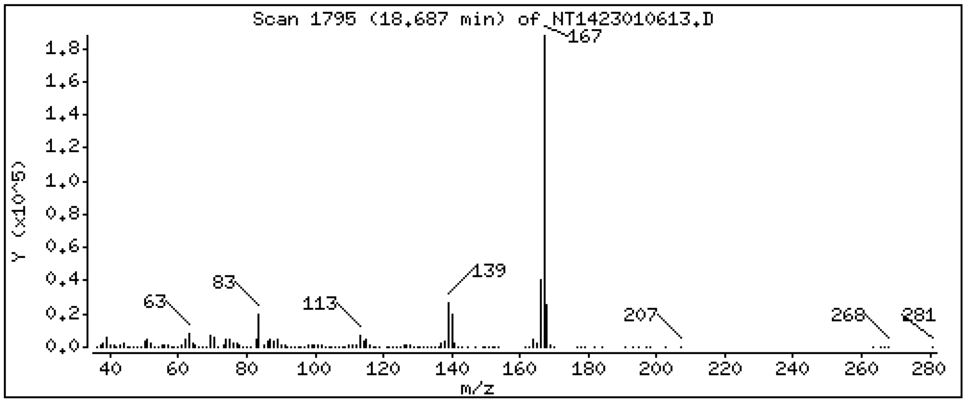
Client ID: Instrument: nt14.i

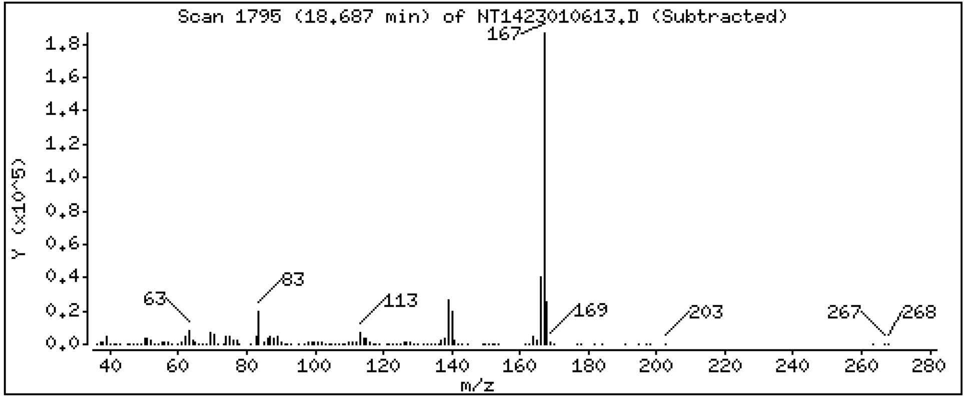
Sample Info: BKL0585-BSD1

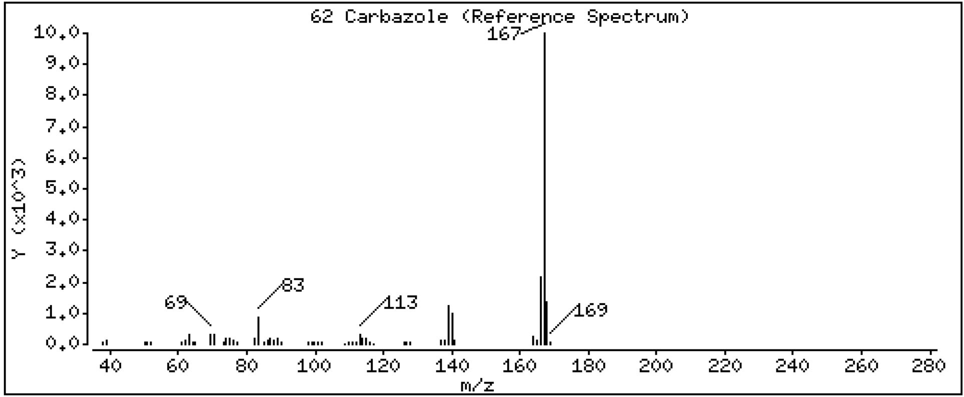
Operator: VTS

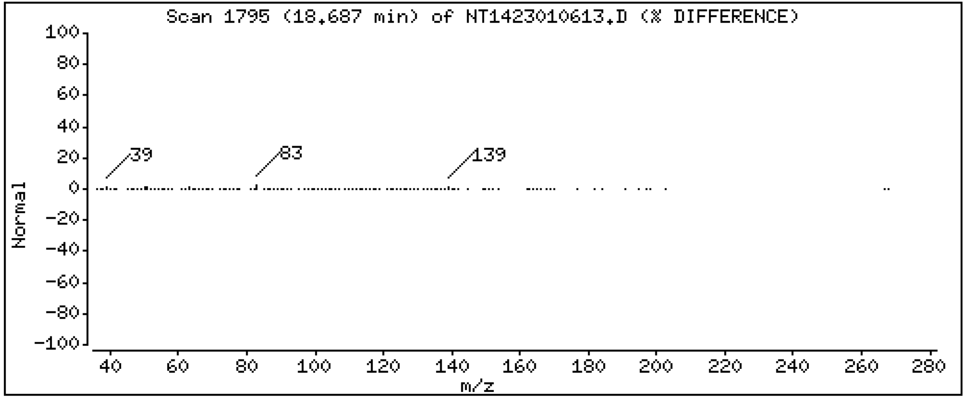
Column phase: ZB-5msi Column diameter: 0.25

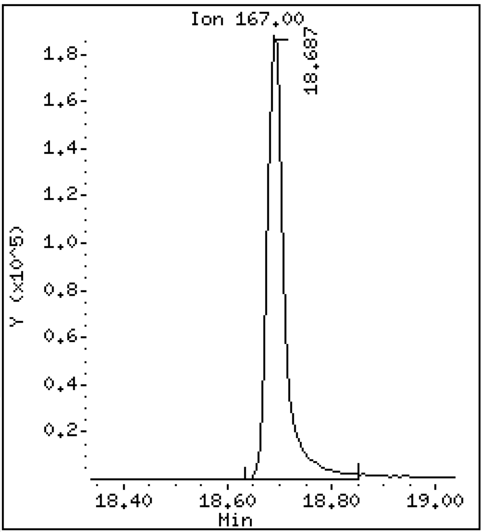
62 Carbazole Concentration: 4.110 ug/mL

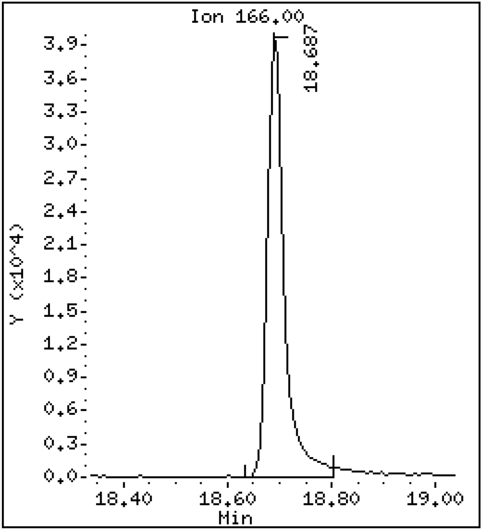

Scan 1795 (18.687 min) of NT1423010613.D

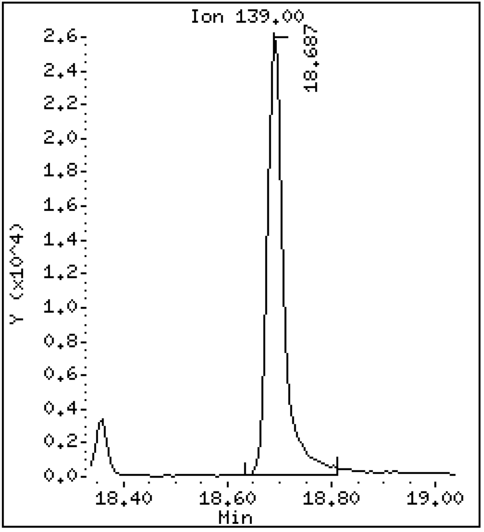

Scan 1795 (18.687 min) of NT1423010613.D (Subtracted)


62 Carbazole (Reference Spectrum)


Scan 1795 (18.687 min) of NT1423010613.D (% DIFFERENCE)


Ion 167.00


Ion 166.00


Ion 139.00

Data File: \\target\share\chem3\nt14.i\20230106.b\NT1423010613.D

Date : 06-JAN-2023 18:50

Client ID:

Instrument: nt14.i

Sample Info: BKL0585-BSD1

Operator: VTS

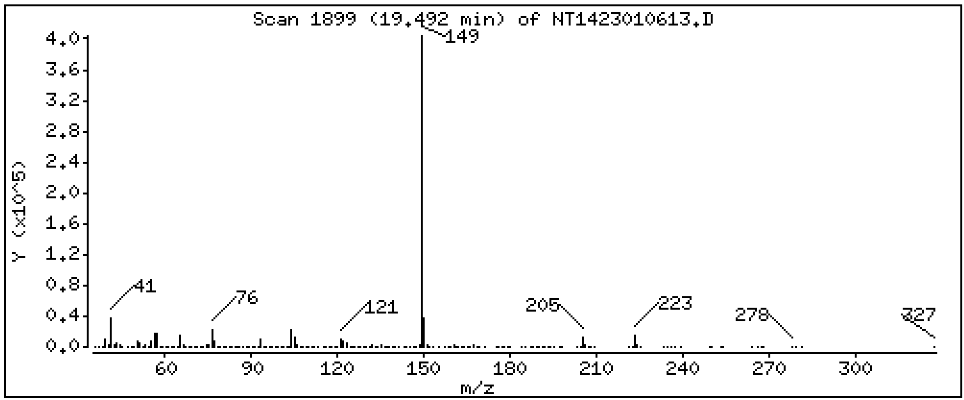
Column phase: ZB-5msi

Column diameter: 0.25

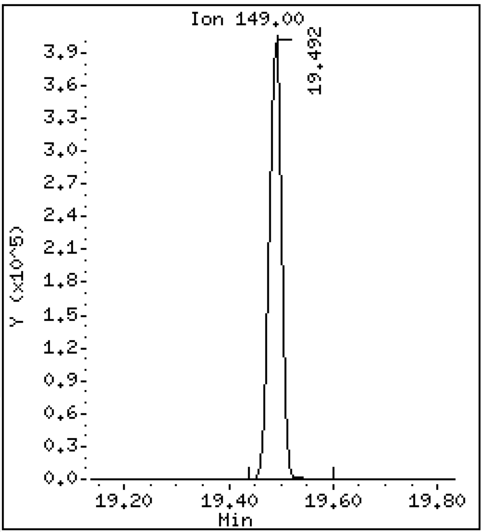
63 Di-n-butylphthalate

Concentration: 5.235 ug/mL

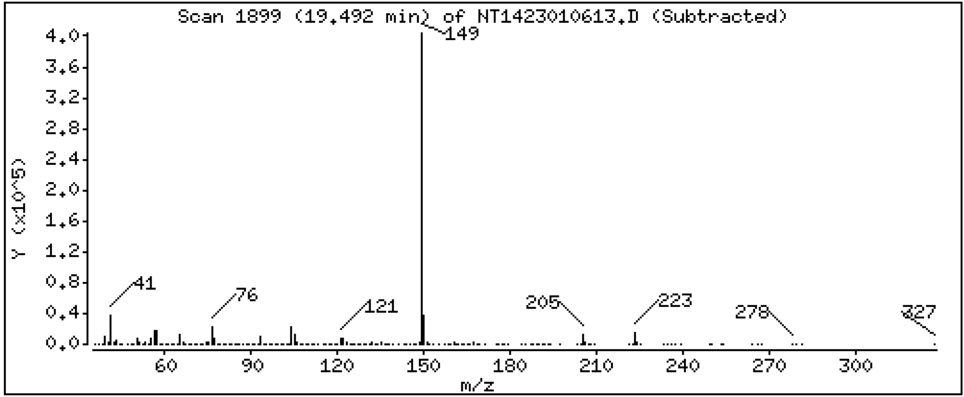
Scan 1899 (19.492 min) of NT1423010613.D



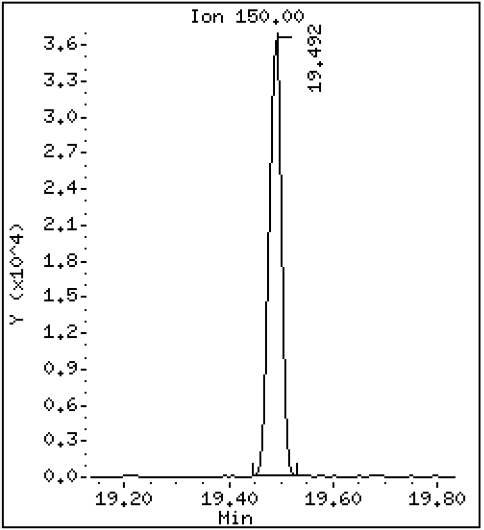
Ion 149.00



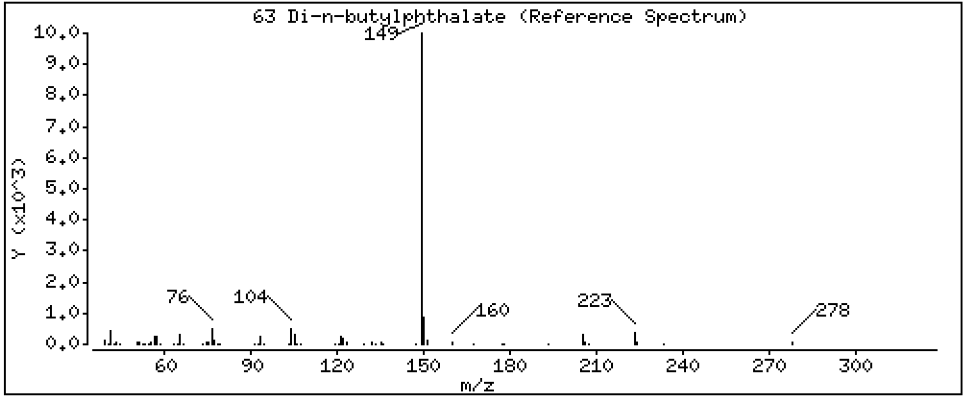
Scan 1899 (19.492 min) of NT1423010613.D (Subtracted)



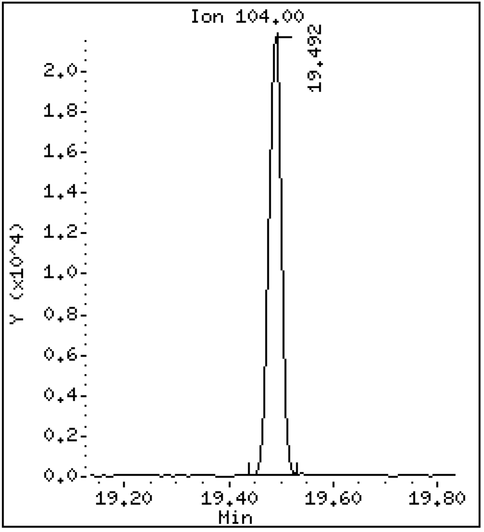
Ion 150.00



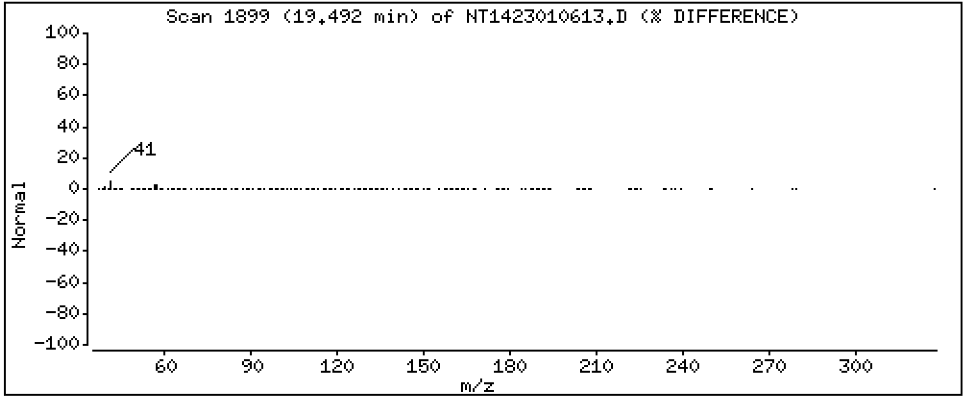
63 Di-n-butylphthalate (Reference Spectrum)



Ion 104.00



Scan 1899 (19.492 min) of NT1423010613.D (% DIFFERENCE)



Data File: \\target\share\chem3\nt14.i\20230106.b\NT1423010613.D

Date : 06-JAN-2023 18:50

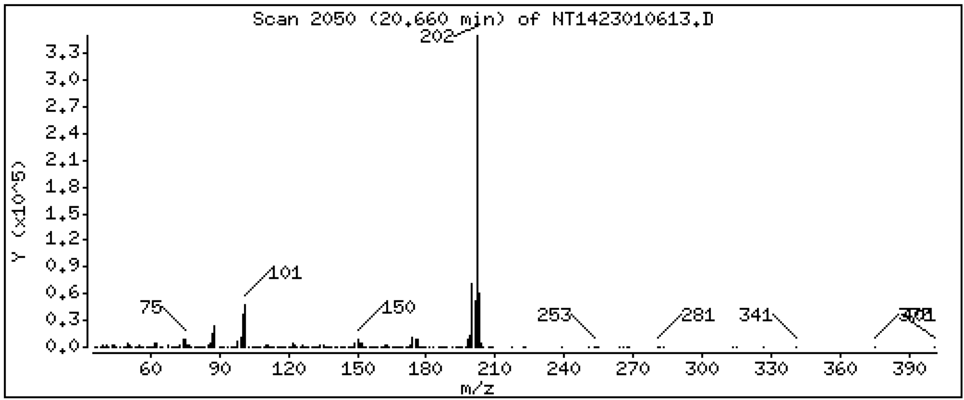
Client ID: Instrument: nt14.i

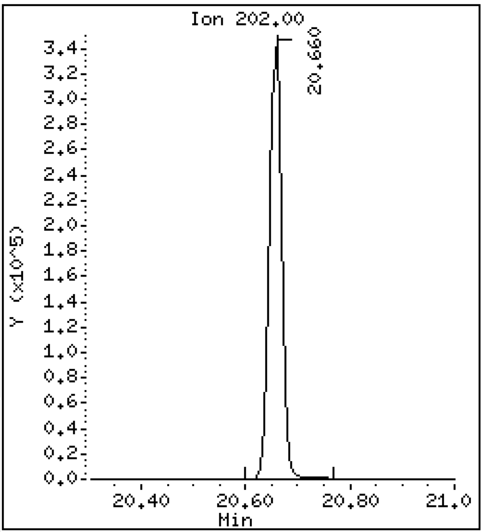
Sample Info: BKL0585-BSD1

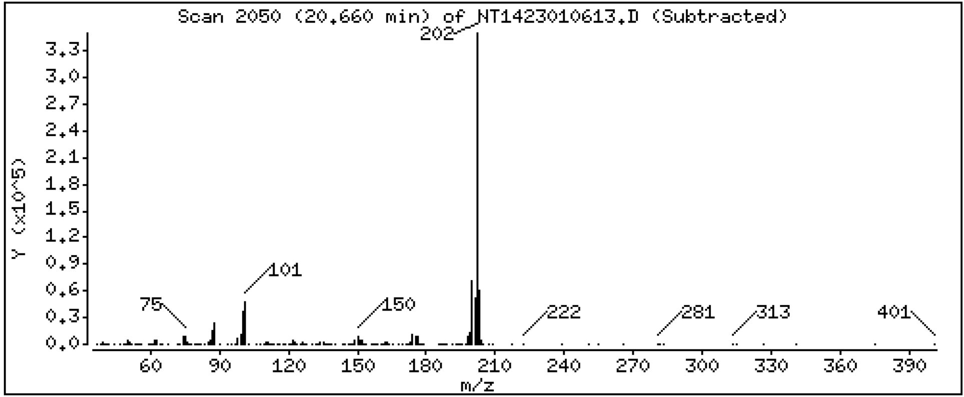
Operator: VTS

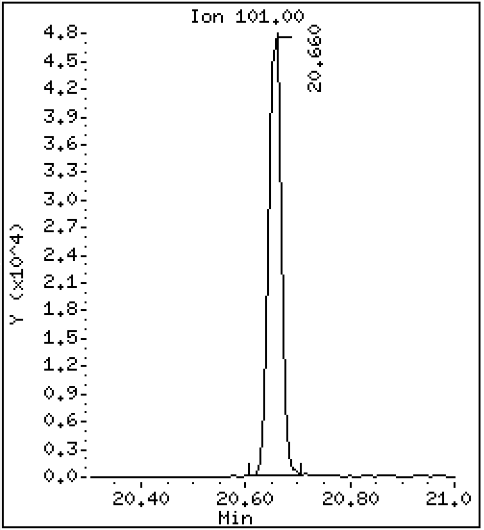
Column phase: ZB-5msi Column diameter: 0.25

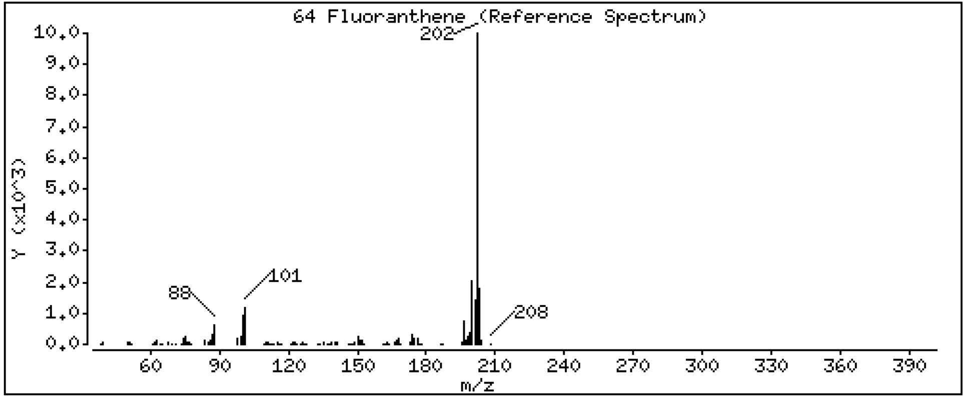
64 Fluoranthene Concentration: 5.476 ug/mL

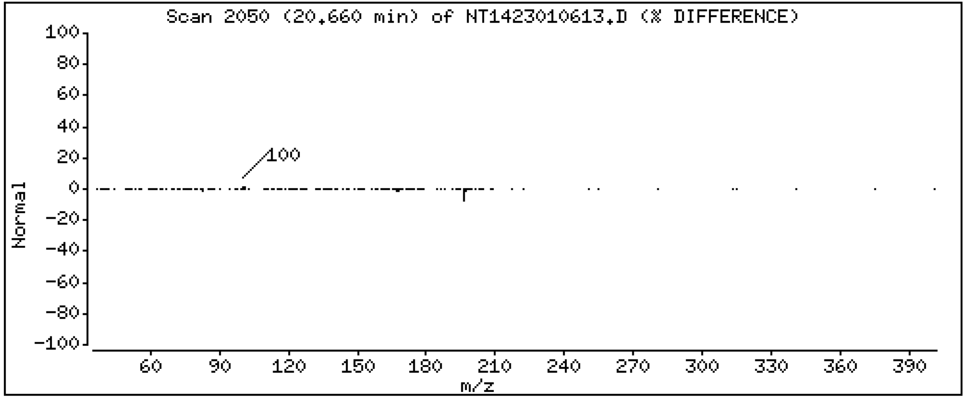


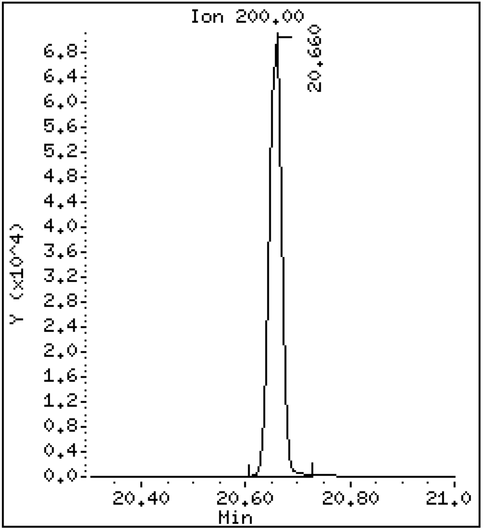












Data File: \\target\share\chem3\nt14.i\20230106.b\NT1423010613.D

Date : 06-JAN-2023 18:50

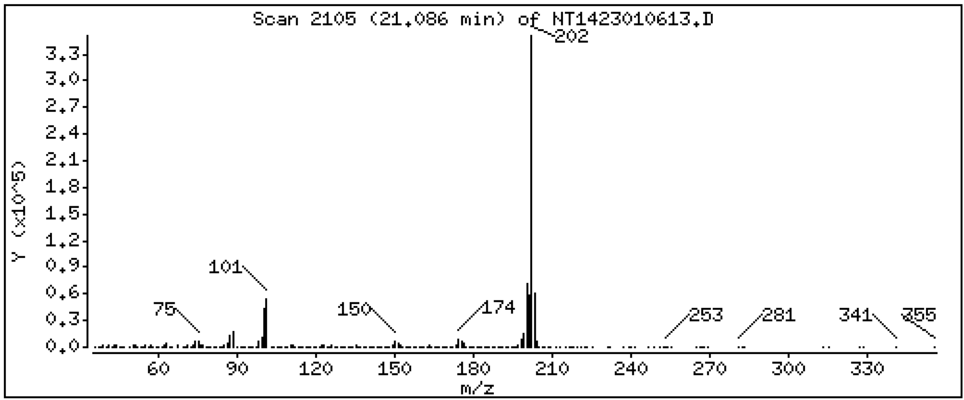
Client ID: Instrument: nt14.i

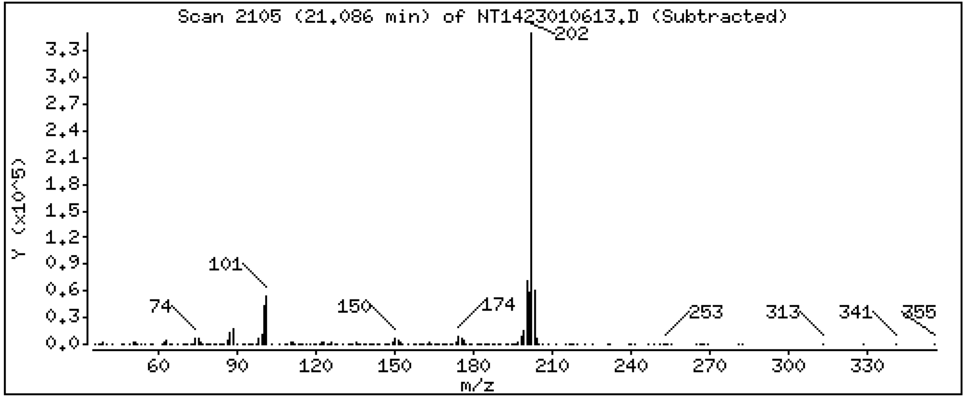
Sample Info: BKL0585-BSD1

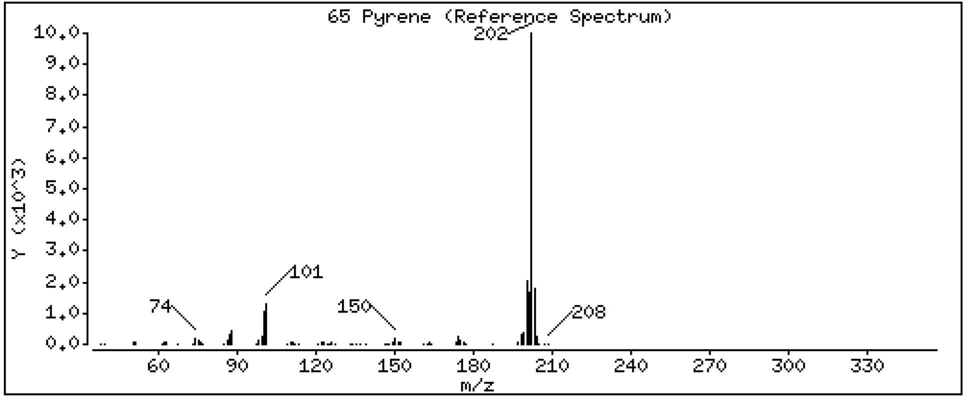
Operator: VTS

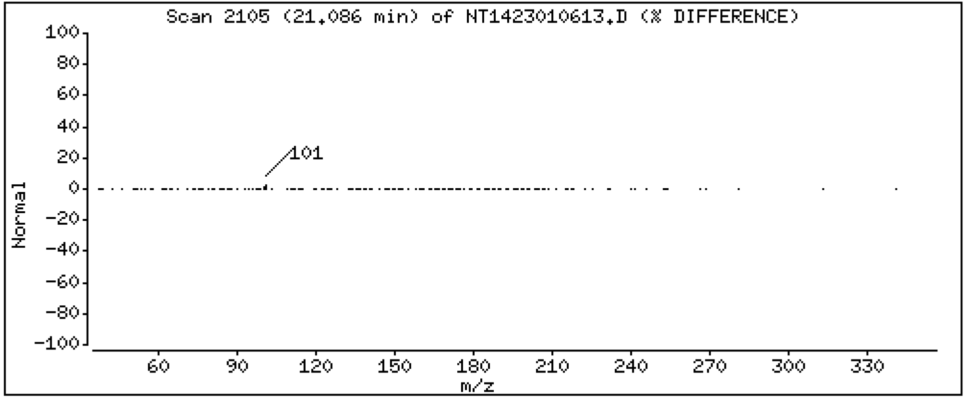
Column phase: ZB-5msi Column diameter: 0.25

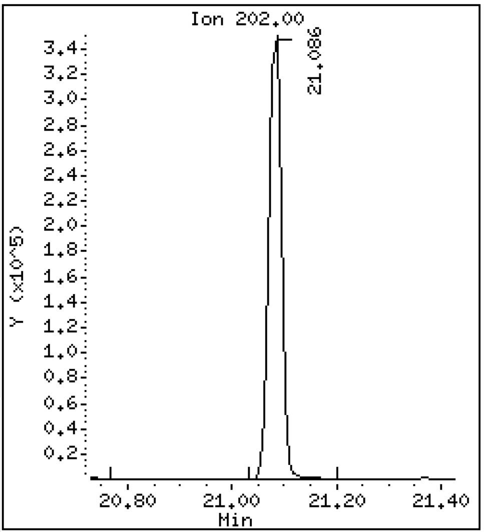
65 Pyrene Concentration: 5.438 ug/mL

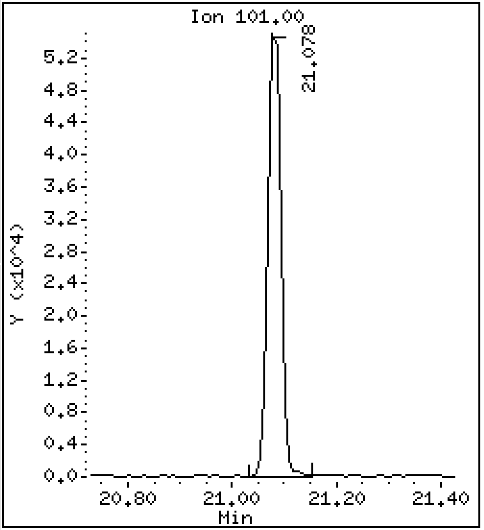


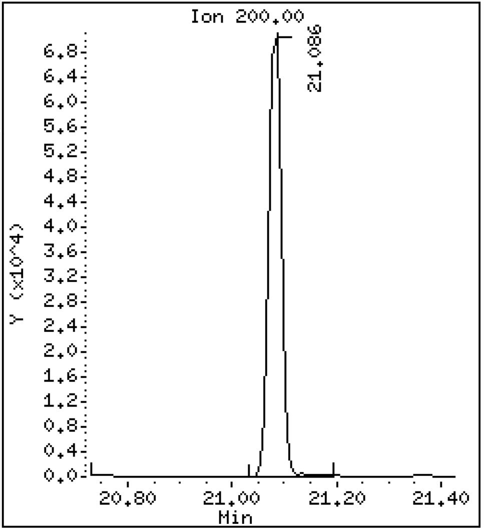












Date : 06-JAN-2023 18:50

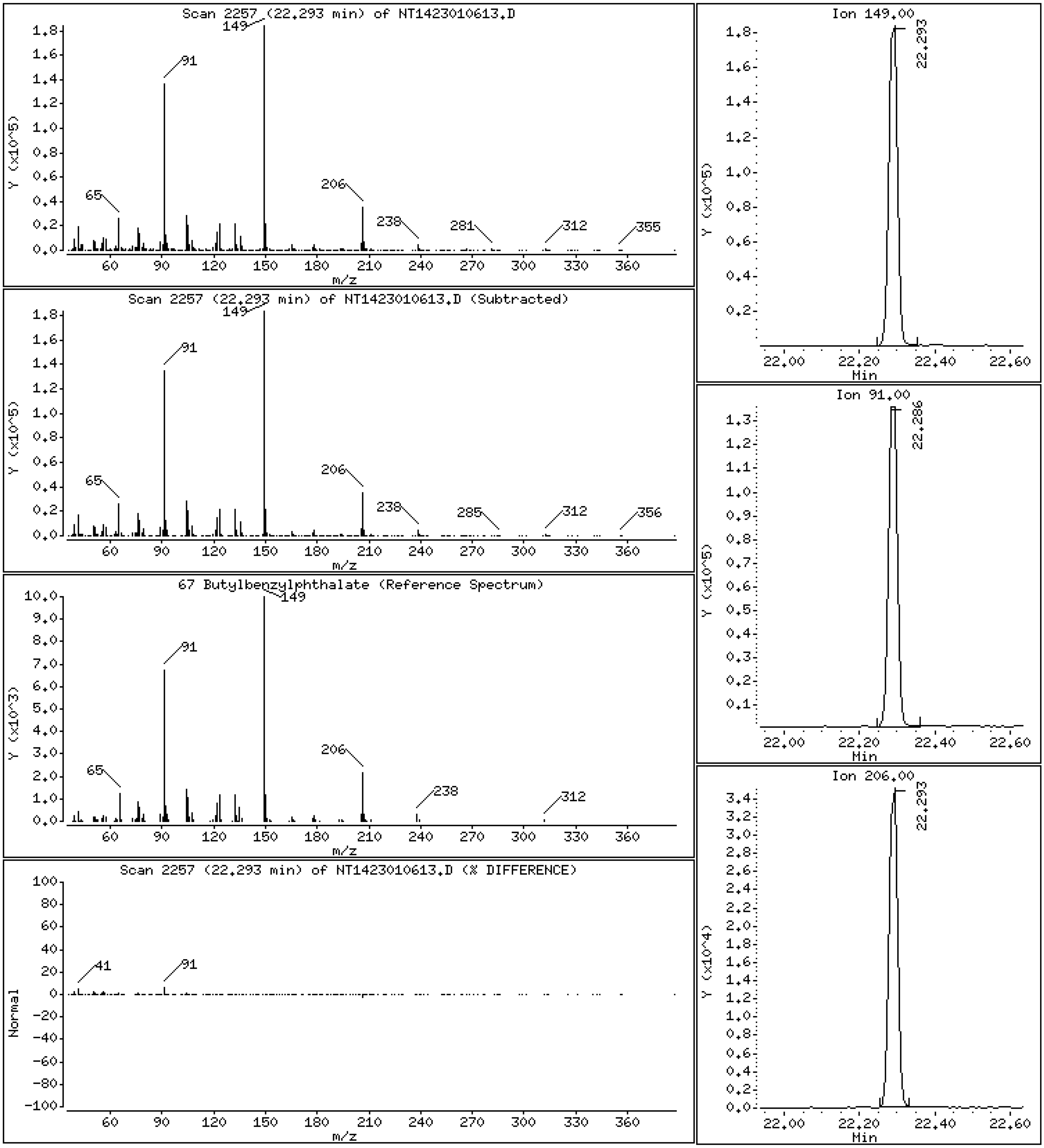
Client ID: Instrument: nt14.i

Sample Info: BKL0585-BSD1

Operator: VTS

Column phase: ZB-5msi Column diameter: 0.25

67 Butylbenzylphthalate Concentration: 6.774 ug/mL



Data File: \\target\share\chem3\nt14.i\20230106.b\NT1423010613.D

Date : 06-JAN-2023 18:50

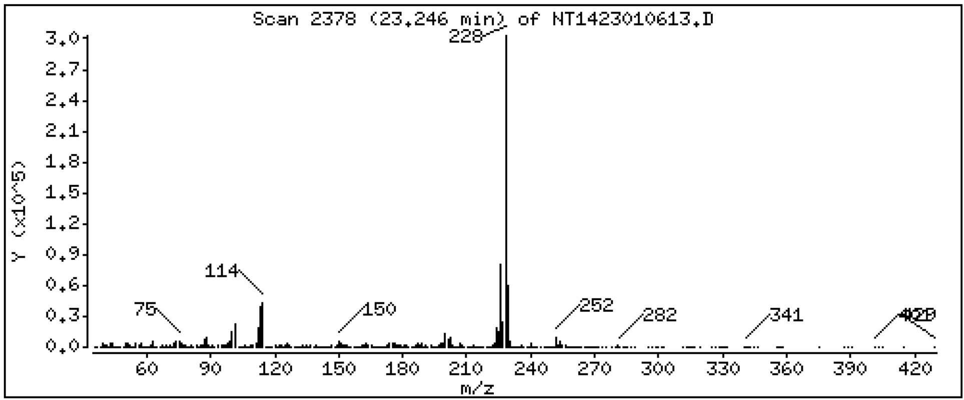
Client ID: Instrument: nt14.i

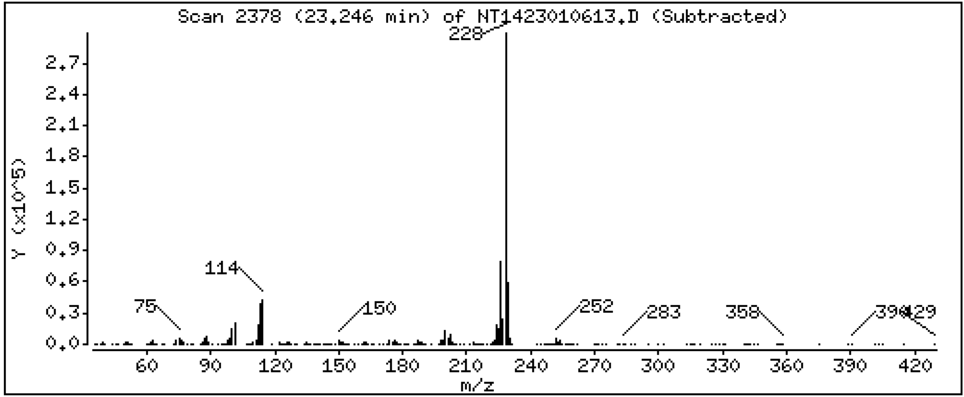
Sample Info: BKL0585-BSD1

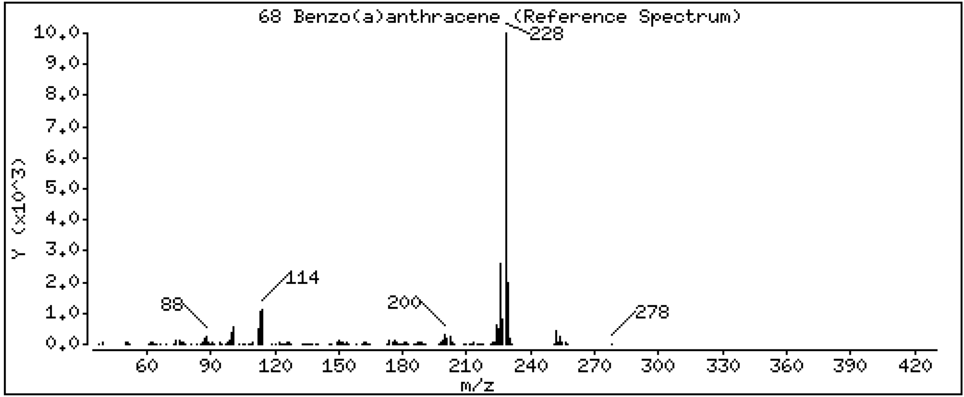
Operator: VTS

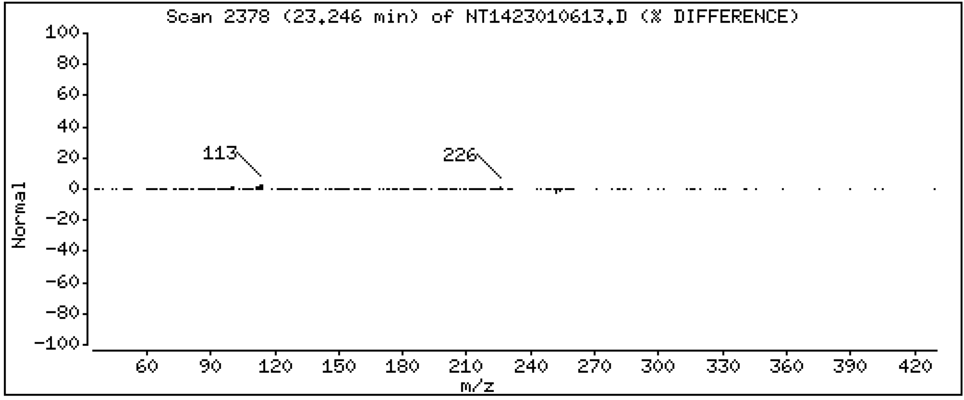
Column phase: ZB-5msi Column diameter: 0.25

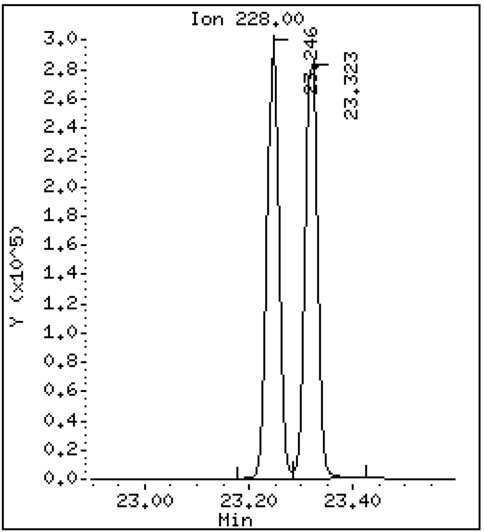
68 Benzo(a)anthracene Concentration: 4.839 ug/mL

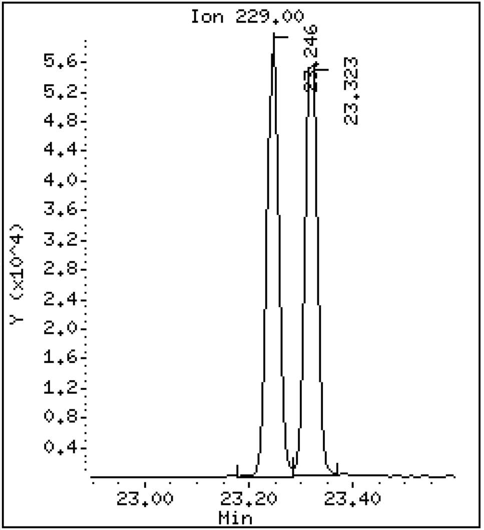


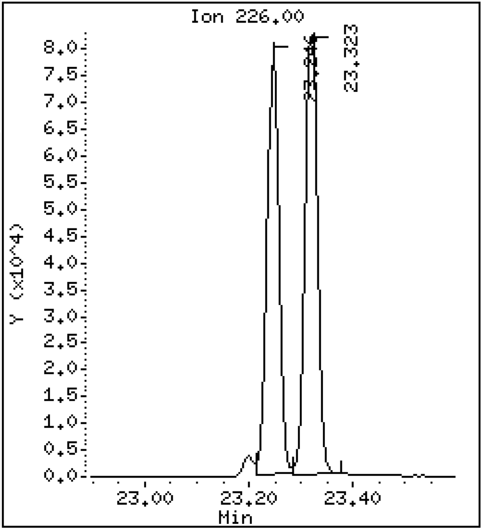












Data File: \\target\share\chem3\nt14.i\20230106.b\NT1423010613.D

Date : 06-JAN-2023 18:50

Client ID:

Instrument: nt14.i

Sample Info: BKL0585-BSD1

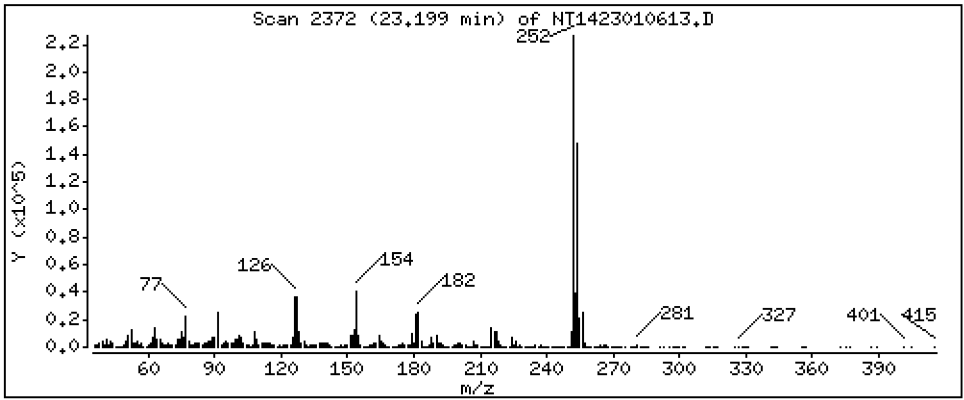
Operator: VTS

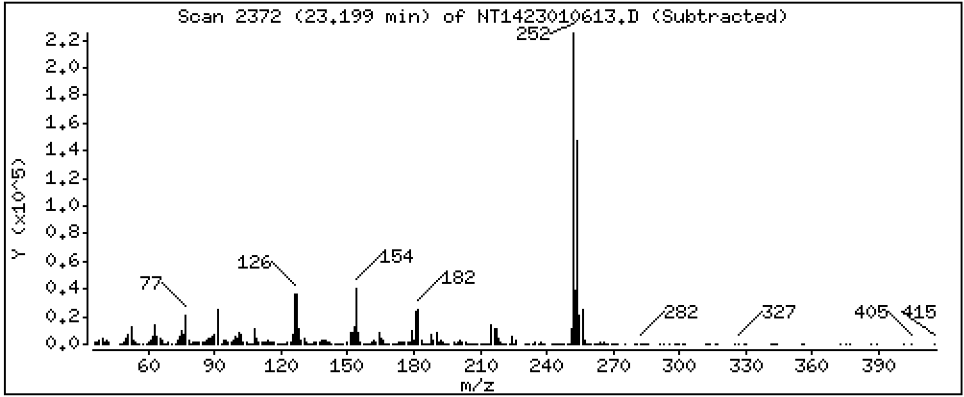
Column phase: ZB-5msi

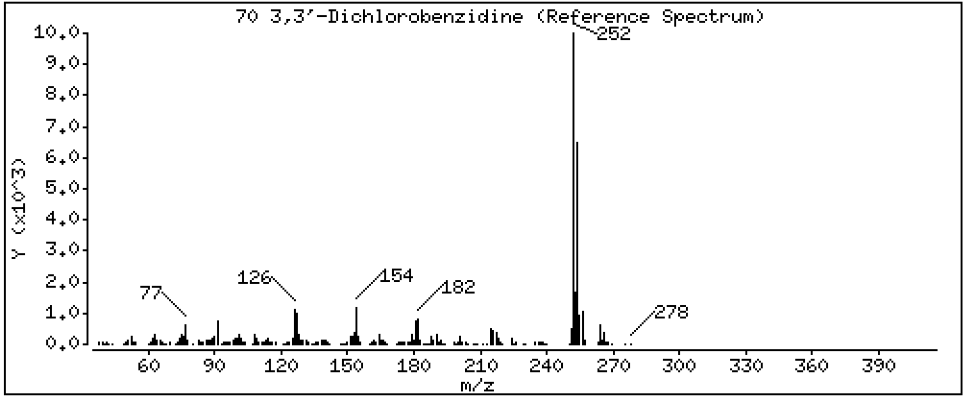
Column diameter: 0.25

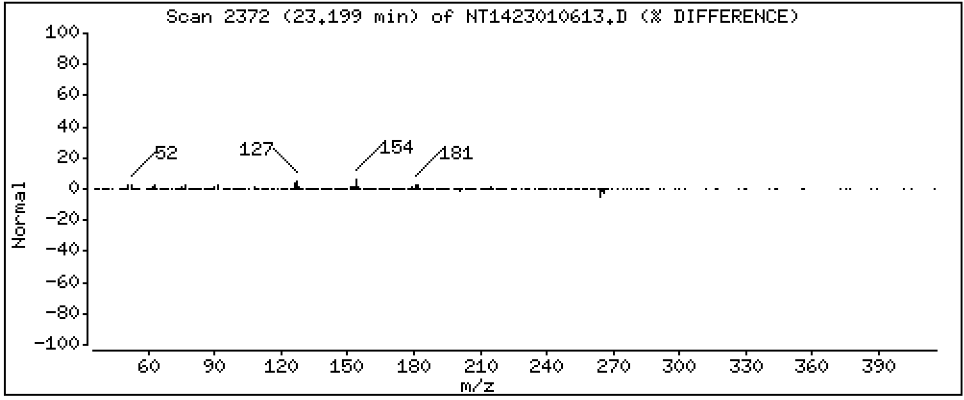
70 3,3'-Dichlorobenzidine

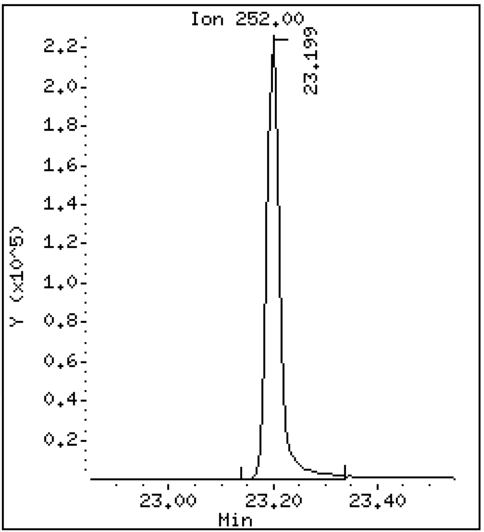
Concentration: 13.28 ug/mL

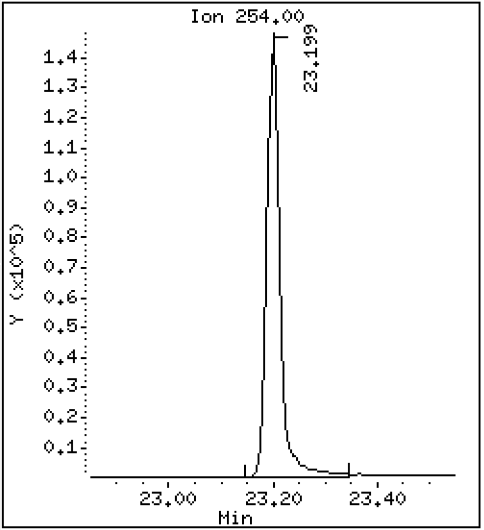


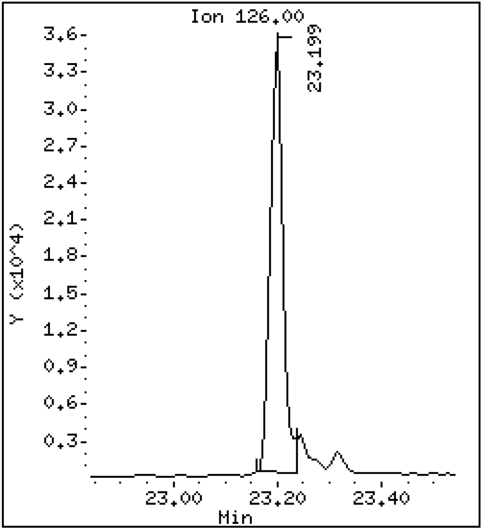












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Date : 06-JAN-2023 18:50

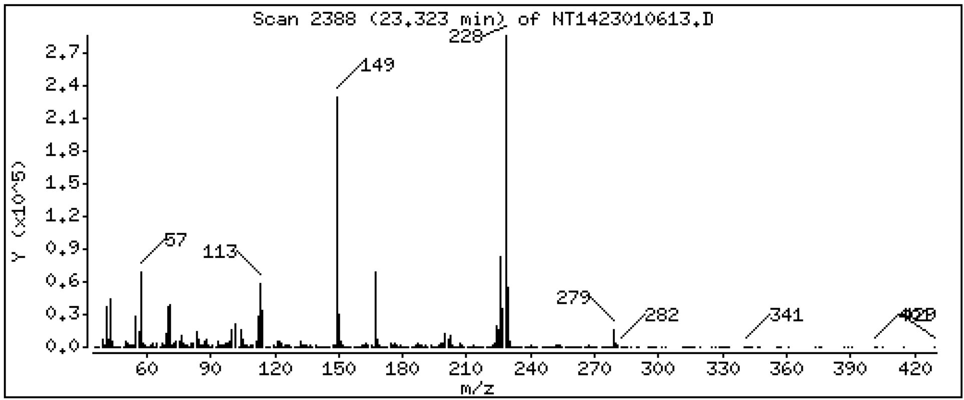
Client ID: Instrument: nt14.i

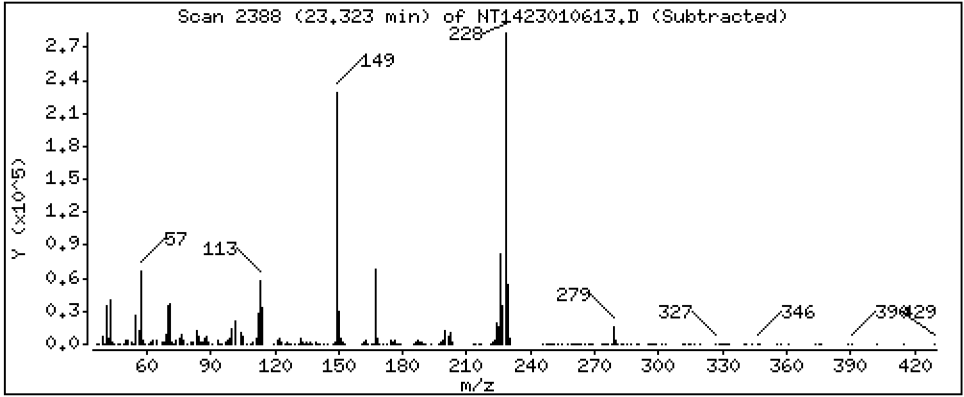
Sample Info: BKL0585-BSD1

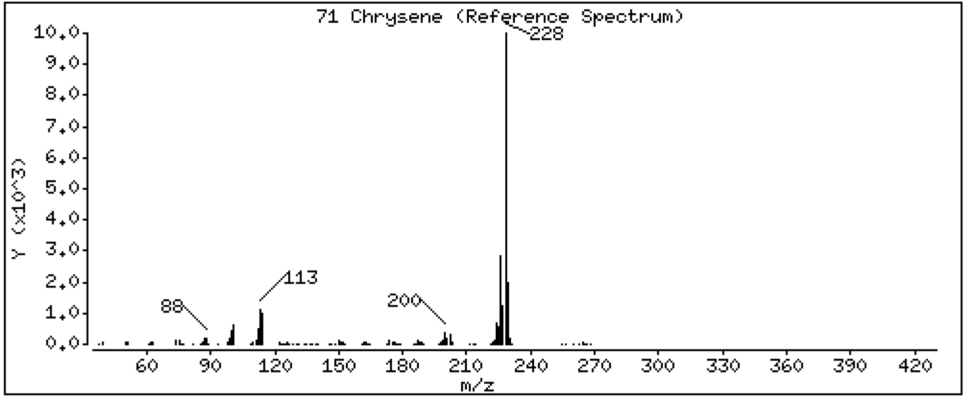
Operator: VTS

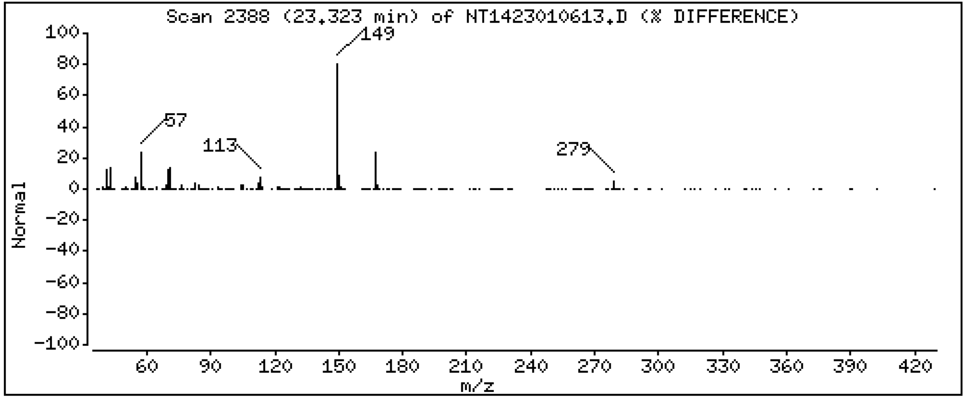
Column phase: ZB-5msi Column diameter: 0.25

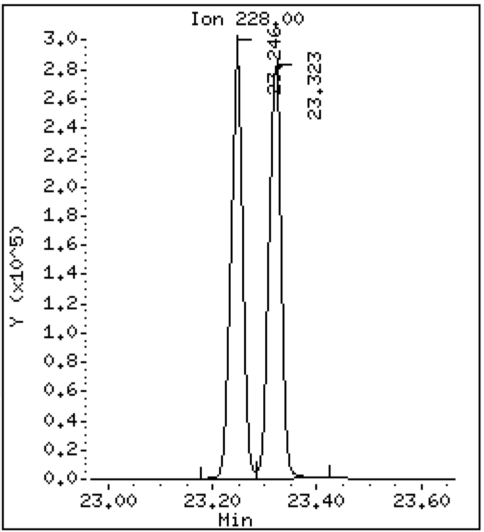
71 Chrysene Concentration: 5.105 ug/mL

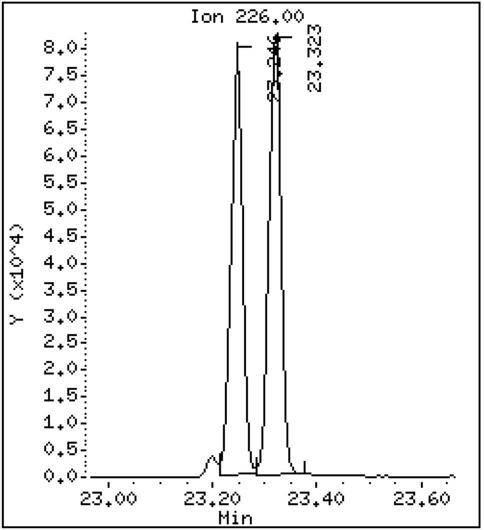


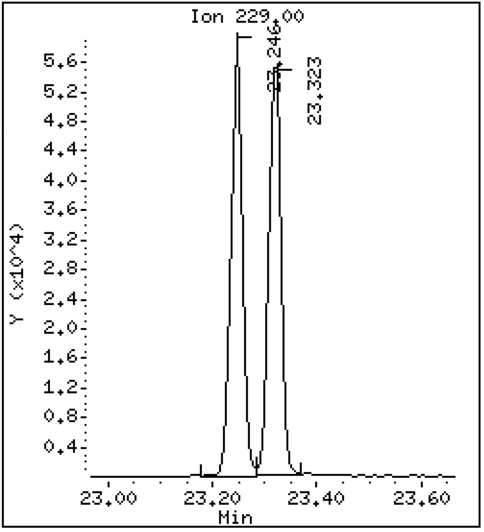












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Date : 06-JAN-2023 18:50

Client ID:

Instrument: nt14.i

Sample Info: BKL0585-BSD1

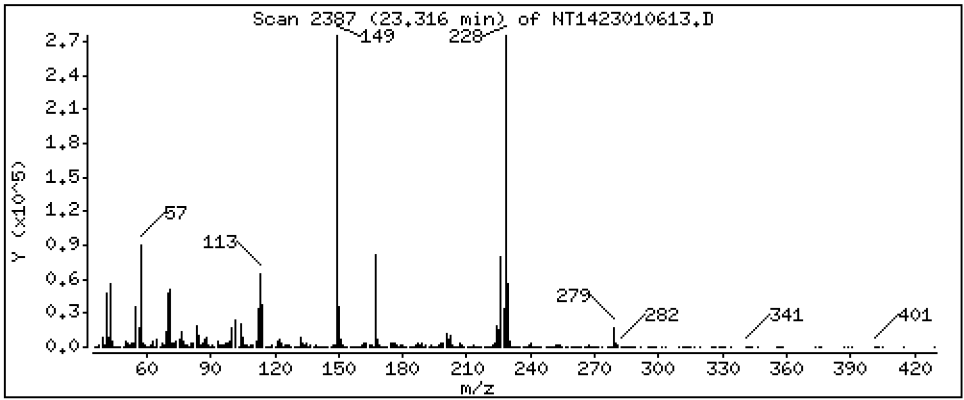
Operator: VTS

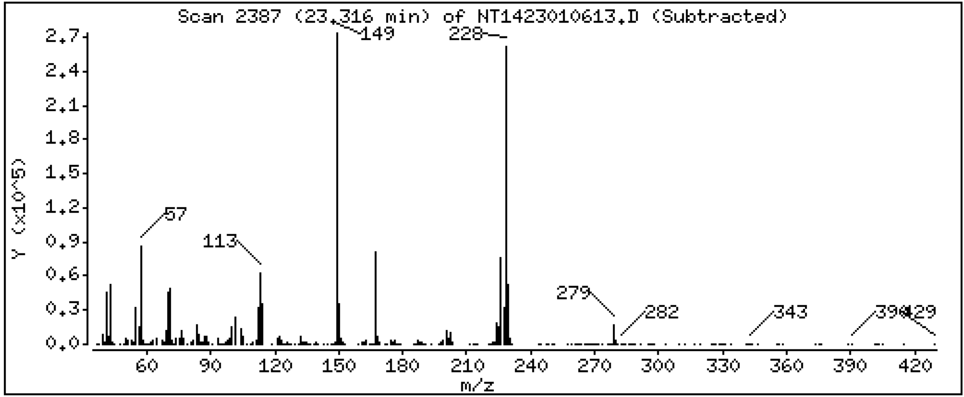
Column phase: ZB-5msi

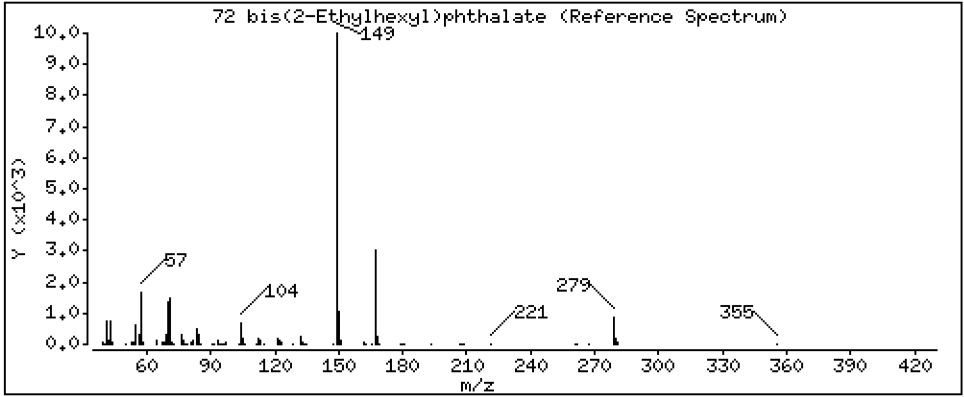
Column diameter: 0.25

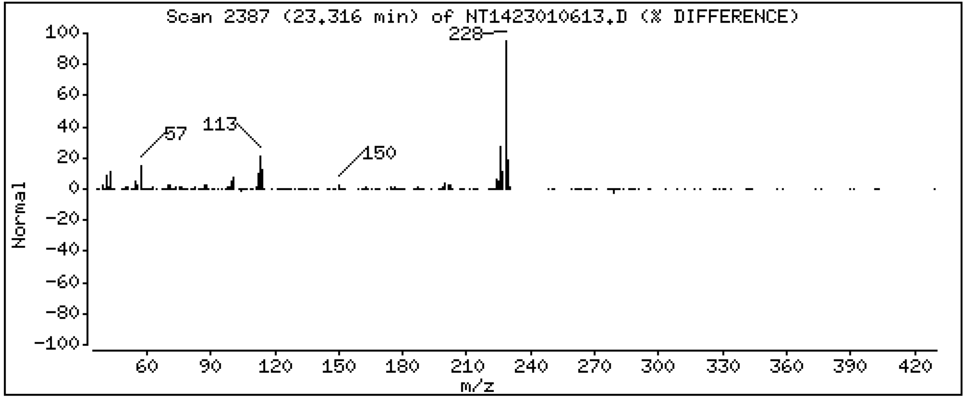
72 bis(2-Ethylhexyl)phthalate

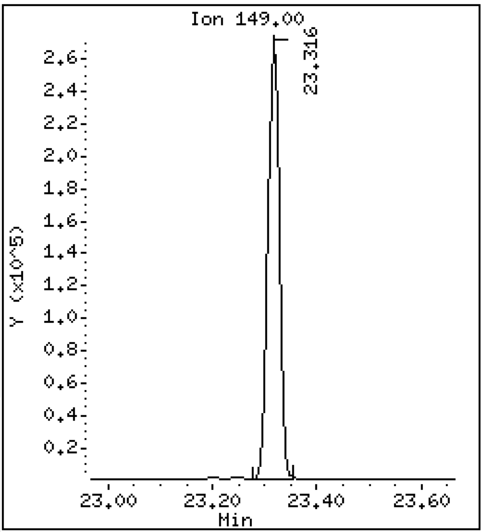
Concentration: 5.422 ug/mL

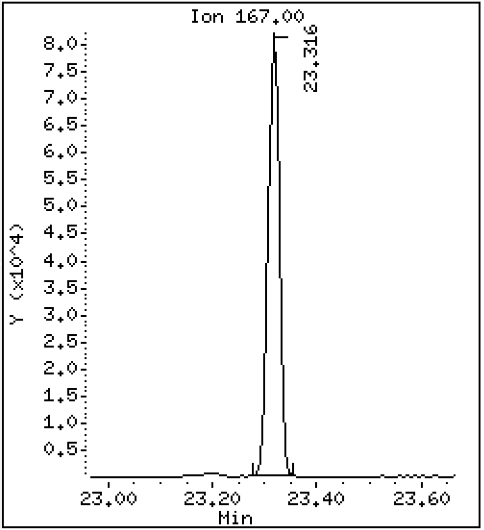

Scan 2387 (23.316 min) of NT1423010613.D


Scan 2387 (23.316 min) of NT1423010613.D (Subtracted)


72 bis(2-Ethylhexyl)phthalate (Reference Spectrum)


Scan 2387 (23.316 min) of NT1423010613.D (% DIFFERENCE)


Ion 149.00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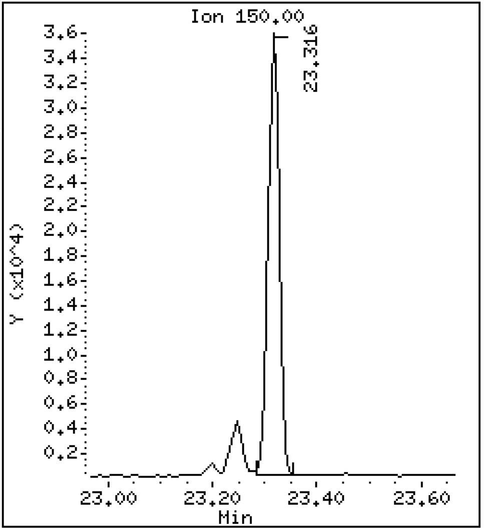
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Data File: \\target\share\chem3\nt14.i\20230106.b\NT1423010613.D

Date : 06-JAN-2023 18:50

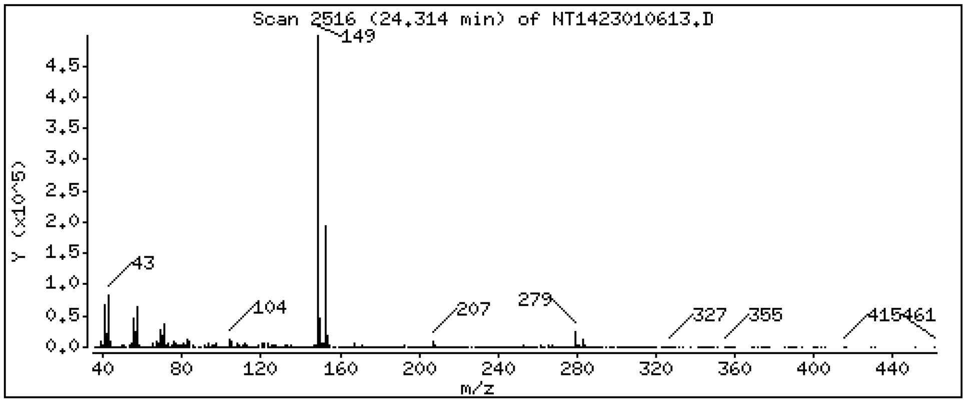
Client ID: Instrument: nt14.i

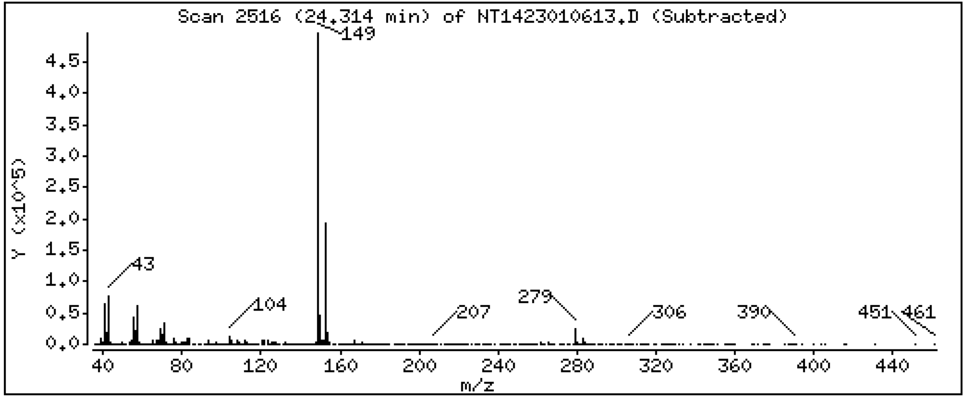
Sample Info: BKL0585-BSD1

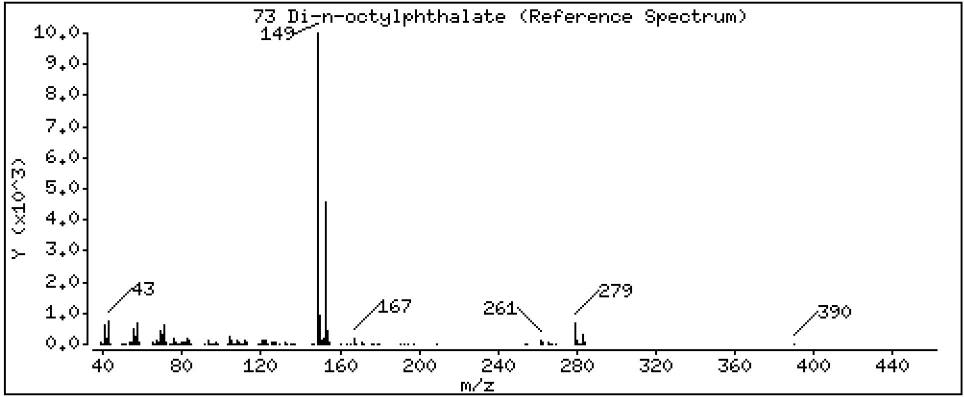
Operator: VTS

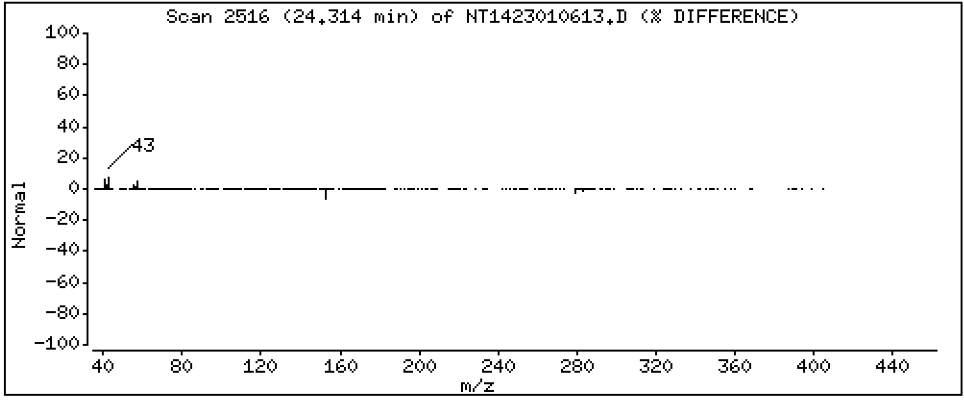
Column phase: ZB-5msi Column diameter: 0.25

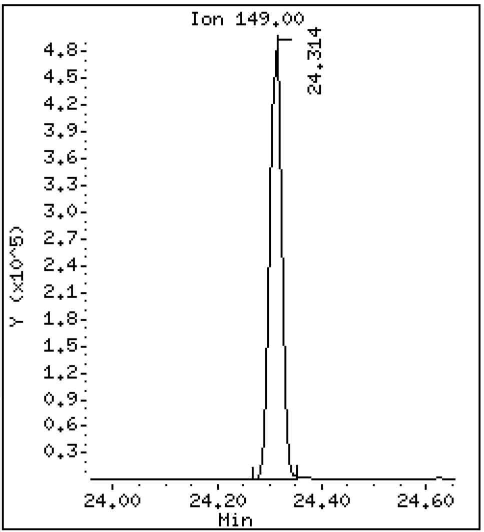
73 Di-n-octylphthalate Concentration: 4.704 ug/mL


Scan 2516 (24.314 min) of NT1423010613.D


Scan 2516 (24.314 min) of NT1423010613.D (Subtracted)


73 Di-n-octylphthalate (Reference Spectrum)


Scan 2516 (24.314 min) of NT1423010613.D (% DIFFERENCE)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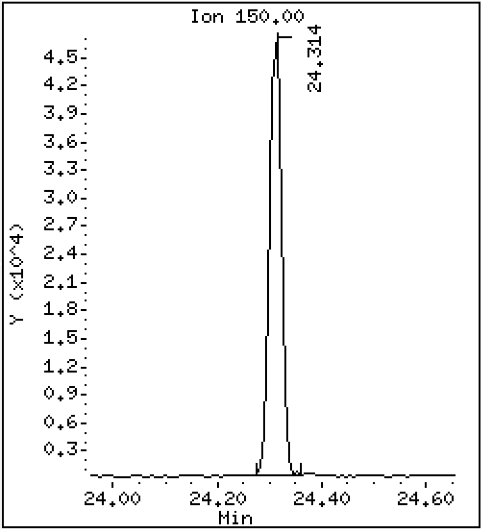
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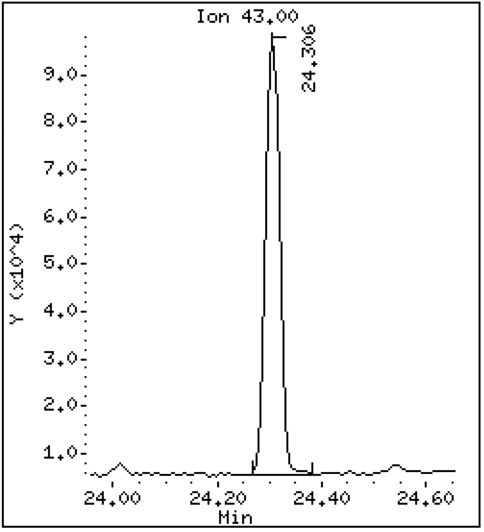
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Data File: \\target\share\chem3\nt14.i\20230106.b\NT1423010613.D

Date : 06-JAN-2023 18:50

Client ID:

Instrument: nt14.i

Sample Info: BKL0585-BSD1

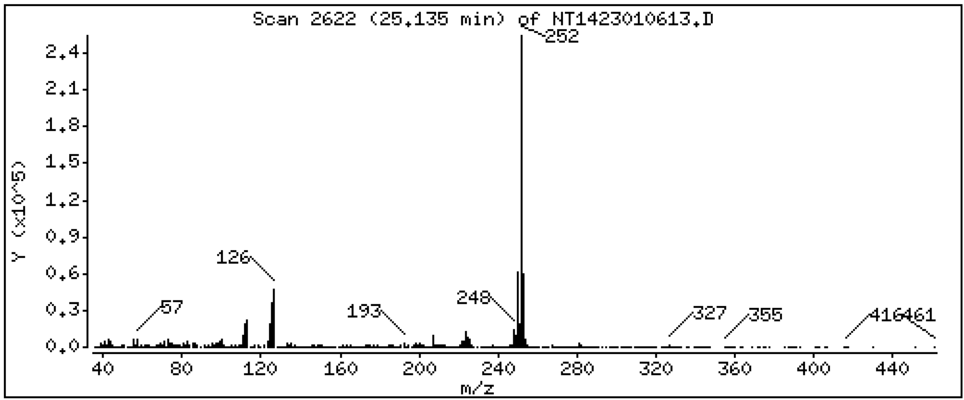
Operator: VTS

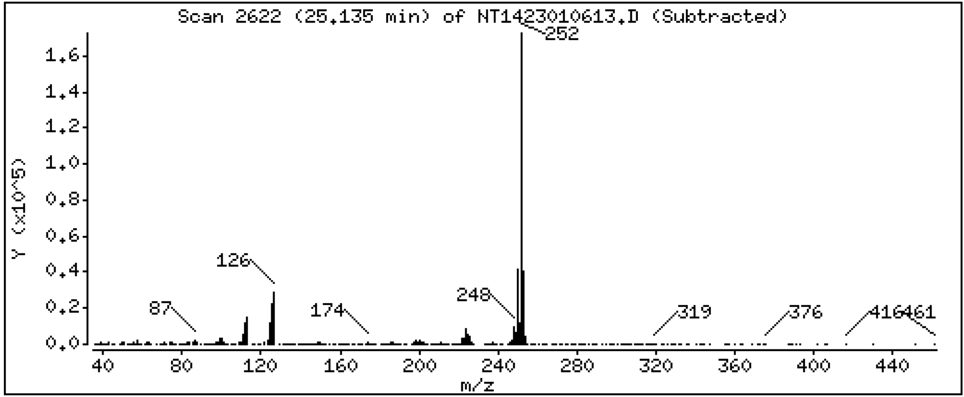
Column phase: ZB-5msi

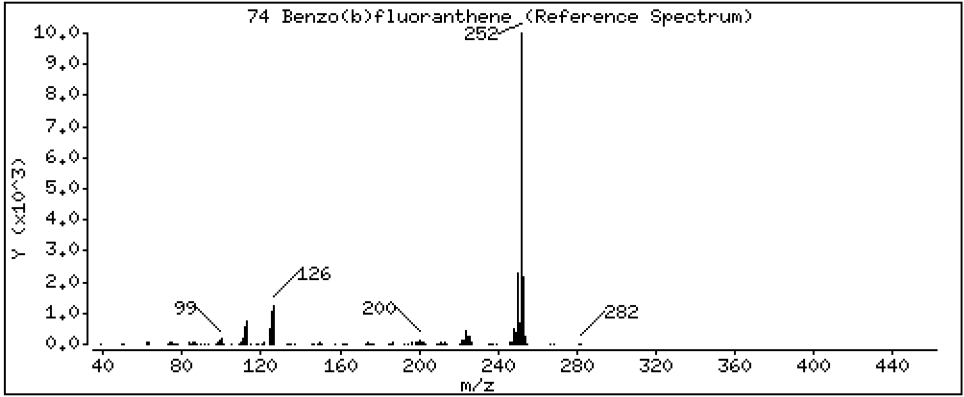
Column diameter: 0.25

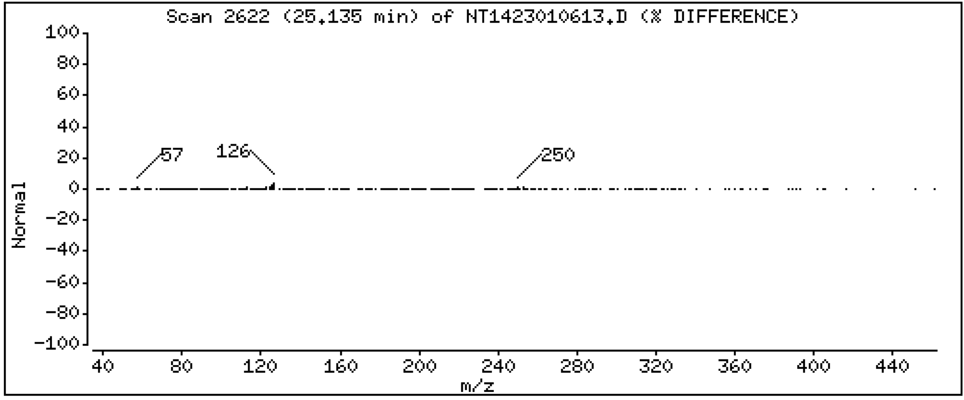
74 Benzo(b)fluoranthene

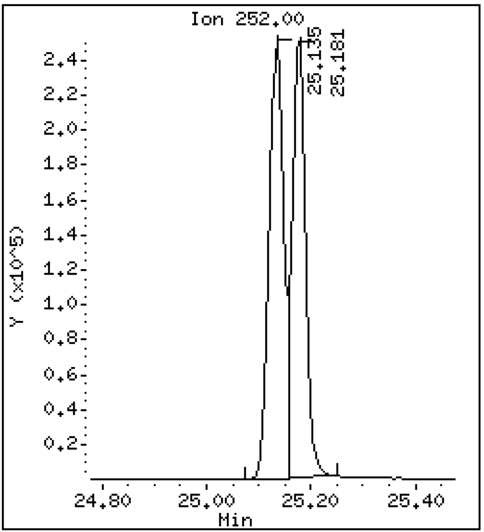
Concentration: 4.776 ug/mL

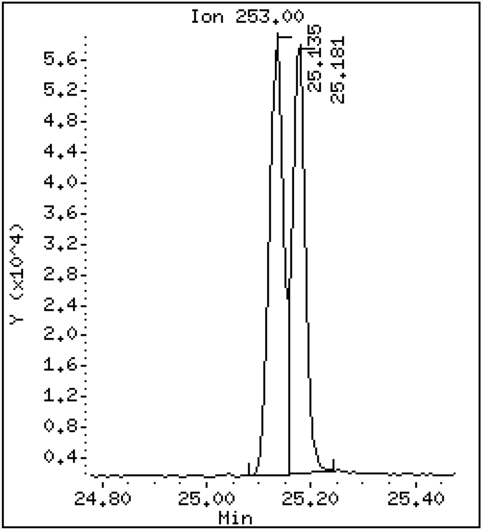


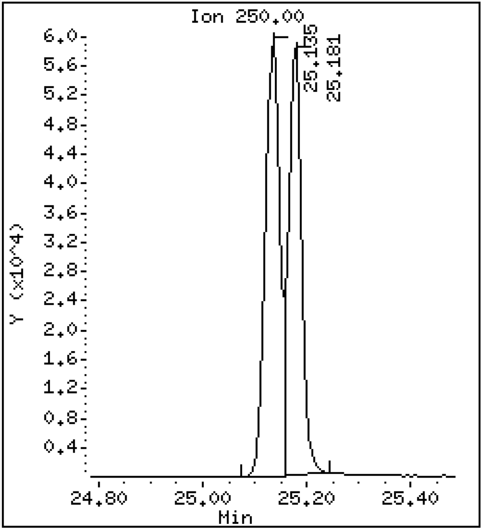












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Date : 06-JAN-2023 18:50

Client ID:

Instrument: nt14.i

Sample Info: BKL0585-BSD1

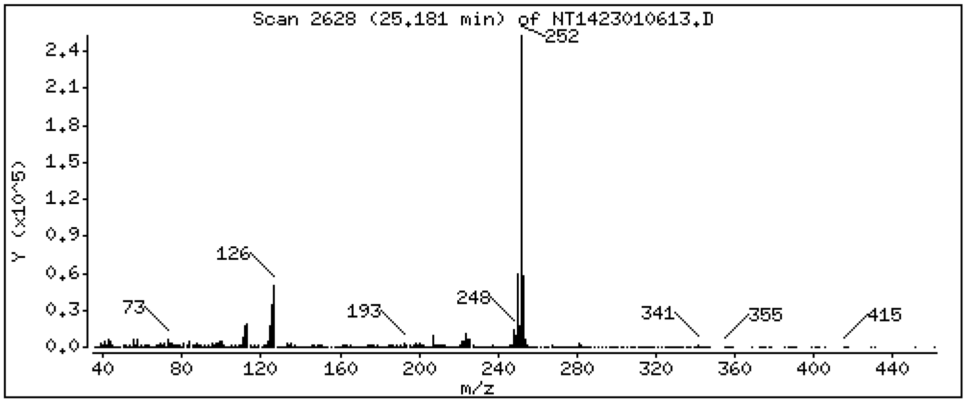
Operator: VTS

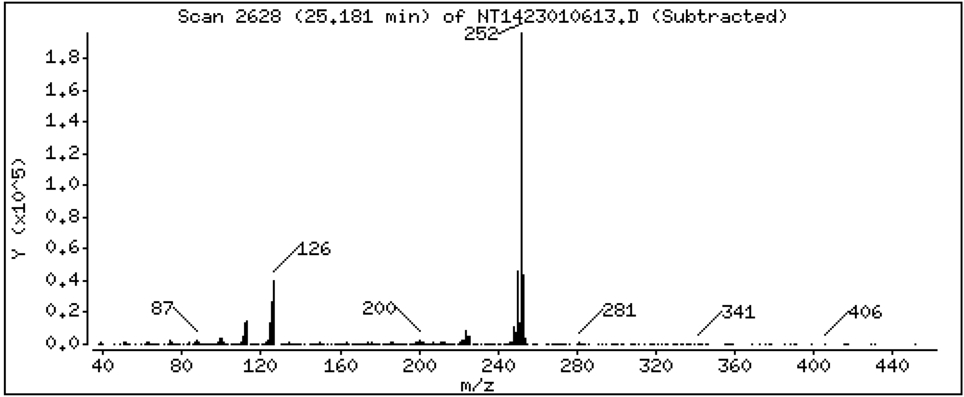
Column phase: ZB-5msi

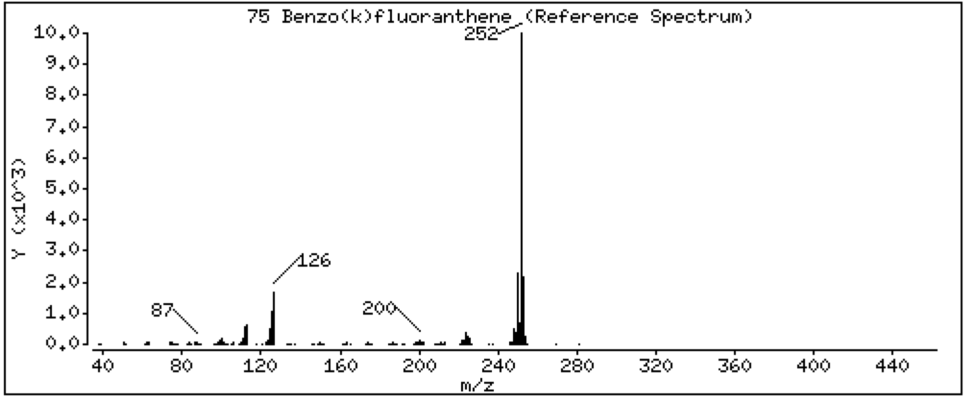
Column diameter: 0.25

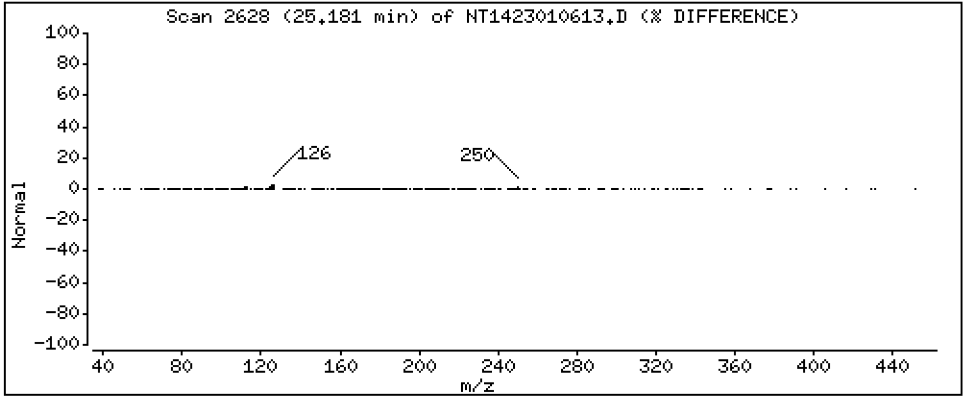
75 Benzo(k)fluoranthene

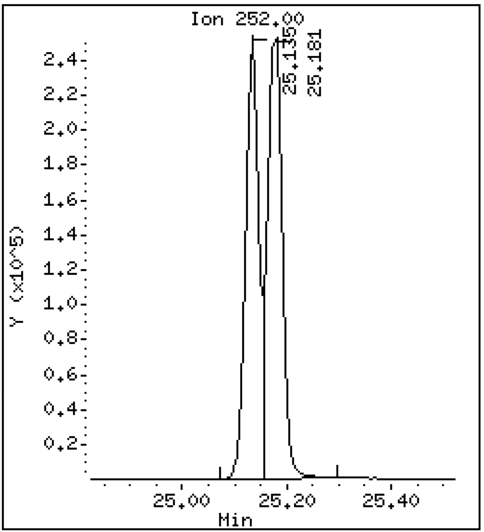
Concentration: 4.599 ug/mL

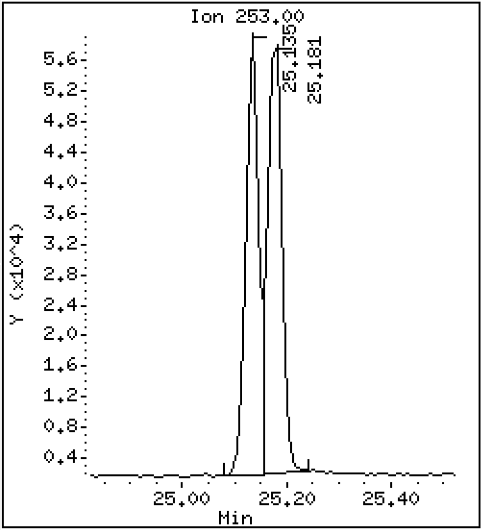


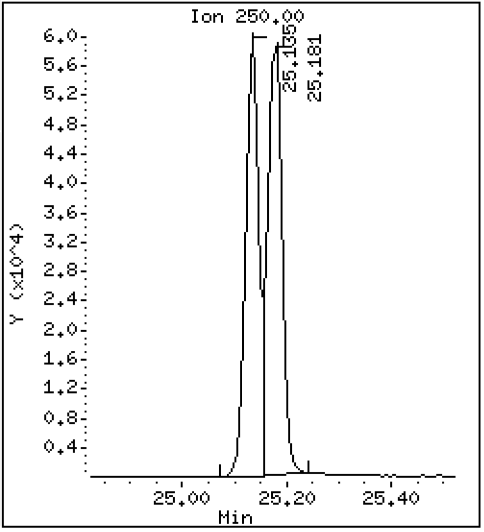












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Date : 06-JAN-2023 18:50

Client ID:

Instrument: nt14.i

Sample Info: BKL0585-BSD1

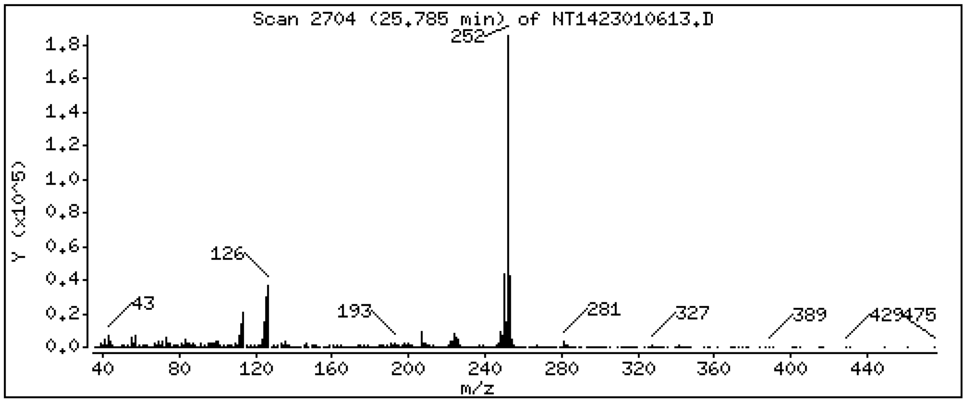
Operator: VTS

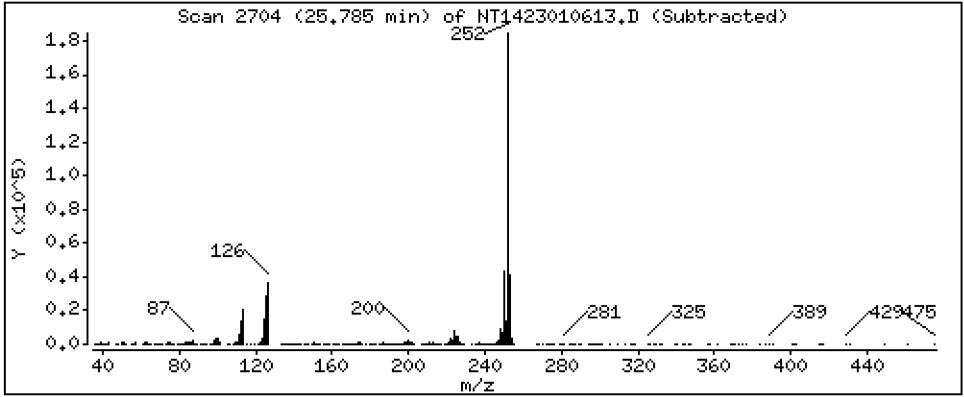
Column phase: ZB-5msi

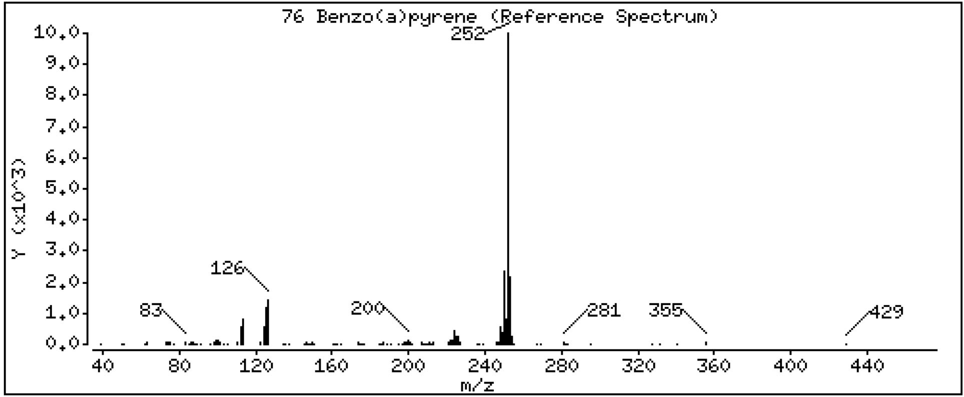
Column diameter: 0.25

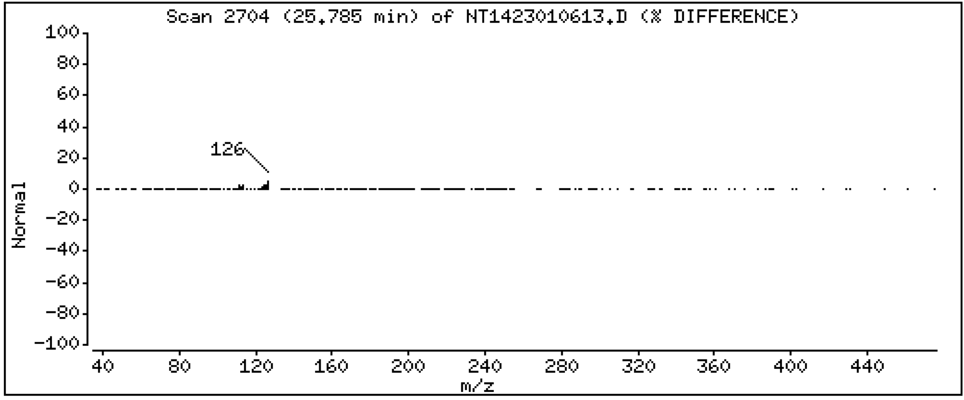
76 Benzo(a)pyrene

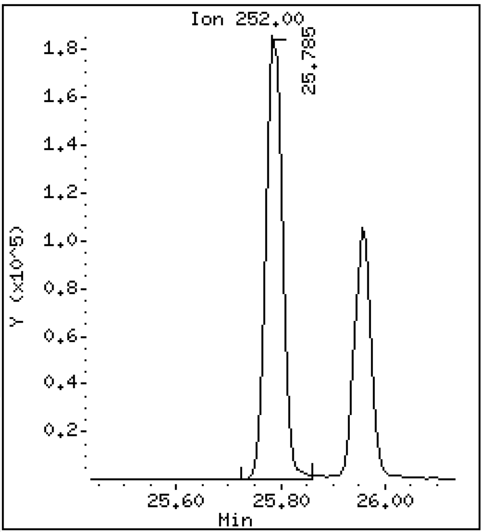
Concentration: 4.617 ug/mL

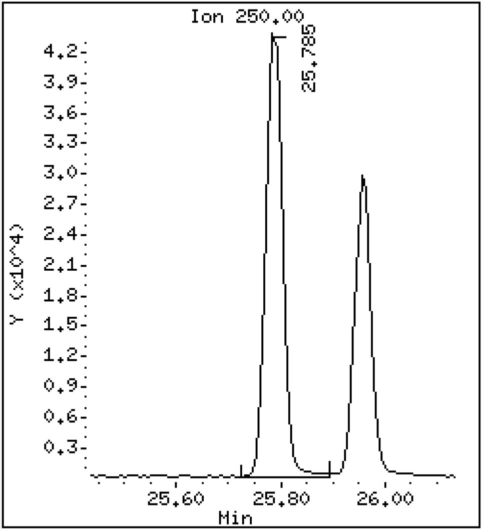


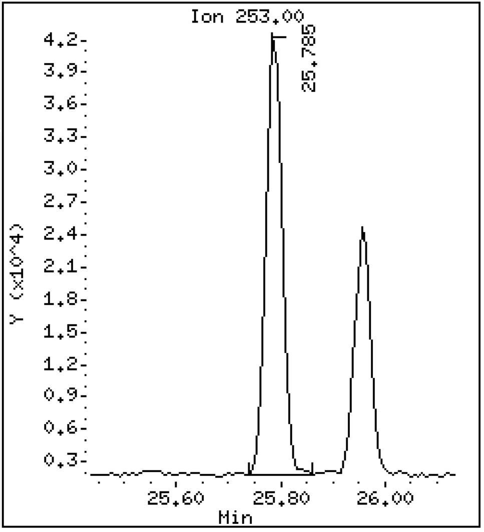












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Date : 06-JAN-2023 18:50

Client ID:

Instrument: nt14.i

Sample Info: BKL0585-BSD1

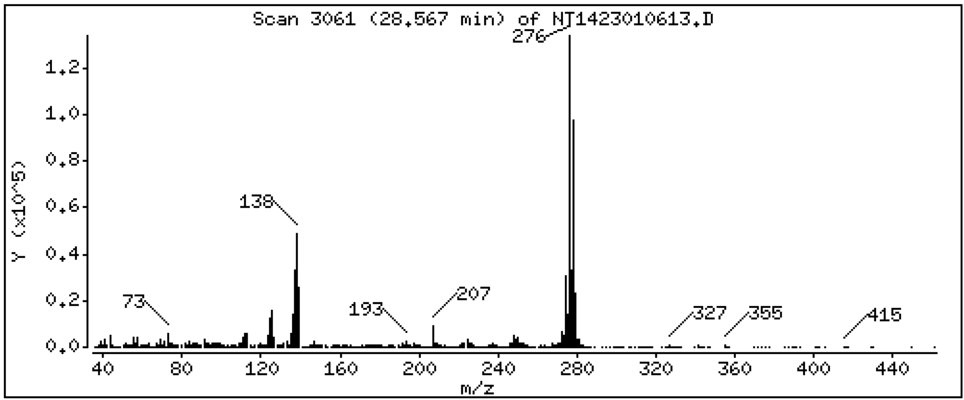
Operator: VTS

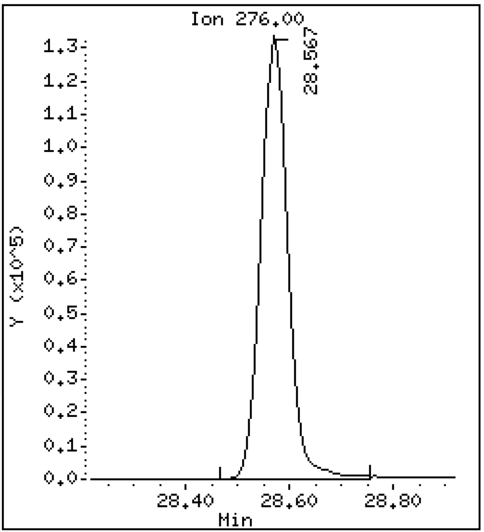
Column phase: ZB-5msi

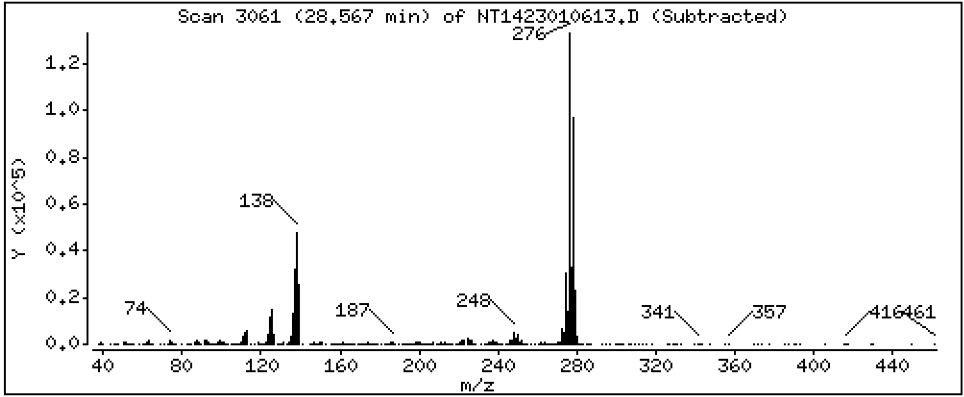
Column diameter: 0.25

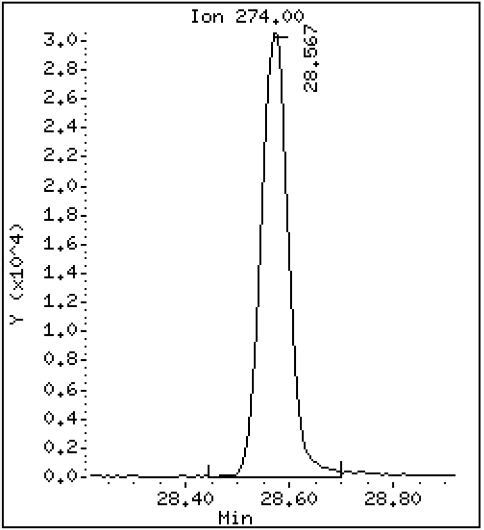
78 Indeno(1,2,3-cd)pyrene

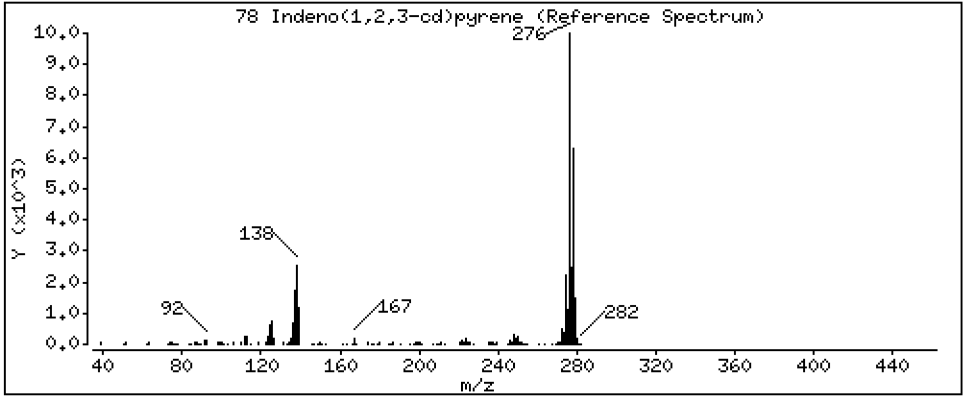
Concentration: 4.926 ug/mL

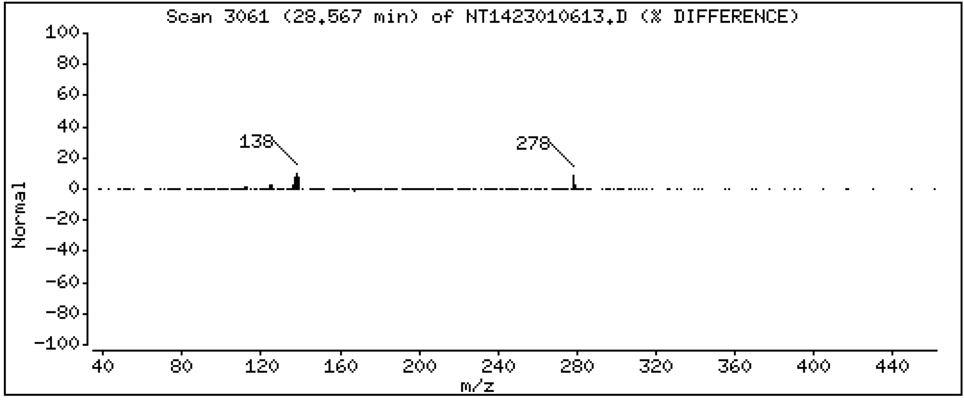


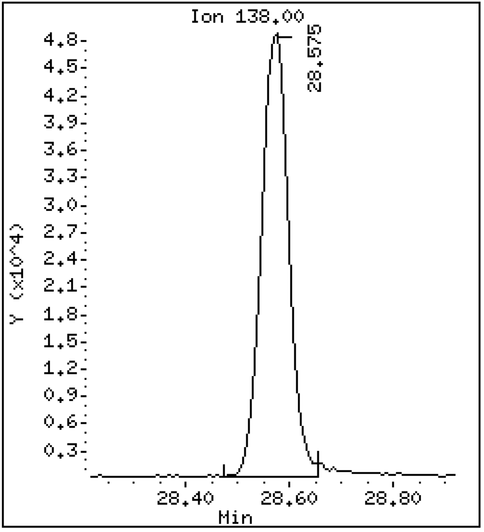












Data File: \\target\share\chem3\nt14.i\20230106.b\NT1423010613.D

Date : 06-JAN-2023 18:50

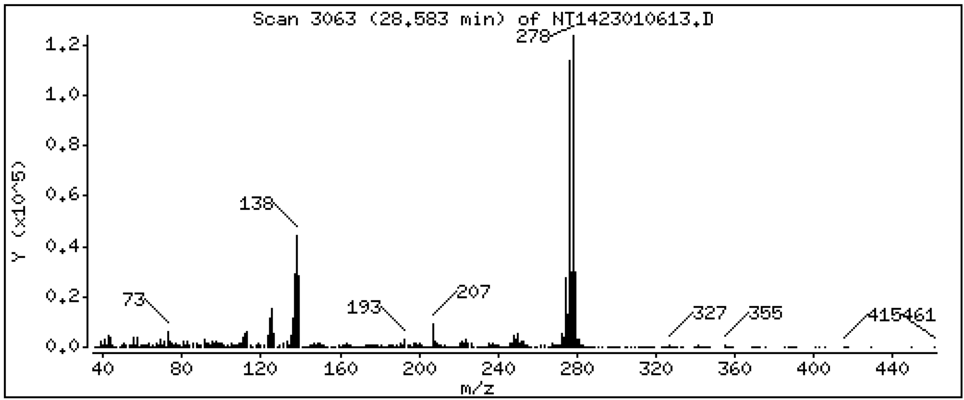
Client ID: Instrument: nt14.i

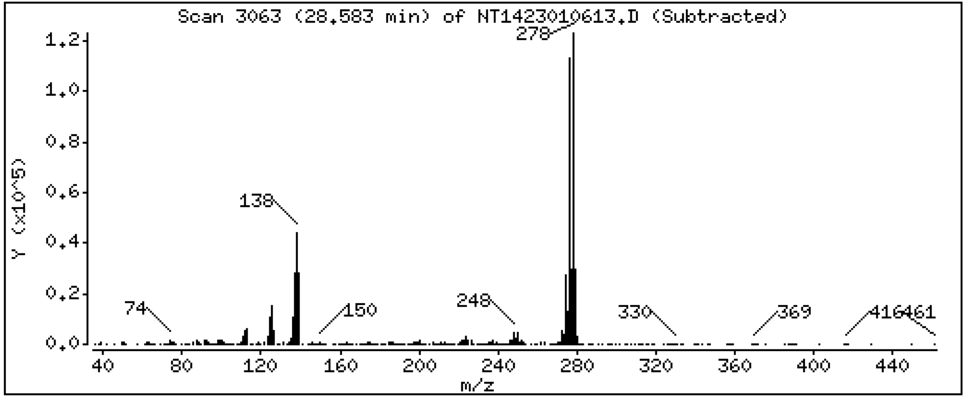
Sample Info: BKL0585-BSD1

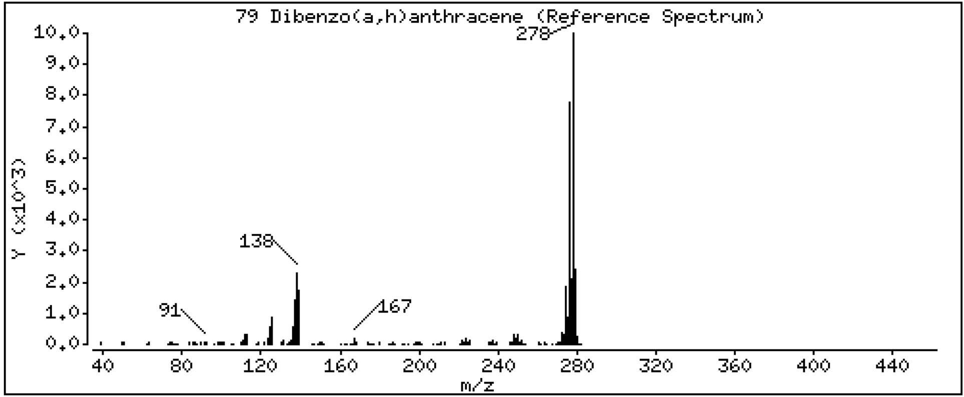
Operator: VTS

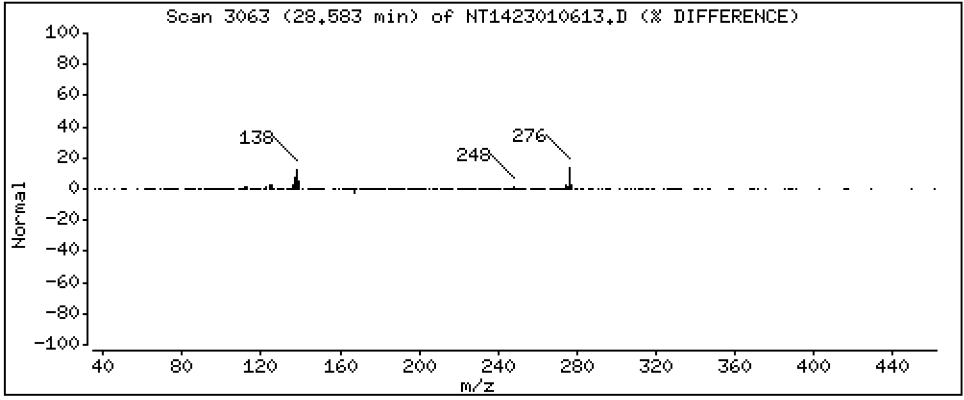
Column phase: ZB-5msi Column diameter: 0.25

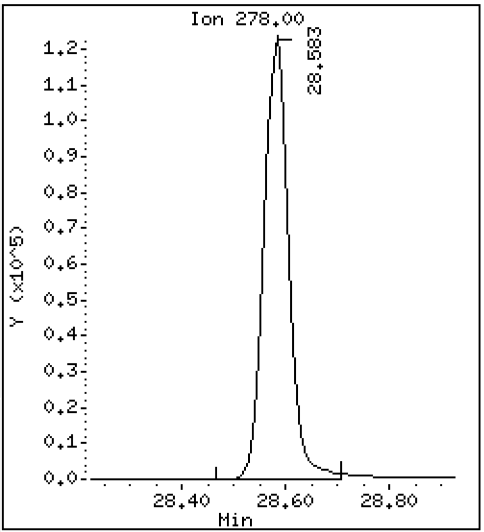
79 Dibenzo(a,h)anthracene Concentration: 4.891 ug/mL

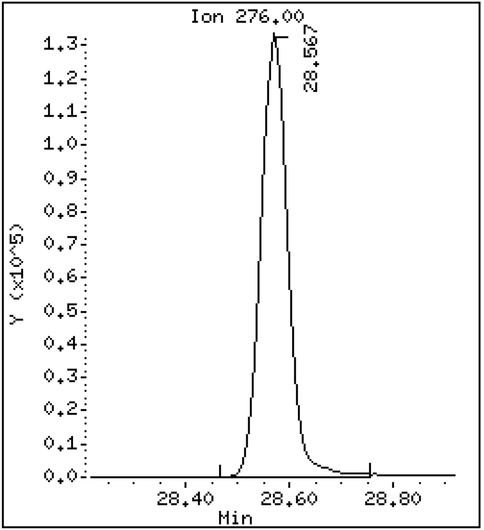

Scan 3063 (28.583 min) of NT1423010613.D

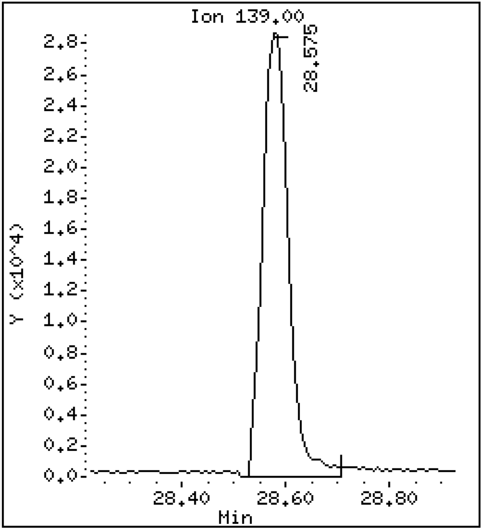

Scan 3063 (28.583 min) of NT1423010613.D (Subtracted)


79 Dibenzo(a,h)anthracene (Reference Spectrum)


Scan 3063 (28.583 min) of NT1423010613.D (% DIFFERENCE)


Ion 278.00


Ion 276.00


Ion 139.00

Data File: \\target\share\chem3\nt14.i\20230106.b\NT1423010613.D

Date : 06-JAN-2023 18:50

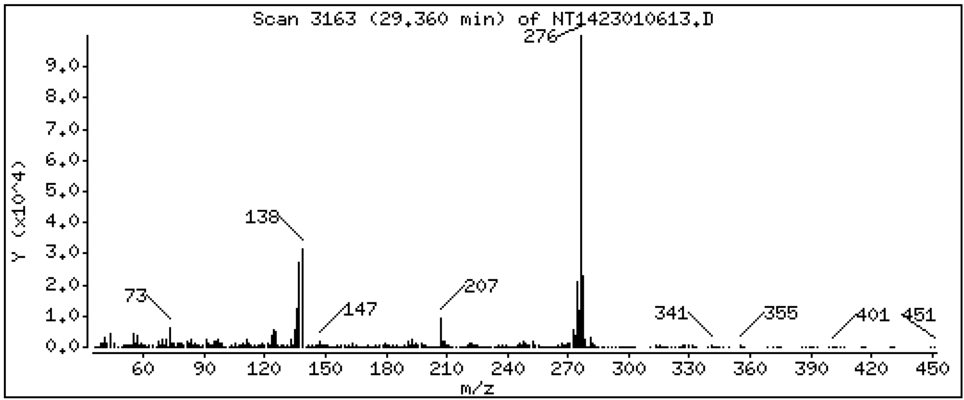
Client ID: Instrument: nt14.i

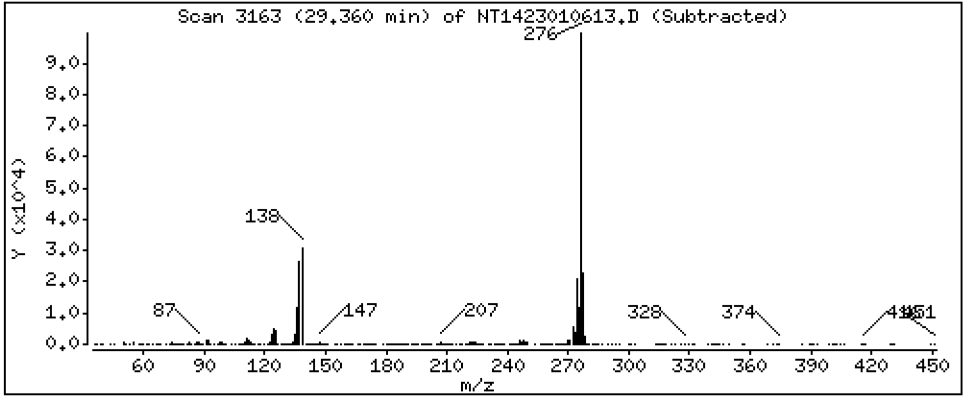
Sample Info: BKL0585-BSD1

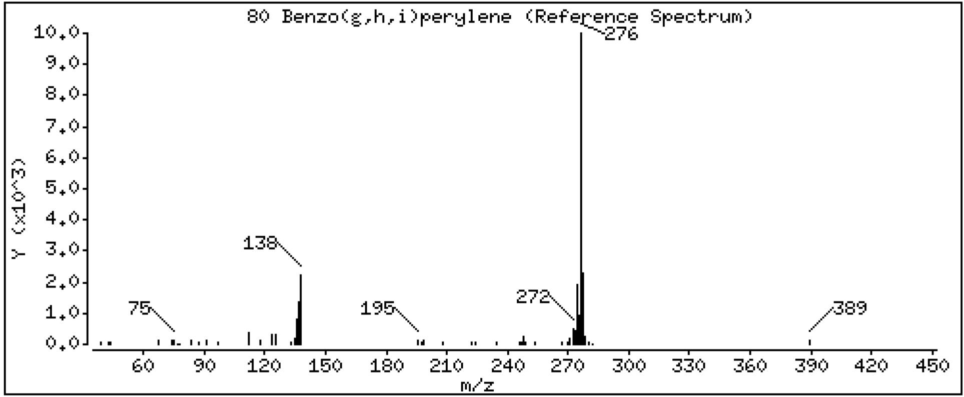
Operator: VTS

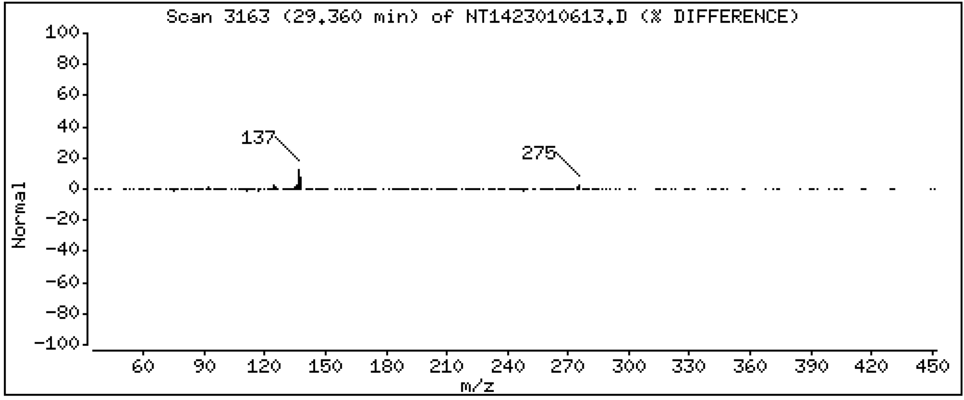
Column phase: ZB-5msi Column diameter: 0.25

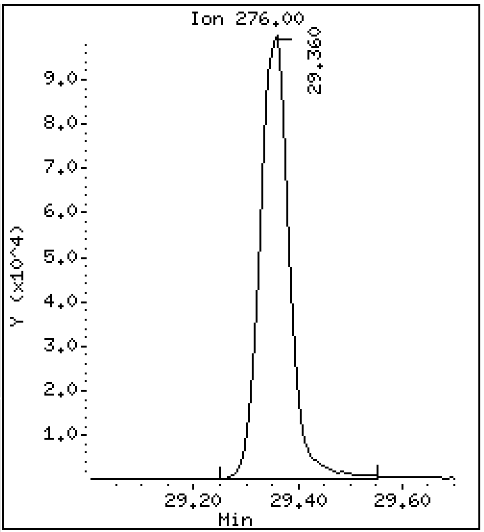
80 Benzo(g,h,i)perylene Concentration: 4.785 ug/mL

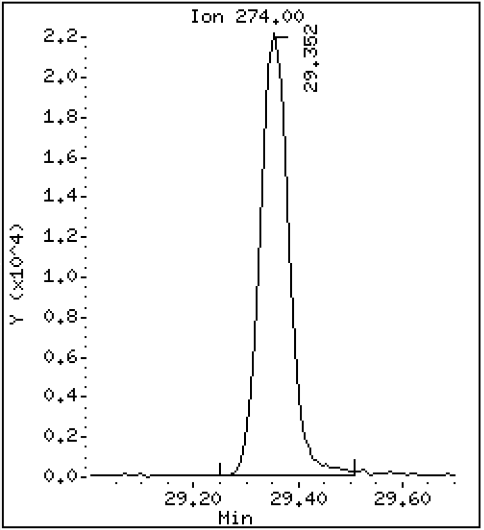

Scan 3163 (29.360 min) of NT1423010613.D

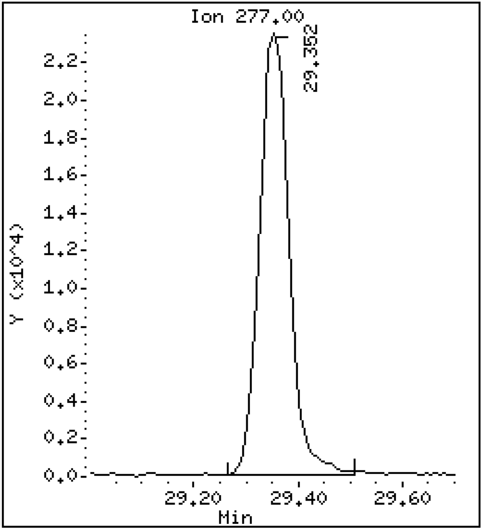

Scan 3163 (29.360 min) of NT1423010613.D (Subtracted)


80 Benzo(g,h,i)perylene (Reference Spectrum)


Scan 3163 (29.360 min) of NT1423010613.D (% DIFFERENCE)


Ion 276.00


Ion 274.00


Ion 277.00

Data File: \\target\share\chem3\nt14.i\20230106.b\NT1423010613.D

Date : 06-JAN-2023 18:50

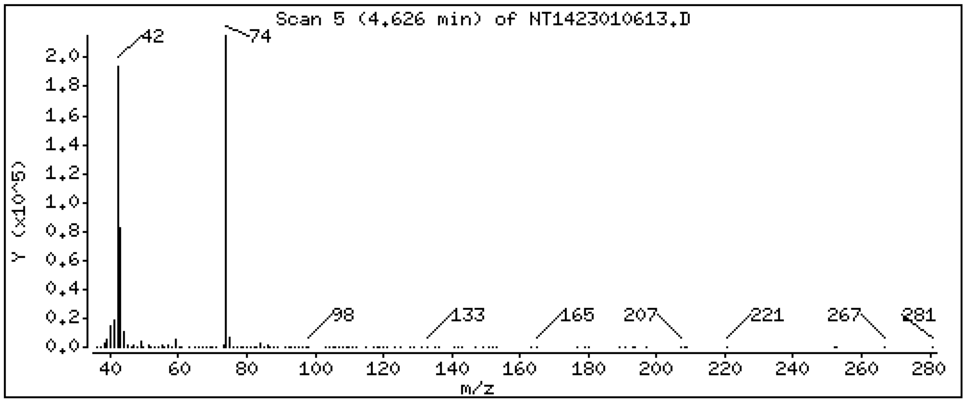
Client ID: Instrument: nt14.i

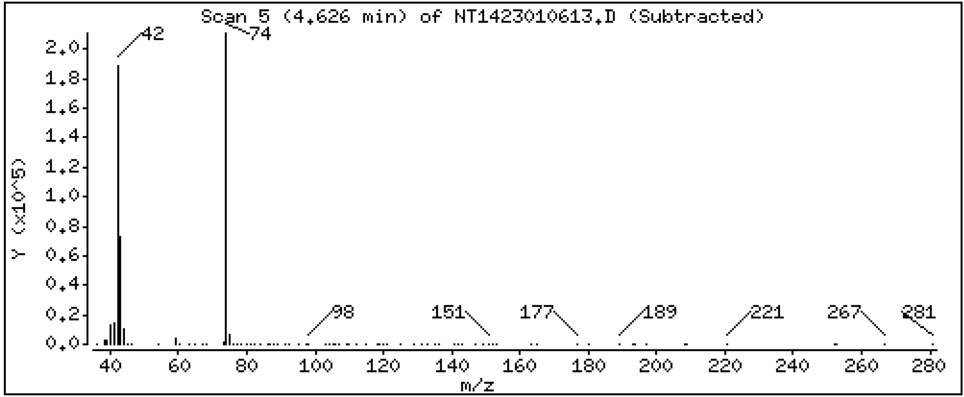
Sample Info: BKL0585-BSD1

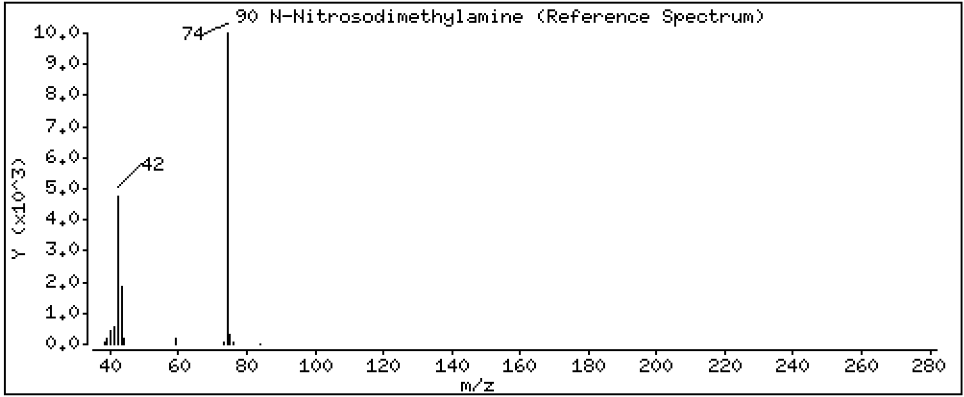
Operator: VTS

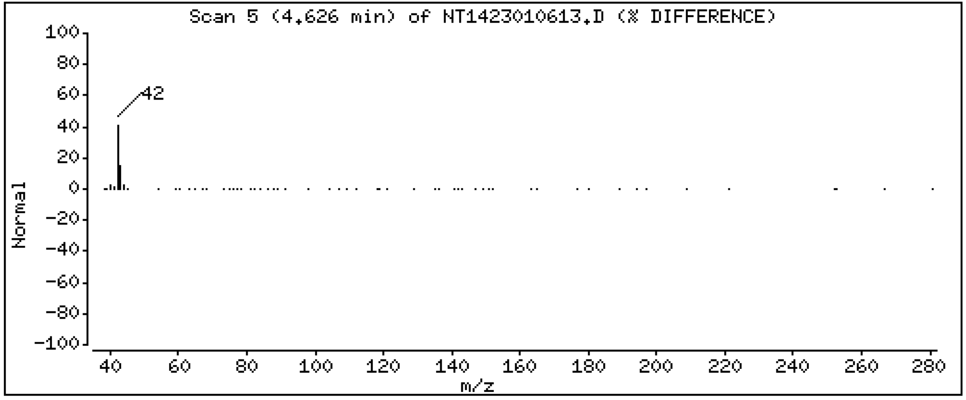
Column phase: ZB-5msi Column diameter: 0.25

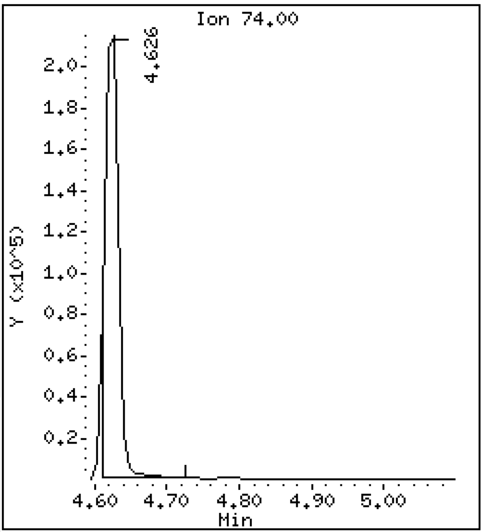
90 N-Nitrosodimethylamine Concentration: 9.791 ug/mL

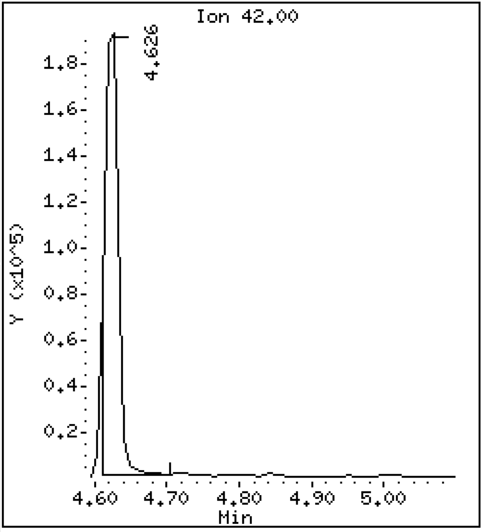

Scan 5 (4.626 min) of NT1423010613.D


Scan 5 (4.626 min) of NT1423010613.D (Subtracted)


90 N-Nitrosodimethylamine (Reference Spectrum)


Scan 5 (4.626 min) of NT1423010613.D (% DIFFERENCE)


Ion 74.00


Ion 42.00

Data File: \\target\share\chem3\nt14.i\20230106.b\NT1423010613.D

Date : 06-JAN-2023 18:50

Client ID:

Instrument: nt14.i

Sample Info: BKL0585-BSD1

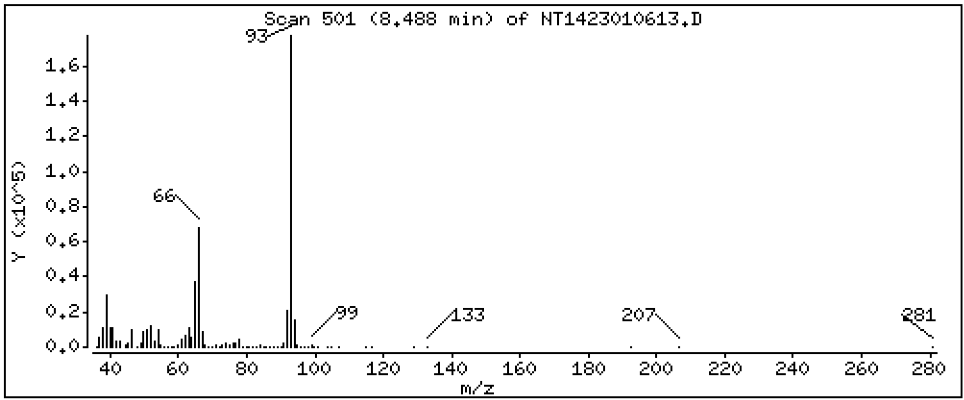
Operator: VTS

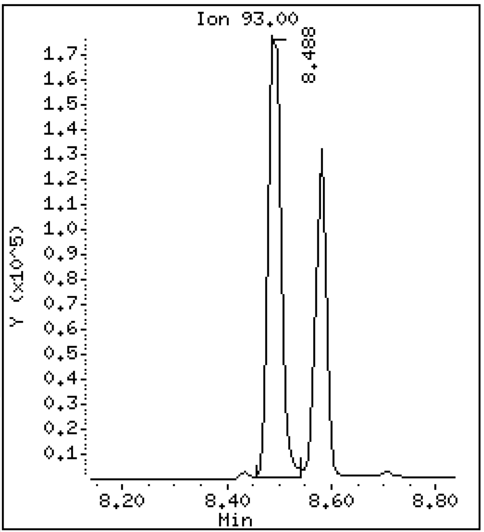
Column phase: ZB-5msi

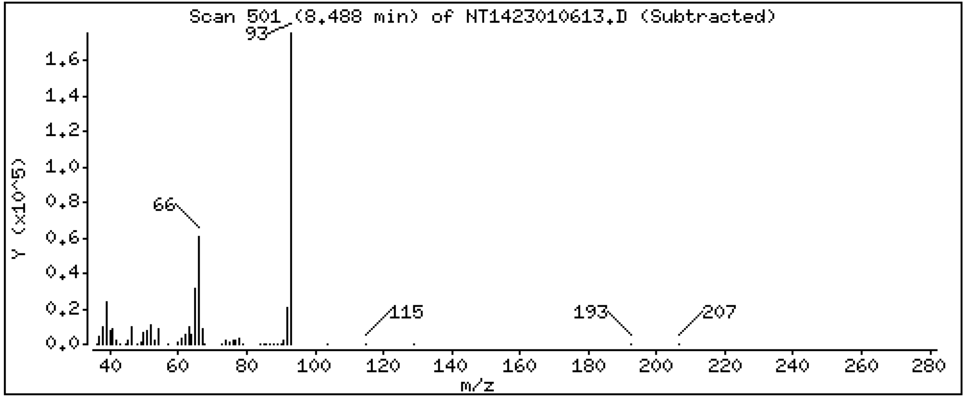
Column diameter: 0.25

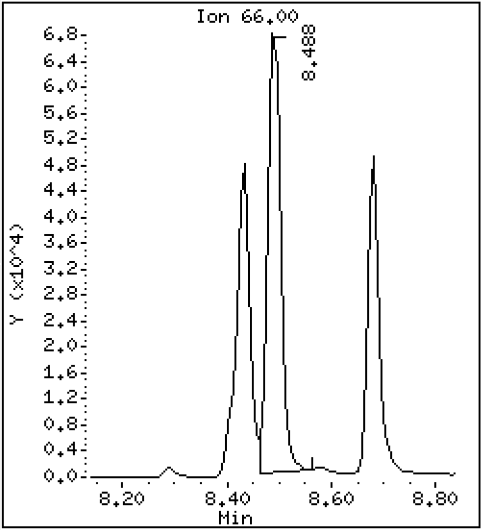
91 Aniline

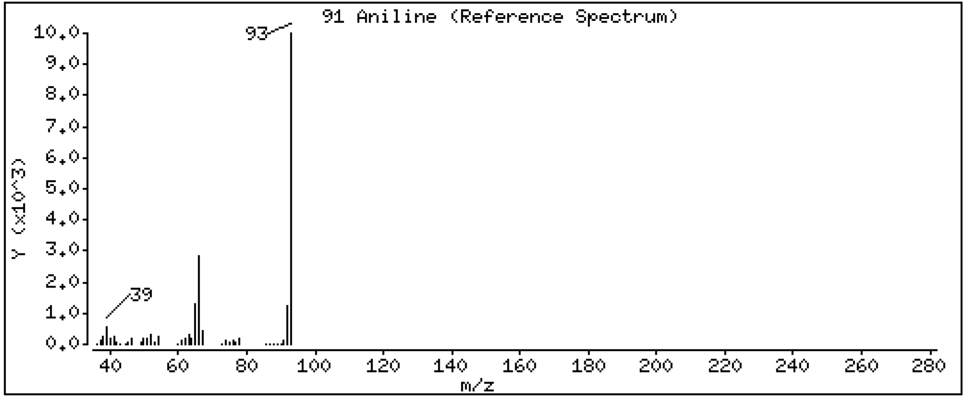
Concentration: 4.844 ug/mL

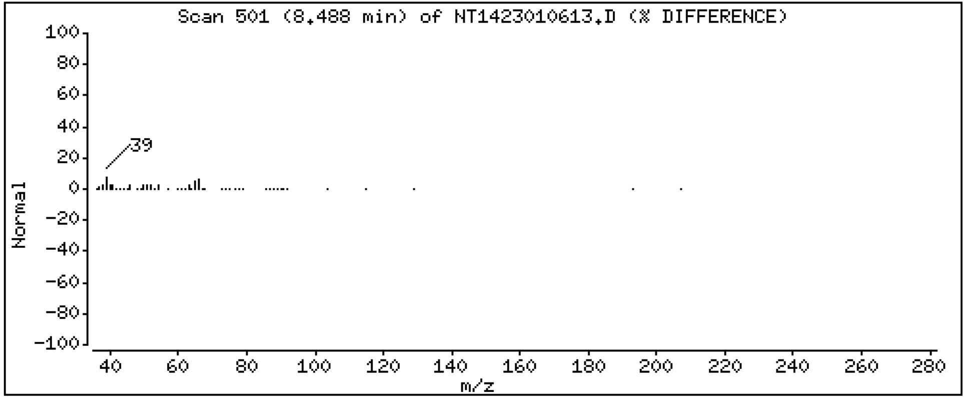


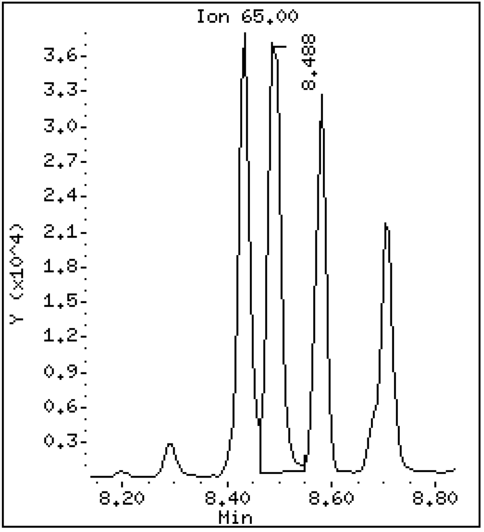












Data File: \\target\share\chem3\nt14.i\20230106.b\NT1423010613.D

Date : 06-JAN-2023 18:50

Client ID:

Instrument: nt14.i

Sample Info: BKL0585-BSD1

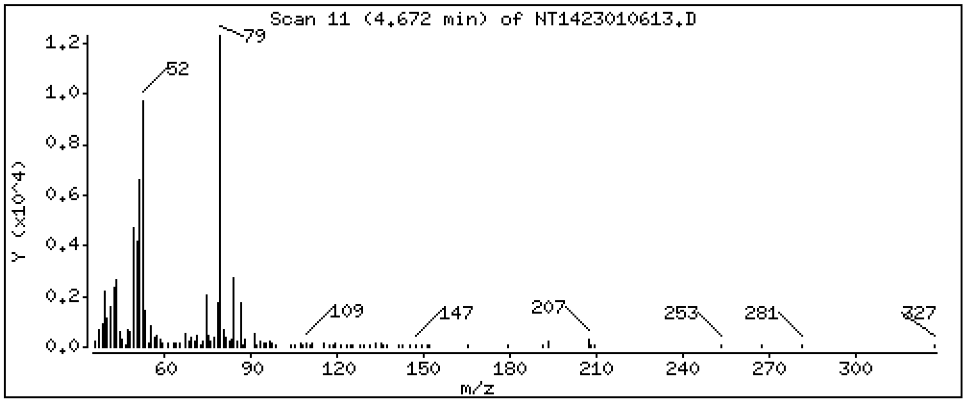
Operator: VTS

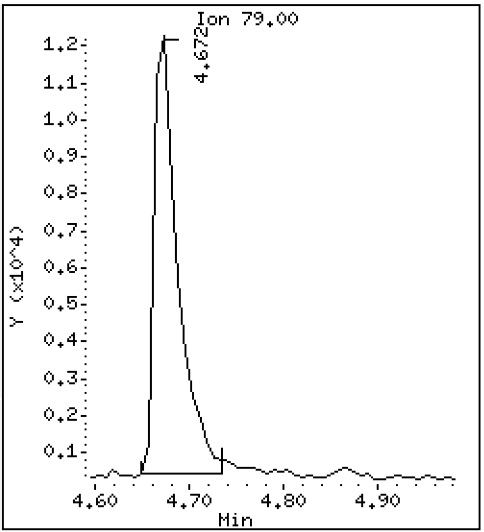
Column phase: ZB-5msi

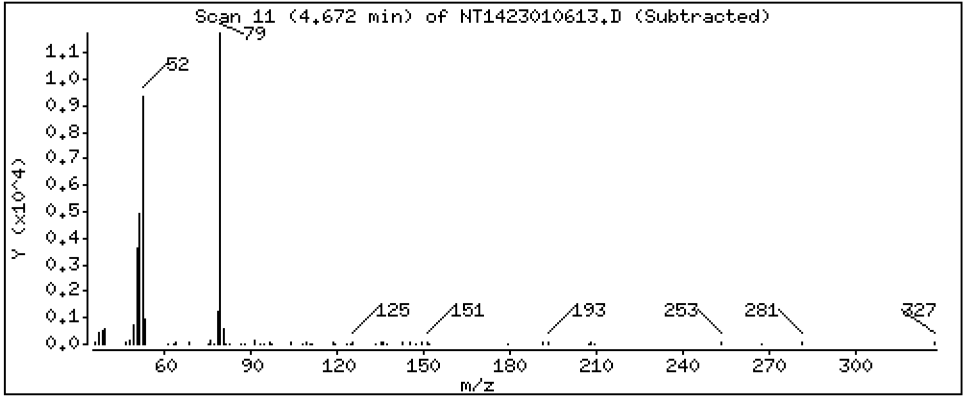
Column diameter: 0.25

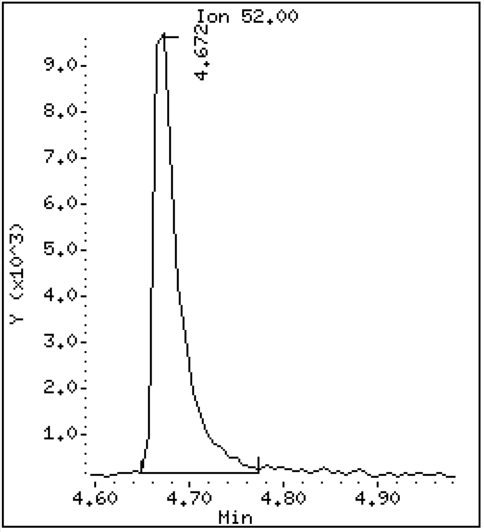
103 Pyridine

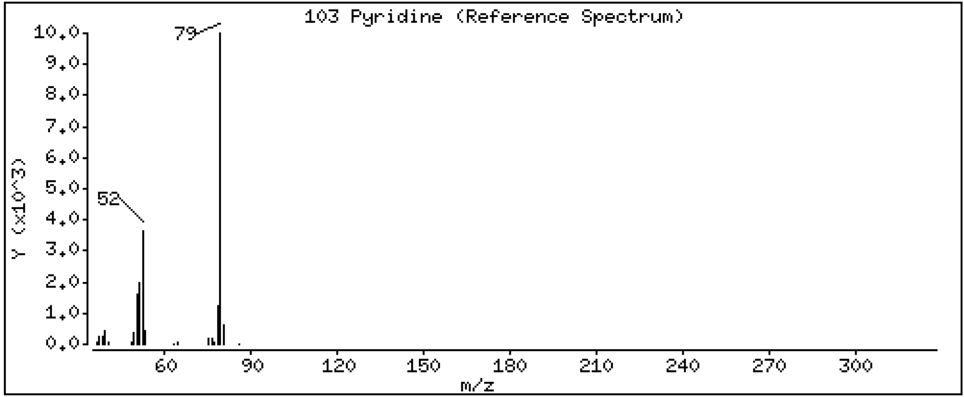
Concentration: 0.2186 ug/mL

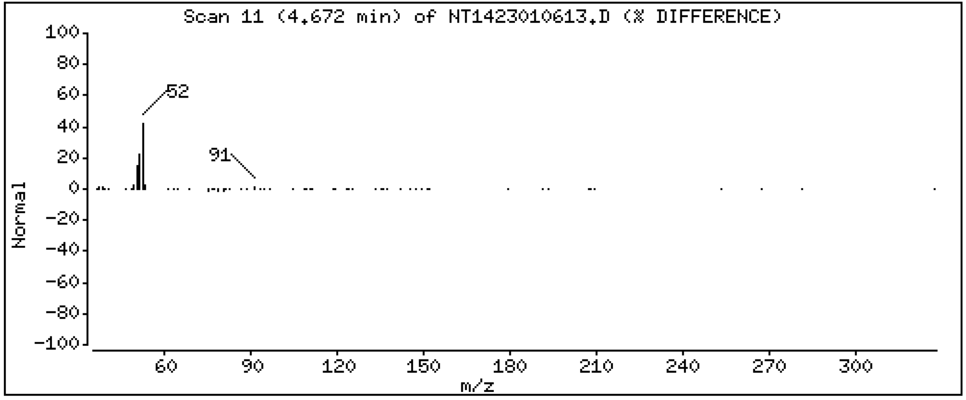

Scan 11 (4.672 min) of NT1423010613.D


Ion 79.00


Scan 11 (4.672 min) of NT1423010613.D (Subtracted)


Ion 52.00


103 Pyridine (Reference Spectrum)


Scan 11 (4.672 min) of NT1423010613.D (% DIFFERENCE)

Data File: \\target\share\chem3\nt14.i\20230106.b\NT1423010613.D

Date : 06-JAN-2023 18:50

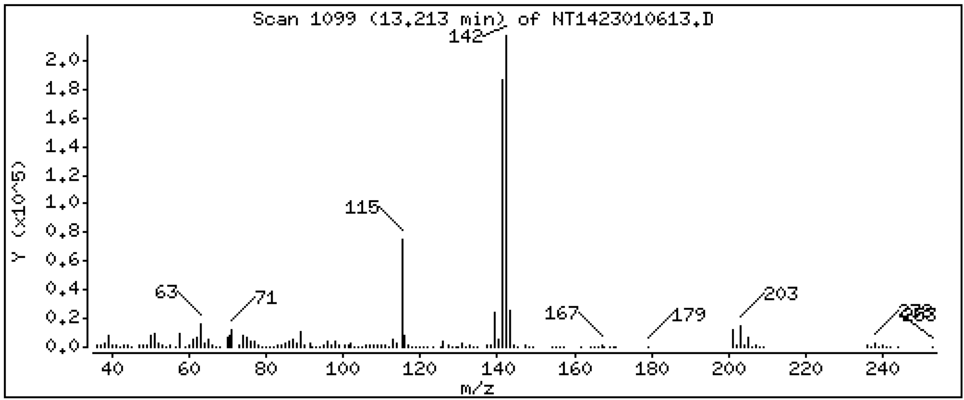
Client ID: Instrument: nt14.i

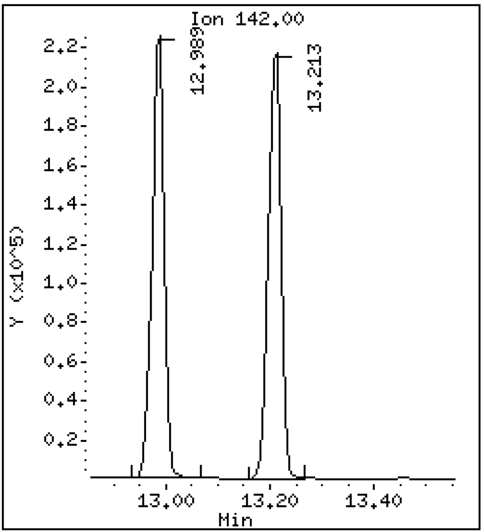
Sample Info: BKL0585-BSD1

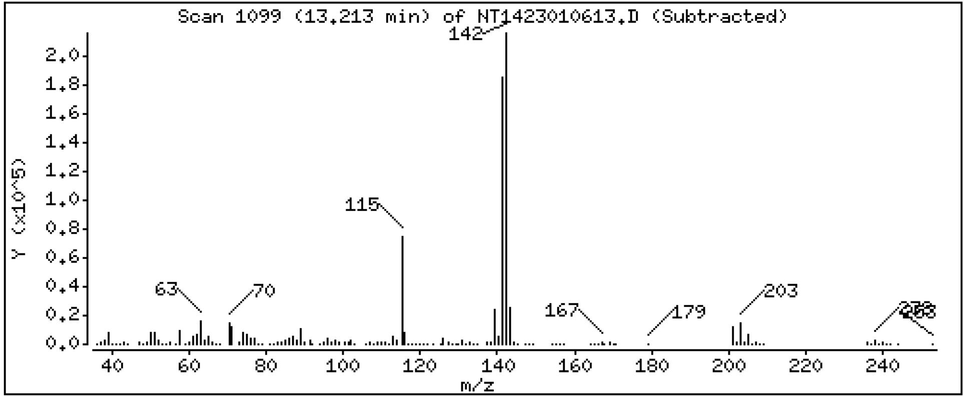
Operator: VTS

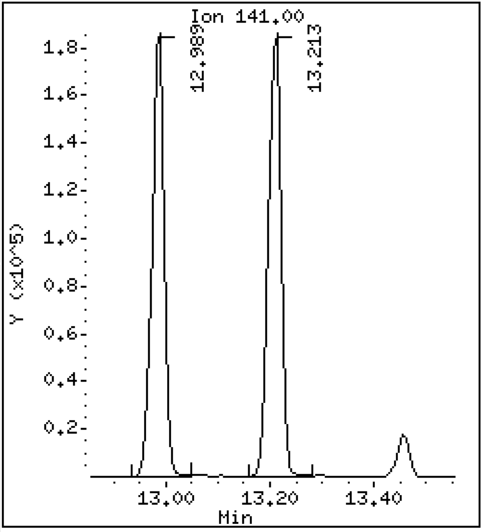
Column phase: ZB-5msi Column diameter: 0.25

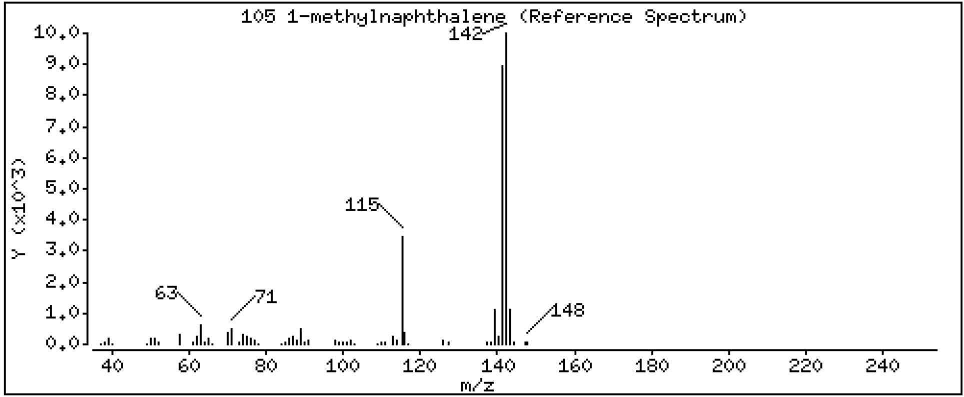
105 1-methylnaphthalene Concentration: 4.038 ug/mL

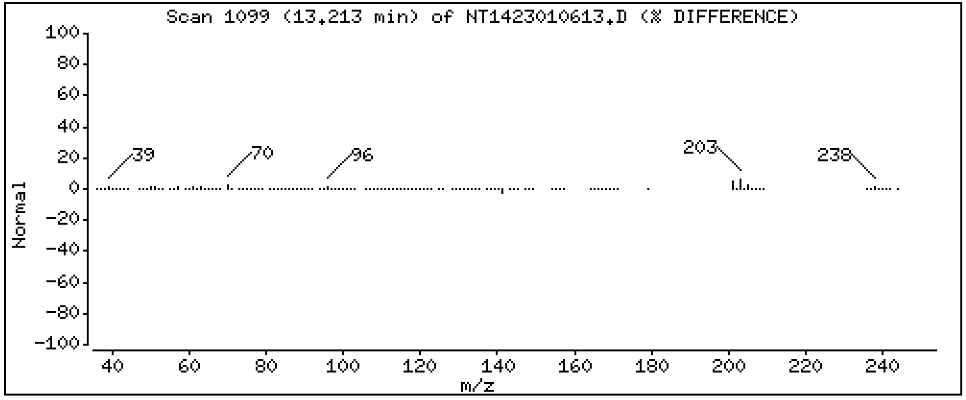












Data File: \\target\share\chem3\nt14.i\20230106.b\NT1423010613.D

Date : 06-JAN-2023 18:50

Client ID:

Instrument: nt14.i

Sample Info: BKL0585-BSD1

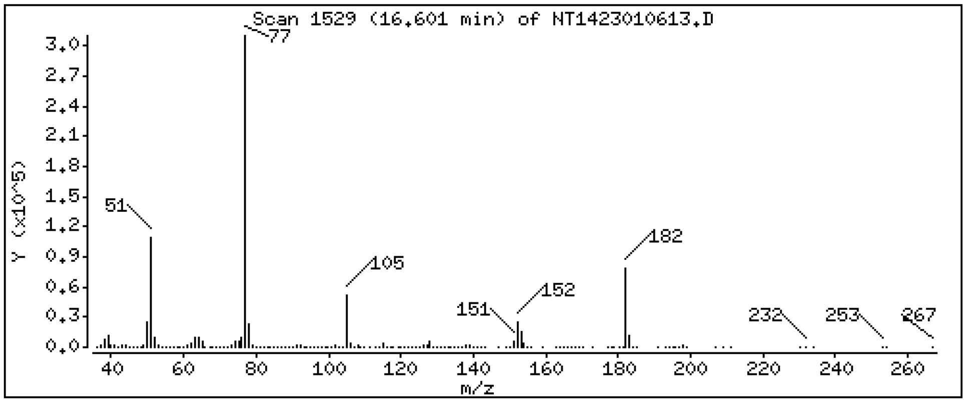
Operator: VTS

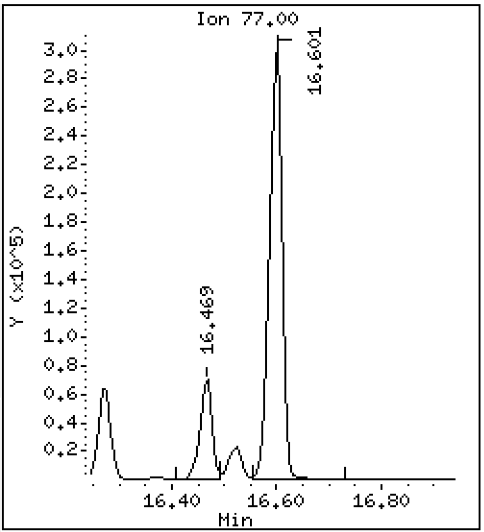
Column phase: ZB-5msi

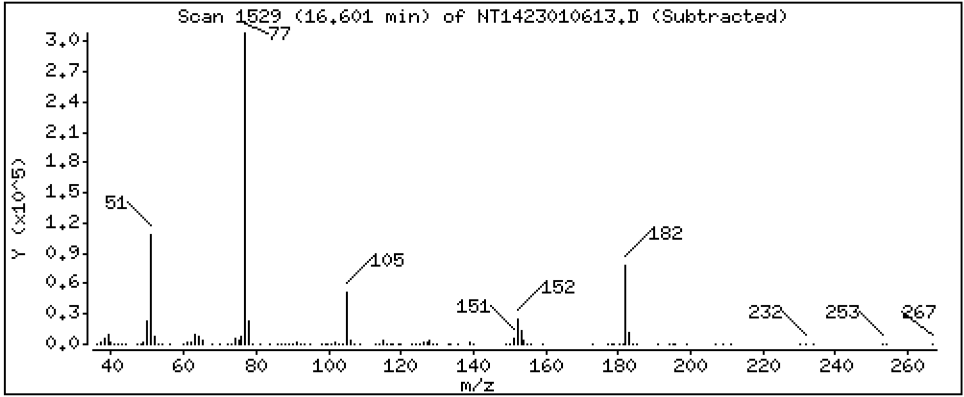
Column diameter: 0.25

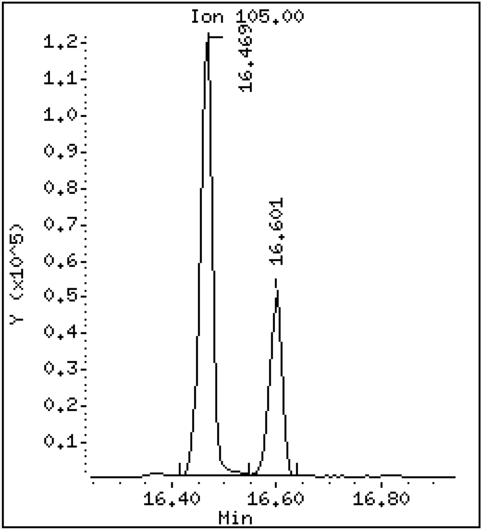
111 Azobenzene (1,2-DP-Hydrazine)

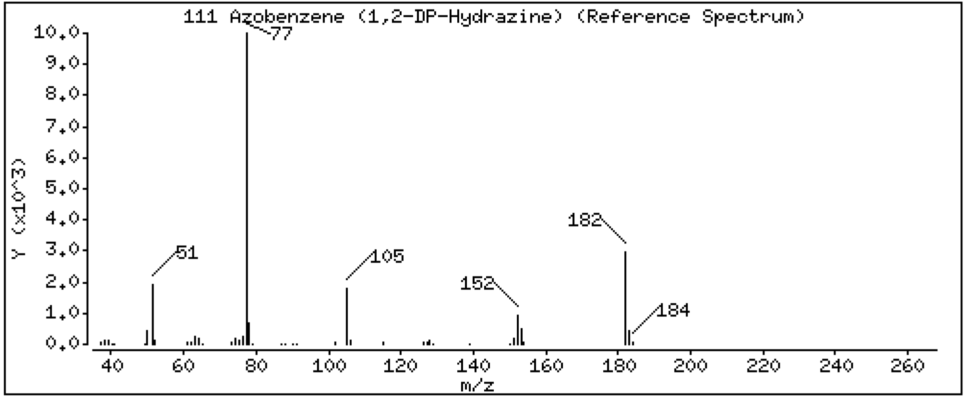
Concentration: 5.503 ug/mL

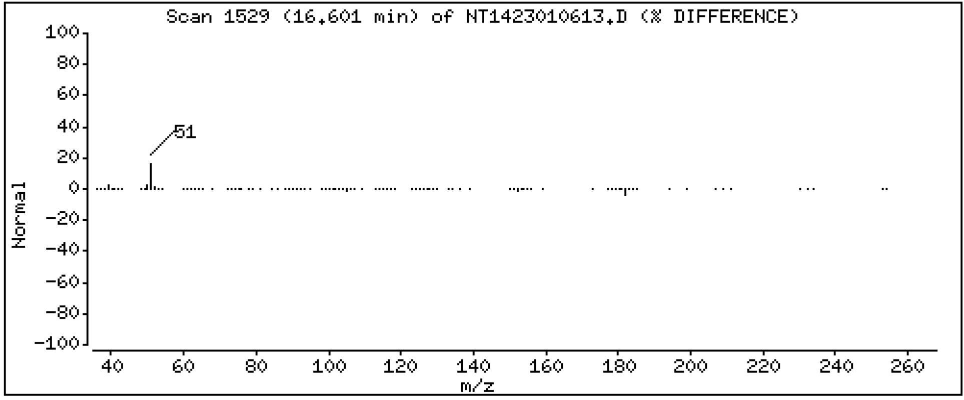

Scan 1529 (16.601 min) of NT1423010613.D

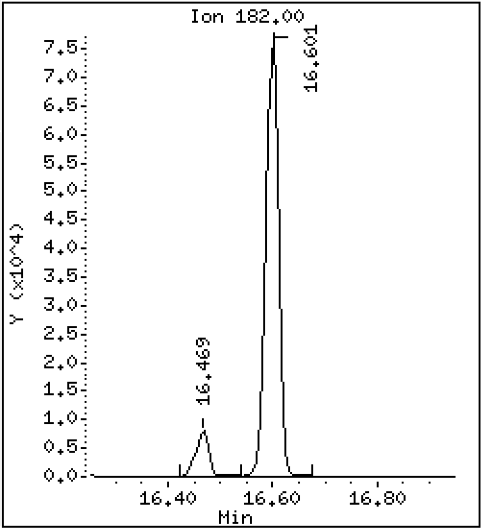

Ion 77.00


Scan 1529 (16.601 min) of NT1423010613.D (Subtracted)


Ion 105.00


111 Azobenzene (1,2-DP-Hydrazine) (Reference Spectrum)


Scan 1529 (16.601 min) of NT1423010613.D (% DIFFERENCE)


Ion 182.00

Data File: \\target\share\chem3\nt14.i\20230106.b\NT1423010613.D

Date : 06-JAN-2023 18:50

Client ID:

Instrument: nt14.i

Sample Info: BKL0585-BSD1

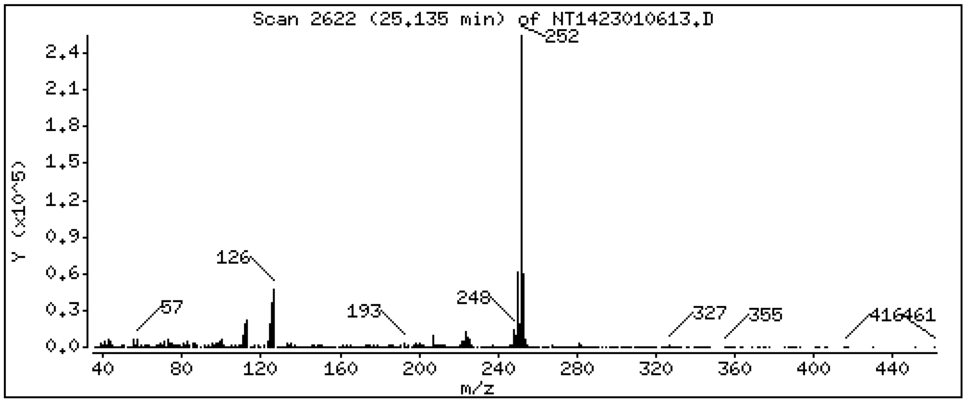
Operator: VTS

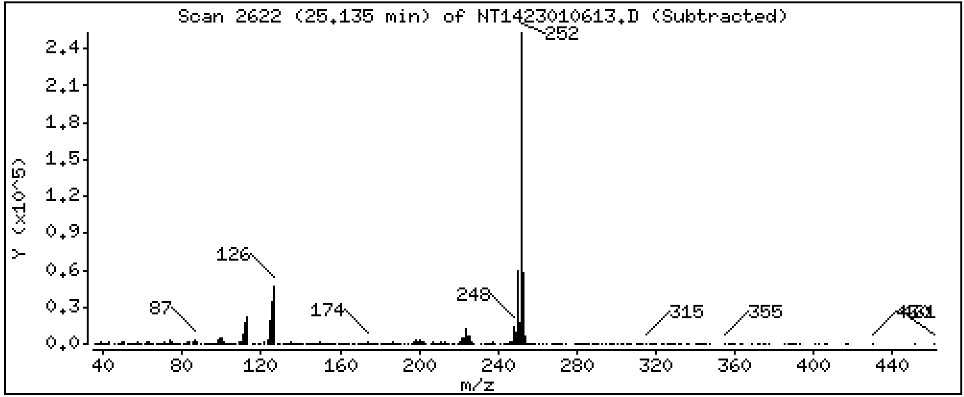
Column phase: ZB-5msi

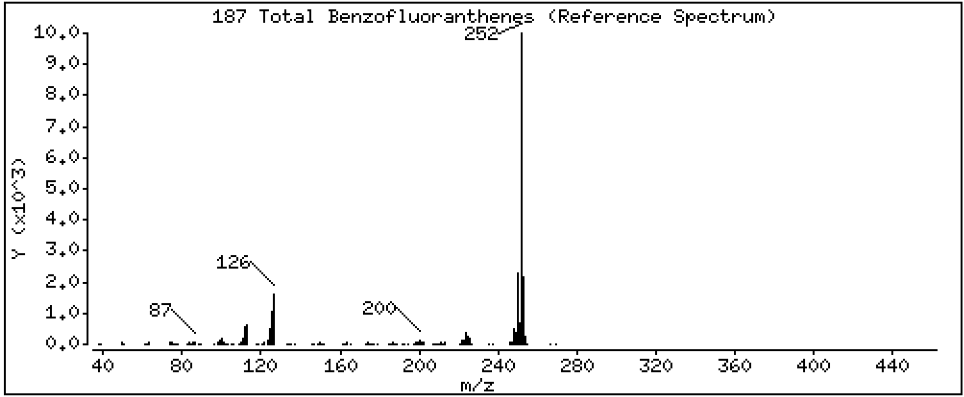
Column diameter: 0.25

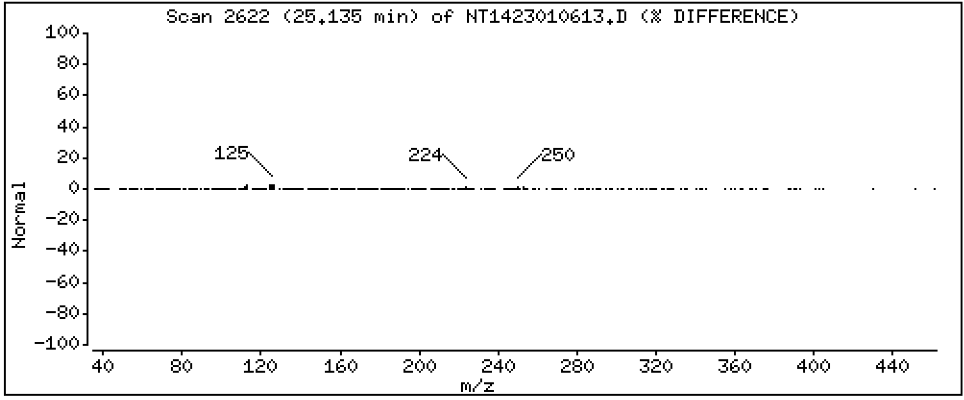
187 Total Benzofluoranthenes

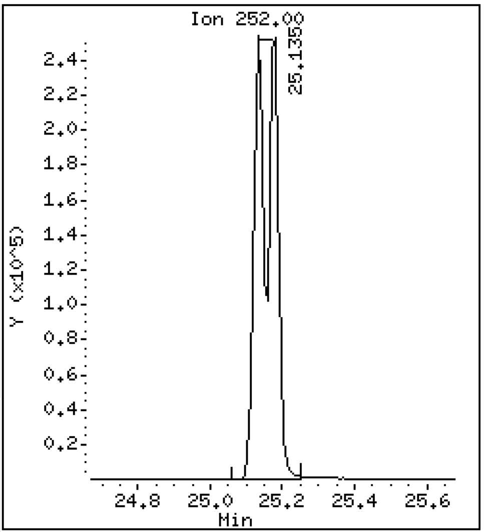
Concentration: 9.328 ug/mL

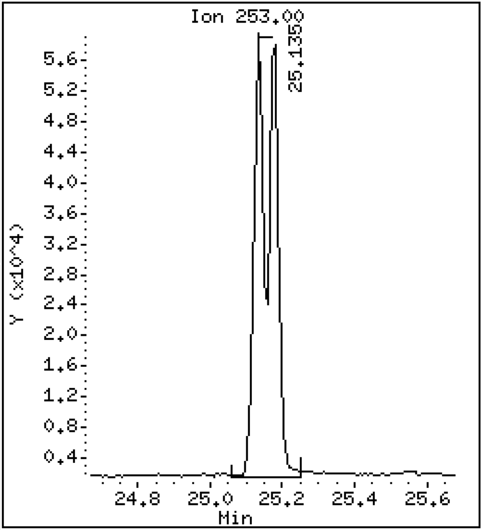

Scan 2622 (25.135 min) of NT1423010613.D

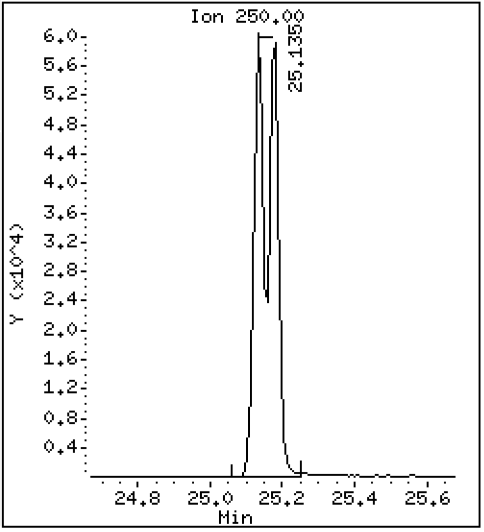

Scan 2622 (25.135 min) of NT1423010613.D (Subtracted)


187 Total Benzofluoranthenes (Reference Spectrum)


Scan 2622 (25.135 min) of NT1423010613.D (% DIFFERENCE)


Ion 252.00


Ion 253.00


Ion 250.00

Data File: \\target\share\chem3\nt14.i\20230106.b\NT1423010613.D

Date : 06-JAN-2023 18:50

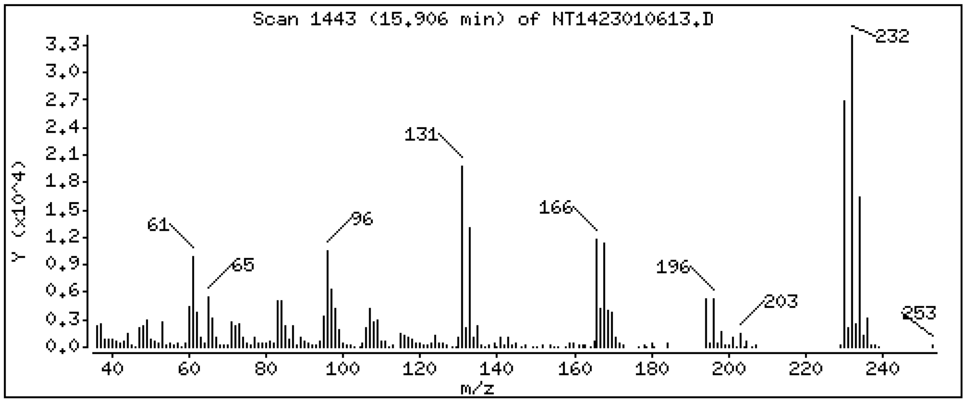
Client ID: Instrument: nt14.i

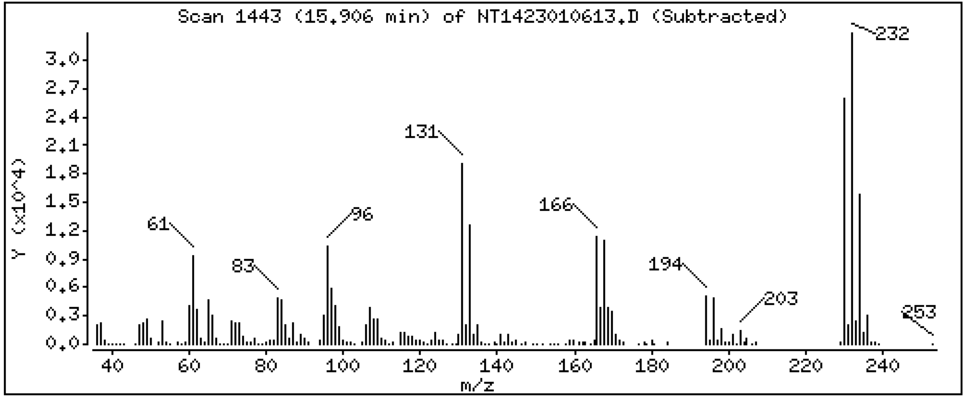
Sample Info: BKL0585-BSD1

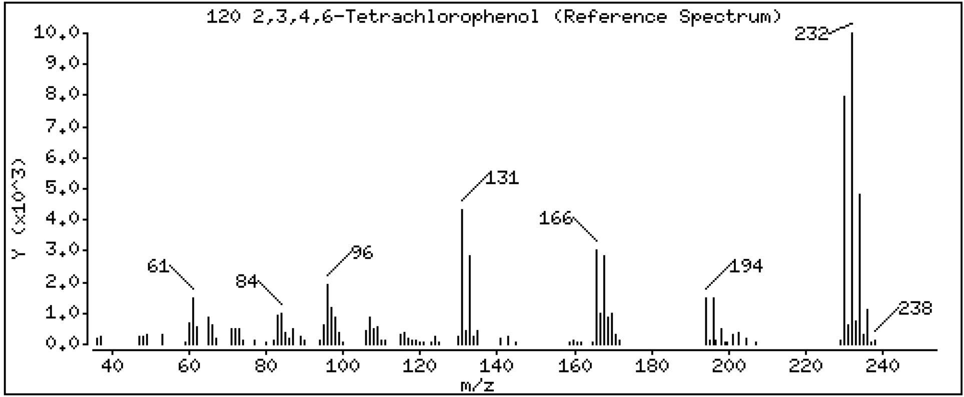
Operator: VTS

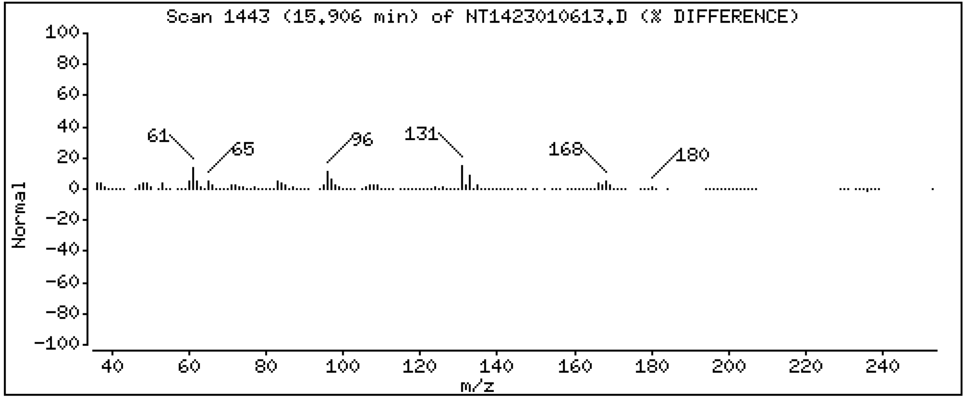
Column phase: ZB-5msi Column diameter: 0.25

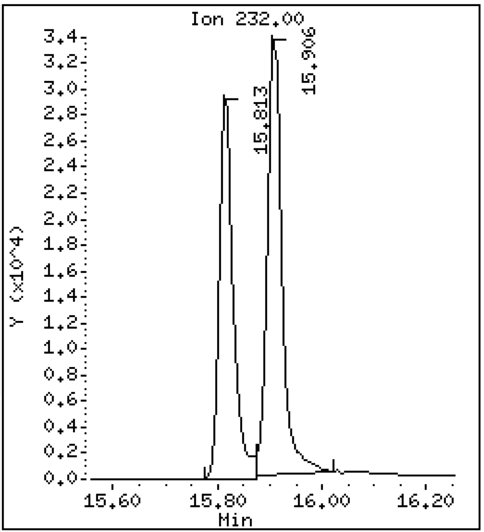
120 2,3,4,6-Tetrachlorophenol Concentration: 3.598 ug/mL

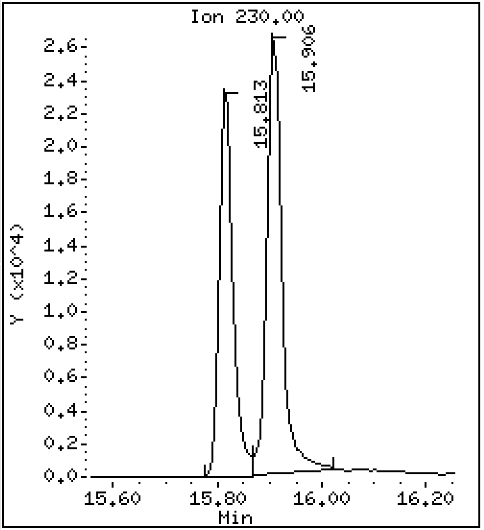

Scan 1443 (15.906 min) of NT1423010613.D

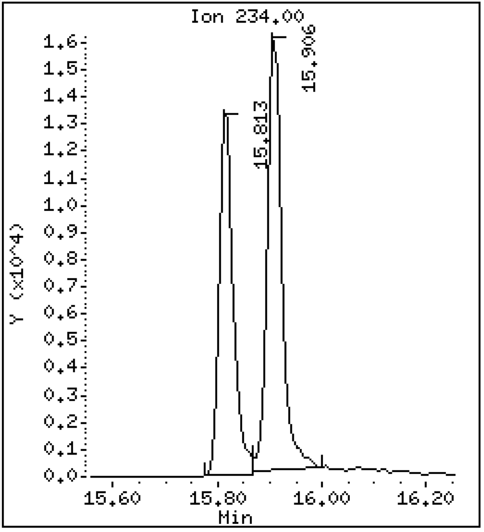

Scan 1443 (15.906 min) of NT1423010613.D (Subtracted)


120 2,3,4,6-Tetrachlorophenol (Reference Spectrum)


Scan 1443 (15.906 min) of NT1423010613.D (% DIFFERENCE)


Ion 232.00


Ion 230.00


Ion 234.00

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                                  ARI Labs, Inc.

                       Semivolatile Report SW846 Method 8270D
Data file : \\target\share\chem3\nt14.i\20230106.b\NT1423010613.D
Lab Smp Id: BKL0585-BSD1
Inj Date  : 06-JAN-2023 18:50            MS Autotune Date: 17-MAY-2011 01:22
Operator  : VTS                          Inst ID: nt14.i
Smp Info  : BKL0585-BSD1
Misc Info :
Comment   : 1ul Injection
Method    : \\target\share\chem3\nt14.i\20230106.b\ABN.m
Meth Date : 11-Jan-2023 14:40 van        Quant Type: ISTD
Cal Date  : 30-DEC-2022 11:07            Cal File: NT1422123007.D
Als bottle: 13
Dil Factor: 1.00000
Integrator: HP RTE                       Compound Sublist: ICAL.sub
Target Version:  4.14
Processing Host: VANS-201906


                                                                                   CONCENTRATIONS
                                      QUANT SIG                                 ON-COLUMN    FINAL
Compounds                               MASS         RT    EXP RT   REL RT  RESPONSE   (ug/mL)     (ug/mL)
==========================              ====       ==== ======== ======== ========   =======     =======
$   1 2-Fluorophenol                     112      6.819   6.811 (0.755)     251754    5.80127      5.801
$   2 Phenol-d5                           99      8.410   8.403 (0.931)     325118    6.06224      6.062
    3 Phenol                              94      8.434   8.426 (0.933)     210238    3.44998      3.450
$   5 2-Chlorophenol-d4                  132      8.681   8.673 (0.961)     283504    6.29438      6.294
    4 Bis(2-Chloroethyl)ether             93      8.580   8.580 (0.949)     181225    4.31707      4.317
    6 2-Chlorophenol                     128      8.712   8.704 (0.964)     178615    3.61088      3.611
    7 1,3-Dichlorobenzene                146      8.975   8.975 (0.993)     196646    3.74898      3.749
*   8 1,4-Dichlorobenzene-d4             152      9.037   9.037 (1.000)     135456    4.00000
    9 1,4-Dichlorobenzene                146      9.068   9.068 (1.003)     191406    3.85183      3.852
$  10 1,2-Dichlorobenzene-d4             152      9.402   9.401 (1.040)     120657    3.91942      3.919
   12 1,2-Dichlorobenzene                146      9.425   9.425 (1.043)     189217    3.88265      3.883
   11 Benzyl alcohol                     108      9.316   9.308 (1.031)      75553    2.78498      2.785(M)
   14 2,2'-oxybis(1-Chloropropane)       121      9.619   9.611 (1.064)      62752    4.44131      4.441
   13 2-Methylphenol                     108      9.549   9.541 (1.057)     166644    3.76333      3.763
   17 Hexachloroethane                   117     10.023  10.022 (1.109)      76955    4.21065      4.211
   16 N-Nitroso-di-n-propylamine          70      9.875   9.867 (1.093)     120512    4.46760      4.468
   15 4-Methylphenol                     108      9.829   9.813 (1.088)     155259    3.32369      3.324
$  18 Nitrobenzene-d5                     82     10.139  10.131 (0.878)     201545    4.73377      4.734
   19 Nitrobenzene                        77     10.170  10.170 (0.881)     190378    4.50239      4.502
   20 Isophorone                          82     10.628  10.620 (0.921)     365556    6.78327      6.783
   21 2-Nitrophenol                      139     10.806  10.806 (0.936)     113689    4.24382      4.244
   22 2,4-Dimethylphenol                 107     10.868  10.868 (0.942)     337922    7.65724      7.657
   23 Bis(2-Chloroethoxy)methane          93     11.054  11.054 (0.958)     203587    4.85616      4.856
   24 Benzoic acid                       105     11.070  11.062 (0.959)     450807    16.1778      16.18
   25 2,4-Dichlorophenol                 162     11.271  11.263 (0.977)     491040    13.2001      13.20
   26 1,2,4-Trichlorobenzene             180     11.457  11.449 (0.993)     181026    4.50056      4.501
*  27 Naphthalene-d8                     136     11.542  11.542 (1.000)     504192    4.00000
   28 Naphthalene                        128     11.581  11.581 (1.003)     512324    4.12900      4.129
   29 4-Chloroaniline                    127     11.712  11.704 (1.015)     399641    7.81006      7.810
   30 Hexachlorobutadiene                225     11.951  11.951 (1.035)     100308    5.02621      5.026
   31 4-Chloro-3-methylphenol            107     12.694  12.679 (1.100)     543142    15.4721      15.47
   32 2-Methylnaphthalene                142     12.988  12.981 (1.125)     363430    3.99304      3.993
   33 Hexachlorocyclopentadiene          237     13.453  13.453 (0.887)     181300    9.97202      9.972
```

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Data File: \\target\share\chem3\nt14.i\20230106.b\NT1423010613.D Page 2
Report Date: 11-Jan-2023 14:46


                                                                                      CONCENTRATIONS
                                      QUANT SIG                                     ON-COLUMN    FINAL
Compounds                               MASS        RT    EXP RT   REL RT  RESPONSE   (ug/mL)    (ug/mL)
==========================              ====       ==== ======== ======== ========    =======    =======
   34 2,4,6-Trichlorophenol              196     13.615  13.607 (0.897)     342752    17.0739      17.07
   35 2,4,5-Trichlorophenol              196     13.693  13.685 (0.903)     371123    16.0183      16.02
$  36 2-Fluorobiphenyl                   172     13.770  13.770 (0.908)     387357    4.79015      4.790
   37 2-Chloronaphthalene                162     13.987  13.979 (0.922)     315875    4.59165      4.592
   38 2-Nitroaniline                      65     14.242  14.234 (0.939)     382880    21.1697      21.17
   39 Dimethylphthalate                  163     14.676  14.668 (0.967)     361164    5.32474      5.325
   40 Acenaphthylene                     152     14.854  14.853 (0.979)     489668    4.66818      4.668
   41 2,6-Dinitrotoluene                 165     14.807  14.807 (0.976)     290421    18.9728      18.97
*  42 Acenaphthene-d10                   164     15.171  15.171 (1.000)     240512    4.00000
   43 3-Nitroaniline                     138     15.094  15.093 (0.995)     240242    12.9129      12.91
   44 Acenaphthene                       153     15.240  15.232 (1.005)     299596    4.60496      4.605
   45 2,4-Dinitrophenol                  184     15.310  15.302 (1.009)     246769    18.1947      18.19
   46 Dibenzofuran                       168     15.565  15.565 (1.026)     427072    4.37738      4.377
   47 4-Nitrophenol                      109     15.434  15.426 (1.017)     146359    15.8359      15.84
   48 2,4-Dinitrotoluene                 165     15.619  15.619 (1.030)     373262    17.7728      17.77
   50 Diethylphthalate                   149     16.137  16.137 (1.064)     488226    5.29573      5.296
   49 Fluorene                           166     16.284  16.276 (1.073)     478093    4.60639      4.606
   51 4-Chlorophenyl-phenylether         204     16.276  16.268 (1.073)     217331    4.27708      4.277
   52 4-Nitroaniline                     138     16.369  16.361 (1.079)     293554    12.7186      12.72
   53 4,6-Dinitro-2-methylphenol         198     16.469  16.461 (0.904)     475467    25.1221      25.12
   54 N-Nitrosodiphenylamine             169     16.523  16.523 (0.907)     278050    3.80762      3.808
$  55 2,4,6-Tribromophenol               330     16.816  16.816 (1.108)      79036    6.76507      6.765
   56 4-Bromophenyl-phenylether          248     17.279  17.278 (0.948)     122745    4.43898      4.439
   57 Hexachlorobenzene                  284     17.596  17.595 (0.966)     125275    4.12840      4.128
   58 Pentachlorophenol                  266     17.960  17.952 (0.986)     107978    7.89507      7.895
*  59 Phenanthrene-d10                   188     18.223  18.215 (1.000)     425561    4.00000
   60 Phenanthrene                       178     18.269  18.261 (1.003)     490446    4.42017      4.420
   61 Anthracene                         178     18.362  18.354 (1.008)     400303    3.77914      3.779
   62 Carbazole                          167     18.687  18.687 (1.025)     420855    4.10991      4.110
   63 Di-n-butylphthalate                149     19.491  19.484 (1.070)     631882    5.23502      5.235
   64 Fluoranthene                       202     20.660  20.652 (0.888)     538168    5.47560      5.476
   65 Pyrene                             202     21.085  21.077 (0.906)     561970    5.43817      5.438
$  66 Terphenyl-d14                      244     21.364  21.364 (0.918)     392476    5.35635      5.356
   67 Butylbenzylphthalate               149     22.293  22.285 (0.958)     270586    6.77396      6.774
   68 Benzo(a)anthracene                 228     23.245  23.245 (0.999)     447410    4.83852      4.839
*  69 Chrysene-d12                       240     23.276  23.268 (1.000)     305246    4.00000
   70 3,3'-Dichlorobenzidine             252     23.199  23.199 (0.997)     375866    13.2783      13.28
   71 Chrysene                           228     23.323  23.315 (1.002)     445920    5.10532      5.105
   72 bis(2-Ethylhexyl)phthalate         149     23.315  23.315 (0.960)     386072    5.42184      5.422
* 134 Di-n-octylphthalate-d4             153     24.298  24.298 (1.000)     641167    4.00000
   73 Di-n-octylphthalate                149     24.314  24.306 (1.001)     724032    4.70434      4.704
   74 Benzo(b)fluoranthene               252     25.134  25.126 (0.970)     492712    4.77601      4.776
   75 Benzo(k)fluoranthene               252     25.181  25.173 (0.972)     482901    4.59905      4.599
   76 Benzo(a)pyrene                     252     25.785  25.784 (0.996)     395928    4.61669      4.617
*  77 Perylene-d12                       264     25.901  25.901 (1.000)     328264    4.00000
   78 Indeno(1,2,3-cd)pyrene             276     28.567  28.567 (1.103)     480271    4.92635      4.926
   79 Dibenzo(a,h)anthracene             278     28.582  28.574 (1.104)     405166    4.89067      4.891
   80 Benzo(g,h,i)perylene               276     29.359  29.351 (1.134)     390766    4.78470      4.785
   90 N-Nitrosodimethylamine              74      4.626   4.749 (0.512)     292639    9.79141      9.791
   91 Aniline                             93      8.488   8.487 (0.939)     287433    4.84423      4.844
   93 Benzidine                           184          Compound Not Detected.
  103 Pyridine                            79      4.672   4.633 (0.517)      20763    0.21863     0.2186
  105 1-methylnaphthalene                142     13.213  13.205 (1.145)     353093    4.03763      4.038
  111 Azobenzene (1,2-DP-Hydrazine)       77     16.600  16.592 (1.094)     491537    5.50338      5.503
```

```
                                                                                           CONCENTRATIONS
                                     QUANT SIG                                         ON-COLUMN    FINAL
Compounds                              MASS         RT     EXP RT    REL RT  RESPONSE     (ug/mL)    (ug/mL)
==========================             ====        ==== ======== ======== ========     =======    =======
  187 Total Benzofluoranthenes          252       25.134  25.173 (0.970)     930326     9.32774      9.328
  120 2,3,4,6-Tetrachlorophenol         232       15.905  15.905 (1.048)      62746     3.59834      3.598
```

QC Flag Legend

M - Compound response manually integrated.

Data File: \\target\share\chem3\nt14.i\20230106.b\NT1423010613.D Page 1
Report Date: 11-Jan-2023 14:46

ARI Labs, Inc.

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: nt14.i
Lab File ID: NT1423010613.D
Lab Smp Id: BKL0585-BSD1
Analysis Type: SV
Quant Type: ISTD
Operator: VTS
Method File: \\target\share\chem3\nt14.i\20230106.b\ABN.m
Misc Info:

Calibration Date: 06-JAN-2023
Calibration Time: 12:05
Level:
Sample Type:

Test Mode:
Use Last Continuing Calibrator.

		AREA LIMIT			
COMPOUND	STANDARD	LOWER	UPPER	SAMPLE	%DIFF
8 1,4-Dichlorobenze	134115	67058	268230	135456	1.00
27 Naphthalene-d8	499117	249559	998234	504192	1.02
42 Acenaphthene-d10	260320	130160	520640	240512	-7.61
59 Phenanthrene-d10	432406	216203	864812	425561	-1.58
69 Chrysene-d12	317887	158944	635774	305246	-3.98
134 Di-n-octylphthala	664061	332031	1328122	641167	-3.45
77 Perylene-d12	313716	156858	627432	328264	4.64

		RT LIMIT			
COMPOUND	STANDARD	LOWER	UPPER	SAMPLE	%DIFF
8 1,4-Dichlorobenze	9.04	8.54	9.54	9.04	0.00
27 Naphthalene-d8	11.54	11.04	12.04	11.54	0.00
42 Acenaphthene-d10	15.17	14.67	15.67	15.17	0.00
59 Phenanthrene-d10	18.22	17.72	18.72	18.22	0.04
69 Chrysene-d12	23.27	22.77	23.77	23.28	0.03
134 Di-n-octylphthala	24.30	23.80	24.80	24.30	0.00
77 Perylene-d12	25.90	25.40	26.40	25.90	0.00

AREA UPPER LIMIT = +100% of internal standard area.
AREA LOWER LIMIT = - 50% of internal standard area.
RT UPPER LIMIT = + 0.50 minutes of internal standard RT.
RT LOWER LIMIT = - 0.50 minutes of internal standard RT.

```
REVIEW SUMMARY FOR FILE - NT1423010613.D

Lab ID: BKL0585-BSD1
nt14.i,  20230106.b\ABN.m,    06-JAN-2023 18:50


     RT      CO-ELUTION COMPOUNDS
---------------------------------------------------------------------------

            NO CO-ELUTIONS



Quant Method: ICAL




        RRT CHECK

   RRT    CCV RRT   DELTA    COMPOUND
 -------------------------------------

  0.512    0.000    0.5119   N-Nitrosodimethylamine

  RRT check based on Ccal File: NT1423010602.D

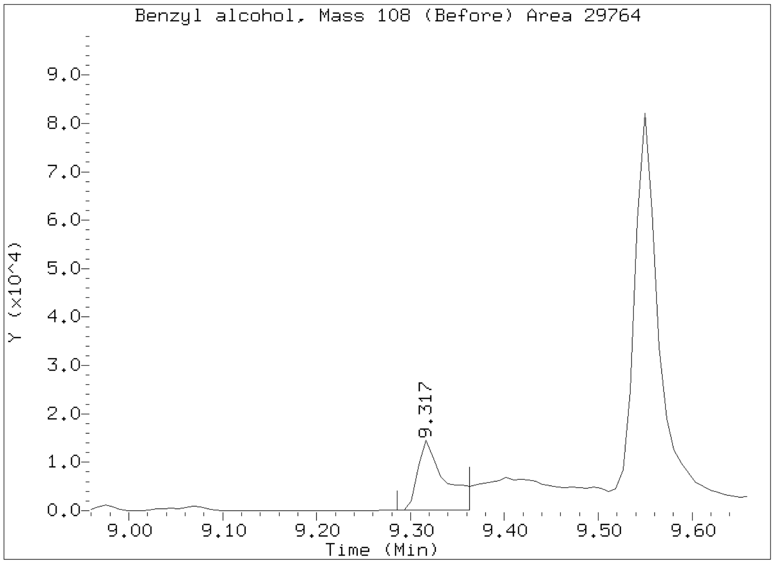

 On Column LOD for nt14.i, 20230106.b\ABN.m, ICAL.sub = 0.0000

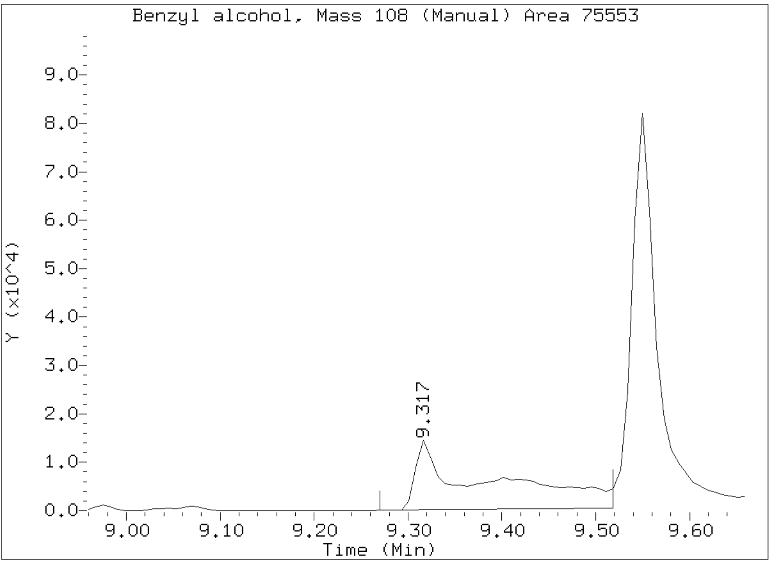


 * Only compounds listed in the work order have been verified by the analyst *
```

Quant Ion Manual Peak Adjustment Report

Datafile: //target/share/chem3/nt14.i/20230106.b/NT1423010613.D
Injection Date: 06-JAN-2023 18:50
Lab ID:BKL0585-BSD1 Client ID:
Report Date: 01/11/2023 14:46


Benzyl alcohol, Mass 108 (Before) Area 29764


Benzyl alcohol, Mass 108 (Manual) Area 75553

STANDARD REFERENCE MATERIAL RECOVERY

EPA 8270E

Laboratory:	Analytical Resources, LLC	**SDG:**	22L0307
Client:	Anchor QEA, LLC	**Project:**	AOC4 UR Phase 3
Matrix:	Solid	**Laboratory ID:**	BKL0585-SRM1
Batch:	BKL0585	**Initial/Final:**	1 g / 1 mL
Preparation:	EPA 3546 (Microwave)	**Analyzed:**	01/07/2023 6:51
Standard ID:	K003477	**Expires:**	01/31/2024
Standard Lot#:	CRM 143 (LRAC8918)	**Description:**	CRM 143 BNAs - Sandy Loam

ANALYTE	TRUE (ug/kg wet)	FOUND (ug/kg wet)	MDL	MRL	Q	SRM % REC.	QC LIMITS REC.
Butylbenzylphthalate	3511.0	5900	94.1	200	*	168 *	36 - 164

* Values outside of QC limits

Data File: \\target\share\chem3\nt14.i\20230106.b\NT1423010633.D

Page 1

Date : 07-JAN-2023 06:51

Client ID:

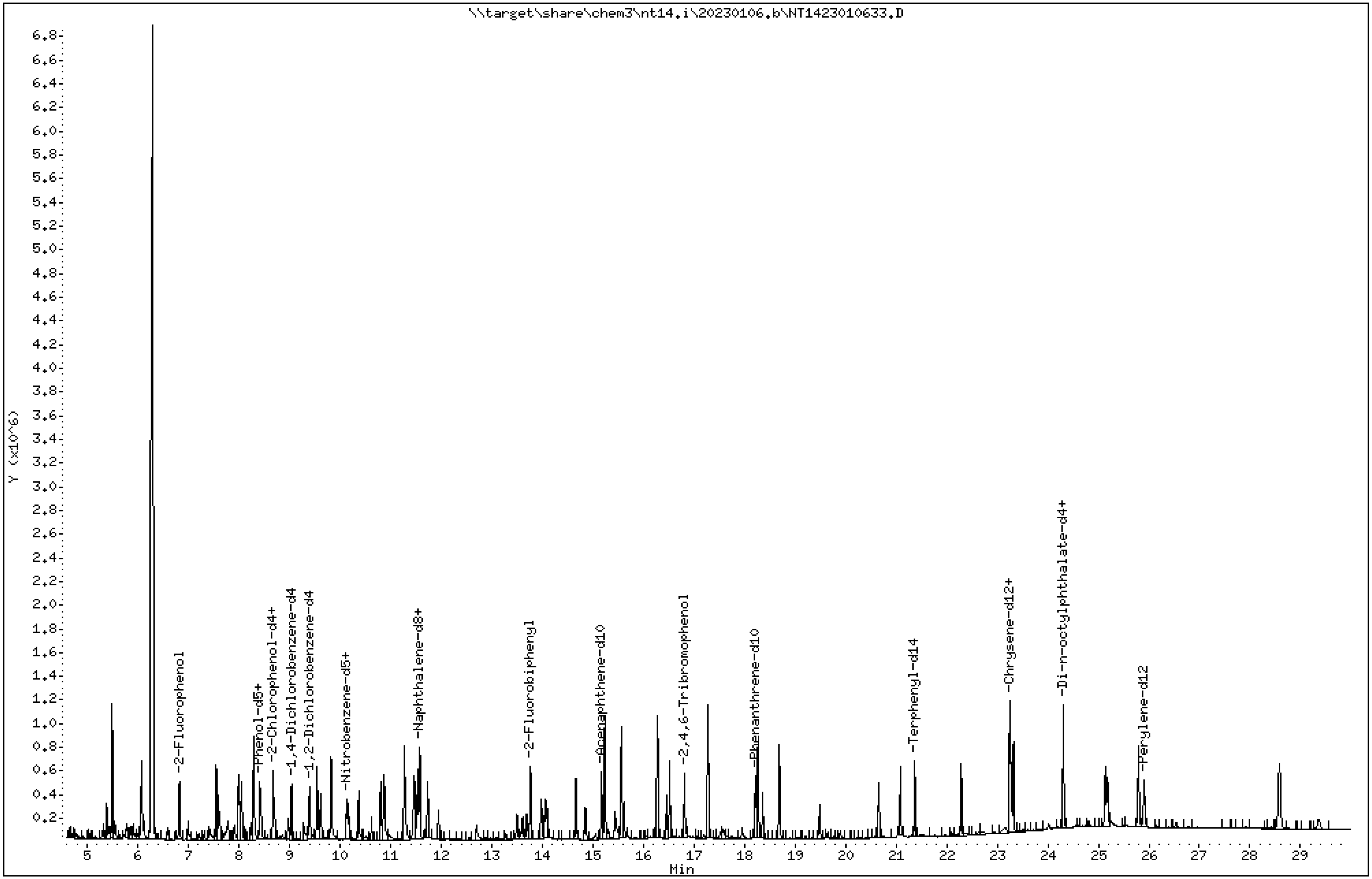
Instrument: nt14.i

Sample Info: BKL0585-SRM1

Operator: VTS

Column phase: ZB-5msi

Column diameter: 0.25



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Date : 07-JAN-2023 06:51

Client ID:

Instrument: nt14.i

Sample Info: BKL0585-SRM1

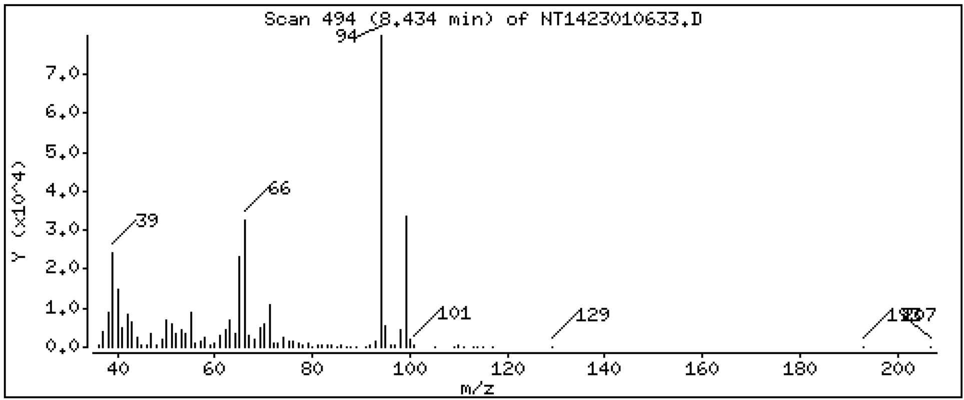
Operator: VTS

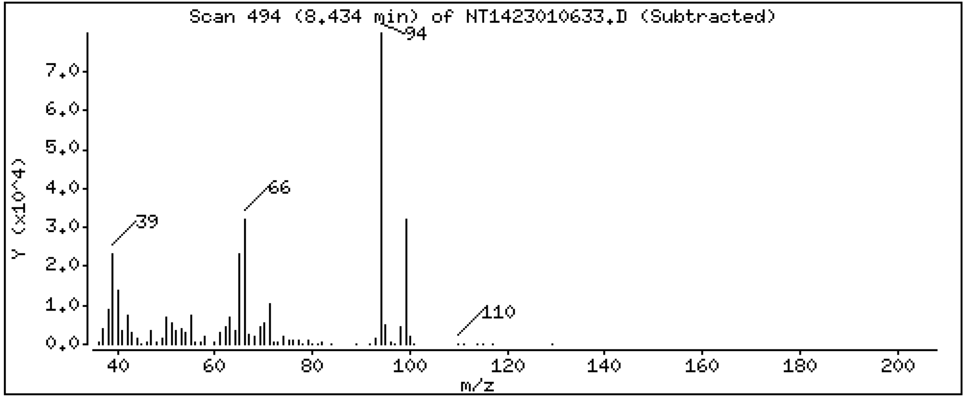
Column phase: ZB-5msi

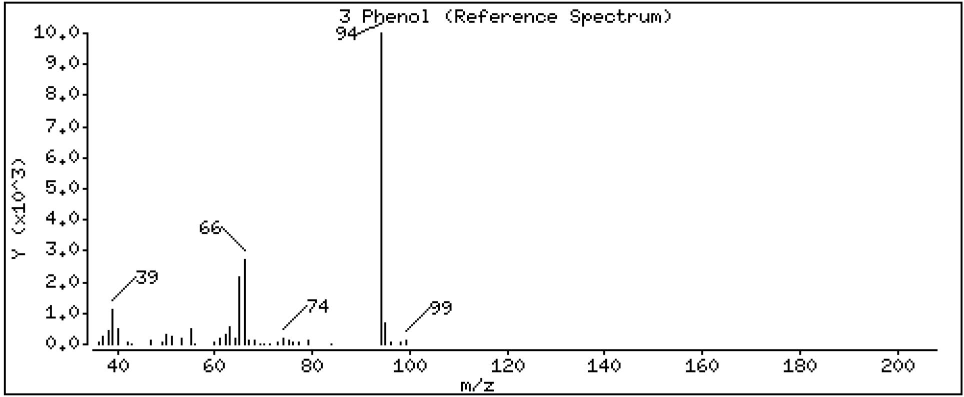
Column diameter: 0.25

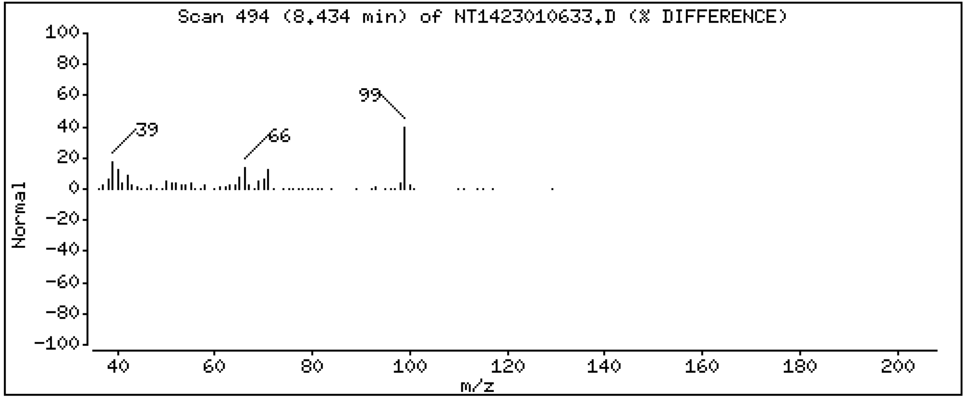
3 Phenol

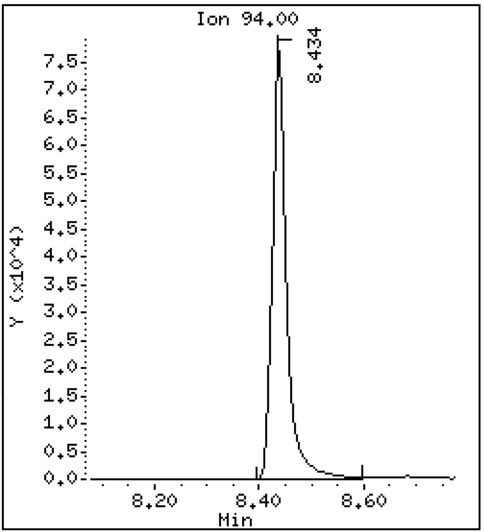
Concentration: 2.995 ug/mL

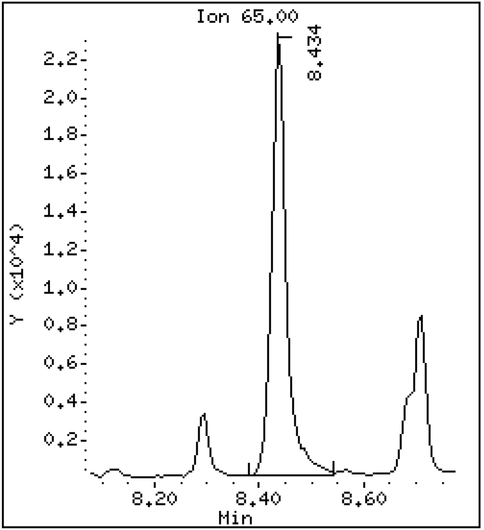


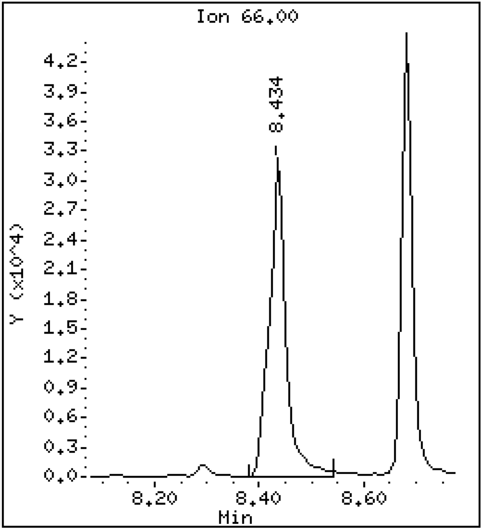












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Date : 07-JAN-2023 06:51

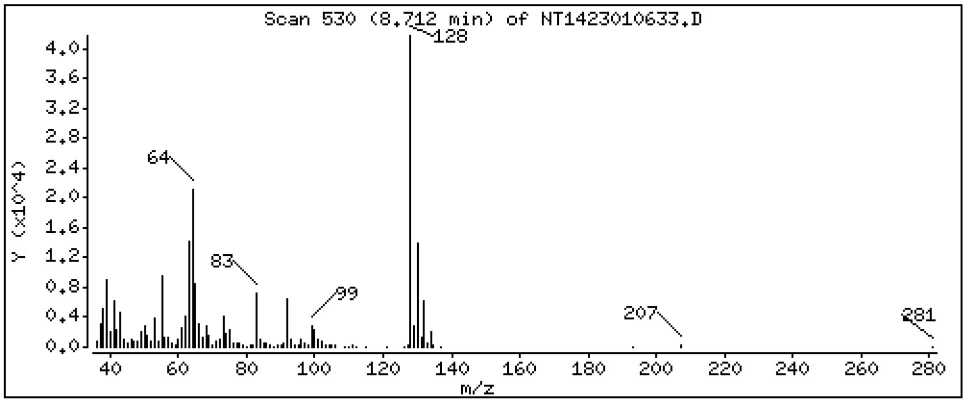
Client ID: Instrument: nt14.i

Sample Info: BKL0585-SRM1

Operator: VTS

Column phase: ZB-5msi Column diameter: 0.25

6 2-Chlorophenol Concentration: 1.589 ug/mL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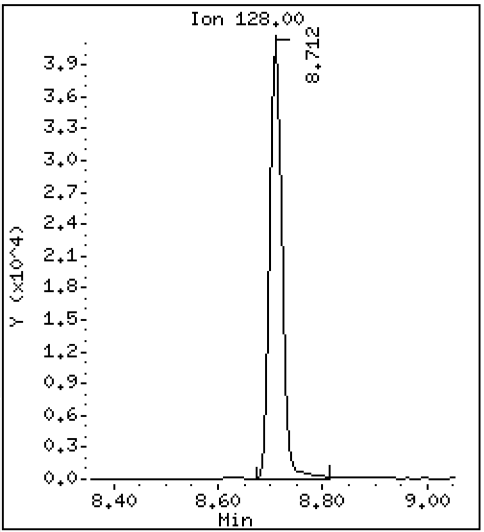
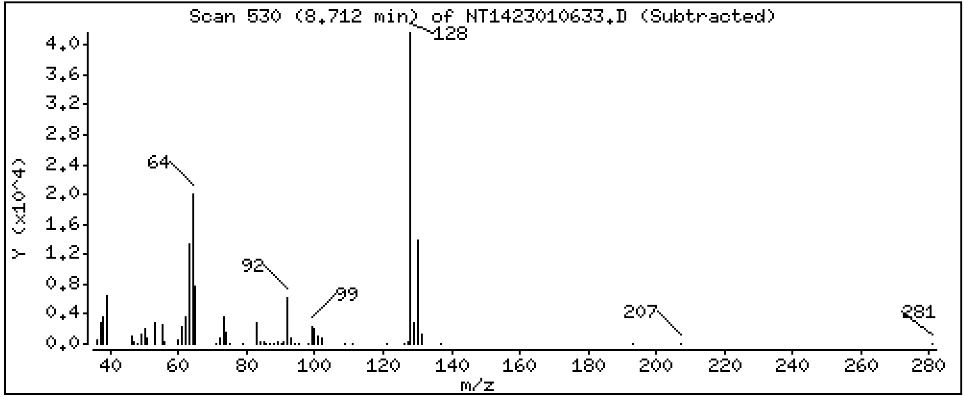

Ion 128.00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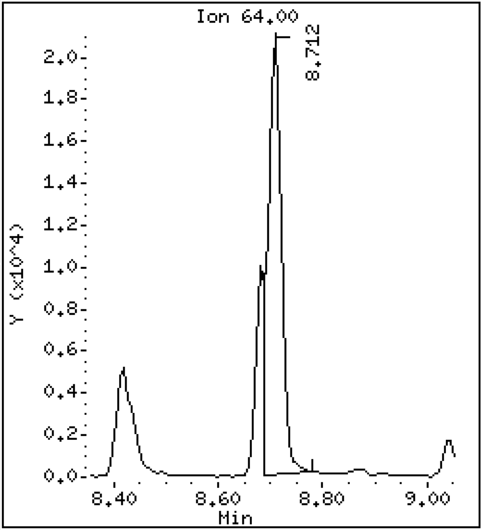
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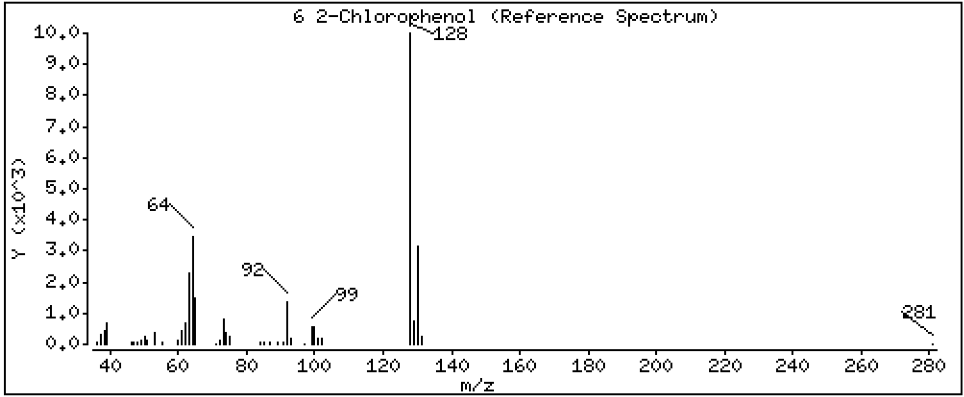
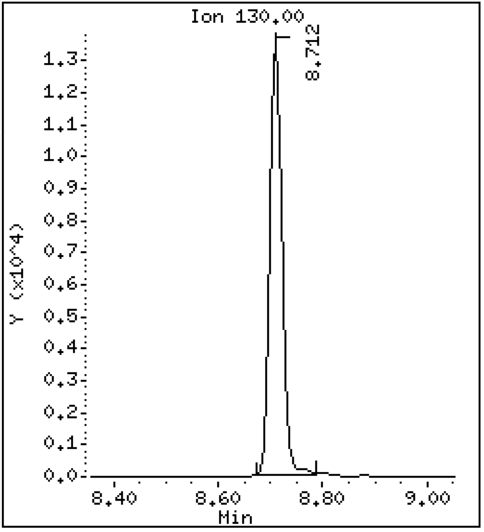

6 2-Chlorophenol (Reference Spectrum)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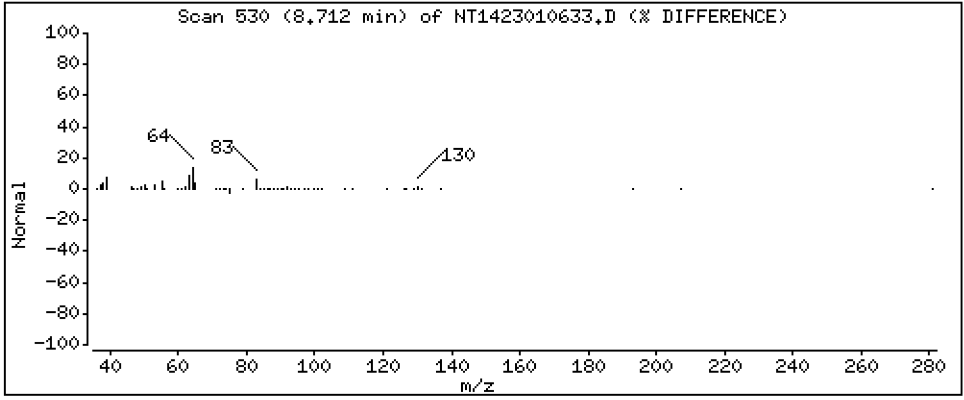
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Date : 07-JAN-2023 06:51

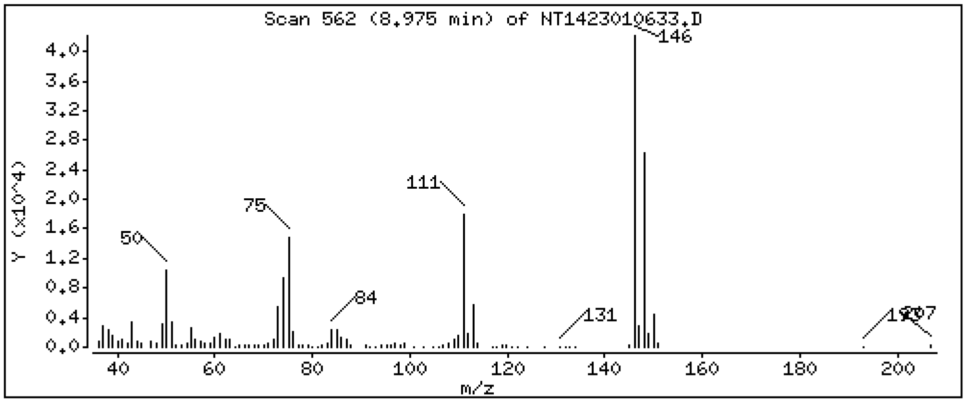
Client ID: Instrument: nt14.i

Sample Info: BKL0585-SRM1

Operator: VTS

Column phase: ZB-5msi Column diameter: 0.25

7 1,3-Dichlorobenzene Concentration: 1.466 ug/mL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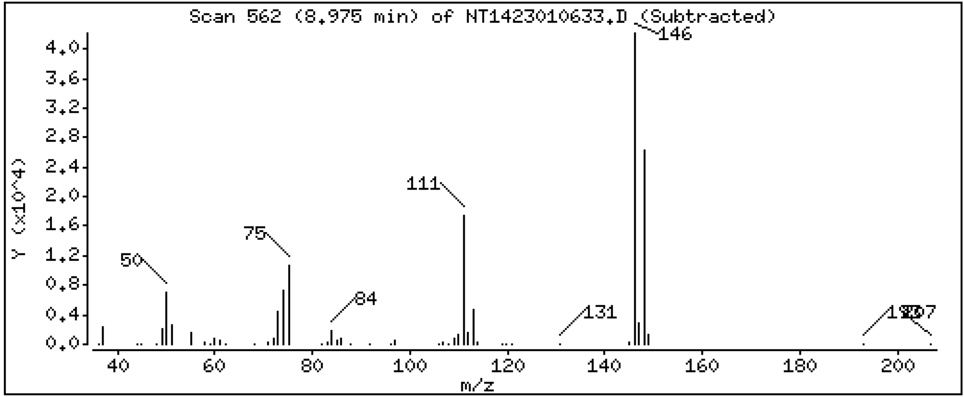
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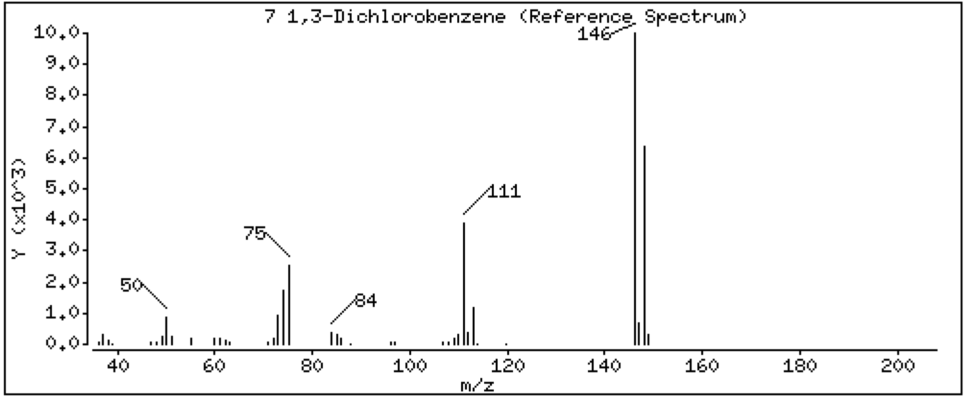
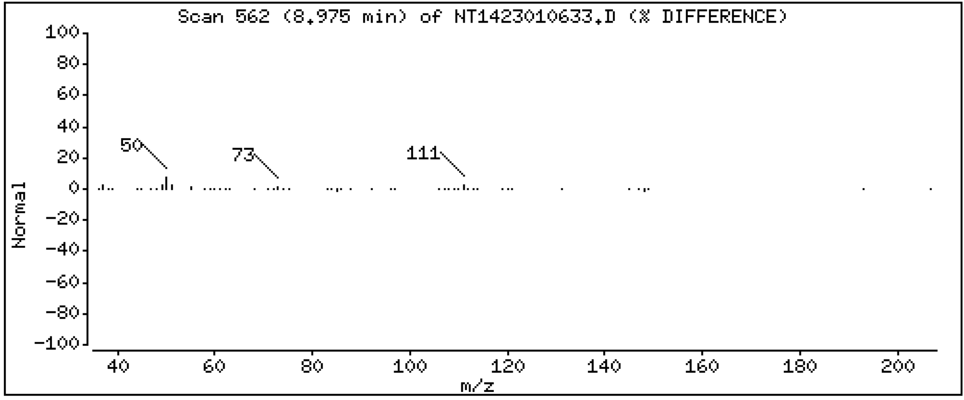

7 1,3-Dichlorobenzene (Reference Spectrum)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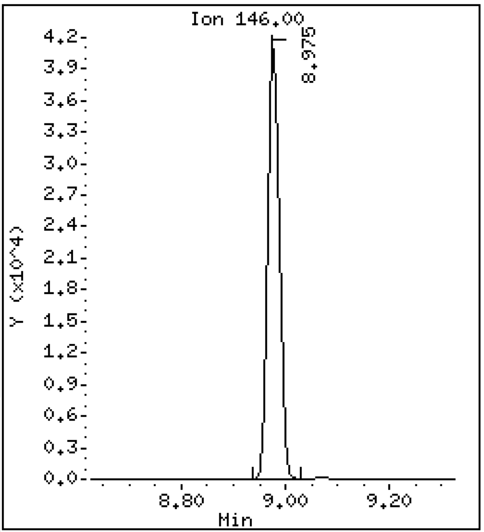
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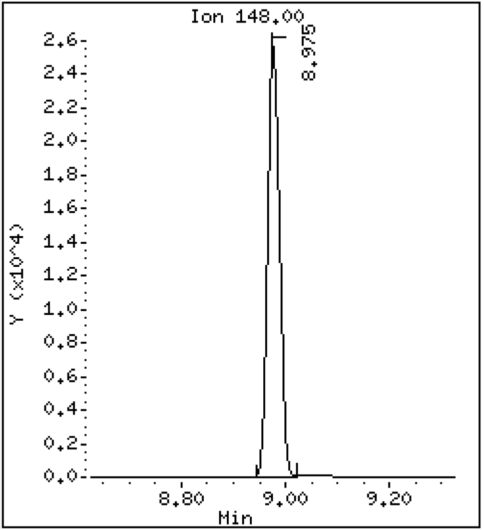
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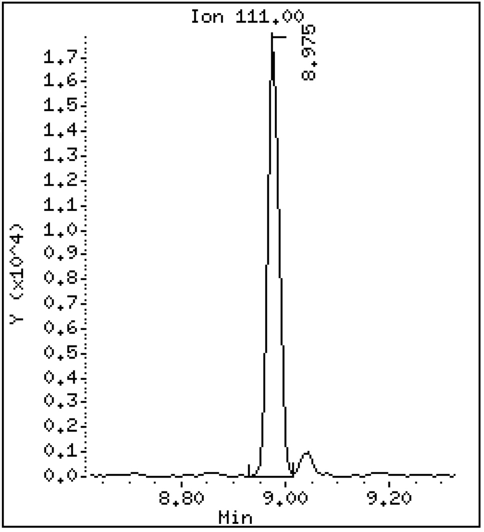
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Data File: \\target\share\chem3\nt14.i\20230106.b\NT1423010633.D

Date : 07-JAN-2023 06:51

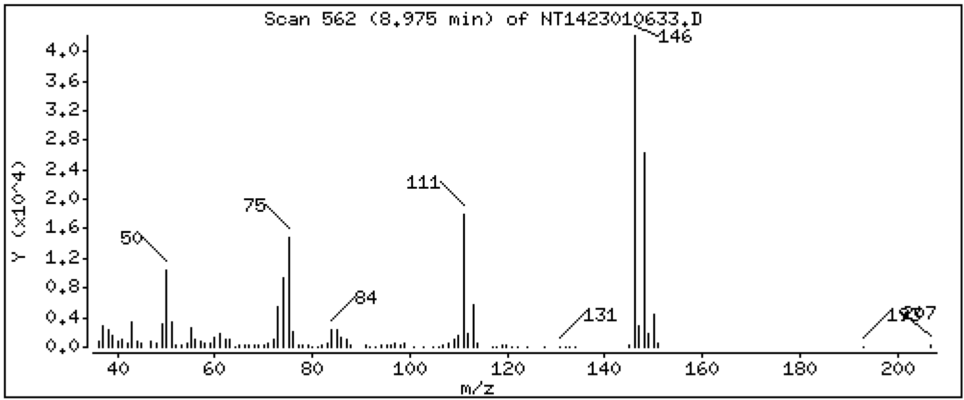
Client ID: Instrument: nt14.i

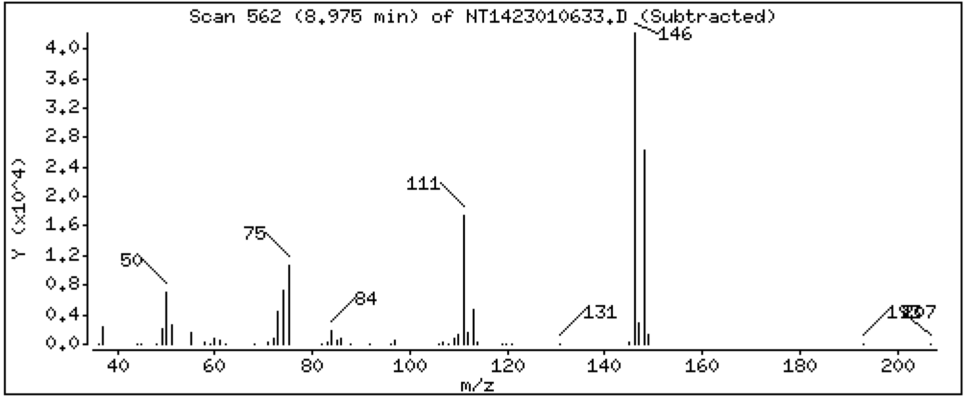
Sample Info: BKL0585-SRM1

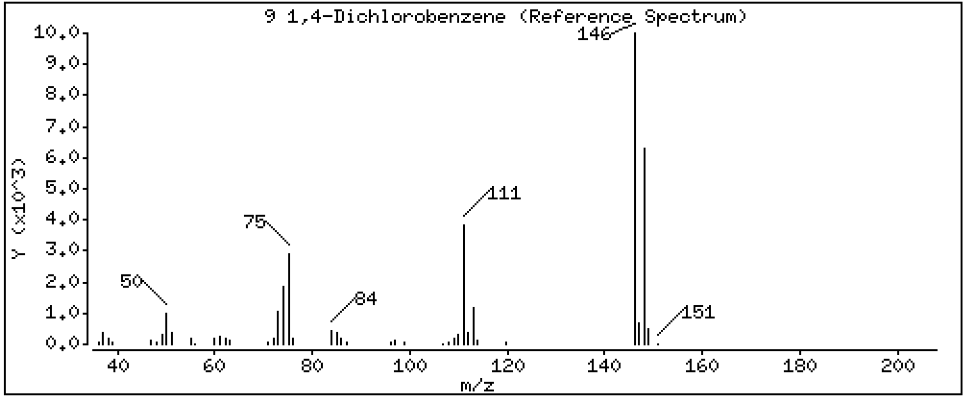
Operator: VTS

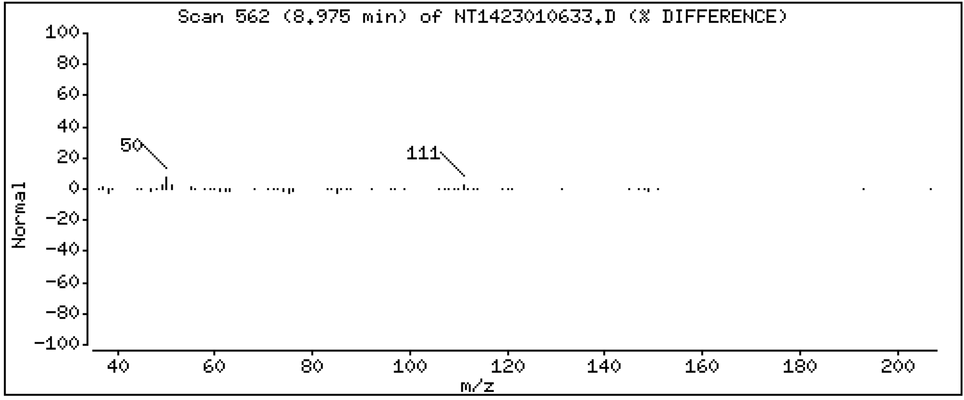
Column phase: ZB-5msi Column diameter: 0.25

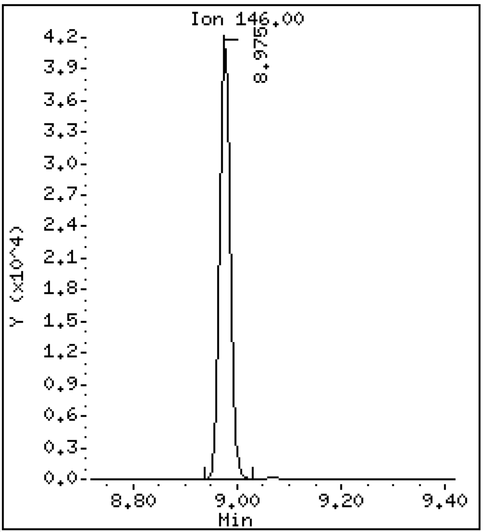
9 1,4-Dichlorobenzene Concentration: 1.548 ug/mL

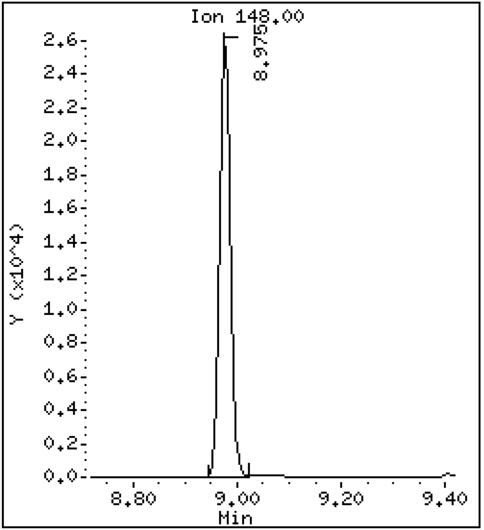

Scan 562 (8.975 min) of NT1423010633.D

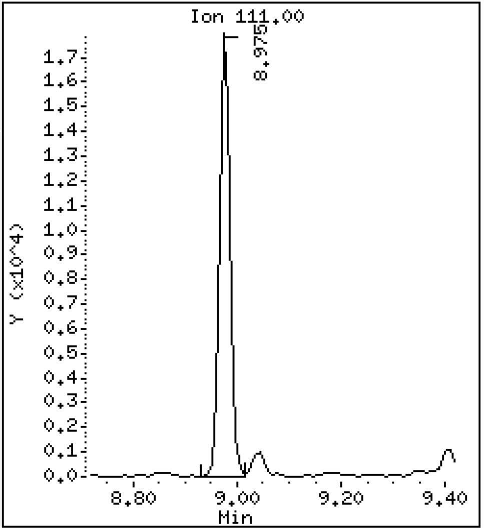

Scan 562 (8.975 min) of NT1423010633.D (Subtracted)


9 1,4-Dichlorobenzene (Reference Spectrum)


Scan 562 (8.975 min) of NT1423010633.D (% DIFFERENCE)


Ion 146.00


Ion 148.00


Ion 111.00

Data File: \\target\share\chem3\nt14.i\20230106.b\NT1423010633.D

Date : 07-JAN-2023 06:51

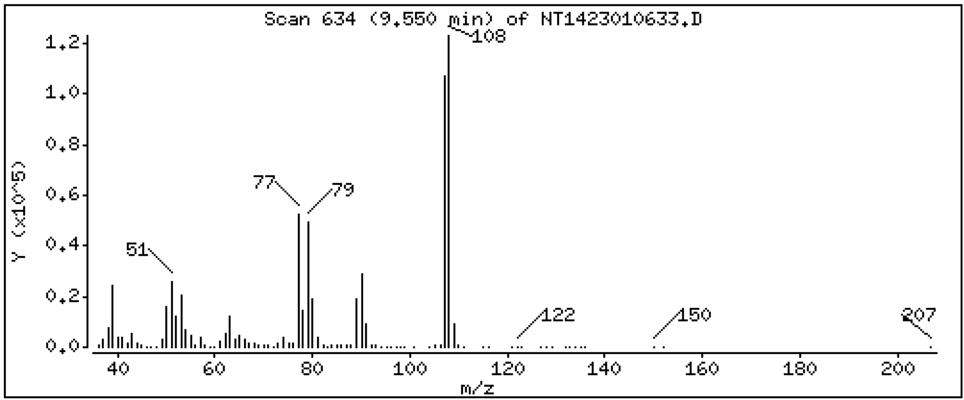
Client ID: Instrument: nt14.i

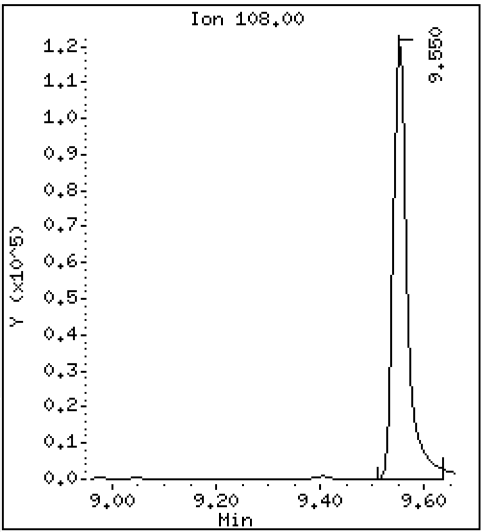
Sample Info: BKL0585-SRM1

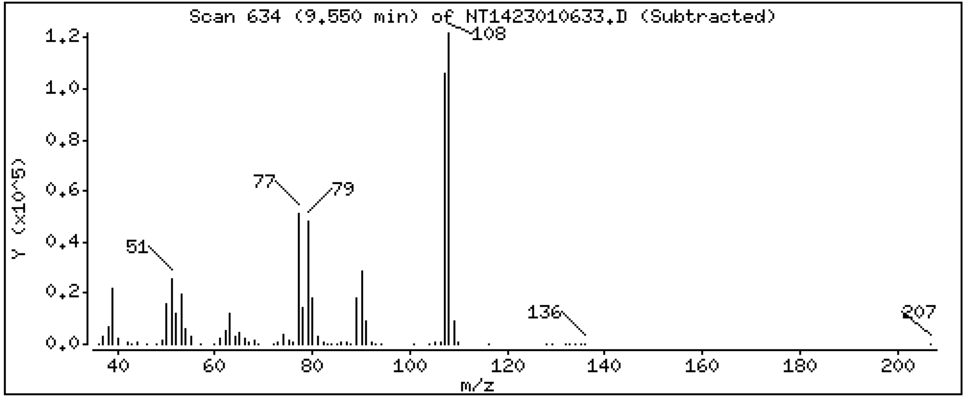
Operator: VTS

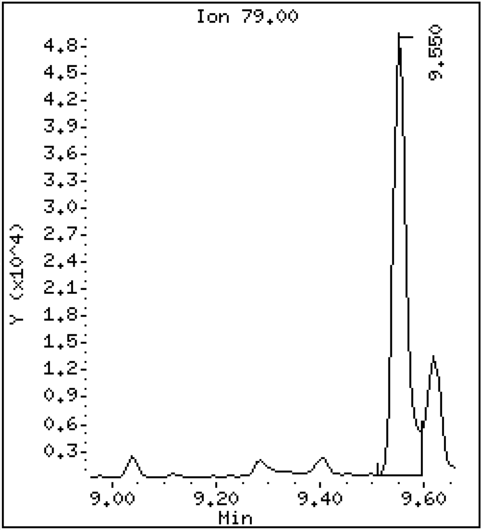
Column phase: ZB-5msi Column diameter: 0.25

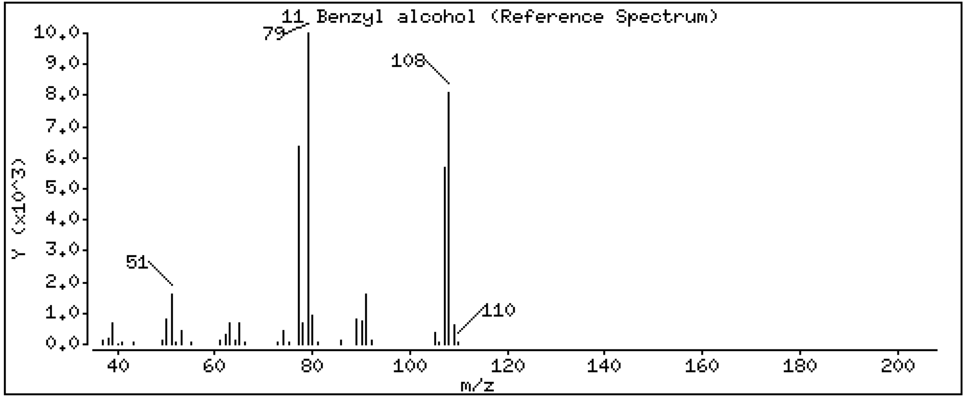
11 Benzyl alcohol Concentration: 10.06 ug/mL

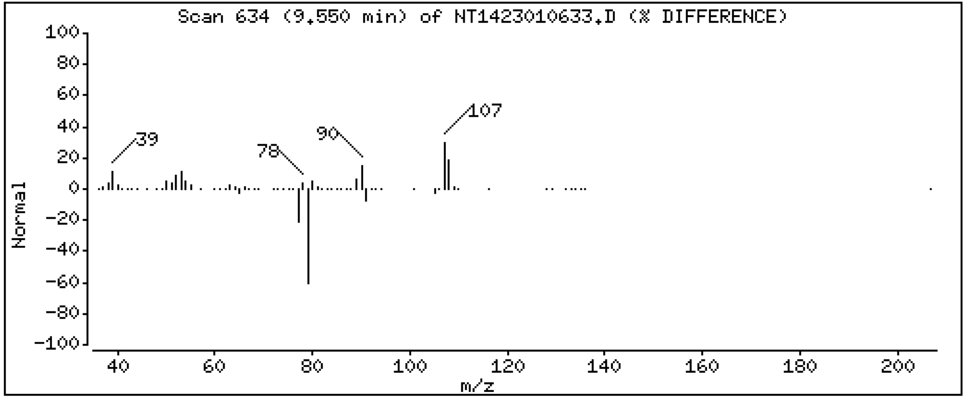

Scan 634 (9.550 min) of NT1423010633.D

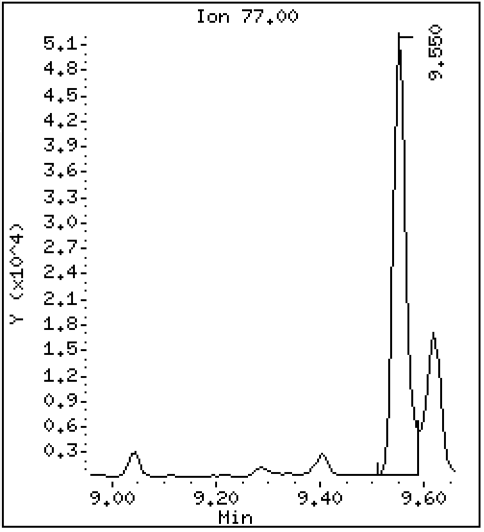

Ion 108.00


Scan 634 (9.550 min) of NT1423010633.D (Subtracted)


Ion 79.00


11 Benzyl alcohol (Reference Spectrum)


Scan 634 (9.550 min) of NT1423010633.D (% DIFFERENCE)


Ion 77.00

Data File: \\target\share\chem3\nt14.i\20230106.b\NT1423010633.D

Date : 07-JAN-2023 06:51

Client ID:

Instrument: nt14.i

Sample Info: BKL0585-SRM1

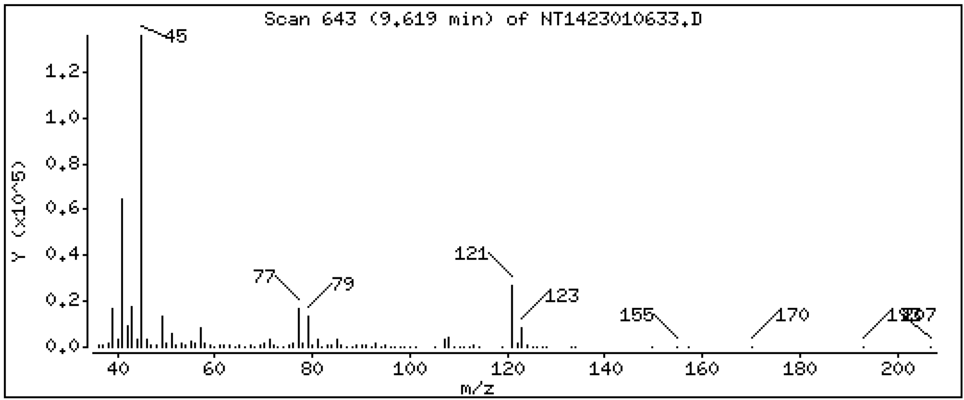
Operator: VTS

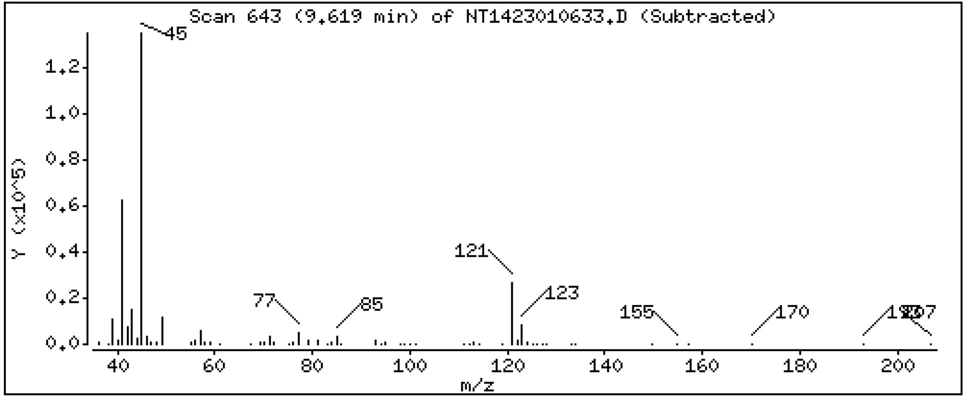
Column phase: ZB-5msi

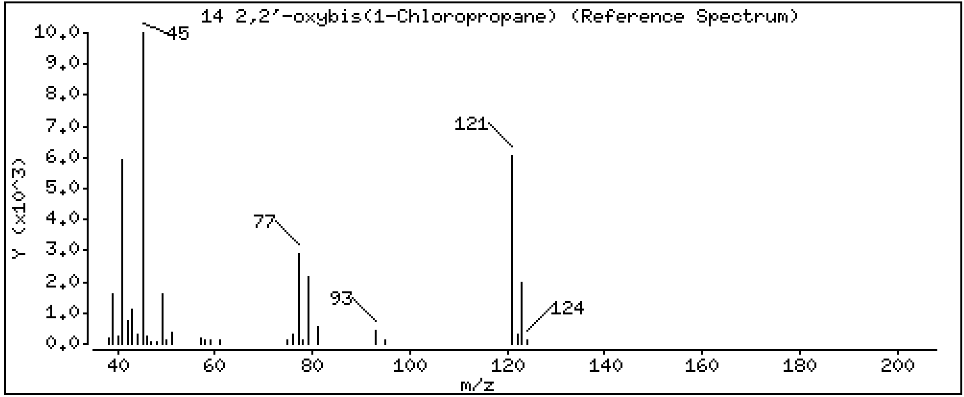
Column diameter: 0.25

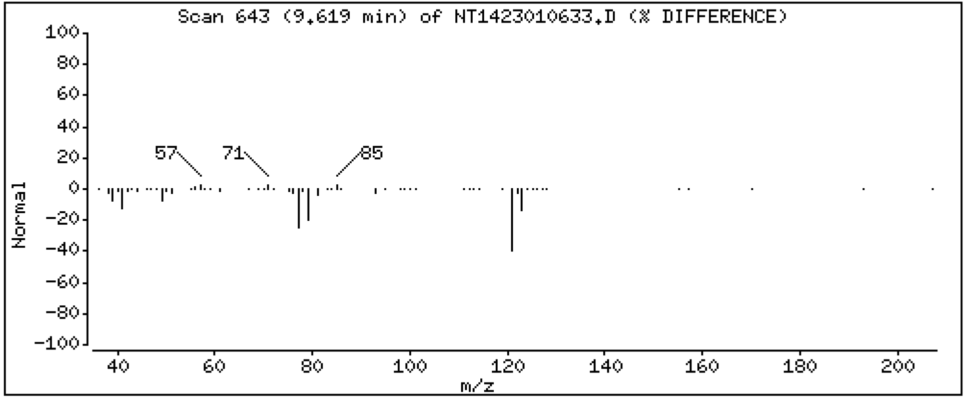
14 2,2'-oxybis(1-Chloropropane)

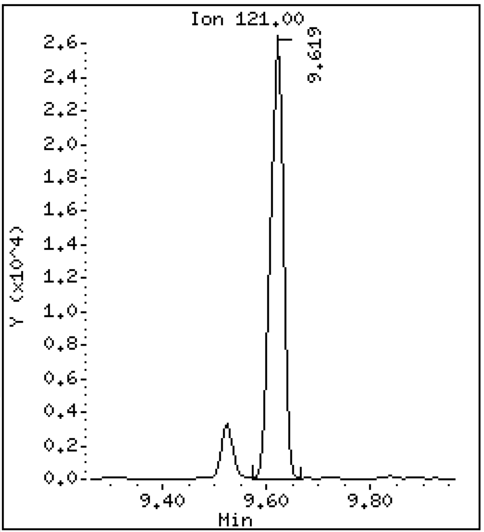
Concentration: 3.953 ug/mL

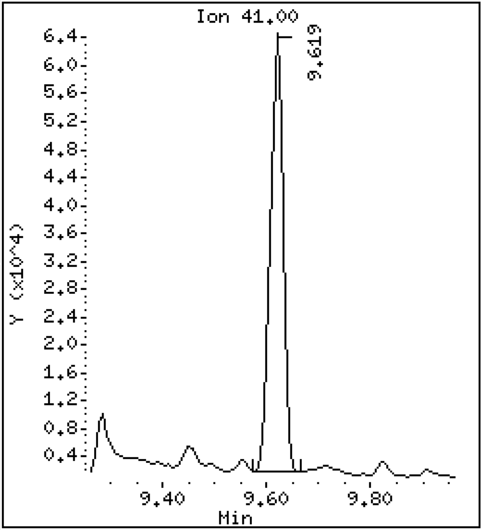

Scan 643 (9.619 min) of NT1423010633.D

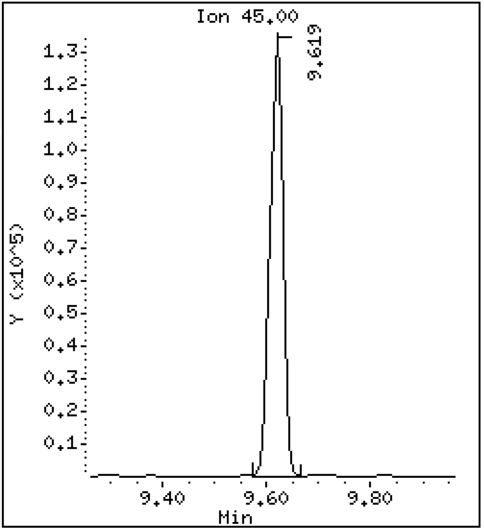

Scan 643 (9.619 min) of NT1423010633.D (Subtracted)


14 2,2'-oxybis(1-Chloropropane) (Reference Spectrum)


Scan 643 (9.619 min) of NT1423010633.D (% DIFFERENCE)


Ion 121.00


Ion 41.00


Ion 45.00

Data File: \\target\share\chem3\nt14.i\20230106.b\NT1423010633.D

Date : 07-JAN-2023 06:51

Client ID: Instrument: nt14.i

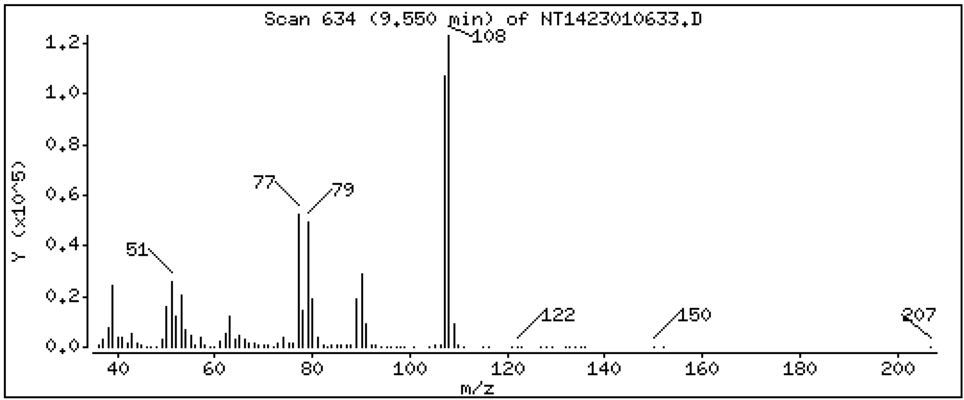
Sample Info: BKL0585-SRM1

Operator: VTS

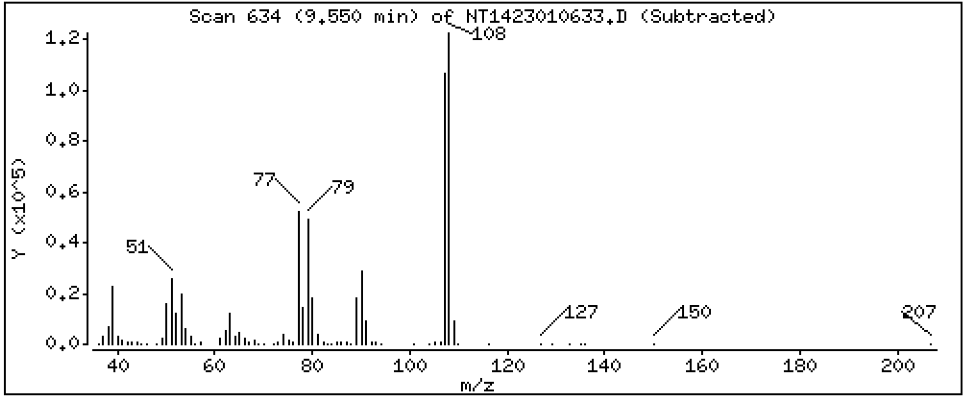
Column phase: ZB-5msi Column diameter: 0.25

13 2-Methylphenol Concentration: 6.278 ug/mL

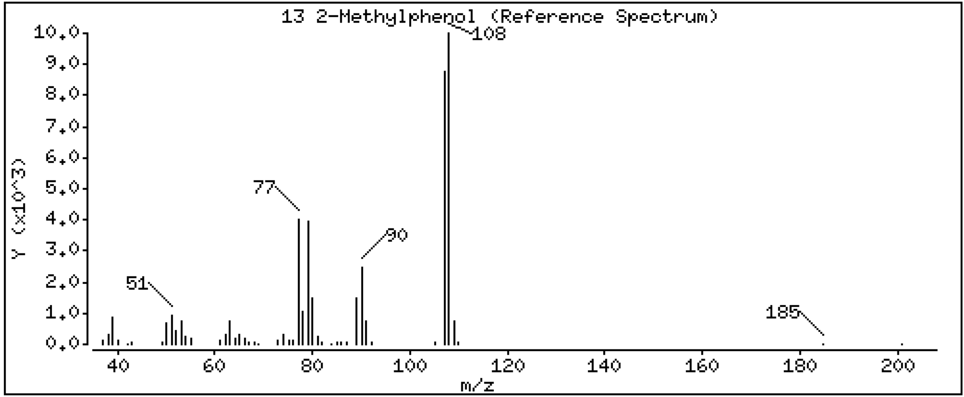
Scan 634 (9.550 min) of NT1423010633.D



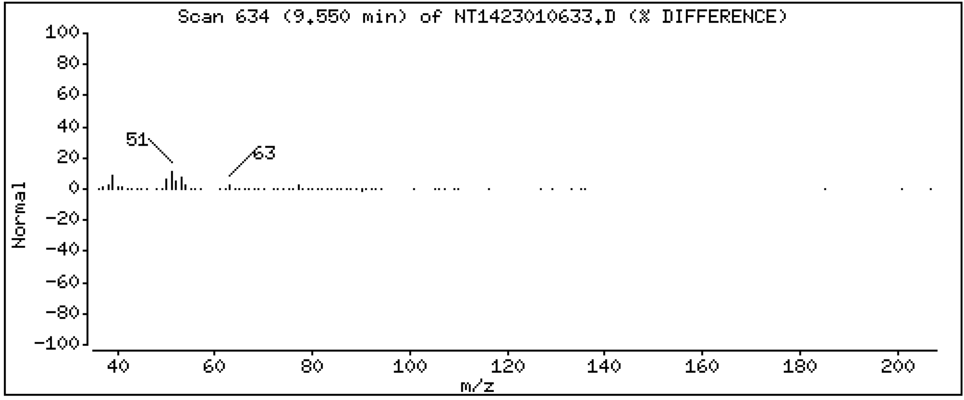
Scan 634 (9.550 min) of NT1423010633.D (Subtracted)



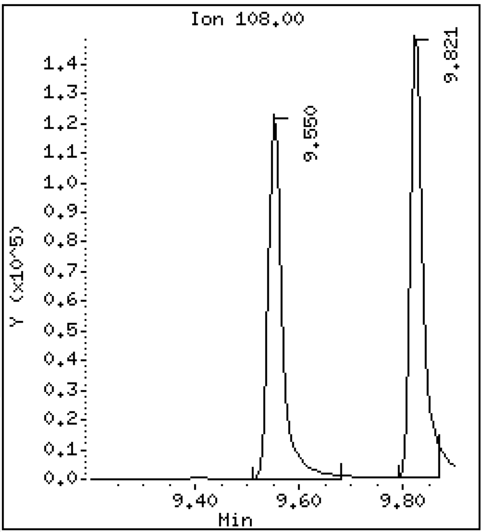
13 2-Methylphenol (Reference Spectrum)



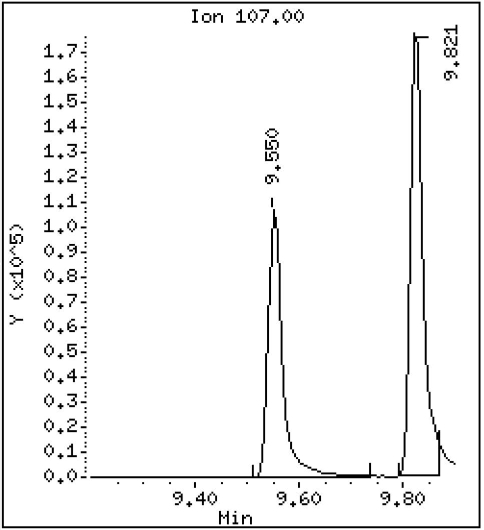
Scan 634 (9.550 min) of NT1423010633.D (% DIFFERENCE)



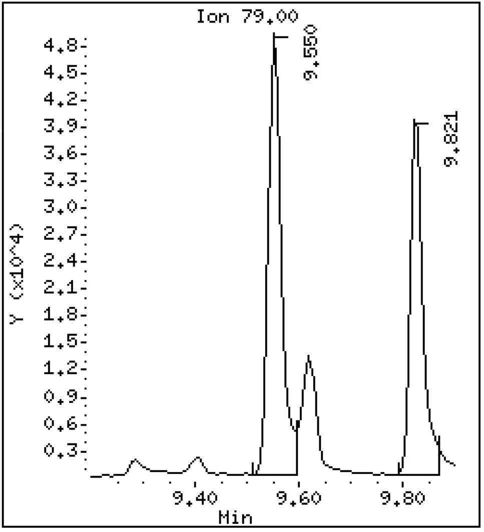
Ion 108.00



Ion 107.00



Ion 79.00



Data File: \\target\share\chem3\nt14.i\20230106.b\NT1423010633.D

Date : 07-JAN-2023 06:51

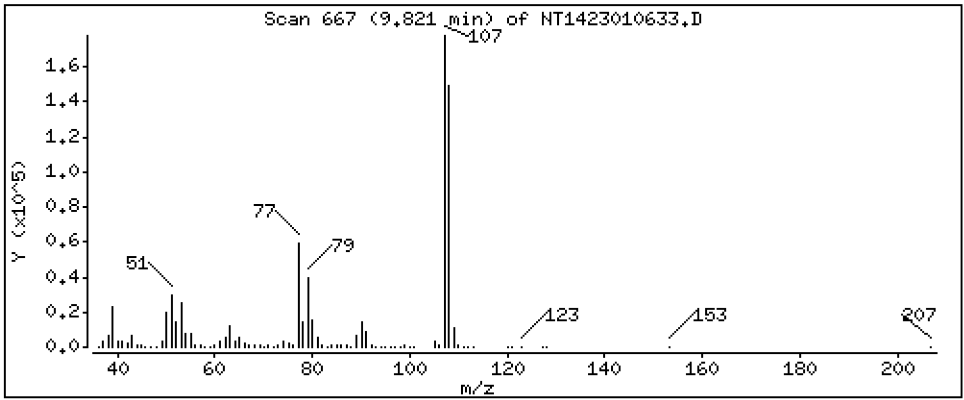
Client ID: Instrument: nt14.i

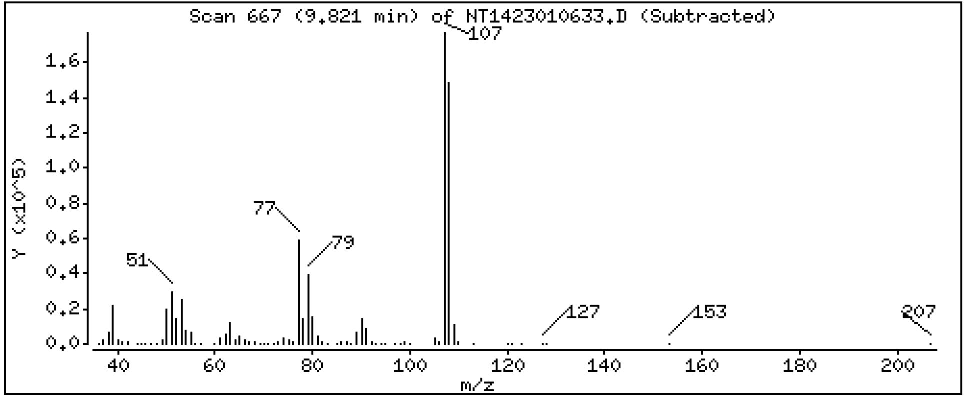
Sample Info: BKL0585-SRM1

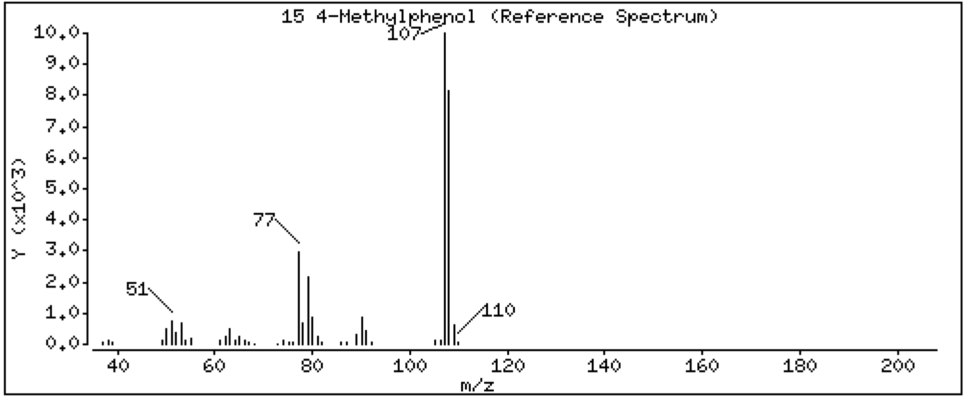
Operator: VTS

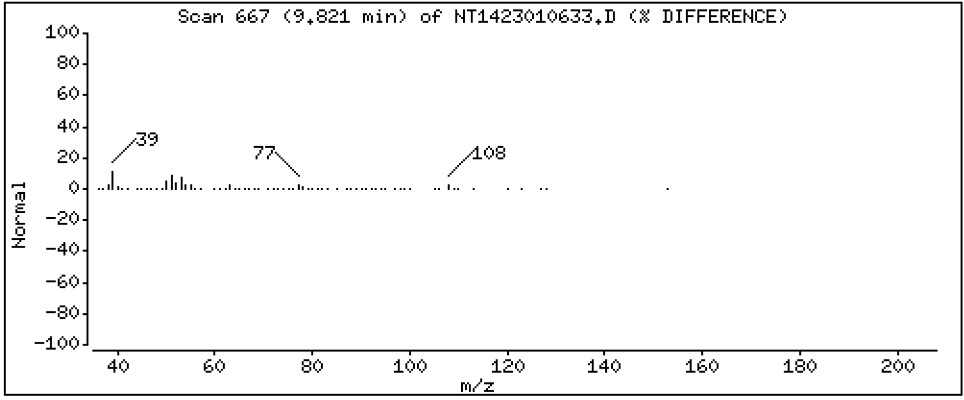
Column phase: ZB-5msi Column diameter: 0.25

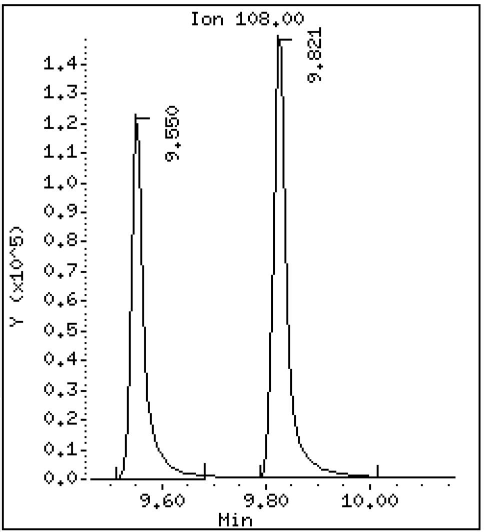
15 4-Methylphenol Concentration: 7.569 ug/mL


Scan 667 (9.821 min) of NT1423010633.D


Scan 667 (9.821 min) of NT1423010633.D (Subtracted)


15 4-Methylphenol (Reference Spectrum)


Scan 667 (9.821 min) of NT1423010633.D (% DIFFERENCE)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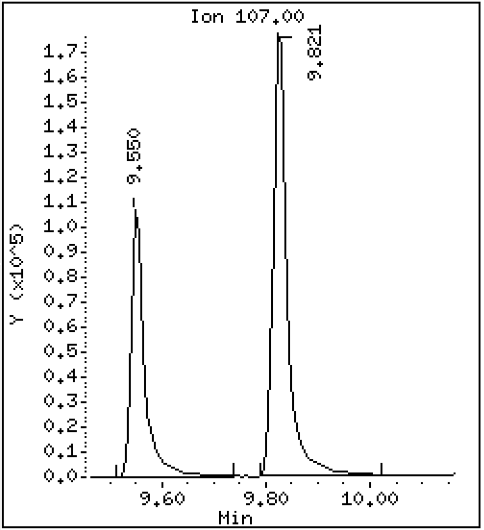
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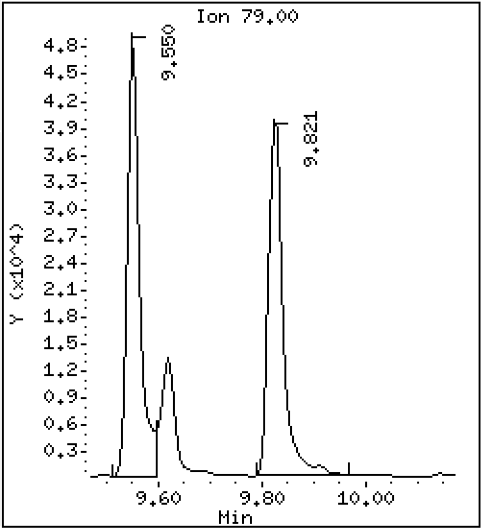

Ion 79.00

Data File: \\target\share\chem3\nt14.i\20230106.b\NT1423010633.D

Date : 07-JAN-2023 06:51

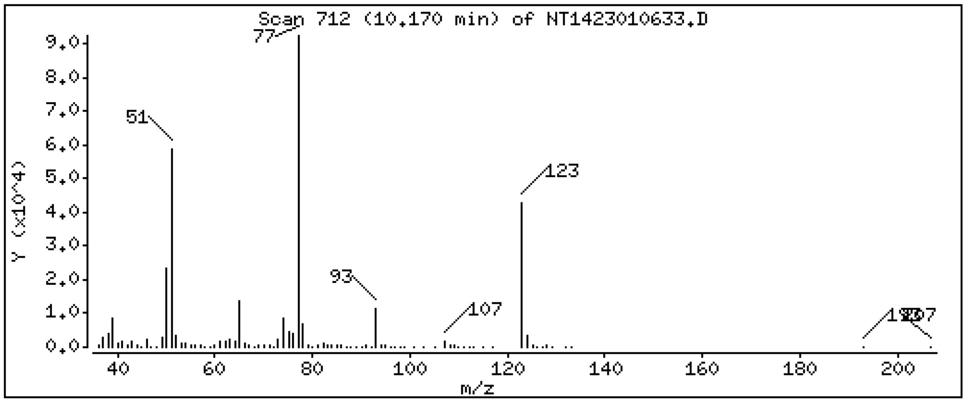
Client ID: Instrument: nt14.i

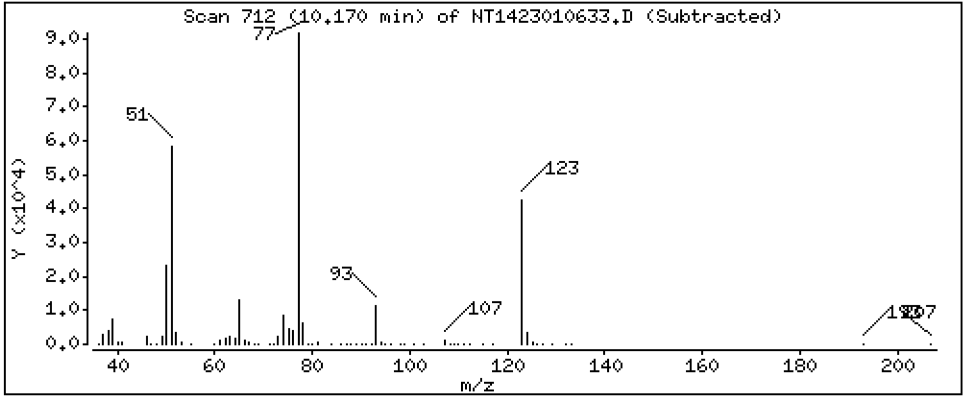
Sample Info: BKL0585-SRM1

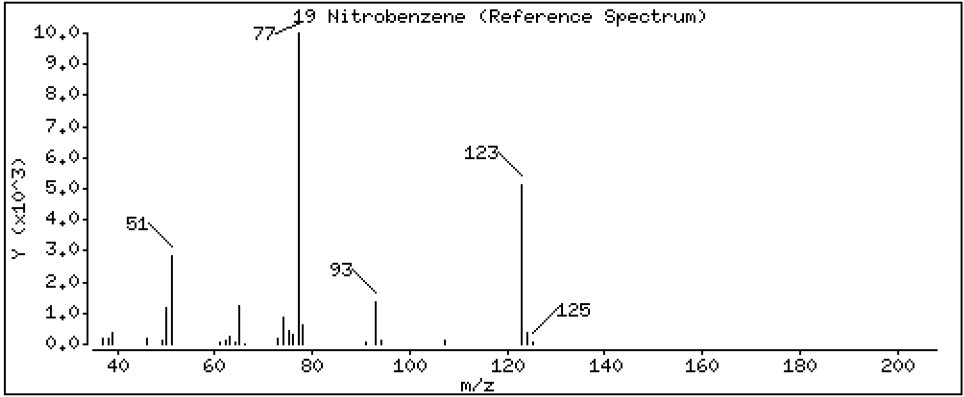
Operator: VTS

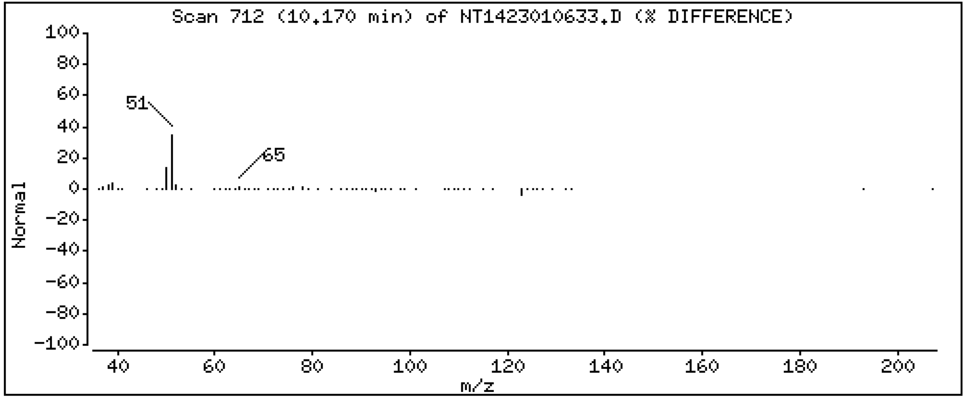
Column phase: ZB-5msi Column diameter: 0.25

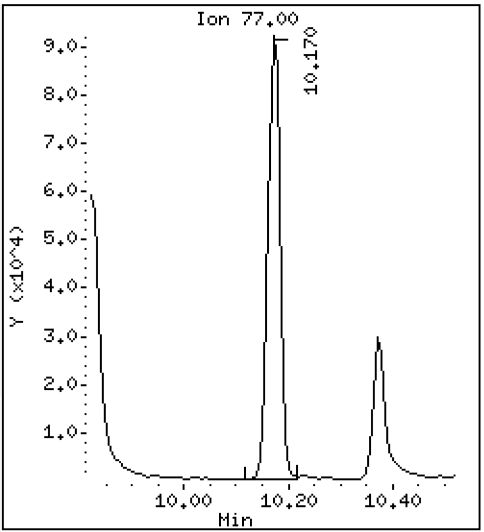
19 Nitrobenzene Concentration: 4.176 ug/mL

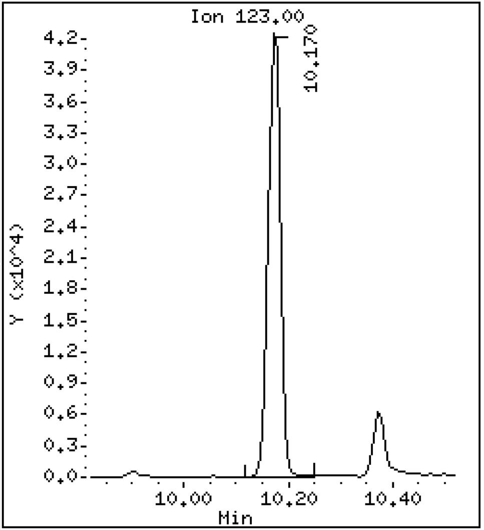


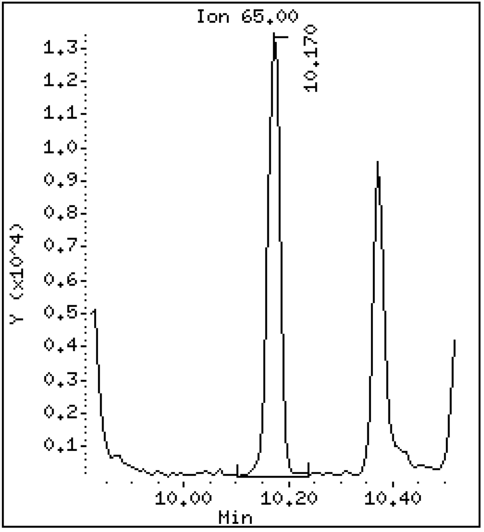












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Date : 07-JAN-2023 06:51

Client ID:

Instrument: nt14.i

Sample Info: BKL0585-SRM1

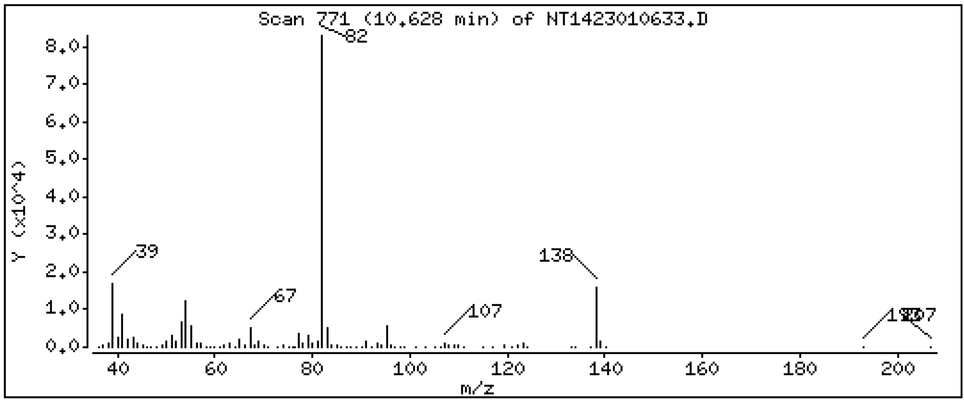
Operator: VTS

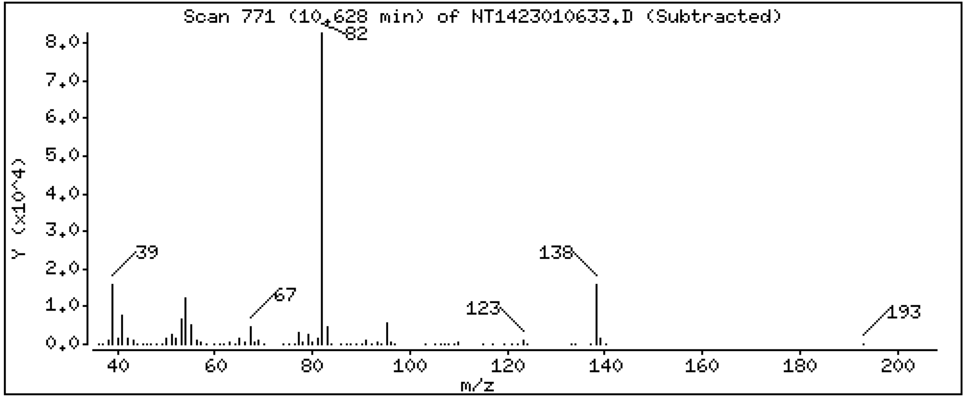
Column phase: ZB-5msi

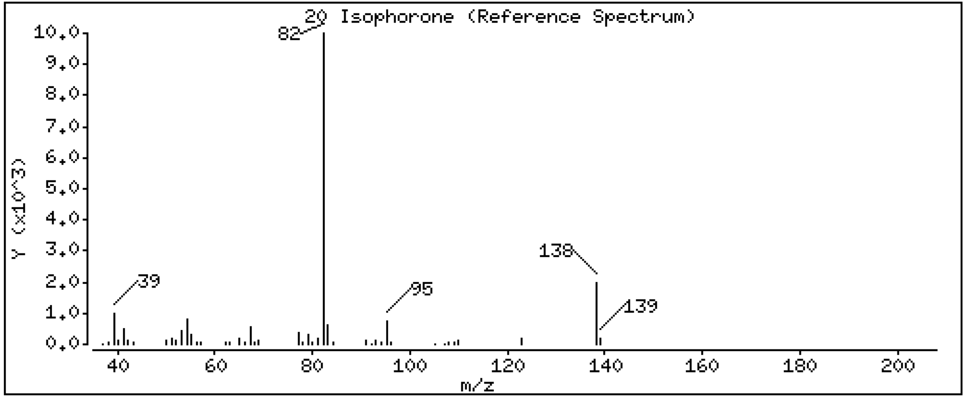
Column diameter: 0.25

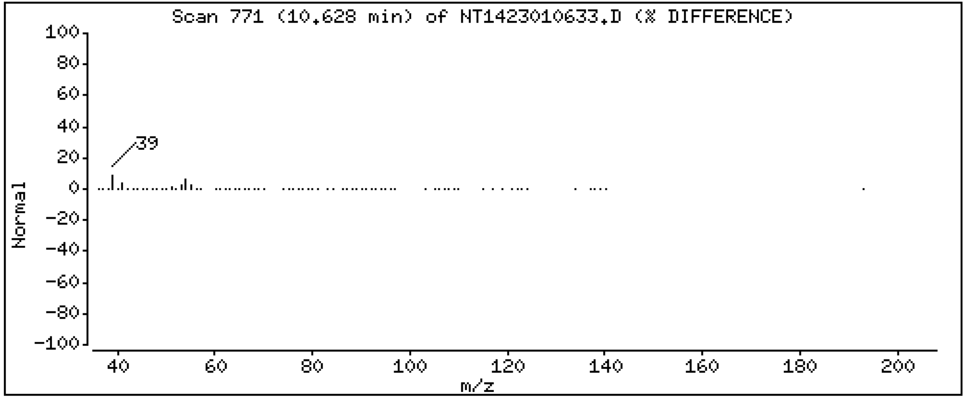
20 Isophorone

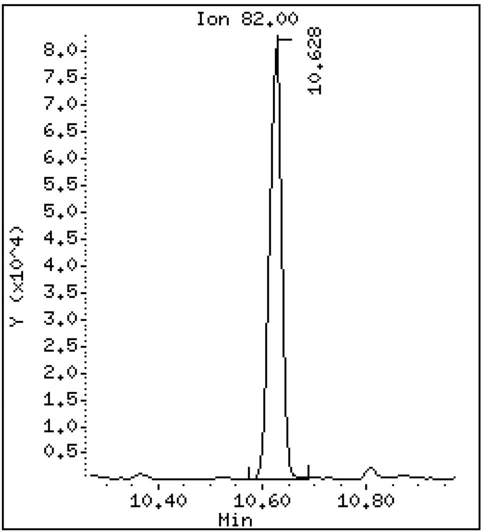
Concentration: 2.912 ug/mL

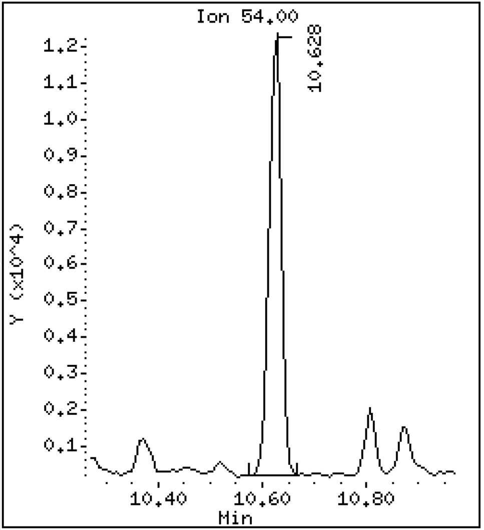

Scan 771 (10.628 min) of NT1423010633.D

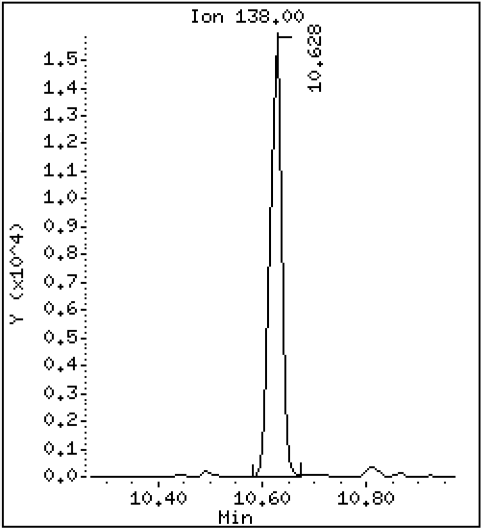

Scan 771 (10.628 min) of NT1423010633.D (Subtracted)


20 Isophorone (Reference Spectrum)


Scan 771 (10.628 min) of NT1423010633.D (% DIFFERENCE)


Ion 82.00


Ion 54.00


Ion 138.00

Data File: \\target\share\chem3\nt14.i\20230106.b\NT1423010633.D

Date : 07-JAN-2023 06:51

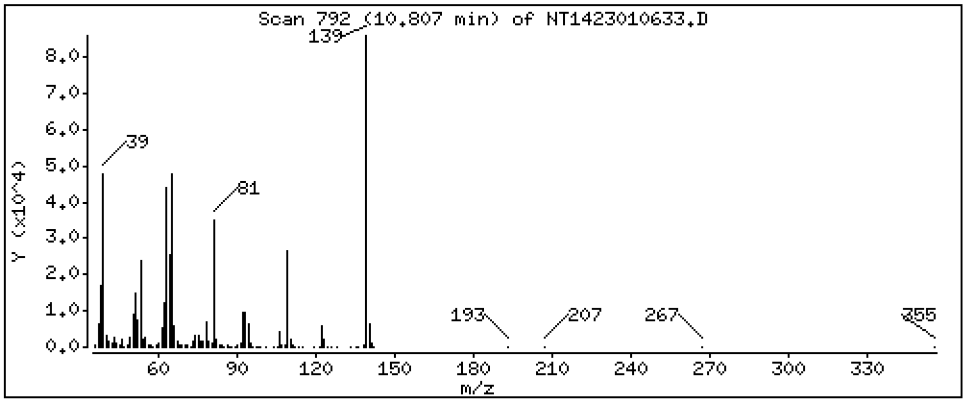
Client ID: Instrument: nt14.i

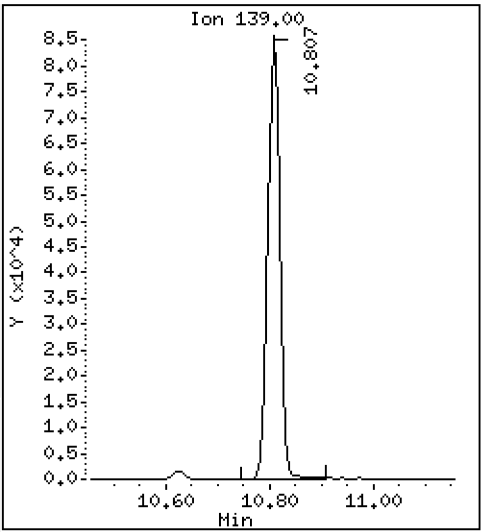
Sample Info: BKL0585-SRM1

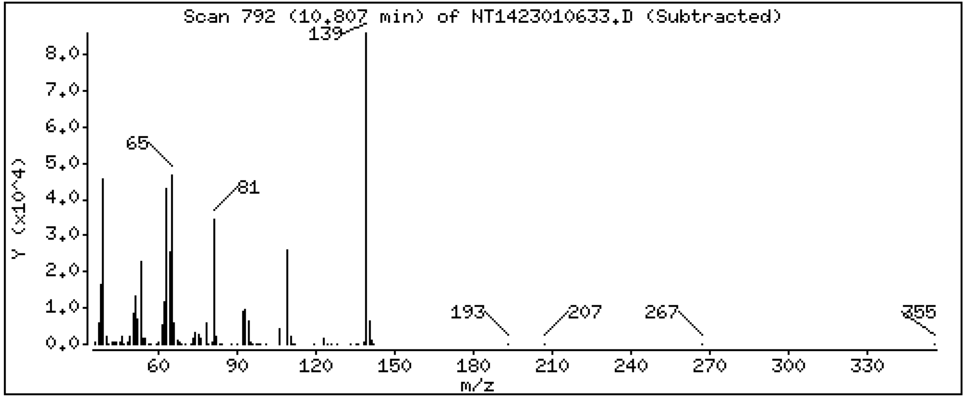
Operator: VTS

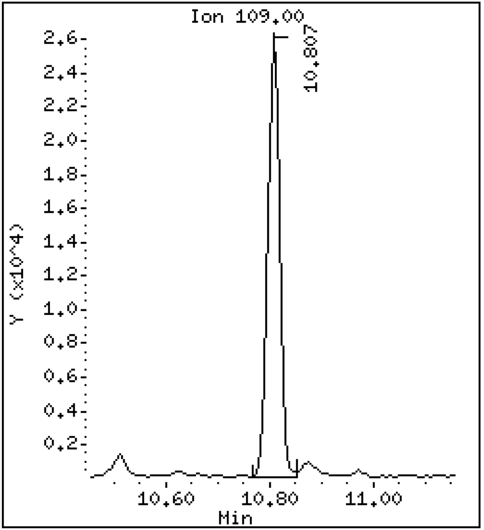
Column phase: ZB-5msi Column diameter: 0.25

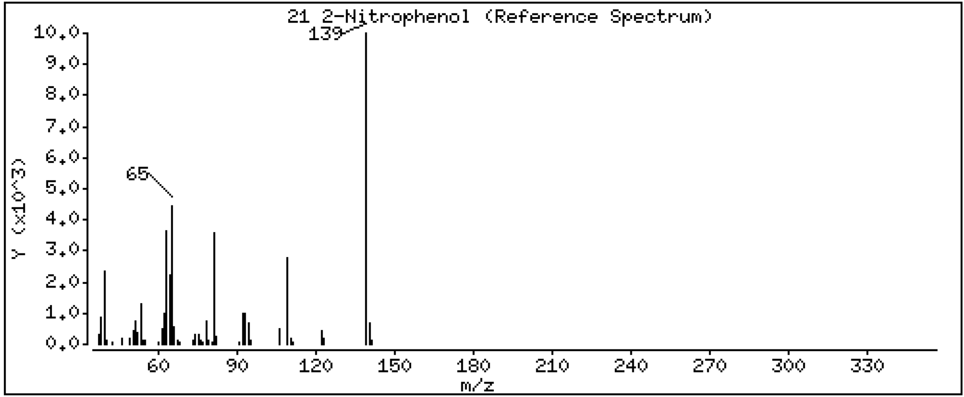
21 2-Nitrophenol Concentration: 6.499 ug/mL

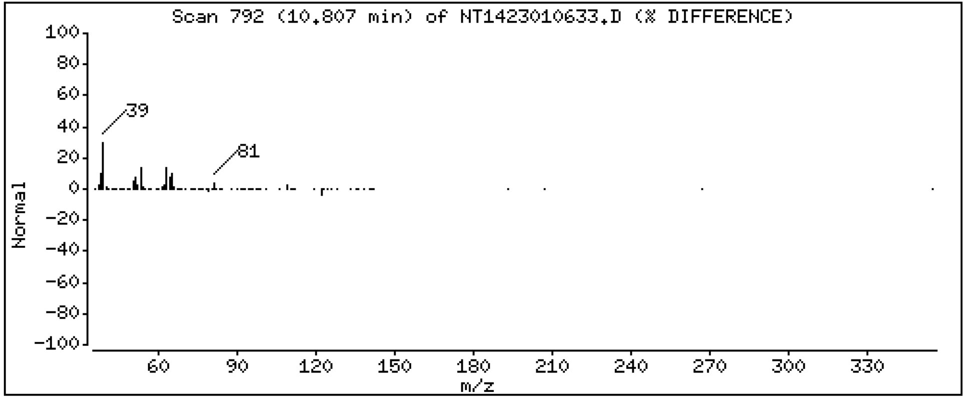

Scan 792 (10.807 min) of NT1423010633.D

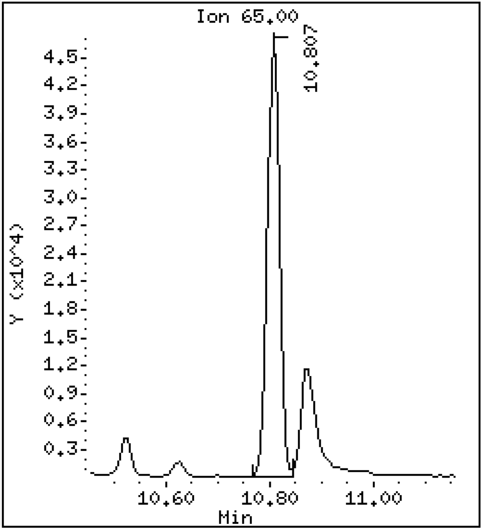

Ion 139.00


Scan 792 (10.807 min) of NT1423010633.D (Subtracted)


Ion 109.00


21 2-Nitrophenol (Reference Spectrum)


Scan 792 (10.807 min) of NT1423010633.D (% DIFFERENCE)


Ion 65.00

Date : 07-JAN-2023 06:51

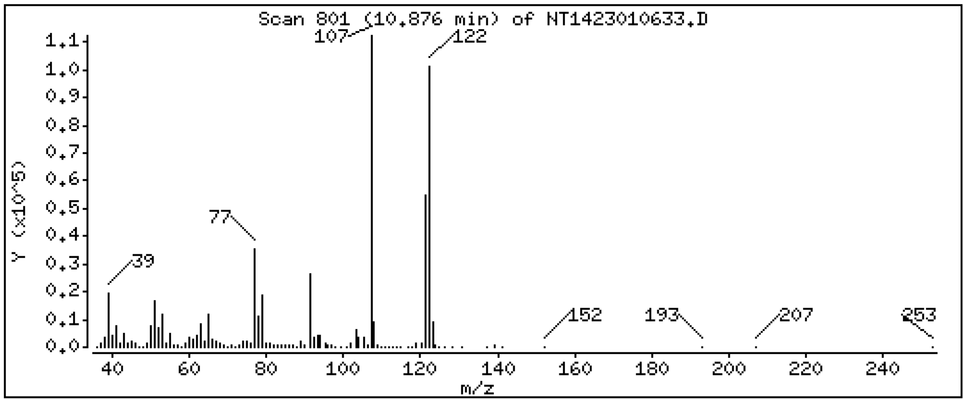
Client ID: Instrument: nt14.i

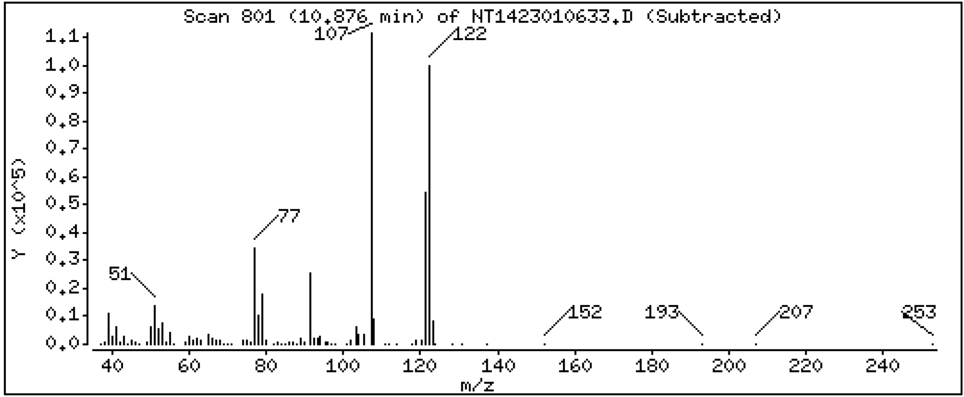
Sample Info: BKL0585-SRM1

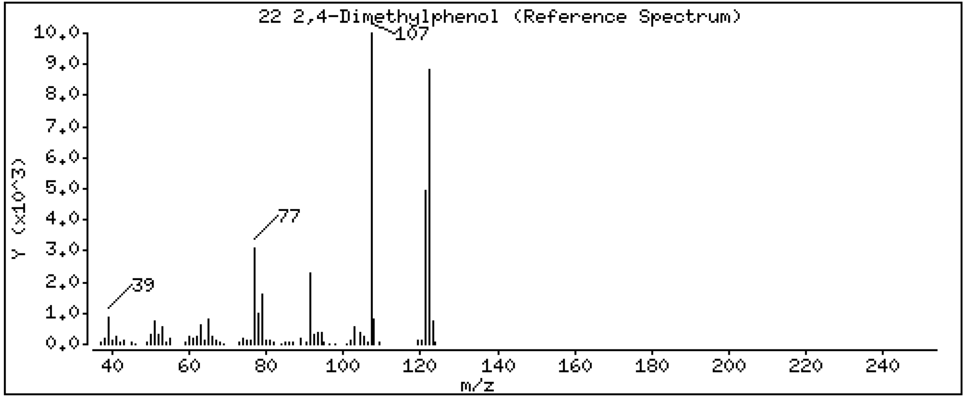
Operator: VTS

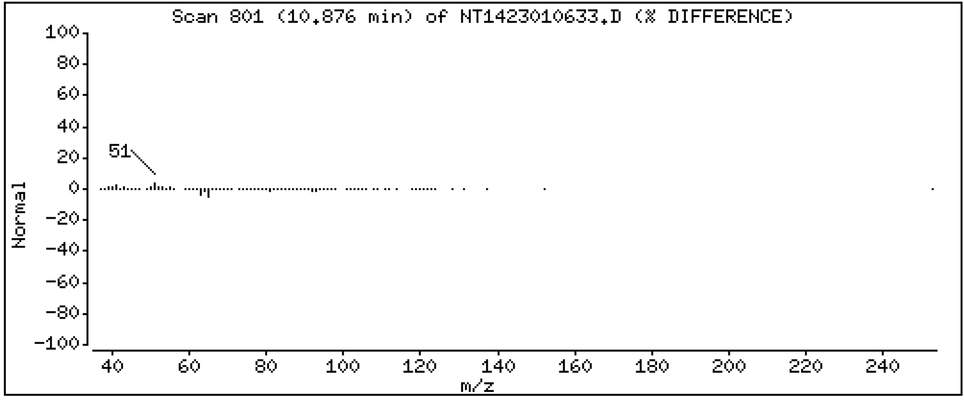
Column phase: ZB-5msi Column diameter: 0.25

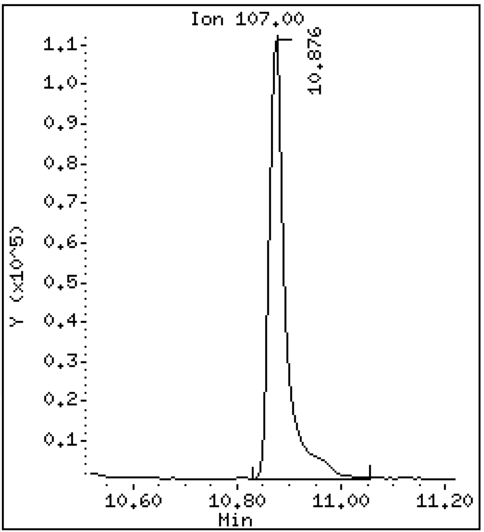
22 2,4-Dimethylphenol Concentration: 6.673 ug/mL

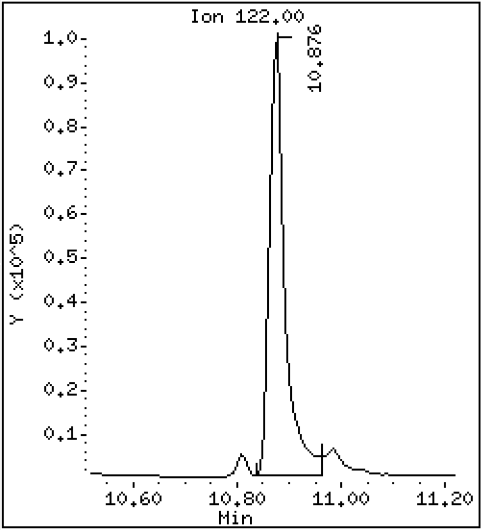

Scan 801 (10.876 min) of NT1423010633.D

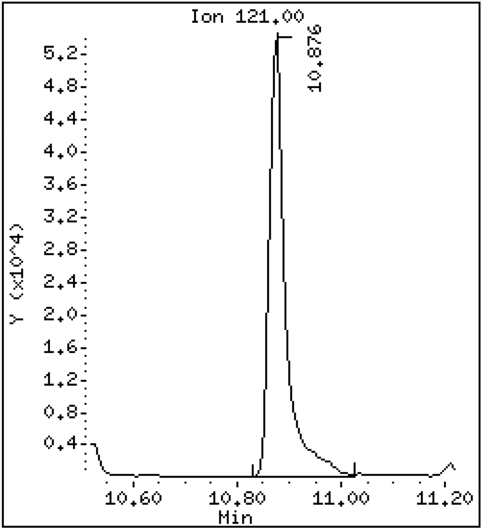

Scan 801 (10.876 min) of NT1423010633.D (Subtracted)


22 2,4-Dimethylphenol (Reference Spectrum)


Scan 801 (10.876 min) of NT1423010633.D (% DIFFERENCE)


Ion 107.00


Ion 122.00


Ion 121.00

Date : 07-JAN-2023 06:51

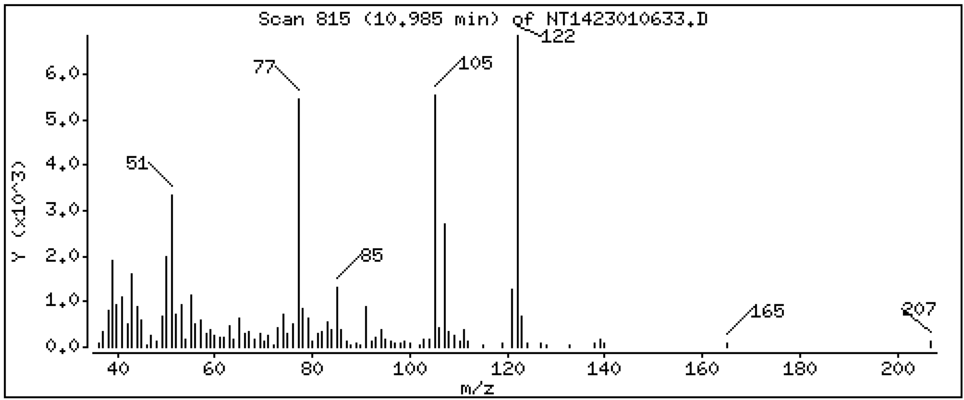
Client ID: Instrument: nt14.i

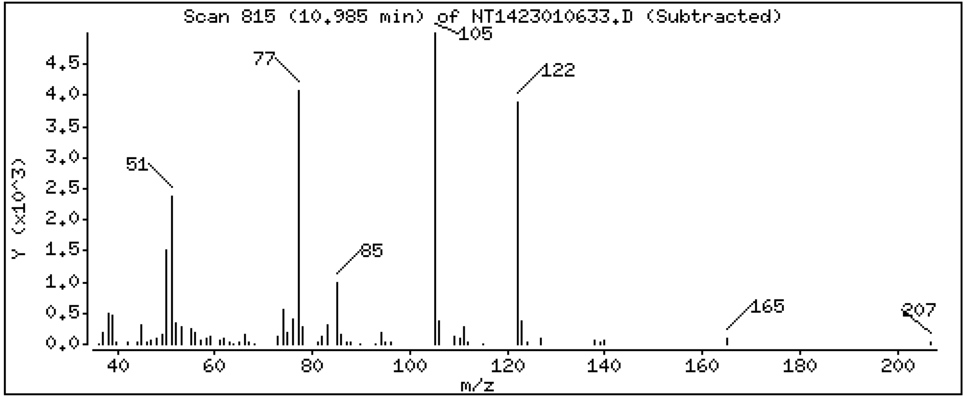
Sample Info: BKL0585-SRM1

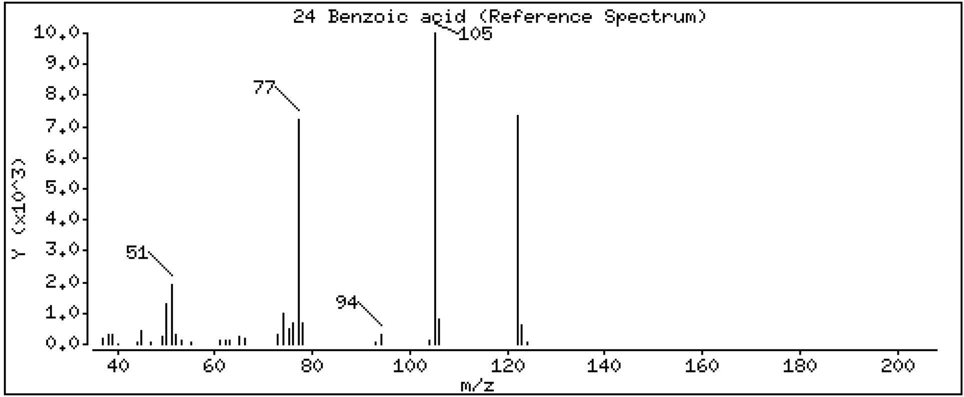
Operator: VTS

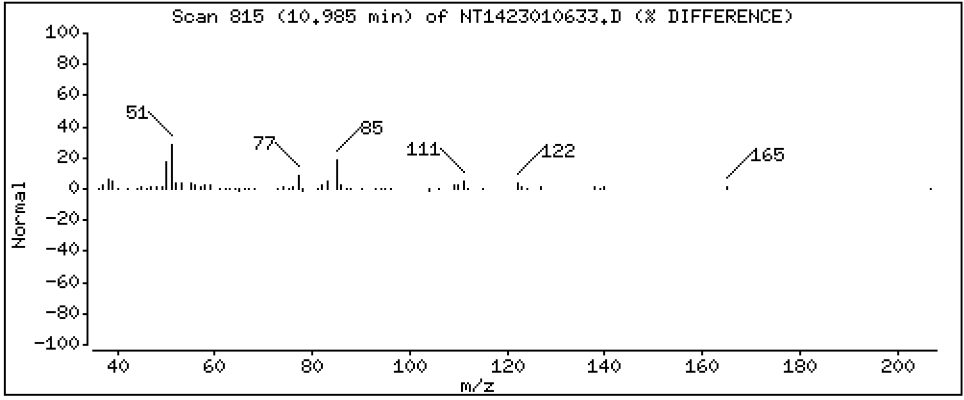
Column phase: ZB-5msi Column diameter: 0.25

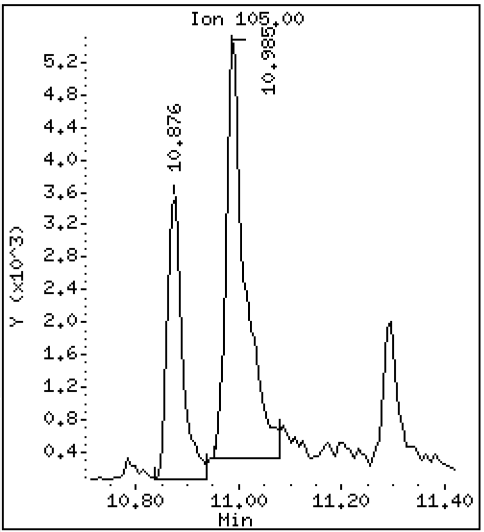
24 Benzoic acid Concentration: 0.6311 ug/mL

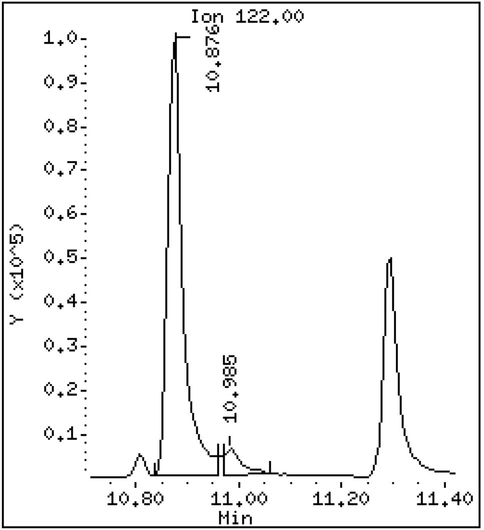

Scan 815 (10.985 min) of NT1423010633.D

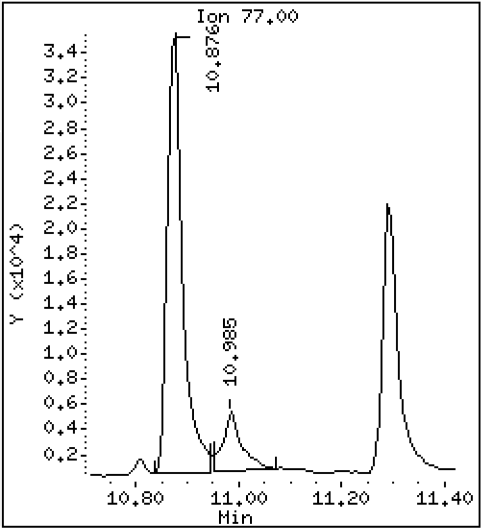

Scan 815 (10.985 min) of NT1423010633.D (Subtracted)


24 Benzoic acid (Reference Spectrum)


Scan 815 (10.985 min) of NT1423010633.D (% DIFFERENCE)


Ion 105.00


Ion 122.00


Ion 77.00

Data File: \\target\share\chem3\nt14.i\20230106.b\NT1423010633.D

Date : 07-JAN-2023 06:51

Client ID:

Instrument: nt14.i

Sample Info: BKL0585-SRM1

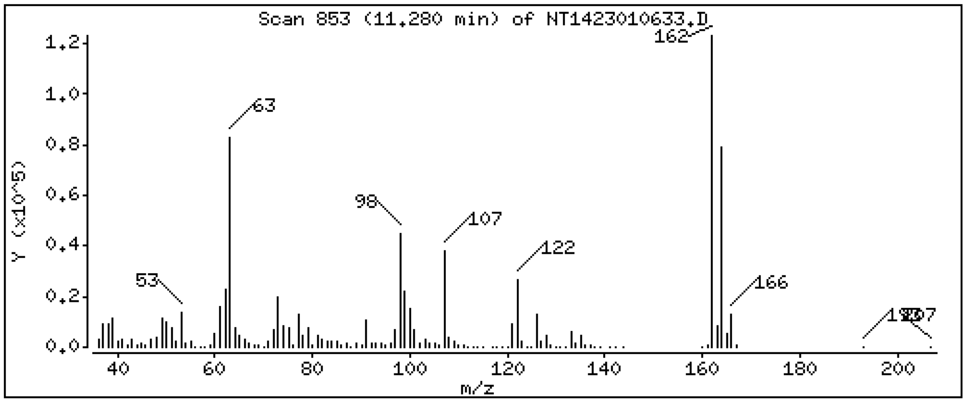
Operator: VTS

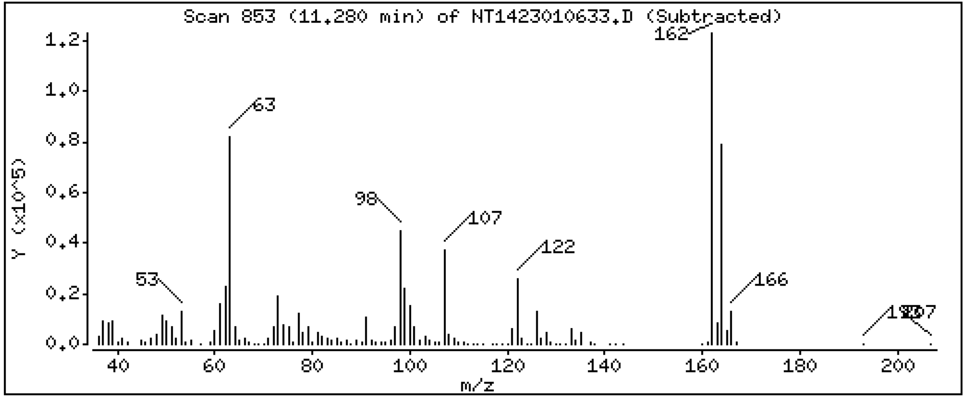
Column phase: ZB-5msi

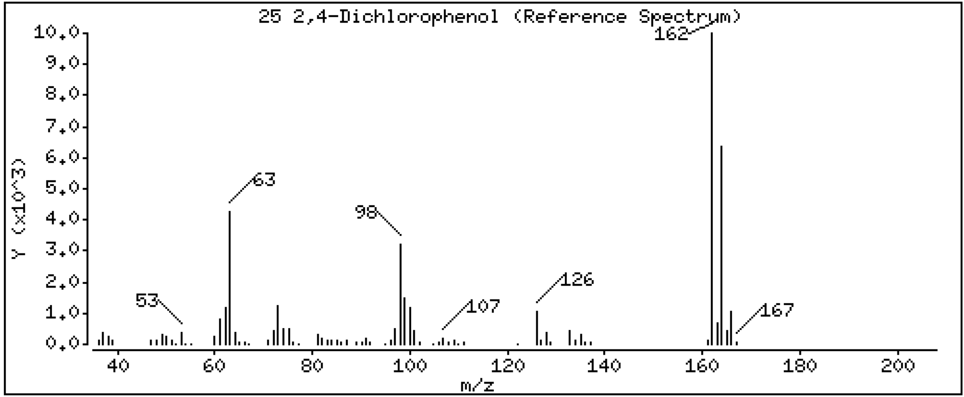
Column diameter: 0.25

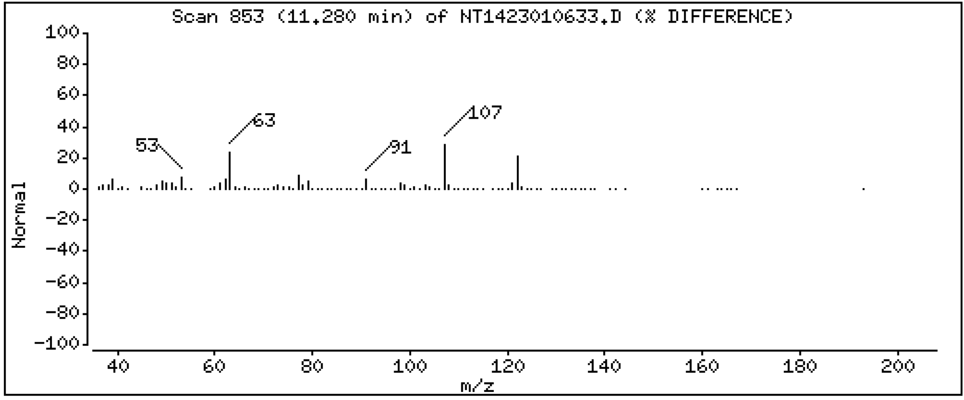
25 2,4-Dichlorophenol

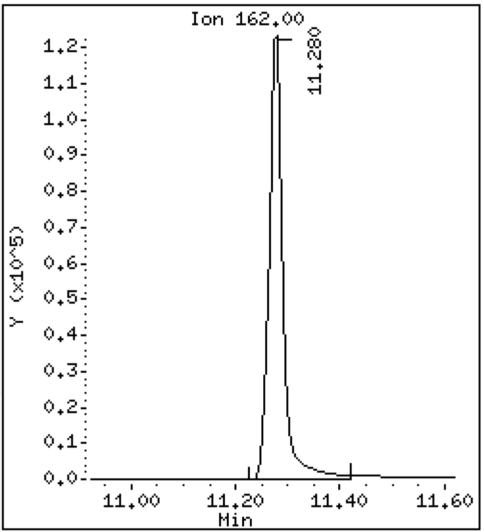
Concentration: 8.312 ug/mL

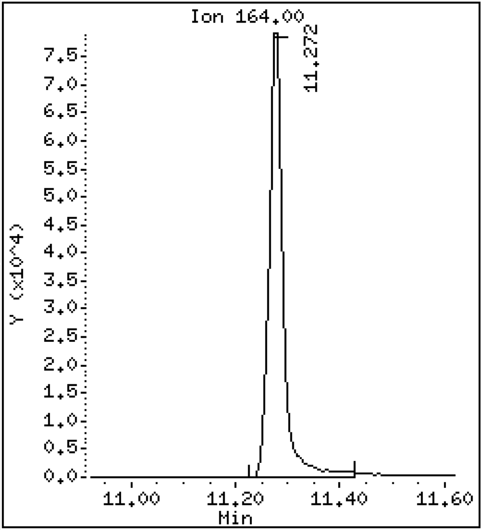

Scan 853 (11.280 min) of NT1423010633.D

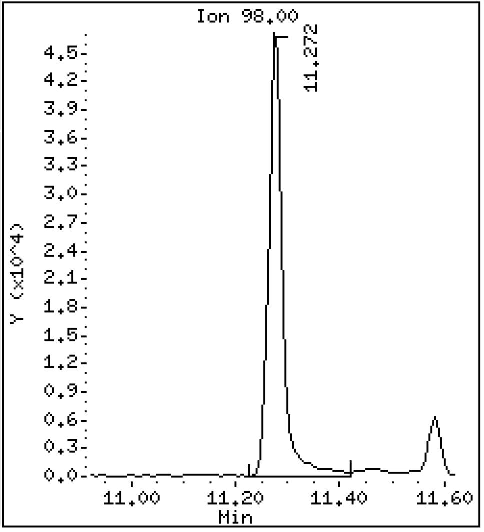

Scan 853 (11.280 min) of NT1423010633.D (Subtracted)


25 2,4-Dichlorophenol (Reference Spectrum)


Scan 853 (11.280 min) of NT1423010633.D (% DIFFERENCE)


Ion 162.00


Ion 164.00


Ion 98.00

Data File: \\target\share\chem3\nt14.i\20230106.b\NT1423010633.D

Date : 07-JAN-2023 06:51

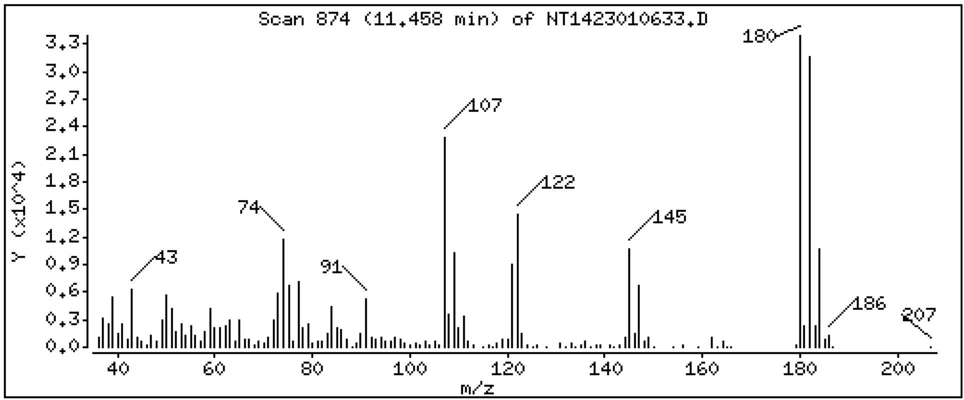
Client ID: Instrument: nt14.i

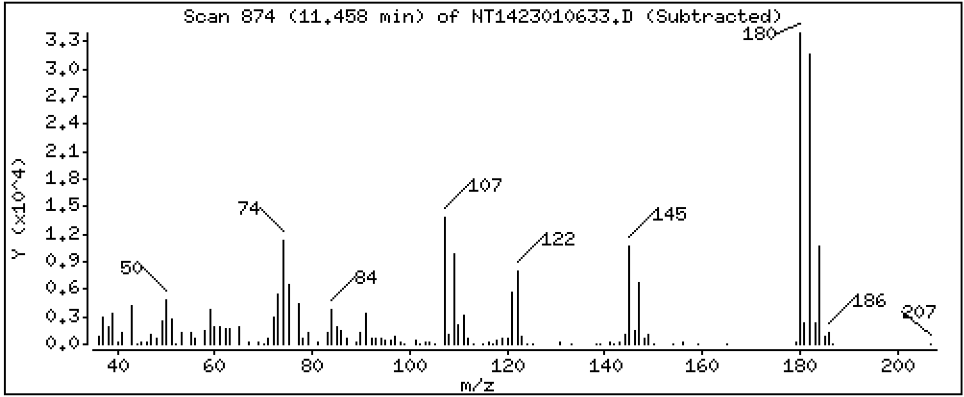
Sample Info: BKL0585-SRM1

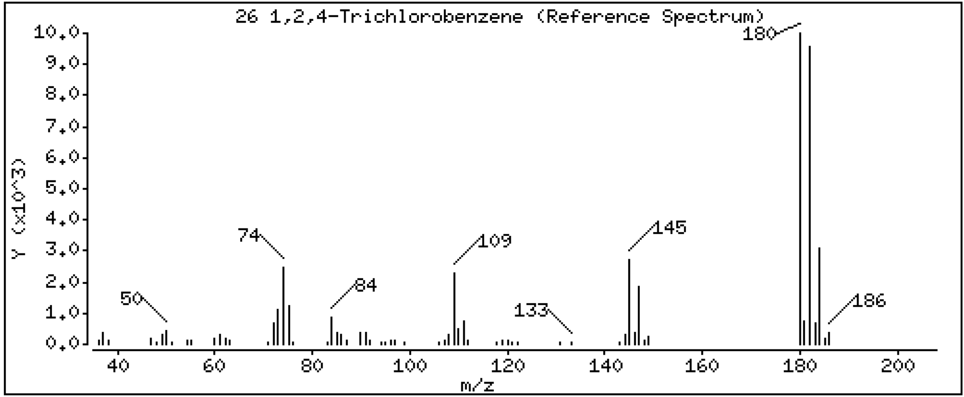
Operator: VTS

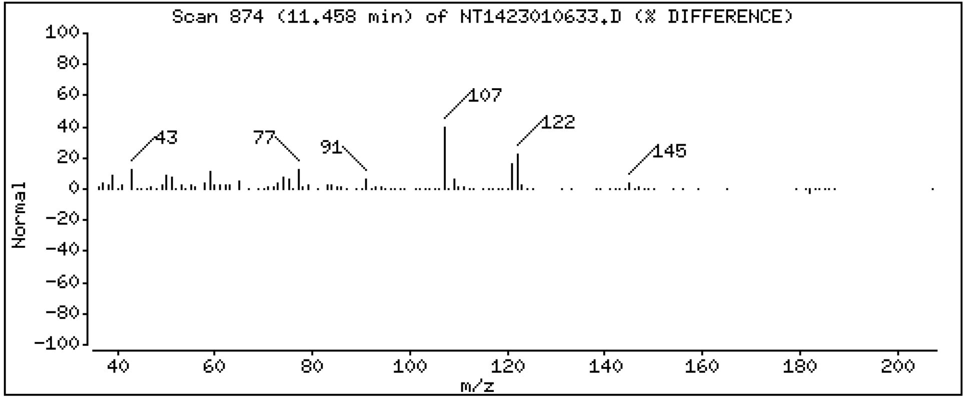
Column phase: ZB-5msi Column diameter: 0.25

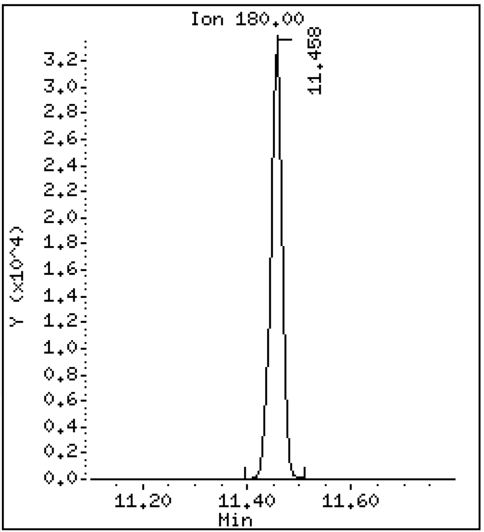
26 1,2,4-Trichlorobenzene Concentration: 1.841 ug/mL

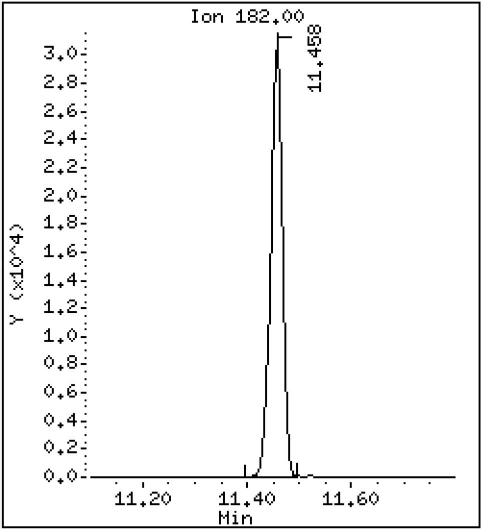

Scan 874 (11.458 min) of NT1423010633.D

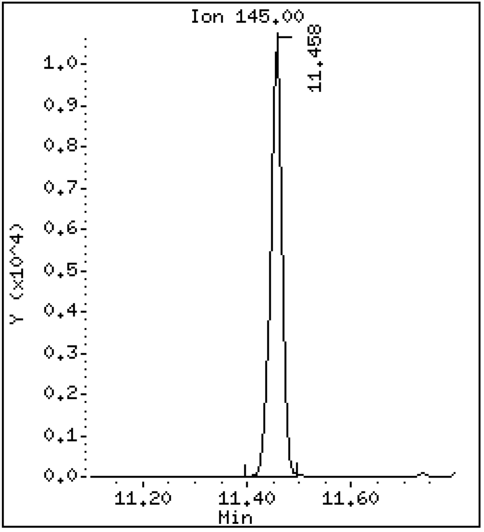

Scan 874 (11.458 min) of NT1423010633.D (Subtracted)


26 1,2,4-Trichlorobenzene (Reference Spectrum)


Scan 874 (11.458 min) of NT1423010633.D (% DIFFERENCE)


Ion 180.00


Ion 182.00


Ion 145.00

Data File: \\target\share\chem3\nt14.i\20230106.b\NT1423010633.D

Date : 07-JAN-2023 06:51

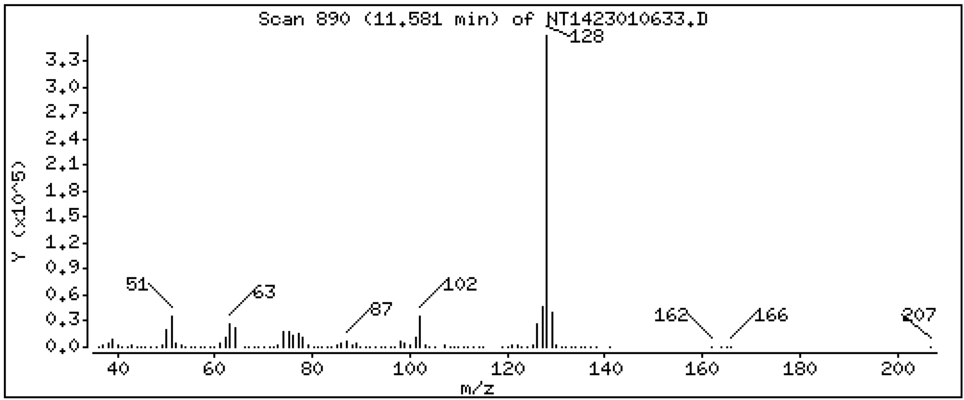
Client ID: Instrument: nt14.i

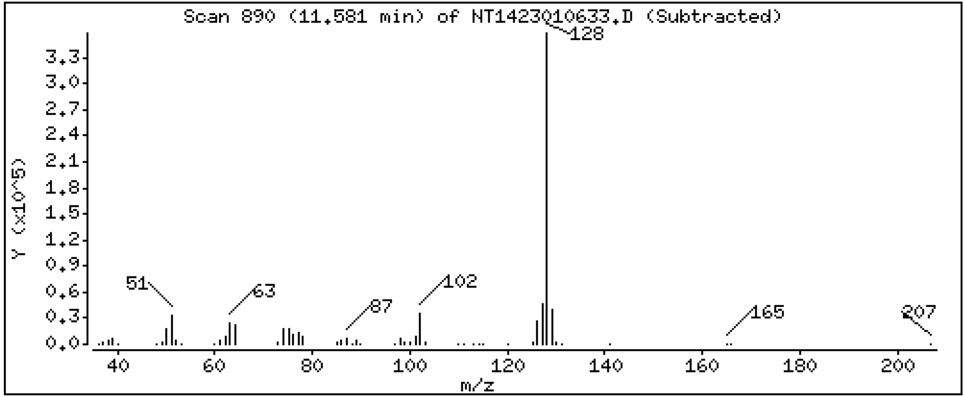
Sample Info: BKL0585-SRM1

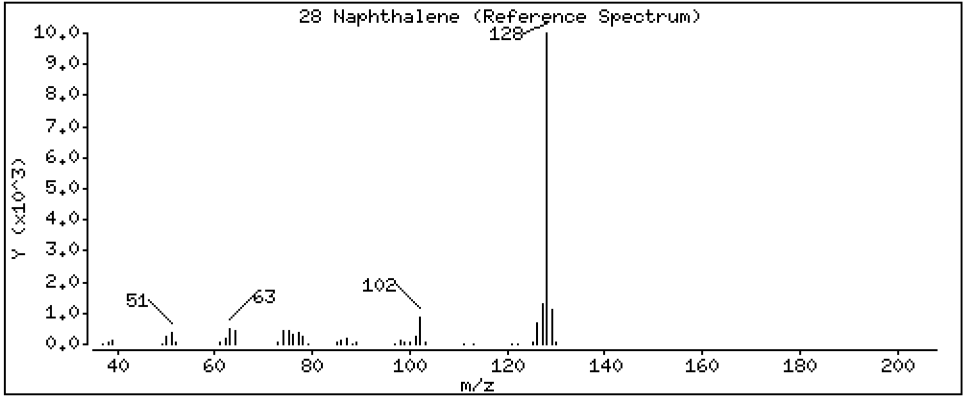
Operator: VTS

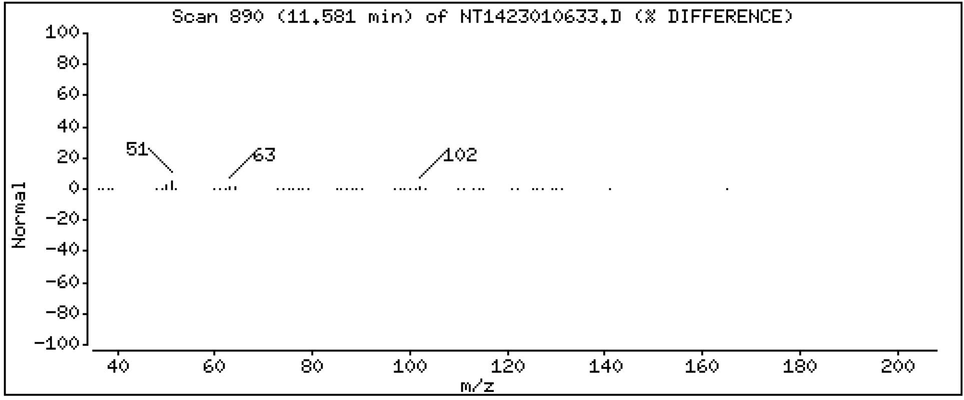
Column phase: ZB-5msi Column diameter: 0.25

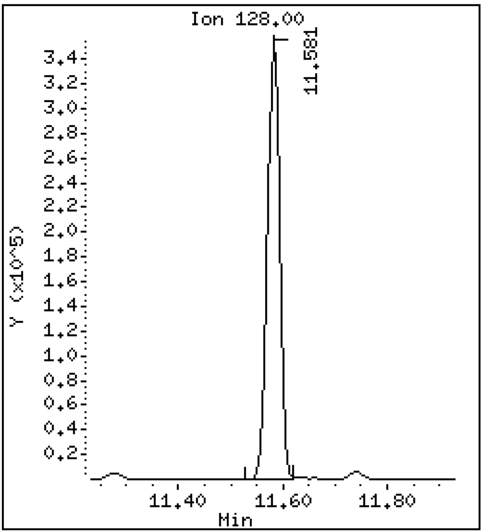
28 Naphthalene Concentration: 5.499 ug/mL

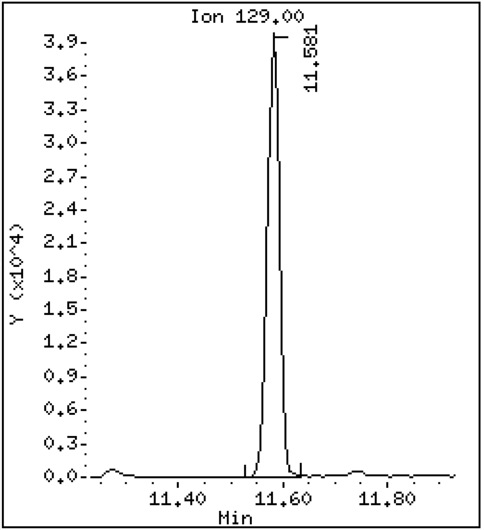


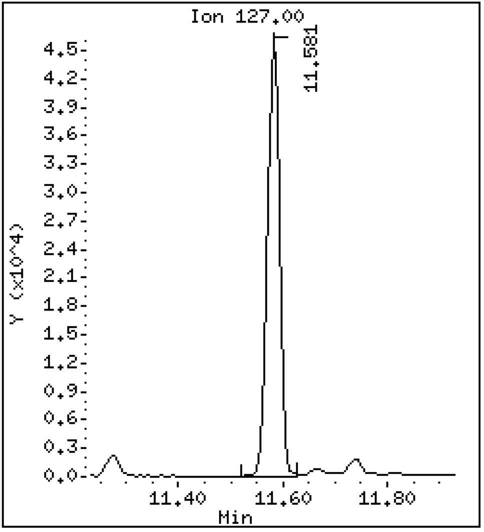












Data File: \\target\share\chem3\nt14.i\20230106.b\NT1423010633.D

Date : 07-JAN-2023 06:51

Client ID:

Instrument: nt14.i

Sample Info: BKL0585-SRM1

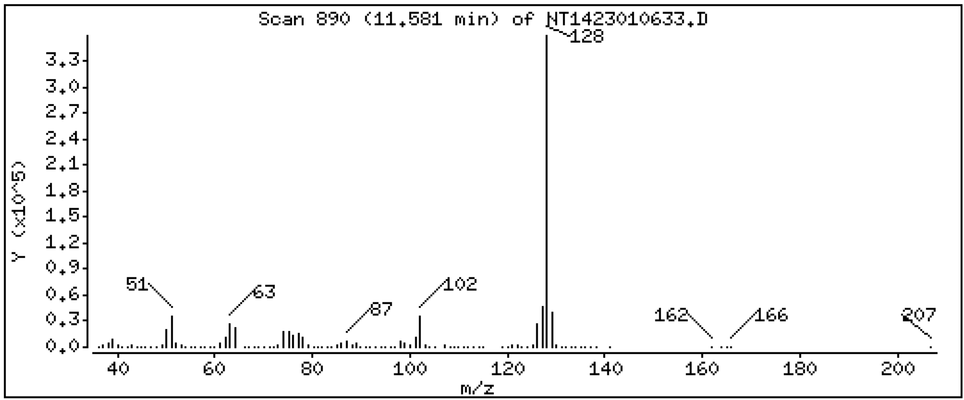
Operator: VTS

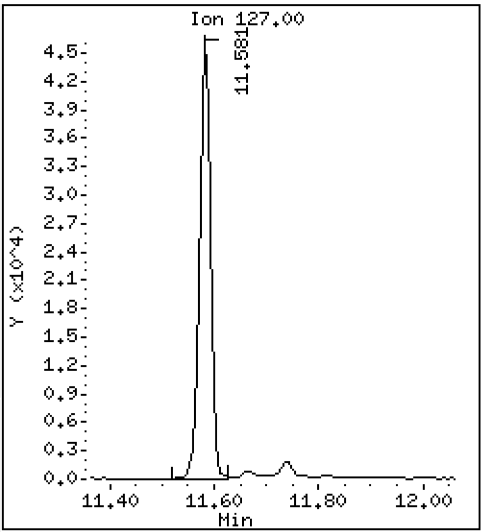
Column phase: ZB-5msi

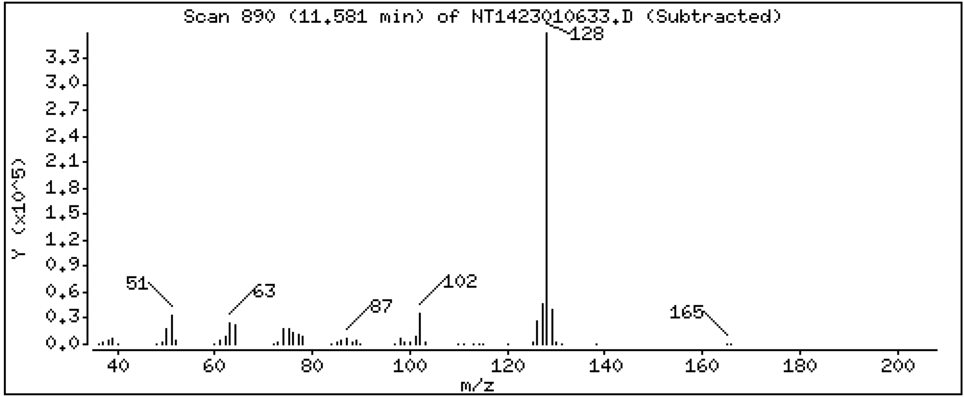
Column diameter: 0.25

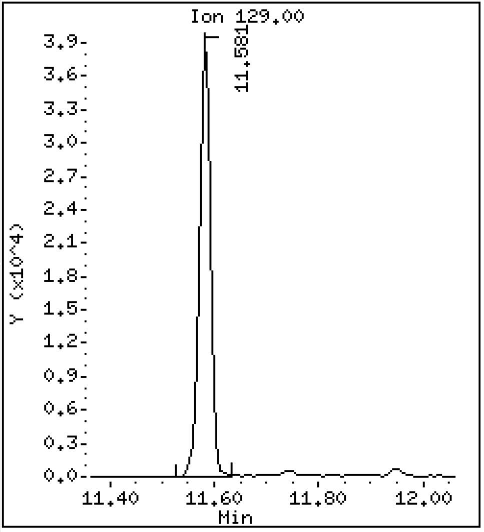
29 4-Chloroaniline

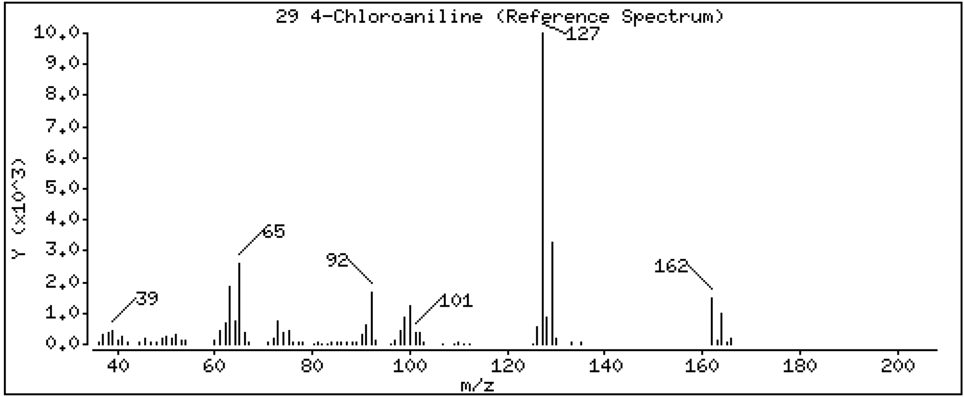
Concentration: 1.720 ug/mL

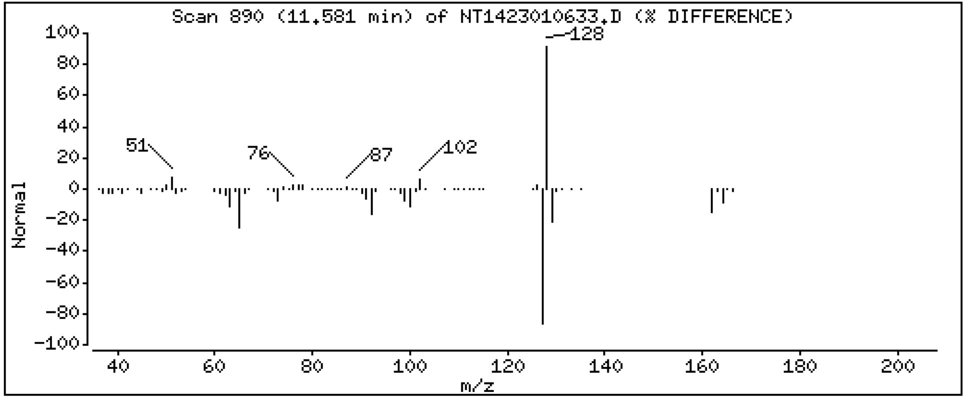

Scan 890 (11.581 min) of NT1423010633.D


Ion 127.00


Scan 890 (11.581 min) of NT1423010633.D (Subtracted)


Ion 129.00


29 4-Chloroaniline (Reference Spectrum)


Scan 890 (11.581 min) of NT1423010633.D (% DIFFERENCE)

Data File: \\target\share\chem3\nt14.i\20230106.b\NT1423010633.D

Date : 07-JAN-2023 06:51

Client ID:

Instrument: nt14.i

Sample Info: BKL0585-SRM1

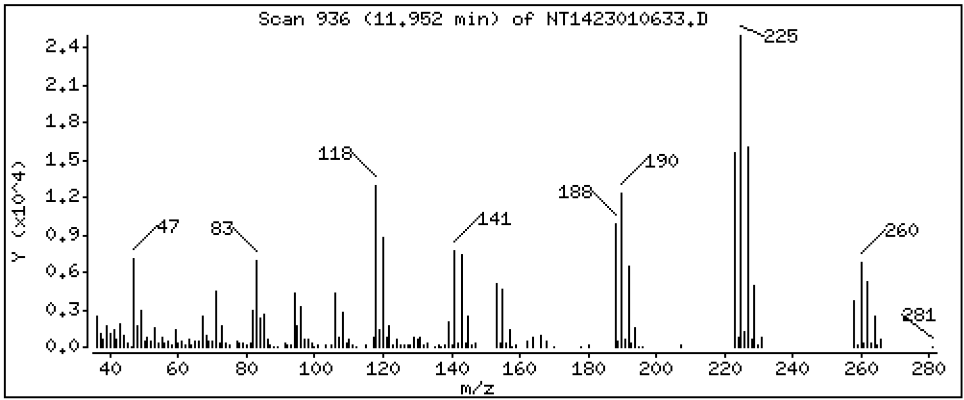
Operator: VTS

Column phase: ZB-5msi

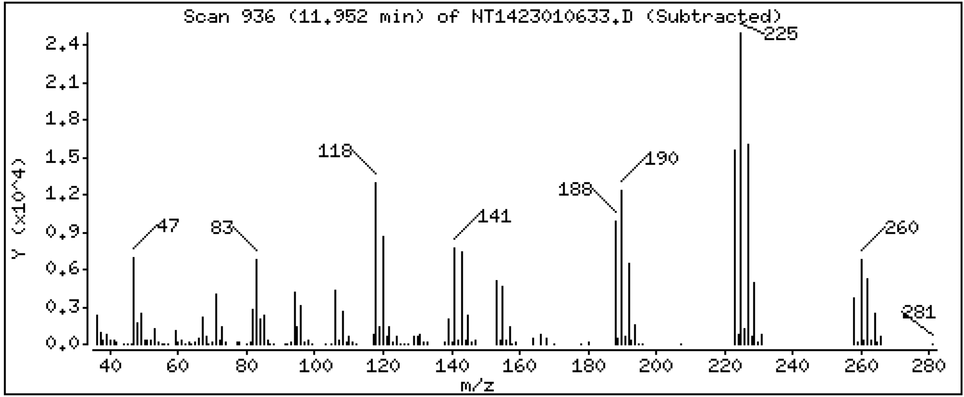
Column diameter: 0.25

30 Hexachlorobutadiene

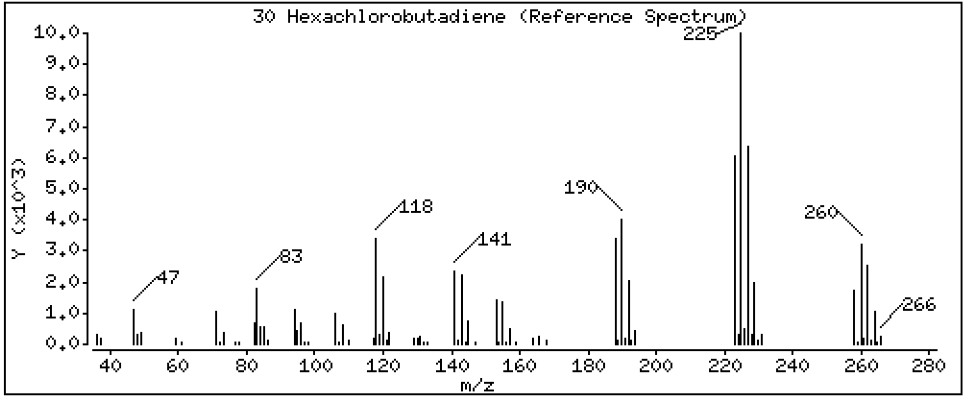
Concentration: 2.360 ug/mL



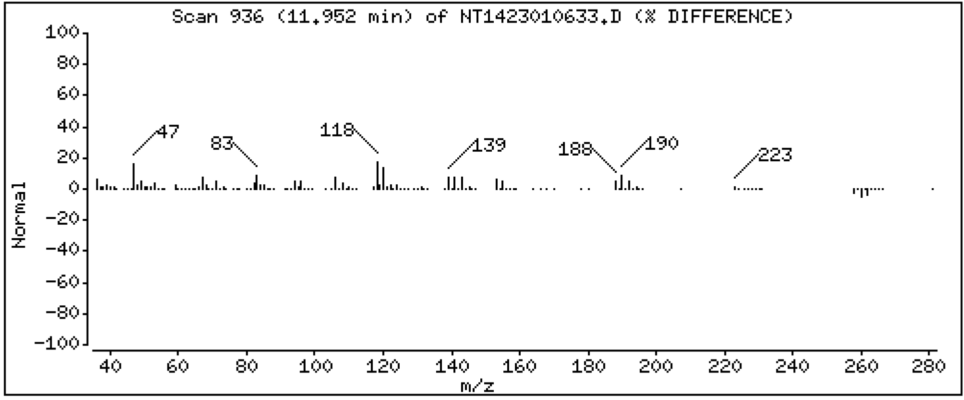
Scan 936 (11.952 min) of NT1423010633.D



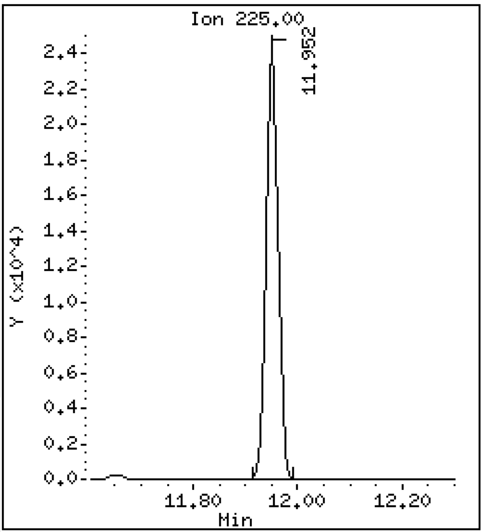
Scan 936 (11.952 min) of NT1423010633.D (Subtracted)



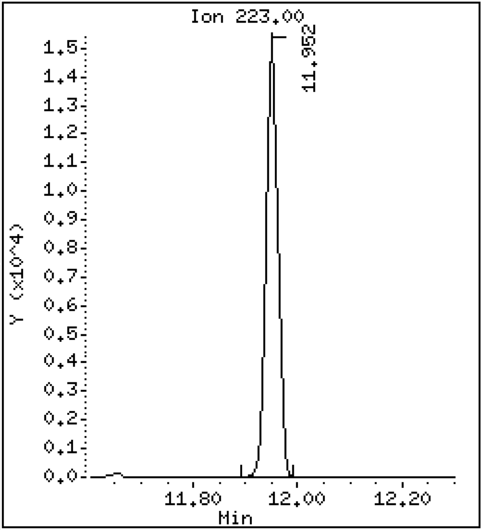
30 Hexachlorobutadiene (Reference Spectrum)



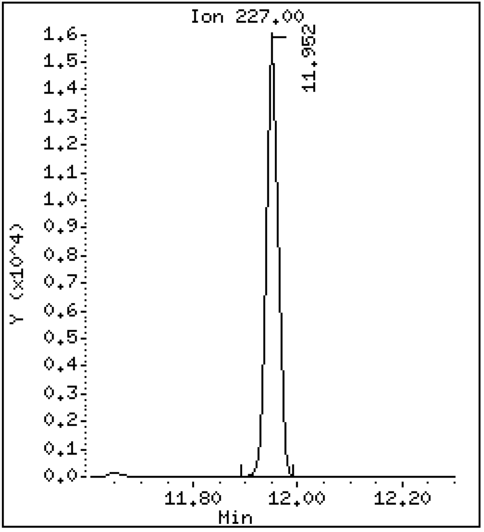
Scan 936 (11.952 min) of NT1423010633.D (% DIFFERENCE)



Ion 225.00



Ion 223.00



Ion 227.00

Data File: \\target\share\chem3\nt14.i\20230106.b\NT1423010633.D

Date : 07-JAN-2023 06:51

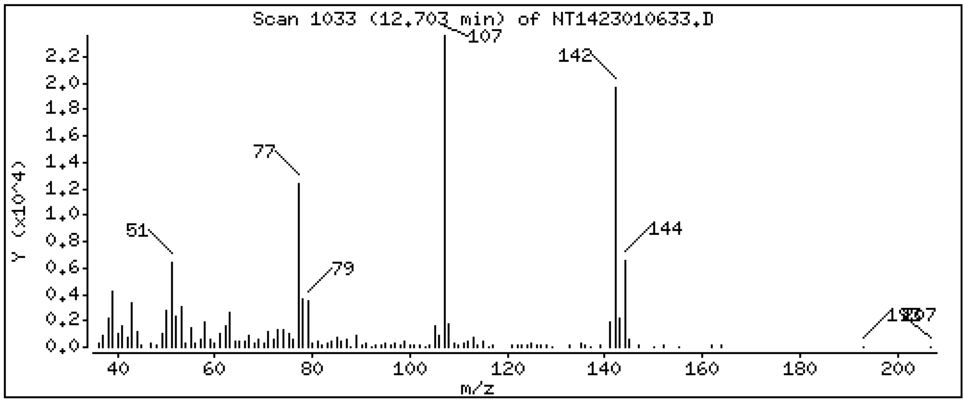
Client ID: Instrument: nt14.i

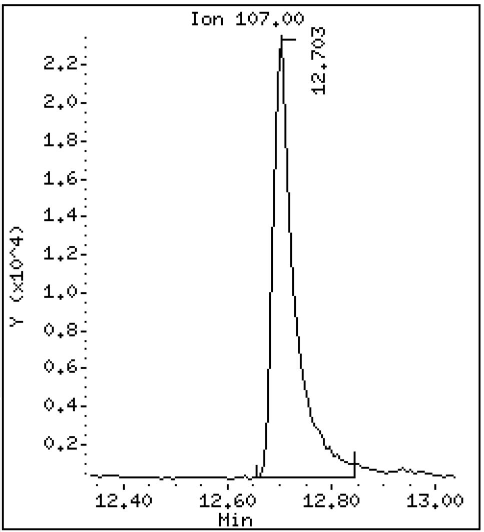
Sample Info: BKL0585-SRM1

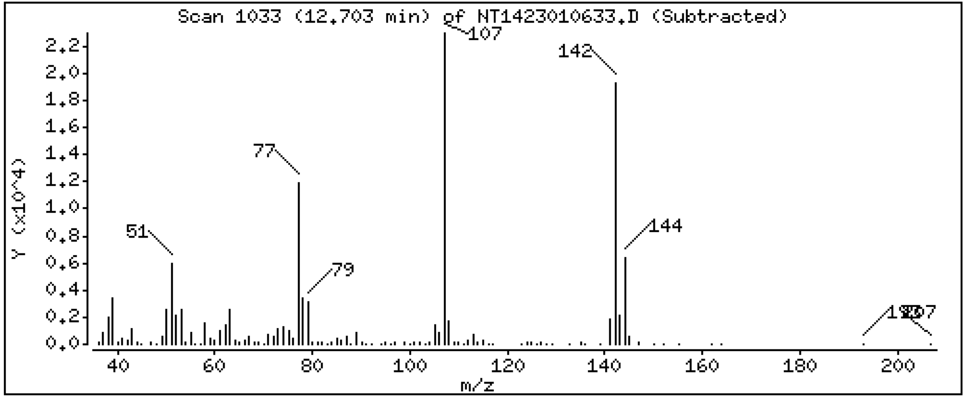
Operator: VTS

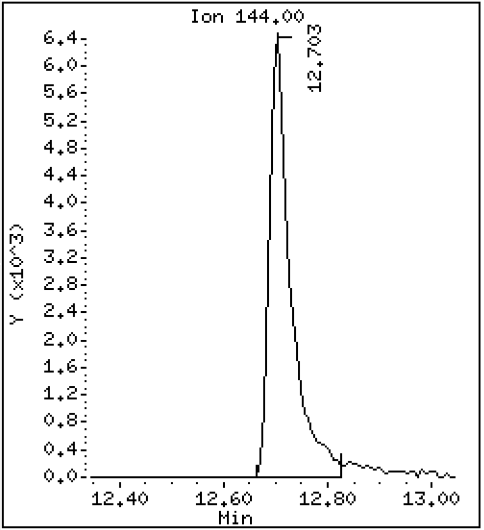
Column phase: ZB-5msi Column diameter: 0.25

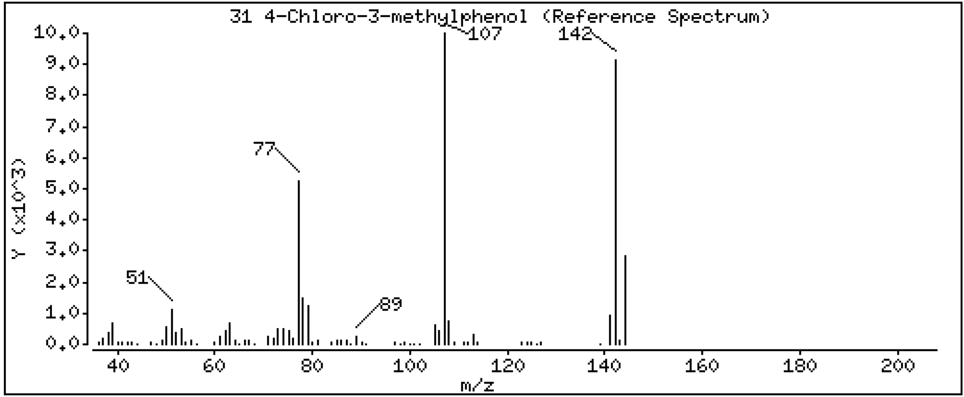
31 4-Chloro-3-methylphenol Concentration: 2.315 ug/mL

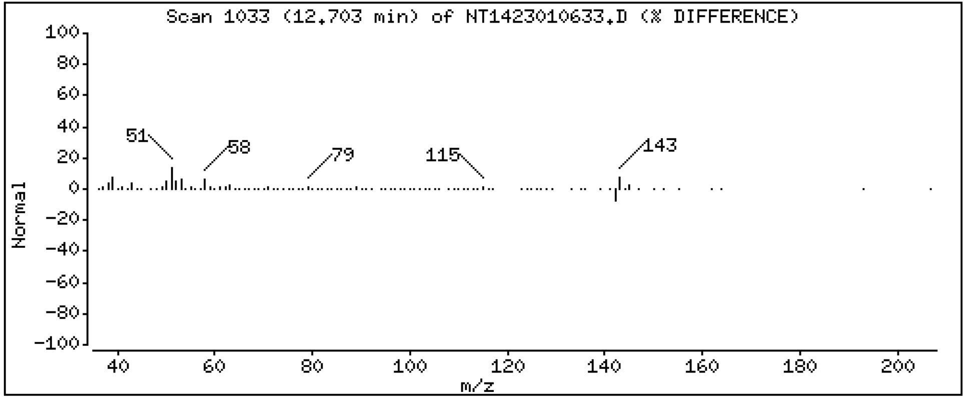


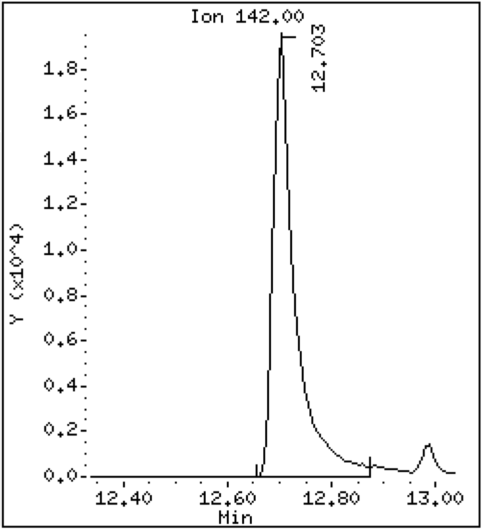












Data File: \\target\share\chem3\nt14.i\20230106.b\NT1423010633.D

Date : 07-JAN-2023 06:51

Client ID:

Instrument: nt14.i

Sample Info: BKL0585-SRM1

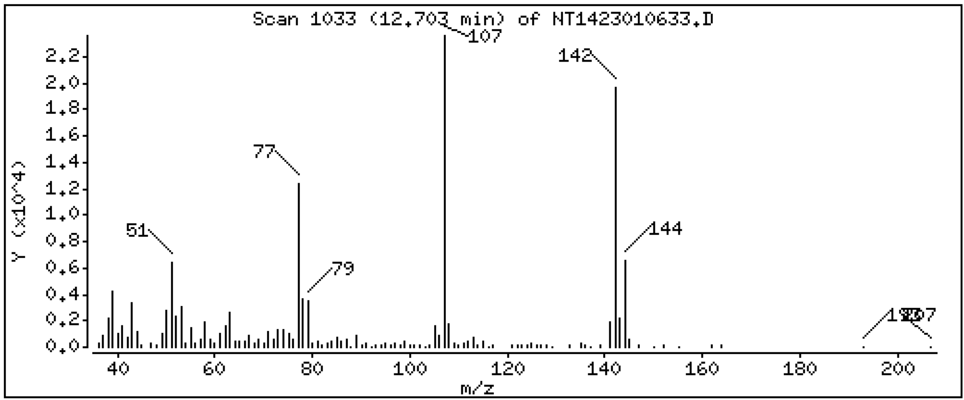
Operator: VTS

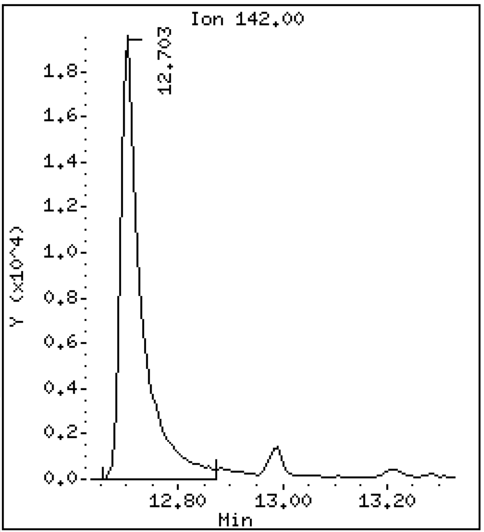
Column phase: ZB-5msi

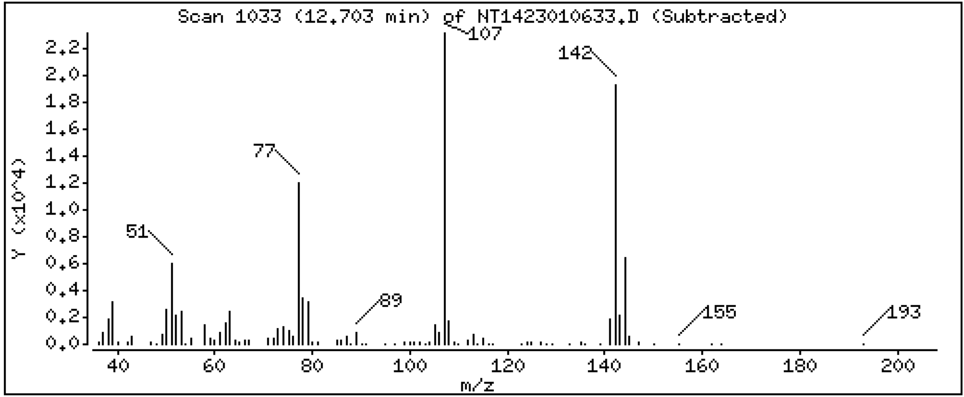
Column diameter: 0.25

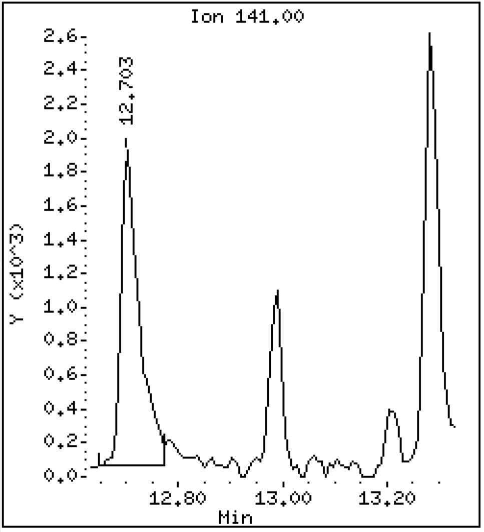
32 2-Methylnaphthalene

Concentration: 0.7652 ug/mL


Scan 1033 (12.703 min) of NT1423010633.D


Ion 142.00


Scan 1033 (12.703 min) of NT1423010633.D (Subtracted)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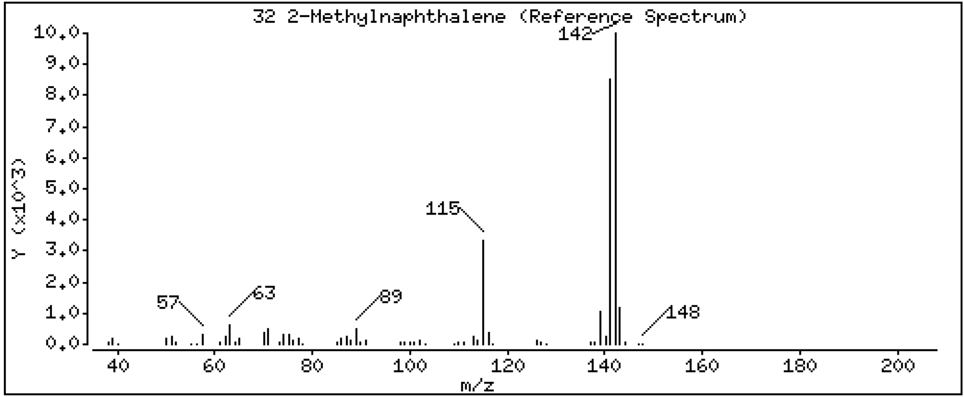
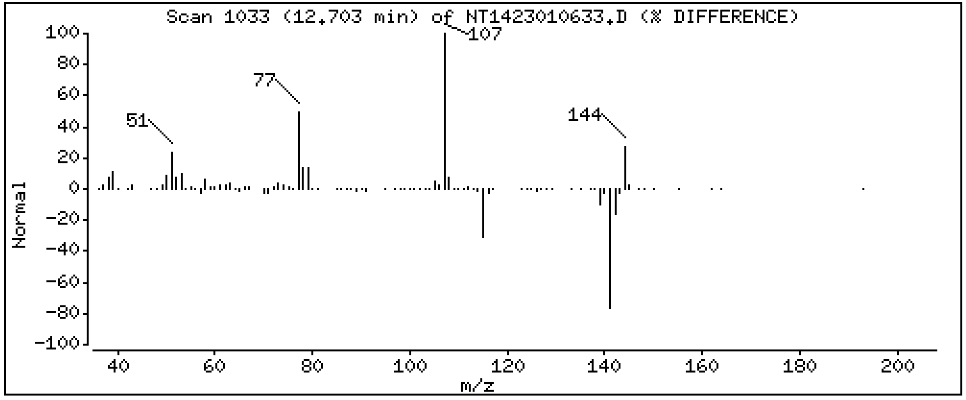

32 2-Methylnaphthalene (Reference Spectrum)


Scan 1033 (12.703 min) of NT1423010633.D (% DIFFERENCE)

Data File: \\target\share\chem3\nt14.i\20230106.b\NT1423010633.D

Date : 07-JAN-2023 06:51

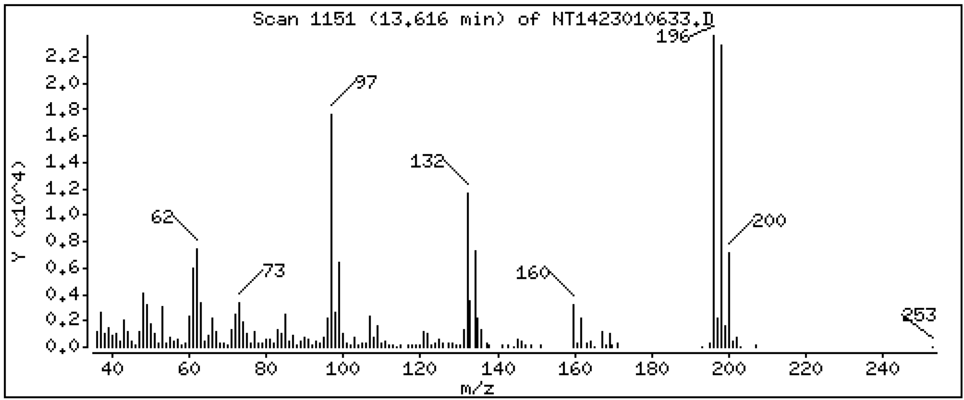
Client ID: Instrument: nt14.i

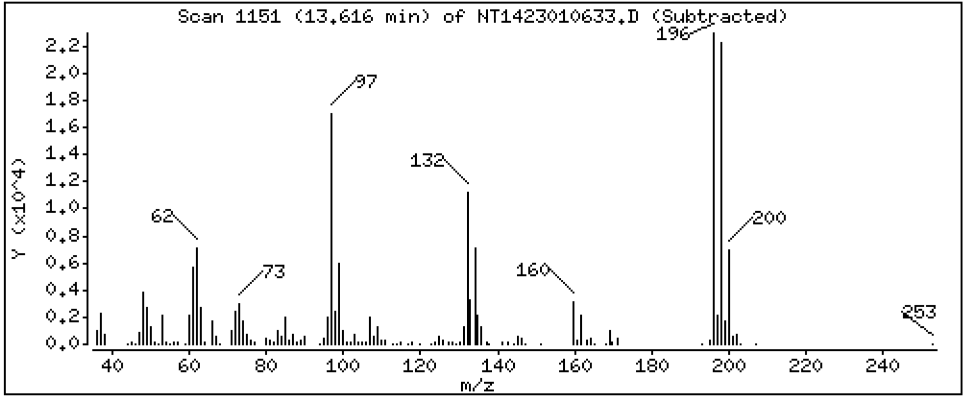
Sample Info: BKL0585-SRM1

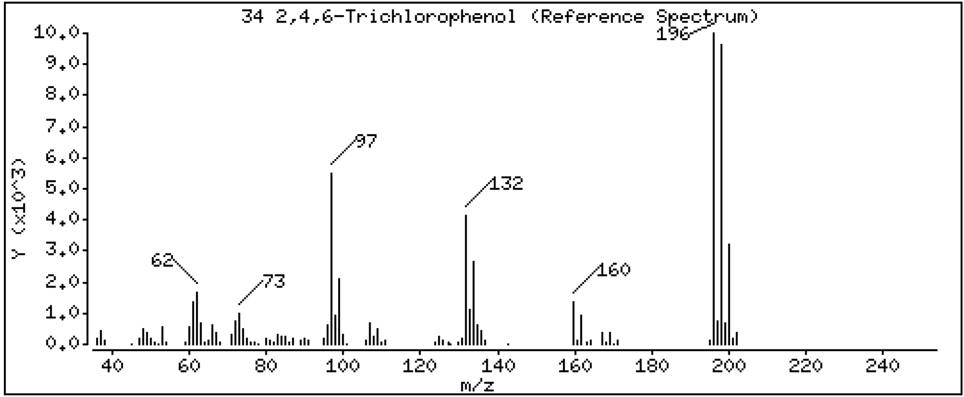
Operator: VTS

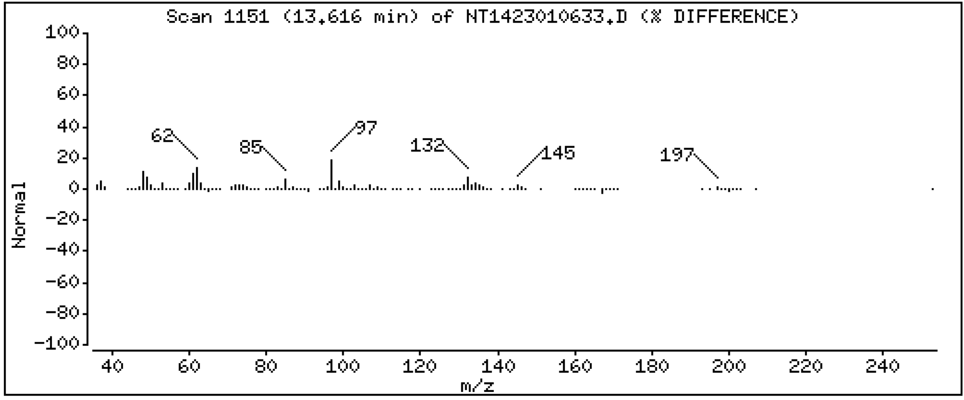
Column phase: ZB-5msi Column diameter: 0.25

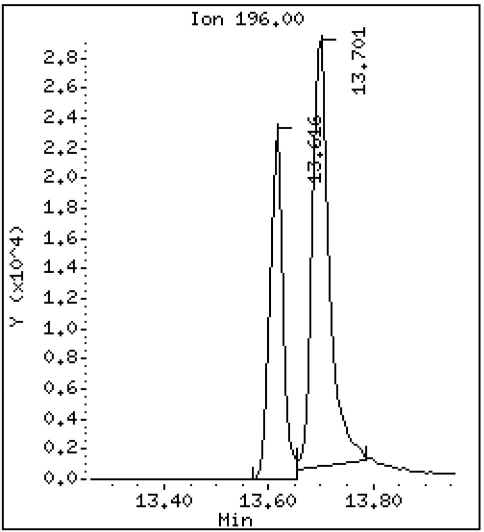
34 2,4,6-Trichlorophenol Concentration: 2.320 ug/mL

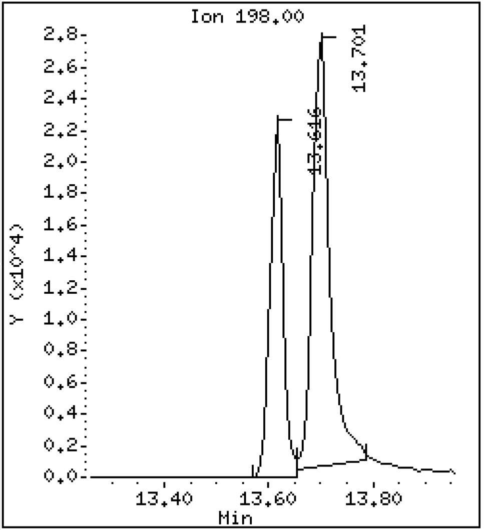

Scan 1151 (13.616 min) of NT1423010633.D

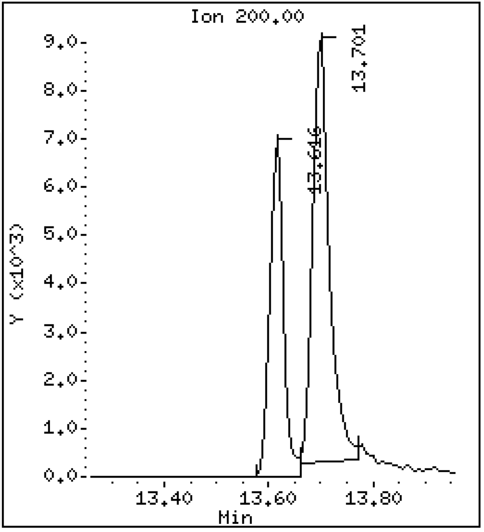

Scan 1151 (13.616 min) of NT1423010633.D (Subtracted)


34 2,4,6-Trichlorophenol (Reference Spectrum)


Scan 1151 (13.616 min) of NT1423010633.D (% DIFFERENCE)


Ion 196.00


Ion 198.00


Ion 200.00

Data File: \\target\share\chem3\nt14.i\20230106.b\NT1423010633.D

Date : 07-JAN-2023 06:51

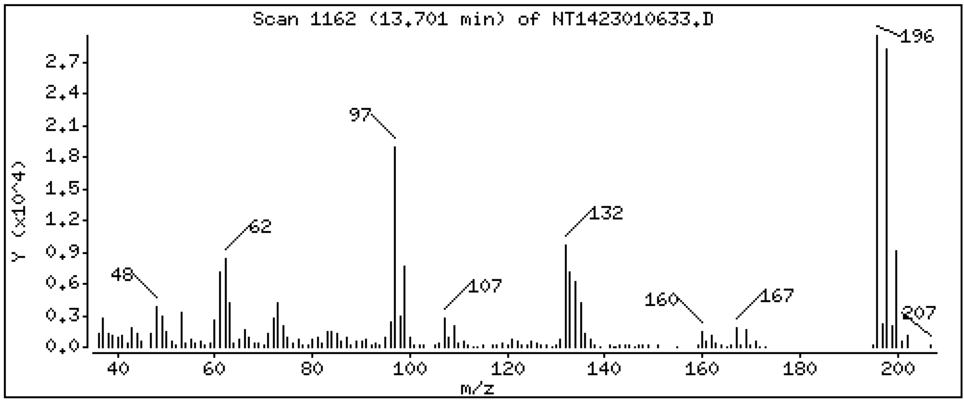
Client ID: Instrument: nt14.i

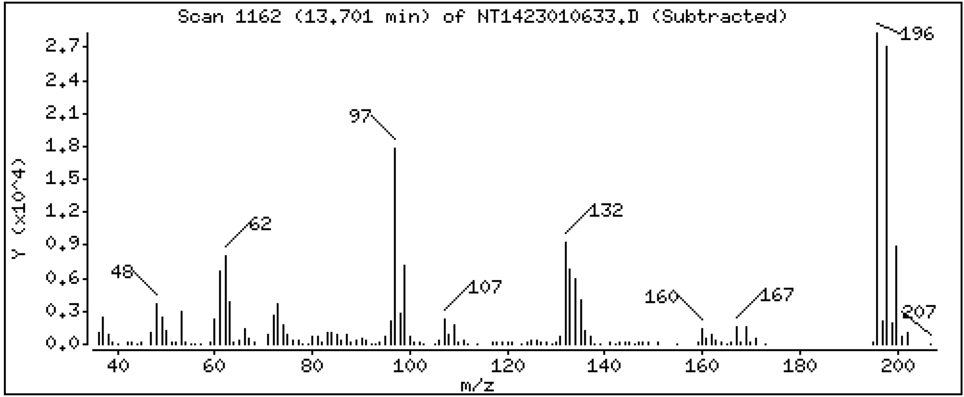
Sample Info: BKL0585-SRM1

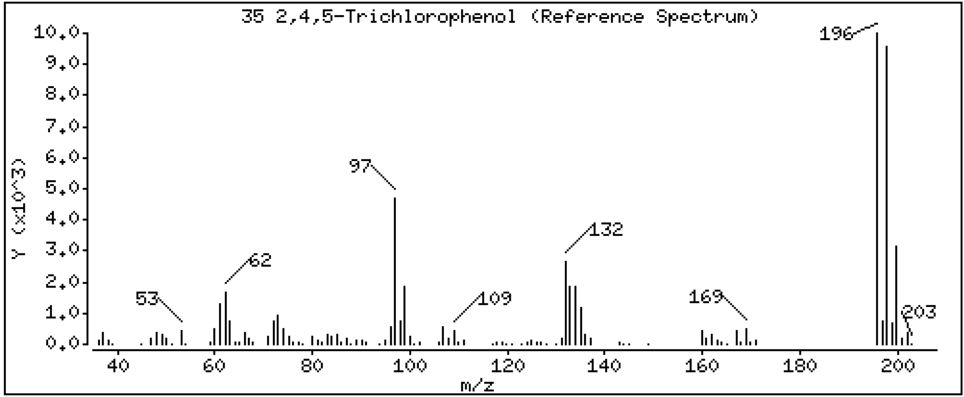
Operator: VTS

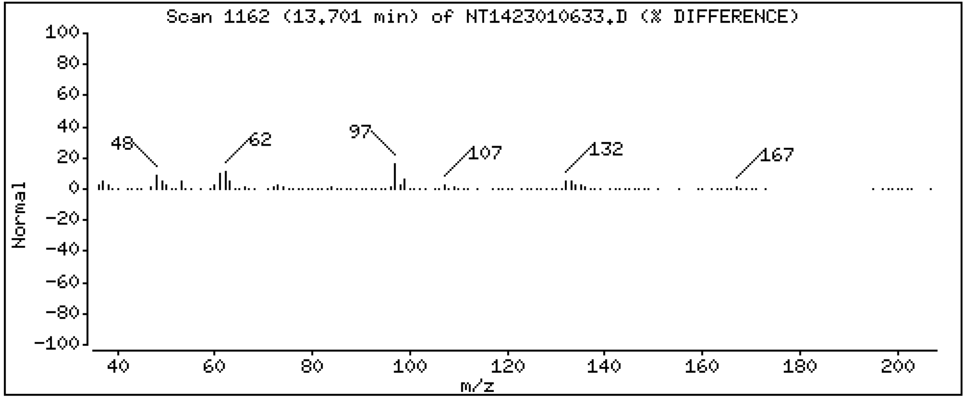
Column phase: ZB-5msi Column diameter: 0.25

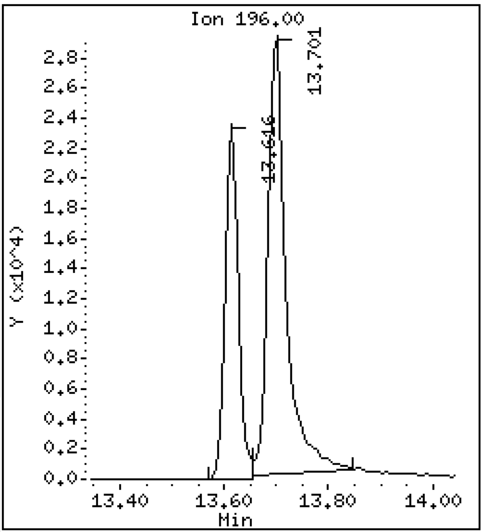
35 2,4,5-Trichlorophenol Concentration: 3.585 ug/mL

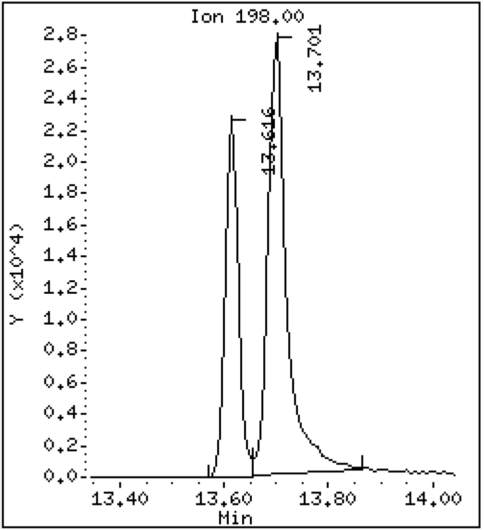


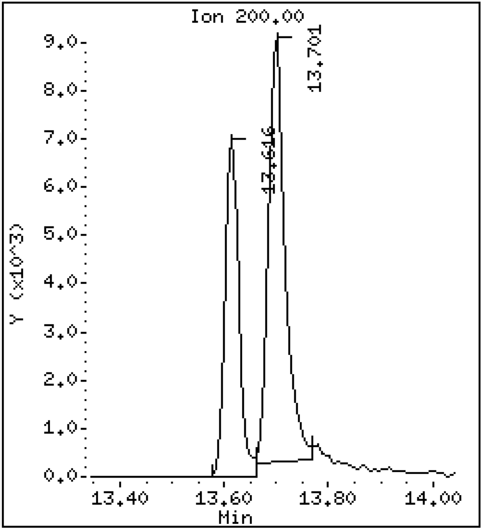












Data File: \\target\share\chem3\nt14.i\20230106.b\NT1423010633.D

Date : 07-JAN-2023 06:51

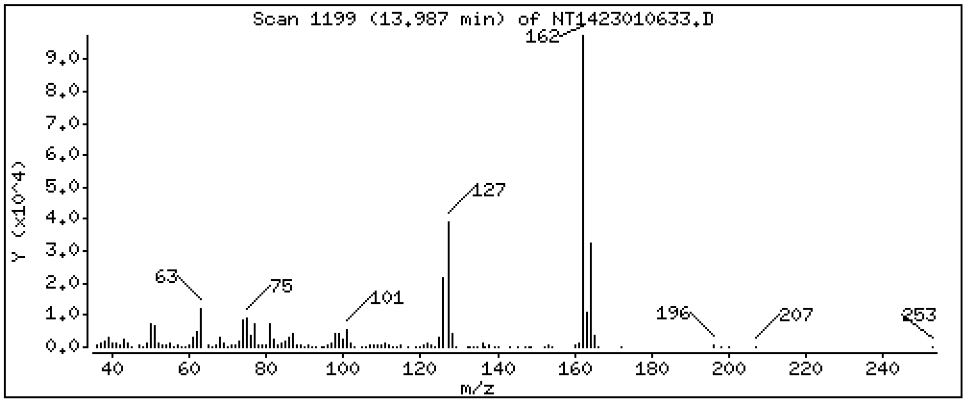
Client ID: Instrument: nt14.i

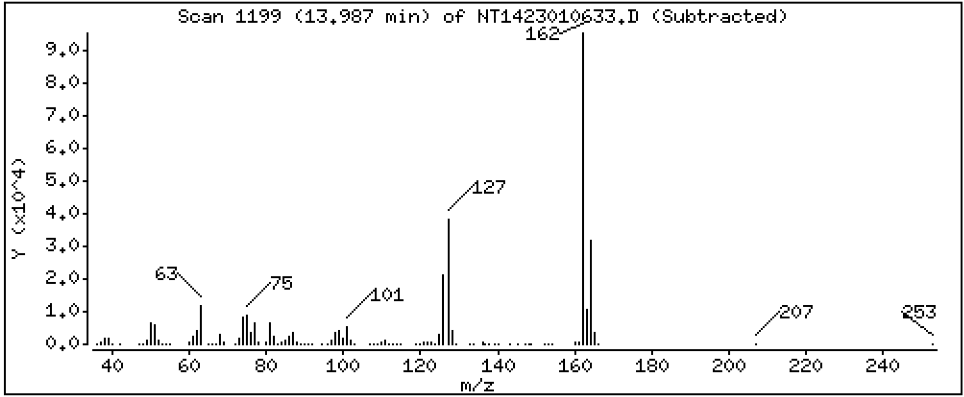
Sample Info: BKL0585-SRM1

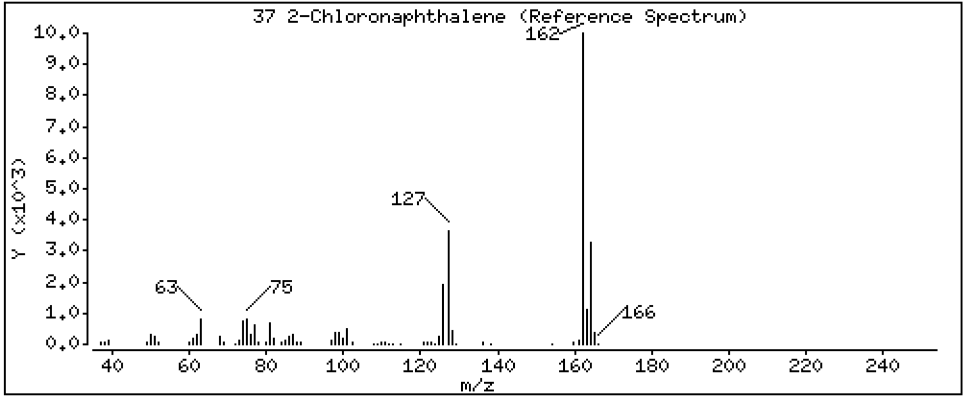
Operator: VTS

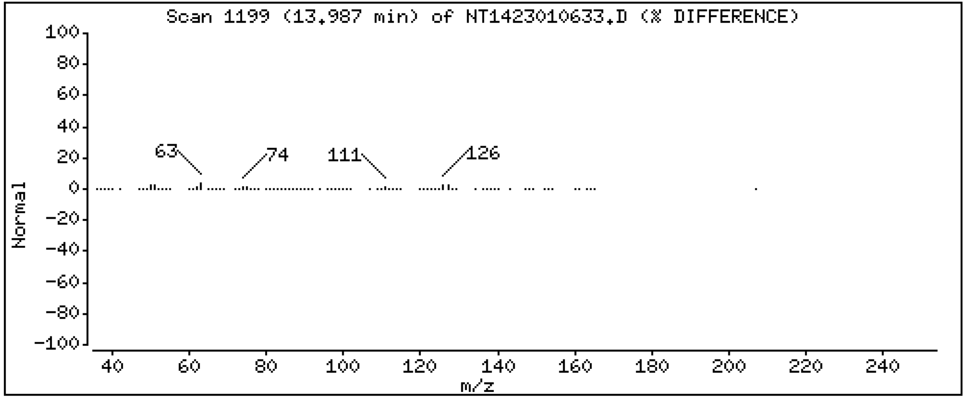
Column phase: ZB-5msi Column diameter: 0.25

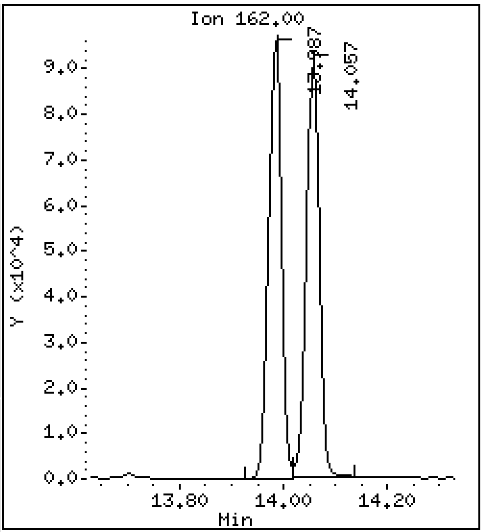
37 2-Chloronaphthalene Concentration: 2.767 ug/mL

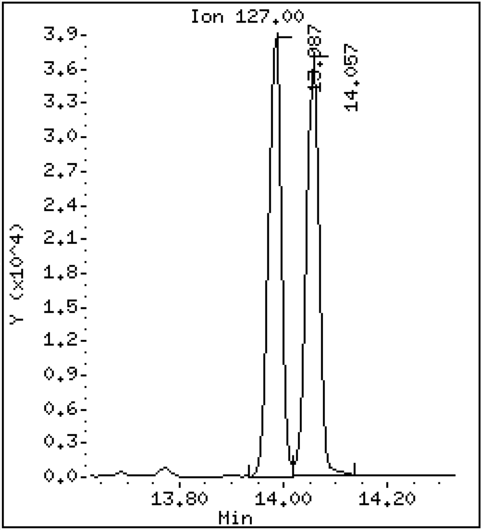


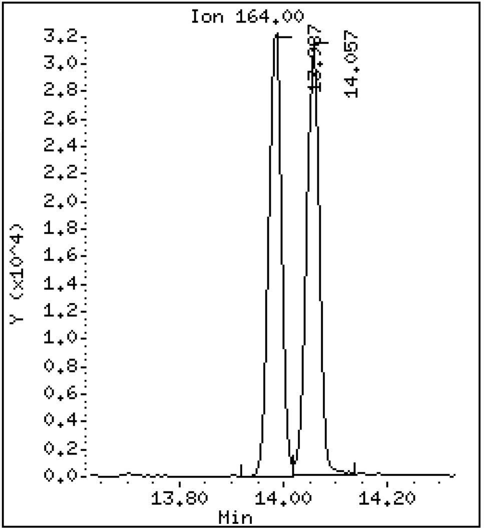












Data File: \\target\share\chem3\nt14.i\20230106.b\NT1423010633.D

Date : 07-JAN-2023 06:51

Client ID:

Instrument: nt14.i

Sample Info: BKL0585-SRM1

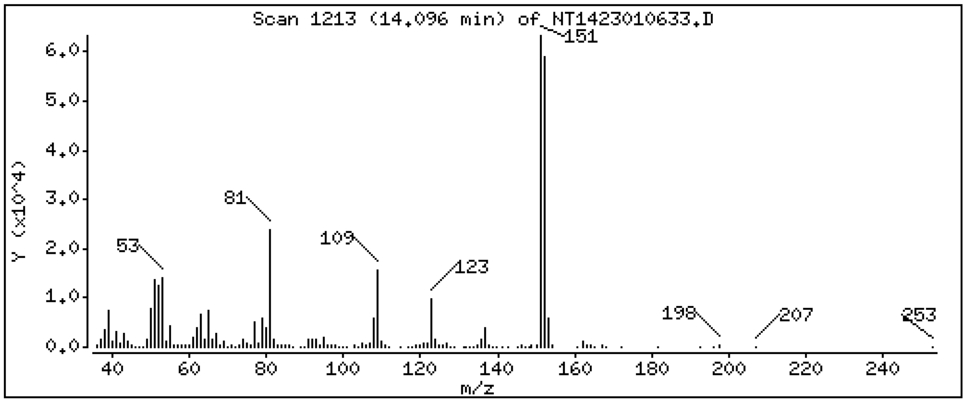
Operator: VTS

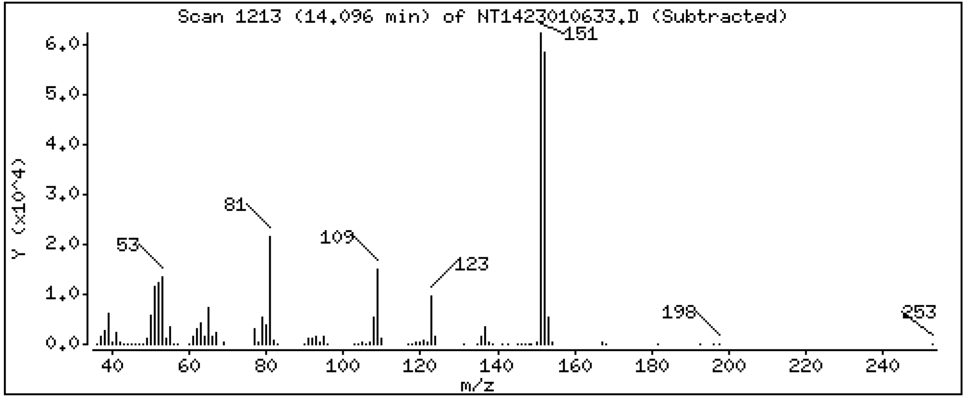
Column phase: ZB-5msi

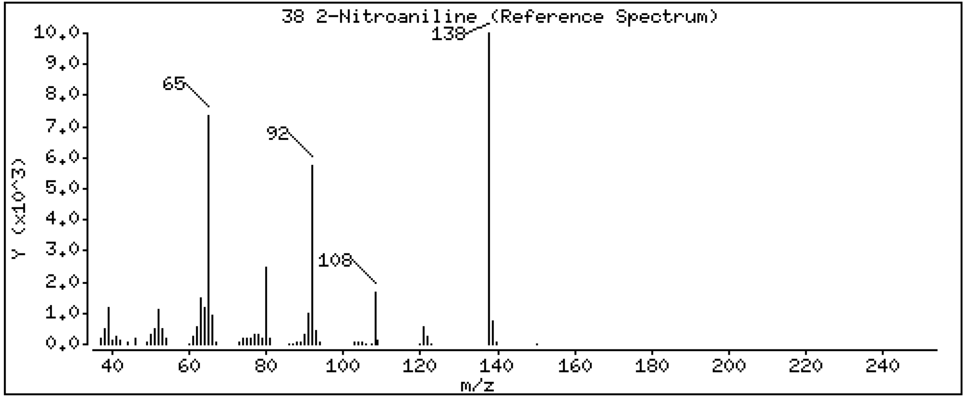
Column diameter: 0.25

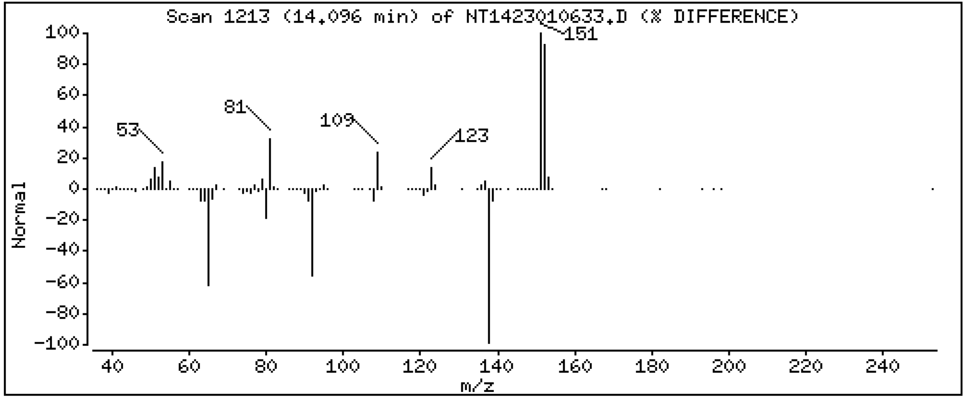
38 2-Nitroaniline

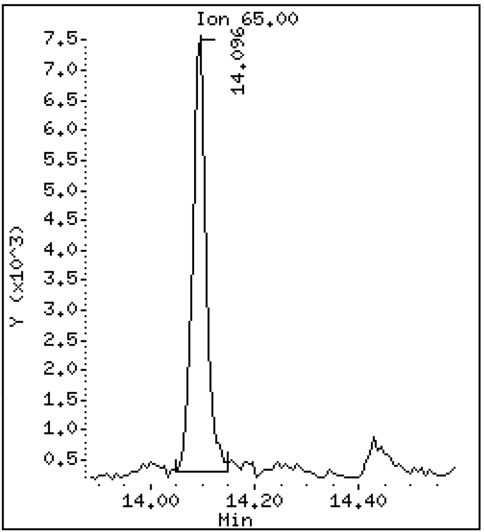
Concentration: 0.8764 ug/mL

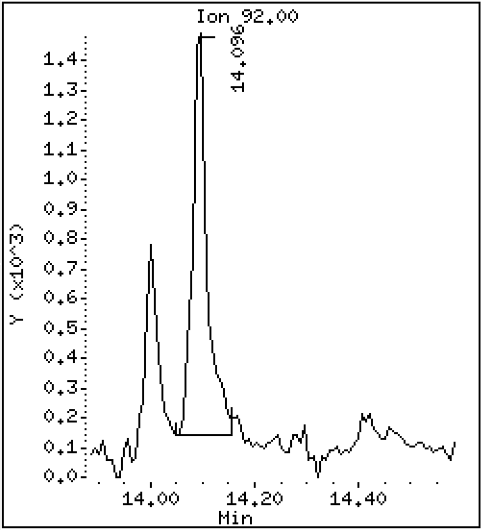


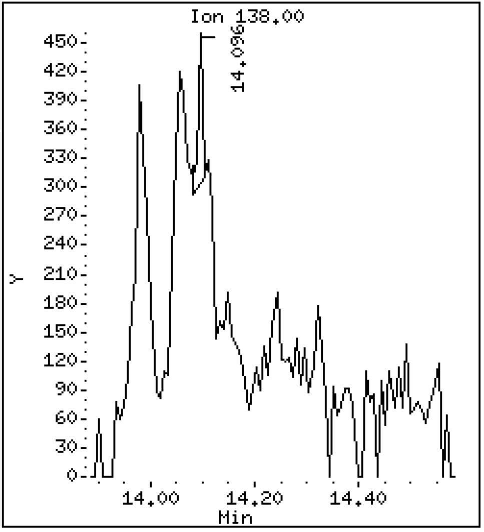












Data File: \\target\share\chem3\nt14.i\20230106.b\NT1423010633.D

Date : 07-JAN-2023 06:51

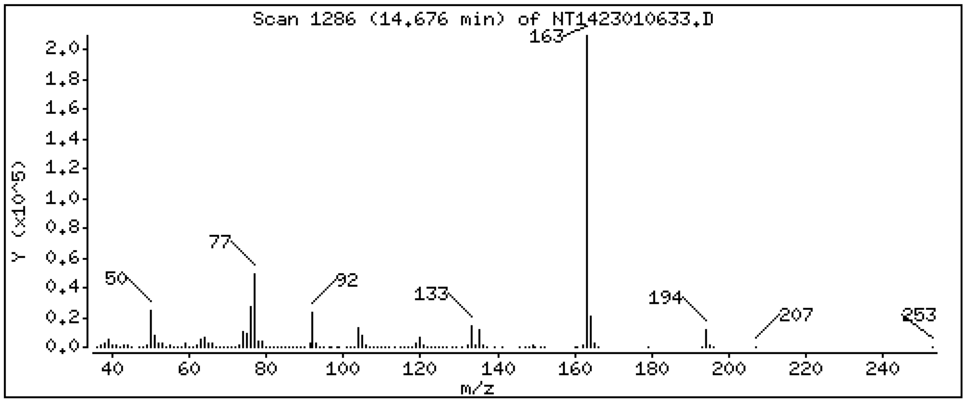
Client ID: Instrument: nt14.i

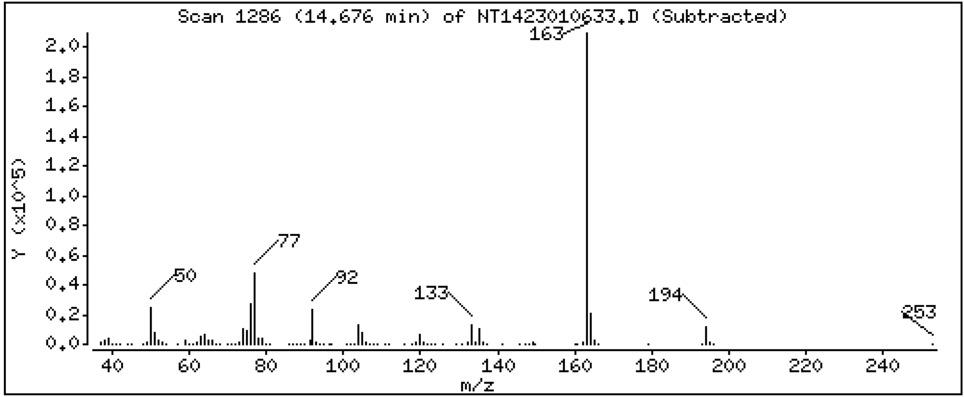
Sample Info: BKL0585-SRM1

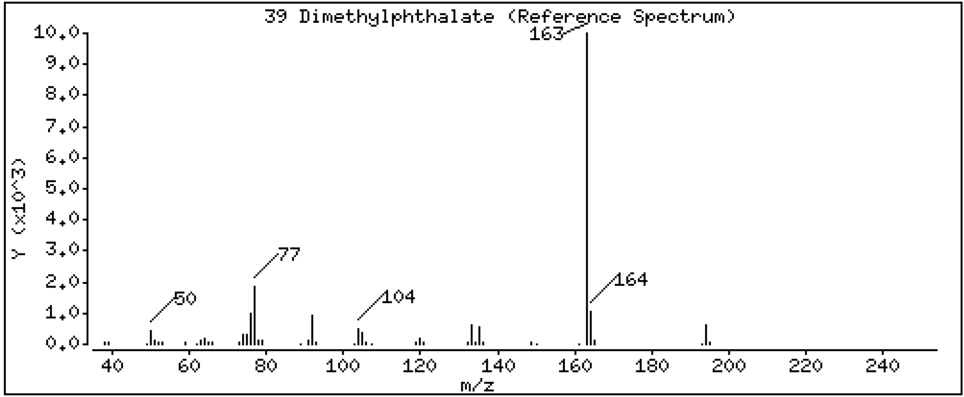
Operator: VTS

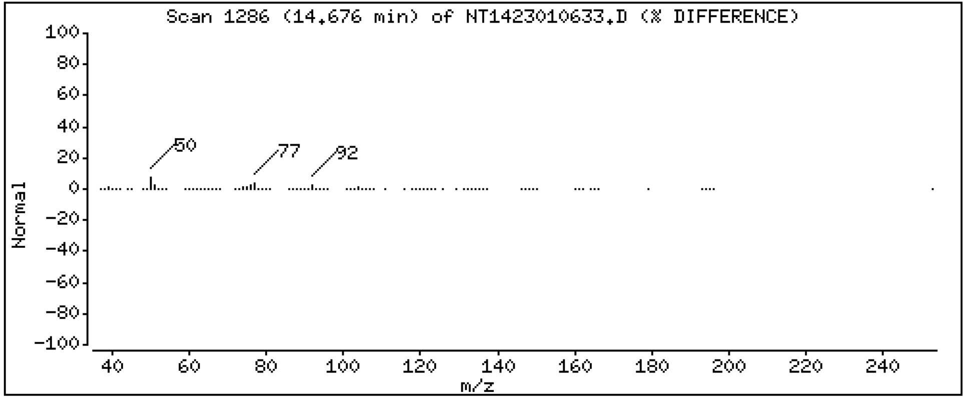
Column phase: ZB-5msi Column diameter: 0.25

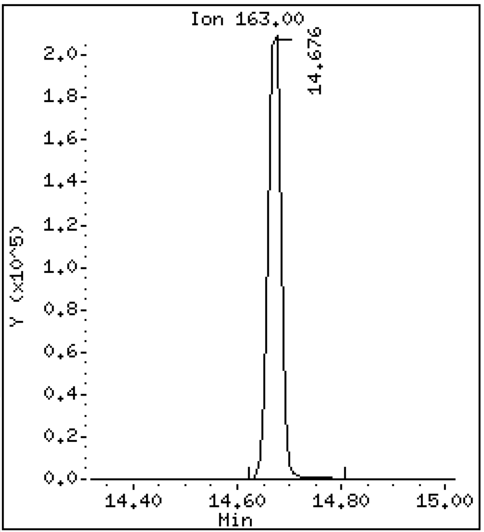
39 Dimethylphthalate Concentration: 6.050 ug/mL

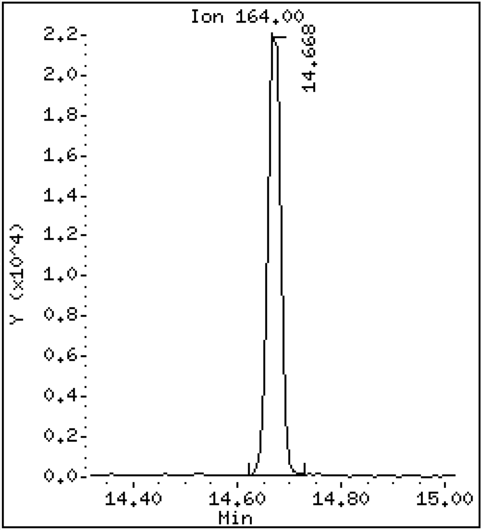

Scan 1286 (14.676 min) of NT1423010633.D

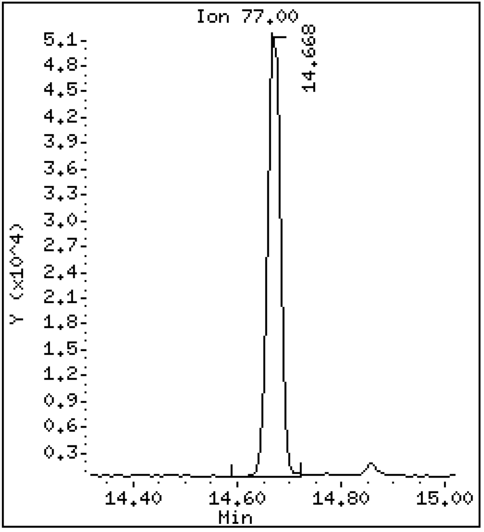

Scan 1286 (14.676 min) of NT1423010633.D (Subtracted)


39 Dimethylphthalate (Reference Spectrum)


Scan 1286 (14.676 min) of NT1423010633.D (% DIFFERENCE)


Ion 163.00


Ion 164.00


Ion 77.00

Date : 07-JAN-2023 06:51

Client ID: Instrument: nt14.i

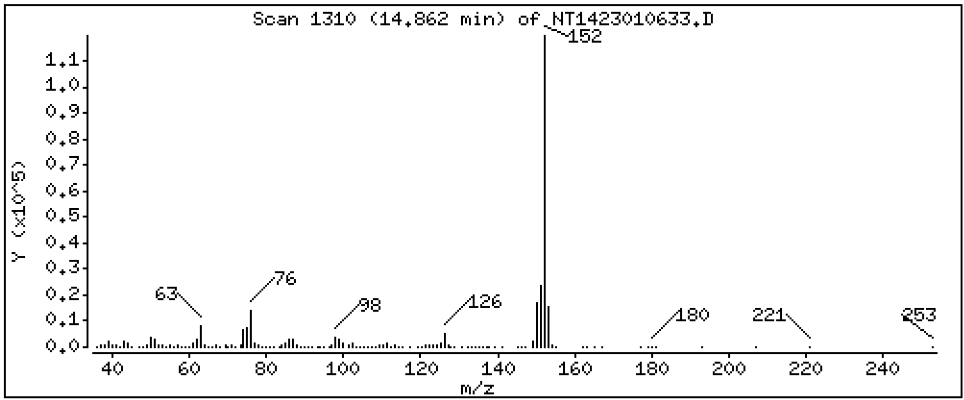
Sample Info: BKL0585-SRM1

Operator: VTS

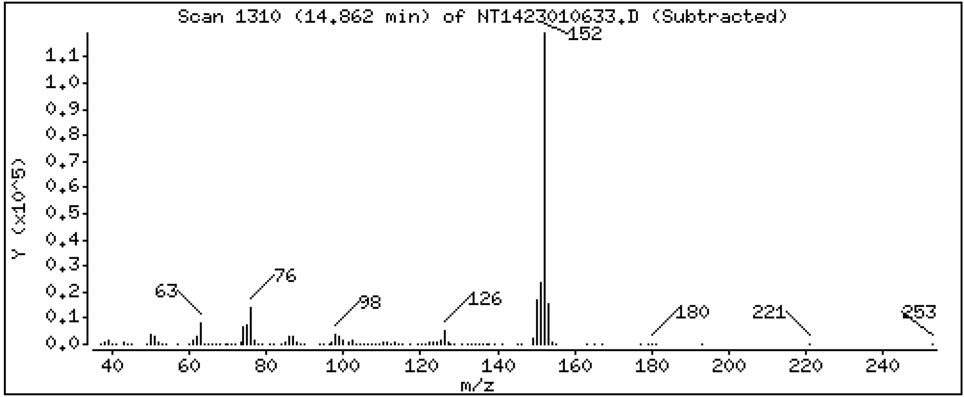
Column phase: ZB-5msi Column diameter: 0.25

40 Acenaphthylene Concentration: 2.290 ug/mL

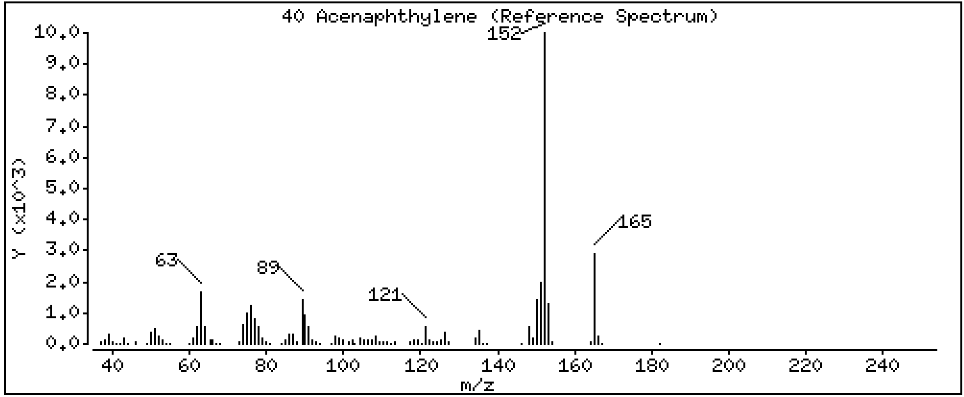
Scan 1310 (14.862 min) of NT1423010633.D



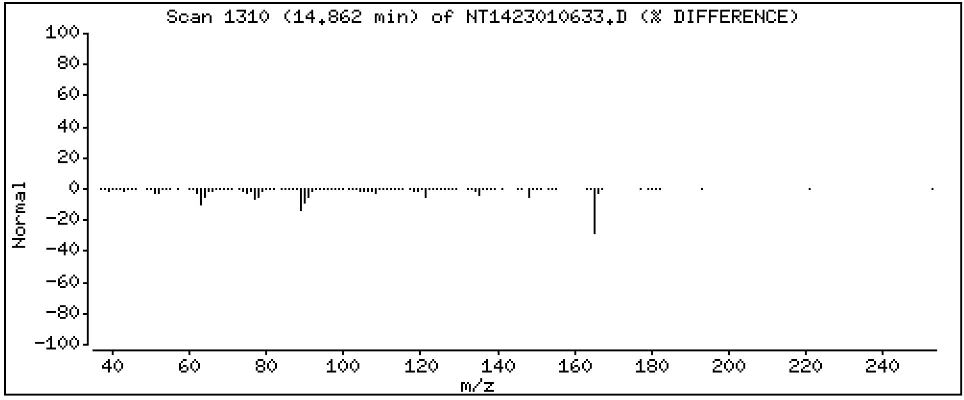
Scan 1310 (14.862 min) of NT1423010633.D (Subtracted)



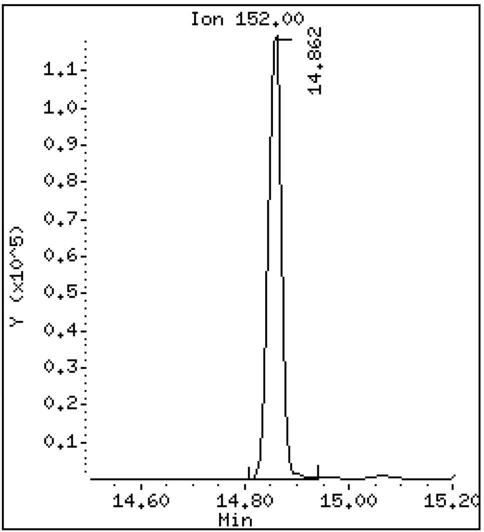
40 Acenaphthylene (Reference Spectrum)



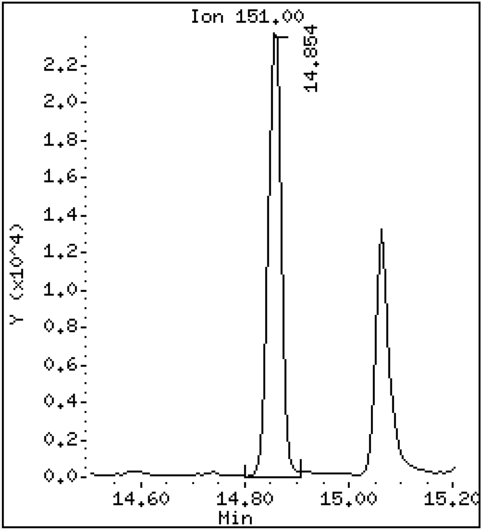
Scan 1310 (14.862 min) of NT1423010633.D (% DIFFERENCE)



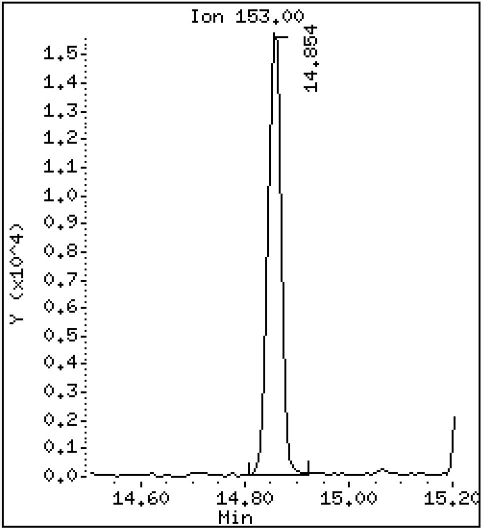
Ion 152.00



Ion 151.00



Ion 153.00



Data File: \\target\share\chem3\nt14.i\20230106.b\NT1423010633.D

Date : 07-JAN-2023 06:51

Client ID:

Instrument: nt14.i

Sample Info: BKL0585-SRM1

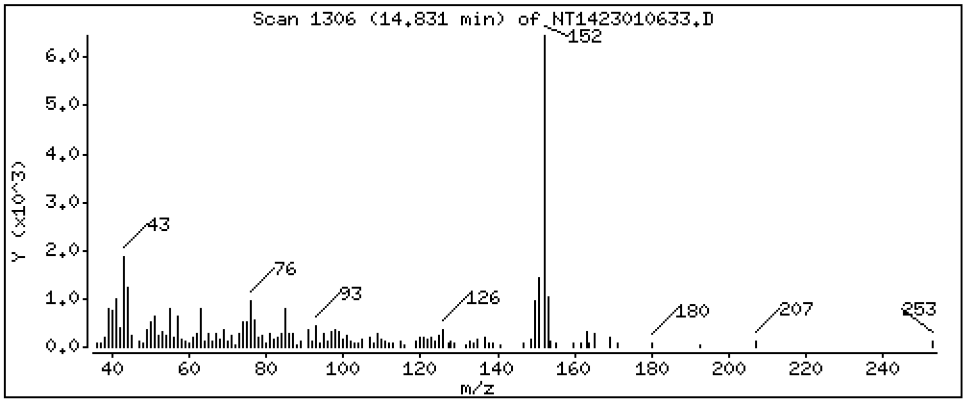
Operator: VTS

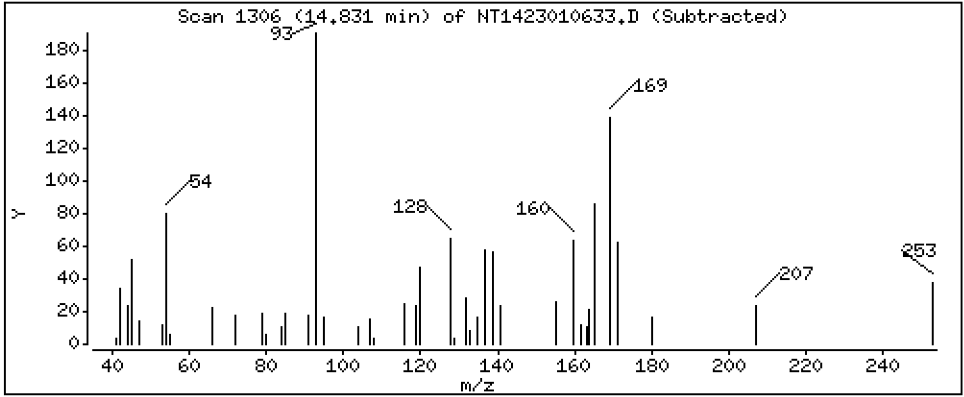
Column phase: ZB-5msi

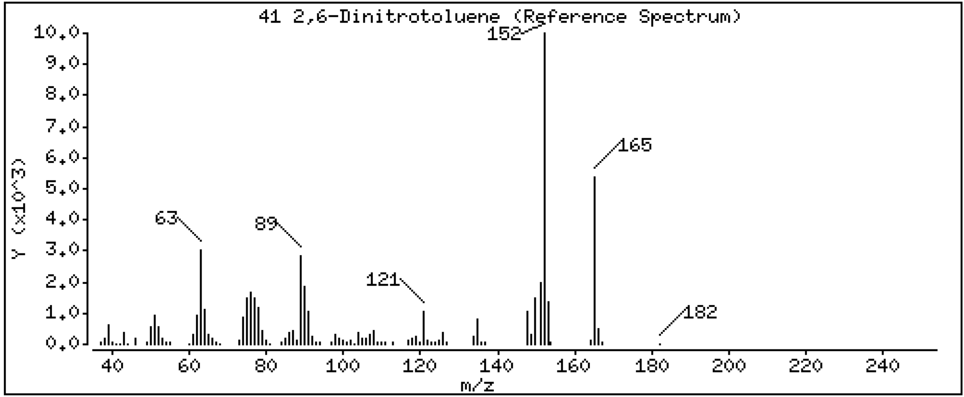
Column diameter: 0.25

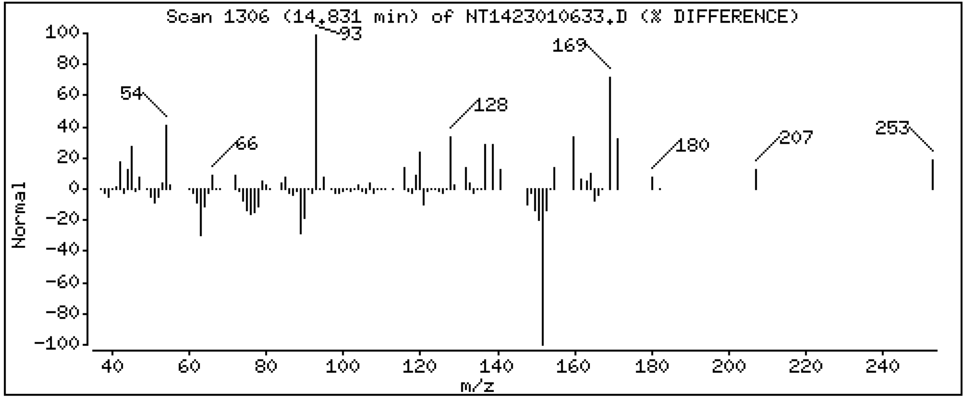
41 2,6-Dinitrotoluene

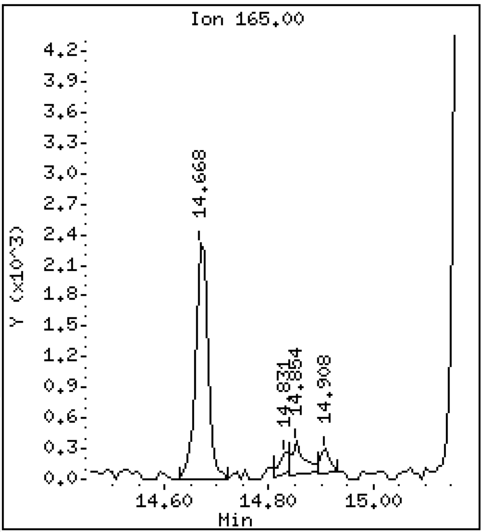
Concentration: 0.02444 ug/mL

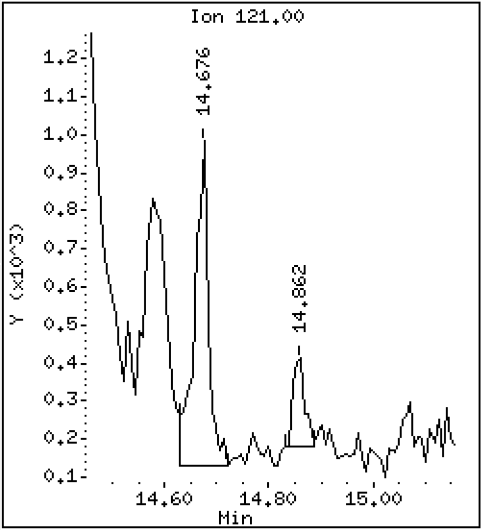

Scan 1306 (14.831 min) of NT1423010633.D

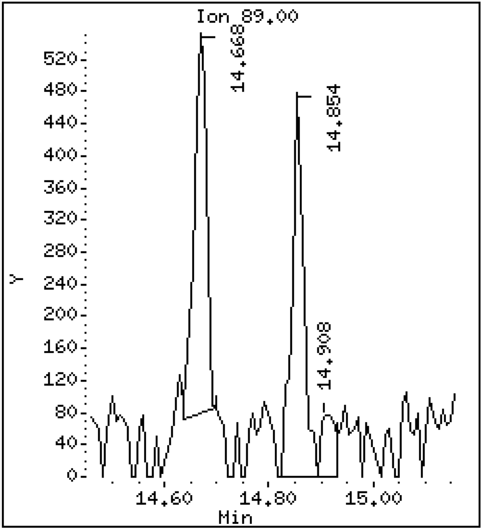

Scan 1306 (14.831 min) of NT1423010633.D (Subtracted)


41 2,6-Dinitrotoluene (Reference Spectrum)


Scan 1306 (14.831 min) of NT1423010633.D (% DIFFERENCE)


Ion 165.00


Ion 121.00


Ion 89.00

Data File: \\target\share\chem3\nt14.i\20230106.b\NT1423010633.D

Date : 07-JAN-2023 06:51

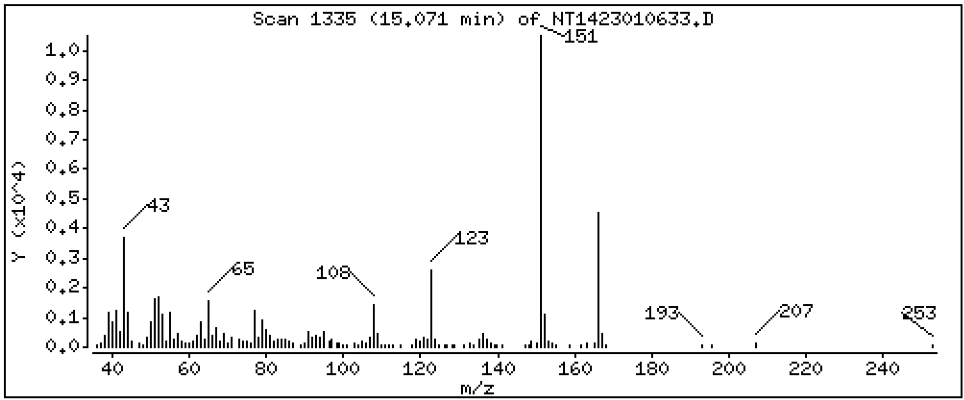
Client ID: Instrument: nt14.i

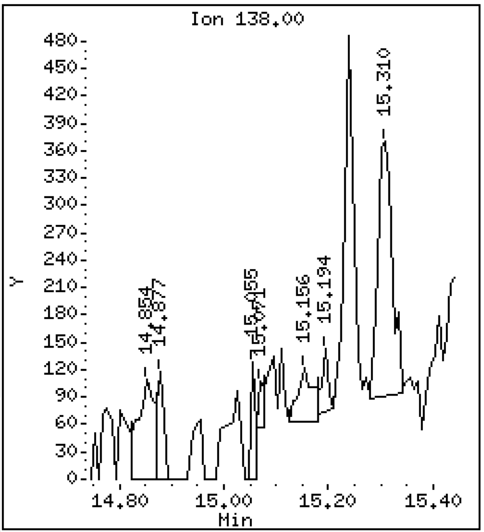
Sample Info: BKL0585-SRM1

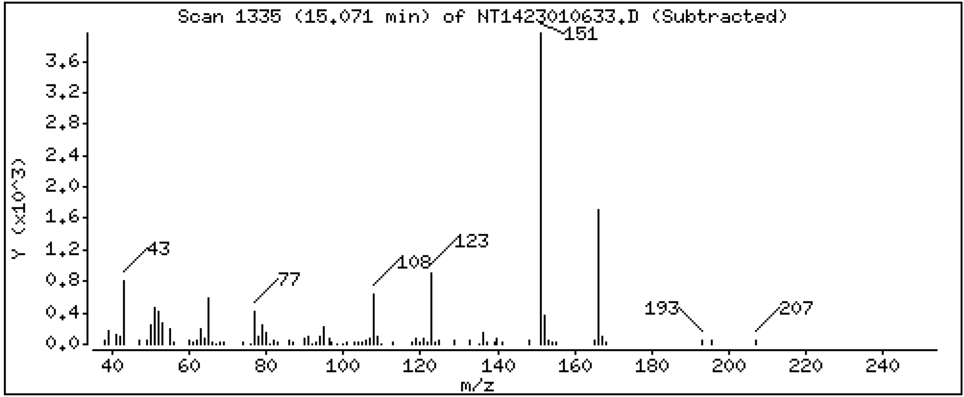
Operator: VTS

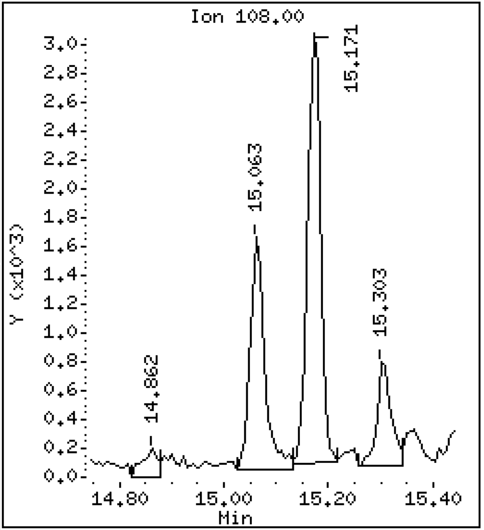
Column phase: ZB-5msi Column diameter: 0.25

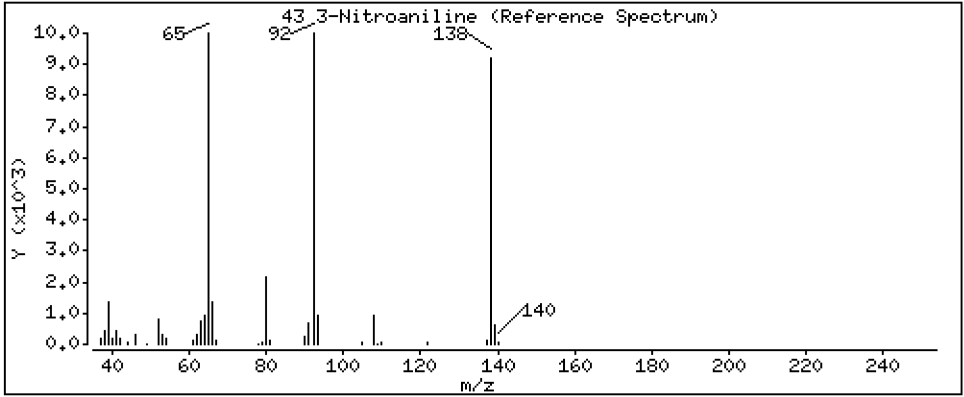
43 3-Nitroaniline Concentration: 0.002754 ug/mL

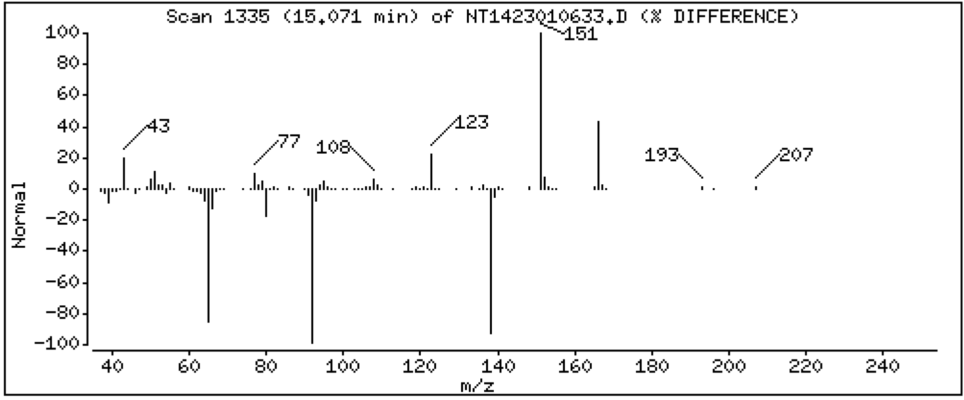

Scan 1335 (15.071 min) of NT1423010633.D

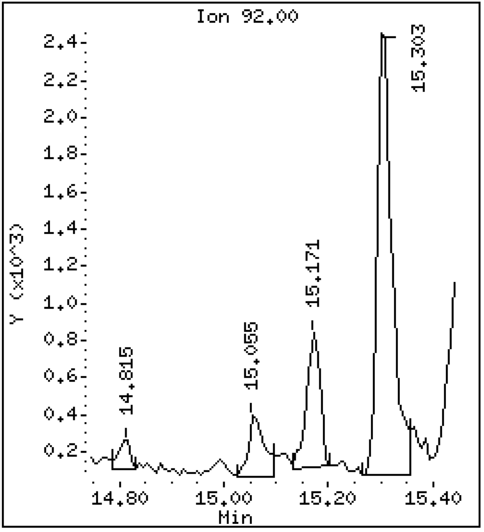

Ion 138.00


Scan 1335 (15.071 min) of NT1423010633.D (Subtracted)


Ion 108.00


43 3-Nitroaniline (Reference Spectrum)


Scan 1335 (15.071 min) of NT1423010633.D (% DIFFERENCE)


Ion 92.00

Date : 07-JAN-2023 06:51

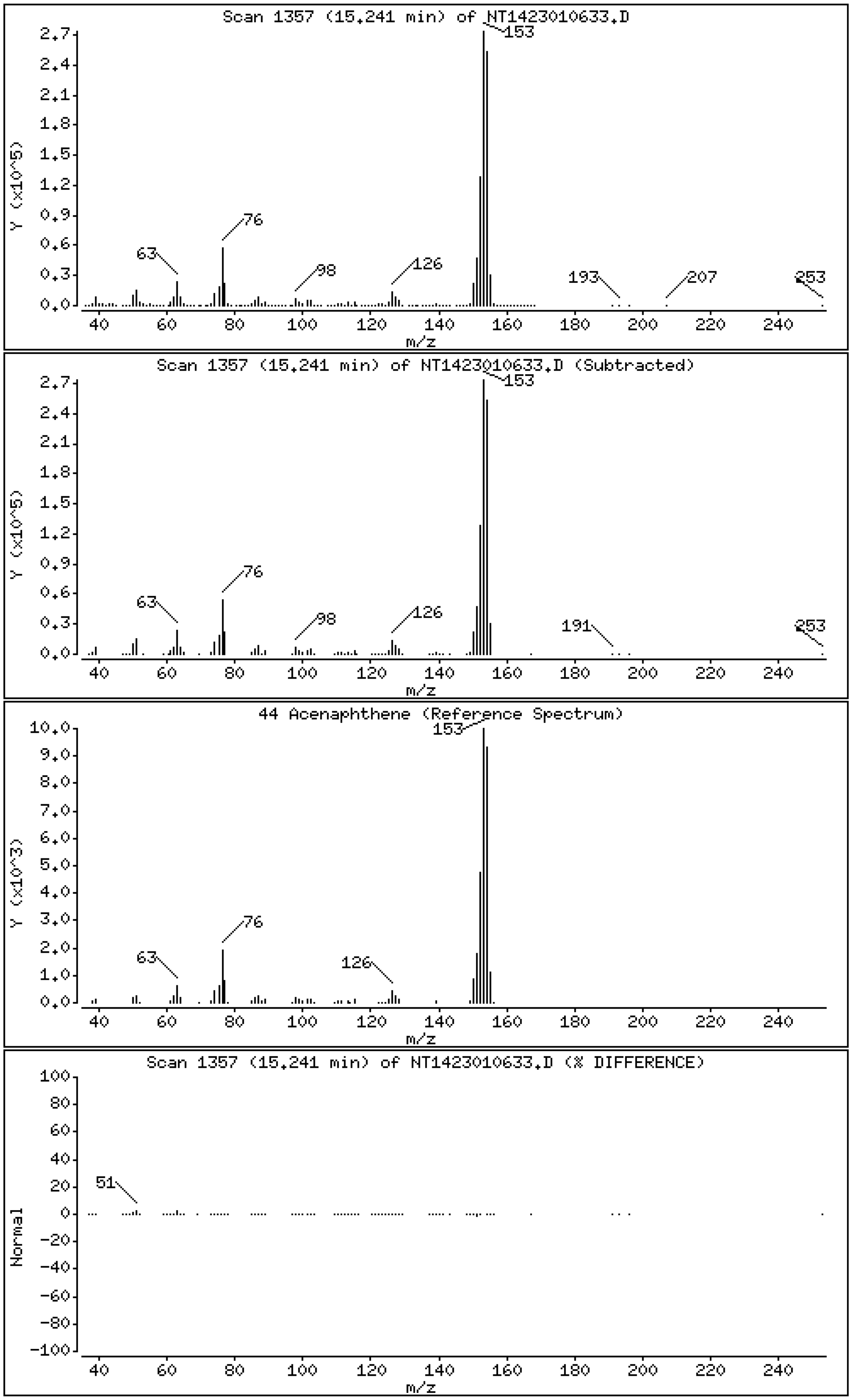
Client ID: Instrument: nt14.i

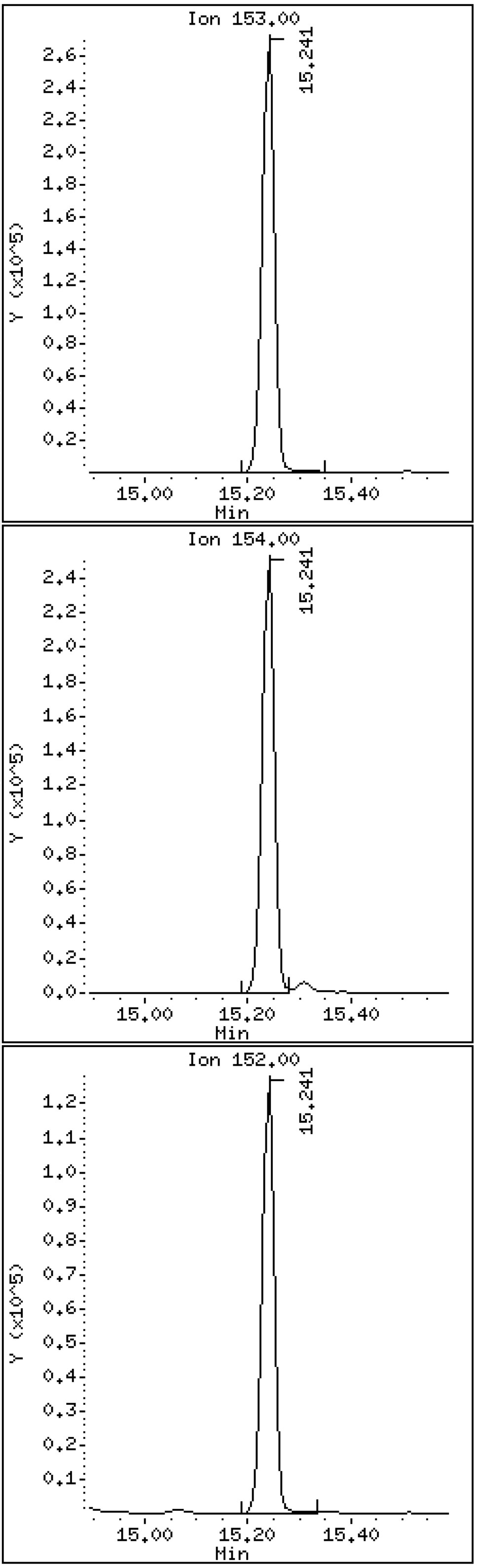
Sample Info: BKL0585-SRM1

Operator: VTS

Column phase: ZB-5msi Column diameter: 0.25

44 Acenaphthene Concentration: 7.701 ug/mL





Date : 07-JAN-2023 06:51

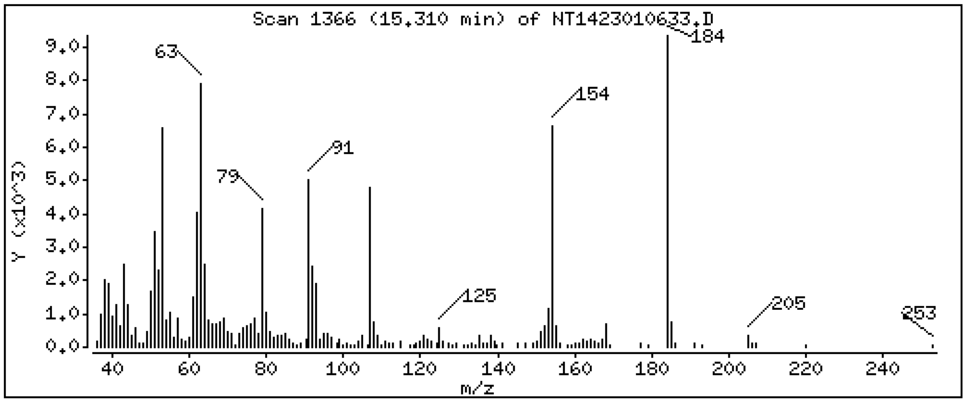
Client ID: Instrument: nt14.i

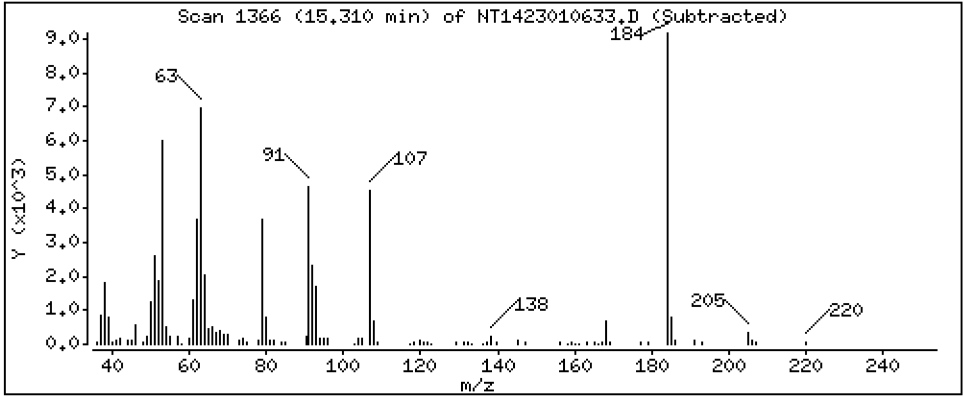
Sample Info: BKL0585-SRM1

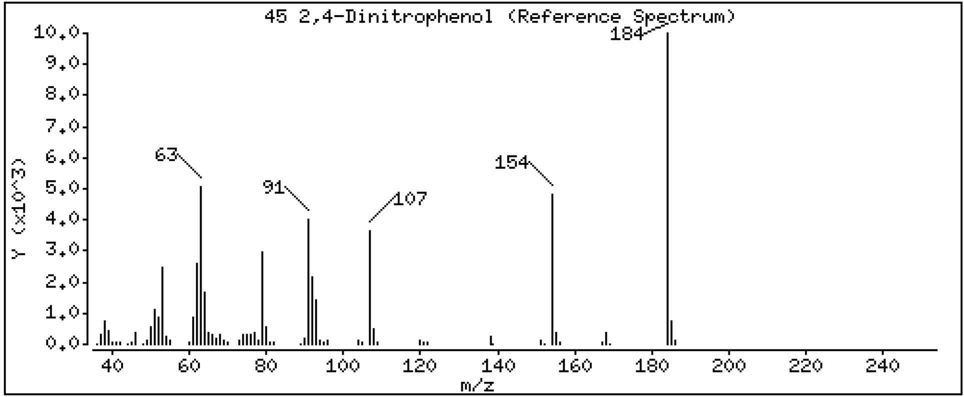
Operator: VTS

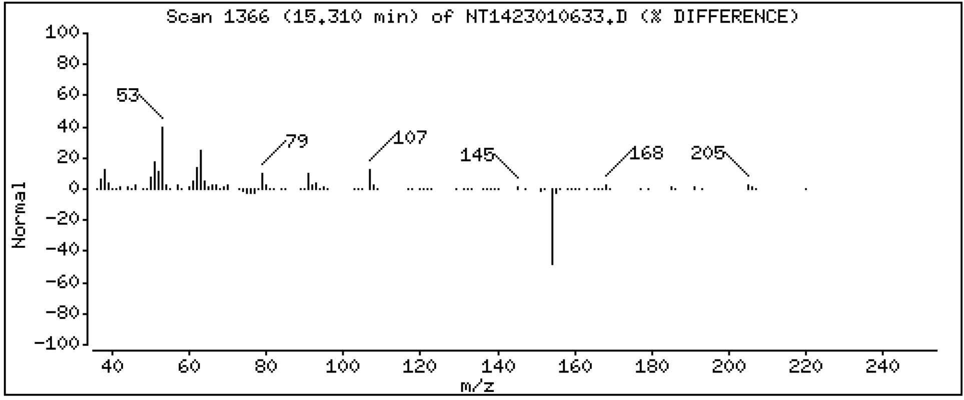
Column phase: ZB-5msi Column diameter: 0.25

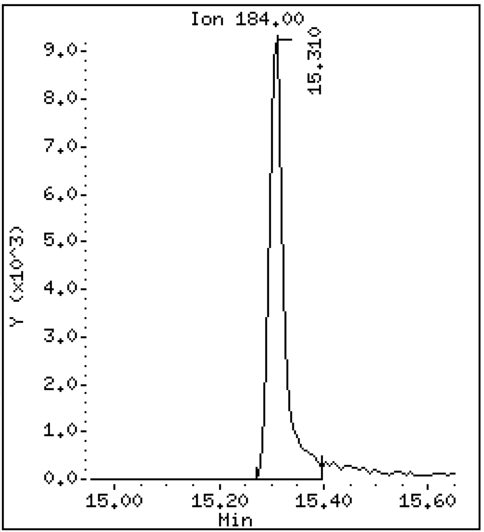
45 2,4-Dinitrophenol Concentration: 1.651 ug/mL

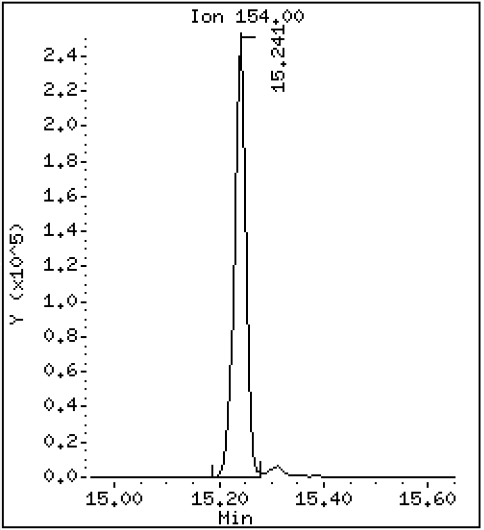


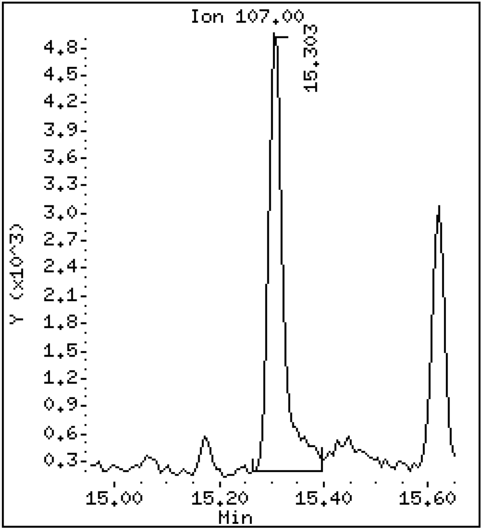












Data File: \\target\share\chem3\nt14.i\20230106.b\NT1423010633.D

Date : 07-JAN-2023 06:51

Client ID:

Instrument: nt14.i

Sample Info: BKL0585-SRM1

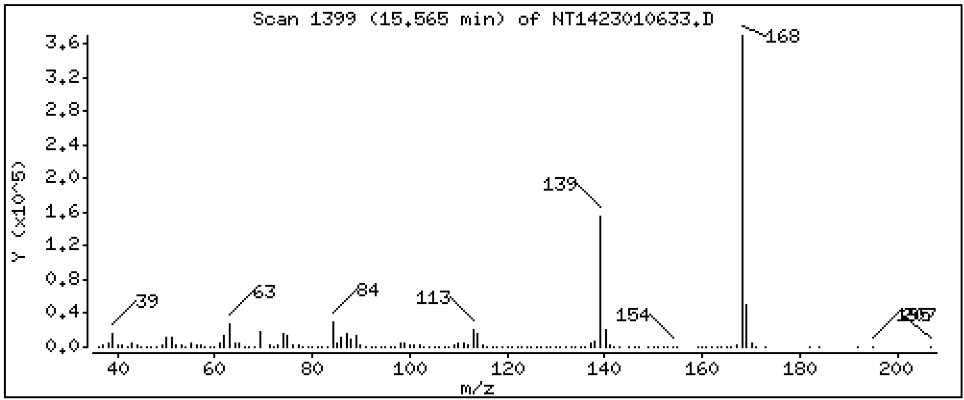
Operator: VTS

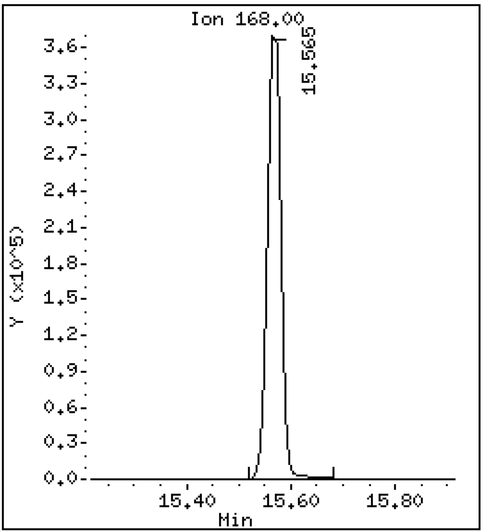
Column phase: ZB-5msi

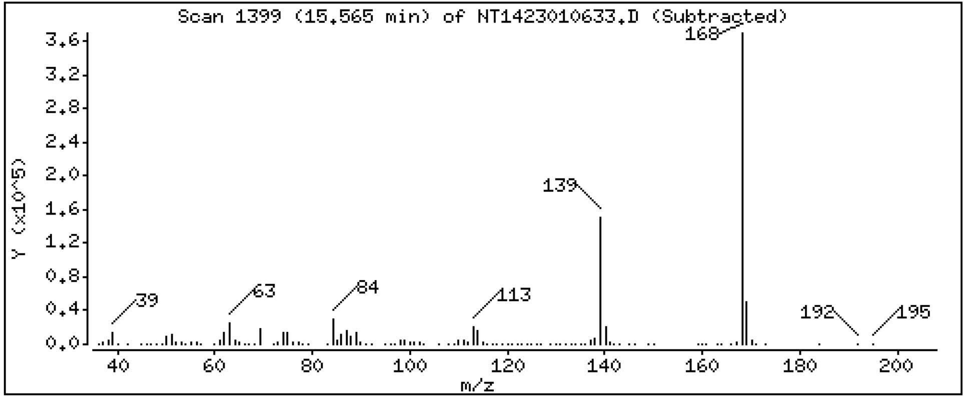
Column diameter: 0.25

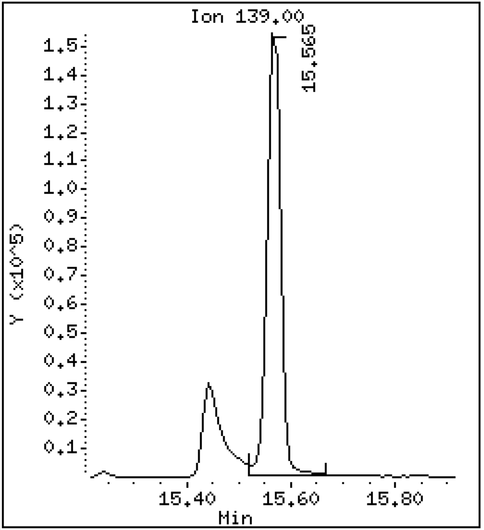
46 Dibenzofuran

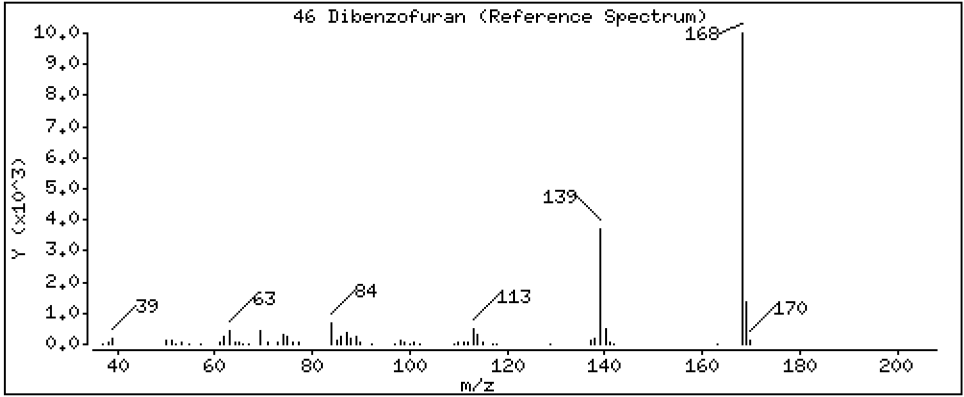
Concentration: 7.730 ug/mL

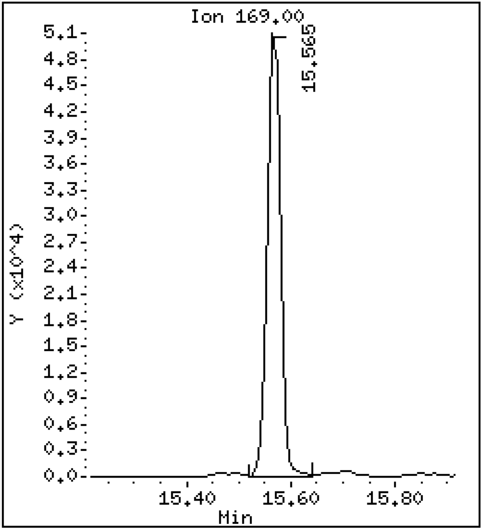


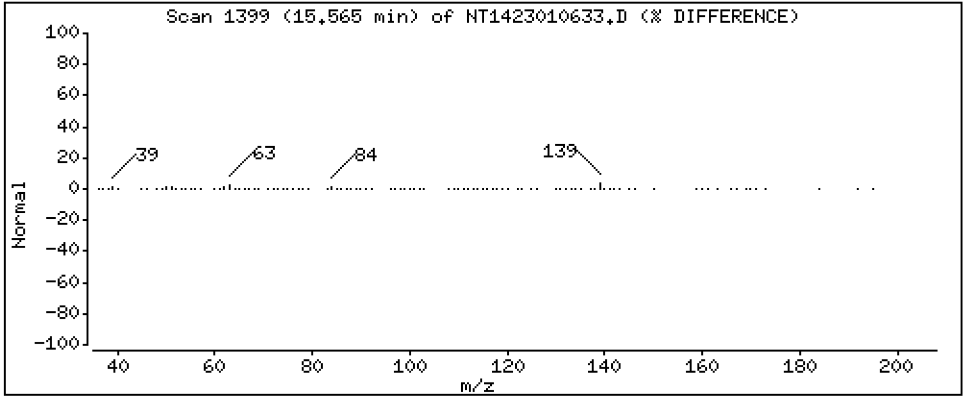












Data File: \\target\share\chem3\nt14.i\20230106.b\NT1423010633.D

Date : 07-JAN-2023 06:51

Client ID:

Instrument: nt14.i

Sample Info: BKL0585-SRM1

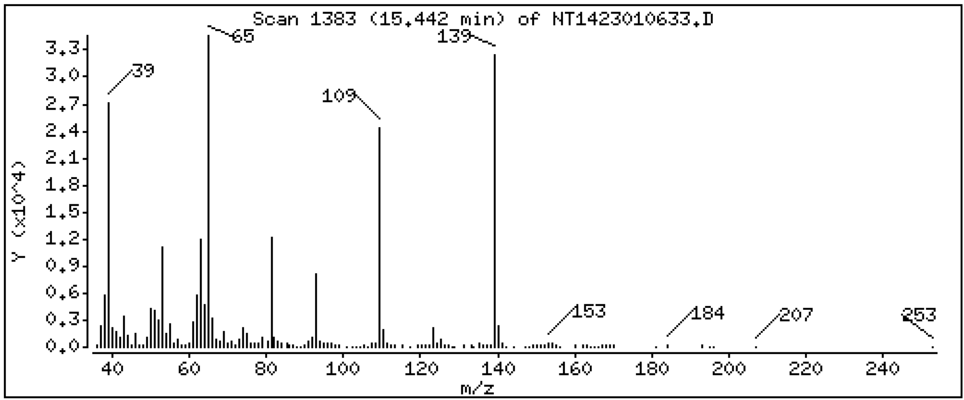
Operator: VTS

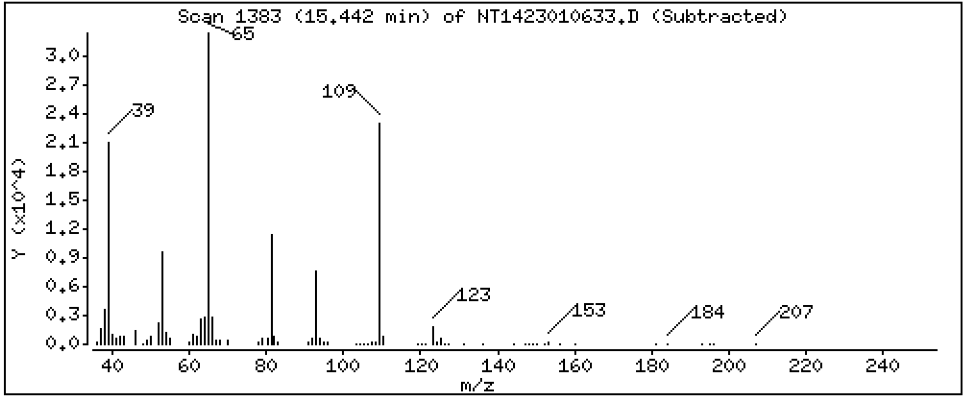
Column phase: ZB-5msi

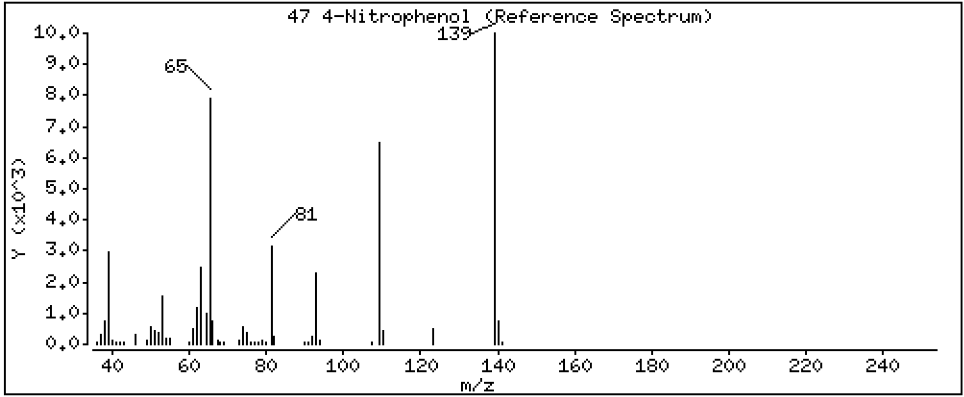
Column diameter: 0.25

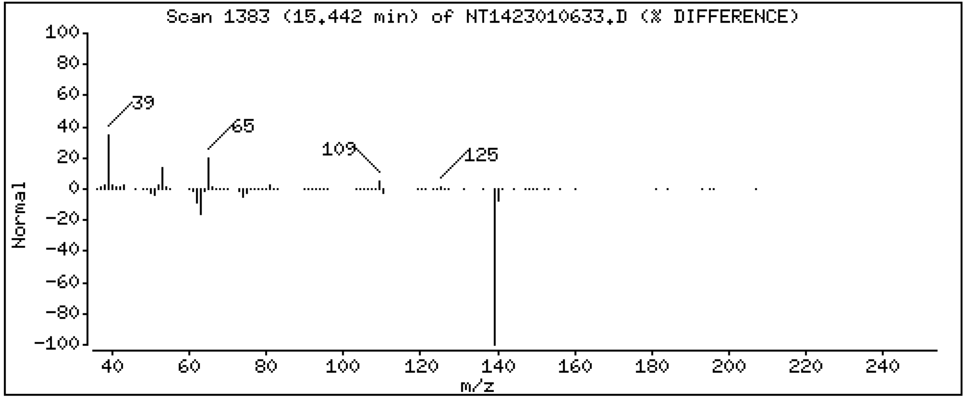
47 4-Nitrophenol

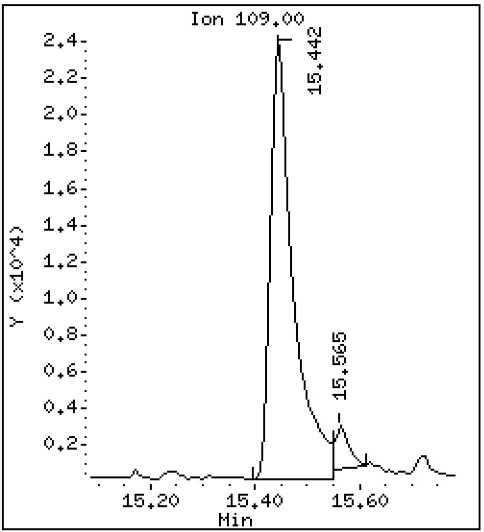
Concentration: 9.574 ug/mL

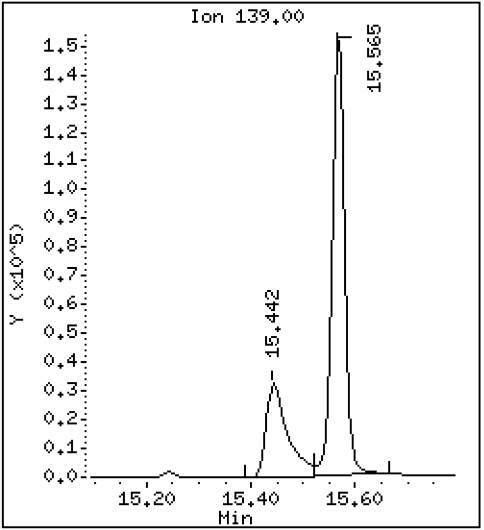


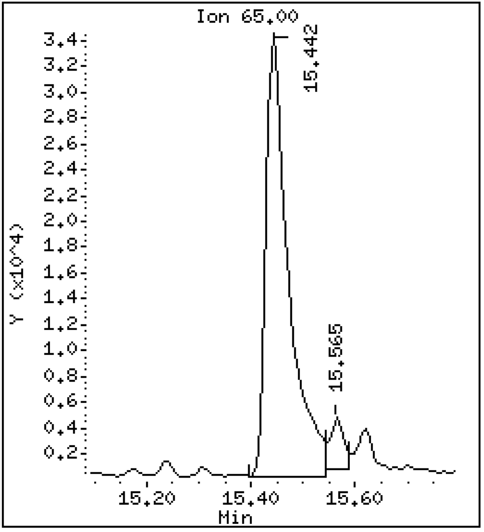












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Date : 07-JAN-2023 06:51

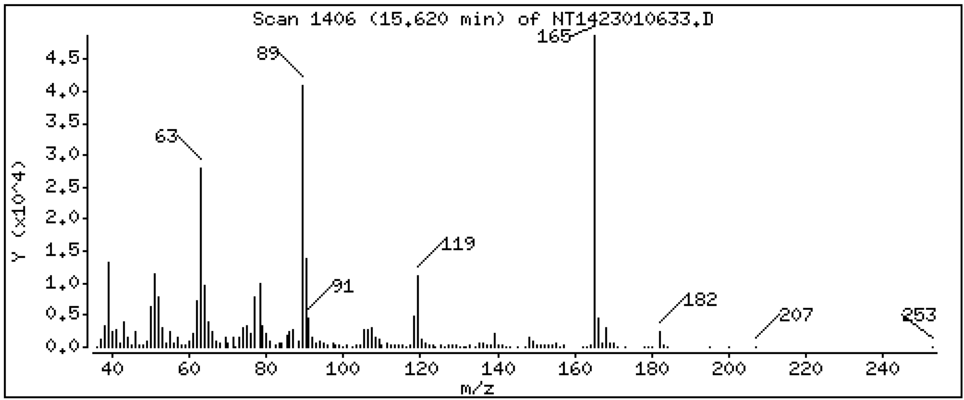
Client ID: Instrument: nt14.i

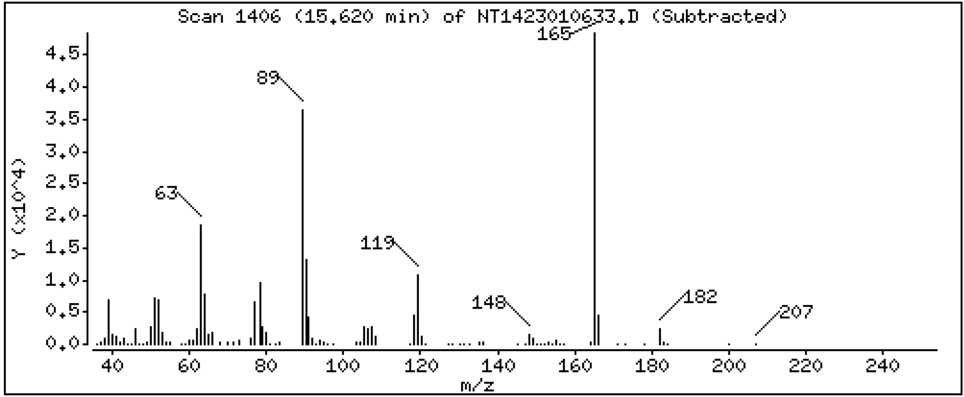
Sample Info: BKL0585-SRM1

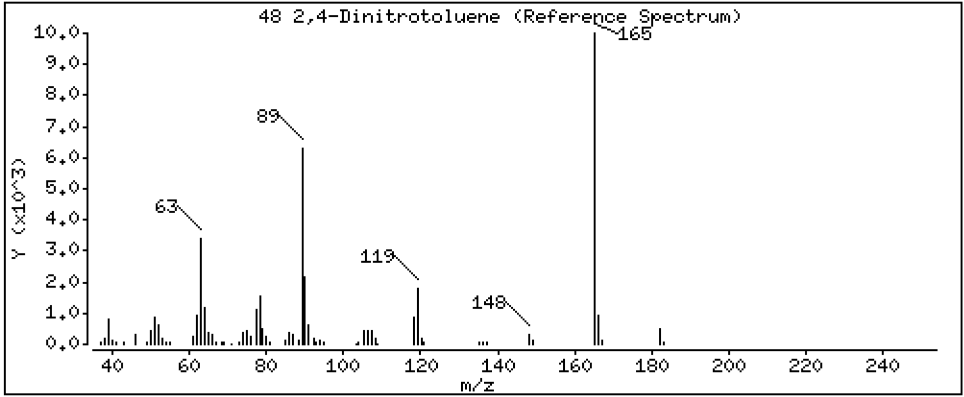
Operator: VTS

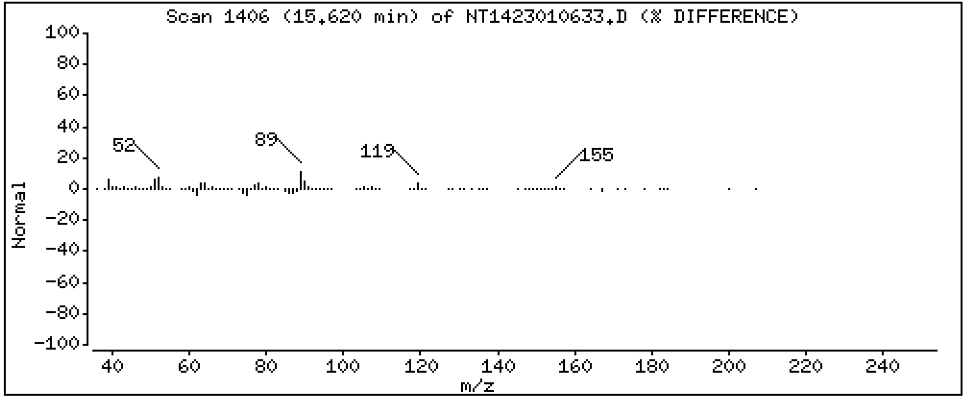
Column phase: ZB-5msi Column diameter: 0.25

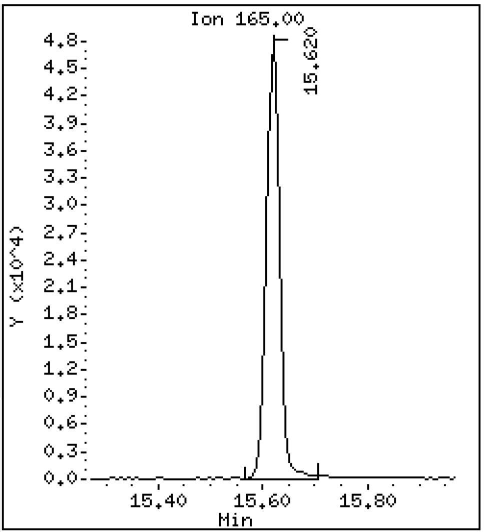
48 2,4-Dinitrotoluene Concentration: 4.536 ug/mL

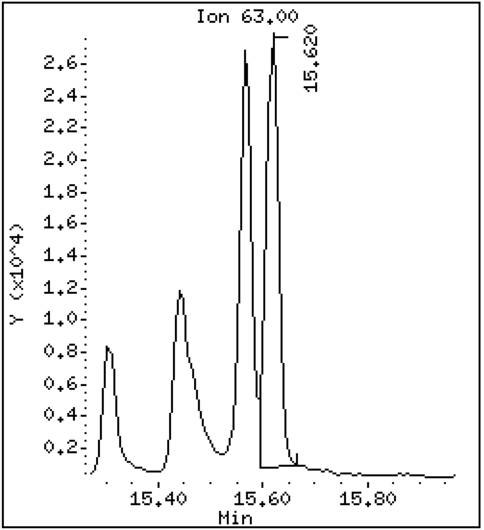


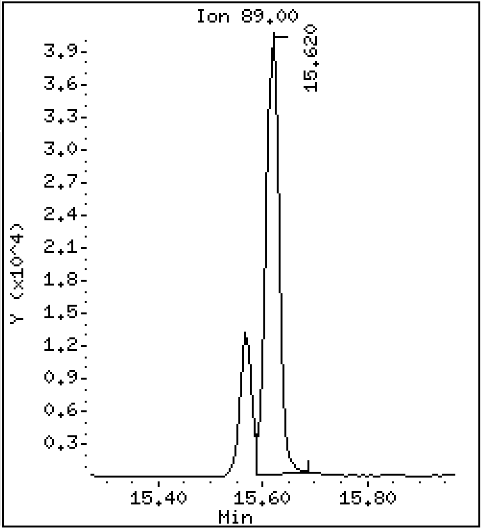












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Date : 07-JAN-2023 06:51

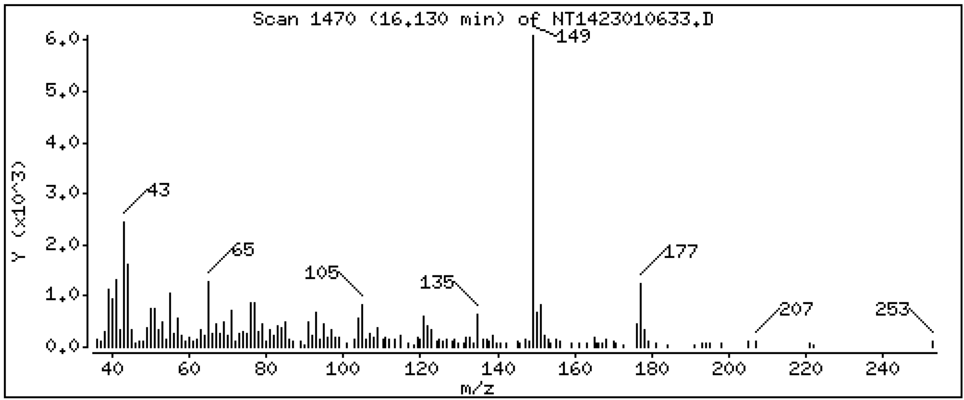
Client ID: Instrument: nt14.i

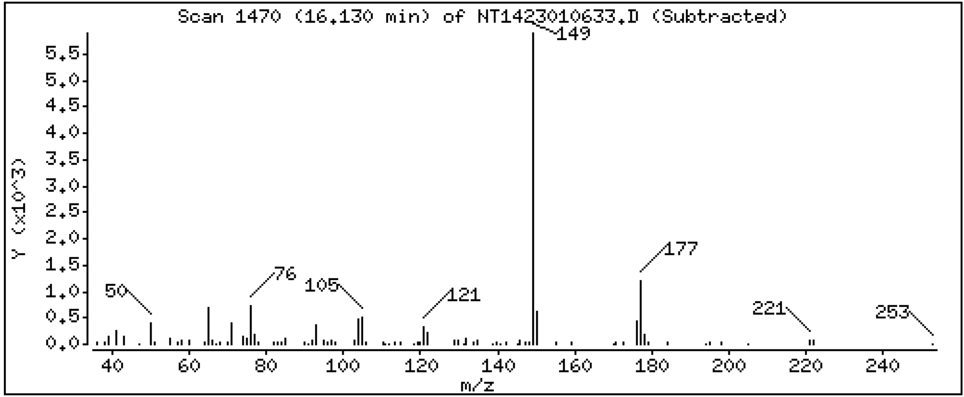
Sample Info: BKL0585-SRM1

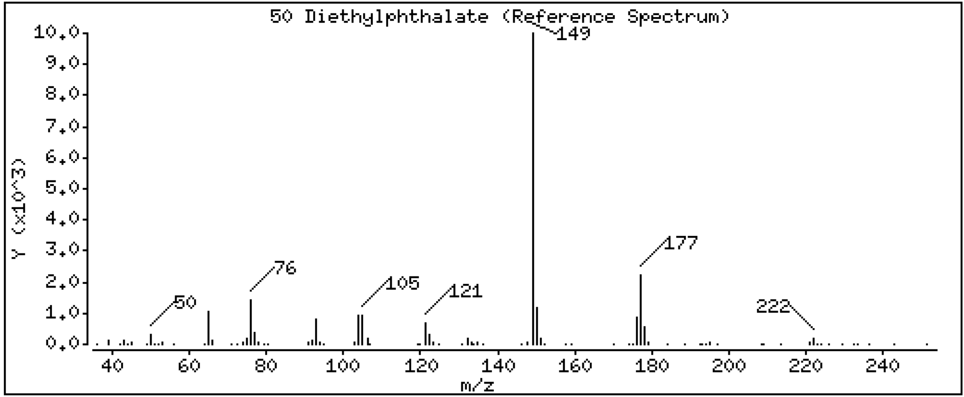
Operator: VTS

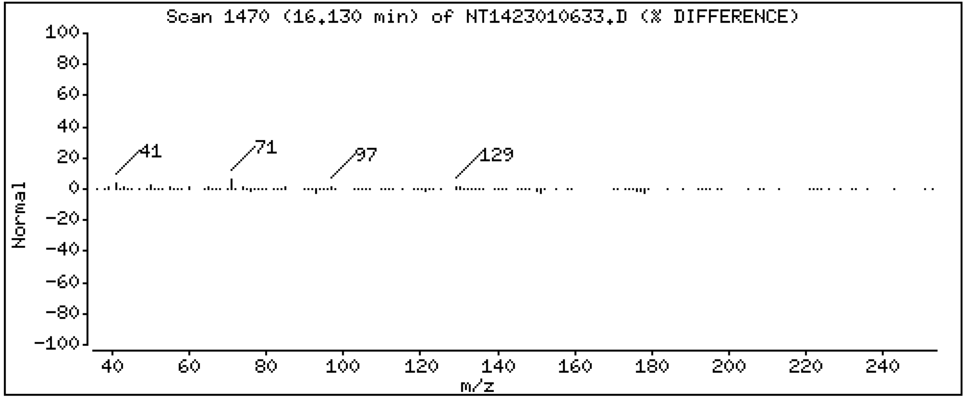
Column phase: ZB-5msi Column diameter: 0.25

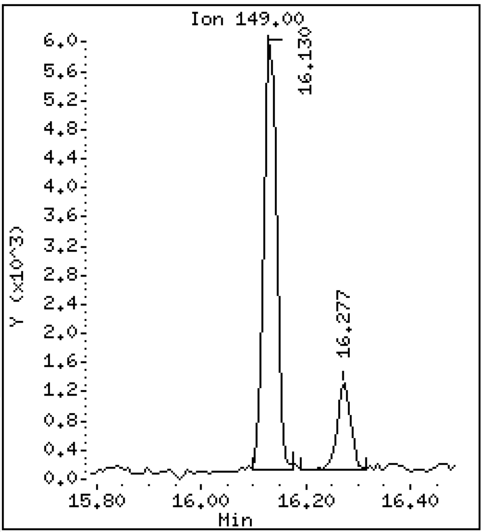
50 Diethylphthalate Concentration: 0.1225 ug/mL

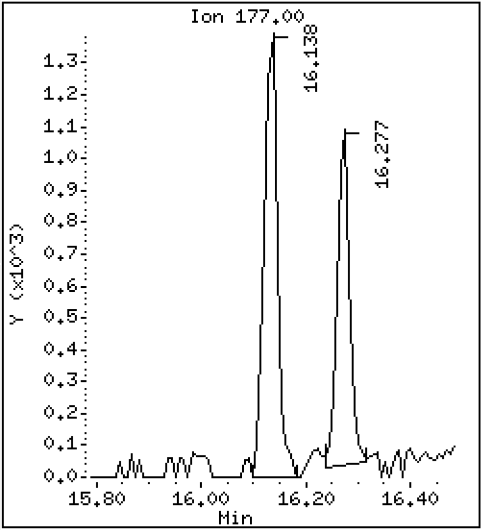

Scan 1470 (16.130 min) of NT1423010633.D

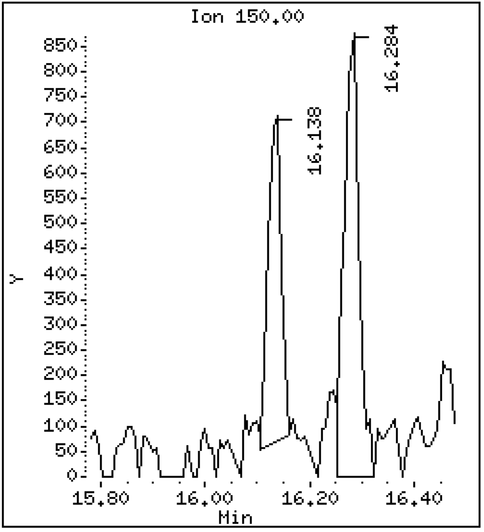

Scan 1470 (16.130 min) of NT1423010633.D (Subtracted)


50 Diethylphthalate (Reference Spectrum)


Scan 1470 (16.130 min) of NT1423010633.D (% DIFFERENCE)


Ion 149.00


Ion 177.00


Ion 150.00

Date : 07-JAN-2023 06:51

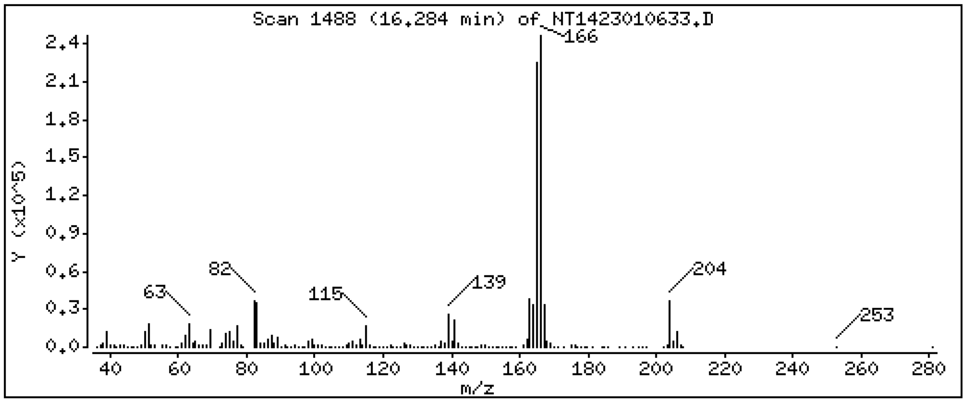
Client ID: Instrument: nt14.i

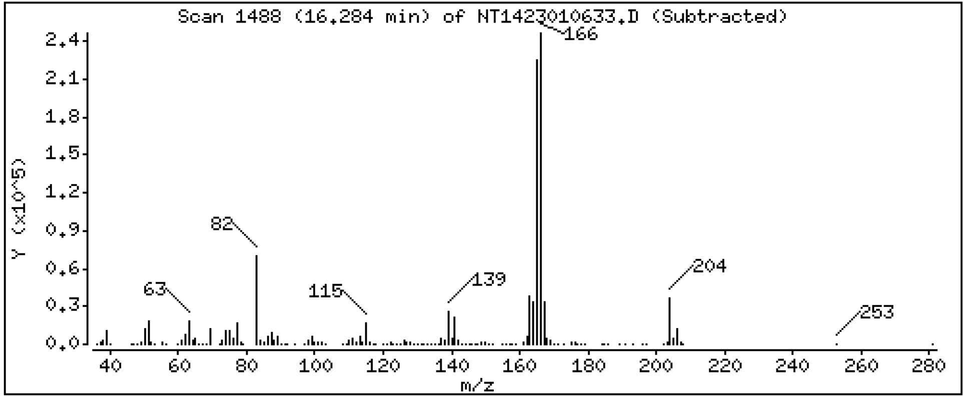
Sample Info: BKL0585-SRM1

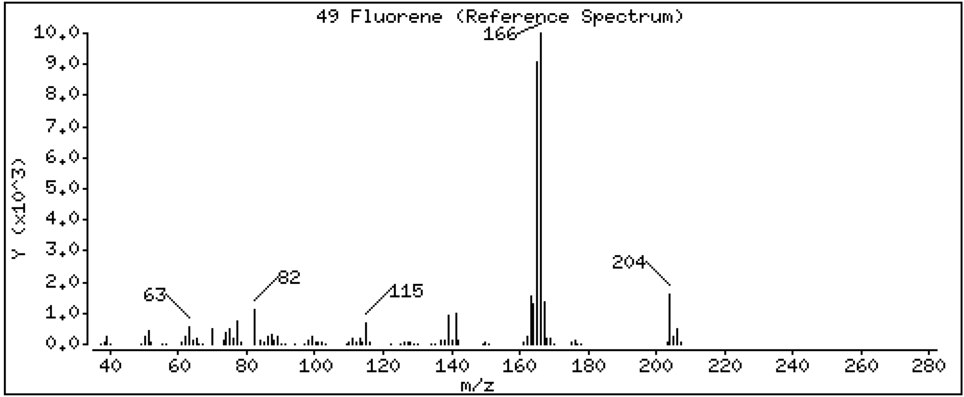
Operator: VTS

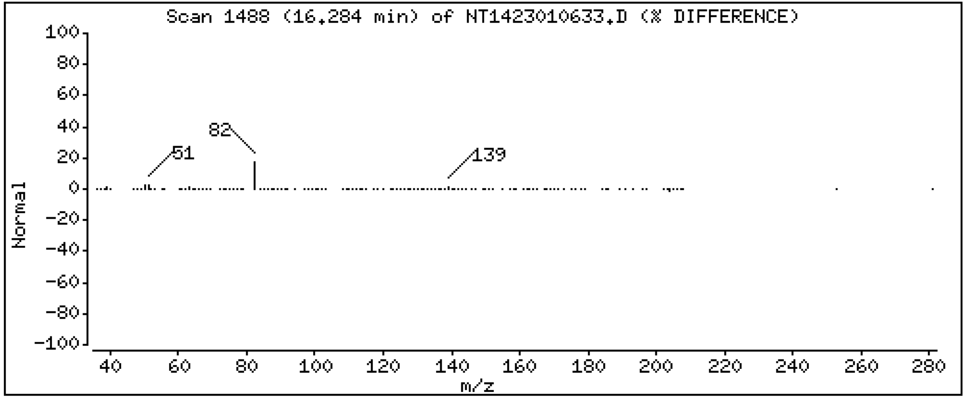
Column phase: ZB-5msi Column diameter: 0.25

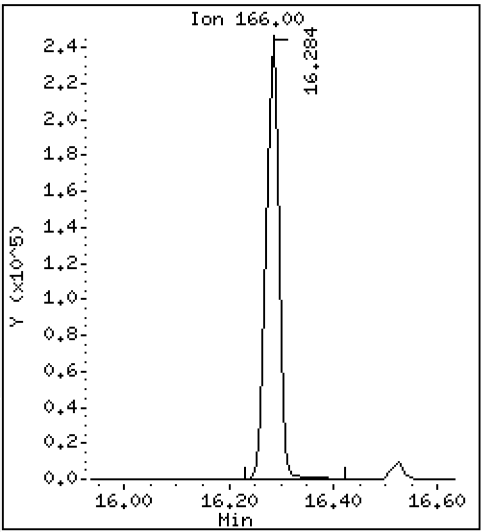
49 Fluorene Concentration: 4.650 ug/mL

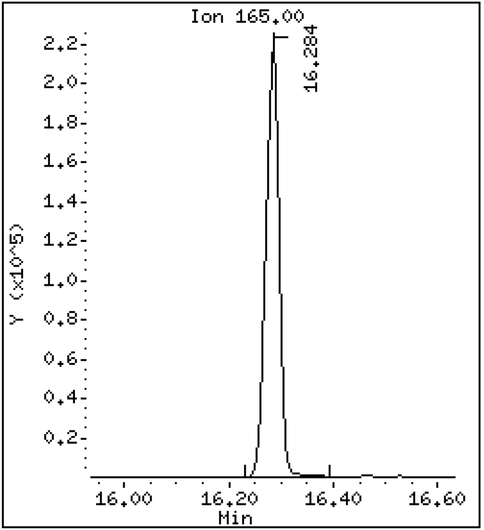

Scan 1488 (16.284 min) of NT1423010633.D


Scan 1488 (16.284 min) of NT1423010633.D (Subtracted)


49 Fluorene (Reference Spectrum)


Scan 1488 (16.284 min) of NT1423010633.D (% DIFFERENCE)


Ion 166.00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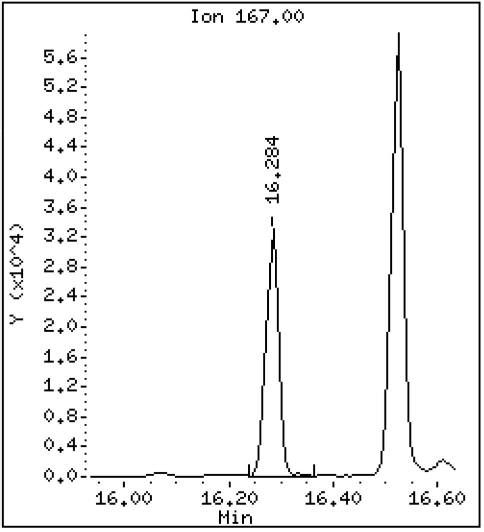

Ion 167.00

Date : 07-JAN-2023 06:51

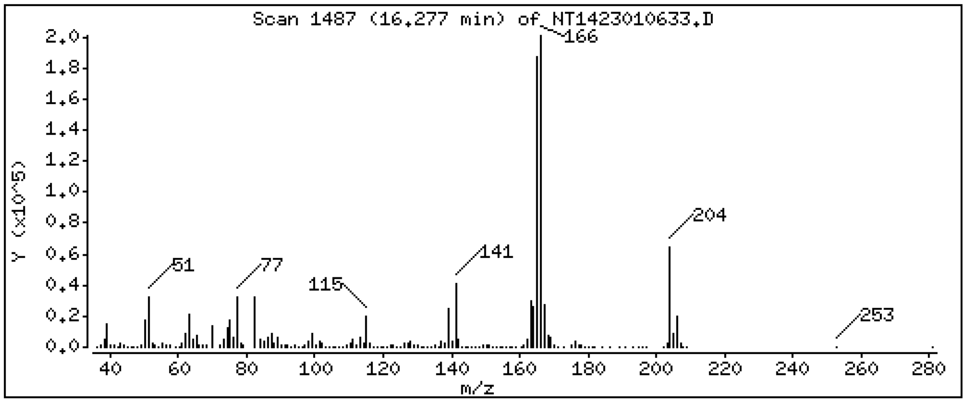
Client ID: Instrument: nt14.i

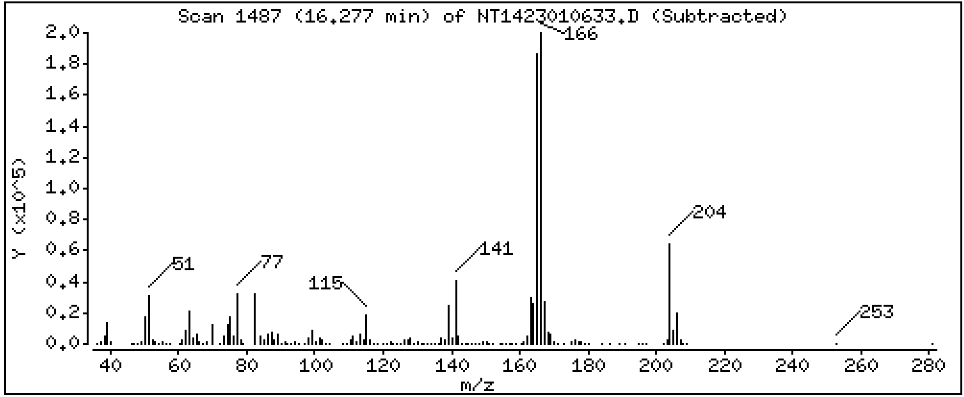
Sample Info: BKL0585-SRM1

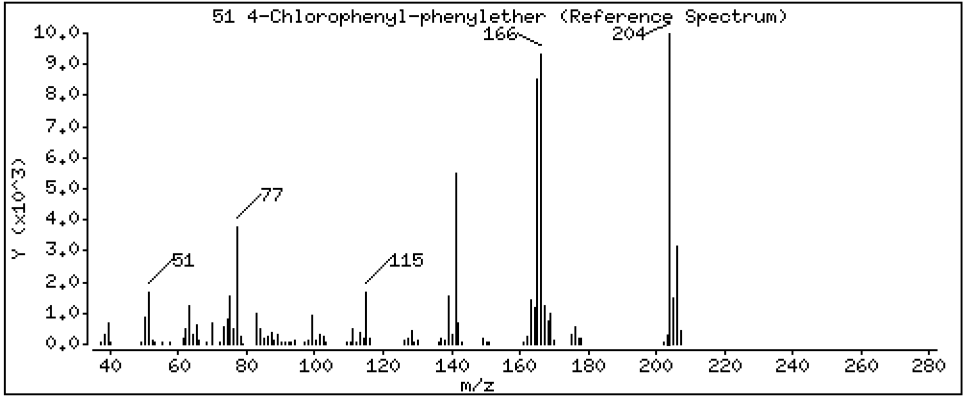
Operator: VTS

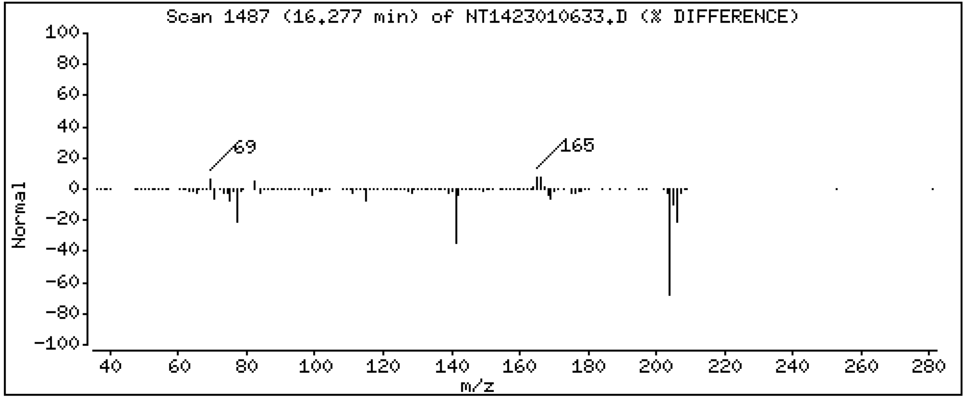
Column phase: ZB-5msi Column diameter: 0.25

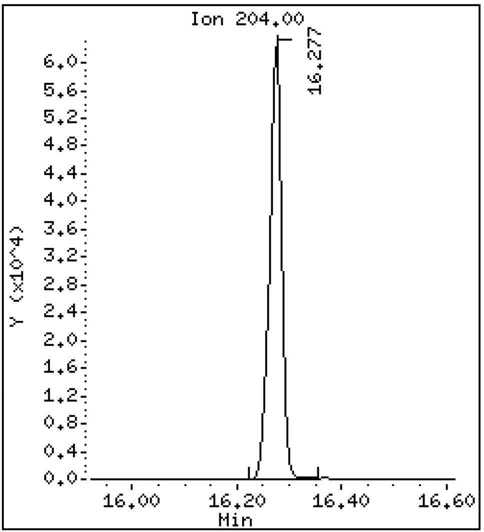
51 4-Chlorophenyl-phenylether Concentration: 2.395 ug/mL


Scan 1487 (16.277 min) of NT1423010633.D


Scan 1487 (16.277 min) of NT1423010633.D (Subtracted)


51 4-Chlorophenyl-phenylether (Reference Spectrum)


Scan 1487 (16.277 min) of NT1423010633.D (% DIFFERENCE)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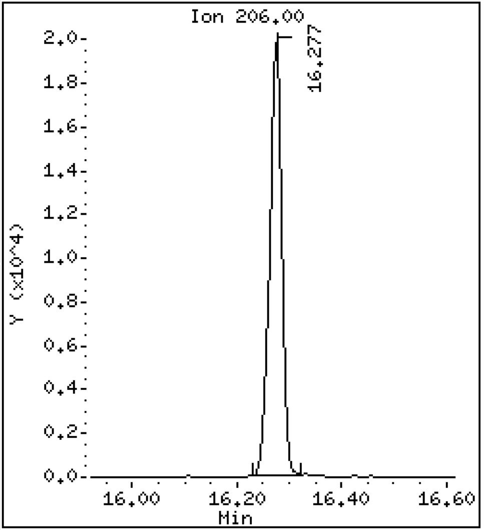
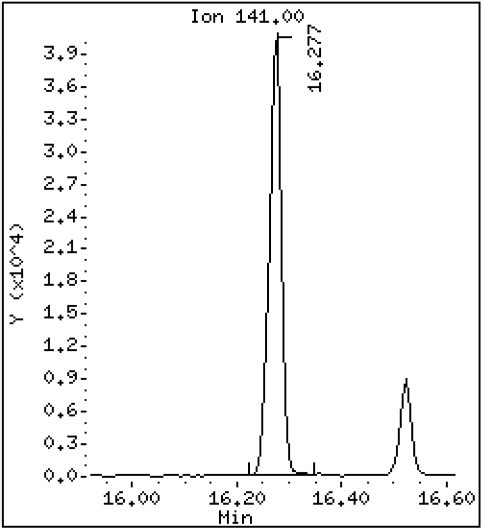

Ion 206.00


Ion 141.00

Data File: \\target\share\chem3\nt14.i\20230106.b\NT1423010633.D

Date : 07-JAN-2023 06:51

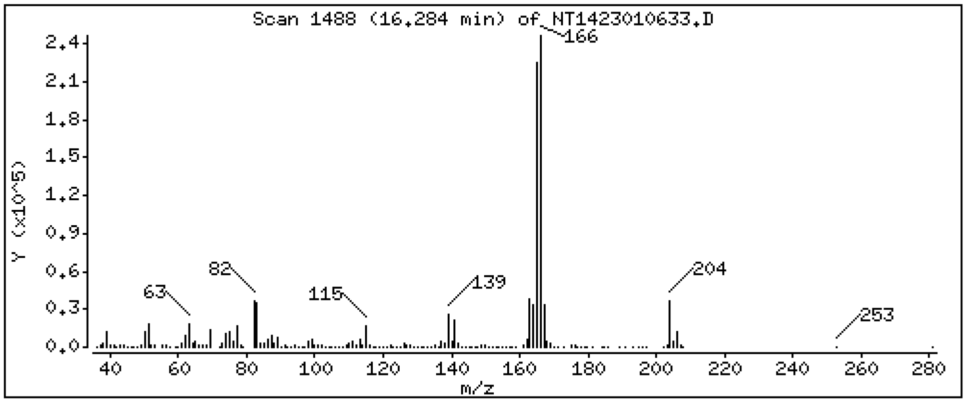
Client ID: Instrument: nt14.i

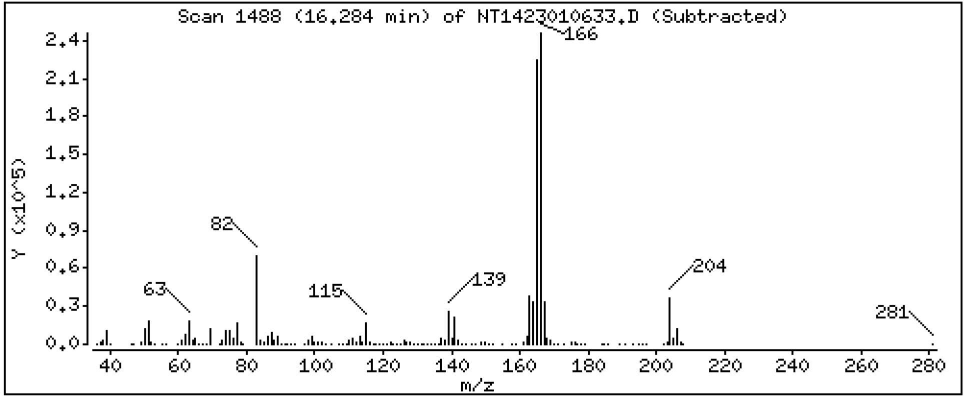
Sample Info: BKL0585-SRM1

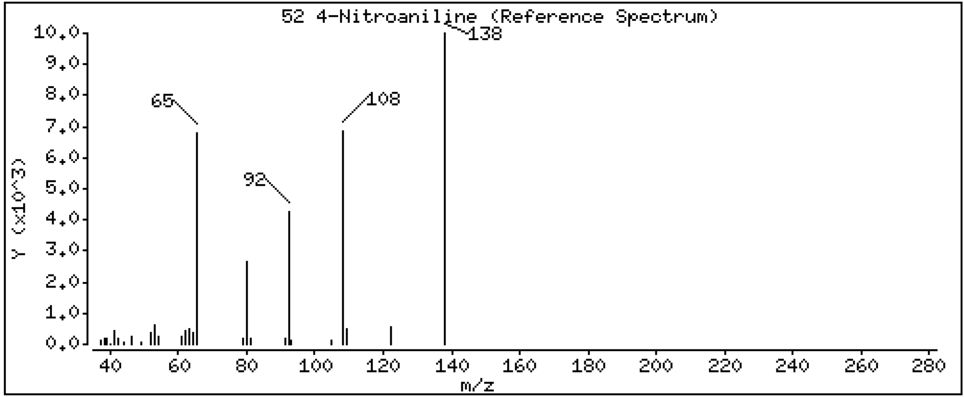
Operator: VTS

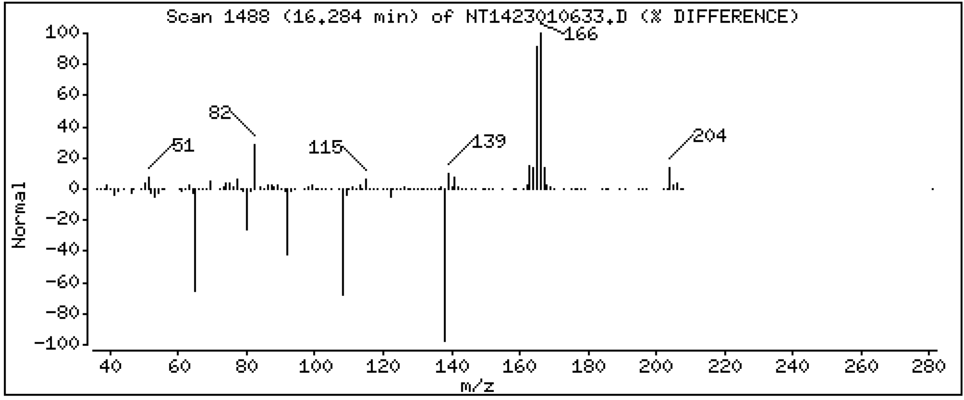
Column phase: ZB-5msi Column diameter: 0.25

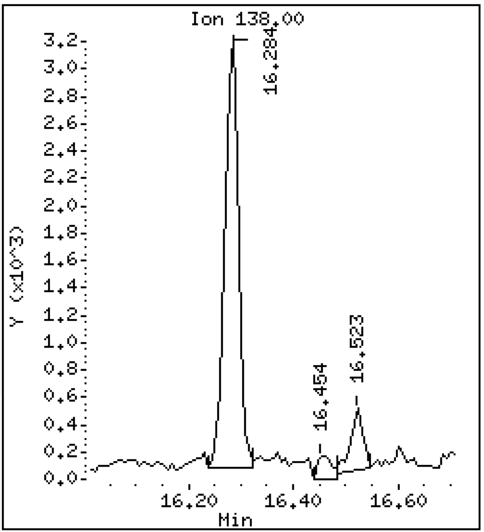
52 4-Nitroaniline Concentration: 0.2965 ug/mL


Scan 1488 (16.284 min) of NT1423010633.D


Scan 1488 (16.284 min) of NT1423010633.D (Subtracted)


52 4-Nitroaniline (Reference Spectrum)


Scan 1488 (16.284 min) of NT1423010633.D (% DIFFERENCE)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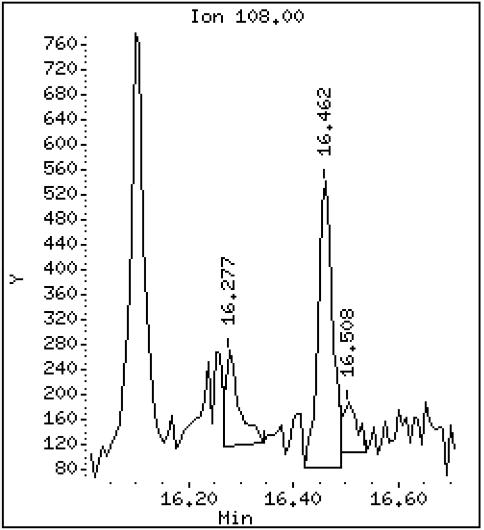
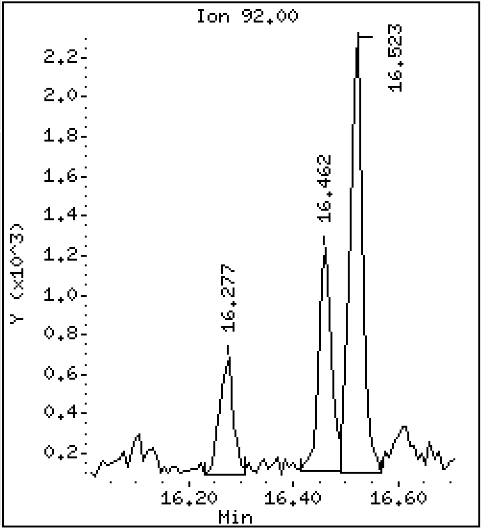

Ion 108.00


Ion 92.00

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Date : 07-JAN-2023 06:51

Client ID:

Instrument: nt14.i

Sample Info: BKL0585-SRM1

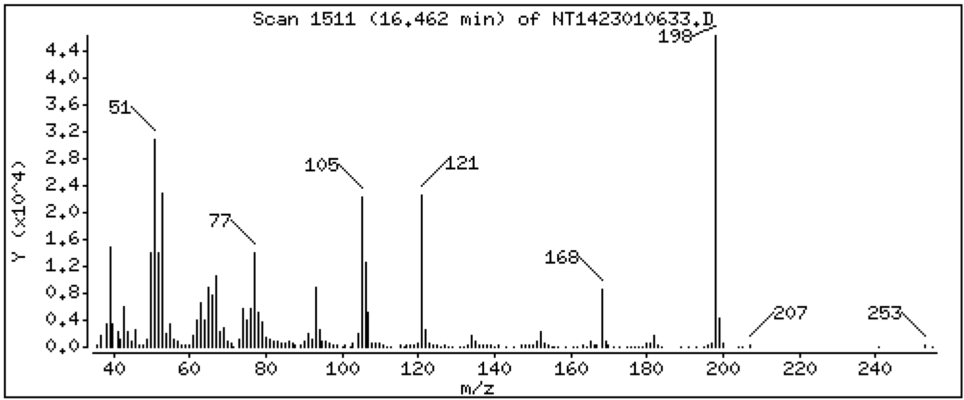
Operator: VTS

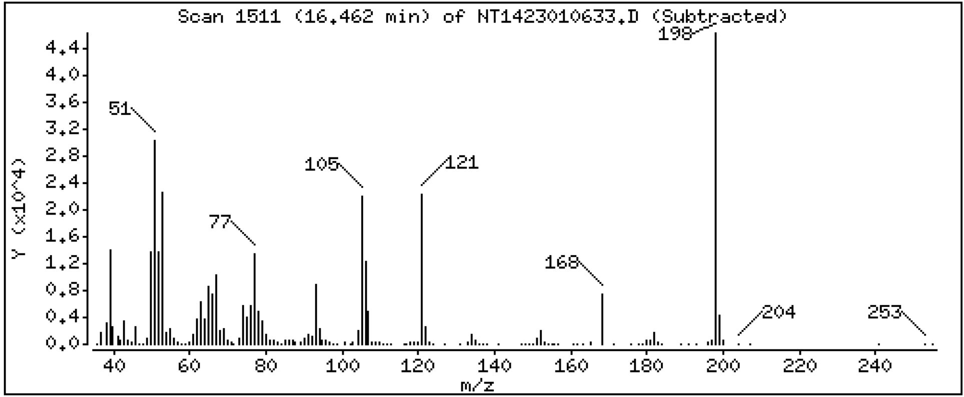
Column phase: ZB-5msi

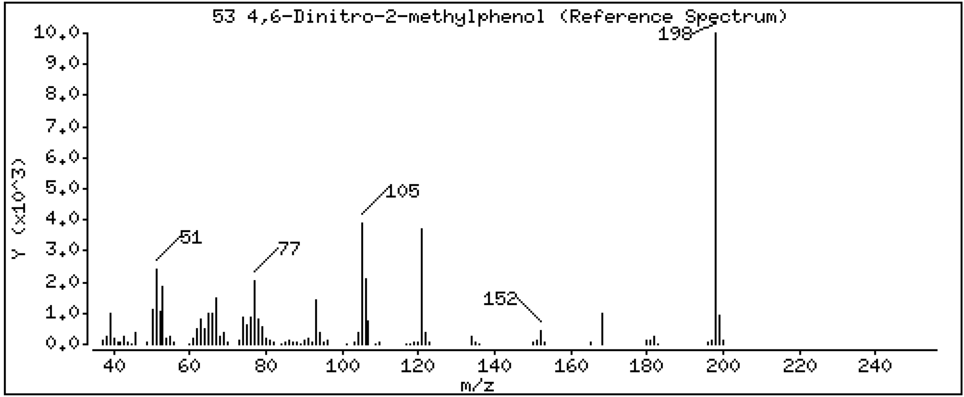
Column diameter: 0.25

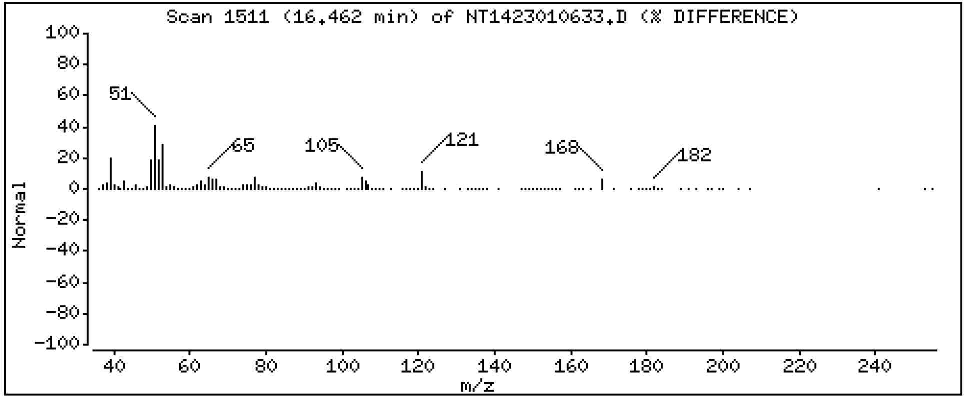
53 4,6-Dinitro-2-methylphenol

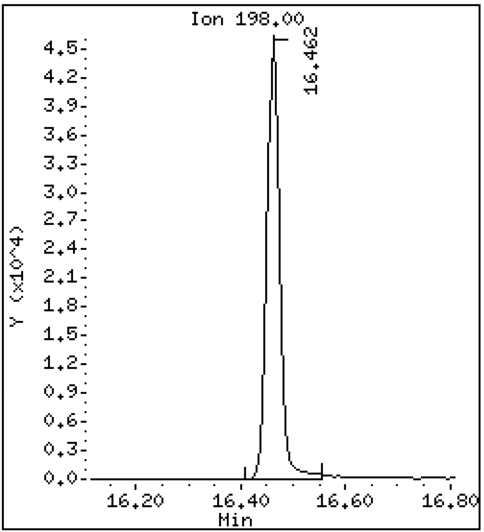
Concentration: 5.140 ug/mL

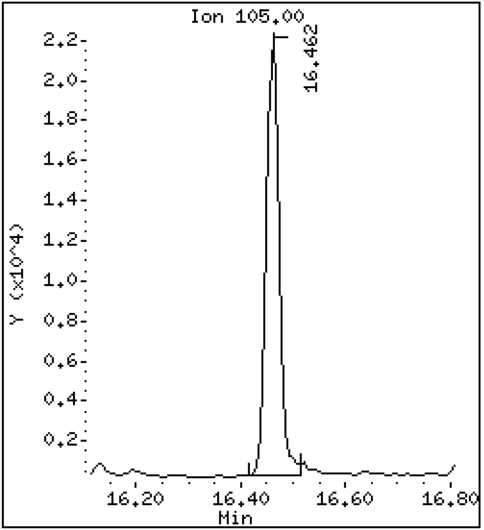


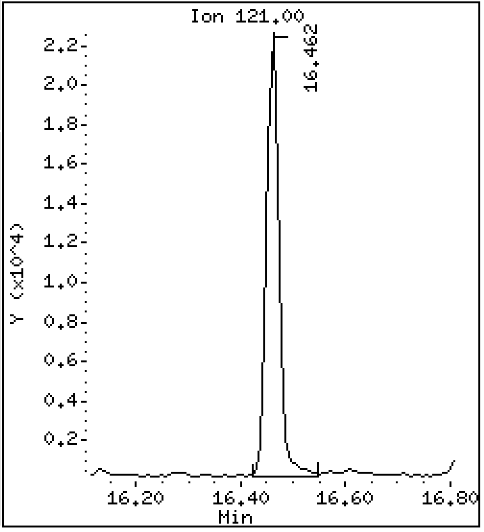












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Date : 07-JAN-2023 06:51

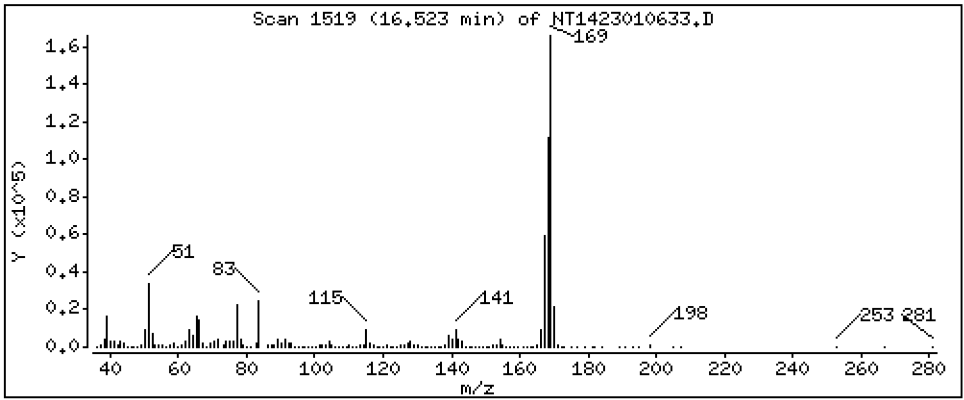
Client ID: Instrument: nt14.i

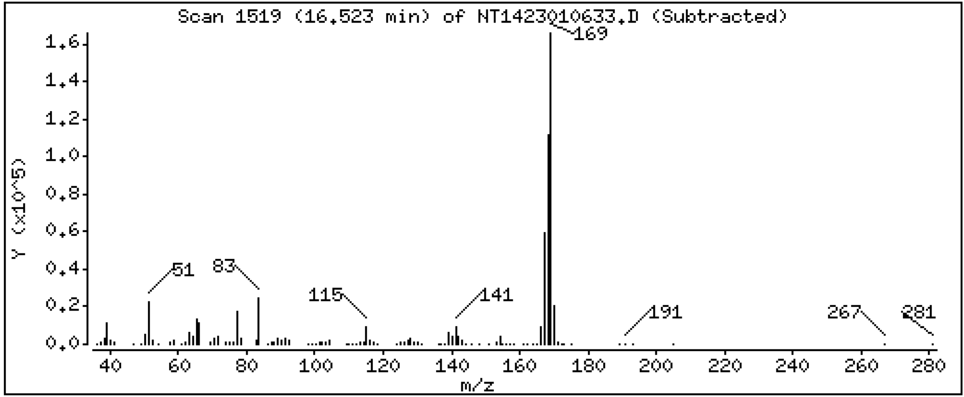
Sample Info: BKL0585-SRM1

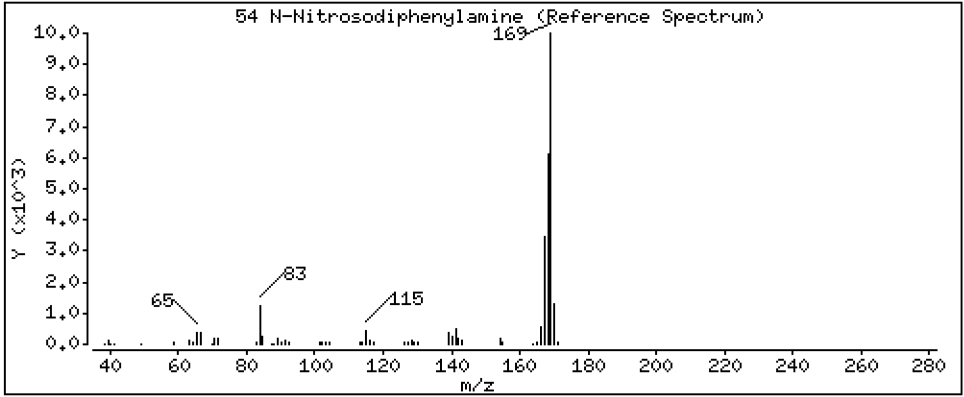
Operator: VTS

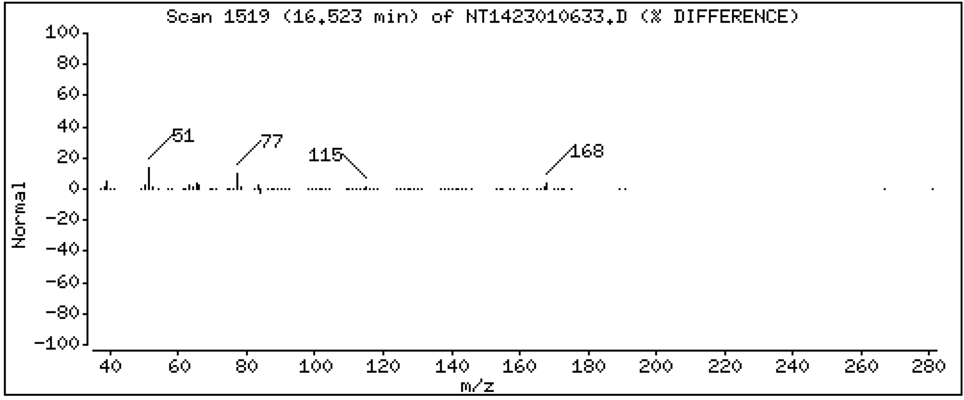
Column phase: ZB-5msi Column diameter: 0.25

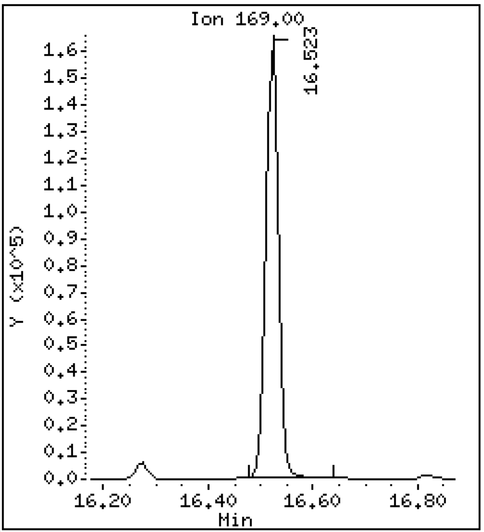
54 N-Nitrosodiphenylamine Concentration: 4.403 ug/mL

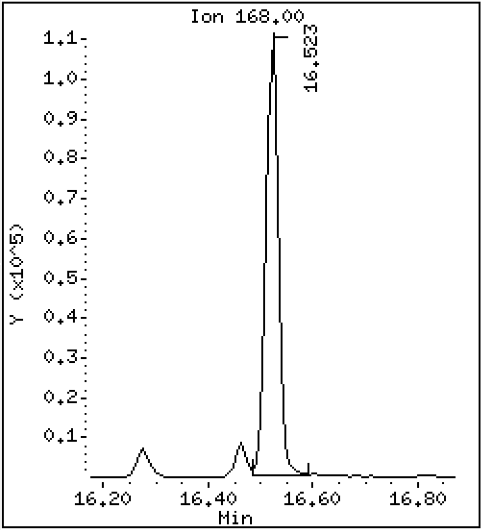

Scan 1519 (16.523 min) of NT1423010633.D


Scan 1519 (16.523 min) of NT1423010633.D (Subtracted)


54 N-Nitrosodiphenylamine (Reference Spectrum)


Scan 1519 (16.523 min) of NT1423010633.D (% DIFFERENCE)


Ion 169.00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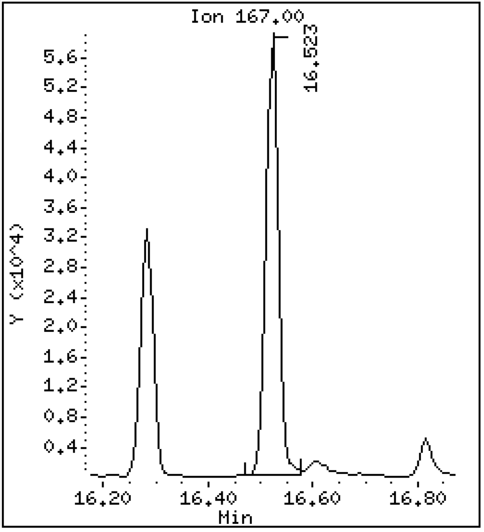

Ion 167.00

Data File: \\target\share\chem3\nt14.i\20230106.b\NT1423010633.D

Date : 07-JAN-2023 06:51

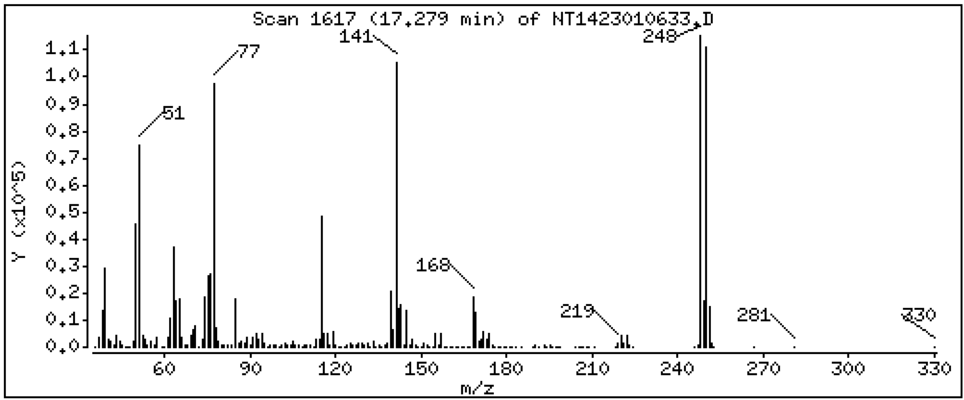
Client ID:
Instrument: nt14.i

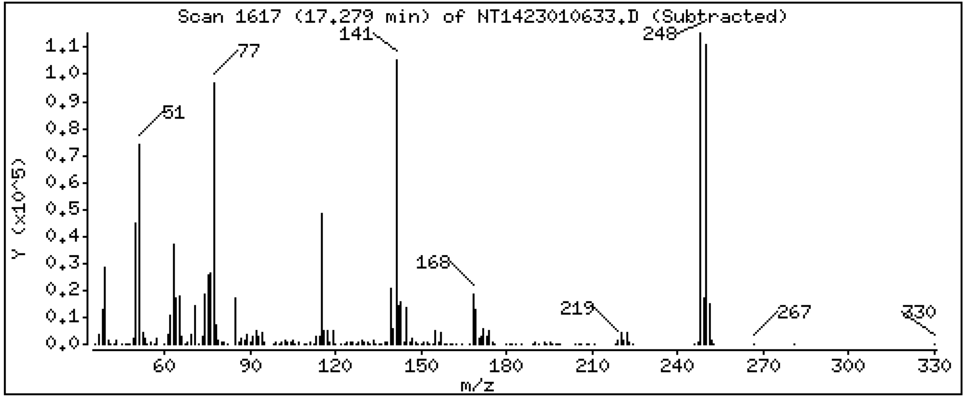
Sample Info: BKL0585-SRM1

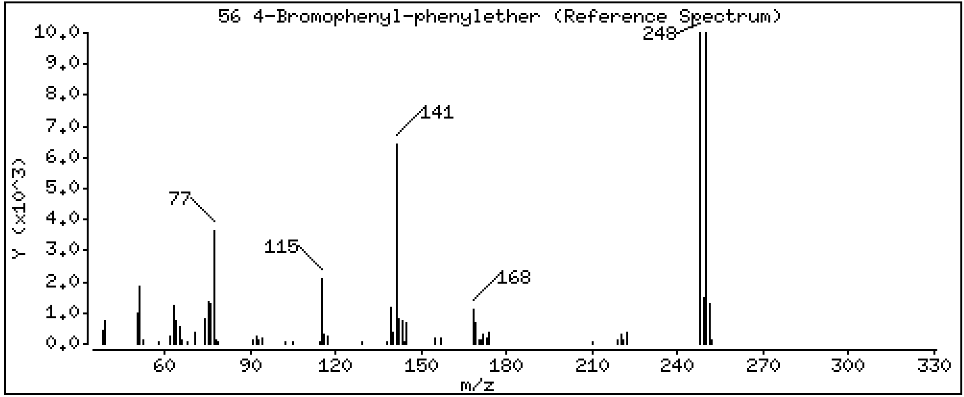
Operator: VTS

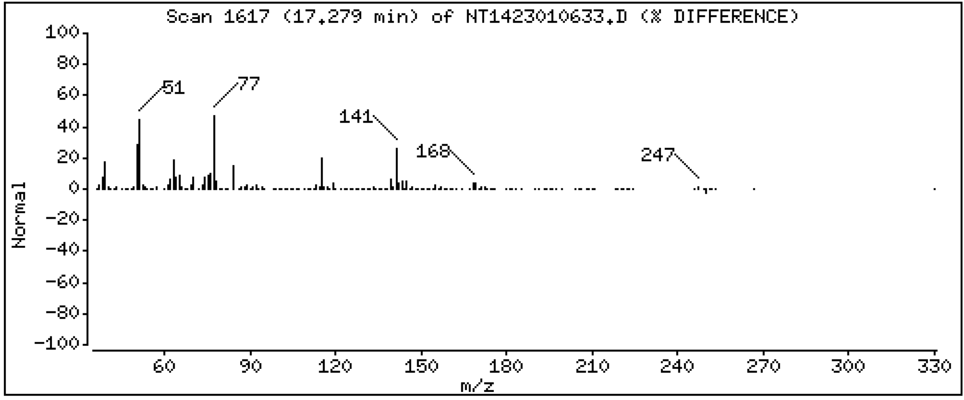
Column phase: ZB-5msi
Column diameter: 0.25

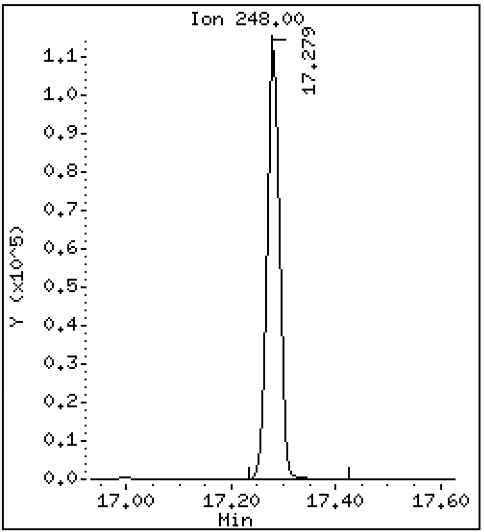
56 4-Bromophenyl-phenylether
Concentration: 8.760 ug/mL

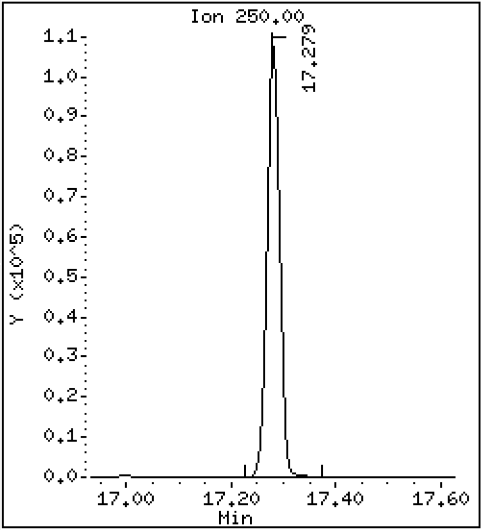

Scan 1617 (17.279 min) of NT1423010633.D

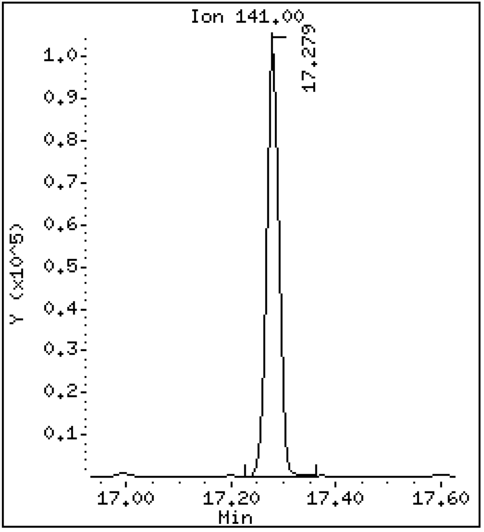

Scan 1617 (17.279 min) of NT1423010633.D (Subtracted)


56 4-Bromophenyl-phenylether (Reference Spectrum)


Scan 1617 (17.279 min) of NT1423010633.D (% DIFFERENCE)


Ion 248.00


Ion 250.00


Ion 141.00

Data File: \\target\share\chem3\nt14.i\20230106.b\NT1423010633.D

Date : 07-JAN-2023 06:51

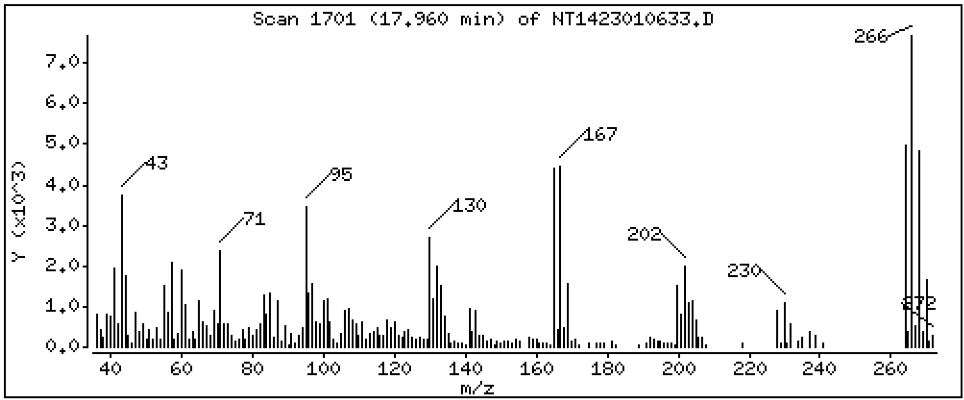
Client ID: Instrument: nt14.i

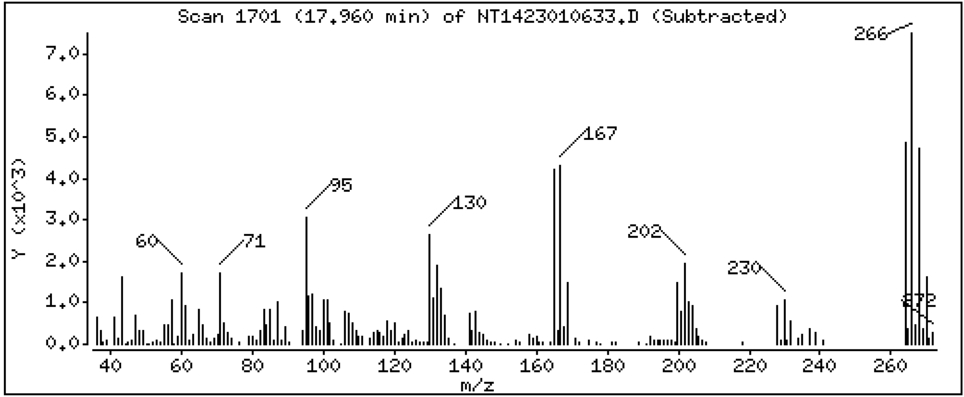
Sample Info: BKL0585-SRM1

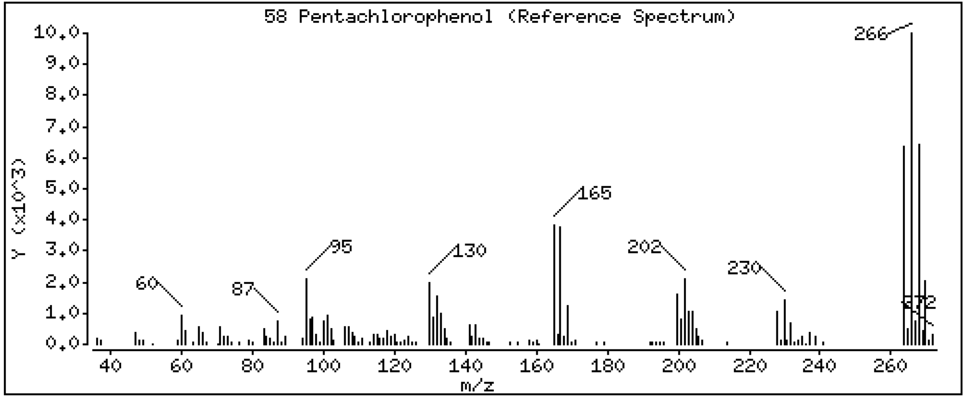
Operator: VTS

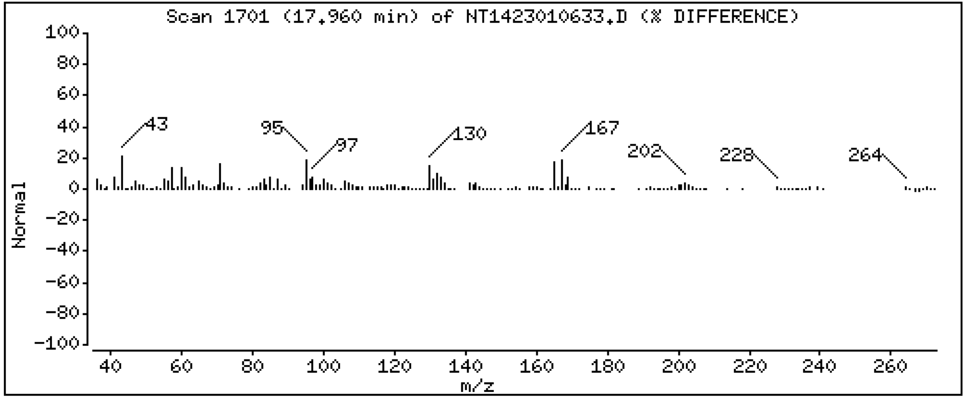
Column phase: ZB-5msi Column diameter: 0.25

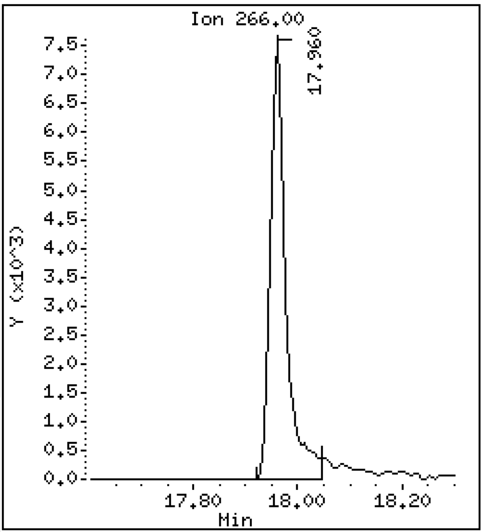
58 Pentachlorophenol Concentration: 1.458 ug/mL

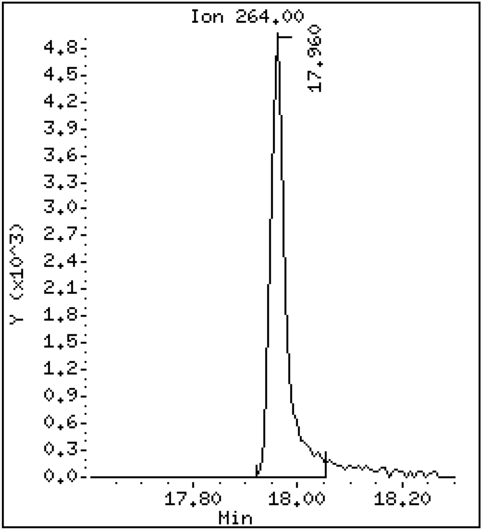


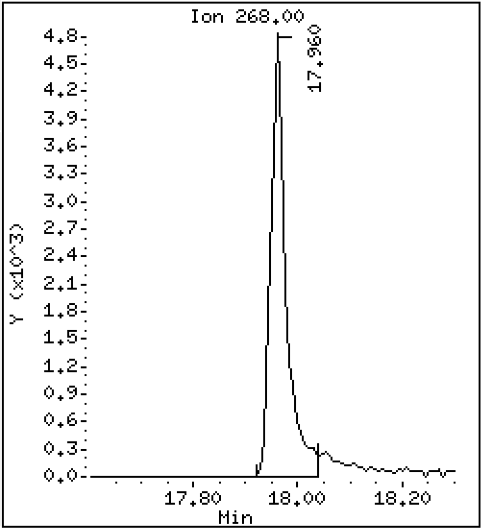












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Date : 07-JAN-2023 06:51

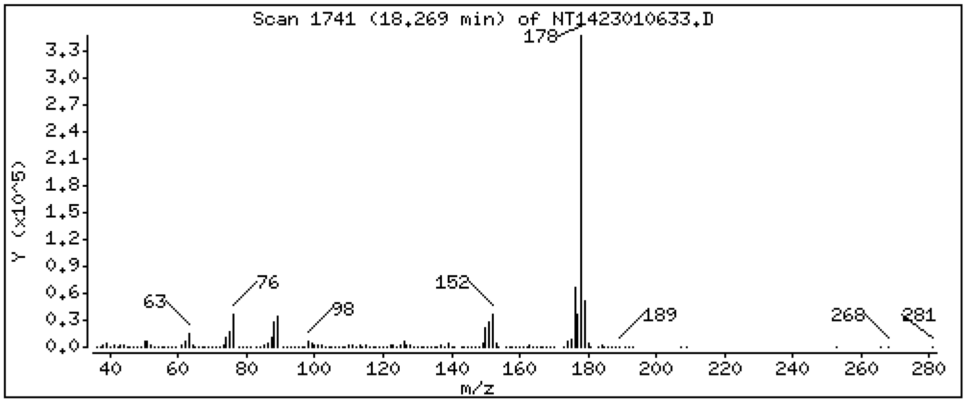
Client ID: Instrument: nt14.i

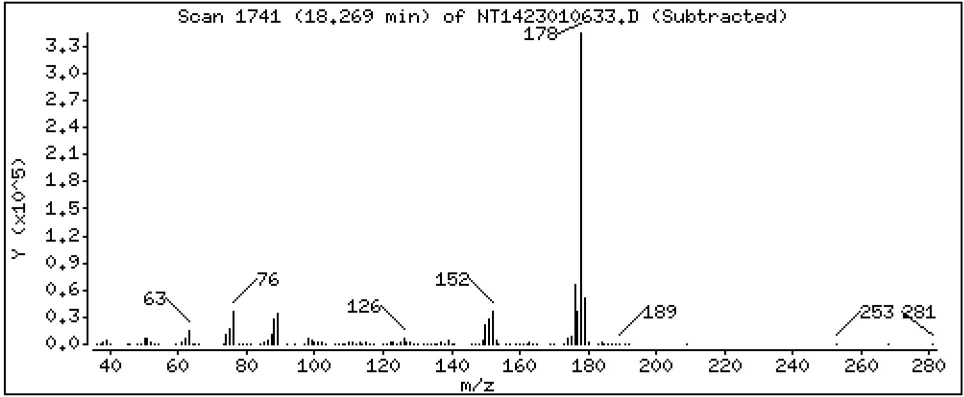
Sample Info: BKL0585-SRM1

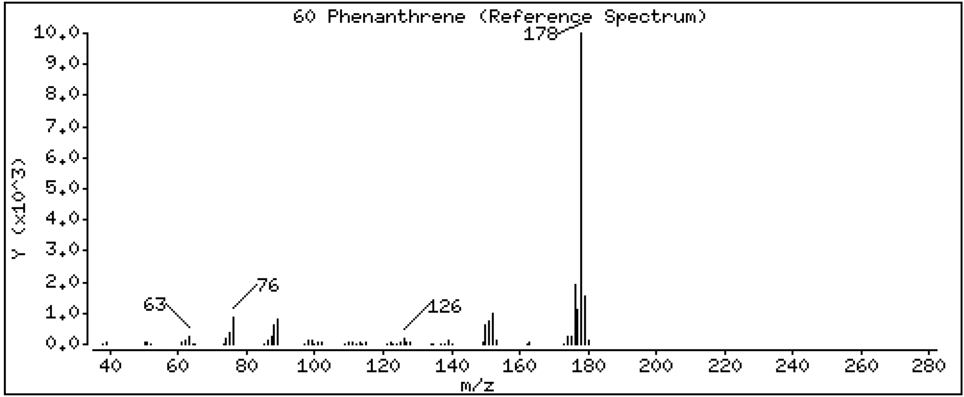
Operator: VTS

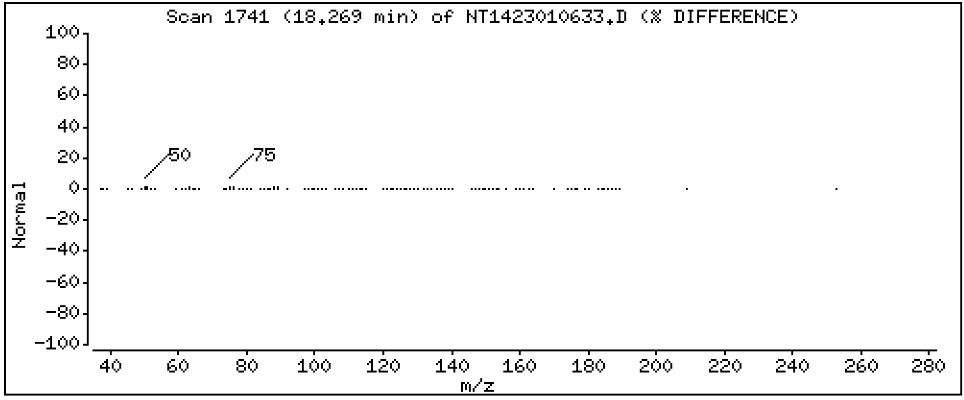
Column phase: ZB-5msi Column diameter: 0.25

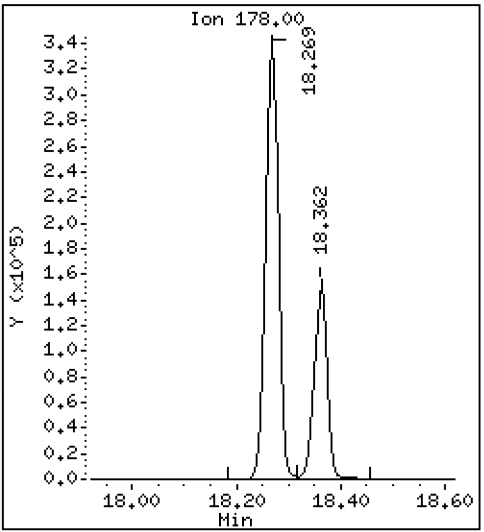
60 Phenanthrene Concentration: 6.158 ug/mL

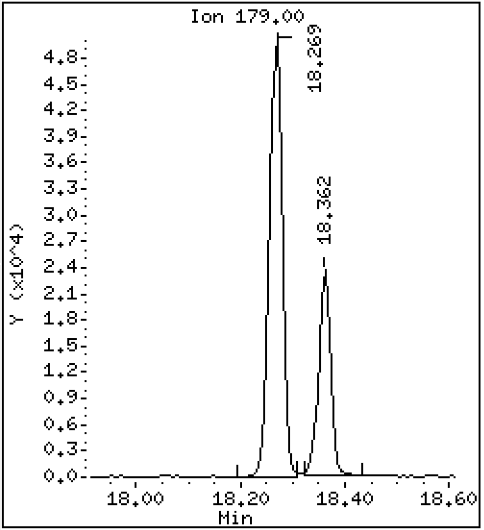

Scan 1741 (18.269 min) of NT1423010633.D

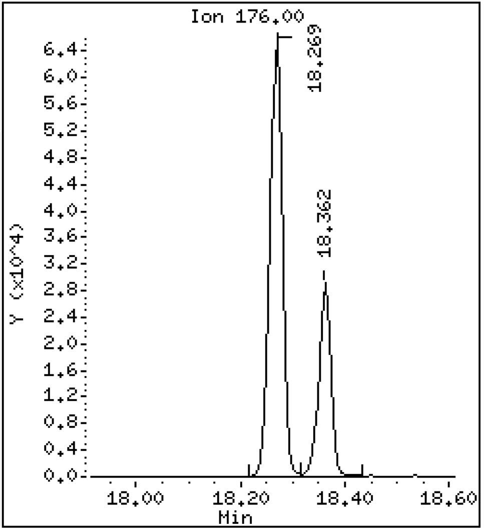

Scan 1741 (18.269 min) of NT1423010633.D (Subtracted)


60 Phenanthrene (Reference Spectrum)


Scan 1741 (18.269 min) of NT1423010633.D (% DIFFERENCE)


Ion 178.00


Ion 179.00


Ion 176.00

Data File: \\target\share\chem3\nt14.i\20230106.b\NT1423010633.D

Date : 07-JAN-2023 06:51

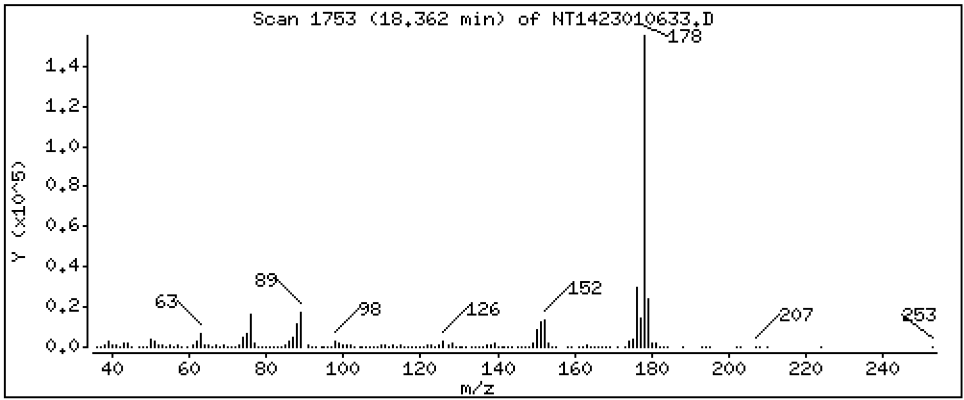
Client ID: Instrument: nt14.i

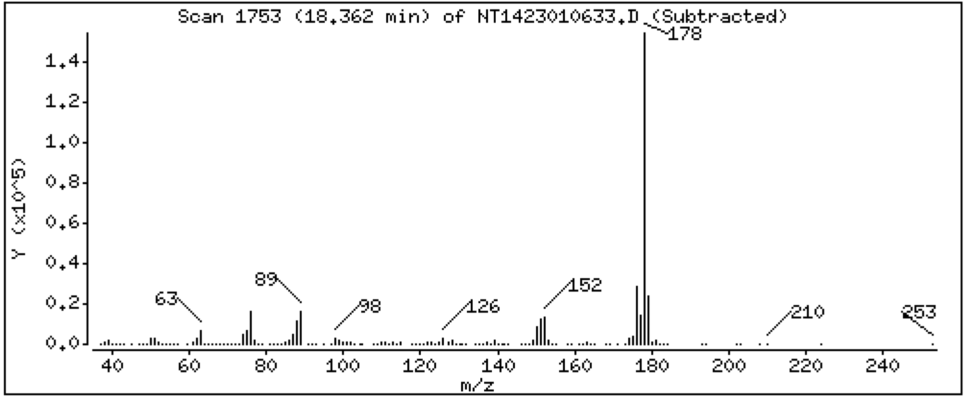
Sample Info: BKL0585-SRM1

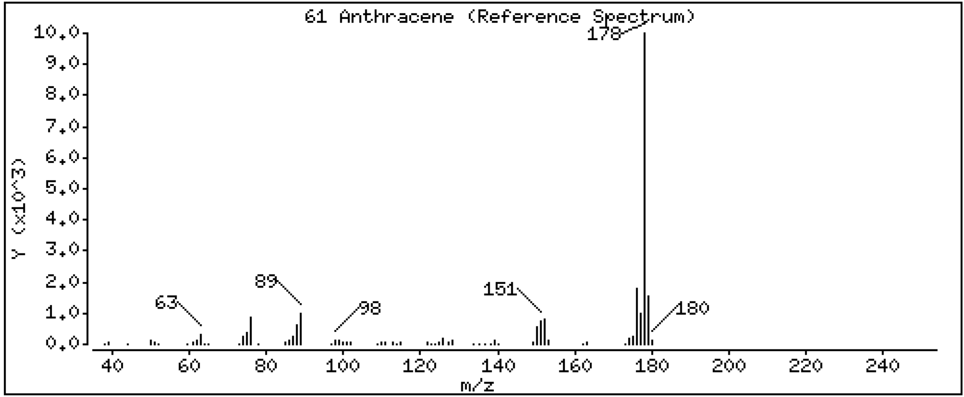
Operator: VTS

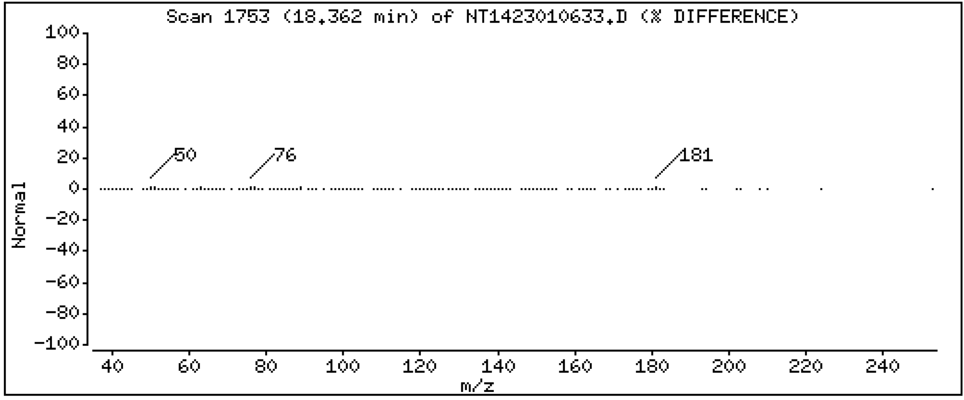
Column phase: ZB-5msi Column diameter: 0.25

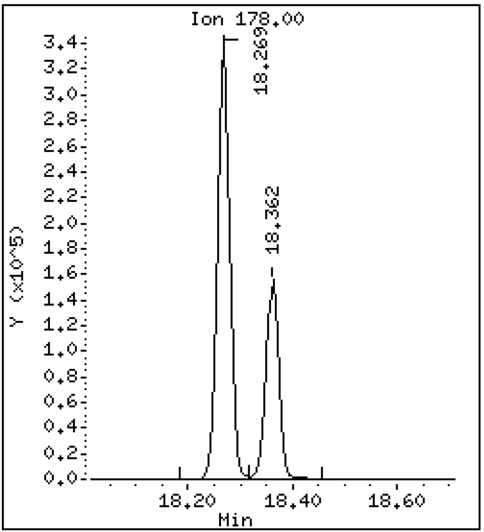
61 Anthracene Concentration: 2.961 ug/mL

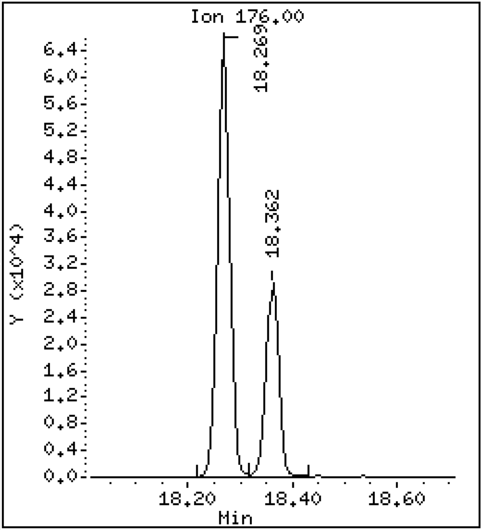


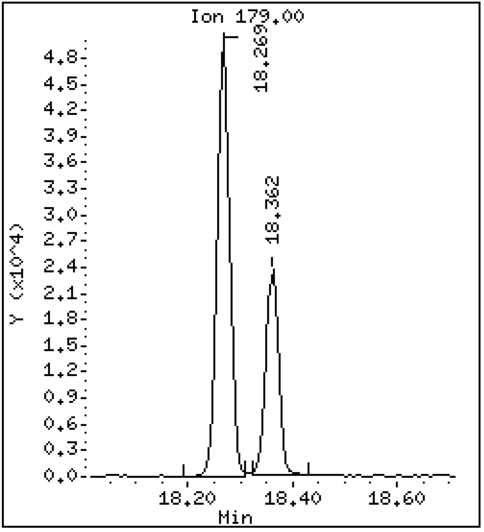












Data File: \\target\share\chem3\nt14.i\20230106.b\NT1423010633.D

Date : 07-JAN-2023 06:51

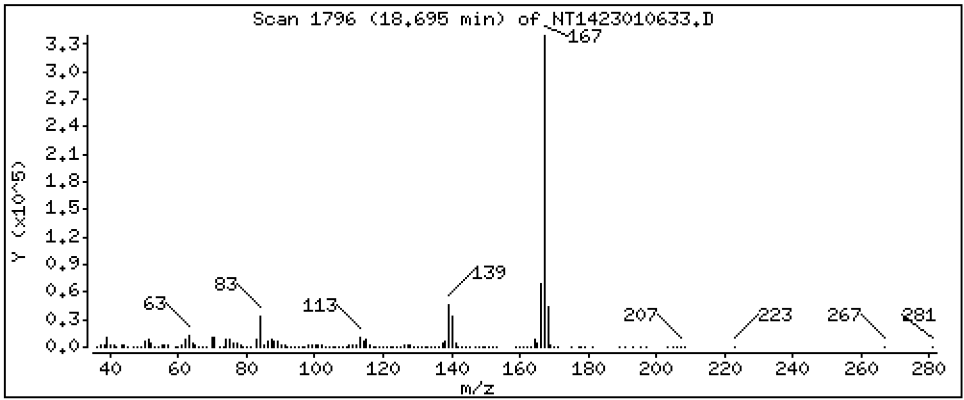
Client ID: Instrument: nt14.i

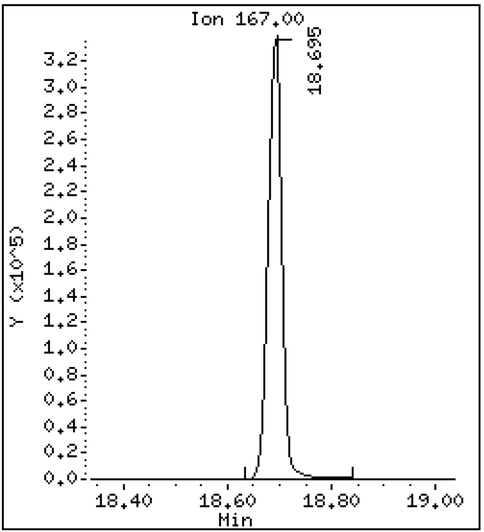
Sample Info: BKL0585-SRM1

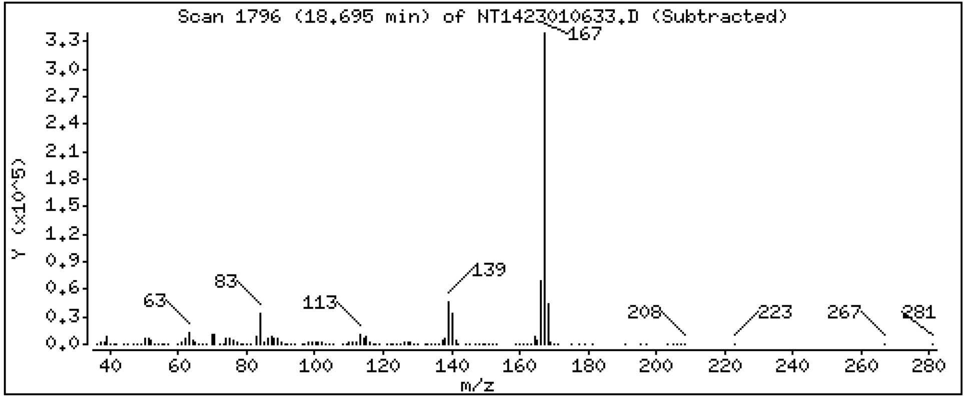
Operator: VTS

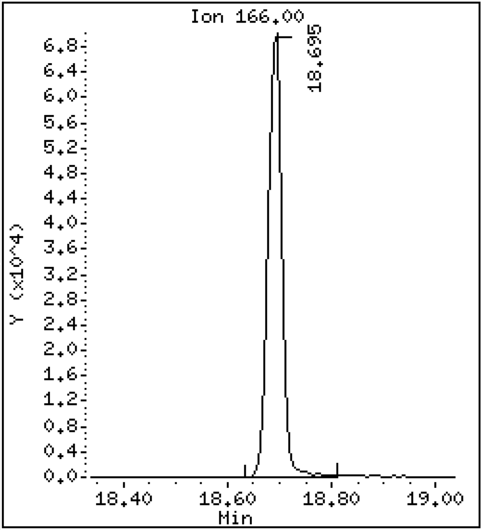
Column phase: ZB-5msi Column diameter: 0.25

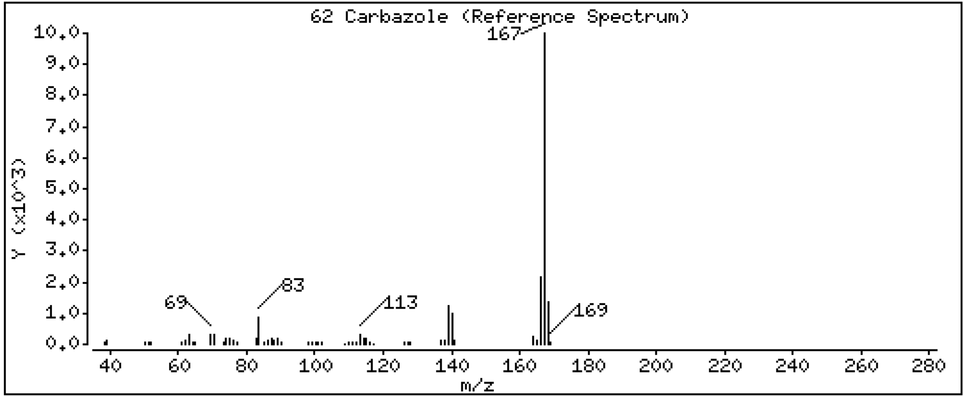
62 Carbazole Concentration: 7.226 ug/mL

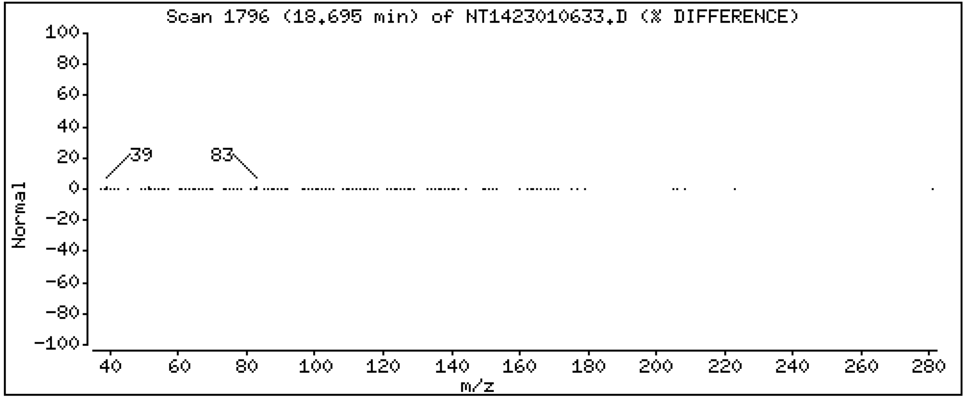

Scan 1796 (18.695 min) of NT1423010633.D

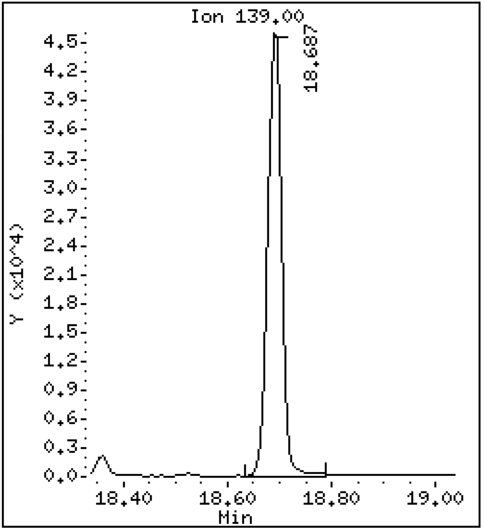

Ion 167.00


Scan 1796 (18.695 min) of NT1423010633.D (Subtracted)


Ion 166.00


62 Carbazole (Reference Spectrum)


Scan 1796 (18.695 min) of NT1423010633.D (% DIFFERENCE)


Ion 139.00

Data File: \\target\share\chem3\nt14.i\20230106.b\NT1423010633.D

Date : 07-JAN-2023 06:51

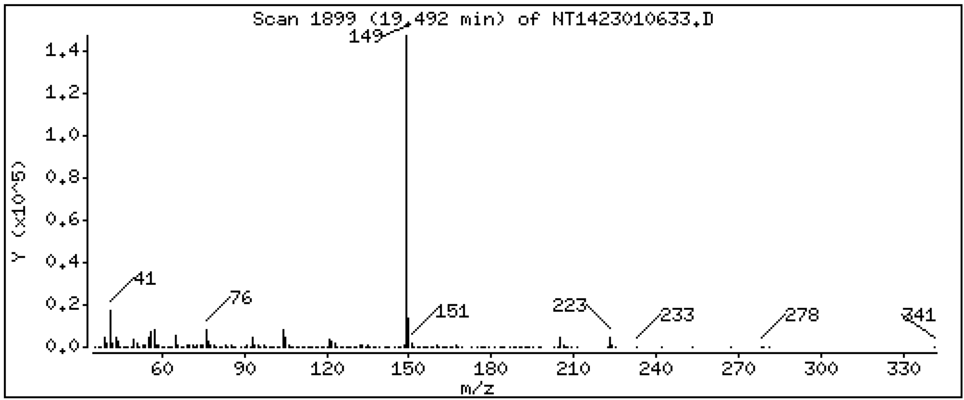
Client ID: Instrument: nt14.i

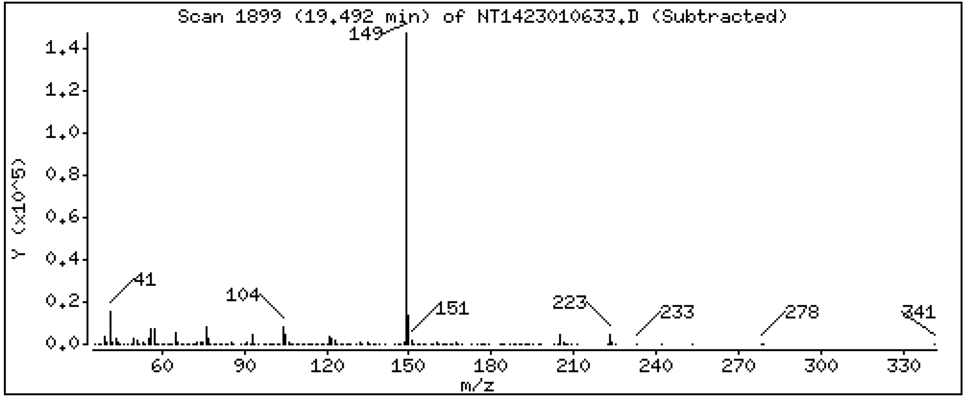
Sample Info: BKL0585-SRM1

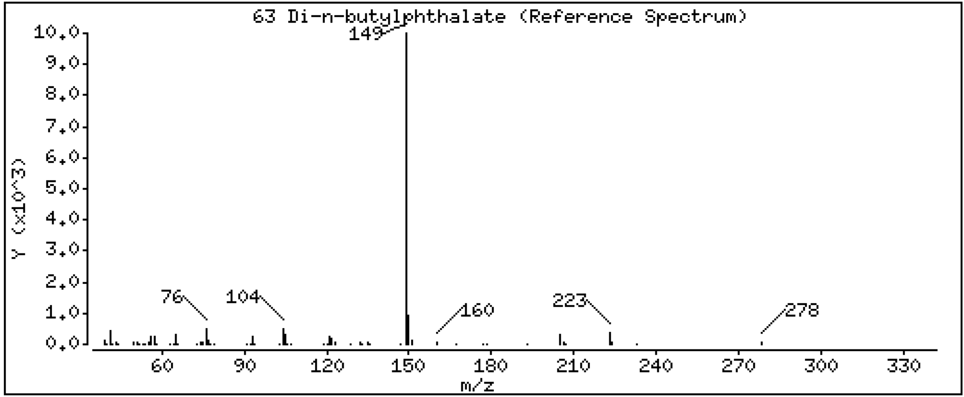
Operator: VTS

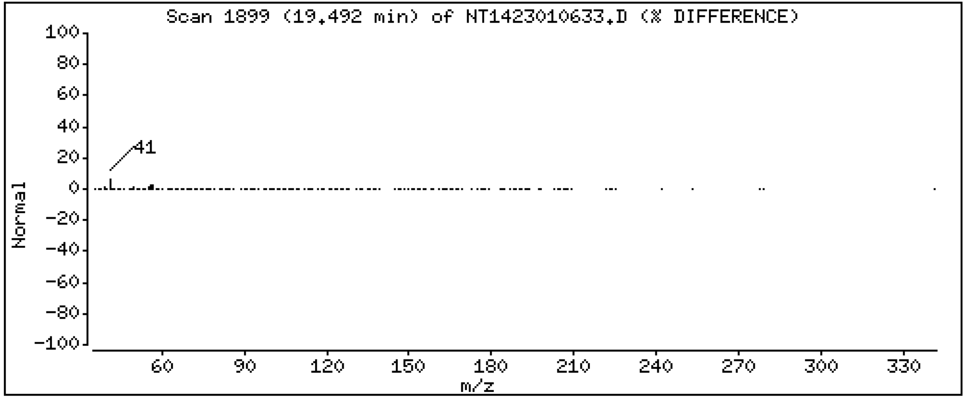
Column phase: ZB-5msi Column diameter: 0.25

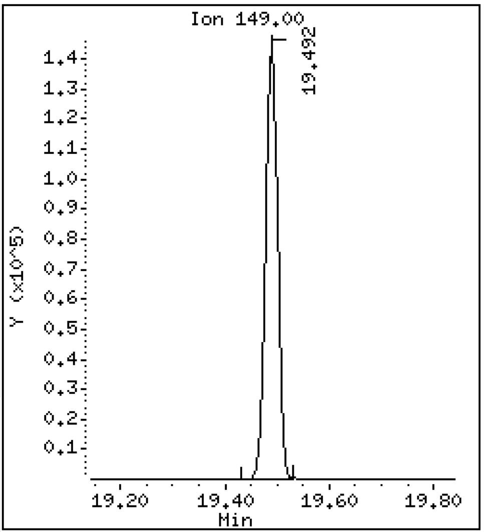
63 Di-n-butylphthalate Concentration: 2.310 ug/mL

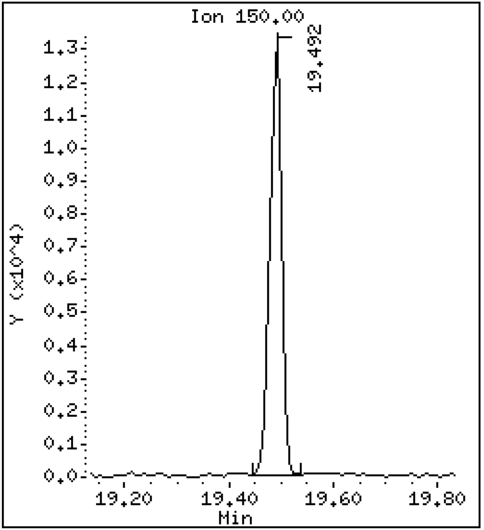

Scan 1899 (19.492 min) of NT1423010633.D

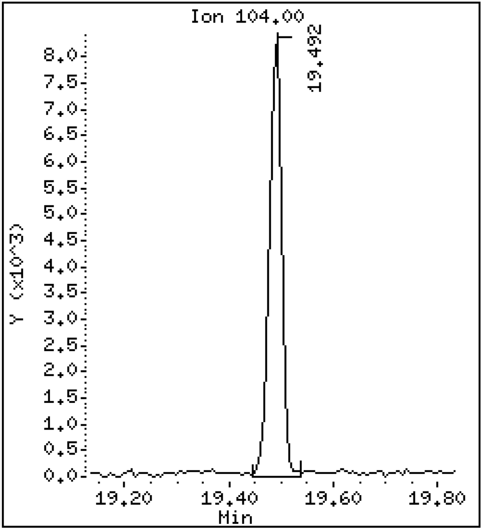

Scan 1899 (19.492 min) of NT1423010633.D (Subtracted)


63 Di-n-butylphthalate (Reference Spectrum)


Scan 1899 (19.492 min) of NT1423010633.D (% DIFFERENCE)


Ion 149.00


Ion 150.00


Ion 104.00

Data File: \\target\share\chem3\nt14.i\20230106.b\NT1423010633.D

Date : 07-JAN-2023 06:51

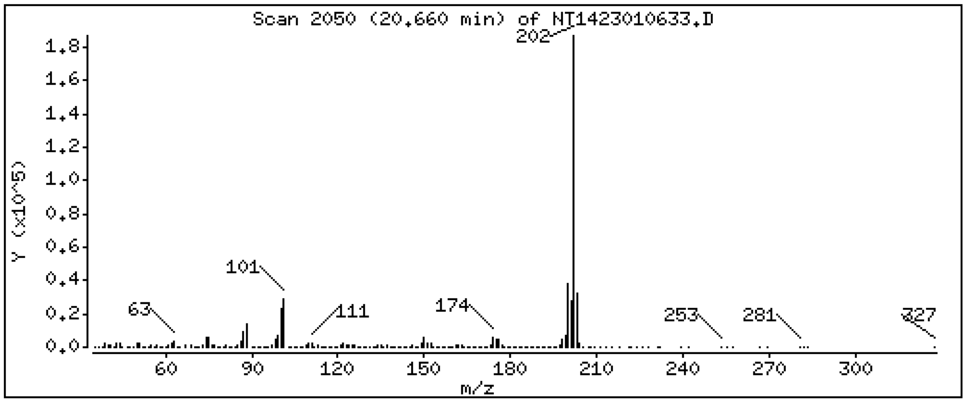
Client ID: Instrument: nt14.i

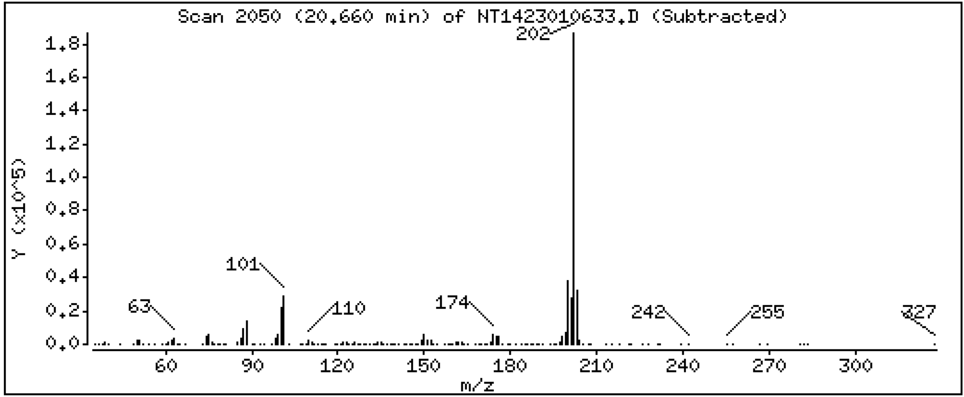
Sample Info: BKL0585-SRM1

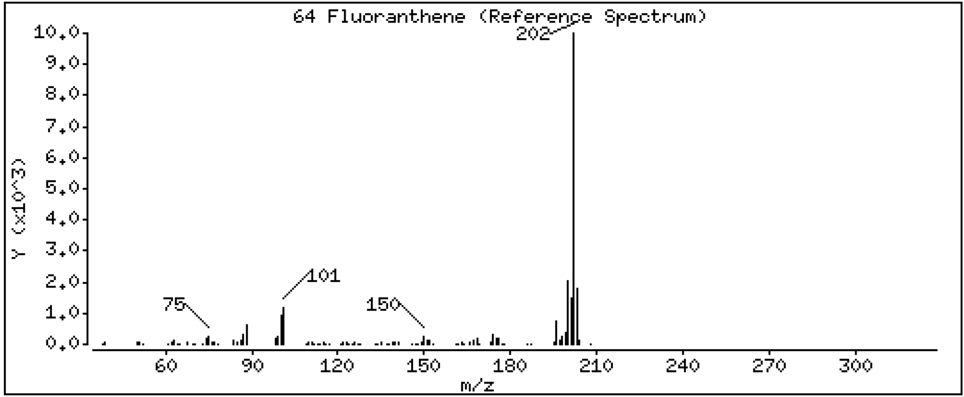
Operator: VTS

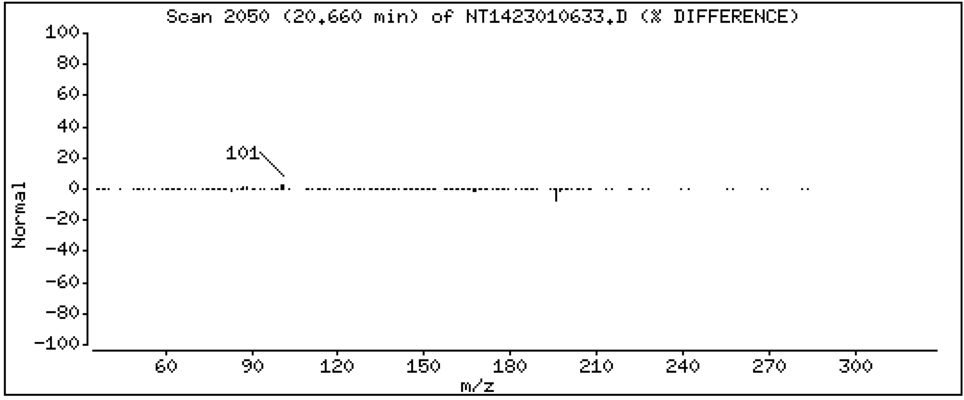
Column phase: ZB-5msi Column diameter: 0.25

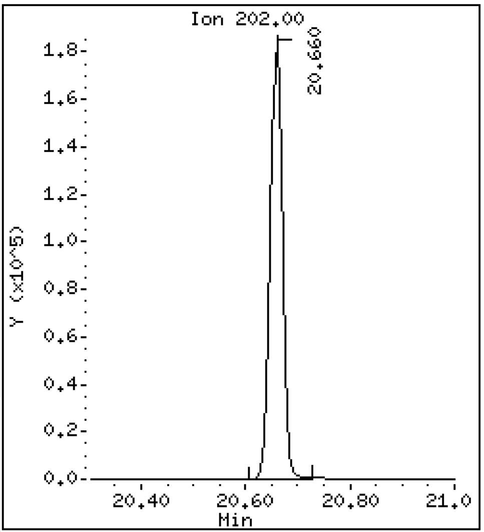
64 Fluoranthene Concentration: 3.376 ug/mL

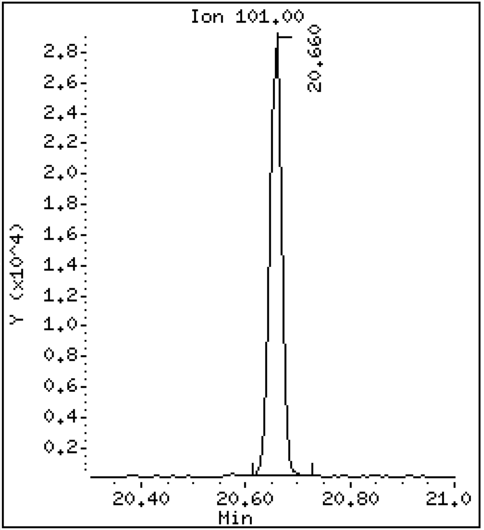

Scan 2050 (20.660 min) of NT1423010633.D

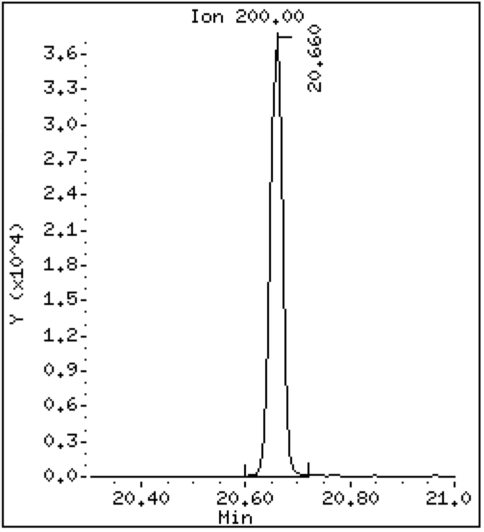

Scan 2050 (20.660 min) of NT1423010633.D (Subtracted)


64 Fluoranthene (Reference Spectrum)


Scan 2050 (20.660 min) of NT1423010633.D (% DIFFERENCE)


Ion 202.00


Ion 101.00


Ion 200.00

Data File: \\target\share\chem3\nt14.i\20230106.b\NT1423010633.D

Date : 07-JAN-2023 06:51

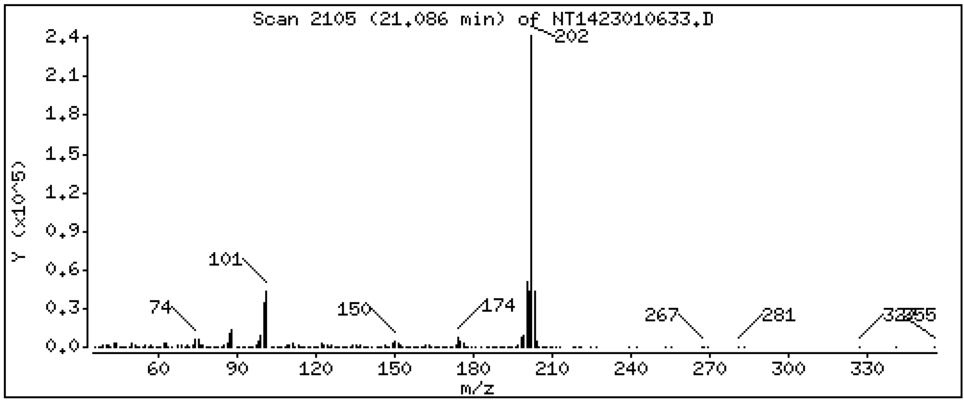
Client ID: Instrument: nt14.i

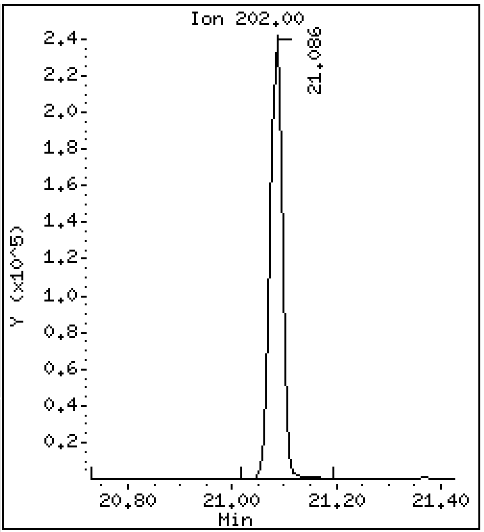
Sample Info: BKL0585-SRM1

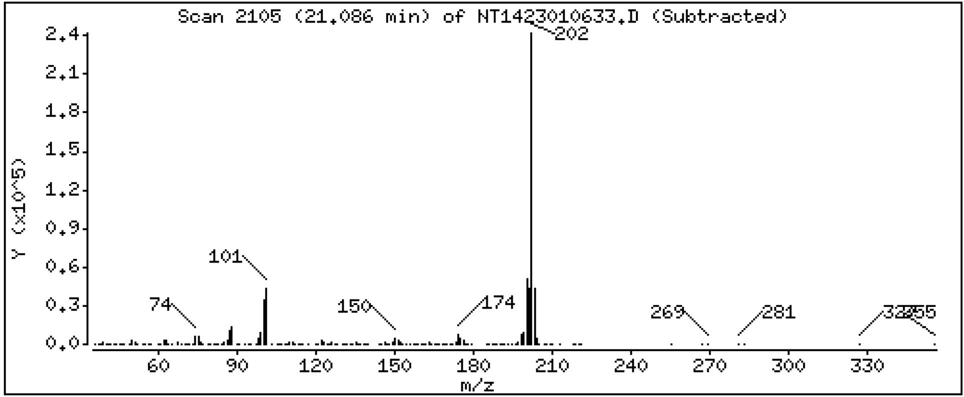
Operator: VTS

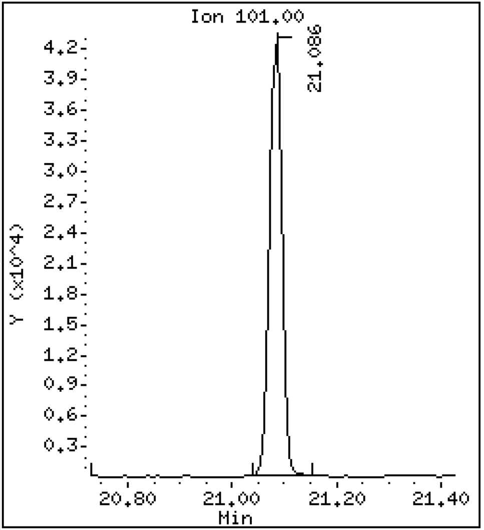
Column phase: ZB-5msi Column diameter: 0.25

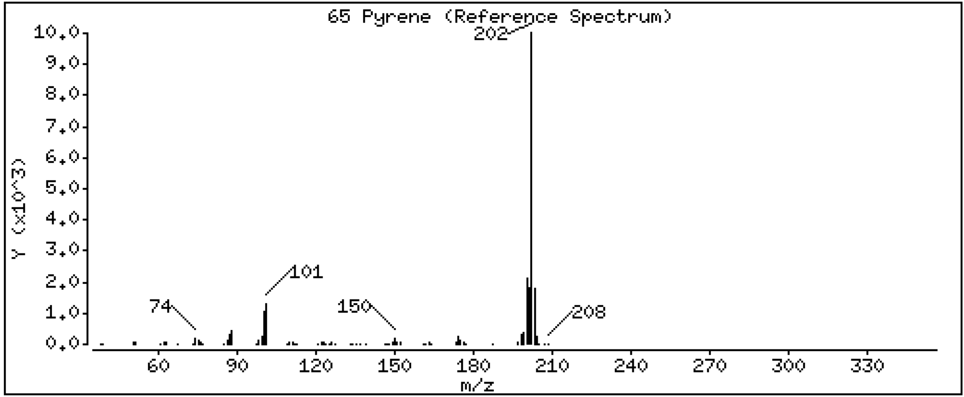
65 Pyrene Concentration: 4.214 ug/mL

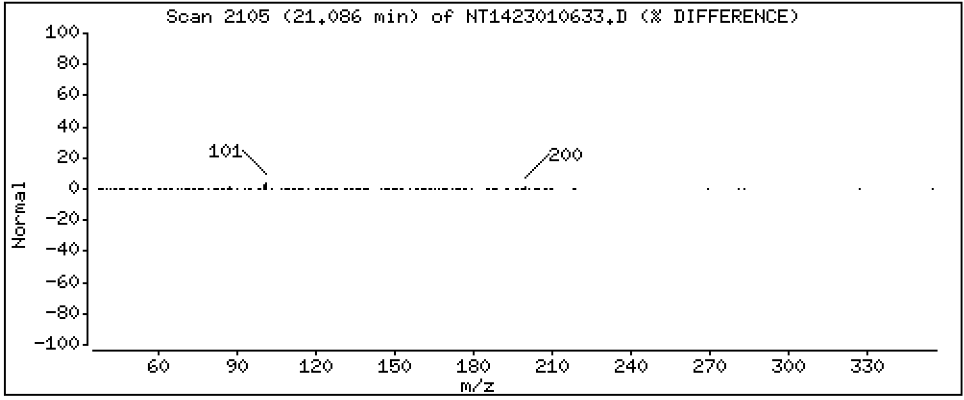


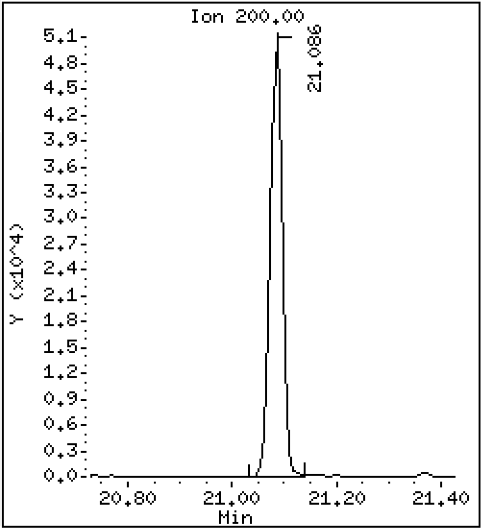












Data File: \\target\share\chem3\nt14.i\20230106.b\NT1423010633.D

Date : 07-JAN-2023 06:51

Client ID:

Instrument: nt14.i

Sample Info: BKL0585-SRM1

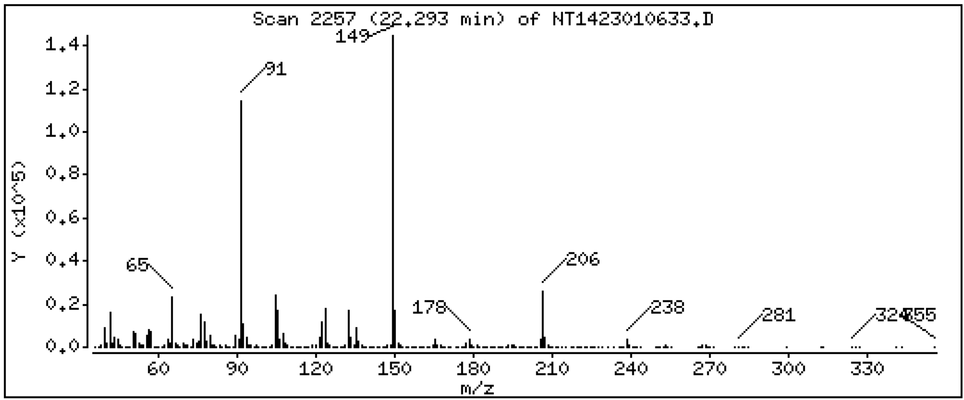
Operator: VTS

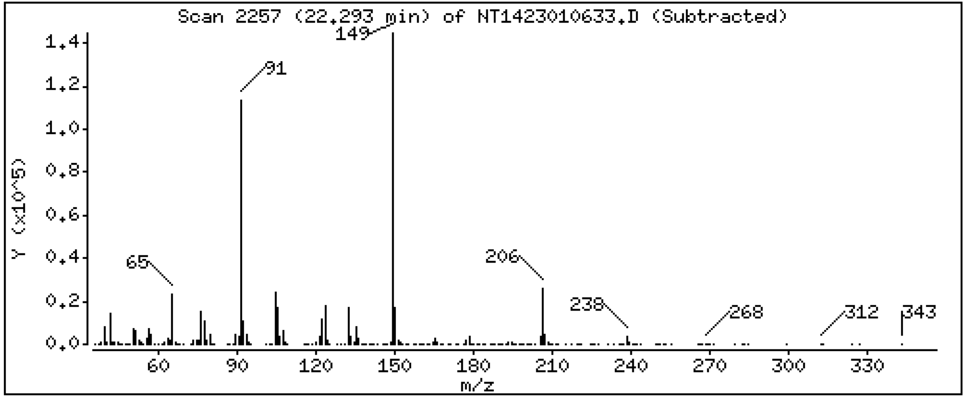
Column phase: ZB-5msi

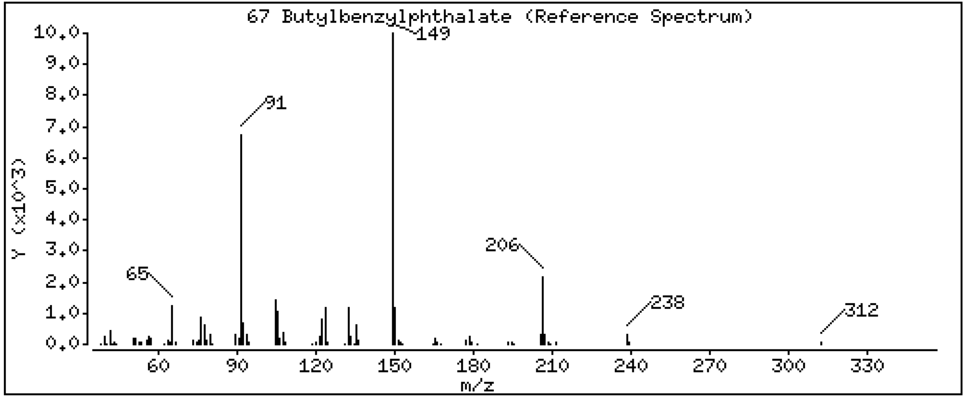
Column diameter: 0.25

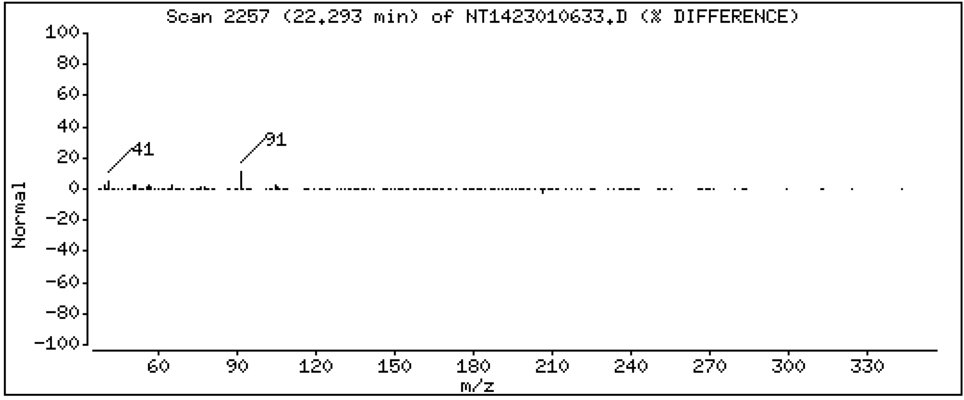
67 Butylbenzylphthalate

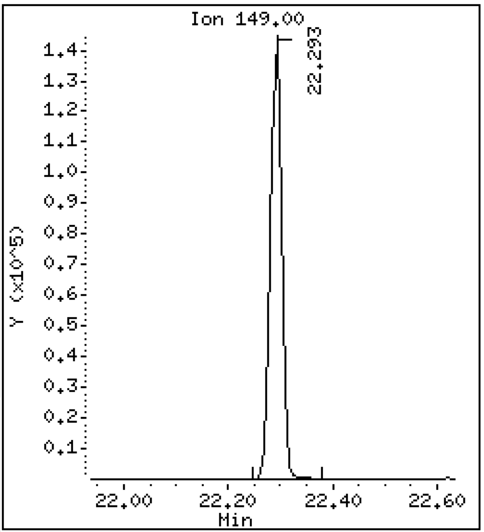
Concentration: 5.899 ug/mL

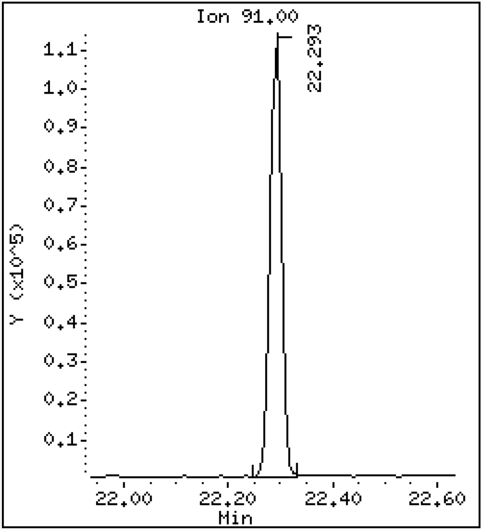

Scan 2257 (22.293 min) of NT1423010633.D

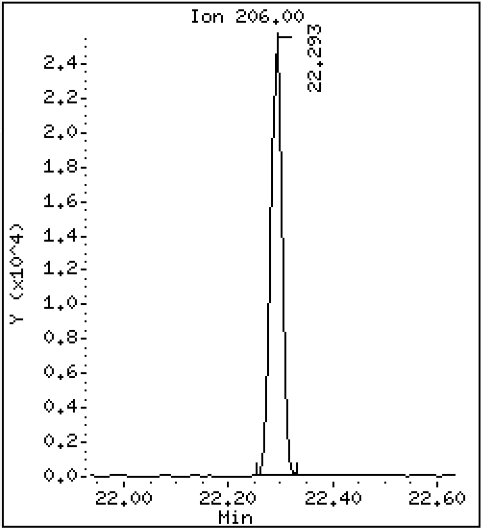

Scan 2257 (22.293 min) of NT1423010633.D (Subtracted)


67 Butylbenzylphthalate (Reference Spectrum)


Scan 2257 (22.293 min) of NT1423010633.D (% DIFFERENCE)


Ion 149.00


Ion 91.00


Ion 206.00

Data File: \\target\share\chem3\nt14.i\20230106.b\NT1423010633.D

Date : 07-JAN-2023 06:51

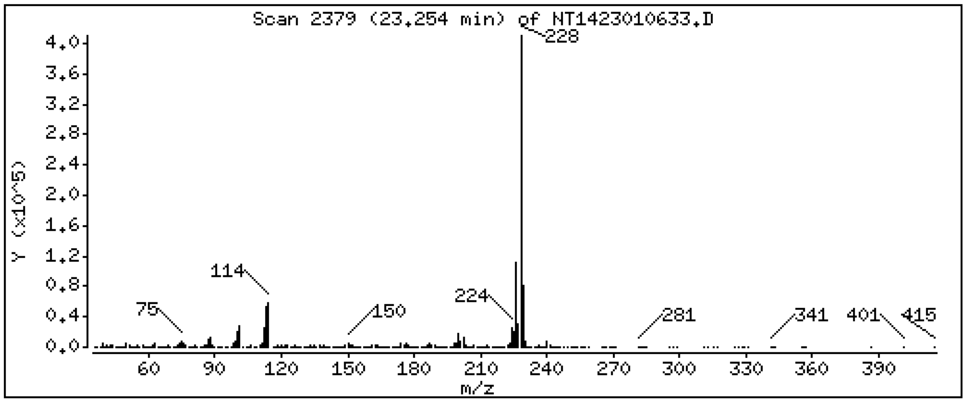
Client ID: Instrument: nt14.i

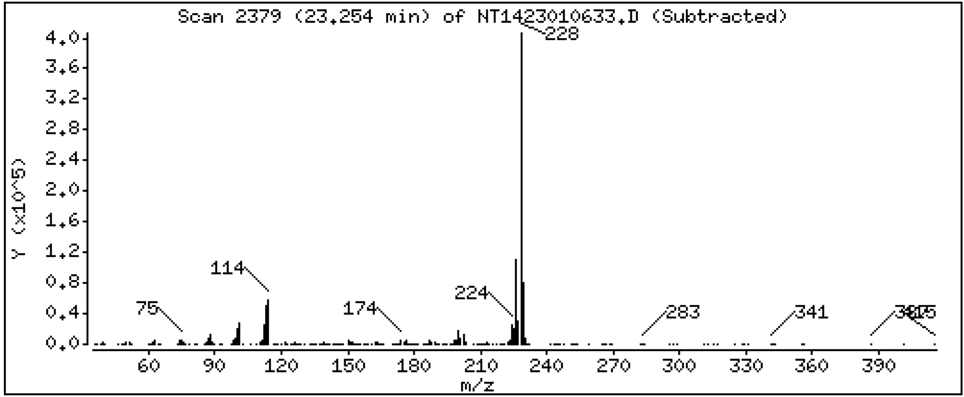
Sample Info: BKL0585-SRM1

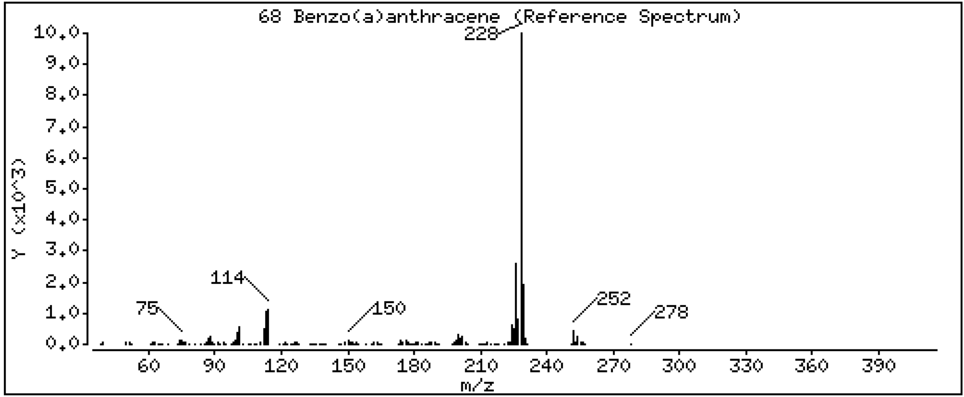
Operator: VTS

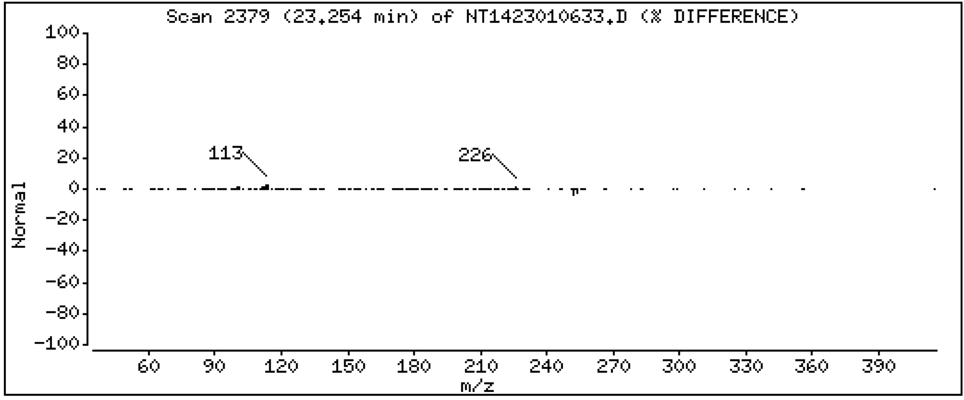
Column phase: ZB-5msi Column diameter: 0.25

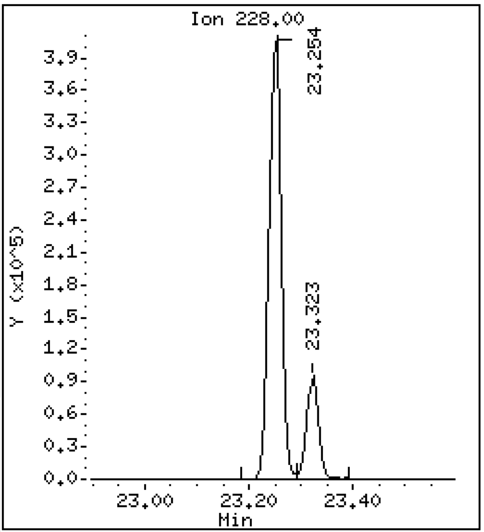
68 Benzo(a)anthracene Concentration: 8.068 ug/mL

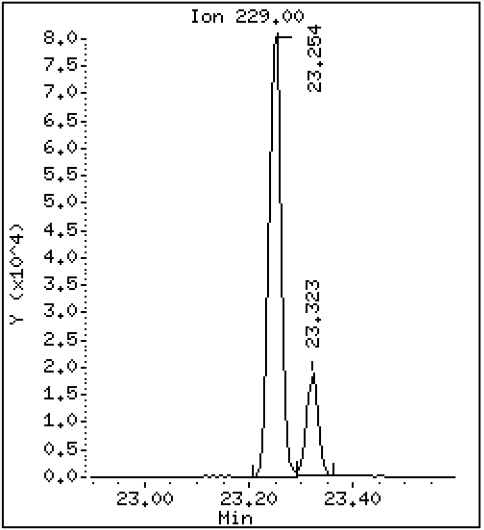


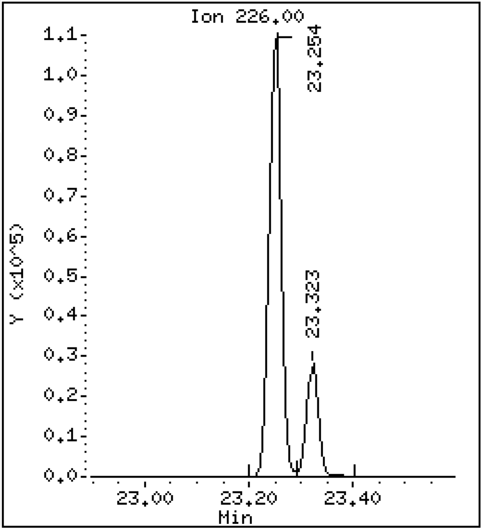












Data File: \\target\share\chem3\nt14.i\20230106.b\NT1423010633.D

Date : 07-JAN-2023 06:51

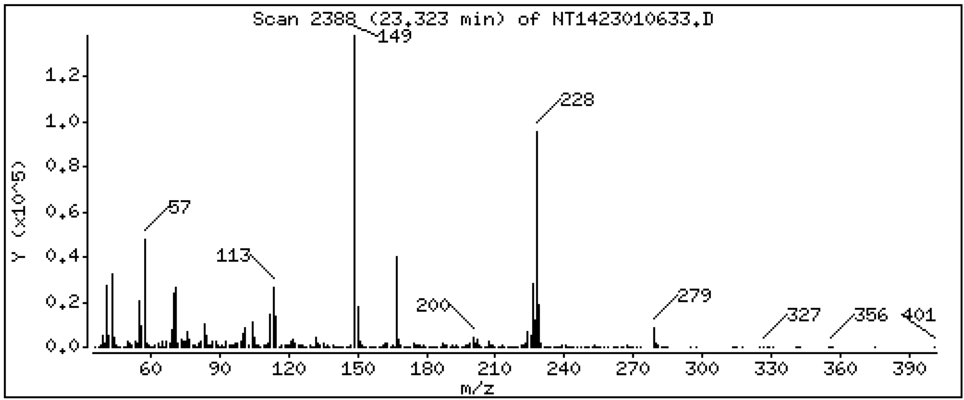
Client ID: Instrument: nt14.i

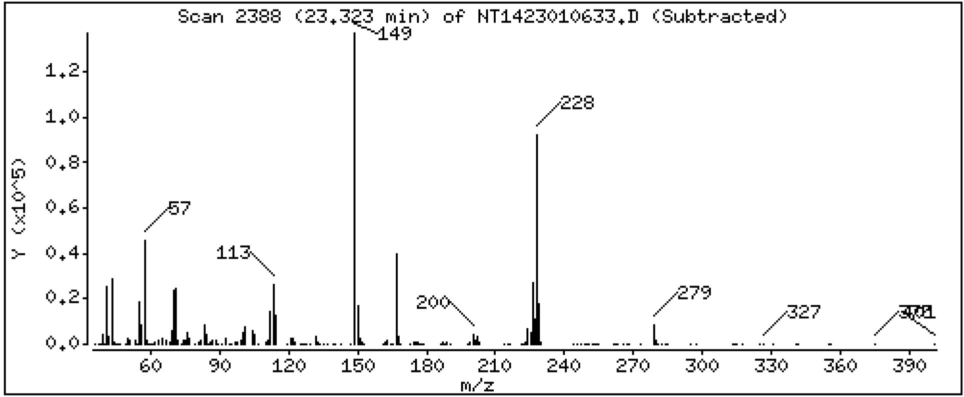
Sample Info: BKL0585-SRM1

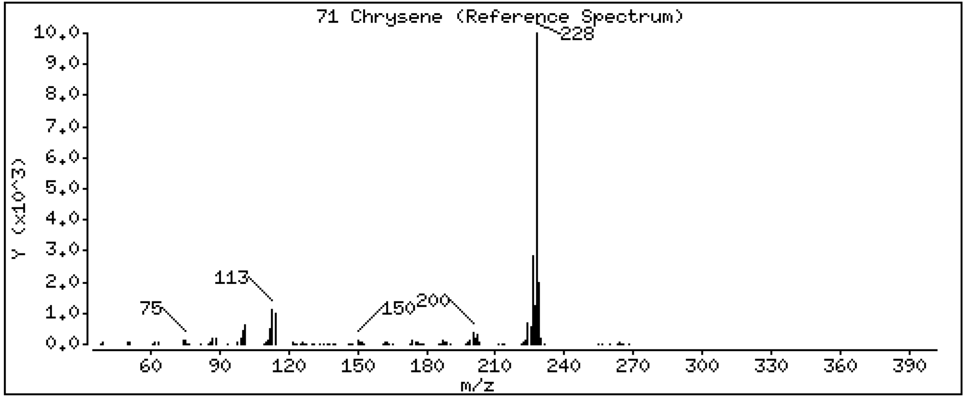
Operator: VTS

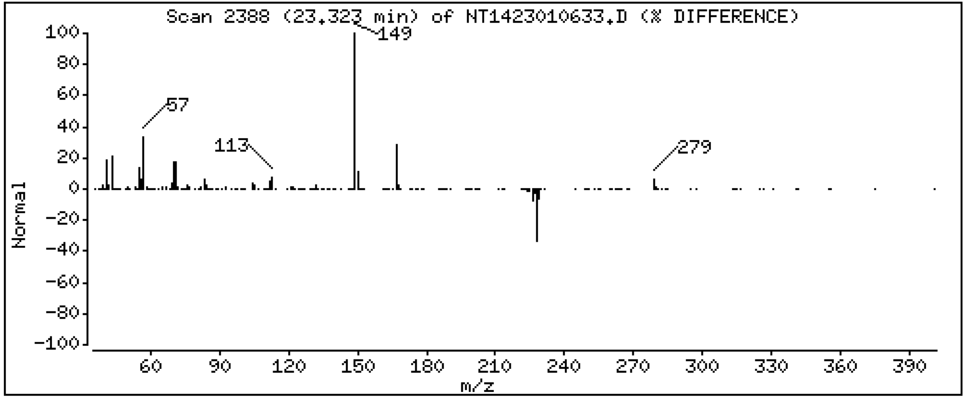
Column phase: ZB-5msi Column diameter: 0.25

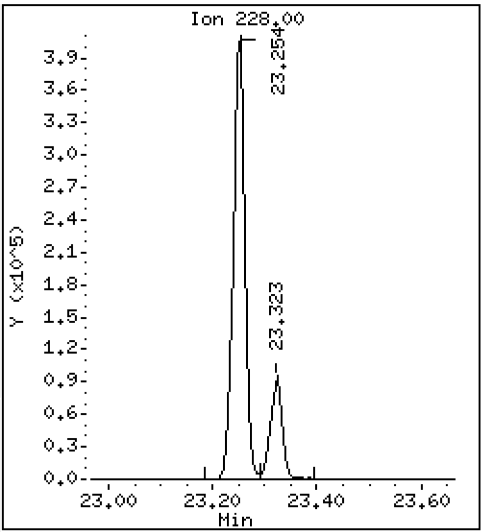
71 Chrysene Concentration: 1.867 ug/mL

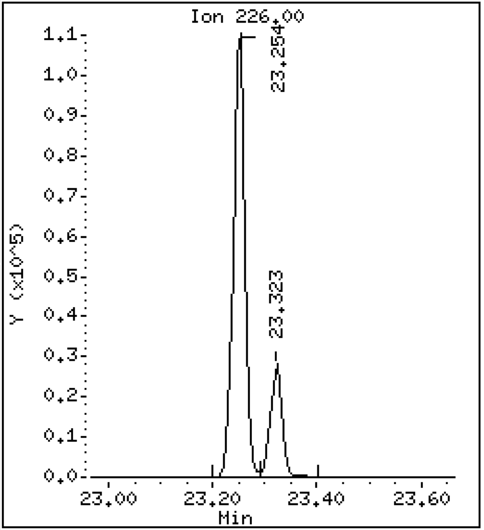


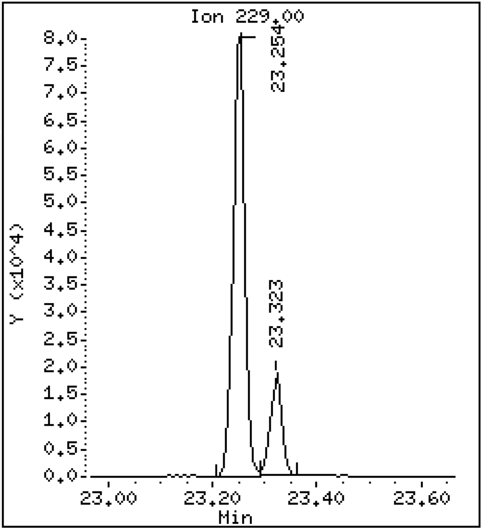












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Date : 07-JAN-2023 06:51

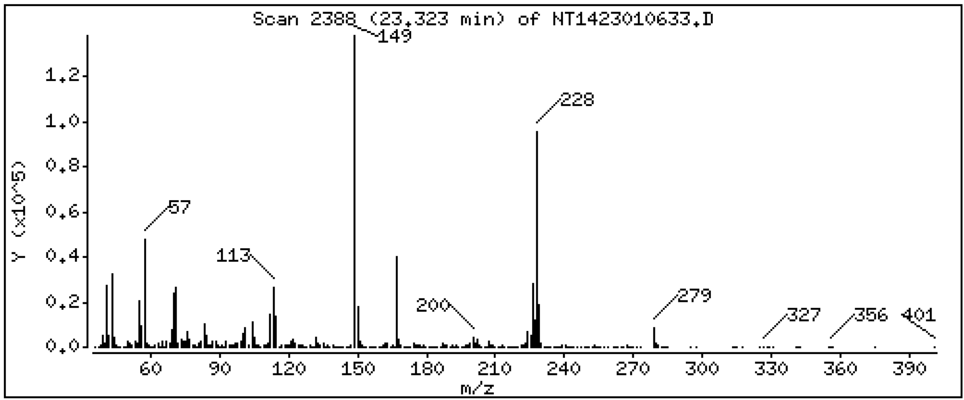
Client ID: Instrument: nt14.i

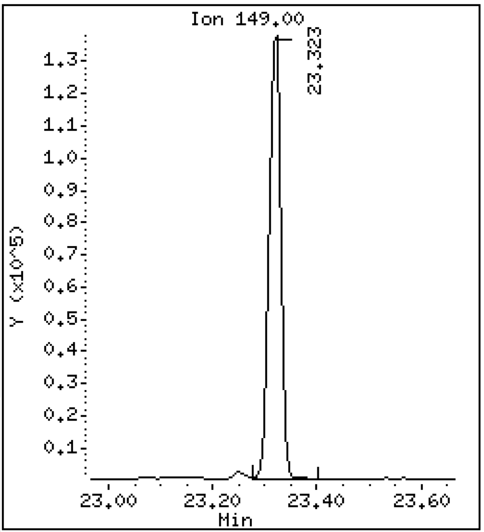
Sample Info: BKL0585-SRM1

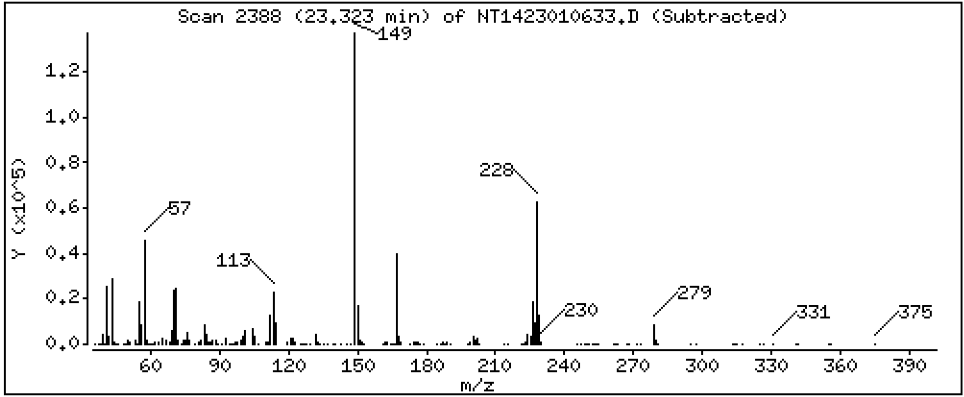
Operator: VTS

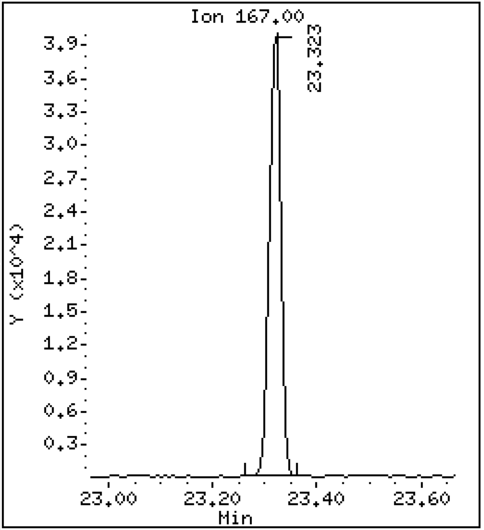
Column phase: ZB-5msi Column diameter: 0.25

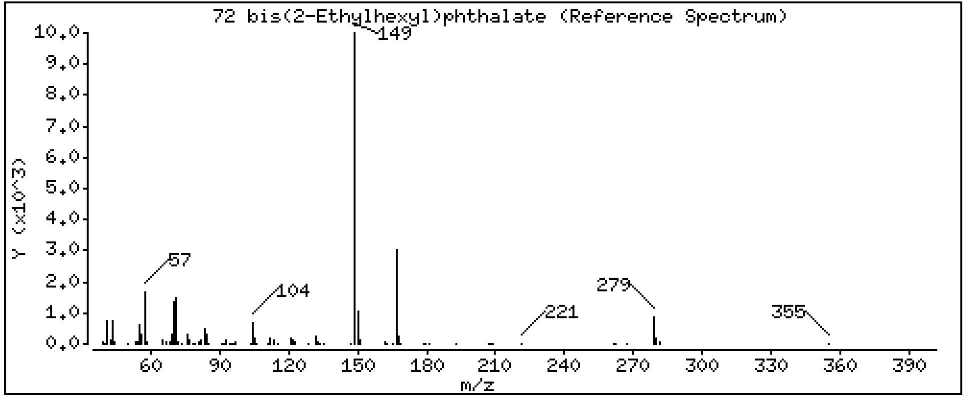
72 bis(2-Ethylhexyl)phthalate Concentration: 3.588 ug/mL

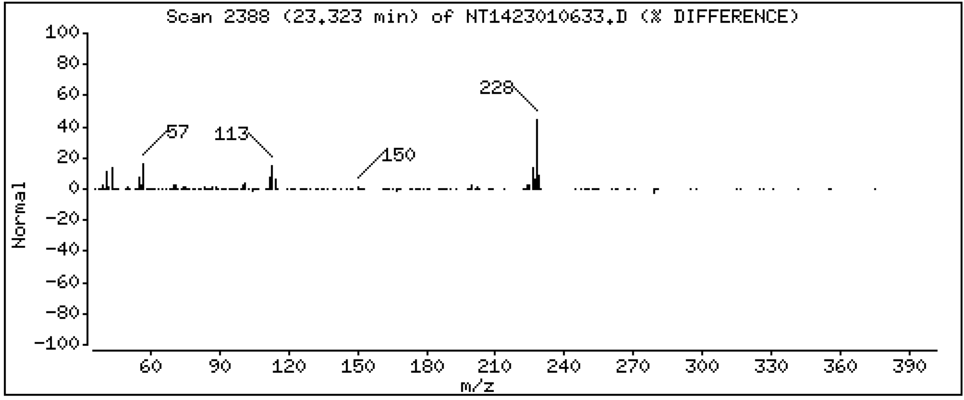

Scan 2388 (23.323 min) of NT1423010633.D

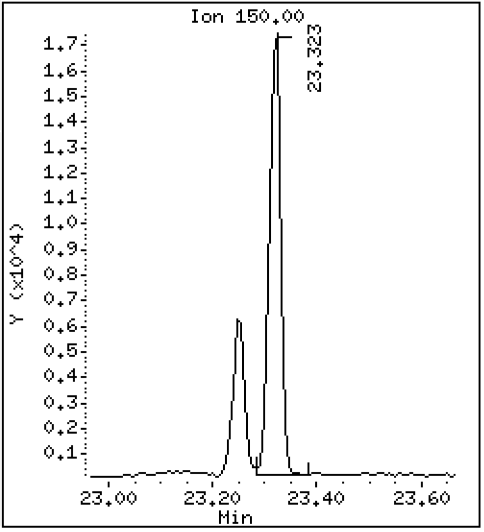

Ion 149.00


Scan 2388 (23.323 min) of NT1423010633.D (Subtracted)


Ion 167.00


72 bis(2-Ethylhexyl)phthalate (Reference Spectrum)


Scan 2388 (23.323 min) of NT1423010633.D (% DIFFERENCE)


Ion 150.00

Data File: \\target\share\chem3\nt14.i\20230106.b\NT1423010633.D

Date : 07-JAN-2023 06:51

Client ID:

Instrument: nt14.i

Sample Info: BKL0585-SRM1

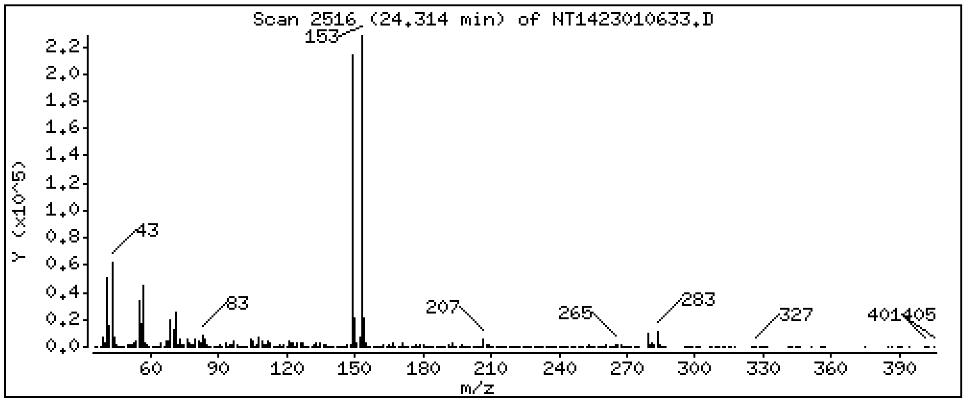
Operator: VTS

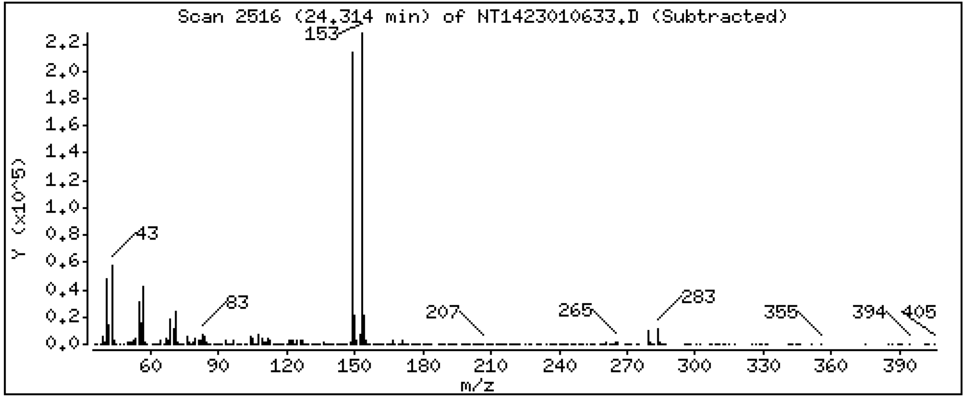
Column phase: ZB-5msi

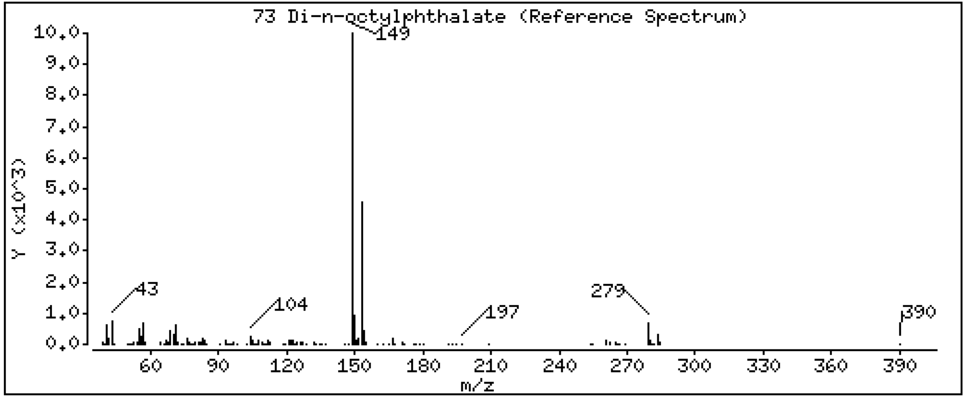
Column diameter: 0.25

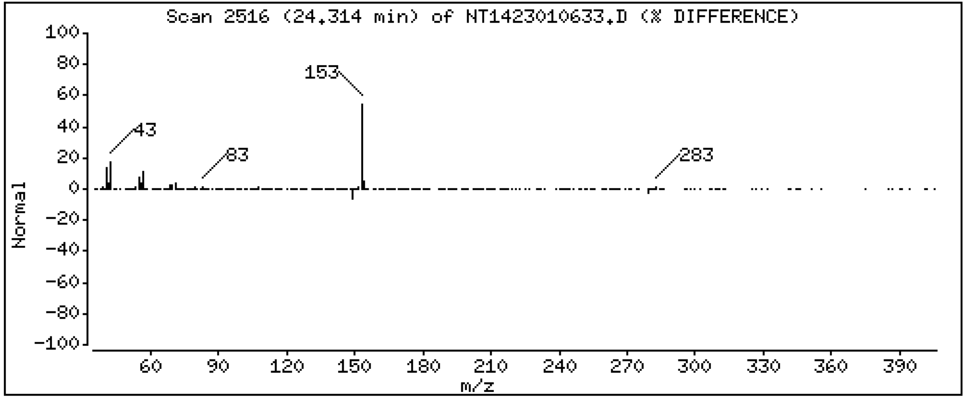
73 Di-n-octylphthalate

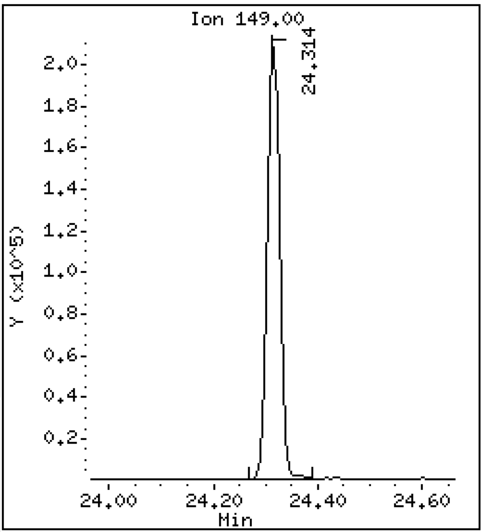
Concentration: 2.648 ug/mL


Scan 2516 (24.314 min) of NT1423010633.D


Scan 2516 (24.314 min) of NT1423010633.D (Subtracted)


73 Di-n-octylphthalate (Reference Spectrum)


Scan 2516 (24.314 min) of NT1423010633.D (% DIFFERENCE)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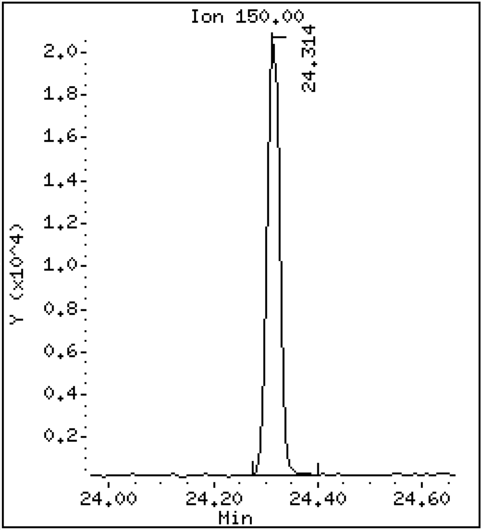
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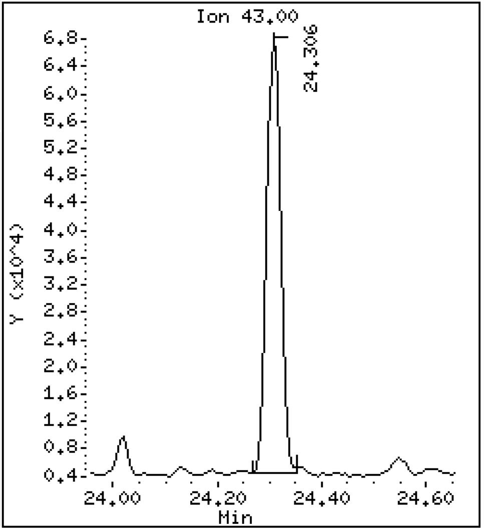

Ion 43.00

Date : 07-JAN-2023 06:51

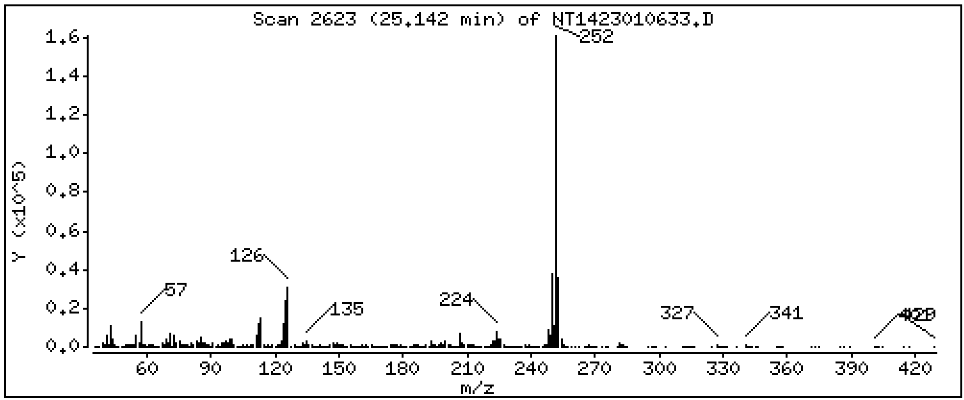
Client ID: Instrument: nt14.i

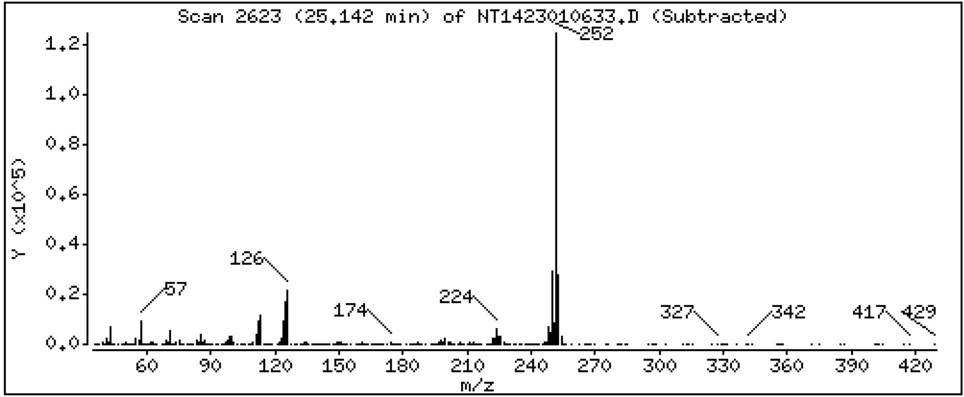
Sample Info: BKL0585-SRM1

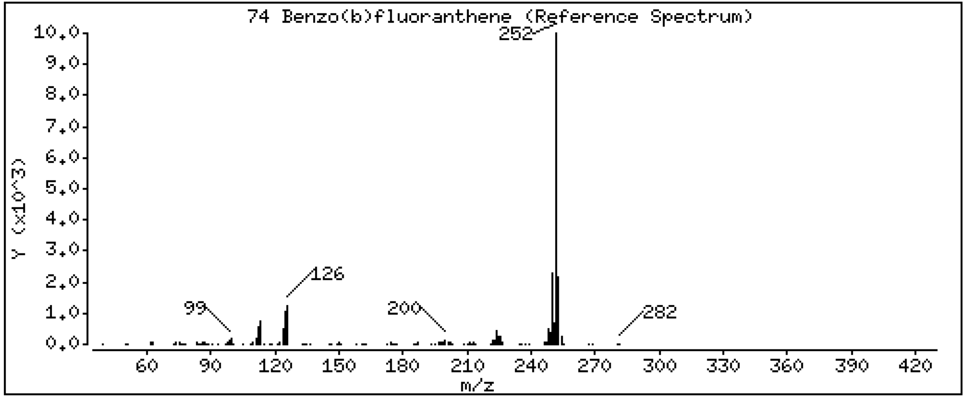
Operator: VTS

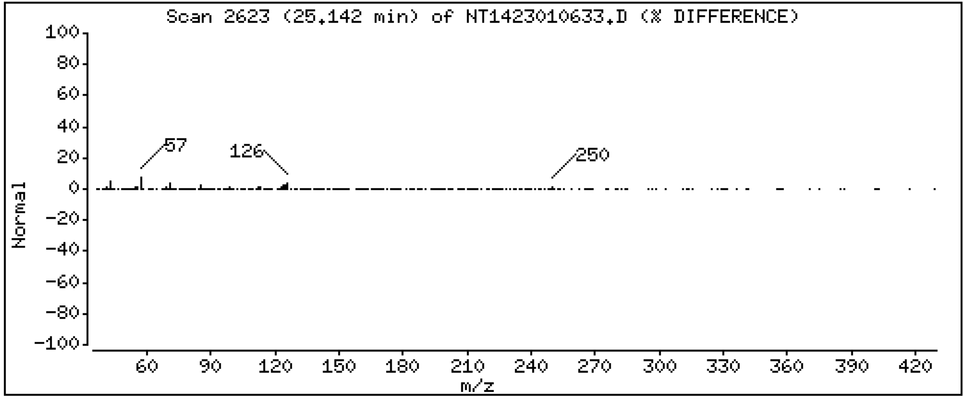
Column phase: ZB-5msi Column diameter: 0.25

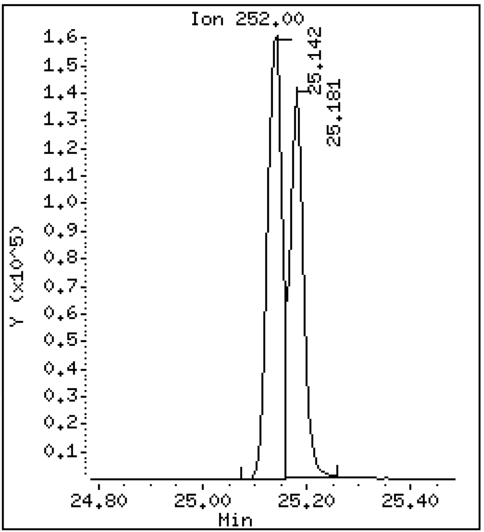
74 Benzo(b)fluoranthene Concentration: 3.486 ug/mL

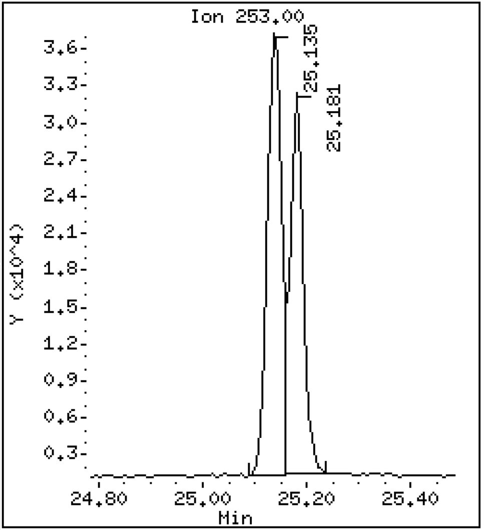


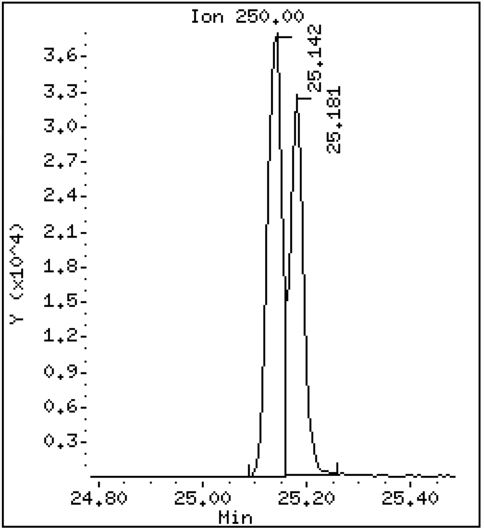












Data File: \\target\share\chem3\nt14.i\20230106.b\NT1423010633.D

Date : 07-JAN-2023 06:51

Client ID:

Instrument: nt14.i

Sample Info: BKL0585-SRM1

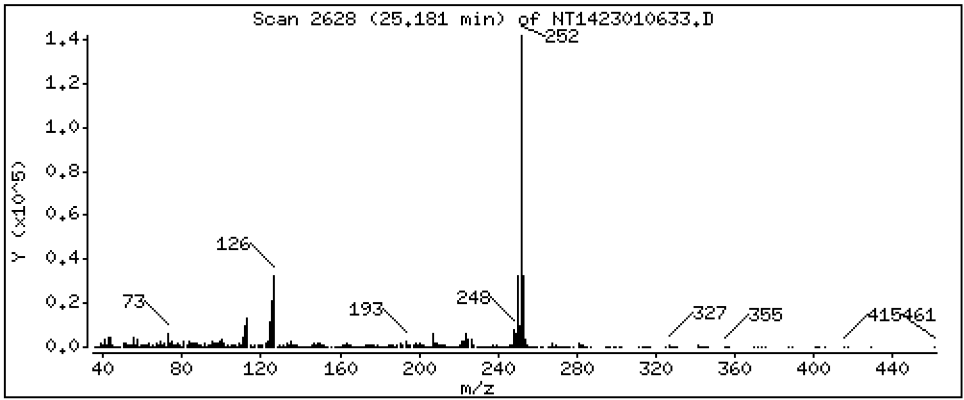
Operator: VTS

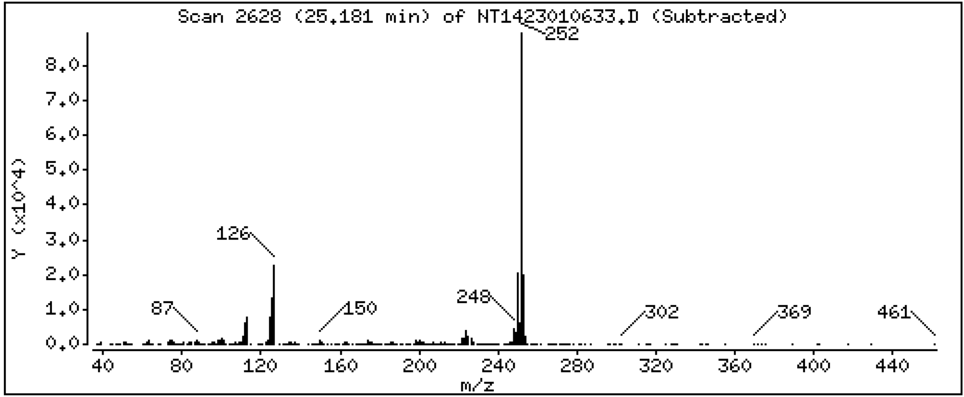
Column phase: ZB-5msi

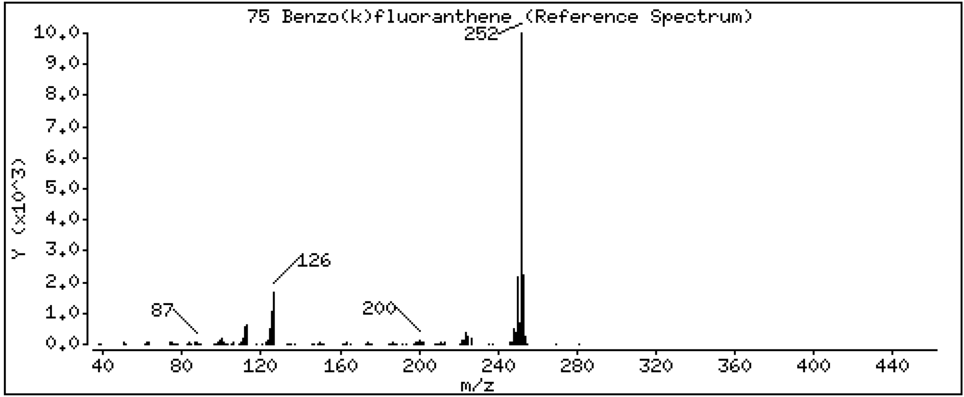
Column diameter: 0.25

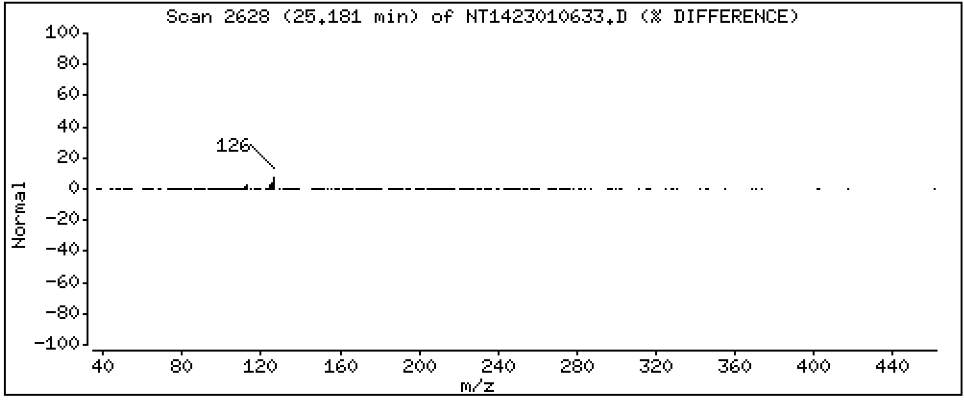
75 Benzo(k)fluoranthene

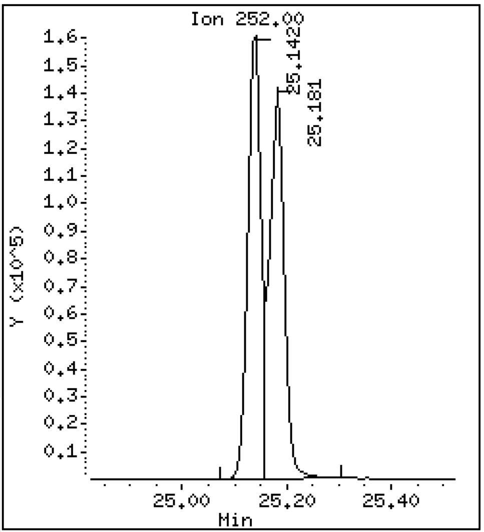
Concentration: 3.194 ug/mL

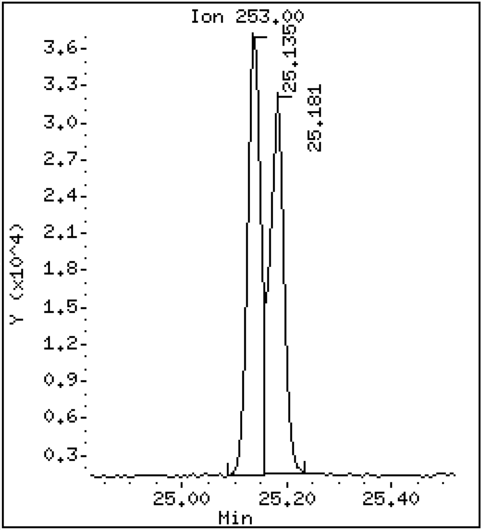


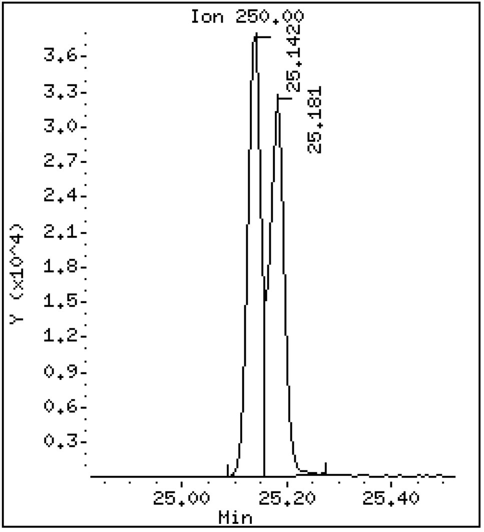












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Date : 07-JAN-2023 06:51

Client ID:

Instrument: nt14.i

Sample Info: BKL0585-SRM1

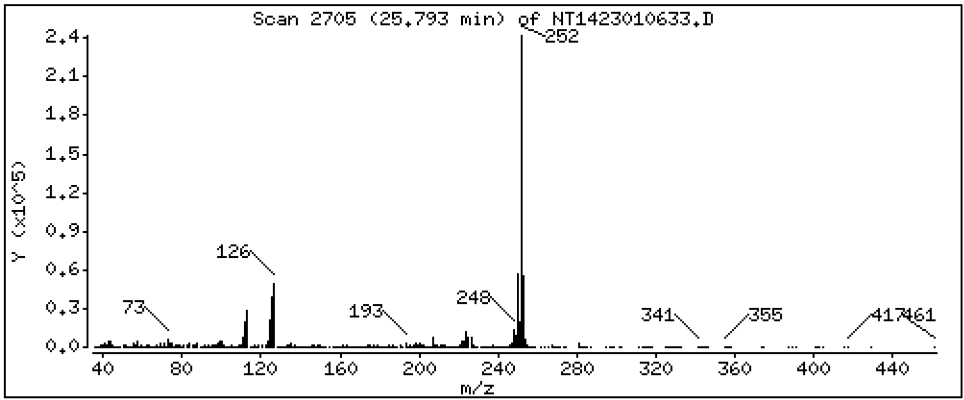
Operator: VTS

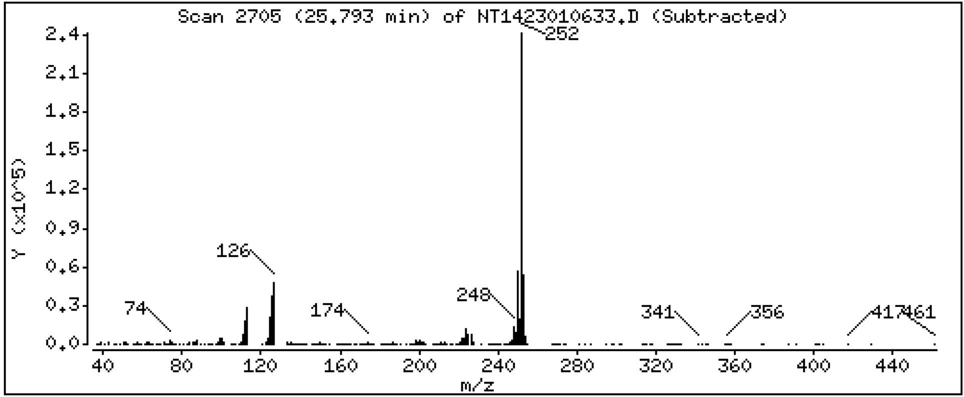
Column phase: ZB-5msi

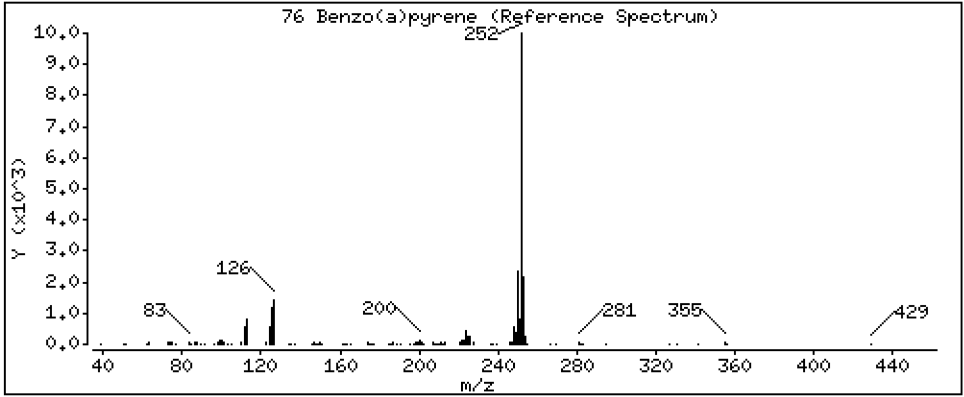
Column diameter: 0.25

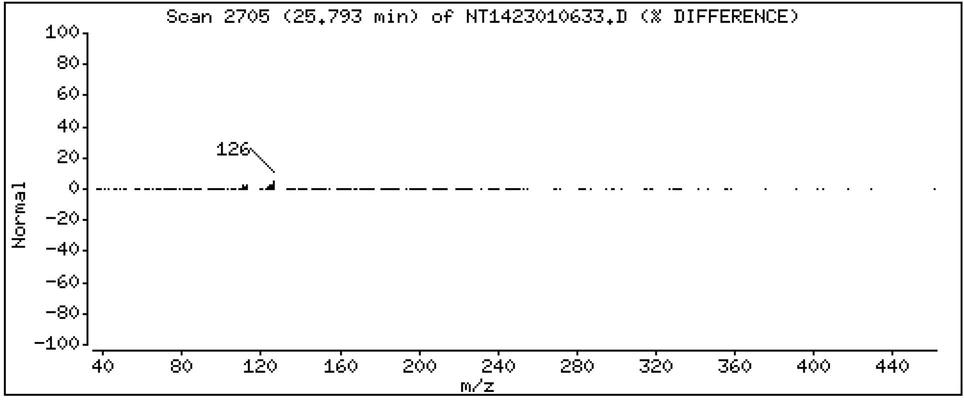
76 Benzo(a)pyrene

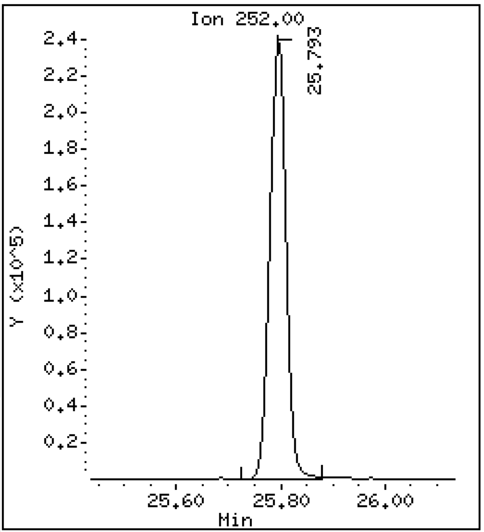
Concentration: 6.880 ug/mL


Scan 2705 (25.793 min) of NT1423010633.D


Scan 2705 (25.793 min) of NT1423010633.D (Subtracted)


76 Benzo(a)pyrene (Reference Spectrum)


Scan 2705 (25.793 min) of NT1423010633.D (% DIFFERENCE)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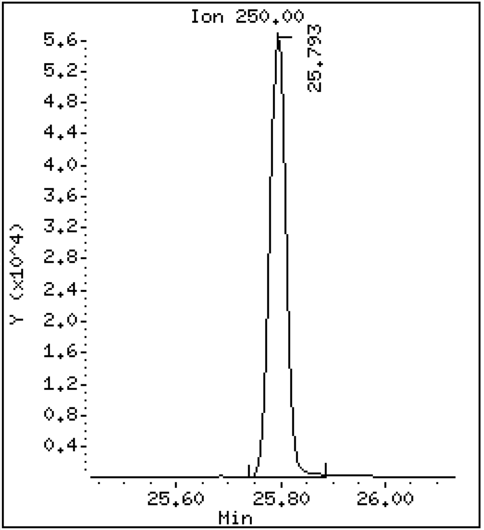
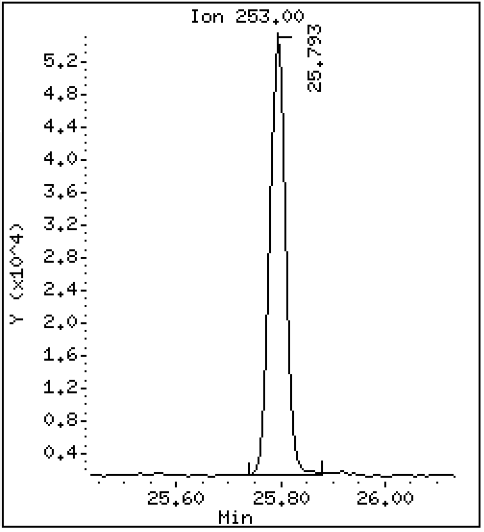

Ion 250.00


Ion 253.00

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Date : 07-JAN-2023 06:51

Client ID:

Instrument: nt14.i

Sample Info: BKL0585-SRM1

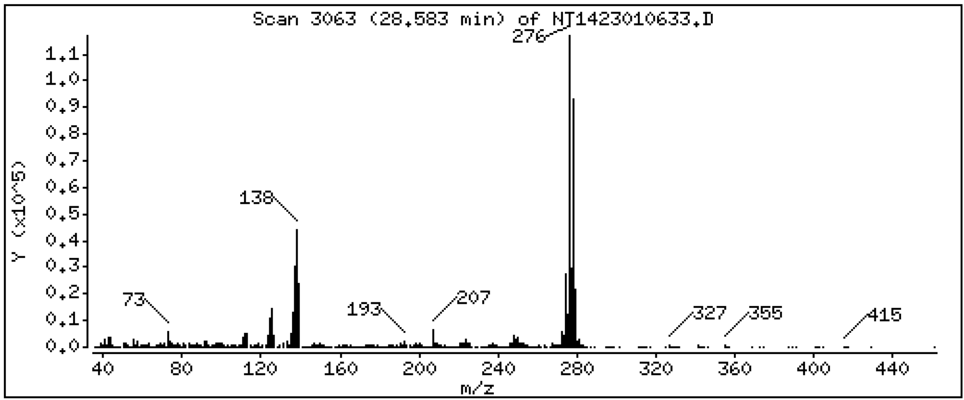
Operator: VTS

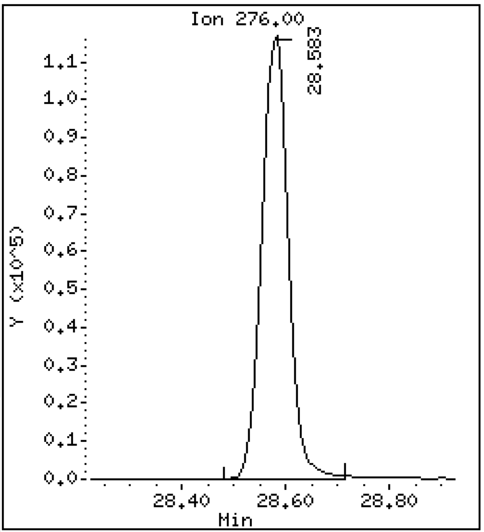
Column phase: ZB-5msi

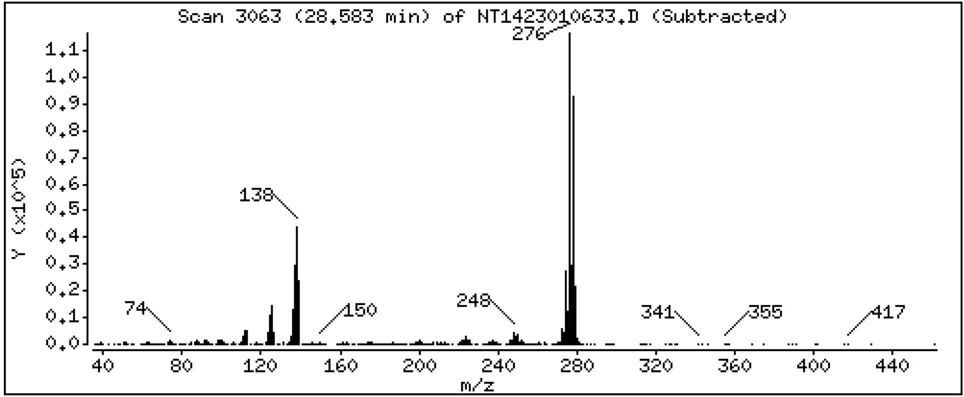
Column diameter: 0.25

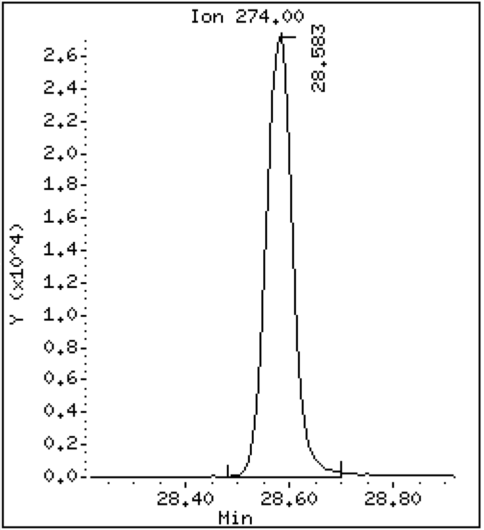
78 Indeno(1,2,3-cd)pyrene

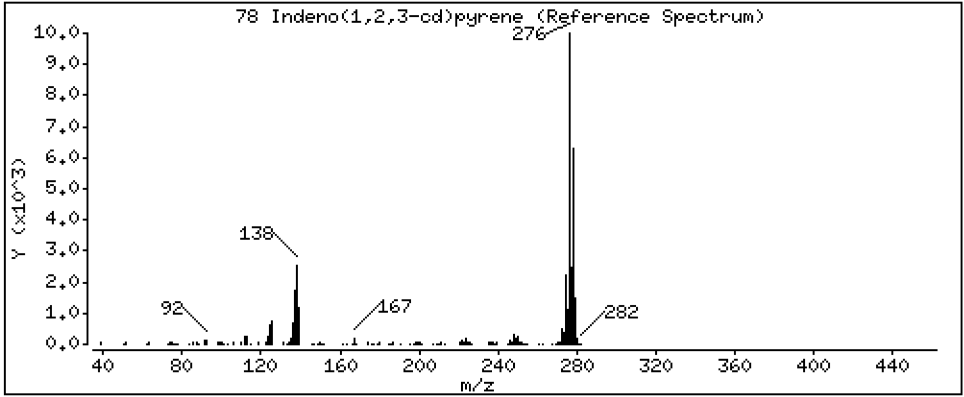
Concentration: 5.005 ug/mL

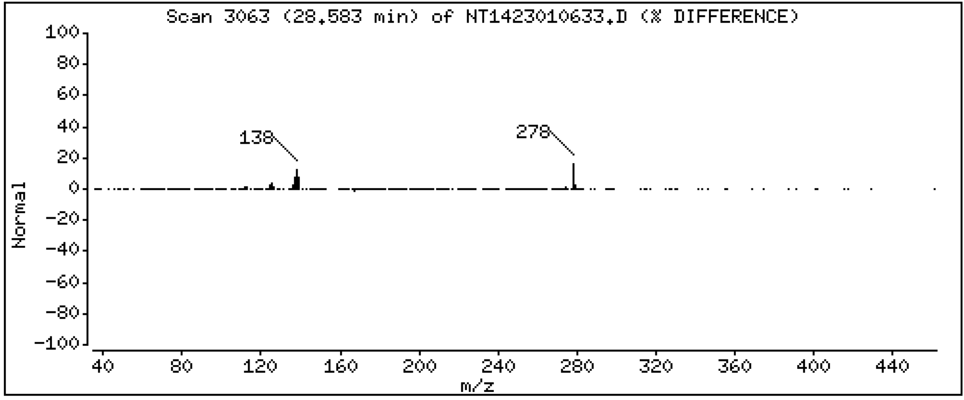


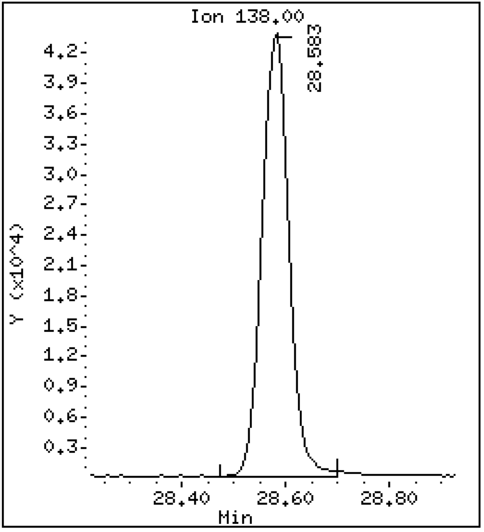












Data File: \\target\share\chem3\nt14.i\20230106.b\NT1423010633.D

Date : 07-JAN-2023 06:51

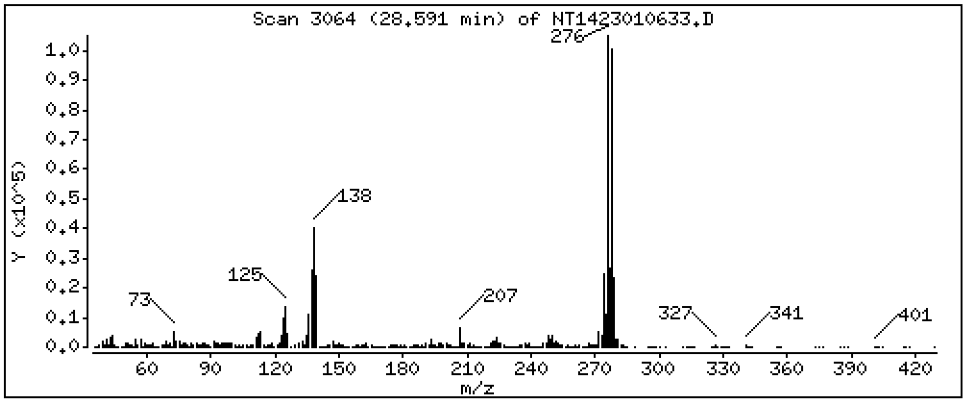
Client ID: Instrument: nt14.i

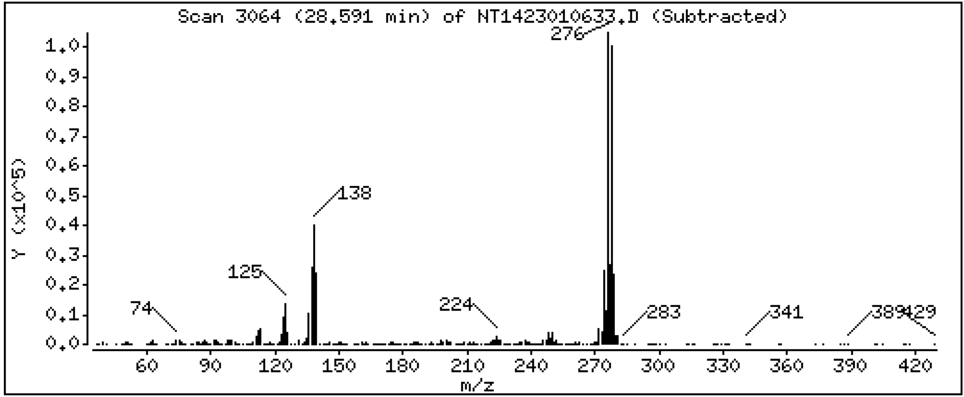
Sample Info: BKL0585-SRM1

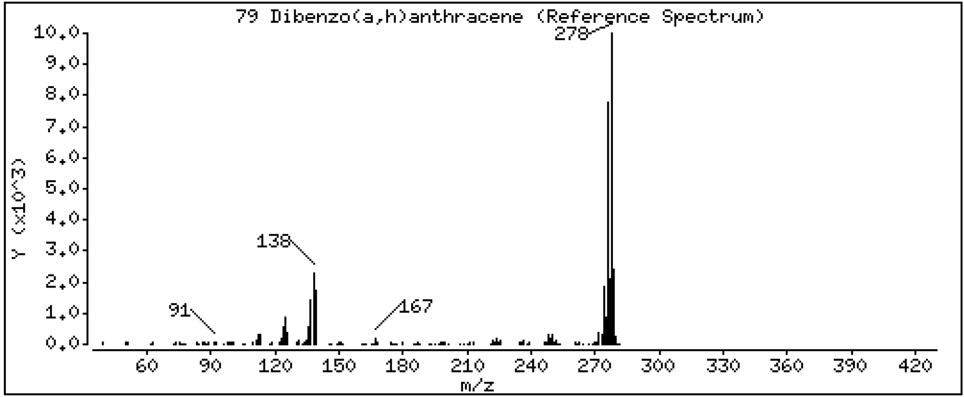
Operator: VTS

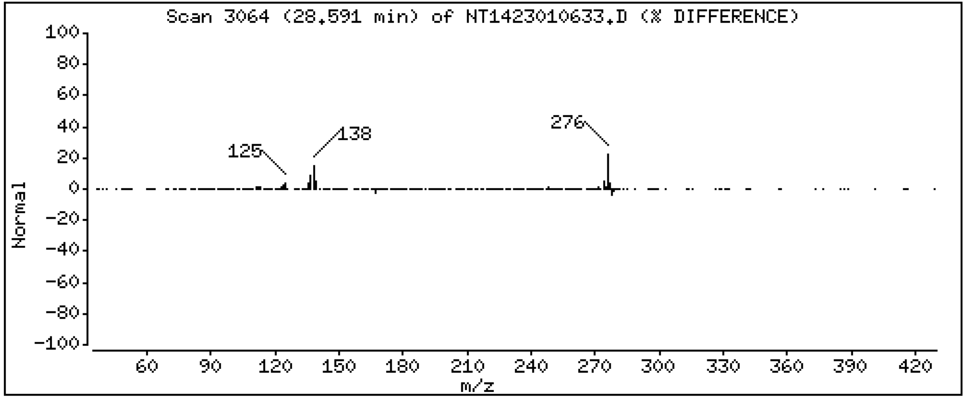
Column phase: ZB-5msi Column diameter: 0.25

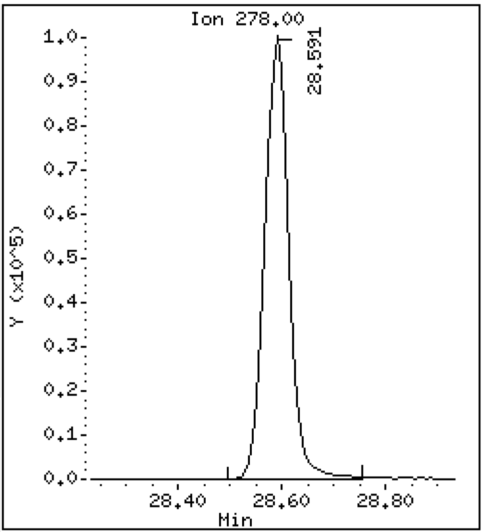
79 Dibenzo(a,h)anthracene Concentration: 4.576 ug/mL

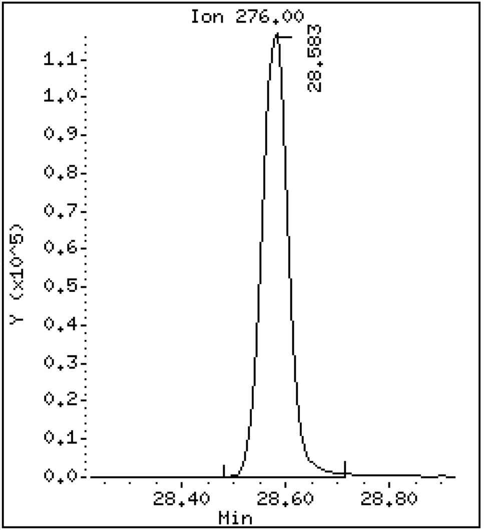


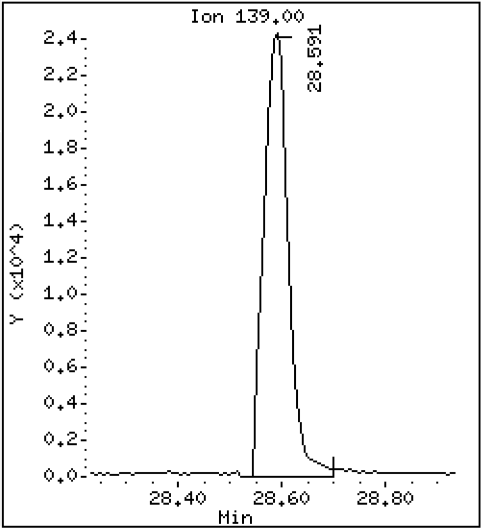












Data File: \\target\share\chem3\nt14.i\20230106.b\NT1423010633.D

Date : 07-JAN-2023 06:51

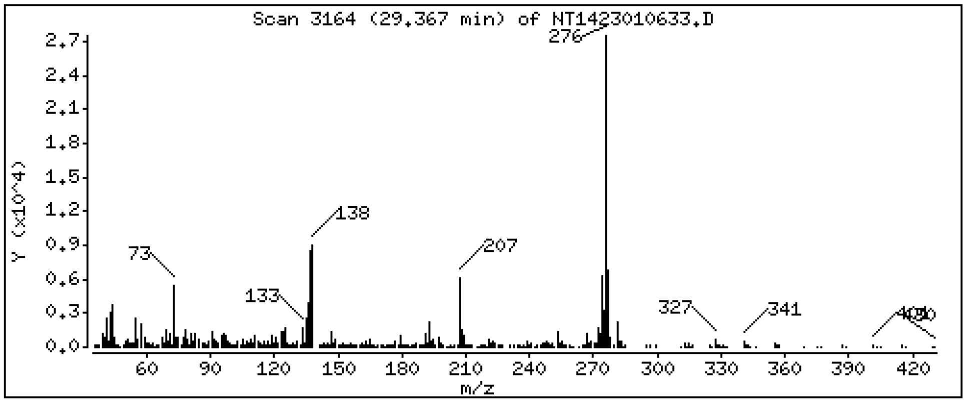
Client ID: Instrument: nt14.i

Sample Info: BKL0585-SRM1

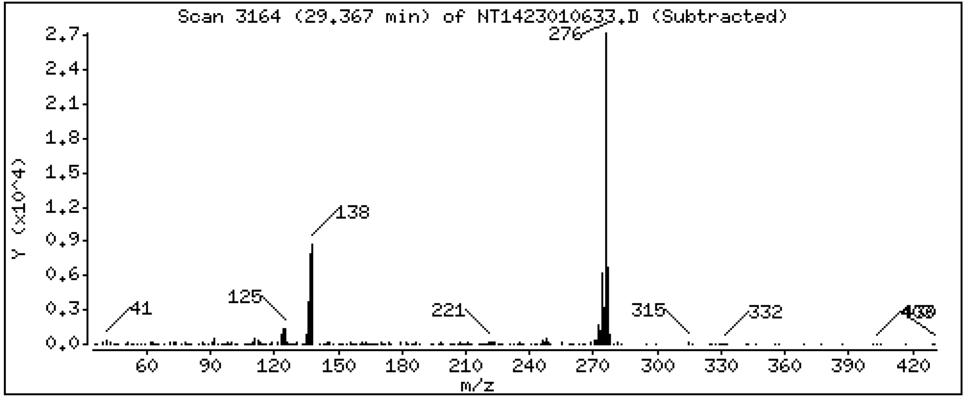
Operator: VTS

Column phase: ZB-5msi Column diameter: 0.25

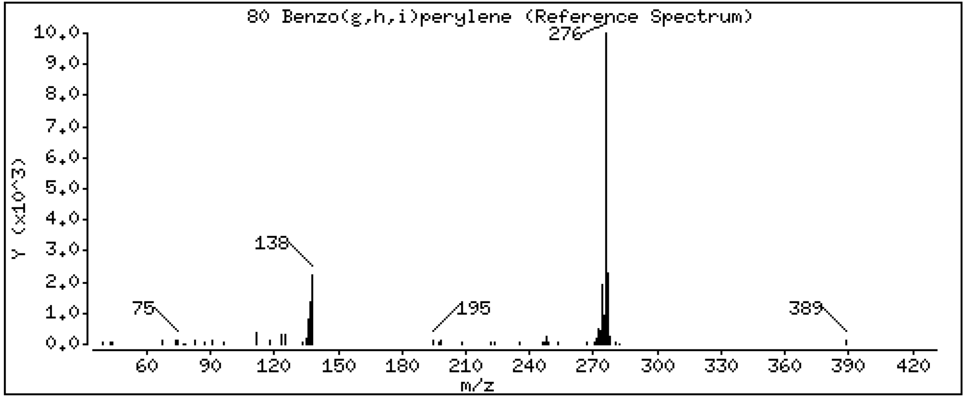
80 Benzo(g,h,i)perylene Concentration: 1.529 ug/mL



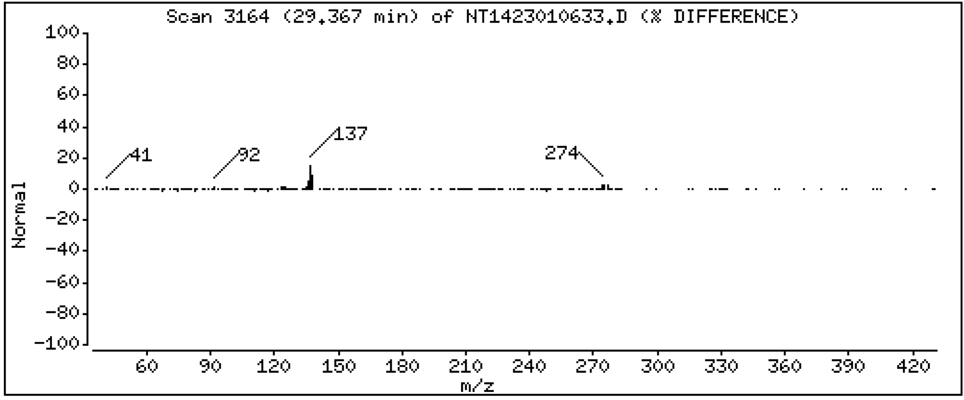
Scan 3164 (29.367 min) of NT1423010633.D



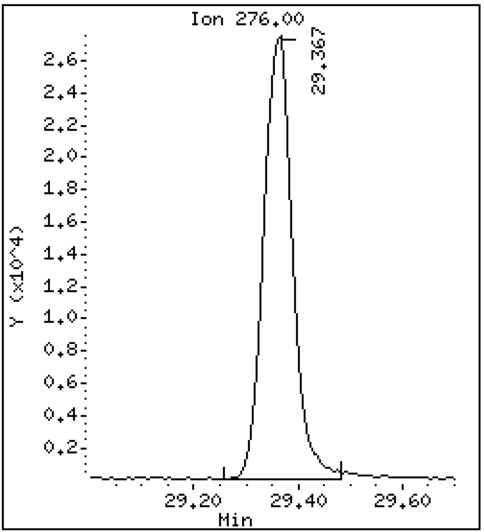
Scan 3164 (29.367 min) of NT1423010633.D (Subtracted)



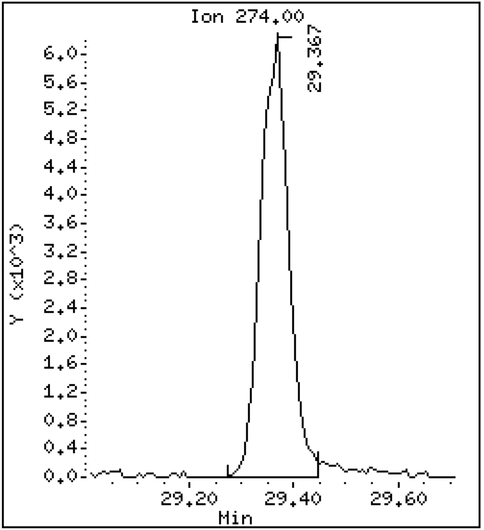
80 Benzo(g,h,i)perylene (Reference Spectrum)



Scan 3164 (29.367 min) of NT1423010633.D (% DIFFERENCE)



Ion 276.00



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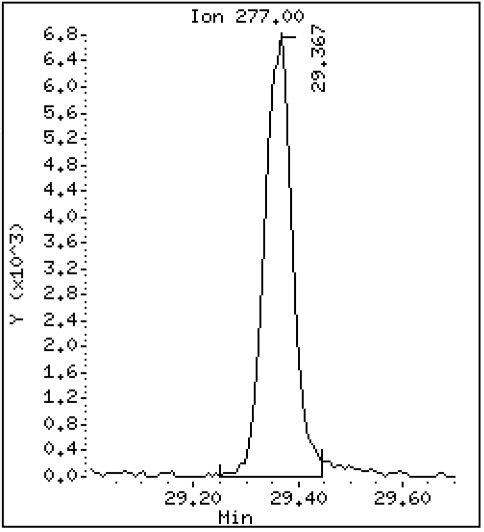


Ion 277.00

Data File: \\target\share\chem3\nt14.i\20230106.b\NT1423010633.D

Date : 07-JAN-2023 06:51

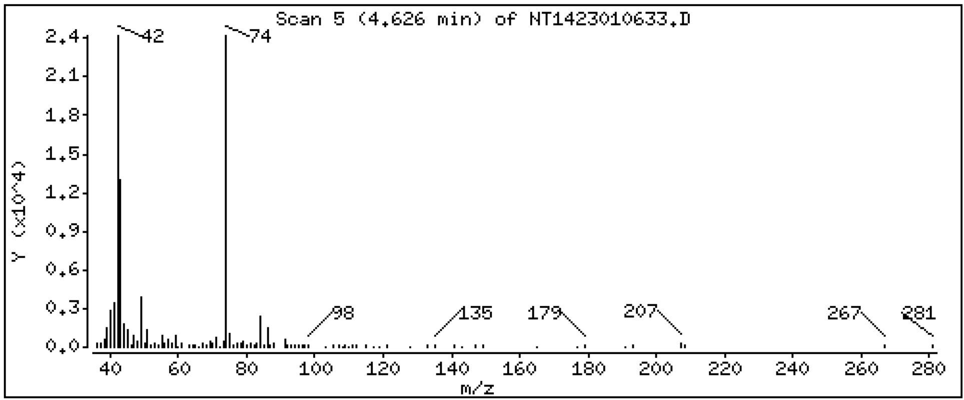
Client ID: Instrument: nt14.i

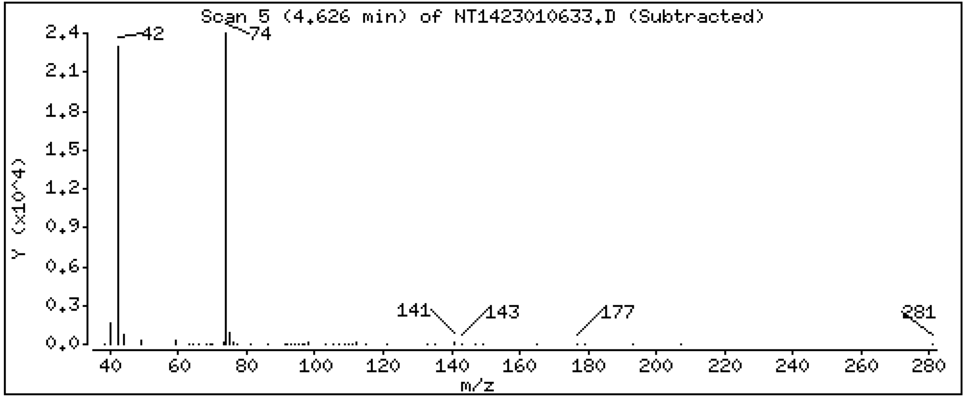
Sample Info: BKL0585-SRM1

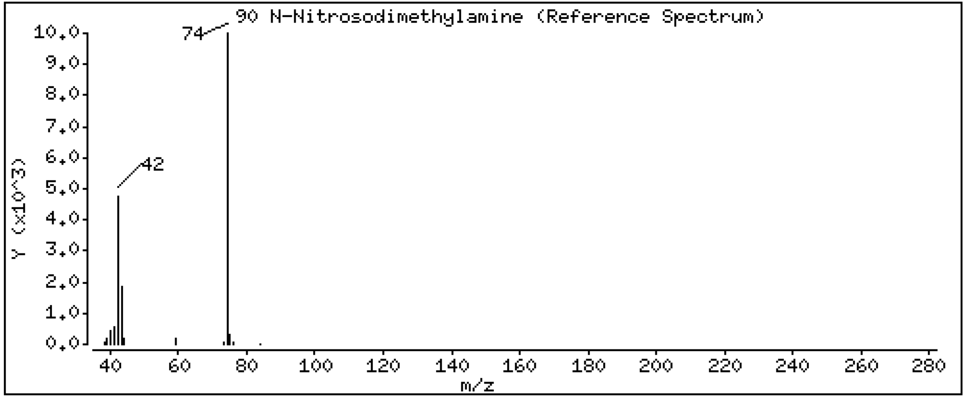
Operator: VTS

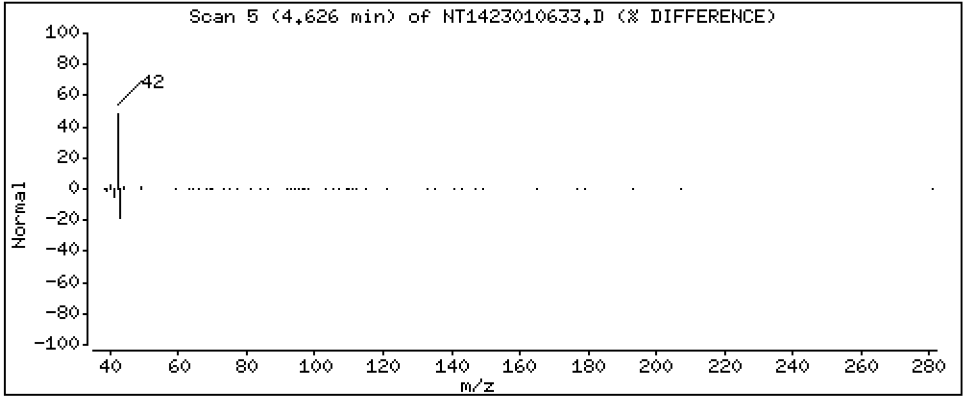
Column phase: ZB-5msi Column diameter: 0.25

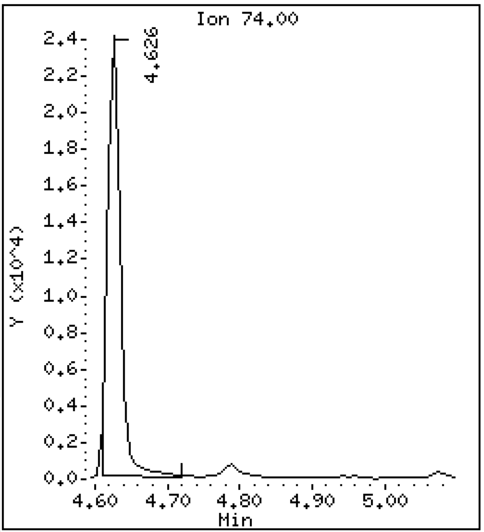
90 N-Nitrosodimethylamine Concentration: 1.273 ug/mL


Scan 5 (4.626 min) of NT1423010633.D


Scan 5 (4.626 min) of NT1423010633.D (Subtracted)


90 N-Nitrosodimethylamine (Reference Spectrum)


Scan 5 (4.626 min) of NT1423010633.D (% DIFFERENCE)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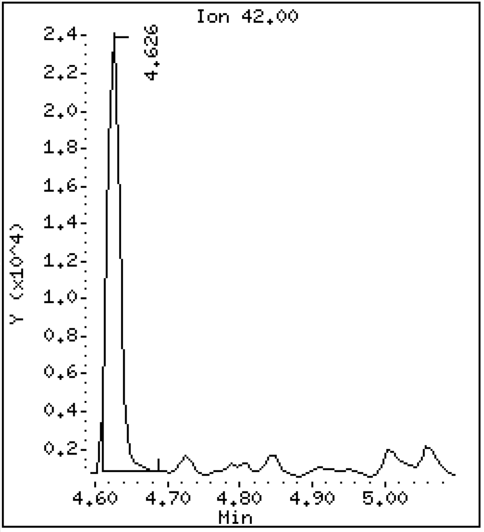
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Date : 07-JAN-2023 06:51

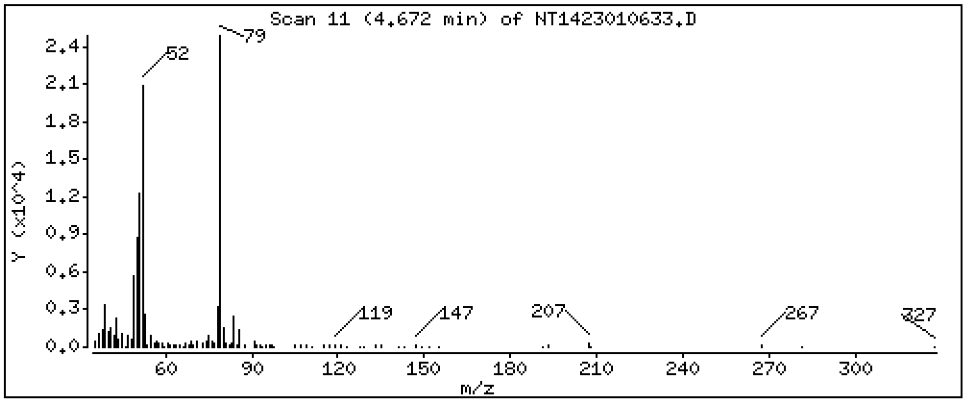
Client ID: Instrument: nt14.i

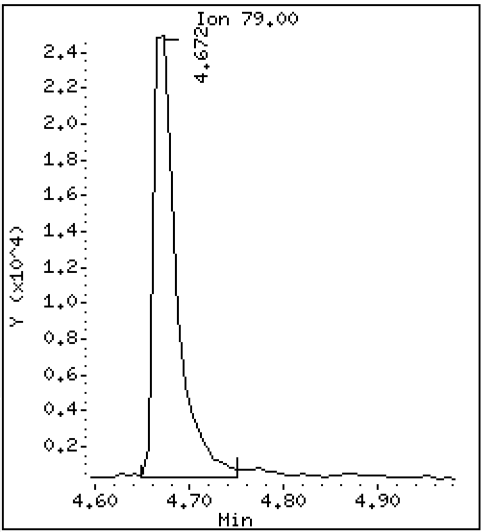
Sample Info: BKL0585-SRM1

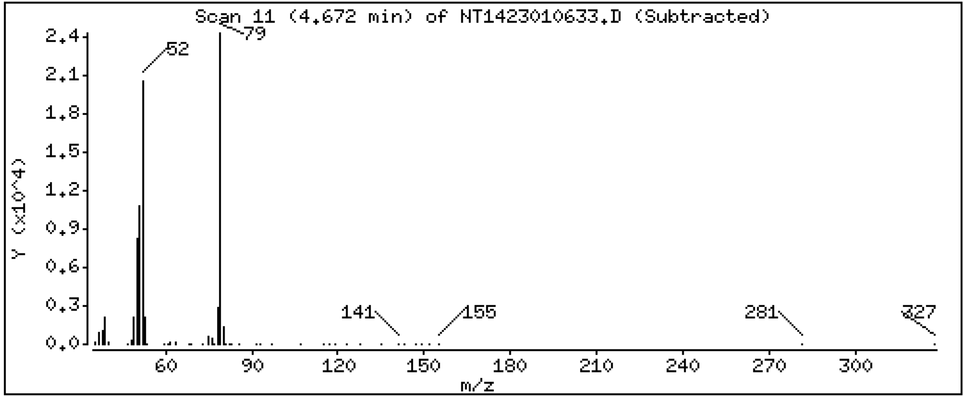
Operator: VTS

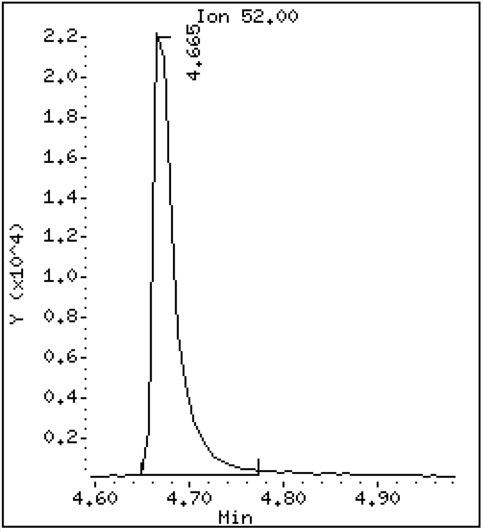
Column phase: ZB-5msi Column diameter: 0.25

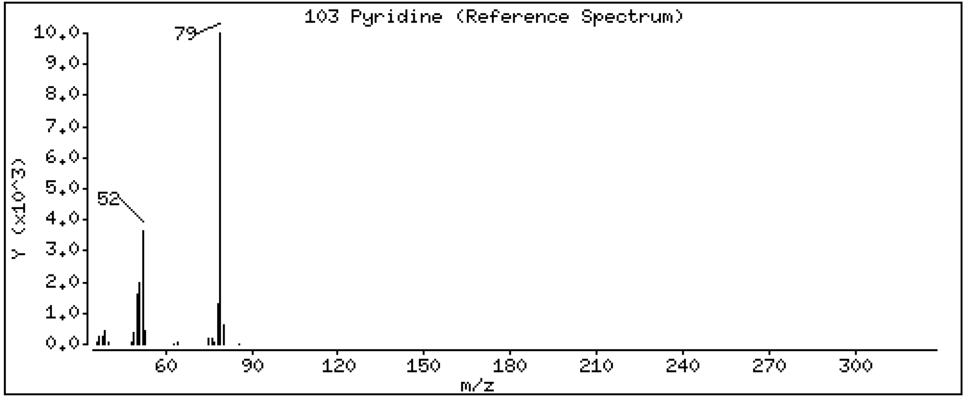
103 Pyridine Concentration: 0.5521 ug/mL

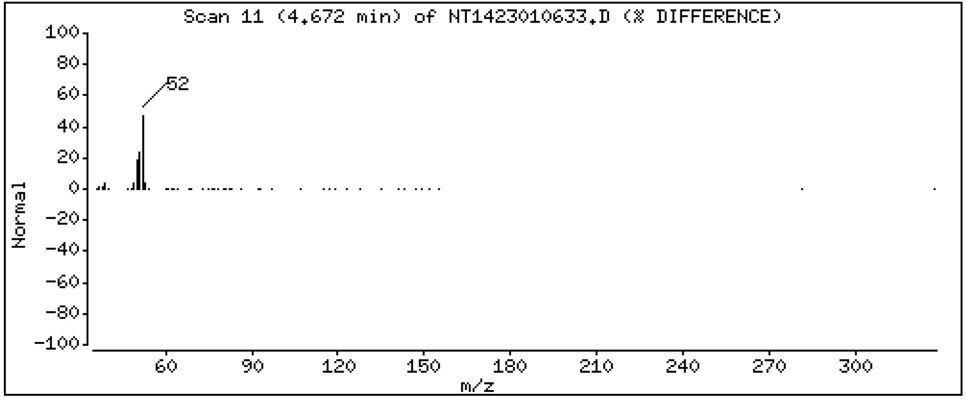

Scan 11 (4.672 min) of NT1423010633.D


Ion 79.00


Scan 11 (4.672 min) of NT1423010633.D (Subtracted)


Ion 52.00


103 Pyridine (Reference Spectrum)


Scan 11 (4.672 min) of NT1423010633.D (% DIFFERENCE)

Date : 07-JAN-2023 06:51

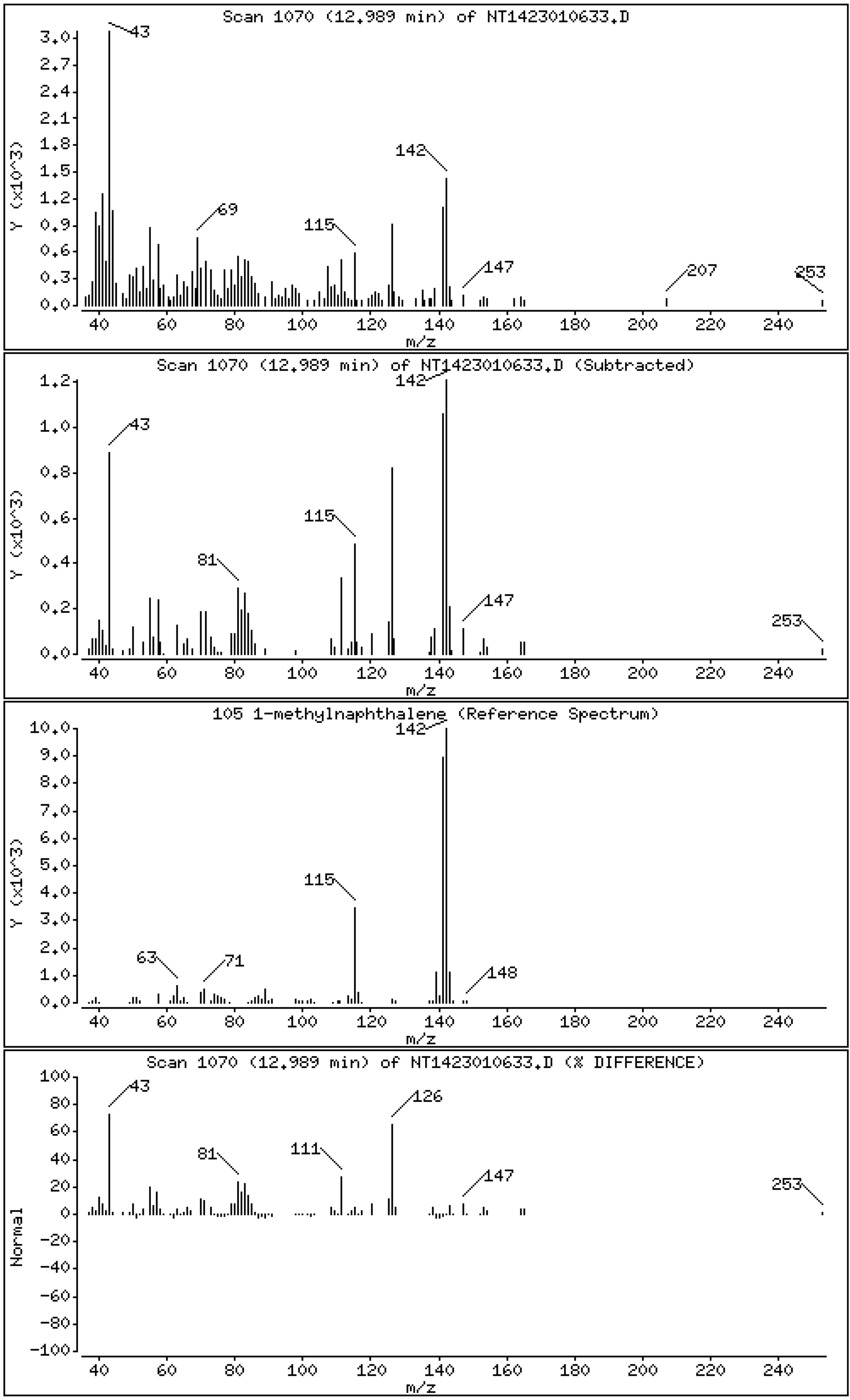
Client ID: Instrument: nt14.i

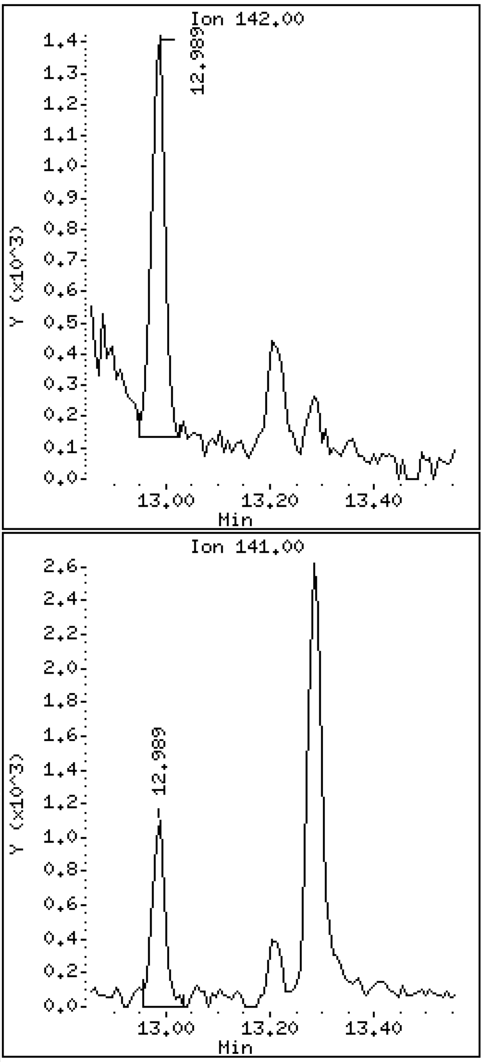
Sample Info: BKL0585-SRM1

Operator: VTS

Column phase: ZB-5msi Column diameter: 0.25

105 1-methylnaphthalene Concentration: 0.03140 ug/mL





Data File: \\target\share\chem3\nt14.i\20230106.b\NT1423010633.D

Date : 07-JAN-2023 06:51

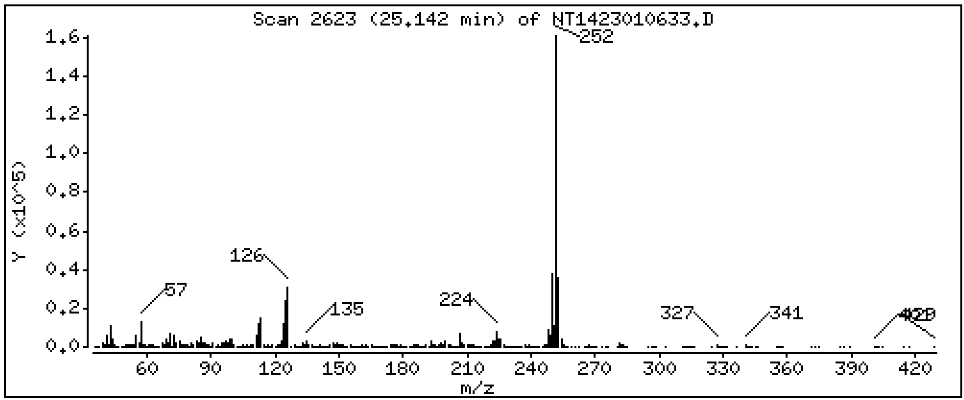
Client ID: Instrument: nt14.i

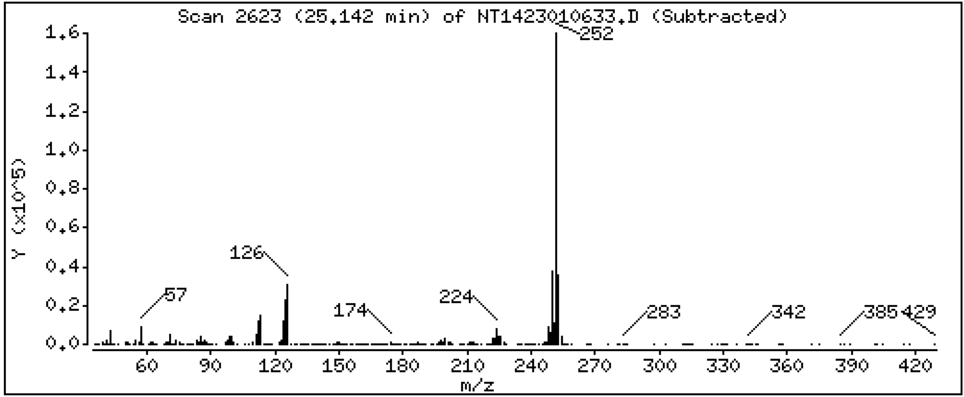
Sample Info: BKL0585-SRM1

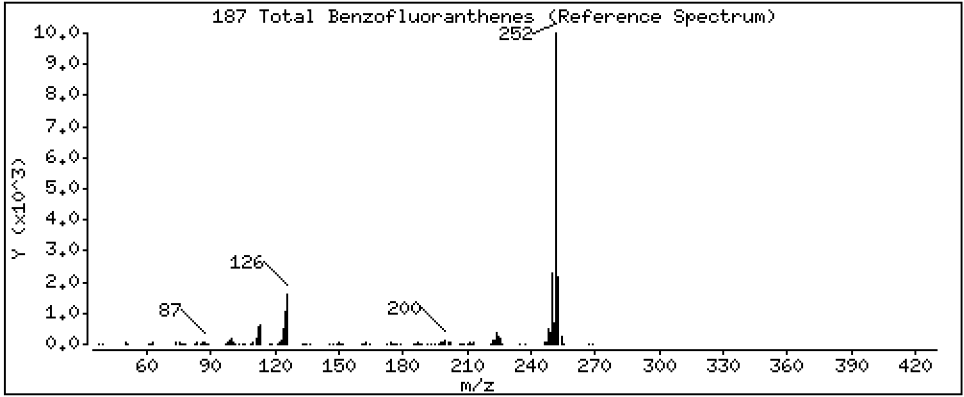
Operator: VTS

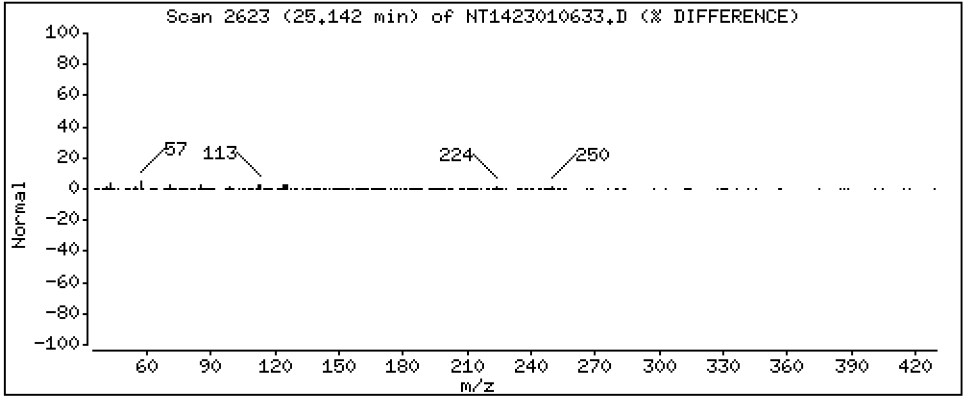
Column phase: ZB-5msi Column diameter: 0.25

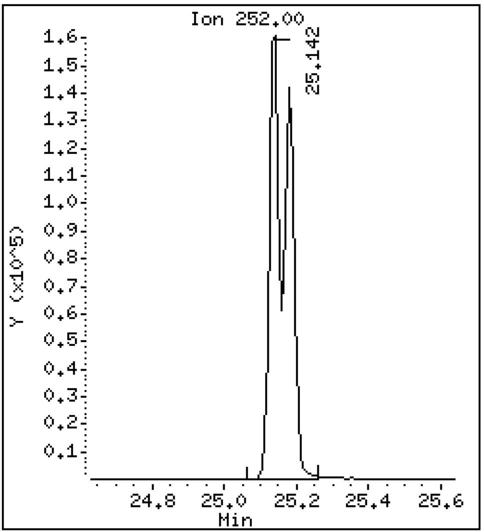
187 Total Benzofluoranthenes Concentration: 6.637 ug/mL

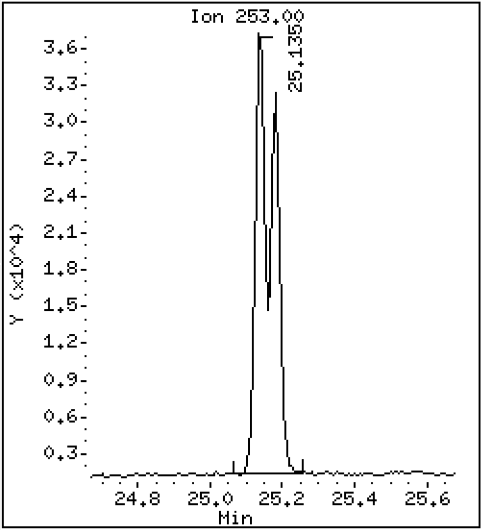


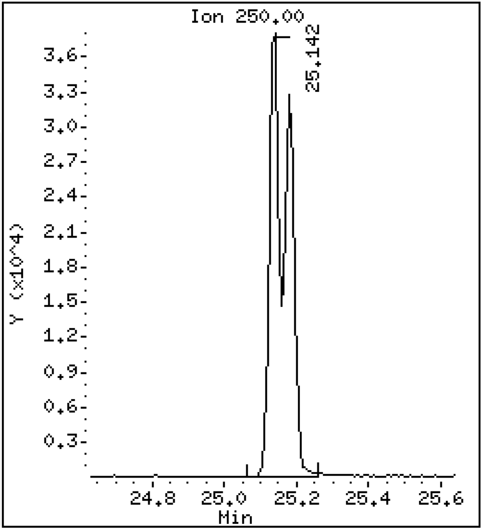












Data File: \\target\share\chem3\nt14.i\20230106.b\NT1423010633.D

Date : 07-JAN-2023 06:51

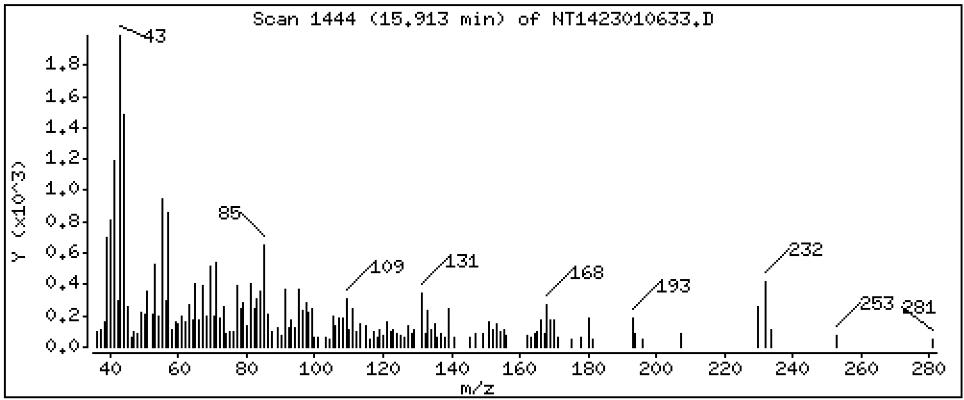
Client ID: Instrument: nt14.i

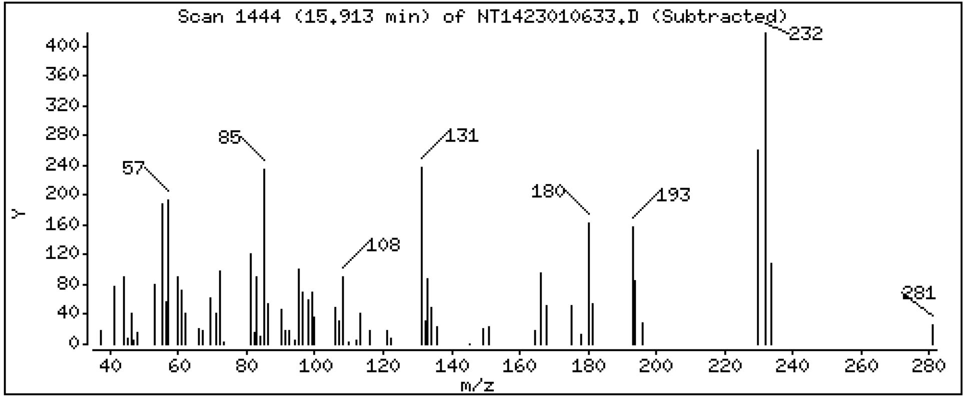
Sample Info: BKL0585-SRM1

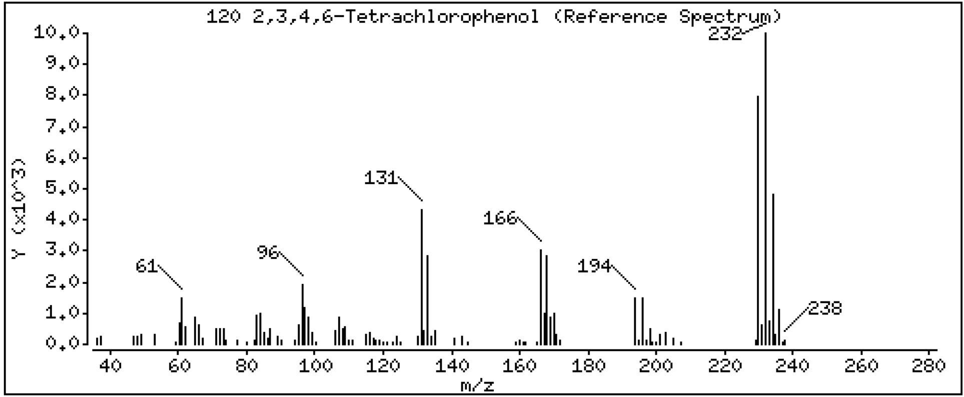
Operator: VTS

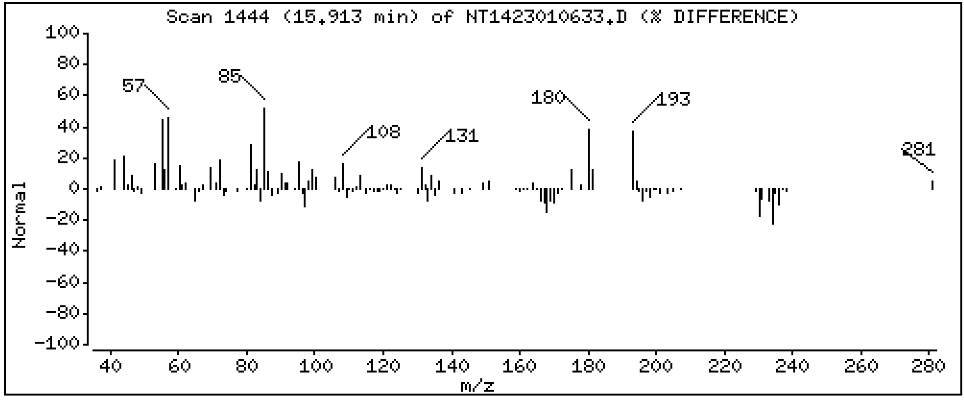
Column phase: ZB-5msi Column diameter: 0.25

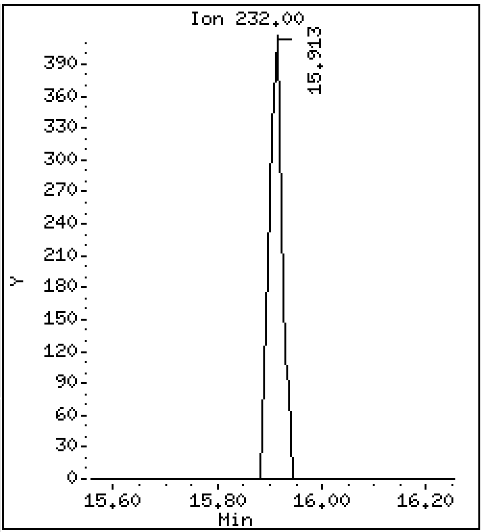
120 2,3,4,6-Tetrachlorophenol Concentration: 0.04866 ug/mL

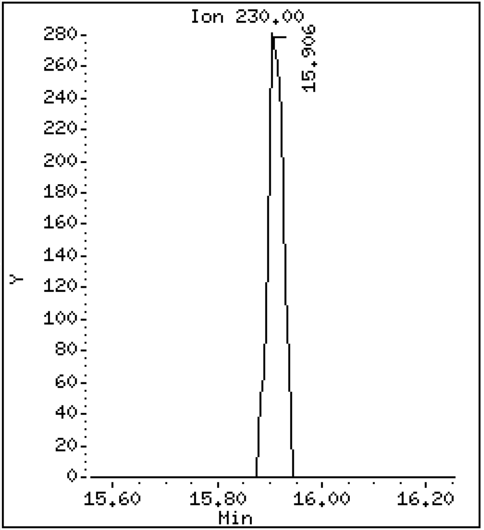


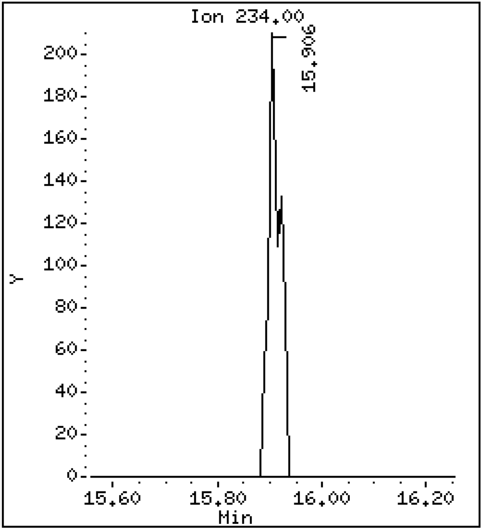












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Data File: \\target\share\chem3\nt14.i\20230106.b\NT1423010633.D Page 1
Report Date: 12-Jan-2023 08:17


                                 ARI Labs, Inc.

                     Semivolatile Report SW846 Method 8270D
Data file : \\target\share\chem3\nt14.i\20230106.b\NT1423010633.D
Lab Smp Id: BKL0585-SRM1
Inj Date  : 07-JAN-2023 06:51            MS Autotune Date: 17-MAY-2011 01:22
Operator  : VTS                          Inst ID: nt14.i
Smp Info  : BKL0585-SRM1
Misc Info :
Comment   : 1ul Injection
Method    : \\target\share\chem3\nt14.i\20230106.b\ABN.m
Meth Date : 12-Jan-2023 08:12 van        Quant Type: ISTD
Cal Date  : 30-DEC-2022 11:07            Cal File: NT1422123007.D
Als bottle: 30
Dil Factor: 1.00000
Integrator: HP RTE                       Compound Sublist: ICAL.sub
Target Version:  4.14
Processing Host: VANS-201906


                                                                                          CONCENTRATIONS
                                      QUANT SIG                                         ON-COLUMN    FINAL
Compounds                               MASS            RT   EXP RT   REL RT RESPONSE     (ug/mL)    (ug/mL)
==========================              ====          ==== ======== ======== ========     =======    =======
$   1 2-Fluorophenol                     112         6.826   6.811 (0.755)     207298    5.93578       5.936
$   2 Phenol-d5                           99         8.410   8.403 (0.930)     266522    6.17534       6.175
    3 Phenol                              94         8.434   8.426 (0.932)     146879    2.99503       2.995
$   5 2-Chlorophenol-d4                  132         8.681   8.673 (0.960)     229665    6.33613       6.336
    4 Bis(2-Chloroethyl)ether              93          Compound Not Detected.
    6 2-Chlorophenol                     128         8.712   8.704 (0.963)      63256    1.58903       1.589
    7 1,3-Dichlorobenzene                146         8.975   8.975 (0.992)      61903    1.46648       1.466
*   8 1,4-Dichlorobenzene-d4             152         9.044   9.037 (1.000)     109009    4.00000
    9 1,4-Dichlorobenzene                146         8.975   9.068 (0.992)      61903    1.54796       1.548
$  10 1,2-Dichlorobenzene-d4             152         9.401   9.401 (1.039)      95418    3.85155       3.852
   12 1,2-Dichlorobenzene                 146          Compound Not Detected.
   11 Benzyl alcohol                     108         9.549   9.308 (1.056)     219620    10.0595       10.06
   14 2,2'-oxybis(1-Chloropropane)       121         9.619   9.611 (1.064)      44942    3.95250       3.953
   13 2-Methylphenol                     108         9.549   9.549 (1.056)     223733    6.27839       6.278
   17 Hexachloroethane                    117          Compound Not Detected.
   16 N-Nitroso-di-n-propylamine           70          Compound Not Detected.
   15 4-Methylphenol                     108         9.821   9.813 (1.086)     284527    7.56874       7.569
$  18 Nitrobenzene-d5                     82        10.139  10.131 (0.878)     166246    4.84887       4.849
   19 Nitrobenzene                        77        10.170  10.170 (0.881)     142209    4.17645       4.176
   20 Isophorone                          82        10.628  10.620 (0.921)     126388    2.91236       2.912
   21 2-Nitrophenol                      139        10.806  10.806 (0.936)     143385    6.49924       6.499
   22 2,4-Dimethylphenol                 107        10.876  10.868 (0.942)     237132    6.67267       6.673
   23 Bis(2-Chloroethoxy)methane           93          Compound Not Detected.
   24 Benzoic acid                       105        10.984  11.062 (0.952)      13665    0.63107      0.6311
   25 2,4-Dichlorophenol                 162        11.279  11.271 (0.977)     248996    8.31201       8.312
   26 1,2,4-Trichlorobenzene             180        11.457  11.449 (0.993)      59617    1.84056       1.841
*  27 Naphthalene-d8                     136        11.542  11.534 (1.000)     406015    4.00000
   28 Naphthalene                        128        11.581  11.581 (1.003)     549449    5.49897       5.499
   29 4-Chloroaniline                    127        11.581  11.712 (1.003)      70885    1.72025       1.720
   30 Hexachlorobutadiene                225        11.951  11.951 (1.035)      37933    2.36035       2.360
   31 4-Chloro-3-methylphenol            107        12.702  12.686 (1.100)      65443    2.31500       2.315
   32 2-Methylnaphthalene                142        12.702  12.981 (1.100)      56081    0.76516      0.7652
   33 Hexachlorocyclopentadiene           237          Compound Not Detected.
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                                                                                 CONCENTRATIONS
                                      QUANT SIG                                ON-COLUMN    FINAL
Compounds                               MASS         RT   EXP RT  REL RT  RESPONSE   (ug/mL)    (ug/mL)
==========================              ====        ==== ======== ======== ========   =======    =======
   34 2,4,6-Trichlorophenol              196       13.615  13.607 (0.897)     39078   2.31951      2.320
   35 2,4,5-Trichlorophenol              196       13.700  13.693 (0.903)     69703   3.58476      3.585
$  36 2-Fluorobiphenyl                   172       13.770  13.770 (0.908)    300199   4.42341      4.423
   37 2-Chloronaphthalene                162       13.987  13.979 (0.922)    159778   2.76746      2.767
   38 2-Nitroaniline                      65       14.095  14.234 (0.929)     13302   0.87635     0.8764
   39 Dimethylphthalate                  163       14.676  14.668 (0.967)    344398   6.05013      6.050
   40 Acenaphthylene                     152       14.861  14.853 (0.980)    201608   2.29015      2.290
   41 2,6-Dinitrotoluene                 165       14.830  14.807 (0.978)       314   0.02444    0.02444
*  42 Acenaphthene-d10                   164       15.171  15.171 (1.000)    201849   4.00000
   43 3-Nitroaniline                     138       15.070  15.093 (0.993)        43   0.00275   0.002754
   44 Acenaphthene                       153       15.240  15.240 (1.005)    420481   7.70098      7.701
   45 2,4-Dinitrophenol                  184       15.310  15.302 (1.009)     18073   1.65065      1.651
   46 Dibenzofuran                       168       15.565  15.565 (1.026)    632965   7.73042      7.730
   47 4-Nitrophenol                      109       15.441  15.433 (1.018)     73118   9.57419      9.574
   48 2,4-Dinitrotoluene                 165       15.619  15.619 (1.030)     79944   4.53564      4.536
   50 Diethylphthalate                   149       16.129  16.137 (1.063)      9480   0.12252     0.1225
   49 Fluorene                           166       16.284  16.284 (1.073)    405065   4.65032      4.650
   51 4-Chlorophenyl-phenylether         204       16.276  16.268 (1.073)    102144   2.39524      2.395
   52 4-Nitroaniline                     138       16.284  16.361 (1.073)      5571   0.29654     0.2965
   53 4,6-Dinitro-2-methylphenol         198       16.461  16.461 (0.903)     74589   5.14008      5.140
   54 N-Nitrosodiphenylamine             169       16.523  16.523 (0.907)    258480   4.40328      4.403
$  55 2,4,6-Tribromophenol               330       16.816  16.816 (1.108)     58742   6.01715      6.017
   56 4-Bromophenyl-phenylether          248       17.279  17.278 (0.948)    194713   8.75978      8.760
   57 Hexachlorobenzene                   284           Compound Not Detected.
   58 Pentachlorophenol                  266       17.960  17.952 (0.986)     15508   1.45835      1.458
*  59 Phenanthrene-d10                   188       18.223  18.215 (1.000)    342092   4.00000
   60 Phenanthrene                       178       18.269  18.269 (1.003)    549279   6.15828      6.158
   61 Anthracene                         178       18.362  18.362 (1.008)    252122   2.96097      2.961
   62 Carbazole                          167       18.695  18.687 (1.026)    594804   7.22591      7.226
   63 Di-n-butylphthalate                149       19.491  19.491 (1.070)    218412   2.30986      2.310
   64 Fluoranthene                       202       20.660  20.652 (0.888)    284044   3.37606      3.376
   65 Pyrene                             202       21.085  21.077 (0.906)    372813   4.21446      4.214
$  66 Terphenyl-d14                      244       21.372  21.364 (0.918)    313070   4.99123      4.991
   67 Butylbenzylphthalate               149       22.293  22.285 (0.958)    201017   5.89863      5.899
   68 Benzo(a)anthracene                 228       23.253  23.245 (0.999)    638666   8.06848      8.068
*  69 Chrysene-d12                       240       23.276  23.276 (1.000)    261300   4.00000
   70 3,3'-Dichlorobenzidine              252           Compound Not Detected.
   71 Chrysene                           228       23.323  23.315 (1.002)    139618   1.86732      1.867
   72 bis(2-Ethylhexyl)phthalate         149       23.323  23.315 (0.960)    203980   3.58799      3.588
* 134 Di-n-octylphthalate-d4             153       24.306  24.298 (1.000)    511901   4.00000
   73 Di-n-octylphthalate                149       24.314  24.314 (1.000)    325362   2.64785      2.648
   74 Benzo(b)fluoranthene               252       25.142  25.134 (0.970)    304292   3.48591      3.486
   75 Benzo(k)fluoranthene               252       25.181  25.173 (0.972)    283805   3.19436      3.194
   76 Benzo(a)pyrene                     252       25.792  25.785 (0.996)    499240   6.87982      6.880
*  77 Perylene-d12                       264       25.909  25.901 (1.000)    277760   4.00000
   78 Indeno(1,2,3-cd)pyrene             276       28.582  28.574 (1.103)    412830   5.00453      5.005
   79 Dibenzo(a,h)anthracene             278       28.590  28.582 (1.103)    320791   4.57626      4.576
   80 Benzo(g,h,i)perylene               276       29.367  29.351 (1.133)    105666   1.52907      1.529
   90 N-Nitrosodimethylamine              74        4.625   4.749 (0.511)     30630   1.27349      1.273
   91 Aniline                              93           Compound Not Detected.
   93 Benzidine                           184           Compound Not Detected.
  103 Pyridine                            79        4.672   4.633 (0.517)     42198   0.55213     0.5521
  105 1-methylnaphthalene                142       12.988  13.205 (1.125)      2211   0.03140    0.03140
  111 Azobenzene (1,2-DP-Hydrazine)        77           Compound Not Detected.
```

```
                                                                                         CONCENTRATIONS
                                      QUANT SIG                                        ON-COLUMN    FINAL
Compounds                               MASS         RT    EXP RT   REL RT  RESPONSE    (ug/mL)    (ug/mL)
==========================              ====        ==== ======== ======== ========     =======    =======
  187 Total Benzofluoranthenes           252      25.142  25.134 (0.970)     560081    6.63660      6.637
  120 2,3,4,6-Tetrachlorophenol          232      15.913  15.905 (1.049)        691    0.04866    0.04866
```

Data File: \\target\share\chem3\nt14.i\20230106.b\NT1423010633.D Page 1
Report Date: 12-Jan-2023 08:17

ARI Labs, Inc.

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: nt14.i
Calibration Date: 06-JAN-2023
Lab File ID: NT1423010633.D
Calibration Time: 22:27
Lab Smp Id: BKL0585-SRM1
Analysis Type: SV
Level:
Quant Type: ISTD
Sample Type:
Operator: VTS
Method File: \\target\share\chem3\nt14.i\20230106.b\ABN.m
Misc Info:

Test Mode:
Use Last Continuing Calibrator.

		AREA LIMIT			
COMPOUND	STANDARD	LOWER	UPPER	SAMPLE	%DIFF
8 1,4-Dichlorobenze	114022	57011	228044	109009	-4.40
27 Naphthalene-d8	420653	210327	841306	406015	-3.48
42 Acenaphthene-d10	216802	108401	433604	201849	-6.90
59 Phenanthrene-d10	366121	183061	732242	342092	-6.56
69 Chrysene-d12	276883	138442	553766	261300	-5.63
134 Di-n-octylphthala	540641	270321	1081282	511901	-5.32
77 Perylene-d12	308305	154153	616610	277760	-9.91

		RT LIMIT			
COMPOUND	STANDARD	LOWER	UPPER	SAMPLE	%DIFF
8 1,4-Dichlorobenze	9.04	8.54	9.54	9.04	0.09
27 Naphthalene-d8	11.53	11.03	12.03	11.54	0.07
42 Acenaphthene-d10	15.17	14.67	15.67	15.17	0.00
59 Phenanthrene-d10	18.22	17.72	18.72	18.22	0.04
69 Chrysene-d12	23.28	22.78	23.78	23.28	0.00
134 Di-n-octylphthala	24.30	23.80	24.80	24.31	0.03
77 Perylene-d12	25.90	25.40	26.40	25.91	0.03

AREA UPPER LIMIT = +100% of internal standard area.
AREA LOWER LIMIT = - 50% of internal standard area.
RT UPPER LIMIT = + 0.50 minutes of internal standard RT.
RT LOWER LIMIT = - 0.50 minutes of internal standard RT.

```
REVIEW SUMMARY FOR FILE - NT1423010633.D

Lab ID: BKL0585-SRM1
nt14.i,  20230106.b\ABN.m,    07-JAN-2023 06:51

     RT      CO-ELUTION COMPOUNDS
---------------------------------------------------------------------------
  12.703   4-Chloro-3-methylphenol and 2-Methylnaphthalene




Quant Method: ICAL



        RRT CHECK

   RRT    CCV RRT   DELTA    COMPOUND
 -------------------------------------

  0.992    1.003   -0.0111   1,4-Dichlorobenzene
  1.056    1.030    0.0257   Benzyl alcohol
  0.952    0.959   -0.0073   Benzoic acid
  1.003    1.015   -0.0120   4-Chloroaniline
  1.100    1.125   -0.0249   2-Methylnaphthalene
  0.929    0.938   -0.0092   2-Nitroaniline
  1.073    1.078   -0.0051   4-Nitroaniline
  0.511    0.000    0.5114   N-Nitrosodimethylamine
  1.125    1.145   -0.0195   1-methylnaphthalene

  RRT check based on Ccal File: NT1423010619.D


 On Column LOD for nt14.i, 20230106.b\ABN.m, ICAL.sub = 0.0000


 * Only compounds listed in the work order have been verified by the analyst *
```

Analytical Resources, LLC
Analytical Chemists and Consultants

MASS SPECTROMETER
INSTRUMENT PERFORMANCE CHECK
EPA 8270E

Laboratory:	Analytical Resources, LLC	SDG:	22L0307
Client:	Anchor QEA, LLC	Project:	AOC4 UR Phase 3
Lab File ID:	NT1422123001.D	Injection Date:	12/30/22
Instrument ID:	NT14	Injection Time:	07:53
Sequence:	SKL0355	Lab Sample ID:	SKL0355-TUN1

m/z	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE	
68	Less than 2% of 69	1.54	PASS
69	Less than 100% of 198	27.3	PASS
70	Less than 2% of 69	0	PASS
197	Less than 2% of 198	0.704	PASS
198	Base peak, 100% relative abundance	100	PASS
199	5 - 9% of 198	6.88	PASS
365	1 - 100% of 198	3.3	PASS
441	Less than 150% of 443	72.3	PASS
442	1 - 200% of 198	103	PASS
443	15 - 24% of 442	19.8	PASS
4,4'-DDD	Less than 20% of 4,4'-DDT		
4,4'-DDE	Less than 20% of		
4,4'-DDT	Less than 200% of		

Analytical Resources, LLC
Analytical Chemists and Consultants

MASS SPECTROMETER
INSTRUMENT PERFORMANCE CHECK
EPA 8270E

Laboratory:	Analytical Resources, LLC	SDG:	22L0307
Client:	Anchor QEA, LLC	Project:	AOC4 UR Phase 3
Lab File ID:	NT1422123001.D	Injection Date:	12/30/22
Instrument ID:	NT14	Injection Time:	07:53
Sequence:	SKL0355	Lab Sample ID:	SKL0355-TUN1

m/z	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE	
68	Less than 2% of 69	1.54	PASS
69	Less than 100% of 198	27.3	PASS
70	Less than 2% of 69	0	PASS
197	Less than 2% of 198	0.704	PASS
198	Base peak, 100% relative abundance	100	PASS
199	5 - 9% of 198	6.88	PASS
365	1 - 100% of 198	3.3	PASS
441	Less than 150% of 443	72.3	PASS
442	1 - 200% of 198	103	PASS
443	15 - 24% of 442	19.8	PASS
4,4'-DDD	Less than 20% of 4,4'-DDT		
4,4'-DDE	Less than 20% of		
4,4'-DDT	Less than 200% of		

Client Sample ID	Lab Sample ID	Lab File ID	Date Analyzed	Time Analyzed
MS Tune	SKL0355-TUN1	NT1422123001.D	12/30/2022	7:53
Cal Standard	SKL0355-CAL5	NT1422123002.D	12/30/2022	8:06
Cal Standard	SKL0355-CAL7	NT1422123003.D	12/30/2022	8:42
Cal Standard	SKL0355-CAL1	NT1422123004.D	12/30/2022	9:18
Cal Standard	SKL0355-CAL6	NT1422123005.D	12/30/2022	9:54
Cal Standard	SKL0355-CAL2	NT1422123006.D	12/30/2022	10:30
Cal Standard	SKL0355-CAL4	NT1422123007.D	12/30/2022	11:07
Cal Standard	SKL0355-CAL3	NT1422123008.D	12/30/2022	11:43
Initial Cal Check	SKL0355-ICV1	NT1422123011.D	12/30/2022	13:31
Initial Cal Blank	SKL0355-ICB1	NT1422123012.D	12/30/2022	14:08
Initial Cal Check	SKL0355-ICV2	NT1422123014.D	12/30/2022	15:53
ZZZZZ	22K0241-02RE1	NT1422123038.D	12/31/2022	6:20
ZZZZZ	22K0399-08RE1	NT1422123039.D	12/31/2022	6:56
ZZZZZ	22K0399-19RE1	NT1422123040.D	12/31/2022	7:32
ZZZZZ	22K0399-22RE1	NT1422123041.D	12/31/2022	8:08
ZZZZZ	22K0399-29RE1	NT1422123042.D	12/31/2022	8:44
Initial Cal Check	SKL0355-ICV4	NT1422123049.D	12/31/2022	13:17
Low Cal Check	SKL0355-LCV1	NT1422123051.D	12/31/2022	14:29
Low Cal Check	SKL0355-LCV2	NT1422123052.D	12/31/2022	15:05
ZZZZZ	22K0021-01RE1	NT1422123060.D	12/31/2022	19:54
ZZZZZ	22K0045-01RE1	NT1422123061.D	12/31/2022	20:30
ZZZZZ	22K0045-02RE1	NT1422123062.D	12/31/2022	21:06
ZZZZZ	22K0045-03RE1	NT1422123063.D	12/31/2022	21:42
ZZZZZ	22K0045-04RE1	NT1422123064.D	12/31/2022	22:18
ZZZZZ	22K0045-05RE1	NT1422123065.D	12/31/2022	22:54
Initial Cal Check	SKL0355-ICV5	NT1422123066.D	12/31/2022	23:30

Analytical Resources, LLC
Analytical Chemists and Consultants

MASS SPECTROMETER
INSTRUMENT PERFORMANCE CHECK
EPA 8270E

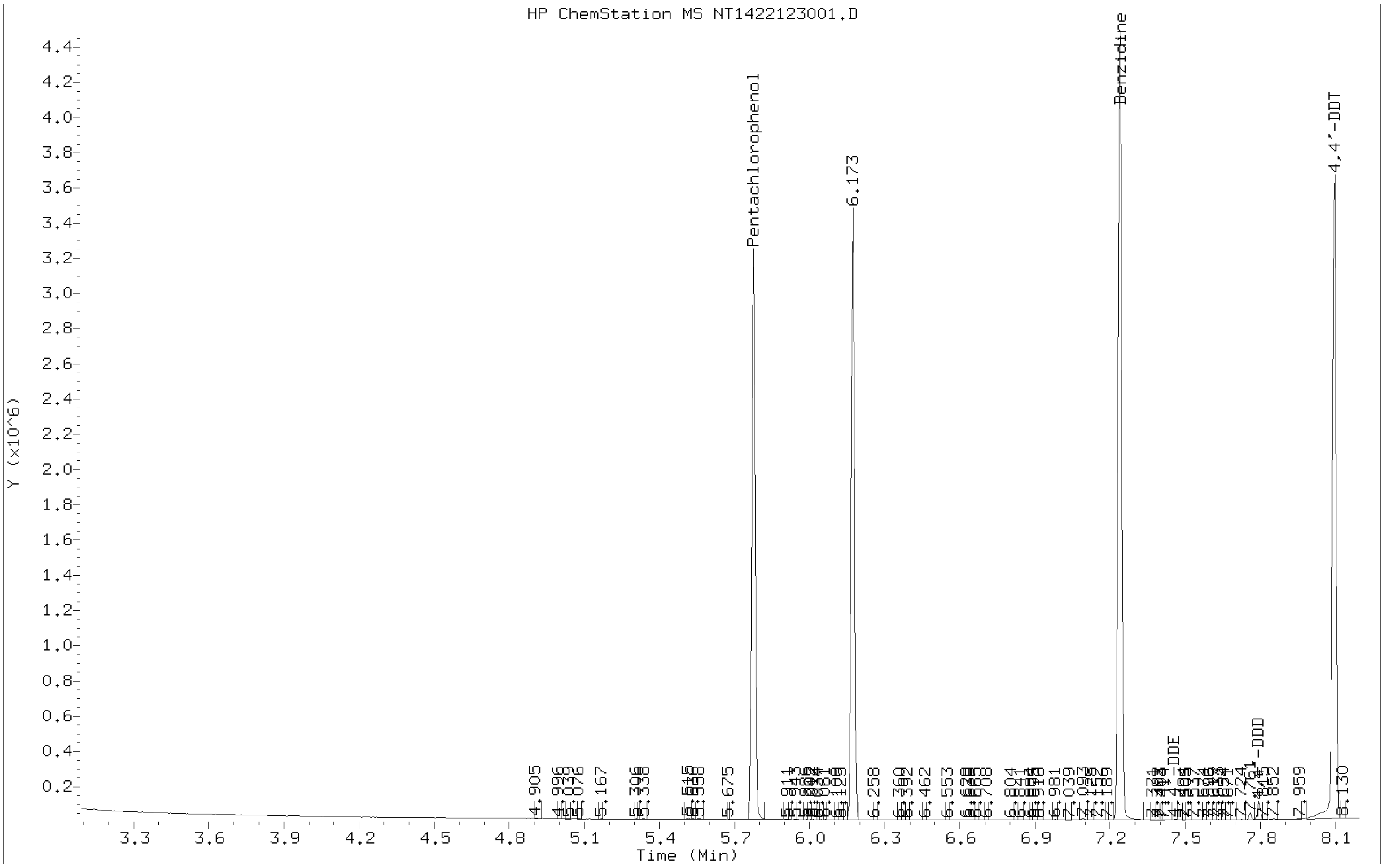
Laboratory:	Analytical Resources, LLC	SDG:	22L0307
Client:	Anchor QEA, LLC	Project:	AOC4 UR Phase 3
Lab File ID:	NT1422123001.D	Injection Date:	12/30/22
Instrument ID:	NT14	Injection Time:	07:53
Sequence:	SKL0355	Lab Sample ID:	SKL0355-TUN1

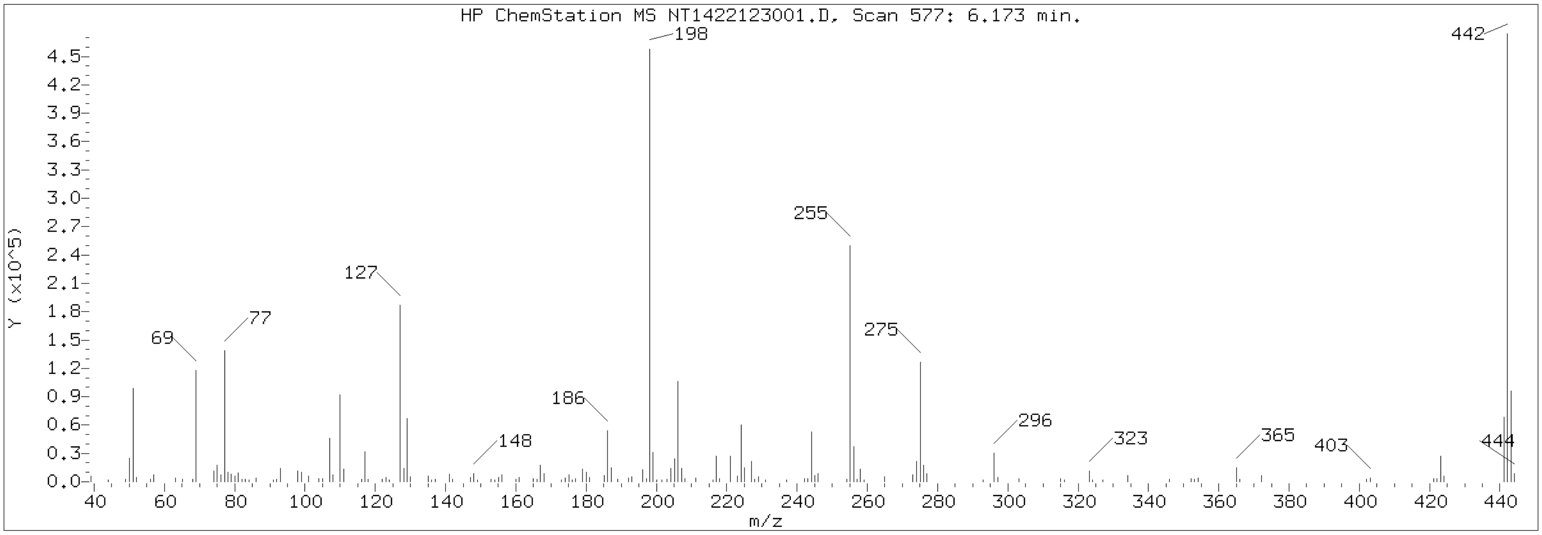
m/z	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE	
68	Less than 2% of 69	1.54	PASS
69	Less than 100% of 198	27.3	PASS
70	Less than 2% of 69	0	PASS
197	Less than 2% of 198	0.704	PASS
198	Base peak, 100% relative abundance	100	PASS
199	5 - 9% of 198	6.88	PASS
365	1 - 100% of 198	3.3	PASS
441	Less than 150% of 443	72.3	PASS
442	1 - 200% of 198	103	PASS
443	15 - 24% of 442	19.8	PASS
4,4'-DDD	Less than 20% of 4,4'-DDT		
4,4'-DDE	Less than 20% of		
4,4'-DDT	Less than 200% of		

Low Cal Check	SKL0355-LCV3	NT1422123067.D	01/01/2023	0:06
Low Cal Check	SKL0355-LCV4	NT1422123068.D	01/01/2023	0:42
Blank	BKL0193-BLK1	NT1422123069.D	01/01/2023	1:18
LCS	BKL0193-BS1	NT1422123070.D	01/01/2023	1:53
LCS Dup	BKL0193-BSD1	NT1422123071.D	01/01/2023	2:29
Reference	BKL0193-SRM1	NT1422123072.D	01/01/2023	3:05
ZZZZZ	22L0104-01	NT1422123073.D	01/01/2023	3:41
ZZZZZ	22L0104-02	NT1422123074.D	01/01/2023	4:17
ZZZZZ	22L0136-01	NT1422123075.D	01/01/2023	4:53
ZZZZZ	22L0136-08	NT1422123076.D	01/01/2023	5:29
ZZZZZ	22L0136-09	NT1422123077.D	01/01/2023	6:05
Matrix Spike	BKL0193-MS1	NT1422123078.D	01/01/2023	6:41
Matrix Spike Dup	BKL0193-MSD1	NT1422123079.D	01/01/2023	7:17
ZZZZZ	22L0136-10	NT1422123080.D	01/01/2023	7:53
ZZZZZ	22L0136-11	NT1422123081.D	01/01/2023	8:29
ZZZZZ	22L0136-12	NT1422123082.D	01/01/2023	9:05
Calibration Check	SKL0355-CCV1	NT1422123083.D	01/01/2023	9:41

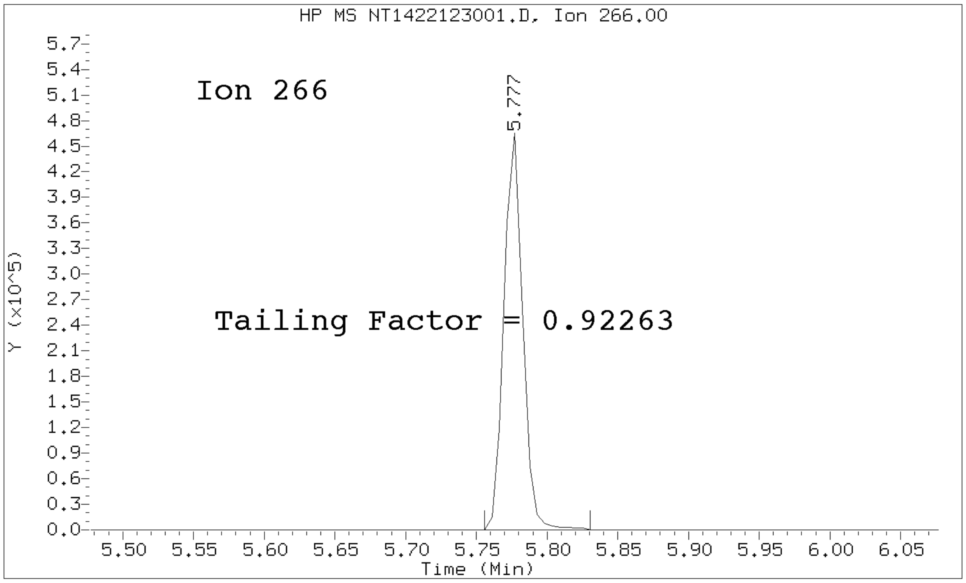
DFTPP TAILING FACTOR AND BREAKDOWN GRAPHIC REPORT

Datafile Analyzed: /20221230.b/NT1422123001.D/NT1422123001.D
Method Used: \20221230.b\DFTPP8270E.m Inst: nt14
Injection Date: 30-DEC-2022 07:53 Operator: VTS
Sample Info: SKL0355-TUN1 SKL0355-TUN1
Report Date: 12/31/2022 15:11



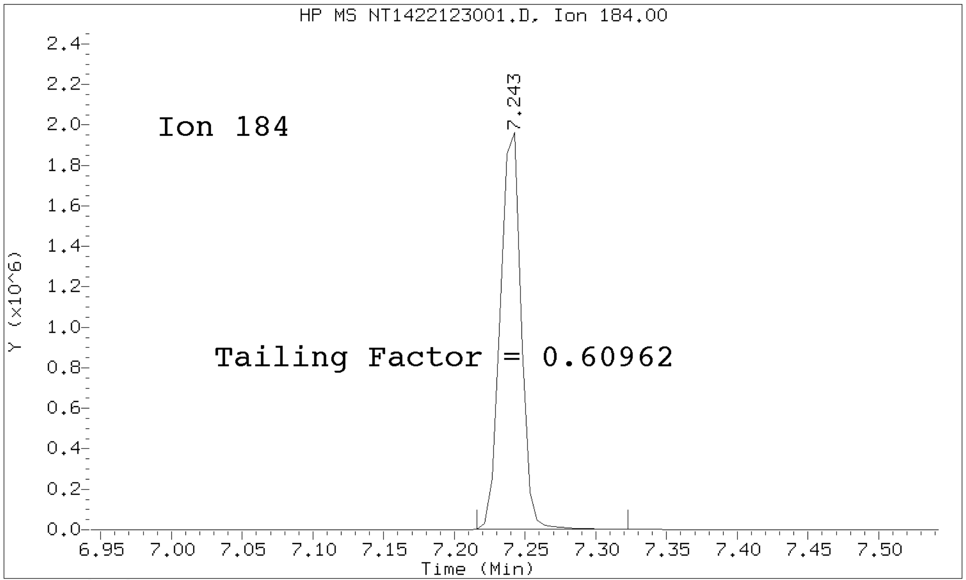


```
Datafile Analyzed: /20221230.b/NT1422123001.D/NT1422123001.D
Method Used: \20221230.b\DFTPP8270E.m\sw846ddt.m  Inst: nt14
Injection Date: 30-DEC-2022 07:53       Operator: JZ
Sample Info:     SKL0355-TUN1
Report Date: 12/31/2022 15:11
```



```
Pentachlorophenol
=================
 Exp. RT =   5.777
Found RT =   5.777

Tail Factor = 0.923   Maximum Allowed = 2.0
```



```
Benzidine
=========
 Exp. RT =   7.243
Found RT =   7.243

Tail Factor = 0.610  Maximum Allowed = 2.0
```

```
          8270 TAILING FACTOR/BREAKDOWN SUMMARY RESULTS


     TAILING  ANALYSIS SUMMARY
+============================================================+
|    Compound                  |Tail Factor |Max Allowed|Test|
+============================================================+
|Pentachlorophenol             |   0.9226328|      2.000|PASS|
|Benzidine                     |   0.6096154|      2.000|PASS|
+============================================================+


     DDT DEGRADATION BREAKDOWN ANALYSIS SUMMARY
+============================================================+
|    Compound    | Response      | %Breakdown |Max Allowed|Test|
+============================================================+
|  4,4-DDT       |       728571 |            |           |N/A |
|  4,4-DDE       |         1748 |        0.2 |      20.0 |PASS|
|  4,4-DDD       |        25116 |        3.3 |      20.0 |PASS|
| 4,4-DDD + DDE  |        26864 |        3.6 |      20.0 |PASS|
+============================================================+

Tuning Sample, nt14.i/20221230.b/NT1422123001.D, *** PASSED ***
```

```
                                                             % RELATIVE
  m/e       ION ABUNDANCE CRITERIA                            ABUNDANCE
+-----+----------------------------------------------------+--------------------
|     |                                                    |
| 198 | Base Peak, 100% relative abundance                 |  100.00
|  68 | Less than  2.00% of mass 69                        |    0.42 (  1.54)
|  69 | Mass 69 relative abundance                         |   27.33
|  70 | Less than  2.00% of mass 69                        |    0.00 (  0.00)
| 197 | Less than  2.00% of mass 198                       |    0.70
| 199 |  5.00 -  9.00% of mass 198                         |    6.88
| 365 |  1.00 - 100.00% of mass 198                        |    3.30
| 441 | Less than 150.00% of mass 443                      |   14.74 ( 72.29)
| 442 | Less than 200.00% of mass 198                      |  103.05
| 443 | 15.00 - 24.00% of mass 442                         |   20.40 ( 19.79)
+-----+----------------------------------------------------+--------------------
```

```
          Data File: NT1422123001.D
           Spectrum: Avg. Scans 576-578 ( 6.17), Background Scan 570
Location of Maximum: 442.00
   Number of points: 144

     m/z          Y       m/z          Y       m/z          Y       m/z          Y
+-------------------+-------------------+-------------------+-------------------+
|   39.00      5632 |  123.00      3801 |  193.00      4295 |  265.00      4182 |
|   50.00     21040 |  124.00       718 |  196.00     10174 |  273.00      6187 |
|   51.00     85256 |  127.00    152832 |  197.00      2556 |  274.00     16840 |
|   52.00      4405 |  128.00     11309 |  198.00    363008 |  275.00     97584 |
|   56.00      1965 |  129.00     55704 |  199.00     24968 |  276.00     13253 |
+-------------------+-------------------+-------------------+-------------------+
|   57.00      6391 |  130.00      4710 |  200.00       757 |  277.00      7167 |
|   63.00      3577 |  135.00      4859 |  201.00       781 |  293.00       783 |
|   65.00      1506 |  136.00       670 |  203.00       839 |  296.00     24208 |
|   68.00      1530 |  137.00      2423 |  204.00     11125 |  297.00      3535 |
|   69.00     99200 |  141.00      6775 |  205.00     19328 |  303.00      2963 |
+-------------------+-------------------+-------------------+-------------------+
|   74.00      9619 |  142.00      1723 |  206.00     83840 |  315.00      2888 |
|   75.00     15248 |  147.00      3621 |  207.00     11411 |  316.00       707 |
|   76.00      6040 |  148.00      7518 |  208.00      2567 |  323.00      8891 |
|   77.00    117336 |  149.00       668 |  211.00      3164 |  324.00       672 |
|   78.00      8472 |  153.00       914 |  216.00       783 |  327.00       775 |
+-------------------+-------------------+-------------------+-------------------+
|   79.00      6850 |  154.00       788 |  217.00     21288 |  334.00      5558 |
|   80.00      5401 |  155.00      4007 |  218.00      2851 |  346.00      1586 |
|   81.00      7971 |  156.00      6175 |  221.00     21128 |  352.00      2198 |
|   82.00      1516 |  160.00      1664 |  223.00      4917 |  353.00       813 |
|   83.00      1540 |  161.00      3469 |  224.00     47576 |  354.00      2334 |
+-------------------+-------------------+-------------------+-------------------+
|   86.00      3530 |  165.00      2796 |  225.00     11863 |  365.00     11977 |
|   91.00      1423 |  166.00      1689 |  227.00     17616 |  366.00       809 |
|   92.00      1511 |  167.00     14270 |  228.00      2547 |  372.00      5151 |
|   93.00     12327 |  168.00      7598 |  229.00      4129 |  402.00      1699 |
|   98.00      9312 |  173.00       740 |  231.00       741 |  403.00      2468 |
+-------------------+-------------------+-------------------+-------------------+
|   99.00      8157 |  174.00      3118 |  237.00       720 |  421.00      2199 |
|  101.00      4874 |  175.00      5843 |  242.00      2646 |  422.00      2004 |
|  104.00      2893 |  176.00       710 |  243.00      2898 |  423.00     20352 |
|  105.00      2773 |  177.00      2663 |  244.00     41256 |  424.00      4730 |
|  107.00     38432 |  179.00     11112 |  245.00      5346 |  441.00     53520 |
+-------------------+-------------------+-------------------+-------------------+
|  108.00      6152 |  180.00      8200 |  246.00      6651 |  442.00    374080 |
|  110.00     75432 |  181.00      3730 |  254.00       833 |  443.00     74040 |
|  111.00     11047 |  185.00      5465 |  255.00    195520 |  444.00      7022 |
|  116.00      1701 |  186.00     43392 |  256.00     29104 |                   |
|  117.00     26736 |  187.00     12254 |  257.00      2342 |                   |
+-------------------+-------------------+-------------------+-------------------+
|  118.00      1522 |  189.00      1759 |  258.00     10581 |                   |
|  122.00      2480 |  192.00      3535 |  259.00       690 |                   |
+-------------------+-------------------+-------------------+-------------------+
```

INITIAL CALIBRATION DATA

EPA 8270E

Laboratory:	Analytical Resources, LLC	SDG:	22L0307
Client:	Anchor QEA, LLC	Project:	AOC4 UR Phase 3
Calibration:	FL00066	Instrument:	NT14
Calibration Date:	12/30/2022	Column (1):	ZB-5MS

Calibration Comments: 8270E, 625.1 SVOA ICAL

Compound	Level 01		Level 02		Level 03		Level 04		Level 05		Level 06	
	Conc	RRF	Conc	RRF	Conc	RRF	Conc	RRF	Conc	RRF	Conc	RRF
Phenol	0.2	2.248898	0.5	1.851836	1	1.76565	2.5	1.637458	5	1.696739	10	1.715084
bis(2-chloroethyl) ether	0.2	1.54497	0.5	1.245135	1	1.34222	2.5	1.110277	5	1.12874	10	1.14099
2-Chlorophenol	0.2	1.763769	0.5	1.495197	1	1.42085	2.5	1.310292	5	1.380644	10	1.425301
1,3-Dichlorobenzene	0.2	1.928027	0.5	1.560917	1	1.676215	2.5	1.390052	5	1.417896	10	1.429853
1,4-Dichlorobenzene	0.2	1.843668	0.5	1.466644	1	1.592102	2.5	1.311013	5	1.341617	10	1.364501
1,2-Dichlorobenzene	0.2	1.744909	0.5	1.460902	1	1.559256	2.5	1.282346	5	1.32894	10	1.345527
Benzyl Alcohol	0.2	0.8424446	0.5	0.7382943	1	0.7805735	2.5	0.7300673	5	0.8150927	10	0.8389534
2,2'-Oxybis(1-chloropropane)	0.2	0.5275633	0.5	0.4123621	1	0.457572	2.5	0.3490262	5	0.3953408	10	0.3690057
2-Methylphenol	0.2	1.550705	0.5	1.321363	1	1.270208	2.5	1.19752	5	1.258742	10	1.275566
Hexachloroethane	0.2	0.6430155	0.5	0.5189899	1	0.5636454	2.5	0.4817415	5	0.5075007	10	0.5227387
N-Nitroso-di-n-Propylamine	0.2	0.8597752	0.5	0.7423441	1	0.8554759	2.5	0.7406317	5	0.7827459	10	0.7957393
4-Methylphenol	0.2	1.603588	0.5	1.37883	1	1.339681	2.5	1.251051	5	1.351153	10	1.369765
Nitrobenzene	0.2	0.3885811	0.5	0.3167636	1	0.3452801	2.5	0.300009	5	0.3198136	10	0.33438
Isophorone	0.2	0.4170687	0.5	0.3515477	1	0.4141958	2.5	0.3791228	5	0.434338	10	0.4606781
2-Nitrophenol	0.2	0.2171999	0.5	0.1688016	1	0.1740442	2.5	0.1776769	5	0.2185774	10	0.2277228
2,4-Dimethylphenol	0.4	0.4183843	1	0.3570024	2	0.3338109	5	0.3162839	10	0.330235	20	0.3731136
Bis(2-Chloroethoxy)methane	0.2	0.4034213	0.5	0.3269736	1	0.3533537	2.5	0.2991252	5	0.3061148	10	0.3154836
2,4-Dichlorophenol	0.4	0.3181166	1	0.2810633	2	0.2997364	5	0.2607662	10	0.2834456	20	0.3225223
1,2,4-Trichlorobenzene	0.2	0.3995622	0.5	0.324568	1	0.3351147	2.5	0.2818674	5	0.2887319	10	0.2977799
Naphthalene	0.2	1.221526	0.5	0.9676198	1	1.034687	2.5	0.8739434	5	0.9080378	10	0.9400435
Benzoic acid	0.8	3.061006E-02	2	4.967613E-02	4	8.177999E-02	10	0.1546339	20	0.2250023	40	0.2411076
4-Chloroaniline			1	0.3947866	2	0.4154458	5	0.399002	10	0.3994688	20	0.4154909
Hexachlorobutadiene	0.2	0.1875546	0.5	0.1547453	1	0.1612926	2.5	0.1397884	5	0.1480313	10	0.1540463
4-Chloro-3-Methylphenol			1	0.2703707	2	0.2601314	5	0.2579195	10	0.2840888	20	0.2969454
2-Methylnaphthalene	0.2	0.8553626	0.5	0.6940042	1	0.6998589	2.5	0.6439067	5	0.6834666	10	0.7272495
Hexachlorocyclopentadiene			1	0.2489397	2	0.2936375	5	0.2648457	10	0.3025209	20	0.3350343
2,4,6-Trichlorophenol			1	0.2870169	2	0.3015677	5	0.2999683	10	0.3458369	20	0.3696307

INITIAL CALIBRATION DATA

EPA 8270E

Laboratory:	Analytical Resources, LLC	SDG:	22L0307
Client:	Anchor QEA, LLC	Project:	AOC4 UR Phase 3
Calibration:	FL00066	Instrument:	NT14
Calibration Date:	12/30/2022	Column (1):	ZB-5MS

Calibration Comments: 8270E, 625.1 SVOA ICAL

Compound	Level 01		Level 02		Level 03		Level 04		Level 05		Level 06	
	Conc	RRF	Conc	RRF	Conc	RRF	Conc	RRF	Conc	RRF	Conc	RRF
2,4,5-Trichlorophenol			1	0.361223	2	0.3578205	5	0.3421372	10	0.3965594	20	0.4168822
2-Chloronaphthalene	0.2	1.387569	0.5	1.117638	1	1.228189	2.5	1.003208	5	1.047902	10	1.09962
2-Nitroaniline			1	0.26051	2	0.3076886	5	0.2845123	10	0.306839	20	0.3231995
Acenaphthylene	0.2	2.005887	0.5	1.673991	1	1.898856	2.5	1.590349	5	1.636737	10	1.702987
Dimethylphthalate	0.2	1.295168	0.5	1.078779	1	1.237464	2.5	1.021714	5	1.068789	10	1.091726
2,6-Dinitrotoluene			1	0.2174893	2	0.2687518	5	0.2360681	10	0.2543078	20	0.269795
Acenaphthene	0.2	1.320099	0.5	1.046069	1	1.159189	2.5	0.952877	5	0.9829246	10	1.046455
3-Nitroaniline			1	0.263439	2	0.3182529	5	0.2834771	10	0.3087446	20	0.3334424
2,4-Dinitrophenol			2	8.466972E-02	4	0.1170252	10	0.1557072	20	0.2128194	40	0.2507443
Dibenzofuran	0.2	2.022082	0.5	1.603271	1	1.632918	2.5	1.42838	5	1.49489	10	1.561974
4-Nitrophenol			1	0.1081747	2	0.1206784	5	0.1281484	10	0.1510057	20	0.1581896
2,4-Dinitrotoluene			1	0.291987	2	0.3643157	5	0.3201358	10	0.3514687	20	0.3751801
Fluorene	0.2	1.979275	0.5	1.635556	1	1.791286	2.5	1.665158	5	1.52905	10	1.740605
4-Chlorophenylphenyl ether	0.2	0.9377919	0.5	0.7567725	1	0.9613786	2.5	0.7843464	5	0.8023522	10	0.8307589
Diethyl phthalate	0.2	1.509472	0.5	1.277978	1	1.756654	2.5	1.479429	5	1.529598	10	1.532929
4-Nitroaniline			1	0.3178047	2	0.2965212	5	0.241759	10	0.3722485	20	0.4060248
4,6-Dinitro-2-methylphenol	0.8	9.759356E-02	2	0.1159766	4	0.1356499	10	0.146795	20	0.171322	40	0.1898123
N-Nitrosodiphenylamine	0.2	0.7813904	0.5	0.6690073	1	0.7489188	2.5	0.6153566	5	0.622903	10	0.661175
4-Bromophenyl phenyl ether	0.2	0.2868228	0.5	0.240791	1	0.269851	2.5	0.2281866	5	0.2421925	10	0.2596596
Hexachlorobenzene	0.2	0.3466427	0.5	0.2759322	1	0.3079836	2.5	0.2476557	5	0.2580605	10	0.2695389
Pentachlorophenol			1	0.0640113	2	7.966671E-02	5	9.621021E-02	10	0.1283697	20	0.1422698
Phenanthrene	0.2	1.254213	0.5	1.013236	1	1.120205	2.5	0.9147005	5	0.9459468	10	0.9933942
Anthracene	0.2	1.044702	0.5	0.906473	1	1.045236	2.5	0.8974573	5	0.9652021	10	1.020208
Carbazole	0.2	1.021112	0.5	0.888071	1	1.031749	2.5	0.8588563	5	0.8817249	10	0.9675384
Di-n-Butylphthalate	0.2	0.8688936	0.5	0.7908636	1	0.9951583	2.5	0.944274	5	1.107194	10	1.216543
Fluoranthene	0.2	1.416487	0.5	1.176839	1	1.353283	2.5	1.138026	5	1.253927	10	1.307348
Pyrene	0.2	1.499816	0.5	1.279695	1	1.42524	2.5	1.187021	5	1.297954	10	1.370745

INITIAL CALIBRATION DATA

EPA 8270E

Laboratory:	Analytical Resources, LLC	SDG:	22L0307
Client:	Anchor QEA, LLC	Project:	AOC4 UR Phase 3
Calibration:	FL00066	Instrument:	NT14
Calibration Date:	12/30/2022	Column (1):	ZB-5MS

Calibration Comments: 8270E, 625.1 SVOA ICAL

Compound	Level 01		Level 02		Level 03		Level 04		Level 05		Level 06	
	Conc	RRF	Conc	RRF	Conc	RRF	Conc	RRF	Conc	RRF	Conc	RRF
Butylbenzylphthalate	0.2	0.3971468	0.5	0.3500694	1	0.4531885	2.5	0.4347242	5	0.5331431	10	0.5343125
Benzo(a)anthracene	0.2	1.357158	0.5	1.139124	1	1.286088	2.5	1.073783	5	1.163081	10	1.221004
3,3'-Dichlorobenzidine			1.5	0.3560182	3	0.3921513	7.5	0.3181743	15	0.3074182	30	0.3974804
Chrysene	0.2	1.345974	0.5	1.119691	1	1.215346	2.5	0.995944	5	1.070155	10	1.114624
bis(2-Ethylhexyl)phthalate	0.2	0.3956958	0.5	0.3633061	1	0.4722937	2.5	0.4399021	5	0.4595073	10	0.4959663
Di-n-Octylphthalate	0.2	1.203656	0.5	0.9783901	1	1.062281	2.5	0.8652733	5	0.8559596	10	0.8908453
Benzofluoranthenes, Total	0.4	1.323037	1	1.095539	2	1.244146	5	1.065182	10	1.167852	20	1.259214
Benzo(a)pyrene	0.2	1.066264	0.5	0.9048211	1	1.044788	2.5	0.9273461	5	1.03294	10	1.128387
Indeno(1,2,3-cd)pyrene	0.2	1.237356	0.5	1.045968	1	1.215216	2.5	1.074254	5	1.154658	10	1.247956
Dibenzo(a,h)anthracene	0.2	1.080467	0.5	0.8919761	1	1.02679	2.5	0.8964822	5	0.9628485	10	1.063732
Benzo(g,h,i)perylene	0.2	1.090313	0.5	0.8982822	1	1.020279	2.5	0.8945793	5	0.939054	10	1.031269
1-Methylnaphthalene	0.2	0.8101755	0.5	0.6671364	1	0.6728227	2.5	0.6197289	5	0.661132	10	0.6978153
2-Fluorophenol	0.3	1.456024	0.75	1.192829	1.5	1.408281	3.75	1.19259	7.5	1.242464	15	1.255297
Phenol-d5	0.3	1.690921	0.75	1.442174	1.5	1.685939	3.75	1.45879	7.5	1.57335	15	1.611467
2-Chlorophenol-d4	0.3	1.459762	0.75	1.22369	1.5	1.42935	3.75	1.223216	7.5	1.296086	15	1.334425
1,2-Dichlorobenzene-d4	0.2	1.070291	0.5	0.8775768	1	0.9854004	2.5	0.8052268	5	0.849654	10	0.8797075
Nitrobenzene-d5	0.2	0.3603743	0.5	0.2993225	1	0.3461398	2.5	0.306944	5	0.3334126	10	0.3526347
2-Fluorobiphenyl	0.2	1.590987	0.5	1.260855	1	1.468992	2.5	1.200146	5	1.247683	10	1.303056
2,4,6-Tribromophenol			0.75	0.1314566	1.5	0.1781234	3.75	0.1642932	7.5	0.192641	15	0.2085371
p-Terphenyl-d14	0.2	1.112516	0.5	0.9073567	1	1.063354	2.5	0.8607743	5	0.9199812	10	0.9255223

INITIAL CALIBRATION DATA
EPA 8270E

Laboratory:	Analytical Resources, LLC	SDG:	22L0307
Client:	Anchor QEA, LLC	Project:	AOC4 UR Phase 3
Calibration:	FL00066	Instrument:	NT14
Calibration Date:	12/30/2022	Column (1):	ZB-5MS

Calibration Comments: 8270E, 625.1 SVOA ICAL

Compound	Level 07		Level 08		Level 09		Level 10		Level 11		Level 12	
	Conc	RRF	Conc	RRF	Conc	RRF	Conc	RRF	Conc	RRF	Conc	RRF
Phenol	20	1.680974										
bis(2-chloroethyl) ether	20	1.165055										
2-Chlorophenol	20	1.428978										
1,3-Dichlorobenzene	20	1.439592										
1,4-Dichlorobenzene	20	1.352304										
1,2-Dichlorobenzene	20	1.351887										
Benzyl Alcohol	20	0.8623322										
2,2'-Oxybis(1-chloropropane)	20	0.4097572										
2-Methylphenol	20	1.279195										
Hexachloroethane	20	0.5402442										
N-Nitroso-di-n-Propylamine	20	0.7992017										
4-Methylphenol	20	1.3619										
Nitrobenzene	20	0.3433745										
Isophorone	20	0.5358455										
2-Nitrophenol	20	0.261475										
2,4-Dimethylphenol	40	0.3219617										
Bis(2-Chloroethoxy)methane	20	0.3237199										
2,4-Dichlorophenol	40	0.3002153										
1,2,4-Trichlorobenzene	20	0.3061376										
Naphthalene	20	0.9448258										
Benzoic acid	80	0.2734244										
4-Chloroaniline	40	0.4115465										
Hexachlorobutadiene	20	0.1628415										
4-Chloro-3-Methylphenol	40	0.3015602										
2-Methylnaphthalene	20	0.7506691										
Hexachlorocyclopentadiene	40	0.3692388										
2,4,6-Trichlorophenol	40	0.3991639										

INITIAL CALIBRATION DATA
EPA 8270E

Laboratory:	Analytical Resources, LLC	SDG:	22L0307
Client:	Anchor QEA, LLC	Project:	AOC4 UR Phase 3
Calibration:	FL00066	Instrument:	NT14
Calibration Date:	12/30/2022	Column (1):	ZB-5MS

Calibration Comments: 8270E, 625.1 SVOA ICAL

Compound	Level 07		Level 08		Level 09		Level 10		Level 11		Level 12	
	Conc	RRF	Conc	RRF	Conc	RRF	Conc	RRF	Conc	RRF	Conc	RRF
2,4,5-Trichlorophenol	40	0.437318										
2-Chloronaphthalene	20	1.124676										
2-Nitroaniline	40	0.3220241										
Acenaphthylene	20	1.70286										
Dimethylphthalate	20	1.102727										
2,6-Dinitrotoluene	40	0.2810509										
Acenaphthene	20	1.066498										
3-Nitroaniline	40	0.3491574										
2,4-Dinitrophenol	80	0.2780648										
Dibenzofuran	20	1.614649										
4-Nitrophenol	40	0.1642219										
2,4-Dinitrotoluene	40	0.3926278										
Fluorene	20	1.742016										
4-Chlorophenylphenyl ether	20	0.8421541										
Diethyl phthalate	20	1.646826										
4-Nitroaniline	40	0.4138808										
4,6-Dinitro-2-methylphenol	80	0.2140455										
N-Nitrosodiphenylamine	20	0.7059401										
4-Bromophenyl phenyl ether	20	0.2918486										
Hexachlorobenzene	20	0.2907292										
Pentachlorophenol	40	0.1664906										
Phenanthrene	20	1.058738										
Anthracene	20	1.090063										
Carbazole	20	1.08841										
Di-n-Butylphthalate	20	1.353364										
Fluoranthene	20	1.369675										
Pyrene	20	1.418654										

INITIAL CALIBRATION DATA

EPA 8270E

Laboratory:	Analytical Resources, LLC	SDG:	22L0307
Client:	Anchor QEA, LLC	Project:	AOC4 UR Phase 3
Calibration:	FL00066	Instrument:	NT14
Calibration Date:	12/30/2022	Column (1):	ZB-5MS

Calibration Comments: 8270E, 625.1 SVOA ICAL

Compound	Level 07		Level 08		Level 09		Level 10		Level 11		Level 12	
	Conc	RRF	Conc	RRF	Conc	RRF	Conc	RRF	Conc	RRF	Conc	RRF
Butylbenzylphthalate	20	0.5529701										
Benzo(a)anthracene	20	1.241812										
3,3'-Dichlorobenzidine	60	0.4543797										
Chrysene	20	1.150279										
bis(2-Ethylhexyl)phthalate	20	0.4829547										
Di-n-Octylphthalate	20	0.8647859										
Benzofluoranthenes, Total	40	1.352364										
Benzo(a)pyrene	20	1.210557										
Indeno(1,2,3-cd)pyrene	20	1.340235										
Dibenzo(a,h)anthracene	20	1.144126										
Benzo(g,h,i)perylene	20	1.092432										
1-Methylnaphthalene	20	0.7277069										
2-Fluorophenol	30	1.222943										
Phenol-d5	30	1.623181										
2-Chlorophenol-d4	30	1.343825										
1,2-Dichlorobenzene-d4	20	0.8955576										
Nitrobenzene-d5	20	0.3656038										
2-Fluorobiphenyl	20	1.34248										
2,4,6-Tribromophenol	30	0.2318554										
p-Terphenyl-d14	20	0.9317848										

INITIAL CALIBRATION DATA

EPA 8270E

Laboratory:	Analytical Resources, LLC	SDG:	22L0307
Client:	Anchor QEA, LLC	Project:	AOC4 UR Phase 3
Calibration:	FL00066	Instrument:	NT14
Calibration Date:	12/30/2022	Column (1):	ZB-5MS

Calibration Comments: 8270E, 625.1 SVOA ICAL

COMPOUND	Mean RRF	RRF RSD	Linear COD	Quad COD	Limit Type & Limit	Q
Phenol	1.79952	11.7			RSD (15)	
bis(2-chloroethyl) ether	1.239627	12.7			RSD (15)	
2-Chlorophenol	1.460719	9.9			RSD (15)	
1,3-Dichlorobenzene	1.548936	12.6			RSD (15)	
1,4-Dichlorobenzene	1.467407	13.1			RSD (15)	
1,2-Dichlorobenzene	1.43911	11.4			RSD (15)	
Benzyl Alcohol	0.8011083	6.5			RSD (15)	
2,2'-Oxybis(1-chloropropane)	0.4172325	14.3			RSD (15)	
2-Methylphenol	1.307614	8.7			RSD (15)	
Hexachloroethane	0.5396966	9.7			RSD (15)	
N-Nitroso-di-n-Propylamine	0.7965591	6.0			RSD (15)	
4-Methylphenol	1.379424	7.8			RSD (15)	
Nitrobenzene	0.3354574	8.5			RSD (15)	
Isophorone	0.4275424	13.9			RSD (15)	
2-Nitrophenol	0.2064997	16.6		0.9994	QCOD (0.99)	
2,4-Dimethylphenol	0.3501131	10.3			RSD (15)	
Bis(2-Chloroethoxy)methane	0.3325989	10.8			RSD (15)	
2,4-Dichlorophenol	0.2951237	7.4			RSD (15)	
1,2,4-Trichlorobenzene	0.3191088	12.6			RSD (15)	
Naphthalene	0.9843833	11.8			RSD (15)	
Benzoic acid	0.1508906	65.2		0.9964	QCOD (0.99)	
4-Chloroaniline	0.4059568	2.3			RSD (15)	
Hexachlorobutadiene	0.1583286	9.5			RSD (15)	
4-Chloro-3-Methylphenol	0.2785027	6.7			RSD (15)	
2-Methylnaphthalene	0.7220739	9.4			RSD (15)	
Hexachlorocyclopentadiene	0.3023695	14.7			RSD (15)	
2,4,6-Trichlorophenol	0.3338641	13.4			RSD (15)	
2,4,5-Trichlorophenol	0.3853234	9.7			RSD (15)	
2-Chloronaphthalene	1.144115	11.2			RSD (15)	
2-Nitroaniline	0.3007956	8.0			RSD (15)	

INITIAL CALIBRATION DATA

EPA 8270E

Laboratory:	Analytical Resources, LLC	SDG:	22L0307
Client:	Anchor QEA, LLC	Project:	AOC4 UR Phase 3
Calibration:	FL00066	Instrument:	NT14
Calibration Date:	12/30/2022	Column (1):	ZB-5MS

Calibration Comments: 8270E, 625.1 SVOA ICAL

COMPOUND	Mean RRF	RRF RSD	Linear COD	Quad COD	Limit Type & Limit	Q
Acenaphthylene	1.744524	8.6			RSD (15)	
Dimethylphthalate	1.128052	8.8			RSD (15)	
2,6-Dinitrotoluene	0.2545771	9.4			RSD (15)	
Acenaphthene	1.082016	11.4			RSD (15)	
3-Nitroaniline	0.3094189	10.2			RSD (15)	
2,4-Dinitrophenol	0.1831718	41.8		0.9961	QCOD (0.99)	
Dibenzofuran	1.622595	11.7			RSD (15)	
4-Nitrophenol	0.1384031	16.3		0.9992	QCOD (0.99)	
2,4-Dinitrotoluene	0.3492859	10.6			RSD (15)	
Fluorene	1.726135	8.2			RSD (15)	
4-Chlorophenylphenyl ether	0.8450792	9.1			RSD (15)	
Diethyl phthalate	1.533269	9.7			RSD (15)	
4-Nitroaniline	0.3413732	19.8		0.9965	QCOD (0.99)	
4,6-Dinitro-2-methylphenol	0.1530278	26.9		0.9992	QCOD (0.99)	
N-Nitrosodiphenylamine	0.6863845	9.1			RSD (15)	
4-Bromophenyl phenyl ether	0.2599074	9.3			RSD (15)	
Hexachlorobenzene	0.2852204	11.8			RSD (15)	
Pentachlorophenol	0.1128364	34.9		0.9979	QCOD (0.99)	
Phenanthrene	1.042919	11.1			RSD (15)	
Anthracene	0.9956202	7.4			RSD (15)	
Carbazole	0.9624945	9.2			RSD (15)	
Di-n-Butylphthalate	1.03947	19.1		0.9993	QCOD (0.99)	
Fluoranthene	1.287941	8.0			RSD (15)	
Pyrene	1.354161	7.8			RSD (15)	
Butylbenzylphthalate	0.4650792	16.7		0.9993	QCOD (0.99)	
Benzo(a)anthracene	1.211721	7.9			RSD (15)	
3,3'-Dichlorobenzidine	0.370937	14.8			RSD (15)	
Chrysene	1.144573	9.8			RSD (15)	
bis(2-Ethylhexyl)phthalate	0.4442323	10.9			RSD (15)	
Di-n-Octylphthalate	0.9601702	13.7			RSD (15)	

INITIAL CALIBRATION DATA
EPA 8270E

Laboratory:	Analytical Resources, LLC	SDG:	22L0307
Client:	Anchor QEA, LLC	Project:	AOC4 UR Phase 3
Calibration:	FL00066	Instrument:	NT14
Calibration Date:	12/30/2022	Column (1):	ZB-5MS

Calibration Comments: 8270E, 625.1 SVOA ICAL

COMPOUND	Mean RRF	RRF RSD	Linear COD	Quad COD	Limit Type & Limit	Q
Benzofluoranthenes, Total	1.215333	9.0			RSD (15)	
Benzo(a)pyrene	1.045015	10.2			RSD (15)	
Indeno(1,2,3-cd)pyrene	1.187949	8.7			RSD (15)	
Dibenzo(a,h)anthracene	1.009489	9.5			RSD (15)	
Benzo(g,h,i)perylene	0.9951726	8.5			RSD (15)	
1-Methylnaphthalene	0.6937882	8.8			RSD (15)	
2-Fluorophenol	1.28149	8.3			RSD (15)	
Phenol-d5	1.583689	6.3			RSD (15)	
2-Chlorophenol-d4	1.330051	6.9			RSD (15)	
1,2-Dichlorobenzene-d4	0.9090592	9.9			RSD (15)	
Nitrobenzene-d5	0.337776	7.7			RSD (15)	
2-Fluorobiphenyl	1.344886	10.3			RSD (15)	
2,4,6-Tribromophenol	0.1844845	19.0		0.9994	QCOD (0.99)	
p-Terphenyl-d14	0.9601842	9.5			RSD (15)	

Analytical Resources, LLC
Analytical Chemists and Consultants

Printed: 1/4/2023 8:44:50AM

ANALYSIS SEQUENCE

SKL0355

Instrument:	NT14	Element Column ID:	K005461
Calibration ID:	FL00066	Tune File:	221222.U
EM Voltage:	1647		

Lab Number	Sample Name	Analysis	Container	Order	STD ID	ISTD ID	Analyzed	File ID	Analyst	Comments
SKL0355-TUN1	MS Tune	QC		1	K004775		12/30/2022 07:53	NT1422123001.D	VTS	
SKL0355-CAL5	CAL 5	QC		2	K011109	K010831	12/30/2022 08:06	NT1422123002.D	VTS	
SKL0355-CAL7	CAL 20	QC		3	K011111	K010831	12/30/2022 08:42	NT1422123003.D	VTS	
SKL0355-CAL1	CAL 0.2	QC		4	K011105	K010831	12/30/2022 09:18	NT1422123004.D	VTS	
SKL0355-CAL6	CAL 10	QC		5	K011110	K010831	12/30/2022 09:54	NT1422123005.D	VTS	
SKL0355-CAL2	CAL 0.5	QC		6	K011106	K010831	12/30/2022 10:30	NT1422123006.D	VTS	
SKL0355-CAL4	CAL 2.5	QC		7	K011108	K010831	12/30/2022 11:07	NT1422123007.D	VTS	
SKL0355-CAL3	CAL 1.0	QC		8	K011107	K010831	12/30/2022 11:43	NT1422123008.D	VTS	
SKL0355-ICV1	SICV1	QC		9	K010066	K010831	12/30/2022 13:31	NT1422123011.D	VTS	
SKL0355-ICB1	Initial Cal Blank	QC		10	K005156	K010831	12/30/2022 14:08	NT1422123012.D	VTS	
SKL0355-ICV2	ABN 5	QC		11	K011109	K010831	12/30/2022 15:53	NT1422123014.D	VTS	
SKL0355-ICV3	ABN 5	QC		12	K011109	K010831				
22K0241-02RE1	HL-20221110	(20ug/kg solid or 0.2ug/L l	D 03	13		K010831	12/31/2022 06:20	NT1422123038.D	VTS	Added 1/3/2023 by VTS
22K0399-08RE1	DM-15-S-Dup	(20ug/kg solid or 0.2ug/L l	B 01	14		K010831	12/31/2022 06:56	NT1422123039.D	VTS	Added 12/24/2022 by VTS
22K0399-19RE1	DM-20-C-0-1	(20ug/kg solid or 0.2ug/L l	B 01	15		K010831	12/31/2022 07:32	NT1422123040.D	VTS	Added 12/23/2022 by VTS
22K0399-22RE1	DM-11-C-1-3	(20ug/kg solid or 0.2ug/L l	B 01	16		K010831	12/31/2022 08:08	NT1422123041.D	VTS	Added 12/23/2022 by VTS
22K0399-29RE1	DM-08-C-1-3	(20ug/kg solid or 0.2ug/L l	B 01	17		K010831	12/31/2022 08:44	NT1422123042.D	VTS	Added 12/31/2022 by VTS
SKL0355-ICV4	ABN 5	QC		18	K011109	K010831				
22K0021-01RE1	EWWST9-110122	(20ug/kg solid or 0.2ug/L l	A 02	19		K010831				Added 12/20/2022 by VTS
22K0045-01RE1	304509-01	(20ug/kg solid or 0.2ug/L l	A 02	20		K010831				Added 12/20/2022 by VTS
22K0045-02RE1	304509-02	(20ug/kg solid or 0.2ug/L l	A 02	21		K010831				Added 12/20/2022 by VTS
22K0045-03RE1	304509-03	(20ug/kg solid or 0.2ug/L l	A 02	22		K010831				Added 12/20/2022 by VTS

Printed: 1/4/2023 8:44:50AM

ANALYSIS SEQUENCE

SKL0355

Instrument: NT14
Calibration ID: FL00066
EM Voltage: 1647
Element Column ID: K005461
Tune File: 221222.U

Lab Number	Sample Name	Analysis	Container	Order	STD ID	ISTD ID	Analyzed	File ID	Analyst	Comments
22K0045-04RE1	304509-04	(20ug/kg solid or 0.2ug/L l	A 02	23		K010831				Added 12/20/2022 by VTS
22K0045-05RE1	304509-05	(20ug/kg solid or 0.2ug/L l	A 02	24		K010831				Added 12/20/2022 by VTS
SKL0355-ICV5	ABN 5	QC		25	K011109	K010831				
BKL0193-BLK1	Blank	QC		26		K010831				
BKL0193-BS1	LCS	QC		27		K010831				
BKL0193-BSD1	LCS Dup	QC		28		K010831				
BKL0193-SRM1	Reference	QC		29		K010831				
BKL0193-MS1	Matrix Spike	QC		30		K010831				
BKL0193-MSD1	Matrix Spike Dup	QC		31		K010831				
22L0104-01	LDW22-SS773	(20ug/kg solid or 0.2ug/L l	B 02	32		K010831				
22L0104-02	LDW22-SS774	(20ug/kg solid or 0.2ug/L l	B 02	33		K010831				If started finish and hold extract
22L0136-01	LDW22-SS823	(20ug/kg solid or 0.2ug/L l	A 02	34		K010831				
22L0136-08	LDW22-SS786	(20ug/kg solid or 0.2ug/L l	A 02	35		K010831				
22L0136-09	LDW22-SS766	(20ug/kg solid or 0.2ug/L l	A 02	36		K010831				
22L0136-10	LDW22-SS771	(20ug/kg solid or 0.2ug/L l	A 02	37		K010831				
22L0136-11	LDW22-SS771-FD	(20ug/kg solid or 0.2ug/L l	A 02	38		K010831				
22L0136-12	LDW22-SS772	(20ug/kg solid or 0.2ug/L l	A 02	39		K010831				
SKL0355-CCV1	ABN 5	QC		40	K011109	K010834				

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INTERNAL STANDARD SUMMARY FOR DATABATCH - \\target\share\chem3\nt14.i\20221230.b

    Time   Filename    LabID     ClientId       DF
------------------------------------------------------------------------------------------------------------------------------------------------------------------
 1  0753  NT1422123001.D   SKL0355-TUN1                1  |NO ISTDS FOUND||
------------------------------------------------------------------------------------------------------------------------------------------------------------------
 2  0806  NT1422123002.D   SKL0355-CAL5                1  | 9.18   151013||11.69   553510||15.33   305411||18.38   491708||23.42   424740||26.10   395150||24.44   684951|
------------------------------------------------------------------------------------------------------------------------------------------------------------------
 3  0842  NT1422123003.D   SKL0355-CAL7                1  | 9.18   143300||11.70   507556||15.33   290278||18.38   423275||23.42   399899||26.11   359748||24.44   687276|
------------------------------------------------------------------------------------------------------------------------------------------------------------------
 4  0918  NT1422123004.D   SKL0355-CAL1                1  | 9.18   156948||11.69   570074||15.33   297614||18.37   498496||23.41   404183||26.10   371728||24.44   540769|
------------------------------------------------------------------------------------------------------------------------------------------------------------------
 5  0954  NT1422123005.D   SKL0355-CAL6                1  | 9.18   144388||11.69   520524||15.33   291597||18.38   457445||23.42   408635||26.10   373712||24.44   652062|
------------------------------------------------------------------------------------------------------------------------------------------------------------------
 6  1030  NT1422123006.D   SKL0355-CAL2                1  | 9.18   156057||11.69   571985||15.33   301808||18.37   495600||23.41   403440||26.10   378046||24.44   538411|
------------------------------------------------------------------------------------------------------------------------------------------------------------------
 7  1107  NT1422123007.D   SKL0355-CAL4                1  | 9.18   144333||11.69   532256||15.33   287473||18.37   465065||23.41   401380||26.10   368275||24.44   554407|
------------------------------------------------------------------------------------------------------------------------------------------------------------------
 8  1143  NT1422123008.D   SKL0355-CAL3                1  | 9.18   148086||11.69   558364||15.33   288519||18.37   472142||23.41   394732||26.10   370479||24.44   526757|
------------------------------------------------------------------------------------------------------------------------------------------------------------------
 9  1219  NT1422123009.D   SKL0356-CAL1                1  | 9.18   146141||11.69   533259||15.33   275387||18.37   457503||23.41   370157||26.10   345259||24.44   434329|
------------------------------------------------------------------------------------------------------------------------------------------------------------------
10  1255  NT1422123010.D                             1  | 9.18   150179||11.69   554597||15.33   282107||18.37   470125||23.41   374625||26.10   352812||24.44   438400|
------------------------------------------------------------------------------------------------------------------------------------------------------------------
11  1331  NT1422123011.D   SKL0355-ICV1                1  | 9.18   145276||11.69   542519||15.33   292314||18.37   478070||23.42   412507||26.10   379639||24.44   590464|
------------------------------------------------------------------------------------------------------------------------------------------------------------------
12  1408  NT1422123012.D   SKL0355-ICB1                1  | 9.18   174509||11.69   641934||15.33   335436||18.37   560033||23.41   444498||26.10   423100||24.44   541261|
------------------------------------------------------------------------------------------------------------------------------------------------------------------
13  1516  NT1422123013.D              NOT USING      1  | 9.18   146864||11.69   550707||15.33   275006||18.37   643649||23.42   583196||26.11   599166||24.44   900001|
------------------------------------------------------------------------------------------------------------------------------------------------------------------
14  1553  NT1422123014.D   SKL0355-ICV2                1  | 9.18   130476||11.69   484478||15.33   261445||18.37   412822||23.41   349122||26.10   327130||24.44   522046|
------------------------------------------------------------------------------------------------------------------------------------------------------------------
15  1629  NT1422123015.D                             1  | 9.18   132066||11.69   499724||15.33   257503||18.37   413048||23.41   335724||26.09   308207||24.44   434247|
------------------------------------------------------------------------------------------------------------------------------------------------------------------
16  1705  NT1422123016.D   BKK0733-BLK1                1  | 9.18   126906||11.69   483124||15.32   256877||18.37   444495||23.41   333261||26.09   320178||24.44   495841|
------------------------------------------------------------------------------------------------------------------------------------------------------------------
17  1741  NT1422123017.D   BKK0733-BS1                1  | 9.18   124003||11.69   465208||15.33   251001||18.37   418062||23.41   342657||26.10   324681||24.44   577170|
------------------------------------------------------------------------------------------------------------------------------------------------------------------
18  1818  NT1422123018.D   BKK0733-BSD1                1  | 9.18   124976||11.69   467689||15.33   258016||18.37   428907||23.41   356316||26.09   340564||24.44   643011|
------------------------------------------------------------------------------------------------------------------------------------------------------------------
19  1854  NT1422123019.D   22K0399-01                1  | 9.18   121953||11.69   458530||15.32   242934||18.37   396367||23.41   291013||26.10   344522||24.44   561675|
------------------------------------------------------------------------------------------------------------------------------------------------------------------
20  1930  NT1422123020.D   BKK0733-MS1                1  | 9.18   115884||11.69   434586||15.33   230677||18.38   374636||23.42   295274||26.11   347439||24.44   560195|
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INTERNAL STANDARD SUMMARY FOR DATABATCH - \\target\share\chem3\nt14.i\20221230.b

```
    Time   Filename    LabID     ClientId       DF
--------------------------------------------------------------------------------------------------------------------------------------------------------------------
21  2006  NT1422123021.D   BKK0733-MSD1                1  | 9.18   115038||11.69   422786||15.33   231453||18.38   377450||23.42   296619||26.11   342779||24.44   551214|
--------------------------------------------------------------------------------------------------------------------------------------------------------------------
22  2042  NT1422123022.D   22K0399-07                1  | 9.18   118717||11.69   440463||15.33   235964||18.38   394316||23.42   287701||26.11   334549||24.44   535369|
--------------------------------------------------------------------------------------------------------------------------------------------------------------------
23  2119  NT1422123023.D   22K0399-08                1  | 9.18   119344||11.69   442541||15.33   234795||18.38   389401||23.42   283797||26.11   329236||24.44   507254|
--------------------------------------------------------------------------------------------------------------------------------------------------------------------
24  2155  NT1422123024.D   22K0399-31                1  | 9.18   120549||11.69   456717||15.33   235065||18.38   385218||23.42   290921||26.12   332471||24.44   522799|
--------------------------------------------------------------------------------------------------------------------------------------------------------------------
25  2231  NT1422123025.D   22K0399-43                1  | 9.18   115488||11.69   438973||15.33   230528||18.38   372346||23.42   316873||26.13   312137||24.45   540998|
--------------------------------------------------------------------------------------------------------------------------------------------------------------------
26  2307  NT1422123026.D   22K0399-44                1  | 9.18   114799||11.69   429093||15.33   225512||18.38   375444||23.42   344033||26.14   334179||24.45   548267|
--------------------------------------------------------------------------------------------------------------------------------------------------------------------
27  2343  NT1422123027.D   BKK0733-SRM1                1  | 9.18   116509||11.69   420160||15.33   224093||18.38   385101||23.42   308820||26.10   324504||24.44   539884|
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MANUAL INTEGRATION SUMMARY FOR DATABATCH - \\target\share\chem3\nt14.i\20221230.b

Instrument: nt14.i   Date: 30-DEC-2022

```
Time  Filename          LabID             DF   Manually Integrated Compounds
---------------------------------------------------------------------------------------------------------------------------------------------------------------------
0753  NT1422123001.D   SKL0355-TUN1       1    NO MANUAL INTEGRATION
---------------------------------------------------------------------------------------------------------------------------------------------------------------------
0806  NT1422123002.D   SKL0355-CAL5       1    2,2'-oxybis(1-Chloropropane),     Benzo(g,h,i)perylene,
---------------------------------------------------------------------------------------------------------------------------------------------------------------------
0842  NT1422123003.D   SKL0355-CAL7       1    2,2'-oxybis(1-Chloropropane),
---------------------------------------------------------------------------------------------------------------------------------------------------------------------
0918  NT1422123004.D   SKL0355-CAL1       1    2,2'-oxybis(1-Chloropropane),     Benzoic acid,
---------------------------------------------------------------------------------------------------------------------------------------------------------------------
0954  NT1422123005.D   SKL0355-CAL6       1    2,2'-oxybis(1-Chloropropane),
---------------------------------------------------------------------------------------------------------------------------------------------------------------------
1030  NT1422123006.D   SKL0355-CAL2       1    2,2'-oxybis(1-Chloropropane),     Benzoic acid,
---------------------------------------------------------------------------------------------------------------------------------------------------------------------
1107  NT1422123007.D   SKL0355-CAL4       1    2,2'-oxybis(1-Chloropropane),
---------------------------------------------------------------------------------------------------------------------------------------------------------------------
1143  NT1422123008.D   SKL0355-CAL3       1    2,2'-oxybis(1-Chloropropane),
---------------------------------------------------------------------------------------------------------------------------------------------------------------------
1219  NT1422123009.D   SKL0356-CAL1       1    NO MANUAL INTEGRATION
---------------------------------------------------------------------------------------------------------------------------------------------------------------------
1255  NT1422123010.D                      1    NO MANUAL INTEGRATION
---------------------------------------------------------------------------------------------------------------------------------------------------------------------
1331  NT1422123011.D   SKL0355-ICV1       1    NO MANUAL INTEGRATION
---------------------------------------------------------------------------------------------------------------------------------------------------------------------
1408  NT1422123012.D   SKL0355-ICB1       1    NO MANUAL INTEGRATION
---------------------------------------------------------------------------------------------------------------------------------------------------------------------
1516  NT1422123013.D                      1    NO MANUAL INTEGRATION
---------------------------------------------------------------------------------------------------------------------------------------------------------------------
1553  NT1422123014.D   SKL0355-ICV2       1    NO MANUAL INTEGRATION
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1629  NT1422123015.D                      1    NO MANUAL INTEGRATION
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1705  NT1422123016.D   BKK0733-BLK1       1    NO MANUAL INTEGRATION
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1741  NT1422123017.D   BKK0733-BS1        1    NO MANUAL INTEGRATION
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MANUAL INTEGRATION SUMMARY FOR DATABATCH - \\target\share\chem3\nt14.i\20221230.b

Instrument: nt14.i   Date: 30-DEC-2022

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Time  Filename          LabID             DF   Manually Integrated Compounds
------------------------------------------------------------------------------------------------------------------------------------------------------------------
1818  NT1422123018.D   BKK0733-BSD1       1    NO MANUAL INTEGRATION
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1854  NT1422123019.D   22K0399-01         1    NO MANUAL INTEGRATION
------------------------------------------------------------------------------------------------------------------------------------------------------------------
1930  NT1422123020.D   BKK0733-MS1        1    NO MANUAL INTEGRATION
------------------------------------------------------------------------------------------------------------------------------------------------------------------
2006  NT1422123021.D   BKK0733-MSD1       1    NO MANUAL INTEGRATION
------------------------------------------------------------------------------------------------------------------------------------------------------------------
2042  NT1422123022.D   22K0399-07         1    NO MANUAL INTEGRATION
------------------------------------------------------------------------------------------------------------------------------------------------------------------
2119  NT1422123023.D   22K0399-08         1    NO MANUAL INTEGRATION
------------------------------------------------------------------------------------------------------------------------------------------------------------------
2155  NT1422123024.D   22K0399-31         1    NO MANUAL INTEGRATION
------------------------------------------------------------------------------------------------------------------------------------------------------------------
2231  NT1422123025.D   22K0399-43         1    NO MANUAL INTEGRATION
------------------------------------------------------------------------------------------------------------------------------------------------------------------
2307  NT1422123026.D   22K0399-44         1    NO MANUAL INTEGRATION
------------------------------------------------------------------------------------------------------------------------------------------------------------------
2343  NT1422123027.D   BKK0733-SRM1       1    NO MANUAL INTEGRATION
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Security Status Report

Date: 04-Jan-2023 08:39

+-------------------------+--------------------------+----------------------------------------+
|           NT1422123001.D|               Data Locked|                  van, 04-Jan-2023 08:39|
|           NT1422123002.D|               Data Locked|                  van, 04-Jan-2023 08:39|
|           NT1422123003.D|               Data Locked|                  van, 04-Jan-2023 08:39|
|           NT1422123004.D|               Data Locked|                  van, 04-Jan-2023 08:39|
|           NT1422123005.D|               Data Locked|                  van, 04-Jan-2023 08:39|
|           NT1422123006.D|               Data Locked|                  van, 04-Jan-2023 08:39|
|           NT1422123007.D|               Data Locked|                  van, 04-Jan-2023 08:39|
|           NT1422123008.D|               Data Locked|                  van, 04-Jan-2023 08:39|
|           NT1422123009.D|               Data Locked|                  van, 04-Jan-2023 08:39|
|           NT1422123010.D|               Data Locked|                  van, 04-Jan-2023 08:39|
|           NT1422123011.D|               Data Locked|                  van, 04-Jan-2023 08:39|
|           NT1422123012.D|               Data Locked|                  van, 04-Jan-2023 08:39|
|           NT1422123013.D|               Data Locked|                  van, 04-Jan-2023 08:39|
|           NT1422123014.D|               Data Locked|                  van, 04-Jan-2023 08:39|
|           NT1422123015.D|               Data Locked|                  van, 04-Jan-2023 08:39|
|           NT1422123016.D|               Data Locked|                  van, 04-Jan-2023 08:39|
|           NT1422123017.D|               Data Locked|                  van, 04-Jan-2023 08:39|
|           NT1422123018.D|               Data Locked|                  van, 04-Jan-2023 08:39|
|           NT1422123019.D|               Data Locked|                  van, 04-Jan-2023 08:39|
|           NT1422123020.D|               Data Locked|                  van, 04-Jan-2023 08:39|
|           NT1422123021.D|               Data Locked|                  van, 04-Jan-2023 08:39|
|           NT1422123022.D|               Data Locked|                  van, 04-Jan-2023 08:39|
|           NT1422123023.D|               Data Locked|                  van, 04-Jan-2023 08:39|
|           NT1422123024.D|               Data Locked|                  van, 04-Jan-2023 08:39|
|           NT1422123025.D|               Data Locked|                  van, 04-Jan-2023 08:39|
|           NT1422123026.D|               Data Locked|                  van, 04-Jan-2023 08:39|
|           NT1422123027.D|               Data Locked|                  van, 04-Jan-2023 08:39|
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                                  ARI Labs, Inc.

                             INITIAL CALIBRATION DATA

Start Cal Date   : 30-DEC-2022 08:06
End Cal Date     : 30-DEC-2022 11:43
Quant Method     : ISTD
Origin           : Force
Target Version   : 4.14
Integrator       : HP RTE
Method file      : \\target\share\chem3\nt14.i\20221230.b\ABN.m
Last Edit        : 30-Dec-2022 17:01 deenayd

Calibration File Names:
Level 1: \\target\share\chem3\nt14.i\20221230.b\NT1422123004.D
Level 2: \\target\share\chem3\nt14.i\20221230.b\NT1422123006.D
Level 3: \\target\share\chem3\nt14.i\20221230.b\NT1422123008.D
Level 4: \\target\share\chem3\nt14.i\20221230.b\NT1422123007.D
Level 5: \\target\share\chem3\nt14.i\20221230.b\NT1422123002.D
Level 6: \\target\share\chem3\nt14.i\20221230.b\NT1422123005.D
Level 7: \\target\share\chem3\nt14.i\20221230.b\NT1422123003.D

 _____________________________________________________________________________________________________________________________________________________________________
|                                   | 0.2000000 | 0.5000000 |  1.0000   |  2.5000   |  5.0000   |  10.0000  |     |           Coefficients         |  %RSD    |
|   Compound                        |  Level 1  |  Level 2  |  Level 3  |  Level 4  |  Level 5  |  Level 6  |Curve|    b         m1         m2     |  or R^2  |
|                                   |-----------|-----------|-----------|-----------|-----------|-----------|     |                                |          |
|                                   |  20.0000  |           |           |           |           |           |     |                                |          |
|                                   |  Level 7  |           |           |           |           |           |     |                                |          |
|===================================|===========|===========|===========|===========|===========|===========|=====|================================|==========|
|  186 Carbaryl                     |   +++++   |   +++++   |   +++++   |   +++++   |   +++++   |   +++++   |     |          |          |          |          |
|                                   |   +++++   |           |           |           |           |           |AVRG |          |0.000e+000|          |0.000e+000|<-
|-----------------------------------|-----------|-----------|-----------|-----------|-----------|-----------|-----|----------|----------|----------|----------|
|  179 n-Decane                     |   +++++   |   +++++   |   +++++   |   +++++   |   +++++   |   +++++   |     |          |          |          |          |
|                                   |   +++++   |           |           |           |           |           |AVRG |          |0.000e+000|          |0.000e+000|<-
|-----------------------------------|-----------|-----------|-----------|-----------|-----------|-----------|-----|----------|----------|----------|----------|
|  180 n-Octadecane                 |   +++++   |   +++++   |   +++++   |   +++++   |   +++++   |   +++++   |     |          |          |          |          |
|                                   |   +++++   |           |           |           |           |           |AVRG |          |0.000e+000|          |0.000e+000|<-
|-----------------------------------|-----------|-----------|-----------|-----------|-----------|-----------|-----|----------|----------|----------|----------|
|  169 4-tert-Butylphenol           |   +++++   |   +++++   |   +++++   |   +++++   |   +++++   |   +++++   |     |          |          |          |          |
|                                   |   +++++   |           |           |           |           |           |AVRG |          |0.000e+000|          |0.000e+000|
|-----------------------------------|-----------|-----------|-----------|-----------|-----------|-----------|-----|----------|----------|----------|----------|
|___________________________________|___________|___________|___________|___________|___________|___________|_____|__________|__________|__________|__________|
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Report Date : 31-Dec-2022 10:10                                                                  Page 2


                                   ARI Labs, Inc.

                              INITIAL CALIBRATION DATA

Start Cal Date  : 30-DEC-2022 08:06
End Cal Date    : 30-DEC-2022 11:43
Quant Method    : ISTD
Origin          : Force
Target Version  : 4.14
Integrator      : HP RTE
Method file     : \\target\share\chem3\nt14.i\20221230.b\ABN.m
Last Edit       : 30-Dec-2022 17:01 deenayd

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|                                   | 0.2000000 | 0.5000000 |  1.0000   |  2.5000   |  5.0000   |  10.0000  |     |              Coefficients           |   %RSD   |
|   Compound                        |  Level 1  |  Level 2  |  Level 3  |  Level 4  |  Level 5  |  Level 6  |Curve|    b          m1          m2        | or R^2   |
|                                   |-----------|-----------|-----------|-----------|-----------|-----------|     |                                     |          |
|                                   |  20.0000  |           |           |           |           |           |     |                                     |          |
|                                   |  Level 7  |           |           |           |           |           |     |                                     |          |
|===================================|===========|===========|===========|===========|===========|===========|=====|=====================================|==========|
|  170 N,N-Dimethylaniline          |   +++++   |   +++++   |   +++++   |   +++++   |   +++++   |   +++++   |     |          |          |          |          |
|                                   |   +++++   |           |           |           |           |           |AVRG |          |0.000e+000|          |0.000e+000|
|-----------------------------------|-----------|-----------|-----------|-----------|-----------|-----------|-----|----------|----------|----------|----------|
|  171 2,3-Dimethylaniline          |   +++++   |   +++++   |   +++++   |   +++++   |   +++++   |   +++++   |     |          |          |          |          |
|                                   |   +++++   |           |           |           |           |           |AVRG |          |0.000e+000|          |0.000e+000|
|-----------------------------------|-----------|-----------|-----------|-----------|-----------|-----------|-----|----------|----------|----------|----------|
|  172 2,4-Dimethylaniline          |   +++++   |   +++++   |   +++++   |   +++++   |   +++++   |   +++++   |     |          |          |          |          |
|                                   |   +++++   |           |           |           |           |           |AVRG |          |0.000e+000|          |0.000e+000|
|-----------------------------------|-----------|-----------|-----------|-----------|-----------|-----------|-----|----------|----------|----------|----------|
|  173 2,5-Dimethylaniline          |   +++++   |   +++++   |   +++++   |   +++++   |   +++++   |   +++++   |     |          |          |          |          |
|                                   |   +++++   |           |           |           |           |           |AVRG |          |0.000e+000|          |0.000e+000|
|-----------------------------------|-----------|-----------|-----------|-----------|-----------|-----------|-----|----------|----------|----------|----------|
|  174 2,6-Dimethylaniline          |   +++++   |   +++++   |   +++++   |   +++++   |   +++++   |   +++++   |     |          |          |          |          |
|                                   |   +++++   |           |           |           |           |           |AVRG |          |0.000e+000|          |0.000e+000|
|-----------------------------------|-----------|-----------|-----------|-----------|-----------|-----------|-----|----------|----------|----------|----------|
|  175 3,4-Dimethylaniline          |   +++++   |   +++++   |   +++++   |   +++++   |   +++++   |   +++++   |     |          |          |          |          |
|                                   |   +++++   |           |           |           |           |           |AVRG |          |0.000e+000|          |0.000e+000|
|-----------------------------------|-----------|-----------|-----------|-----------|-----------|-----------|-----|----------|----------|----------|----------|
|  176 3,5-Dimethylaniline          |   +++++   |   +++++   |   +++++   |   +++++   |   +++++   |   +++++   |     |          |          |          |          |
|                                   |   +++++   |           |           |           |           |           |AVRG |          |0.000e+000|          |0.000e+000|
|-----------------------------------|-----------|-----------|-----------|-----------|-----------|-----------|-----|----------|----------|----------|----------|
|___________________________________|___________|___________|___________|___________|___________|___________|_____|__________|__________|__________|__________|
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ARI Labs, Inc.

INITIAL CALIBRATION DATA

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Start Cal Date    : 30-DEC-2022 08:06
End Cal Date      : 30-DEC-2022 11:43
Quant Method      : ISTD
Origin            : Force
Target Version    : 4.14
Integrator        : HP RTE
Method file       : \\target\share\chem3\nt14.i\20221230.b\ABN.m
Last Edit         : 30-Dec-2022 17:01 deenayd
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 ____________________________________________________________________________________________________________________________________________________________________________
|                                  | 0.2000000 | 0.5000000 |  1.0000   |  2.5000   |  5.0000   |  10.0000  |     |              Coefficients            |   %RSD   |
|   Compound                       |  Level 1  |  Level 2  |  Level 3  |  Level 4  |  Level 5  |  Level 6  |Curve|    b          m1          m2         |  or R^2  |
|                                  |-----------|-----------|-----------|-----------|-----------|-----------|     |                                      |          |
|                                  |  20.0000  |           |           |           |           |           |     |                                      |          |
|                                  |  Level 7  |           |           |           |           |           |     |                                      |          |
|==================================|===========|===========|===========|===========|===========|===========|=====|======================================|==========|
|  177 p-Benzoquinone              |   +++++   |   +++++   |   +++++   |   +++++   |   +++++   |   +++++   |     |          |            |          |          |
|                                  |   +++++   |           |           |           |           |           |AVRG |          |0.000e+000|            |0.000e+000|<-
|----------------------------------|-----------|-----------|-----------|-----------|-----------|-----------|-----|----------|----------|----------|----------|
|  168 Pentachlorobenzene          |   +++++   |   +++++   |   +++++   |   +++++   |   +++++   |   +++++   |     |          |            |          |          |
|                                  |   +++++   |           |           |           |           |           |AVRG |          |0.000e+000|            |0.000e+000|<-
|----------------------------------|-----------|-----------|-----------|-----------|-----------|-----------|-----|----------|----------|----------|----------|
|  145 4,4'-DDE                    |   +++++   |   +++++   |   +++++   |   +++++   |   +++++   |   +++++   |     |          |            |          |          |
|                                  |   +++++   |           |           |           |           |           |AVRG |          |0.000e+000|            |0.000e+000|
|----------------------------------|-----------|-----------|-----------|-----------|-----------|-----------|-----|----------|----------|----------|----------|
|  146 4,4'-DDD                    |   +++++   |   +++++   |   +++++   |   +++++   |   +++++   |   +++++   |     |          |            |          |          |
|                                  |   +++++   |           |           |           |           |           |AVRG |          |0.000e+000|            |0.000e+000|
|----------------------------------|-----------|-----------|-----------|-----------|-----------|-----------|-----|----------|----------|----------|----------|
|  147 4,4'-DDT                    |   +++++   |   +++++   |   +++++   |   +++++   |   +++++   |   +++++   |     |          |            |          |          |
|                                  |   +++++   |           |           |           |           |           |AVRG |          |0.000e+000|            |0.000e+000|
|----------------------------------|-----------|-----------|-----------|-----------|-----------|-----------|-----|----------|----------|----------|----------|
|  148 Dieldrin                    |   +++++   |   +++++   |   +++++   |   +++++   |   +++++   |   +++++   |     |          |            |          |          |
|                                  |   +++++   |           |           |           |           |           |AVRG |          |0.000e+000|            |0.000e+000|
|----------------------------------|-----------|-----------|-----------|-----------|-----------|-----------|-----|----------|----------|----------|----------|
|  149 TCMX                        |   +++++   |   +++++   |   +++++   |   +++++   |   +++++   |   +++++   |     |          |            |          |          |
|                                  |   +++++   |           |           |           |           |           |AVRG |          |0.000e+000|            |0.000e+000|
|----------------------------------|-----------|-----------|-----------|-----------|-----------|-----------|-----|----------|----------|----------|----------|
|__________________________________|___________|___________|___________|___________|___________|___________|_____|__________|__________|__________|__________|
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ARI Labs, Inc.

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Start Cal Date   : 30-DEC-2022 08:06
End Cal Date     : 30-DEC-2022 11:43
Quant Method     : ISTD
Origin           : Force
Target Version   : 4.14
Integrator       : HP RTE
Method file      : \\target\share\chem3\nt14.i\20221230.b\ABN.m
Last Edit        : 30-Dec-2022 17:01 deenayd
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 ________________________________________________________________________________________________________________________________________________________________
|                                    | 0.2000000 | 0.5000000 |  1.0000   |  2.5000   |  5.0000   |  10.0000  |     |            Coefficients              |   %RSD   |
|   Compound                         |  Level 1  |  Level 2  |  Level 3  |  Level 4  |  Level 5  |  Level 6  |Curve|    b          m1          m2         |  or R^2  |
|                                    |-----------|-----------|-----------|-----------|-----------|-----------|     |                                      |          |
|                                    |  20.0000  |           |           |           |           |           |     |                                      |          |
|                                    |  Level 7  |           |           |           |           |           |     |                                      |          |
|====================================|===========|===========|===========|===========|===========|===========|=====|======================================|==========|
|  150 DCBP                          |   +++++   |   +++++   |   +++++   |   +++++   |   +++++   |   +++++   |     |          |           |           |          |
|                                    |   +++++   |           |           |           |           |           |AVRG |          |0.000e+000|           |0.000e+000|
|------------------------------------|-----------|-----------|-----------|-----------|-----------|-----------|-----|----------|----------|-----------|----------|
|  138 Chlorobenzilate               |   +++++   |   +++++   |   +++++   |   +++++   |   +++++   |   +++++   |     |          |           |           |          |
|                                    |   +++++   |           |           |           |           |           |AVRG |          |0.000e+000|           |0.000e+000|
|------------------------------------|-----------|-----------|-----------|-----------|-----------|-----------|-----|----------|----------|-----------|----------|
|  139 Isodrin                       |   +++++   |   +++++   |   +++++   |   +++++   |   +++++   |   +++++   |     |          |           |           |          |
|                                    |   +++++   |           |           |           |           |           |AVRG |          |0.000e+000|           |0.000e+000|
|------------------------------------|-----------|-----------|-----------|-----------|-----------|-----------|-----|----------|----------|-----------|----------|
|  140 Diallate A                    |   +++++   |   +++++   |   +++++   |   +++++   |   +++++   |   +++++   |     |          |           |           |          |
|                                    |   +++++   |           |           |           |           |           |AVRG |          |0.000e+000|           |0.000e+000|
|------------------------------------|-----------|-----------|-----------|-----------|-----------|-----------|-----|----------|----------|-----------|----------|
|  141 Diallate B                    |   +++++   |   +++++   |   +++++   |   +++++   |   +++++   |   +++++   |     |          |           |           |          |
|                                    |   +++++   |           |           |           |           |           |AVRG |          |0.000e+000|           |0.000e+000|
|------------------------------------|-----------|-----------|-----------|-----------|-----------|-----------|-----|----------|----------|-----------|----------|
|  142 1,2-Dibromo-3-Chloropropane   |   +++++   |   +++++   |   +++++   |   +++++   |   +++++   |   +++++   |     |          |           |           |          |
|                                    |   +++++   |           |           |           |           |           |AVRG |          |0.000e+000|           |0.000e+000|
|------------------------------------|-----------|-----------|-----------|-----------|-----------|-----------|-----|----------|----------|-----------|----------|
|  135 2,3,5,6-Tetrachlorophenol     |   +++++   |   +++++   |   +++++   |   +++++   |   +++++   |   +++++   |     |          |           |           |          |
|                                    |   +++++   |           |           |           |           |           |AVRG |          |0.000e+000|           |0.000e+000|<-
|------------------------------------|-----------|-----------|-----------|-----------|-----------|-----------|-----|----------|----------|-----------|----------|
|____________________________________|___________|___________|___________|___________|___________|___________|_____|__________|__________|___________|__________|
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ARI Labs, Inc.

INITIAL CALIBRATION DATA

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Start Cal Date   : 30-DEC-2022 08:06
End Cal Date     : 30-DEC-2022 11:43
Quant Method     : ISTD
Origin           : Force
Target Version   : 4.14
Integrator       : HP RTE
Method file      : \\target\share\chem3\nt14.i\20221230.b\ABN.m
Last Edit        : 30-Dec-2022 17:01 deenayd
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 ______________________________________________________________________________________________________________________________________________________________________________
|                                   | 0.2000000 | 0.5000000 |  1.0000   |  2.5000   |  5.0000   |  10.0000  |     |              Coefficients             |   %RSD   |
|   Compound                        |  Level 1  |  Level 2  |  Level 3  |  Level 4  |  Level 5  |  Level 6  |Curve|    b          m1          m2         |  or R^2  |
|                                   |-----------|-----------|-----------|-----------|-----------|-----------|     |                                       |          |
|                                   |  20.0000  |           |           |           |           |           |     |                                       |          |
|                                   |  Level 7  |           |           |           |           |           |     |                                       |          |
|===================================|===========|===========|===========|===========|===========|===========|=====|=======================================|==========|
|  136 2,3,4,5-tetrachlorophenol    |   +++++   |   +++++   |   +++++   |   +++++   |   +++++   |   +++++   |     |          |           |          |          |
|                                   |   +++++   |           |           |           |           |           |AVRG |          |0.000e+000|          |0.000e+000|
|-----------------------------------|-----------|-----------|-----------|-----------|-----------|-----------|-----|----------|----------|----------|----------|
|  133 Butylatedhydroxytoluene      |   +++++   |   +++++   |   +++++   |   +++++   |   +++++   |   +++++   |     |          |           |          |          |
|                                   |   +++++   |           |           |           |           |           |AVRG |          |0.000e+000|          |0.000e+000|<-
|-----------------------------------|-----------|-----------|-----------|-----------|-----------|-----------|-----|----------|----------|----------|----------|
|  132 3,6-Dimethylphenanthrene     |   +++++   |   +++++   |   +++++   |   +++++   |   +++++   |   +++++   |     |          |           |          |          |
|                                   |   +++++   |           |           |           |           |           |AVRG |          |0.000e+000|          |0.000e+000|
|-----------------------------------|-----------|-----------|-----------|-----------|-----------|-----------|-----|----------|----------|----------|----------|
|  131 1-Methylphenanthrene         |   +++++   |   +++++   |   +++++   |   +++++   |   +++++   |   +++++   |     |          |           |          |          |
|                                   |   +++++   |           |           |           |           |           |AVRG |          |0.000e+000|          |0.000e+000|
|-----------------------------------|-----------|-----------|-----------|-----------|-----------|-----------|-----|----------|----------|----------|----------|
|  130 Dibenzothiophene             |   +++++   |   +++++   |   +++++   |   +++++   |   +++++   |   +++++   |     |          |           |          |          |
|                                   |   +++++   |           |           |           |           |           |AVRG |          |0.000e+000|          |0.000e+000|
|-----------------------------------|-----------|-----------|-----------|-----------|-----------|-----------|-----|----------|----------|----------|----------|
|  129 1-Methylfluorene             |   +++++   |   +++++   |   +++++   |   +++++   |   +++++   |   +++++   |     |          |           |          |          |
|                                   |   +++++   |           |           |           |           |           |AVRG |          |0.000e+000|          |0.000e+000|
|-----------------------------------|-----------|-----------|-----------|-----------|-----------|-----------|-----|----------|----------|----------|----------|
|  128 N-Hexadecane                 |   +++++   |   +++++   |   +++++   |   +++++   |   +++++   |   +++++   |     |          |           |          |          |
|                                   |   +++++   |           |           |           |           |           |AVRG |          |0.000e+000|          |0.000e+000|
|-----------------------------------|-----------|-----------|-----------|-----------|-----------|-----------|-----|----------|----------|----------|----------|
|___________________________________|___________|___________|___________|___________|___________|___________|_____|__________|__________|__________|__________|
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                         INITIAL CALIBRATION DATA

Start Cal Date  : 30-DEC-2022 08:06
End Cal Date    : 30-DEC-2022 11:43
Quant Method    : ISTD
Origin          : Force
Target Version  : 4.14
Integrator      : HP RTE
Method file     : \\target\share\chem3\nt14.i\20221230.b\ABN.m
Last Edit       : 30-Dec-2022 17:01 deenayd
```

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 ________________________________________________________________________________________________________________________________________________________________________
|                                    | 0.2000000 | 0.5000000 |   1.0000  |   2.5000  |   5.0000  |  10.0000  |     |                 Coefficients            |   %RSD   |
|   Compound                         |  Level 1  |  Level 2  |  Level 3  |  Level 4  |  Level 5  |  Level 6  |Curve|    b          m1            m2      |  or R^2  |
|                                    |-----------|-----------|-----------|-----------|-----------|-----------|     |                                         |          |
|                                    |  20.0000  |           |           |           |           |           |     |                                         |          |
|                                    |  Level 7  |           |           |           |           |           |     |                                         |          |
|====================================|===========|===========|===========|===========|===========|===========|=====|=========================================|==========|
|  127 2-Isopropylnaphthalene        |   +++++   |   +++++   |   +++++   |   +++++   |   +++++   |   +++++   |     |          |          |          |          |
|                                    |   +++++   |           |           |           |           |           |AVRG |          |0.000e+000|          |0.000e+000|
|------------------------------------|-----------|-----------|-----------|-----------|-----------|-----------|-----|----------|----------|----------|----------|
|  126 N-Tetradecane                 |   +++++   |   +++++   |   +++++   |   +++++   |   +++++   |   +++++   |     |          |          |          |          |
|                                    |   +++++   |           |           |           |           |           |AVRG |          |0.000e+000|          |0.000e+000|
|------------------------------------|-----------|-----------|-----------|-----------|-----------|-----------|-----|----------|----------|----------|----------|
|  144 alpha-Terpineol               |   +++++   |   +++++   |   +++++   |   +++++   |   +++++   |   +++++   |     |          |          |          |          |
|                                    |   +++++   |           |           |           |           |           |AVRG |          |0.000e+000|          |0.000e+000|<-
|------------------------------------|-----------|-----------|-----------|-----------|-----------|-----------|-----|----------|----------|----------|----------|
|  125 Safrole                       |   +++++   |   +++++   |   +++++   |   +++++   |   +++++   |   +++++   |     |          |          |          |          |
|                                    |   +++++   |           |           |           |           |           |AVRG |          |0.000e+000|          |0.000e+000|
|------------------------------------|-----------|-----------|-----------|-----------|-----------|-----------|-----|----------|----------|----------|----------|
|  124 3,4-Dimethylphenol            |   +++++   |   +++++   |   +++++   |   +++++   |   +++++   |   +++++   |     |          |          |          |          |
|                                    |   +++++   |           |           |           |           |           |AVRG |          |0.000e+000|          |0.000e+000|
|------------------------------------|-----------|-----------|-----------|-----------|-----------|-----------|-----|----------|----------|----------|----------|
|  123 Acetophenone                  |   +++++   |   +++++   |   +++++   |   +++++   |   +++++   |   +++++   |     |          |          |          |          |
|                                    |   +++++   |           |           |           |           |           |AVRG |          |0.000e+000|          |0.000e+000|<-
|------------------------------------|-----------|-----------|-----------|-----------|-----------|-----------|-----|----------|----------|----------|----------|
|  122 Furfuraldehyde                |   +++++   |   +++++   |   +++++   |   +++++   |   +++++   |   +++++   |     |          |          |          |          |
|                                    |   +++++   |           |           |           |           |           |AVRG |          |0.000e+000|          |0.000e+000|
|------------------------------------|-----------|-----------|-----------|-----------|-----------|-----------|-----|----------|----------|----------|----------|
|____________________________________|___________|___________|___________|___________|___________|___________|_____|__________|__________|__________|__________|
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                              ARI Labs, Inc.

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Start Cal Date   : 30-DEC-2022 08:06
End Cal Date     : 30-DEC-2022 11:43
Quant Method     : ISTD
Origin           : Force
Target Version   : 4.14
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Method file      : \\target\share\chem3\nt14.i\20221230.b\ABN.m
Last Edit        : 30-Dec-2022 17:01 deenayd
```

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 ____________________________________________________________________________________________________________________________________________________________________________
|                                   | 0.2000000 | 0.5000000 |  1.0000   |  2.5000   |  5.0000   |  10.0000  |     |              Coefficients              |   %RSD   |
|   Compound                        |  Level 1  |  Level 2  |  Level 3  |  Level 4  |  Level 5  |  Level 6  |Curve|     b          m1          m2       |  or R^2  |
|                                   |-----------|-----------|-----------|-----------|-----------|-----------|     |                                        |          |
|                                   |  20.0000  |           |           |           |           |           |     |                                        |          |
|                                   |  Level 7  |           |           |           |           |           |     |                                        |          |
|===================================|===========|===========|===========|===========|===========|===========|=====|========================================|==========|
|  143 1,4-Dioxane                  |   +++++   |   +++++   |   +++++   |   +++++   |   +++++   |   +++++   |     |          |           |          |          |
|                                   |   +++++   |           |           |           |           |           |AVRG |          |0.000e+000|          |0.000e+000|<-
|-----------------------------------|-----------|-----------|-----------|-----------|-----------|-----------|-----|----------|----------|----------|----------|
|  121 Quinoline                    |   +++++   |   +++++   |   +++++   |   +++++   |   +++++   |   +++++   |     |          |           |          |          |
|                                   |   +++++   |           |           |           |           |           |AVRG |          |0.000e+000|          |0.000e+000|
|-----------------------------------|-----------|-----------|-----------|-----------|-----------|-----------|-----|----------|----------|----------|----------|
|  120 2,3,4,6-Tetrachlorophenol    |       3081|       7674|      16275|      43442|     110018|     230505|     |          |           |          |          |
|                                   |     511264|           |           |           |           |           |QUAD |0.000e+000|   3.55507|  -0.40963|   0.99950|
|-----------------------------------|-----------|-----------|-----------|-----------|-----------|-----------|-----|----------|----------|----------|----------|
|  178 2-Benzyl-4-Chlorophenol      |   +++++   |   +++++   |   +++++   |   +++++   |   +++++   |   +++++   |     |          |           |          |          |
|                                   |   +++++   |           |           |           |           |           |AVRG |          |0.000e+000|          |0.000e+000|<-
|-----------------------------------|-----------|-----------|-----------|-----------|-----------|-----------|-----|----------|----------|----------|----------|
|  119 7,12-Dimethylbenz(a)anthracen|   +++++   |   +++++   |   +++++   |   +++++   |   +++++   |   +++++   |     |          |           |          |          |
|                                   |   +++++   |           |           |           |           |           |AVRG |          |0.000e+000|          |0.000e+000|
|-----------------------------------|-----------|-----------|-----------|-----------|-----------|-----------|-----|----------|----------|----------|----------|
|  118 Triphenyl Phosphate          |   +++++   |   +++++   |   +++++   |   +++++   |   +++++   |   +++++   |     |          |           |          |          |
|                                   |   +++++   |           |           |           |           |           |AVRG |          |0.000e+000|          |0.000e+000|<-
|-----------------------------------|-----------|-----------|-----------|-----------|-----------|-----------|-----|----------|----------|----------|----------|
|  117 Butyl Diphenyl Phosphate     |   +++++   |   +++++   |   +++++   |   +++++   |   +++++   |   +++++   |     |          |           |          |          |
|                                   |   +++++   |           |           |           |           |           |AVRG |          |0.000e+000|          |0.000e+000|<-
|-----------------------------------|-----------|-----------|-----------|-----------|-----------|-----------|-----|----------|----------|----------|----------|
|___________________________________|___________|___________|___________|___________|___________|___________|_____|__________|__________|__________|__________|
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                         ARI Labs, Inc.

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Last Edit        : 30-Dec-2022 17:01 deenayd

 ________________________________________________________________________________________________________________________________________________________________
|                                   | 0.2000000 | 0.5000000 |  1.0000   |  2.5000   |  5.0000   |  10.0000  |     |           Coefficients            |  %RSD    |
|   Compound                        |  Level 1  |  Level 2  |  Level 3  |  Level 4  |  Level 5  |  Level 6  |Curve|    b          m1          m2      |  or R^2  |
|                                   |-----------|-----------|-----------|-----------|-----------|-----------|     |                                   |          |
|                                   |  20.0000  |           |           |           |           |           |     |                                   |          |
|                                   |  Level 7  |           |           |           |           |           |     |                                   |          |
|===================================|===========|===========|===========|===========|===========|===========|=====|===================================|==========|
| 116 Dibutyl Phenyl Phosphate      |    +++++  |    +++++  |    +++++  |    +++++  |    +++++  |    +++++  |     |          |          |          |          |
|                                   |    +++++  |           |           |           |           |           |AVRG |          |0.000e+000|          |0.000e+000|<-
|-----------------------------------|-----------|-----------|-----------|-----------|-----------|-----------|-----|----------|----------|----------|----------|
| 115 Tributyl Phosphate            |    +++++  |    +++++  |    +++++  |    +++++  |    +++++  |    +++++  |     |          |          |          |          |
|                                   |    +++++  |           |           |           |           |           |AVRG |          |0.000e+000|          |0.000e+000|<-
|-----------------------------------|-----------|-----------|-----------|-----------|-----------|-----------|-----|----------|----------|----------|----------|
| 114 Beta-Pinene                   |    +++++  |    +++++  |    +++++  |    +++++  |    +++++  |    +++++  |     |          |          |          |          |
|                                   |    +++++  |           |           |           |           |           |AVRG |          |0.000e+000|          |0.000e+000|
|-----------------------------------|-----------|-----------|-----------|-----------|-----------|-----------|-----|----------|----------|----------|----------|
| 113 Diphenyl Oxide                |    +++++  |    +++++  |    +++++  |    +++++  |    +++++  |    +++++  |     |          |          |          |          |
|                                   |    +++++  |           |           |           |           |           |AVRG |          |0.000e+000|          |0.000e+000|<-
|-----------------------------------|-----------|-----------|-----------|-----------|-----------|-----------|-----|----------|----------|----------|----------|
| 112 Biphenyl                      |    +++++  |    +++++  |    +++++  |    +++++  |    +++++  |    +++++  |     |          |          |          |          |
|                                   |    +++++  |           |           |           |           |           |AVRG |          |0.000e+000|          |0.000e+000|<-
|-----------------------------------|-----------|-----------|-----------|-----------|-----------|-----------|-----|----------|----------|----------|----------|
| 111 Azobenzene (1,2-DP-Hydrazine)|    1.68258|    1.46194|    1.65694|    1.39901|    1.40938|    1.42114|     |          |          |          |          |
|                                   |    1.36696|           |           |           |           |           |AVRG |          |   1.48542|          |   8.70237|
|-----------------------------------|-----------|-----------|-----------|-----------|-----------|-----------|-----|----------|----------|----------|----------|
| 110 Tetrachloroguaiacol           |    +++++  |    +++++  |    +++++  |    +++++  |    +++++  |    +++++  |     |          |          |          |          |
|                                   |    +++++  |           |           |           |           |           |AVRG |          |0.000e+000|          |0.000e+000|<-
|-----------------------------------|-----------|-----------|-----------|-----------|-----------|-----------|-----|----------|----------|----------|----------|
|___________________________________|___________|___________|___________|___________|___________|___________|_____|__________|__________|__________|__________|
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                              ARI Labs, Inc.

                          INITIAL CALIBRATION DATA

Start Cal Date   : 30-DEC-2022 08:06
End Cal Date     : 30-DEC-2022 11:43
Quant Method     : ISTD
Origin           : Force
Target Version   : 4.14
Integrator       : HP RTE
Method file      : \\target\share\chem3\nt14.i\20221230.b\ABN.m
Last Edit        : 30-Dec-2022 17:01 deenayd

 ______________________________________________________________________________________________________________________________________________
|                                    | 0.2000000 | 0.5000000 |  1.0000   |  2.5000   |  5.0000   |  10.0000  |     |         Coefficients           |   %RSD   |
|   Compound                         |  Level 1  |  Level 2  |  Level 3  |  Level 4  |  Level 5  |  Level 6  |Curve|    b          m1          m2   |  or R^2  |
|                                    |-----------|-----------|-----------|-----------|-----------|-----------|     |                                |          |
|                                    |  20.0000  |           |           |           |           |           |     |                                |          |
|                                    |  Level 7  |           |           |           |           |           |     |                                |          |
|====================================|===========|===========|===========|===========|===========|===========|=====|================================|==========|
| 109 3,4,5-Trichloroguaiacol        |   +++++   |   +++++   |   +++++   |   +++++   |   +++++   |   +++++   |     |          |          |          |          |
|                                    |   +++++   |           |           |           |           |           |AVRG |          |0.000e+000|          |0.000e+000|<-
|------------------------------------|-----------|-----------|-----------|-----------|-----------|-----------|-----|----------|----------|----------|----------|
| 181 3,4,6-Trichloroguaiacol        |   +++++   |   +++++   |   +++++   |   +++++   |   +++++   |   +++++   |     |          |          |          |          |
|                                    |   +++++   |           |           |           |           |           |AVRG |          |0.000e+000|          |0.000e+000|<-
|------------------------------------|-----------|-----------|-----------|-----------|-----------|-----------|-----|----------|----------|----------|----------|
| 108 4,5,6-Trichloroguaiacol        |   +++++   |   +++++   |   +++++   |   +++++   |   +++++   |   +++++   |     |          |          |          |          |
|                                    |   +++++   |           |           |           |           |           |AVRG |          |0.000e+000|          |0.000e+000|<-
|------------------------------------|-----------|-----------|-----------|-----------|-----------|-----------|-----|----------|----------|----------|----------|
| 184 3,4-Dichloroguaiacol           |   +++++   |   +++++   |   +++++   |   +++++   |   +++++   |   +++++   |     |          |          |          |          |
|                                    |   +++++   |           |           |           |           |           |AVRG |          |0.000e+000|          |0.000e+000|<-
|------------------------------------|-----------|-----------|-----------|-----------|-----------|-----------|-----|----------|----------|----------|----------|
| 107 4,5-Dichloroguaiacol           |   +++++   |   +++++   |   +++++   |   +++++   |   +++++   |   +++++   |     |          |          |          |          |
|                                    |   +++++   |           |           |           |           |           |AVRG |          |0.000e+000|          |0.000e+000|<-
|------------------------------------|-----------|-----------|-----------|-----------|-----------|-----------|-----|----------|----------|----------|----------|
| 182 4,6-Dichloroguaiacol           |   +++++   |   +++++   |   +++++   |   +++++   |   +++++   |   +++++   |     |          |          |          |          |
|                                    |   +++++   |           |           |           |           |           |AVRG |          |0.000e+000|          |0.000e+000|<-
|------------------------------------|-----------|-----------|-----------|-----------|-----------|-----------|-----|----------|----------|----------|----------|
| 185 4-Chloroguaiacol               |   +++++   |   +++++   |   +++++   |   +++++   |   +++++   |   +++++   |     |          |          |          |          |
|                                    |   +++++   |           |           |           |           |           |AVRG |          |0.000e+000|          |0.000e+000|<-
|------------------------------------|-----------|-----------|-----------|-----------|-----------|-----------|-----|----------|----------|----------|----------|
|____________________________________|___________|___________|___________|___________|___________|___________|_____|__________|__________|__________|__________|
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                                  ARI Labs, Inc.

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Integrator       : HP RTE
Method file      : \\target\share\chem3\nt14.i\20221230.b\ABN.m
Last Edit        : 30-Dec-2022 17:01 deenayd
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|                                   | 0.2000000 | 0.5000000 |  1.0000   |  2.5000   |  5.0000   |  10.0000  |     |                Coefficients              |   %RSD   |
|   Compound                        |  Level 1  |  Level 2  |  Level 3  |  Level 4  |  Level 5  |  Level 6  |Curve|    b           m1           m2        |  or R^2  |
|                                   |-----------|-----------|-----------|-----------|-----------|-----------|     |                                          |          |
|                                   |  20.0000  |           |           |           |           |           |     |                                          |          |
|                                   |  Level 7  |           |           |           |           |           |     |                                          |          |
|===================================|===========|===========|===========|===========|===========|===========|=====|==========================================|==========|
|  106 Guaiacol                     |   +++++   |   +++++   |   +++++   |   +++++   |   +++++   |   +++++   |     |          |          |          |          |
|                                   |   +++++   |           |           |           |           |           |AVRG |          |0.000e+000|          |0.000e+000|<-
|-----------------------------------|-----------|-----------|-----------|-----------|-----------|-----------|-----|----------|----------|----------|----------|
|  105 1-methylnaphthalene          |    0.81018|    0.66714|    0.67282|    0.61973|    0.66113|    0.69782|     |          |          |          |          |
|                                   |    0.72771|           |           |           |           |           |AVRG |          |   0.69379|          |   8.80958|
|-----------------------------------|-----------|-----------|-----------|-----------|-----------|-----------|-----|----------|----------|----------|----------|
|  151 1,2,4,5-Tetrachlorobenzene   |   +++++   |   +++++   |   +++++   |   +++++   |   +++++   |   +++++   |     |          |          |          |          |
|                                   |   +++++   |           |           |           |           |           |AVRG |          |0.000e+000|          |0.000e+000|<-
|-----------------------------------|-----------|-----------|-----------|-----------|-----------|-----------|-----|----------|----------|----------|----------|
|  152 Benzo(e)pyrene               |   +++++   |   +++++   |   +++++   |   +++++   |   +++++   |   +++++   |     |          |          |          |          |
|                                   |   +++++   |           |           |           |           |           |AVRG |          |0.000e+000|          |0.000e+000|
|-----------------------------------|-----------|-----------|-----------|-----------|-----------|-----------|-----|----------|----------|----------|----------|
|  153 Chlorpyrifos                 |   +++++   |   +++++   |   +++++   |   +++++   |   +++++   |   +++++   |     |          |          |          |          |
|                                   |   +++++   |           |           |           |           |           |AVRG |          |0.000e+000|          |0.000e+000|
|-----------------------------------|-----------|-----------|-----------|-----------|-----------|-----------|-----|----------|----------|----------|----------|
|  154 Diazinon                     |   +++++   |   +++++   |   +++++   |   +++++   |   +++++   |   +++++   |     |          |          |          |          |
|                                   |   +++++   |           |           |           |           |           |AVRG |          |0.000e+000|          |0.000e+000|
|-----------------------------------|-----------|-----------|-----------|-----------|-----------|-----------|-----|----------|----------|----------|----------|
|  155 Kelthane                     |   +++++   |   +++++   |   +++++   |   +++++   |   +++++   |   +++++   |     |          |          |          |          |
|                                   |   +++++   |           |           |           |           |           |AVRG |          |0.000e+000|          |0.000e+000|
|-----------------------------------|-----------|-----------|-----------|-----------|-----------|-----------|-----|----------|----------|----------|----------|
|___________________________________|___________|___________|___________|___________|___________|___________|_____|__________|__________|__________|__________|
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ARI Labs, Inc.

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Last Edit        : 30-Dec-2022 17:01 deenayd
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 _____________________________________________________________________________________________________________________________________________________________
|                                   | 0.2000000 | 0.5000000 |  1.0000   |  2.5000   |  5.0000   |  10.0000  |     |            Coefficients            |   %RSD   |
|   Compound                        |  Level 1  |  Level 2  |  Level 3  |  Level 4  |  Level 5  |  Level 6  |Curve|    b          m1          m2       |  or R^2  |
|                                   |-----------|-----------|-----------|-----------|-----------|-----------|     |                                    |          |
|                                   |  20.0000  |           |           |           |           |           |     |                                    |          |
|                                   |  Level 7  |           |           |           |           |           |     |                                    |          |
|===================================|===========|===========|===========|===========|===========|===========|=====|====================================|==========|
|  156 Methyl Parathion             |   +++++   |   +++++   |   +++++   |   +++++   |   +++++   |   +++++   |     |          |           |           |          |
|                                   |   +++++   |           |           |           |           |           |AVRG |          |0.000e+000|           |0.000e+000|
|-----------------------------------|-----------|-----------|-----------|-----------|-----------|-----------|-----|----------|----------|----------|----------|
|  157 Ethyl Parathion              |   +++++   |   +++++   |   +++++   |   +++++   |   +++++   |   +++++   |     |          |           |           |          |
|                                   |   +++++   |           |           |           |           |           |AVRG |          |0.000e+000|           |0.000e+000|
|-----------------------------------|-----------|-----------|-----------|-----------|-----------|-----------|-----|----------|----------|----------|----------|
|  158 Ethion                       |   +++++   |   +++++   |   +++++   |   +++++   |   +++++   |   +++++   |     |          |           |           |          |
|                                   |   +++++   |           |           |           |           |           |AVRG |          |0.000e+000|           |0.000e+000|
|-----------------------------------|-----------|-----------|-----------|-----------|-----------|-----------|-----|----------|----------|----------|----------|
|  159 4-Nonylphenol                |   +++++   |   +++++   |   +++++   |   +++++   |   +++++   |   +++++   |     |          |           |           |          |
|                                   |   +++++   |           |           |           |           |           |AVRG |          |0.000e+000|           |0.000e+000|
|-----------------------------------|-----------|-----------|-----------|-----------|-----------|-----------|-----|----------|----------|----------|----------|
|  160 Tetraethyl Tin               |   +++++   |   +++++   |   +++++   |   +++++   |   +++++   |   +++++   |     |          |           |           |          |
|                                   |   +++++   |           |           |           |           |           |AVRG |          |0.000e+000|           |0.000e+000|
|-----------------------------------|-----------|-----------|-----------|-----------|-----------|-----------|-----|----------|----------|----------|----------|
|  161 1,2,3-Trichloronaphthalene   |   +++++   |   +++++   |   +++++   |   +++++   |   +++++   |   +++++   |     |          |           |           |          |
|                                   |   +++++   |           |           |           |           |           |AVRG |          |0.000e+000|           |0.000e+000|
|-----------------------------------|-----------|-----------|-----------|-----------|-----------|-----------|-----|----------|----------|----------|----------|
|  162 1,2,3,4-Tetrachloronapthalene|   +++++   |   +++++   |   +++++   |   +++++   |   +++++   |   +++++   |     |          |           |           |          |
|                                   |   +++++   |           |           |           |           |           |AVRG |          |0.000e+000|           |0.000e+000|
|-----------------------------------|-----------|-----------|-----------|-----------|-----------|-----------|-----|----------|----------|----------|----------|
|___________________________________|___________|___________|___________|___________|___________|___________|_____|__________|__________|__________|__________|
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ARI Labs, Inc.

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Last Edit        : 30-Dec-2022 17:01 deenayd
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 __________________________________________________________________________________________________________________________________________________________________________________________
|                                    | 0.2000000 | 0.5000000 |  1.0000   |  2.5000   |  5.0000   |  10.0000  |     |               Coefficients               |   %RSD   |
|   Compound                         |  Level 1  |  Level 2  |  Level 3  |  Level 4  |  Level 5  |  Level 6  |Curve|    b            m1           m2          |  or R^2  |
|                                    |-----------|-----------|-----------|-----------|-----------|-----------|     |                                          |          |
|                                    |  20.0000  |           |           |           |           |           |     |                                          |          |
|                                    |  Level 7  |           |           |           |           |           |     |                                          |          |
|====================================|===========|===========|===========|===========|===========|===========|=====|==========================================|==========|
|  163 1,2,3,5,8-Pentachloronaphthal|   +++++   |   +++++   |   +++++   |   +++++   |   +++++   |   +++++   |     |           |            |          |          |
|                                    |   +++++   |           |           |           |           |           |AVRG |           |0.000e+000|            |0.000e+000|
|------------------------------------|-----------|-----------|-----------|-----------|-----------|-----------|-----|-----------|----------|------------|----------|
|  164 1,2,3,4,6,7-Hexachloronaphtha|   +++++   |   +++++   |   +++++   |   +++++   |   +++++   |   +++++   |     |           |            |          |          |
|                                    |   +++++   |           |           |           |           |           |AVRG |           |0.000e+000|            |0.000e+000|
|------------------------------------|-----------|-----------|-----------|-----------|-----------|-----------|-----|-----------|----------|------------|----------|
|  165 1,2,3,4,5,6,7-Heptachloronaph|   +++++   |   +++++   |   +++++   |   +++++   |   +++++   |   +++++   |     |           |            |          |          |
|                                    |   +++++   |           |           |           |           |           |AVRG |           |0.000e+000|            |0.000e+000|
|------------------------------------|-----------|-----------|-----------|-----------|-----------|-----------|-----|-----------|----------|------------|----------|
|  166 Octachloronaphthalene         |   +++++   |   +++++   |   +++++   |   +++++   |   +++++   |   +++++   |     |           |            |          |          |
|                                    |   +++++   |           |           |           |           |           |AVRG |           |0.000e+000|            |0.000e+000|
|------------------------------------|-----------|-----------|-----------|-----------|-----------|-----------|-----|-----------|----------|------------|----------|
|  167 2,2',4,4',5-Pentabromobipheny|   +++++   |   +++++   |   +++++   |   +++++   |   +++++   |   +++++   |     |           |            |          |          |
|                                    |   +++++   |           |           |           |           |           |AVRG |           |0.000e+000|            |0.000e+000|
|------------------------------------|-----------|-----------|-----------|-----------|-----------|-----------|-----|-----------|----------|------------|----------|
|    3 Phenol                        |    2.24890|    1.85184|    1.76565|    1.63746|    1.69674|    1.71508|     |           |            |          |          |
|                                    |    1.68097|           |           |           |           |           |AVRG |           |   1.79952|            |  11.65290|
|------------------------------------|-----------|-----------|-----------|-----------|-----------|-----------|-----|-----------|----------|------------|----------|
|    4 Bis(2-Chloroethyl)ether       |    1.54497|    1.24513|    1.34222|    1.11028|    1.12874|    1.14099|     |           |            |          |          |
|                                    |    1.16506|           |           |           |           |           |AVRG |           |   1.23963|            |  12.67426|
|------------------------------------|-----------|-----------|-----------|-----------|-----------|-----------|-----|-----------|----------|------------|----------|
|____________________________________|___________|___________|___________|___________|___________|___________|_____|___________|__________|____________|__________|
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ARI Labs, Inc.

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Last Edit : 30-Dec-2022 17:01 deenayd

Compound	0.2000000 Level 1 20.0000 Level 7	0.5000000 Level 2	1.0000 Level 3	2.5000 Level 4	5.0000 Level 5	10.0000 Level 6	Curve	Coefficients b	m1	m2	%RSD or R^2
6 2-Chlorophenol	1.76377 1.42898	1.49520	1.42085	1.31029	1.38064	1.42530	AVRG		1.46072		9.91755
7 1,3-Dichlorobenzene	1.92803 1.43959	1.56092	1.67622	1.39005	1.41790	1.42985	AVRG		1.54894		12.60186
9 1,4-Dichlorobenzene	1.84367 1.35230	1.46664	1.59210	1.31101	1.34162	1.36450	AVRG		1.46741		13.08603
11 Benzyl alcohol	0.84244 0.86233	0.73829	0.78057	0.73007	0.81509	0.83895	AVRG		0.80111		6.54578
12 1,2-Dichlorobenzene	1.74491 1.35189	1.46090	1.55926	1.28235	1.32894	1.34553	AVRG		1.43911		11.40035
13 2-Methylphenol	1.55070 1.27919	1.32136	1.27021	1.19752	1.25874	1.27557	AVRG		1.30761		8.66486
14 2,2'-oxybis(1-Chloropropane)	4140 293591	8044	16940	31485	74627	133200	QUAD	0.000e+000	2.78633	-0.16655	0.99920

ARI Labs, Inc.

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 __________________________________________________________________________________________________________________________________________________________________________________________
|                                    | 0.2000000 | 0.5000000 |  1.0000   |  2.5000   |  5.0000   |  10.0000  |     |              Coefficients             |   %RSD   |
|  Compound                          |  Level 1  |  Level 2  |  Level 3  |  Level 4  |  Level 5  |  Level 6  |Curve|    b           m1          m2        |  or R^2  |
|                                    |-----------|-----------|-----------|-----------|-----------|-----------|     |                                       |          |
|                                    |  20.0000  |           |           |           |           |           |     |                                       |          |
|                                    |  Level 7  |           |           |           |           |           |     |                                       |          |
|====================================|===========|===========|===========|===========|===========|===========|=====|=======================================|==========|
|  15 4-Methylphenol                 |    1.60359|    1.37883|    1.33968|    1.25105|    1.35115|    1.36976|     |          |          |          |          |
|                                    |    1.36190|           |           |           |           |           |AVRG |          |   1.37942|          |   7.80273|
|------------------------------------|-----------|-----------|-----------|-----------|-----------|-----------|-----|----------|----------|----------|----------|
|  16 N-Nitroso-di-n-propylamine     |    0.85978|    0.74234|    0.85548|    0.74063|    0.78275|    0.79574|     |          |          |          |          |
|                                    |    0.79920|           |           |           |           |           |AVRG |          |   0.79656|          |   6.00606|
|------------------------------------|-----------|-----------|-----------|-----------|-----------|-----------|-----|----------|----------|----------|----------|
|  17 Hexachloroethane               |    0.64302|    0.51899|    0.56365|    0.48174|    0.50750|    0.52274|     |          |          |          |          |
|                                    |    0.54024|           |           |           |           |           |AVRG |          |   0.53970|          |   9.67545|
|------------------------------------|-----------|-----------|-----------|-----------|-----------|-----------|-----|----------|----------|----------|----------|
|  19 Nitrobenzene                   |    0.38858|    0.31676|    0.34528|    0.30001|    0.31981|    0.33438|     |          |          |          |          |
|                                    |    0.34337|           |           |           |           |           |AVRG |          |   0.33546|          |   8.46069|
|------------------------------------|-----------|-----------|-----------|-----------|-----------|-----------|-----|----------|----------|----------|----------|
|  20 Isophorone                     |    0.41707|    0.35155|    0.41420|    0.37912|    0.43434|    0.46068|     |          |          |          |          |
|                                    |    0.53585|           |           |           |           |           |AVRG |          |   0.42754|          |  13.92975|
|------------------------------------|-----------|-----------|-----------|-----------|-----------|-----------|-----|----------|----------|----------|----------|
|  21 2-Nitrophenol                  |       6191|      12069|      24295|      59106|     151231|     296338|     |          |          |          |          |
|                                    |     663566|           |           |           |           |           |QUAD |0.000e+000|   4.88934|  -0.81682|   0.99956|
|------------------------------------|-----------|-----------|-----------|-----------|-----------|-----------|-----|----------|----------|----------|----------|
|  22 2,4-Dimethylphenol             |    0.41838|    0.35700|    0.33381|    0.31628|    0.33024|    0.37311|     |          |          |          |          |
|                                    |    0.32196|           |           |           |           |           |AVRG |          |   0.35011|          |  10.32149|
|------------------------------------|-----------|-----------|-----------|-----------|-----------|-----------|-----|----------|----------|----------|----------|
|____________________________________|___________|___________|___________|___________|___________|___________|_____|__________|__________|__________|__________|
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|                                    | 0.2000000 | 0.5000000 |  1.0000   |  2.5000   |  5.0000   |  10.0000  |     |               Coefficients           |  %RSD    |
|   Compound                         |  Level 1  |  Level 2  |  Level 3  |  Level 4  |  Level 5  |  Level 6  |Curve|    b          m1          m2      |  or R^2  |
|                                    |-----------|-----------|-----------|-----------|-----------|-----------|     |                                      |          |
|                                    |  20.0000  |           |           |           |           |           |     |                                      |          |
|                                    |  Level 7  |           |           |           |           |           |     |                                      |          |
|====================================|===========|===========|===========|===========|===========|===========|=====|======================================|==========|
|   23 Bis(2-Chloroethoxy)methane    |   0.40342|   0.32697|   0.35335|   0.29913|   0.30611|   0.31548|     |           |           |           |          |
|                                    |   0.32372|           |           |           |           |           |AVRG |           |   0.33260|           |  10.75114|
|------------------------------------|-----------|-----------|-----------|-----------|-----------|-----------|-----|-----------|-----------|-----------|----------|
|   24 Benzoic acid                  |   +++++   |     14207|     45663|    205762|    622705|   1255023|     |           |           |           |          |
|                                    |   2775564|           |           |           |           |           |QUAD |0.000e+000|   4.69405|  -0.19087|   0.99854|
|------------------------------------|-----------|-----------|-----------|-----------|-----------|-----------|-----|-----------|-----------|-----------|----------|
|   25 2,4-Dichlorophenol            |     18135|     40191|     83681|    173493|    392225|    839403|     |           |           |           |          |
|                                    |   1523761|           |           |           |           |           |QUAD |0.000e+000|   3.18639|   0.04188|   0.99824|
|------------------------------------|-----------|-----------|-----------|-----------|-----------|-----------|-----|-----------|-----------|-----------|----------|
|   26 1,2,4-Trichlorobenzene        |   0.39956|   0.32457|   0.33511|   0.28187|   0.28873|   0.29778|     |           |           |           |          |
|                                    |   0.30614|           |           |           |           |           |AVRG |           |   0.31911|           |  12.59456|
|------------------------------------|-----------|-----------|-----------|-----------|-----------|-----------|-----|-----------|-----------|-----------|----------|
|   28 Naphthalene                   |   1.22153|   0.96762|   1.03469|   0.87394|   0.90804|   0.94004|     |           |           |           |          |
|                                    |   0.94483|           |           |           |           |           |AVRG |           |   0.98438|           |  11.77442|
|------------------------------------|-----------|-----------|-----------|-----------|-----------|-----------|-----|-----------|-----------|-----------|----------|
|   29 4-Chloroaniline               |   +++++   |   0.39479|   0.41545|   0.39900|   0.39947|   0.41549|     |           |           |           |          |
|                                    |   0.41155|           |           |           |           |           |AVRG |           |   0.40596|           |   2.27753|
|------------------------------------|-----------|-----------|-----------|-----------|-----------|-----------|-----|-----------|-----------|-----------|----------|
|   30 Hexachlorobutadiene           |   0.18755|   0.15475|   0.16129|   0.13979|   0.14803|   0.15405|     |           |           |           |          |
|                                    |   0.16284|           |           |           |           |           |AVRG |           |   0.15833|           |   9.52389|
|------------------------------------|-----------|-----------|-----------|-----------|-----------|-----------|-----|-----------|-----------|-----------|----------|
|____________________________________|___________|___________|___________|___________|___________|___________|_____|___________|___________|___________|__________|
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ARI Labs, Inc.

INITIAL CALIBRATION DATA

Start Cal Date : 30-DEC-2022 08:06
End Cal Date : 30-DEC-2022 11:43
Quant Method : ISTD
Origin : Force
Target Version : 4.14
Integrator : HP RTE
Method file : \\target\share\chem3\nt14.i\20221230.b\ABN.m
Last Edit : 30-Dec-2022 17:01 deenayd

```
 ______________________________________________________________________________________________________________________________________________________
|                                  | 0.2000000 | 0.5000000 |  1.0000   |  2.5000   |  5.0000   |  10.0000  |     |           Coefficients         |   %RSD   |
|   Compound                       |  Level 1  |  Level 2  |  Level 3  |  Level 4  |  Level 5  |  Level 6  |Curve|    b          m1          m2   |  or R^2  |
|                                  |-----------|-----------|-----------|-----------|-----------|-----------|     |                                |          |
|                                  |  20.0000  |           |           |           |           |           |     |                                |          |
|                                  |  Level 7  |           |           |           |           |           |     |                                |          |
|==================================|===========|===========|===========|===========|===========|===========|=====|================================|==========|
|   31 4-Chloro-3-methylphenol     |   +++++   |    0.27037|    0.26013|    0.25792|    0.28409|    0.29695|     |          |          |          |          |
|                                  |    0.30156|           |           |           |           |           |AVRG |          |   0.27850|          |   6.67952|
|----------------------------------|-----------|-----------|-----------|-----------|-----------|-----------|-----|----------|----------|----------|----------|
|   32 2-Methylnaphthalene         |    0.85536|    0.69400|    0.69986|    0.64391|    0.68347|    0.72725|     |          |          |          |          |
|                                  |    0.75067|           |           |           |           |           |AVRG |          |   0.72207|          |   9.37452|
|----------------------------------|-----------|-----------|-----------|-----------|-----------|-----------|-----|----------|----------|----------|----------|
|   33 Hexachlorocyclopentadiene   |   +++++   |    0.24894|    0.29364|    0.26485|    0.30252|    0.33503|     |          |          |          |          |
|                                  |    0.36924|           |           |           |           |           |AVRG |          |   0.30237|          |  14.69946|
|----------------------------------|-----------|-----------|-----------|-----------|-----------|-----------|-----|----------|----------|----------|----------|
|   34 2,4,6-Trichlorophenol       |   +++++   |    0.28702|    0.30157|    0.29997|    0.34584|    0.36963|     |          |          |          |          |
|                                  |    0.39916|           |           |           |           |           |AVRG |          |   0.33386|          |  13.44409|
|----------------------------------|-----------|-----------|-----------|-----------|-----------|-----------|-----|----------|----------|----------|----------|
|   35 2,4,5-Trichlorophenol       |   +++++   |    0.36122|    0.35782|    0.34214|    0.39656|    0.41688|     |          |          |          |          |
|                                  |    0.43732|           |           |           |           |           |AVRG |          |   0.38532|          |   9.72979|
|----------------------------------|-----------|-----------|-----------|-----------|-----------|-----------|-----|----------|----------|----------|----------|
|   37 2-Chloronaphthalene         |    1.38757|    1.11764|    1.22819|    1.00321|    1.04790|    1.09962|     |          |          |          |          |
|                                  |    1.12468|           |           |           |           |           |AVRG |          |   1.14411|          |  11.19934|
|----------------------------------|-----------|-----------|-----------|-----------|-----------|-----------|-----|----------|----------|----------|----------|
|   38 2-Nitroaniline              |   +++++   |    0.26051|    0.30769|    0.28451|    0.30684|    0.32320|     |          |          |          |          |
|                                  |    0.32202|           |           |           |           |           |AVRG |          |   0.30080|          |   8.04051|
|----------------------------------|-----------|-----------|-----------|-----------|-----------|-----------|-----|----------|----------|----------|----------|
|__________________________________|___________|___________|___________|___________|___________|___________|_____|__________|__________|__________|__________|
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ARI Labs, Inc.

INITIAL CALIBRATION DATA

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Start Cal Date   : 30-DEC-2022 08:06
End Cal Date     : 30-DEC-2022 11:43
Quant Method     : ISTD
Origin           : Force
Target Version   : 4.14
Integrator       : HP RTE
Method file      : \\target\share\chem3\nt14.i\20221230.b\ABN.m
Last Edit        : 30-Dec-2022 17:01 deenayd
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 ______________________________________________________________________________________________________________________________________________________________________
|                                    | 0.2000000 | 0.5000000 |  1.0000   |  2.5000   |  5.0000   |  10.0000  |     |                Coefficients          |  %RSD    |
|   Compound                         |  Level 1  |  Level 2  |  Level 3  |  Level 4  |  Level 5  |  Level 6  |Curve|    b          m1          m2       |  or R^2  |
|                                    |-----------|-----------|-----------|-----------|-----------|-----------|     |                                      |          |
|                                    |  20.0000  |           |           |           |           |           |     |                                      |          |
|                                    |  Level 7  |           |           |           |           |           |     |                                      |          |
|====================================|===========|===========|===========|===========|===========|===========|=====|======================================|==========|
|   39 Dimethylphthalate             |    1.29517|    1.07878|    1.23746|    1.02171|    1.06879|    1.09173|     |          |           |          |          |
|                                    |    1.10273|           |           |           |           |           |AVRG |          |    1.12805|          |   8.79864|
|------------------------------------|-----------|-----------|-----------|-----------|-----------|-----------|-----|----------|-----------|----------|----------|
|   40 Acenaphthylene                |    2.00589|    1.67399|    1.89886|    1.59035|    1.63674|    1.70299|     |          |           |          |          |
|                                    |    1.70286|           |           |           |           |           |AVRG |          |    1.74452|          |   8.62862|
|------------------------------------|-----------|-----------|-----------|-----------|-----------|-----------|-----|----------|-----------|----------|----------|
|   41 2,6-Dinitrotoluene            |    +++++  |    0.21749|    0.26875|    0.23607|    0.25431|    0.26979|     |          |           |          |          |
|                                    |    0.28105|           |           |           |           |           |AVRG |          |    0.25458|          |   9.38069|
|------------------------------------|-----------|-----------|-----------|-----------|-----------|-----------|-----|----------|-----------|----------|----------|
|   43 3-Nitroaniline                |    +++++  |    0.26344|    0.31825|    0.28348|    0.30874|    0.33344|     |          |           |          |          |
|                                    |    0.34916|           |           |           |           |           |AVRG |          |    0.30942|          |  10.24241|
|------------------------------------|-----------|-----------|-----------|-----------|-----------|-----------|-----|----------|-----------|----------|----------|
|   44 Acenaphthene                  |    1.32010|    1.04607|    1.15919|    0.95288|    0.98292|    1.04646|     |          |           |          |          |
|                                    |    1.06650|           |           |           |           |           |AVRG |          |    1.08202|          |  11.44000|
|------------------------------------|-----------|-----------|-----------|-----------|-----------|-----------|-----|----------|-----------|----------|----------|
|   45 2,4-Dinitrophenol             |    +++++  |    0.08467|    0.11703|    0.15571|    0.21282|    0.25074|     |          |           |          |          |
|                                    |    0.27806|           |           |           |           |           |AVRG |          |    0.18317|          |  41.77892|<-
|------------------------------------|-----------|-----------|-----------|-----------|-----------|-----------|-----|----------|-----------|----------|----------|
|   46 Dibenzofuran                  |    2.02208|    1.60327|    1.63292|    1.42838|    1.49489|    1.56197|     |          |           |          |          |
|                                    |    1.61465|           |           |           |           |           |AVRG |          |    1.62260|          |  11.74300|
|------------------------------------|-----------|-----------|-----------|-----------|-----------|-----------|-----|----------|-----------|----------|----------|
|____________________________________|___________|___________|___________|___________|___________|___________|_____|__________|___________|__________|__________|
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ARI Labs, Inc.

INITIAL CALIBRATION DATA

Start Cal Date : 30-DEC-2022 08:06
End Cal Date : 30-DEC-2022 11:43
Quant Method : ISTD
Origin : Force
Target Version : 4.14
Integrator : HP RTE
Method file : \\target\share\chem3\nt14.i\20221230.b\ABN.m
Last Edit : 30-Dec-2022 17:01 deenayd

Compound	0.2000000 Level 1	0.5000000 Level 2	1.0000 Level 3	2.5000 Level 4	5.0000 Level 5	10.0000 Level 6	20.0000 Level 7	Curve	Coefficients b	Coefficients m1	Coefficients m2	%RSD or R^2
47 4-Nitrophenol	+++++	8162	17409	46049	115297	230638	476700	QUAD	0.000e+000	6.75734	-0.41335	0.99959
48 2,4-Dinitrotoluene	+++++	0.29199	0.36432	0.32014	0.35147	0.37518	0.39263	AVRG		0.34929		10.64521
49 Fluorene	1.97928	1.63556	1.79129	1.66516	1.52905	1.74061	1.74202	AVRG		1.72614		8.17761
50 Diethylphthalate	1.50947	1.27798	1.75665	1.47943	1.52960	1.53293	1.64683	AVRG		1.53327		9.65346
51 4-Chlorophenyl-phenylether	0.93779	0.75677	0.96138	0.78435	0.80235	0.83076	0.84215	AVRG		0.84508		9.12091
52 4-Nitroaniline	+++++	23979	42776	86874	284222	591978	1201405	QUAD	0.000e+000	2.68791	-0.06783	0.99758
53 4,6-Dinitro-2-methylphenol	+++++	28739	64046	170673	421202	868287	1812002	QUAD	0.000e+000	5.95957	-0.30276	0.99955

ARI Labs, Inc.

INITIAL CALIBRATION DATA

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Method file : \\target\share\chem3\nt14.i\20221230.b\ABN.m
Last Edit : 30-Dec-2022 17:01 deenayd

	0.2000000	0.5000000	1.0000	2.5000	5.0000	10.0000		Coefficients			%RSD
Compound	Level 1	Level 2	Level 3	Level 4	Level 5	Level 6	Curve	b	m1	m2	or R^2
	20.0000 Level 7										
54 N-Nitrosodiphenylamine	0.78139	0.66901	0.74892	0.61536	0.62290	0.66118					
	0.70594						AVRG		0.68638		9.08506
56 4-Bromophenyl-phenylether	0.28682	0.24079	0.26985	0.22819	0.24219	0.25966					
	0.29185						AVRG		0.25991		9.33117
57 Hexachlorobenzene	0.34664	0.27593	0.30798	0.24766	0.25806	0.26954					
	0.29073						AVRG		0.28522		11.80503
58 Pentachlorophenol	+++++	7931	18807	55930	157801	325403					
	704713						QUAD	0.000e+000	8.09980	-1.26443	0.99905
60 Phenanthrene	1.25421	1.01324	1.12021	0.91470	0.94595	0.99339					
	1.05874						AVRG		1.04292		11.07498
61 Anthracene	1.04470	0.90647	1.04524	0.89746	0.96520	1.02021					
	1.09006						AVRG		0.99562		7.43791
62 Carbazole	1.02111	0.88807	1.03175	0.85886	0.88172	0.96754					
	1.08841						AVRG		0.96249		9.18725

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Report Date : 31-Dec-2022 10:10                                                     Page 20

                              ARI Labs, Inc.

                         INITIAL CALIBRATION DATA

Start Cal Date  : 30-DEC-2022 08:06
End Cal Date    : 30-DEC-2022 11:43
Quant Method    : ISTD
Origin          : Force
Target Version  : 4.14
Integrator      : HP RTE
Method file     : \\target\share\chem3\nt14.i\20221230.b\ABN.m
Last Edit       : 30-Dec-2022 17:01 deenayd

 _____________________________________________________________________________________________________________________________________________________________________________
|                                   | 0.2000000 | 0.5000000 |  1.0000   |  2.5000   |  5.0000   |  10.0000  |     |                Coefficients            |  %RSD    |
|  Compound                         |  Level 1  |  Level 2  |  Level 3  |  Level 4  |  Level 5  |  Level 6  |Curve|    b          m1          m2       |  or R^2  |
|                                   |-----------|-----------|-----------|-----------|-----------|-----------|     |                                        |          |
|                                   |  20.0000  |           |           |           |           |           |     |                                        |          |
|                                   |  Level 7  |           |           |           |           |           |     |                                        |          |
|===================================|===========|===========|===========|===========|===========|===========|=====|========================================|==========|
|  63 Di-n-butylphthalate           |      21657|      48994|     117464|     274468|     680520|    1391254|     |            |            |            |          |
|                                   |    2864226|           |           |           |           |           |QUAD |0.000e+000|    0.92185|   -0.02722|   0.99955|
|-----------------------------------|-----------|-----------|-----------|-----------|-----------|-----------|-----|----------|-----------|-----------|----------|
|  64 Fluoranthene                  |    1.41649|    1.17684|    1.35328|    1.13803|    1.25393|    1.30735|     |          |           |           |          |
|                                   |    1.36968|           |           |           |           |           |AVRG |          |    1.28794|           |   8.00806|
|-----------------------------------|-----------|-----------|-----------|-----------|-----------|-----------|-----|----------|-----------|-----------|----------|
|  65 Pyrene                        |    1.49982|    1.27969|    1.42524|    1.18702|    1.29795|    1.37075|     |          |           |           |          |
|                                   |    1.41865|           |           |           |           |           |AVRG |          |    1.35416|           |   7.82345|
|-----------------------------------|-----------|-----------|-----------|-----------|-----------|-----------|-----|----------|-----------|-----------|----------|
|  67 Butylbenzylphthalate          |       8026|      17654|      44722|     109056|     283059|     545847|     |          |           |           |          |
|                                   |    1105661|           |           |           |           |           |QUAD |0.000e+000|    1.95943|   -0.05530|   0.99953|
|-----------------------------------|-----------|-----------|-----------|-----------|-----------|-----------|-----|----------|-----------|-----------|----------|
|  68 Benzo(a)anthracene            |    1.35716|    1.13912|    1.28609|    1.07378|    1.16308|    1.22100|     |          |           |           |          |
|                                   |    1.24181|           |           |           |           |           |AVRG |          |    1.21172|           |   7.85360|
|-----------------------------------|-----------|-----------|-----------|-----------|-----------|-----------|-----|----------|-----------|-----------|----------|
|  70 3,3'-Dichlorobenzidine        |    +++++  |    0.35602|    0.39215|    0.31817|    0.30742|    0.39748|     |          |           |           |          |
|                                   |    0.45438|           |           |           |           |           |AVRG |          |    0.37094|           |  14.84368|
|-----------------------------------|-----------|-----------|-----------|-----------|-----------|-----------|-----|----------|-----------|-----------|----------|
|  71 Chrysene                      |    1.34597|    1.11969|    1.21535|    0.99594|    1.07015|    1.11462|     |          |           |           |          |
|                                   |    1.15028|           |           |           |           |           |AVRG |          |    1.14457|           |   9.75175|
|-----------------------------------|-----------|-----------|-----------|-----------|-----------|-----------|-----|----------|-----------|-----------|----------|
|___________________________________|___________|___________|___________|___________|___________|___________|_____|__________|___________|___________|__________|
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ARI Labs, Inc.

INITIAL CALIBRATION DATA

Start Cal Date : 30-DEC-2022 08:06
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Integrator : HP RTE
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Last Edit : 30-Dec-2022 17:01 deenayd

	0.2000000	0.5000000	1.0000	2.5000	5.0000	10.0000		Coefficients			%RSD
Compound	Level 1	Level 2	Level 3	Level 4	Level 5	Level 6	Curve	b	m1	m2	or R^2
	20.0000										
	Level 7										
72 bis(2-Ethylhexyl)phthalate	0.39570	0.36331	0.47229	0.43990	0.45951	0.49597					
	0.48295						AVRG		0.44423		10.92030
73 Di-n-octylphthalate	1.20366	0.97839	1.06228	0.86527	0.85596	0.89085					
	0.86479						AVRG		0.96017		13.69944
74 Benzo(b)fluoranthene	1.29643	1.06474	1.31960	1.11886	1.25593	1.32801					
	1.41604						AVRG		1.25709		9.84273
75 Benzo(k)fluoranthene	1.45095	1.20794	1.28150	1.10572	1.19408	1.30815					
	1.40788						AVRG		1.27946		9.53602
187 Total Benzofluoranthenes	1.32304	1.09554	1.24415	1.06518	1.16785	1.25921					
	1.35236						AVRG		1.21533		9.03129
76 Benzo(a)pyrene	1.06626	0.90482	1.04479	0.92735	1.03294	1.12839					
	1.21056						AVRG		1.04501		10.22109
78 Indeno(1,2,3-cd)pyrene	1.23736	1.04597	1.21522	1.07425	1.15466	1.24796					
	1.34024						AVRG		1.18795		8.70548

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                                  ARI Labs, Inc.

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Origin           : Force
Target Version   : 4.14
Integrator       : HP RTE
Method file      : \\target\share\chem3\nt14.i\20221230.b\ABN.m
Last Edit        : 30-Dec-2022 17:01 deenayd
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 ____________________________________________________________________________________________________________________________________________________________________________________
|                                   | 0.2000000 | 0.5000000 |  1.0000   |  2.5000   |  5.0000   |  10.0000  |     |           Coefficients             |   %RSD   |
|   Compound                        |  Level 1  |  Level 2  |  Level 3  |  Level 4  |  Level 5  |  Level 6  |Curve|    b         m1          m2      |  or R^2  |
|                                   |-----------|-----------|-----------|-----------|-----------|-----------|     |                                    |          |
|                                   |  20.0000  |           |           |           |           |           |     |                                    |          |
|                                   |  Level 7  |           |           |           |           |           |     |                                    |          |
|===================================|===========|===========|===========|===========|===========|===========|=====|====================================|==========|
|   79 Dibenzo(a,h)anthracene       |    1.08047|    0.89198|    1.02679|    0.89648|    0.96285|    1.06373|     |          |          |          |          |
|                                   |    1.14413|           |           |           |           |           |AVRG |          |   1.00949|          |   9.49823|
|-----------------------------------|-----------|-----------|-----------|-----------|-----------|-----------|-----|----------|----------|----------|----------|
|   80 Benzo(g,h,i)perylene         |    1.09031|    0.89828|    1.02028|    0.89458|    0.93905|    1.03127|     |          |          |          |          |
|                                   |    1.09243|           |           |           |           |           |AVRG |          |   0.99517|          |   8.51662|
|-----------------------------------|-----------|-----------|-----------|-----------|-----------|-----------|-----|----------|----------|----------|----------|
|   90 N-Nitrosodimethylamine       |    1.05149|    0.88437|    0.97997|    0.83613|    0.85202|    0.84122|     |          |          |          |          |
|                                   |    0.73278|           |           |           |           |           |AVRG |          |   0.88257|          |  11.81707|
|-----------------------------------|-----------|-----------|-----------|-----------|-----------|-----------|-----|----------|----------|----------|----------|
|   91 Aniline                      |    2.10293|    1.73319|    1.83176|    1.59251|    1.65533|    1.69345|     |          |          |          |          |
|                                   |    1.65597|           |           |           |           |           |AVRG |          |   1.75216|          |   9.81075|
|-----------------------------------|-----------|-----------|-----------|-----------|-----------|-----------|-----|----------|----------|----------|----------|
|   92 1,2-Diphenylhydrazine        |   +++++   |   +++++   |   +++++   |   +++++   |   +++++   |   +++++   |     |          |          |          |          |
|                                   |   +++++   |           |           |           |           |           |AVRG |          |0.000e+000|          |0.000e+000|
|-----------------------------------|-----------|-----------|-----------|-----------|-----------|-----------|-----|----------|----------|----------|----------|
|   93 Benzidine                    |   +++++   |      50054|      95074|     194169|     482728|    1160731|     |          |          |          |          |
|                                   |    2468777|           |           |           |           |           |QUAD |0.000e+000|   2.04434|  -0.06983|   0.99754|
|-----------------------------------|-----------|-----------|-----------|-----------|-----------|-----------|-----|----------|----------|----------|----------|
|   96 p-Cymene                     |   +++++   |   +++++   |   +++++   |   +++++   |   +++++   |   +++++   |     |          |          |          |          |
|                                   |   +++++   |           |           |           |           |           |AVRG |          |0.000e+000|          |0.000e+000|
|-----------------------------------|-----------|-----------|-----------|-----------|-----------|-----------|-----|----------|----------|----------|----------|
|___________________________________|___________|___________|___________|___________|___________|___________|_____|__________|__________|__________|__________|
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                         ARI Labs, Inc.

                    INITIAL CALIBRATION DATA

Start Cal Date   : 30-DEC-2022 08:06
End Cal Date     : 30-DEC-2022 11:43
Quant Method     : ISTD
Origin           : Force
Target Version   : 4.14
Integrator       : HP RTE
Method file      : \\target\share\chem3\nt14.i\20221230.b\ABN.m
Last Edit        : 30-Dec-2022 17:01 deenayd
```

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 _____________________________________________________________________________________________________________________________________________________________
|                                   | 0.2000000 | 0.5000000 |  1.0000   |  2.5000   |  5.0000   |  10.0000  |     |          Coefficients          |   %RSD   |
|  Compound                         |  Level 1  |  Level 2  |  Level 3  |  Level 4  |  Level 5  |  Level 6  |Curve|    b          m1          m2   |  or R^2  |
|                                   |-----------|-----------|-----------|-----------|-----------|-----------|     |                                |          |
|                                   |  20.0000  |           |           |           |           |           |     |                                |          |
|                                   |  Level 7  |           |           |           |           |           |     |                                |          |
|===================================|===========|===========|===========|===========|===========|===========|=====|================================|==========|
|  97 Caffeine                      |   +++++   |   +++++   |   +++++   |   +++++   |   +++++   |   +++++   |     |          |          |          |          |
|                                   |   +++++   |           |           |           |           |           |AVRG |          |0.000e+000|          |0.000e+000|
|-----------------------------------|-----------|-----------|-----------|-----------|-----------|-----------|-----|----------|----------|----------|----------|
|  98 Retene                        |   +++++   |   +++++   |   +++++   |   +++++   |   +++++   |   +++++   |     |          |          |          |          |
|                                   |   +++++   |           |           |           |           |           |AVRG |          |0.000e+000|          |0.000e+000|<-
|-----------------------------------|-----------|-----------|-----------|-----------|-----------|-----------|-----|----------|----------|----------|----------|
|  99 Perylene                      |   +++++   |   +++++   |   +++++   |   +++++   |   +++++   |   +++++   |     |          |          |          |          |
|                                   |   +++++   |           |           |           |           |           |AVRG |          |0.000e+000|          |0.000e+000|<-
|-----------------------------------|-----------|-----------|-----------|-----------|-----------|-----------|-----|----------|----------|----------|----------|
| 100 3-beta-Coprostanol            |   +++++   |   +++++   |   +++++   |   +++++   |   +++++   |   +++++   |     |          |          |          |          |
|                                   |   +++++   |           |           |           |           |           |AVRG |          |0.000e+000|          |0.000e+000|<-
|-----------------------------------|-----------|-----------|-----------|-----------|-----------|-----------|-----|----------|----------|----------|----------|
| 101 Cholesterol                   |   +++++   |   +++++   |   +++++   |   +++++   |   +++++   |   +++++   |     |          |          |          |          |
|                                   |   +++++   |           |           |           |           |           |AVRG |          |0.000e+000|          |0.000e+000|<-
|-----------------------------------|-----------|-----------|-----------|-----------|-----------|-----------|-----|----------|----------|----------|----------|
| 102 beta-Sitosterol               |   +++++   |   +++++   |   +++++   |   +++++   |   +++++   |   +++++   |     |          |          |          |          |
|                                   |   +++++   |           |           |           |           |           |AVRG |          |0.000e+000|          |0.000e+000|
|-----------------------------------|-----------|-----------|-----------|-----------|-----------|-----------|-----|----------|----------|----------|----------|
| 103 Pyridine                      |    3.35054|    2.84937|    3.26505|    2.69575|    2.65192|    2.60034|     |          |          |          |          |
|                                   |    2.21804|           |           |           |           |           |AVRG |          |   2.80443|          |  14.06111|
|-----------------------------------|-----------|-----------|-----------|-----------|-----------|-----------|-----|----------|----------|----------|----------|
|___________________________________|___________|___________|___________|___________|___________|___________|_____|__________|__________|__________|__________|
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ARI Labs, Inc.

INITIAL CALIBRATION DATA

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Start Cal Date   : 30-DEC-2022 08:06
End Cal Date     : 30-DEC-2022 11:43
Quant Method     : ISTD
Origin           : Force
Target Version   : 4.14
Integrator       : HP RTE
Method file      : \\target\share\chem3\nt14.i\20221230.b\ABN.m
Last Edit        : 30-Dec-2022 17:01 deenayd
```

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 _______________________________________________________________________________________________________________________________________________________________________
|                                   | 0.2000000 | 0.5000000 |  1.0000   |  2.5000   |  5.0000   |  10.0000  |     |            Coefficients            |   %RSD   |
|   Compound                        |  Level 1  |  Level 2  |  Level 3  |  Level 4  |  Level 5  |  Level 6  |Curve|    b          m1          m2     |  or R^2  |
|                                   |-----------|-----------|-----------|-----------|-----------|-----------|     |                                    |          |
|                                   |  20.0000  |           |           |           |           |           |     |                                    |          |
|                                   |  Level 7  |           |           |           |           |           |     |                                    |          |
|===================================|===========|===========|===========|===========|===========|===========|=====|====================================|==========|
|  188 2,6-Dichlorophenol           |   +++++   |   +++++   |   +++++   |   +++++   |   +++++   |   +++++   |     |          |          |          |          |
|                                   |   +++++   |           |           |           |           |           |AVRG |          |0.000e+000|          |0.000e+000|<-
|-----------------------------------|-----------|-----------|-----------|-----------|-----------|-----------|-----|----------|----------|----------|----------|
|  189 N-Nitrosomethylethylamine    |   +++++   |   +++++   |   +++++   |   +++++   |   +++++   |   +++++   |     |          |          |          |          |
|                                   |   +++++   |           |           |           |           |           |AVRG |          |0.000e+000|          |0.000e+000|<-
|=============================================================================================================================================================|
|$   1 2-Fluorophenol               |    1.45602|    1.19283|    1.40828|    1.19259|    1.24246|    1.25530|     |          |          |          |          |
|                                   |    1.22294|           |           |           |           |           |AVRG |          |   1.28149|          |   8.30362|
|-----------------------------------|-----------|-----------|-----------|-----------|-----------|-----------|-----|----------|----------|----------|----------|
|$ 137 d8-1,4-Dioxane               |   +++++   |   +++++   |   +++++   |   +++++   |   +++++   |   +++++   |     |          |          |          |          |
|                                   |   +++++   |           |           |           |           |           |AVRG |          |0.000e+000|          |0.000e+000|<-
|-----------------------------------|-----------|-----------|-----------|-----------|-----------|-----------|-----|----------|----------|----------|----------|
|$   2 Phenol-d5                    |    1.69092|    1.44217|    1.68594|    1.45879|    1.57335|    1.61147|     |          |          |          |          |
|                                   |    1.62318|           |           |           |           |           |AVRG |          |   1.58369|          |   6.31534|
|-----------------------------------|-----------|-----------|-----------|-----------|-----------|-----------|-----|----------|----------|----------|----------|
|$   5 2-Chlorophenol-d4            |    1.45976|    1.22369|    1.42935|    1.22322|    1.29609|    1.33442|     |          |          |          |          |
|                                   |    1.34383|           |           |           |           |           |AVRG |          |   1.33005|          |   6.91635|
|-----------------------------------|-----------|-----------|-----------|-----------|-----------|-----------|-----|----------|----------|----------|----------|
|$  10 1,2-Dichlorobenzene-d4       |    1.07029|    0.87758|    0.98540|    0.80523|    0.84965|    0.87971|     |          |          |          |          |
|                                   |    0.89556|           |           |           |           |           |AVRG |          |   0.90906|          |   9.85632|
|-----------------------------------|-----------|-----------|-----------|-----------|-----------|-----------|-----|----------|----------|----------|----------|
|___________________________________|___________|___________|___________|___________|___________|___________|_____|__________|__________|__________|__________|
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ARI Labs, Inc.

INITIAL CALIBRATION DATA

```
Start Cal Date  : 30-DEC-2022 08:06
End Cal Date    : 30-DEC-2022 11:43
Quant Method    : ISTD
Origin          : Force
Target Version  : 4.14
Integrator      : HP RTE
Method file     : \\target\share\chem3\nt14.i\20221230.b\ABN.m
Last Edit       : 30-Dec-2022 17:01 deenayd
```

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_____________________________________________________________________________________________________________________________________________________________________________________
|                                    | 0.2000000 | 0.5000000 |  1.0000   |  2.5000   |  5.0000   |  10.0000  |     |          Coefficients          |  %RSD   |
|   Compound                         |  Level 1  |  Level 2  |  Level 3  |  Level 4  |  Level 5  |  Level 6  |Curve|    b         m1          m2    |  or R^2 |
|                                    |-----------|-----------|-----------|-----------|-----------|-----------|     |                                |         |
|                                    |  20.0000  |           |           |           |           |           |     |                                |         |
|                                    |  Level 7  |           |           |           |           |           |     |                                |         |
|====================================|===========|===========|===========|===========|===========|===========|=====|================================|=========|
|$  18 Nitrobenzene-d5               |    0.36037|    0.29932|    0.34614|    0.30694|    0.33341|    0.35263|     |          |          |          |         |
|                                    |    0.36560|           |           |           |           |           |AVRG |          |   0.33778|          |  7.66710|
|------------------------------------|-----------|-----------|-----------|-----------|-----------|-----------|-----|----------|----------|----------|---------|
|$  36 2-Fluorobiphenyl              |    1.59099|    1.26085|    1.46899|    1.20015|    1.24768|    1.30306|     |          |          |          |         |
|                                    |    1.34248|           |           |           |           |           |AVRG |          |   1.34489|          | 10.30227|
|------------------------------------|-----------|-----------|-----------|-----------|-----------|-----------|-----|----------|----------|----------|---------|
|$  55 2,4,6-Tribromophenol          |    +++++  |       7439|      19272|      44278|     110315|     228033|     |          |          |          |         |
|                                    |     504769|           |           |           |           |           |QUAD |0.000e+000|   5.34233|  -0.59550|  0.99961|
|------------------------------------|-----------|-----------|-----------|-----------|-----------|-----------|-----|----------|----------|----------|---------|
|$  66 Terphenyl-d14                 |    1.11252|    0.90736|    1.06335|    0.86077|    0.91998|    0.92552|     |          |          |          |         |
|                                    |    0.93178|           |           |           |           |           |AVRG |          |   0.96018|          |  9.52115|
|------------------------------------|-----------|-----------|-----------|-----------|-----------|-----------|-----|----------|----------|----------|---------|
|$  85 p-Cresol-d4                   |    +++++  |    +++++  |    +++++  |    +++++  |    +++++  |    +++++  |     |          |          |          |         |
|                                    |    +++++  |           |           |           |           |           |AVRG |          |0.000e+000|          |0.000e+000|
|------------------------------------|-----------|-----------|-----------|-----------|-----------|-----------|-----|----------|----------|----------|---------|
|$  86 Anthracene-d10                |    +++++  |    +++++  |    +++++  |    +++++  |    +++++  |    +++++  |     |          |          |          |         |
|                                    |    +++++  |           |           |           |           |           |AVRG |          |0.000e+000|          |0.000e+000|
|------------------------------------|-----------|-----------|-----------|-----------|-----------|-----------|-----|----------|----------|----------|---------|
|$  87 Fluoranthene-d10              |    +++++  |    +++++  |    +++++  |    +++++  |    +++++  |    +++++  |     |          |          |          |         |
|                                    |    +++++  |           |           |           |           |           |AVRG |          |0.000e+000|          |0.000e+000|
|------------------------------------|-----------|-----------|-----------|-----------|-----------|-----------|-----|----------|----------|----------|---------|
|____________________________________|___________|___________|___________|___________|___________|___________|_____|__________|__________|__________|_________|
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                                  ARI Labs, Inc.

                             INITIAL CALIBRATION DATA

Start Cal Date  : 30-DEC-2022 08:06
End Cal Date    : 30-DEC-2022 11:43
Quant Method    : ISTD
Origin          : Force
Target Version  : 4.14
Integrator      : HP RTE
Method file     : \\target\share\chem3\nt14.i\20221230.b\ABN.m
Last Edit       : 30-Dec-2022 17:01 deenayd

 ____________________________________________________________________________________________________________________________________________________________________________
|                                    | 0.2000000 | 0.5000000 |  1.0000   |  2.5000   |  5.0000   |  10.0000  |     |              Coefficients              |   %RSD   |
|   Compound                         |  Level 1  |  Level 2  |  Level 3  |  Level 4  |  Level 5  |  Level 6  |Curve|     b          m1           m2        |  or R^2  |
|                                    |-----------|-----------|-----------|-----------|-----------|-----------|     |                                        |          |
|                                    |  20.0000  |           |           |           |           |           |     |                                        |          |
|                                    |  Level 7  |           |           |           |           |           |     |                                        |          |
|====================================|===========|===========|===========|===========|===========|===========|=====|========================================|==========|
|$  88 Dibenz(a,h)anthracene-d14     |   +++++   |   +++++   |   +++++   |   +++++   |   +++++   |   +++++   |     |          |          |          |          |
|                                    |   +++++   |           |           |           |           |           |AVRG |          |0.000e+000|          |0.000e+000|
|------------------------------------|-----------|-----------|-----------|-----------|-----------|-----------|-----|----------|----------|----------|----------|
|$  89 Diphenyl-d10                  |   +++++   |   +++++   |   +++++   |   +++++   |   +++++   |   +++++   |     |          |          |          |          |
|                                    |   +++++   |           |           |           |           |           |AVRG |          |0.000e+000|          |0.000e+000|
|------------------------------------|-----------|-----------|-----------|-----------|-----------|-----------|-----|----------|----------|----------|----------|
|$  95 D10-1-methylnaphthalene       |   +++++   |   +++++   |   +++++   |   +++++   |   +++++   |   +++++   |     |          |          |          |          |
|                                    |   +++++   |           |           |           |           |           |AVRG |          |0.000e+000|          |0.000e+000|
|------------------------------------|-----------|-----------|-----------|-----------|-----------|-----------|-----|----------|----------|----------|----------|
|____________________________________|___________|___________|___________|___________|___________|___________|_____|__________|__________|__________|__________|
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ARI Labs, Inc.

INITIAL CALIBRATION DATA

```
Start Cal Date   : 30-DEC-2022 08:06
End Cal Date     : 30-DEC-2022 11:43
Quant Method     : ISTD
Origin           : Force
Target Version   : 4.14
Integrator       : HP RTE
Method file      : \\target\share\chem3\nt14.i\20221230.b\ABN.m
Last Edit        : 30-Dec-2022 17:01 deenayd
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 __________________________________________________________________
| Curve    | Formula                                  | Units       |
|==========|==========================================|=============|
| Averaged | Amt = Rsp/m1                             |  Response   |
| Quad     | Amt = b + m1*Rsp + m2*Rsp^2              |  Response   |
|__________|__________________________________________|_____________|
```

Report Date : 04-Jan-2023 08:24

ARI Labs, Inc.
RETENTION TIME SUMMARY REPORT

Method File: \\target\share\chem3\nt14.i\20221230.b\ABN.m
Batch File: \\target\share\chem3\nt14.i\20221230.b
Inst ID: nt14.i

ID:	RT01	RT02	RT03	RT04	RT05	RT06	RT07
FILENAME:	NT1422123002	NT1422123003	NT1422123004	NT1422123005	NT1422123006	NT1422123007	NT1422123008
INJ.DATE:	30-DEC-2022	30-DEC-2022	30-DEC-2022	30-DEC-2022	30-DEC-2022	30-DEC-2022	30-DEC-2022
INJ.TIME:	08:06	08:42	09:18	09:54	10:30	11:07	11:43

Compound	RT01	RT02	RT03	RT04	RT05	RT06	RT07	EXPEC RT	RT WINDOW	AVG RT	STD DEV
$ 1 2-Fluorophenol	6.935	6.943	6.935	6.935	6.935	6.935	6.935	6.935	3.935-9.935	6.936	0.003
186 Carbaryl	+++++	+++++	+++++	+++++	+++++	+++++	+++++	18.785	15.785-21.785	+++++	+++++
179 n-Decane	+++++	+++++	+++++	+++++	+++++	+++++	+++++	8.645	5.645-11.645	+++++	+++++
180 n-Octadecane	+++++	+++++	+++++	+++++	+++++	+++++	+++++	17.455	14.455-20.455	+++++	+++++
169 4-tert-Butylphenol	+++++	+++++	+++++	+++++	+++++	+++++	+++++	20.696	17.696-23.696	+++++	+++++
170 N,N-Dimethylaniline	+++++	+++++	+++++	+++++	+++++	+++++	+++++	19.219	16.219-22.219	+++++	+++++
171 2,3-Dimethylaniline	+++++	+++++	+++++	+++++	+++++	+++++	+++++	19.559	16.559-22.559	+++++	+++++
172 2,4-Dimethylaniline	+++++	+++++	+++++	+++++	+++++	+++++	+++++	19.559	16.559-22.559	+++++	+++++
173 2,5-Dimethylaniline	+++++	+++++	+++++	+++++	+++++	+++++	+++++	22.949	19.949-25.949	+++++	+++++
174 2,6-Dimethylaniline	+++++	+++++	+++++	+++++	+++++	+++++	+++++	19.196	16.196-22.196	+++++	+++++
175 3,4-Dimethylaniline	+++++	+++++	+++++	+++++	+++++	+++++	+++++	19.559	16.559-22.559	+++++	+++++
176 3,5-Dimethylaniline	+++++	+++++	+++++	+++++	+++++	+++++	+++++	20.503	17.503-23.503	+++++	+++++
177 p-Benzoquinone	+++++	+++++	+++++	+++++	+++++	+++++	+++++	7.827	4.827-10.827	+++++	+++++
168 Pentachlorobenzene	+++++	+++++	+++++	+++++	+++++	+++++	+++++	15.842	12.842-18.842	+++++	+++++
145 4,4'-DDE	+++++	+++++	+++++	+++++	+++++	+++++	+++++	47.212	44.212-50.212	+++++	+++++
146 4,4'-DDD	+++++	+++++	+++++	+++++	+++++	+++++	+++++	47.746	44.746-50.746	+++++	+++++
147 4,4'-DDT	+++++	+++++	+++++	+++++	+++++	+++++	+++++	48.216	45.216-51.216	+++++	+++++

Reviewer 1 ______________________________ Date:____________________
Reviewer 2 ______________________________ Date:____________________

ARI Labs, Inc.
RETENTION TIME SUMMARY REPORT

Method File: \\target\share\chem3\nt14.i\20221230.b\ABN.m
Batch File: \\target\share\chem3\nt14.i\20221230.b
Inst ID: nt14.i

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 __________________________________________________________________________________________________________________________________________
| Compound                    |  RT01   |  RT02   |  RT03   |  RT04   |  RT05   |  RT06   |  RT07   |EXPEC RT|    RT WINDOW     | AVG RT | STD DEV|
|-----------------------------|---------|---------|---------|---------|---------|---------|---------|--------|------------------|--------|--------|
|  148 Dieldrin               |    +++++|    +++++|    +++++|    +++++|    +++++|    +++++|    +++++| 47.281| 44.281-50.281  |   +++++|   +++++|
|  149 TCMX                   |    +++++|    +++++|    +++++|    +++++|    +++++|    +++++|    +++++| 43.387| 40.387-46.387  |   +++++|   +++++|
|  150 DCBP                   |    +++++|    +++++|    +++++|    +++++|    +++++|    +++++|    +++++| 50.989| 47.989-53.989  |   +++++|   +++++|
|  138 Chlorobenzilate        |    +++++|    +++++|    +++++|    +++++|    +++++|    +++++|    +++++| 67.733| 64.733-70.733  |   +++++|   +++++|
|                             |---------|---------|---------|---------|---------|---------|---------|--------|------------------|--------|--------|
|  139 Isodrin                |    +++++|    +++++|    +++++|    +++++|    +++++|    +++++|    +++++| 65.067| 62.067-68.067  |   +++++|   +++++|
|  140 Diallate A             |    +++++|    +++++|    +++++|    +++++|    +++++|    +++++|    +++++| 65.487| 62.487-68.487  |   +++++|   +++++|
|  141 Diallate B             |    +++++|    +++++|    +++++|    +++++|    +++++|    +++++|    +++++| 65.487| 62.487-68.487  |   +++++|   +++++|
|  142 1,2-Dibromo-3-Chloropr|    +++++|    +++++|    +++++|    +++++|    +++++|    +++++|    +++++| 49.917| 46.917-52.917  |   +++++|   +++++|
|  135 2,3,5,6-Tetrachlorophe|    +++++|    +++++|    +++++|    +++++|    +++++|    +++++|    +++++| 16.383| 13.383-19.383  |   +++++|   +++++|
|  136 2,3,4,5-tetrachlorophe|    +++++|    +++++|    +++++|    +++++|    +++++|    +++++|    +++++| 39.317| 36.317-42.317  |   +++++|   +++++|
|$ 137 d8-1,4-Dioxane         |    +++++|    +++++|    +++++|    +++++|    +++++|    +++++|    +++++|  2.445|  0.000-5.445   |   +++++|   +++++|
|                             |---------|---------|---------|---------|---------|---------|---------|--------|------------------|--------|--------|
|* 134 Di-n-octylphthalate-d4|  24.437|  24.445|  24.437|  24.437|  24.437|  24.437|  24.437| 24.437| 21.437-27.437  |  24.438|   0.003|
|  133 Butylatedhydroxytoluen|    +++++|    +++++|    +++++|    +++++|    +++++|    +++++|    +++++| 15.571| 12.571-18.571  |   +++++|   +++++|
|  132 3,6-Dimethylphenanthre|    +++++|    +++++|    +++++|    +++++|    +++++|    +++++|    +++++| 65.450| 62.450-68.450  |   +++++|   +++++|
|  131 1-Methylphenanthrene   |    +++++|    +++++|    +++++|    +++++|    +++++|    +++++|    +++++| 64.400| 61.400-67.400  |   +++++|   +++++|
|  130 Dibenzothiophene       |    +++++|    +++++|    +++++|    +++++|    +++++|    +++++|    +++++| 62.100| 59.100-65.100  |   +++++|   +++++|
|  129 1-Methylfluorene       |    +++++|    +++++|    +++++|    +++++|    +++++|    +++++|    +++++| 54.912| 51.912-57.912  |   +++++|   +++++|
|  128 N-Hexadecane           |    +++++|    +++++|    +++++|    +++++|    +++++|    +++++|    +++++| 54.212| 51.212-57.212  |   +++++|   +++++|
|                             |---------|---------|---------|---------|---------|---------|---------|--------|------------------|--------|--------|
|  127 2-Isopropylnaphthalene|    +++++|    +++++|    +++++|    +++++|    +++++|    +++++|    +++++| 57.650| 54.650-60.650  |   +++++|   +++++|
|  126 N-Tetradecane          |    +++++|    +++++|    +++++|    +++++|    +++++|    +++++|    +++++| 56.750| 53.750-59.750  |   +++++|   +++++|
|  144 alpha-Terpineol        |    +++++|    +++++|    +++++|    +++++|    +++++|    +++++|    +++++| 11.447|  8.447-14.447  |   +++++|   +++++|
|  125 Safrole                |    +++++|    +++++|    +++++|    +++++|    +++++|    +++++|    +++++| 52.166| 49.166-55.166  |   +++++|   +++++|
|__________________________________________________________________________________________________________________________________________|
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Report Date : 04-Jan-2023 08:24                                                              Page 3

                                 ARI Labs, Inc.
                          RETENTION TIME SUMMARY REPORT

Method File: \\target\share\chem3\nt14.i\20221230.b\ABN.m
Batch File: \\target\share\chem3\nt14.i\20221230.b
Inst ID: nt14.i

 ____________________________________________________________________________________________________________________________________________
| Compound                   |  RT01   |  RT02   |  RT03   |  RT04   |  RT05   |  RT06   |  RT07   |EXPEC RT |    RT WINDOW     | AVG RT  | STD DEV |
|----------------------------|---------|---------|---------|---------|---------|---------|---------|---------|------------------|---------|---------|
|  124 3,4-Dimethylphenol    |    +++++|    +++++|    +++++|    +++++|    +++++|    +++++|    +++++|   50.617| 47.617-53.617    |    +++++|    +++++|
|  123 Acetophenone          |    +++++|    +++++|    +++++|    +++++|    +++++|    +++++|    +++++|   10.252|  7.252-13.252    |    +++++|    +++++|
|  122 Furfuraldehyde        |    +++++|    +++++|    +++++|    +++++|    +++++|    +++++|    +++++|   43.467| 40.467-46.467    |    +++++|    +++++|
|                            |---------|---------|---------|---------|---------|---------|---------|---------|------------------|---------|---------|
|  143 1,4-Dioxane           |    +++++|    +++++|    +++++|    +++++|    +++++|    +++++|    +++++|    2.697|  0.000-5.697     |    +++++|    +++++|
|  121 Quinoline             |    +++++|    +++++|    +++++|    +++++|    +++++|    +++++|    +++++|   54.500| 51.500-57.500    |    +++++|    +++++|
|  120 2,3,4,6-Tetrachlorophe|   16.052|   16.060|   16.052|   16.052|   16.052|   16.052|   16.052|   16.052| 13.052-19.052    |   16.053|    0.003|
|  178 2-Benzyl-4-Chloropheno|    +++++|    +++++|    +++++|    +++++|    +++++|    +++++|    +++++|   18.963| 15.963-21.963    |    +++++|    +++++|
|  119 7,12-Dimethylbenz(a)an|    +++++|    +++++|    +++++|    +++++|    +++++|    +++++|    +++++|   47.069| 44.069-50.069    |    +++++|    +++++|
|  118 Triphenyl Phosphate   |    +++++|    +++++|    +++++|    +++++|    +++++|    +++++|    +++++|   21.215| 18.215-24.215    |    +++++|    +++++|
|  117 Butyl Diphenyl Phospha|    +++++|    +++++|    +++++|    +++++|    +++++|    +++++|    +++++|   16.761| 13.761-19.761    |    +++++|    +++++|
|                            |---------|---------|---------|---------|---------|---------|---------|---------|------------------|---------|---------|
|  116 Dibutyl Phenyl Phospha|    +++++|    +++++|    +++++|    +++++|    +++++|    +++++|    +++++|   18.747| 15.747-21.747    |    +++++|    +++++|
|  115 Tributyl Phosphate    |    +++++|    +++++|    +++++|    +++++|    +++++|    +++++|    +++++|   16.923| 13.923-19.923    |    +++++|    +++++|
|  114 Beta-Pinene           |    +++++|    +++++|    +++++|    +++++|    +++++|    +++++|    +++++|   48.950| 45.950-51.950    |    +++++|    +++++|
|  113 Diphenyl Oxide        |    +++++|    +++++|    +++++|    +++++|    +++++|    +++++|    +++++|   14.341| 11.341-17.341    |    +++++|    +++++|
|  112 Biphenyl              |    +++++|    +++++|    +++++|    +++++|    +++++|    +++++|    +++++|   14.085| 11.085-17.085    |    +++++|    +++++|
|  111 Azobenzene (1,2-DP-Hyd|   16.747|   16.763|   16.747|   16.755|   16.747|   16.747|   16.747|   16.747| 13.747-19.747    |   16.751|    0.006|
|  110 Tetrachloroguaiacol   |    +++++|    +++++|    +++++|    +++++|    +++++|    +++++|    +++++|   17.140| 14.140-20.140    |    +++++|    +++++|
|                            |---------|---------|---------|---------|---------|---------|---------|---------|------------------|---------|---------|
|  109 3,4,5-Trichloroguaiaco|    +++++|    +++++|    +++++|    +++++|    +++++|    +++++|    +++++|   15.070| 12.070-18.070    |    +++++|    +++++|
|  181 3,4,6-Trichloroguaiaco|    +++++|    +++++|    +++++|    +++++|    +++++|    +++++|    +++++|   15.232| 12.232-18.232    |    +++++|    +++++|
|  108 4,5,6-Trichloroguaiaco|    +++++|    +++++|    +++++|    +++++|    +++++|    +++++|    +++++|   16.374| 13.374-19.374    |    +++++|    +++++|
|  184 3,4-Dichloroguaiacol  |    +++++|    +++++|    +++++|    +++++|    +++++|    +++++|    +++++|   13.120| 10.120-16.120    |    +++++|    +++++|
|  107 4,5-Dichloroguaiacol  |    +++++|    +++++|    +++++|    +++++|    +++++|    +++++|    +++++|   14.096| 11.096-17.096    |    +++++|    +++++|
|  182 4,6-Dichloroguaiacol  |    +++++|    +++++|    +++++|    +++++|    +++++|    +++++|    +++++|   14.096| 11.096-17.096    |    +++++|    +++++|
|  185 4-Chloroguaiacol      |    +++++|    +++++|    +++++|    +++++|    +++++|    +++++|    +++++|   11.735|  8.735-14.735    |    +++++|    +++++|
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                           ARI Labs, Inc.
                    RETENTION TIME SUMMARY REPORT

Method File: \\target\share\chem3\nt14.i\20221230.b\ABN.m
Batch File: \\target\share\chem3\nt14.i\20221230.b
Inst ID: nt14.i

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| Compound                    |  RT01   |  RT02   |  RT03   |  RT04   |  RT05   |  RT06   |  RT07   |EXPEC RT|    RT WINDOW     | AVG RT  | STD DEV|
|-----------------------------|---------|---------|---------|---------|---------|---------|---------|---------|-----------------|---------|---------|
|                             |---------|---------|---------|---------|---------|---------|---------|---------|-----------------|---------|---------|
|  106 Guaiacol               |   +++++|   +++++|   +++++|   +++++|   +++++|   +++++|   +++++|   9.243|  6.243-12.243  |   +++++|   +++++|
|  105 1-methylnaphthalene    | 13.360| 13.368| 13.360| 13.360| 13.360| 13.360| 13.360| 13.360| 10.360-16.360  | 13.361|   0.003|
|  151 1,2,4,5-Tetrachloroben|   +++++|   +++++|   +++++|   +++++|   +++++|   +++++|   +++++|  11.499|  8.499-14.499  |   +++++|   +++++|
|  152 Benzo(e)pyrene         |   +++++|   +++++|   +++++|   +++++|   +++++|   +++++|   +++++|  30.943| 27.943-33.943  |   +++++|   +++++|
|  153 Chlorpyrifos           |   +++++|   +++++|   +++++|   +++++|   +++++|   +++++|   +++++|  27.642| 24.642-30.642  |   +++++|   +++++|
|  154 Diazinon               |   +++++|   +++++|   +++++|   +++++|   +++++|   +++++|   +++++|  25.953| 22.953-28.953  |   +++++|   +++++|
|  155 Kelthane               |   +++++|   +++++|   +++++|   +++++|   +++++|   +++++|   +++++|  27.750| 24.750-30.750  |   +++++|   +++++|
|                             |---------|---------|---------|---------|---------|---------|---------|---------|-----------------|---------|---------|
|  156 Methyl Parathion       |   +++++|   +++++|   +++++|   +++++|   +++++|   +++++|   +++++|  26.464| 23.464-29.464  |   +++++|   +++++|
|  157 Ethyl Parathion        |   +++++|   +++++|   +++++|   +++++|   +++++|   +++++|   +++++|  27.099| 24.099-30.099  |   +++++|   +++++|
|  158 Ethion                 |   +++++|   +++++|   +++++|   +++++|   +++++|   +++++|   +++++|  24.513| 21.513-27.513  |   +++++|   +++++|
|  159 4-Nonylphenol          |   +++++|   +++++|   +++++|   +++++|   +++++|   +++++|   +++++|  25.132| 22.132-28.132  |   +++++|   +++++|
|  160 Tetraethyl Tin         |   +++++|   +++++|   +++++|   +++++|   +++++|   +++++|   +++++|  19.528| 16.528-22.528  |   +++++|   +++++|
|  161 1,2,3-Trichloronaphtha|   +++++|   +++++|   +++++|   +++++|   +++++|   +++++|   +++++|  36.246| 33.246-39.246  |   +++++|   +++++|
|  162 1,2,3,4-Tetrachloronap|   +++++|   +++++|   +++++|   +++++|   +++++|   +++++|   +++++|  37.506| 34.506-40.506  |   +++++|   +++++|
|                             |---------|---------|---------|---------|---------|---------|---------|---------|-----------------|---------|---------|
|  163 1,2,3,5,8-Pentachloron|   +++++|   +++++|   +++++|   +++++|   +++++|   +++++|   +++++|  38.893| 35.893-41.893  |   +++++|   +++++|
|  164 1,2,3,4,6,7-Hexachloro|   +++++|   +++++|   +++++|   +++++|   +++++|   +++++|   +++++|  39.681| 36.681-42.681  |   +++++|   +++++|
|  165 1,2,3,4,5,6,7-Heptachl|   +++++|   +++++|   +++++|   +++++|   +++++|   +++++|   +++++|  41.123| 38.123-44.123  |   +++++|   +++++|
|  166 Octachloronaphthalene |   +++++|   +++++|   +++++|   +++++|   +++++|   +++++|   +++++|  42.253| 39.253-45.253  |   +++++|   +++++|
|  167 2,2',4,4',5-Pentabromo|   +++++|   +++++|   +++++|   +++++|   +++++|   +++++|   +++++|  42.033| 39.033-45.033  |   +++++|   +++++|
|$    2 Phenol-d5             |   8.527|   8.542|   8.519|   8.535|   8.519|   8.527|   8.519|   8.527|  5.527-11.527  |   8.527|   0.009|
|     3 Phenol                |   8.550|   8.565|   8.542|   8.550|   8.542|   8.542|   8.542|   8.550|  5.550-11.550  |   8.548|   0.008|
|                             |---------|---------|---------|---------|---------|---------|---------|---------|-----------------|---------|---------|
|     4 Bis(2-Chloroethyl)ethe|   8.720|   8.728|   8.720|   8.720|   8.720|   8.720|   8.720|   8.720|  5.720-11.720  |   8.721|   0.003|
|$    5 2-Chlorophenol-d4     |   8.820|   8.828|   8.813|   8.820|   8.813|   8.813|   8.813|   8.820|  5.820-11.820  |   8.817|   0.006|
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ARI Labs, Inc.
RETENTION TIME SUMMARY REPORT

Method File: \\target\share\chem3\nt14.i\20221230.b\ABN.m
Batch File: \\target\share\chem3\nt14.i\20221230.b
Inst ID: nt14.i

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| Compound                    |  RT01   |  RT02   |  RT03   |  RT04   |  RT05   |  RT06   |  RT07   |EXPEC RT|    RT WINDOW     | AVG RT  | STD DEV|
|-----------------------------|---------|---------|---------|---------|---------|---------|---------|--------|------------------|---------|--------|
|    6 2-Chlorophenol         |   8.843|   8.851|   8.844|   8.844|   8.844|   8.844|   8.844|   8.843|   5.843-11.843  |   8.845|   0.003|
|    7 1,3-Dichlorobenzene    |   9.122|   9.122|   9.122|   9.122|   9.114|   9.122|   9.122|   9.122|   6.122-12.122  |   9.121|   0.003|
|*   8 1,4-Dichlorobenzene-d4|   9.184|   9.184|   9.184|   9.184|   9.184|   9.184|   9.184|   9.184|   6.184-12.184  |   9.184|   0.000|
|    9 1,4-Dichlorobenzene    |   9.215|   9.223|   9.215|   9.215|   9.215|   9.215|   9.215|   9.215|   6.215-12.215  |   9.216|   0.003|
|$  10 1,2-Dichlorobenzene-d4|   9.548|   9.556|   9.549|   9.549|   9.549|   9.549|   9.549|   9.548|   6.548-12.548  |   9.550|   0.003|
|                             |---------|---------|---------|---------|---------|---------|---------|--------|------------------|---------|--------|
|   11 Benzyl alcohol         |   9.448|   9.463|   9.448|   9.456|   9.448|   9.448|   9.448|   9.448|   6.448-12.448  |   9.451|   0.006|
|   12 1,2-Dichlorobenzene    |   9.572|   9.580|   9.572|   9.572|   9.572|   9.572|   9.572|   9.572|   6.572-12.572  |   9.573|   0.003|
|   13 2-Methylphenol         |   9.673|   9.681|   9.673|   9.673|   9.673|   9.673|   9.673|   9.673|   6.673-12.673  |   9.674|   0.003|
|   14 2,2'-oxybis(1-Chloropr|   9.758|   9.758|   9.759|   9.759|   9.759|   9.759|   9.759|   9.758|   6.758-12.758  |   9.758|   0.000|
|   15 4-Methylphenol         |   9.944|   9.960|   9.937|   9.945|   9.937|   9.945|   9.937|   9.944|   6.944-12.944  |   9.944|   0.008|
|   16 N-Nitroso-di-n-propyla|  10.014|  10.038|  10.015|  10.022|  10.015|  10.015|  10.015|  10.014|   7.014-13.014  |  10.019|   0.009|
|   17 Hexachloroethane       |  10.177|  10.177|  10.178|  10.178|  10.178|  10.178|  10.178|  10.177|   7.177-13.177  |  10.178|   0.000|
|                             |---------|---------|---------|---------|---------|---------|---------|--------|------------------|---------|--------|
|$  18 Nitrobenzene-d5        |  10.286|  10.294|  10.279|  10.286|  10.279|  10.279|  10.279|  10.286|   7.286-13.286  |  10.283|   0.006|
|   19 Nitrobenzene           |  10.317|  10.325|  10.317|  10.317|  10.317|  10.317|  10.317|  10.317|   7.317-13.317  |  10.318|   0.003|
|   20 Isophorone             |  10.775|  10.798|  10.767|  10.775|  10.767|  10.767|  10.767|  10.775|   7.775-13.775  |  10.774|   0.011|
|   21 2-Nitrophenol          |  10.953|  10.961|  10.954|  10.954|  10.954|  10.954|  10.954|  10.953|   7.953-13.953  |  10.955|   0.003|
|   22 2,4-Dimethylphenol     |  11.000|  11.015|  11.000|  11.008|  11.000|  11.000|  11.000|  11.000|   8.000-14.000  |  11.003|   0.006|
|   23 Bis(2-Chloroethoxy)met|  11.201|  11.209|  11.202|  11.202|  11.194|  11.202|  11.202|  11.201|   8.201-14.201  |  11.202|   0.004|
|   24 Benzoic acid           |  11.201|  11.357|  11.101|  11.271|  11.109|  11.155|  11.116|  11.201|   8.201-14.201  |  11.187|   0.096|
|                             |---------|---------|---------|---------|---------|---------|---------|--------|------------------|---------|--------|
|   25 2,4-Dichlorophenol     |  11.411|  11.419|  11.403|  11.411|  11.403|  11.403|  11.403|  11.411|   8.411-14.411  |  11.408|   0.006|
|   26 1,2,4-Trichlorobenzene|  11.604|  11.612|  11.604|  11.604|  11.597|  11.597|  11.604|  11.604|   8.604-14.604  |  11.603|   0.005|
|*  27 Naphthalene-d8         |  11.689|  11.697|  11.689|  11.689|  11.689|  11.689|  11.689|  11.689|   8.689-14.689  |  11.690|   0.003|
|   28 Naphthalene            |  11.735|  11.735|  11.728|  11.736|  11.728|  11.728|  11.728|  11.735|   8.735-14.735  |  11.731|   0.004|
|   29 4-Chloroaniline        |  11.859|  11.867|  11.852|  11.859|  11.851|  11.852|  11.851|  11.859|   8.859-14.859  |  11.856|   0.006|
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ARI Labs, Inc.
RETENTION TIME SUMMARY REPORT

Method File: \\target\share\chem3\nt14.i\20221230.b\ABN.m
Batch File: \\target\share\chem3\nt14.i\20221230.b
Inst ID: nt14.i

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| Compound                    |  RT01   |  RT02   |  RT03   |  RT04   |  RT05   |  RT06   |  RT07   |EXPEC RT|    RT WINDOW     | AVG RT | STD DEV|
|-----------------------------|---------|---------|---------|---------|---------|---------|---------|--------|------------------|--------|--------|
|   30 Hexachlorobutadiene    |  12.098|  12.099|  12.099|  12.099|  12.099|  12.099|  12.099|  12.098|   9.098-15.098  |  12.099|   0.000|
|   31 4-Chloro-3-methylpheno|  12.818|  12.826|  12.811|  12.818|  12.811|  12.811|  12.811|  12.818|   9.818-15.818  |  12.815|   0.006|
|                             |--------|--------|--------|--------|--------|--------|--------|--------|------------------|--------|--------|
|   32 2-Methylnaphthalene    |  13.135|  13.143|  13.136|  13.136|  13.136|  13.136|  13.136|  13.135|  10.135-16.135  |  13.137|   0.003|
|   33 Hexachlorocyclopentadi|  13.607|  13.615|  13.608|  13.608|  13.608|  13.608|  13.608|  13.607|  10.607-16.607  |  13.609|   0.003|
|   34 2,4,6-Trichlorophenol |  13.754|  13.762|  13.755|  13.755|  13.755|  13.755|  13.755|  13.754|  10.754-16.754  |  13.756|   0.003|
|   35 2,4,5-Trichlorophenol |  13.824|  13.840|  13.825|  13.832|  13.825|  13.825|  13.825|  13.824|  10.824-16.824  |  13.828|   0.006|
|$  36 2-Fluorobiphenyl      |  13.917|  13.925|  13.917|  13.917|  13.917|  13.917|  13.917|  13.917|  10.917-16.917  |  13.918|   0.003|
|   37 2-Chloronaphthalene   |  14.134|  14.142|  14.134|  14.134|  14.134|  14.134|  14.134|  14.134|  11.134-17.134  |  14.135|   0.003|
|   38 2-Nitroaniline        |  14.389|  14.405|  14.382|  14.389|  14.382|  14.382|  14.382|  14.389|  11.389-17.389  |  14.387|   0.009|
|                             |--------|--------|--------|--------|--------|--------|--------|--------|------------------|--------|--------|
|   39 Dimethylphthalate     |  14.822|  14.838|  14.815|  14.823|  14.815|  14.815|  14.815|  14.822|  11.822-17.822  |  14.821|   0.009|
|   40 Acenaphthylene        |  15.008|  15.016|  15.009|  15.009|  15.009|  15.009|  15.009|  15.008|  12.008-18.008  |  15.010|   0.003|
|   41 2,6-Dinitrotoluene    |  14.954|  14.970|  14.955|  14.962|  14.955|  14.955|  14.955|  14.954|  11.954-17.954  |  14.958|   0.006|
|*  42 Acenaphthene-d10      |  15.325|  15.333|  15.326|  15.326|  15.326|  15.326|  15.326|  15.325|  12.325-18.325  |  15.327|   0.003|
|   43 3-Nitroaniline        |  15.240|  15.264|  15.233|  15.248|  15.233|  15.233|  15.233|  15.240|  12.240-18.240  |  15.241|   0.012|
|   44 Acenaphthene          |  15.395|  15.403|  15.388|  15.395|  15.388|  15.388|  15.388|  15.395|  12.395-18.395  |  15.392|   0.006|
|   45 2,4-Dinitrophenol     |  15.457|  15.480|  15.442|  15.465|  15.442|  15.450|  15.442|  15.457|  12.457-18.457  |  15.454|   0.015|
|                             |--------|--------|--------|--------|--------|--------|--------|--------|------------------|--------|--------|
|   46 Dibenzofuran          |  15.720|  15.735|  15.712|  15.720|  15.712|  15.720|  15.712|  15.720|  12.720-18.720  |  15.719|   0.008|
|   47 4-Nitrophenol         |  15.550|  15.573|  15.542|  15.558|  15.542|  15.542|  15.542|  15.550|  12.550-18.550  |  15.550|   0.012|
|   48 2,4-Dinitrotoluene    |  15.766|  15.789|  15.759|  15.774|  15.759|  15.759|  15.759|  15.766|  12.766-18.766  |  15.766|   0.012|
|   49 Fluorene              |  16.438|  16.446|  16.431|  16.439|  16.431|  16.431|  16.431|  16.438|  13.438-19.438  |  16.435|   0.006|
|   50 Diethylphthalate      |  16.284|  16.307|  16.277|  16.292|  16.277|  16.277|  16.277|  16.284|  13.284-19.284  |  16.284|   0.012|
|   51 4-Chlorophenyl-phenyle|  16.423|  16.431|  16.423|  16.423|  16.423|  16.423|  16.423|  16.423|  13.423-19.423  |  16.424|   0.003|
|   52 4-Nitroaniline        |  16.516|  16.554|  16.501|  16.524|  16.501|  16.501|  16.501|  16.516|  13.516-19.516  |  16.514|   0.020|
|                             |--------|--------|--------|--------|--------|--------|--------|--------|------------------|--------|--------|
|   53 4,6-Dinitro-2-methylph|  16.616|  16.639|  16.601|  16.624|  16.601|  16.609|  16.601|  16.616|  13.616-19.616  |  16.613|   0.015|
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ARI Labs, Inc.
RETENTION TIME SUMMARY REPORT

Method File: \\target\share\chem3\nt14.i\20221230.b\ABN.m
Batch File: \\target\share\chem3\nt14.i\20221230.b
Inst ID: nt14.i

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| Compound                    |  RT01   |  RT02   |  RT03   |  RT04   |  RT05   |  RT06   |  RT07   |EXPEC RT|    RT WINDOW     | AVG RT | STD DEV|
|-----------------------------|---------|---------|---------|---------|---------|---------|---------|--------|------------------|--------|--------|
|   54 N-Nitrosodiphenylamine|  16.670|  16.685|  16.663|  16.670|  16.670|  16.670|  16.663|  16.670|  13.670-19.670  |  16.670|   0.008|
|$  55 2,4,6-Tribromophenol  |  16.971|  16.978|  16.971|  16.971|  16.963|  16.963|  16.963|  16.971|  13.971-19.971  |  16.969|   0.006|
|   56 4-Bromophenyl-phenylet|  17.433|  17.433|  17.426|  17.434|  17.426|  17.426|  17.426|  17.433|  14.433-20.433  |  17.429|   0.004|
|   57 Hexachlorobenzene     |  17.750|  17.758|  17.750|  17.750|  17.750|  17.750|  17.750|  17.750|  14.750-20.750  |  17.751|   0.003|
|   58 Pentachlorophenol     |  18.106|  18.114|  18.107|  18.106|  18.107|  18.099|  18.107|  18.106|  15.106-21.106  |  18.106|   0.004|
|*  59 Phenanthrene-d10      |  18.377|  18.377|  18.370|  18.377|  18.370|  18.370|  18.370|  18.377|  15.377-21.377  |  18.373|   0.004|
|                            |--------|--------|--------|--------|--------|--------|--------|--------|-----------------|--------|--------|
|   60 Phenanthrene          |  18.423|  18.431|  18.416|  18.424|  18.416|  18.416|  18.416|  18.423|  15.423-21.423  |  18.420|   0.006|
|   61 Anthracene            |  18.516|  18.524|  18.509|  18.517|  18.509|  18.509|  18.509|  18.516|  15.516-21.516  |  18.513|   0.006|
|   62 Carbazole             |  18.841|  18.849|  18.834|  18.841|  18.834|  18.834|  18.834|  18.841|  15.841-21.841  |  18.838|   0.006|
|   63 Di-n-butylphthalate   |  19.630|  19.630|  19.631|  19.631|  19.631|  19.631|  19.631|  19.630|  16.630-22.630  |  19.631|   0.000|
|   64 Fluoranthene          |  20.806|  20.806|  20.799|  20.807|  20.799|  20.799|  20.799|  20.806|  17.806-23.806  |  20.802|   0.004|
|   65 Pyrene                |  21.232|  21.232|  21.225|  21.224|  21.224|  21.225|  21.225|  21.232|  18.232-24.232  |  21.227|   0.004|
|$  66 Terphenyl-d14         |  21.510|  21.511|  21.503|  21.503|  21.503|  21.503|  21.503|  21.510|  18.510-24.510  |  21.505|   0.004|
|                            |--------|--------|--------|--------|--------|--------|--------|--------|-----------------|--------|--------|
|   67 Butylbenzylphthalate  |  22.424|  22.424|  22.424|  22.424|  22.424|  22.424|  22.424|  22.424|  19.424-25.424  |  22.424|   0.000|
|   68 Benzo(a)anthracene    |  23.384|  23.392|  23.385|  23.385|  23.377|  23.385|  23.385|  23.384|  20.384-26.384  |  23.384|   0.004|
|*  69 Chrysene-d12          |  23.415|  23.423|  23.408|  23.415|  23.408|  23.408|  23.408|  23.415|  20.415-26.415  |  23.412|   0.006|
|   70 3,3'-Dichlorobenzidine|  23.330|  23.346|  23.330|  23.338|  23.330|  23.330|  23.330|  23.330|  20.330-26.330  |  23.334|   0.006|
|   71 Chrysene              |  23.462|  23.470|  23.454|  23.462|  23.454|  23.454|  23.454|  23.462|  20.462-26.462  |  23.459|   0.006|
|   72 bis(2-Ethylhexyl)phtha|  23.446|  23.446|  23.447|  23.446|  23.439|  23.447|  23.447|  23.446|  20.446-26.446  |  23.445|   0.003|
|   73 Di-n-octylphthalate   |  24.452|  24.453|  24.445|  24.453|  24.445|  24.445|  24.445|  24.452|  21.452-27.452  |  24.448|   0.004|
|                            |--------|--------|--------|--------|--------|--------|--------|--------|-----------------|--------|--------|
|   74 Benzo(b)fluoranthene  |  25.312|  25.320|  25.297|  25.312|  25.297|  25.305|  25.305|  25.312|  22.312-28.312  |  25.307|   0.009|
|   75 Benzo(k)fluoranthene  |  25.358|  25.366|  25.343|  25.359|  25.343|  25.351|  25.343|  25.358|  22.358-28.358  |  25.352|   0.009|
|  187 Total Benzofluoranthen|  25.358|  25.366|  25.297|  25.359|  25.343|  25.351|  25.305|  25.358|  22.358-28.358  |  25.340|   0.028|
|   76 Benzo(a)pyrene        |  25.985|  26.001|  25.978|  25.986|  25.978|  25.978|  25.978|  25.985|  22.985-28.985  |  25.984|   0.009|
|______________________________________________________________________________________________________________________________________|
```

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Report Date : 04-Jan-2023 08:24                                                   Page 8

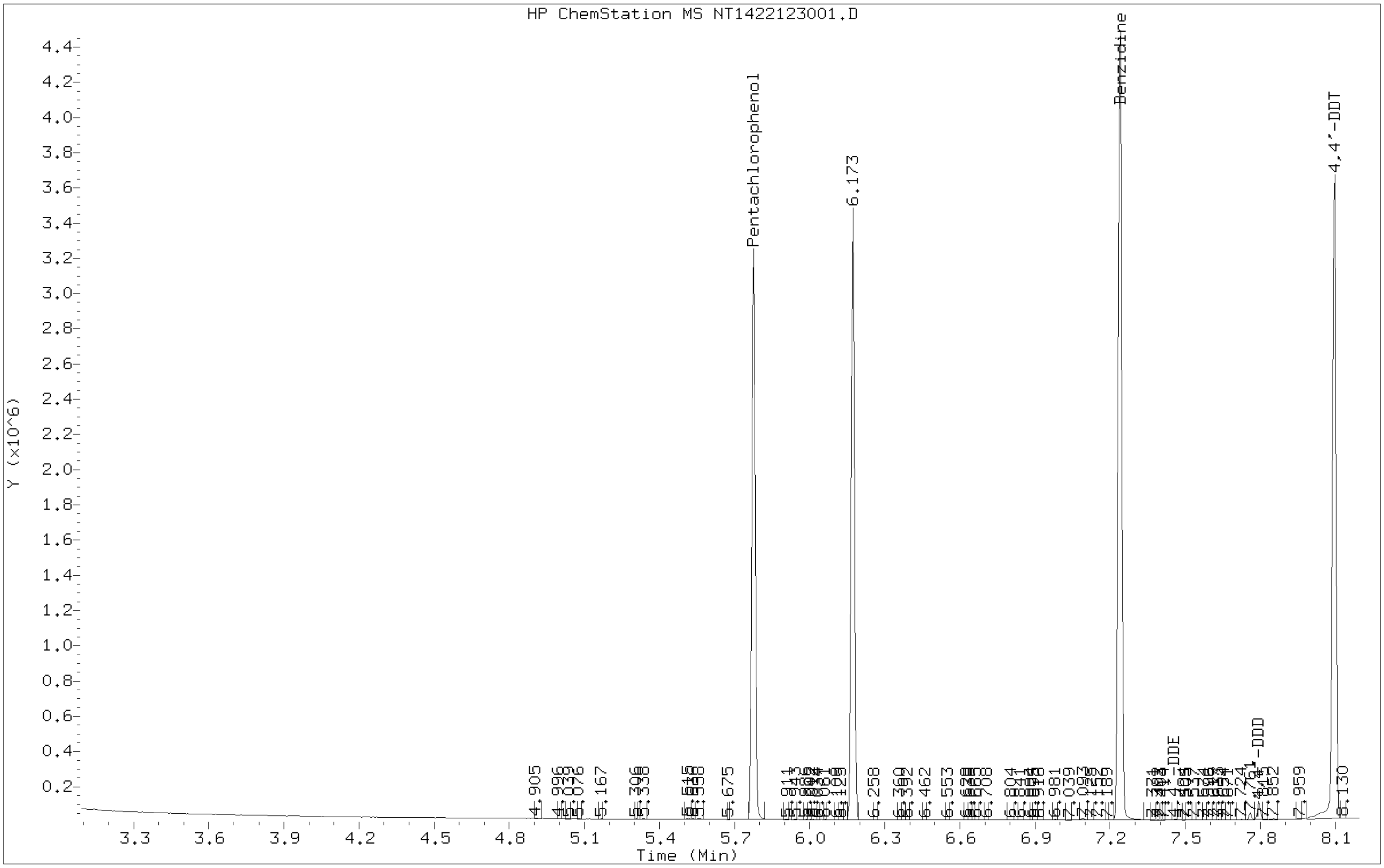
                                   ARI Labs, Inc.
                           RETENTION TIME SUMMARY REPORT

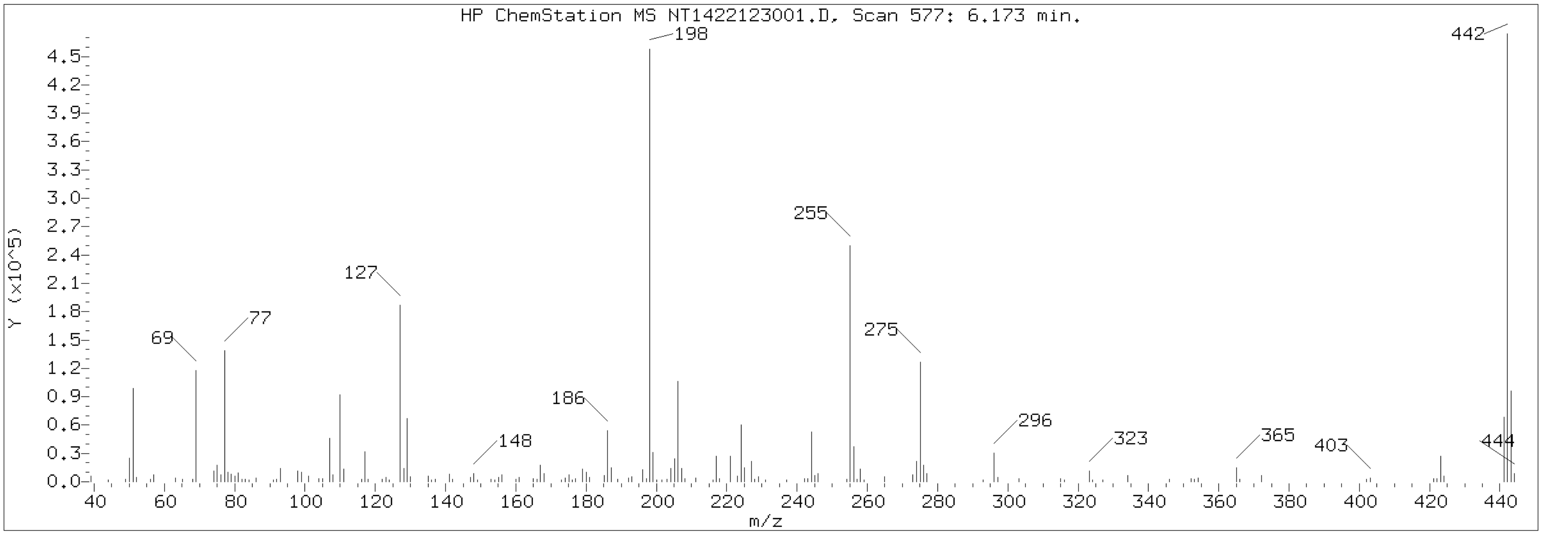
Method File: \\target\share\chem3\nt14.i\20221230.b\ABN.m
Batch File: \\target\share\chem3\nt14.i\20221230.b
Inst ID: nt14.i

 ____________________________________________________________________________________________________________________________________________________
| Compound                     |  RT01   |  RT02   |  RT03   |  RT04   |  RT05   |  RT06   |  RT07   |EXPEC RT|    RT WINDOW     | AVG RT  | STD DEV|
|------------------------------|---------|---------|---------|---------|---------|---------|---------|---------|------------------|---------|---------|
|*  77 Perylene-d12            |  26.102|  26.110|  26.102|  26.102|  26.102|  26.102|  26.102|  26.102|  23.102-29.102  |  26.103|   0.003|
|   78 Indeno(1,2,3-cd)pyrene|  28.869|  28.893|  28.854|  28.870|  28.854|  28.854|  28.854|  28.869|  25.869-31.869  |  28.864|   0.015|
|   79 Dibenzo(a,h)anthracene|  28.877|  28.908|  28.862|  28.885|  28.862|  28.862|  28.862|  28.877|  25.877-31.877  |  28.874|   0.018|
|                              |---------|---------|---------|---------|---------|---------|---------|---------|------------------|---------|---------|
|   80 Benzo(g,h,i)perylene    |  29.685|  29.716|  29.662|  29.693|  29.662|  29.670|  29.662|  29.685|  26.685-32.685  |  29.678|   0.021|
|$  85 p-Cresol-d4             |   +++++|   +++++|   +++++|   +++++|   +++++|   +++++|   +++++|  51.633|  48.633-54.633  |   +++++|   +++++|
|$  86 Anthracene-d10          |   +++++|   +++++|   +++++|   +++++|   +++++|   +++++|   +++++|  63.533|  60.533-66.533  |   +++++|   +++++|
|$  87 Fluoranthene-d10        |   +++++|   +++++|   +++++|   +++++|   +++++|   +++++|   +++++|  60.273|  57.273-63.273  |   +++++|   +++++|
|$  88 Dibenz(a,h)anthracene-|   +++++|   +++++|   +++++|   +++++|   +++++|   +++++|   +++++|  78.600|  75.600-81.600  |   +++++|   +++++|
|$  89 Diphenyl-d10            |   +++++|   +++++|   +++++|   +++++|   +++++|   +++++|   +++++|  50.841|  47.841-53.841  |   +++++|   +++++|
|   90 N-Nitrosodimethylamine|   4.749|   4.765|   4.750|   4.757|   4.750|   4.750|   4.750|   4.749|   1.749-7.749   |   4.753|   0.006|
|                              |---------|---------|---------|---------|---------|---------|---------|---------|------------------|---------|---------|
|   91 Aniline                 |   8.635|   8.643|   8.627|   8.635|   8.627|   8.627|   8.627|   8.635|   5.635-11.635  |   8.632|   0.006|
|   92 1,2-Diphenylhydrazine  |   +++++|   +++++|   +++++|   +++++|   +++++|   +++++|   +++++|  56.160|  53.160-59.160  |   +++++|   +++++|
|   93 Benzidine               |  21.031|  21.031|  21.023|  21.023|  21.023|  21.023|  21.023|  21.031|  18.031-24.031  |  21.025|   0.004|
|$  95 D10-1-methylnaphthalen|   +++++|   +++++|   +++++|   +++++|   +++++|   +++++|   +++++|  52.075|  49.075-55.075  |   +++++|   +++++|
|   96 p-Cymene               |   +++++|   +++++|   +++++|   +++++|   +++++|   +++++|   +++++|  49.250|  46.250-52.250  |   +++++|   +++++|
|   97 Caffeine              |   +++++|   +++++|   +++++|   +++++|   +++++|   +++++|   +++++|  61.202|  58.202-64.202  |   +++++|   +++++|
|   98 Retene                 |   +++++|   +++++|   +++++|   +++++|   +++++|   +++++|   +++++|  18.787|  15.787-21.787  |   +++++|   +++++|
|                              |---------|---------|---------|---------|---------|---------|---------|---------|------------------|---------|---------|
|   99 Perylene               |   +++++|   +++++|   +++++|   +++++|   +++++|   +++++|   +++++|  24.361|  21.361-27.361  |   +++++|   +++++|
|  100 3-beta-Coprostanol     |   +++++|   +++++|   +++++|   +++++|   +++++|   +++++|   +++++|  25.411|  22.411-28.411  |   +++++|   +++++|
|  101 Cholesterol            |   +++++|   +++++|   +++++|   +++++|   +++++|   +++++|   +++++|  26.023|  23.023-29.023  |   +++++|   +++++|
|  102 beta-Sitosterol        |   +++++|   +++++|   +++++|   +++++|   +++++|   +++++|   +++++|  79.550|  76.550-82.550  |   +++++|   +++++|
|  103 Pyridine               |   4.780|   4.780|   4.819|   4.781|   4.804|   4.788|   4.796|   4.780|   1.780-7.780   |   4.793|   0.015|
|  188 2,6-Dichlorophenol     |   +++++|   +++++|   +++++|   +++++|   +++++|   +++++|   +++++|  11.874|   8.874-14.874  |   +++++|   +++++|
|  189 N-Nitrosomethylethylam|   +++++|   +++++|   +++++|   +++++|   +++++|   +++++|   +++++|   5.818|   2.818-8.818   |   +++++|   +++++|
|____________________________________________________________________________________________________________________________________________________|
```

DFTPP TAILING FACTOR AND BREAKDOWN GRAPHIC REPORT

Datafile Analyzed: /20221230.b/NT1422123001.D/NT1422123001.D
Method Used: \20221230.b\DFTPP8270E.m   Inst: nt14
Injection Date: 30-DEC-2022 07:53   Operator: VTS
Sample Info: SKL0355-TUN1 SKL0355-TUN1
Report Date: 12/31/2022 15:11





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Datafile Analyzed: /20221230.b/NT1422123001.D/NT1422123001.D
Method Used: \20221230.b\DFTPP8270E.m\sw846ddt.m  Inst: nt14
Injection Date: 30-DEC-2022 07:53      Operator: JZ
Sample Info:    SKL0355-TUN1
Report Date: 12/31/2022 15:11
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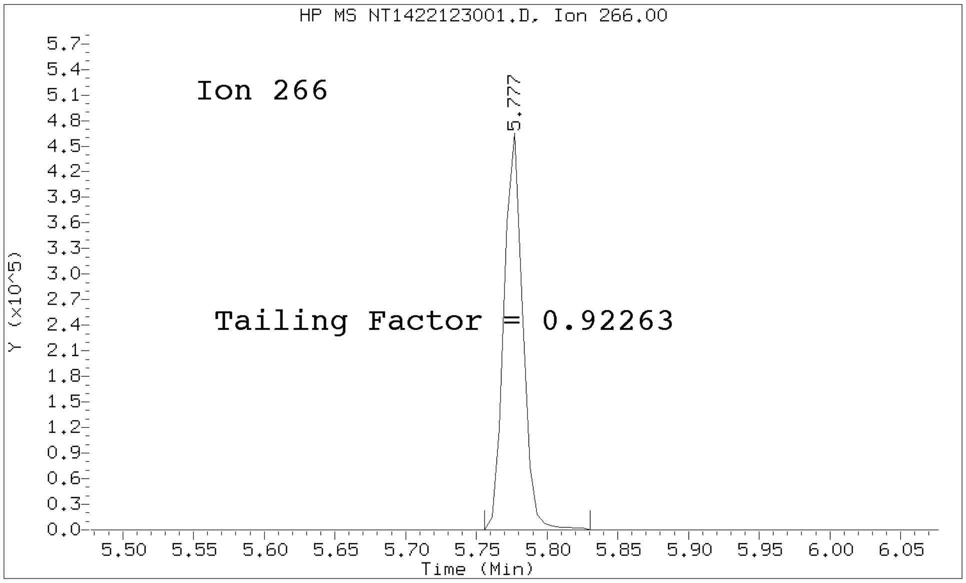
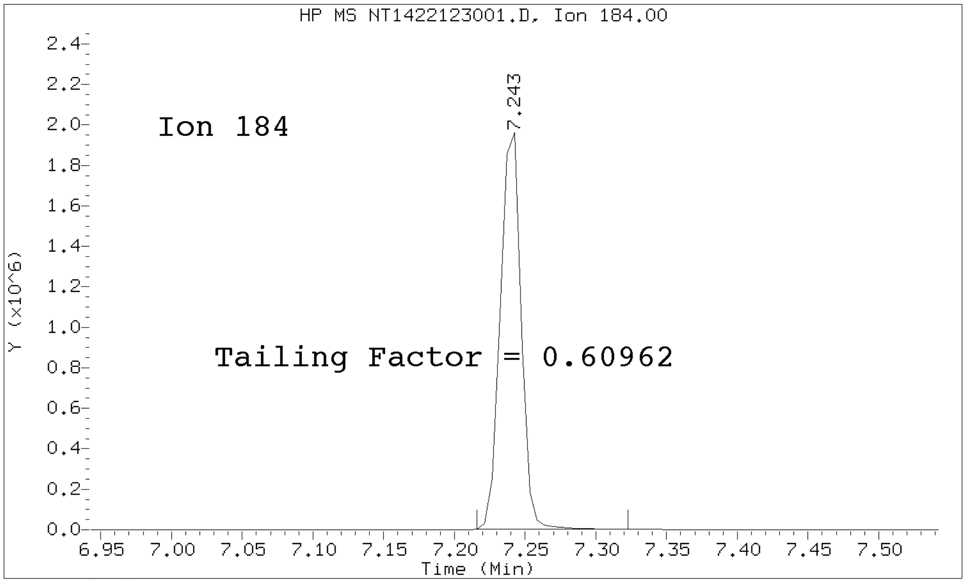


```
Pentachlorophenol
=================
 Exp. RT =   5.777
Found RT =   5.777

Tail Factor = 0.923   Maximum Allowed = 2.0
```



```
Benzidine
=========
 Exp. RT =   7.243
Found RT =   7.243

Tail Factor = 0.610  Maximum Allowed = 2.0
```

```
          8270 TAILING FACTOR/BREAKDOWN SUMMARY RESULTS


     TAILING  ANALYSIS SUMMARY
+============================================================+
|    Compound                  |Tail Factor |Max Allowed|Test|
+============================================================+
|Pentachlorophenol             |   0.9226328|      2.000|PASS|
|Benzidine                     |   0.6096154|      2.000|PASS|
+============================================================+


     DDT DEGRADATION BREAKDOWN ANALYSIS SUMMARY
+============================================================+
|    Compound   | Response     | %Breakdown |Max Allowed|Test|
+============================================================+
|  4,4-DDT      |       728571 |            |           |N/A |
|  4,4-DDE      |         1748 |        0.2 |      20.0 |PASS|
|  4,4-DDD      |        25116 |        3.3 |      20.0 |PASS|
| 4,4-DDD + DDE |        26864 |        3.6 |      20.0 |PASS|
+============================================================+

Tuning Sample, nt14.i/20221230.b/NT1422123001.D, *** PASSED ***
```

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
198	Base Peak, 100% relative abundance	100.00
68	Less than 2.00% of mass 69	0.42 (1.54)
69	Mass 69 relative abundance	27.33
70	Less than 2.00% of mass 69	0.00 (0.00)
197	Less than 2.00% of mass 198	0.70
199	5.00 - 9.00% of mass 198	6.88
365	1.00 - 100.00% of mass 198	3.30
441	Less than 150.00% of mass 443	14.74 (72.29)
442	Less than 200.00% of mass 198	103.05
443	15.00 - 24.00% of mass 442	20.40 (19.79)

```
            Data File: NT1422123001.D
             Spectrum: Avg. Scans 576-578 ( 6.17), Background Scan 570
  Location of Maximum: 442.00
     Number of points: 144

     m/z          Y       m/z          Y       m/z          Y       m/z          Y
+-------------------+-------------------+-------------------+-------------------+
|   39.00      5632 |  123.00      3801 |  193.00      4295 |  265.00      4182 |
|   50.00     21040 |  124.00       718 |  196.00     10174 |  273.00      6187 |
|   51.00     85256 |  127.00    152832 |  197.00      2556 |  274.00     16840 |
|   52.00      4405 |  128.00     11309 |  198.00    363008 |  275.00     97584 |
|   56.00      1965 |  129.00     55704 |  199.00     24968 |  276.00     13253 |
+-------------------+-------------------+-------------------+-------------------+
|   57.00      6391 |  130.00      4710 |  200.00       757 |  277.00      7167 |
|   63.00      3577 |  135.00      4859 |  201.00       781 |  293.00       783 |
|   65.00      1506 |  136.00       670 |  203.00       839 |  296.00     24208 |
|   68.00      1530 |  137.00      2423 |  204.00     11125 |  297.00      3535 |
|   69.00     99200 |  141.00      6775 |  205.00     19328 |  303.00      2963 |
+-------------------+-------------------+-------------------+-------------------+
|   74.00      9619 |  142.00      1723 |  206.00     83840 |  315.00      2888 |
|   75.00     15248 |  147.00      3621 |  207.00     11411 |  316.00       707 |
|   76.00      6040 |  148.00      7518 |  208.00      2567 |  323.00      8891 |
|   77.00    117336 |  149.00       668 |  211.00      3164 |  324.00       672 |
|   78.00      8472 |  153.00       914 |  216.00       783 |  327.00       775 |
+-------------------+-------------------+-------------------+-------------------+
|   79.00      6850 |  154.00       788 |  217.00     21288 |  334.00      5558 |
|   80.00      5401 |  155.00      4007 |  218.00      2851 |  346.00      1586 |
|   81.00      7971 |  156.00      6175 |  221.00     21128 |  352.00      2198 |
|   82.00      1516 |  160.00      1664 |  223.00      4917 |  353.00       813 |
|   83.00      1540 |  161.00      3469 |  224.00     47576 |  354.00      2334 |
+-------------------+-------------------+-------------------+-------------------+
|   86.00      3530 |  165.00      2796 |  225.00     11863 |  365.00     11977 |
|   91.00      1423 |  166.00      1689 |  227.00     17616 |  366.00       809 |
|   92.00      1511 |  167.00     14270 |  228.00      2547 |  372.00      5151 |
|   93.00     12327 |  168.00      7598 |  229.00      4129 |  402.00      1699 |
|   98.00      9312 |  173.00       740 |  231.00       741 |  403.00      2468 |
+-------------------+-------------------+-------------------+-------------------+
|   99.00      8157 |  174.00      3118 |  237.00       720 |  421.00      2199 |
|  101.00      4874 |  175.00      5843 |  242.00      2646 |  422.00      2004 |
|  104.00      2893 |  176.00       710 |  243.00      2898 |  423.00     20352 |
|  105.00      2773 |  177.00      2663 |  244.00     41256 |  424.00      4730 |
|  107.00     38432 |  179.00     11112 |  245.00      5346 |  441.00     53520 |
+-------------------+-------------------+-------------------+-------------------+
|  108.00      6152 |  180.00      8200 |  246.00      6651 |  442.00    374080 |
|  110.00     75432 |  181.00      3730 |  254.00       833 |  443.00     74040 |
|  111.00     11047 |  185.00      5465 |  255.00    195520 |  444.00      7022 |
|  116.00      1701 |  186.00     43392 |  256.00     29104 |                   |
|  117.00     26736 |  187.00     12254 |  257.00      2342 |                   |
+-------------------+-------------------+-------------------+-------------------+
|  118.00      1522 |  189.00      1759 |  258.00     10581 |                   |
|  122.00      2480 |  192.00      3535 |  259.00       690 |                   |
+-------------------+-------------------+-------------------+-------------------+
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Data File: \\target\share\chem3\nt14.i\20221230.b\NT1422123002.D

Date : 30-DEC-2022 08:06

Client ID:

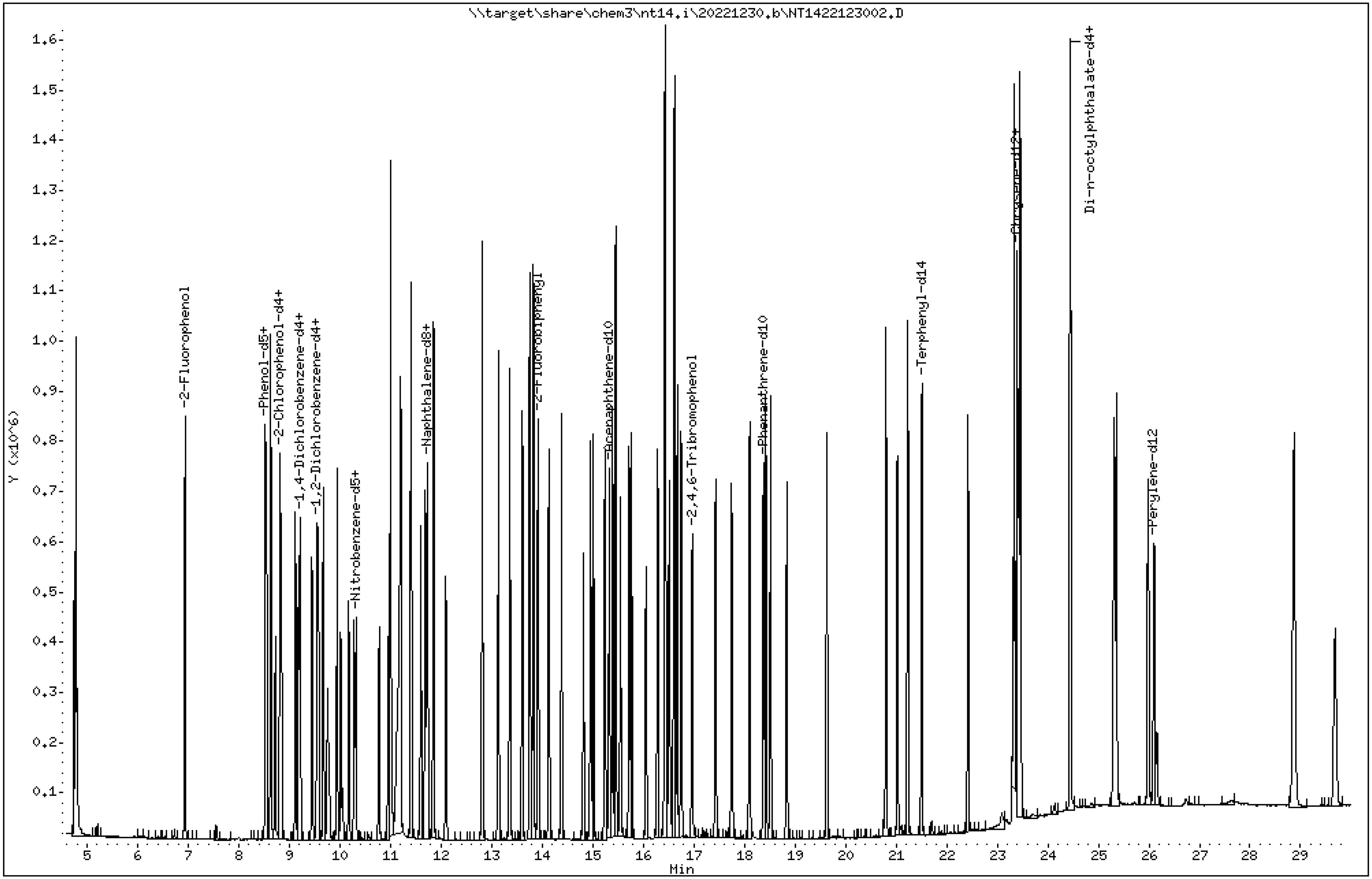
Instrument: nt14.i

Sample Info: SKL0355-CAL5

Operator: VTS

Column phase: ZB-5msi

Column diameter: 0.25



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                              ARI Labs, Inc.

                     Semivolatile Report SW846 Method 8270D
Data file : \\target\share\chem3\nt14.i\20221230.b\NT1422123002.D
Lab Smp Id: SKL0355-CAL5
Inj Date  : 30-DEC-2022 08:06            MS Autotune Date: 17-MAY-2011 01:22
Operator  : VTS                          Inst ID: nt14.i
Smp Info  : SKL0355-CAL5
Misc Info :
Comment   : 1ul Injection
Method    : \\target\share\chem3\nt14.i\20221230.b\ABN.m
Meth Date : 04-Jan-2023 08:09 van        Quant Type: ISTD
Cal Date  : 30-DEC-2022 11:07            Cal File: NT1422123007.D
Als bottle: 2                            Calibration Sample, Level: 5
Dil Factor: 1.00000
Integrator: HP RTE                       Compound Sublist: ICAL.sub
Target Version:  4.14
Processing Host: VANS-201906


                                                                              AMOUNTS
                                   QUANT SIG                                 CAL-AMT    ON-COL
Compounds                            MASS         RT   EXP RT   REL RT  RESPONSE   (ug/mL)    (ug/mL)
==========================           ====       ==== ======== ======== ========   =======    =======
$   1 2-Fluorophenol                  112      6.934    6.934 (0.755)    351803   7.50000      7.272
$   2 Phenol-d5                        99      8.526    8.526 (0.928)    445493   7.50000      7.451
    3 Phenol                           94      8.549    8.549 (0.931)    320287   5.00000      4.714
$   5 2-Chlorophenol-d4               132      8.820    8.820 (0.960)    366986   7.50000      7.308
    4 Bis(2-Chloroethyl)ether          93      8.719    8.719 (0.949)    213068   5.00000      4.553
    6 2-Chlorophenol                  128      8.843    8.843 (0.963)    260619   5.00000      4.726
    7 1,3-Dichlorobenzene             146      9.121    9.121 (0.993)    267651   5.00000      4.577
*   8 1,4-Dichlorobenzene-d4          152      9.183    9.183 (1.000)    151013   4.00000
    9 1,4-Dichlorobenzene             146      9.214    9.214 (1.003)    253252   5.00000      4.571
$  10 1,2-Dichlorobenzene-d4          152      9.548    9.548 (1.040)    160386   5.00000      4.673
   12 1,2-Dichlorobenzene             146      9.571    9.571 (1.042)    250859   5.00000      4.617
   11 Benzyl alcohol                  108      9.447    9.447 (1.029)    153862   5.00000      5.087
   14 2,2'-oxybis(1-Chloropropane)    121      9.758    9.758 (1.063)     74627   5.00000      4.738(M)
   13 2-Methylphenol                  108      9.672    9.672 (1.053)    237608   5.00000      4.813
   17 Hexachloroethane                117     10.177   10.177 (1.108)     95799   5.00000      4.702
   16 N-Nitroso-di-n-propylamine       70     10.014   10.014 (1.090)    147756   5.00000      4.913
   15 4-Methylphenol                  108      9.944    9.944 (1.083)    255052   5.00000      4.898
$  18 Nitrobenzene-d5                  82     10.285   10.285 (0.880)    230684   5.00000      4.935
   19 Nitrobenzene                     77     10.316   10.316 (0.883)    221275   5.00000      4.767
   20 Isophorone                       82     10.774   10.774 (0.922)    300513   5.00000      5.079
   21 2-Nitrophenol                   139     10.953   10.953 (0.937)    151231   5.00000      5.100
   22 2,4-Dimethylphenol              107     10.999   10.999 (0.941)    456971   10.0000      9.432
   23 Bis(2-Chloroethoxy)methane       93     11.201   11.201 (0.958)    211797   5.00000      4.602
   24 Benzoic acid                    105     11.201   11.201 (0.958)    622705   20.0000      20.16
   25 2,4-Dichlorophenol              162     11.410   11.410 (0.976)    392225   10.0000      9.604
   26 1,2,4-Trichlorobenzene          180     11.604   11.604 (0.993)    199770   5.00000      4.524
*  27 Naphthalene-d8                  136     11.688   11.688 (1.000)    553510   4.00000
   28 Naphthalene                     128     11.735   11.735 (1.004)    628260   5.00000      4.612
   29 4-Chloroaniline                 127     11.858   11.858 (1.015)    552775   10.0000      9.840
   30 Hexachlorobutadiene             225     12.098   12.098 (1.035)    102421   5.00000      4.675
   31 4-Chloro-3-methylphenol         107     12.818   12.818 (1.097)    393115   10.0000      10.20
   32 2-Methylnaphthalene             142     13.135   13.135 (1.124)    472882   5.00000      4.733
   33 Hexachlorocyclopentadiene       237     13.607   13.607 (0.888)    230983   10.0000      10.01
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Data File: \\target\share\chem3\nt14.i\20221230.b\NT1422123002.D Page 2
Report Date: 04-Jan-2023 08:21


                                                                                              AMOUNTS
                                      QUANT SIG                                           CAL-AMT    ON-COL
Compounds                               MASS         RT    EXP RT   REL RT   RESPONSE     (ug/mL)    (ug/mL)
==========================              ====       ==== ======== ======== ========     =======    =======
   34 2,4,6-Trichlorophenol              196      13.754  13.754 (0.897)     264056     10.0000      10.36
   35 2,4,5-Trichlorophenol              196      13.824  13.824 (0.902)     302784     10.0000      10.29
$  36 2-Fluorobiphenyl                   172      13.916  13.916 (0.908)     476320     5.00000      4.639
   37 2-Chloronaphthalene                162      14.133  14.133 (0.922)     400051     5.00000      4.580
   38 2-Nitroaniline                      65      14.389  14.389 (0.939)     234280     10.0000      10.20
   39 Dimethylphthalate                  163      14.822  14.822 (0.967)     408025     5.00000      4.737
   40 Acenaphthylene                     152      15.008  15.008 (0.979)     624847     5.00000      4.691
   41 2,6-Dinitrotoluene                 165      14.954  14.954 (0.976)     194171     10.0000      9.989
*  42 Acenaphthene-d10                   164      15.325  15.325 (1.000)     305411     4.00000
   43 3-Nitroaniline                     138      15.240  15.240 (0.994)     235735     10.0000      9.978
   44 Acenaphthene                       153      15.394  15.394 (1.005)     375245     5.00000      4.542
   45 2,4-Dinitrophenol                  184      15.456  15.456 (1.009)     324987     20.0000      18.84
   46 Dibenzofuran                       168      15.719  15.719 (1.026)     570695     5.00000      4.606
   47 4-Nitrophenol                      109      15.549  15.549 (1.015)     115297     10.0000      9.968
   48 2,4-Dinitrotoluene                 165      15.765  15.765 (1.029)     268356     10.0000      10.06
   50 Diethylphthalate                   149      16.283  16.283 (1.063)     583945     5.00000      4.988
   49 Fluorene                           166      16.438  16.438 (1.073)     583736     5.00000      4.429
   51 4-Chlorophenyl-phenylether         204      16.423  16.423 (1.072)     306309     5.00000      4.747
   52 4-Nitroaniline                     138      16.515  16.515 (1.078)     284222     10.0000      9.771
   53 4,6-Dinitro-2-methylphenol         198      16.615  16.615 (0.904)     421202     20.0000      19.53
   54 N-Nitrosodiphenylamine             169      16.669  16.669 (0.907)     382858     5.00000      4.538
$  55 2,4,6-Tribromophenol               330      16.970  16.970 (1.107)     110315     7.50000      7.408
   56 4-Bromophenyl-phenylether          248      17.433  17.433 (0.949)     148860     5.00000      4.659
   57 Hexachlorobenzene                  284      17.749  17.749 (0.966)     158613     5.00000      4.524
   58 Pentachlorophenol                  266      18.106  18.106 (0.985)     157801     10.0000      9.877
*  59 Phenanthrene-d10                   188      18.376  18.376 (1.000)     491708     4.00000
   60 Phenanthrene                       178      18.423  18.423 (1.003)     581412     5.00000      4.535
   61 Anthracene                         178      18.516  18.516 (1.008)     593247     5.00000      4.847
   62 Carbazole                          167      18.841  18.841 (1.025)     541939     5.00000      4.580
   63 Di-n-butylphthalate                149      19.630  19.630 (1.068)     680520     5.00000      4.895
   64 Fluoranthene                       202      20.806  20.806 (0.889)     665741     5.00000      4.868
   65 Pyrene                             202      21.231  21.231 (0.907)     689116     5.00000      4.792
$  66 Terphenyl-d14                      244      21.510  21.510 (0.919)     488441     5.00000      4.791
   67 Butylbenzylphthalate               149      22.423  22.423 (0.958)     283059     5.00000      5.125
   68 Benzo(a)anthracene                 228      23.384  23.384 (0.999)     617509     5.00000      4.799
*  69 Chrysene-d12                       240      23.415  23.415 (1.000)     424740     4.00000
   70 3,3'-Dichlorobenzidine             252      23.329  23.329 (0.996)     489648     15.0000      12.43
   71 Chrysene                           228      23.461  23.461 (1.002)     568172     5.00000      4.675
   72 bis(2-Ethylhexyl)phthalate         149      23.446  23.446 (0.959)     393425     5.00000      5.172
* 134 Di-n-octylphthalate-d4             153      24.437  24.437 (1.000)     684951     4.00000
   73 Di-n-octylphthalate                149      24.452  24.452 (1.001)     732863     5.00000      4.457
   74 Benzo(b)fluoranthene               252      25.311  25.311 (0.970)     620349     5.00000      4.995
   75 Benzo(k)fluoranthene               252      25.358  25.358 (0.972)     589803     5.00000      4.666
   76 Benzo(a)pyrene                     252      25.985  25.985 (0.996)     510208     5.00000      4.942
*  77 Perylene-d12                       264      26.101  26.101 (1.000)     395150     4.00000
   78 Indeno(1,2,3-cd)pyrene             276      28.869  28.869 (1.106)     570329     5.00000      4.860
   79 Dibenzo(a,h)anthracene             278      28.876  28.876 (1.106)     475587     5.00000      4.769
   80 Benzo(g,h,i)perylene               276      29.684  29.684 (1.137)     463834     5.00000      4.718(M)
   90 N-Nitrosodimethylamine              74       4.749   4.749 (0.517)     321667     10.0000      9.654
   91 Aniline                             93       8.634   8.634 (0.940)     624940     10.0000      9.447
   93 Benzidine                          184      21.030  21.030 (0.898)     482728     10.0000      8.933
  103 Pyridine                            79       4.780   4.780 (0.521)     500593     5.00000      4.728
  105 1-methylnaphthalene                142      13.359  13.359 (1.143)     457429     5.00000      4.765
  111 Azobenzene (1,2-DP-Hydrazine)       77      16.746  16.746 (1.093)     538050     5.00000      4.744
```

```
                                                                                             AMOUNTS
                                     QUANT SIG                                           CAL-AMT    ON-COL
Compounds                              MASS           RT   EXP RT   REL RT  RESPONSE     (ug/mL)    (ug/mL)
==========================             ====         ==== ======== ======== ========     =======    =======
  187 Total Benzofluoranthenes          252       25.358  25.358 (0.972)   1153692     10.0000      9.609
  120 2,3,4,6-Tetrachlorophenol         232       16.051  16.051 (1.047)    110018     5.00000      4.910
```

QC Flag Legend

M - Compound response manually integrated.

Data File: \\target\share\chem3\nt14.i\20221230.b\NT1422123002.D Page 1
Report Date: 04-Jan-2023 08:21

ARI Labs, Inc.

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: nt14.i
Lab File ID: NT1422123002.D
Lab Smp Id: SKL0355-CAL5
Analysis Type: SV
Quant Type: ISTD
Operator: VTS
Method File: \\target\share\chem3\nt14.i\20221230.b\ABN.m
Misc Info:

Calibration Date: 30-DEC-2022
Calibration Time: 08:06
Level:
Sample Type:

Test Mode:
Use Last Continuing Calibrator.

		AREA LIMIT			
COMPOUND	STANDARD	LOWER	UPPER	SAMPLE	%DIFF
8 1,4-Dichlorobenze	151013	75507	302026	151013	0.00
27 Naphthalene-d8	553510	276755	1107020	553510	0.00
42 Acenaphthene-d10	305411	152706	610822	305411	0.00
59 Phenanthrene-d10	491708	245854	983416	491708	0.00
69 Chrysene-d12	424740	212370	849480	424740	0.00
134 Di-n-octylphthala	684951	342476	1369902	684951	0.00
77 Perylene-d12	395150	197575	790300	395150	0.00

		RT LIMIT			
COMPOUND	STANDARD	LOWER	UPPER	SAMPLE	%DIFF
8 1,4-Dichlorobenze	9.18	8.68	9.68	9.18	0.00
27 Naphthalene-d8	11.69	11.19	12.19	11.69	0.00
42 Acenaphthene-d10	15.33	14.83	15.83	15.33	0.00
59 Phenanthrene-d10	18.38	17.88	18.88	18.38	0.00
69 Chrysene-d12	23.42	22.92	23.92	23.42	0.00
134 Di-n-octylphthala	24.44	23.94	24.94	24.44	0.00
77 Perylene-d12	26.10	25.60	26.60	26.10	0.00

AREA UPPER LIMIT = +100% of internal standard area.
AREA LOWER LIMIT = - 50% of internal standard area.
RT UPPER LIMIT = + 0.50 minutes of internal standard RT.
RT LOWER LIMIT = - 0.50 minutes of internal standard RT.

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REVIEW SUMMARY FOR FILE - NT1422123002.D

Lab ID: SKL0355-CAL5
nt14.i,  20221230.b\ABN.m,    30-DEC-2022 08:06


     RT      CO-ELUTION COMPOUNDS
-----------------------------------------------------------------------------

            NO CO-ELUTIONS


Quant Method: ICAL



        RRT CHECK

   RRT    CCV RRT   DELTA    COMPOUND
 -------------------------------------

   NONE

  RRT check based on Ccal File: NT1422123002.D

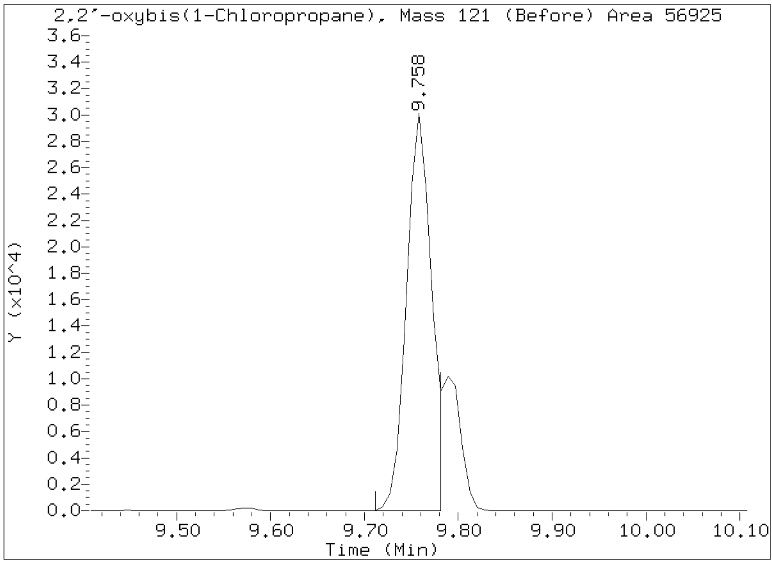

 On Column LOD for nt14.i, 20221230.b\ABN.m, ICAL.sub = 0.0000

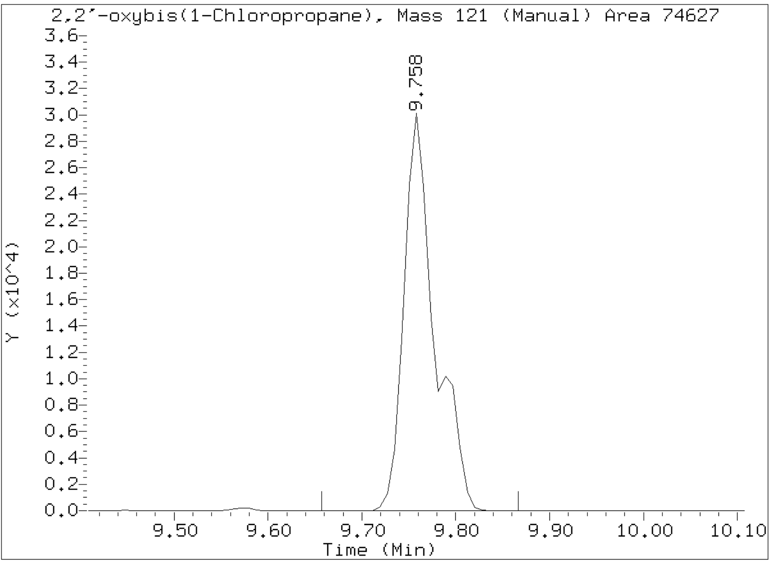


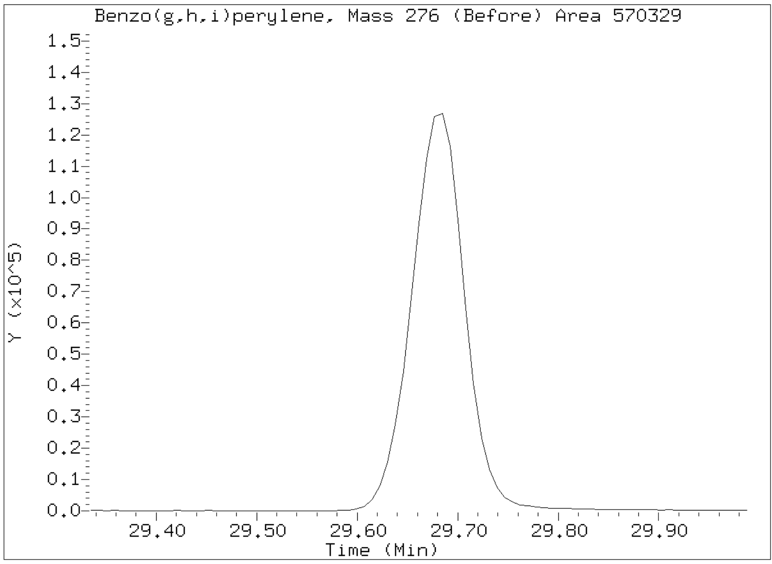
 * Only compounds listed in the work order have been verified by the analyst *
```

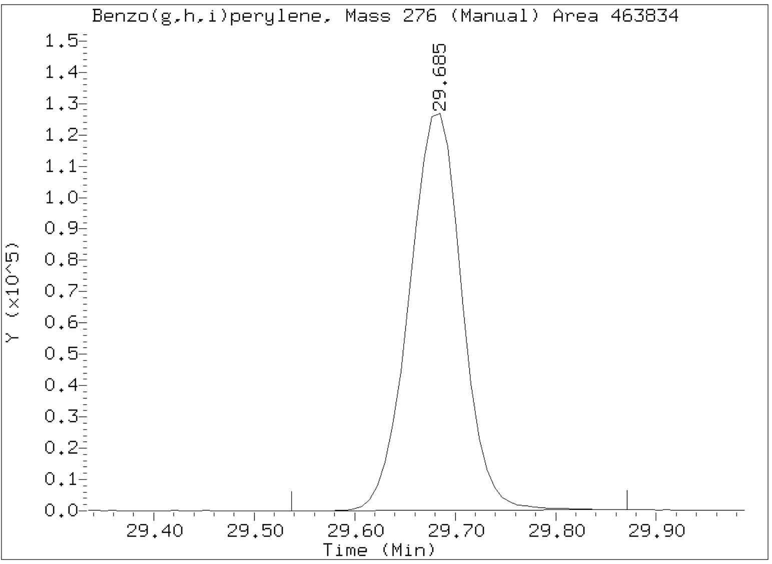
Quant Ion Manual Peak Adjustment Report

Datafile: //target/share/chem3/nt14.i/20221230.b/NT1422123002.D
Injection Date: 30-DEC-2022 08:06
Lab ID:SKL0355-CAL5 Client ID:
Report Date: 01/04/2023 08:21


2,2′-oxybis(1-Chloropropane), Mass 121 (Before) Area 56925


2,2′-oxybis(1-Chloropropane), Mass 121 (Manual) Area 74627


Benzo(g,h,i)perylene, Mass 276 (Before) Area 570329


Benzo(g,h,i)perylene, Mass 276 (Manual) Area 463834

Data File: \\target\share\chem3\nt14.i\20221230.b\NT1422123003.D

Date : 30-DEC-2022 08:42

Client ID:

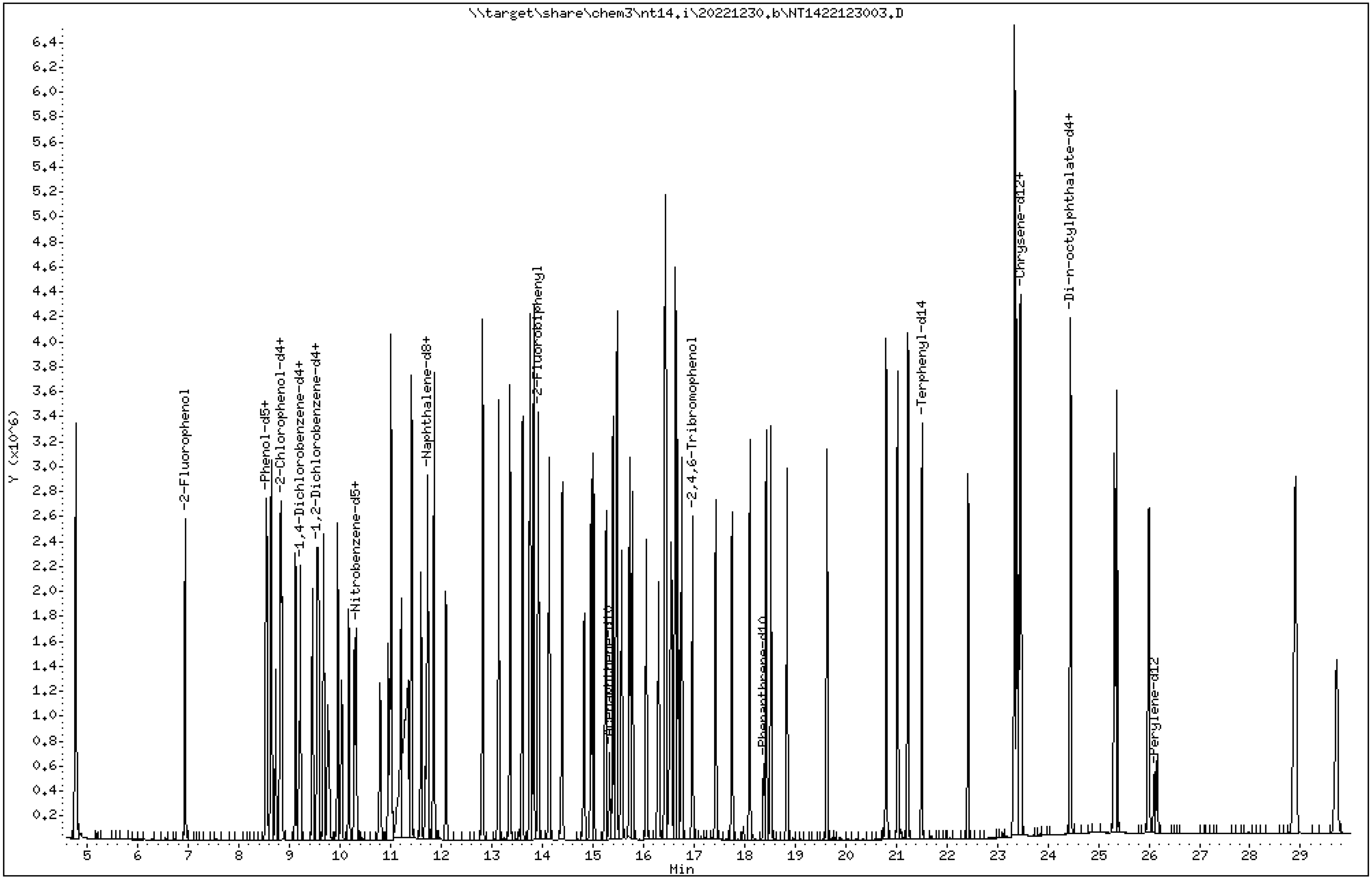
Instrument: nt14.i

Sample Info: SKL0355-CAL7

Operator: VTS

Column phase: ZB-5msi

Column diameter: 0.25



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                                  ARI Labs, Inc.

                       Semivolatile Report SW846 Method 8270D
Data file : \\target\share\chem3\nt14.i\20221230.b\NT1422123003.D
Lab Smp Id: SKL0355-CAL7
Inj Date  : 30-DEC-2022 08:42            MS Autotune Date: 17-MAY-2011 01:22
Operator  : VTS                          Inst ID: nt14.i
Smp Info  : SKL0355-CAL7
Misc Info :
Comment   : 1ul Injection
Method    : \\target\share\chem3\nt14.i\20221230.b\ABN.m
Meth Date : 04-Jan-2023 08:09 van        Quant Type: ISTD
Cal Date  : 30-DEC-2022 11:07            Cal File: NT1422123007.D
Als bottle: 3                            Calibration Sample, Level: 7
Dil Factor: 1.00000
Integrator: HP RTE                       Compound Sublist: ICAL.sub
Target Version:  4.14
Processing Host: VANS-201906


                                                                           AMOUNTS
                                    QUANT SIG                           CAL-AMT   ON-COL
Compounds                             MASS        RT   EXP RT   REL RT  RESPONSE   (ug/mL)   (ug/mL)
==========================            ====      ==== ======== ======== ========   =======   =======
$   1 2-Fluorophenol                   112      6.942   6.934 (0.756)   1314358   30.0000     28.63
$   2 Phenol-d5                         99      8.542   8.526 (0.930)   1744514   30.0000     30.75
    3 Phenol                            94      8.565   8.549 (0.933)   1204418   20.0000     18.68
$   5 2-Chlorophenol-d4                132      8.827   8.820 (0.961)   1444276   30.0000     30.31
    4 Bis(2-Chloroethyl)ether           93      8.727   8.719 (0.950)    834762   20.0000     18.80
    6 2-Chlorophenol                   128      8.851   8.843 (0.964)   1023863   20.0000     19.57
    7 1,3-Dichlorobenzene              146      9.121   9.121 (0.993)   1031468   20.0000     18.59
*   8 1,4-Dichlorobenzene-d4           152      9.183   9.183 (1.000)    143300   4.00000
    9 1,4-Dichlorobenzene              146      9.222   9.214 (1.004)    968926   20.0000     18.43
$  10 1,2-Dichlorobenzene-d4           152      9.556   9.548 (1.041)    641667   20.0000     19.70
   12 1,2-Dichlorobenzene              146      9.579   9.571 (1.043)    968627   20.0000     18.79
   11 Benzyl alcohol                   108      9.463   9.447 (1.030)    617861   20.0000     21.53
   14 2,2'-oxybis(1-Chloropropane)     121      9.758   9.758 (1.063)    293591   20.0000     19.64(M)
   13 2-Methylphenol                   108      9.680   9.672 (1.054)    916543   20.0000     19.57
   17 Hexachloroethane                 117     10.177  10.177 (1.108)    387085   20.0000     20.02
   16 N-Nitroso-di-n-propylamine        70     10.037  10.014 (1.093)    572628   20.0000     20.07
   15 4-Methylphenol                   108      9.960   9.944 (1.085)    975801   20.0000     19.75
$  18 Nitrobenzene-d5                   82     10.293  10.285 (0.880)    927822   20.0000     21.65
   19 Nitrobenzene                      77     10.324  10.316 (0.883)    871409   20.0000     20.47
   20 Isophorone                        82     10.798  10.774 (0.923)   1359858   20.0000     25.07
   21 2-Nitrophenol                    139     10.961  10.953 (0.937)    663566   20.0000     19.98
   22 2,4-Dimethylphenol               107     11.015  10.999 (0.942)   1634136   40.0000     36.78
   23 Bis(2-Chloroethoxy)methane        93     11.209  11.201 (0.958)    821530   20.0000     19.47
   24 Benzoic acid                     105     11.356  11.201 (0.971)   2775564   80.0000     79.85
   25 2,4-Dichlorophenol               162     11.418  11.410 (0.976)   1523761   40.0000     40.69
   26 1,2,4-Trichlorobenzene           180     11.611  11.604 (0.993)    776910   20.0000     19.19
*  27 Naphthalene-d8                   136     11.696  11.688 (1.000)    507556   4.00000
   28 Naphthalene                      128     11.735  11.735 (1.003)   2397760   20.0000     19.20
   29 4-Chloroaniline                  127     11.866  11.858 (1.015)   2088829   40.0000     40.55
   30 Hexachlorobutadiene              225     12.098  12.098 (1.034)    413256   20.0000     20.57
   31 4-Chloro-3-methylphenol          107     12.826  12.818 (1.097)   1530587   40.0000     43.31
   32 2-Methylnaphthalene              142     13.143  13.135 (1.124)   1905033   20.0000     20.79
   33 Hexachlorocyclopentadiene        237     13.615  13.607 (0.888)   1071819   40.0000     48.85
```

```
                                                                                             AMOUNTS
                                      QUANT SIG                                          CAL-AMT    ON-COL
Compounds                               MASS          RT   EXP RT   REL RT  RESPONSE     (ug/mL)    (ug/mL)
==========================             ====         ==== ======== ======== ========     =======    =======
   34 2,4,6-Trichlorophenol             196       13.762  13.754 (0.898)    1158685     40.0000      47.82
   35 2,4,5-Trichlorophenol             196       13.839  13.824 (0.903)    1269438     40.0000      45.40
$  36 2-Fluorobiphenyl                  172       13.924  13.916 (0.908)    1948462     20.0000      19.96
   37 2-Chloronaphthalene               162       14.141  14.133 (0.922)    1632344     20.0000      19.66
   38 2-Nitroaniline                     65       14.404  14.389 (0.939)     934765     40.0000      42.82
   39 Dimethylphthalate                 163       14.838  14.822 (0.968)    1600487     20.0000      19.55
   40 Acenaphthylene                    152       15.016  15.008 (0.979)    2471514     20.0000      19.52
   41 2,6-Dinitrotoluene                165       14.969  14.954 (0.976)     815829     40.0000      44.16
*  42 Acenaphthene-d10                  164       15.333  15.325 (1.000)     290278     4.00000
   43 3-Nitroaniline                    138       15.263  15.240 (0.995)    1013527     40.0000      45.14
   44 Acenaphthene                      153       15.402  15.394 (1.005)    1547905     20.0000      19.71
   45 2,4-Dinitrophenol                 184       15.480  15.456 (1.010)    1614322     80.0000      79.72
   46 Dibenzofuran                      168       15.735  15.719 (1.026)    2343486     20.0000      19.90
   47 4-Nitrophenol                     109       15.572  15.549 (1.016)     476700     40.0000      39.93
   48 2,4-Dinitrotoluene                165       15.789  15.765 (1.030)    1139712     40.0000      44.96
   50 Diethylphthalate                  149       16.307  16.283 (1.064)    2390187     20.0000      21.48
   49 Fluorene                          166       16.446  16.438 (1.073)    2528345     20.0000      20.18
   51 4-Chlorophenyl-phenylether        204       16.430  16.423 (1.072)    1222294     20.0000      19.93
   52 4-Nitroaniline                    138       16.554  16.515 (1.080)    1201405     40.0000      39.85
   53 4,6-Dinitro-2-methylphenol        198       16.639  16.615 (0.905)    1812002     80.0000      79.86
   54 N-Nitrosodiphenylamine            169       16.685  16.669 (0.908)    1494034     20.0000      20.57
$  55 2,4,6-Tribromophenol              330       16.978  16.970 (1.107)     504769     30.0000      29.96
   56 4-Bromophenyl-phenylether         248       17.433  17.433 (0.949)     617661     20.0000      22.46
   57 Hexachlorobenzene                 284       17.757  17.749 (0.966)     615292     20.0000      20.39
   58 Pentachlorophenol                 266       18.114  18.106 (0.986)     704713     40.0000      39.92
*  59 Phenanthrene-d10                  188       18.377  18.376 (1.000)     423275     4.00000
   60 Phenanthrene                      178       18.431  18.423 (1.003)    2240686     20.0000      20.30
   61 Anthracene                        178       18.524  18.516 (1.008)    2306983     20.0000      21.90
   62 Carbazole                         167       18.849  18.841 (1.026)    2303484     20.0000      22.62
   63 Di-n-butylphthalate               149       19.630  19.630 (1.068)    2864226     20.0000      19.97
   64 Fluoranthene                      202       20.806  20.806 (0.888)    2738659     20.0000      21.27
   65 Pyrene                            202       21.232  21.231 (0.906)    2836592     20.0000      20.95
$  66 Terphenyl-d14                     244       21.510  21.510 (0.918)    1863099     20.0000      19.41
   67 Butylbenzylphthalate              149       22.424  22.423 (0.957)    1105661     20.0000      19.98
   68 Benzo(a)anthracene                228       23.392  23.384 (0.999)    2482996     20.0000      20.50
*  69 Chrysene-d12                      240       23.423  23.415 (1.000)     399899     4.00000
   70 3,3'-Dichlorobenzidine            252       23.345  23.329 (0.997)    2725590     60.0000      73.50
   71 Chrysene                          228       23.469  23.461 (1.002)    2299977     20.0000      20.10
   72 bis(2-Ethylhexyl)phthalate        149       23.446  23.446 (0.959)    1659616     20.0000      21.74
* 134 Di-n-octylphthalate-d4            153       24.444  24.437 (1.000)     687276     4.00000
   73 Di-n-octylphthalate               149       24.452  24.452 (1.000)    2971733     20.0000      18.01
   74 Benzo(b)fluoranthene              252       25.319  25.311 (0.970)    2547081     20.0000      22.53
   75 Benzo(k)fluoranthene              252       25.366  25.358 (0.972)    2532408     20.0000      22.01
   76 Benzo(a)pyrene                    252       26.001  25.985 (0.996)    2177478     20.0000      23.17
*  77 Perylene-d12                      264       26.109  26.101 (1.000)     359748     4.00000
   78 Indeno(1,2,3-cd)pyrene            276       28.892  28.869 (1.107)    2410735     20.0000      22.56
   79 Dibenzo(a,h)anthracene            278       28.908  28.876 (1.107)    2057986     20.0000      22.67
   80 Benzo(g,h,i)perylene              276       29.715  29.684 (1.138)    1965002     20.0000      21.95
   90 N-Nitrosodimethylamine             74        4.764   4.749 (0.519)    1050073     40.0000      33.21
   91 Aniline                            93        8.642   8.634 (0.941)    2373007     40.0000      37.80
   93 Benzidine                         184       21.030  21.030 (0.898)    2468777     40.0000      39.84
  103 Pyridine                           79        4.780   4.780 (0.521)    1589226     20.0000      15.82
  105 1-methylnaphthalene               142       13.367  13.359 (1.143)    1846760     20.0000      20.98
  111 Azobenzene (1,2-DP-Hydrazine)      77       16.762  16.746 (1.093)    1983985     20.0000      18.40
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Data File: \\target\share\chem3\nt14.i\20221230.b\NT1422123003.D Page 3
Report Date: 04-Jan-2023 08:09

```
                                                                                    AMOUNTS
                                         QUANT SIG                              CAL-AMT    ON-COL
Compounds                                  MASS          RT    EXP RT   REL RT  RESPONSE    (ug/mL)    (ug/mL)
===========================                ====        ==== ======== ======== ========    =======    =======
  187 Total Benzofluoranthenes              252       25.366  25.358 (0.972)   4865104    40.0000      44.51
  120 2,3,4,6-Tetrachlorophenol             232       16.059  16.051 (1.047)    511264    20.0000      19.96
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QC Flag Legend

M - Compound response manually integrated.

Data File: \\target\share\chem3\nt14.i\20221230.b\NT1422123003.D Page 1
Report Date: 04-Jan-2023 08:09

ARI Labs, Inc.

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: nt14.i
Lab File ID: NT1422123003.D
Lab Smp Id: SKL0355-CAL7
Analysis Type: SV
Quant Type: ISTD
Operator: VTS
Method File: \\target\share\chem3\nt14.i\20221230.b\ABN.m
Misc Info:

Calibration Date: 30-DEC-2022
Calibration Time: 08:06
Level:
Sample Type:

Test Mode:
Use Last Continuing Calibrator.

COMPOUND	STANDARD	AREA LIMIT LOWER	AREA LIMIT UPPER	SAMPLE	%DIFF
8 1,4-Dichlorobenze	151013	75507	302026	143300	-5.11
27 Naphthalene-d8	553510	276755	1107020	507556	-8.30
42 Acenaphthene-d10	305411	152706	610822	290278	-4.95
59 Phenanthrene-d10	491708	245854	983416	423275	-13.92
69 Chrysene-d12	424740	212370	849480	399899	-5.85
134 Di-n-octylphthala	684951	342476	1369902	687276	0.34
77 Perylene-d12	395150	197575	790300	359748	-8.96

COMPOUND	STANDARD	RT LIMIT LOWER	RT LIMIT UPPER	SAMPLE	%DIFF
8 1,4-Dichlorobenze	9.18	8.68	9.68	9.18	0.00
27 Naphthalene-d8	11.69	11.19	12.19	11.70	0.07
42 Acenaphthene-d10	15.33	14.83	15.83	15.33	0.05
59 Phenanthrene-d10	18.38	17.88	18.88	18.38	0.00
69 Chrysene-d12	23.42	22.92	23.92	23.42	0.03
134 Di-n-octylphthala	24.44	23.94	24.94	24.44	0.03
77 Perylene-d12	26.10	25.60	26.60	26.11	0.03

AREA UPPER LIMIT = +100% of internal standard area.
AREA LOWER LIMIT = - 50% of internal standard area.
RT UPPER LIMIT = + 0.50 minutes of internal standard RT.
RT LOWER LIMIT = - 0.50 minutes of internal standard RT.

```
REVIEW SUMMARY FOR FILE - NT1422123003.D

Lab ID: SKL0355-CAL7
nt14.i,  20221230.b\ABN.m,    30-DEC-2022 08:42

     RT      CO-ELUTION COMPOUNDS
---------------------------------------------------------------------------

            NO CO-ELUTIONS


Quant Method: ICAL



        RRT CHECK

   RRT    CCV RRT   DELTA    COMPOUND
 -------------------------------------

  0.971    0.958    0.0126   Benzoic acid

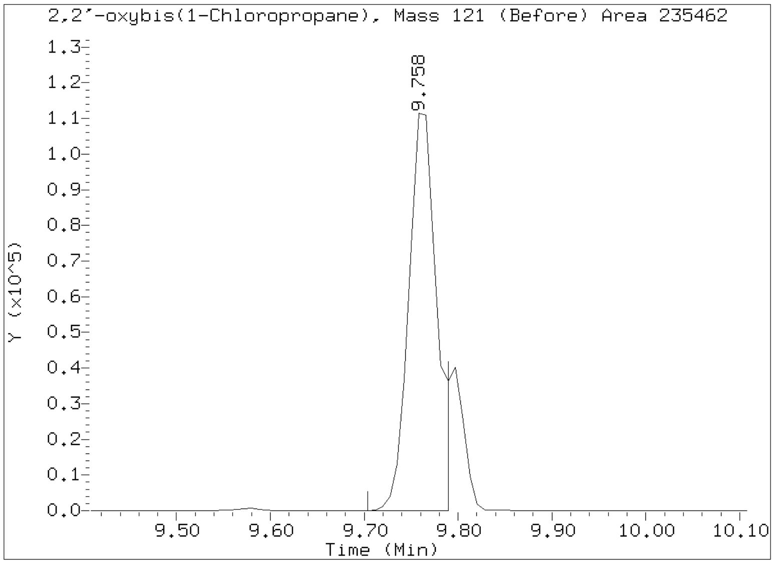
  RRT check based on Ccal File: NT1422123002.D

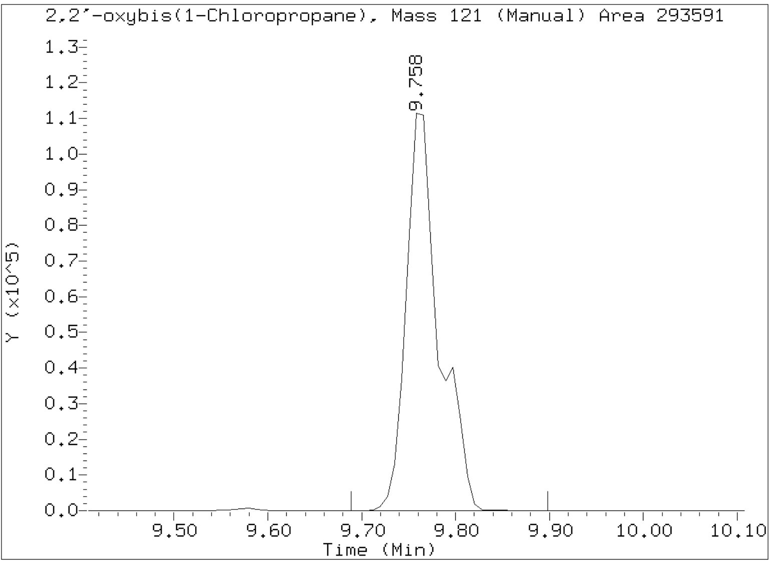

 On Column LOD for nt14.i, 20221230.b\ABN.m, ICAL.sub = 0.0000


 * Only compounds listed in the work order have been verified by the analyst *
```

Quant Ion Manual Peak Adjustment Report

Datafile: //target/share/chem3/nt14.i/20221230.b/NT1422123003.D
Injection Date: 30-DEC-2022 08:42
Lab ID:SKL0355-CAL7 Client ID:
Report Date: 01/04/2023 08:09





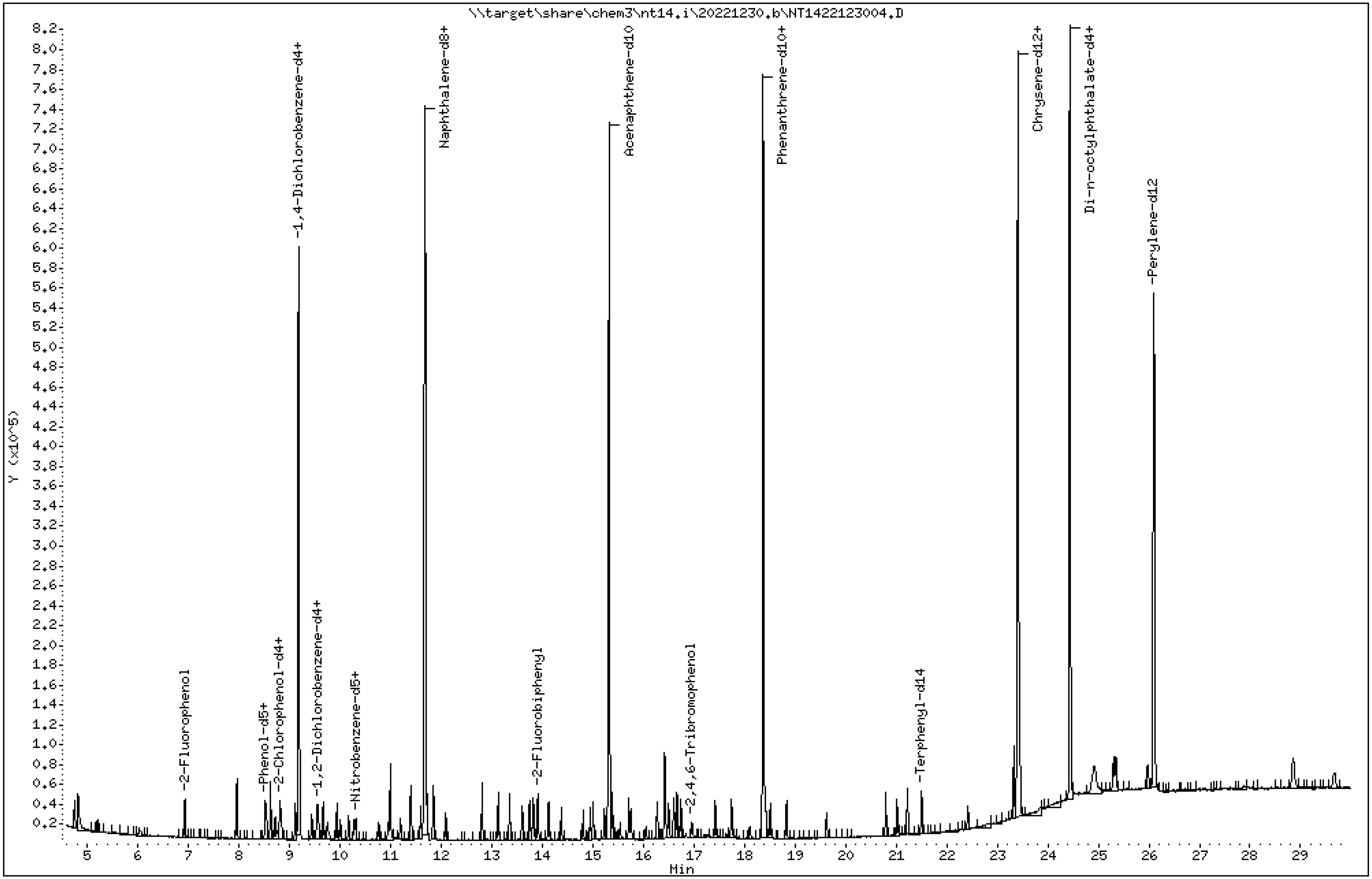
Data File: \\target\share\chem3\nt14.i\20221230.b\NT1422123004.D
Date : 30-DEC-2022 09:18
Client ID:
Sample Info: SKL0355-CAL1

Column phase: ZB-5msi

Page 1

Instrument: nt14.i

Operator: VTS
Column diameter: 0.25



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                              ARI Labs, Inc.

                    Semivolatile Report SW846 Method 8270D
Data file : \\target\share\chem3\nt14.i\20221230.b\NT1422123004.D
Lab Smp Id: SKL0355-CAL1
Inj Date  : 30-DEC-2022 09:18            MS Autotune Date: 17-MAY-2011 01:22
Operator  : VTS                          Inst ID: nt14.i
Smp Info  : SKL0355-CAL1
Misc Info :
Comment   : 1ul Injection
Method    : \\target\share\chem3\nt14.i\20221230.b\ABN.m
Meth Date : 04-Jan-2023 08:09 van        Quant Type: ISTD
Cal Date  : 30-DEC-2022 11:07            Cal File: NT1422123007.D
Als bottle: 4                            Calibration Sample, Level: 1
Dil Factor: 1.00000
Integrator: HP RTE                       Compound Sublist: ICAL.sub
Target Version:  4.14
Processing Host: VANS-201906


                                                                               AMOUNTS
                                QUANT SIG                                     CAL-AMT    ON-COL
Compounds                          MASS          RT   EXP RT   REL RT  RESPONSE   (ug/mL)    (ug/mL)
==========================         ====        ==== ======== ======== ========   =======    =======
$   1 2-Fluorophenol                112       6.935    6.934 (0.755)     17139   0.30000     0.3409
$   2 Phenol-d5                      99       8.519    8.526 (0.928)     19904   0.30000     0.3203
    3 Phenol                         94       8.542    8.549 (0.930)     17648   0.20000     0.2499
$   5 2-Chlorophenol-d4             132       8.812    8.820 (0.960)     17183   0.30000     0.3293
    4 Bis(2-Chloroethyl)ether        93       8.720    8.719 (0.949)     12124   0.20000     0.2493
    6 2-Chlorophenol                128       8.843    8.843 (0.963)     13841   0.20000     0.2415
    7 1,3-Dichlorobenzene           146       9.122    9.121 (0.993)     15130   0.20000     0.2489
*   8 1,4-Dichlorobenzene-d4        152       9.184    9.183 (1.000)    156948   4.00000
    9 1,4-Dichlorobenzene           146       9.215    9.214 (1.003)     14468   0.20000     0.2513
$  10 1,2-Dichlorobenzene-d4        152       9.548    9.548 (1.040)      8399   0.20000     0.2355
   12 1,2-Dichlorobenzene           146       9.572    9.571 (1.042)     13693   0.20000     0.2425
   11 Benzyl alcohol                108       9.448    9.447 (1.029)      6611   0.20000     0.2103
   14 2,2'-oxybis(1-Chloropropane)  121       9.758    9.758 (1.063)      4140   0.20000     0.2529(M)
   13 2-Methylphenol                108       9.673    9.672 (1.053)     12169   0.20000     0.2372
   17 Hexachloroethane              117      10.177   10.177 (1.108)      5046   0.20000     0.2383
   16 N-Nitroso-di-n-propylamine     70      10.014   10.014 (1.090)      6747   0.20000     0.2159
   15 4-Methylphenol                108       9.937    9.944 (1.082)     12584   0.20000     0.2325
$  18 Nitrobenzene-d5                82      10.278   10.285 (0.879)     10272   0.20000     0.2134
   19 Nitrobenzene                   77      10.317   10.316 (0.883)     11076   0.20000     0.2317
   20 Isophorone                     82      10.767   10.774 (0.921)     11888   0.20000     0.1951
   21 2-Nitrophenol                 139      10.953   10.953 (0.937)      6191   0.20000     0.2120
   22 2,4-Dimethylphenol            107      11.000   10.999 (0.941)     23851   0.40000     0.4780
   23 Bis(2-Chloroethoxy)methane     93      11.201   11.201 (0.958)     11499   0.20000     0.2426
   24 Benzoic acid                  105      11.100   11.201 (0.950)      3490   0.80000     0.1149(M)
   25 2,4-Dichlorophenol            162      11.403   11.410 (0.976)     18135   0.40000     0.4312
   26 1,2,4-Trichlorobenzene        180      11.604   11.604 (0.993)     11389   0.20000     0.2504
*  27 Naphthalene-d8                136      11.689   11.688 (1.000)    570074   4.00000
   28 Naphthalene                   128      11.727   11.735 (1.003)     34818   0.20000     0.2482
   29 4-Chloroaniline               127      11.851   11.858 (1.014)     26250   0.40000     0.4537
   30 Hexachlorobutadiene           225      12.098   12.098 (1.035)      5346   0.20000     0.2369
   31 4-Chloro-3-methylphenol       107      12.810   12.818 (1.096)     17455   0.40000     0.4398
   32 2-Methylnaphthalene           142      13.135   13.135 (1.124)     24381   0.20000     0.2369
   33 Hexachlorocyclopentadiene     237      13.607   13.607 (0.888)      8437   0.40000     0.3750
```

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Data File: \\target\share\chem3\nt14.i\20221230.b\NT1422123004.D Page 2
Report Date: 04-Jan-2023 08:10

                                                                                              AMOUNTS
                                      QUANT SIG                                          CAL-AMT     ON-COL
Compounds                               MASS            RT  EXP RT   REL RT  RESPONSE    (ug/mL)    (ug/mL)
==========================              ====          ==== ======== ======== ========    =======    =======
   34 2,4,6-Trichlorophenol              196        13.754  13.754 (0.897)       9231    0.40000     0.3716
   35 2,4,5-Trichlorophenol              196        13.824  13.824 (0.902)      11115    0.40000     0.3877
$  36 2-Fluorobiphenyl                   172        13.917  13.916 (0.908)      23675    0.20000     0.2366
   37 2-Chloronaphthalene                162        14.134  14.133 (0.922)      20648    0.20000     0.2426
   38 2-Nitroaniline                      65        14.381  14.389 (0.938)       8268    0.40000     0.3694
   39 Dimethylphthalate                  163        14.815  14.822 (0.967)      19273    0.20000     0.2296
   40 Acenaphthylene                     152        15.008  15.008 (0.979)      29849    0.20000     0.2300
   41 2,6-Dinitrotoluene                 165        14.954  14.954 (0.976)       7046    0.40000     0.3720
*  42 Acenaphthene-d10                   164        15.325  15.325 (1.000)     297614    4.00000
   43 3-Nitroaniline                     138        15.233  15.240 (0.994)       8294    0.40000     0.3603
   44 Acenaphthene                       153        15.387  15.394 (1.004)      19644    0.20000     0.2440
   45 2,4-Dinitrophenol                  184        15.441  15.456 (1.008)       3242    0.80000     0.2015
   46 Dibenzofuran                       168        15.712  15.719 (1.025)      30090    0.20000     0.2492
   47 4-Nitrophenol                      109        15.542  15.549 (1.014)       3296    0.40000     0.2991
   48 2,4-Dinitrotoluene                 165        15.758  15.765 (1.028)       8877    0.40000     0.3416
   50 Diethylphthalate                   149        16.276  16.283 (1.062)      22462    0.20000     0.1969
   49 Fluorene                           166        16.431  16.438 (1.072)      29453    0.20000     0.2293
   51 4-Chlorophenyl-phenylether         204        16.423  16.423 (1.072)      13955    0.20000     0.2219
   52 4-Nitroaniline                     138        16.500  16.515 (1.077)      10011    0.40000     0.3614
   53 4,6-Dinitro-2-methylphenol         198        16.600  16.615 (0.904)       9730    0.80000     0.4648
   54 N-Nitrosodiphenylamine             169        16.662  16.669 (0.907)      19476    0.20000     0.2277
$  55 2,4,6-Tribromophenol               330        16.970  16.970 (1.107)       3068    0.30000     0.2200
   56 4-Bromophenyl-phenylether          248        17.425  17.433 (0.949)       7149    0.20000     0.2207
   57 Hexachlorobenzene                  284        17.750  17.749 (0.966)       8640    0.20000     0.2431
   58 Pentachlorophenol                  266        18.106  18.106 (0.986)       3022    0.40000     0.1962
*  59 Phenanthrene-d10                   188        18.369  18.376 (1.000)     498496    4.00000
   60 Phenanthrene                       178        18.416  18.423 (1.003)      31261    0.20000     0.2405
   61 Anthracene                         178        18.508  18.516 (1.008)      26039    0.20000     0.2099
   62 Carbazole                          167        18.833  18.841 (1.025)      25451    0.20000     0.2122
   63 Di-n-butylphthalate                149        19.630  19.630 (1.069)      21657    0.20000     0.1600
   64 Fluoranthene                       202        20.798  20.806 (0.889)      28626    0.20000     0.2200
   65 Pyrene                             202        21.224  21.231 (0.907)      30310    0.20000     0.2215
$  66 Terphenyl-d14                      244        21.503  21.510 (0.919)      22483    0.20000     0.2317
   67 Butylbenzylphthalate               149        22.424  22.423 (0.958)       8026    0.20000     0.1555
   68 Benzo(a)anthracene                 228        23.384  23.384 (0.999)      27427    0.20000     0.2240
*  69 Chrysene-d12                       240        23.407  23.415 (1.000)     404183    4.00000
   70 3,3'-Dichlorobenzidine             252        23.330  23.329 (0.997)      24605    0.60000     0.6565
   71 Chrysene                           228        23.454  23.461 (1.002)      27201    0.20000     0.2352
   72 bis(2-Ethylhexyl)phthalate         149        23.446  23.446 (0.959)      10699    0.20000     0.1781
* 134 Di-n-octylphthalate-d4             153        24.437  24.437 (1.000)     540769    4.00000
   73 Di-n-octylphthalate                149        24.445  24.452 (1.000)      32545    0.20000     0.2507
   74 Benzo(b)fluoranthene               252        25.296  25.311 (0.969)      24096    0.20000     0.2063
   75 Benzo(k)fluoranthene               252        25.343  25.358 (0.971)      26968    0.20000     0.2268
   76 Benzo(a)pyrene                     252        25.978  25.985 (0.995)      19818    0.20000     0.2041
*  77 Perylene-d12                       264        26.102  26.101 (1.000)     371728    4.00000
   78 Indeno(1,2,3-cd)pyrene             276        28.854  28.869 (1.105)      22998    0.20000     0.2083
   79 Dibenzo(a,h)anthracene             278        28.861  28.876 (1.106)      20082    0.20000     0.2141
   80 Benzo(g,h,i)perylene               276        29.661  29.684 (1.136)      20265    0.20000     0.2191
   90 N-Nitrosodimethylamine              74         4.749   4.749 (0.517)      16503    0.40000     0.4766
   91 Aniline                             93         8.627   8.634 (0.939)      33005    0.40000     0.4801
   93 Benzidine                          184        21.023  21.030 (0.898)      23015    0.40000     0.4647
  103 Pyridine                            79         4.819   4.780 (0.525)      26293    0.20000     0.2389
  105 1-methylnaphthalene                142        13.360  13.359 (1.143)      23093    0.20000     0.2336
  111 Azobenzene (1,2-DP-Hydrazine)       77        16.747  16.746 (1.093)      25038    0.20000     0.2265
```

```
                                                                                              AMOUNTS
                                      QUANT SIG                                          CAL-AMT    ON-COL
Compounds                              MASS            RT    EXP RT   REL RT  RESPONSE   (ug/mL)    (ug/mL)
==========================             ====          ==== ======== ======== ========    =======    =======
  187 Total Benzofluoranthenes          252        25.296  25.358 (0.969)      49181    0.40000     0.4354
  120 2,3,4,6-Tetrachlorophenol         232        16.052  16.051 (1.047)       3081    0.20000     0.1470
```

QC Flag Legend

M - Compound response manually integrated.

```
Data File: \\target\share\chem3\nt14.i\20221230.b\NT1422123004.D Page 1
Report Date: 04-Jan-2023 08:10

                                   ARI Labs, Inc.

                             INTERNAL STANDARD COMPOUNDS
                                 AREA AND RT SUMMARY

Instrument ID: nt14.i                          Calibration Date: 30-DEC-2022
Lab File ID: NT1422123004.D                    Calibration Time: 08:06
Lab Smp Id: SKL0355-CAL1
Analysis Type: SV                                    Level:
Quant Type: ISTD                               Sample Type:
Operator: VTS
Method File: \\target\share\chem3\nt14.i\20221230.b\ABN.m
Misc Info:

Test Mode:
           Use Last Continuing Calibrator.

 |_____________________|__________|______AREA LIMIT_____|__________|_______|
 | COMPOUND            | STANDARD |  LOWER   |  UPPER   |  SAMPLE  | %DIFF |
 |=====================|==========|==========|==========|==========|=======|
 |  8 1,4-Dichlorobenze|    151013|     75507|    302026|    156948|   3.93|
 | 27 Naphthalene-d8   |    553510|    276755|   1107020|    570074|   2.99|
 | 42 Acenaphthene-d10 |    305411|    152706|    610822|    297614|  -2.55|
 | 59 Phenanthrene-d10 |    491708|    245854|    983416|    498496|   1.38|
 | 69 Chrysene-d12     |    424740|    212370|    849480|    404183|  -4.84|
 |134 Di-n-octylphthala|    684951|    342476|   1369902|    540769| -21.05|
 | 77 Perylene-d12     |    395150|    197575|    790300|    371728|  -5.93|
 |_____________________|__________|__________|__________|__________|_______|


 |_____________________|__________|_______RT LIMIT______|__________|_______|
 | COMPOUND            | STANDARD |  LOWER   |  UPPER   |  SAMPLE  | %DIFF |
 |=====================|==========|==========|==========|==========|=======|
 |  8 1,4-Dichlorobenze|      9.18|      8.68|      9.68|      9.18|   0.00|
 | 27 Naphthalene-d8   |     11.69|     11.19|     12.19|     11.69|   0.00|
 | 42 Acenaphthene-d10 |     15.33|     14.83|     15.83|     15.33|   0.00|
 | 59 Phenanthrene-d10 |     18.38|     17.88|     18.88|     18.37|  -0.04|
 | 69 Chrysene-d12     |     23.42|     22.92|     23.92|     23.41|  -0.03|
 |134 Di-n-octylphthala|     24.44|     23.94|     24.94|     24.44|   0.00|
 | 77 Perylene-d12     |     26.10|     25.60|     26.60|     26.10|   0.00|
 |_____________________|__________|__________|__________|__________|_______|

AREA UPPER LIMIT = +100% of internal standard area.
AREA LOWER LIMIT = - 50% of internal standard area.
RT UPPER LIMIT = + 0.50 minutes of internal standard RT.
RT LOWER LIMIT = - 0.50 minutes of internal standard RT.
```

```
REVIEW SUMMARY FOR FILE - NT1422123004.D

Lab ID: SKL0355-CAL1
nt14.i,  20221230.b\ABN.m,    30-DEC-2022 09:18


     RT      CO-ELUTION COMPOUNDS
---------------------------------------------------------------------------

            NO CO-ELUTIONS



Quant Method: ICAL




        RRT CHECK

   RRT    CCV RRT   DELTA    COMPOUND
 -------------------------------------

  0.950    0.958   -0.0086   Benzoic acid

  RRT check based on Ccal File: NT1422123002.D

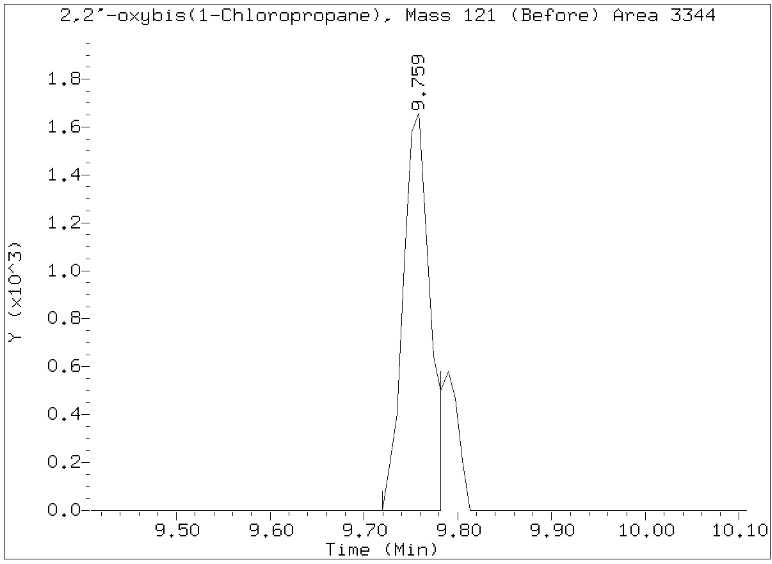

 On Column LOD for nt14.i, 20221230.b\ABN.m, ICAL.sub = 0.0000

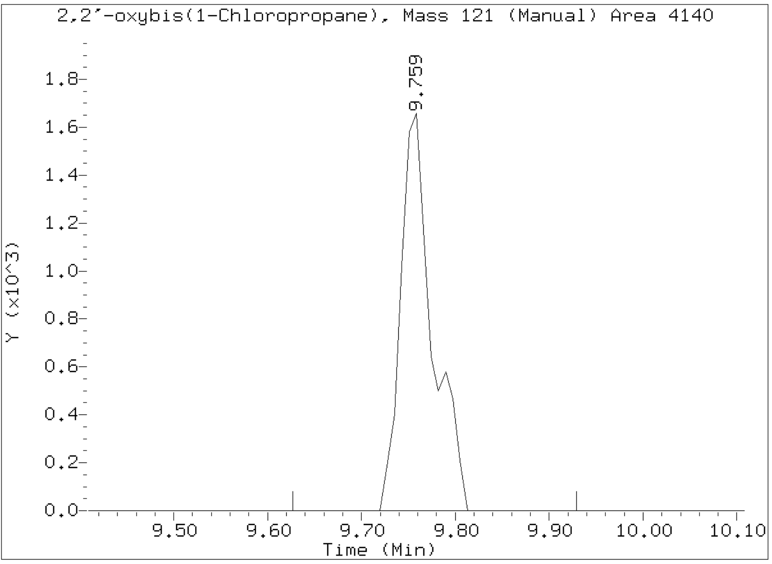


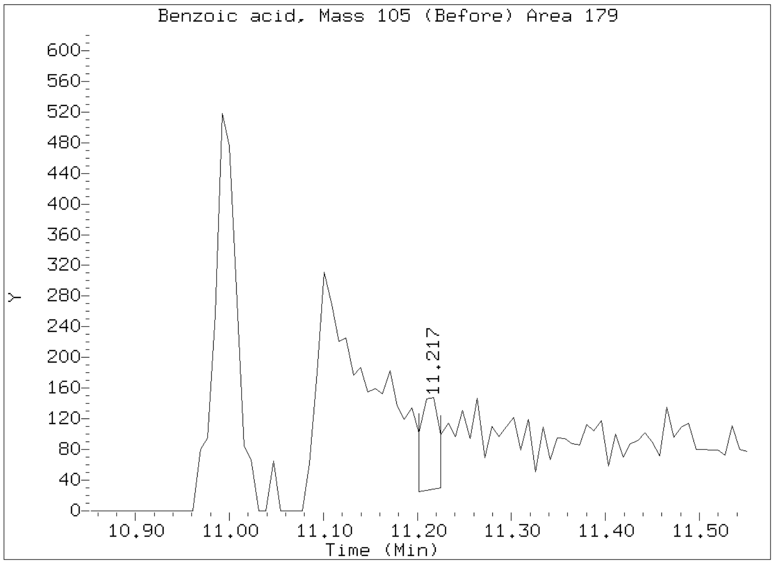
 * Only compounds listed in the work order have been verified by the analyst *
```

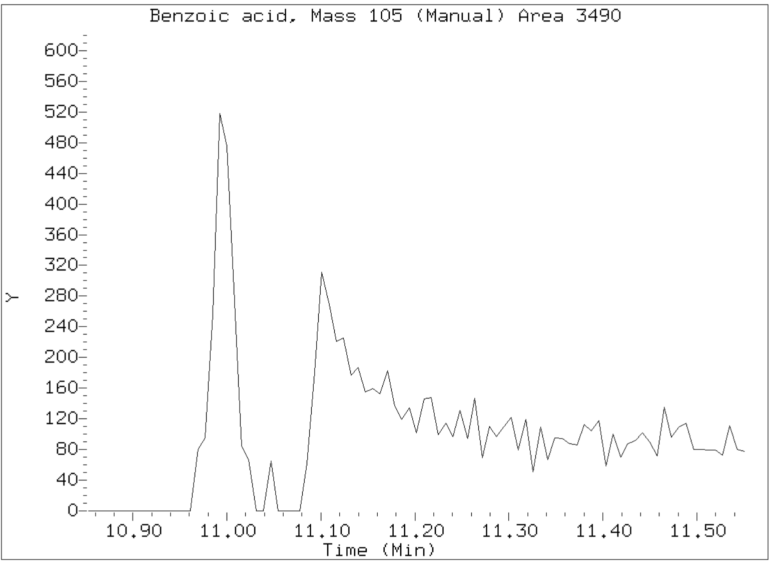
Quant Ion Manual Peak Adjustment Report

Datafile: //target/share/chem3/nt14.i/20221230.b/NT1422123004.D
Injection Date: 30-DEC-2022 09:18
Lab ID:SKL0355-CAL1 Client ID:
Report Date: 01/04/2023 08:10


2,2'-oxybis(1-Chloropropane), Mass 121 (Before) Area 3344


2,2'-oxybis(1-Chloropropane), Mass 121 (Manual) Area 4140


Benzoic acid, Mass 105 (Before) Area 179


Benzoic acid, Mass 105 (Manual) Area 3490

Data File: \\target\share\chem3\nt14.i\20221230.b\NT1422123005.D

Page 1

Date : 30-DEC-2022 09:54

Client ID:

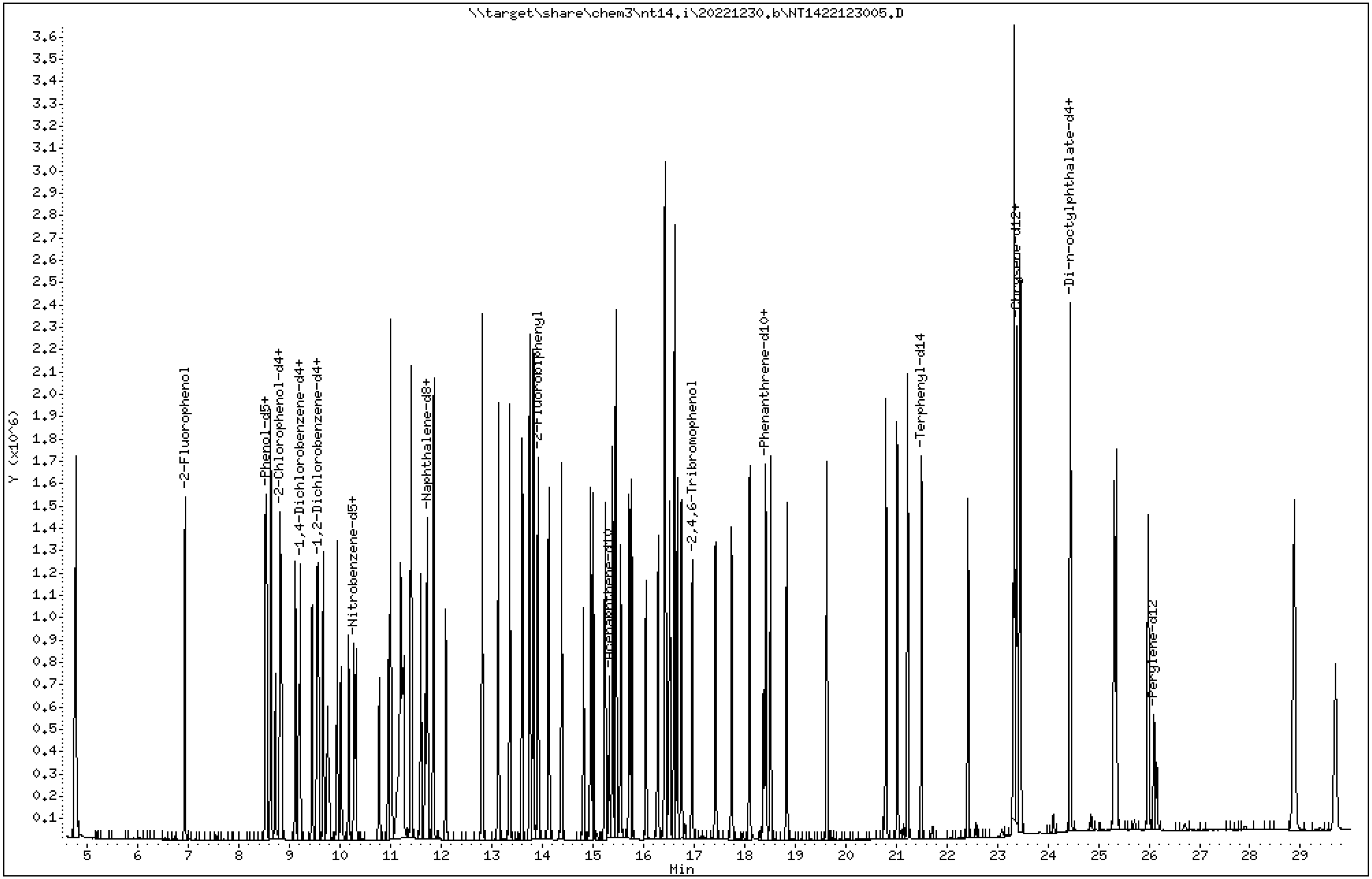
Instrument: nt14.i

Sample Info: SKL0355-CAL6

Operator: VTS

Column phase: ZB-5msi

Column diameter: 0.25



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                                  ARI Labs, Inc.

                       Semivolatile Report SW846 Method 8270D
Data file : \\target\share\chem3\nt14.i\20221230.b\NT1422123005.D
Lab Smp Id: SKL0355-CAL6
Inj Date  : 30-DEC-2022 09:54            MS Autotune Date: 17-MAY-2011 01:22
Operator  : VTS                          Inst ID: nt14.i
Smp Info  : SKL0355-CAL6
Misc Info :
Comment   : 1ul Injection
Method    : \\target\share\chem3\nt14.i\20221230.b\ABN.m
Meth Date : 04-Jan-2023 08:09 van        Quant Type: ISTD
Cal Date  : 30-DEC-2022 11:07            Cal File: NT1422123007.D
Als bottle: 5                            Calibration Sample, Level: 6
Dil Factor: 1.00000
Integrator: HP RTE                       Compound Sublist: ICAL.sub
Target Version:  4.14
Processing Host: VANS-201906


                                                                              AMOUNTS
                                       QUANT SIG                           CAL-AMT   ON-COL
Compounds                                MASS       RT   EXP RT   REL RT  RESPONSE   (ug/mL)   (ug/mL)
==========================             ====       ==== ======== ======== ========   =======   =======
$   1 2-Fluorophenol                     112      6.935   6.934 (0.755)    679687    15.0000     14.69
$   2 Phenol-d5                           99      8.534   8.526 (0.929)    872537    15.0000     15.26
    3 Phenol                              94      8.550   8.549 (0.931)    619094    10.0000     9.531
$   5 2-Chlorophenol-d4                  132      8.820   8.820 (0.960)    722531    15.0000     15.05
    4 Bis(2-Chloroethyl)ether             93      8.719   8.719 (0.949)    411863    10.0000     9.204
    6 2-Chlorophenol                     128      8.843   8.843 (0.963)    514491    10.0000     9.758
    7 1,3-Dichlorobenzene                146      9.122   9.121 (0.993)    516134    10.0000     9.231
*   8 1,4-Dichlorobenzene-d4             152      9.184   9.183 (1.000)    144388    4.00000
    9 1,4-Dichlorobenzene                146      9.215   9.214 (1.003)    492544    10.0000     9.299
$  10 1,2-Dichlorobenzene-d4             152      9.548   9.548 (1.040)    317548    10.0000     9.677
   12 1,2-Dichlorobenzene                146      9.572   9.571 (1.042)    485695    10.0000     9.350
   11 Benzyl alcohol                     108      9.455   9.447 (1.030)    302837    10.0000     10.47
   14 2,2'-oxybis(1-Chloropropane)       121      9.758   9.758 (1.063)    133200    10.0000     8.844(M)
   13 2-Methylphenol                     108      9.673   9.672 (1.053)    460441    10.0000     9.755
   17 Hexachloroethane                   117     10.177  10.177 (1.108)    188693    10.0000     9.686
   16 N-Nitroso-di-n-propylamine          70     10.022  10.014 (1.091)    287238    10.0000     9.990
   15 4-Methylphenol                     108      9.944   9.944 (1.083)    494444    10.0000     9.930
$  18 Nitrobenzene-d5                     82     10.286  10.285 (0.880)    458887    10.0000     10.44
   19 Nitrobenzene                        77     10.317  10.316 (0.883)    435132    10.0000     9.968
   20 Isophorone                          82     10.775  10.774 (0.922)    599485    10.0000     10.78
   21 2-Nitrophenol                      139     10.953  10.953 (0.937)    296338    10.0000     10.08
   22 2,4-Dimethylphenol                 107     11.007  10.999 (0.942)    971073    20.0000     21.31
   23 Bis(2-Chloroethoxy)methane          93     11.201  11.201 (0.958)    410542    10.0000     9.485
   24 Benzoic acid                       105     11.271  11.201 (0.964)   1255023    40.0000     40.83
   25 2,4-Dichlorophenol                 162     11.410  11.410 (0.976)    839403    20.0000     21.86
   26 1,2,4-Trichlorobenzene             180     11.604  11.604 (0.993)    387504    10.0000     9.332
*  27 Naphthalene-d8                     136     11.689  11.688 (1.000)    520524    4.00000
   28 Naphthalene                        128     11.735  11.735 (1.004)   1223288    10.0000     9.550
   29 4-Chloroaniline                    127     11.859  11.858 (1.015)   1081365    20.0000     20.47
   30 Hexachlorobutadiene                225     12.098  12.098 (1.035)    200462    10.0000     9.730
   31 4-Chloro-3-methylphenol            107     12.818  12.818 (1.097)    772836    20.0000     21.32
   32 2-Methylnaphthalene                142     13.135  13.135 (1.124)    946377    10.0000     10.07
   33 Hexachlorocyclopentadiene          237     13.607  13.607 (0.888)    488475    20.0000     22.16
```

```
                                                                                             AMOUNTS
                                     QUANT SIG                                           CAL-AMT    ON-COL
Compounds                              MASS          RT    EXP RT   REL RT   RESPONSE    (ug/mL)    (ug/mL)
==========================             ====        ==== ======== ======== ========    =======    =======
   34 2,4,6-Trichlorophenol            196       13.754  13.754 (0.897)     538916    20.0000      22.14
   35 2,4,5-Trichlorophenol            196       13.832  13.824 (0.903)     607808    20.0000      21.64
$  36 2-Fluorobiphenyl                 172       13.917  13.916 (0.908)     949918    10.0000      9.689
   37 2-Chloronaphthalene              162       14.134  14.133 (0.922)     801615    10.0000      9.611
   38 2-Nitroaniline                    65       14.389  14.389 (0.939)     471220    20.0000      21.49
   39 Dimethylphthalate                163       14.822  14.822 (0.967)     795860    10.0000      9.678
   40 Acenaphthylene                   152       15.008  15.008 (0.979)    1241465    10.0000      9.762
   41 2,6-Dinitrotoluene               165       14.962  14.954 (0.976)     393357    20.0000      21.20
*  42 Acenaphthene-d10                 164       15.325  15.325 (1.000)     291597    4.00000
   43 3-Nitroaniline                   138       15.248  15.240 (0.995)     486154    20.0000      21.55
   44 Acenaphthene                     153       15.395  15.394 (1.005)     762858    10.0000      9.671
   45 2,4-Dinitrophenol                184       15.464  15.456 (1.009)     731163    40.0000      41.68
   46 Dibenzofuran                     168       15.719  15.719 (1.026)    1138667    10.0000      9.626
   47 4-Nitrophenol                    109       15.557  15.549 (1.015)     230638    20.0000      20.34
   48 2,4-Dinitrotoluene               165       15.774  15.765 (1.029)     547007    20.0000      21.48
   50 Diethylphthalate                 149       16.292  16.283 (1.063)    1117494    10.0000      9.998
   49 Fluorene                         166       16.438  16.438 (1.073)    1268888    10.0000      10.08
   51 4-Chlorophenyl-phenylether       204       16.423  16.423 (1.072)     605617    10.0000      9.831
   52 4-Nitroaniline                   138       16.523  16.515 (1.078)     591978    20.0000      20.71
   53 4,6-Dinitro-2-methylphenol       198       16.623  16.615 (0.905)     868287    40.0000      40.88
   54 N-Nitrosodiphenylamine           169       16.670  16.669 (0.907)     756128    10.0000      9.633
$  55 2,4,6-Tribromophenol             330       16.970  16.970 (1.107)     228033    15.0000      15.25
   56 4-Bromophenyl-phenylether        248       17.433  17.433 (0.949)     296950    10.0000      9.990
   57 Hexachlorobenzene                284       17.750  17.749 (0.966)     308248    10.0000      9.450
   58 Pentachlorophenol                266       18.106  18.106 (0.985)     325403    20.0000      20.49
*  59 Phenanthrene-d10                 188       18.377  18.376 (1.000)     457445    4.00000
   60 Phenanthrene                     178       18.423  18.423 (1.003)    1136058    10.0000      9.525
   61 Anthracene                       178       18.516  18.516 (1.008)    1166723    10.0000      10.25
   62 Carbazole                        167       18.841  18.841 (1.025)    1106489    10.0000      10.05
   63 Di-n-butylphthalate              149       19.630  19.630 (1.068)    1391254    10.0000      10.21
   64 Fluoranthene                     202       20.806  20.806 (0.889)    1335570    10.0000      10.15
   65 Pyrene                           202       21.224  21.231 (0.906)    1400336    10.0000      10.12
$  66 Terphenyl-d14                    244       21.503  21.510 (0.918)     945502    10.0000      9.639
   67 Butylbenzylphthalate             149       22.424  22.423 (0.958)     545847    10.0000      10.07
   68 Benzo(a)anthracene               228       23.384  23.384 (0.999)    1247362    10.0000      10.08
*  69 Chrysene-d12                     240       23.415  23.415 (1.000)     408635    4.00000
   70 3,3'-Dichlorobenzidine           252       23.338  23.329 (0.997)    1218183    30.0000      32.15
   71 Chrysene                         228       23.461  23.461 (1.002)    1138686    10.0000      9.738
   72 bis(2-Ethylhexyl)phthalate       149       23.446  23.446 (0.959)     808502    10.0000      11.16
* 134 Di-n-octylphthalate-d4           153       24.437  24.437 (1.000)     652062    4.00000
   73 Di-n-octylphthalate              149       24.452  24.452 (1.001)    1452216    10.0000      9.278
   74 Benzo(b)fluoranthene             252       25.312  25.311 (0.970)    1240733    10.0000      10.56
   75 Benzo(k)fluoranthene             252       25.358  25.358 (0.972)    1222178    10.0000      10.22
   76 Benzo(a)pyrene                   252       25.985  25.985 (0.996)    1054229    10.0000      10.80
*  77 Perylene-d12                     264       26.102  26.101 (1.000)     373712    4.00000
   78 Indeno(1,2,3-cd)pyrene           276       28.869  28.869 (1.106)    1165940    10.0000      10.51
   79 Dibenzo(a,h)anthracene           278       28.885  28.876 (1.107)     993824    10.0000      10.54
   80 Benzo(g,h,i)perylene             276       29.692  29.684 (1.138)     963494    10.0000      10.36
   90 N-Nitrosodimethylamine            74        4.757   4.749 (0.518)     607307    20.0000      19.06
   91 Aniline                           93        8.635   8.634 (0.940)    1222568    20.0000      19.33
   93 Benzidine                        184       21.023  21.030 (0.898)    1160731    20.0000      20.97
  103 Pyridine                          79        4.780   4.780 (0.521)     938645    10.0000      9.272
  105 1-methylnaphthalene              142       13.360  13.359 (1.143)     908074    10.0000      10.06
  111 Azobenzene (1,2-DP-Hydrazine)     77       16.754  16.746 (1.093)    1036002    10.0000      9.567
```

```
                                                                                         AMOUNTS
                                      QUANT SIG                                      CAL-AMT    ON-COL
Compounds                               MASS           RT    EXP RT   REL RT  RESPONSE   (ug/mL)    (ug/mL)
==========================              ====         ==== ======== ======== ========   =======    =======
  187 Total Benzofluoranthenes           252        25.358  25.358 (0.972)   2352916   20.0000      20.72
  120 2,3,4,6-Tetrachlorophenol          232        16.052  16.051 (1.047)    230505   10.0000      10.22
```

QC Flag Legend

M - Compound response manually integrated.

Data File: \\target\share\chem3\nt14.i\20221230.b\NT1422123005.D Page 1
Report Date: 04-Jan-2023 08:10

ARI Labs, Inc.

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: nt14.i
Lab File ID: NT1422123005.D
Lab Smp Id: SKL0355-CAL6
Analysis Type: SV
Quant Type: ISTD
Operator: VTS
Method File: \\target\share\chem3\nt14.i\20221230.b\ABN.m
Misc Info:

Calibration Date: 30-DEC-2022
Calibration Time: 08:06
Level:
Sample Type:

Test Mode:
Use Last Continuing Calibrator.

COMPOUND	STANDARD	AREA LIMIT LOWER	 UPPER	SAMPLE	%DIFF
8 1,4-Dichlorobenze	151013	75507	302026	144388	-4.39
27 Naphthalene-d8	553510	276755	1107020	520524	-5.96
42 Acenaphthene-d10	305411	152706	610822	291597	-4.52
59 Phenanthrene-d10	491708	245854	983416	457445	-6.97
69 Chrysene-d12	424740	212370	849480	408635	-3.79
134 Di-n-octylphthala	684951	342476	1369902	652062	-4.80
77 Perylene-d12	395150	197575	790300	373712	-5.43

COMPOUND	STANDARD	RT LIMIT LOWER	 UPPER	SAMPLE	%DIFF
8 1,4-Dichlorobenze	9.18	8.68	9.68	9.18	0.00
27 Naphthalene-d8	11.69	11.19	12.19	11.69	0.00
42 Acenaphthene-d10	15.33	14.83	15.83	15.33	0.00
59 Phenanthrene-d10	18.38	17.88	18.88	18.38	0.00
69 Chrysene-d12	23.42	22.92	23.92	23.42	0.00
134 Di-n-octylphthala	24.44	23.94	24.94	24.44	0.00
77 Perylene-d12	26.10	25.60	26.60	26.10	0.00

AREA UPPER LIMIT = +100% of internal standard area.
AREA LOWER LIMIT = - 50% of internal standard area.
RT UPPER LIMIT = + 0.50 minutes of internal standard RT.
RT LOWER LIMIT = - 0.50 minutes of internal standard RT.

```
REVIEW SUMMARY FOR FILE - NT1422123005.D

Lab ID: SKL0355-CAL6
nt14.i,  20221230.b\ABN.m,    30-DEC-2022 09:54

     RT      CO-ELUTION COMPOUNDS
----------------------------------------------------------------------------

            NO CO-ELUTIONS


Quant Method: ICAL



        RRT CHECK

   RRT    CCV RRT   DELTA    COMPOUND
 -------------------------------------

  0.964    0.958    0.0060   Benzoic acid

  RRT check based on Ccal File: NT1422123002.D


 On Column LOD for nt14.i, 20221230.b\ABN.m, ICAL.sub = 0.0000



 * Only compounds listed in the work order have been verified by the analyst *
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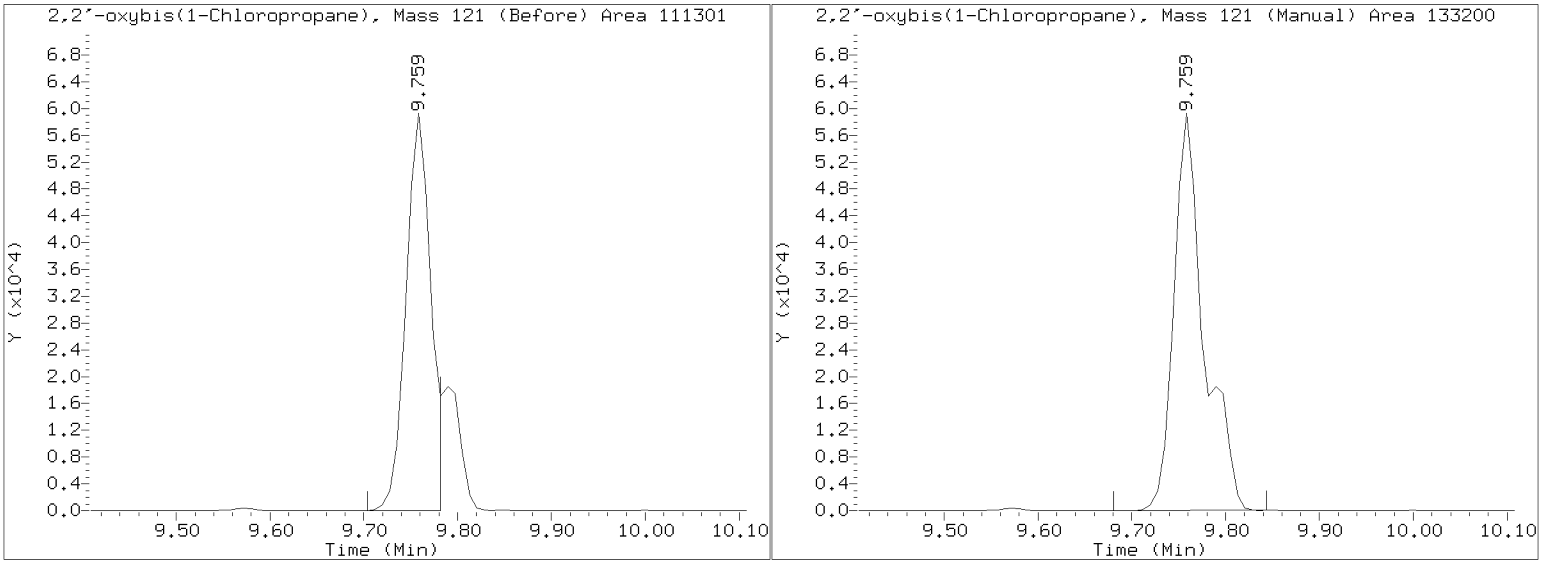
Quant Ion Manual Peak Adjustment Report

Datafile: //target/share/chem3/nt14.i/20221230.b/NT1422123005.D
Injection Date: 30-DEC-2022 09:54
Lab ID:SKL0355-CAL6 Client ID:
Report Date: 01/04/2023 08:10



Data File: \\target\share\chem3\nt14.i\20221230.b\NT1422123006.D
Page 1

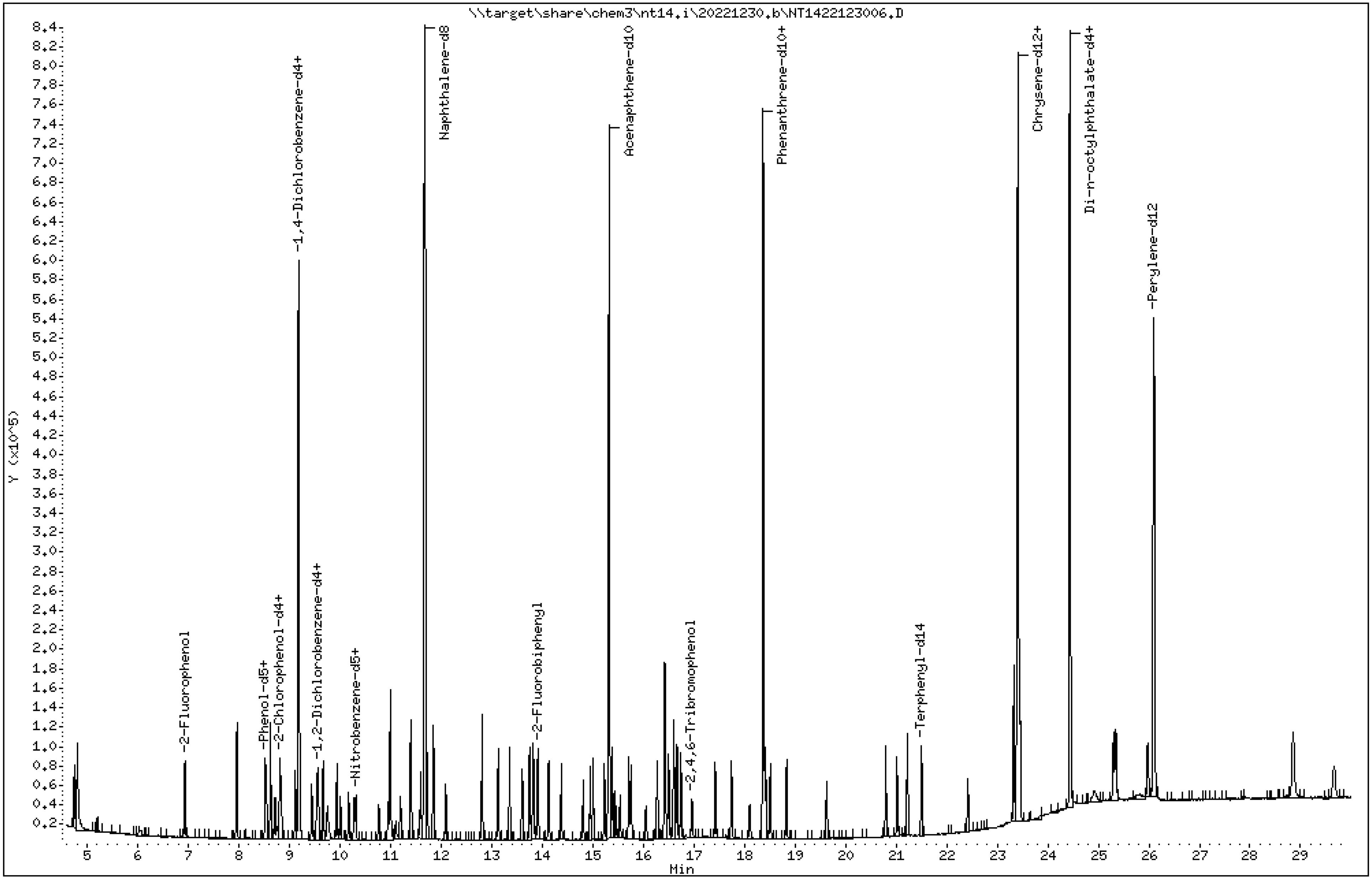
Date : 30-DEC-2022 10:30

Client ID:
Instrument: nt14.i

Sample Info: SKL0355-CAL2

Operator: VTS

Column phase: ZB-5msi
Column diameter: 0.25



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Data File: \\target\share\chem3\nt14.i\20221230.b\NT1422123006.D Page 1
Report Date: 04-Jan-2023 08:10



                              ARI Labs, Inc.

                    Semivolatile Report SW846 Method 8270D
Data file : \\target\share\chem3\nt14.i\20221230.b\NT1422123006.D
Lab Smp Id: SKL0355-CAL2
Inj Date  : 30-DEC-2022 10:30             MS Autotune Date: 17-MAY-2011 01:22
Operator  : VTS                           Inst ID: nt14.i
Smp Info  : SKL0355-CAL2
Misc Info :
Comment   : 1ul Injection
Method    : \\target\share\chem3\nt14.i\20221230.b\ABN.m
Meth Date : 04-Jan-2023 08:09 van         Quant Type: ISTD
Cal Date  : 30-DEC-2022 11:07             Cal File: NT1422123007.D
Als bottle: 6                             Calibration Sample, Level: 2
Dil Factor: 1.00000
Integrator: HP RTE                        Compound Sublist: ICAL.sub
Target Version:  4.14
Processing Host: VANS-201906


                                                                                                    AMOUNTS
                                           QUANT SIG                                            CAL-AMT    ON-COL
Compounds                                    MASS          RT    EXP RT   REL RT  RESPONSE      (ug/mL)    (ug/mL)
==========================                   ====        ==== ======== ======== ========      =======    =======
$   1 2-Fluorophenol                          112       6.935   6.934 (0.755)      34903      0.75000     0.6981
$   2 Phenol-d5                                99       8.519   8.526 (0.928)      42199      0.75000     0.6830
    3 Phenol                                   94       8.542   8.549 (0.930)      36124      0.50000     0.5145
$   5 2-Chlorophenol-d4                       132       8.812   8.820 (0.960)      35806      0.75000     0.6900
    4 Bis(2-Chloroethyl)ether                  93       8.720   8.719 (0.949)      24289      0.50000     0.5022
    6 2-Chlorophenol                          128       8.843   8.843 (0.963)      29167      0.50000     0.5118
    7 1,3-Dichlorobenzene                     146       9.114   9.121 (0.992)      30449      0.50000     0.5039
*   8 1,4-Dichlorobenzene-d4                  152       9.184   9.183 (1.000)     156057      4.00000
    9 1,4-Dichlorobenzene                     146       9.215   9.214 (1.003)      28610      0.50000     0.4997
$  10 1,2-Dichlorobenzene-d4                  152       9.548   9.548 (1.040)      17119      0.50000     0.4827
   12 1,2-Dichlorobenzene                     146       9.572   9.571 (1.042)      28498      0.50000     0.5076
   11 Benzyl alcohol                          108       9.447   9.447 (1.029)      14402      0.50000     0.4608
   14 2,2'-oxybis(1-Chloropropane)            121       9.758   9.758 (1.063)       8044      0.50000     0.4942(M)
   13 2-Methylphenol                          108       9.673   9.672 (1.053)      25776      0.50000     0.5053
   17 Hexachloroethane                        117      10.177  10.177 (1.108)      10124      0.50000     0.4808
   16 N-Nitroso-di-n-propylamine               70      10.014  10.014 (1.090)      14481      0.50000     0.4660
   15 4-Methylphenol                          108       9.937   9.944 (1.082)      26897      0.50000     0.4998
$  18 Nitrobenzene-d5                          82      10.278  10.285 (0.879)      21401      0.50000     0.4431
   19 Nitrobenzene                             77      10.317  10.316 (0.883)      22648      0.50000     0.4721
   20 Isophorone                               82      10.767  10.774 (0.921)      25135      0.50000     0.4111
   21 2-Nitrophenol                           139      10.953  10.953 (0.937)      12069      0.50000     0.4112
   22 2,4-Dimethylphenol                      107      11.000  10.999 (0.941)      51050      1.00000      1.020
   23 Bis(2-Chloroethoxy)methane               93      11.193  11.201 (0.958)      23378      0.50000     0.4915
   24 Benzoic acid                            105      11.108  11.201 (0.950)      14207      2.00000     0.4659(M)
   25 2,4-Dichlorophenol                      162      11.403  11.410 (0.976)      40191      1.00000     0.9524
   26 1,2,4-Trichlorobenzene                  180      11.596  11.604 (0.992)      23206      0.50000     0.5086
*  27 Naphthalene-d8                          136      11.689  11.688 (1.000)     571985      4.00000
   28 Naphthalene                             128      11.727  11.735 (1.003)      69183      0.50000     0.4915
   29 4-Chloroaniline                         127      11.851  11.858 (1.014)      56453      1.00000     0.9725
   30 Hexachlorobutadiene                     225      12.098  12.098 (1.035)      11064      0.50000     0.4887
   31 4-Chloro-3-methylphenol                 107      12.810  12.818 (1.096)      38662      1.00000     0.9708
   32 2-Methylnaphthalene                     142      13.135  13.135 (1.124)      49620      0.50000     0.4806
   33 Hexachlorocyclopentadiene               237      13.607  13.607 (0.888)      18783      1.00000     0.8233
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                                                                                              AMOUNTS
                                      QUANT SIG                                           CAL-AMT    ON-COL
Compounds                               MASS         RT    EXP RT   REL RT  RESPONSE     (ug/mL)    (ug/mL)
==========================              ====        ==== ======== ======== ========     =======    =======
   34 2,4,6-Trichlorophenol              196       13.754  13.754 (0.897)     21656     1.00000     0.8597
   35 2,4,5-Trichlorophenol              196       13.824  13.824 (0.902)     27255     1.00000     0.9375
$  36 2-Fluorobiphenyl                   172       13.917  13.916 (0.908)     47567     0.50000     0.4688
   37 2-Chloronaphthalene                162       14.134  14.133 (0.922)     42164     0.50000     0.4884
   38 2-Nitroaniline                      65       14.381  14.389 (0.938)     19656     1.00000     0.8661
   39 Dimethylphthalate                  163       14.815  14.822 (0.967)     40698     0.50000     0.4782
   40 Acenaphthylene                     152       15.008  15.008 (0.979)     63153     0.50000     0.4798
   41 2,6-Dinitrotoluene                 165       14.954  14.954 (0.976)     16410     1.00000     0.8543
*  42 Acenaphthene-d10                   164       15.325  15.325 (1.000)    301808     4.00000
   43 3-Nitroaniline                     138       15.233  15.240 (0.994)     19877     1.00000     0.8514
   44 Acenaphthene                       153       15.387  15.394 (1.004)     39464     0.50000     0.4834
   45 2,4-Dinitrophenol                  184       15.441  15.456 (1.008)     12777     2.00000     0.7820
   46 Dibenzofuran                       168       15.712  15.719 (1.025)     60485     0.50000     0.4940
   47 4-Nitrophenol                      109       15.542  15.549 (1.014)      8162     1.00000     0.7298
   48 2,4-Dinitrotoluene                 165       15.758  15.765 (1.028)     22031     1.00000     0.8360
   50 Diethylphthalate                   149       16.276  16.283 (1.062)     48213     0.50000     0.4167
   49 Fluorene                           166       16.431  16.438 (1.072)     61703     0.50000     0.4738
   51 4-Chlorophenyl-phenylether         204       16.423  16.423 (1.072)     28550     0.50000     0.4478
   52 4-Nitroaniline                     138       16.500  16.515 (1.077)     23979     1.00000     0.8525
   53 4,6-Dinitro-2-methylphenol         198       16.600  16.615 (0.904)     28739     2.00000      1.378
   54 N-Nitrosodiphenylamine             169       16.670  16.669 (0.907)     41445     0.50000     0.4873
$  55 2,4,6-Tribromophenol               330       16.963  16.970 (1.107)      7439     0.75000     0.5253
   56 4-Bromophenyl-phenylether          248       17.425  17.433 (0.949)     14917     0.50000     0.4632
   57 Hexachlorobenzene                  284       17.750  17.749 (0.966)     17094     0.50000     0.4837
   58 Pentachlorophenol                  266       18.106  18.106 (0.986)      7931     1.00000     0.5172
*  59 Phenanthrene-d10                   188       18.369  18.376 (1.000)    495600     4.00000
   60 Phenanthrene                       178       18.415  18.423 (1.003)     62770     0.50000     0.4858
   61 Anthracene                         178       18.508  18.516 (1.008)     56156     0.50000     0.4552
   62 Carbazole                          167       18.833  18.841 (1.025)     55016     0.50000     0.4613
   63 Di-n-butylphthalate                149       19.630  19.630 (1.069)     48994     0.50000     0.3635
   64 Fluoranthene                       202       20.798  20.806 (0.889)     59348     0.50000     0.4569
   65 Pyrene                             202       21.224  21.231 (0.907)     64535     0.50000     0.4725
$  66 Terphenyl-d14                      244       21.503  21.510 (0.919)     45758     0.50000     0.4725
   67 Butylbenzylphthalate               149       22.424  22.423 (0.958)     17654     0.50000     0.3425
   68 Benzo(a)anthracene                 228       23.376  23.384 (0.999)     57446     0.50000     0.4700
*  69 Chrysene-d12                       240       23.407  23.415 (1.000)    403440     4.00000
   70 3,3'-Dichlorobenzidine             252       23.330  23.329 (0.997)     53862     1.50000      1.440
   71 Chrysene                           228       23.454  23.461 (1.002)     56466     0.50000     0.4891
   72 bis(2-Ethylhexyl)phthalate         149       23.438  23.446 (0.959)     24451     0.50000     0.4089
* 134 Di-n-octylphthalate-d4             153       24.437  24.437 (1.000)    538411     4.00000
   73 Di-n-octylphthalate                149       24.445  24.452 (1.000)     65847     0.50000     0.5095
   74 Benzo(b)fluoranthene               252       25.296  25.311 (0.969)     50315     0.50000     0.4235
   75 Benzo(k)fluoranthene               252       25.343  25.358 (0.971)     57082     0.50000     0.4720
   76 Benzo(a)pyrene                     252       25.978  25.985 (0.995)     42758     0.50000     0.4329
*  77 Perylene-d12                       264       26.102  26.101 (1.000)    378046     4.00000
   78 Indeno(1,2,3-cd)pyrene             276       28.854  28.869 (1.105)     49428     0.50000     0.4402
   79 Dibenzo(a,h)anthracene             278       28.861  28.876 (1.106)     42151     0.50000     0.4418
   80 Benzo(g,h,i)perylene               276       29.661  29.684 (1.136)     42449     0.50000     0.4513
   90 N-Nitrosodimethylamine              74        4.749   4.749 (0.517)     34503     1.00000      1.002
   91 Aniline                             93        8.627   8.634 (0.939)     67619     1.00000     0.9892
   93 Benzidine                          184       21.023  21.030 (0.898)     50054     1.00000      1.010
  103 Pyridine                            79        4.803   4.780 (0.523)     55583     0.50000     0.5080
  105 1-methylnaphthalene                142       13.360  13.359 (1.143)     47699     0.50000     0.4808
  111 Azobenzene (1,2-DP-Hydrazine)       77       16.747  16.746 (1.093)     55153     0.50000     0.4921
```

```
                                                                                          AMOUNTS
                                     QUANT SIG                                        CAL-AMT    ON-COL
Compounds                              MASS          RT    EXP RT   REL RT  RESPONSE   (ug/mL)    (ug/mL)
==========================             ====        ==== ======== ======== ========    =======    =======
  187 Total Benzofluoranthenes          252       25.343  25.358 (0.971)    103541    1.00000     0.9014
  120 2,3,4,6-Tetrachlorophenol         232       16.052  16.051 (1.047)      7674    0.50000     0.3605
```

QC Flag Legend

M - Compound response manually integrated.

Data File: \\target\share\chem3\nt14.i\20221230.b\NT1422123006.D Page 1
Report Date: 04-Jan-2023 08:10

ARI Labs, Inc.

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: nt14.i
Lab File ID: NT1422123006.D
Lab Smp Id: SKL0355-CAL2
Analysis Type: SV
Quant Type: ISTD
Operator: VTS
Method File: \\target\share\chem3\nt14.i\20221230.b\ABN.m
Misc Info:

Calibration Date: 30-DEC-2022
Calibration Time: 08:06
Level:
Sample Type:

Test Mode:
Use Last Continuing Calibrator.

COMPOUND	STANDARD	AREA LIMIT LOWER	 UPPER	SAMPLE	%DIFF
8 1,4-Dichlorobenze	151013	75507	302026	156057	3.34
27 Naphthalene-d8	553510	276755	1107020	571985	3.34
42 Acenaphthene-d10	305411	152706	610822	301808	-1.18
59 Phenanthrene-d10	491708	245854	983416	495600	0.79
69 Chrysene-d12	424740	212370	849480	403440	-5.01
134 Di-n-octylphthala	684951	342476	1369902	538411	-21.39
77 Perylene-d12	395150	197575	790300	378046	-4.33

COMPOUND	STANDARD	RT LIMIT LOWER	 UPPER	SAMPLE	%DIFF
8 1,4-Dichlorobenze	9.18	8.68	9.68	9.18	0.00
27 Naphthalene-d8	11.69	11.19	12.19	11.69	0.00
42 Acenaphthene-d10	15.33	14.83	15.83	15.33	0.00
59 Phenanthrene-d10	18.38	17.88	18.88	18.37	-0.04
69 Chrysene-d12	23.42	22.92	23.92	23.41	-0.03
134 Di-n-octylphthala	24.44	23.94	24.94	24.44	0.00
77 Perylene-d12	26.10	25.60	26.60	26.10	0.00

AREA UPPER LIMIT = +100% of internal standard area.
AREA LOWER LIMIT = - 50% of internal standard area.
RT UPPER LIMIT = + 0.50 minutes of internal standard RT.
RT LOWER LIMIT = - 0.50 minutes of internal standard RT.

```
REVIEW SUMMARY FOR FILE - NT1422123006.D

Lab ID: SKL0355-CAL2
nt14.i,  20221230.b\ABN.m,    30-DEC-2022 10:30

     RT      CO-ELUTION COMPOUNDS
----------------------------------------------------------------------------

            NO CO-ELUTIONS


Quant Method: ICAL



        RRT CHECK

   RRT    CCV RRT   DELTA    COMPOUND
 -------------------------------------

  0.950    0.958   -0.0080   Benzoic acid

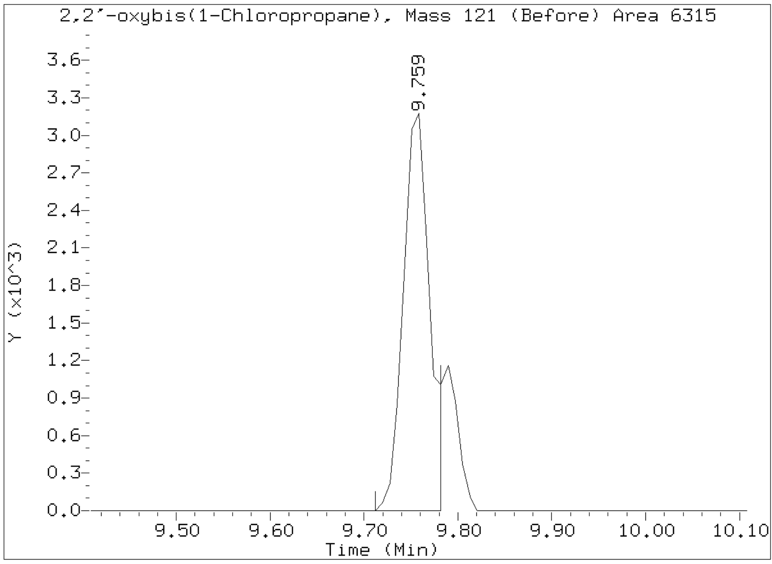
  RRT check based on Ccal File: NT1422123002.D

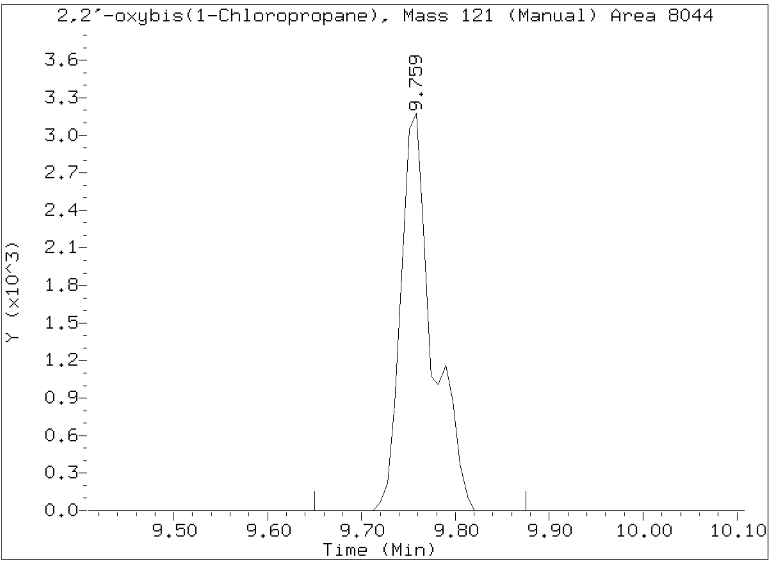

 On Column LOD for nt14.i, 20221230.b\ABN.m, ICAL.sub = 0.0000

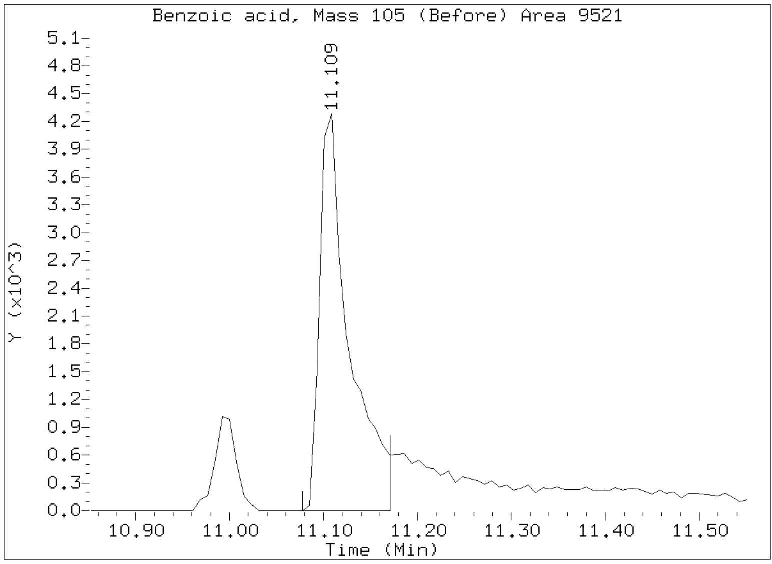

 * Only compounds listed in the work order have been verified by the analyst *
```

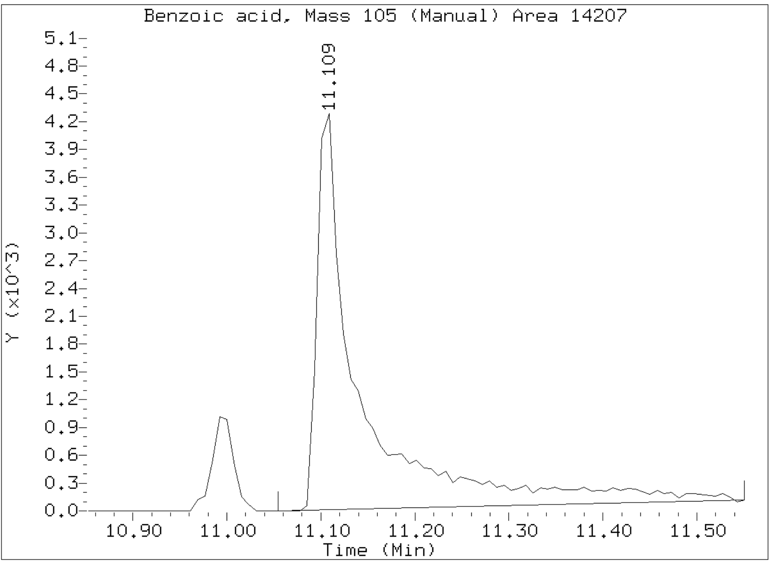
Quant Ion Manual Peak Adjustment Report

Datafile: //target/share/chem3/nt14.i/20221230.b/NT1422123006.D
Injection Date: 30-DEC-2022 10:30
Lab ID:SKL0355-CAL2 Client ID:
Report Date: 01/04/2023 08:10


2,2'-oxybis(1-Chloropropane), Mass 121 (Before) Area 6315


2,2'-oxybis(1-Chloropropane), Mass 121 (Manual) Area 8044


Benzoic acid, Mass 105 (Before) Area 9521


Benzoic acid, Mass 105 (Manual) Area 14207

Data File: \\target\share\chem3\nt14.i\20221230.b\NT1422123007.D

Date : 30-DEC-2022 11:07

Client ID:

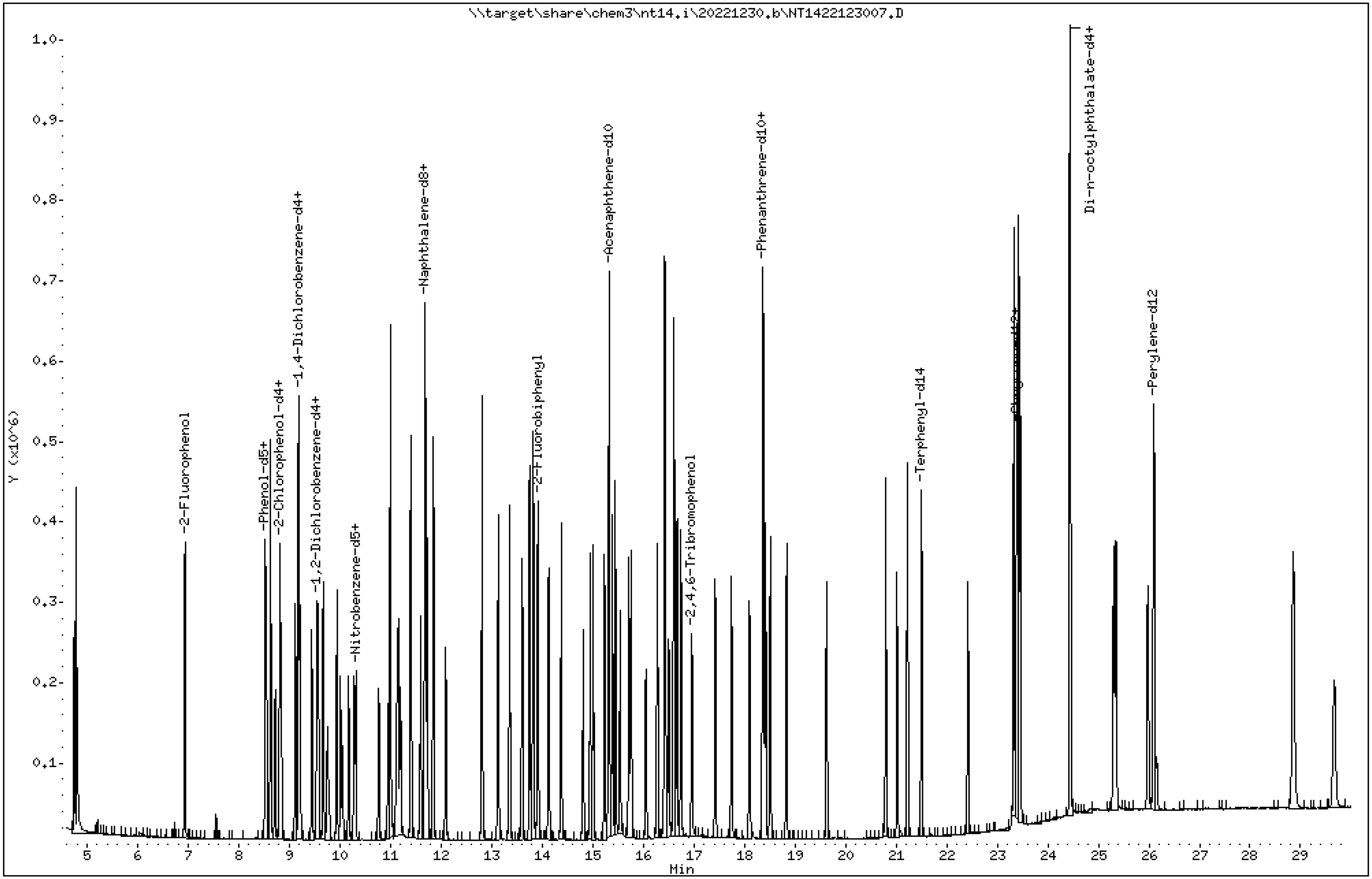
Instrument: nt14.i

Sample Info: SKL0355-CAL4

Operator: VTS

Column phase: ZB-5msi

Column diameter: 0.25



```
                                ARI Labs, Inc.

                    Semivolatile Report SW846 Method 8270D
Data file : \\target\share\chem3\nt14.i\20221230.b\NT1422123007.D
Lab Smp Id: SKL0355-CAL4
Inj Date  : 30-DEC-2022 11:07          MS Autotune Date: 17-MAY-2011 01:22
Operator  : VTS                        Inst ID: nt14.i
Smp Info  : SKL0355-CAL4
Misc Info :
Comment   : 1ul Injection
Method    : \\target\share\chem3\nt14.i\20221230.b\ABN.m
Meth Date : 04-Jan-2023 08:09 van      Quant Type: ISTD
Cal Date  : 30-DEC-2022 11:07          Cal File: NT1422123007.D
Als bottle: 7                          Calibration Sample, Level: 4
Dil Factor: 1.00000
Integrator: HP RTE                     Compound Sublist: ICAL.sub
Target Version:  4.14
Processing Host: VANS-201906
```

```
                                                                                    AMOUNTS
                                   QUANT SIG                                     CAL-AMT    ON-COL
Compounds                            MASS          RT   EXP RT   REL RT  RESPONSE  (ug/mL)    (ug/mL)
==========================           ====        ==== ======== ======== ========  =======    =======
$   1 2-Fluorophenol                  112       6.935    6.934 (0.755)    161372   3.75000      3.490
$   2 Phenol-d5                        99       8.526    8.526 (0.928)    197392   3.75000      3.454
    3 Phenol                           94       8.542    8.549 (0.930)    147712   2.50000      2.275
$   5 2-Chlorophenol-d4               132       8.812    8.820 (0.960)    165516   3.75000      3.449
    4 Bis(2-Chloroethyl)ether          93       8.720    8.719 (0.949)    100156   2.50000      2.239
    6 2-Chlorophenol                  128       8.843    8.843 (0.963)    118199   2.50000      2.243
    7 1,3-Dichlorobenzene             146       9.122    9.121 (0.993)    125394   2.50000      2.244
*   8 1,4-Dichlorobenzene-d4          152       9.184    9.183 (1.000)    144333   4.00000
    9 1,4-Dichlorobenzene             146       9.215    9.214 (1.003)    118264   2.50000      2.234
$  10 1,2-Dichlorobenzene-d4          152       9.548    9.548 (1.040)     72638   2.50000      2.214
   12 1,2-Dichlorobenzene             146       9.572    9.571 (1.042)    115678   2.50000      2.228
   11 Benzyl alcohol                  108       9.448    9.447 (1.029)     65858   2.50000      2.278
   14 2,2'-oxybis(1-Chloropropane)    121       9.758    9.758 (1.063)     31485   2.50000      2.091(M)
   13 2-Methylphenol                  108       9.673    9.672 (1.053)    108026   2.50000      2.290
   17 Hexachloroethane                117      10.177   10.177 (1.108)     43457   2.50000      2.232
   16 N-Nitroso-di-n-propylamine       70      10.014   10.014 (1.090)     66811   2.50000      2.324
   15 4-Methylphenol                  108       9.944    9.944 (1.083)    112855   2.50000      2.267
$  18 Nitrobenzene-d5                  82      10.278   10.285 (0.879)    102108   2.50000      2.272
   19 Nitrobenzene                     77      10.317   10.316 (0.883)     99801   2.50000      2.236
   20 Isophorone                       82      10.767   10.774 (0.921)    126119   2.50000      2.217
   21 2-Nitrophenol                   139      10.953   10.953 (0.937)     59106   2.50000      2.132
   22 2,4-Dimethylphenol              107      11.000   10.999 (0.941)    210430   5.00000      4.517
   23 Bis(2-Chloroethoxy)methane       93      11.201   11.201 (0.958)     99507   2.50000      2.248
   24 Benzoic acid                    105      11.155   11.201 (0.954)    205762   10.0000      7.144
   25 2,4-Dichlorophenol              162      11.403   11.410 (0.976)    173493   5.00000      4.418
   26 1,2,4-Trichlorobenzene          180      11.596   11.604 (0.992)     93766   2.50000      2.208
*  27 Naphthalene-d8                  136      11.689   11.688 (1.000)    532256   4.00000
   28 Naphthalene                     128      11.728   11.735 (1.003)    290726   2.50000      2.220
   29 4-Chloroaniline                 127      11.851   11.858 (1.014)    265464   5.00000      4.914
   30 Hexachlorobutadiene             225      12.098   12.098 (1.035)     46502   2.50000      2.207
   31 4-Chloro-3-methylphenol         107      12.810   12.818 (1.096)    171599   5.00000      4.630
   32 2-Methylnaphthalene             142      13.135   13.135 (1.124)    214202   2.50000      2.229
   33 Hexachlorocyclopentadiene       237      13.607   13.607 (0.888)     95170   5.00000      4.380
```

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Data File: \\target\share\chem3\nt14.i\20221230.b\NT1422123007.D Page 2
Report Date: 04-Jan-2023 08:10


                                                                                      AMOUNTS
                                      QUANT SIG                                   CAL-AMT    ON-COL
Compounds                              MASS         RT    EXP RT   REL RT  RESPONSE   (ug/mL)    (ug/mL)
==========================             ====       ==== ======== ======== ========   =======    =======
   34 2,4,6-Trichlorophenol             196     13.754  13.754 (0.897)    107791   5.00000      4.492
   35 2,4,5-Trichlorophenol             196     13.824  13.824 (0.902)    122944   5.00000      4.440
$  36 2-Fluorobiphenyl                  172     13.917  13.916 (0.908)    215631   2.50000      2.231
   37 2-Chloronaphthalene               162     14.134  14.133 (0.922)    180247   2.50000      2.192
   38 2-Nitroaniline                     65     14.381  14.389 (0.938)    102237   5.00000      4.729
   39 Dimethylphthalate                 163     14.815  14.822 (0.967)    183572   2.50000      2.264
   40 Acenaphthylene                    152     15.008  15.008 (0.979)    285739   2.50000      2.279
   41 2,6-Dinitrotoluene                165     14.954  14.954 (0.976)     84829   5.00000      4.636
*  42 Acenaphthene-d10                  164     15.325  15.325 (1.000)    287473   4.00000
   43 3-Nitroaniline                    138     15.233  15.240 (0.994)    101865   5.00000      4.581
   44 Acenaphthene                      153     15.387  15.394 (1.004)    171204   2.50000      2.202
   45 2,4-Dinitrophenol                 184     15.449  15.456 (1.008)    111904   10.0000      7.089
   46 Dibenzofuran                      168     15.720  15.719 (1.026)    256638   2.50000      2.201
   47 4-Nitrophenol                     109     15.542  15.549 (1.014)     46049   5.00000      4.287
   48 2,4-Dinitrotoluene                165     15.758  15.765 (1.028)    115038   5.00000      4.583
   50 Diethylphthalate                  149     16.276  16.283 (1.062)    265810   2.50000      2.412
   49 Fluorene                          166     16.431  16.438 (1.072)    299180   2.50000      2.412
   51 4-Chlorophenyl-phenylether        204     16.423  16.423 (1.072)    140924   2.50000      2.320
   52 4-Nitroaniline                    138     16.500  16.515 (1.077)     86874   5.00000      3.224
   53 4,6-Dinitro-2-methylphenol        198     16.608  16.615 (0.904)    170673   10.0000      8.585
   54 N-Nitrosodiphenylamine            169     16.670  16.669 (0.907)    178863   2.50000      2.241
$  55 2,4,6-Tribromophenol              330     16.963  16.970 (1.107)     44278   3.75000      3.235
   56 4-Bromophenyl-phenylether         248     17.425  17.433 (0.949)     66326   2.50000      2.195
   57 Hexachlorobenzene                 284     17.750  17.749 (0.966)     71985   2.50000      2.171
   58 Pentachlorophenol                 266     18.098  18.106 (0.985)     55930   5.00000      3.823
*  59 Phenanthrene-d10                  188     18.369  18.376 (1.000)    465065   4.00000
   60 Phenanthrene                      178     18.416  18.423 (1.003)    265872   2.50000      2.193
   61 Anthracene                        178     18.508  18.516 (1.008)    260860   2.50000      2.254
   62 Carbazole                         167     18.833  18.841 (1.025)    249640   2.50000      2.231
   63 Di-n-butylphthalate               149     19.630  19.630 (1.069)    274468   2.50000      2.138
   64 Fluoranthene                      202     20.798  20.806 (0.889)    285488   2.50000      2.209
   65 Pyrene                            202     21.224  21.231 (0.907)    297779   2.50000      2.191
$  66 Terphenyl-d14                     244     21.503  21.510 (0.919)    215936   2.50000      2.241
   67 Butylbenzylphthalate              149     22.424  22.423 (0.958)    109056   2.50000      2.113
   68 Benzo(a)anthracene                228     23.384  23.384 (0.999)    269372   2.50000      2.215
*  69 Chrysene-d12                      240     23.407  23.415 (1.000)    401380   4.00000
   70 3,3'-Dichlorobenzidine            252     23.330  23.329 (0.997)    239454   7.50000      6.433
   71 Chrysene                          228     23.454  23.461 (1.002)    249845   2.50000      2.175
   72 bis(2-Ethylhexyl)phthalate        149     23.446  23.446 (0.959)    152428   2.50000      2.476
* 134 Di-n-octylphthalate-d4            153     24.437  24.437 (1.000)    554407   4.00000
   73 Di-n-octylphthalate               149     24.445  24.452 (1.000)    299821   2.50000      2.253
   74 Benzo(b)fluoranthene              252     25.304  25.311 (0.969)    257530   2.50000      2.225
   75 Benzo(k)fluoranthene              252     25.350  25.358 (0.971)    254506   2.50000      2.161
   76 Benzo(a)pyrene                    252     25.978  25.985 (0.995)    213449   2.50000      2.219
*  77 Perylene-d12                      264     26.102  26.101 (1.000)    368275   4.00000
   78 Indeno(1,2,3-cd)pyrene            276     28.854  28.869 (1.105)    247263   2.50000      2.261
   79 Dibenzo(a,h)anthracene            278     28.861  28.876 (1.106)    206345   2.50000      2.220
   80 Benzo(g,h,i)perylene              276     29.669  29.684 (1.137)    205907   2.50000      2.247
   90 N-Nitrosodimethylamine             74      4.749   4.749 (0.517)    150851   5.00000      4.737
   91 Aniline                            93      8.627   8.634 (0.939)    287314   5.00000      4.544
   93 Benzidine                         184     21.023  21.030 (0.898)    194169   5.00000      3.890
  103 Pyridine                           79      4.788   4.780 (0.521)    243179   2.50000      2.403
  105 1-methylnaphthalene               142     13.360  13.359 (1.143)    206159   2.50000      2.233
  111 Azobenzene (1,2-DP-Hydrazine)      77     16.747  16.746 (1.093)    251361   2.50000      2.355
```

```
Data File: \\target\share\chem3\nt14.i\20221230.b\NT1422123007.D Page 3
Report Date: 04-Jan-2023 08:10
```

```
                                                                                        AMOUNTS
                                      QUANT SIG                                     CAL-AMT    ON-COL
Compounds                               MASS         RT    EXP RT   REL RT  RESPONSE    (ug/mL)    (ug/mL)
==========================              ====       ==== ======== ======== ========    =======    =======
  187 Total Benzofluoranthenes           252      25.350  25.358 (0.971)    490350    5.00000      4.382
  120 2,3,4,6-Tetrachlorophenol          232      16.052  16.051 (1.047)     43442    2.50000      2.112
```

QC Flag Legend

M - Compound response manually integrated.

Data File: \\target\share\chem3\nt14.i\20221230.b\NT1422123007.D Page 1
Report Date: 04-Jan-2023 08:10

ARI Labs, Inc.

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: nt14.i
Lab File ID: NT1422123007.D
Lab Smp Id: SKL0355-CAL4
Analysis Type: SV
Quant Type: ISTD
Operator: VTS
Method File: \\target\share\chem3\nt14.i\20221230.b\ABN.m
Misc Info:

Calibration Date: 30-DEC-2022
Calibration Time: 08:06
Level:
Sample Type:

Test Mode:
Use Last Continuing Calibrator.

COMPOUND	STANDARD	AREA LIMIT LOWER	 UPPER	SAMPLE	%DIFF
8 1,4-Dichlorobenze	151013	75507	302026	144333	-4.42
27 Naphthalene-d8	553510	276755	1107020	532256	-3.84
42 Acenaphthene-d10	305411	152706	610822	287473	-5.87
59 Phenanthrene-d10	491708	245854	983416	465065	-5.42
69 Chrysene-d12	424740	212370	849480	401380	-5.50
134 Di-n-octylphthala	684951	342476	1369902	554407	-19.06
77 Perylene-d12	395150	197575	790300	368275	-6.80

COMPOUND	STANDARD	RT LIMIT LOWER	 UPPER	SAMPLE	%DIFF
8 1,4-Dichlorobenze	9.18	8.68	9.68	9.18	0.00
27 Naphthalene-d8	11.69	11.19	12.19	11.69	0.00
42 Acenaphthene-d10	15.33	14.83	15.83	15.33	0.00
59 Phenanthrene-d10	18.38	17.88	18.88	18.37	-0.04
69 Chrysene-d12	23.42	22.92	23.92	23.41	-0.03
134 Di-n-octylphthala	24.44	23.94	24.94	24.44	0.00
77 Perylene-d12	26.10	25.60	26.60	26.10	0.00

AREA UPPER LIMIT = +100% of internal standard area.
AREA LOWER LIMIT = - 50% of internal standard area.
RT UPPER LIMIT = + 0.50 minutes of internal standard RT.
RT LOWER LIMIT = - 0.50 minutes of internal standard RT.

```
REVIEW SUMMARY FOR FILE - NT1422123007.D

Lab ID: SKL0355-CAL4
nt14.i,  20221230.b\ABN.m,    30-DEC-2022 11:07


     RT      CO-ELUTION COMPOUNDS
---------------------------------------------------------------------------

            NO CO-ELUTIONS


Quant Method: ICAL



        RRT CHECK

   RRT    CCV RRT   DELTA    COMPOUND
 -------------------------------------

   NONE

  RRT check based on Ccal File: NT1422123002.D

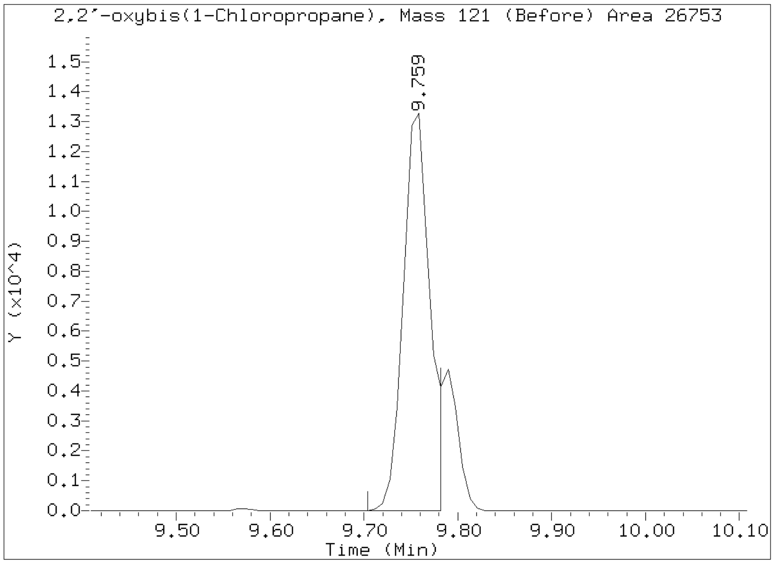

 On Column LOD for nt14.i, 20221230.b\ABN.m, ICAL.sub = 0.0000

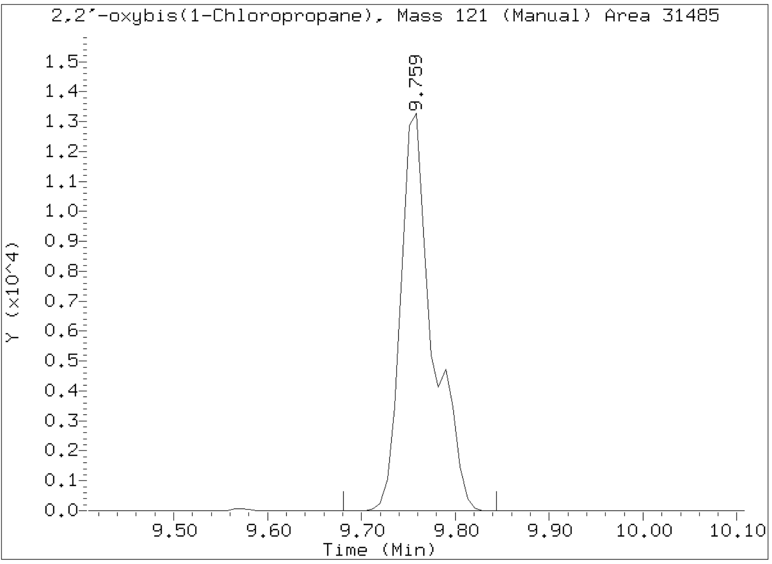


 * Only compounds listed in the work order have been verified by the analyst *
```

Quant Ion Manual Peak Adjustment Report

Datafile: //target/share/chem3/nt14.i/20221230.b/NT1422123007.D
Injection Date: 30-DEC-2022 11:07
Lab ID:SKL0355-CAL4 Client ID:
Report Date: 01/04/2023 08:10


2,2'-oxybis(1-Chloropropane), Mass 121 (Before) Area 26753


2,2'-oxybis(1-Chloropropane), Mass 121 (Manual) Area 31485

Data File: \\target\share\chem3\nt14.i\20221230.b\NT1422123008.D

Date : 30-DEC-2022 11:43

Client ID:

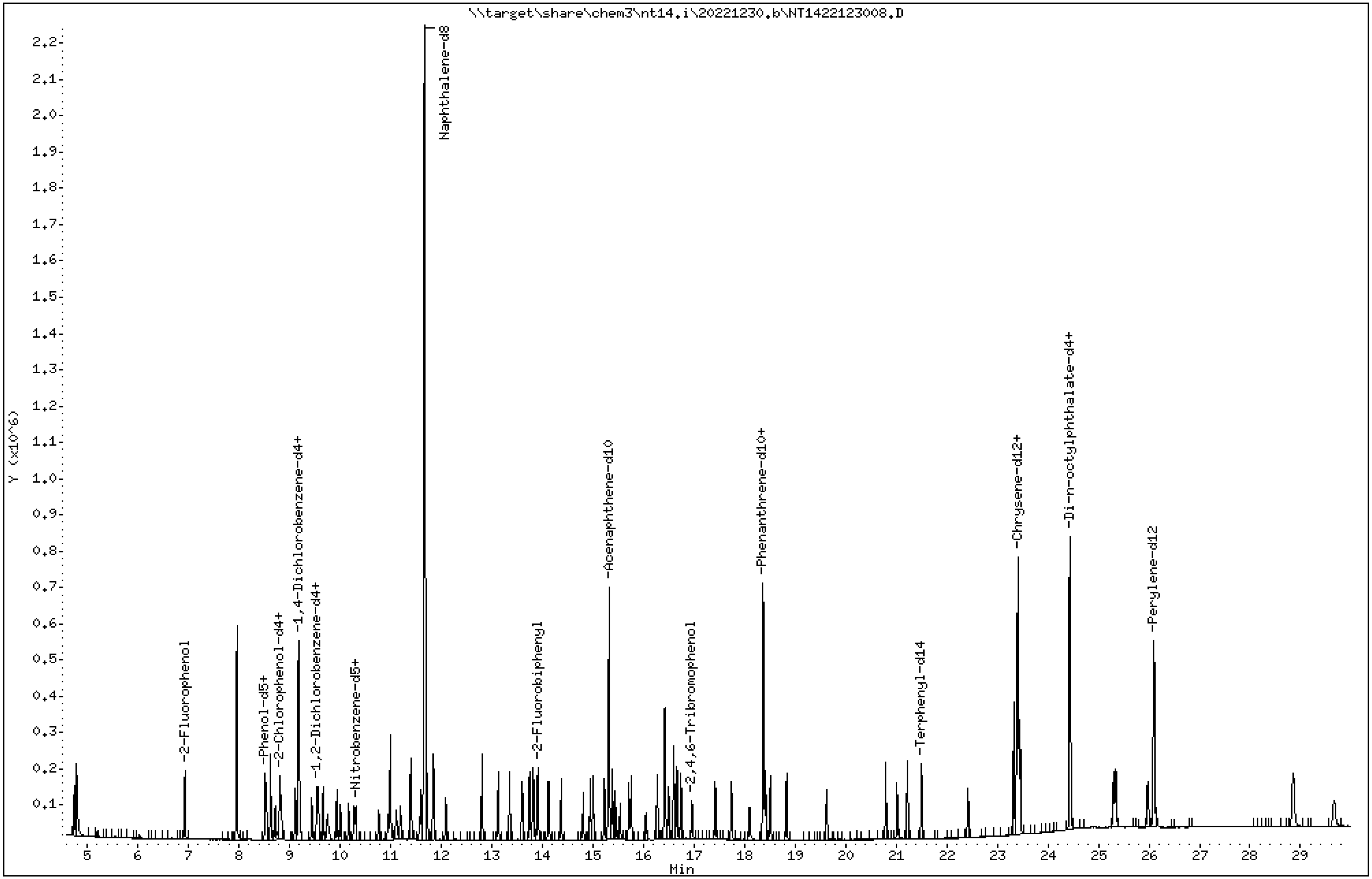
Instrument: nt14.i

Sample Info: SKL0355-CAL3

Operator: VTS

Column phase: ZB-5msi

Column diameter: 0.25



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                                   ARI Labs, Inc.

                       Semivolatile Report SW846 Method 8270D
Data file : \\target\share\chem3\nt14.i\20221230.b\NT1422123008.D
Lab Smp Id: SKL0355-CAL3
Inj Date  : 30-DEC-2022 11:43           MS Autotune Date: 17-MAY-2011 01:22
Operator  : VTS                         Inst ID: nt14.i
Smp Info  : SKL0355-CAL3
Misc Info :
Comment   : 1ul Injection
Method    : \\target\share\chem3\nt14.i\20221230.b\ABN.m
Meth Date : 04-Jan-2023 08:09 van       Quant Type: ISTD
Cal Date  : 30-DEC-2022 11:07           Cal File: NT1422123007.D
Als bottle: 8                           Calibration Sample, Level: 3
Dil Factor: 1.00000
Integrator: HP RTE                      Compound Sublist: ICAL.sub
Target Version:  4.14
Processing Host: VANS-201906


                                                                            AMOUNTS
                                   QUANT SIG                           CAL-AMT   ON-COL
Compounds                            MASS        RT   EXP RT  REL RT  RESPONSE  (ug/mL)   (ug/mL)
==========================           ====      ==== ======== ======== ========  =======   =======
$   1 2-Fluorophenol                  112     6.935   6.934 (0.755)     78205  1.50000     1.648
$   2 Phenol-d5                        99     8.519   8.526 (0.928)     93624  1.50000     1.597
    3 Phenol                           94     8.542   8.549 (0.930)     65367  1.00000    0.9812
$   5 2-Chlorophenol-d4               132     8.812   8.820 (0.960)     79375  1.50000     1.612
    4 Bis(2-Chloroethyl)ether          93     8.720   8.719 (0.949)     49691  1.00000     1.083
    6 2-Chlorophenol                  128     8.843   8.843 (0.963)     52602  1.00000    0.9727
    7 1,3-Dichlorobenzene             146     9.122   9.121 (0.993)     62056  1.00000     1.082
*   8 1,4-Dichlorobenzene-d4          152     9.184   9.183 (1.000)    148086  4.00000
    9 1,4-Dichlorobenzene             146     9.215   9.214 (1.003)     58942  1.00000     1.085
$  10 1,2-Dichlorobenzene-d4          152     9.548   9.548 (1.040)     36481  1.00000     1.084
   12 1,2-Dichlorobenzene             146     9.572   9.571 (1.042)     57726  1.00000     1.083
   11 Benzyl alcohol                  108     9.447   9.447 (1.029)     28898  1.00000    0.9744
   14 2,2'-oxybis(1-Chloropropane)    121     9.758   9.758 (1.063)     16940  1.00000     1.097(M)
   13 2-Methylphenol                  108     9.673   9.672 (1.053)     47025  1.00000    0.9714
   17 Hexachloroethane                117    10.177  10.177 (1.108)     20867  1.00000     1.044
   16 N-Nitroso-di-n-propylamine       70    10.014  10.014 (1.090)     31671  1.00000     1.074
   15 4-Methylphenol                  108     9.937   9.944 (1.082)     49597  1.00000    0.9712
$  18 Nitrobenzene-d5                  82    10.278  10.285 (0.879)     48318  1.00000     1.025
   19 Nitrobenzene                     77    10.317  10.316 (0.883)     48198  1.00000     1.029
   20 Isophorone                       82    10.767  10.774 (0.921)     57818  1.00000    0.9688
   21 2-Nitrophenol                   139    10.953  10.953 (0.937)     24295  1.00000    0.8448
   22 2,4-Dimethylphenol              107    11.000  10.999 (0.941)     93194  2.00000     1.907
   23 Bis(2-Chloroethoxy)methane       93    11.201  11.201 (0.958)     49325  1.00000     1.062
   24 Benzoic acid                    105    11.116  11.201 (0.951)     45663  4.00000     1.530
   25 2,4-Dichlorophenol              162    11.403  11.410 (0.976)     83681  2.00000     2.031
   26 1,2,4-Trichlorobenzene          180    11.604  11.604 (0.993)     46779  1.00000     1.050
*  27 Naphthalene-d8                  136    11.689  11.688 (1.000)    558364  4.00000
   28 Naphthalene                     128    11.727  11.735 (1.003)    144433  1.00000     1.051
   29 4-Chloroaniline                 127    11.851  11.858 (1.014)    115985  2.00000     2.047
   30 Hexachlorobutadiene             225    12.098  12.098 (1.035)     22515  1.00000     1.019
   31 4-Chloro-3-methylphenol         107    12.810  12.818 (1.096)     72624  2.00000     1.868
   32 2-Methylnaphthalene             142    13.135  13.135 (1.124)     97694  1.00000    0.9692
   33 Hexachlorocyclopentadiene       237    13.607  13.607 (0.888)     42360  2.00000     1.942
```

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                                                                                             AMOUNTS
                                      QUANT SIG                                          CAL-AMT    ON-COL
Compounds                               MASS            RT   EXP RT   REL RT  RESPONSE   (ug/mL)    (ug/mL)
==========================              ====          ==== ======== ======== ========   =======    =======
   34 2,4,6-Trichlorophenol              196        13.754  13.754 (0.897)     43504    2.00000      1.807
   35 2,4,5-Trichlorophenol              196        13.824  13.824 (0.902)     51619    2.00000      1.857
$  36 2-Fluorobiphenyl                   172        13.917  13.916 (0.908)    105958    1.00000      1.092
   37 2-Chloronaphthalene                162        14.134  14.133 (0.922)     88589    1.00000      1.073
   38 2-Nitroaniline                      65        14.381  14.389 (0.938)     44387    2.00000      2.046
   39 Dimethylphthalate                  163        14.815  14.822 (0.967)     89258    1.00000      1.097
   40 Acenaphthylene                     152        15.008  15.008 (0.979)    136964    1.00000      1.088
   41 2,6-Dinitrotoluene                 165        14.954  14.954 (0.976)     38770    2.00000      2.111
*  42 Acenaphthene-d10                   164        15.325  15.325 (1.000)    288519    4.00000
   43 3-Nitroaniline                     138        15.233  15.240 (0.994)     45911    2.00000      2.057
   44 Acenaphthene                       153        15.387  15.394 (1.004)     83612    1.00000      1.071
   45 2,4-Dinitrophenol                  184        15.441  15.456 (1.008)     33764    4.00000      2.155
   46 Dibenzofuran                       168        15.712  15.719 (1.025)    117782    1.00000      1.006
   47 4-Nitrophenol                      109        15.542  15.549 (1.014)     17409    2.00000      1.625
   48 2,4-Dinitrotoluene                 165        15.758  15.765 (1.028)     52556    2.00000      2.086
   50 Diethylphthalate                   149        16.276  16.283 (1.062)    126707    1.00000      1.146
   49 Fluorene                           166        16.431  16.438 (1.072)    129205    1.00000      1.038
   51 4-Chlorophenyl-phenylether         204        16.423  16.423 (1.072)     69344    1.00000      1.138
   52 4-Nitroaniline                     138        16.500  16.515 (1.077)     42776    2.00000      1.588
   53 4,6-Dinitro-2-methylphenol         198        16.600  16.615 (0.904)     64046    4.00000      3.211
   54 N-Nitrosodiphenylamine             169        16.662  16.669 (0.907)     88399    1.00000      1.091
$  55 2,4,6-Tribromophenol               330        16.963  16.970 (1.107)     19272    1.50000      1.417
   56 4-Bromophenyl-phenylether          248        17.425  17.433 (0.949)     31852    1.00000      1.038
   57 Hexachlorobenzene                  284        17.750  17.749 (0.966)     36353    1.00000      1.080
   58 Pentachlorophenol                  266        18.106  18.106 (0.986)     18807    2.00000      1.283
*  59 Phenanthrene-d10                   188        18.369  18.376 (1.000)    472142    4.00000
   60 Phenanthrene                       178        18.416  18.423 (1.003)    132224    1.00000      1.074
   61 Anthracene                         178        18.508  18.516 (1.008)    123375    1.00000      1.050
   62 Carbazole                          167        18.833  18.841 (1.025)    121783    1.00000      1.072
   63 Di-n-butylphthalate                149        19.630  19.630 (1.069)    117464    1.00000     0.9106
   64 Fluoranthene                       202        20.798  20.806 (0.889)    133546    1.00000      1.051
   65 Pyrene                             202        21.224  21.231 (0.907)    140647    1.00000      1.052
$  66 Terphenyl-d14                      244        21.503  21.510 (0.919)    104935    1.00000      1.107
   67 Butylbenzylphthalate               149        22.424  22.423 (0.958)     44722    1.00000     0.8852
   68 Benzo(a)anthracene                 228        23.384  23.384 (0.999)    126915    1.00000      1.061
*  69 Chrysene-d12                       240        23.407  23.415 (1.000)    394732    4.00000
   70 3,3'-Dichlorobenzidine             252        23.330  23.329 (0.997)    116096    3.00000      3.172
   71 Chrysene                           228        23.454  23.461 (1.002)    119934    1.00000      1.062
   72 bis(2-Ethylhexyl)phthalate         149        23.446  23.446 (0.959)     62196    1.00000      1.063
* 134 Di-n-octylphthalate-d4             153        24.437  24.437 (1.000)    526757    4.00000
   73 Di-n-octylphthalate                149        24.445  24.452 (1.000)    139891    1.00000      1.106
   74 Benzo(b)fluoranthene               252        25.304  25.311 (0.969)    122221    1.00000      1.050
   75 Benzo(k)fluoranthene               252        25.343  25.358 (0.971)    118692    1.00000      1.002
   76 Benzo(a)pyrene                     252        25.978  25.985 (0.995)     96768    1.00000     0.9998
*  77 Perylene-d12                       264        26.102  26.101 (1.000)    370479    4.00000
   78 Indeno(1,2,3-cd)pyrene             276        28.854  28.869 (1.105)    112553    1.00000      1.023
   79 Dibenzo(a,h)anthracene             278        28.861  28.876 (1.106)     95101    1.00000      1.017
   80 Benzo(g,h,i)perylene               276        29.661  29.684 (1.136)     94498    1.00000      1.025
   90 N-Nitrosodimethylamine              74         4.749   4.749 (0.517)     72560    2.00000      2.221
   91 Aniline                             93         8.627   8.634 (0.939)    135629    2.00000      2.091
   93 Benzidine                          184        21.023  21.030 (0.898)     95074    2.00000      1.953
  103 Pyridine                            79         4.796   4.780 (0.522)    120877    1.00000      1.164
  105 1-methylnaphthalene                142        13.360  13.359 (1.143)     93920    1.00000     0.9698
  111 Azobenzene (1,2-DP-Hydrazine)       77        16.747  16.746 (1.093)    119515    1.00000      1.115
```

```
                                                                                         AMOUNTS
                                     QUANT SIG                                       CAL-AMT    ON-COL
Compounds                              MASS         RT    EXP RT   REL RT  RESPONSE   (ug/mL)    (ug/mL)
==========================             ====       ==== ======== ======== ========   =======    =======
  187 Total Benzofluoranthenes          252      25.304  25.358 (0.969)    230465   2.00000      2.047
  120 2,3,4,6-Tetrachlorophenol         232      16.052  16.051 (1.047)     16275   1.00000     0.7969
```

QC Flag Legend

M - Compound response manually integrated.

```
Data File: \\target\share\chem3\nt14.i\20221230.b\NT1422123008.D Page 1
Report Date: 04-Jan-2023 08:10

                                  ARI Labs, Inc.

                            INTERNAL STANDARD COMPOUNDS
                                AREA AND RT SUMMARY

Instrument ID: nt14.i                           Calibration Date: 30-DEC-2022
Lab File ID: NT1422123008.D                     Calibration Time: 08:06
Lab Smp Id: SKL0355-CAL3
Analysis Type: SV                                     Level:
Quant Type: ISTD                                Sample Type:
Operator: VTS
Method File: \\target\share\chem3\nt14.i\20221230.b\ABN.m
Misc Info:

Test Mode:
           Use Last Continuing Calibrator.

|______________________|___________|__________AREA LIMIT_|___________|________|
 COMPOUND                STANDARD      LOWER      UPPER      SAMPLE    %DIFF
====================== ========== ========== ========== ========== =======
  8 1,4-Dichlorobenze     151013      75507     302026     148086   -1.94
 27 Naphthalene-d8        553510     276755    1107020     558364    0.88
 42 Acenaphthene-d10      305411     152706     610822     288519   -5.53
 59 Phenanthrene-d10      491708     245854     983416     472142   -3.98
 69 Chrysene-d12          424740     212370     849480     394732   -7.07
134 Di-n-octylphthala     684951     342476    1369902     526757  -23.10
 77 Perylene-d12          395150     197575     790300     370479   -6.24
|______________________|___________|___________|__________|___________|________|


|______________________|___________|___________RT LIMIT__|___________|________|
 COMPOUND                STANDARD      LOWER      UPPER      SAMPLE    %DIFF
====================== ========== ========== ========== ========== =======
  8 1,4-Dichlorobenze       9.18       8.68       9.68       9.18    0.00
 27 Naphthalene-d8         11.69      11.19      12.19      11.69    0.00
 42 Acenaphthene-d10       15.33      14.83      15.83      15.33    0.00
 59 Phenanthrene-d10       18.38      17.88      18.88      18.37   -0.04
 69 Chrysene-d12           23.42      22.92      23.92      23.41   -0.03
134 Di-n-octylphthala      24.44      23.94      24.94      24.44    0.00
 77 Perylene-d12           26.10      25.60      26.60      26.10    0.00
|______________________|___________|___________|__________|___________|________|

AREA UPPER LIMIT = +100% of internal standard area.
AREA LOWER LIMIT = - 50% of internal standard area.
RT UPPER LIMIT = + 0.50 minutes of internal standard RT.
RT LOWER LIMIT = - 0.50 minutes of internal standard RT.
```

```
REVIEW SUMMARY FOR FILE - NT1422123008.D

Lab ID: SKL0355-CAL3
nt14.i,  20221230.b\ABN.m,    30-DEC-2022 11:43


     RT      CO-ELUTION COMPOUNDS
---------------------------------------------------------------------------

            NO CO-ELUTIONS


Quant Method: ICAL



        RRT CHECK

   RRT    CCV RRT   DELTA    COMPOUND
 -------------------------------------

  0.951    0.958   -0.0073   Benzoic acid

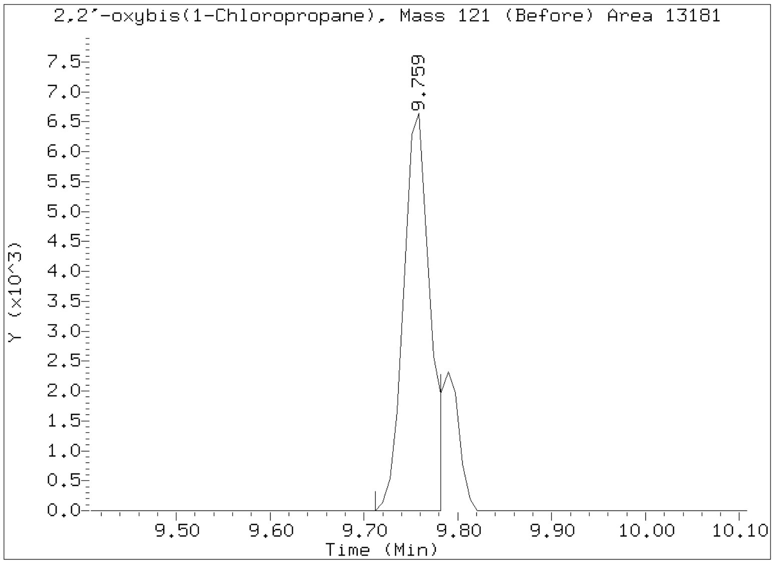
  RRT check based on Ccal File: NT1422123002.D

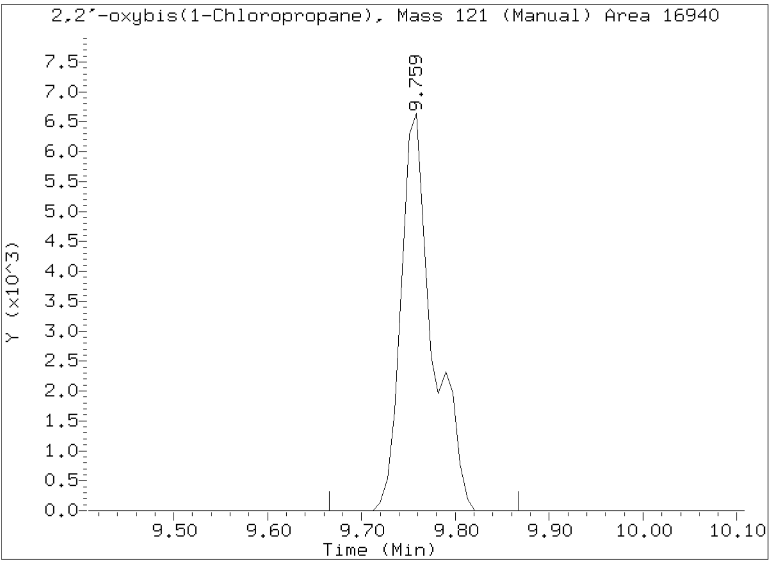

 On Column LOD for nt14.i, 20221230.b\ABN.m, ICAL.sub = 0.0000


 * Only compounds listed in the work order have been verified by the analyst *
```

Quant Ion Manual Peak Adjustment Report

Datafile: //target/share/chem3/nt14.i/20221230.b/NT1422123008.D
Injection Date: 30-DEC-2022 11:43
Lab ID:SKL0355-CAL3 Client ID:
Report Date: 01/04/2023 08:10





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Date : 30-DEC-2022 13:31

Client ID:

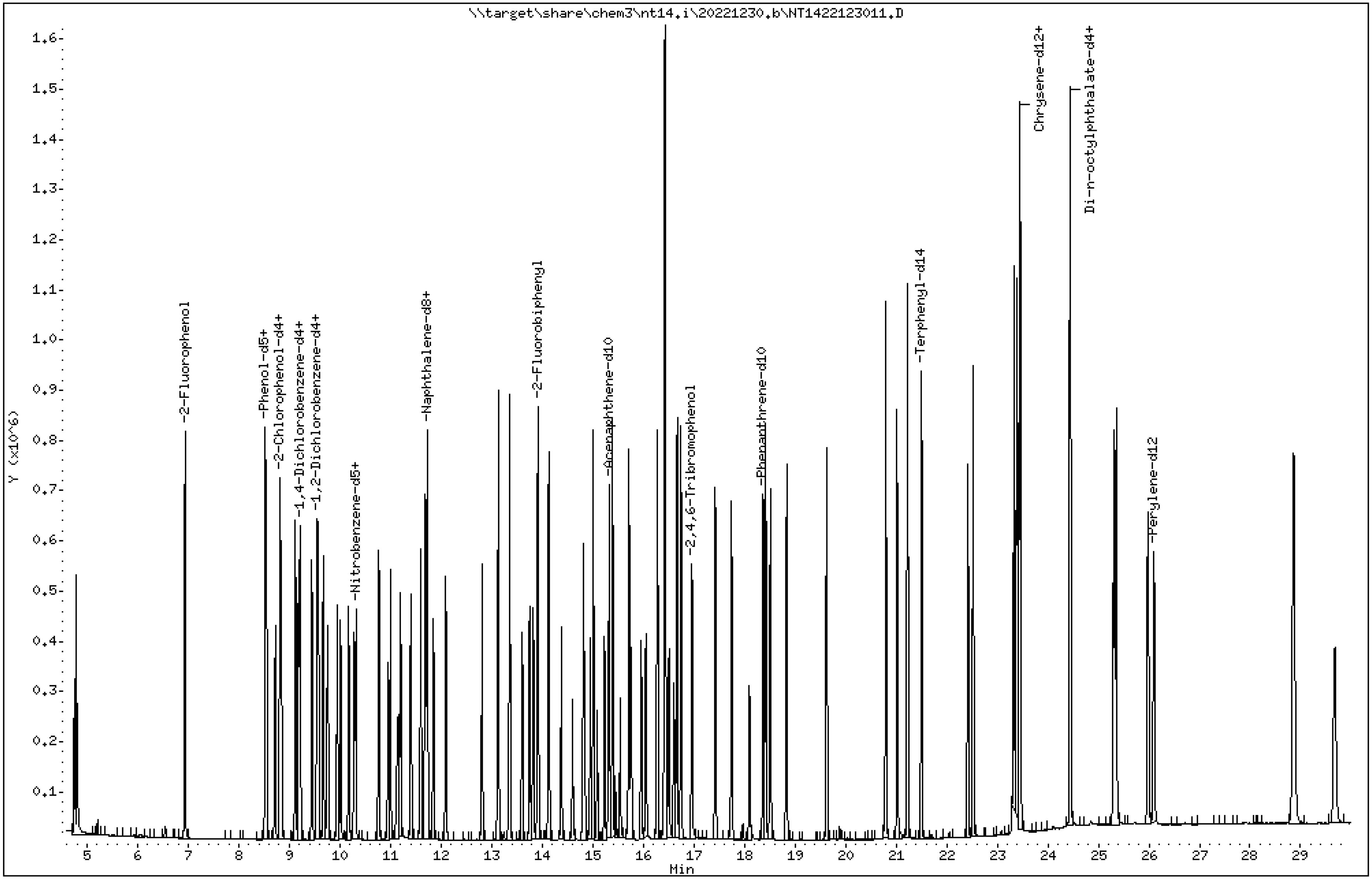
Sample Info: SKL0355-SCV1

Column phase: ZB-5msi

Instrument: nt14.i

Operator: VTS

Column diameter: 0.25



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Date : 30-DEC-2022 13:31

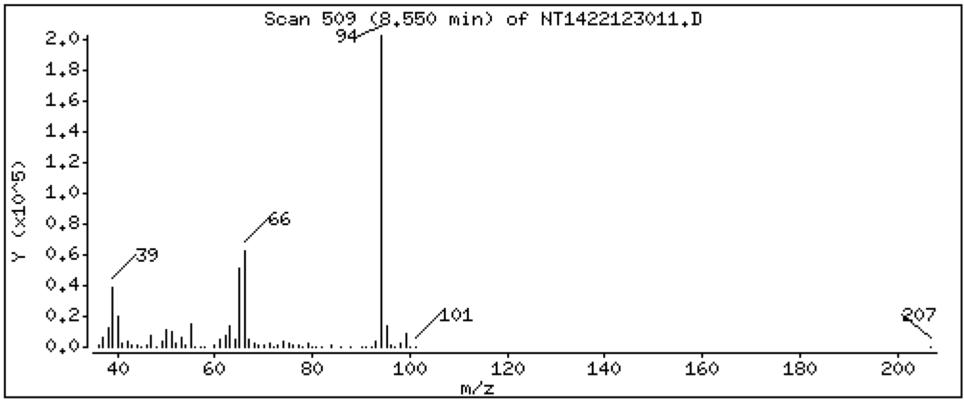
Client ID: Instrument: nt14.i

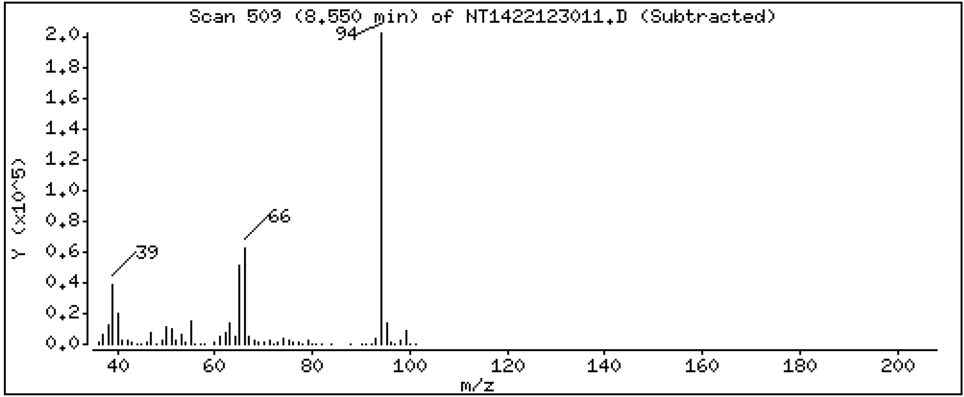
Sample Info: SKL0355-SCV1

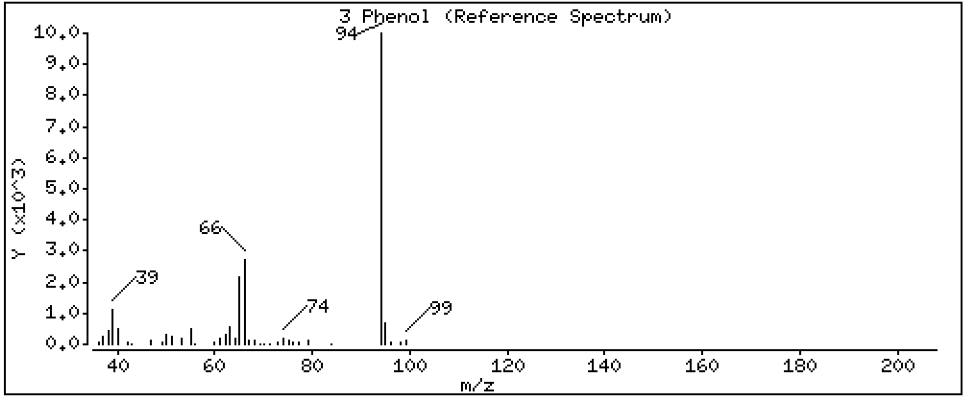
Operator: VTS

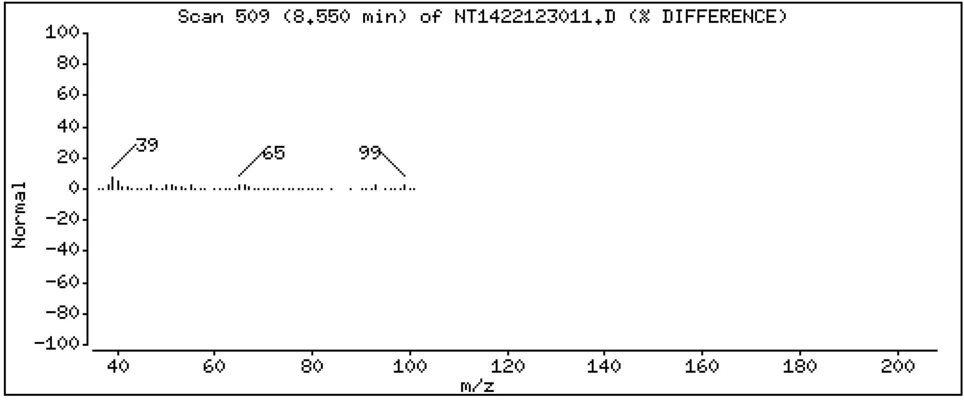
Column phase: ZB-5msi Column diameter: 0.25

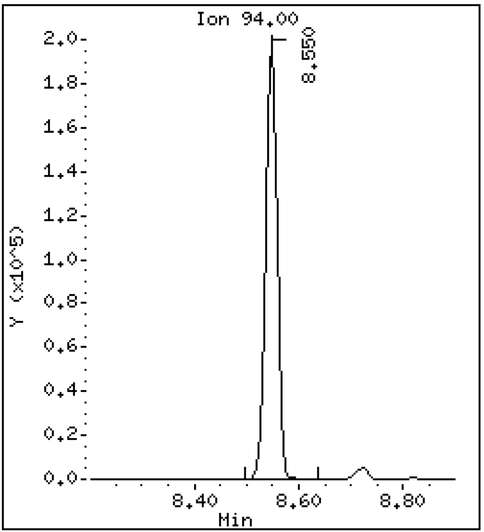
3 Phenol Concentration: 4.351 ug/mL

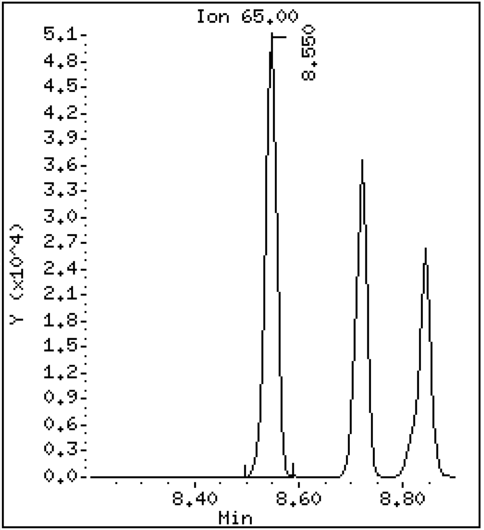


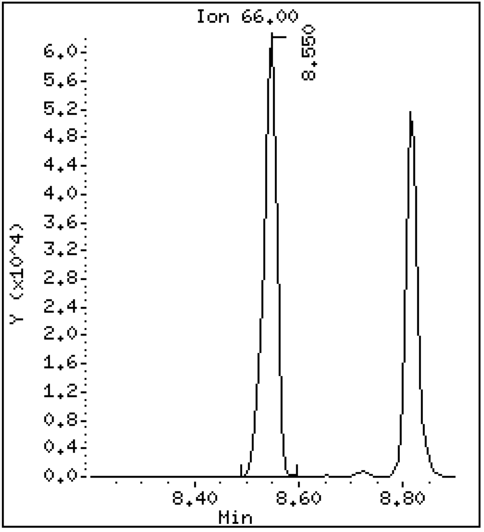












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Date : 30-DEC-2022 13:31

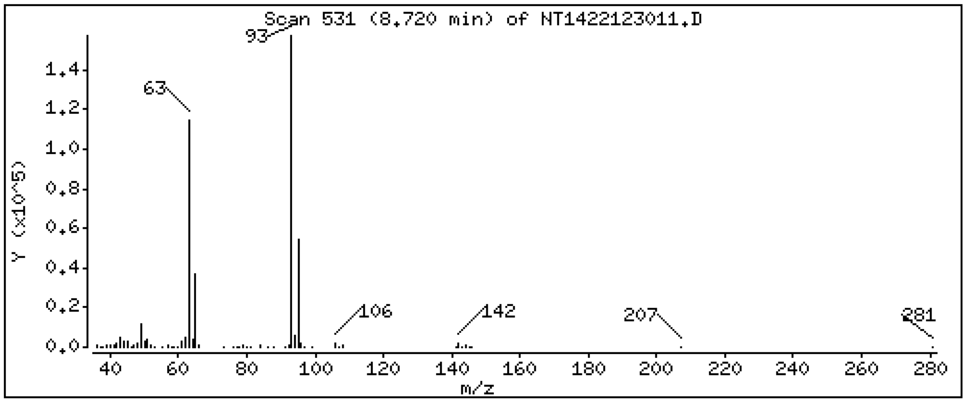
Client ID: Instrument: nt14.i

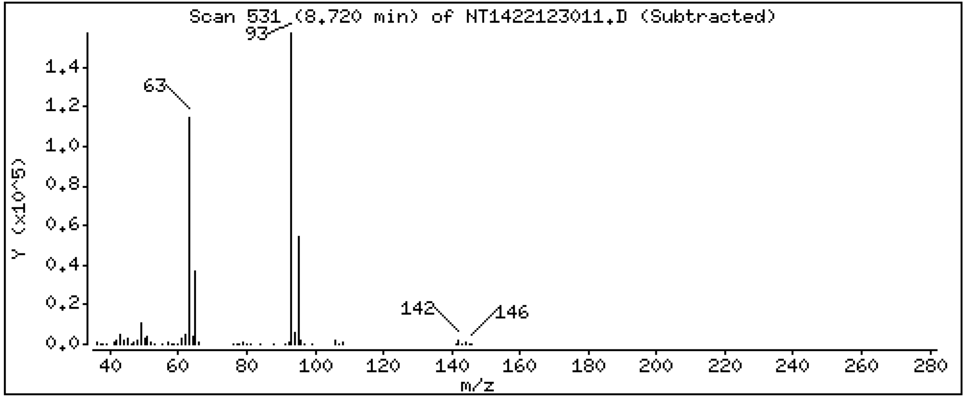
Sample Info: SKL0355-SCV1

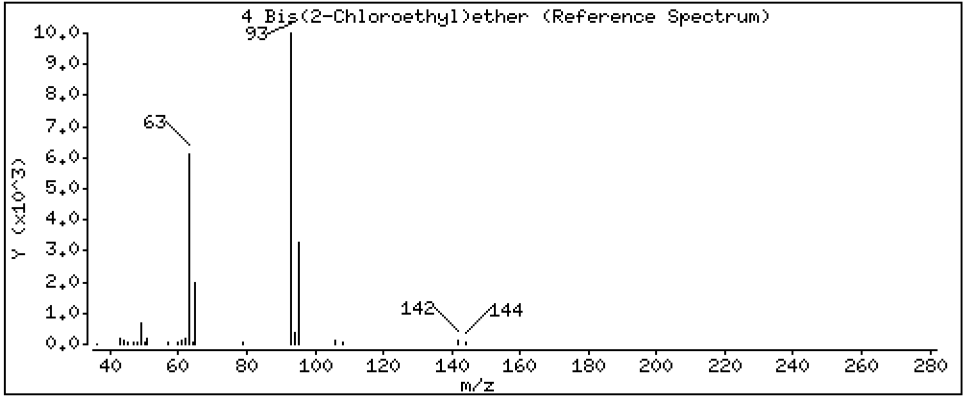
Operator: VTS

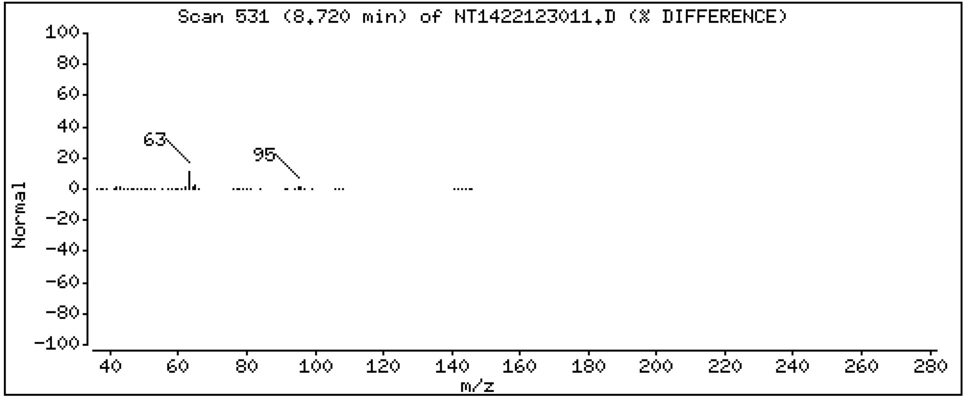
Column phase: ZB-5msi Column diameter: 0.25

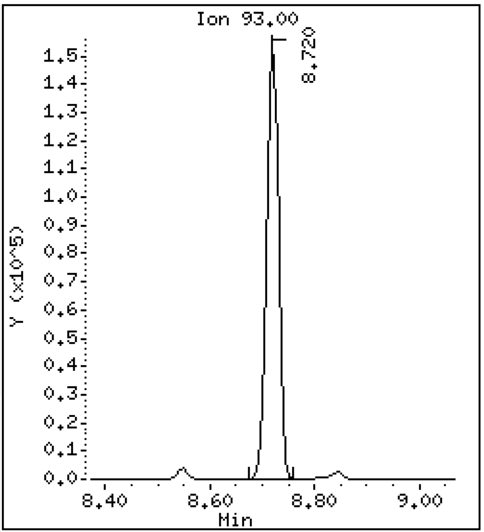
4 Bis(2-Chloroethyl)ether Concentration: 5.095 ug/mL

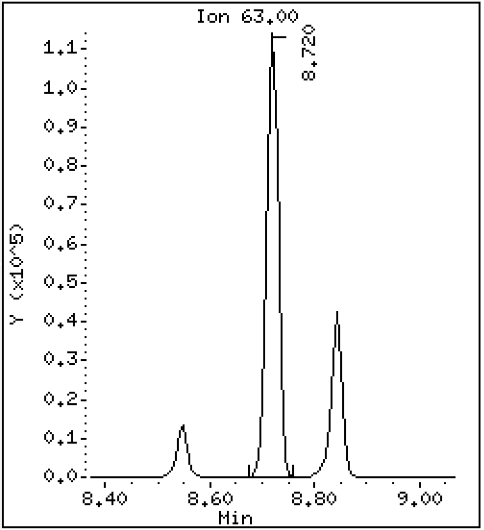


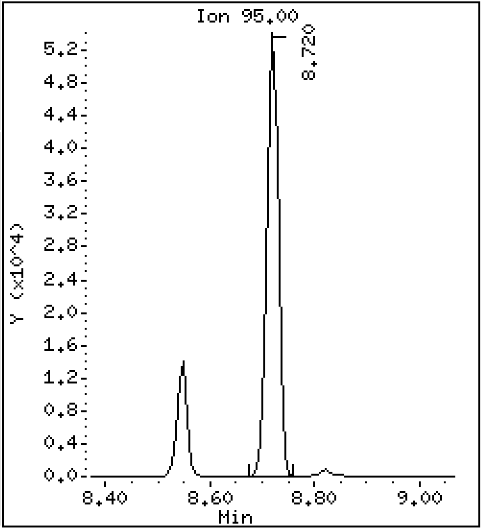












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Date : 30-DEC-2022 13:31

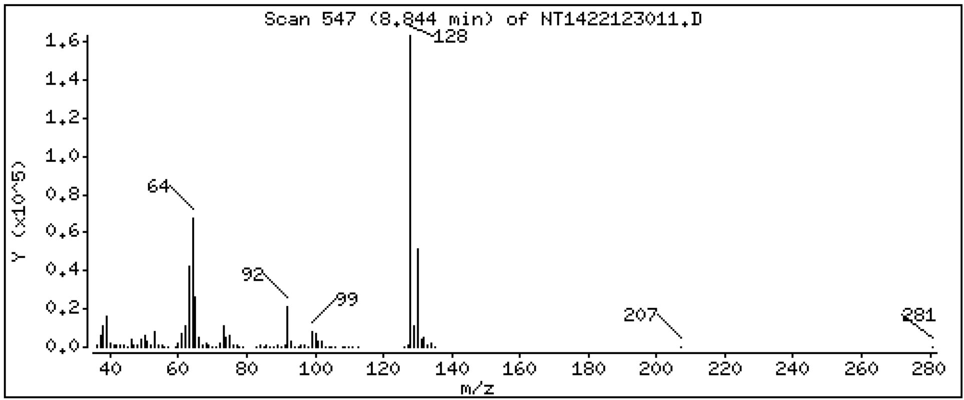
Client ID: Instrument: nt14.i

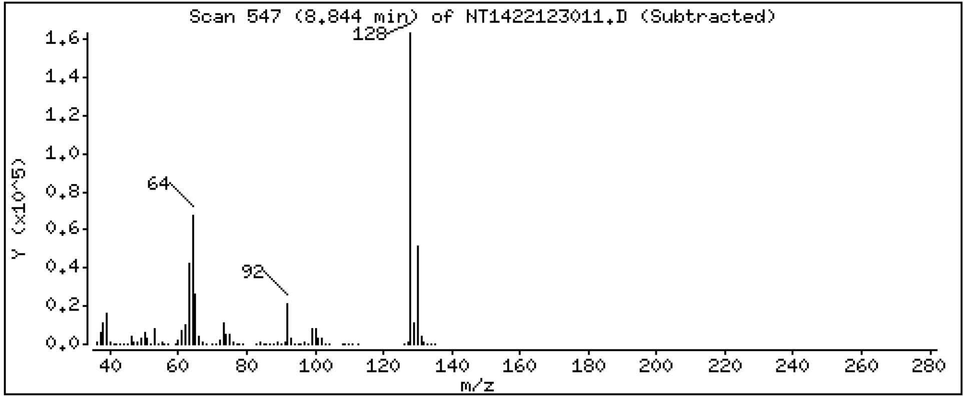
Sample Info: SKL0355-SCV1

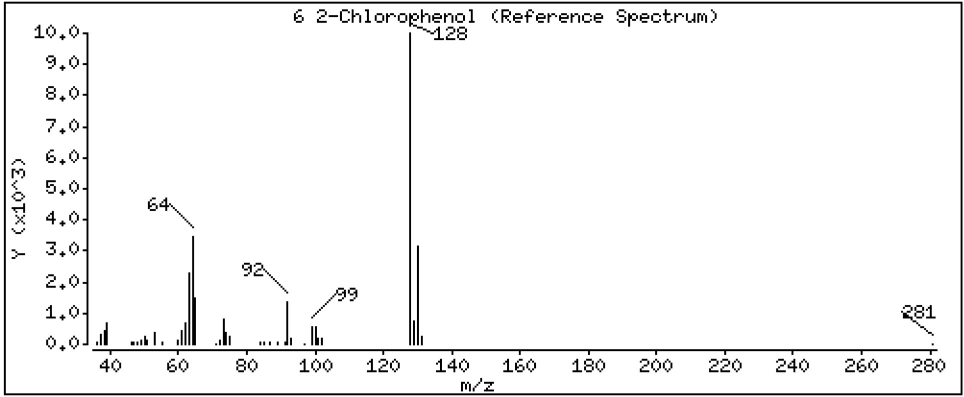
Operator: VTS

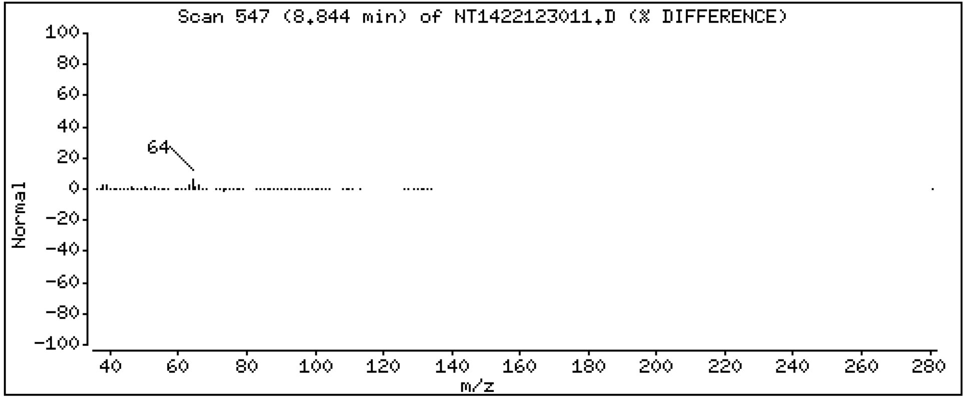
Column phase: ZB-5msi Column diameter: 0.25

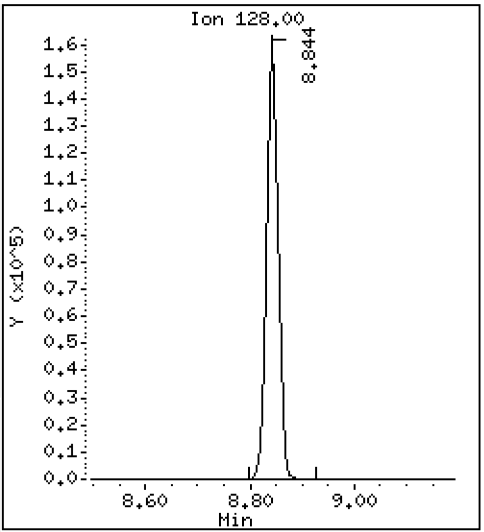
6 2-Chlorophenol Concentration: 4.461 ug/mL

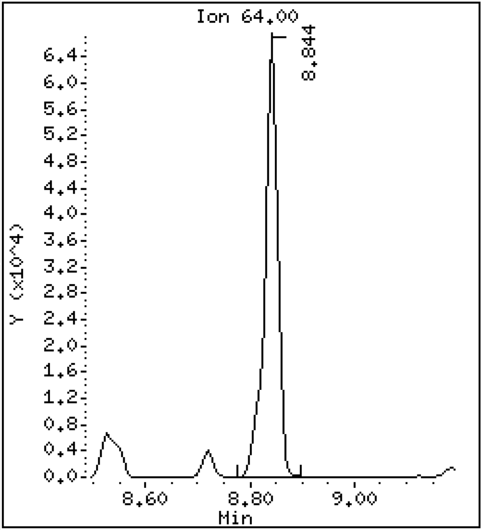


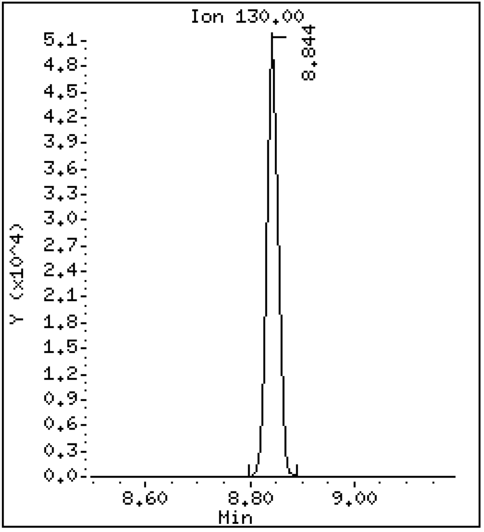












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Date : 30-DEC-2022 13:31

Client ID:

Instrument: nt14.i

Sample Info: SKL0355-SCV1

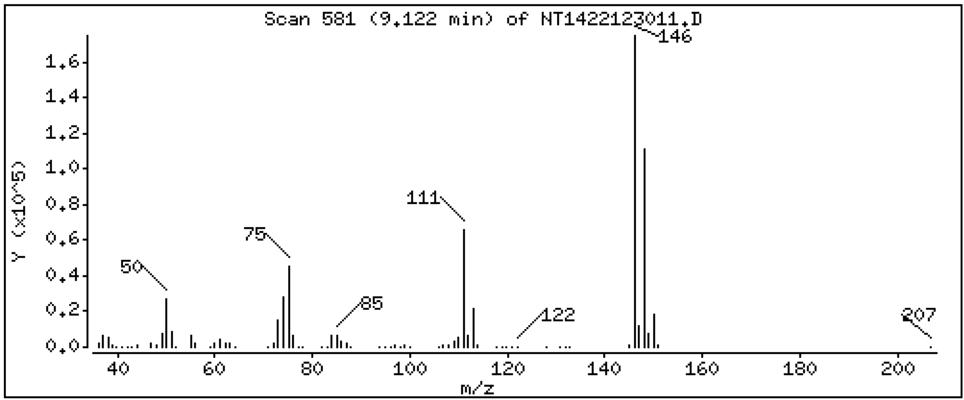
Operator: VTS

Column phase: ZB-5msi

Column diameter: 0.25

7 1,3-Dichlorobenzene

Concentration: 4.754 ug/mL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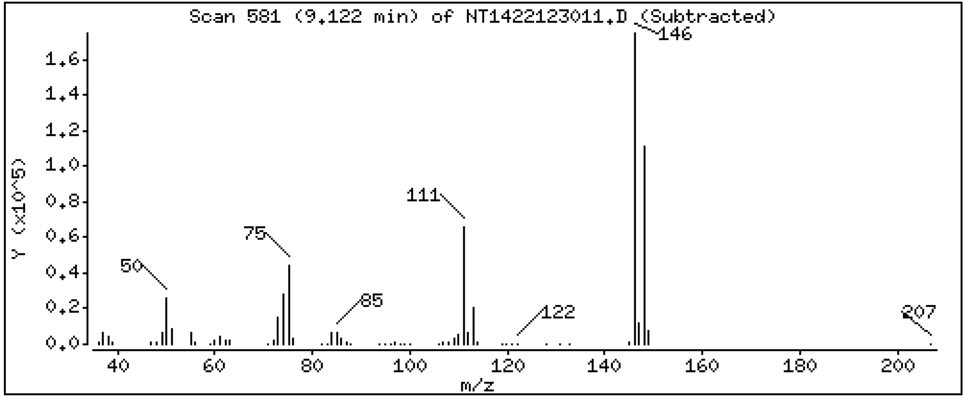
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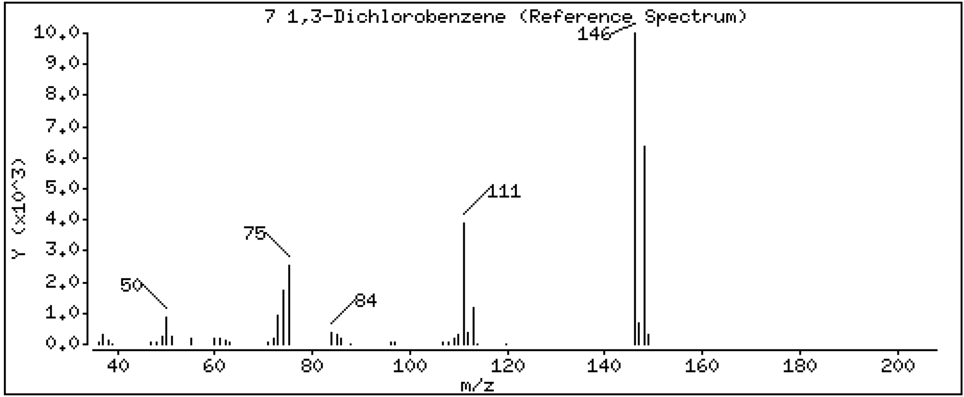
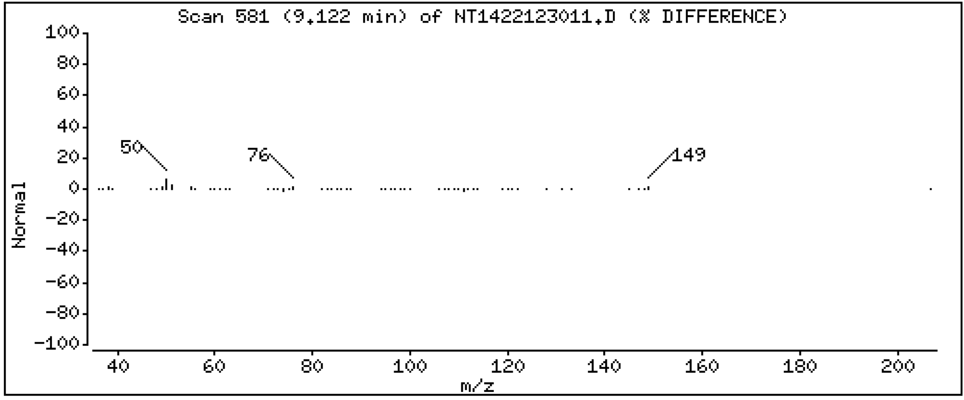

7 1,3-Dichlorobenzene (Reference Spectrum)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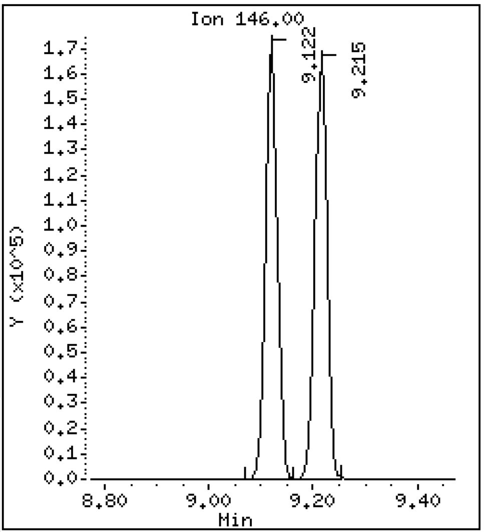
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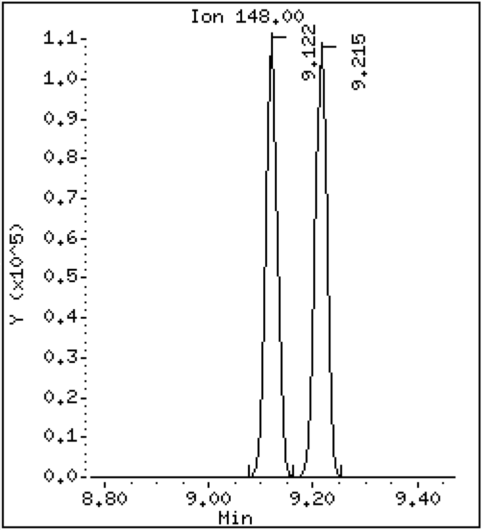
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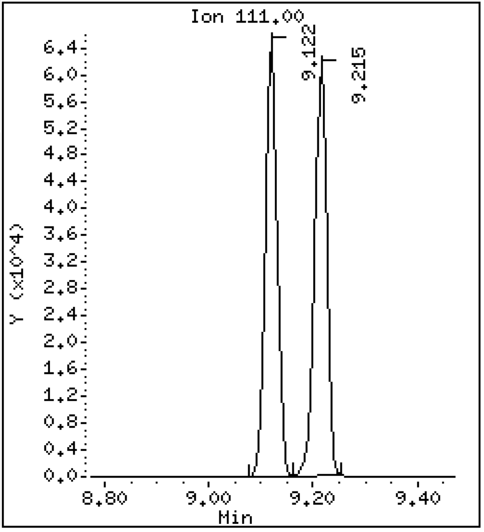

Ion 111.00

Data File: \\target\share\chem3\nt14.i\20221230.b\NT1422123011.D Page 6

Date : 30-DEC-2022 13:31

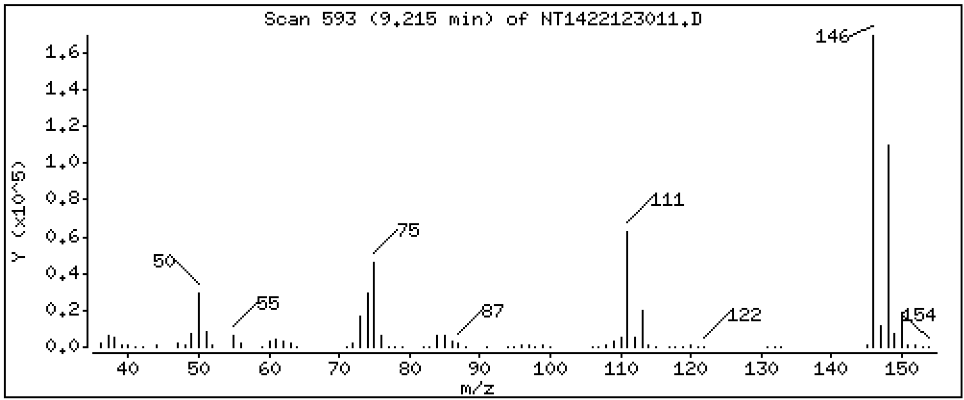
Client ID: Instrument: nt14.i

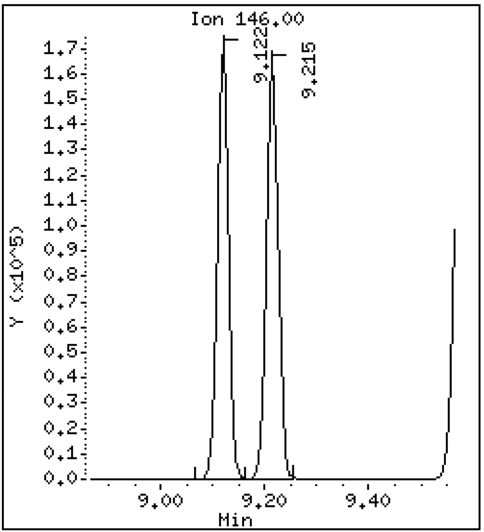
Sample Info: SKL0355-SCV1

Operator: VTS

Column phase: ZB-5msi Column diameter: 0.25

9 1,4-Dichlorobenzene Concentration: 4.773 ug/mL


Scan 593 (9.215 min) of NT1422123011.D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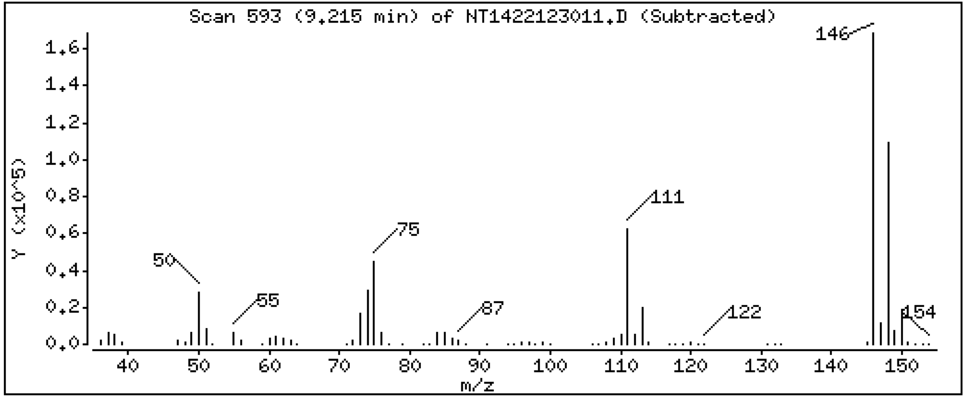
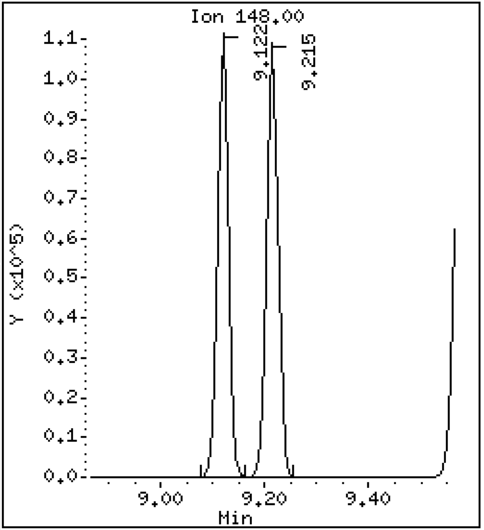
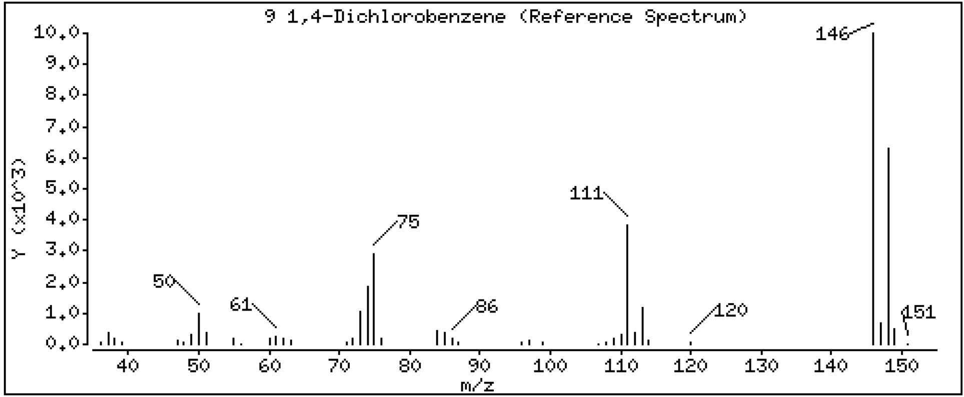
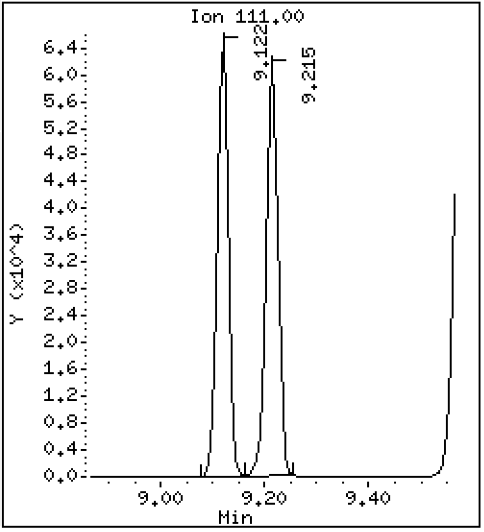

Scan 593 (9.215 min) of NT1422123011.D (Subtracted)


Ion 148.00


9 1,4-Dichlorobenzene (Reference Spectrum)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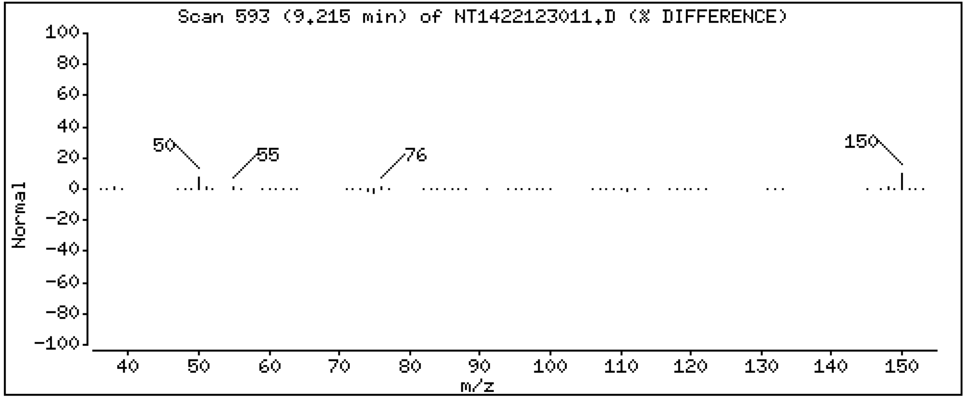

Scan 593 (9.215 min) of NT1422123011.D (% DIFFERENCE)

Data File: \\target\share\chem3\nt14.i\20221230.b\NT1422123011.D Page 7

Date : 30-DEC-2022 13:31

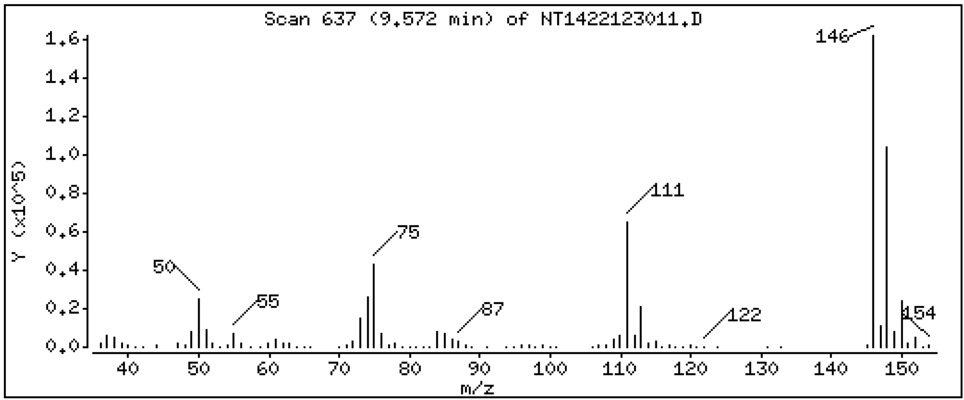
Client ID: Instrument: nt14.i

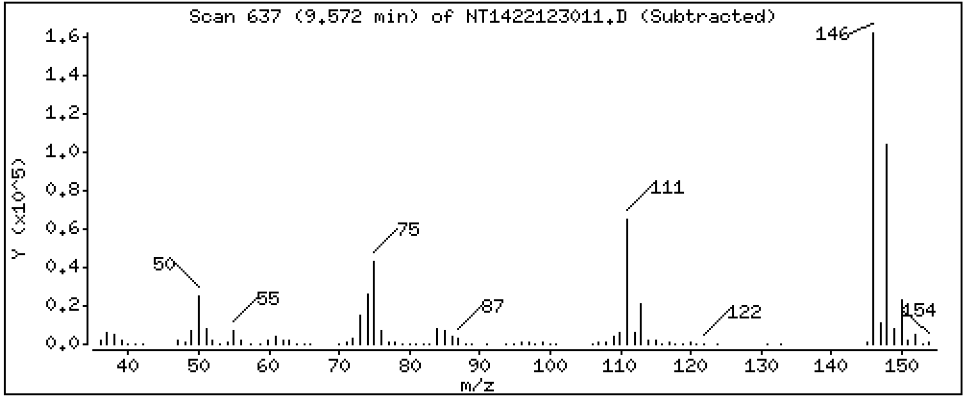
Sample Info: SKL0355-SCV1

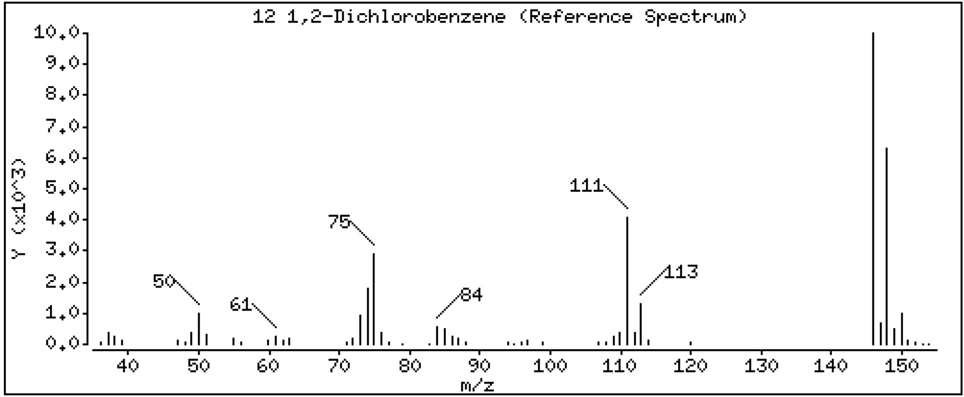
Operator: VTS

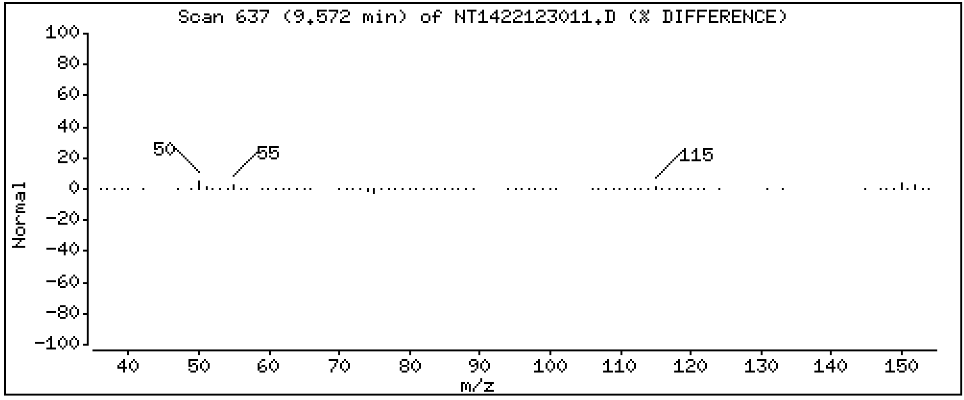
Column phase: ZB-5msi Column diameter: 0.25

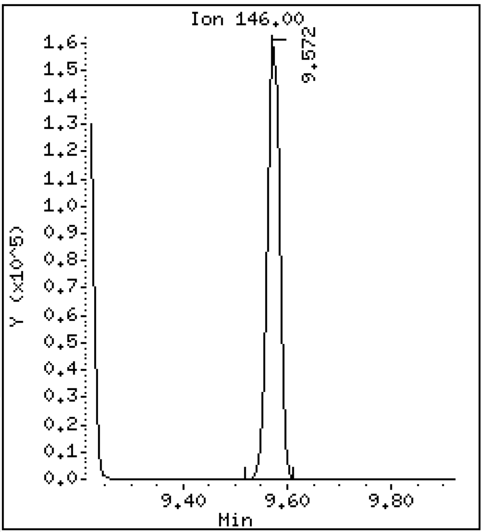
12 1,2-Dichlorobenzene Concentration: 4.767 ug/mL

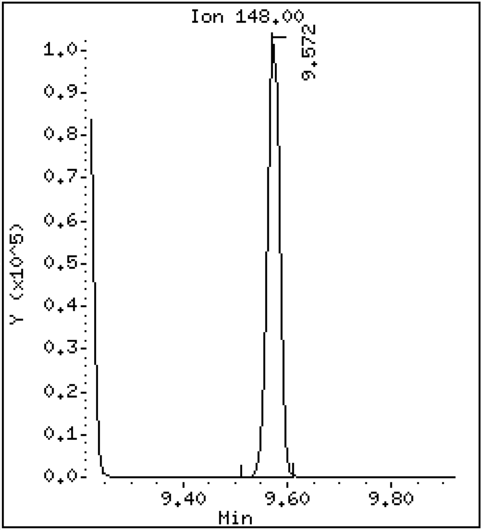


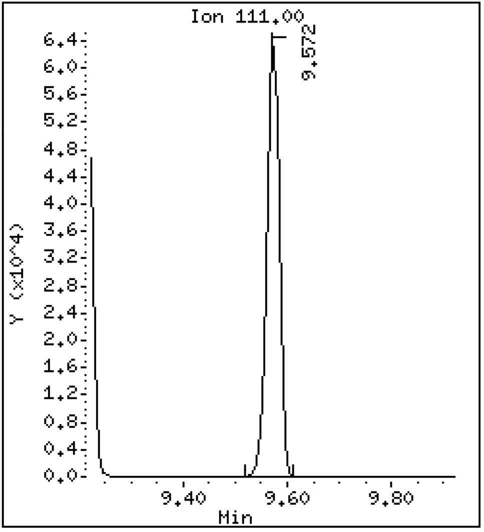












Data File: \\target\share\chem3\nt14.i\20221230.b\NT1422123011.D

Date : 30-DEC-2022 13:31

Client ID:

Instrument: nt14.i

Sample Info: SKL0355-SCV1

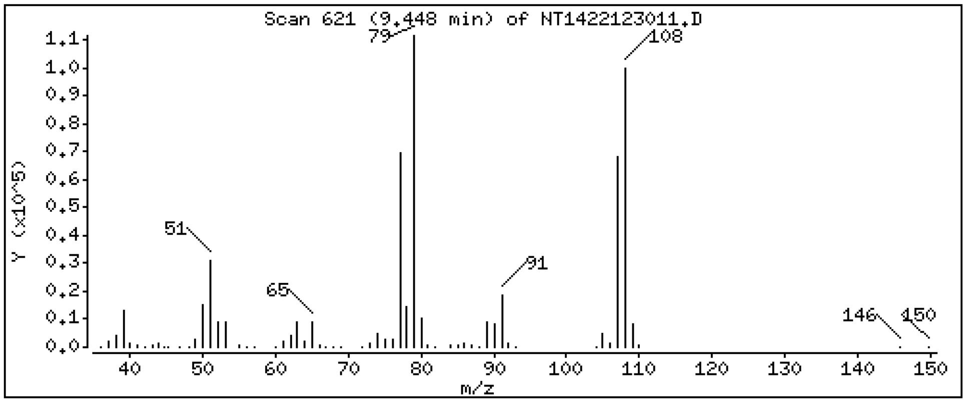
Operator: VTS

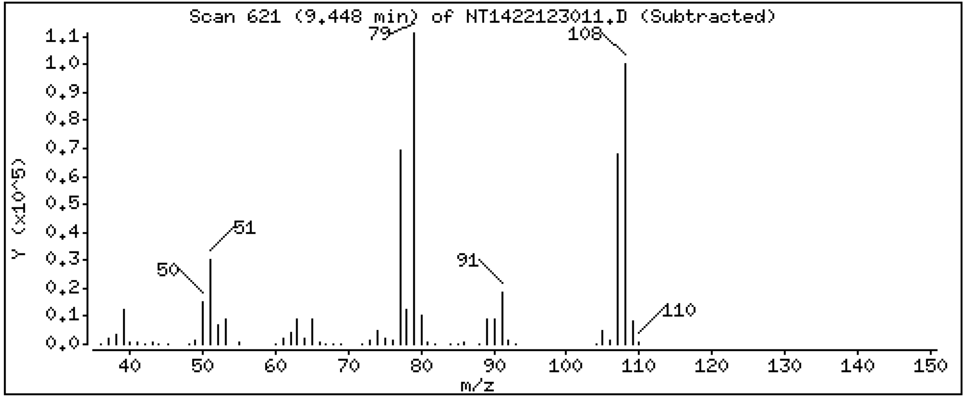
Column phase: ZB-5msi

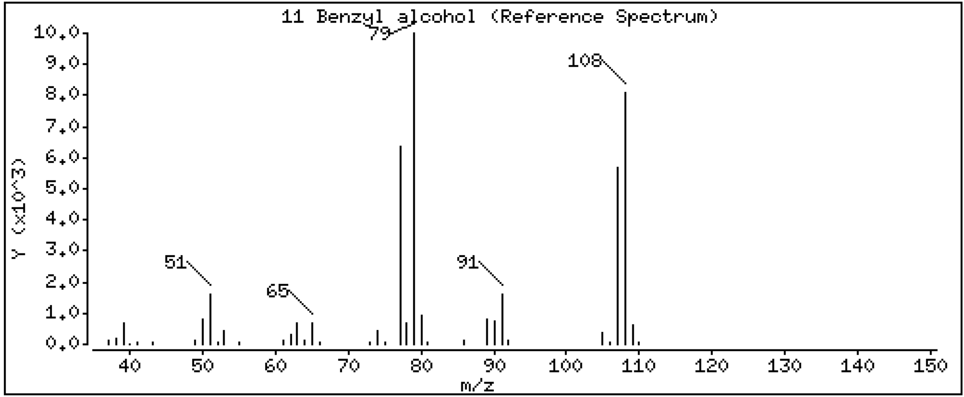
Column diameter: 0.25

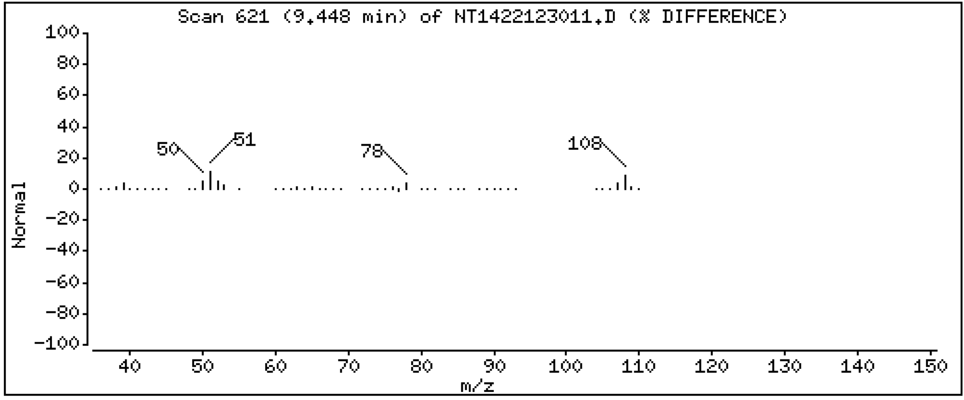
11 Benzyl alcohol

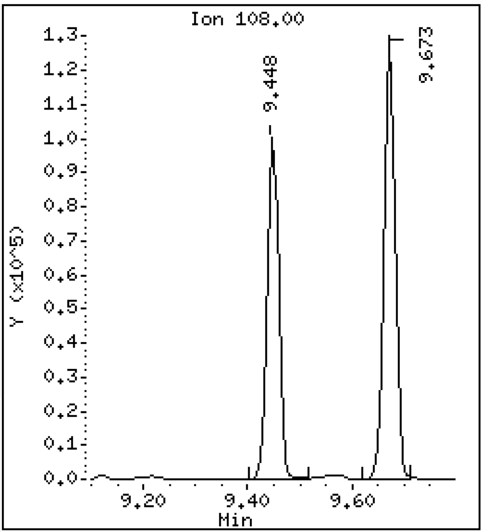
Concentration: 4.980 ug/mL


Scan 621 (9.448 min) of NT1422123011.D


Scan 621 (9.448 min) of NT1422123011.D (Subtracted)


11 Benzyl alcohol (Reference Spectrum)


Scan 621 (9.448 min) of NT1422123011.D (% DIFFERENCE)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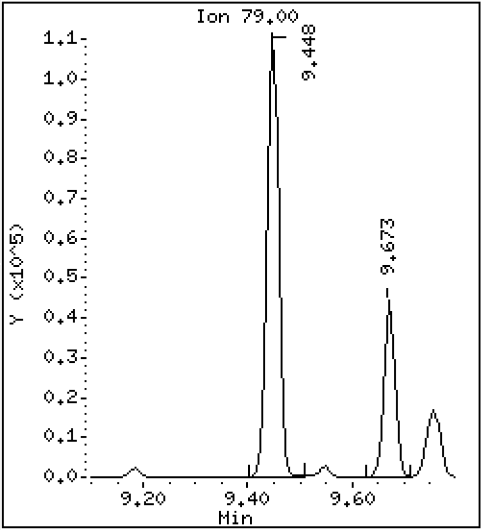
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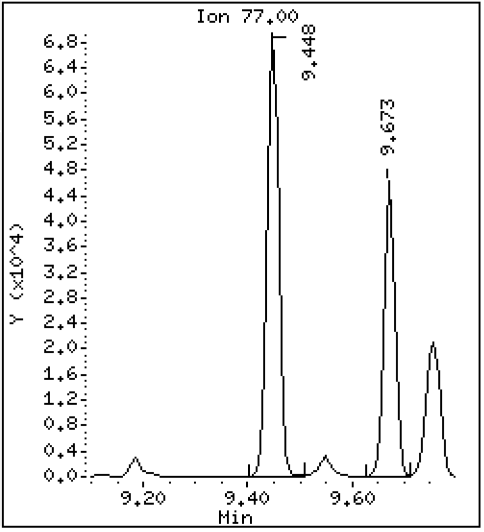

Ion 77.00

Data File: \\target\share\chem3\nt14.i\20221230.b\NT1422123011.D

Date : 30-DEC-2022 13:31

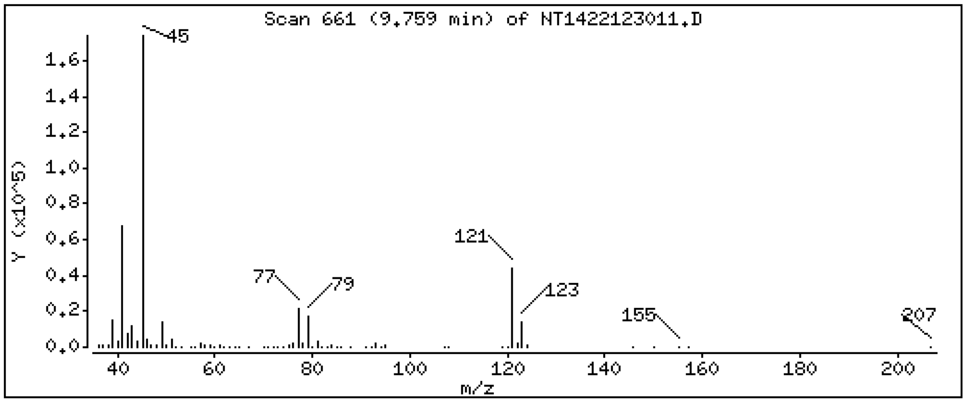
Client ID: Instrument: nt14.i

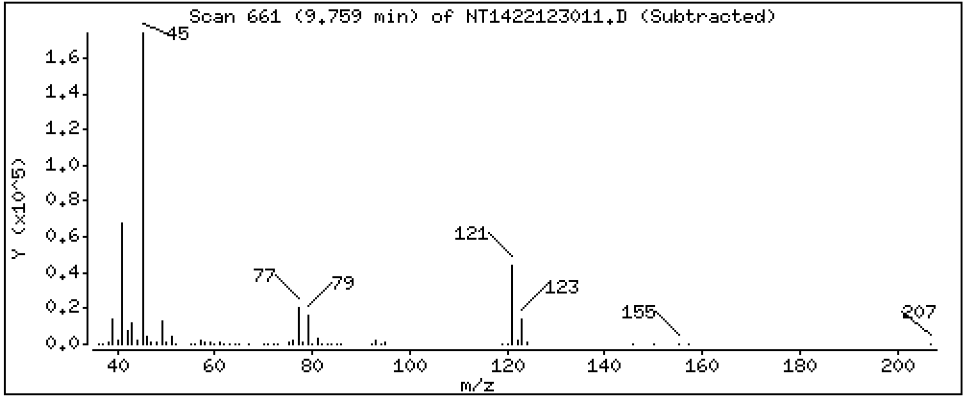
Sample Info: SKL0355-SCV1

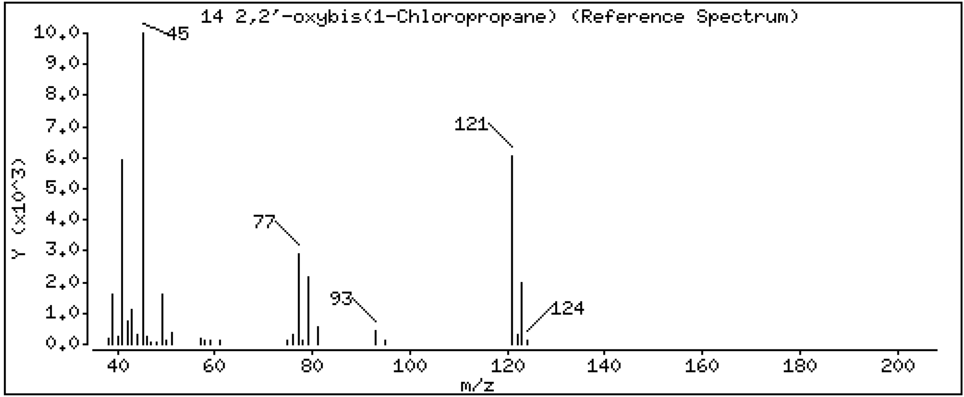
Operator: VTS

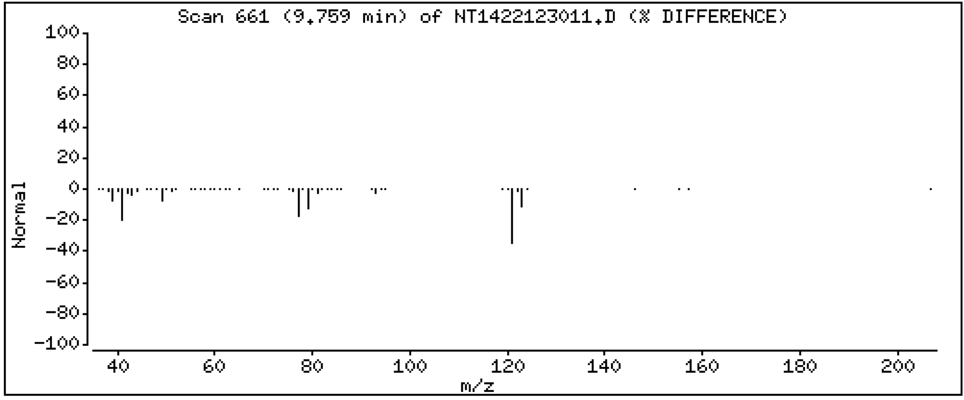
Column phase: ZB-5msi Column diameter: 0.25

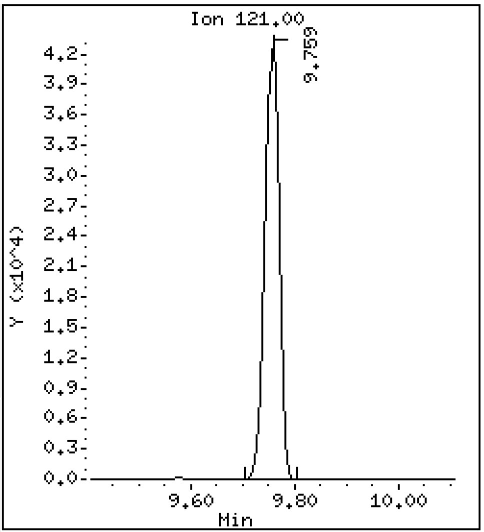
14 2,2'-oxybis(1-Chloropropane) Concentration: 5.193 ug/mL


Scan 661 (9.759 min) of NT1422123011.D


Scan 661 (9.759 min) of NT1422123011.D (Subtracted)


14 2,2'-oxybis(1-Chloropropane) (Reference Spectrum)


Scan 661 (9.759 min) of NT1422123011.D (% DIFFERENCE)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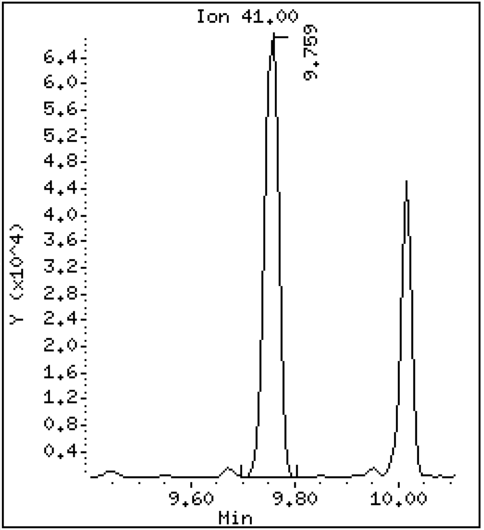
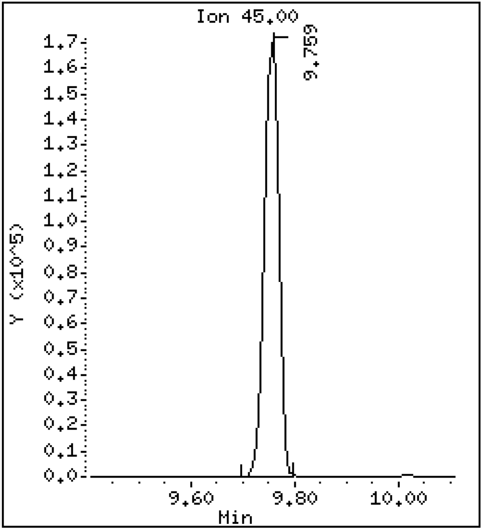

Ion 41.00


Ion 45.00

Date : 30-DEC-2022 13:31

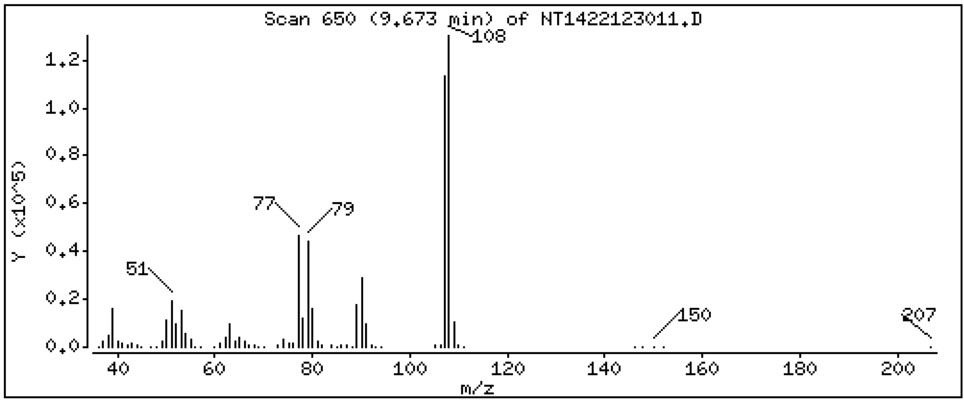
Client ID: Instrument: nt14.i

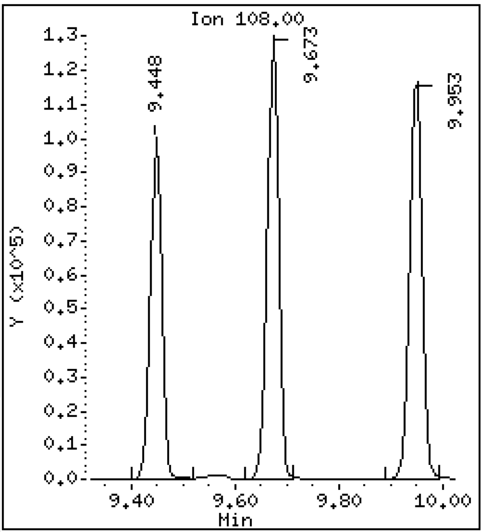
Sample Info: SKL0355-SCV1

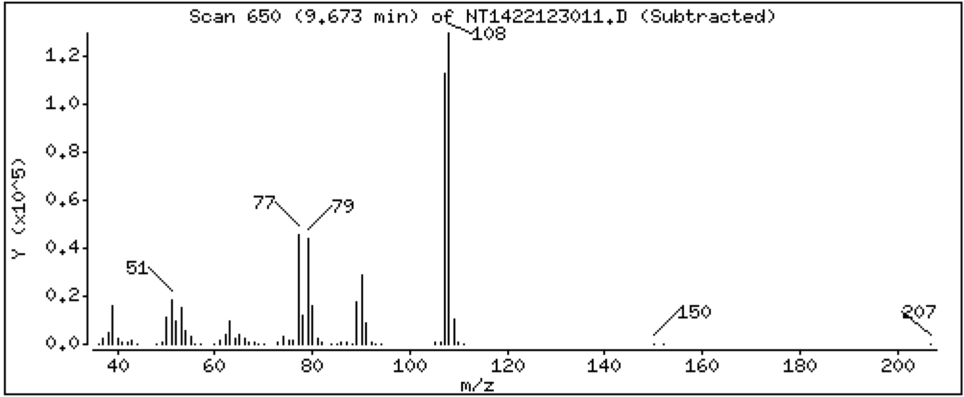
Operator: VTS

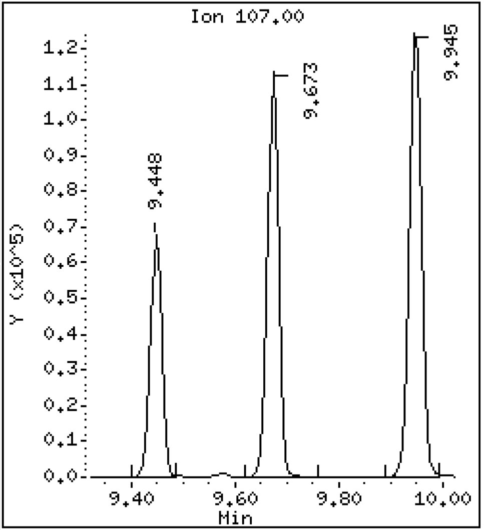
Column phase: ZB-5msi Column diameter: 0.25

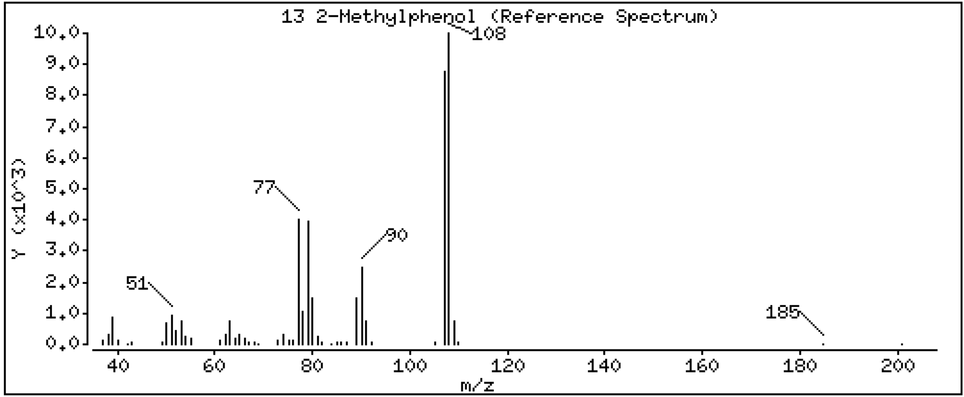
13 2-Methylphenol Concentration: 3.927 ug/mL

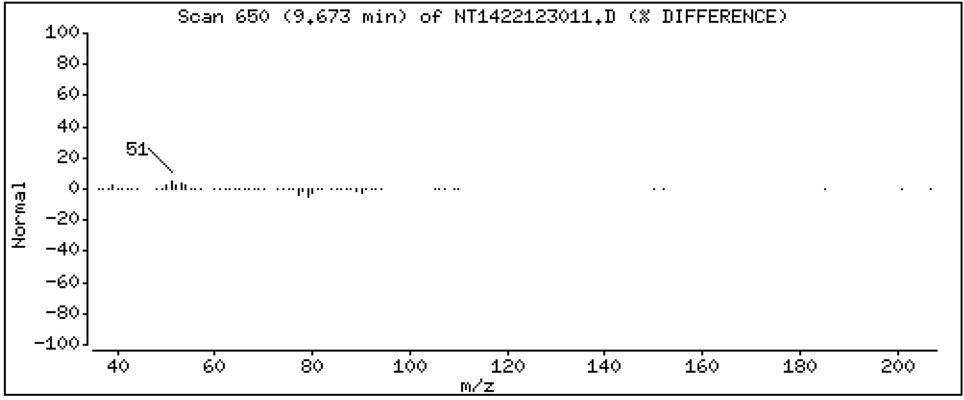


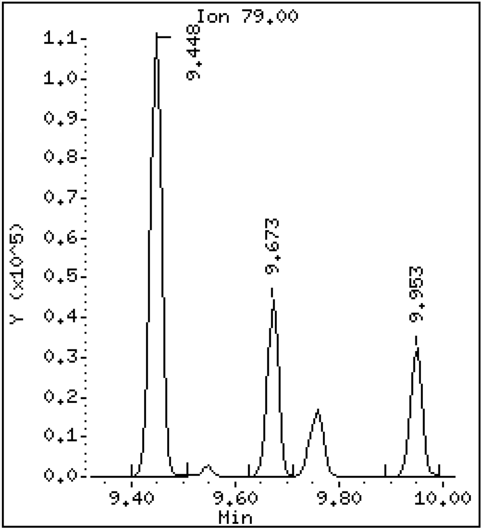












Data File: \\target\share\chem3\nt14.i\20221230.b\NT1422123011.D

Date : 30-DEC-2022 13:31

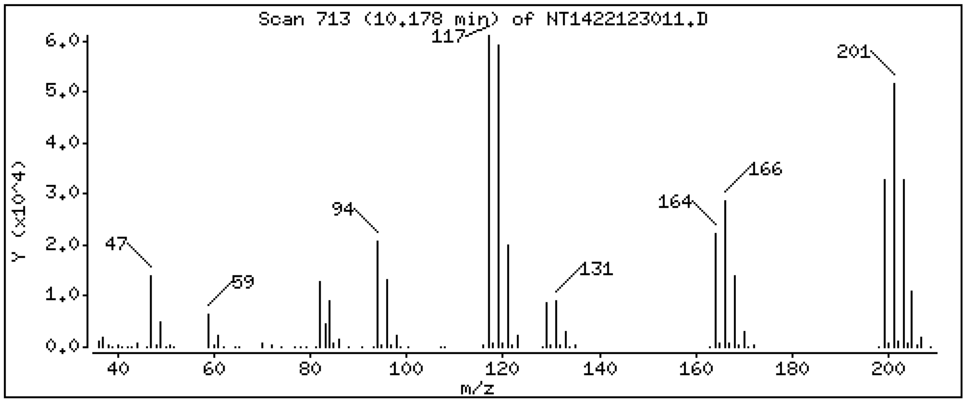
Client ID: Instrument: nt14.i

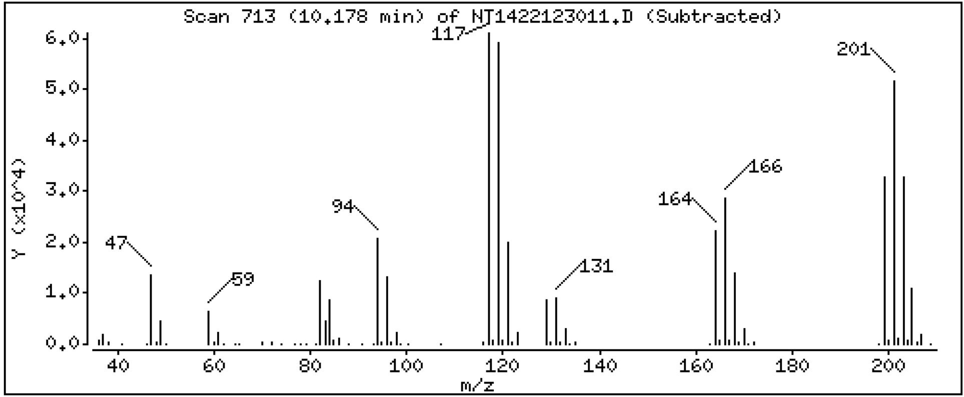
Sample Info: SKL0355-SCV1

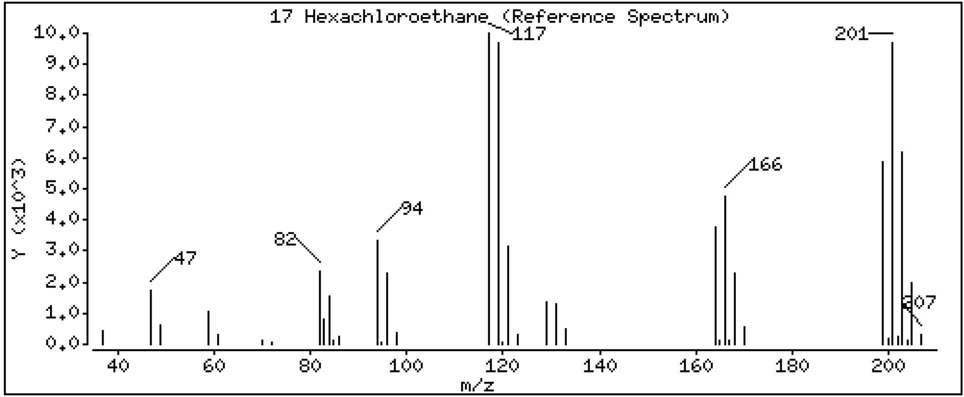
Operator: VTS

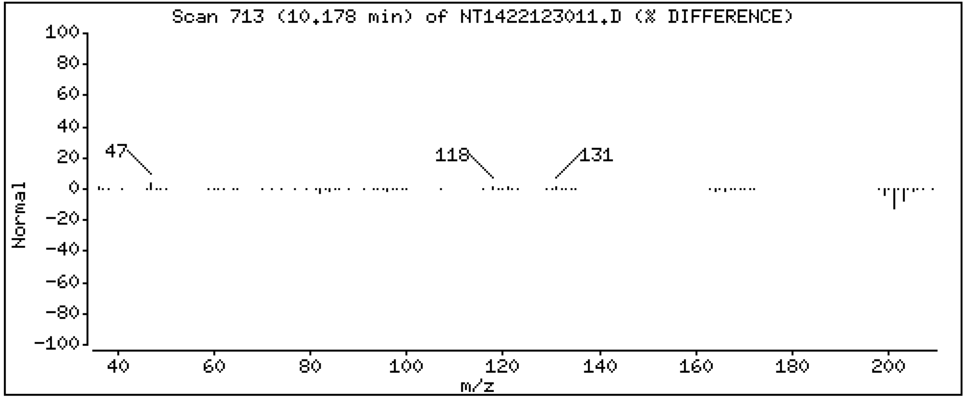
Column phase: ZB-5msi Column diameter: 0.25

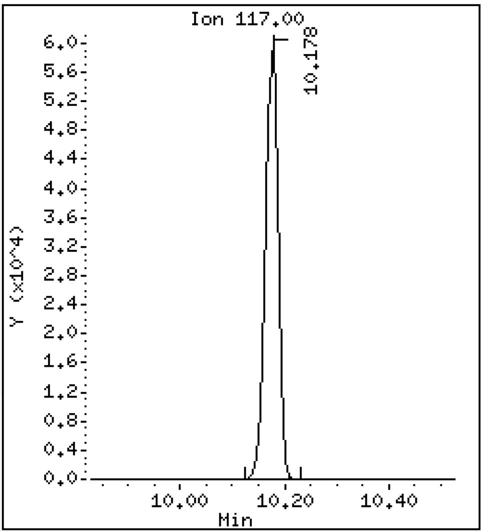
17 Hexachloroethane Concentration: 4.929 ug/mL

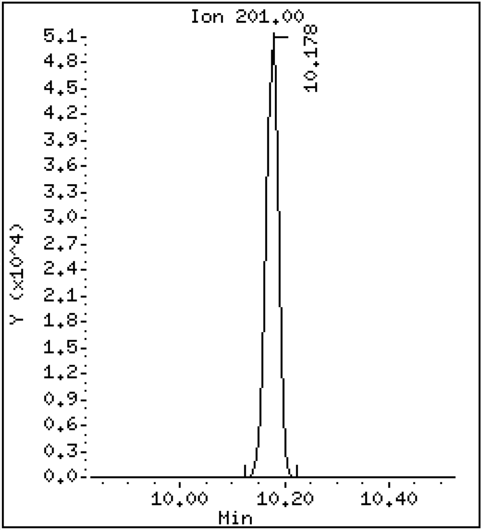


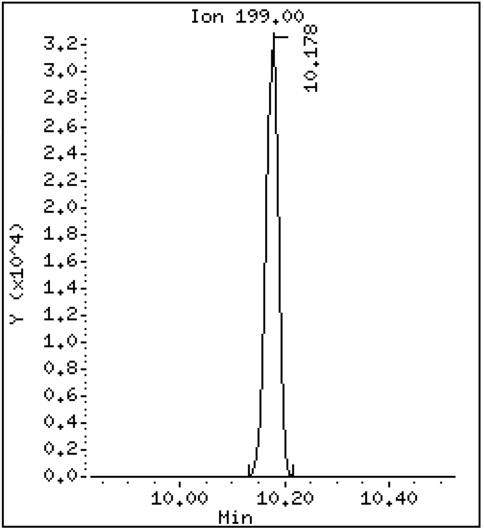












Data File: \\target\share\chem3\nt14.i\20221230.b\NT1422123011.D

Date : 30-DEC-2022 13:31

Client ID:

Instrument: nt14.i

Sample Info: SKL0355-SCV1

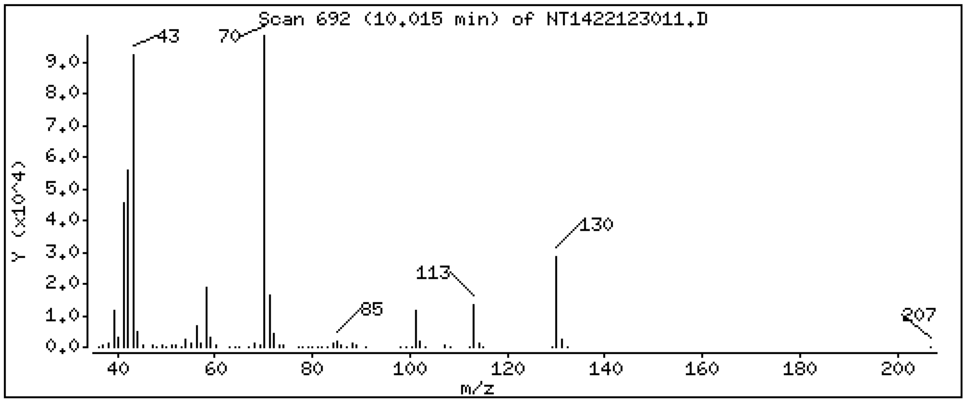
Operator: VTS

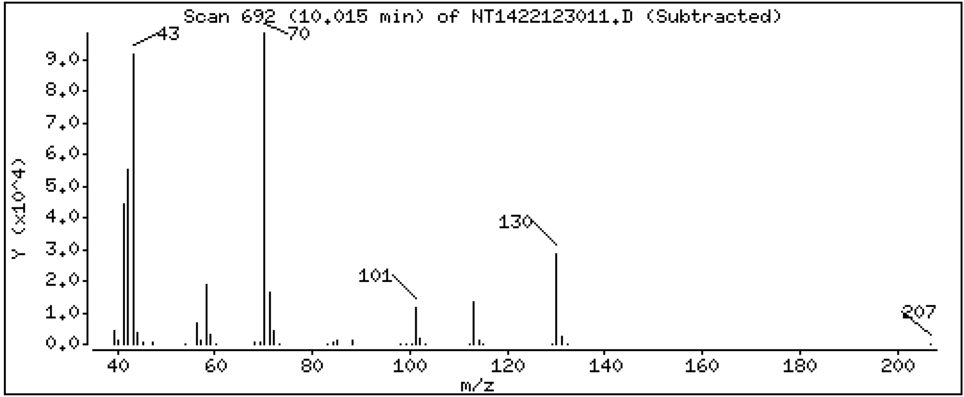
Column phase: ZB-5msi

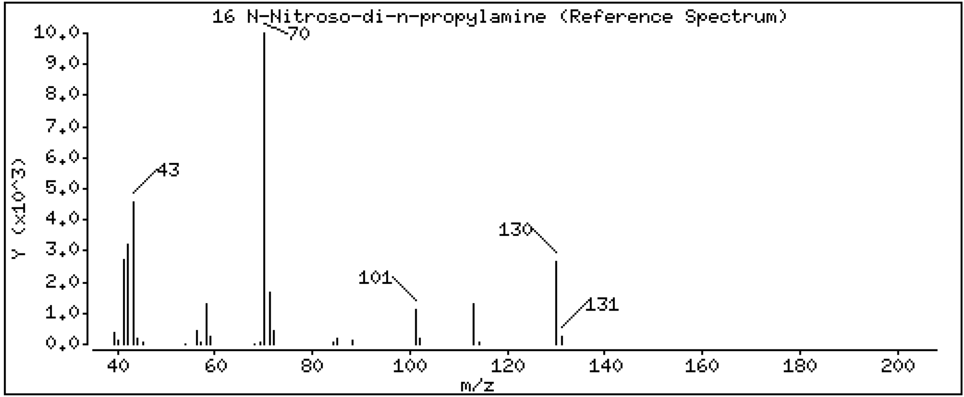
Column diameter: 0.25

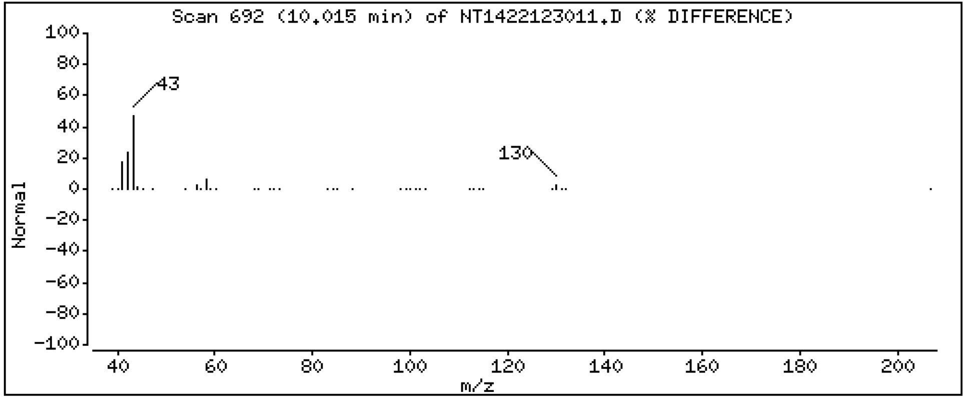
16 N-Nitroso-di-n-propylamine

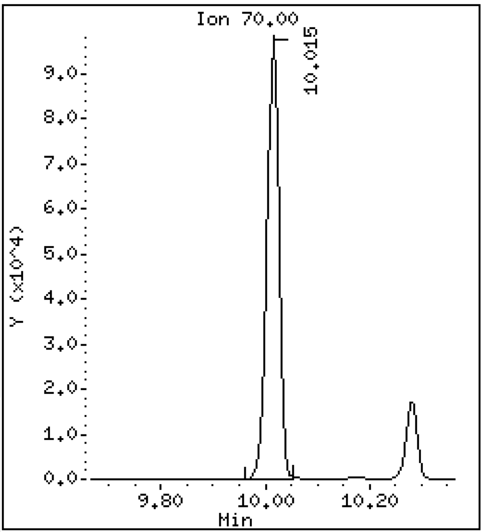
Concentration: 5.128 ug/mL

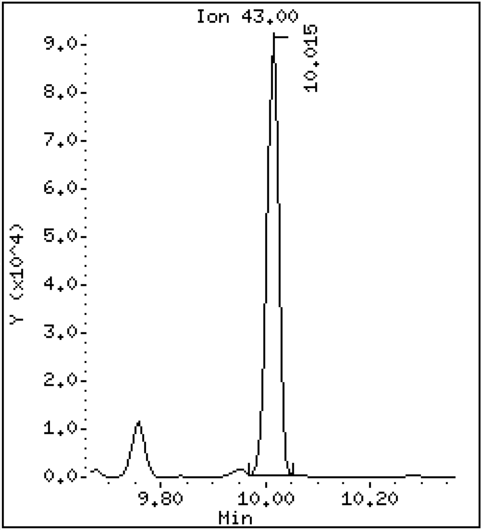


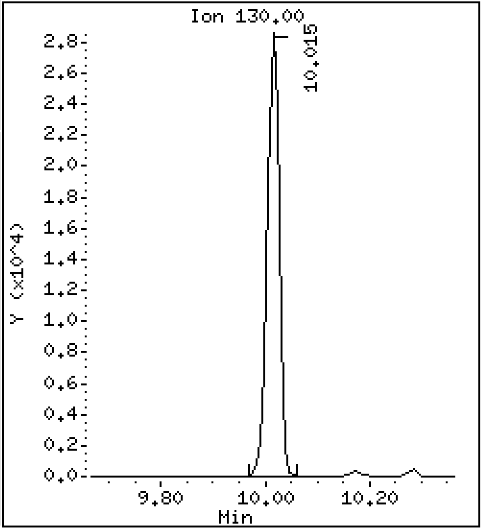












Data File: \\target\share\chem3\nt14.i\20221230.b\NT1422123011.D

Date : 30-DEC-2022 13:31

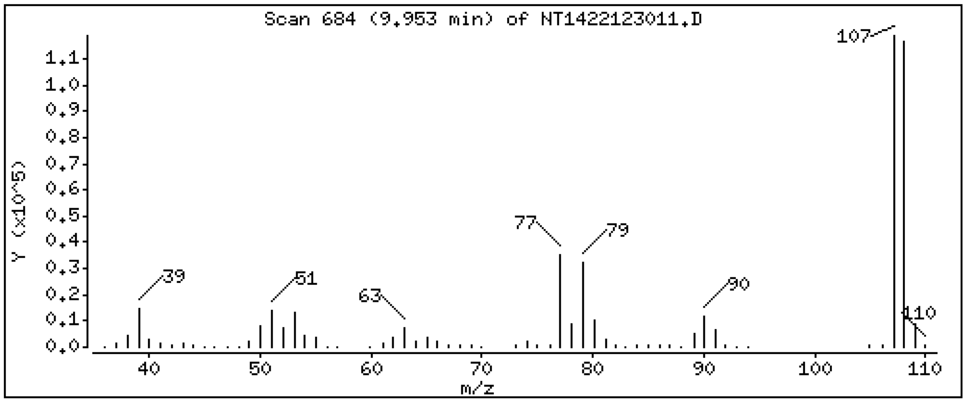
Client ID: Instrument: nt14.i

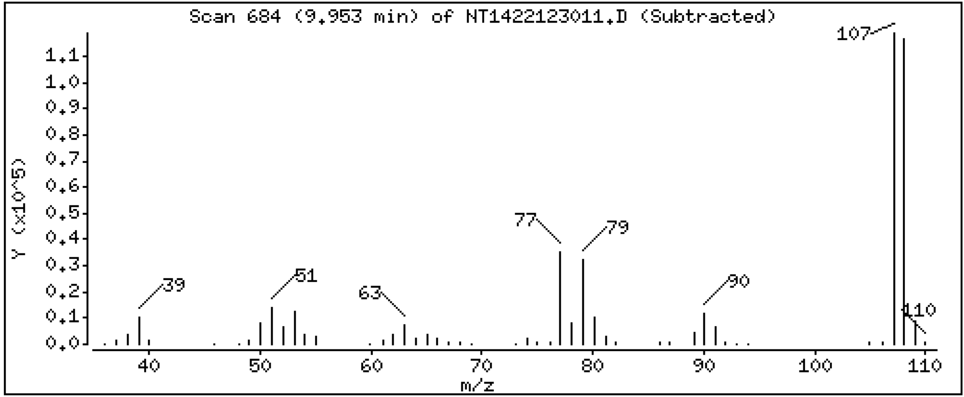
Sample Info: SKL0355-SCV1

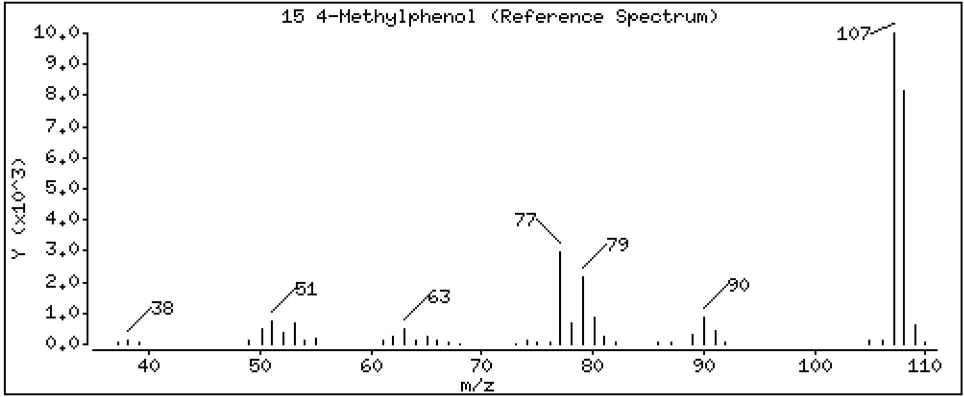
Operator: VTS

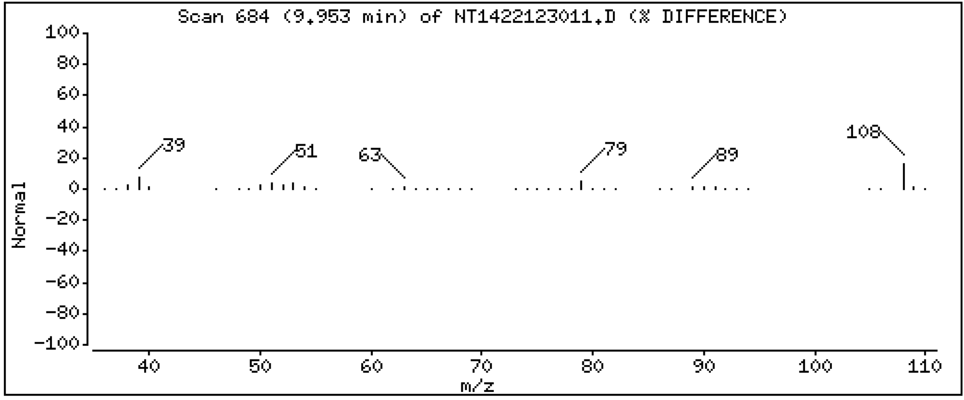
Column phase: ZB-5msi Column diameter: 0.25

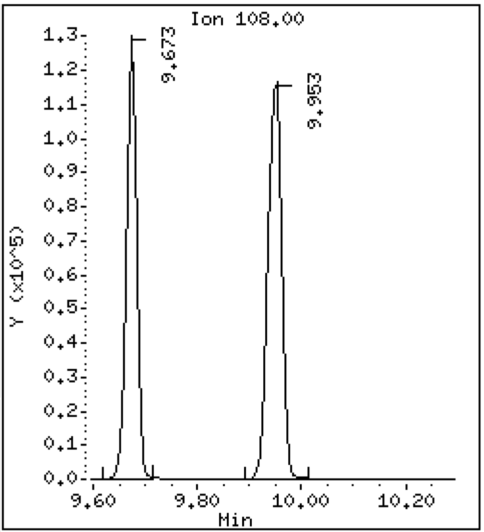
15 4-Methylphenol Concentration: 4.122 ug/mL

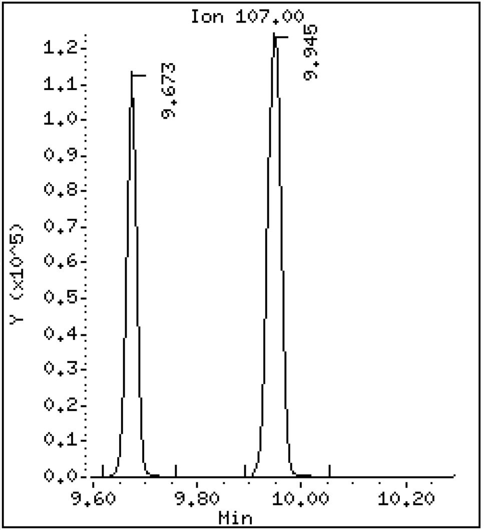

Scan 684 (9.953 min) of NT1422123011.D


Scan 684 (9.953 min) of NT1422123011.D (Subtracted)


15 4-Methylphenol (Reference Spectrum)


Scan 684 (9.953 min) of NT1422123011.D (% DIFFERENCE)


Ion 108.00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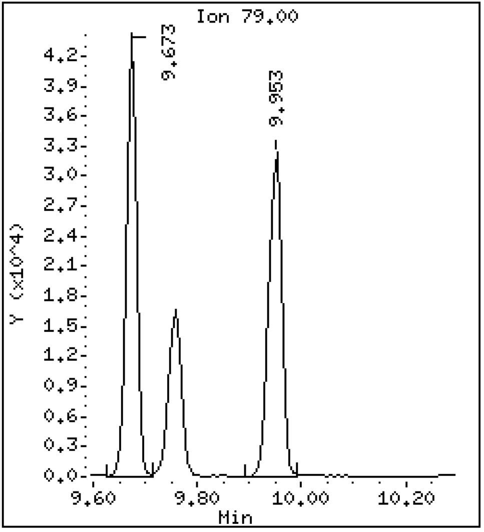

Ion 79.00

Data File: \\target\share\chem3\nt14.i\20221230.b\NT1422123011.D

Date : 30-DEC-2022 13:31

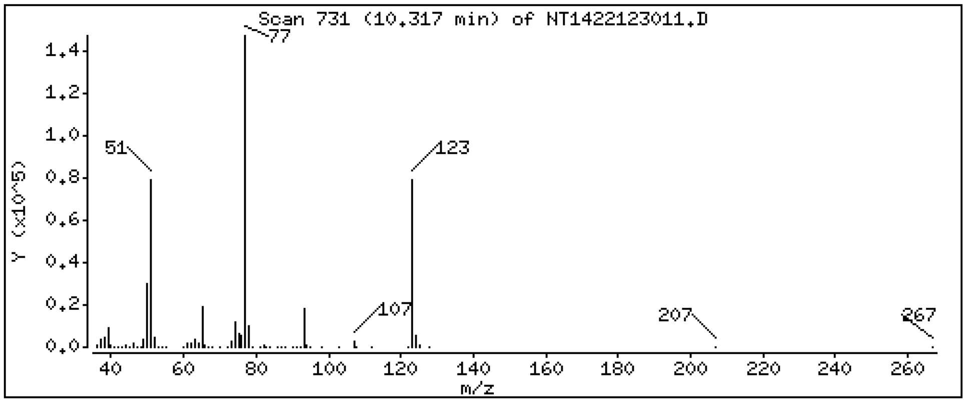
Client ID: Instrument: nt14.i

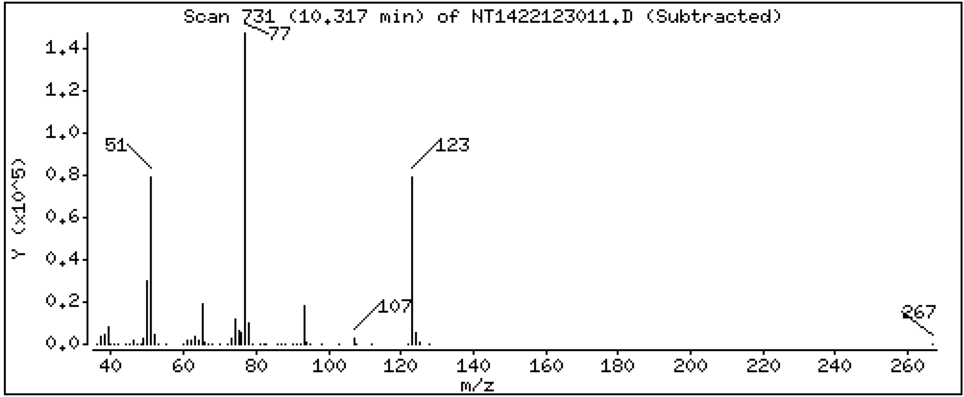
Sample Info: SKL0355-SCV1

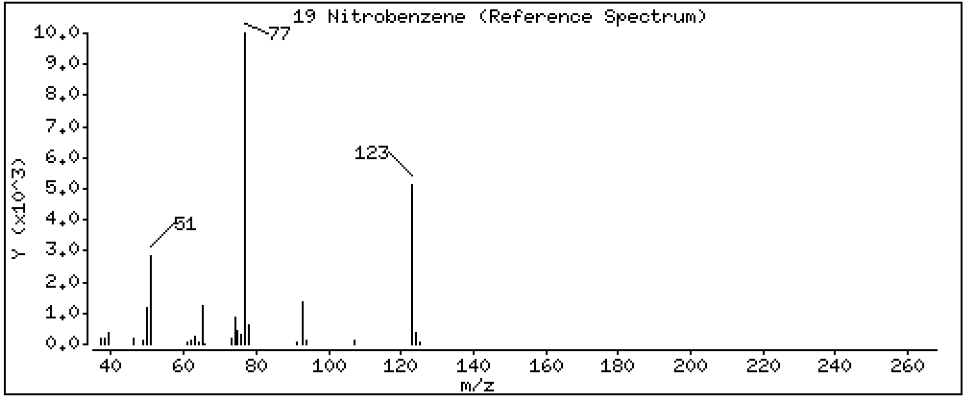
Operator: VTS

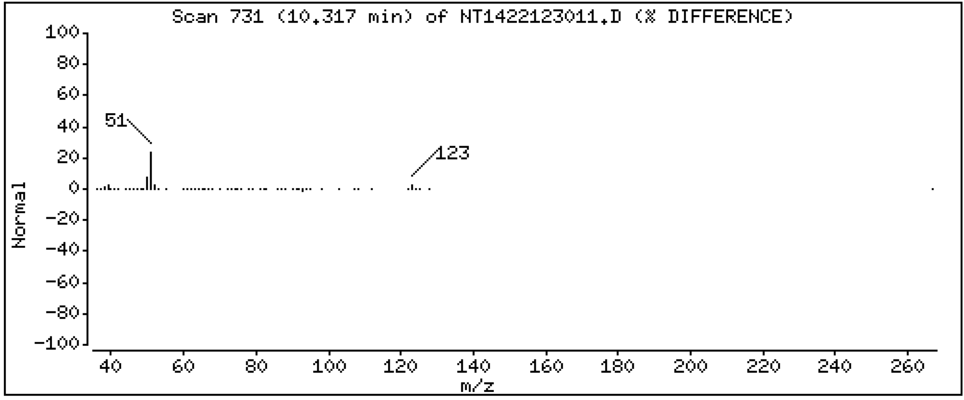
Column phase: ZB-5msi Column diameter: 0.25

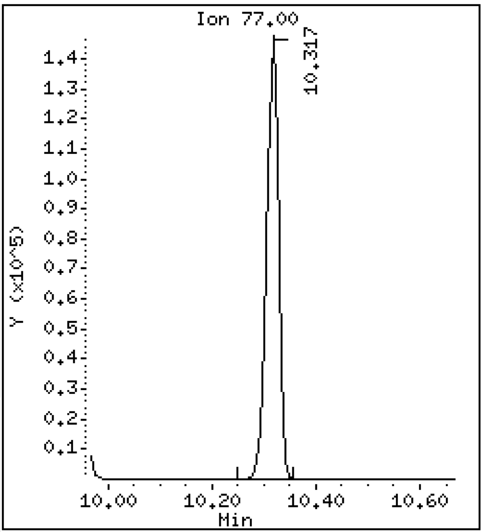
19 Nitrobenzene Concentration: 4.880 ug/mL

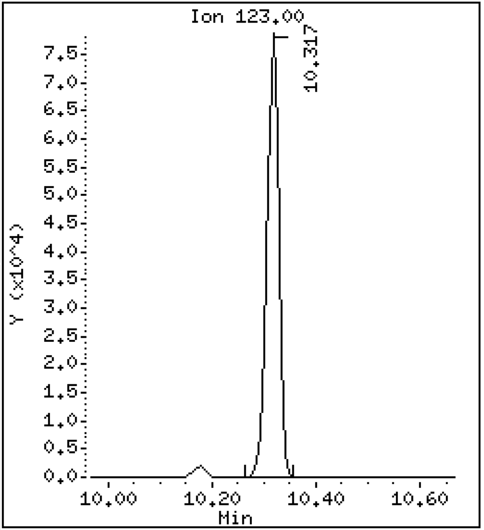

Scan 731 (10.317 min) of NT1422123011.D

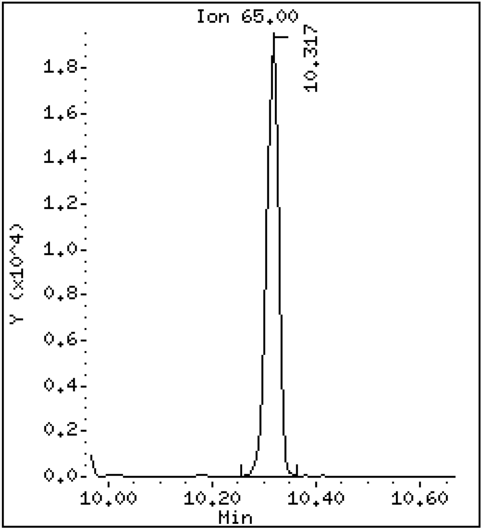

Scan 731 (10.317 min) of NT1422123011.D (Subtracted)


19 Nitrobenzene (Reference Spectrum)


Scan 731 (10.317 min) of NT1422123011.D (% DIFFERENCE)


Ion 77.00


Ion 123.00


Ion 65.00

Data File: \\target\share\chem3\nt14.i\20221230.b\NT1422123011.D

Date : 30-DEC-2022 13:31

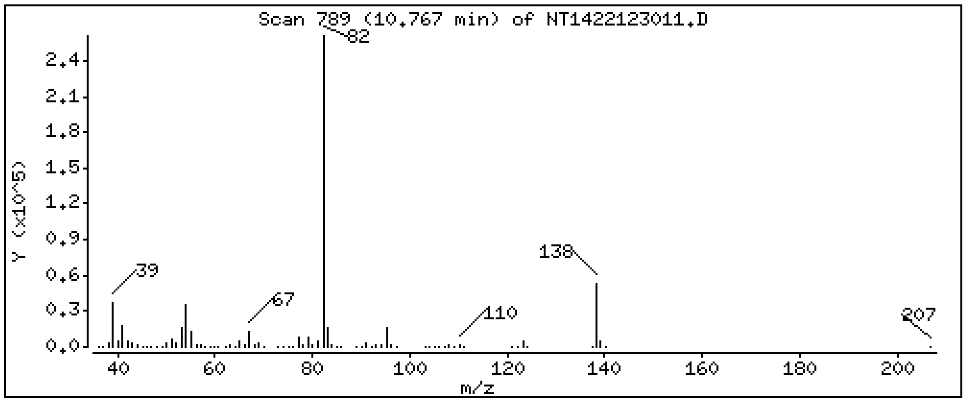
Client ID: Instrument: nt14.i

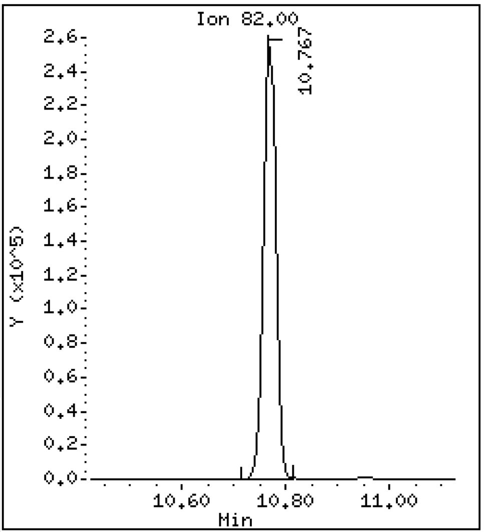
Sample Info: SKL0355-SCV1

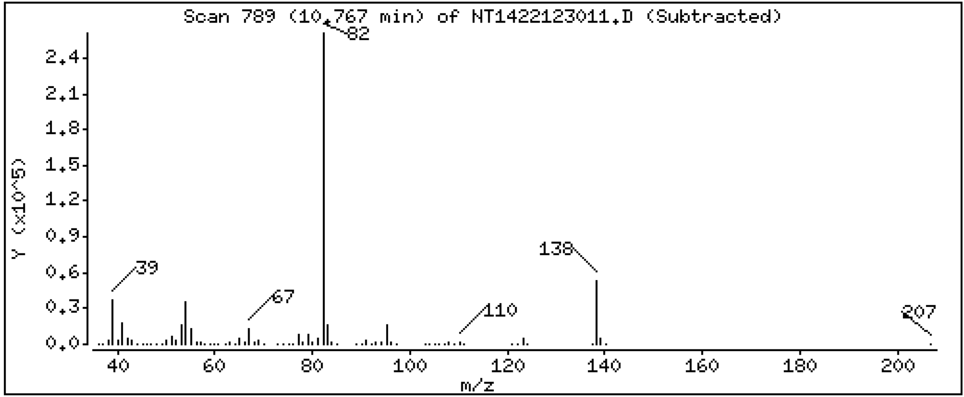
Operator: VTS

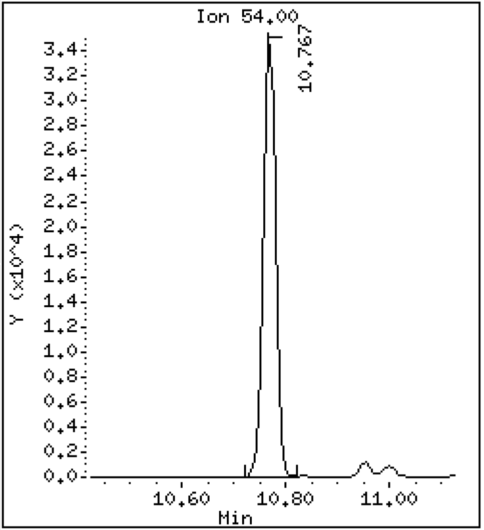
Column phase: ZB-5msi Column diameter: 0.25

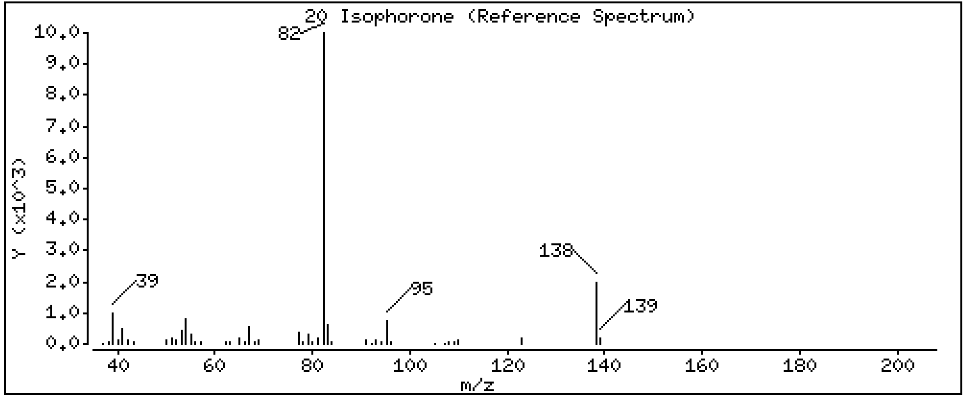
20 Isophorone Concentration: 6.946 ug/mL

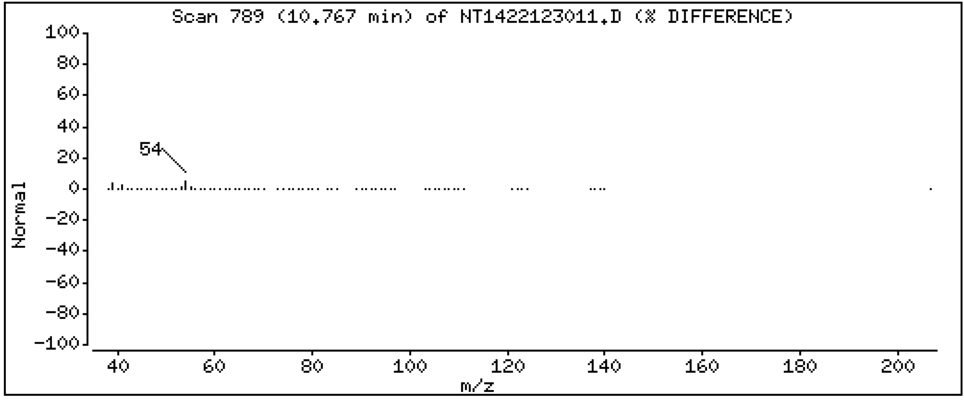

Scan 789 (10.767 min) of NT1422123011.D

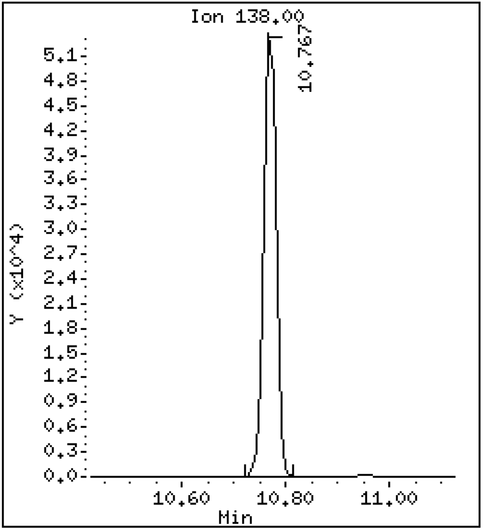

Ion 82.00


Scan 789 (10.767 min) of NT1422123011.D (Subtracted)


Ion 54.00


20 Isophorone (Reference Spectrum)


Scan 789 (10.767 min) of NT1422123011.D (% DIFFERENCE)


Ion 138.00

Data File: \\target\share\chem3\nt14.i\20221230.b\NT1422123011.D

Date : 30-DEC-2022 13:31

Client ID:

Instrument: nt14.i

Sample Info: SKL0355-SCV1

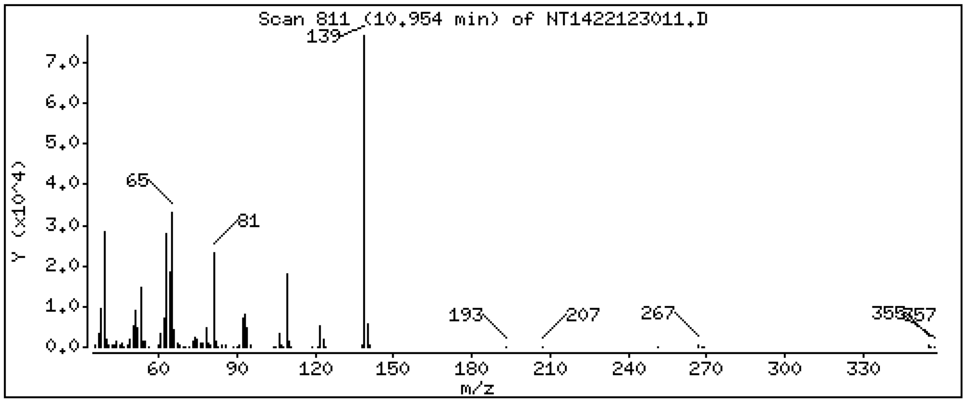
Operator: VTS

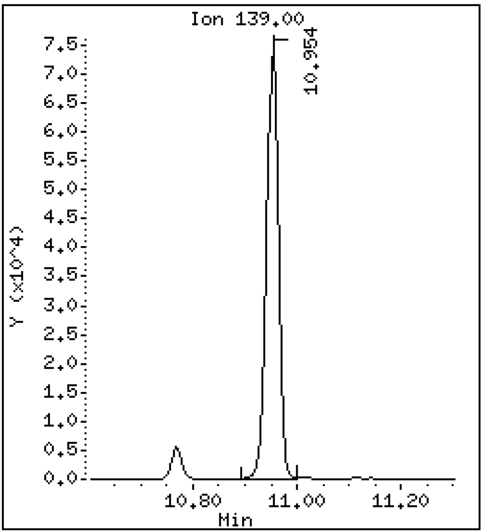
Column phase: ZB-5msi

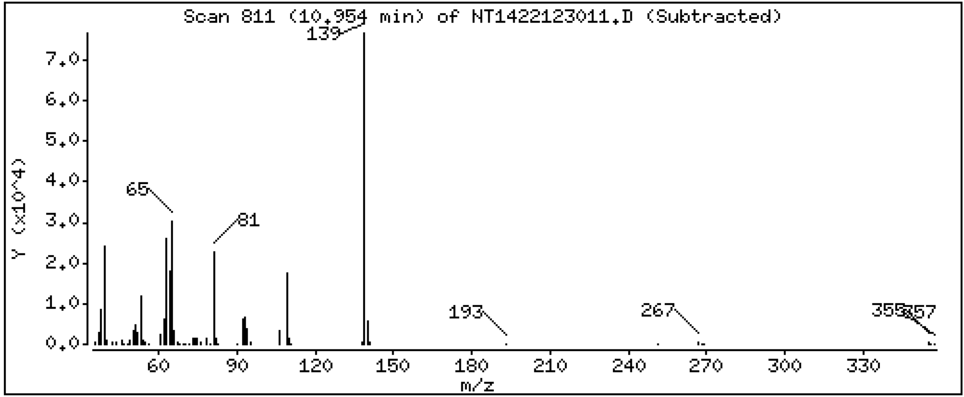
Column diameter: 0.25

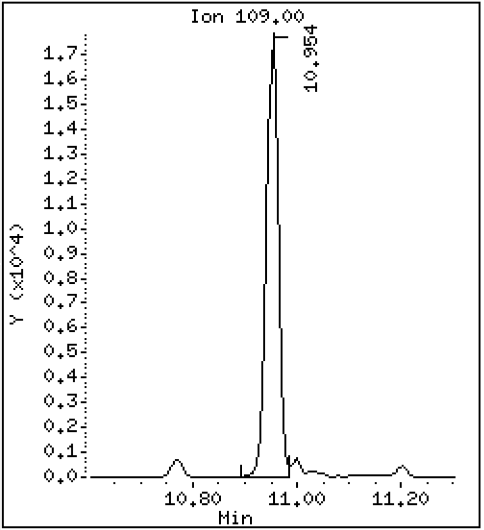
21 2-Nitrophenol

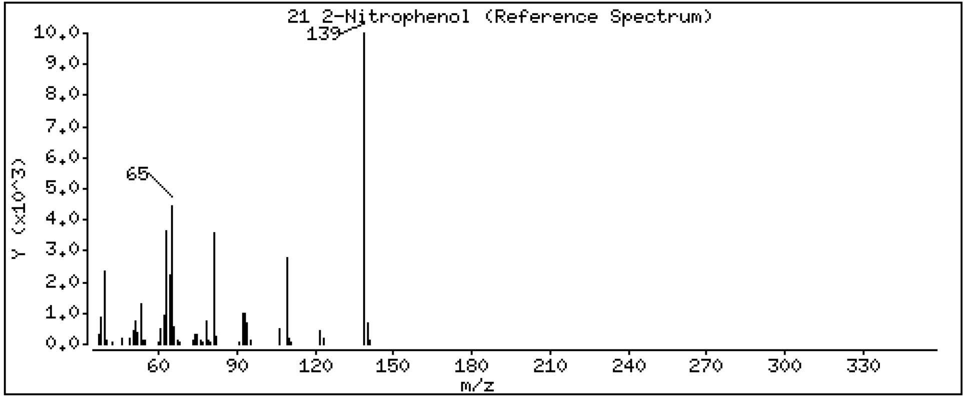
Concentration: 4.556 ug/mL

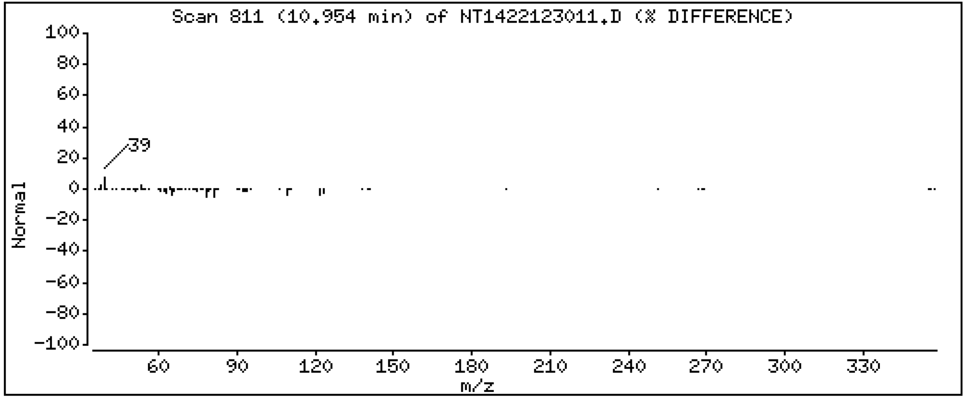


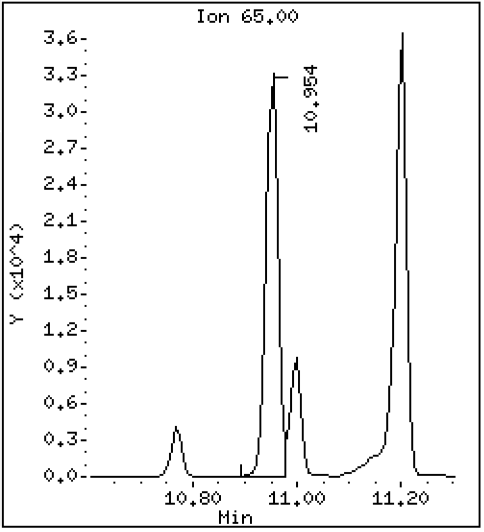












Data File: \\target\share\chem3\nt14.i\20221230.b\NT1422123011.D

Date : 30-DEC-2022 13:31

Client ID:

Instrument: nt14.i

Sample Info: SKL0355-SCV1

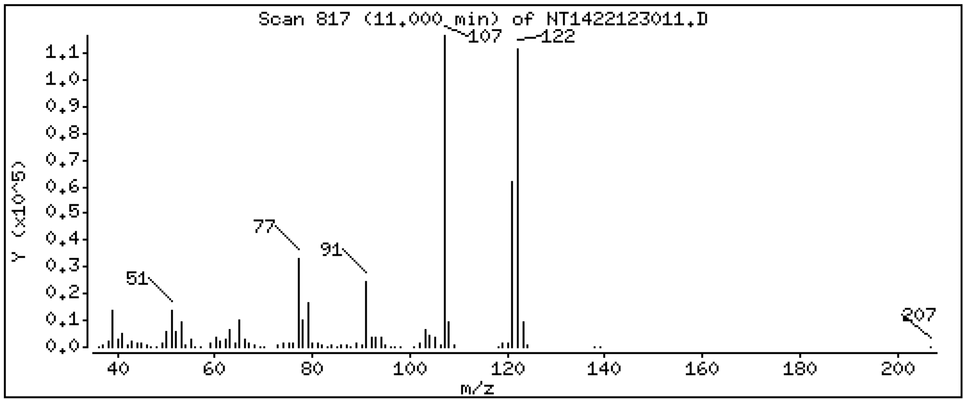
Operator: VTS

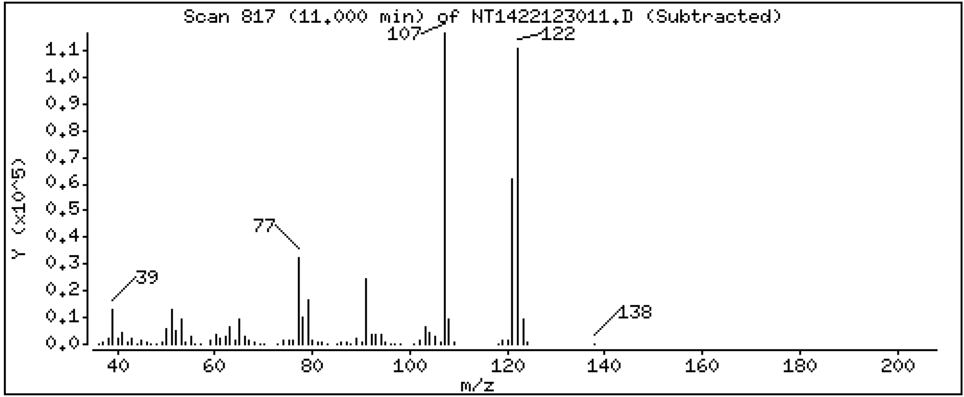
Column phase: ZB-5msi

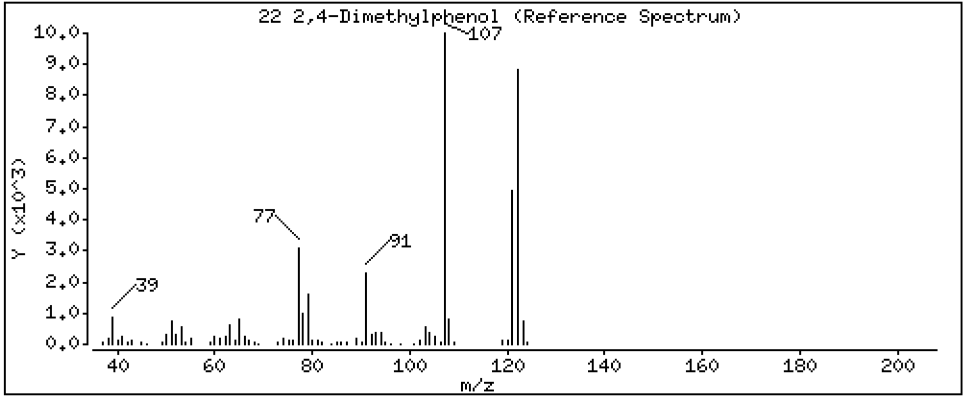
Column diameter: 0.25

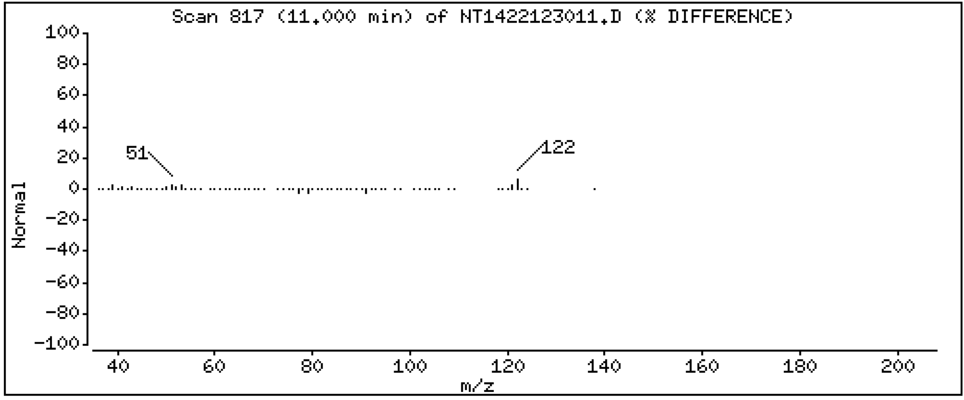
22 2,4-Dimethylphenol

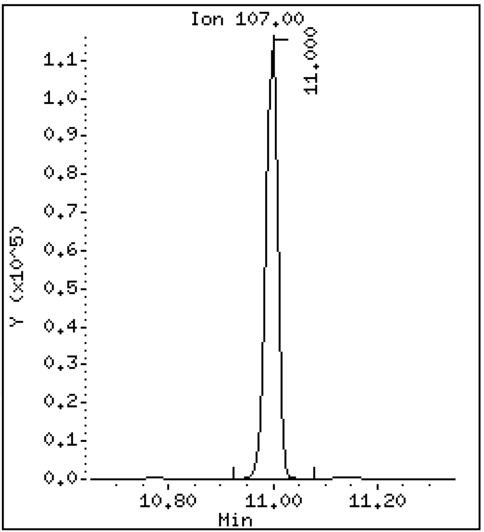
Concentration: 3.663 ug/mL

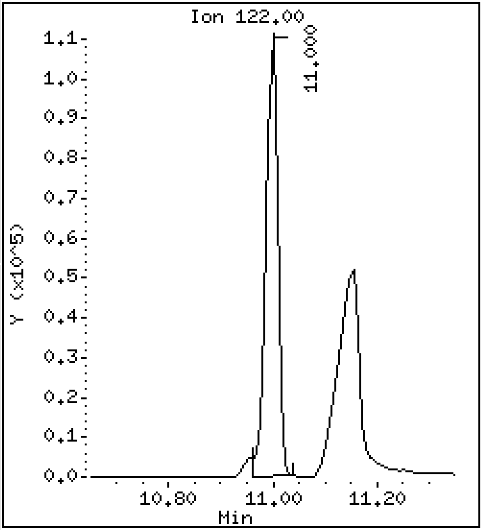

Scan 817 (11.000 min) of NT1422123011.D

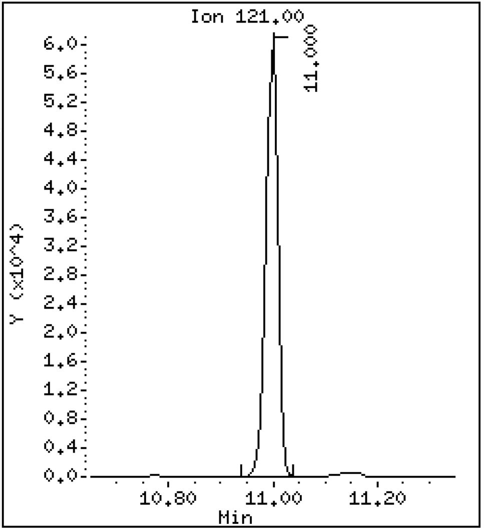

Scan 817 (11.000 min) of NT1422123011.D (Subtracted)


22 2,4-Dimethylphenol (Reference Spectrum)


Scan 817 (11.000 min) of NT1422123011.D (% DIFFERENCE)


Ion 107.00


Ion 122.00


Ion 121.00

Data File: \\target\share\chem3\nt14.i\20221230.b\NT1422123011.D

Date : 30-DEC-2022 13:31

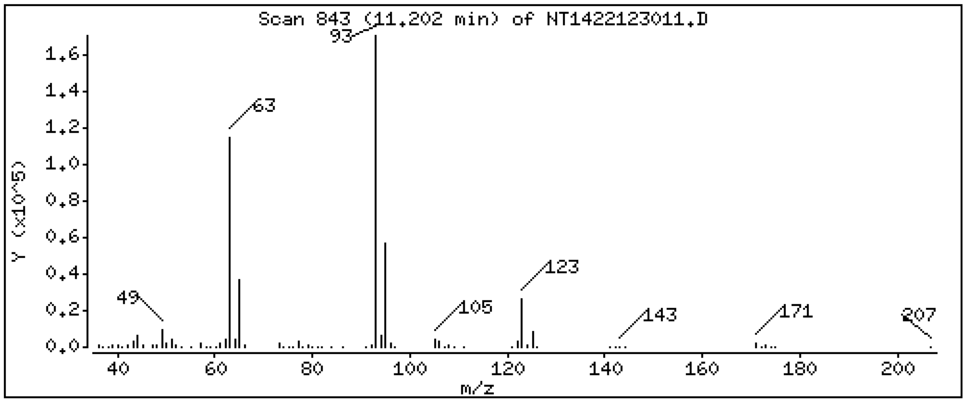
Client ID: Instrument: nt14.i

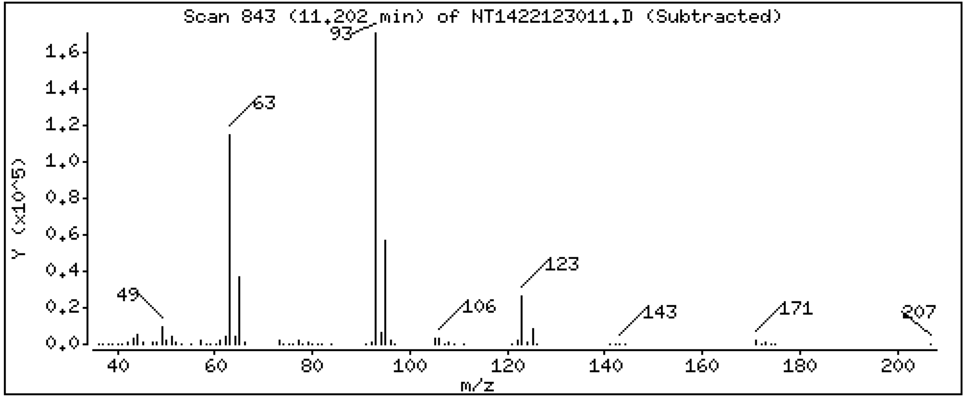
Sample Info: SKL0355-SCV1

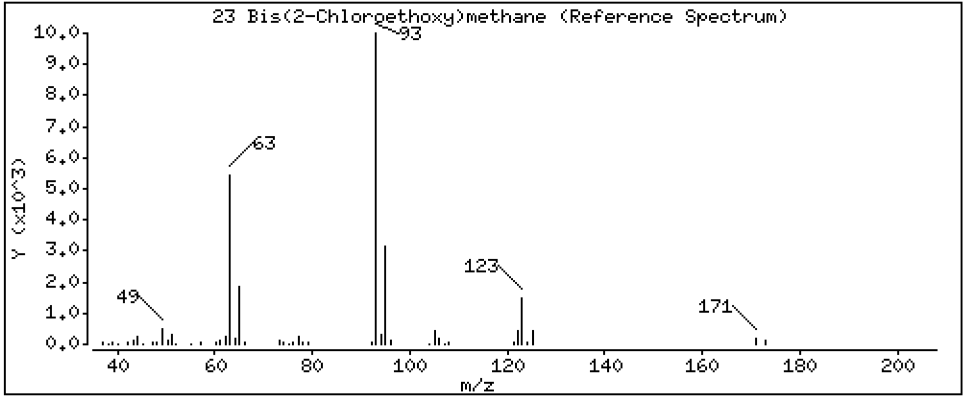
Operator: VTS

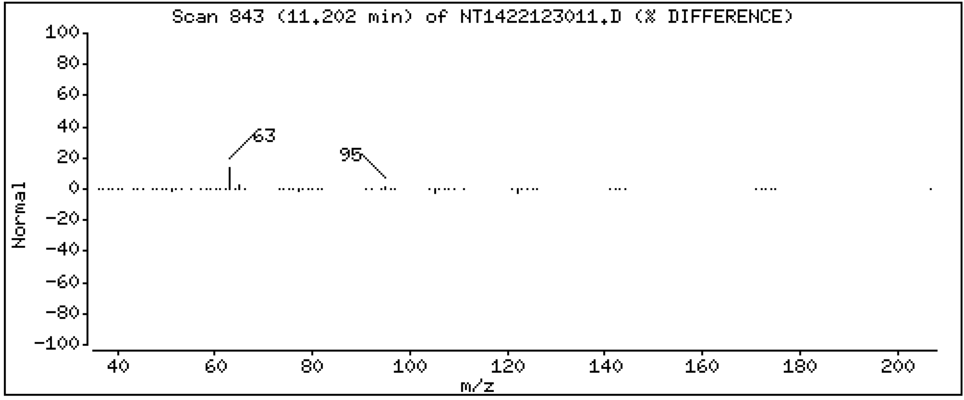
Column phase: ZB-5msi Column diameter: 0.25

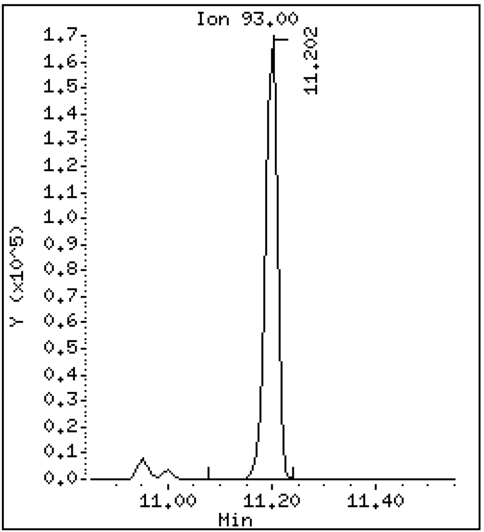
23 Bis(2-Chloroethoxy)methane Concentration: 5.670 ug/mL

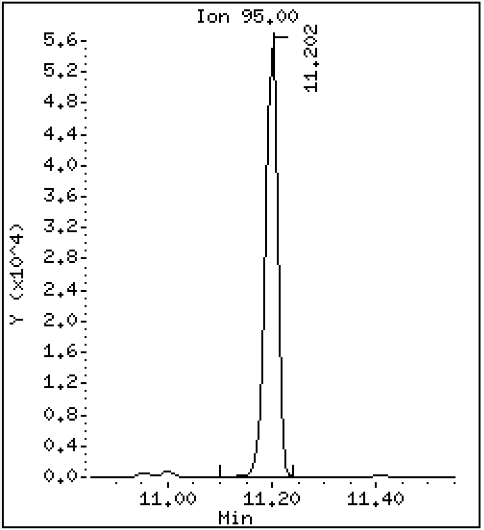

Scan 843 (11.202 min) of NT1422123011.D

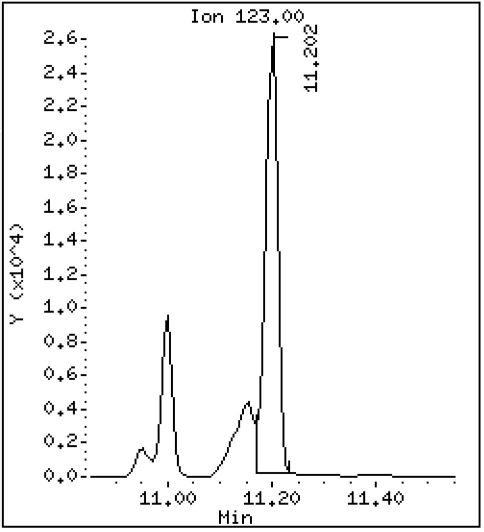

Scan 843 (11.202 min) of NT1422123011.D (Subtracted)


23 Bis(2-Chloroethoxy)methane (Reference Spectrum)


Scan 843 (11.202 min) of NT1422123011.D (% DIFFERENCE)


Ion 93.00


Ion 95.00


Ion 123.00

Date : 30-DEC-2022 13:31

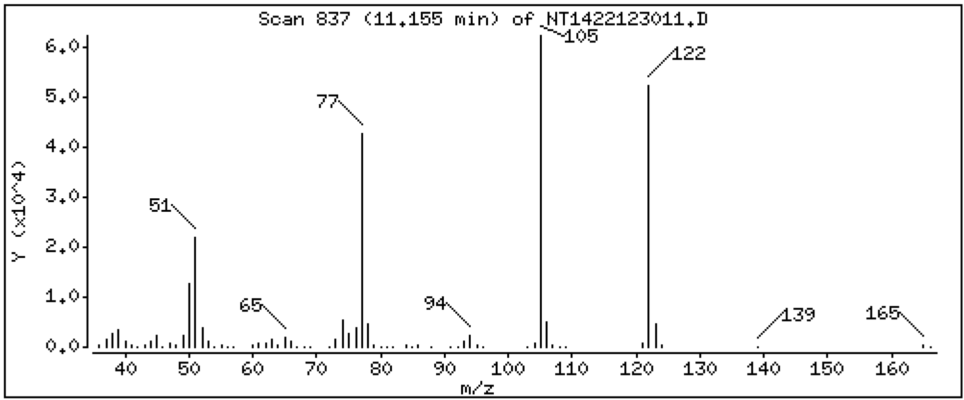
Client ID: Instrument: nt14.i

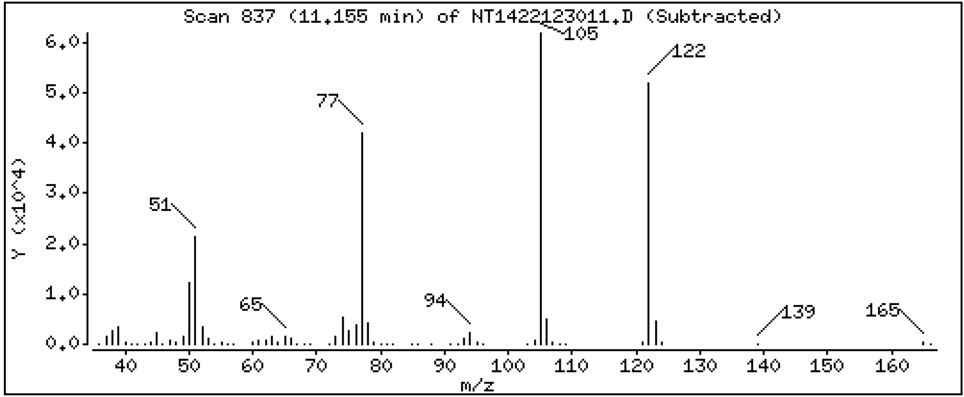
Sample Info: SKL0355-SCV1

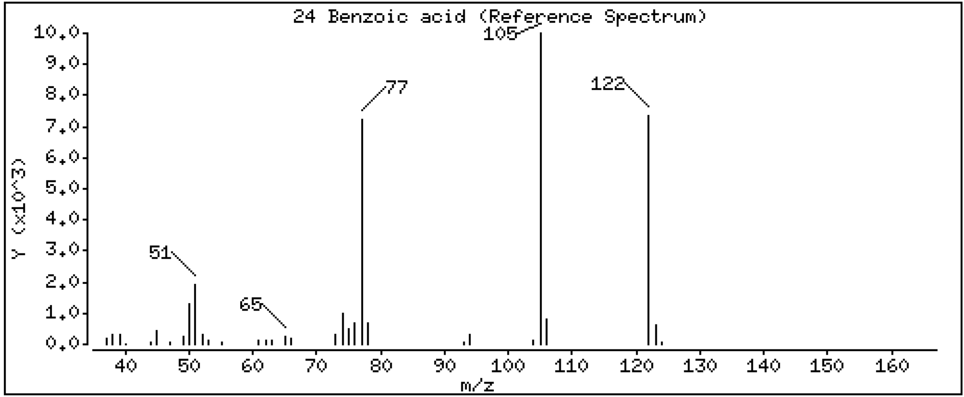
Operator: VTS

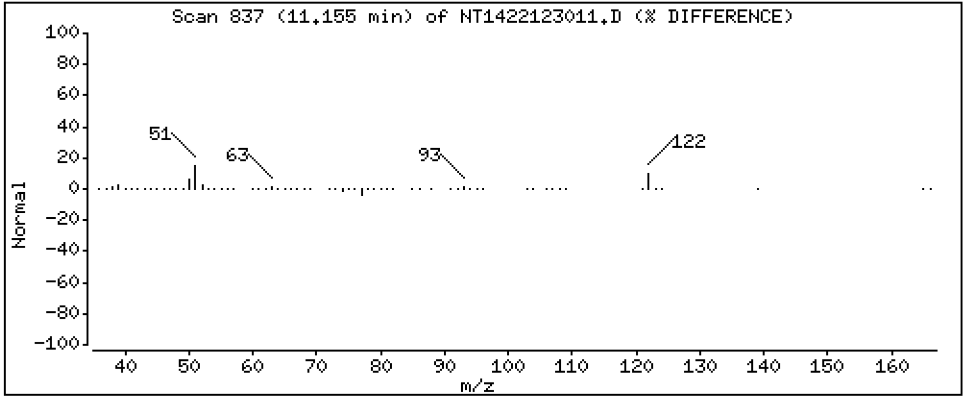
Column phase: ZB-5msi Column diameter: 0.25

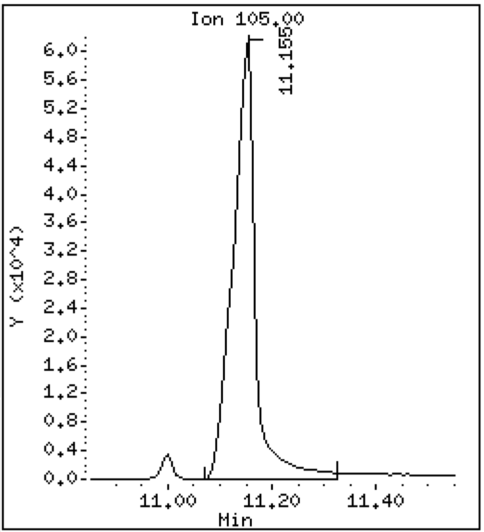
24 Benzoic acid Concentration: 6.385 ug/mL

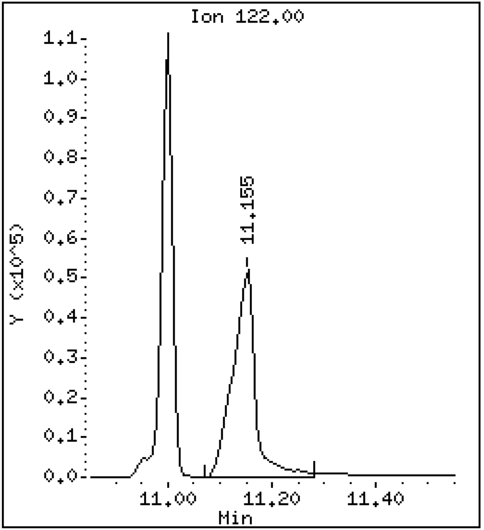

Scan 837 (11.155 min) of NT1422123011.D

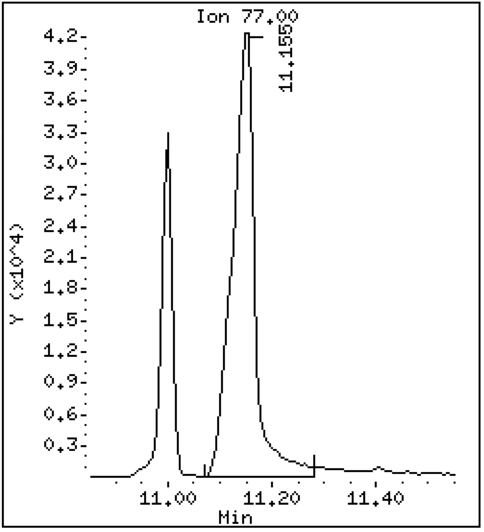

Scan 837 (11.155 min) of NT1422123011.D (Subtracted)


24 Benzoic acid (Reference Spectrum)


Scan 837 (11.155 min) of NT1422123011.D (% DIFFERENCE)


Ion 105.00


Ion 122.00


Ion 77.00

Data File: \\target\share\chem3\nt14.i\20221230.b\NT1422123011.D

Date : 30-DEC-2022 13:31

Client ID:

Instrument: nt14.i

Sample Info: SKL0355-SCV1

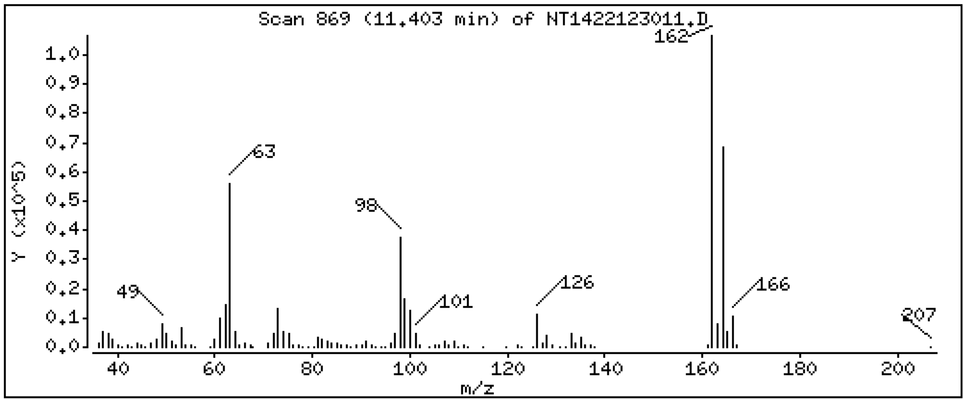
Operator: VTS

Column phase: ZB-5msi

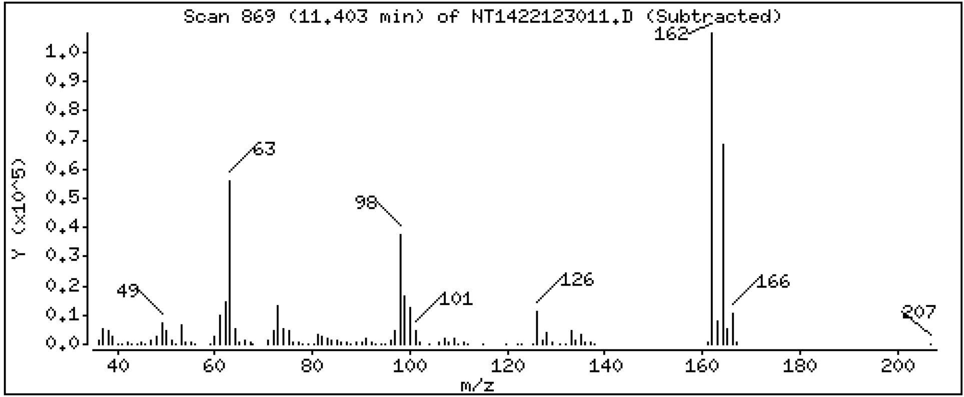
Column diameter: 0.25

25 2,4-Dichlorophenol

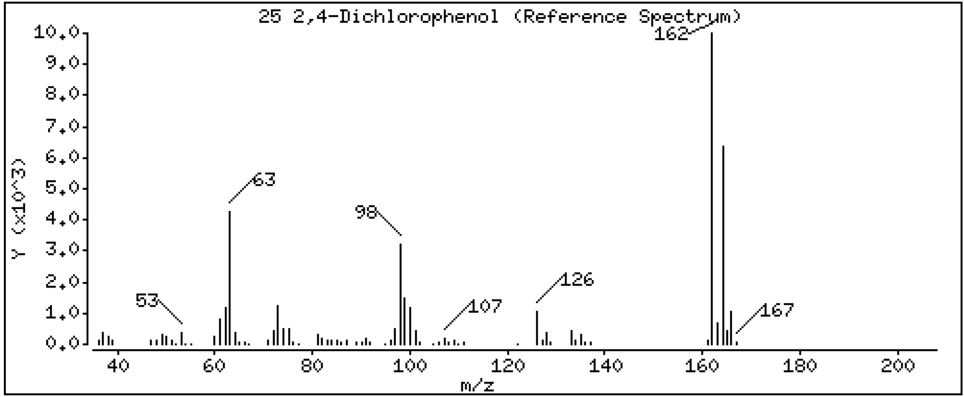
Concentration: 4.388 ug/mL



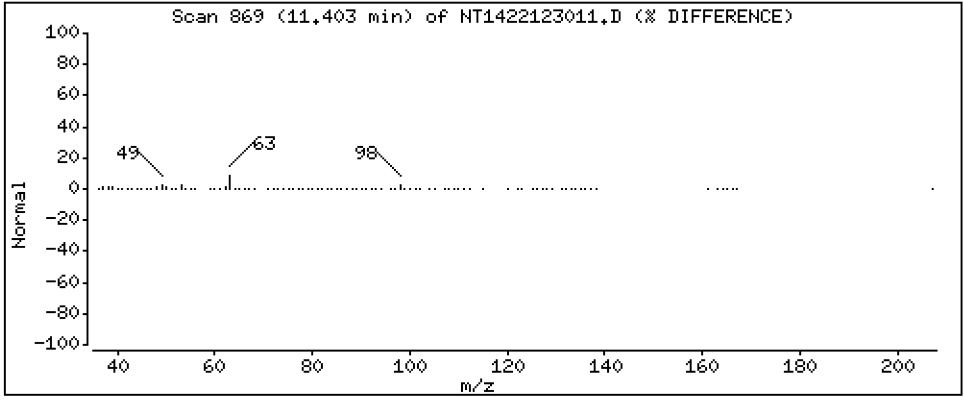
Scan 869 (11.403 min) of NT1422123011.D



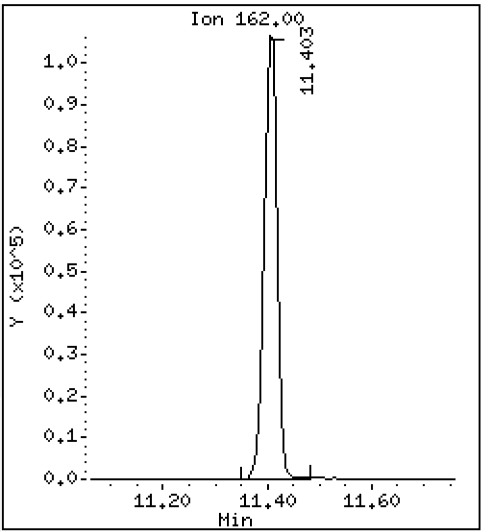
Scan 869 (11.403 min) of NT1422123011.D (Subtracted)



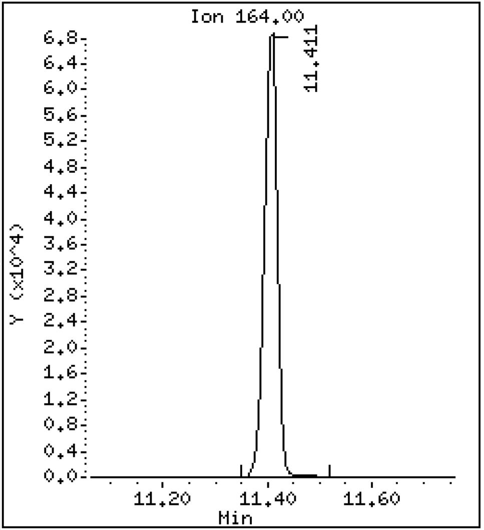
25 2,4-Dichlorophenol (Reference Spectrum)



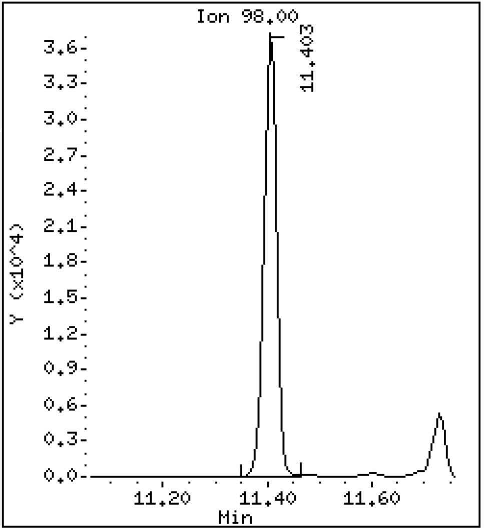
Scan 869 (11.403 min) of NT1422123011.D (% DIFFERENCE)



Ion 162.00



Ion 164.00



Ion 98.00

Data File: \\target\share\chem3\nt14.i\20221230.b\NT1422123011.D

Date : 30-DEC-2022 13:31

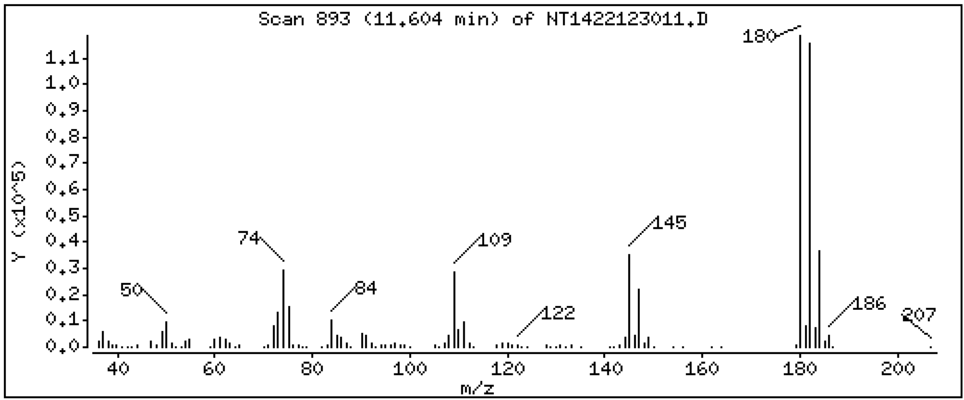
Client ID: Instrument: nt14.i

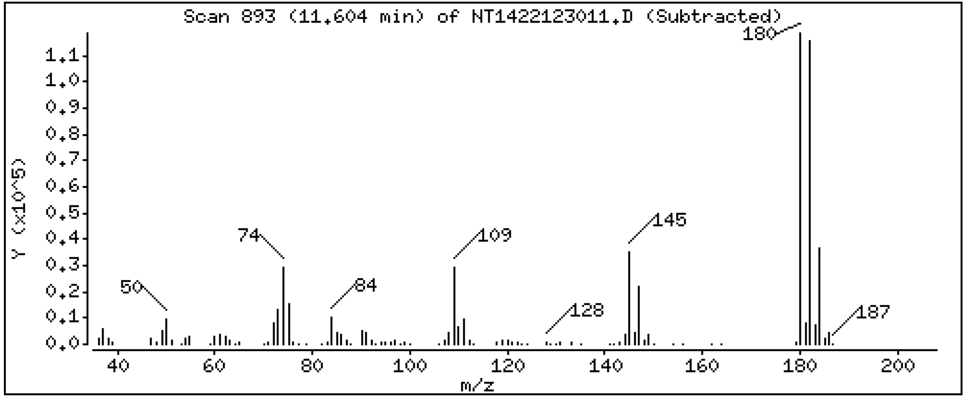
Sample Info: SKL0355-SCV1

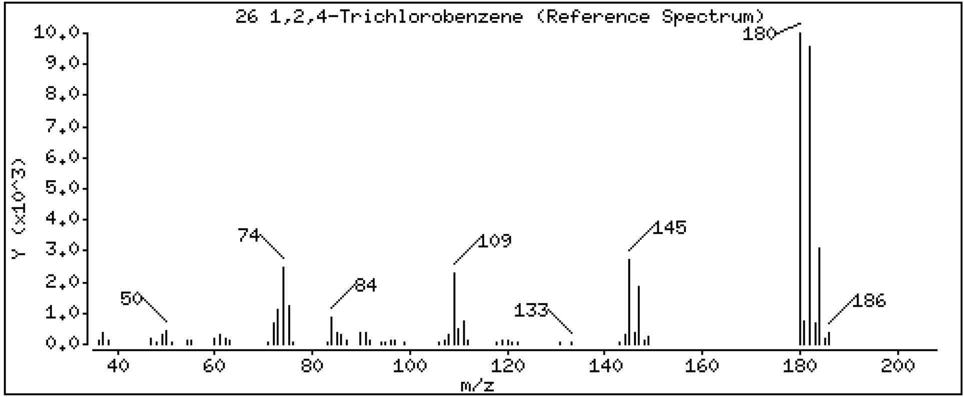
Operator: VTS

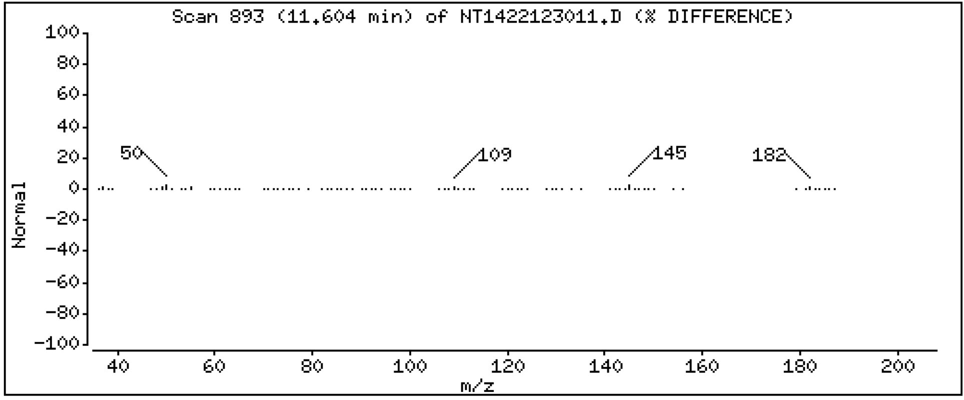
Column phase: ZB-5msi Column diameter: 0.25

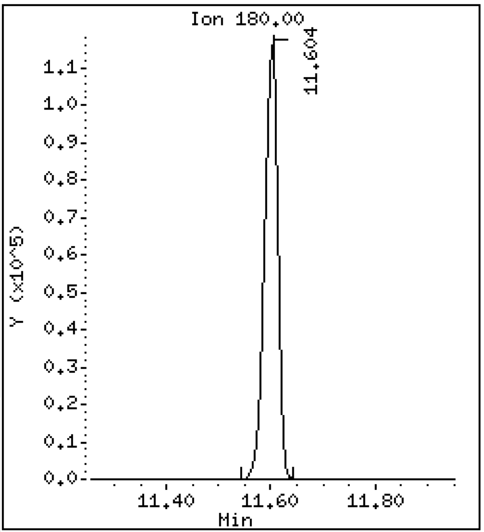
26 1,2,4-Trichlorobenzene Concentration: 4.574 ug/mL

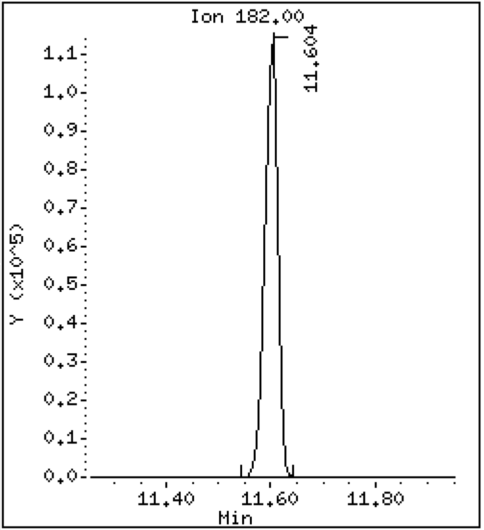

Scan 893 (11.604 min) of NT1422123011.D

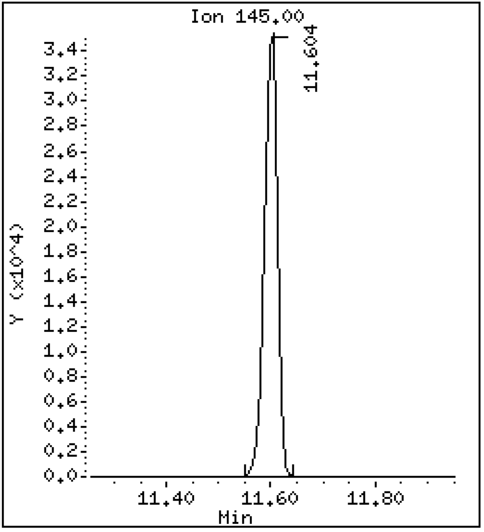

Scan 893 (11.604 min) of NT1422123011.D (Subtracted)


26 1,2,4-Trichlorobenzene (Reference Spectrum)


Scan 893 (11.604 min) of NT1422123011.D (% DIFFERENCE)


Ion 180.00


Ion 182.00


Ion 145.00

Data File: \\target\share\chem3\nt14.i\20221230.b\NT1422123011.D

Date : 30-DEC-2022 13:31

Client ID:

Instrument: nt14.i

Sample Info: SKL0355-SCV1

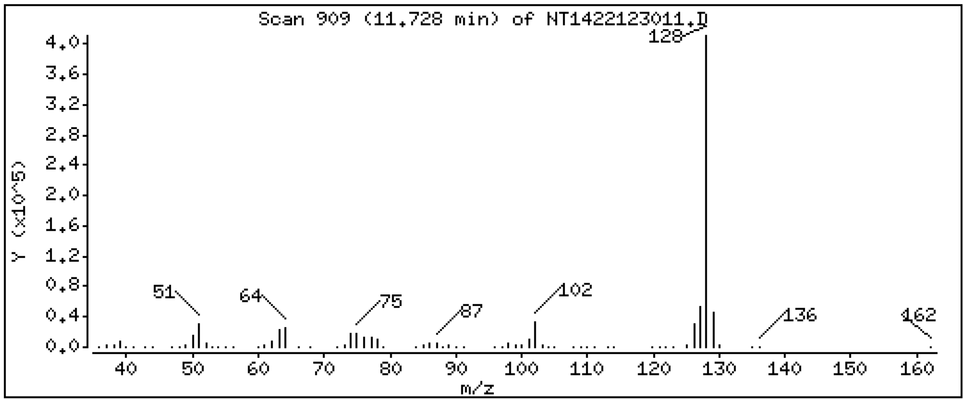
Operator: VTS

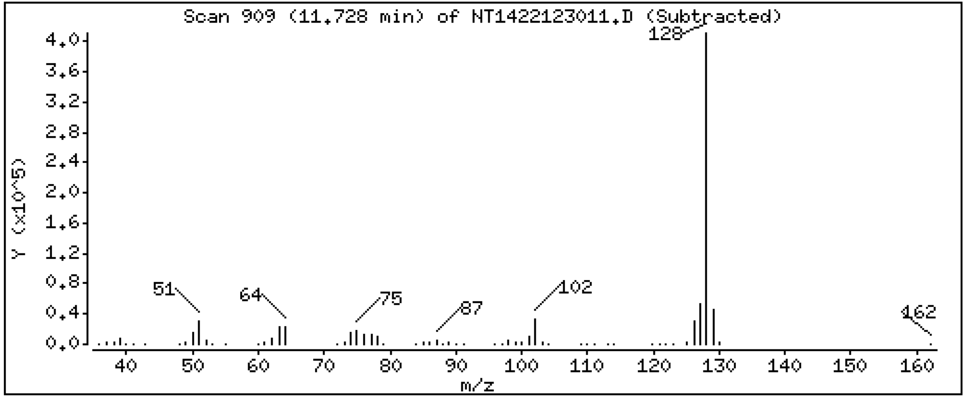
Column phase: ZB-5msi

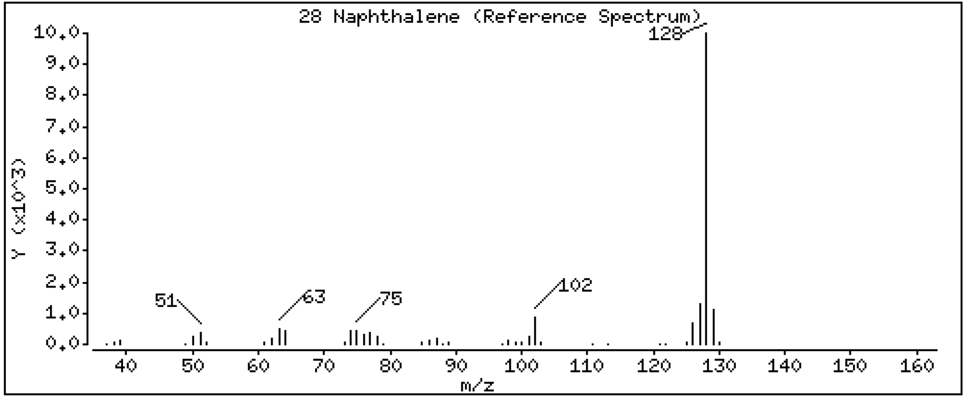
Column diameter: 0.25

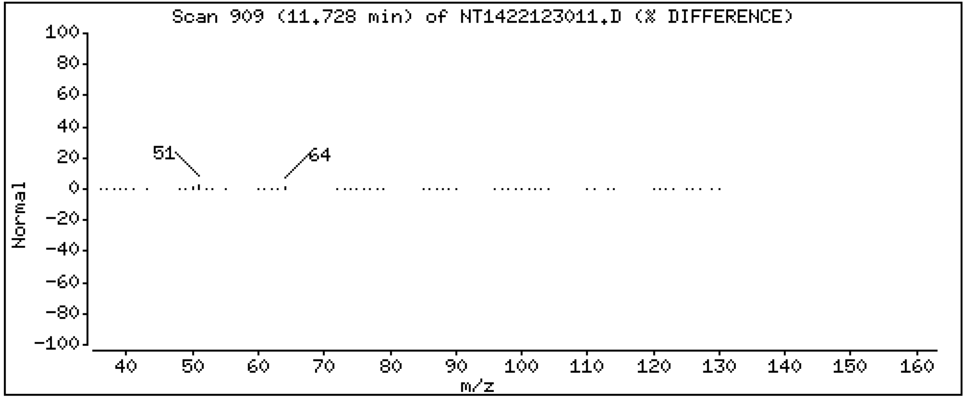
28 Naphthalene

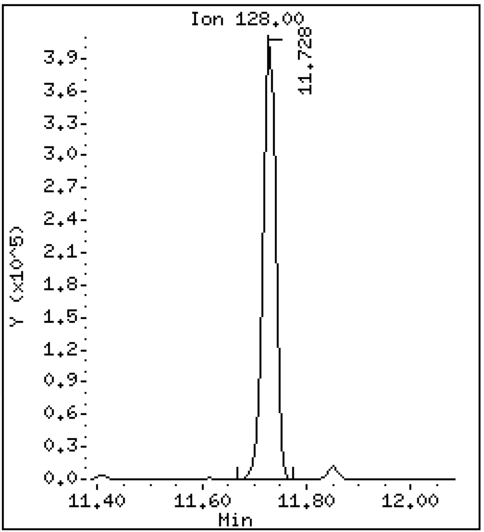
Concentration: 4.812 ug/mL

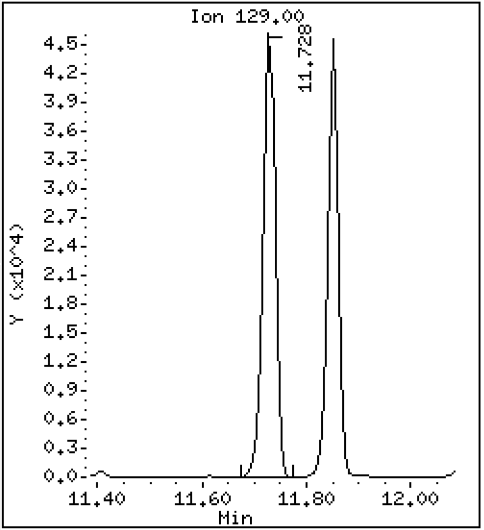

Scan 909 (11.728 min) of NT1422123011.D

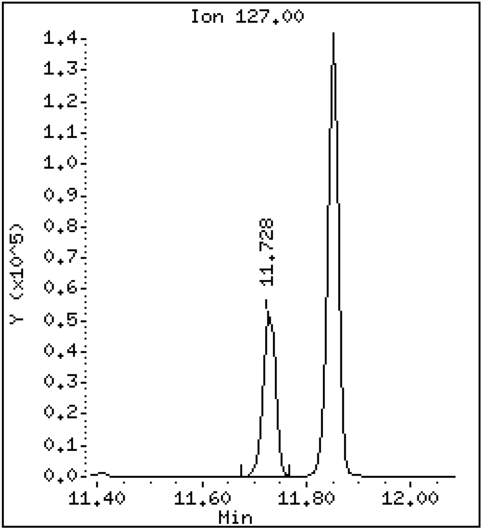

Scan 909 (11.728 min) of NT1422123011.D (Subtracted)


28 Naphthalene (Reference Spectrum)


Scan 909 (11.728 min) of NT1422123011.D (% DIFFERENCE)


Ion 128.00


Ion 129.00


Ion 127.00

Data File: \\target\share\chem3\nt14.i\20221230.b\NT1422123011.D

Date : 30-DEC-2022 13:31

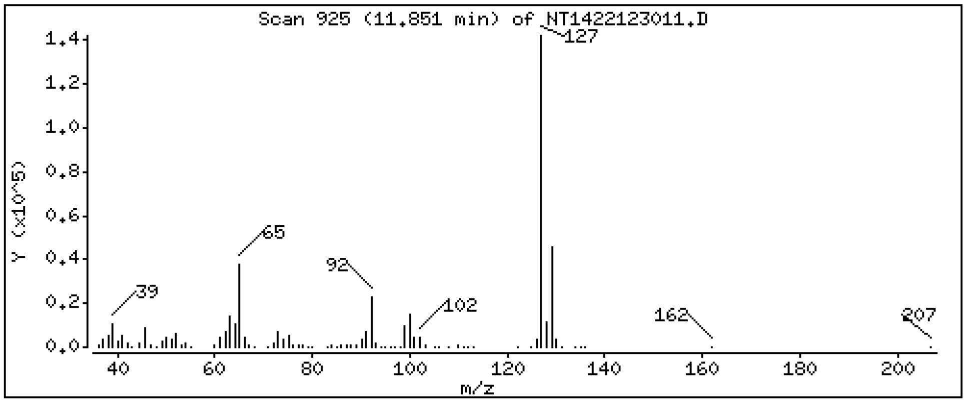
Client ID: Instrument: nt14.i

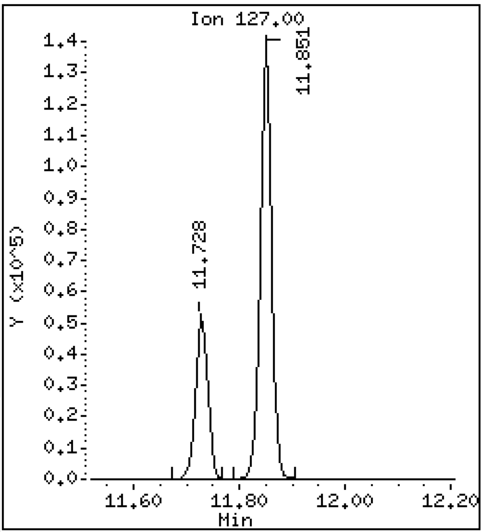
Sample Info: SKL0355-SCV1

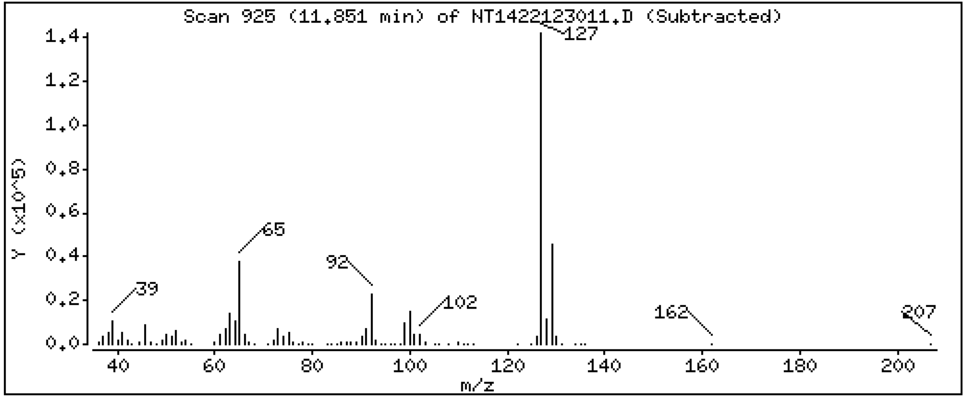
Operator: VTS

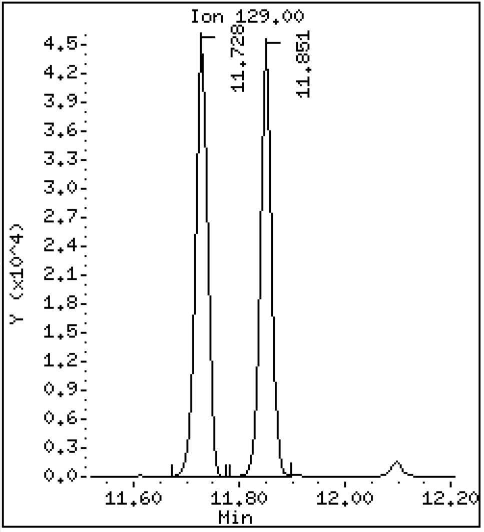
Column phase: ZB-5msi Column diameter: 0.25

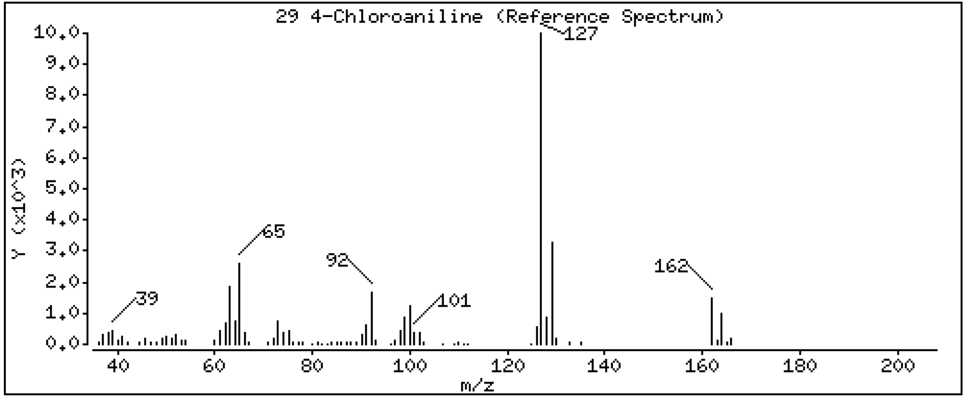
29 4-Chloroaniline Concentration: 3.849 ug/mL

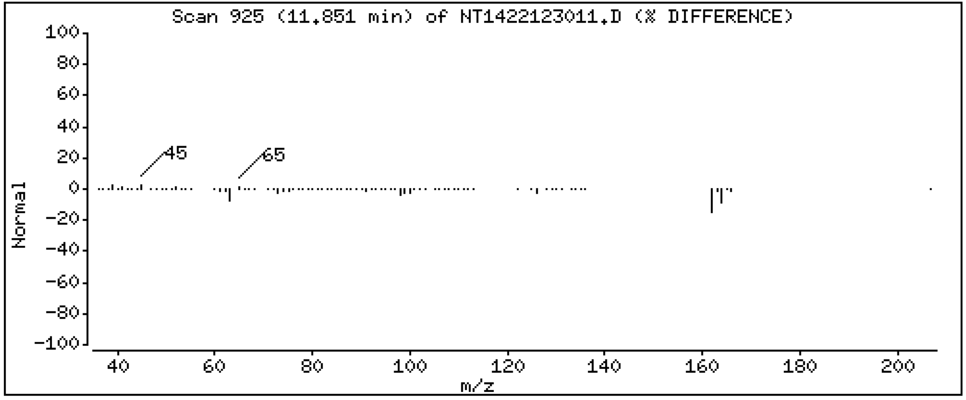

Scan 925 (11.851 min) of NT1422123011.D


Ion 127.00


Scan 925 (11.851 min) of NT1422123011.D (Subtracted)


Ion 129.00


29 4-Chloroaniline (Reference Spectrum)


Scan 925 (11.851 min) of NT1422123011.D (% DIFFERENCE)

Date : 30-DEC-2022 13:31

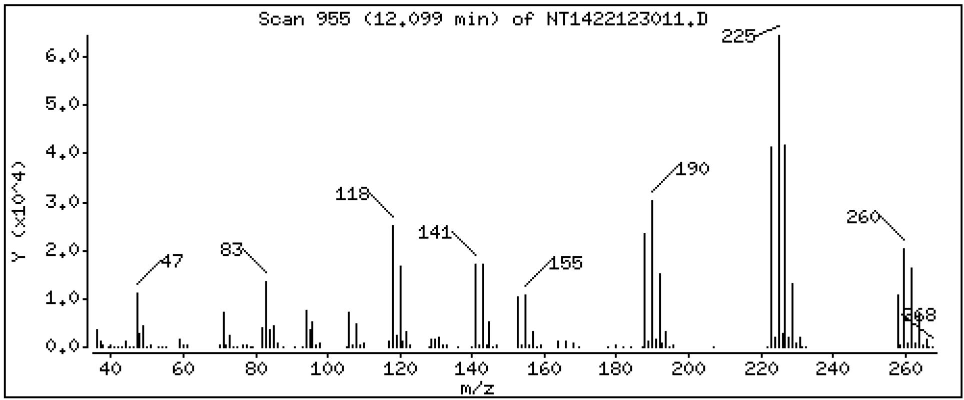
Client ID: Instrument: nt14.i

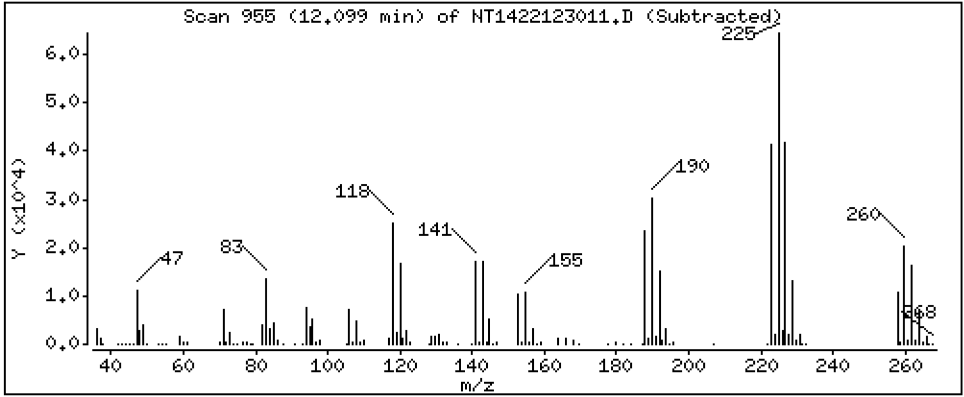
Sample Info: SKL0355-SCV1

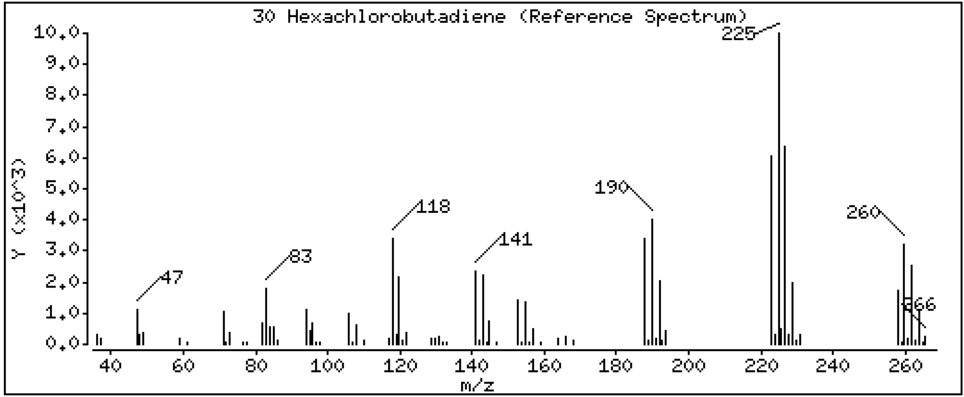
Operator: VTS

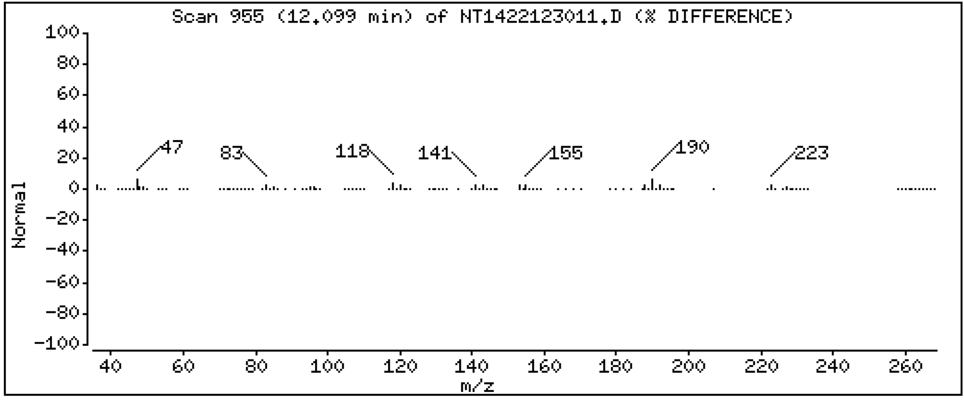
Column phase: ZB-5msi Column diameter: 0.25

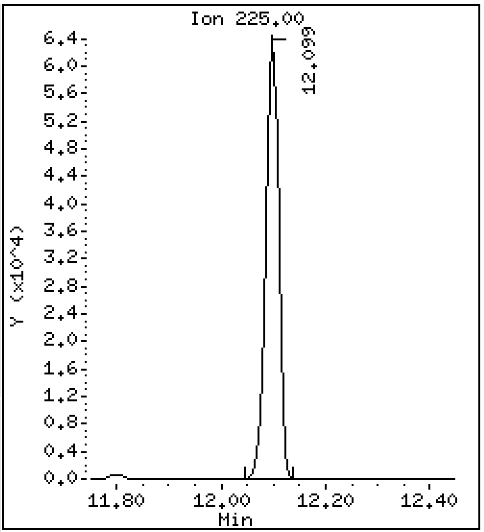
30 Hexachlorobutadiene Concentration: 4.823 ug/mL

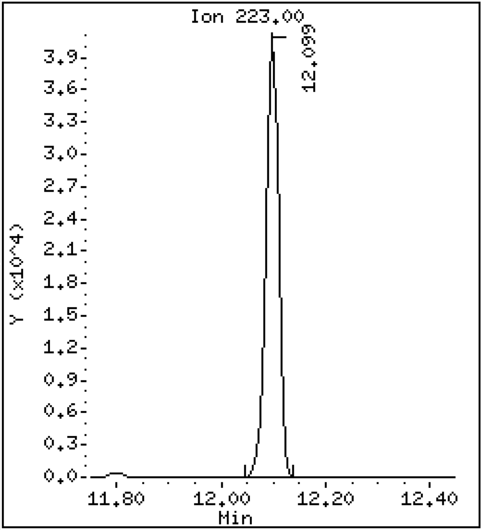


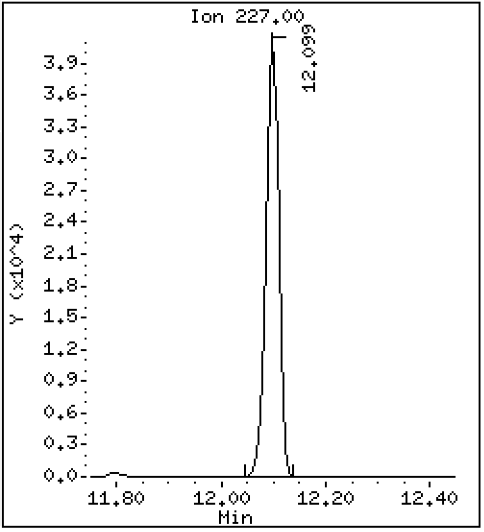












Data File: \\target\share\chem3\nt14.i\20221230.b\NT1422123011.D

Date : 30-DEC-2022 13:31

Client ID:

Instrument: nt14.i

Sample Info: SKL0355-SCV1

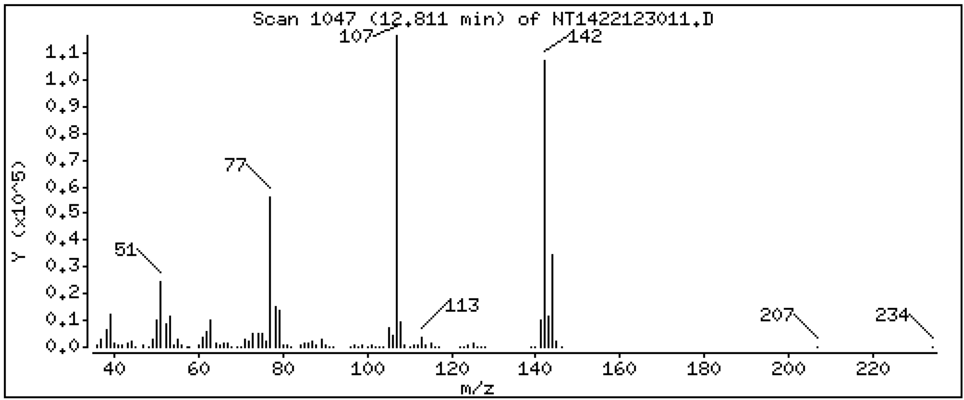
Operator: VTS

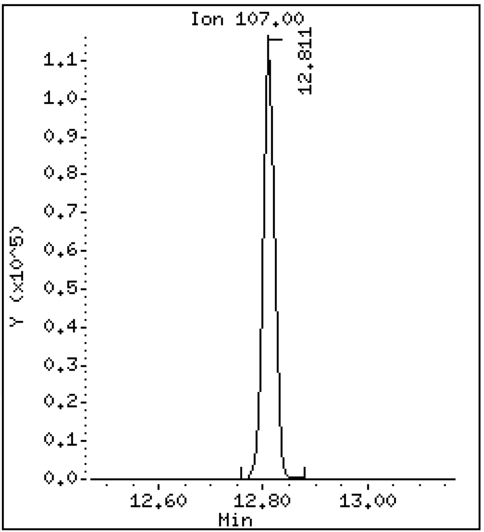
Column phase: ZB-5msi

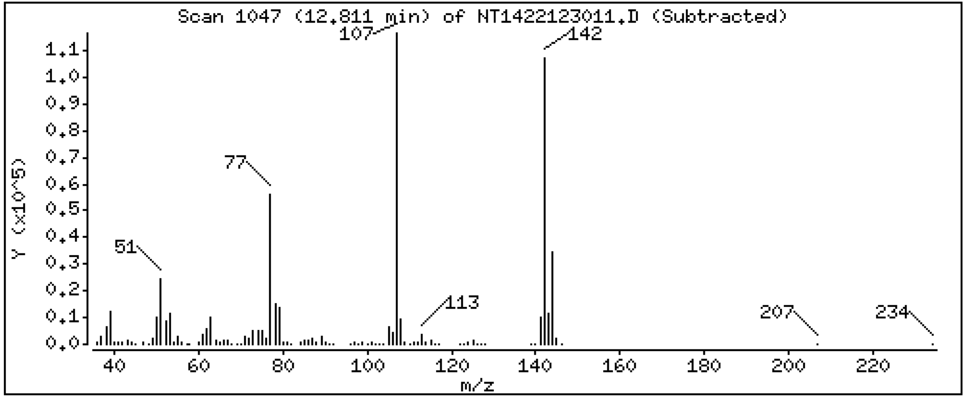
Column diameter: 0.25

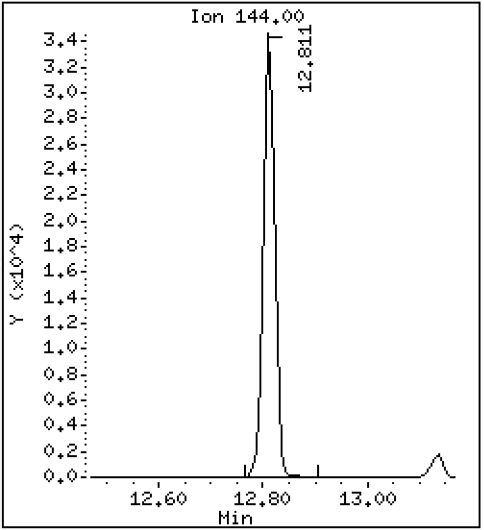
31 4-Chloro-3-methylphenol

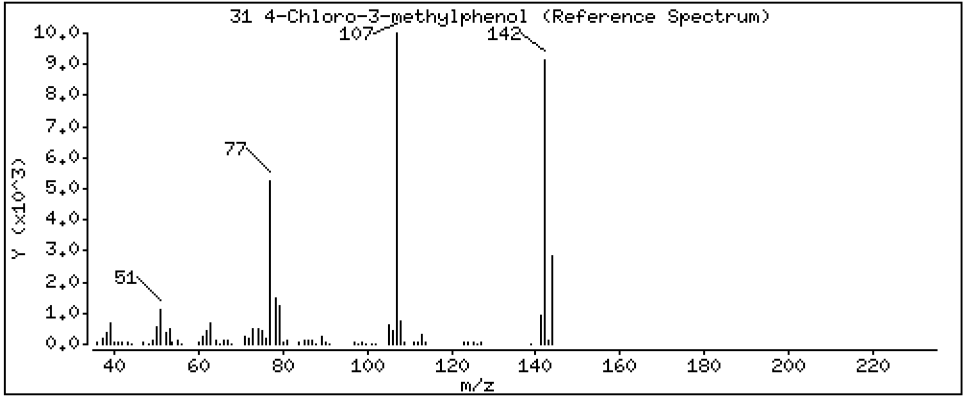
Concentration: 4.522 ug/mL

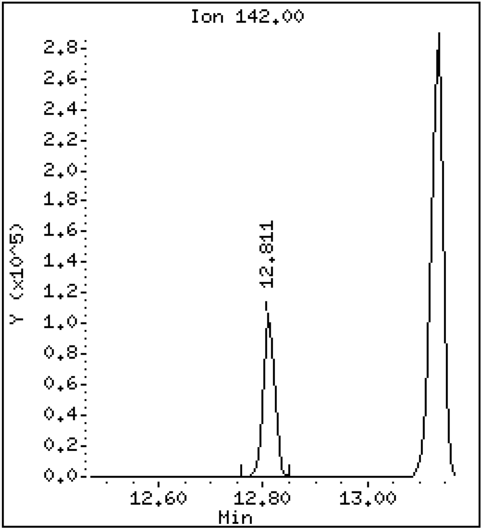


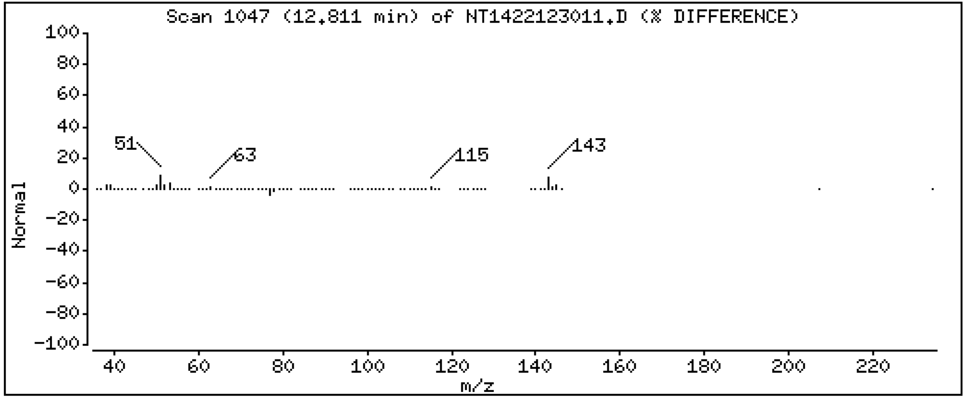












Data File: \\target\share\chem3\nt14.i\20221230.b\NT1422123011.D

Date : 30-DEC-2022 13:31

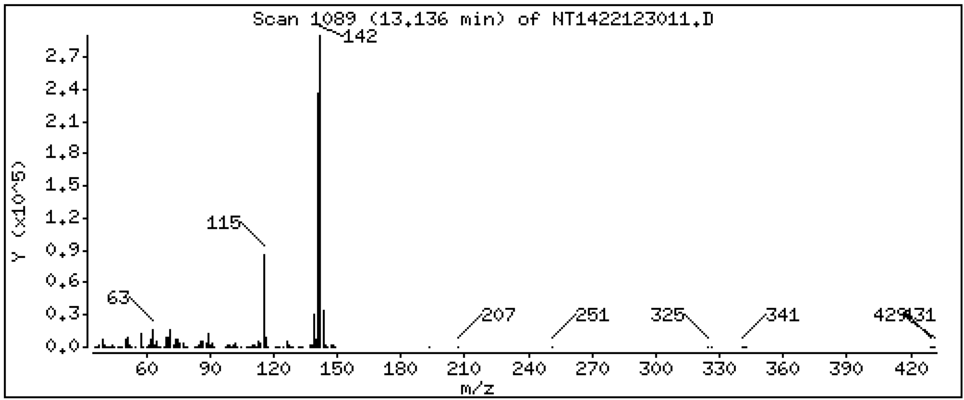
Client ID: Instrument: nt14.i

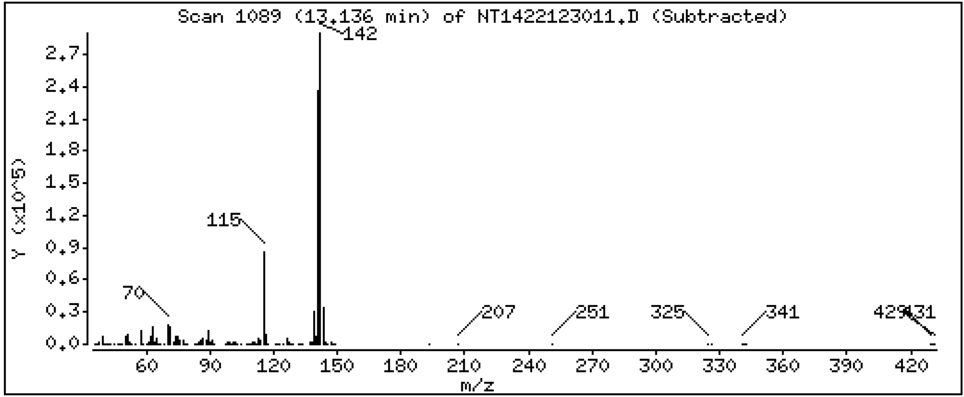
Sample Info: SKL0355-SCV1

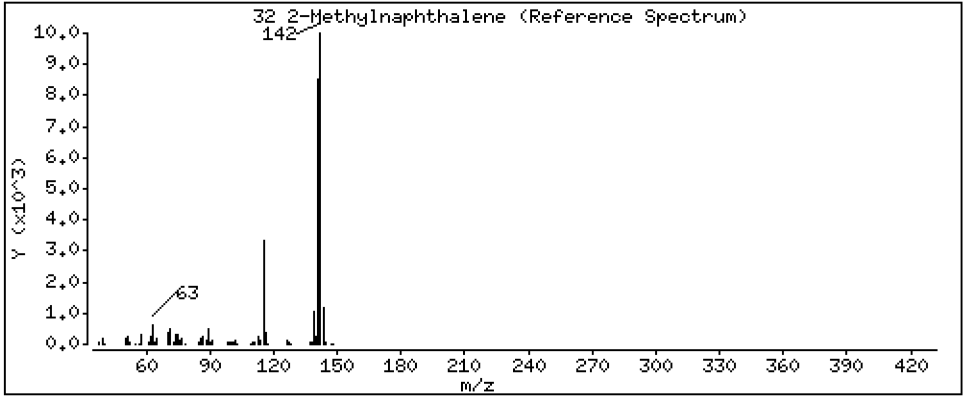
Operator: VTS

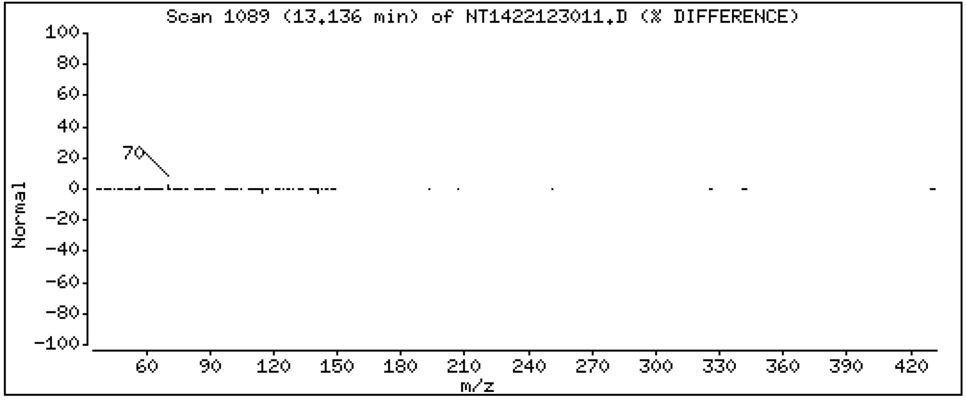
Column phase: ZB-5msi Column diameter: 0.25

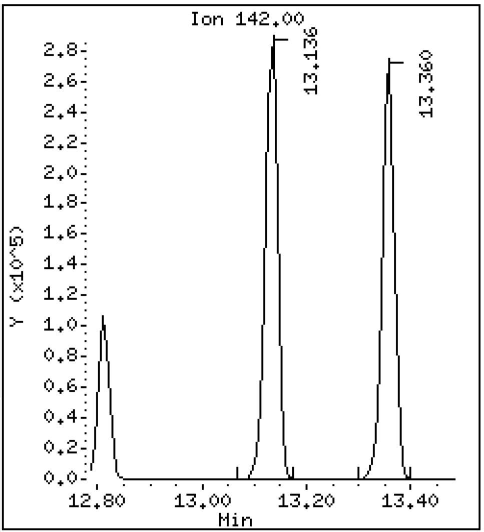
32 2-Methylnaphthalene Concentration: 4.616 ug/mL

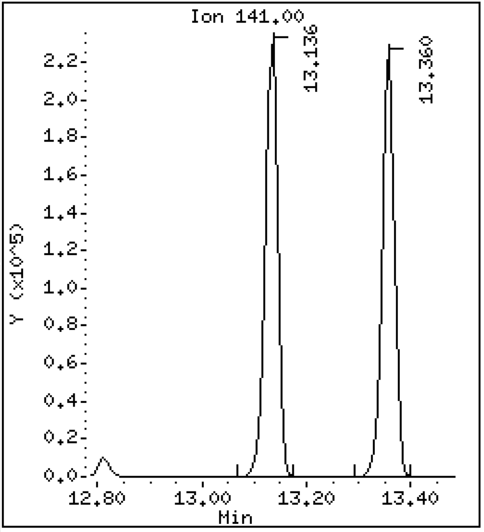

Scan 1089 (13.136 min) of NT1422123011.D


Scan 1089 (13.136 min) of NT1422123011.D (Subtracted)


32 2-Methylnaphthalene (Reference Spectrum)


Scan 1089 (13.136 min) of NT1422123011.D (% DIFFERENCE)


Ion 142.00


Ion 141.00

Data File: \\target\share\chem3\nt14.i\20221230.b\NT1422123011.D

Date : 30-DEC-2022 13:31

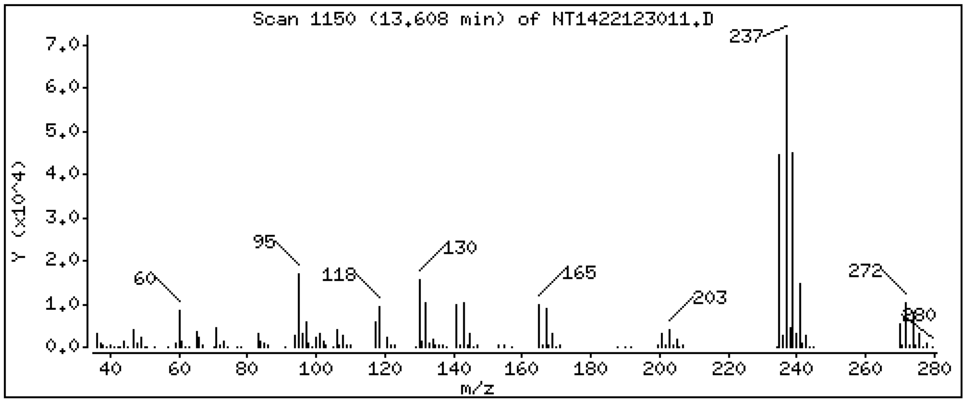
Client ID: Instrument: nt14.i

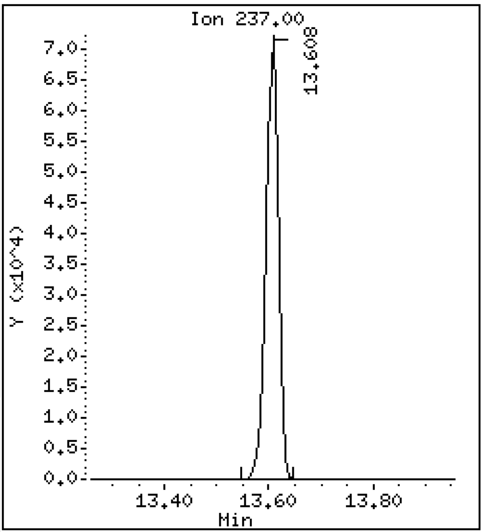
Sample Info: SKL0355-SCV1

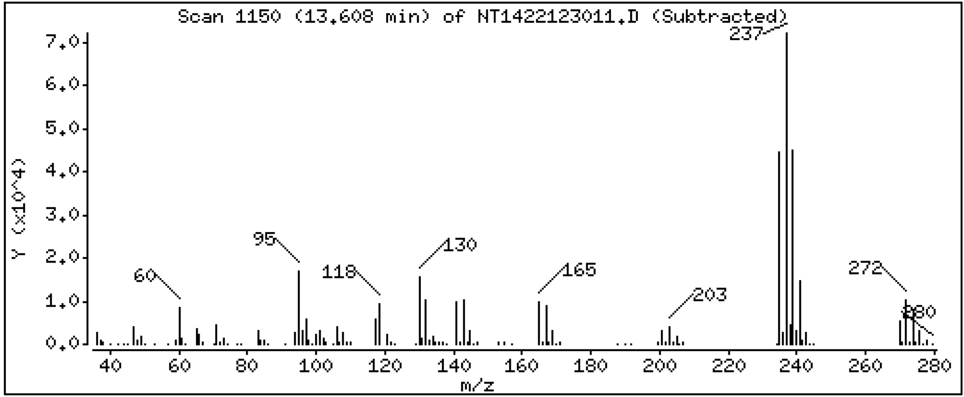
Operator: VTS

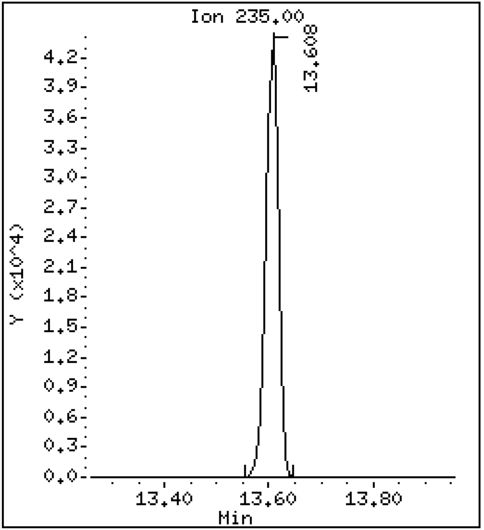
Column phase: ZB-5msi Column diameter: 0.25

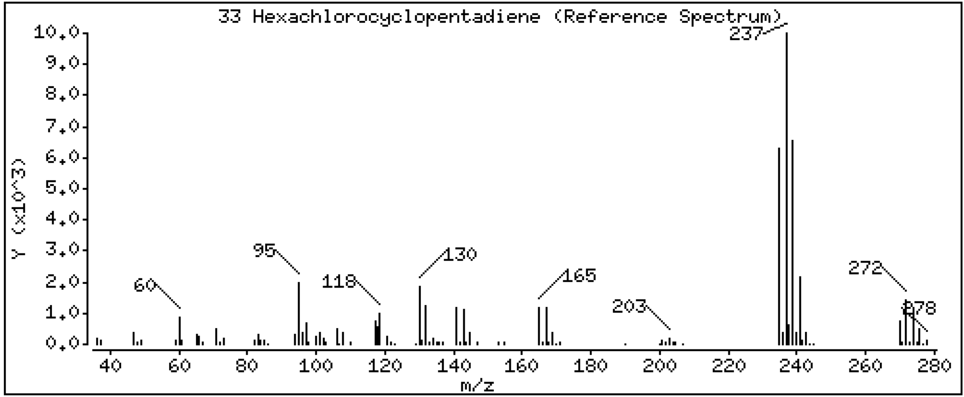
33 Hexachlorocyclopentadiene Concentration: 5.081 ug/mL

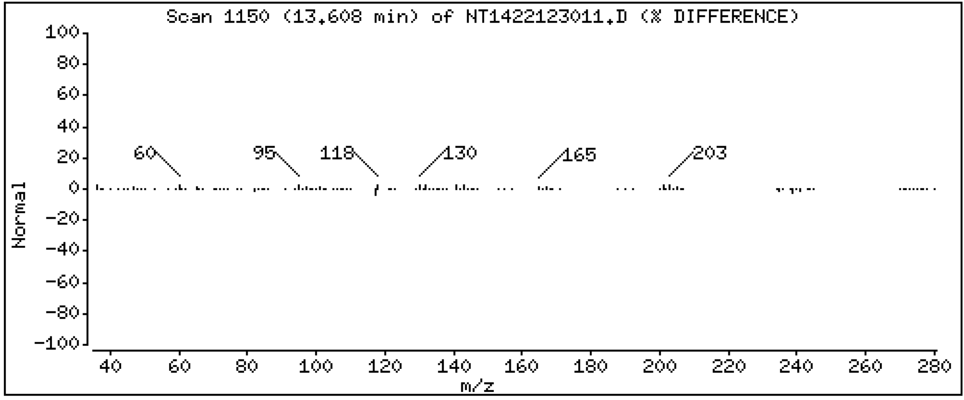

Scan 1150 (13.608 min) of NT1422123011.D

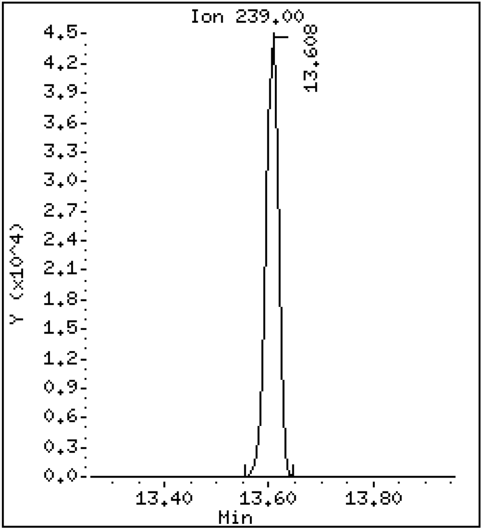

Ion 237.00


Scan 1150 (13.608 min) of NT1422123011.D (Subtracted)


Ion 235.00


33 Hexachlorocyclopentadiene (Reference Spectrum)


Scan 1150 (13.608 min) of NT1422123011.D (% DIFFERENCE)


Ion 239.00

Data File: \\target\share\chem3\nt14.i\20221230.b\NT1422123011.D

Date : 30-DEC-2022 13:31

Client ID: Instrument: nt14.i

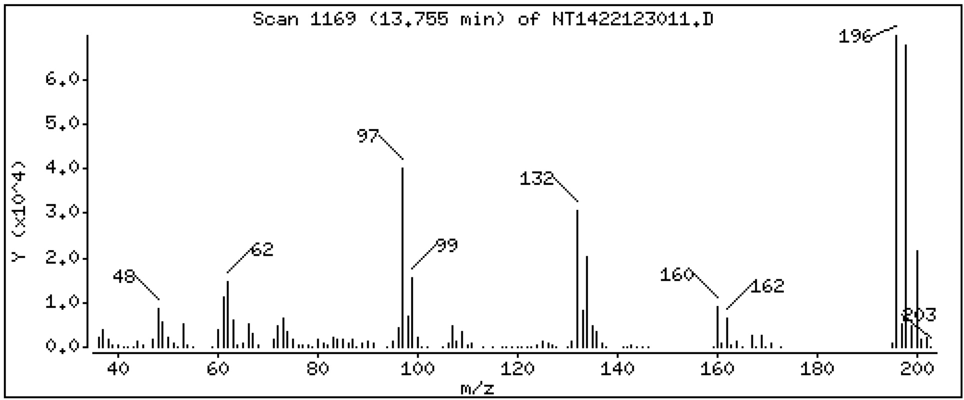
Sample Info: SKL0355-SCV1

Operator: VTS

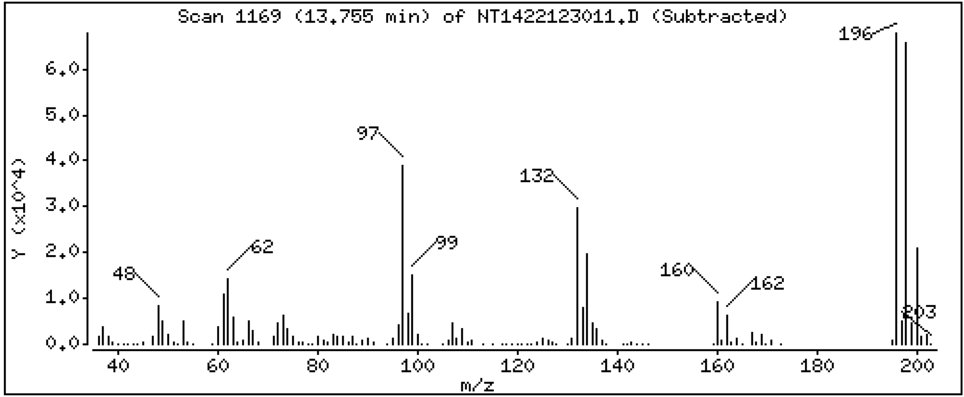
Column phase: ZB-5msi Column diameter: 0.25

34 2,4,6-Trichlorophenol Concentration: 4.407 ug/mL

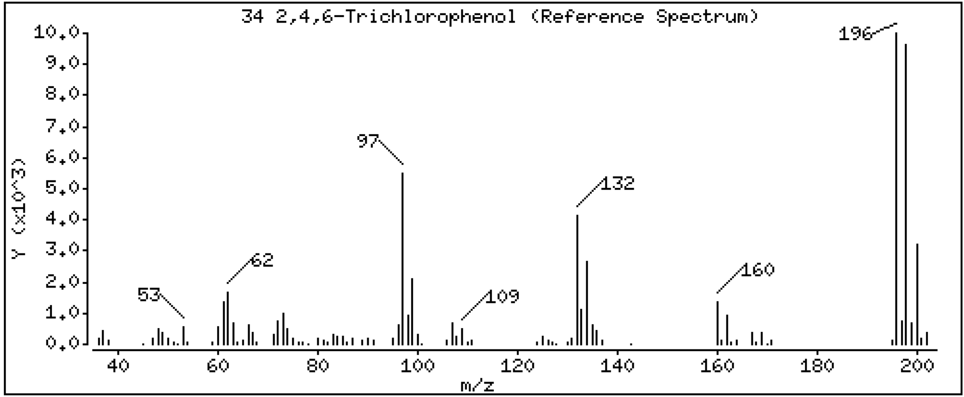
Scan 1169 (13.755 min) of NT1422123011.D



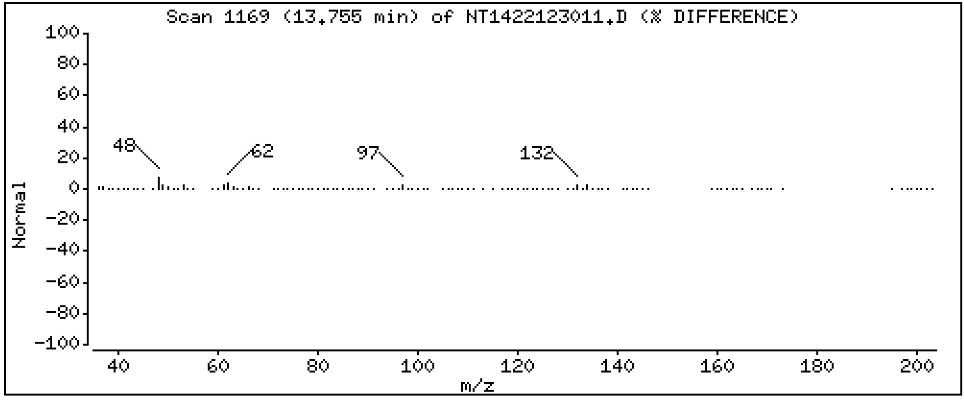
Scan 1169 (13.755 min) of NT1422123011.D (Subtracted)



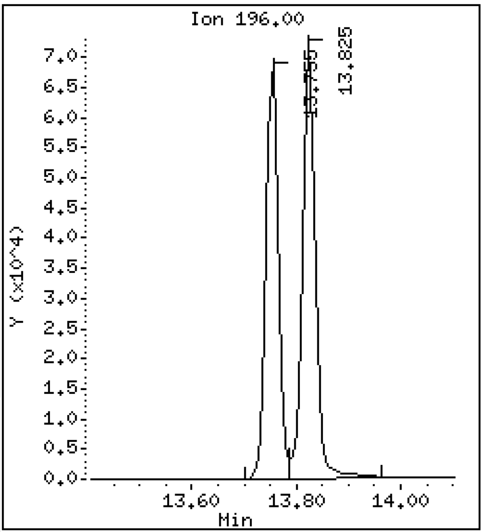
34 2,4,6-Trichlorophenol (Reference Spectrum)



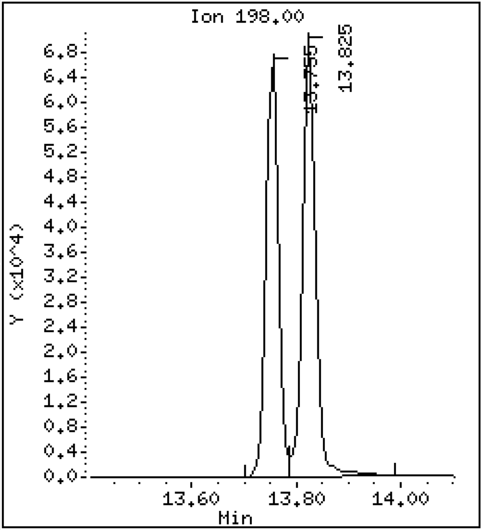
Scan 1169 (13.755 min) of NT1422123011.D (% DIFFERENCE)



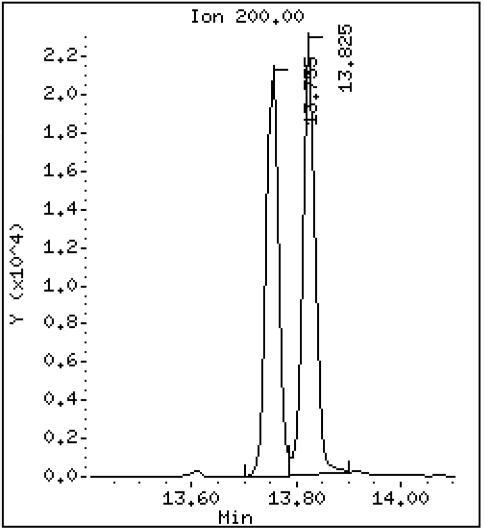
Ion 196.00



Ion 198.00



Ion 200.00



Date : 30-DEC-2022 13:31

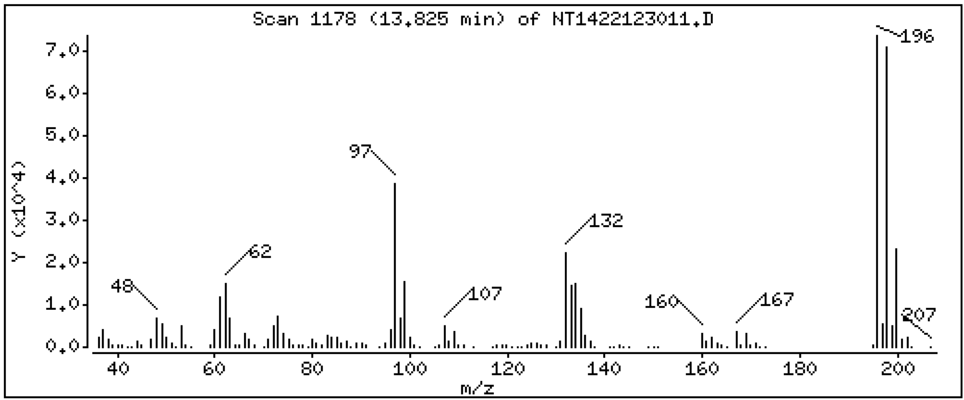
Client ID: Instrument: nt14.i

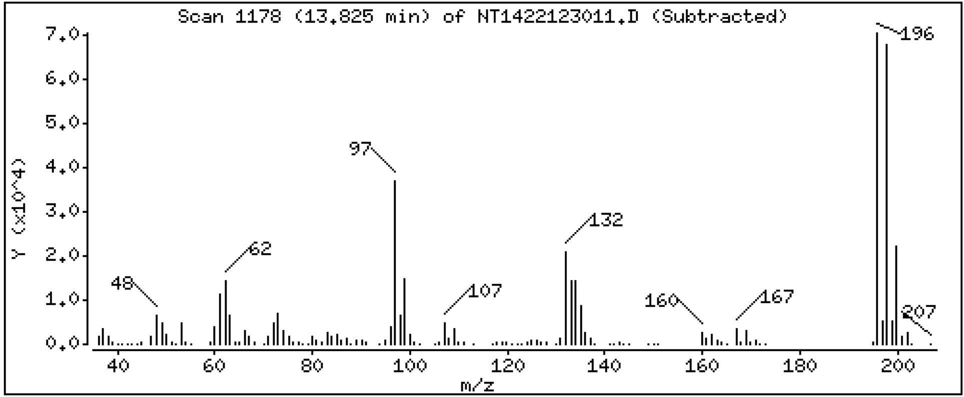
Sample Info: SKL0355-SCV1

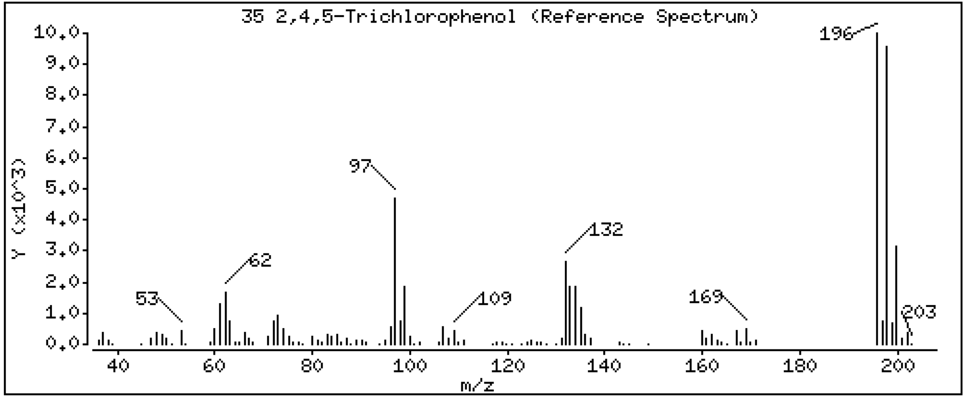
Operator: VTS

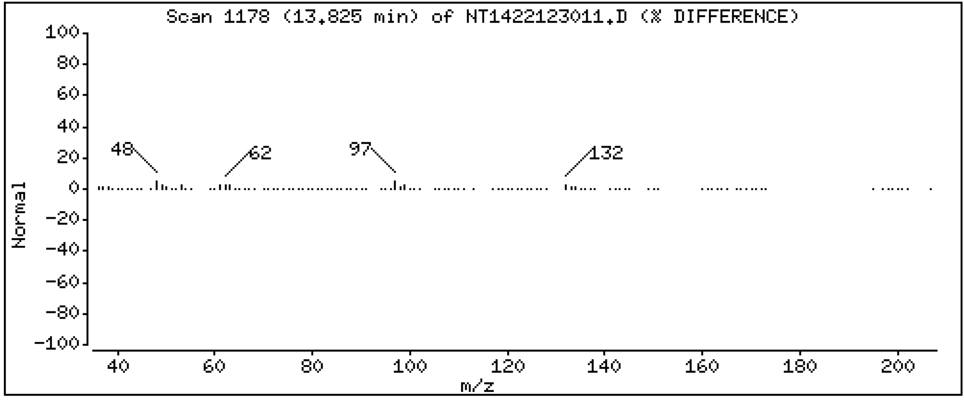
Column phase: ZB-5msi Column diameter: 0.25

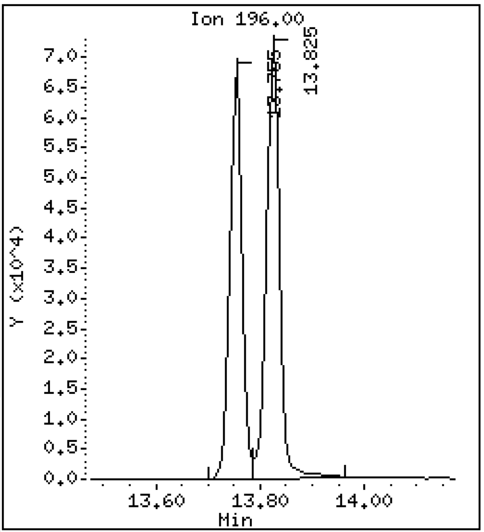
35 2,4,5-Trichlorophenol Concentration: 4.278 ug/mL

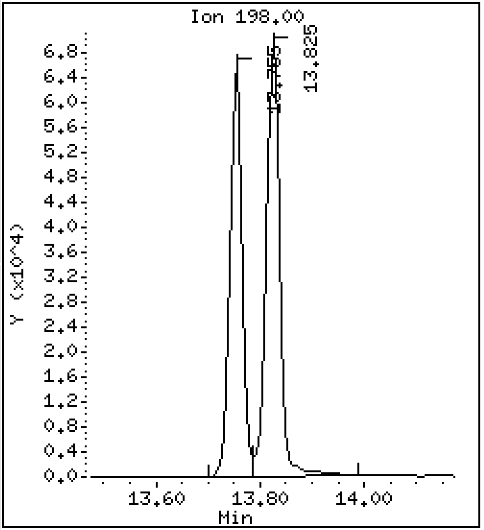

Scan 1178 (13.825 min) of NT1422123011.D

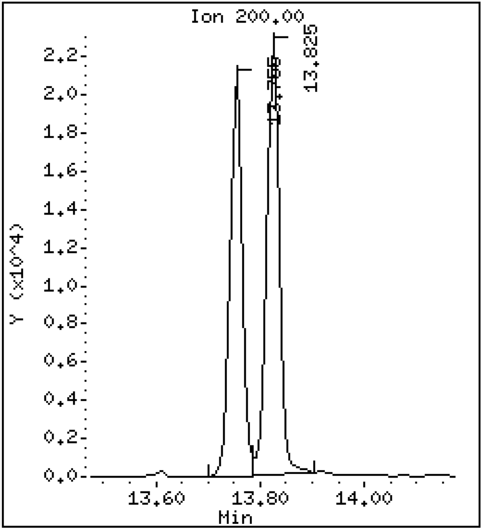

Scan 1178 (13.825 min) of NT1422123011.D (Subtracted)


35 2,4,5-Trichlorophenol (Reference Spectrum)


Scan 1178 (13.825 min) of NT1422123011.D (% DIFFERENCE)


Ion 196.00


Ion 198.00


Ion 200.00

Data File: \\target\share\chem3\nt14.i\20221230.b\NT1422123011.D

Date : 30-DEC-2022 13:31

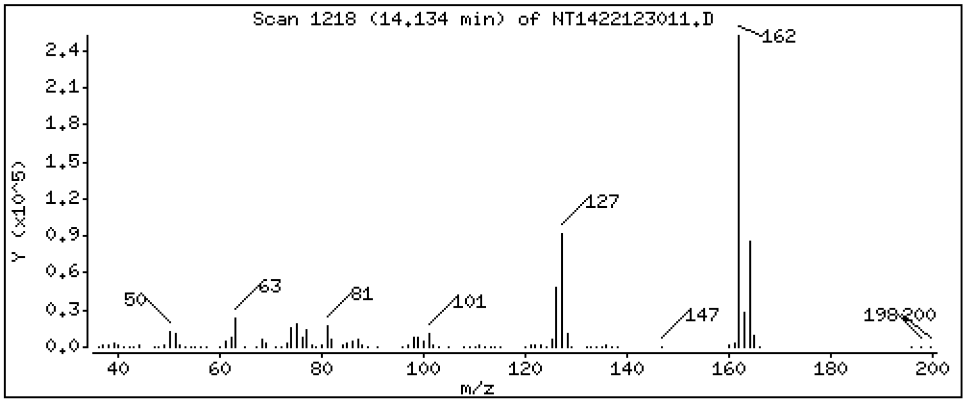
Client ID: Instrument: nt14.i

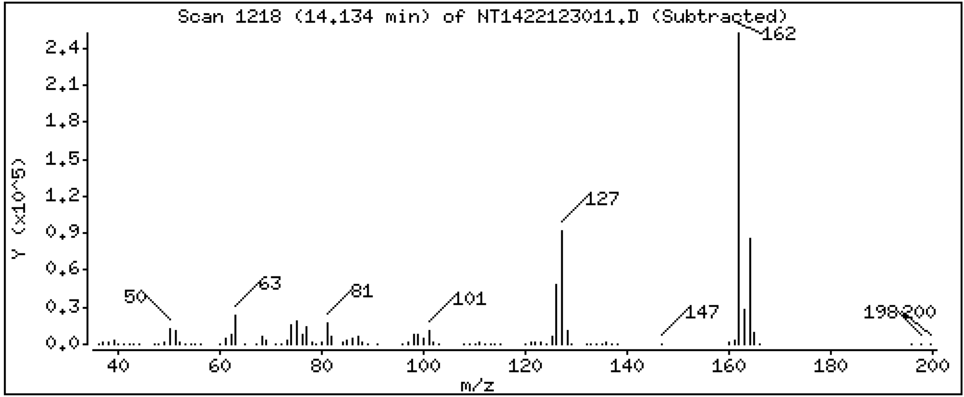
Sample Info: SKL0355-SCV1

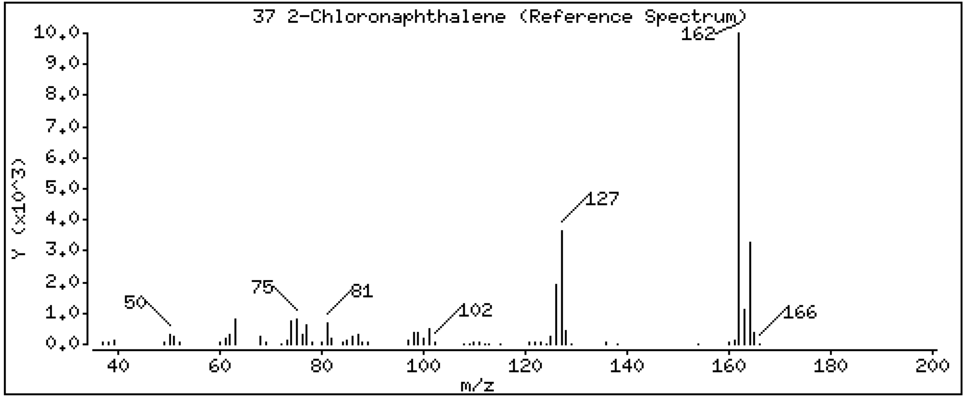
Operator: VTS

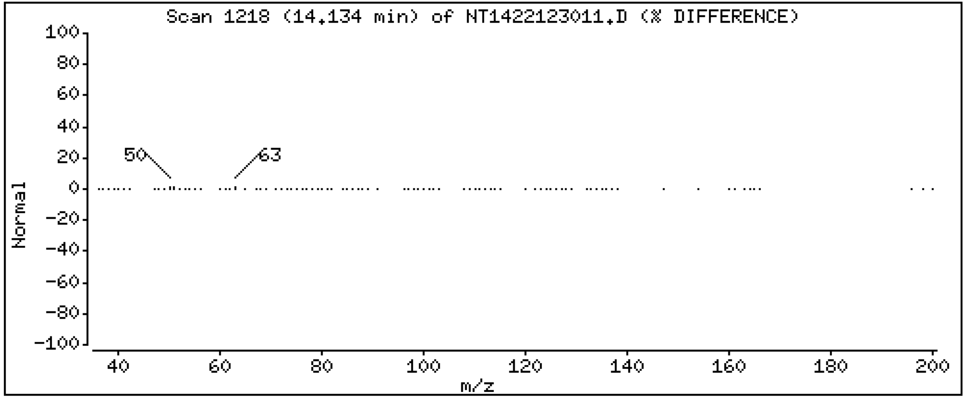
Column phase: ZB-5msi Column diameter: 0.25

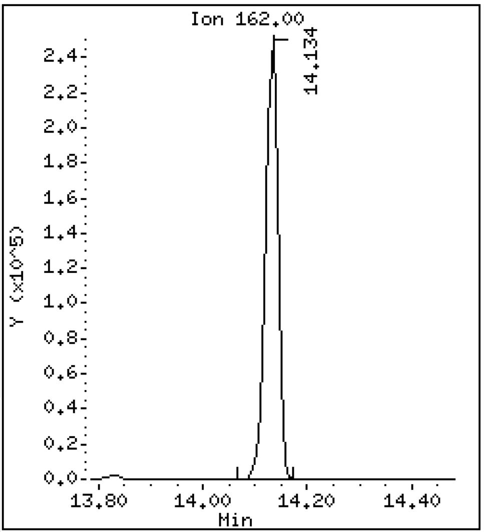
37 2-Chloronaphthalene Concentration: 4.754 ug/mL


Scan 1218 (14.134 min) of NT1422123011.D


Scan 1218 (14.134 min) of NT1422123011.D (Subtracted)


37 2-Chloronaphthalene (Reference Spectrum)


Scan 1218 (14.134 min) of NT1422123011.D (% DIFFERENCE)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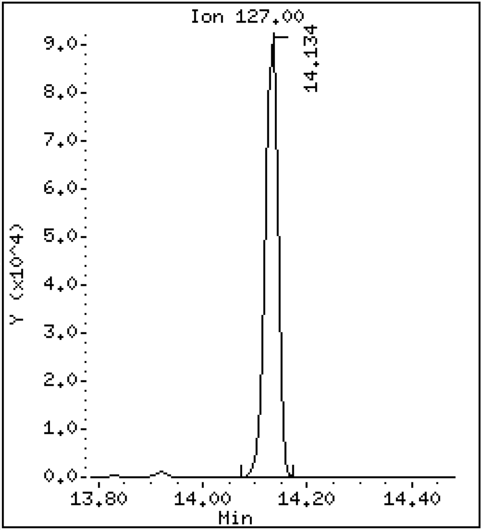
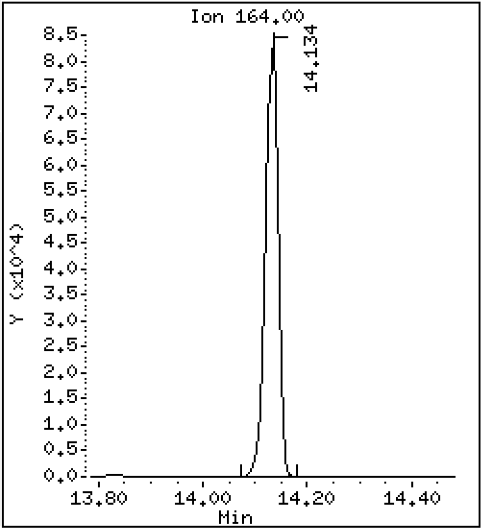

Ion 127.00


Ion 164.00

Data File: \\target\share\chem3\nt14.i\20221230.b\NT1422123011.D

Date : 30-DEC-2022 13:31

Client ID:

Instrument: nt14.i

Sample Info: SKL0355-SCV1

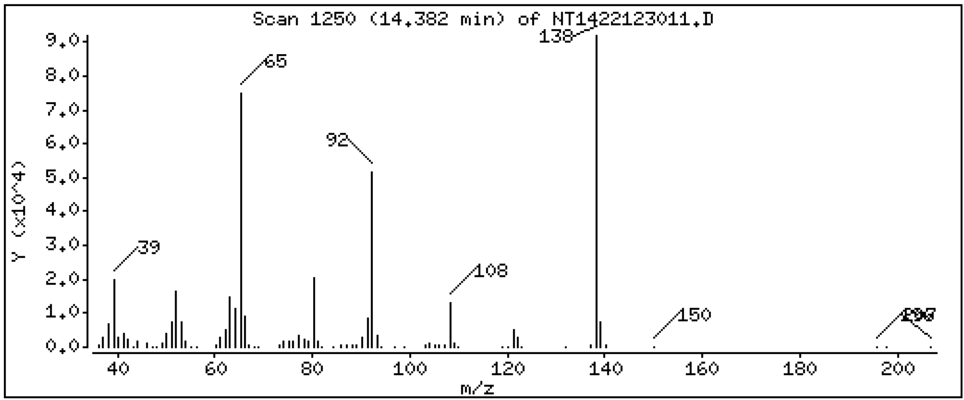
Operator: VTS

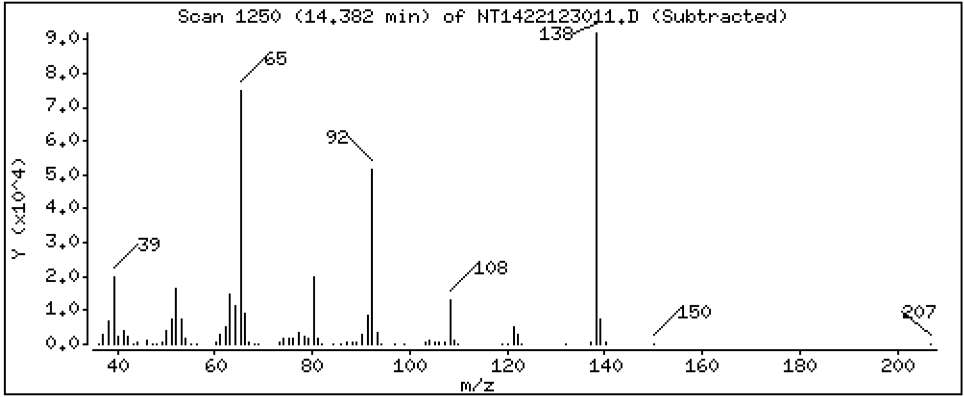
Column phase: ZB-5msi

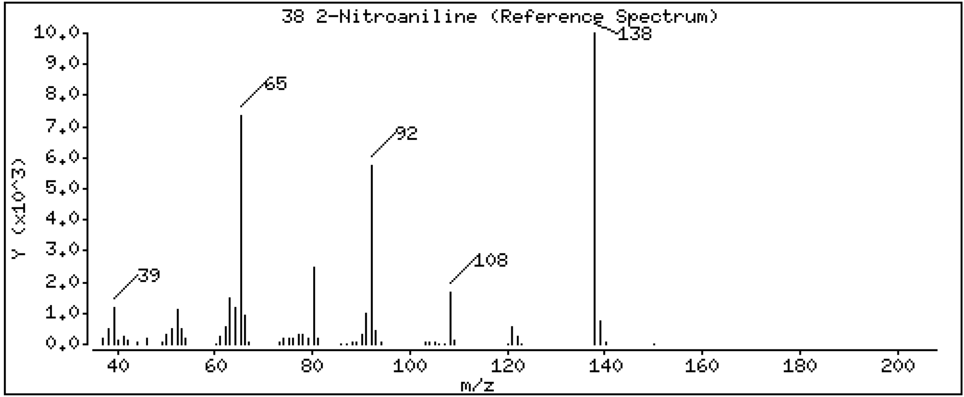
Column diameter: 0.25

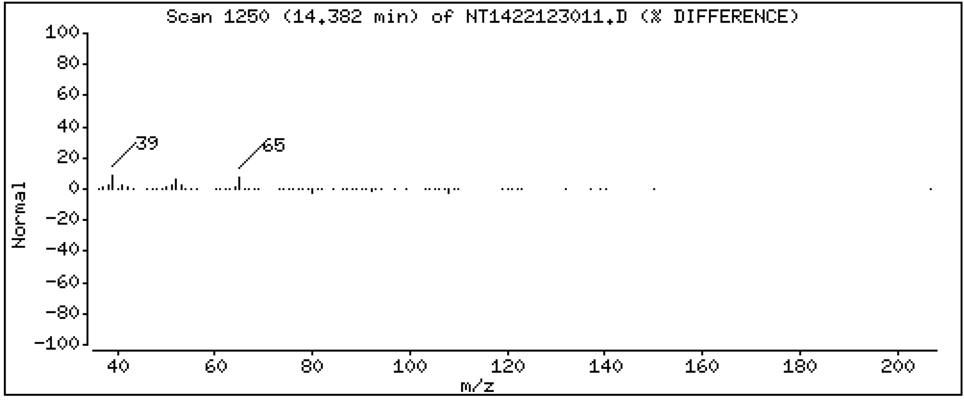
38 2-Nitroaniline

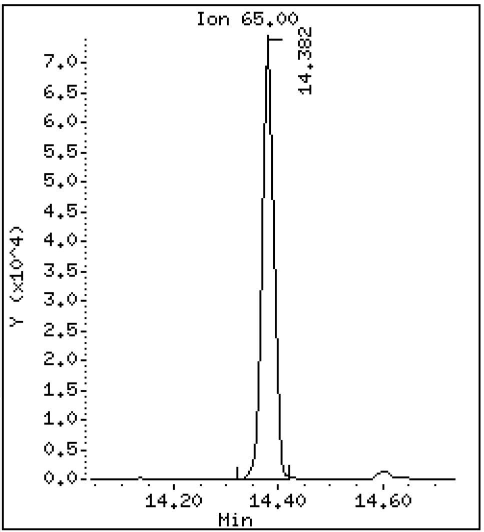
Concentration: 5.043 ug/mL

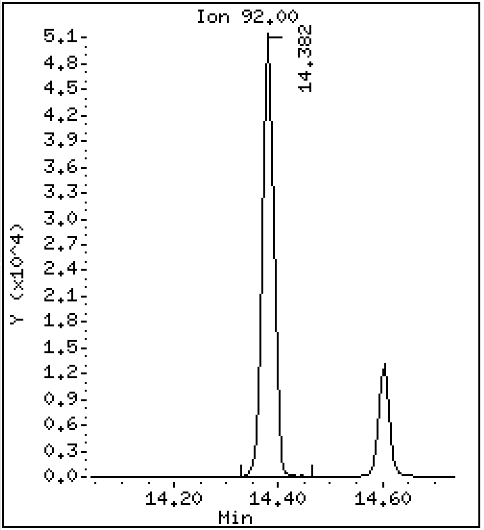

Scan 1250 (14.382 min) of NT1422123011.D

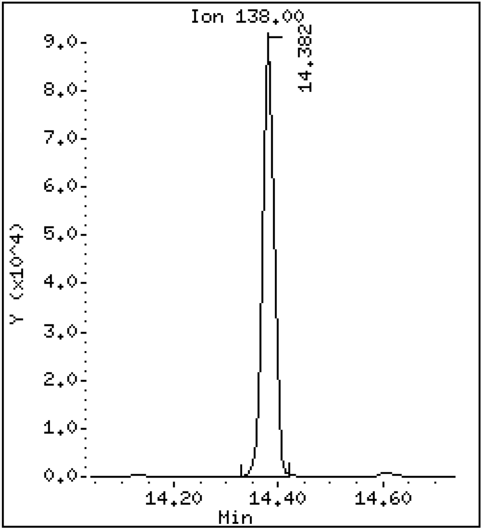

Scan 1250 (14.382 min) of NT1422123011.D (Subtracted)


38 2-Nitroaniline (Reference Spectrum)


Scan 1250 (14.382 min) of NT1422123011.D (% DIFFERENCE)


Ion 65.00


Ion 92.00


Ion 138.00

Data File: \\target\share\chem3\nt14.i\20221230.b\NT1422123011.D

Date : 30-DEC-2022 13:31

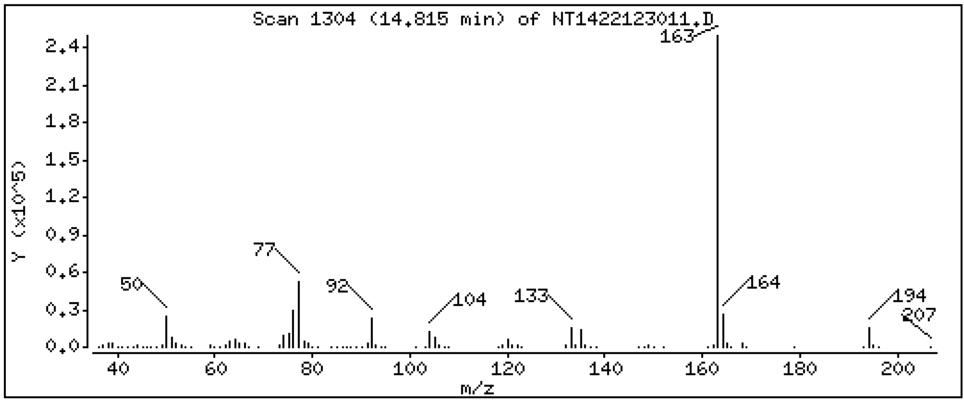
Client ID: Instrument: nt14.i

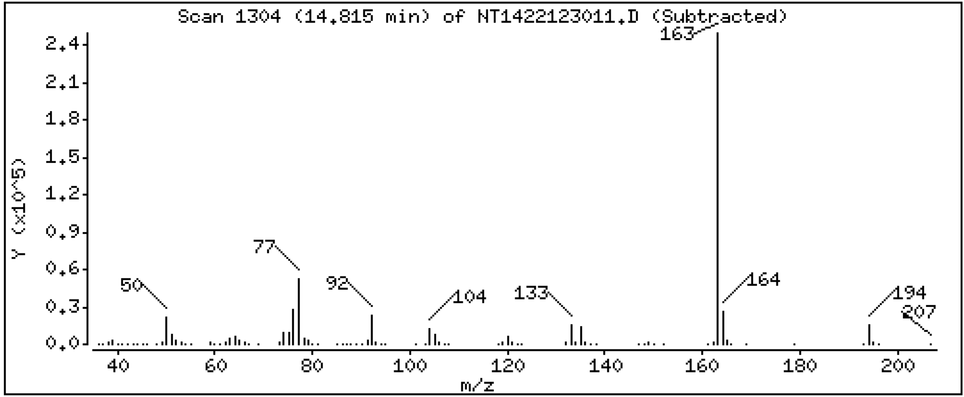
Sample Info: SKL0355-SCV1

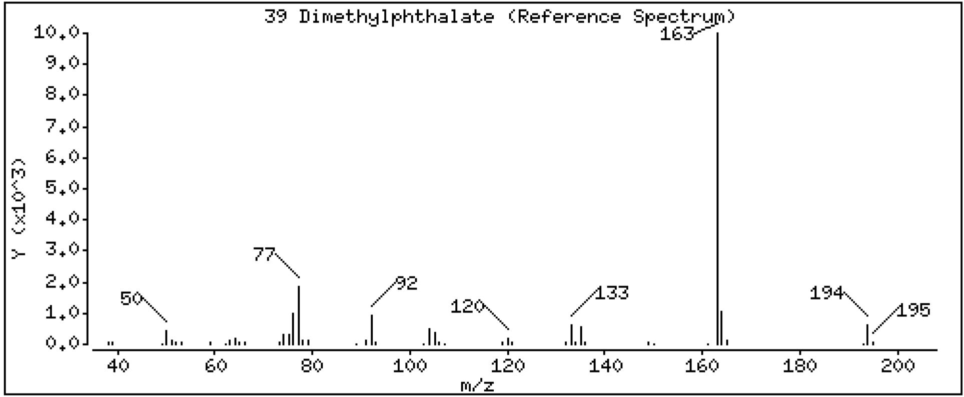
Operator: VTS

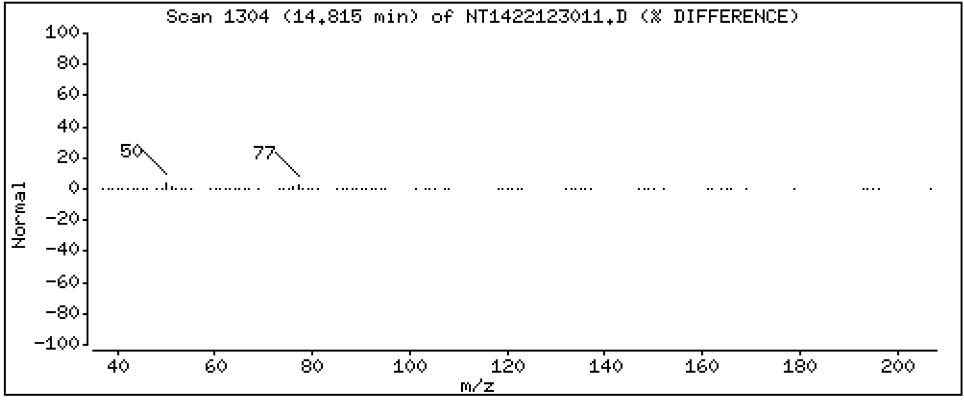
Column phase: ZB-5msi Column diameter: 0.25

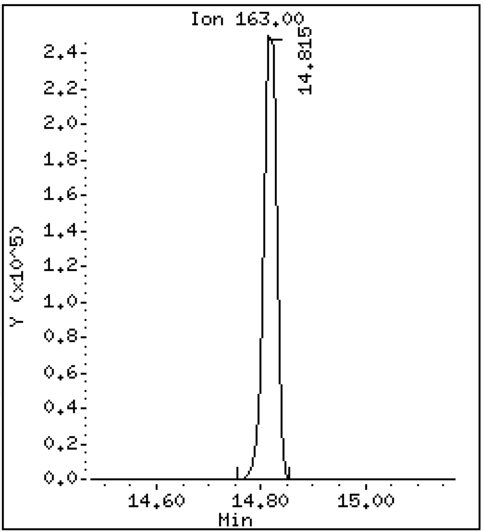
39 Dimethylphthalate Concentration: 5.023 ug/mL

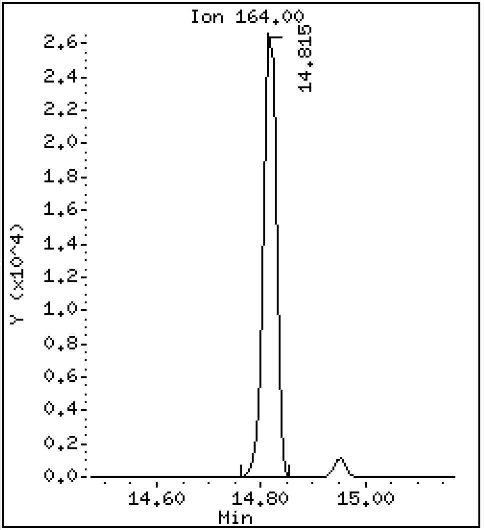

Scan 1304 (14.815 min) of NT1422123011.D

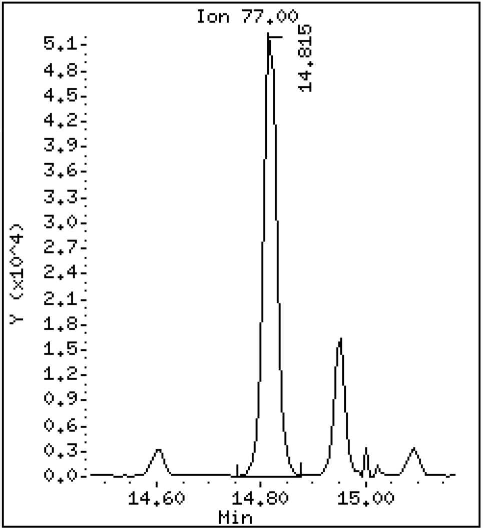

Scan 1304 (14.815 min) of NT1422123011.D (Subtracted)


39 Dimethylphthalate (Reference Spectrum)


Scan 1304 (14.815 min) of NT1422123011.D (% DIFFERENCE)


Ion 163.00


Ion 164.00


Ion 77.00

Data File: \\target\share\chem3\nt14.i\20221230.b\NT1422123011.D

Date : 30-DEC-2022 13:31

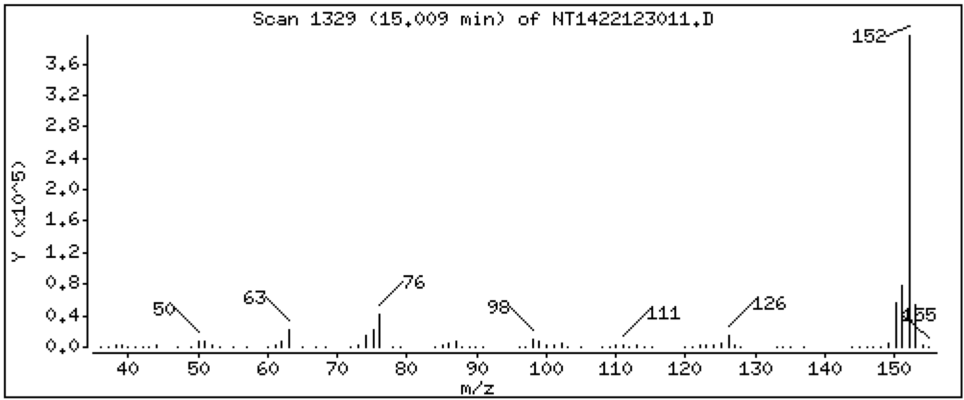
Client ID: Instrument: nt14.i

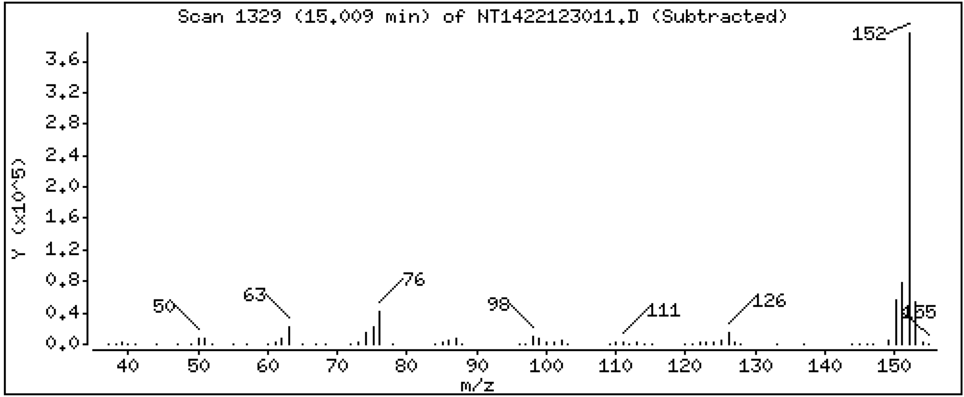
Sample Info: SKL0355-SCV1

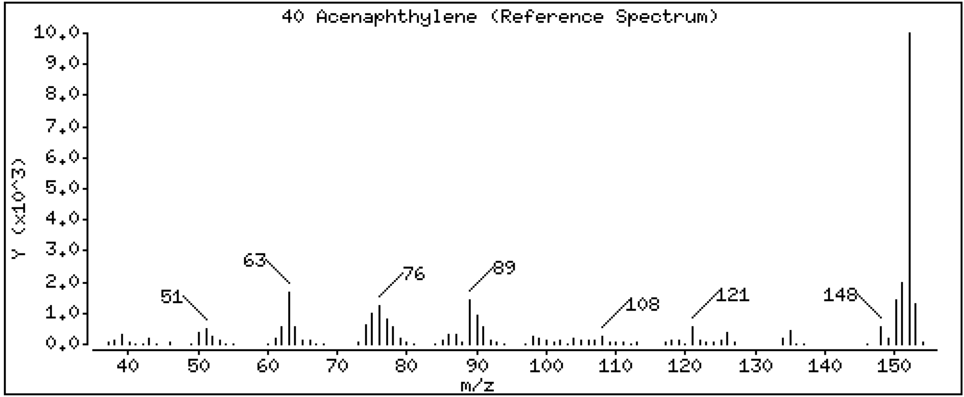
Operator: VTS

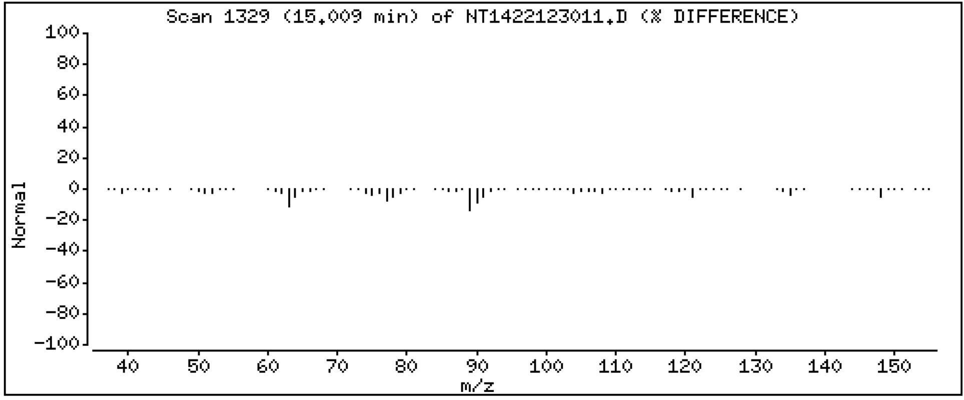
Column phase: ZB-5msi Column diameter: 0.25

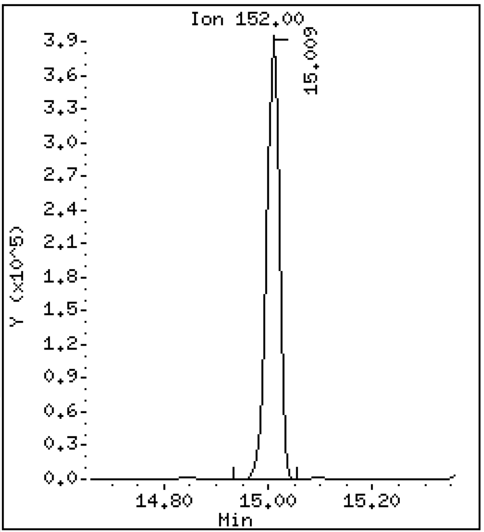
40 Acenaphthylene Concentration: 5.000 ug/mL

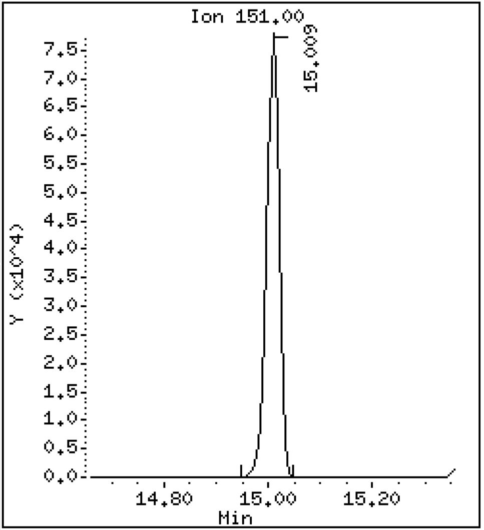

Scan 1329 (15.009 min) of NT1422123011.D

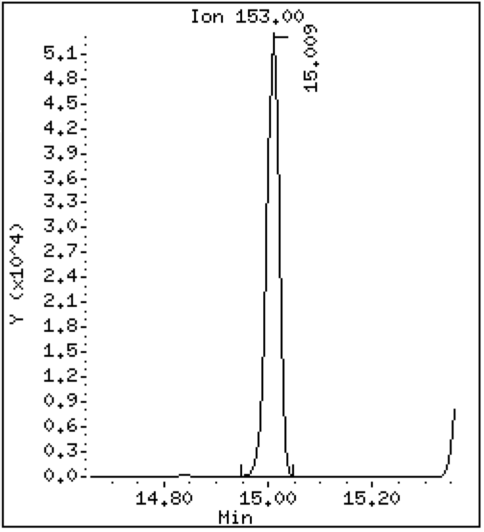

Scan 1329 (15.009 min) of NT1422123011.D (Subtracted)


40 Acenaphthylene (Reference Spectrum)


Scan 1329 (15.009 min) of NT1422123011.D (% DIFFERENCE)


Ion 152.00


Ion 151.00


Ion 153.00

Data File: \\target\share\chem3\nt14.i\20221230.b\NT1422123011.D

Date : 30-DEC-2022 13:31

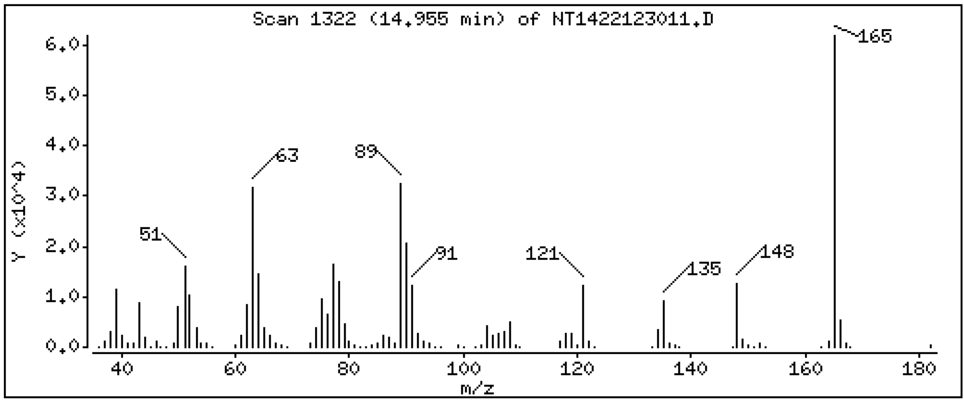
Client ID: Instrument: nt14.i

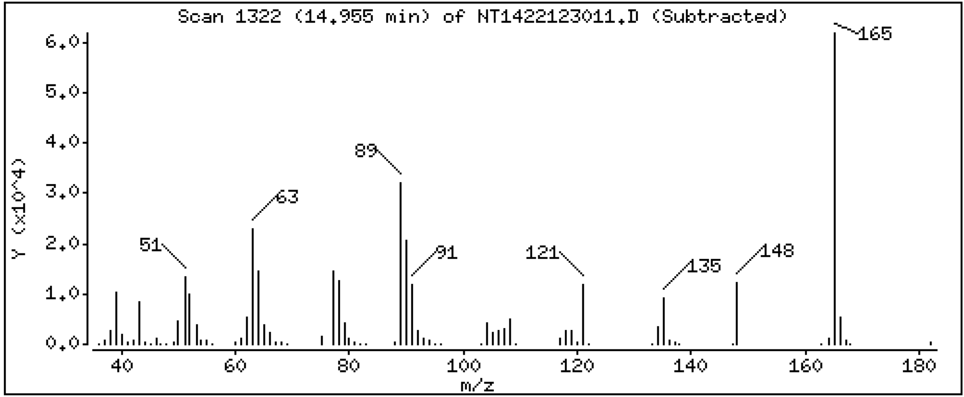
Sample Info: SKL0355-SCV1

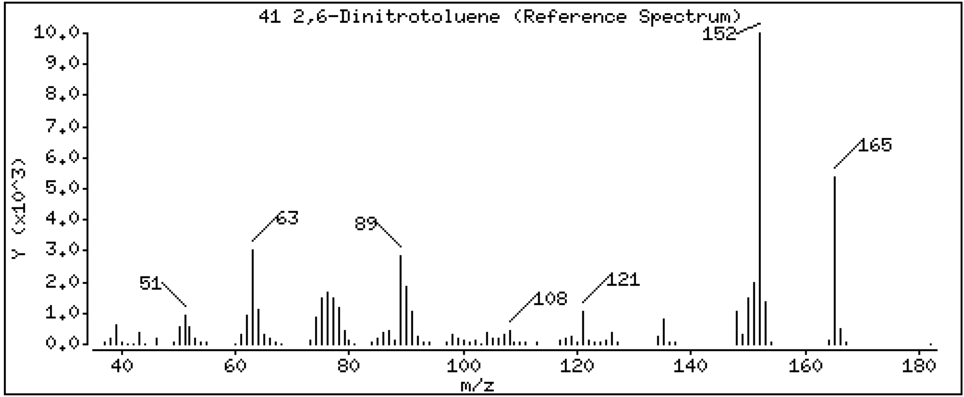
Operator: VTS

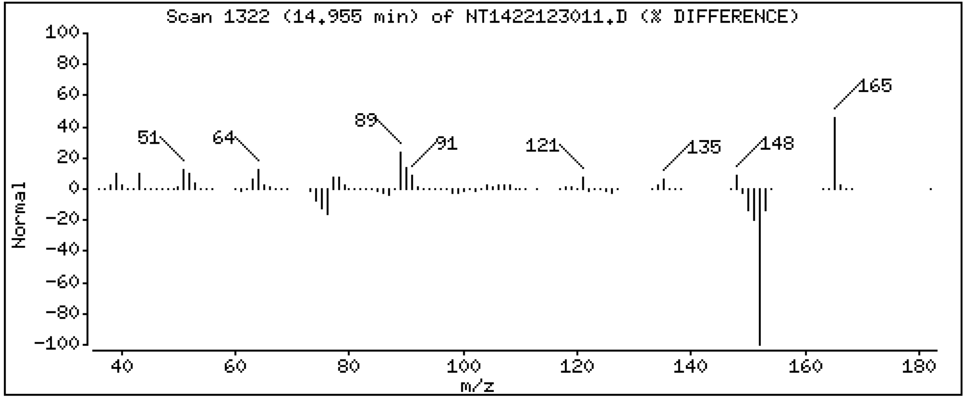
Column phase: ZB-5msi Column diameter: 0.25

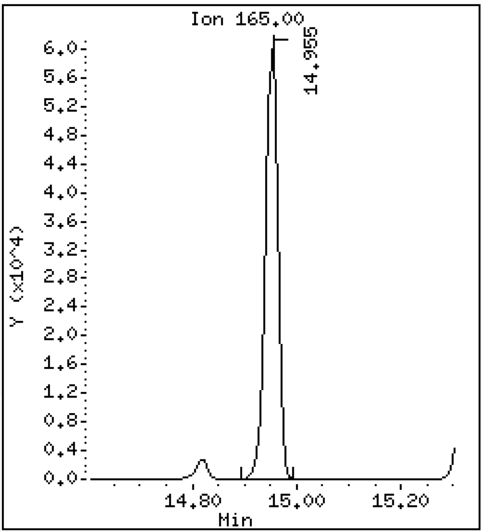
41 2,6-Dinitrotoluene Concentration: 5.115 ug/mL

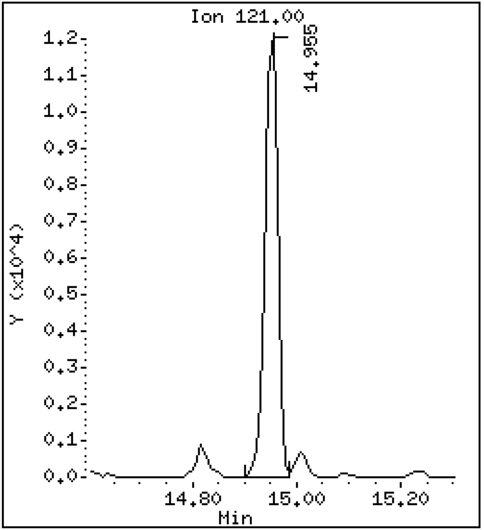

Scan 1322 (14.955 min) of NT1422123011.D

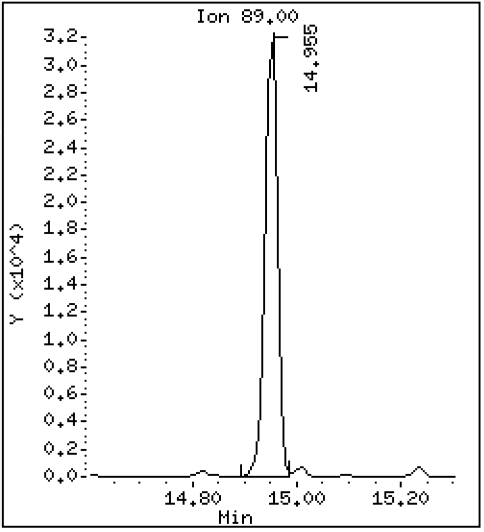

Scan 1322 (14.955 min) of NT1422123011.D (Subtracted)


41 2,6-Dinitrotoluene (Reference Spectrum)


Scan 1322 (14.955 min) of NT1422123011.D (% DIFFERENCE)


Ion 165.00


Ion 121.00


Ion 89.00

Data File: \\target\share\chem3\nt14.i\20221230.b\NT1422123011.D

Date : 30-DEC-2022 13:31

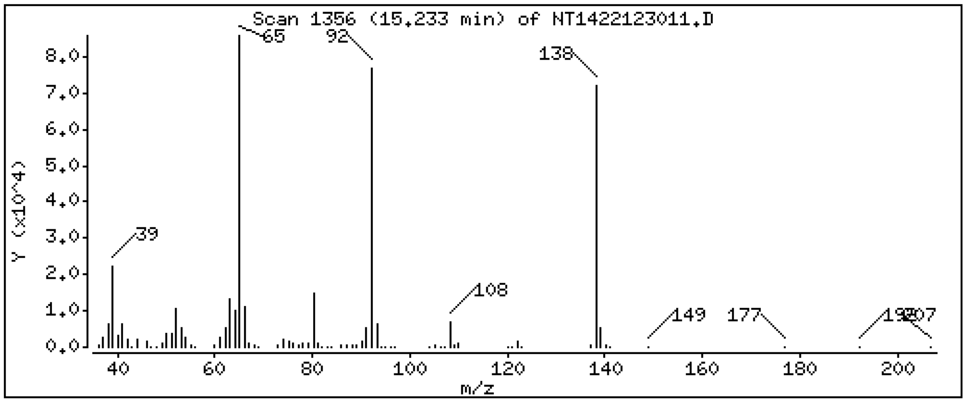
Client ID: Instrument: nt14.i

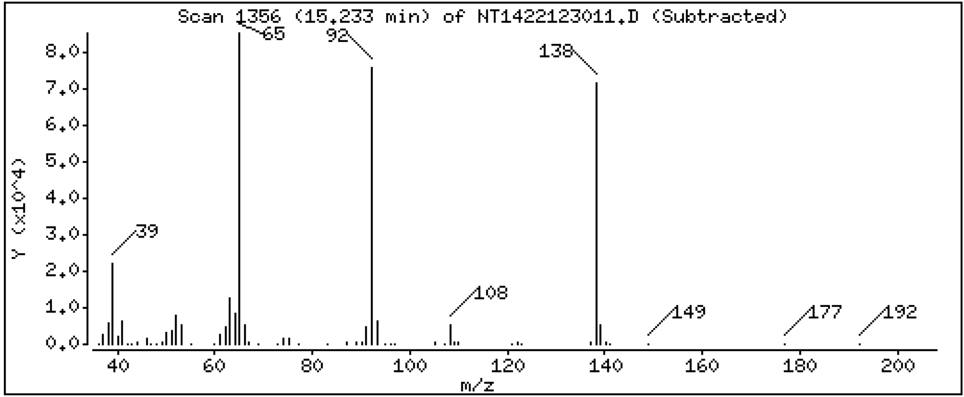
Sample Info: SKL0355-SCV1

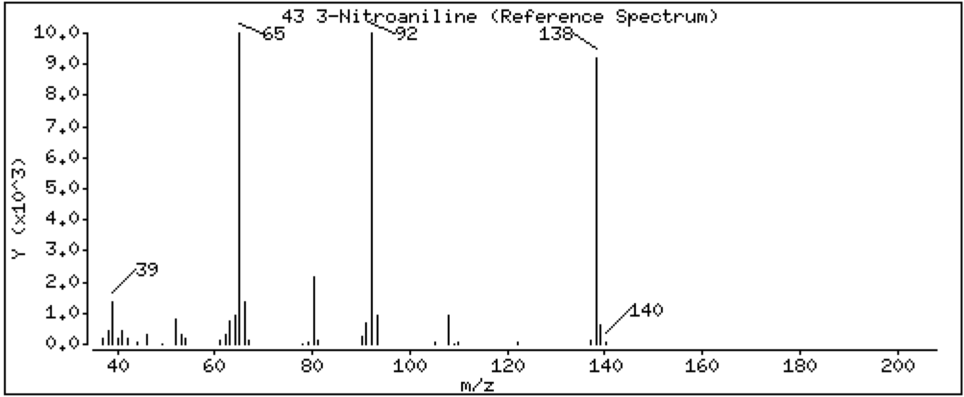
Operator: VTS

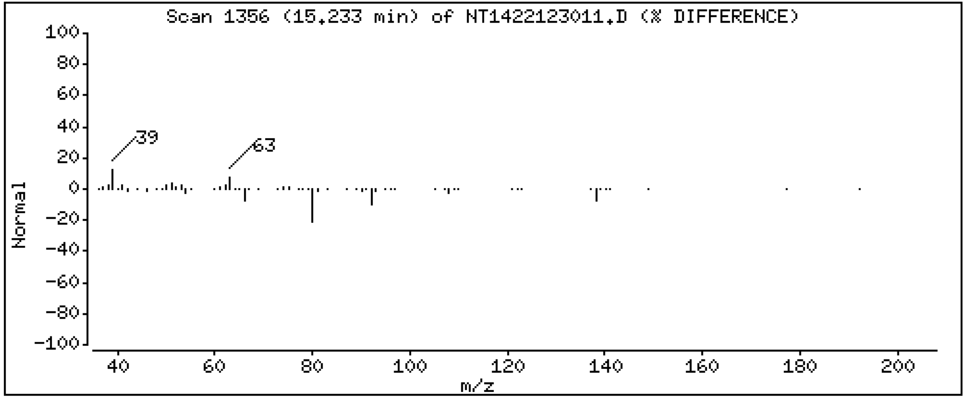
Column phase: ZB-5msi Column diameter: 0.25

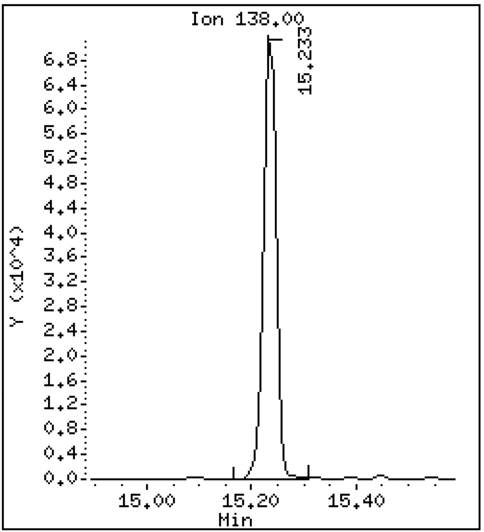
43 3-Nitroaniline Concentration: 5.088 ug/mL

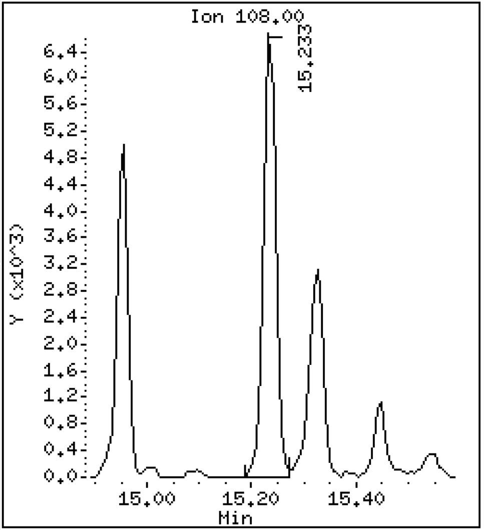


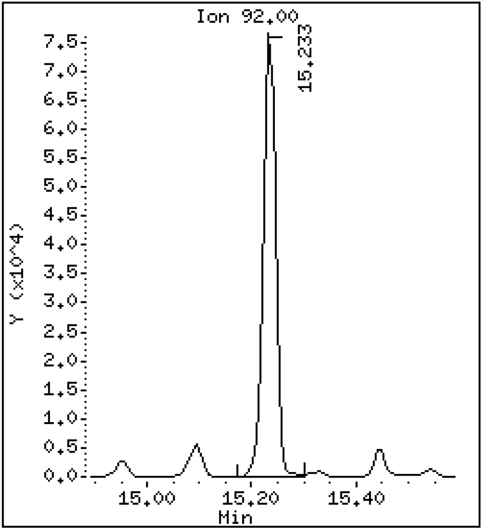












Data File: \\target\share\chem3\nt14.i\20221230.b\NT1422123011.D

Date : 30-DEC-2022 13:31

Client ID:

Instrument: nt14.i

Sample Info: SKL0355-SCV1

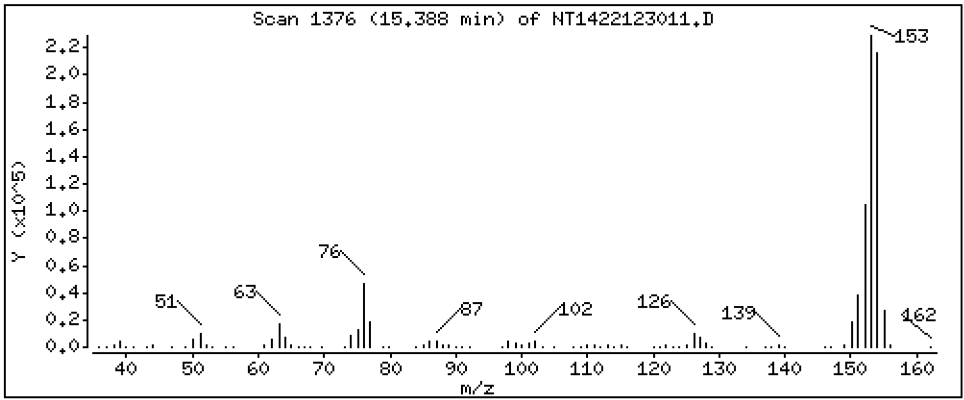
Operator: VTS

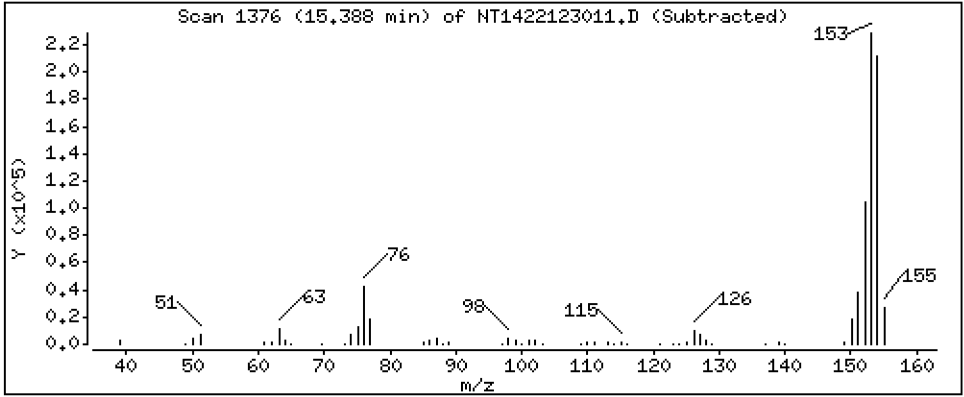
Column phase: ZB-5msi

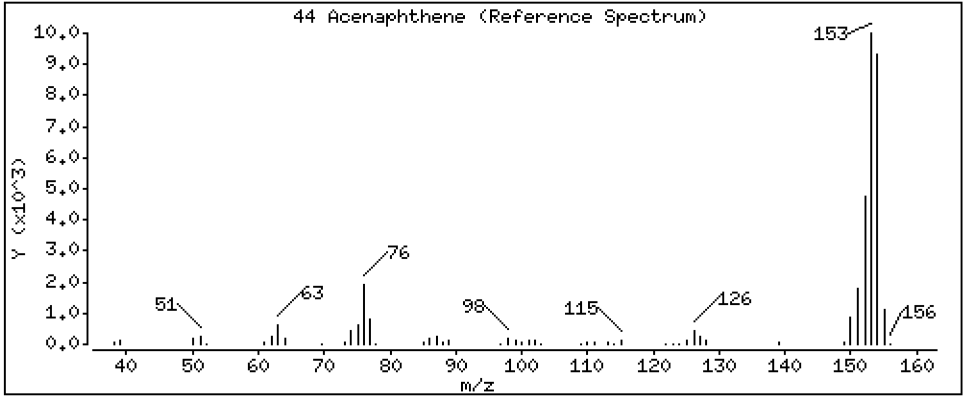
Column diameter: 0.25

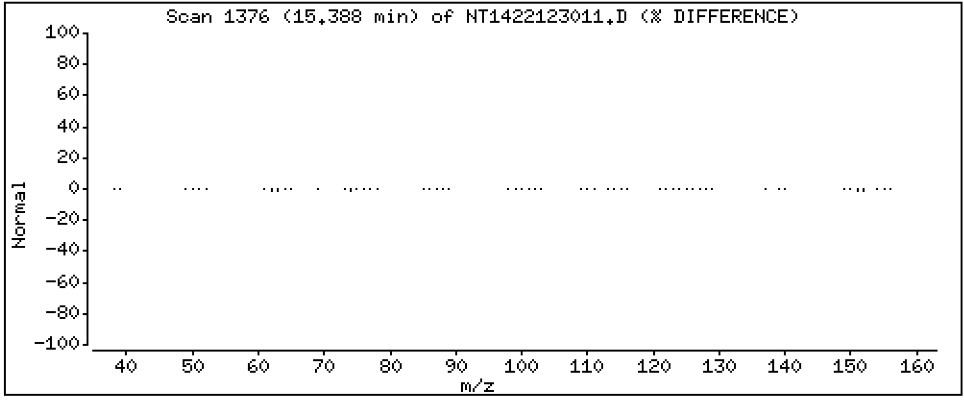
44 Acenaphthene

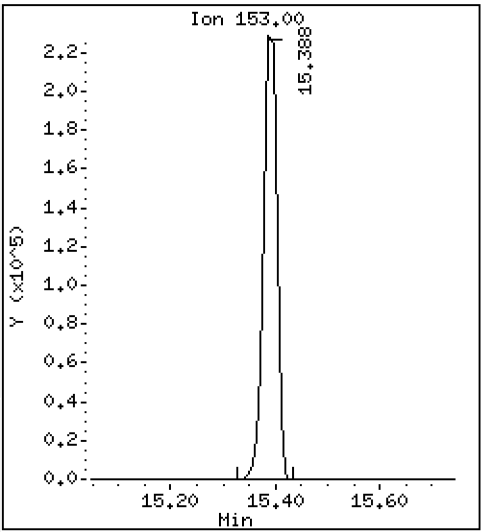
Concentration: 4.916 ug/mL

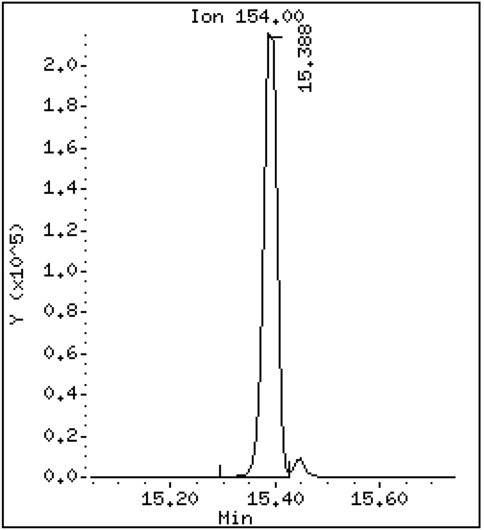

Scan 1376 (15.388 min) of NT1422123011.D

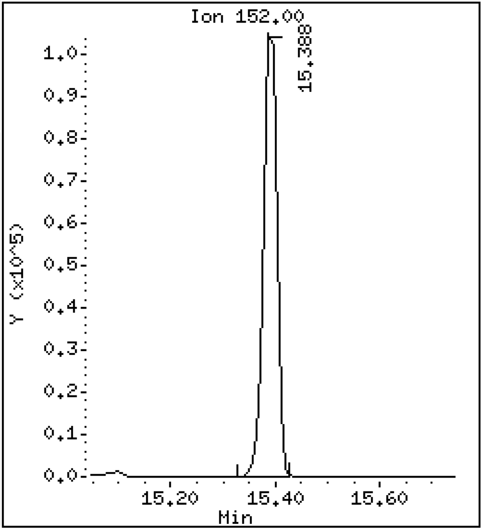

Scan 1376 (15.388 min) of NT1422123011.D (Subtracted)


44 Acenaphthene (Reference Spectrum)


Scan 1376 (15.388 min) of NT1422123011.D (% DIFFERENCE)


Ion 153.00


Ion 154.00


Ion 152.00

Data File: \\target\share\chem3\nt14.i\20221230.b\NT1422123011.D

Date : 30-DEC-2022 13:31

Client ID:

Instrument: nt14.i

Sample Info: SKL0355-SCV1

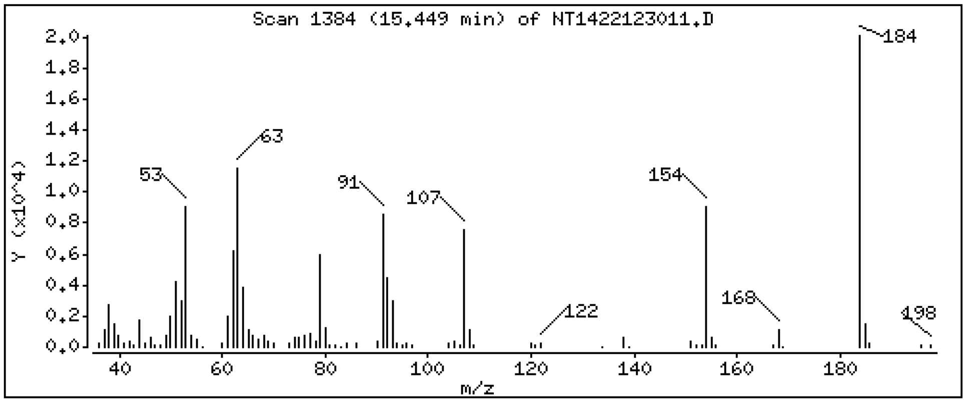
Operator: VTS

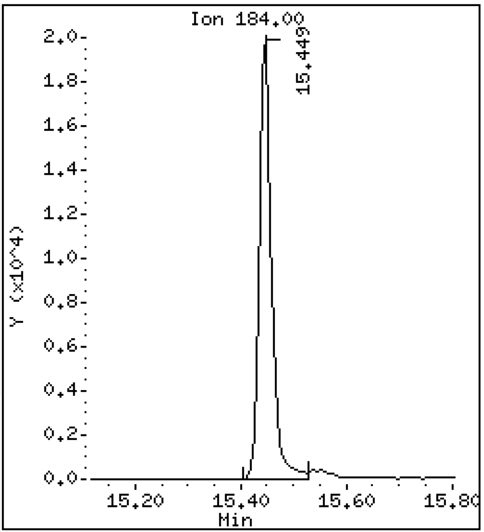
Column phase: ZB-5msi

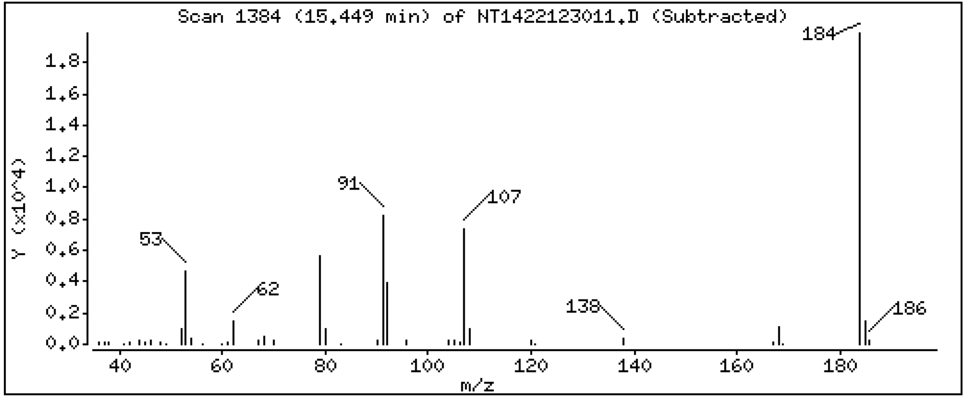
Column diameter: 0.25

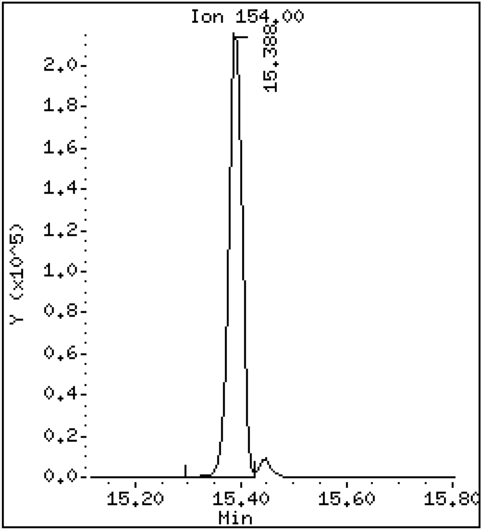
45 2,4-Dinitrophenol

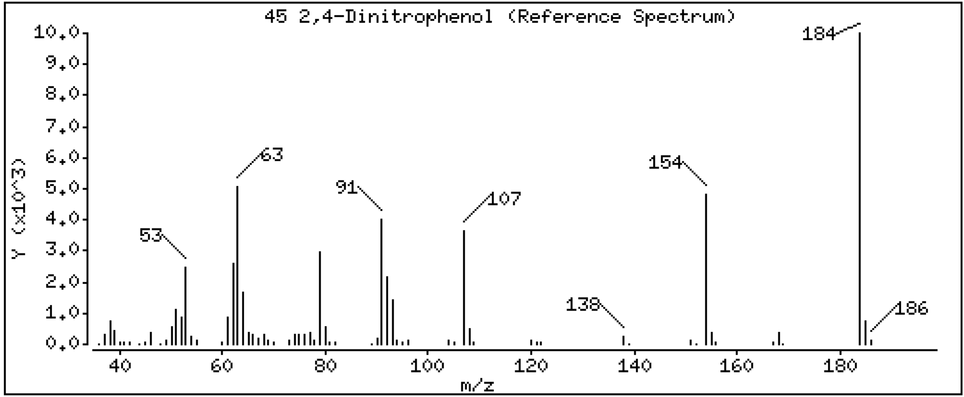
Concentration: 2.036 ug/mL

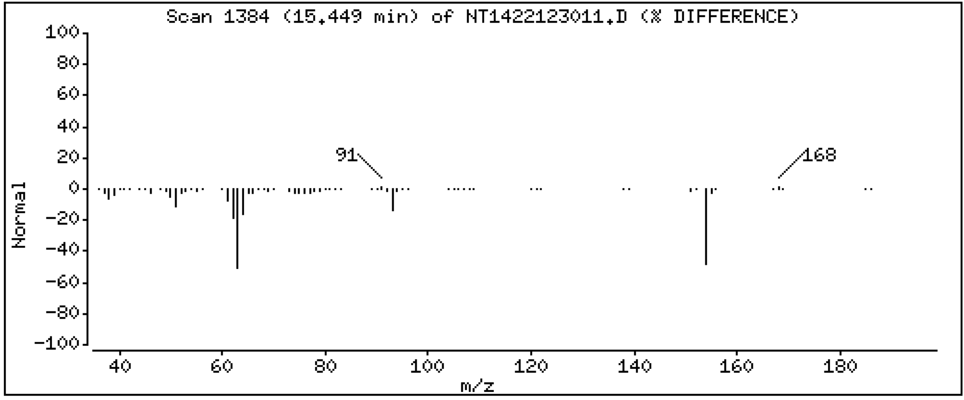


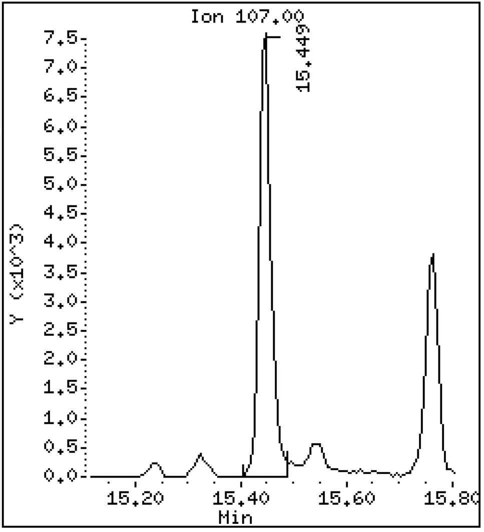












Data File: \\target\share\chem3\nt14.i\20221230.b\NT1422123011.D

Date : 30-DEC-2022 13:31

Client ID:

Instrument: nt14.i

Sample Info: SKL0355-SCV1

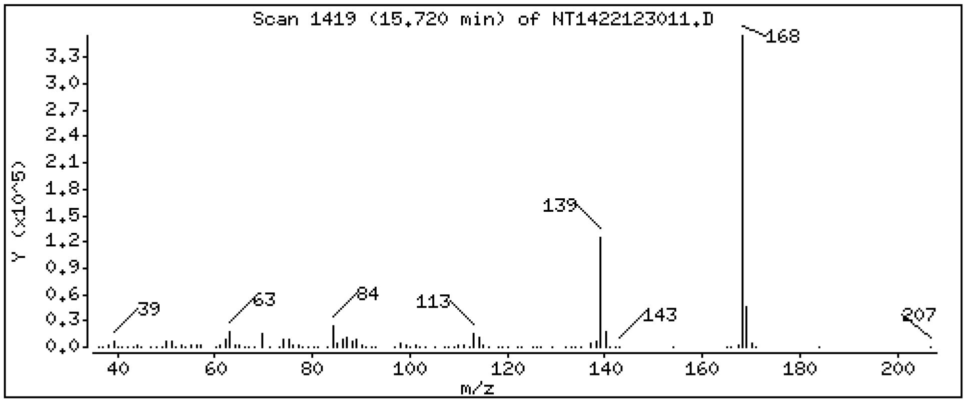
Operator: VTS

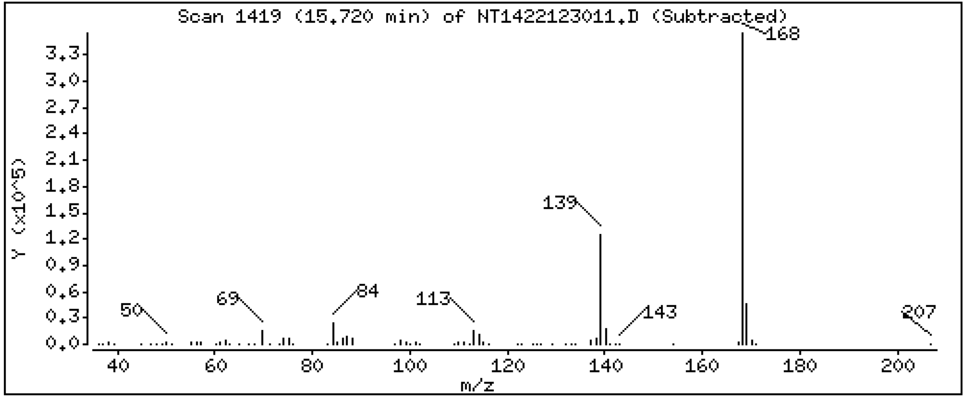
Column phase: ZB-5msi

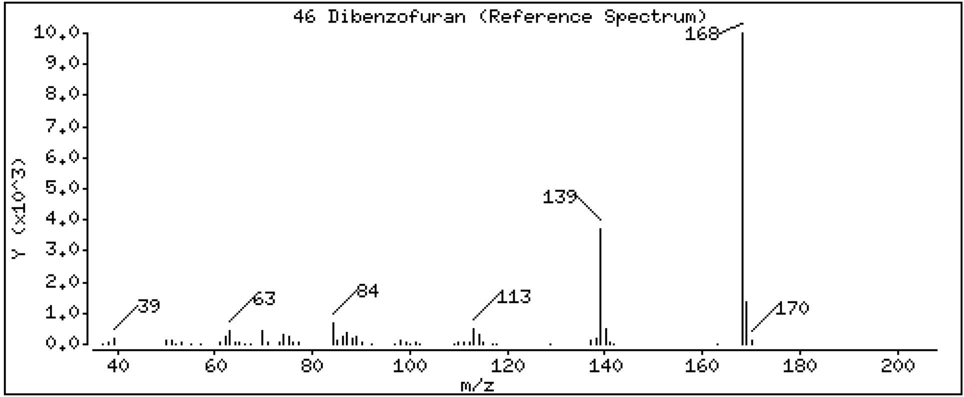
Column diameter: 0.25

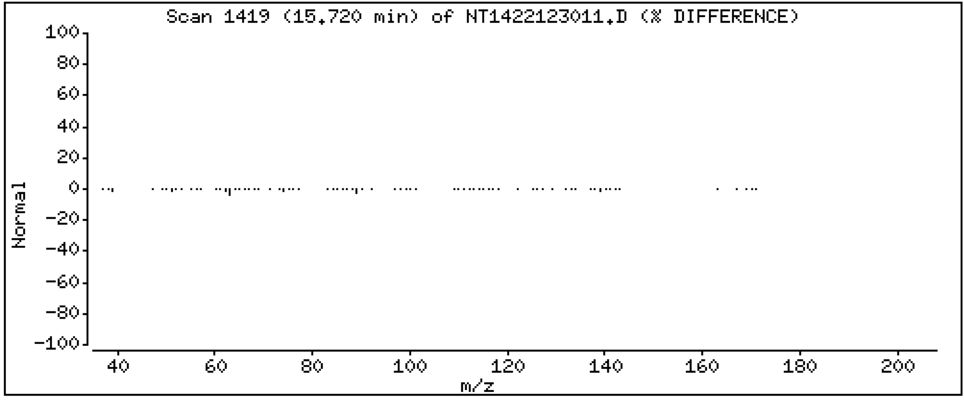
46 Dibenzofuran

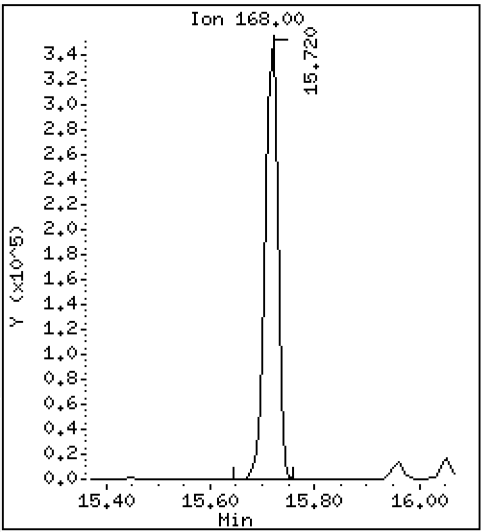
Concentration: 4.709 ug/mL

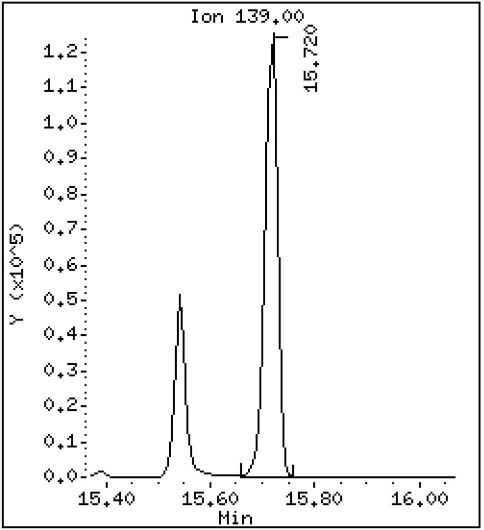

Scan 1419 (15.720 min) of NT1422123011.D

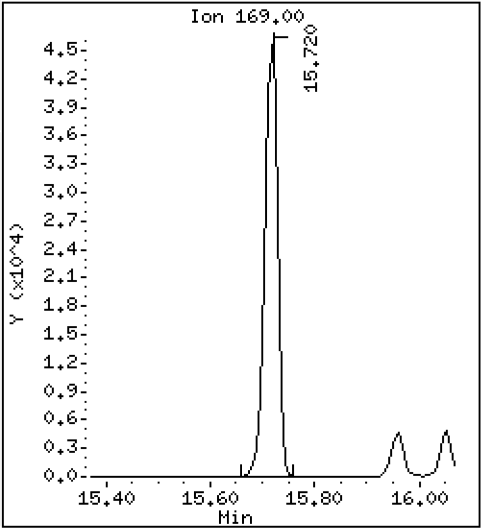

Scan 1419 (15.720 min) of NT1422123011.D (Subtracted)


46 Dibenzofuran (Reference Spectrum)


Scan 1419 (15.720 min) of NT1422123011.D (% DIFFERENCE)


Ion 168.00


Ion 139.00


Ion 169.00

Data File: \\target\share\chem3\nt14.i\20221230.b\NT1422123011.D

Date : 30-DEC-2022 13:31

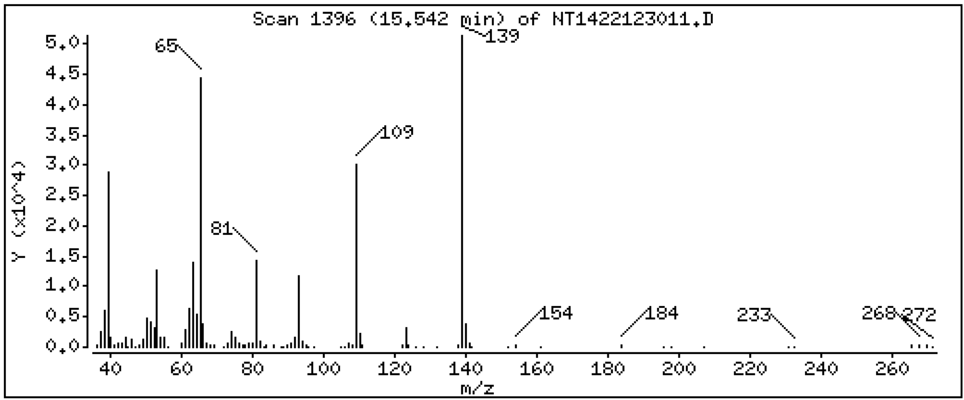
Client ID: Instrument: nt14.i

Sample Info: SKL0355-SCV1

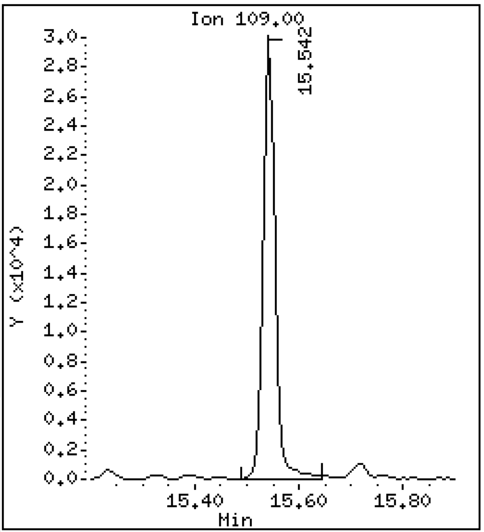
Operator: VTS

Column phase: ZB-5msi Column diameter: 0.25

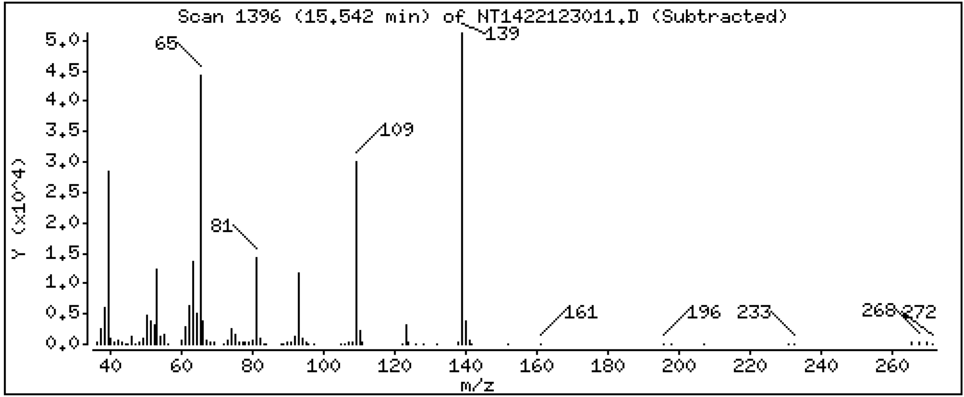
47 4-Nitrophenol Concentration: 4.077 ug/mL



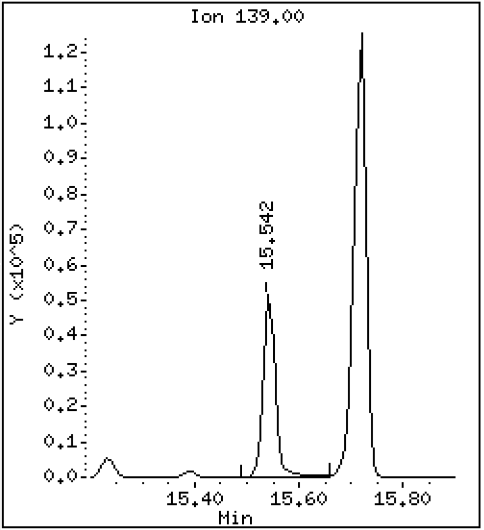
Scan 1396 (15.542 min) of NT1422123011.D



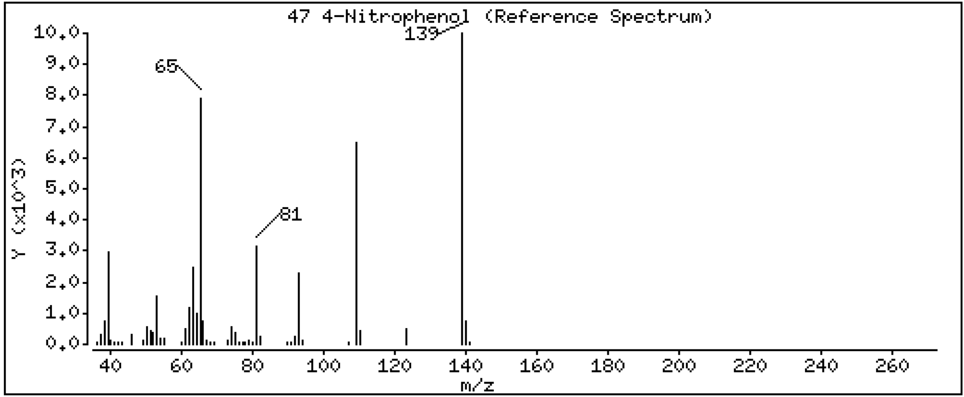
Ion 109.00



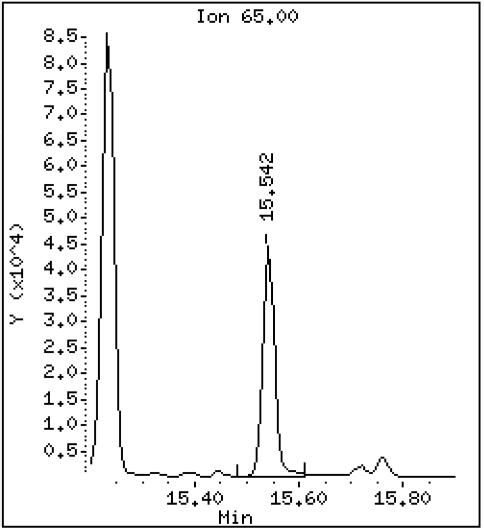
Scan 1396 (15.542 min) of NT1422123011.D (Subtracted)



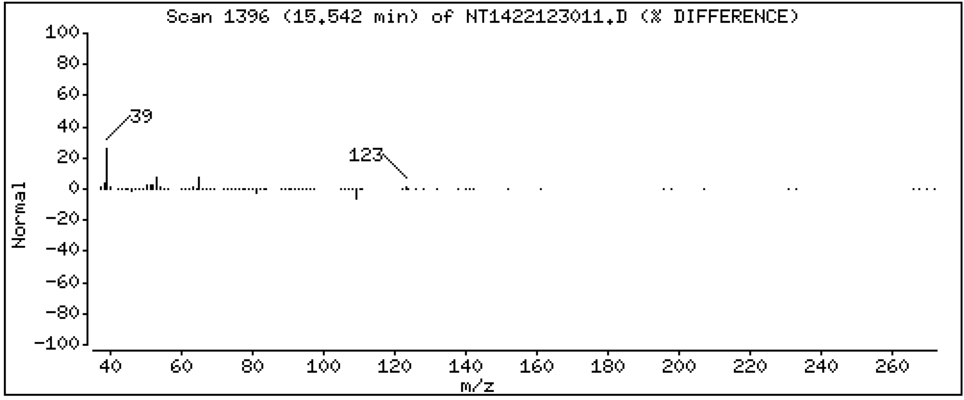
Ion 139.00



47 4-Nitrophenol (Reference Spectrum)



Ion 65.00



Scan 1396 (15.542 min) of NT1422123011.D (% DIFFERENCE)

Data File: \\target\share\chem3\nt14.i\20221230.b\NT1422123011.D

Date : 30-DEC-2022 13:31

Client ID:

Instrument: nt14.i

Sample Info: SKL0355-SCV1

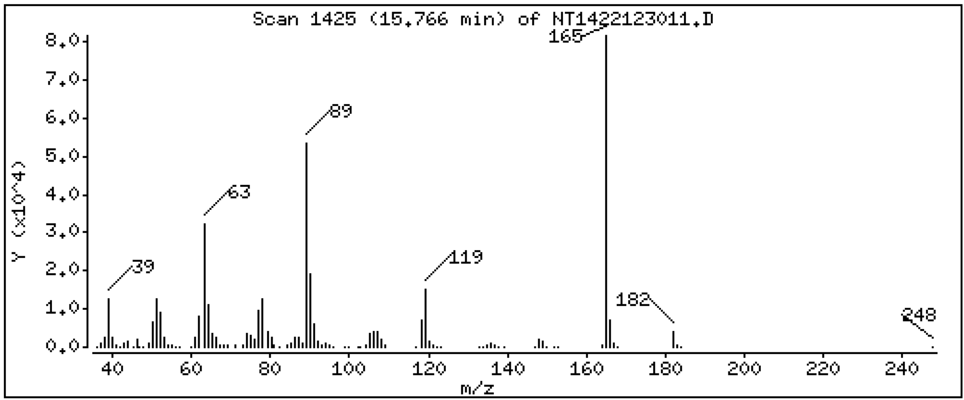
Operator: VTS

Column phase: ZB-5msi

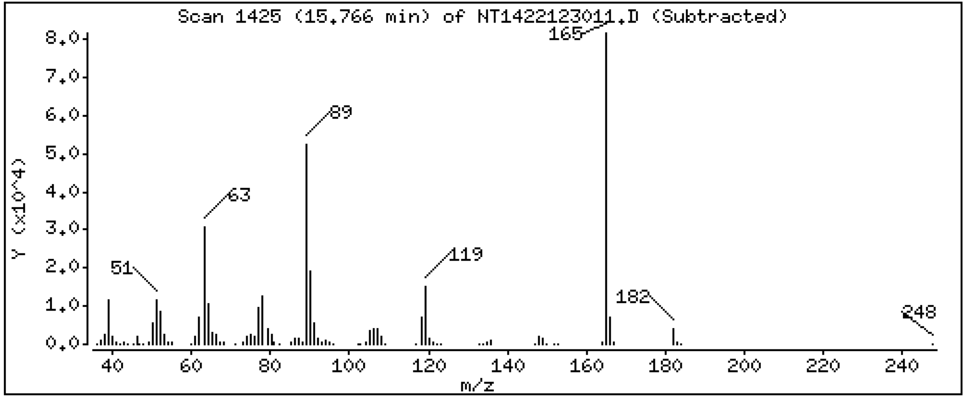
Column diameter: 0.25

48 2,4-Dinitrotoluene

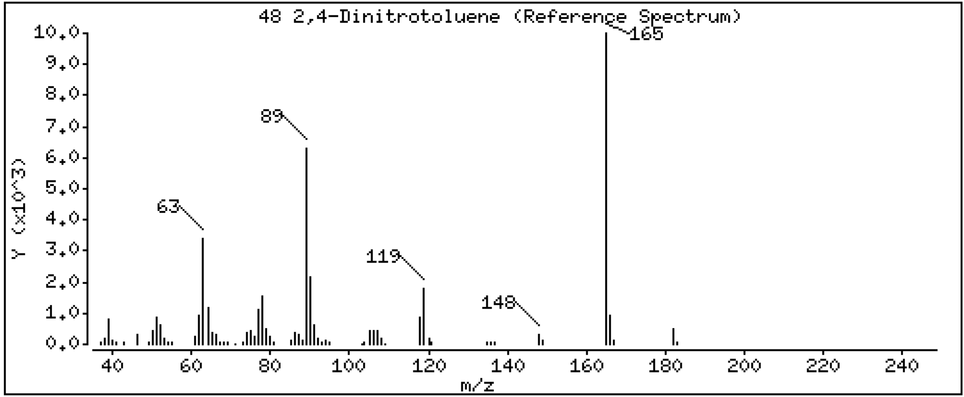
Concentration: 4.956 ug/mL



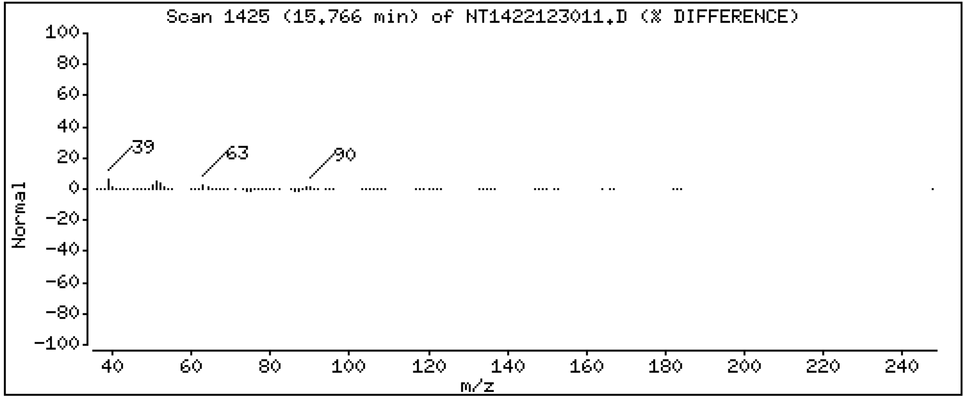
Scan 1425 (15.766 min) of NT1422123011.D



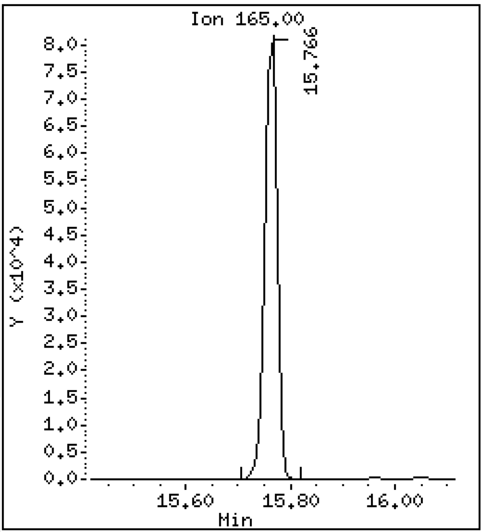
Scan 1425 (15.766 min) of NT1422123011.D (Subtracted)



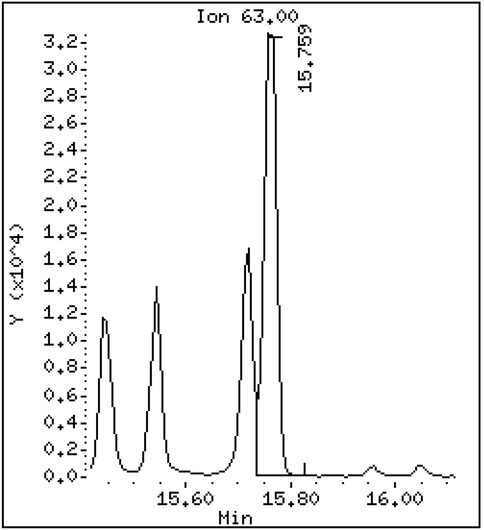
48 2,4-Dinitrotoluene (Reference Spectrum)



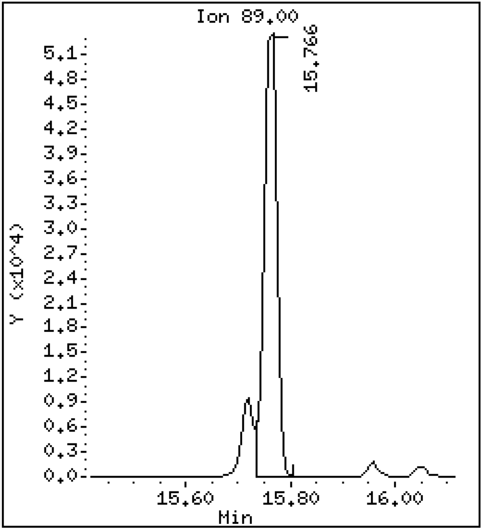
Scan 1425 (15.766 min) of NT1422123011.D (% DIFFERENCE)



Ion 165.00



Ion 63.00



Ion 89.00

Data File: \\target\share\chem3\nt14.i\20221230.b\NT1422123011.D

Date : 30-DEC-2022 13:31

Client ID:

Instrument: nt14.i

Sample Info: SKL0355-SCV1

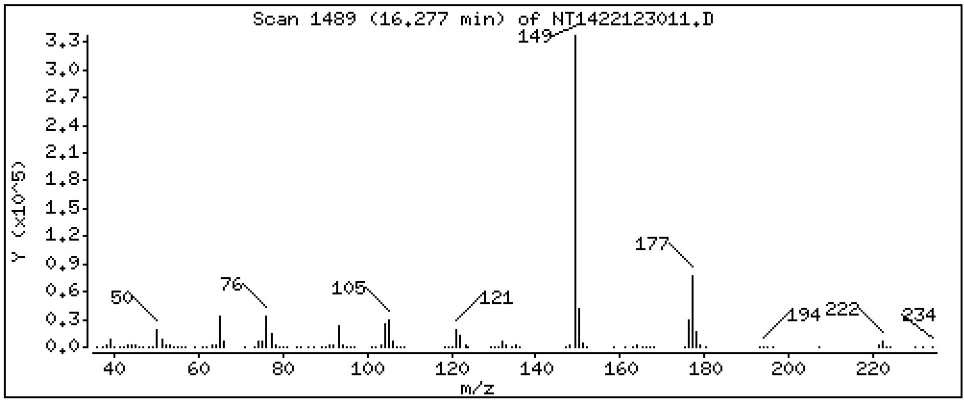
Operator: VTS

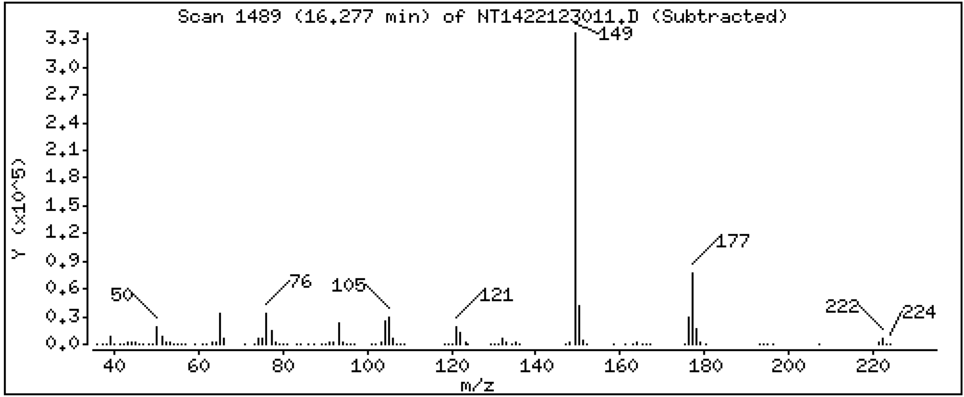
Column phase: ZB-5msi

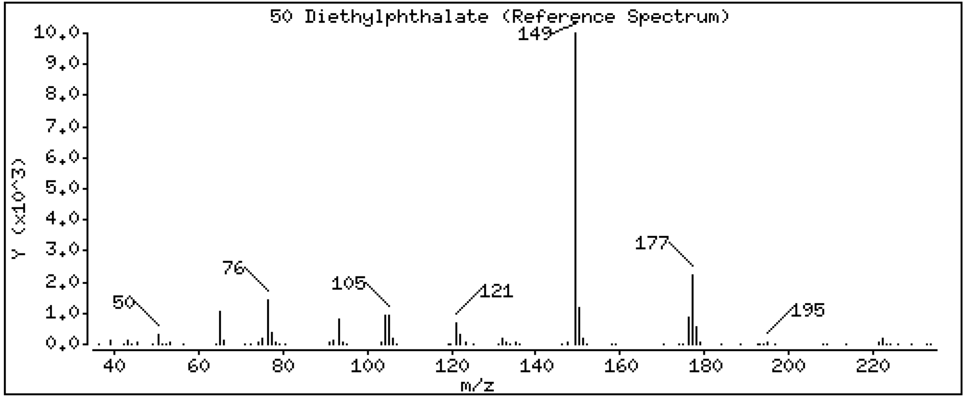
Column diameter: 0.25

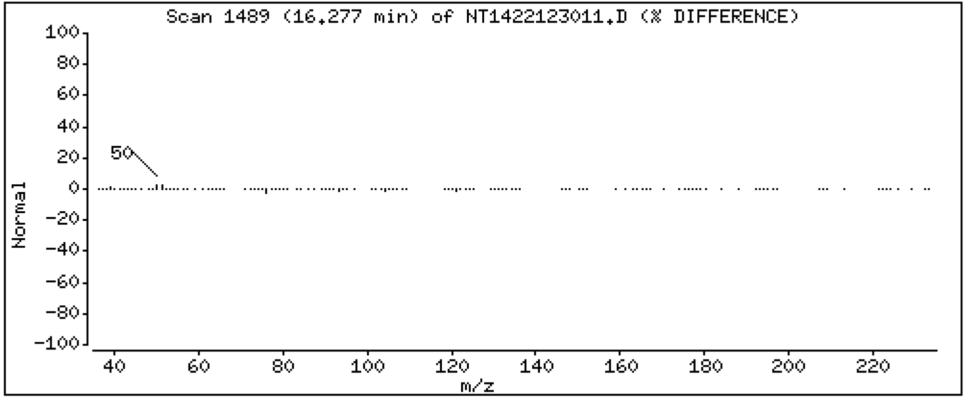
50 Diethylphthalate

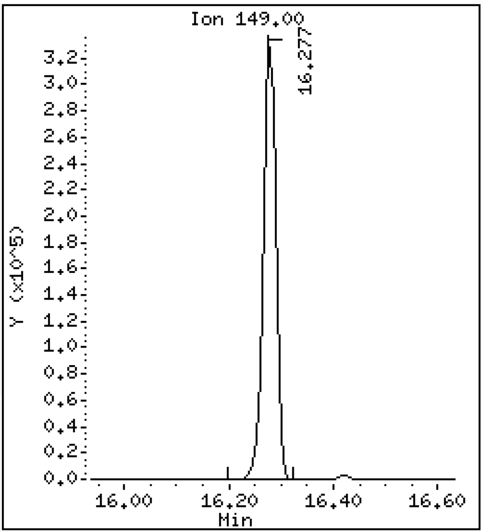
Concentration: 5.353 ug/mL

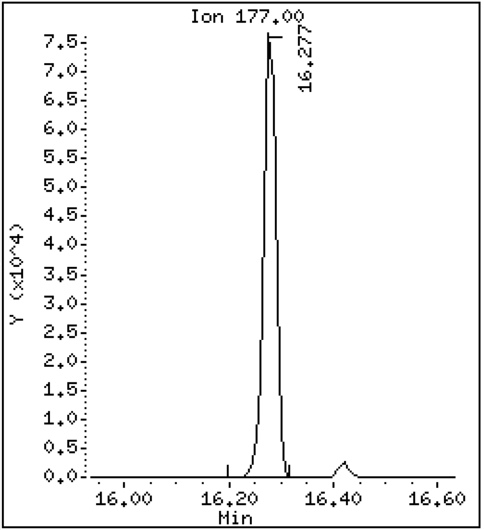


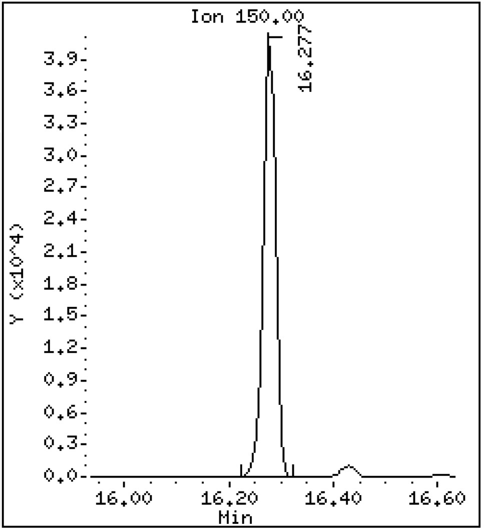












Data File: \\target\share\chem3\nt14.i\20221230.b\NT1422123011.D

Date : 30-DEC-2022 13:31

Client ID:

Instrument: nt14.i

Sample Info: SKL0355-SCV1

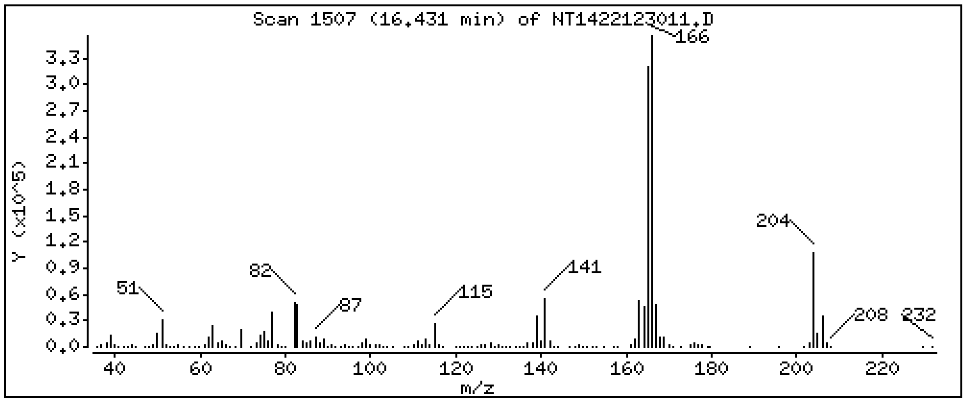
Operator: VTS

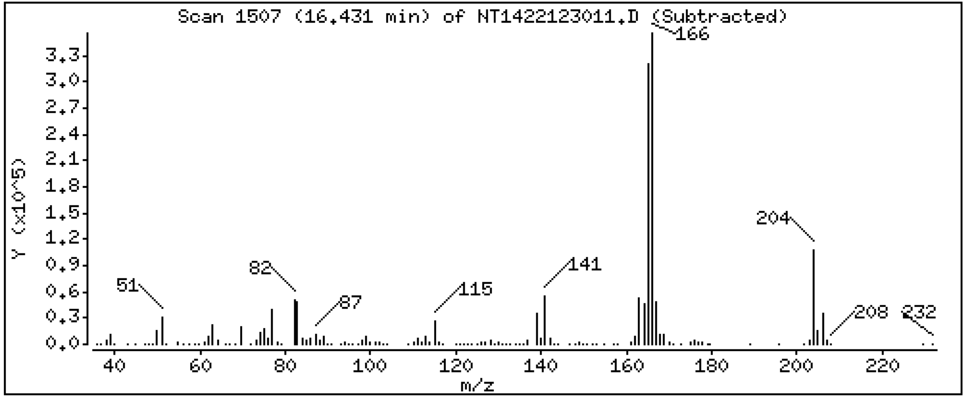
Column phase: ZB-5msi

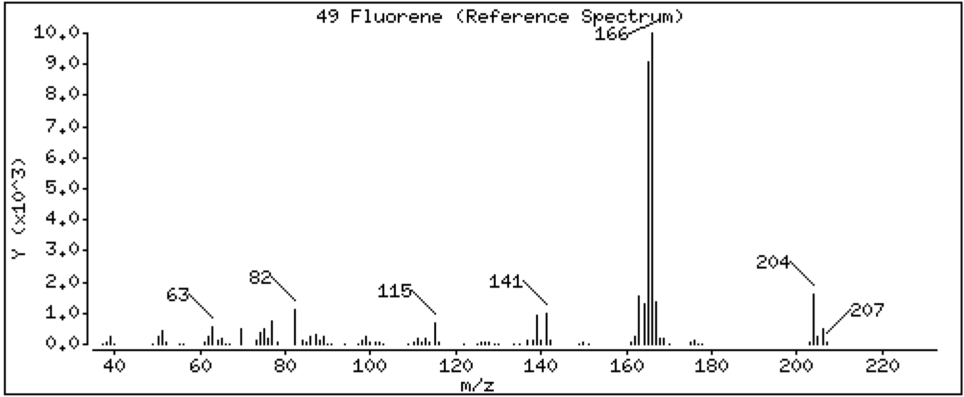
Column diameter: 0.25

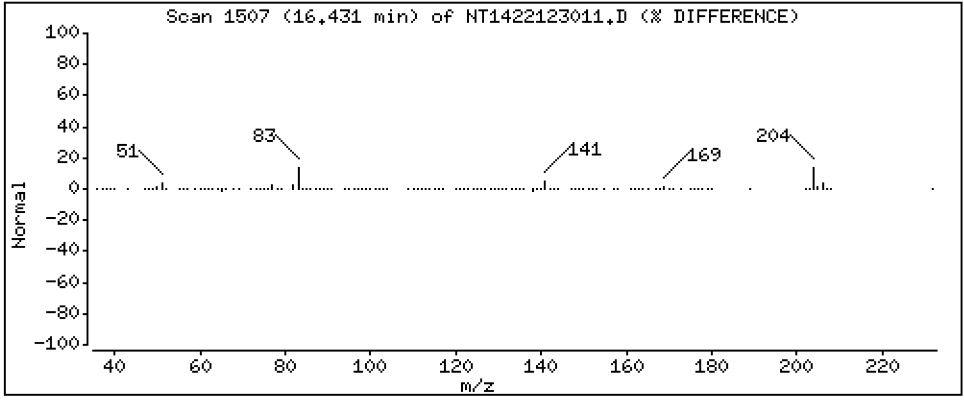
49 Fluorene

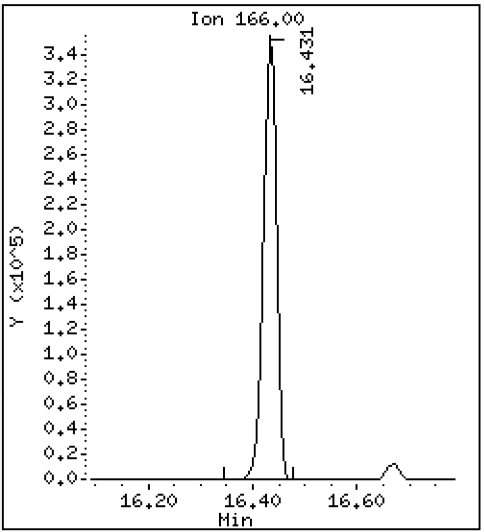
Concentration: 5.230 ug/mL

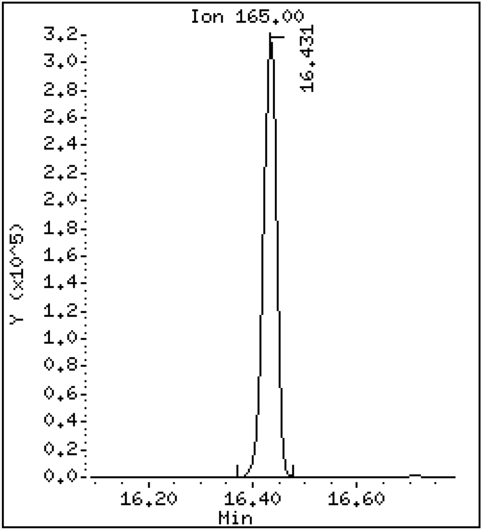

Scan 1507 (16.431 min) of NT1422123011.D

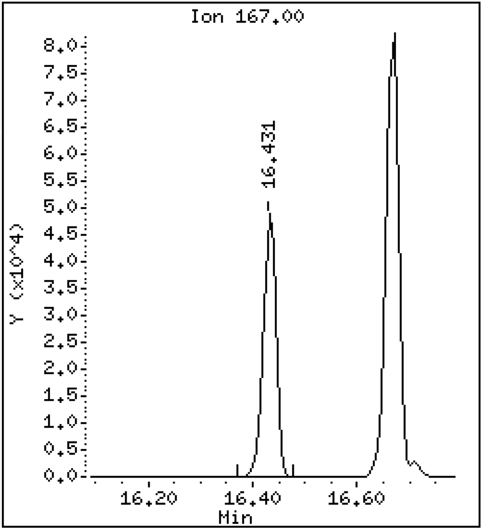

Scan 1507 (16.431 min) of NT1422123011.D (Subtracted)


49 Fluorene (Reference Spectrum)


Scan 1507 (16.431 min) of NT1422123011.D (% DIFFERENCE)


Ion 166.00


Ion 165.00


Ion 167.00

Data File: \\target\share\chem3\nt14.i\20221230.b\NT1422123011.D

Date : 30-DEC-2022 13:31

Client ID:

Instrument: nt14.i

Sample Info: SKL0355-SCV1

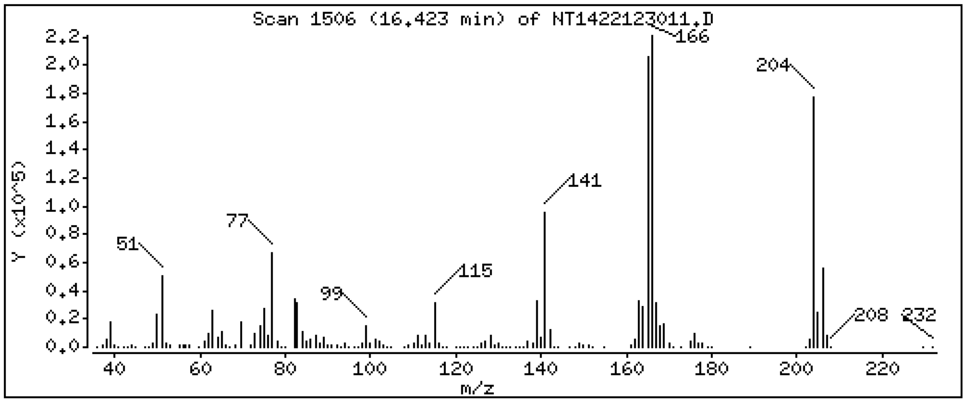
Operator: VTS

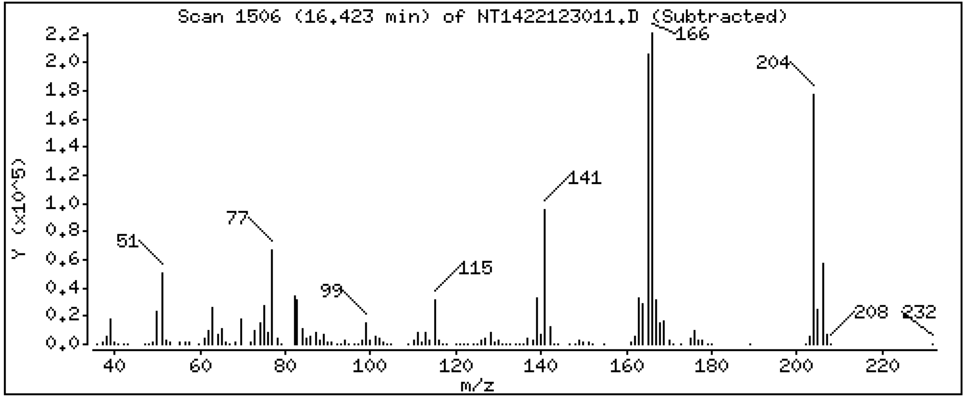
Column phase: ZB-5msi

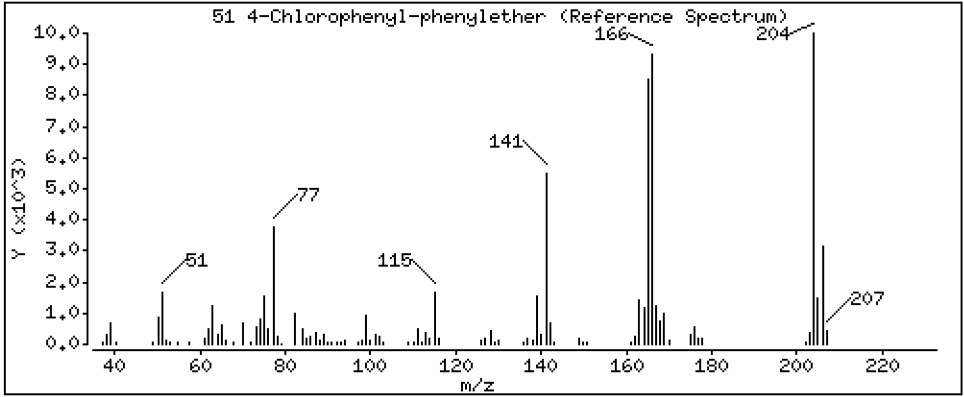
Column diameter: 0.25

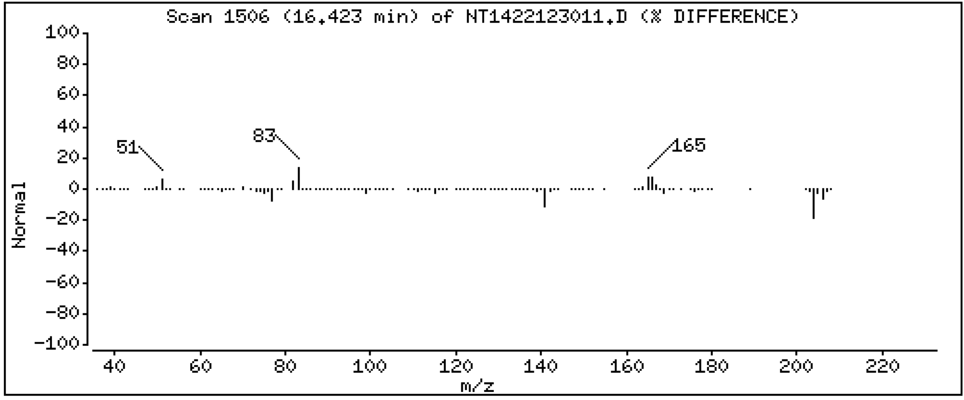
51 4-Chlorophenyl-phenylether

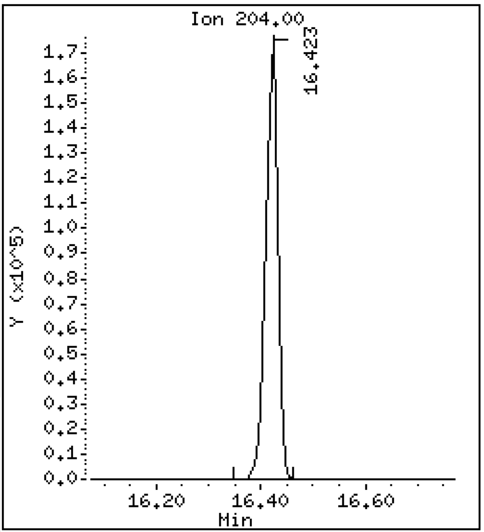
Concentration: 5.094 ug/mL

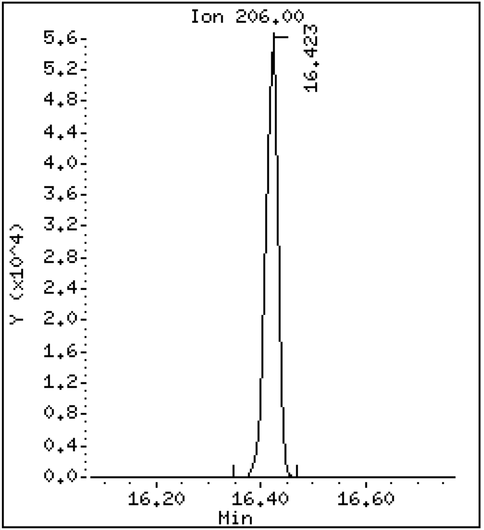


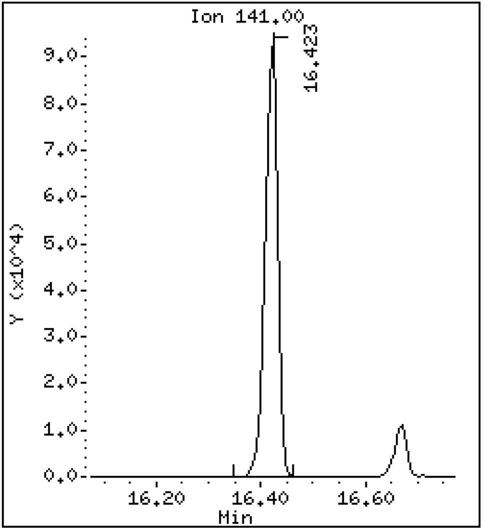












Data File: \\target\share\chem3\nt14.i\20221230.b\NT1422123011.D

Date : 30-DEC-2022 13:31

Client ID:

Instrument: nt14.i

Sample Info: SKL0355-SCV1

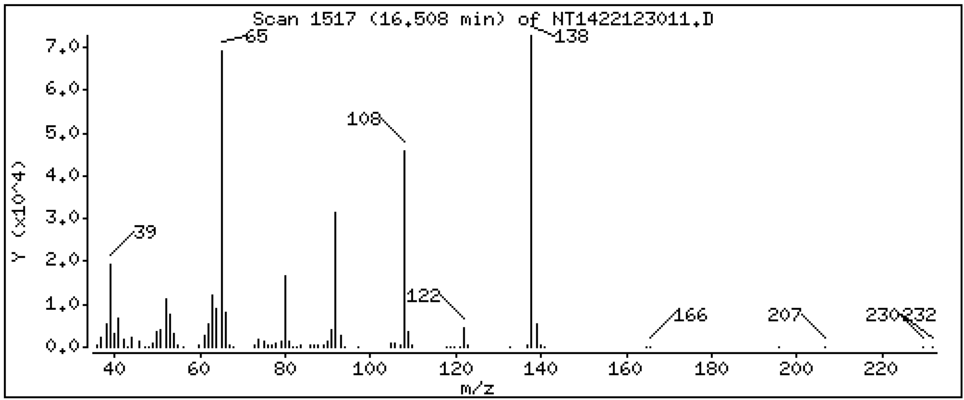
Operator: VTS

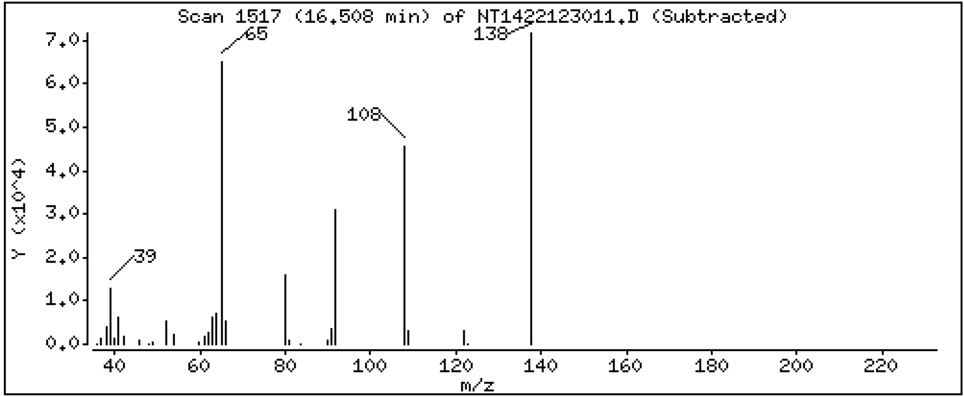
Column phase: ZB-5msi

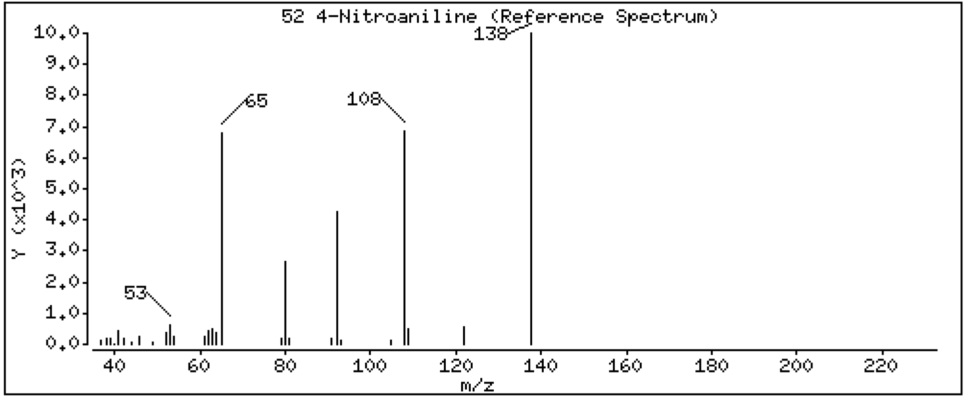
Column diameter: 0.25

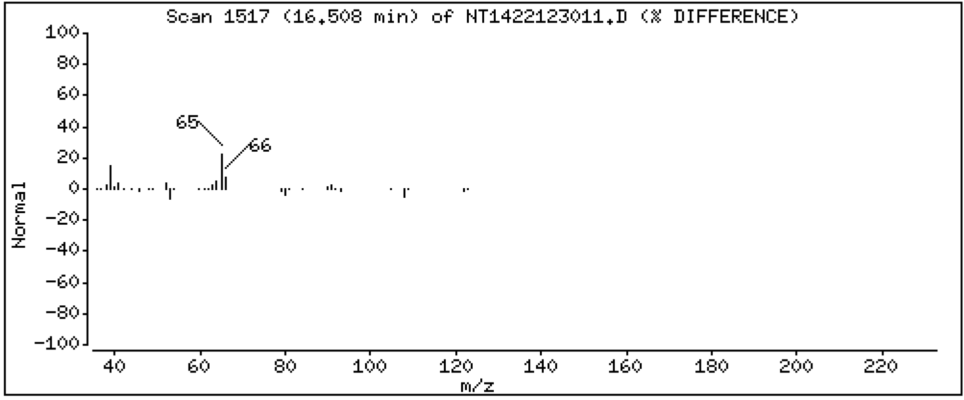
52 4-Nitroaniline

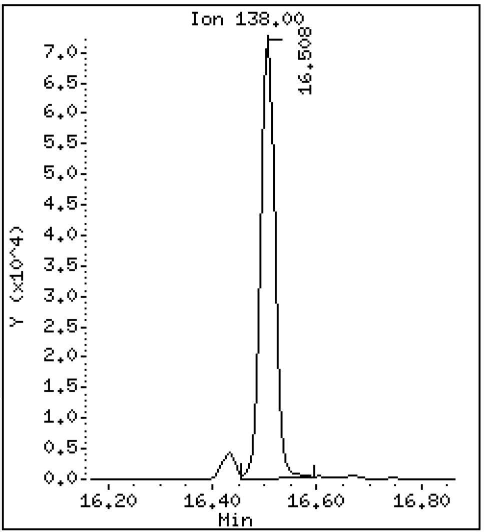
Concentration: 4.733 ug/mL

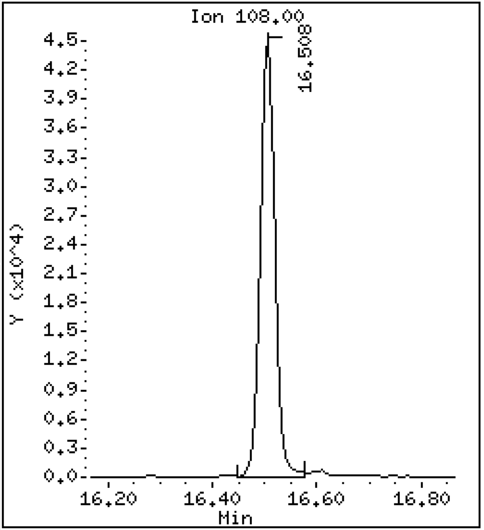


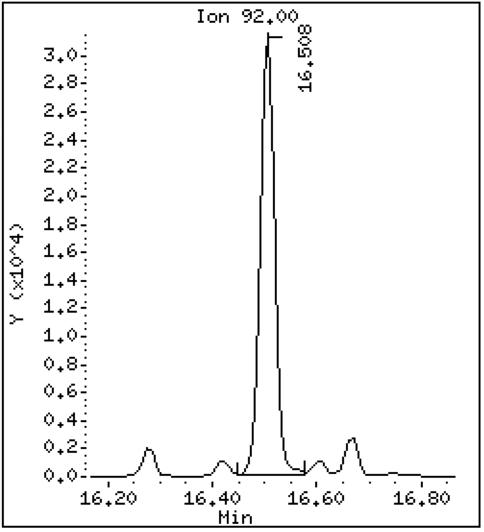












Data File: \\target\share\chem3\nt14.i\20221230.b\NT1422123011.D

Date : 30-DEC-2022 13:31

Client ID:

Instrument: nt14.i

Sample Info: SKL0355-SCV1

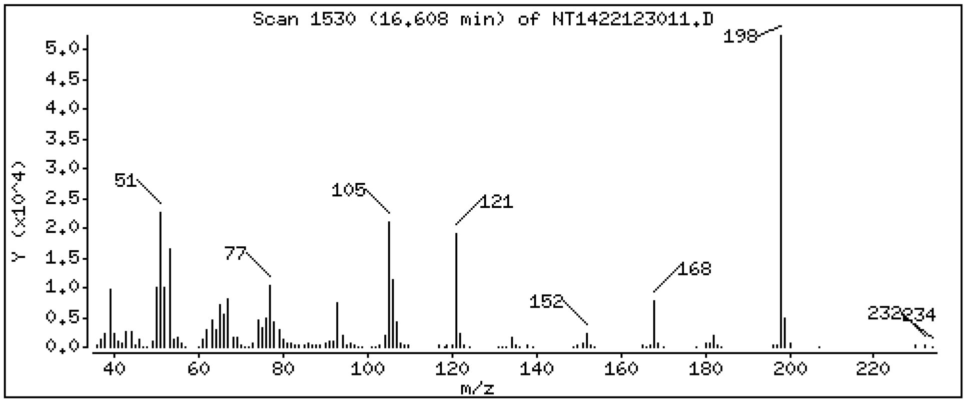
Operator: VTS

Column phase: ZB-5msi

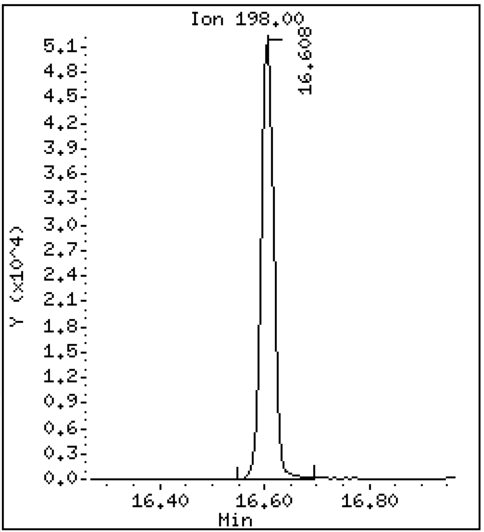
Column diameter: 0.25

53 4,6-Dinitro-2-methylphenol

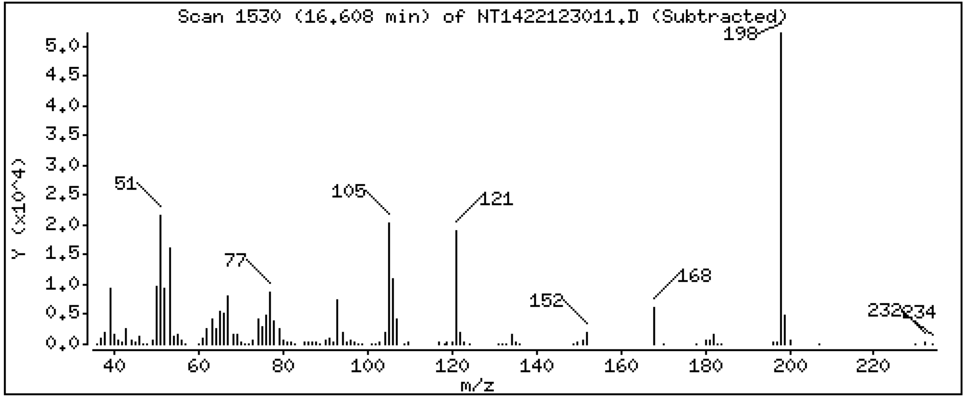
Concentration: 4.082 ug/mL



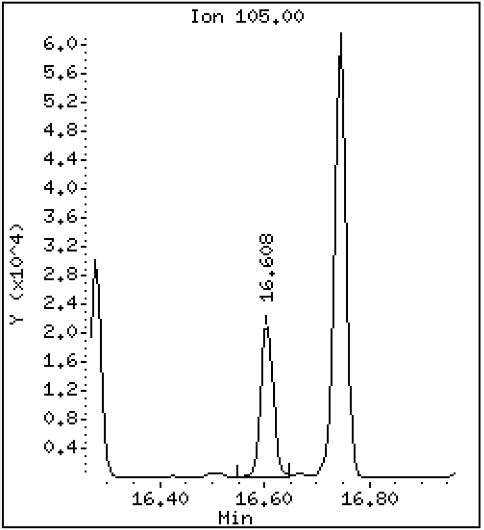
Scan 1530 (16.608 min) of NT1422123011.D



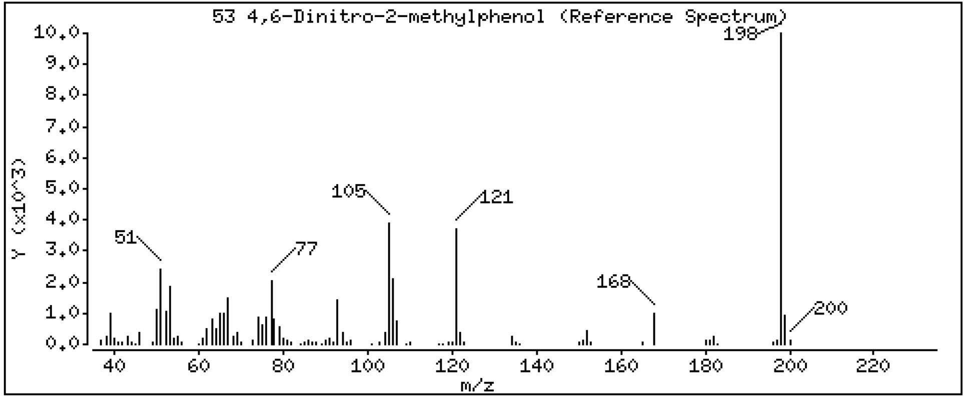
Ion 198.00



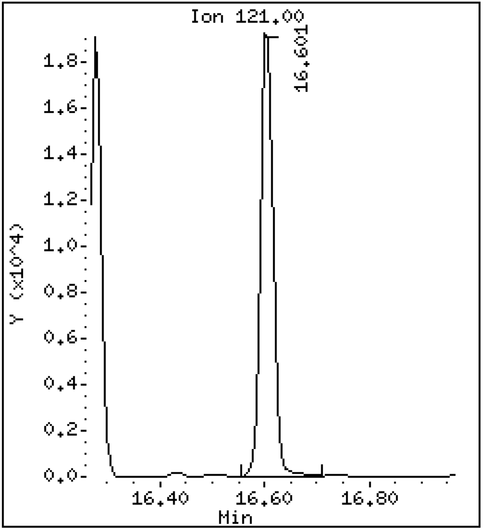
Scan 1530 (16.608 min) of NT1422123011.D (Subtracted)



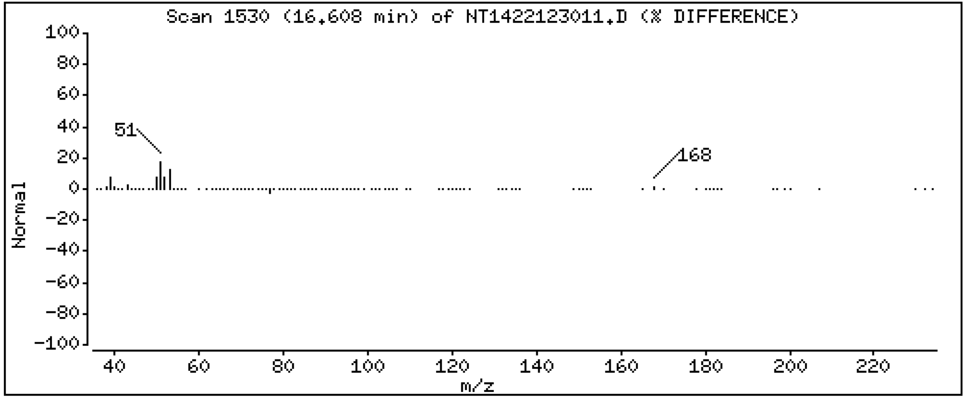
Ion 105.00



53 4,6-Dinitro-2-methylphenol (Reference Spectrum)



Ion 121.00



Scan 1530 (16.608 min) of NT1422123011.D (% DIFFERENCE)

Data File: \\target\share\chem3\nt14.i\20221230.b\NT1422123011.D Page 46

Date : 30-DEC-2022 13:31

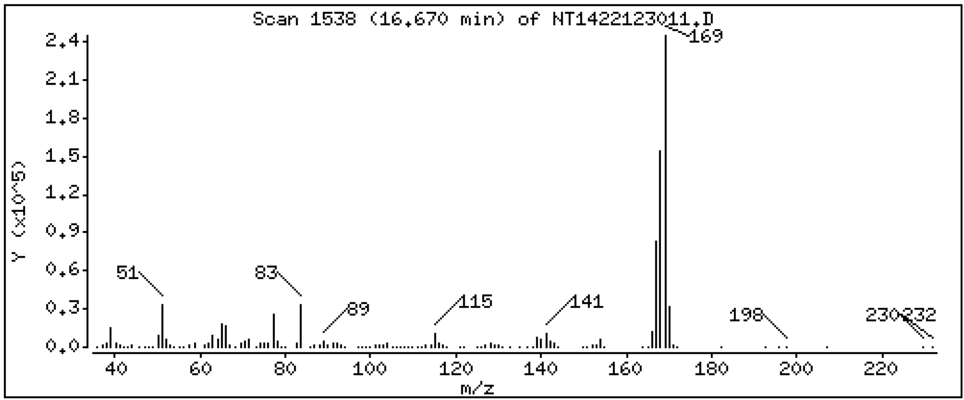
Client ID: Instrument: nt14.i

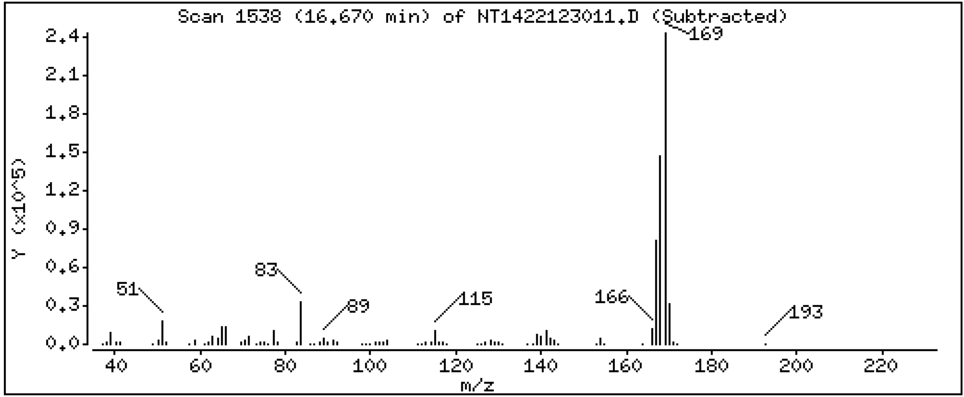
Sample Info: SKL0355-SCV1

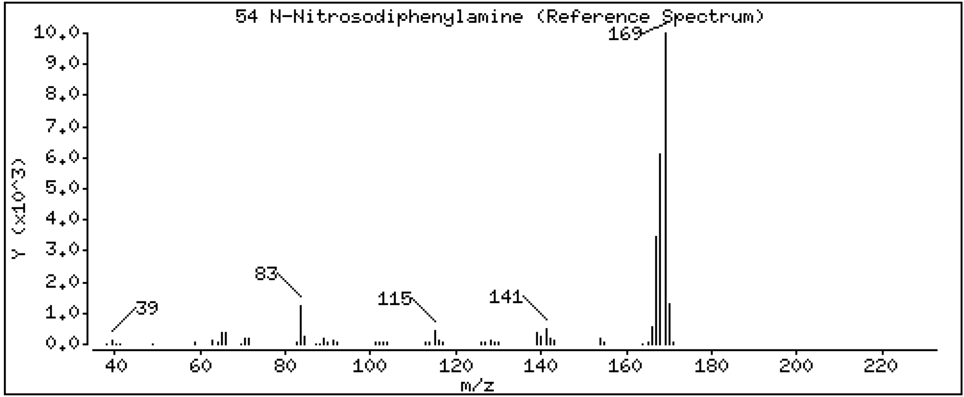
Operator: VTS

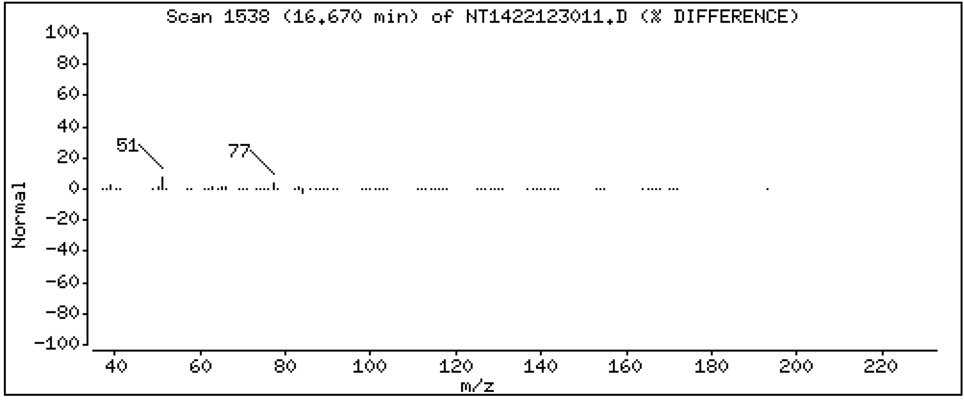
Column phase: ZB-5msi Column diameter: 0.25

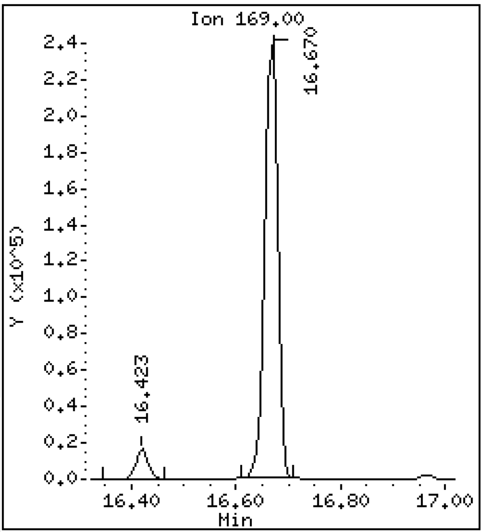
54 N-Nitrosodiphenylamine Concentration: 4.775 ug/mL


Scan 1538 (16.670 min) of NT1422123011.D


Scan 1538 (16.670 min) of NT1422123011.D (Subtracted)


54 N-Nitrosodiphenylamine (Reference Spectrum)


Scan 1538 (16.670 min) of NT1422123011.D (% DIFFERENCE)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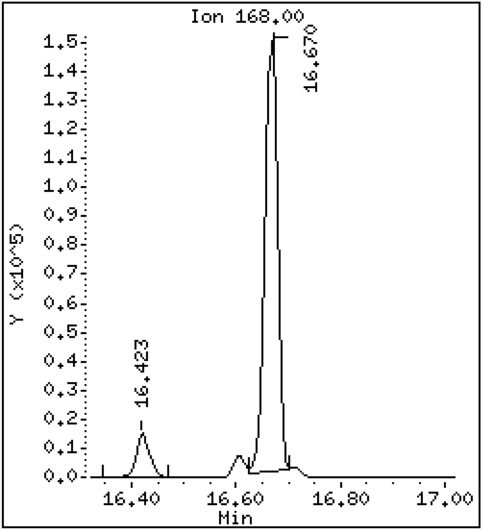
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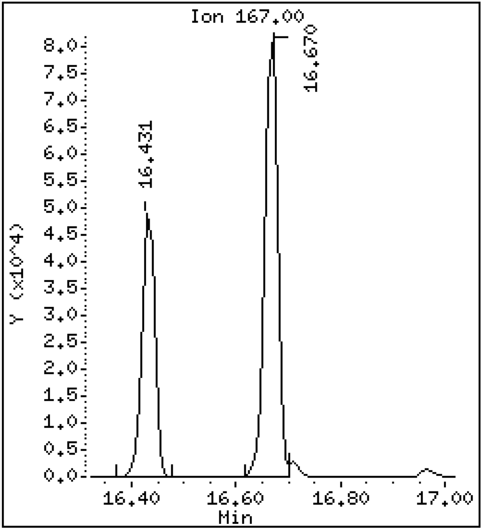

Ion 167.00

Data File: \\target\share\chem3\nt14.i\20221230.b\NT1422123011.D

Date : 30-DEC-2022 13:31

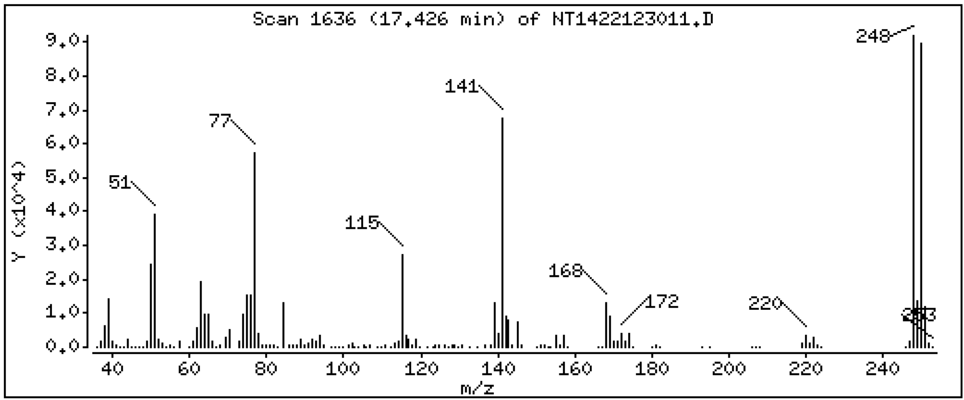
Client ID: Instrument: nt14.i

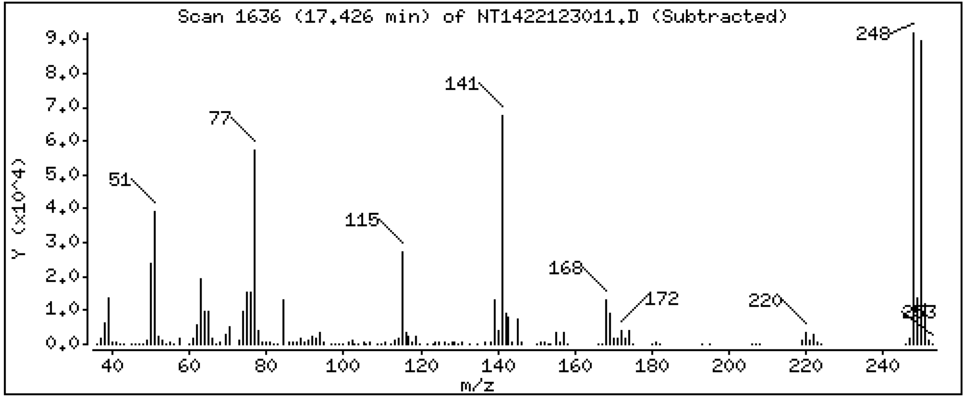
Sample Info: SKL0355-SCV1

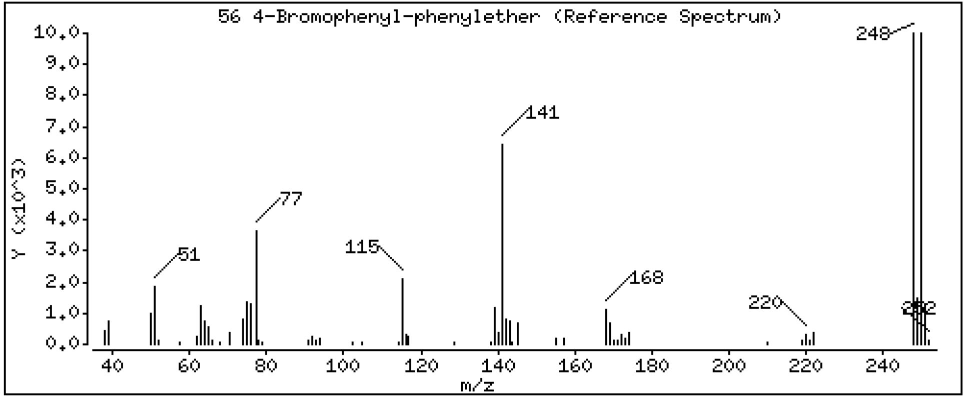
Operator: VTS

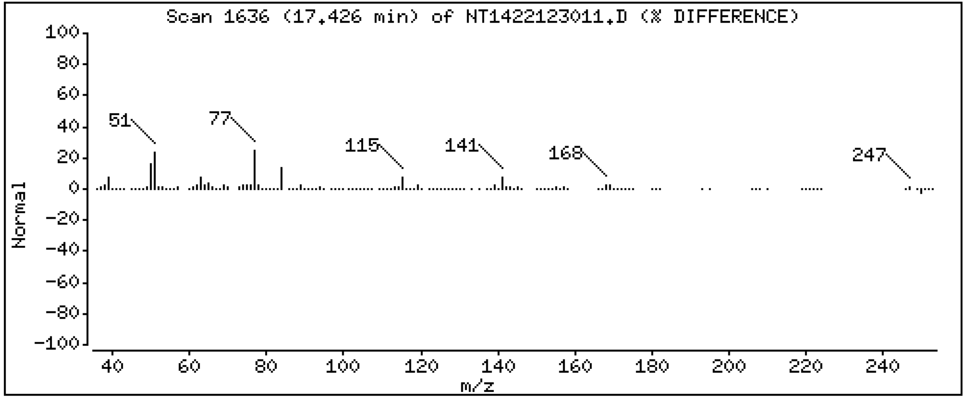
Column phase: ZB-5msi Column diameter: 0.25

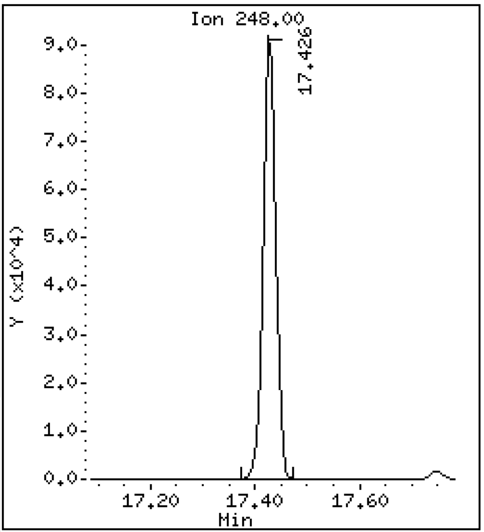
56 4-Bromophenyl-phenylether Concentration: 4.938 ug/mL

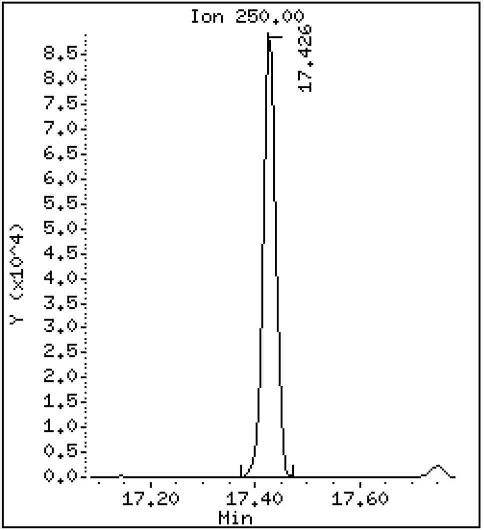

Scan 1636 (17.426 min) of NT1422123011.D

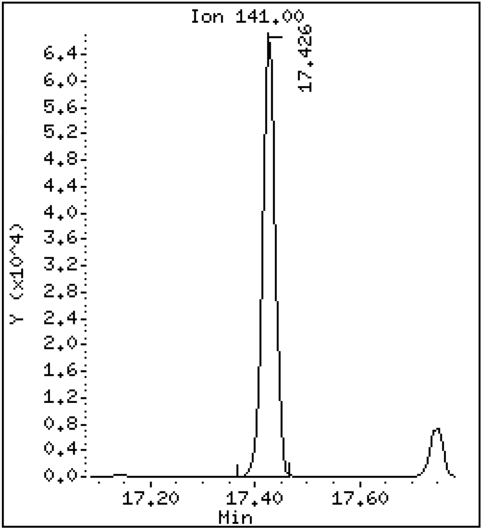

Scan 1636 (17.426 min) of NT1422123011.D (Subtracted)


56 4-Bromophenyl-phenylether (Reference Spectrum)


Scan 1636 (17.426 min) of NT1422123011.D (% DIFFERENCE)


Ion 248.00


Ion 250.00


Ion 141.00

Data File: \\target\share\chem3\nt14.i\20221230.b\NT1422123011.D

Date : 30-DEC-2022 13:31

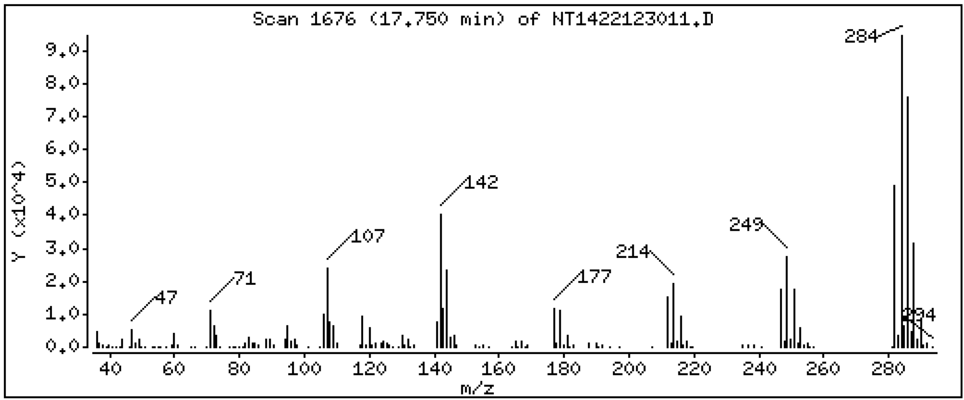
Client ID: Instrument: nt14.i

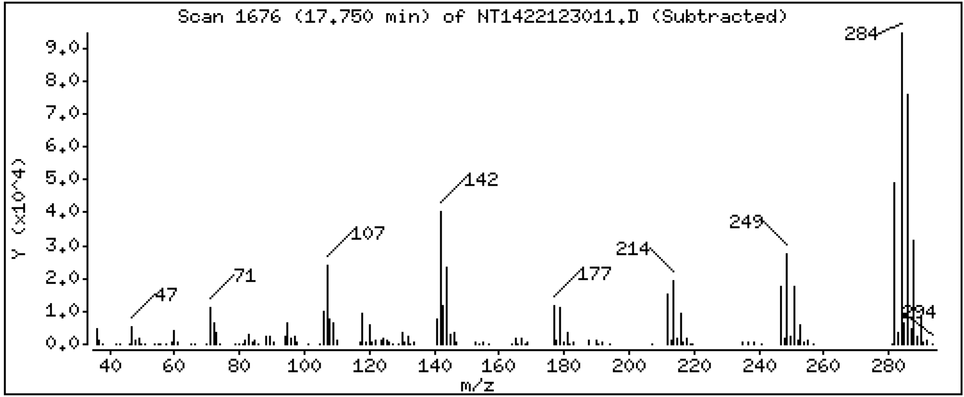
Sample Info: SKL0355-SCV1

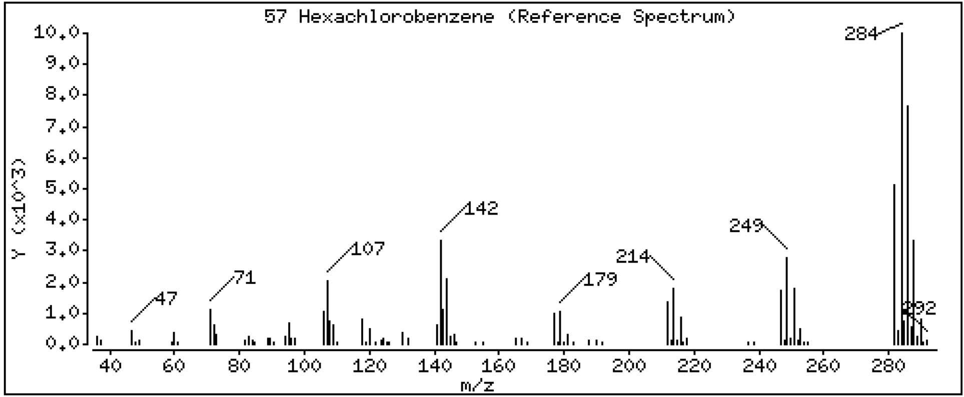
Operator: VTS

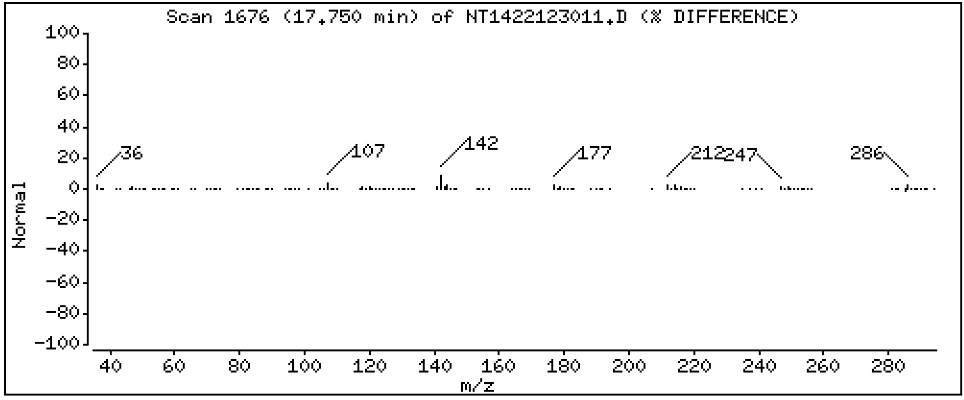
Column phase: ZB-5msi Column diameter: 0.25

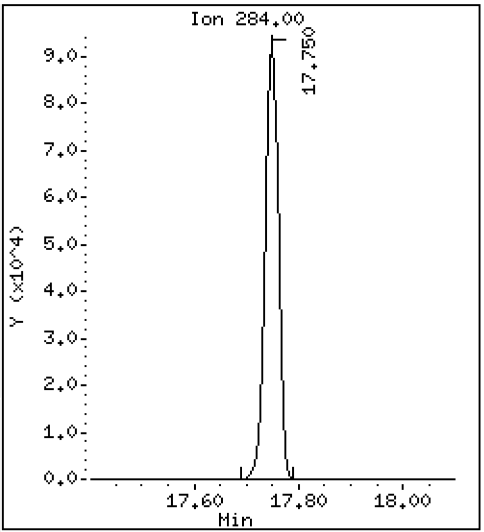
57 Hexachlorobenzene Concentration: 4.553 ug/mL


Scan 1676 (17.750 min) of NT1422123011.D


Scan 1676 (17.750 min) of NT1422123011.D (Subtracted)


57 Hexachlorobenzene (Reference Spectrum)


Scan 1676 (17.750 min) of NT1422123011.D (% DIFFERENCE)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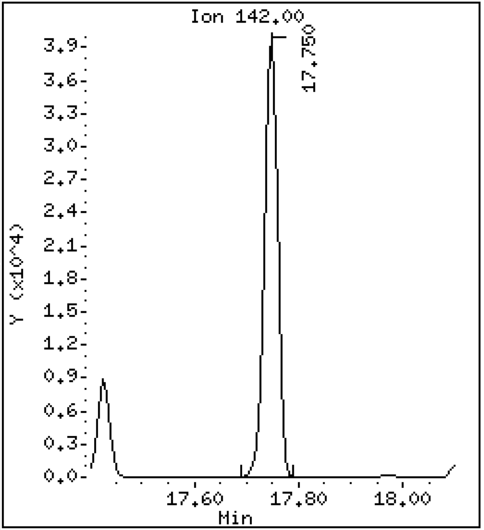
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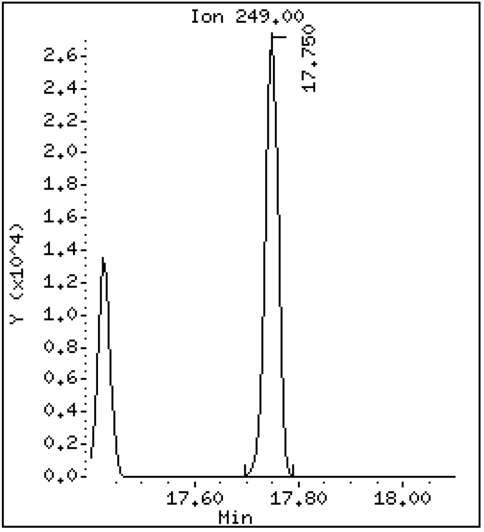

Ion 249.00

Data File: \\target\share\chem3\nt14.i\20221230.b\NT1422123011.D

Date : 30-DEC-2022 13:31

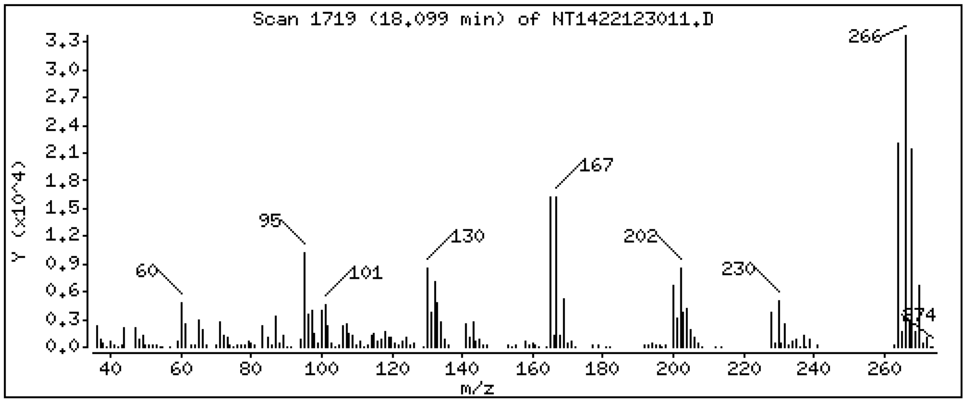
Client ID: Instrument: nt14.i

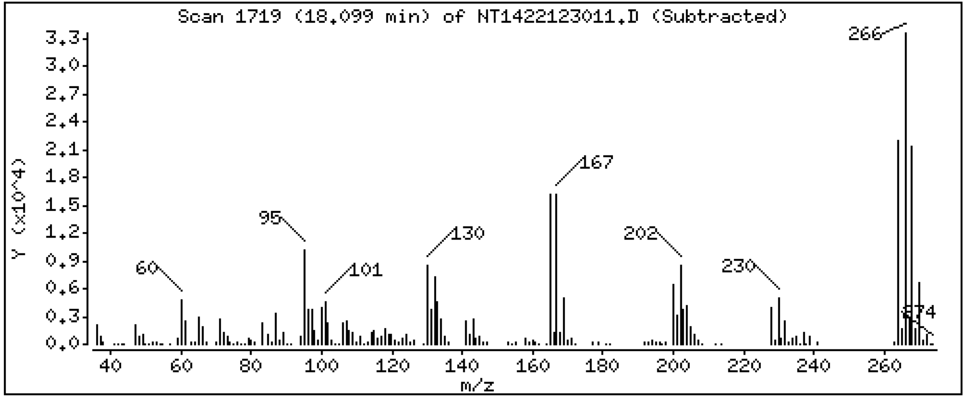
Sample Info: SKL0355-SCV1

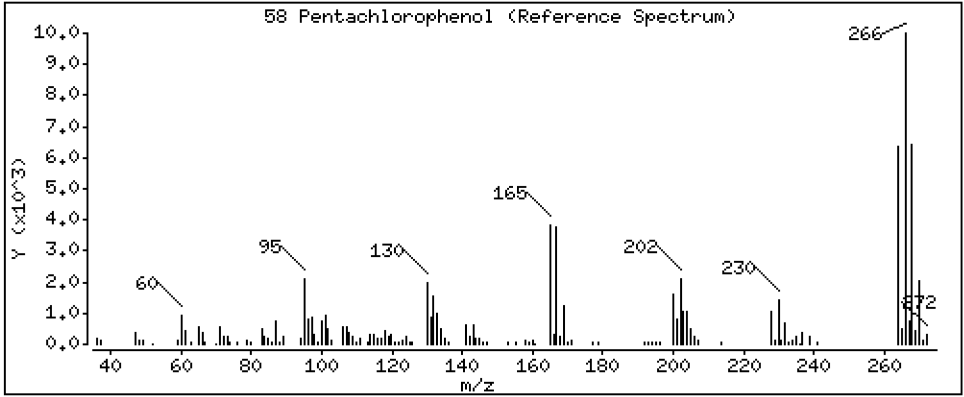
Operator: VTS

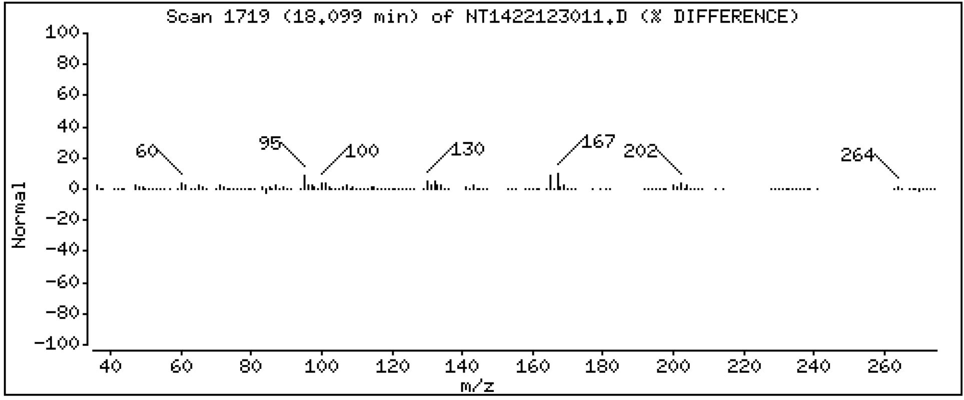
Column phase: ZB-5msi Column diameter: 0.25

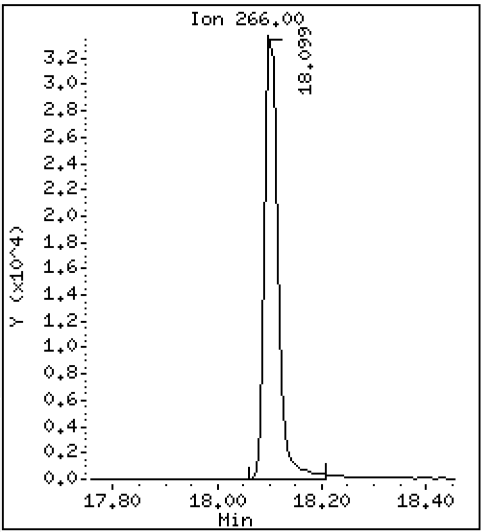
58 Pentachlorophenol Concentration: 3.796 ug/mL

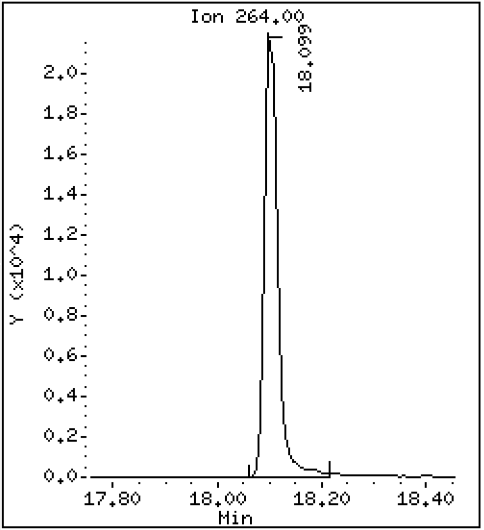

Scan 1719 (18.099 min) of NT1422123011.D

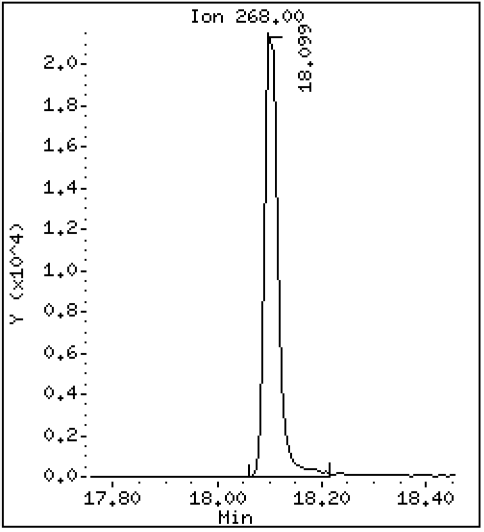

Scan 1719 (18.099 min) of NT1422123011.D (Subtracted)


58 Pentachlorophenol (Reference Spectrum)


Scan 1719 (18.099 min) of NT1422123011.D (% DIFFERENCE)


Ion 266.00


Ion 264.00


Ion 268.00

Data File: \\target\share\chem3\nt14.i\20221230.b\NT1422123011.D

Date : 30-DEC-2022 13:31

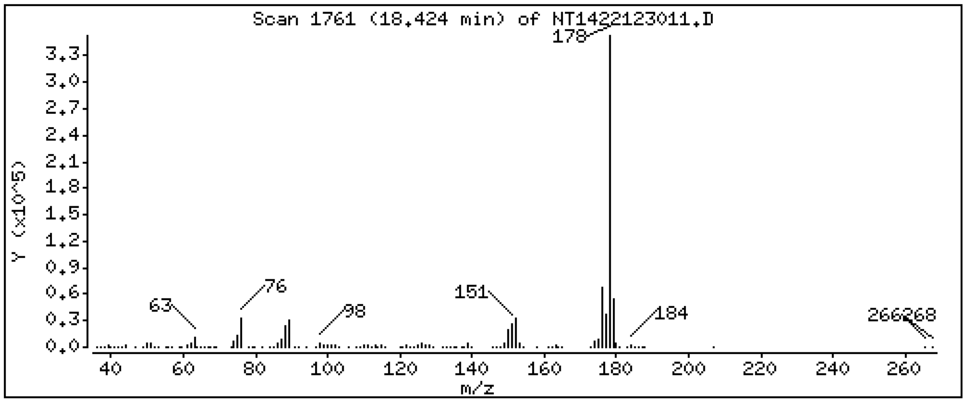
Client ID: Instrument: nt14.i

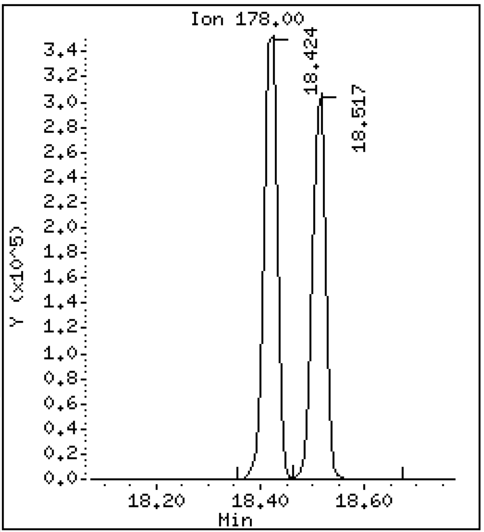
Sample Info: SKL0355-SCV1

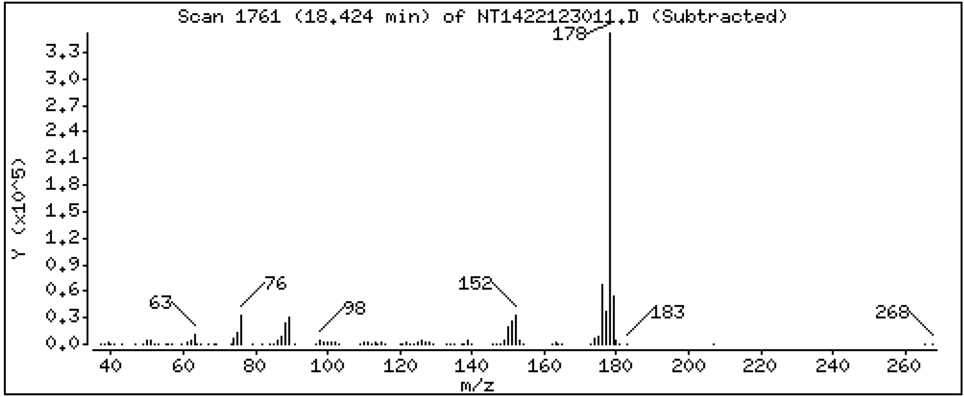
Operator: VTS

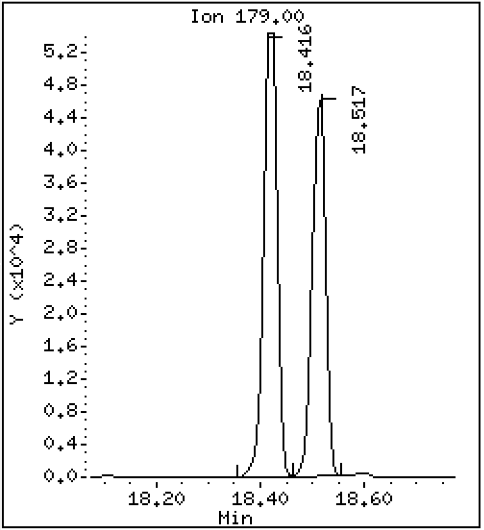
Column phase: ZB-5msi Column diameter: 0.25

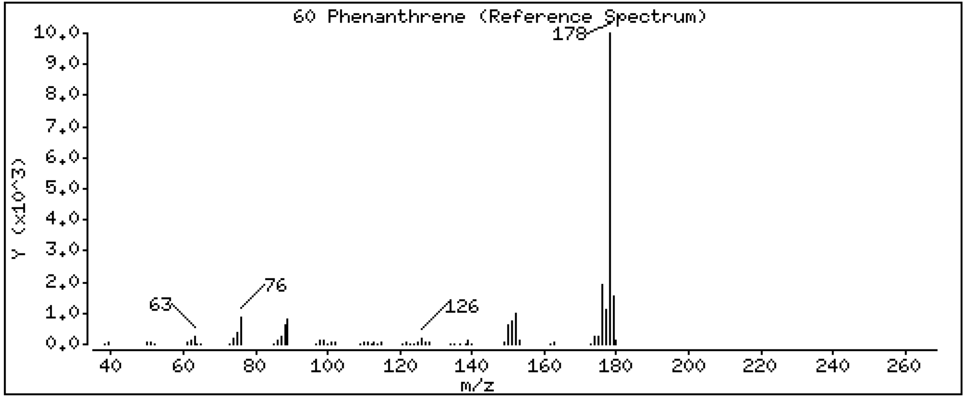
60 Phenanthrene Concentration: 4.767 ug/mL

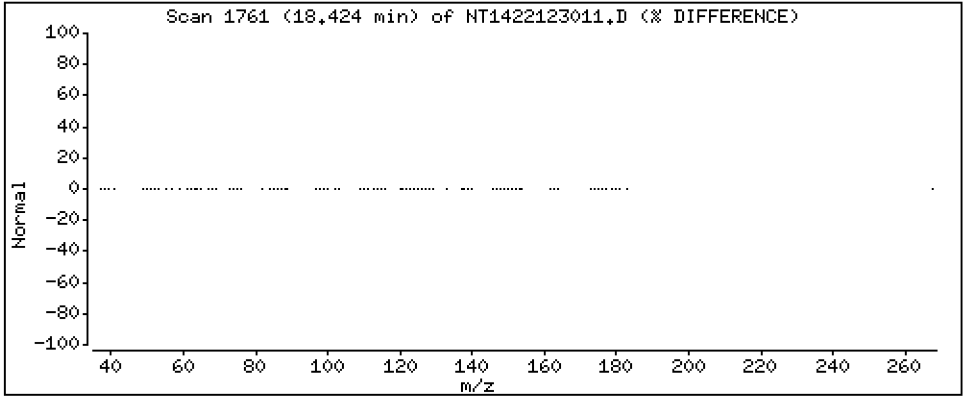


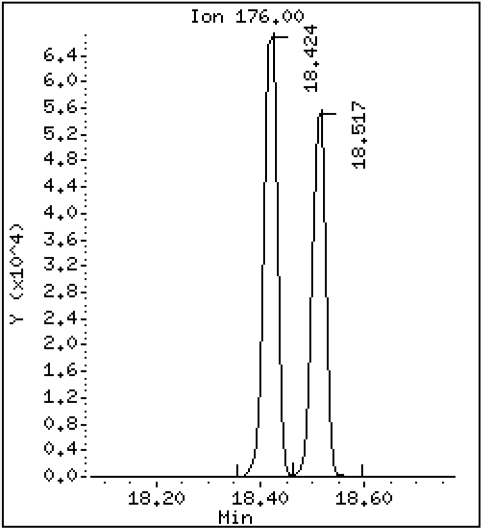












Data File: \\target\share\chem3\nt14.i\20221230.b\NT1422123011.D

Date : 30-DEC-2022 13:31

Client ID:

Instrument: nt14.i

Sample Info: SKL0355-SCV1

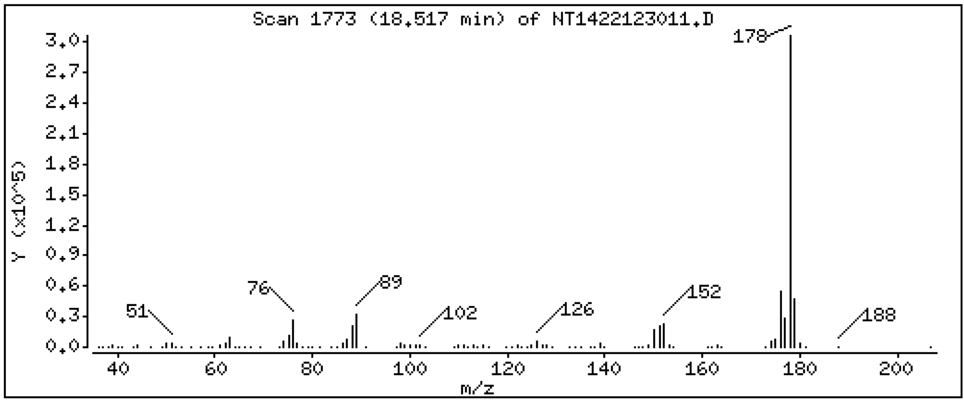
Operator: VTS

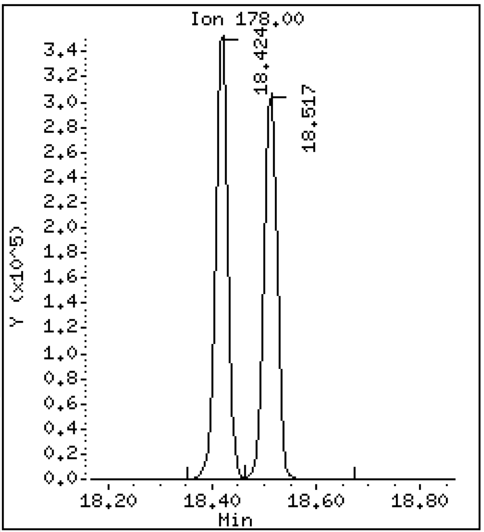
Column phase: ZB-5msi

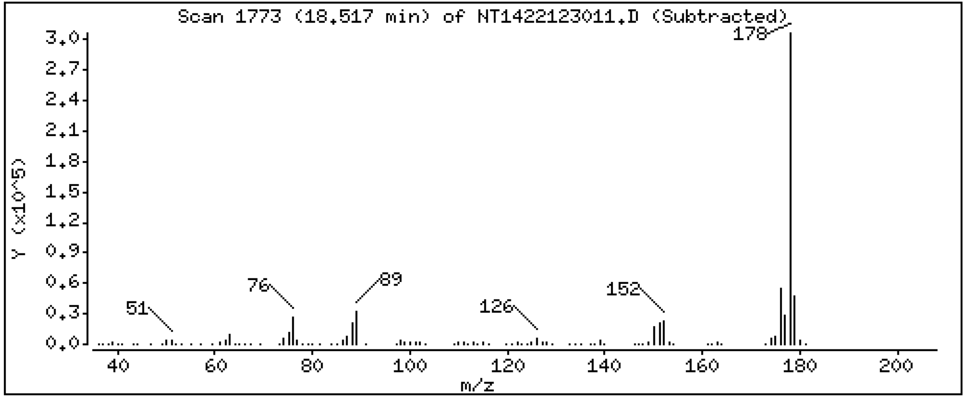
Column diameter: 0.25

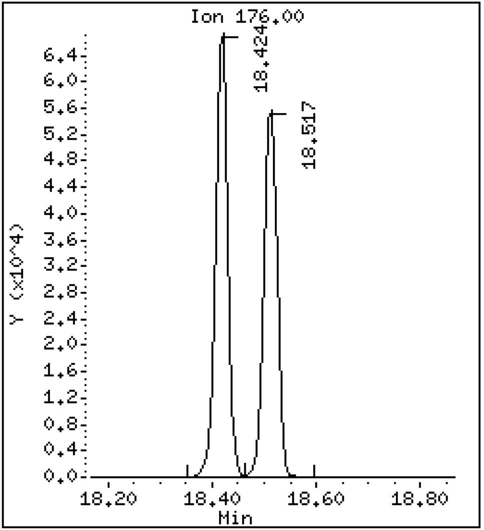
61 Anthracene

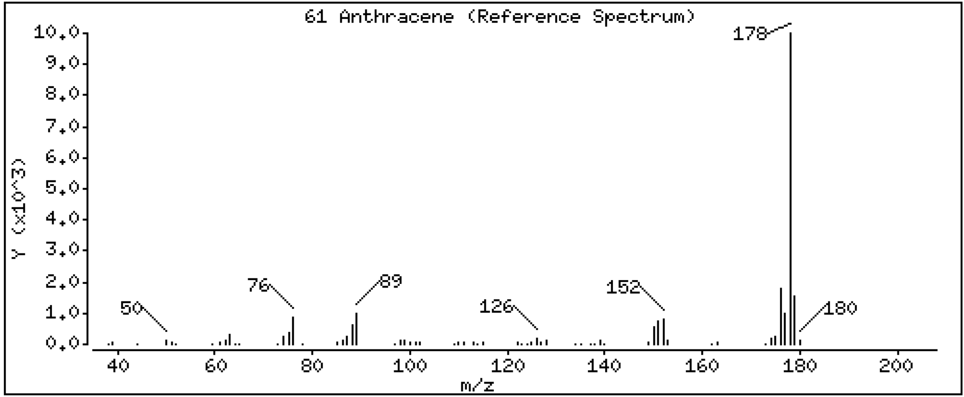
Concentration: 4.373 ug/mL

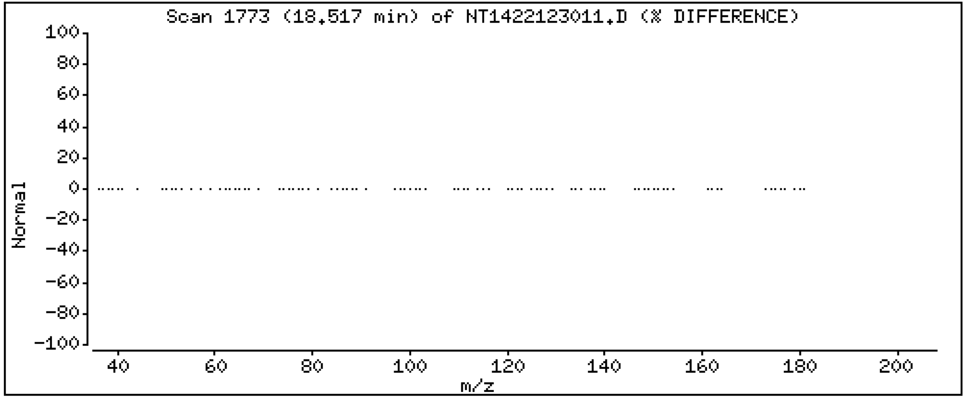

Scan 1773 (18.517 min) of NT1422123011.D

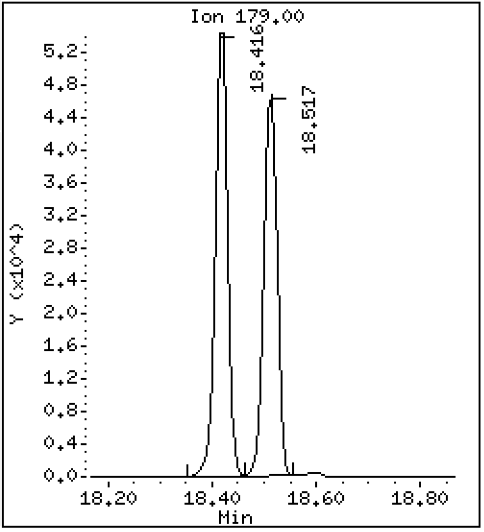

Ion 178.00


Scan 1773 (18.517 min) of NT1422123011.D (Subtracted)


Ion 176.00


61 Anthracene (Reference Spectrum)


Scan 1773 (18.517 min) of NT1422123011.D (% DIFFERENCE)


Ion 179.00

Data File: \\target\share\chem3\nt14.i\20221230.b\NT1422123011.D

Date : 30-DEC-2022 13:31

Client ID:

Instrument: nt14.i

Sample Info: SKL0355-SCV1

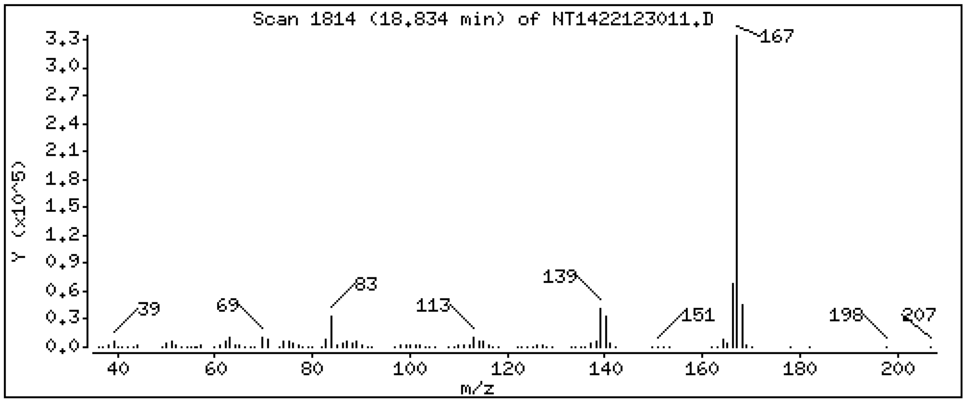
Operator: VTS

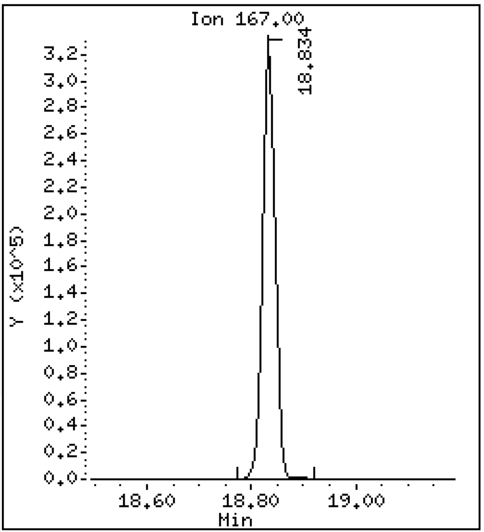
Column phase: ZB-5msi

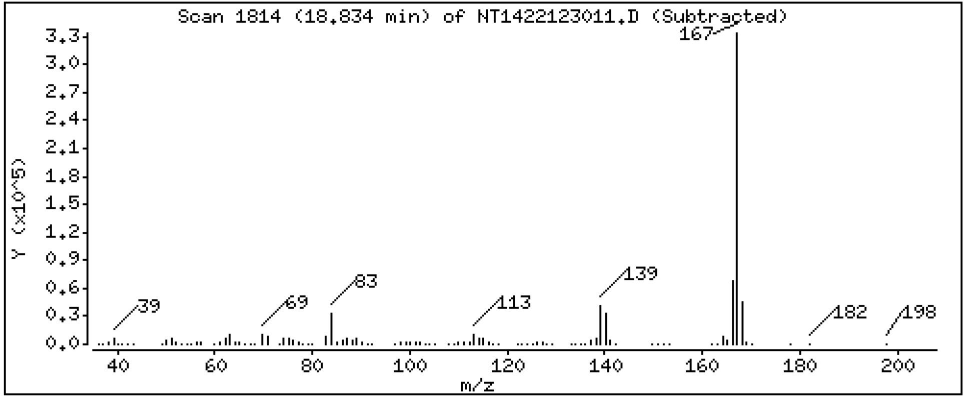
Column diameter: 0.25

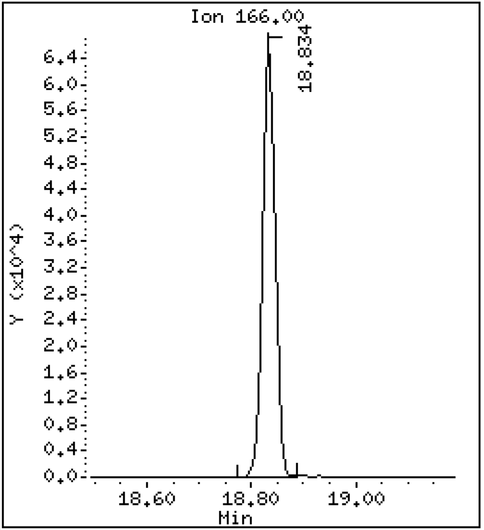
62 Carbazole

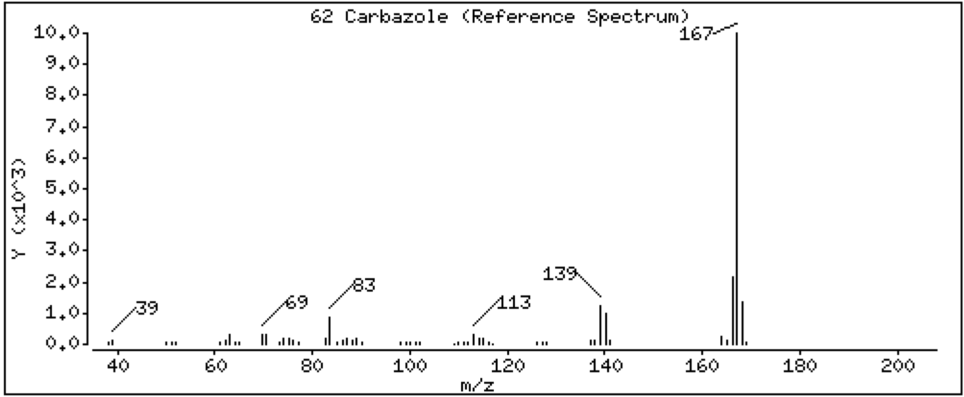
Concentration: 4.620 ug/mL

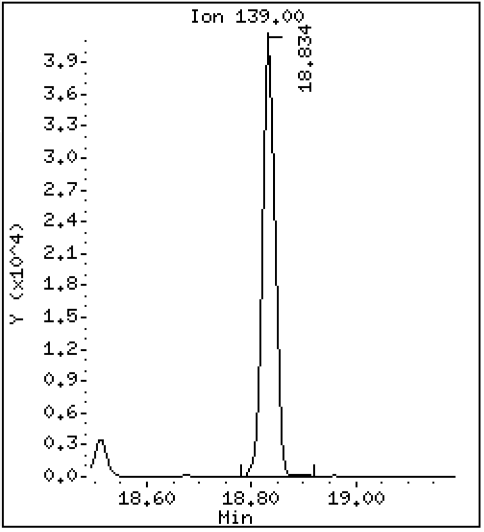

Scan 1814 (18.834 min) of NT1422123011.D

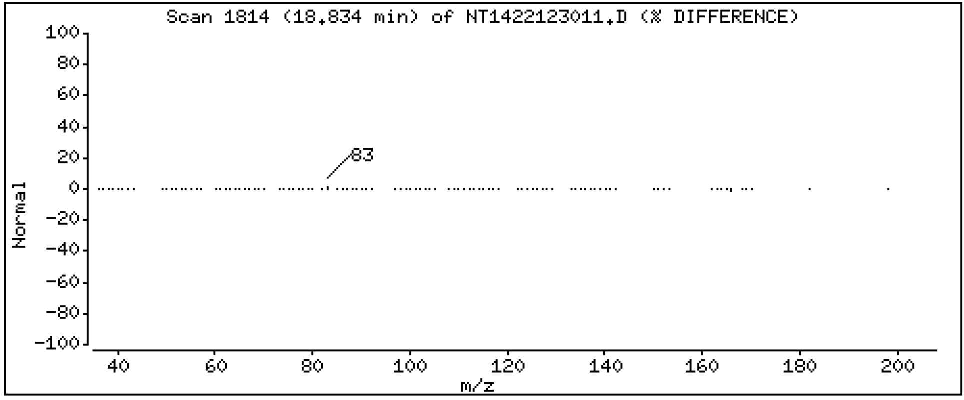

Ion 167.00


Scan 1814 (18.834 min) of NT1422123011.D (Subtracted)


Ion 166.00


62 Carbazole (Reference Spectrum)


Ion 139.00


Scan 1814 (18.834 min) of NT1422123011.D (% DIFFERENCE)

Data File: \\target\share\chem3\nt14.i\20221230.b\NT1422123011.D

Date : 30-DEC-2022 13:31

Client ID:

Instrument: nt14.i

Sample Info: SKL0355-SCV1

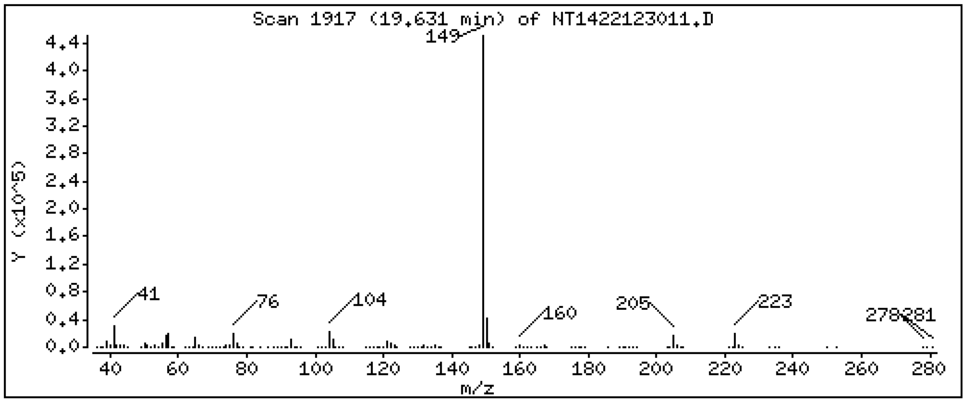
Operator: VTS

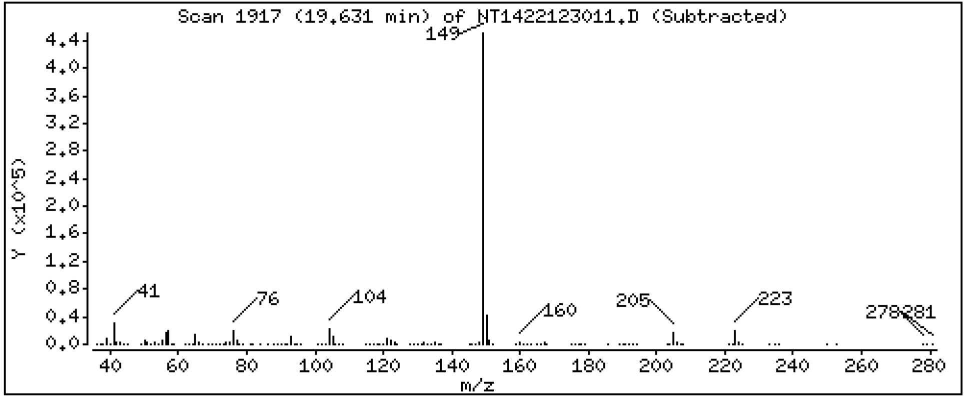
Column phase: ZB-5msi

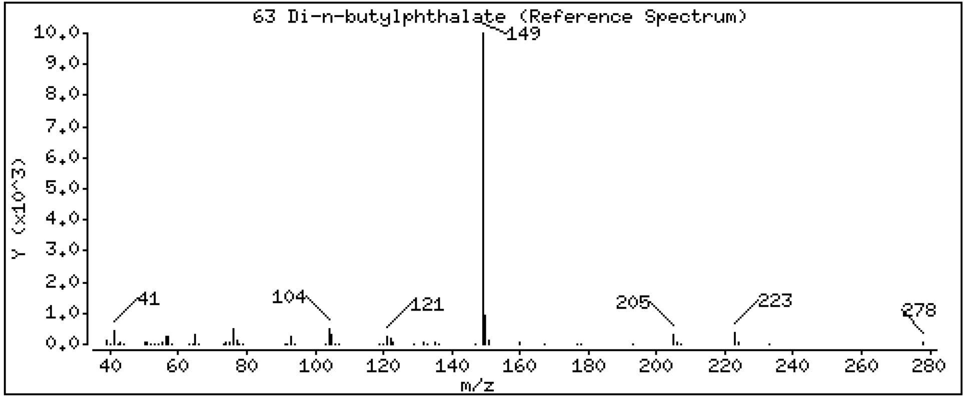
Column diameter: 0.25

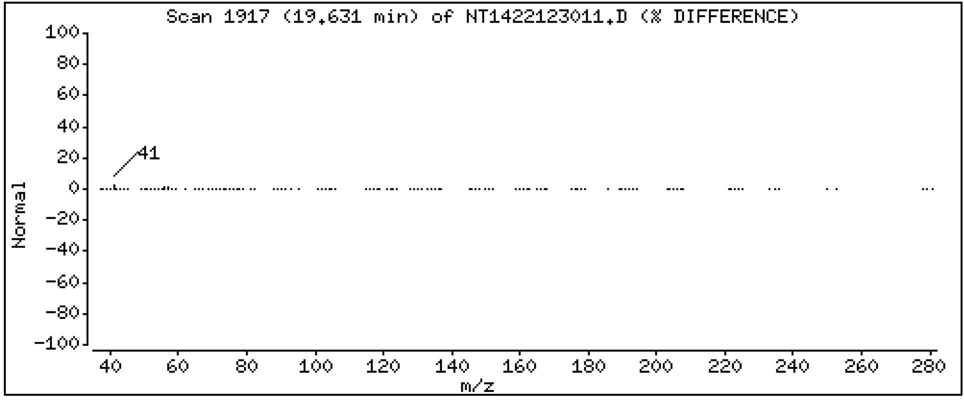
63 Di-n-butylphthalate

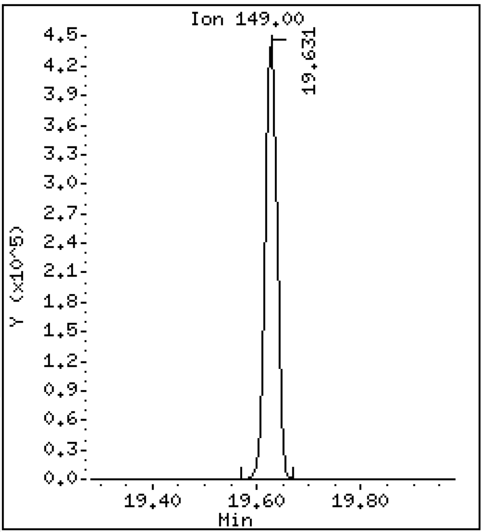
Concentration: 4.931 ug/mL

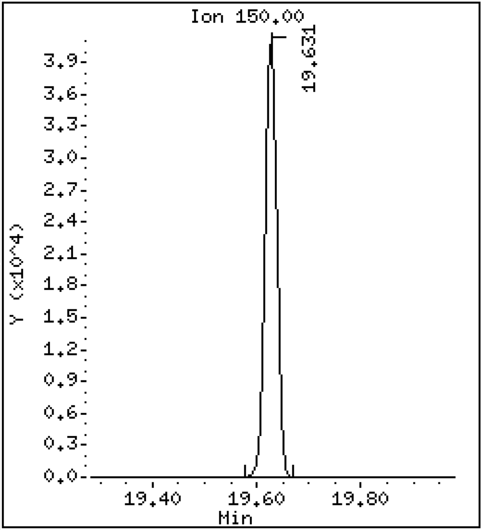

Scan 1917 (19.631 min) of NT1422123011.D

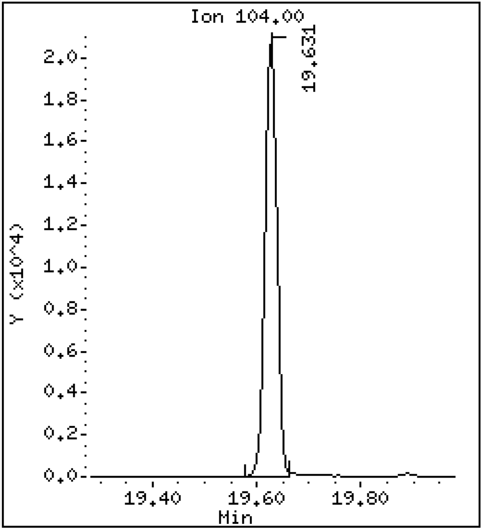

Scan 1917 (19.631 min) of NT1422123011.D (Subtracted)


63 Di-n-butylphthalate (Reference Spectrum)


Scan 1917 (19.631 min) of NT1422123011.D (% DIFFERENCE)


Ion 149.00


Ion 150.00


Ion 104.00

Data File: \\target\share\chem3\nt14.i\20221230.b\NT1422123011.D

Date : 30-DEC-2022 13:31

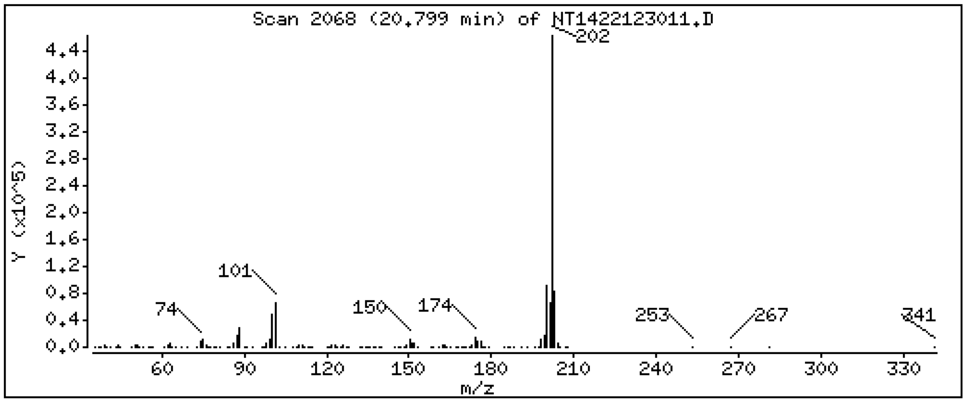
Client ID: Instrument: nt14.i

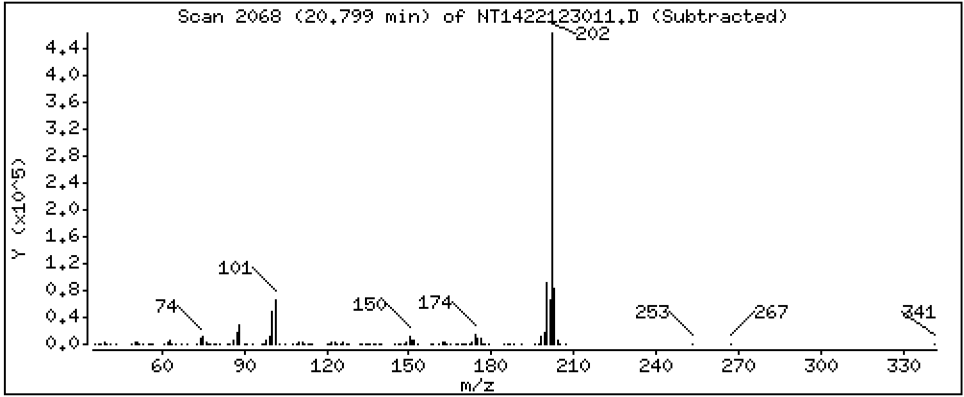
Sample Info: SKL0355-SCV1

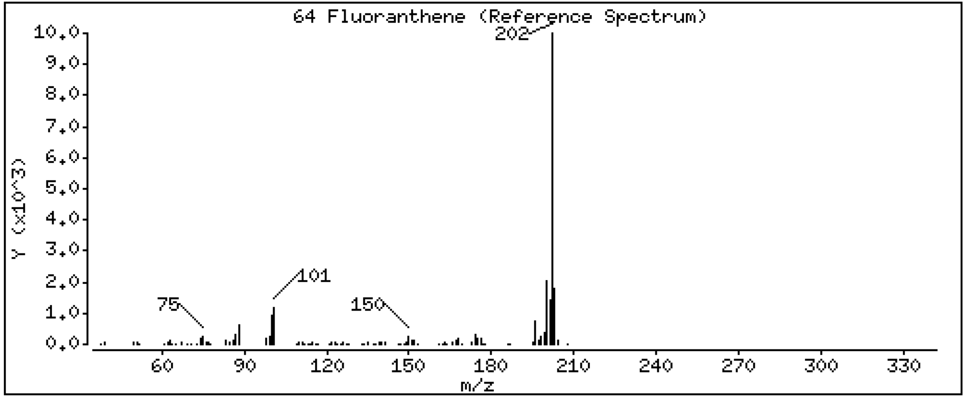
Operator: VTS

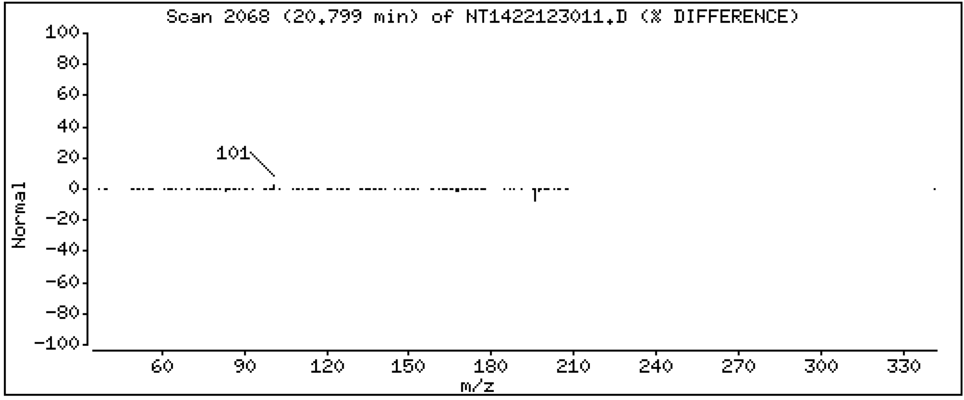
Column phase: ZB-5msi Column diameter: 0.25

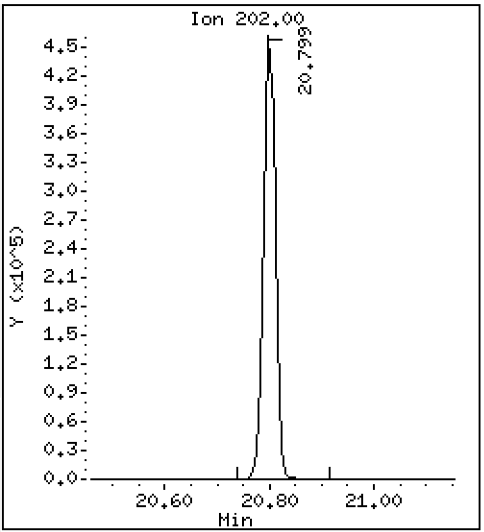
64 Fluoranthene Concentration: 5.090 ug/mL

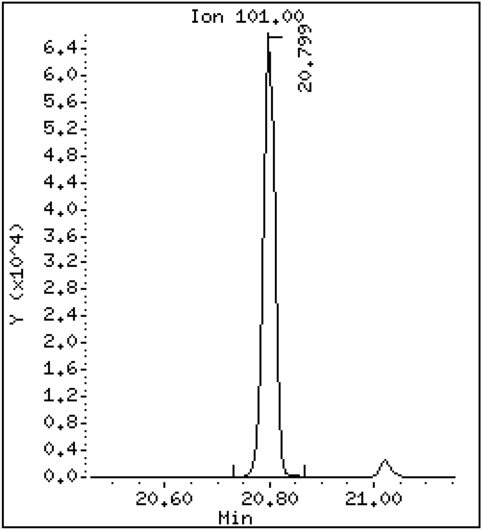


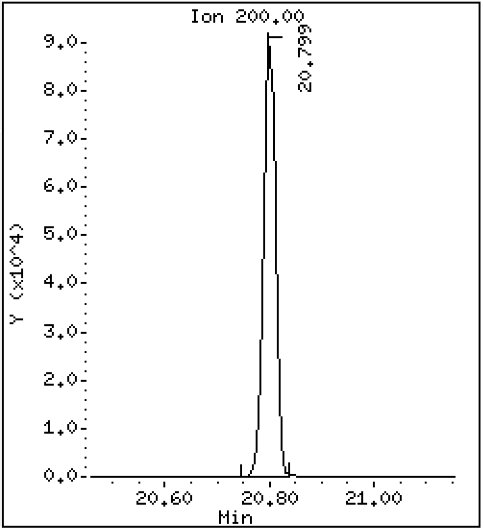












Data File: \\target\share\chem3\nt14.i\20221230.b\NT1422123011.D

Date : 30-DEC-2022 13:31

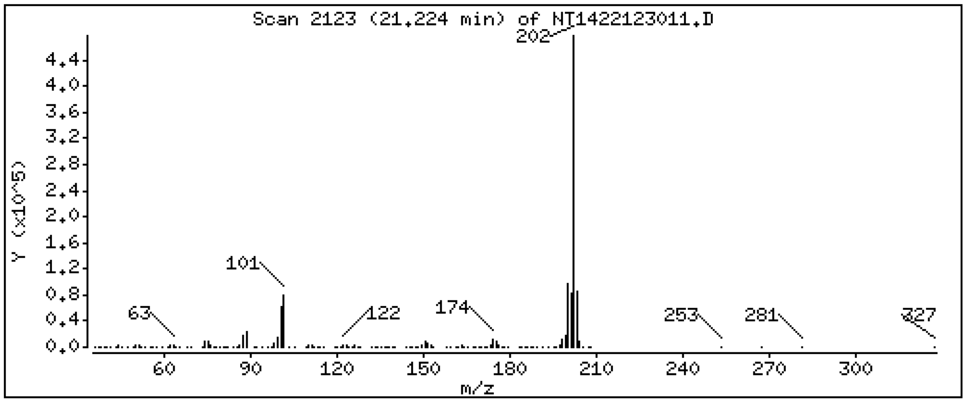
Client ID: Instrument: nt14.i

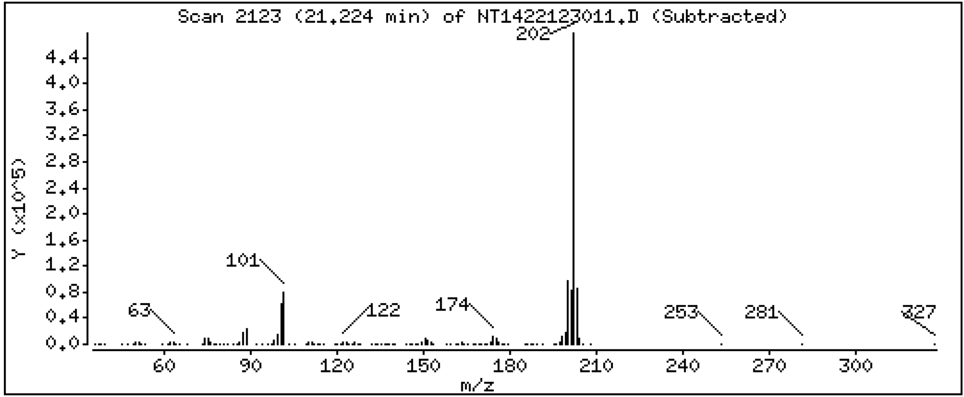
Sample Info: SKL0355-SCV1

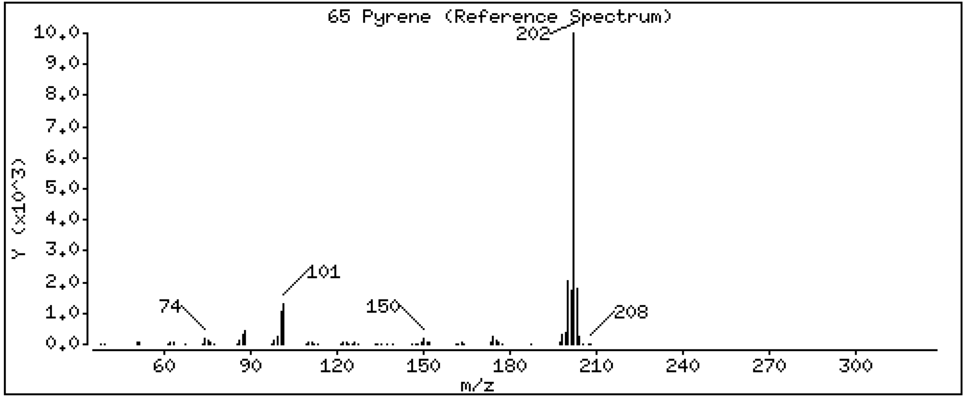
Operator: VTS

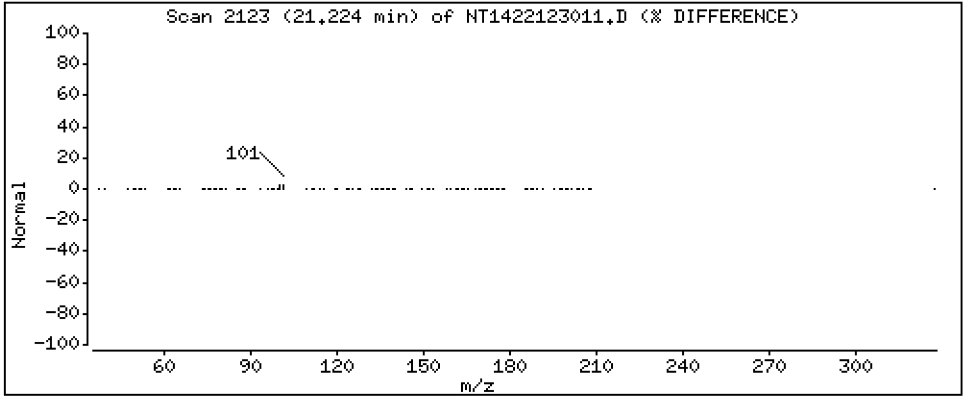
Column phase: ZB-5msi Column diameter: 0.25

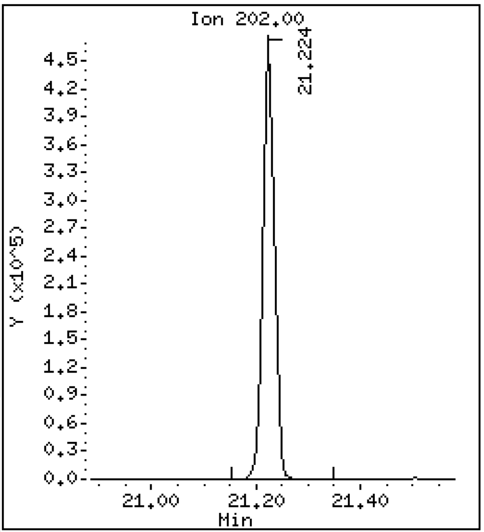
65 Pyrene Concentration: 5.022 ug/mL

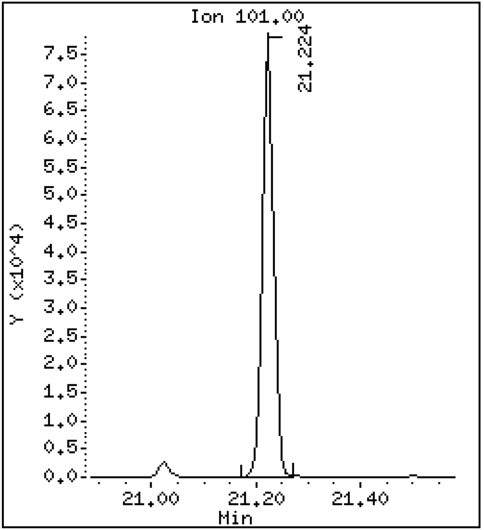

Scan 2123 (21.224 min) of NT1422123011.D

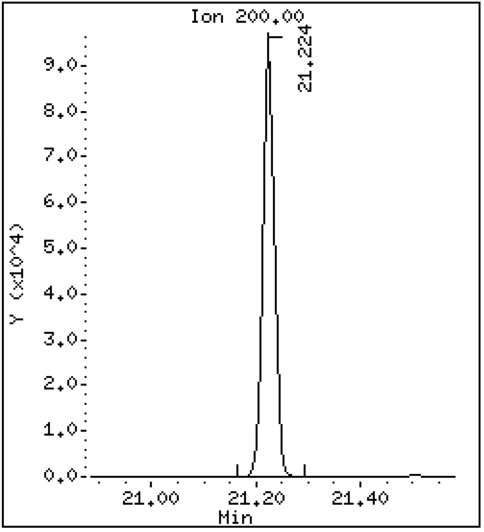

Scan 2123 (21.224 min) of NT1422123011.D (Subtracted)


65 Pyrene (Reference Spectrum)


Scan 2123 (21.224 min) of NT1422123011.D (% DIFFERENCE)


Ion 202.00


Ion 101.00


Ion 200.00

Data File: \\target\share\chem3\nt14.i\20221230.b\NT1422123011.D

Date : 30-DEC-2022 13:31

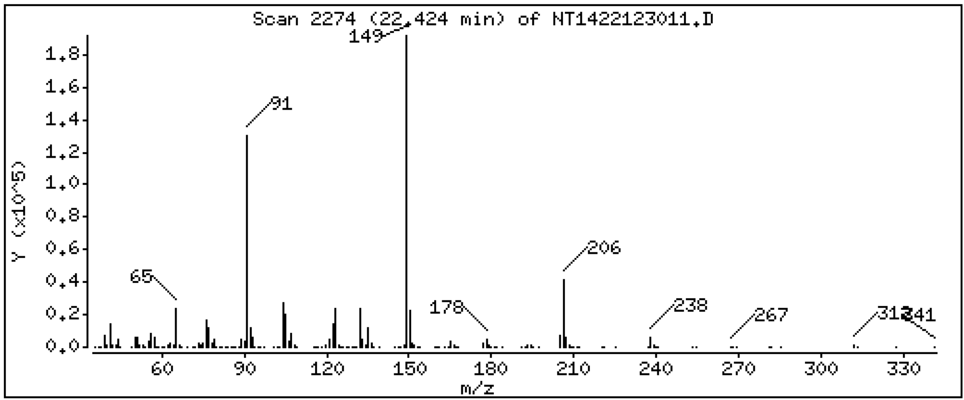
Client ID: Instrument: nt14.i

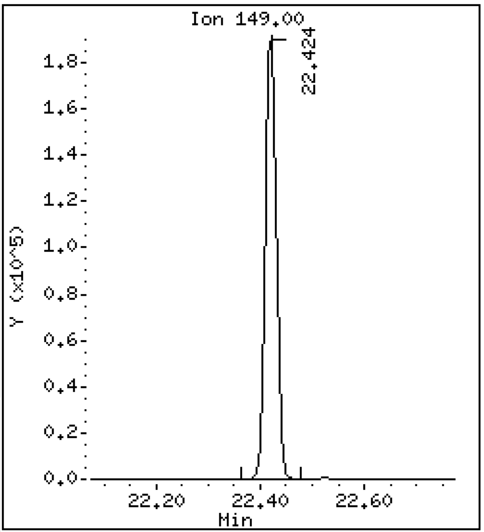
Sample Info: SKL0355-SCV1

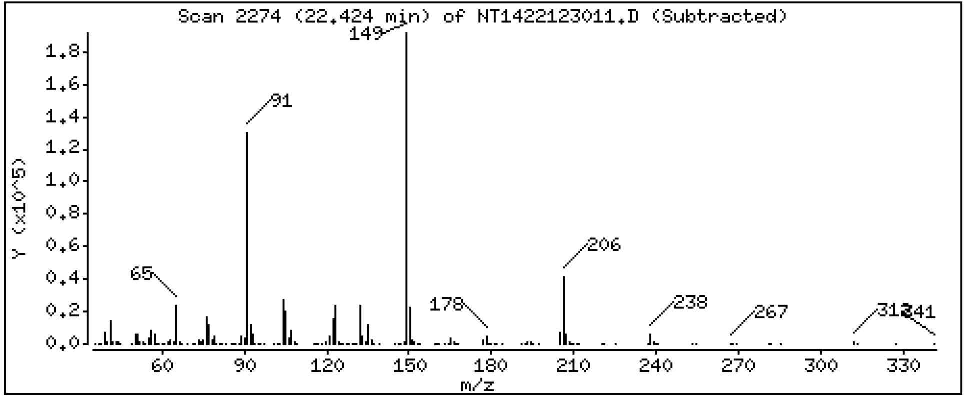
Operator: VTS

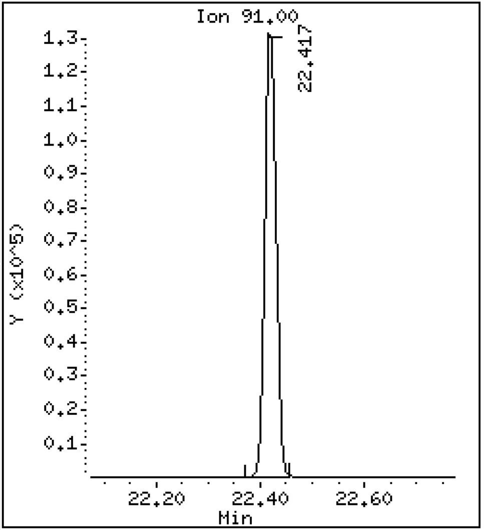
Column phase: ZB-5msi Column diameter: 0.25

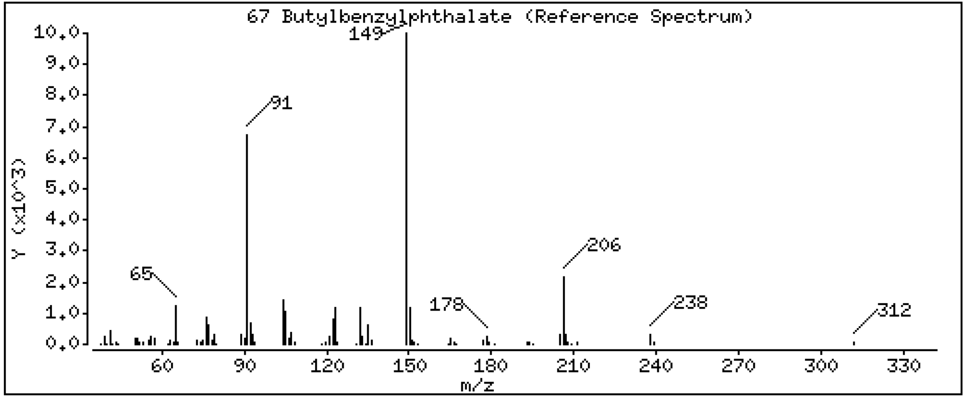
67 Butylbenzylphthalate Concentration: 5.005 ug/mL

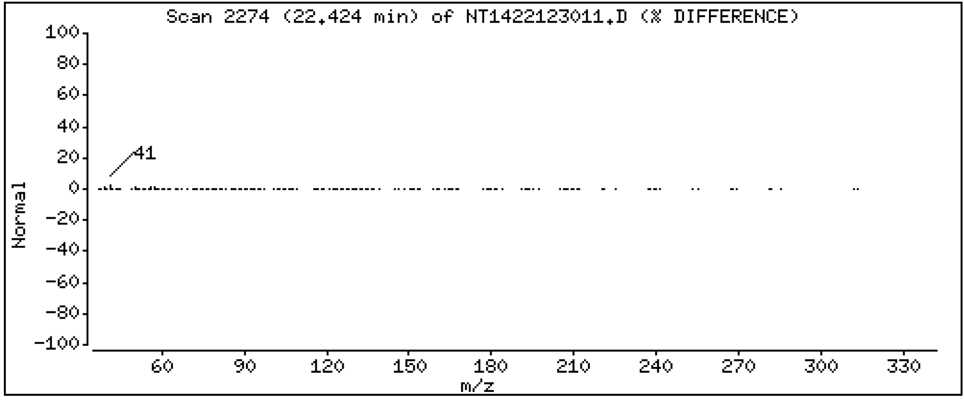


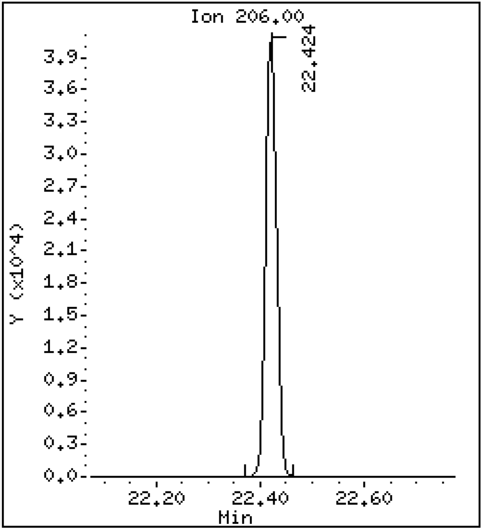












Data File: \\target\share\chem3\nt14.i\20221230.b\NT1422123011.D

Date : 30-DEC-2022 13:31

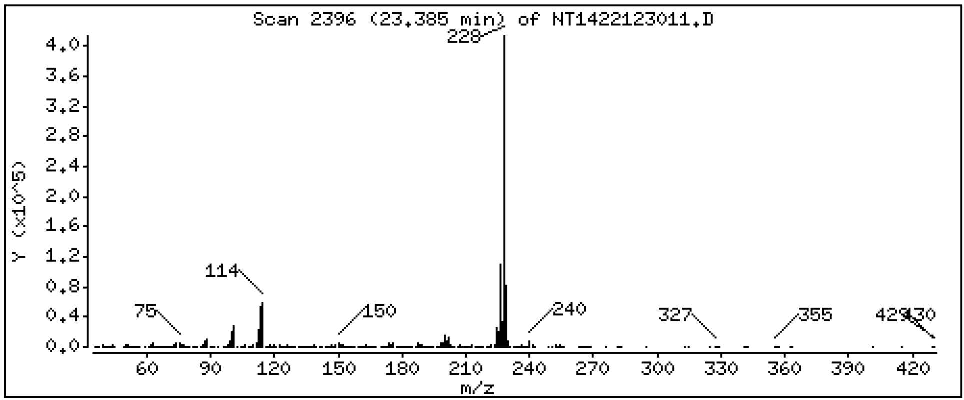
Client ID: Instrument: nt14.i

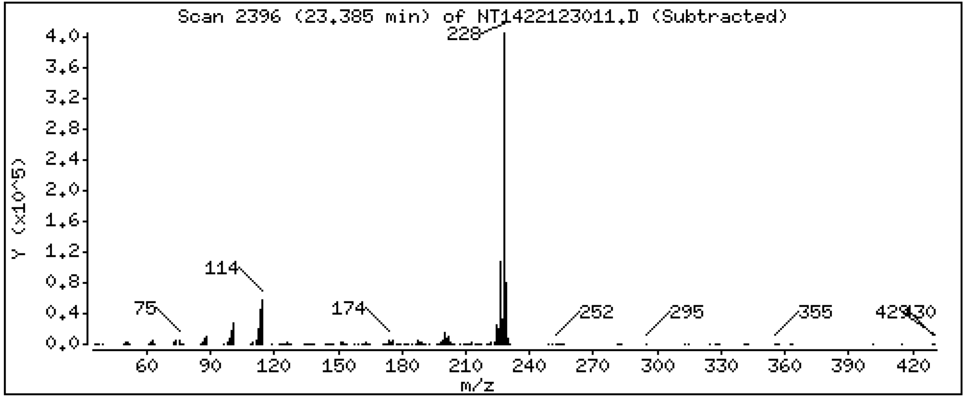
Sample Info: SKL0355-SCV1

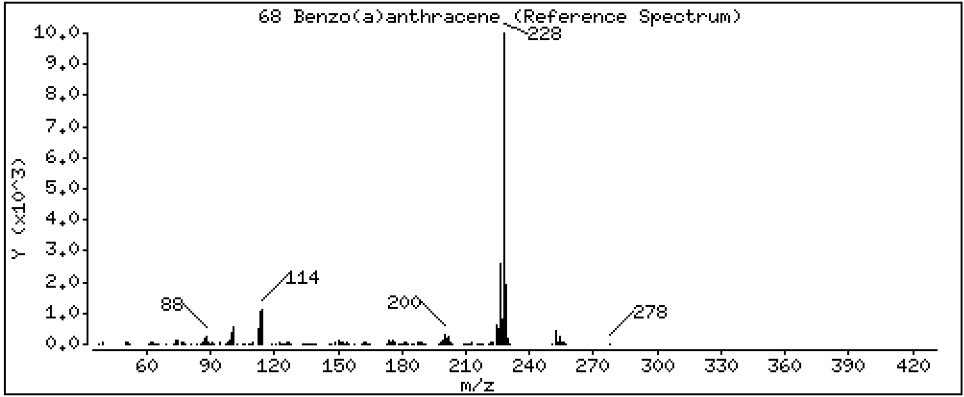
Operator: VTS

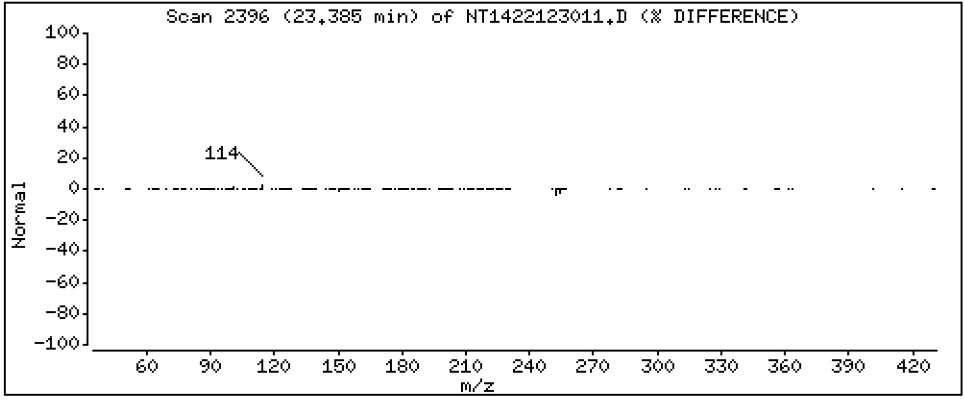
Column phase: ZB-5msi Column diameter: 0.25

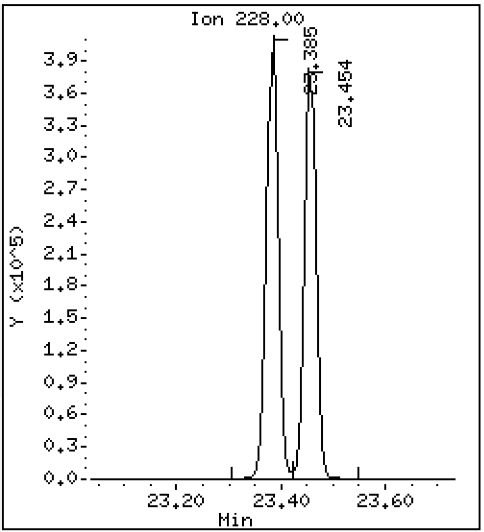
68 Benzo(a)anthracene Concentration: 4.890 ug/mL

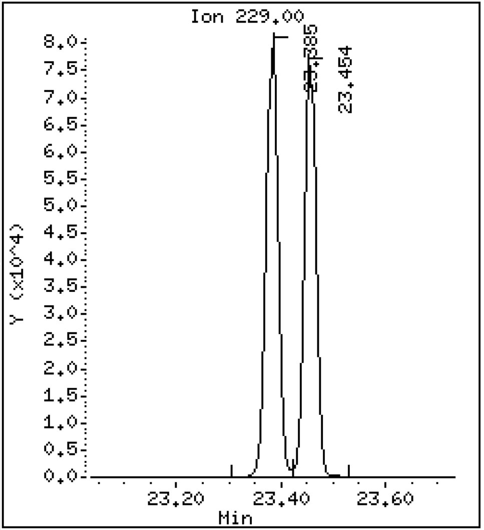

Scan 2396 (23.385 min) of NT1422123011.D

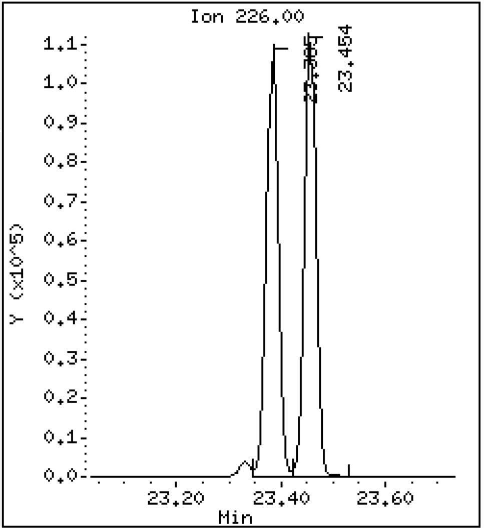

Scan 2396 (23.385 min) of NT1422123011.D (Subtracted)


68 Benzo(a)anthracene (Reference Spectrum)


Scan 2396 (23.385 min) of NT1422123011.D (% DIFFERENCE)


Ion 228.00


Ion 229.00


Ion 226.00

Data File: \\target\share\chem3\nt14.i\20221230.b\NT1422123011.D

Date : 30-DEC-2022 13:31

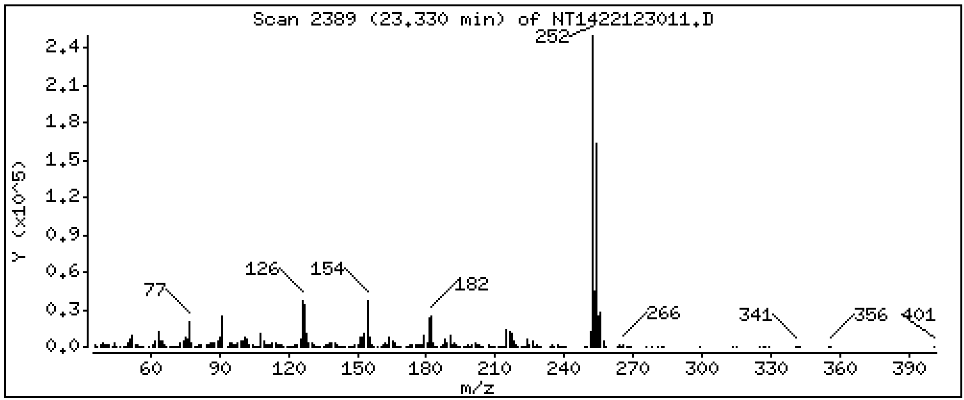
Client ID: Instrument: nt14.i

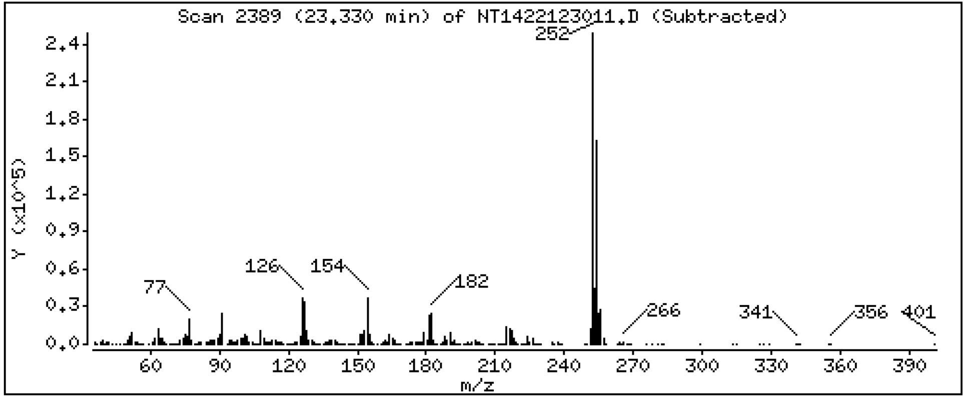
Sample Info: SKL0355-SCV1

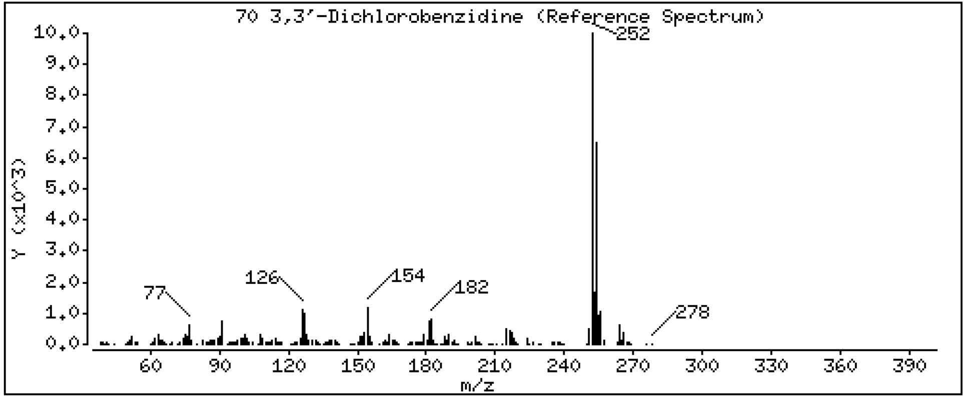
Operator: VTS

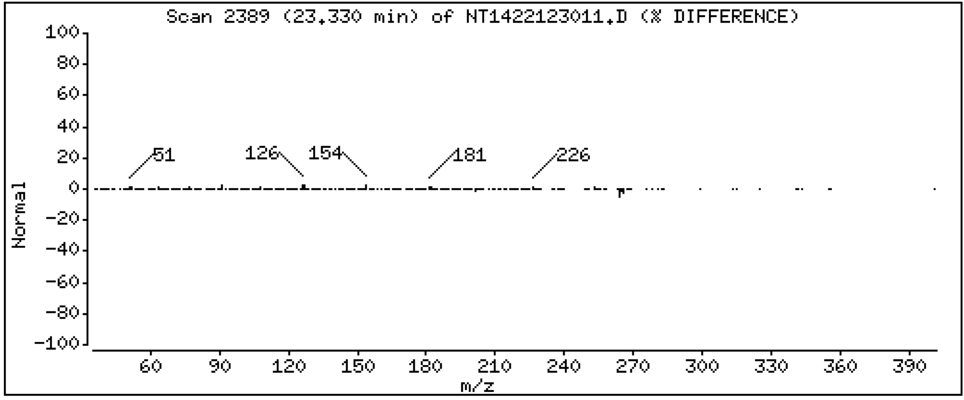
Column phase: ZB-5msi Column diameter: 0.25

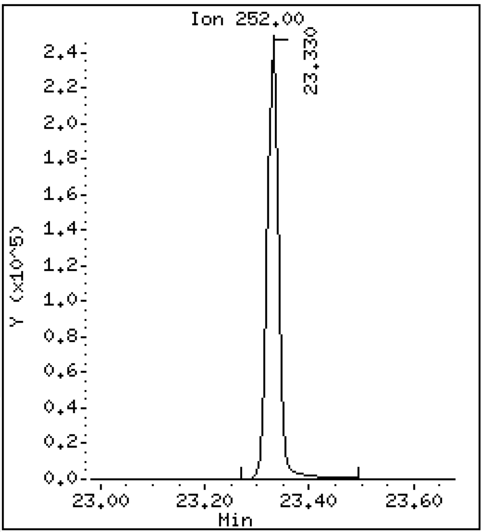
70 3,3'-Dichlorobenzidine Concentration: 9.207 ug/mL

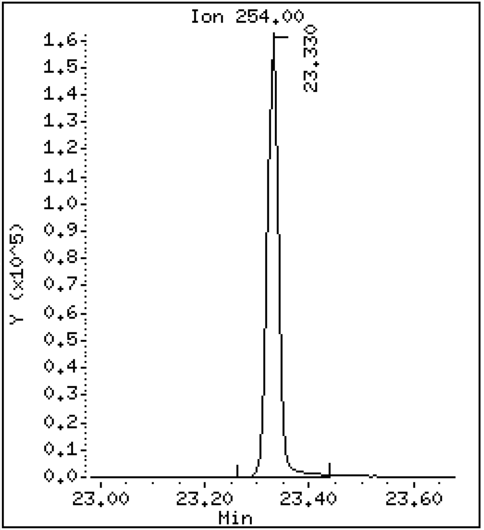


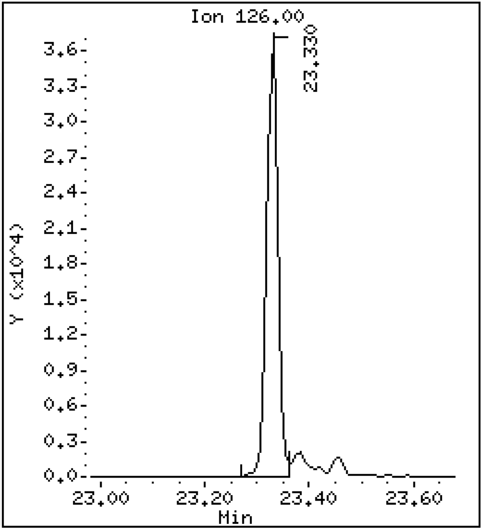












Data File: \\target\share\chem3\nt14.i\20221230.b\NT1422123011.D

Date : 30-DEC-2022 13:31

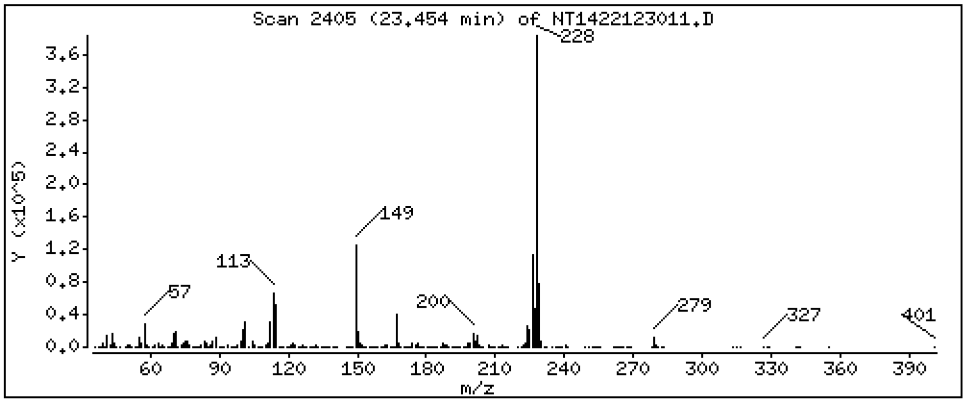
Client ID: Instrument: nt14.i

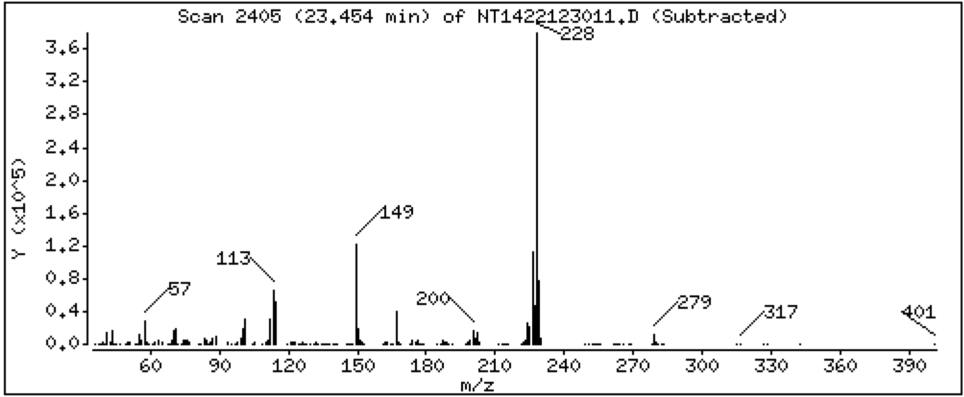
Sample Info: SKL0355-SCV1

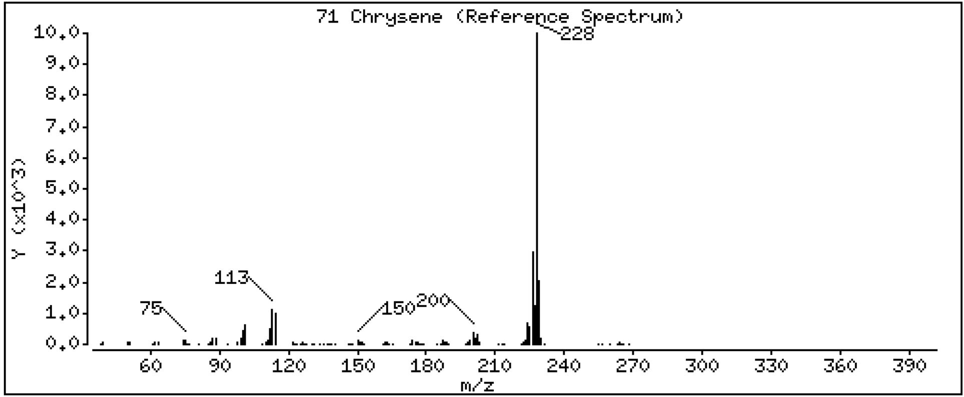
Operator: VTS

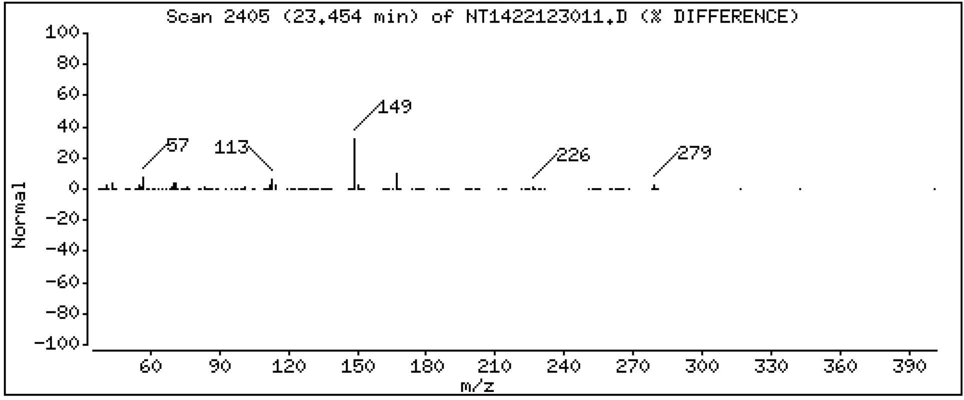
Column phase: ZB-5msi Column diameter: 0.25

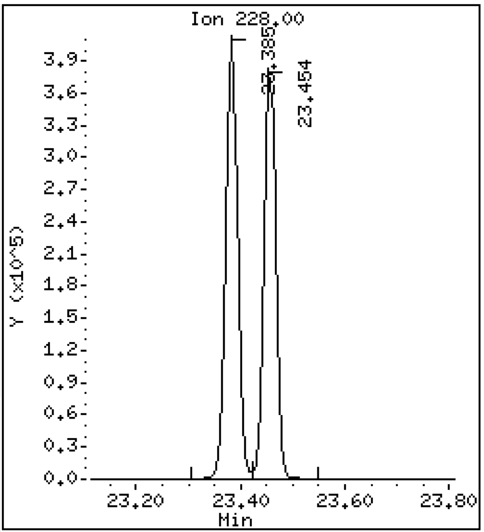
71 Chrysene Concentration: 4.763 ug/mL

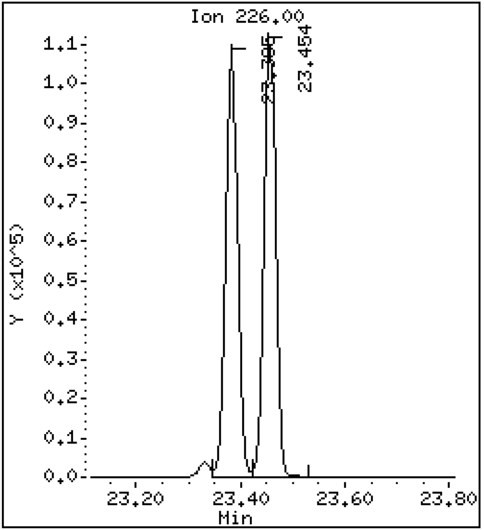


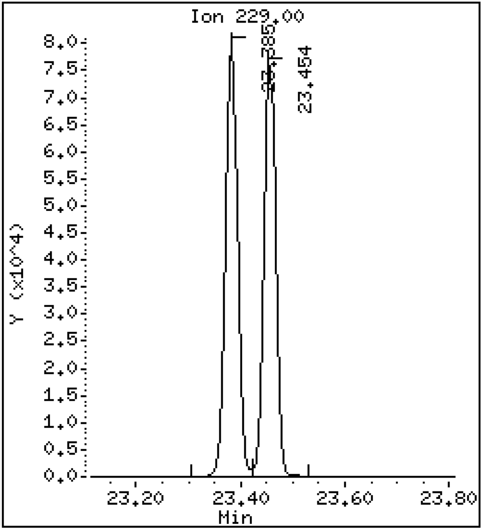












Data File: \\target\share\chem3\nt14.i\20221230.b\NT1422123011.D

Date : 30-DEC-2022 13:31

Client ID:

Instrument: nt14.i

Sample Info: SKL0355-SCV1

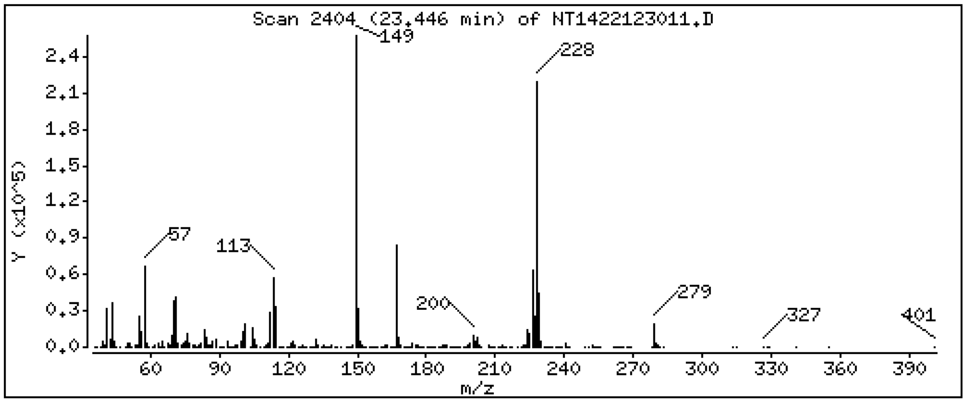
Operator: VTS

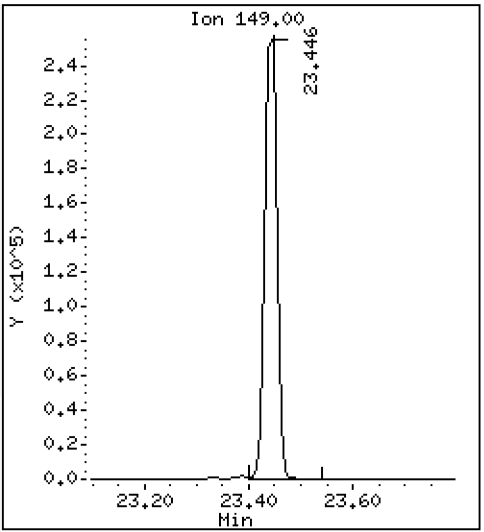
Column phase: ZB-5msi

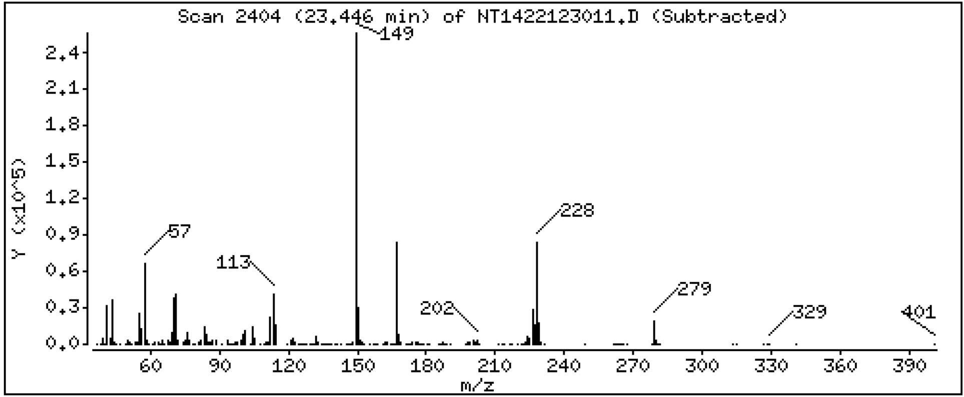
Column diameter: 0.25

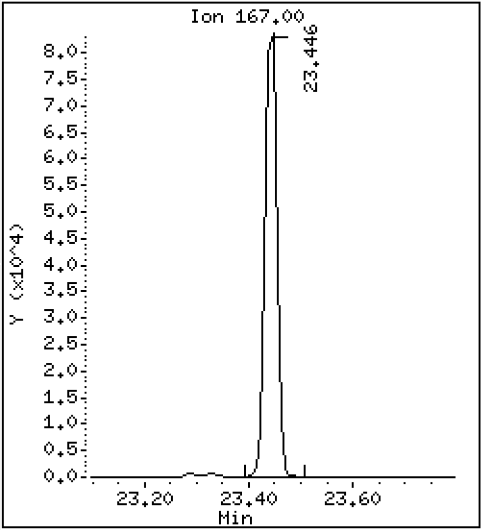
72 bis(2-Ethylhexyl)phthalate

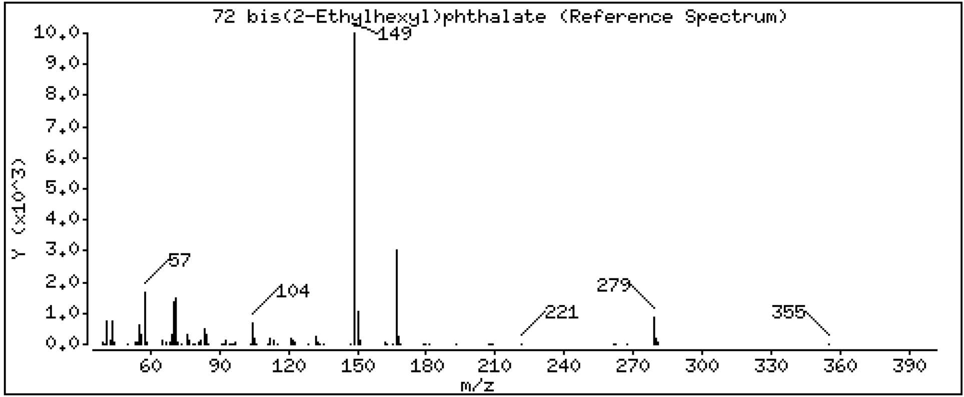
Concentration: 5.899 ug/mL

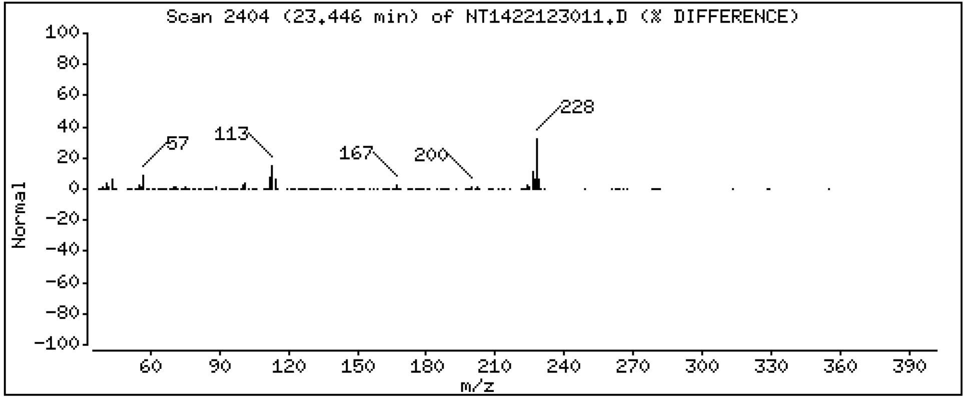

Scan 2404 (23.446 min) of NT1422123011.D

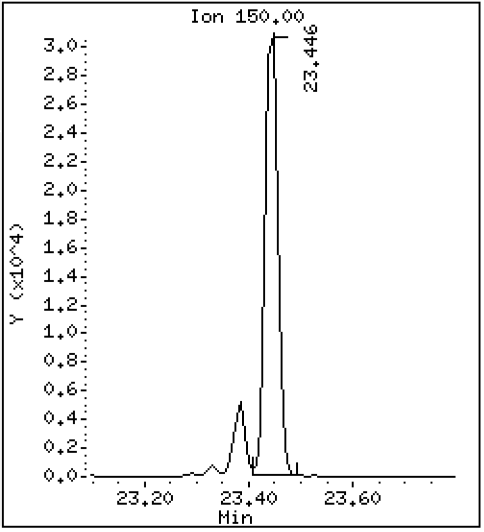

Ion 149.00


Scan 2404 (23.446 min) of NT1422123011.D (Subtracted)


Ion 167.00


72 bis(2-Ethylhexyl)phthalate (Reference Spectrum)


Scan 2404 (23.446 min) of NT1422123011.D (% DIFFERENCE)


Ion 150.00

Data File: \\target\share\chem3\nt14.i\20221230.b\NT1422123011.D

Date : 30-DEC-2022 13:31

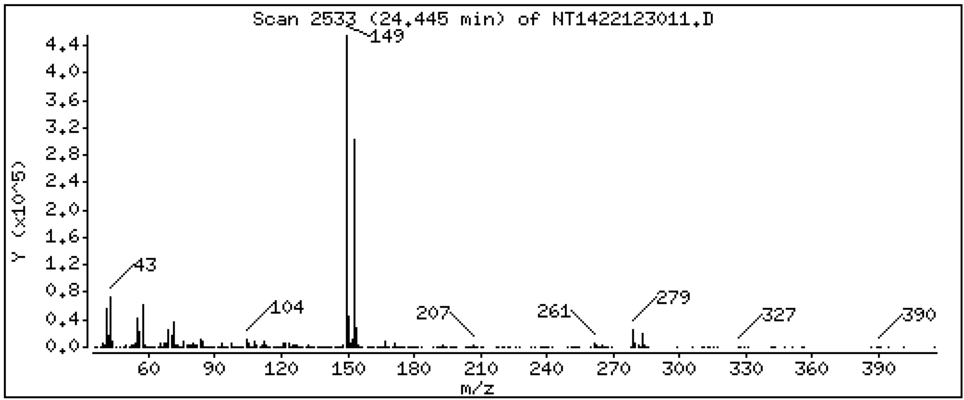
Client ID: Instrument: nt14.i

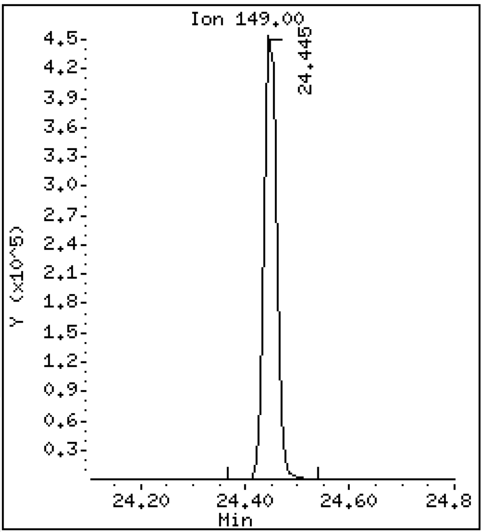
Sample Info: SKL0355-SCV1

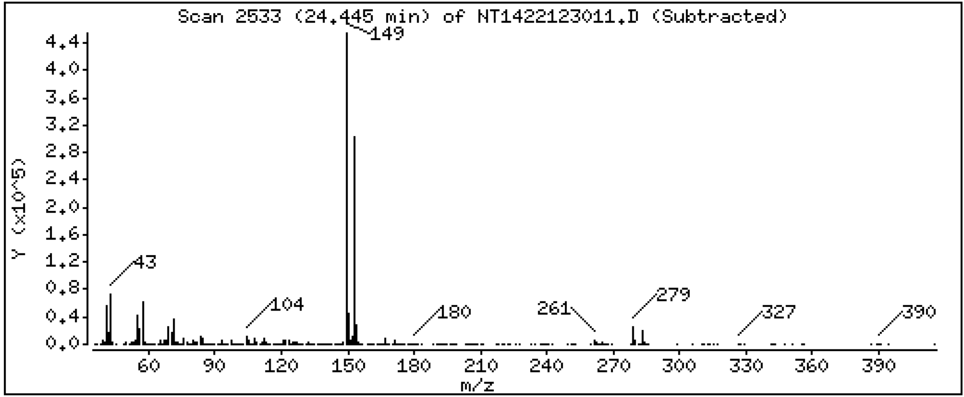
Operator: VTS

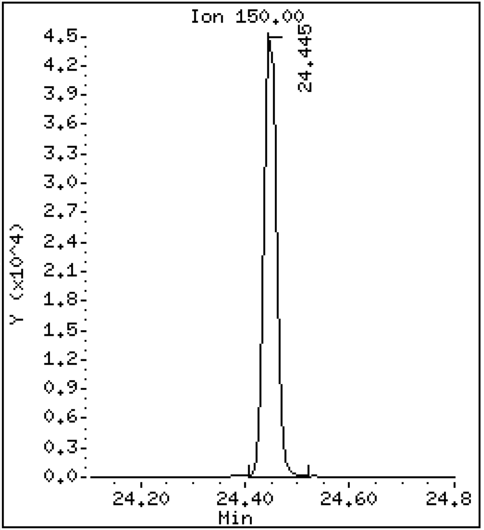
Column phase: ZB-5msi Column diameter: 0.25

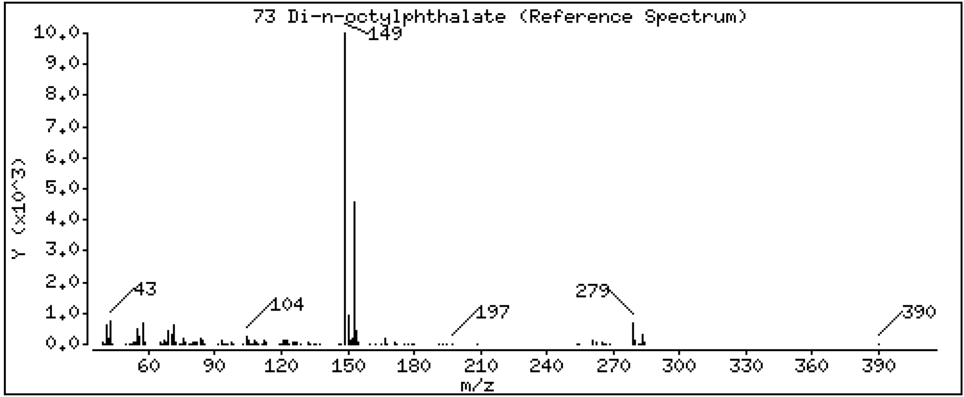
73 Di-n-octylphthalate Concentration: 5.083 ug/mL

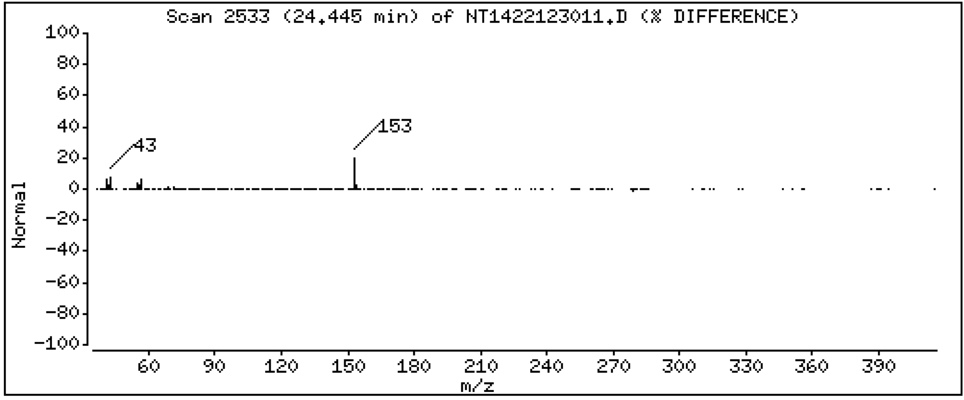

Scan 2533 (24.445 min) of NT1422123011.D

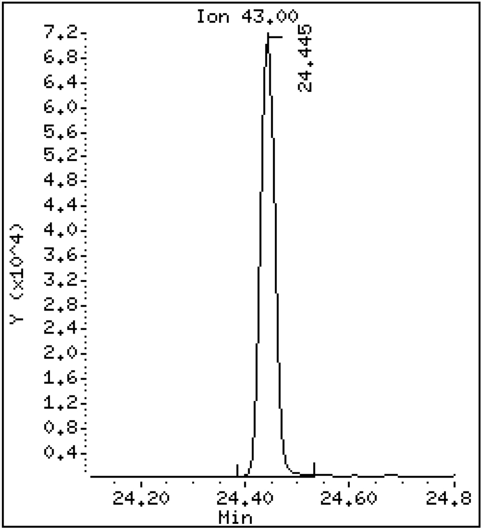

Ion 149.00


Scan 2533 (24.445 min) of NT1422123011.D (Subtracted)


Ion 150.00


73 Di-n-octylphthalate (Reference Spectrum)


Scan 2533 (24.445 min) of NT1422123011.D (% DIFFERENCE)


Ion 43.00

Data File: \\target\share\chem3\nt14.i\20221230.b\NT1422123011.D

Date : 30-DEC-2022 13:31

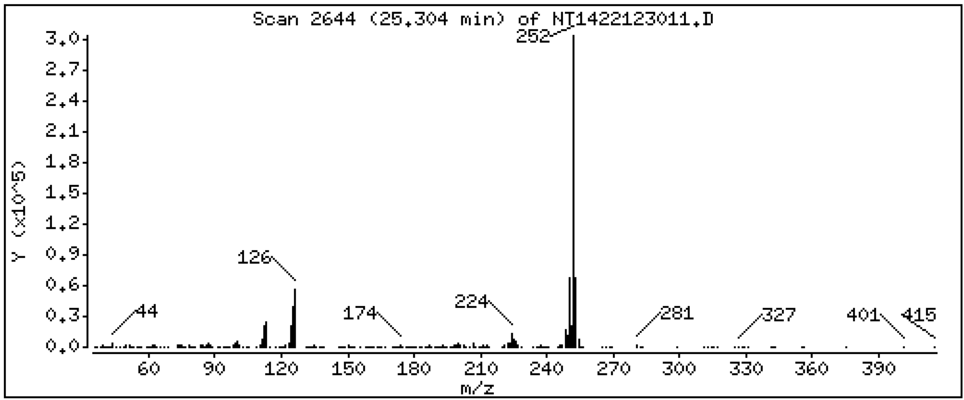
Client ID: Instrument: nt14.i

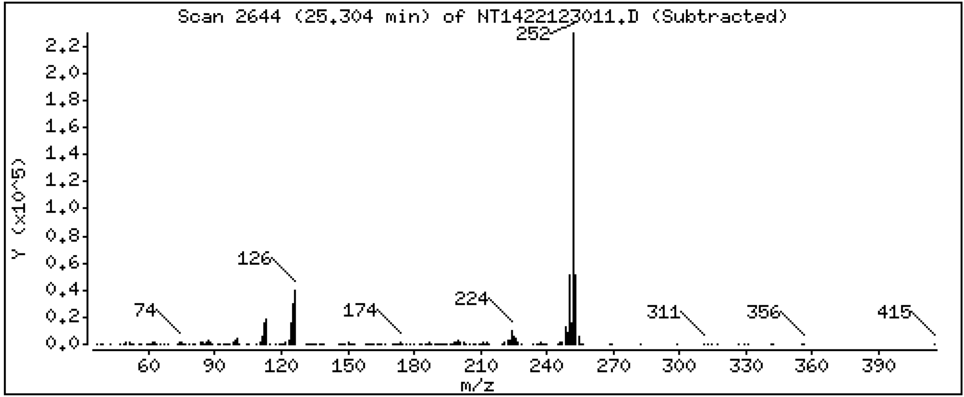
Sample Info: SKL0355-SCV1

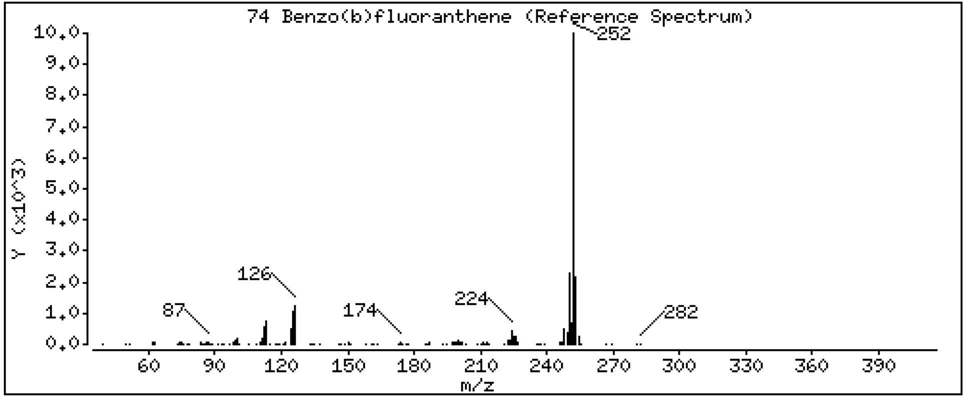
Operator: VTS

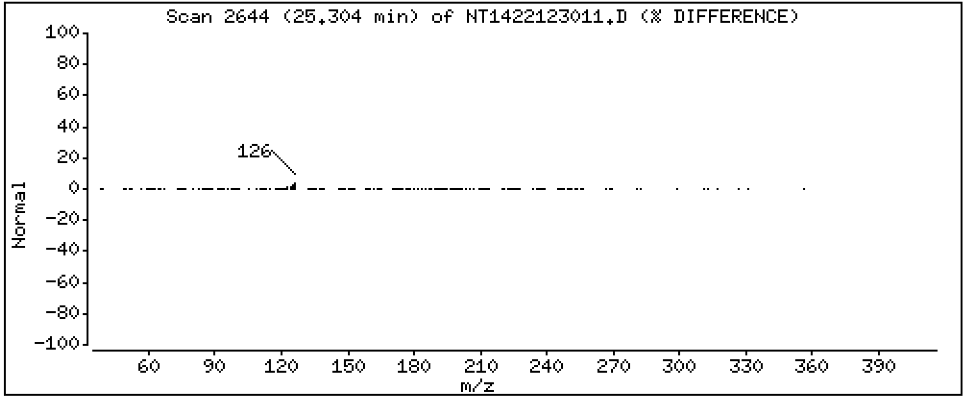
Column phase: ZB-5msi Column diameter: 0.25

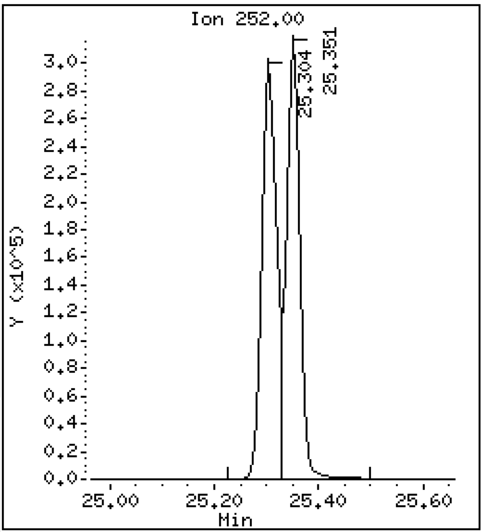
74 Benzo(b)fluoranthene Concentration: 4.893 ug/mL

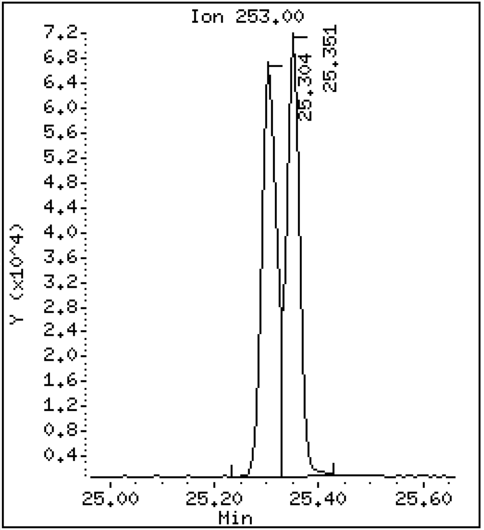

Scan 2644 (25.304 min) of NT1422123011.D

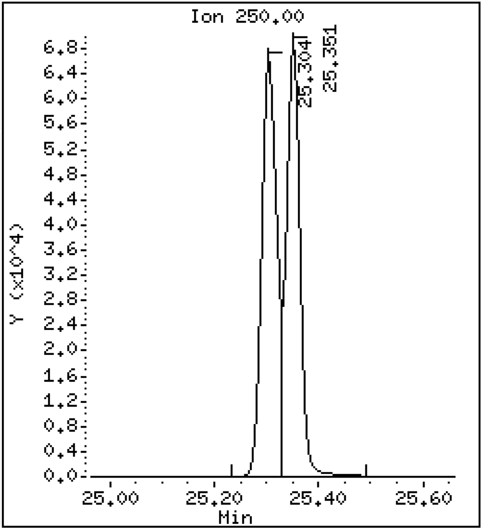

Scan 2644 (25.304 min) of NT1422123011.D (Subtracted)


74 Benzo(b)fluoranthene (Reference Spectrum)


Scan 2644 (25.304 min) of NT1422123011.D (% DIFFERENCE)


Ion 252.00


Ion 253.00


Ion 250.00

Data File: \\target\share\chem3\nt14.i\20221230.b\NT1422123011.D

Date : 30-DEC-2022 13:31

Client ID:

Instrument: nt14.i

Sample Info: SKL0355-SCV1

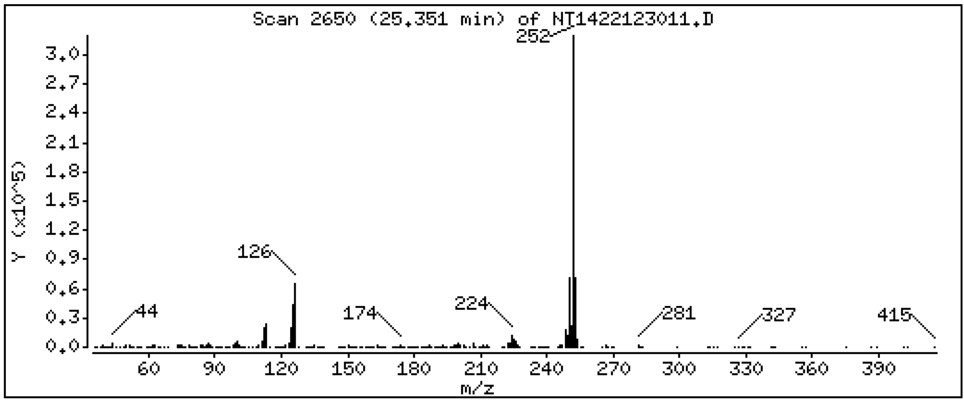
Operator: VTS

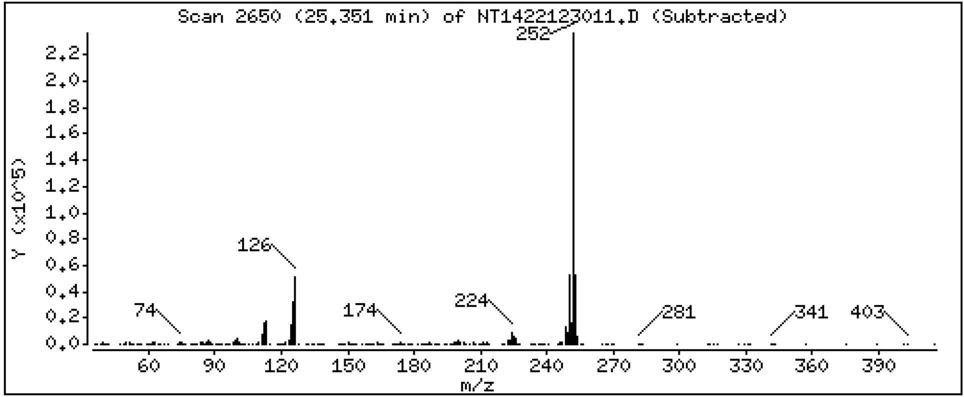
Column phase: ZB-5msi

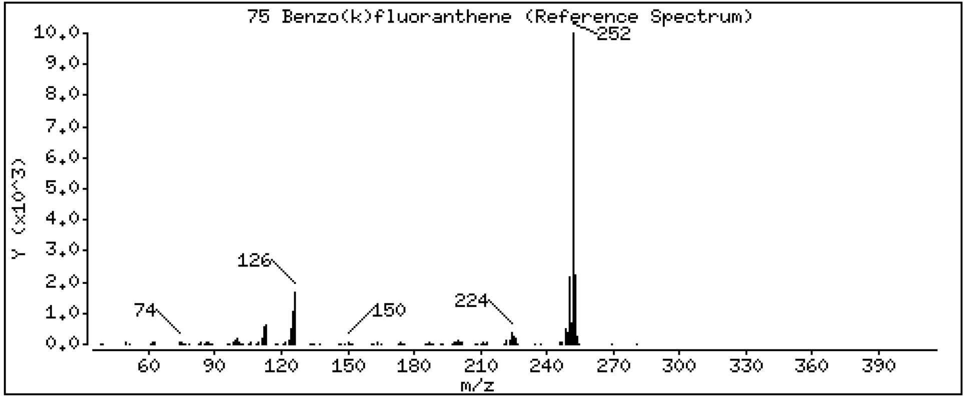
Column diameter: 0.25

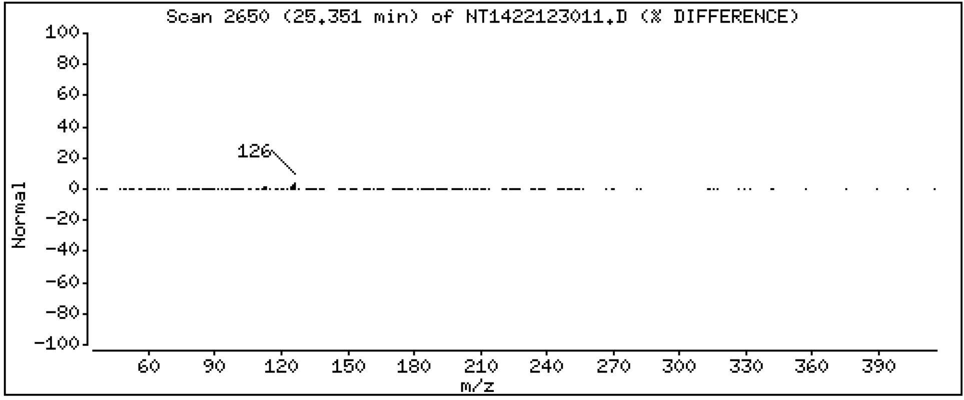
75 Benzo(k)fluoranthene

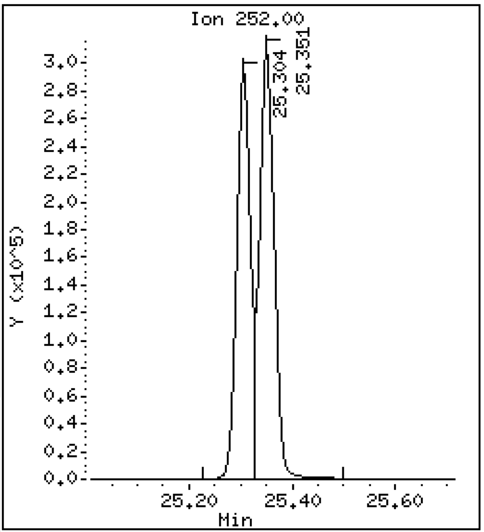
Concentration: 5.093 ug/mL


Scan 2650 (25.351 min) of NT1422123011.D


Scan 2650 (25.351 min) of NT1422123011.D (Subtracted)


75 Benzo(k)fluoranthene (Reference Spectrum)


Scan 2650 (25.351 min) of NT1422123011.D (% DIFFERENCE)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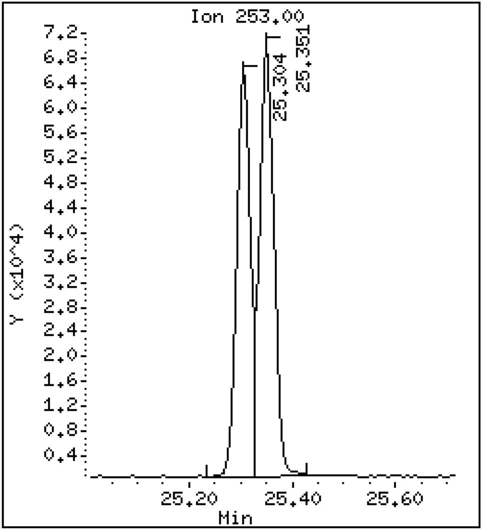
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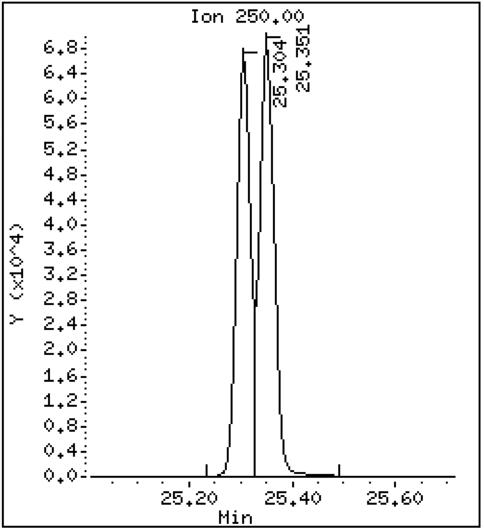

Ion 250.00

Data File: \\target\share\chem3\nt14.i\20221230.b\NT1422123011.D

Date : 30-DEC-2022 13:31

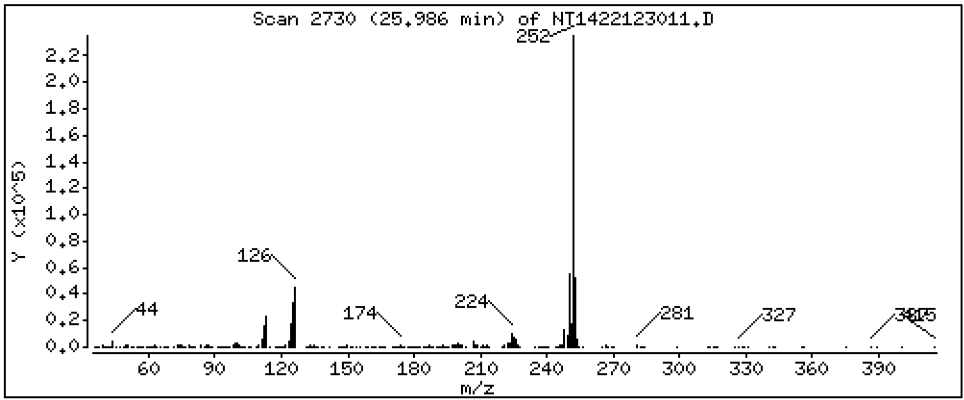
Client ID: Instrument: nt14.i

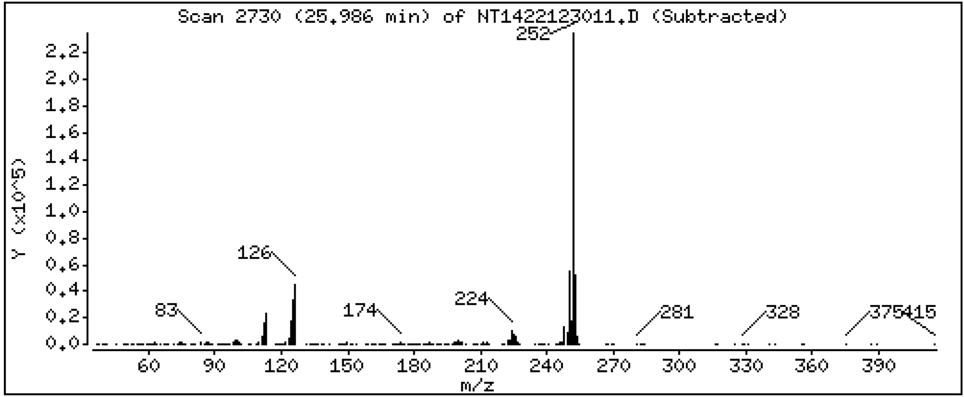
Sample Info: SKL0355-SCV1

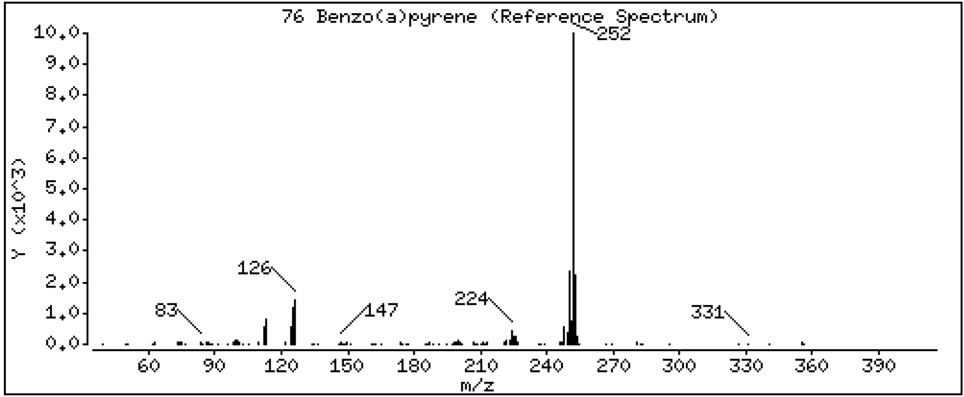
Operator: VTS

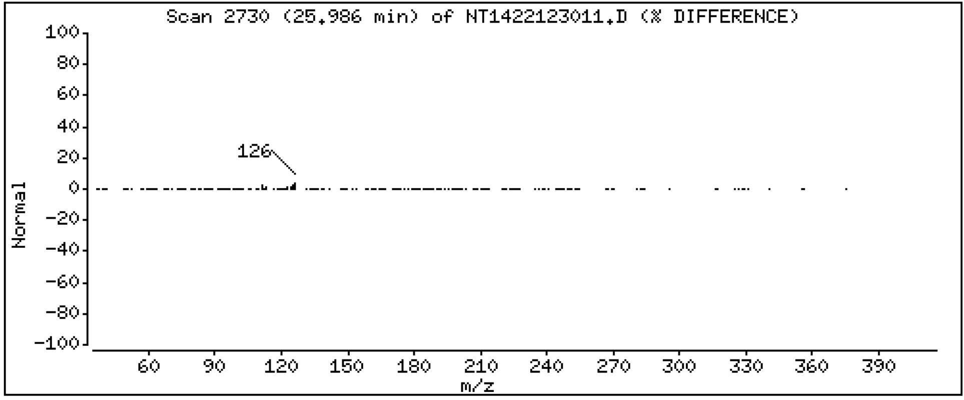
Column phase: ZB-5msi Column diameter: 0.25

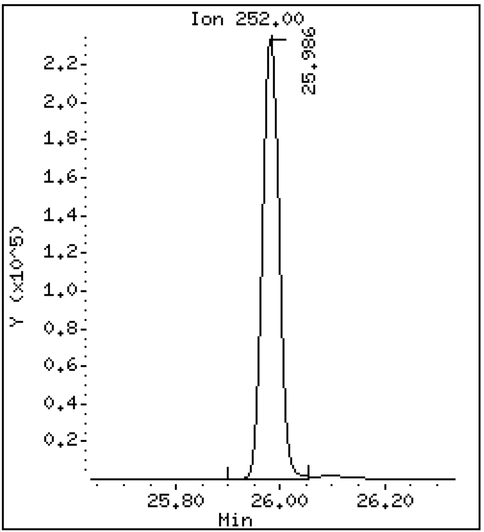
76 Benzo(a)pyrene Concentration: 5.092 ug/mL


Scan 2730 (25.986 min) of NT1422123011.D


Scan 2730 (25.986 min) of NT1422123011.D (Subtracted)


76 Benzo(a)pyrene (Reference Spectrum)


Scan 2730 (25.986 min) of NT1422123011.D (% DIFFERENCE)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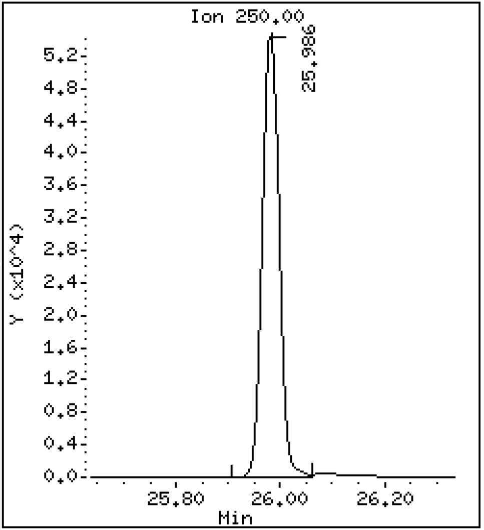
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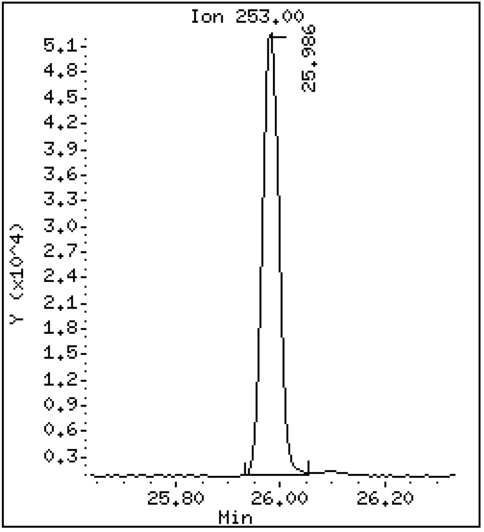

Ion 253.00

Data File: \\target\share\chem3\nt14.i\20221230.b\NT1422123011.D

Date : 30-DEC-2022 13:31

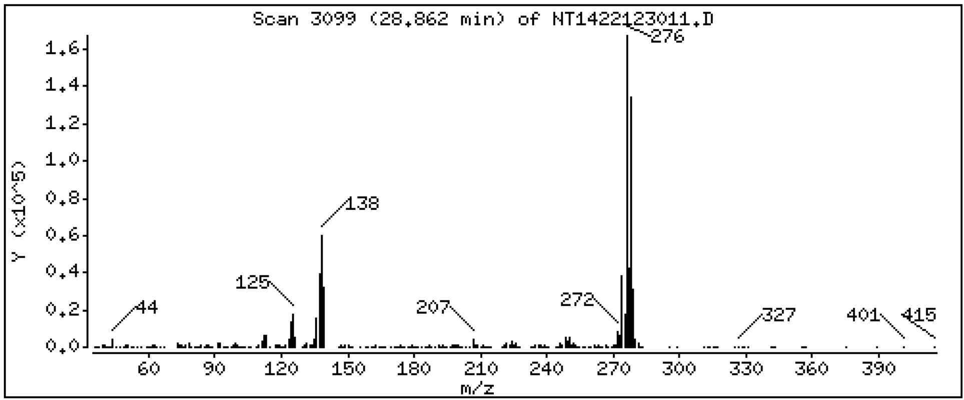
Client ID: Instrument: nt14.i

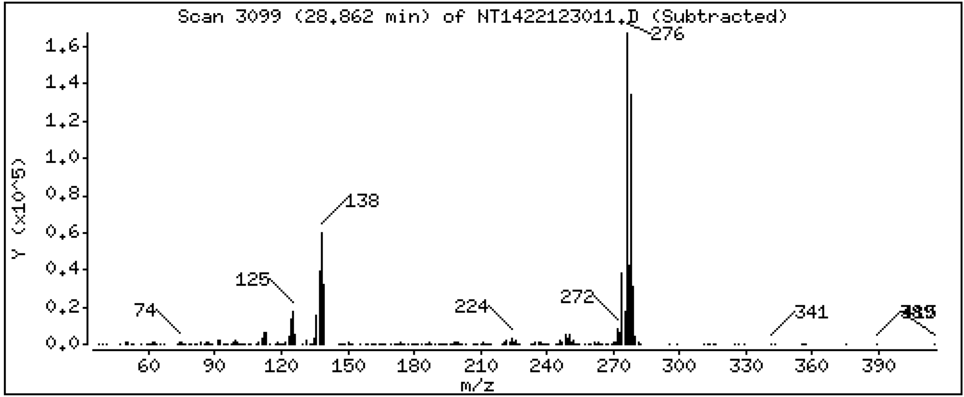
Sample Info: SKL0355-SCV1

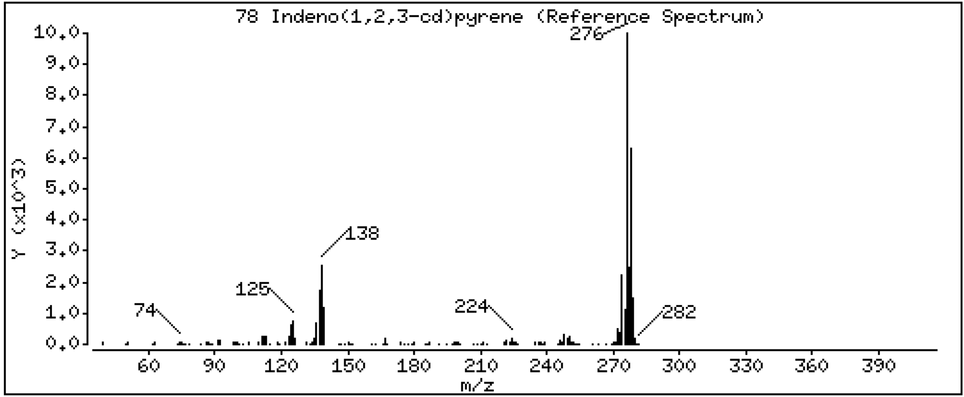
Operator: VTS

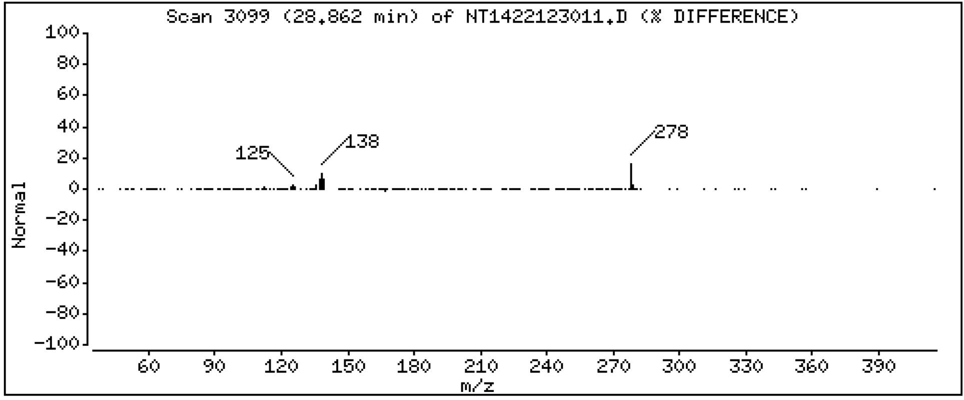
Column phase: ZB-5msi Column diameter: 0.25

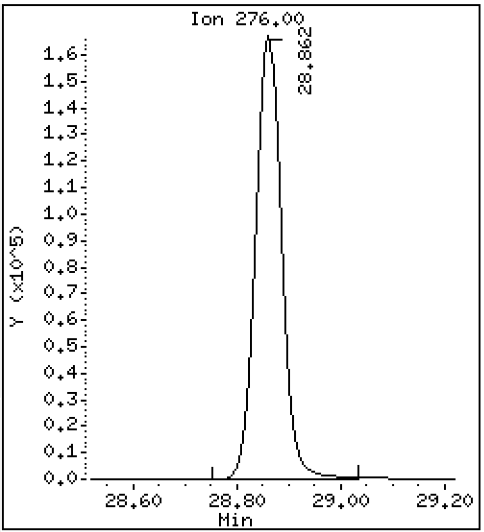
78 Indeno(1,2,3-cd)pyrene Concentration: 5.128 ug/mL

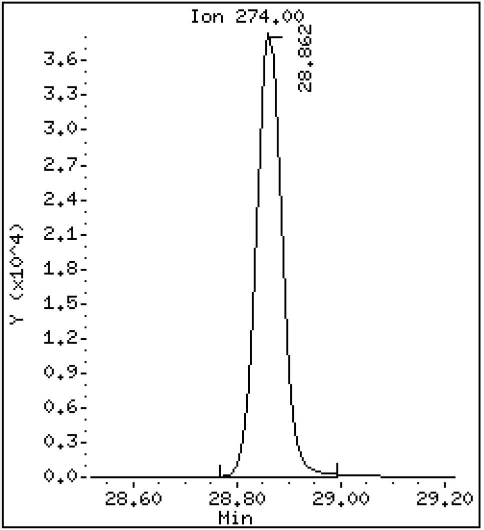

Scan 3099 (28.862 min) of NT1422123011.D

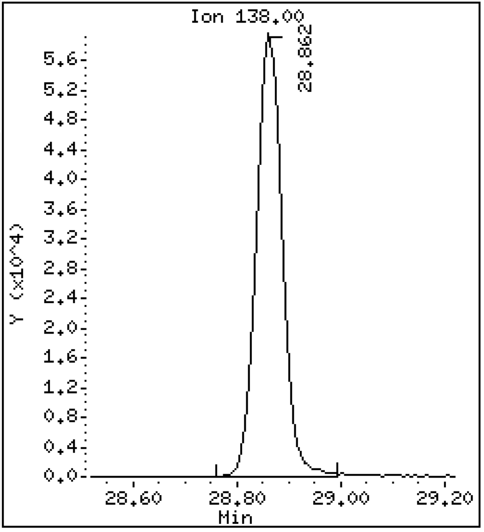

Scan 3099 (28.862 min) of NT1422123011.D (Subtracted)


78 Indeno(1,2,3-cd)pyrene (Reference Spectrum)


Scan 3099 (28.862 min) of NT1422123011.D (% DIFFERENCE)


Ion 276.00


Ion 274.00


Ion 138.00

Date : 30-DEC-2022 13:31

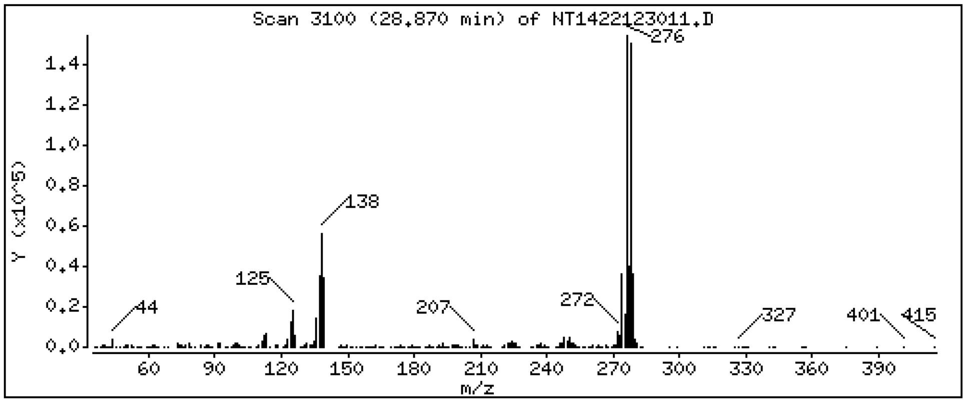
Client ID: Instrument: nt14.i

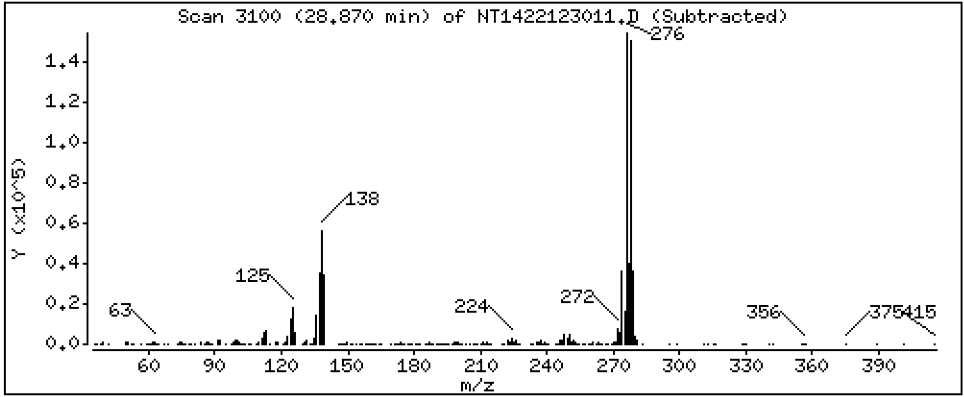
Sample Info: SKL0355-SCV1

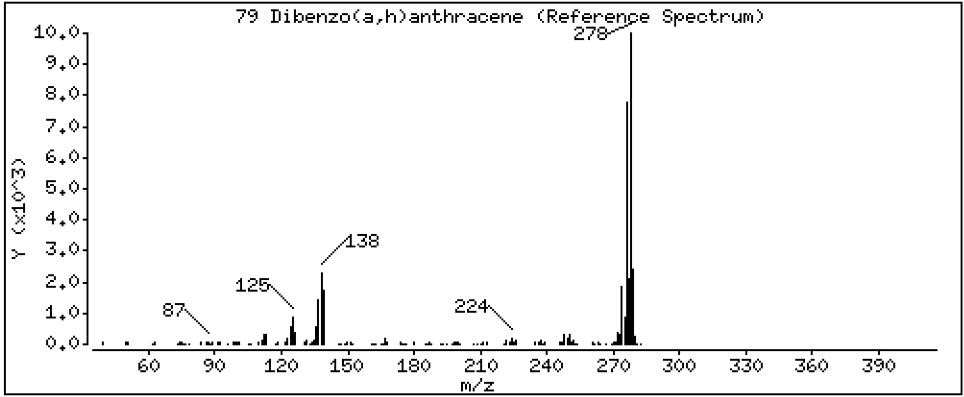
Operator: VTS

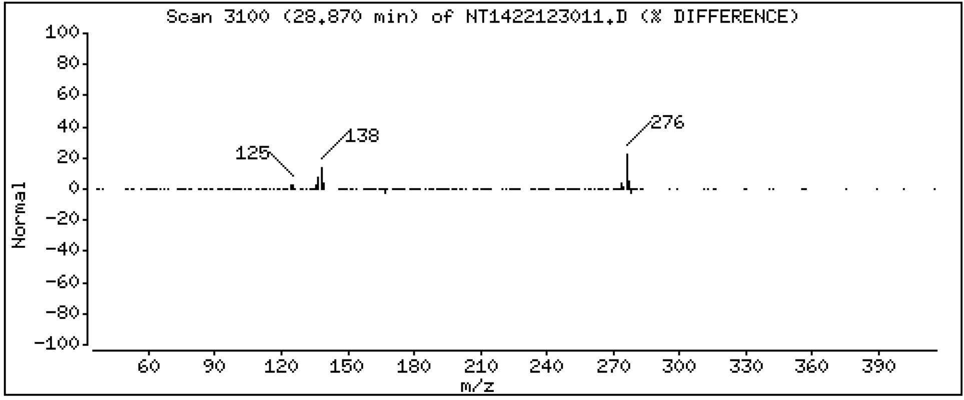
Column phase: ZB-5msi Column diameter: 0.25

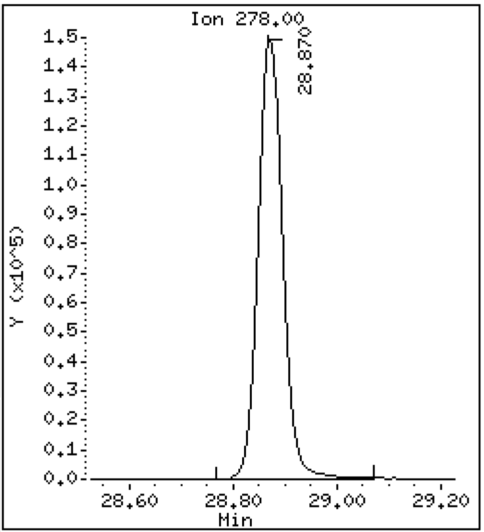
79 Dibenzo(a,h)anthracene Concentration: 5.087 ug/mL

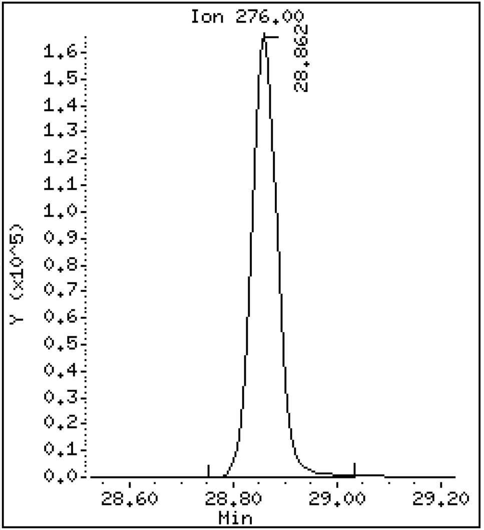


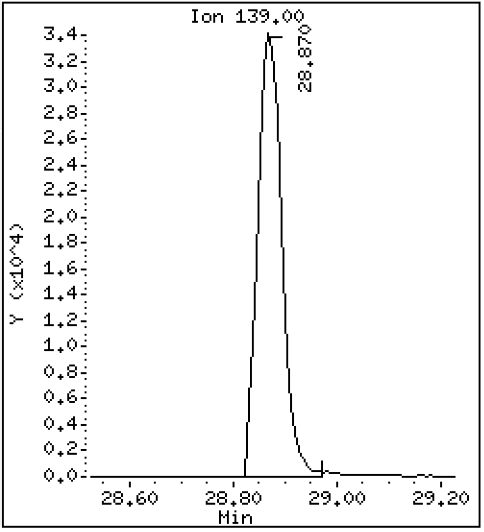












Data File: \\target\share\chem3\nt14.i\20221230.b\NT1422123011.D

Date : 30-DEC-2022 13:31

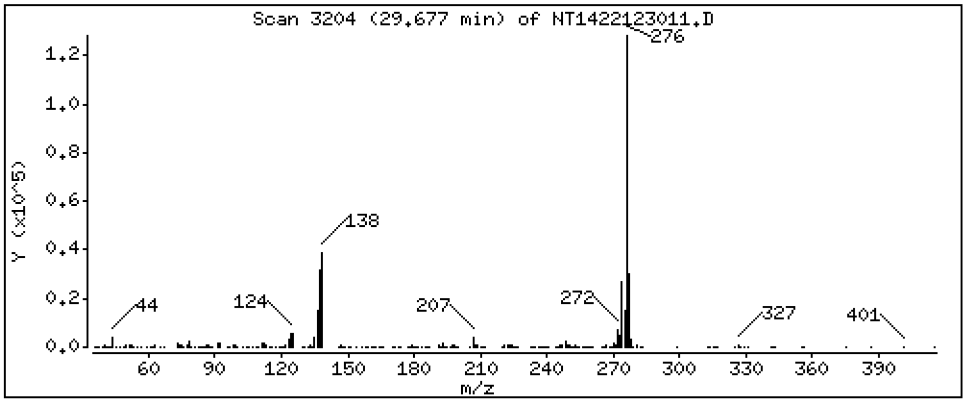
Client ID: Instrument: nt14.i

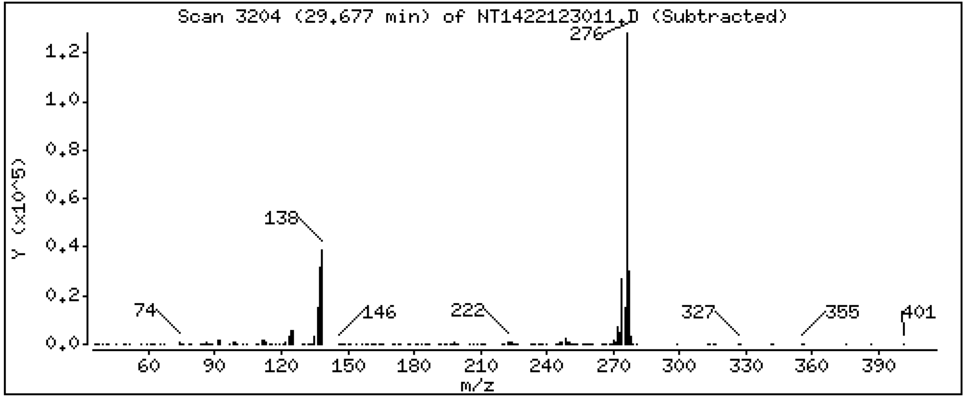
Sample Info: SKL0355-SCV1

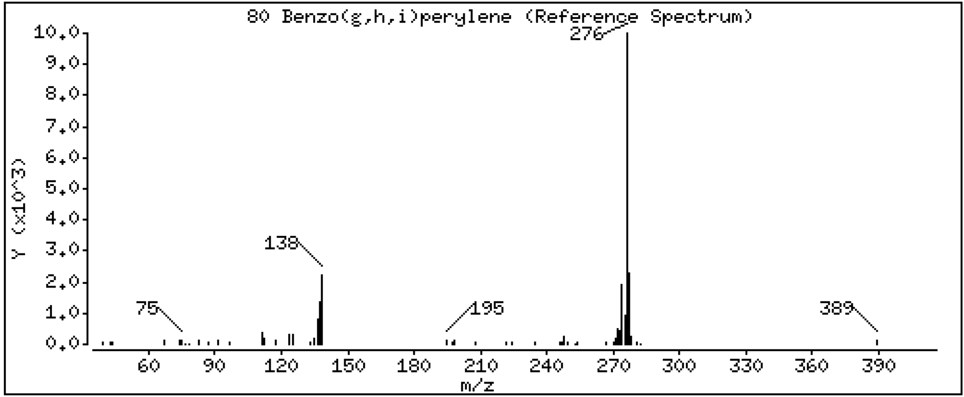
Operator: VTS

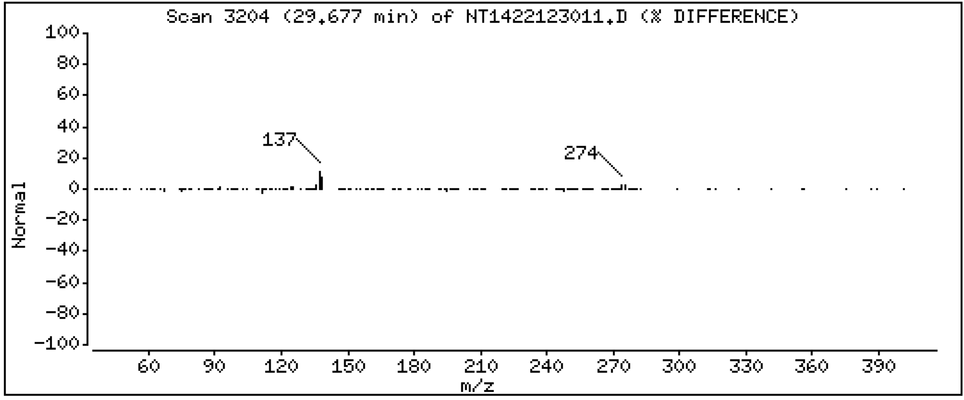
Column phase: ZB-5msi Column diameter: 0.25

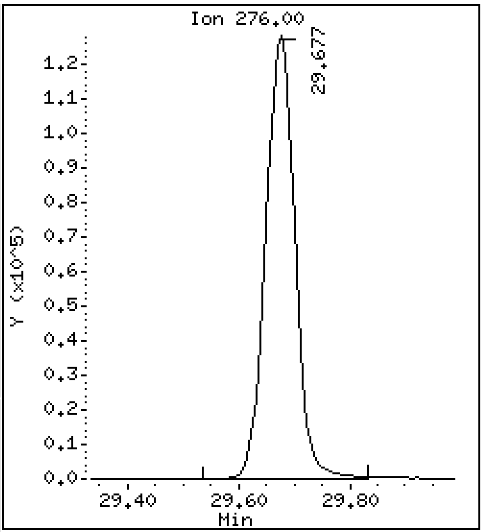
80 Benzo(g,h,i)perylene Concentration: 5.037 ug/mL

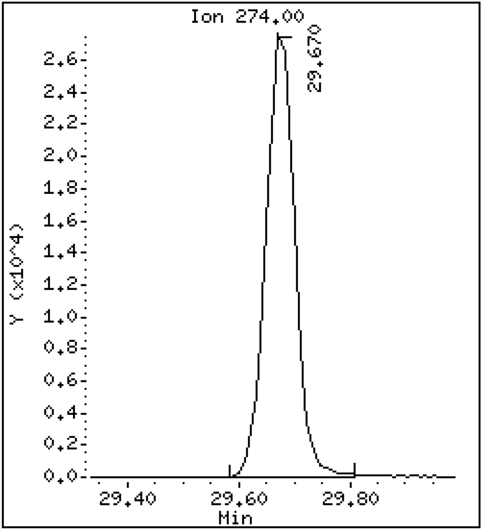

Scan 3204 (29.677 min) of NT1422123011.D


Scan 3204 (29.677 min) of NT1422123011.D (Subtracted)


80 Benzo(g,h,i)perylene (Reference Spectrum)


Scan 3204 (29.677 min) of NT1422123011.D (% DIFFERENCE)


Ion 276.00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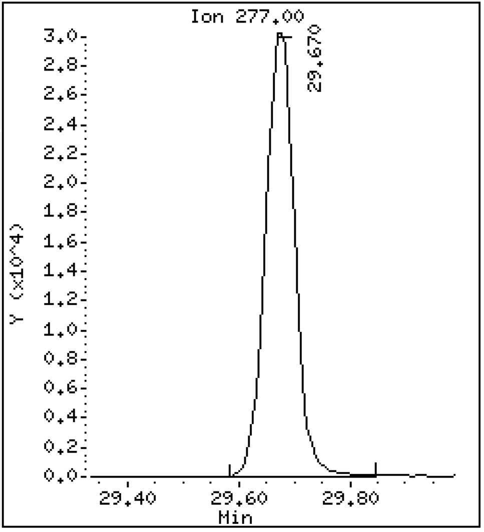

Ion 277.00

Data File: \\target\share\chem3\nt14.i\20221230.b\NT1422123011.D

Date : 30-DEC-2022 13:31

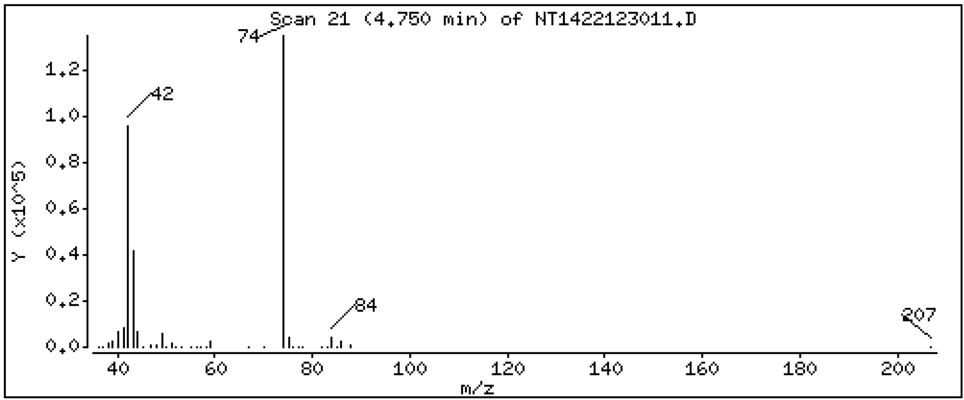
Client ID: Instrument: nt14.i

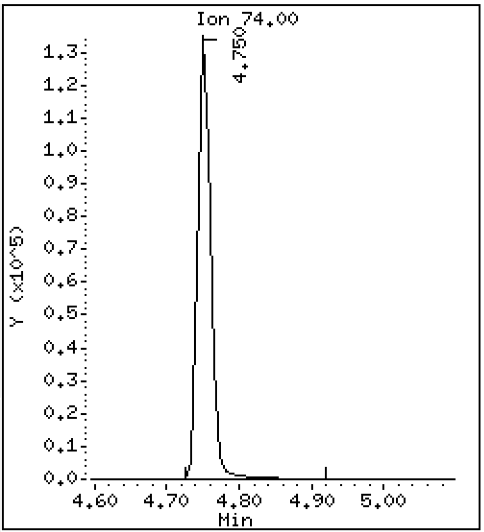
Sample Info: SKL0355-SCV1

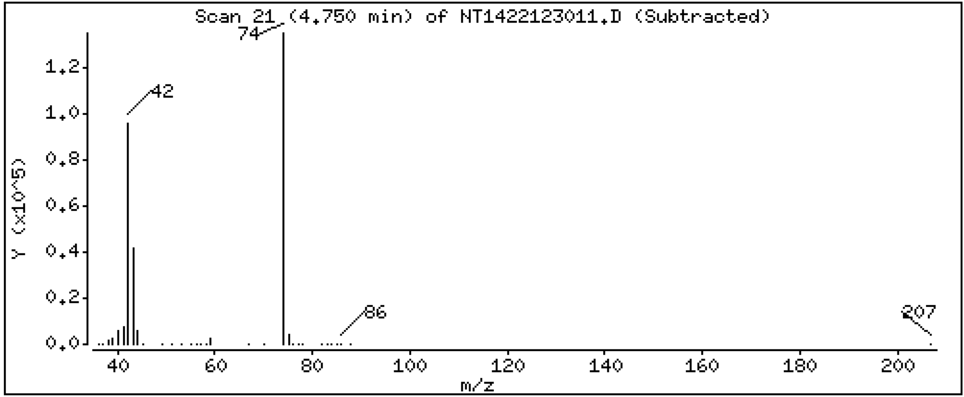
Operator: VTS

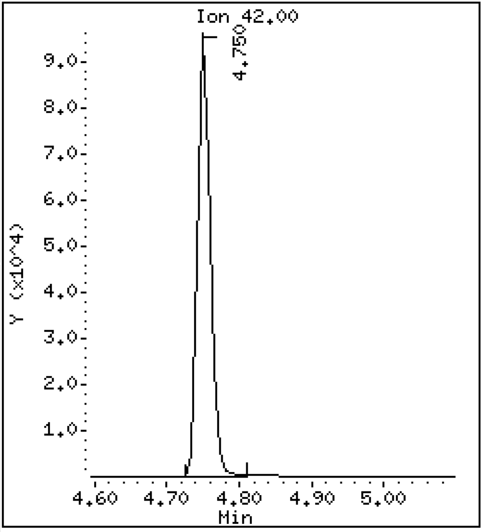
Column phase: ZB-5msi Column diameter: 0.25

90 N-Nitrosodimethylamine Concentration: 5.154 ug/mL


Scan 21 (4.750 min) of NT1422123011.D


Ion 74.00


Scan 21 (4.750 min) of NT1422123011.D (Subtracted)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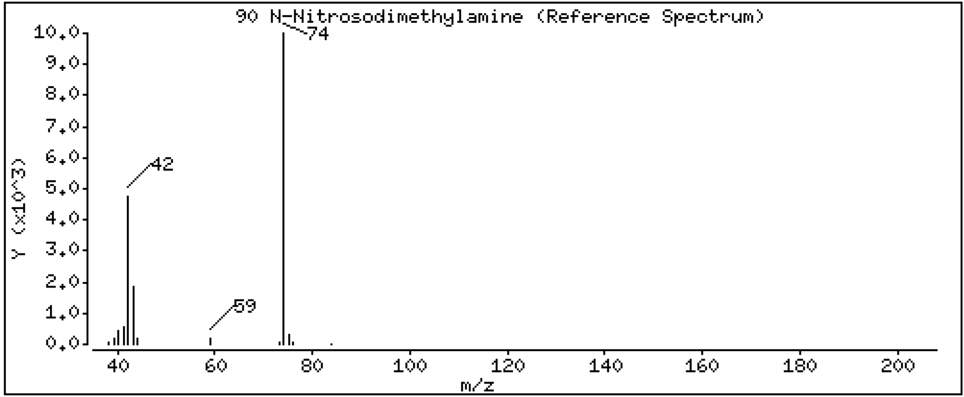
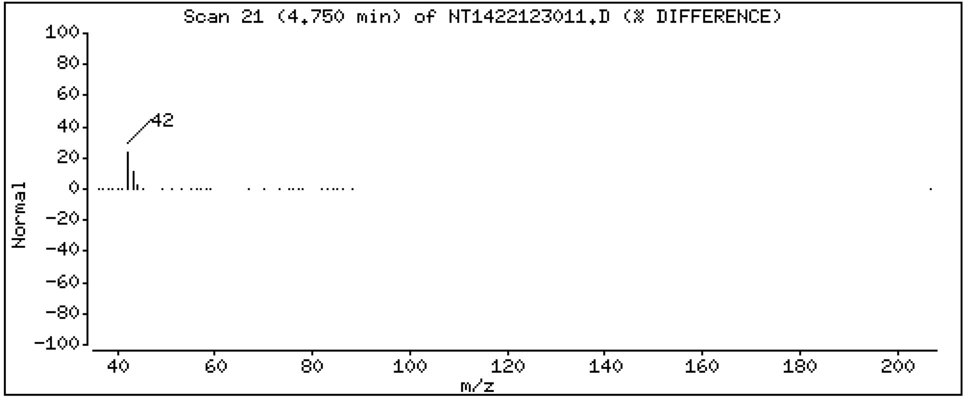

90 N-Nitrosodimethylamine (Reference Spectrum)


Scan 21 (4.750 min) of NT1422123011.D (% DIFFERENCE)

Data File: \\target\share\chem3\nt14.i\20221230.b\NT1422123011.D

Date : 30-DEC-2022 13:31

Client ID:

Instrument: nt14.i

Sample Info: SKL0355-SCV1

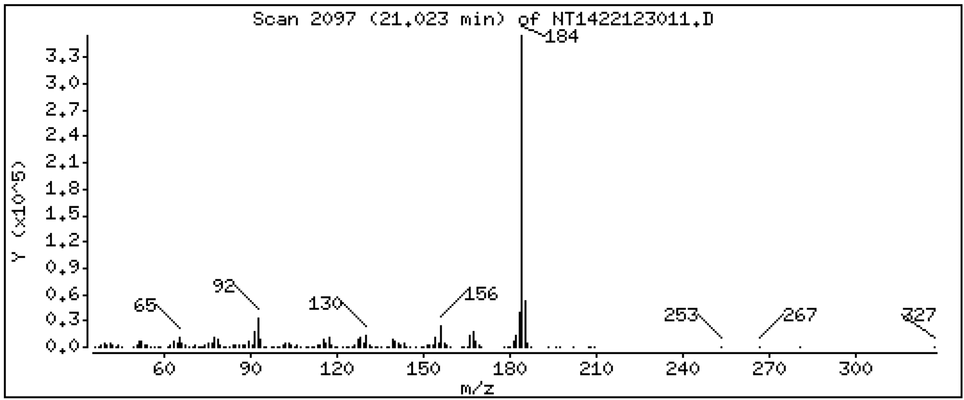
Operator: VTS

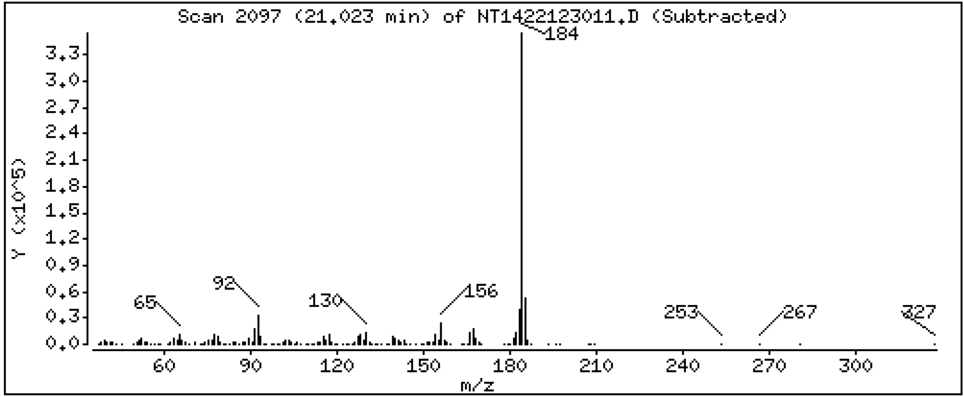
Column phase: ZB-5msi

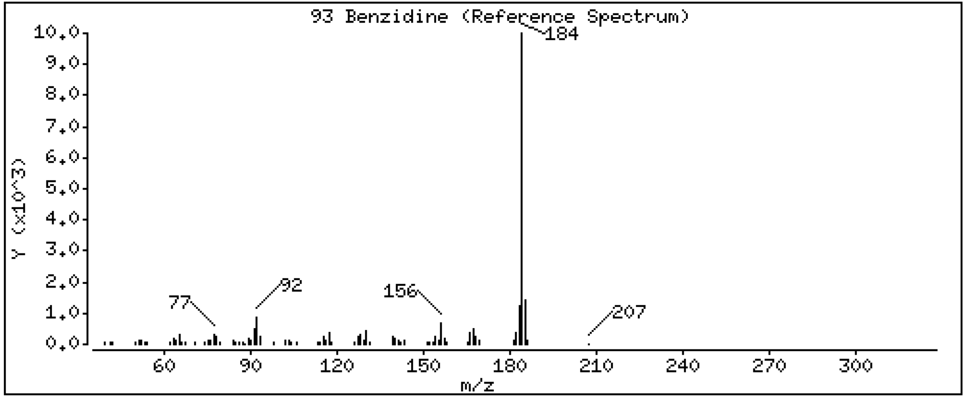
Column diameter: 0.25

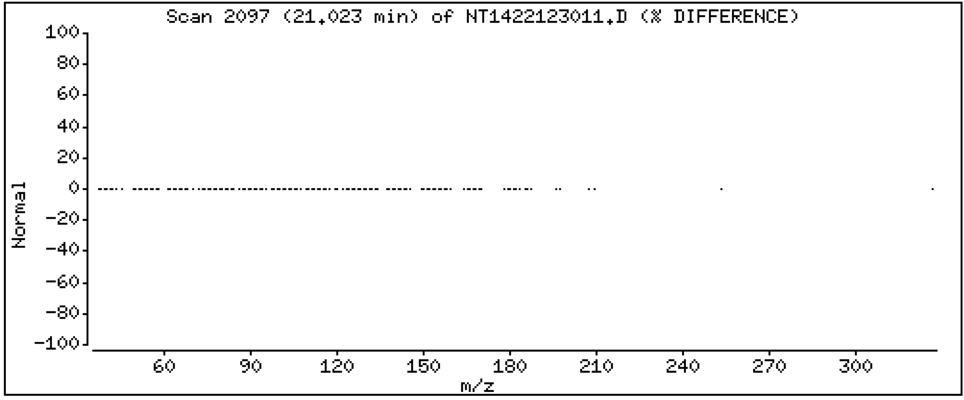
93 Benzidine

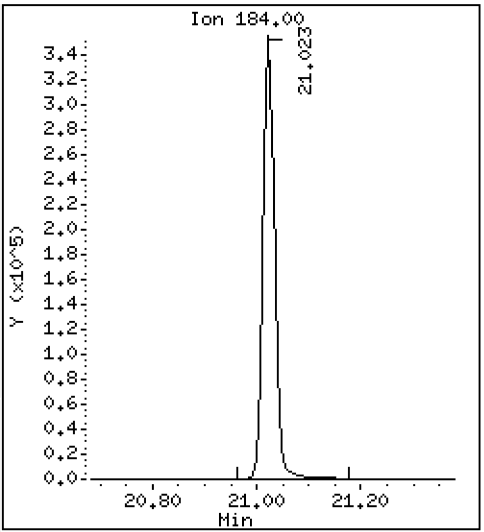
Concentration: 9.704 ug/mL

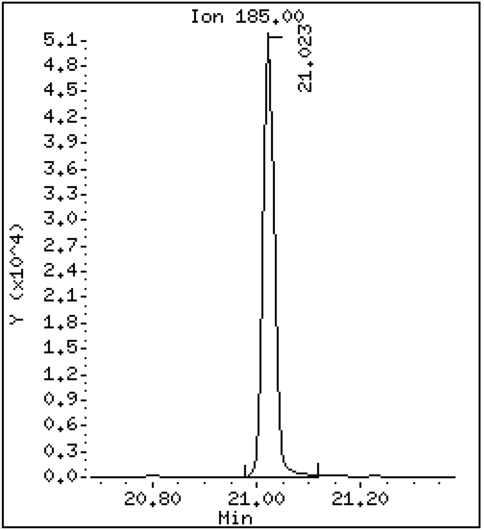

Scan 2097 (21.023 min) of NT1422123011.D


Scan 2097 (21.023 min) of NT1422123011.D (Subtracted)


93 Benzidine (Reference Spectrum)


Scan 2097 (21.023 min) of NT1422123011.D (% DIFFERENCE)


Ion 184.00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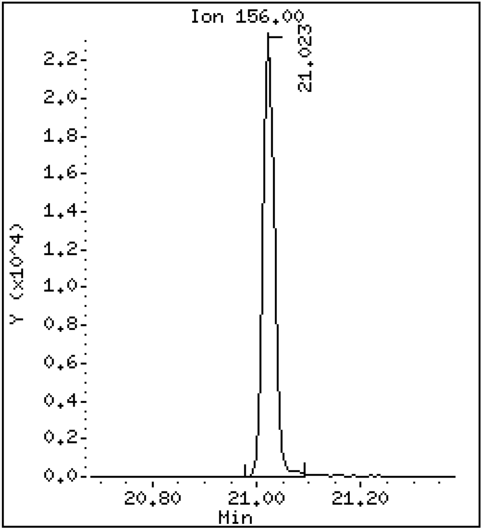

Ion 156.00

Date : 30-DEC-2022 13:31

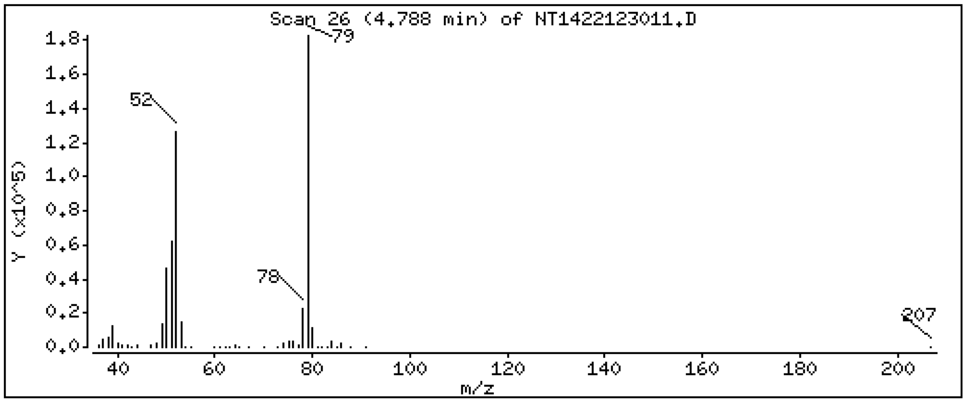
Client ID: Instrument: nt14.i

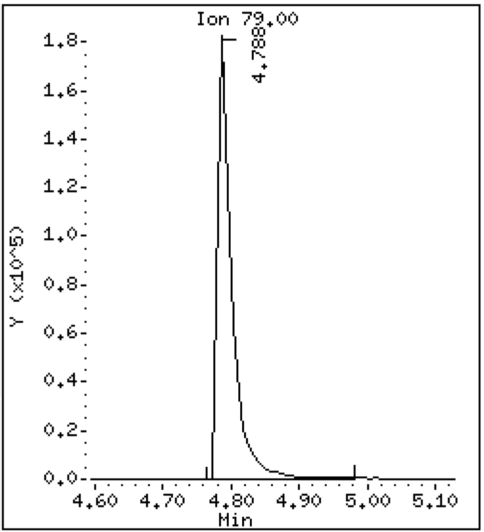
Sample Info: SKL0355-SCV1

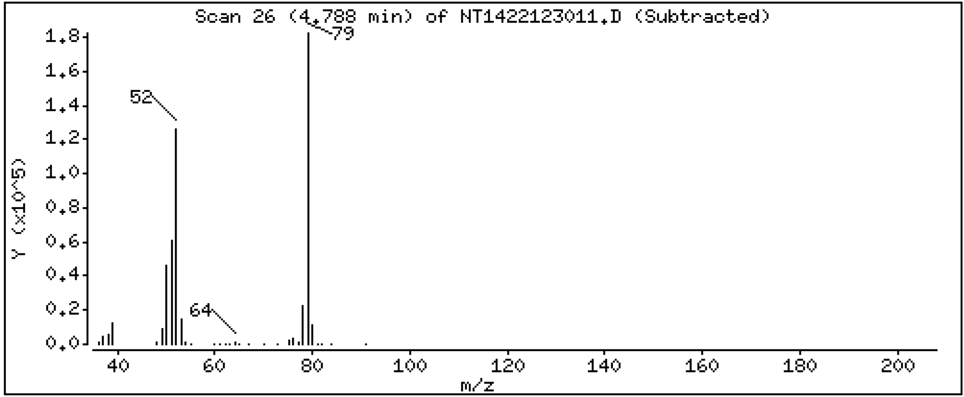
Operator: VTS

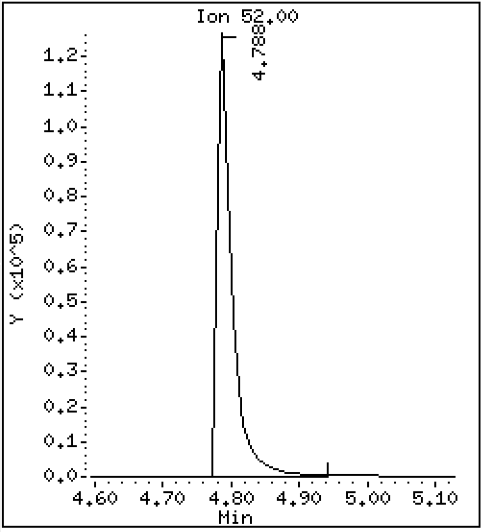
Column phase: ZB-5msi Column diameter: 0.25

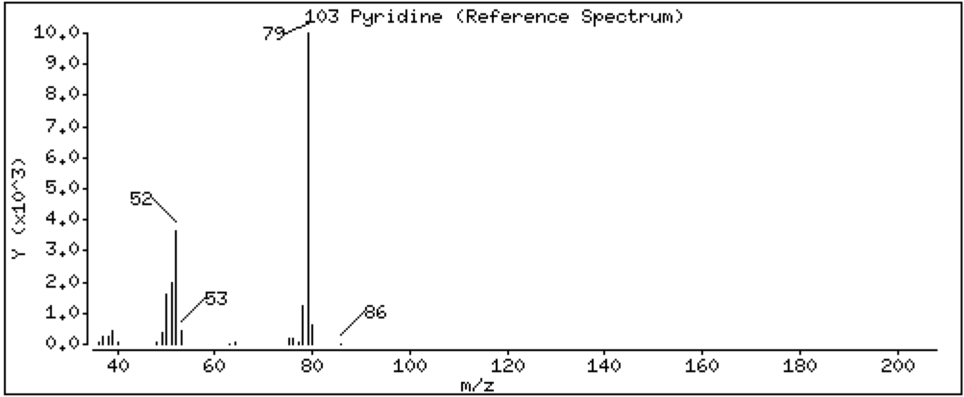
103 Pyridine Concentration: 2.681 ug/mL

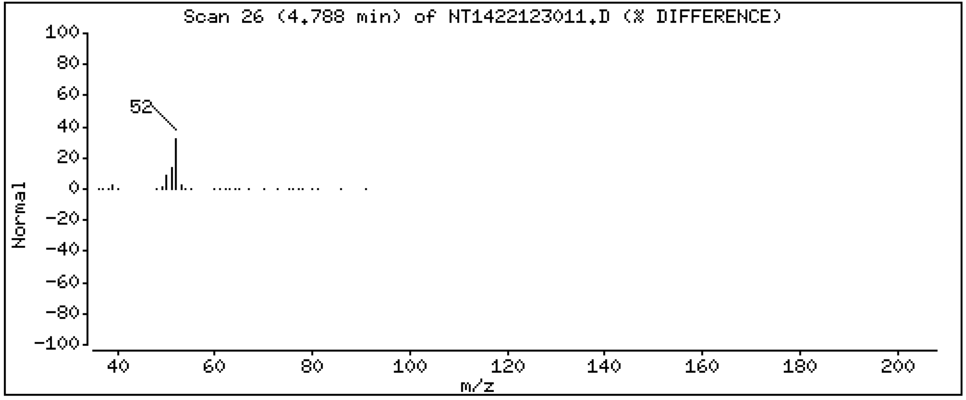












Data File: \\target\share\chem3\nt14.i\20221230.b\NT1422123011.D

Date : 30-DEC-2022 13:31

Client ID:

Instrument: nt14.i

Sample Info: SKL0355-SCV1

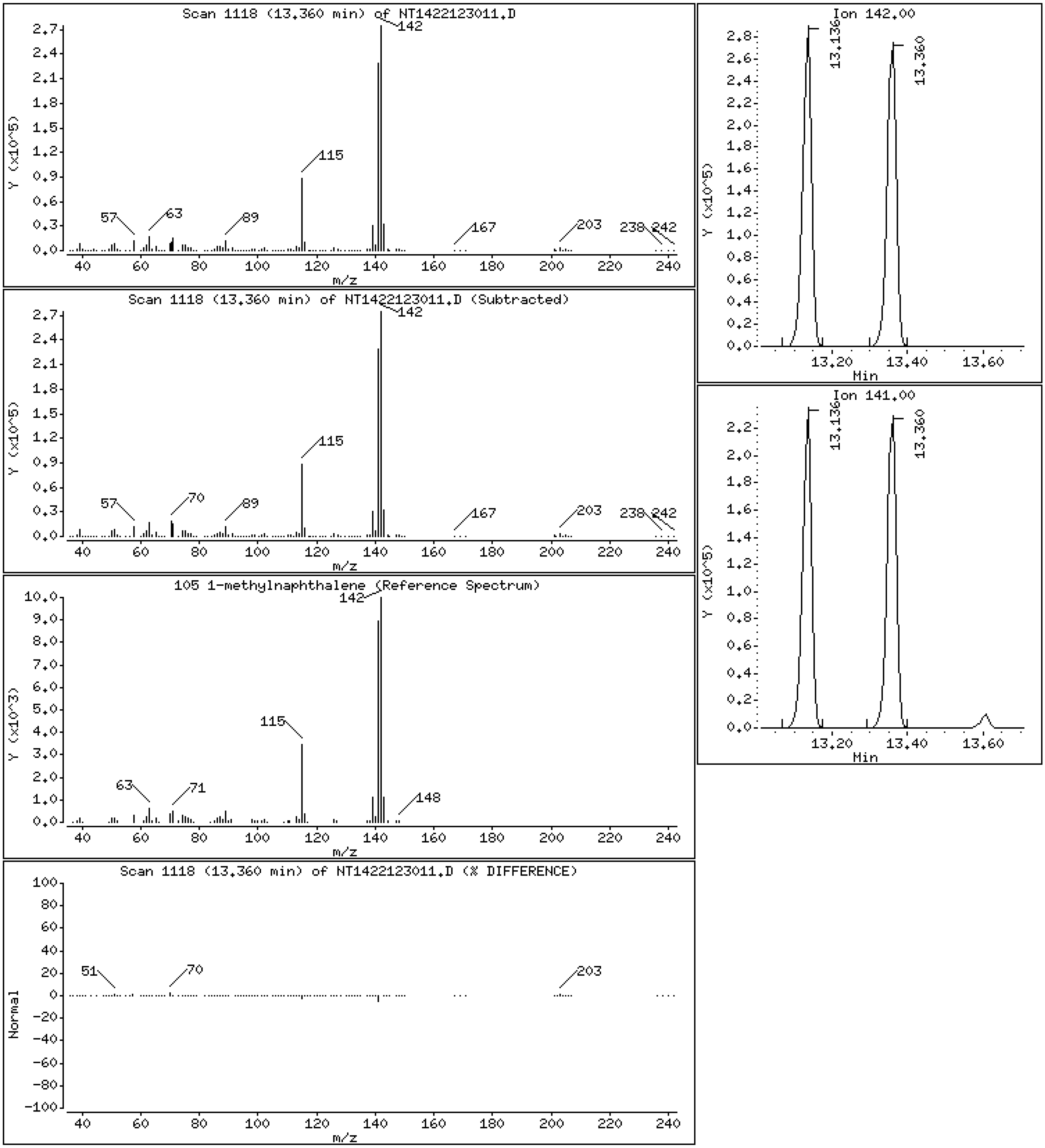
Operator: VTS

Column phase: ZB-5msi

Column diameter: 0.25

105 1-methylnaphthalene

Concentration: 4.671 ug/mL



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Date : 30-DEC-2022 13:31

Client ID:

Instrument: nt14.i

Sample Info: SKL0355-SCV1

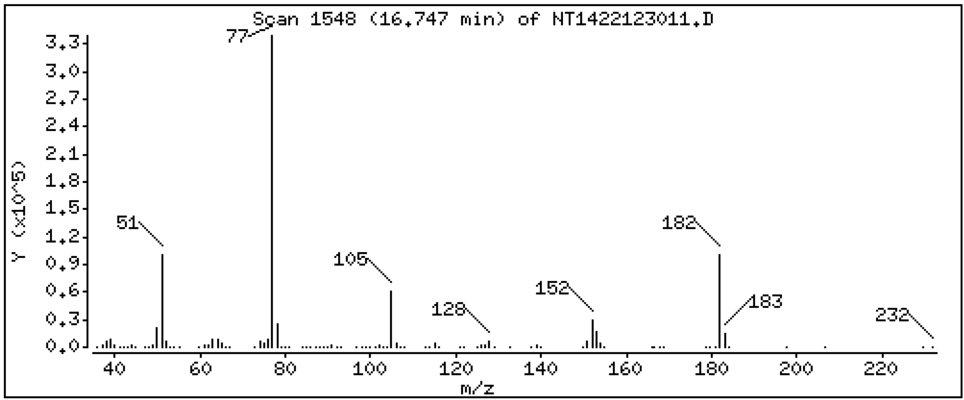
Operator: VTS

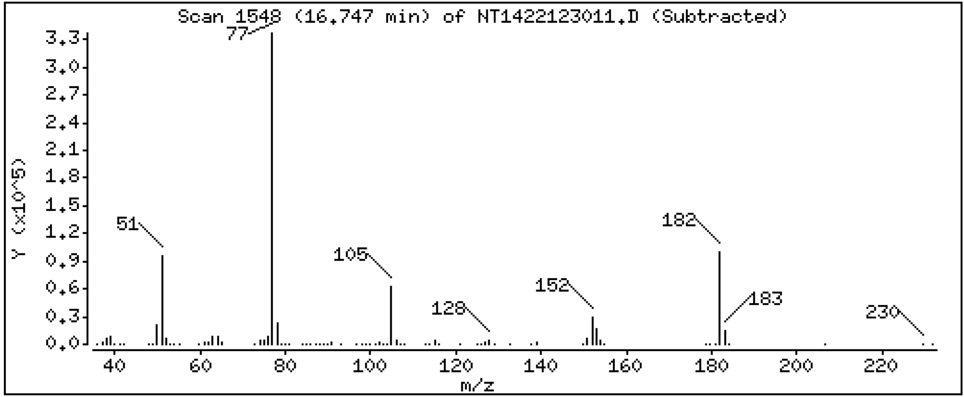
Column phase: ZB-5msi

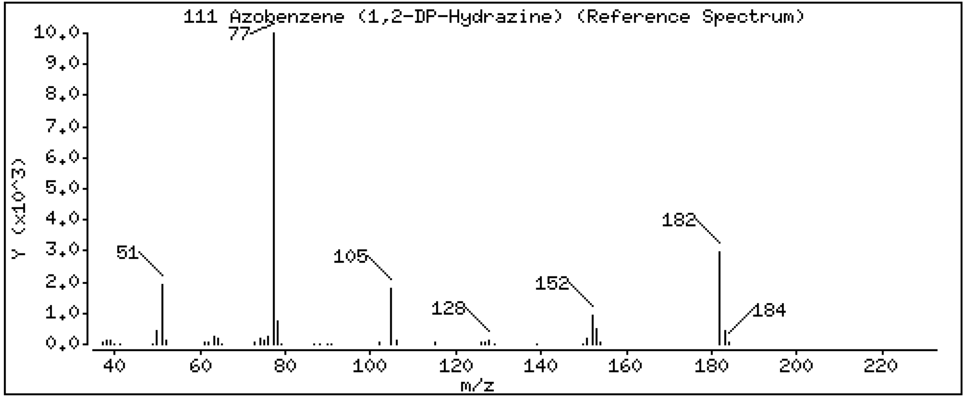
Column diameter: 0.25

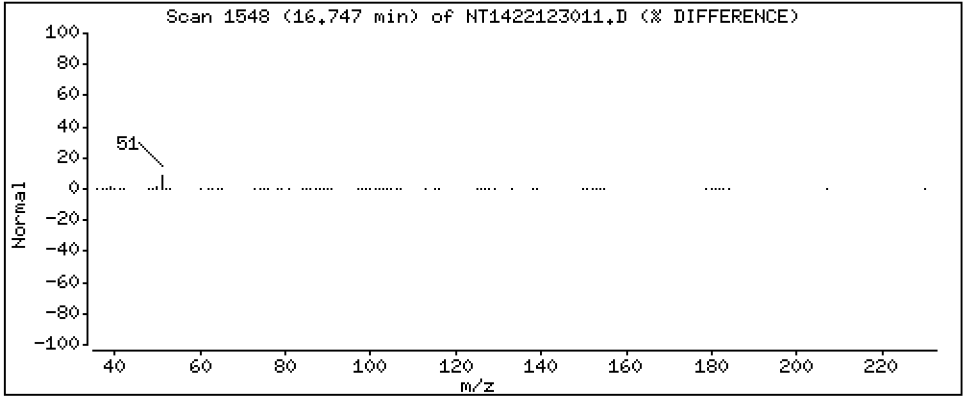
111 Azobenzene (1,2-DP-Hydrazine)

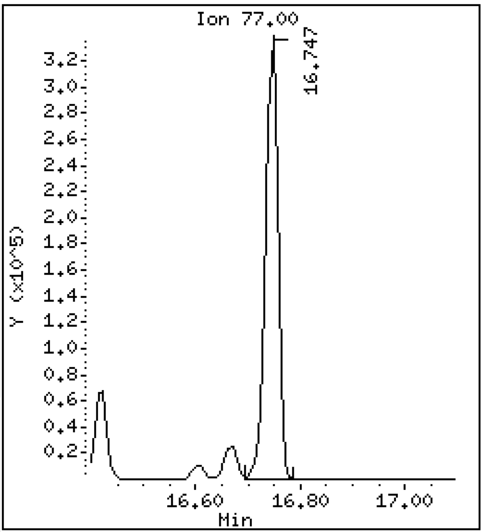
Concentration: 4.893 ug/mL

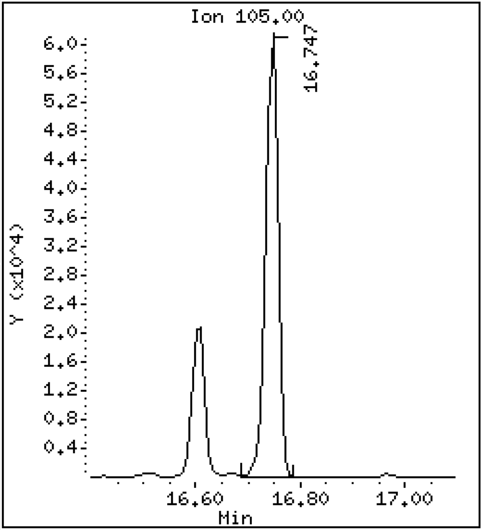


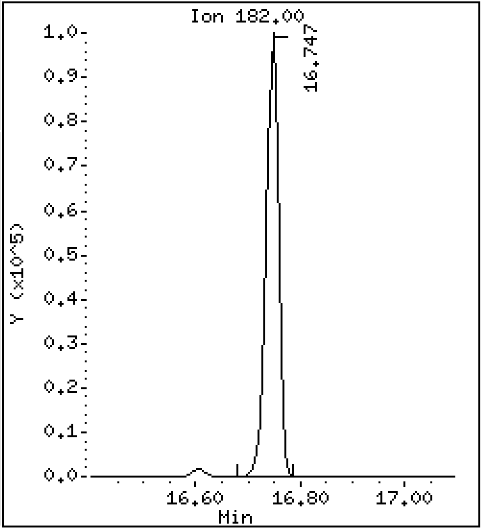












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Date : 30-DEC-2022 13:31

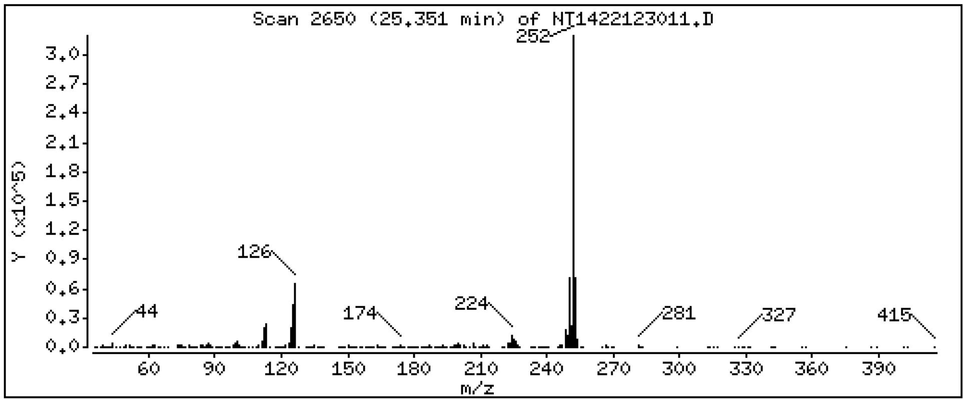
Client ID: Instrument: nt14.i

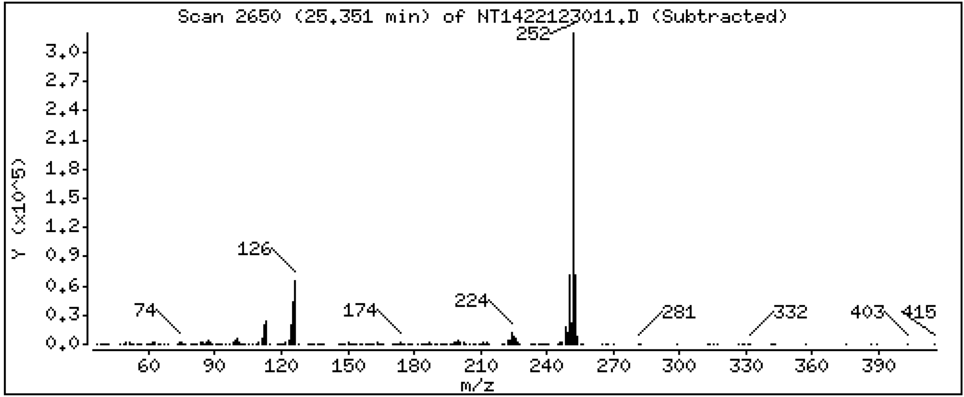
Sample Info: SKL0355-SCV1

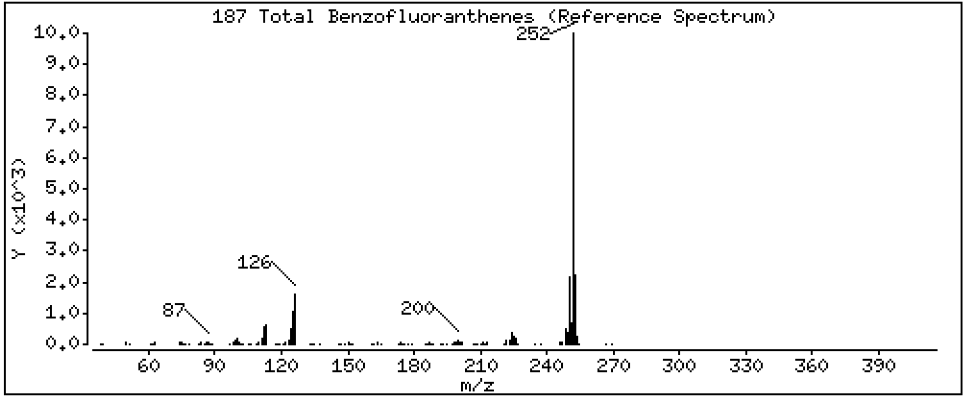
Operator: VTS

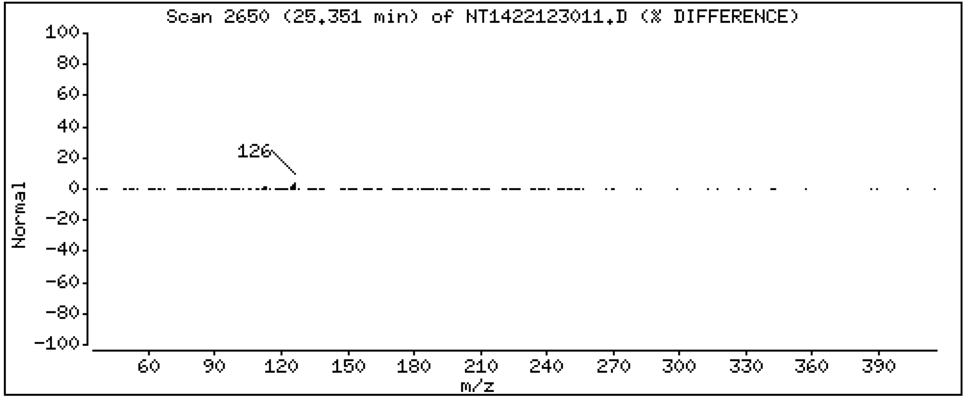
Column phase: ZB-5msi Column diameter: 0.25

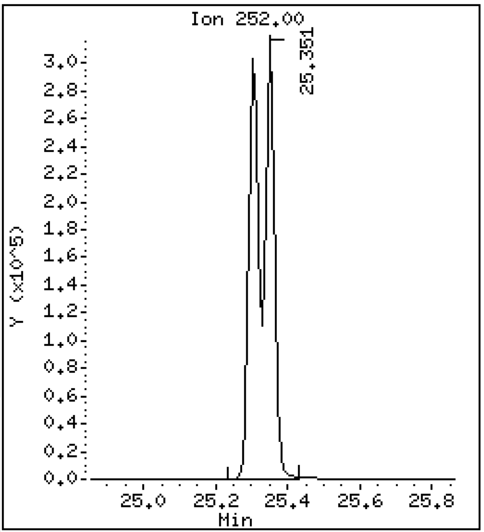
187 Total Benzofluoranthenes Concentration: 9.972 ug/mL

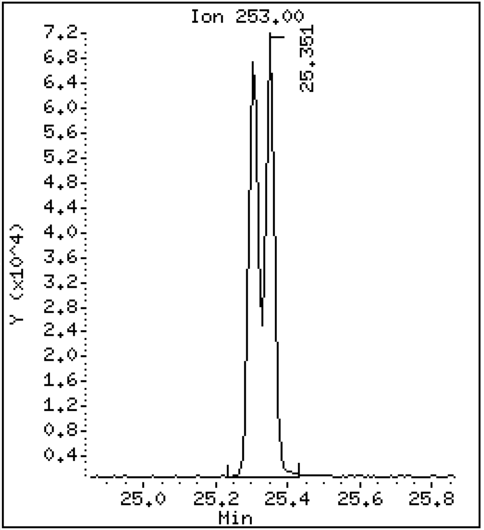


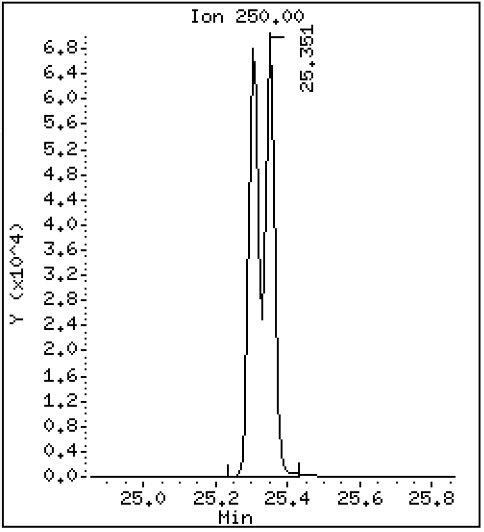












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Date : 30-DEC-2022 13:31

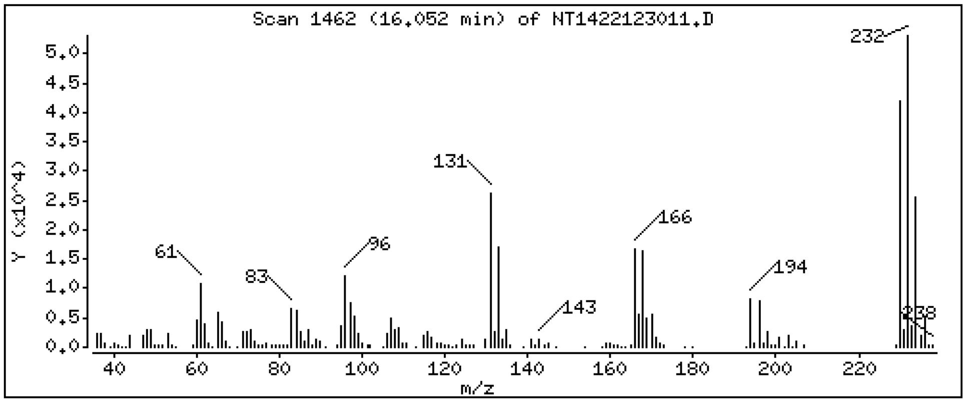
Client ID: Instrument: nt14.i

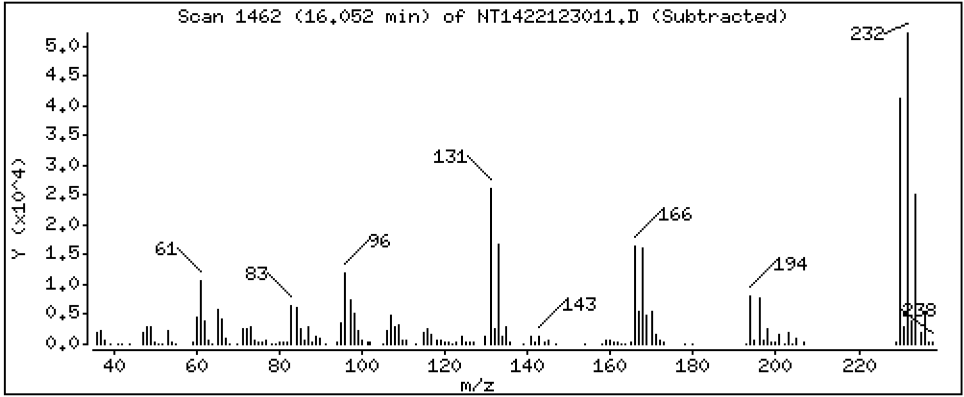
Sample Info: SKL0355-SCV1

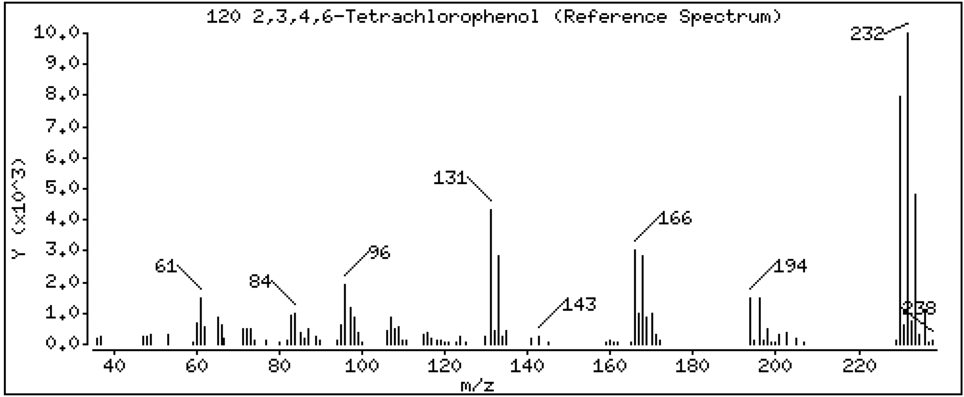
Operator: VTS

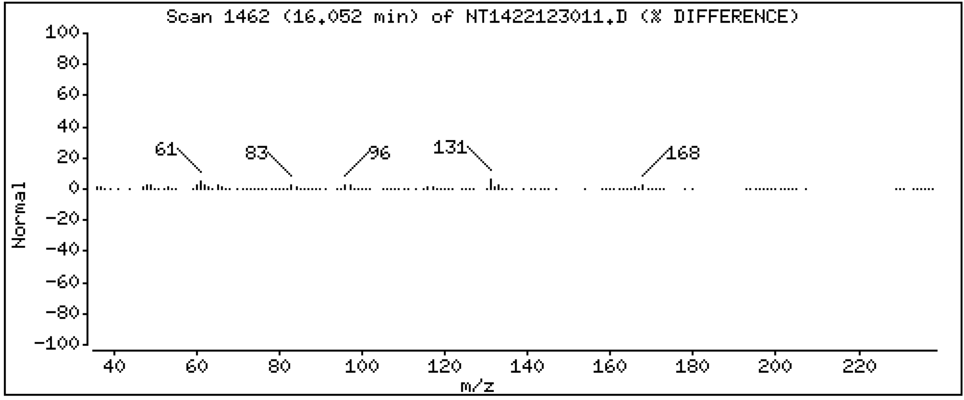
Column phase: ZB-5msi Column diameter: 0.25

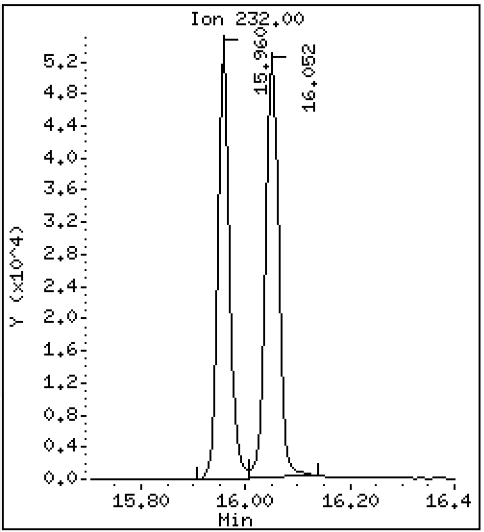
120 2,3,4,6-Tetrachlorophenol Concentration: 4.079 ug/mL

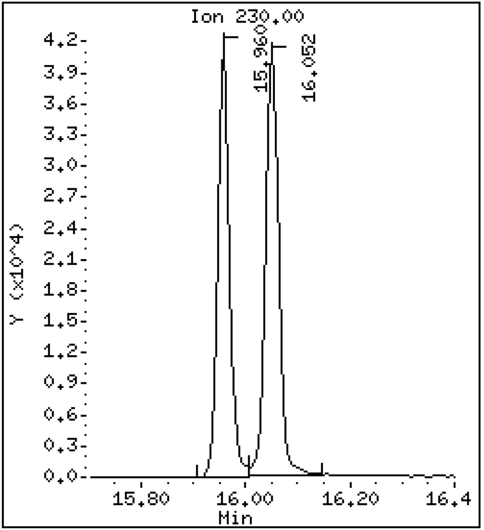


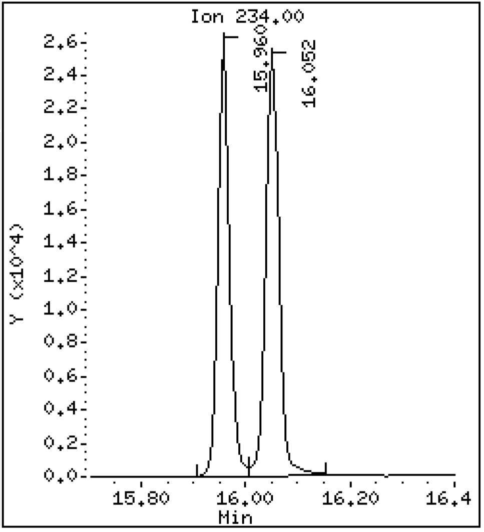












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                              ARI Labs, Inc.

                    Semivolatile Report SW846 Method 8270D
Data file : \\target\share\chem3\nt14.i\20221230.b\NT1422123011.D
Lab Smp Id: SKL0355-ICV1
Inj Date  : 30-DEC-2022 13:31            MS Autotune Date: 17-MAY-2011 01:22
Operator  : VTS                          Inst ID: nt14.i
Smp Info  : SKL0355-SCV1
Misc Info :
Comment   : 1ul Injection
Method    : \\target\share\chem3\nt14.i\20221230.b\ABN.m
Meth Date : 04-Jan-2023 08:09 van        Quant Type: ISTD
Cal Date  : 30-DEC-2022 11:07            Cal File: NT1422123007.D
Als bottle: 11
Dil Factor: 1.00000
Integrator: HP RTE                       Compound Sublist: ICAL.sub
Target Version:  4.14
Processing Host: VANS-201906


                                                                                       CONCENTRATIONS
                                       QUANT SIG                                      ON-COLUMN   FINAL
Compounds                               MASS          RT   EXP RT  REL RT  RESPONSE    (ug/mL)    (ug/mL)
==========================              ====        ==== ======== ======== ========    =======    =======
$   1 2-Fluorophenol                    112        6.935    6.934 (0.755)     340542    7.31681      7.317
$   2 Phenol-d5                          99        8.526    8.526 (0.928)     425409    7.39610      7.396
    3 Phenol                             94        8.550    8.549 (0.931)     284374    4.35110      4.351
$   5 2-Chlorophenol-d4                 132        8.812    8.820 (0.960)     353505    7.31802      7.318
    4 Bis(2-Chloroethyl)ether            93        8.720    8.719 (0.949)     229408    5.09546      5.095
    6 2-Chlorophenol                    128        8.843    8.843 (0.963)     236672    4.46115      4.461
    7 1,3-Dichlorobenzene               146        9.122    9.121 (0.993)     267449    4.75416      4.754
*   8 1,4-Dichlorobenzene-d4            152        9.184    9.183 (1.000)     145276    4.00000
    9 1,4-Dichlorobenzene               146        9.215    9.214 (1.003)     254370    4.77289      4.773
$  10 1,2-Dichlorobenzene-d4            152        9.548    9.548 (1.040)     157368    4.76640      4.766
   12 1,2-Dichlorobenzene               146        9.572    9.571 (1.042)     249154    4.76694      4.767
   11 Benzyl alcohol                    108        9.447    9.447 (1.029)     144889    4.97978      4.980
   14 2,2'-oxybis(1-Chloropropane)      121        9.758    9.758 (1.063)      78691    5.19294      5.193
   13 2-Methylphenol                    108        9.673    9.672 (1.053)     186498    3.92700      3.927
   17 Hexachloroethane                  117       10.177   10.177 (1.108)      96618    4.92918      4.929
   16 N-Nitroso-di-n-propylamine         70       10.014   10.014 (1.090)     148366    5.12841      5.128
   15 4-Methylphenol                    108        9.952    9.944 (1.084)     206520    4.12221      4.122
$  18 Nitrobenzene-d5                    82       10.278   10.285 (0.879)     222732    4.86182      4.862
   19 Nitrobenzene                       77       10.317   10.316 (0.883)     222014    4.87964      4.880
   20 Isophorone                         82       10.767   10.774 (0.921)     402784    6.94605      6.946
   21 2-Nitrophenol                     139       10.953   10.953 (0.937)     131718    4.55573      4.556
   22 2,4-Dimethylphenol                107       11.000   10.999 (0.941)     173928    3.66274      3.663
   23 Bis(2-Chloroethoxy)methane         93       11.201   11.201 (0.958)     255794    5.67041      5.670
   24 Benzoic acid                      105       11.155   11.201 (0.954)     187105    6.38476      6.385
   25 2,4-Dichlorophenol                162       11.403   11.410 (0.976)     175656    4.38838      4.388
   26 1,2,4-Trichlorobenzene            180       11.604   11.604 (0.993)     197978    4.57428      4.574
*  27 Naphthalene-d8                    136       11.689   11.688 (1.000)     542519    4.00000
   28 Naphthalene                       128       11.727   11.735 (1.003)     642406    4.81161      4.812
   29 4-Chloroaniline                   127       11.851   11.858 (1.014)     211901    3.84856      3.849
   30 Hexachlorobutadiene               225       12.098   12.098 (1.035)     103565    4.82279      4.823
   31 4-Chloro-3-methylphenol           107       12.810   12.818 (1.096)     170811    4.52201      4.522
   32 2-Methylnaphthalene               142       13.135   13.135 (1.124)     452041    4.61574      4.616
   33 Hexachlorocyclopentadiene         237       13.607   13.607 (0.888)     112264    5.08058      5.081
```

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Data File: \\target\share\chem3\nt14.i\20221230.b\NT1422123011.D Page 2
Report Date: 04-Jan-2023 08:10

                                                                                         CONCENTRATIONS
                                      QUANT SIG                                       ON-COLUMN    FINAL
Compounds                               MASS         RT    EXP RT   REL RT  RESPONSE    (ug/mL)    (ug/mL)
==========================              ====        ==== ======== ======== ========    =======    =======
   34 2,4,6-Trichlorophenol              196       13.754  13.754 (0.897)    107518    4.40679      4.407
   35 2,4,5-Trichlorophenol              196       13.824  13.824 (0.902)    120450    4.27752      4.278
$  36 2-Fluorobiphenyl                   172       13.917  13.916 (0.908)    473396    4.81670      4.817
   37 2-Chloronaphthalene                162       14.134  14.133 (0.922)    397460    4.75373      4.754
   38 2-Nitroaniline                      65       14.381  14.389 (0.938)    110847    5.04270      5.043
   39 Dimethylphthalate                  163       14.815  14.822 (0.967)    414043    5.02258      5.023
   40 Acenaphthylene                     152       15.008  15.008 (0.979)    637390    4.99964      5.000
   41 2,6-Dinitrotoluene                 165       14.954  14.954 (0.976)     95155    5.11473      5.115
*  42 Acenaphthene-d10                   164       15.325  15.325 (1.000)    292314    4.00000
   43 3-Nitroaniline                     138       15.233  15.240 (0.994)    115042    5.08768      5.088
   44 Acenaphthene                       153       15.387  15.394 (1.004)    388683    4.91555      4.916
   45 2,4-Dinitrophenol                  184       15.449  15.456 (1.008)     32313    2.03614      2.036
   46 Dibenzofuran                       168       15.720  15.719 (1.026)    558398    4.70917      4.709
   47 4-Nitrophenol                      109       15.542  15.549 (1.014)     44501    4.07655      4.077
   48 2,4-Dinitrotoluene                 165       15.766  15.765 (1.029)    126494    4.95564      4.956
   50 Diethylphthalate                   149       16.276  16.283 (1.062)    599841    5.35338      5.353
   49 Fluorene                           166       16.431  16.438 (1.072)    659773    5.23034      5.230
   51 4-Chlorophenyl-phenylether         204       16.423  16.423 (1.072)    314576    5.09376      5.094
   52 4-Nitroaniline                     138       16.508  16.515 (1.077)    130156    4.73349      4.733
   53 4,6-Dinitro-2-methylphenol         198       16.608  16.615 (0.904)     82579    4.08155      4.082
   54 N-Nitrosodiphenylamine             169       16.670  16.669 (0.907)    391689    4.77466      4.775
$  55 2,4,6-Tribromophenol               330       16.963  16.970 (1.107)    103080    7.23936      7.239
   56 4-Bromophenyl-phenylether          248       17.425  17.433 (0.949)    153403    4.93837      4.938
   57 Hexachlorobenzene                  284       17.750  17.749 (0.966)    155193    4.55261      4.553
   58 Pentachlorophenol                  266       18.098  18.106 (0.985)     57071    3.79567      3.796
*  59 Phenanthrene-d10                   188       18.369  18.376 (1.000)    478070    4.00000
   60 Phenanthrene                       178       18.423  18.423 (1.003)    594211    4.76715      4.767
   61 Anthracene                         178       18.516  18.516 (1.008)    520344    4.37286      4.373
   62 Carbazole                          167       18.833  18.841 (1.025)    531516    4.62047      4.620
   63 Di-n-butylphthalate                149       19.630  19.630 (1.069)    666827    4.93141      4.931
   64 Fluoranthene                       202       20.798  20.806 (0.888)    676060    5.09000      5.090
   65 Pyrene                             202       21.224  21.231 (0.906)    701324    5.02201      5.022
$  66 Terphenyl-d14                      244       21.503  21.510 (0.918)    476897    4.81614      4.816
   67 Butylbenzylphthalate               149       22.424  22.423 (0.958)    268323    5.00461      5.005
   68 Benzo(a)anthracene                 228       23.384  23.384 (0.999)    611047    4.88991      4.890
*  69 Chrysene-d12                       240       23.415  23.415 (1.000)    412507    4.00000
   70 3,3'-Dichlorobenzidine             252       23.330  23.329 (0.996)    352190    9.20673      9.207
   71 Chrysene                           228       23.454  23.461 (1.002)    562245    4.76333      4.763
   72 bis(2-Ethylhexyl)phthalate         149       23.446  23.446 (0.959)    386843    5.89917      5.899
* 134 Di-n-octylphthalate-d4             153       24.437  24.437 (1.000)    590464    4.00000
   73 Di-n-octylphthalate                149       24.445  24.452 (1.000)    720505    5.08341      5.083
   74 Benzo(b)fluoranthene               252       25.304  25.311 (0.969)    583736    4.89261      4.893
   75 Benzo(k)fluoranthene               252       25.350  25.358 (0.971)    618510    5.09341      5.093
   76 Benzo(a)pyrene                     252       25.985  25.985 (0.996)    505003    5.09168      5.092
*  77 Perylene-d12                       264       26.102  26.101 (1.000)    379639    4.00000
   78 Indeno(1,2,3-cd)pyrene             276       28.861  28.869 (1.106)    578206    5.12831      5.128
   79 Dibenzo(a,h)anthracene             278       28.869  28.876 (1.106)    487403    5.08716      5.087
   80 Benzo(g,h,i)perylene               276       29.677  29.684 (1.137)    475788    5.03737      5.037
   90 N-Nitrosodimethylamine              74        4.749   4.749 (0.517)    165220    5.15442      5.154
   91 Aniline                             93           Compound Not Detected.
   93 Benzidine                          184       21.023  21.030 (0.898)    511157    9.70402      9.704
  103 Pyridine                            79        4.788   4.780 (0.521)    273100    2.68129      2.681
  105 1-methylnaphthalene                142       13.360  13.359 (1.143)    439557    4.67125      4.671
  111 Azobenzene (1,2-DP-Hydrazine)       77       16.747  16.746 (1.093)    531158    4.89310      4.893
```

```
                                                                                     CONCENTRATIONS
                                     QUANT SIG                                     ON-COLUMN    FINAL
Compounds                              MASS          RT    EXP RT   REL RT  RESPONSE    (ug/mL)     (ug/mL)
==========================             ====          ==== ======== ======== ========    =======     =======
  187 Total Benzofluoranthenes          252       25.350  25.358 (0.971)   1150223    9.97185       9.972
  120 2,3,4,6-Tetrachlorophenol         232       16.052  16.051 (1.047)     86828    4.07937       4.079
```

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Data File: \\target\share\chem3\nt14.i\20221230.b\NT1422123011.D Page 1
Report Date: 04-Jan-2023 08:10

                                 ARI Labs, Inc.

                          INTERNAL STANDARD COMPOUNDS
                              AREA AND RT SUMMARY

Instrument ID: nt14.i                          Calibration Date: 30-DEC-2022
Lab File ID: NT1422123011.D                    Calibration Time: 08:06
Lab Smp Id: SKL0355-ICV1
Analysis Type: SV                                    Level:
Quant Type: ISTD                               Sample Type:
Operator: VTS
Method File: \\target\share\chem3\nt14.i\20221230.b\ABN.m
Misc Info:

Test Mode:
           Use Last Continuing Calibrator.

 _________________________________________________________________________
|                     |          |     AREA LIMIT      |          |       |
| COMPOUND            | STANDARD |  LOWER   |  UPPER   |  SAMPLE  | %DIFF |
|=====================|==========|==========|==========|==========|=======|
|  8 1,4-Dichlorobenze|    151013|     75507|    302026|    145276|  -3.80|
| 27 Naphthalene-d8   |    553510|    276755|   1107020|    542519|  -1.99|
| 42 Acenaphthene-d10 |    305411|    152706|    610822|    292314|  -4.29|
| 59 Phenanthrene-d10 |    491708|    245854|    983416|    478070|  -2.77|
| 69 Chrysene-d12     |    424740|    212370|    849480|    412507|  -2.88|
|134 Di-n-octylphthala|    684951|    342476|   1369902|    590464| -13.79|
| 77 Perylene-d12     |    395150|    197575|    790300|    379639|  -3.93|
|_____________________|__________|__________|__________|__________|_______|


 _________________________________________________________________________
|                     |          |      RT LIMIT       |          |       |
| COMPOUND            | STANDARD |  LOWER   |  UPPER   |  SAMPLE  | %DIFF |
|=====================|==========|==========|==========|==========|=======|
|  8 1,4-Dichlorobenze|      9.18|      8.68|      9.68|      9.18|   0.00|
| 27 Naphthalene-d8   |     11.69|     11.19|     12.19|     11.69|   0.00|
| 42 Acenaphthene-d10 |     15.33|     14.83|     15.83|     15.33|   0.00|
| 59 Phenanthrene-d10 |     18.38|     17.88|     18.88|     18.37|  -0.04|
| 69 Chrysene-d12     |     23.42|     22.92|     23.92|     23.42|   0.00|
|134 Di-n-octylphthala|     24.44|     23.94|     24.94|     24.44|   0.00|
| 77 Perylene-d12     |     26.10|     25.60|     26.60|     26.10|   0.00|
|_____________________|__________|__________|__________|__________|_______|

AREA UPPER LIMIT = +100% of internal standard area.
AREA LOWER LIMIT = - 50% of internal standard area.
RT UPPER LIMIT = + 0.50 minutes of internal standard RT.
RT LOWER LIMIT = - 0.50 minutes of internal standard RT.
```

```
REVIEW SUMMARY FOR FILE - NT1422123011.D

Lab ID: SKL0355-ICV1
nt14.i,  20221230.b\ABN.m,    30-DEC-2022 13:31

     RT      CO-ELUTION COMPOUNDS
-----------------------------------------------------------------------------

            NO CO-ELUTIONS


Quant Method: ICAL



        RRT CHECK

   RRT    CCV RRT   DELTA    COMPOUND
 -------------------------------------

   NONE

  RRT check based on Ccal File: NT1422123002.D


 On Column LOD for nt14.i, 20221230.b\ABN.m, ICAL.sub = 0.0000



 * Only compounds listed in the work order have been verified by the analyst *
```

Data File: \\target\share\chem3\nt14.i\20221230.b\NT1422123012.D

Date : 30-DEC-2022 14:08

Client ID:

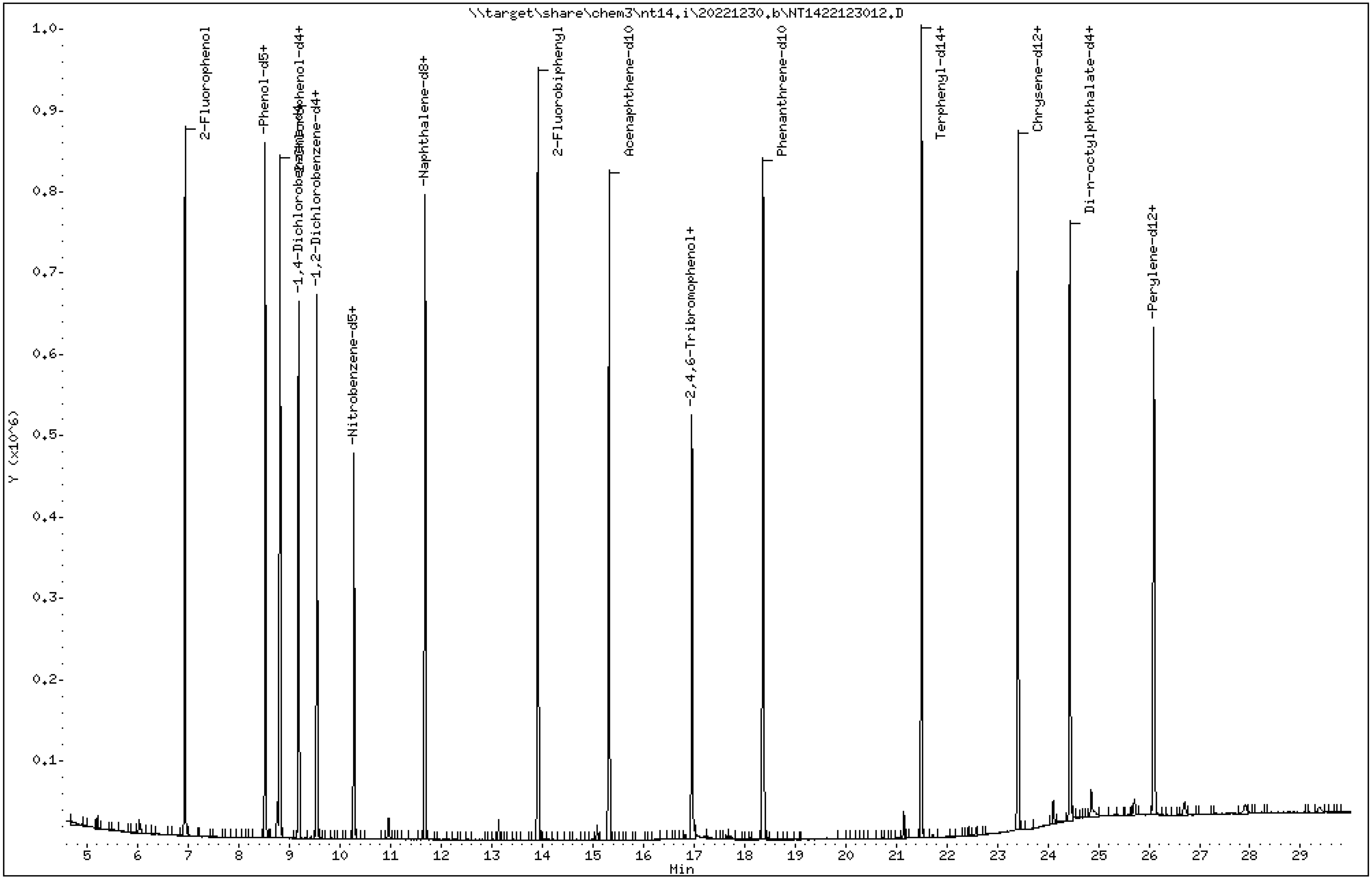
Instrument: nt14.i

Sample Info: SKL0355-ICB1

Operator: VTS

Column phase: ZB-5msi

Column diameter: 0.25



Data File: \\target\share\chem3\nt14.i\20221230.b\NT1422123012.D

Date : 30-DEC-2022 14:08

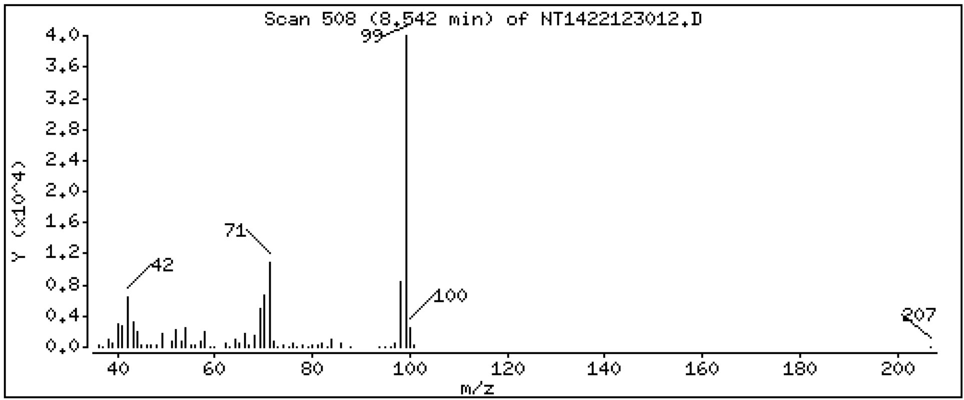
Client ID: Instrument: nt14.i

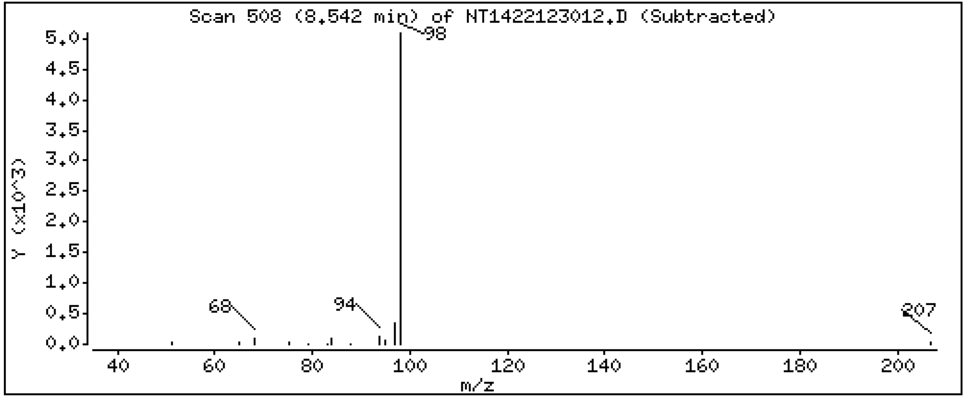
Sample Info: SKL0355-ICB1

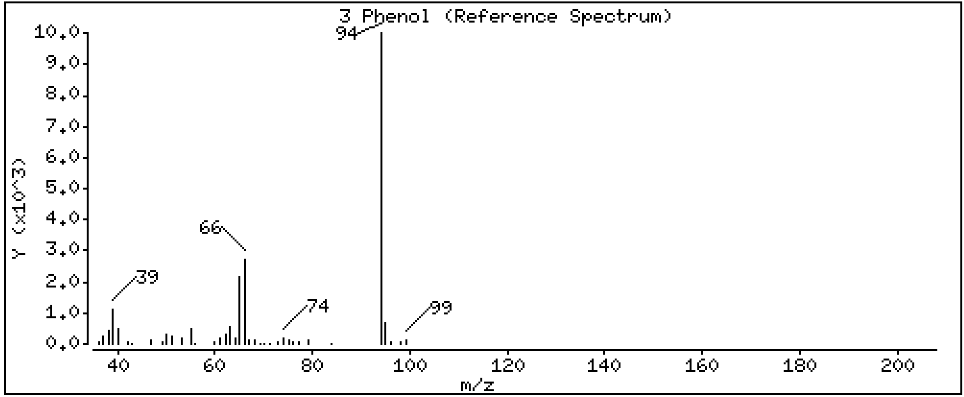
Operator: VTS

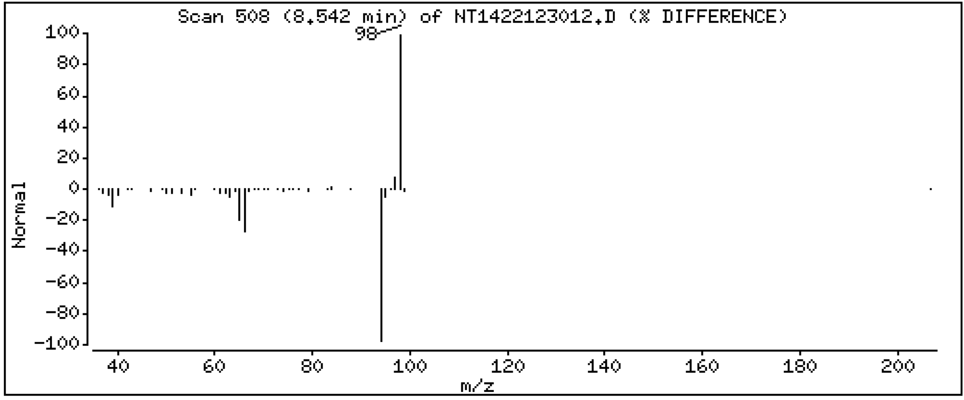
Column phase: ZB-5msi Column diameter: 0.25

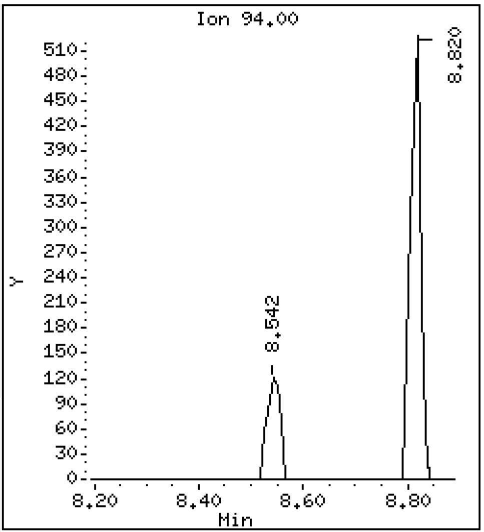
3 Phenol Concentration: 0.002573 ug/mL

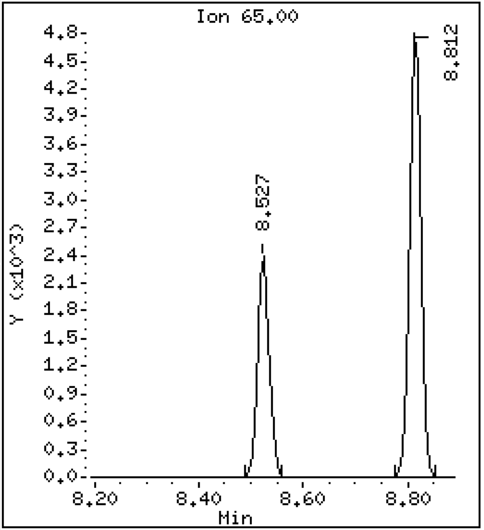


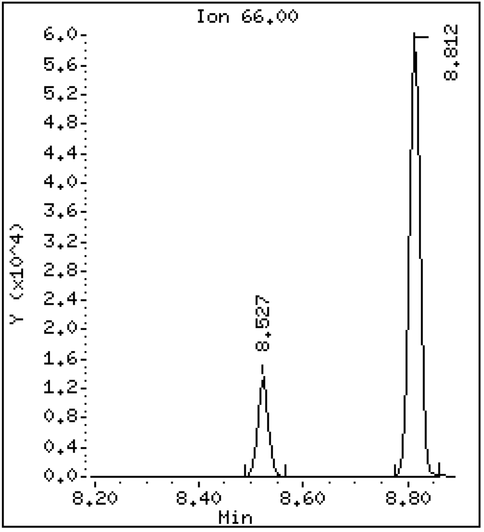












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Date : 30-DEC-2022 14:08

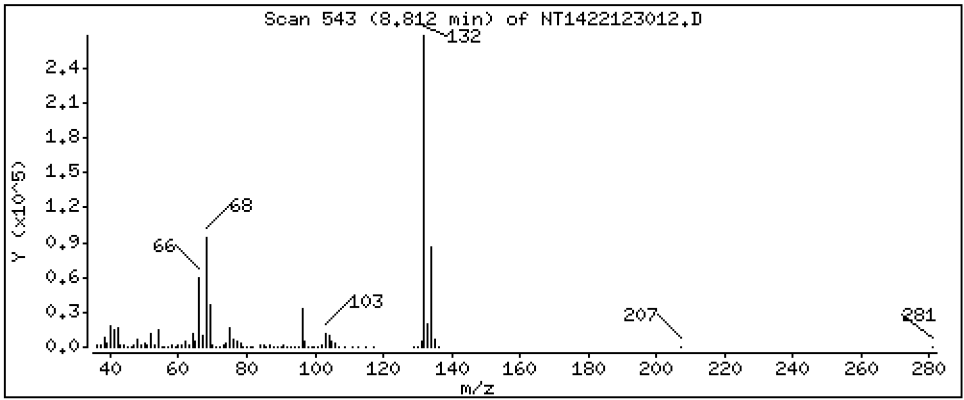
Client ID: Instrument: nt14.i

Sample Info: SKL0355-ICB1

Operator: VTS

Column phase: ZB-5msi Column diameter: 0.25

4 Bis(2-Chloroethyl)ether Concentration: 0.008376 ug/mL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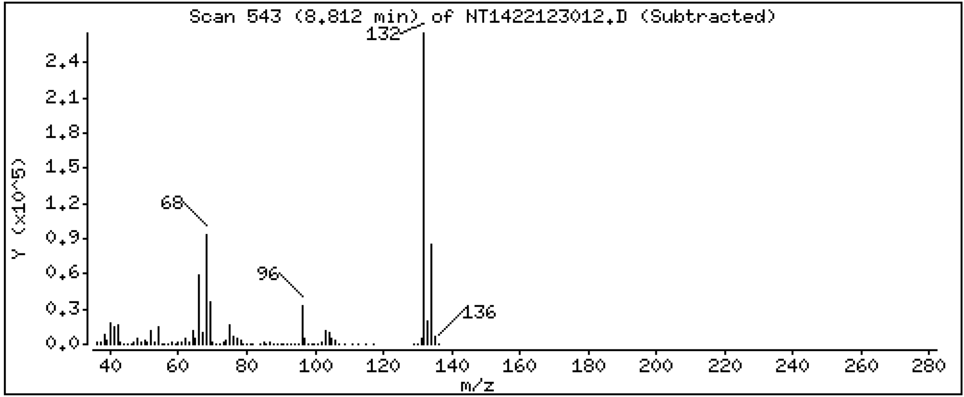
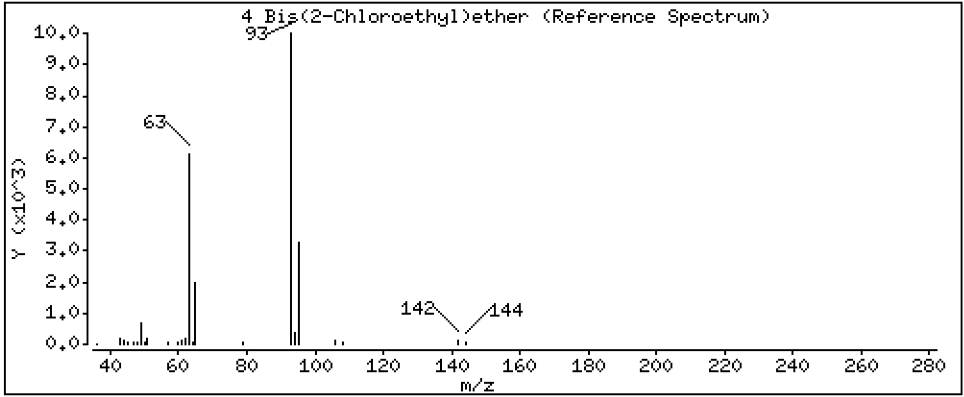
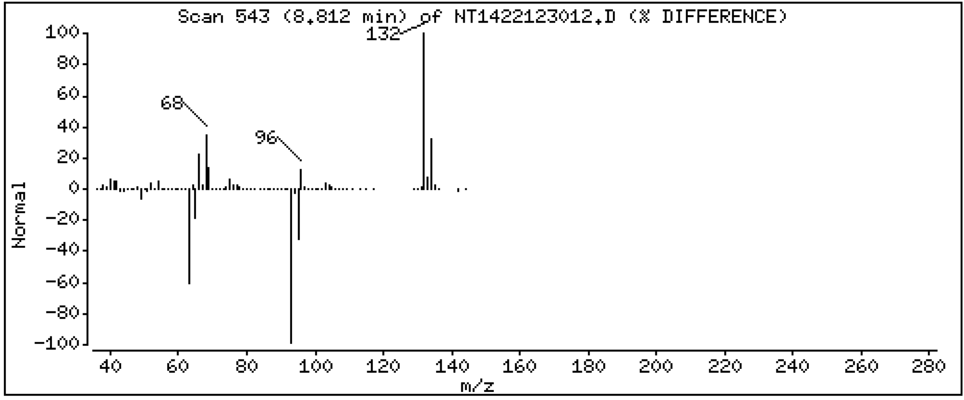

Scan 543 (8.812 min) of NT1422123012.D (Subtracted)


4 Bis(2-Chloroethyl)ether (Reference Spectrum)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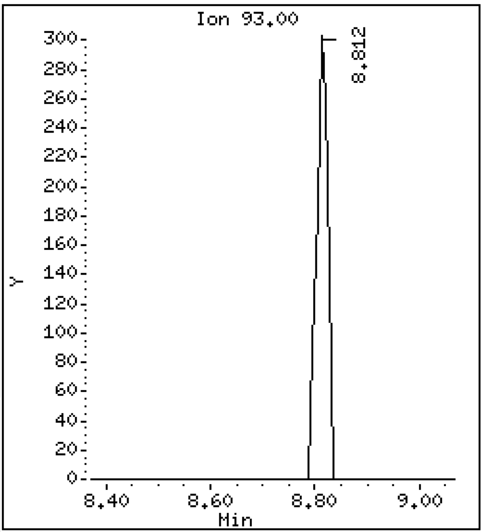
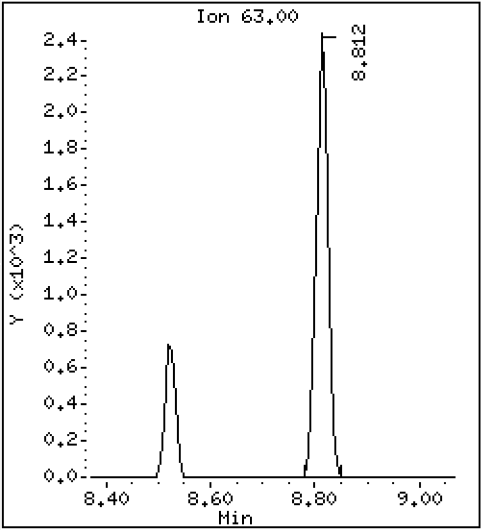
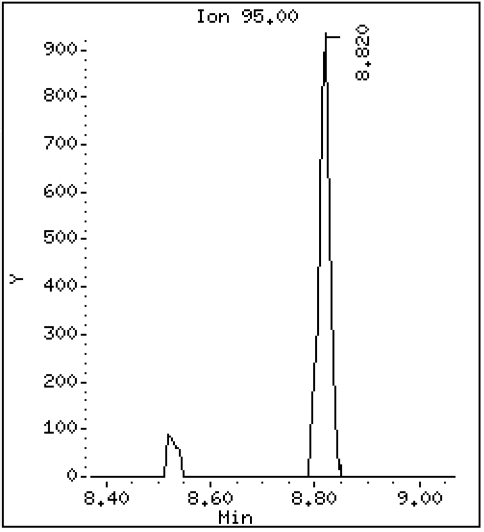

Ion 93.00


Ion 63.00


Ion 95.00

Data File: \\target\share\chem3\nt14.i\20221230.b\NT1422123012.D

Date : 30-DEC-2022 14:08

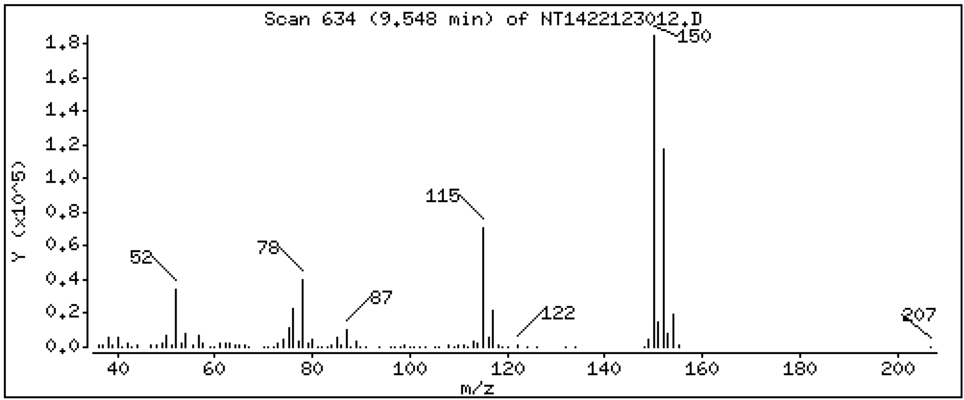
Client ID: Instrument: nt14.i

Sample Info: SKL0355-ICB1

Operator: VTS

Column phase: ZB-5msi Column diameter: 0.25

11 Benzyl alcohol Concentration: 0.04372 ug/mL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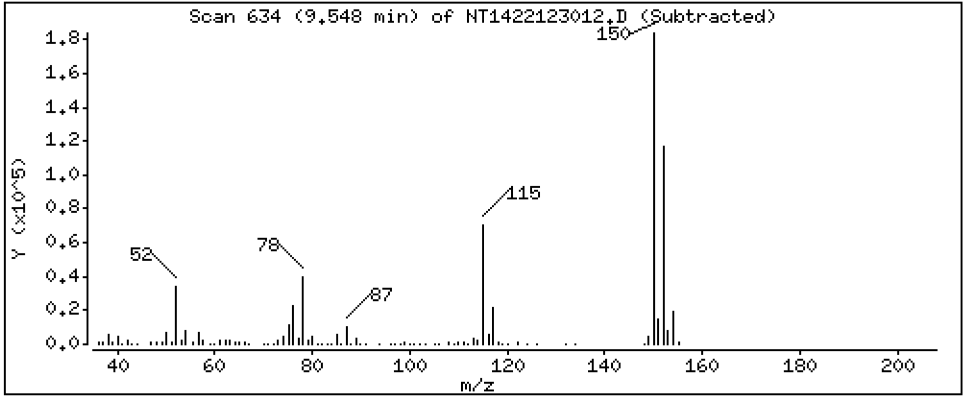
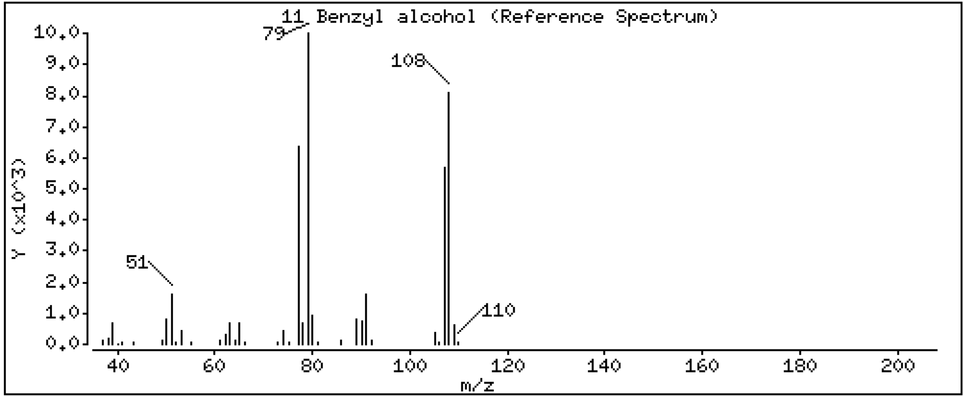
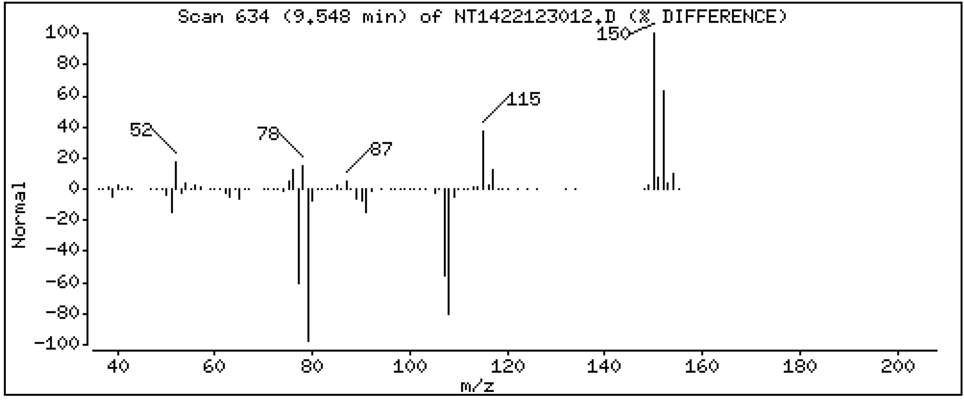
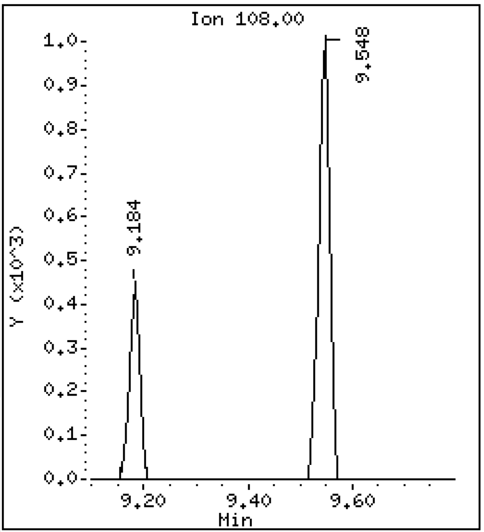

Scan 634 (9.548 min) of NT1422123012.D (Subtracted)


11 Benzyl alcohol (Reference Spectrum)


Scan 634 (9.548 min) of NT1422123012.D (% DIFFERENCE)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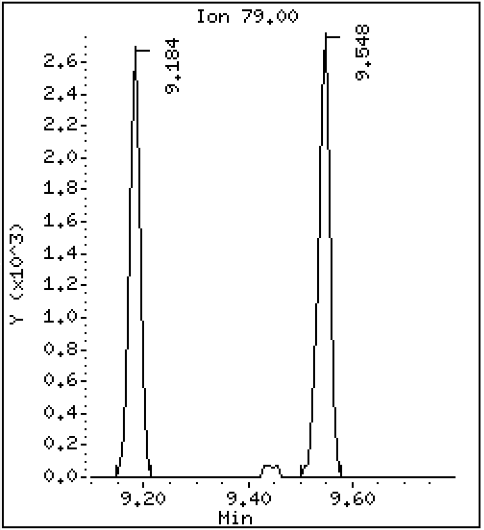
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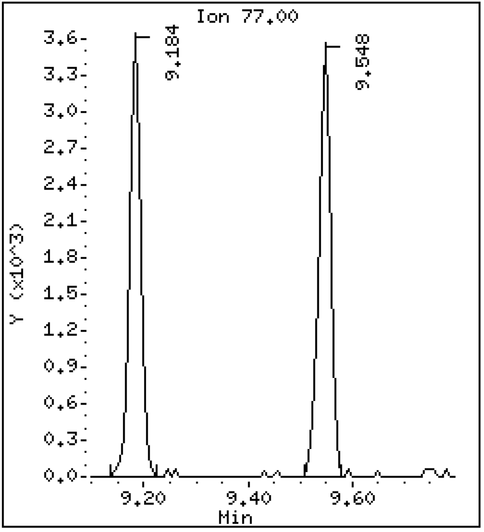
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Data File: \\target\share\chem3\nt14.i\20221230.b\NT1422123012.D

Date : 30-DEC-2022 14:08

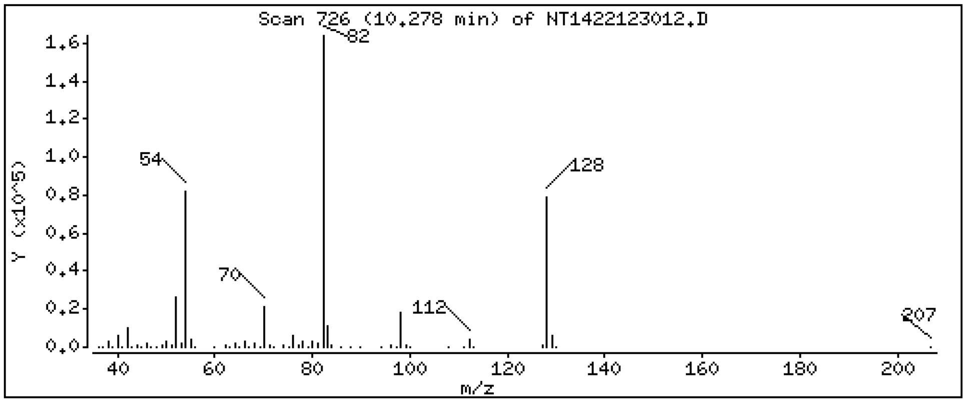
Client ID: Instrument: nt14.i

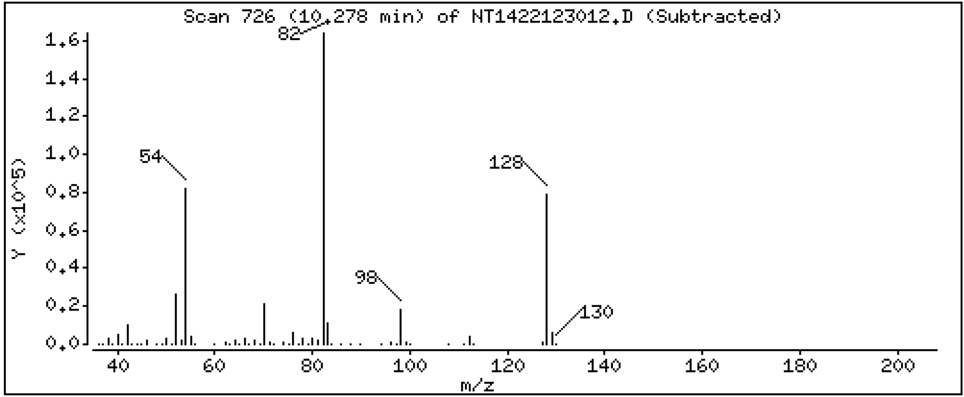
Sample Info: SKL0355-ICB1

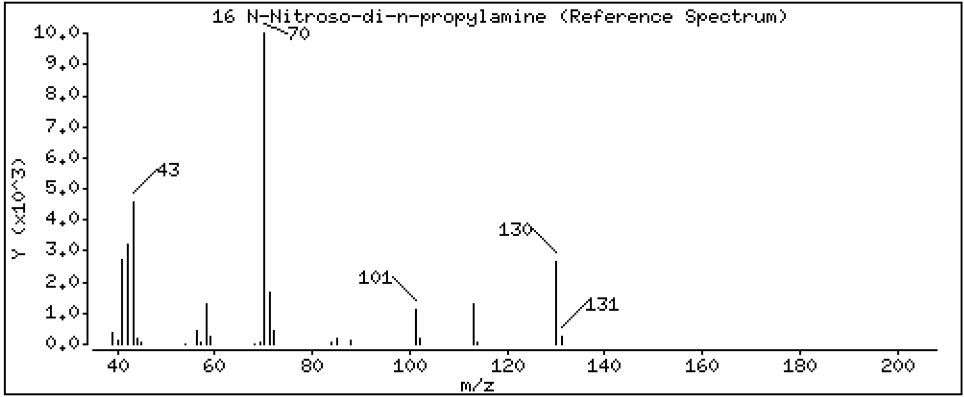
Operator: VTS

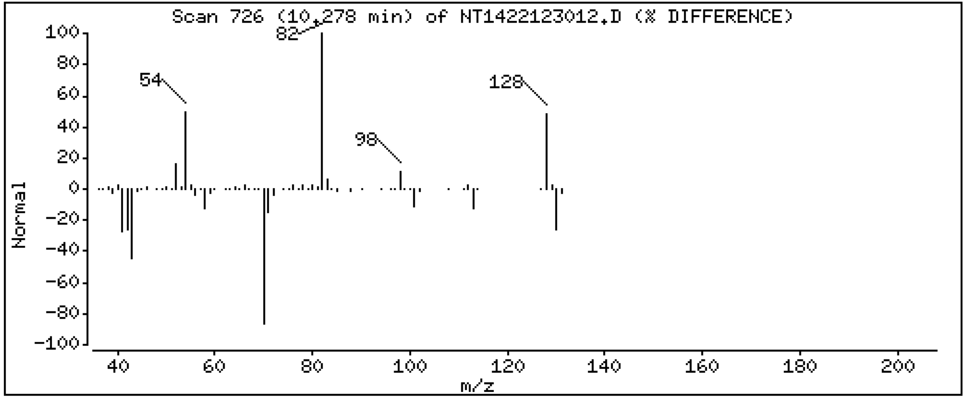
Column phase: ZB-5msi Column diameter: 0.25

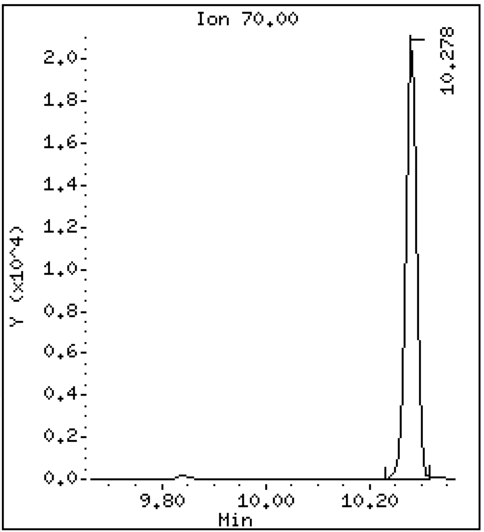
16 N-Nitroso-di-n-propylamine Concentration: 0.9150 ug/mL

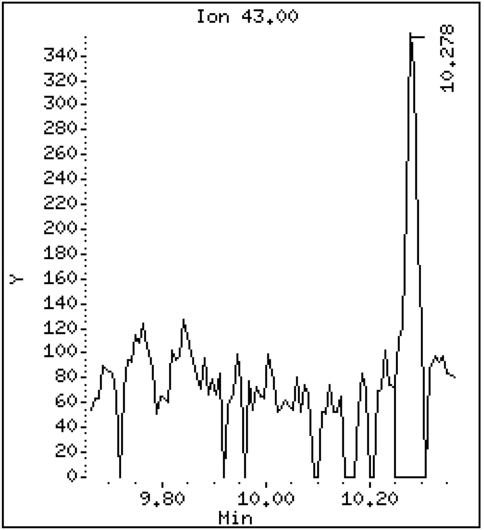


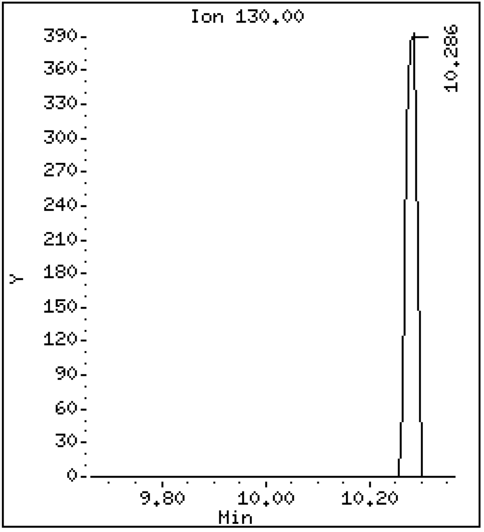












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Date : 30-DEC-2022 14:08

Client ID:

Instrument: nt14.i

Sample Info: SKL0355-ICB1

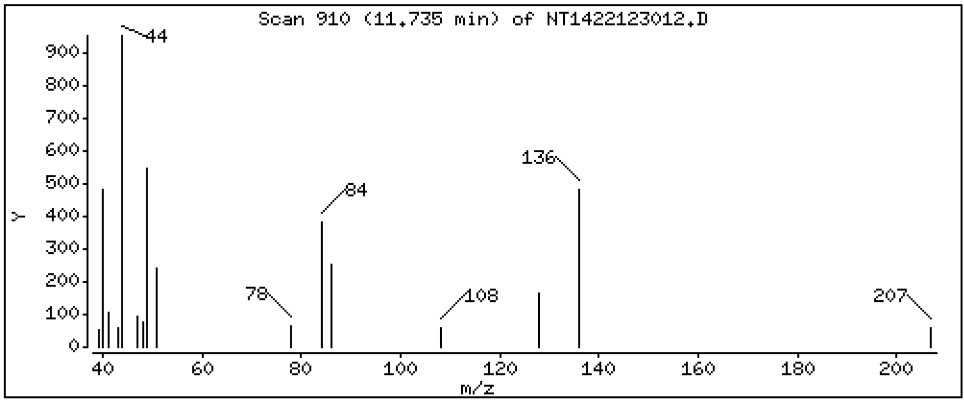
Operator: VTS

Column phase: ZB-5msi

Column diameter: 0.25

28 Naphthalene

Concentration: 0.001336 ug/mL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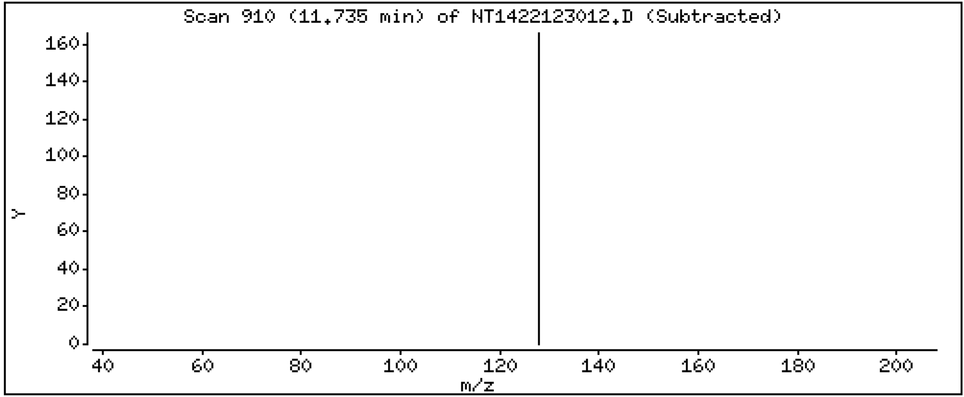
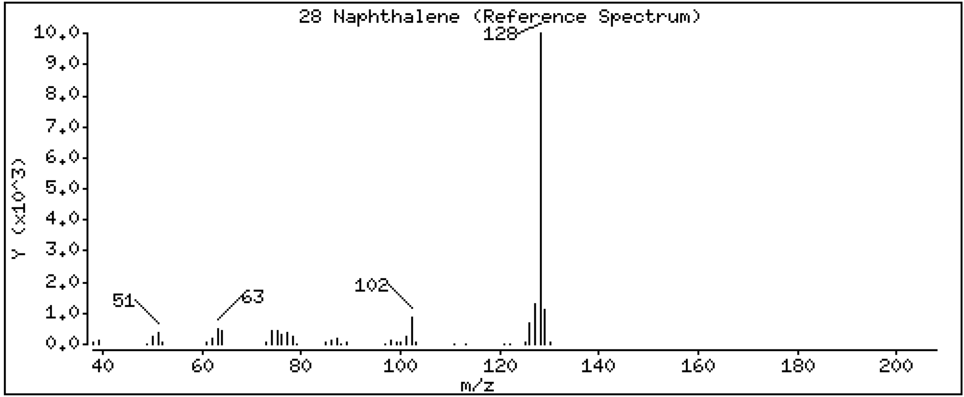
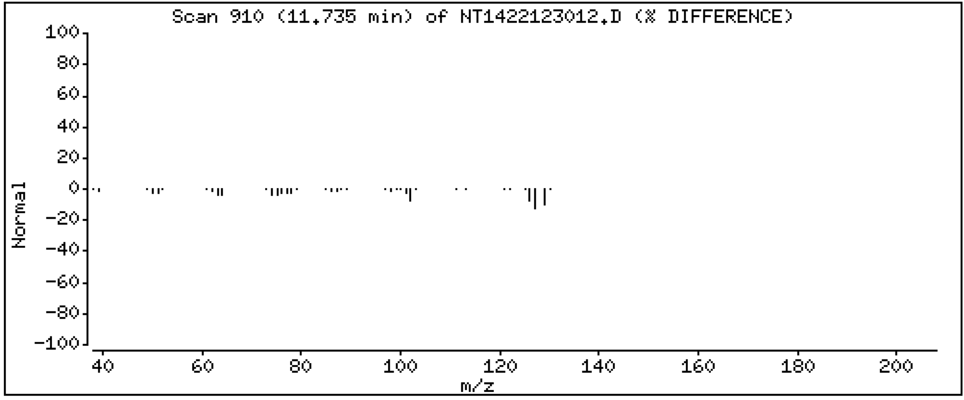
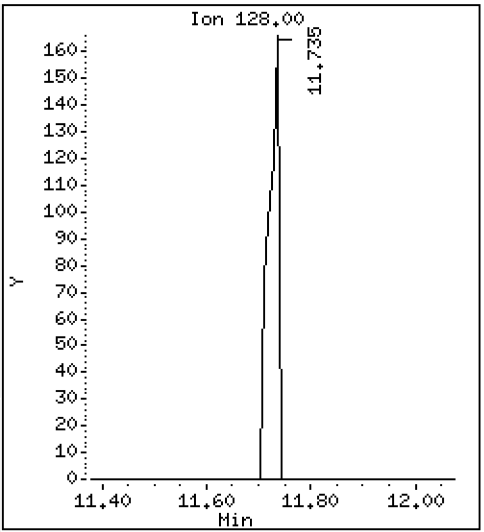
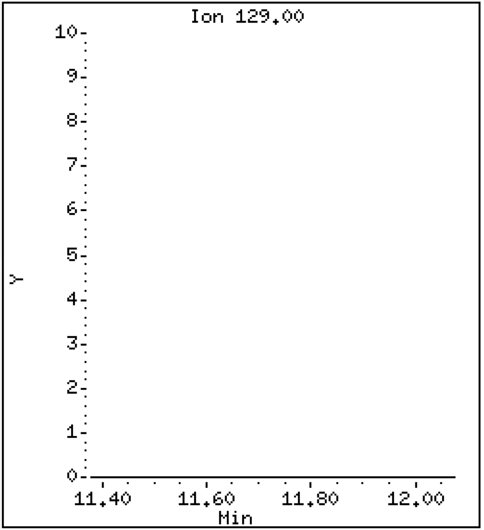
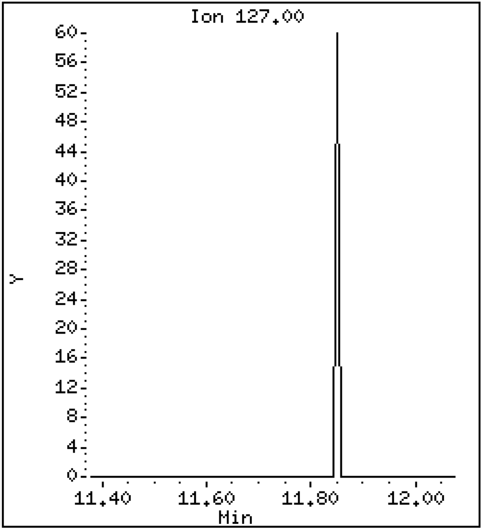

Scan 910 (11.735 min) of NT1422123012.D (Subtracted)


28 Naphthalene (Reference Spectrum)


Scan 910 (11.735 min) of NT1422123012.D (% DIFFERENCE)


Ion 128.00


Ion 129.00


Ion 127.00

Data File: \\target\share\chem3\nt14.i\20221230.b\NT1422123012.D

Date : 30-DEC-2022 14:08

Client ID:

Instrument: nt14.i

Sample Info: SKL0355-ICB1

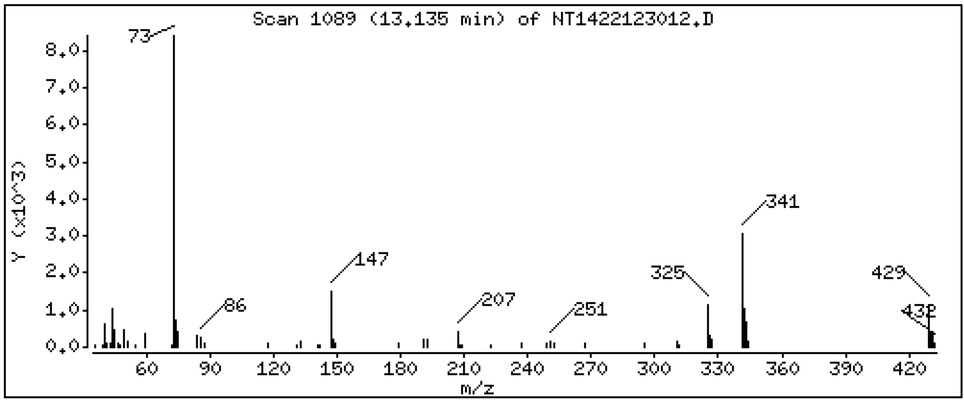
Operator: VTS

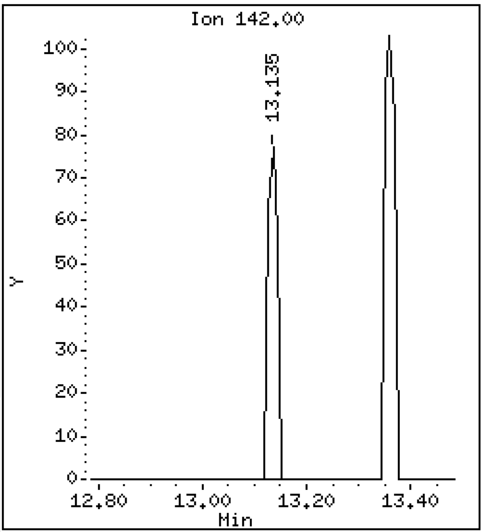
Column phase: ZB-5msi

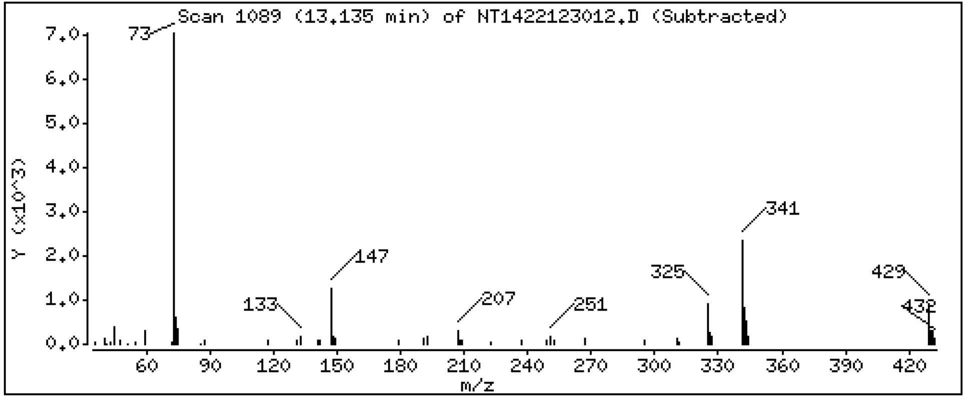
Column diameter: 0.25

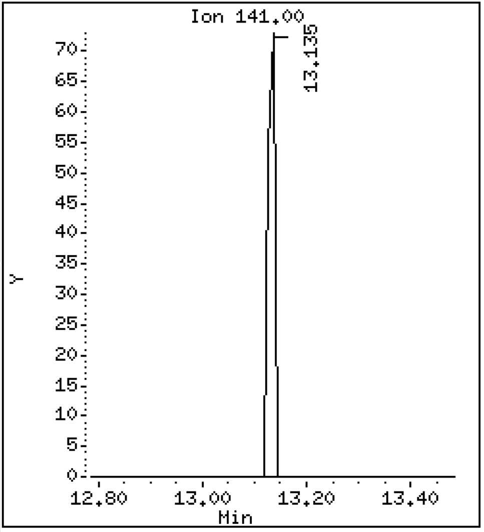
32 2-Methylnaphthalene

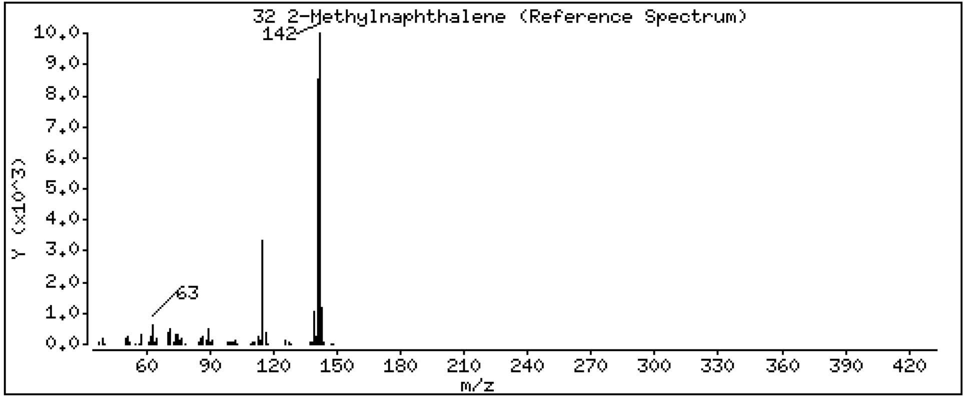
Concentration: 0.0007767 ug/mL

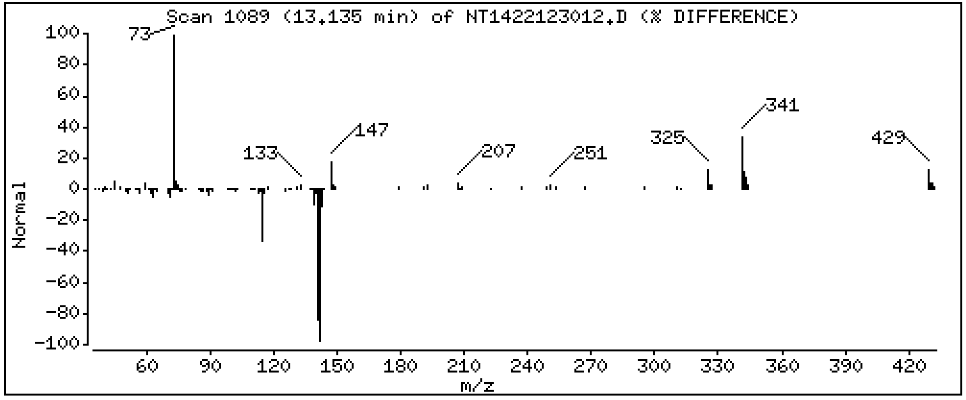












Data File: \\target\share\chem3\nt14.i\20221230.b\NT1422123012.D

Date : 30-DEC-2022 14:08

Client ID:

Instrument: nt14.i

Sample Info: SKL0355-ICB1

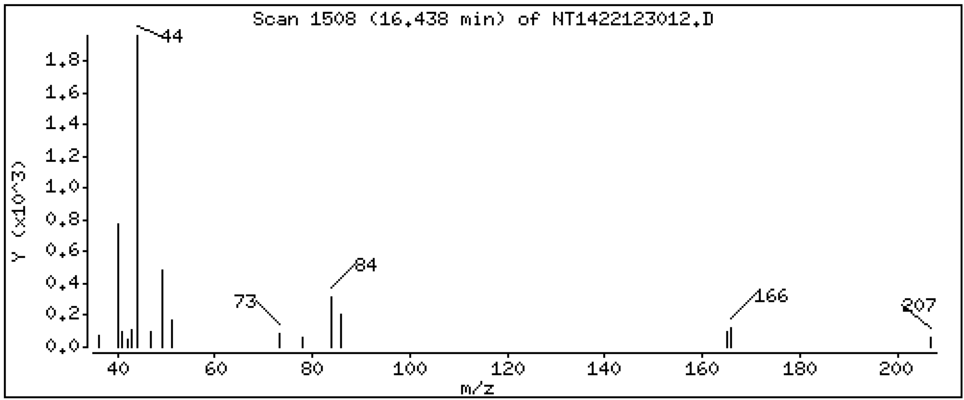
Operator: VTS

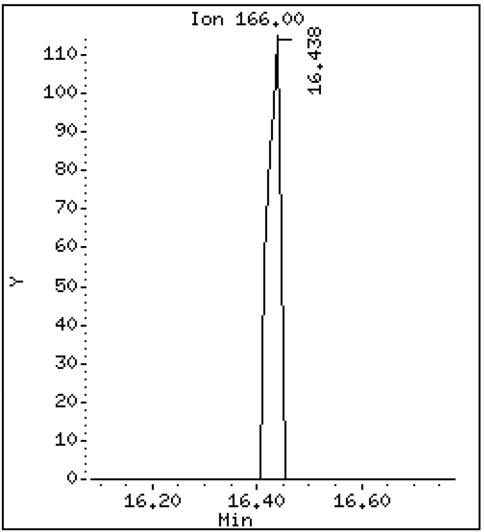
Column phase: ZB-5msi

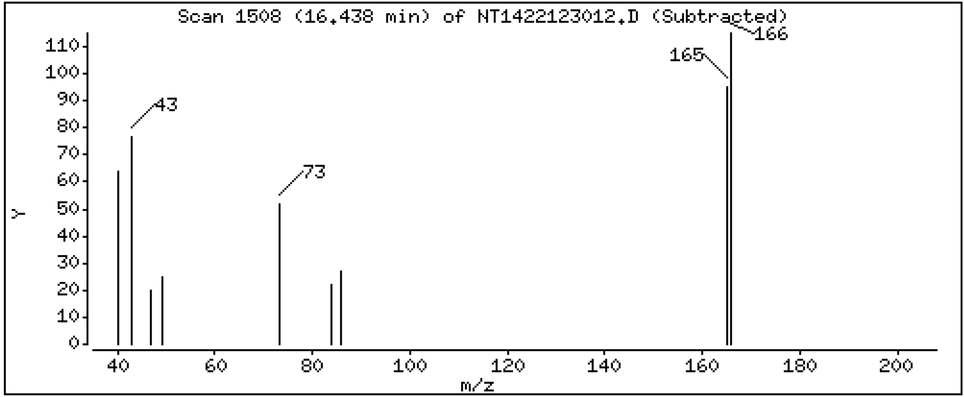
Column diameter: 0.25

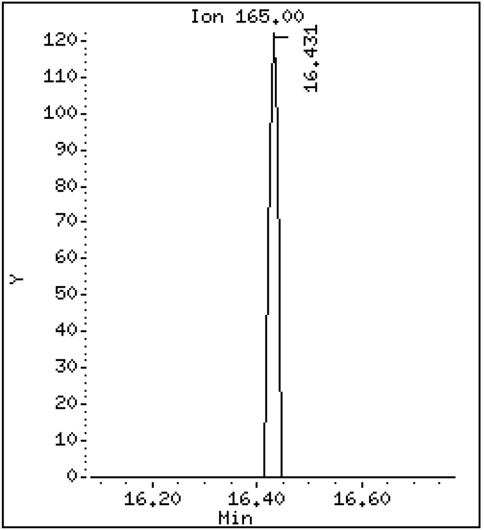
49 Fluorene

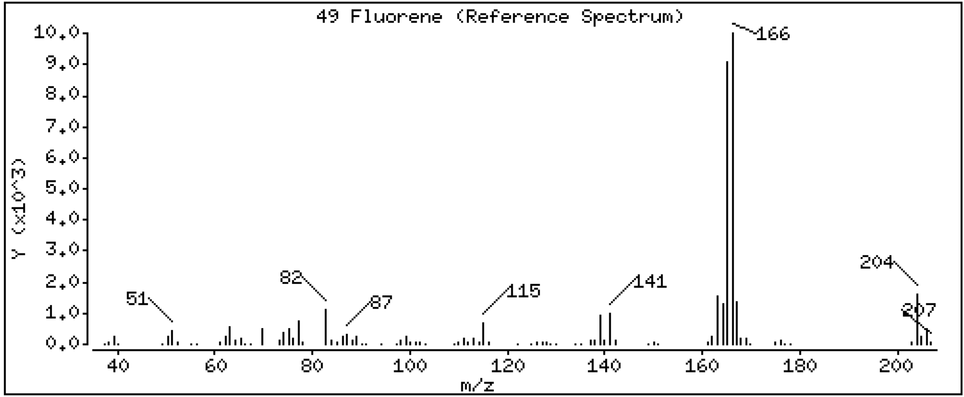
Concentration: 0.001319 ug/mL

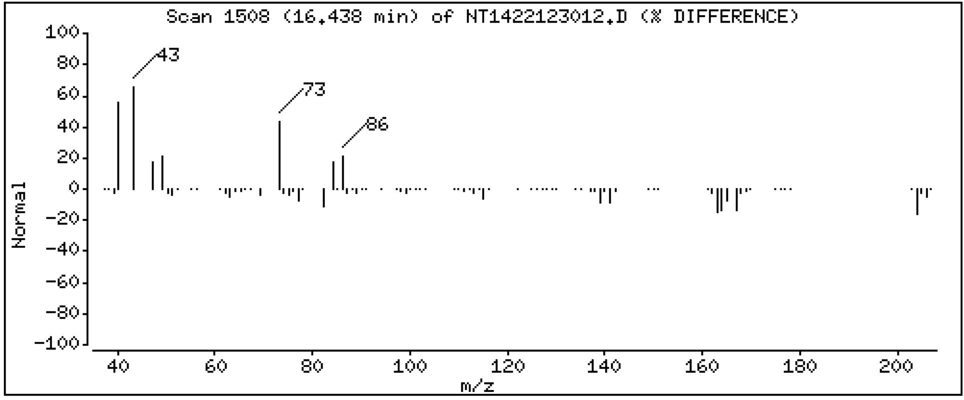


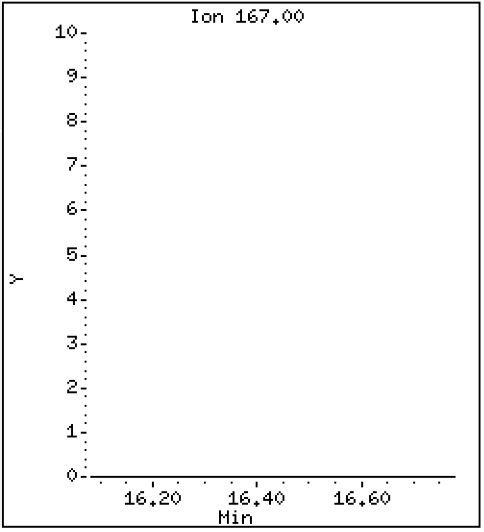












Data File: \\target\share\chem3\nt14.i\20221230.b\NT1422123012.D

Date : 30-DEC-2022 14:08

Client ID:

Instrument: nt14.i

Sample Info: SKL0355-ICB1

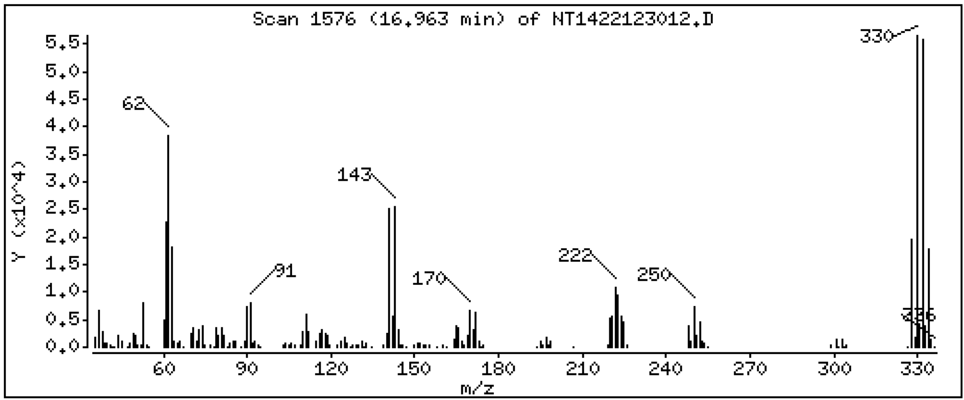
Operator: VTS

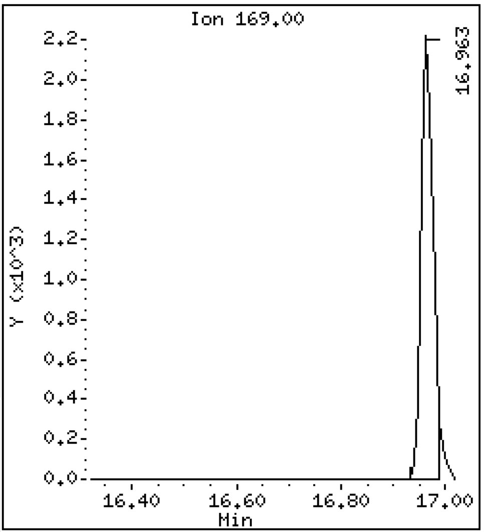
Column phase: ZB-5msi

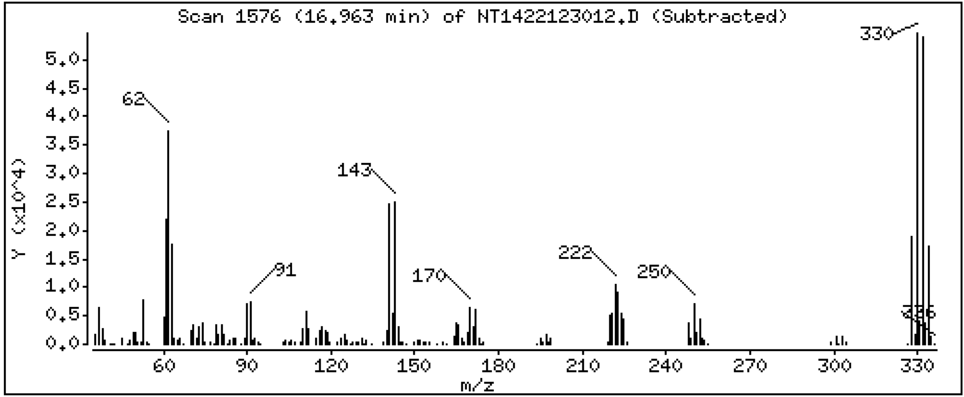
Column diameter: 0.25

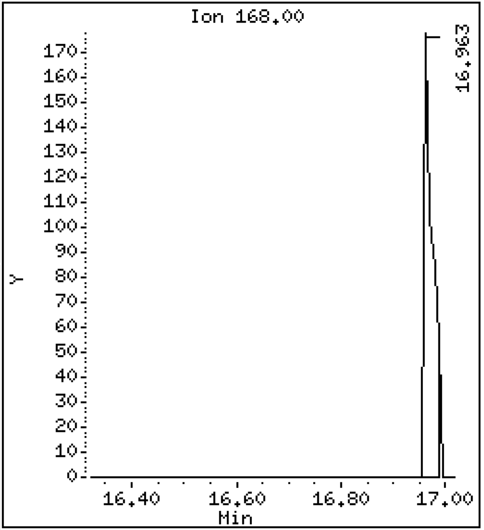
54 N-Nitrosodiphenylamine

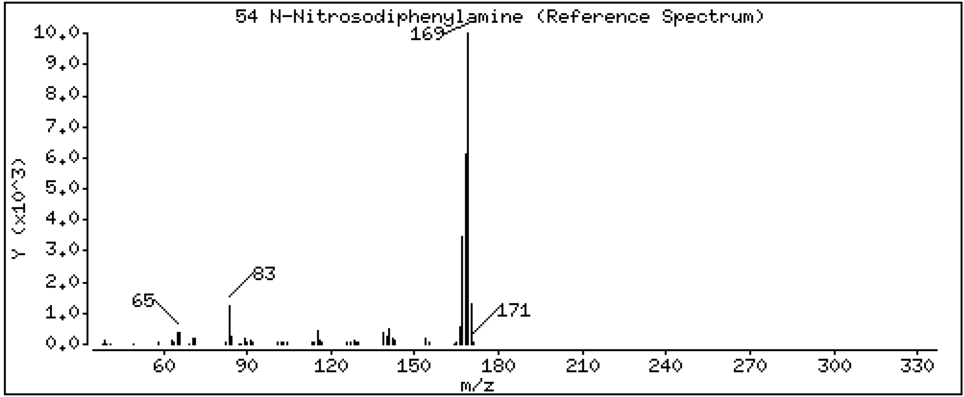
Concentration: 0.03543 ug/mL

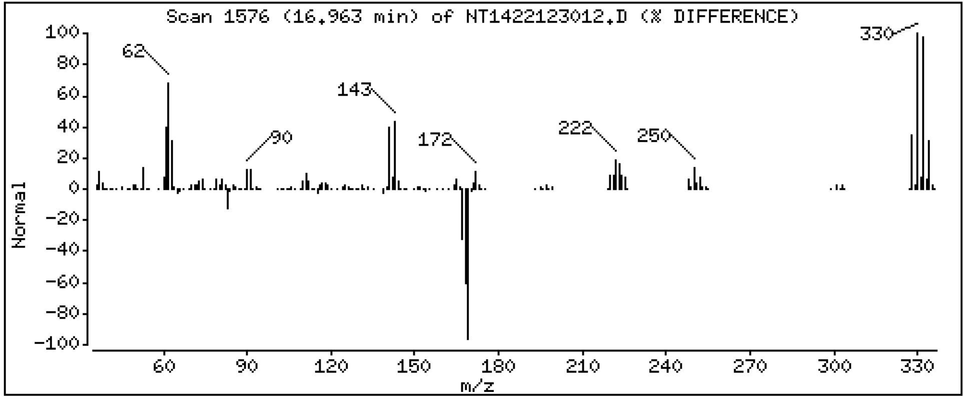

Scan 1576 (16.963 min) of NT1422123012.D

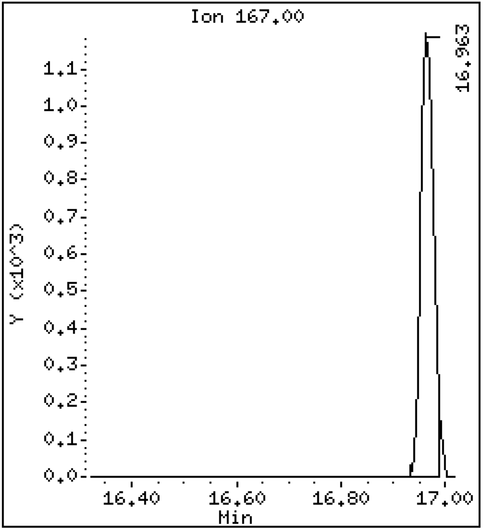

Ion 169.00


Scan 1576 (16.963 min) of NT1422123012.D (Subtracted)


Ion 168.00


54 N-Nitrosodiphenylamine (Reference Spectrum)


Scan 1576 (16.963 min) of NT1422123012.D (% DIFFERENCE)


Ion 167.00

Data File: \\target\share\chem3\nt14.i\20221230.b\NT1422123012.D

Date : 30-DEC-2022 14:08

Client ID:

Instrument: nt14.i

Sample Info: SKL0355-ICB1

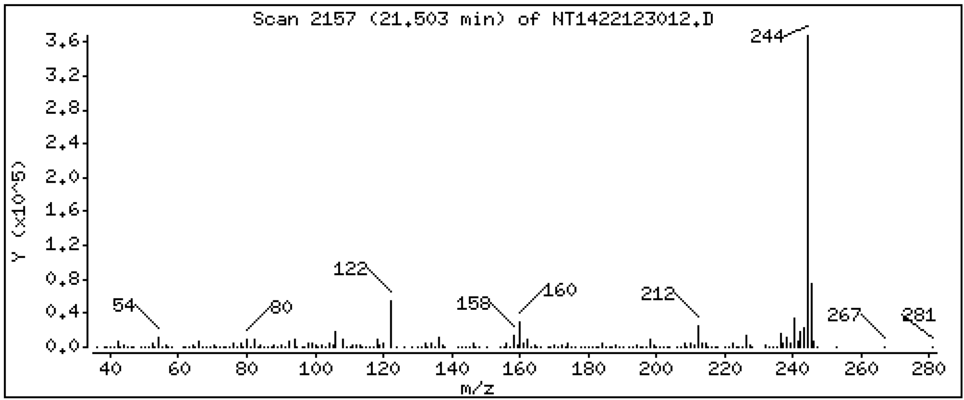
Operator: VTS

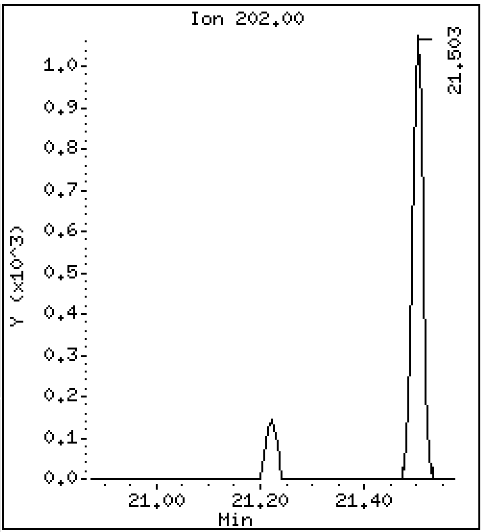
Column phase: ZB-5msi

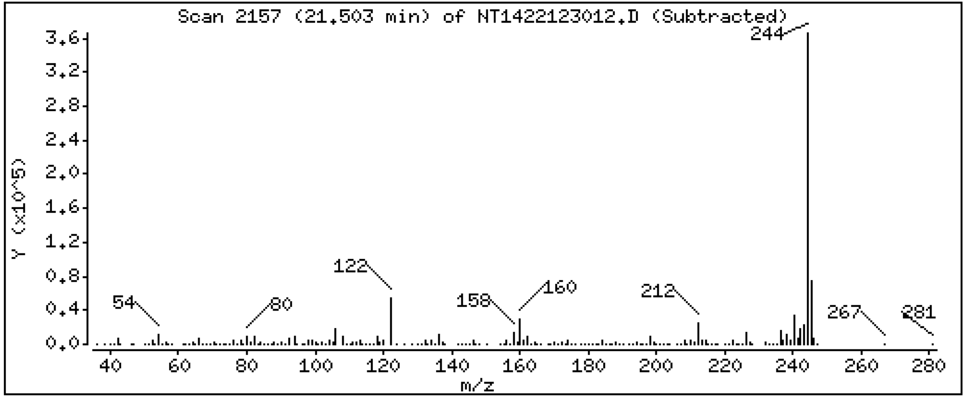
Column diameter: 0.25

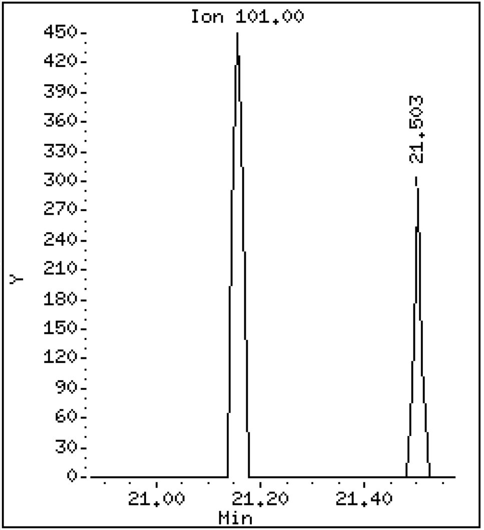
65 Pyrene

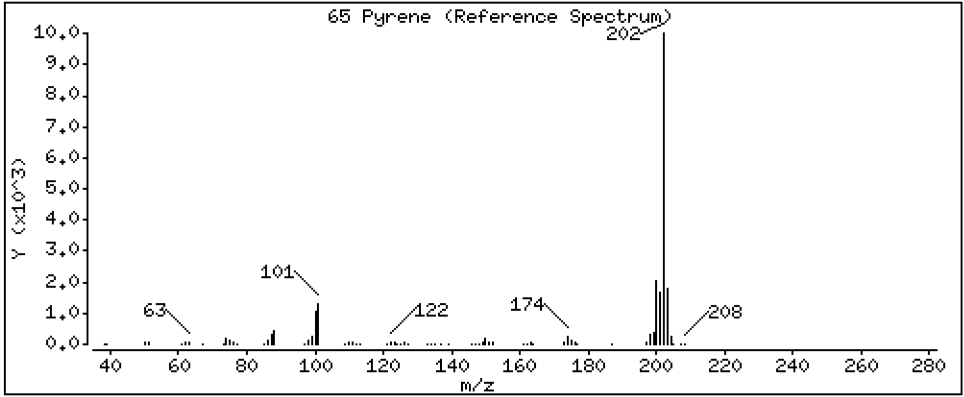
Concentration: 0.01055 ug/mL

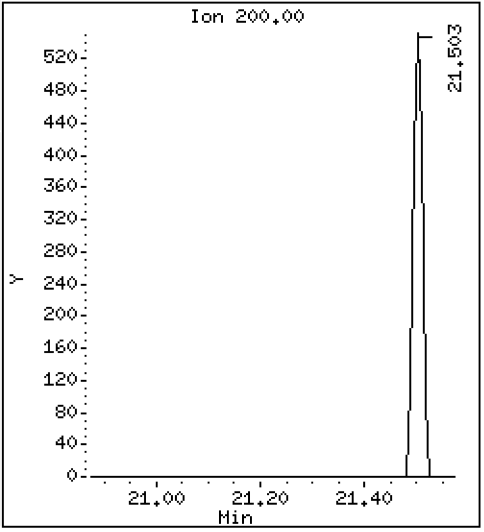

Scan 2157 (21.503 min) of NT1422123012.D

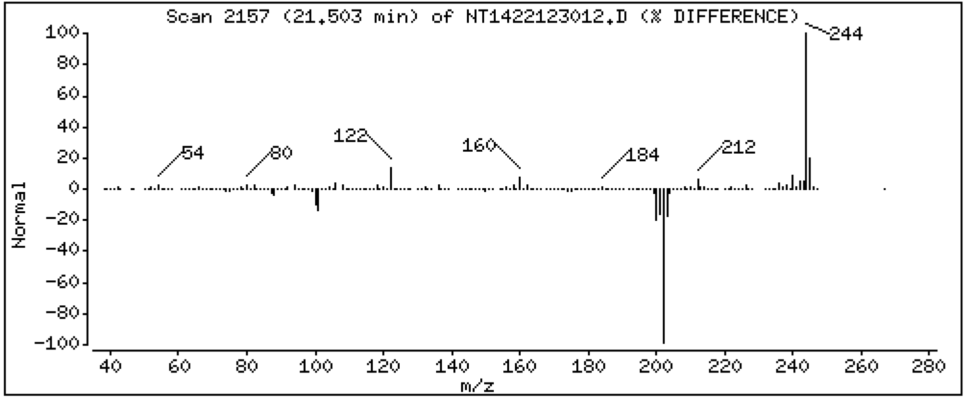

Ion 202.00


Scan 2157 (21.503 min) of NT1422123012.D (Subtracted)


Ion 101.00


65 Pyrene (Reference Spectrum)


Ion 200.00


Scan 2157 (21.503 min) of NT1422123012.D (% DIFFERENCE)

Data File: \\target\share\chem3\nt14.i\20221230.b\NT1422123012.D

Date : 30-DEC-2022 14:08

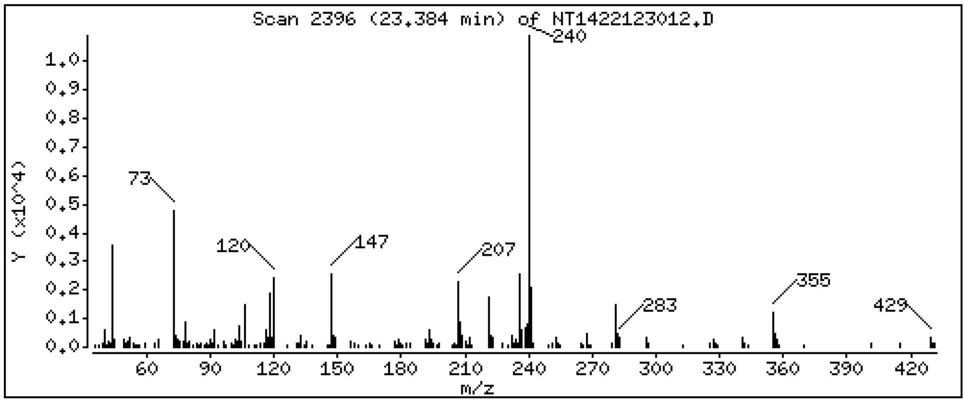
Client ID: Instrument: nt14.i

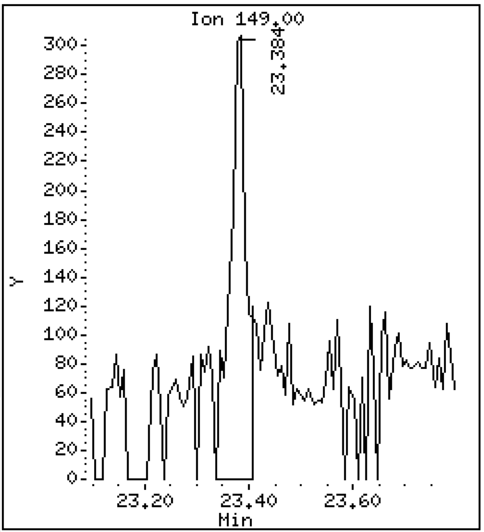
Sample Info: SKL0355-ICB1

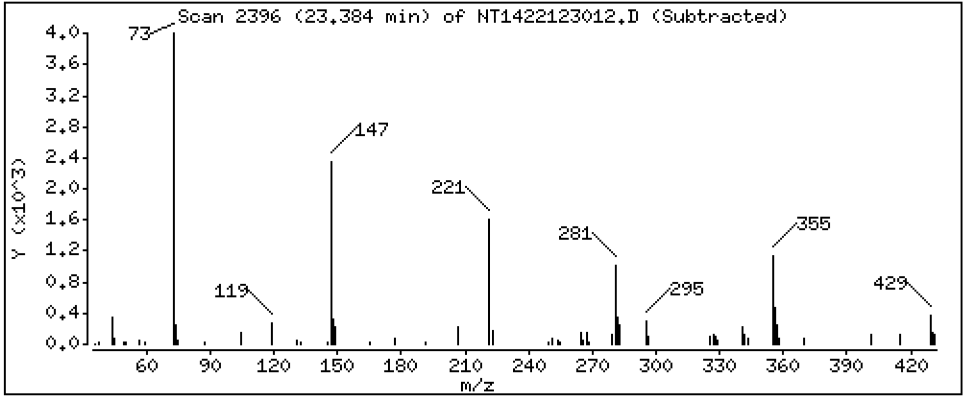
Operator: VTS

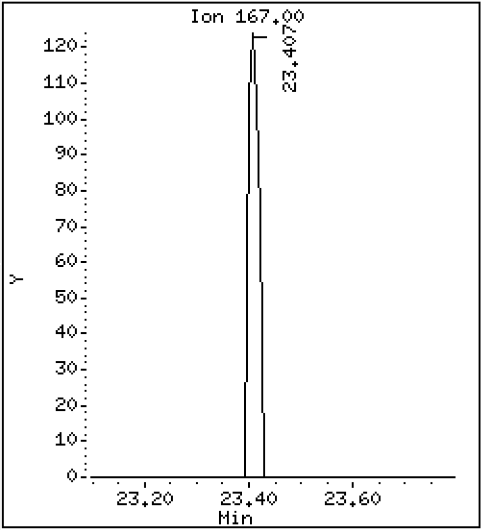
Column phase: ZB-5msi Column diameter: 0.25

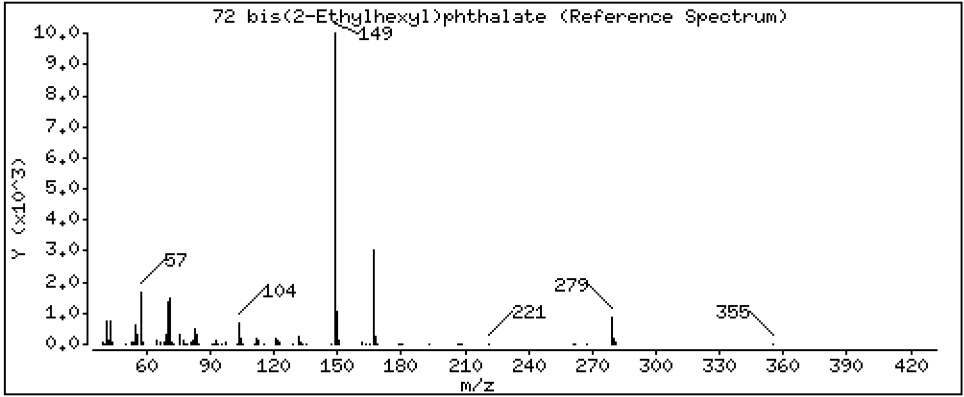
72 bis(2-Ethylhexyl)phthalate Concentration: 0.01128 ug/mL

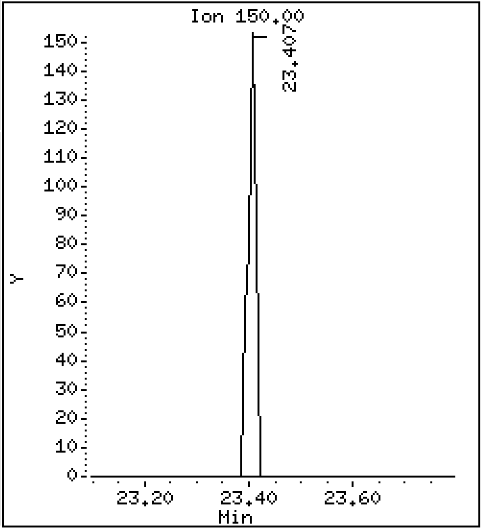


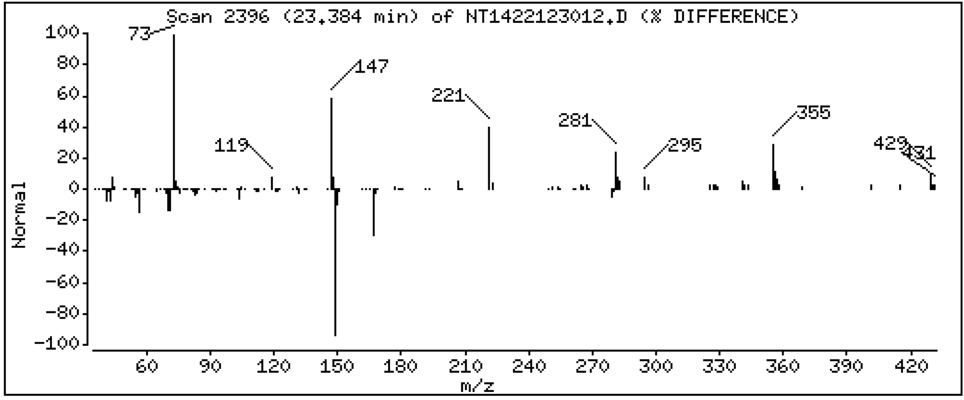












Data File: \\target\share\chem3\nt14.i\20221230.b\NT1422123012.D

Date : 30-DEC-2022 14:08

Client ID:

Instrument: nt14.i

Sample Info: SKL0355-ICB1

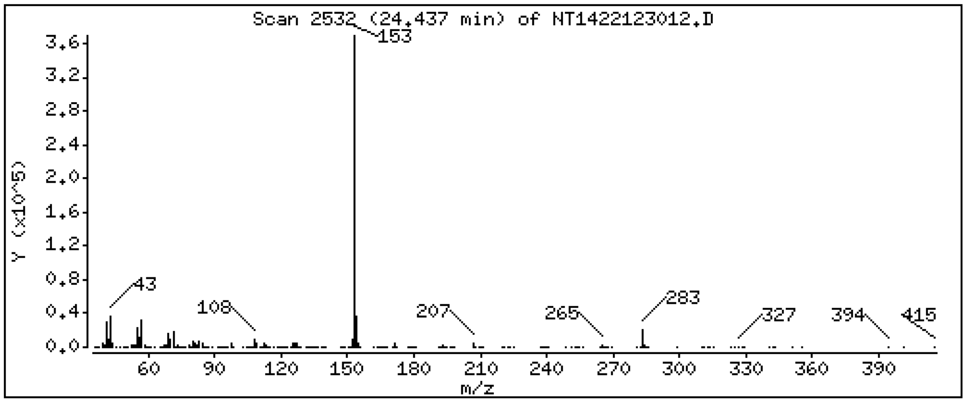
Operator: VTS

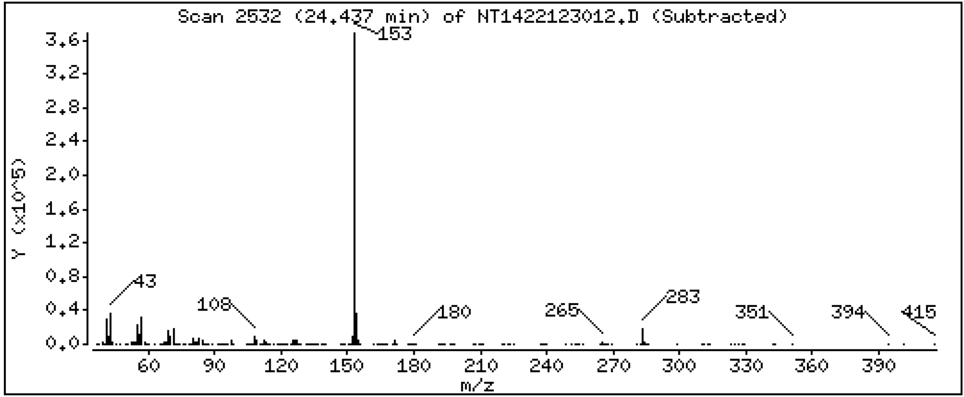
Column phase: ZB-5msi

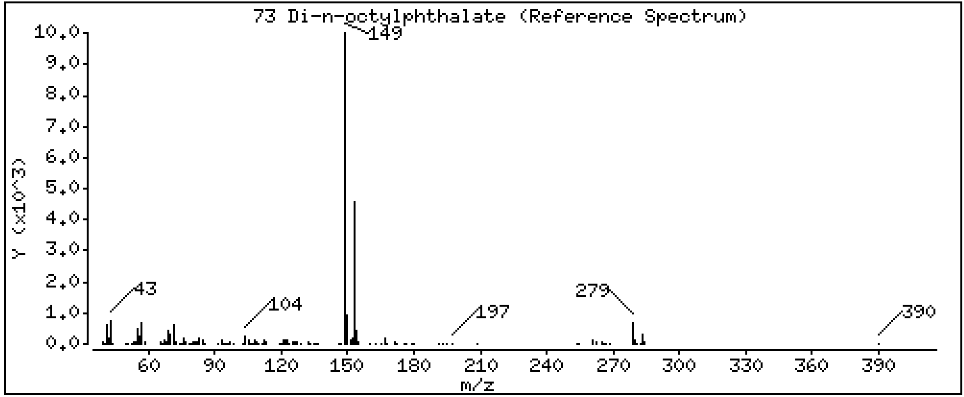
Column diameter: 0.25

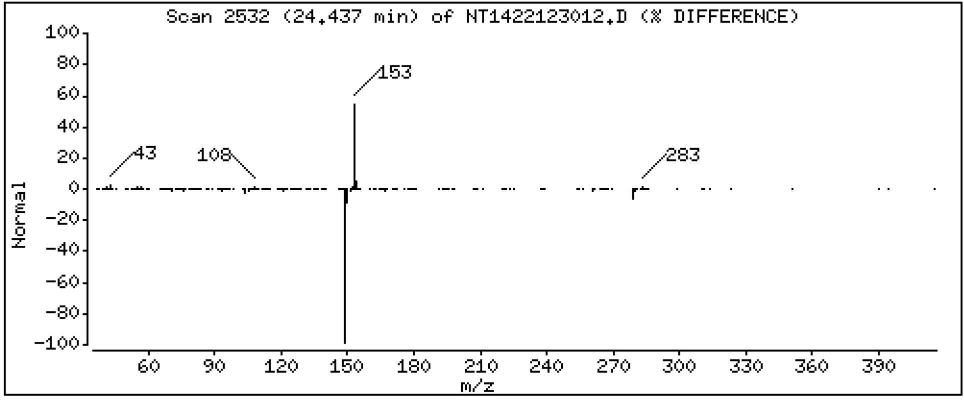
73 Di-n-octylphthalate

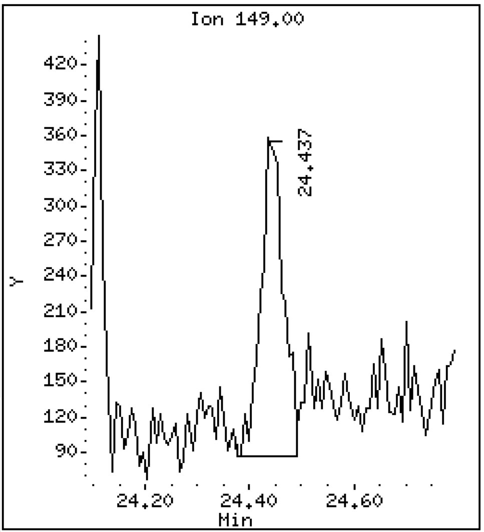
Concentration: 0.006180 ug/mL

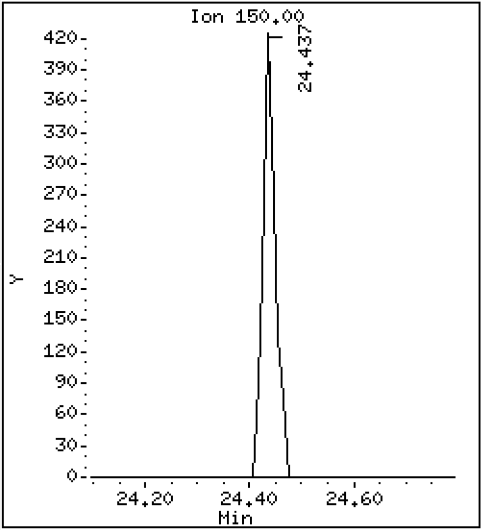

Scan 2532 (24.437 min) of NT1422123012.D

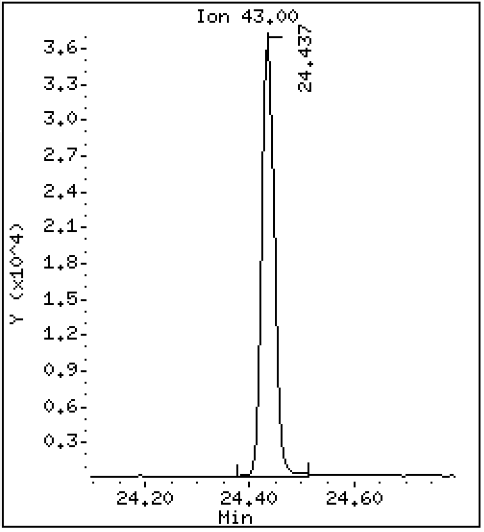

Scan 2532 (24.437 min) of NT1422123012.D (Subtracted)


73 Di-n-octylphthalate (Reference Spectrum)


Scan 2532 (24.437 min) of NT1422123012.D (% DIFFERENCE)


Ion 149.00


Ion 150.00


Ion 43.00

Data File: \\target\share\chem3\nt14.i\20221230.b\NT1422123012.D

Date : 30-DEC-2022 14:08

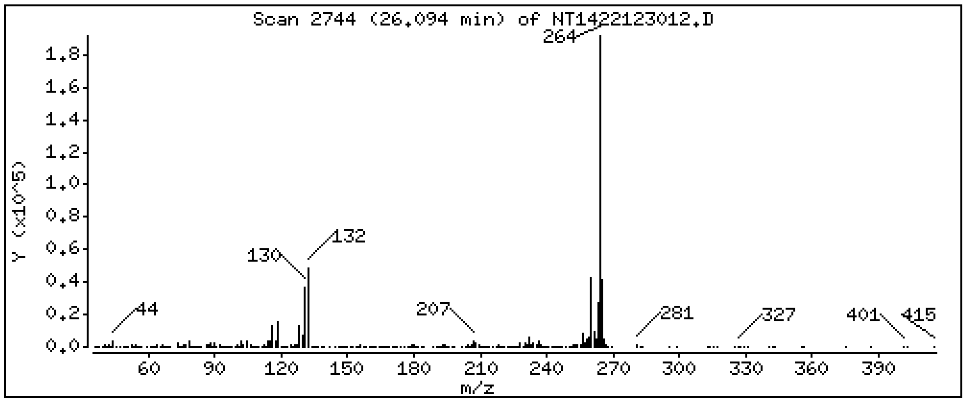
Client ID: Instrument: nt14.i

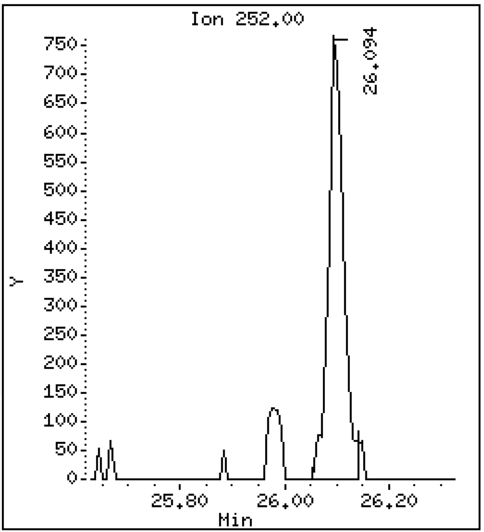
Sample Info: SKL0355-ICB1

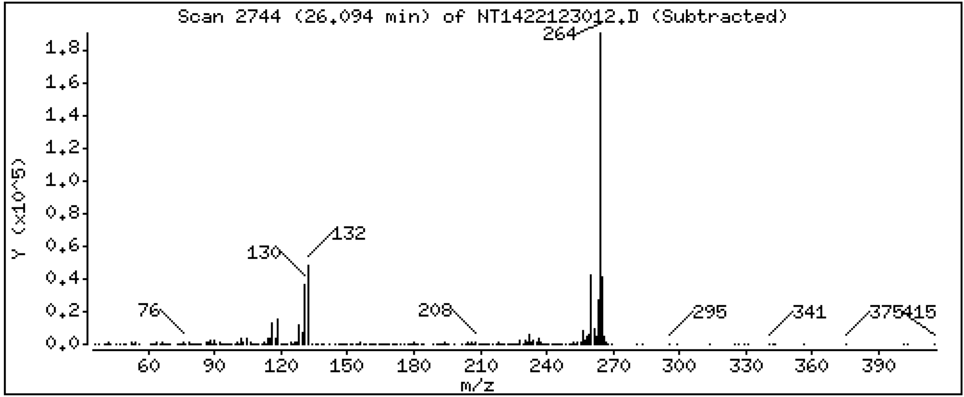
Operator: VTS

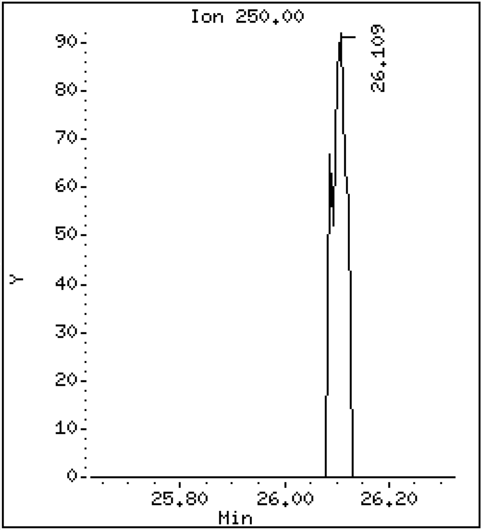
Column phase: ZB-5msi Column diameter: 0.25

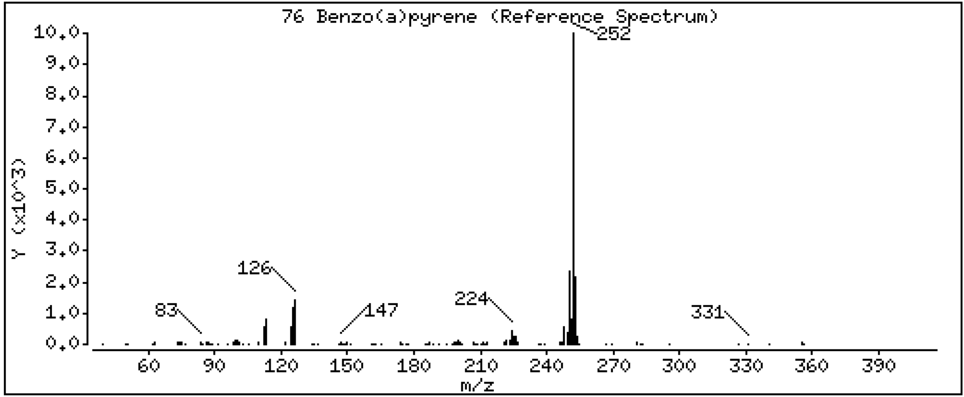
76 Benzo(a)pyrene Concentration: 0.01457 ug/mL

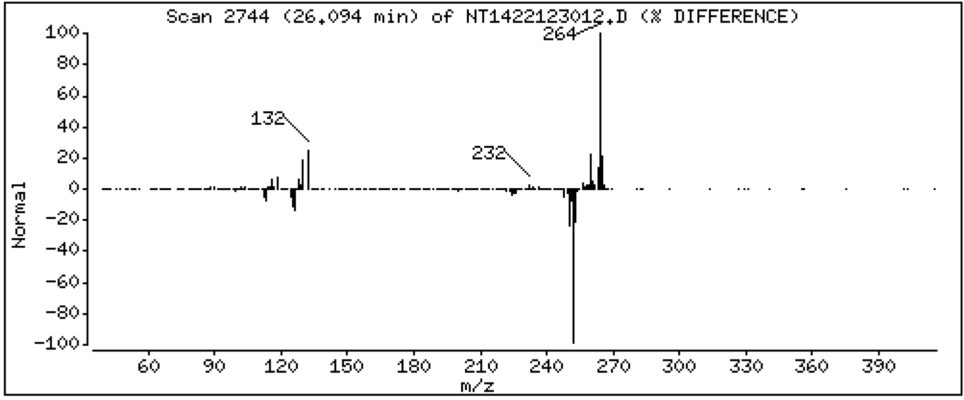

Scan 2744 (26.094 min) of NT1422123012.D

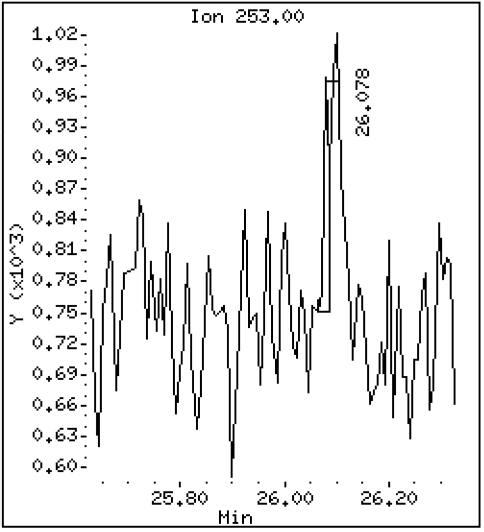

Ion 252.00


Scan 2744 (26.094 min) of NT1422123012.D (Subtracted)


Ion 250.00


76 Benzo(a)pyrene (Reference Spectrum)


Scan 2744 (26.094 min) of NT1422123012.D (% DIFFERENCE)


Ion 253.00

Data File: \\target\share\chem3\nt14.i\20221230.b\NT1422123012.D

Date : 30-DEC-2022 14:08

Client ID:

Instrument: nt14.i

Sample Info: SKL0355-ICB1

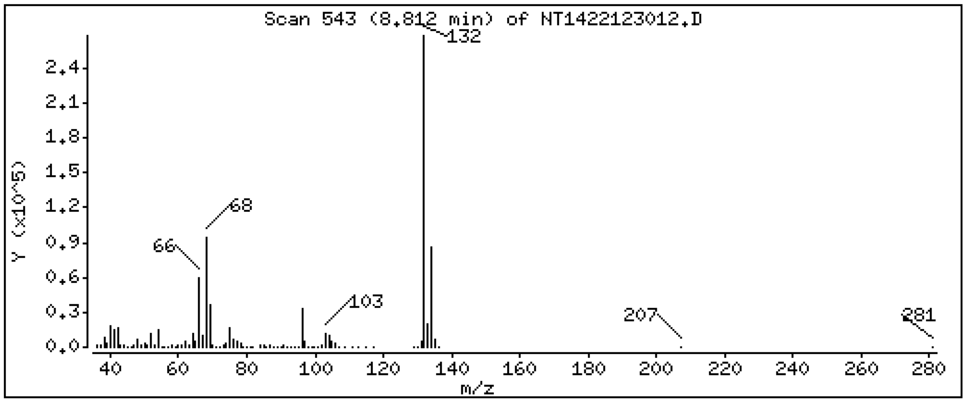
Operator: VTS

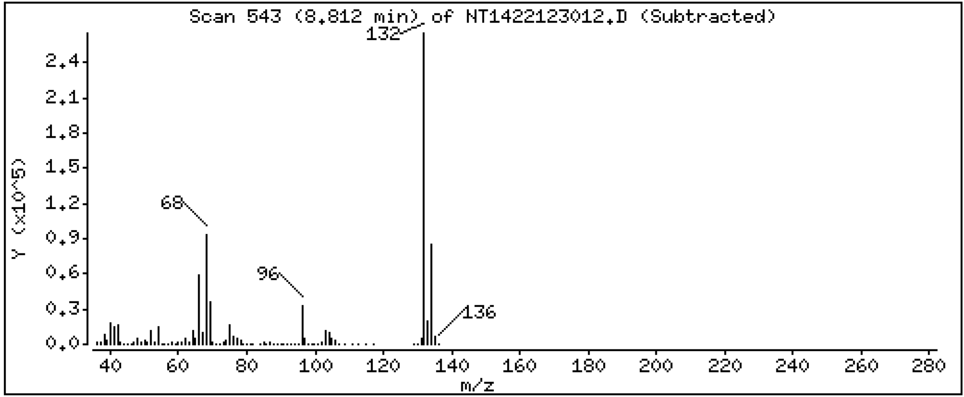
Column phase: ZB-5msi

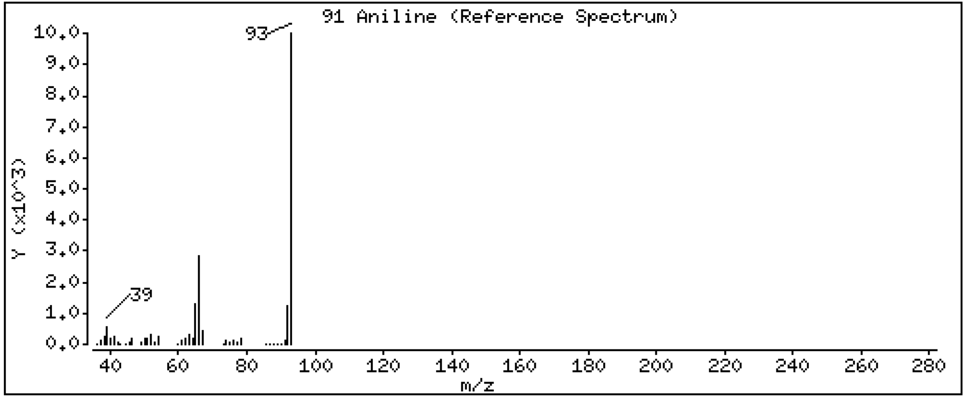
Column diameter: 0.25

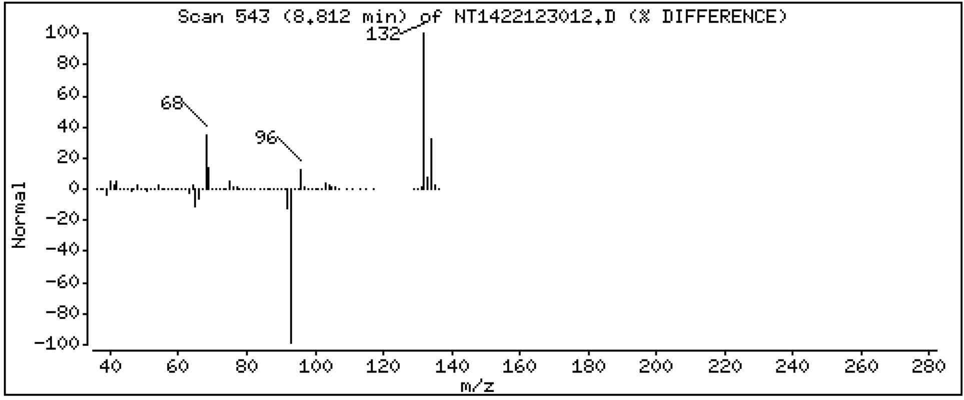
91 Aniline

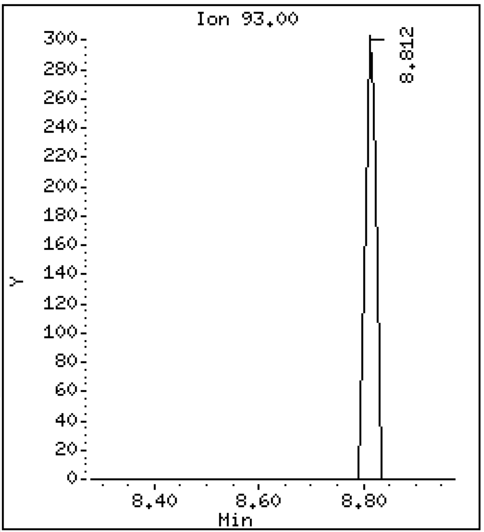
Concentration: 0.005926 ug/mL

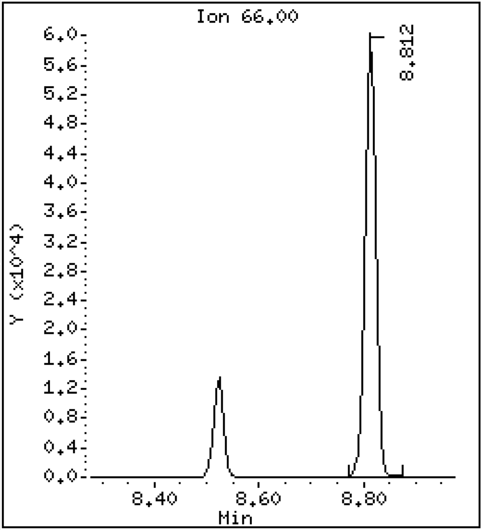

Scan 543 (8.812 min) of NT1422123012.D

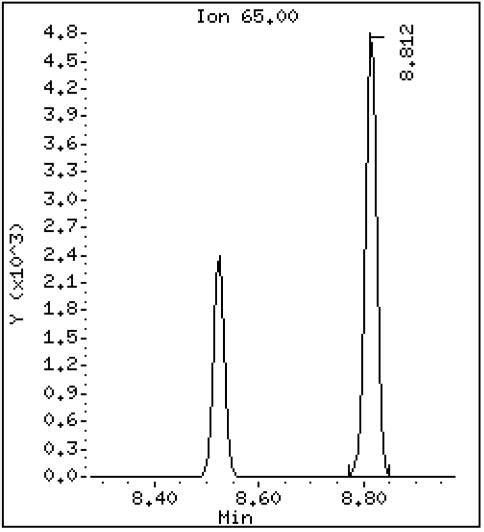

Scan 543 (8.812 min) of NT1422123012.D (Subtracted)


91 Aniline (Reference Spectrum)


Scan 543 (8.812 min) of NT1422123012.D (% DIFFERENCE)


Ion 93.00


Ion 66.00


Ion 65.00

Data File: \\target\share\chem3\nt14.i\20221230.b\NT1422123012.D

Date : 30-DEC-2022 14:08

Client ID:

Instrument: nt14.i

Sample Info: SKL0355-ICB1

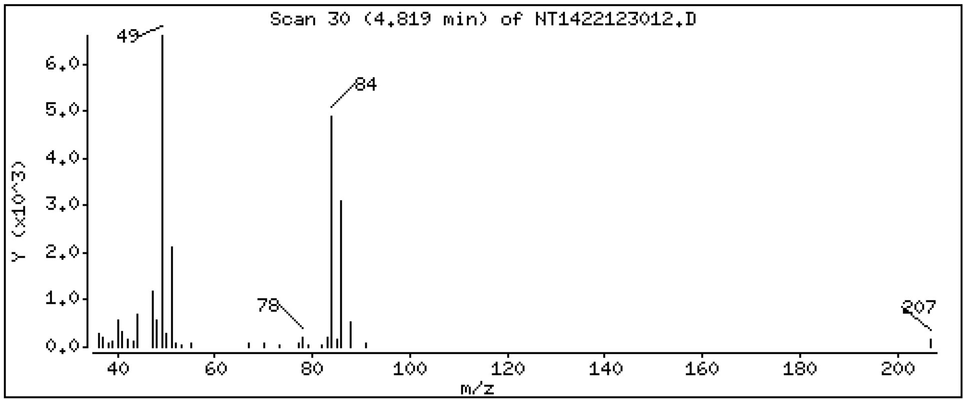
Operator: VTS

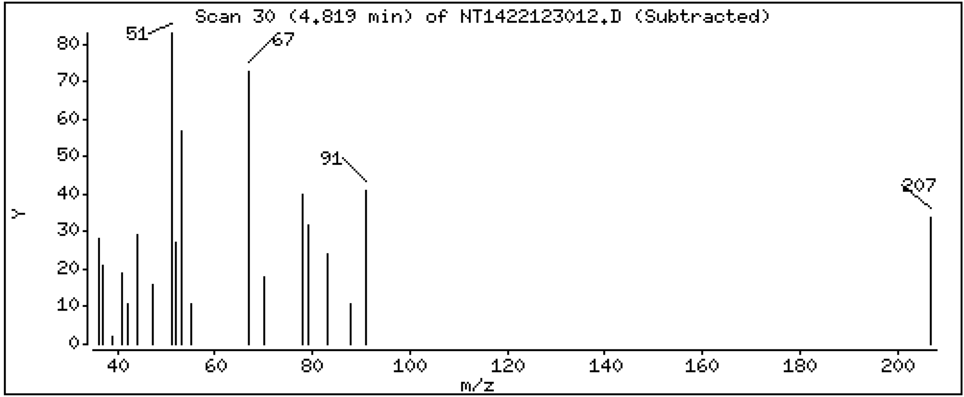
Column phase: ZB-5msi

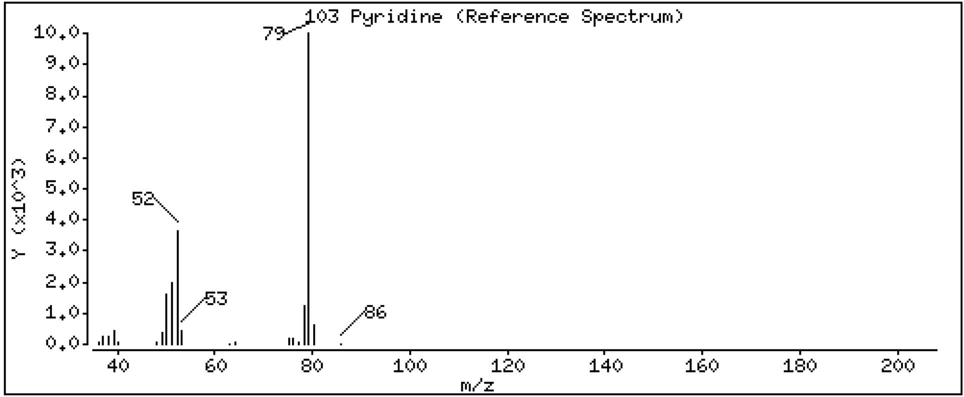
Column diameter: 0.25

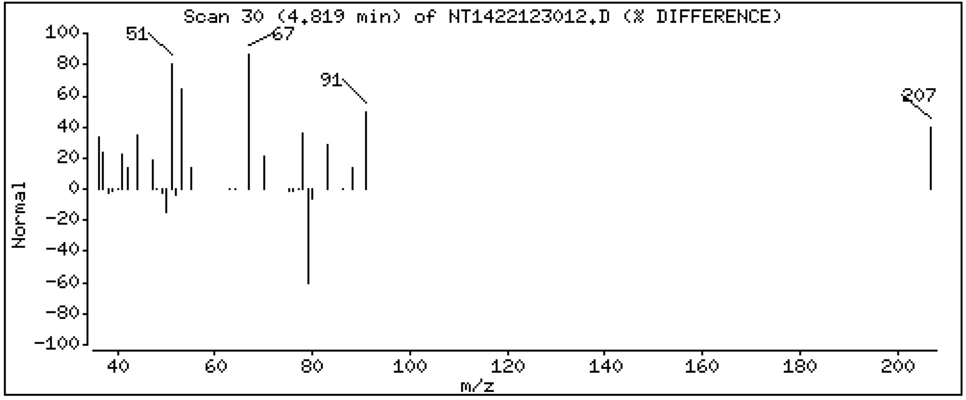
103 Pyridine

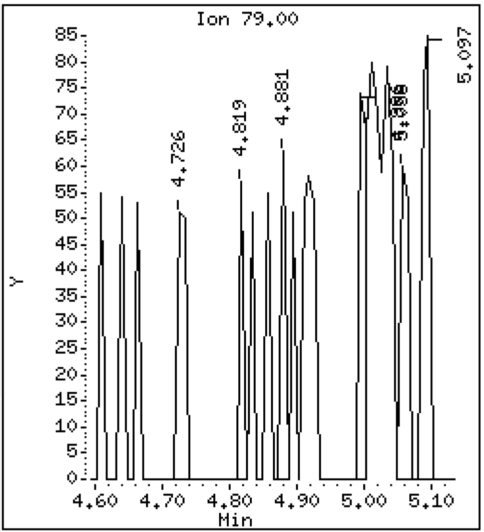
Concentration: 0.0002125 ug/mL

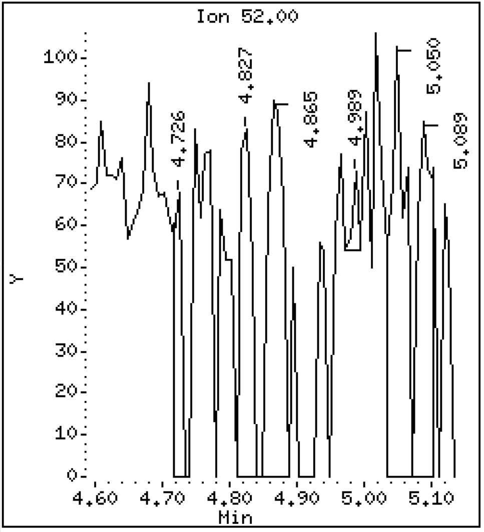

Scan 30 (4.819 min) of NT1422123012.D


Scan 30 (4.819 min) of NT1422123012.D (Subtracted)


103 Pyridine (Reference Spectrum)


Scan 30 (4.819 min) of NT1422123012.D (% DIFFERENCE)


Ion 79.00


Ion 52.00

Data File: \\target\share\chem3\nt14.i\20221230.b\NT1422123012.D

Date : 30-DEC-2022 14:08

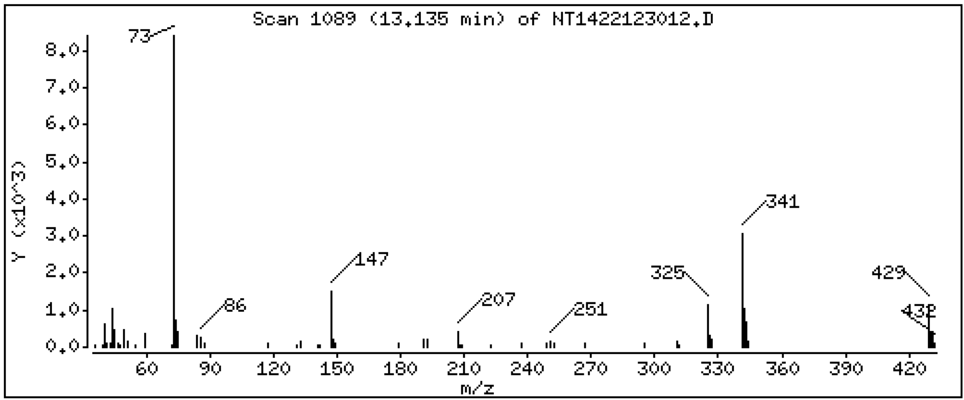
Client ID: Instrument: nt14.i

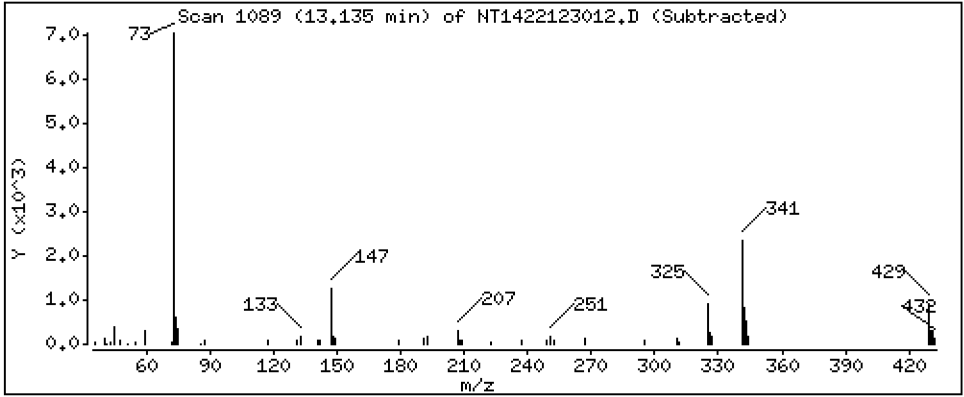
Sample Info: SKL0355-ICB1

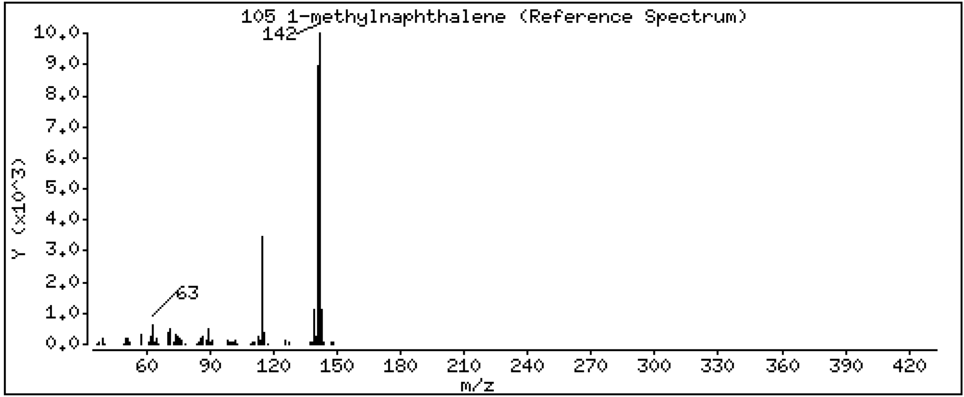
Operator: VTS

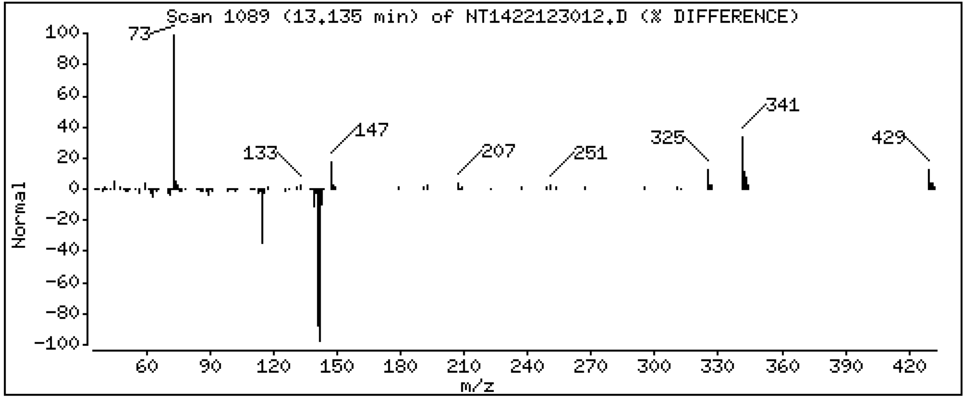
Column phase: ZB-5msi Column diameter: 0.25

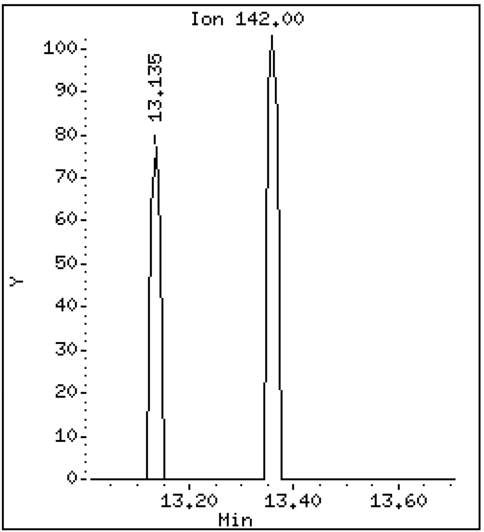
105 1-methylnaphthalene Concentration: 0.0008083 ug/mL

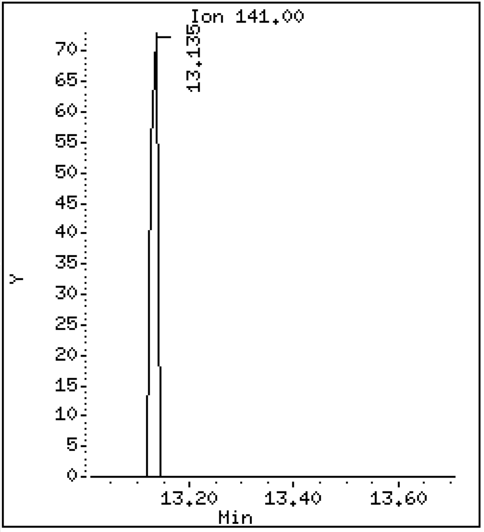

Scan 1089 (13.135 min) of NT1422123012.D


Scan 1089 (13.135 min) of NT1422123012.D (Subtracted)


105 1-methylnaphthalene (Reference Spectrum)


Scan 1089 (13.135 min) of NT1422123012.D (% DIFFERENCE)


Ion 142.00


Ion 141.00

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                                  ARI Labs, Inc.

                       Semivolatile Report SW846 Method 8270D
Data file : \\target\share\chem3\nt14.i\20221230.b\NT1422123012.D
Lab Smp Id: SKL0355-ICB1
Inj Date  : 30-DEC-2022 14:08            MS Autotune Date: 17-MAY-2011 01:22
Operator  : VTS                          Inst ID: nt14.i
Smp Info  : SKL0355-ICB1
Misc Info :
Comment   : 1ul Injection
Method    : \\target\share\chem3\nt14.i\20221230.b\ABN.m
Meth Date : 31-Dec-2022 11:40 van        Quant Type: ISTD
Cal Date  : 30-DEC-2022 11:07            Cal File: NT1422123007.D
Als bottle: 12
Dil Factor: 1.00000
Integrator: HP RTE                       Compound Sublist: ICAL.sub
Target Version:  4.14
Processing Host: VANS-201906


                                                                             CONCENTRATIONS
                                  QUANT SIG                                ON-COLUMN    FINAL
Compounds                           MASS          RT   EXP RT   REL RT  RESPONSE    (ug/mL)    (ug/mL)
==========================          ====        ==== ======== ======== ========    =======    =======
$   1 2-Fluorophenol                 112         6.934    6.935 (0.755)    370869    6.63357      6.634
$   2 Phenol-d5                       99         8.526    8.526 (0.928)    467490    6.76620      6.766
    3 Phenol                          94         8.541    8.542 (0.930)       202    0.00257   0.002573
$   5 2-Chlorophenol-d4              132         8.812    8.812 (0.960)    403584    6.95517      6.955
    4 Bis(2-Chloroethyl)ether         93         8.812    8.720 (0.960)       453    0.00838   0.008376
    6 2-Chlorophenol                 128            Compound Not Detected.
    7 1,3-Dichlorobenzene            146            Compound Not Detected.
*   8 1,4-Dichlorobenzene-d4         152         9.183    9.184 (1.000)    174509    4.00000
    9 1,4-Dichlorobenzene            146            Compound Not Detected.
$  10 1,2-Dichlorobenzene-d4         152         9.548    9.548 (1.040)    176910    4.46069      4.461
   12 1,2-Dichlorobenzene            146            Compound Not Detected.
   11 Benzyl alcohol                 108         9.548    9.448 (1.040)      1528    0.04372    0.04372
   14 2,2'-oxybis(1-Chloropropane)   121            Compound Not Detected.
   13 2-Methylphenol                 108            Compound Not Detected.
   17 Hexachloroethane               117            Compound Not Detected.
   16 N-Nitroso-di-n-propylamine      70        10.278   10.014 (1.119)     31797    0.91498     0.9150
   15 4-Methylphenol                 108            Compound Not Detected.
$  18 Nitrobenzene-d5                 82        10.278   10.278 (0.879)    248621    4.58647      4.586
   19 Nitrobenzene                    77            Compound Not Detected.
   20 Isophorone                      82            Compound Not Detected.
   21 2-Nitrophenol                  139            Compound Not Detected.
   22 2,4-Dimethylphenol             107            Compound Not Detected.
   23 Bis(2-Chloroethoxy)methane      93            Compound Not Detected.
   24 Benzoic acid                   105            Compound Not Detected.
   25 2,4-Dichlorophenol             162            Compound Not Detected.
   26 1,2,4-Trichlorobenzene         180            Compound Not Detected.
*  27 Naphthalene-d8                 136        11.688   11.689 (1.000)    641934    4.00000
   28 Naphthalene                    128        11.735   11.728 (1.004)       211    0.00134   0.001336
   29 4-Chloroaniline                127            Compound Not Detected.
   30 Hexachlorobutadiene            225            Compound Not Detected.
   31 4-Chloro-3-methylphenol        107            Compound Not Detected.
   32 2-Methylnaphthalene            142        13.135   13.135 (1.124)        90     8e-004  0.0007767
   33 Hexachlorocyclopentadiene      237            Compound Not Detected.
```

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                                                                                           CONCENTRATIONS
                                      QUANT SIG                                         ON-COLUMN    FINAL
Compounds                               MASS           RT   EXP RT   REL RT  RESPONSE    (ug/mL)    (ug/mL)
==========================              ====          ==== ======== ======== ========    =======    =======
   34 2,4,6-Trichlorophenol               196           Compound Not Detected.
   35 2,4,5-Trichlorophenol               196           Compound Not Detected.
$  36 2-Fluorobiphenyl                   172        13.916  13.917 (0.908)     519279    4.60432      4.604
   37 2-Chloronaphthalene                 162           Compound Not Detected.
   38 2-Nitroaniline                       65           Compound Not Detected.
   39 Dimethylphthalate                   163           Compound Not Detected.
   40 Acenaphthylene                      152           Compound Not Detected.
   41 2,6-Dinitrotoluene                  165           Compound Not Detected.
*  42 Acenaphthene-d10                   164        15.325  15.325 (1.000)     335436    4.00000
   43 3-Nitroaniline                      138           Compound Not Detected.
   44 Acenaphthene                        153           Compound Not Detected.
   45 2,4-Dinitrophenol                   184           Compound Not Detected.
   46 Dibenzofuran                        168           Compound Not Detected.
   47 4-Nitrophenol                       109           Compound Not Detected.
   48 2,4-Dinitrotoluene                  165           Compound Not Detected.
   50 Diethylphthalate                    149           Compound Not Detected.
   49 Fluorene                           166        16.438  16.431 (1.073)        191    0.00132   0.001319
   51 4-Chlorophenyl-phenylether          204           Compound Not Detected.
   52 4-Nitroaniline                      138           Compound Not Detected.
   53 4,6-Dinitro-2-methylphenol          198           Compound Not Detected.
   54 N-Nitrosodiphenylamine             169        16.962  16.670 (0.923)       3405    0.03543    0.03543
$  55 2,4,6-Tribromophenol               330        16.962  16.963 (1.107)      92025    5.68327      5.683
   56 4-Bromophenyl-phenylether           248           Compound Not Detected.
   57 Hexachlorobenzene                   284           Compound Not Detected.
   58 Pentachlorophenol                   266           Compound Not Detected.
*  59 Phenanthrene-d10                   188        18.369  18.369 (1.000)     560033    4.00000
   60 Phenanthrene                        178           Compound Not Detected.
   61 Anthracene                          178           Compound Not Detected.
   62 Carbazole                           167           Compound Not Detected.
   63 Di-n-butylphthalate                 149           Compound Not Detected.
   64 Fluoranthene                        202           Compound Not Detected.
   65 Pyrene                             202        21.502  21.224 (0.919)       1588    0.01055    0.01055
$  66 Terphenyl-d14                      244        21.502  21.503 (0.919)     509644    4.77642      4.776
   67 Butylbenzylphthalate                149           Compound Not Detected.
   68 Benzo(a)anthracene                  228           Compound Not Detected.
*  69 Chrysene-d12                       240        23.407  23.407 (1.000)     444498    4.00000
   70 3,3'-Dichlorobenzidine              252           Compound Not Detected.
   71 Chrysene                            228           Compound Not Detected.
   72 bis(2-Ethylhexyl)phthalate         149        23.384  23.446 (0.957)        678    0.01128    0.01128
* 134 Di-n-octylphthalate-d4             153        24.436  24.437 (1.000)     541261    4.00000
   73 Di-n-octylphthalate                149        24.436  24.445 (1.000)        803    0.00618   0.006180
   74 Benzo(b)fluoranthene                252           Compound Not Detected.
   75 Benzo(k)fluoranthene                252           Compound Not Detected.
   76 Benzo(a)pyrene                     252        26.093  25.978 (1.000)       1610    0.01457    0.01457
*  77 Perylene-d12                       264        26.101  26.102 (1.000)     423100    4.00000
   78 Indeno(1,2,3-cd)pyrene              276           Compound Not Detected.
   79 Dibenzo(a,h)anthracene              278           Compound Not Detected.
   80 Benzo(g,h,i)perylene                276           Compound Not Detected.
   90 N-Nitrosodimethylamine               74           Compound Not Detected.
   91 Aniline                             93         8.812   8.627 (0.960)        453    0.00593   0.005926
   93 Benzidine                           184           Compound Not Detected.
  103 Pyridine                            79         4.818   4.788 (0.525)         26     2e-004  0.0002125
  105 1-methylnaphthalene                142        13.135  13.360 (1.124)         90     8e-004  0.0008083
  111 Azobenzene (1,2-DP-Hydrazine)        77           Compound Not Detected.
```

```
                                                                                              CONCENTRATIONS
                                      QUANT SIG                                           ON-COLUMN    FINAL
Compounds                               MASS           RT    EXP RT   REL RT  RESPONSE     (ug/mL)    (ug/mL)
==========================              ====          ==== ======== ======== ========     =======    =======
  187 Total Benzofluoranthenes            252           Compound Not Detected.
  120 2,3,4,6-Tetrachlorophenol           232           Compound Not Detected.
```

```
Data File: \\target\share\chem3\nt14.i\20221230.b\NT1422123012.D Page 1
Report Date: 31-Dec-2022 15:09

                                ARI Labs, Inc.

                          INTERNAL STANDARD COMPOUNDS
                              AREA AND RT SUMMARY

Instrument ID: nt14.i                          Calibration Date: 30-DEC-2022
Lab File ID: NT1422123012.D                    Calibration Time: 08:06
Lab Smp Id: SKL0355-ICB1
Analysis Type: SV                                    Level:
Quant Type: ISTD                               Sample Type:
Operator: VTS
Method File: \\target\share\chem3\nt14.i\20221230.b\ABN.m
Misc Info:

Test Mode:
           Use Last Continuing Calibrator.

|______________________|__________|____AREA LIMIT_______|__________|_______|
| COMPOUND             | STANDARD |  LOWER   |  UPPER   |  SAMPLE  | %DIFF |
|======================|==========|==========|==========|==========|=======|
|  8 1,4-Dichlorobenze |    151013|     75507|    302026|    174509|  15.56|
| 27 Naphthalene-d8    |    553510|    276755|   1107020|    641934|  15.98|
| 42 Acenaphthene-d10  |    305411|    152706|    610822|    335436|   9.83|
| 59 Phenanthrene-d10  |    491708|    245854|    983416|    560033|  13.90|
| 69 Chrysene-d12      |    424740|    212370|    849480|    444498|   4.65|
|134 Di-n-octylphthala |    684951|    342476|   1369902|    541261| -20.98|
| 77 Perylene-d12      |    395150|    197575|    790300|    423100|   7.07|
|______________________|__________|__________|__________|__________|_______|


|______________________|__________|_____RT LIMIT________|__________|_______|
| COMPOUND             | STANDARD |  LOWER   |  UPPER   |  SAMPLE  | %DIFF |
|======================|==========|==========|==========|==========|=======|
|  8 1,4-Dichlorobenze |      9.18|      8.68|      9.68|      9.18|  -0.00|
| 27 Naphthalene-d8    |     11.69|     11.19|     12.19|     11.69|  -0.00|
| 42 Acenaphthene-d10  |     15.33|     14.83|     15.83|     15.33|  -0.00|
| 59 Phenanthrene-d10  |     18.38|     17.88|     18.88|     18.37|  -0.04|
| 69 Chrysene-d12      |     23.42|     22.92|     23.92|     23.41|  -0.03|
|134 Di-n-octylphthala |     24.44|     23.94|     24.94|     24.44|  -0.00|
| 77 Perylene-d12      |     26.10|     25.60|     26.60|     26.10|  -0.00|
|______________________|__________|__________|__________|__________|_______|

AREA UPPER LIMIT = +100% of internal standard area.
AREA LOWER LIMIT = - 50% of internal standard area.
RT UPPER LIMIT = + 0.50 minutes of internal standard RT.
RT LOWER LIMIT = - 0.50 minutes of internal standard RT.
```

```
REVIEW SUMMARY FOR FILE - NT1422123012.D

Lab ID: SKL0355-ICB1
nt14.i,  20221230.b\ABN.m,    30-DEC-2022 14:08


     RT      CO-ELUTION COMPOUNDS
----------------------------------------------------------------------------
  13.135   1-methylnaphthalene and 2-Methylnaphthalene




Quant Method: ICAL




        RRT CHECK

   RRT    CCV RRT   DELTA    COMPOUND
 -------------------------------------

  0.960    0.949    0.0101   Bis(2-Chloroethyl)ether
  1.040    1.029    0.0110   Benzyl alcohol
  1.119    1.090    0.0287   N-Nitroso-di-n-propylamine
  0.923    0.907    0.0160   N-Nitrosodiphenylamine
  0.919    0.907    0.0119   Pyrene
  0.960    0.939    0.0202   Aniline
  1.124    1.143   -0.0192   1-methylnaphthalene

  RRT check based on Ccal File: NT1422123007.D


 On Column LOD for nt14.i, 20221230.b\ABN.m, ICAL.sub = 0.0000



 * Only compounds listed in the work order have been verified by the analyst *
```

LOW-CONCENTRATION
CALIBRATION VERIFICATION
EPA 8270E

Laboratory: Analytical Resources, LLC

Client: Anchor QEA, LLC

Calibration: FL00066

Sequence: SKL0355

SDG: 22L0307

Project: AOC4 UR Phase 3

Laboratory ID: SKL0355-LCV1

Standard ID: K011105

ANALYTE	EXPECTED (ug/mL)	FOUND (ug/mL)	% DRIFT	QC LIMIT
Phenol	0.20000	0.2	14.7	50.00
bis(2-chloroethyl) ether	0.20000	0.2	19.5	50.00
2-Chlorophenol	0.20000	0.2	17.8	50.00
1,3-Dichlorobenzene	0.20000	0.2	22.8	50.00
1,4-Dichlorobenzene	0.20000	0.2	24.3	50.00
1,2-Dichlorobenzene	0.20000	0.2	21.6	50.00
Benzyl Alcohol	0.20000	0.2	-18.9	50.00
2,2'-Oxybis(1-chloropropane)	0.20000	0.2	11.8	50.00
2-Methylphenol	0.20000	0.2	17.1	50.00
Hexachloroethane	0.20000	0.2	-12.3	50.00
N-Nitroso-di-n-Propylamine	0.20000	0.2	10.4	50.00
4-Methylphenol	0.20000	0.2	6.0	50.00
Nitrobenzene	0.20000	0.2	12.7	50.00
Isophorone	0.20000	0.2	-1.7	50.00
2-Nitrophenol	0.20000	0.2	1.4	50.00
2,4-Dimethylphenol	0.40000	0.5	13.9	50.00
Bis(2-Chloroethoxy)methane	0.20000	0.2	17.9	50.00
2,4-Dichlorophenol	0.40000	0.4	3.3	50.00
1,2,4-Trichlorobenzene	0.20000	0.2	21.1	50.00
Naphthalene	0.20000	0.2	18.9	50.00
Benzoic acid	0.80000	0.2	-78.2	50.00
4-Chloroaniline	0.40000	0.4	1.5	50.00
Hexachlorobutadiene	0.20000	0.2	11.2	50.00
4-Chloro-3-Methylphenol	0.40000	0.4	0.3	50.00
2-Methylnaphthalene	0.20000	0.2	11.5	50.00
Hexachlorocyclopentadiene	0.40000	0.02	-94.6	50.00
2,4,6-Trichlorophenol	0.40000	0.4	-6.3	50.00
2,4,5-Trichlorophenol	0.40000	0.4	7.9	50.00
2-Chloronaphthalene	0.20000	0.2	18.6	50.00

LOW-CONCENTRATION CALIBRATION VERIFICATION

EPA 8270E

Laboratory: Analytical Resources, LLC

Client: Anchor QEA, LLC

Calibration: FL00066

Sequence: SKL0355

SDG: 22L0307

Project: AOC4 UR Phase 3

Laboratory ID: SKL0355-LCV1

Standard ID: K011105

2-Nitroaniline	0.40000	0.4	-0.7	50.00
Acenaphthylene	0.20000	0.2	12.8	50.00
Dimethylphthalate	0.20000	0.2	11.6	50.00
2,6-Dinitrotoluene	0.40000	0.4	-12.1	50.00
Acenaphthene	0.20000	0.2	17.6	50.00
3-Nitroaniline	0.40000	0.3	-15.7	50.00
2,4-Dinitrophenol	0.80000	0.005	-99.3	50.00
Dibenzofuran	0.20000	0.2	20.2	50.00
4-Nitrophenol	0.40000	0.2	-40.6	50.00
2,4-Dinitrotoluene	0.40000	0.3	-24.5	50.00
Fluorene	0.20000	0.2	13.7	50.00
4-Chlorophenylphenyl ether	0.20000	0.2	6.9	50.00
Diethyl phthalate	0.20000	0.2	13.9	50.00
4-Nitroaniline	0.40000	0.3	-21.8	50.00
4,6-Dinitro-2-methylphenol	0.80000	0.2	-74.8	50.00
N-Nitrosodiphenylamine	0.20000	0.2	21.1	50.00
4-Bromophenyl phenyl ether	0.20000	0.2	13.7	50.00
Hexachlorobenzene	0.20000	0.2	14.5	50.00
Pentachlorophenol	0.40000	0.08	-80.8	50.00
Phenanthrene	0.20000	0.2	20.7	50.00
Anthracene	0.20000	0.2	9.1	50.00
Carbazole	0.20000	0.2	8.7	50.00
Di-n-Butylphthalate	0.20000	0.2	-4.7	50.00
Fluoranthene	0.20000	0.2	15.4	50.00
Pyrene	0.20000	0.2	10.6	50.00
Butylbenzylphthalate	0.20000	0.2	4.0	50.00
Benzo(a)anthracene	0.20000	0.2	20.8	50.00
3,3'-Dichlorobenzidine	0.60000	0.7	16.0	50.00
Chrysene	0.20000	0.2	20.7	50.00
bis(2-Ethylhexyl)phthalate	0.20000	0.2	9.3	50.00
Di-n-Octylphthalate	0.20000	0.2	21.0	50.00

LOW-CONCENTRATION CALIBRATION VERIFICATION

EPA 8270E

Laboratory: Analytical Resources, LLC
SDG: 22L0307
Client: Anchor QEA, LLC
Project: AOC4 UR Phase 3
Calibration: FL00066
Laboratory ID: SKL0355-LCV1
Sequence: SKL0355
Standard ID: K011105

Benzofluoranthenes, Total	0.40000	0.5	27.2	50.00
Benzo(a)pyrene	0.20000	0.2	20.8	50.00
Indeno(1,2,3-cd)pyrene	0.20000	0.1	-28.7	50.00
Dibenzo(a,h)anthracene	0.20000	0.1	-25.2	50.00
Benzo(g,h,i)perylene	0.20000	0.1	-38.5	50.00
1-Methylnaphthalene	0.20000	0.2	15.9	50.00
2-Fluorophenol	0.30000	0.344	14.8	50.00
Phenol-d5	0.30000	0.307	2.4	50.00
2-Chlorophenol-d4	0.30000	0.332	10.7	50.00
1,2-Dichlorobenzene-d4	0.20000	0.241	20.5	50.00
Nitrobenzene-d5	0.20000	0.214	7.0	50.00
2-Fluorobiphenyl	0.20000	0.223	11.6	50.00
2,4,6-Tribromophenol	0.30000	0.212	-29.4	50.00
p-Terphenyl-d14	0.20000	0.218	8.8	50.00

* Values outside of QC limits

Data File: \\target\share\chem3\nt14.i\20221230B.b\NT1422123051.D

Date : 31-DEC-2022 14:29

Client ID:

Sample Info: SKL0355-LCV1

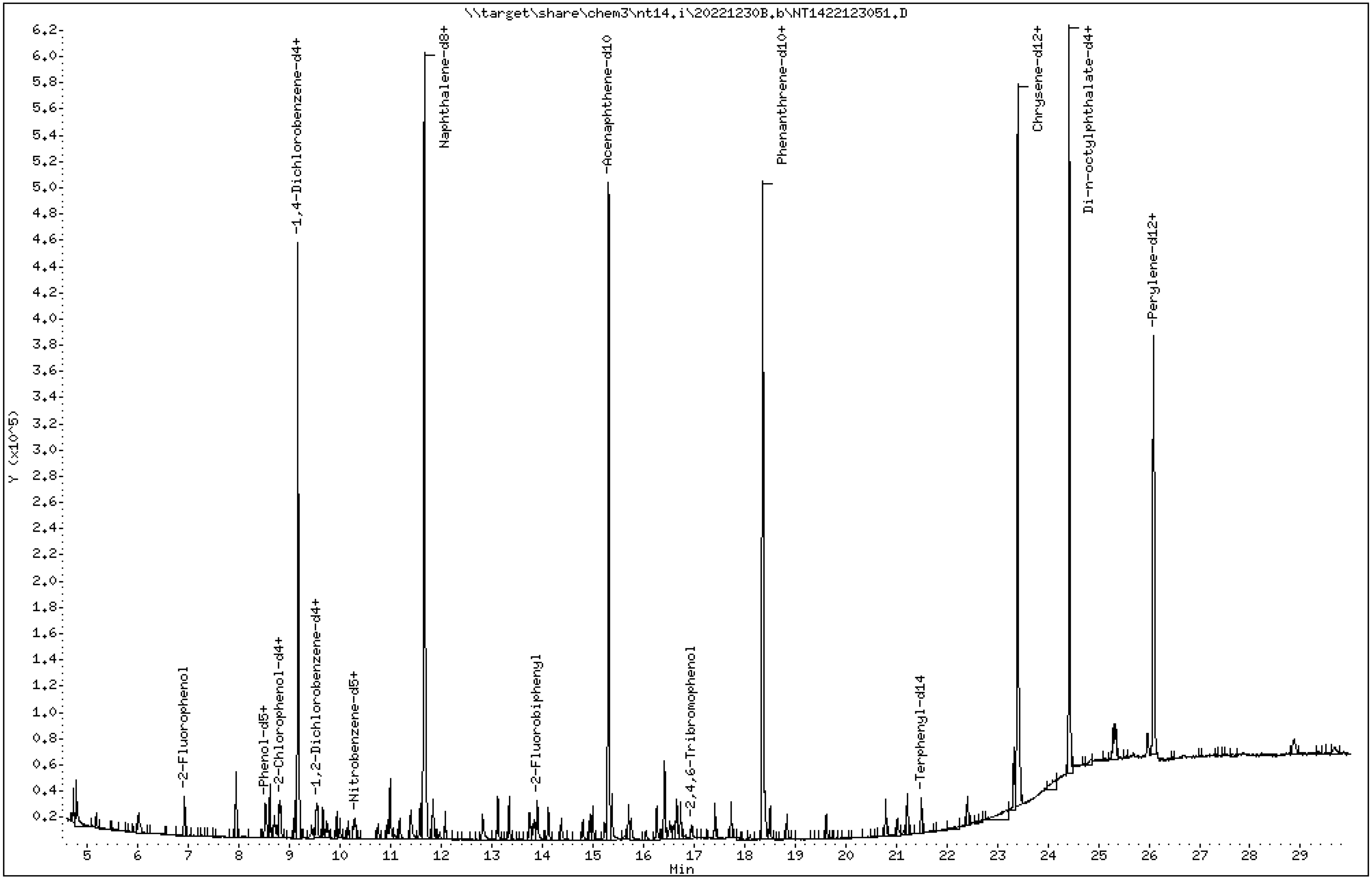
Column phase: ZB-5msi

Page 1

Instrument: nt14.i

Operator: VTS

Column diameter: 0.25



Data File: \\target\share\chem3\nt14.i\20221230B.b\NT1422123051.D

Date : 31-DEC-2022 14:29

Client ID:

Instrument: nt14.i

Sample Info: SKL0355-LCV1

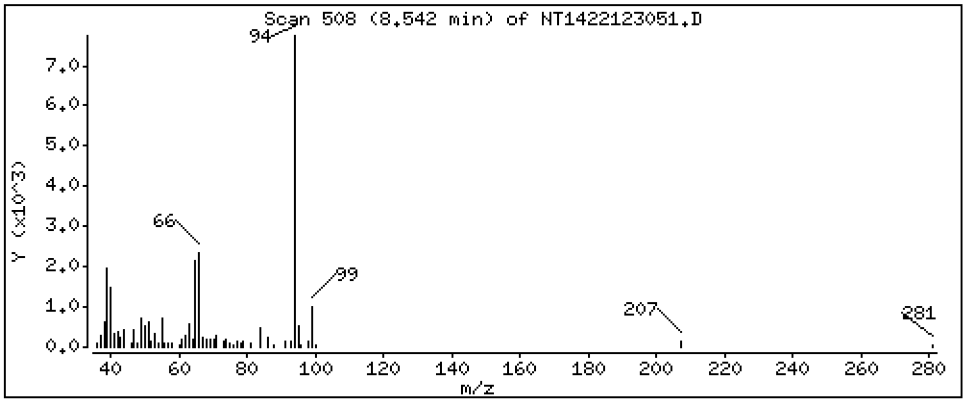
Operator: VTS

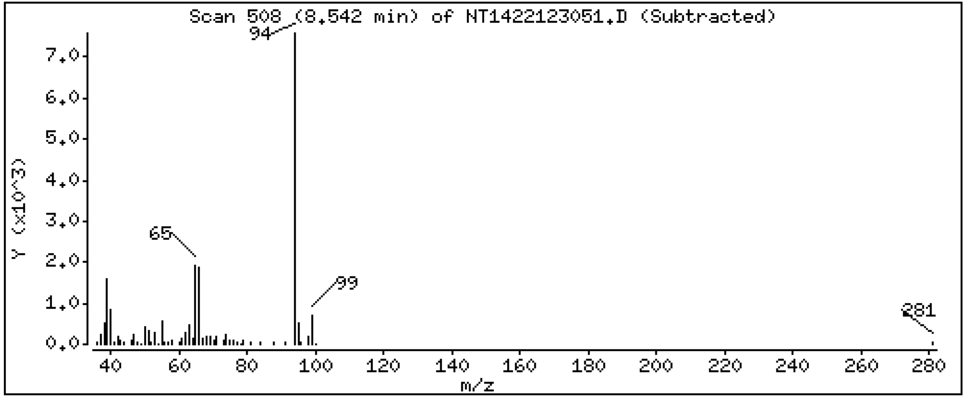
Column phase: ZB-5msi

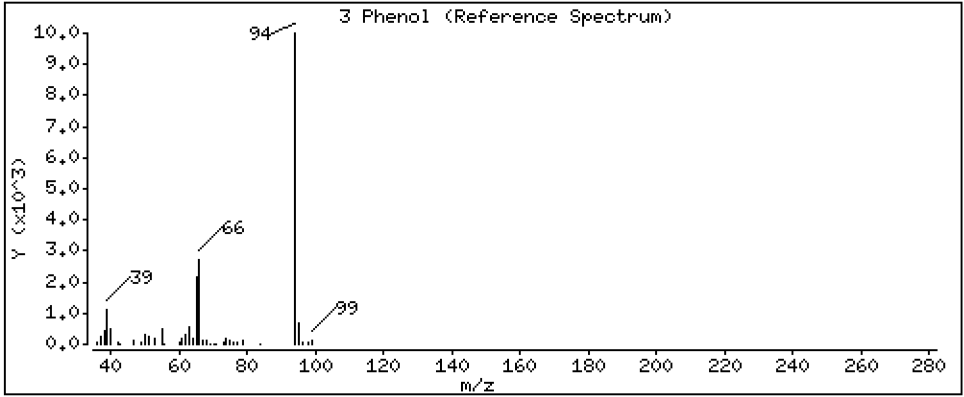
Column diameter: 0.25

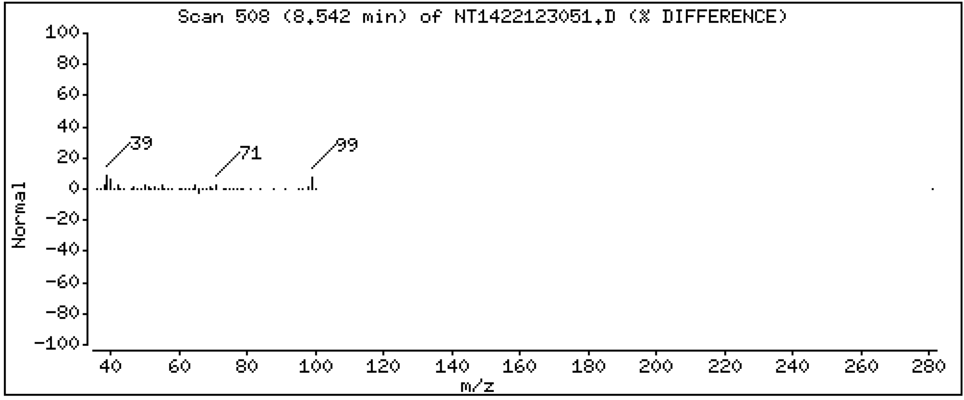
3 Phenol

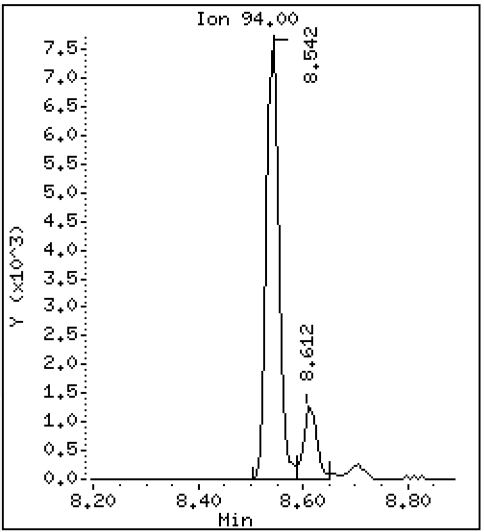
Concentration: 0.2294 ug/mL

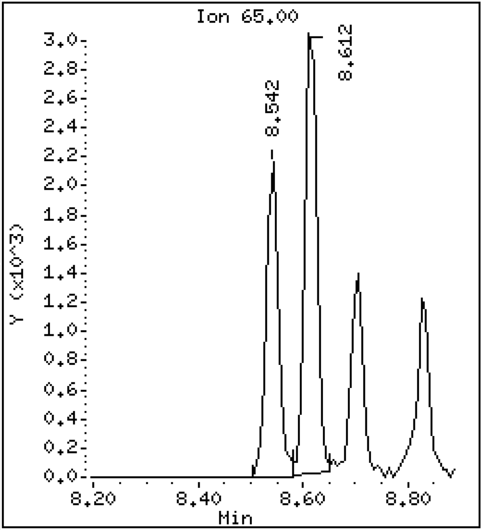

Scan 508 (8.542 min) of NT1422123051.D


Scan 508 (8.542 min) of NT1422123051.D (Subtracted)


3 Phenol (Reference Spectrum)


Scan 508 (8.542 min) of NT1422123051.D (% DIFFERENCE)


Ion 94.00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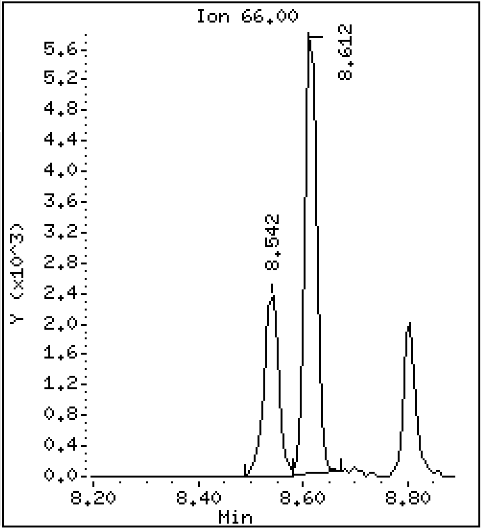

Ion 66.00

Data File: \\target\share\chem3\nt14.i\20221230B.b\NT1422123051.D

Date : 31-DEC-2022 14:29

Client ID:

Instrument: nt14.i

Sample Info: SKL0355-LCV1

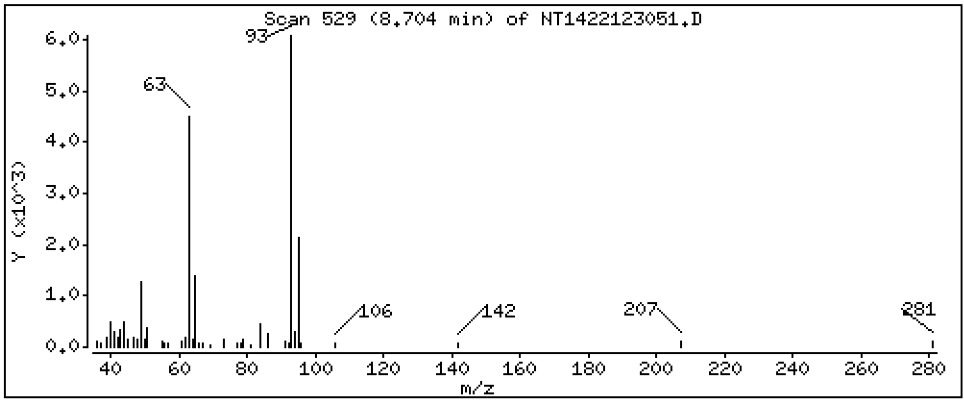
Operator: VTS

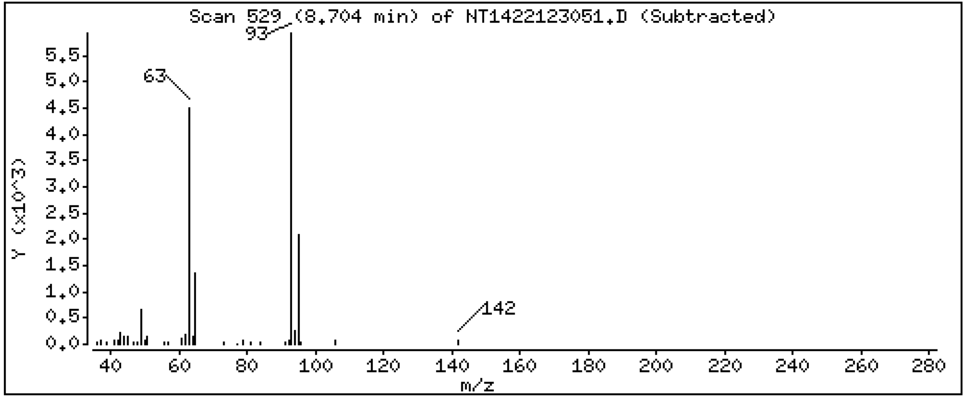
Column phase: ZB-5msi

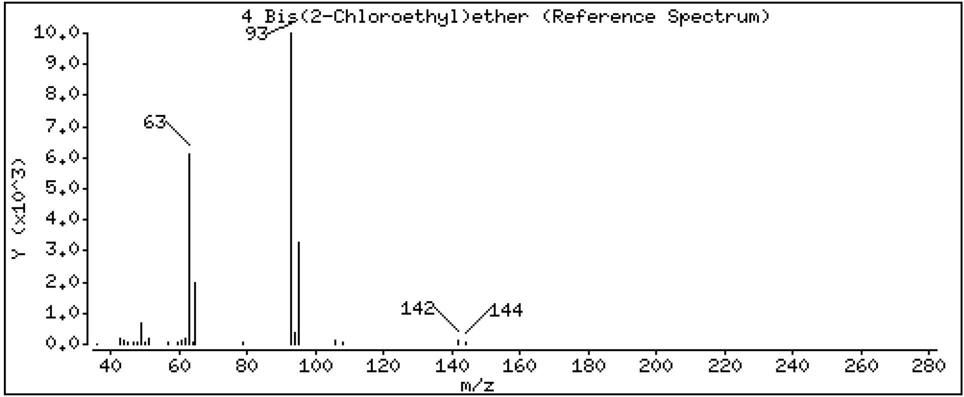
Column diameter: 0.25

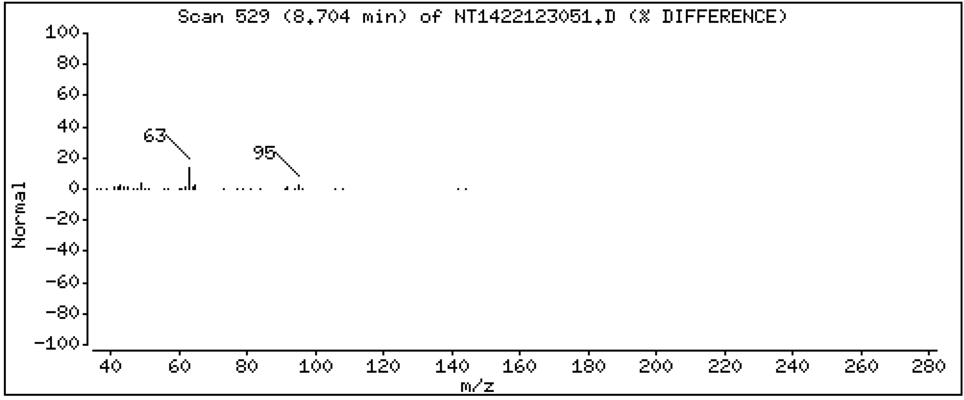
4 Bis(2-Chloroethyl)ether

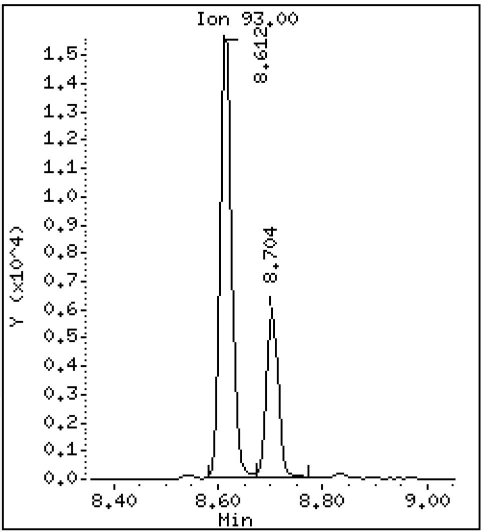
Concentration: 0.2390 ug/mL

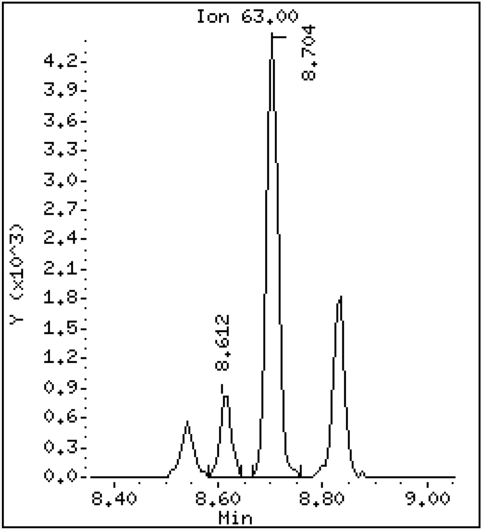

Scan 529 (8.704 min) of NT1422123051.D

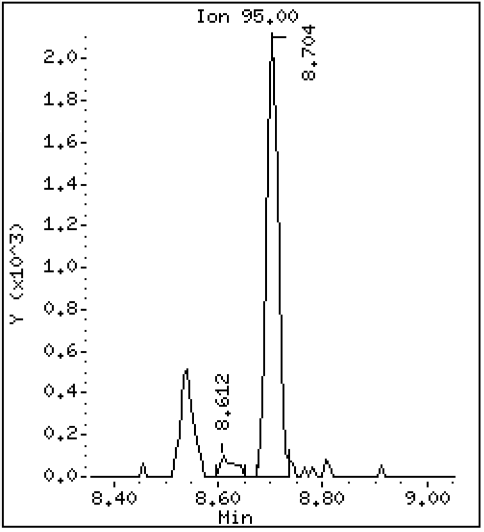

Scan 529 (8.704 min) of NT1422123051.D (Subtracted)


4 Bis(2-Chloroethyl)ether (Reference Spectrum)


Scan 529 (8.704 min) of NT1422123051.D (% DIFFERENCE)


Ion 93.00


Ion 63.00


Ion 95.00

Data File: \\target\share\chem3\nt14.i\20221230B.b\NT1422123051.D

Date : 31-DEC-2022 14:29

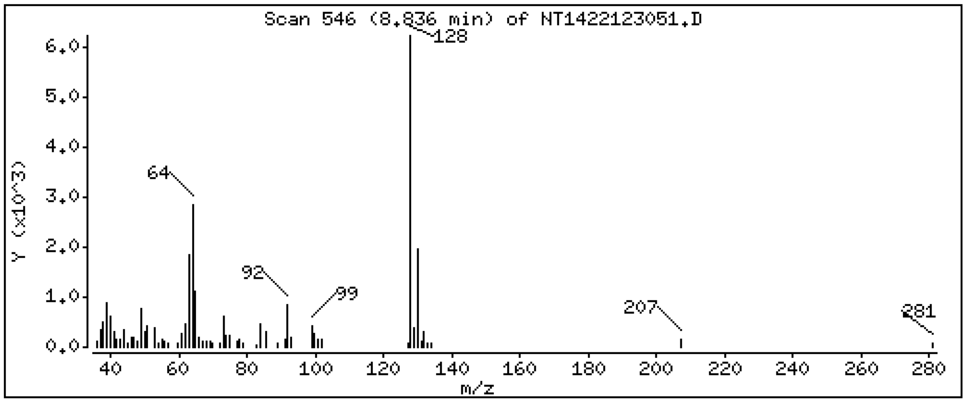
Client ID: Instrument: nt14.i

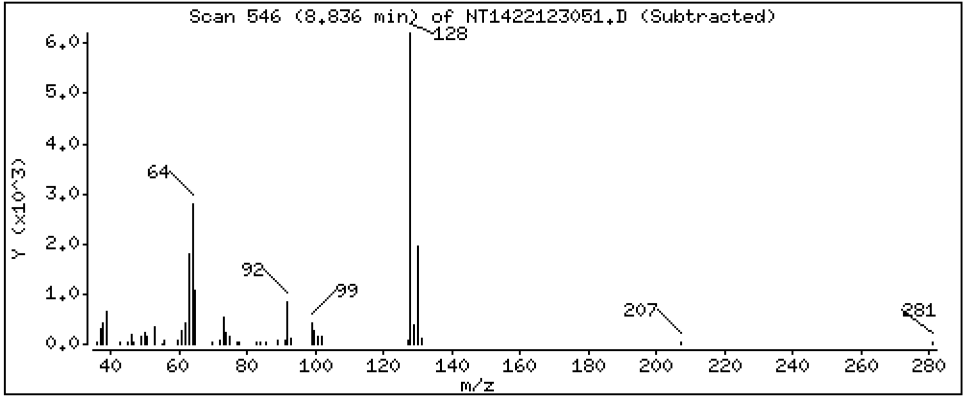
Sample Info: SKL0355-LCV1

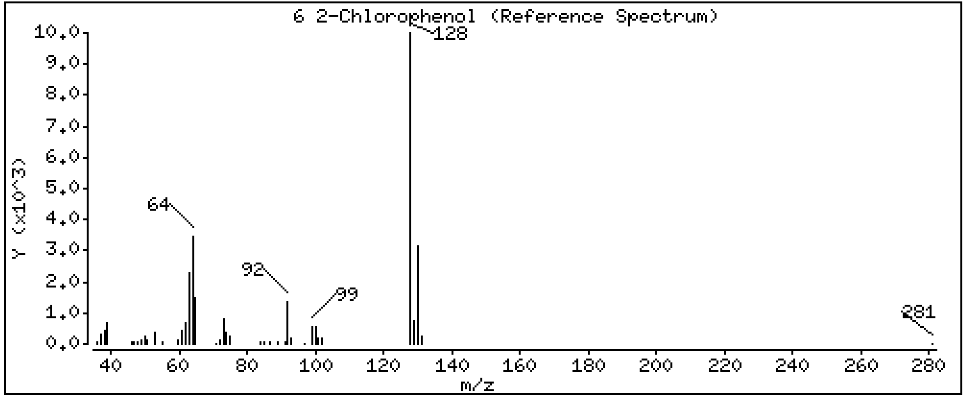
Operator: VTS

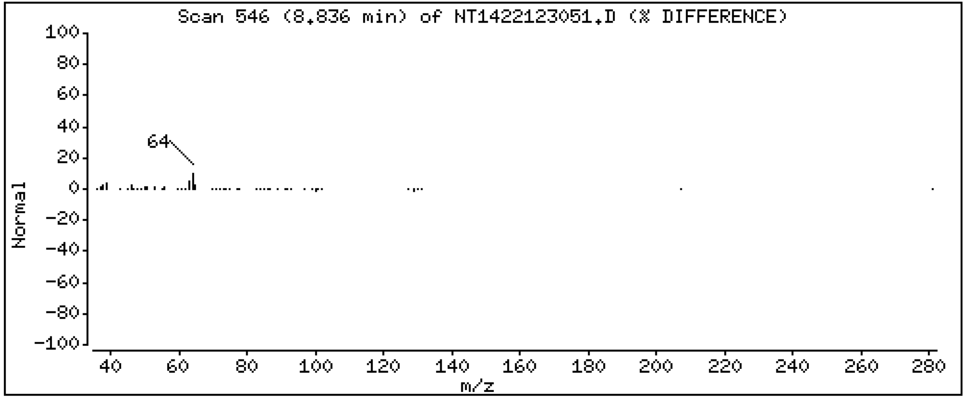
Column phase: ZB-5msi Column diameter: 0.25

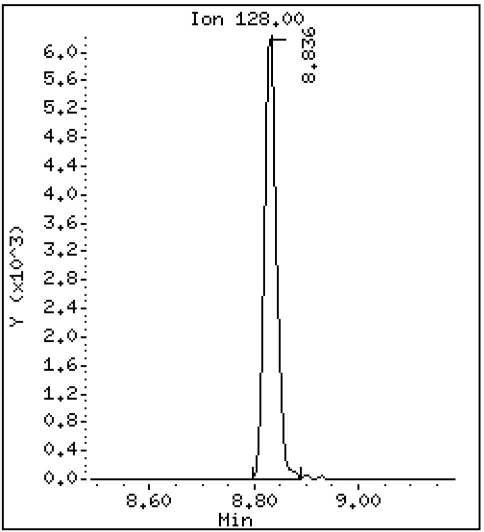
6 2-Chlorophenol Concentration: 0.2355 ug/mL

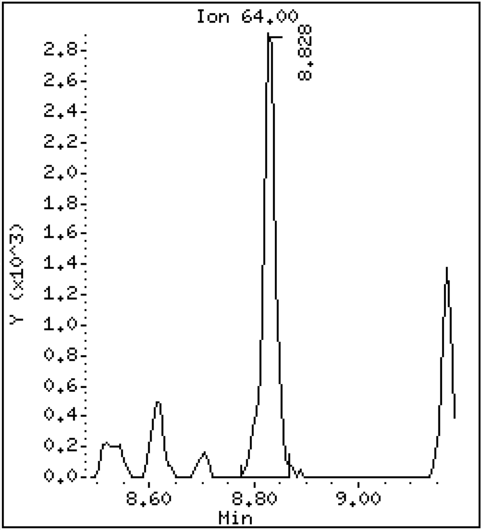

Scan 546 (8.836 min) of NT1422123051.D

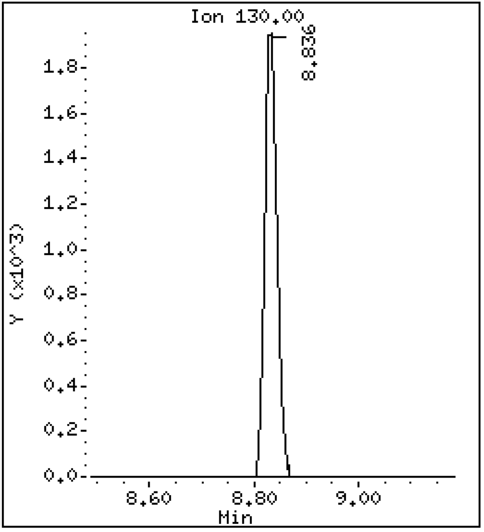

Scan 546 (8.836 min) of NT1422123051.D (Subtracted)


6 2-Chlorophenol (Reference Spectrum)


Scan 546 (8.836 min) of NT1422123051.D (% DIFFERENCE)


Ion 128.00


Ion 64.00


Ion 130.00

Data File: \\target\share\chem3\nt14.i\20221230B.b\NT1422123051.D

Date : 31-DEC-2022 14:29

Client ID:

Instrument: nt14.i

Sample Info: SKL0355-LCV1

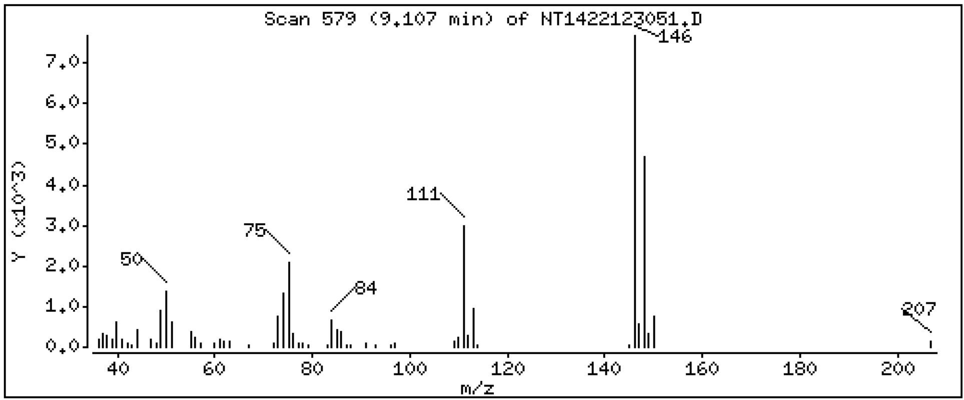
Operator: VTS

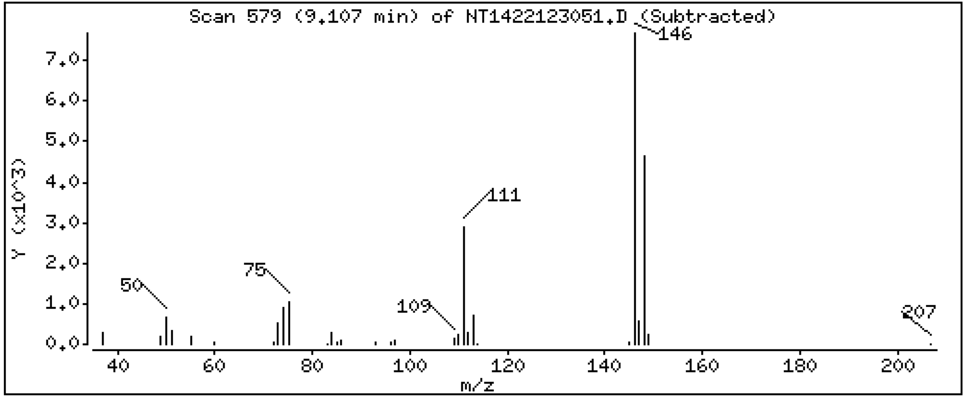
Column phase: ZB-5msi

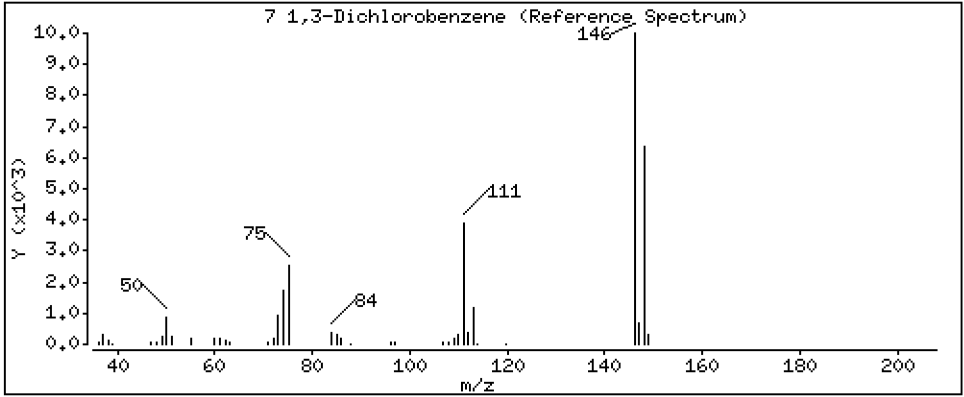
Column diameter: 0.25

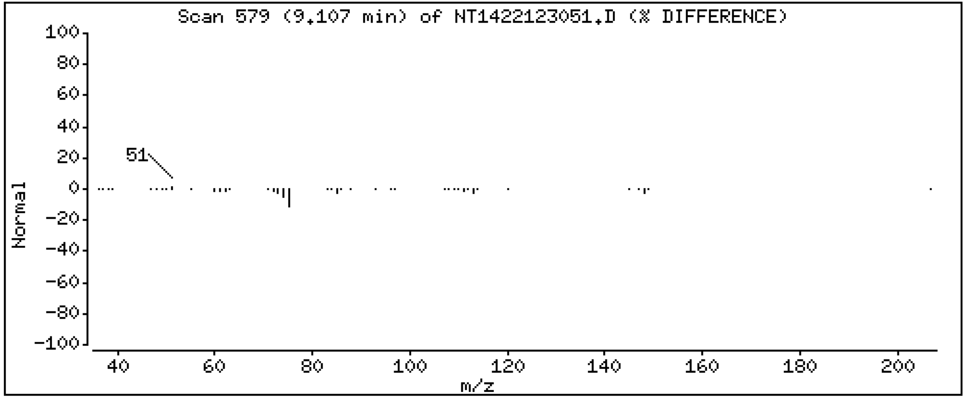
7 1,3-Dichlorobenzene

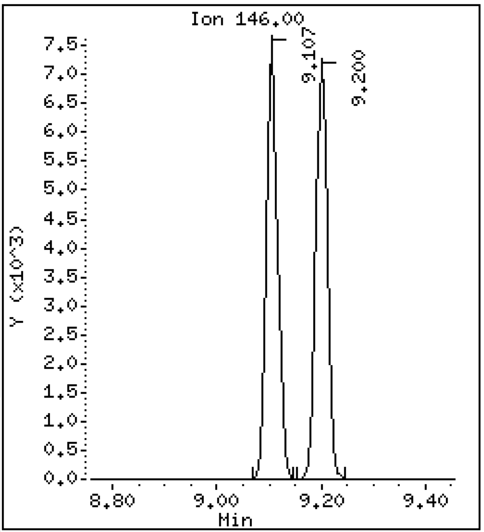
Concentration: 0.2457 ug/mL

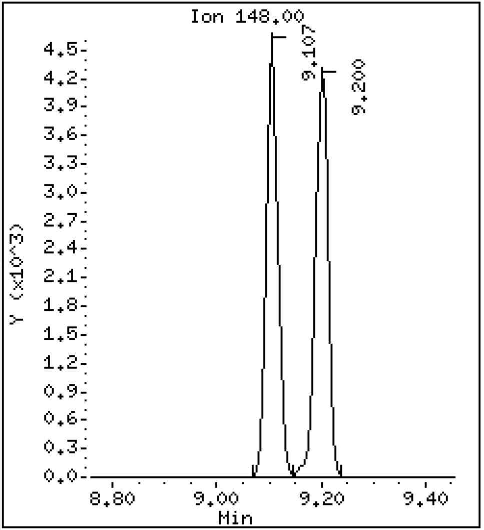


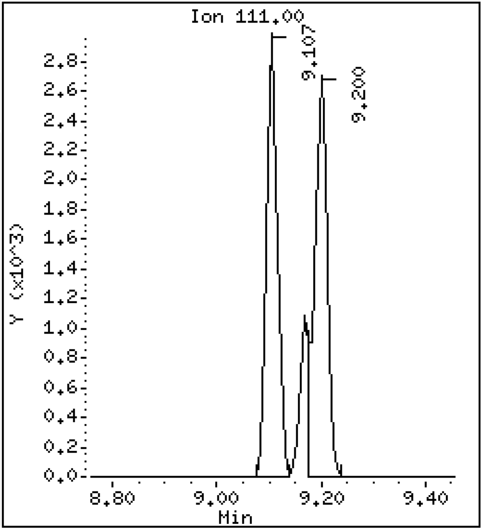












Data File: \\target\share\chem3\nt14.i\20221230B.b\NT1422123051.D

Date : 31-DEC-2022 14:29

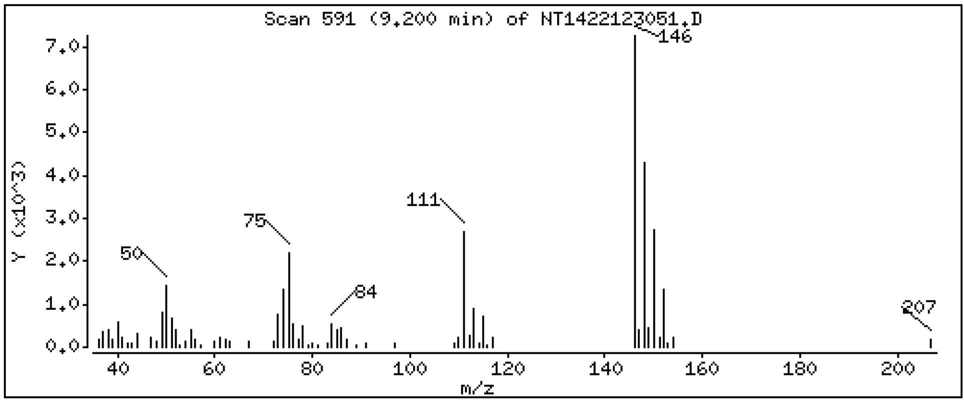
Client ID: Instrument: nt14.i

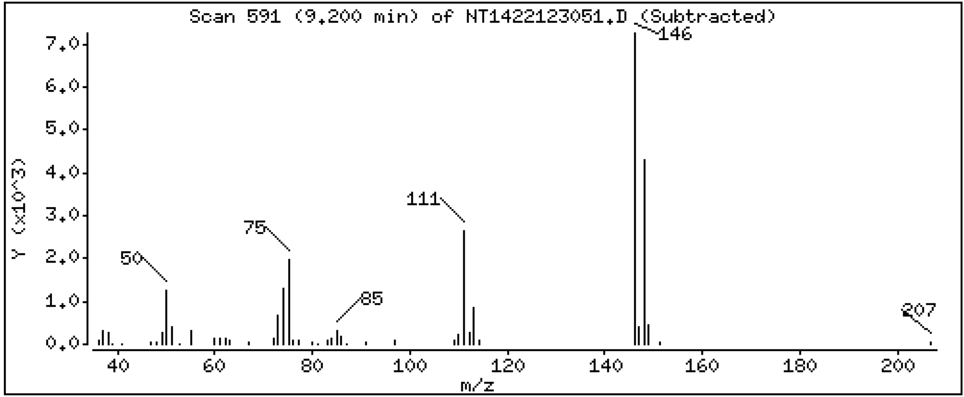
Sample Info: SKL0355-LCV1

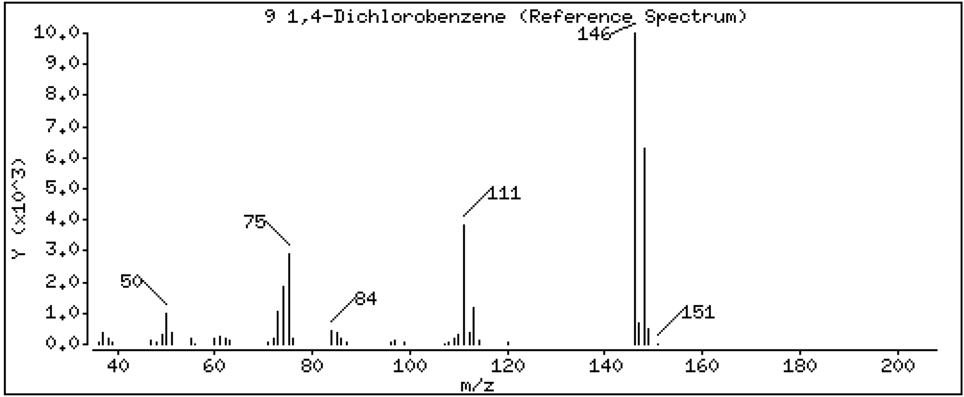
Operator: VTS

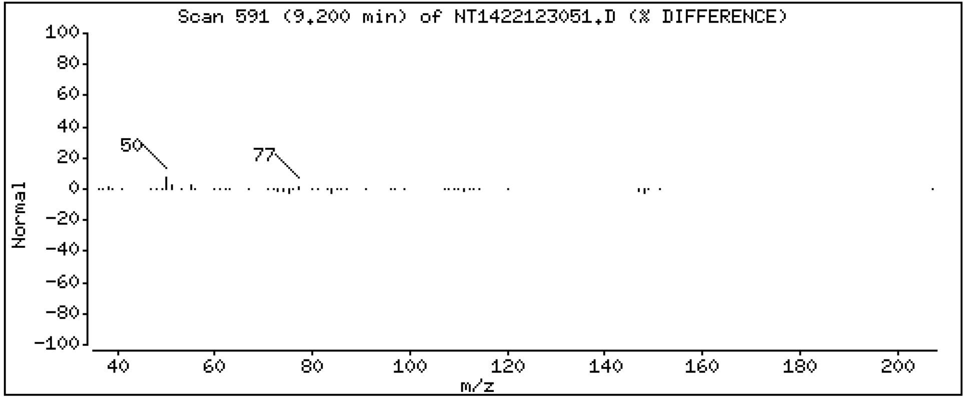
Column phase: ZB-5msi Column diameter: 0.25

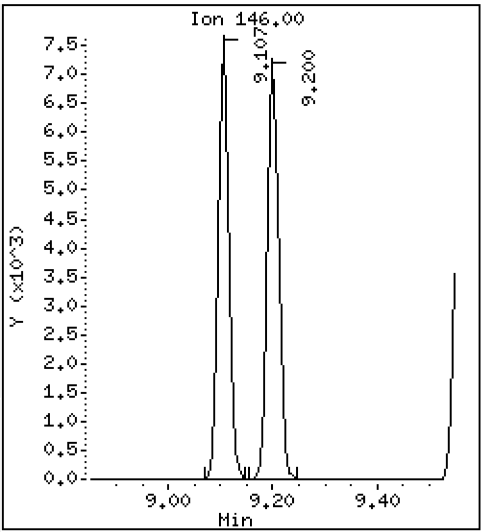
9 1,4-Dichlorobenzene Concentration: 0.2487 ug/mL

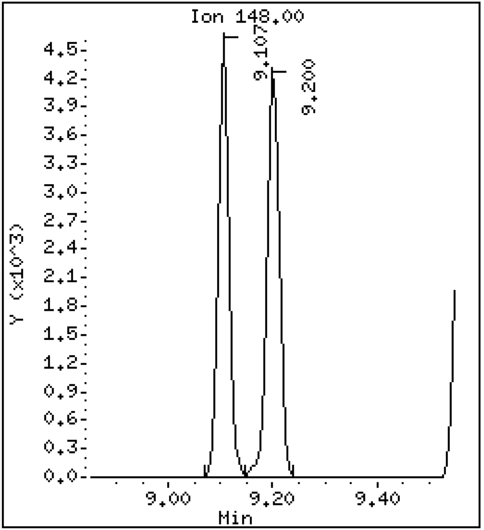

Scan 591 (9.200 min) of NT1422123051.D

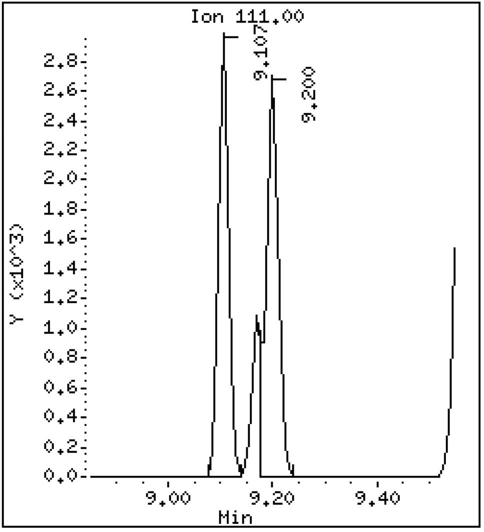

Scan 591 (9.200 min) of NT1422123051.D (Subtracted)


9 1,4-Dichlorobenzene (Reference Spectrum)


Scan 591 (9.200 min) of NT1422123051.D (% DIFFERENCE)


Ion 146.00


Ion 148.00


Ion 111.00

Data File: \\target\share\chem3\nt14.i\20221230B.b\NT1422123051.D

Date : 31-DEC-2022 14:29

Client ID:

Instrument: nt14.i

Sample Info: SKL0355-LCV1

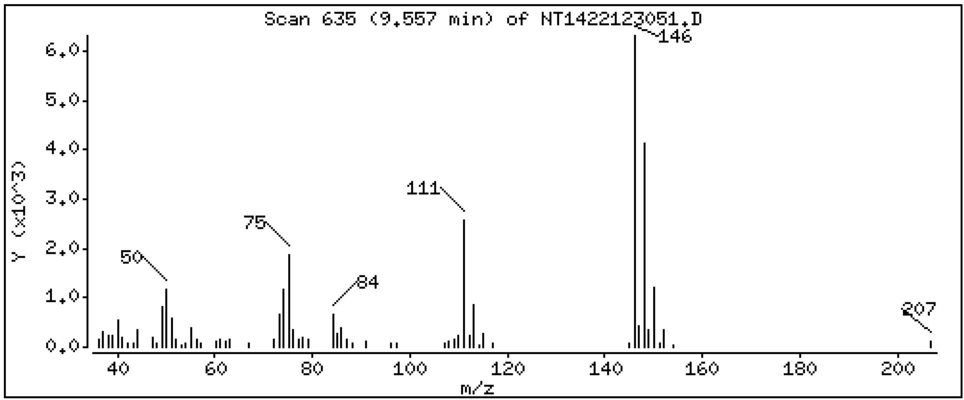
Operator: VTS

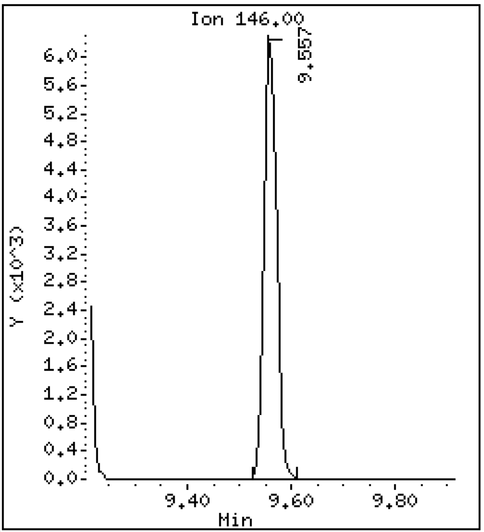
Column phase: ZB-5msi

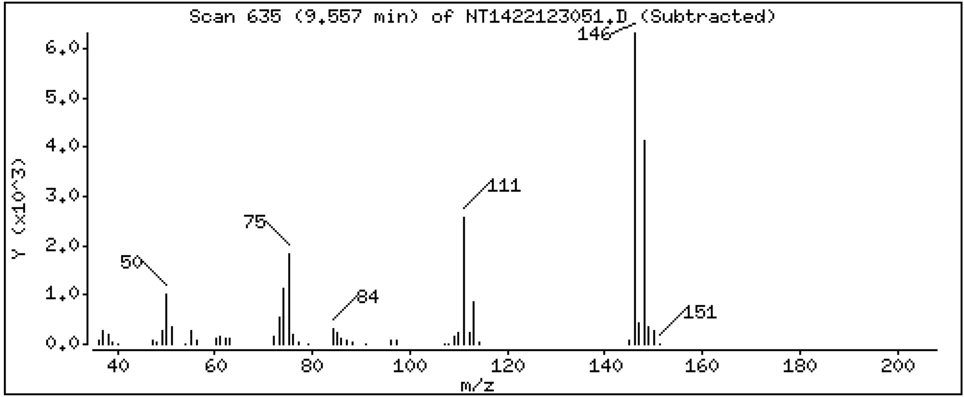
Column diameter: 0.25

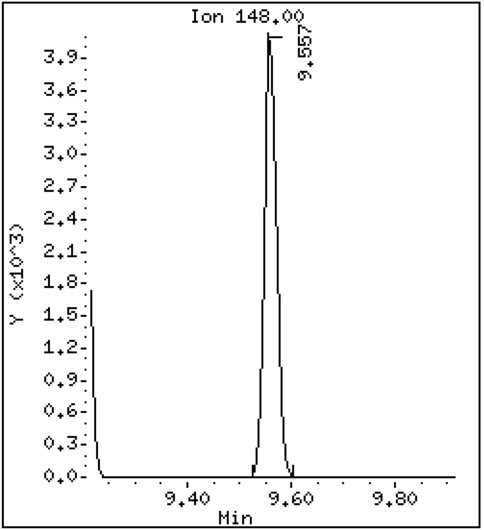
12 1,2-Dichlorobenzene

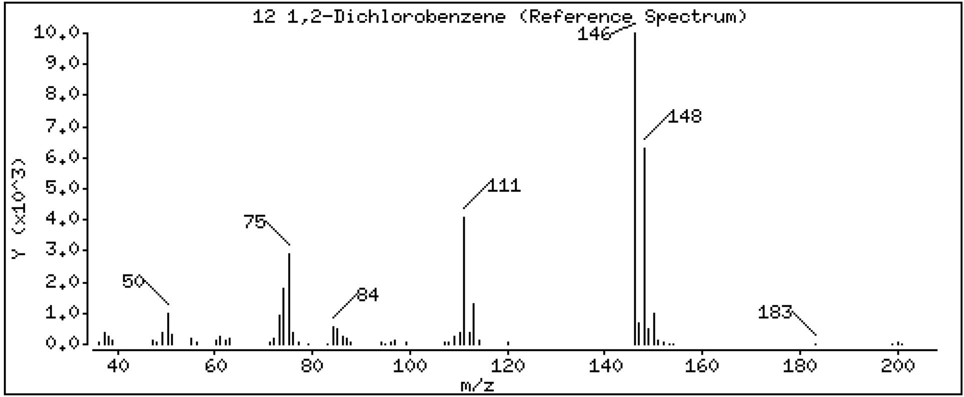
Concentration: 0.2432 ug/mL

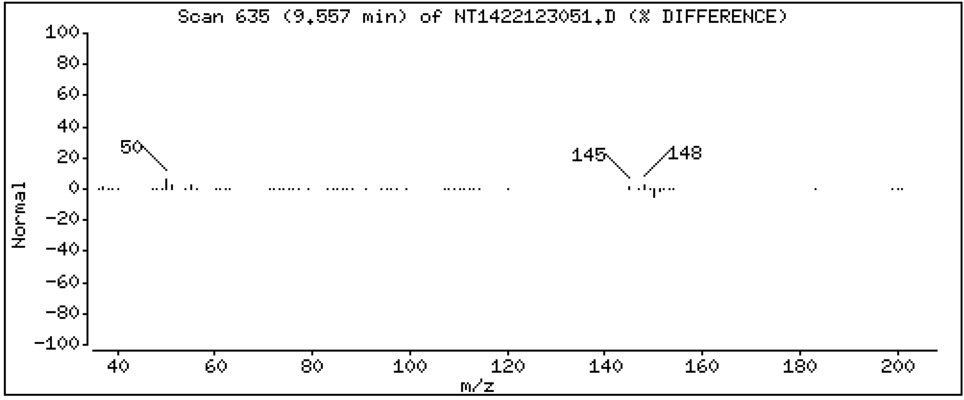

Scan 635 (9.557 min) of NT1422123051.D

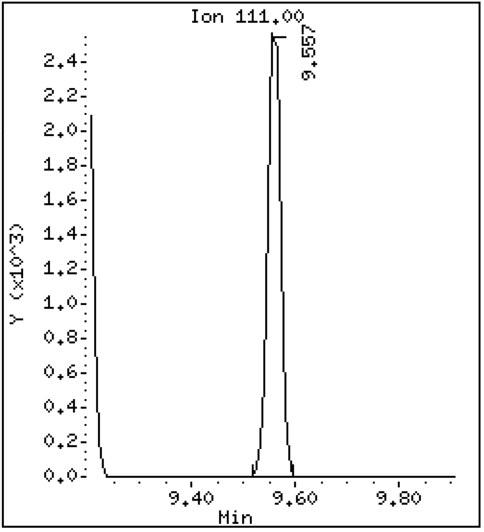

Ion 146.00


Scan 635 (9.557 min) of NT1422123051.D (Subtracted)


Ion 148.00


12 1,2-Dichlorobenzene (Reference Spectrum)


Scan 635 (9.557 min) of NT1422123051.D (% DIFFERENCE)


Ion 111.00

Data File: \\target\share\chem3\nt14.i\20221230B.b\NT1422123051.D

Date : 31-DEC-2022 14:29

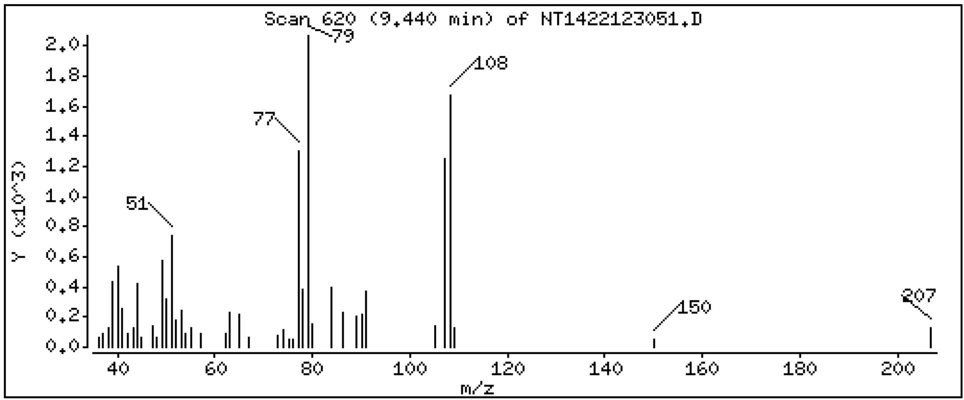
Client ID: Instrument: nt14.i

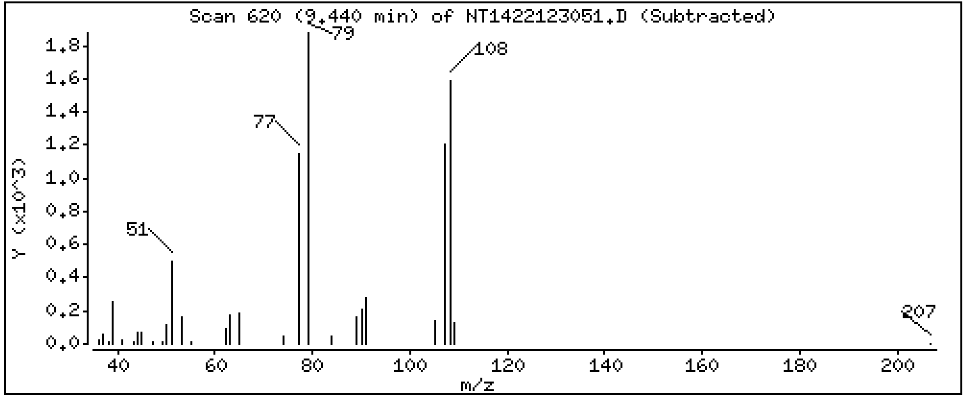
Sample Info: SKL0355-LCV1

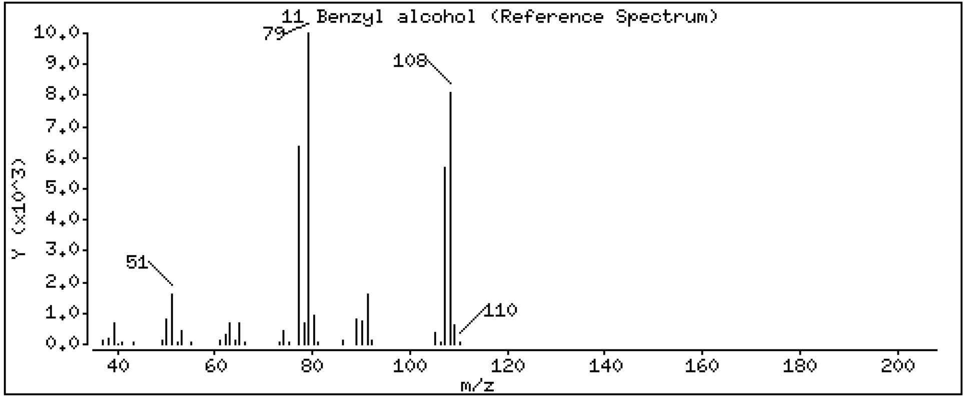
Operator: VTS

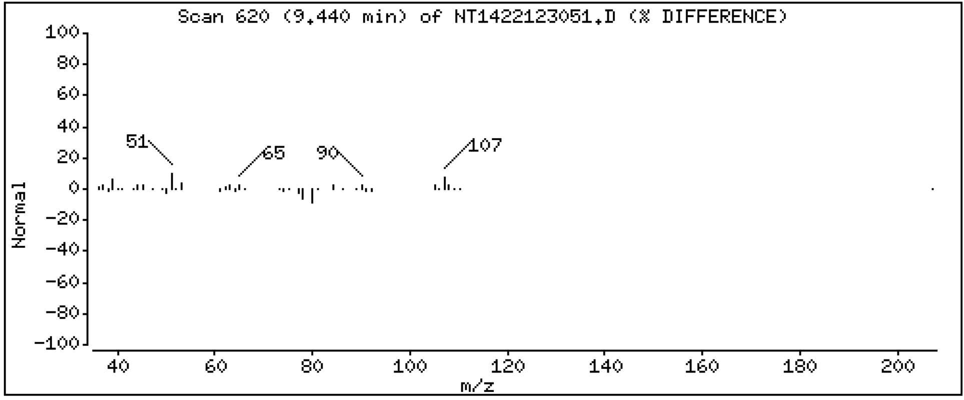
Column phase: ZB-5msi Column diameter: 0.25

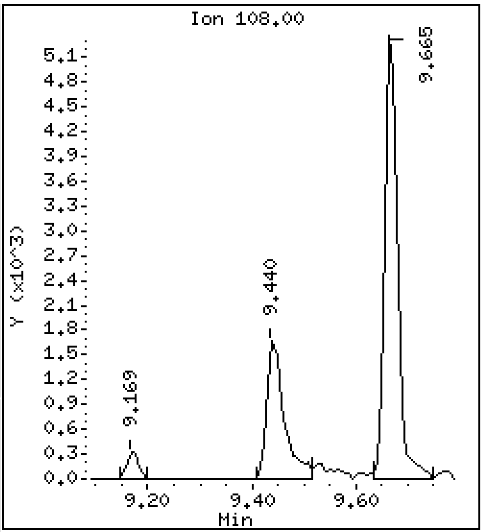
11 Benzyl alcohol Concentration: 0.1623 ug/mL

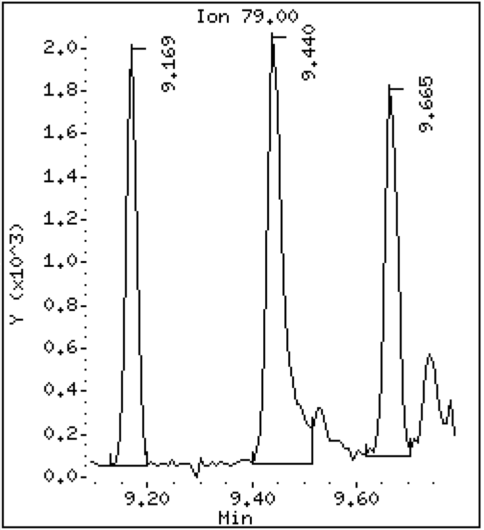


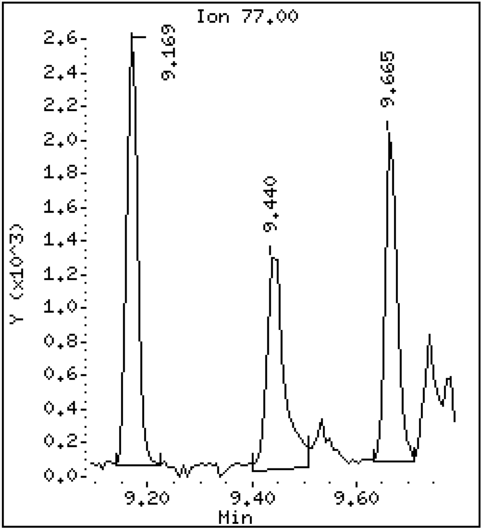












Data File: \\target\share\chem3\nt14.i\20221230B.b\NT1422123051.D

Date : 31-DEC-2022 14:29

Client ID:

Instrument: nt14.i

Sample Info: SKL0355-LCV1

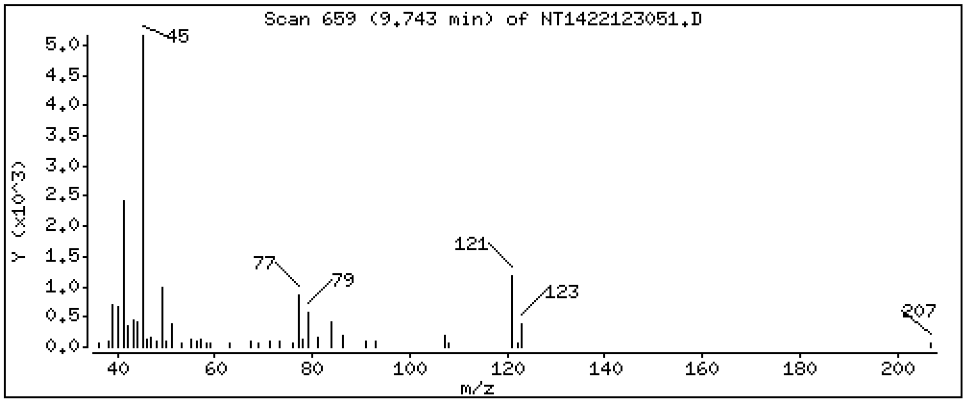
Operator: VTS

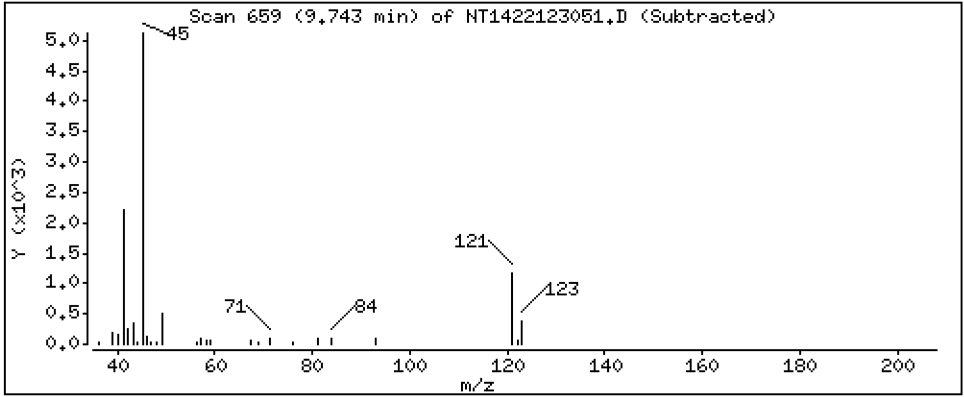
Column phase: ZB-5msi

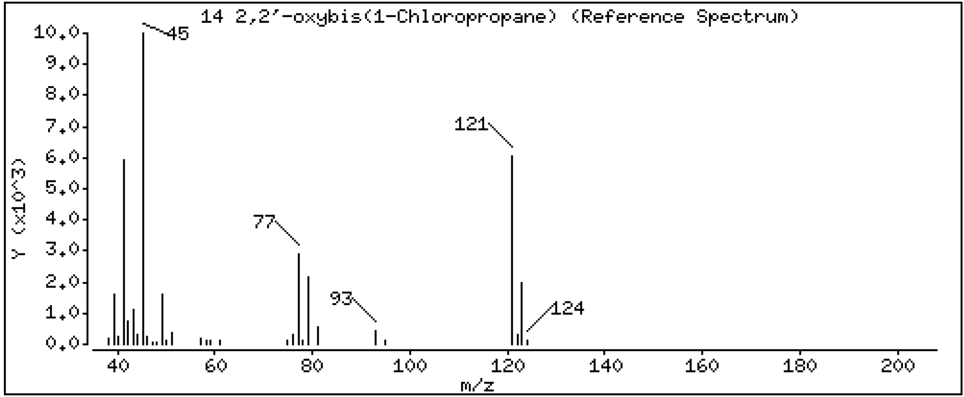
Column diameter: 0.25

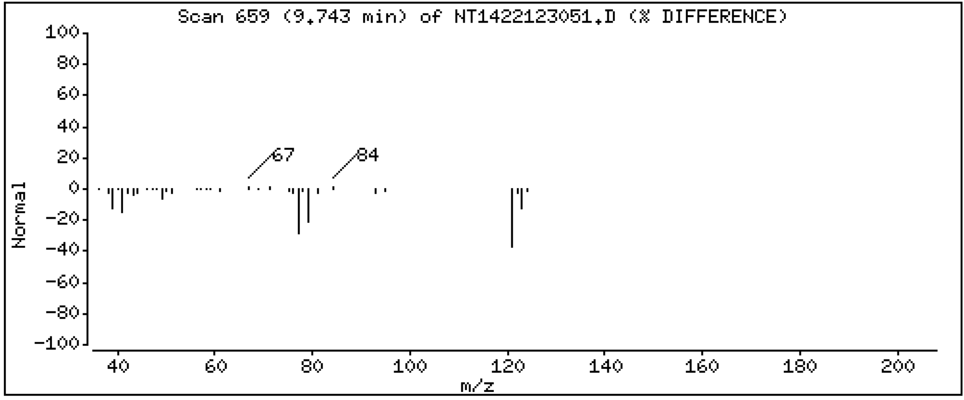
14 2,2'-oxybis(1-Chloropropane)

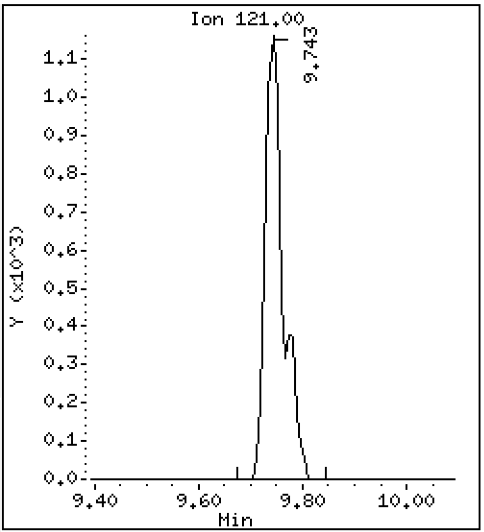
Concentration: 0.2236 ug/mL

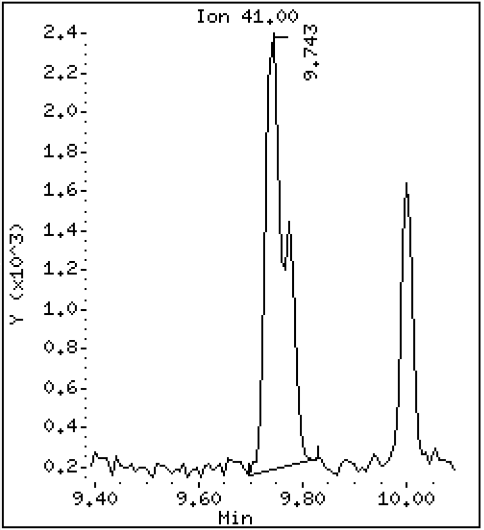

Scan 659 (9.743 min) of NT1422123051.D

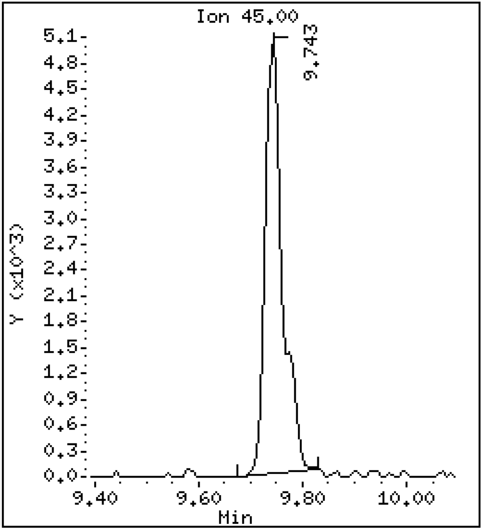

Scan 659 (9.743 min) of NT1422123051.D (Subtracted)


14 2,2'-oxybis(1-Chloropropane) (Reference Spectrum)


Scan 659 (9.743 min) of NT1422123051.D (% DIFFERENCE)


Ion 121.00


Ion 41.00


Ion 45.00

Data File: \\target\share\chem3\nt14.i\20221230B.b\NT1422123051.D

Date : 31-DEC-2022 14:29

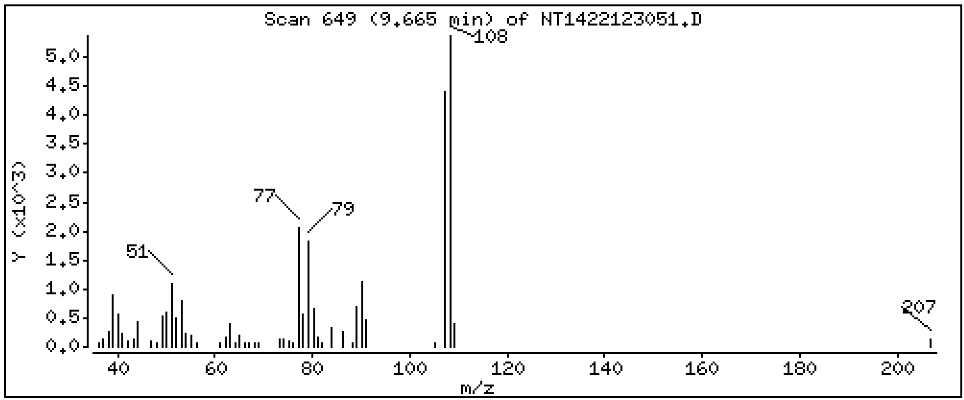
Client ID: Instrument: nt14.i

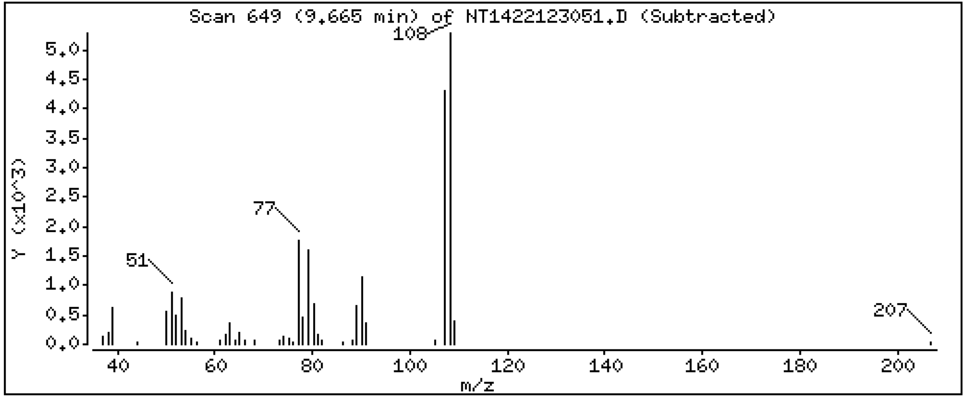
Sample Info: SKL0355-LCV1

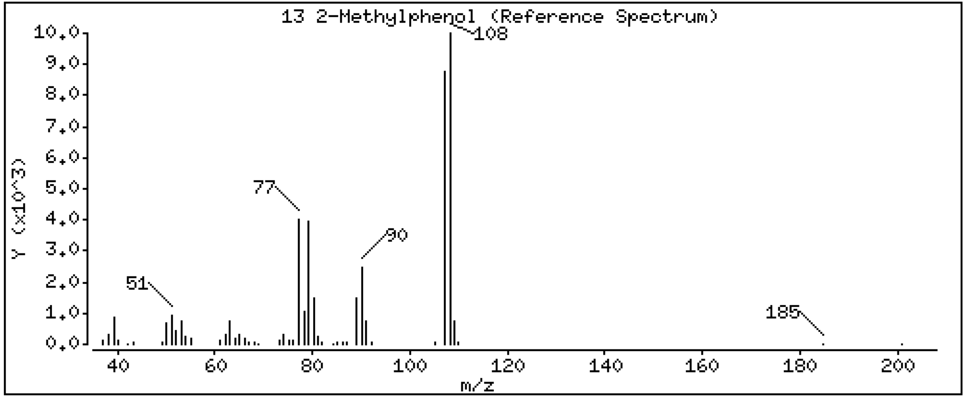
Operator: VTS

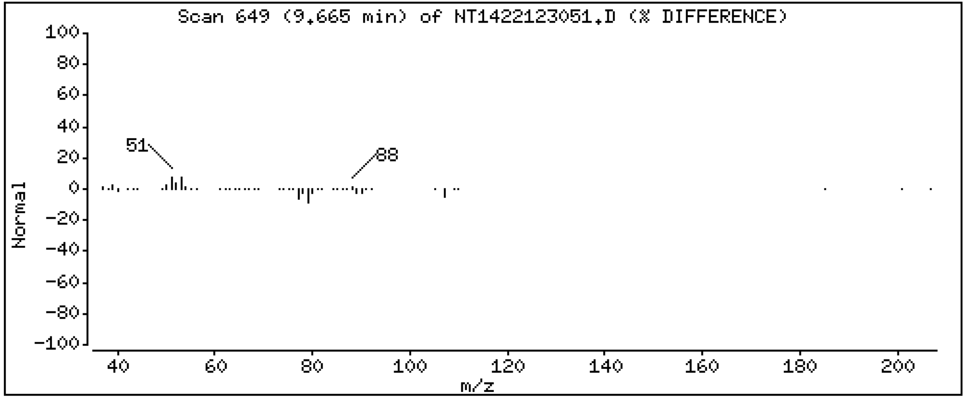
Column phase: ZB-5msi Column diameter: 0.25

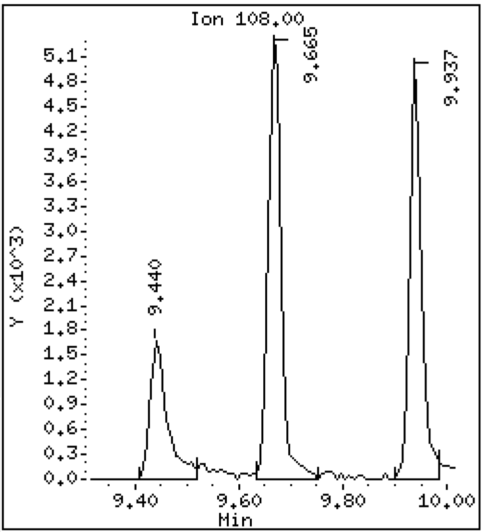
13 2-Methylphenol Concentration: 0.2341 ug/mL

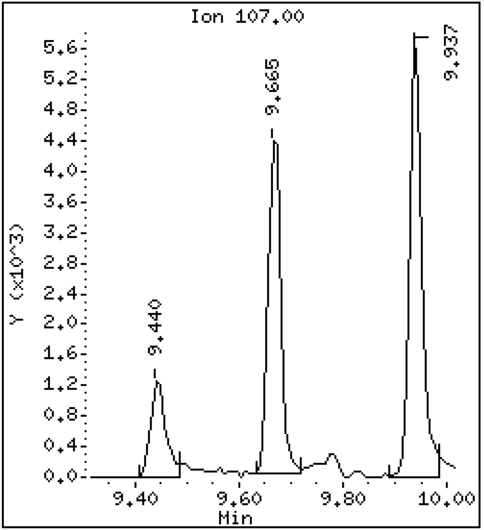

Scan 649 (9.665 min) of NT1422123051.D

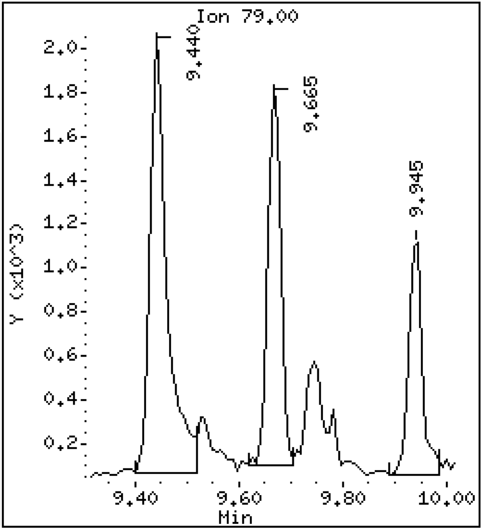

Scan 649 (9.665 min) of NT1422123051.D (Subtracted)


13 2-Methylphenol (Reference Spectrum)


Scan 649 (9.665 min) of NT1422123051.D (% DIFFERENCE)


Ion 108.00


Ion 107.00


Ion 79.00

Data File: \\target\share\chem3\nt14.i\20221230B.b\NT1422123051.D

Date : 31-DEC-2022 14:29

Client ID:

Instrument: nt14.i

Sample Info: SKL0355-LCV1

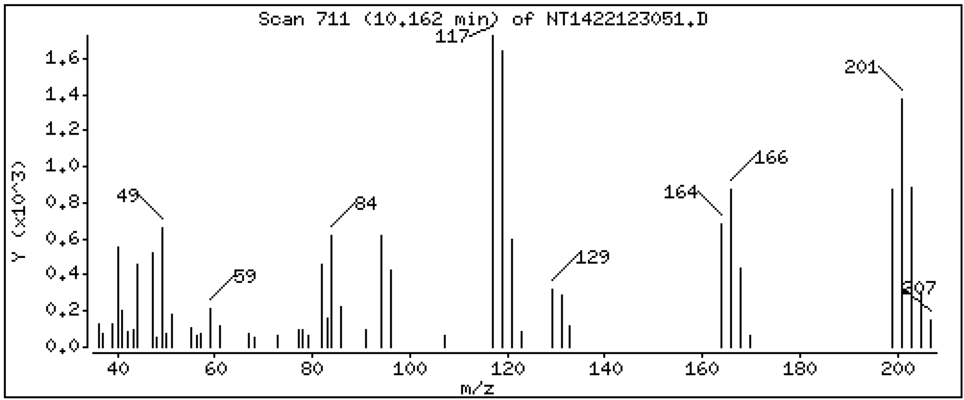
Operator: VTS

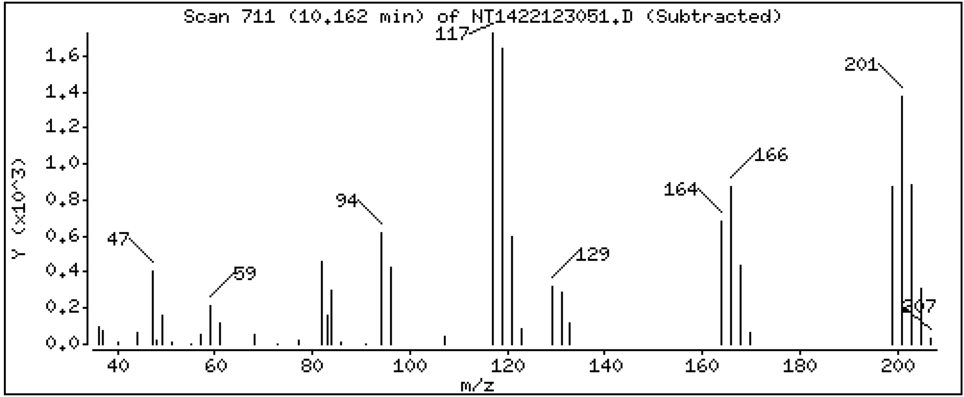
Column phase: ZB-5msi

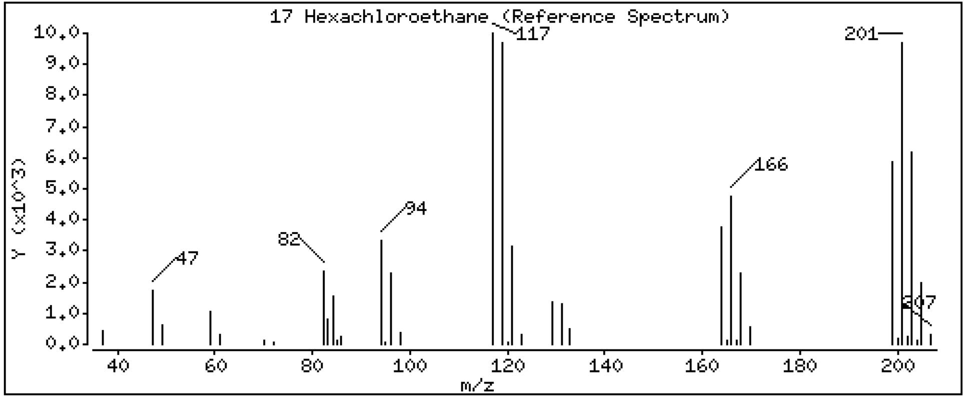
Column diameter: 0.25

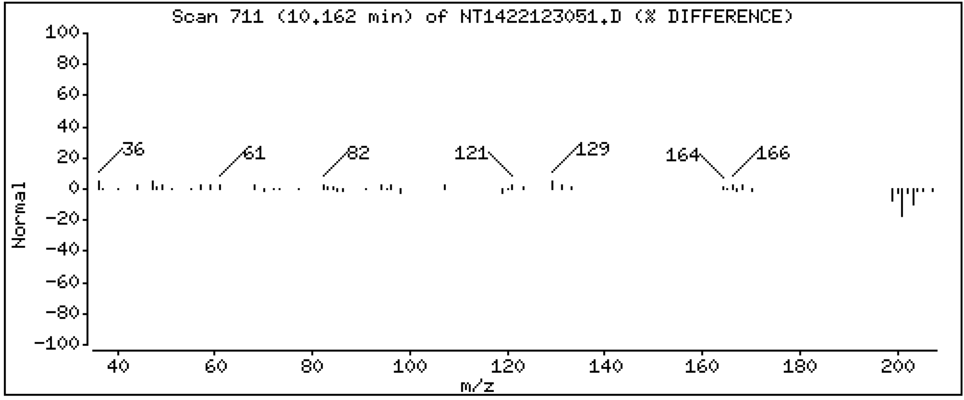
17 Hexachloroethane

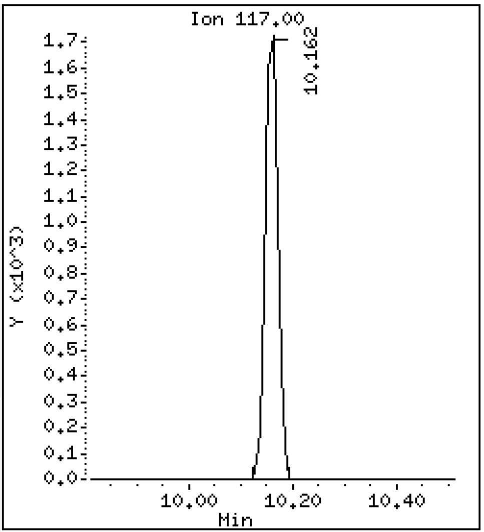
Concentration: 0.1755 ug/mL


Scan 711 (10.162 min) of NT1422123051.D


Scan 711 (10.162 min) of NT1422123051.D (Subtracted)


17 Hexachloroethane (Reference Spectrum)


Scan 711 (10.162 min) of NT1422123051.D (% DIFFERENCE)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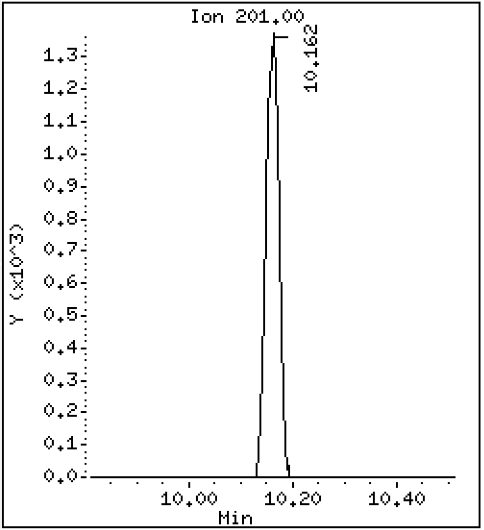
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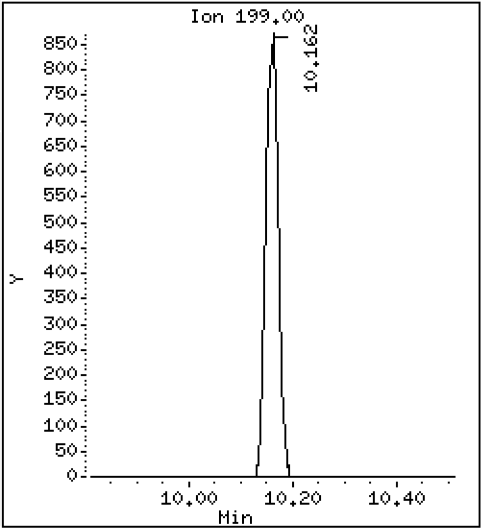

Ion 199.00

Data File: \\target\share\chem3\nt14.i\20221230B.b\NT1422123051.D

Date : 31-DEC-2022 14:29

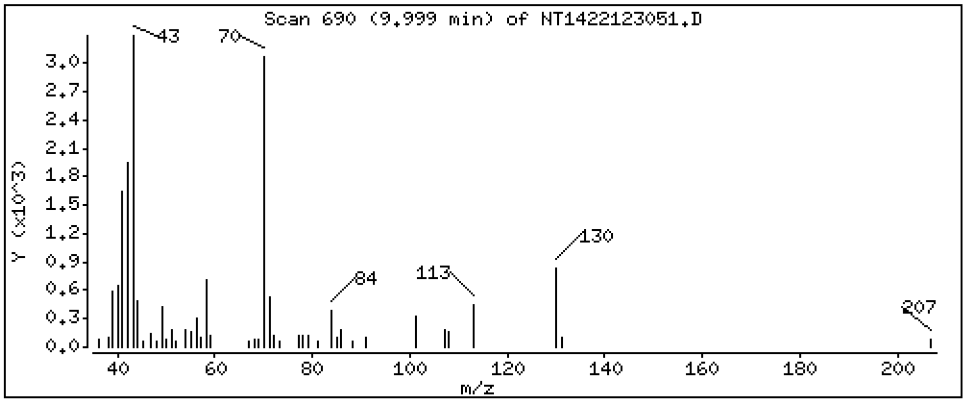
Client ID: Instrument: nt14.i

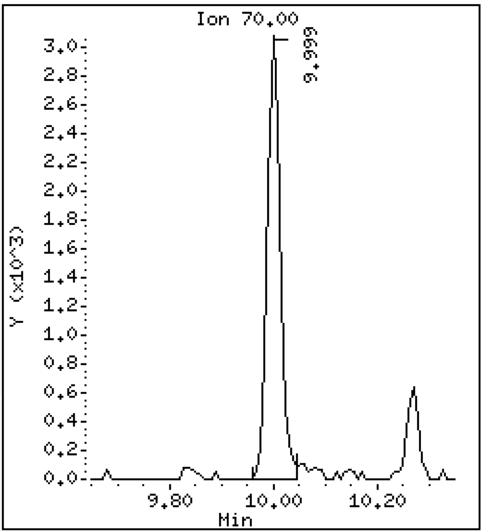
Sample Info: SKL0355-LCV1

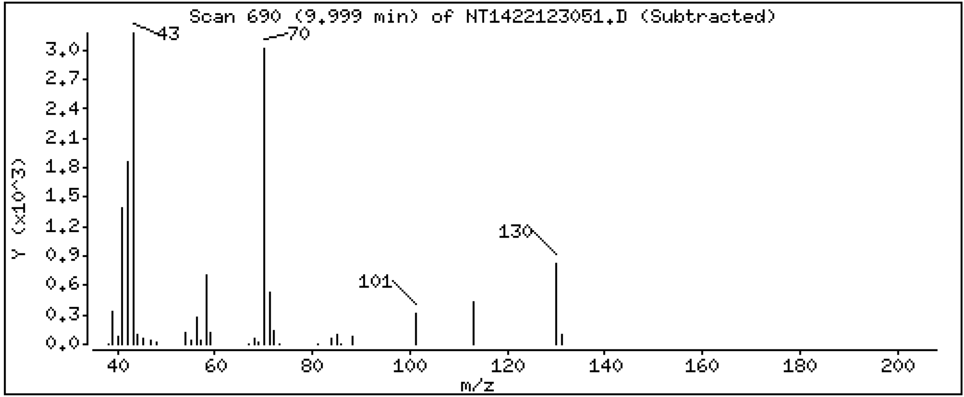
Operator: VTS

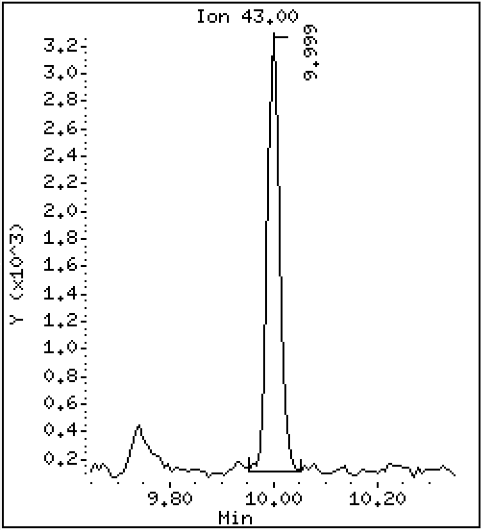
Column phase: ZB-5msi Column diameter: 0.25

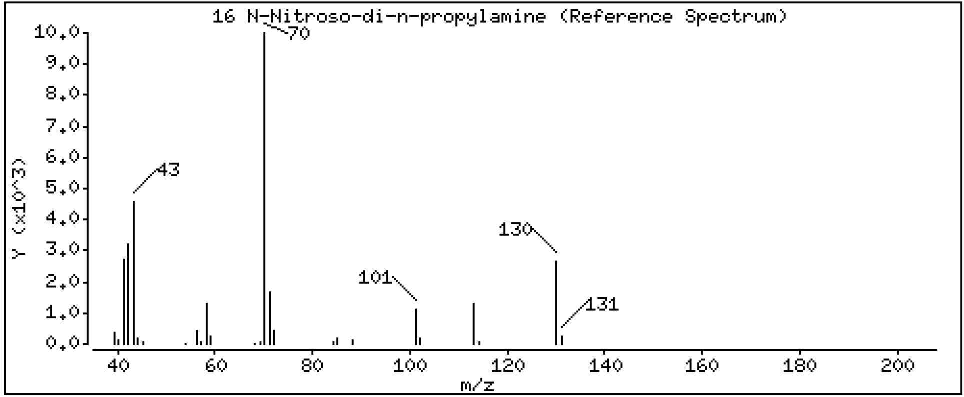
16 N-Nitroso-di-n-propylamine Concentration: 0.2208 ug/mL

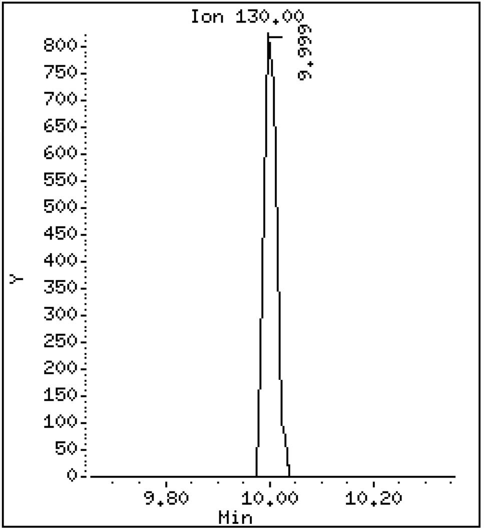


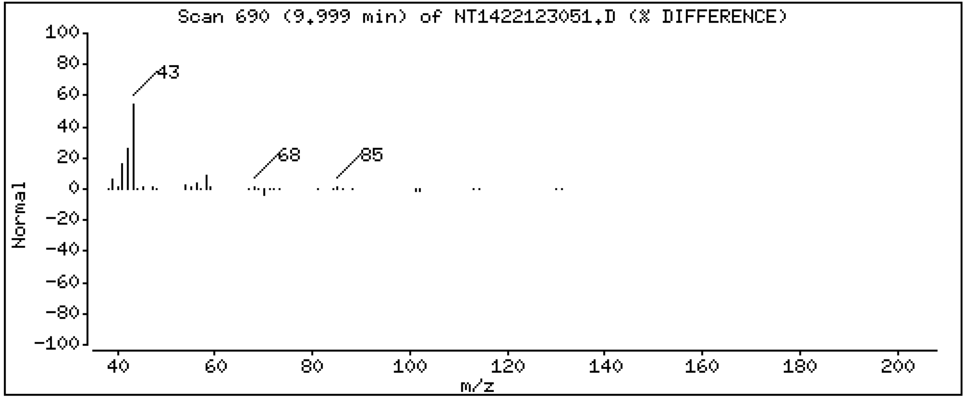












Data File: \\target\share\chem3\nt14.i\20221230B.b\NT1422123051.D

Date : 31-DEC-2022 14:29

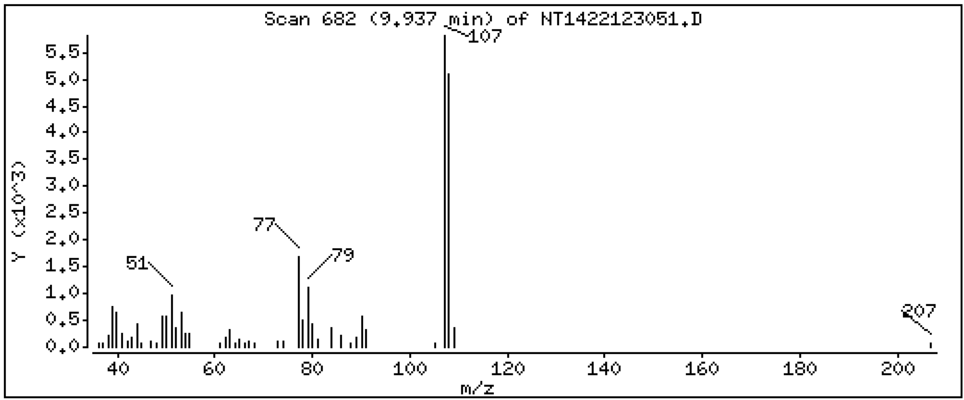
Client ID: Instrument: nt14.i

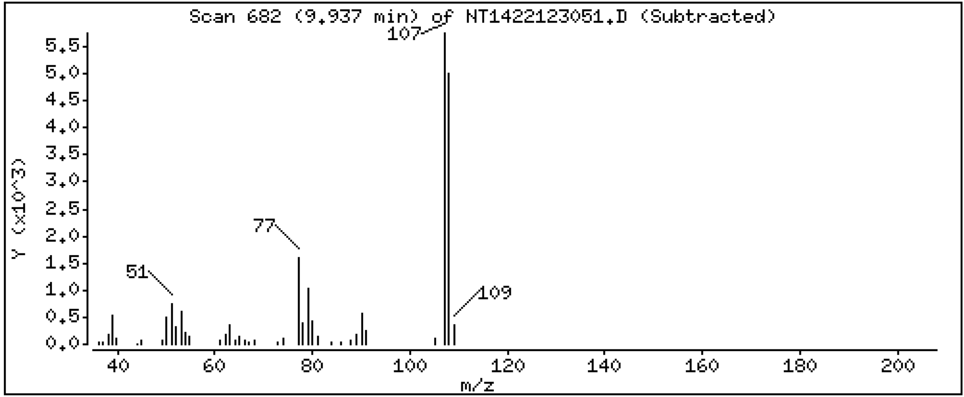
Sample Info: SKL0355-LCV1

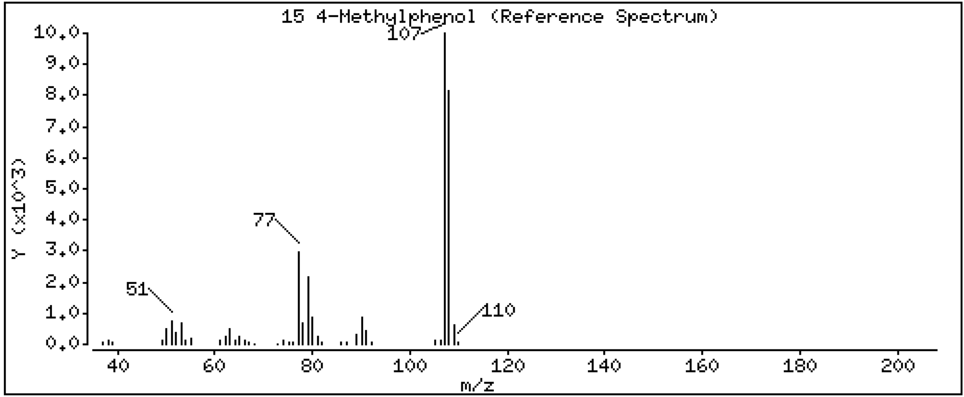
Operator: VTS

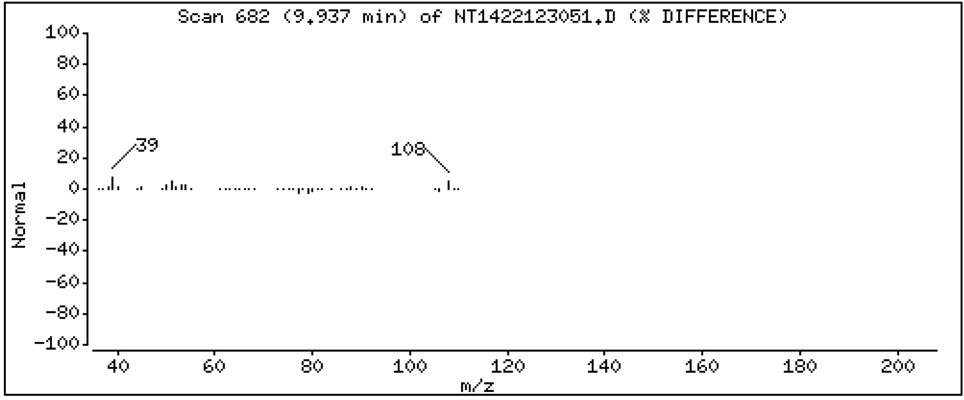
Column phase: ZB-5msi Column diameter: 0.25

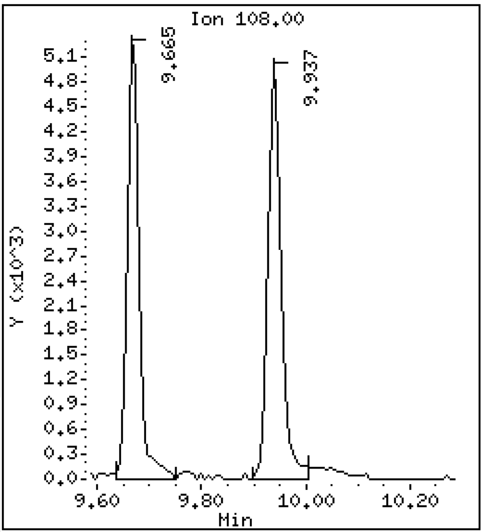
15 4-Methylphenol Concentration: 0.2121 ug/mL

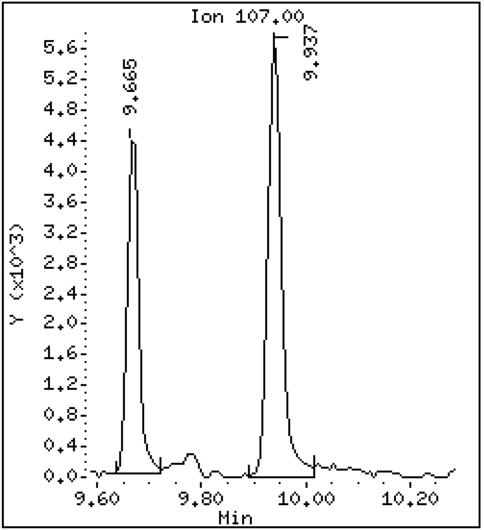

Scan 682 (9.937 min) of NT1422123051.D

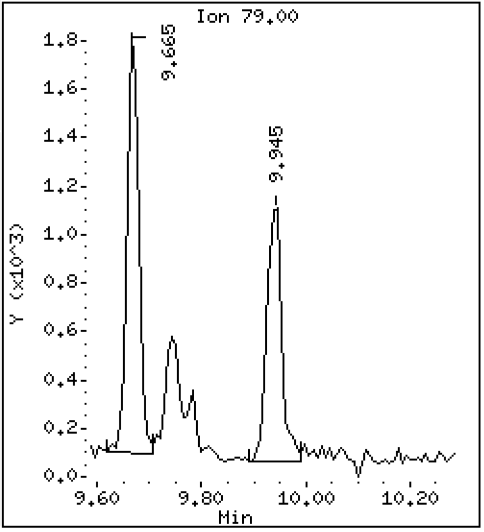

Scan 682 (9.937 min) of NT1422123051.D (Subtracted)


15 4-Methylphenol (Reference Spectrum)


Scan 682 (9.937 min) of NT1422123051.D (% DIFFERENCE)


Ion 108.00


Ion 107.00


Ion 79.00

Data File: \\target\share\chem3\nt14.i\20221230B.b\NT1422123051.D

Date : 31-DEC-2022 14:29

Client ID:

Instrument: nt14.i

Sample Info: SKL0355-LCV1

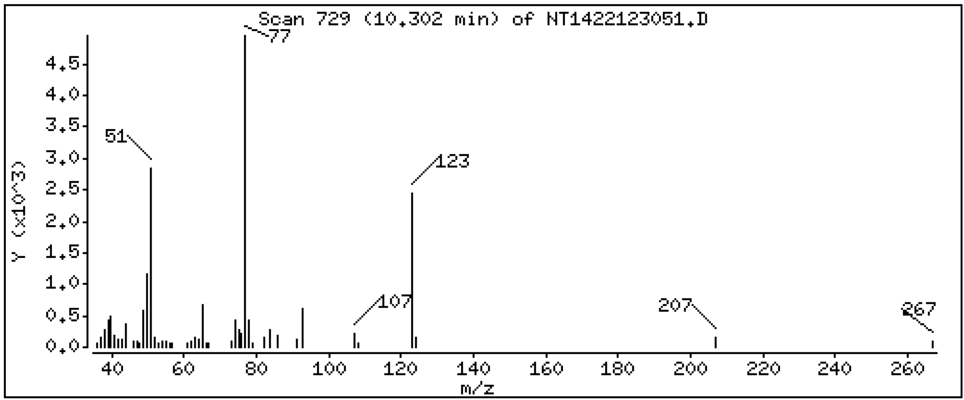
Operator: VTS

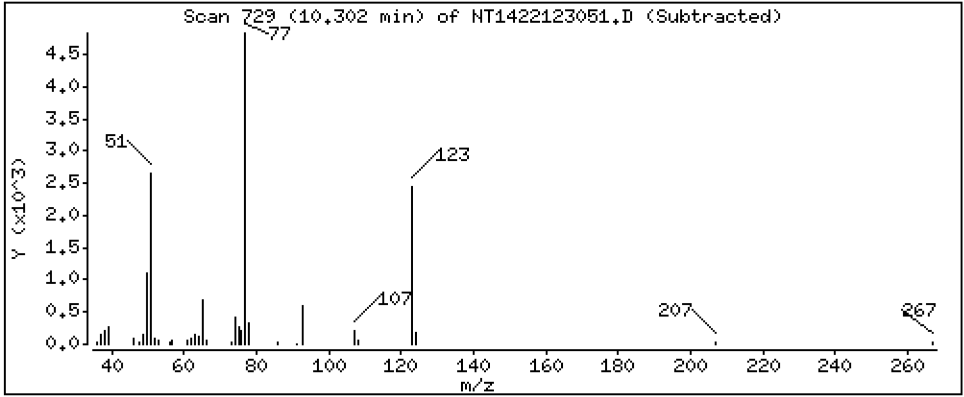
Column phase: ZB-5msi

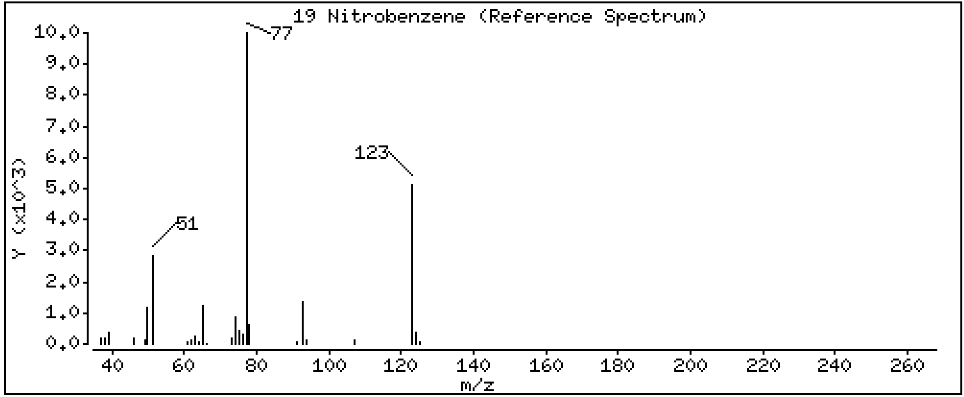
Column diameter: 0.25

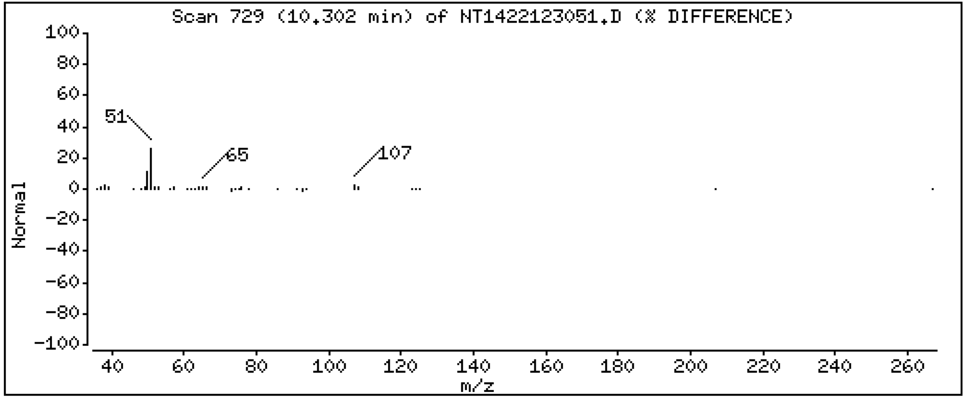
19 Nitrobenzene

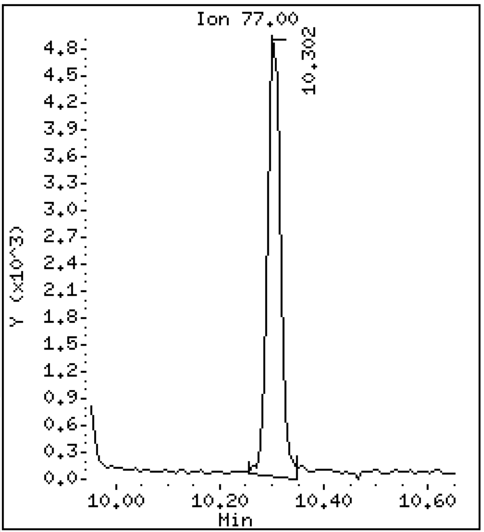
Concentration: 0.2254 ug/mL

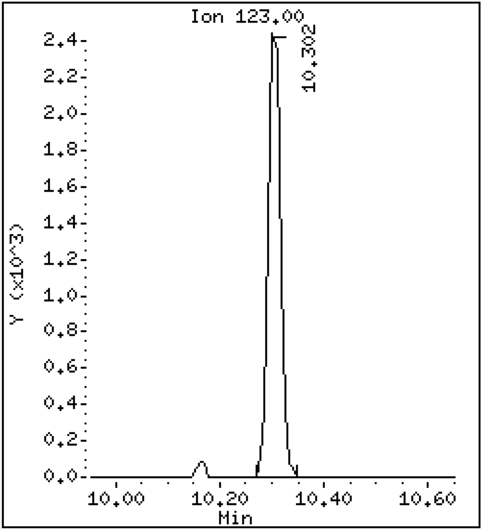


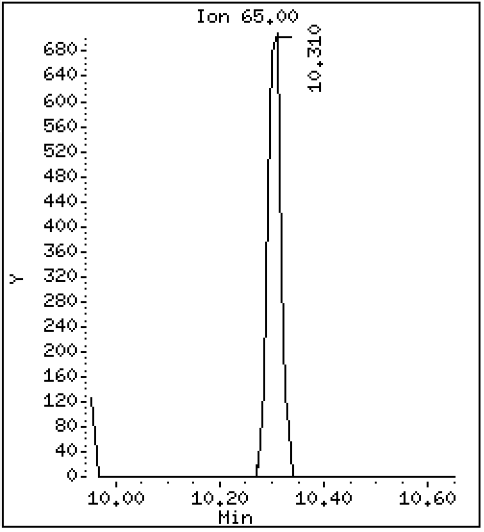












Data File: \\target\share\chem3\nt14.i\20221230B.b\NT1422123051.D

Date : 31-DEC-2022 14:29

Client ID:

Instrument: nt14.i

Sample Info: SKL0355-LCV1

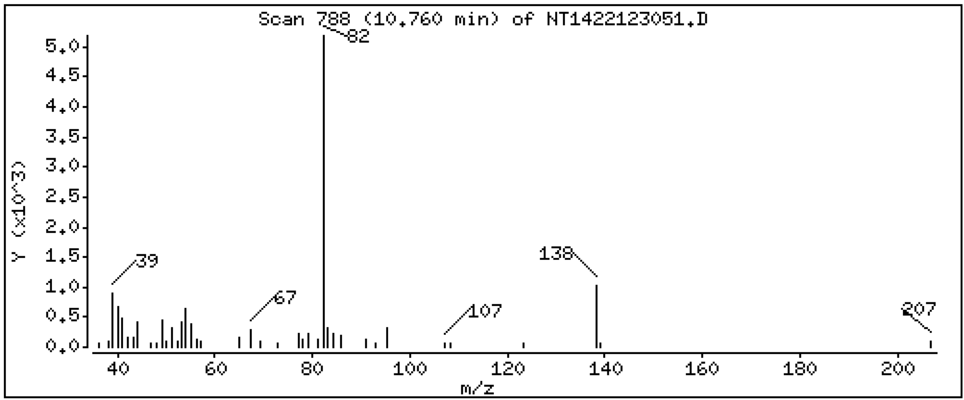
Operator: VTS

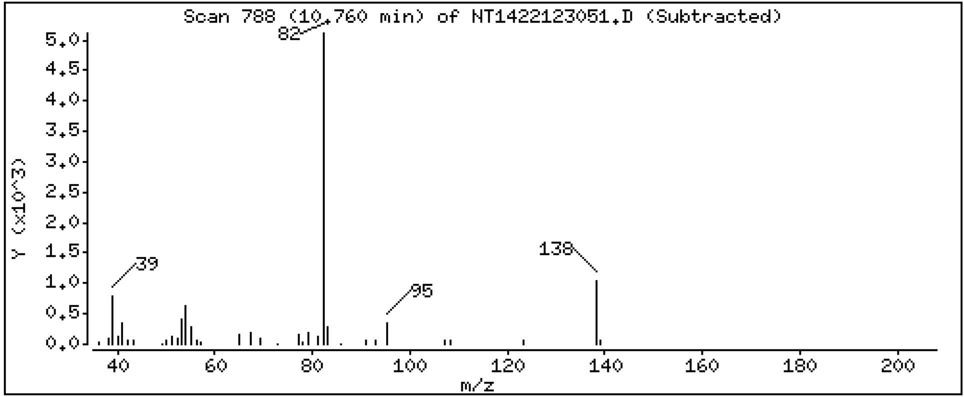
Column phase: ZB-5msi

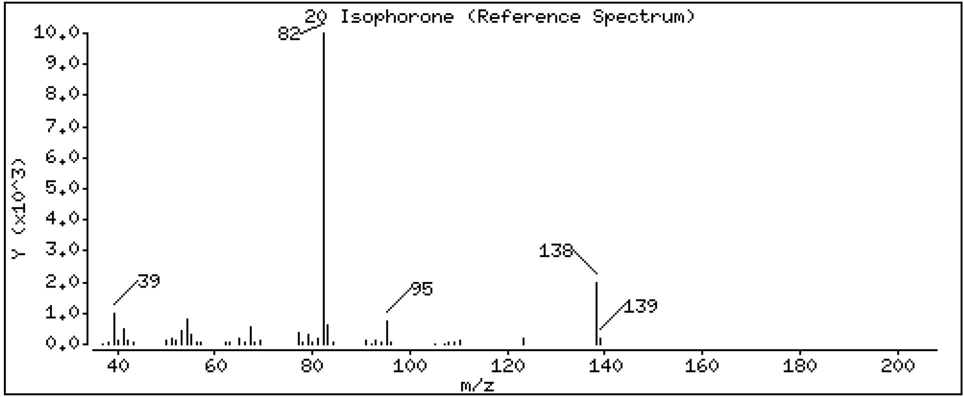
Column diameter: 0.25

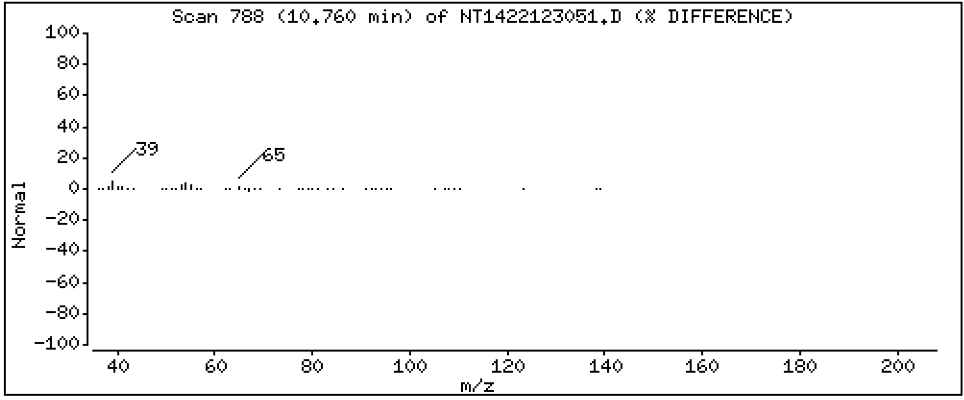
20 Isophorone

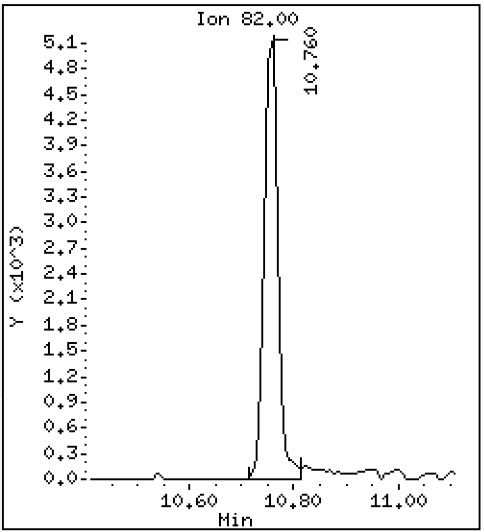
Concentration: 0.1965 ug/mL

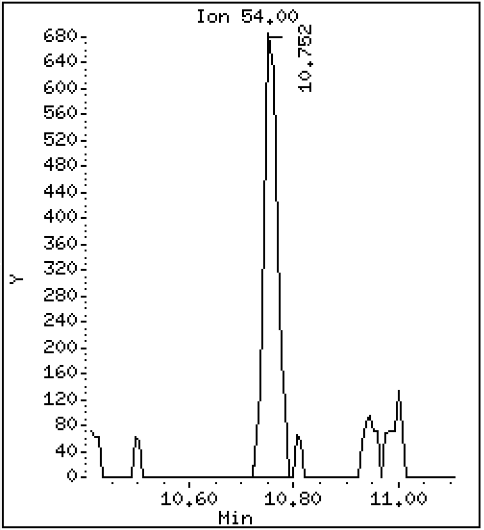


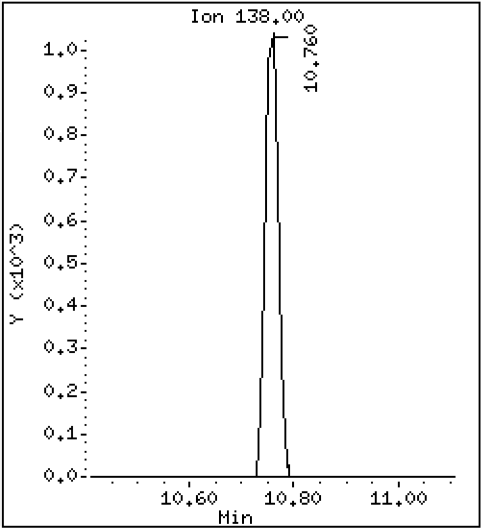












Data File: \\target\share\chem3\nt14.i\20221230B.b\NT1422123051.D

Date : 31-DEC-2022 14:29

Client ID:

Instrument: nt14.i

Sample Info: SKL0355-LCV1

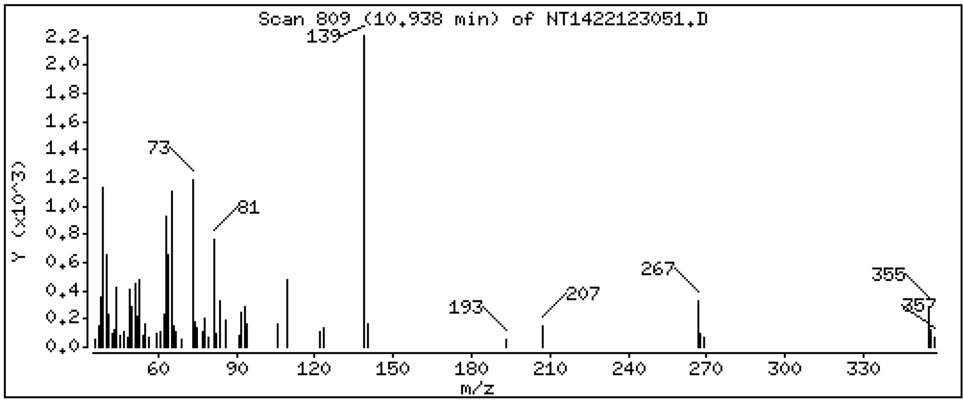
Operator: VTS

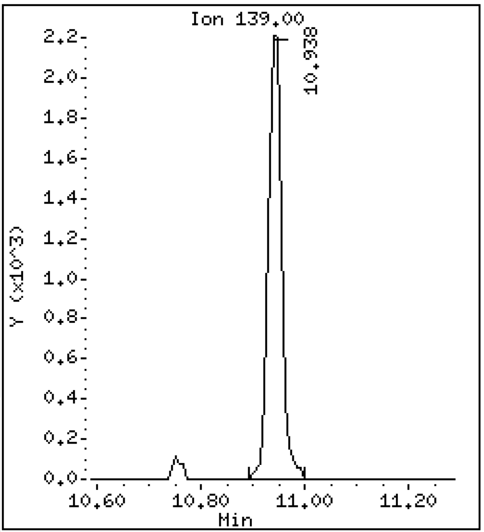
Column phase: ZB-5msi

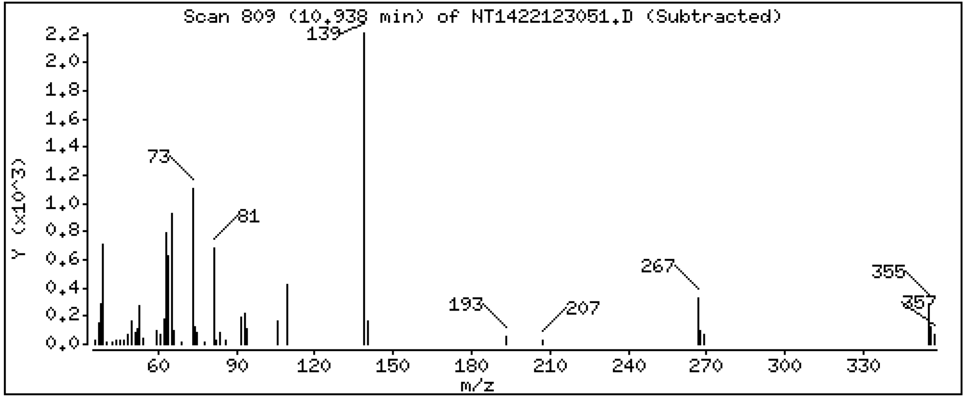
Column diameter: 0.25

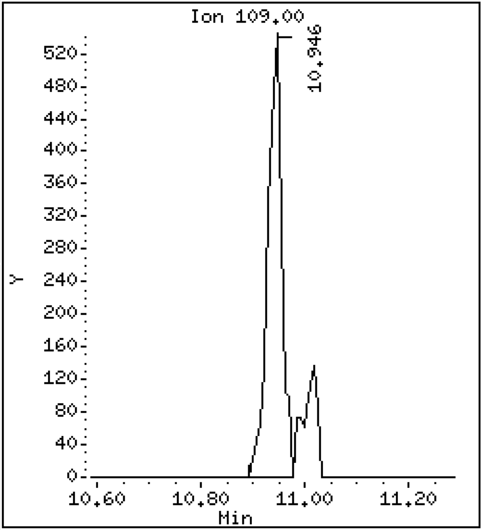
21 2-Nitrophenol

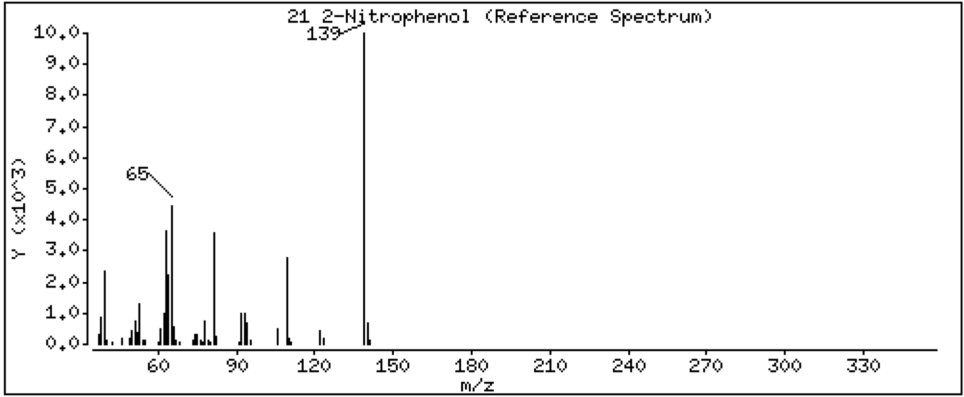
Concentration: 0.2028 ug/mL

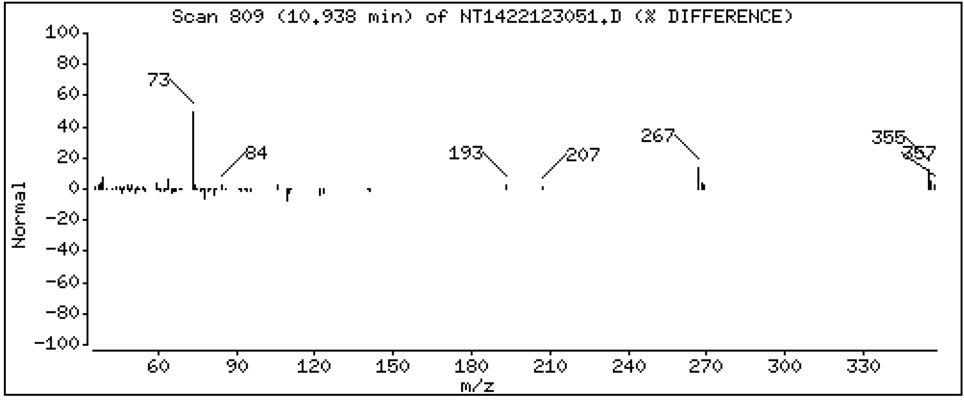

Scan 809 (10.938 min) of NT1422123051.D

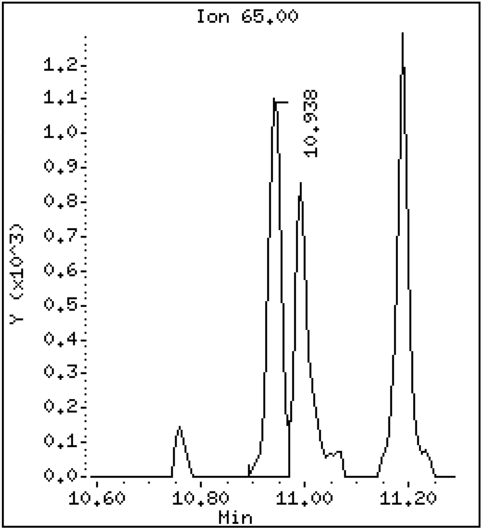

Ion 139.00


Scan 809 (10.938 min) of NT1422123051.D (Subtracted)


Ion 109.00


21 2-Nitrophenol (Reference Spectrum)


Scan 809 (10.938 min) of NT1422123051.D (% DIFFERENCE)


Ion 65.00

Data File: \\target\share\chem3\nt14.i\20221230B.b\NT1422123051.D

Date : 31-DEC-2022 14:29

Client ID:

Instrument: nt14.i

Sample Info: SKL0355-LCV1

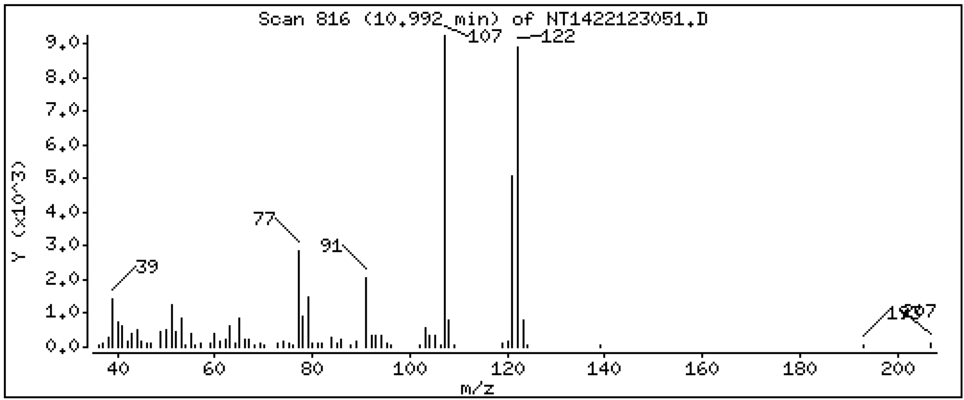
Operator: VTS

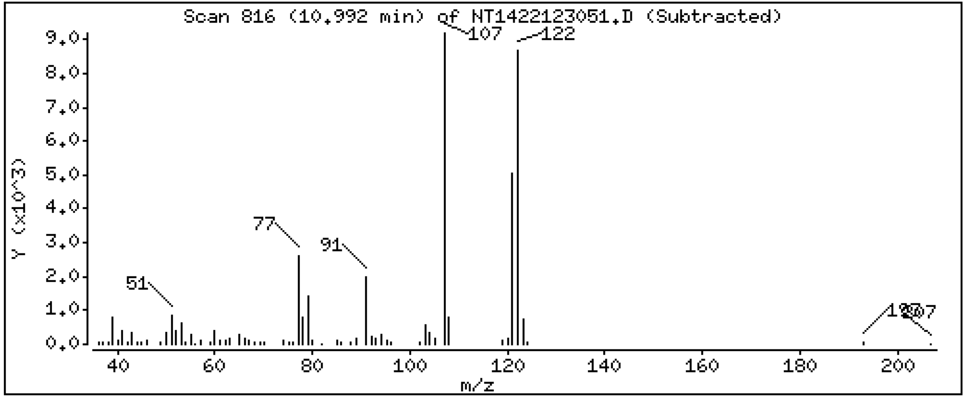
Column phase: ZB-5msi

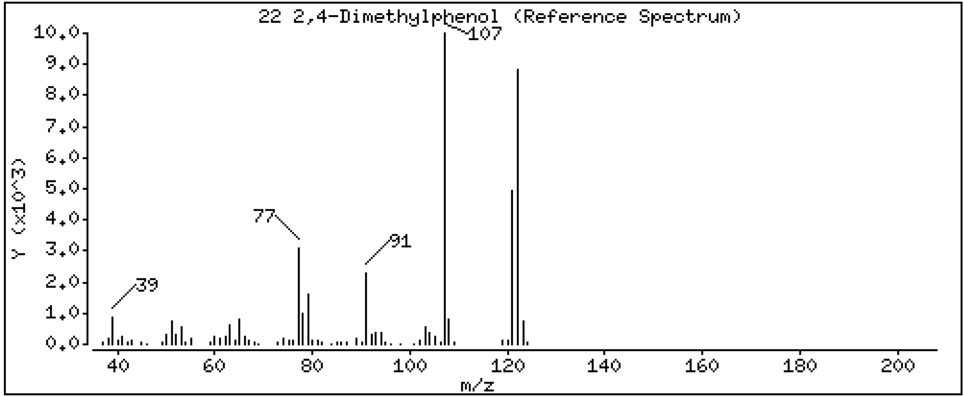
Column diameter: 0.25

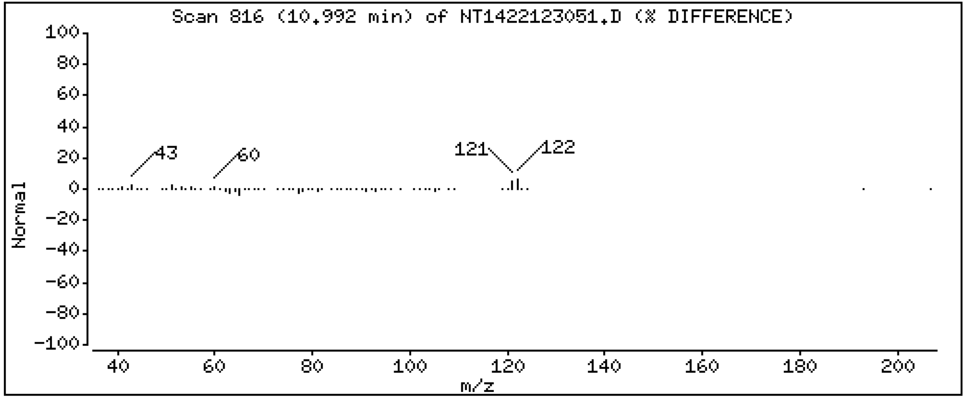
22 2,4-Dimethylphenol

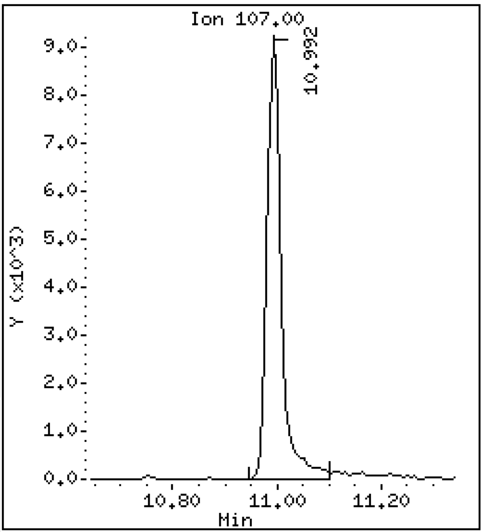
Concentration: 0.4556 ug/mL

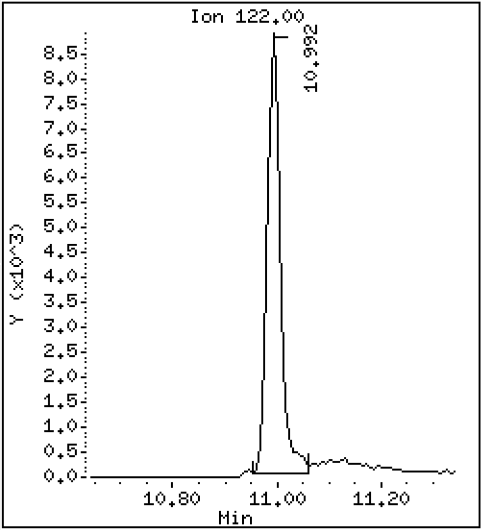

Scan 816 (10.992 min) of NT1422123051.D

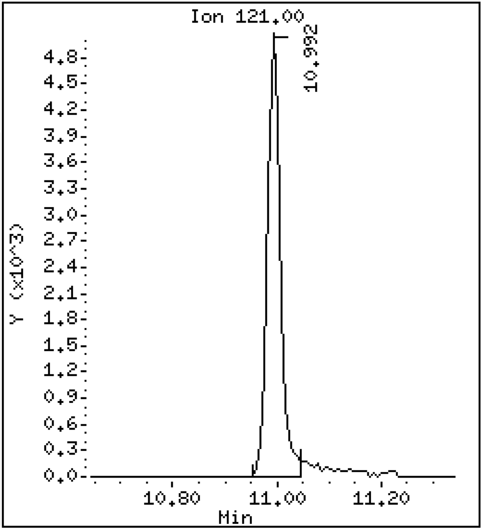

Scan 816 (10.992 min) of NT1422123051.D (Subtracted)


22 2,4-Dimethylphenol (Reference Spectrum)


Scan 816 (10.992 min) of NT1422123051.D (% DIFFERENCE)


Ion 107.00


Ion 122.00


Ion 121.00

Data File: \\target\share\chem3\nt14.i\20221230B.b\NT1422123051.D

Date : 31-DEC-2022 14:29

Client ID:

Instrument: nt14.i

Sample Info: SKL0355-LCV1

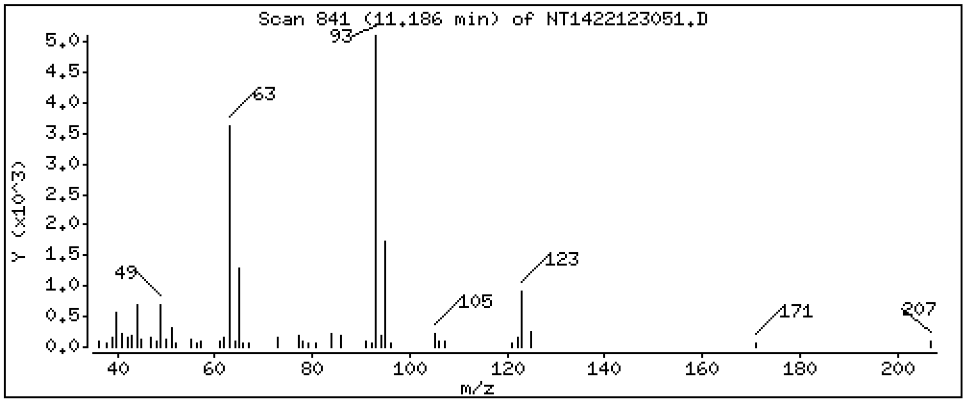
Operator: VTS

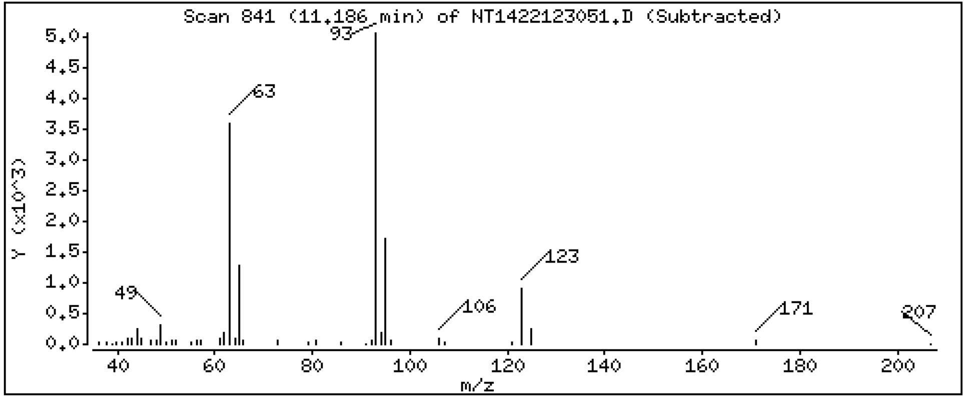
Column phase: ZB-5msi

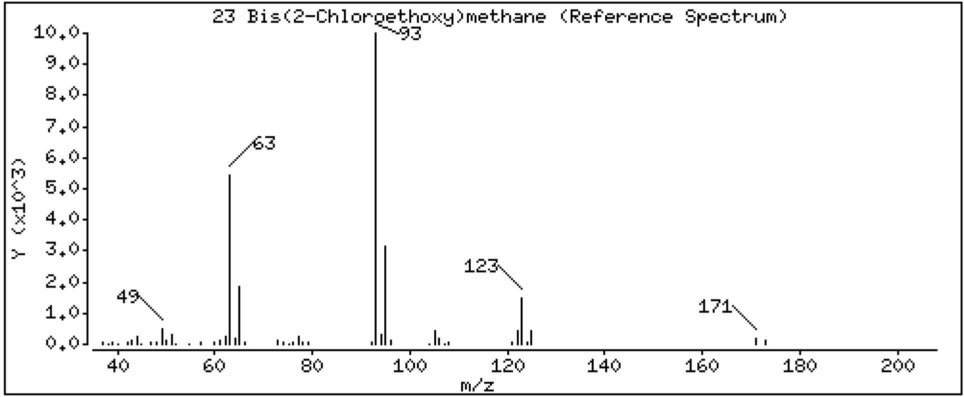
Column diameter: 0.25

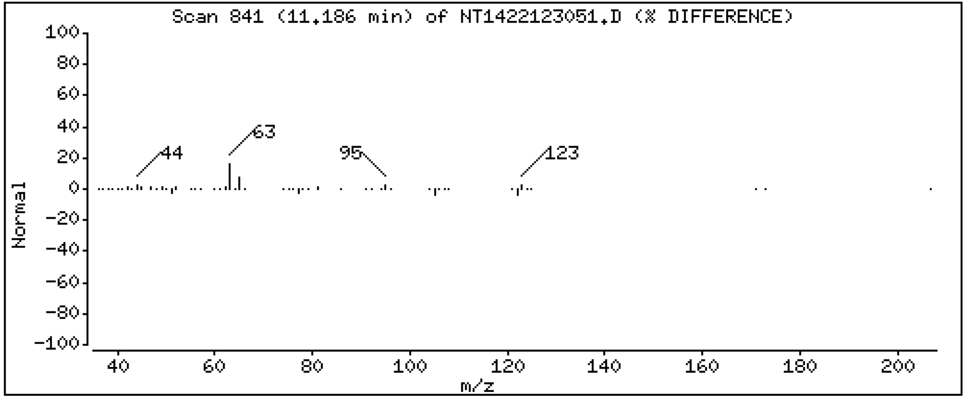
23 Bis(2-Chloroethoxy)methane

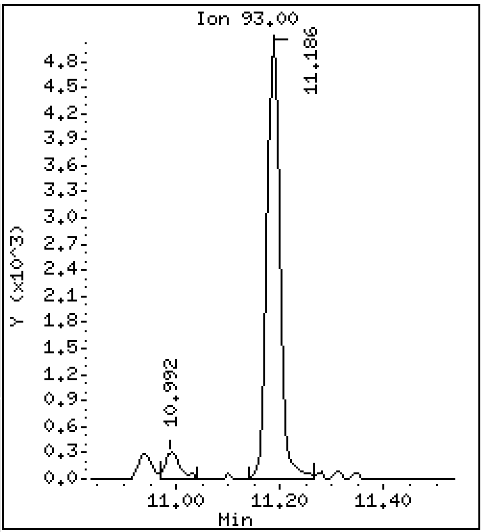
Concentration: 0.2358 ug/mL

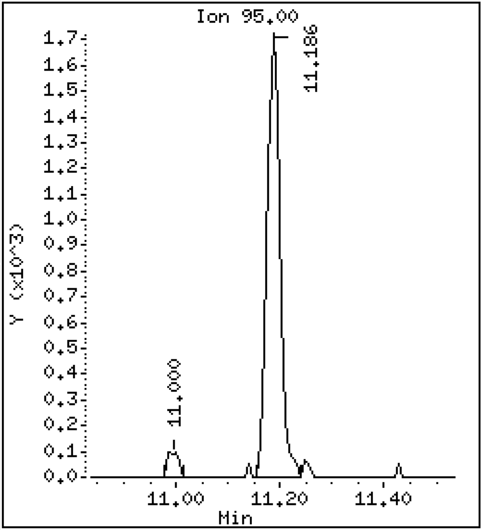


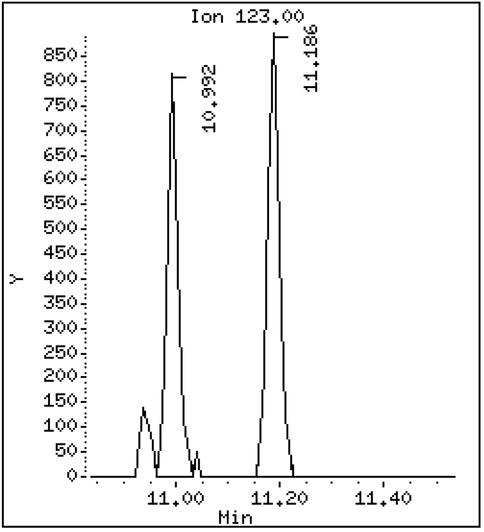












Data File: \\target\share\chem3\nt14.i\20221230B.b\NT1422123051.D

Date : 31-DEC-2022 14:29

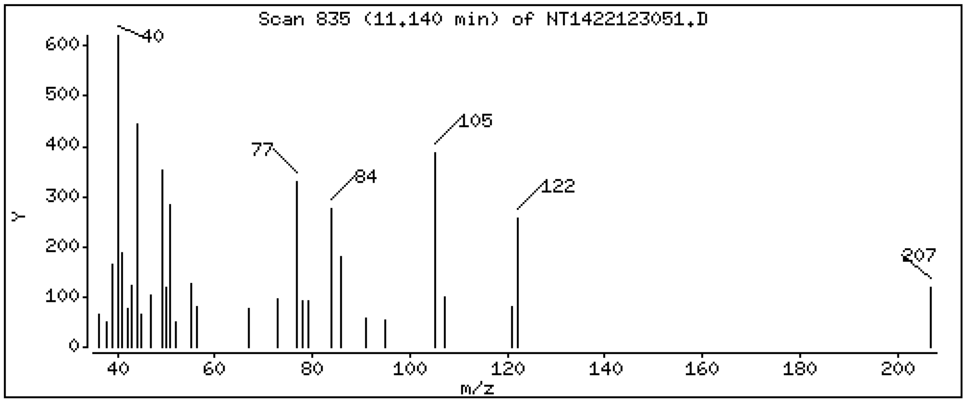
Client ID: Instrument: nt14.i

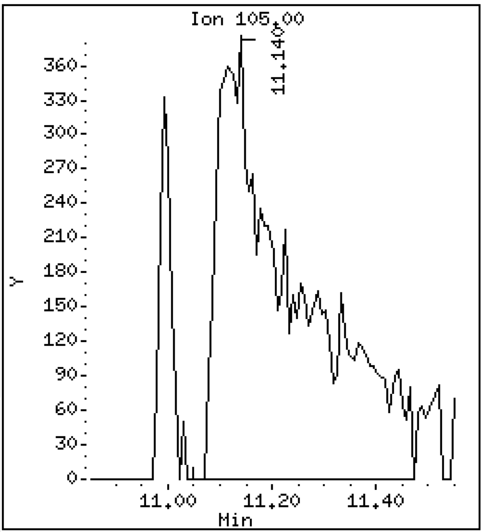
Sample Info: SKL0355-LCV1

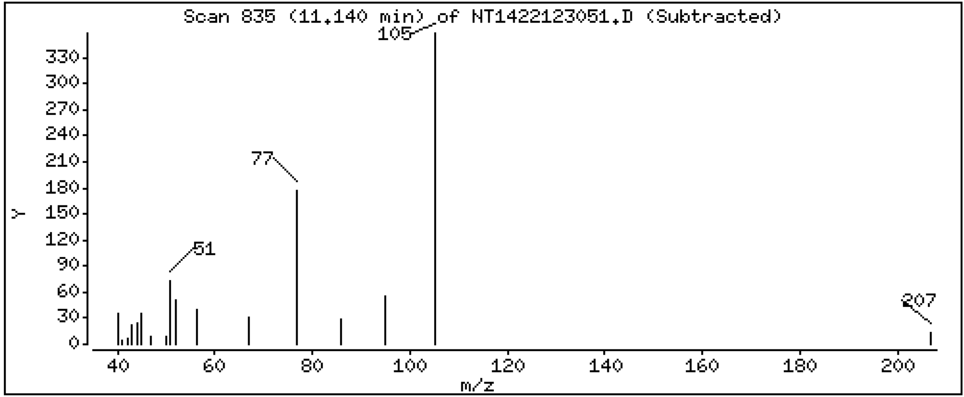
Operator: VTS

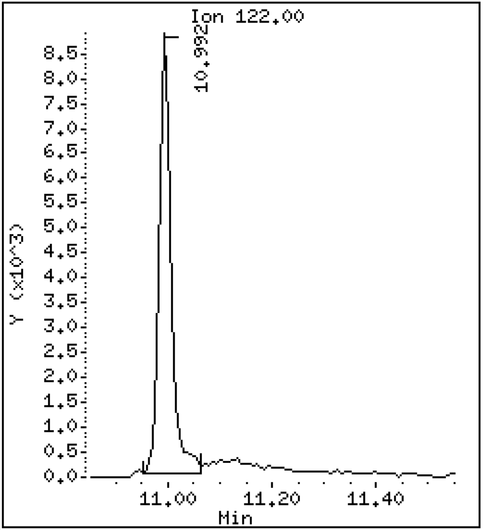
Column phase: ZB-5msi Column diameter: 0.25

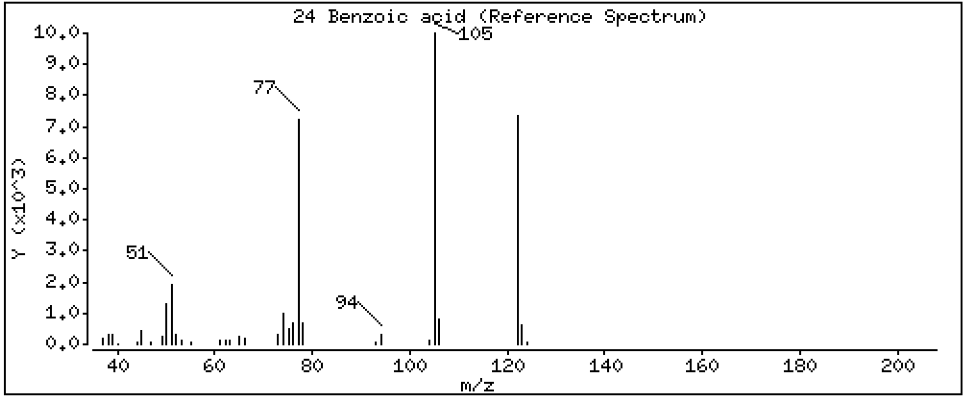
24 Benzoic acid Concentration: 0.1748 ug/mL

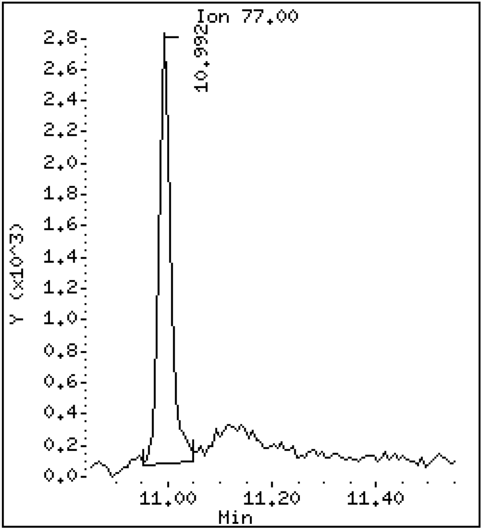

Scan 835 (11.140 min) of NT1422123051.D

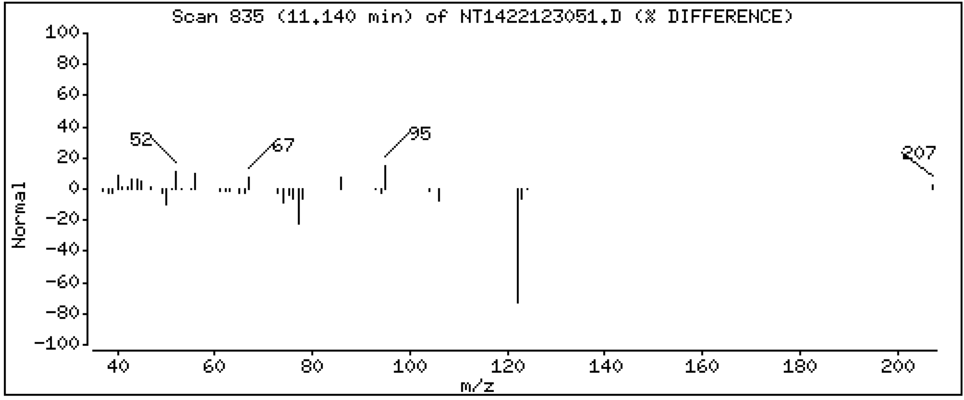

Ion 105.00


Scan 835 (11.140 min) of NT1422123051.D (Subtracted)


Ion 122.00


24 Benzoic acid (Reference Spectrum)


Ion 77.00


Scan 835 (11.140 min) of NT1422123051.D (% DIFFERENCE)

Data File: \\target\share\chem3\nt14.i\20221230B.b\NT1422123051.D

Date : 31-DEC-2022 14:29

Client ID:

Instrument: nt14.i

Sample Info: SKL0355-LCV1

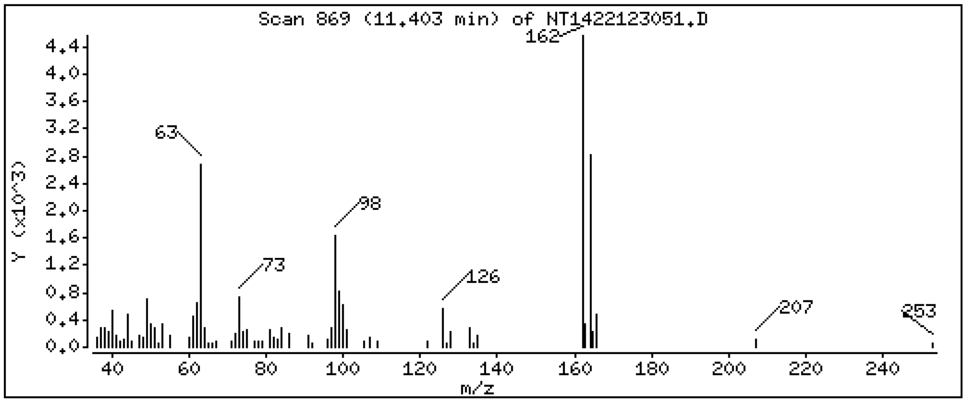
Operator: VTS

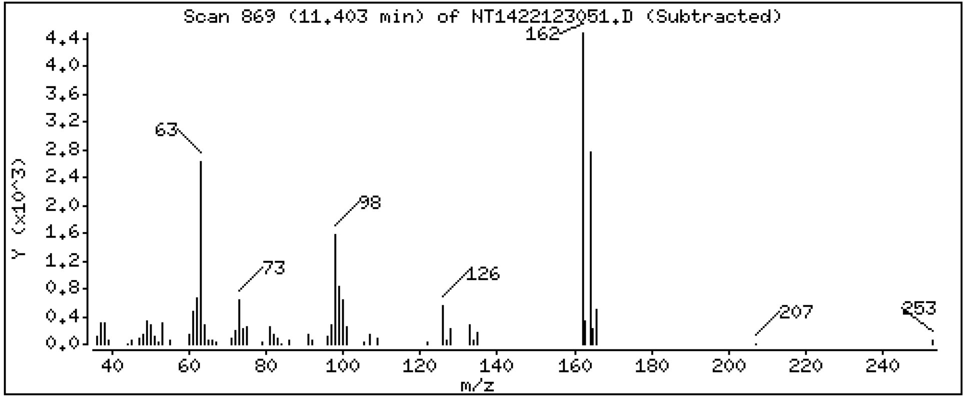
Column phase: ZB-5msi

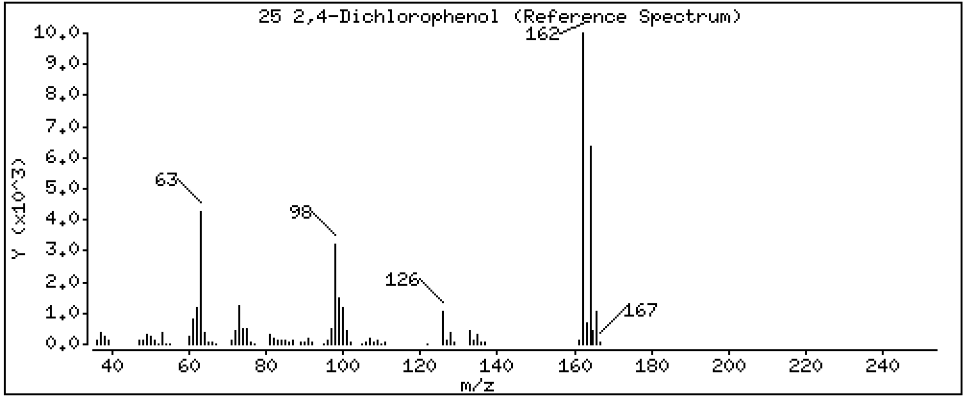
Column diameter: 0.25

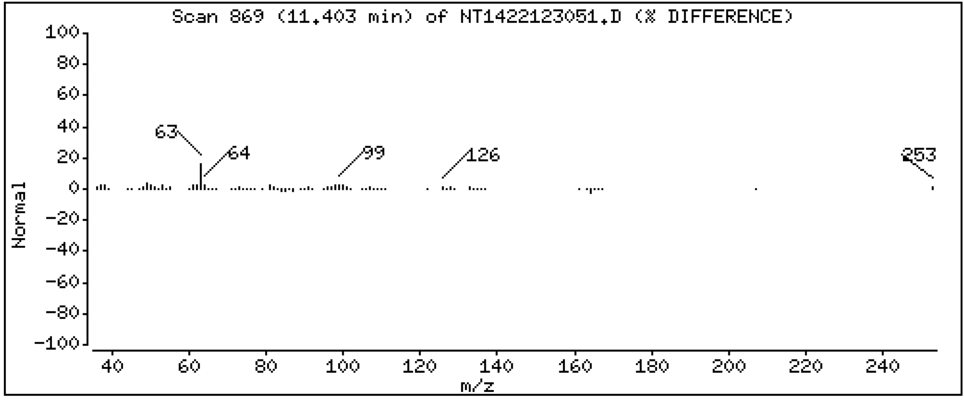
25 2,4-Dichlorophenol

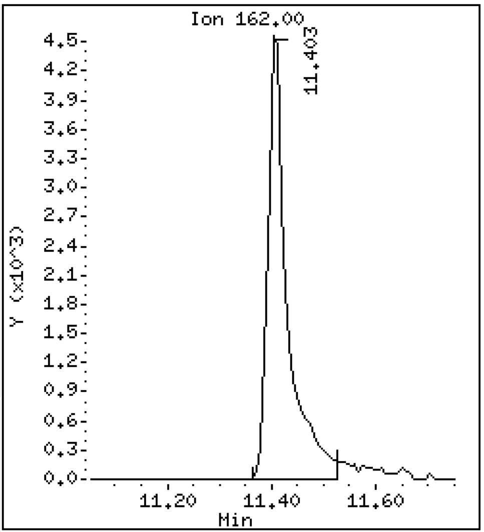
Concentration: 0.4132 ug/mL

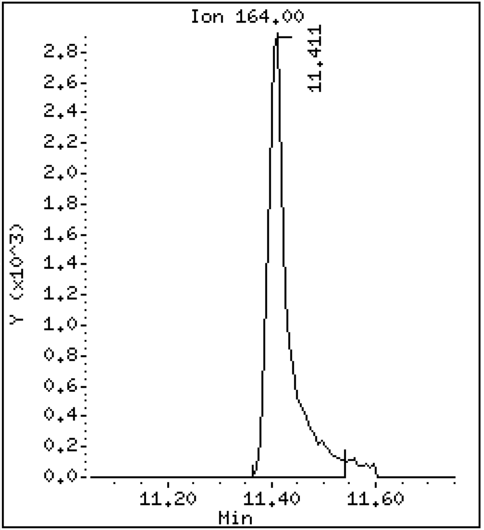


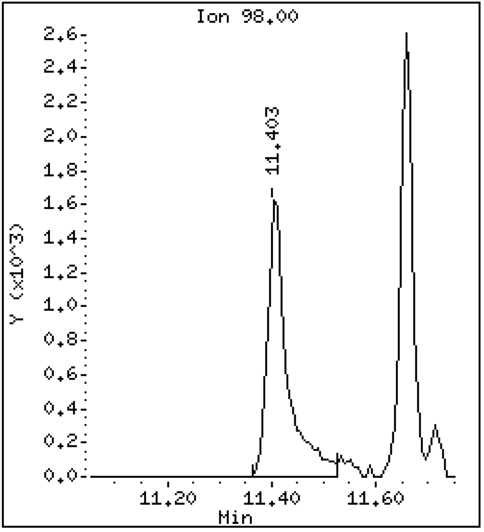












Data File: \\target\share\chem3\nt14.i\20221230B.b\NT1422123051.D

Date : 31-DEC-2022 14:29

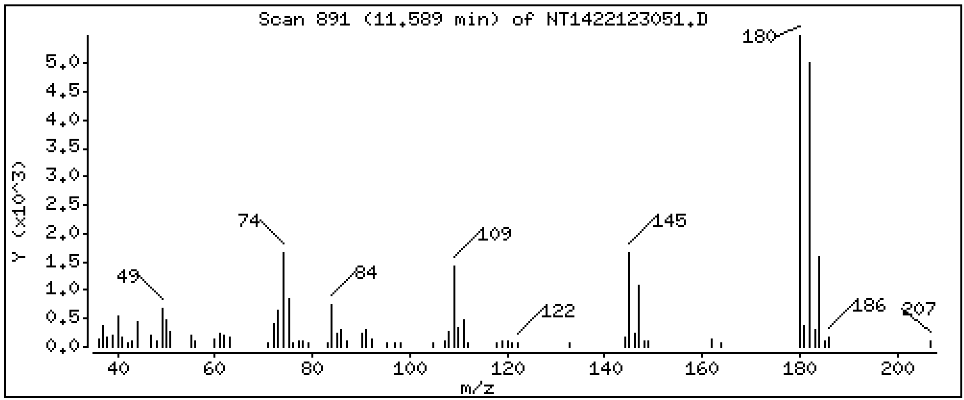
Client ID: Instrument: nt14.i

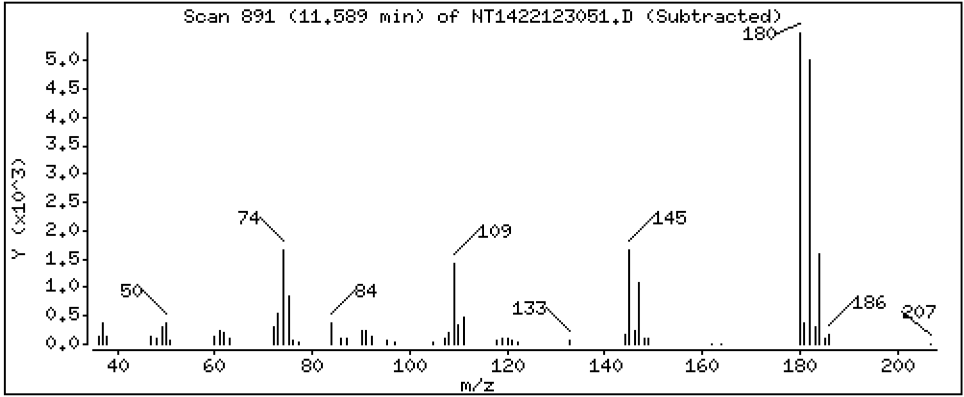
Sample Info: SKL0355-LCV1

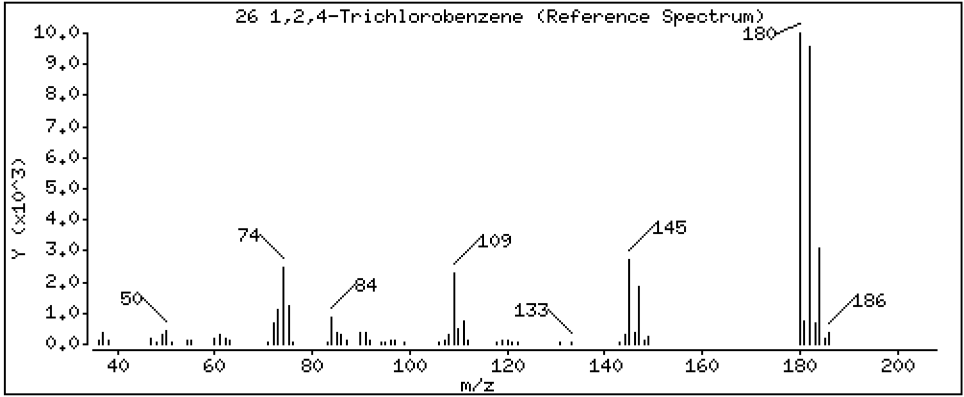
Operator: VTS

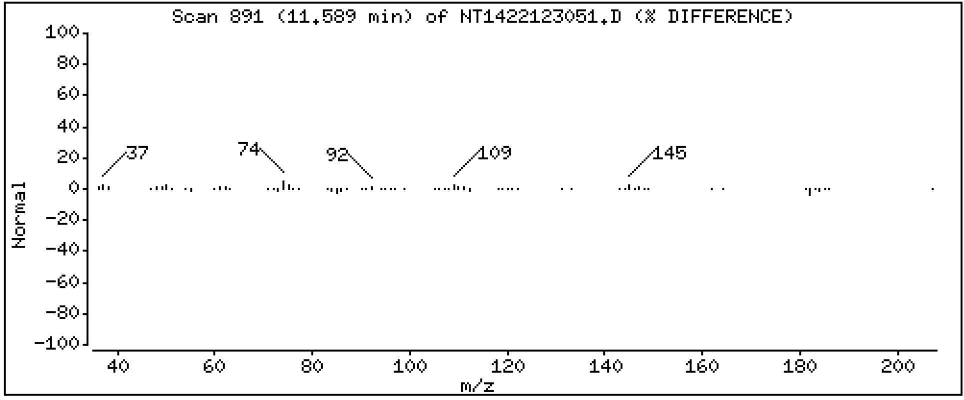
Column phase: ZB-5msi Column diameter: 0.25

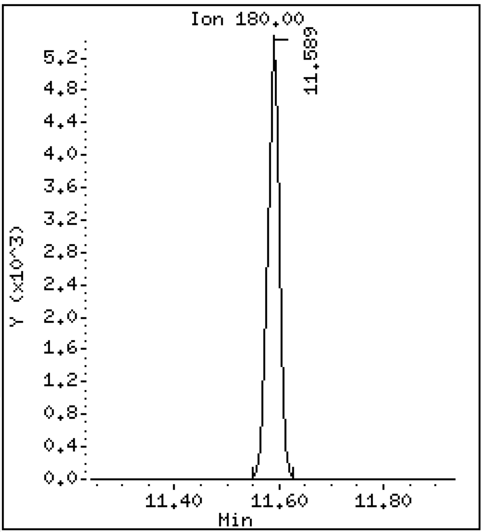
26 1,2,4-Trichlorobenzene Concentration: 0.2422 ug/mL

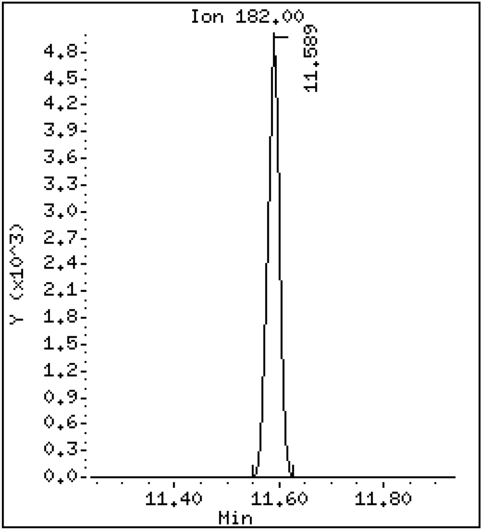

Scan 891 (11.589 min) of NT1422123051.D

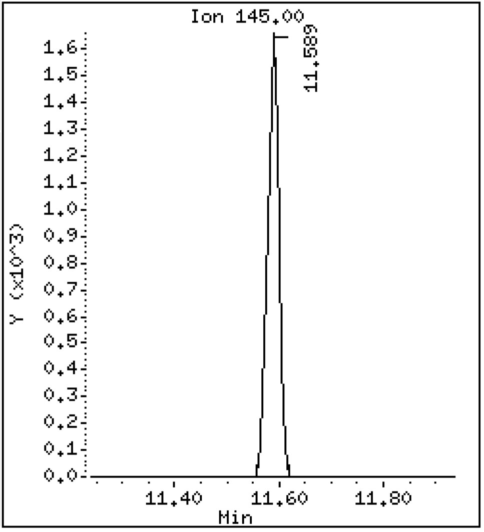

Scan 891 (11.589 min) of NT1422123051.D (Subtracted)


26 1,2,4-Trichlorobenzene (Reference Spectrum)


Scan 891 (11.589 min) of NT1422123051.D (% DIFFERENCE)


Ion 180.00


Ion 182.00


Ion 145.00

Data File: \\target\share\chem3\nt14.i\20221230B.b\NT1422123051.D

Date : 31-DEC-2022 14:29

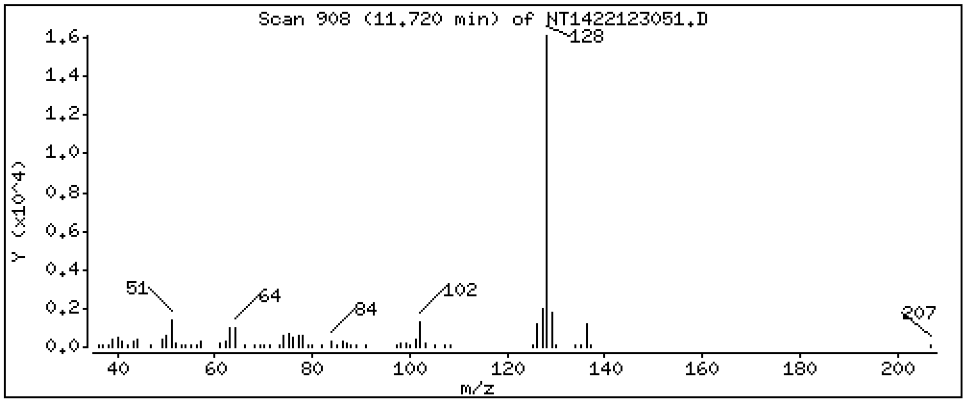
Client ID:
Instrument: nt14.i

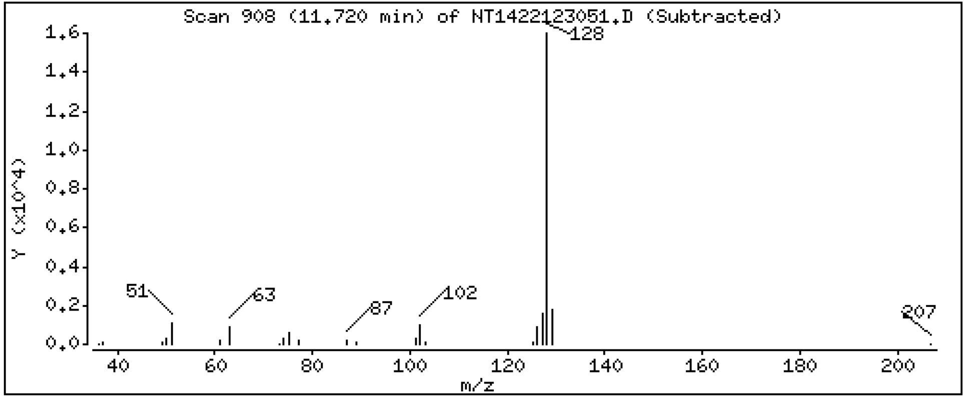
Sample Info: SKL0355-LCV1

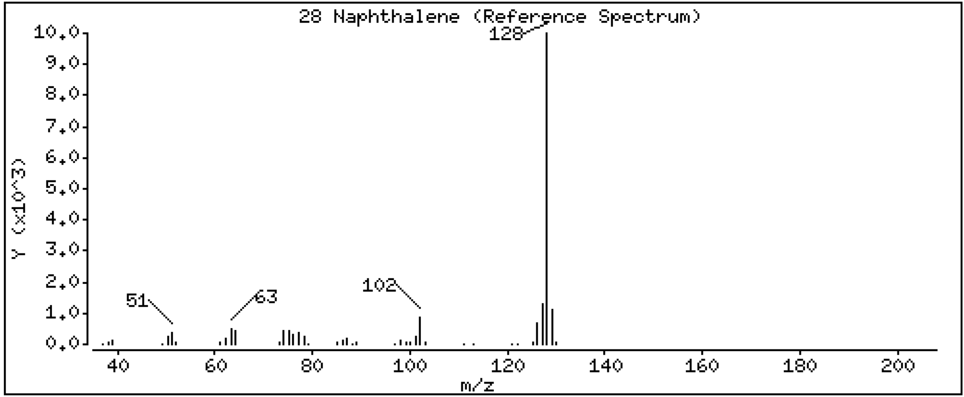
Operator: VTS

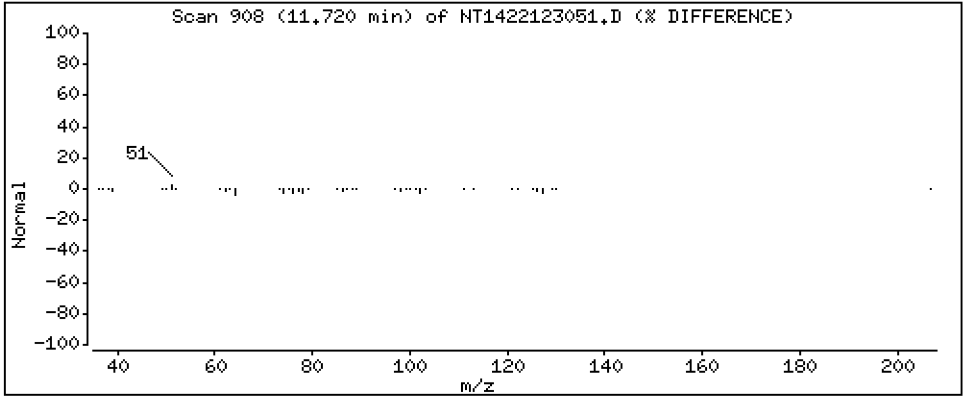
Column phase: ZB-5msi
Column diameter: 0.25

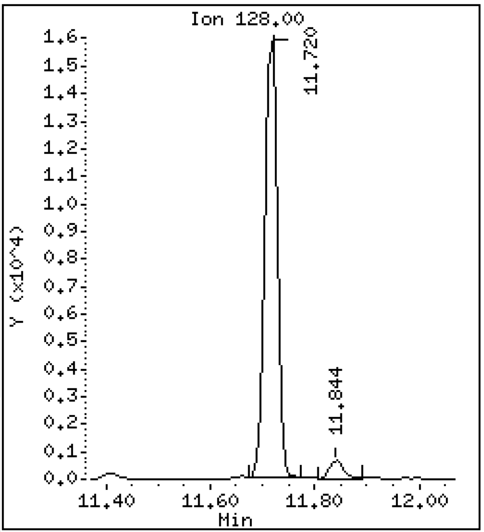
28 Naphthalene
Concentration: 0.2377 ug/mL

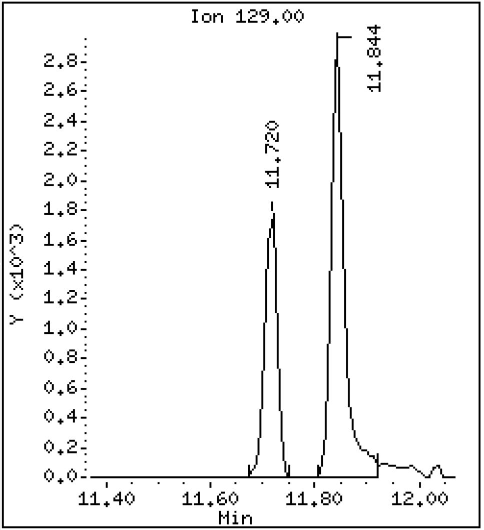


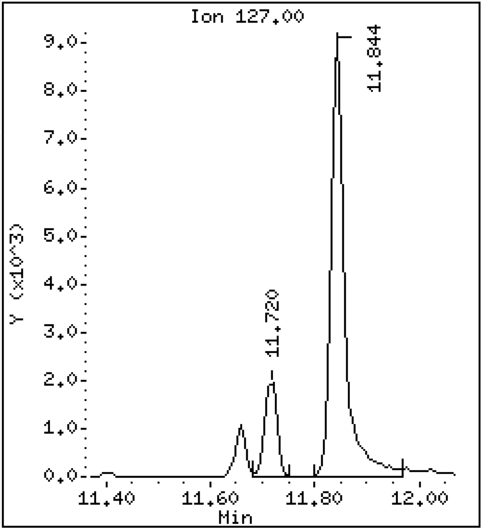












Data File: \\target\share\chem3\nt14.i\20221230B.b\NT1422123051.D

Date : 31-DEC-2022 14:29

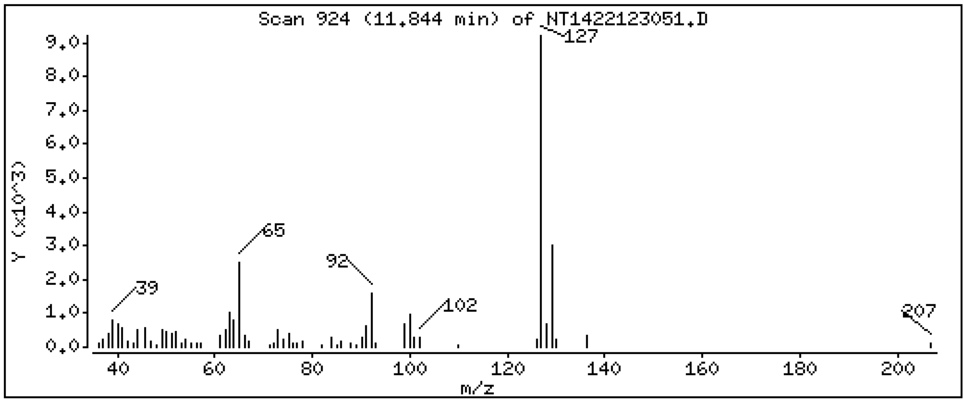
Client ID: Instrument: nt14.i

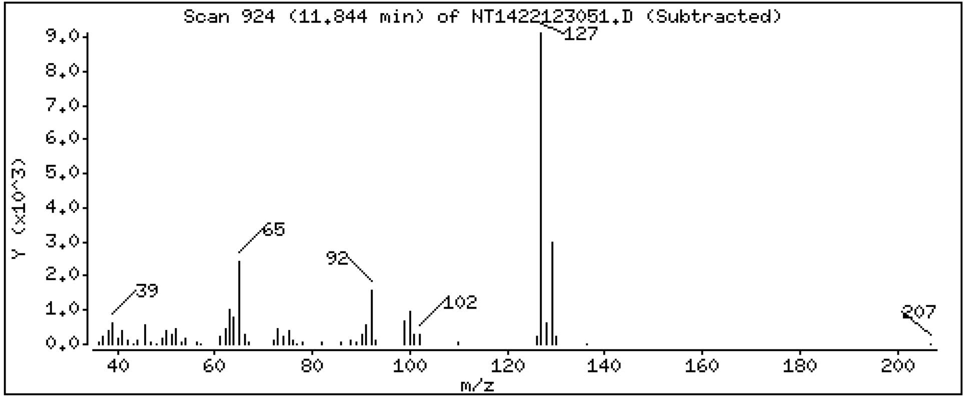
Sample Info: SKL0355-LCV1

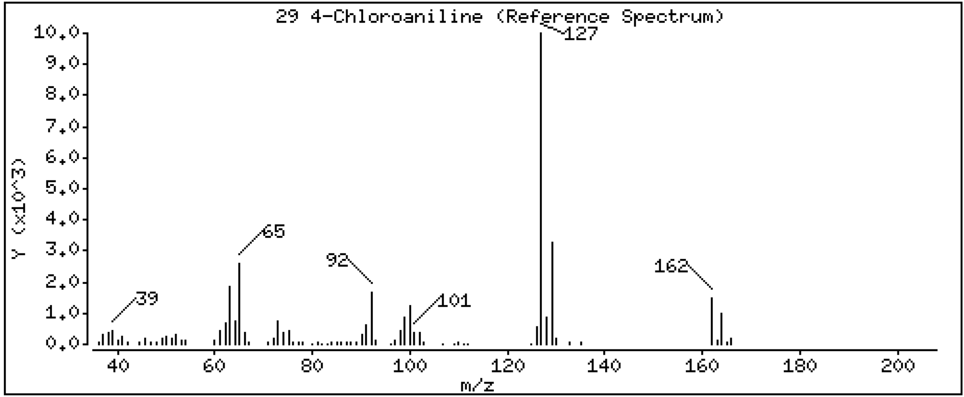
Operator: VTS

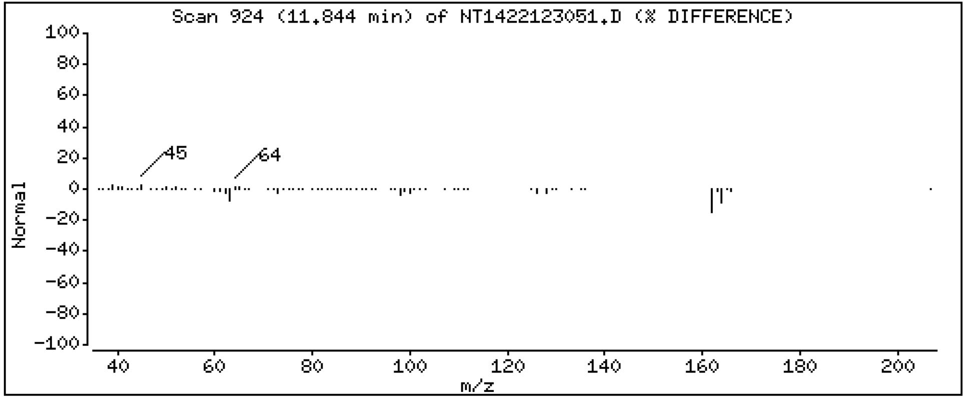
Column phase: ZB-5msi Column diameter: 0.25

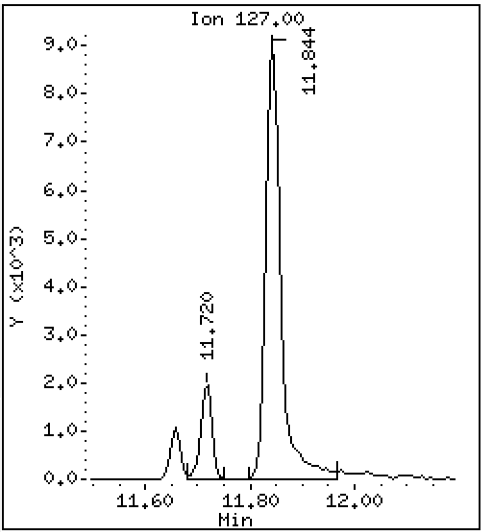
29 4-Chloroaniline Concentration: 0.4058 ug/mL

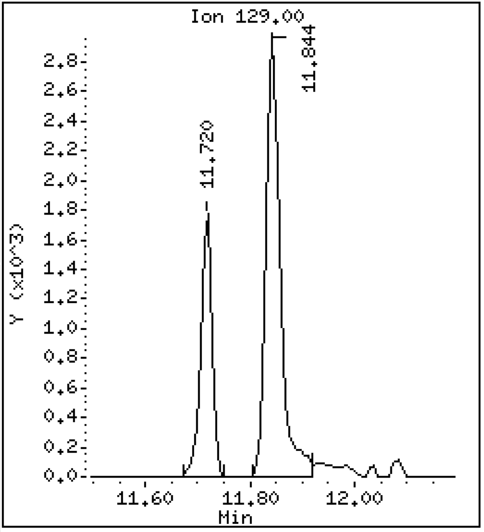

Scan 924 (11.844 min) of NT1422123051.D


Scan 924 (11.844 min) of NT1422123051.D (Subtracted)


29 4-Chloroaniline (Reference Spectrum)


Scan 924 (11.844 min) of NT1422123051.D (% DIFFERENCE)


Ion 127.00


Ion 129.00

Data File: \\target\share\chem3\nt14.i\20221230B.b\NT1422123051.D

Date : 31-DEC-2022 14:29

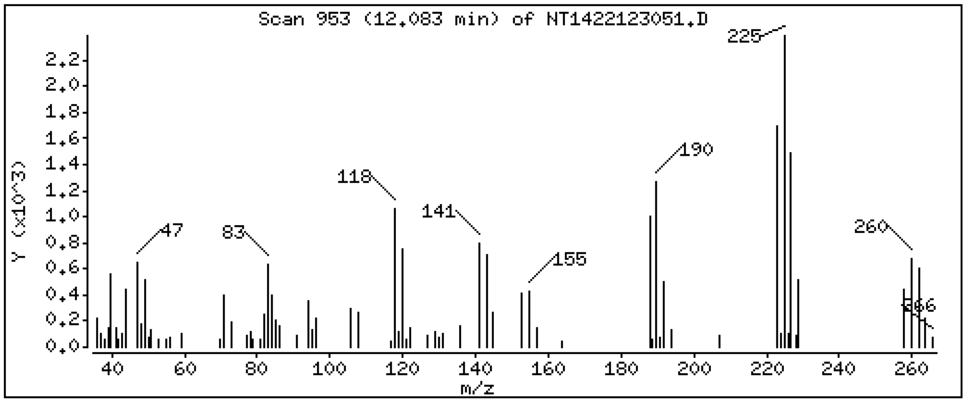
Client ID: Instrument: nt14.i

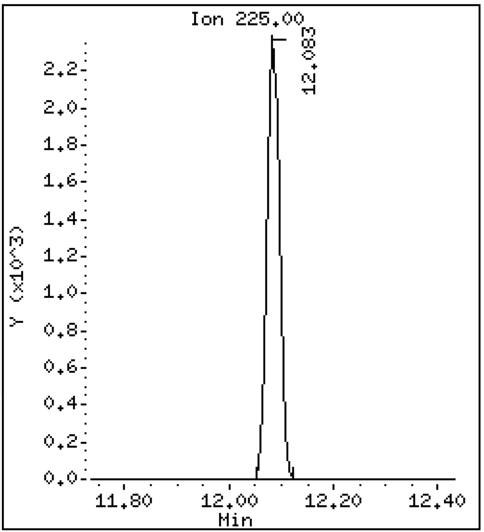
Sample Info: SKL0355-LCV1

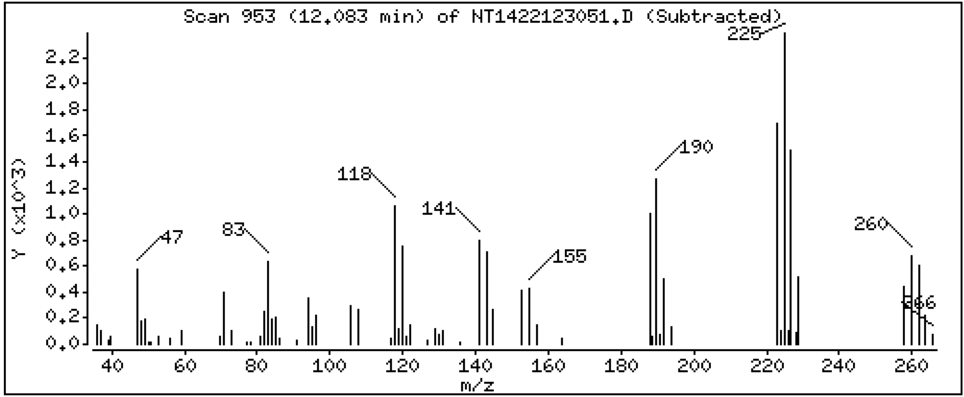
Operator: VTS

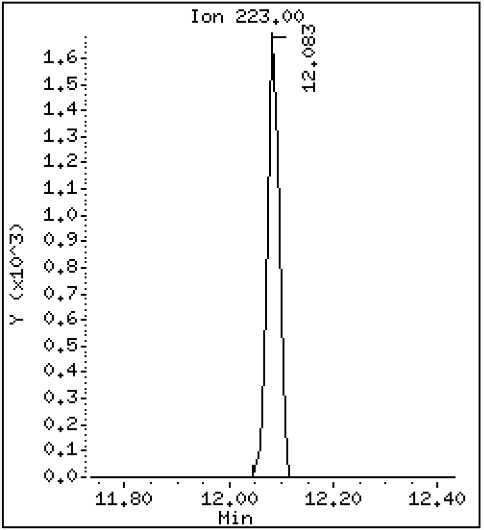
Column phase: ZB-5msi Column diameter: 0.25

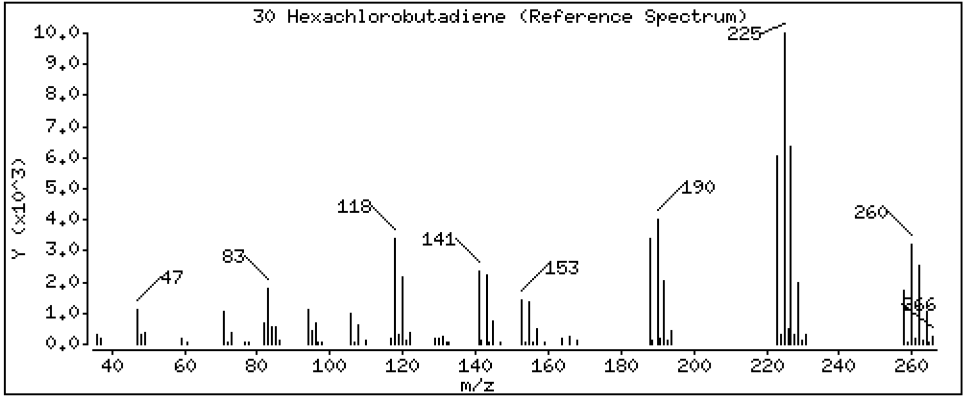
30 Hexachlorobutadiene Concentration: 0.2223 ug/mL

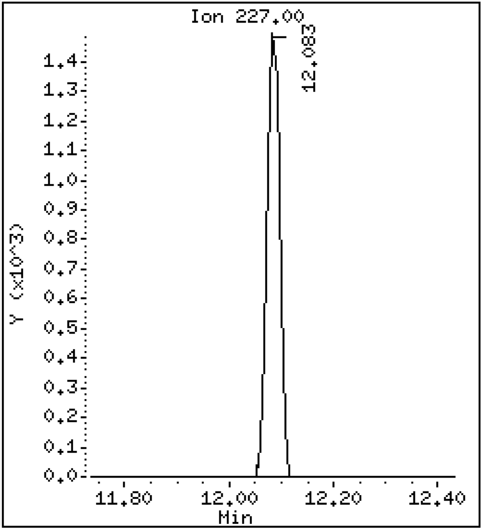


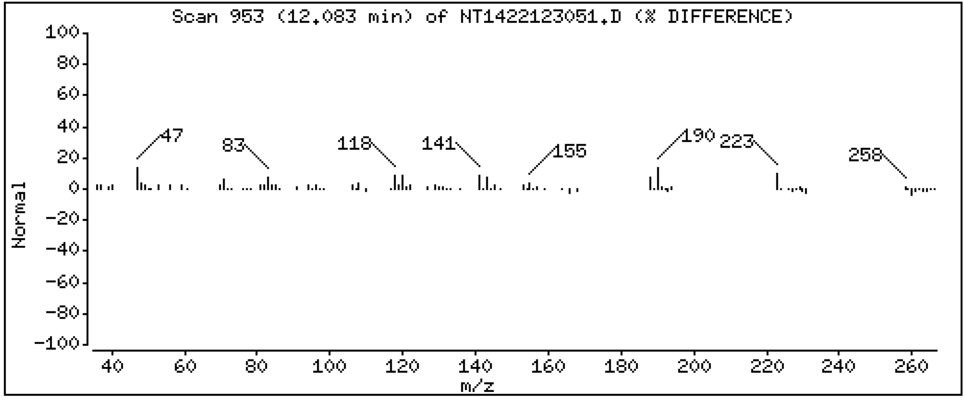












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Date : 31-DEC-2022 14:29

Client ID:

Instrument: nt14.i

Sample Info: SKL0355-LCV1

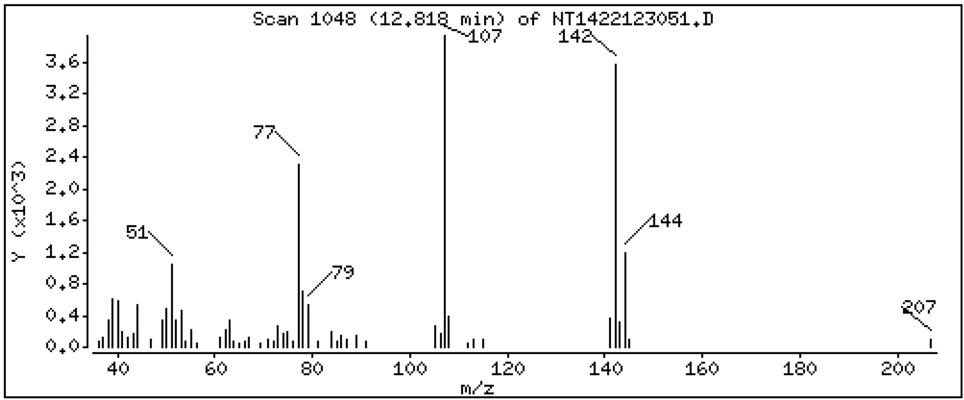
Operator: VTS

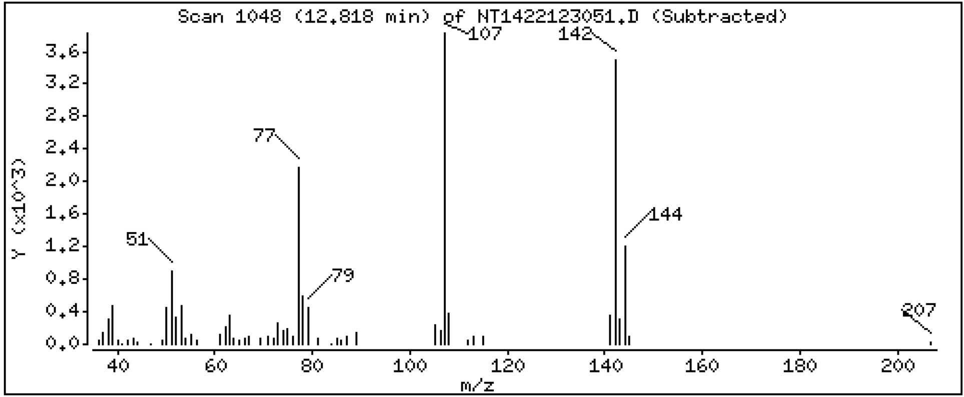
Column phase: ZB-5msi

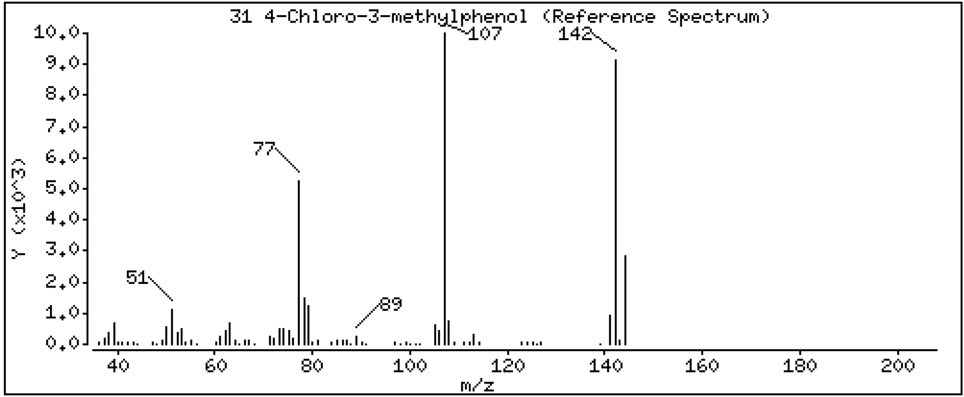
Column diameter: 0.25

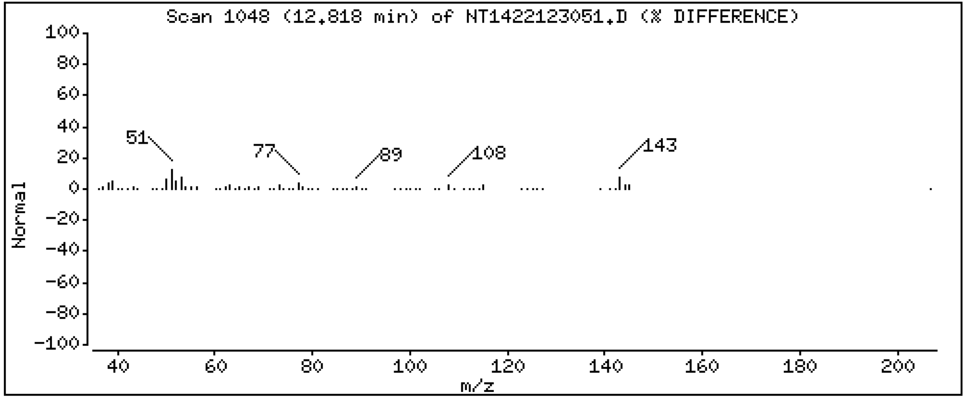
31 4-Chloro-3-methylphenol

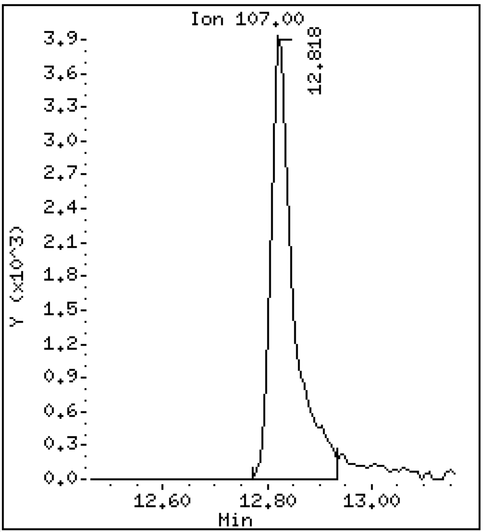
Concentration: 0.4010 ug/mL

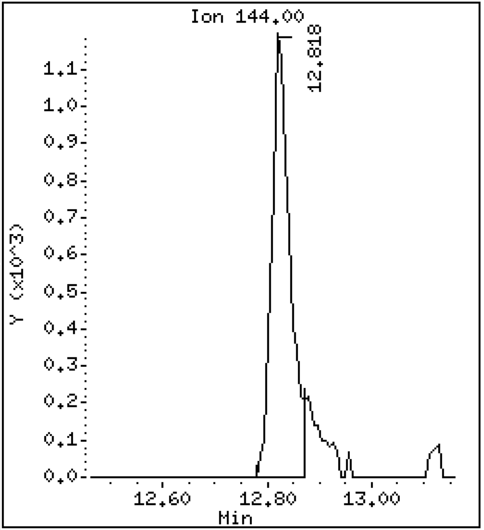

Scan 1048 (12.818 min) of NT1422123051.D

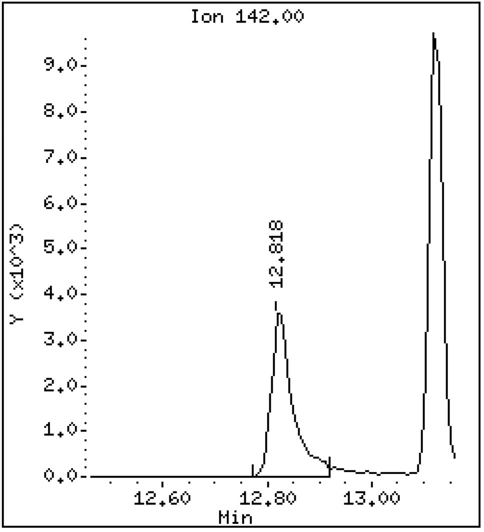

Scan 1048 (12.818 min) of NT1422123051.D (Subtracted)


31 4-Chloro-3-methylphenol (Reference Spectrum)


Scan 1048 (12.818 min) of NT1422123051.D (% DIFFERENCE)


Ion 107.00


Ion 144.00


Ion 142.00

Data File: \\target\share\chem3\nt14.i\20221230B.b\NT1422123051.D

Date : 31-DEC-2022 14:29

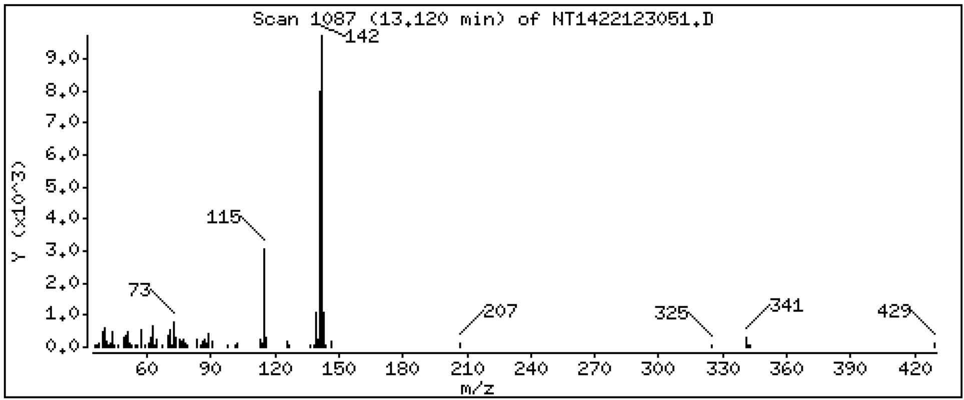
Client ID: Instrument: nt14.i

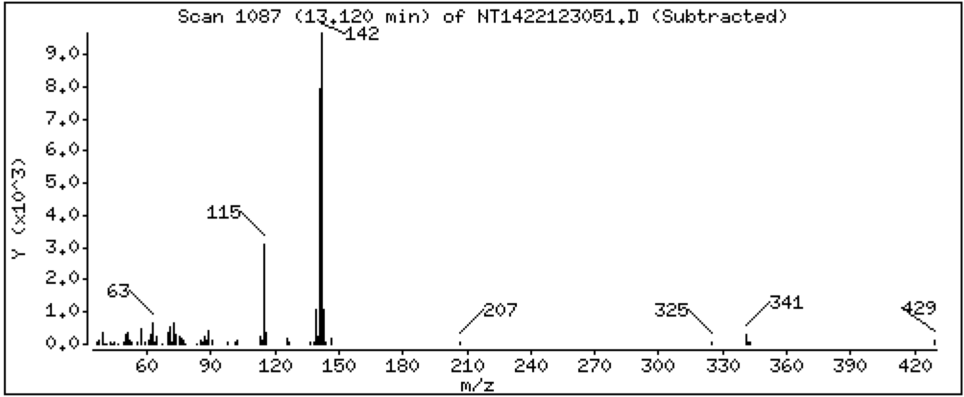
Sample Info: SKL0355-LCV1

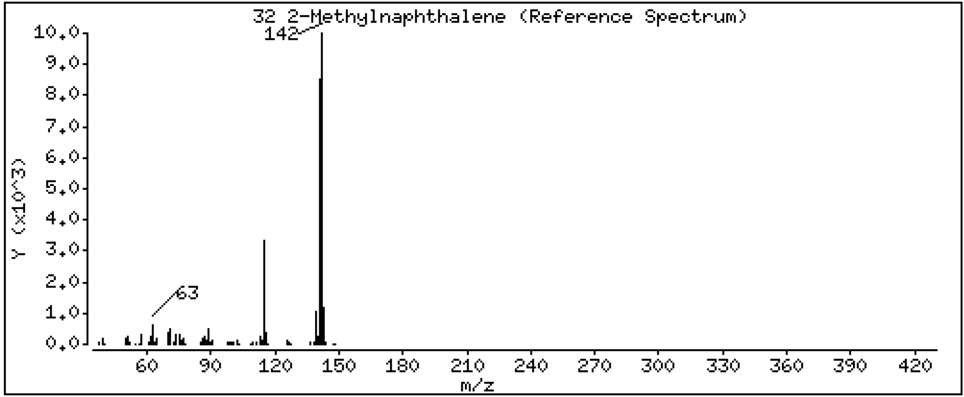
Operator: VTS

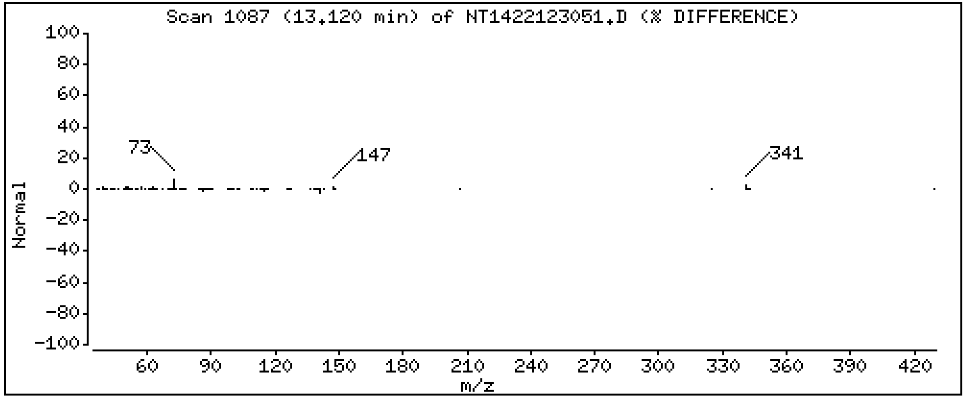
Column phase: ZB-5msi Column diameter: 0.25

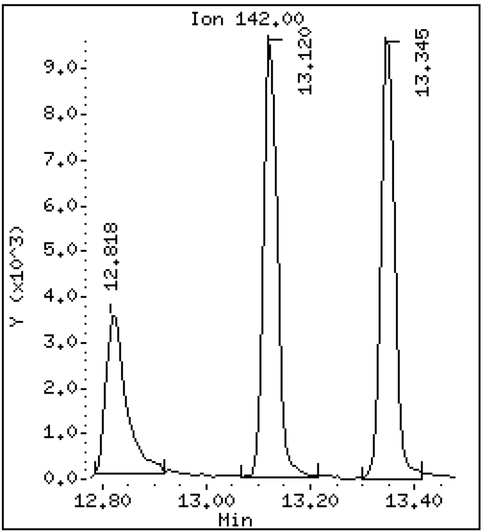
32 2-Methylnaphthalene Concentration: 0.2231 ug/mL

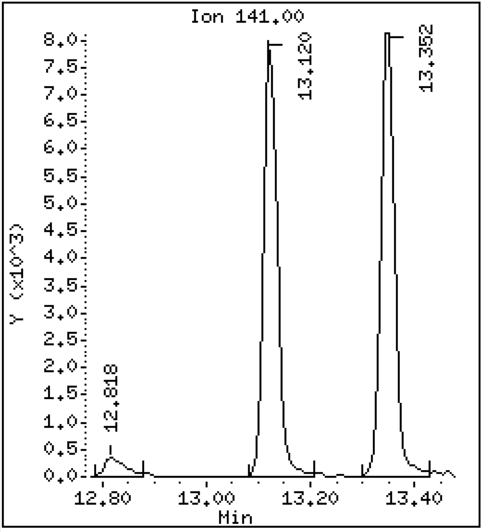












Data File: \\target\share\chem3\nt14.i\20221230B.b\NT1422123051.D

Date : 31-DEC-2022 14:29

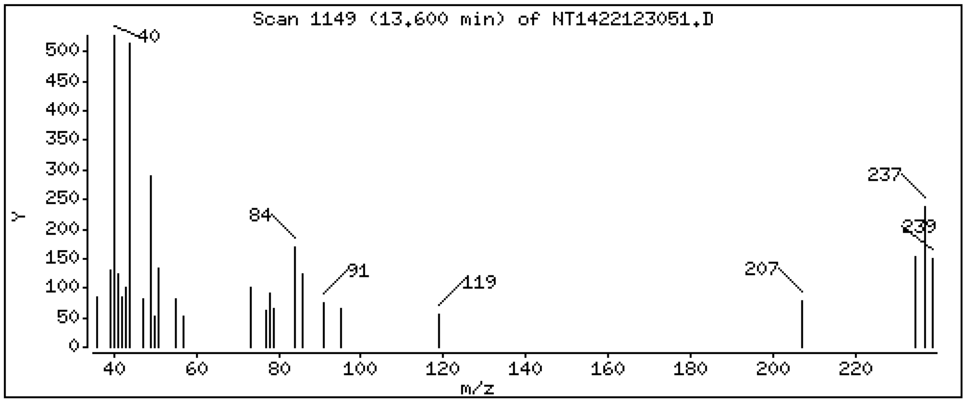
Client ID: Instrument: nt14.i

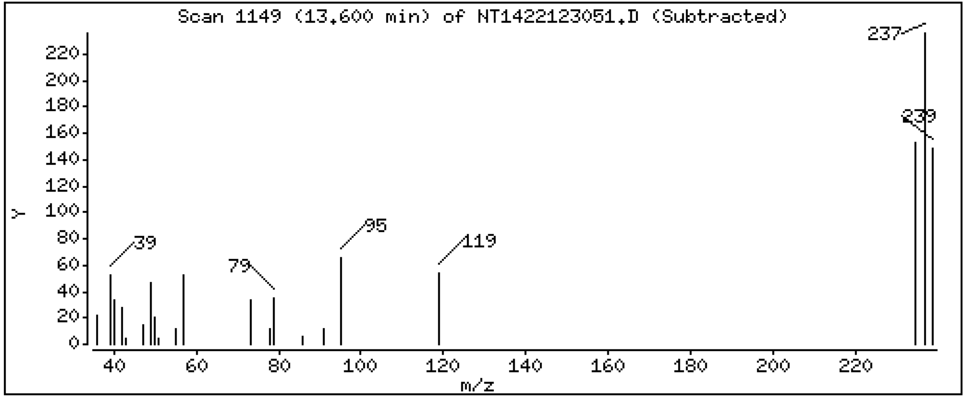
Sample Info: SKL0355-LCV1

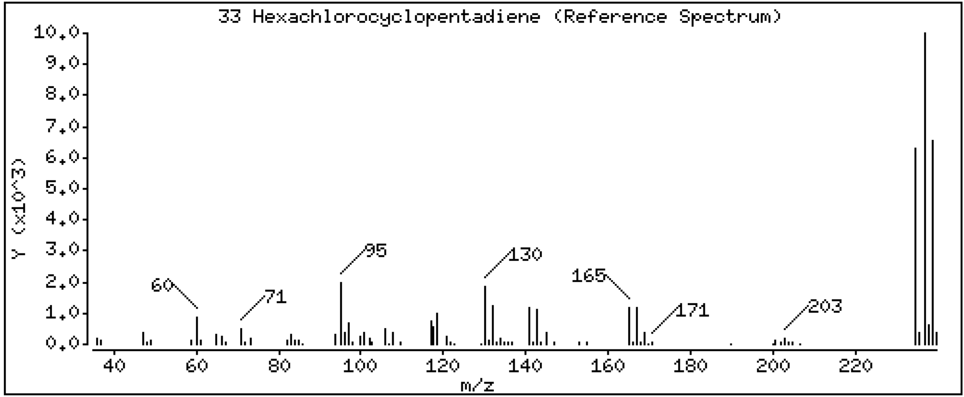
Operator: VTS

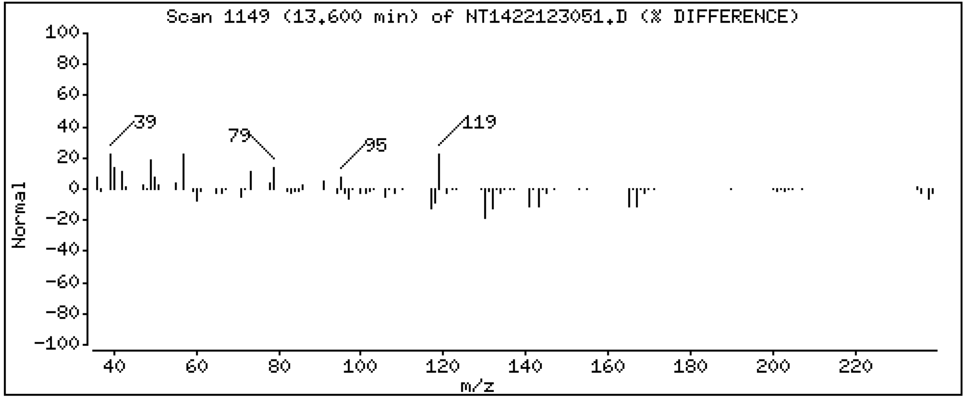
Column phase: ZB-5msi Column diameter: 0.25

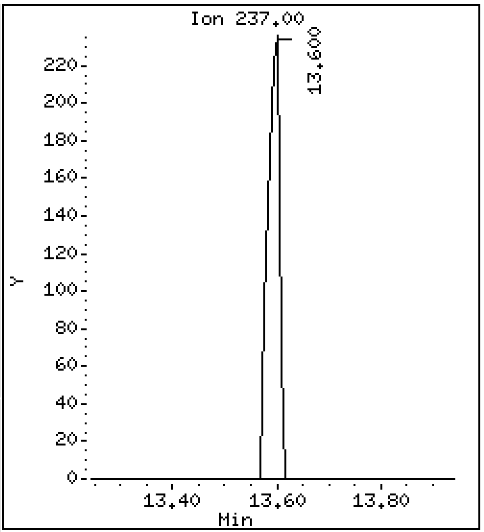
33 Hexachlorocyclopentadiene Concentration: 0.02150 ug/mL

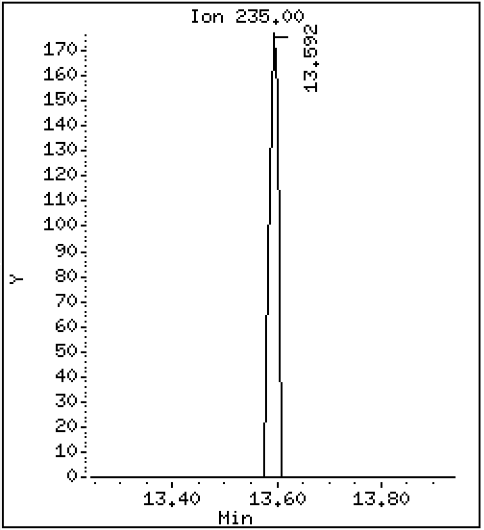

Scan 1149 (13.600 min) of NT1422123051.D


Scan 1149 (13.600 min) of NT1422123051.D (Subtracted)


33 Hexachlorocyclopentadiene (Reference Spectrum)


Scan 1149 (13.600 min) of NT1422123051.D (% DIFFERENCE)


Ion 237.00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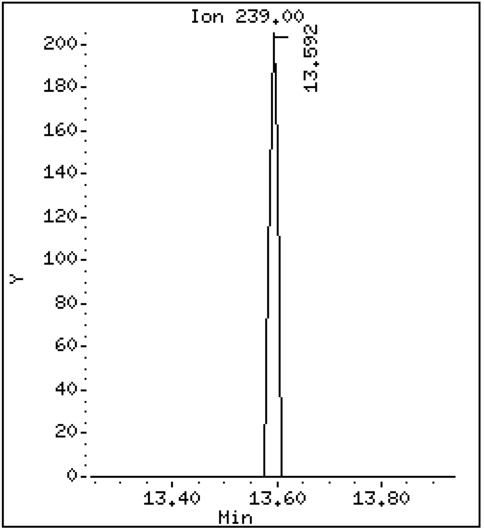

Ion 239.00

Data File: \\target\share\chem3\nt14.i\20221230B.b\NT1422123051.D

Date : 31-DEC-2022 14:29

Client ID:

Instrument: nt14.i

Sample Info: SKL0355-LCV1

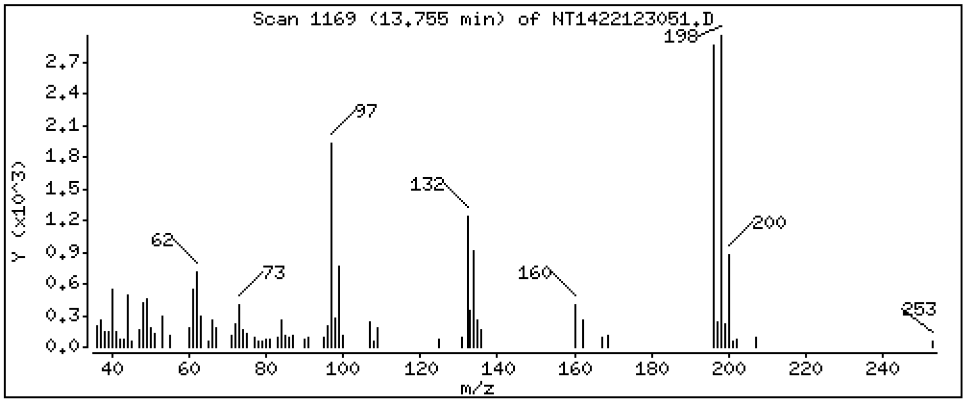
Operator: VTS

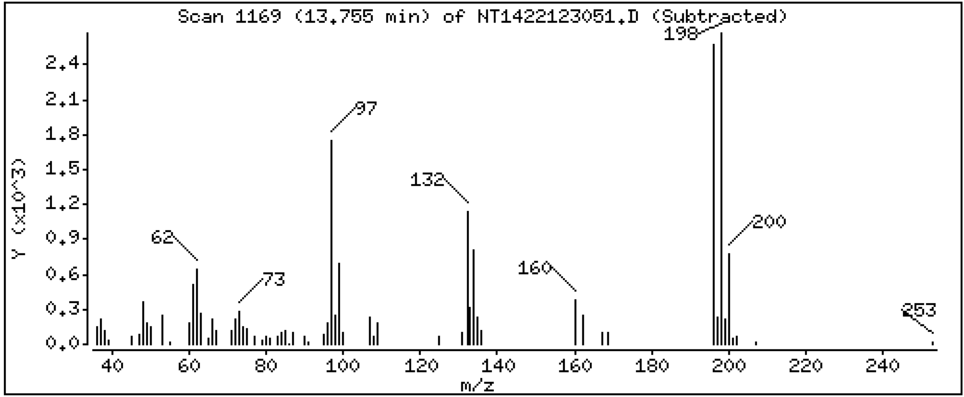
Column phase: ZB-5msi

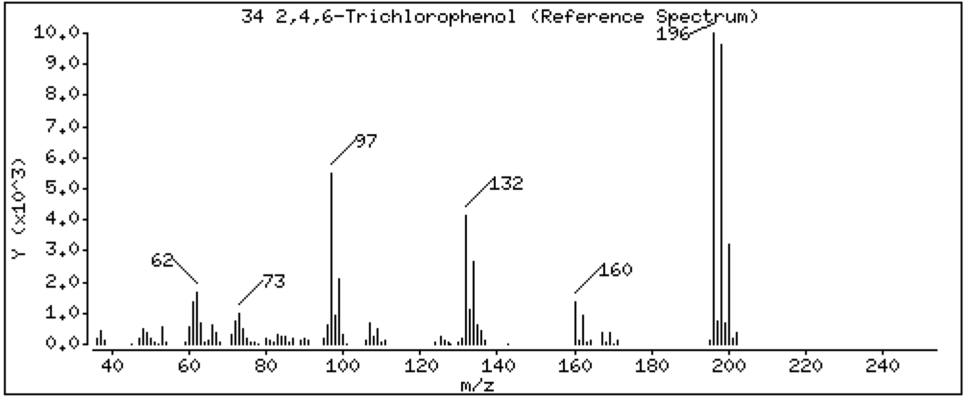
Column diameter: 0.25

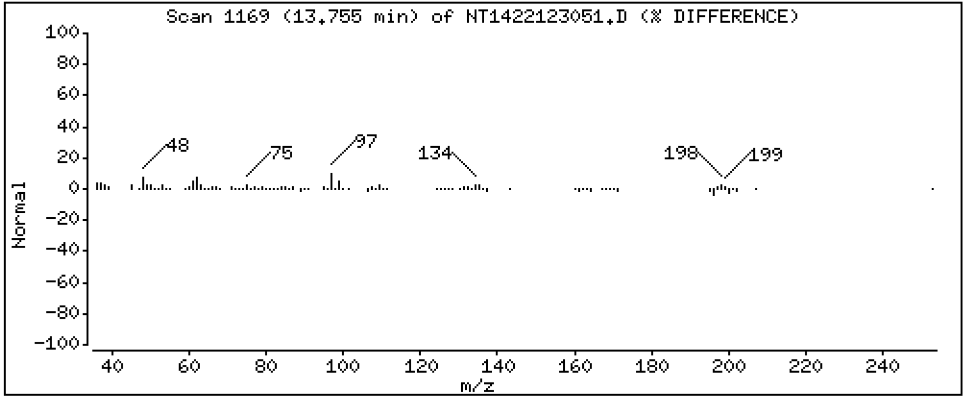
34 2,4,6-Trichlorophenol

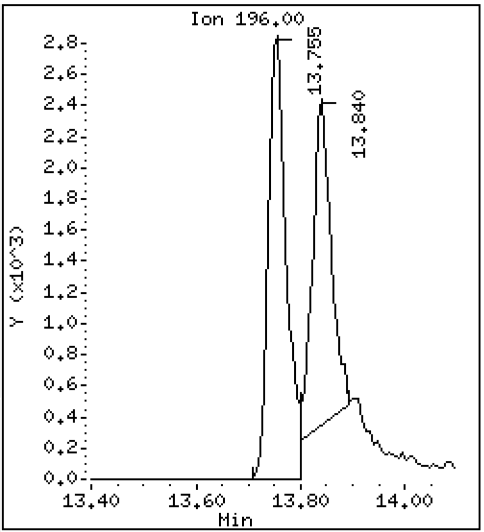
Concentration: 0.3746 ug/mL

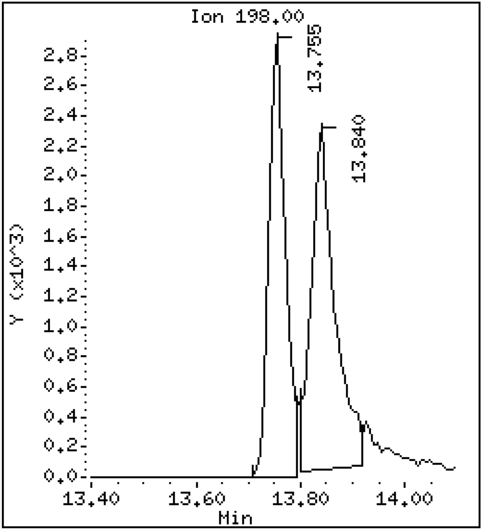


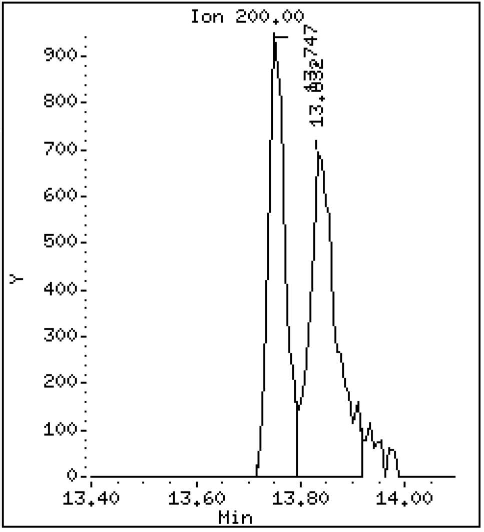












Data File: \\target\share\chem3\nt14.i\20221230B.b\NT1422123051.D

Date : 31-DEC-2022 14:29

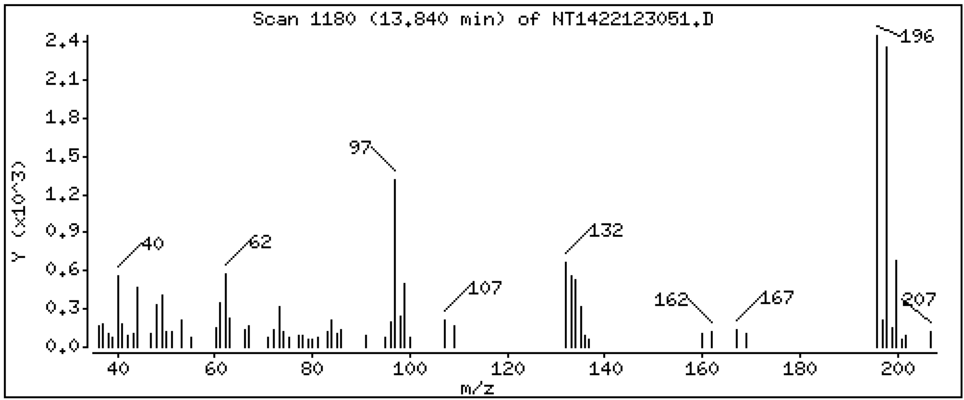
Client ID: Instrument: nt14.i

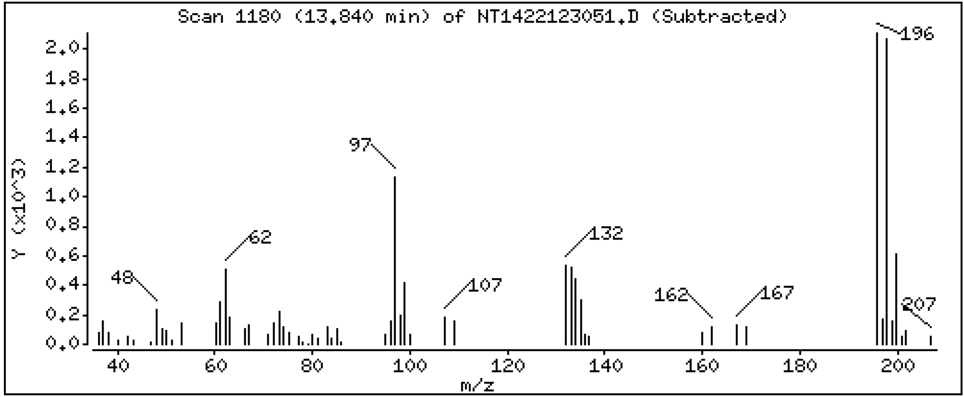
Sample Info: SKL0355-LCV1

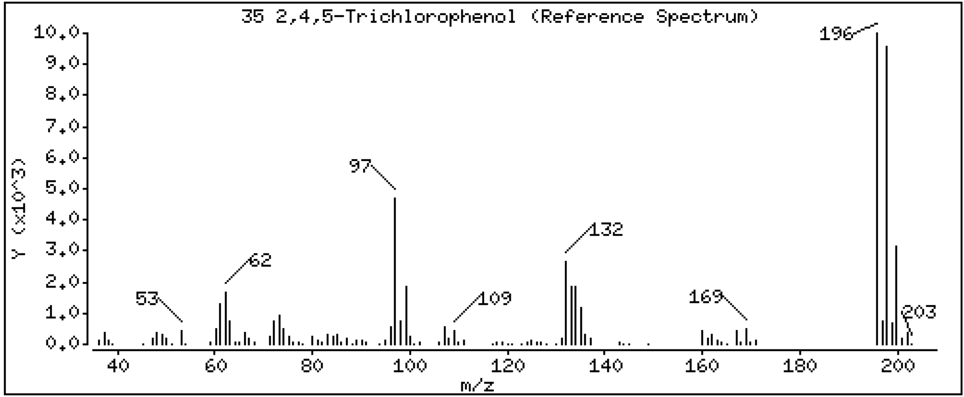
Operator: VTS

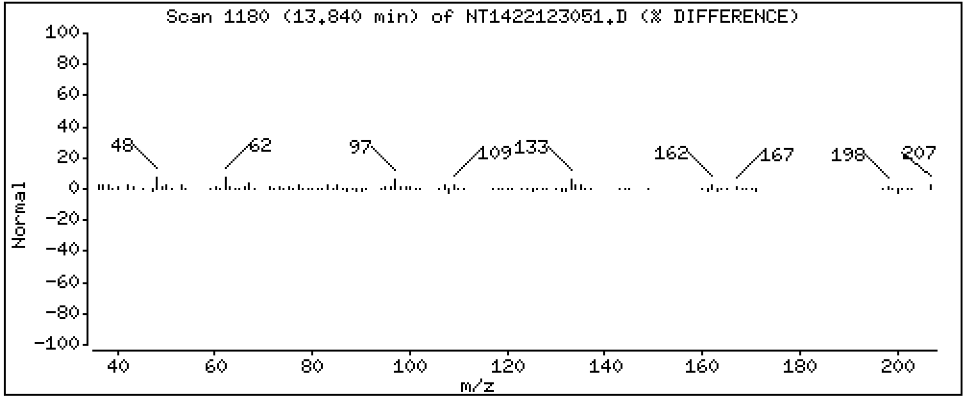
Column phase: ZB-5msi Column diameter: 0.25

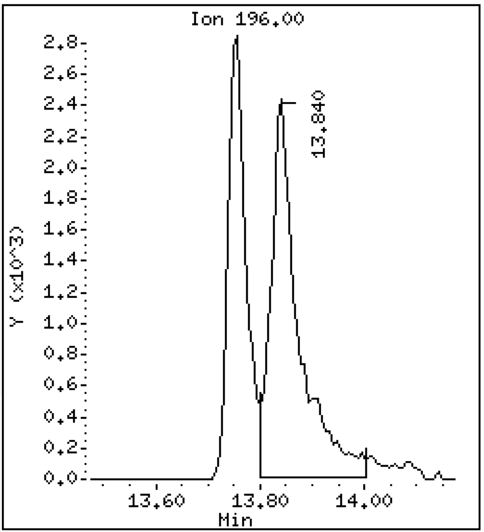
35 2,4,5-Trichlorophenol Concentration: 0.4316 ug/mL

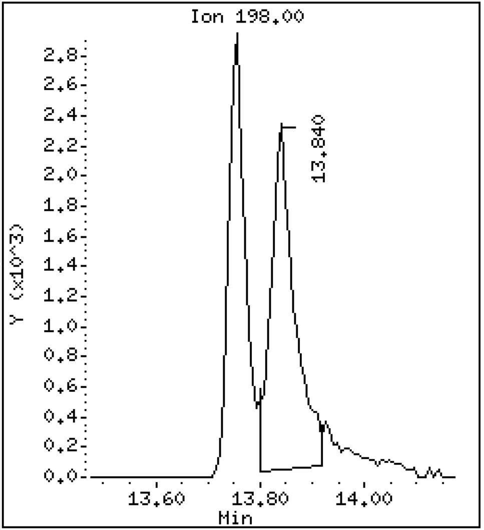

Scan 1180 (13.840 min) of NT1422123051.D

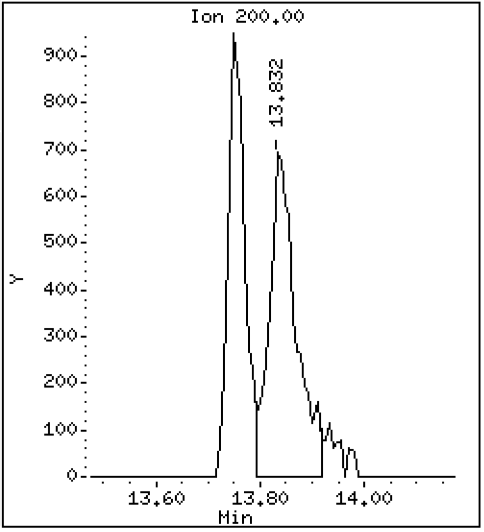

Scan 1180 (13.840 min) of NT1422123051.D (Subtracted)


35 2,4,5-Trichlorophenol (Reference Spectrum)


Scan 1180 (13.840 min) of NT1422123051.D (% DIFFERENCE)


Ion 196.00


Ion 198.00


Ion 200.00

Data File: \\target\share\chem3\nt14.i\20221230B.b\NT1422123051.D

Date : 31-DEC-2022 14:29

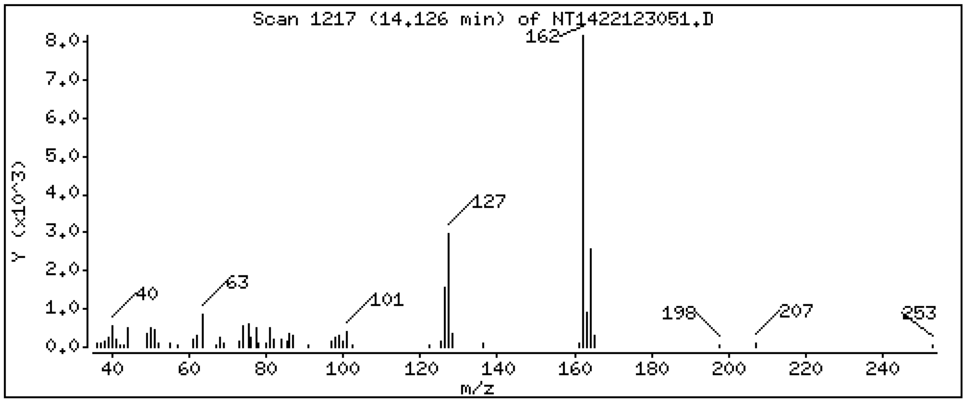
Client ID: Instrument: nt14.i

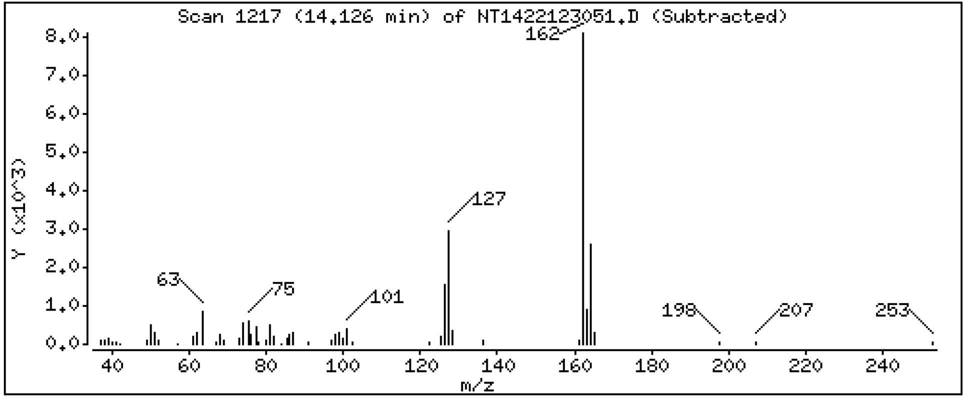
Sample Info: SKL0355-LCV1

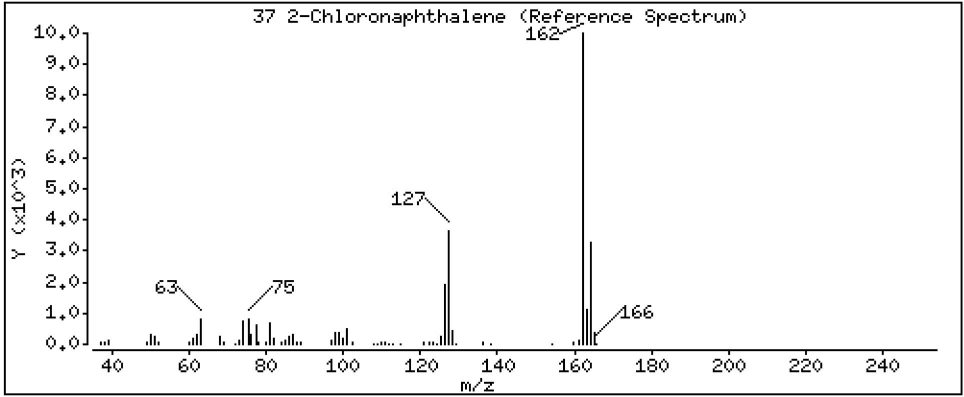
Operator: VTS

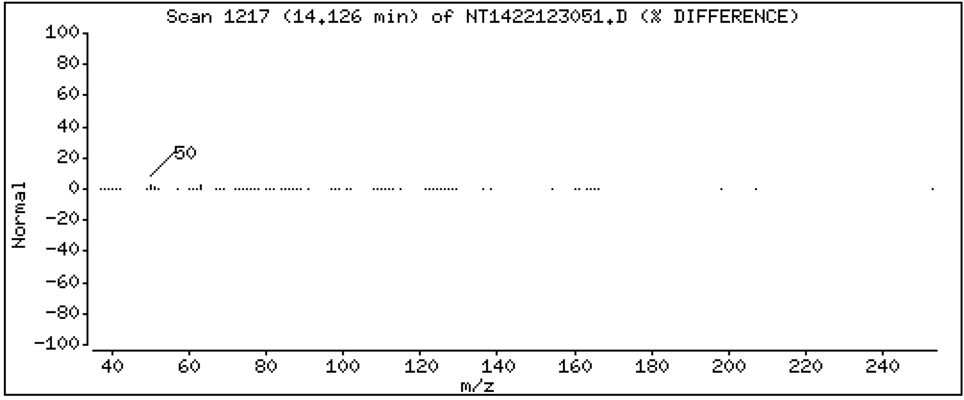
Column phase: ZB-5msi Column diameter: 0.25

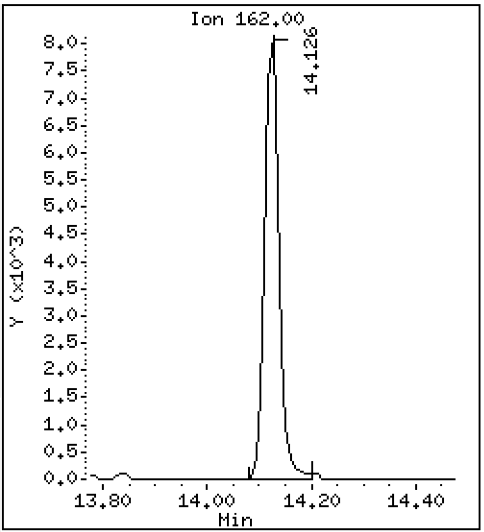
37 2-Chloronaphthalene Concentration: 0.2372 ug/mL

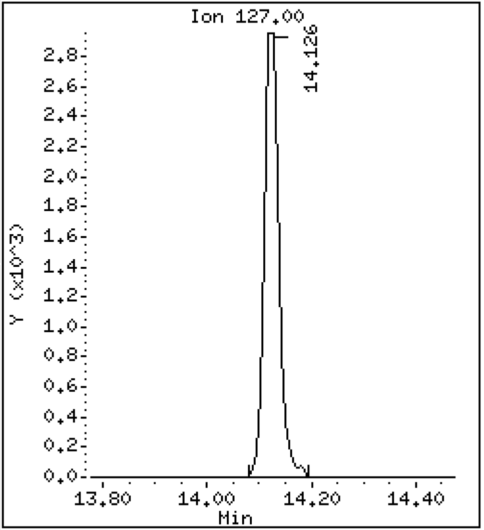


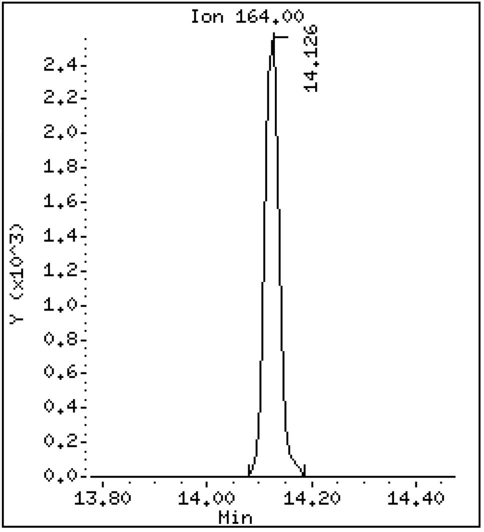












Data File: \\target\share\chem3\nt14.i\20221230B.b\NT1422123051.D

Date : 31-DEC-2022 14:29

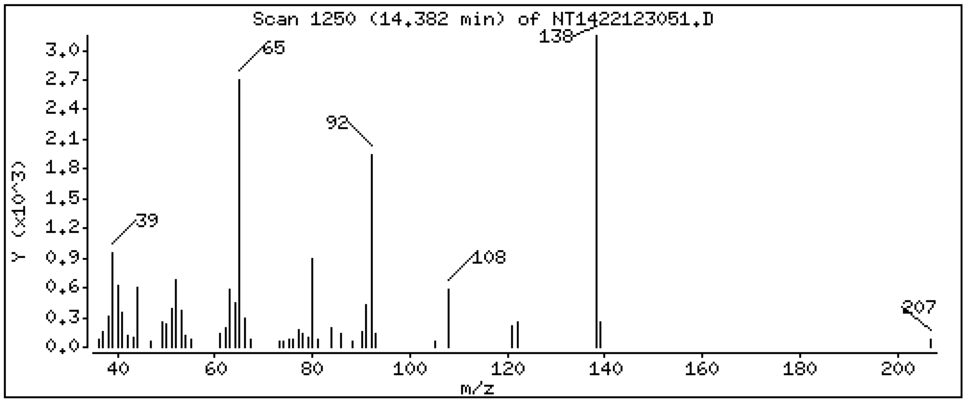
Client ID: Instrument: nt14.i

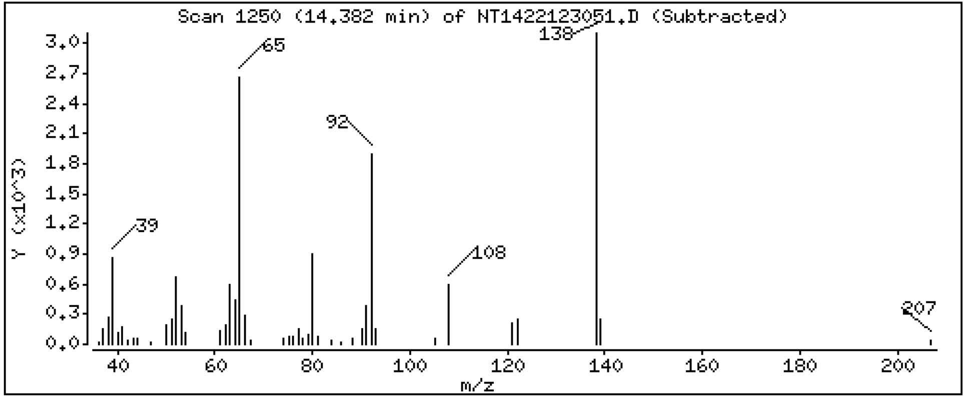
Sample Info: SKL0355-LCV1

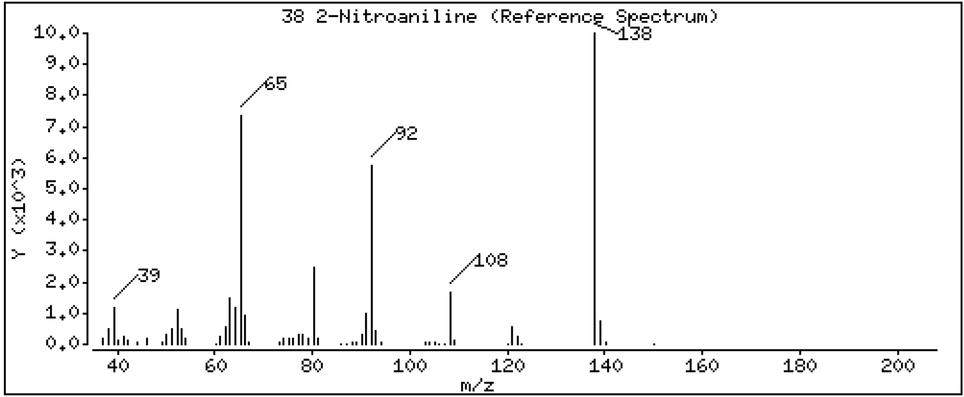
Operator: VTS

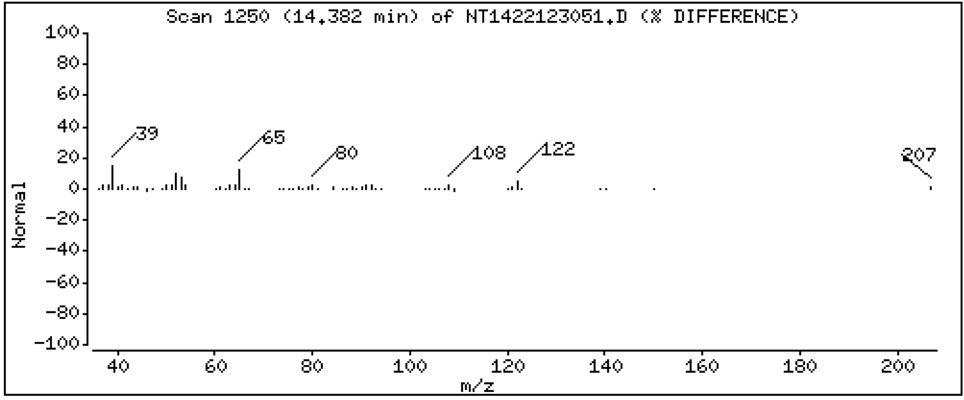
Column phase: ZB-5msi Column diameter: 0.25

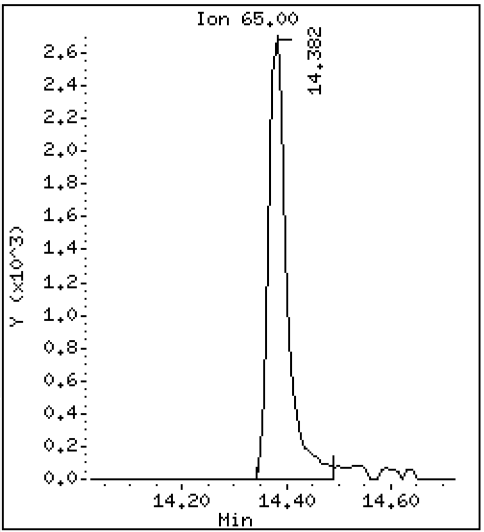
38 2-Nitroaniline Concentration: 0.3972 ug/mL

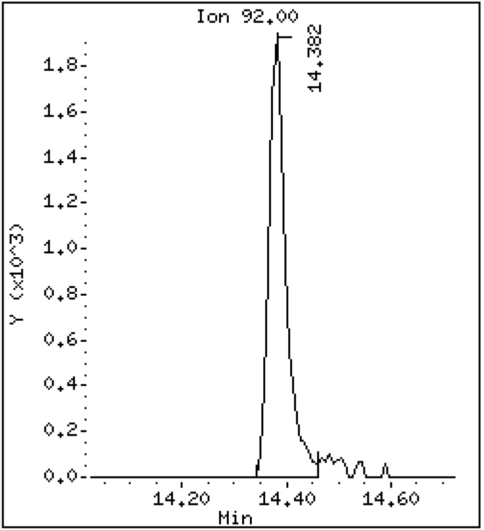

Scan 1250 (14.382 min) of NT1422123051.D

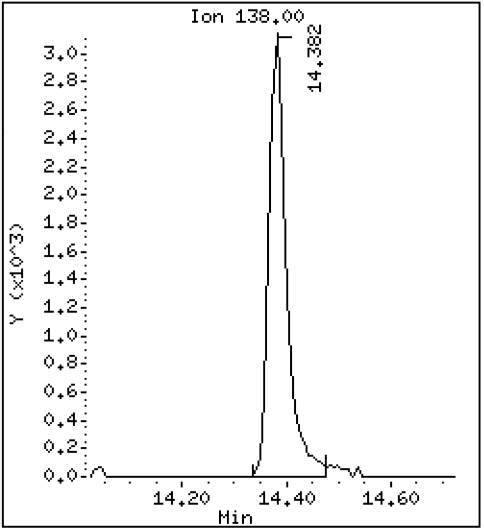

Scan 1250 (14.382 min) of NT1422123051.D (Subtracted)


38 2-Nitroaniline (Reference Spectrum)


Scan 1250 (14.382 min) of NT1422123051.D (% DIFFERENCE)


Ion 65.00


Ion 92.00


Ion 138.00

Data File: \\target\share\chem3\nt14.i\20221230B.b\NT1422123051.D

Date : 31-DEC-2022 14:29

Client ID:

Instrument: nt14.i

Sample Info: SKL0355-LCV1

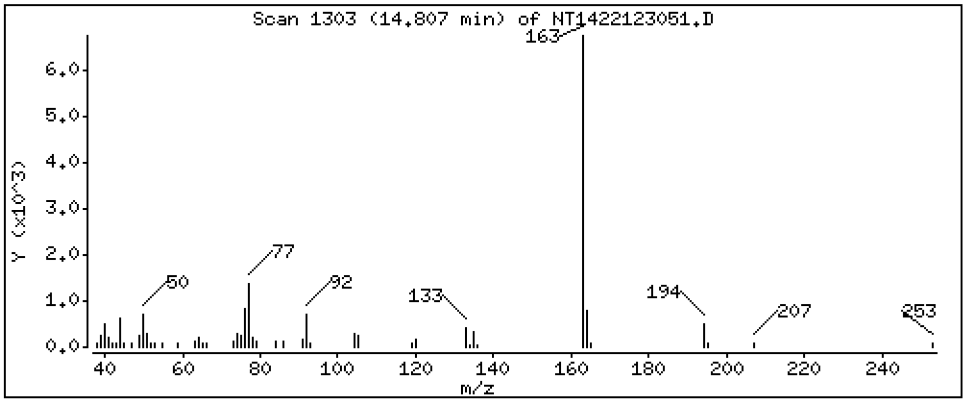
Operator: VTS

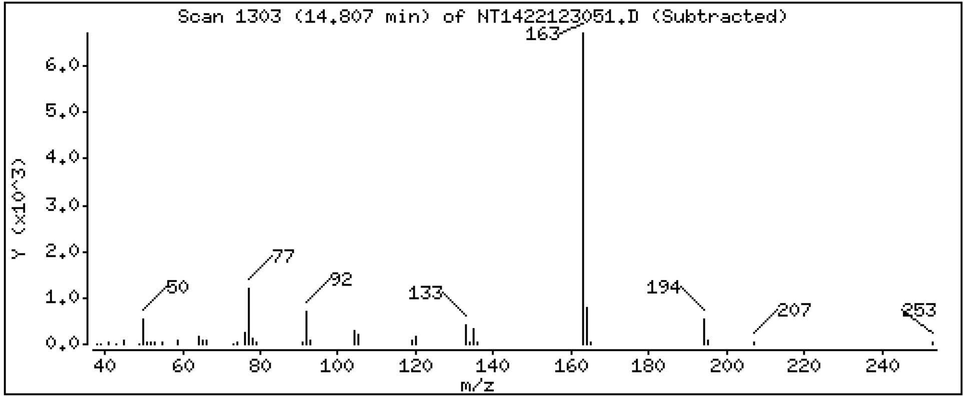
Column phase: ZB-5msi

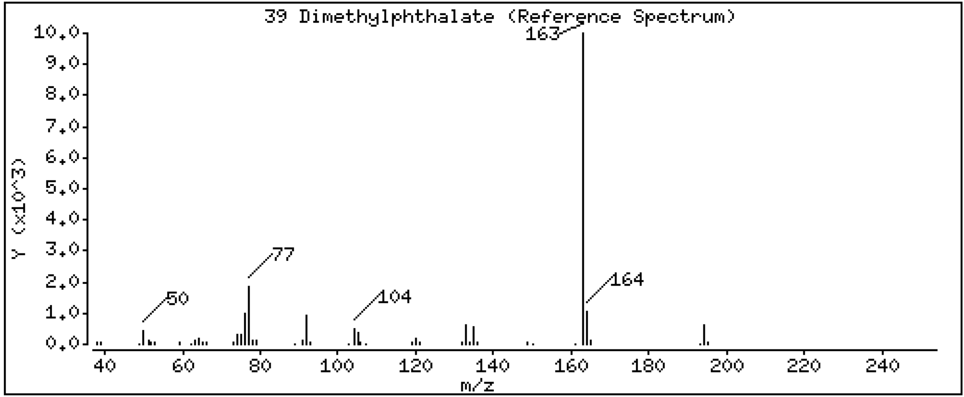
Column diameter: 0.25

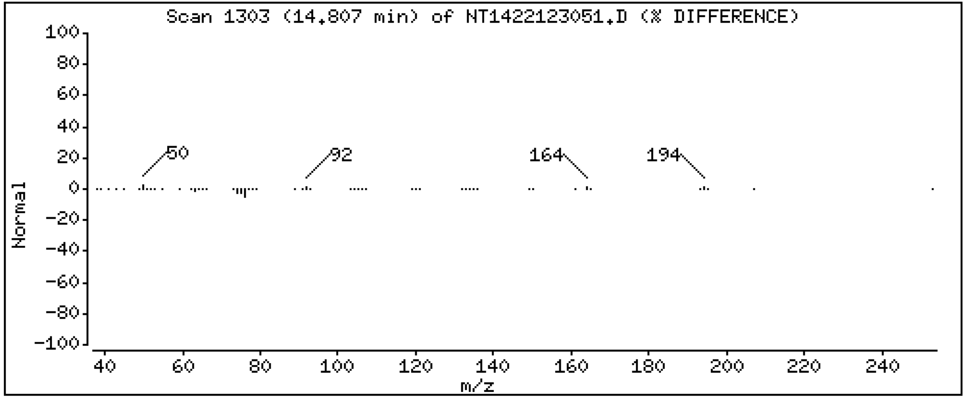
39 Dimethylphthalate

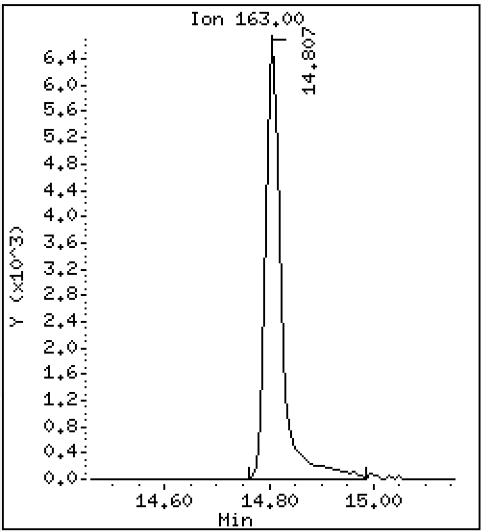
Concentration: 0.2231 ug/mL

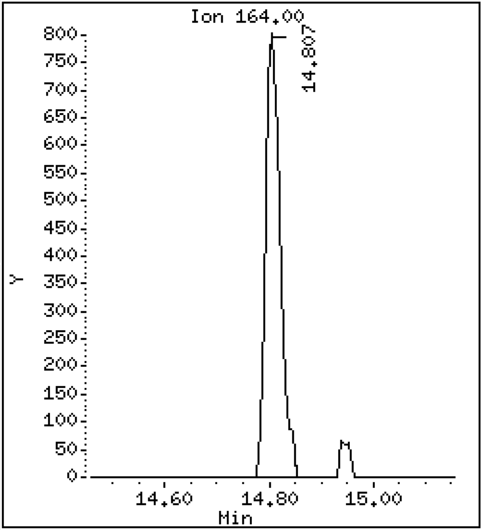

Scan 1303 (14.807 min) of NT1422123051.D

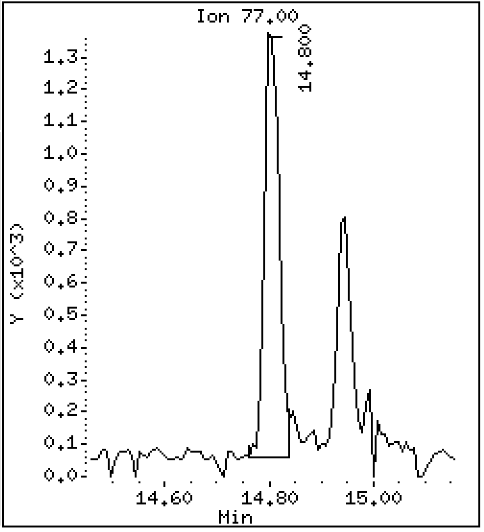

Scan 1303 (14.807 min) of NT1422123051.D (Subtracted)


39 Dimethylphthalate (Reference Spectrum)


Scan 1303 (14.807 min) of NT1422123051.D (% DIFFERENCE)


Ion 163.00


Ion 164.00


Ion 77.00

Data File: \\target\share\chem3\nt14.i\20221230B.b\NT1422123051.D

Date : 31-DEC-2022 14:29

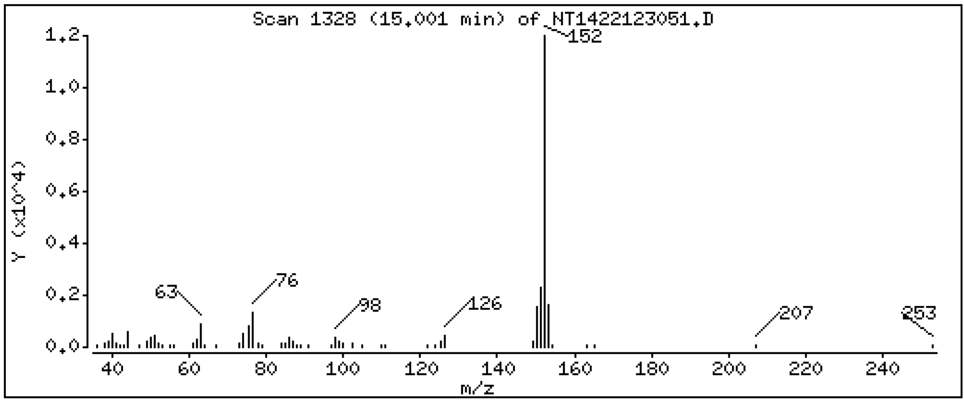
Client ID: Instrument: nt14.i

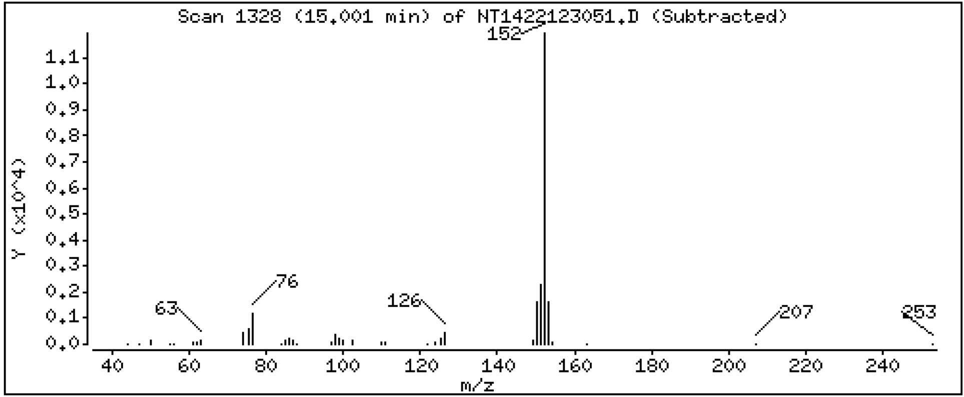
Sample Info: SKL0355-LCV1

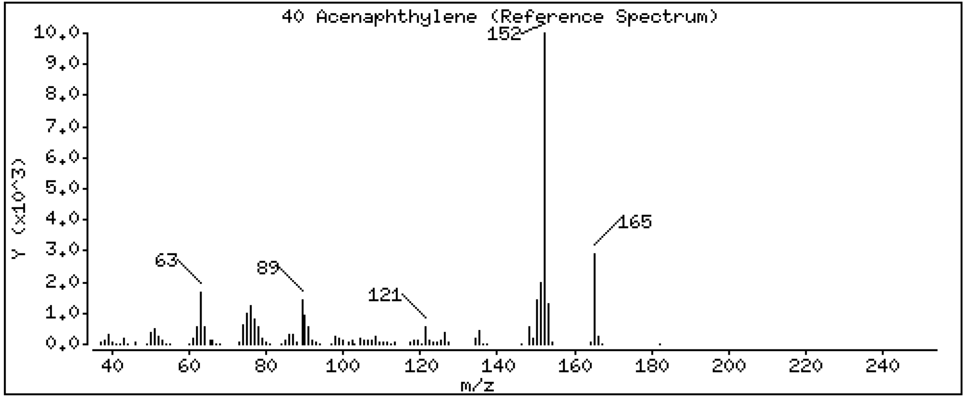
Operator: VTS

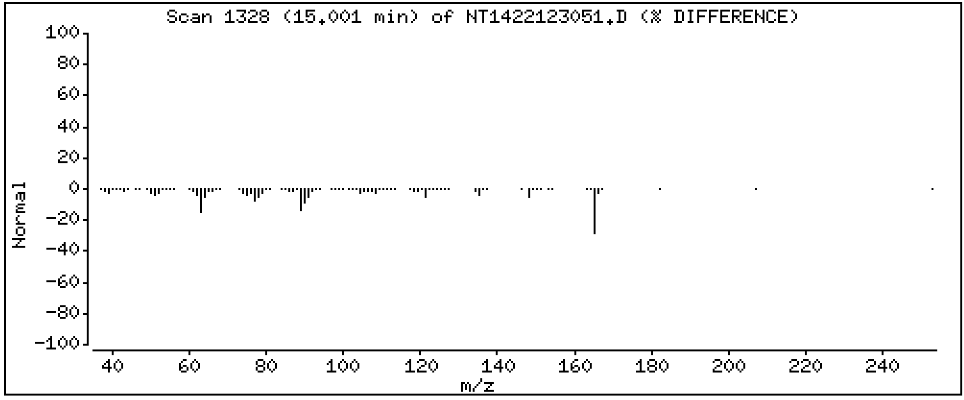
Column phase: ZB-5msi Column diameter: 0.25

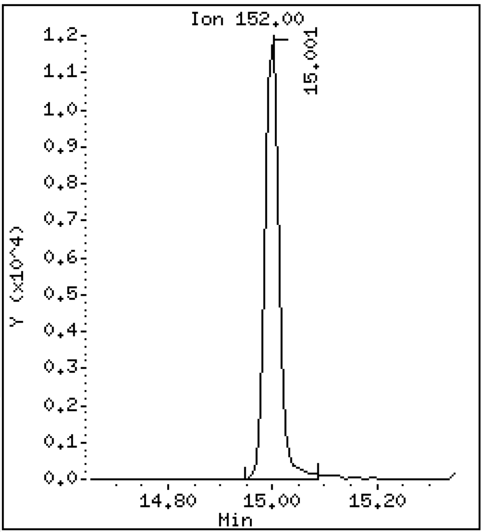
40 Acenaphthylene Concentration: 0.2256 ug/mL

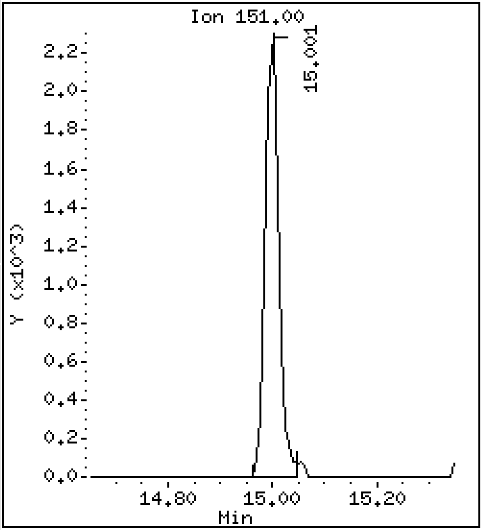

Scan 1328 (15.001 min) of NT1422123051.D

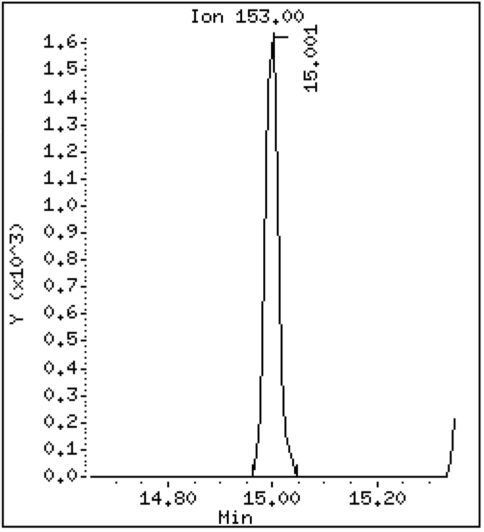

Scan 1328 (15.001 min) of NT1422123051.D (Subtracted)


40 Acenaphthylene (Reference Spectrum)


Scan 1328 (15.001 min) of NT1422123051.D (% DIFFERENCE)


Ion 152.00


Ion 151.00


Ion 153.00

Data File: \\target\share\chem3\nt14.i\20221230B.b\NT1422123051.D

Date : 31-DEC-2022 14:29

Client ID:

Instrument: nt14.i

Sample Info: SKL0355-LCV1

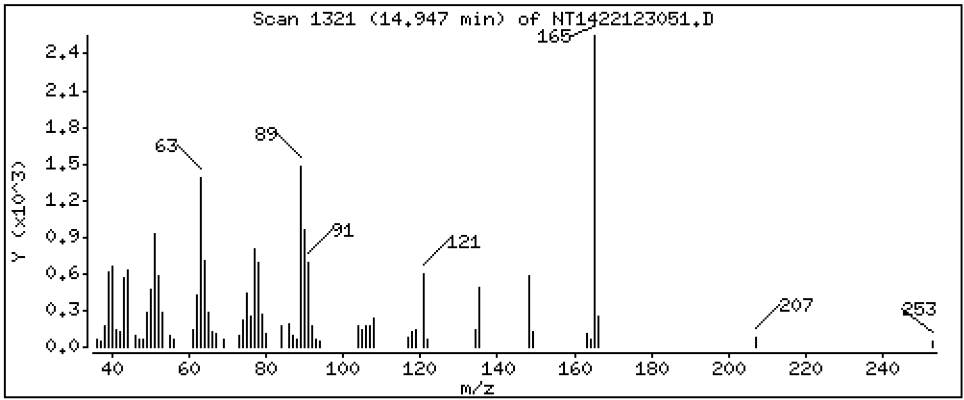
Operator: VTS

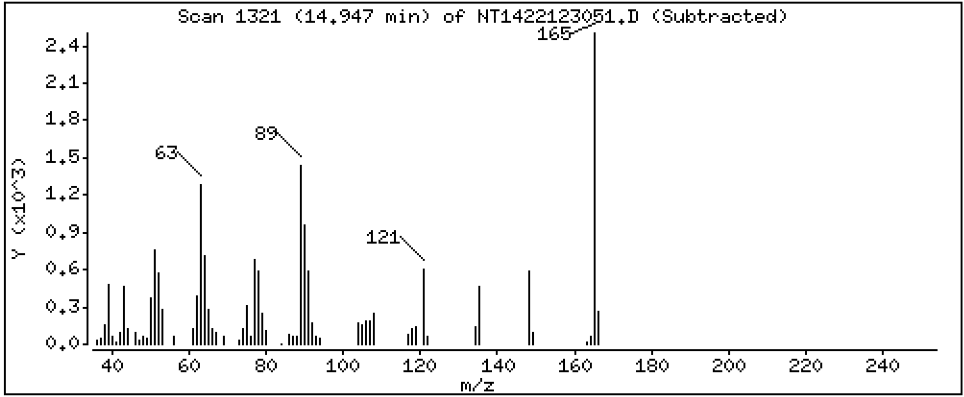
Column phase: ZB-5msi

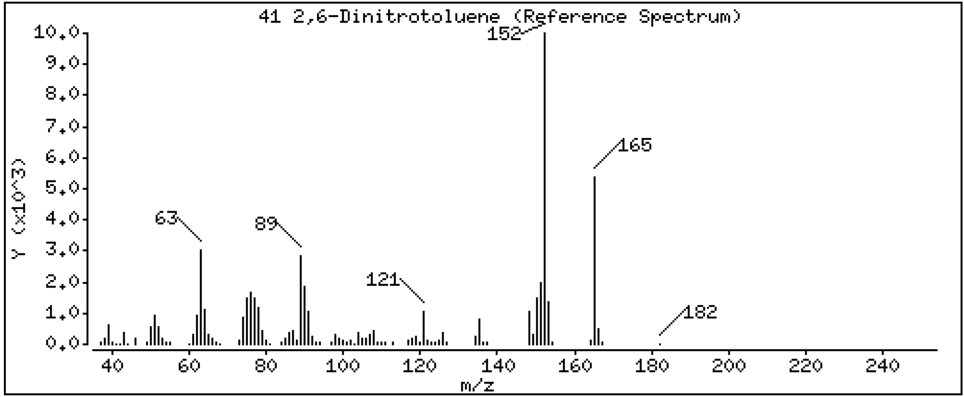
Column diameter: 0.25

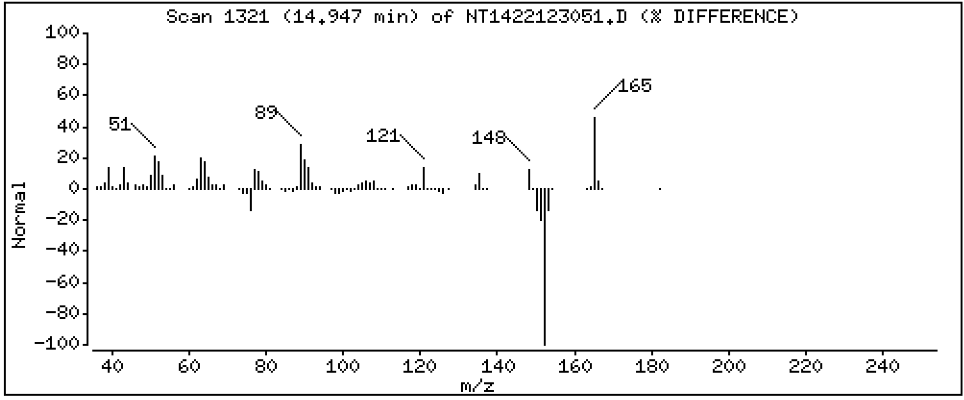
41 2,6-Dinitrotoluene

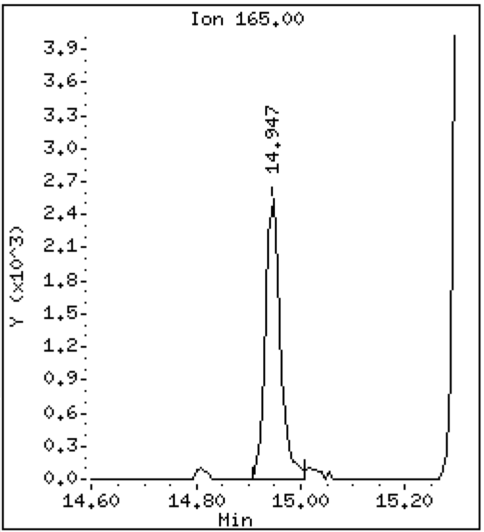
Concentration: 0.3515 ug/mL

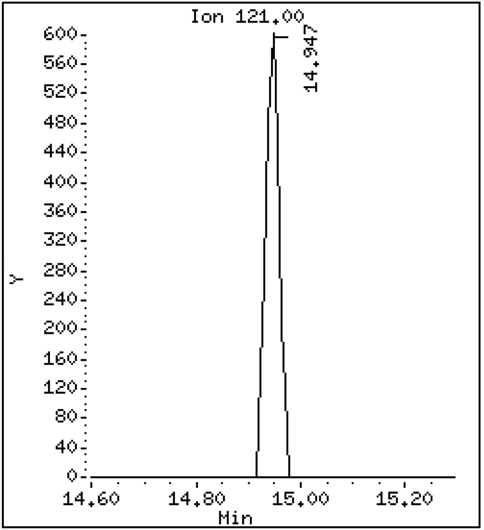

Scan 1321 (14.947 min) of NT1422123051.D

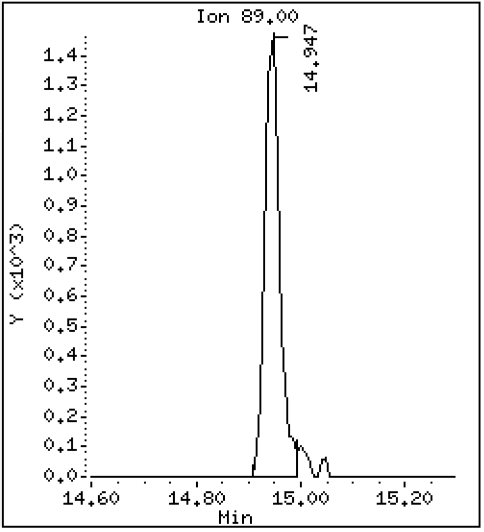

Scan 1321 (14.947 min) of NT1422123051.D (Subtracted)


41 2,6-Dinitrotoluene (Reference Spectrum)


Scan 1321 (14.947 min) of NT1422123051.D (% DIFFERENCE)


Ion 165.00


Ion 121.00


Ion 89.00

Data File: \\target\share\chem3\nt14.i\20221230B.b\NT1422123051.D

Date : 31-DEC-2022 14:29

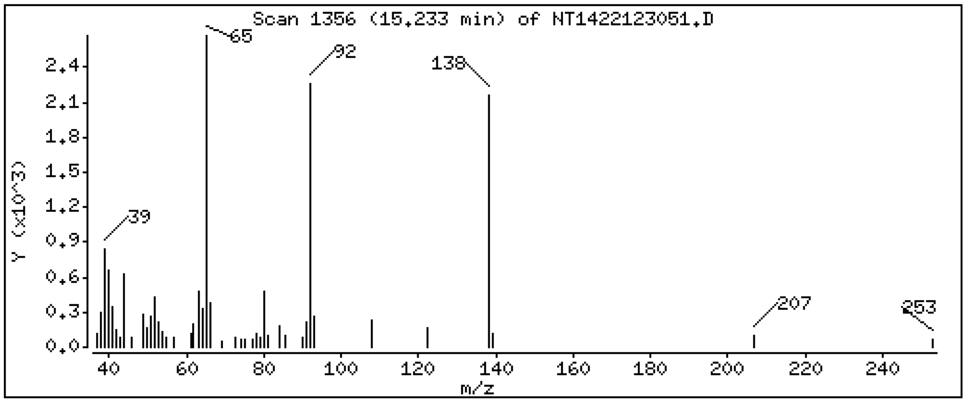
Client ID: Instrument: nt14.i

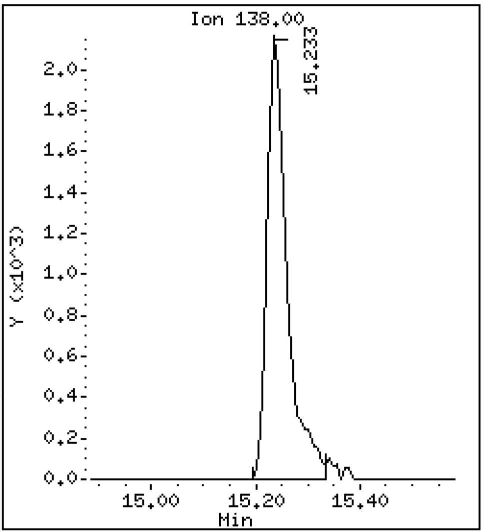
Sample Info: SKL0355-LCV1

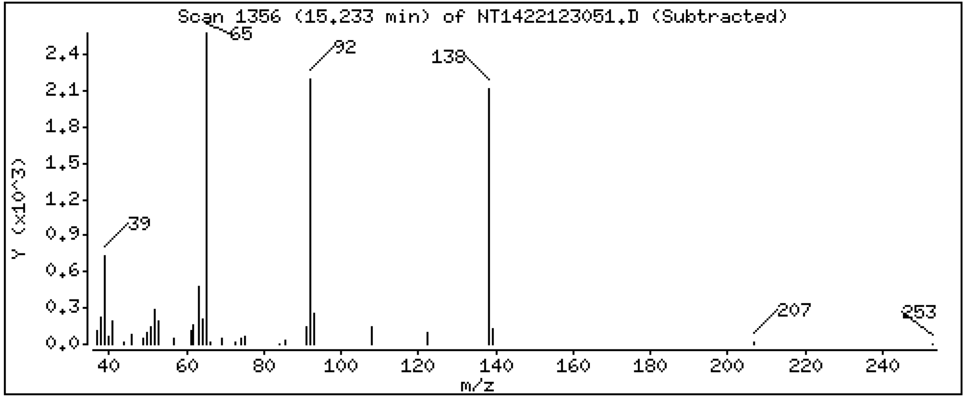
Operator: VTS

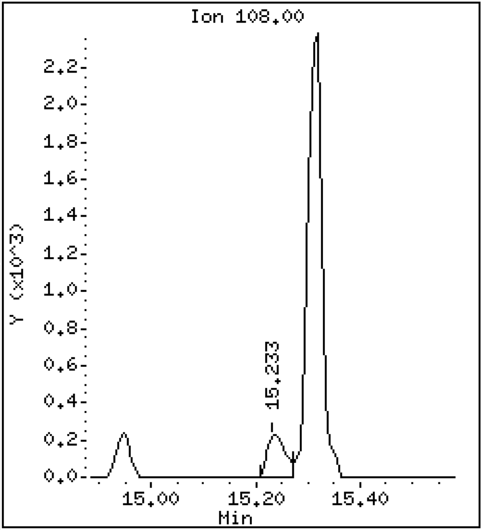
Column phase: ZB-5msi Column diameter: 0.25

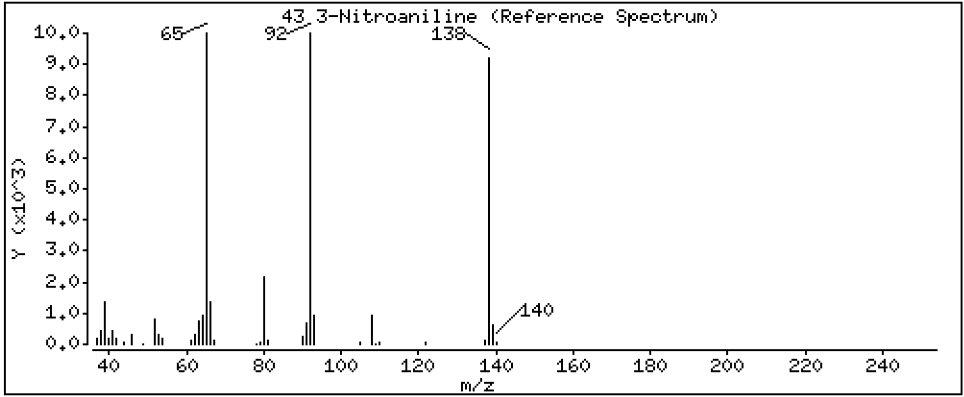
43 3-Nitroaniline Concentration: 0.3370 ug/mL

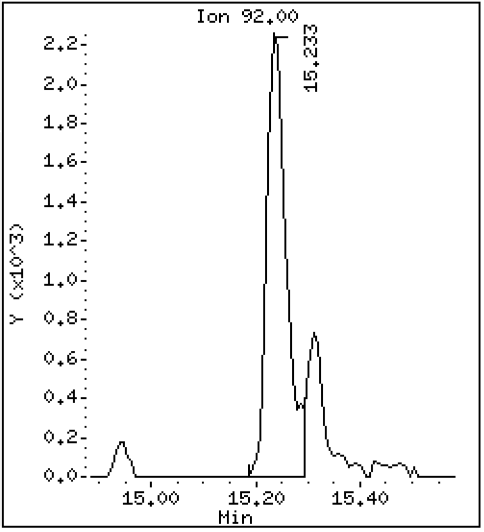


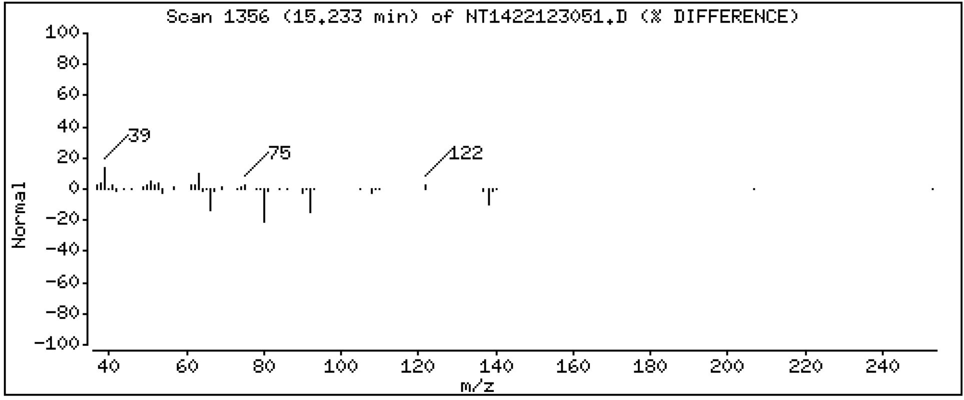












Data File: \\target\share\chem3\nt14.i\20221230B.b\NT1422123051.D

Date : 31-DEC-2022 14:29

Client ID:

Instrument: nt14.i

Sample Info: SKL0355-LCV1

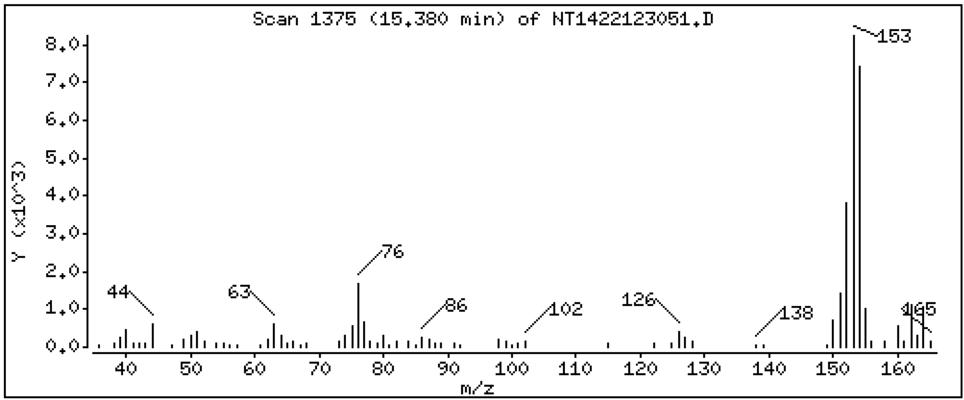
Operator: VTS

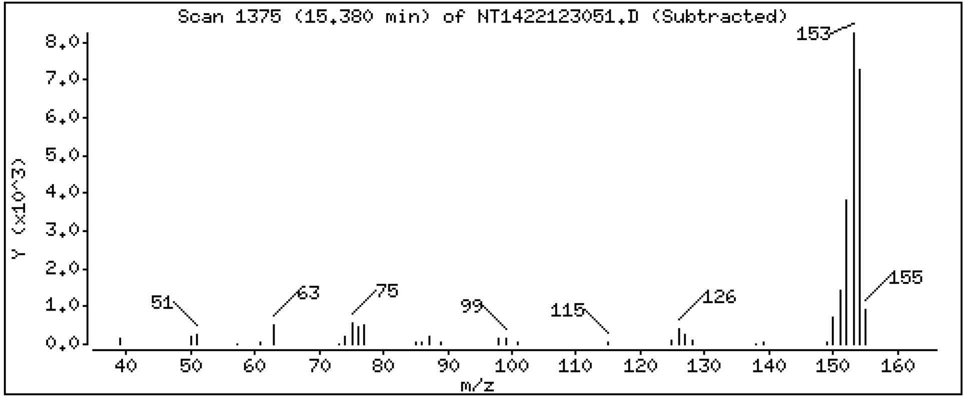
Column phase: ZB-5msi

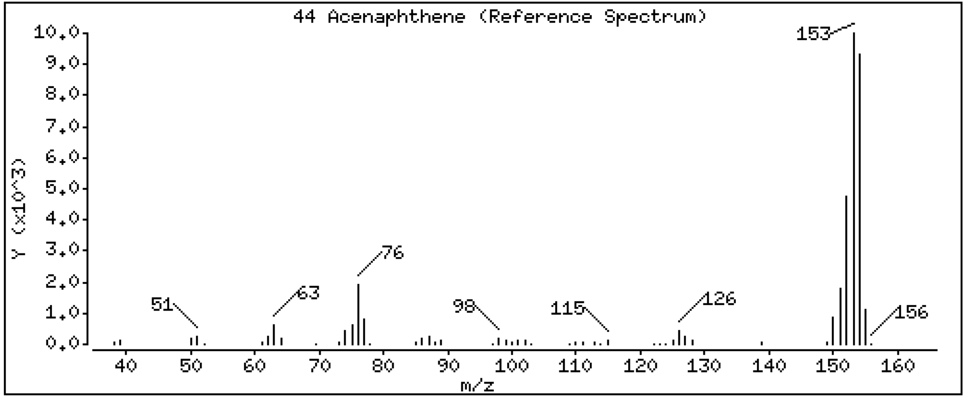
Column diameter: 0.25

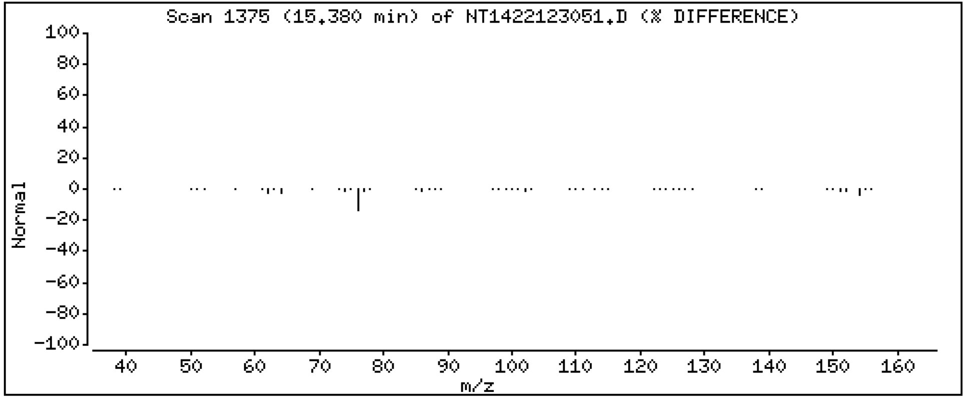
44 Acenaphthene

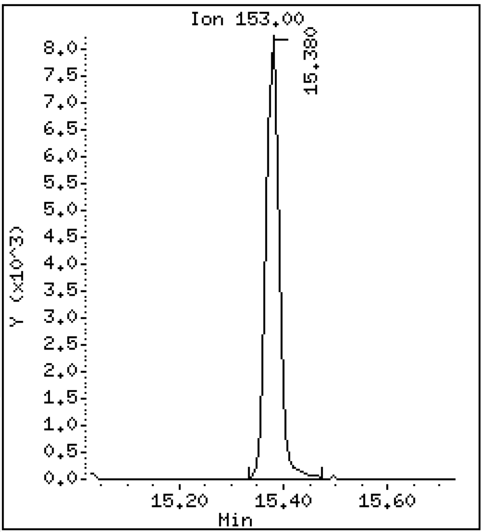
Concentration: 0.2351 ug/mL

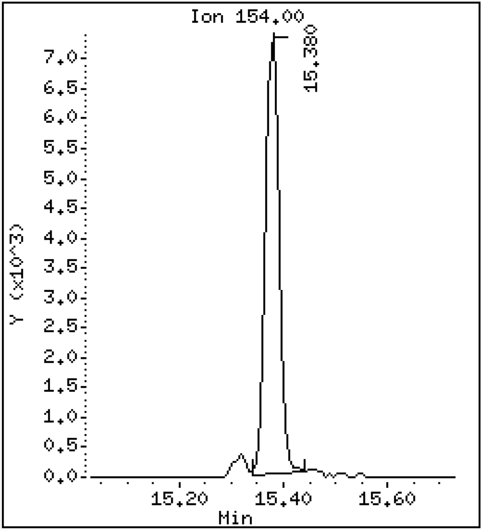

Scan 1375 (15.380 min) of NT1422123051.D

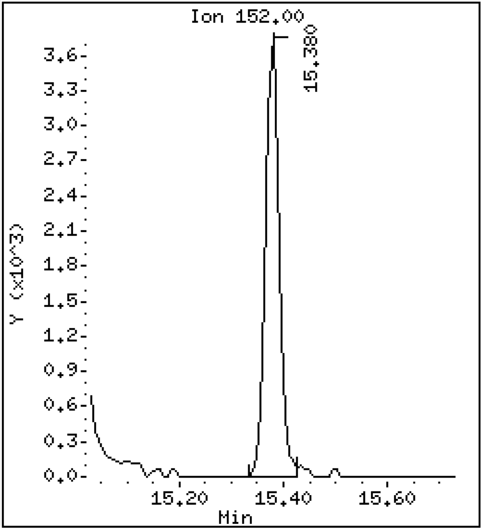

Scan 1375 (15.380 min) of NT1422123051.D (Subtracted)


44 Acenaphthene (Reference Spectrum)


Scan 1375 (15.380 min) of NT1422123051.D (% DIFFERENCE)


Ion 153.00


Ion 154.00


Ion 152.00

Data File: \\target\share\chem3\nt14.i\20221230B.b\NT1422123051.D

Date : 31-DEC-2022 14:29

Client ID:

Instrument: nt14.i

Sample Info: SKL0355-LCV1

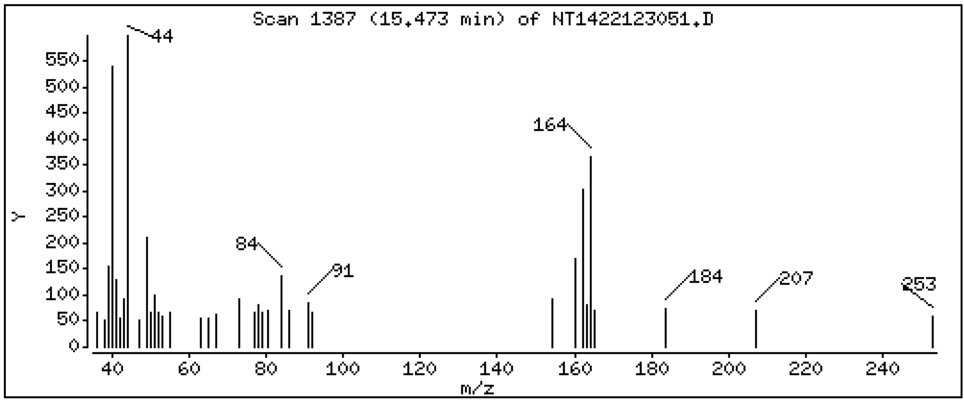
Operator: VTS

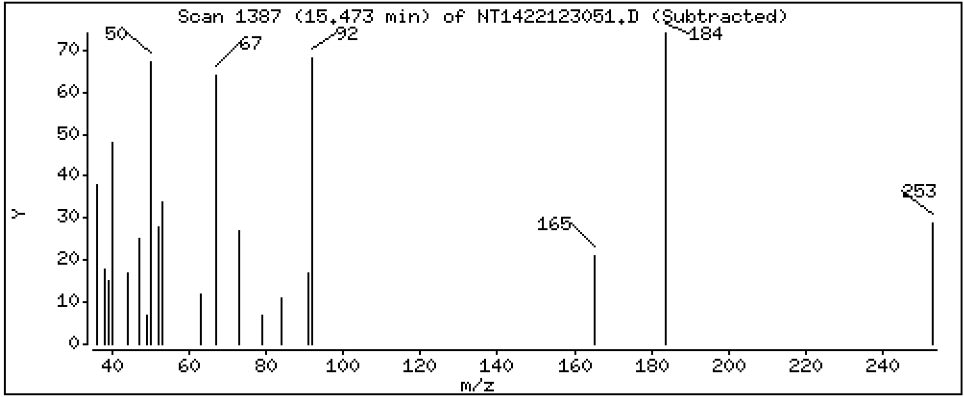
Column phase: ZB-5msi

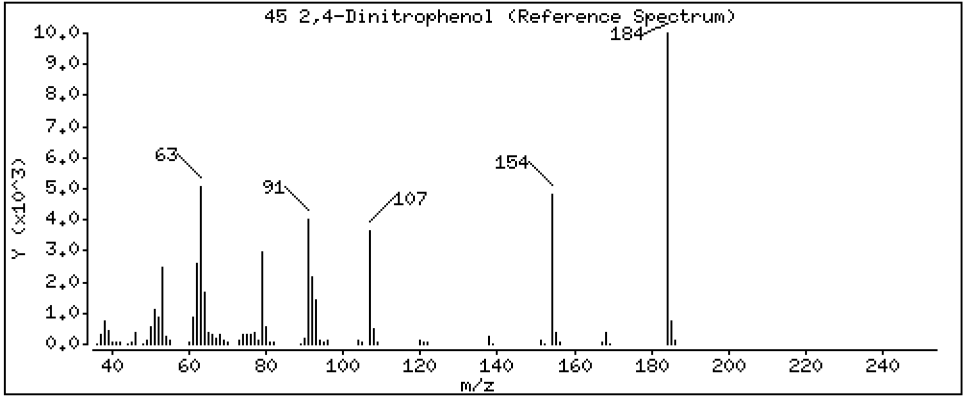
Column diameter: 0.25

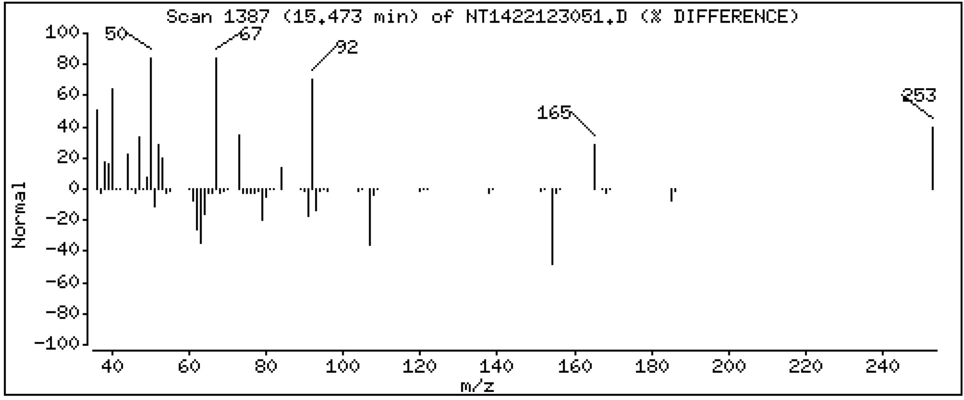
45 2,4-Dinitrophenol

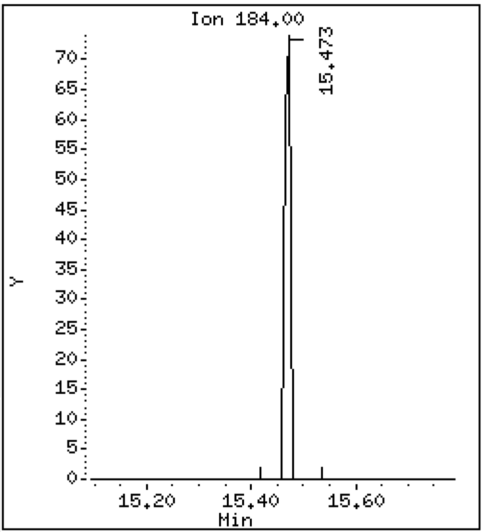
Concentration: 0.005296 ug/mL

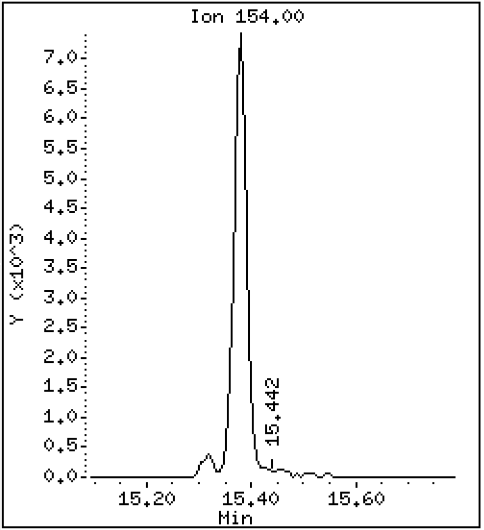


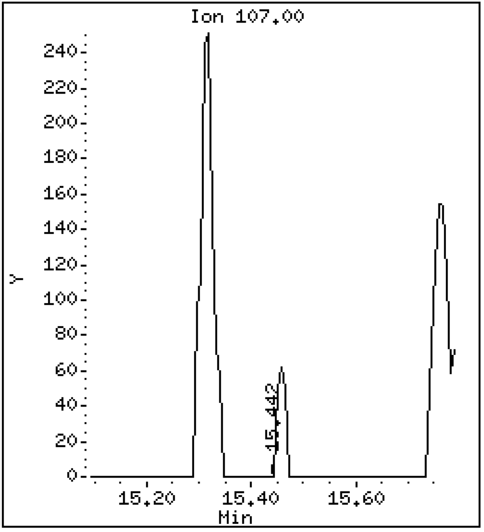












Data File: \\target\share\chem3\nt14.i\20221230B.b\NT1422123051.D

Date : 31-DEC-2022 14:29

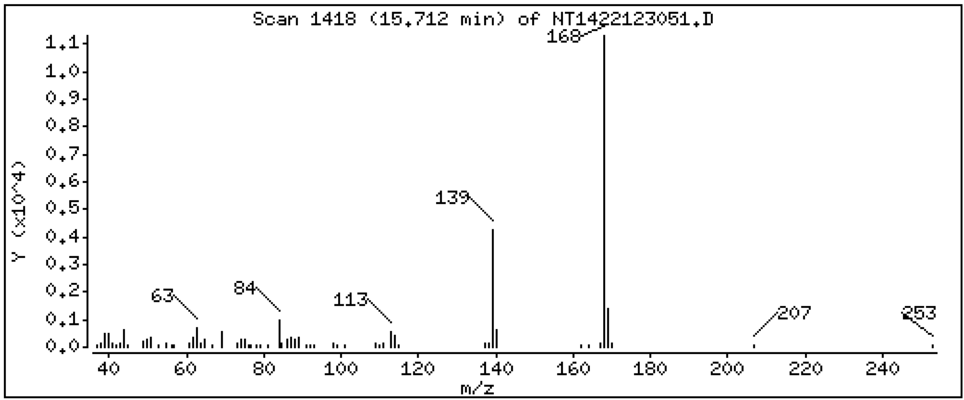
Client ID: Instrument: nt14.i

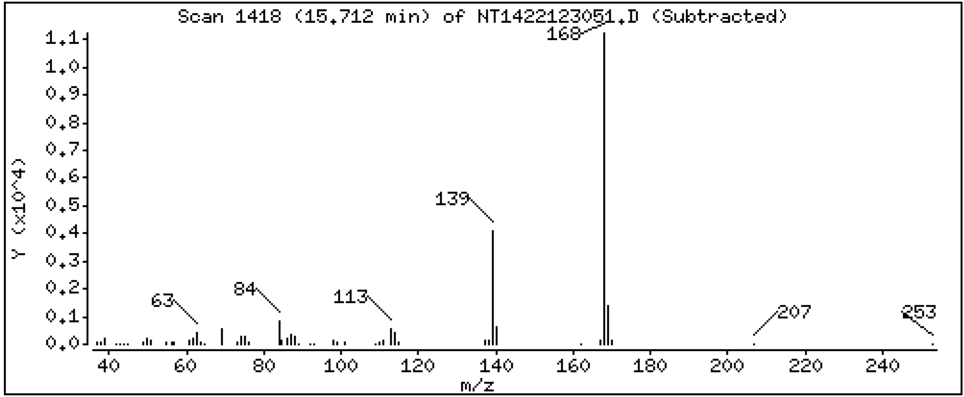
Sample Info: SKL0355-LCV1

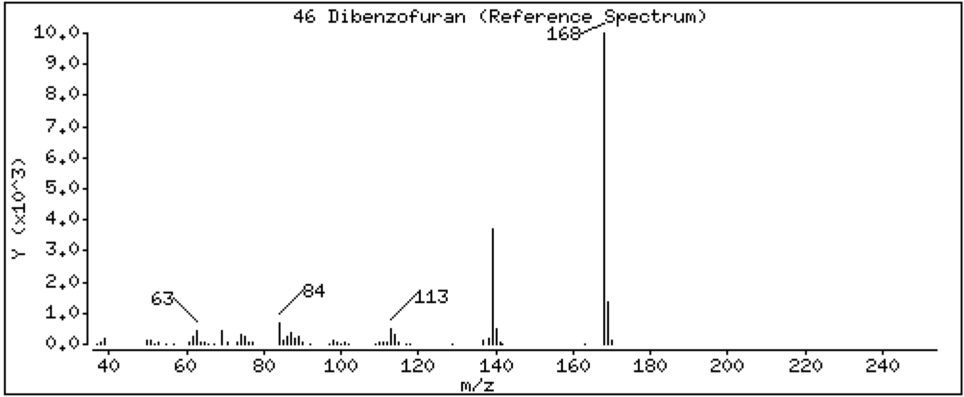
Operator: VTS

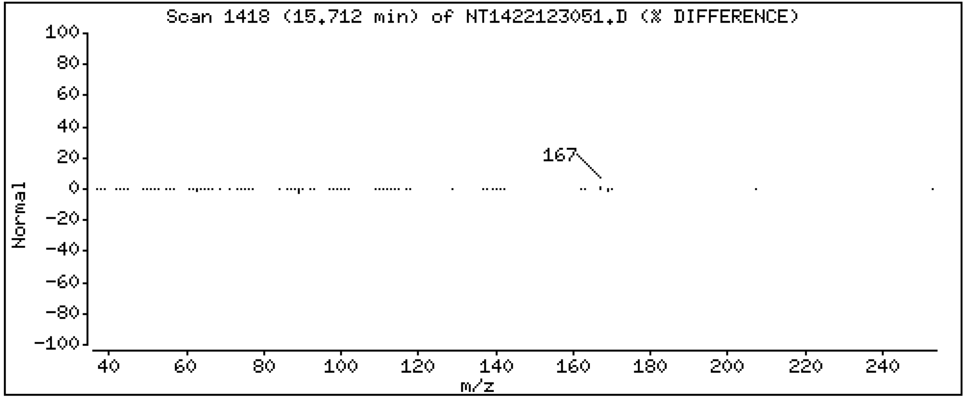
Column phase: ZB-5msi Column diameter: 0.25

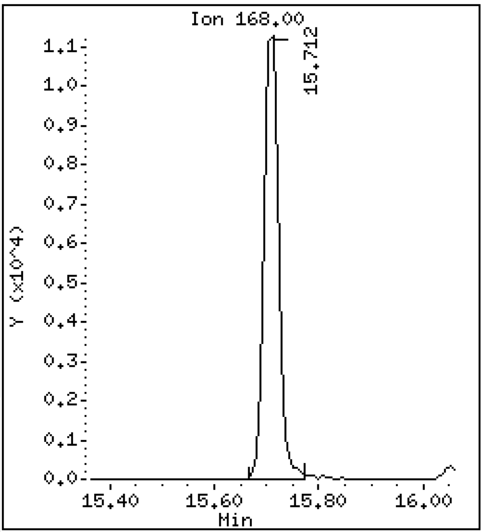
46 Dibenzofuran Concentration: 0.2405 ug/mL

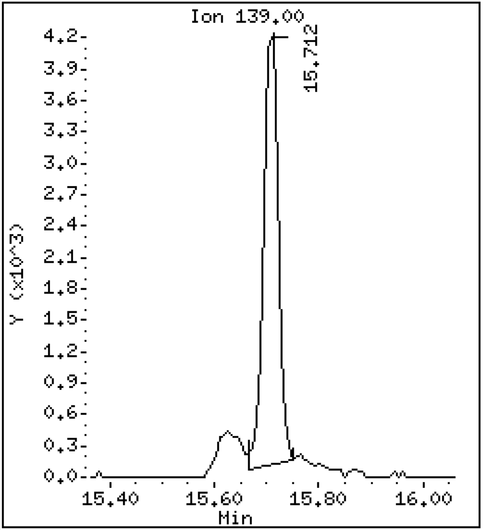


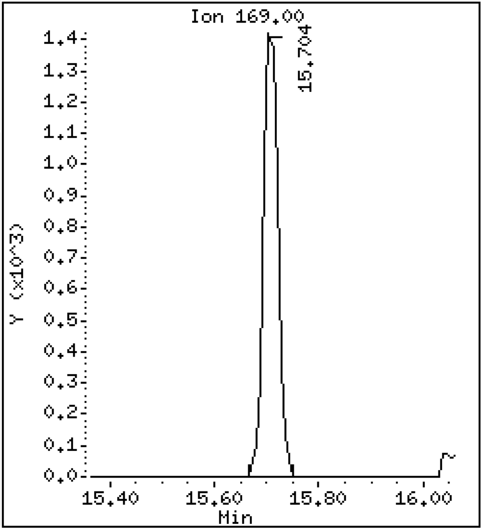












Data File: \\target\share\chem3\nt14.i\20221230B.b\NT1422123051.D

Date : 31-DEC-2022 14:29

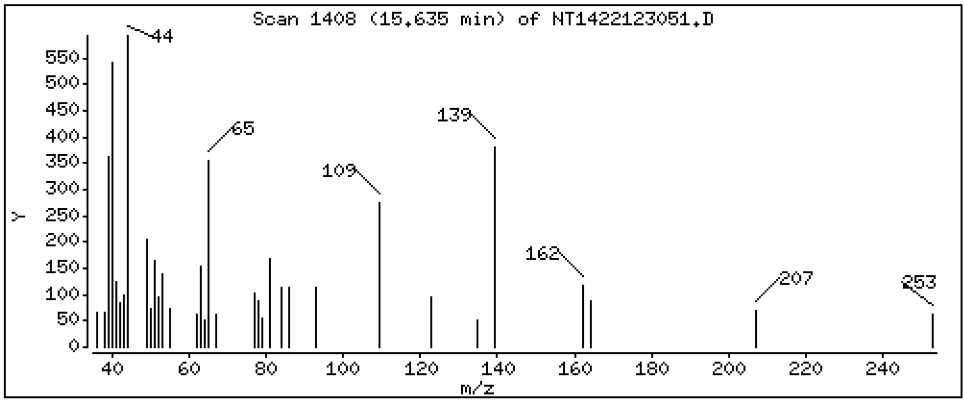
Client ID: Instrument: nt14.i

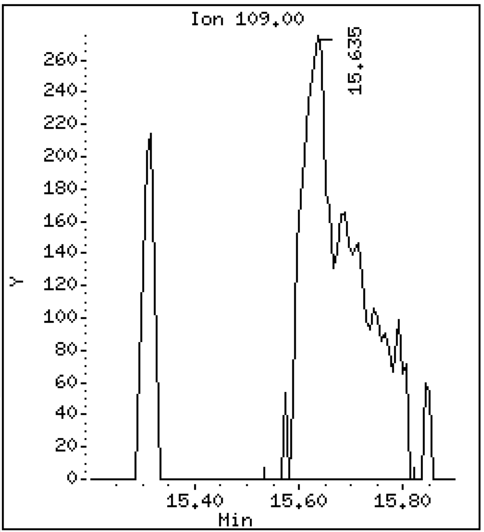
Sample Info: SKL0355-LCV1

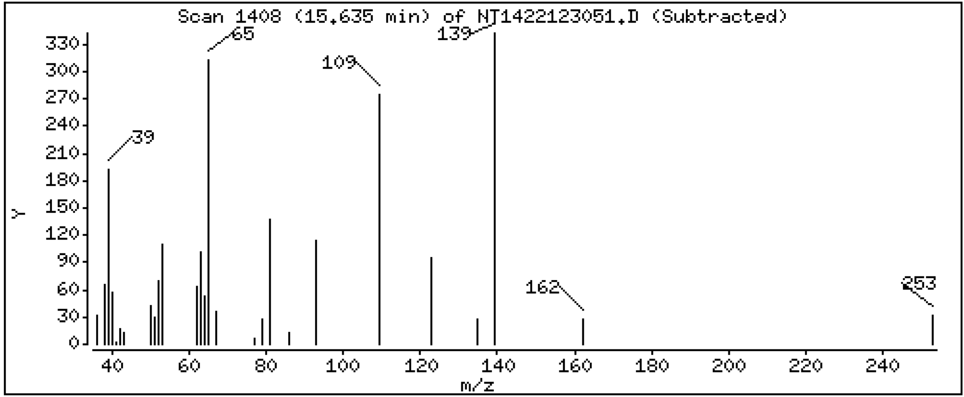
Operator: VTS

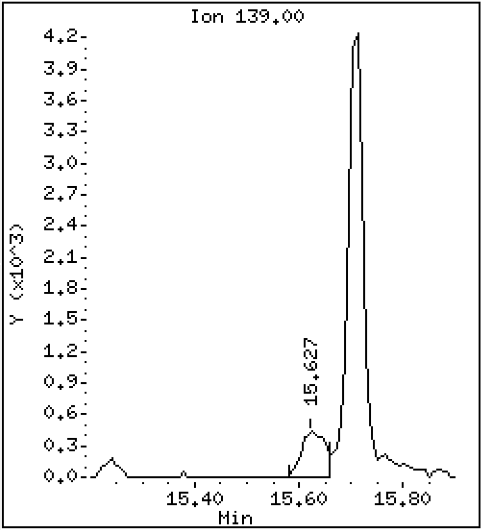
Column phase: ZB-5msi Column diameter: 0.25

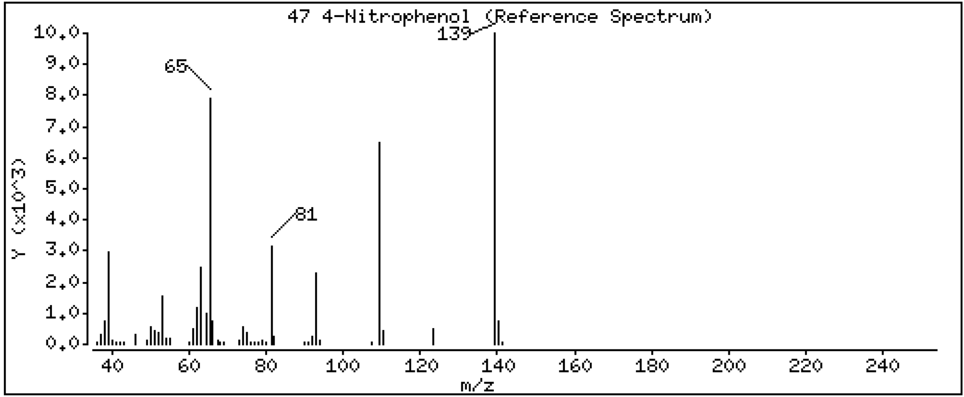
47 4-Nitrophenol Concentration: 0.2375 ug/mL

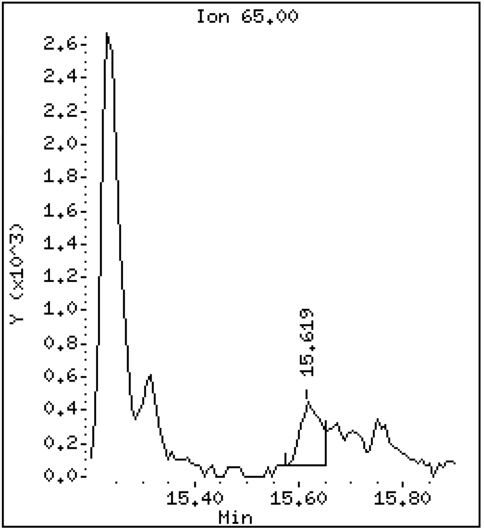

Scan 1408 (15.635 min) of NT1422123051.D

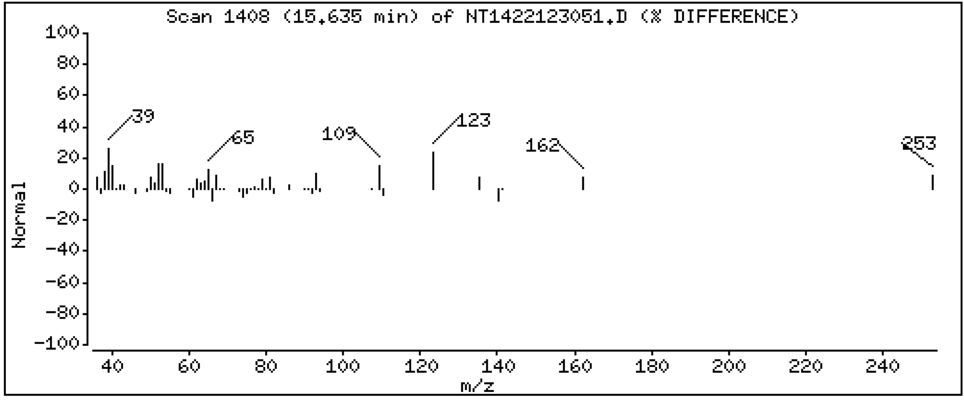

Ion 109.00


Scan 1408 (15.635 min) of NT1422123051.D (Subtracted)


Ion 139.00


47 4-Nitrophenol (Reference Spectrum)


Ion 65.00


Scan 1408 (15.635 min) of NT1422123051.D (% DIFFERENCE)

Data File: \\target\share\chem3\nt14.i\20221230B.b\NT1422123051.D

Date : 31-DEC-2022 14:29

Client ID:

Instrument: nt14.i

Sample Info: SKL0355-LCV1

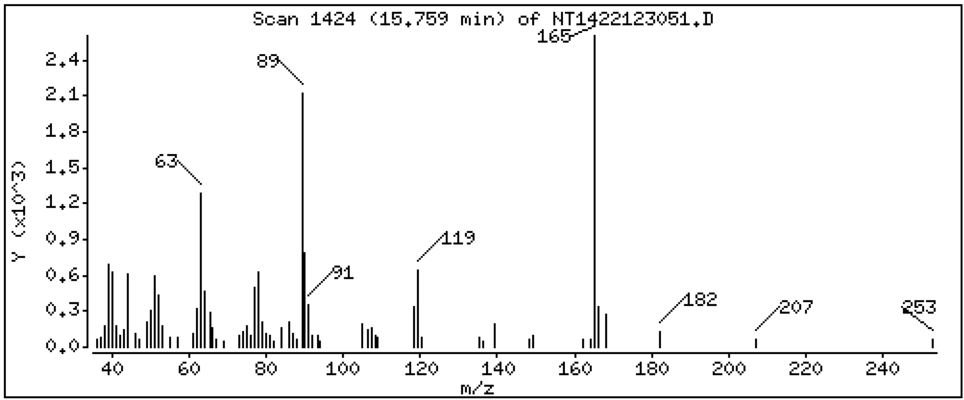
Operator: VTS

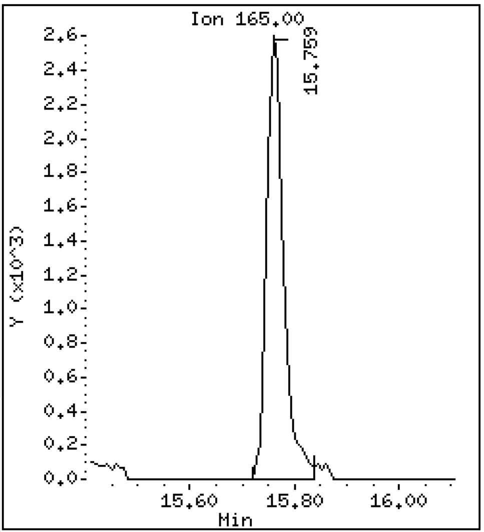
Column phase: ZB-5msi

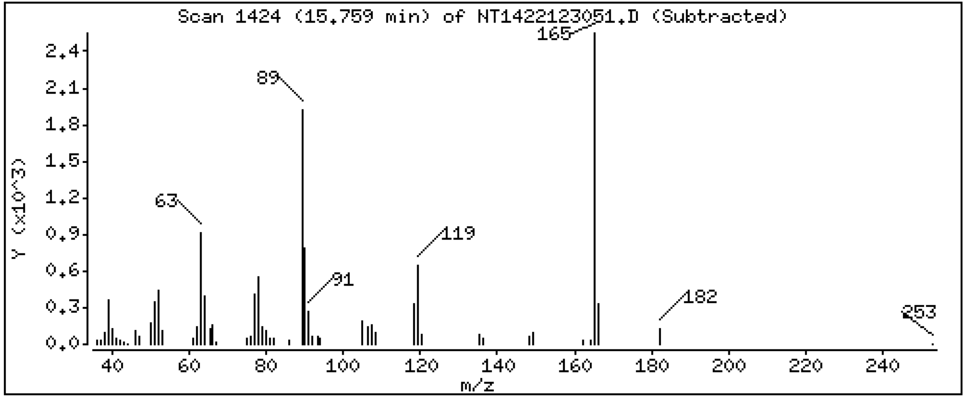
Column diameter: 0.25

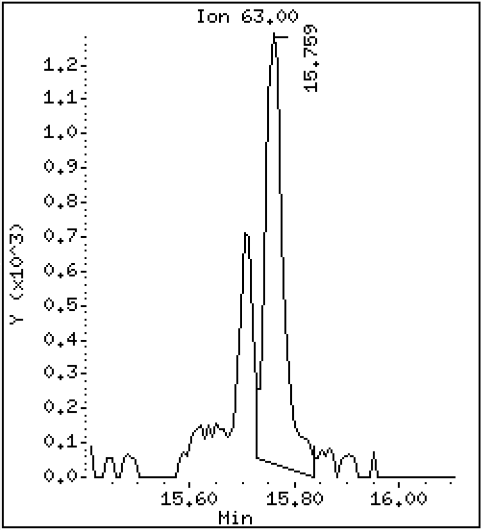
48 2,4-Dinitrotoluene

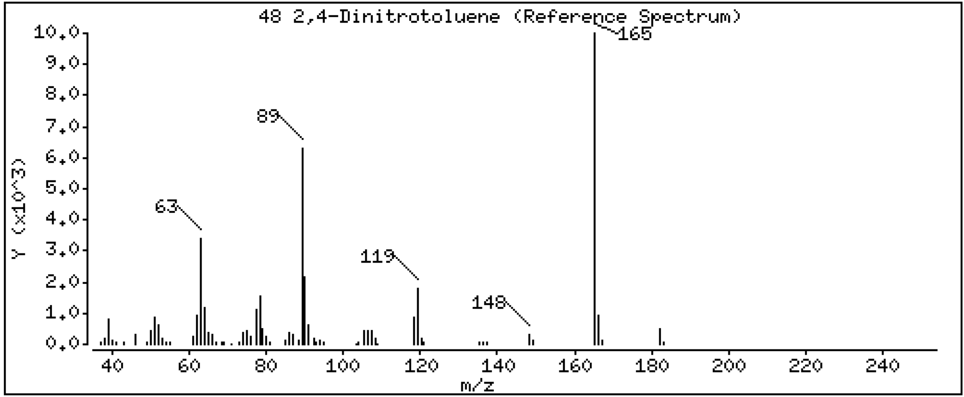
Concentration: 0.3020 ug/mL

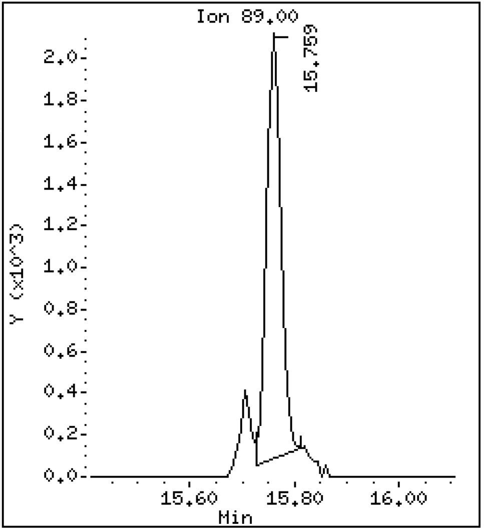

Scan 1424 (15.759 min) of NT1422123051.D


Ion 165.00


Scan 1424 (15.759 min) of NT1422123051.D (Subtracted)


Ion 63.00


48 2,4-Dinitrotoluene (Reference Spectrum)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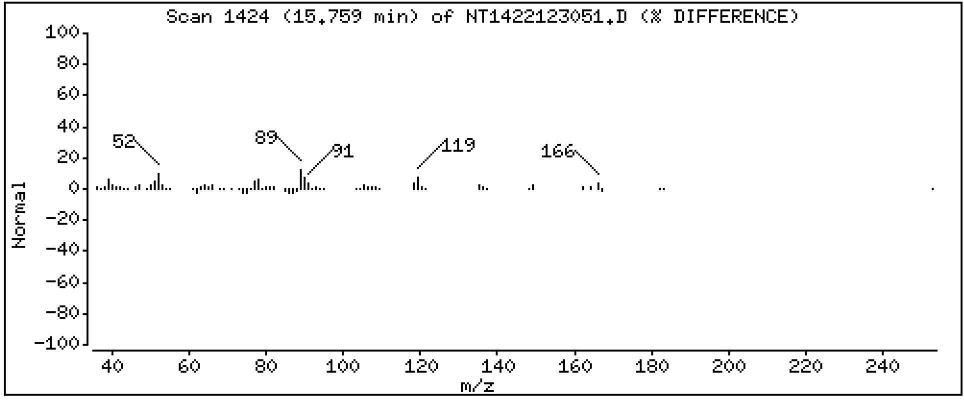

Scan 1424 (15.759 min) of NT1422123051.D (% DIFFERENCE)

Data File: \\target\share\chem3\nt14.i\20221230B.b\NT1422123051.D

Date : 31-DEC-2022 14:29

Client ID:

Instrument: nt14.i

Sample Info: SKL0355-LCV1

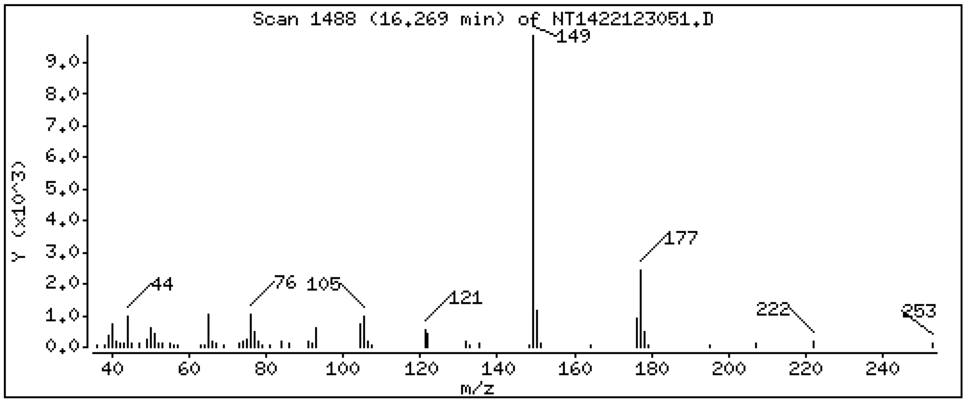
Operator: VTS

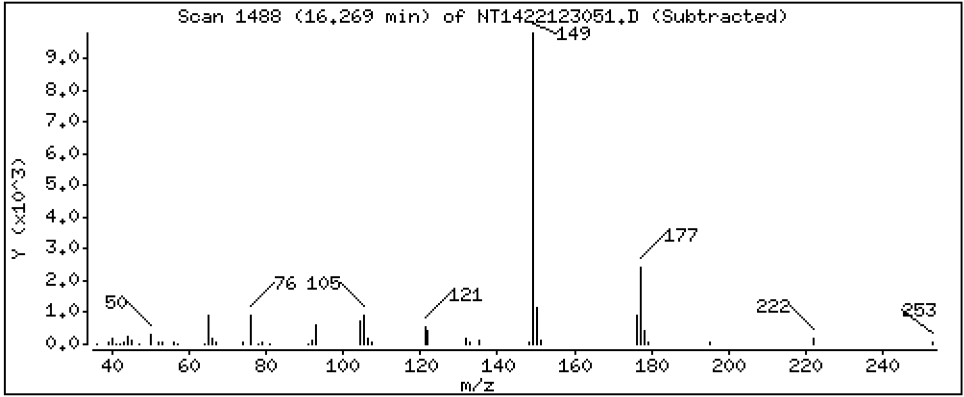
Column phase: ZB-5msi

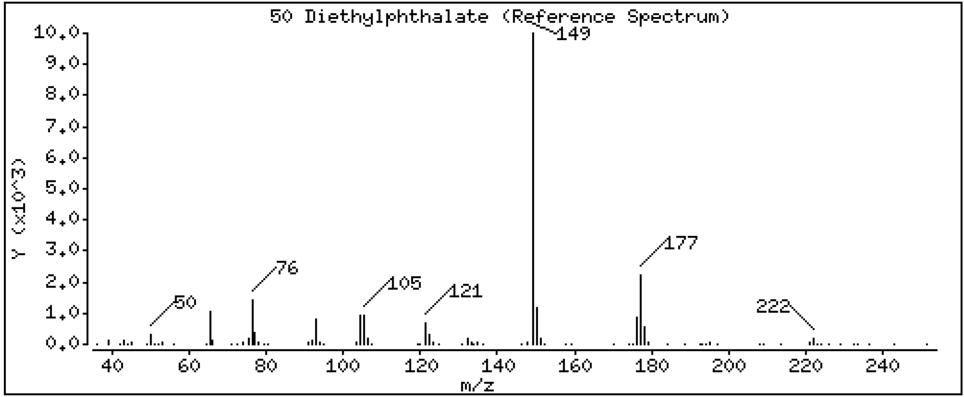
Column diameter: 0.25

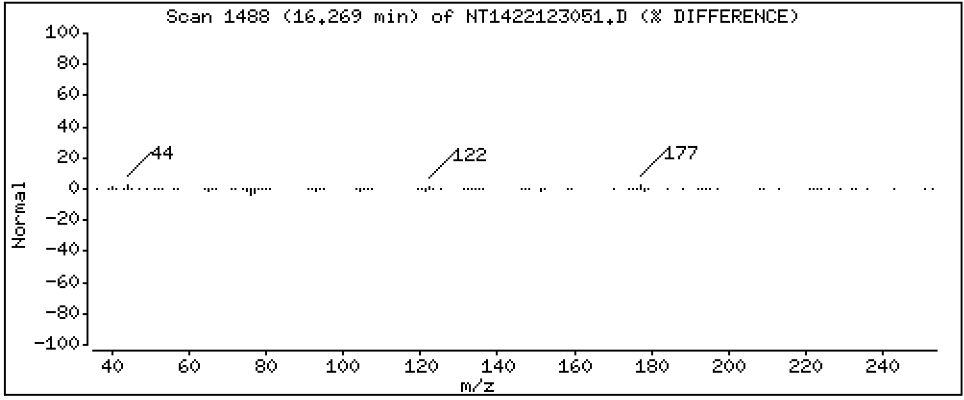
50 Diethylphthalate

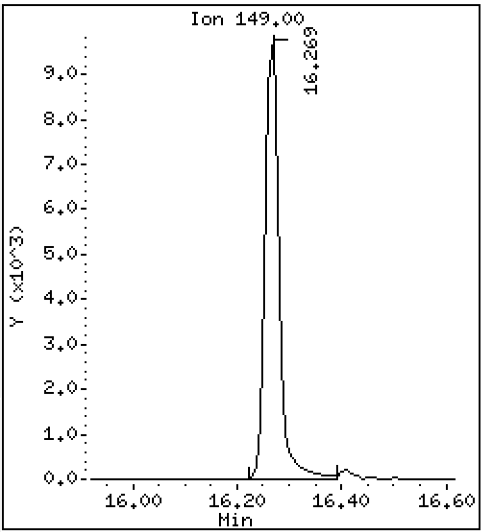
Concentration: 0.2277 ug/mL

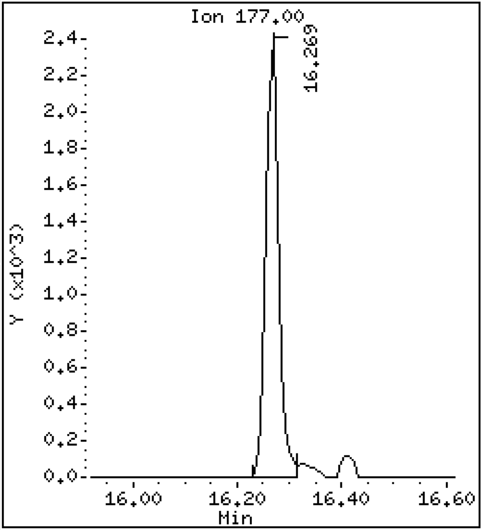

Scan 1488 (16.269 min) of NT1422123051.D

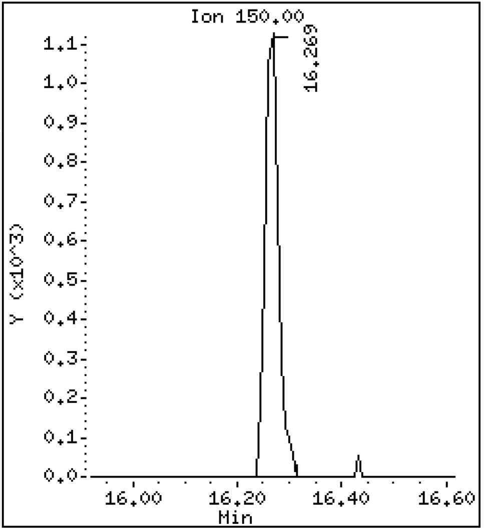

Scan 1488 (16.269 min) of NT1422123051.D (Subtracted)


50 Diethylphthalate (Reference Spectrum)


Scan 1488 (16.269 min) of NT1422123051.D (% DIFFERENCE)


Ion 149.00


Ion 177.00


Ion 150.00

Data File: \\target\share\chem3\nt14.i\20221230B.b\NT1422123051.D

Date : 31-DEC-2022 14:29

Client ID:

Instrument: nt14.i

Sample Info: SKL0355-LCV1

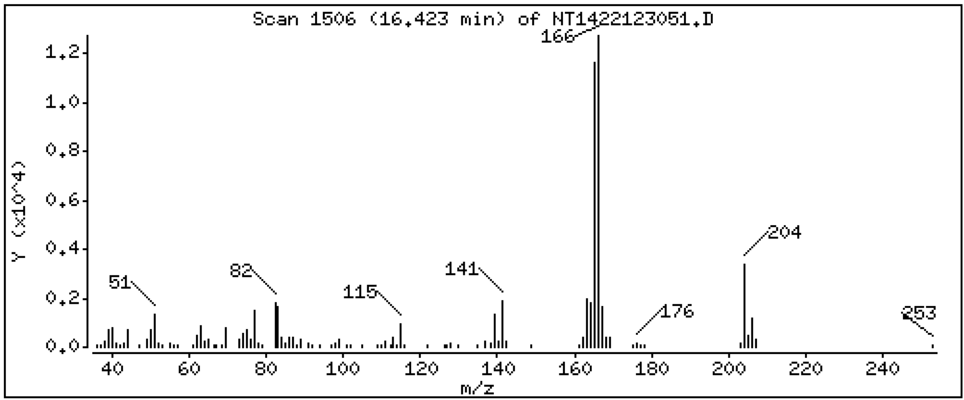
Operator: VTS

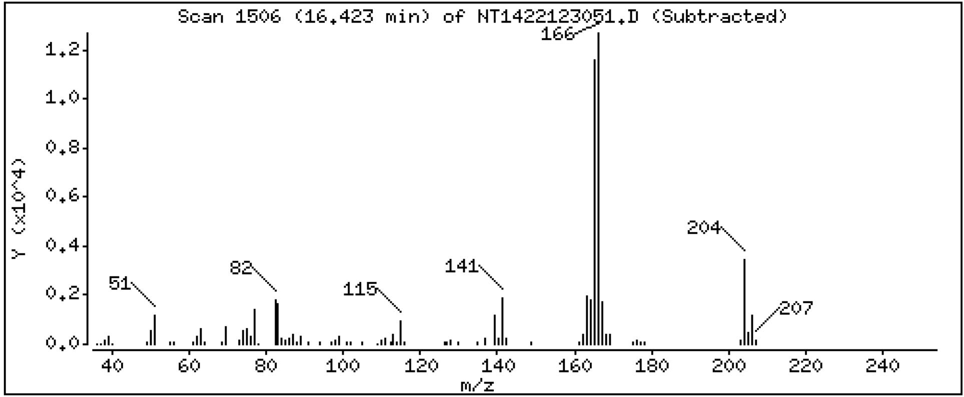
Column phase: ZB-5msi

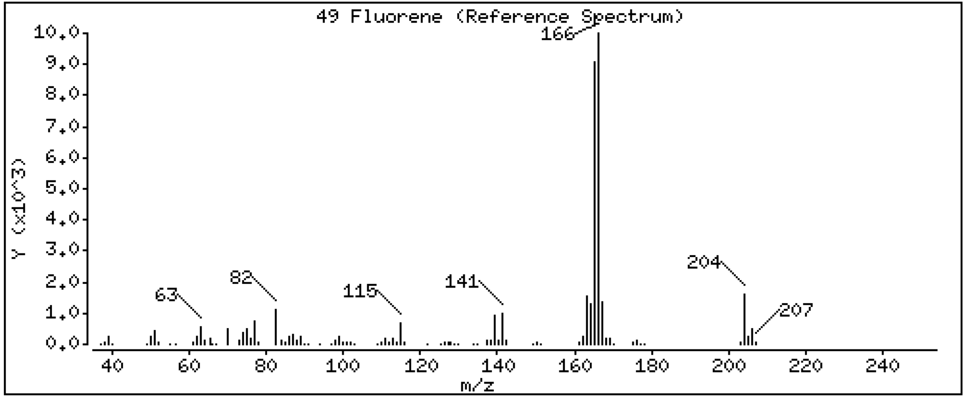
Column diameter: 0.25

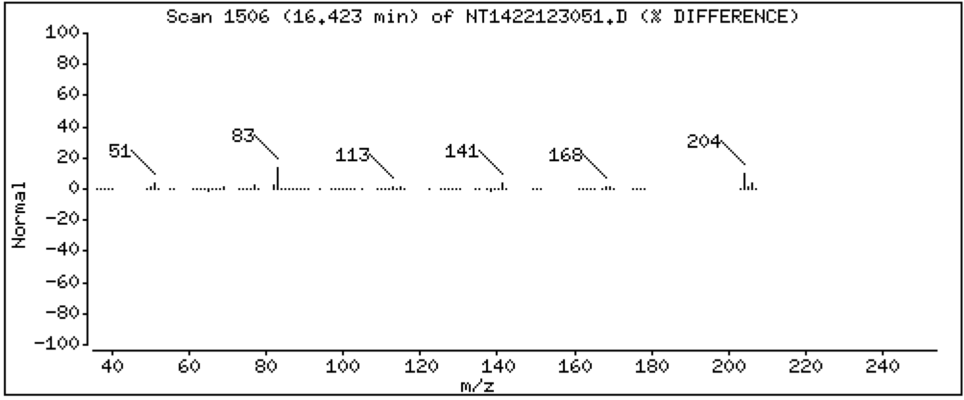
49 Fluorene

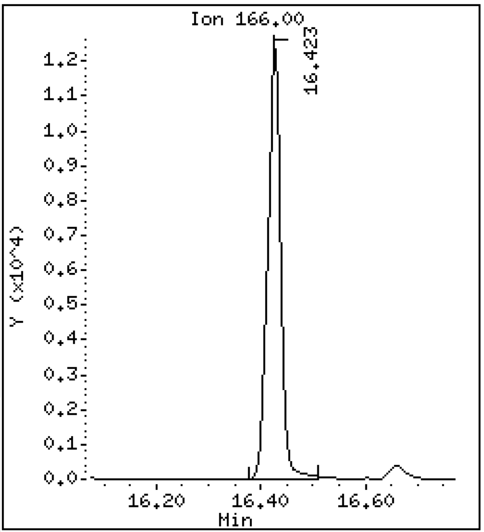
Concentration: 0.2274 ug/mL

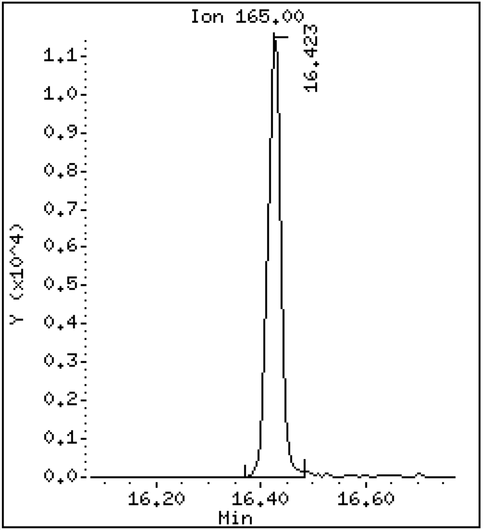

Scan 1506 (16.423 min) of NT1422123051.D

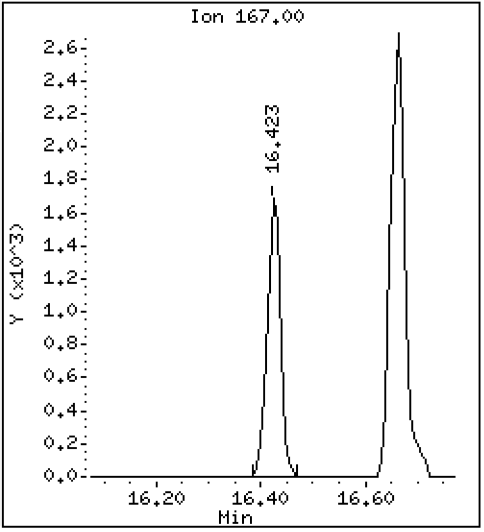

Scan 1506 (16.423 min) of NT1422123051.D (Subtracted)


49 Fluorene (Reference Spectrum)


Scan 1506 (16.423 min) of NT1422123051.D (% DIFFERENCE)


Ion 166.00


Ion 165.00


Ion 167.00

Data File: \\target\share\chem3\nt14.i\20221230B.b\NT1422123051.D

Date : 31-DEC-2022 14:29

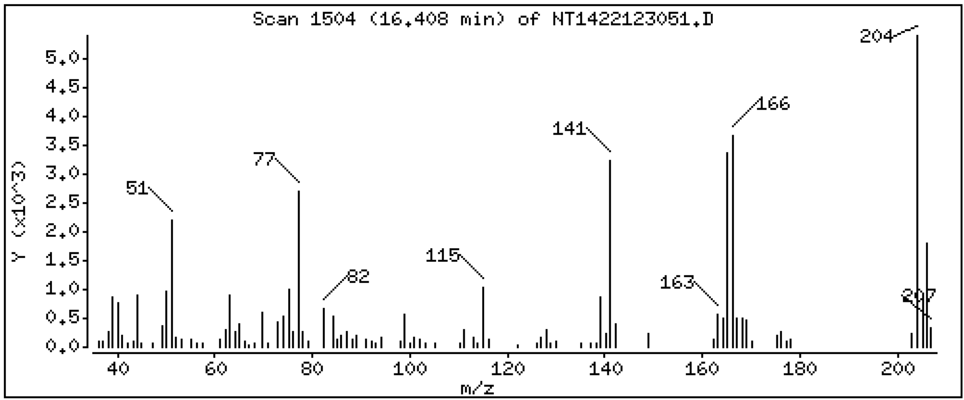
Client ID: Instrument: nt14.i

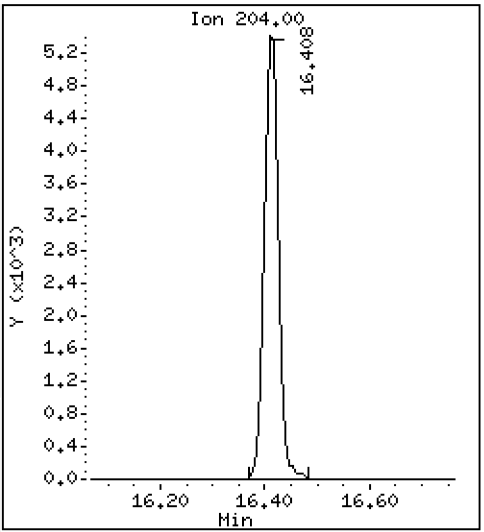
Sample Info: SKL0355-LCV1

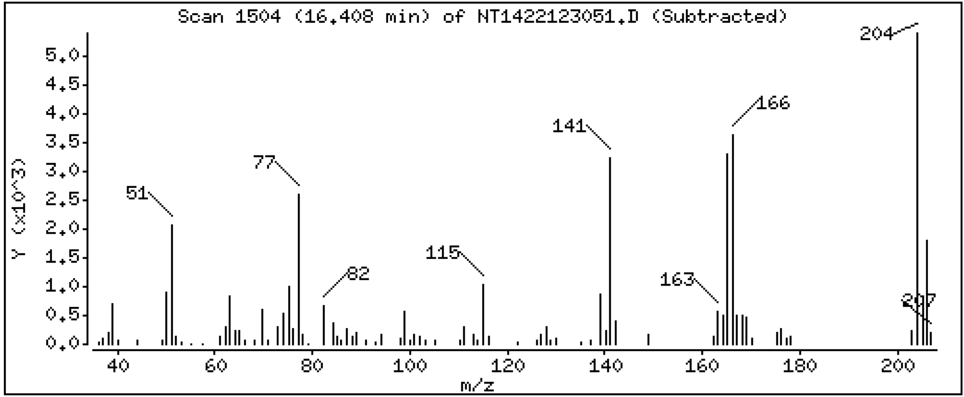
Operator: VTS

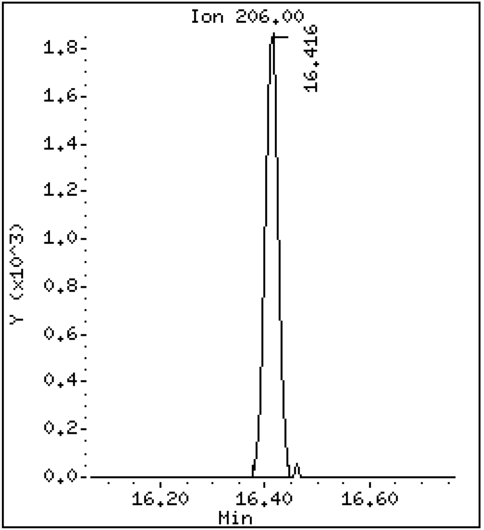
Column phase: ZB-5msi Column diameter: 0.25

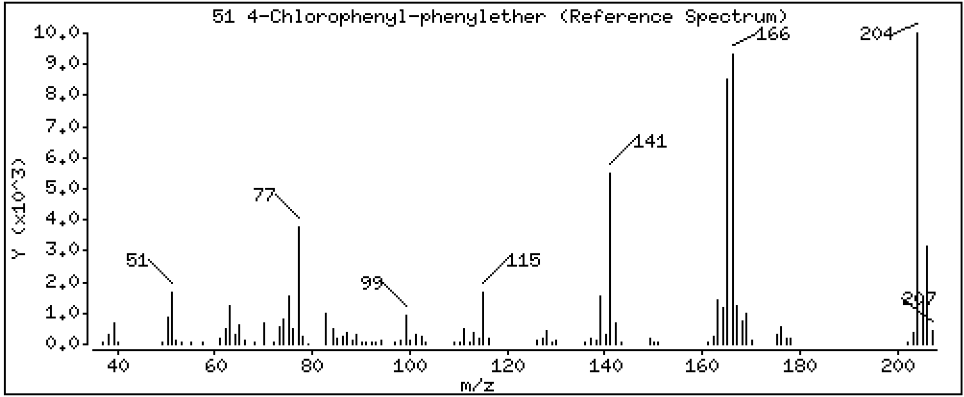
51 4-Chlorophenyl-phenylether Concentration: 0.2138 ug/mL

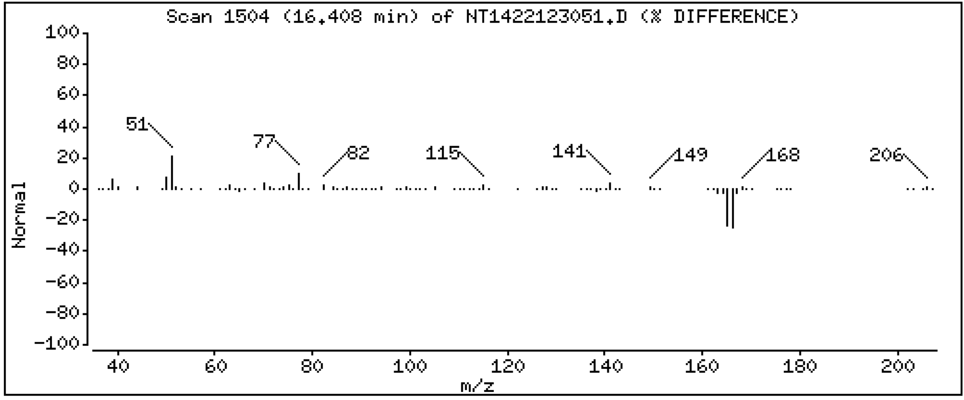

Scan 1504 (16.408 min) of NT1422123051.D

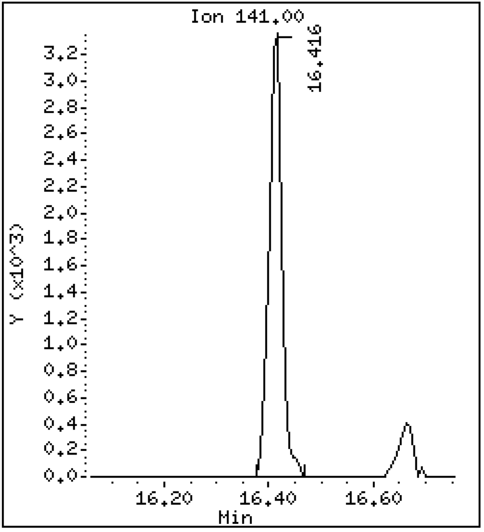

Ion 204.00


Scan 1504 (16.408 min) of NT1422123051.D (Subtracted)


Ion 206.00


51 4-Chlorophenyl-phenylether (Reference Spectrum)


Scan 1504 (16.408 min) of NT1422123051.D (% DIFFERENCE)


Ion 141.00

Data File: \\target\share\chem3\nt14.i\20221230B.b\NT1422123051.D

Date : 31-DEC-2022 14:29

Client ID:

Instrument: nt14.i

Sample Info: SKL0355-LCV1

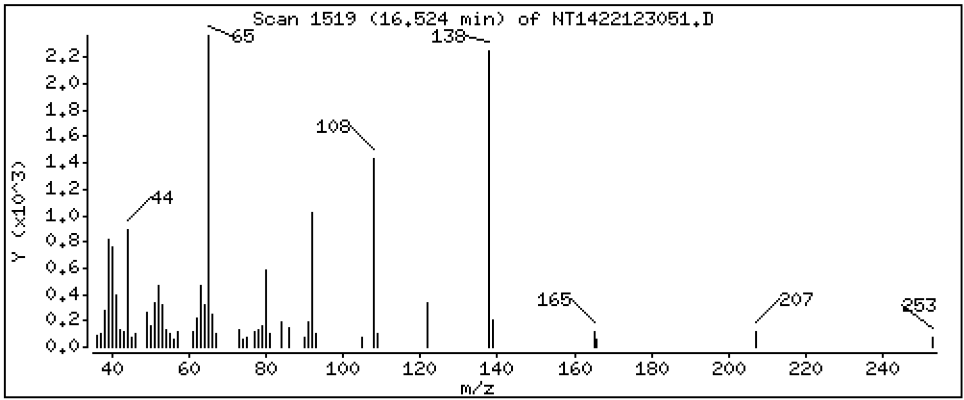
Operator: VTS

Column phase: ZB-5msi

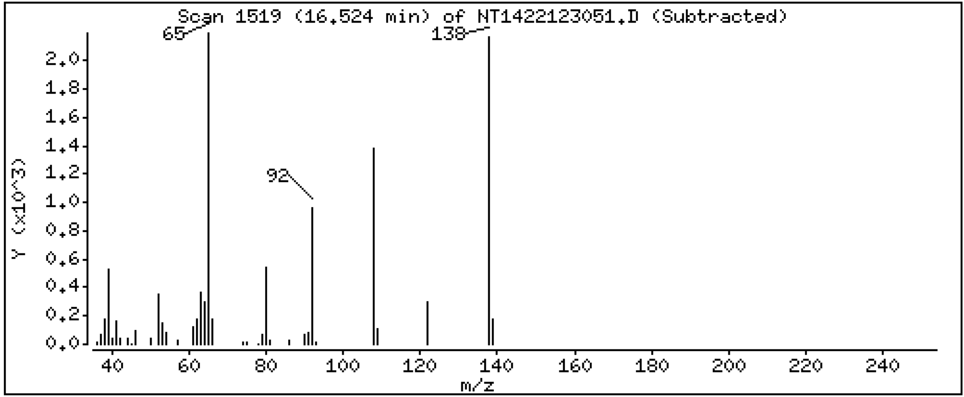
Column diameter: 0.25

52 4-Nitroaniline

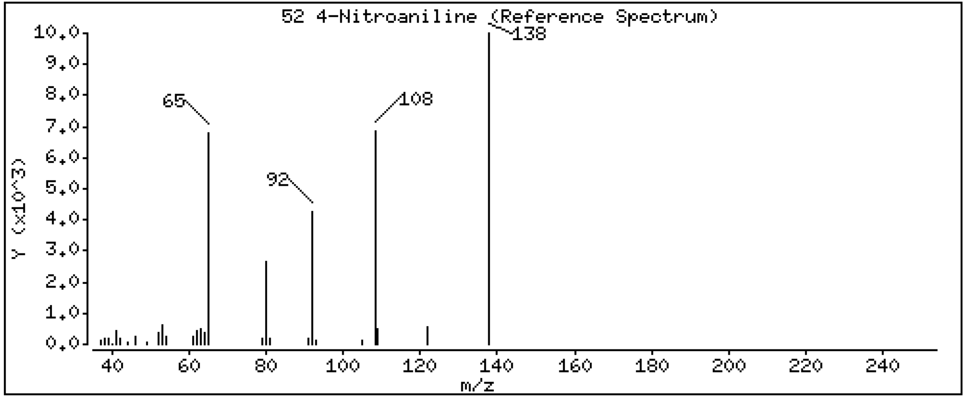
Concentration: 0.3128 ug/mL



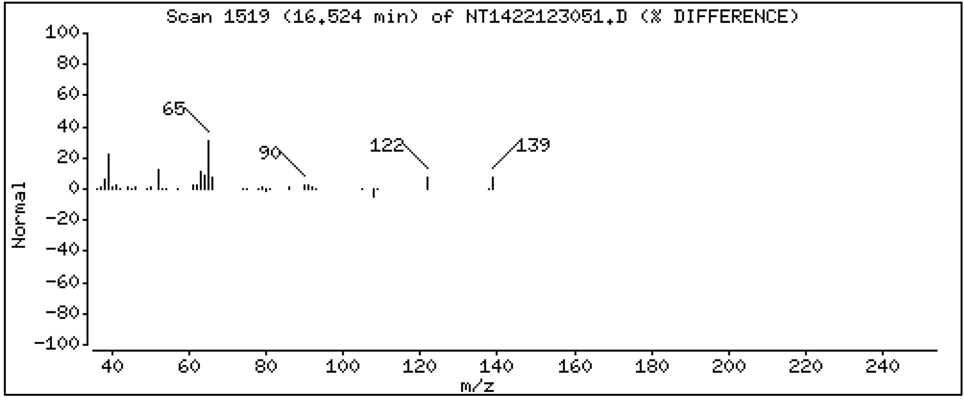
Scan 1519 (16.524 min) of NT1422123051.D



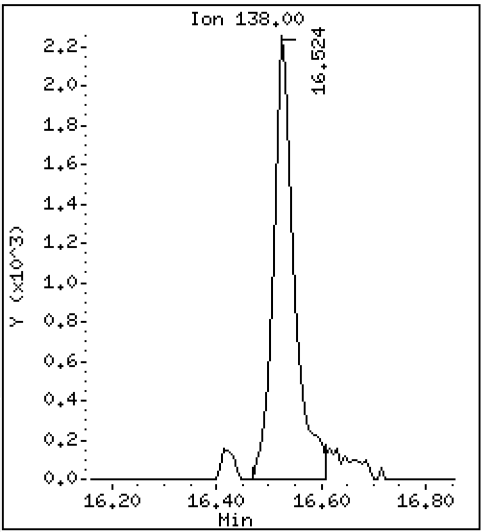
Scan 1519 (16.524 min) of NT1422123051.D (Subtracted)



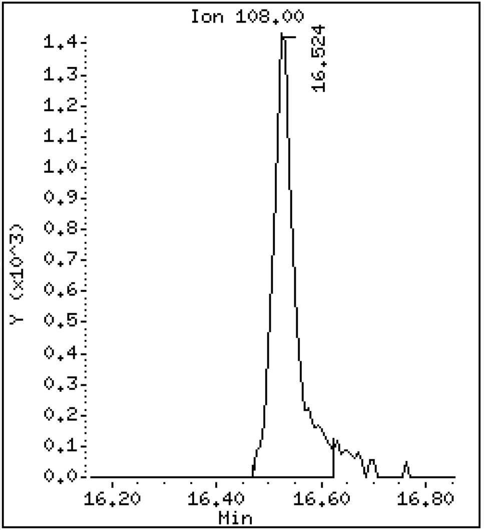
52 4-Nitroaniline (Reference Spectrum)



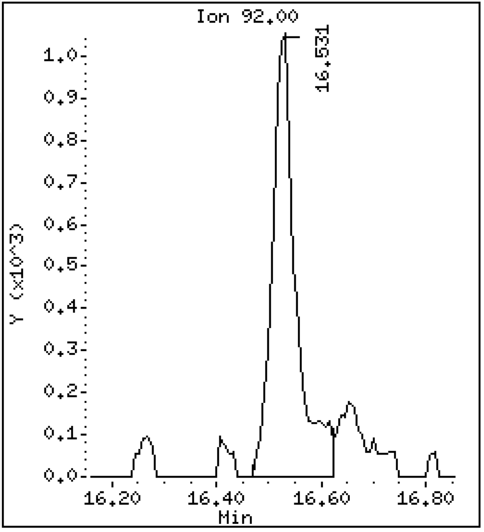
Scan 1519 (16.524 min) of NT1422123051.D (% DIFFERENCE)



Ion 138.00



Ion 108.00



Ion 92.00

Data File: \\target\share\chem3\nt14.i\20221230B.b\NT1422123051.D

Date : 31-DEC-2022 14:29

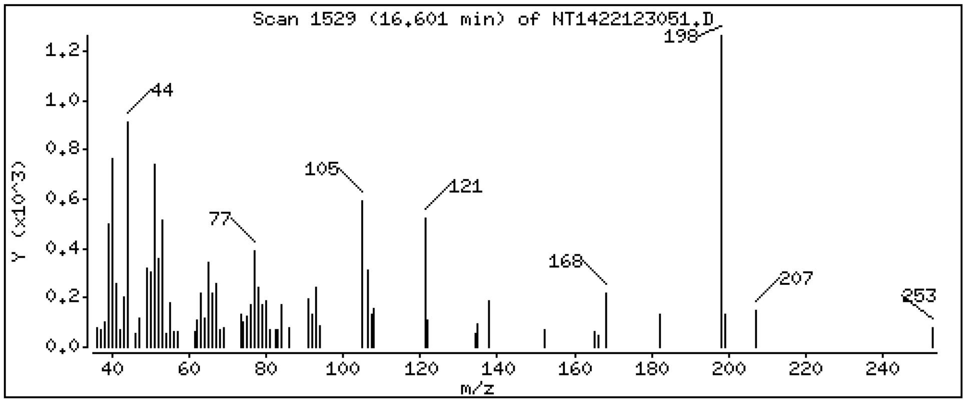
Client ID: Instrument: nt14.i

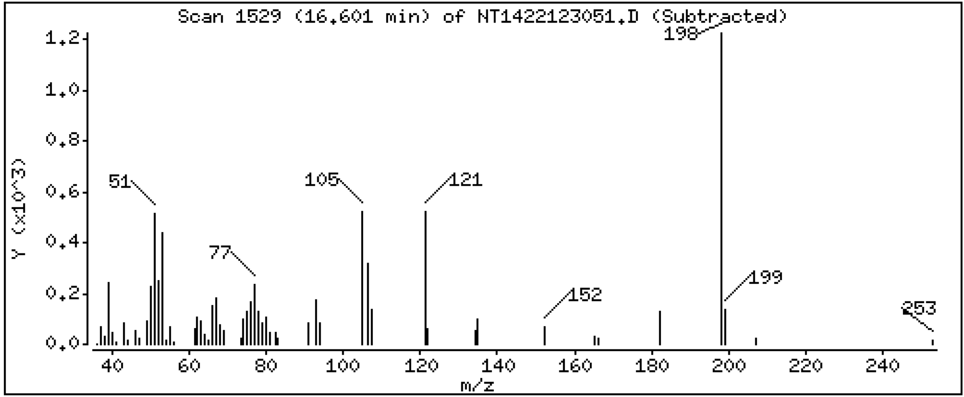
Sample Info: SKL0355-LCV1

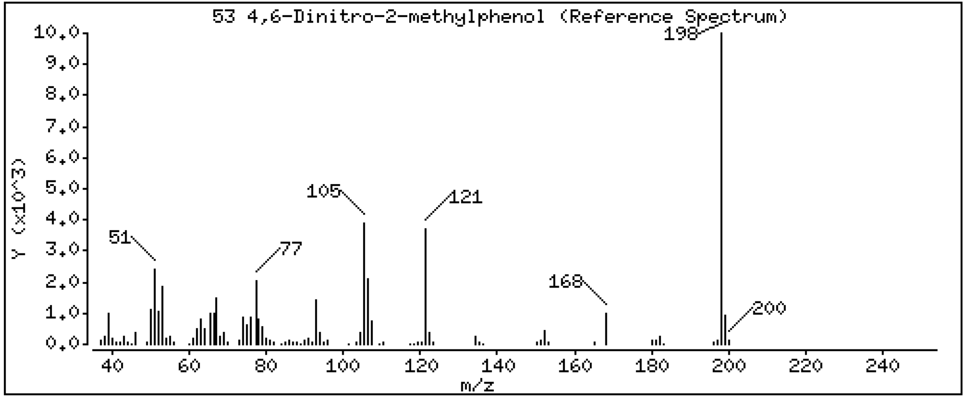
Operator: VTS

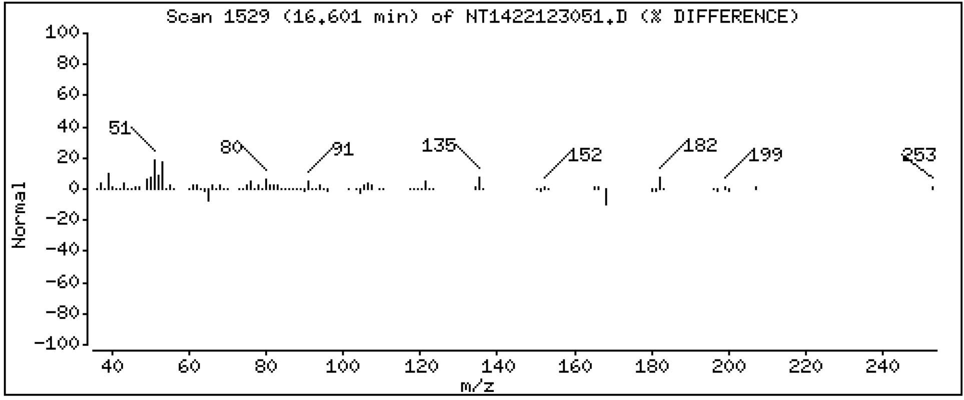
Column phase: ZB-5msi Column diameter: 0.25

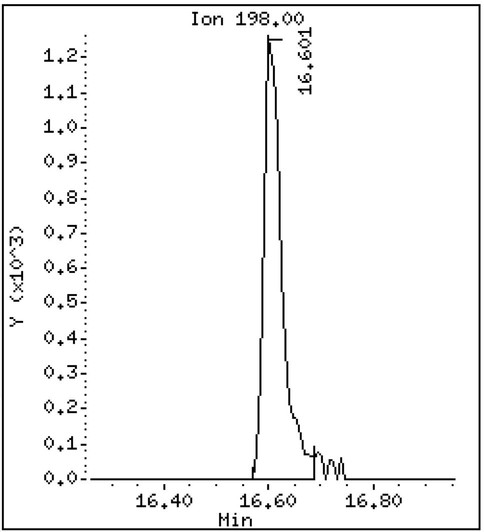
53 4,6-Dinitro-2-methylphenol Concentration: 0.2020 ug/mL

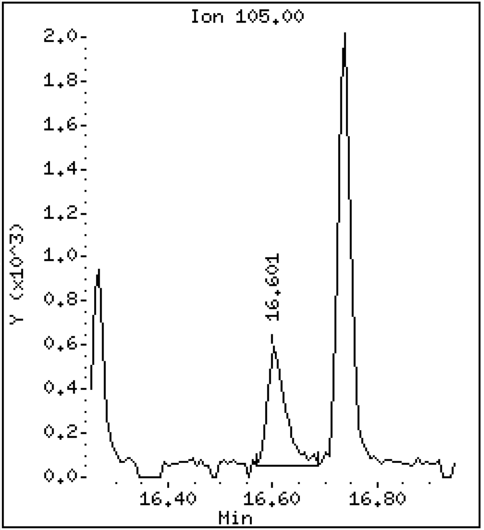


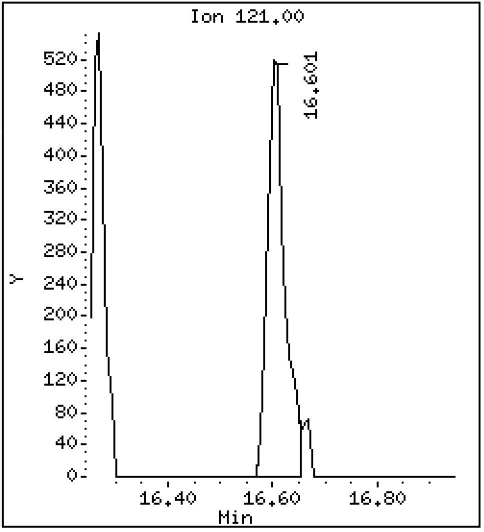












Data File: \\target\share\chem3\nt14.i\20221230B.b\NT1422123051.D

Date : 31-DEC-2022 14:29

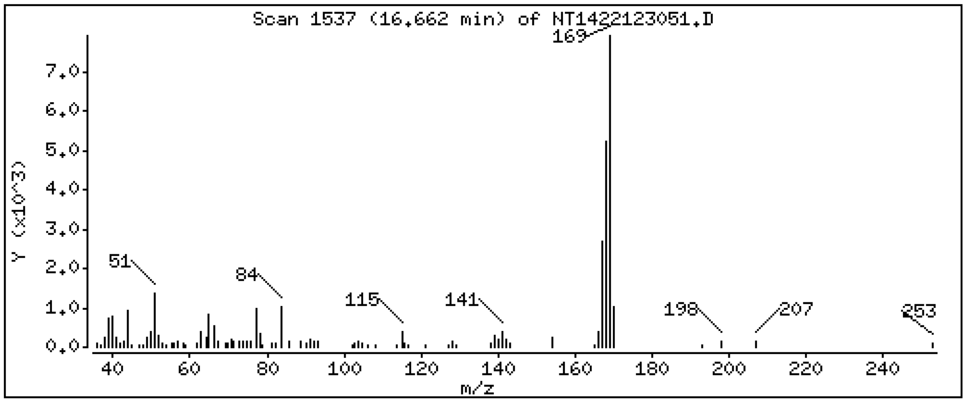
Client ID: Instrument: nt14.i

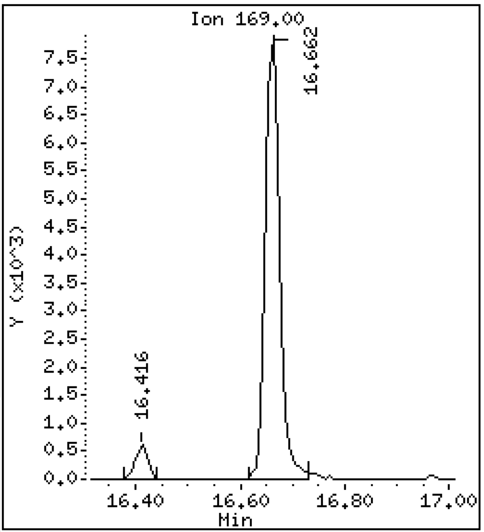
Sample Info: SKL0355-LCV1

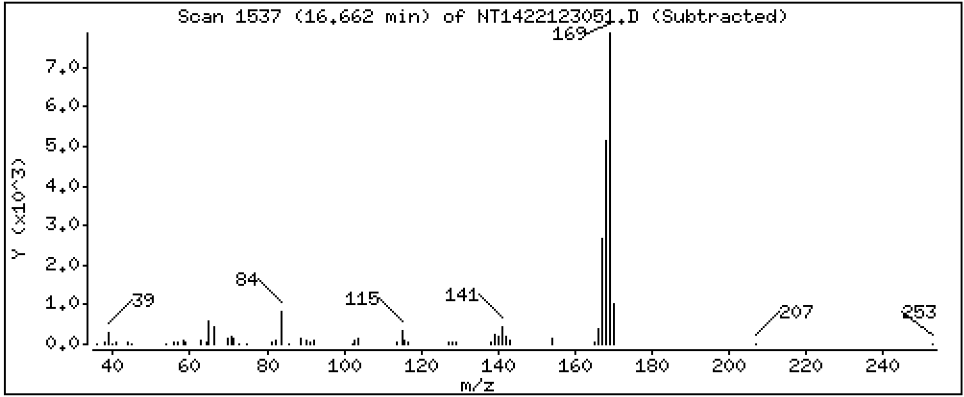
Operator: VTS

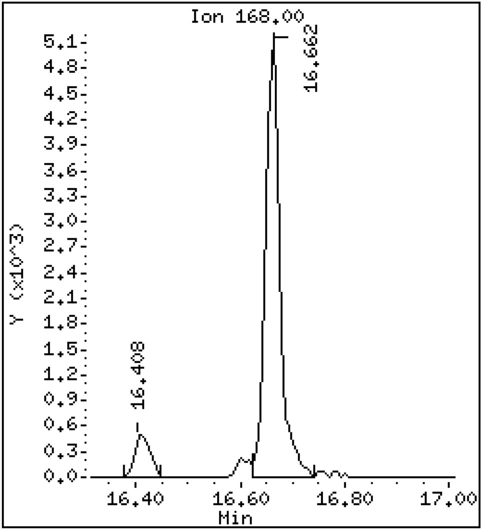
Column phase: ZB-5msi Column diameter: 0.25

54 N-Nitrosodiphenylamine Concentration: 0.2422 ug/mL


Scan 1537 (16.662 min) of NT1422123051.D


Ion 169.00


Scan 1537 (16.662 min) of NT1422123051.D (Subtracted)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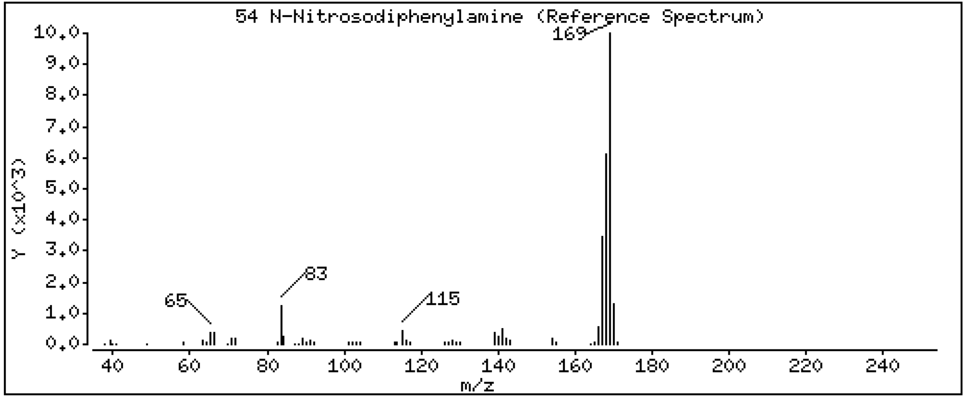
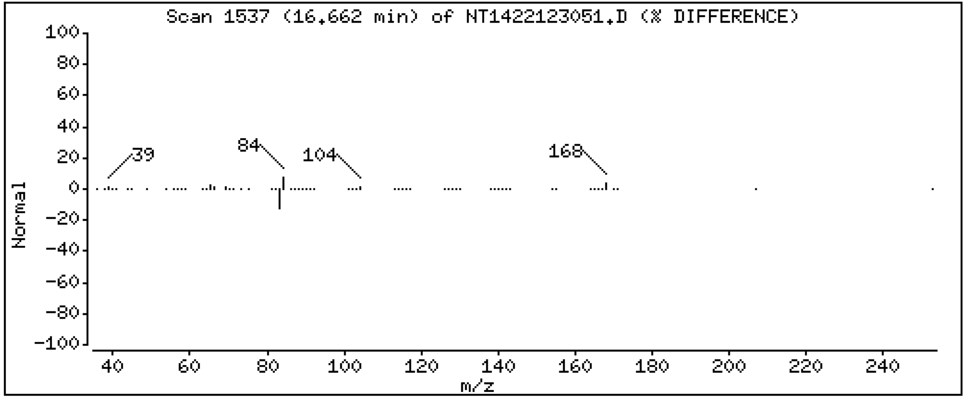
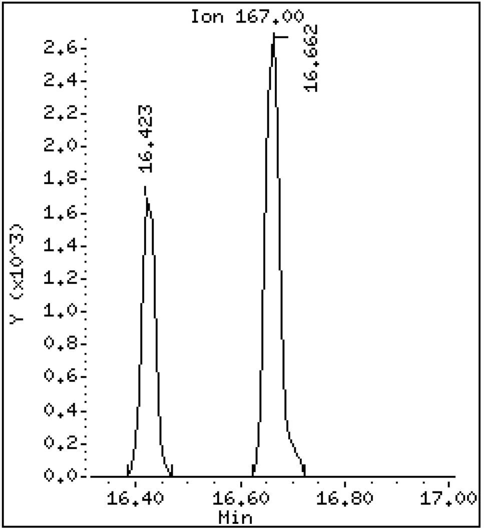

54 N-Nitrosodiphenylamine (Reference Spectrum)


Scan 1537 (16.662 min) of NT1422123051.D (% DIFFERENCE)


Ion 167.00

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Date : 31-DEC-2022 14:29

Client ID:

Instrument: nt14.i

Sample Info: SKL0355-LCV1

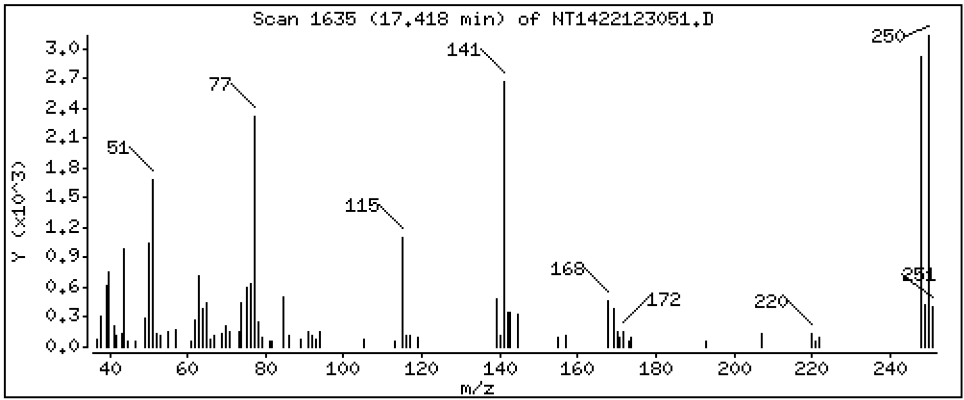
Operator: VTS

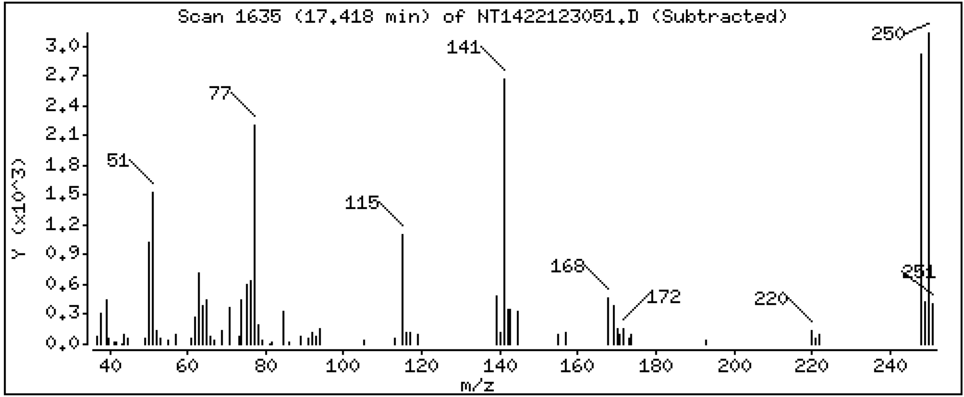
Column phase: ZB-5msi

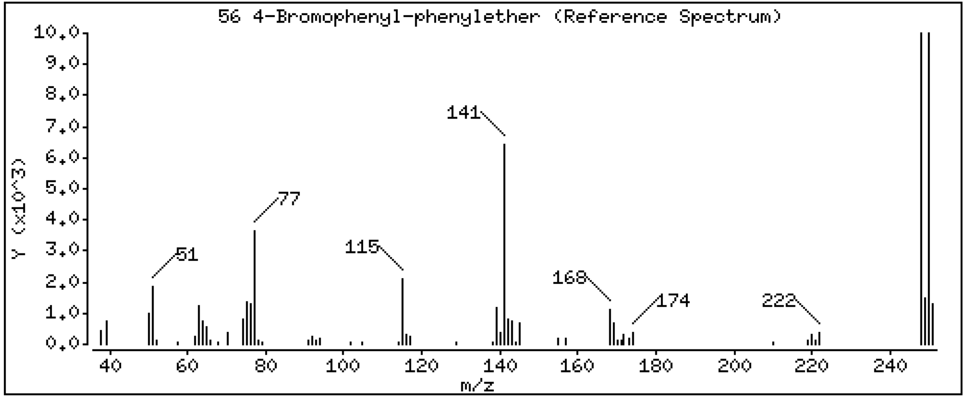
Column diameter: 0.25

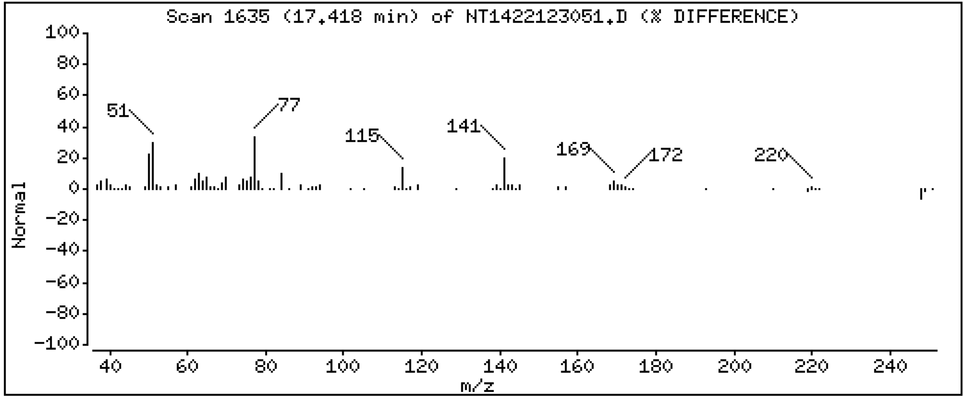
56 4-Bromophenyl-phenylether

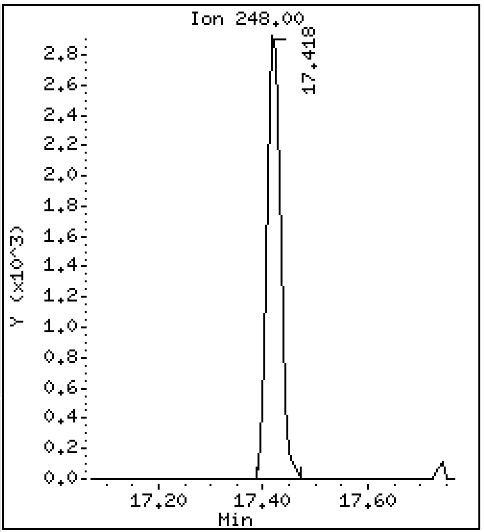
Concentration: 0.2274 ug/mL

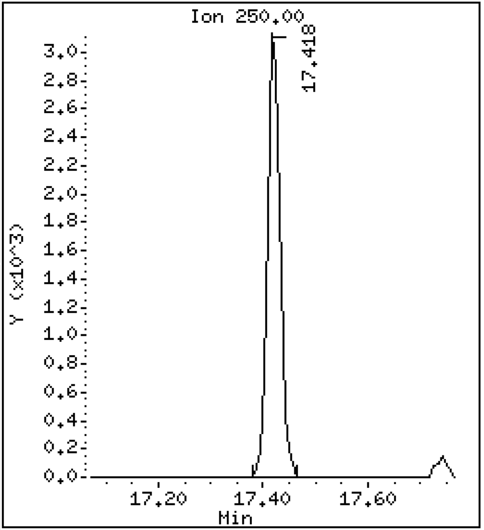


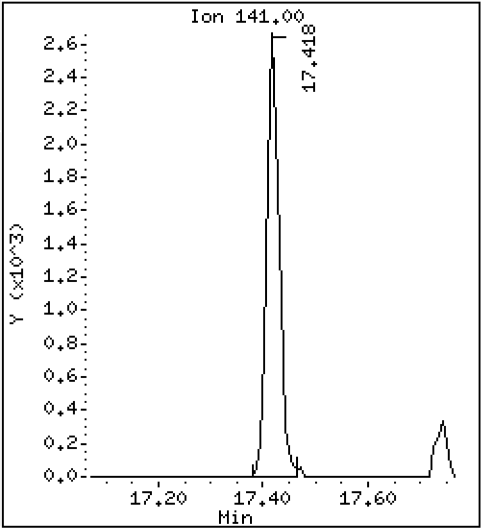












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Date : 31-DEC-2022 14:29

Client ID:

Instrument: nt14.i

Sample Info: SKL0355-LCV1

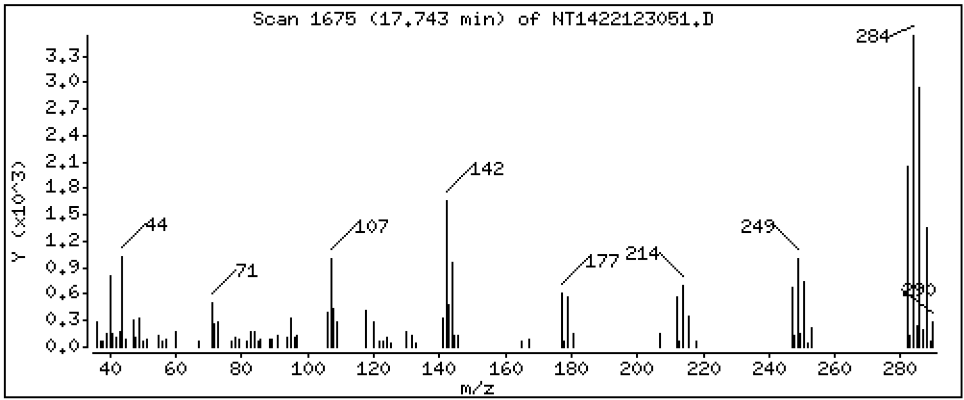
Operator: VTS

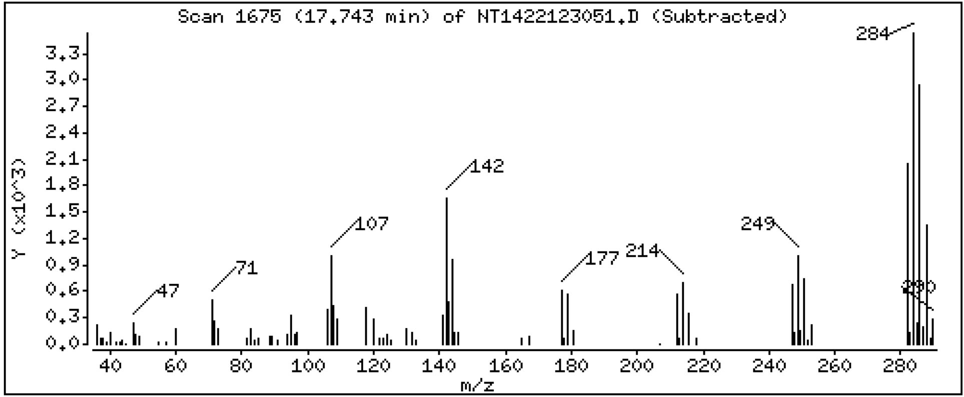
Column phase: ZB-5msi

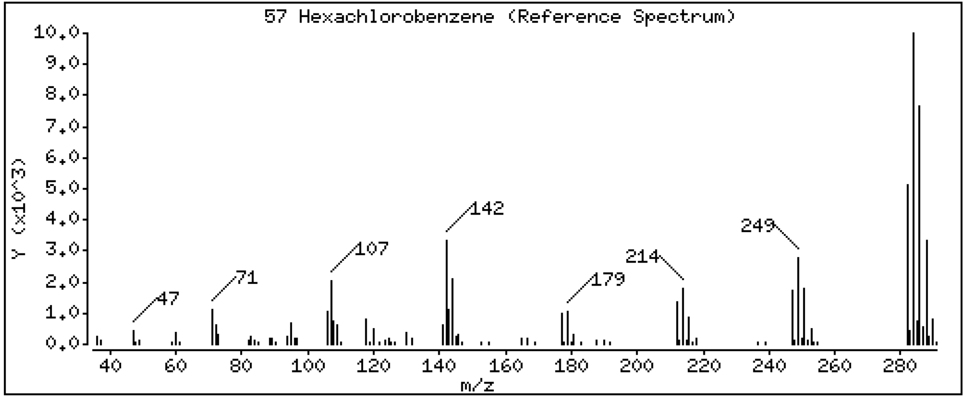
Column diameter: 0.25

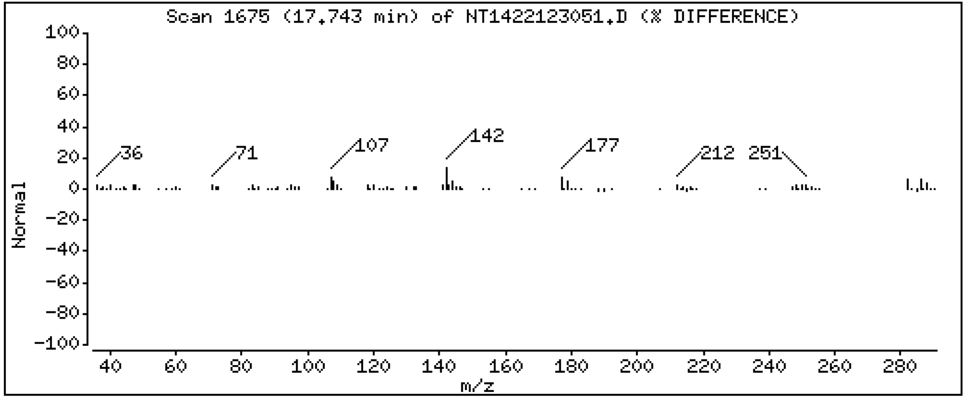
57 Hexachlorobenzene

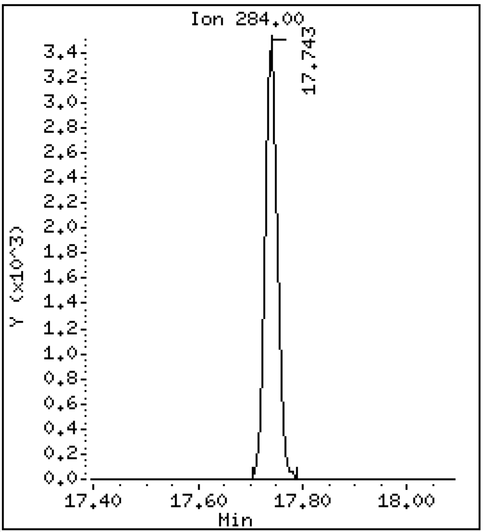
Concentration: 0.2291 ug/mL

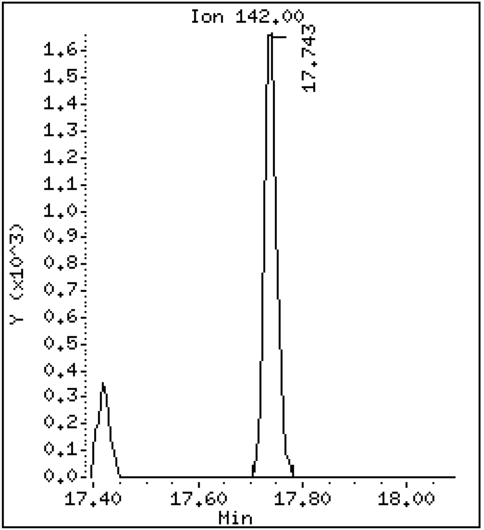


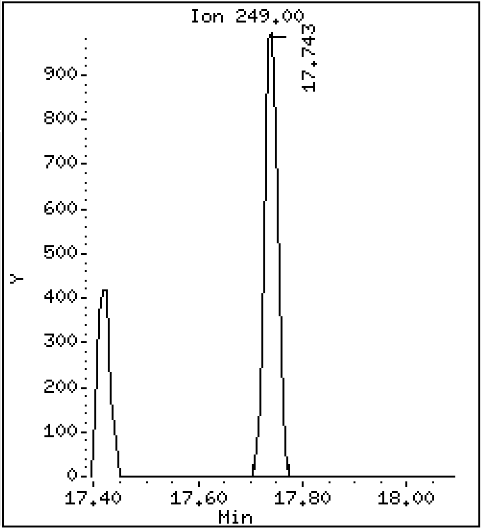












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Date : 31-DEC-2022 14:29

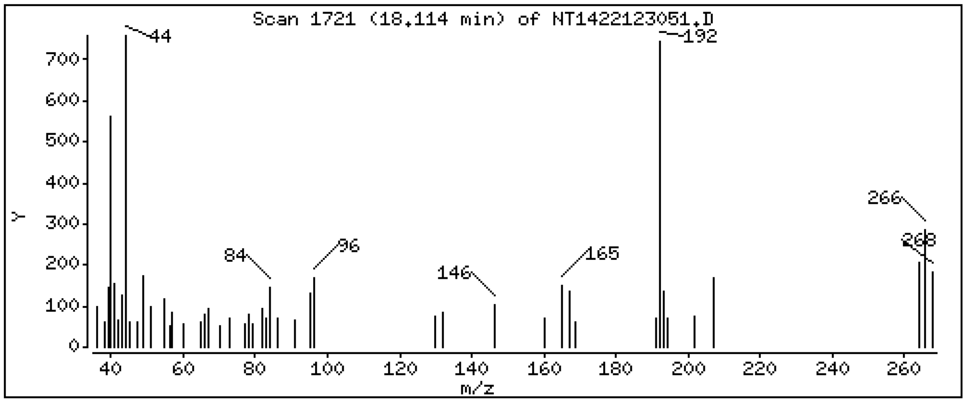
Client ID: Instrument: nt14.i

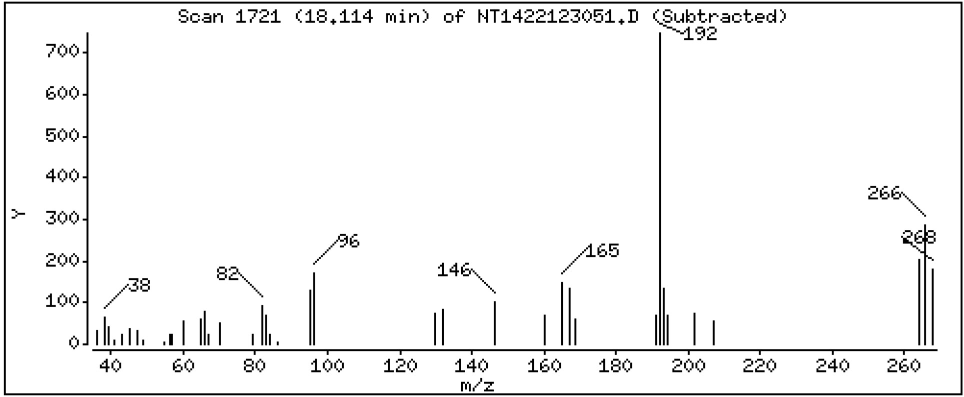
Sample Info: SKL0355-LCV1

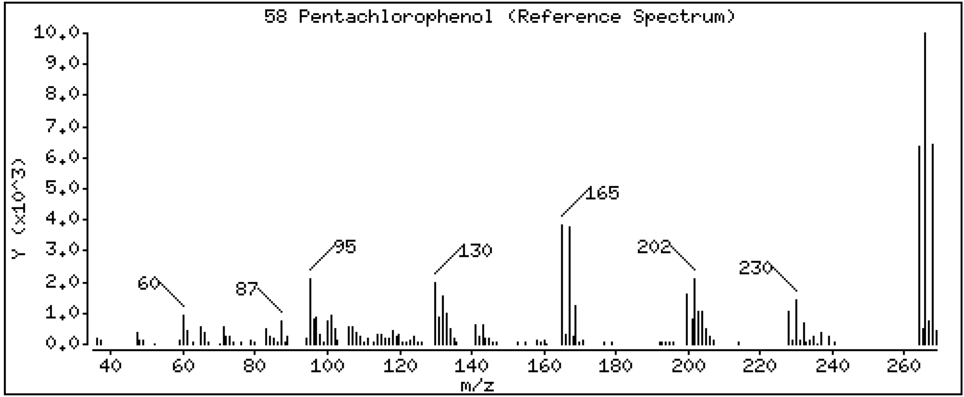
Operator: VTS

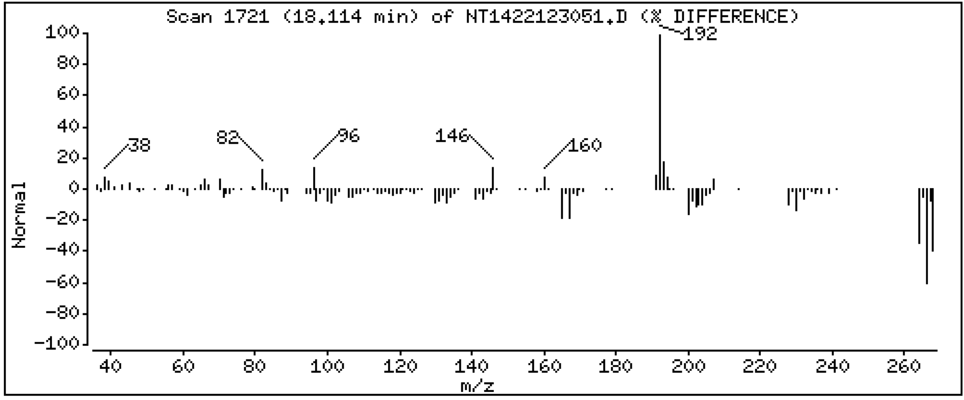
Column phase: ZB-5msi Column diameter: 0.25

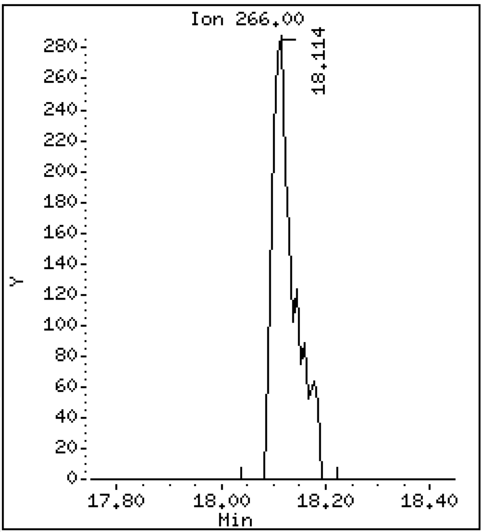
58 Pentachlorophenol Concentration: 0.07669 ug/mL

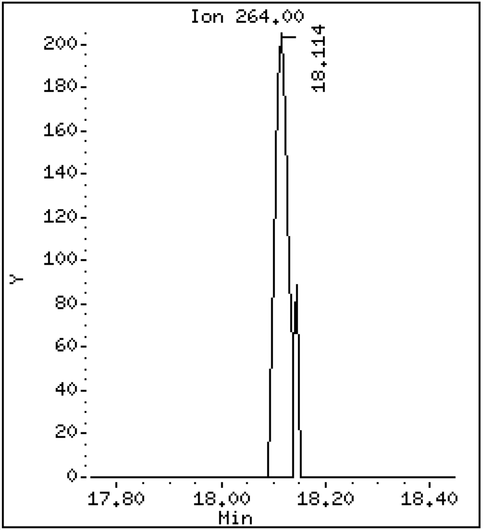


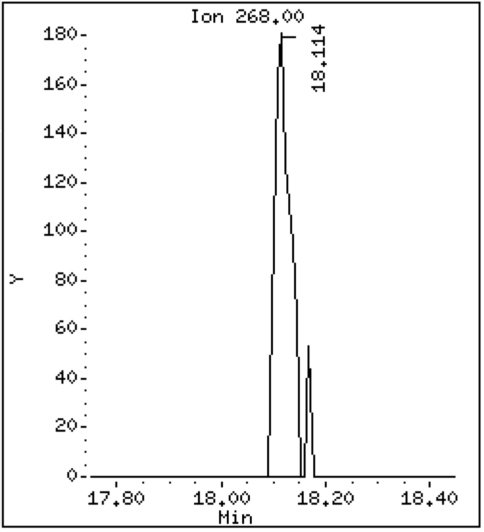












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Date : 31-DEC-2022 14:29

Client ID:

Instrument: nt14.i

Sample Info: SKL0355-LCV1

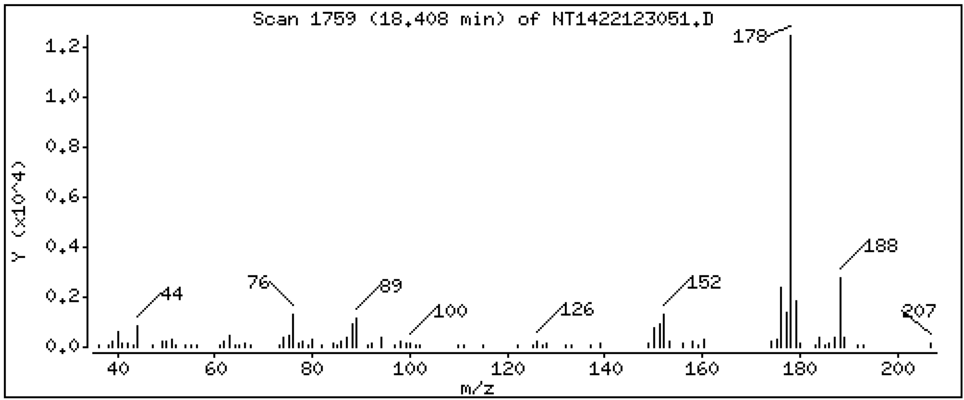
Operator: VTS

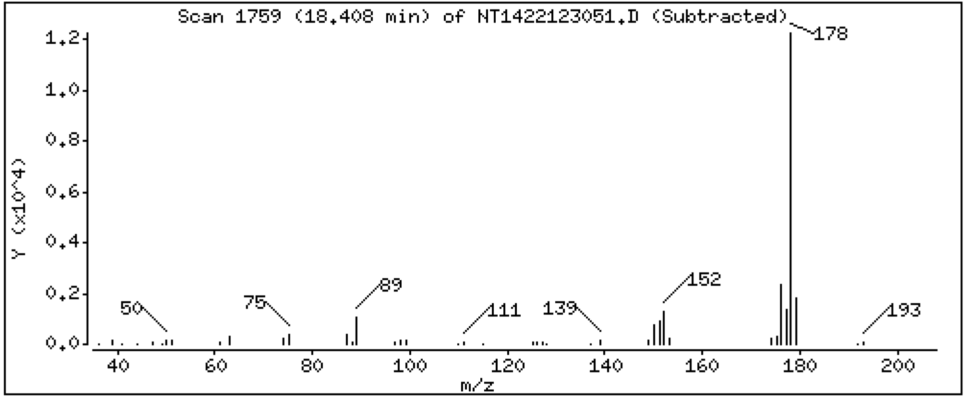
Column phase: ZB-5msi

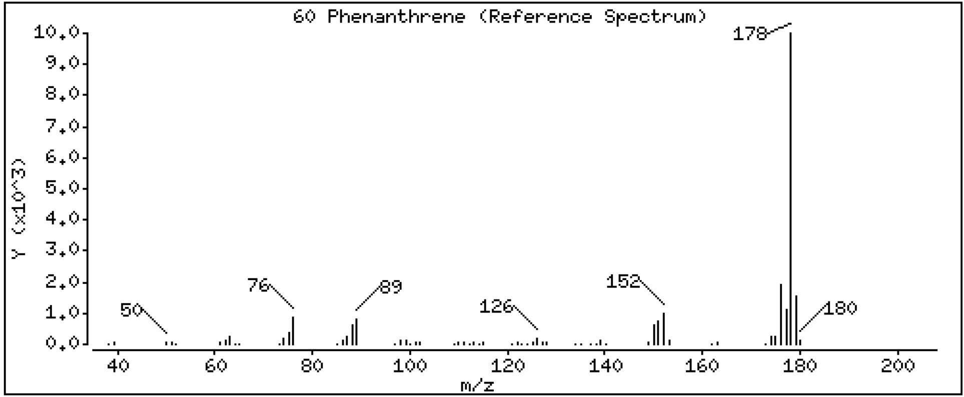
Column diameter: 0.25

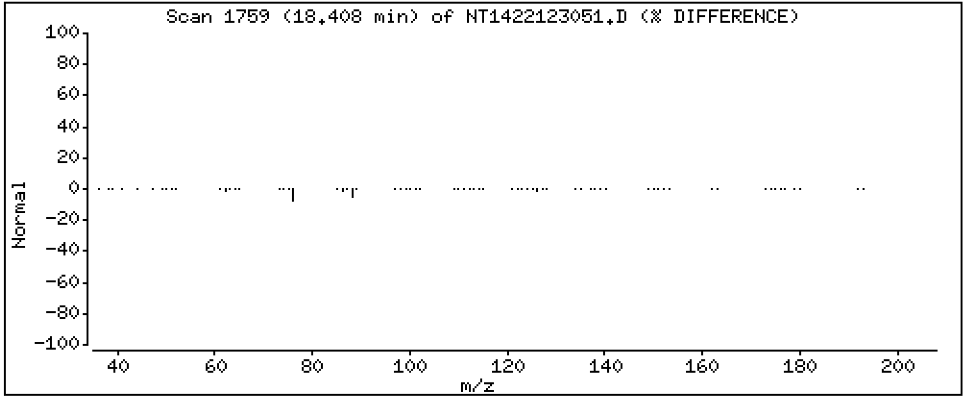
60 Phenanthrene

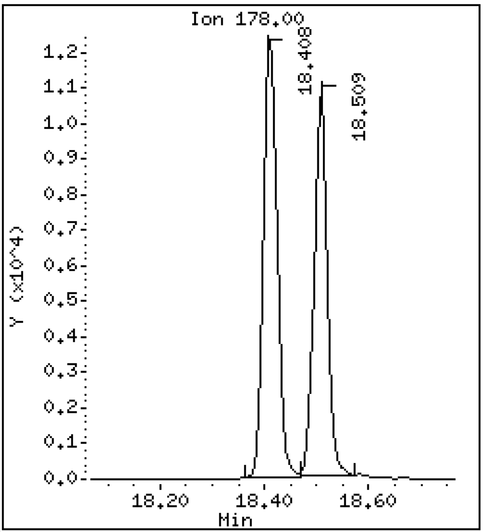
Concentration: 0.2415 ug/mL

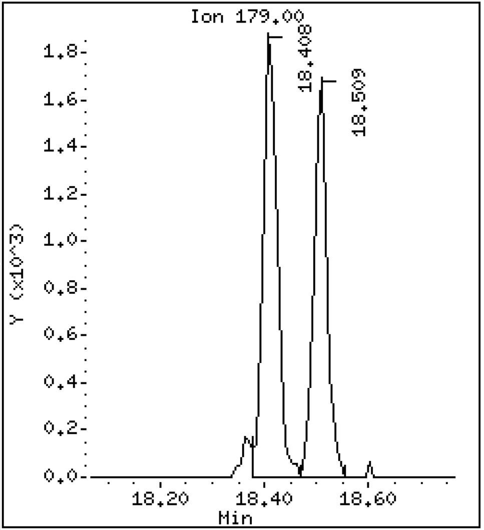


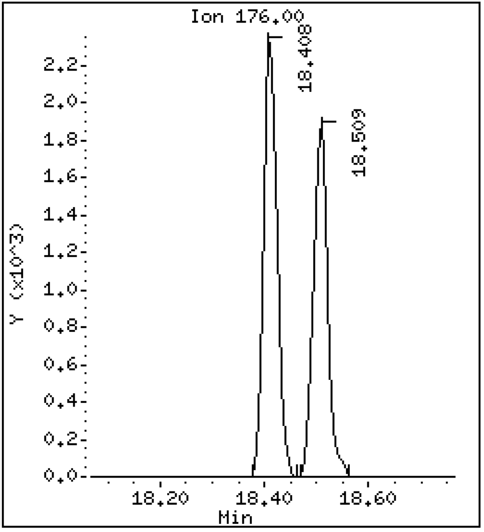












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Date : 31-DEC-2022 14:29

Client ID: Instrument: nt14.i

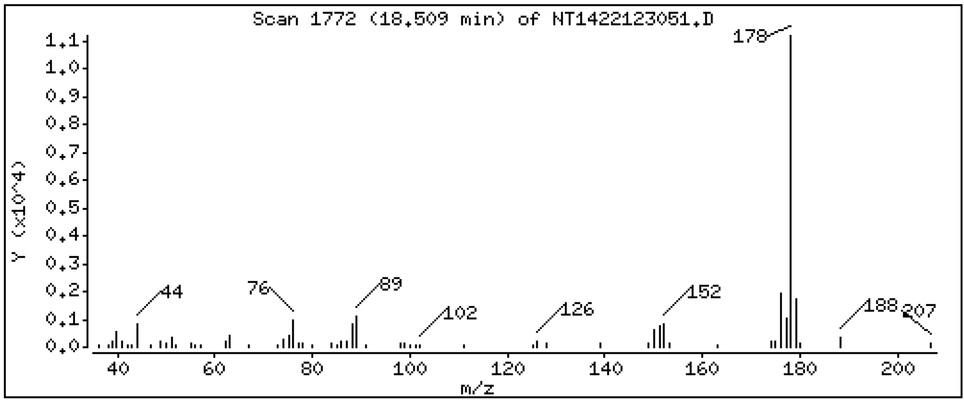
Sample Info: SKL0355-LCV1

Operator: VTS

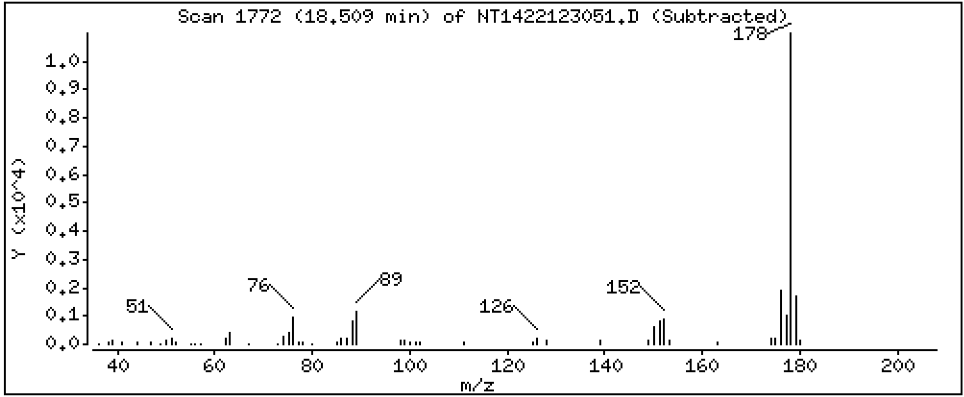
Column phase: ZB-5msi Column diameter: 0.25

61 Anthracene Concentration: 0.2183 ug/mL

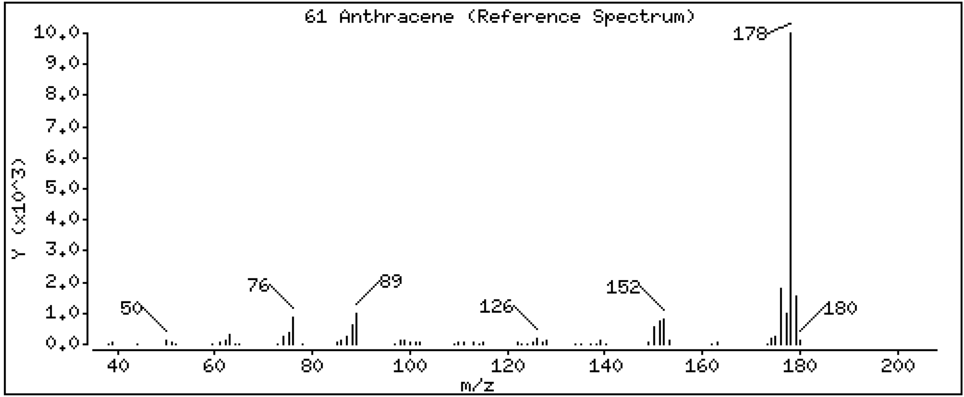
Scan 1772 (18.509 min) of NT1422123051.D



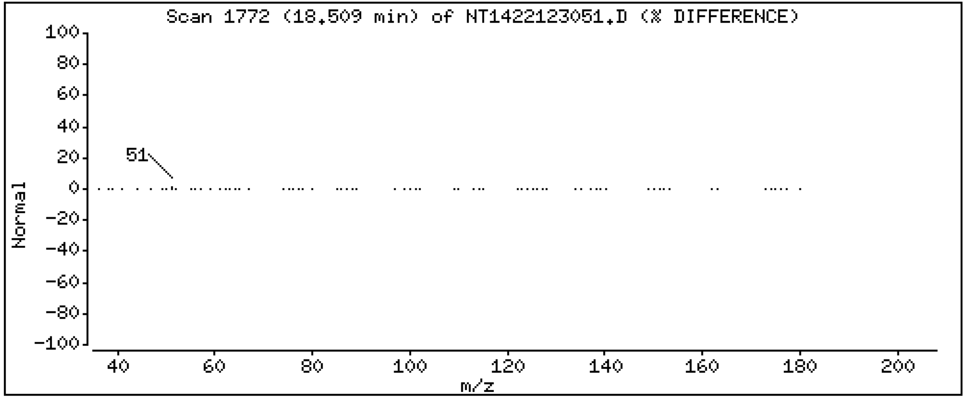
Scan 1772 (18.509 min) of NT1422123051.D (Subtracted)



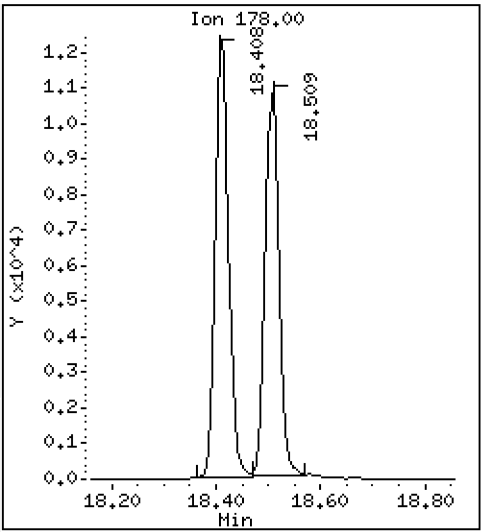
61 Anthracene (Reference Spectrum)



Scan 1772 (18.509 min) of NT1422123051.D (% DIFFERENCE)



Ion 178.00



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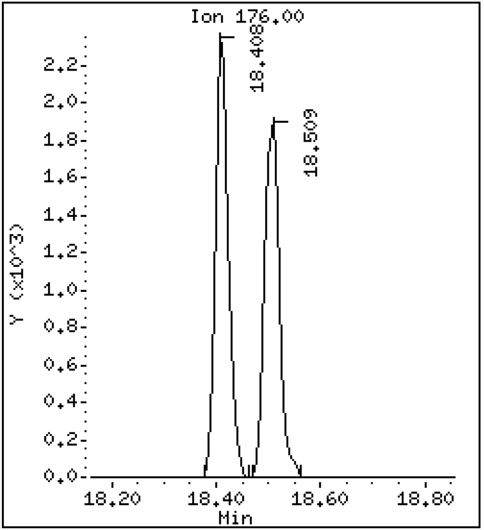
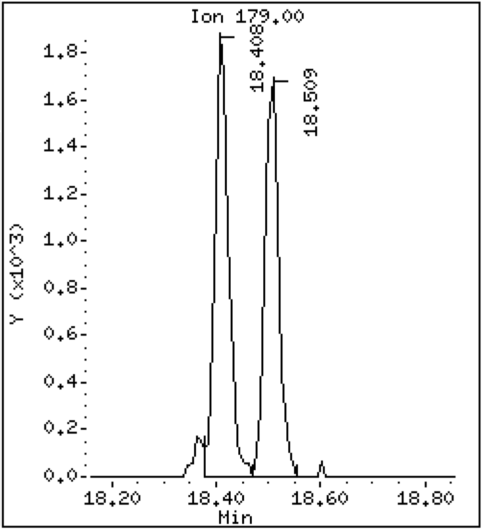


Ion 179.00



Data File: \\target\share\chem3\nt14.i\20221230B.b\NT1422123051.D

Date : 31-DEC-2022 14:29

Client ID:

Instrument: nt14.i

Sample Info: SKL0355-LCV1

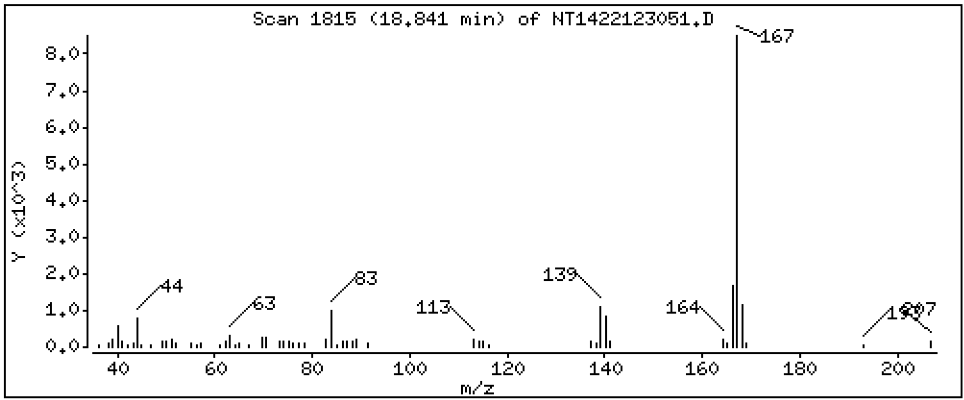
Operator: VTS

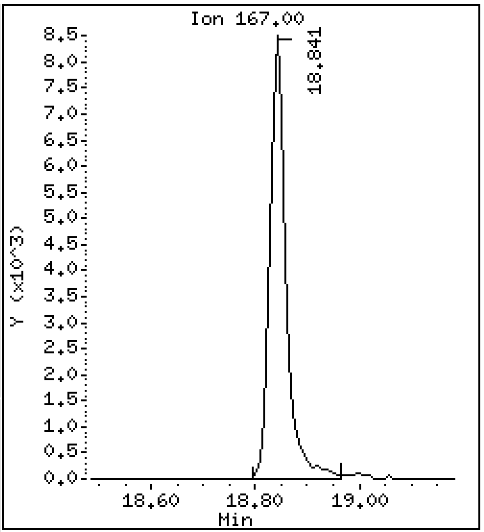
Column phase: ZB-5msi

Column diameter: 0.25

62 Carbazole

Concentration: 0.2174 ug/mL


Scan 1815 (18.841 min) of NT1422123051.D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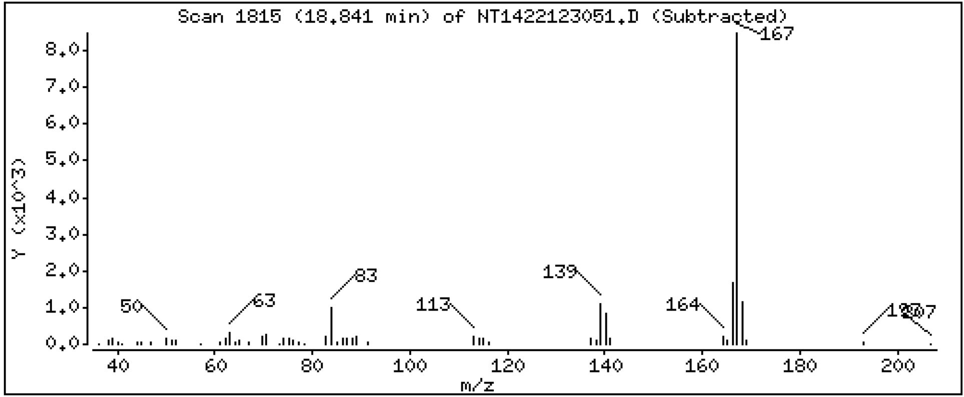
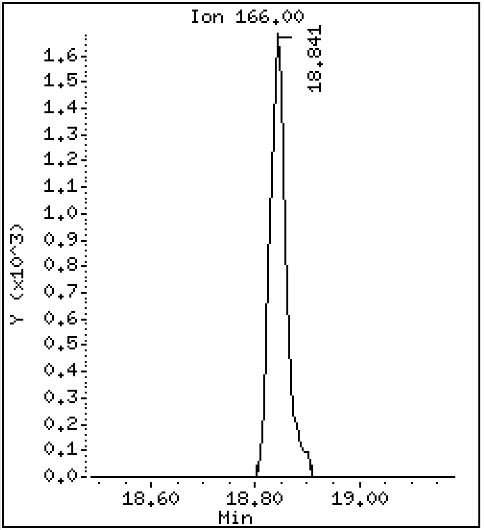

Scan 1815 (18.841 min) of NT1422123051.D (Subtracted)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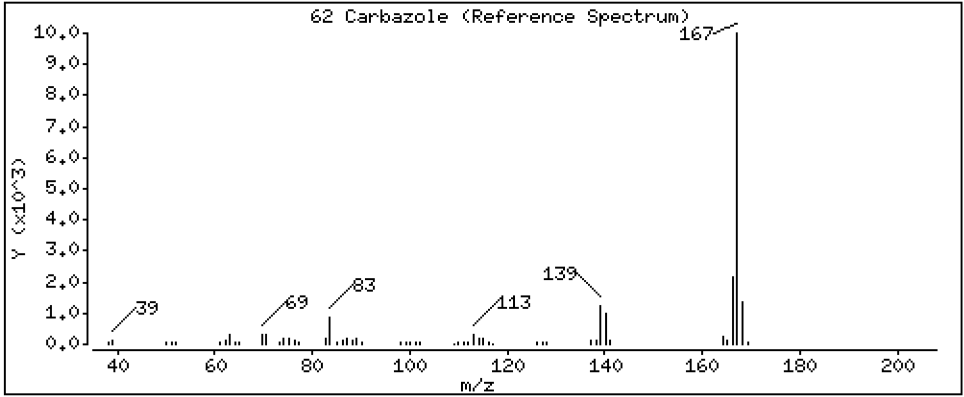
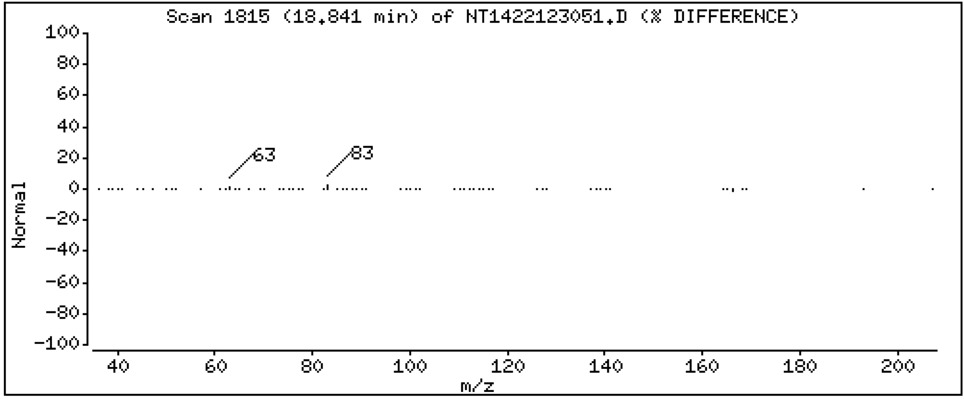
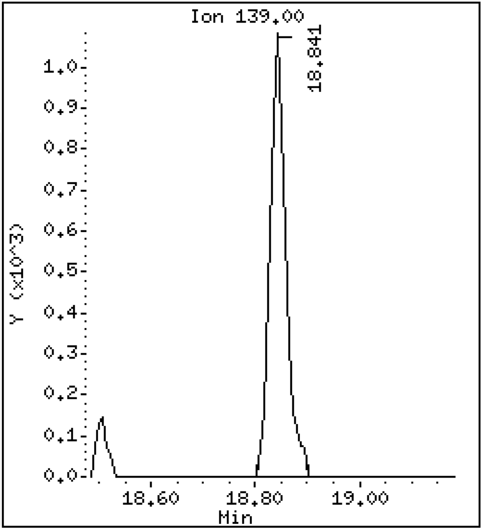

62 Carbazole (Reference Spectrum)


Scan 1815 (18.841 min) of NT1422123051.D (% DIFFERENCE)


Ion 139.00

Data File: \\target\share\chem3\nt14.i\20221230B.b\NT1422123051.D

Date : 31-DEC-2022 14:29

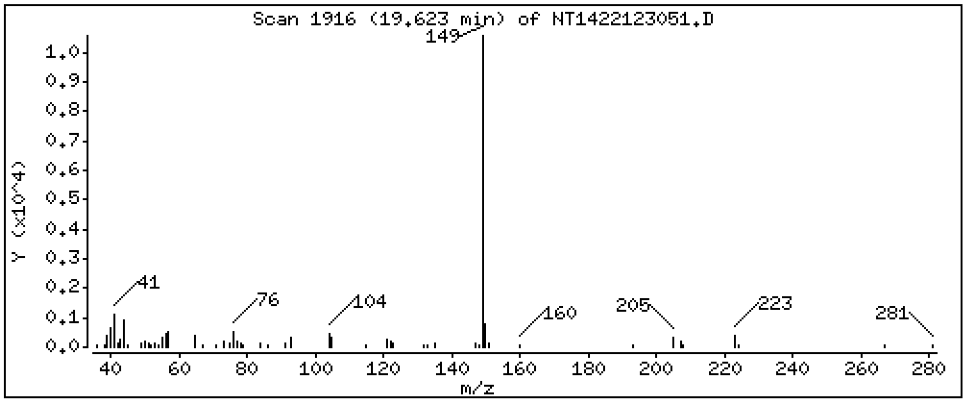
Client ID: Instrument: nt14.i

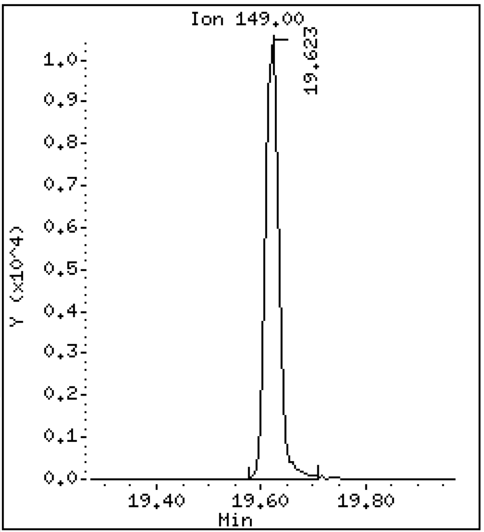
Sample Info: SKL0355-LCV1

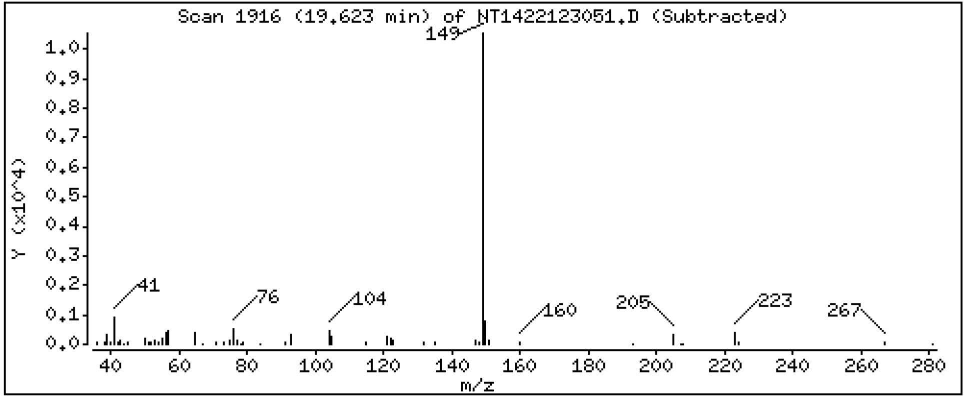
Operator: VTS

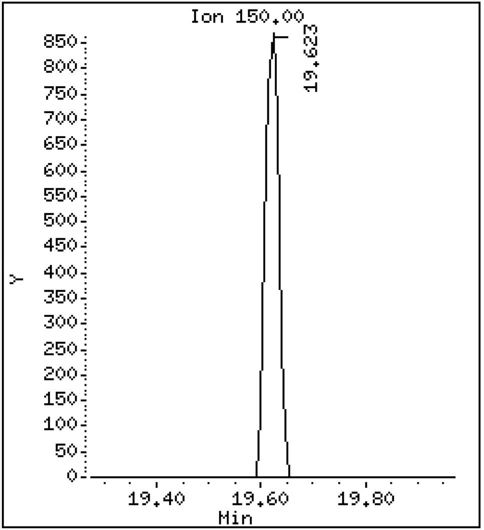
Column phase: ZB-5msi Column diameter: 0.25

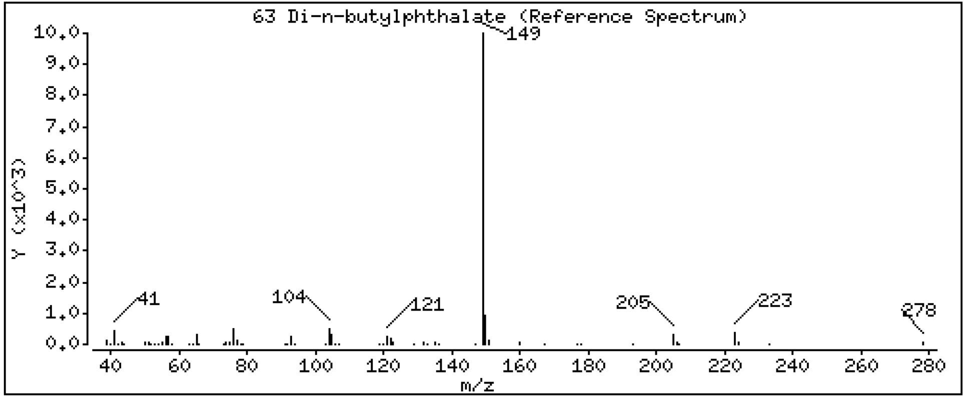
63 Di-n-butylphthalate Concentration: 0.1906 ug/mL

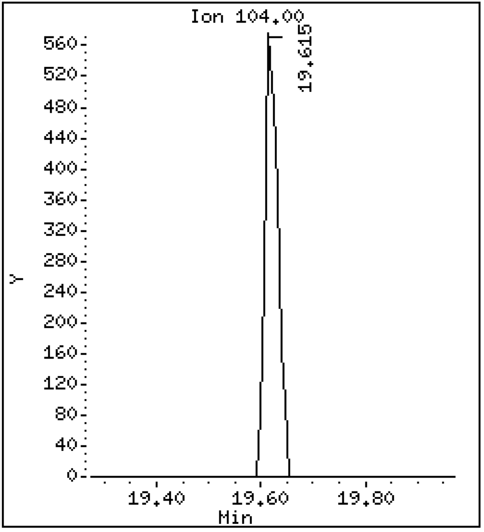


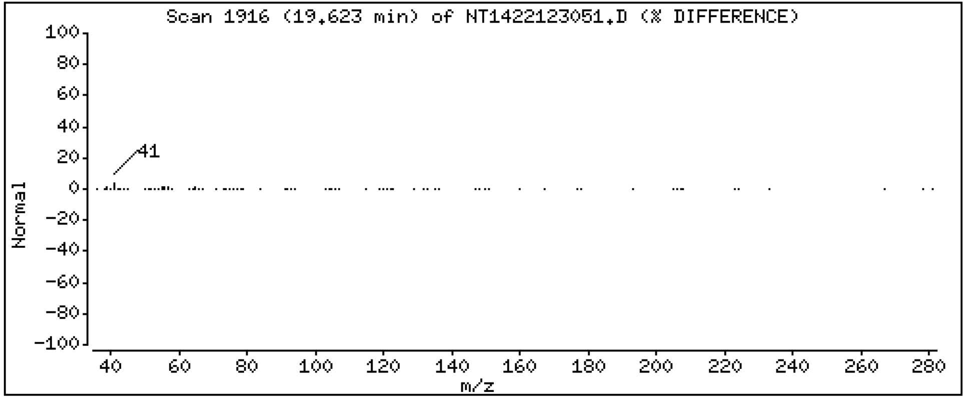












Data File: \\target\share\chem3\nt14.i\20221230B.b\NT1422123051.D

Date : 31-DEC-2022 14:29

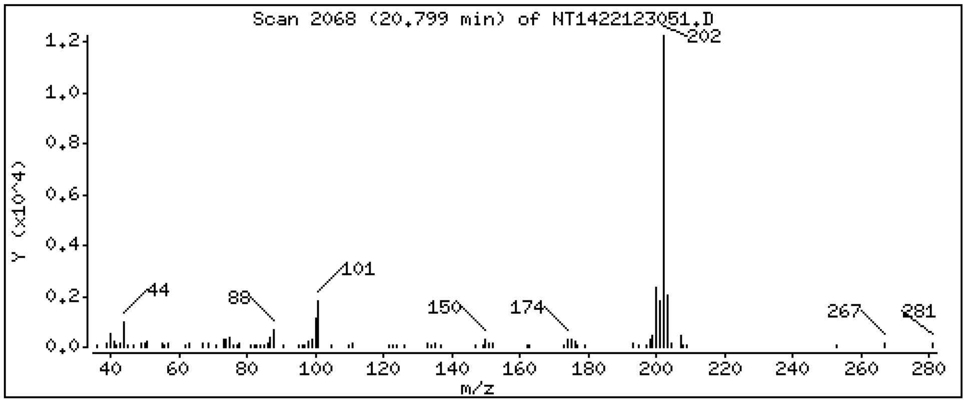
Client ID: Instrument: nt14.i

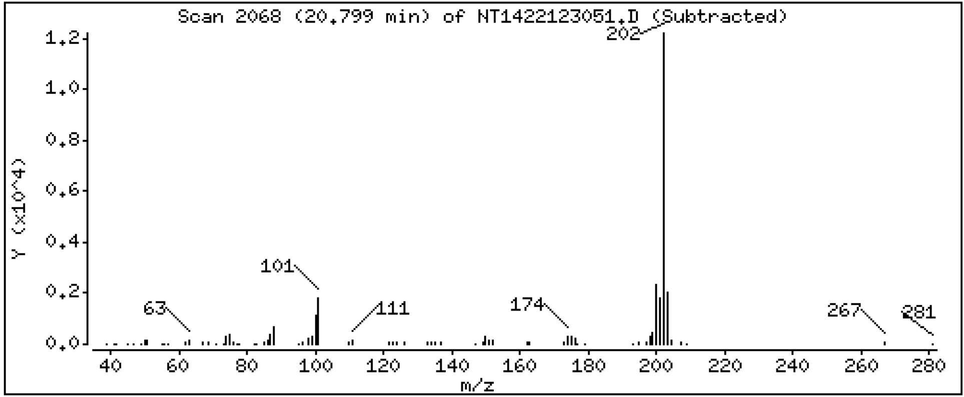
Sample Info: SKL0355-LCV1

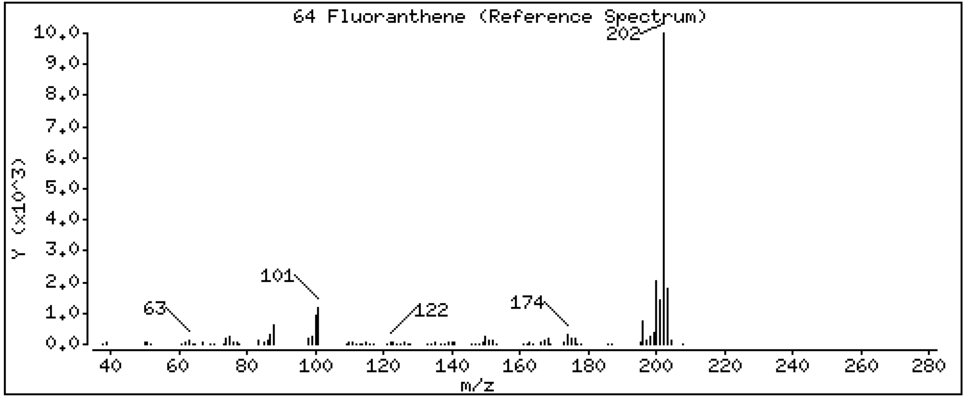
Operator: VTS

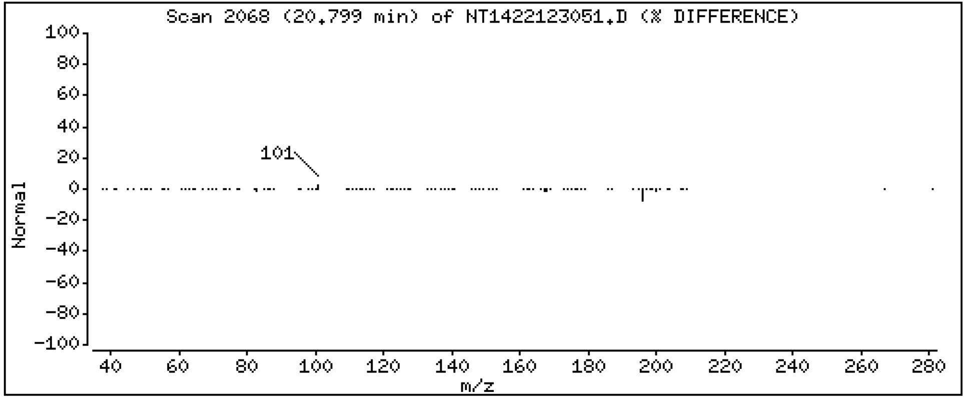
Column phase: ZB-5msi Column diameter: 0.25

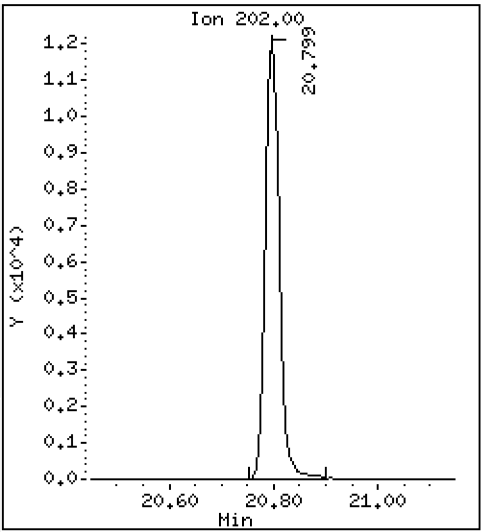
64 Fluoranthene Concentration: 0.2308 ug/mL

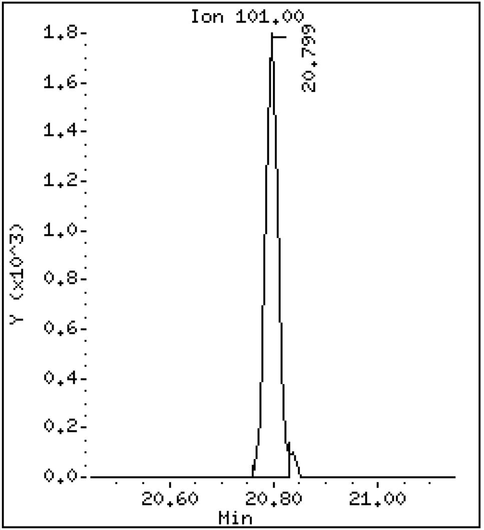


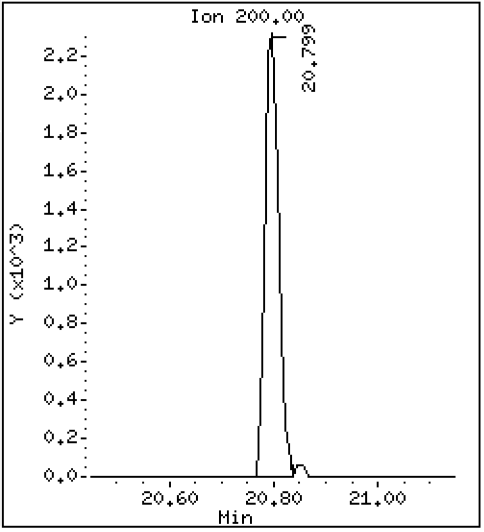












Data File: \\target\share\chem3\nt14.i\20221230B.b\NT1422123051.D

Date : 31-DEC-2022 14:29

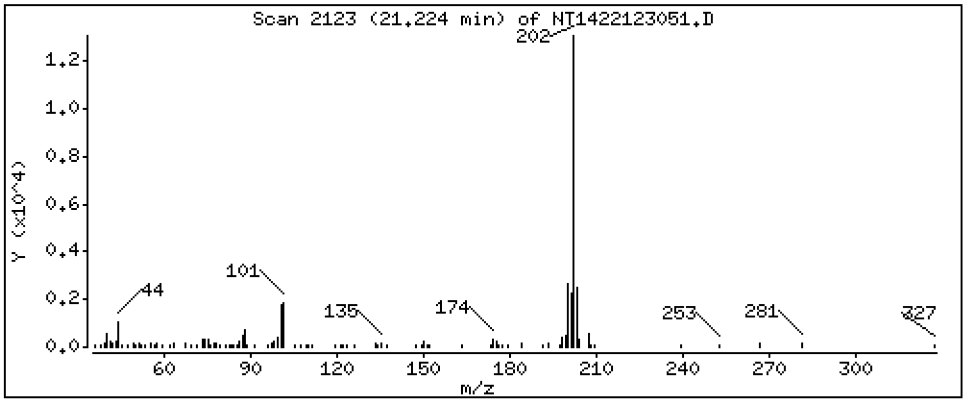
Client ID: Instrument: nt14.i

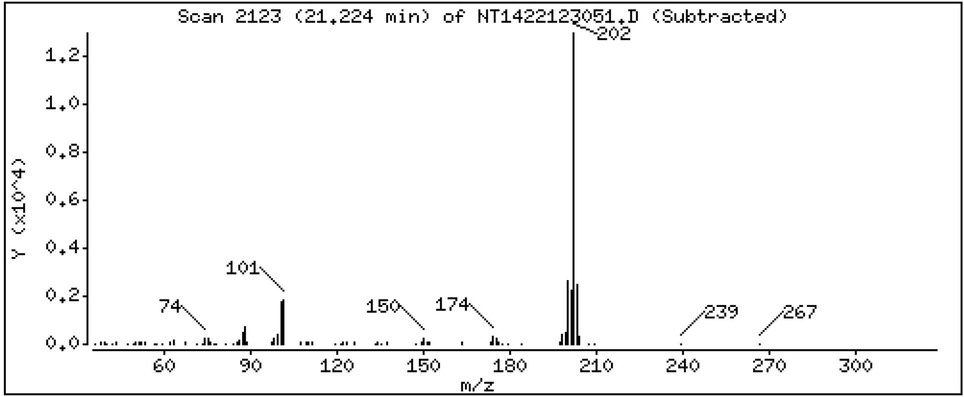
Sample Info: SKL0355-LCV1

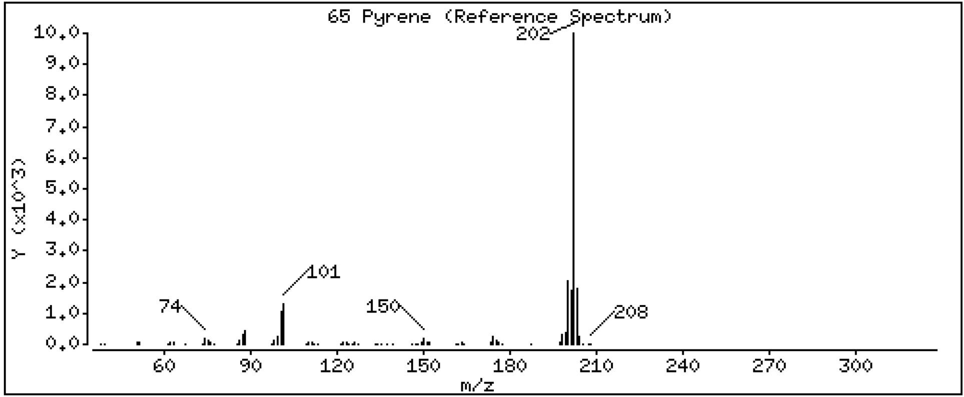
Operator: VTS

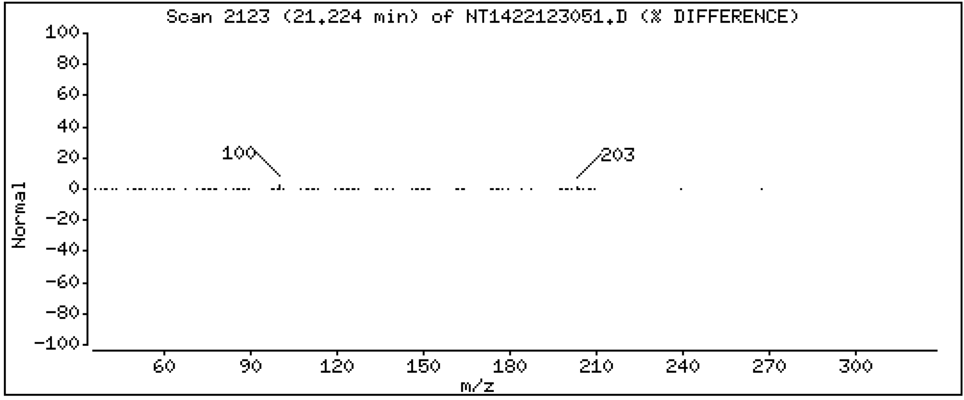
Column phase: ZB-5msi Column diameter: 0.25

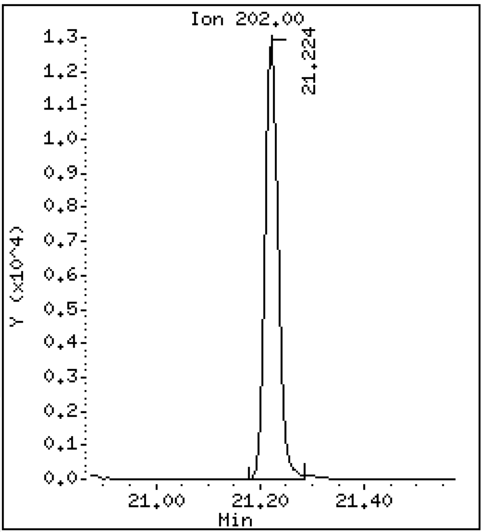
65 Pyrene Concentration: 0.2212 ug/mL

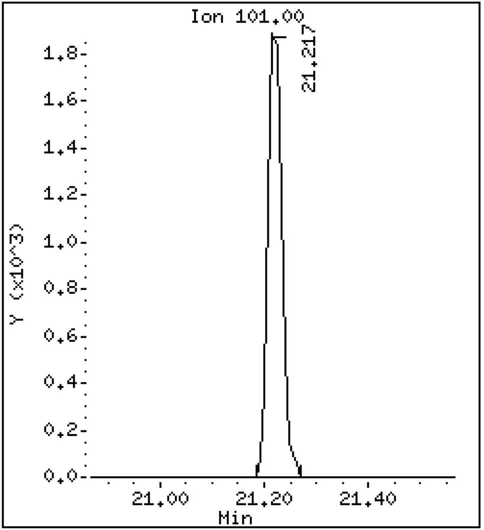

Scan 2123 (21.224 min) of NT1422123051.D


Scan 2123 (21.224 min) of NT1422123051.D (Subtracted)


65 Pyrene (Reference Spectrum)


Scan 2123 (21.224 min) of NT1422123051.D (% DIFFERENCE)


Ion 202.00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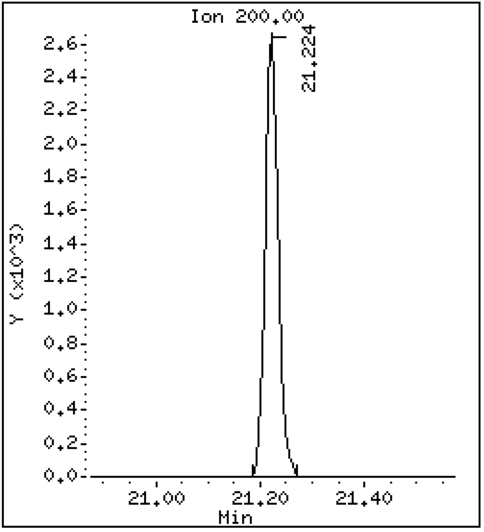
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Data File: \\target\share\chem3\nt14.i\20221230B.b\NT1422123051.D

Date : 31-DEC-2022 14:29

Client ID:

Instrument: nt14.i

Sample Info: SKL0355-LCV1

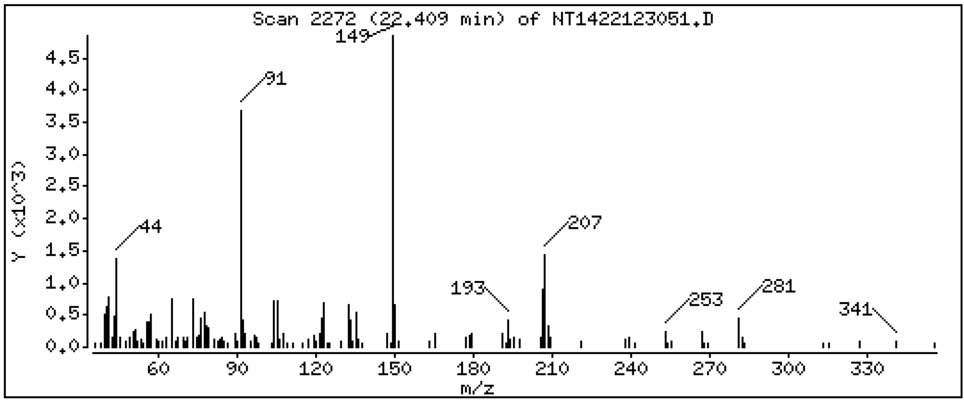
Operator: VTS

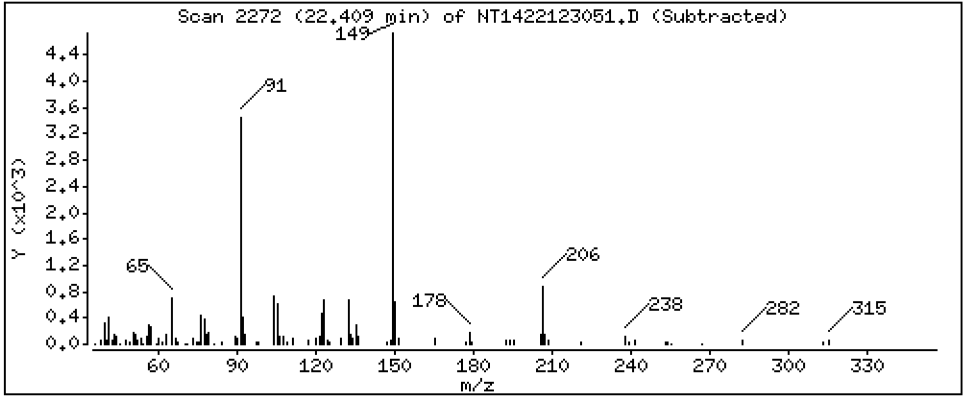
Column phase: ZB-5msi

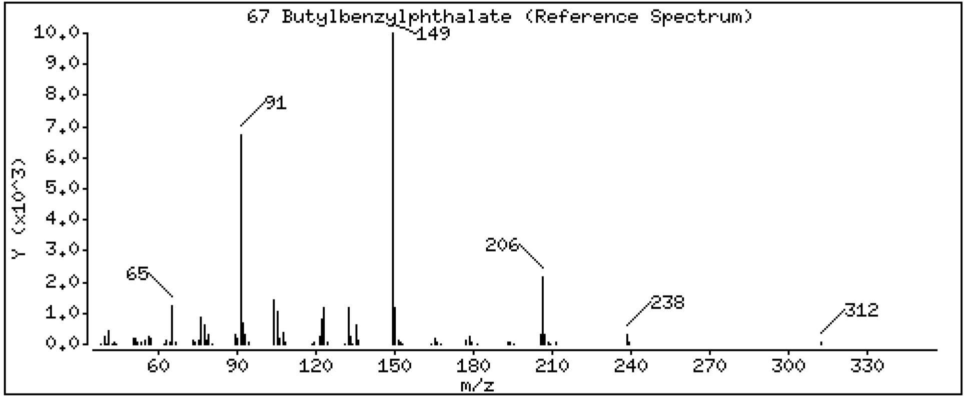
Column diameter: 0.25

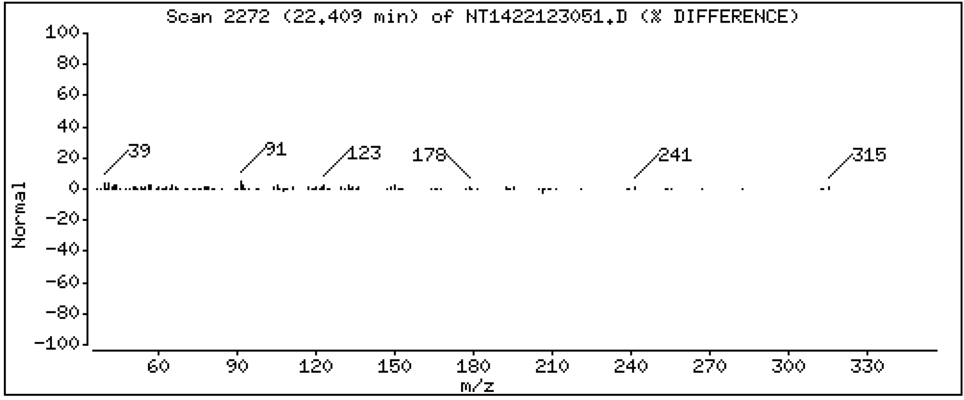
67 Butylbenzylphthalate

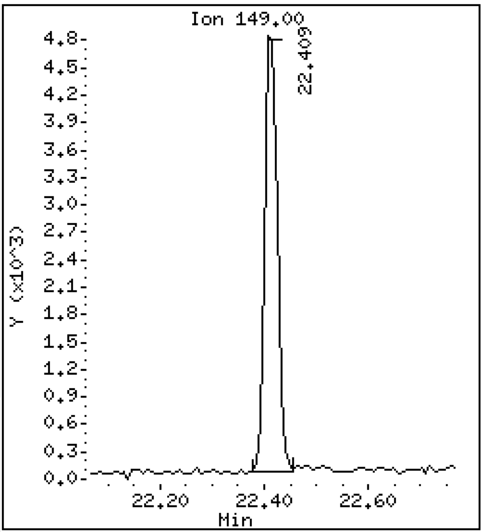
Concentration: 0.2080 ug/mL

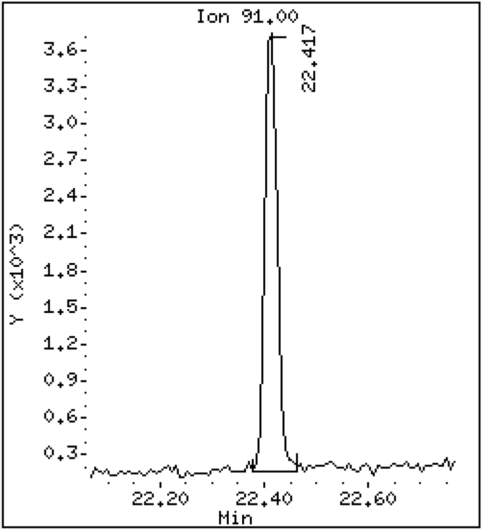


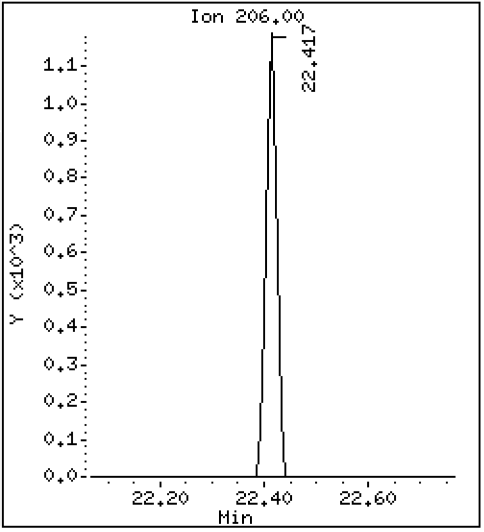












Date : 31-DEC-2022 14:29

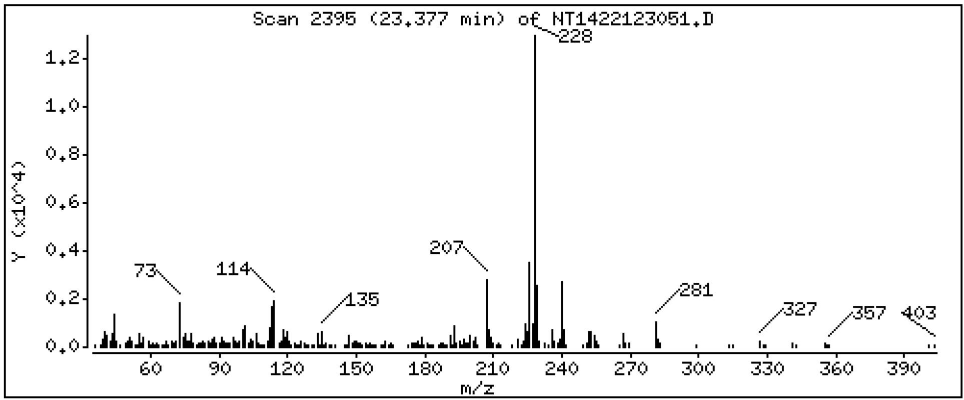
Client ID: Instrument: nt14.i

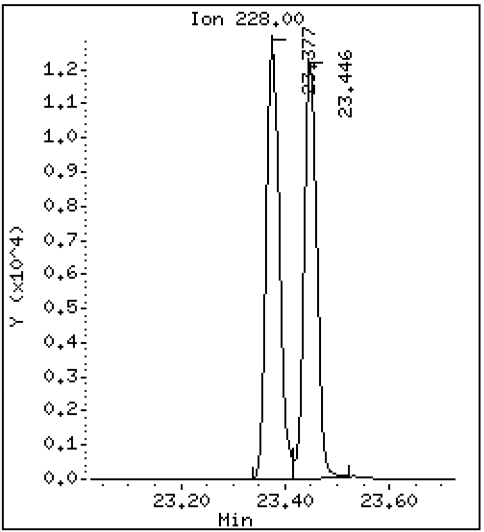
Sample Info: SKL0355-LCV1

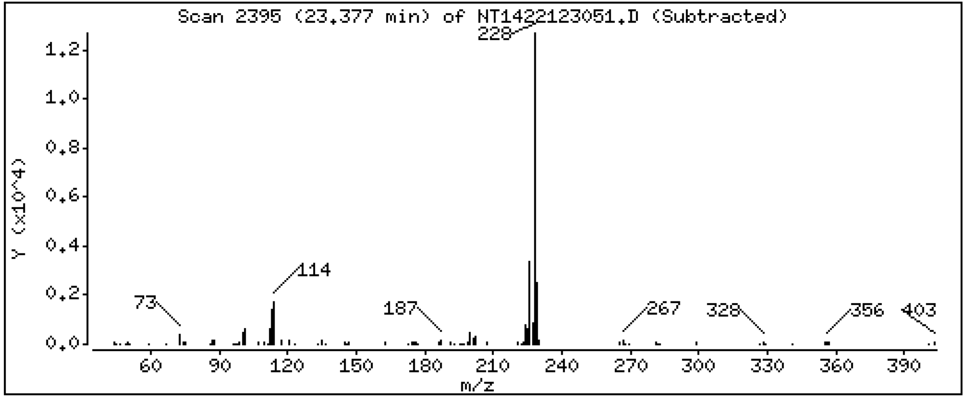
Operator: VTS

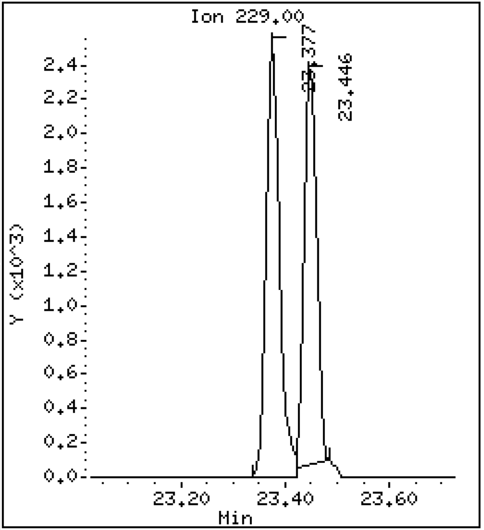
Column phase: ZB-5msi Column diameter: 0.25

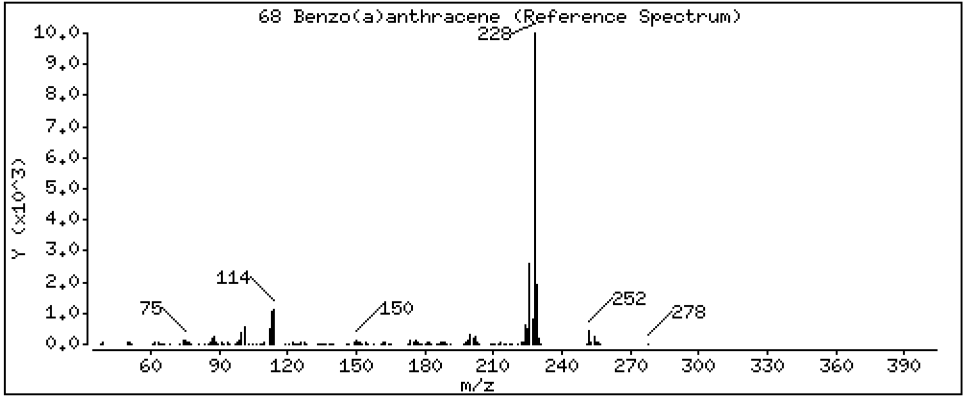
68 Benzo(a)anthracene Concentration: 0.2415 ug/mL

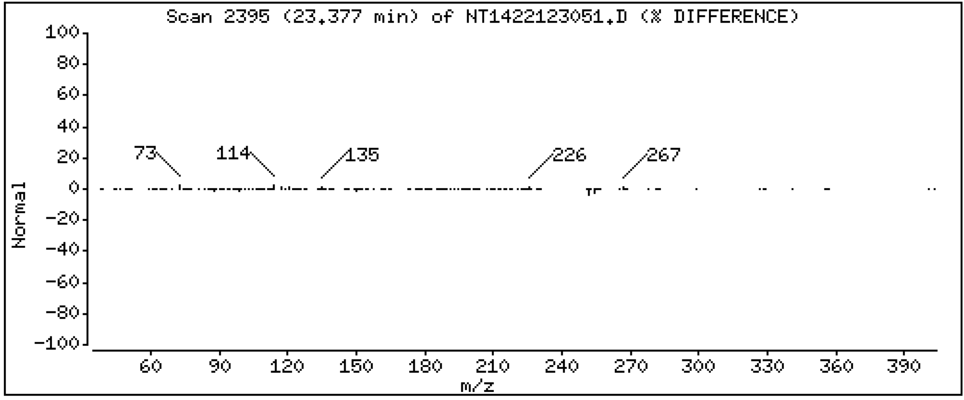


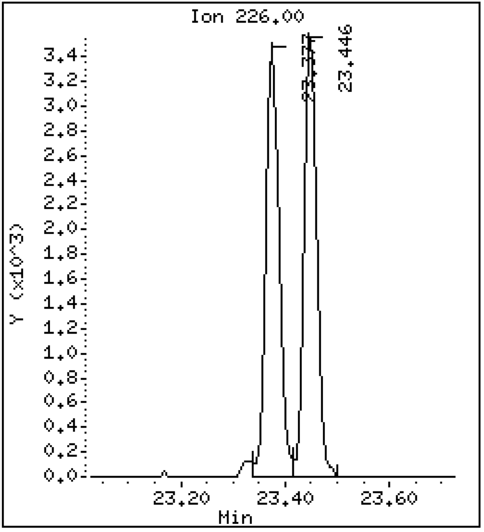












Data File: \\target\share\chem3\nt14.i\20221230B.b\NT1422123051.D Page 58

Date : 31-DEC-2022 14:29

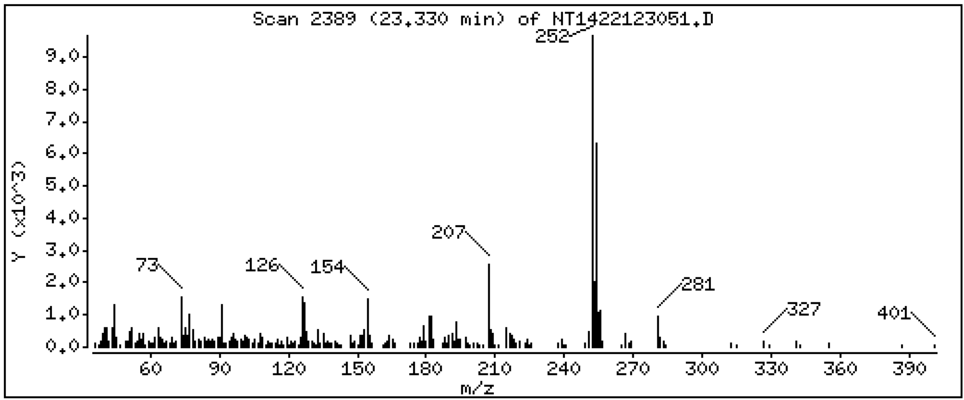
Client ID: Instrument: nt14.i

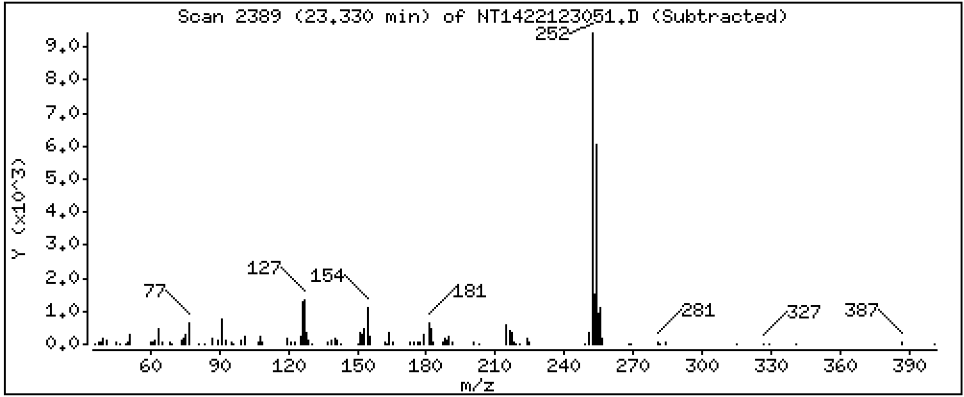
Sample Info: SKL0355-LCV1

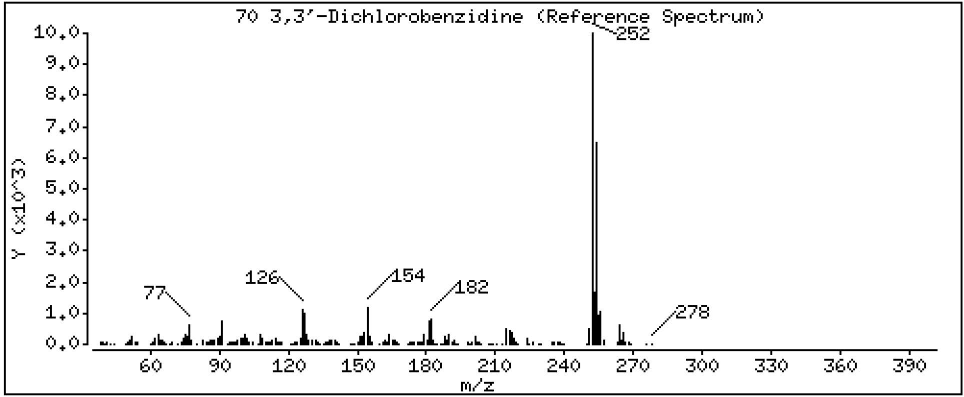
Operator: VTS

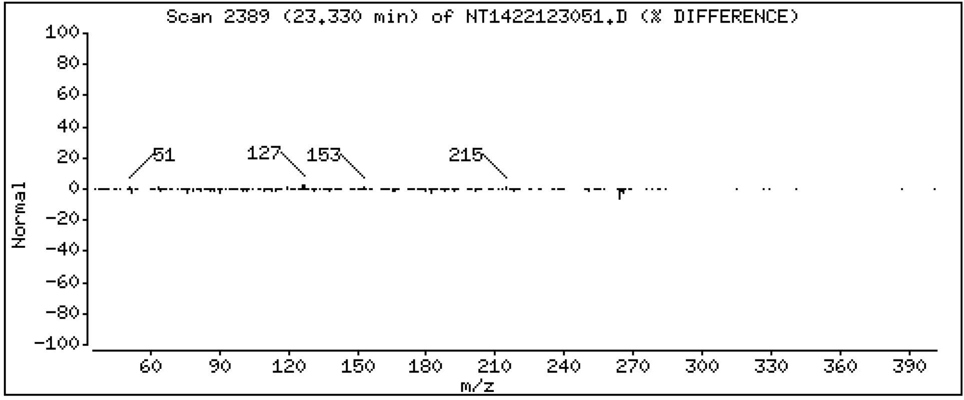
Column phase: ZB-5msi Column diameter: 0.25

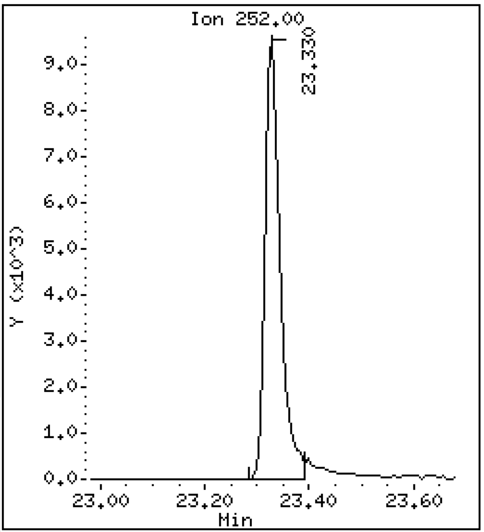
70 3,3'-Dichlorobenzidine Concentration: 0.6962 ug/mL

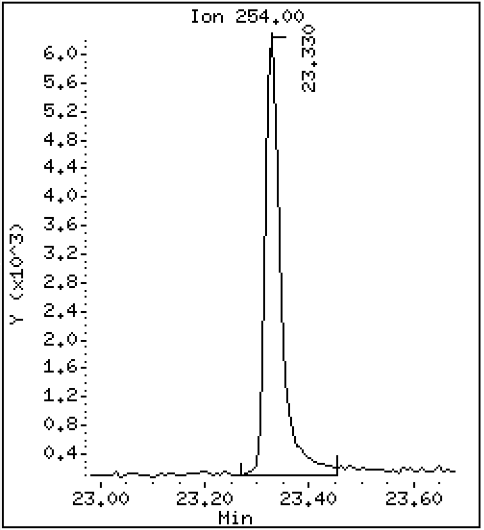

Scan 2389 (23.330 min) of NT1422123051.D

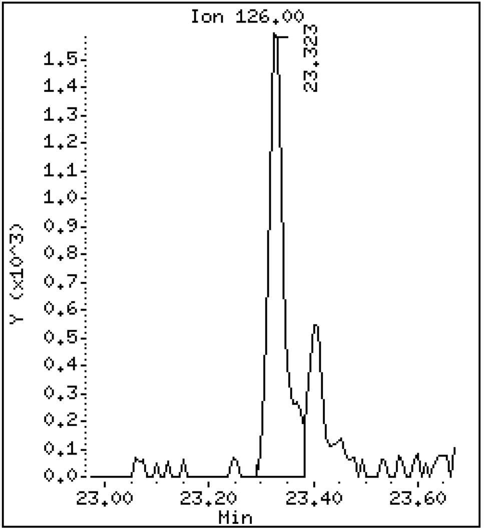

Scan 2389 (23.330 min) of NT1422123051.D (Subtracted)


70 3,3'-Dichlorobenzidine (Reference Spectrum)


Scan 2389 (23.330 min) of NT1422123051.D (% DIFFERENCE)


Ion 252.00


Ion 254.00


Ion 126.00

Data File: \\target\share\chem3\nt14.i\20221230B.b\NT1422123051.D

Date : 31-DEC-2022 14:29

Client ID:

Instrument: nt14.i

Sample Info: SKL0355-LCV1

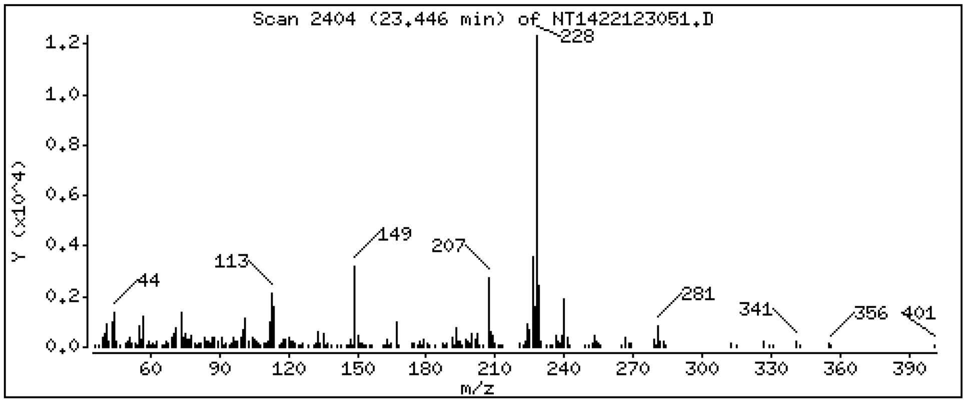
Operator: VTS

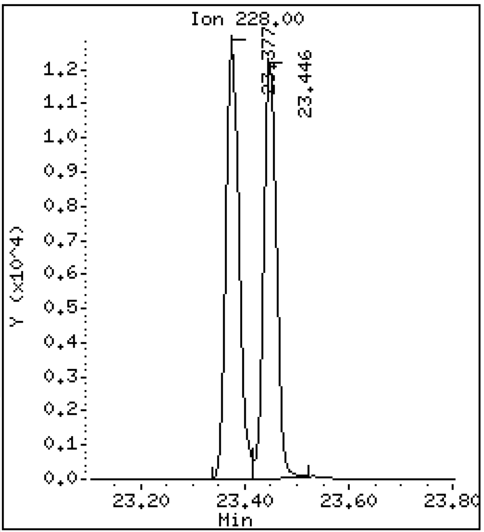
Column phase: ZB-5msi

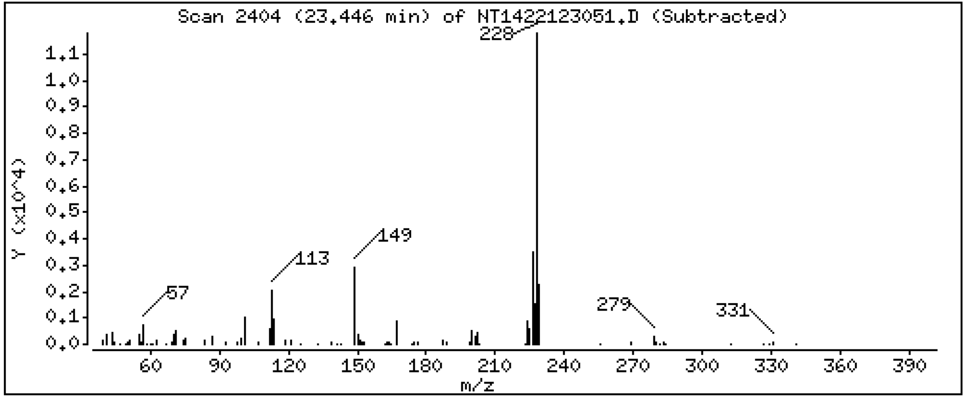
Column diameter: 0.25

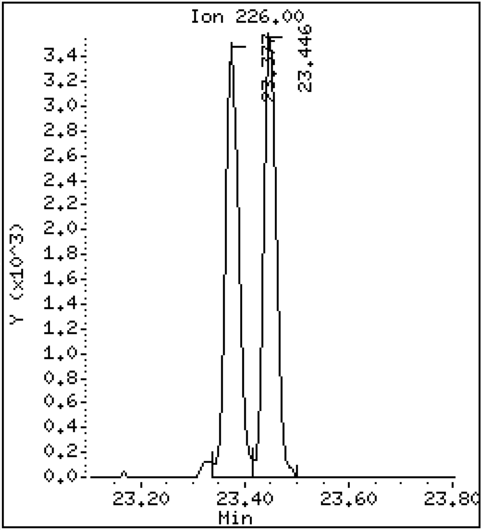
71 Chrysene

Concentration: 0.2414 ug/mL


Scan 2404 (23.446 min) of NT1422123051.D


Ion 228.00


Scan 2404 (23.446 min) of NT1422123051.D (Subtracted)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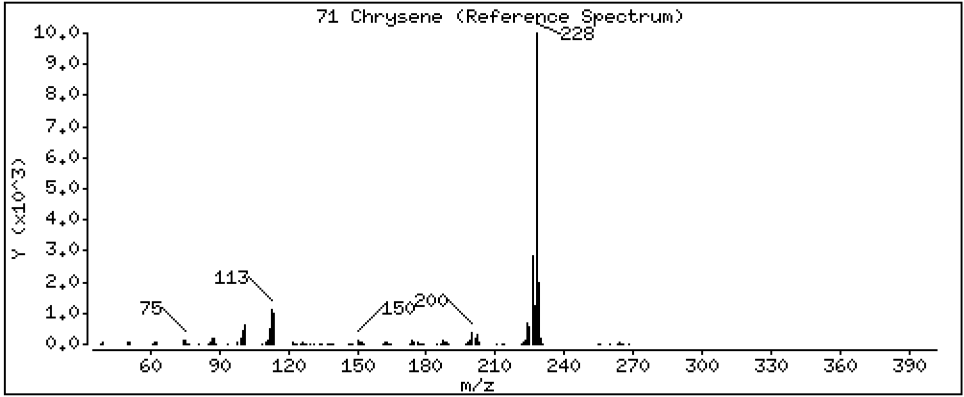
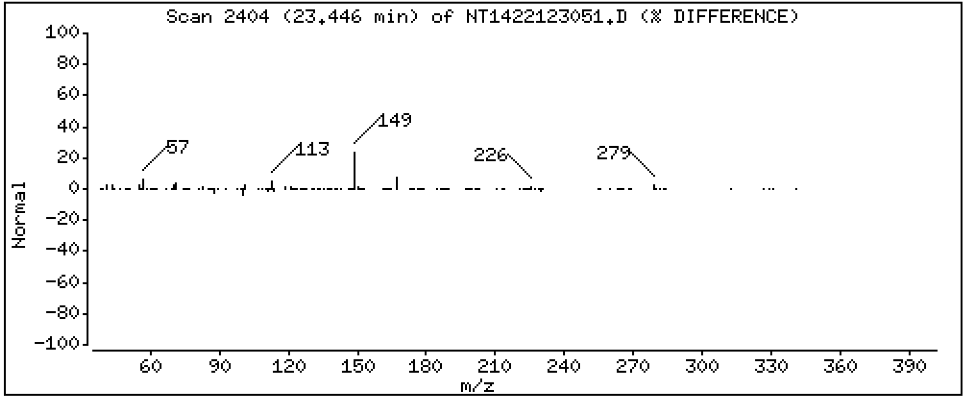
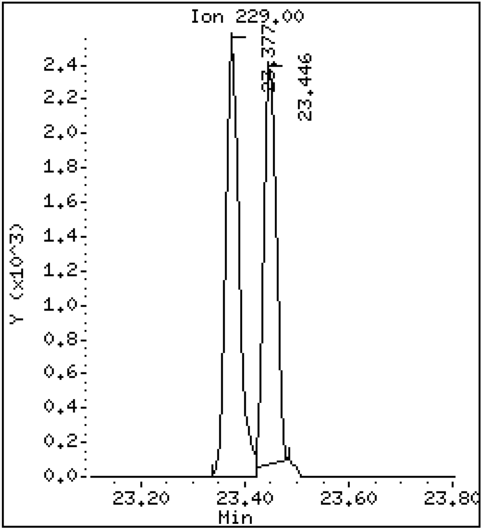

71 Chrysene (Reference Spectrum)


Scan 2404 (23.446 min) of NT1422123051.D (% DIFFERENCE)


Ion 229.00

Data File: \\target\share\chem3\nt14.i\20221230B.b\NT1422123051.D

Date : 31-DEC-2022 14:29

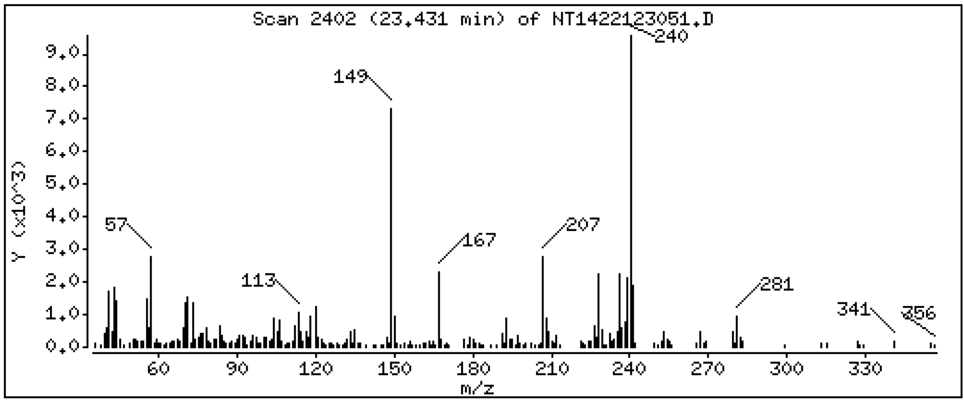
Client ID: Instrument: nt14.i

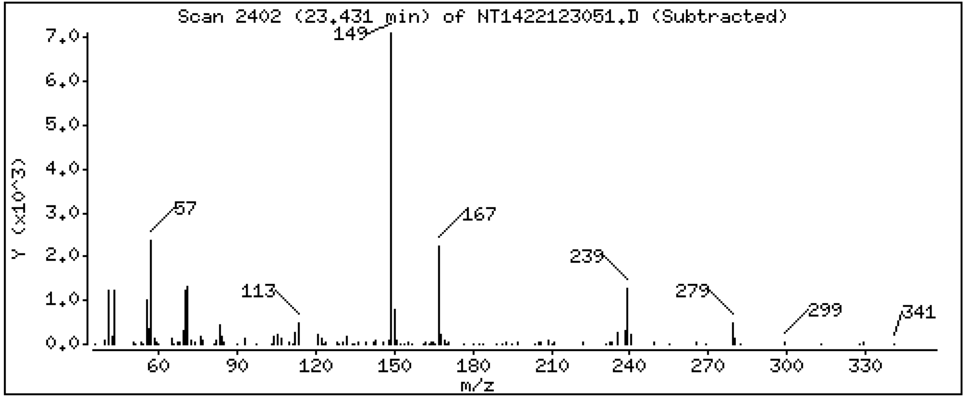
Sample Info: SKL0355-LCV1

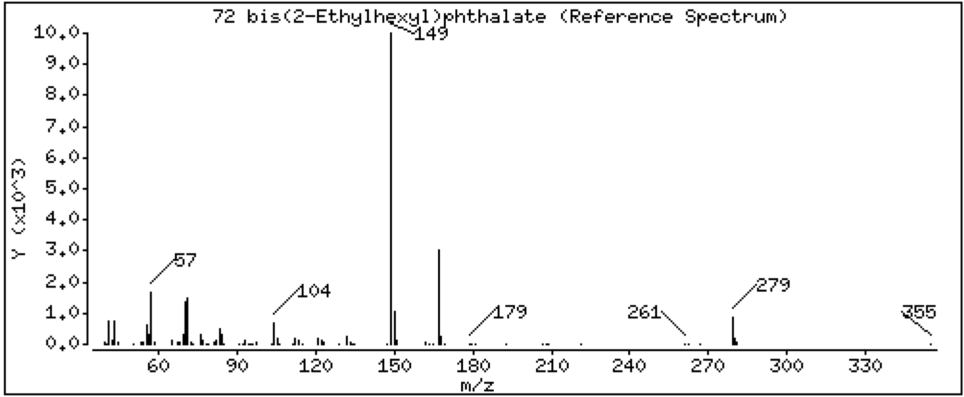
Operator: VTS

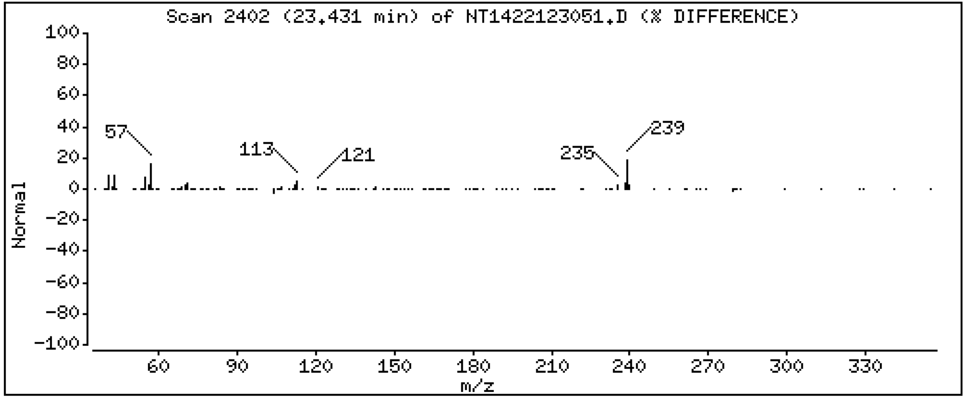
Column phase: ZB-5msi Column diameter: 0.25

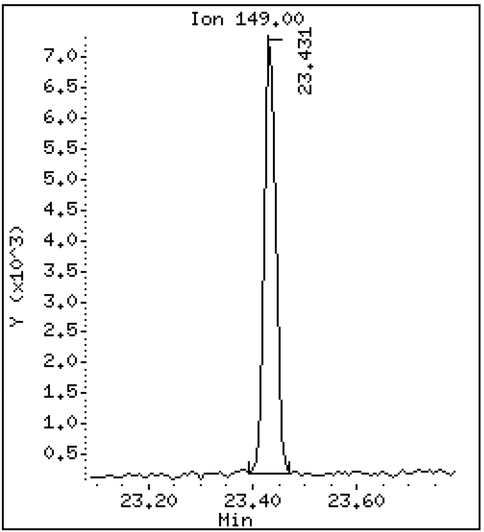
72 bis(2-Ethylhexyl)phthalate Concentration: 0.2185 ug/mL


Scan 2402 (23.431 min) of NT1422123051.D


Scan 2402 (23.431 min) of NT1422123051.D (Subtracted)


72 bis(2-Ethylhexyl)phthalate (Reference Spectrum)


Scan 2402 (23.431 min) of NT1422123051.D (% DIFFERENCE)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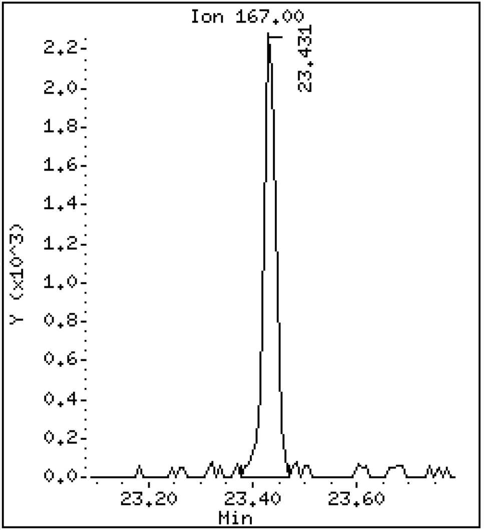
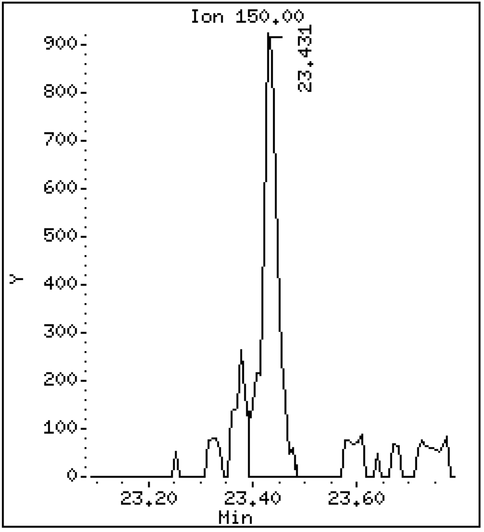

Ion 167.00


Ion 150.00

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Date : 31-DEC-2022 14:29

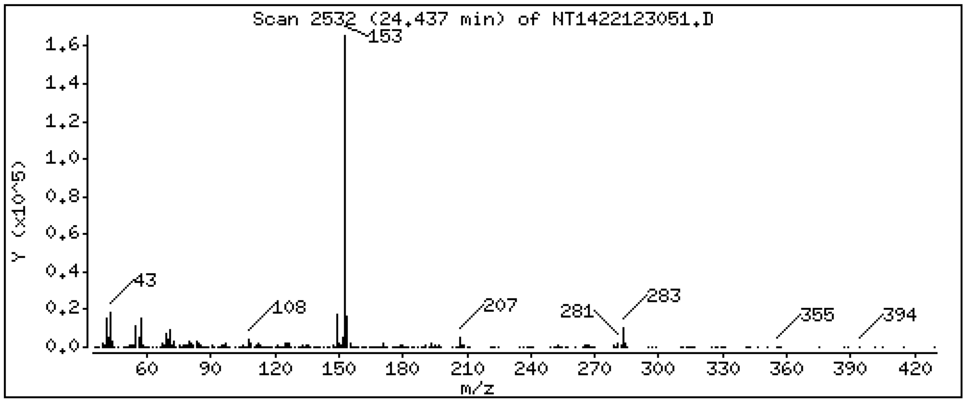
Client ID: Instrument: nt14.i

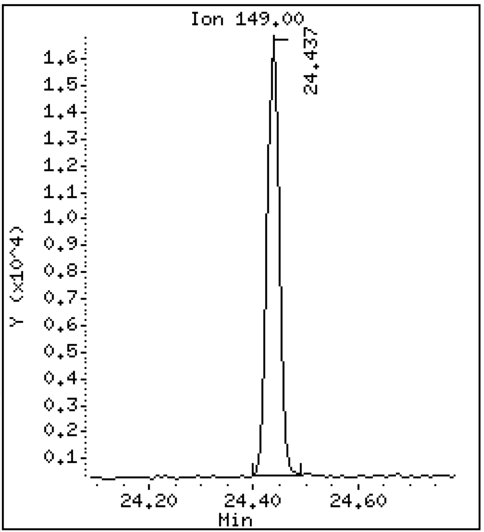
Sample Info: SKL0355-LCV1

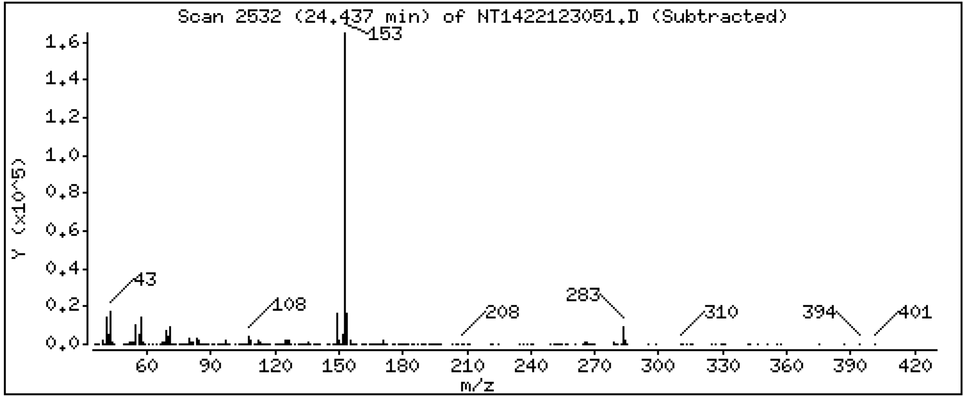
Operator: VTS

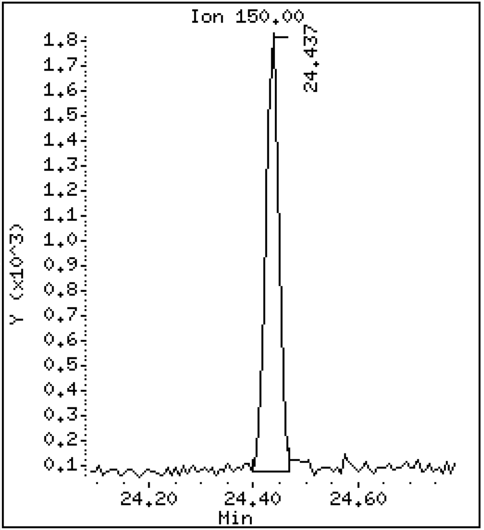
Column phase: ZB-5msi Column diameter: 0.25

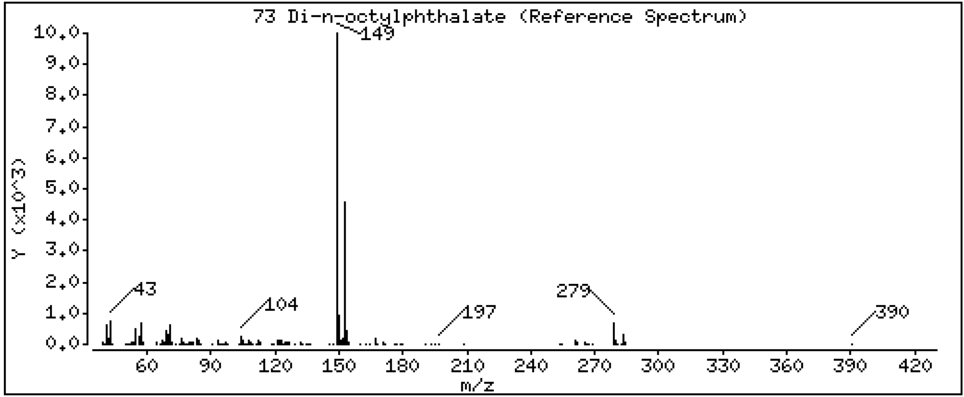
73 Di-n-octylphthalate Concentration: 0.2419 ug/mL

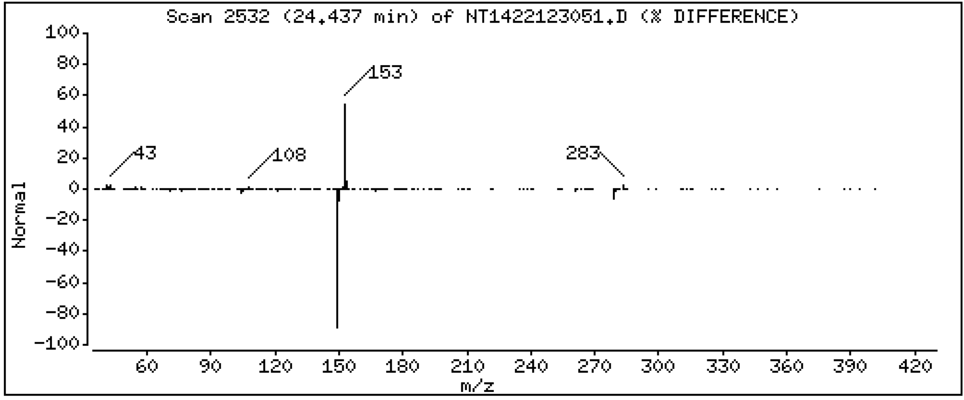


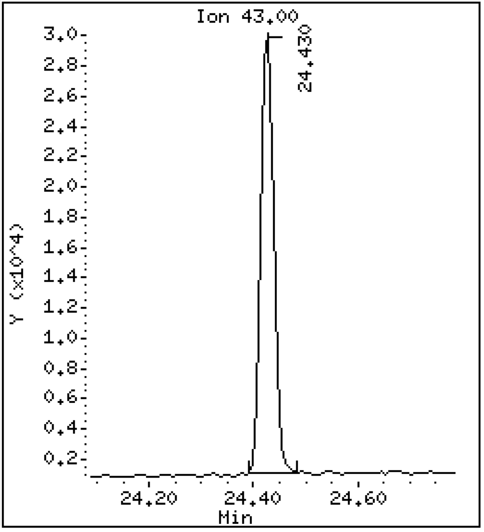












Data File: \\target\share\chem3\nt14.i\20221230B.b\NT1422123051.D

Date : 31-DEC-2022 14:29

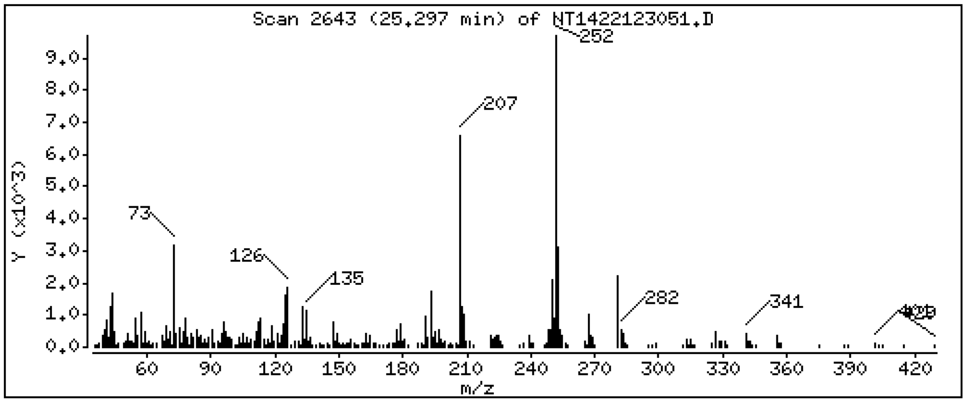
Client ID: Instrument: nt14.i

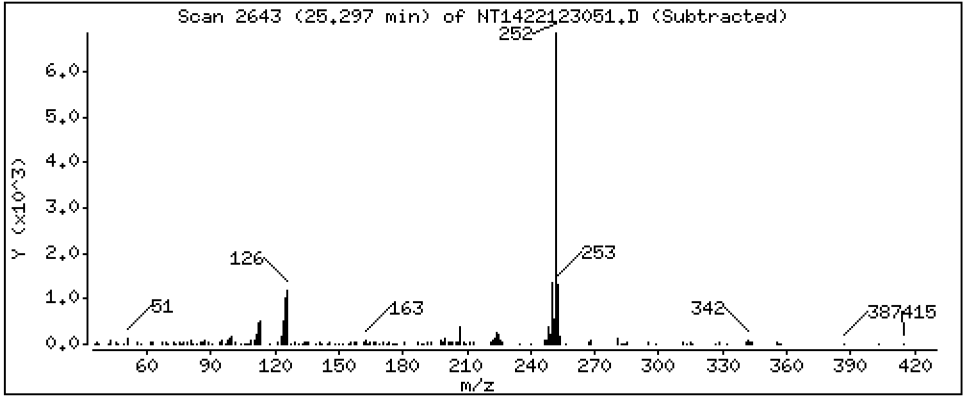
Sample Info: SKL0355-LCV1

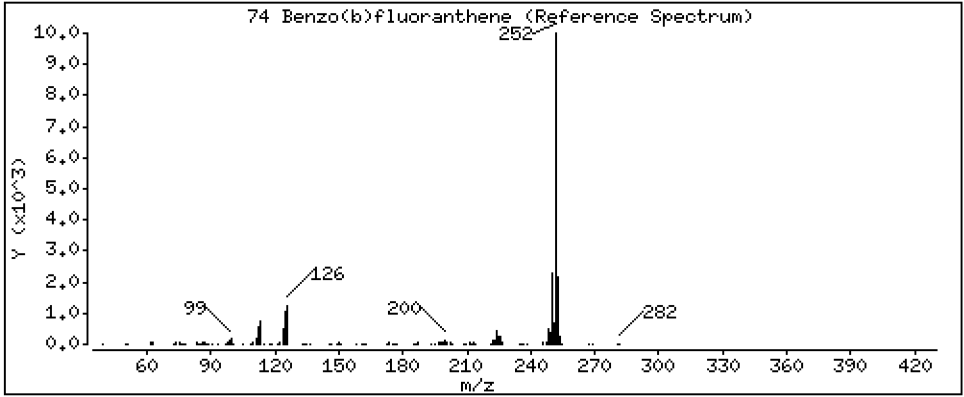
Operator: VTS

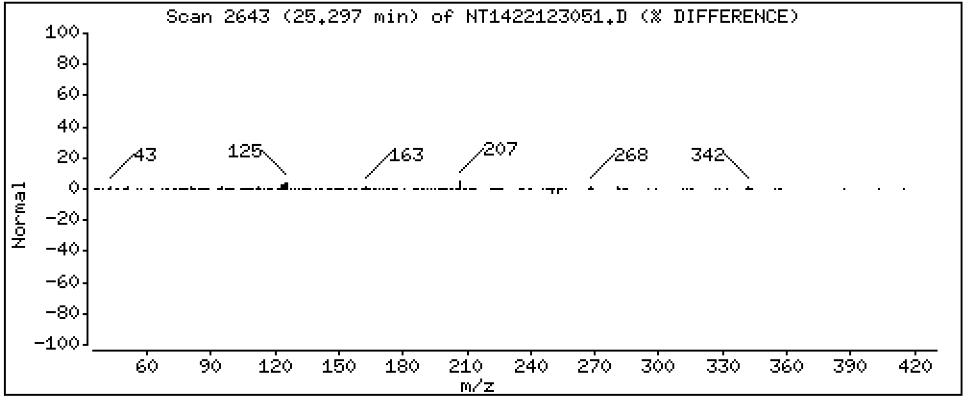
Column phase: ZB-5msi Column diameter: 0.25

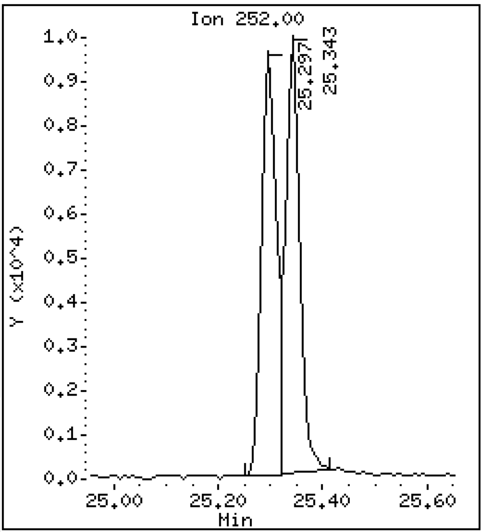
74 Benzo(b)fluoranthene Concentration: 0.2459 ug/mL

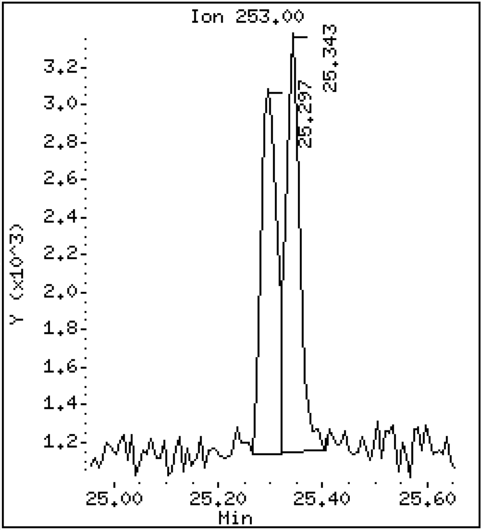


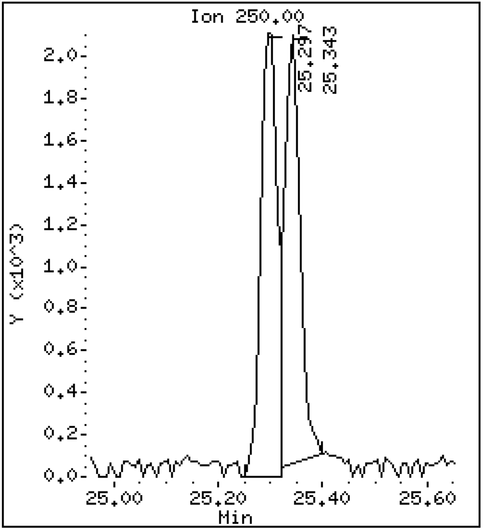












Data File: \\target\share\chem3\nt14.i\20221230B.b\NT1422123051.D

Date : 31-DEC-2022 14:29

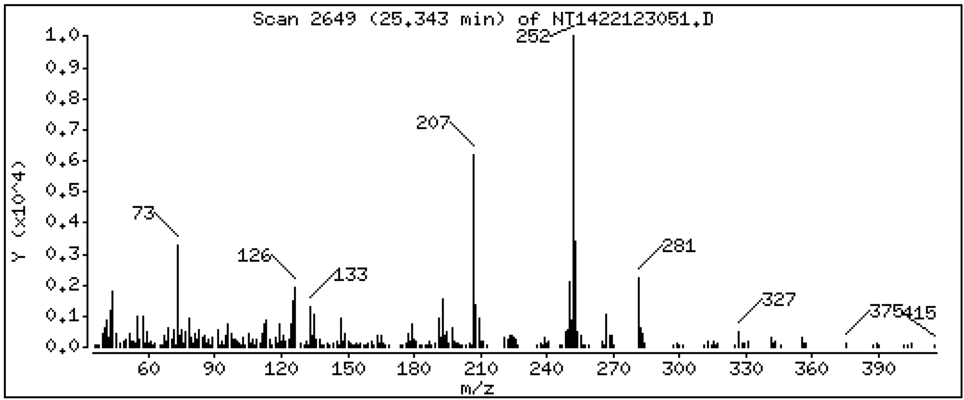
Client ID: Instrument: nt14.i

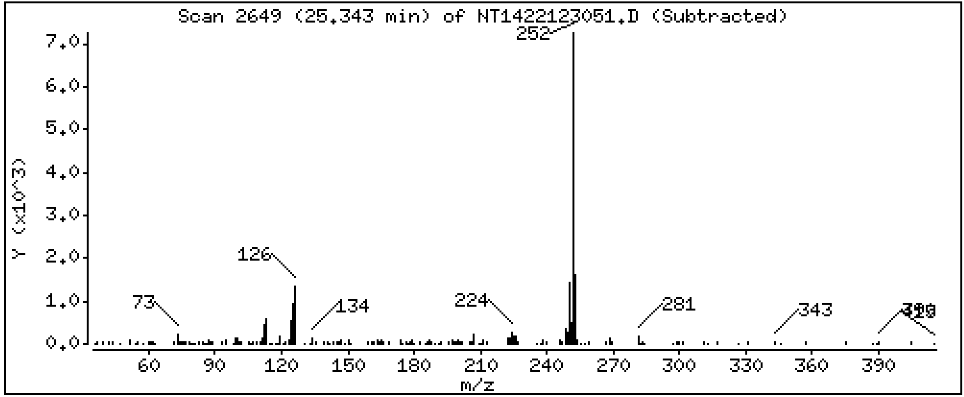
Sample Info: SKL0355-LCV1

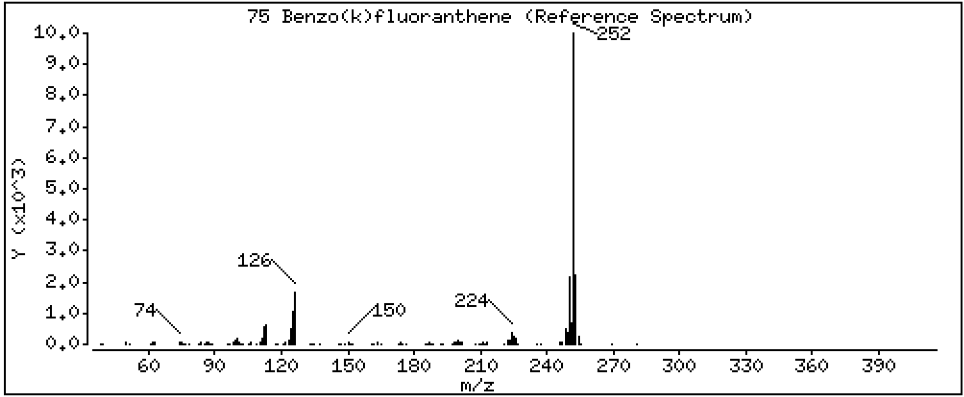
Operator: VTS

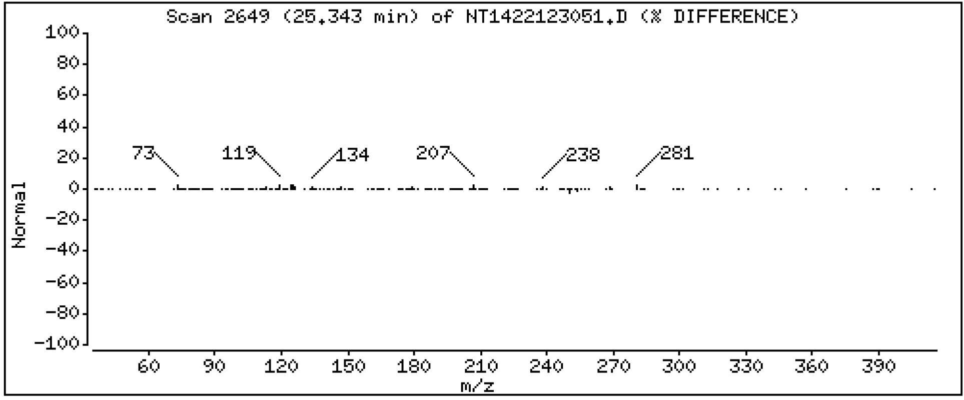
Column phase: ZB-5msi Column diameter: 0.25

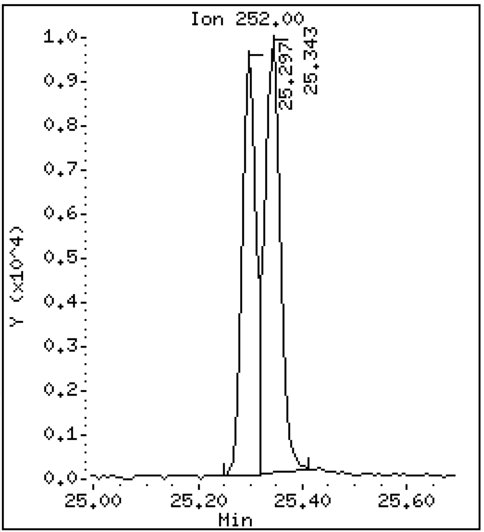
75 Benzo(k)fluoranthene Concentration: 0.2549 ug/mL

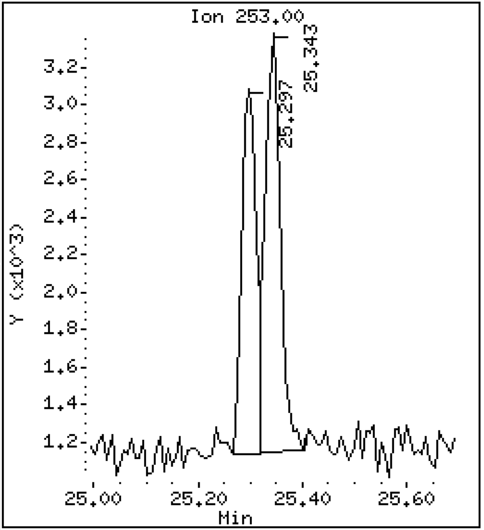

Scan 2649 (25.343 min) of NT1422123051.D

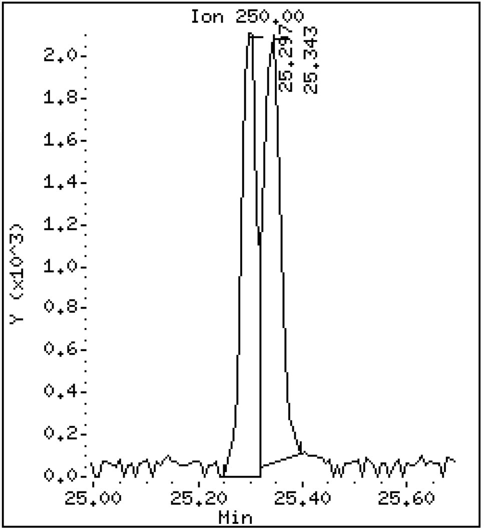

Scan 2649 (25.343 min) of NT1422123051.D (Subtracted)


75 Benzo(k)fluoranthene (Reference Spectrum)


Scan 2649 (25.343 min) of NT1422123051.D (% DIFFERENCE)


Ion 252.00


Ion 253.00


Ion 250.00

Data File: \\target\share\chem3\nt14.i\20221230B.b\NT1422123051.D Page 64

Date : 31-DEC-2022 14:29

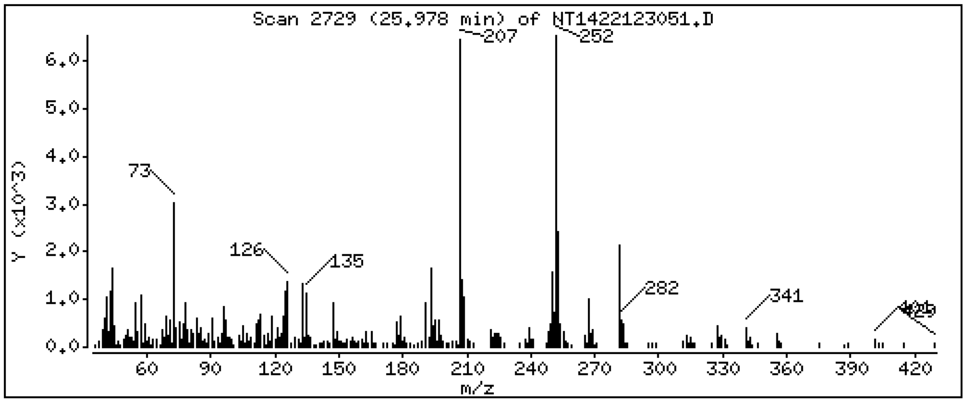
Client ID: Instrument: nt14.i

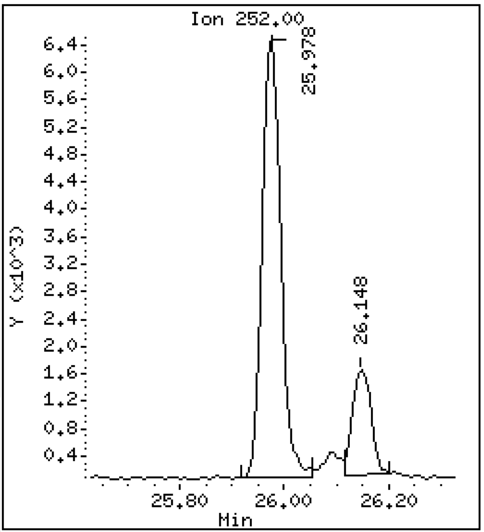
Sample Info: SKL0355-LCV1

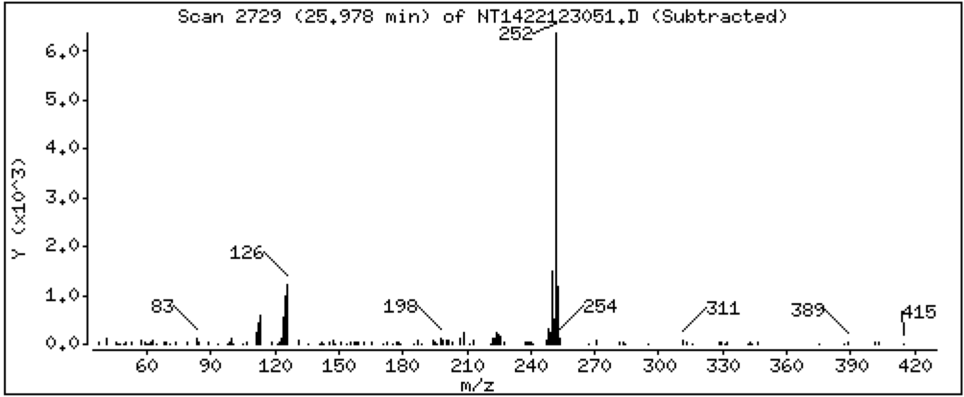
Operator: VTS

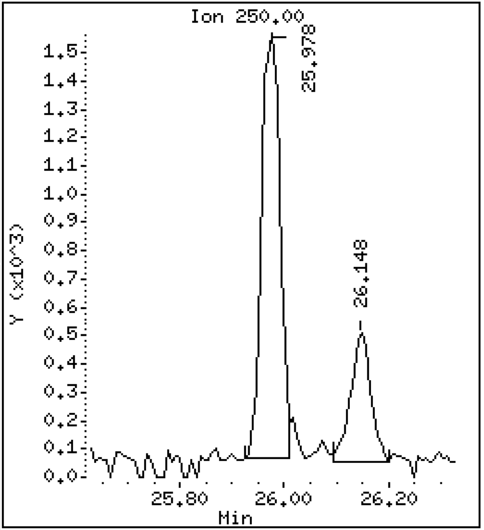
Column phase: ZB-5msi Column diameter: 0.25

76 Benzo(a)pyrene Concentration: 0.2416 ug/mL


Scan 2729 (25.978 min) of NT1422123051.D


Ion 252.00


Scan 2729 (25.978 min) of NT1422123051.D (Subtracted)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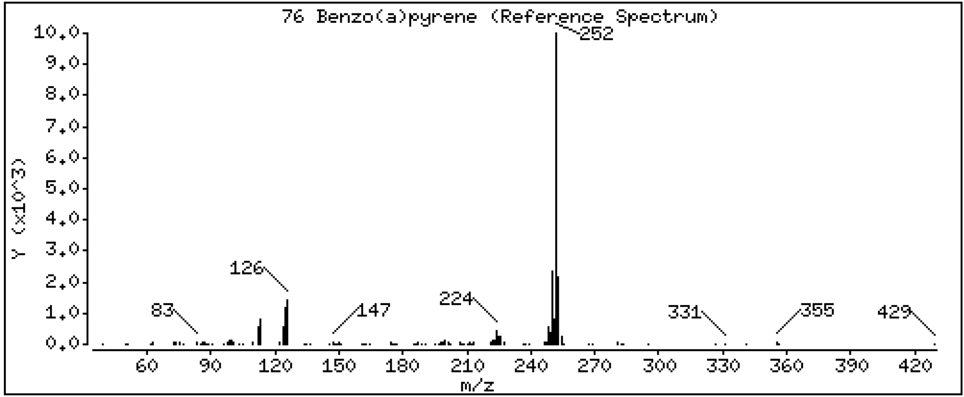
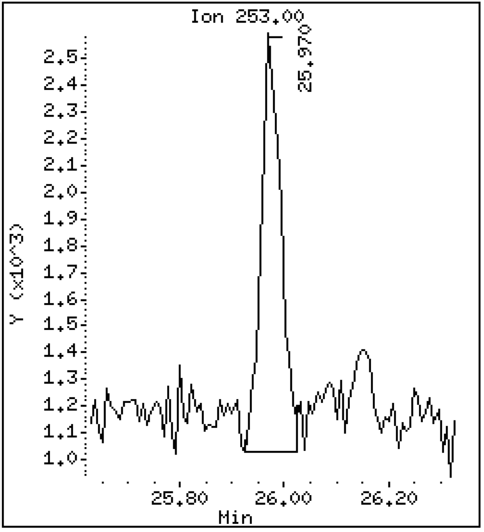
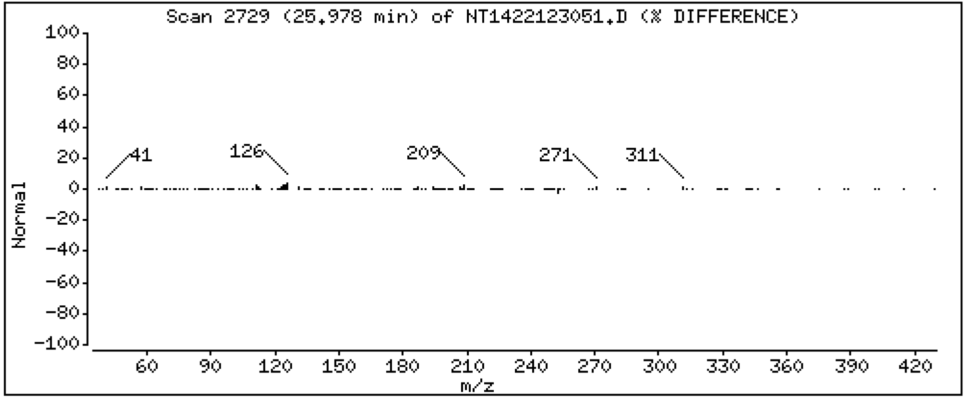

76 Benzo(a)pyrene (Reference Spectrum)


Ion 253.00


Scan 2729 (25.978 min) of NT1422123051.D (% DIFFERENCE)

Data File: \\target\share\chem3\nt14.i\20221230B.b\NT1422123051.D

Date : 31-DEC-2022 14:29

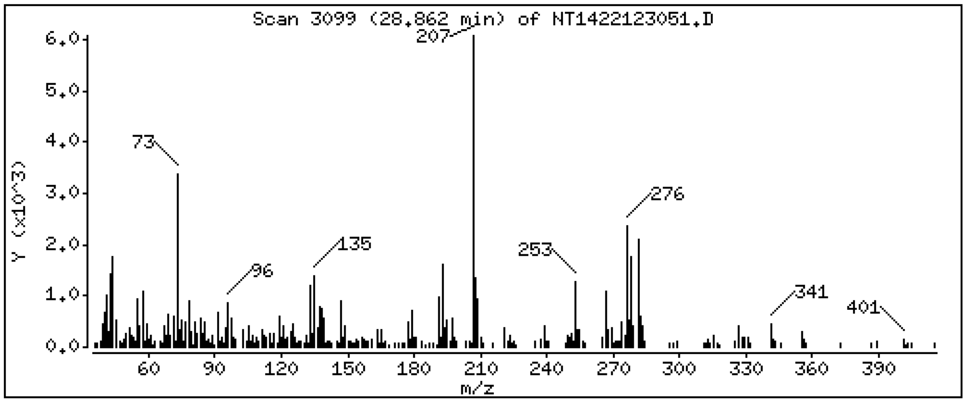
Client ID: Instrument: nt14.i

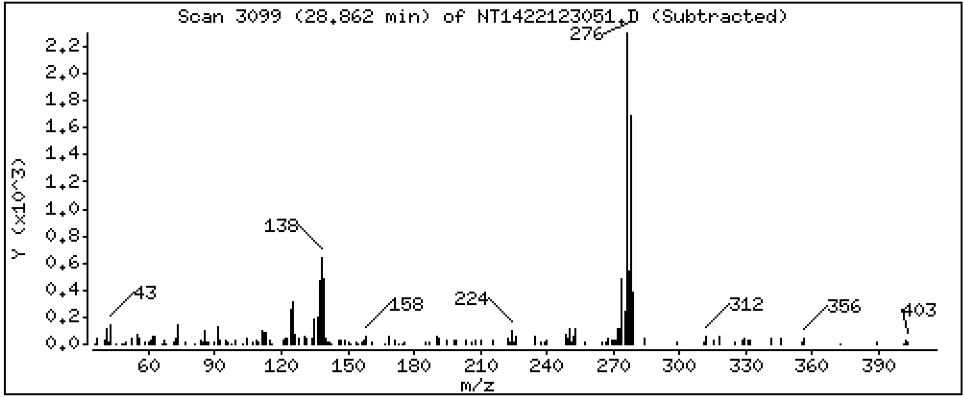
Sample Info: SKL0355-LCV1

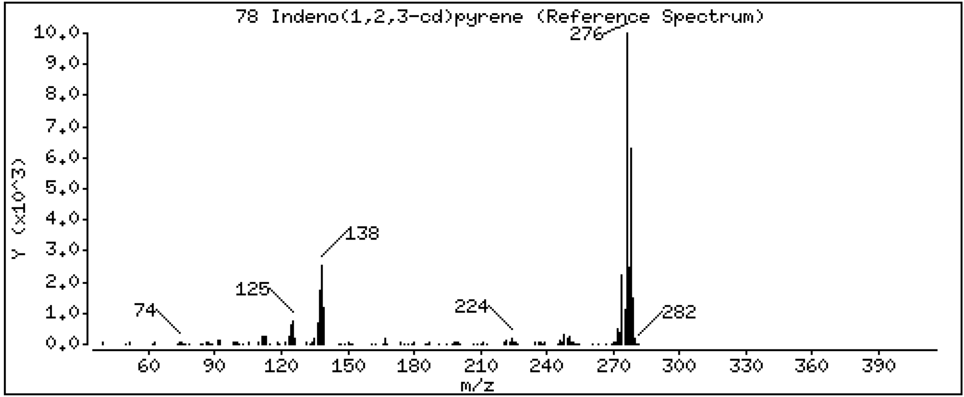
Operator: VTS

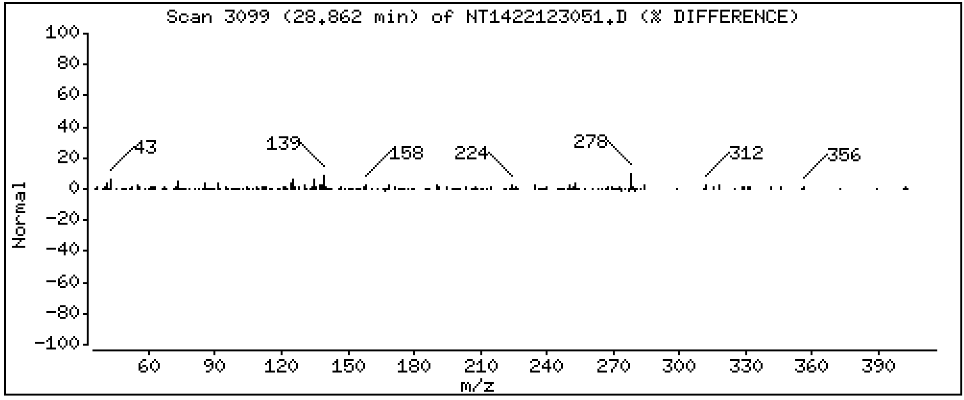
Column phase: ZB-5msi Column diameter: 0.25

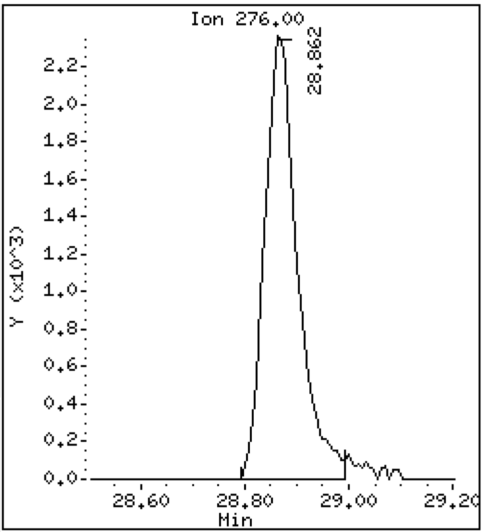
78 Indeno(1,2,3-cd)pyrene Concentration: 0.1427 ug/mL

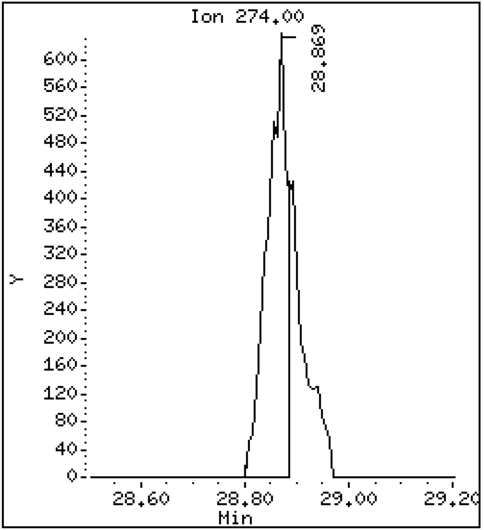

Scan 3099 (28.862 min) of NT1422123051.D

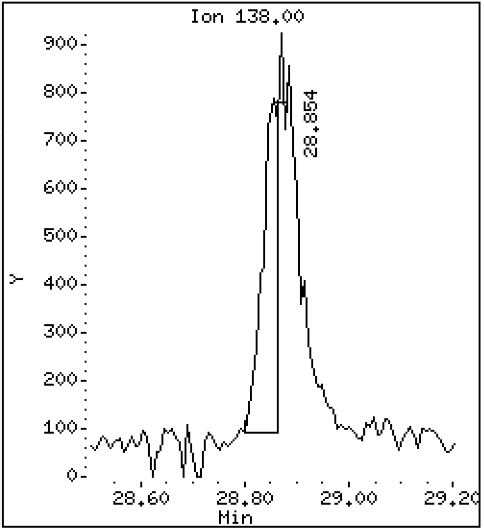

Scan 3099 (28.862 min) of NT1422123051.D (Subtracted)


78 Indeno(1,2,3-cd)pyrene (Reference Spectrum)


Scan 3099 (28.862 min) of NT1422123051.D (% DIFFERENCE)


Ion 276.00


Ion 274.00

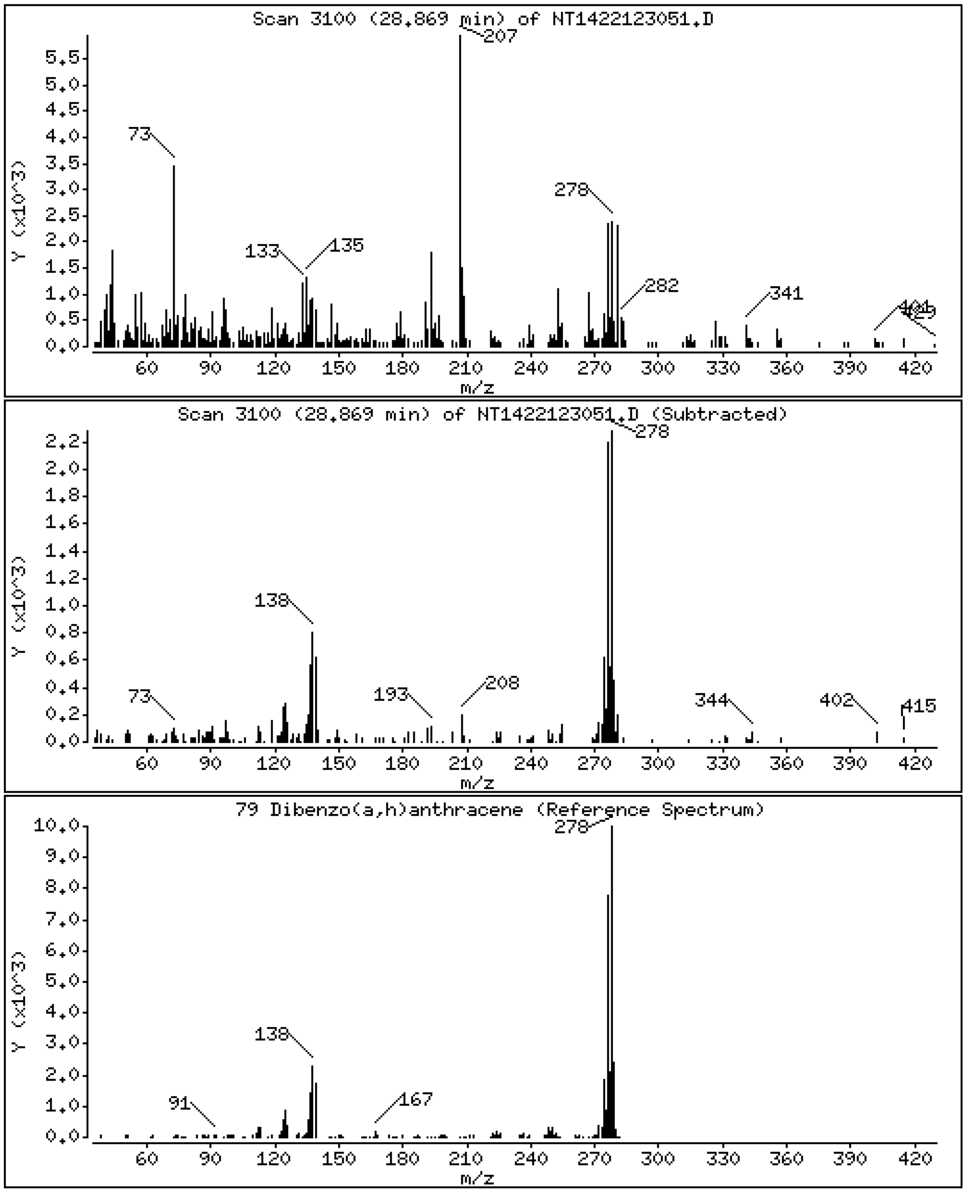

Ion 138.00

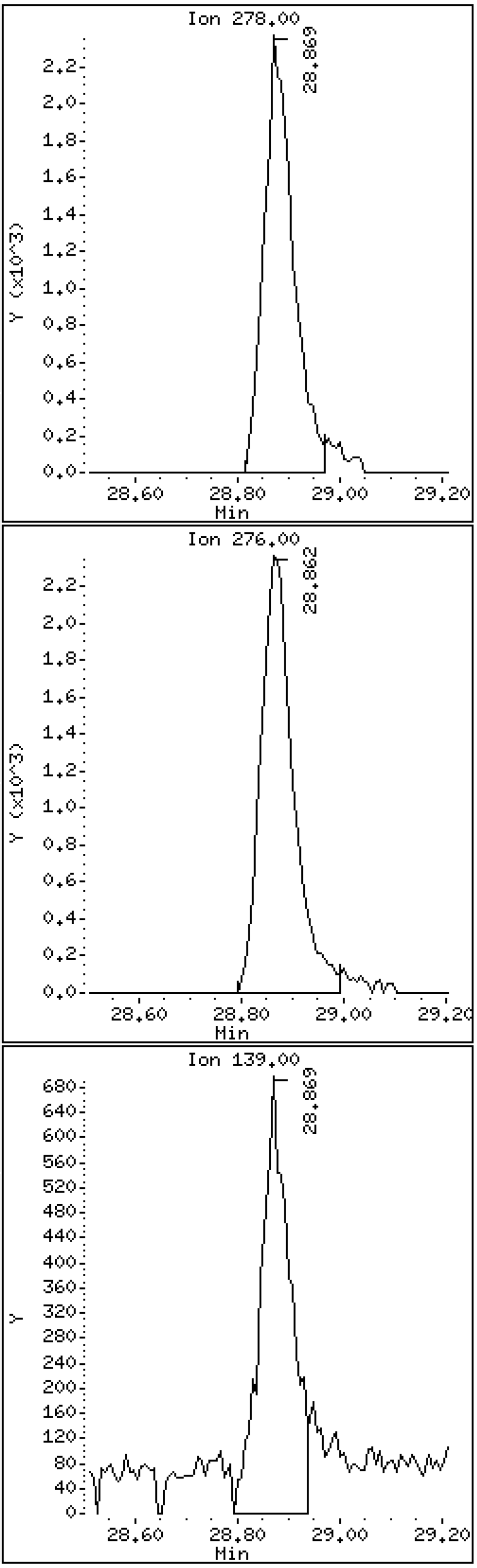
Data File: \\target\share\chem3\nt14.i\20221230B.b\NT1422123051.D
Date : 31-DEC-2022 14:29
Client ID:
Sample Info: SKL0355-LCV1
Column phase: ZB-5msi

Instrument: nt14.i
Operator: VTS
Column diameter: 0.25

79 Dibenzo(a,h)anthracene

Concentration: 0.1497 ug/mL





Data File: \\target\share\chem3\nt14.i\20221230B.b\NT1422123051.D

Date : 31-DEC-2022 14:29

Client ID:

Instrument: nt14.i

Sample Info: SKL0355-LCV1

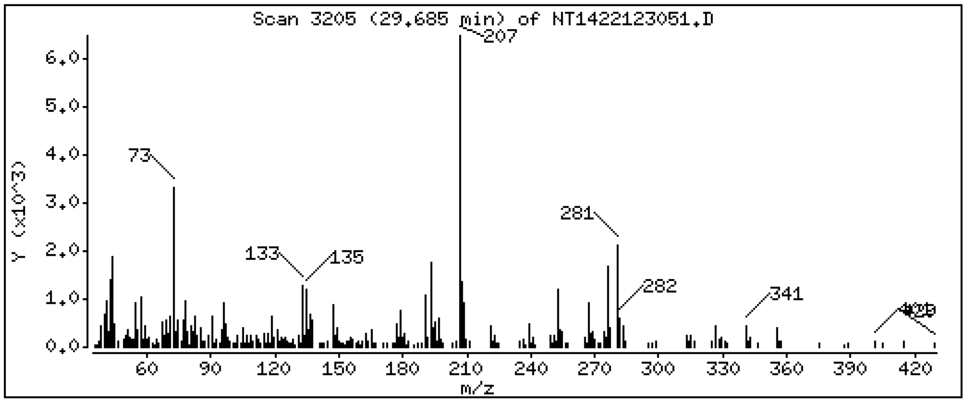
Operator: VTS

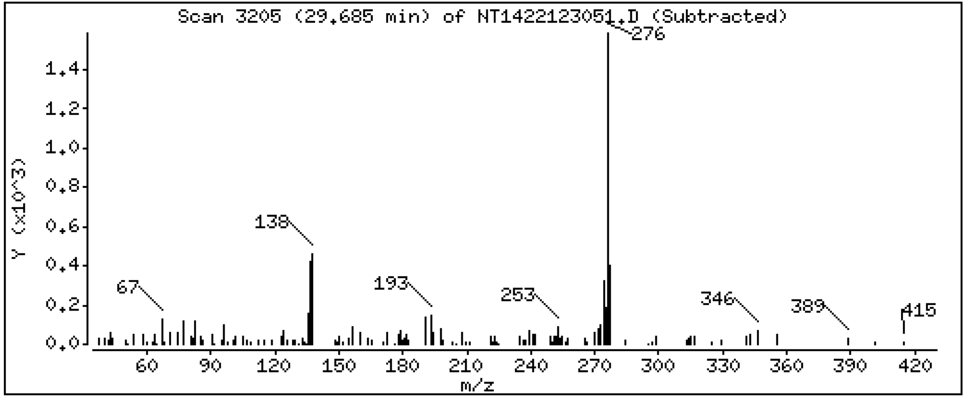
Column phase: ZB-5msi

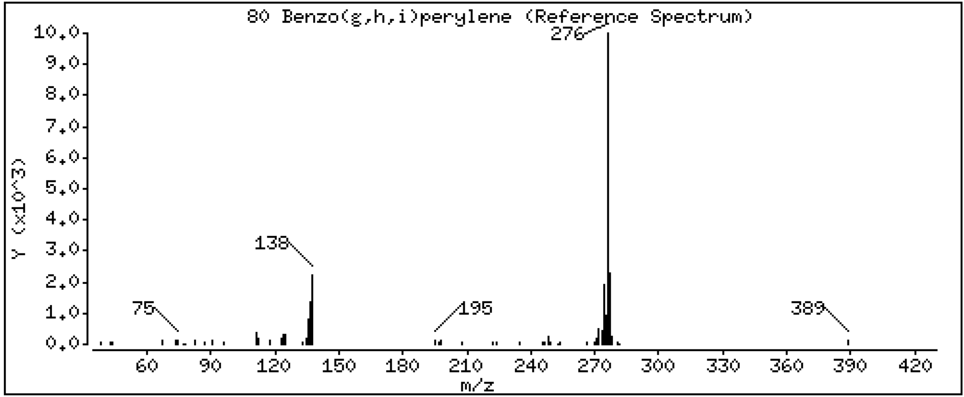
Column diameter: 0.25

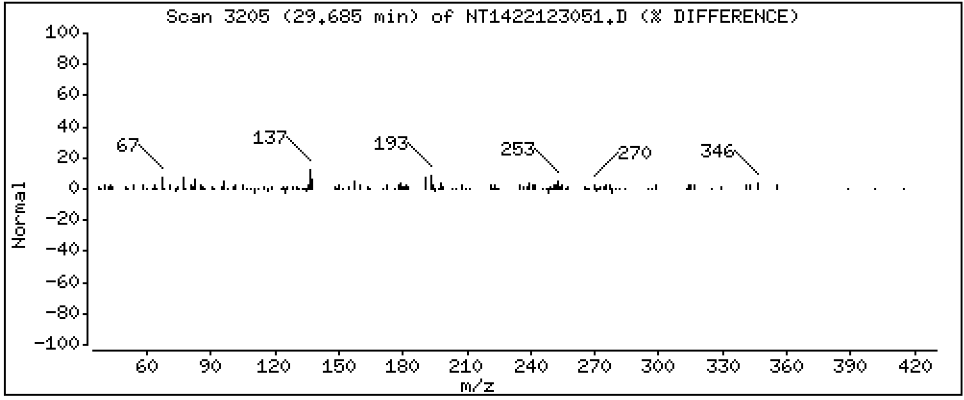
80 Benzo(g,h,i)perylene

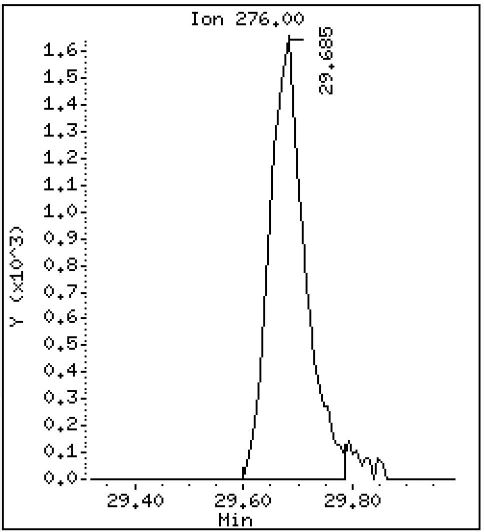
Concentration: 0.1229 ug/mL


Scan 3205 (29.685 min) of NT1422123051.D


Scan 3205 (29.685 min) of NT1422123051.D (Subtracted)


80 Benzo(g,h,i)perylene (Reference Spectrum)


Scan 3205 (29.685 min) of NT1422123051.D (% DIFFERENCE)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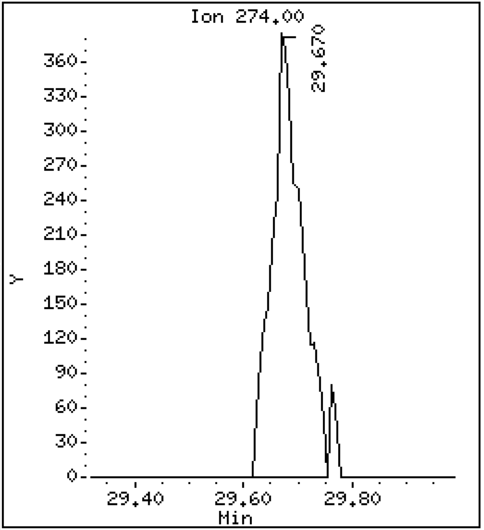
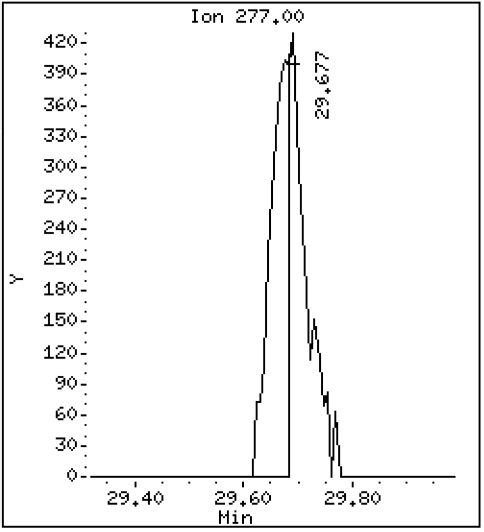

Ion 274.00


Ion 277.00

Data File: \\target\share\chem3\nt14.i\20221230B.b\NT1422123051.D

Date : 31-DEC-2022 14:29

Client ID:

Instrument: nt14.i

Sample Info: SKL0355-LCV1

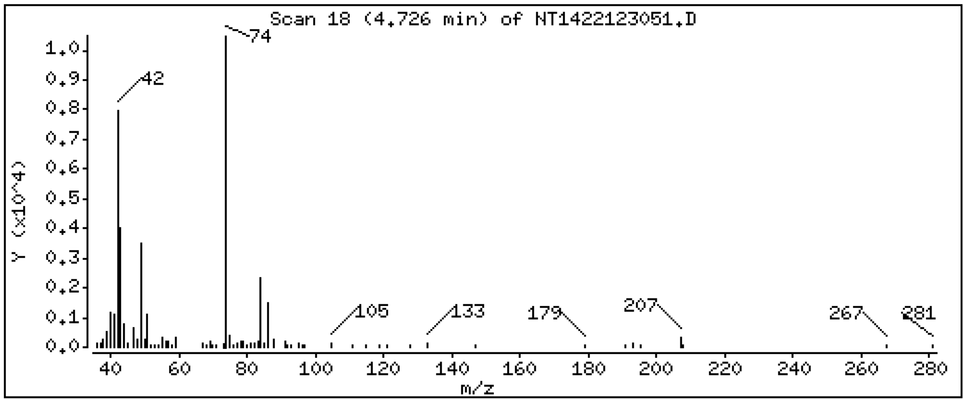
Operator: VTS

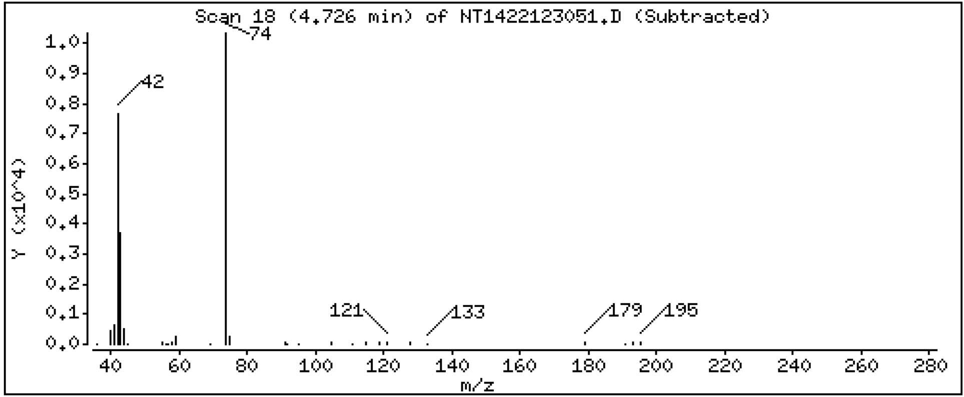
Column phase: ZB-5msi

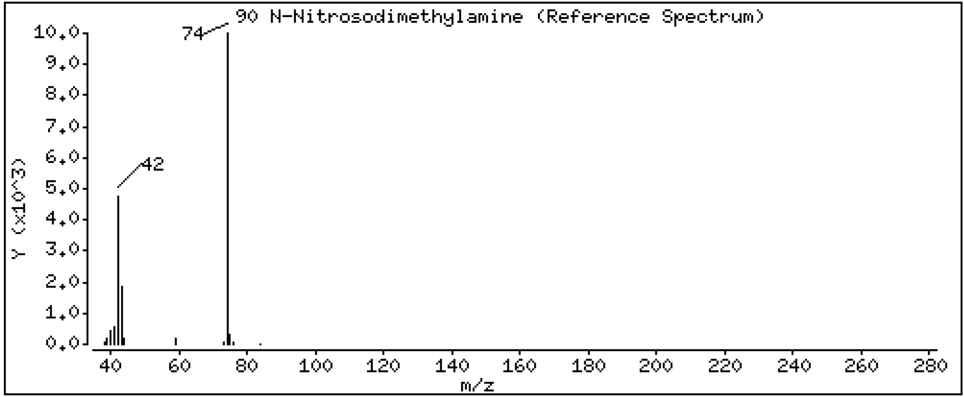
Column diameter: 0.25

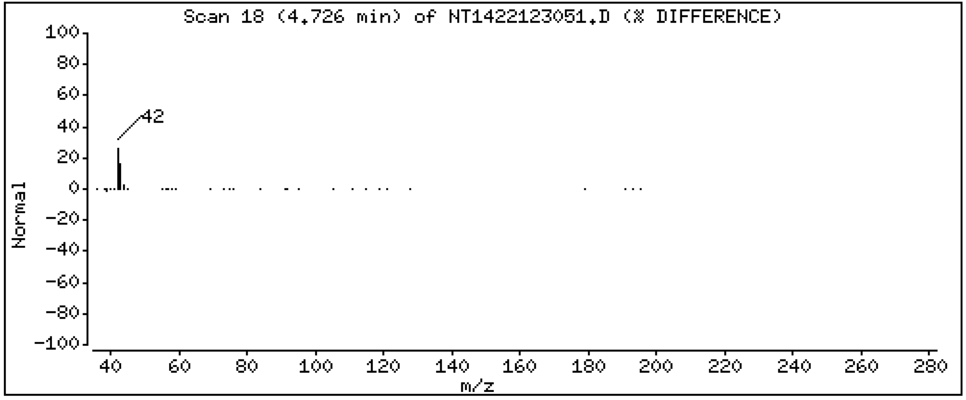
90 N-Nitrosodimethylamine

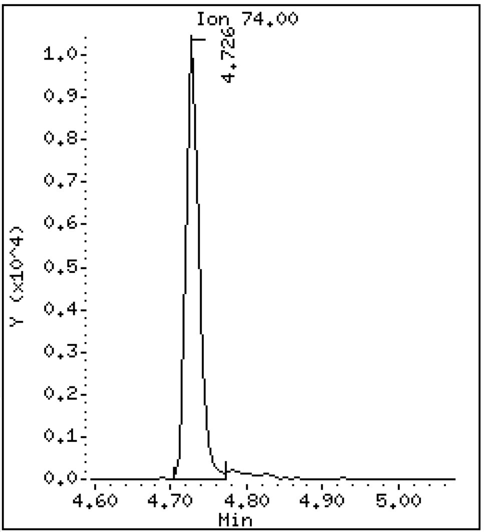
Concentration: 0.4965 ug/mL

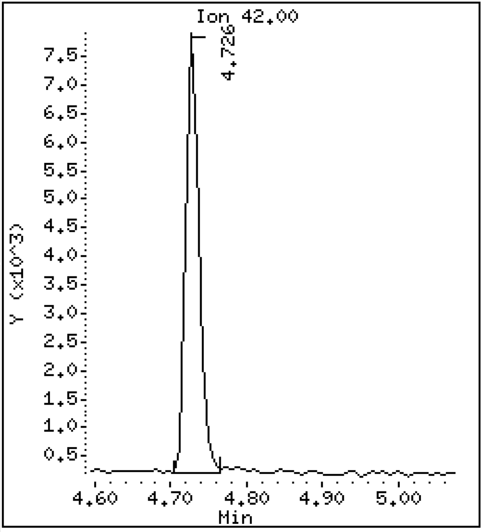












Data File: \\target\share\chem3\nt14.i\20221230B.b\NT1422123051.D

Date : 31-DEC-2022 14:29

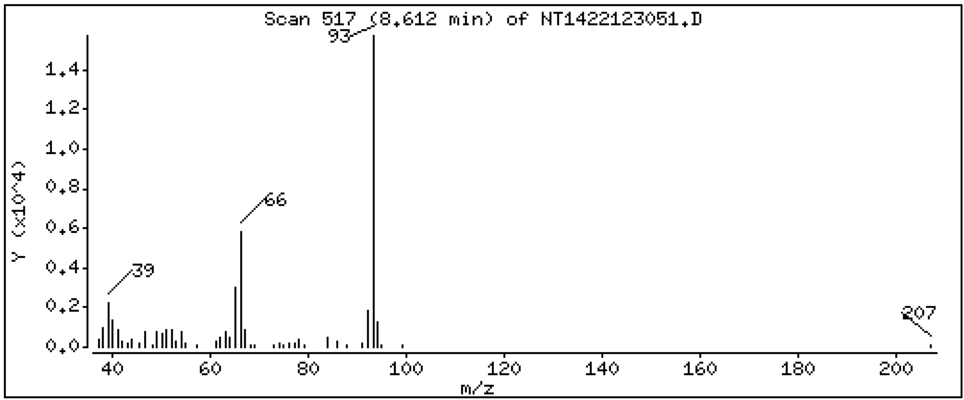
Client ID: Instrument: nt14.i

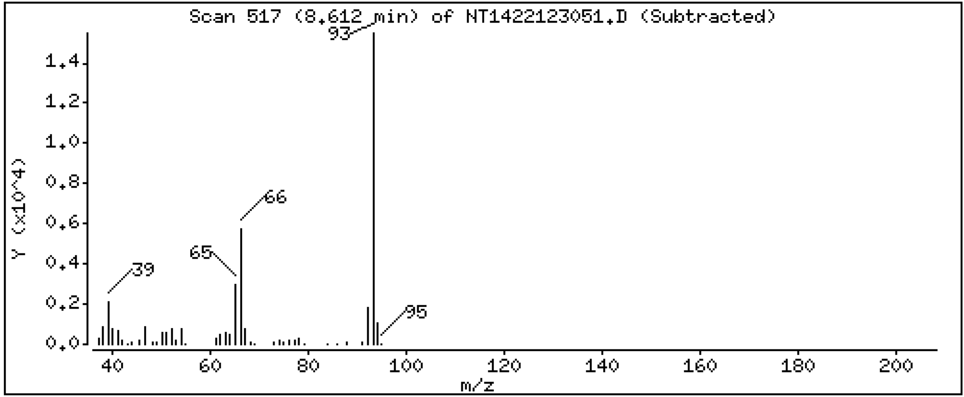
Sample Info: SKL0355-LCV1

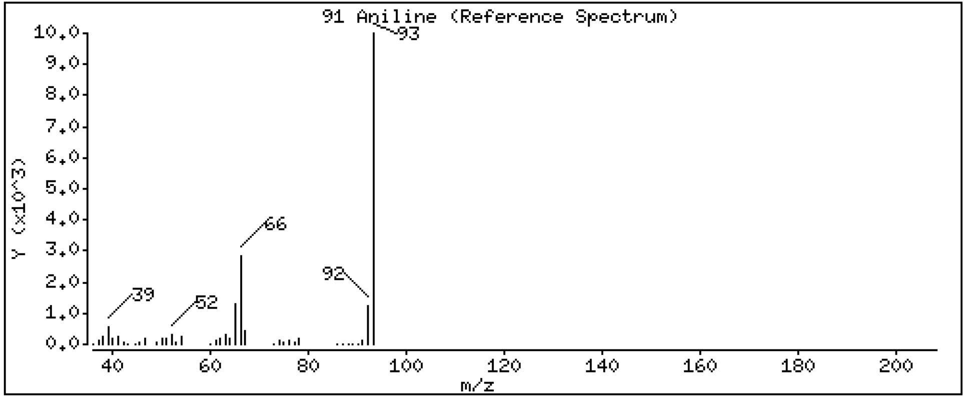
Operator: VTS

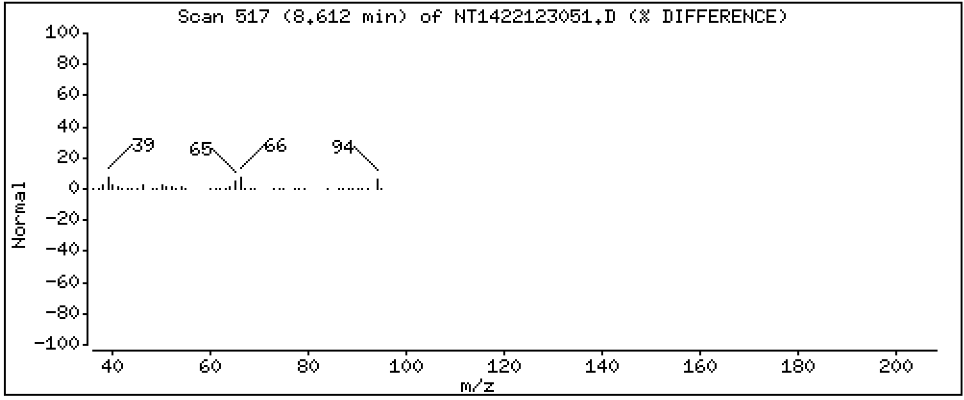
Column phase: ZB-5msi Column diameter: 0.25

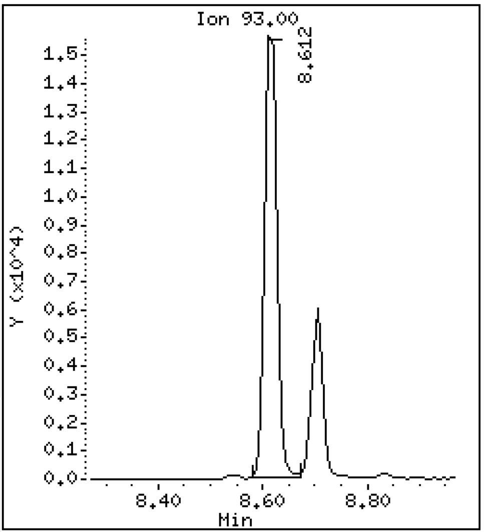
91 Aniline Concentration: 0.4714 ug/mL

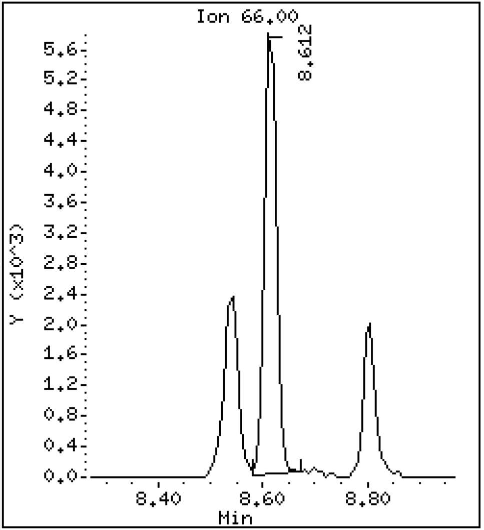

Scan 517 (8.612 min) of NT1422123051.D

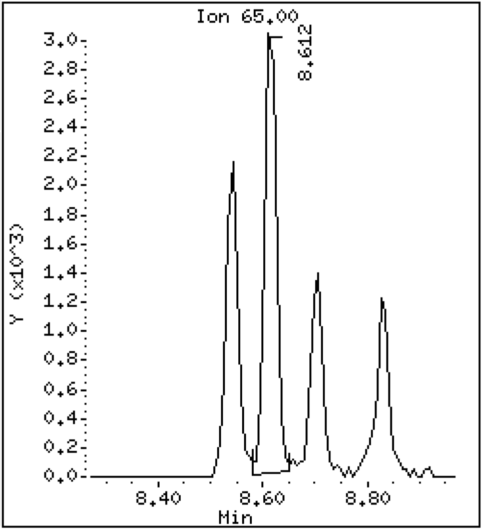

Scan 517 (8.612 min) of NT1422123051.D (Subtracted)


91 Aniline (Reference Spectrum)


Scan 517 (8.612 min) of NT1422123051.D (% DIFFERENCE)


Ion 93.00


Ion 66.00


Ion 65.00

Data File: \\target\share\chem3\nt14.i\20221230B.b\NT1422123051.D

Date : 31-DEC-2022 14:29

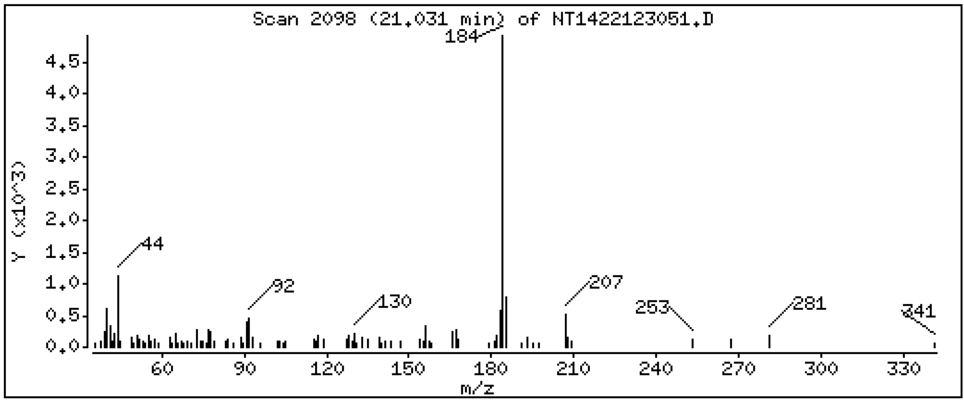
Client ID: Instrument: nt14.i

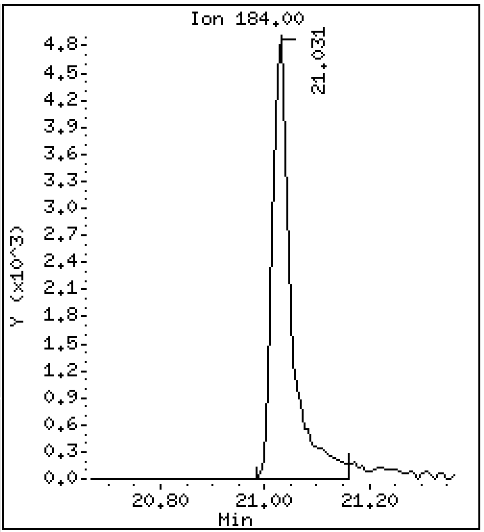
Sample Info: SKL0355-LCV1

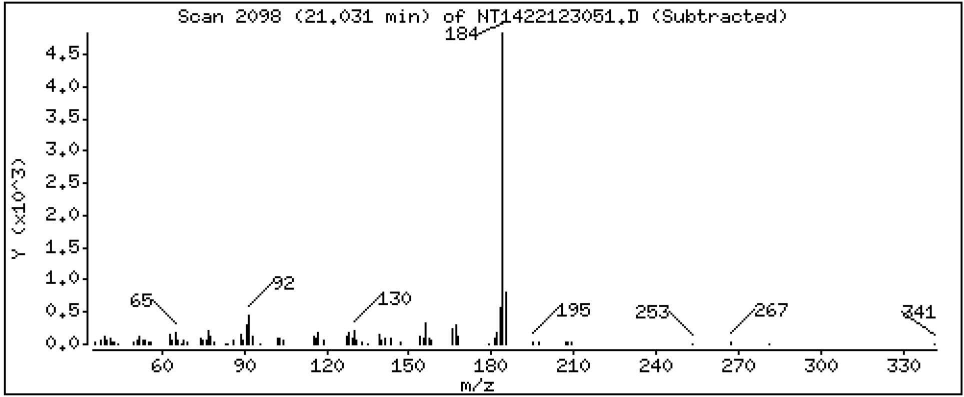
Operator: VTS

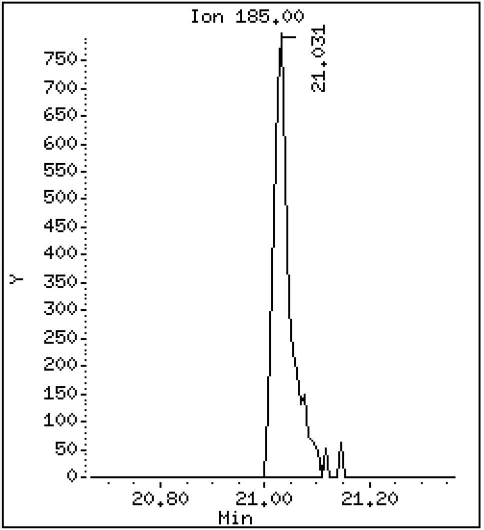
Column phase: ZB-5msi Column diameter: 0.25

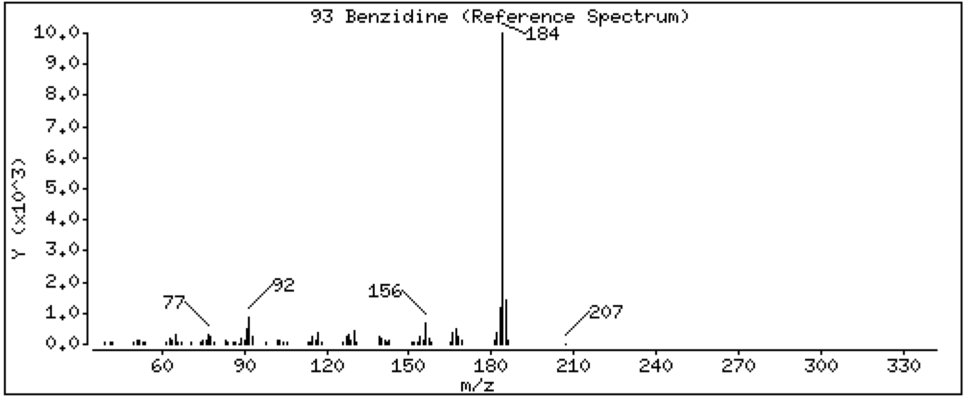
93 Benzidine Concentration: 0.3471 ug/mL

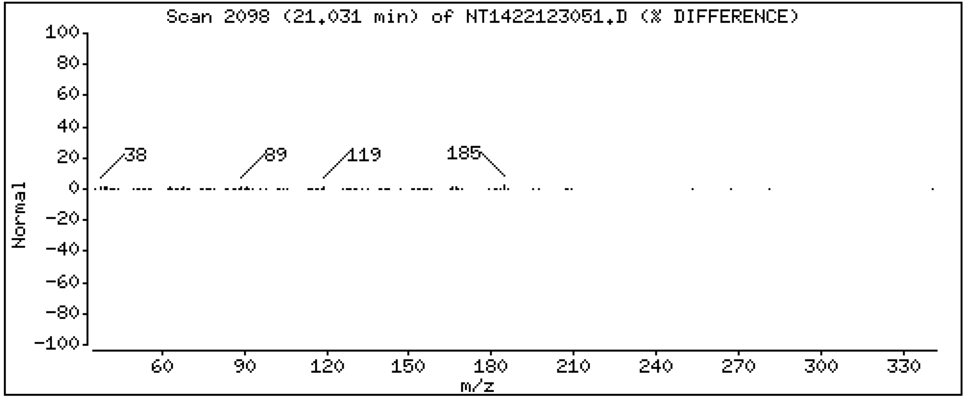

Scan 2098 (21.031 min) of NT1422123051.D

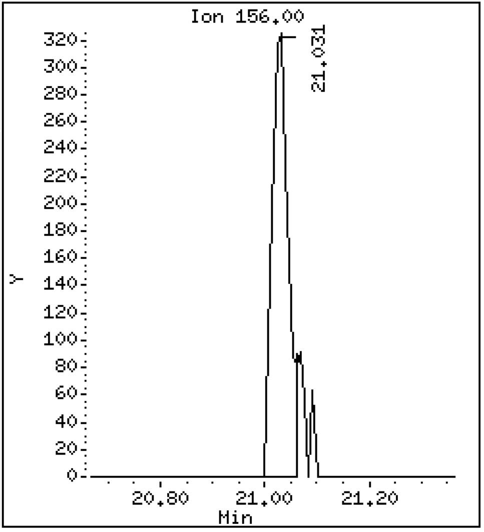

Ion 184.00


Scan 2098 (21.031 min) of NT1422123051.D (Subtracted)


Ion 185.00


93 Benzidine (Reference Spectrum)


Scan 2098 (21.031 min) of NT1422123051.D (% DIFFERENCE)


Ion 156.00

Data File: \\target\share\chem3\nt14.i\20221230B.b\NT1422123051.D

Date : 31-DEC-2022 14:29

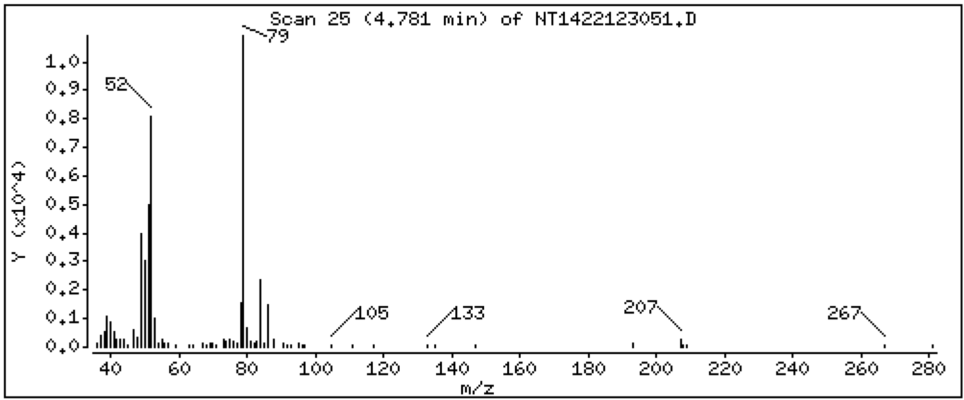
Client ID: Instrument: nt14.i

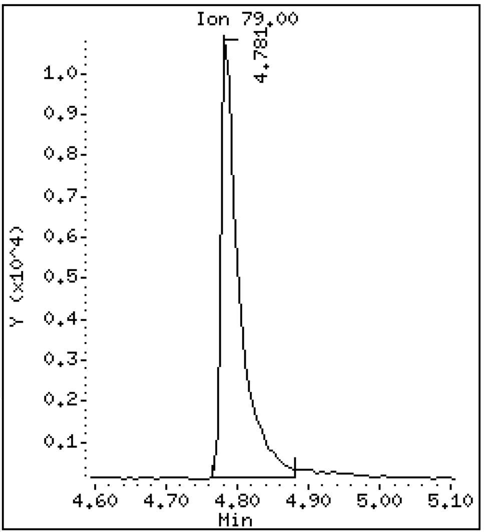
Sample Info: SKL0355-LCV1

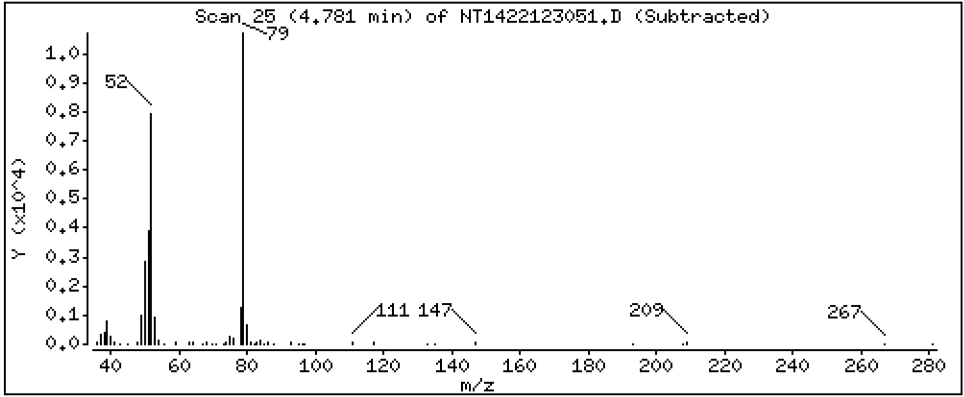
Operator: VTS

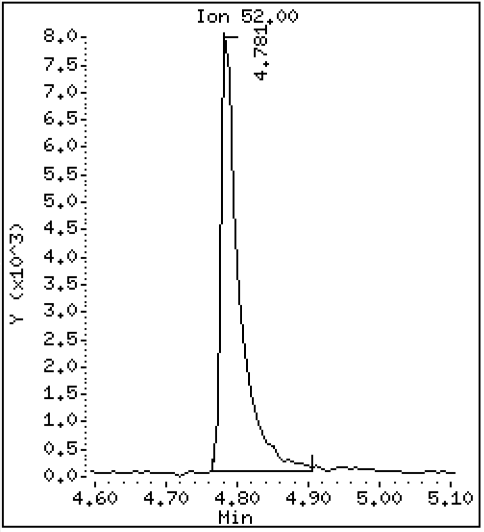
Column phase: ZB-5msi Column diameter: 0.25

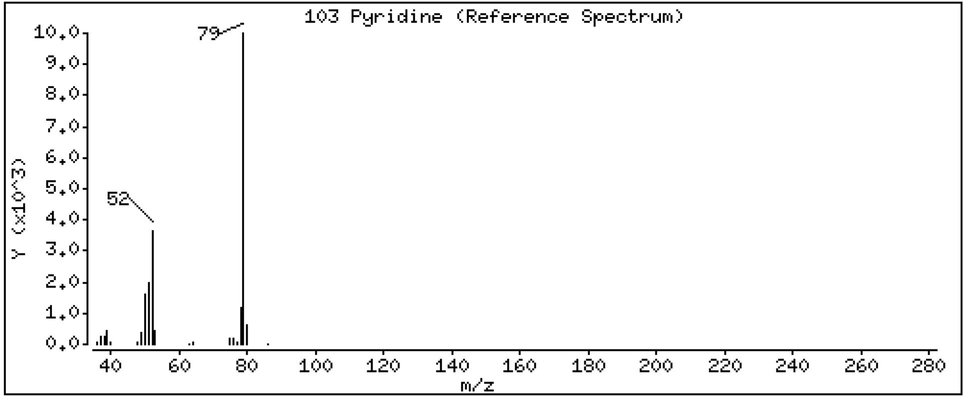
103 Pyridine Concentration: 0.2428 ug/mL

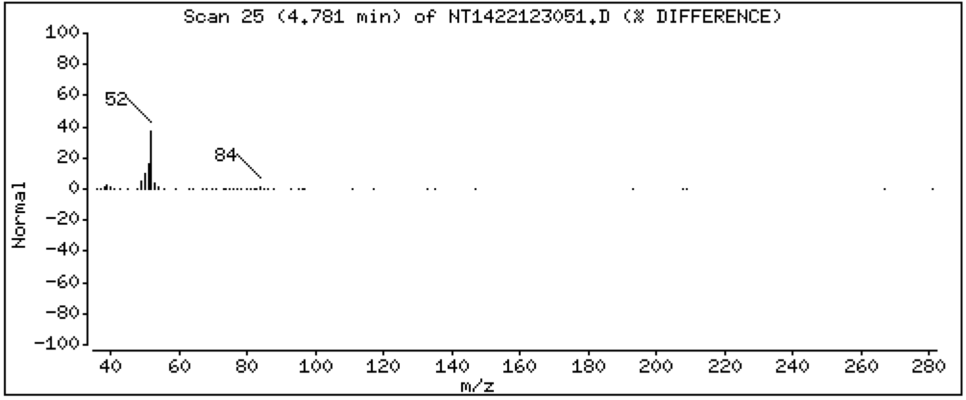












Date : 31-DEC-2022 14:29

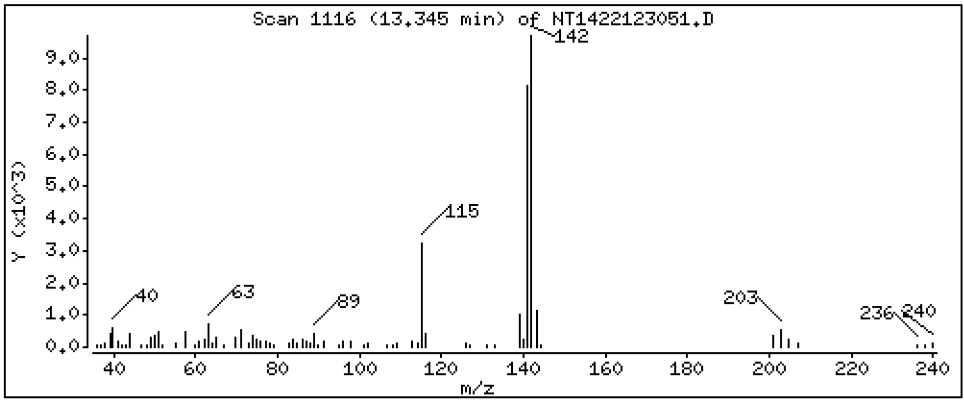
Client ID: Instrument: nt14.i

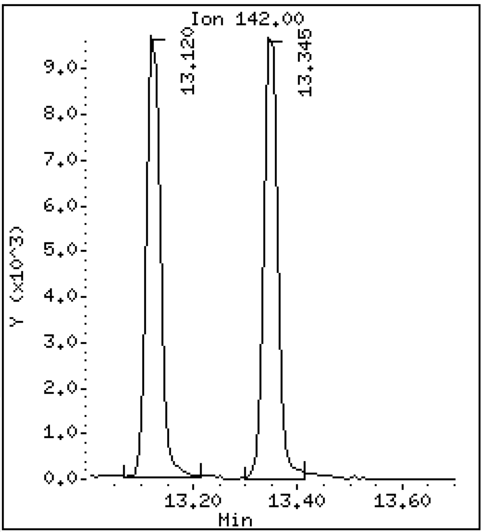
Sample Info: SKL0355-LCV1

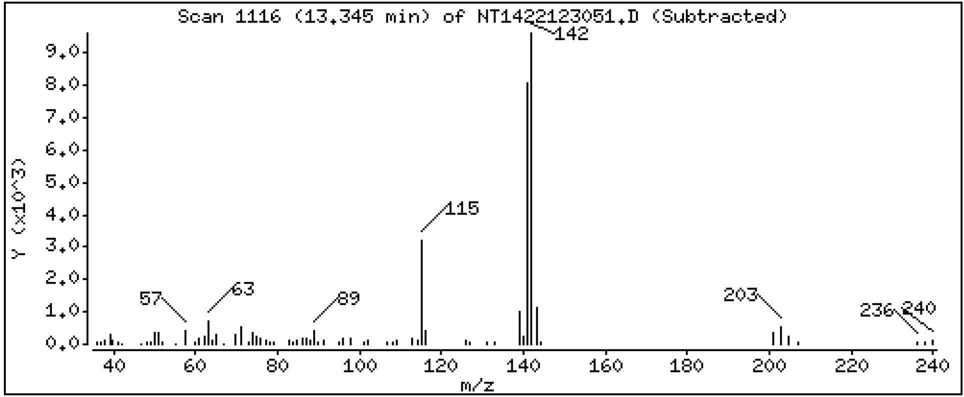
Operator: VTS

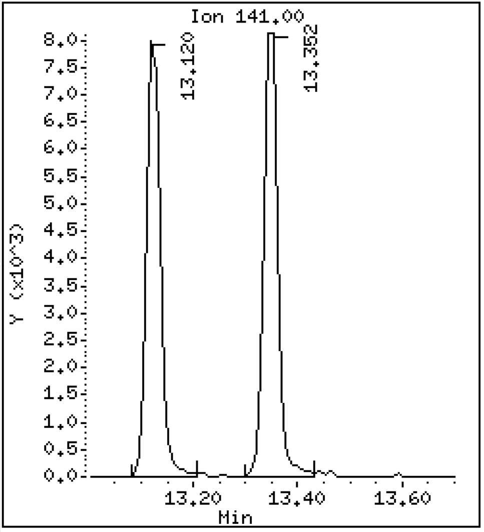
Column phase: ZB-5msi Column diameter: 0.25

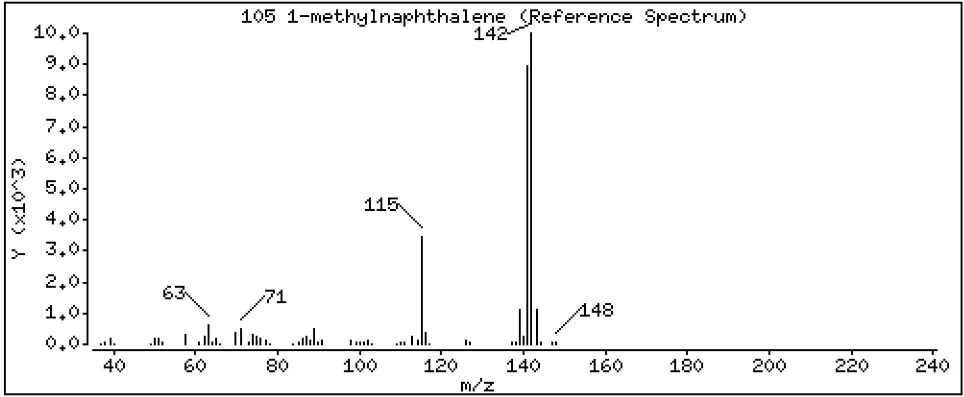
105 1-methylnaphthalene Concentration: 0.2317 ug/mL

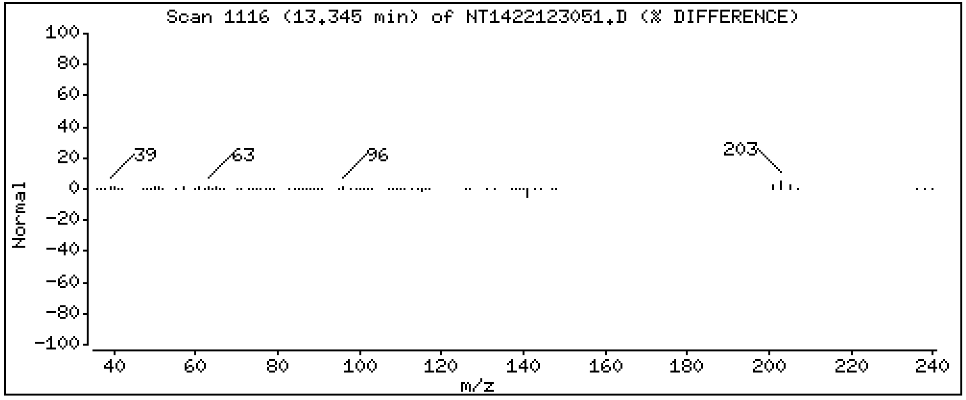












Data File: \\target\share\chem3\nt14.i\20221230B.b\NT1422123051.D

Date : 31-DEC-2022 14:29

Client ID:

Instrument: nt14.i

Sample Info: SKL0355-LCV1

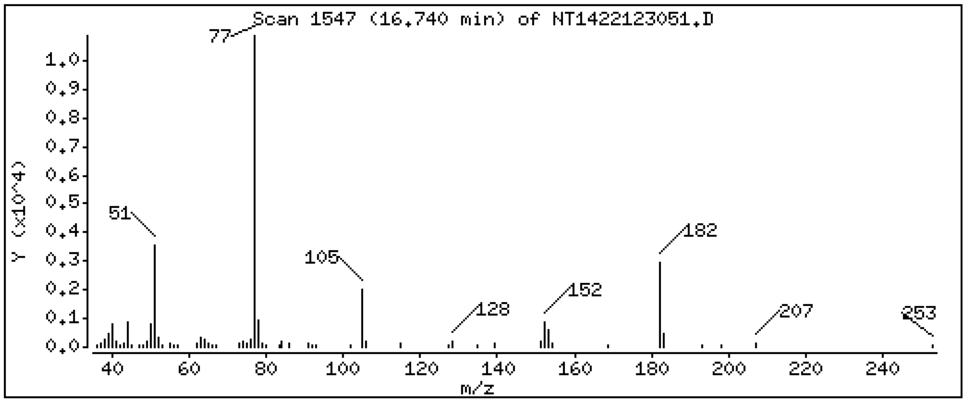
Operator: VTS

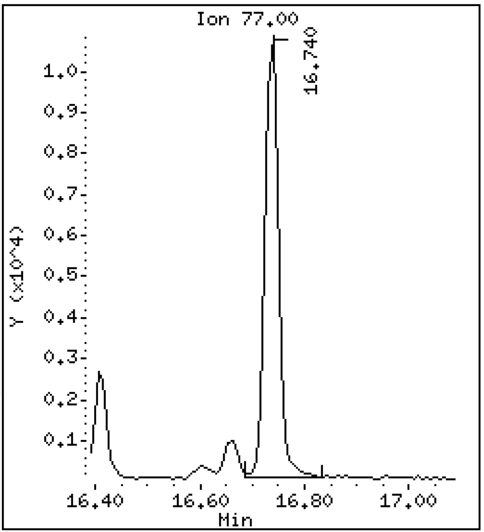
Column phase: ZB-5msi

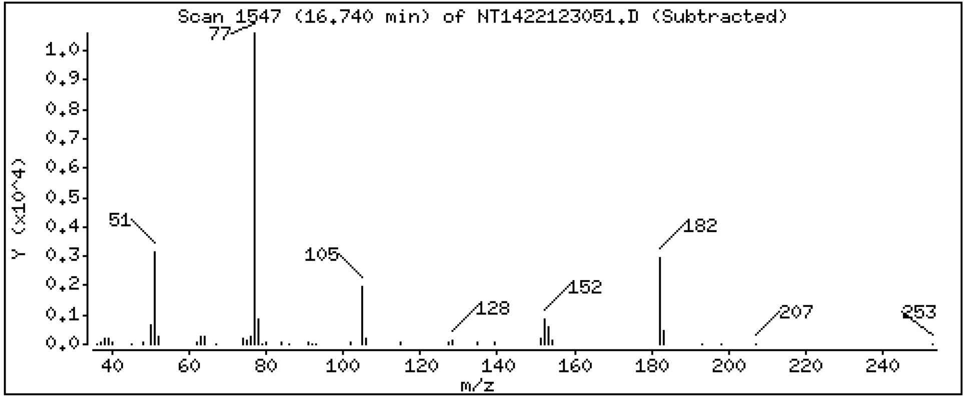
Column diameter: 0.25

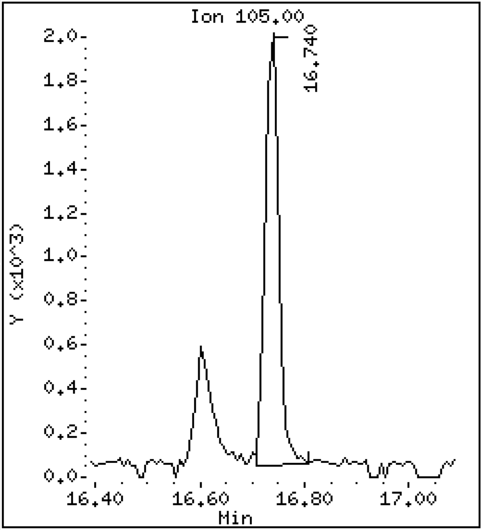
111 Azobenzene (1,2-DP-Hydrazine)

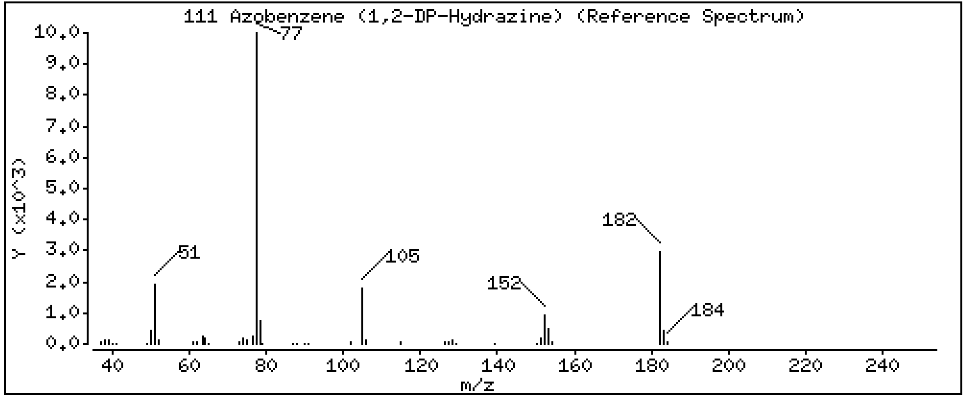
Concentration: 0.2322 ug/mL

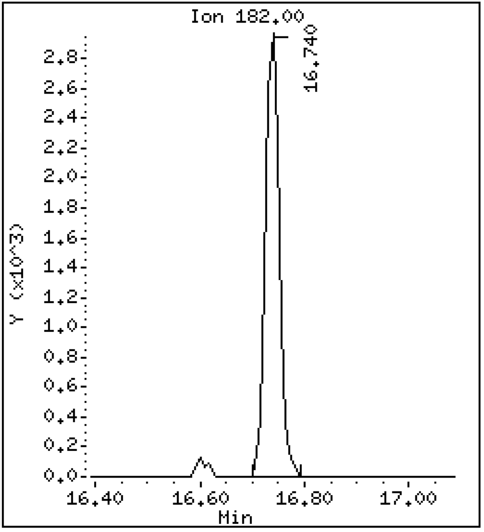


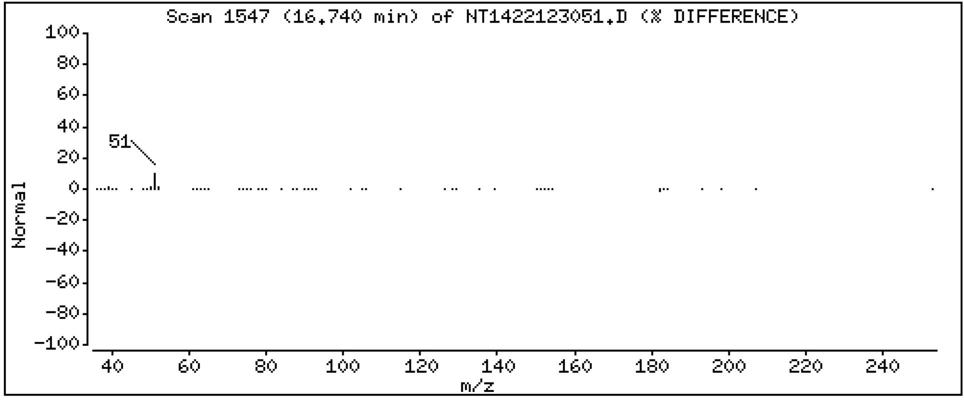












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Date : 31-DEC-2022 14:29

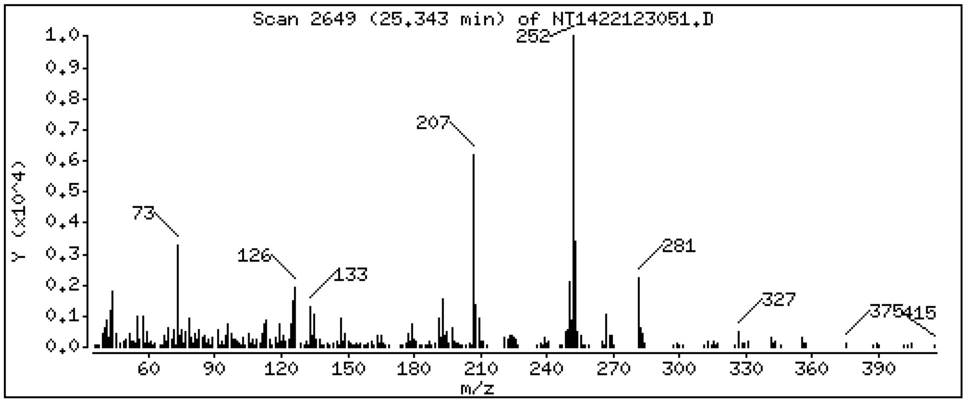
Client ID: Instrument: nt14.i

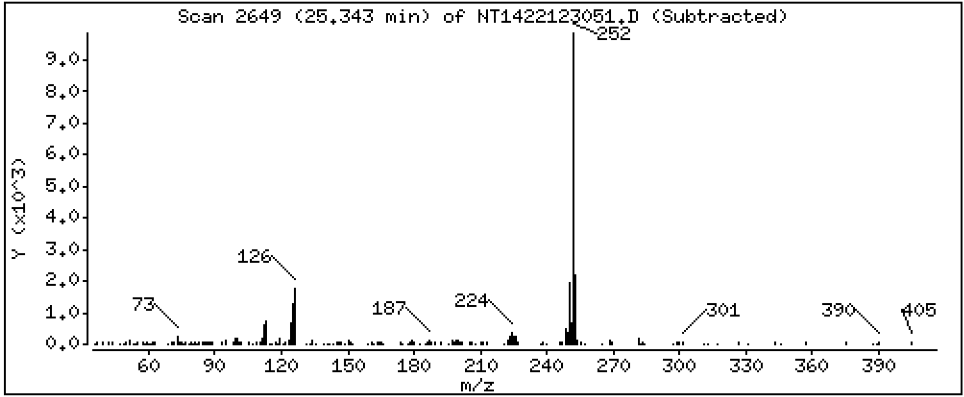
Sample Info: SKL0355-LCV1

Operator: VTS

Column phase: ZB-5msi Column diameter: 0.25

187 Total Benzofluoranthenes Concentration: 0.5087 ug/mL


Scan 2649 (25.343 min) of NT1422123051.D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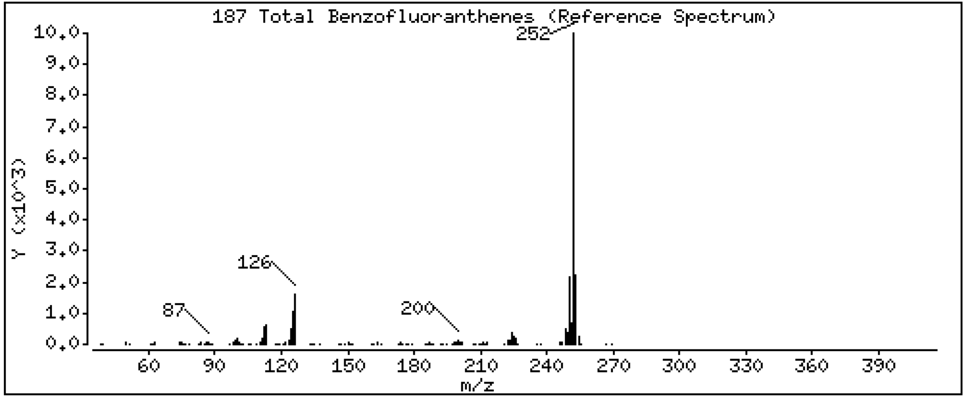
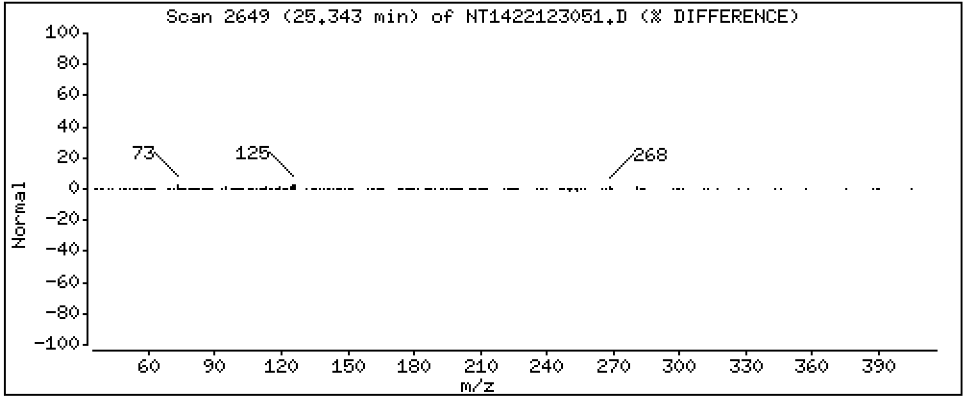

187 Total Benzofluoranthenes (Reference Spectrum)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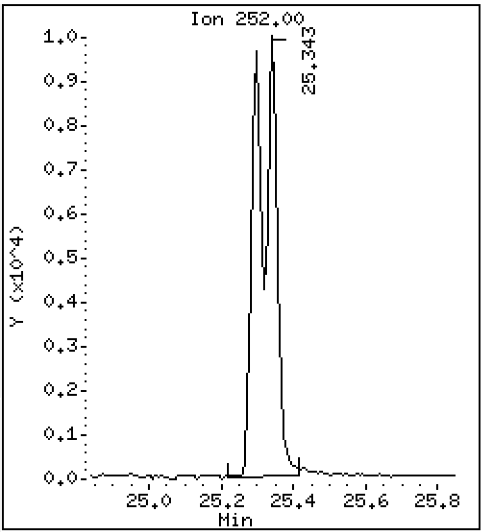
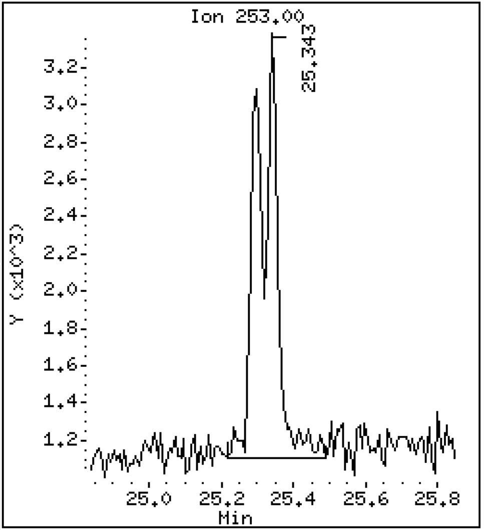

Ion 252.00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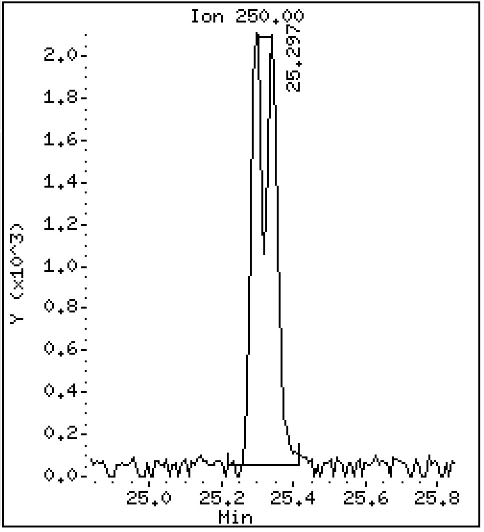

Ion 250.00

Date : 31-DEC-2022 14:29

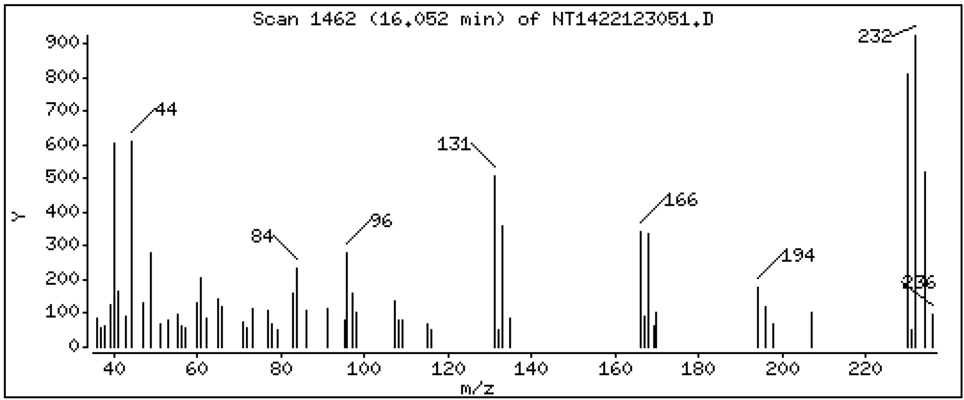
Client ID: Instrument: nt14.i

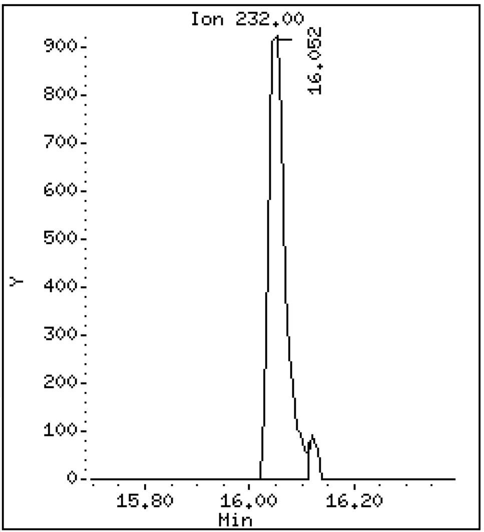
Sample Info: SKL0355-LCV1

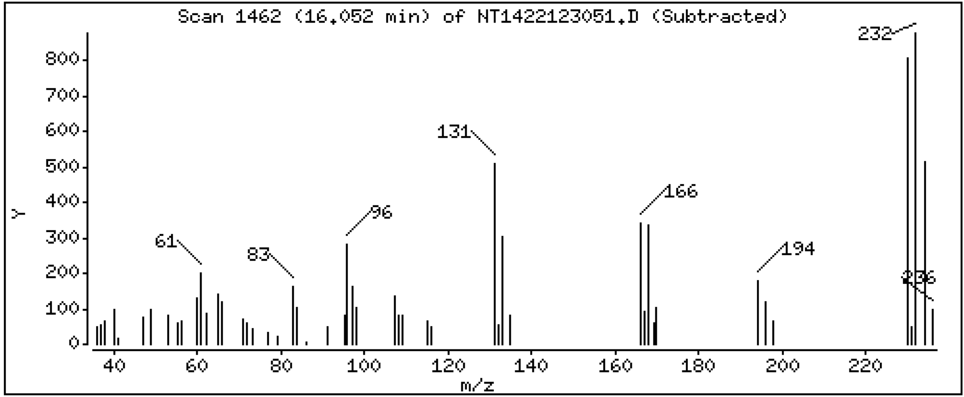
Operator: VTS

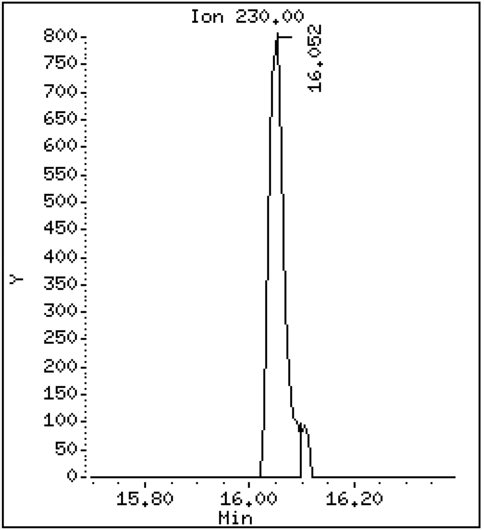
Column phase: ZB-5msi Column diameter: 0.25

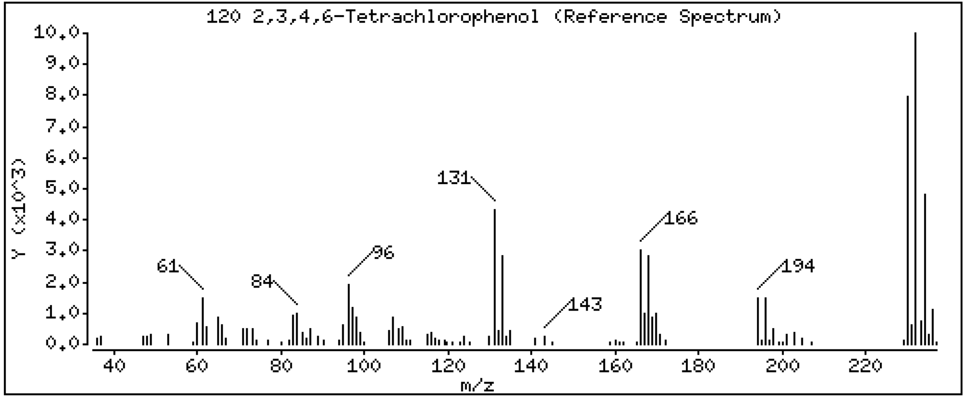
120 2,3,4,6-Tetrachlorophenol Concentration: 0.1326 ug/mL

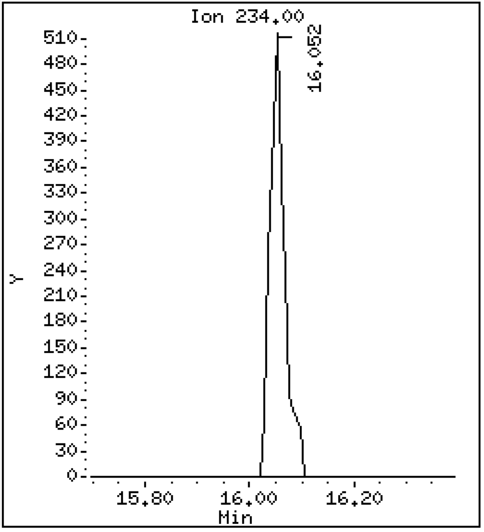


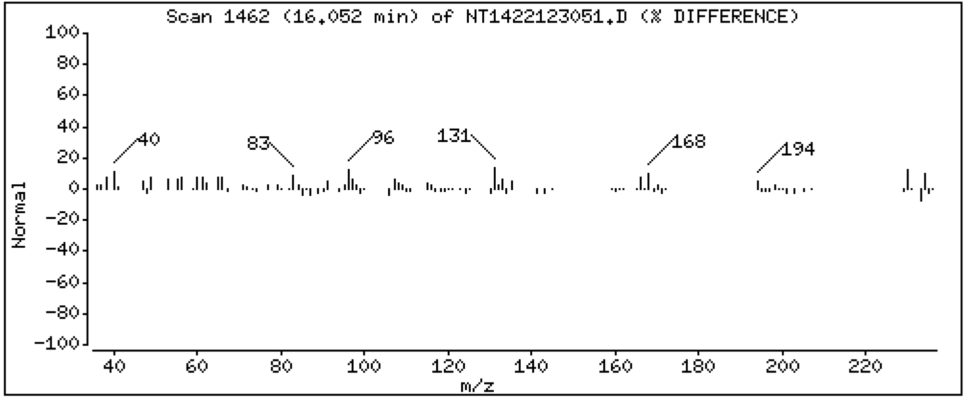












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Data File: \\target\share\chem3\nt14.i\20221230B.b\NT1422123051.D Page 1
Report Date: 04-Jan-2023 12:20



                                 ARI Labs, Inc.

                       Semivolatile Report SW846 Method 8270D
Data file : \\target\share\chem3\nt14.i\20221230B.b\NT1422123051.D
Lab Smp Id: SKL0355-LCV1
Inj Date  : 31-DEC-2022 14:29            MS Autotune Date: 17-MAY-2011 01:22
Operator  : VTS                          Inst ID: nt14.i
Smp Info  : SKL0355-LCV1
Misc Info :
Comment   : 1ul Injection
Method    : \\target\share\chem3\nt14.i\20221230B.b\ABN.m
Meth Date : 04-Jan-2023 08:43 van        Quant Type: ISTD
Cal Date  : 30-DEC-2022 11:07            Cal File: NT1422123007.D
Als bottle: 4
Dil Factor: 1.00000
Integrator: HP RTE                       Compound Sublist: ICAL.sub
Target Version:  4.14
Processing Host: VANS-201906


                                                                                            CONCENTRATIONS
                                      QUANT SIG                                          ON-COLUMN    FINAL
Compounds                               MASS         RT    EXP RT   REL RT  RESPONSE      (ug/mL)     (ug/mL)
==========================              ====       ==== ======== ======== ========      =======     =======
$   1 2-Fluorophenol                     112       6.927    6.927 (0.756)     12842      0.34438     0.3444
$   2 Phenol-d5                           99       8.519    8.519 (0.929)     14155      0.30716     0.3072
    3 Phenol                              94       8.542    8.542 (0.932)     12014      0.22943     0.2294
$   5 2-Chlorophenol-d4                  132       8.804    8.804 (0.960)     12856      0.33217     0.3322
    4 Bis(2-Chloroethyl)ether             93       8.704    8.704 (0.949)      8623      0.23905     0.2390
    6 2-Chlorophenol                     128       8.835    8.835 (0.964)     10012      0.23554     0.2355
    7 1,3-Dichlorobenzene                146       9.106    9.106 (0.993)     11073      0.24567     0.2457
*   8 1,4-Dichlorobenzene-d4             152       9.168    9.168 (1.000)    116397      4.00000
    9 1,4-Dichlorobenzene                146       9.199    9.199 (1.003)     10619      0.24869     0.2487
$  10 1,2-Dichlorobenzene-d4             152       9.533    9.533 (1.040)      6376      0.24103     0.2410
   12 1,2-Dichlorobenzene                146       9.556    9.564 (1.042)     10186      0.24324     0.2432
   11 Benzyl alcohol                     108       9.440    9.440 (1.030)      3783      0.16228     0.1623
   14 2,2'-oxybis(1-Chloropropane)       121       9.742    9.743 (1.063)      2715      0.22362     0.2236(M)
   13 2-Methylphenol                     108       9.665    9.665 (1.054)      8908      0.23411     0.2341
   17 Hexachloroethane                   117      10.162   10.162 (1.108)      2756      0.17549     0.1755
   16 N-Nitroso-di-n-propylamine          70       9.999    9.999 (1.091)      5117      0.22076     0.2208
   15 4-Methylphenol                     108       9.937    9.937 (1.084)      8513      0.21208     0.2121
$  18 Nitrobenzene-d5                     82      10.270   10.270 (0.880)      7699      0.21407     0.2141
   19 Nitrobenzene                        77      10.301   10.301 (0.882)      8051      0.22540     0.2254
   20 Isophorone                          82      10.759   10.759 (0.922)      8947      0.19654     0.1965
   21 2-Nitrophenol                      139      10.938   10.938 (0.937)      4423      0.20275     0.2028
   22 2,4-Dimethylphenol                 107      10.992   10.992 (0.942)     16985      0.45562     0.4556
   23 Bis(2-Chloroethoxy)methane          93      11.186   11.186 (0.958)      8349      0.23576     0.2358
   24 Benzoic acid                       105      11.139   11.201 (0.954)      3966      0.17478     0.1748(M)
   25 2,4-Dichlorophenol                 162      11.403   11.403 (0.977)     12985      0.41323     0.4132
   26 1,2,4-Trichlorobenzene             180      11.588   11.589 (0.993)      8229      0.24219     0.2422
*  27 Naphthalene-d8                     136      11.673   11.681 (1.000)    425902      4.00000
   28 Naphthalene                        128      11.720   11.720 (1.004)     24917      0.23773     0.2377
   29 4-Chloroaniline                    127      11.843   11.843 (1.015)     17541      0.40581     0.4058
   30 Hexachlorobutadiene                225      12.083   12.083 (1.035)      3748      0.22233     0.2223
   31 4-Chloro-3-methylphenol            107      12.818   12.810 (1.098)     11891      0.40100     0.4010
   32 2-Methylnaphthalene                142      13.120   13.128 (1.124)     17149      0.22305     0.2231
   33 Hexachlorocyclopentadiene          237      13.600   13.592 (0.888)       352      0.02150    0.02150
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                                                                                      CONCENTRATIONS
                                       QUANT SIG                                    ON-COLUMN    FINAL
Compounds                                MASS          RT    EXP RT   REL RT  RESPONSE   (ug/mL)     (ug/mL)
==========================               ====        ==== ======== ======== ========    =======     =======
   34 2,4,6-Trichlorophenol               196       13.754  13.747 (0.898)       6773    0.37464      0.3746
   35 2,4,5-Trichlorophenol               196       13.839  13.824 (0.904)       9005    0.43158      0.4316(M)
$  36 2-Fluorobiphenyl                    172       13.909  13.909 (0.909)      16254    0.22319      0.2232
   37 2-Chloronaphthalene                 162       14.126  14.126 (0.923)      14693    0.23716      0.2372
   38 2-Nitroaniline                       65       14.381  14.373 (0.939)       6470    0.39723      0.3972
   39 Dimethylphthalate                   163       14.807  14.807 (0.967)      13629    0.22312      0.2231
   40 Acenaphthylene                      152       15.000  15.000 (0.980)      21309    0.22558      0.2256
   41 2,6-Dinitrotoluene                  165       14.946  14.946 (0.976)       4846    0.35154      0.3515
*  42 Acenaphthene-d10                    164       15.310  15.318 (1.000)     216598    4.00000
   43 3-Nitroaniline                      138       15.232  15.233 (0.995)       5647    0.33704      0.3370
   44 Acenaphthene                        153       15.379  15.379 (1.005)      13777    0.23514      0.2351
   45 2,4-Dinitrophenol                   184       15.472  15.441 (1.011)         62    0.00530    0.005296(M)
   46 Dibenzofuran                        168       15.712  15.712 (1.026)      21128    0.24047      0.2405
   47 4-Nitrophenol                       109       15.634  15.549 (1.021)       1904    0.23747      0.2375(M)
   48 2,4-Dinitrotoluene                  165       15.758  15.758 (1.029)       5711    0.30195      0.3020
   50 Diethylphthalate                    149       16.268  16.268 (1.063)      18907    0.22772      0.2277
   49 Fluorene                            166       16.423  16.423 (1.073)      21251    0.22736      0.2274
   51 4-Chlorophenyl-phenylether          204       16.407  16.415 (1.072)       9783    0.21379      0.2138
   52 4-Nitroaniline                      138       16.523  16.508 (1.079)       6307    0.31284      0.3128
   53 4,6-Dinitro-2-methylphenol          198       16.600  16.608 (0.904)       2946    0.20197      0.2020
   54 N-Nitrosodiphenylamine              169       16.662  16.662 (0.907)      14446    0.24221      0.2422
$  55 2,4,6-Tribromophenol                330       16.963  16.963 (1.108)       2148    0.21169      0.2117(M)
   56 4-Bromophenyl-phenylether           248       17.418  17.418 (0.949)       5136    0.22742      0.2274
   57 Hexachlorobenzene                   284       17.742  17.742 (0.966)       5677    0.22906      0.2291
   58 Pentachlorophenol                   266       18.114  18.098 (0.987)        823    0.07669     0.07669(M)
*  59 Phenanthrene-d10                    188       18.361  18.369 (1.000)     347572    4.00000
   60 Phenanthrene                        178       18.408  18.415 (1.003)      21884    0.24149      0.2415
   61 Anthracene                          178       18.508  18.508 (1.008)      18882    0.21826      0.2183
   62 Carbazole                           167       18.841  18.833 (1.026)      18183    0.21741      0.2174
   63 Di-n-butylphthalate                 149       19.622  19.622 (1.069)      17991    0.19057      0.1906
   64 Fluoranthene                        202       20.798  20.798 (0.889)      21465    0.23077      0.2308
   65 Pyrene                              202       21.224  21.224 (0.907)      21631    0.22118      0.2212
$  66 Terphenyl-d14                       244       21.495  21.495 (0.918)      15087    0.21757      0.2176
   67 Butylbenzylphthalate                149       22.408  22.416 (0.957)       7672    0.20800      0.2080
   68 Benzo(a)anthracene                  228       23.376  23.376 (0.999)      21137    0.24154      0.2415
*  69 Chrysene-d12                        240       23.407  23.407 (1.000)     288877    4.00000
   70 3,3'-Dichlorobenzidine              252       23.330  23.330 (0.997)      18651    0.69622      0.6962
   71 Chrysene                            228       23.446  23.454 (1.002)      19952    0.24137      0.2414
   72 bis(2-Ethylhexyl)phthalate          149       23.430  23.438 (0.959)      10512    0.21854      0.2185
* 134 Di-n-octylphthalate-d4              153       24.429  24.429 (1.000)     433122    4.00000
   73 Di-n-octylphthalate                 149       24.437  24.437 (1.000)      25154    0.24194      0.2419
   74 Benzo(b)fluoranthene                252       25.296  25.304 (0.969)      19147    0.24594      0.2459
   75 Benzo(k)fluoranthene                252       25.343  25.343 (0.971)      20195    0.25486      0.2549
   76 Benzo(a)pyrene                      252       25.978  25.978 (0.996)      15635    0.24158      0.2416
*  77 Perylene-d12                        264       26.094  26.094 (1.000)     247727    4.00000
   78 Indeno(1,2,3-cd)pyrene              276       28.861  28.854 (1.106)      10497    0.14268      0.1427
   79 Dibenzo(a,h)anthracene              278       28.869  28.861 (1.106)       9359    0.14970      0.1497
   80 Benzo(g,h,i)perylene                276       29.685  29.669 (1.138)       7577    0.12294      0.1229
   90 N-Nitrosodimethylamine               74        4.726   4.726 (0.516)      12751    0.49649      0.4965
   91 Aniline                              93        8.611   8.619 (0.939)      24033    0.47136      0.4714
   93 Benzidine                           184       21.030  21.015 (0.898)      12279    0.34708      0.3471
  103 Pyridine                             79        4.780   4.757 (0.521)      19811    0.24276      0.2428
  105 1-methylnaphthalene                 142       13.344  13.352 (1.143)      17117    0.23171      0.2317
  111 Azobenzene (1,2-DP-Hydrazine)        77       16.739  16.739 (1.093)      18676    0.23219      0.2322
```

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                                                                                           CONCENTRATIONS
                                     QUANT SIG                                           ON-COLUMN    FINAL
Compounds                              MASS          RT    EXP RT   REL RT  RESPONSE     (ug/mL)     (ug/mL)
==========================             ====        ==== ======== ======== ========     =======     =======
  187 Total Benzofluoranthenes          252       25.343  25.343 (0.971)     38292     0.50874      0.5087
  120 2,3,4,6-Tetrachlorophenol         232       16.052  16.044 (1.048)      2022     0.13261      0.1326
```

QC Flag Legend

M - Compound response manually integrated.

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Data File: \\target\share\chem3\nt14.i\20221230B.b\NT1422123051.D Page 1
Report Date: 04-Jan-2023 12:20

                                   ARI Labs, Inc.

                             INTERNAL STANDARD COMPOUNDS
                                 AREA AND RT SUMMARY

Instrument ID: nt14.i                             Calibration Date: 31-DEC-2022
Lab File ID: NT1422123051.D                       Calibration Time: 13:17
Lab Smp Id: SKL0355-LCV1
Analysis Type: SV                                       Level:
Quant Type: ISTD                                  Sample Type:
Operator: VTS
Method File: \\target\share\chem3\nt14.i\20221230B.b\ABN.m
Misc Info:

Test Mode:
           Use Last Continuing Calibrator.

 |_____________________|__________|_____AREA LIMIT_____|__________|_______|
 | COMPOUND            | STANDARD |  LOWER   |  UPPER  |  SAMPLE  | %DIFF |
 |=====================|==========|==========|=========|==========|=======|
 |  8 1,4-Dichlorobenze|    134439|     67220|   268878|    116397| -13.42|
 | 27 Naphthalene-d8   |    492388|    246194|   984776|    425902| -13.50|
 | 42 Acenaphthene-d10 |    270679|    135340|   541358|    216598| -19.98|
 | 59 Phenanthrene-d10 |    429616|    214808|   859232|    347572| -19.10|
 | 69 Chrysene-d12     |    376030|    188015|   752060|    288877| -23.18|
 |134 Di-n-octylphthala|    634628|    317314|  1269256|    433122| -31.75|
 | 77 Perylene-d12     |    336225|    168113|   672450|    247727| -26.32|
 |_____________________|__________|__________|_________|__________|_______|


 |_____________________|__________|______RT LIMIT______|__________|_______|
 | COMPOUND            | STANDARD |  LOWER   |  UPPER  |  SAMPLE  | %DIFF |
 |=====================|==========|==========|=========|==========|=======|
 |  8 1,4-Dichlorobenze|      9.17|      8.67|     9.67|      9.17|  -0.00|
 | 27 Naphthalene-d8   |     11.68|     11.18|    12.18|     11.67|  -0.07|
 | 42 Acenaphthene-d10 |     15.32|     14.82|    15.82|     15.31|  -0.05|
 | 59 Phenanthrene-d10 |     18.37|     17.87|    18.87|     18.36|  -0.04|
 | 69 Chrysene-d12     |     23.41|     22.91|    23.91|     23.41|  -0.00|
 |134 Di-n-octylphthala|     24.43|     23.93|    24.93|     24.43|  -0.00|
 | 77 Perylene-d12     |     26.09|     25.59|    26.59|     26.09|  -0.00|
 |_____________________|__________|__________|_________|__________|_______|

AREA UPPER LIMIT = +100% of internal standard area.
AREA LOWER LIMIT = - 50% of internal standard area.
RT UPPER LIMIT = + 0.50 minutes of internal standard RT.
RT LOWER LIMIT = - 0.50 minutes of internal standard RT.
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REVIEW SUMMARY FOR FILE - NT1422123051.D

Lab ID: SKL0355-LCV1
nt14.i,  20221230B.b\ABN.m,    31-DEC-2022 14:29

     RT      CO-ELUTION COMPOUNDS
-----------------------------------------------------------------------------

            NO CO-ELUTIONS


Quant Method: ICAL



        RRT CHECK

   RRT    CCV RRT   DELTA    COMPOUND
 -------------------------------------

  1.021    1.015    0.0061   4-Nitrophenol

  RRT check based on Ccal File: NT1422123049.D

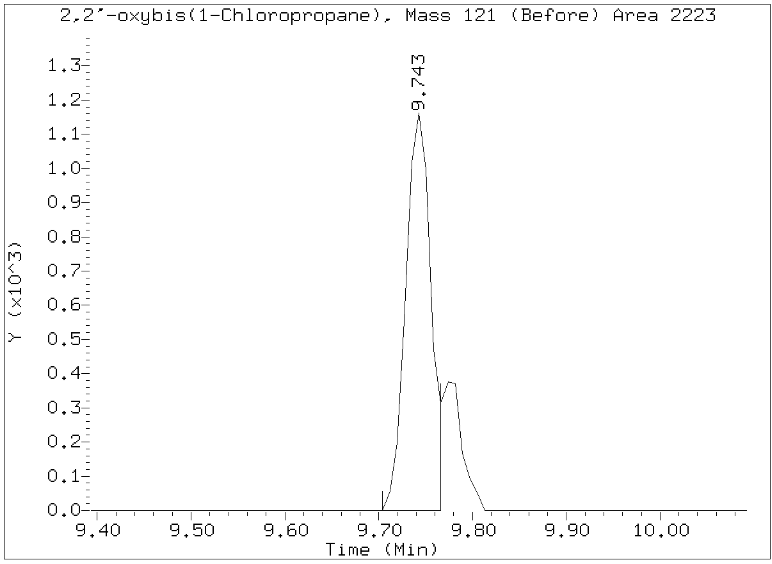

 On Column LOD for nt14.i, 20221230B.b\ABN.m, ICAL.sub = 0.0000

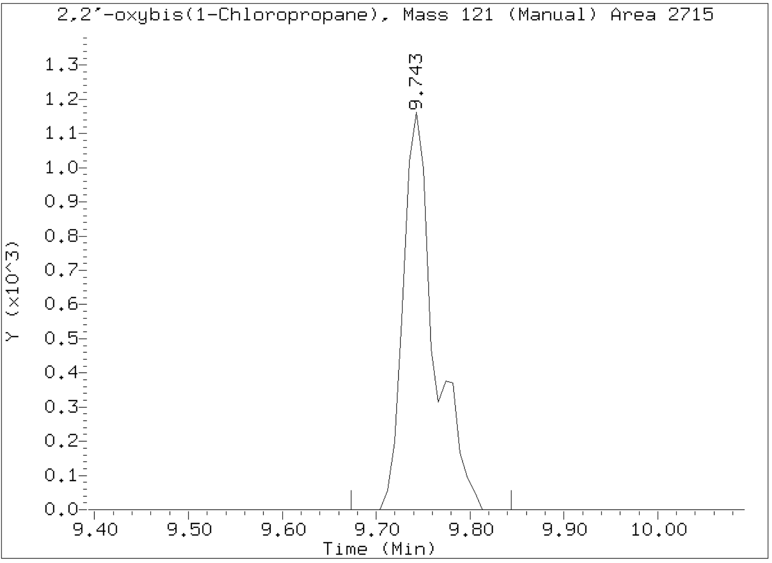

 * Only compounds listed in the work order have been verified by the analyst *
```

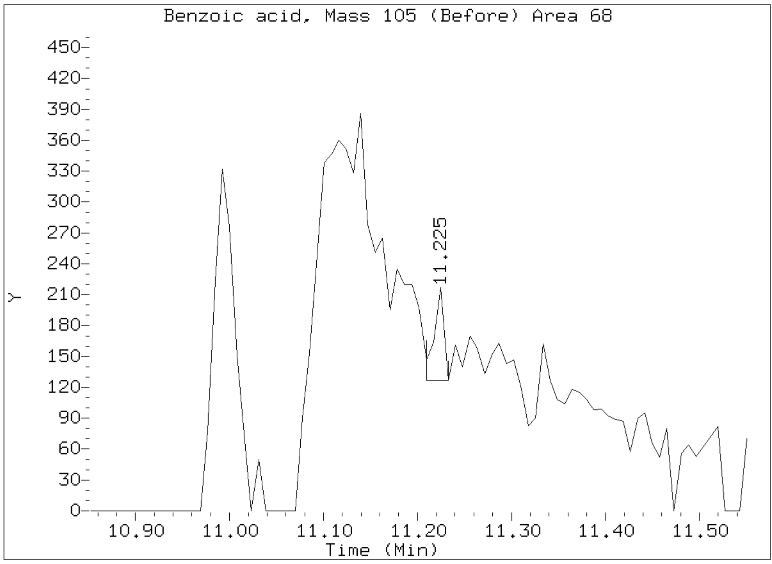
Quant Ion Manual Peak Adjustment Report

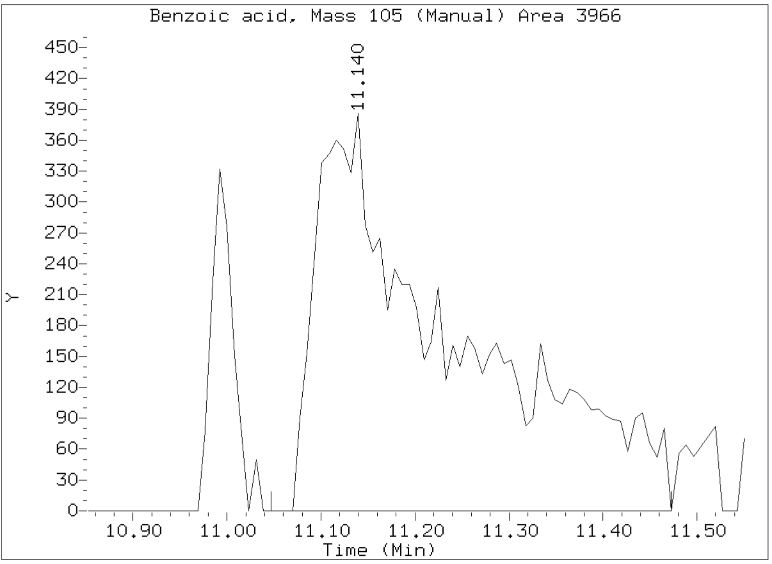
Datafile: //target/share/chem3/nt14.i/20221230B.b/NT1422123051.D
Injection Date: 31-DEC-2022 14:29
Lab ID:SKL0355-LCV1 Client ID:
Report Date: 01/04/2023 12:20

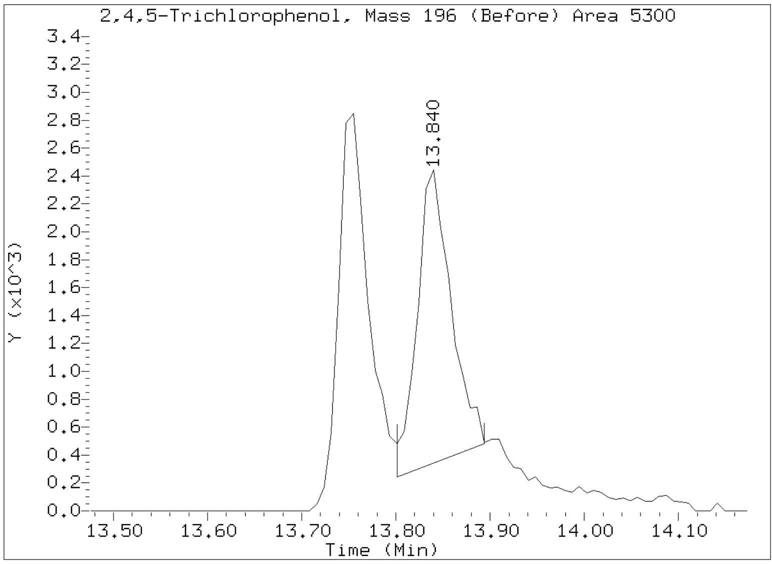
REVIEWED
By Brian Bebee
01/07/2023 @ 06:32 PM

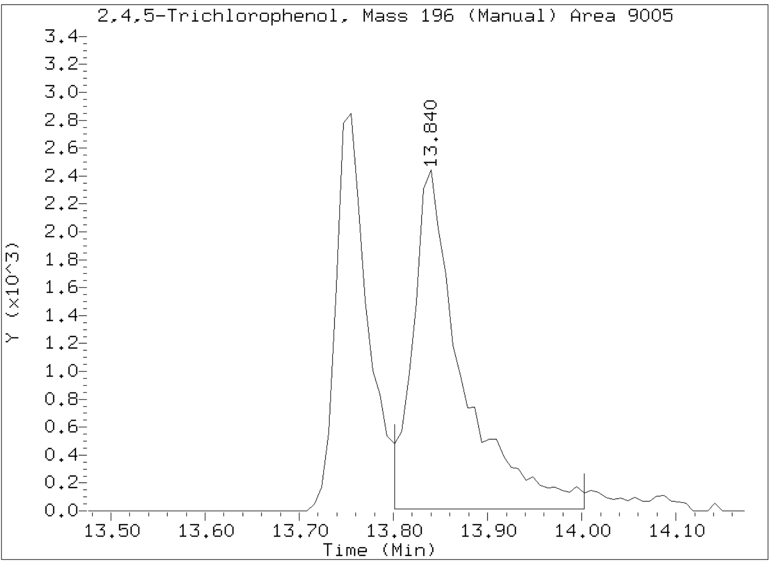

2,2'-oxybis(1-Chloropropane), Mass 121 (Before) Area 2223


2,2'-oxybis(1-Chloropropane), Mass 121 (Manual) Area 2715


Benzoic acid, Mass 105 (Before) Area 68


Benzoic acid, Mass 105 (Manual) Area 3966

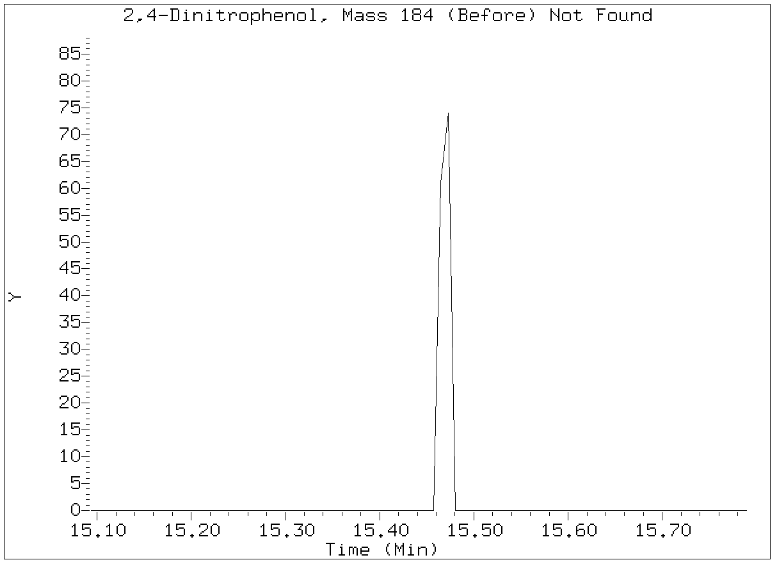

2,4,5-Trichlorophenol, Mass 196 (Before) Area 5300

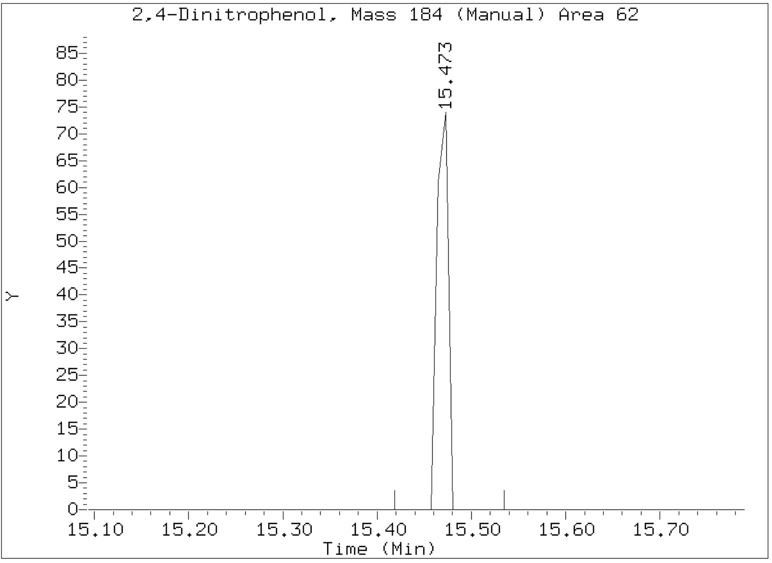

2,4,5-Trichlorophenol, Mass 196 (Manual) Area 9005

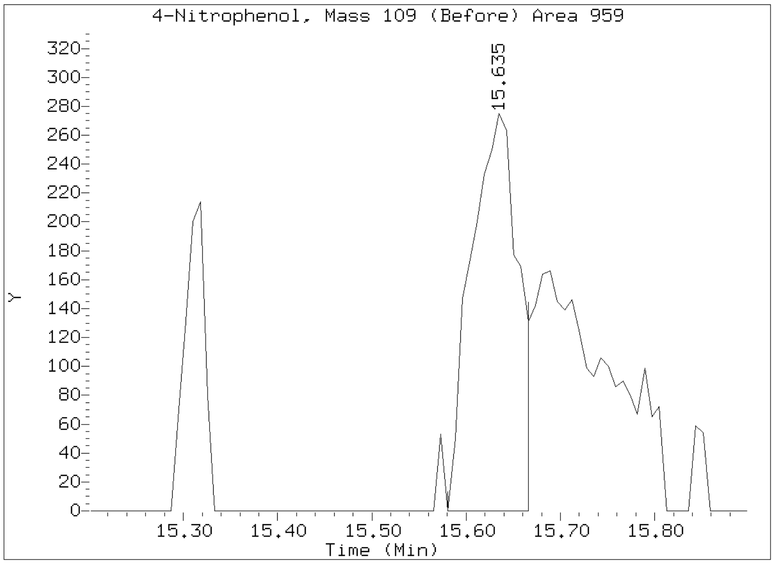
Quant Ion Manual Peak Adjustment Report

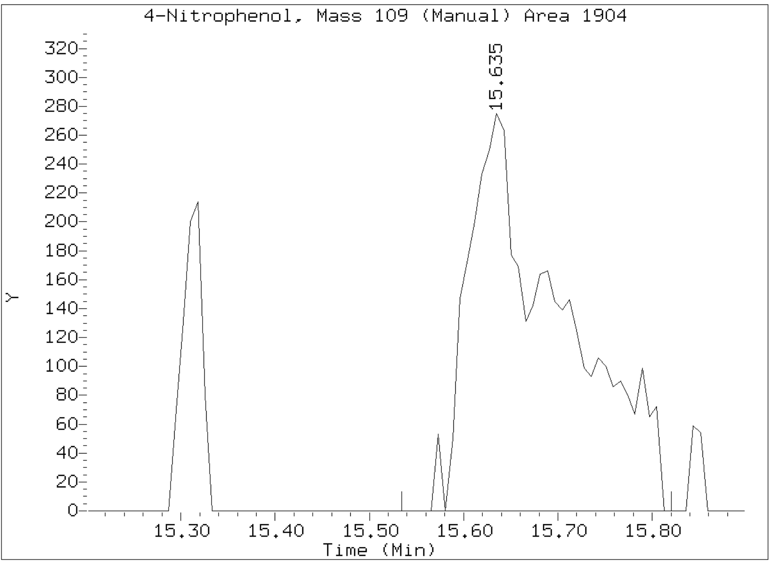
Datafile: //target/share/chem3/nt14.i/20221230B.b/NT1422123051.D
Injection Date: 31-DEC-2022 14:29
Lab ID:SKL0355-LCV1 Client ID:
Report Date: 01/04/2023 12:20

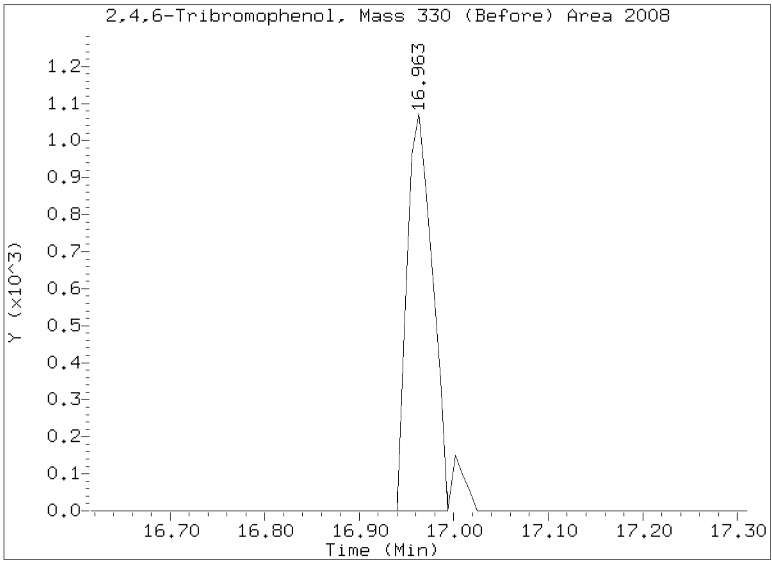
REVIEWED
By Brian Bebee
01/07/2023 @ 06:32 PM

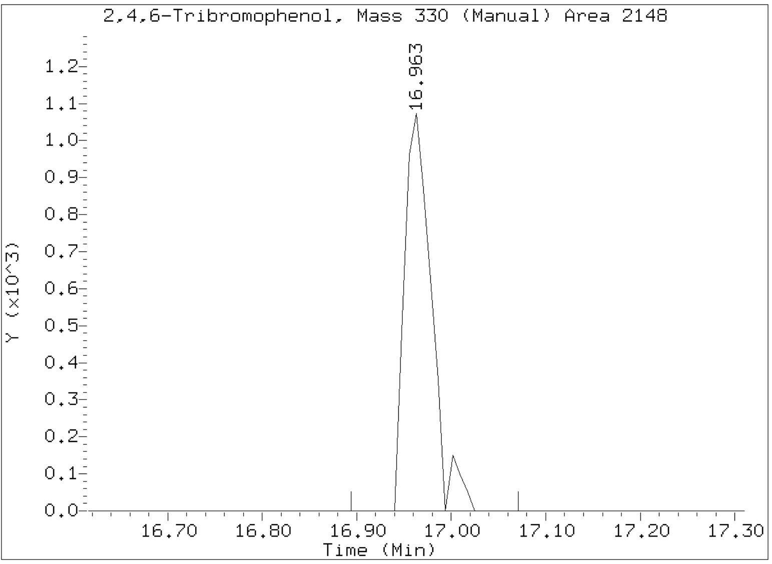

2,4-Dinitrophenol, Mass 184 (Before) Not Found


2,4-Dinitrophenol, Mass 184 (Manual) Area 62


4-Nitrophenol, Mass 109 (Before) Area 959


4-Nitrophenol, Mass 109 (Manual) Area 1904

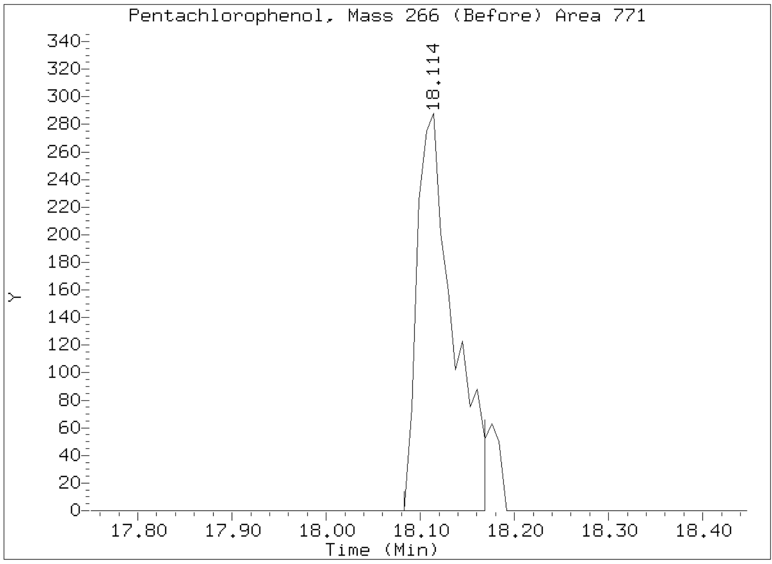

2,4,6-Tribromophenol, Mass 330 (Before) Area 2008

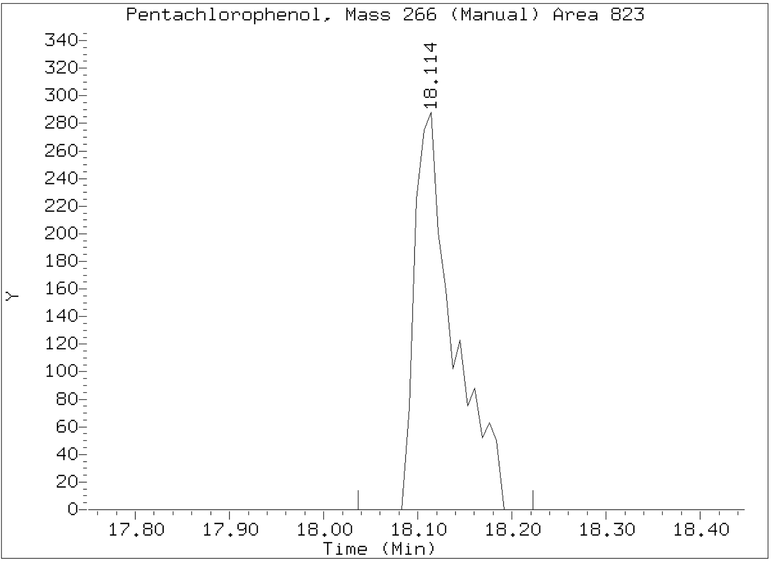

2,4,6-Tribromophenol, Mass 330 (Manual) Area 2148

Quant Ion Manual Peak Adjustment Report

Datafile: //target/share/chem3/nt14.i/20221230B.b/NT1422123051.D
Injection Date: 31-DEC-2022 14:29
Lab ID:SKL0355-LCV1 Client ID:
Report Date: 01/04/2023 12:20

REVIEWED
By Brian Bebee
01/07/2023 @ 06:32 PM





LOW-CONCENTRATION CALIBRATION VERIFICATION

EPA 8270E

Laboratory: Analytical Resources, LLC
SDG: 22L0307
Client: Anchor QEA, LLC
Project: AOC4 UR Phase 3
Calibration: FL00066
Laboratory ID: SKL0355-LCV2
Sequence: SKL0355
Standard ID: K011106

ANALYTE	EXPECTED (ug/mL)	FOUND (ug/mL)	% DRIFT	QC LIMIT
Phenol	0.50000	0.5	-3.7	50.00
bis(2-chloroethyl) ether	0.50000	0.5	-3.0	50.00
2-Chlorophenol	0.50000	0.5	1.1	50.00
1,3-Dichlorobenzene	0.50000	0.5	-1.0	50.00
1,4-Dichlorobenzene	0.50000	0.5	-1.5	50.00
1,2-Dichlorobenzene	0.50000	0.5	-3.2	50.00
Benzyl Alcohol	0.50000	0.4	-24.2	50.00
2,2'-Oxybis(1-chloropropane)	0.50000	0.5	-7.7	50.00
2-Methylphenol	0.50000	0.5	-3.3	50.00
Hexachloroethane	0.50000	0.4	-25.4	50.00
N-Nitroso-di-n-Propylamine	0.50000	0.5	-6.9	50.00
4-Methylphenol	0.50000	0.5	-5.1	50.00
Nitrobenzene	0.50000	0.5	-7.2	50.00
Isophorone	0.50000	0.4	-13.7	50.00
2-Nitrophenol	0.50000	0.5	-8.8	50.00
2,4-Dimethylphenol	1.0000	1.0	-1.2	50.00
Bis(2-Chloroethoxy)methane	0.50000	0.5	-3.2	50.00
2,4-Dichlorophenol	1.0000	1.0	-0.8	50.00
1,2,4-Trichlorobenzene	0.50000	0.5	-3.7	50.00
Naphthalene	0.50000	0.5	-3.1	50.00
Benzoic acid	2.0000	0.3	-83.5	50.00
4-Chloroaniline	1.0000	0.9	-13.0	50.00
Hexachlorobutadiene	0.50000	0.5	-5.8	50.00
4-Chloro-3-Methylphenol	1.0000	1.0	-4.8	50.00
2-Methylnaphthalene	0.50000	0.5	-6.5	50.00
Hexachlorocyclopentadiene	1.0000	0.1	-89.3	50.00
2,4,6-Trichlorophenol	1.0000	0.9	-11.0	50.00
2,4,5-Trichlorophenol	1.0000	0.9	-10.1	50.00
2-Chloronaphthalene	0.50000	0.5	-2.4	50.00

LOW-CONCENTRATION
CALIBRATION VERIFICATION
EPA 8270E

Laboratory: Analytical Resources, LLC
SDG: 22L0307
Client: Anchor QEA, LLC
Project: AOC4 UR Phase 3
Calibration: FL00066
Laboratory ID: SKL0355-LCV2
Sequence: SKL0355
Standard ID: K011106

2-Nitroaniline	1.0000	0.9	-8.0	50.00
Acenaphthylene	0.50000	0.5	6.4	50.00
Dimethylphthalate	0.50000	0.5	-6.9	50.00
2,6-Dinitrotoluene	1.0000	0.9	-14.9	50.00
Acenaphthene	0.50000	0.5	-0.7	50.00
3-Nitroaniline	1.0000	0.8	-20.0	50.00
2,4-Dinitrophenol	2.0000	0.1	-92.8	50.00
Dibenzofuran	0.50000	0.5	-1.5	50.00
4-Nitrophenol	1.0000	0.6	-35.2	50.00
2,4-Dinitrotoluene	1.0000	0.8	-22.1	50.00
Fluorene	0.50000	0.5	-3.3	50.00
4-Chlorophenylphenyl ether	0.50000	0.5	-8.3	50.00
Diethyl phthalate	0.50000	0.5	7.5	50.00
4-Nitroaniline	1.0000	0.8	-20.7	50.00
4,6-Dinitro-2-methylphenol	2.0000	0.8	-62.2	50.00
N-Nitrosodiphenylamine	0.50000	0.5	2.3	50.00
4-Bromophenyl phenyl ether	0.50000	0.5	-1.9	50.00
Hexachlorobenzene	0.50000	0.5	-2.0	50.00
Pentachlorophenol	1.0000	0.2	-77.5	50.00
Phenanthrene	0.50000	0.5	-2.3	50.00
Anthracene	0.50000	0.5	-6.3	50.00
Carbazole	0.50000	0.5	-7.8	50.00
Di-n-Butylphthalate	0.50000	0.4	-14.3	50.00
Fluoranthene	0.50000	0.5	-7.1	50.00
Pyrene	0.50000	0.5	-6.4	50.00
Butylbenzylphthalate	0.50000	0.4	-11.3	50.00
Benzo(a)anthracene	0.50000	0.5	-3.0	50.00
3,3'-Dichlorobenzidine	1.5000	1.5	-1.4	50.00
Chrysene	0.50000	0.5	-2.0	50.00
bis(2-Ethylhexyl)phthalate	0.50000	0.5	-5.9	50.00
Di-n-Octylphthalate	0.50000	0.5	-2.4	50.00

LOW-CONCENTRATION CALIBRATION VERIFICATION

EPA 8270E

Laboratory: Analytical Resources, LLC

Client: Anchor QEA, LLC

Calibration: FL00066

Sequence: SKL0355

SDG: 22L0307

Project: AOC4 UR Phase 3

Laboratory ID: SKL0355-LCV2

Standard ID: K011106

Benzofluoranthenes, Total	1.0000	1.0	2.2	50.00
Benzo(a)pyrene	0.50000	0.5	0.3	50.00
Indeno(1,2,3-cd)pyrene	0.50000	0.3	-35.3	50.00
Dibenzo(a,h)anthracene	0.50000	0.3	-34.1	50.00
Benzo(g,h,i)perylene	0.50000	0.3	-46.5	50.00
1-Methylnaphthalene	0.50000	0.5	-4.7	50.00
2-Fluorophenol	0.75000	0.711	-5.2	50.00
Phenol-d5	0.75000	0.658	-12.3	50.00
2-Chlorophenol-d4	0.75000	0.686	-8.5	50.00
1,2-Dichlorobenzene-d4	0.50000	0.471	-5.9	50.00
Nitrobenzene-d5	0.50000	0.460	-8.0	50.00
2-Fluorobiphenyl	0.50000	0.474	-5.1	50.00
2,4,6-Tribromophenol	0.75000	0.536	-28.6	50.00
p-Terphenyl-d14	0.50000	0.454	-9.2	50.00

* Values outside of QC limits

Data File: \\target\share\chem3\nt14.i\20221230B.b\NT1422123052.D

Date : 31-DEC-2022 15:05

Client ID:

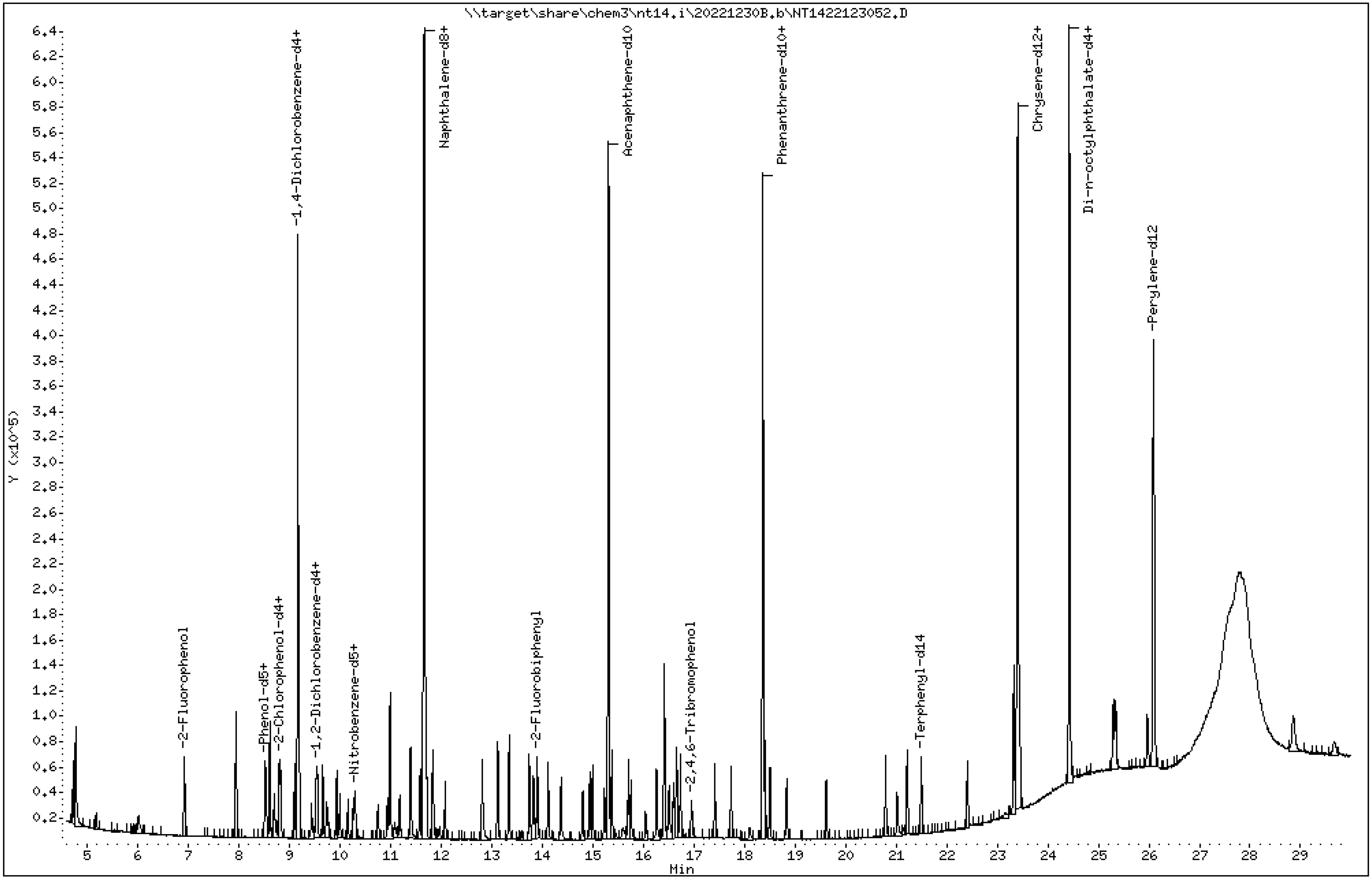
Sample Info: SKL0356-LCV2

Instrument: nt14.i

Operator: VTS

Column phase: ZB-5msi

Column diameter: 0.25



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Date : 31-DEC-2022 15:05

Client ID:

Instrument: nt14.i

Sample Info: SKL0356-LCV2

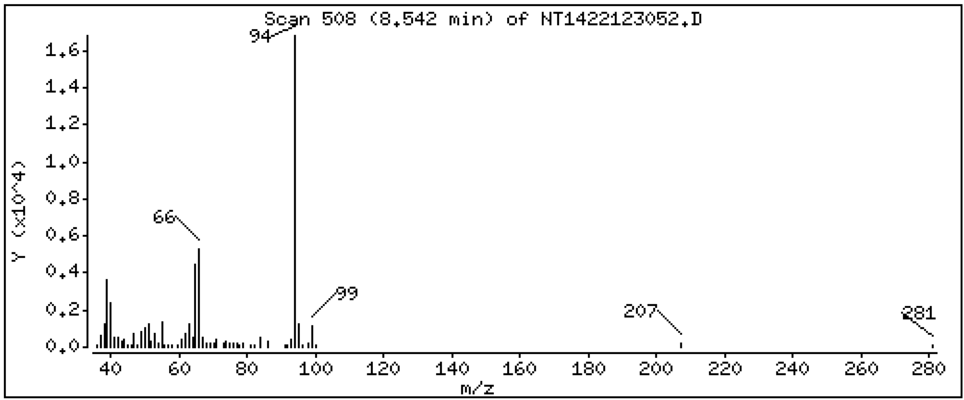
Operator: VTS

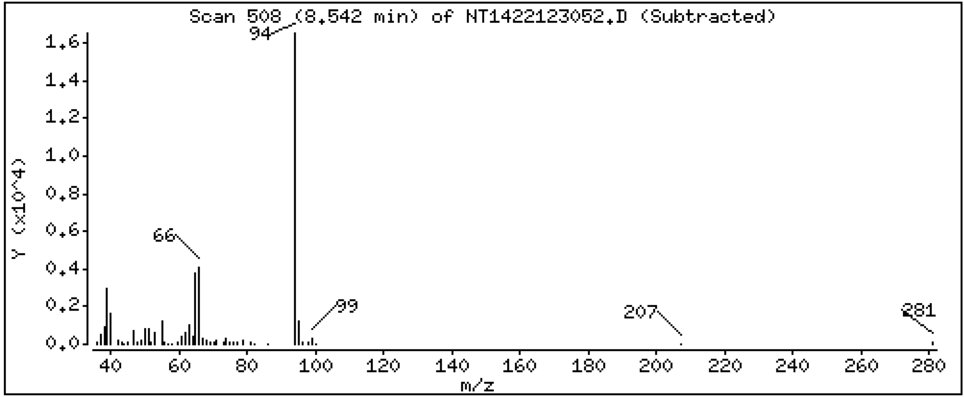
Column phase: ZB-5msi

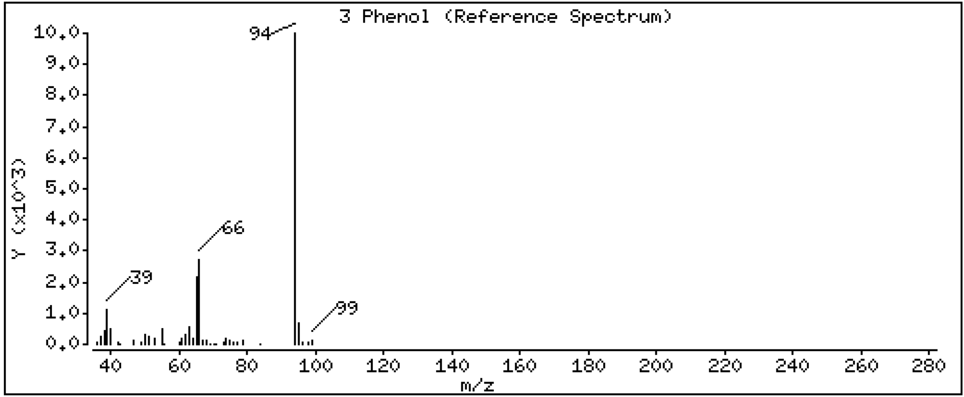
Column diameter: 0.25

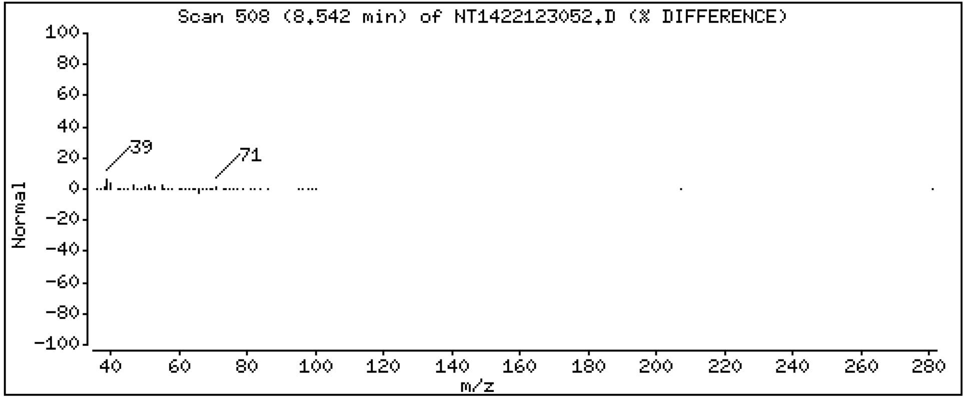
3 Phenol

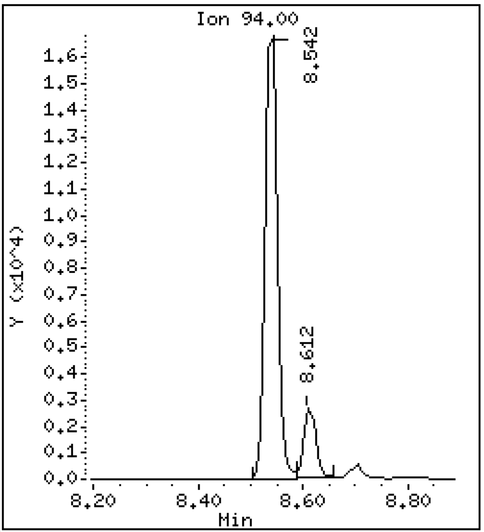
Concentration: 0.4814 ug/mL

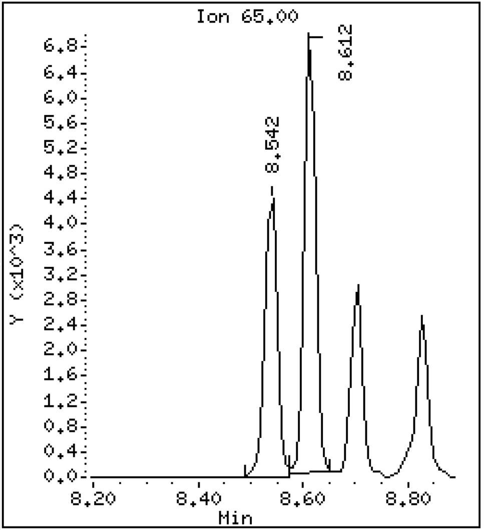


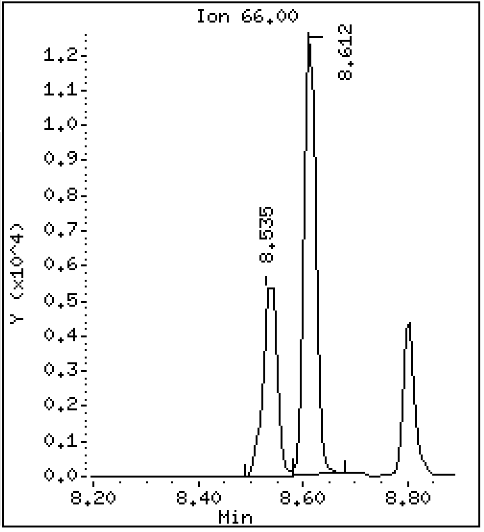












Date : 31-DEC-2022 15:05

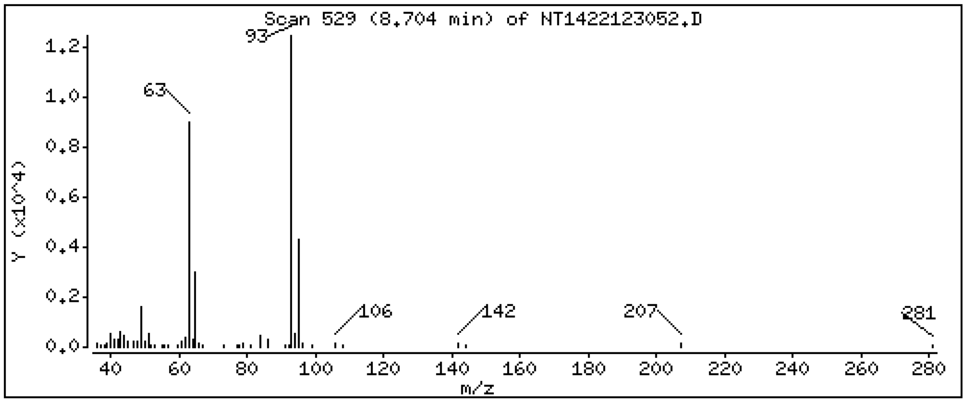
Client ID: Instrument: nt14.i

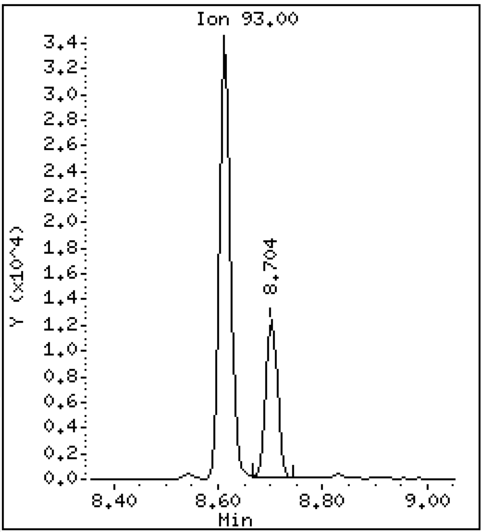
Sample Info: SKL0356-LCV2

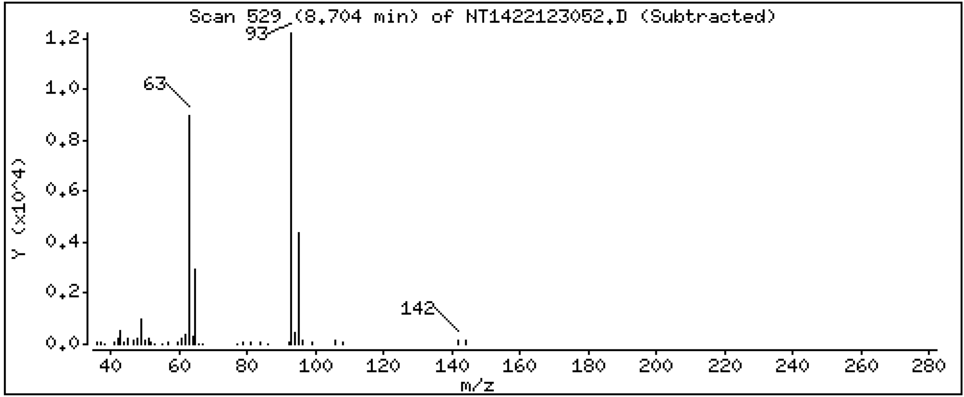
Operator: VTS

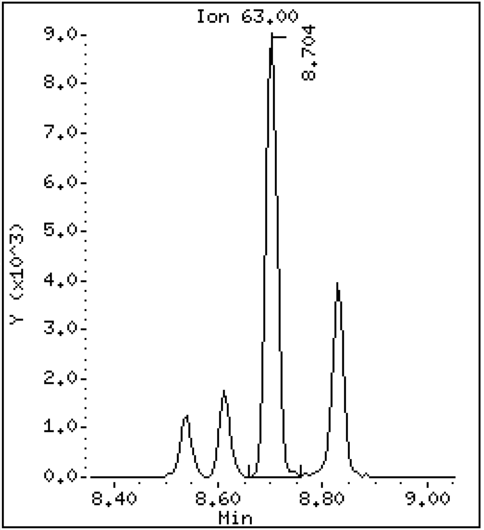
Column phase: ZB-5msi Column diameter: 0.25

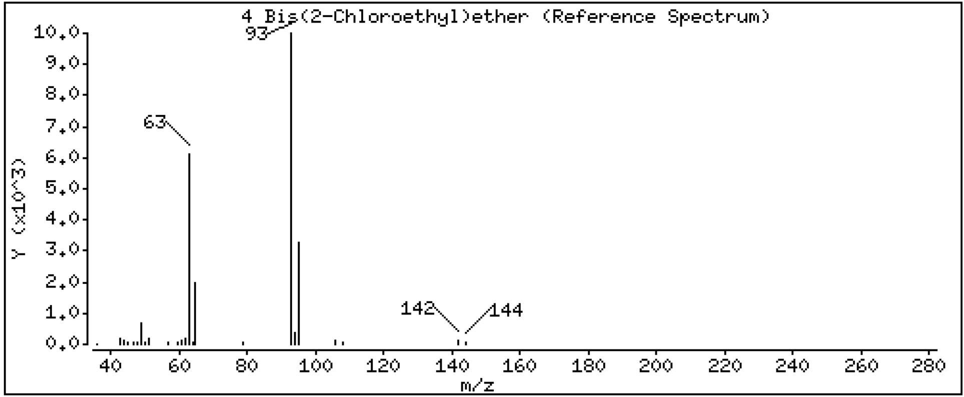
4 Bis(2-Chloroethyl)ether Concentration: 0.4852 ug/mL

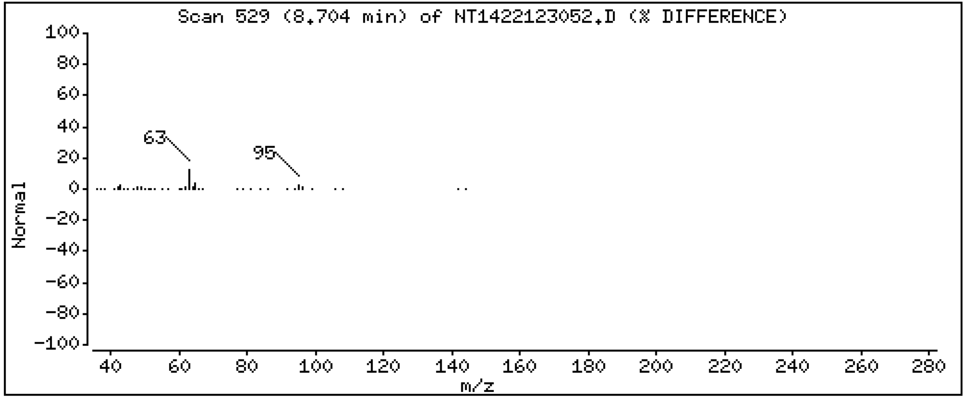


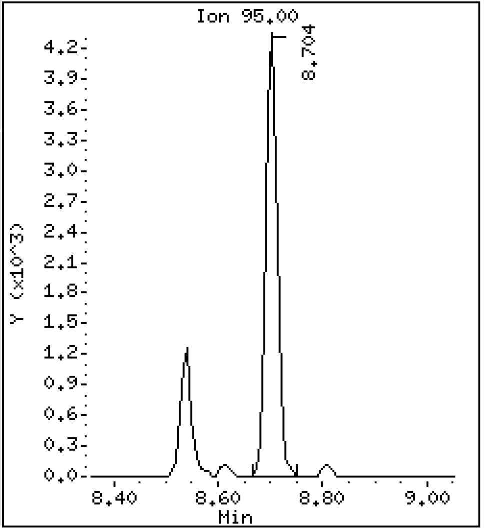












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Date : 31-DEC-2022 15:05

Client ID:

Instrument: nt14.i

Sample Info: SKL0356-LCV2

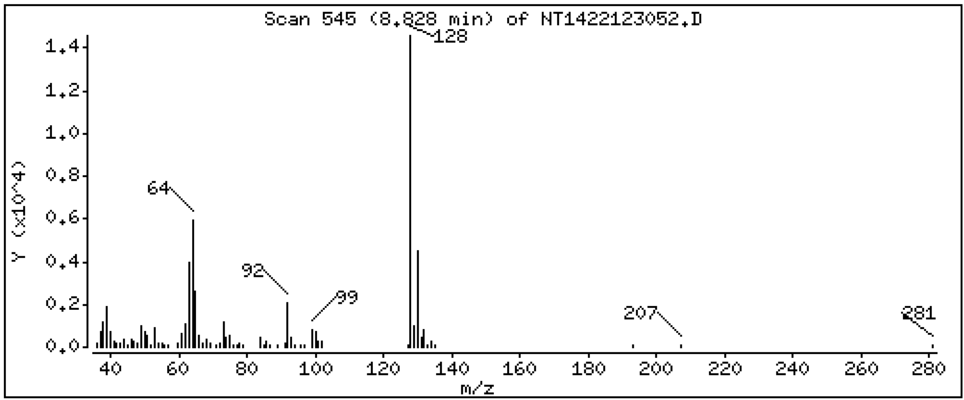
Operator: VTS

Column phase: ZB-5msi

Column diameter: 0.25

6 2-Chlorophenol

Concentration: 0.5057 ug/mL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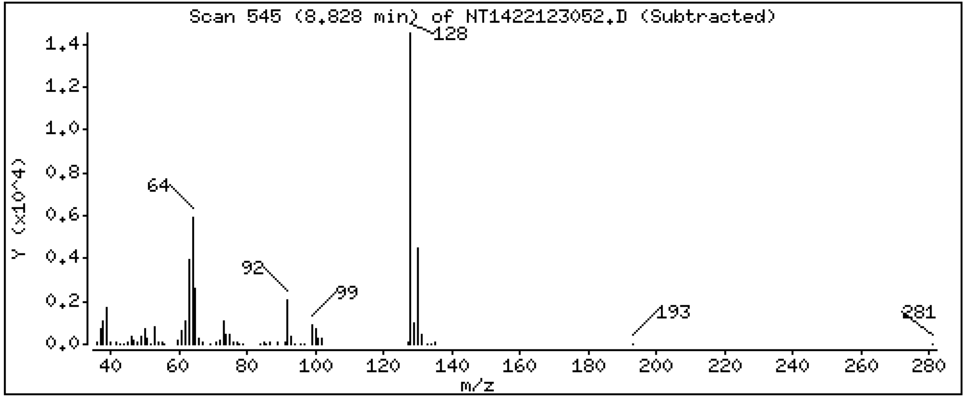
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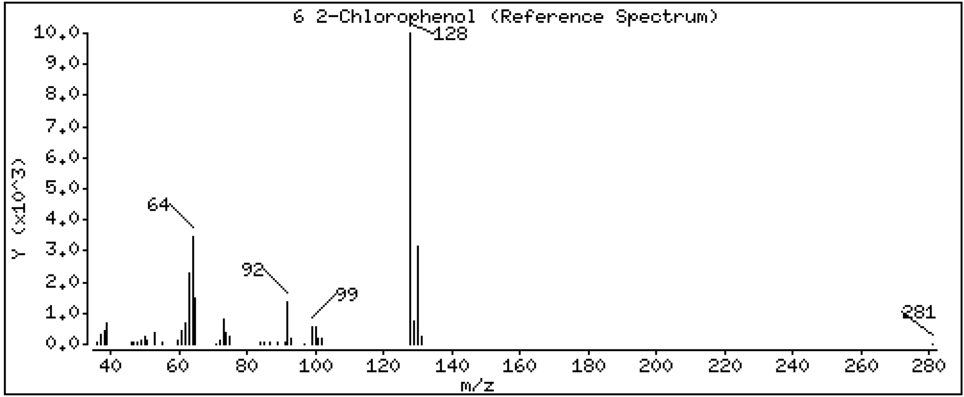
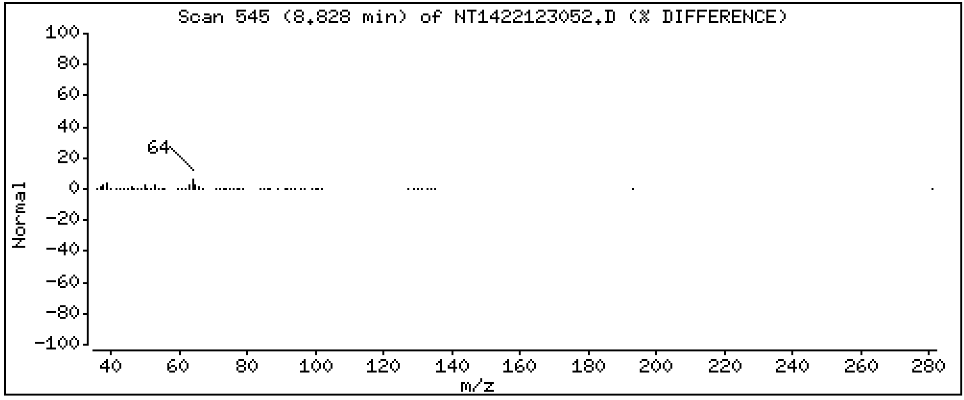

6 2-Chlorophenol (Reference Spectrum)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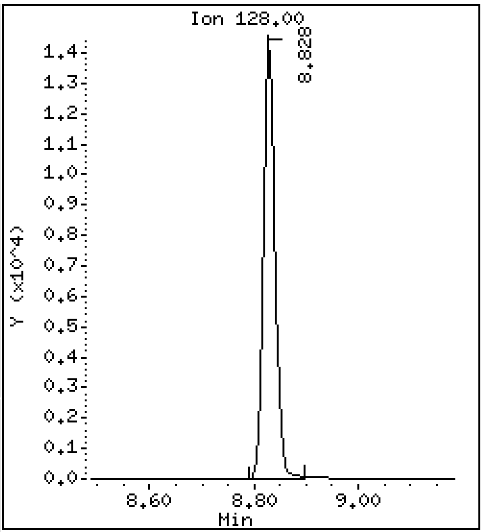
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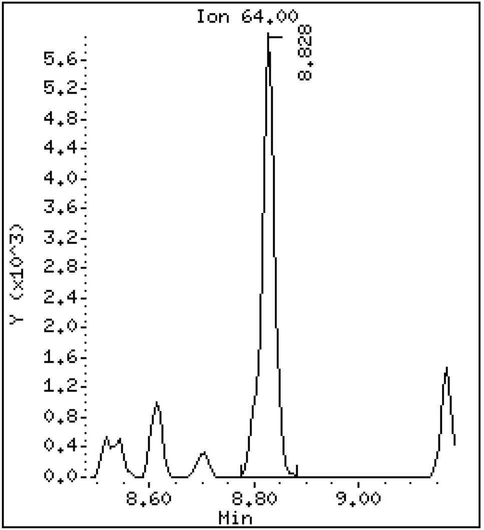
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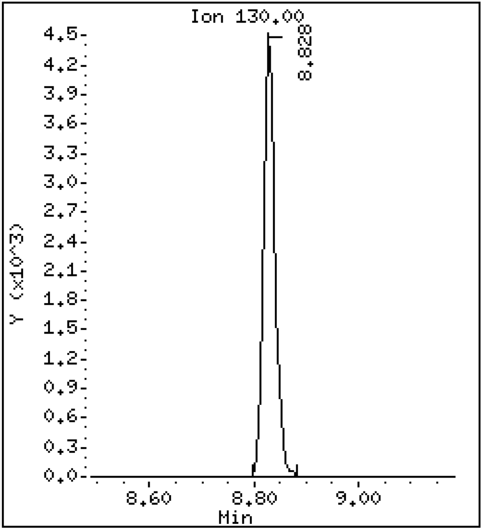

Ion 130.00

Data File: \\target\share\chem3\nt14.i\20221230B.b\NT1422123052.D

Date : 31-DEC-2022 15:05

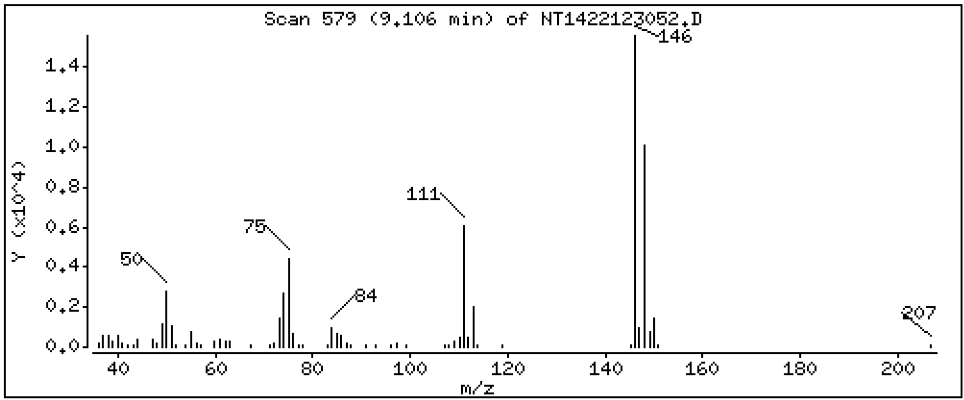
Client ID: Instrument: nt14.i

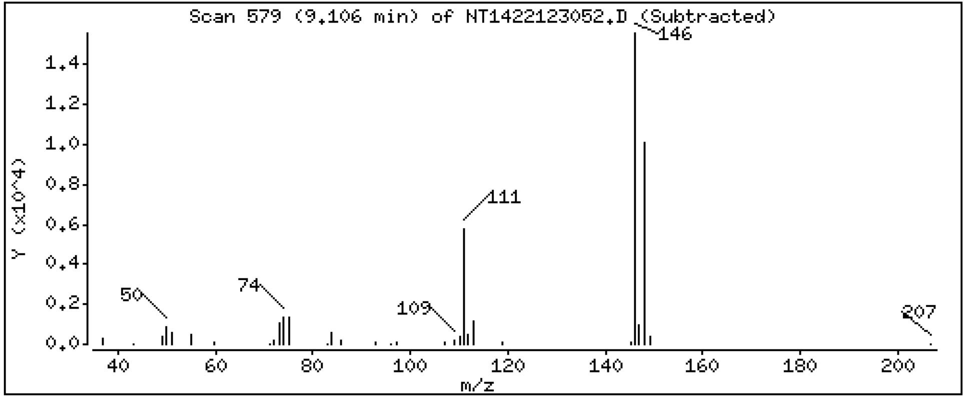
Sample Info: SKL0356-LCV2

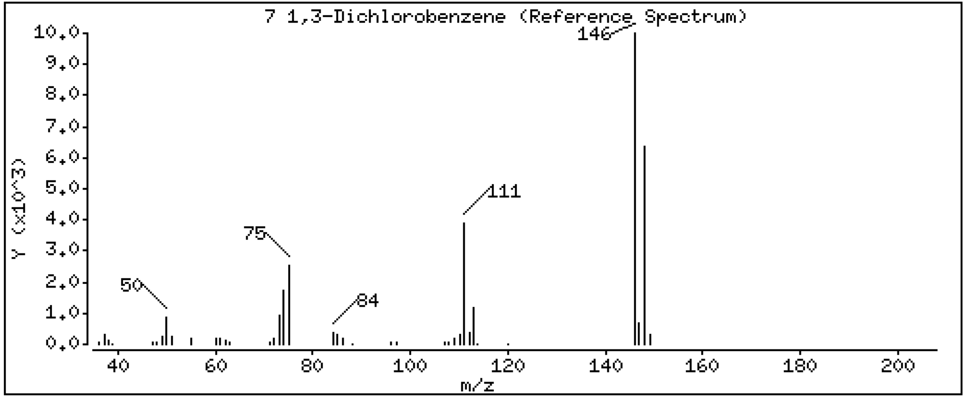
Operator: VTS

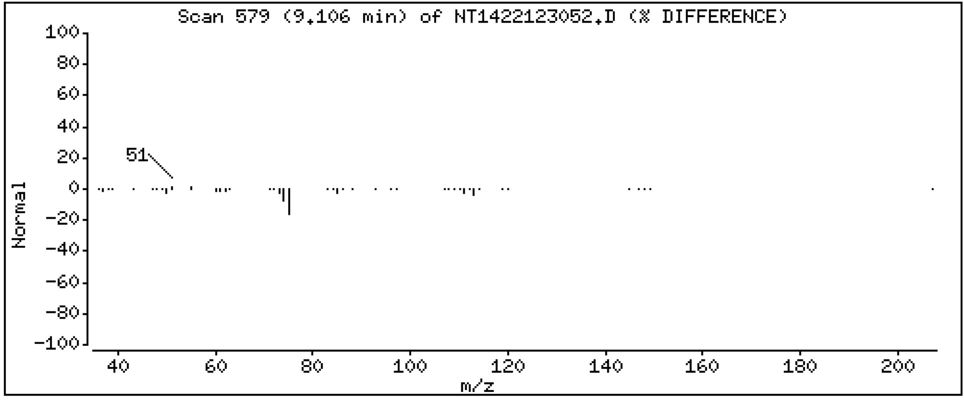
Column phase: ZB-5msi Column diameter: 0.25

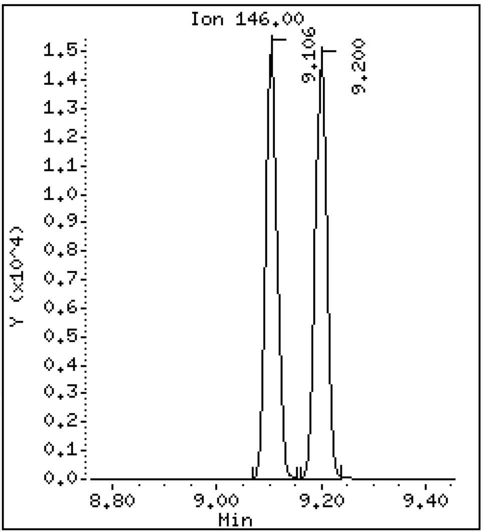
7 1,3-Dichlorobenzene Concentration: 0.4948 ug/mL

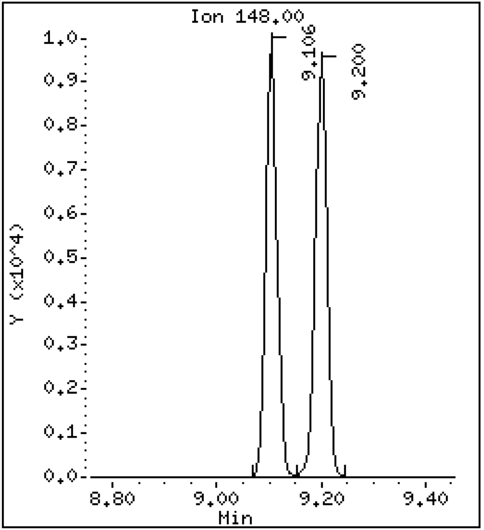


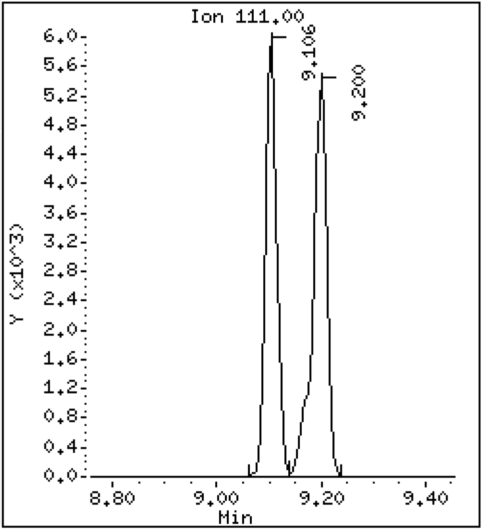












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Date : 31-DEC-2022 15:05

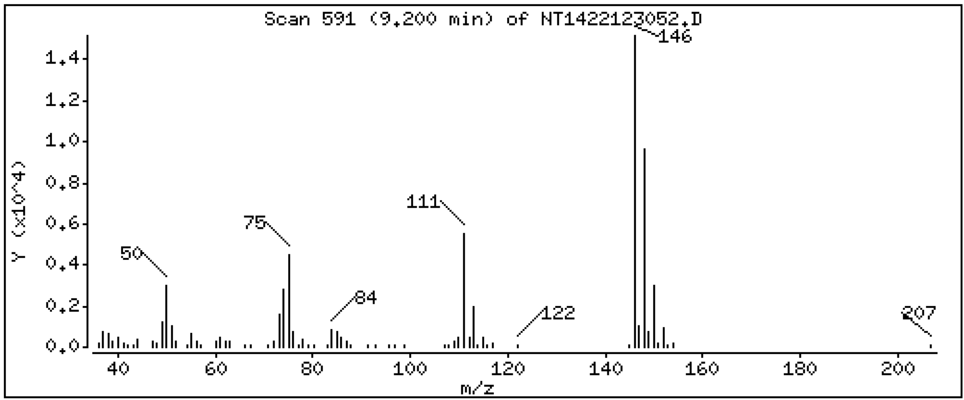
Client ID: Instrument: nt14.i

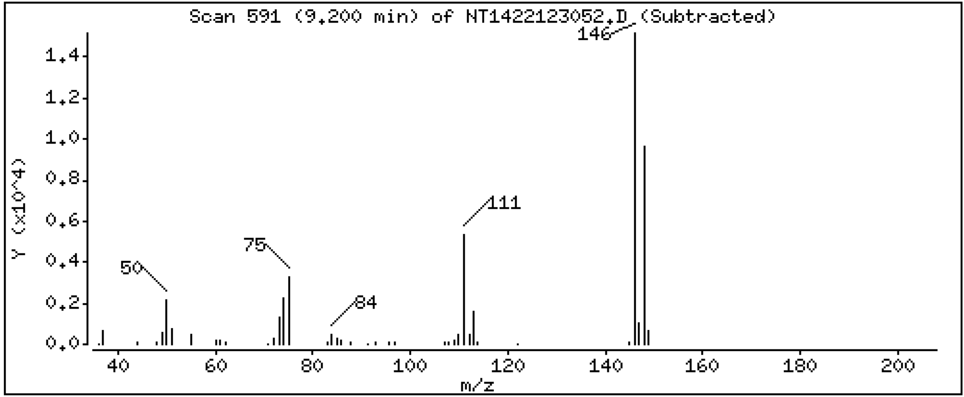
Sample Info: SKL0356-LCV2

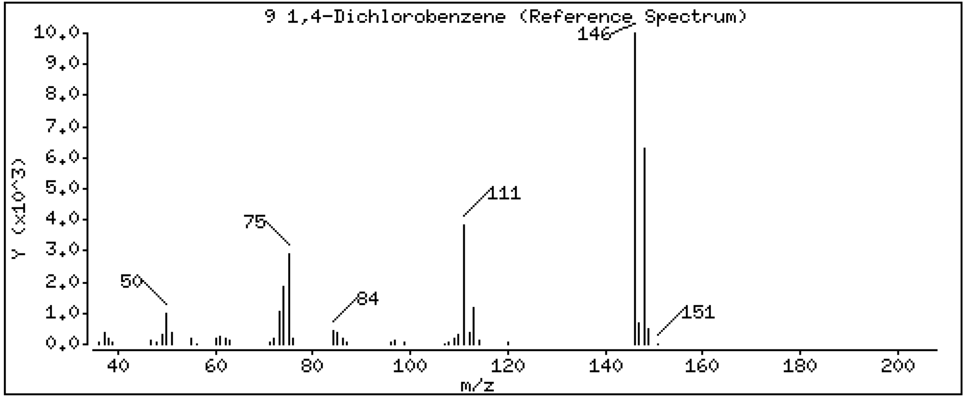
Operator: VTS

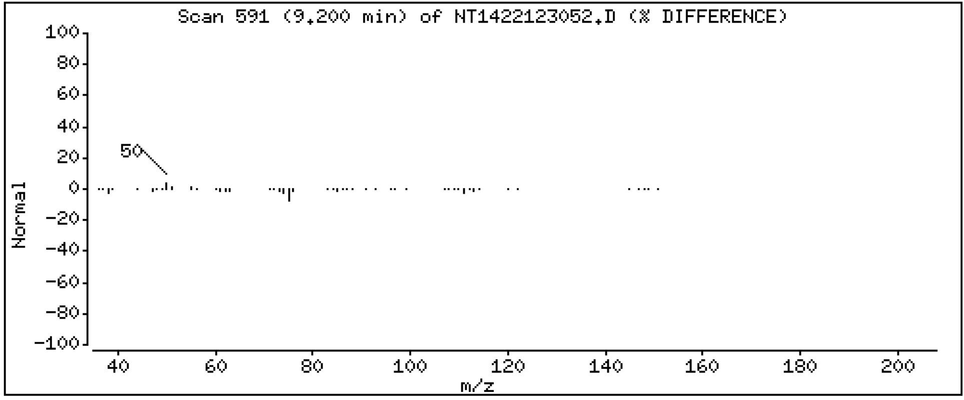
Column phase: ZB-5msi Column diameter: 0.25

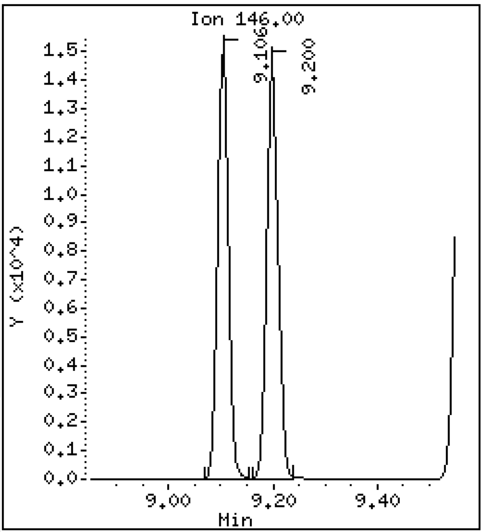
9 1,4-Dichlorobenzene Concentration: 0.4924 ug/mL

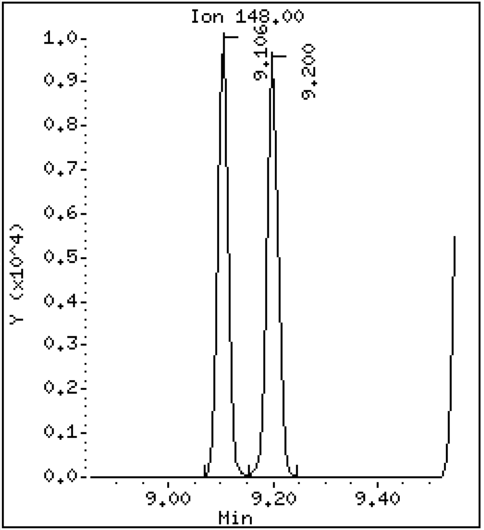


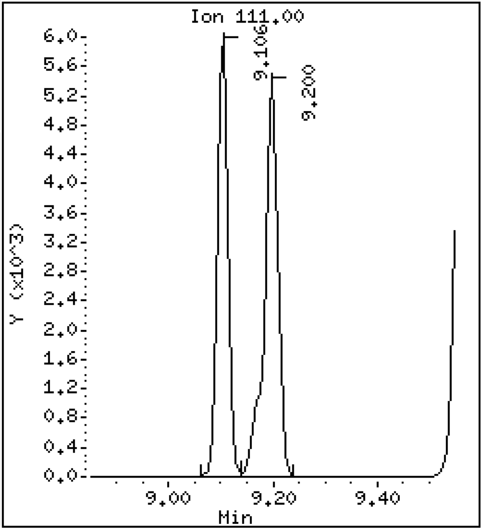












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Date : 31-DEC-2022 15:05

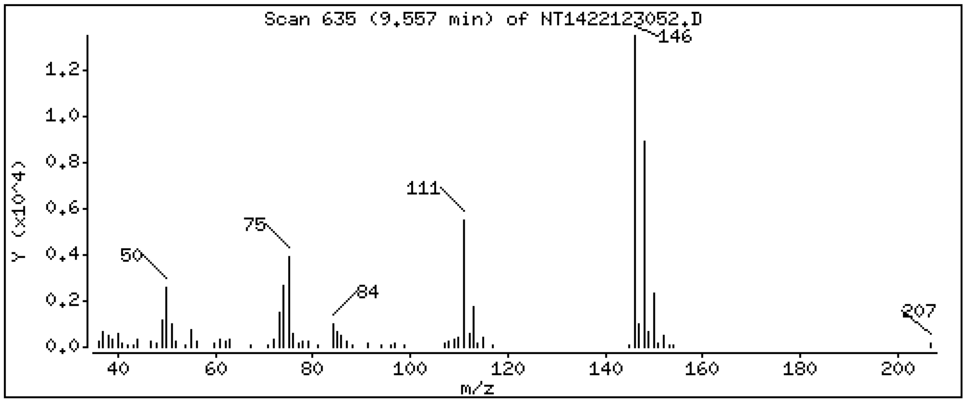
Client ID: Instrument: nt14.i

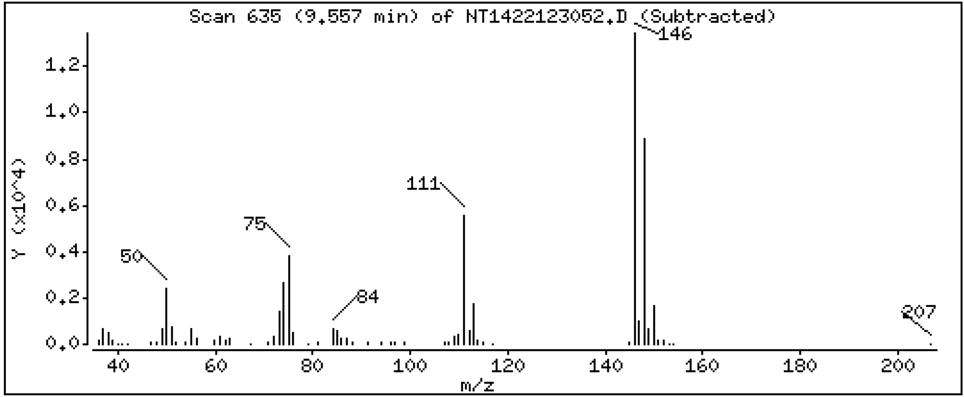
Sample Info: SKL0356-LCV2

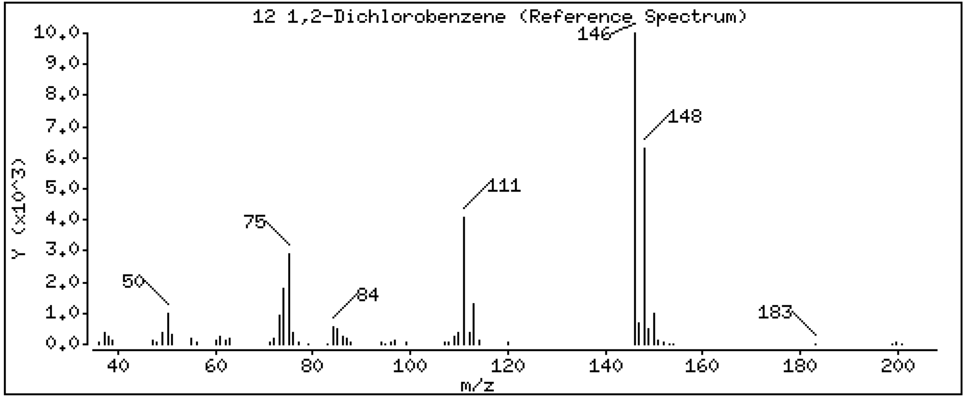
Operator: VTS

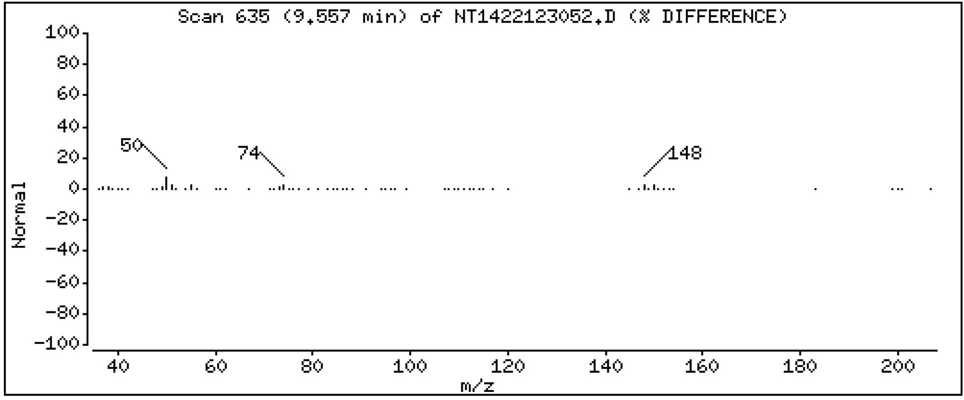
Column phase: ZB-5msi Column diameter: 0.25

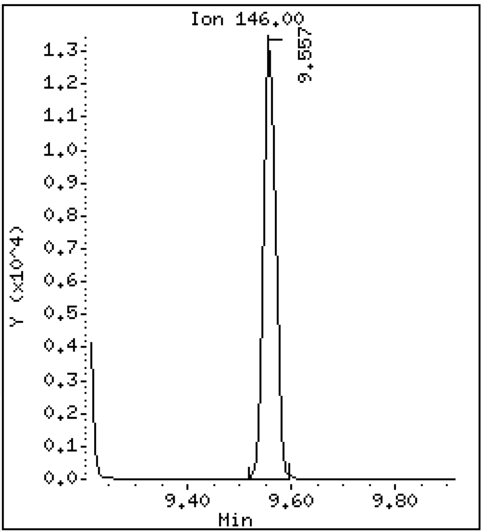
12 1,2-Dichlorobenzene Concentration: 0.4842 ug/mL


Scan 635 (9.557 min) of NT1422123052.D


Scan 635 (9.557 min) of NT1422123052.D (Subtracted)


12 1,2-Dichlorobenzene (Reference Spectrum)


Scan 635 (9.557 min) of NT1422123052.D (% DIFFERENCE)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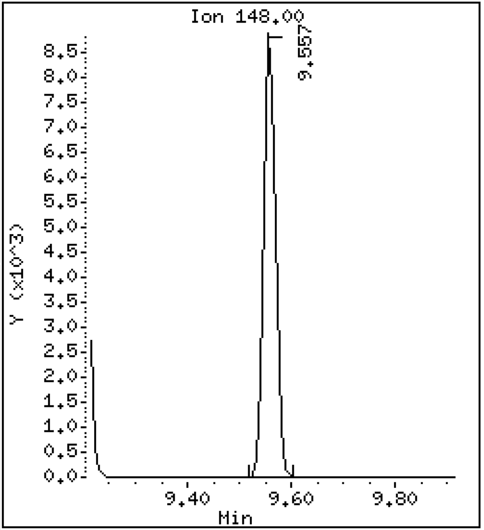
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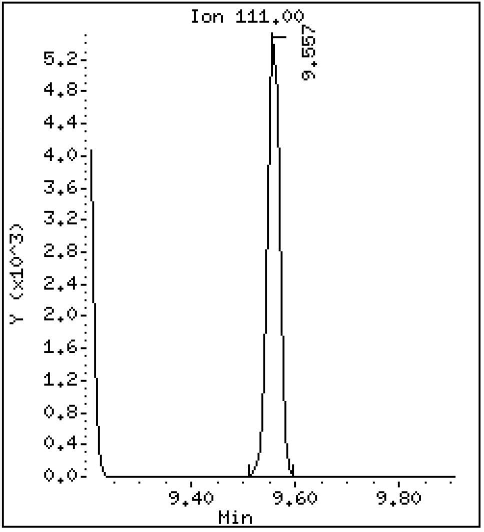
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Data File: \\target\share\chem3\nt14.i\20221230B.b\NT1422123052.D

Date : 31-DEC-2022 15:05

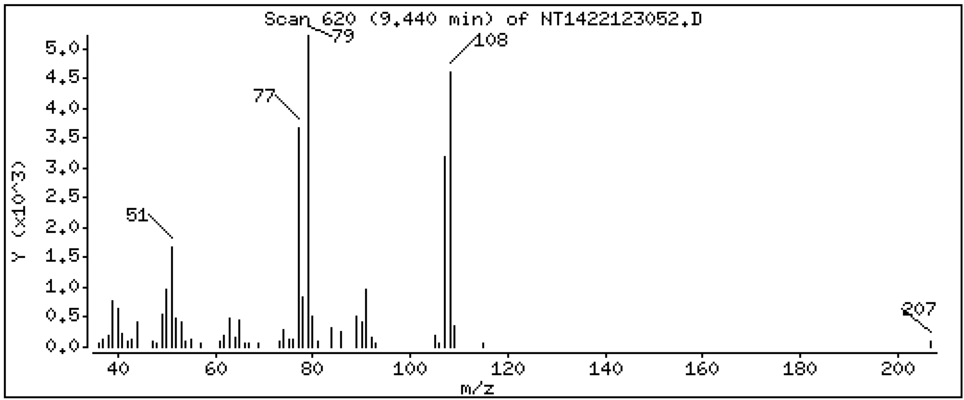
Client ID: Instrument: nt14.i

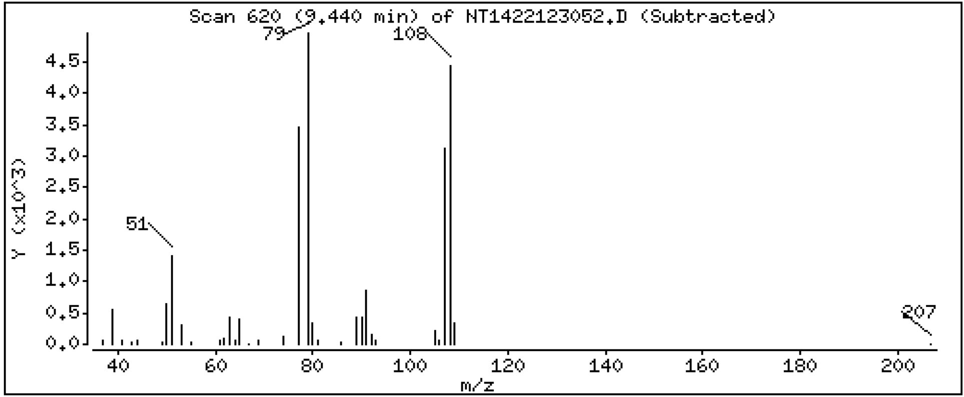
Sample Info: SKL0356-LCV2

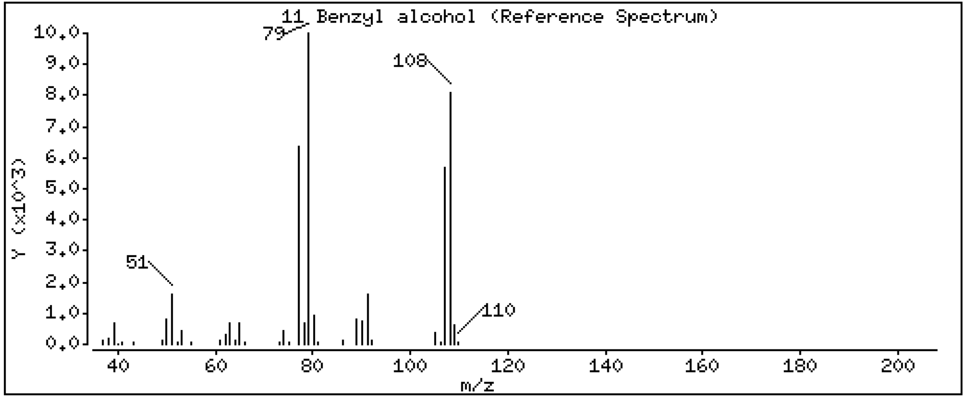
Operator: VTS

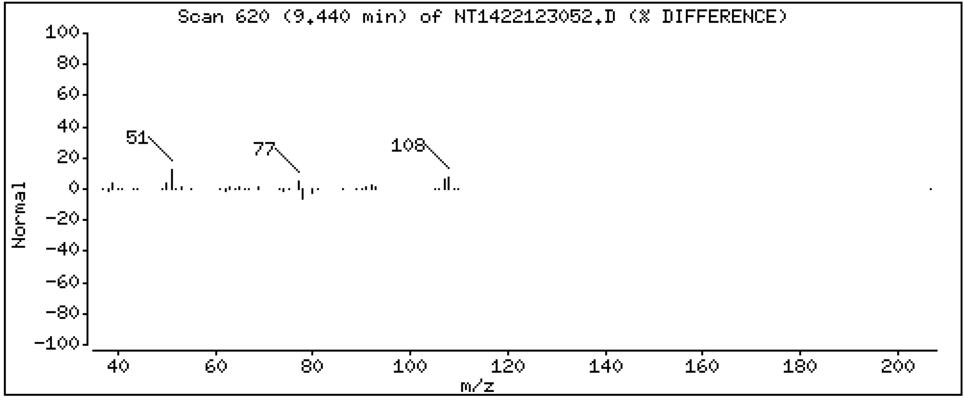
Column phase: ZB-5msi Column diameter: 0.25

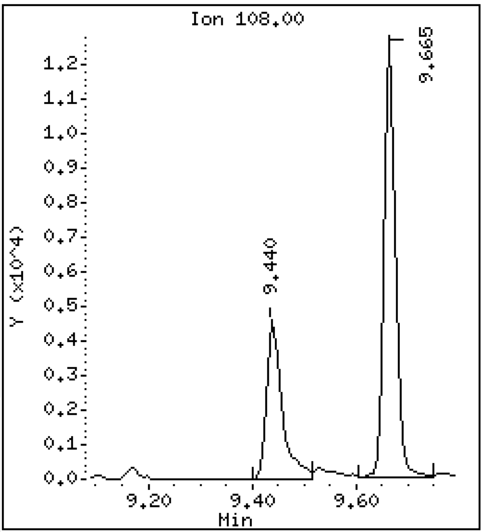
11 Benzyl alcohol Concentration: 0.3788 ug/mL


Scan 620 (9.440 min) of NT1422123052.D


Scan 620 (9.440 min) of NT1422123052.D (Subtracted)


11 Benzyl alcohol (Reference Spectrum)


Scan 620 (9.440 min) of NT1422123052.D (% DIFFERENCE)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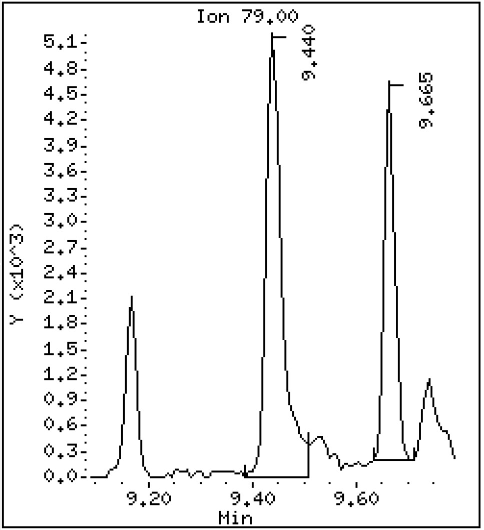
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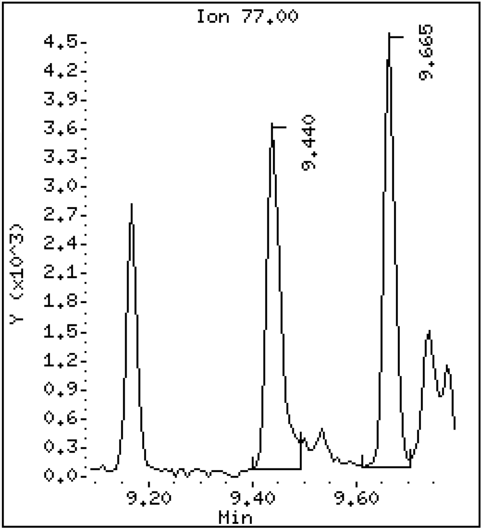
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Data File: \\target\share\chem3\nt14.i\20221230B.b\NT1422123052.D

Date : 31-DEC-2022 15:05

Client ID:

Instrument: nt14.i

Sample Info: SKL0356-LCV2

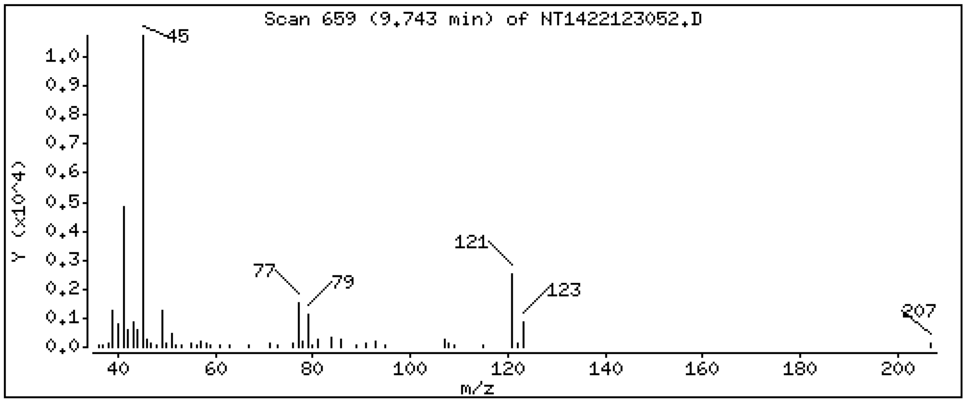
Operator: VTS

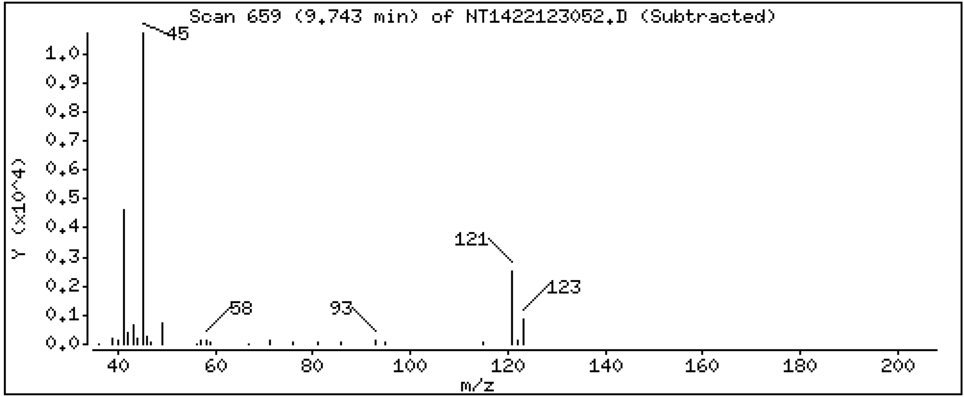
Column phase: ZB-5msi

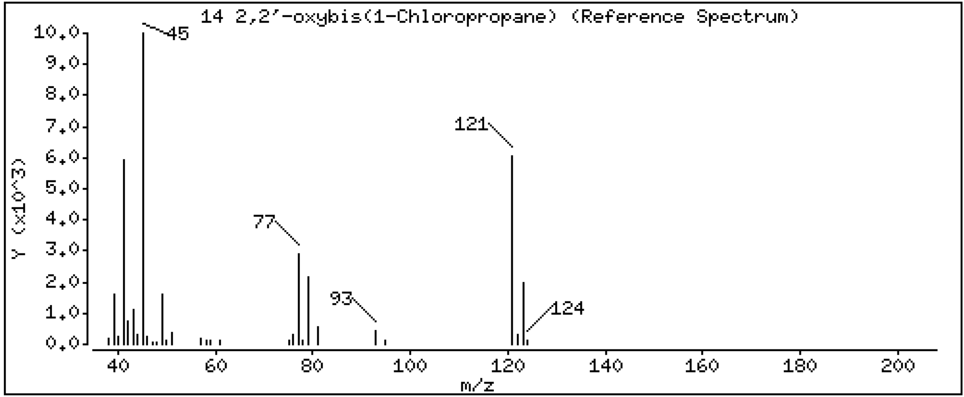
Column diameter: 0.25

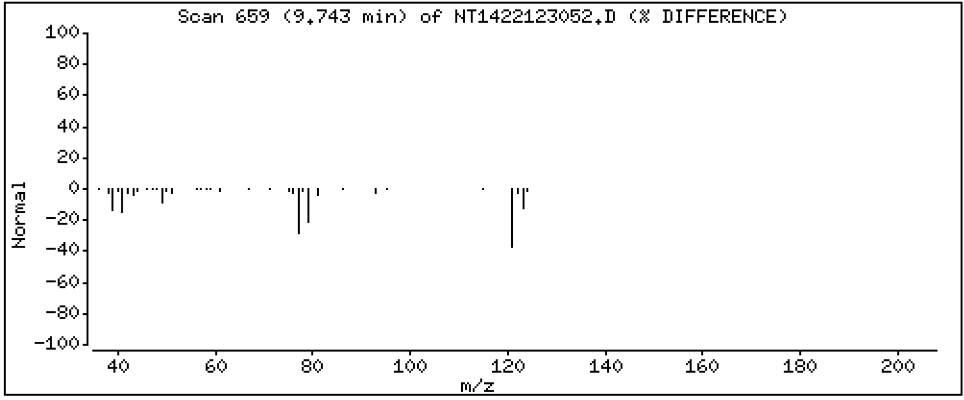
14 2,2'-oxybis(1-Chloropropane)

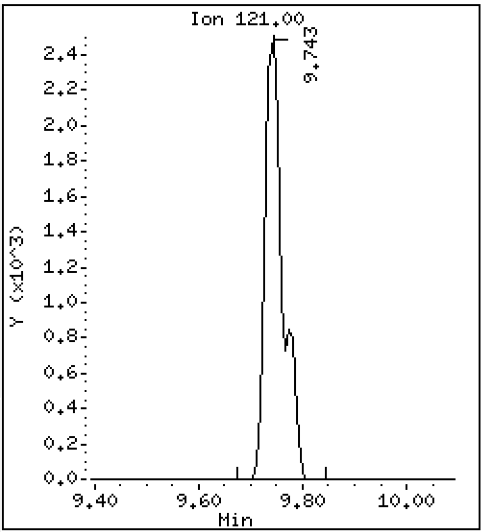
Concentration: 0.4614 ug/mL

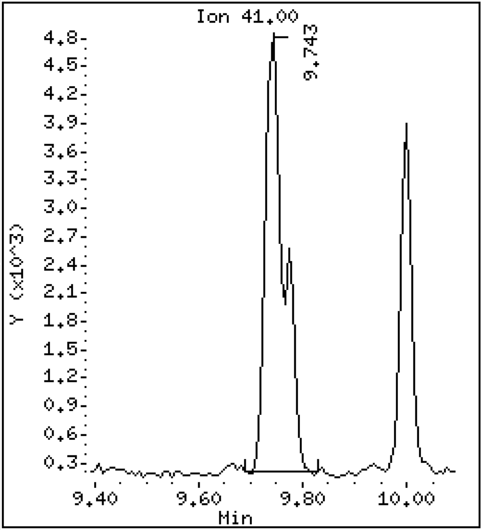


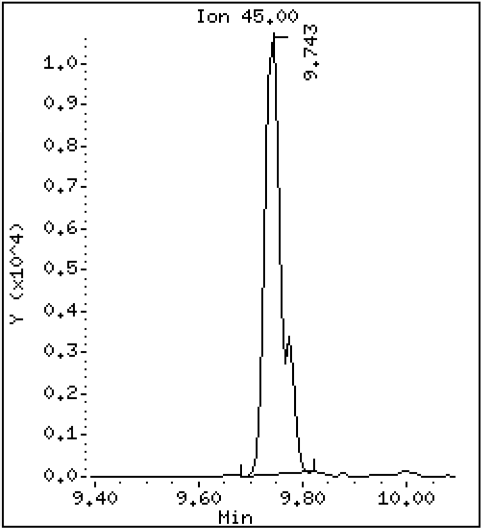












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Date : 31-DEC-2022 15:05

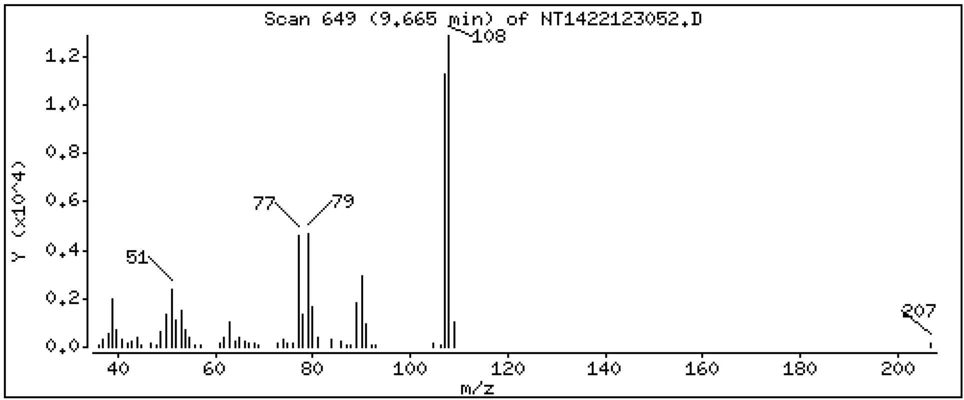
Client ID: Instrument: nt14.i

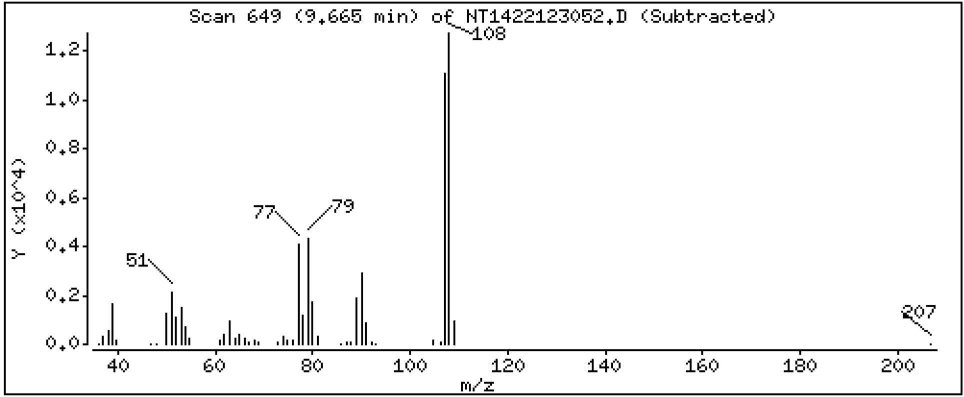
Sample Info: SKL0356-LCV2

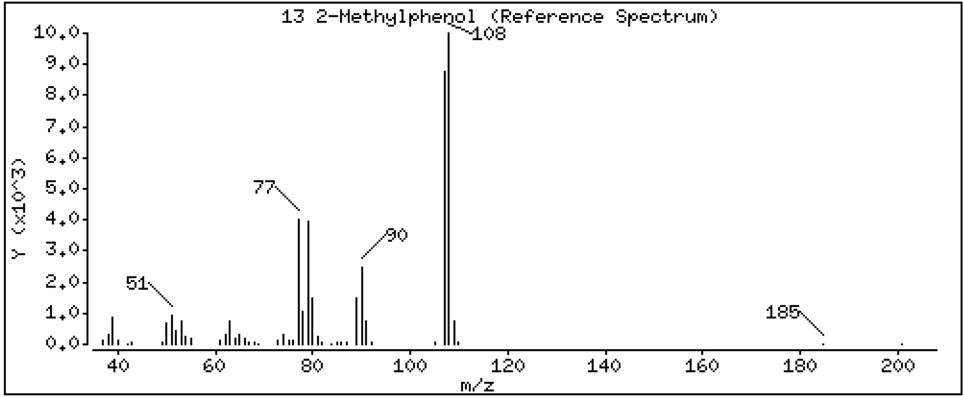
Operator: VTS

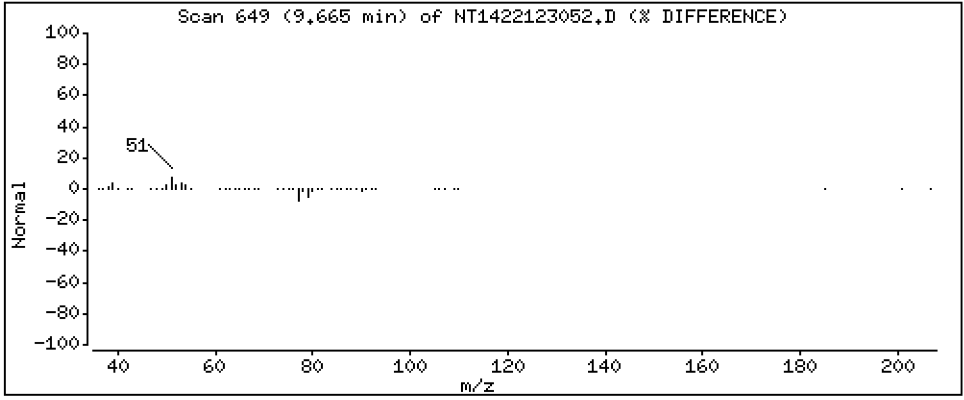
Column phase: ZB-5msi Column diameter: 0.25

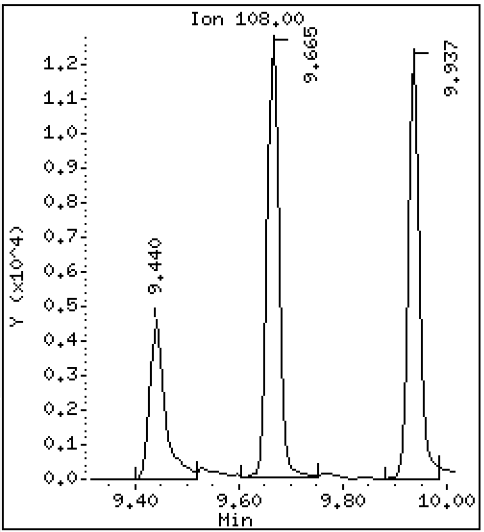
13 2-Methylphenol Concentration: 0.4833 ug/mL


Scan 649 (9.665 min) of NT1422123052.D


Scan 649 (9.665 min) of NT1422123052.D (Subtracted)


13 2-Methylphenol (Reference Spectrum)


Scan 649 (9.665 min) of NT1422123052.D (% DIFFERENCE)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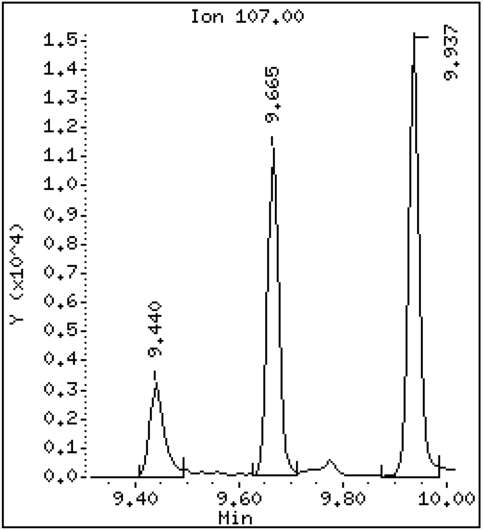
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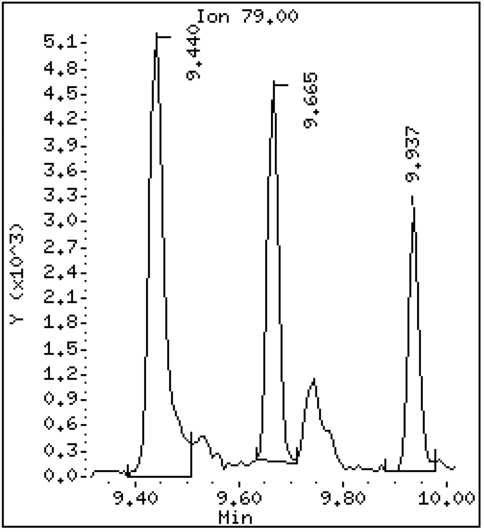

Ion 79.00

Data File: \\target\share\chem3\nt14.i\20221230B.b\NT1422123052.D

Date : 31-DEC-2022 15:05

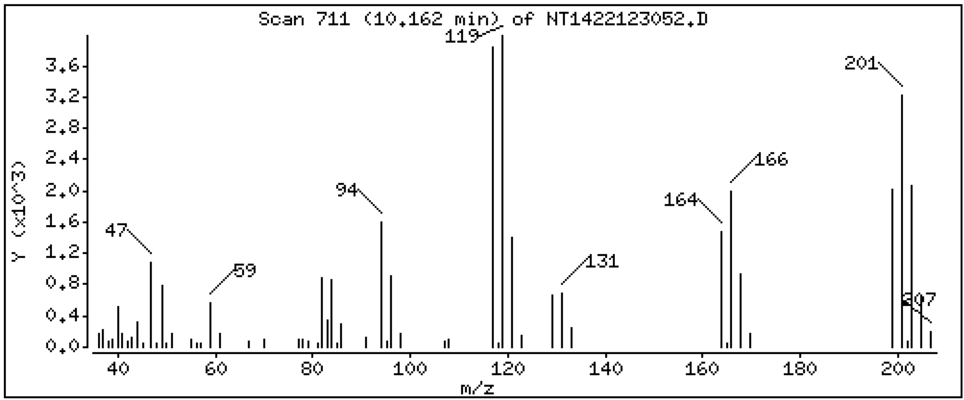
Client ID: Instrument: nt14.i

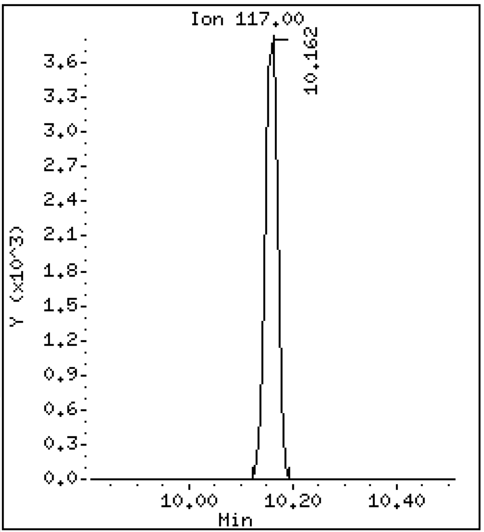
Sample Info: SKL0356-LCV2

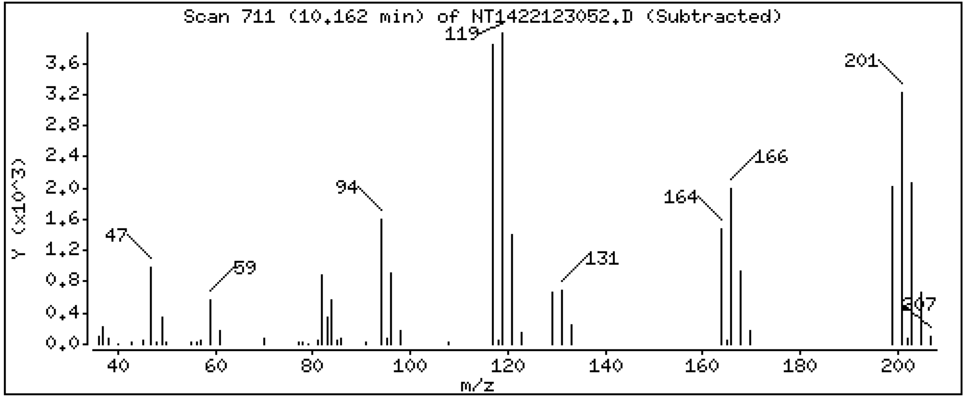
Operator: VTS

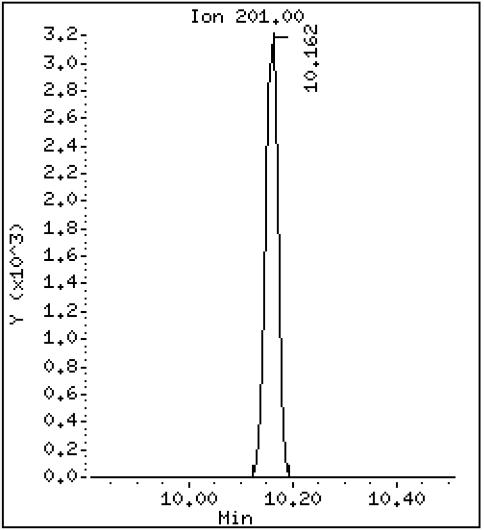
Column phase: ZB-5msi Column diameter: 0.25

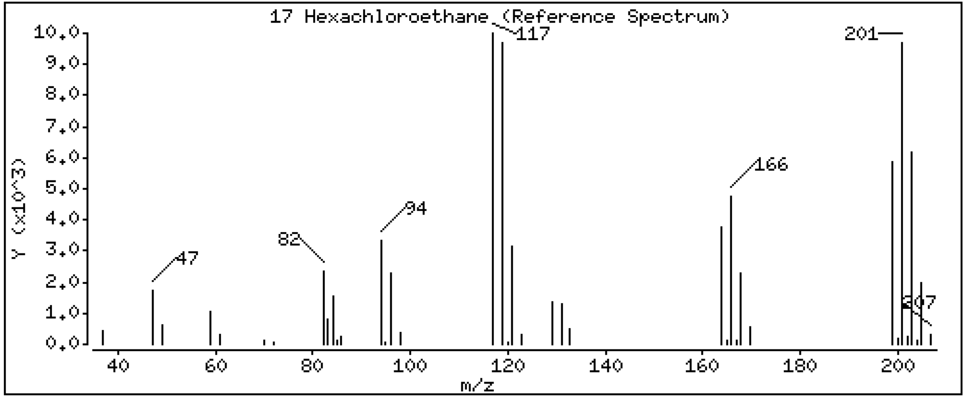
17 Hexachloroethane Concentration: 0.3728 ug/mL

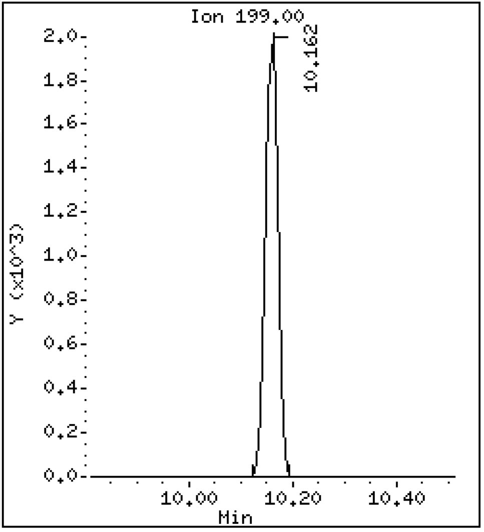


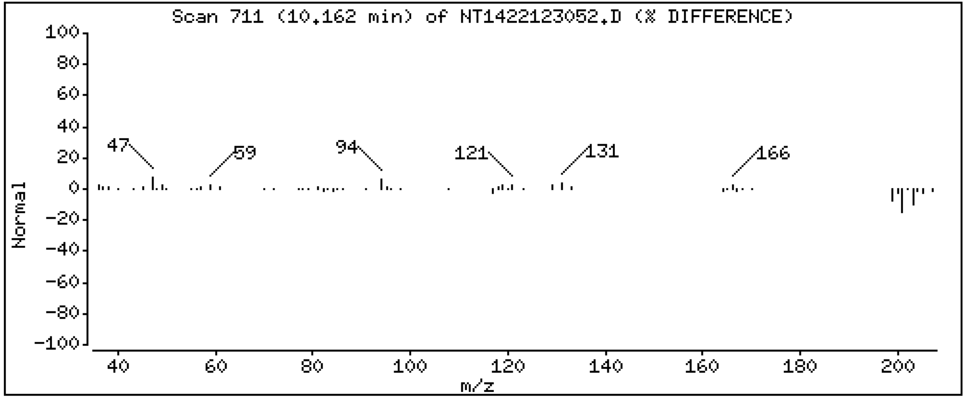












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Date : 31-DEC-2022 15:05

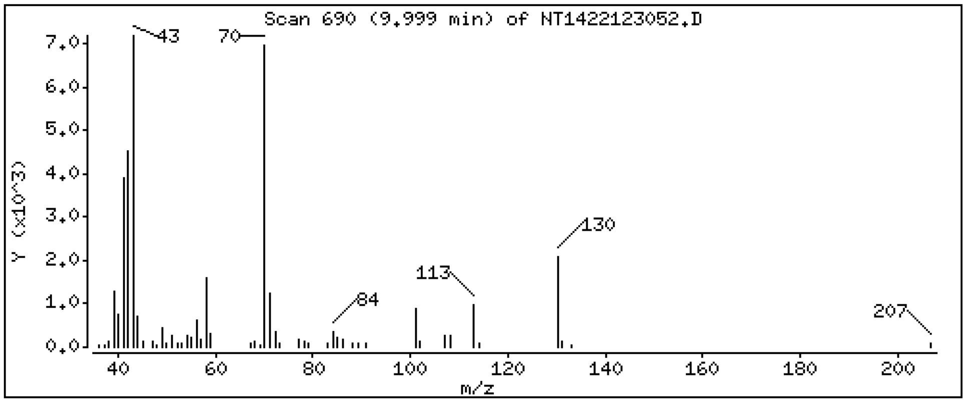
Client ID: Instrument: nt14.i

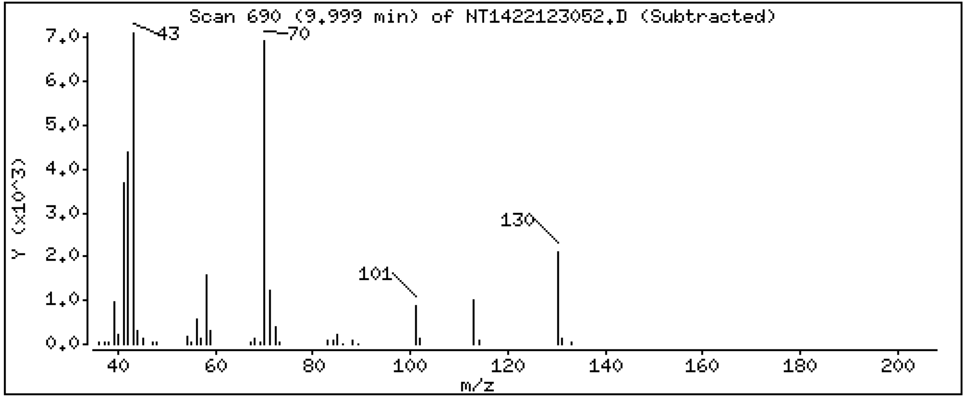
Sample Info: SKL0356-LCV2

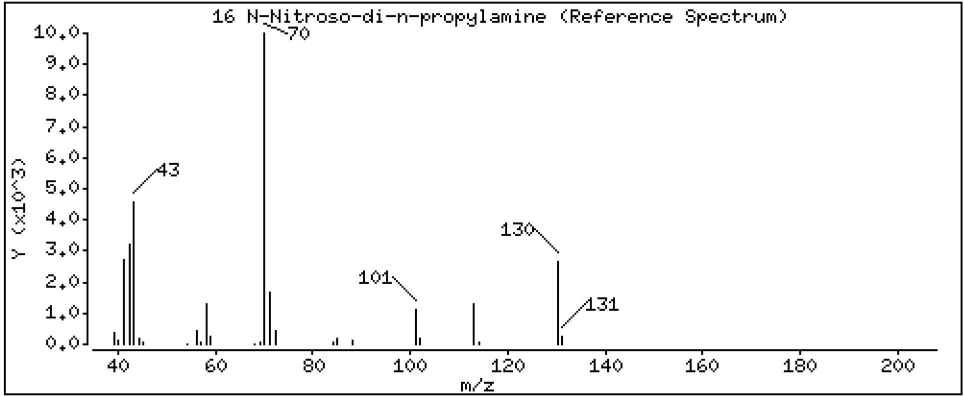
Operator: VTS

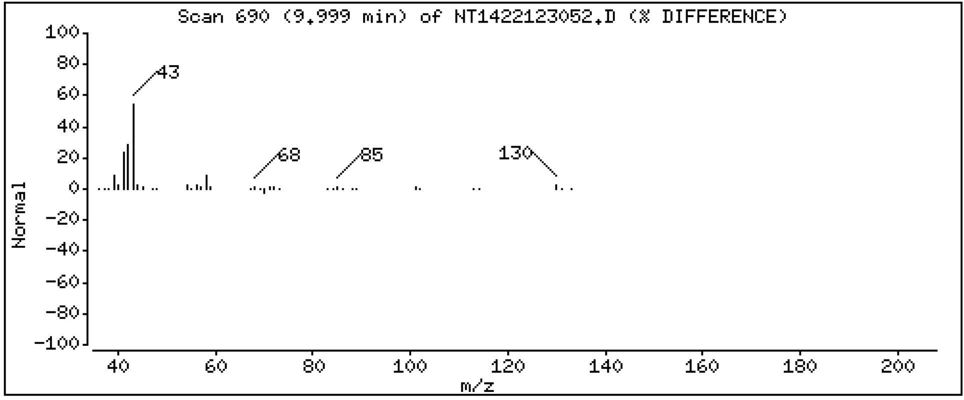
Column phase: ZB-5msi Column diameter: 0.25

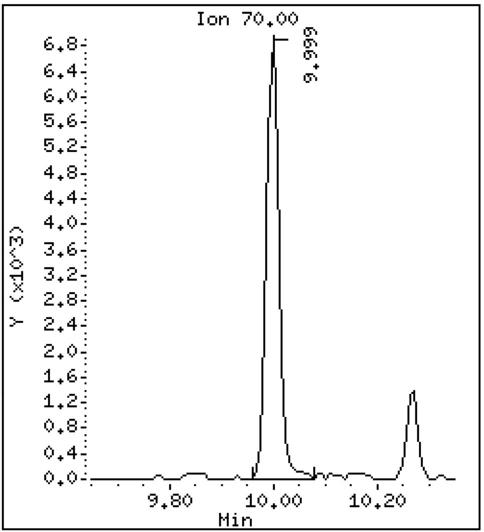
16 N-Nitroso-di-n-propylamine Concentration: 0.4654 ug/mL

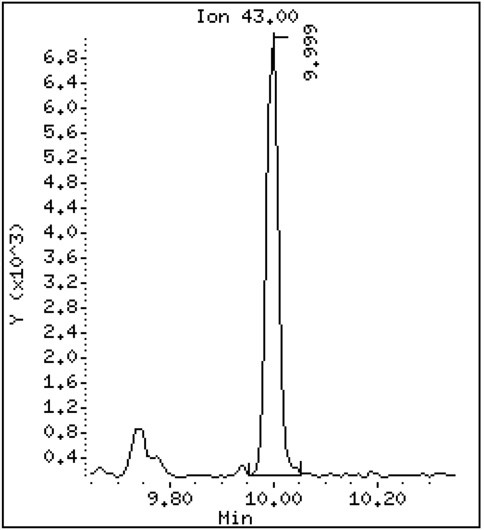


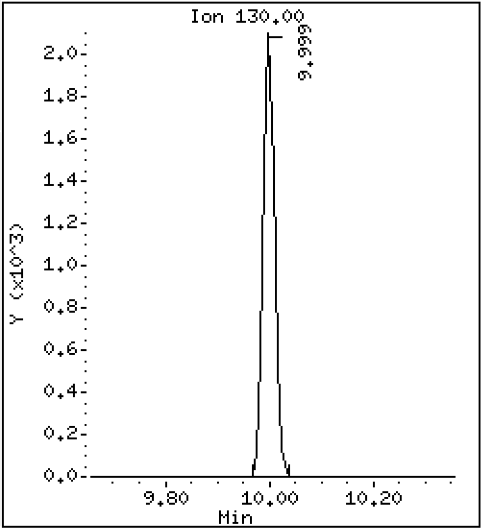












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Date : 31-DEC-2022 15:05

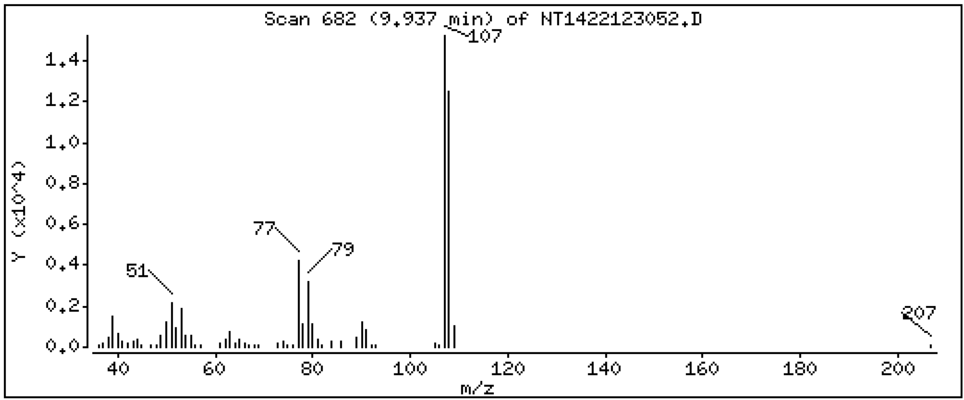
Client ID: Instrument: nt14.i

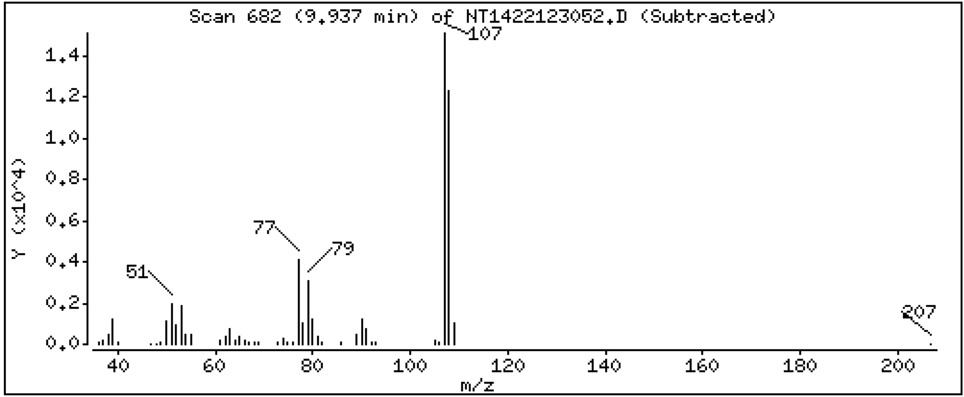
Sample Info: SKL0356-LCV2

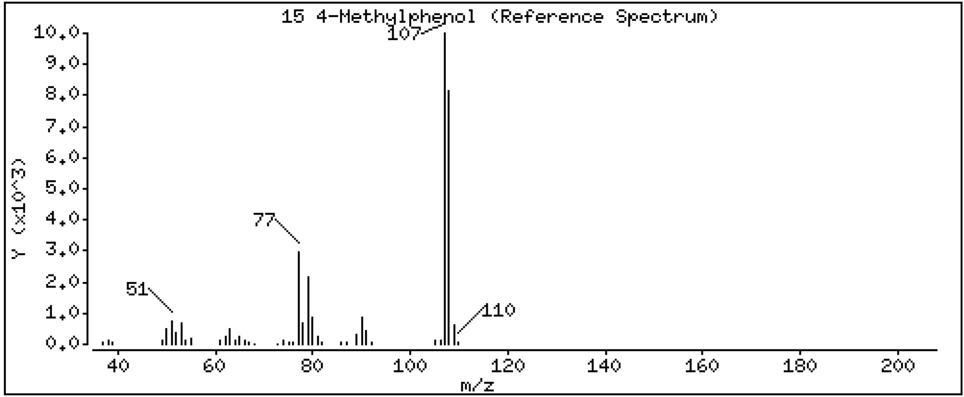
Operator: VTS

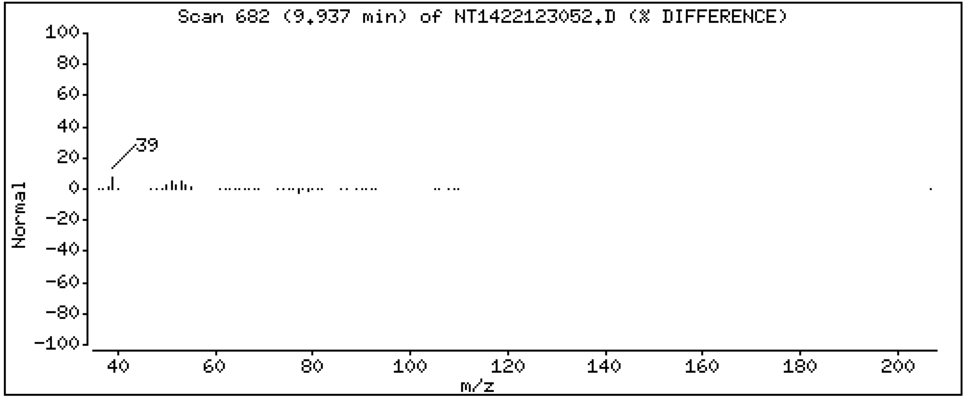
Column phase: ZB-5msi Column diameter: 0.25

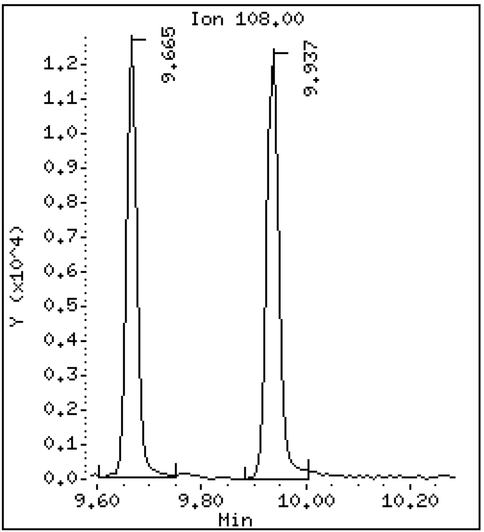
15 4-Methylphenol Concentration: 0.4747 ug/mL

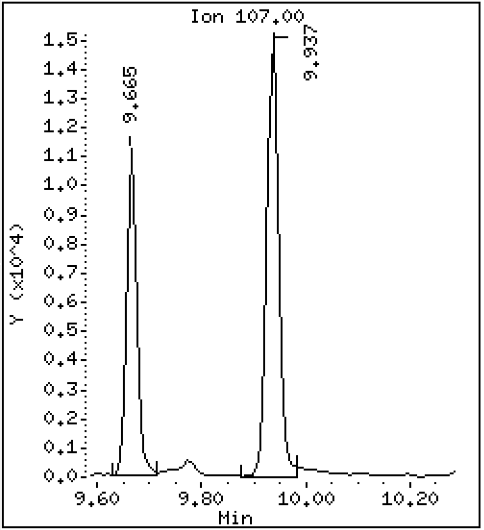


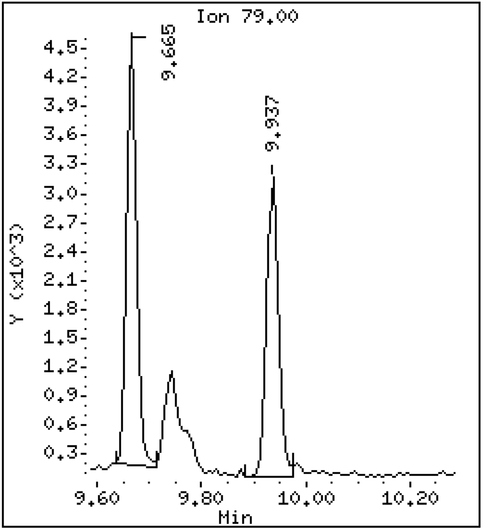












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Date : 31-DEC-2022 15:05

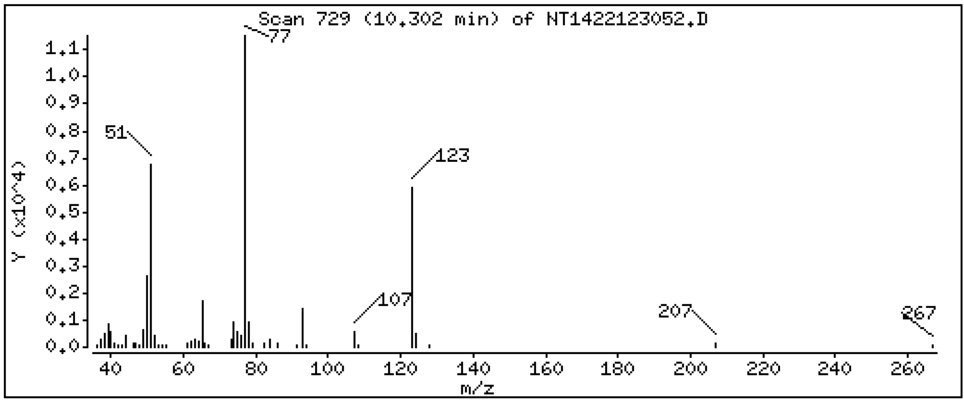
Client ID: 	Instrument: nt14.i

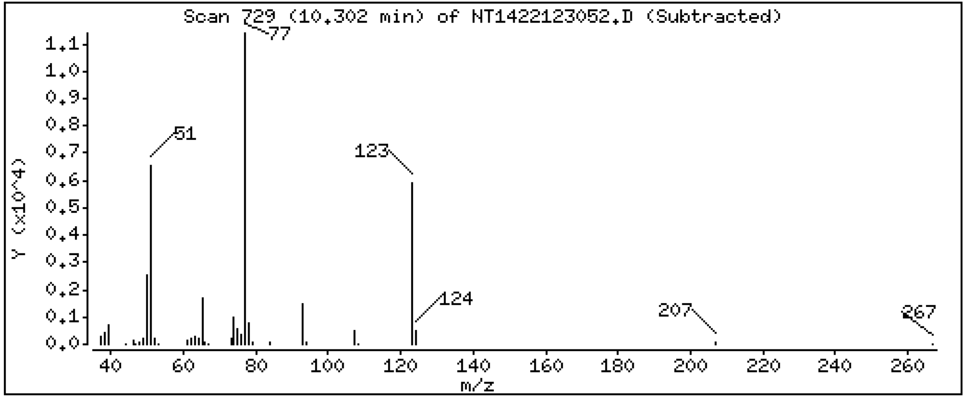
Sample Info: SKL0356-LCV2

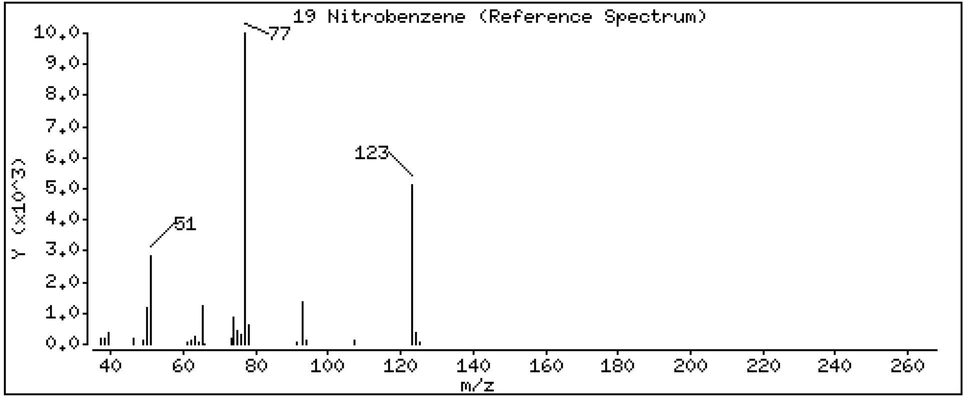
Operator: VTS

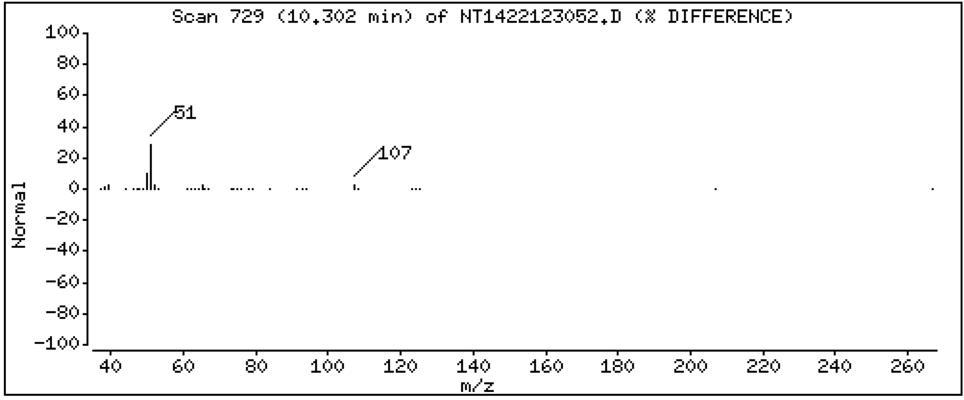
Column phase: ZB-5msi 	Column diameter: 0.25

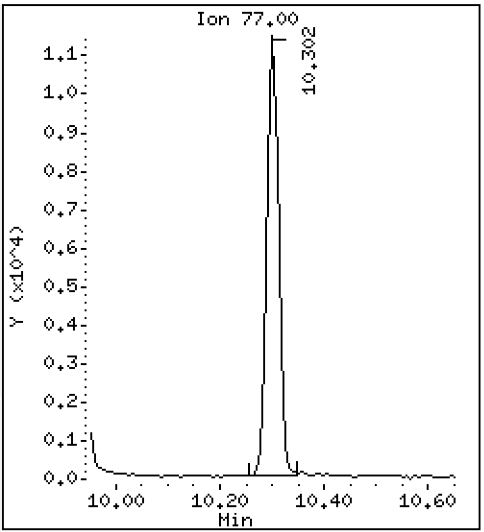
19 Nitrobenzene 	Concentration: 0.4641 ug/mL

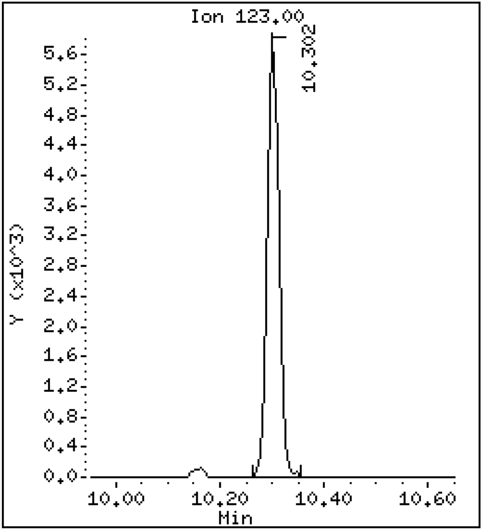


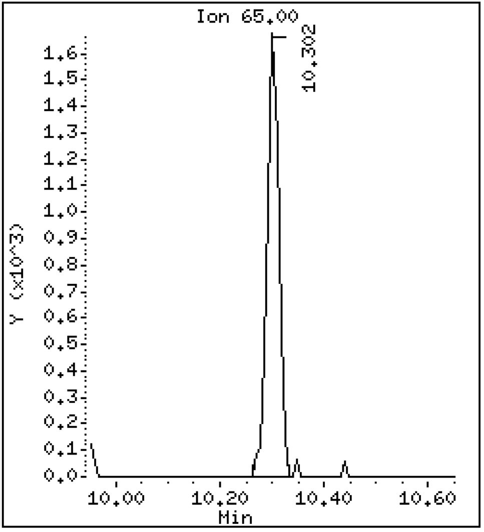












Data File: \\target\share\chem3\nt14.i\20221230B.b\NT1422123052.D

Date : 31-DEC-2022 15:05

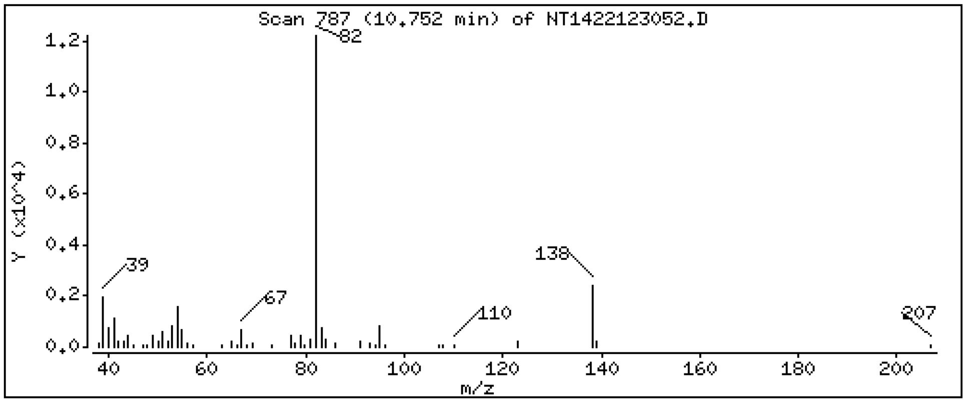
Client ID: Instrument: nt14.i

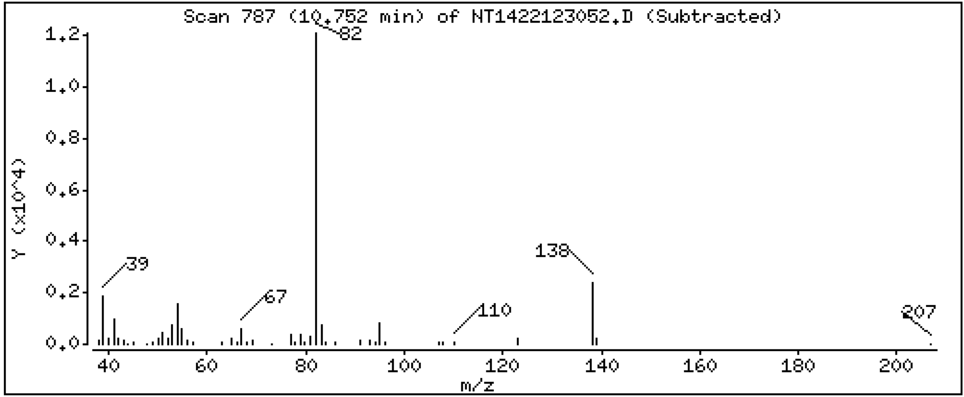
Sample Info: SKL0356-LCV2

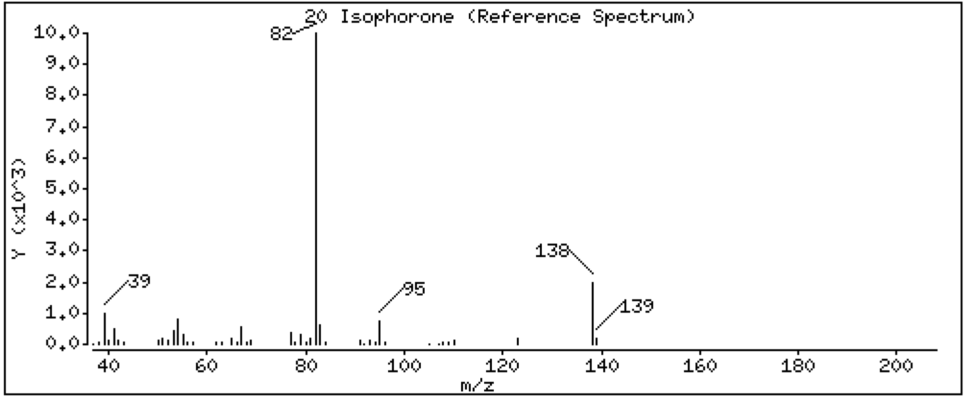
Operator: VTS

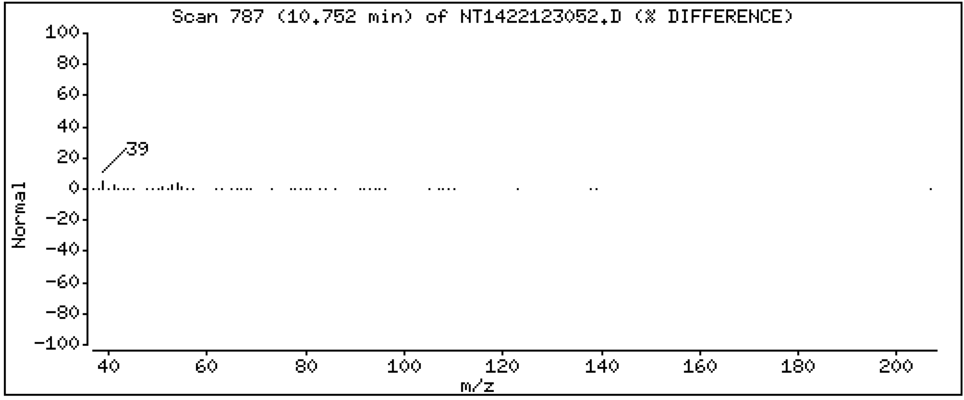
Column phase: ZB-5msi Column diameter: 0.25

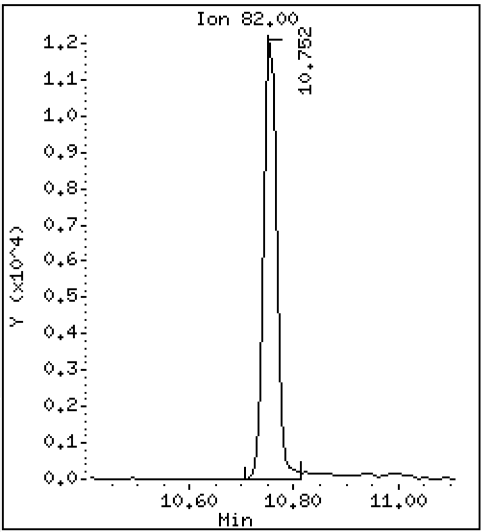
20 Isophorone Concentration: 0.4317 ug/mL

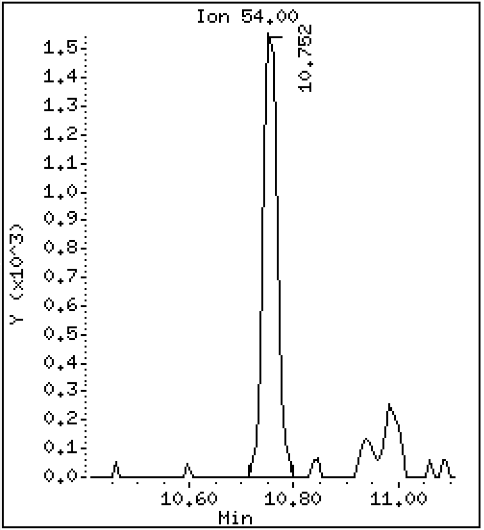


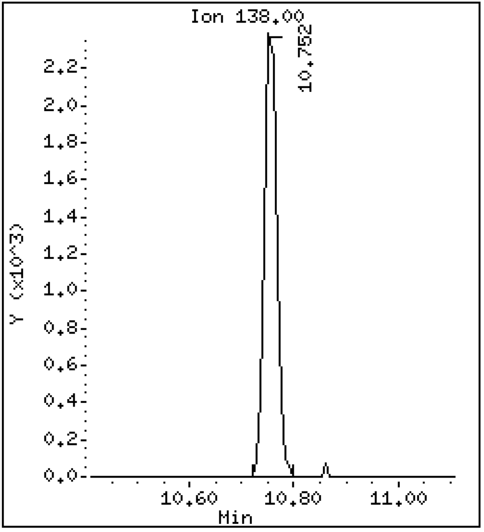












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Date : 31-DEC-2022 15:05

Client ID:

Instrument: nt14.i

Sample Info: SKL0356-LCV2

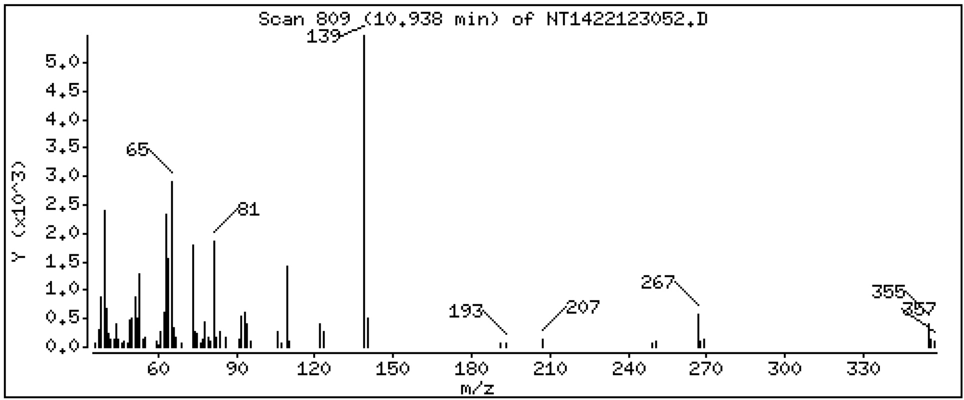
Operator: VTS

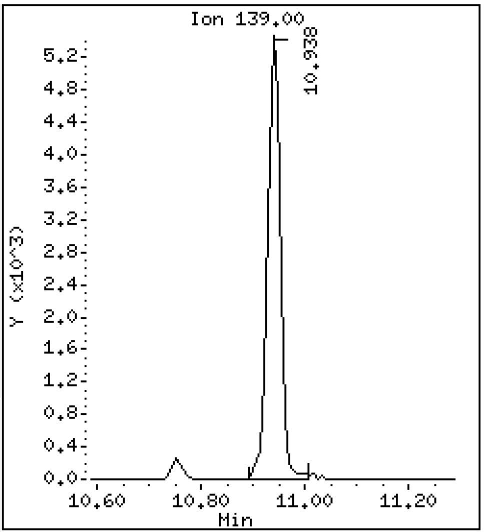
Column phase: ZB-5msi

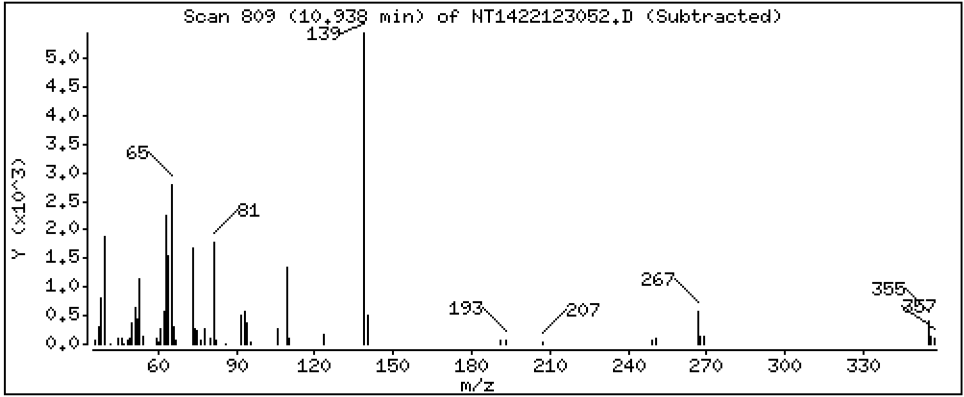
Column diameter: 0.25

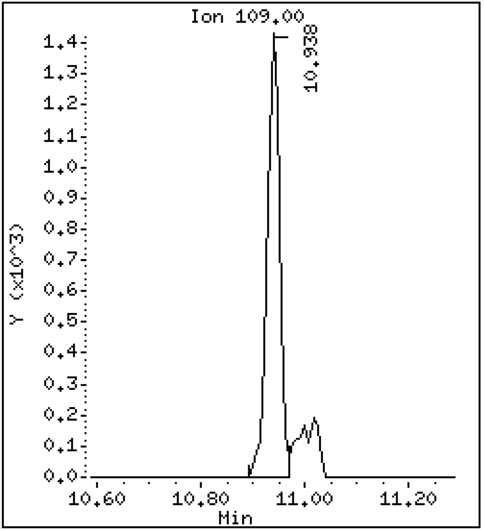
21 2-Nitrophenol

Concentration: 0.4561 ug/mL


Scan 809 (10.938 min) of NT1422123052.D


Ion 139.00


Scan 809 (10.938 min) of NT1422123052.D (Subtracted)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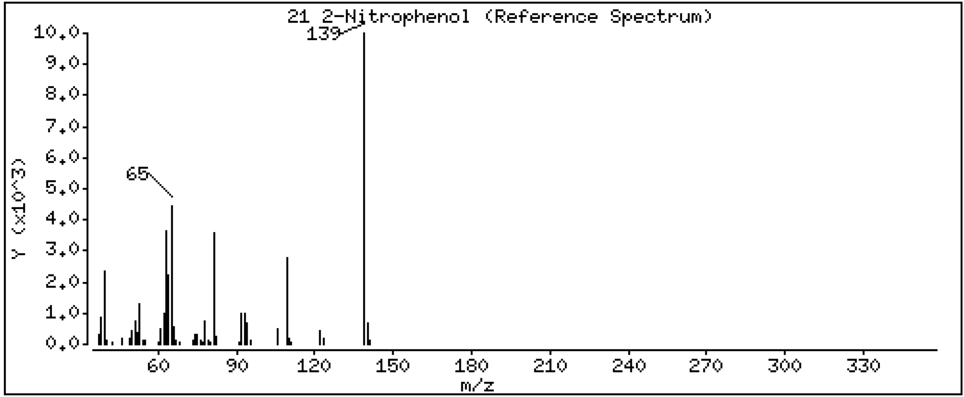
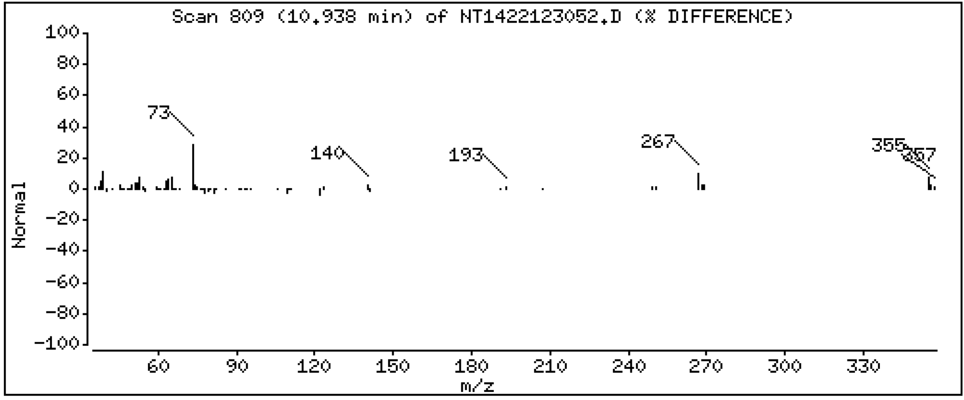
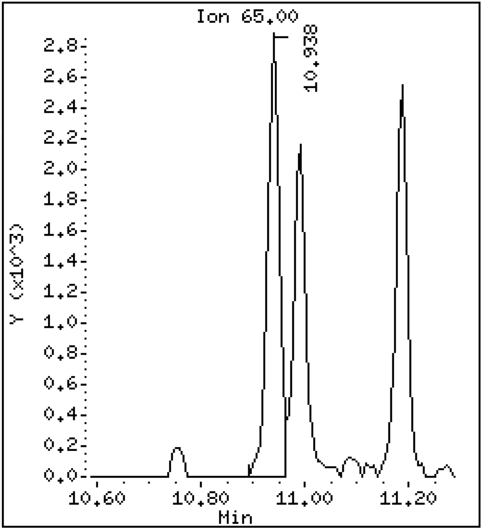

21 2-Nitrophenol (Reference Spectrum)


Scan 809 (10.938 min) of NT1422123052.D (% DIFFERENCE)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Data File: \\target\share\chem3\nt14.i\20221230B.b\NT1422123052.D

Date : 31-DEC-2022 15:05

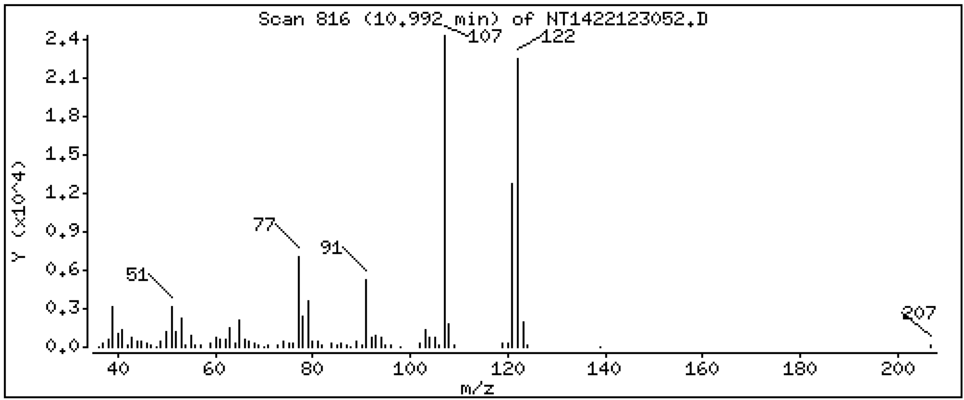
Client ID: Instrument: nt14.i

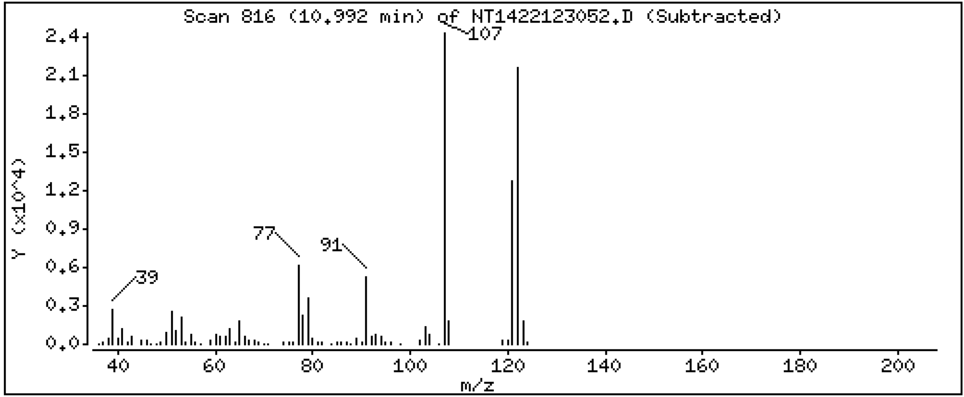
Sample Info: SKL0356-LCV2

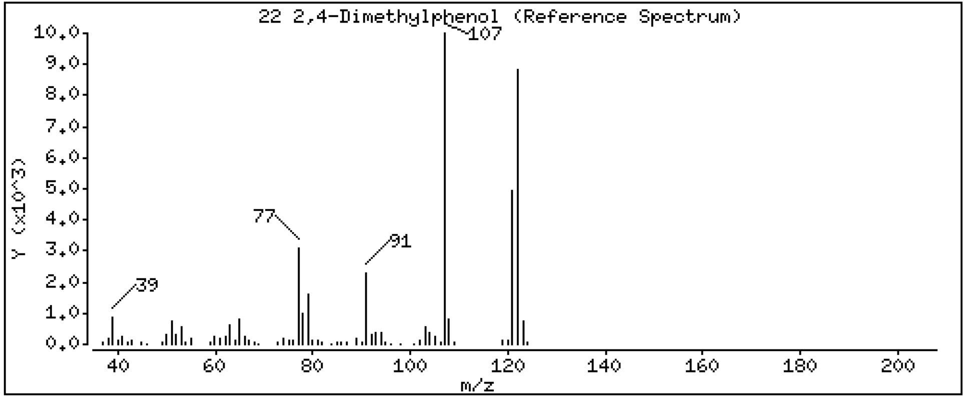
Operator: VTS

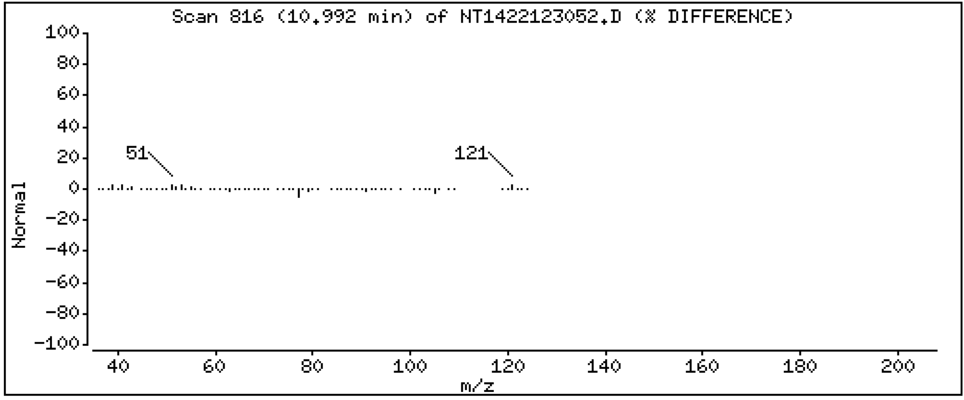
Column phase: ZB-5msi Column diameter: 0.25

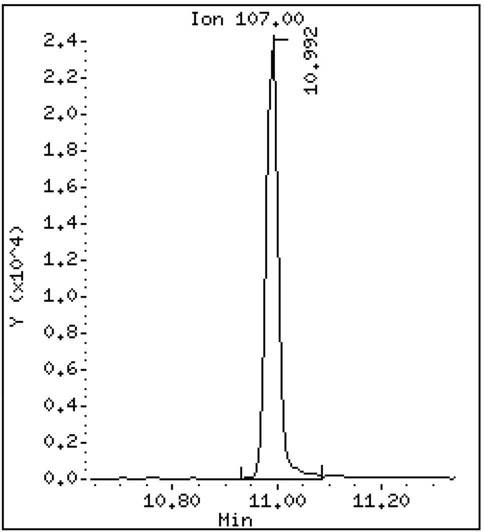
22 2,4-Dimethylphenol Concentration: 0.9882 ug/mL

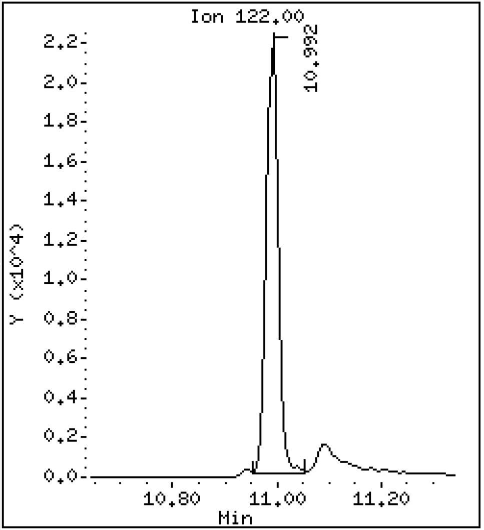

Scan 816 (10.992 min) of NT1422123052.D

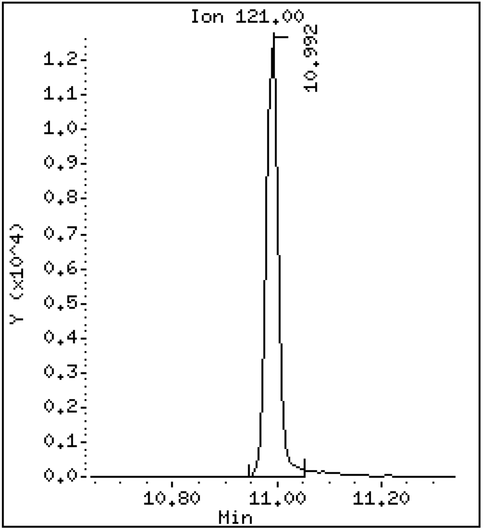

Scan 816 (10.992 min) of NT1422123052.D (Subtracted)


22 2,4-Dimethylphenol (Reference Spectrum)


Scan 816 (10.992 min) of NT1422123052.D (% DIFFERENCE)


Ion 107.00


Ion 122.00


Ion 121.00

Data File: \\target\share\chem3\nt14.i\20221230B.b\NT1422123052.D

Date : 31-DEC-2022 15:05

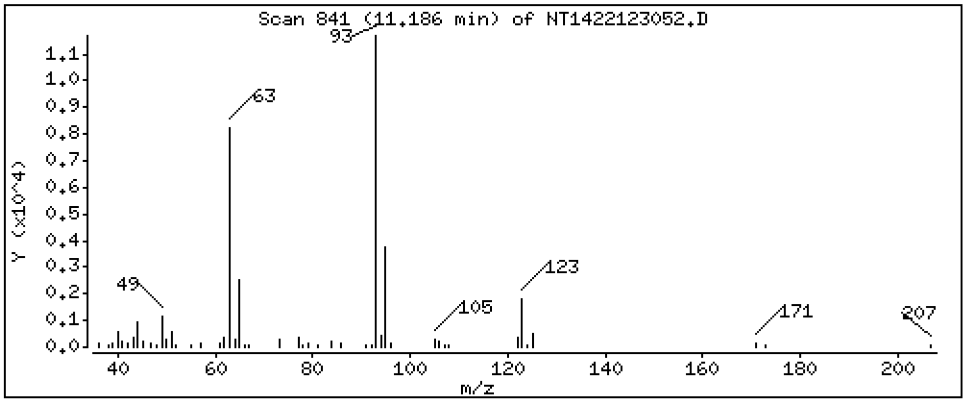
Client ID: Instrument: nt14.i

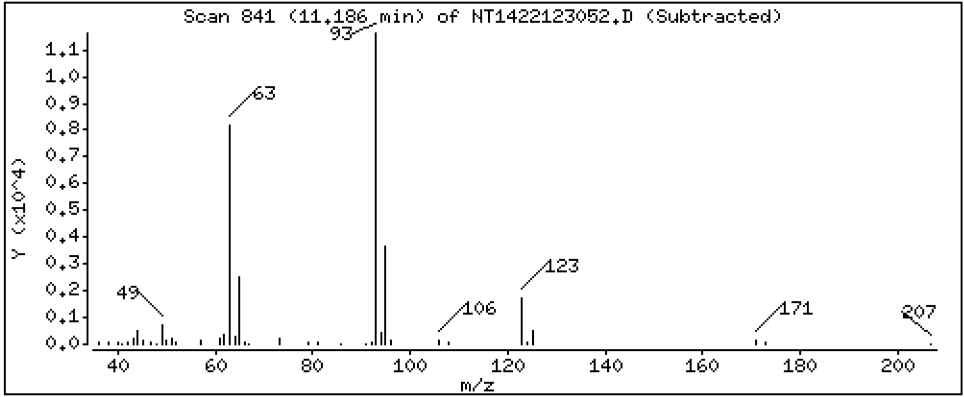
Sample Info: SKL0356-LCV2

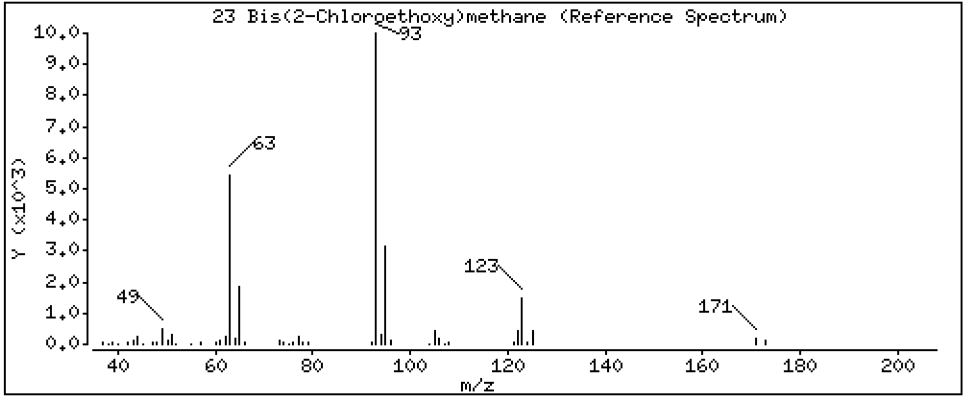
Operator: VTS

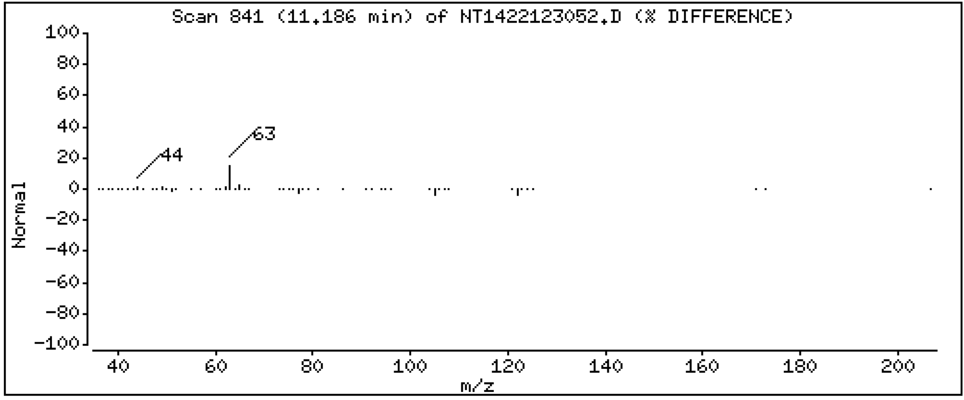
Column phase: ZB-5msi Column diameter: 0.25

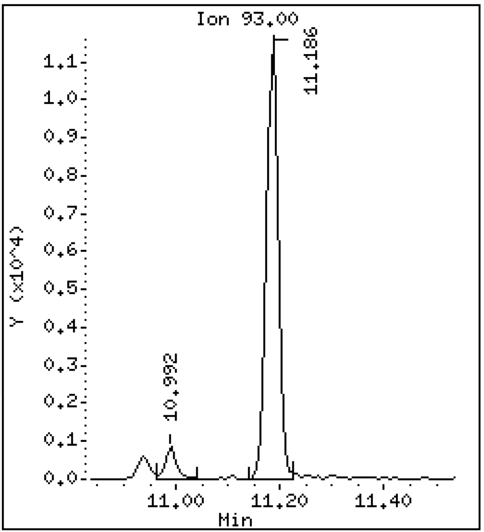
23 Bis(2-Chloroethoxy)methane Concentration: 0.4840 ug/mL

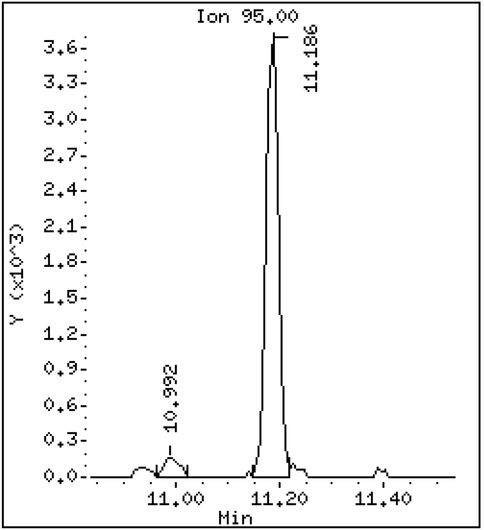

Scan 841 (11.186 min) of NT1422123052.D


Scan 841 (11.186 min) of NT1422123052.D (Subtracted)


23 Bis(2-Chloroethoxy)methane (Reference Spectrum)


Scan 841 (11.186 min) of NT1422123052.D (% DIFFERENCE)


Ion 93.00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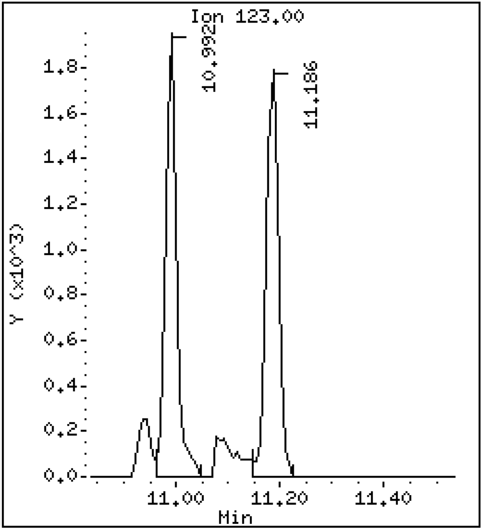
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Data File: \\target\share\chem3\nt14.i\20221230B.b\NT1422123052.D

Date : 31-DEC-2022 15:05

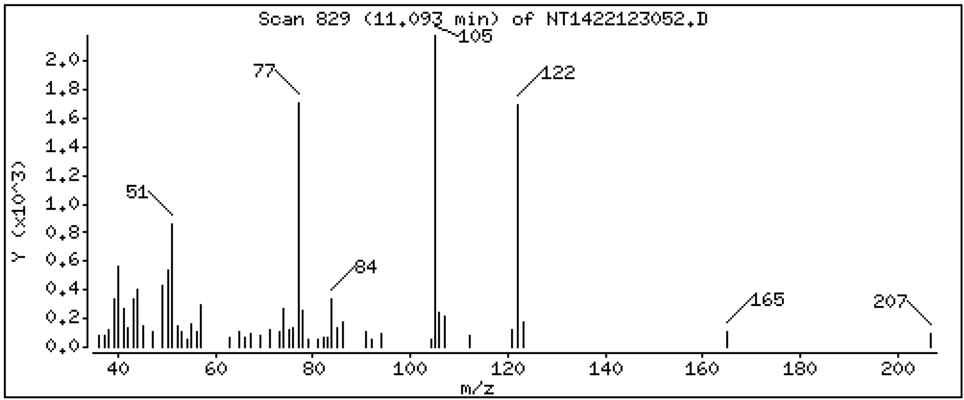
Client ID: Instrument: nt14.i

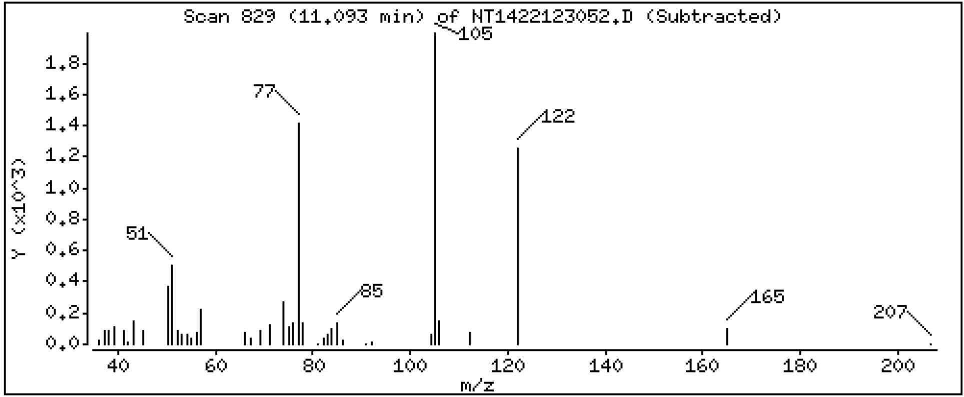
Sample Info: SKL0356-LCV2

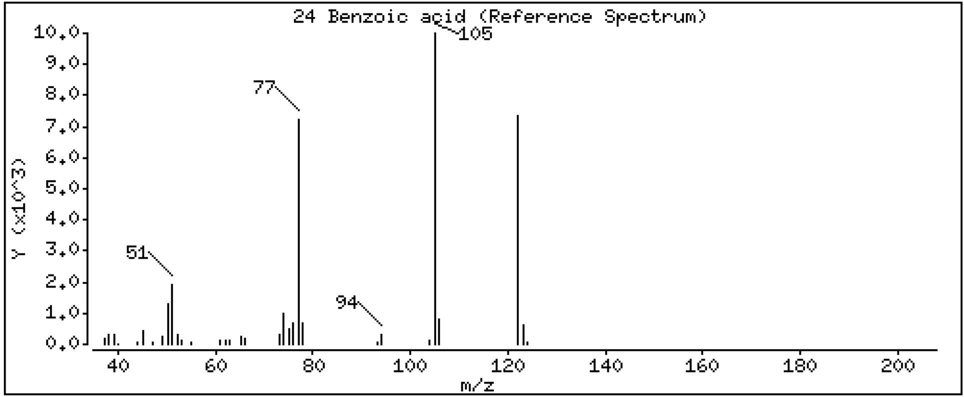
Operator: VTS

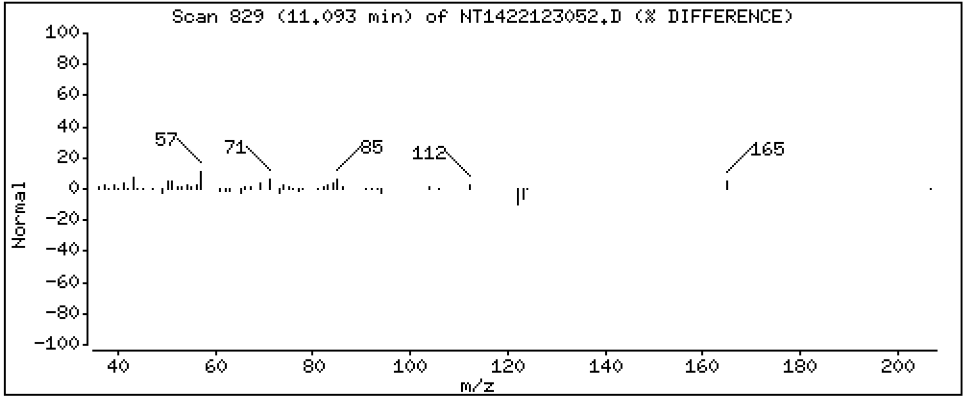
Column phase: ZB-5msi Column diameter: 0.25

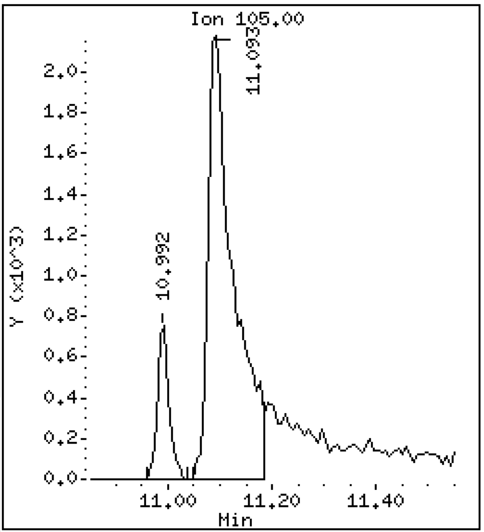
24 Benzoic acid Concentration: 0.3306 ug/mL

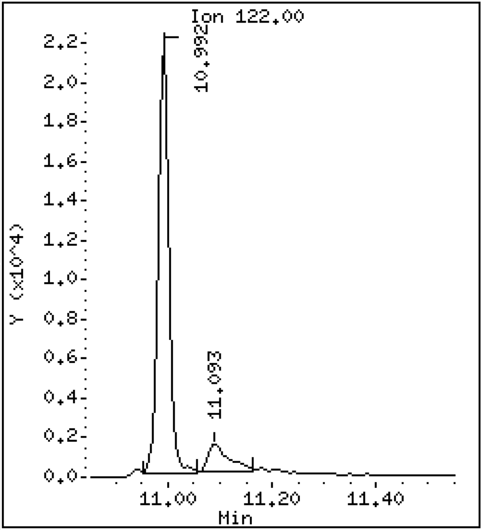


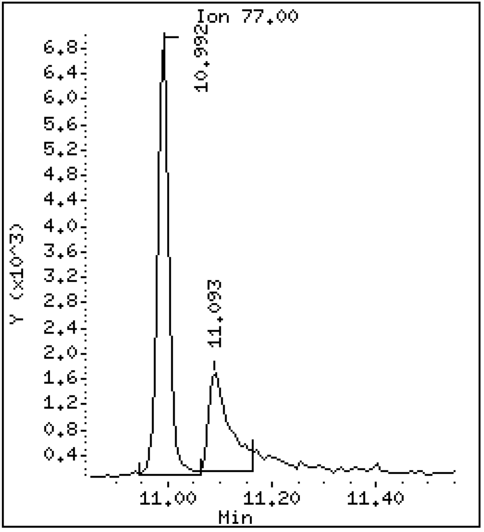












Data File: \\target\share\chem3\nt14.i\20221230B.b\NT1422123052.D

Date : 31-DEC-2022 15:05

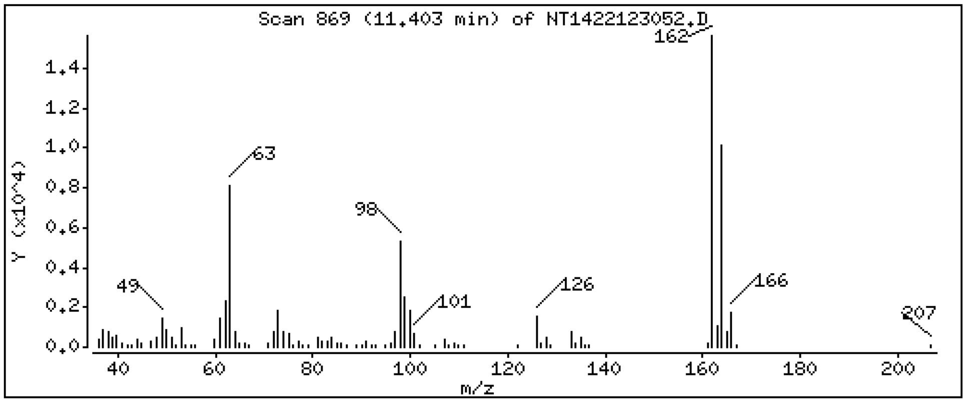
Client ID: Instrument: nt14.i

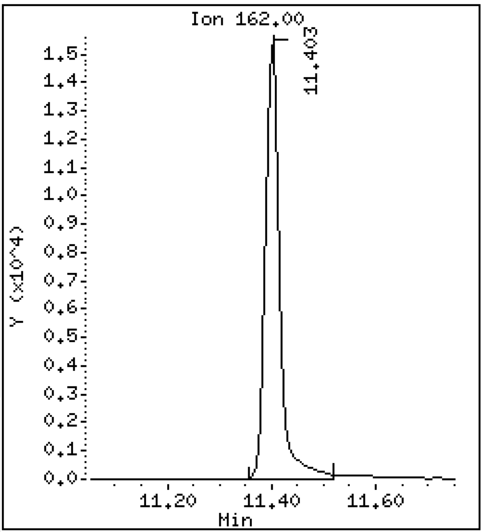
Sample Info: SKL0356-LCV2

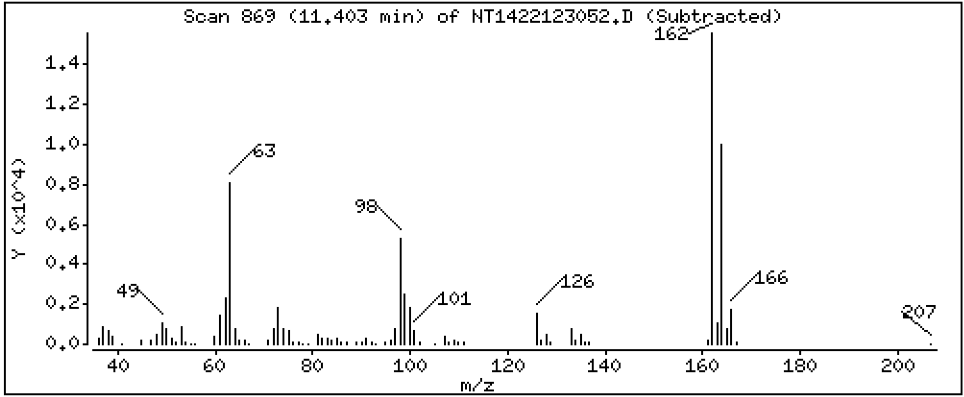
Operator: VTS

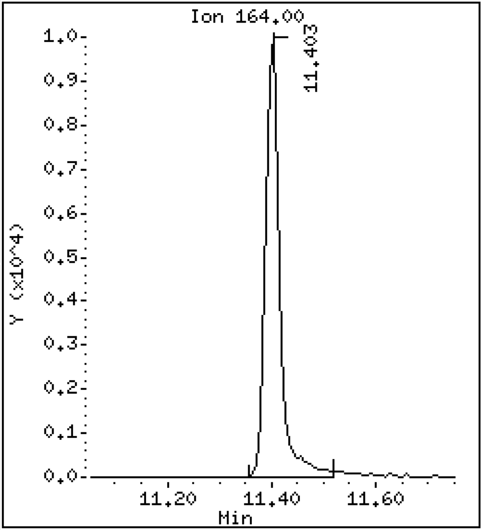
Column phase: ZB-5msi Column diameter: 0.25

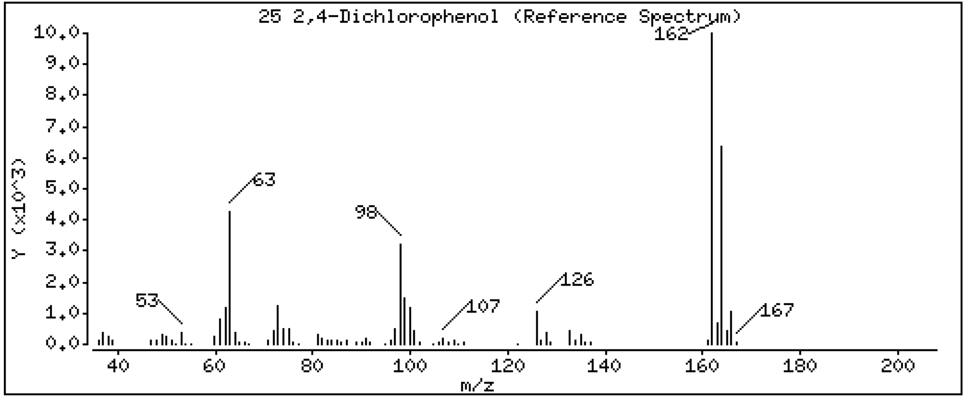
25 2,4-Dichlorophenol Concentration: 0.9922 ug/mL

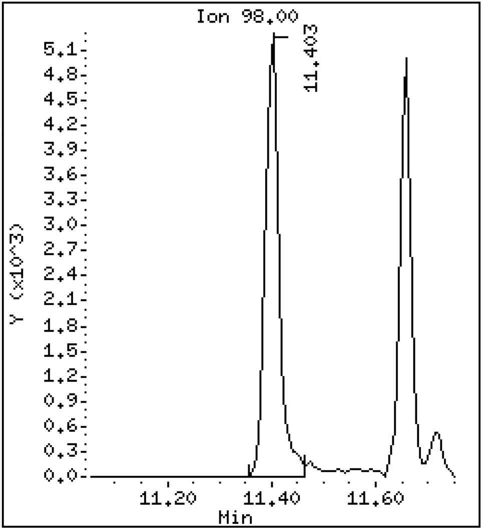


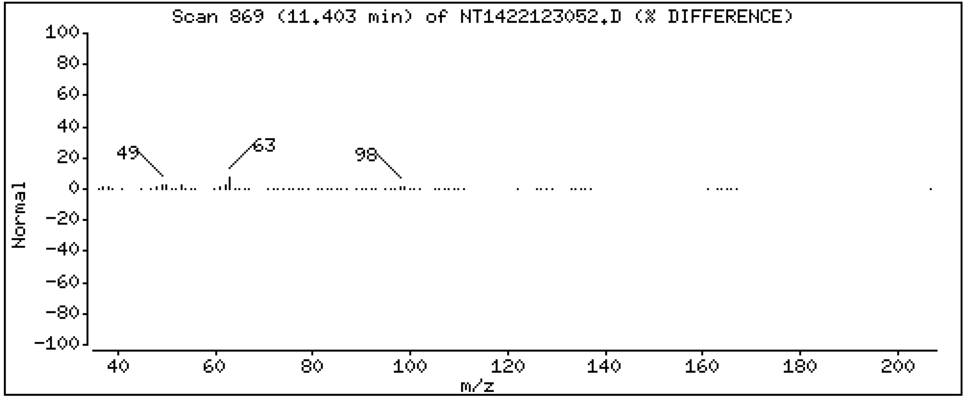












Data File: \\target\share\chem3\nt14.i\20221230B.b\NT1422123052.D

Date : 31-DEC-2022 15:05

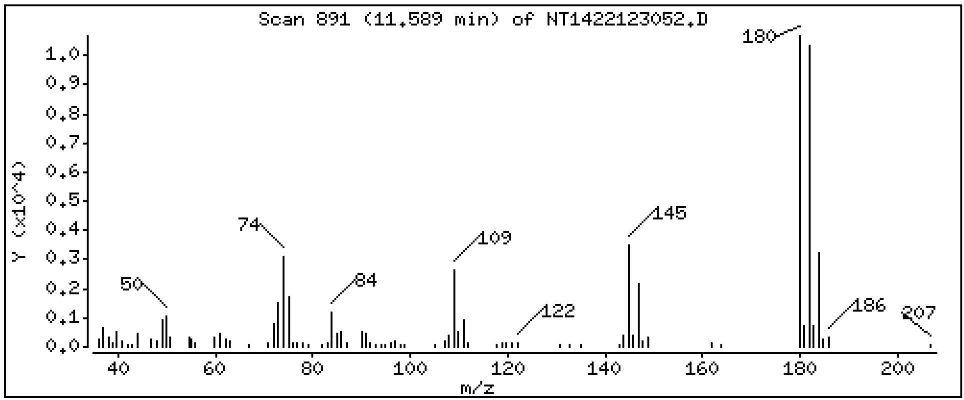
Client ID: Instrument: nt14.i

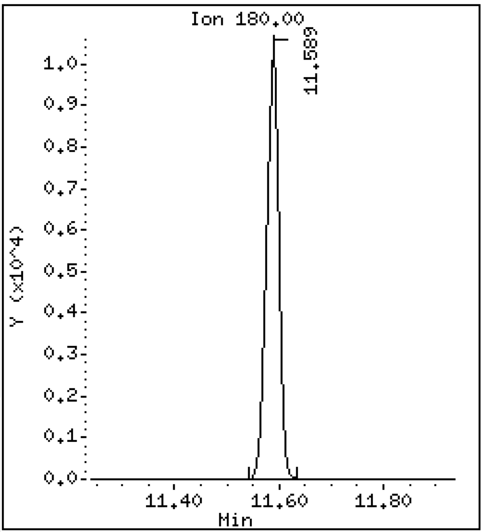
Sample Info: SKL0356-LCV2

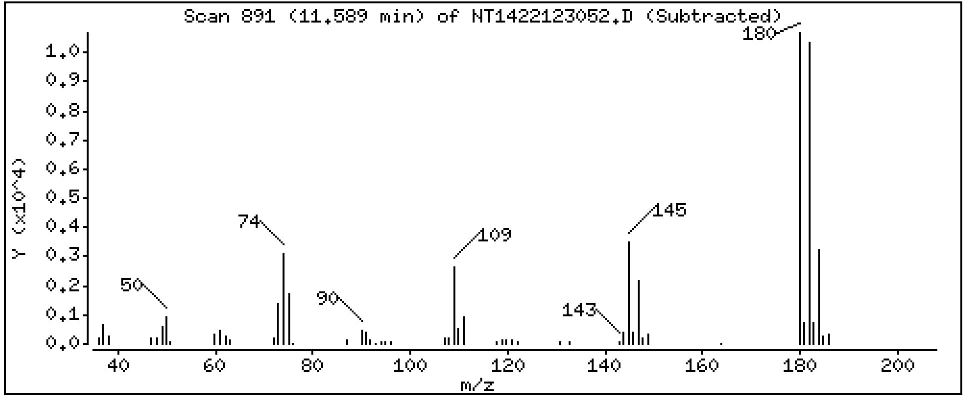
Operator: VTS

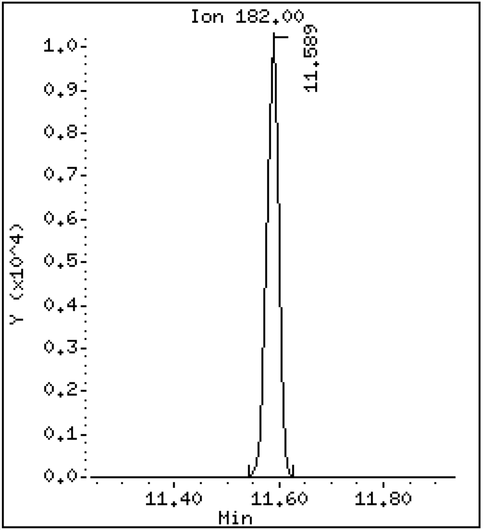
Column phase: ZB-5msi Column diameter: 0.25

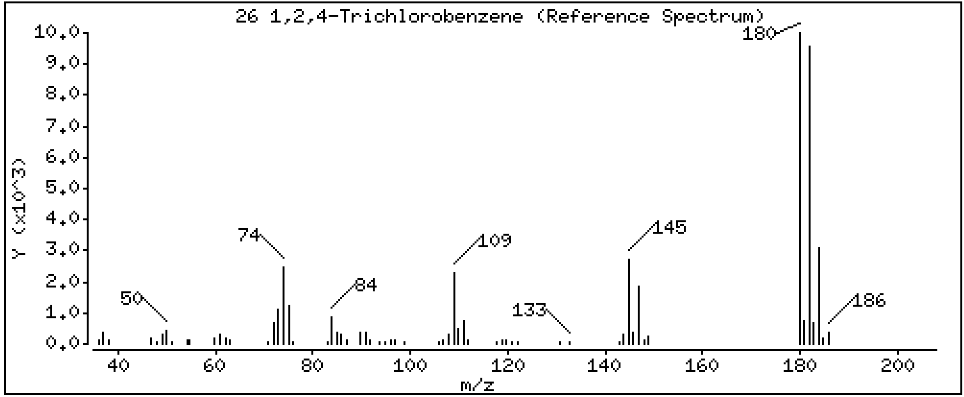
26 1,2,4-Trichlorobenzene Concentration: 0.4816 ug/mL

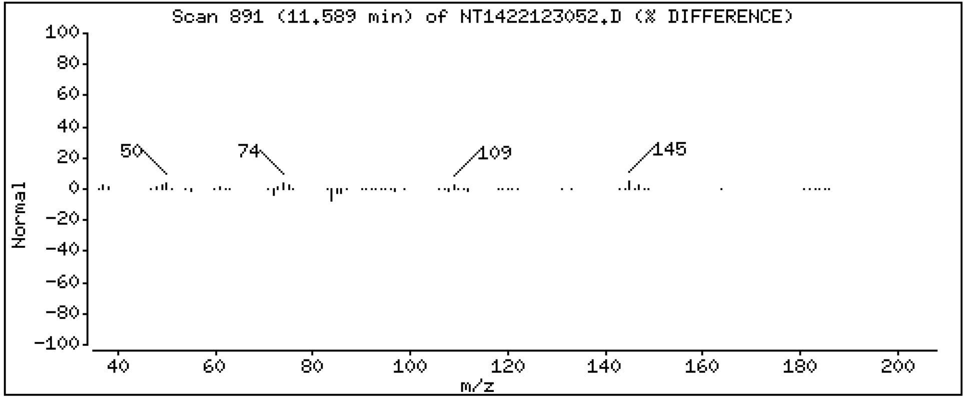

Scan 891 (11.589 min) of NT1422123052.D

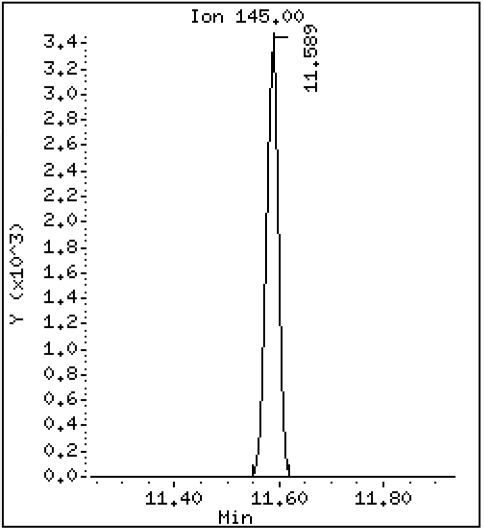

Ion 180.00


Scan 891 (11.589 min) of NT1422123052.D (Subtracted)


Ion 182.00


26 1,2,4-Trichlorobenzene (Reference Spectrum)


Scan 891 (11.589 min) of NT1422123052.D (% DIFFERENCE)


Ion 145.00

Data File: \\target\share\chem3\nt14.i\20221230B.b\NT1422123052.D

Date : 31-DEC-2022 15:05

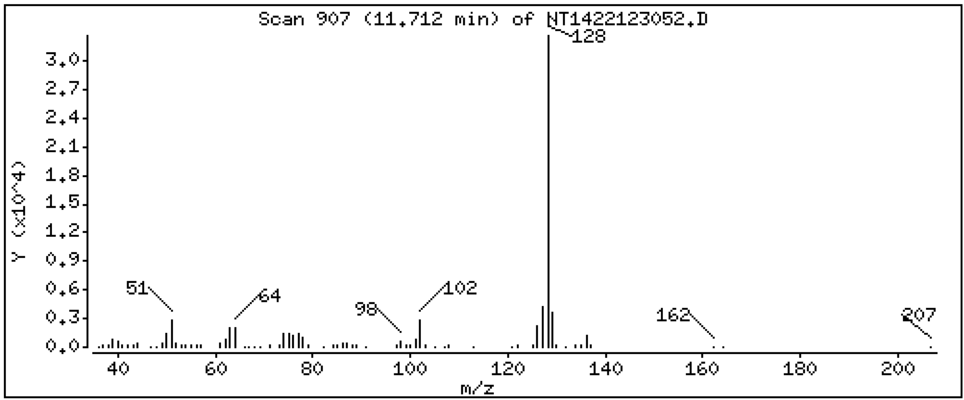
Client ID: Instrument: nt14.i

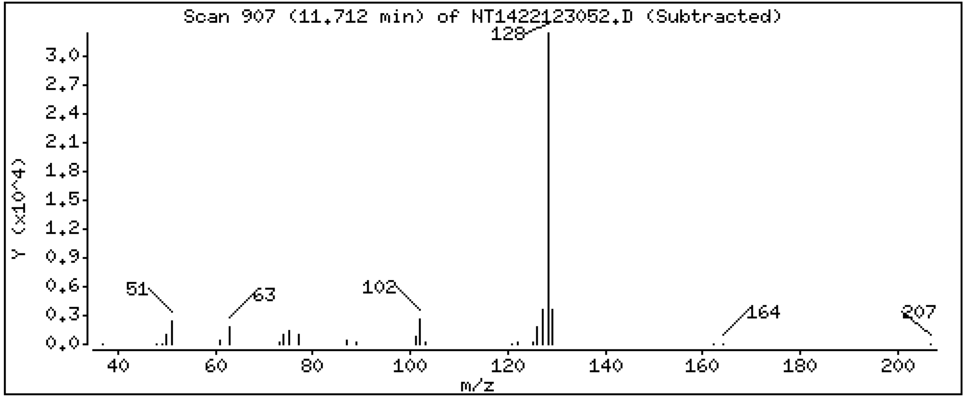
Sample Info: SKL0356-LCV2

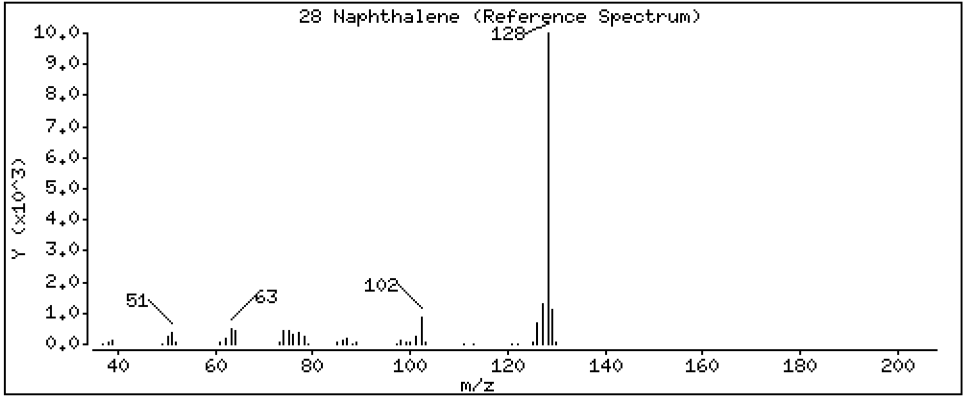
Operator: VTS

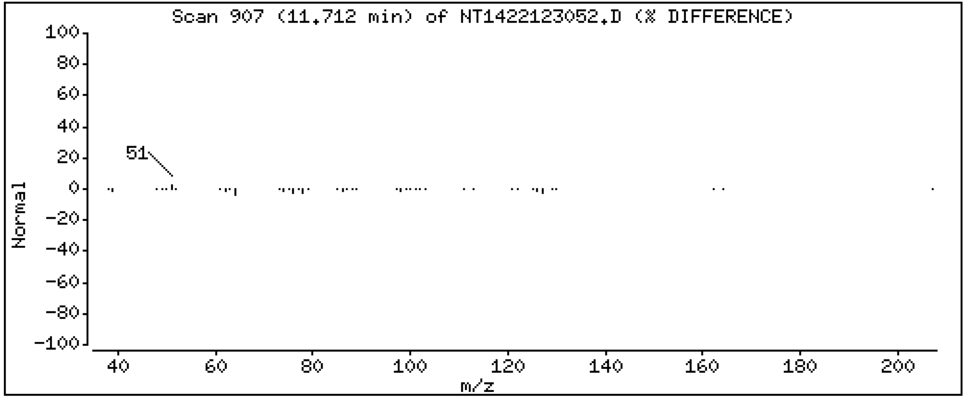
Column phase: ZB-5msi Column diameter: 0.25

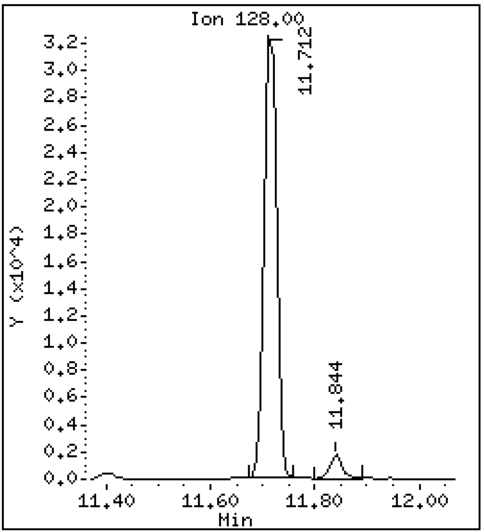
28 Naphthalene Concentration: 0.4844 ug/mL


Scan 907 (11.712 min) of NT1422123052.D


Scan 907 (11.712 min) of NT1422123052.D (Subtracted)


28 Naphthalene (Reference Spectrum)


Scan 907 (11.712 min) of NT1422123052.D (% DIFFERENCE)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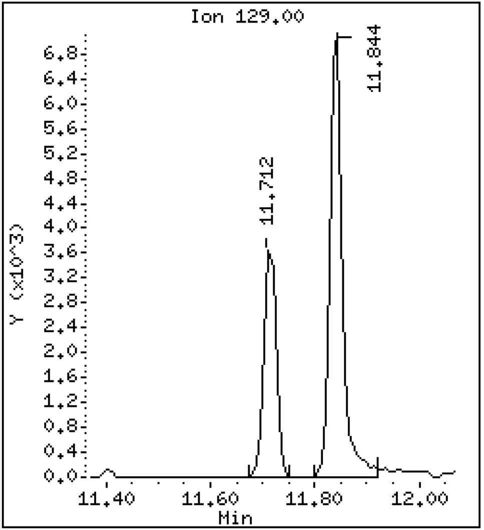
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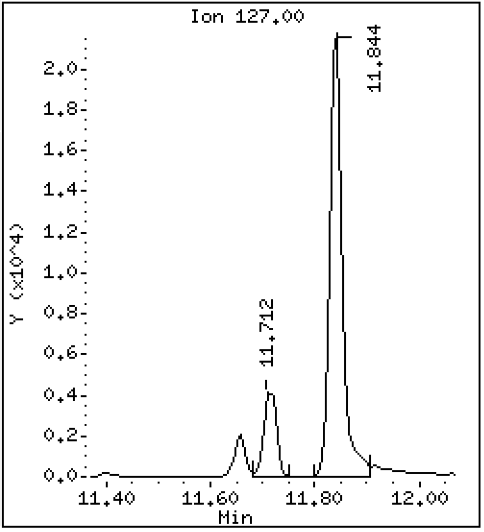

Ion 127.00

Data File: \\target\share\chem3\nt14.i\20221230B.b\NT1422123052.D

Date : 31-DEC-2022 15:05

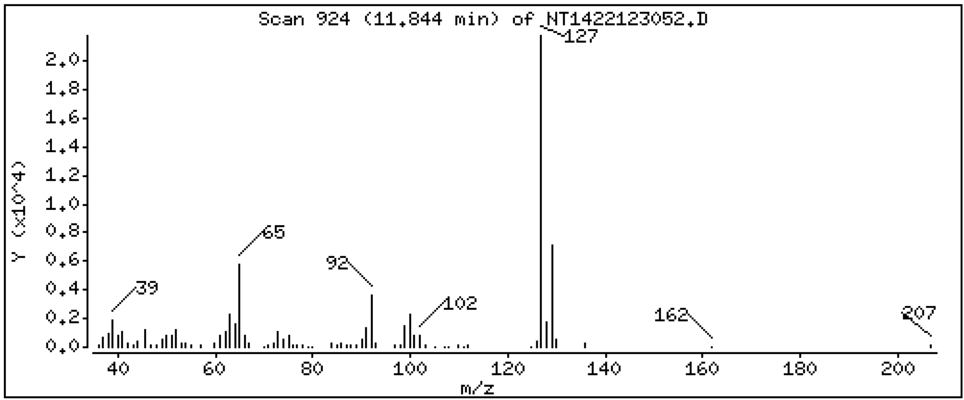
Client ID: Instrument: nt14.i

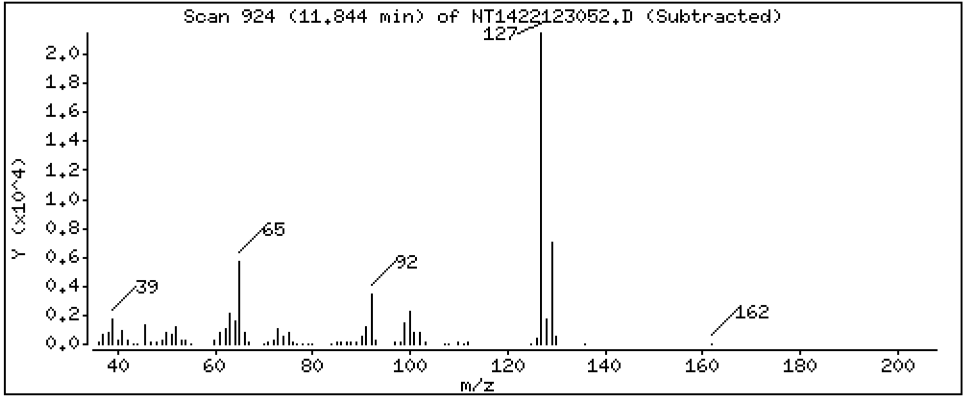
Sample Info: SKL0356-LCV2

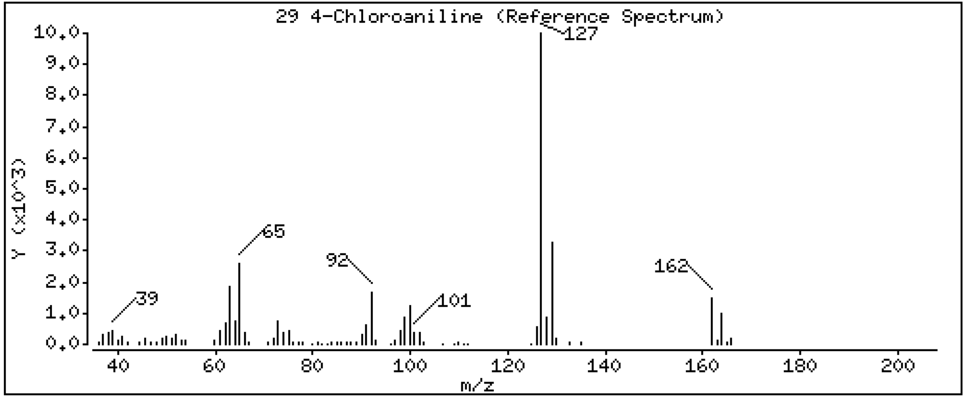
Operator: VTS

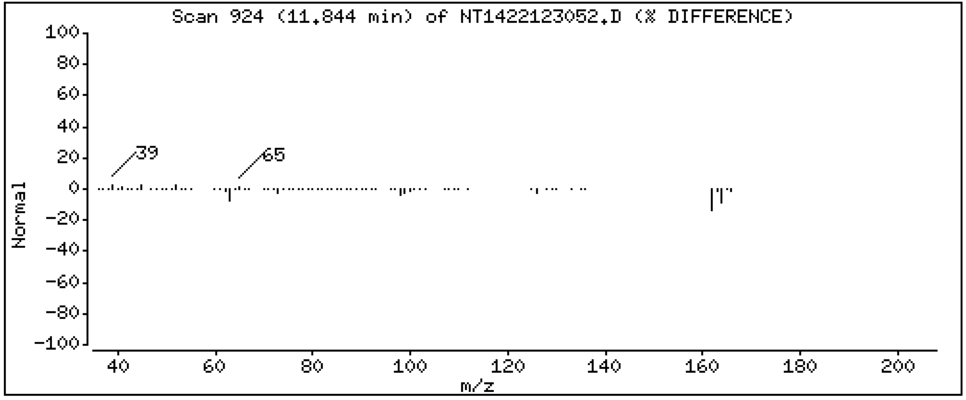
Column phase: ZB-5msi Column diameter: 0.25

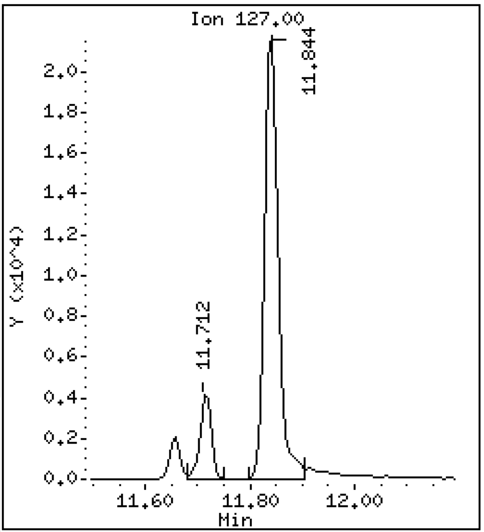
29 4-Chloroaniline Concentration: 0.8698 ug/mL

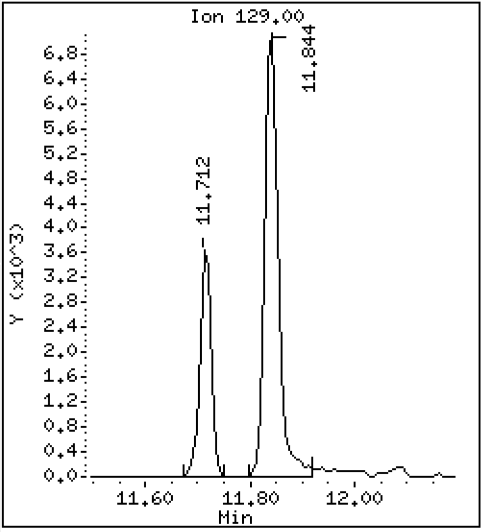

Scan 924 (11.844 min) of NT1422123052.D


Scan 924 (11.844 min) of NT1422123052.D (Subtracted)


29 4-Chloroaniline (Reference Spectrum)


Scan 924 (11.844 min) of NT1422123052.D (% DIFFERENCE)


Ion 127.00


Ion 129.00

Data File: \\target\share\chem3\nt14.i\20221230B.b\NT1422123052.D

Date : 31-DEC-2022 15:05

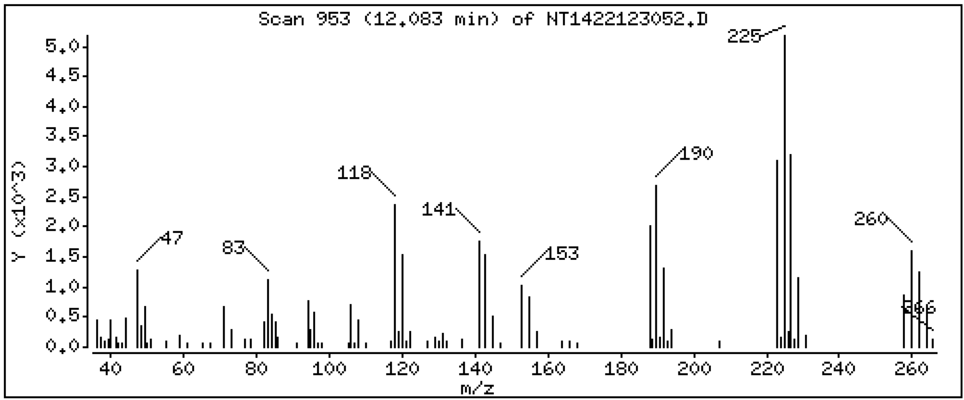
Client ID: Instrument: nt14.i

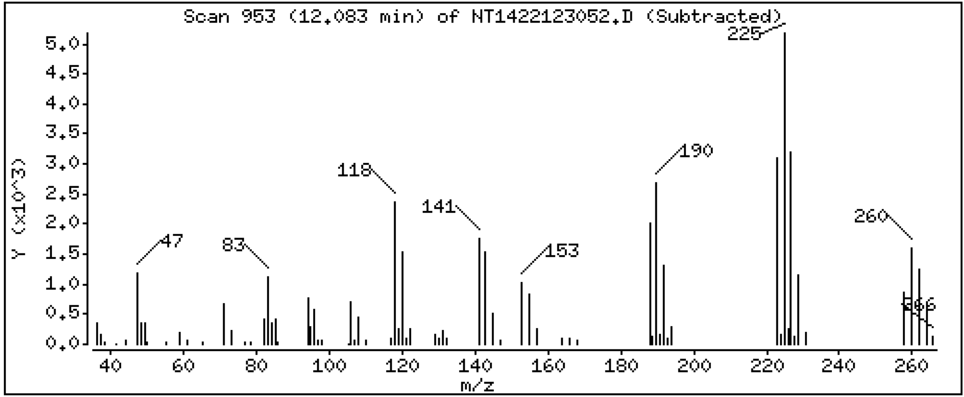
Sample Info: SKL0356-LCV2

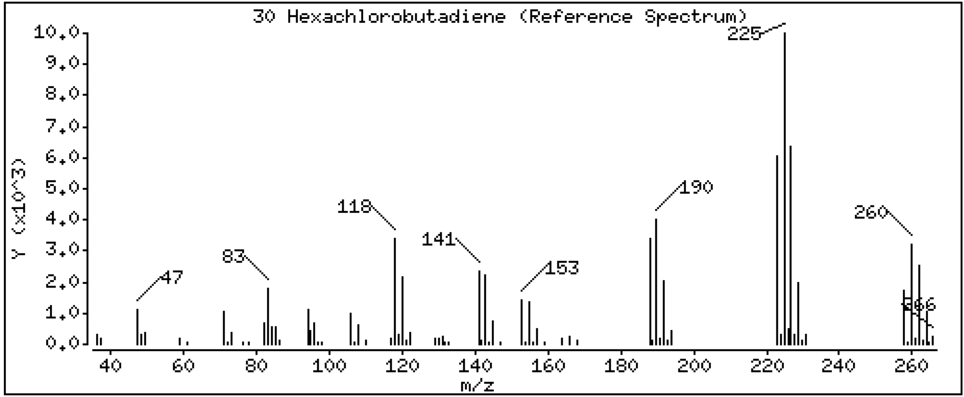
Operator: VTS

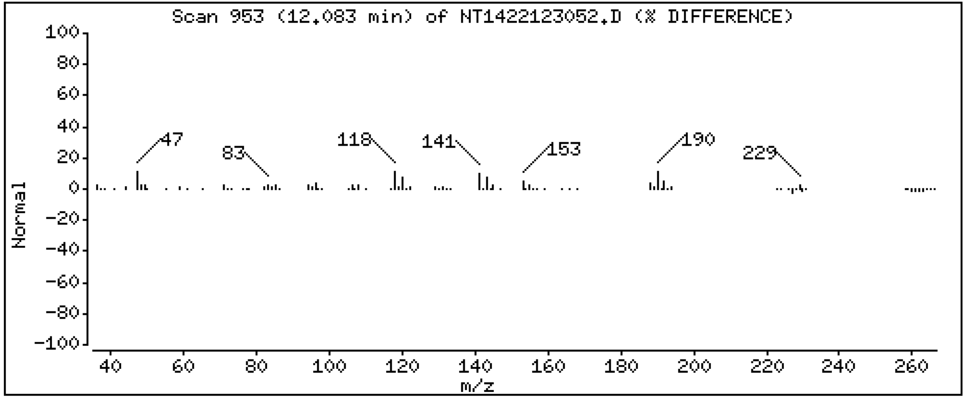
Column phase: ZB-5msi Column diameter: 0.25

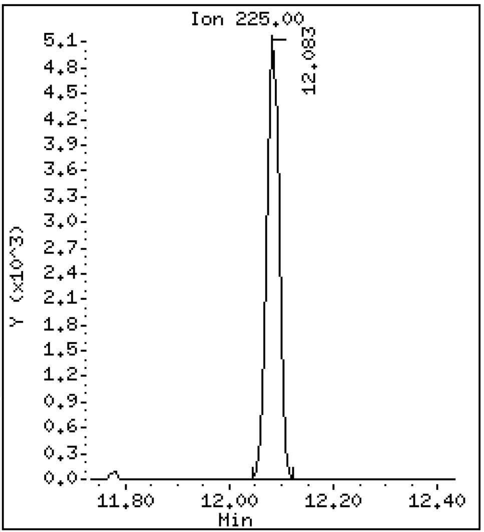
30 Hexachlorobutadiene Concentration: 0.4710 ug/mL

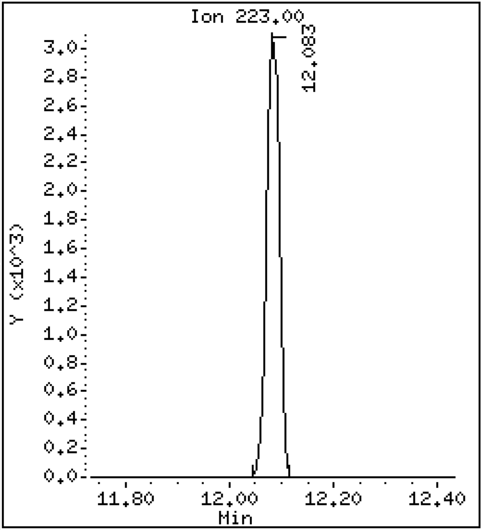


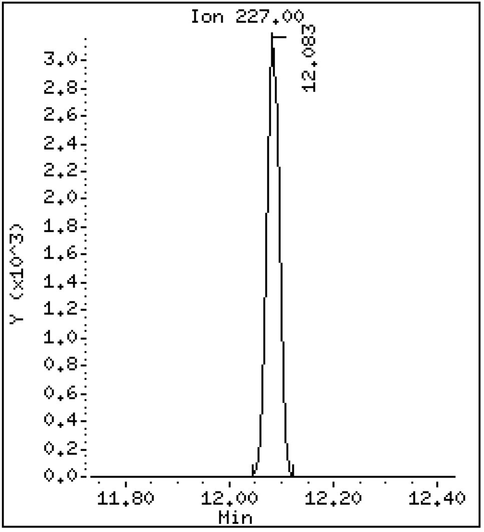












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Date : 31-DEC-2022 15:05

Client ID:

Instrument: nt14.i

Sample Info: SKL0356-LCV2

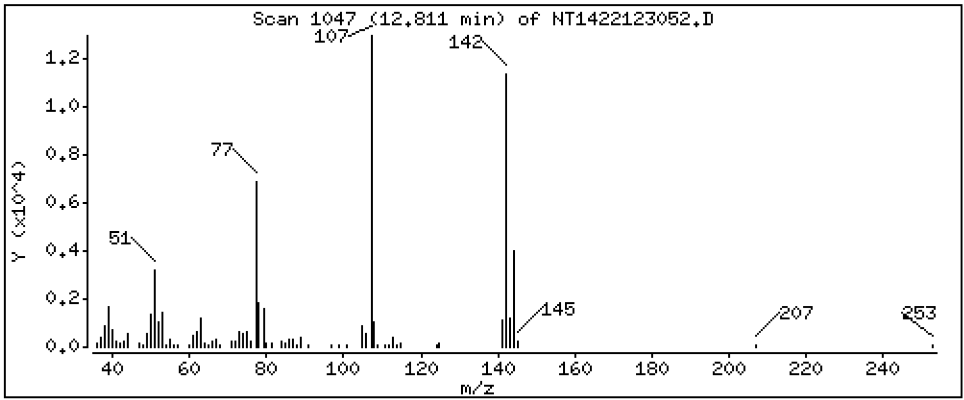
Operator: VTS

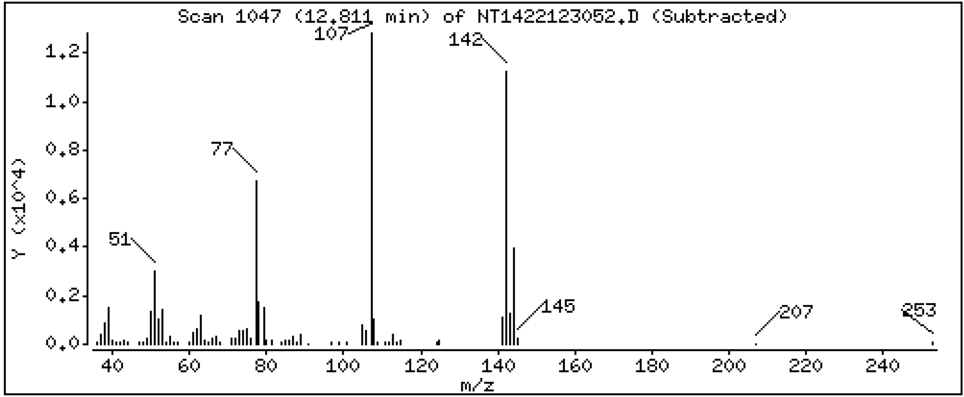
Column phase: ZB-5msi

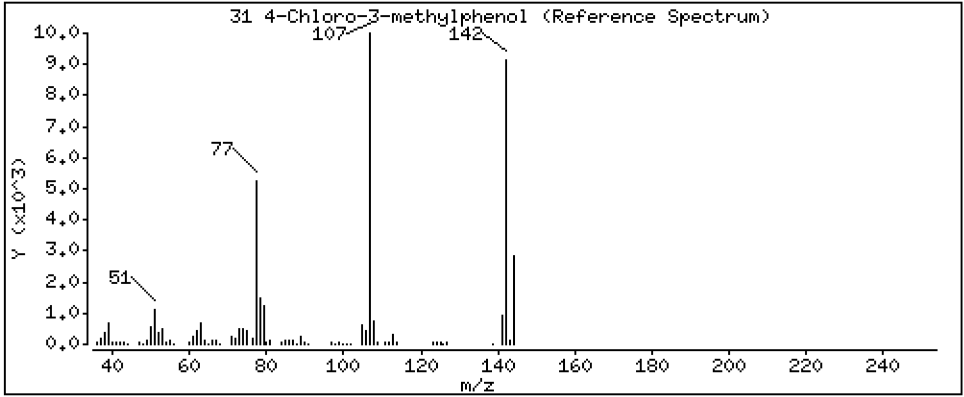
Column diameter: 0.25

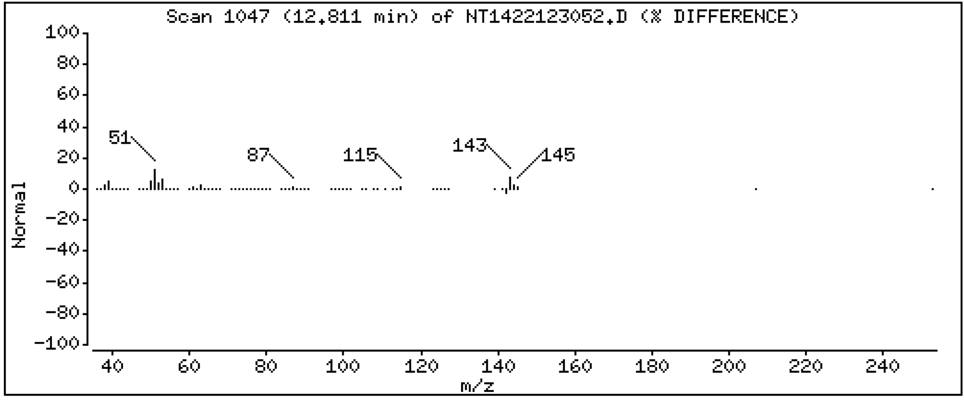
31 4-Chloro-3-methylphenol

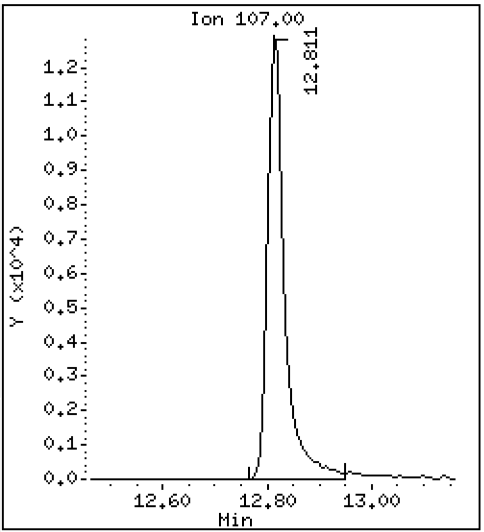
Concentration: 0.9524 ug/mL

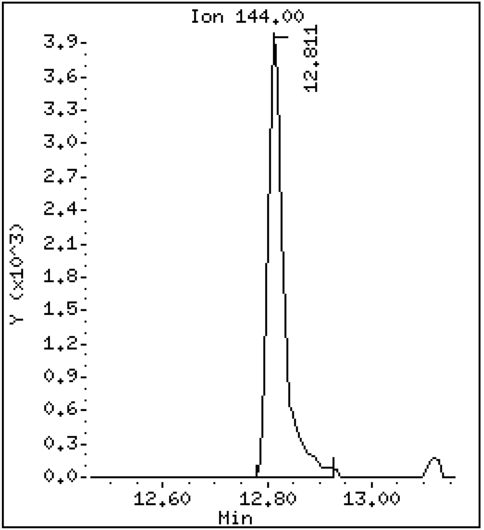

Scan 1047 (12.811 min) of NT1422123052.D

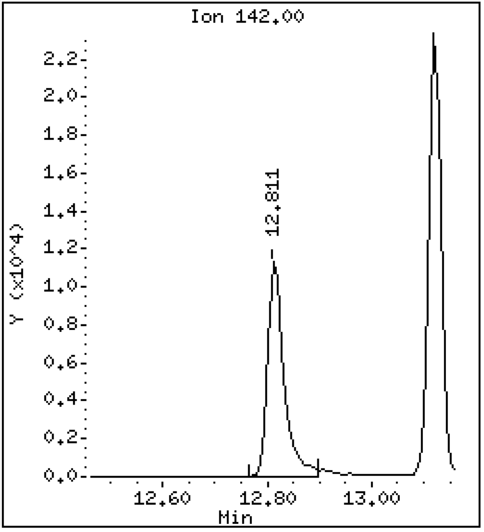

Scan 1047 (12.811 min) of NT1422123052.D (Subtracted)


31 4-Chloro-3-methylphenol (Reference Spectrum)


Scan 1047 (12.811 min) of NT1422123052.D (% DIFFERENCE)


Ion 107.00


Ion 144.00


Ion 142.00

Data File: \\target\share\chem3\nt14.i\20221230B.b\NT1422123052.D

Date : 31-DEC-2022 15:05

Client ID:

Instrument: nt14.i

Sample Info: SKL0356-LCV2

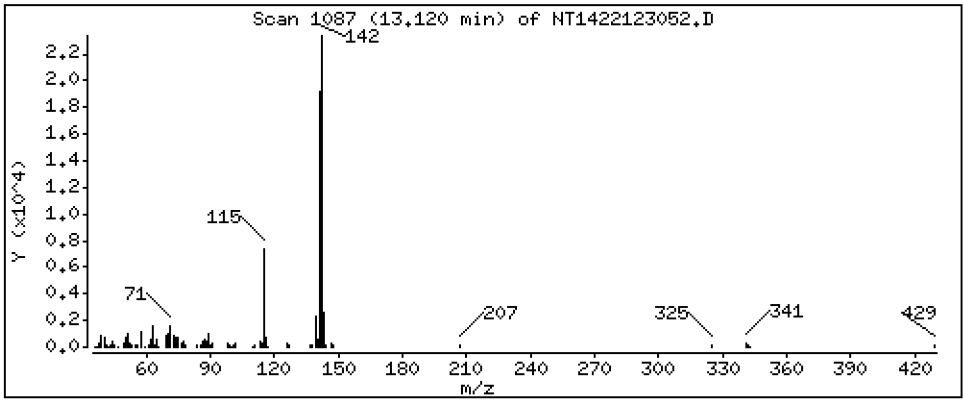
Operator: VTS

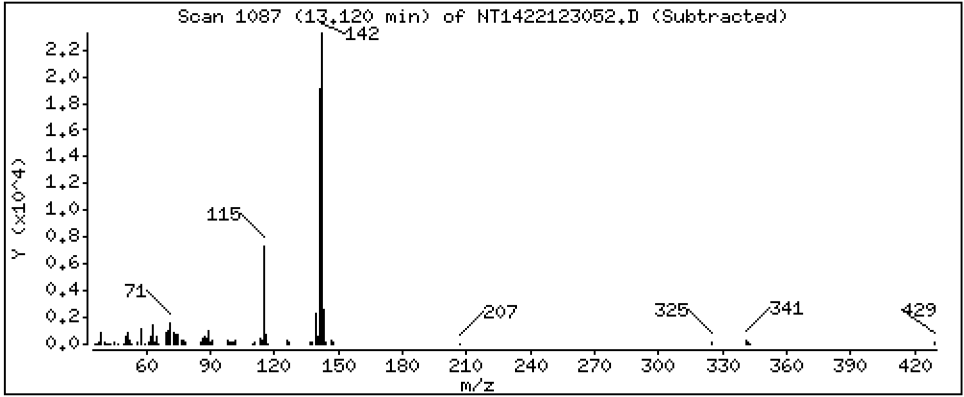
Column phase: ZB-5msi

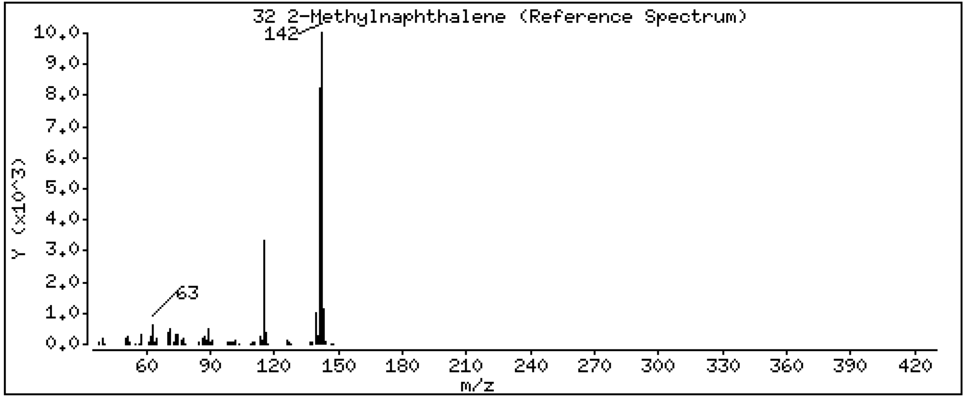
Column diameter: 0.25

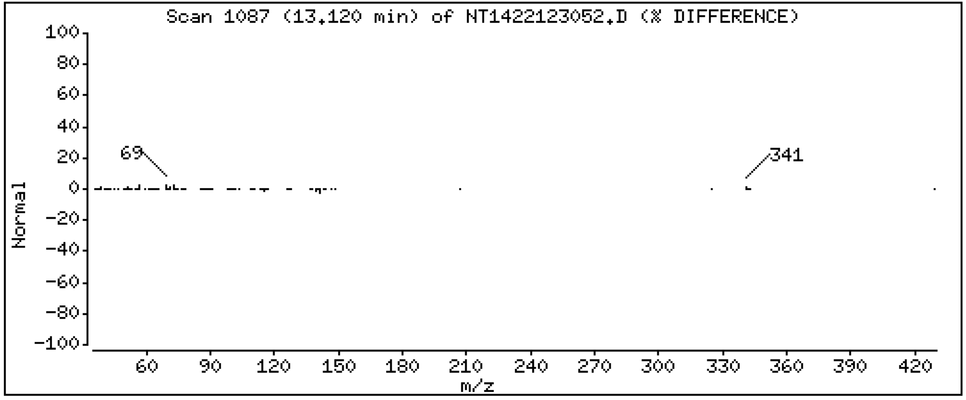
32 2-Methylnaphthalene

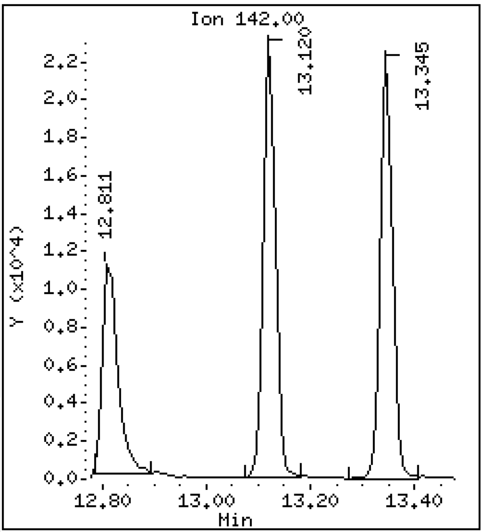
Concentration: 0.4676 ug/mL


Scan 1087 (13.120 min) of NT1422123052.D


Scan 1087 (13.120 min) of NT1422123052.D (Subtracted)


32 2-Methylnaphthalene (Reference Spectrum)


Scan 1087 (13.120 min) of NT1422123052.D (% DIFFERENCE)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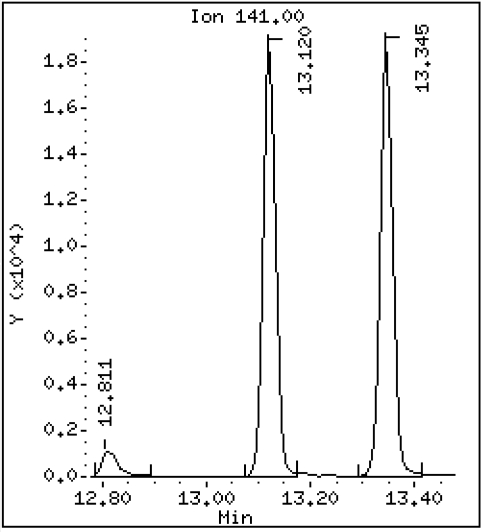

Ion 141.00

Data File: \\target\share\chem3\nt14.i\20221230B.b\NT1422123052.D

Date : 31-DEC-2022 15:05

Client ID: Instrument: nt14.i

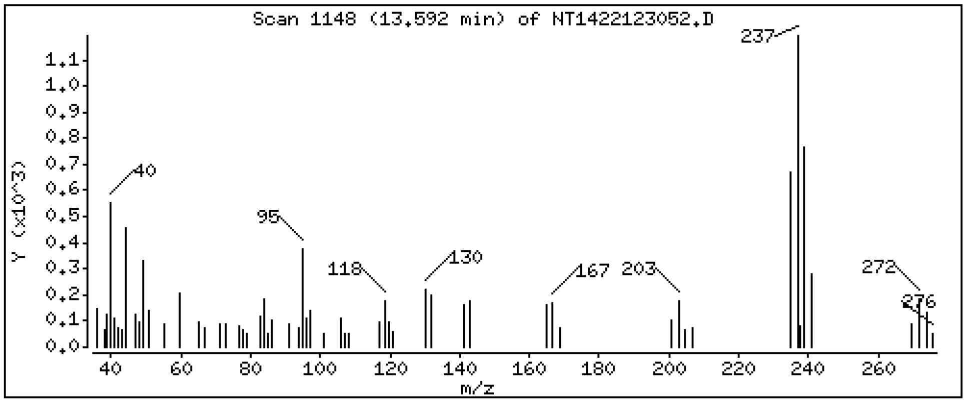
Sample Info: SKL0356-LCV2

Operator: VTS

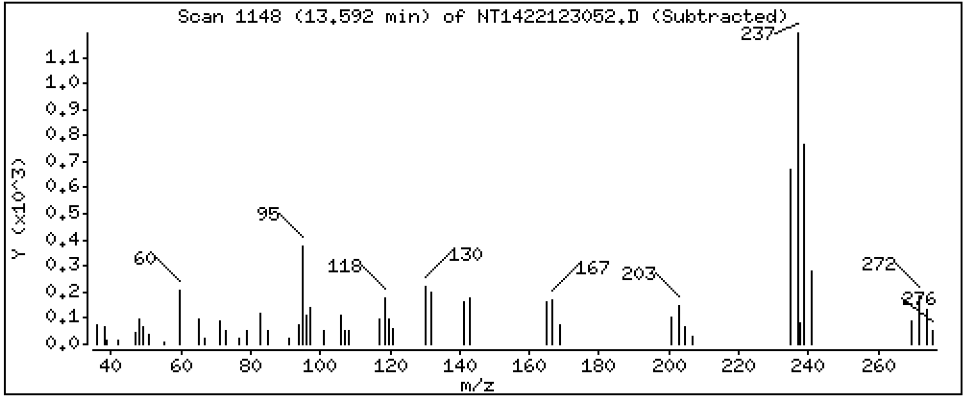
Column phase: ZB-5msi Column diameter: 0.25

33 Hexachlorocyclopentadiene Concentration: 0.1074 ug/mL

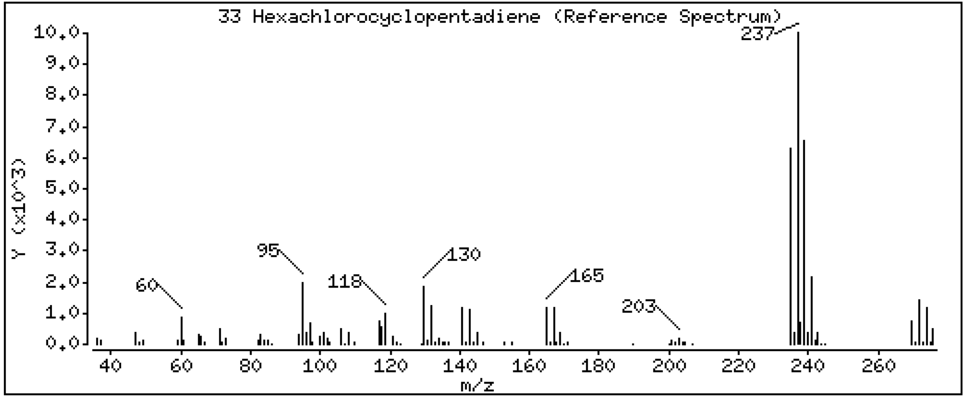
Scan 1148 (13.592 min) of NT1422123052.D



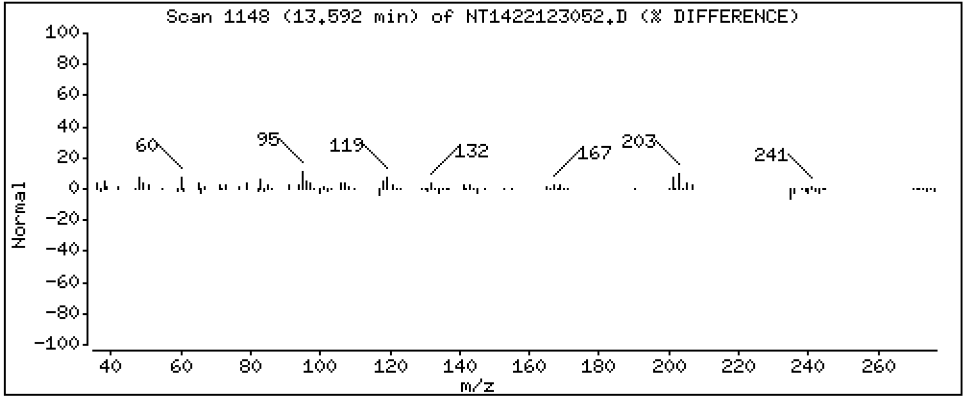
Scan 1148 (13.592 min) of NT1422123052.D (Subtracted)



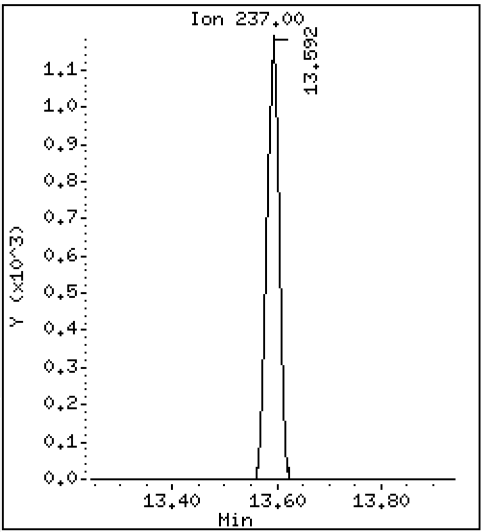
33 Hexachlorocyclopentadiene (Reference Spectrum)



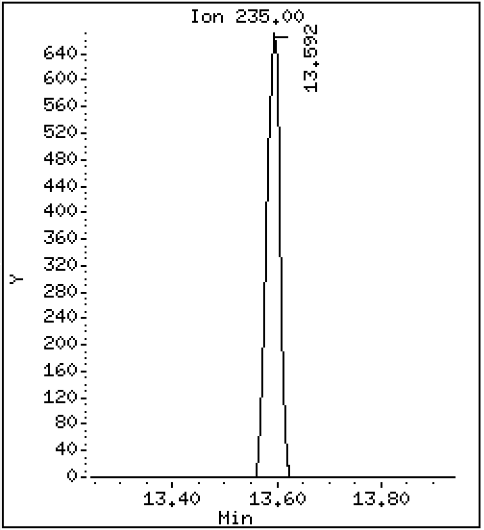
Scan 1148 (13.592 min) of NT1422123052.D (% DIFFERENCE)



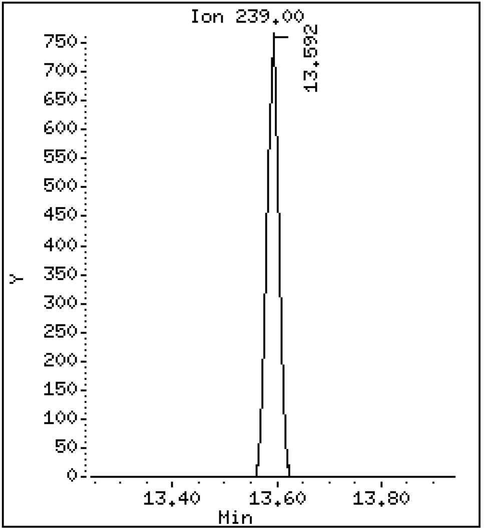
Ion 237.00



Ion 235.00



Ion 239.00



Data File: \\target\share\chem3\nt14.i\20221230B.b\NT1422123052.D

Date : 31-DEC-2022 15:05

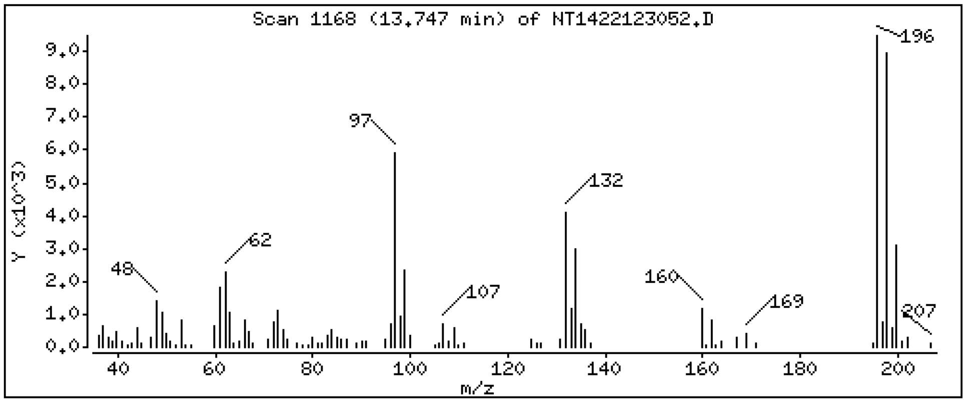
Client ID: Instrument: nt14.i

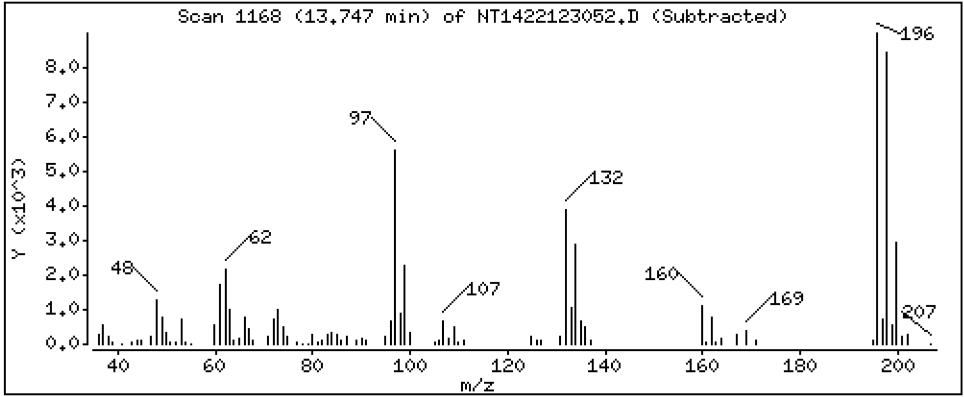
Sample Info: SKL0356-LCV2

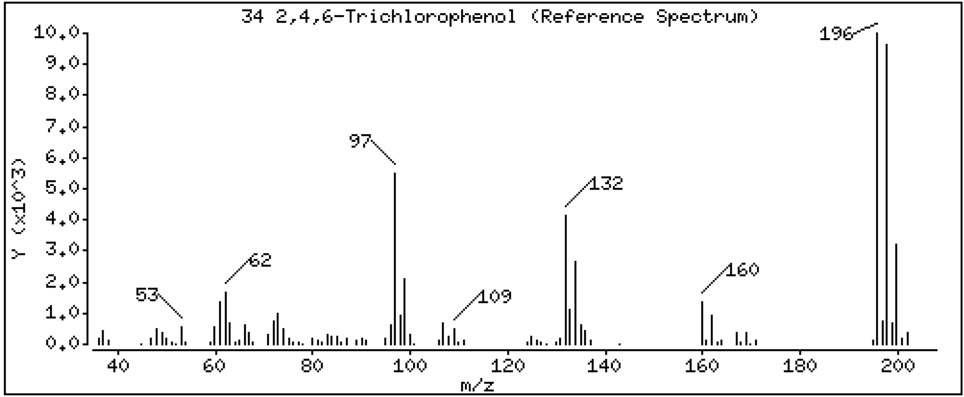
Operator: VTS

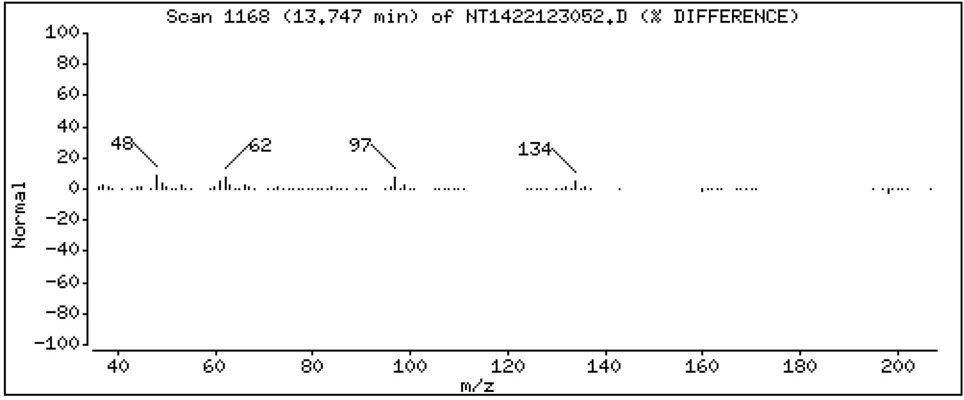
Column phase: ZB-5msi Column diameter: 0.25

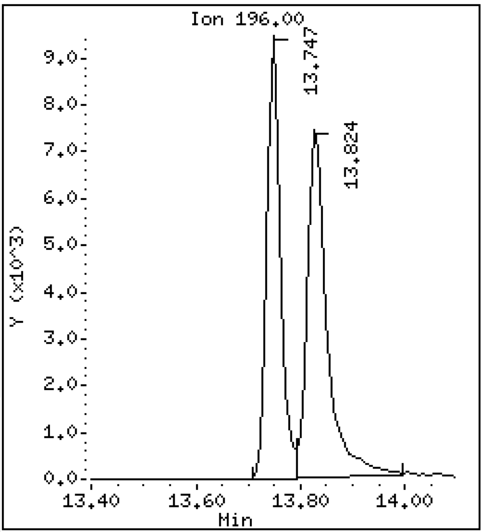
34 2,4,6-Trichlorophenol Concentration: 0.8903 ug/mL

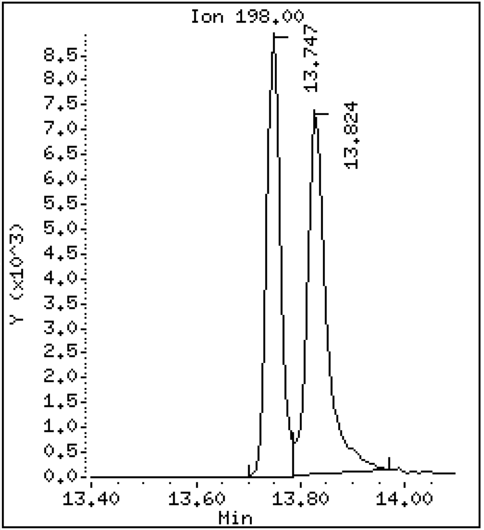


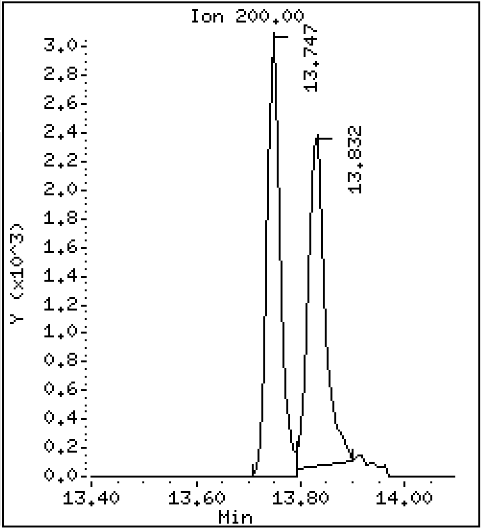












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Date : 31-DEC-2022 15:05

Client ID:

Instrument: nt14.i

Sample Info: SKL0356-LCV2

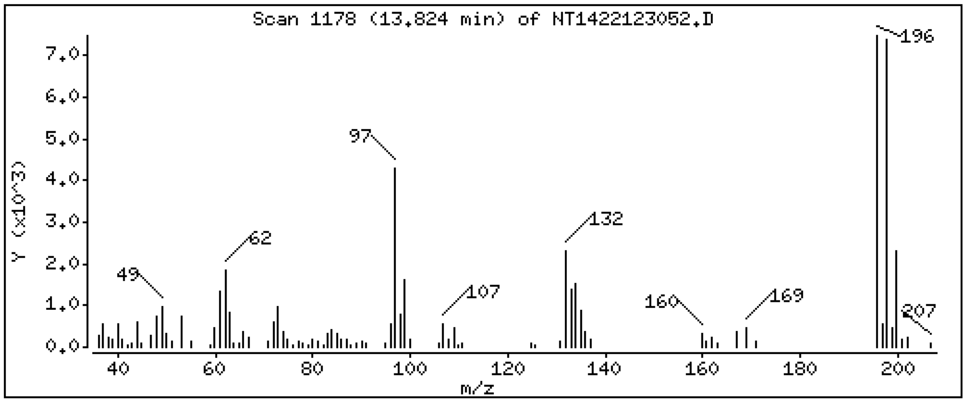
Operator: VTS

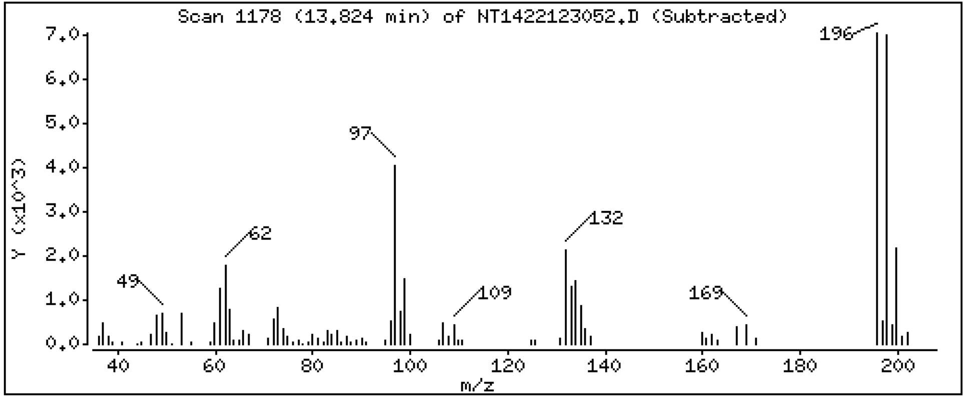
Column phase: ZB-5msi

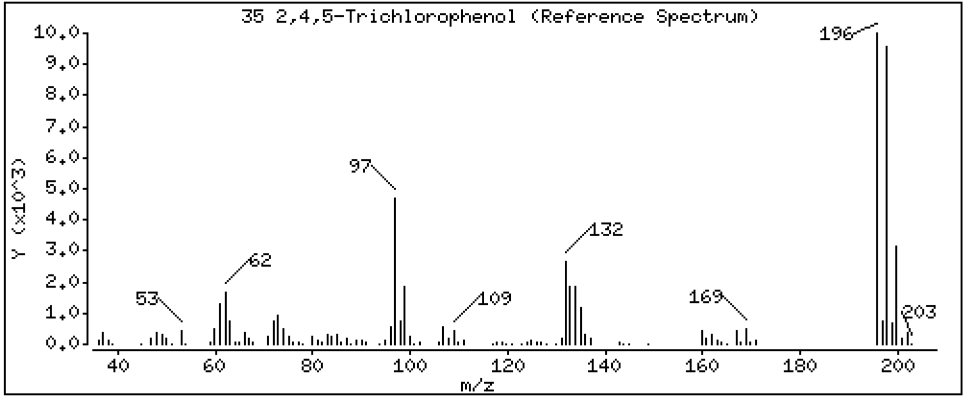
Column diameter: 0.25

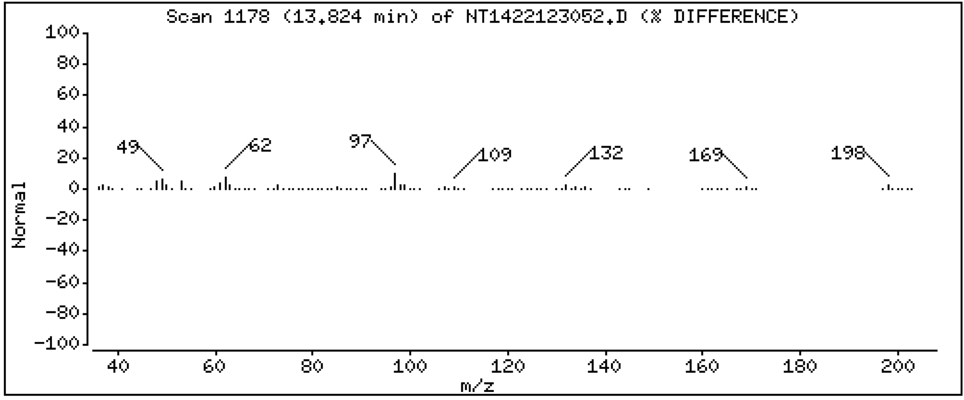
35 2,4,5-Trichlorophenol

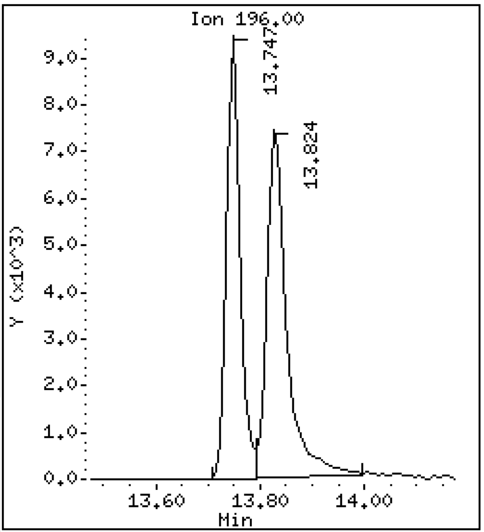
Concentration: 0.8994 ug/mL

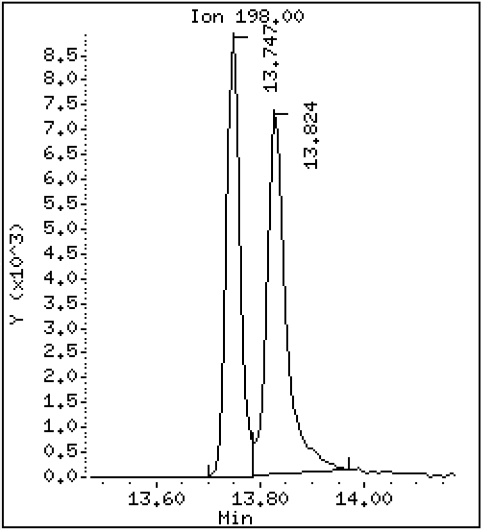


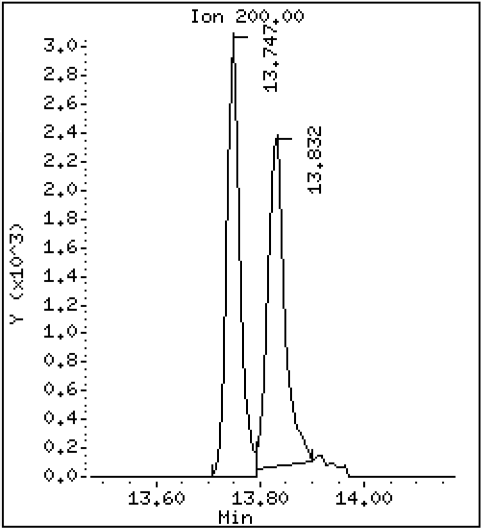












Data File: \\target\share\chem3\nt14.i\20221230B.b\NT1422123052.D

Date : 31-DEC-2022 15:05

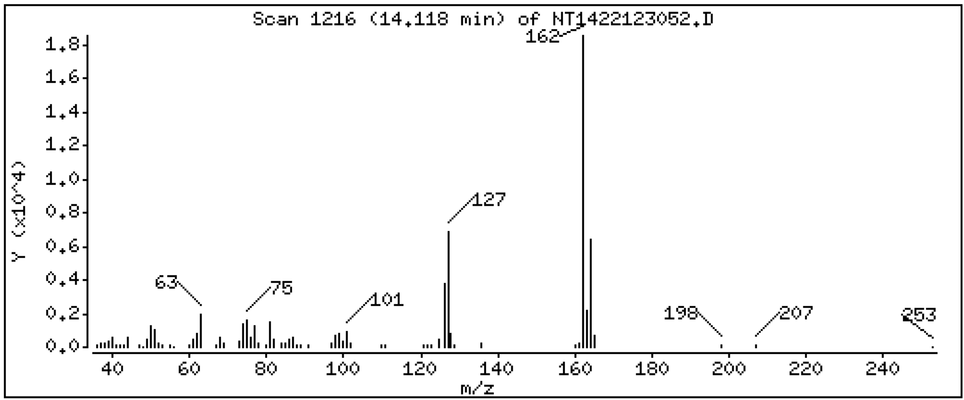
Client ID: Instrument: nt14.i

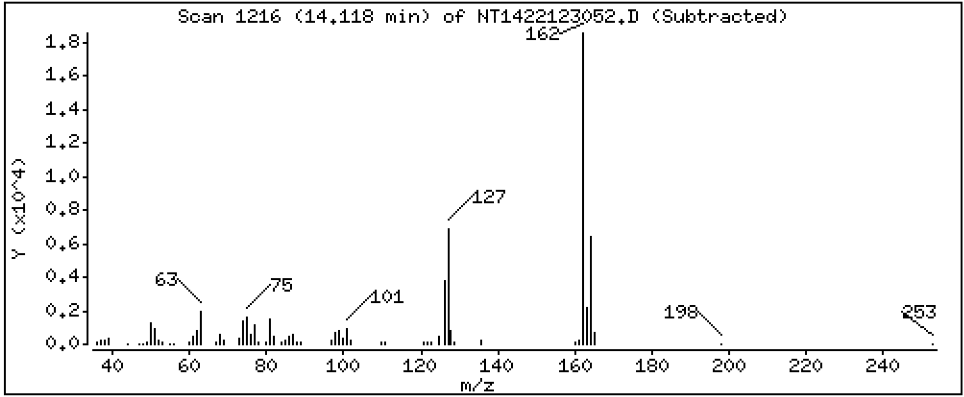
Sample Info: SKL0356-LCV2

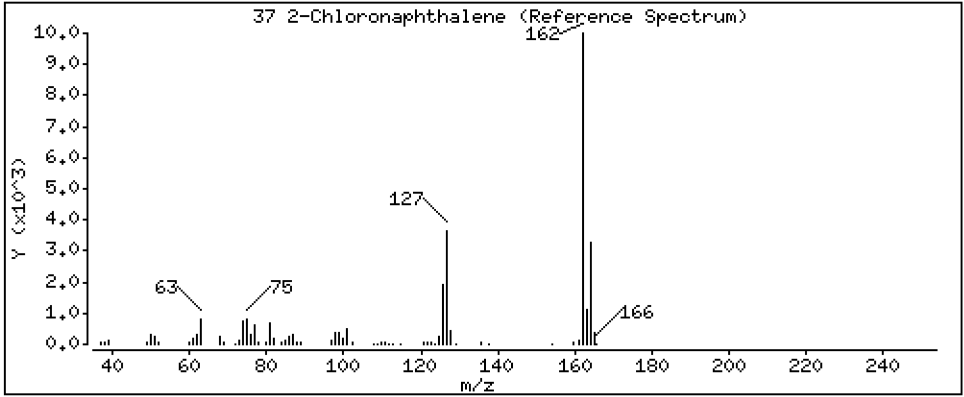
Operator: VTS

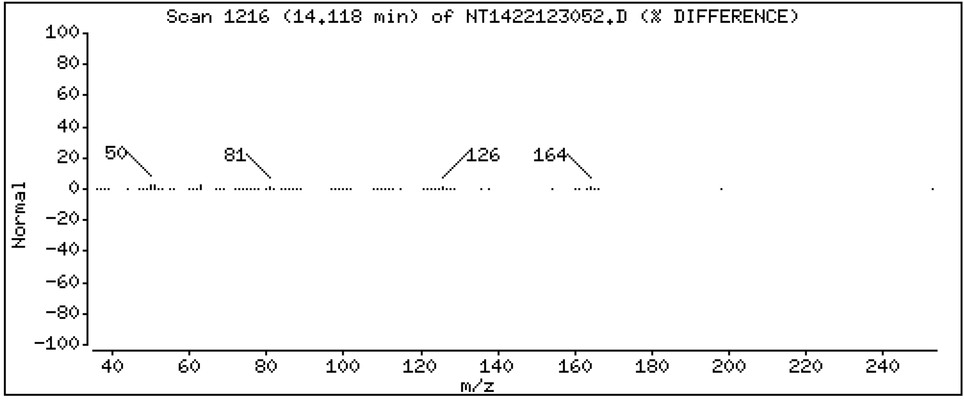
Column phase: ZB-5msi Column diameter: 0.25

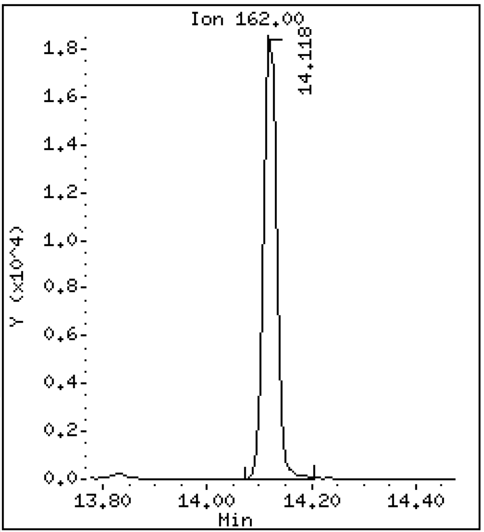
37 2-Chloronaphthalene Concentration: 0.4882 ug/mL

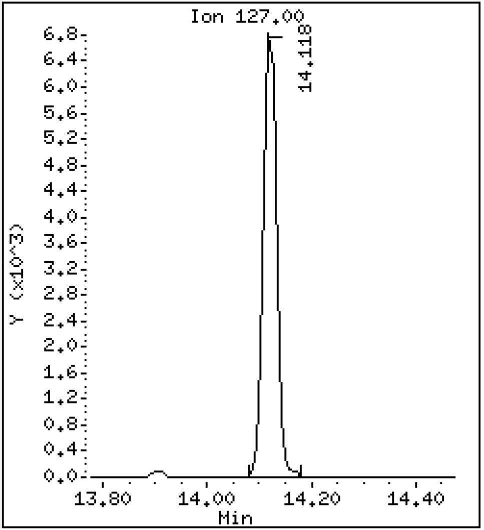


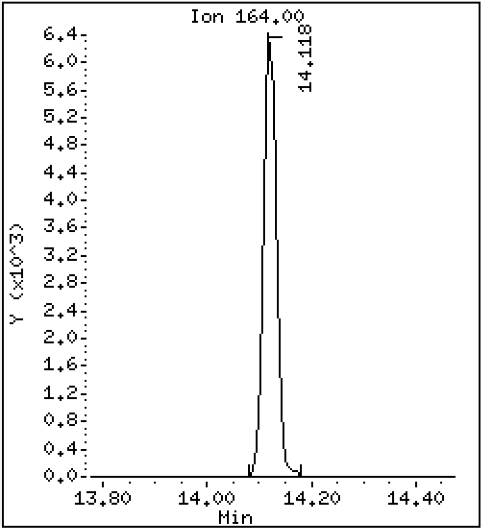












Data File: \\target\share\chem3\nt14.i\20221230B.b\NT1422123052.D

Date : 31-DEC-2022 15:05

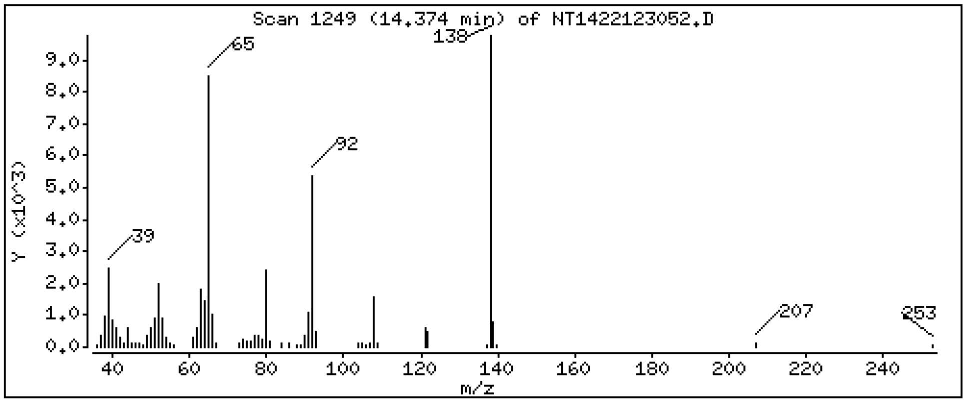
Client ID: Instrument: nt14.i

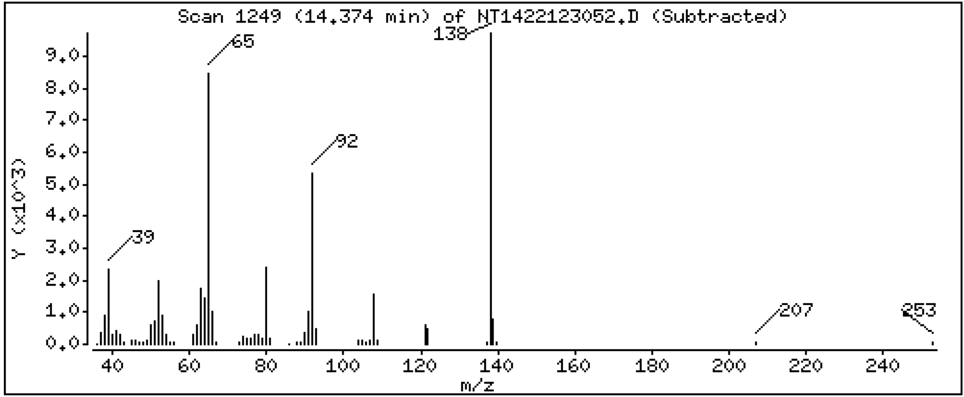
Sample Info: SKL0356-LCV2

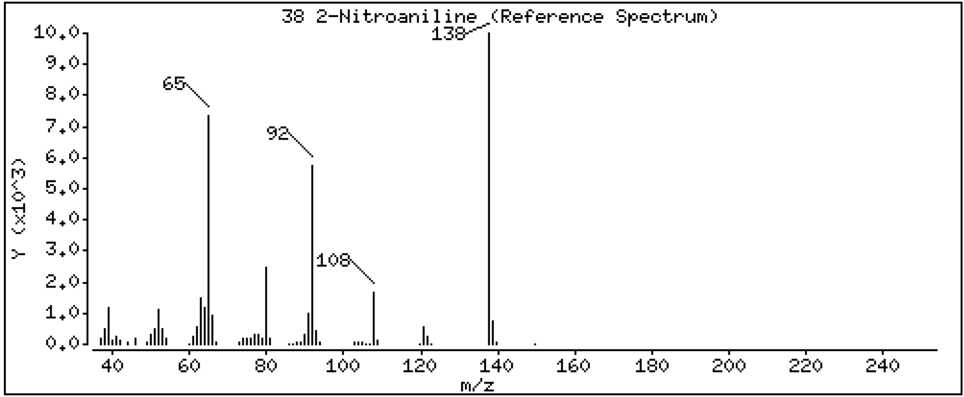
Operator: VTS

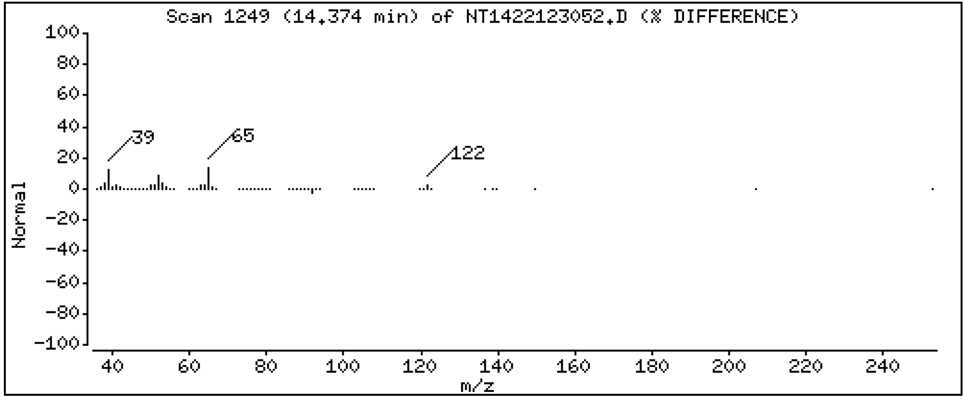
Column phase: ZB-5msi Column diameter: 0.25

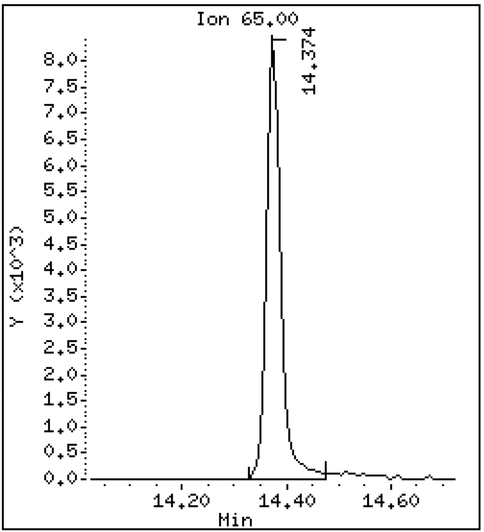
38 2-Nitroaniline Concentration: 0.9202 ug/mL

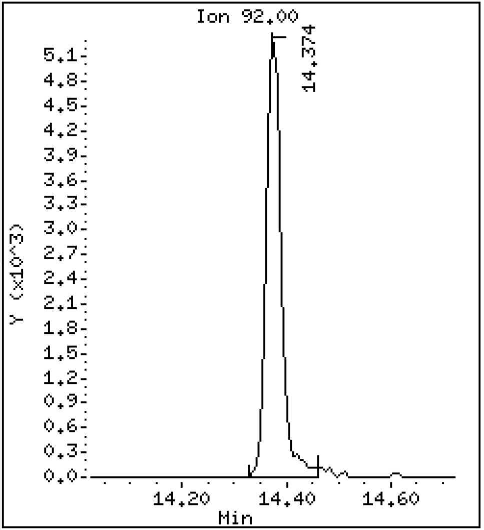


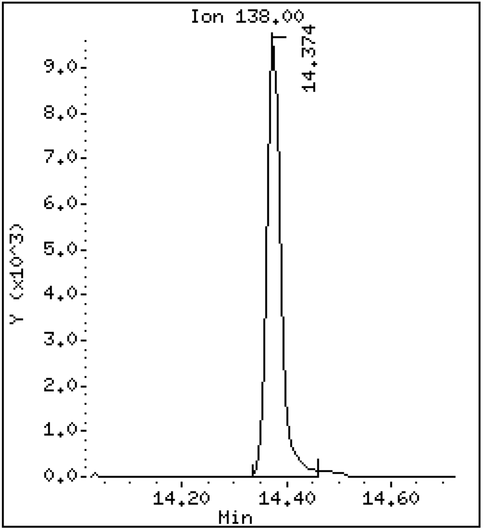












Data File: \\target\share\chem3\nt14.i\20221230B.b\NT1422123052.D

Date : 31-DEC-2022 15:05

Client ID:

Instrument: nt14.i

Sample Info: SKL0356-LCV2

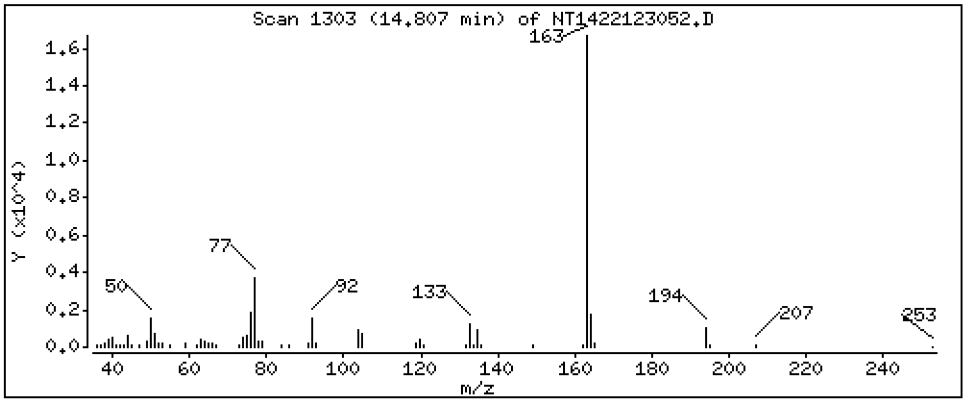
Operator: VTS

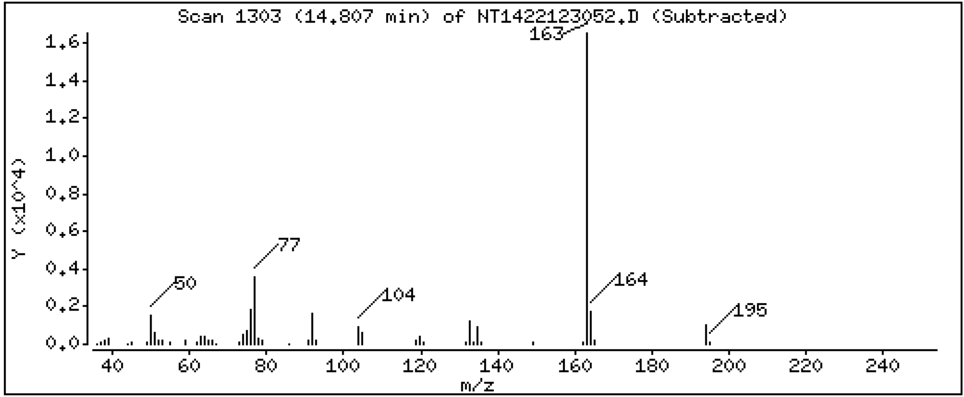
Column phase: ZB-5msi

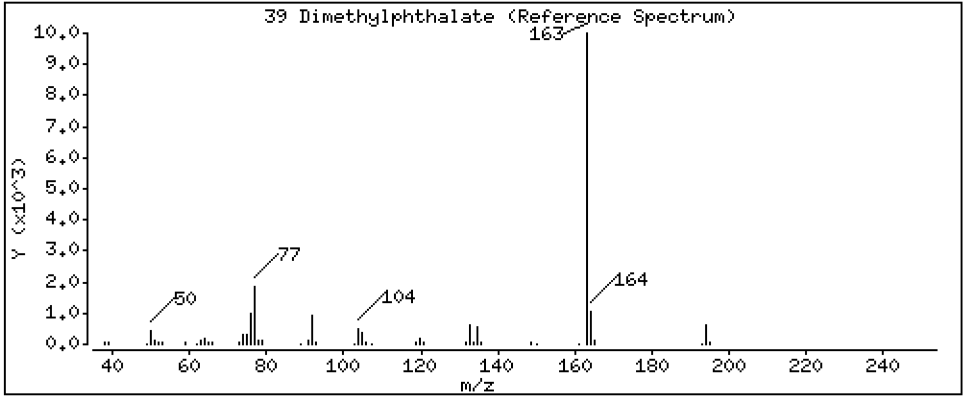
Column diameter: 0.25

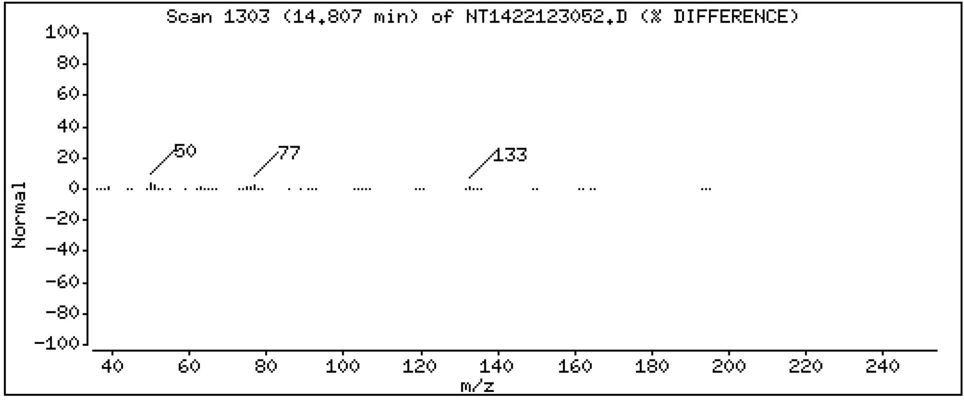
39 Dimethylphthalate

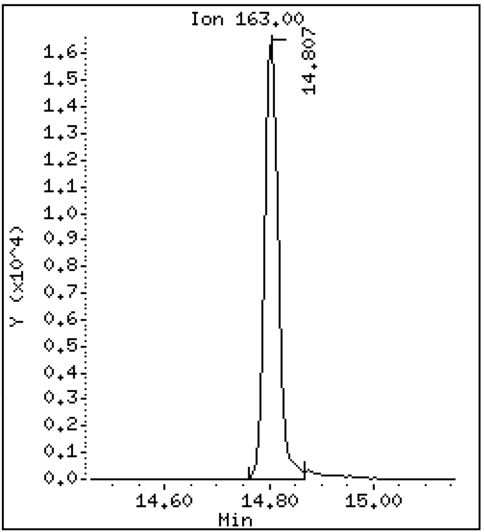
Concentration: 0.4656 ug/mL

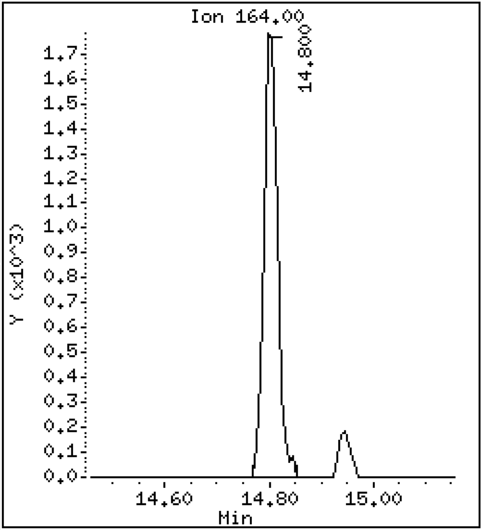


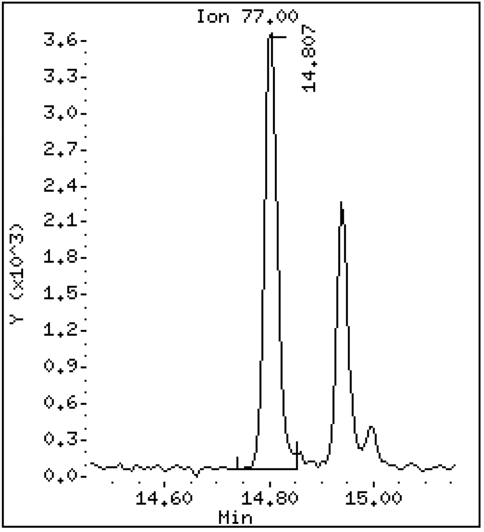












Data File: \\target\share\chem3\nt14.i\20221230B.b\NT1422123052.D

Date : 31-DEC-2022 15:05

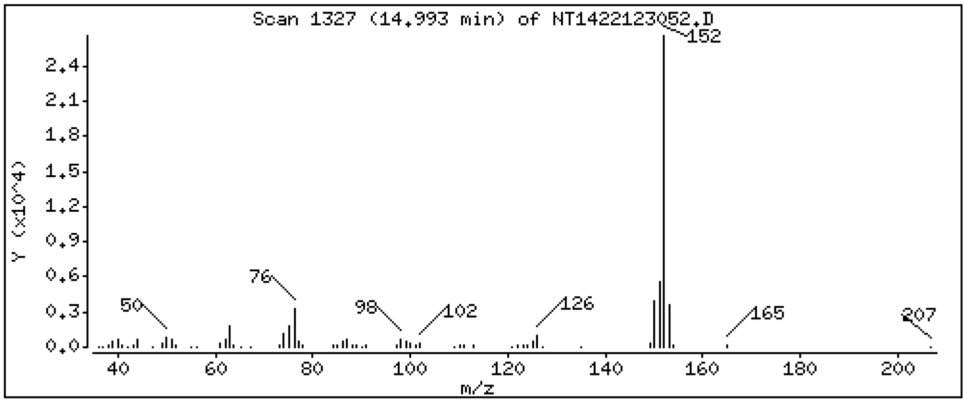
Client ID: Instrument: nt14.i

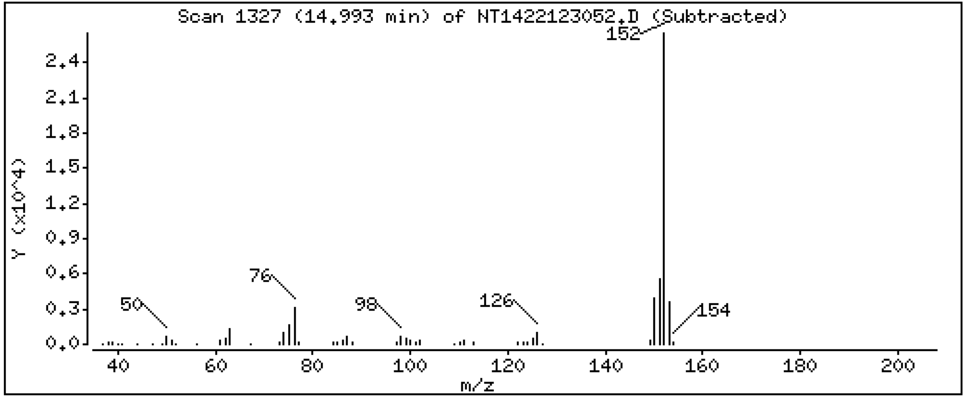
Sample Info: SKL0356-LCV2

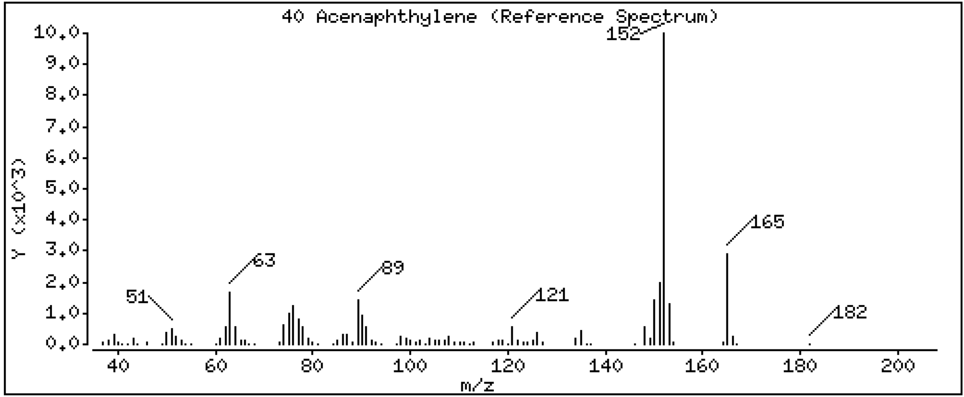
Operator: VTS

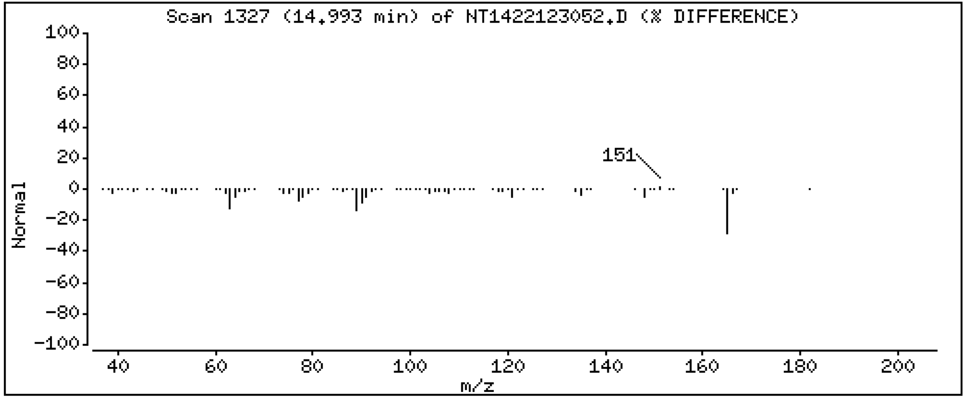
Column phase: ZB-5msi Column diameter: 0.25

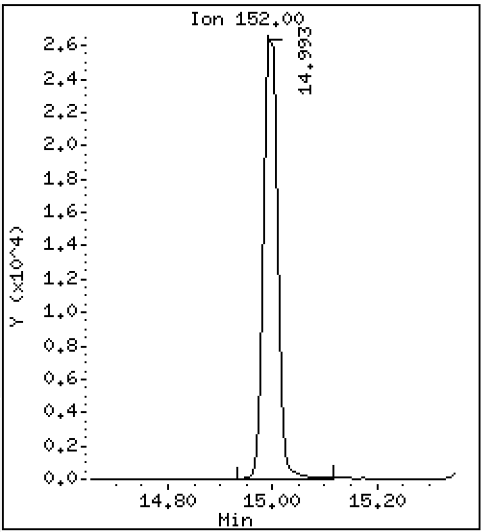
40 Acenaphthylene Concentration: 0.5321 ug/mL

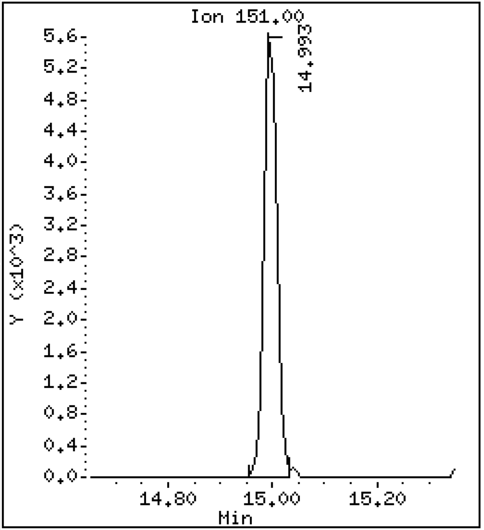

Scan 1327 (14.993 min) of NT1422123052.D

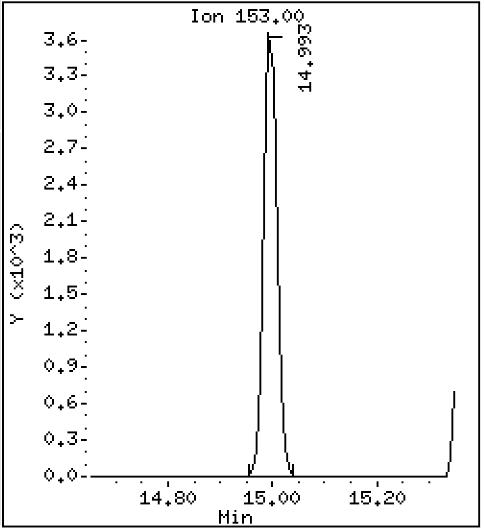

Scan 1327 (14.993 min) of NT1422123052.D (Subtracted)


40 Acenaphthylene (Reference Spectrum)


Scan 1327 (14.993 min) of NT1422123052.D (% DIFFERENCE)


Ion 152.00


Ion 151.00


Ion 153.00

Data File: \\target\share\chem3\nt14.i\20221230B.b\NT1422123052.D

Date : 31-DEC-2022 15:05

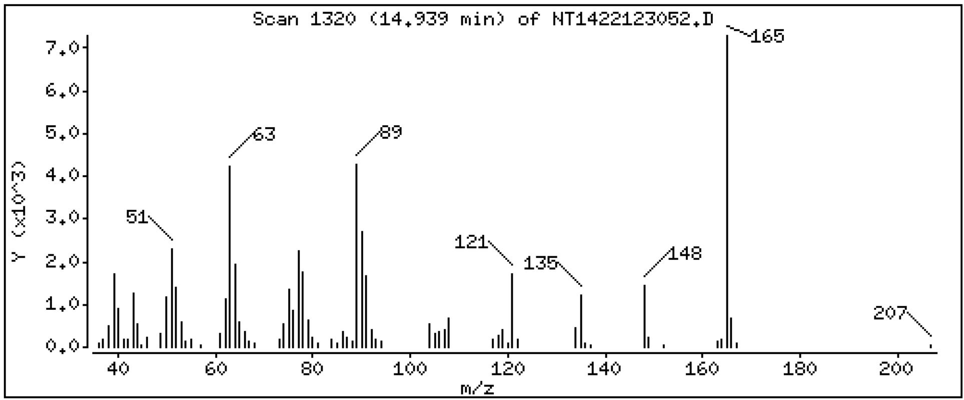
Client ID: Instrument: nt14.i

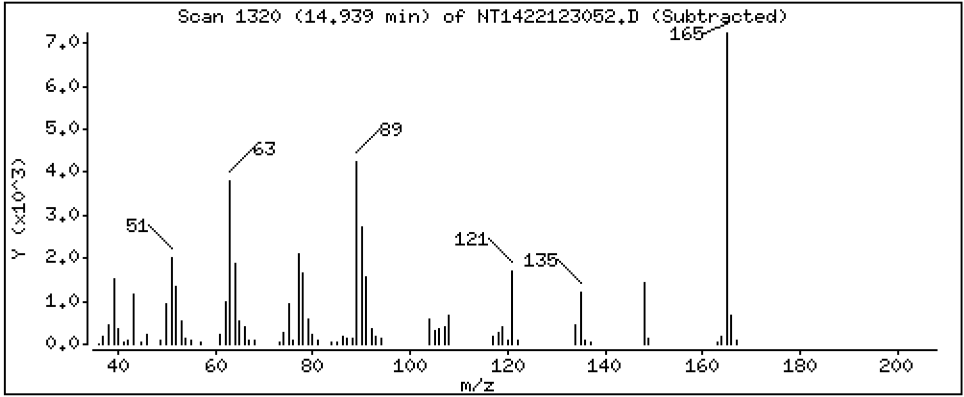
Sample Info: SKL0356-LCV2

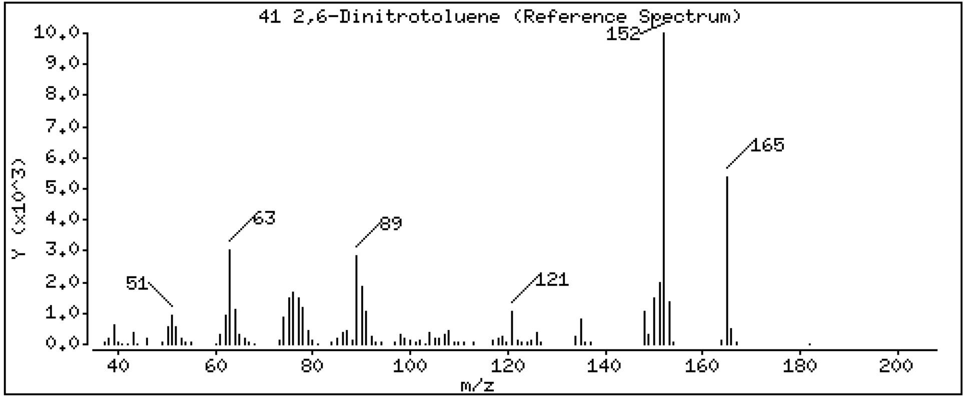
Operator: VTS

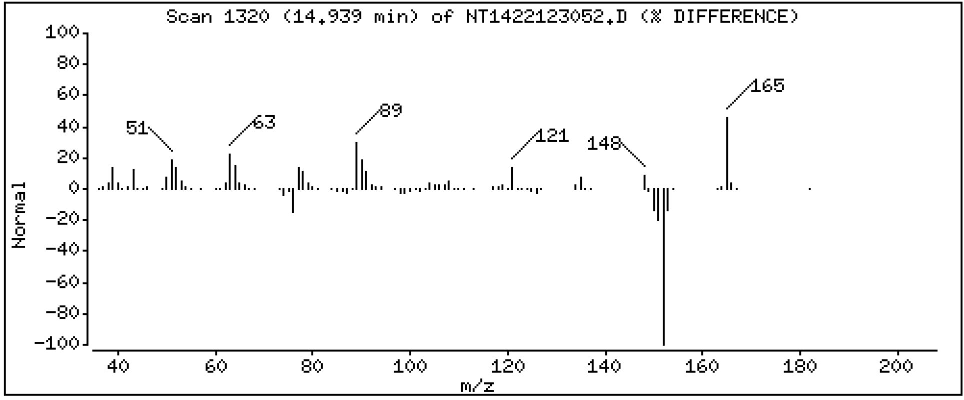
Column phase: ZB-5msi Column diameter: 0.25

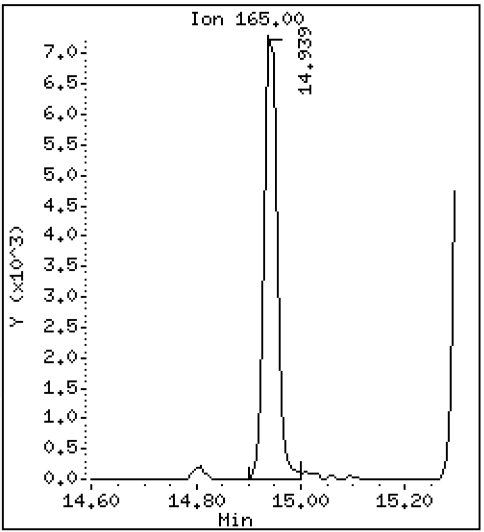
41 2,6-Dinitrotoluene Concentration: 0.8515 ug/mL

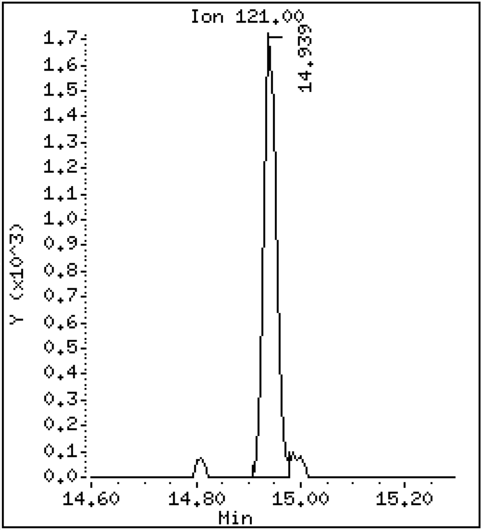

Scan 1320 (14.939 min) of NT1422123052.D

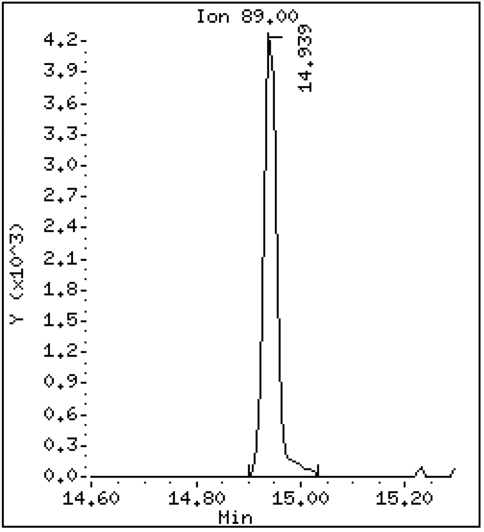

Scan 1320 (14.939 min) of NT1422123052.D (Subtracted)


41 2,6-Dinitrotoluene (Reference Spectrum)


Scan 1320 (14.939 min) of NT1422123052.D (% DIFFERENCE)


Ion 165.00


Ion 121.00


Ion 89.00

Data File: \\target\share\chem3\nt14.i\20221230B.b\NT1422123052.D

Date : 31-DEC-2022 15:05

Client ID:

Instrument: nt14.i

Sample Info: SKL0356-LCV2

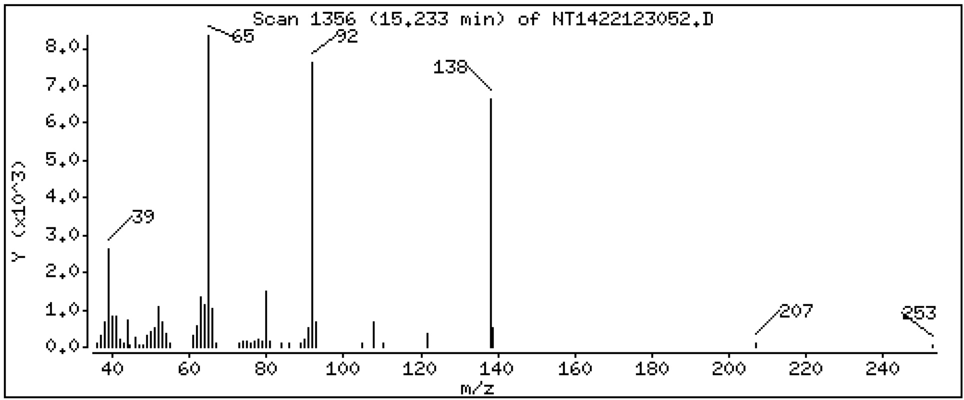
Operator: VTS

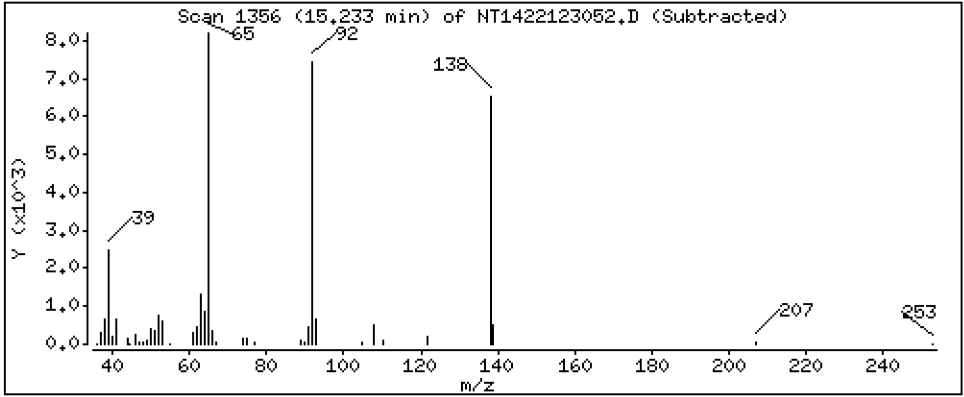
Column phase: ZB-5msi

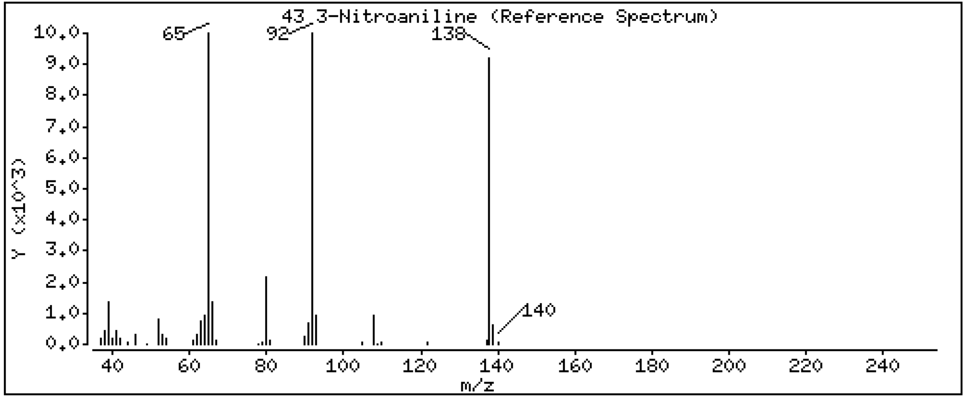
Column diameter: 0.25

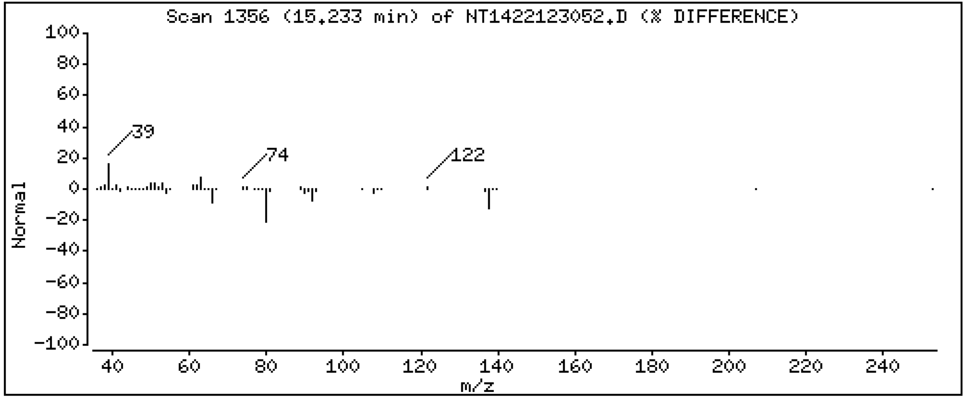
43 3-Nitroaniline

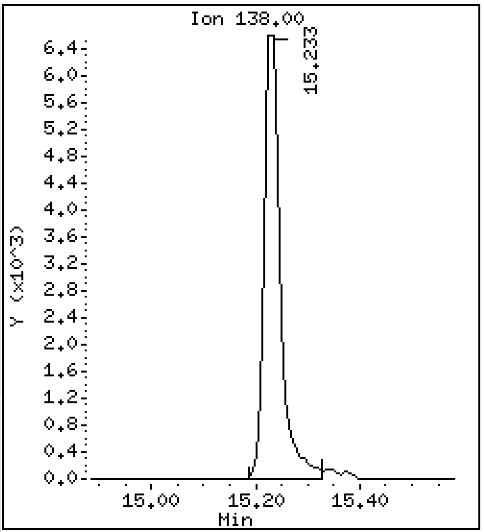
Concentration: 0.8004 ug/mL

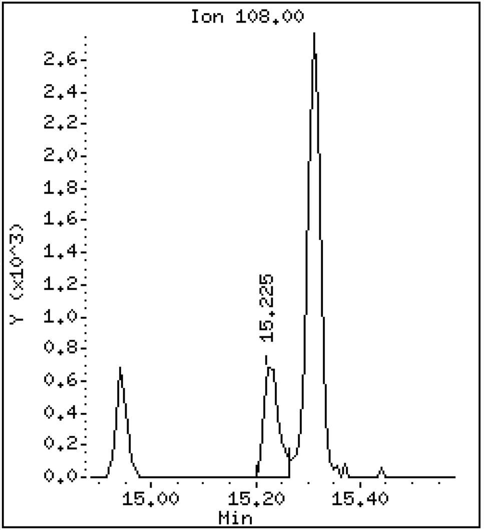


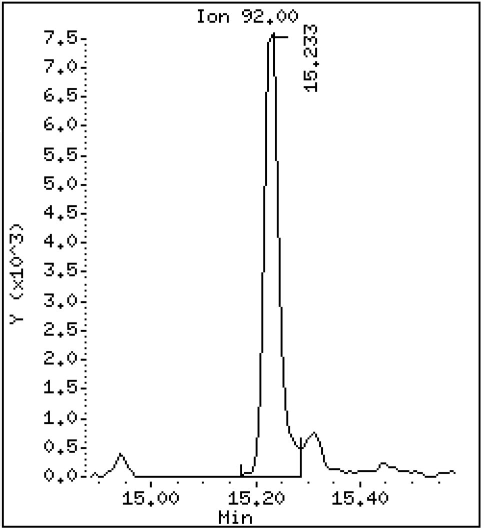












Data File: \\target\share\chem3\nt14.i\20221230B.b\NT1422123052.D

Date : 31-DEC-2022 15:05

Client ID:

Instrument: nt14.i

Sample Info: SKL0356-LCV2

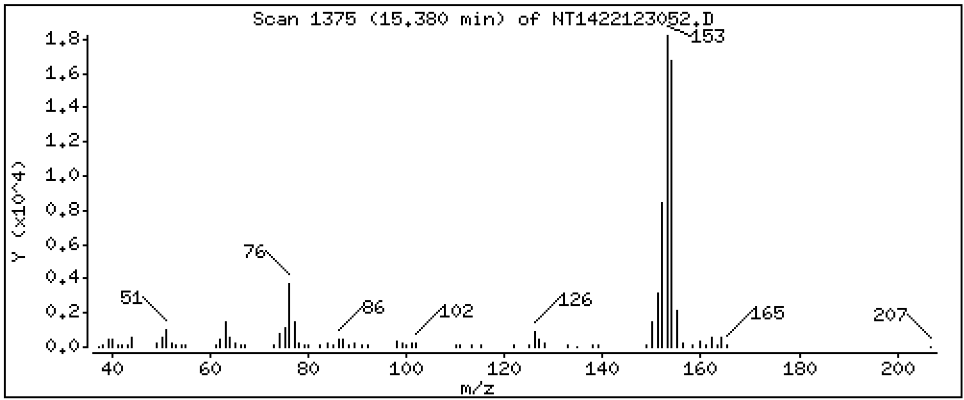
Operator: VTS

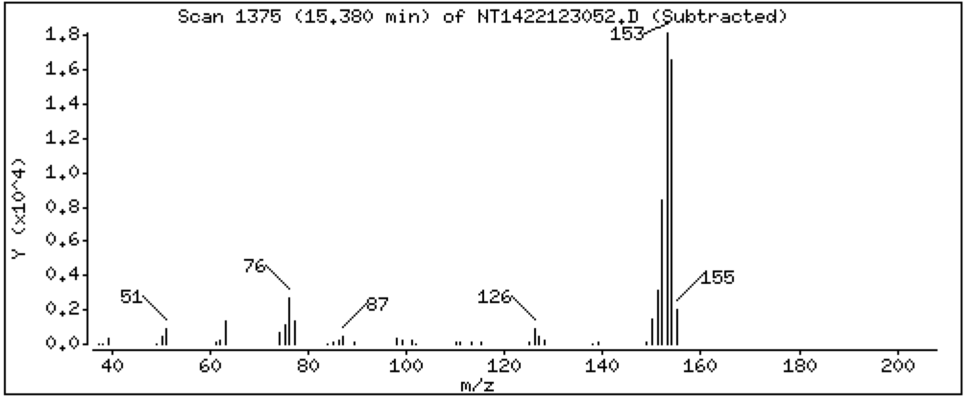
Column phase: ZB-5msi

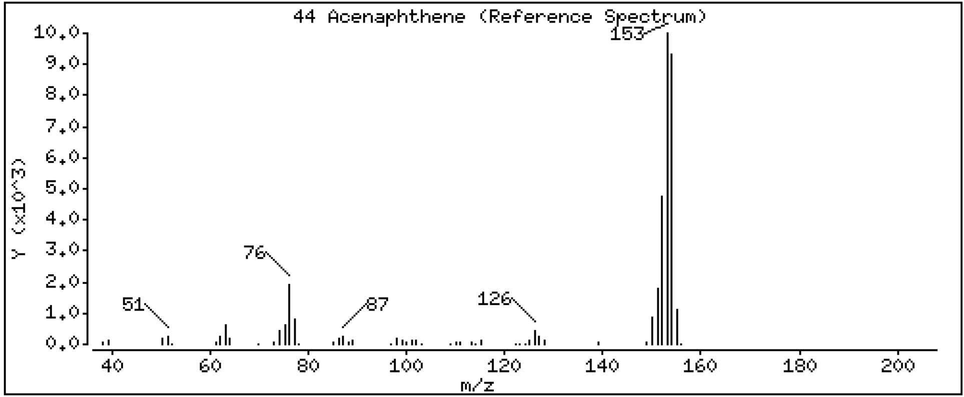
Column diameter: 0.25

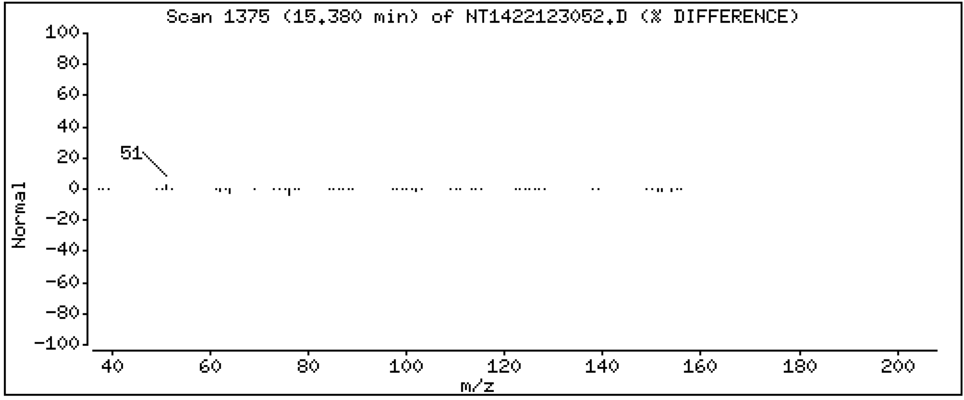
44 Acenaphthene

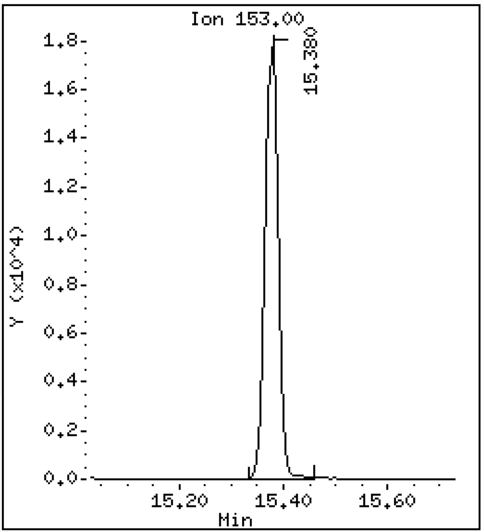
Concentration: 0.4966 ug/mL

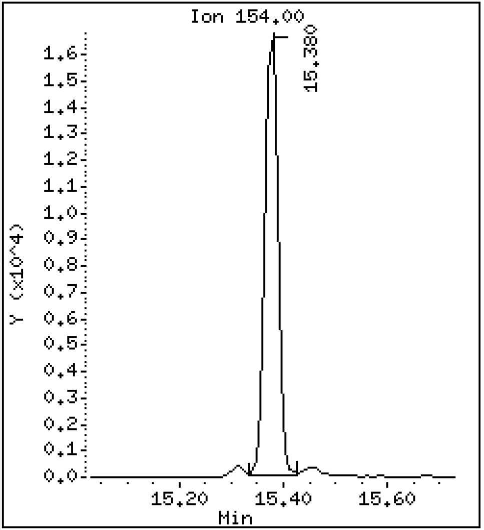

Scan 1375 (15.380 min) of NT1422123052.D

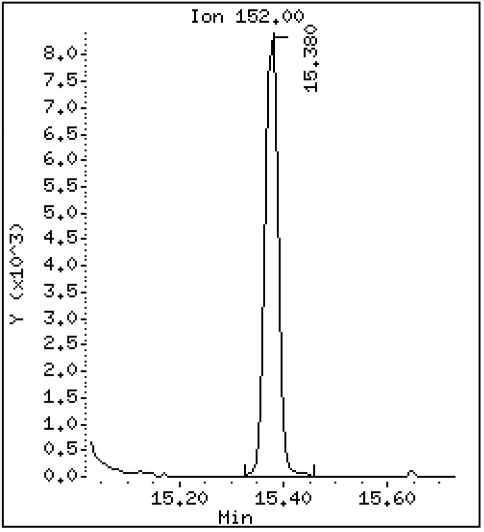

Scan 1375 (15.380 min) of NT1422123052.D (Subtracted)


44 Acenaphthene (Reference Spectrum)


Scan 1375 (15.380 min) of NT1422123052.D (% DIFFERENCE)


Ion 153.00


Ion 154.00


Ion 152.00

Data File: \\target\share\chem3\nt14.i\20221230B.b\NT1422123052.D

Date : 31-DEC-2022 15:05

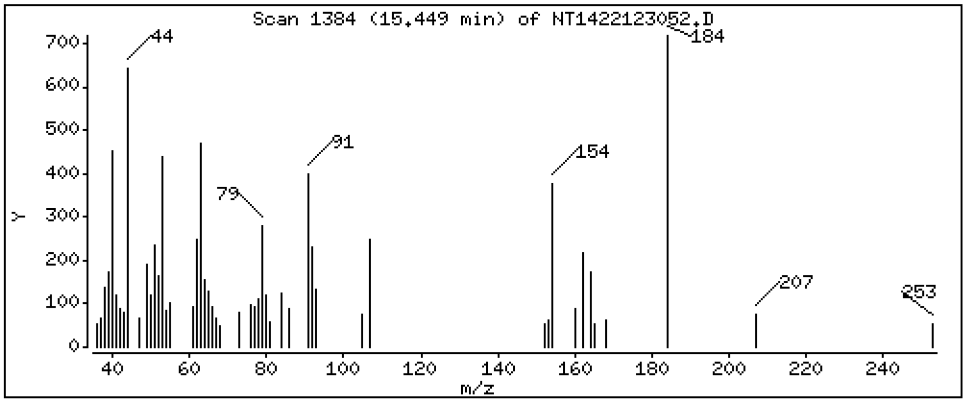
Client ID: Instrument: nt14.i

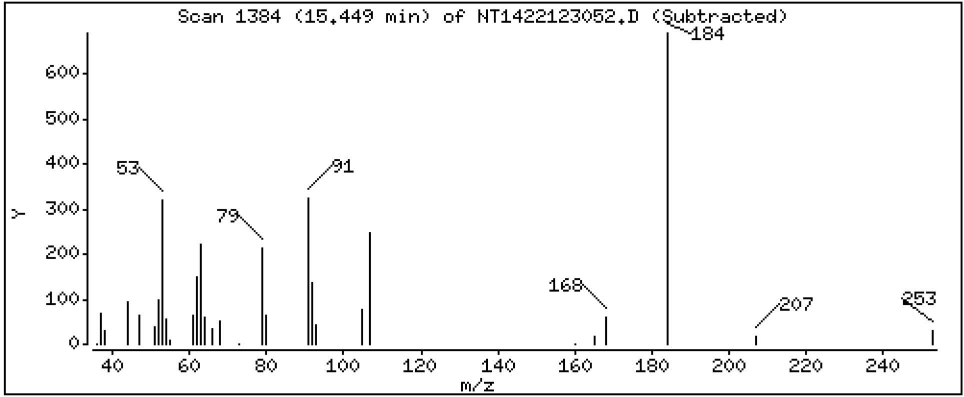
Sample Info: SKL0356-LCV2

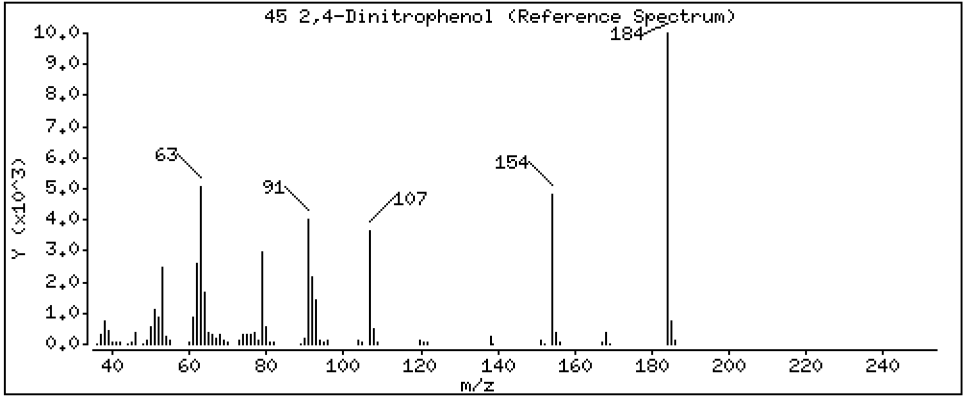
Operator: VTS

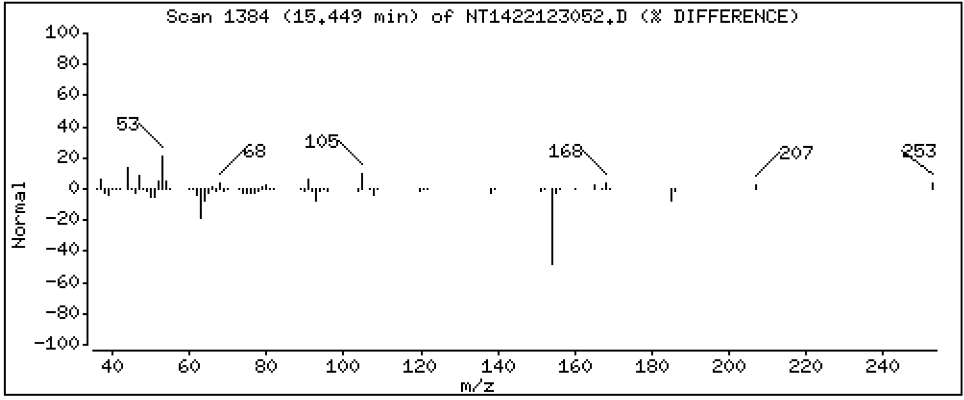
Column phase: ZB-5msi Column diameter: 0.25

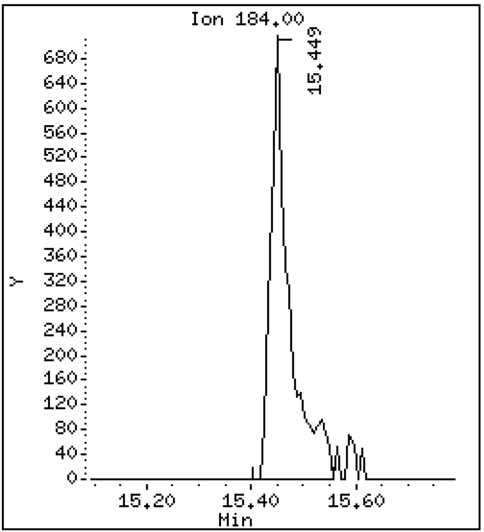
45 2,4-Dinitrophenol Concentration: 0.1450 ug/mL

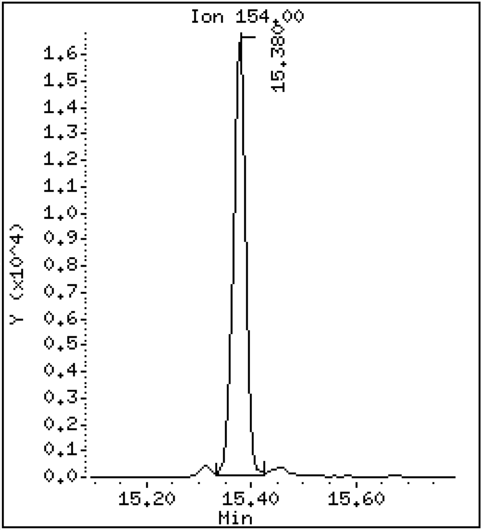

Scan 1384 (15.449 min) of NT1422123052.D

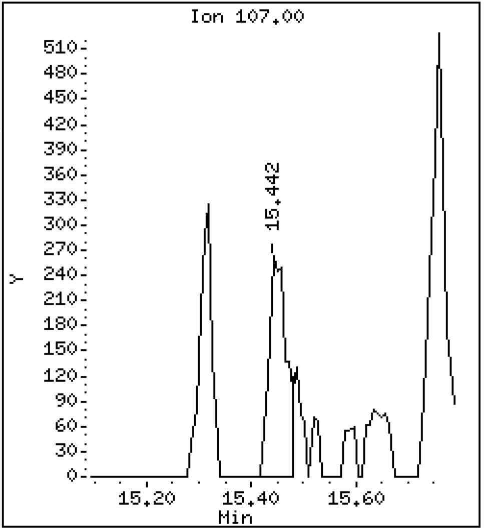

Scan 1384 (15.449 min) of NT1422123052.D (Subtracted)


45 2,4-Dinitrophenol (Reference Spectrum)


Scan 1384 (15.449 min) of NT1422123052.D (% DIFFERENCE)


Ion 184.00


Ion 154.00


Ion 107.00

Data File: \\target\share\chem3\nt14.i\20221230B.b\NT1422123052.D

Date : 31-DEC-2022 15:05

Client ID:

Instrument: nt14.i

Sample Info: SKL0356-LCV2

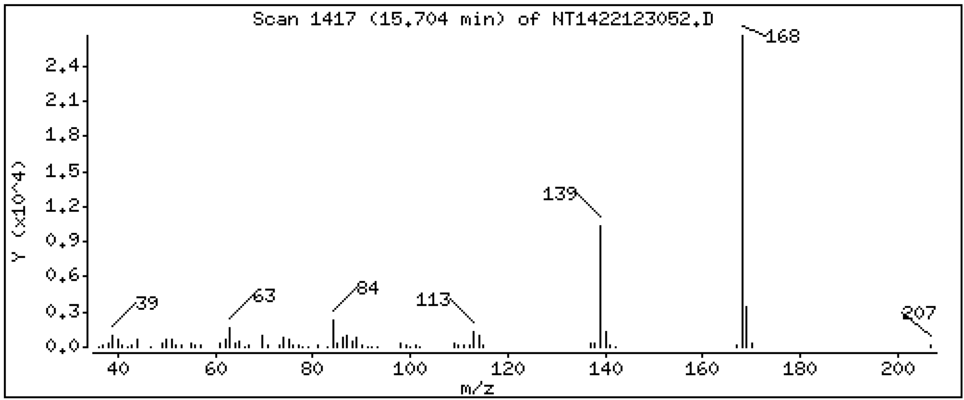
Operator: VTS

Column phase: ZB-5msi

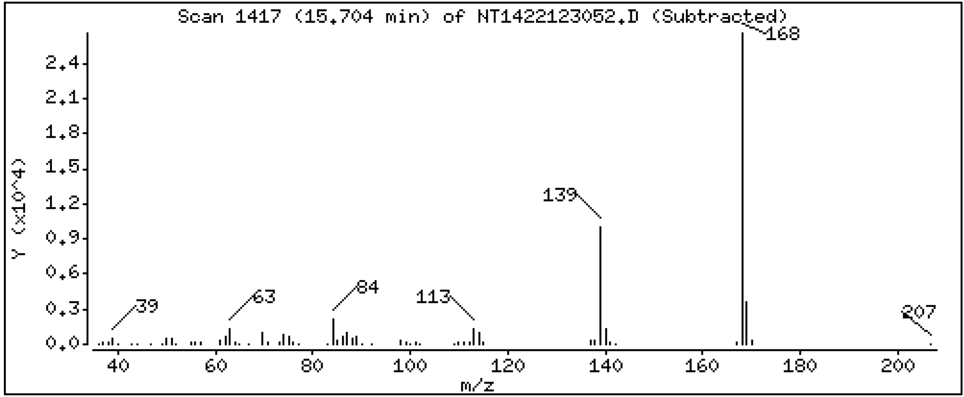
Column diameter: 0.25

46 Dibenzofuran

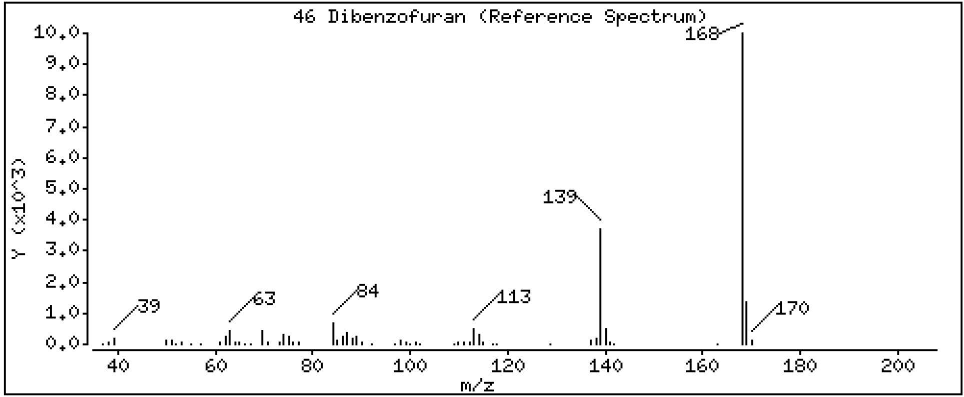
Concentration: 0.4927 ug/mL



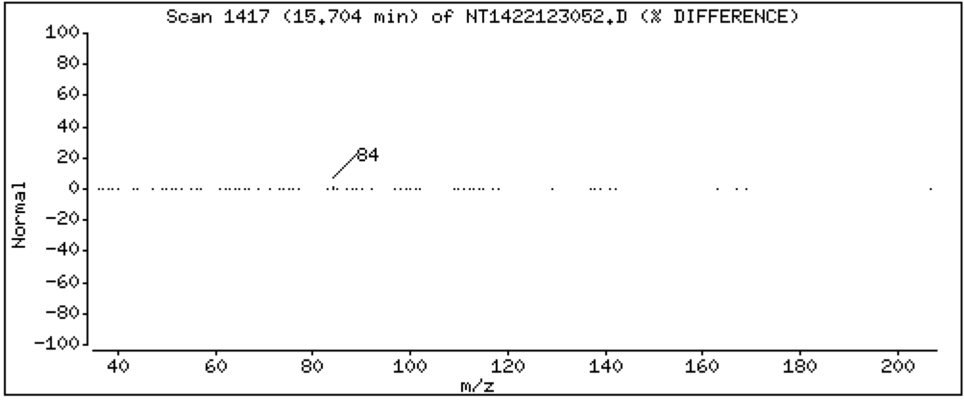
Scan 1417 (15.704 min) of NT1422123052.D



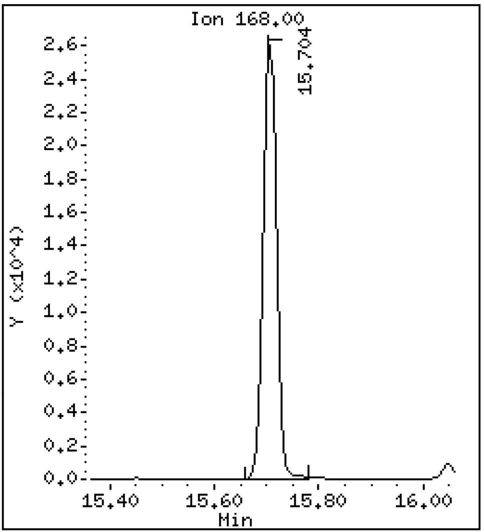
Scan 1417 (15.704 min) of NT1422123052.D (Subtracted)



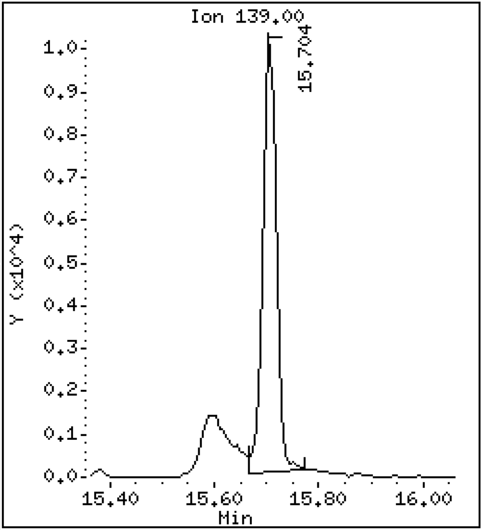
46 Dibenzofuran (Reference Spectrum)



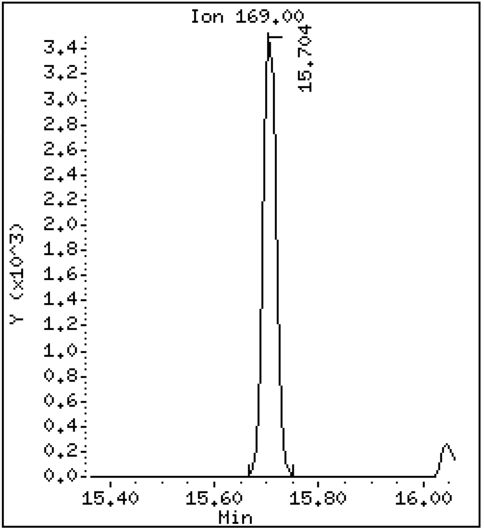
Scan 1417 (15.704 min) of NT1422123052.D (% DIFFERENCE)



Ion 168.00



Ion 139.00



Ion 169.00

Data File: \\target\share\chem3\nt14.i\20221230B.b\NT1422123052.D

Date : 31-DEC-2022 15:05

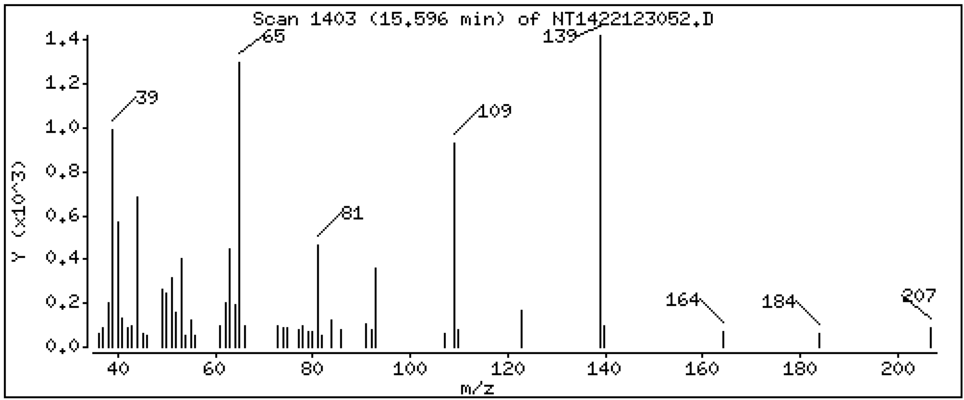
Client ID: Instrument: nt14.i

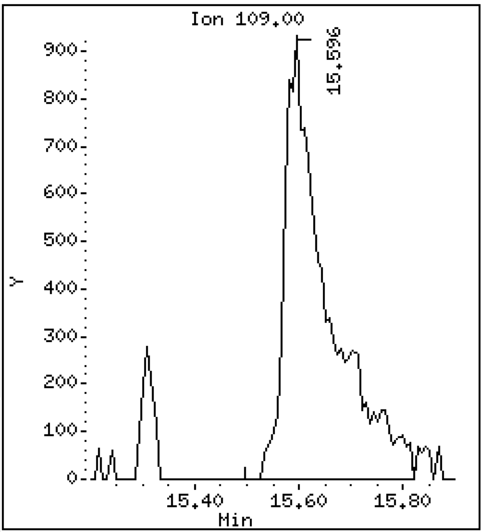
Sample Info: SKL0356-LCV2

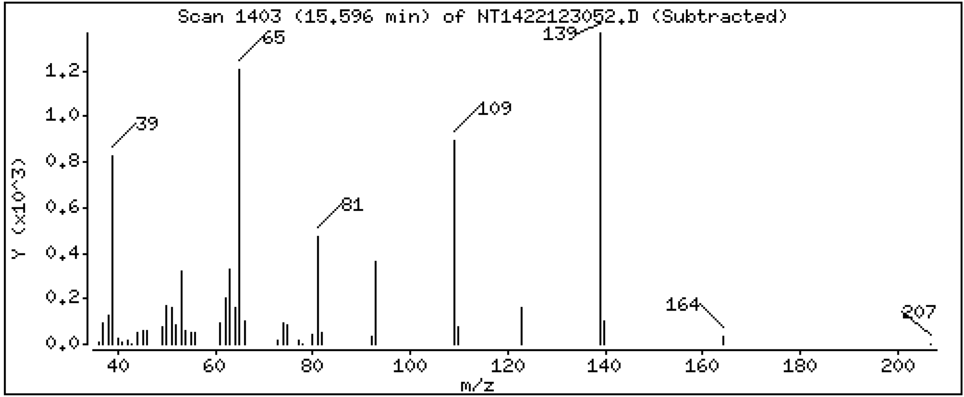
Operator: VTS

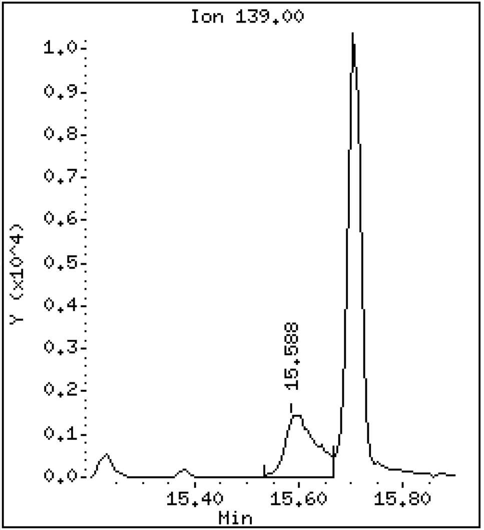
Column phase: ZB-5msi Column diameter: 0.25

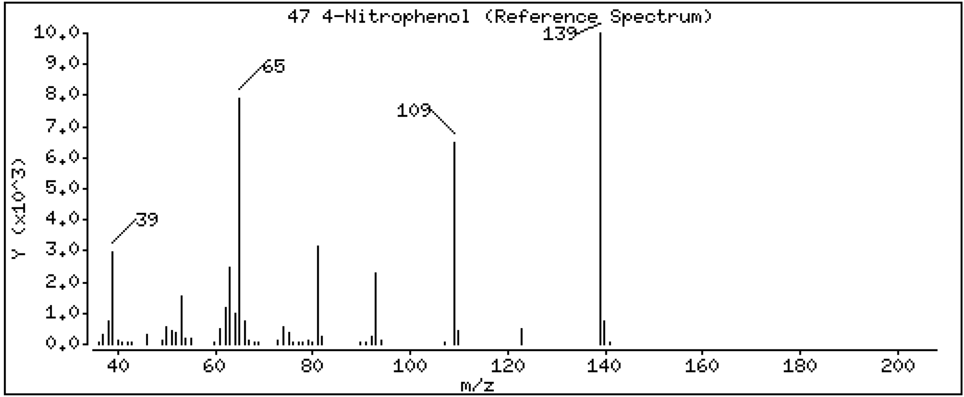
47 4-Nitrophenol Concentration: 0.6475 ug/mL

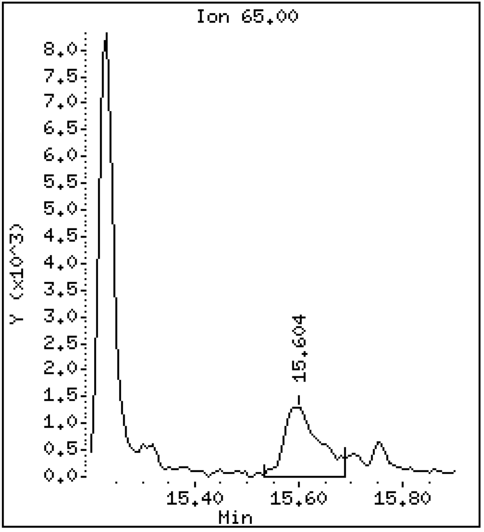

Scan 1403 (15.596 min) of NT1422123052.D

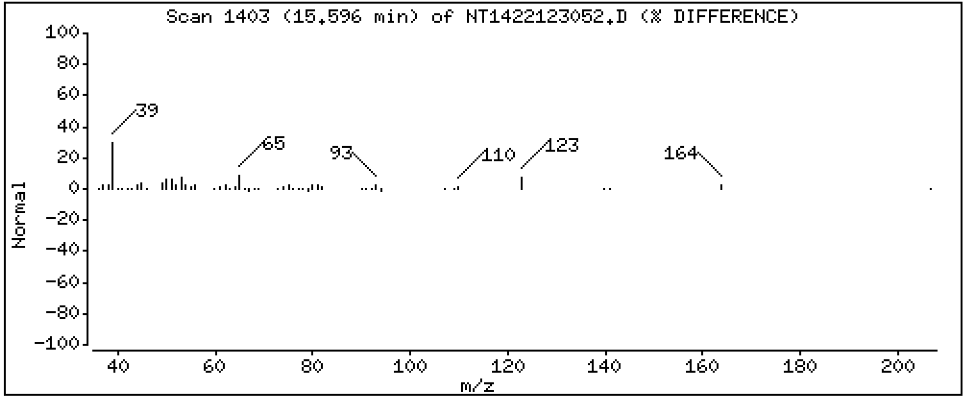

Ion 109.00


Scan 1403 (15.596 min) of NT1422123052.D (Subtracted)


Ion 139.00


47 4-Nitrophenol (Reference Spectrum)


Ion 65.00


Scan 1403 (15.596 min) of NT1422123052.D (% DIFFERENCE)

Data File: \\target\share\chem3\nt14.i\20221230B.b\NT1422123052.D

Date : 31-DEC-2022 15:05

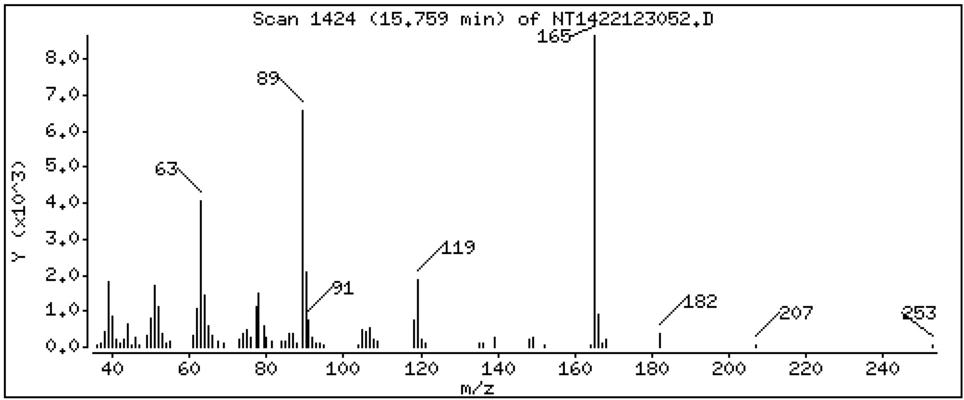
Client ID: Instrument: nt14.i

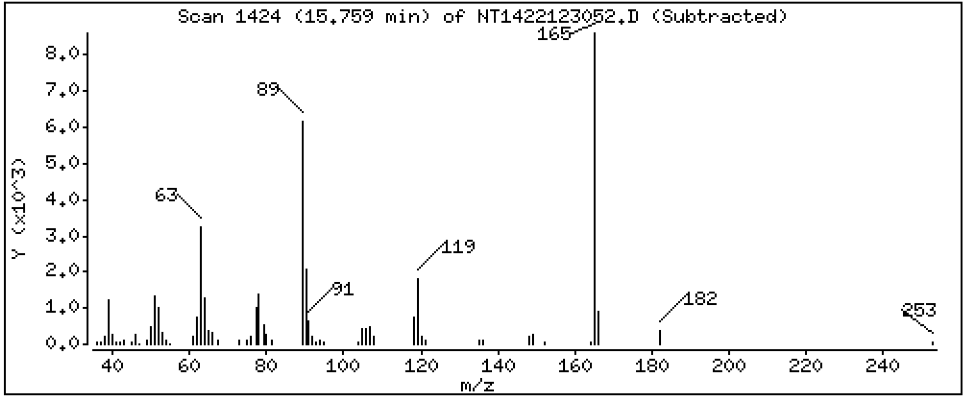
Sample Info: SKL0356-LCV2

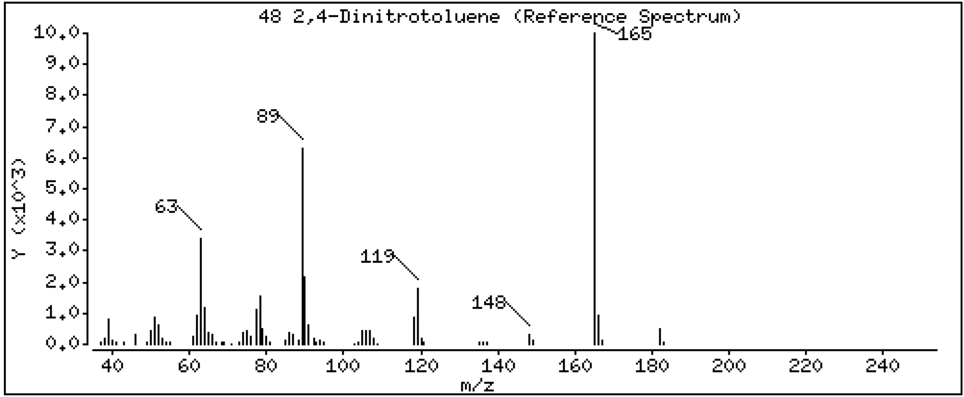
Operator: VTS

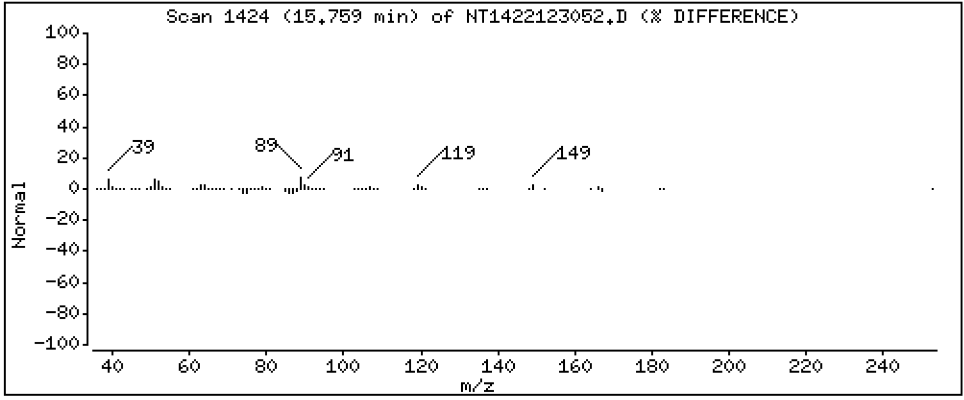
Column phase: ZB-5msi Column diameter: 0.25

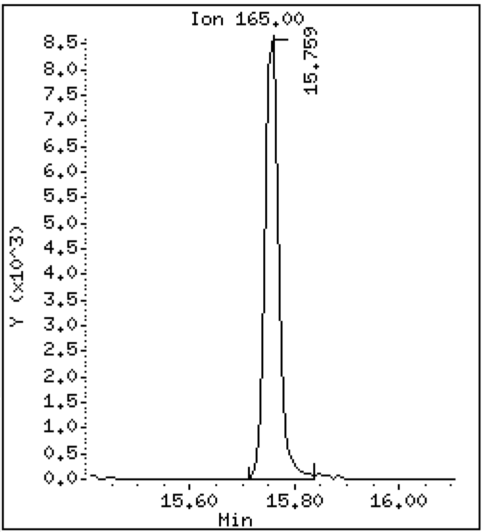
48 2,4-Dinitrotoluene Concentration: 0.7788 ug/mL

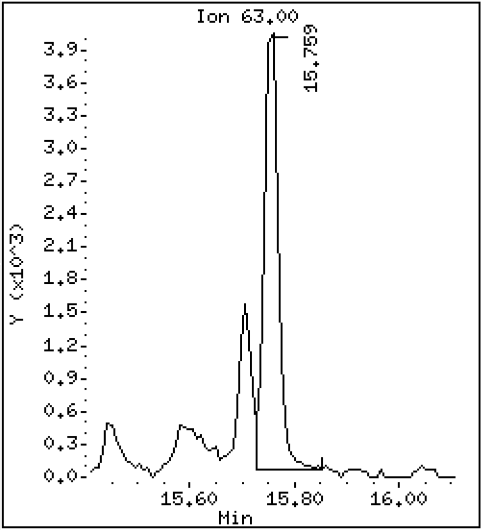


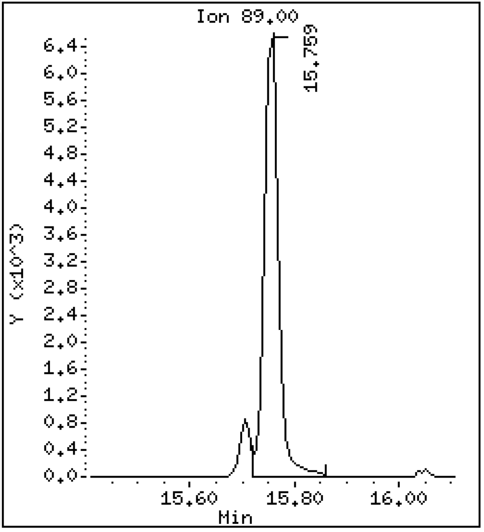












Data File: \\target\share\chem3\nt14.i\20221230B.b\NT1422123052.D

Date : 31-DEC-2022 15:05

Client ID:

Instrument: nt14.i

Sample Info: SKL0356-LCV2

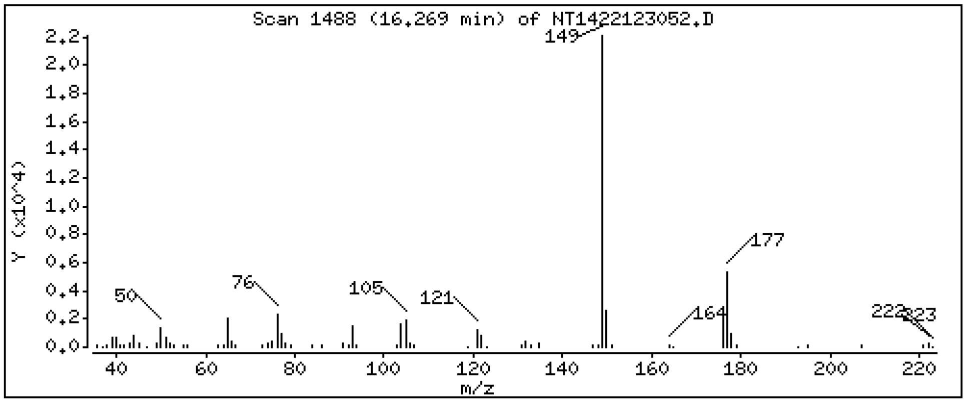
Operator: VTS

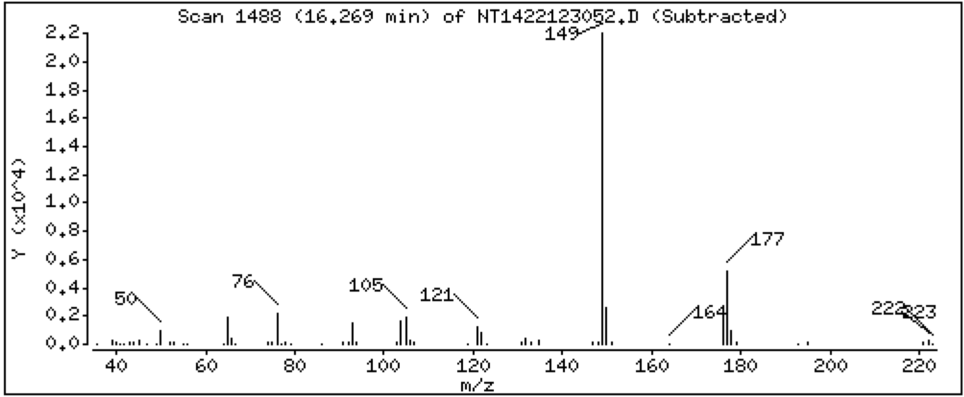
Column phase: ZB-5msi

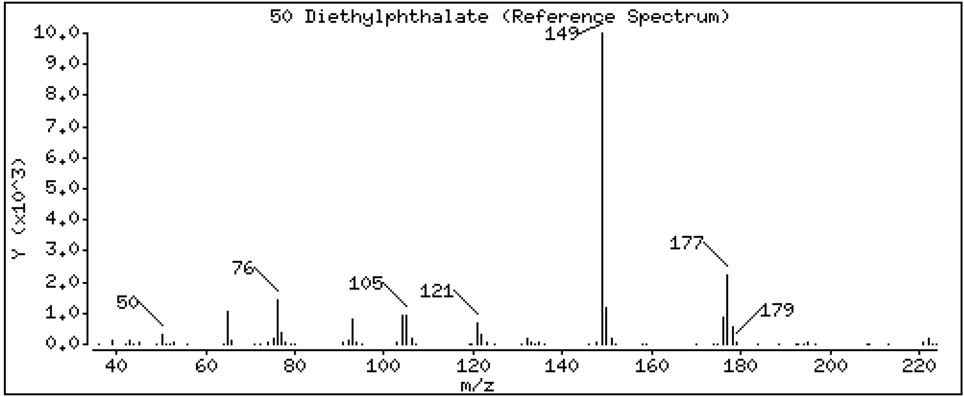
Column diameter: 0.25

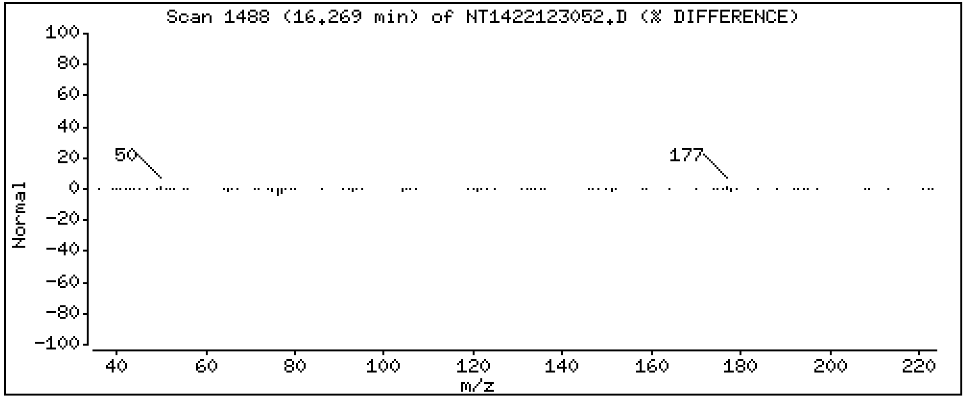
50 Diethylphthalate

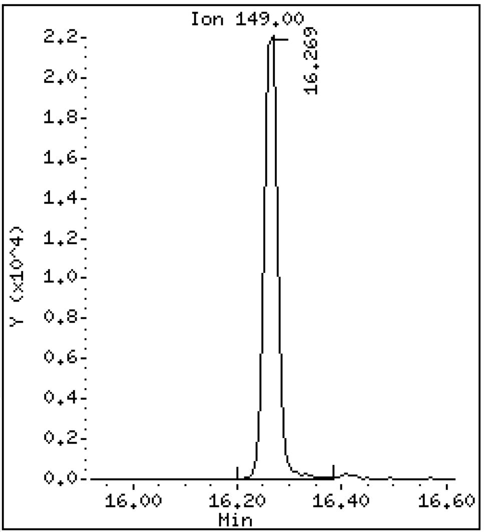
Concentration: 0.5374 ug/mL

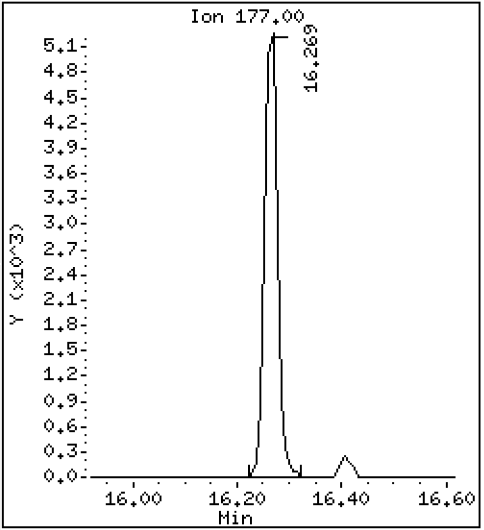


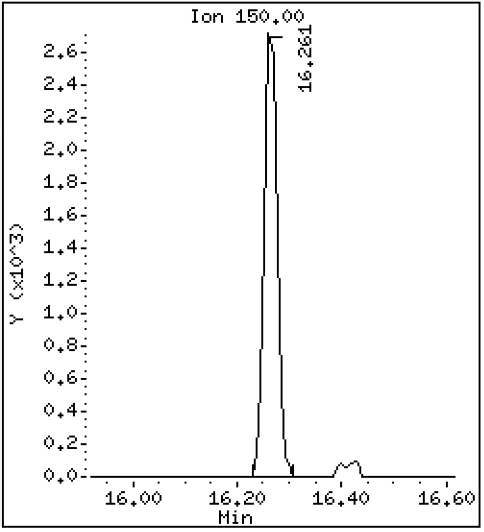












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Date : 31-DEC-2022 15:05

Client ID:

Instrument: nt14.i

Sample Info: SKL0356-LCV2

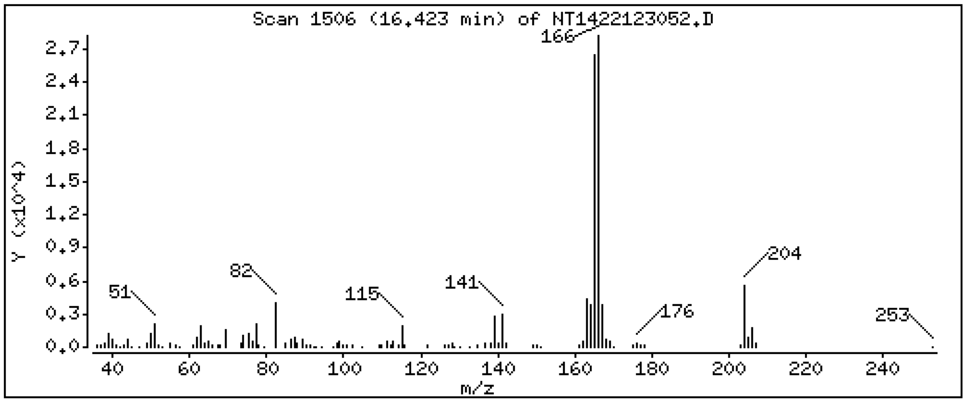
Operator: VTS

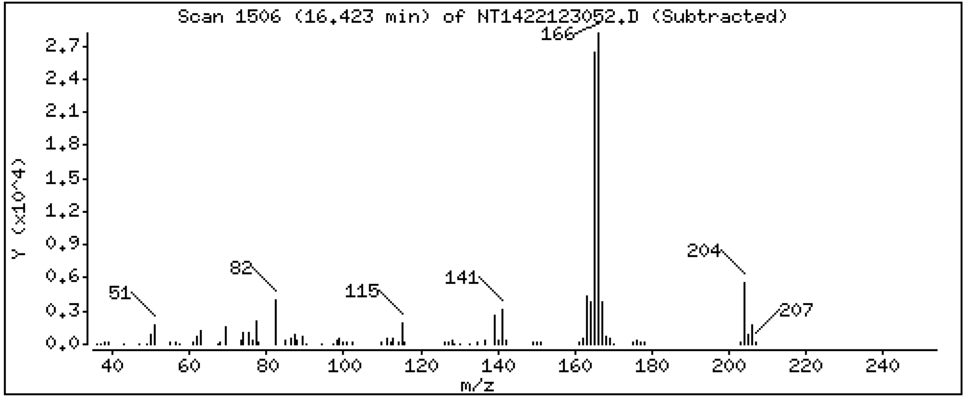
Column phase: ZB-5msi

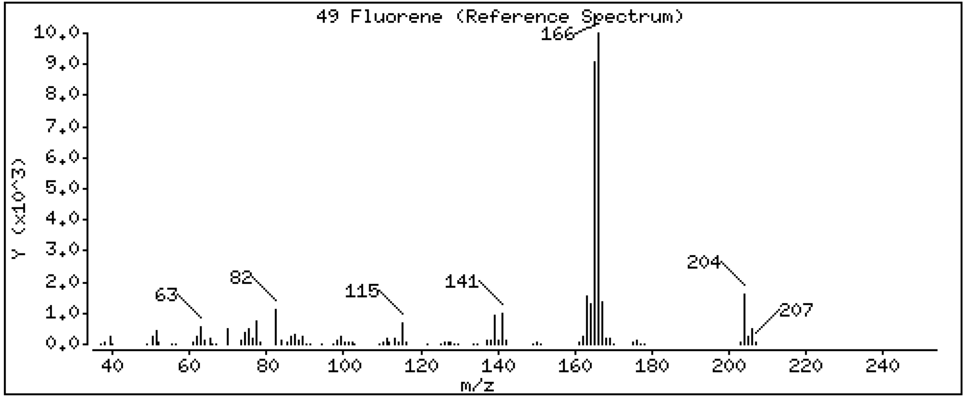
Column diameter: 0.25

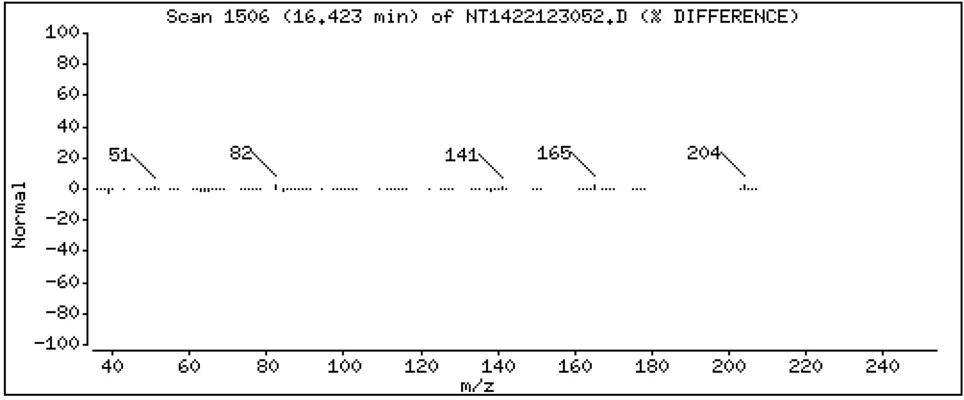
49 Fluorene

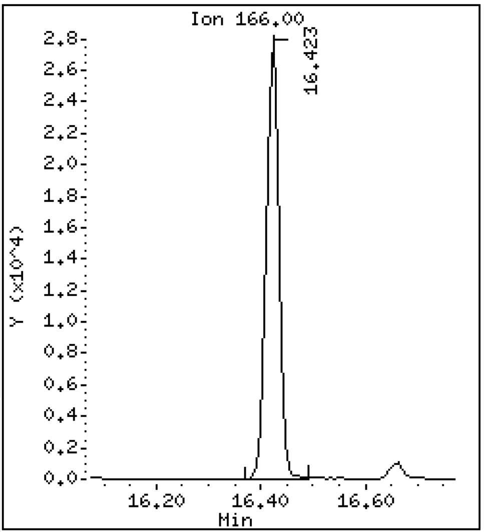
Concentration: 0.4836 ug/mL

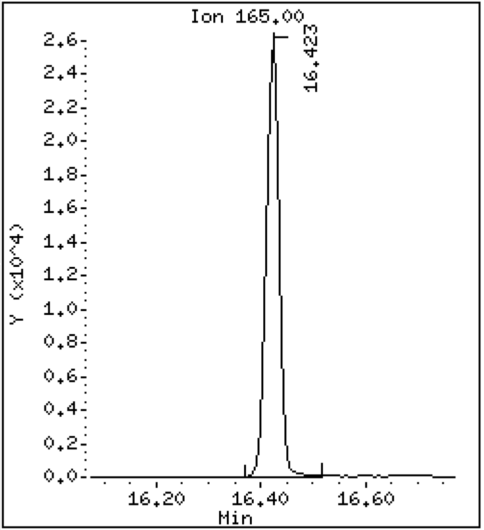

Scan 1506 (16.423 min) of NT1422123052.D

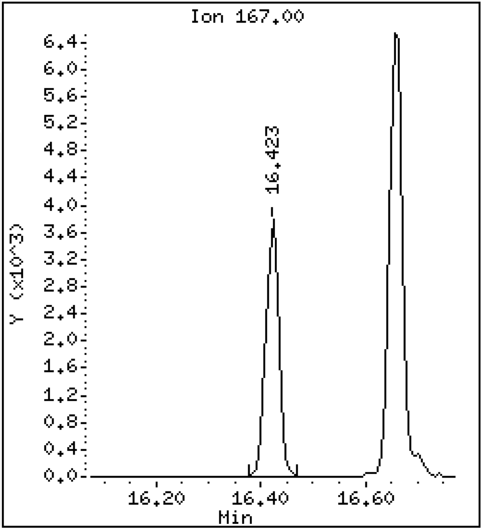

Scan 1506 (16.423 min) of NT1422123052.D (Subtracted)


49 Fluorene (Reference Spectrum)


Scan 1506 (16.423 min) of NT1422123052.D (% DIFFERENCE)


Ion 166.00


Ion 165.00


Ion 167.00

Data File: \\target\share\chem3\nt14.i\20221230B.b\NT1422123052.D

Date : 31-DEC-2022 15:05

Client ID:

Instrument: nt14.i

Sample Info: SKL0356-LCV2

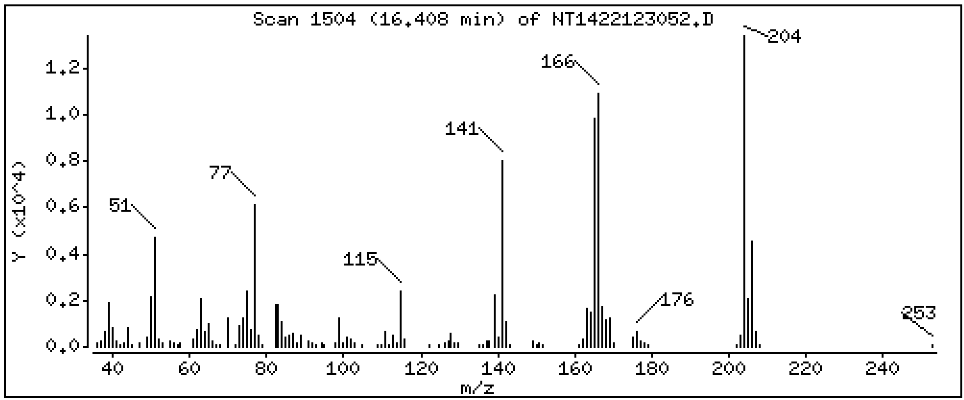
Operator: VTS

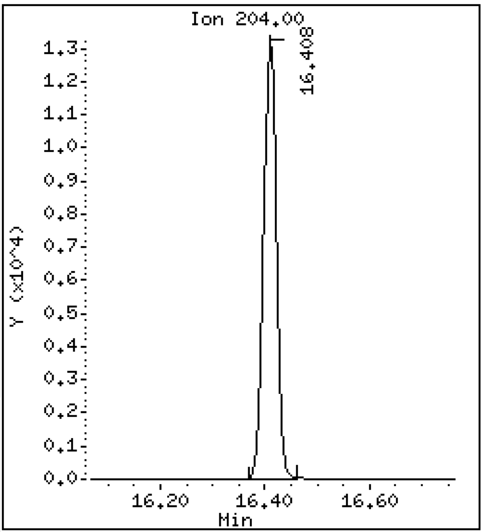
Column phase: ZB-5msi

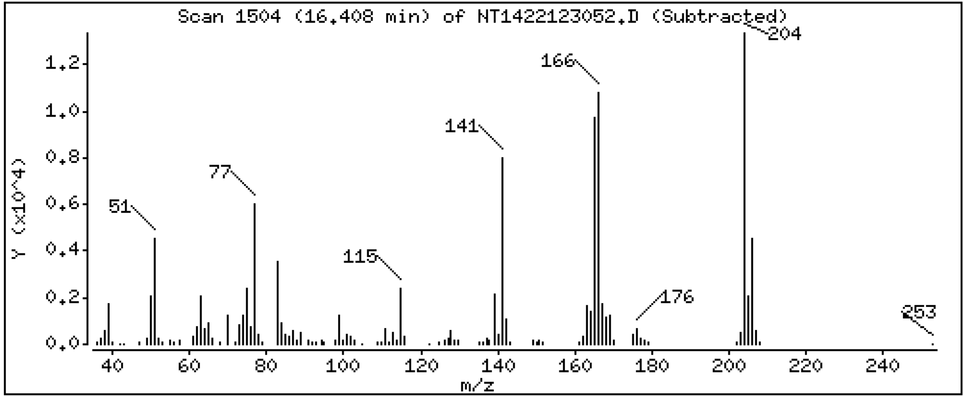
Column diameter: 0.25

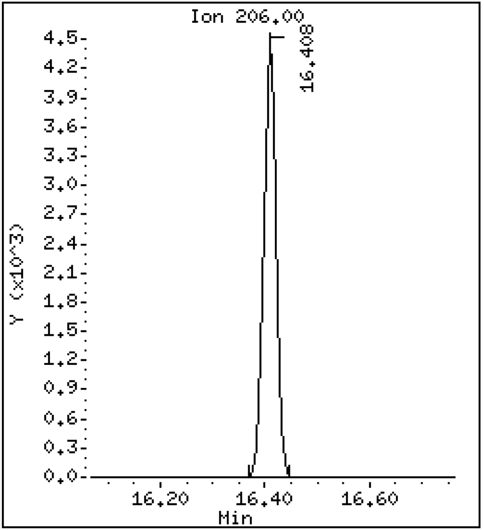
51 4-Chlorophenyl-phenylether

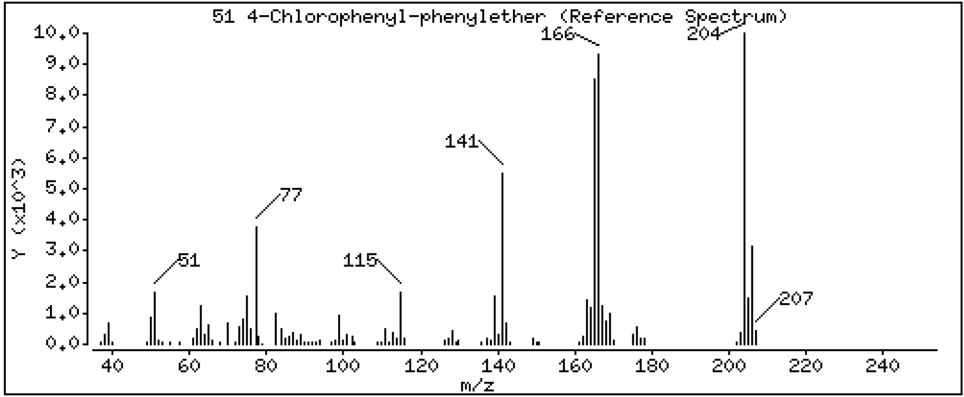
Concentration: 0.4585 ug/mL

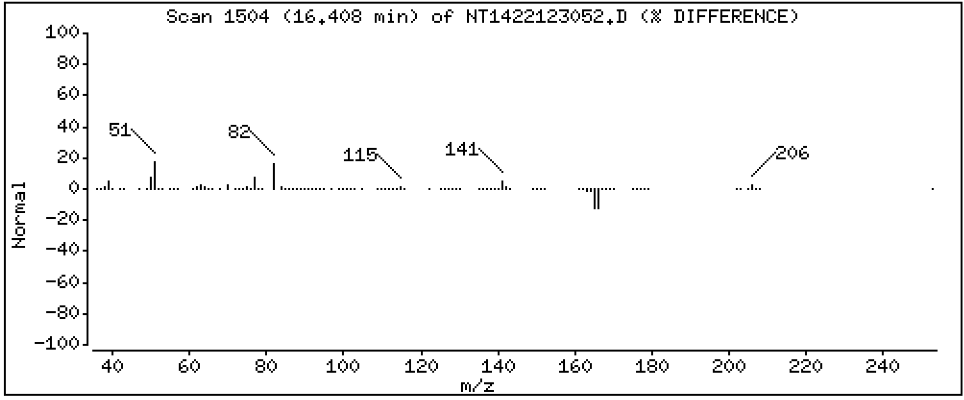


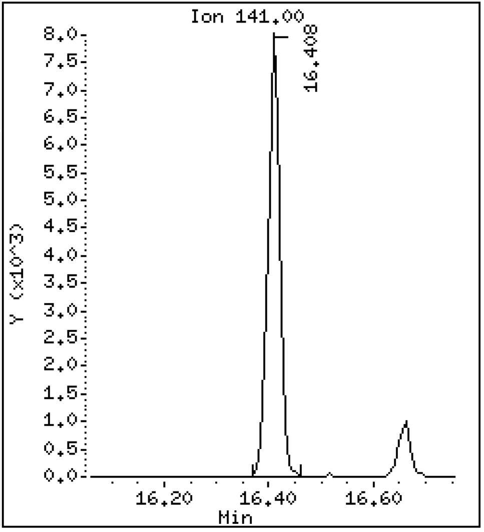












Data File: \\target\share\chem3\nt14.i\20221230B.b\NT1422123052.D

Date : 31-DEC-2022 15:05

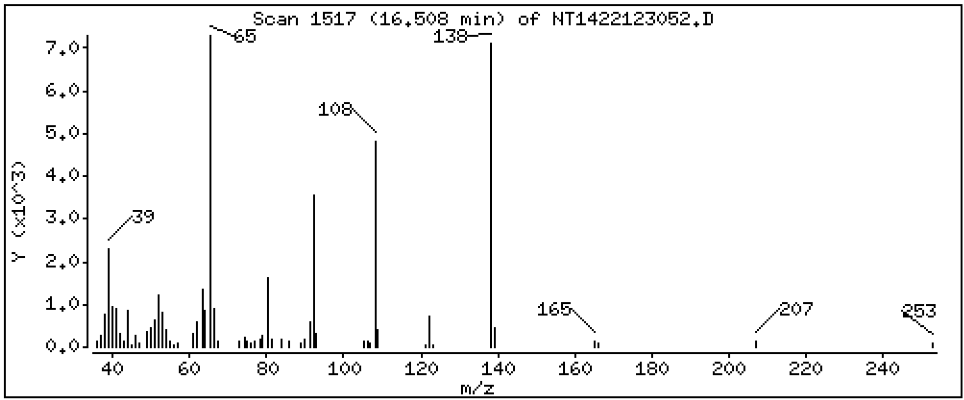
Client ID: Instrument: nt14.i

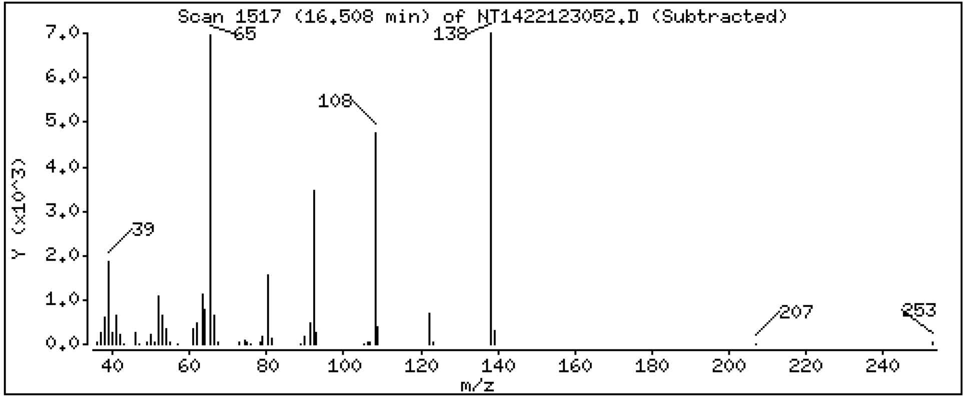
Sample Info: SKL0356-LCV2

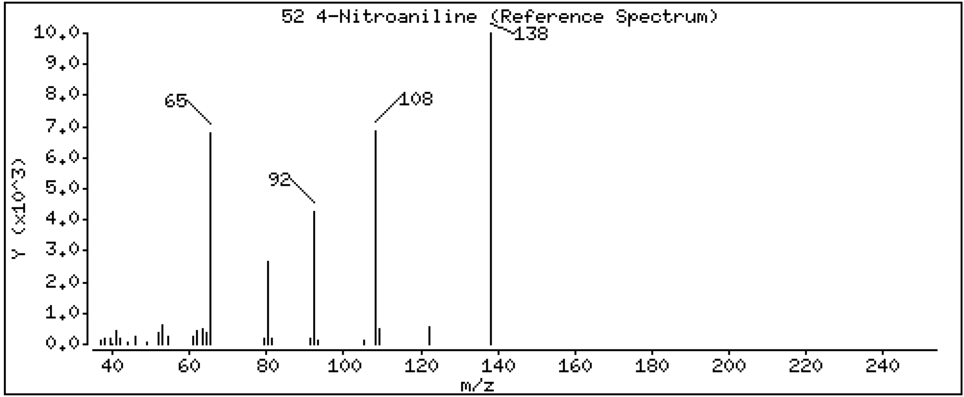
Operator: VTS

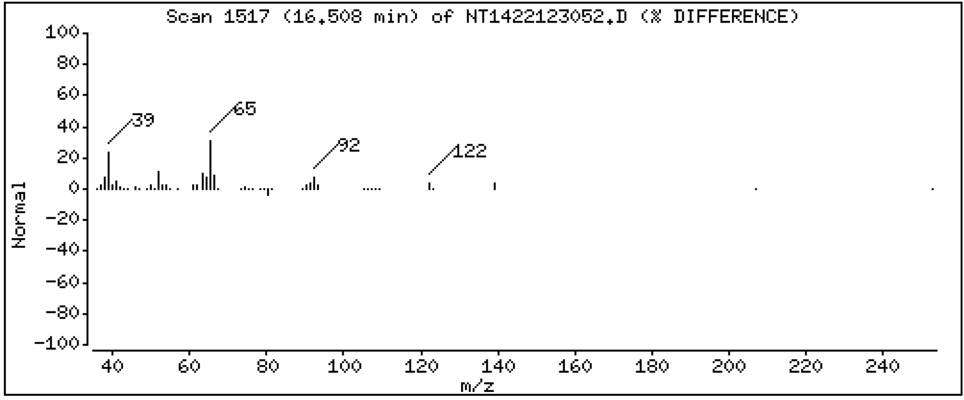
Column phase: ZB-5msi Column diameter: 0.25

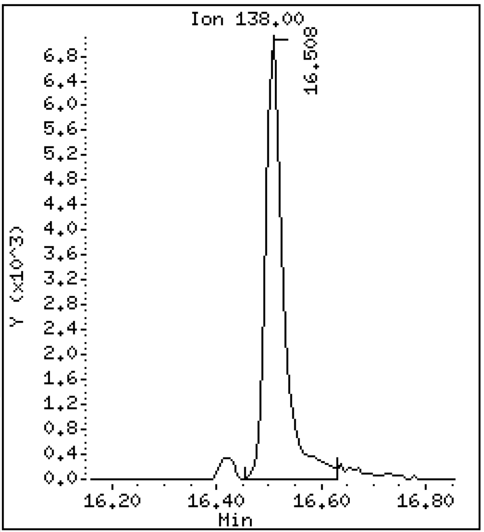
52 4-Nitroaniline Concentration: 0.7926 ug/mL

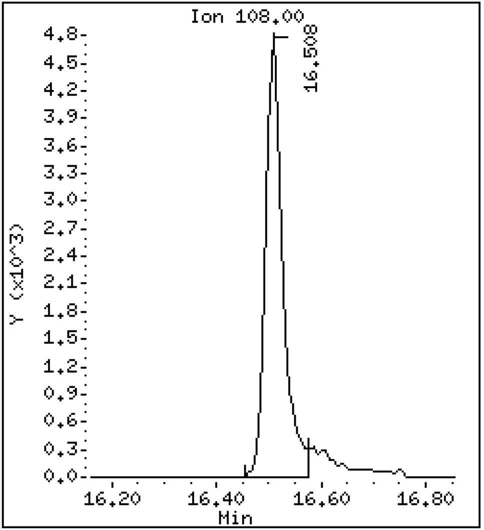


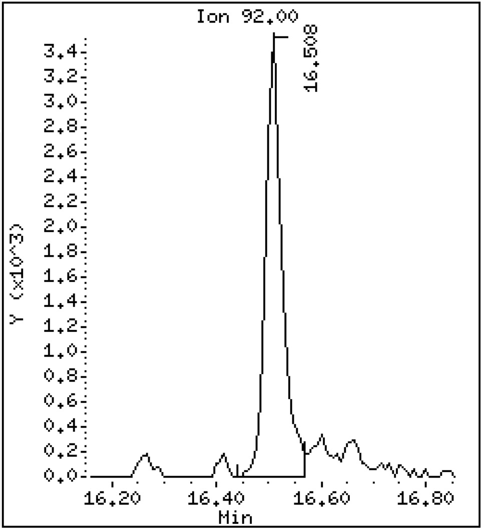












Data File: \\target\share\chem3\nt14.i\20221230B.b\NT1422123052.D

Date : 31-DEC-2022 15:05

Client ID:

Instrument: nt14.i

Sample Info: SKL0356-LCV2

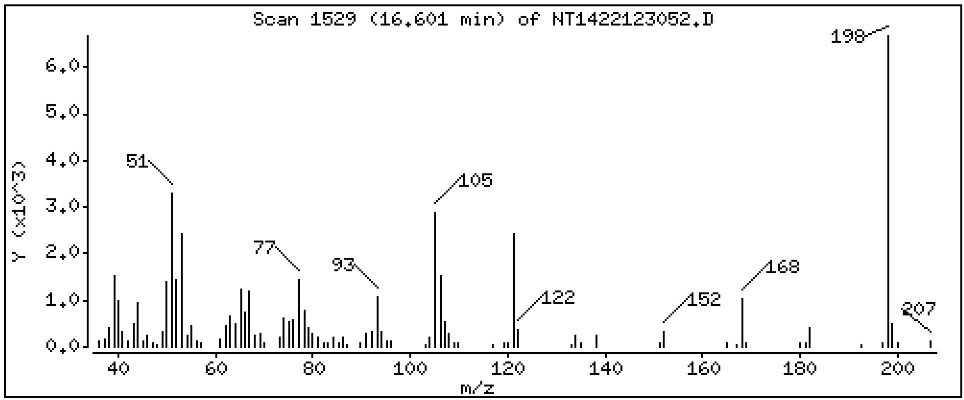
Operator: VTS

Column phase: ZB-5msi

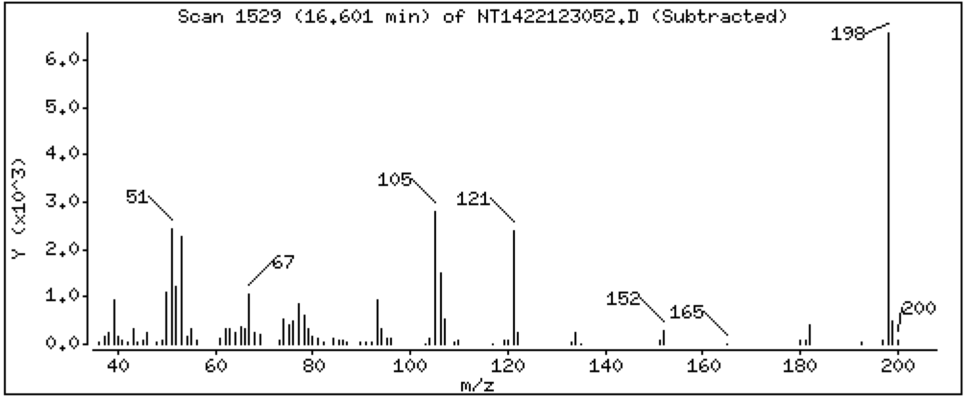
Column diameter: 0.25

53 4,6-Dinitro-2-methylphenol

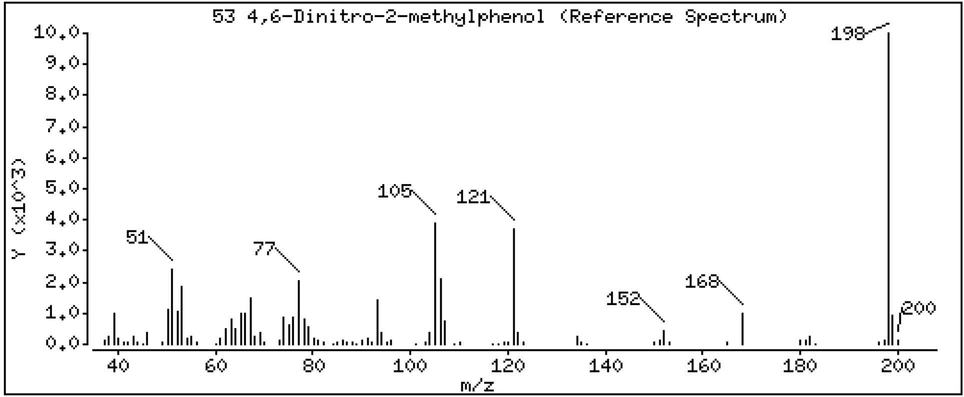
Concentration: 0.7566 ug/mL



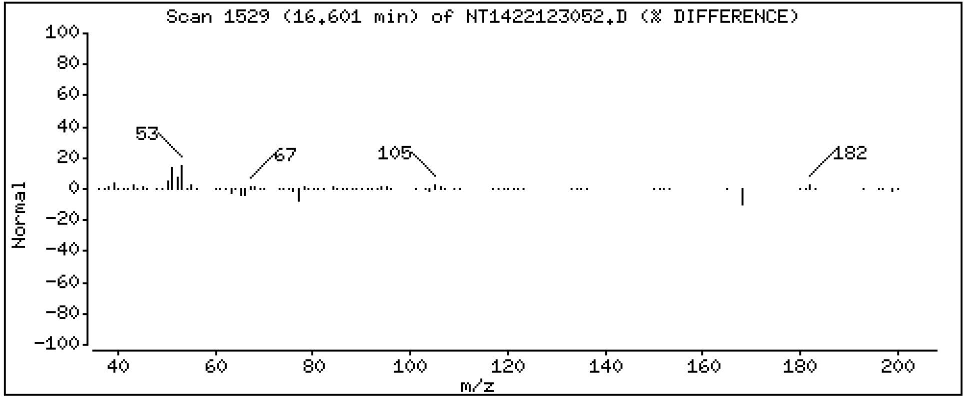
Scan 1529 (16.601 min) of NT1422123052.D



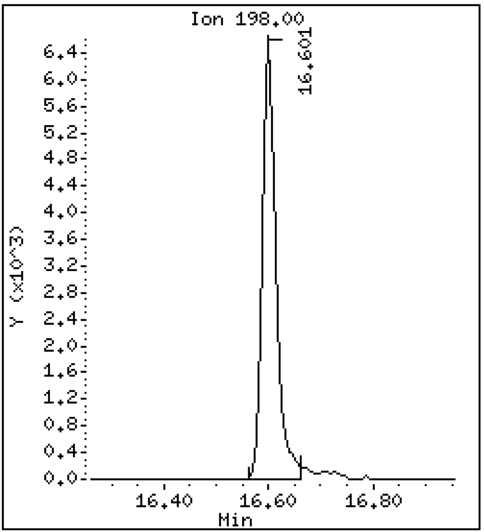
Scan 1529 (16.601 min) of NT1422123052.D (Subtracted)



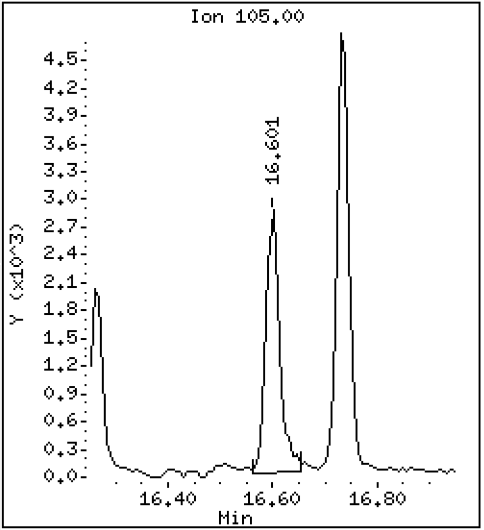
53 4,6-Dinitro-2-methylphenol (Reference Spectrum)



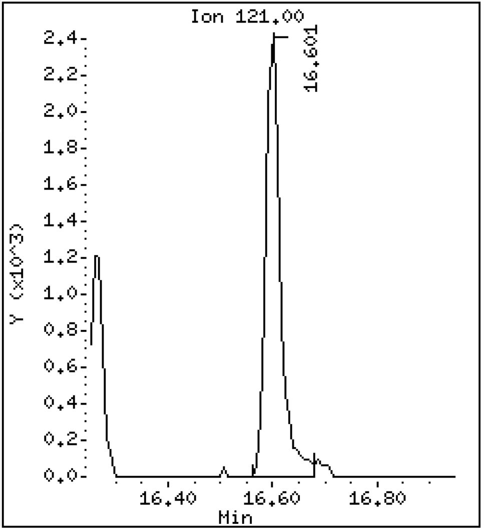
Scan 1529 (16.601 min) of NT1422123052.D (% DIFFERENCE)



Ion 198.00



Ion 105.00



Ion 121.00

Date : 31-DEC-2022 15:05

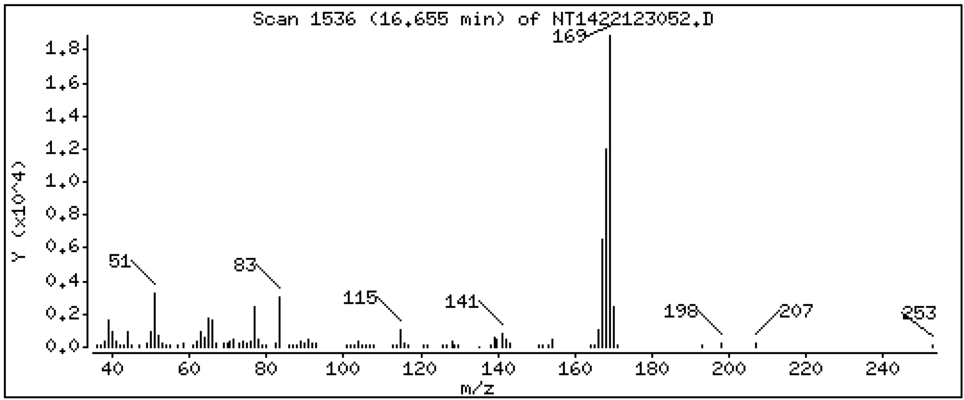
Client ID: Instrument: nt14.i

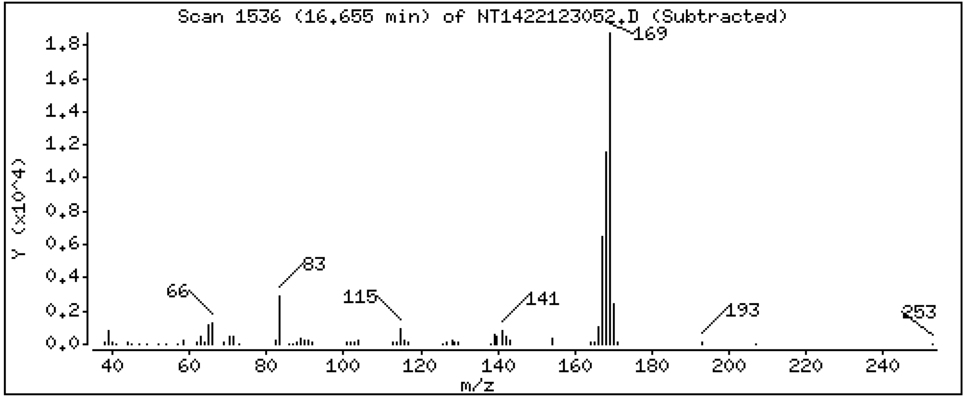
Sample Info: SKL0356-LCV2

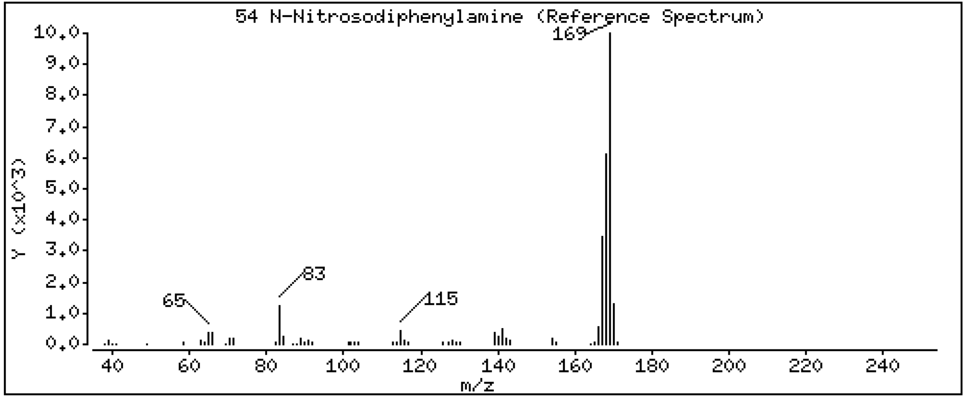
Operator: VTS

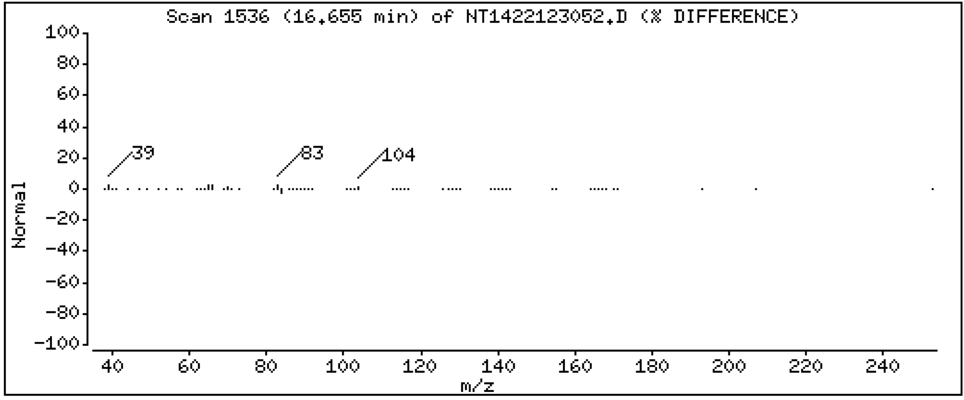
Column phase: ZB-5msi Column diameter: 0.25

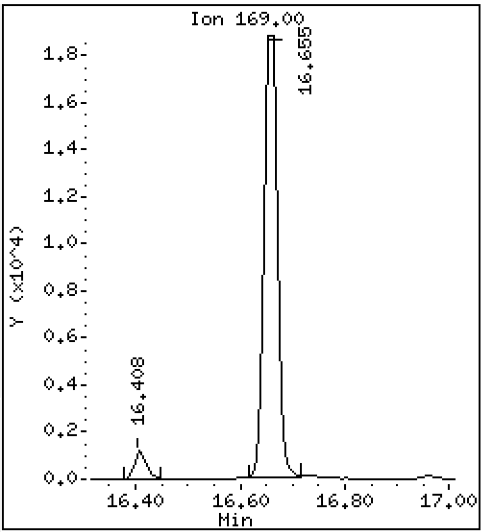
54 N-Nitrosodiphenylamine Concentration: 0.5113 ug/mL

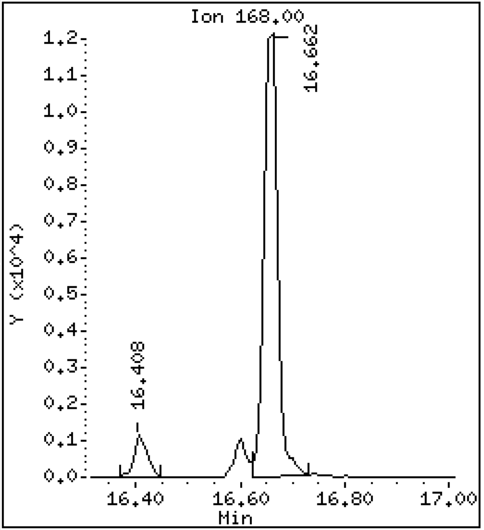


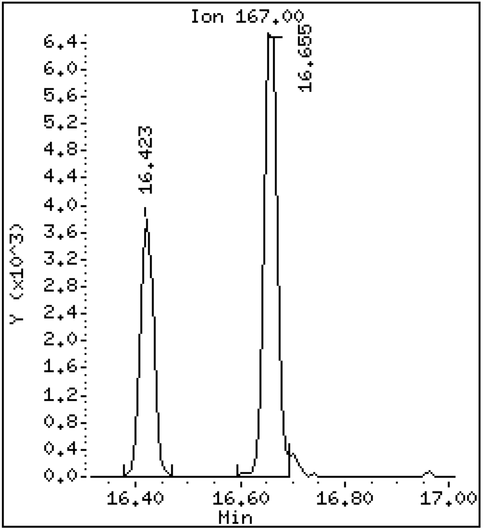












Data File: \\target\share\chem3\nt14.i\20221230B.b\NT1422123052.D Page 47

Date : 31-DEC-2022 15:05

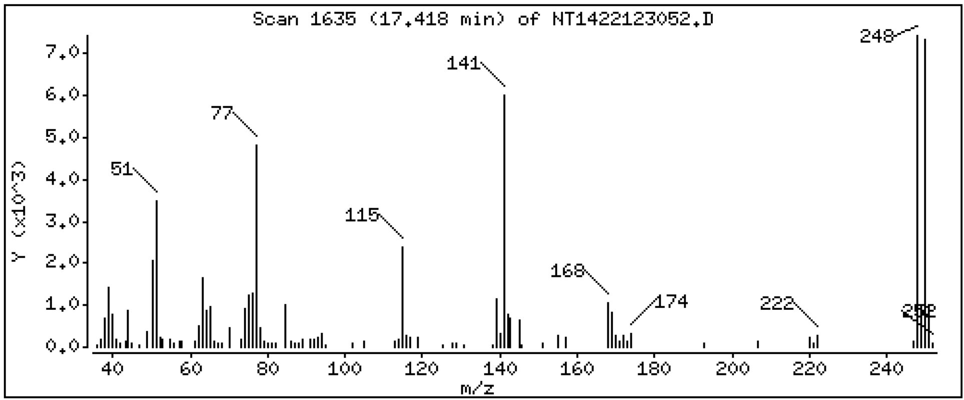
Client ID: Instrument: nt14.i

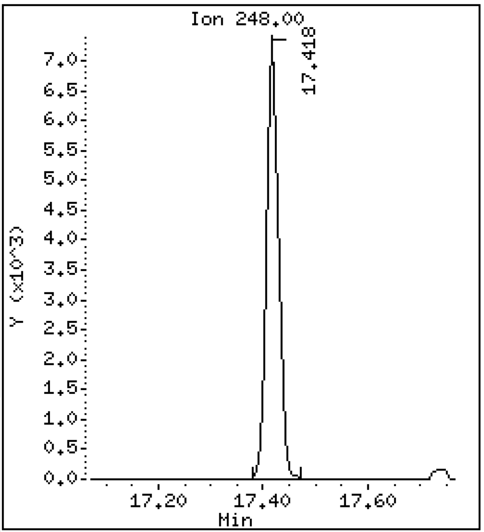
Sample Info: SKL0356-LCV2

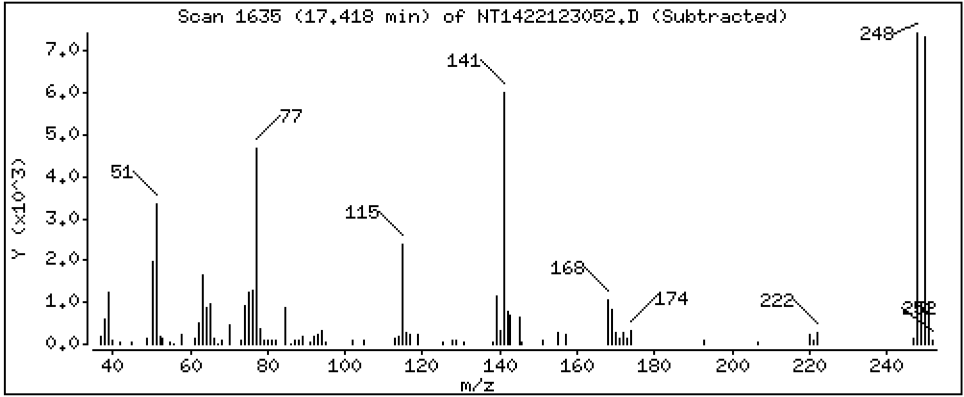
Operator: VTS

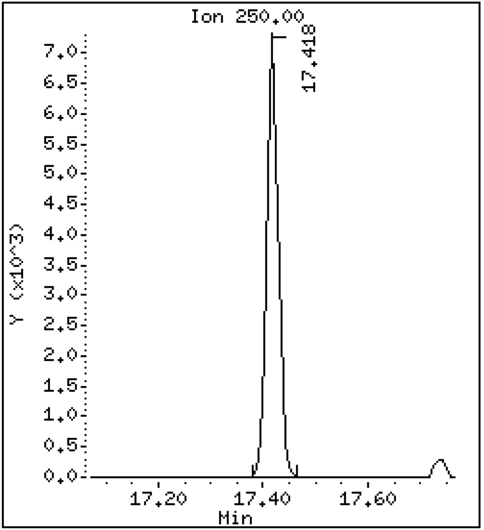
Column phase: ZB-5msi Column diameter: 0.25

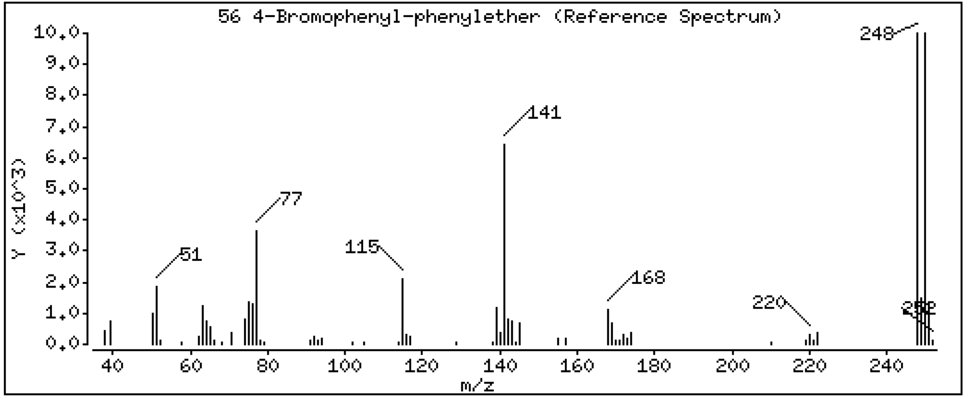
56 4-Bromophenyl-phenylether Concentration: 0.4903 ug/mL

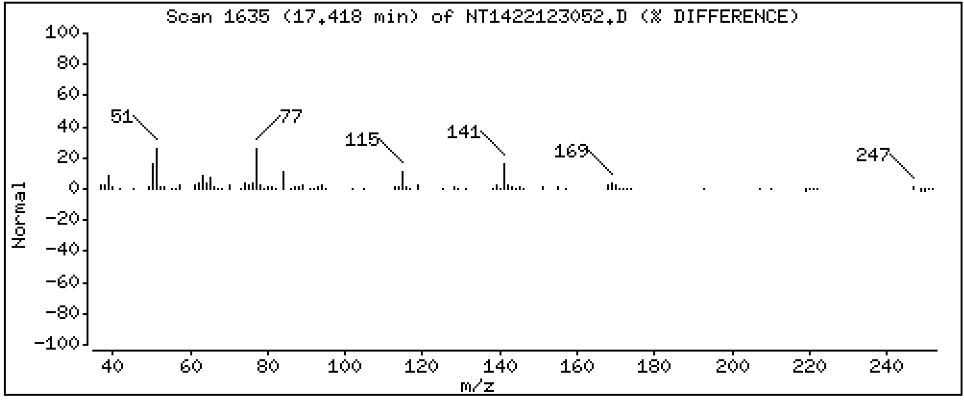


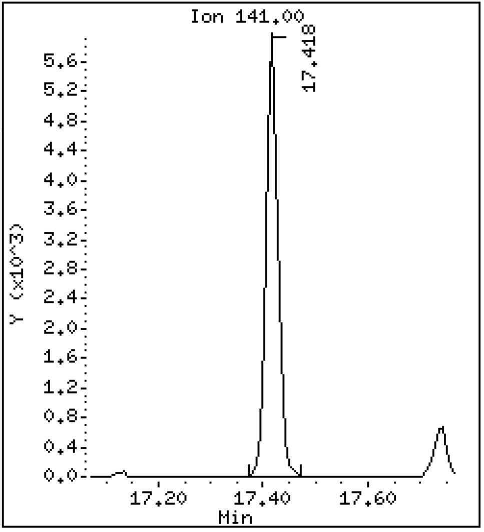












Data File: \\target\share\chem3\nt14.i\20221230B.b\NT1422123052.D

Date : 31-DEC-2022 15:05

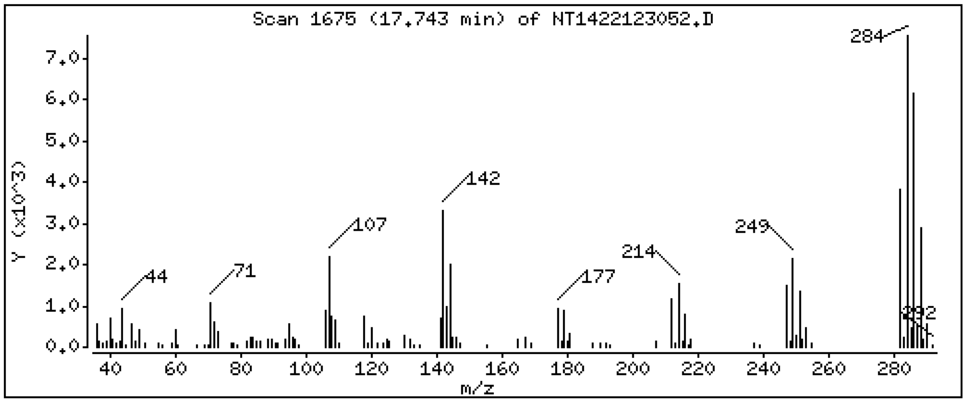
Client ID: Instrument: nt14.i

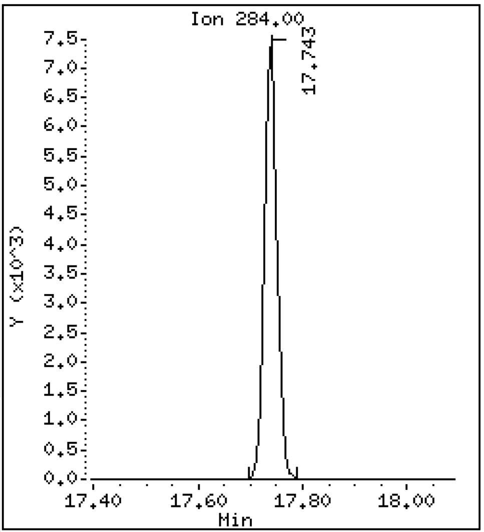
Sample Info: SKL0356-LCV2

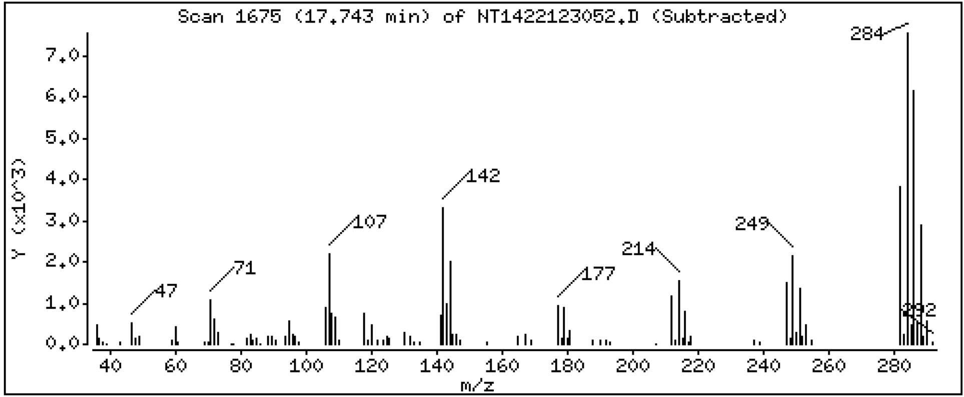
Operator: VTS

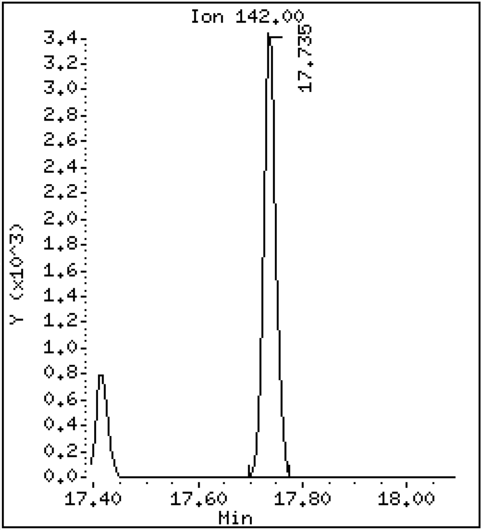
Column phase: ZB-5msi Column diameter: 0.25

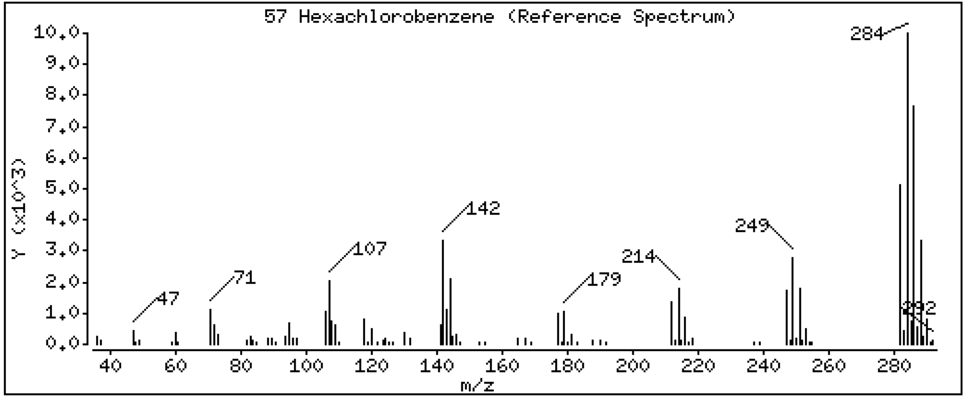
57 Hexachlorobenzene Concentration: 0.4900 ug/mL

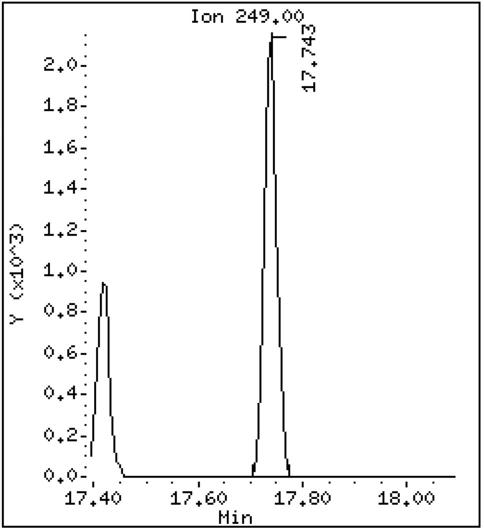


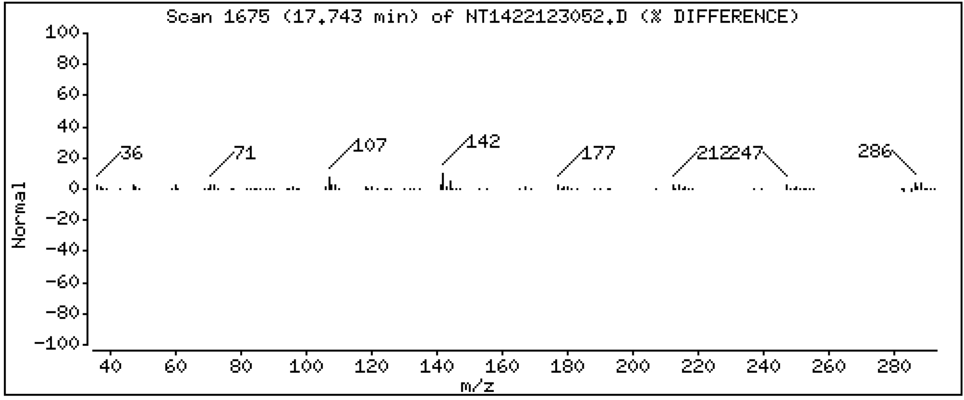












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Date : 31-DEC-2022 15:05

Client ID:

Instrument: nt14.i

Sample Info: SKL0356-LCV2

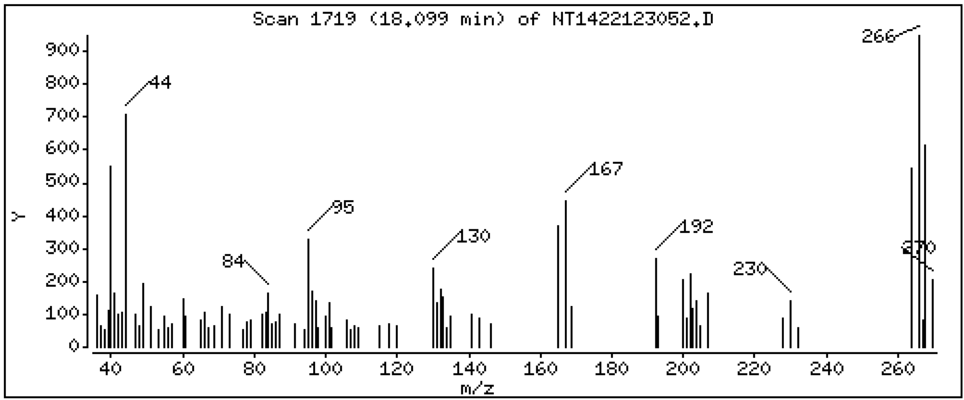
Operator: VTS

Column phase: ZB-5msi

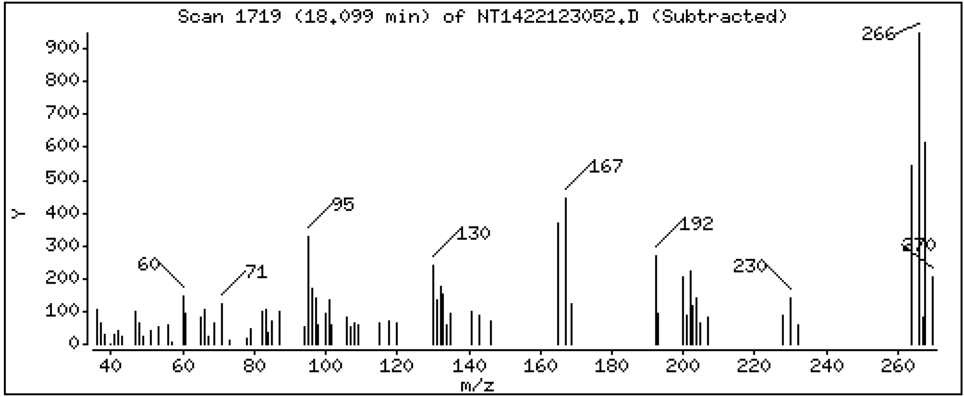
Column diameter: 0.25

58 Pentachlorophenol

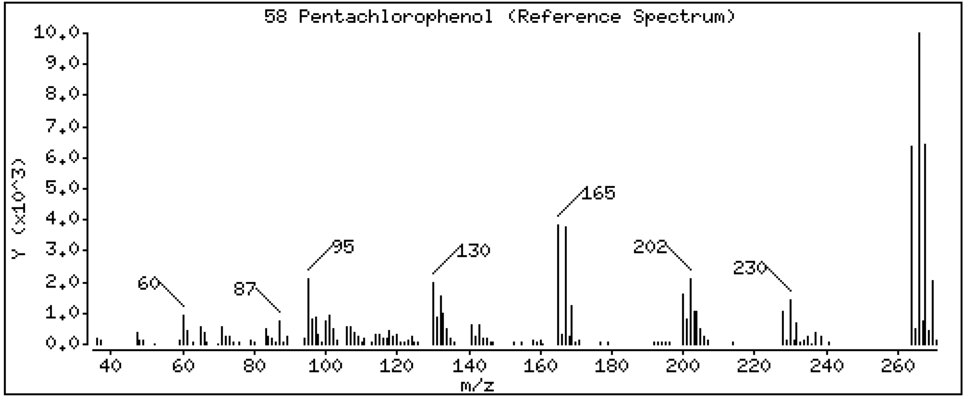
Concentration: 0.2250 ug/mL



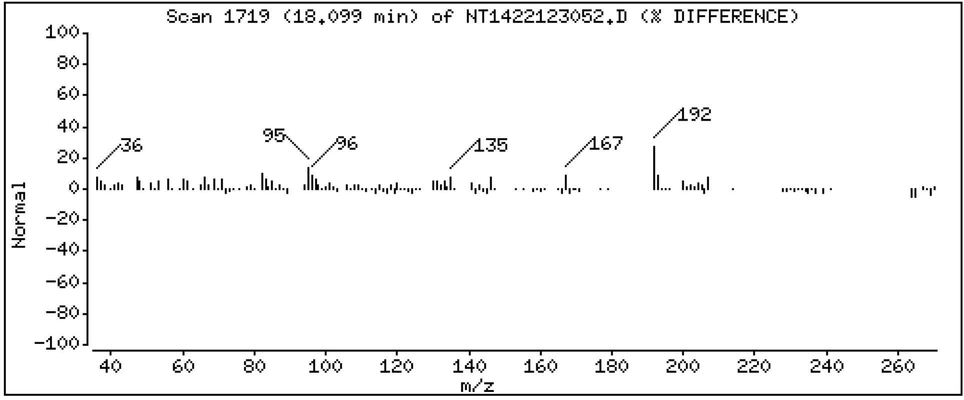
Scan 1719 (18.099 min) of NT1422123052.D



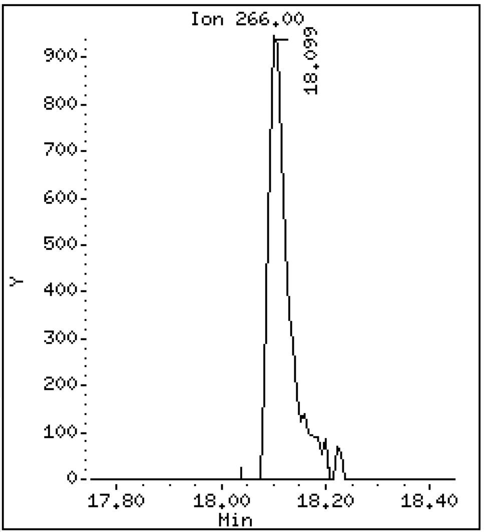
Scan 1719 (18.099 min) of NT1422123052.D (Subtracted)



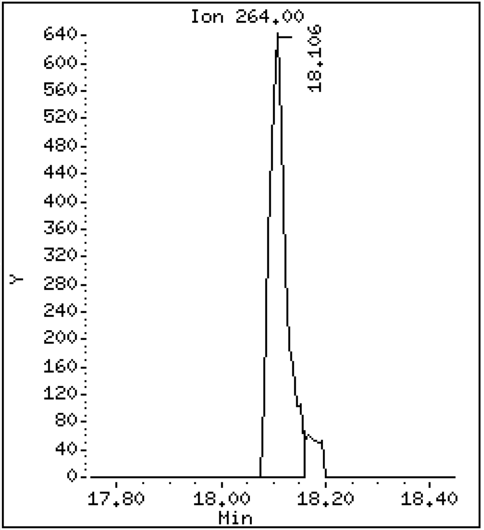
58 Pentachlorophenol (Reference Spectrum)



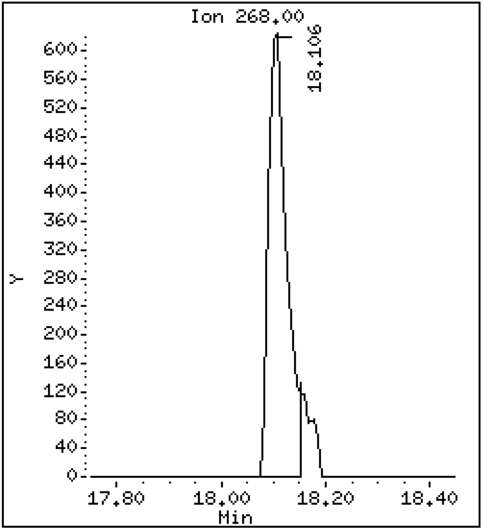
Scan 1719 (18.099 min) of NT1422123052.D (% DIFFERENCE)



Ion 266.00



Ion 264.00



Ion 268.00

Date : 31-DEC-2022 15:05

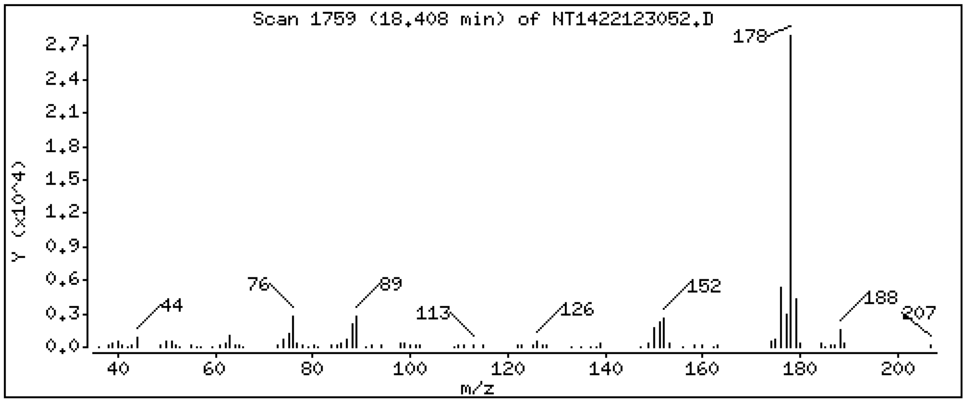
Client ID: Instrument: nt14.i

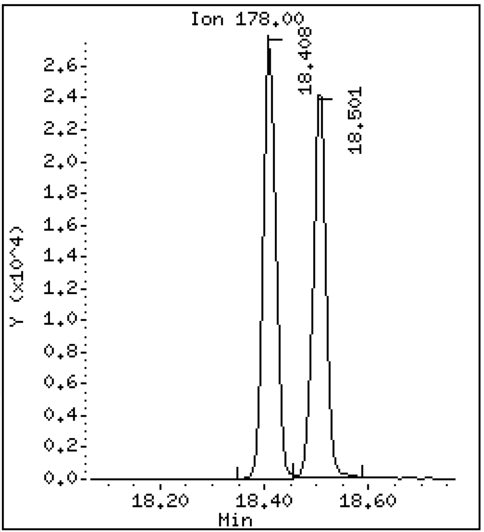
Sample Info: SKL0356-LCV2

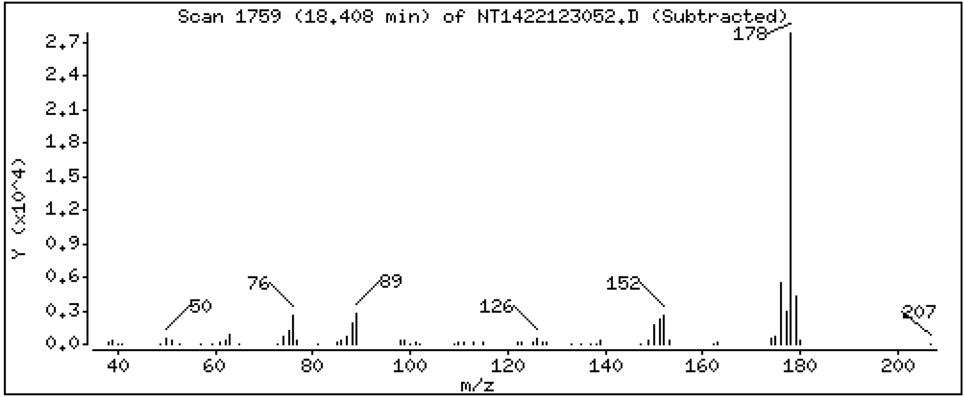
Operator: VTS

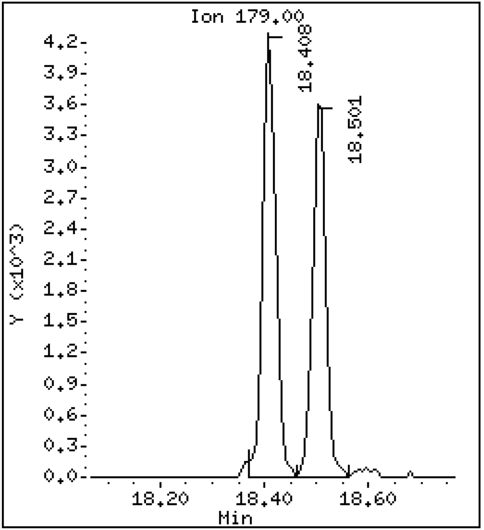
Column phase: ZB-5msi Column diameter: 0.25

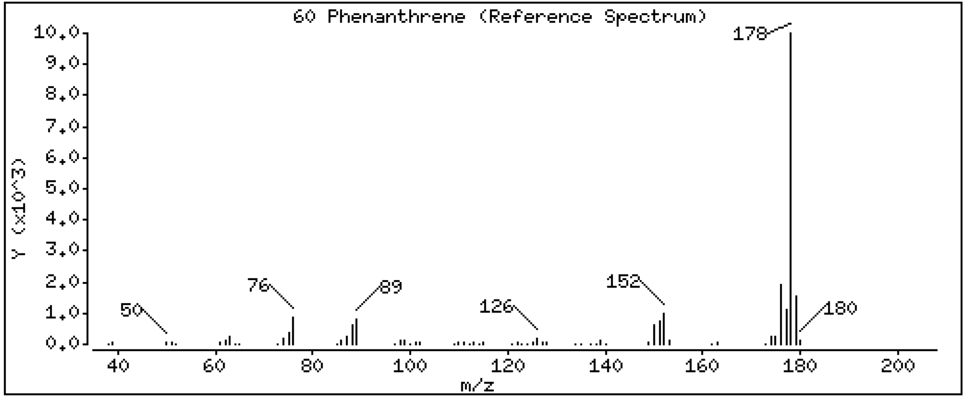
60 Phenanthrene Concentration: 0.4886 ug/mL

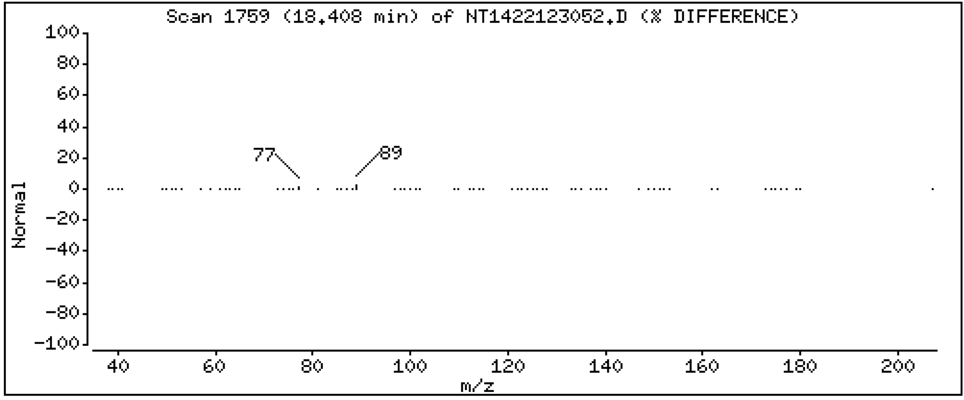


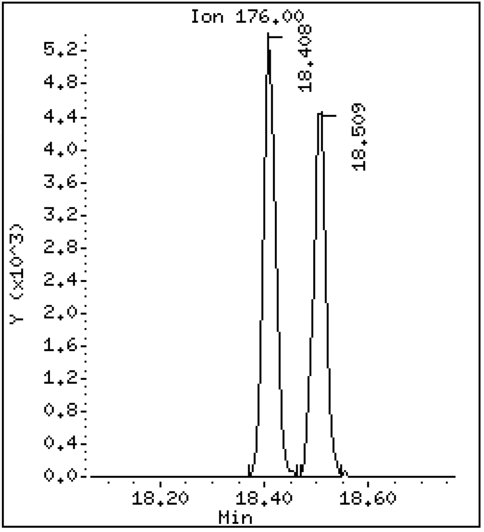












Date : 31-DEC-2022 15:05

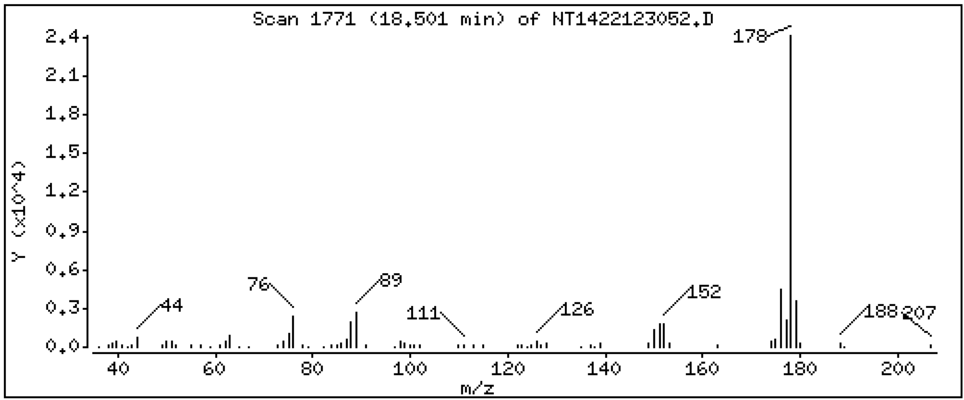
Client ID: Instrument: nt14.i

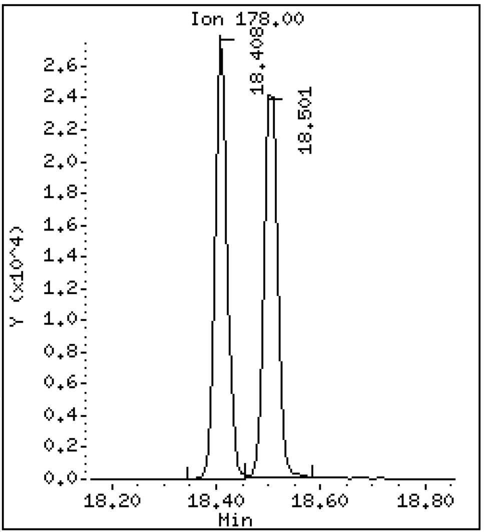
Sample Info: SKL0356-LCV2

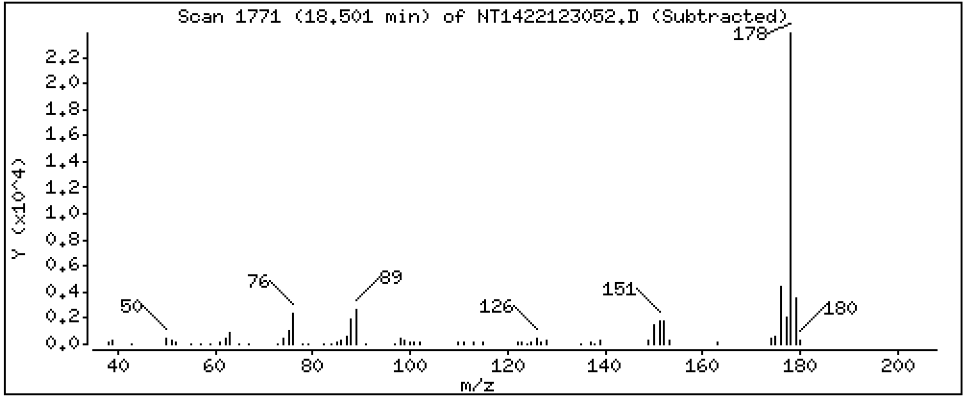
Operator: VTS

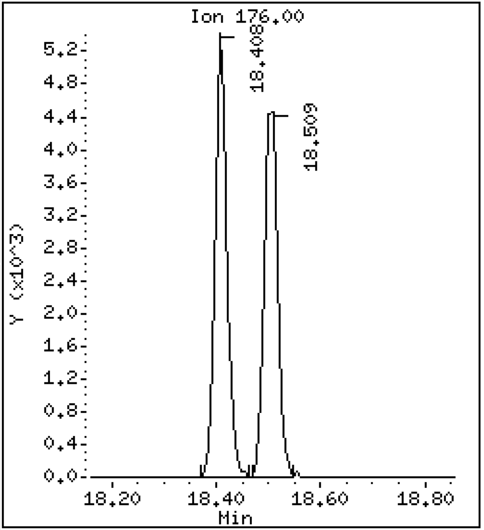
Column phase: ZB-5msi Column diameter: 0.25

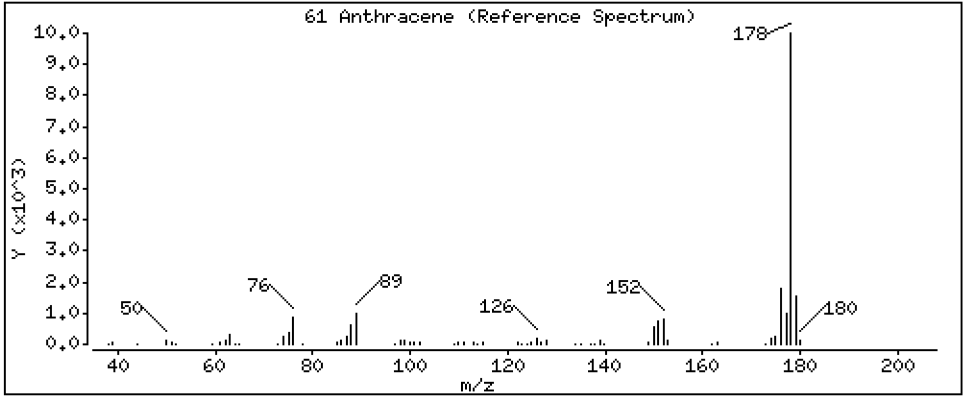
61 Anthracene Concentration: 0.4683 ug/mL

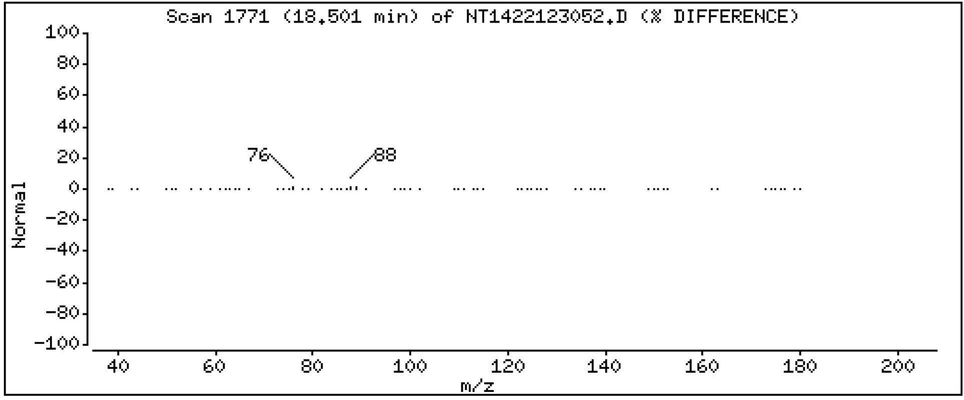


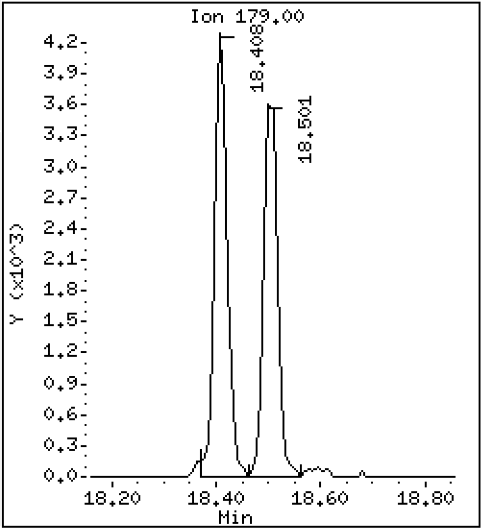












Data File: \\target\share\chem3\nt14.i\20221230B.b\NT1422123052.D

Date : 31-DEC-2022 15:05

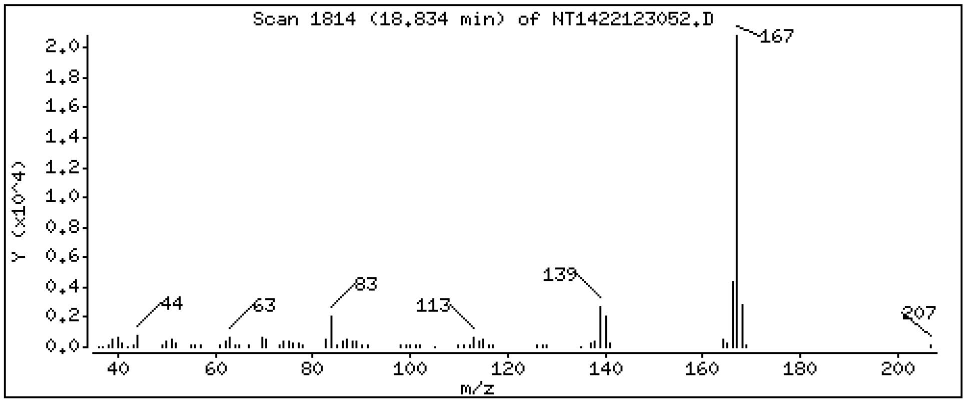
Client ID: Instrument: nt14.i

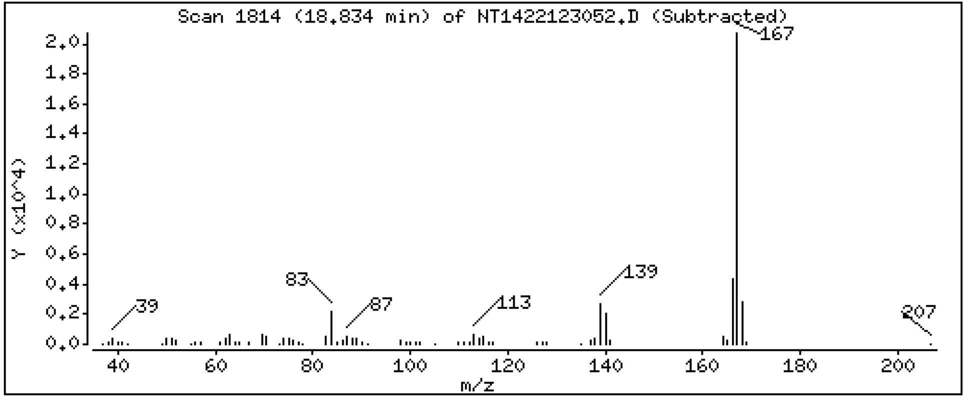
Sample Info: SKL0356-LCV2

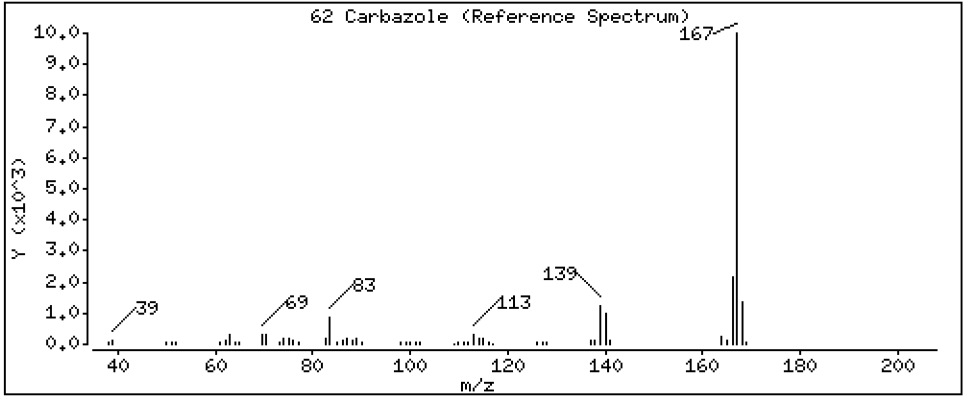
Operator: VTS

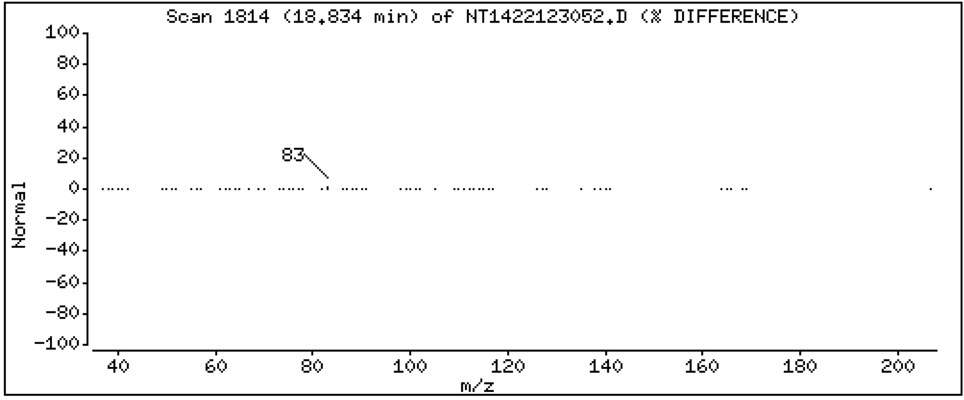
Column phase: ZB-5msi Column diameter: 0.25

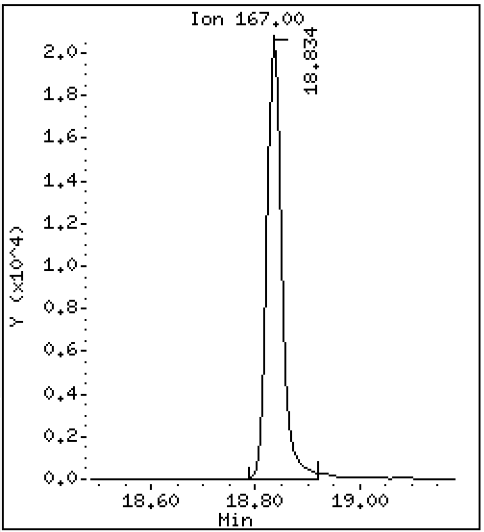
62 Carbazole Concentration: 0.4608 ug/mL

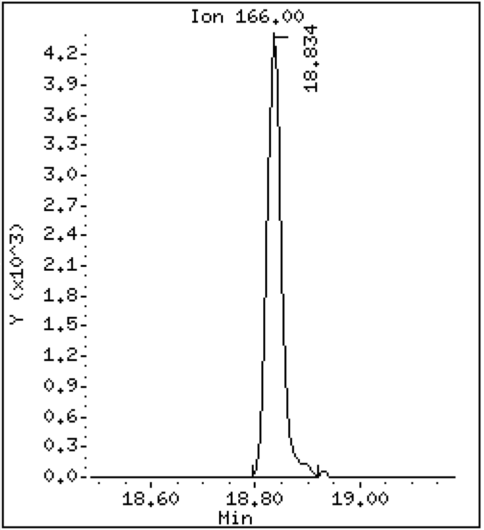

Scan 1814 (18.834 min) of NT1422123052.D

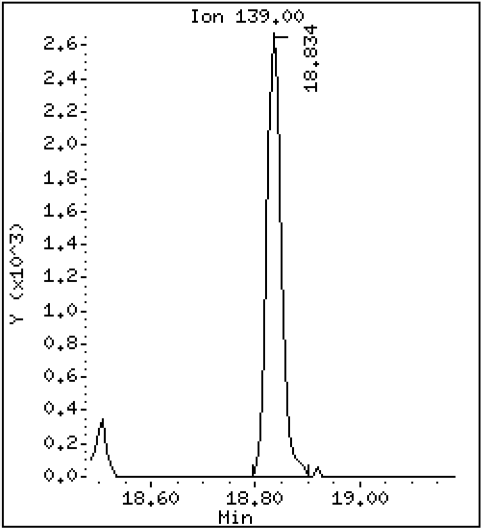

Scan 1814 (18.834 min) of NT1422123052.D (Subtracted)


62 Carbazole (Reference Spectrum)


Scan 1814 (18.834 min) of NT1422123052.D (% DIFFERENCE)


Ion 167.00


Ion 166.00


Ion 139.00

Data File: \\target\share\chem3\nt14.i\20221230B.b\NT1422123052.D

Date : 31-DEC-2022 15:05

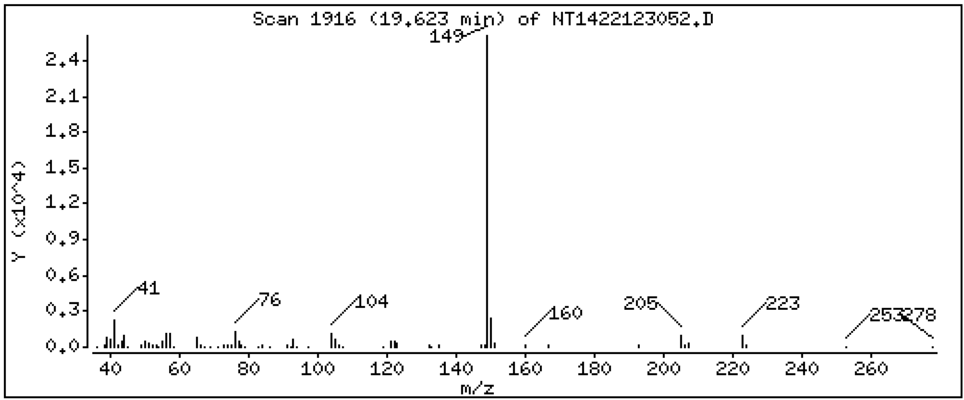
Client ID: Instrument: nt14.i

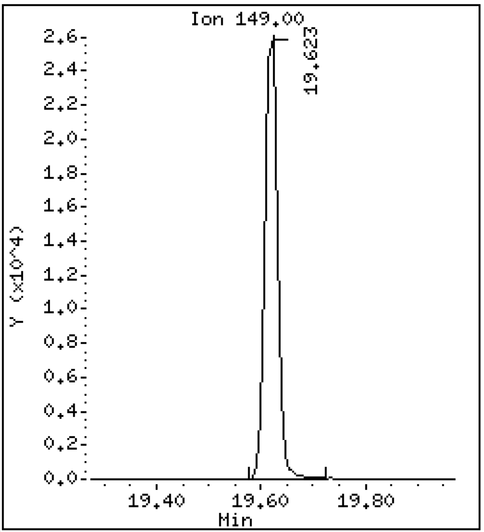
Sample Info: SKL0356-LCV2

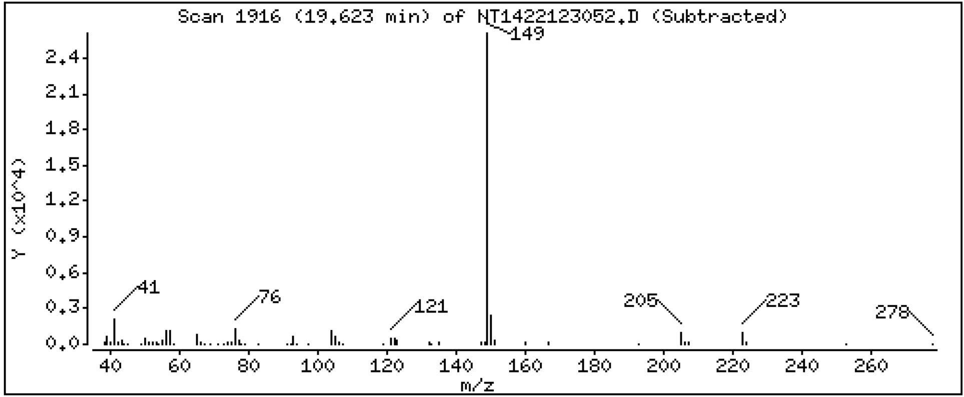
Operator: VTS

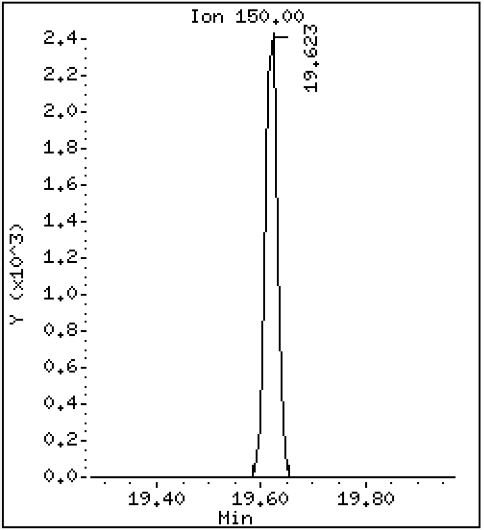
Column phase: ZB-5msi Column diameter: 0.25

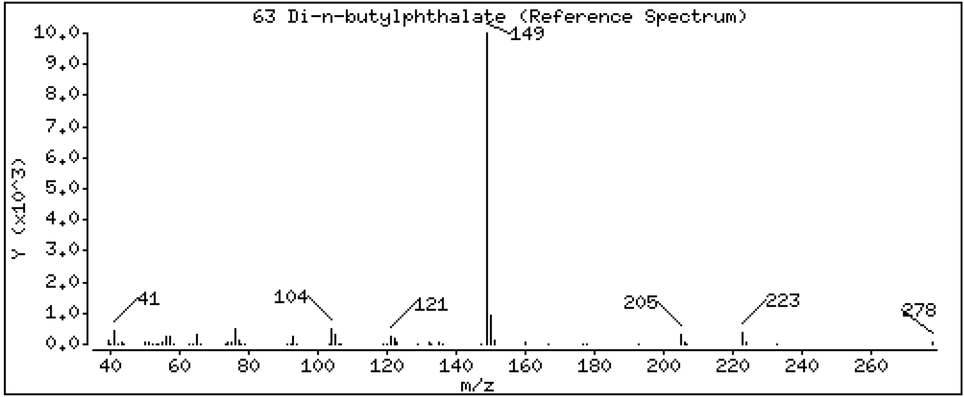
63 Di-n-butylphthalate Concentration: 0.4286 ug/mL

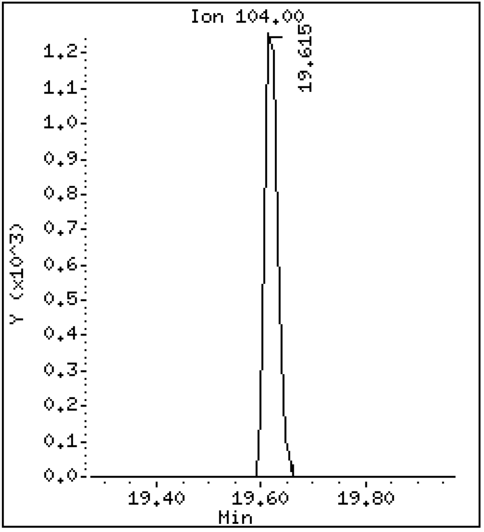


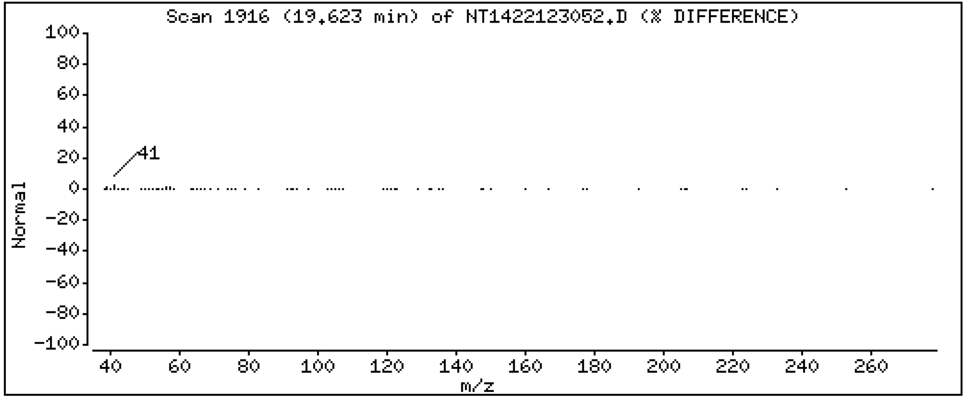












Date : 31-DEC-2022 15:05

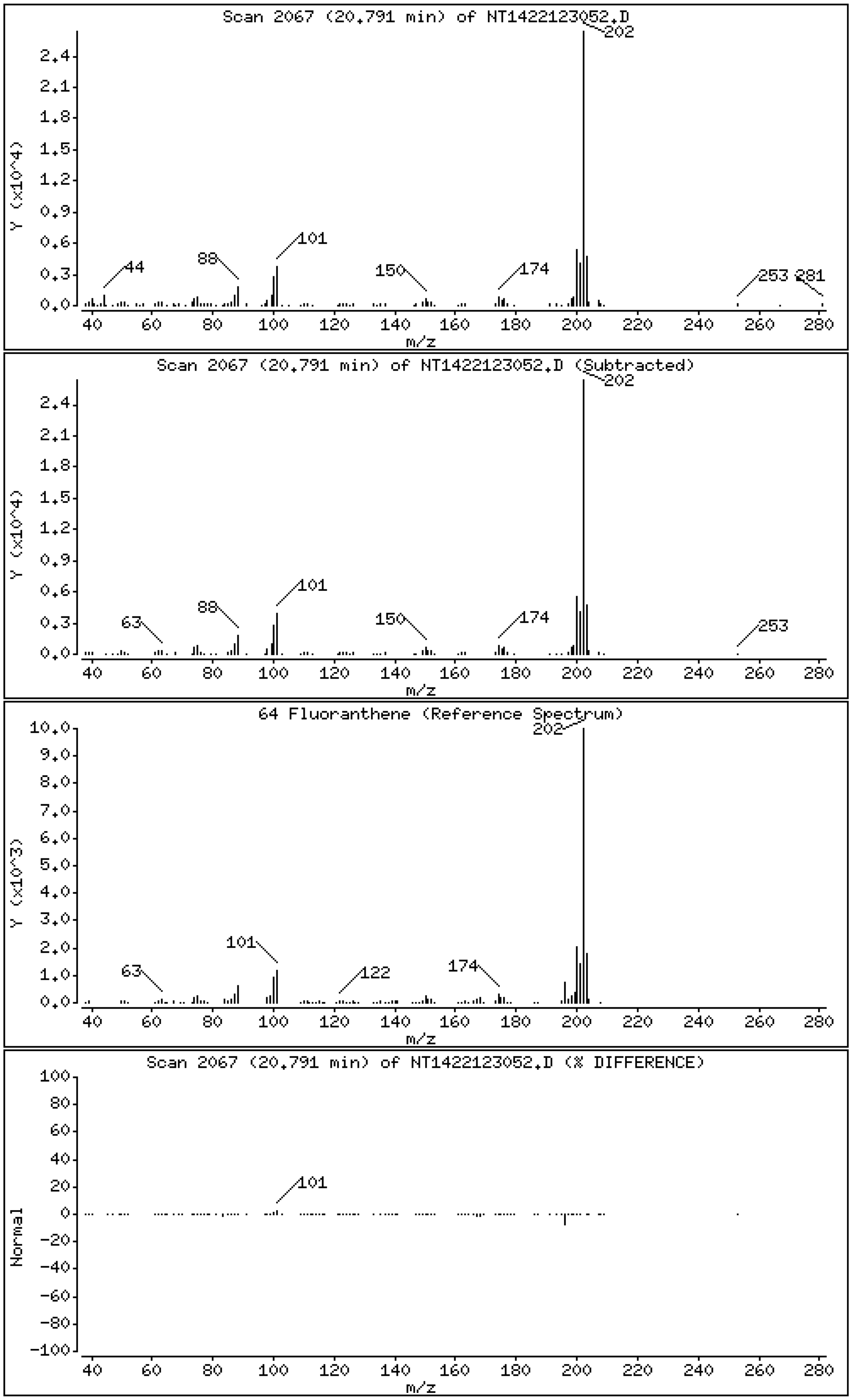
Client ID: Instrument: nt14.i

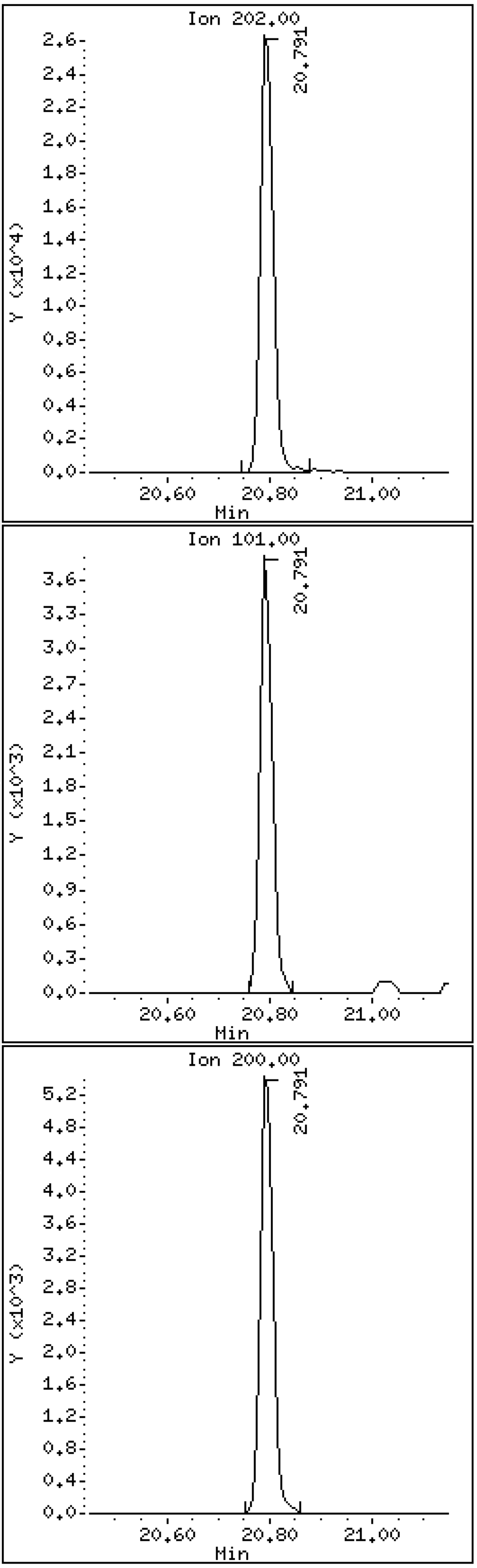
Sample Info: SKL0356-LCV2

Operator: VTS

Column phase: ZB-5msi Column diameter: 0.25

64 Fluoranthene Concentration: 0.4643 ug/mL





Data File: \\target\share\chem3\nt14.i\20221230B.b\NT1422123052.D

Date : 31-DEC-2022 15:05

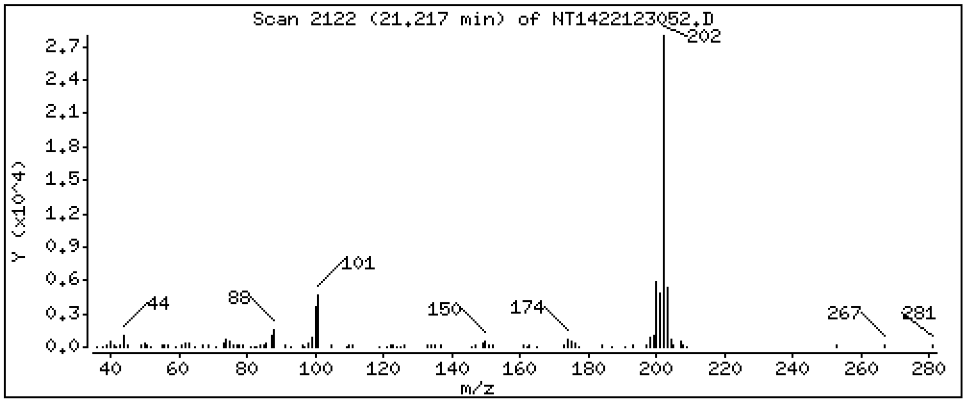
Client ID: Instrument: nt14.i

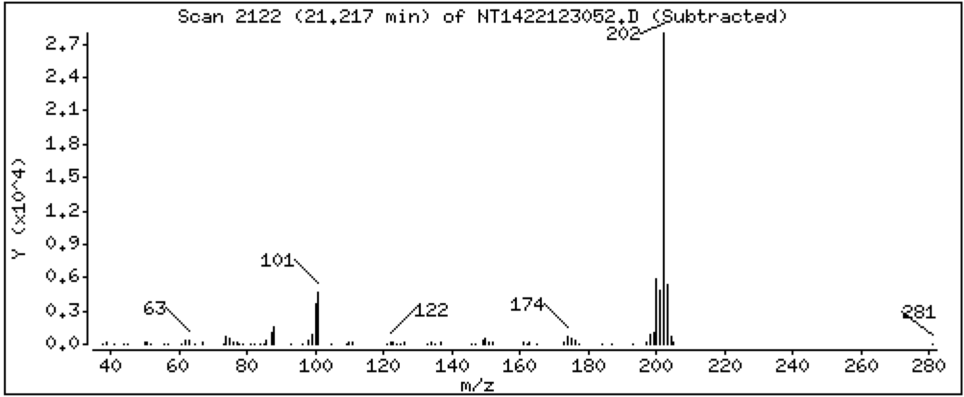
Sample Info: SKL0356-LCV2

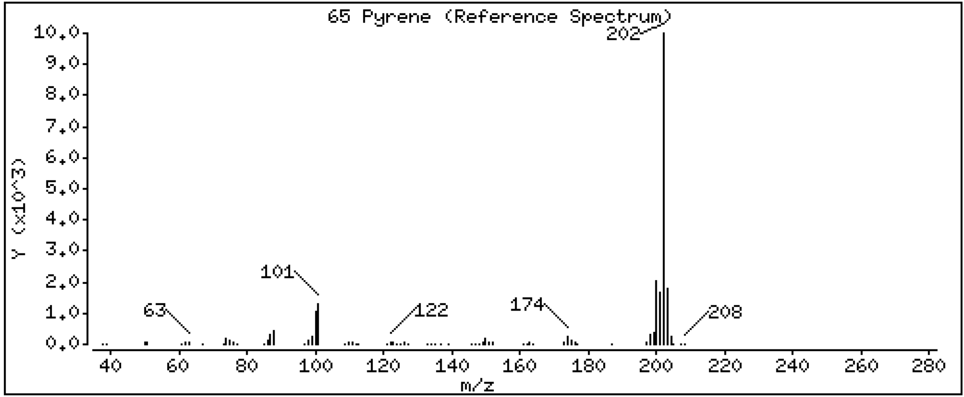
Operator: VTS

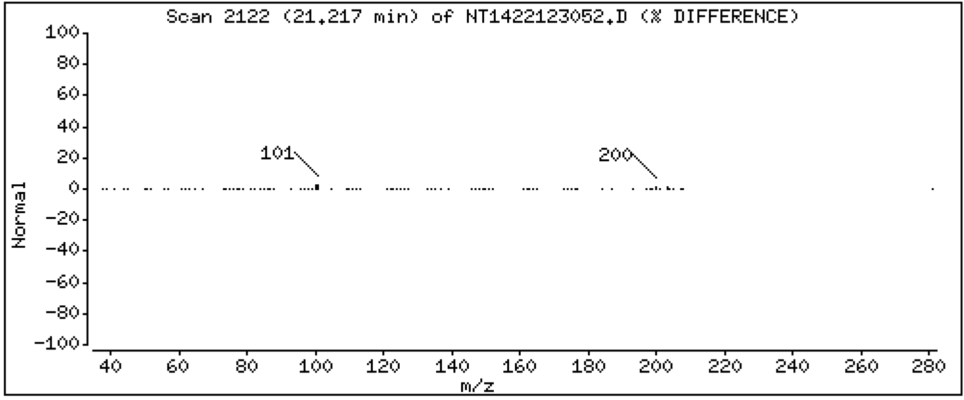
Column phase: ZB-5msi Column diameter: 0.25

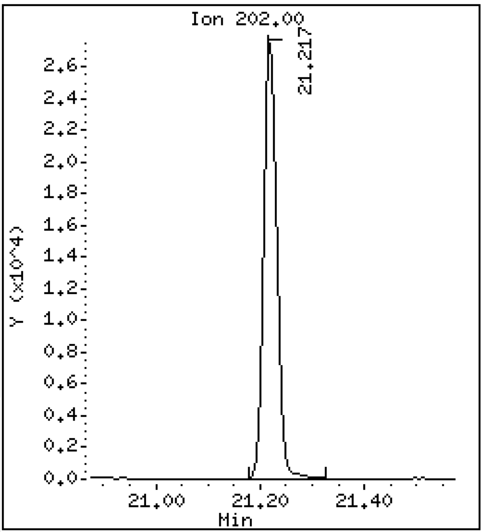
65 Pyrene Concentration: 0.4679 ug/mL

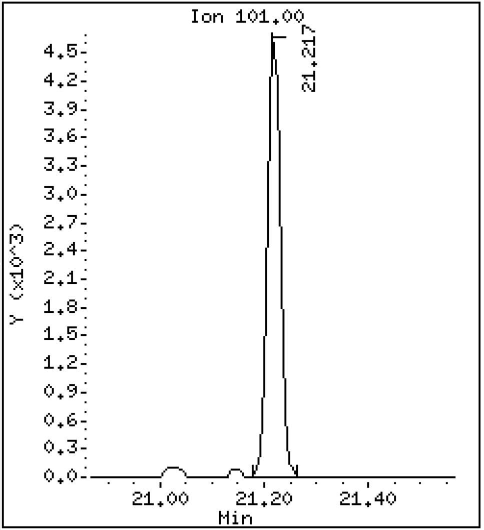

Scan 2122 (21.217 min) of NT1422123052.D

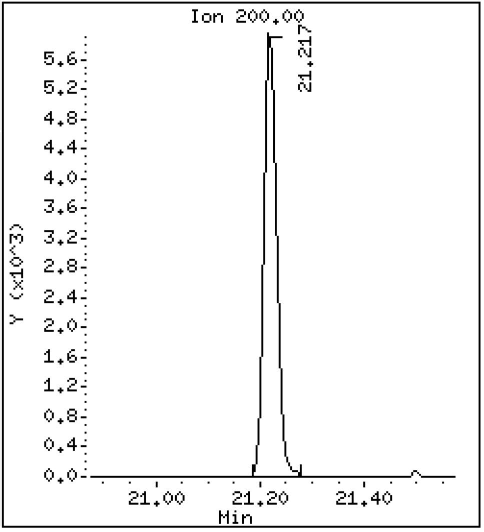

Scan 2122 (21.217 min) of NT1422123052.D (Subtracted)


65 Pyrene (Reference Spectrum)


Scan 2122 (21.217 min) of NT1422123052.D (% DIFFERENCE)


Ion 202.00


Ion 101.00


Ion 200.00

Data File: \\target\share\chem3\nt14.i\20221230B.b\NT1422123052.D

Date : 31-DEC-2022 15:05

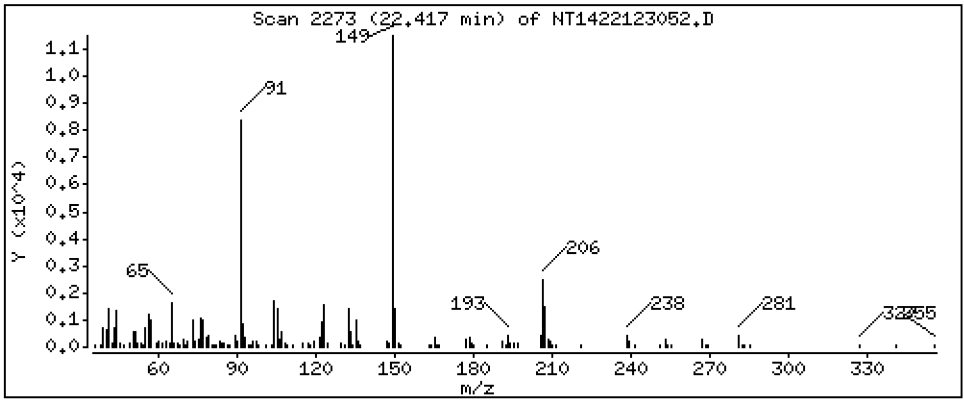
Client ID: Instrument: nt14.i

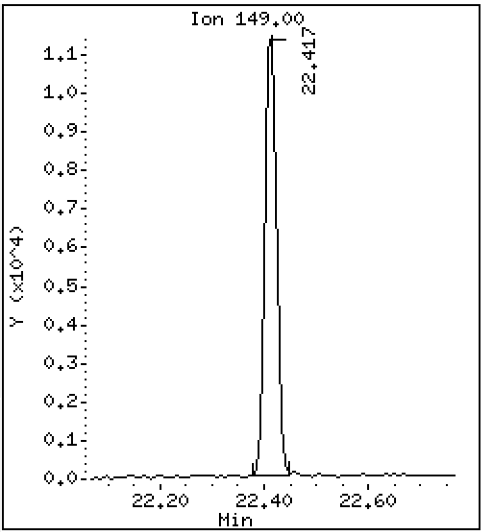
Sample Info: SKL0356-LCV2

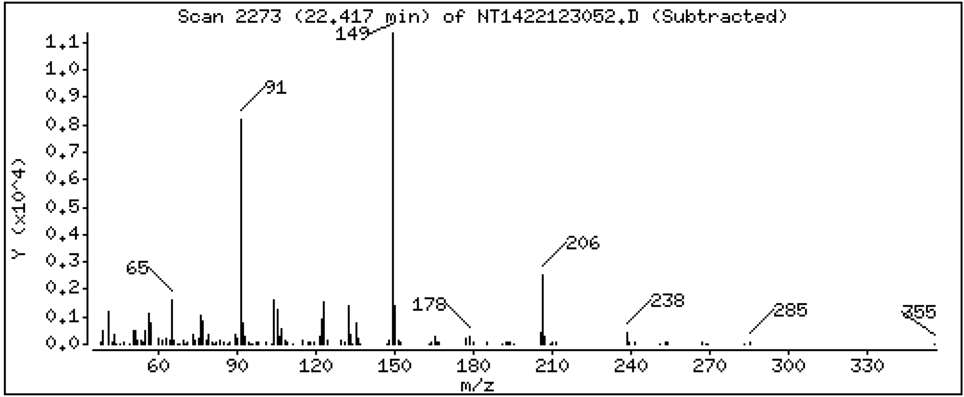
Operator: VTS

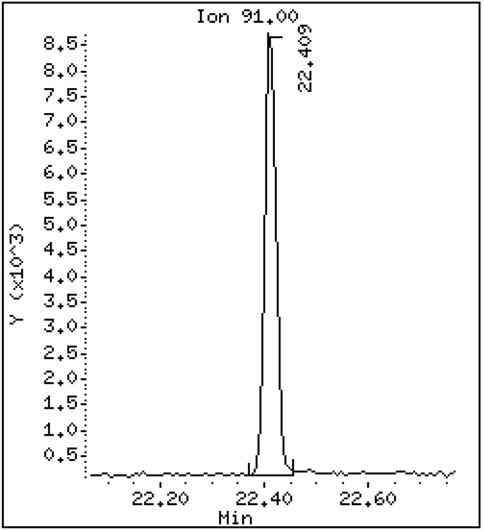
Column phase: ZB-5msi Column diameter: 0.25

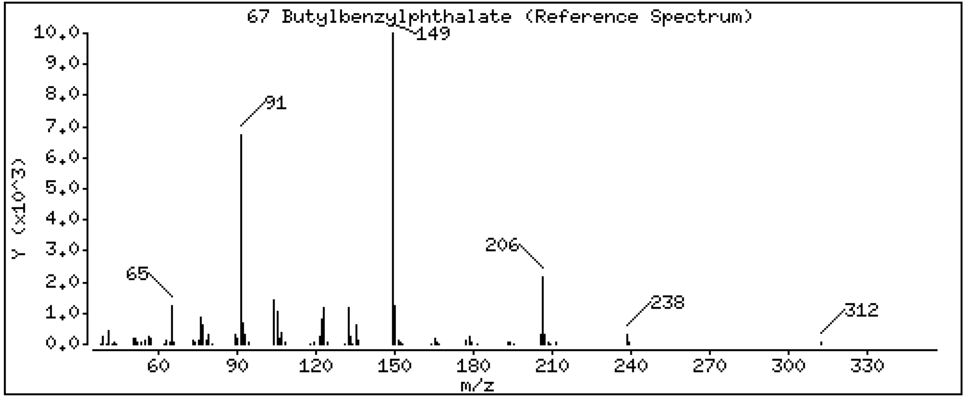
67 Butylbenzylphthalate Concentration: 0.4436 ug/mL

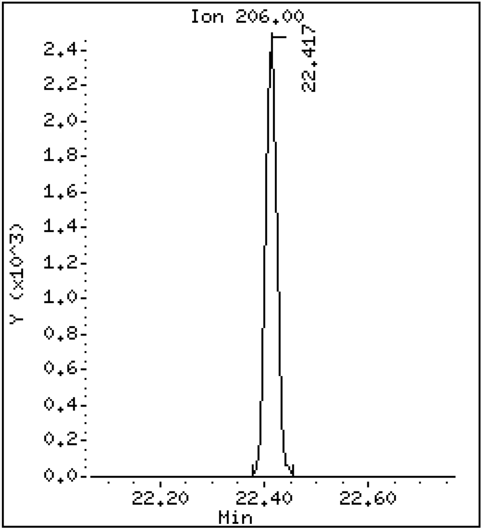


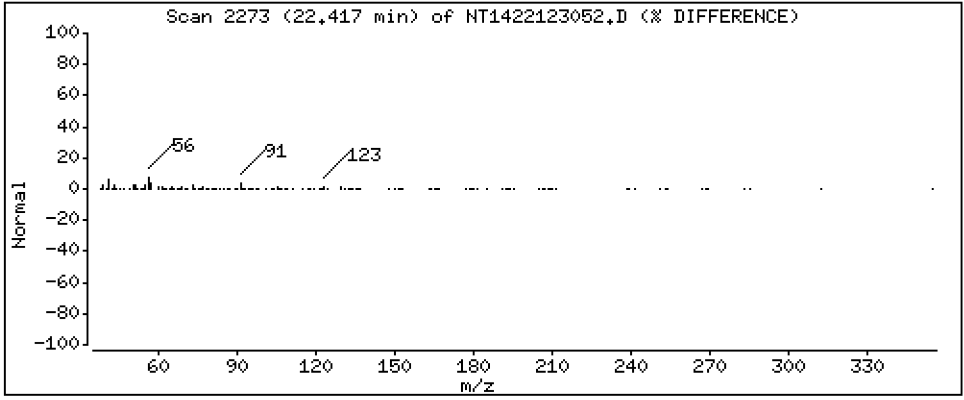












Data File: \\target\share\chem3\nt14.i\20221230B.b\NT1422123052.D

Date : 31-DEC-2022 15:05

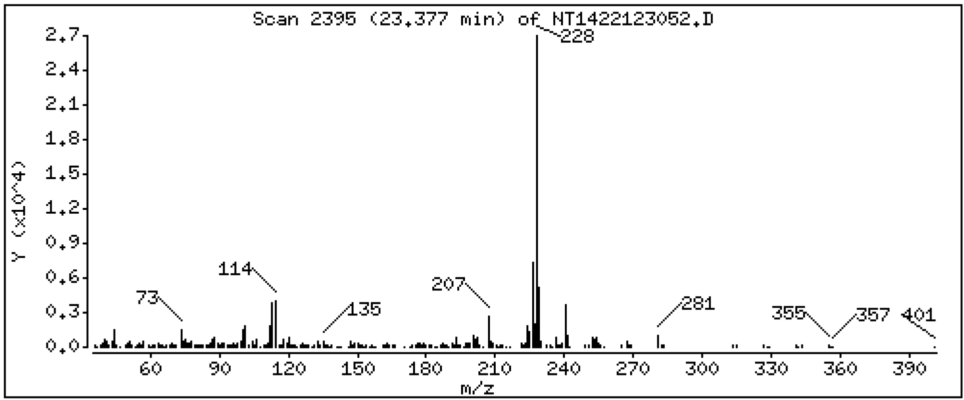
Client ID: Instrument: nt14.i

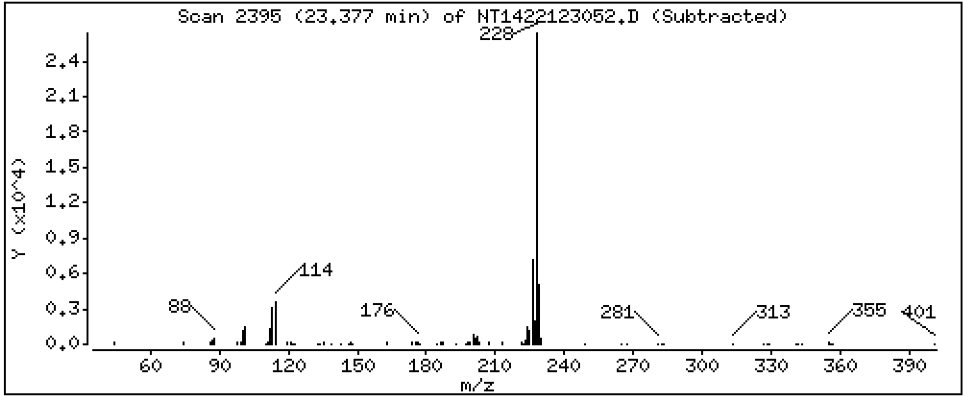
Sample Info: SKL0356-LCV2

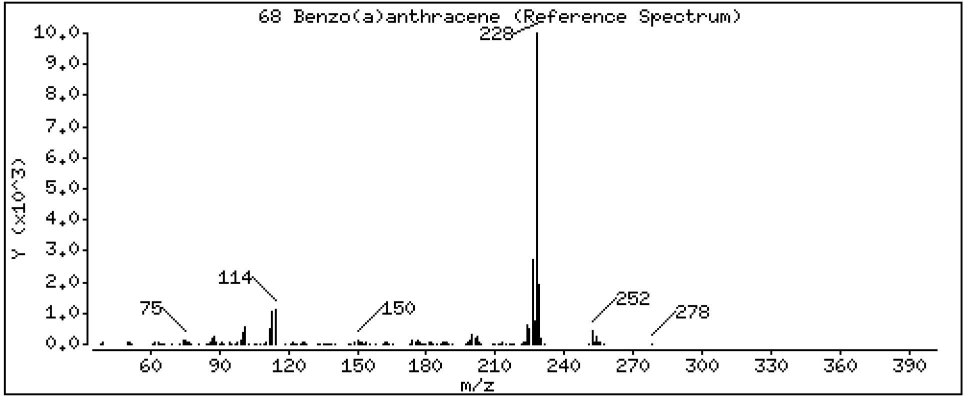
Operator: VTS

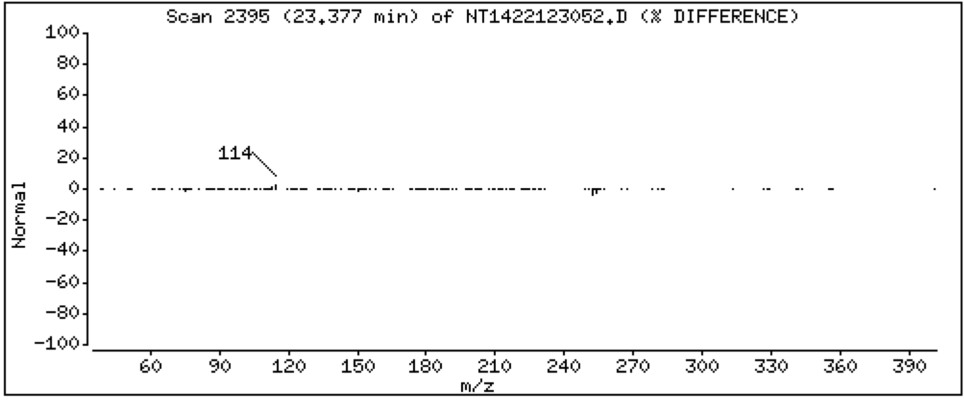
Column phase: ZB-5msi Column diameter: 0.25

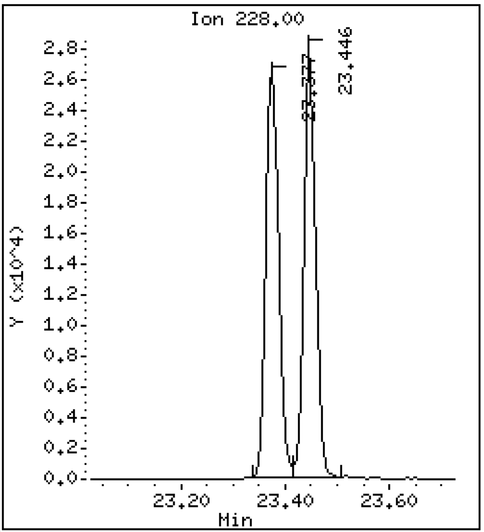
68 Benzo(a)anthracene Concentration: 0.4849 ug/mL

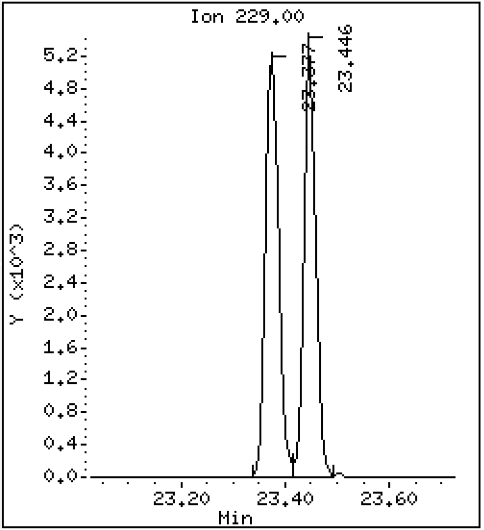

Scan 2395 (23.377 min) of NT1422123052.D

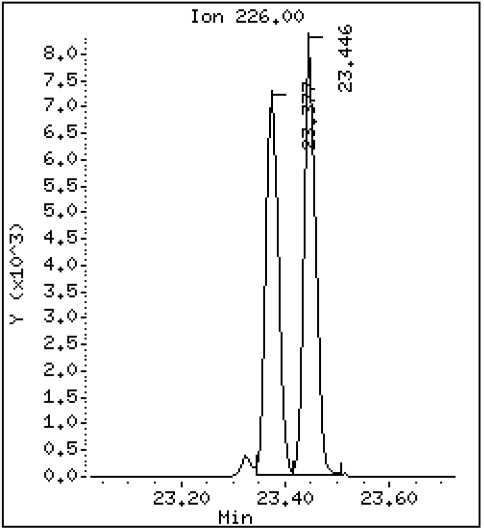

Scan 2395 (23.377 min) of NT1422123052.D (Subtracted)


68 Benzo(a)anthracene (Reference Spectrum)


Scan 2395 (23.377 min) of NT1422123052.D (% DIFFERENCE)


Ion 228.00


Ion 229.00


Ion 226.00

Data File: \\target\share\chem3\nt14.i\20221230B.b\NT1422123052.D

Date : 31-DEC-2022 15:05

Client ID:

Instrument: nt14.i

Sample Info: SKL0356-LCV2

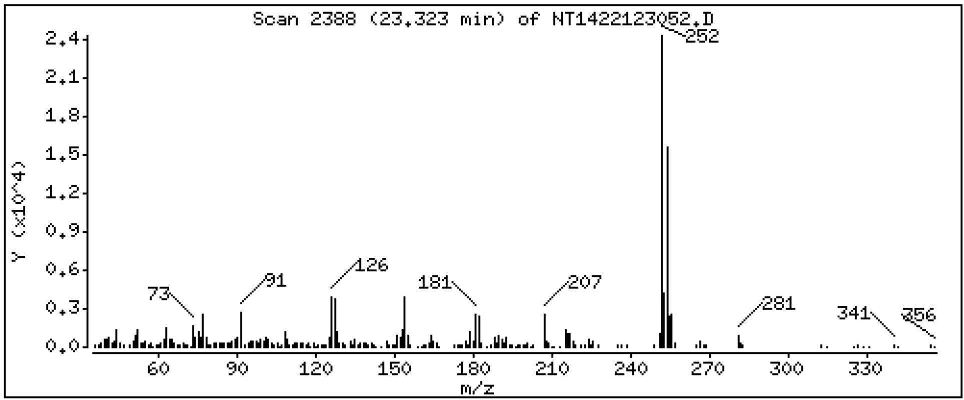
Operator: VTS

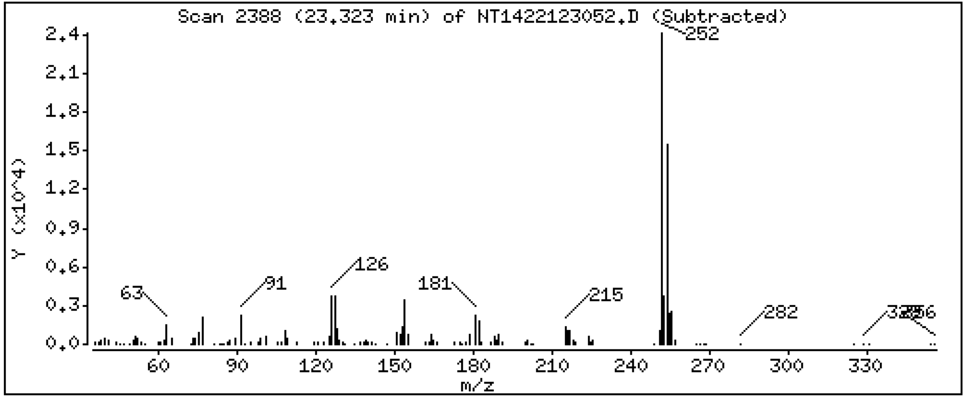
Column phase: ZB-5msi

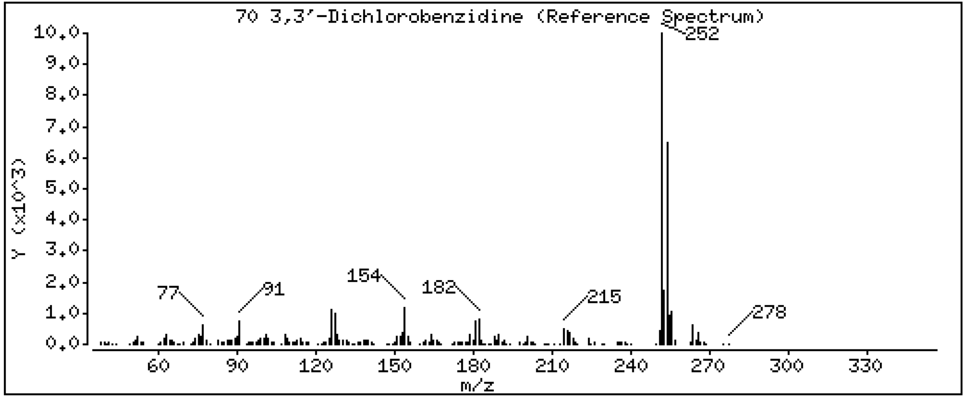
Column diameter: 0.25

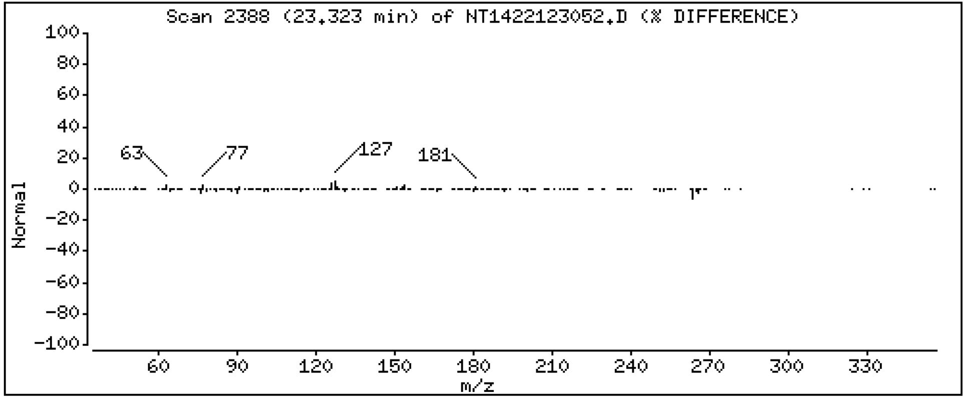
70 3,3'-Dichlorobenzidine

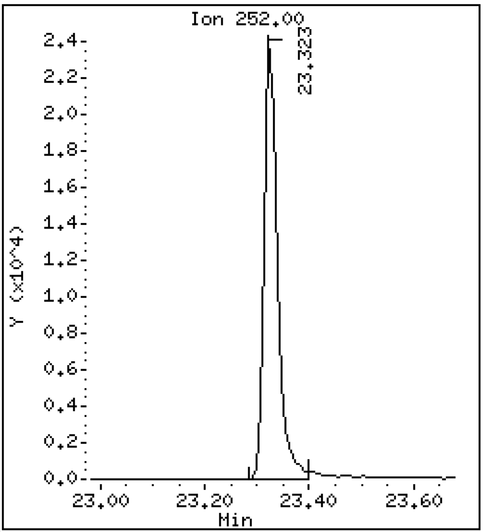
Concentration: 1.479 ug/mL

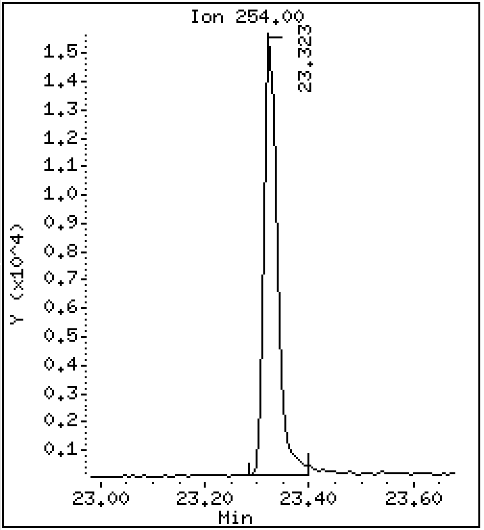

Scan 2388 (23.323 min) of NT1422123052.D

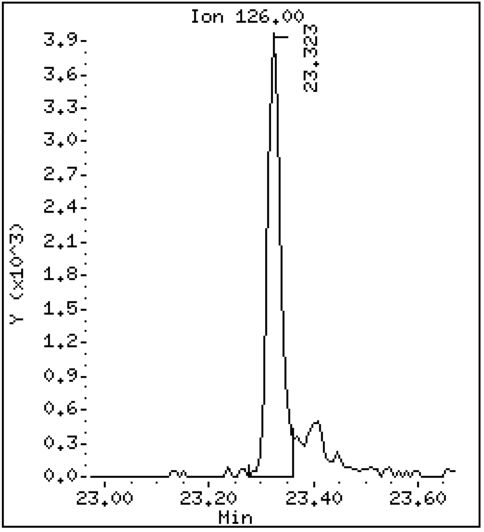

Scan 2388 (23.323 min) of NT1422123052.D (Subtracted)


70 3,3'-Dichlorobenzidine (Reference Spectrum)


Scan 2388 (23.323 min) of NT1422123052.D (% DIFFERENCE)


Ion 252.00


Ion 254.00


Ion 126.00

Data File: \\target\share\chem3\nt14.i\20221230B.b\NT1422123052.D

Date : 31-DEC-2022 15:05

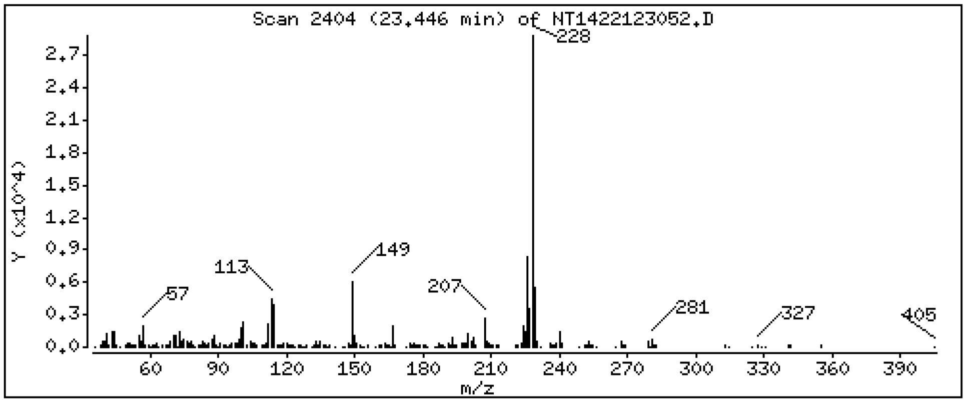
Client ID: Instrument: nt14.i

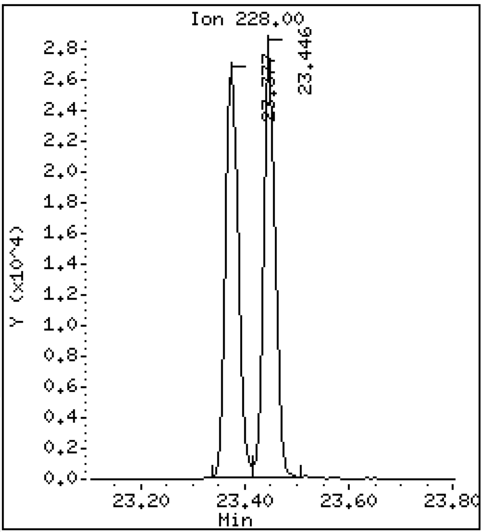
Sample Info: SKL0356-LCV2

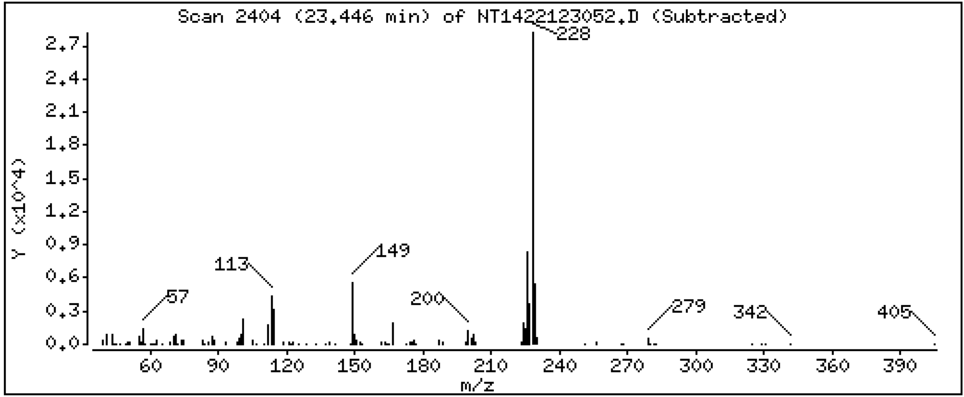
Operator: VTS

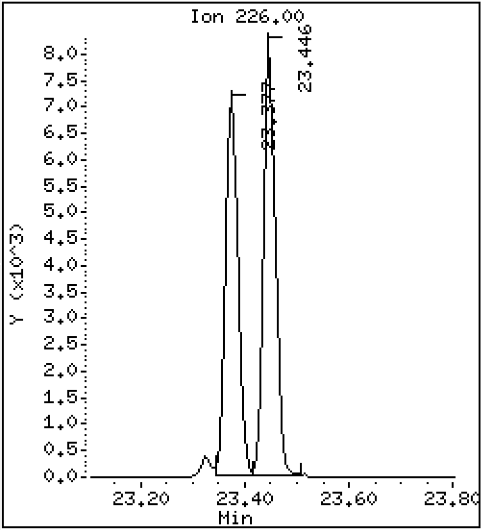
Column phase: ZB-5msi Column diameter: 0.25

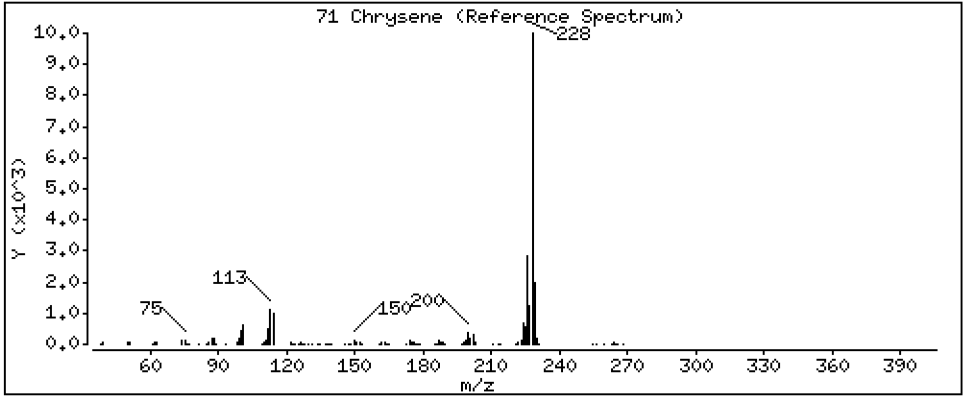
71 Chrysene Concentration: 0.4899 ug/mL

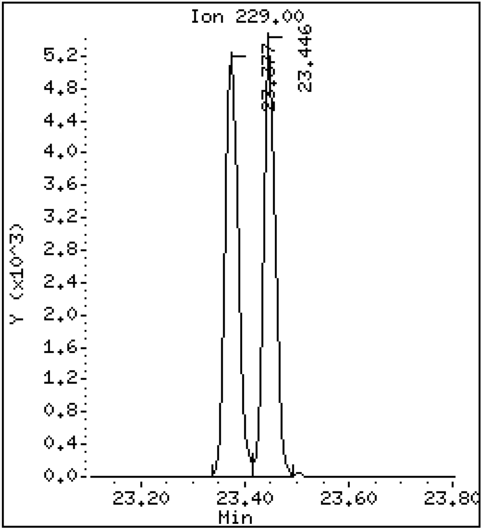


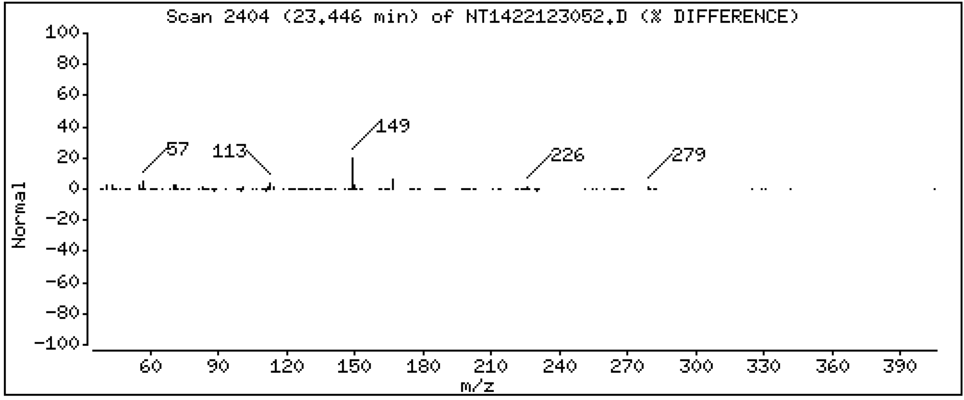












Data File: \\target\share\chem3\nt14.i\20221230B.b\NT1422123052.D

Date : 31-DEC-2022 15:05

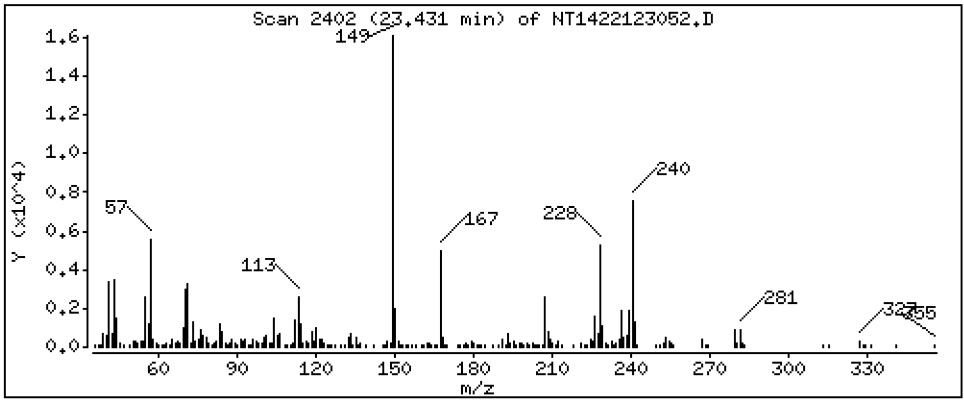
Client ID: Instrument: nt14.i

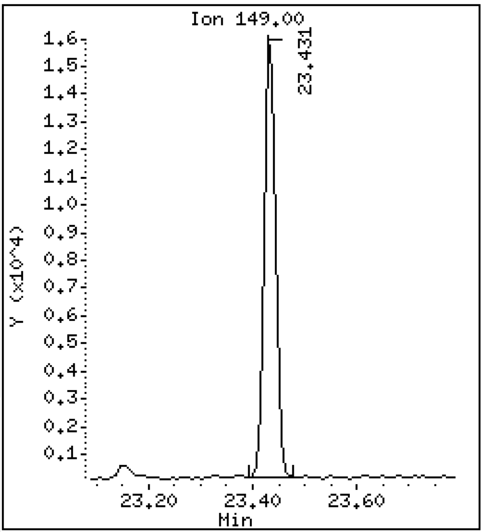
Sample Info: SKL0356-LCV2

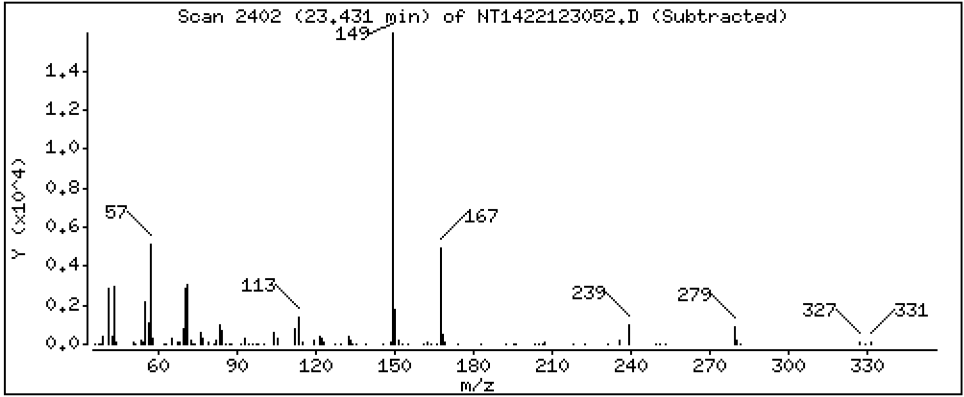
Operator: VTS

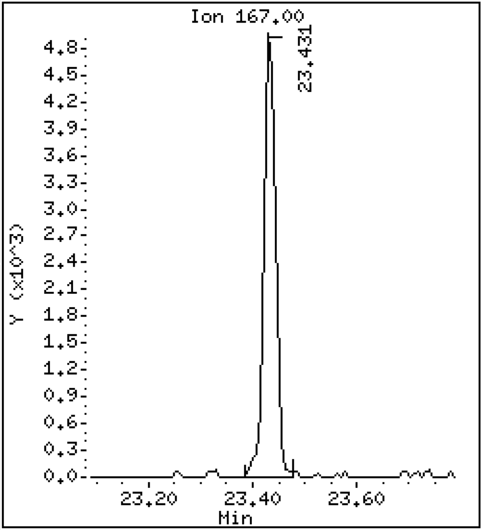
Column phase: ZB-5msi Column diameter: 0.25

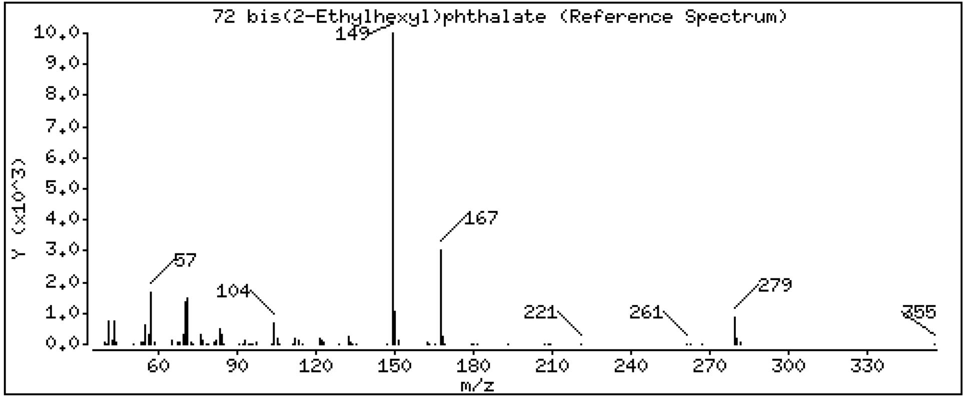
72 bis(2-Ethylhexyl)phthalate Concentration: 0.4704 ug/mL

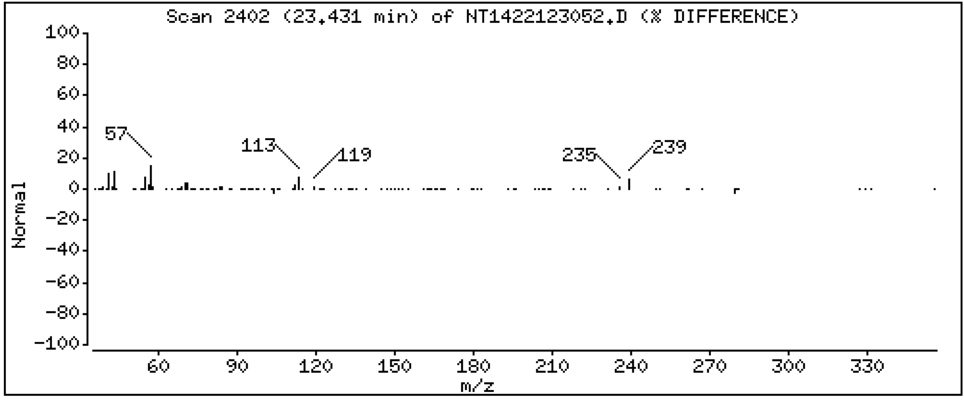

Scan 2402 (23.431 min) of NT1422123052.D

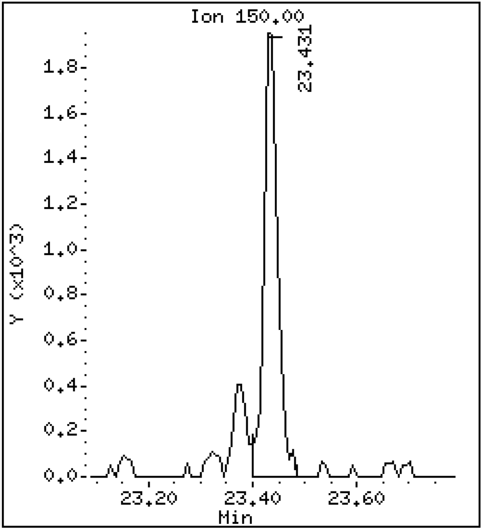

Ion 149.00


Scan 2402 (23.431 min) of NT1422123052.D (Subtracted)


Ion 167.00


72 bis(2-Ethylhexyl)phthalate (Reference Spectrum)


Scan 2402 (23.431 min) of NT1422123052.D (% DIFFERENCE)


Ion 150.00

Data File: \\target\share\chem3\nt14.i\20221230B.b\NT1422123052.D

Date : 31-DEC-2022 15:05

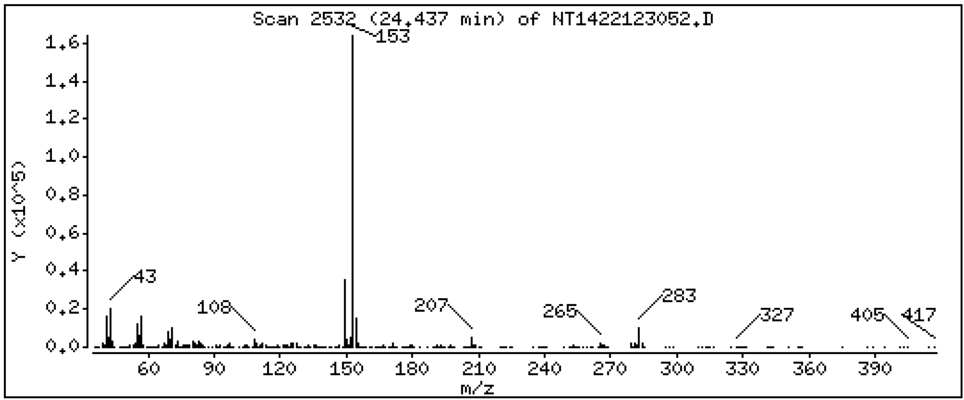
Client ID: Instrument: nt14.i

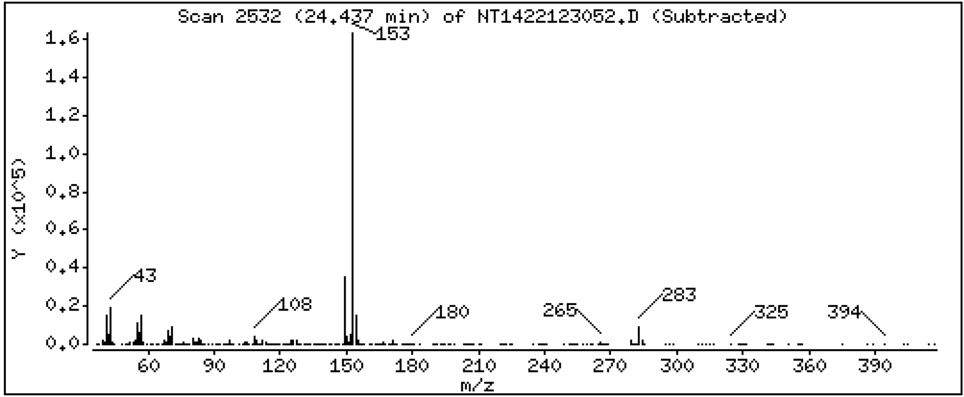
Sample Info: SKL0356-LCV2

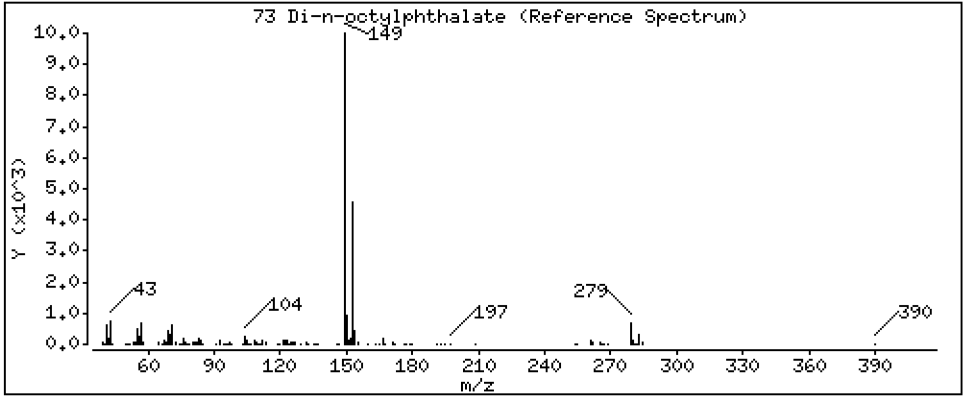
Operator: VTS

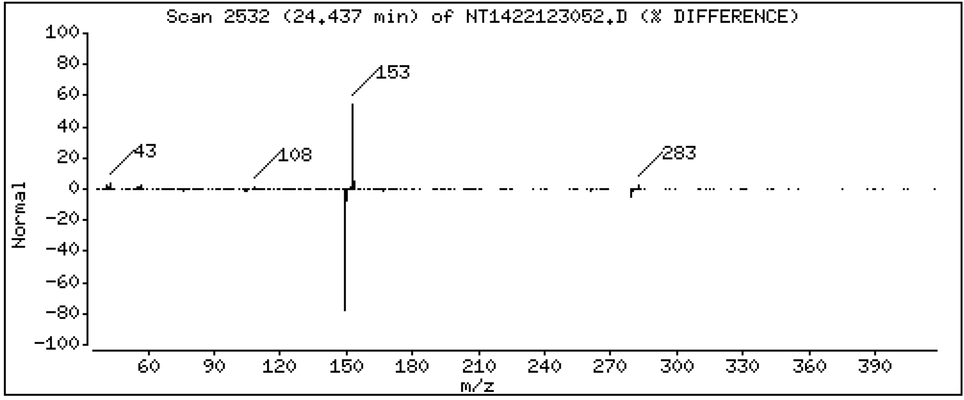
Column phase: ZB-5msi Column diameter: 0.25

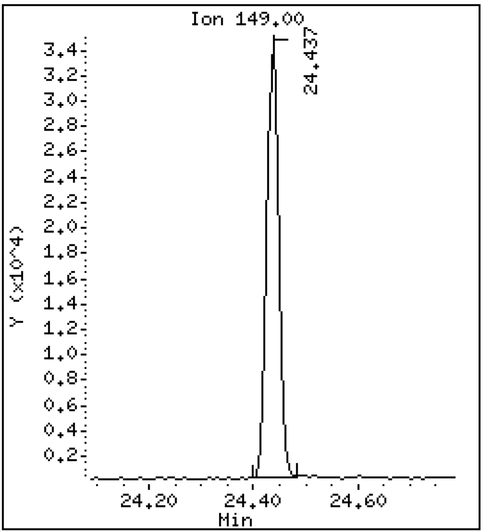
73 Di-n-octylphthalate Concentration: 0.4879 ug/mL

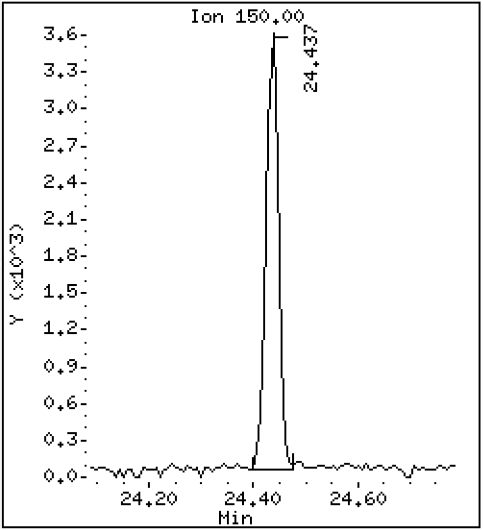

Scan 2532 (24.437 min) of NT1422123052.D


Scan 2532 (24.437 min) of NT1422123052.D (Subtracted)


73 Di-n-octylphthalate (Reference Spectrum)


Scan 2532 (24.437 min) of NT1422123052.D (% DIFFERENCE)


Ion 149.00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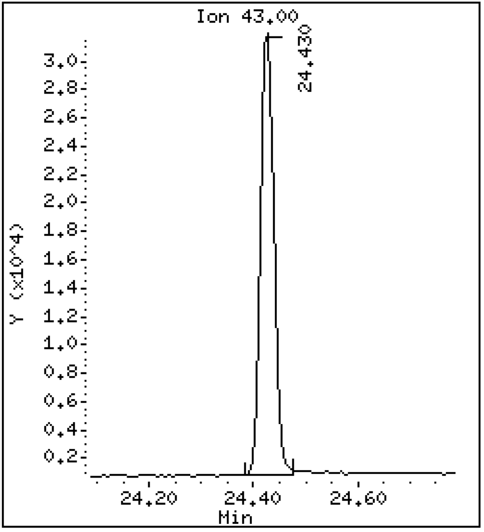

Ion 43.00

Date : 31-DEC-2022 15:05

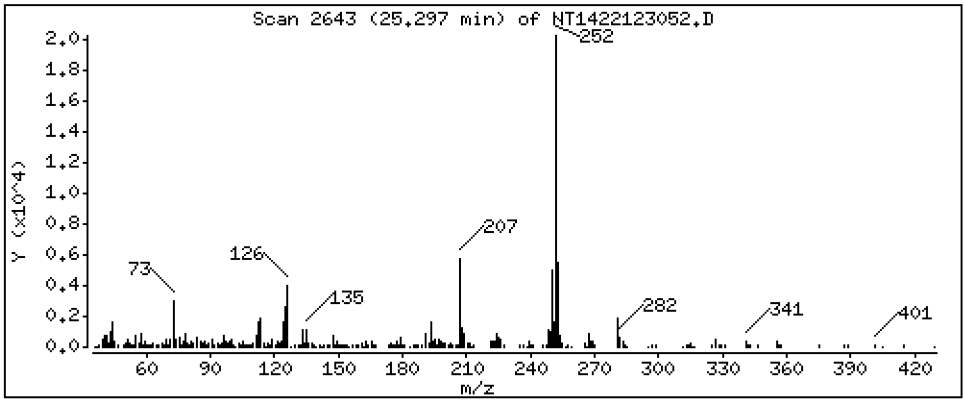
Client ID: Instrument: nt14.i

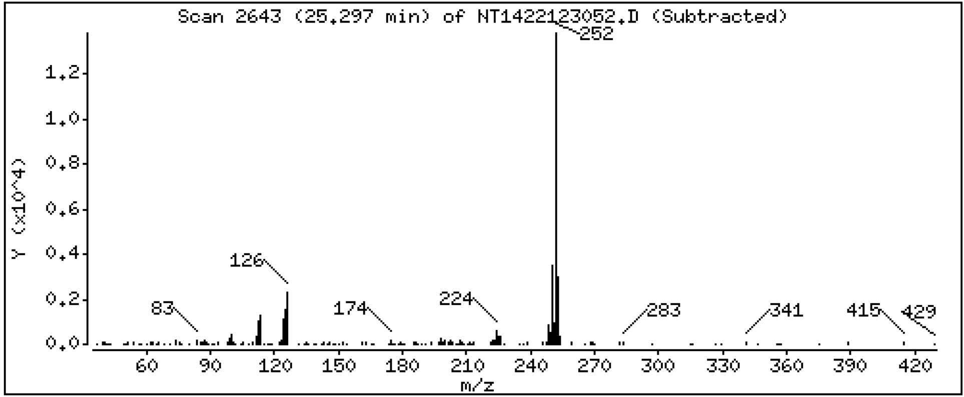
Sample Info: SKL0356-LCV2

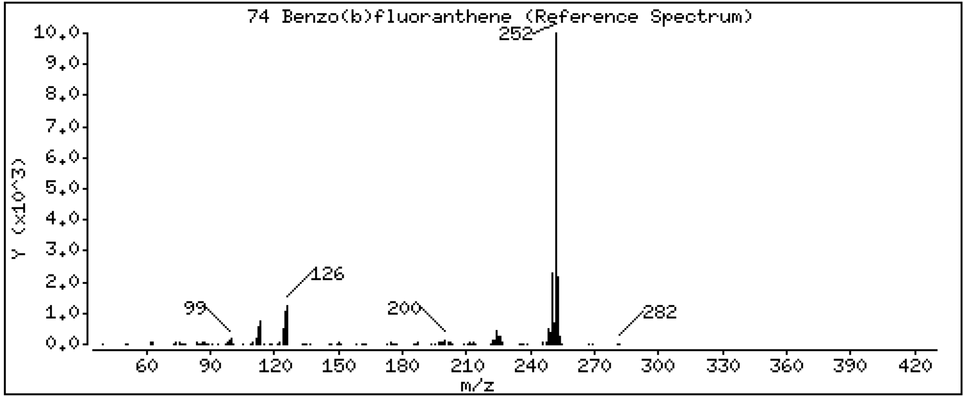
Operator: VTS

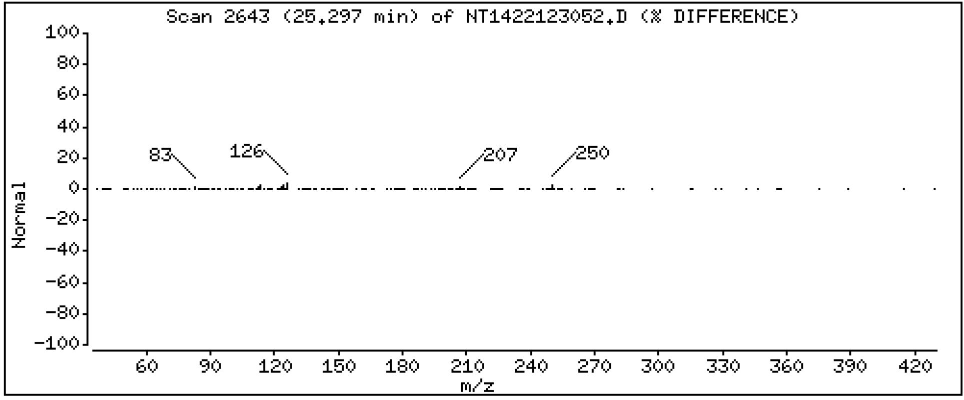
Column phase: ZB-5msi Column diameter: 0.25

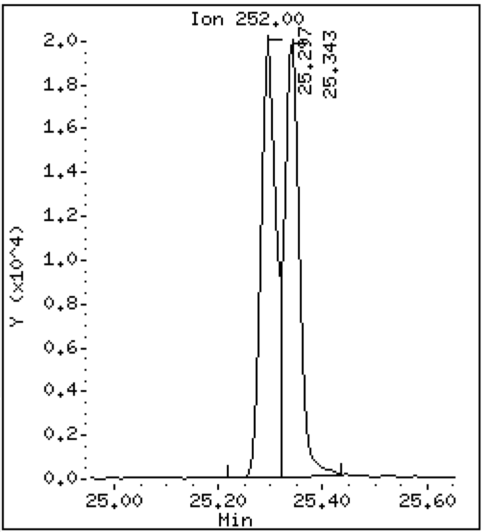
74 Benzo(b)fluoranthene Concentration: 0.5079 ug/mL

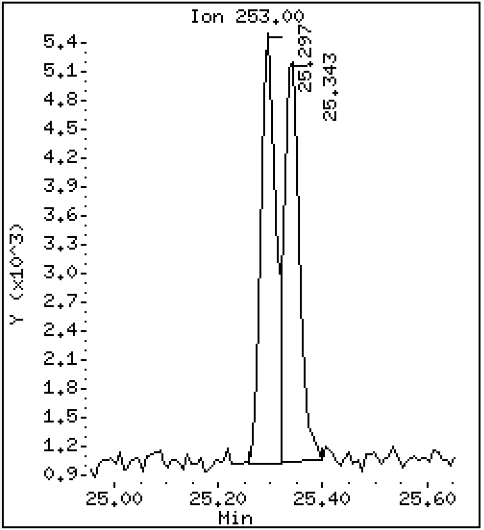


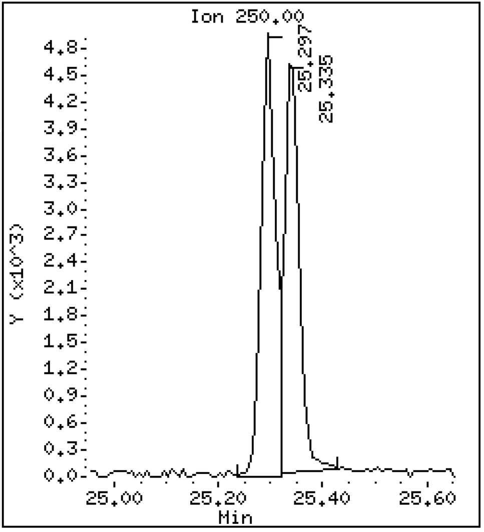












Data File: \\target\share\chem3\nt14.i\20221230B.b\NT1422123052.D

Date : 31-DEC-2022 15:05

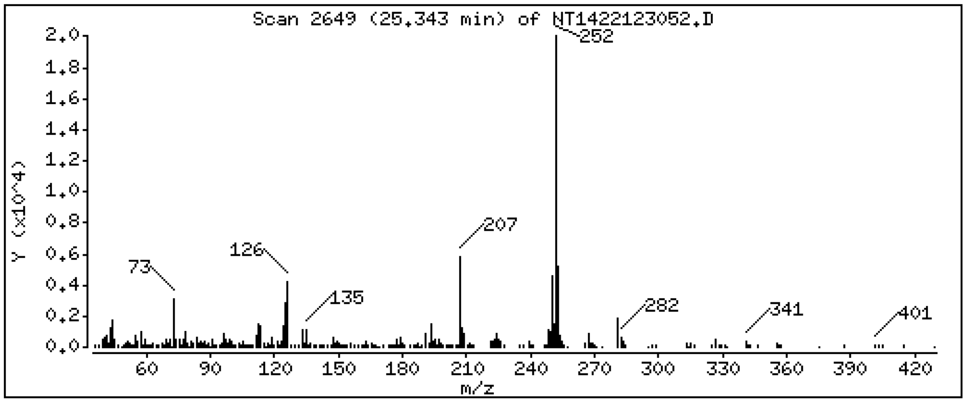
Client ID: Instrument: nt14.i

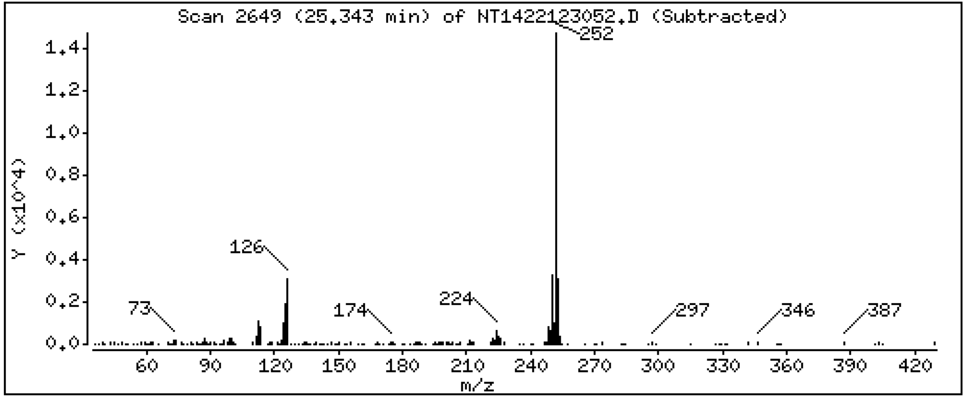
Sample Info: SKL0356-LCV2

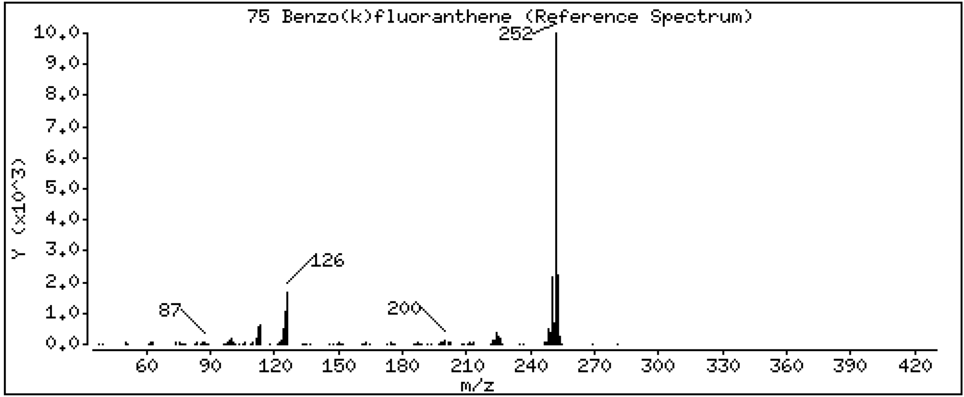
Operator: VTS

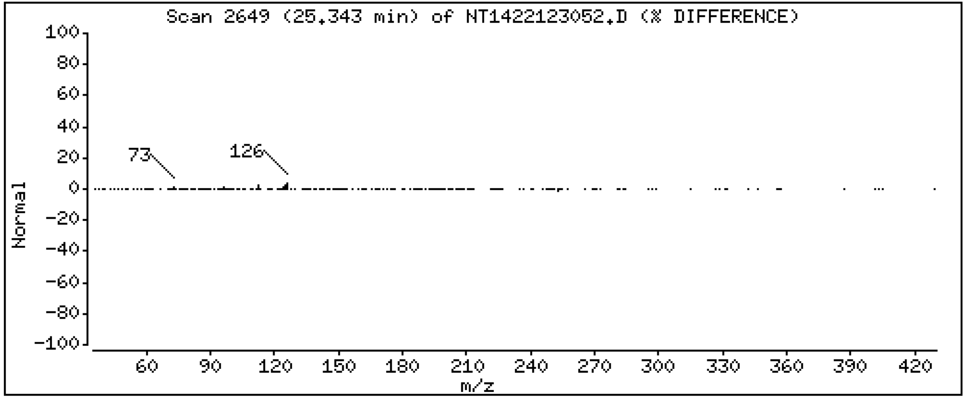
Column phase: ZB-5msi Column diameter: 0.25

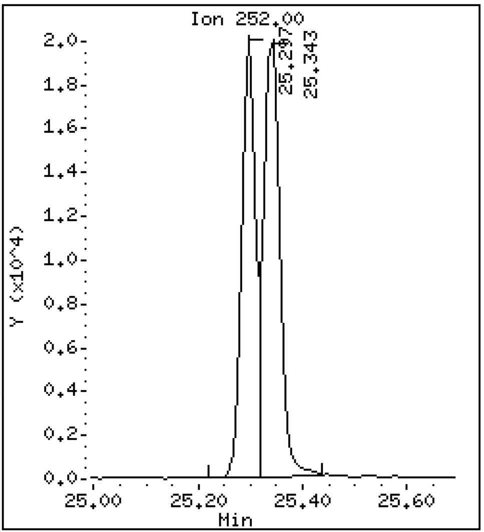
75 Benzo(k)fluoranthene Concentration: 0.5155 ug/mL

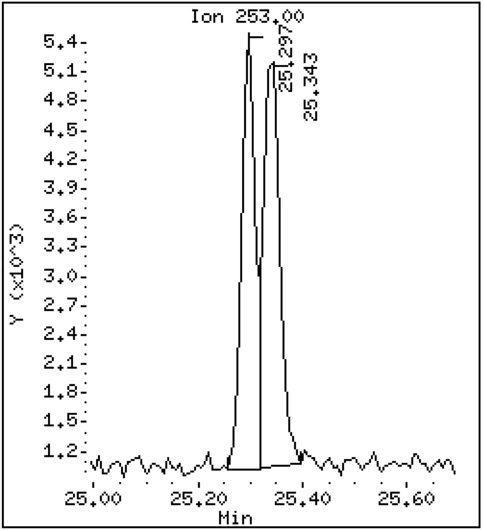

Scan 2649 (25.343 min) of NT1422123052.D

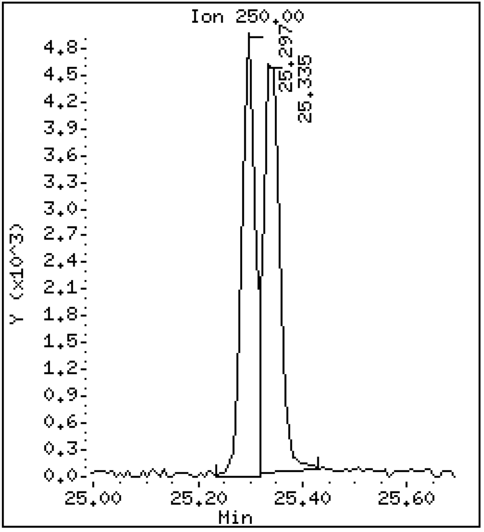

Scan 2649 (25.343 min) of NT1422123052.D (Subtracted)


75 Benzo(k)fluoranthene (Reference Spectrum)


Scan 2649 (25.343 min) of NT1422123052.D (% DIFFERENCE)


Ion 252.00


Ion 253.00


Ion 250.00

Data File: \\target\share\chem3\nt14.i\20221230B.b\NT1422123052.D

Date : 31-DEC-2022 15:05

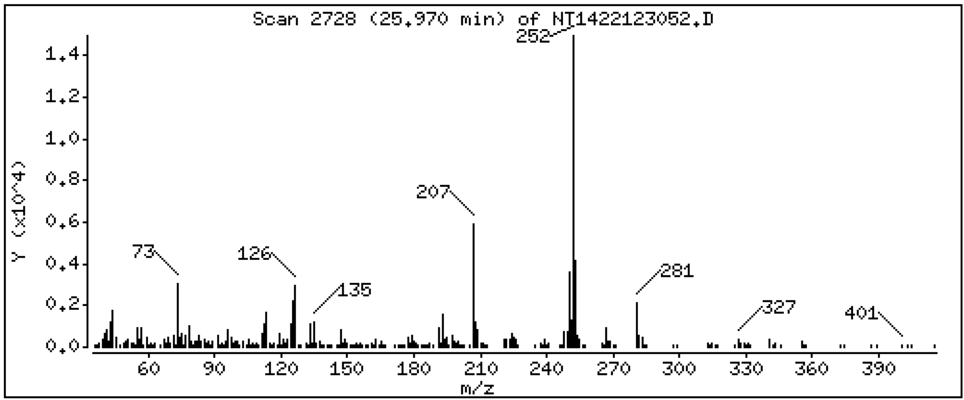
Client ID: Instrument: nt14.i

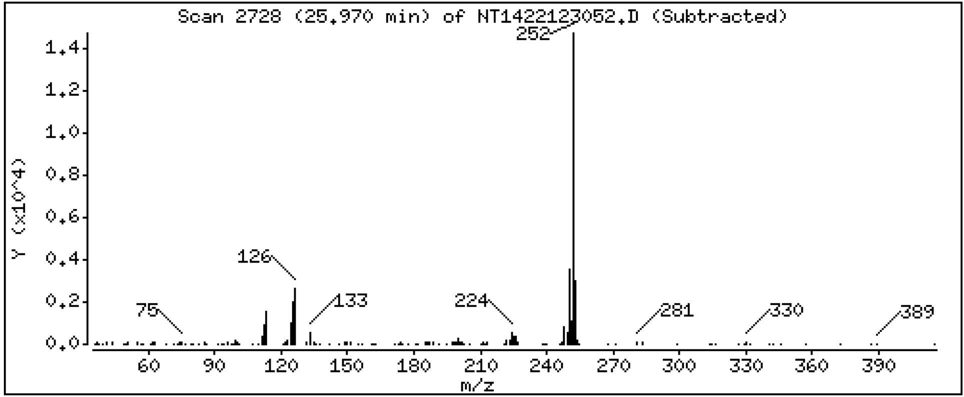
Sample Info: SKL0356-LCV2

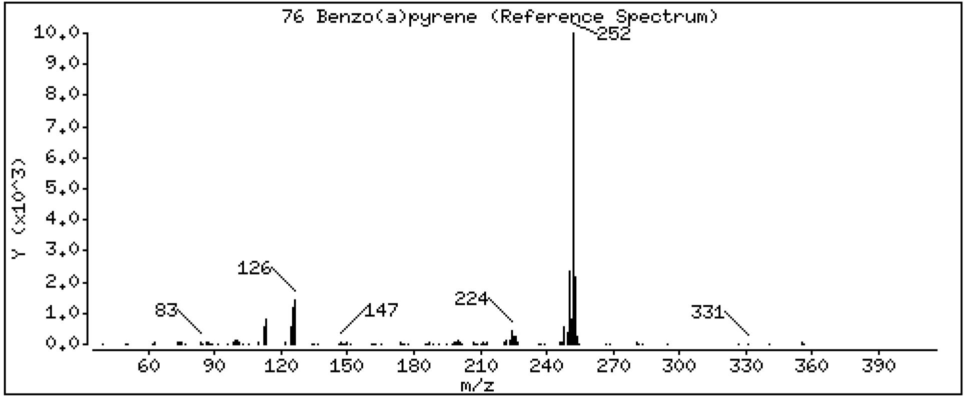
Operator: VTS

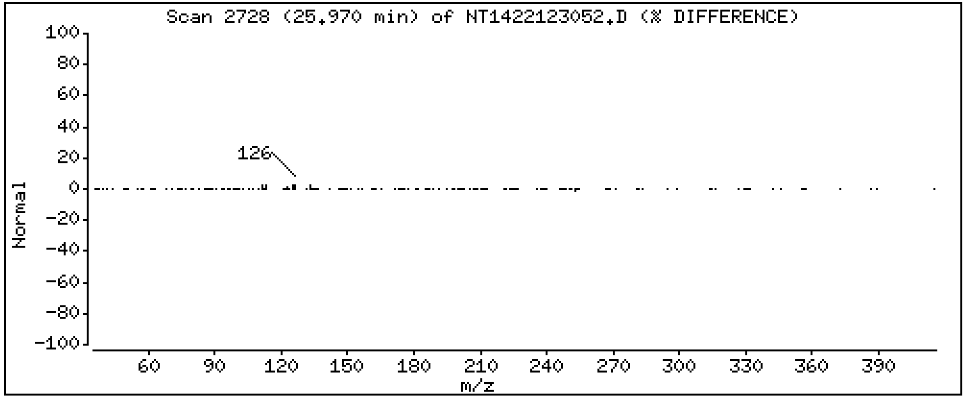
Column phase: ZB-5msi Column diameter: 0.25

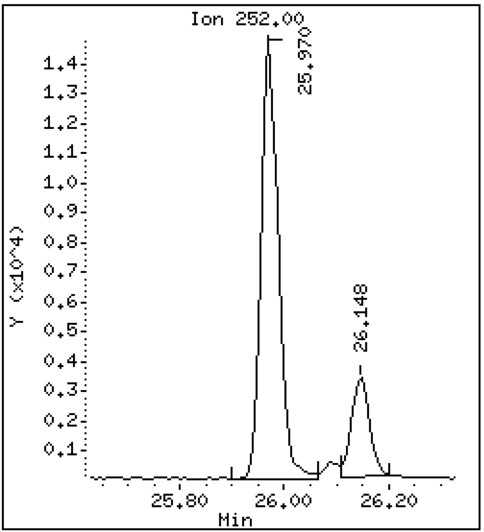
76 Benzo(a)pyrene Concentration: 0.5015 ug/mL

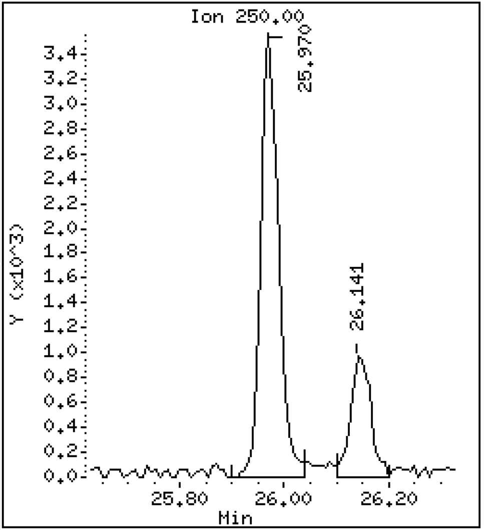


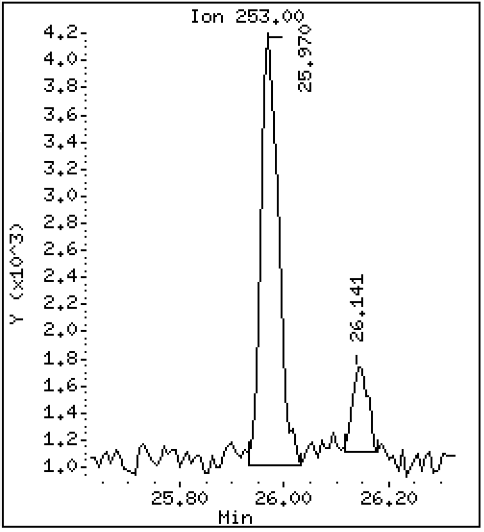












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Date : 31-DEC-2022 15:05

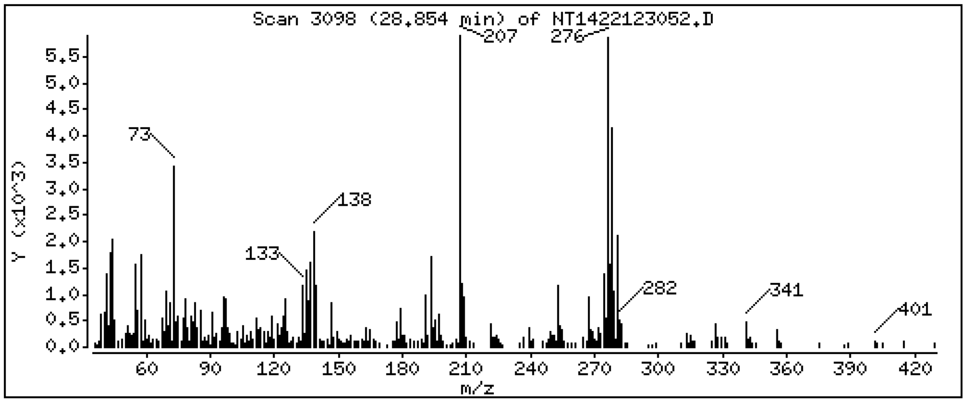
Client ID: Instrument: nt14.i

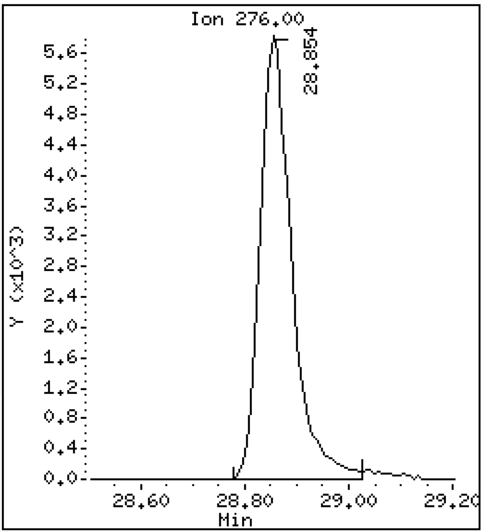
Sample Info: SKL0356-LCV2

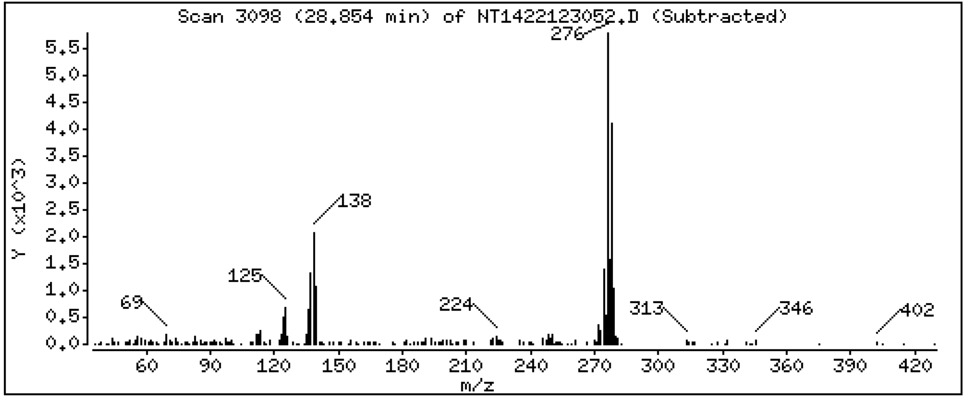
Operator: VTS

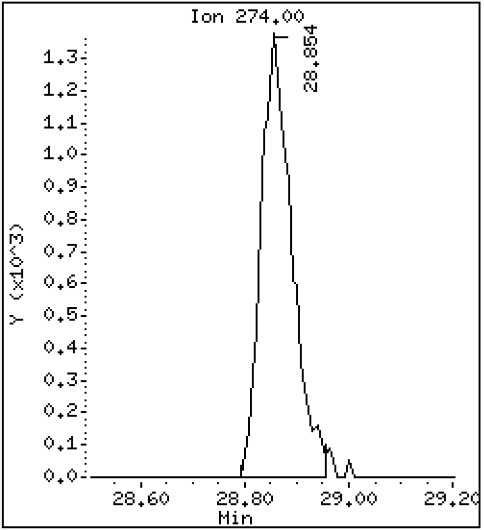
Column phase: ZB-5msi Column diameter: 0.25

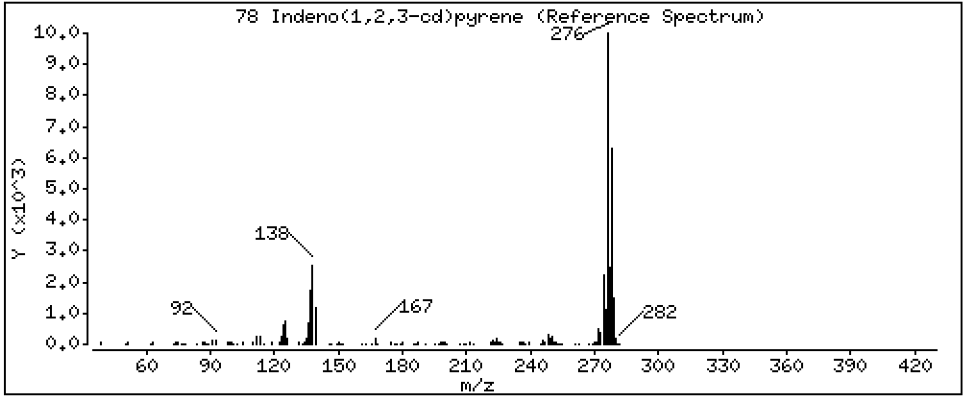
78 Indeno(1,2,3-cd)pyrene Concentration: 0.3235 ug/mL

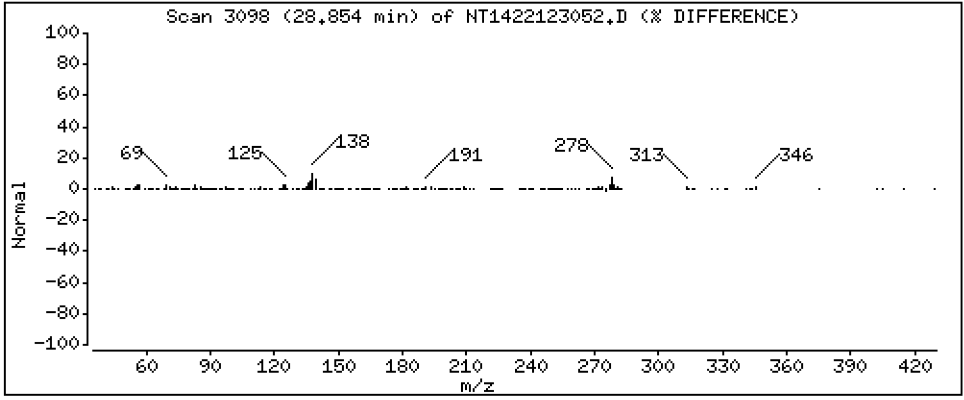


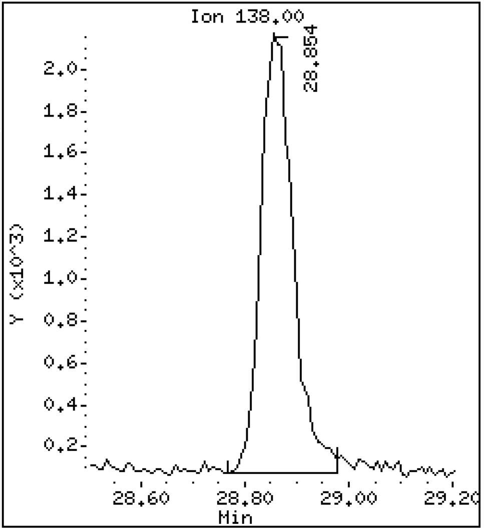












Data File: \\target\share\chem3\nt14.i\20221230B.b\NT1422123052.D

Date : 31-DEC-2022 15:05

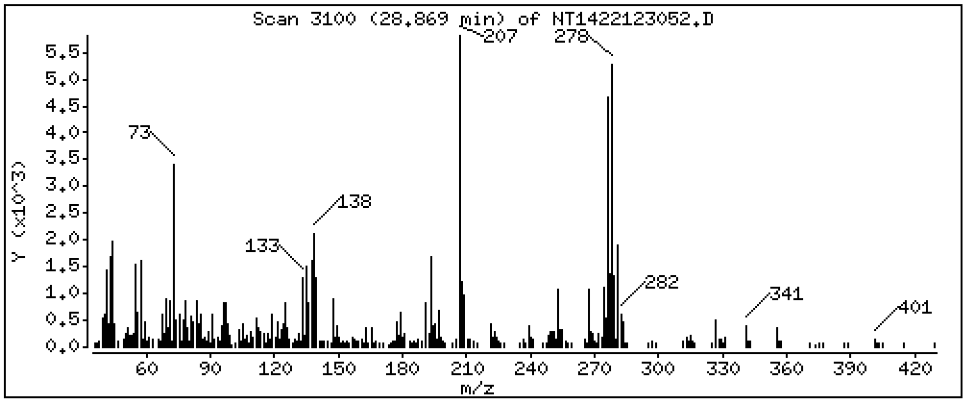
Client ID: Instrument: nt14.i

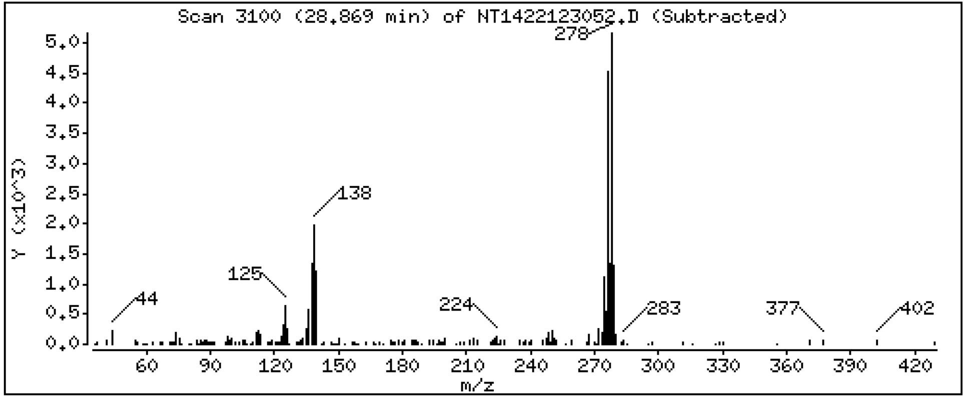
Sample Info: SKL0356-LCV2

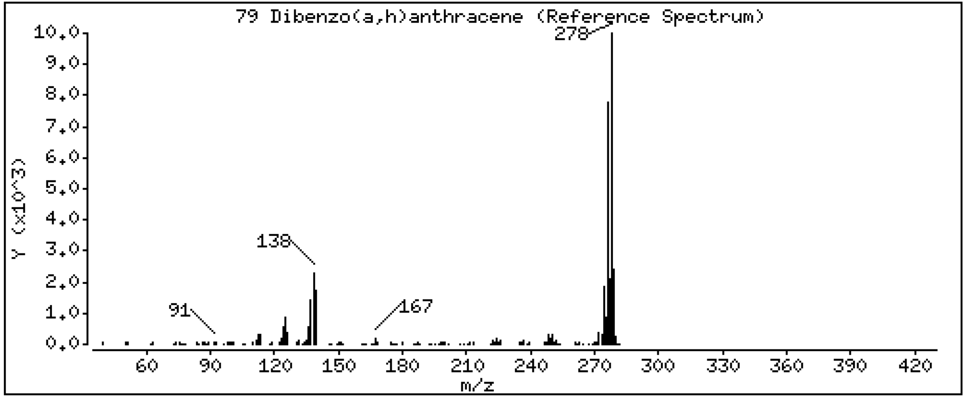
Operator: VTS

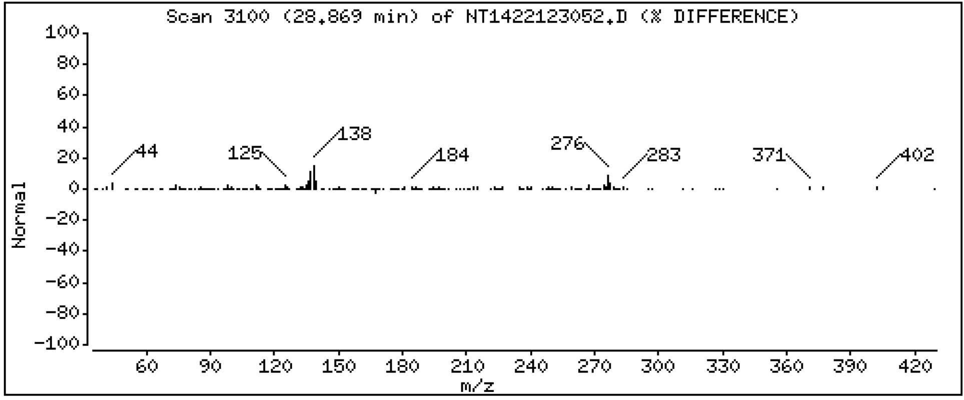
Column phase: ZB-5msi Column diameter: 0.25

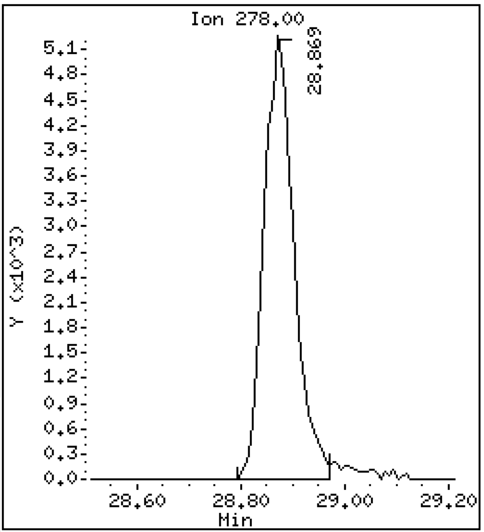
79 Dibenzo(a,h)anthracene Concentration: 0.3297 ug/mL

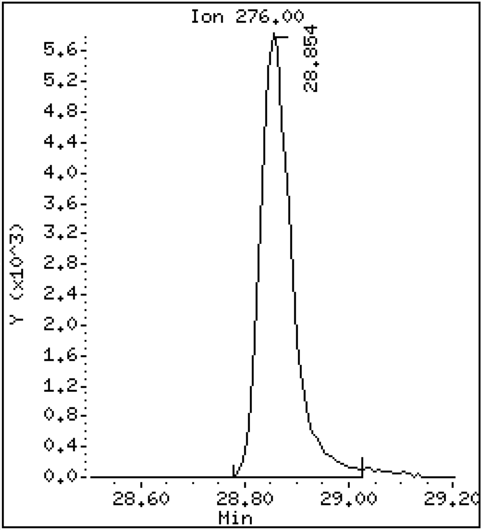

Scan 3100 (28.869 min) of NT1422123052.D

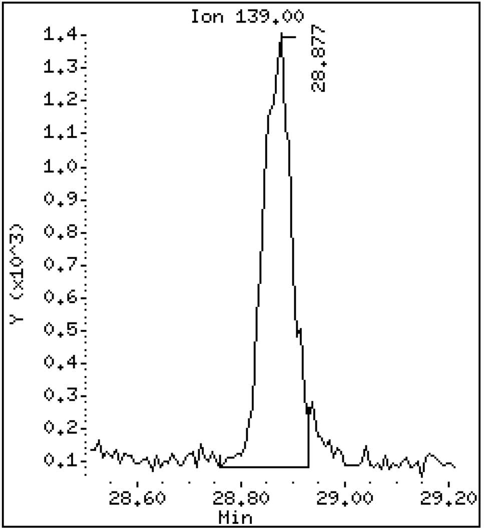

Scan 3100 (28.869 min) of NT1422123052.D (Subtracted)


79 Dibenzo(a,h)anthracene (Reference Spectrum)


Scan 3100 (28.869 min) of NT1422123052.D (% DIFFERENCE)


Ion 278.00


Ion 276.00


Ion 139.00

Data File: \\target\share\chem3\nt14.i\20221230B.b\NT1422123052.D

Date : 31-DEC-2022 15:05

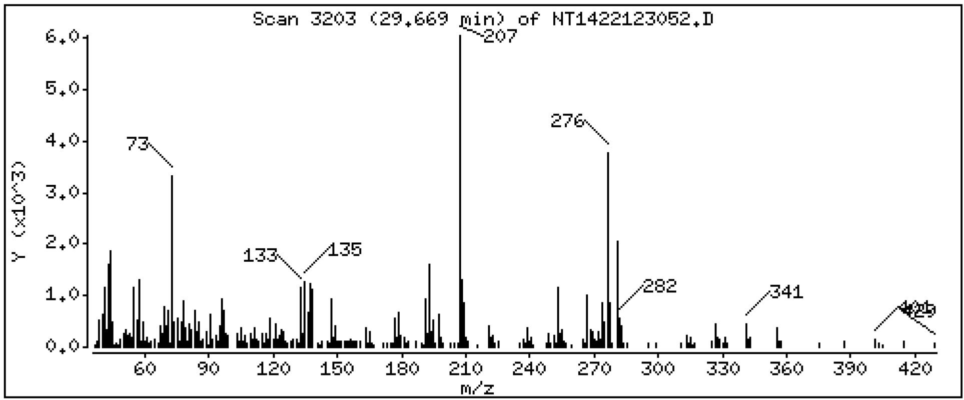
Client ID: Instrument: nt14.i

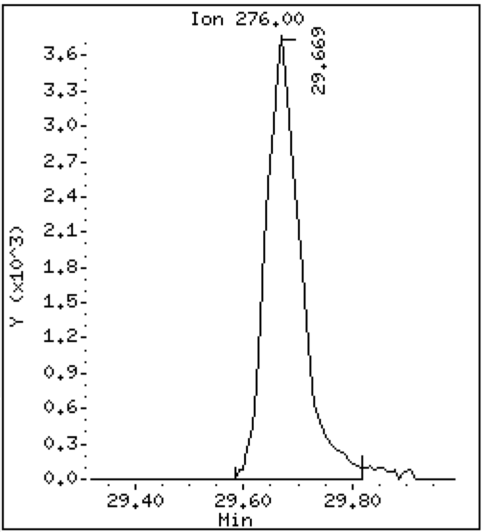
Sample Info: SKL0356-LCV2

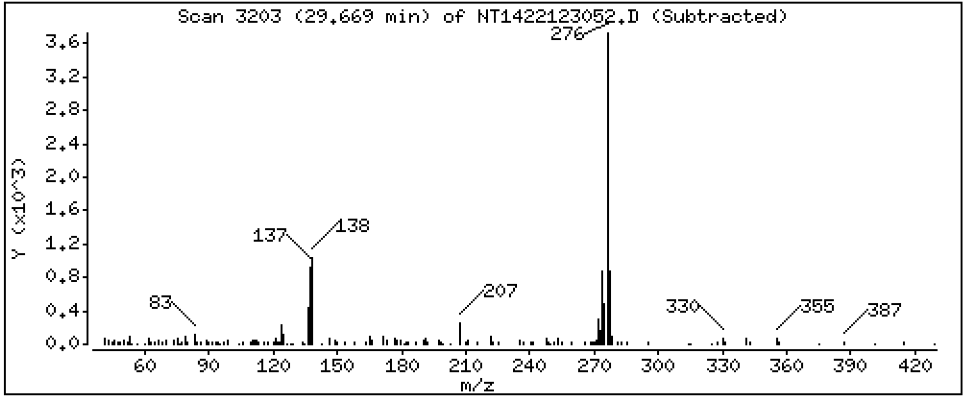
Operator: VTS

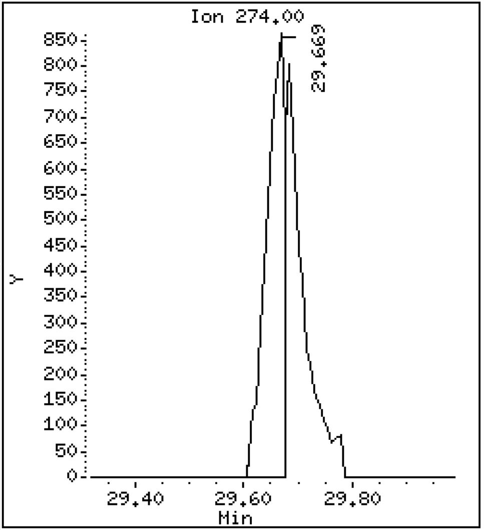
Column phase: ZB-5msi Column diameter: 0.25

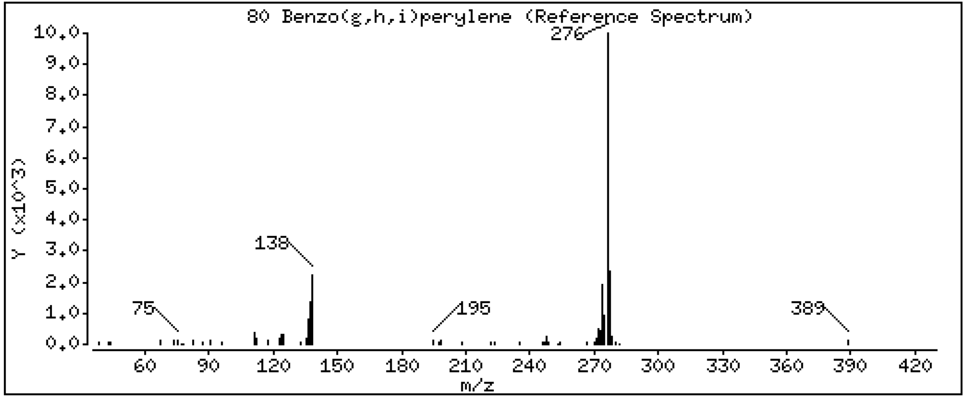
80 Benzo(g,h,i)perylene Concentration: 0.2675 ug/mL

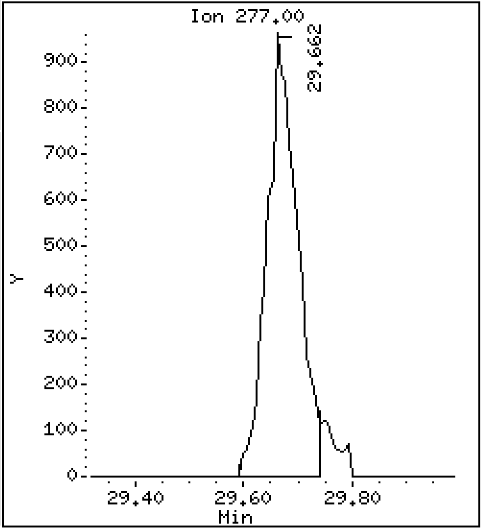


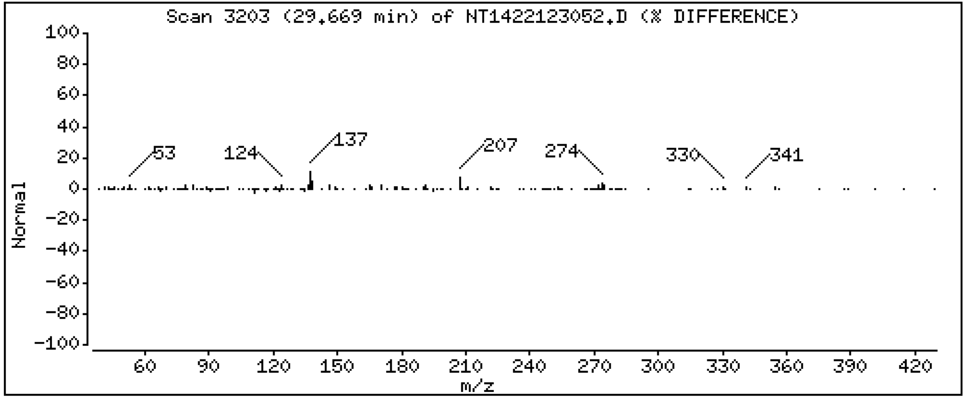












Data File: \\target\share\chem3\nt14.i\20221230B.b\NT1422123052.D

Date : 31-DEC-2022 15:05

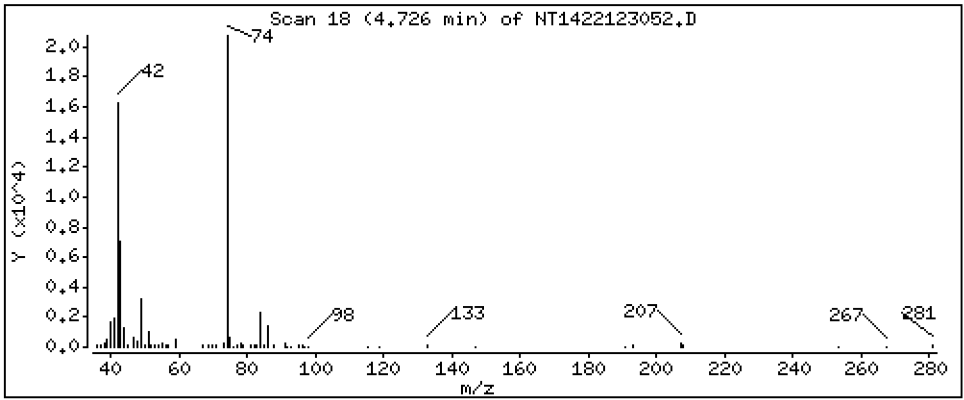
Client ID: Instrument: nt14.i

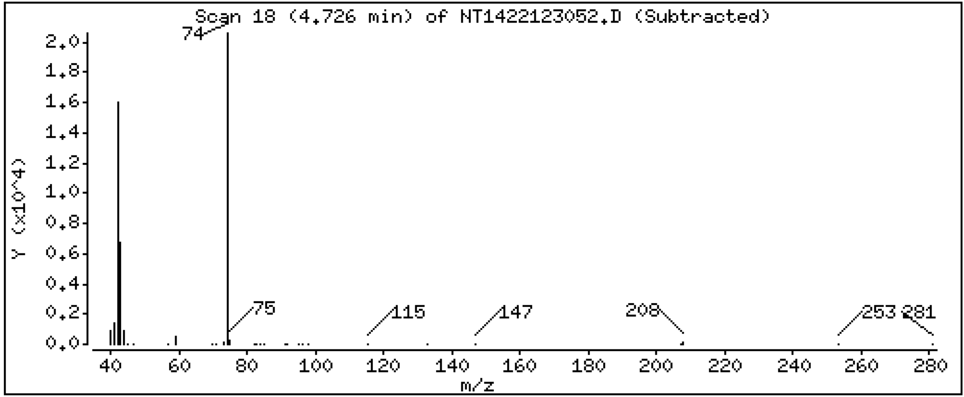
Sample Info: SKL0356-LCV2

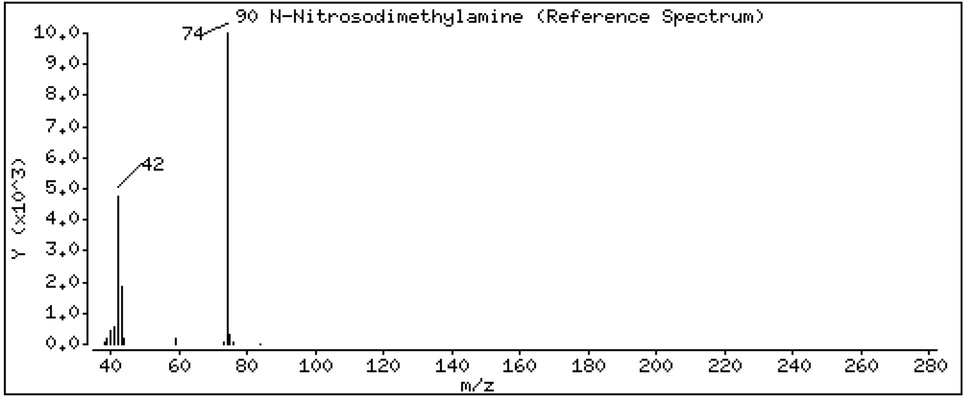
Operator: VTS

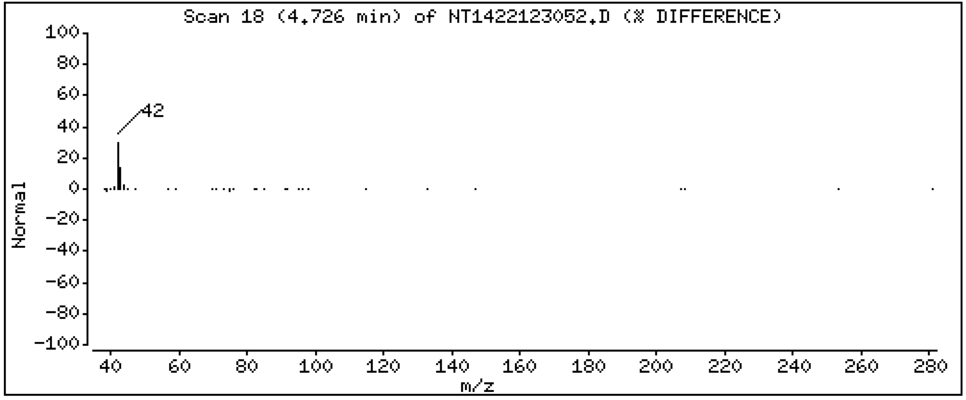
Column phase: ZB-5msi Column diameter: 0.25

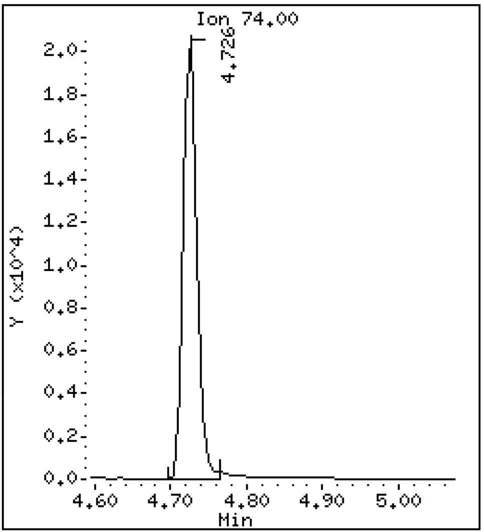
90 N-Nitrosodimethylamine Concentration: 1.002 ug/mL

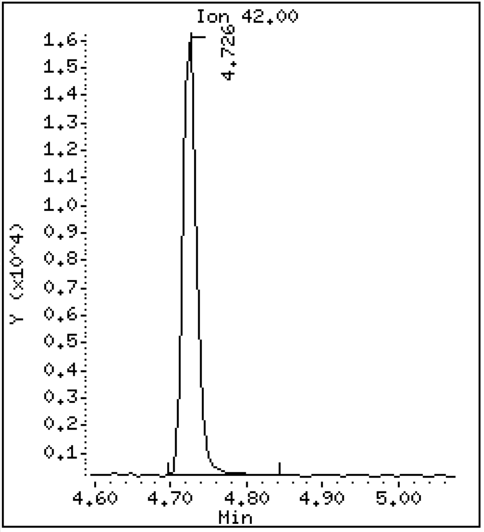

Scan 18 (4.726 min) of NT1422123052.D


Scan 18 (4.726 min) of NT1422123052.D (Subtracted)


90 N-Nitrosodimethylamine (Reference Spectrum)


Scan 18 (4.726 min) of NT1422123052.D (% DIFFERENCE)


Ion 74.00


Ion 42.00

Data File: \\target\share\chem3\nt14.i\20221230B.b\NT1422123052.D

Date : 31-DEC-2022 15:05

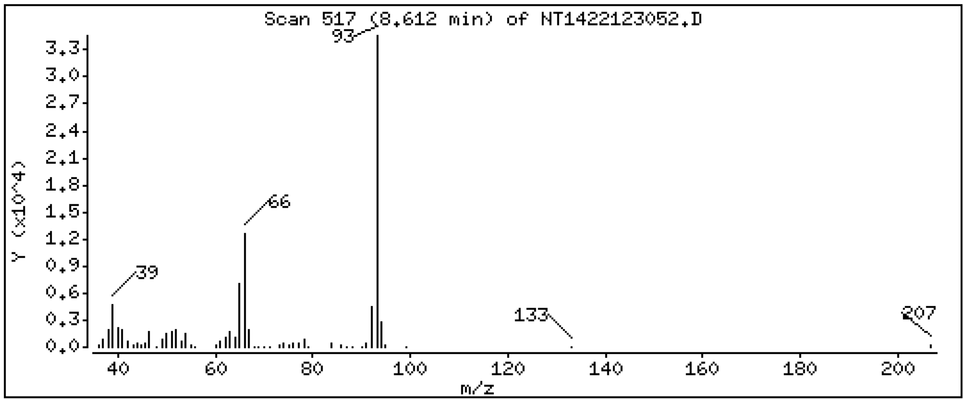
Client ID: Instrument: nt14.i

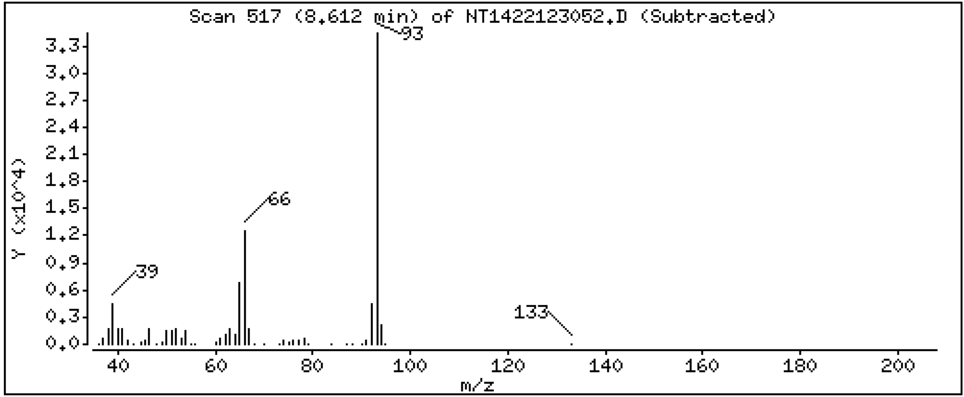
Sample Info: SKL0356-LCV2

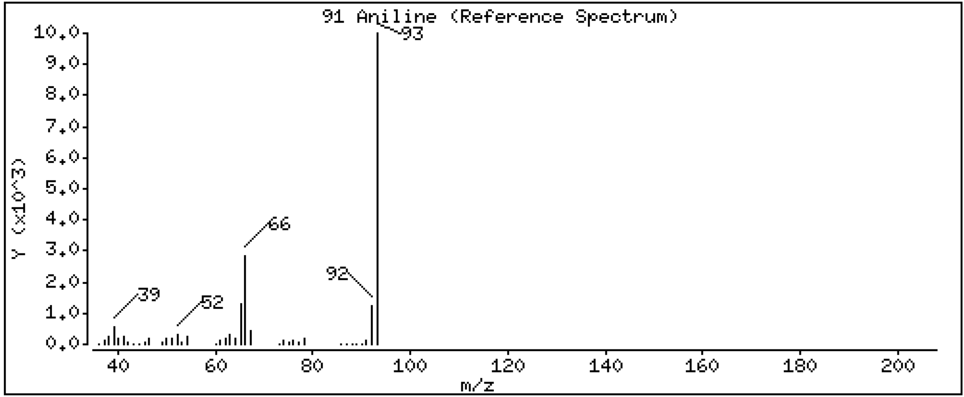
Operator: VTS

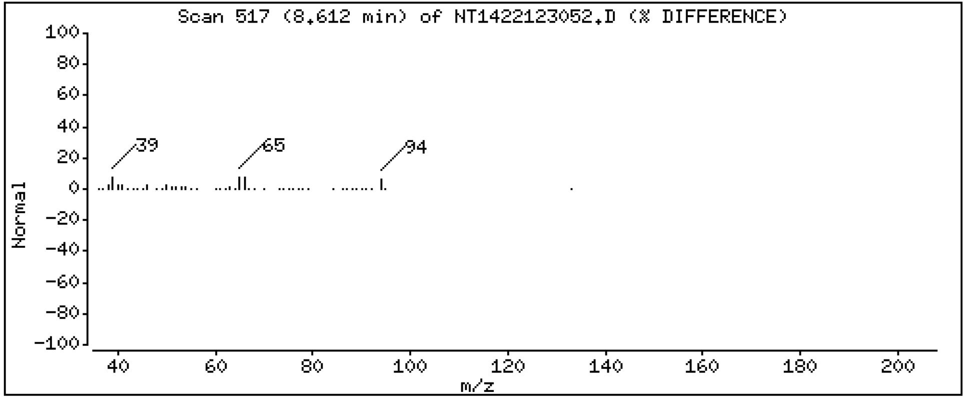
Column phase: ZB-5msi Column diameter: 0.25

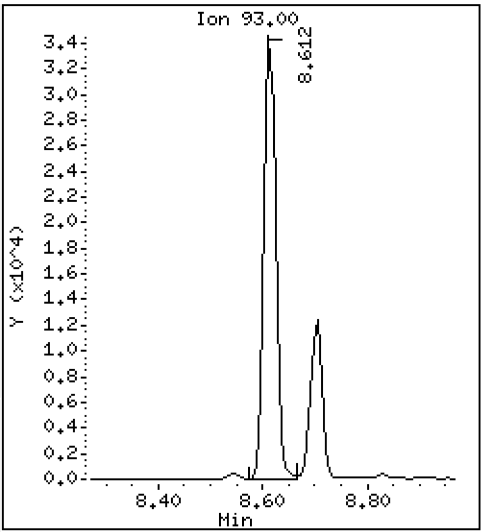
91 Aniline Concentration: 0.9702 ug/mL

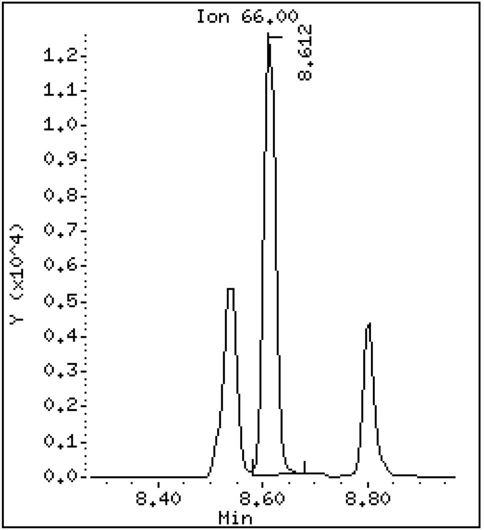


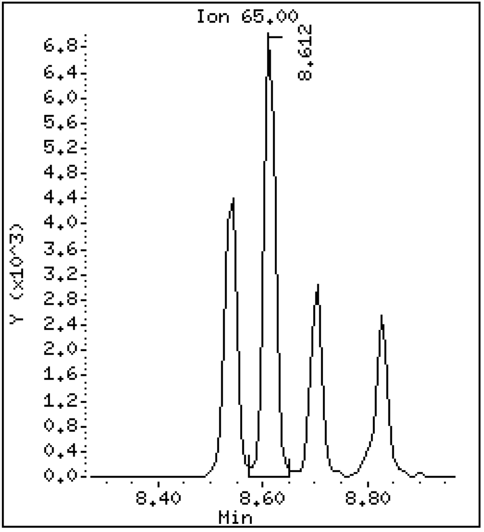












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Date : 31-DEC-2022 15:05

Client ID:

Instrument: nt14.i

Sample Info: SKL0356-LCV2

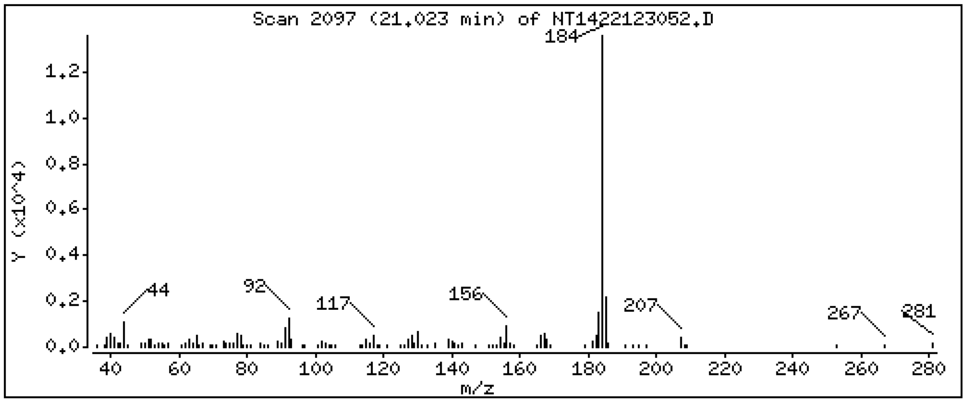
Operator: VTS

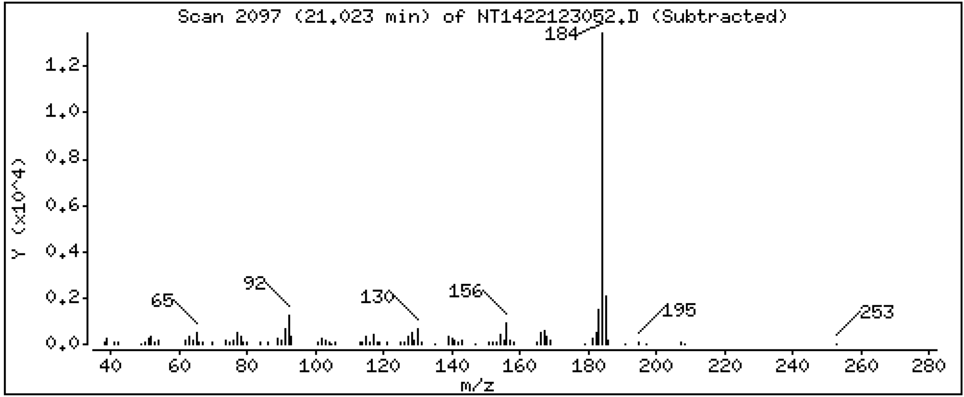
Column phase: ZB-5msi

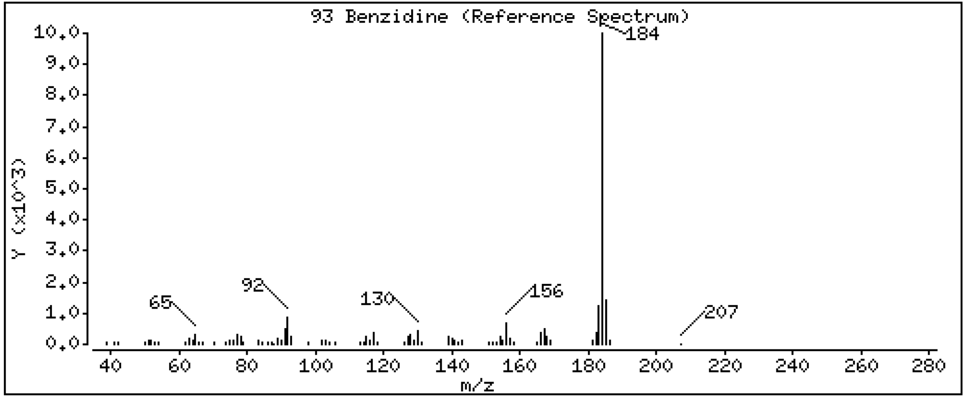
Column diameter: 0.25

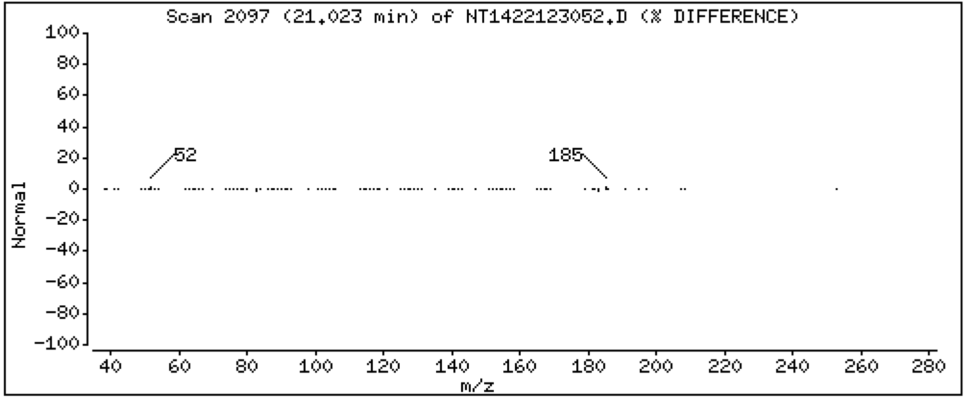
93 Benzidine

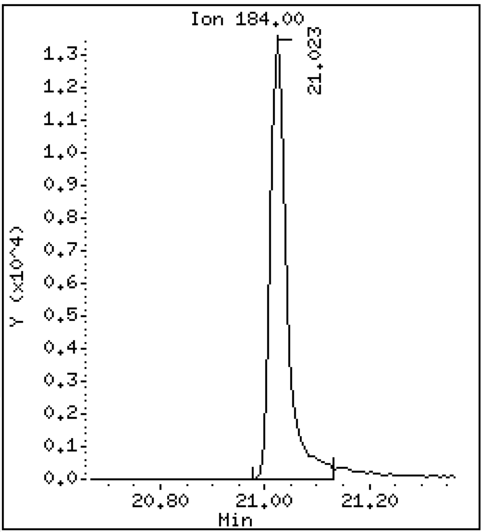
Concentration: 0.8039 ug/mL

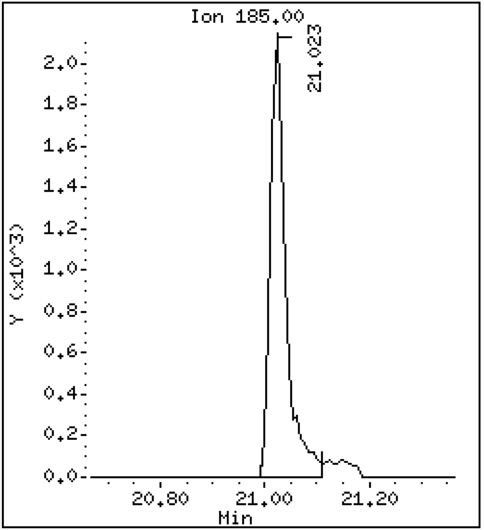

Scan 2097 (21.023 min) of NT1422123052.D

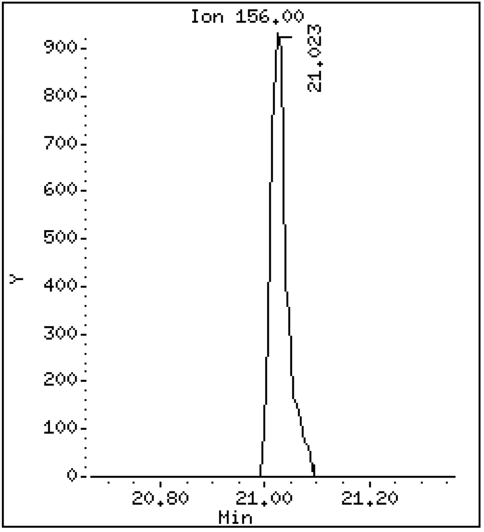

Scan 2097 (21.023 min) of NT1422123052.D (Subtracted)


93 Benzidine (Reference Spectrum)


Scan 2097 (21.023 min) of NT1422123052.D (% DIFFERENCE)


Ion 184.00


Ion 185.00


Ion 156.00

Data File: \\target\share\chem3\nt14.i\20221230B.b\NT1422123052.D

Date : 31-DEC-2022 15:05

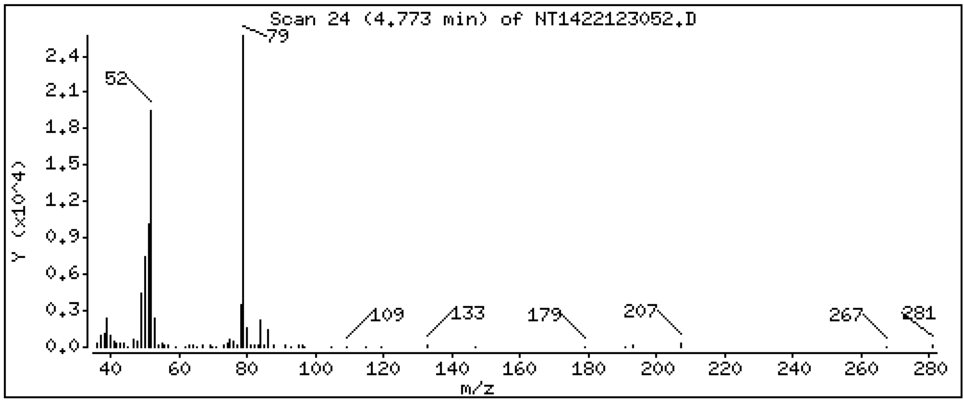
Client ID: Instrument: nt14.i

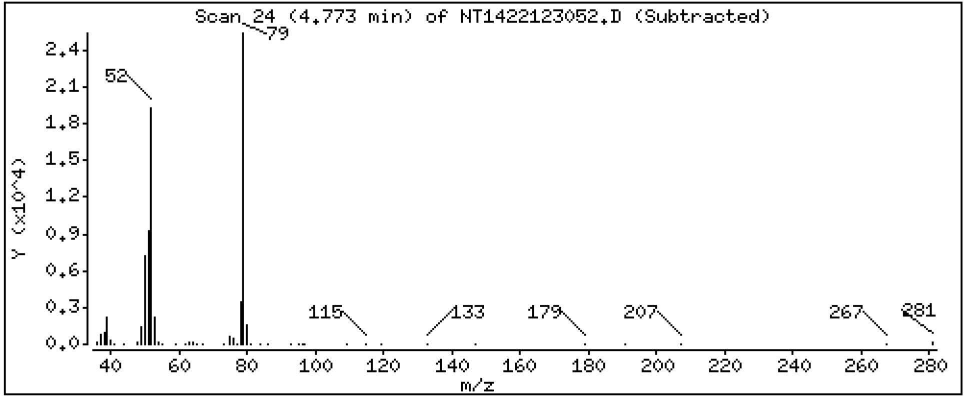
Sample Info: SKL0356-LCV2

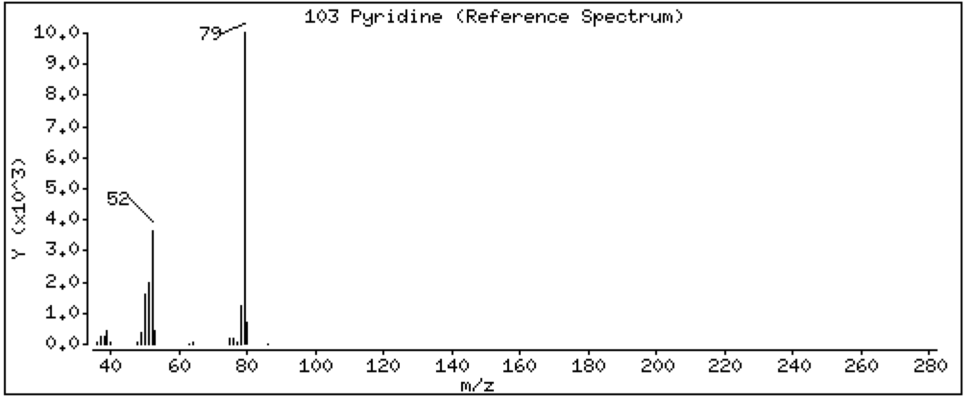
Operator: VTS

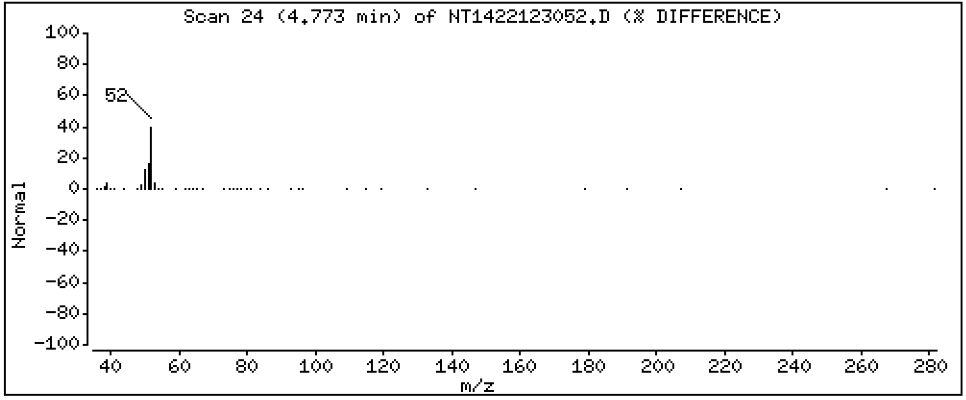
Column phase: ZB-5msi Column diameter: 0.25

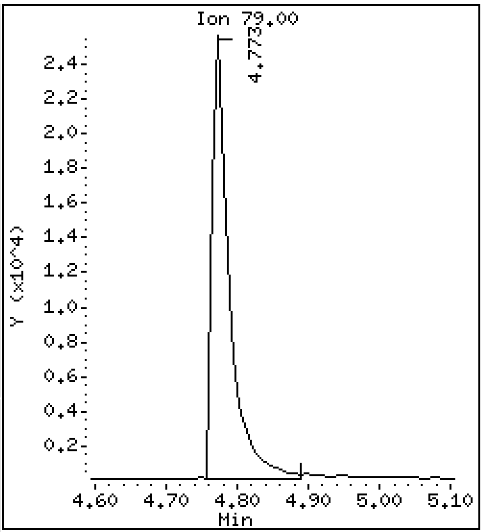
103 Pyridine Concentration: 0.5100 ug/mL

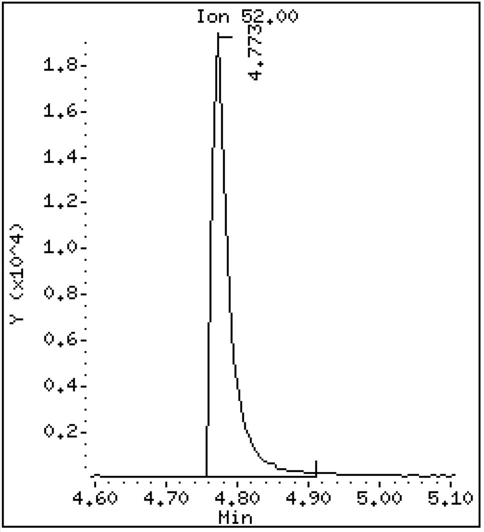

Scan 24 (4.773 min) of NT1422123052.D


Scan 24 (4.773 min) of NT1422123052.D (Subtracted)


103 Pyridine (Reference Spectrum)


Scan 24 (4.773 min) of NT1422123052.D (% DIFFERENCE)


Ion 79.00


Ion 52.00

Data File: \\target\share\chem3\nt14.i\20221230B.b\NT1422123052.D

Date : 31-DEC-2022 15:05

Client ID:

Instrument: nt14.i

Sample Info: SKL0356-LCV2

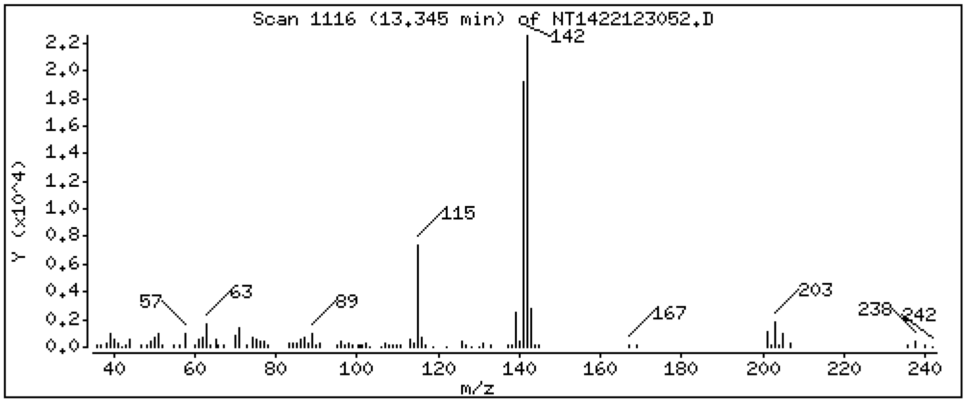
Operator: VTS

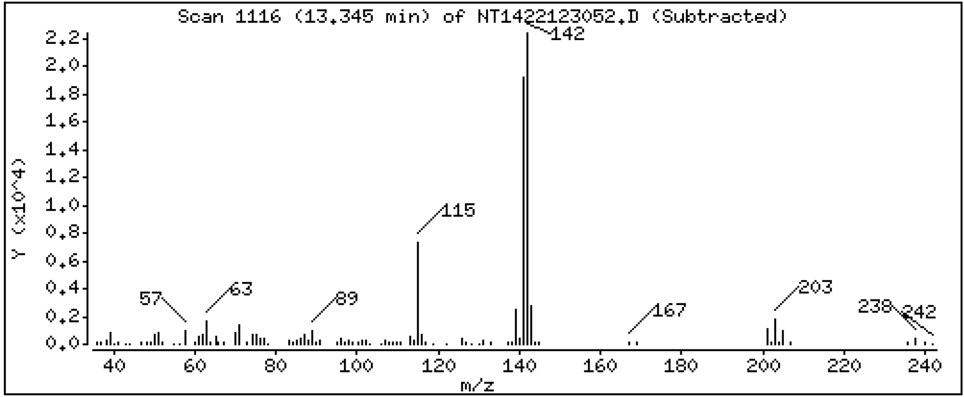
Column phase: ZB-5msi

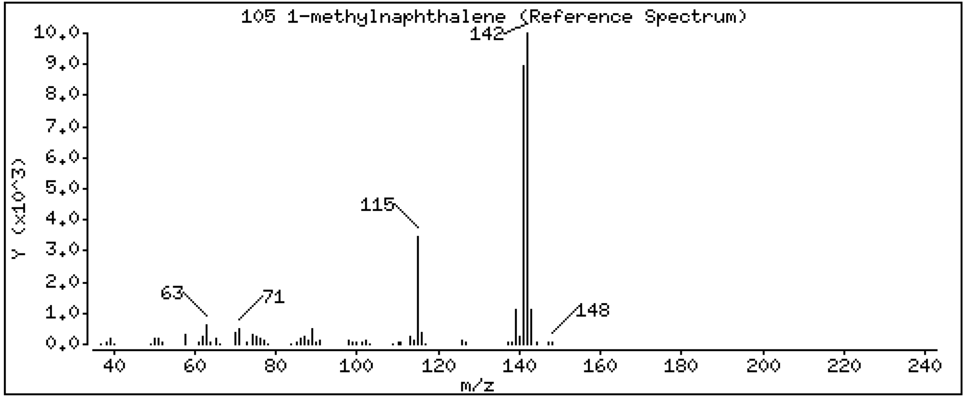
Column diameter: 0.25

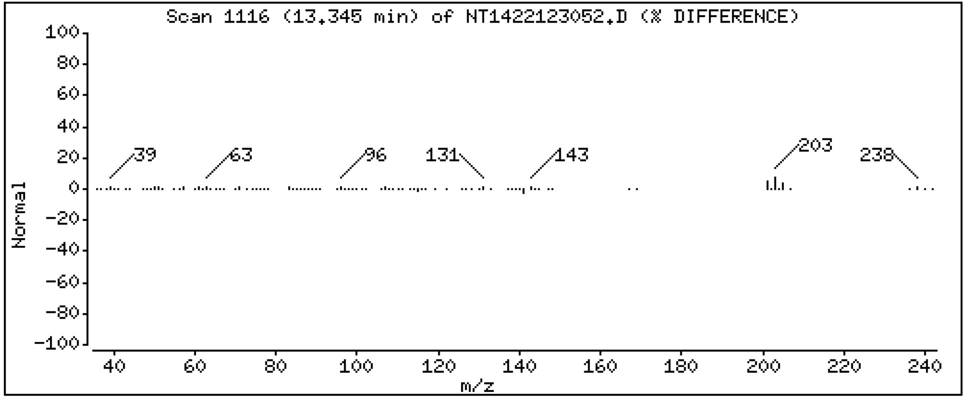
105 1-methylnaphthalene

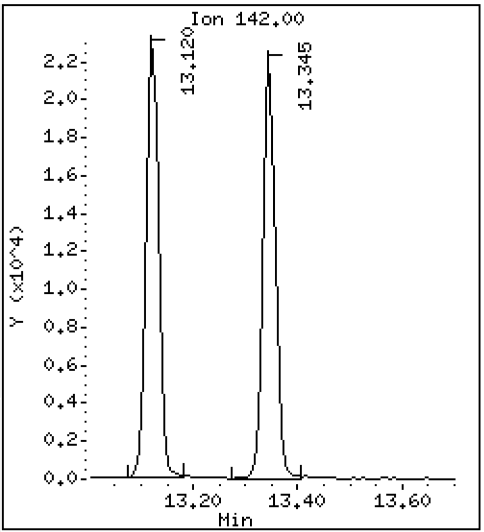
Concentration: 0.4765 ug/mL

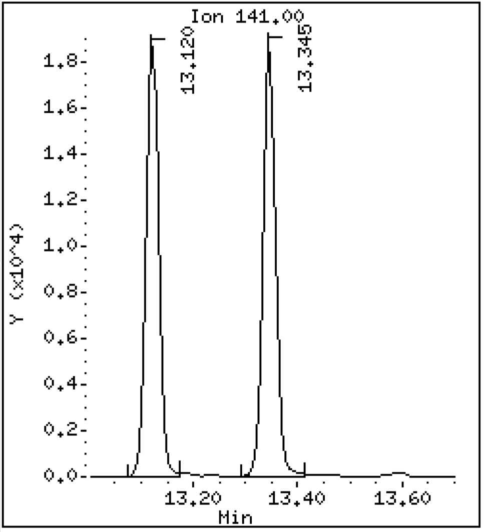

Scan 1116 (13.345 min) of NT1422123052.D


Scan 1116 (13.345 min) of NT1422123052.D (Subtracted)


105 1-methylnaphthalene (Reference Spectrum)


Scan 1116 (13.345 min) of NT1422123052.D (% DIFFERENCE)


Ion 142.00


Ion 141.00

Data File: \\target\share\chem3\nt14.i\20221230B.b\NT1422123052.D

Date : 31-DEC-2022 15:05

Client ID:

Instrument: nt14.i

Sample Info: SKL0356-LCV2

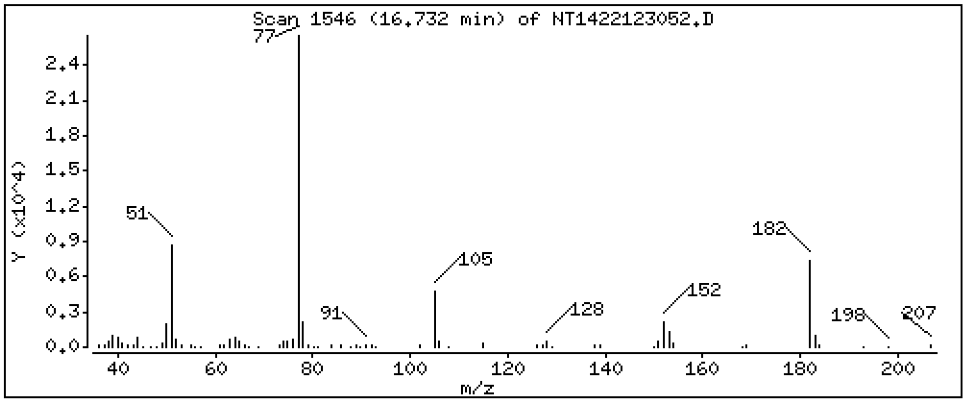
Operator: VTS

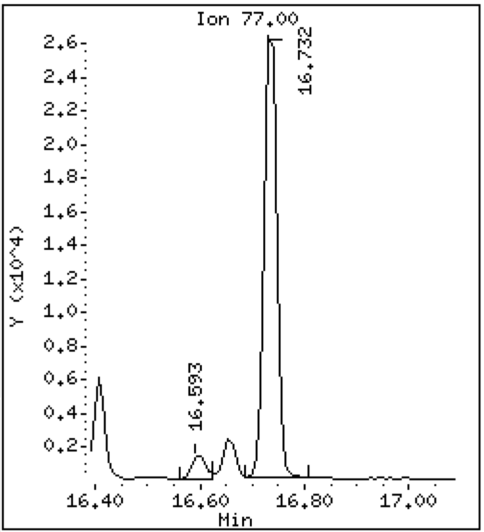
Column phase: ZB-5msi

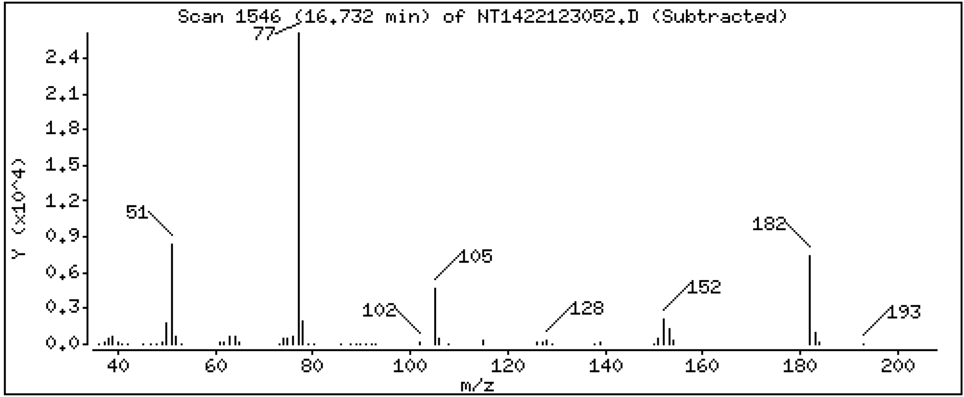
Column diameter: 0.25

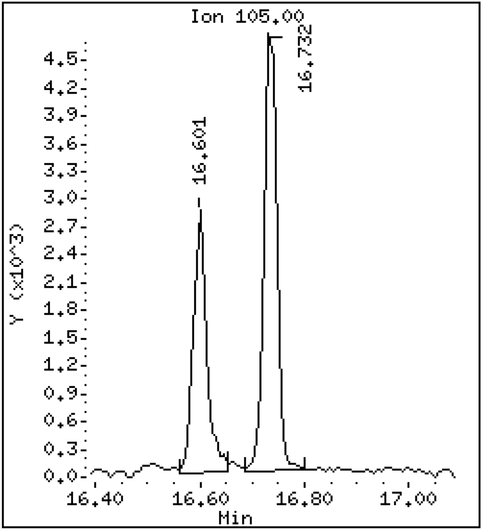
111 Azobenzene (1,2-DP-Hydrazine)

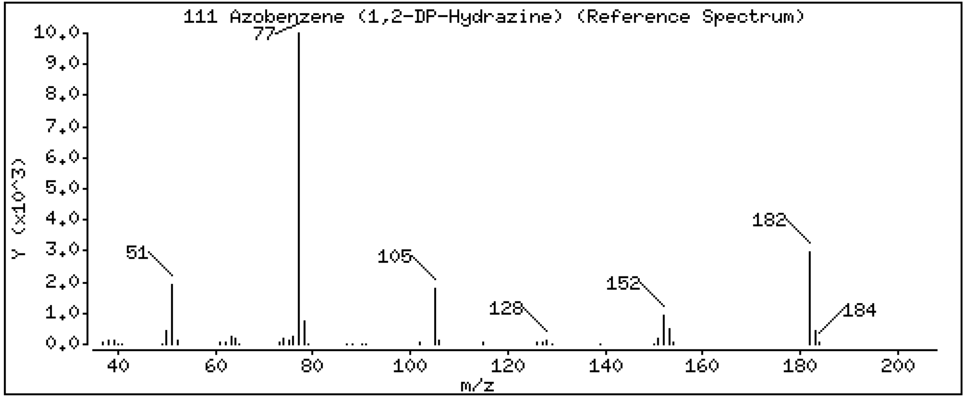
Concentration: 0.5124 ug/mL

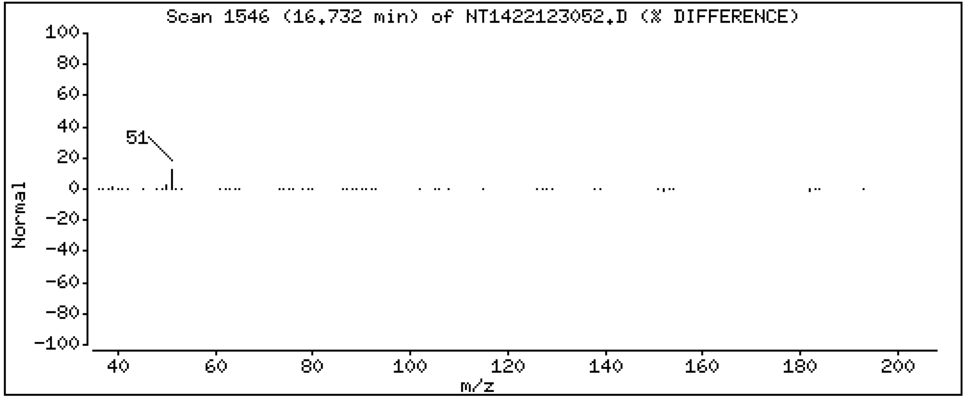

Scan 1546 (16.732 min) of NT1422123052.D

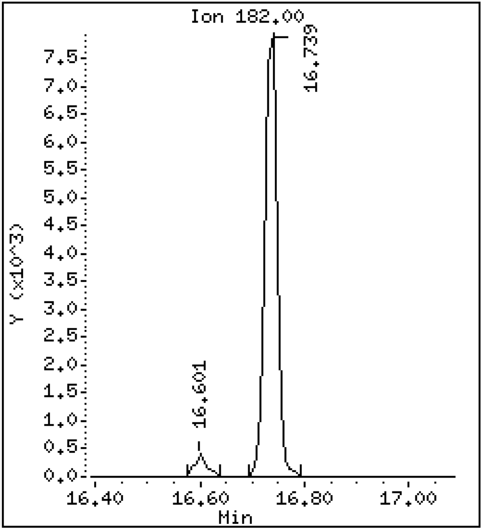

Ion 77.00


Scan 1546 (16.732 min) of NT1422123052.D (Subtracted)


Ion 105.00


111 Azobenzene (1,2-DP-Hydrazine) (Reference Spectrum)


Scan 1546 (16.732 min) of NT1422123052.D (% DIFFERENCE)


Ion 182.00

Data File: \\target\share\chem3\nt14.i\20221230B.b\NT1422123052.D

Date : 31-DEC-2022 15:05

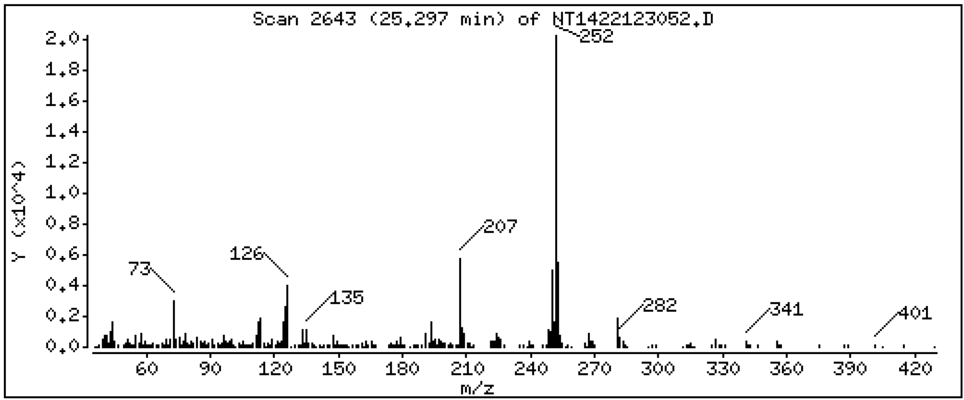
Client ID: Instrument: nt14.i

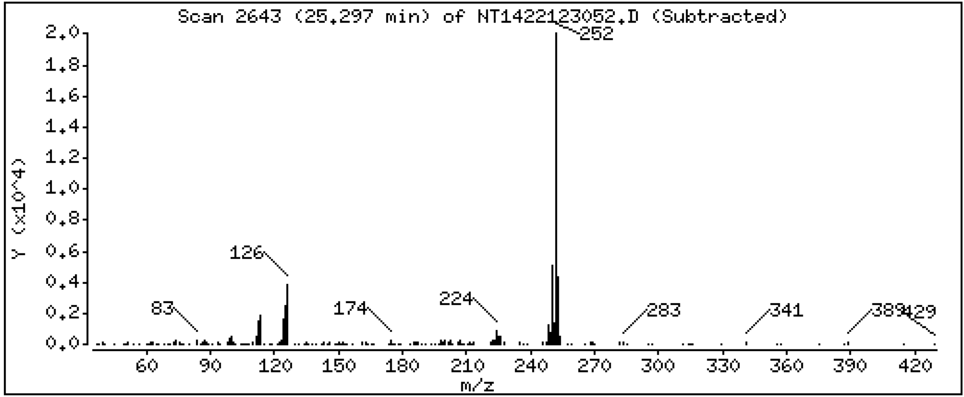
Sample Info: SKL0356-LCV2

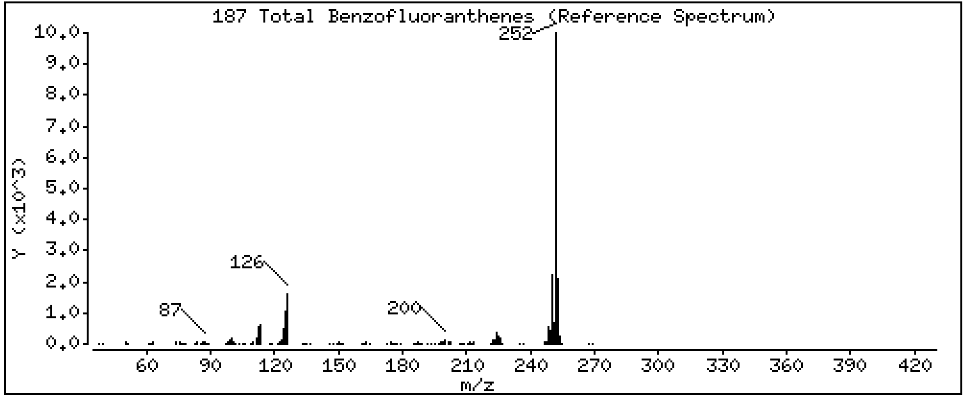
Operator: VTS

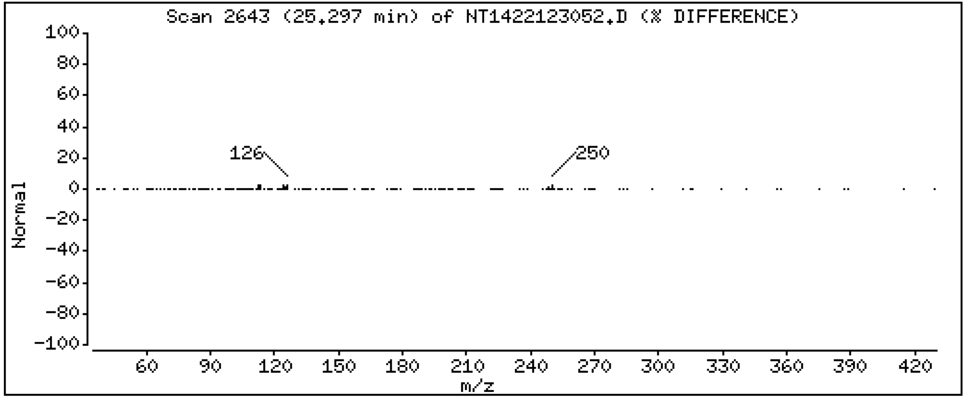
Column phase: ZB-5msi Column diameter: 0.25

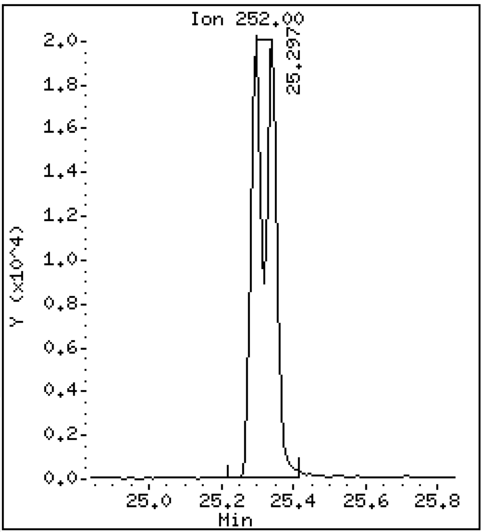
187 Total Benzofluoranthenes Concentration: 1.022 ug/mL

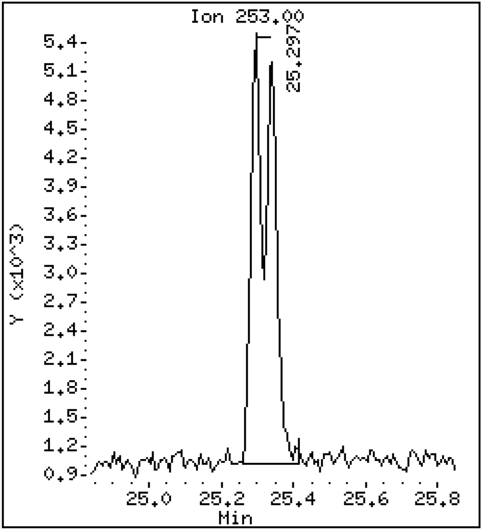


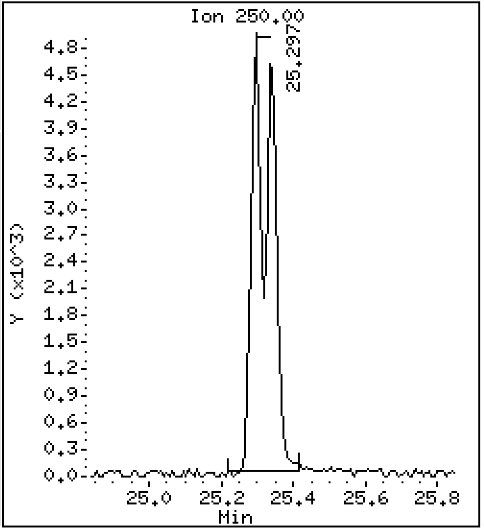












Data File: \\target\share\chem3\nt14.i\20221230B.b\NT1422123052.D

Date : 31-DEC-2022 15:05

Client ID:

Instrument: nt14.i

Sample Info: SKL0356-LCV2

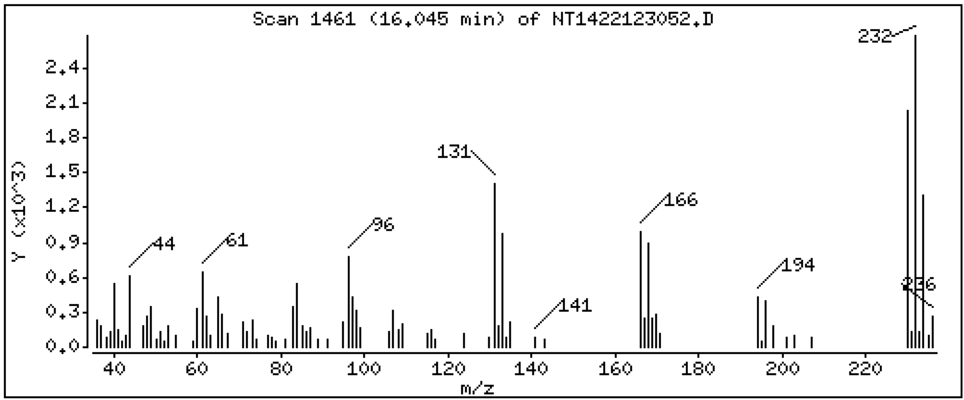
Operator: VTS

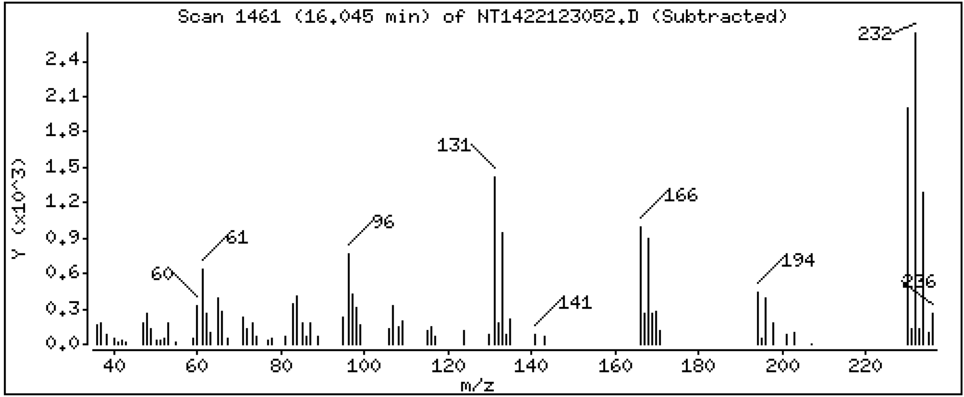
Column phase: ZB-5msi

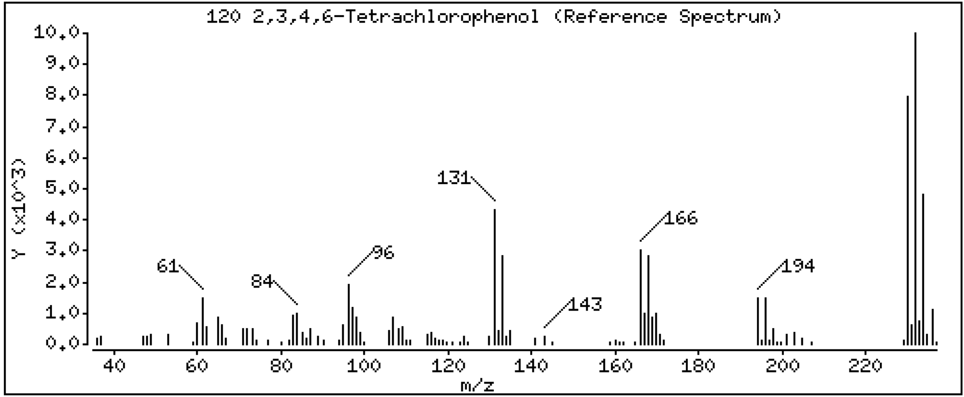
Column diameter: 0.25

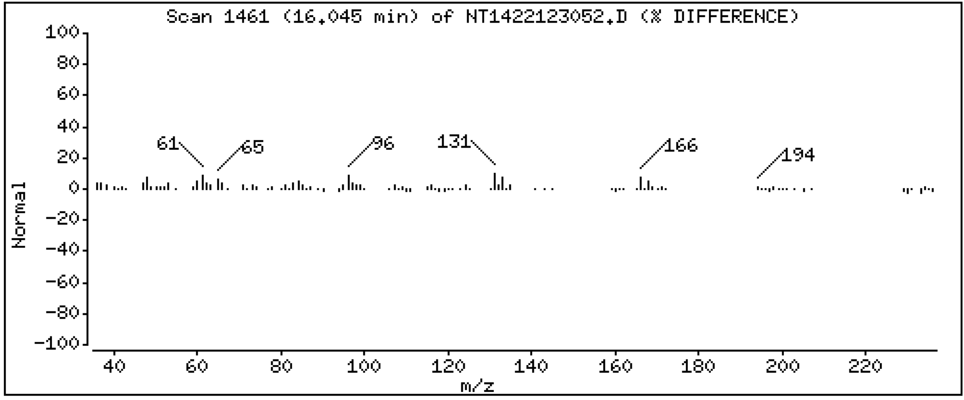
120 2,3,4,6-Tetrachlorophenol

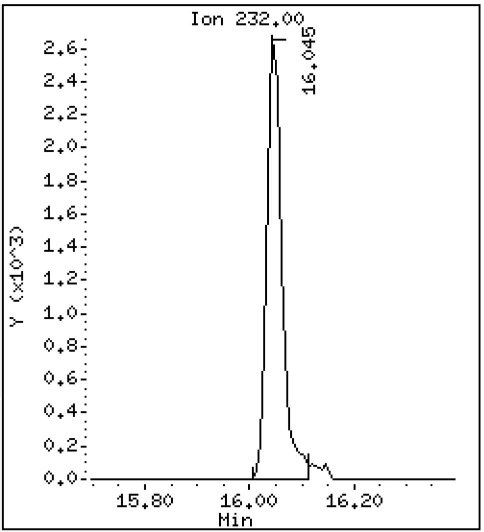
Concentration: 0.3296 ug/mL

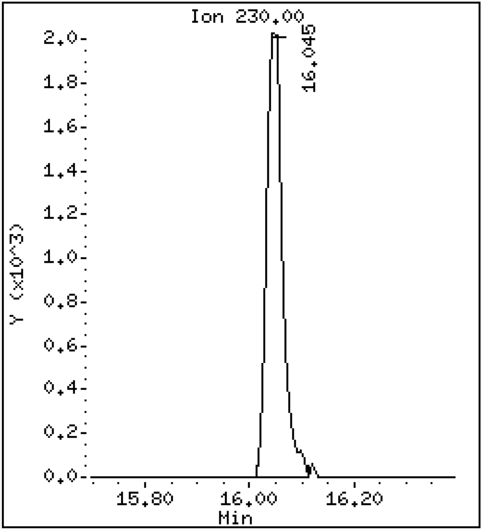

Scan 1461 (16.045 min) of NT1422123052.D

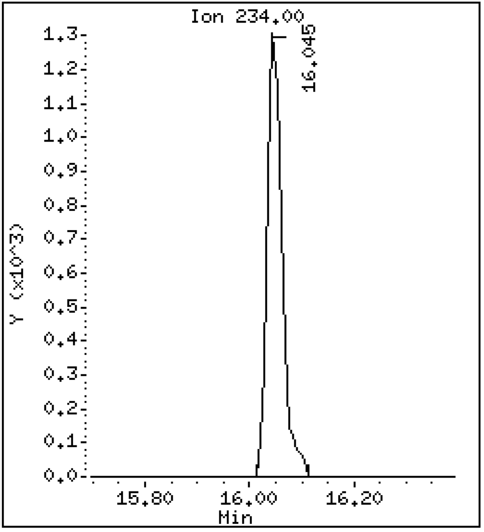

Scan 1461 (16.045 min) of NT1422123052.D (Subtracted)


120 2,3,4,6-Tetrachlorophenol (Reference Spectrum)


Scan 1461 (16.045 min) of NT1422123052.D (% DIFFERENCE)


Ion 232.00


Ion 230.00


Ion 234.00

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                                  ARI Labs, Inc.

                       Semivolatile Report SW846 Method 8270D
Data file : \\target\share\chem3\nt14.i\20221230B.b\NT1422123052.D
Lab Smp Id: SKL0356-LCV2
Inj Date  : 31-DEC-2022 15:05            MS Autotune Date: 17-MAY-2011 01:22
Operator  : VTS                          Inst ID: nt14.i
Smp Info  : SKL0356-LCV2
Misc Info :
Comment   : 1ul Injection
Method    : \\target\share\chem3\nt14.i\20221230B.b\ABN.m
Meth Date : 04-Jan-2023 08:43 van        Quant Type: ISTD
Cal Date  : 30-DEC-2022 11:07            Cal File: NT1422123007.D
Als bottle: 5
Dil Factor: 1.00000
Integrator: HP RTE                       Compound Sublist: ICAL.sub
Target Version:  4.14
Processing Host: VANS-201906


                                                                                          CONCENTRATIONS
                                           QUANT SIG                                    ON-COLUMN    FINAL
Compounds                                    MASS         RT    EXP RT   REL RT  RESPONSE    (ug/mL)    (ug/mL)
==========================                   ====       ==== ======== ======== ========    =======    =======
$    1 2-Fluorophenol                         112      6.919    6.927 (0.755)      27373    0.71127     0.7113
$    2 Phenol-d5                               99      8.519    8.519 (0.929)      31285    0.65780     0.6578
     3 Phenol                                  94      8.542    8.542 (0.932)      26016    0.48140     0.4814
$    5 2-Chlorophenol-d4                      132      8.804    8.804 (0.960)      27396    0.68588     0.6859
     4 Bis(2-Chloroethyl)ether                 93      8.704    8.704 (0.949)      18062    0.48518     0.4852
     6 2-Chlorophenol                         128      8.828    8.835 (0.963)      22183    0.50569     0.5057
     7 1,3-Dichlorobenzene                    146      9.106    9.106 (0.993)      23016    0.49479     0.4948
*    8 1,4-Dichlorobenzene-d4                 152      9.168    9.168 (1.000)     120125    4.00000
     9 1,4-Dichlorobenzene                    146      9.199    9.199 (1.003)      21701    0.49244     0.4924
$   10 1,2-Dichlorobenzene-d4                 152      9.533    9.533 (1.040)      12849    0.47066     0.4707
    12 1,2-Dichlorobenzene                    146      9.556    9.564 (1.042)      20928    0.48424     0.4842
    11 Benzyl alcohol                         108      9.440    9.440 (1.030)       9113    0.37879     0.3788
    14 2,2'-oxybis(1-Chloropropane)           121      9.742    9.743 (1.063)       5781    0.46137     0.4614(M)
    13 2-Methylphenol                         108      9.665    9.665 (1.054)      18978    0.48328     0.4833
    17 Hexachloroethane                       117     10.162   10.162 (1.108)       6042    0.37278     0.3728
    16 N-Nitroso-di-n-propylamine              70      9.999    9.999 (1.091)      11134    0.46544     0.4654
    15 4-Methylphenol                         108      9.936    9.937 (1.084)      19666    0.47473     0.4747
$   18 Nitrobenzene-d5                         82     10.262   10.270 (0.879)      16741    0.45978     0.4598
    19 Nitrobenzene                            77     10.301   10.301 (0.882)      16782    0.46409     0.4641
    20 Isophorone                              82     10.751   10.759 (0.921)      19898    0.43175     0.4317
    21 2-Nitrophenol                          139     10.938   10.938 (0.937)      10095    0.45609     0.4561
    22 2,4-Dimethylphenol                     107     10.992   10.992 (0.942)      37295    0.98819     0.9882
    23 Bis(2-Chloroethoxy)methane              93     11.186   11.186 (0.958)      17353    0.48401     0.4840
    24 Benzoic acid                           105     11.093   11.201 (0.950)       7598    0.33063     0.3306
    25 2,4-Dichlorophenol                     162     11.403   11.403 (0.977)      31564    0.99218     0.9922
    26 1,2,4-Trichlorobenzene                 180     11.588   11.589 (0.993)      16567    0.48162     0.4816
*   27 Naphthalene-d8                         136     11.673   11.681 (1.000)     431181    4.00000
    28 Naphthalene                            128     11.712   11.720 (1.003)      51400    0.48439     0.4844
    29 4-Chloroaniline                        127     11.843   11.843 (1.015)      38062    0.86979     0.8698
    30 Hexachlorobutadiene                    225     12.083   12.083 (1.035)       8038    0.47097     0.4710
    31 4-Chloro-3-methylphenol                107     12.810   12.810 (1.097)      28593    0.95242     0.9524
    32 2-Methylnaphthalene                    142     13.120   13.128 (1.124)      36399    0.46764     0.4676
    33 Hexachlorocyclopentadiene              237     13.592   13.592 (0.888)       1798    0.10740     0.1074
```

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Data File: \\target\share\chem3\nt14.i\20221230B.b\NT1422123052.D Page 2
Report Date: 04-Jan-2023 12:20


                                                                                    CONCENTRATIONS
                                      QUANT SIG                                   ON-COLUMN    FINAL
Compounds                               MASS         RT    EXP RT   REL RT  RESPONSE   (ug/mL)    (ug/mL)
==========================              ====       ==== ======== ======== ========    =======    =======
   34 2,4,6-Trichlorophenol              196      13.747  13.747 (0.898)     16457    0.89033     0.8903
   35 2,4,5-Trichlorophenol              196      13.824  13.824 (0.903)     19186    0.89935     0.8994
$  36 2-Fluorobiphenyl                   172      13.909  13.909 (0.909)     35317    0.47432     0.4743
   37 2-Chloronaphthalene                162      14.118  14.126 (0.922)     30923    0.48818     0.4882
   38 2-Nitroaniline                      65      14.373  14.373 (0.939)     15325    0.92024     0.9202
   39 Dimethylphthalate                  163      14.807  14.807 (0.967)     29080    0.46562     0.4656
   40 Acenaphthylene                     152      14.993  15.000 (0.979)     51393    0.53211     0.5321
   41 2,6-Dinitrotoluene                 165      14.938  14.946 (0.976)     12001    0.85147     0.8515
*  42 Acenaphthene-d10                   164      15.310  15.318 (1.000)    221457    4.00000
   43 3-Nitroaniline                     138      15.232  15.233 (0.995)     13712    0.80043     0.8004
   44 Acenaphthene                       153      15.379  15.379 (1.005)     29746    0.49655     0.4966
   45 2,4-Dinitrophenol                  184      15.449  15.441 (1.009)      1736    0.14499     0.1450(M)
   46 Dibenzofuran                       168      15.704  15.712 (1.026)     44263    0.49272     0.4927
   47 4-Nitrophenol                      109      15.596  15.549 (1.019)      5313    0.64751     0.6475(M)
   48 2,4-Dinitrotoluene                 165      15.758  15.758 (1.029)     15060    0.77878     0.7788
   50 Diethylphthalate                   149      16.268  16.268 (1.063)     45617    0.53738     0.5374
   49 Fluorene                           166      16.423  16.423 (1.073)     46218    0.48362     0.4836
   51 4-Chlorophenyl-phenylether         204      16.407  16.415 (1.072)     21450    0.45846     0.4585
   52 4-Nitroaniline                     138      16.508  16.508 (1.078)     16356    0.79260     0.7926
   53 4,6-Dinitro-2-methylphenol         198      16.600  16.608 (0.904)     11325    0.75665     0.7566
   54 N-Nitrosodiphenylamine             169      16.654  16.662 (0.907)     31251    0.51126     0.5113
$  55 2,4,6-Tribromophenol               330      16.963  16.963 (1.108)      5569    0.53587     0.5359
   56 4-Bromophenyl-phenylether          248      17.418  17.418 (0.949)     11348    0.49028     0.4903
   57 Hexachlorobenzene                  284      17.742  17.742 (0.966)     12447    0.49003     0.4900
   58 Pentachlorophenol                  266      18.098  18.098 (0.986)      2476    0.22496     0.2250(M)
*  59 Phenanthrene-d10                   188      18.361  18.369 (1.000)    356219    4.00000
   60 Phenanthrene                       178      18.408  18.415 (1.003)     45378    0.48858     0.4886
   61 Anthracene                         178      18.500  18.508 (1.008)     41525    0.46834     0.4683
   62 Carbazole                          167      18.833  18.833 (1.026)     39496    0.46078     0.4608
   63 Di-n-butylphthalate                149      19.622  19.622 (1.069)     41551    0.42863     0.4286
   64 Fluoranthene                       202      20.791  20.798 (0.888)     44087    0.46433     0.4643
   65 Pyrene                             202      21.216  21.224 (0.906)     46707    0.46787     0.4679
$  66 Terphenyl-d14                      244      21.495  21.495 (0.918)     32135    0.45398     0.4540
   67 Butylbenzylphthalate               149      22.416  22.416 (0.958)     16717    0.44361     0.4436
   68 Benzo(a)anthracene                 228      23.376  23.376 (0.999)     43313    0.48487     0.4849
*  69 Chrysene-d12                       240      23.407  23.407 (1.000)    294883    4.00000
   70 3,3'-Dichlorobenzidine             252      23.322  23.330 (0.996)     40436    1.47869      1.479
   71 Chrysene                           228      23.446  23.454 (1.002)     41334    0.48986     0.4899
   72 bis(2-Ethylhexyl)phthalate         149      23.430  23.438 (0.959)     22969    0.47045     0.4704
* 134 Di-n-octylphthalate-d4             153      24.429  24.429 (1.000)    439623    4.00000
   73 Di-n-octylphthalate                149      24.437  24.437 (1.000)     51489    0.48792     0.4879
   74 Benzo(b)fluoranthene               252      25.296  25.304 (0.969)     40786    0.50793     0.5079
   75 Benzo(k)fluoranthene               252      25.343  25.343 (0.971)     42127    0.51546     0.5155
   76 Benzo(a)pyrene                     252      25.970  25.978 (0.995)     33479    0.50154     0.5015
*  77 Perylene-d12                       264      26.094  26.094 (1.000)    255506    4.00000
   78 Indeno(1,2,3-cd)pyrene             276      28.853  28.854 (1.106)     24548    0.32350     0.3235
   79 Dibenzo(a,h)anthracene             278      28.869  28.861 (1.106)     21258    0.32967     0.3297
   80 Benzo(g,h,i)perylene               276      29.669  29.669 (1.137)     17003    0.26748     0.2675
   90 N-Nitrosodimethylamine              74       4.726   4.726 (0.516)     26563    1.00220      1.002
   91 Aniline                             93       8.611   8.619 (0.939)     51051    0.97019     0.9702
   93 Benzidine                          184      21.023  21.015 (0.898)     29087    0.80389     0.8039
  103 Pyridine                            79       4.772   4.757 (0.521)     42950    0.50997     0.5100
  105 1-methylnaphthalene                142      13.344  13.352 (1.143)     35633    0.47646     0.4765
  111 Azobenzene (1,2-DP-Hydrazine)       77      16.731  16.739 (1.093)     42141    0.51242     0.5124
```

```
                                                                                               CONCENTRATIONS
                                     QUANT SIG                                               ON-COLUMN    FINAL
Compounds                              MASS          RT    EXP RT   REL RT  RESPONSE     (ug/mL)    (ug/mL)
==========================             ====        ==== ======== ======== ========     =======    =======
  187 Total Benzofluoranthenes          252       25.296  25.343 (0.969)     79350     1.02214      1.022
  120 2,3,4,6-Tetrachlorophenol         232       16.044  16.044 (1.048)      5147     0.32962     0.3296
```

QC Flag Legend

M - Compound response manually integrated.

```
Data File: \\target\share\chem3\nt14.i\20221230B.b\NT1422123052.D Page 1
Report Date: 04-Jan-2023 12:20

                                  ARI Labs, Inc.

                           INTERNAL STANDARD COMPOUNDS
                               AREA AND RT SUMMARY

Instrument ID: nt14.i                          Calibration Date: 31-DEC-2022
Lab File ID: NT1422123052.D                    Calibration Time: 13:17
Lab Smp Id: SKL0356-LCV2
Analysis Type: SV                                    Level:
Quant Type: ISTD                               Sample Type:
Operator: VTS
Method File: \\target\share\chem3\nt14.i\20221230B.b\ABN.m
Misc Info:

Test Mode:
           Use Last Continuing Calibrator.

 |_____________________|__________|______AREA LIMIT_____|__________|_______|
 | COMPOUND            | STANDARD |  LOWER   |  UPPER   |  SAMPLE  | %DIFF |
 |=====================|==========|==========|==========|==========|=======|
 |  8 1,4-Dichlorobenze|    134439|     67220|    268878|    120125| -10.65|
 | 27 Naphthalene-d8   |    492388|    246194|    984776|    431181| -12.43|
 | 42 Acenaphthene-d10 |    270679|    135340|    541358|    221457| -18.18|
 | 59 Phenanthrene-d10 |    429616|    214808|    859232|    356219| -17.08|
 | 69 Chrysene-d12     |    376030|    188015|    752060|    294883| -21.58|
 |134 Di-n-octylphthala|    634628|    317314|   1269256|    439623| -30.73|
 | 77 Perylene-d12     |    336225|    168113|    672450|    255506| -24.01|
 |_____________________|__________|__________|__________|__________|_______|


 |_____________________|__________|_______RT LIMIT______|__________|_______|
 | COMPOUND            | STANDARD |  LOWER   |  UPPER   |  SAMPLE  | %DIFF |
 |=====================|==========|==========|==========|==========|=======|
 |  8 1,4-Dichlorobenze|      9.17|      8.67|      9.67|      9.17|  -0.00|
 | 27 Naphthalene-d8   |     11.68|     11.18|     12.18|     11.67|  -0.07|
 | 42 Acenaphthene-d10 |     15.32|     14.82|     15.82|     15.31|  -0.05|
 | 59 Phenanthrene-d10 |     18.37|     17.87|     18.87|     18.36|  -0.04|
 | 69 Chrysene-d12     |     23.41|     22.91|     23.91|     23.41|  -0.00|
 |134 Di-n-octylphthala|     24.43|     23.93|     24.93|     24.43|  -0.00|
 | 77 Perylene-d12     |     26.09|     25.59|     26.59|     26.09|  -0.00|
 |_____________________|__________|__________|__________|__________|_______|

AREA UPPER LIMIT = +100% of internal standard area.
AREA LOWER LIMIT = - 50% of internal standard area.
RT UPPER LIMIT = + 0.50 minutes of internal standard RT.
RT LOWER LIMIT = - 0.50 minutes of internal standard RT.
```

```
REVIEW SUMMARY FOR FILE - NT1422123052.D

Lab ID: SKL0356-LCV2
nt14.i,  20221230B.b\ABN.m,    31-DEC-2022 15:05

     RT      CO-ELUTION COMPOUNDS
---------------------------------------------------------------------------

            NO CO-ELUTIONS


Quant Method: ICAL



        RRT CHECK

   RRT    CCV RRT   DELTA    COMPOUND
 -------------------------------------

  0.950    0.959   -0.0087   Benzoic acid

  RRT check based on Ccal File: NT1422123049.D

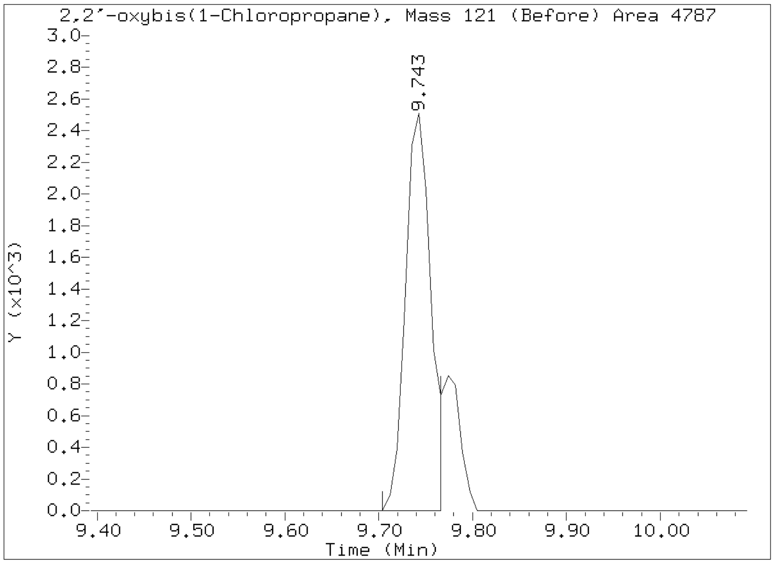

 On Column LOD for nt14.i, 20221230B.b\ABN.m, ICAL.sub = 0.0000

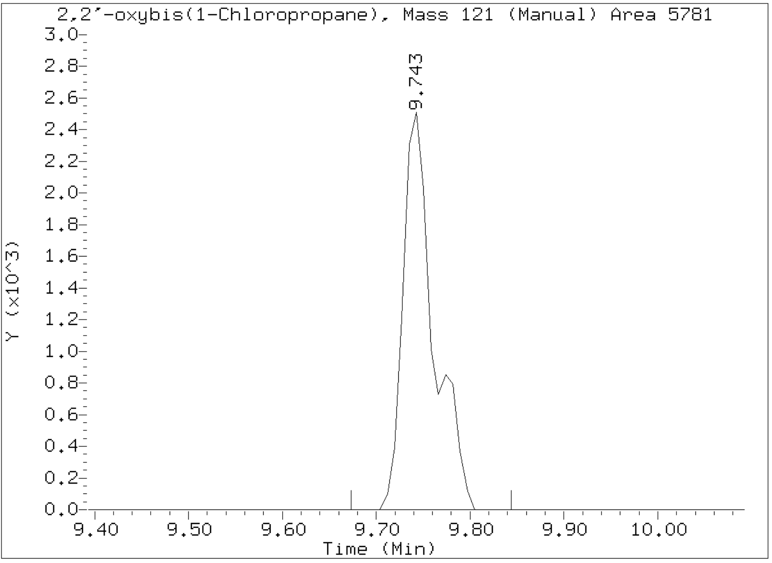

 * Only compounds listed in the work order have been verified by the analyst *
```

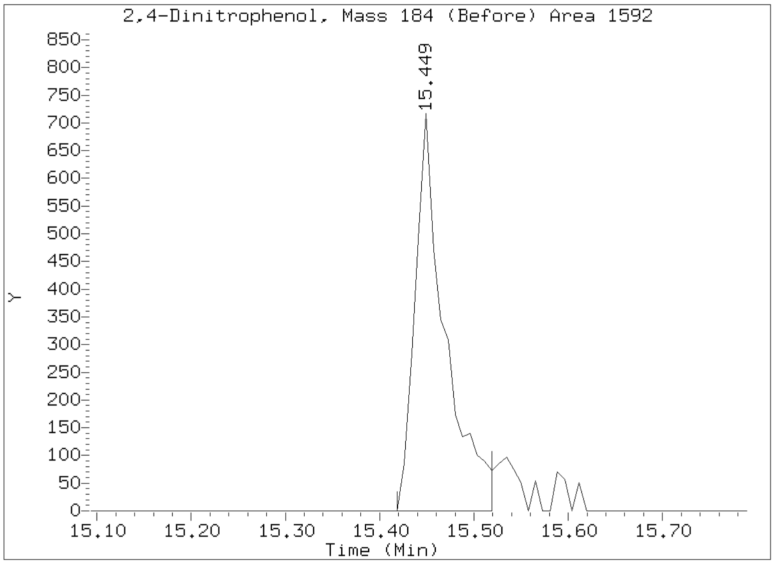
Quant Ion Manual Peak Adjustment Report

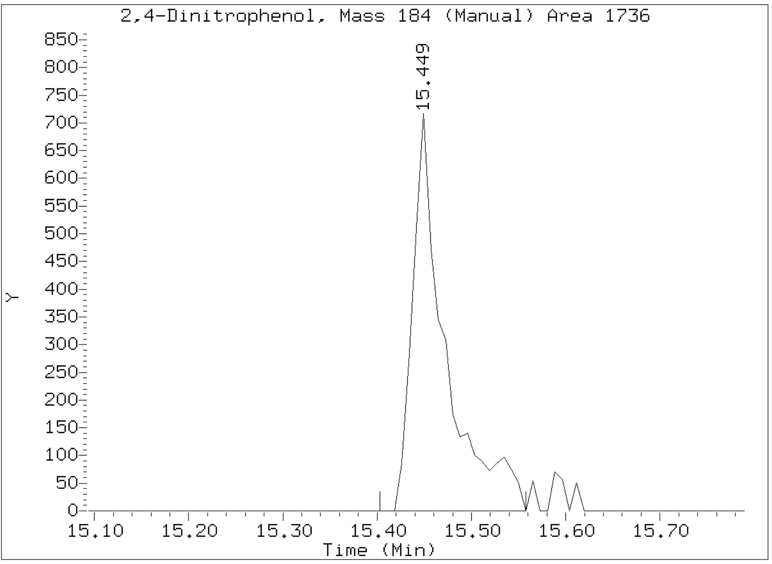
Datafile: //target/share/chem3/nt14.i/20221230B.b/NT1422123052.D
Injection Date: 31-DEC-2022 15:05
Lab ID:SKL0356-LCV2 Client ID:
Report Date: 01/04/2023 12:20

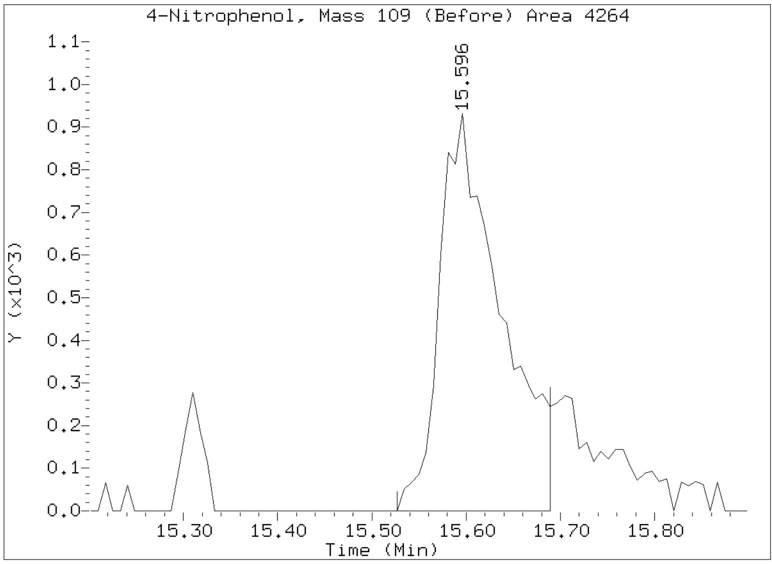
REVIEWED
By Brian Bebee
01/07/2023 @ 06:32 PM

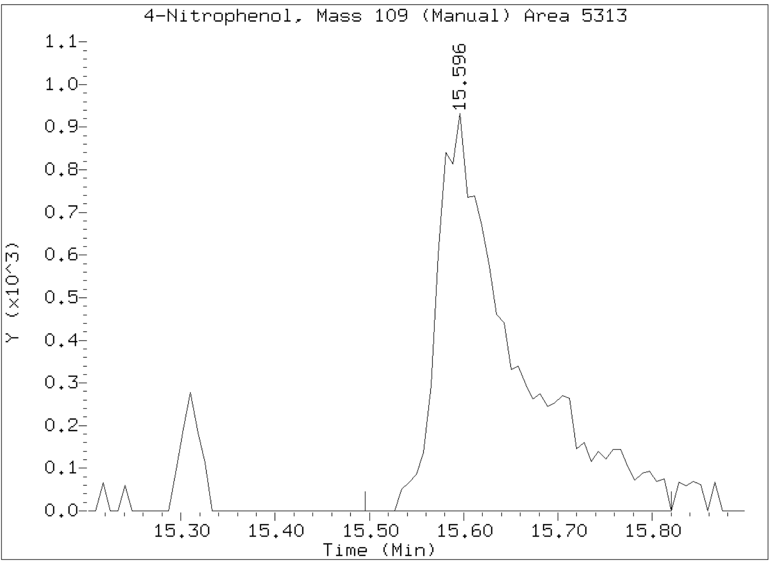

2,2'-oxybis(1-Chloropropane), Mass 121 (Before) Area 4787


2,2'-oxybis(1-Chloropropane), Mass 121 (Manual) Area 5781


2,4-Dinitrophenol, Mass 184 (Before) Area 1592


2,4-Dinitrophenol, Mass 184 (Manual) Area 1736

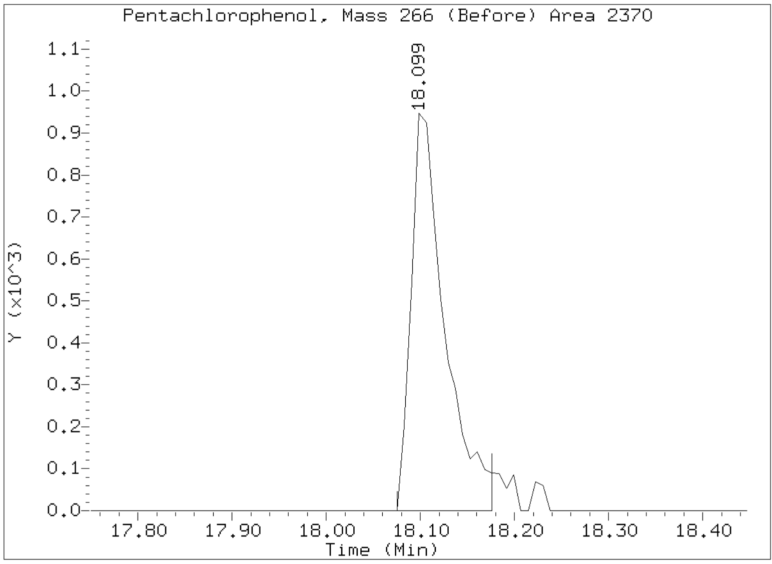

4-Nitrophenol, Mass 109 (Before) Area 4264

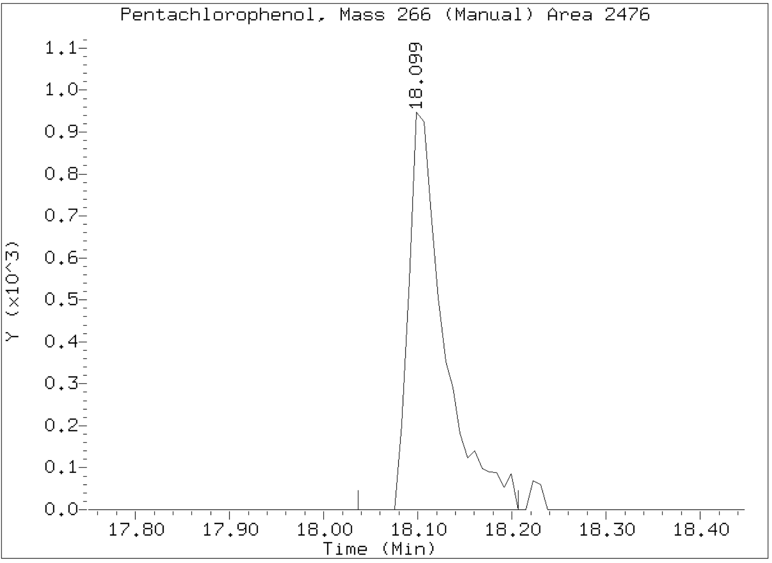

4-Nitrophenol, Mass 109 (Manual) Area 5313

Quant Ion Manual Peak Adjustment Report

Datafile: //target/share/chem3/nt14.i/20221230B.b/NT1422123052.D
Injection Date: 31-DEC-2022 15:05
Lab ID:SKL0356-LCV2 Client ID:
Report Date: 01/04/2023 12:20

REVIEWED
By Brian Bebee
01/07/2023 @ 06:32 PM


Pentachlorophenol, Mass 266 (Before) Area 2370


Pentachlorophenol, Mass 266 (Manual) Area 2476

Analytical Resources, LLC
Analytical Chemists and Consultants

LOW-CONCENTRATION CALIBRATION VERIFICATION

EPA 8270E

Laboratory:	Analytical Resources, LLC	**SDG:**	22L0307
Client:	Anchor QEA, LLC	**Project:**	AOC4 UR Phase 3
Calibration:	FL00066	**Laboratory ID:**	SKL0355-LCV3
Sequence:	SKL0355	**Standard ID:**	K011105

ANALYTE	EXPECTED (ug/mL)	FOUND (ug/mL)	% DRIFT	QC LIMIT
Phenol	0.20000	0.2	13.7	50.00
bis(2-chloroethyl) ether	0.20000	0.2	19.6	50.00
2-Chlorophenol	0.20000	0.2	23.1	50.00
1,3-Dichlorobenzene	0.20000	0.2	23.5	50.00
1,4-Dichlorobenzene	0.20000	0.3	25.1	50.00
1,2-Dichlorobenzene	0.20000	0.2	21.0	50.00
Benzyl Alcohol	0.20000	0.2	-17.4	50.00
2,2'-Oxybis(1-chloropropane)	0.20000	0.2	21.5	50.00
2-Methylphenol	0.20000	0.2	10.4	50.00
Hexachloroethane	0.20000	0.2	-1.0	50.00
N-Nitroso-di-n-Propylamine	0.20000	0.2	17.6	50.00
4-Methylphenol	0.20000	0.2	4.0	50.00
Nitrobenzene	0.20000	0.2	11.5	50.00
Isophorone	0.20000	0.2	-1.4	50.00
2-Nitrophenol	0.20000	0.2	5.8	50.00
2,4-Dimethylphenol	0.40000	0.5	14.7	50.00
Bis(2-Chloroethoxy)methane	0.20000	0.2	18.0	50.00
2,4-Dichlorophenol	0.40000	0.4	2.5	50.00
1,2,4-Trichlorobenzene	0.20000	0.2	20.1	50.00
Naphthalene	0.20000	0.2	17.7	50.00
Benzoic acid	0.80000	0.2	-73.8	50.00
4-Chloroaniline	0.40000	0.4	1.3	50.00
Hexachlorobutadiene	0.20000	0.2	19.0	50.00
4-Chloro-3-Methylphenol	0.40000	0.4	8.2	50.00
2-Methylnaphthalene	0.20000	0.2	13.5	50.00
Hexachlorocyclopentadiene	0.40000	0.04	-89.9	50.00
2,4,6-Trichlorophenol	0.40000	0.3	-13.9	50.00
2,4,5-Trichlorophenol	0.40000	0.4	-9.9	50.00
2-Chloronaphthalene	0.20000	0.2	17.3	50.00

LOW-CONCENTRATION
CALIBRATION VERIFICATION
EPA 8270E

Laboratory:	Analytical Resources, LLC	**SDG:**	22L0307
Client:	Anchor QEA, LLC	**Project:**	AOC4 UR Phase 3
Calibration:	FL00066	**Laboratory ID:**	SKL0355-LCV3
Sequence:	SKL0355	**Standard ID:**	K011105

2-Nitroaniline	0.40000	0.4	7.4	50.00
Acenaphthylene	0.20000	0.2	14.6	50.00
Dimethylphthalate	0.20000	0.2	6.9	50.00
2,6-Dinitrotoluene	0.40000	0.4	-4.5	50.00
Acenaphthene	0.20000	0.2	17.9	50.00
3-Nitroaniline	0.40000	0.4	-10.9	50.00
2,4-Dinitrophenol	0.80000	0.0		50.00
Dibenzofuran	0.20000	0.2	20.3	50.00
4-Nitrophenol	0.40000	0.3	-33.0	50.00
2,4-Dinitrotoluene	0.40000	0.3	-15.3	50.00
Fluorene	0.20000	0.2	16.7	50.00
4-Chlorophenylphenyl ether	0.20000	0.2	5.7	50.00
Diethyl phthalate	0.20000	0.3	29.8	50.00
4-Nitroaniline	0.40000	0.4	-6.5	50.00
4,6-Dinitro-2-methylphenol	0.80000	0.09	-88.4	50.00
N-Nitrosodiphenylamine	0.20000	0.3	25.4	50.00
4-Bromophenyl phenyl ether	0.20000	0.2	11.6	50.00
Hexachlorobenzene	0.20000	0.2	18.4	50.00
Pentachlorophenol	0.40000	0.02	-94.9	50.00
Phenanthrene	0.20000	0.2	19.8	50.00
Anthracene	0.20000	0.2	16.1	50.00
Carbazole	0.20000	0.2	15.4	50.00
Di-n-Butylphthalate	0.20000	0.2	13.6	50.00
Fluoranthene	0.20000	0.2	19.0	50.00
Pyrene	0.20000	0.2	16.7	50.00
Butylbenzylphthalate	0.20000	0.3	34.9	50.00
Benzo(a)anthracene	0.20000	0.3	32.0	50.00
3,3'-Dichlorobenzidine	0.60000	0.8	36.5	50.00
Chrysene	0.20000	0.2	21.4	50.00
bis(2-Ethylhexyl)phthalate	0.20000	0.3	30.5	50.00
Di-n-Octylphthalate	0.20000	0.2	23.0	50.00

LOW-CONCENTRATION CALIBRATION VERIFICATION

EPA 8270E

Laboratory: Analytical Resources, LLC

Client: Anchor QEA, LLC

Calibration: FL00066

Sequence: SKL0355

SDG: 22L0307

Project: AOC4 UR Phase 3

Laboratory ID: SKL0355-LCV3

Standard ID: K011105

Benzofluoranthenes, Total	0.40000	0.5	31.6	50.00
Benzo(a)pyrene	0.20000	0.3	26.2	50.00
Indeno(1,2,3-cd)pyrene	0.20000	0.1	-25.3	50.00
Dibenzo(a,h)anthracene	0.20000	0.2	-24.6	50.00
Benzo(g,h,i)perylene	0.20000	0.1	-47.1	50.00
1-Methylnaphthalene	0.20000	0.2	13.7	50.00
2-Fluorophenol	0.30000	0.357	18.9	50.00
Phenol-d5	0.30000	0.312	4.0	50.00
2-Chlorophenol-d4	0.30000	0.337	12.3	50.00
1,2-Dichlorobenzene-d4	0.20000	0.240	20.2	50.00
Nitrobenzene-d5	0.20000	0.227	13.3	50.00
2-Fluorobiphenyl	0.20000	0.223	11.4	50.00
2,4,6-Tribromophenol	0.30000	0.225	-25.1	50.00
p-Terphenyl-d14	0.20000	0.222	11.1	50.00

* Values outside of QC limits

Data File: \\target\share\chem3\nt14.i\20221230C.b\NT1422123067.D

Page 1

Date : 01-JAN-2023 00:06

Client ID:

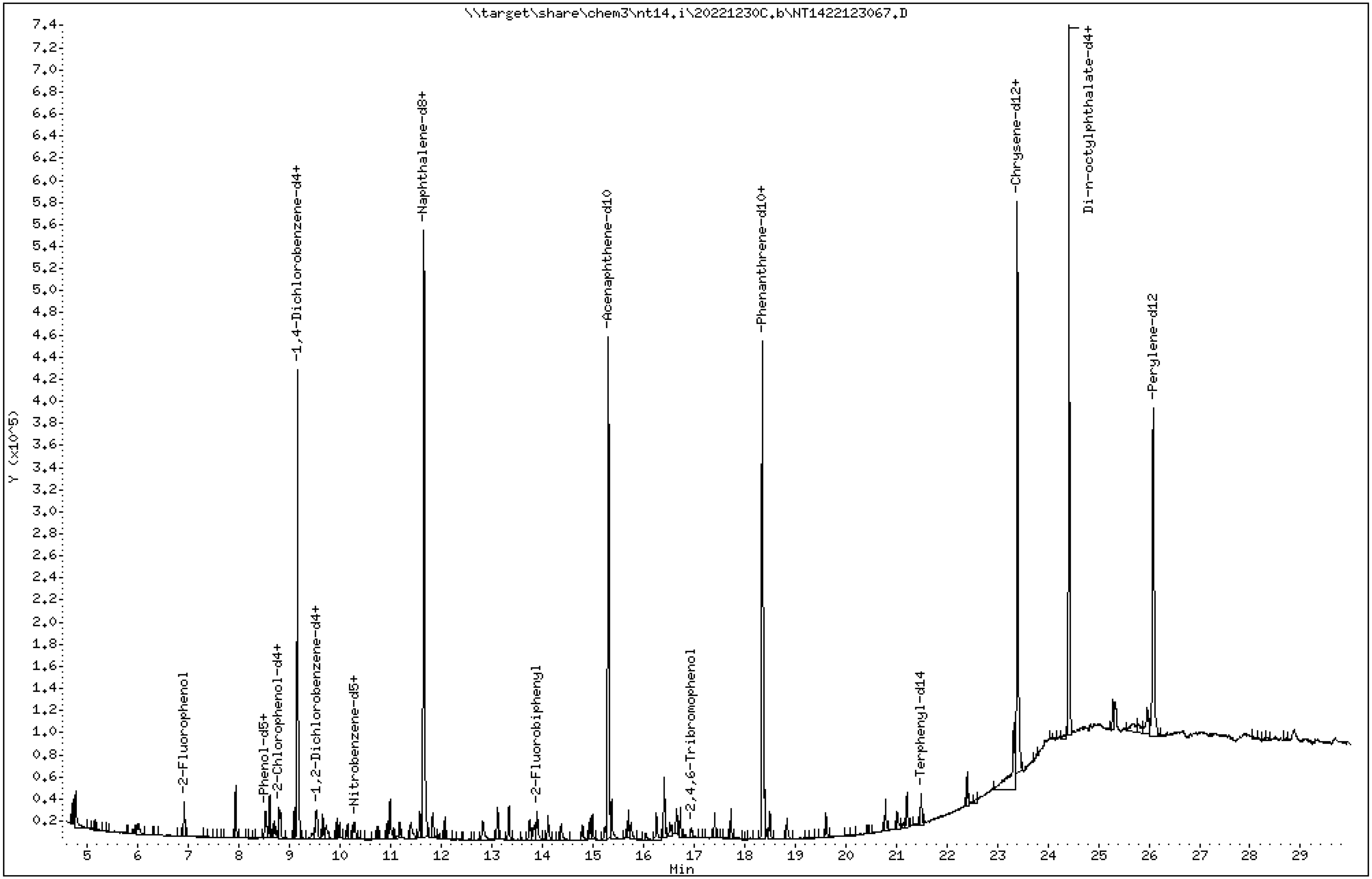
Instrument: nt14.i

Sample Info: SKL0355-LCV3

Operator: VTS

Column phase: ZB-5msi

Column diameter: 0.25



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Date : 01-JAN-2023 00:06

Client ID:

Instrument: nt14.i

Sample Info: SKL0355-LCV3

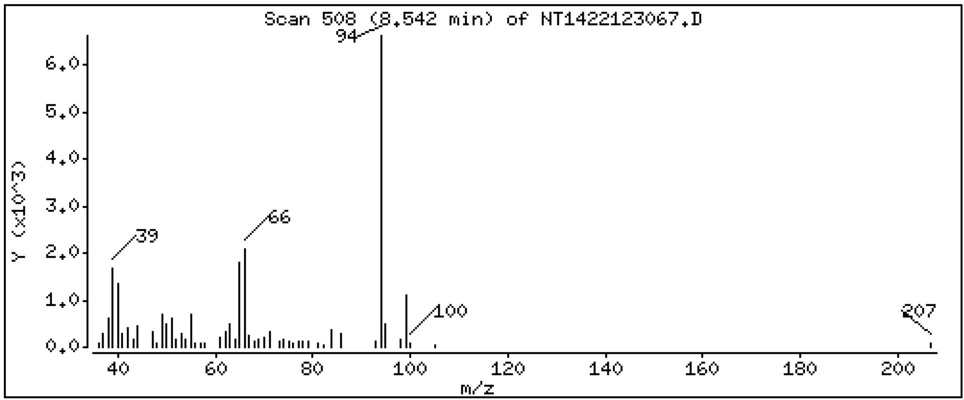
Operator: VTS

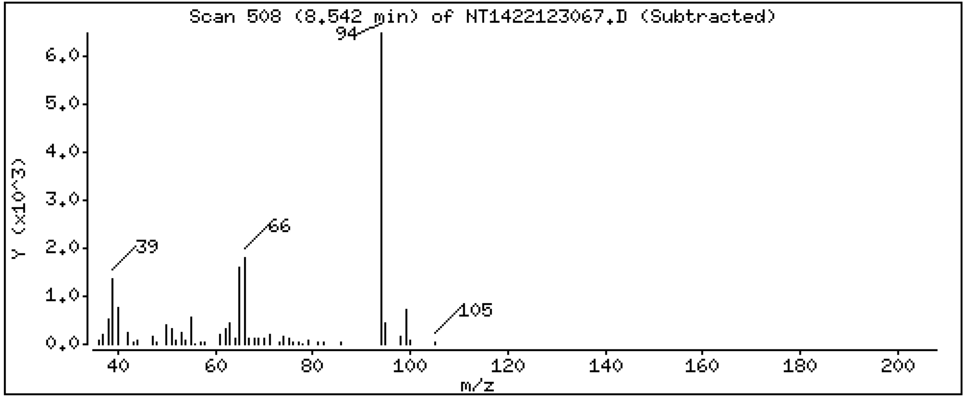
Column phase: ZB-5msi

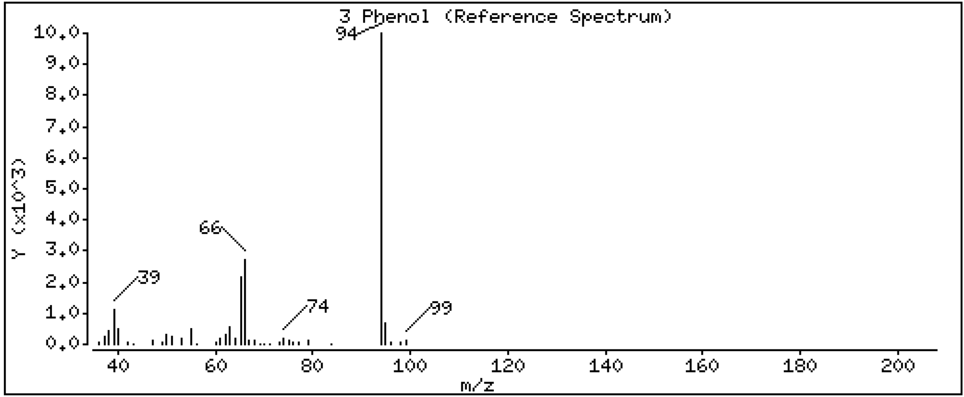
Column diameter: 0.25

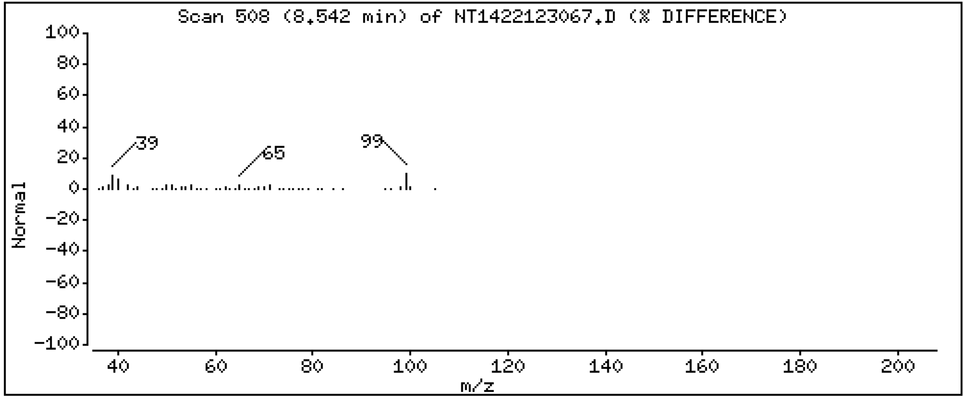
3 Phenol

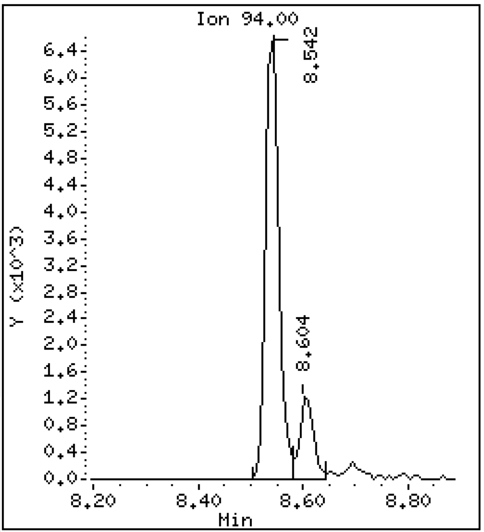
Concentration: 0.2273 ug/mL

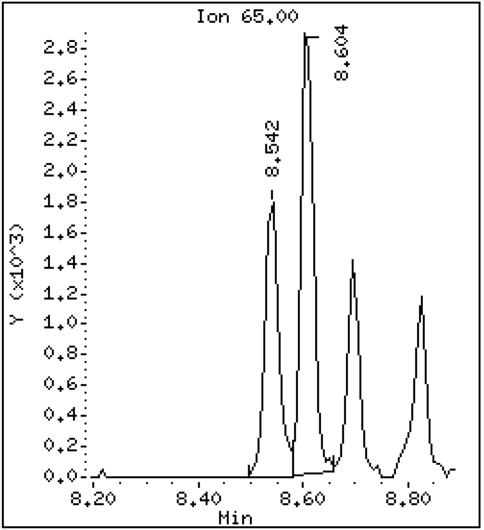

Scan 508 (8.542 min) of NT1422123067.D

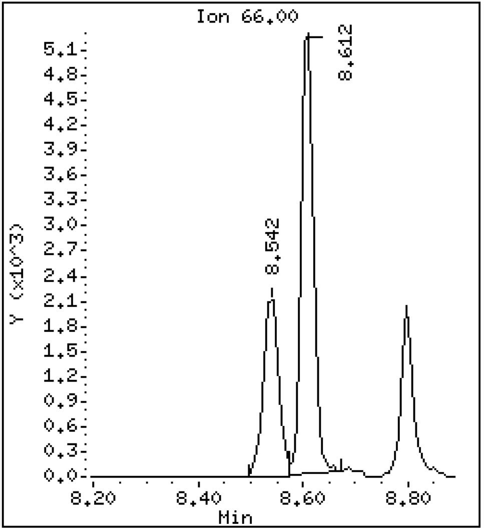

Scan 508 (8.542 min) of NT1422123067.D (Subtracted)


3 Phenol (Reference Spectrum)


Scan 508 (8.542 min) of NT1422123067.D (% DIFFERENCE)


Ion 94.00


Ion 65.00


Ion 66.00

Data File: \\target\share\chem3\nt14.i\20221230C.b\NT1422123067.D

Date : 01-JAN-2023 00:06

Client ID:

Instrument: nt14.i

Sample Info: SKL0355-LCV3

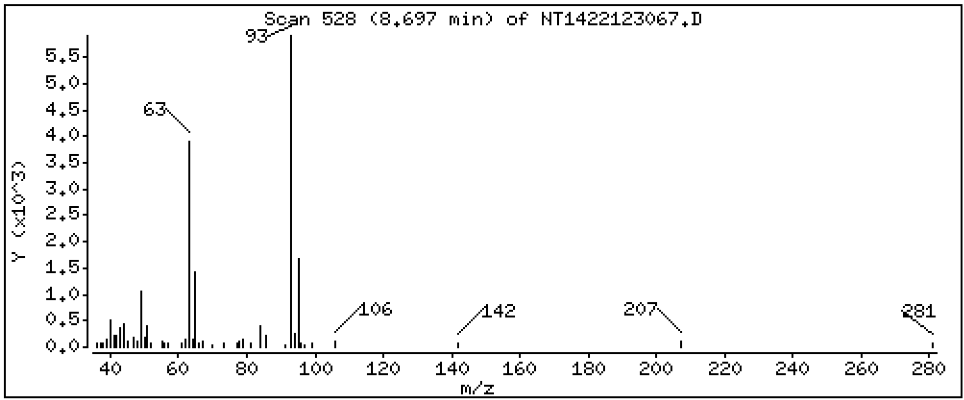
Operator: VTS

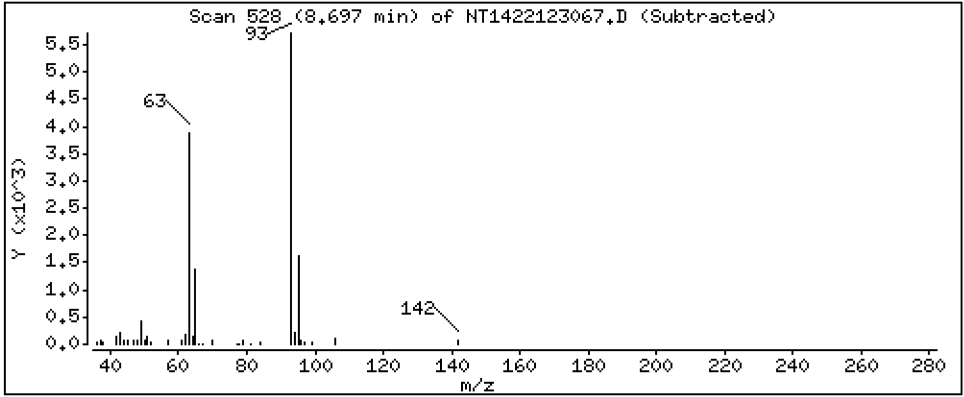
Column phase: ZB-5msi

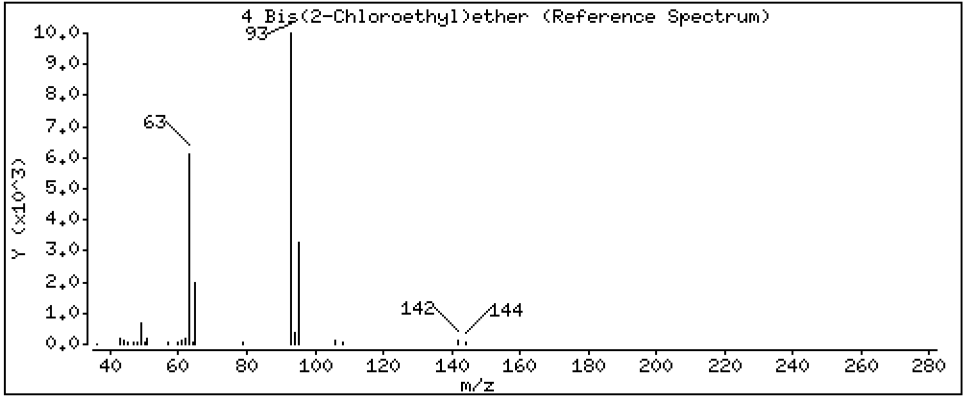
Column diameter: 0.25

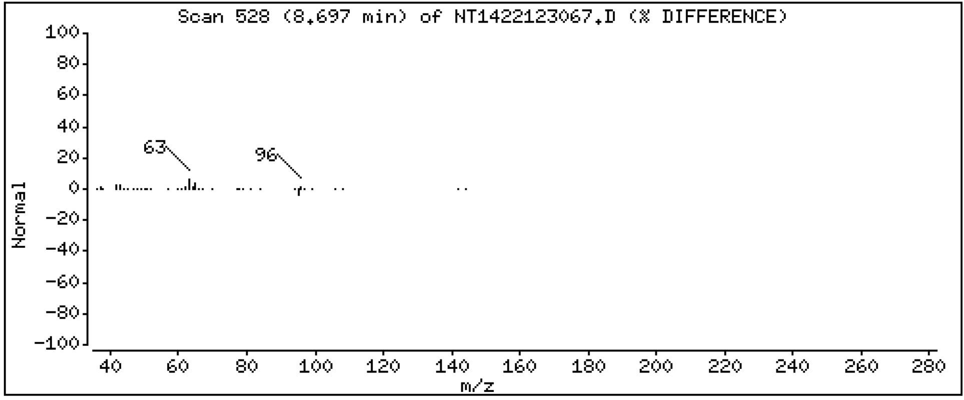
4 Bis(2-Chloroethyl)ether

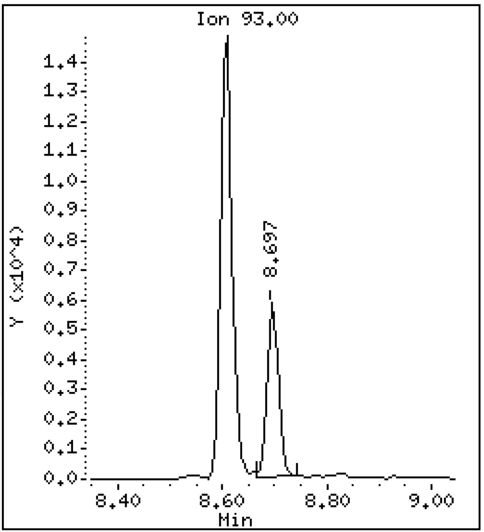
Concentration: 0.2393 ug/mL

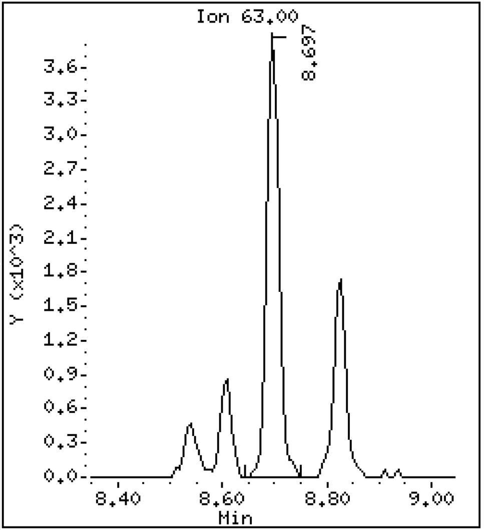


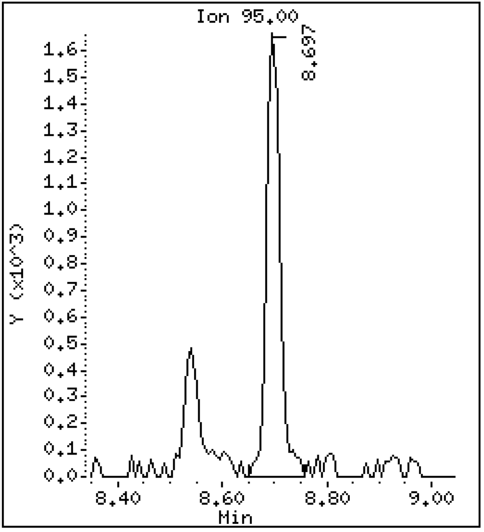












Data File: \\target\share\chem3\nt14.i\20221230C.b\NT1422123067.D

Date : 01-JAN-2023 00:06

Client ID:

Instrument: nt14.i

Sample Info: SKL0355-LCV3

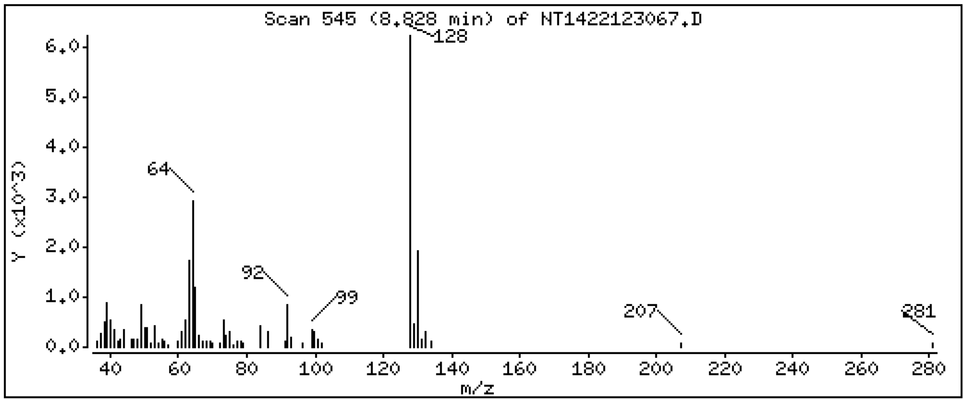
Operator: VTS

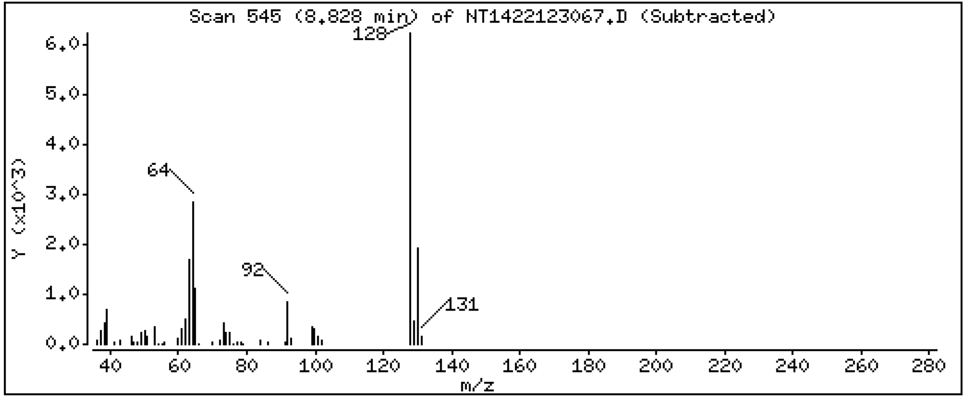
Column phase: ZB-5msi

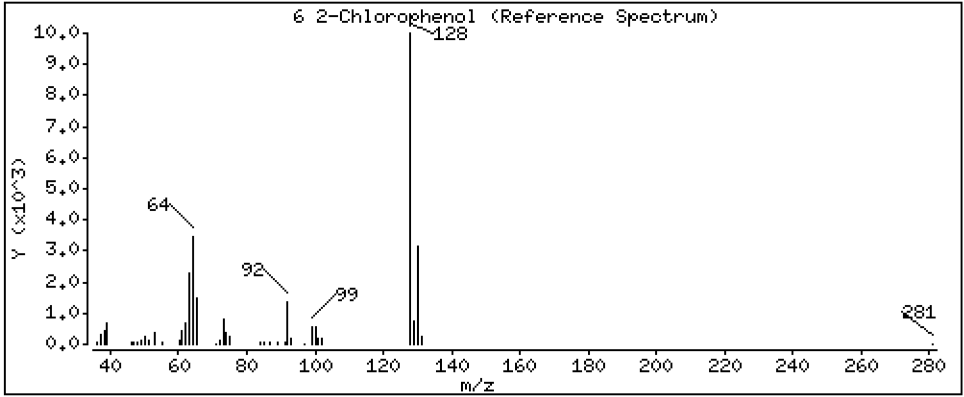
Column diameter: 0.25

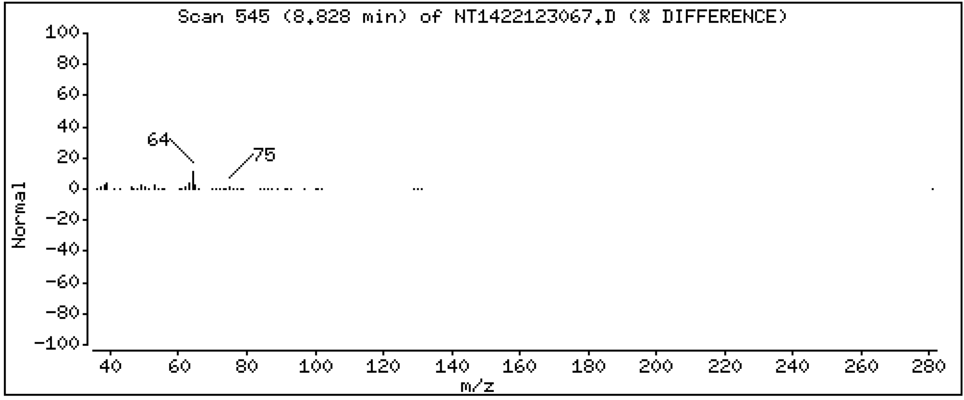
6 2-Chlorophenol

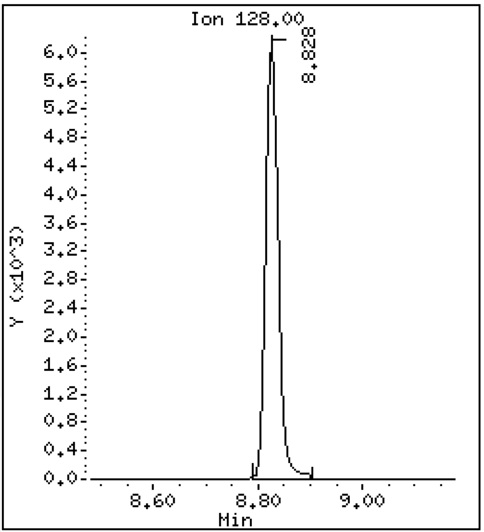
Concentration: 0.2462 ug/mL

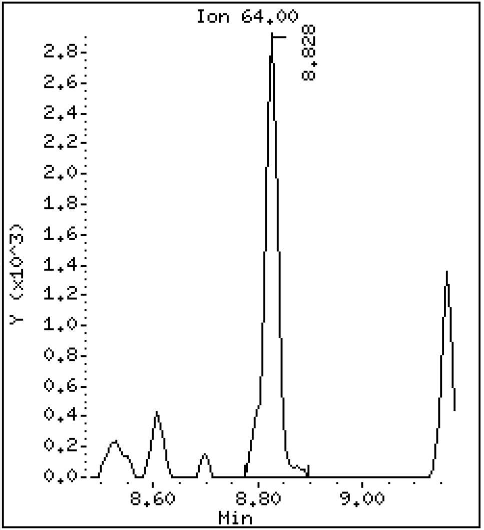

Scan 545 (8.828 min) of NT1422123067.D

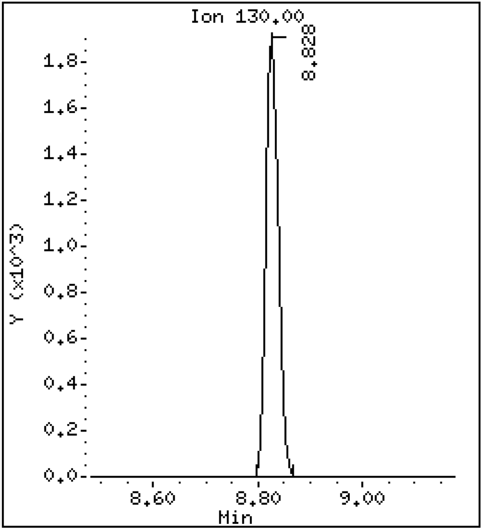

Scan 545 (8.828 min) of NT1422123067.D (Subtracted)


6 2-Chlorophenol (Reference Spectrum)


Scan 545 (8.828 min) of NT1422123067.D (% DIFFERENCE)


Ion 128.00


Ion 64.00


Ion 130.00

Data File: \\target\share\chem3\nt14.i\20221230C.b\NT1422123067.D

Date : 01-JAN-2023 00:06

Client ID:

Instrument: nt14.i

Sample Info: SKL0355-LCV3

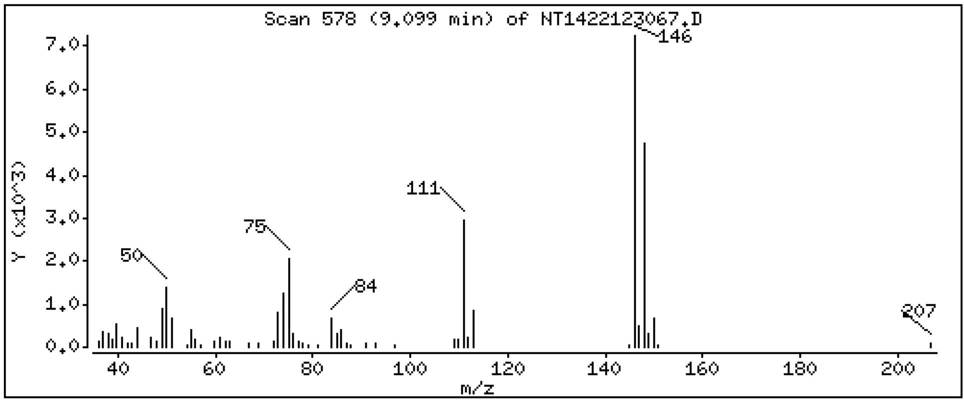
Operator: VTS

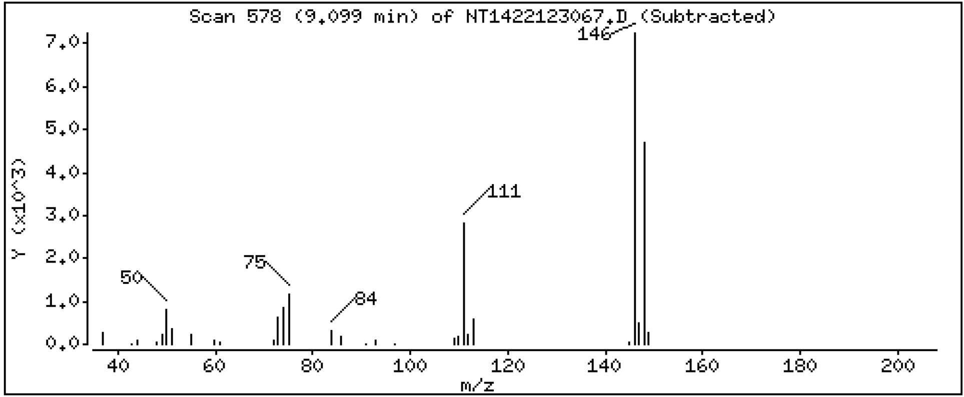
Column phase: ZB-5msi

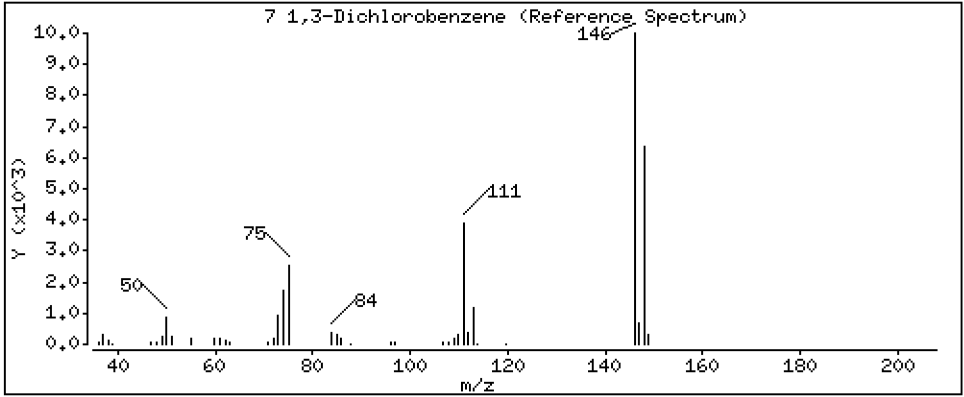
Column diameter: 0.25

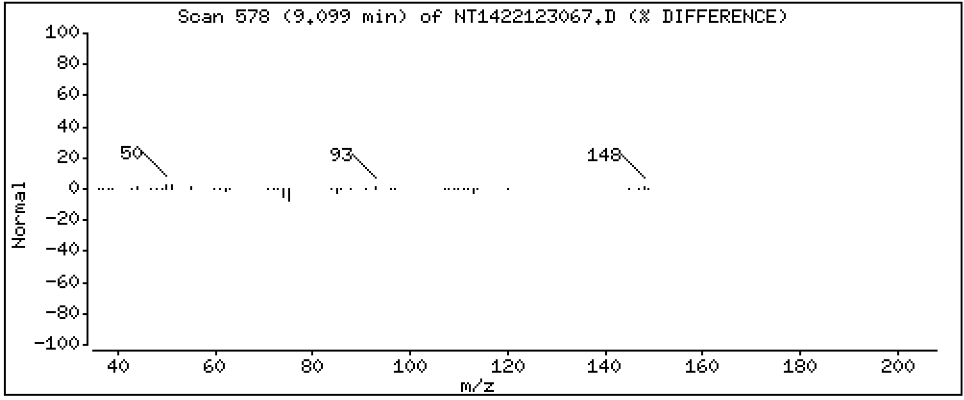
7 1,3-Dichlorobenzene

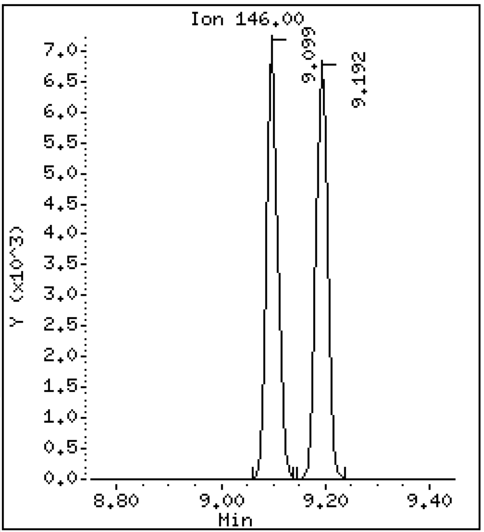
Concentration: 0.2470 ug/mL

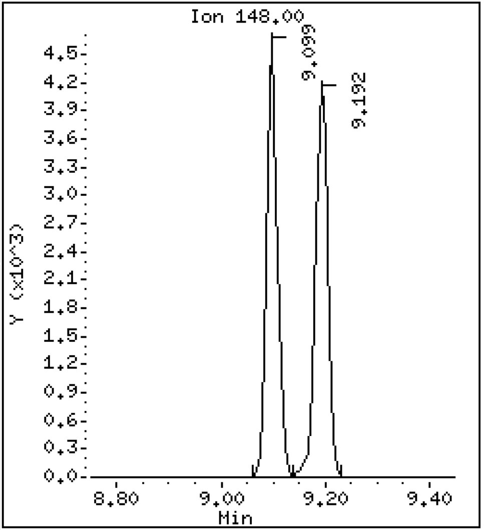

Scan 578 (9.099 min) of NT1422123067.D

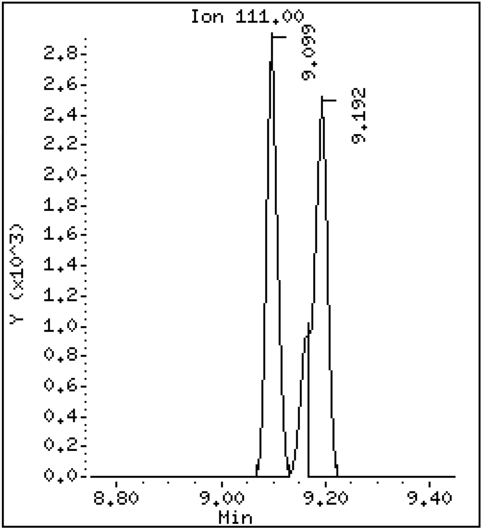

Scan 578 (9.099 min) of NT1422123067.D (Subtracted)


7 1,3-Dichlorobenzene (Reference Spectrum)


Scan 578 (9.099 min) of NT1422123067.D (% DIFFERENCE)


Ion 146.00


Ion 148.00


Ion 111.00

Date : 01-JAN-2023 00:06

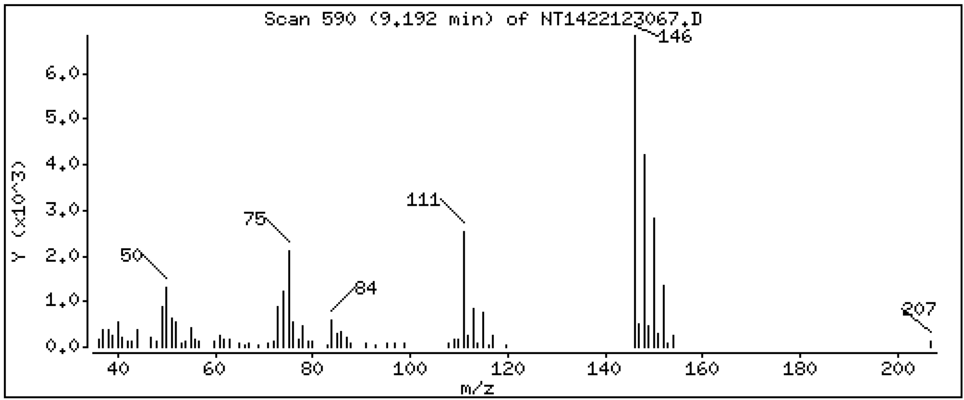
Client ID: Instrument: nt14.i

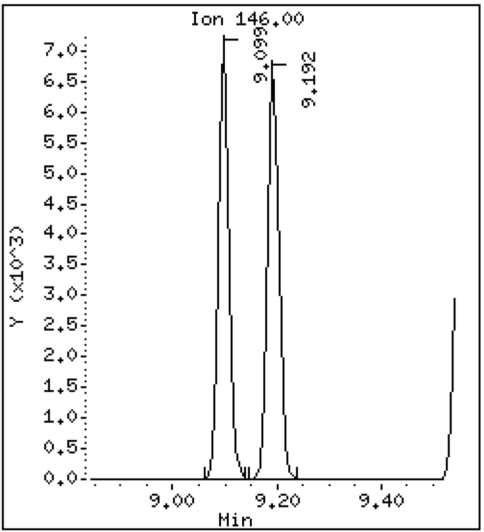
Sample Info: SKL0355-LCV3

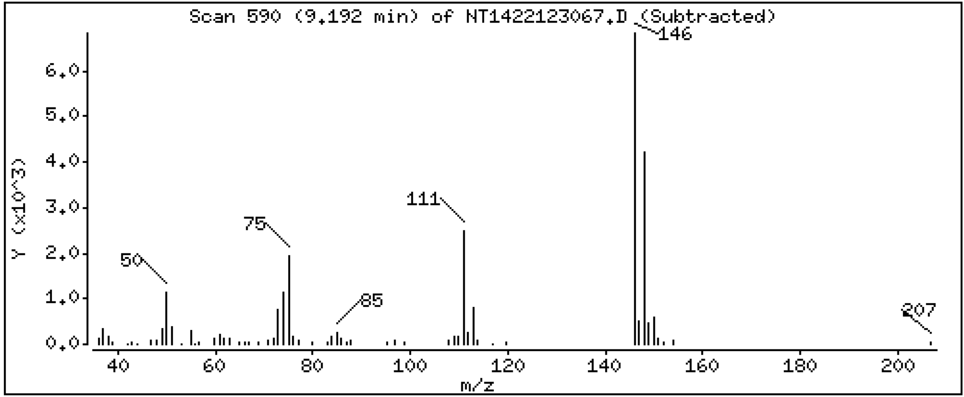
Operator: VTS

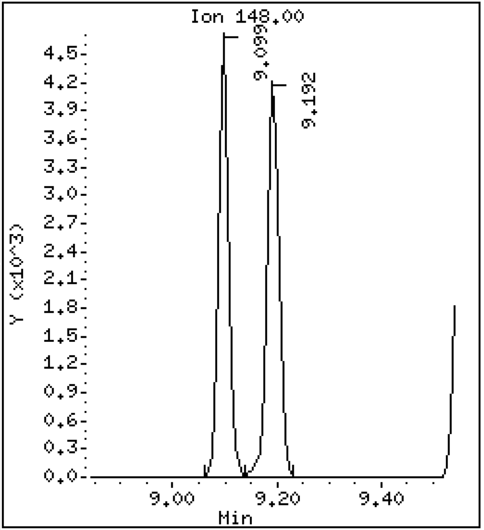
Column phase: ZB-5msi Column diameter: 0.25

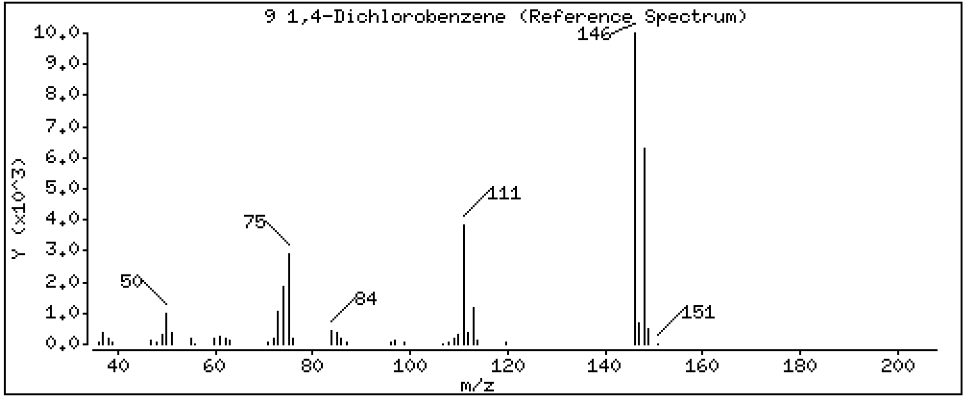
9 1,4-Dichlorobenzene Concentration: 0.2502 ug/mL

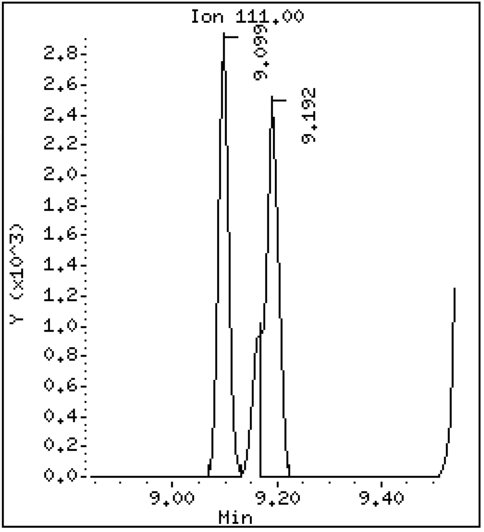


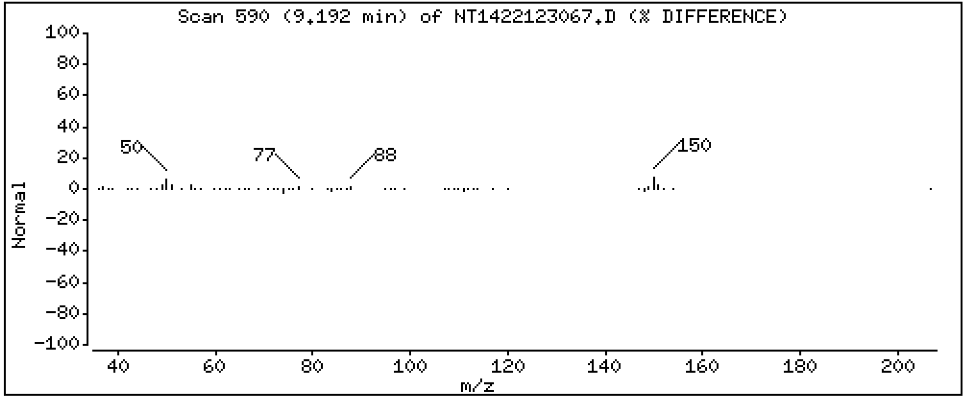












Data File: \\target\share\chem3\nt14.i\20221230C.b\NT1422123067.D

Date : 01-JAN-2023 00:06

Client ID:

Instrument: nt14.i

Sample Info: SKL0355-LCV3

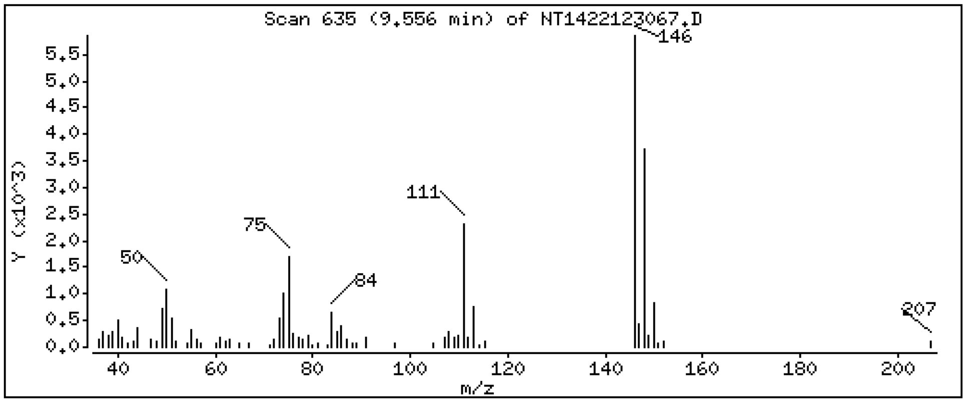
Operator: VTS

Column phase: ZB-5msi

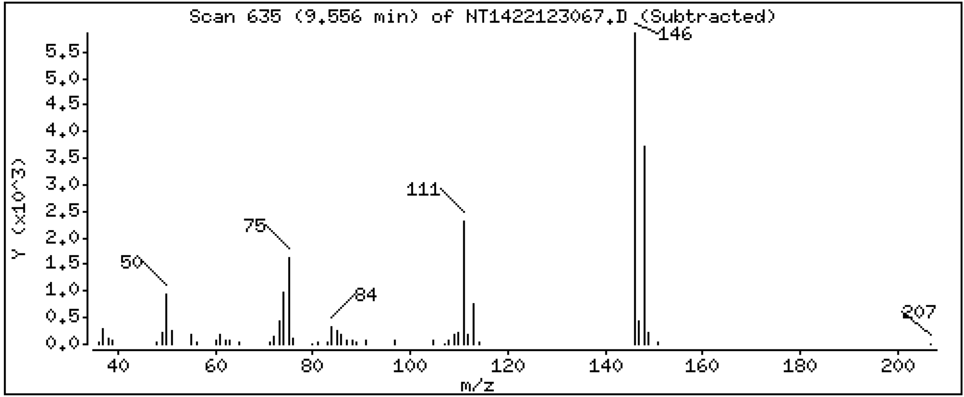
Column diameter: 0.25

12 1,2-Dichlorobenzene

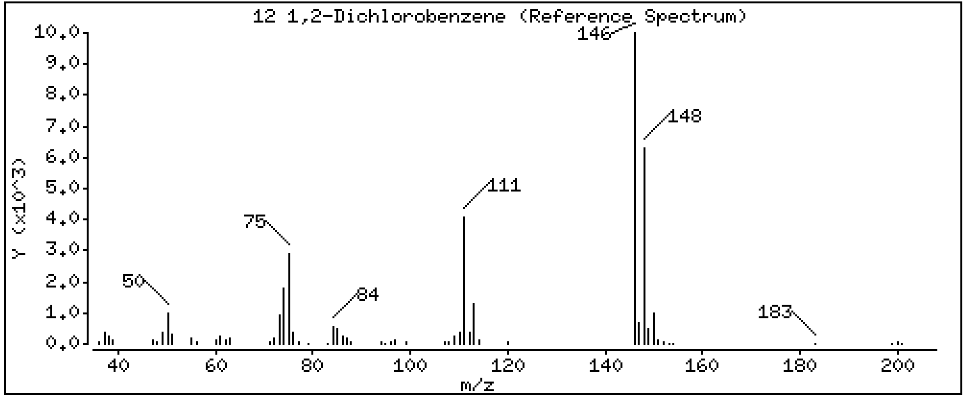
Concentration: 0.2420 ug/mL



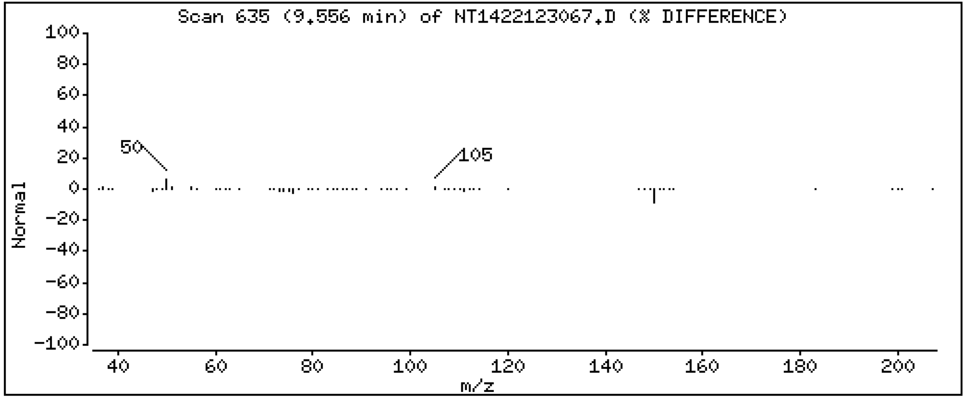
Scan 635 (9.556 min) of NT1422123067.D



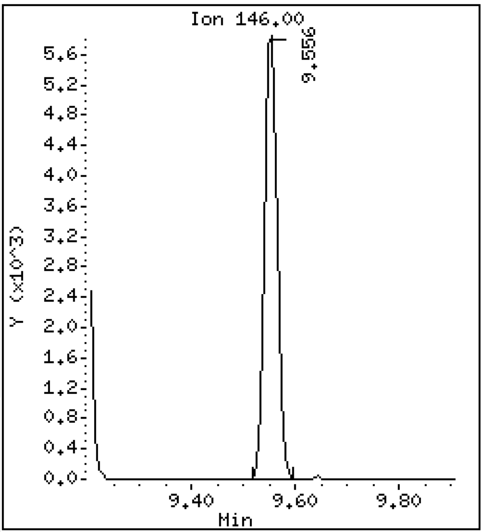
Scan 635 (9.556 min) of NT1422123067.D (Subtracted)



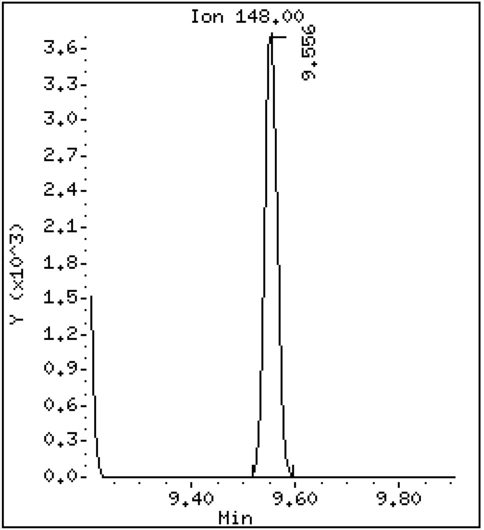
12 1,2-Dichlorobenzene (Reference Spectrum)



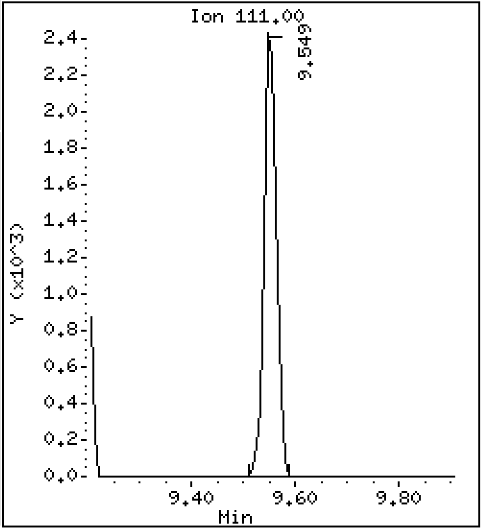
Scan 635 (9.556 min) of NT1422123067.D (% DIFFERENCE)



Ion 146.00



Ion 148.00



Ion 111.00

Date : 01-JAN-2023 00:06

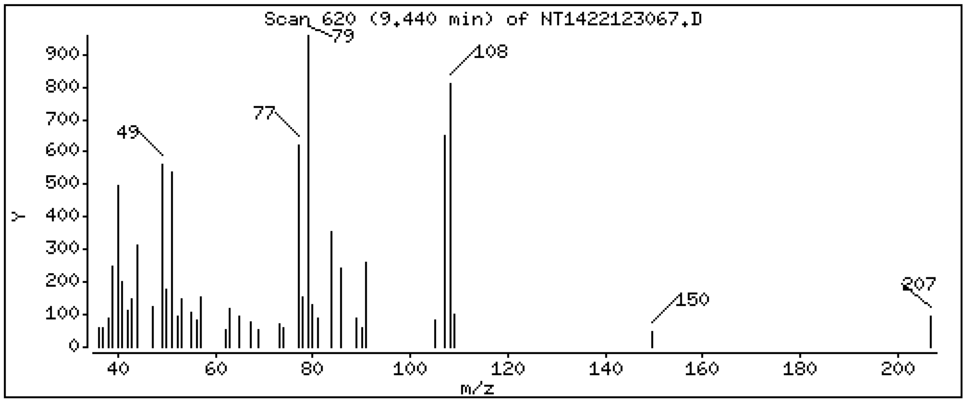
Client ID: Instrument: nt14.i

Sample Info: SKL0355-LCV3

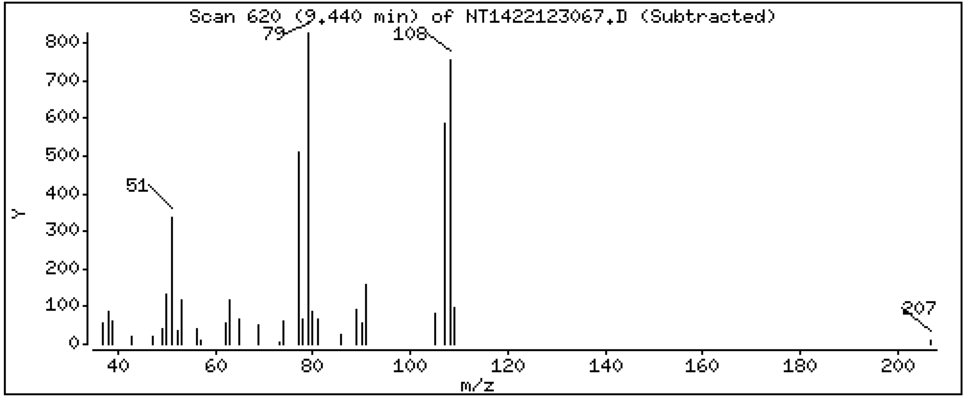
Operator: VTS

Column phase: ZB-5msi Column diameter: 0.25

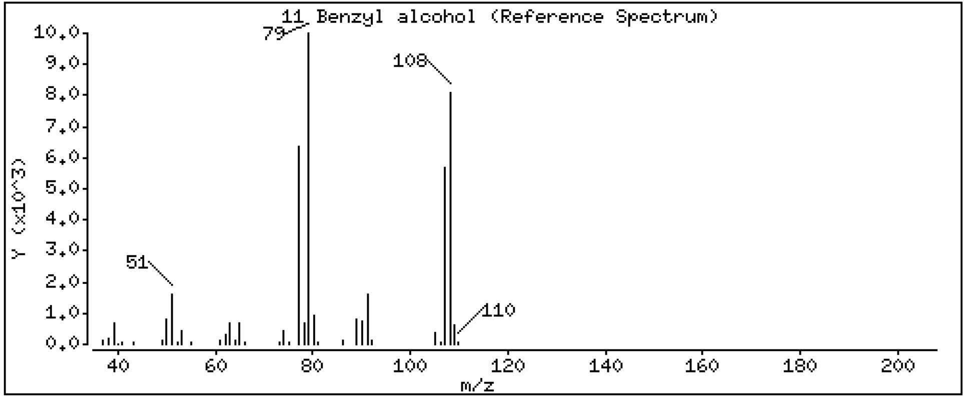
11 Benzyl alcohol Concentration: 0.1653 ug/mL



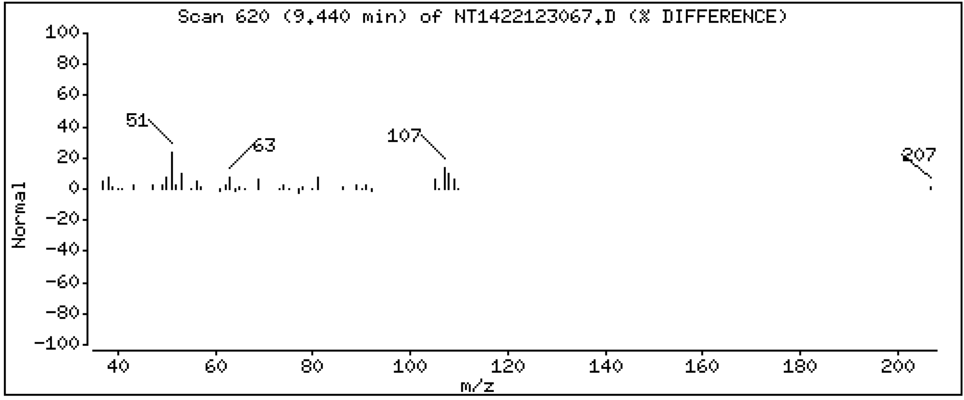
Scan 620 (9.440 min) of NT1422123067.D



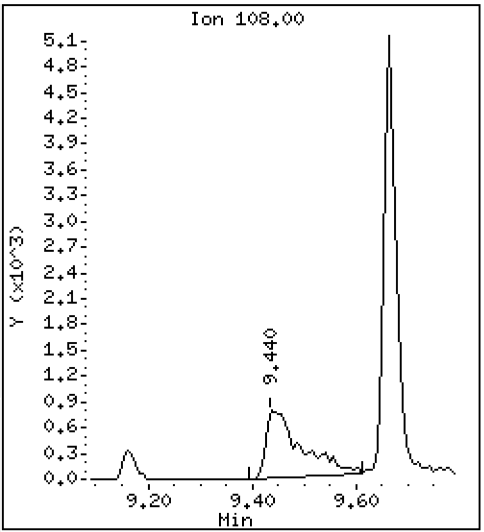
Scan 620 (9.440 min) of NT1422123067.D (Subtracted)



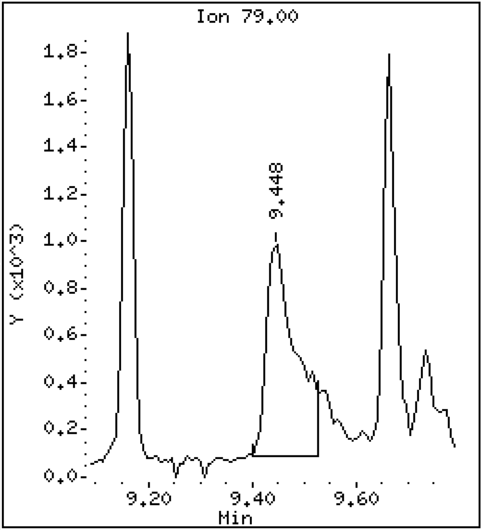
11 Benzyl alcohol (Reference Spectrum)



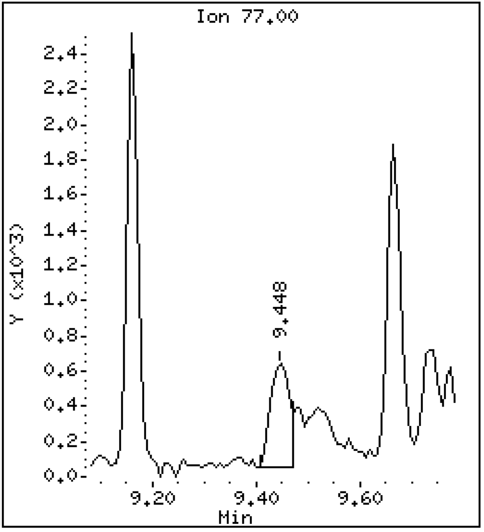
Scan 620 (9.440 min) of NT1422123067.D (% DIFFERENCE)



Ion 108.00



Ion 79.00



Ion 77.00

Data File: \\target\share\chem3\nt14.i\20221230C.b\NT1422123067.D

Date : 01-JAN-2023 00:06

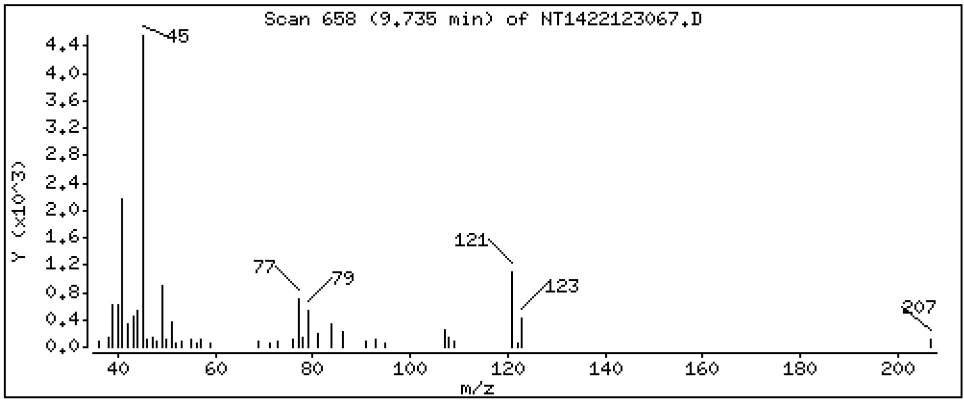
Client ID: Instrument: nt14.i

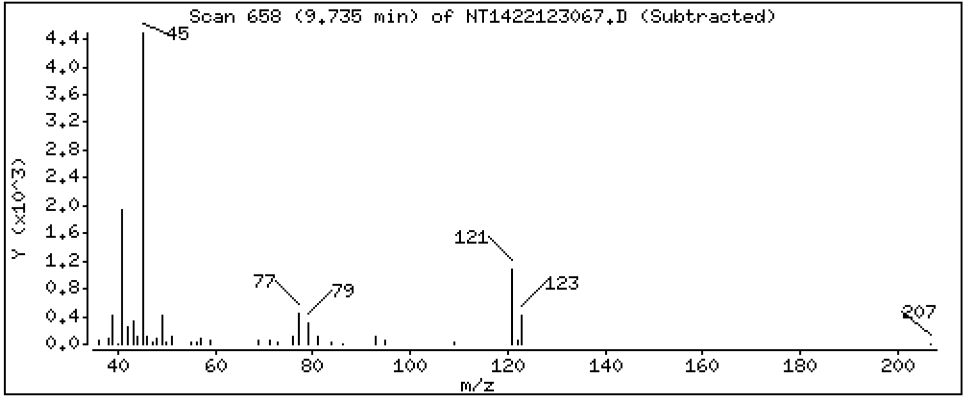
Sample Info: SKL0355-LCV3

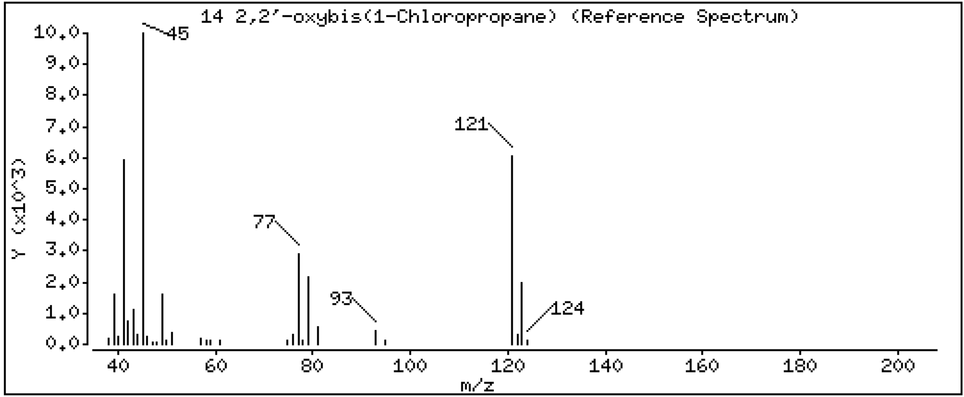
Operator: VTS

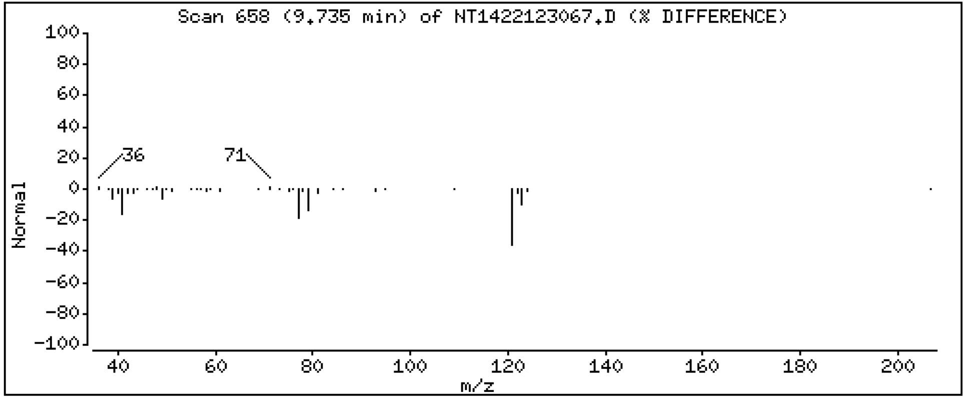
Column phase: ZB-5msi Column diameter: 0.25

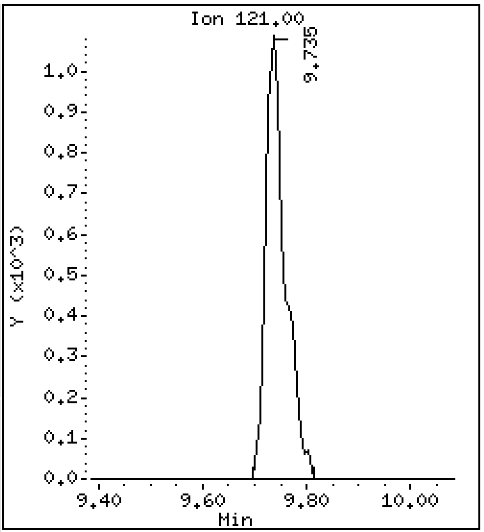
14 2,2'-oxybis(1-Chloropropane) Concentration: 0.2430 ug/mL

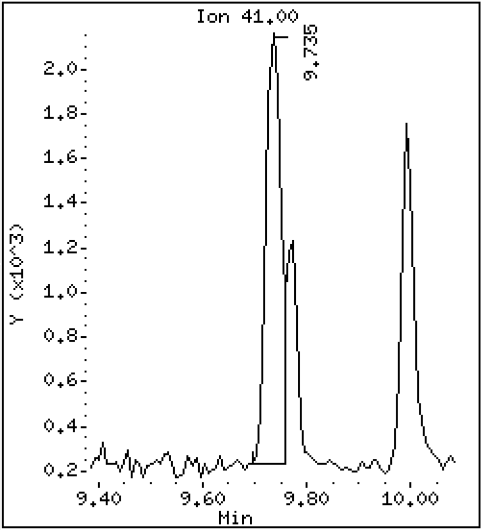

Scan 658 (9.735 min) of NT1422123067.D

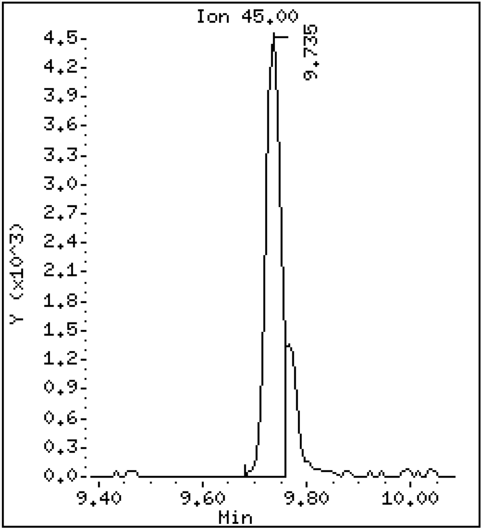

Scan 658 (9.735 min) of NT1422123067.D (Subtracted)


14 2,2'-oxybis(1-Chloropropane) (Reference Spectrum)


Scan 658 (9.735 min) of NT1422123067.D (% DIFFERENCE)


Ion 121.00


Ion 41.00


Ion 45.00

Data File: \\target\share\chem3\nt14.i\20221230C.b\NT1422123067.D

Date : 01-JAN-2023 00:06

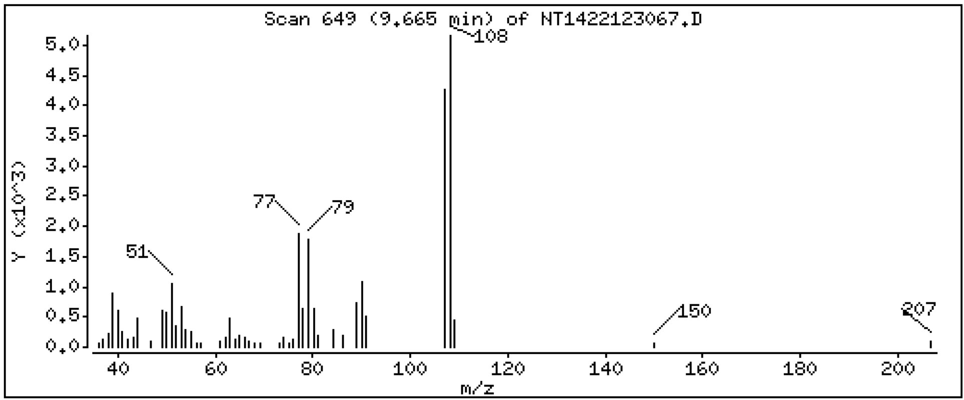
Client ID: Instrument: nt14.i

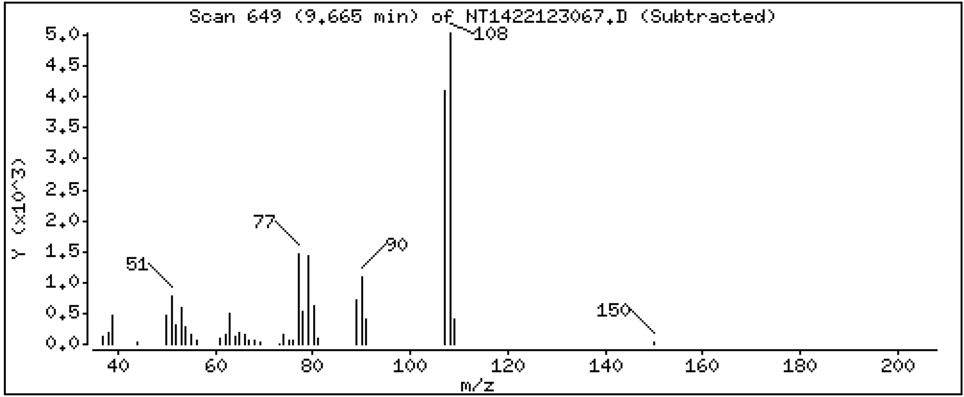
Sample Info: SKL0355-LCV3

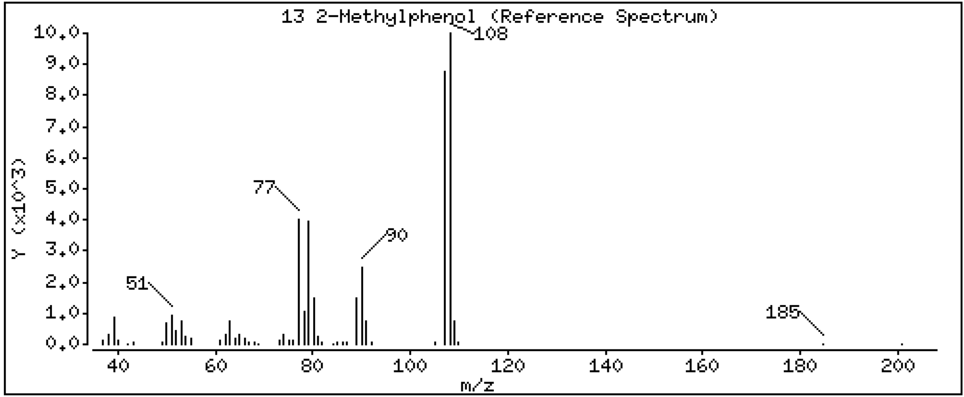
Operator: VTS

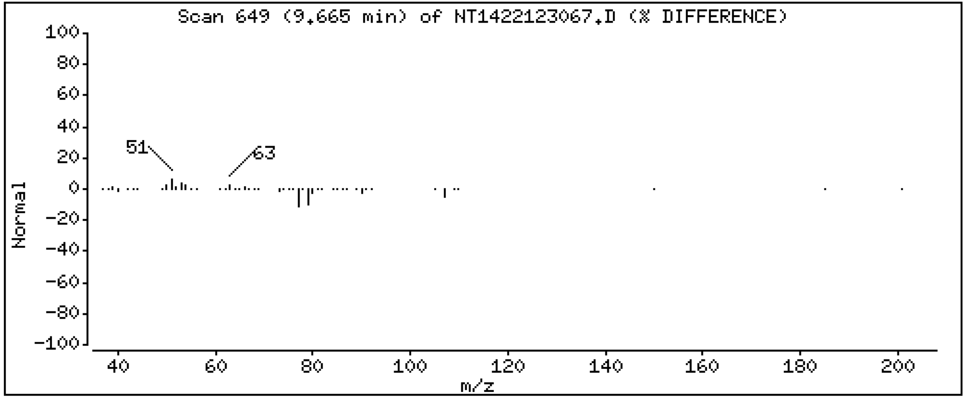
Column phase: ZB-5msi Column diameter: 0.25

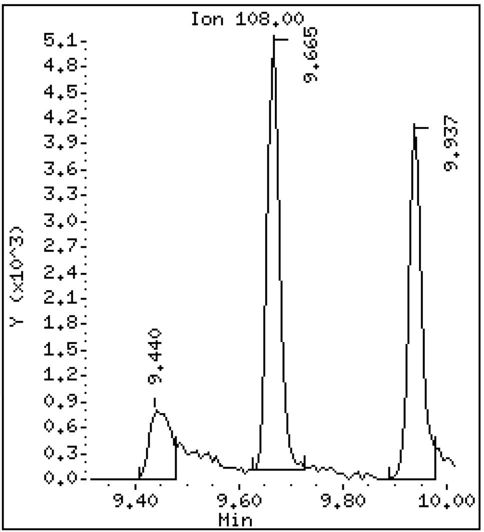
13 2-Methylphenol Concentration: 0.2207 ug/mL

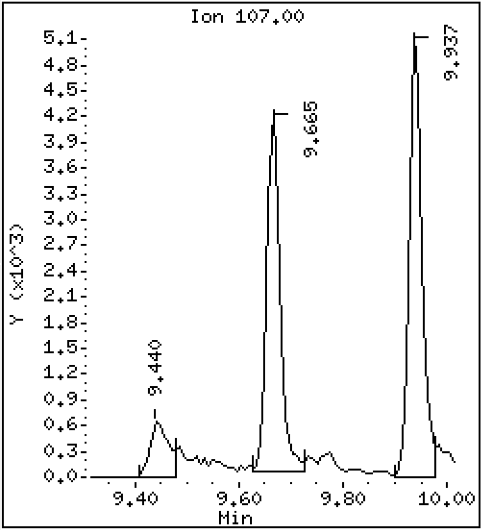


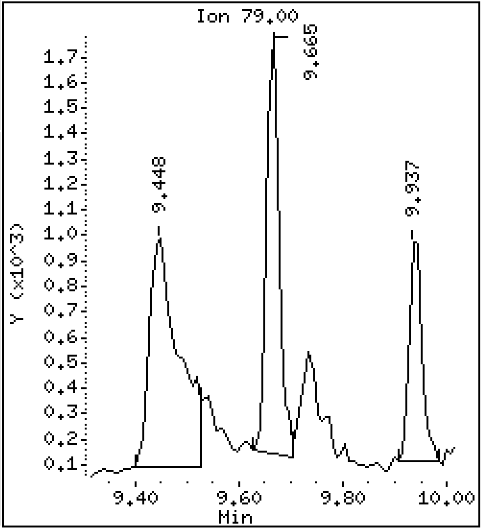












Date : 01-JAN-2023 00:06

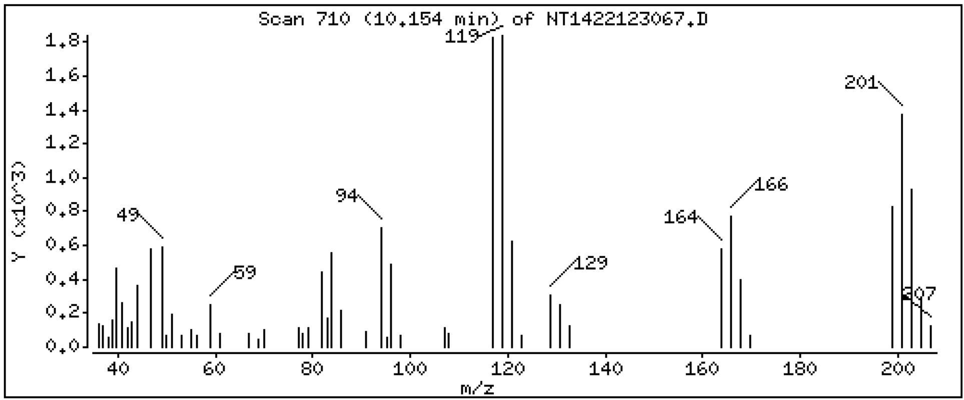
Client ID: Instrument: nt14.i

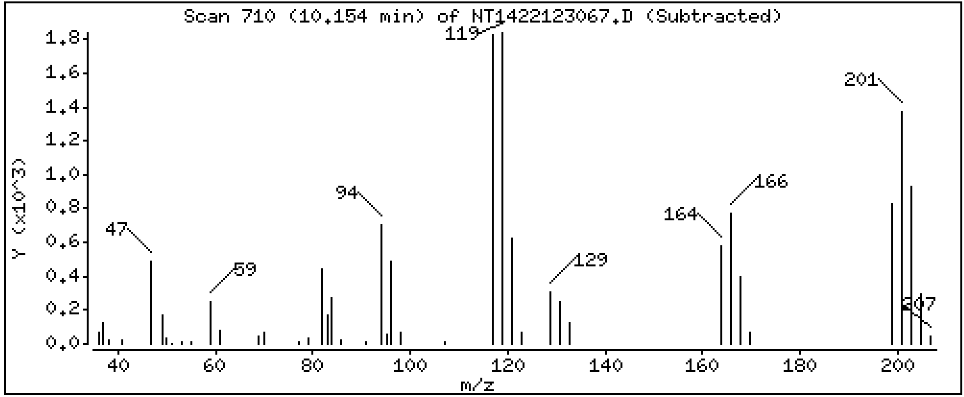
Sample Info: SKL0355-LCV3

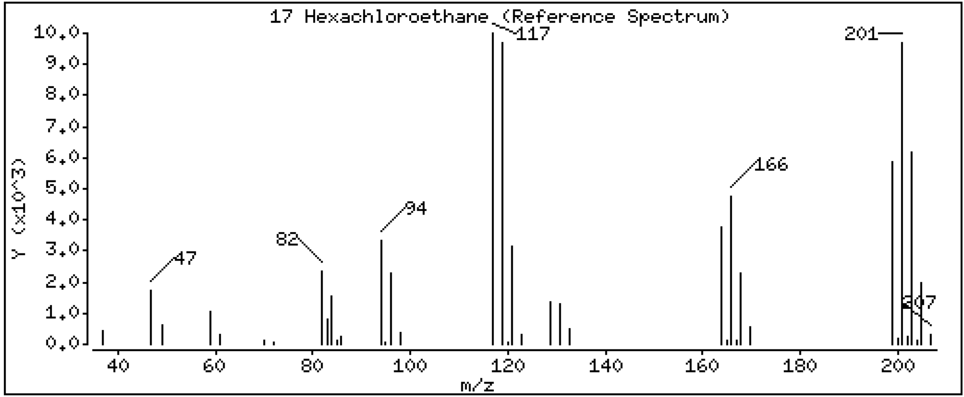
Operator: VTS

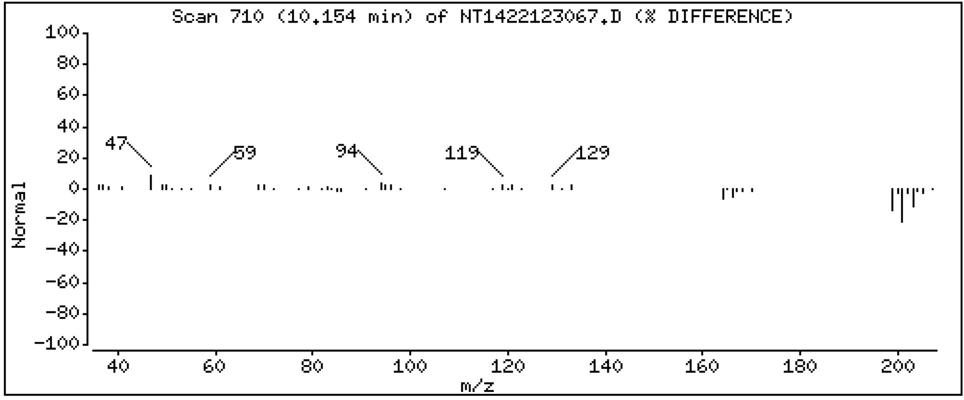
Column phase: ZB-5msi Column diameter: 0.25

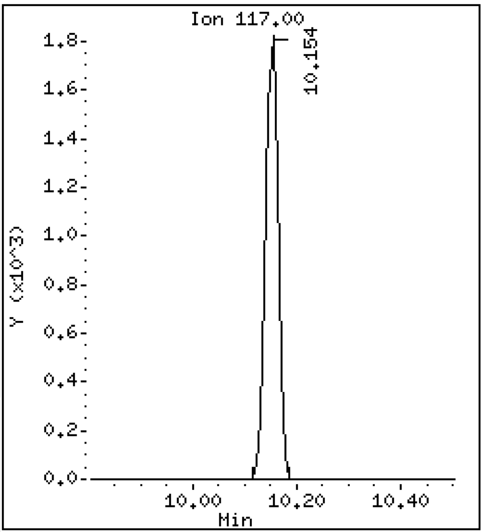
17 Hexachloroethane Concentration: 0.1979 ug/mL

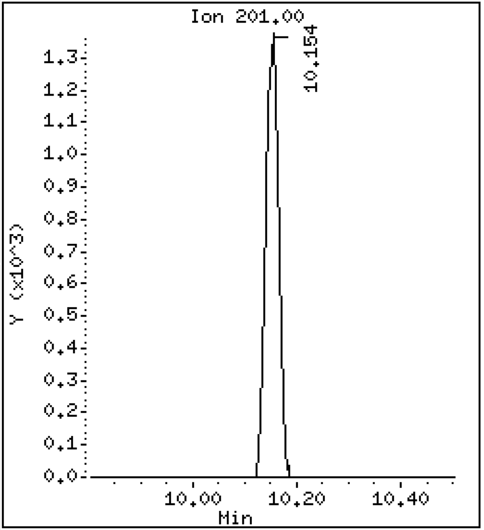

Scan 710 (10.154 min) of NT1422123067.D


Scan 710 (10.154 min) of NT1422123067.D (Subtracted)


17 Hexachloroethane (Reference Spectrum)


Scan 710 (10.154 min) of NT1422123067.D (% DIFFERENCE)


Ion 117.00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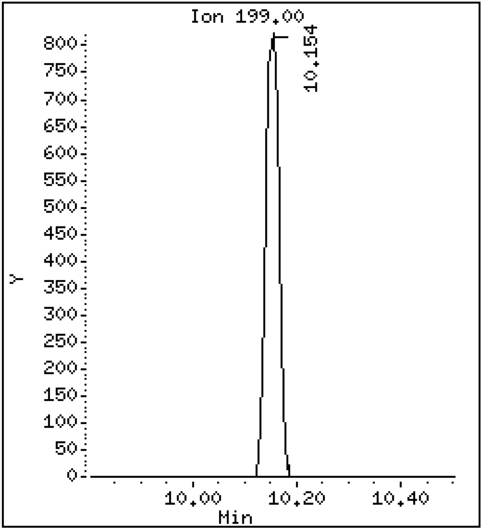

Ion 199.00

Data File: \\target\share\chem3\nt14.i\20221230C.b\NT1422123067.D

Date : 01-JAN-2023 00:06

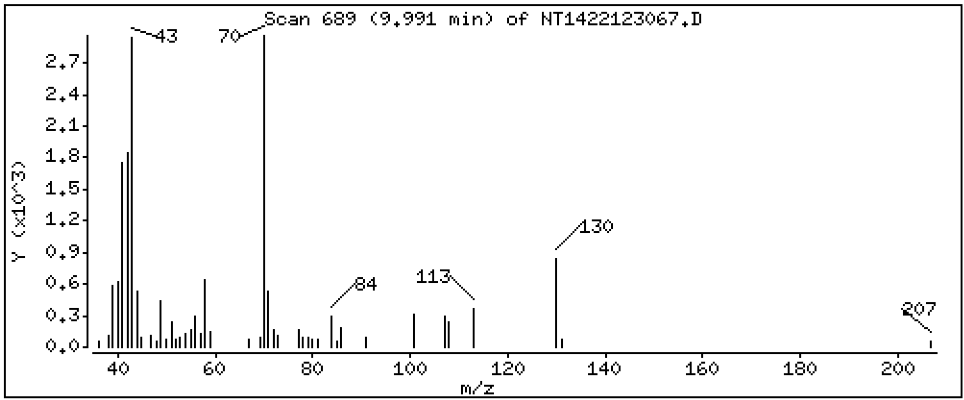
Client ID: Instrument: nt14.i

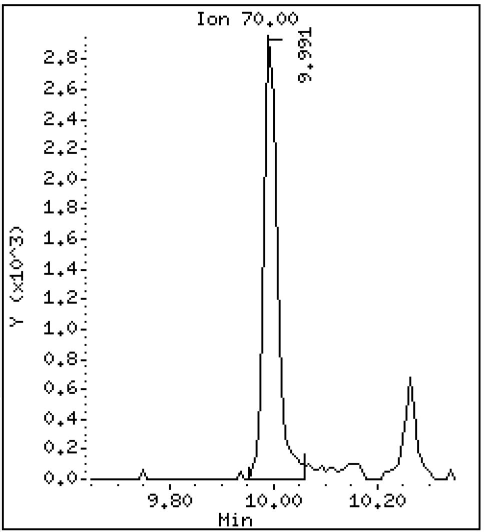
Sample Info: SKL0355-LCV3

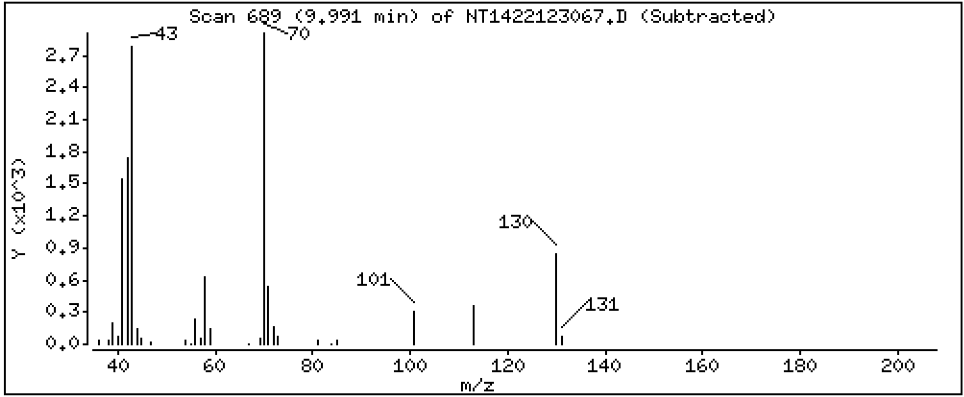
Operator: VTS

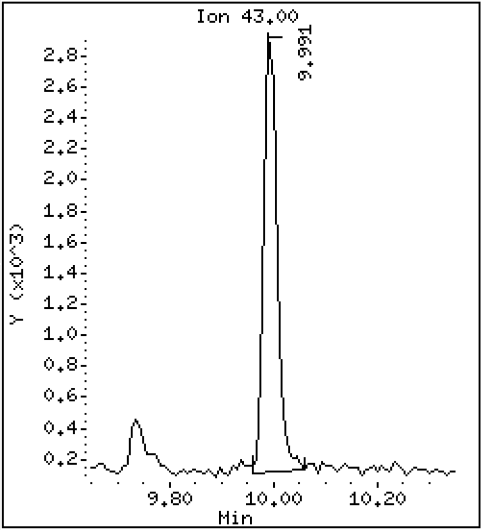
Column phase: ZB-5msi Column diameter: 0.25

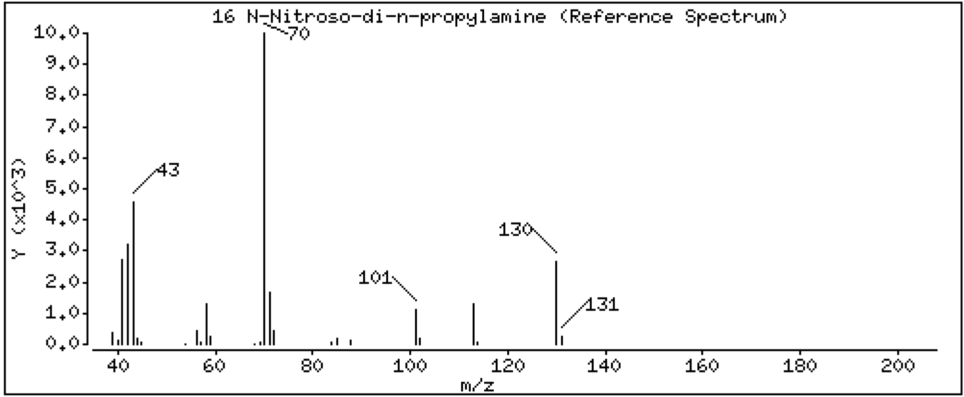
16 N-Nitroso-di-n-propylamine Concentration: 0.2352 ug/mL

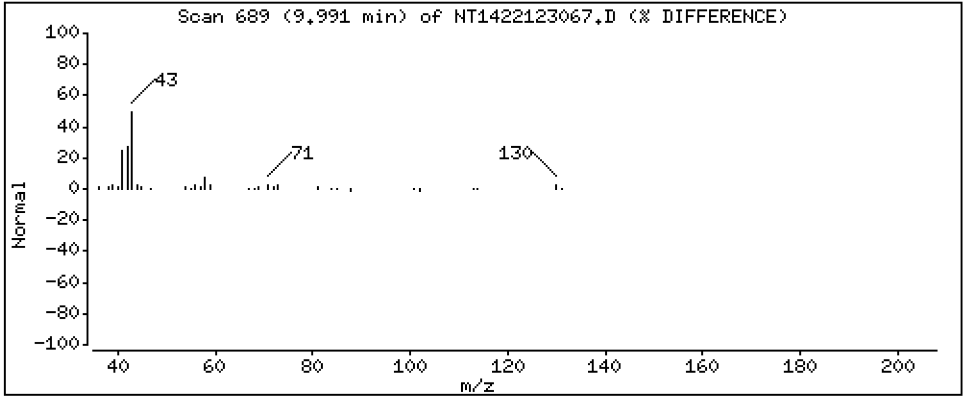

Scan 689 (9.991 min) of NT1422123067.D

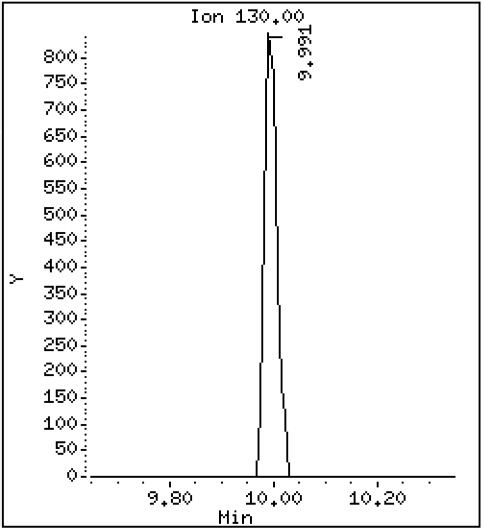

Ion 70.00


Scan 689 (9.991 min) of NT1422123067.D (Subtracted)


Ion 43.00


16 N-Nitroso-di-n-propylamine (Reference Spectrum)


Scan 689 (9.991 min) of NT1422123067.D (% DIFFERENCE)


Ion 130.00

Data File: \\target\share\chem3\nt14.i\20221230C.b\NT1422123067.D

Date : 01-JAN-2023 00:06

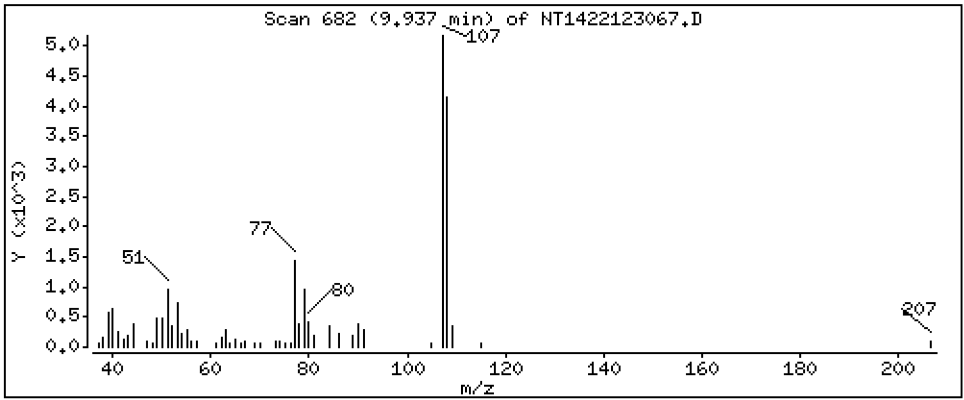
Client ID: Instrument: nt14.i

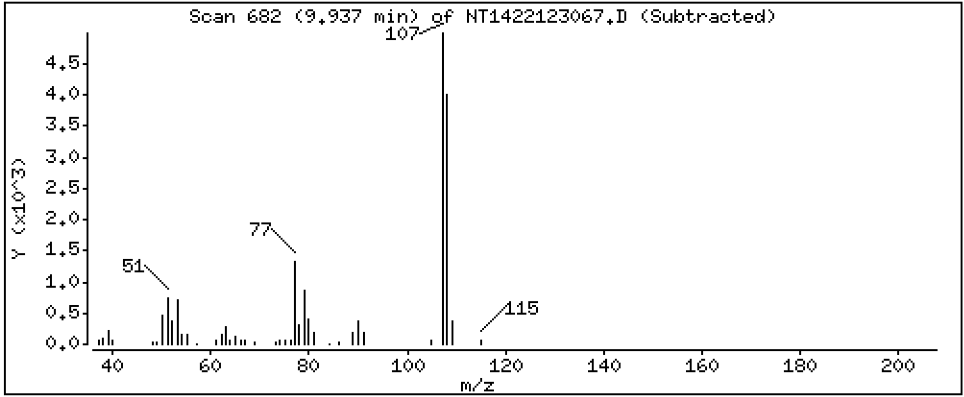
Sample Info: SKL0355-LCV3

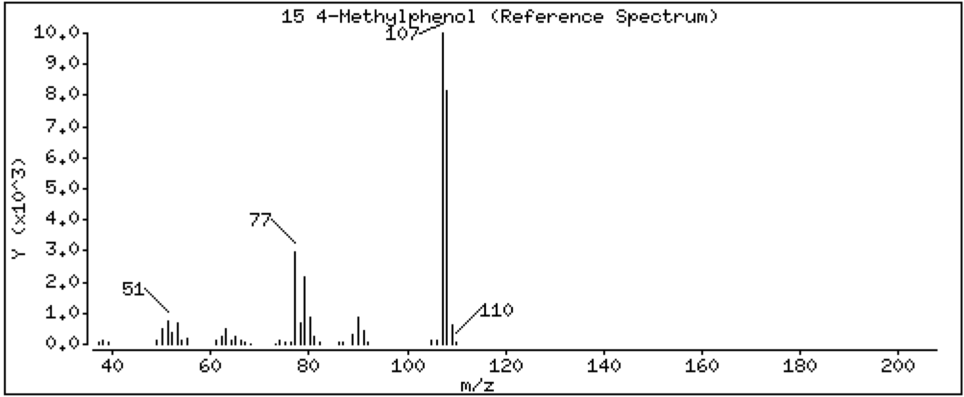
Operator: VTS

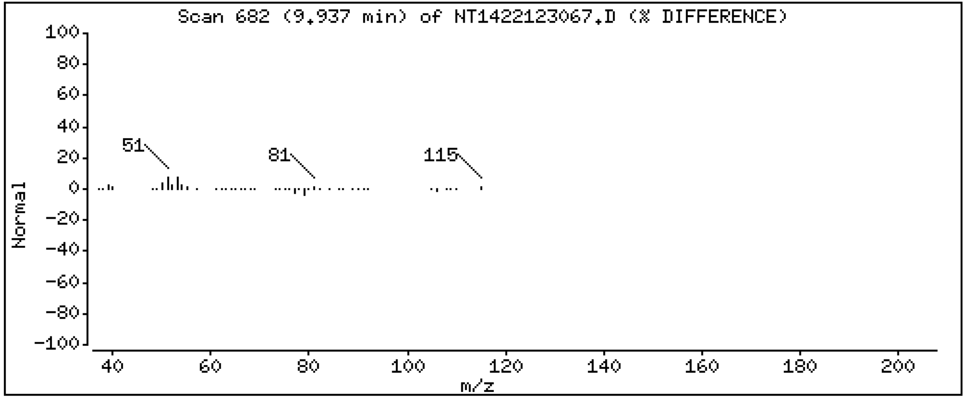
Column phase: ZB-5msi Column diameter: 0.25

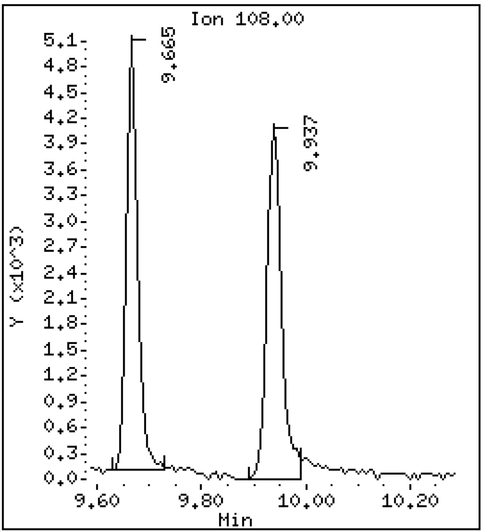
15 4-Methylphenol Concentration: 0.2079 ug/mL

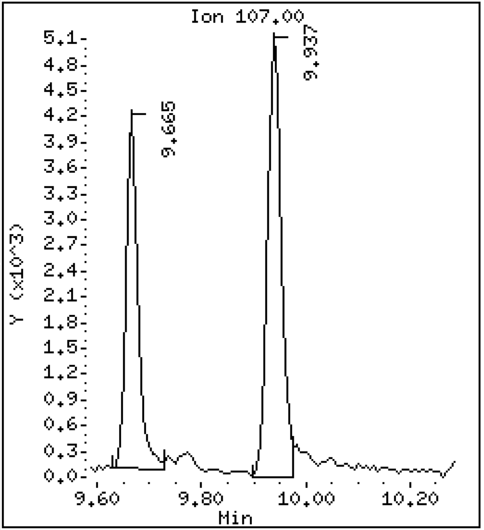


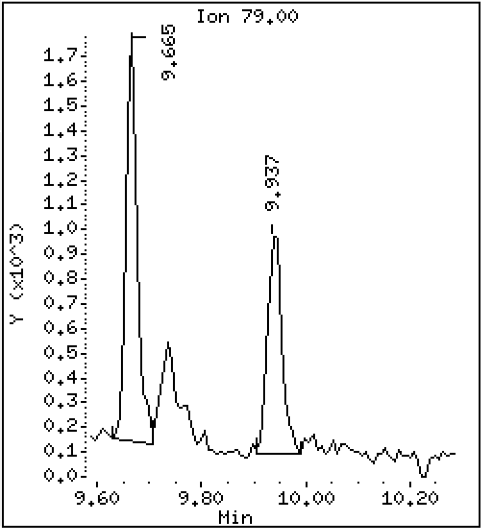












Data File: \\target\share\chem3\nt14.i\20221230C.b\NT1422123067.D

Date : 01-JAN-2023 00:06

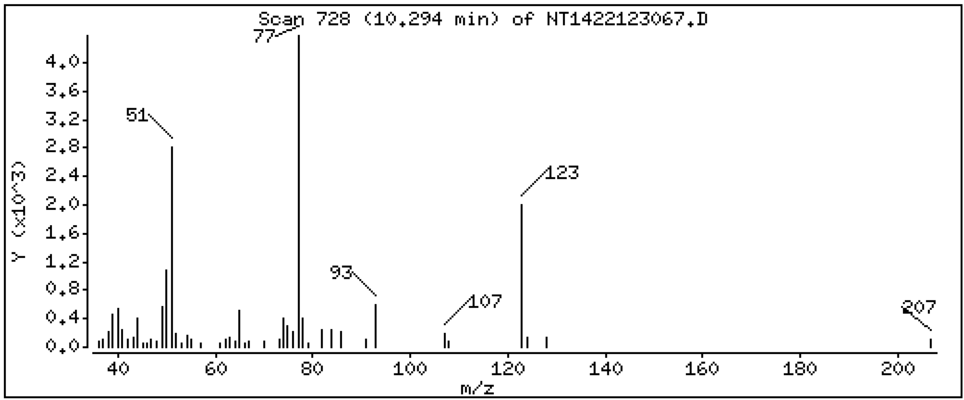
Client ID: Instrument: nt14.i

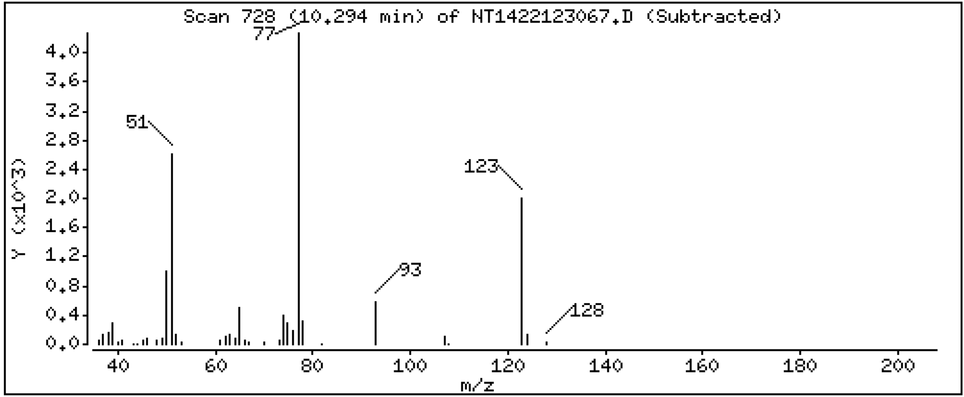
Sample Info: SKL0355-LCV3

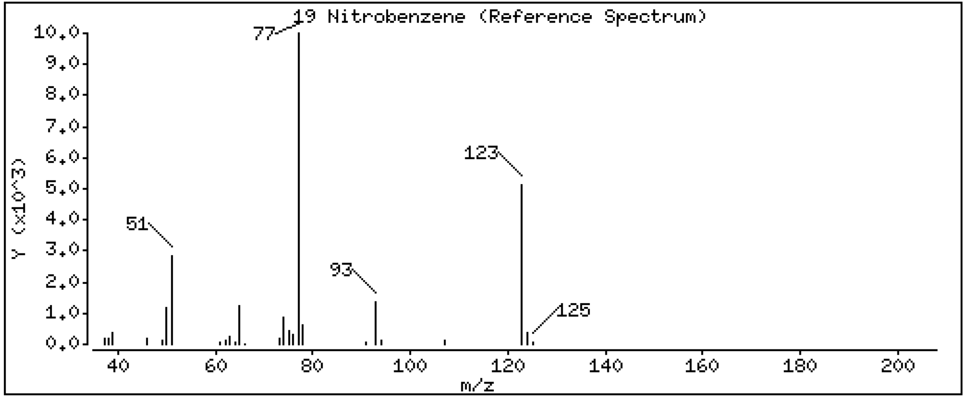
Operator: VTS

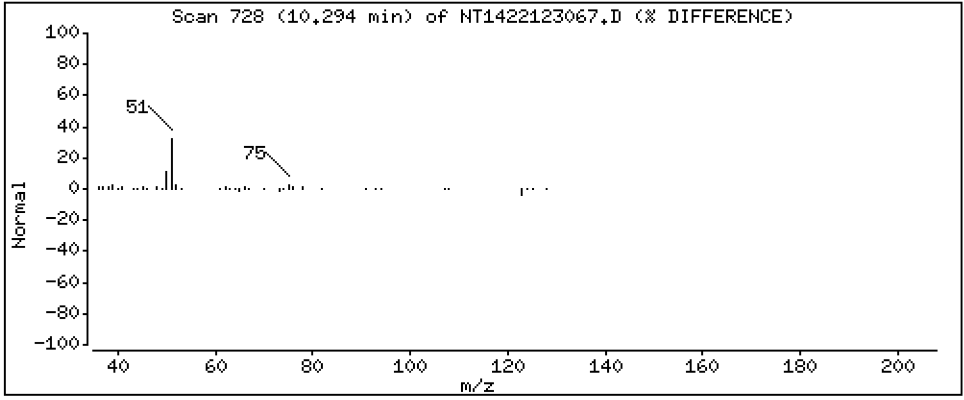
Column phase: ZB-5msi Column diameter: 0.25

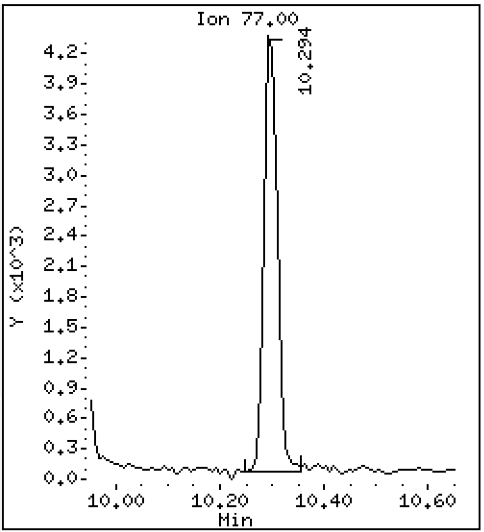
19 Nitrobenzene Concentration: 0.2230 ug/mL

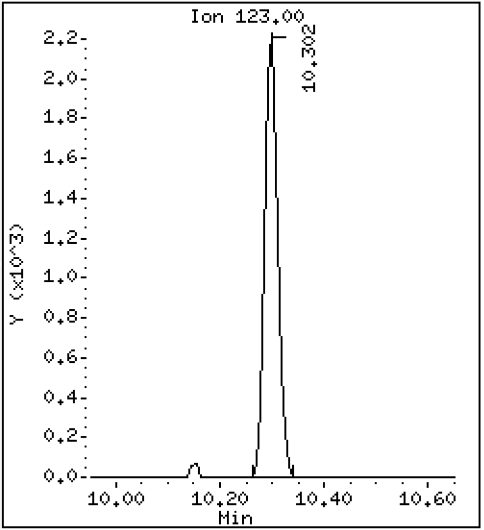


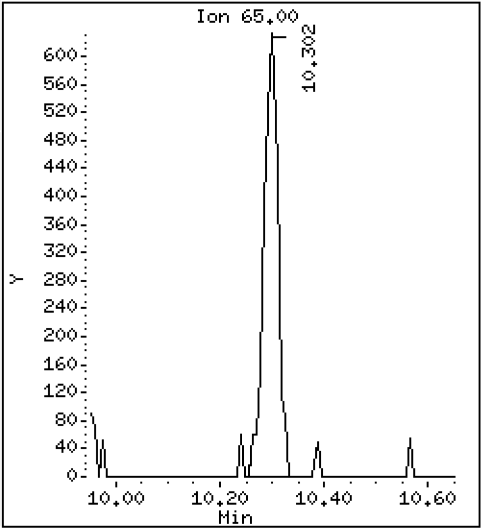












Data File: \\target\share\chem3\nt14.i\20221230C.b\NT1422123067.D

Date : 01-JAN-2023 00:06

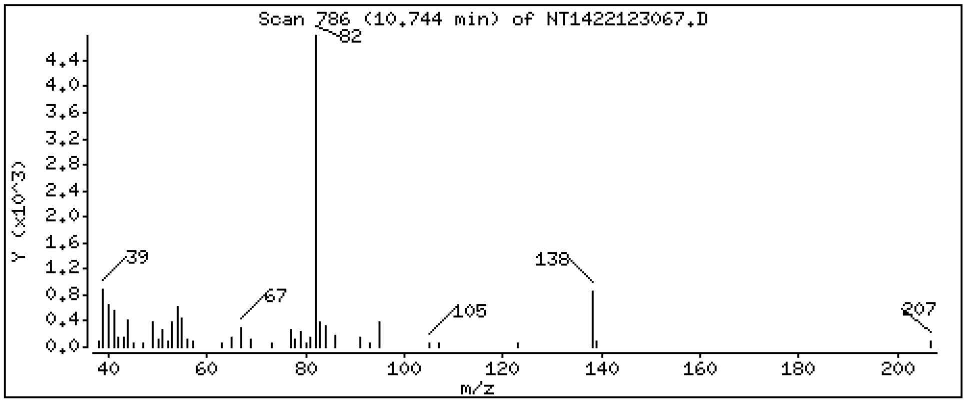
Client ID: Instrument: nt14.i

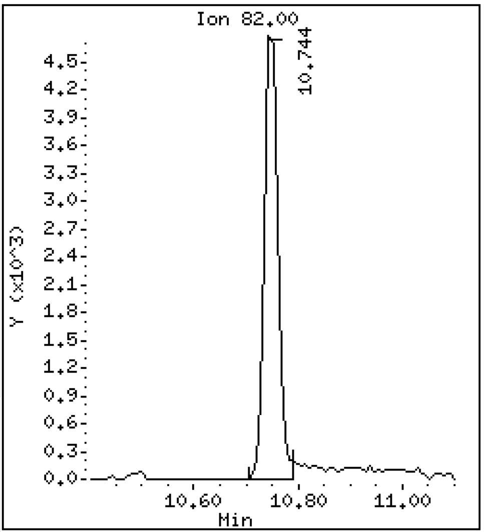
Sample Info: SKL0355-LCV3

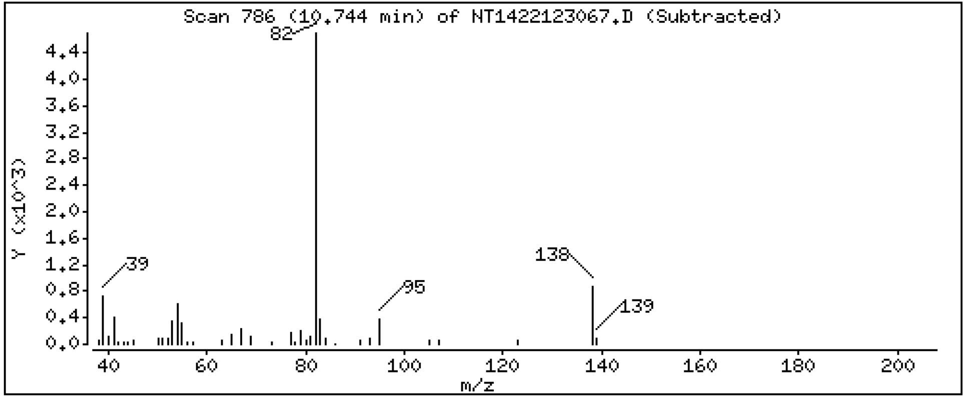
Operator: VTS

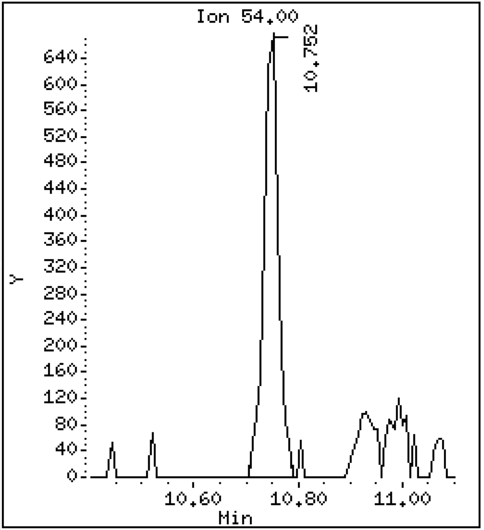
Column phase: ZB-5msi Column diameter: 0.25

20 Isophorone Concentration: 0.1972 ug/mL


Scan 786 (10.744 min) of NT1422123067.D


Ion 82.00


Scan 786 (10.744 min) of NT1422123067.D (Subtracted)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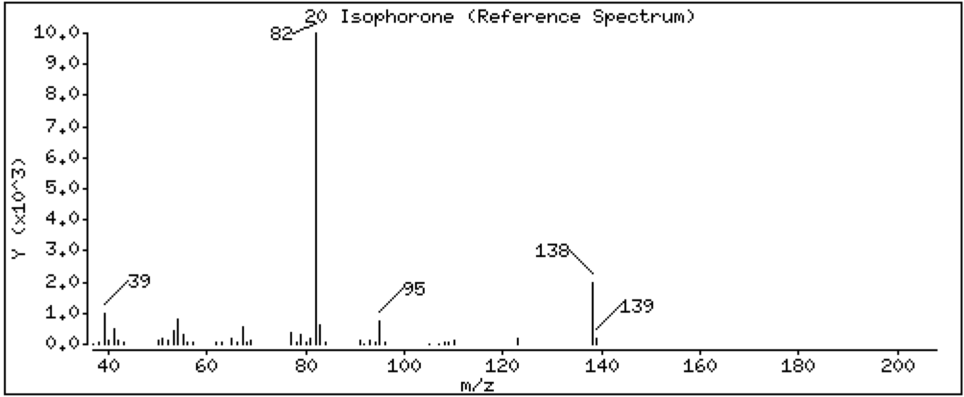
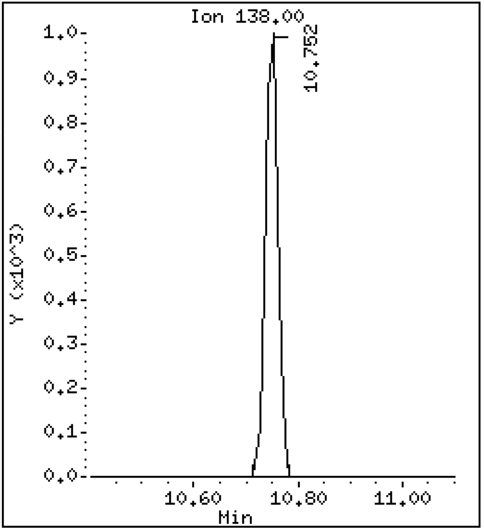
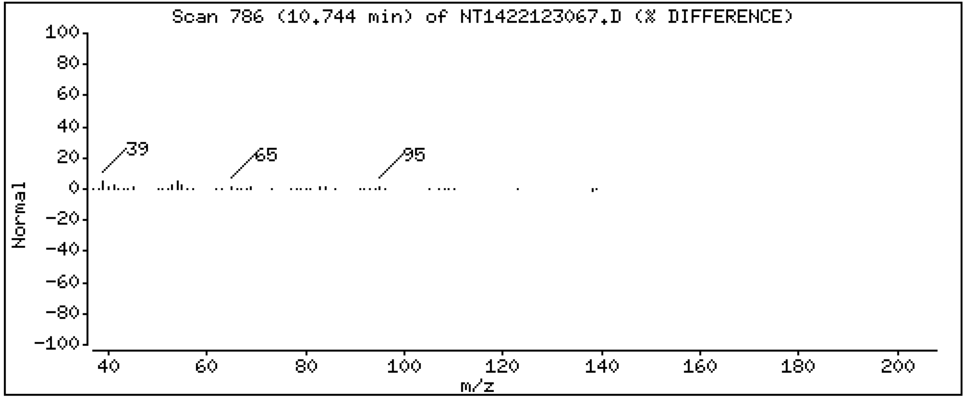

20 Isophorone (Reference Spectrum)


Ion 138.00


Scan 786 (10.744 min) of NT1422123067.D (% DIFFERENCE)

Data File: \\target\share\chem3\nt14.i\20221230C.b\NT1422123067.D

Date : 01-JAN-2023 00:06

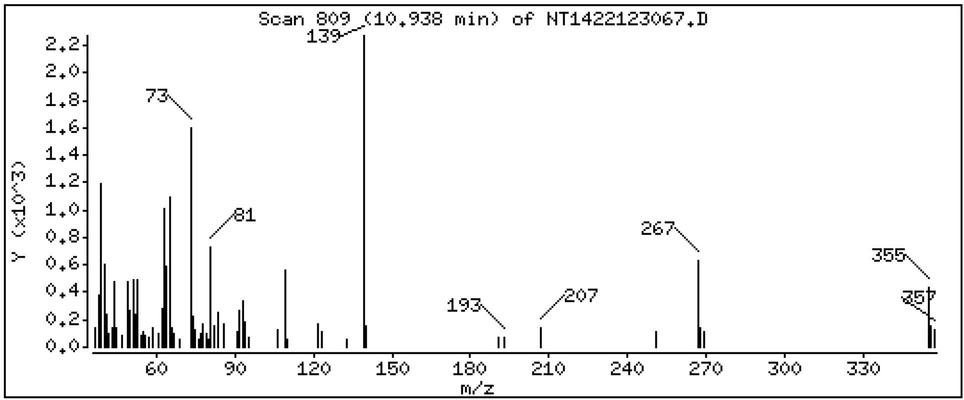
Client ID: Instrument: nt14.i

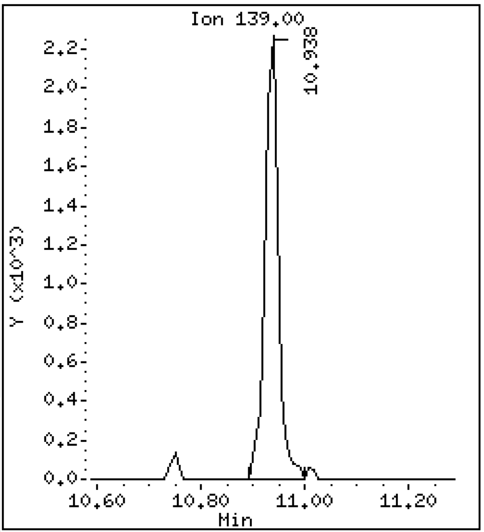
Sample Info: SKL0355-LCV3

Operator: VTS

Column phase: ZB-5msi Column diameter: 0.25

21 2-Nitrophenol Concentration: 0.2116 ug/mL


Scan 809 (10.938 min) of NT1422123067.D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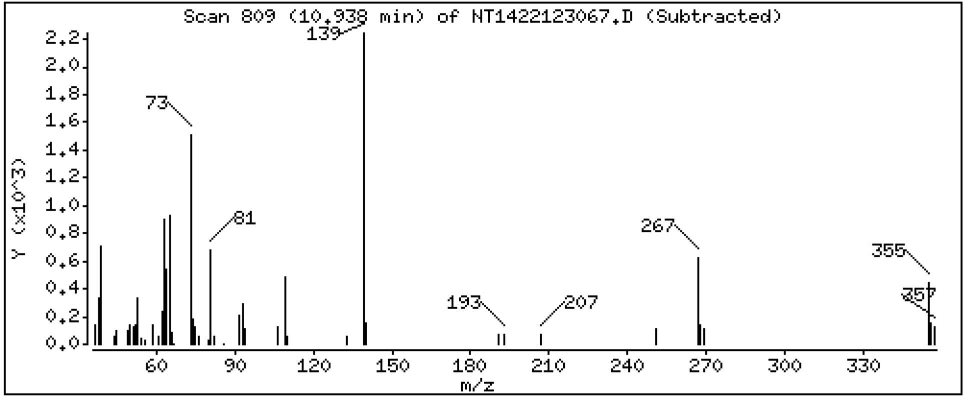
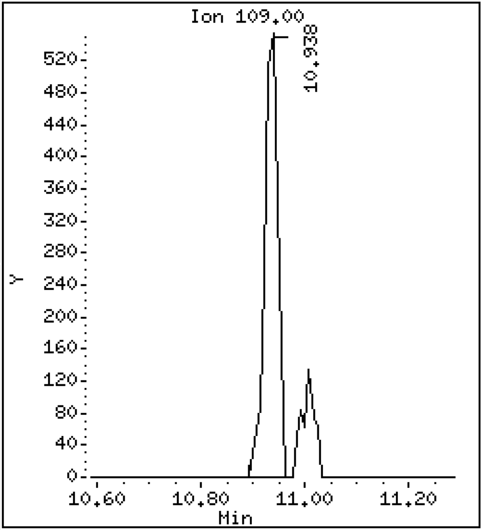

Scan 809 (10.938 min) of NT1422123067.D (Subtracted)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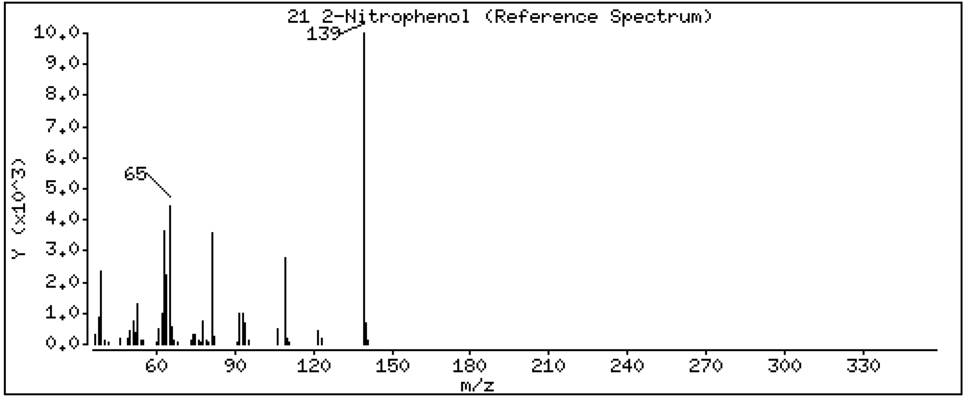
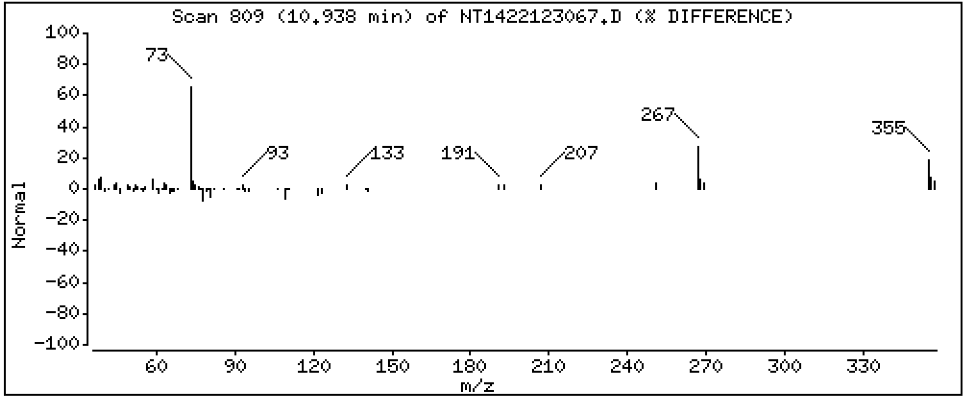
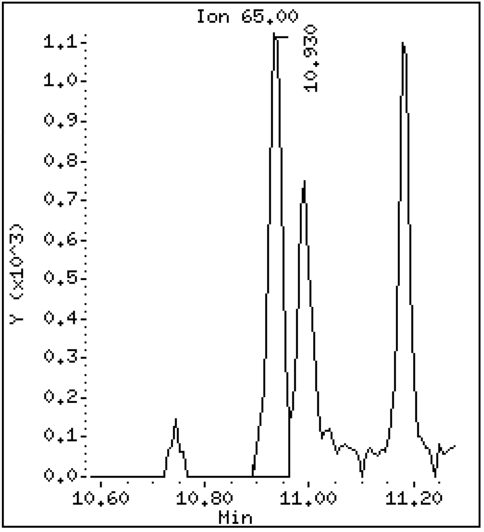

21 2-Nitrophenol (Reference Spectrum)


Scan 809 (10.938 min) of NT1422123067.D (% DIFFERENCE)


Ion 65.00

Data File: \\target\share\chem3\nt14.i\20221230C.b\NT1422123067.D

Date : 01-JAN-2023 00:06

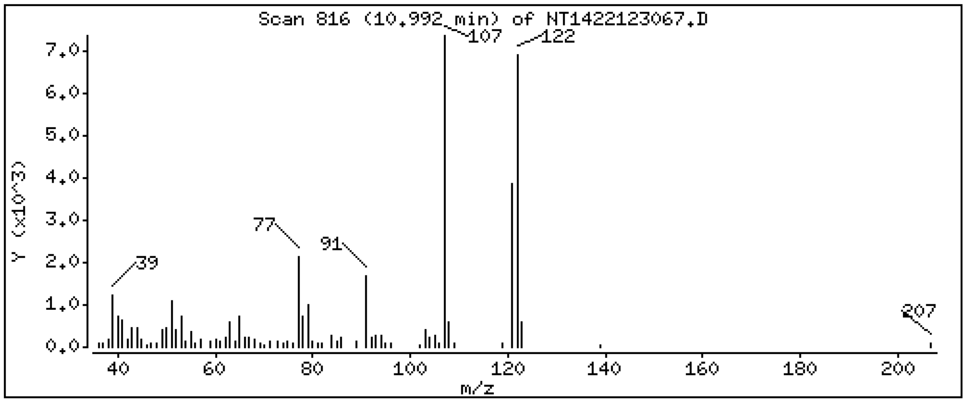
Client ID: Instrument: nt14.i

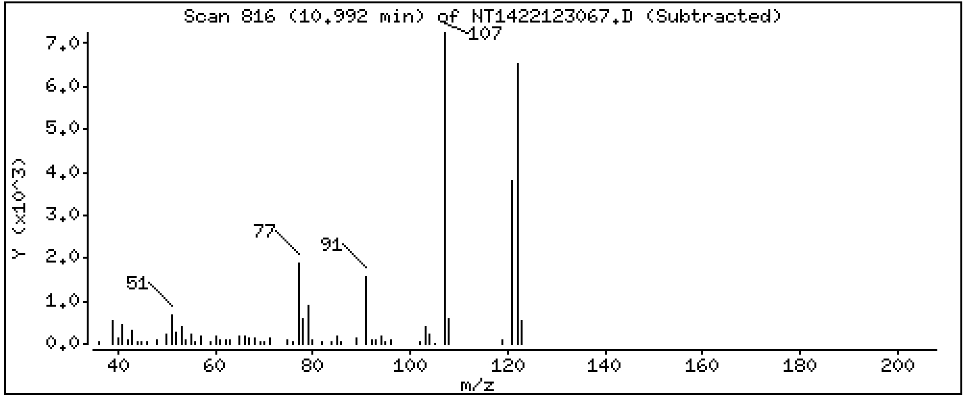
Sample Info: SKL0355-LCV3

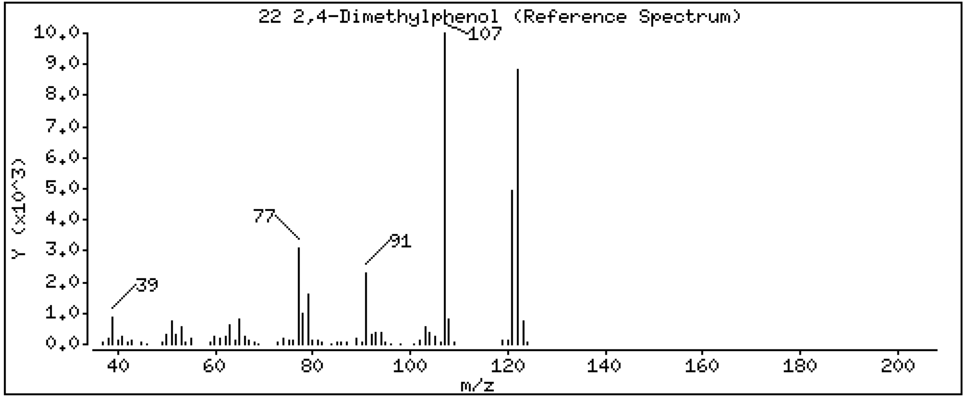
Operator: VTS

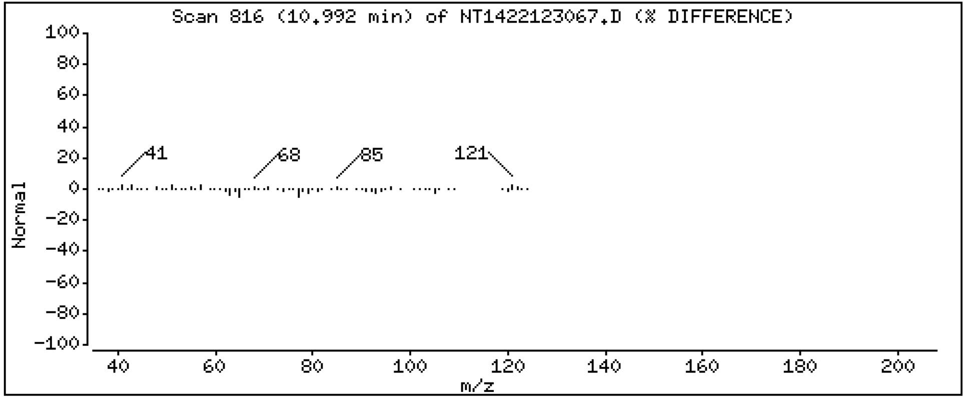
Column phase: ZB-5msi Column diameter: 0.25

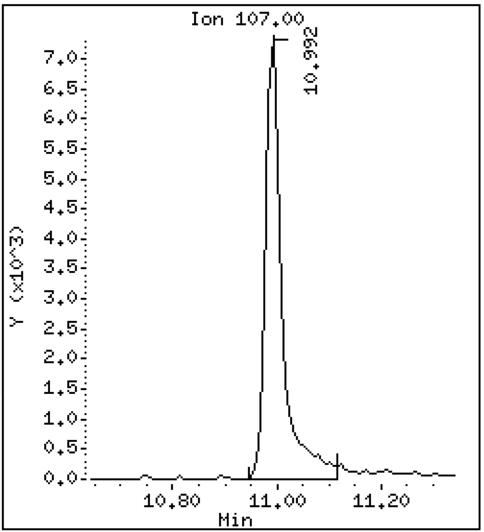
22 2,4-Dimethylphenol Concentration: 0.4590 ug/mL

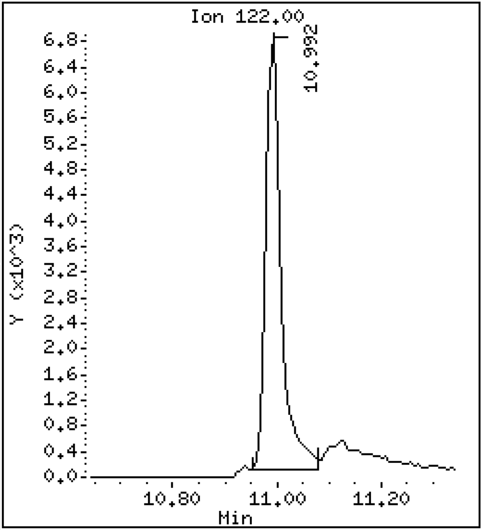

Scan 816 (10.992 min) of NT1422123067.D


Scan 816 (10.992 min) of NT1422123067.D (Subtracted)


22 2,4-Dimethylphenol (Reference Spectrum)


Scan 816 (10.992 min) of NT1422123067.D (% DIFFERENCE)


Ion 107.00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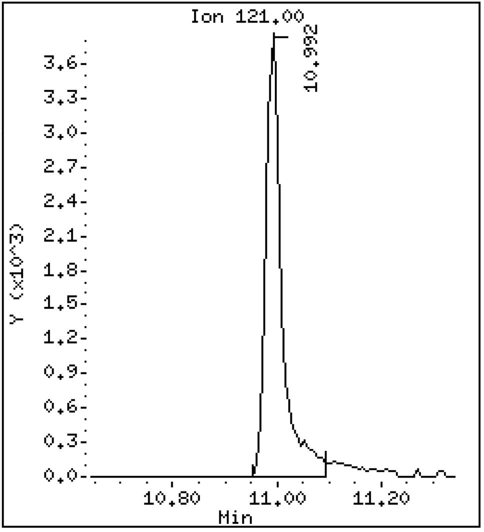

Ion 121.00

Data File: \\target\share\chem3\nt14.i\20221230C.b\NT1422123067.D

Date : 01-JAN-2023 00:06

Client ID: Instrument: nt14.i

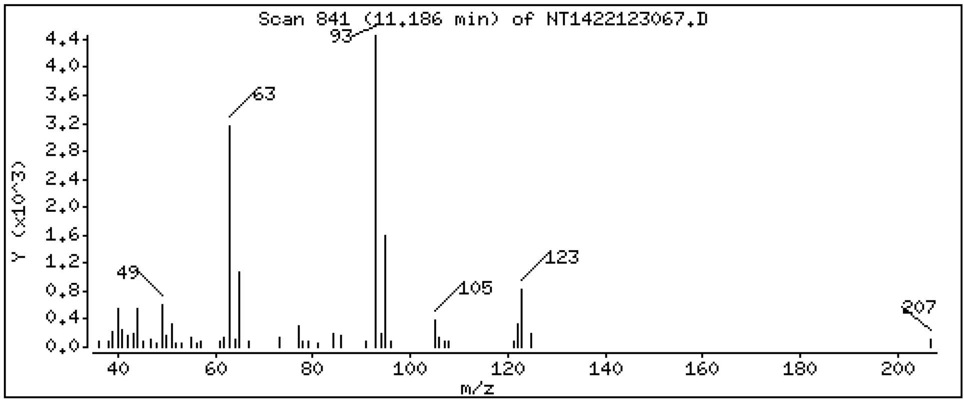
Sample Info: SKL0355-LCV3

Operator: VTS

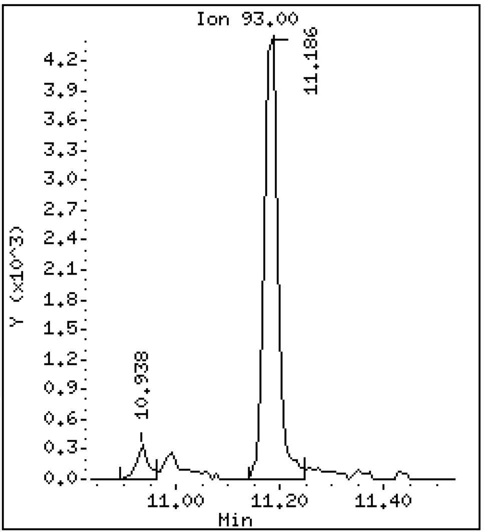
Column phase: ZB-5msi Column diameter: 0.25

23 Bis(2-Chloroethoxy)methane Concentration: 0.2359 ug/mL

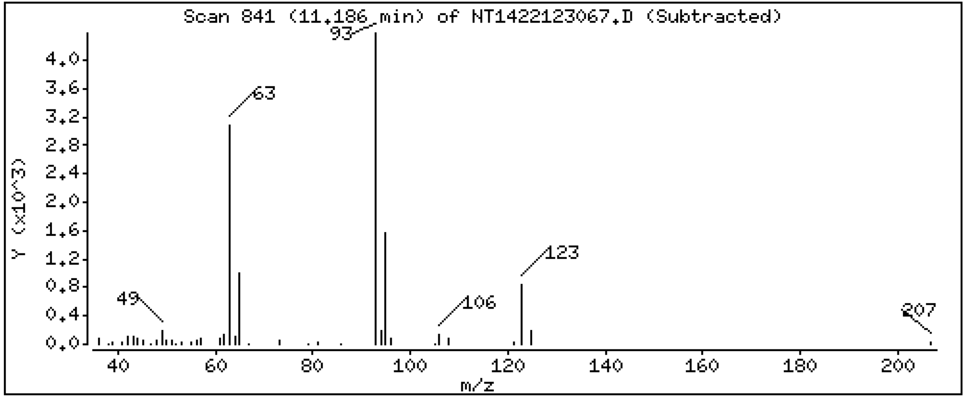
Scan 841 (11.186 min) of NT1422123067.D



Ion 93.00



Scan 841 (11.186 min) of NT1422123067.D (Subtracted)



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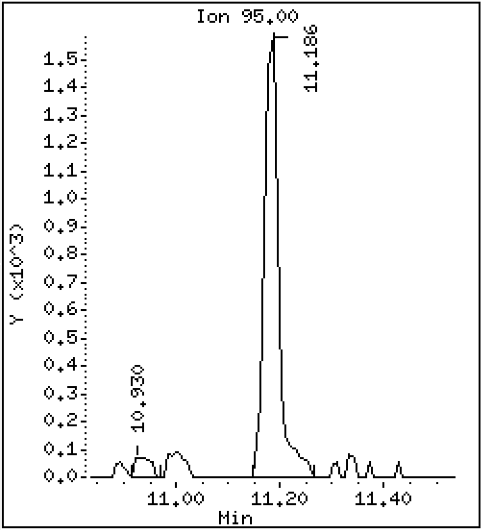
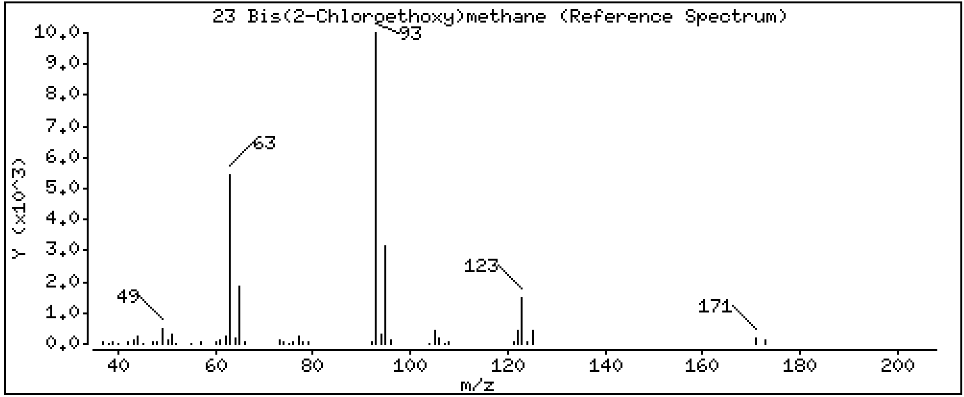
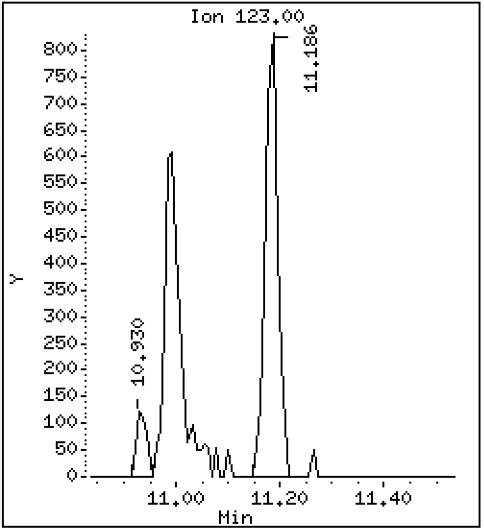


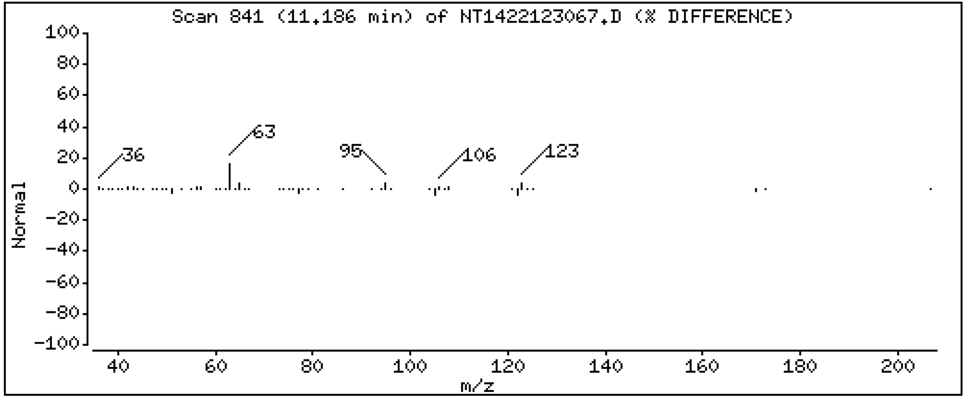
23 Bis(2-Chloroethoxy)methane (Reference Spectrum)



Ion 123.00



Scan 841 (11.186 min) of NT1422123067.D (% DIFFERENCE)



Data File: \\target\share\chem3\nt14.i\20221230C.b\NT1422123067.D

Date : 01-JAN-2023 00:06

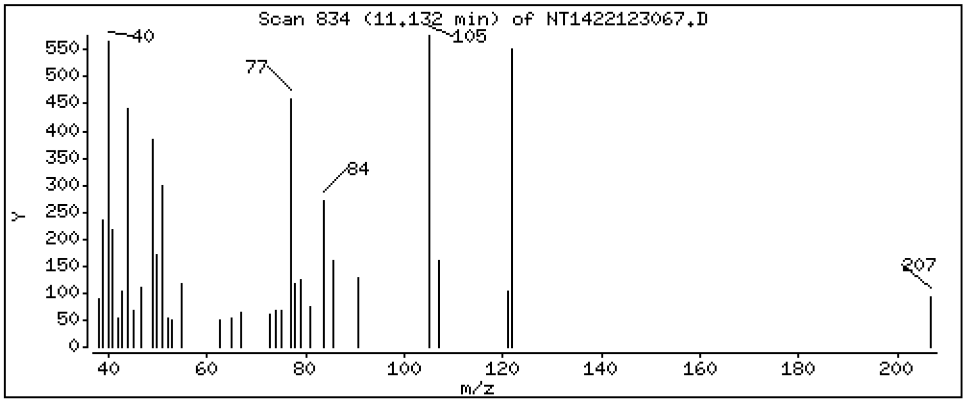
Client ID: Instrument: nt14.i

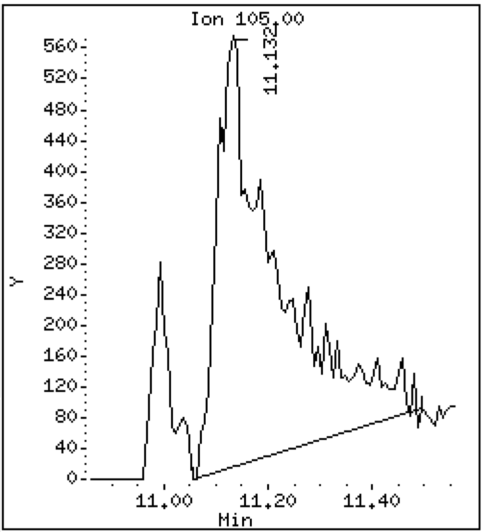
Sample Info: SKL0355-LCV3

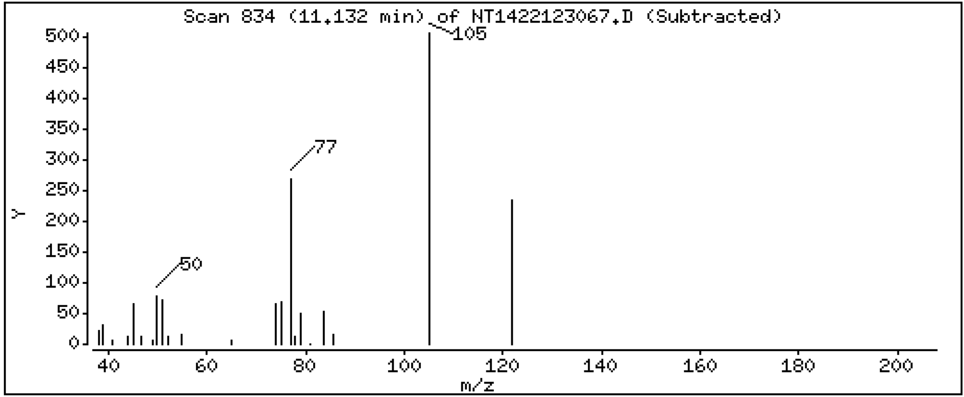
Operator: VTS

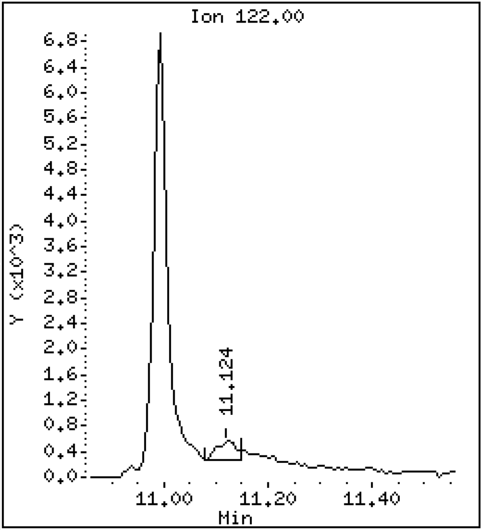
Column phase: ZB-5msi Column diameter: 0.25

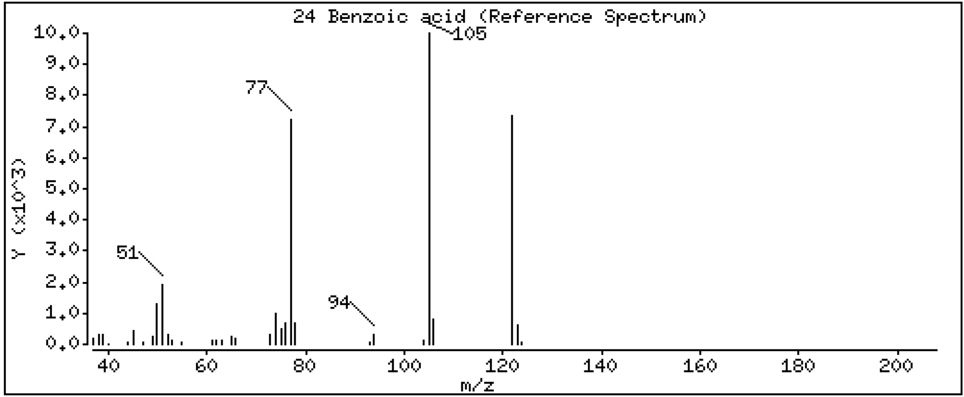
24 Benzoic acid Concentration: 0.2097 ug/mL

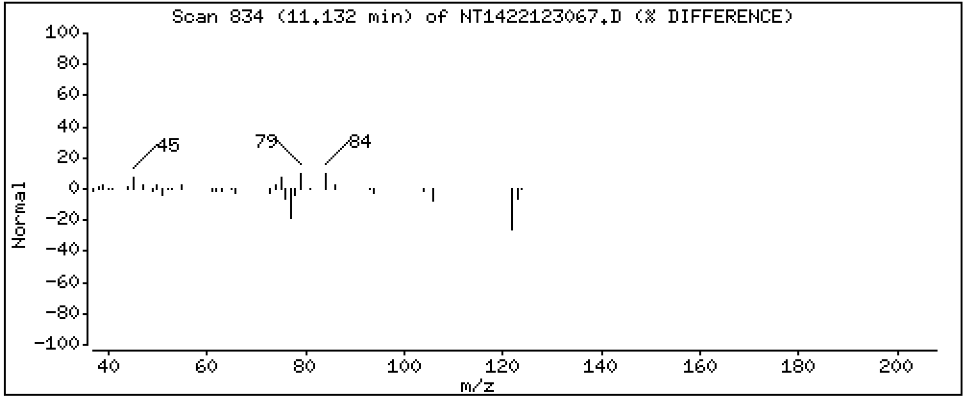


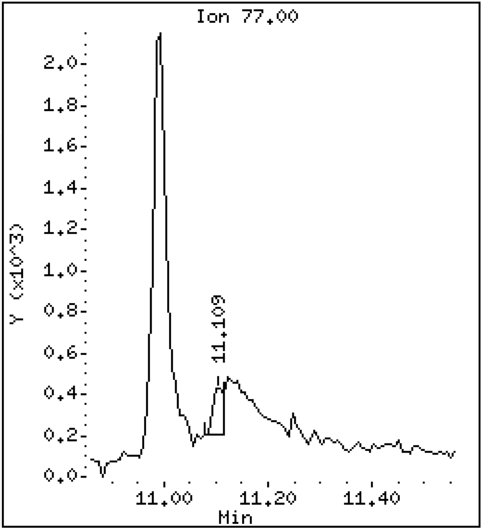












Data File: \\target\share\chem3\nt14.i\20221230C.b\NT1422123067.D

Date : 01-JAN-2023 00:06

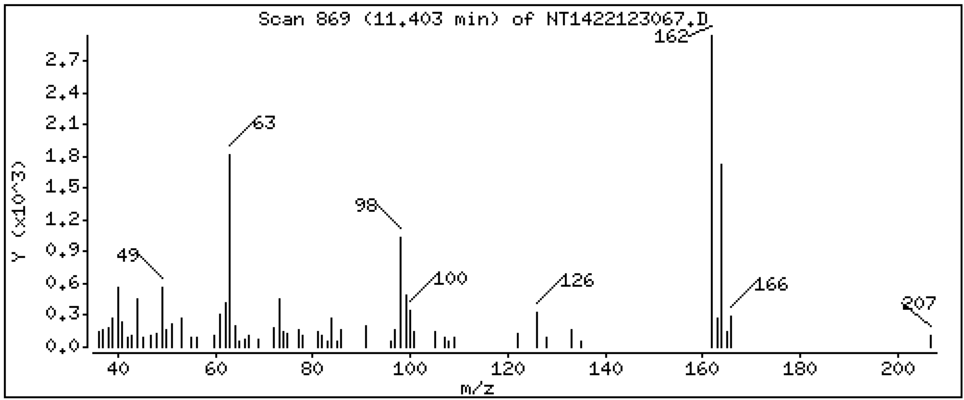
Client ID: Instrument: nt14.i

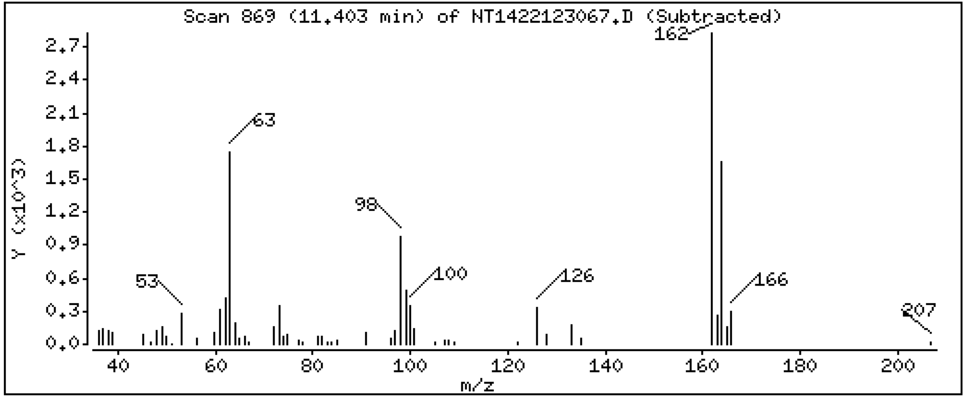
Sample Info: SKL0355-LCV3

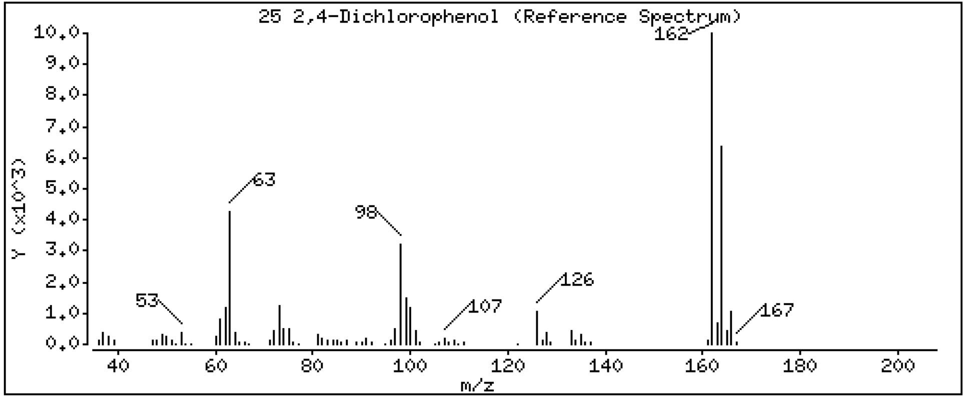
Operator: VTS

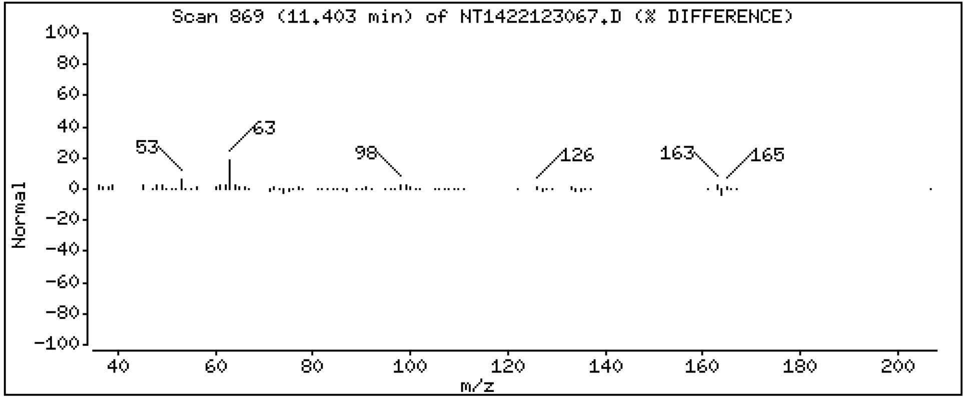
Column phase: ZB-5msi Column diameter: 0.25

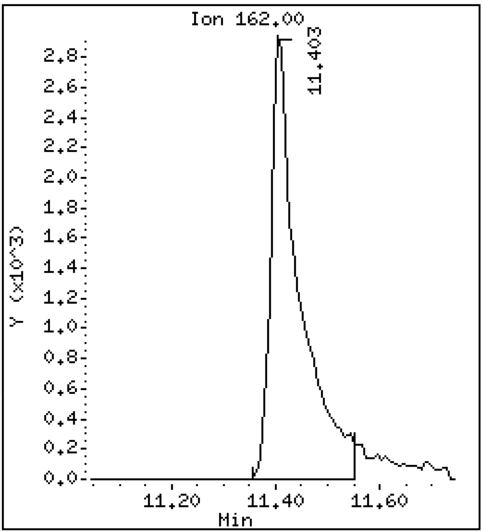
25 2,4-Dichlorophenol Concentration: 0.4100 ug/mL

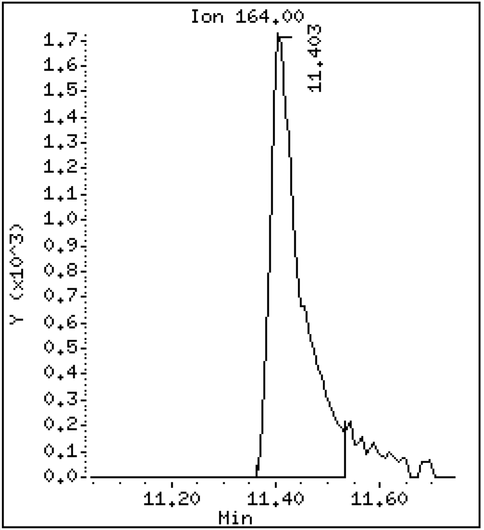

Scan 869 (11.403 min) of NT1422123067.D

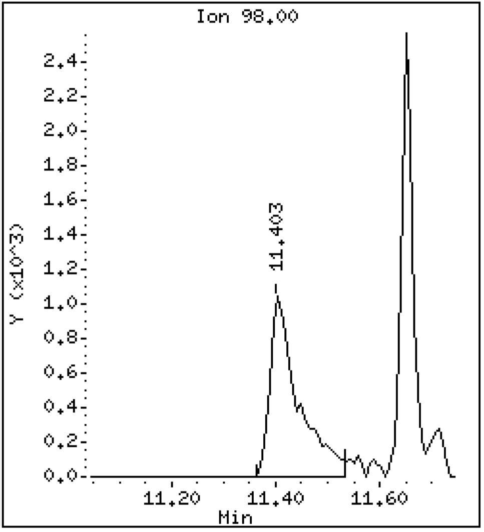

Scan 869 (11.403 min) of NT1422123067.D (Subtracted)


25 2,4-Dichlorophenol (Reference Spectrum)


Scan 869 (11.403 min) of NT1422123067.D (% DIFFERENCE)


Ion 162.00


Ion 164.00


Ion 98.00

Data File: \\target\share\chem3\nt14.i\20221230C.b\NT1422123067.D

Date : 01-JAN-2023 00:06

Client ID:

Instrument: nt14.i

Sample Info: SKL0355-LCV3

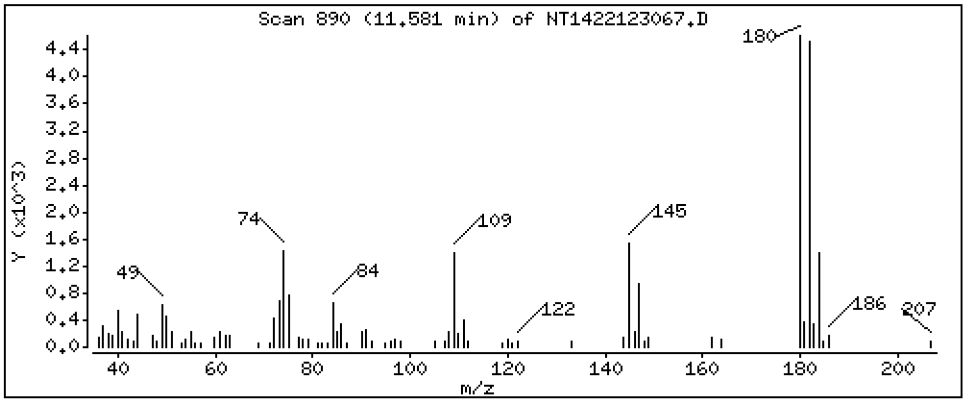
Operator: VTS

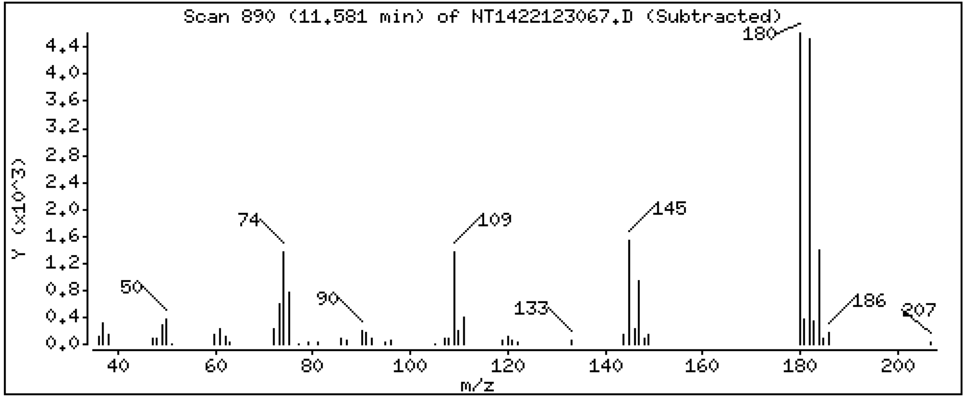
Column phase: ZB-5msi

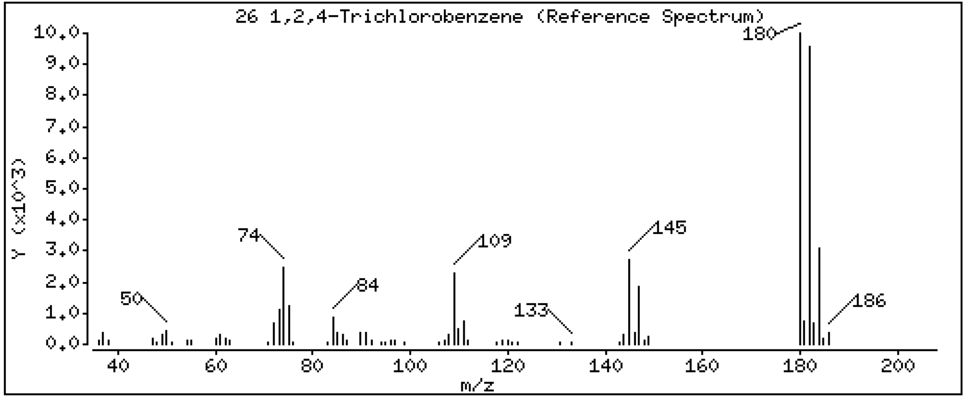
Column diameter: 0.25

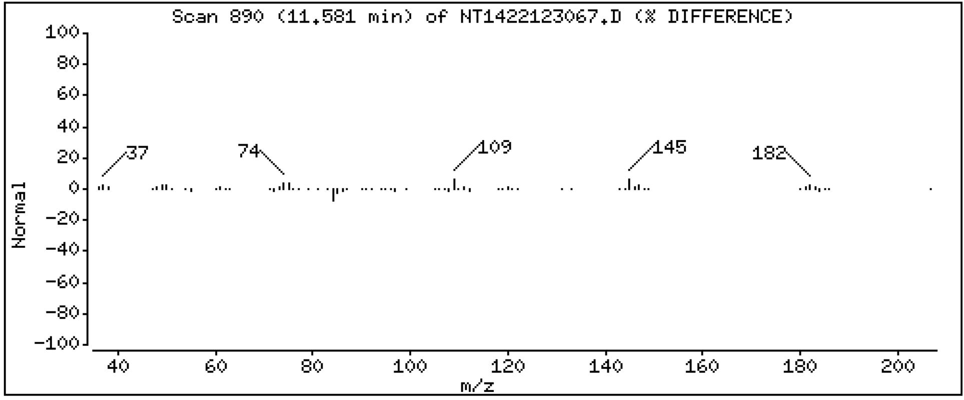
26 1,2,4-Trichlorobenzene

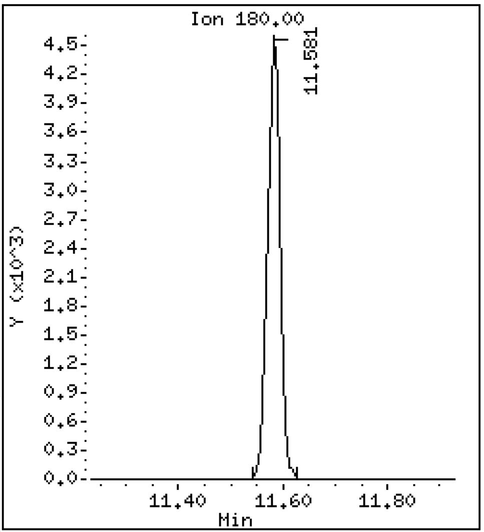
Concentration: 0.2401 ug/mL

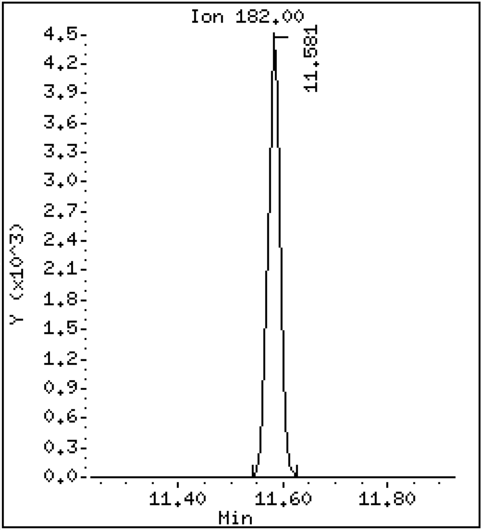

Scan 890 (11.581 min) of NT1422123067.D

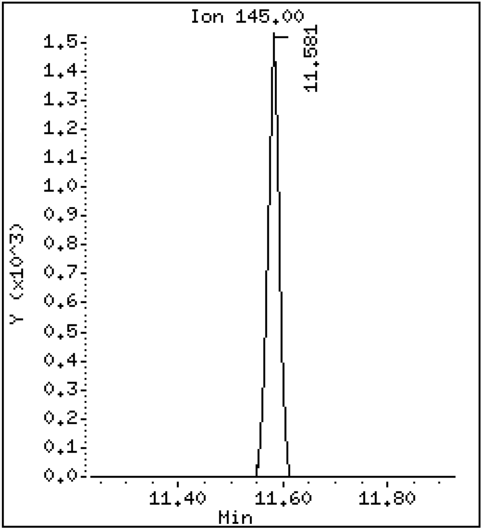

Scan 890 (11.581 min) of NT1422123067.D (Subtracted)


26 1,2,4-Trichlorobenzene (Reference Spectrum)


Scan 890 (11.581 min) of NT1422123067.D (% DIFFERENCE)


Ion 180.00


Ion 182.00


Ion 145.00

Data File: \\target\share\chem3\nt14.i\20221230C.b\NT1422123067.D

Date : 01-JAN-2023 00:06

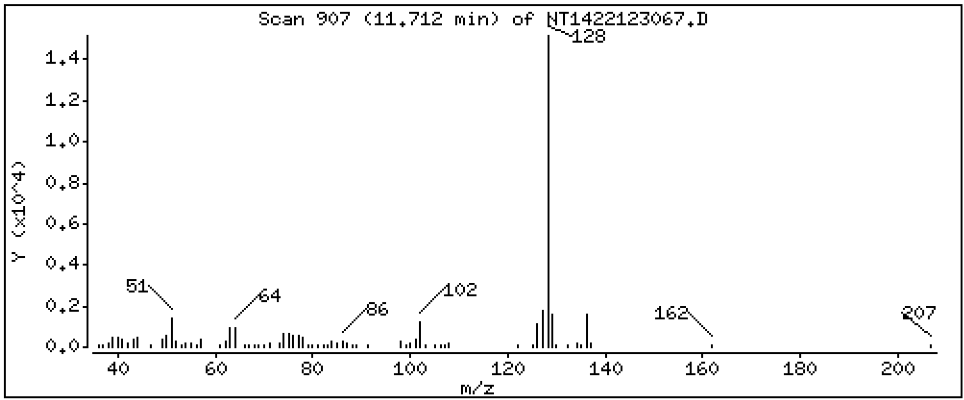
Client ID: Instrument: nt14.i

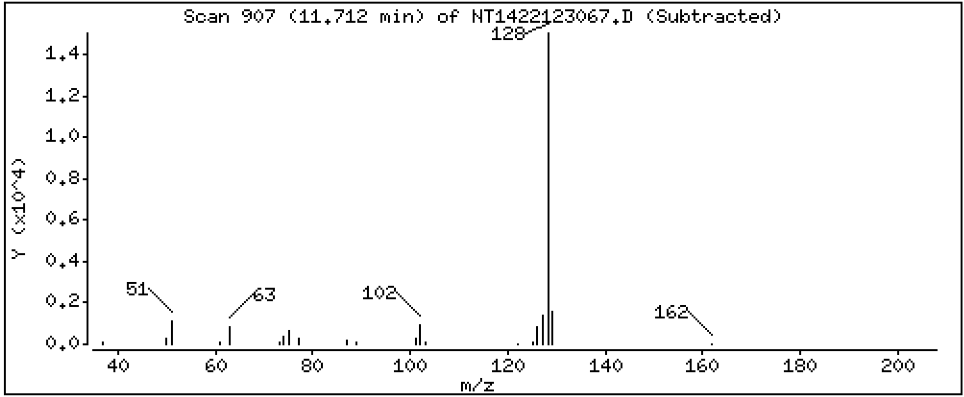
Sample Info: SKL0355-LCV3

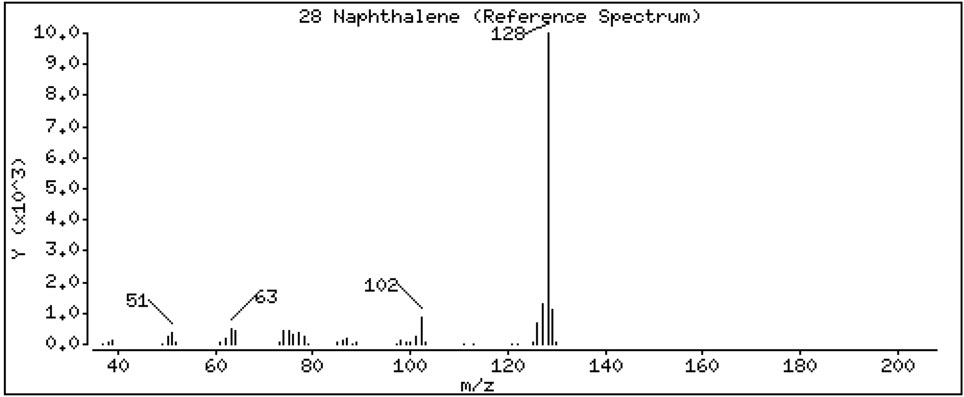
Operator: VTS

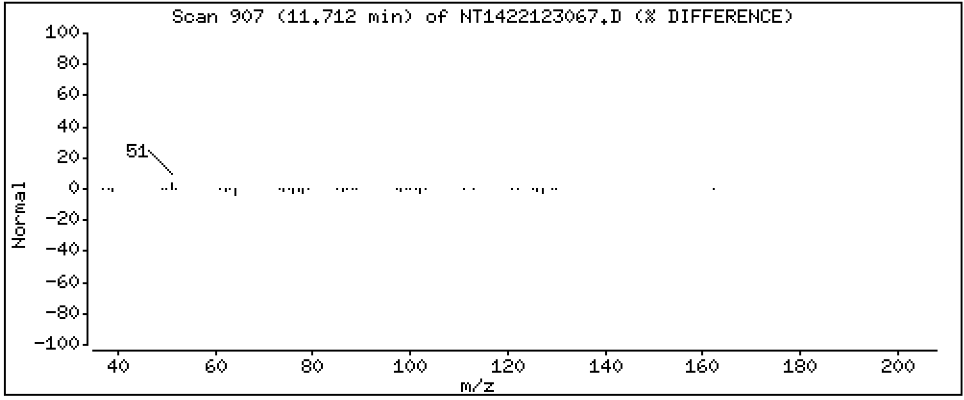
Column phase: ZB-5msi Column diameter: 0.25

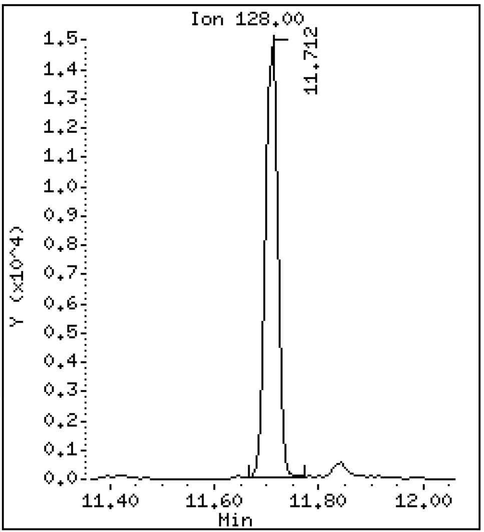
28 Naphthalene Concentration: 0.2355 ug/mL

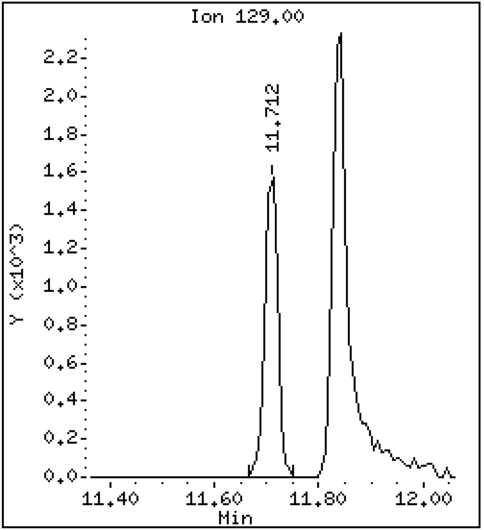

Scan 907 (11.712 min) of NT1422123067.D


Scan 907 (11.712 min) of NT1422123067.D (Subtracted)


28 Naphthalene (Reference Spectrum)


Scan 907 (11.712 min) of NT1422123067.D (% DIFFERENCE)


Ion 128.00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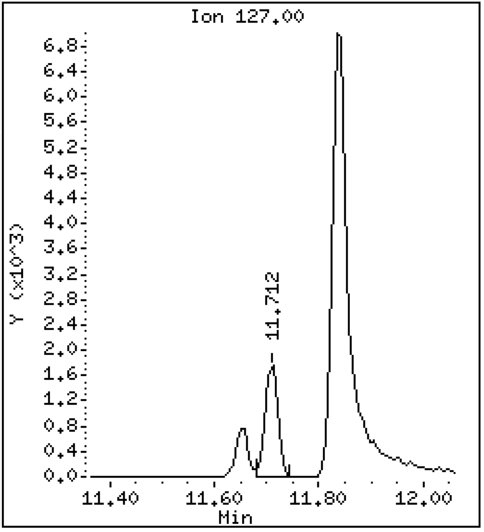

Ion 127.00

Data File: \\target\share\chem3\nt14.i\20221230C.b\NT1422123067.D

Date : 01-JAN-2023 00:06

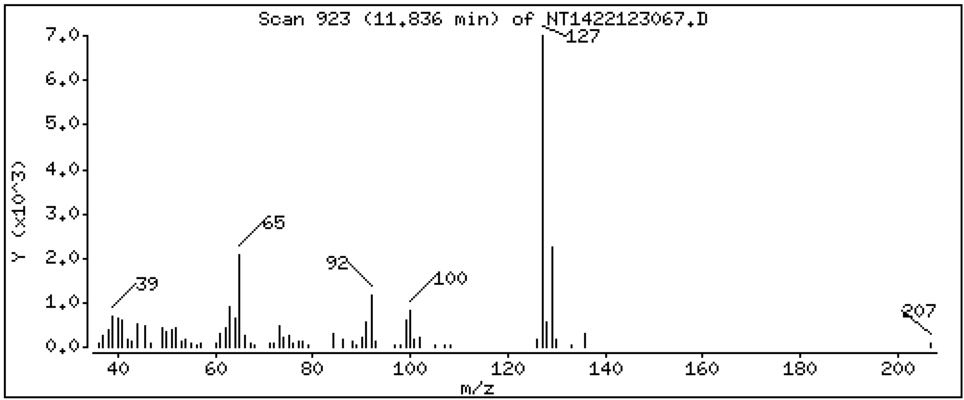
Client ID: Instrument: nt14.i

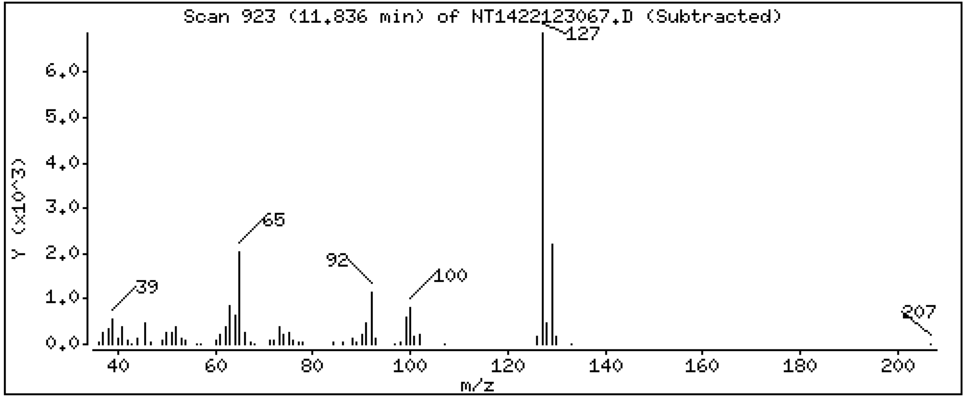
Sample Info: SKL0355-LCV3

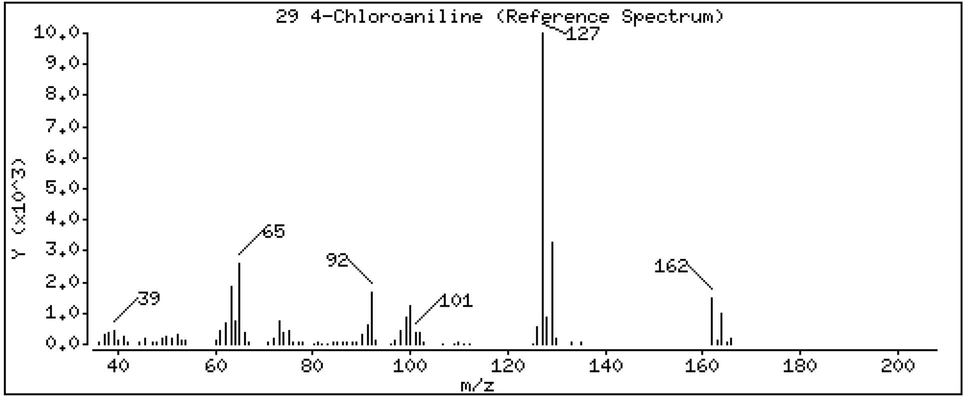
Operator: VTS

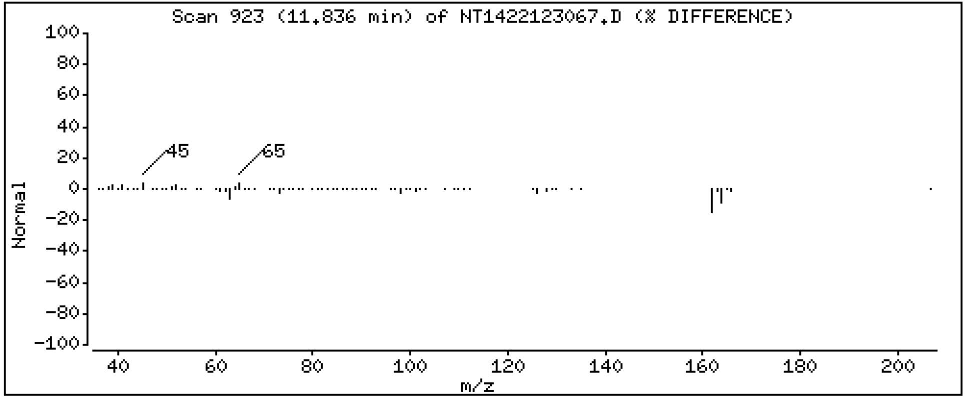
Column phase: ZB-5msi Column diameter: 0.25

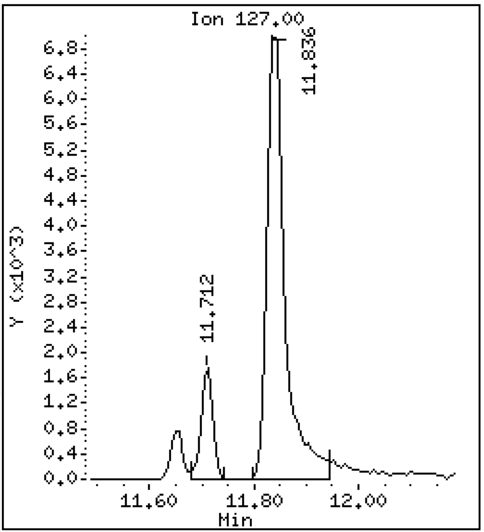
29 4-Chloroaniline Concentration: 0.4051 ug/mL

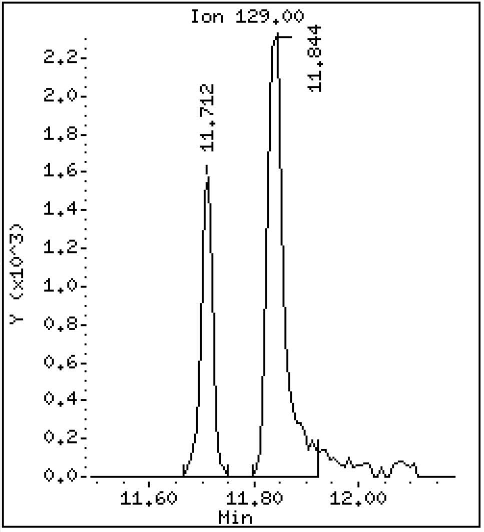

Scan 923 (11.836 min) of NT1422123067.D


Scan 923 (11.836 min) of NT1422123067.D (Subtracted)


29 4-Chloroaniline (Reference Spectrum)


Scan 923 (11.836 min) of NT1422123067.D (% DIFFERENCE)


Ion 127.00


Ion 129.00

Data File: \\target\share\chem3\nt14.i\20221230C.b\NT1422123067.D

Date : 01-JAN-2023 00:06

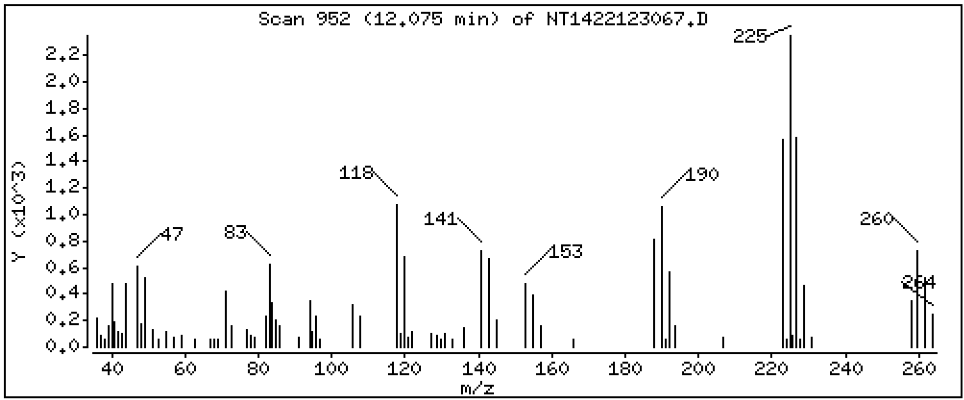
Client ID: Instrument: nt14.i

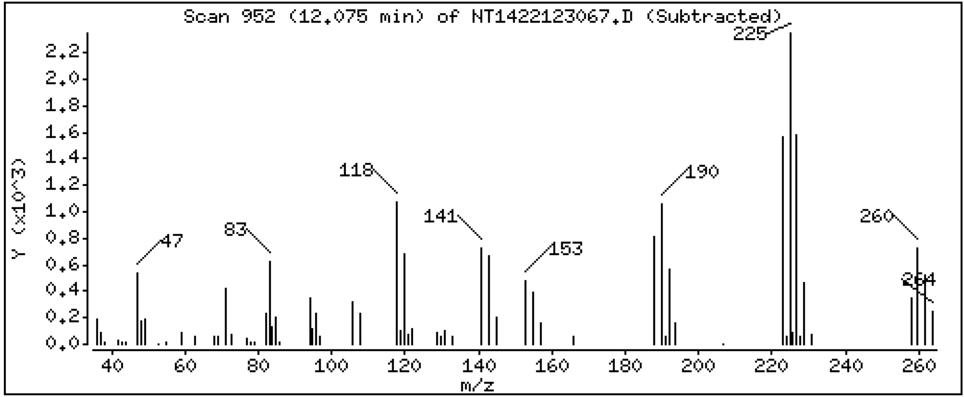
Sample Info: SKL0355-LCV3

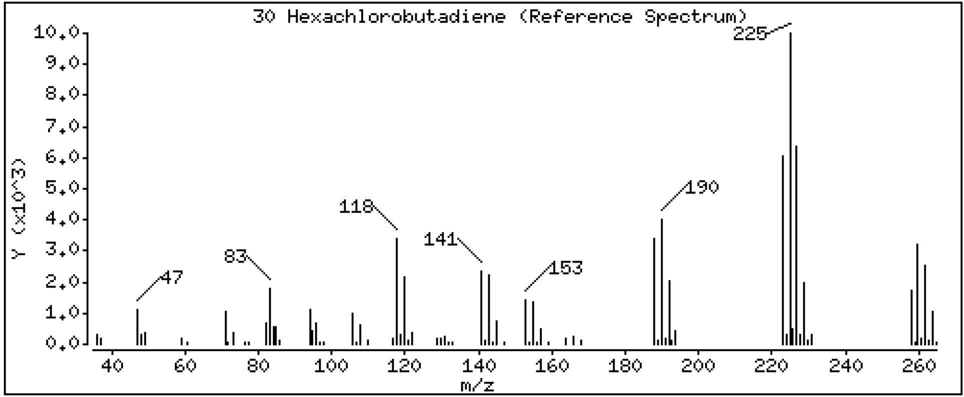
Operator: VTS

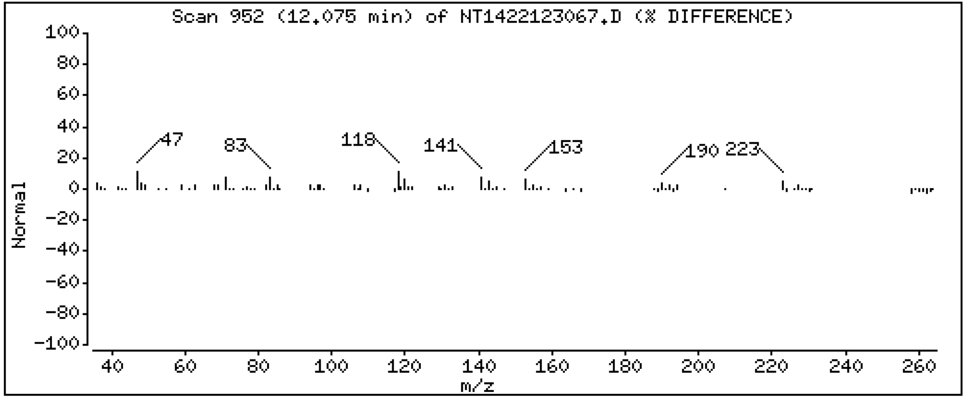
Column phase: ZB-5msi Column diameter: 0.25

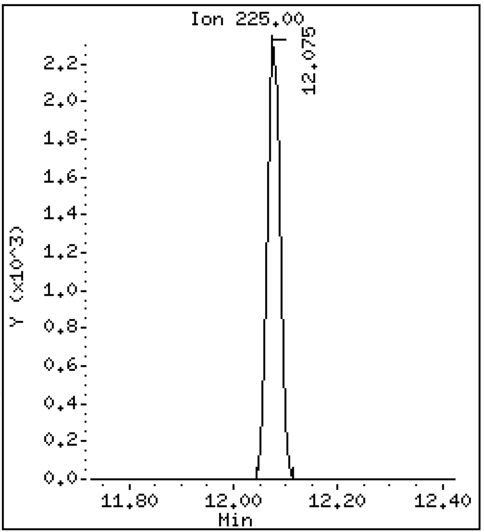
30 Hexachlorobutadiene Concentration: 0.2380 ug/mL

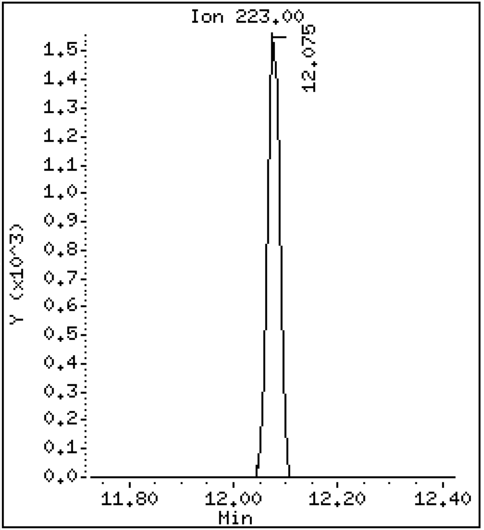


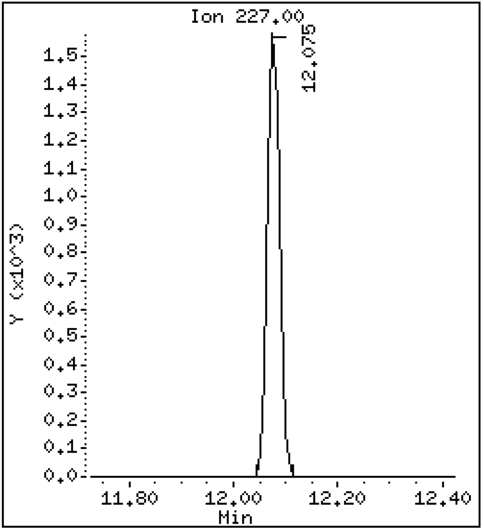












Data File: \\target\share\chem3\nt14.i\20221230C.b\NT1422123067.D

Date : 01-JAN-2023 00:06

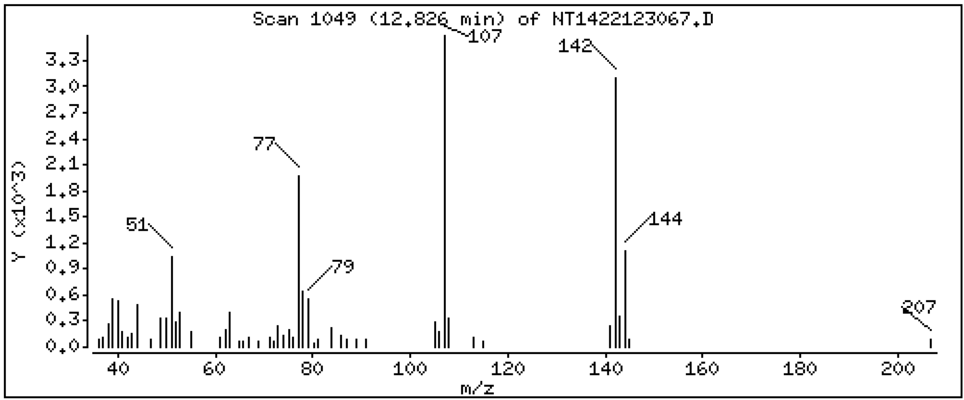
Client ID: Instrument: nt14.i

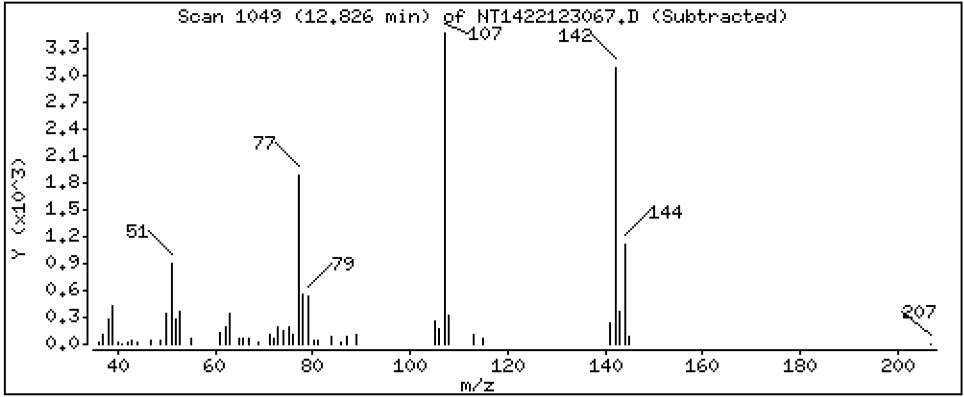
Sample Info: SKL0355-LCV3

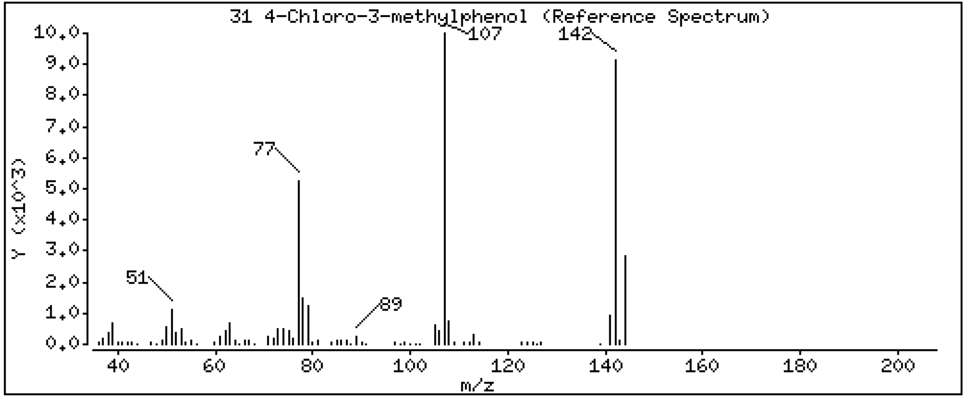
Operator: VTS

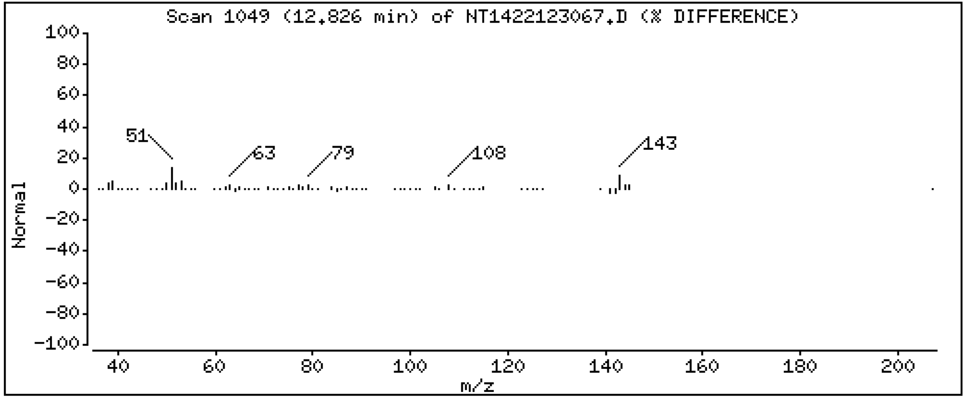
Column phase: ZB-5msi Column diameter: 0.25

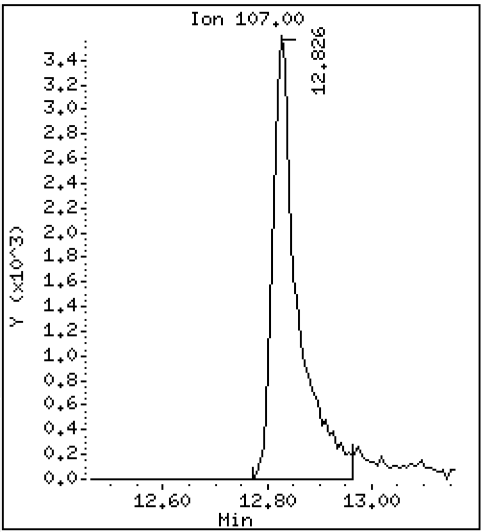
31 4-Chloro-3-methylphenol Concentration: 0.4327 ug/mL

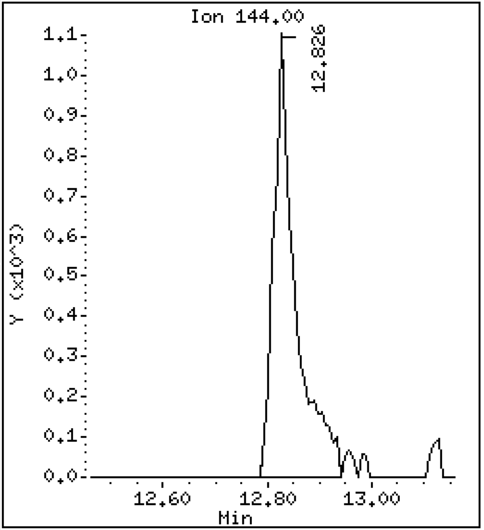

Scan 1049 (12.826 min) of NT1422123067.D

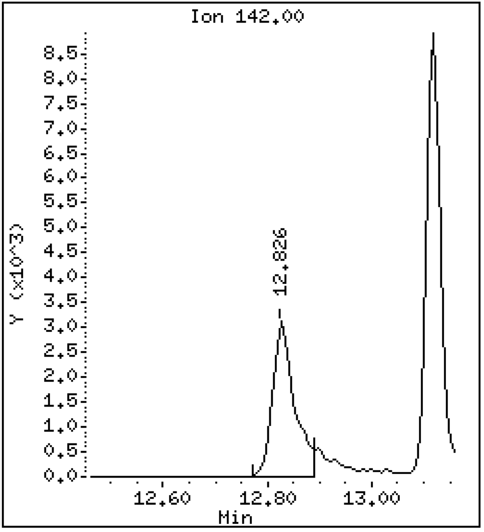

Scan 1049 (12.826 min) of NT1422123067.D (Subtracted)


31 4-Chloro-3-methylphenol (Reference Spectrum)


Scan 1049 (12.826 min) of NT1422123067.D (% DIFFERENCE)


Ion 107.00


Ion 144.00


Ion 142.00

Data File: \\target\share\chem3\nt14.i\20221230C.b\NT1422123067.D

Date : 01-JAN-2023 00:06

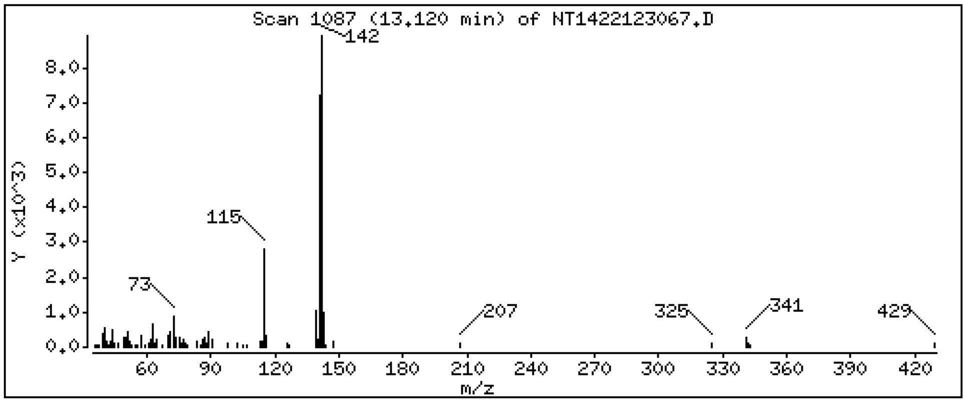
Client ID: Instrument: nt14.i

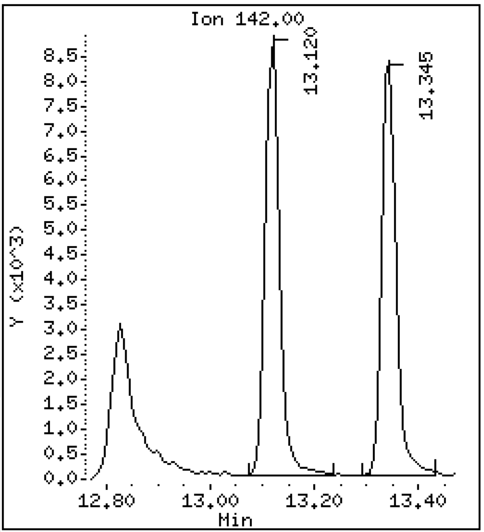
Sample Info: SKL0355-LCV3

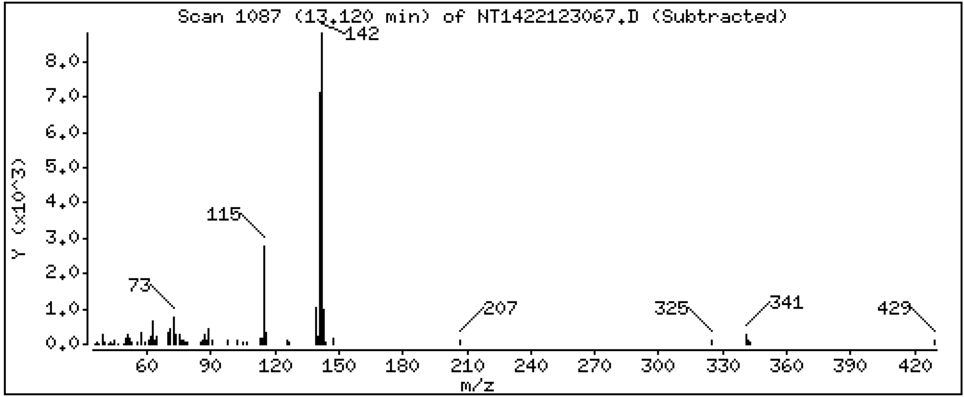
Operator: VTS

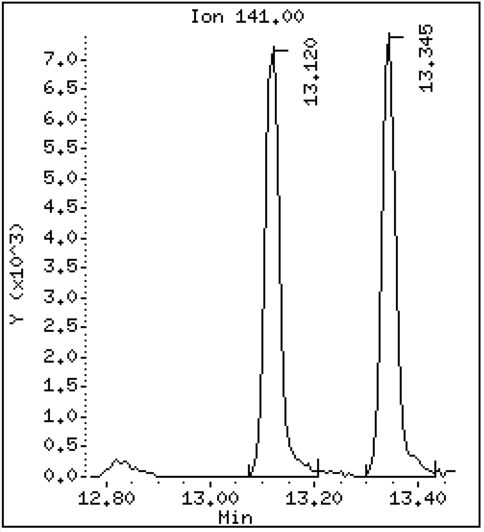
Column phase: ZB-5msi Column diameter: 0.25

32 2-Methylnaphthalene Concentration: 0.2270 ug/mL


Scan 1087 (13.120 min) of NT1422123067.D


Ion 142.00


Scan 1087 (13.120 min) of NT1422123067.D (Subtracted)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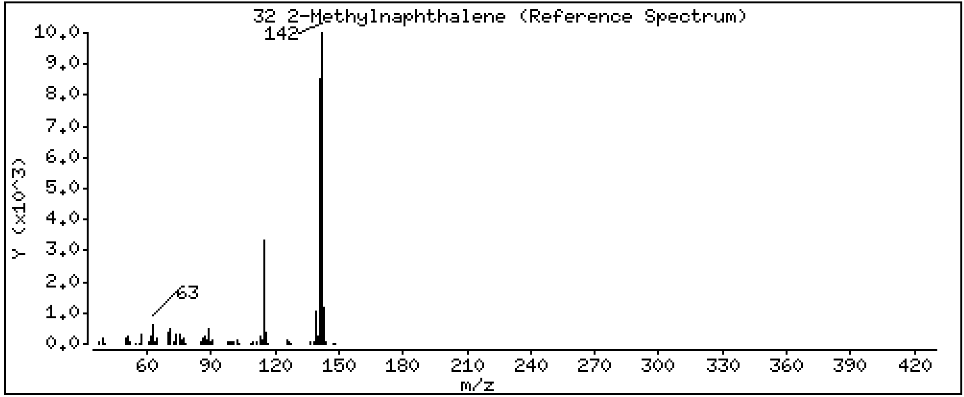
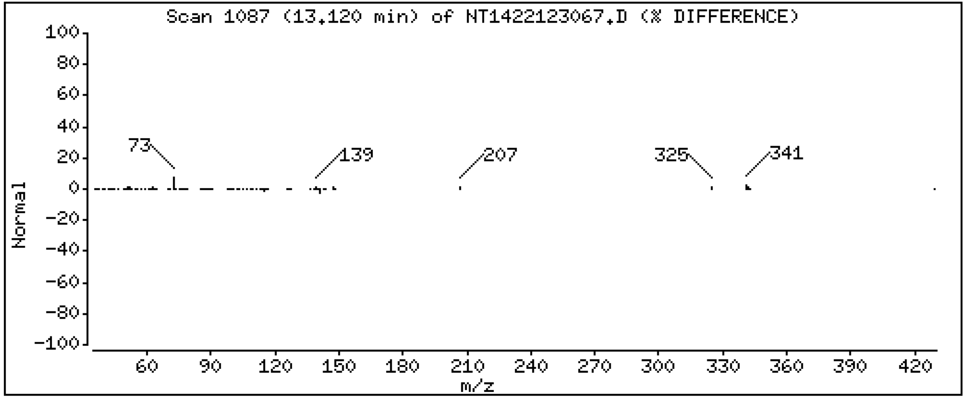

32 2-Methylnaphthalene (Reference Spectrum)


Scan 1087 (13.120 min) of NT1422123067.D (% DIFFERENCE)

Data File: \\target\share\chem3\nt14.i\20221230C.b\NT1422123067.D Page 27

Date : 01-JAN-2023 00:06

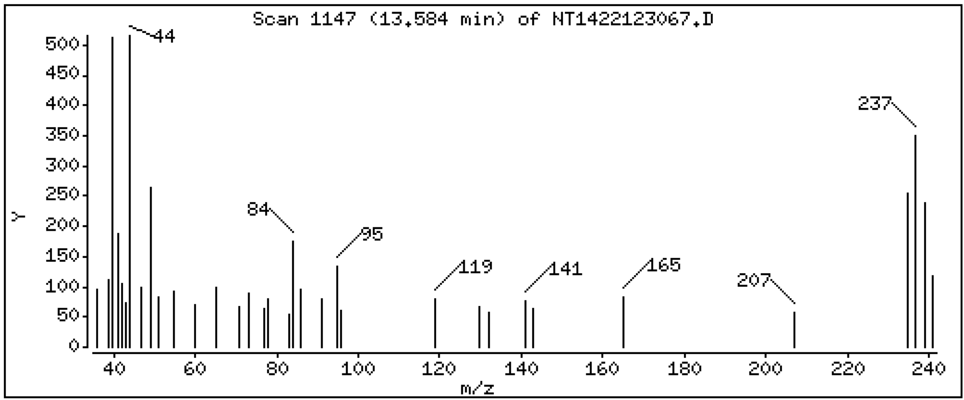
Client ID: Instrument: nt14.i

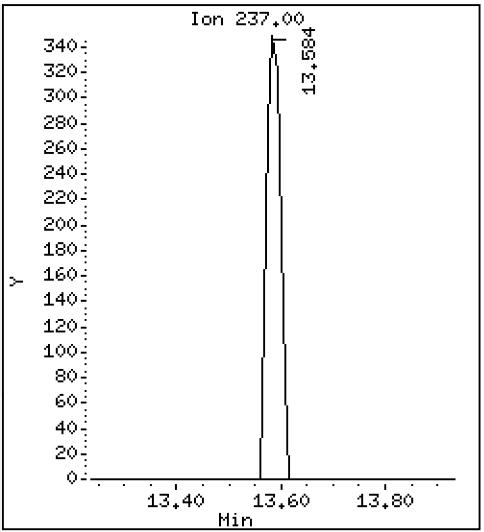
Sample Info: SKL0355-LCV3

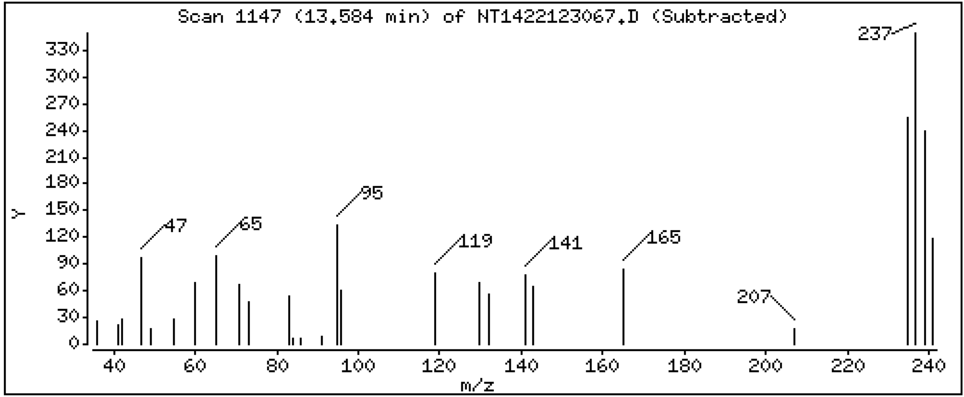
Operator: VTS

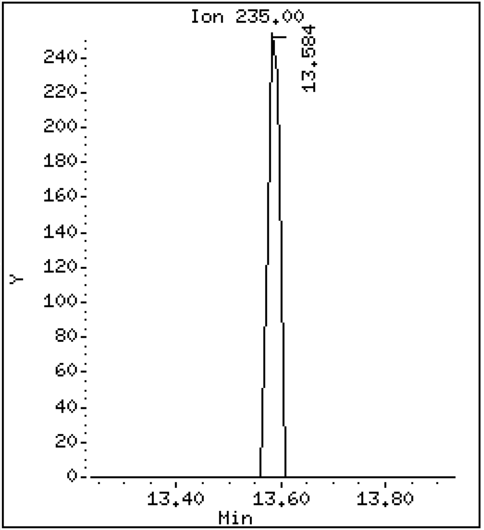
Column phase: ZB-5msi Column diameter: 0.25

33 Hexachlorocyclopentadiene Concentration: 0.04042 ug/mL


Scan 1147 (13.584 min) of NT1422123067.D


Ion 237.00


Scan 1147 (13.584 min) of NT1422123067.D (Subtracted)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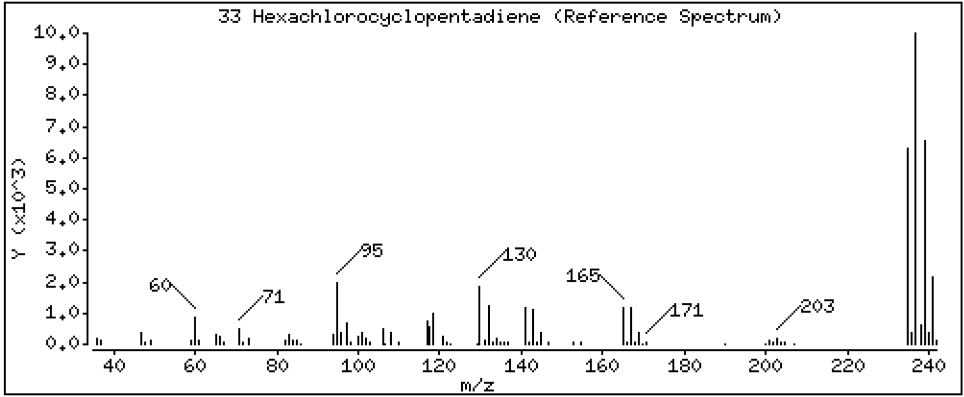
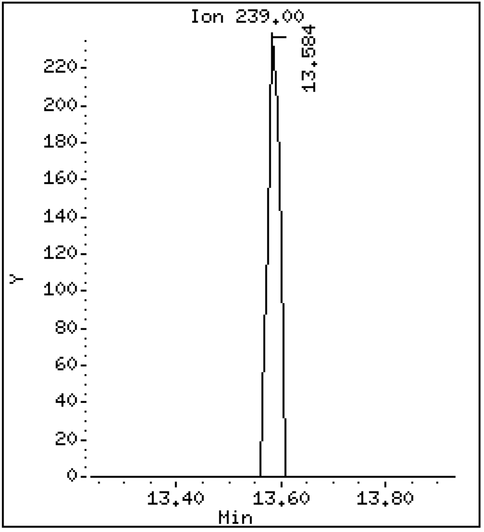

33 Hexachlorocyclopentadiene (Reference Spectrum)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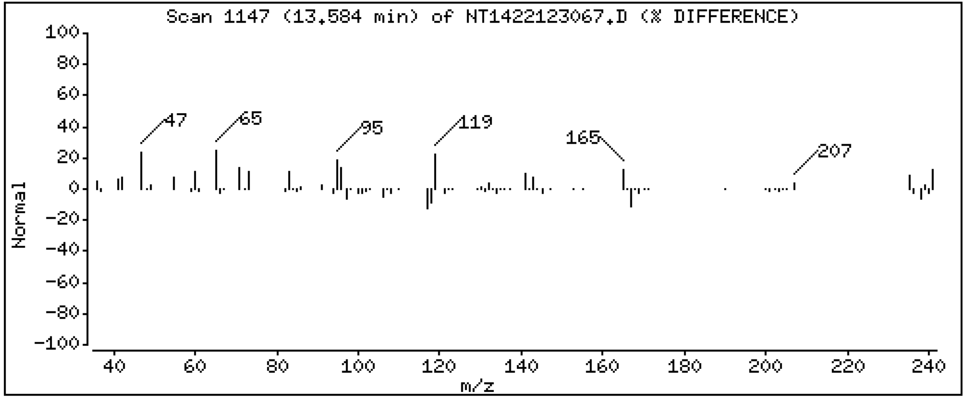

Scan 1147 (13.584 min) of NT1422123067.D (% DIFFERENCE)

Data File: \\target\share\chem3\nt14.i\20221230C.b\NT1422123067.D

Date : 01-JAN-2023 00:06

Client ID:

Instrument: nt14.i

Sample Info: SKL0355-LCV3

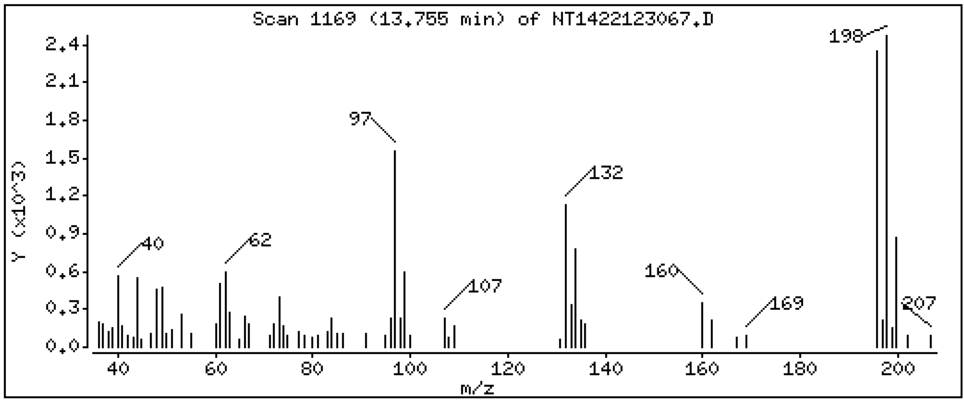
Operator: VTS

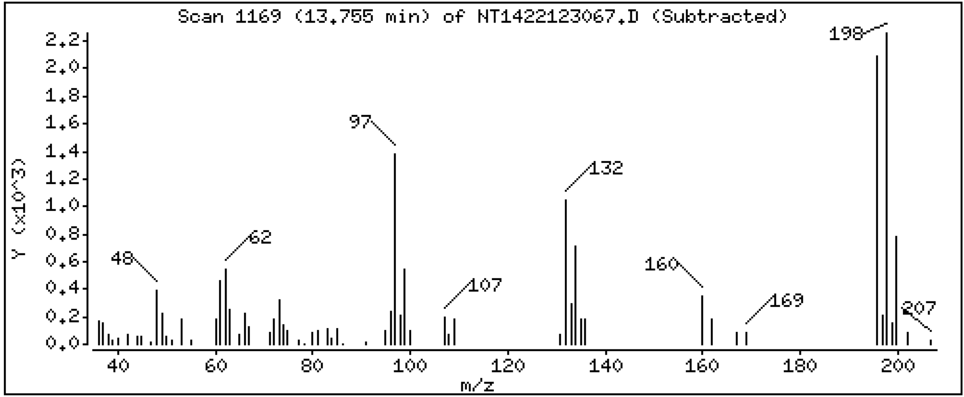
Column phase: ZB-5msi

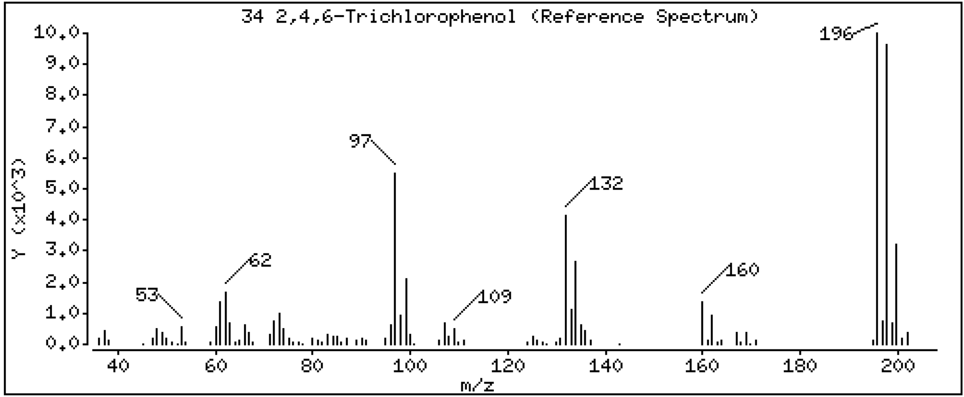
Column diameter: 0.25

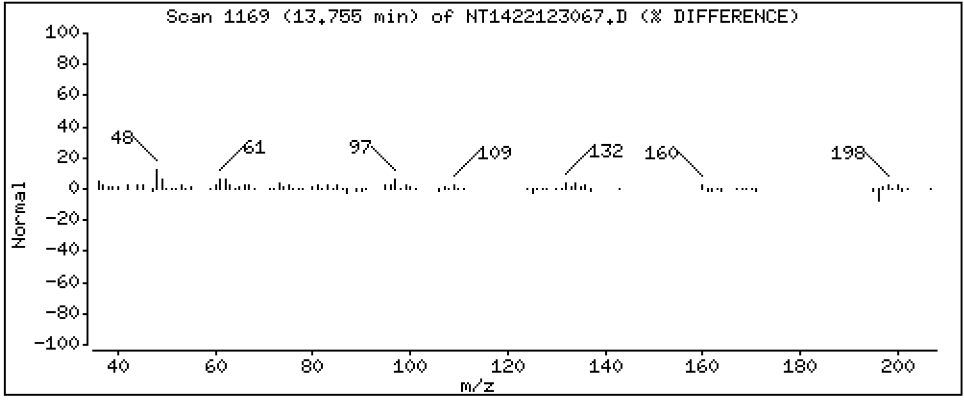
34 2,4,6-Trichlorophenol

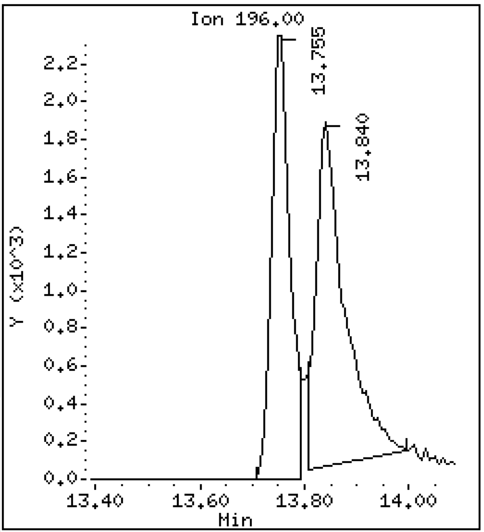
Concentration: 0.3442 ug/mL

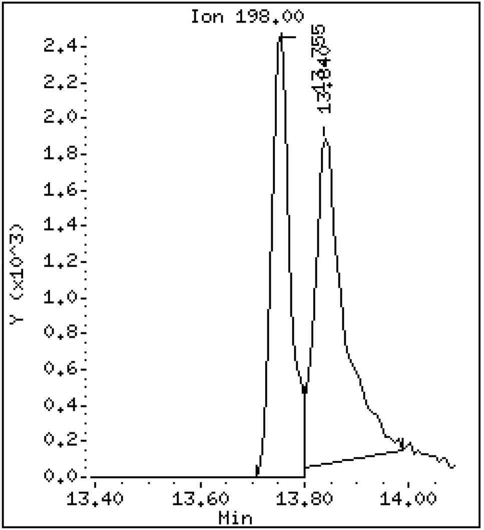


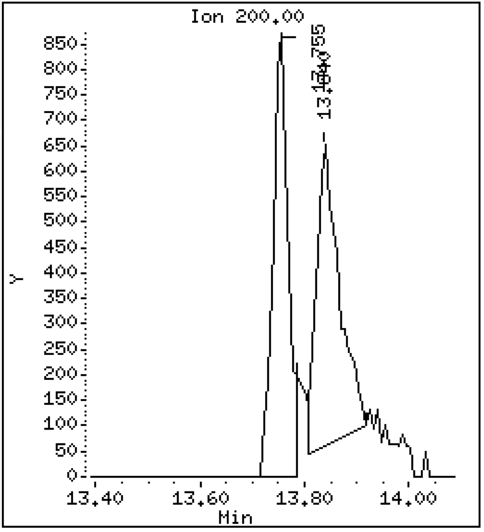












Data File: \\target\share\chem3\nt14.i\20221230C.b\NT1422123067.D

Date : 01-JAN-2023 00:06

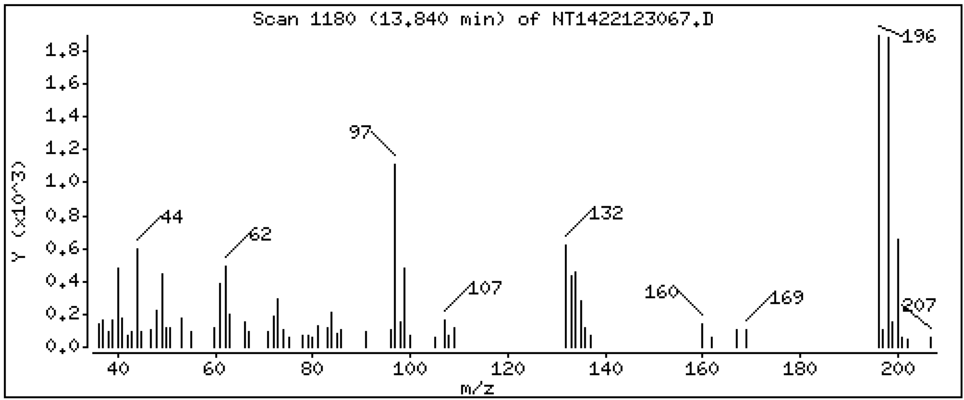
Client ID: Instrument: nt14.i

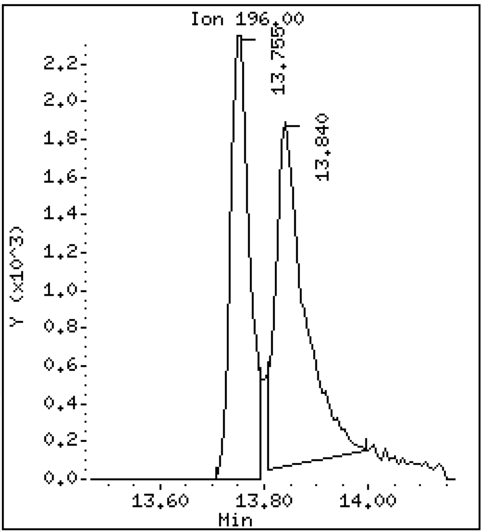
Sample Info: SKL0355-LCV3

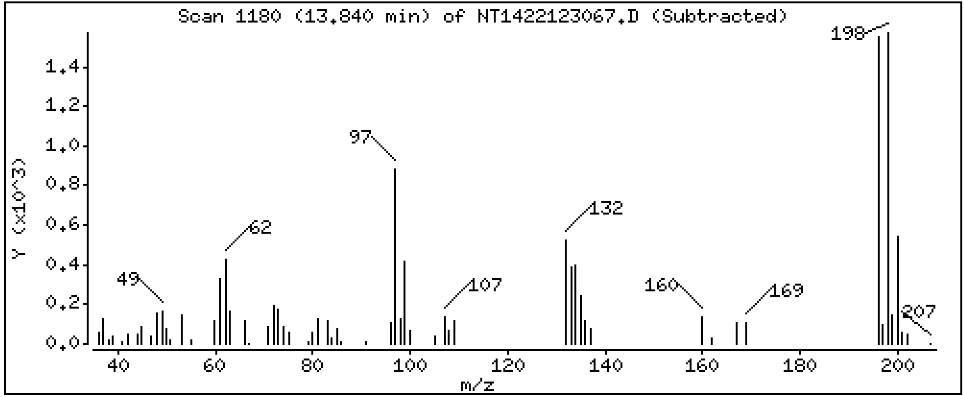
Operator: VTS

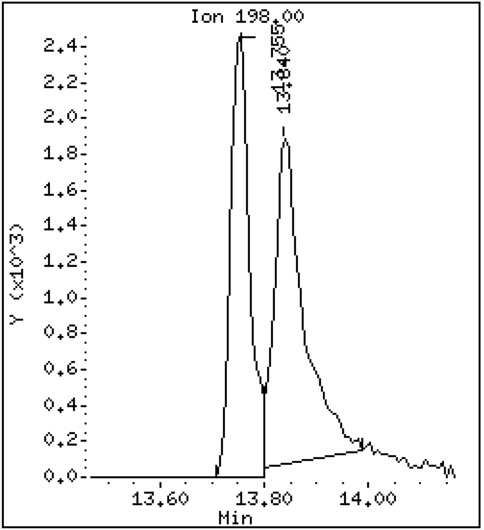
Column phase: ZB-5msi Column diameter: 0.25

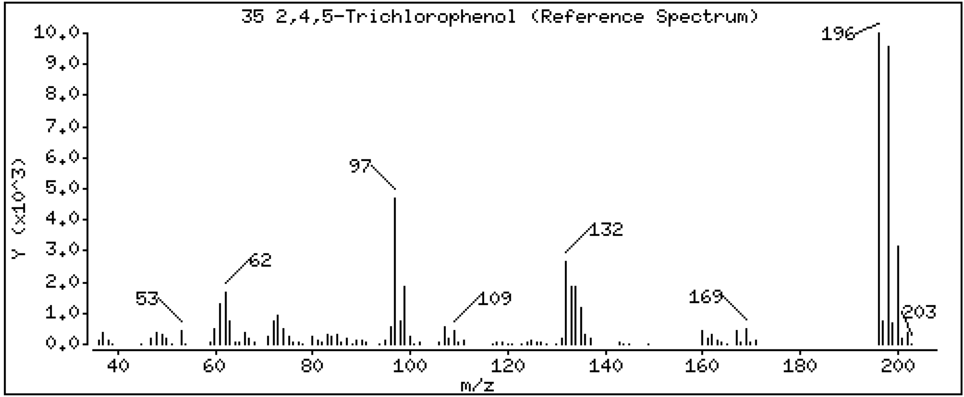
35 2,4,5-Trichlorophenol Concentration: 0.3604 ug/mL

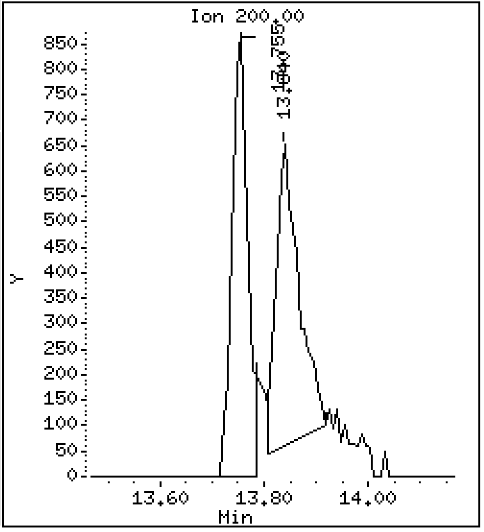


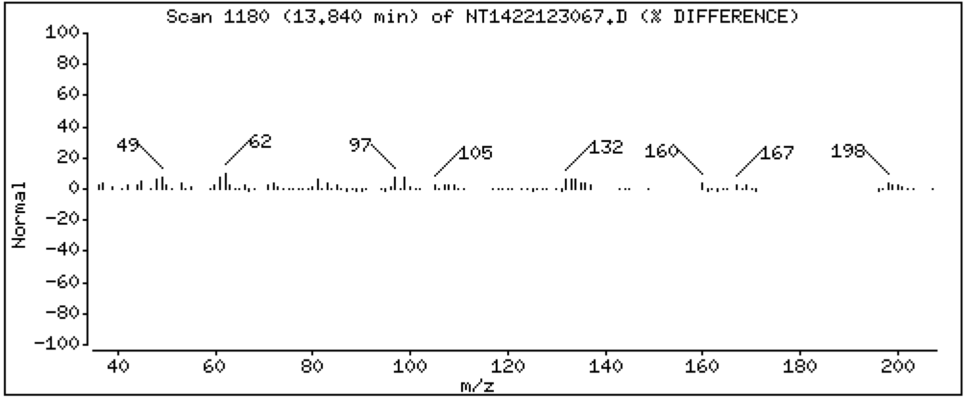












Data File: \\target\share\chem3\nt14.i\20221230C.b\NT1422123067.D

Date : 01-JAN-2023 00:06

Client ID:

Instrument: nt14.i

Sample Info: SKL0355-LCV3

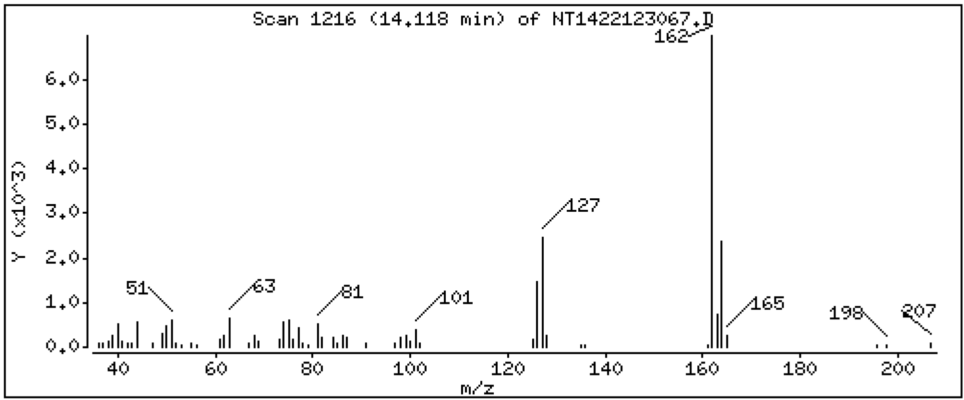
Operator: VTS

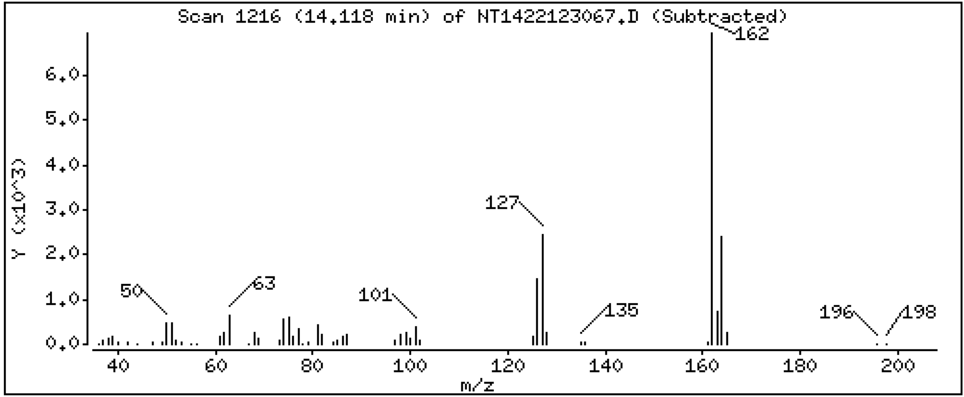
Column phase: ZB-5msi

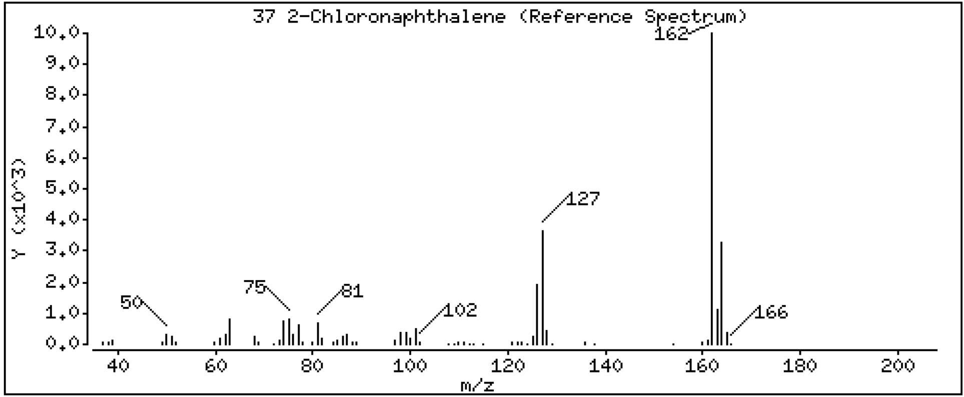
Column diameter: 0.25

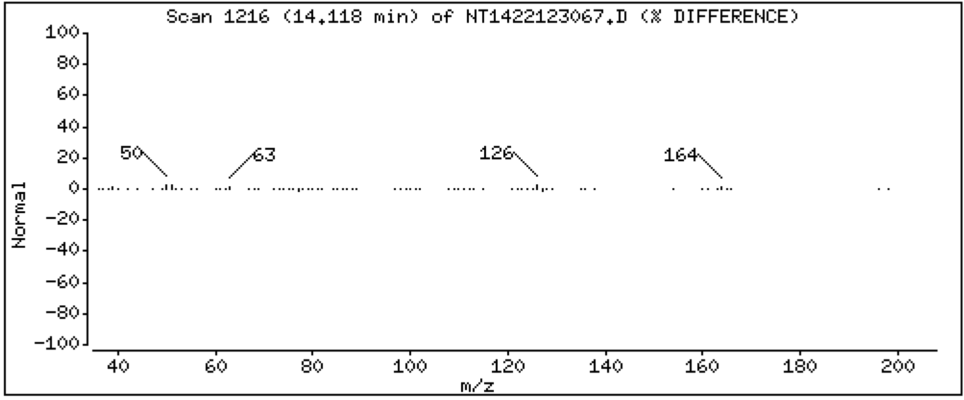
37 2-Chloronaphthalene

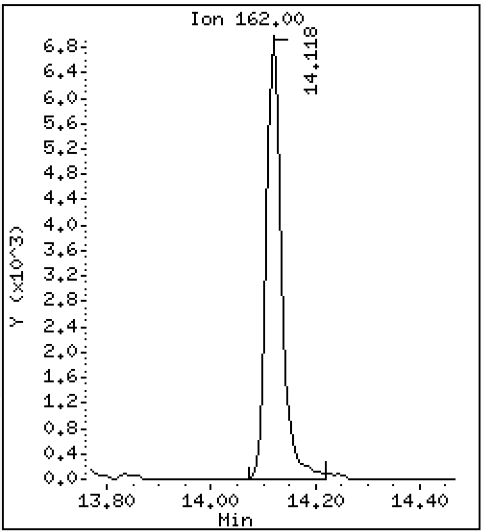
Concentration: 0.2346 ug/mL

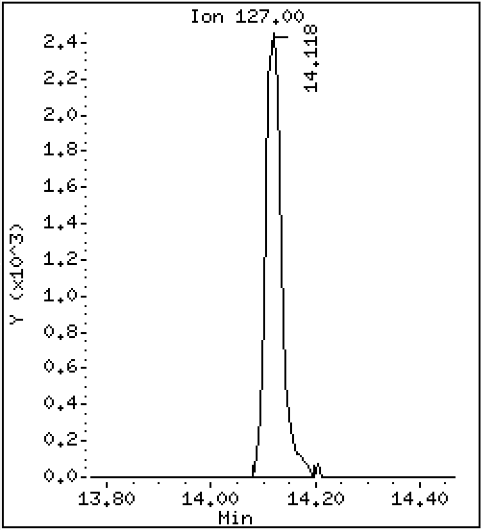

Scan 1216 (14.118 min) of NT1422123067.D

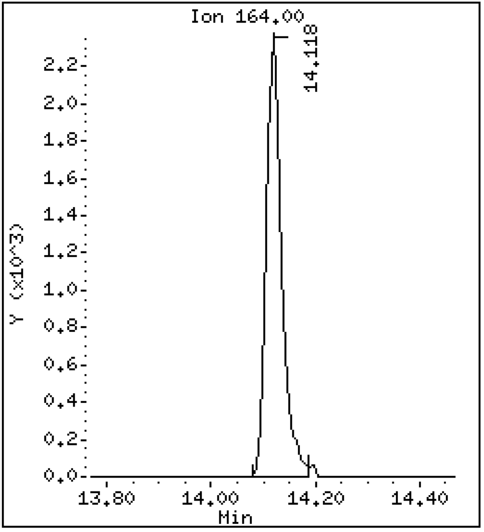

Scan 1216 (14.118 min) of NT1422123067.D (Subtracted)


37 2-Chloronaphthalene (Reference Spectrum)


Scan 1216 (14.118 min) of NT1422123067.D (% DIFFERENCE)


Ion 162.00


Ion 127.00


Ion 164.00

Data File: \\target\share\chem3\nt14.i\20221230C.b\NT1422123067.D

Date : 01-JAN-2023 00:06

Client ID:

Instrument: nt14.i

Sample Info: SKL0355-LCV3

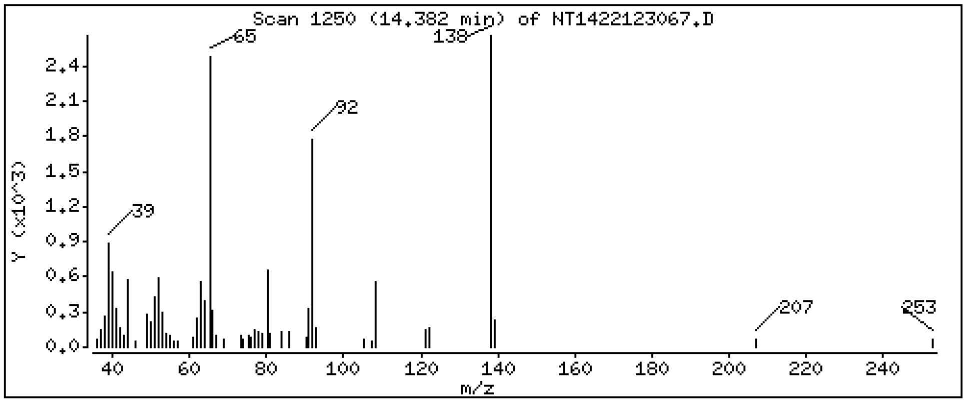
Operator: VTS

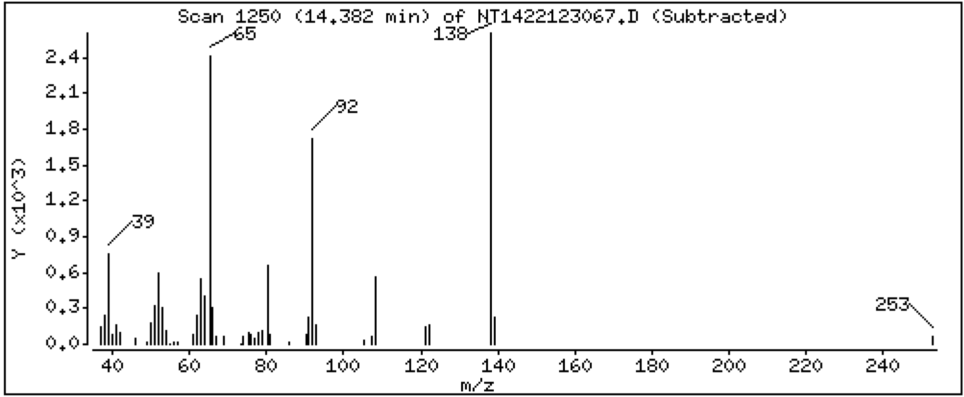
Column phase: ZB-5msi

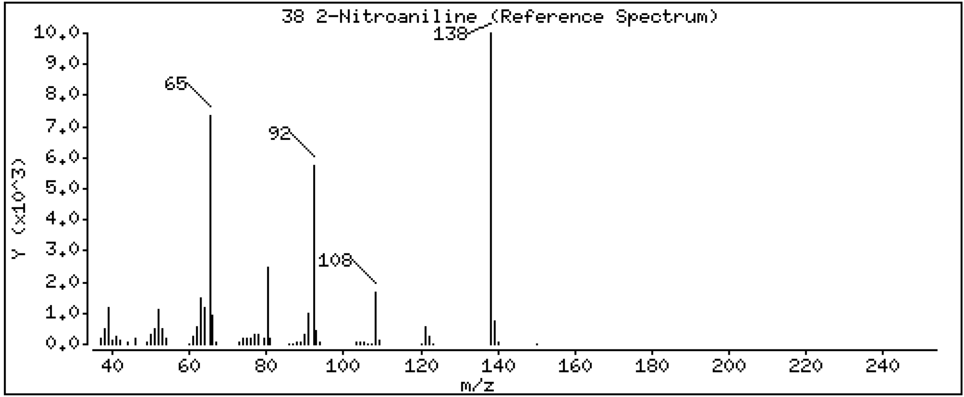
Column diameter: 0.25

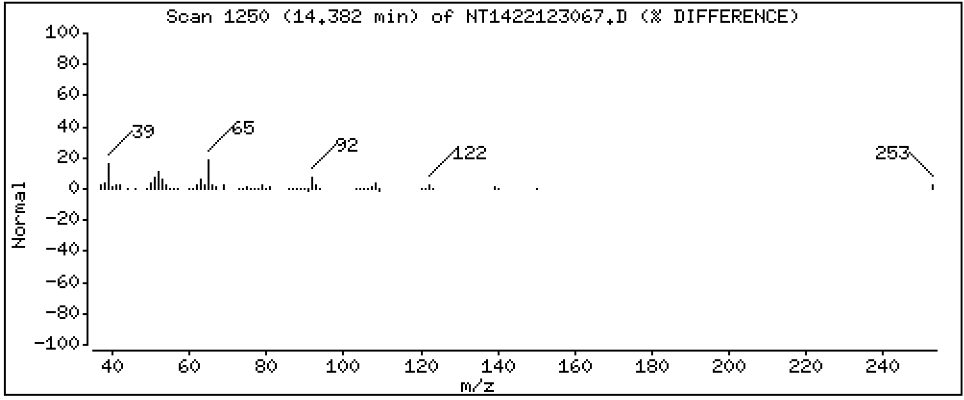
38 2-Nitroaniline

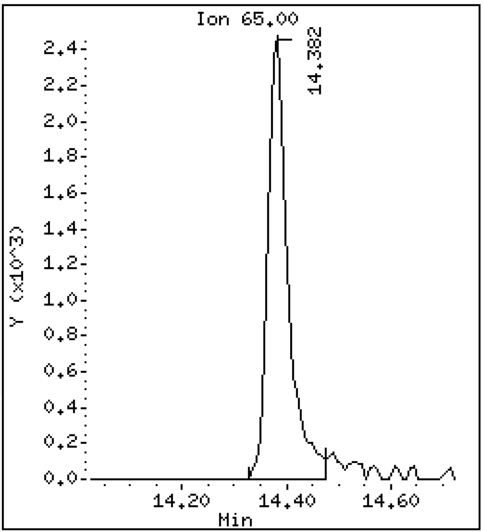
Concentration: 0.4296 ug/mL

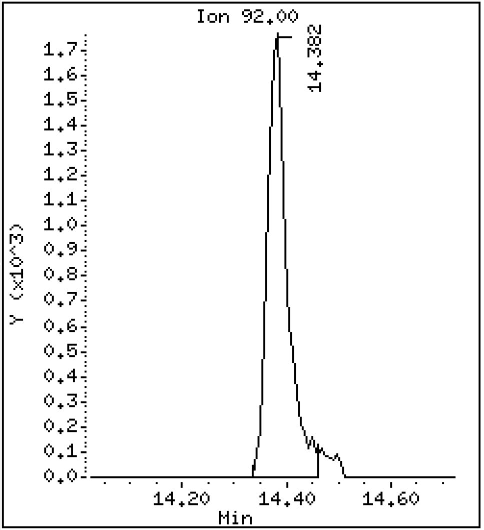


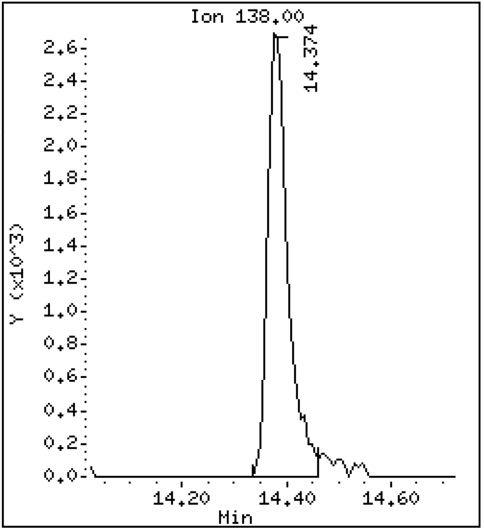












Data File: \\target\share\chem3\nt14.i\20221230C.b\NT1422123067.D

Date : 01-JAN-2023 00:06

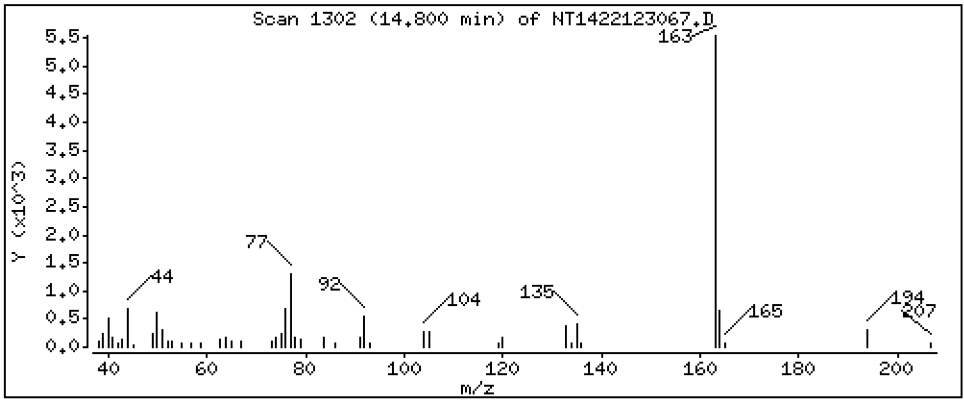
Client ID: Instrument: nt14.i

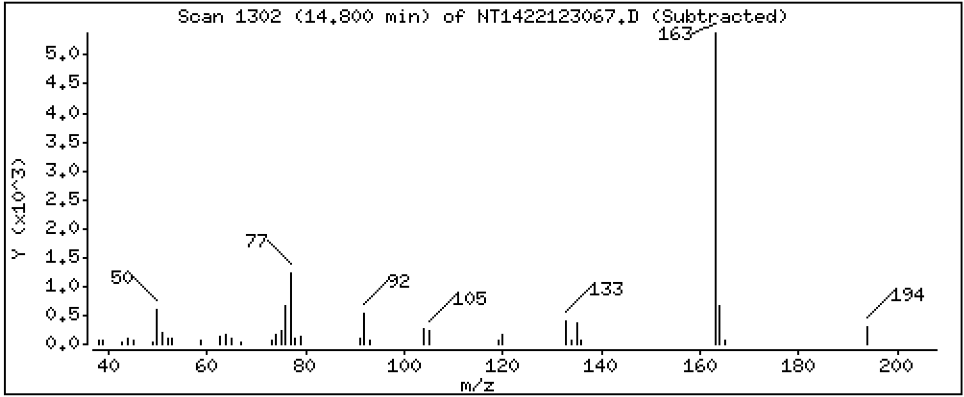
Sample Info: SKL0355-LCV3

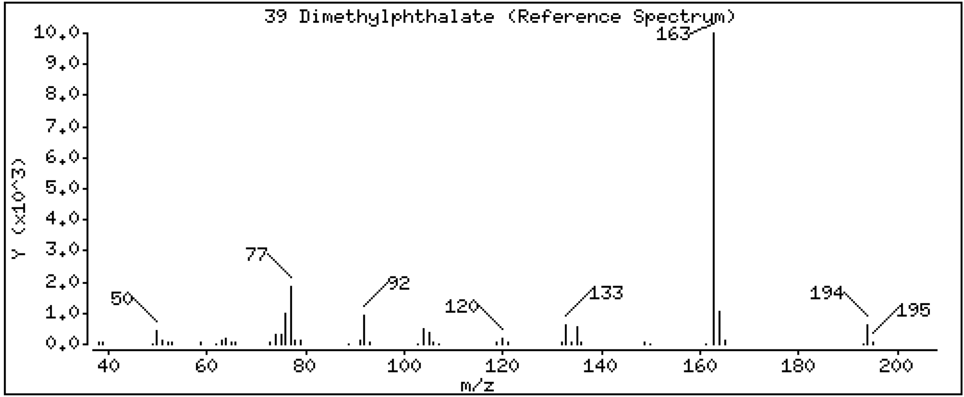
Operator: VTS

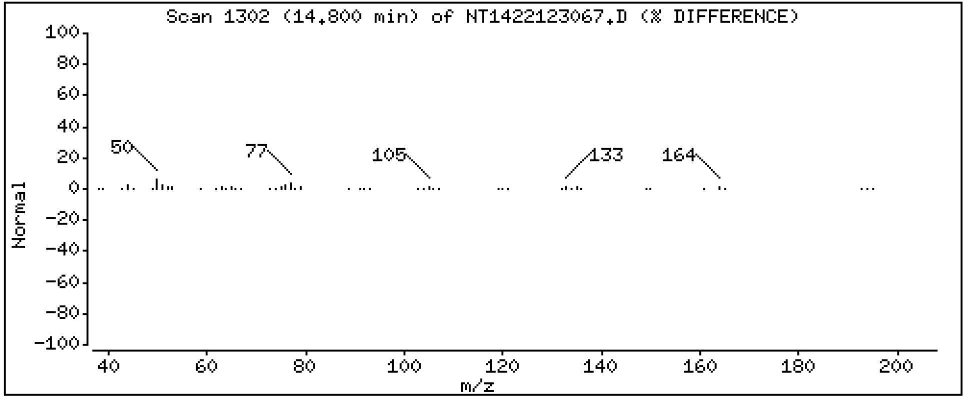
Column phase: ZB-5msi Column diameter: 0.25

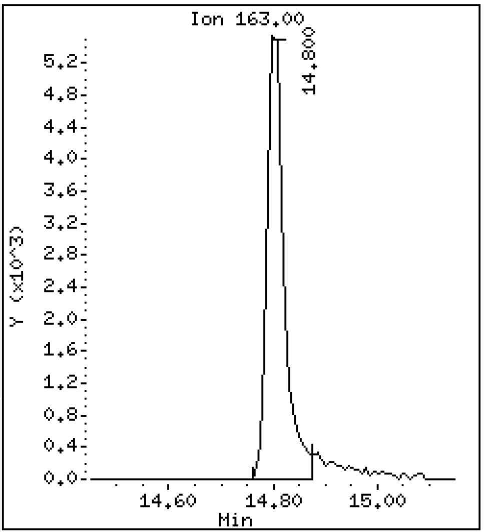
39 Dimethylphthalate Concentration: 0.2138 ug/mL

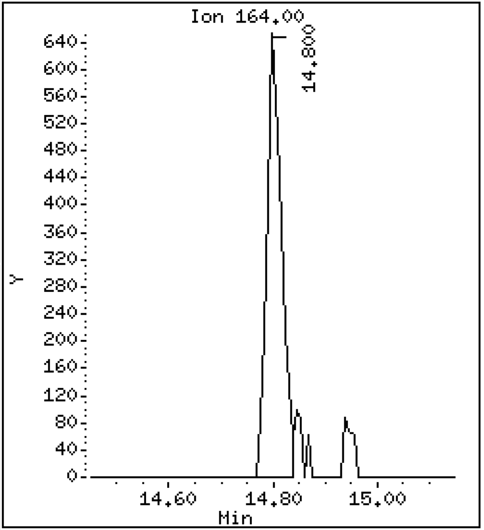

Scan 1302 (14.800 min) of NT1422123067.D

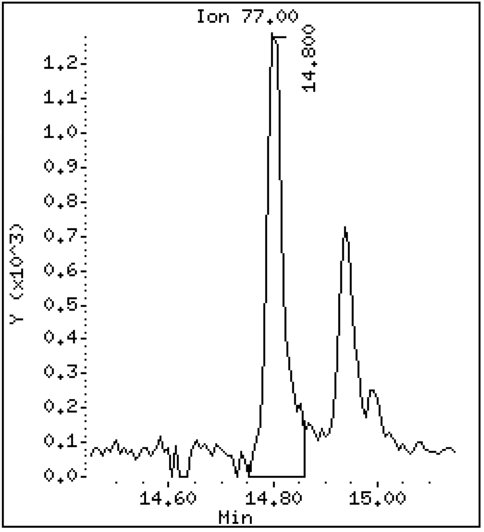

Scan 1302 (14.800 min) of NT1422123067.D (Subtracted)


39 Dimethylphthalate (Reference Spectrum)


Scan 1302 (14.800 min) of NT1422123067.D (% DIFFERENCE)


Ion 163.00


Ion 164.00


Ion 77.00

Data File: \\target\share\chem3\nt14.i\20221230C.b\NT1422123067.D

Date : 01-JAN-2023 00:06

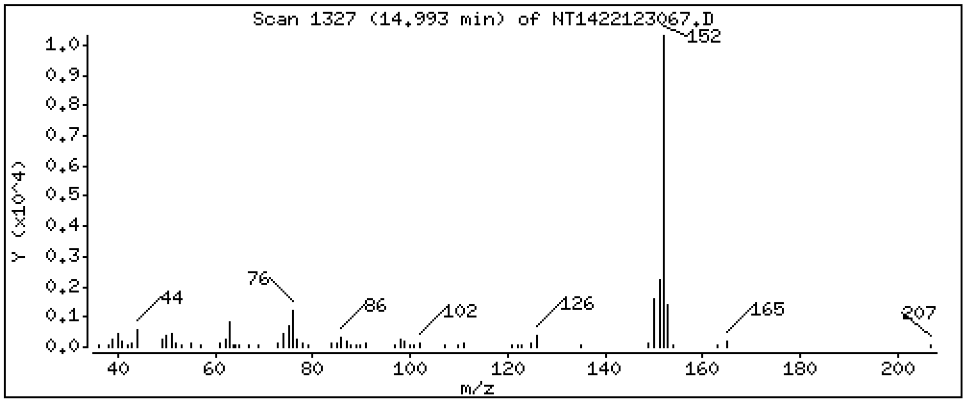
Client ID: Instrument: nt14.i

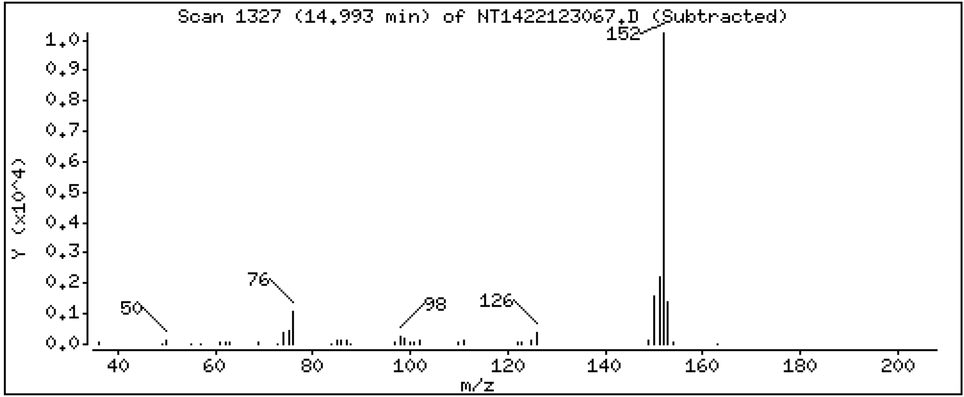
Sample Info: SKL0355-LCV3

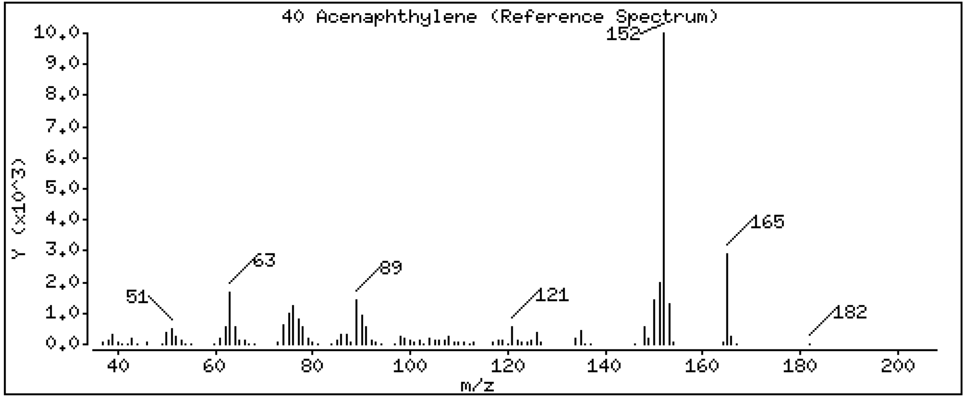
Operator: VTS

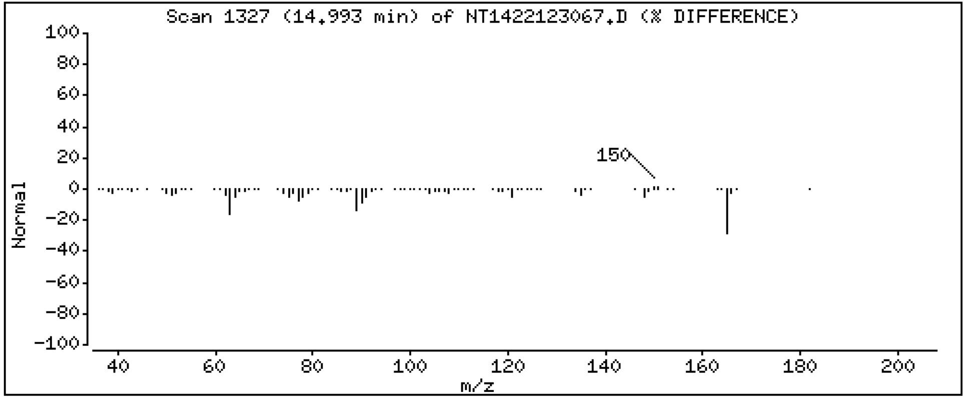
Column phase: ZB-5msi Column diameter: 0.25

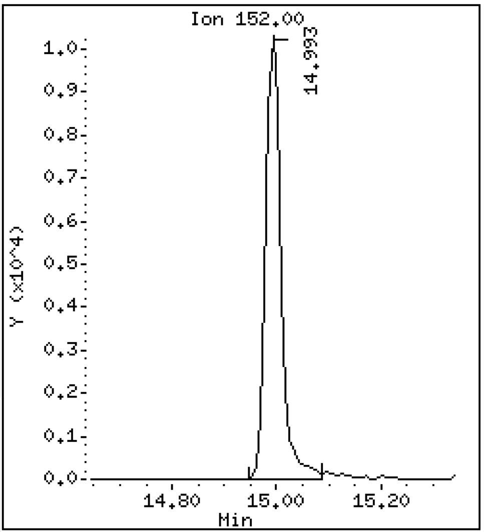
40 Acenaphthylene Concentration: 0.2291 ug/mL

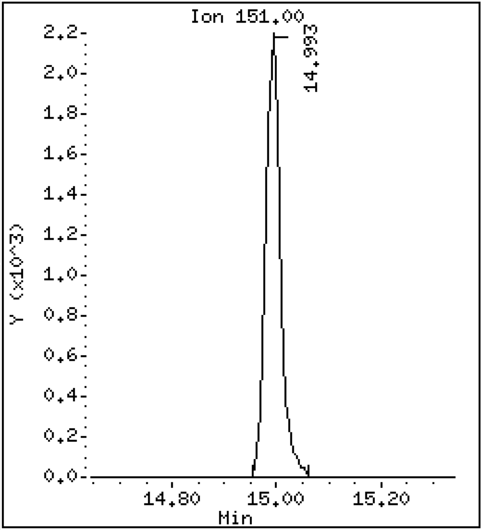


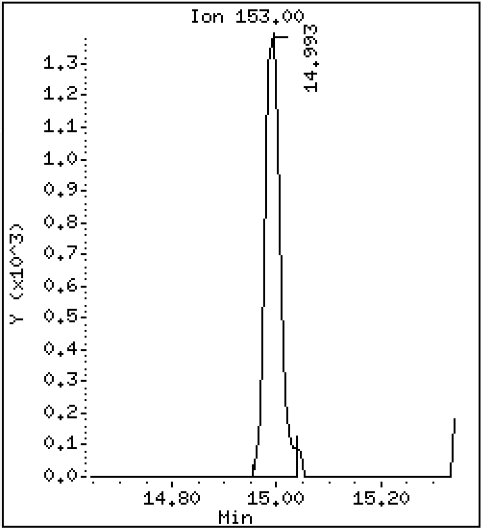












Data File: \\target\share\chem3\nt14.i\20221230C.b\NT1422123067.D

Date : 01-JAN-2023 00:06

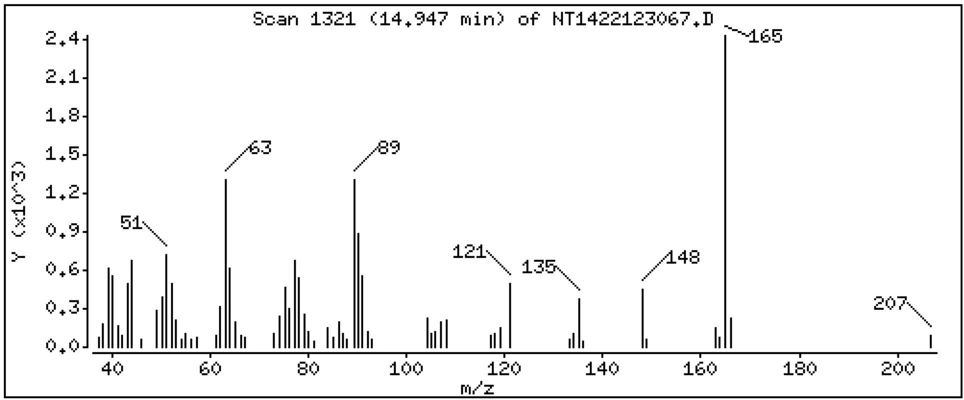
Client ID: Instrument: nt14.i

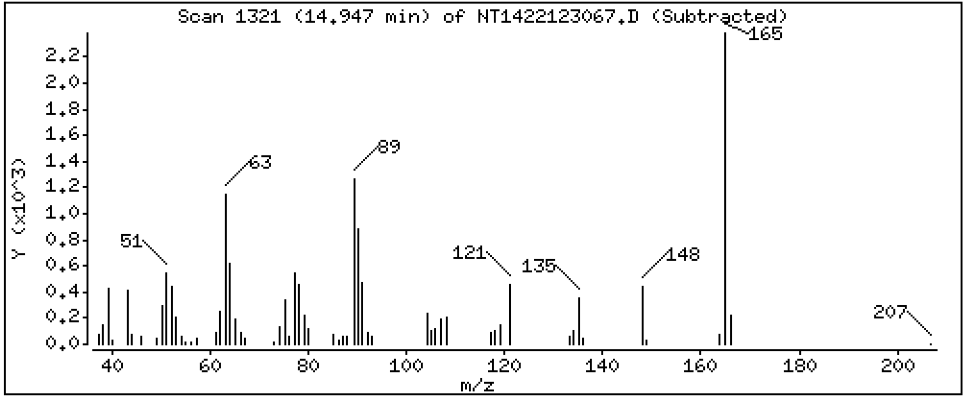
Sample Info: SKL0355-LCV3

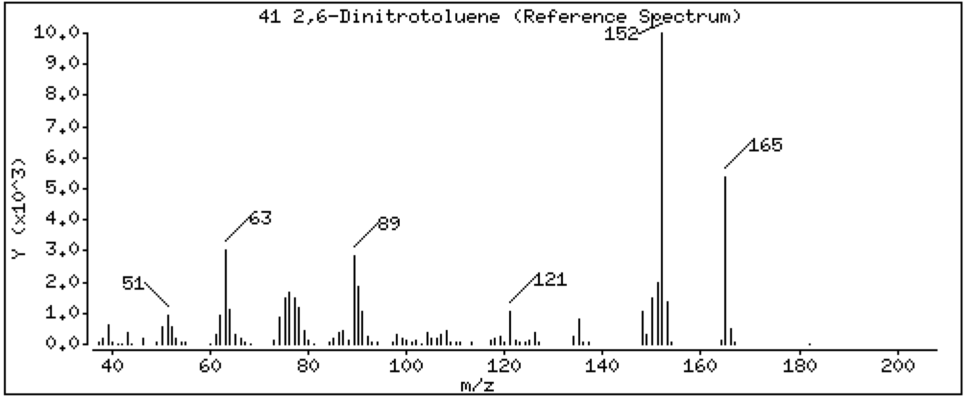
Operator: VTS

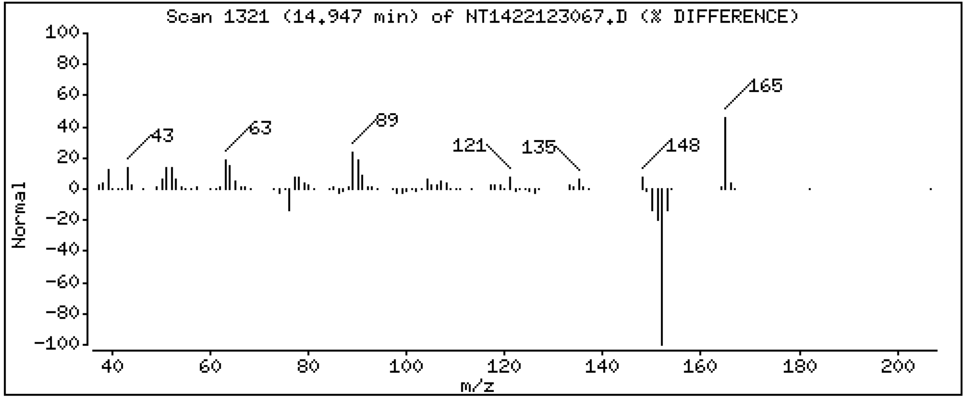
Column phase: ZB-5msi Column diameter: 0.25

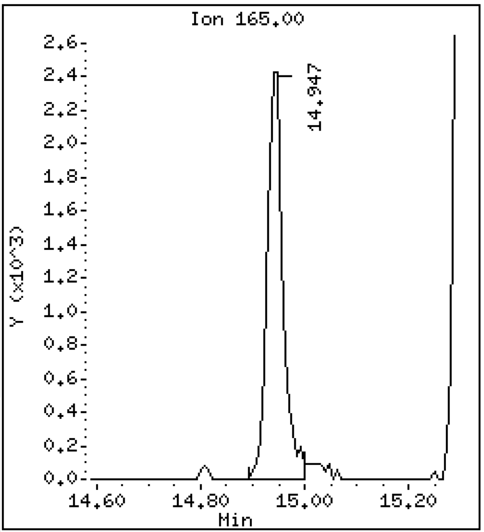
41 2,6-Dinitrotoluene Concentration: 0.3820 ug/mL

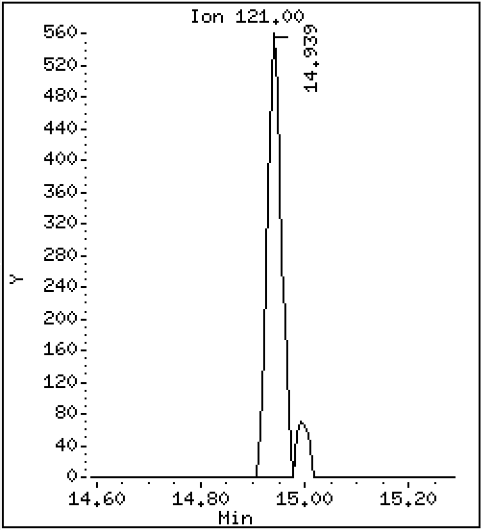

Scan 1321 (14.947 min) of NT1422123067.D

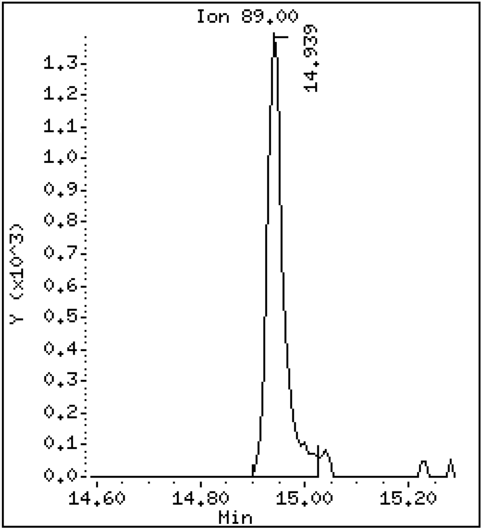

Scan 1321 (14.947 min) of NT1422123067.D (Subtracted)


41 2,6-Dinitrotoluene (Reference Spectrum)


Scan 1321 (14.947 min) of NT1422123067.D (% DIFFERENCE)


Ion 165.00


Ion 121.00


Ion 89.00

Data File: \\target\share\chem3\nt14.i\20221230C.b\NT1422123067.D

Date : 01-JAN-2023 00:06

Client ID:

Instrument: nt14.i

Sample Info: SKL0355-LCV3

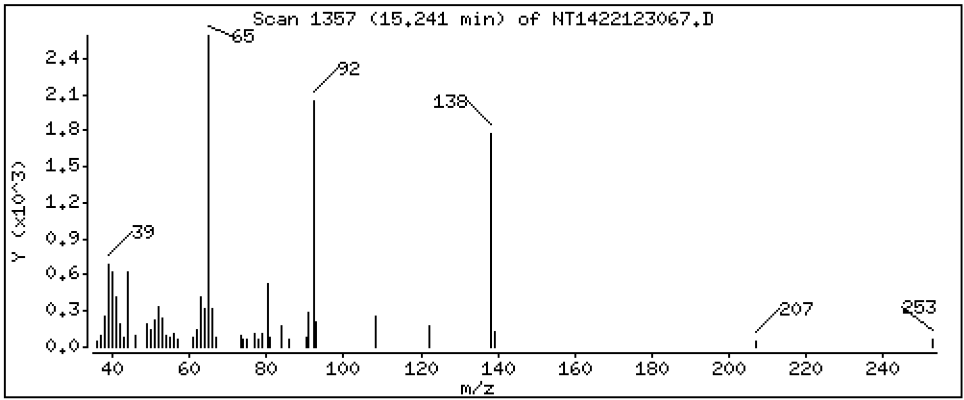
Operator: VTS

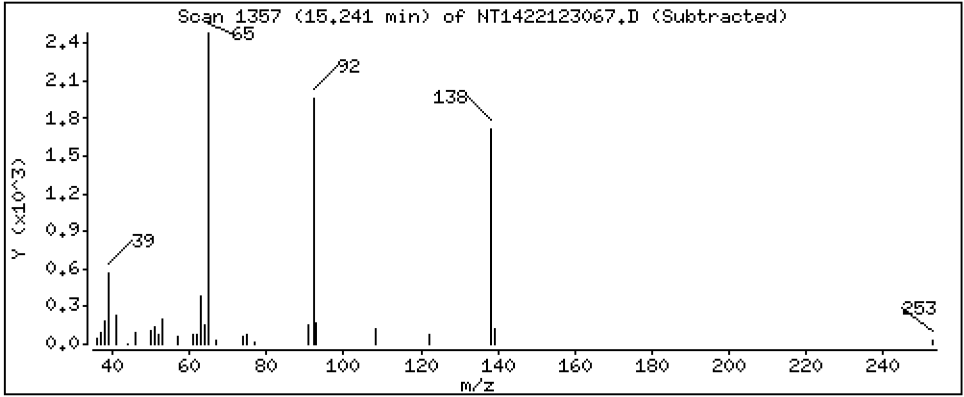
Column phase: ZB-5msi

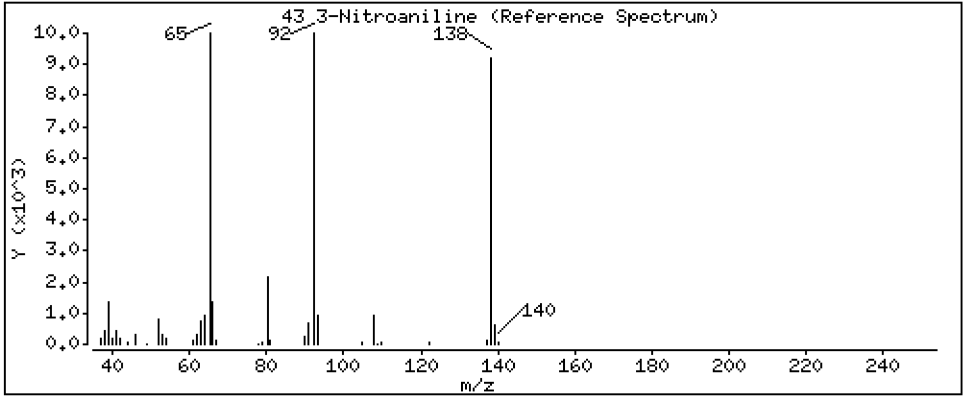
Column diameter: 0.25

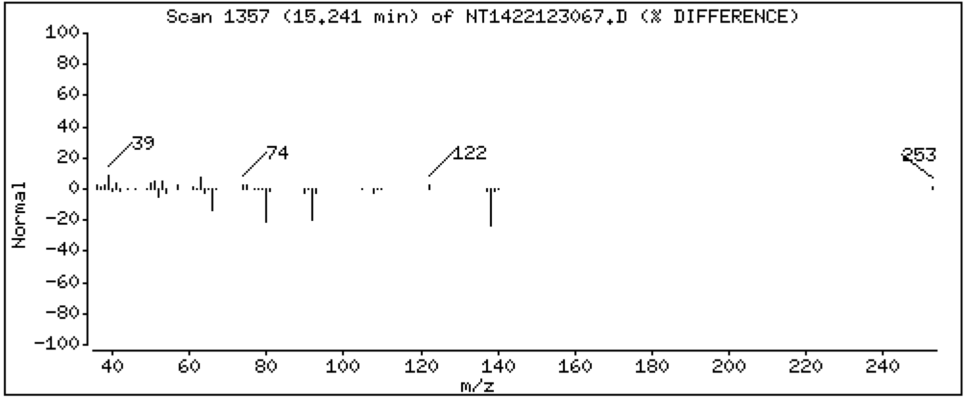
43 3-Nitroaniline

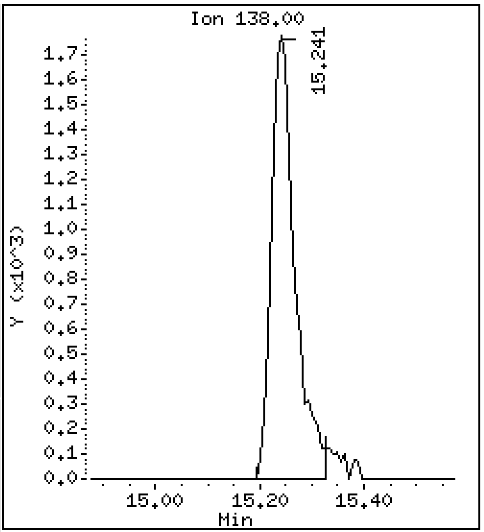
Concentration: 0.3563 ug/mL

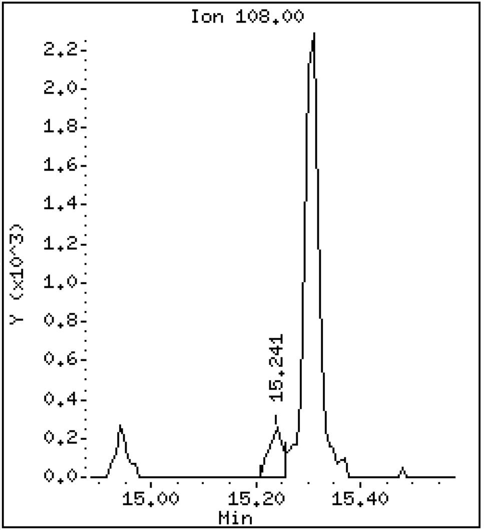

Scan 1357 (15.241 min) of NT1422123067.D

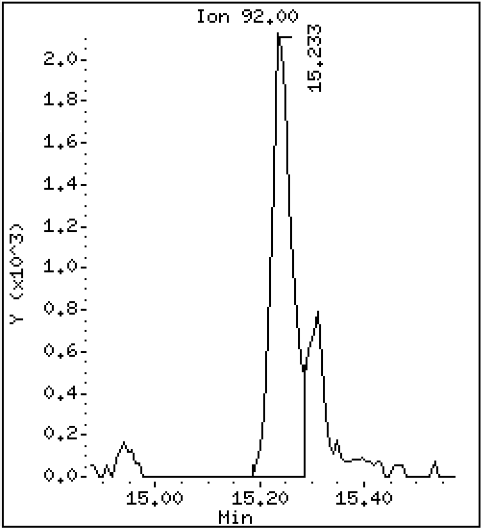

Scan 1357 (15.241 min) of NT1422123067.D (Subtracted)


43 3-Nitroaniline (Reference Spectrum)


Scan 1357 (15.241 min) of NT1422123067.D (% DIFFERENCE)


Ion 138.00


Ion 108.00


Ion 92.00

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Date : 01-JAN-2023 00:06

Client ID:

Instrument: nt14.i

Sample Info: SKL0355-LCV3

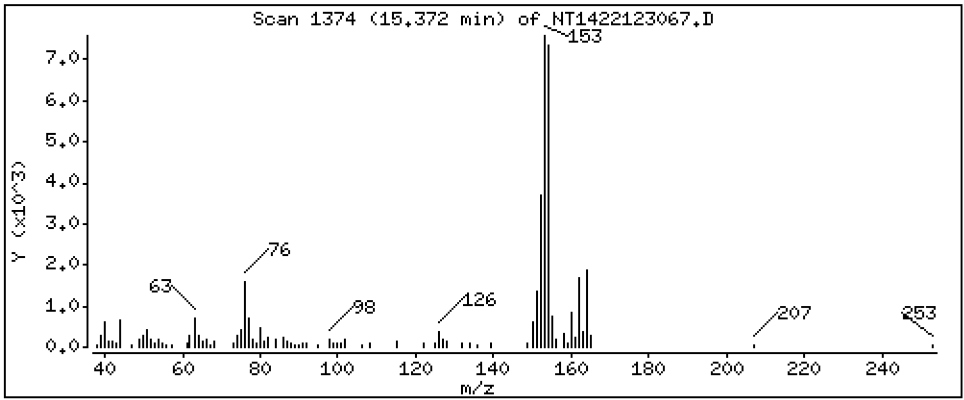
Operator: VTS

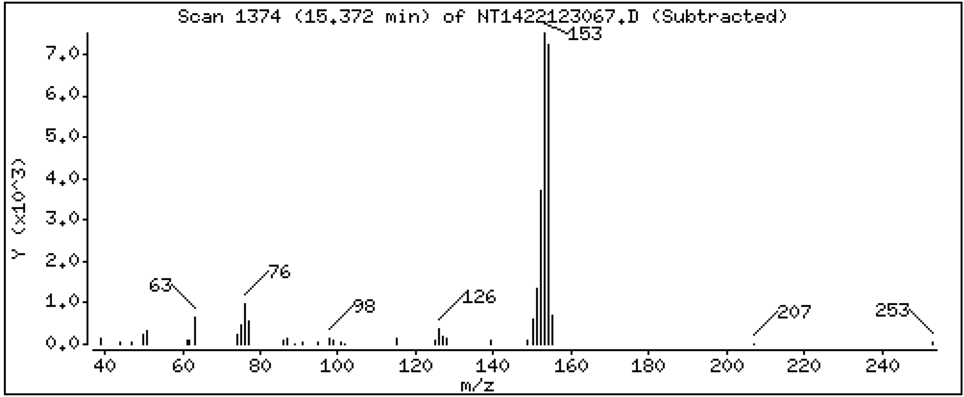
Column phase: ZB-5msi

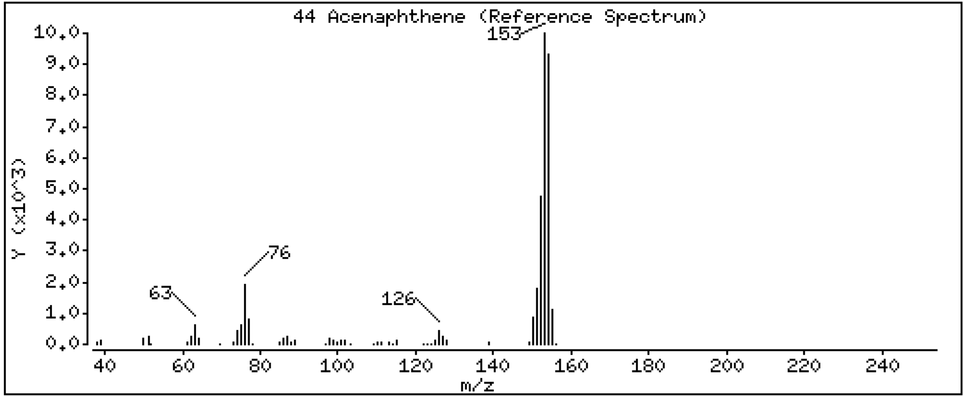
Column diameter: 0.25

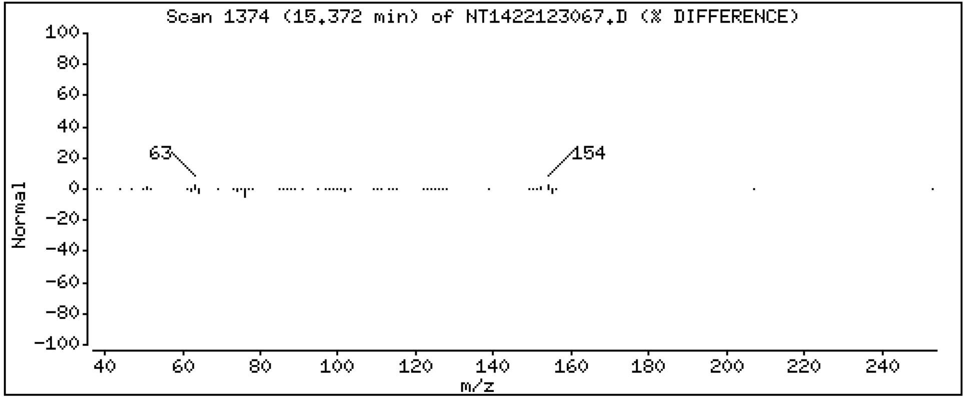
44 Acenaphthene

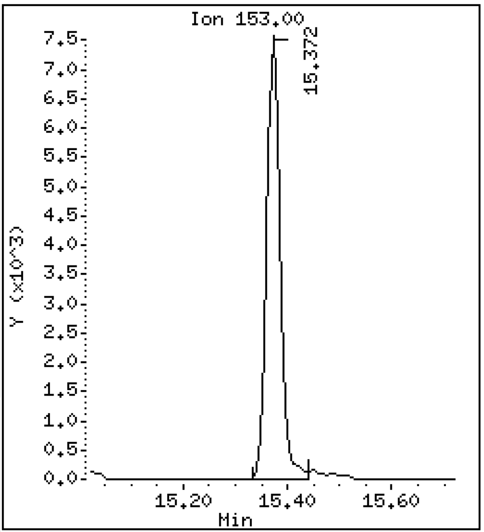
Concentration: 0.2358 ug/mL

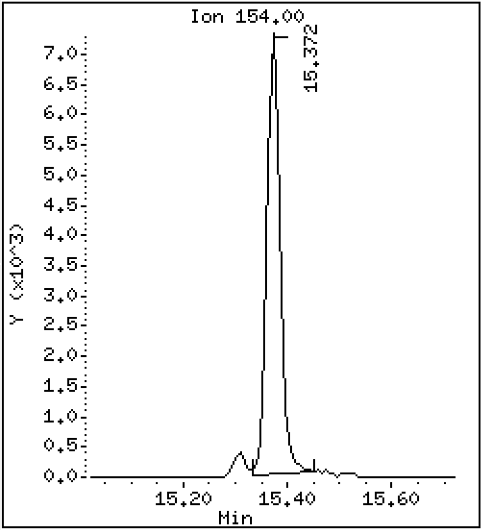

Scan 1374 (15.372 min) of NT1422123067.D

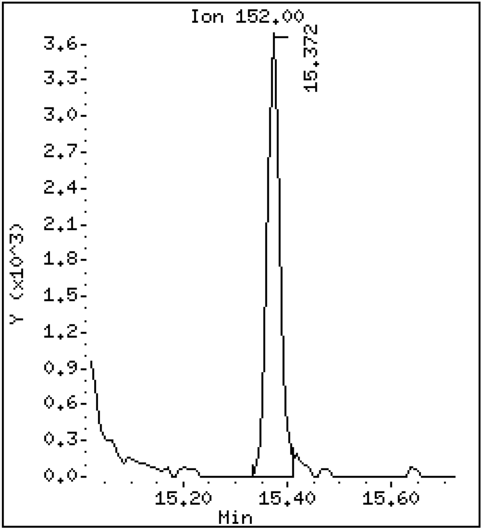

Scan 1374 (15.372 min) of NT1422123067.D (Subtracted)


44 Acenaphthene (Reference Spectrum)


Scan 1374 (15.372 min) of NT1422123067.D (% DIFFERENCE)


Ion 153.00


Ion 154.00


Ion 152.00

Data File: \\target\share\chem3\nt14.i\20221230C.b\NT1422123067.D

Date : 01-JAN-2023 00:06

Client ID:

Instrument: nt14.i

Sample Info: SKL0355-LCV3

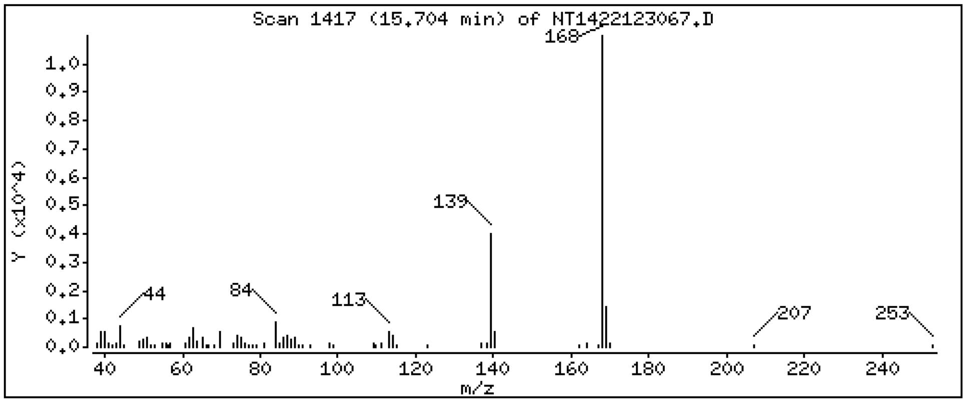
Operator: VTS

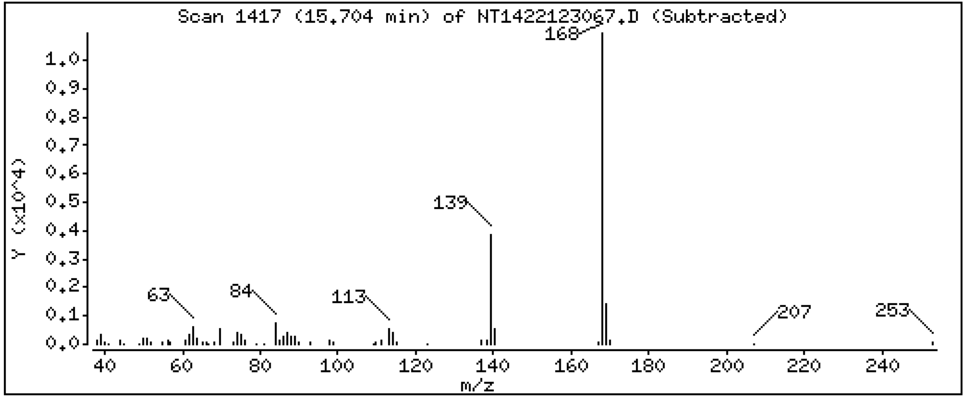
Column phase: ZB-5msi

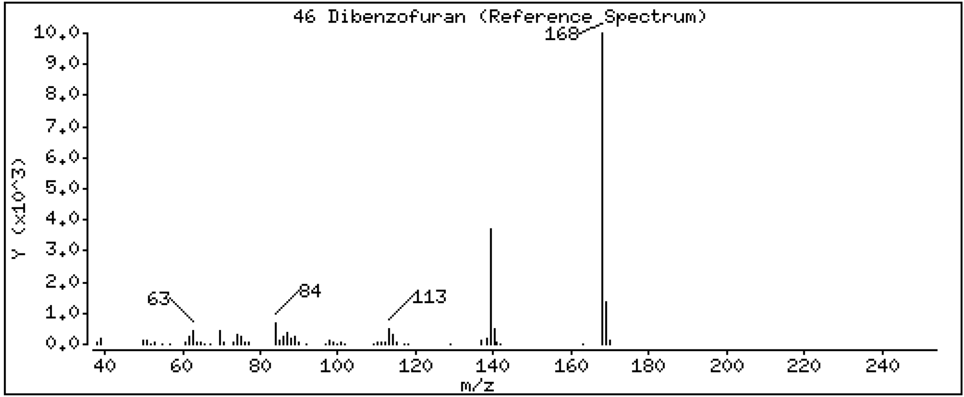
Column diameter: 0.25

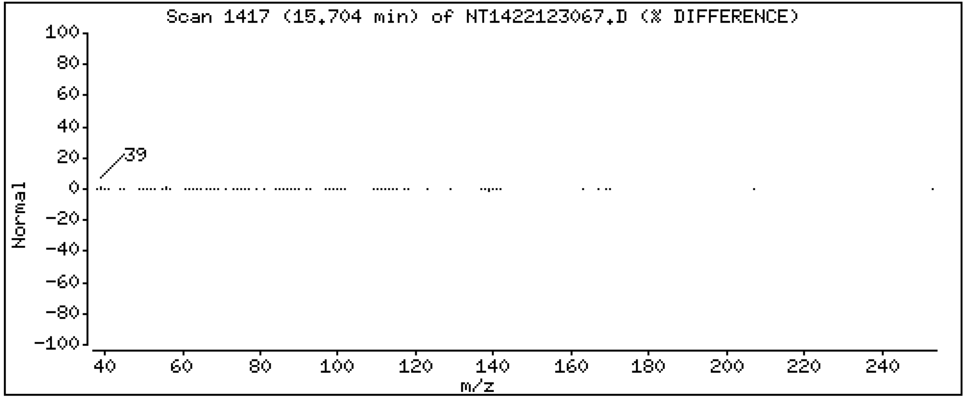
46 Dibenzofuran

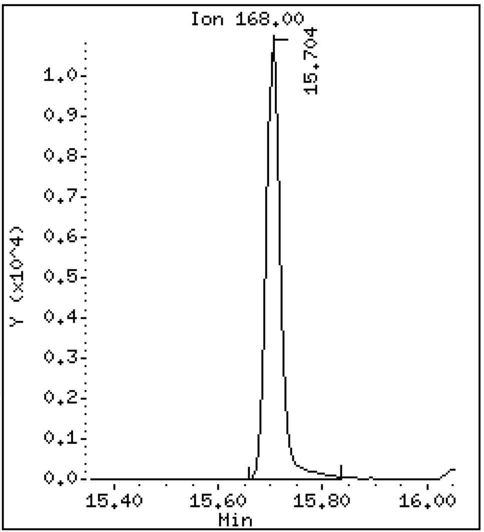
Concentration: 0.2405 ug/mL

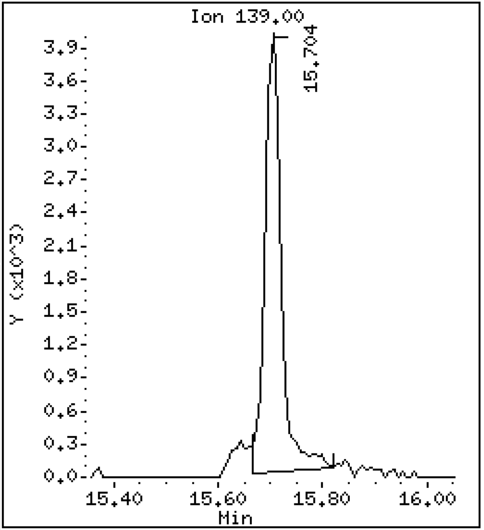


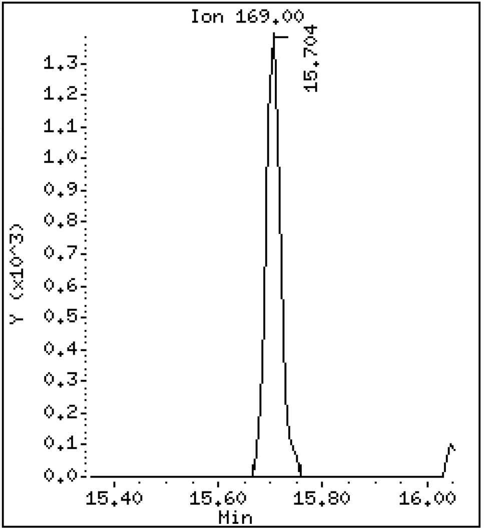












Data File: \\target\share\chem3\nt14.i\20221230C.b\NT1422123067.D

Date : 01-JAN-2023 00:06

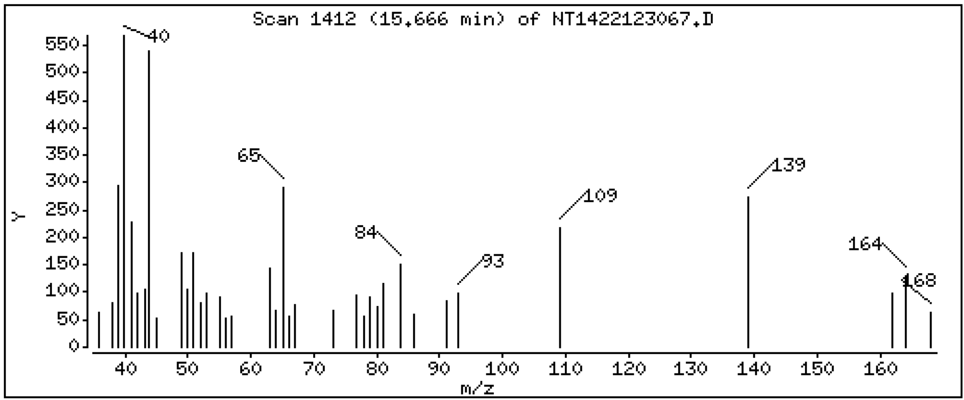
Client ID: Instrument: nt14.i

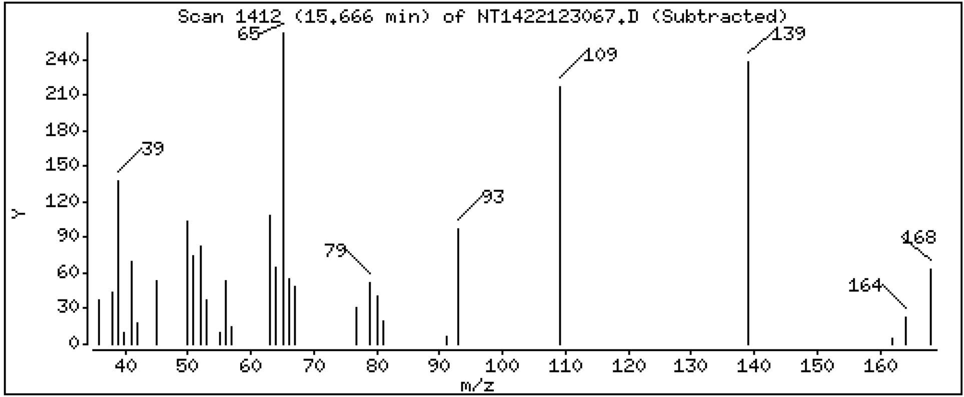
Sample Info: SKL0355-LCV3

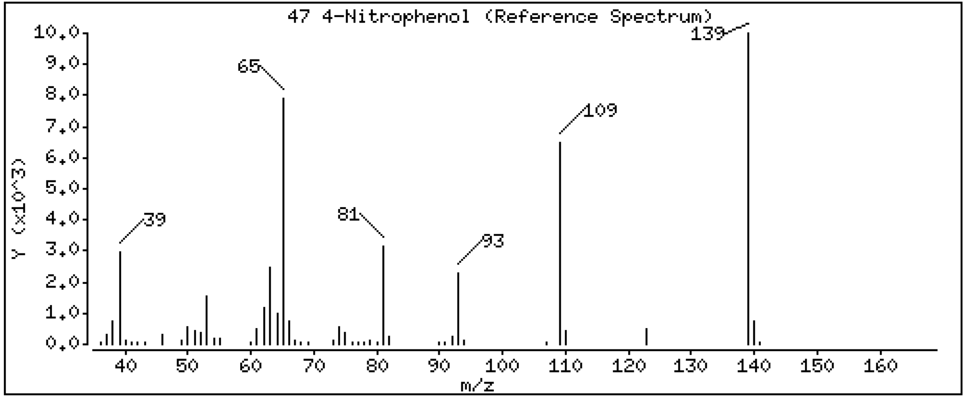
Operator: VTS

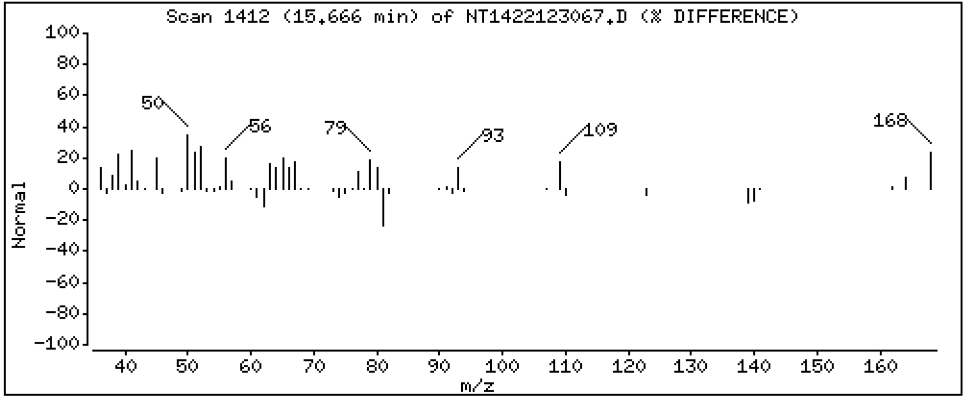
Column phase: ZB-5msi Column diameter: 0.25

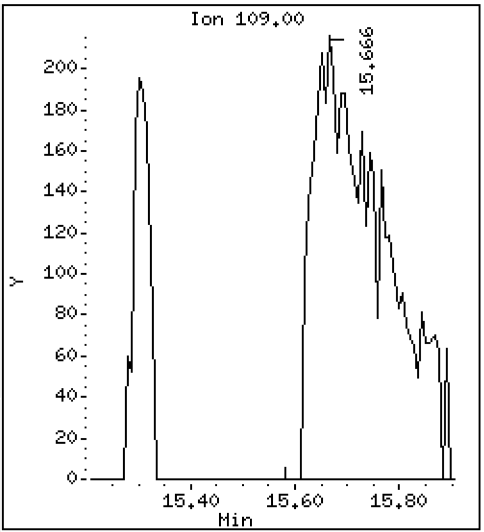
47 4-Nitrophenol Concentration: 0.2680 ug/mL

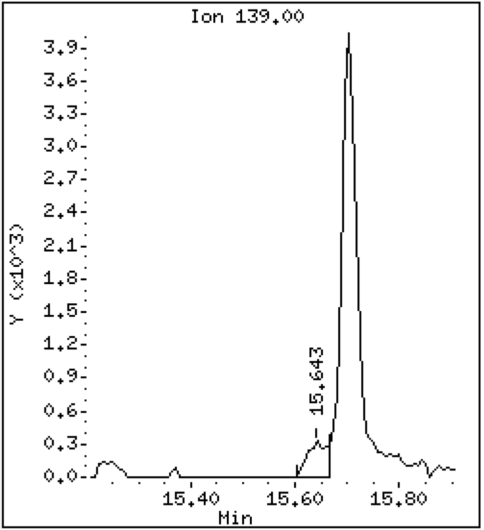

Scan 1412 (15.666 min) of NT1422123067.D

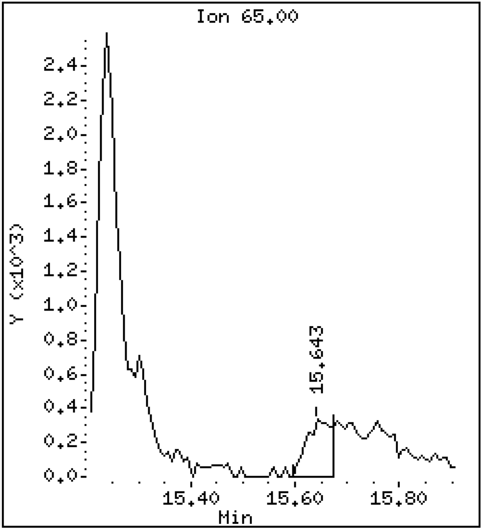

Scan 1412 (15.666 min) of NT1422123067.D (Subtracted)


47 4-Nitrophenol (Reference Spectrum)


Scan 1412 (15.666 min) of NT1422123067.D (% DIFFERENCE)


Ion 109.00


Ion 139.00


Ion 65.00

Data File: \\target\share\chem3\nt14.i\20221230C.b\NT1422123067.D Page 39

Date : 01-JAN-2023 00:06

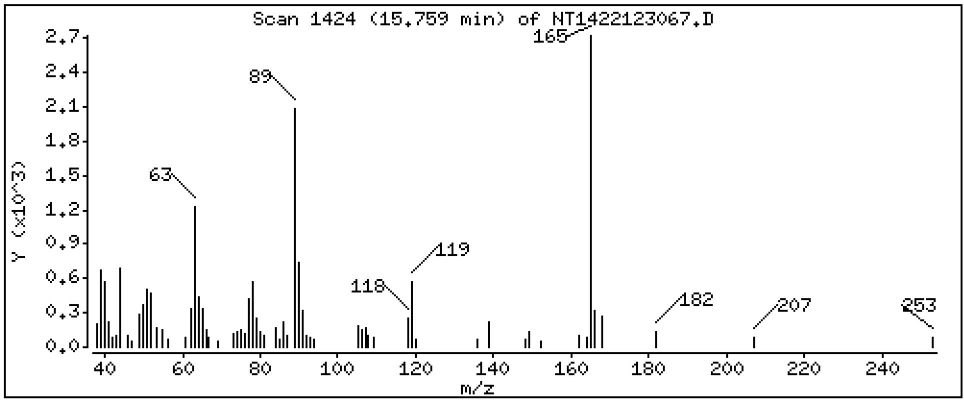
Client ID: Instrument: nt14.i

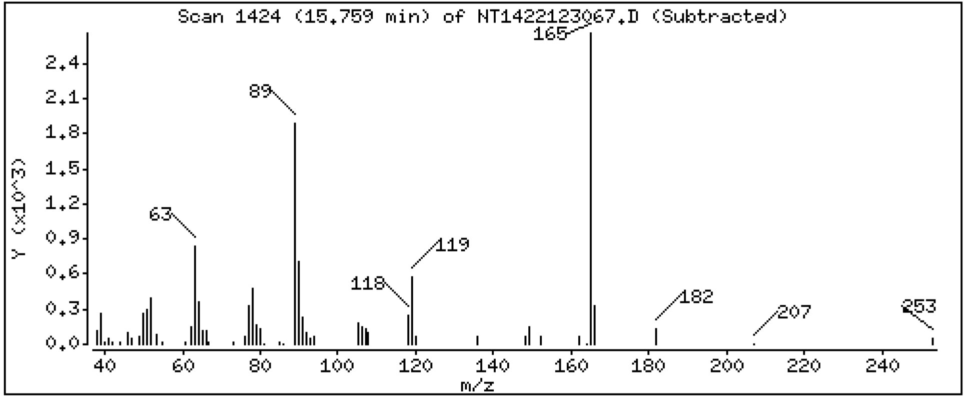
Sample Info: SKL0355-LCV3

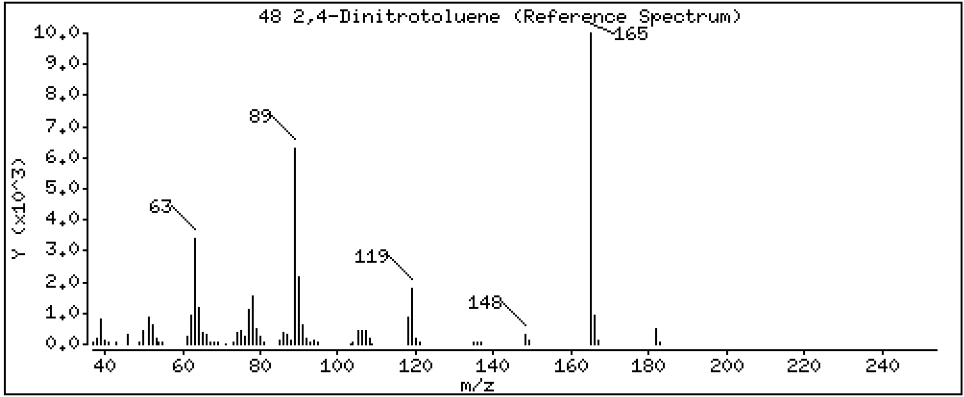
Operator: VTS

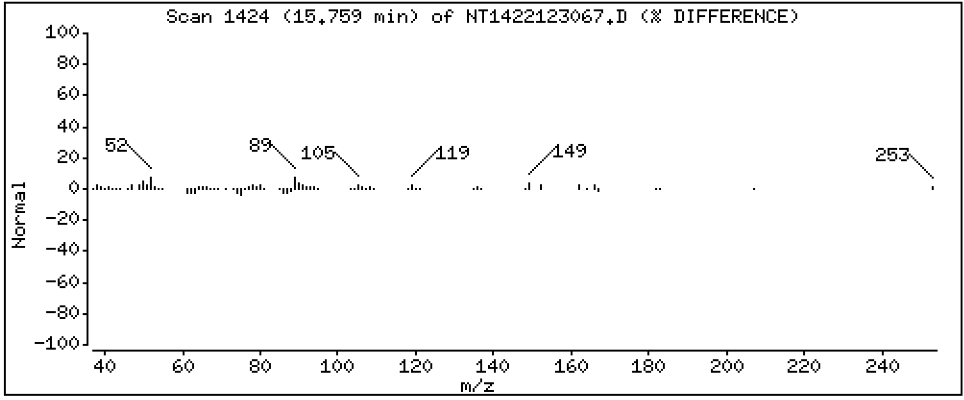
Column phase: ZB-5msi Column diameter: 0.25

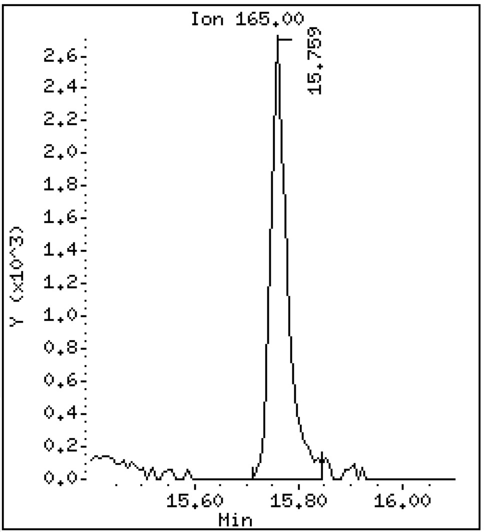
48 2,4-Dinitrotoluene Concentration: 0.3389 ug/mL

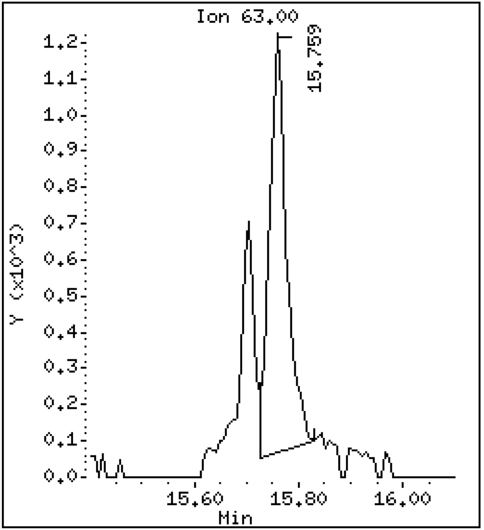


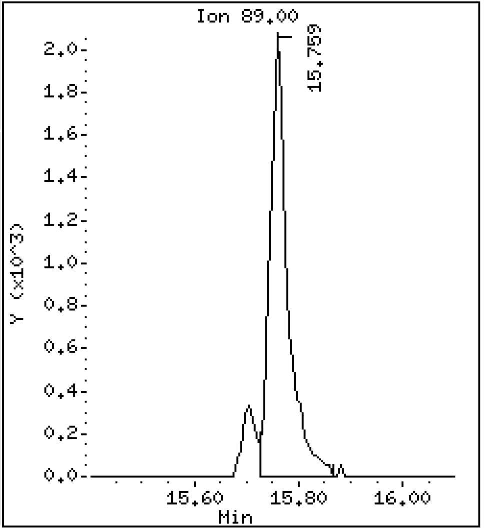












Data File: \\target\share\chem3\nt14.i\20221230C.b\NT1422123067.D

Date : 01-JAN-2023 00:06

Client ID:

Instrument: nt14.i

Sample Info: SKL0355-LCV3

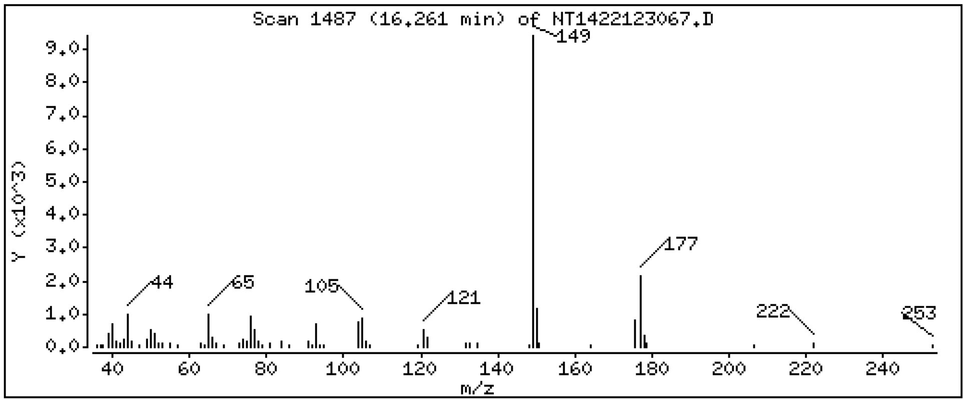
Operator: VTS

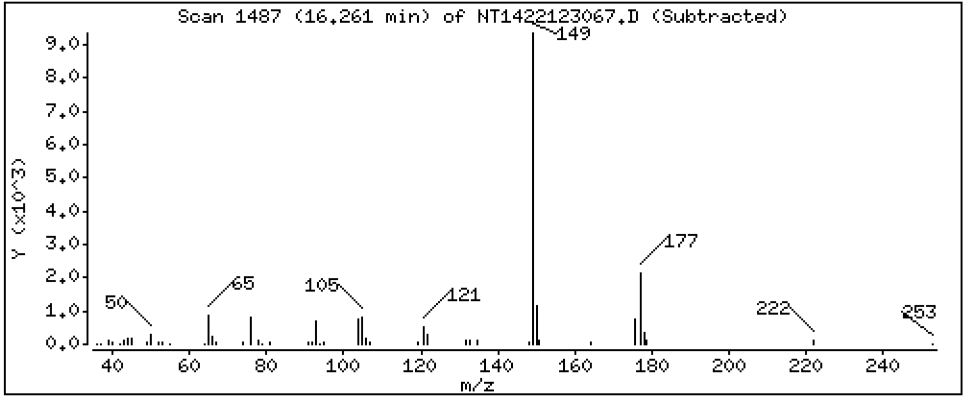
Column phase: ZB-5msi

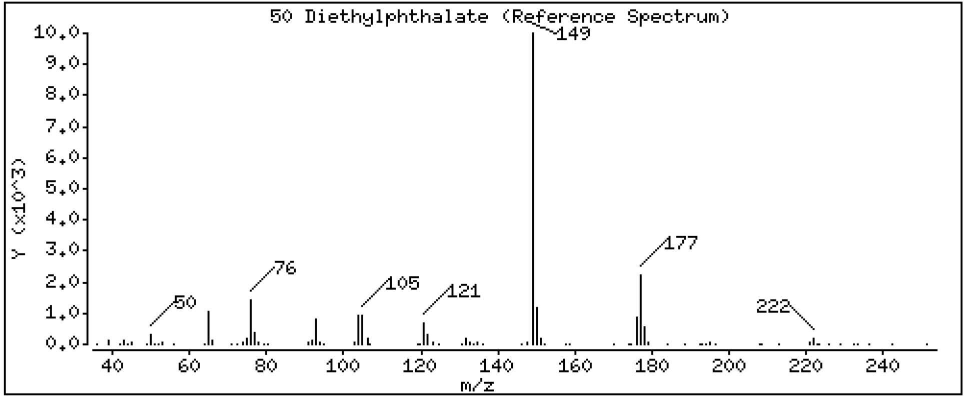
Column diameter: 0.25

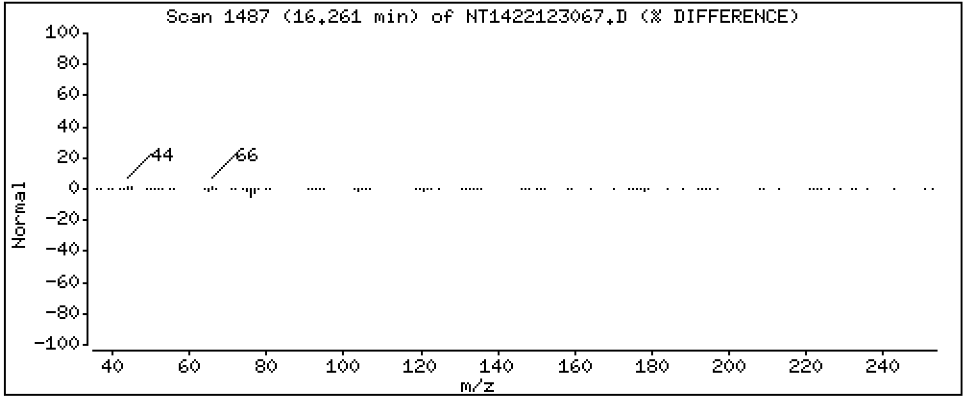
50 Diethylphthalate

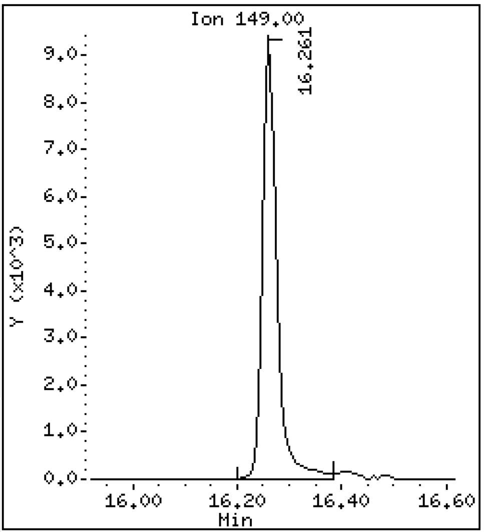
Concentration: 0.2595 ug/mL

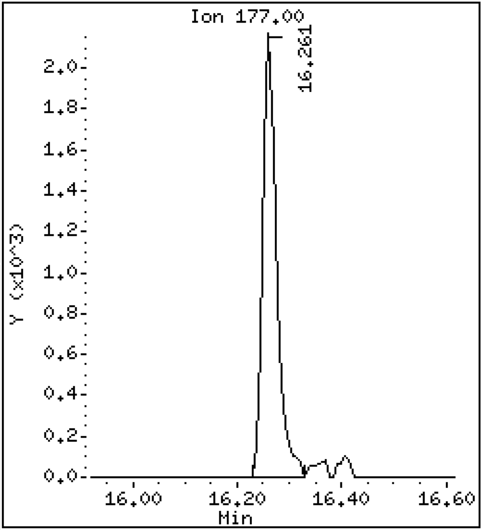

Scan 1487 (16.261 min) of NT1422123067.D

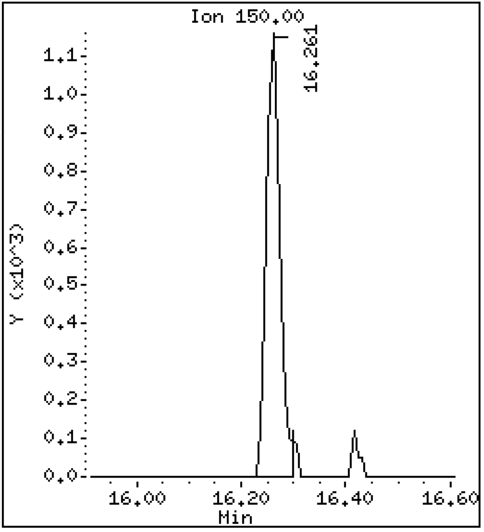

Scan 1487 (16.261 min) of NT1422123067.D (Subtracted)


50 Diethylphthalate (Reference Spectrum)


Scan 1487 (16.261 min) of NT1422123067.D (% DIFFERENCE)


Ion 149.00


Ion 177.00


Ion 150.00

Data File: \\target\share\chem3\nt14.i\20221230C.b\NT1422123067.D

Date : 01-JAN-2023 00:06

Client ID:

Instrument: nt14.i

Sample Info: SKL0355-LCV3

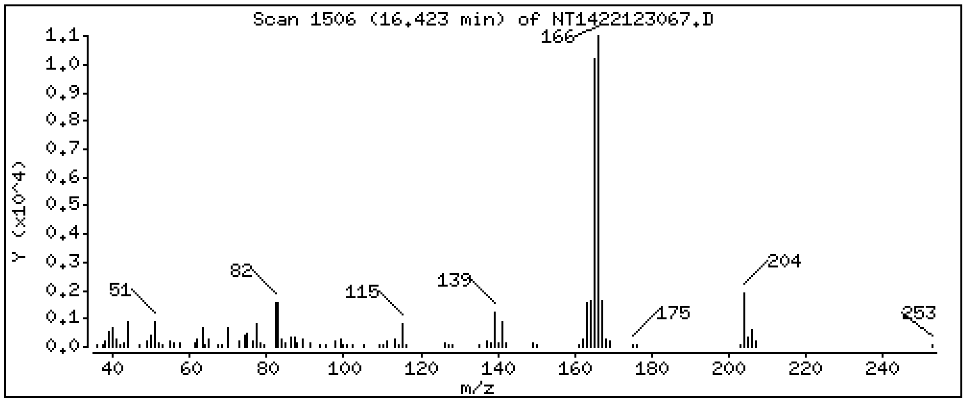
Operator: VTS

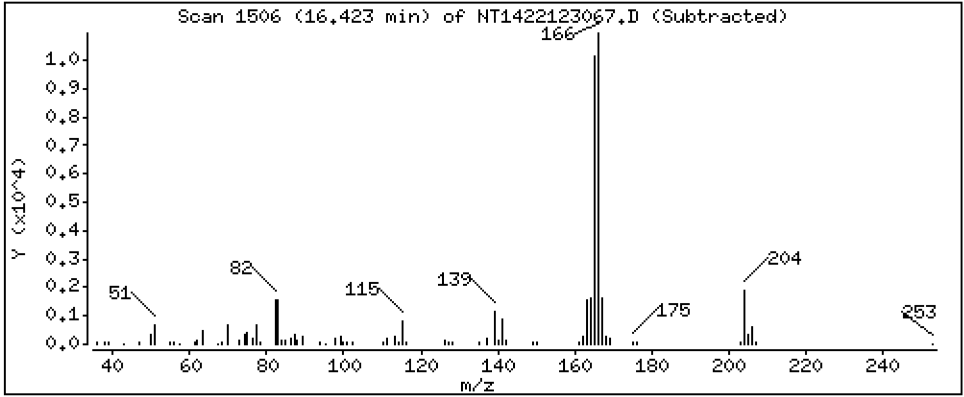
Column phase: ZB-5msi

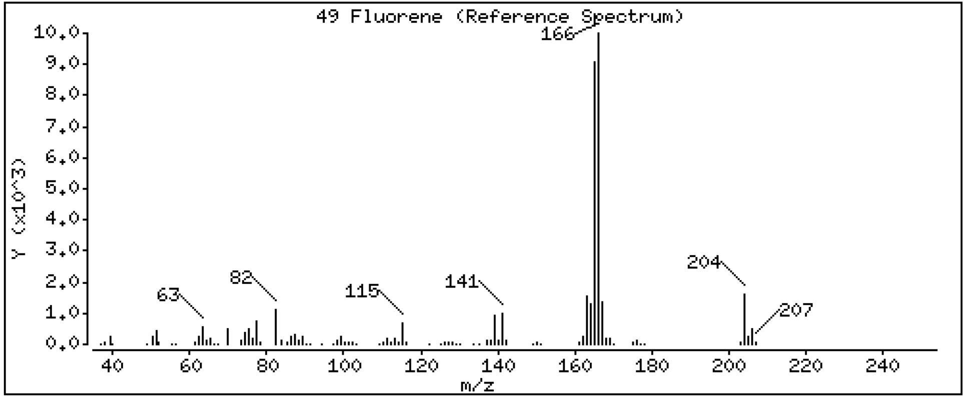
Column diameter: 0.25

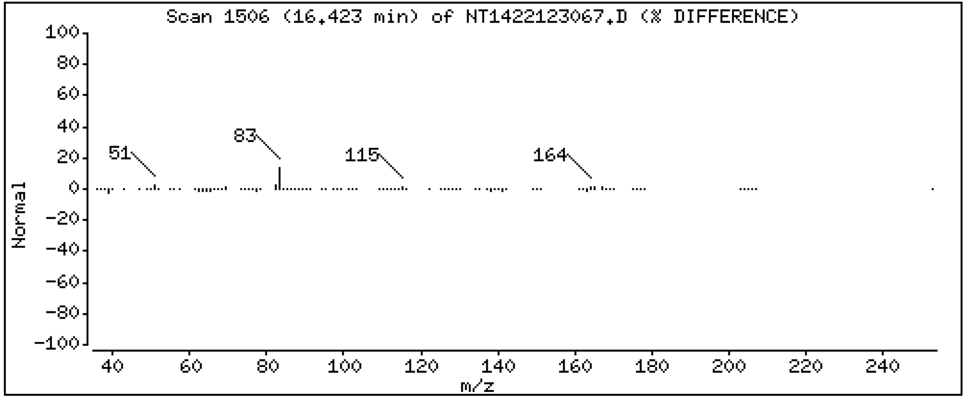
49 Fluorene

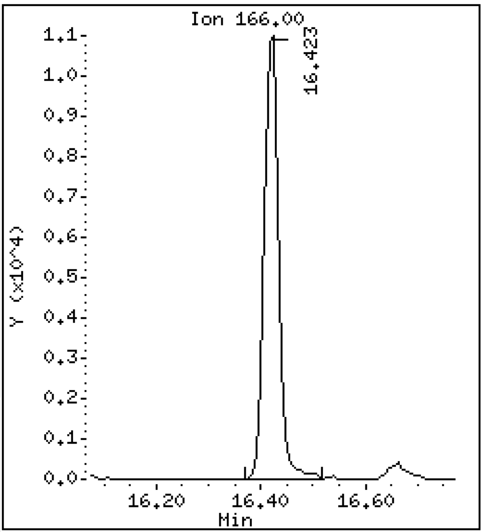
Concentration: 0.2334 ug/mL

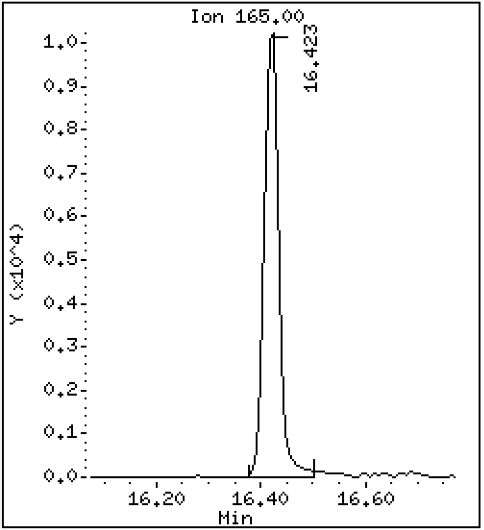


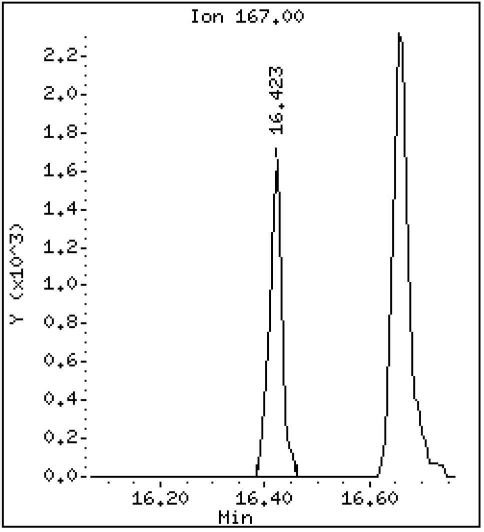












Data File: \\target\share\chem3\nt14.i\20221230C.b\NT1422123067.D

Date : 01-JAN-2023 00:06

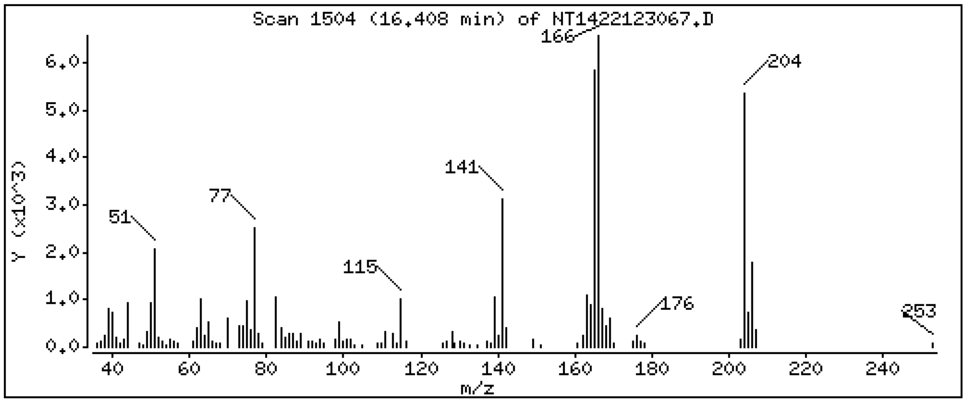
Client ID: Instrument: nt14.i

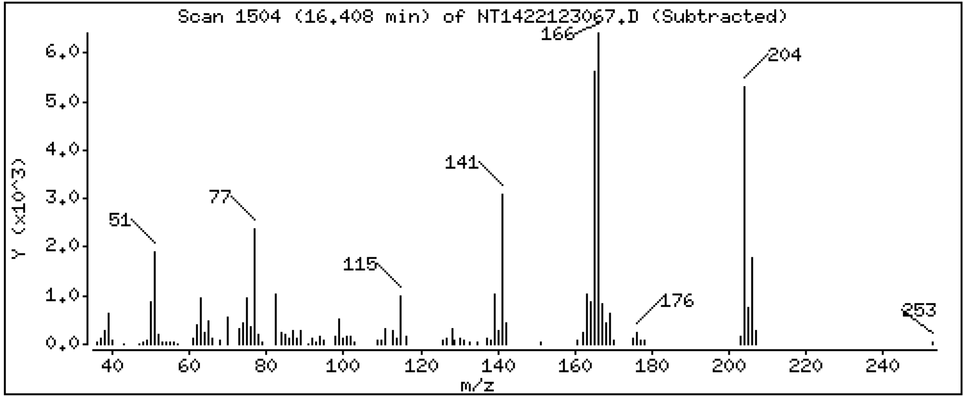
Sample Info: SKL0355-LCV3

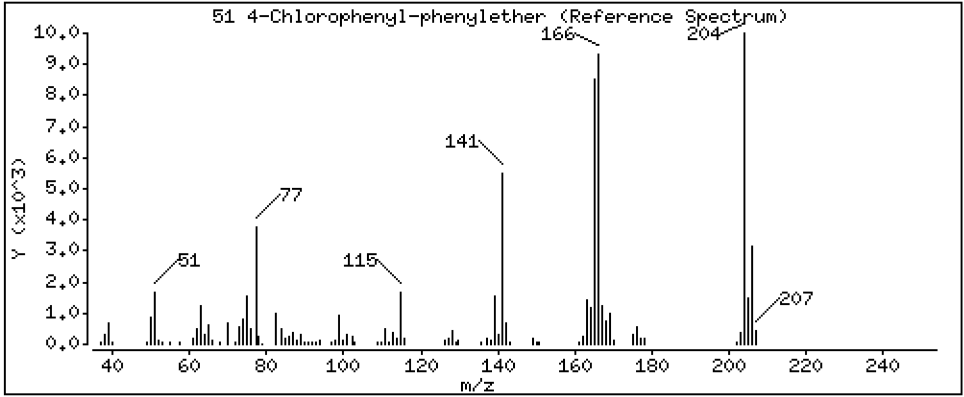
Operator: VTS

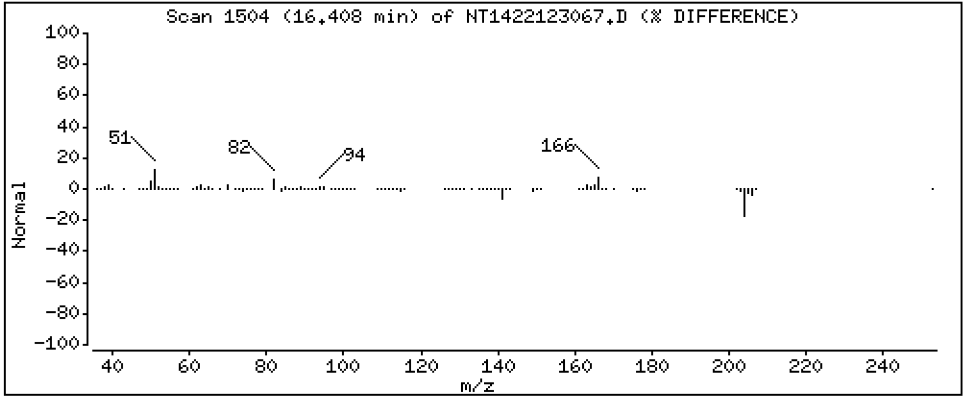
Column phase: ZB-5msi Column diameter: 0.25

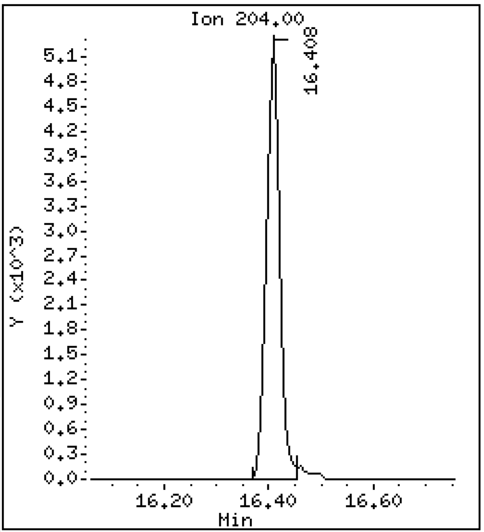
51 4-Chlorophenyl-phenylether Concentration: 0.2115 ug/mL

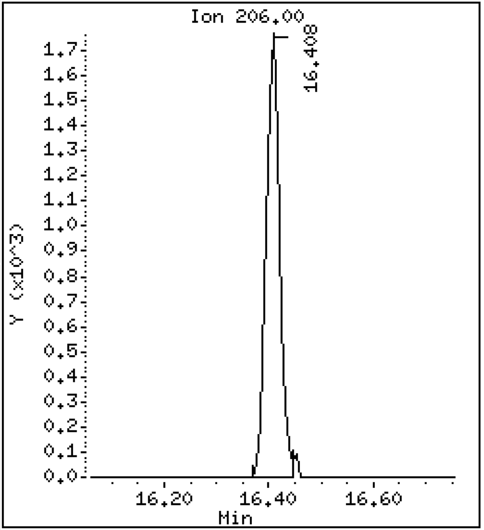

Scan 1504 (16.408 min) of NT1422123067.D

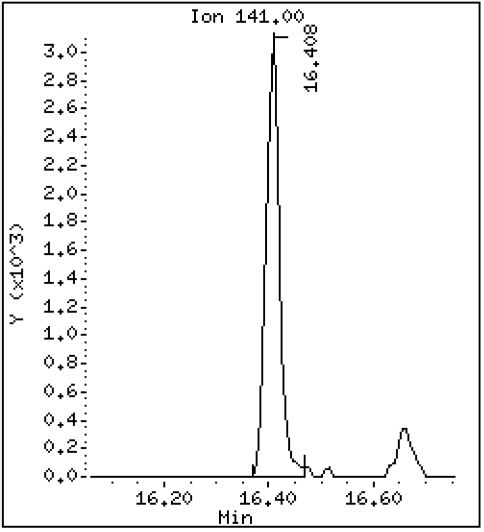

Scan 1504 (16.408 min) of NT1422123067.D (Subtracted)


51 4-Chlorophenyl-phenylether (Reference Spectrum)


Scan 1504 (16.408 min) of NT1422123067.D (% DIFFERENCE)


Ion 204.00


Ion 206.00


Ion 141.00

Data File: \\target\share\chem3\nt14.i\20221230C.b\NT1422123067.D

Date : 01-JAN-2023 00:06

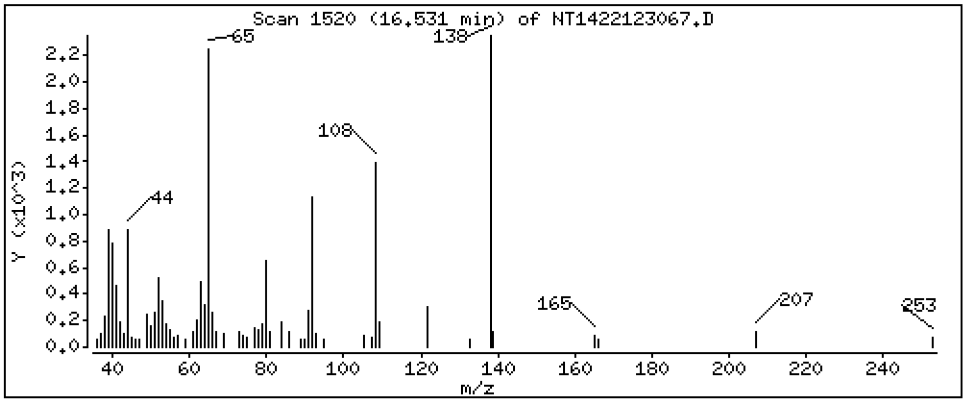
Client ID: Instrument: nt14.i

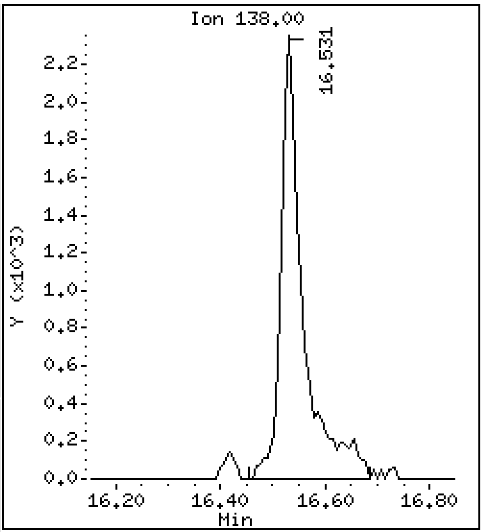
Sample Info: SKL0355-LCV3

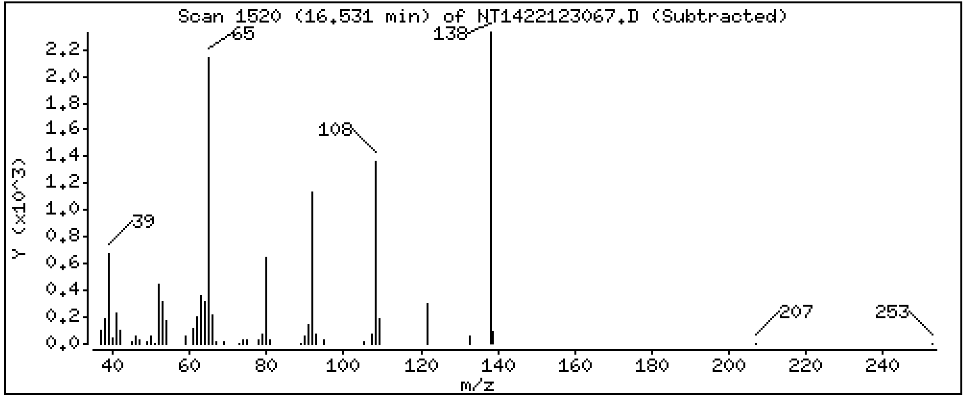
Operator: VTS

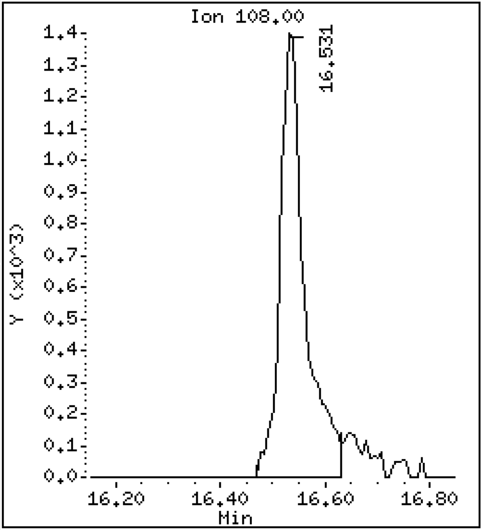
Column phase: ZB-5msi Column diameter: 0.25

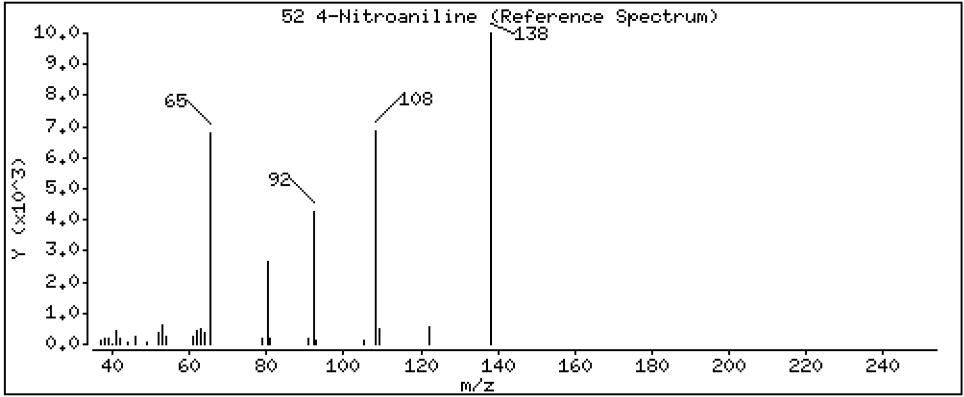
52 4-Nitroaniline Concentration: 0.3738 ug/mL

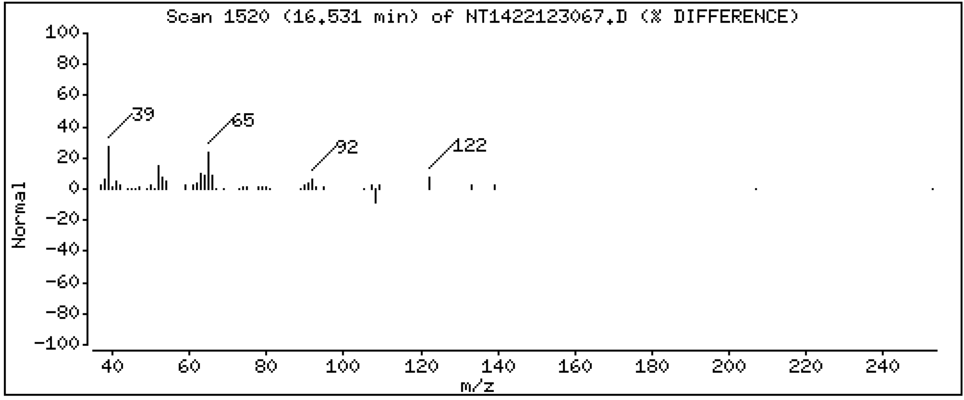

Scan 1520 (16.531 min) of NT1422123067.D

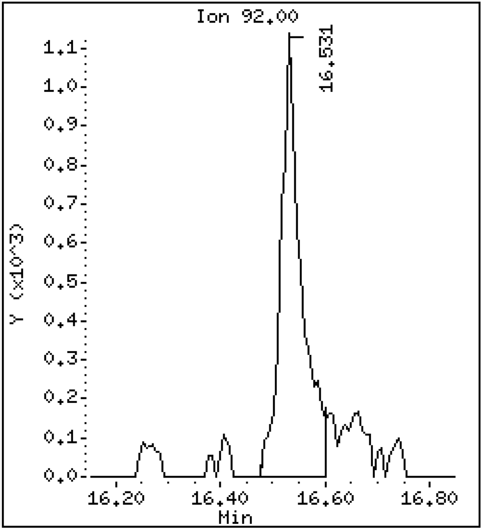

Ion 138.00


Scan 1520 (16.531 min) of NT1422123067.D (Subtracted)


Ion 108.00


52 4-Nitroaniline (Reference Spectrum)


Scan 1520 (16.531 min) of NT1422123067.D (% DIFFERENCE)


Ion 92.00

Data File: \\target\share\chem3\nt14.i\20221230C.b\NT1422123067.D

Date : 01-JAN-2023 00:06

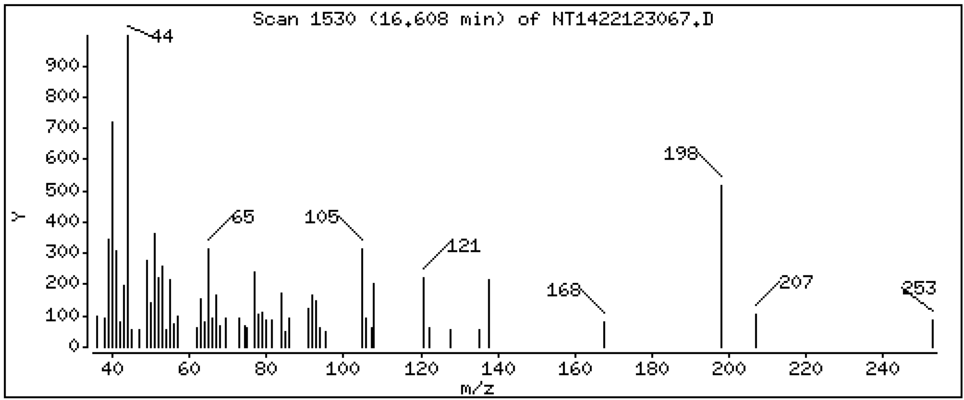
Client ID: Instrument: nt14.i

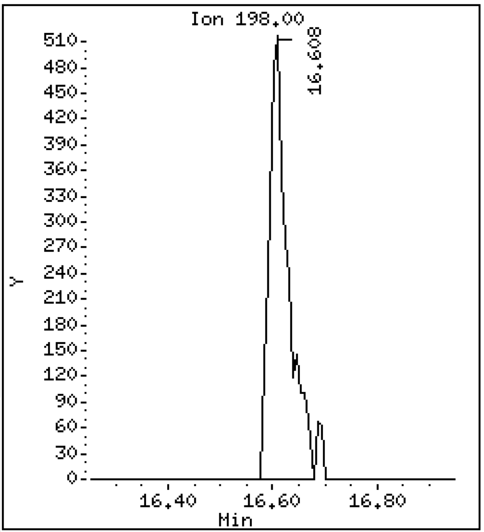
Sample Info: SKL0355-LCV3

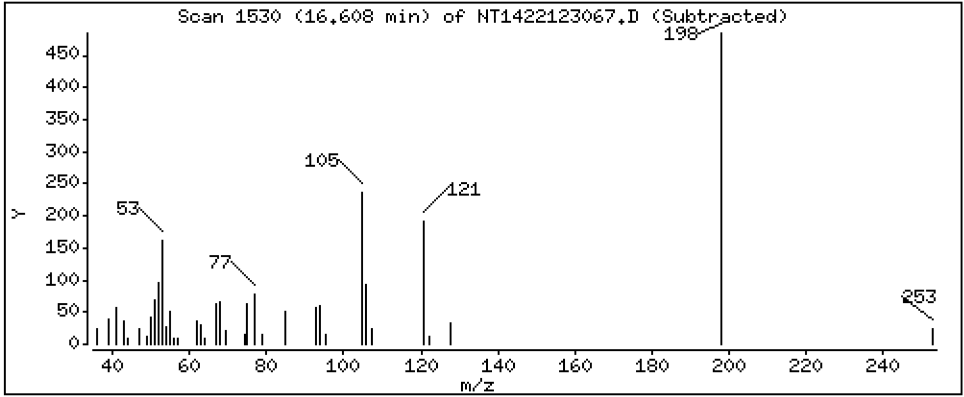
Operator: VTS

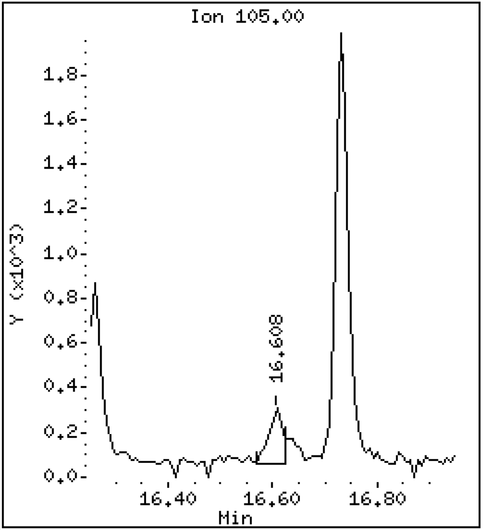
Column phase: ZB-5msi Column diameter: 0.25

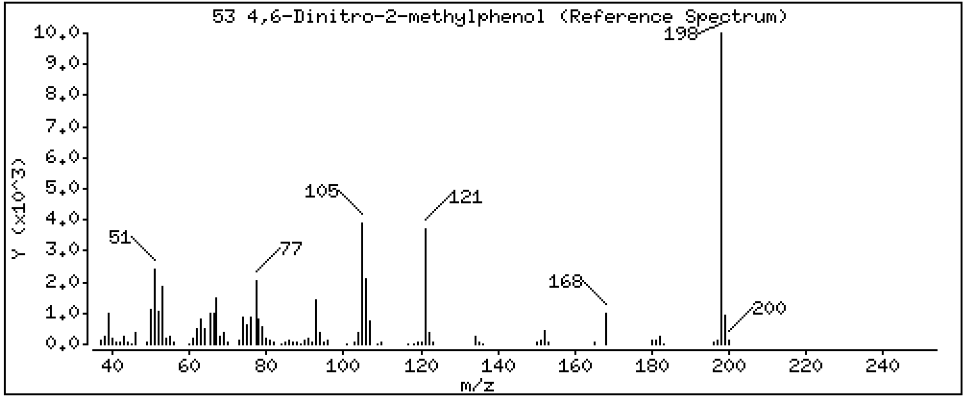
53 4,6-Dinitro-2-methylphenol Concentration: 0.09261 ug/mL

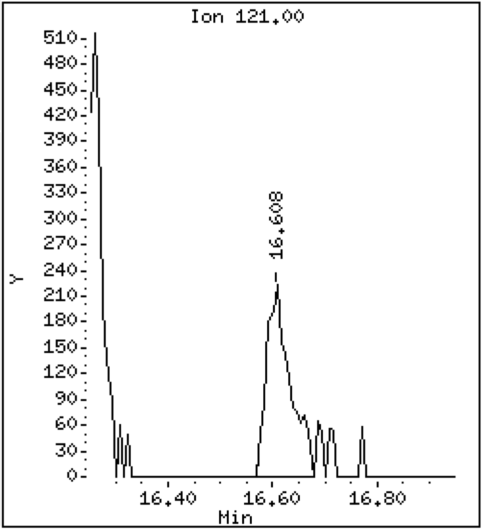

Scan 1530 (16.608 min) of NT1422123067.D

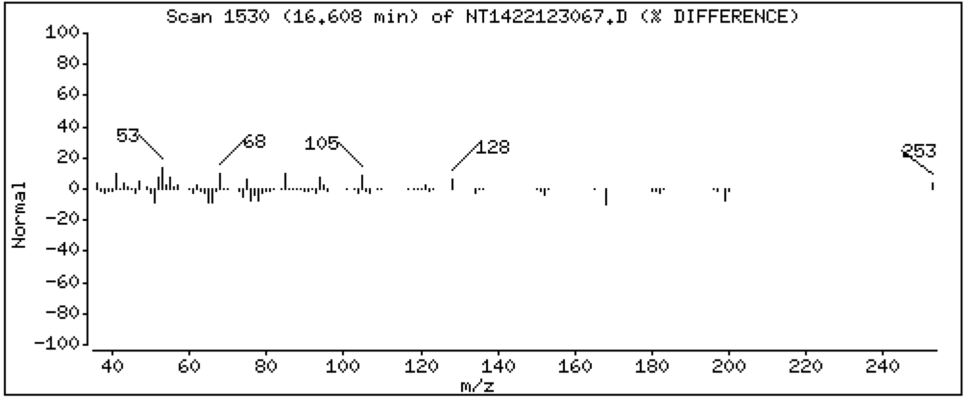

Ion 198.00


Scan 1530 (16.608 min) of NT1422123067.D (Subtracted)


Ion 105.00


53 4,6-Dinitro-2-methylphenol (Reference Spectrum)


Ion 121.00


Scan 1530 (16.608 min) of NT1422123067.D (% DIFFERENCE)

Data File: \\target\share\chem3\nt14.i\20221230C.b\NT1422123067.D

Date : 01-JAN-2023 00:06

Client ID:

Instrument: nt14.i

Sample Info: SKL0355-LCV3

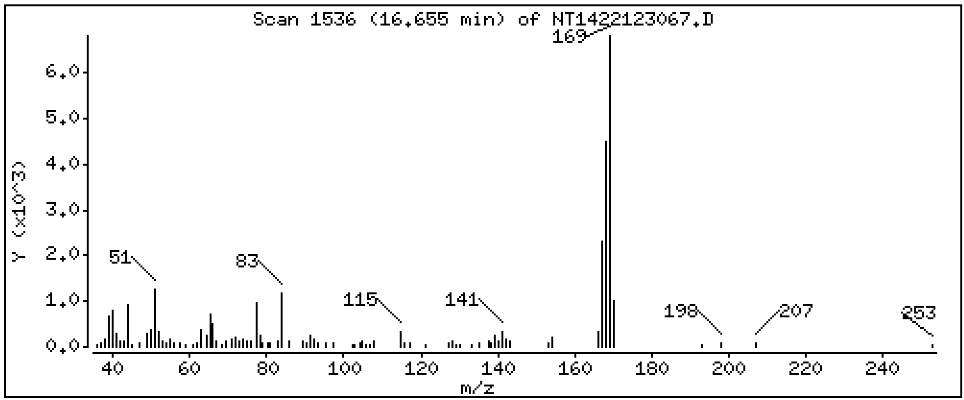
Operator: VTS

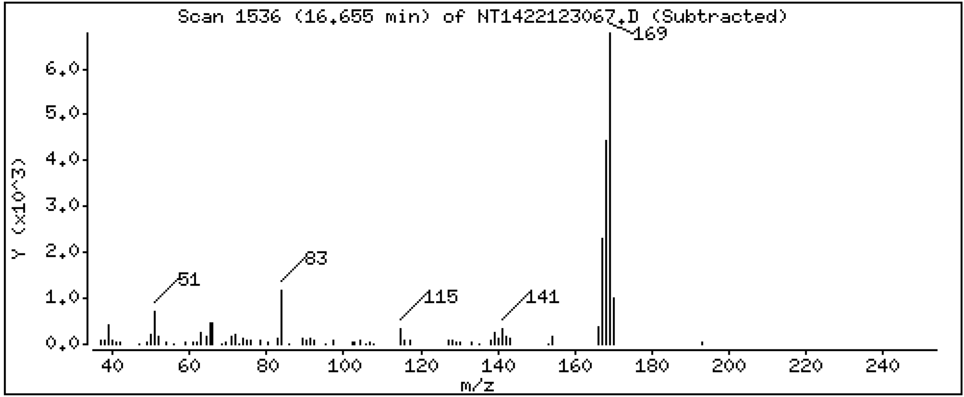
Column phase: ZB-5msi

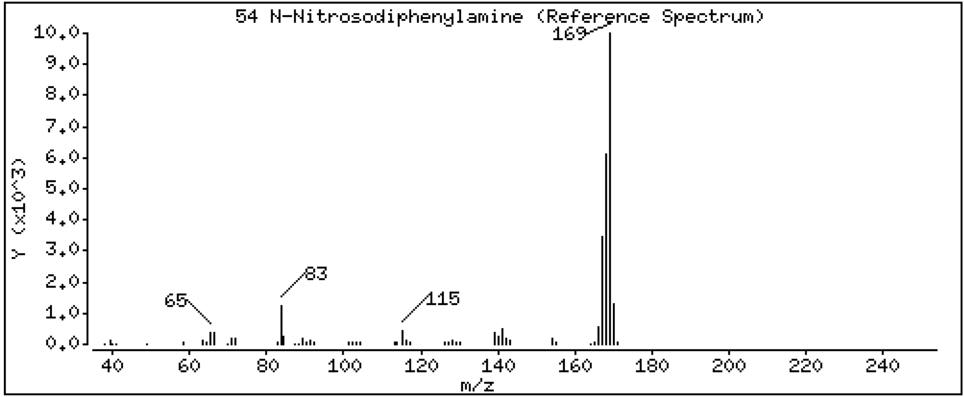
Column diameter: 0.25

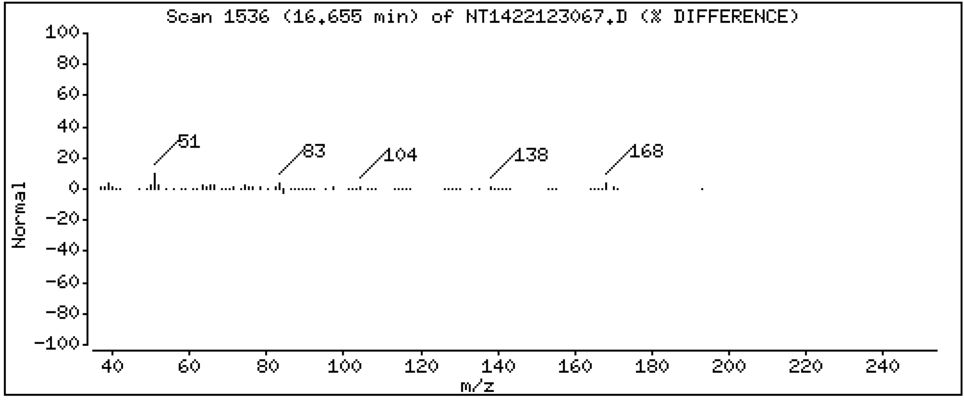
54 N-Nitrosodiphenylamine

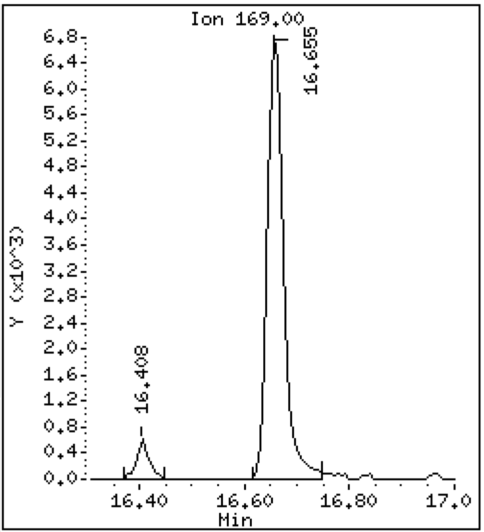
Concentration: 0.2509 ug/mL

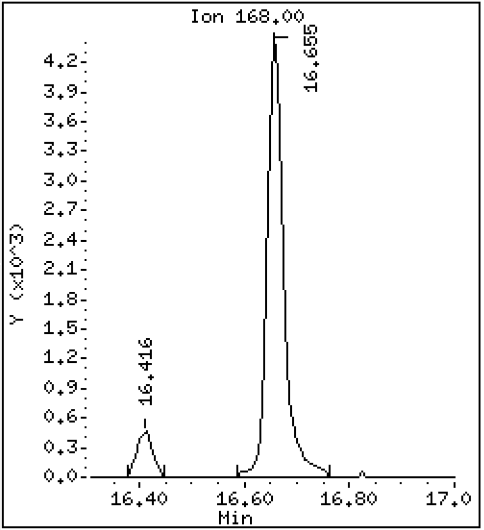

Scan 1536 (16.655 min) of NT1422123067.D


Scan 1536 (16.655 min) of NT1422123067.D (Subtracted)


54 N-Nitrosodiphenylamine (Reference Spectrum)


Scan 1536 (16.655 min) of NT1422123067.D (% DIFFERENCE)


Ion 169.00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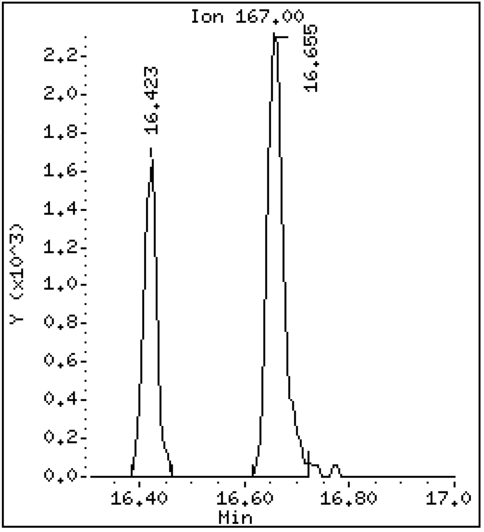

Ion 167.00

Data File: \\target\share\chem3\nt14.i\20221230C.b\NT1422123067.D

Date : 01-JAN-2023 00:06

Client ID:

Instrument: nt14.i

Sample Info: SKL0355-LCV3

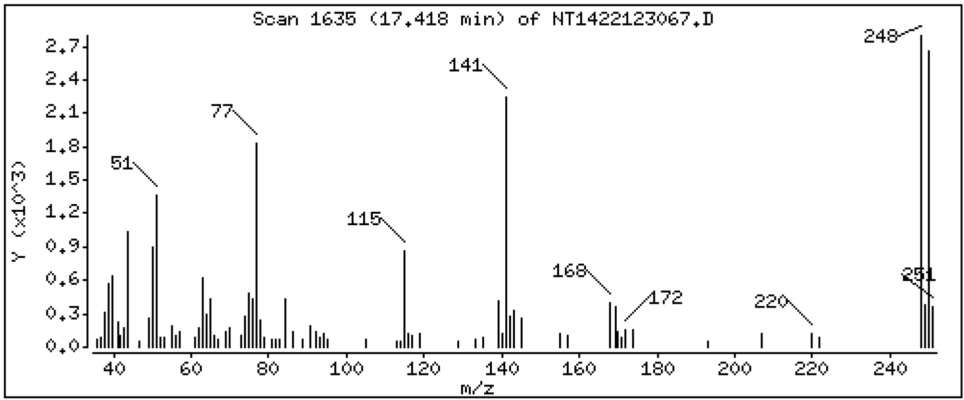
Operator: VTS

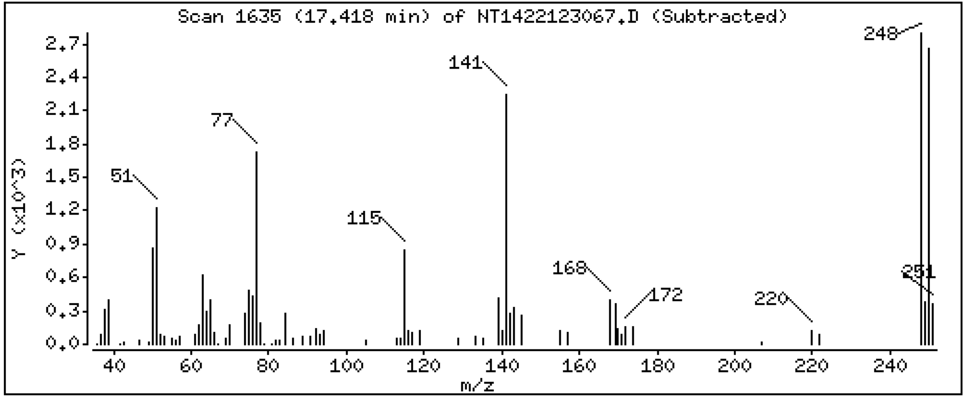
Column phase: ZB-5msi

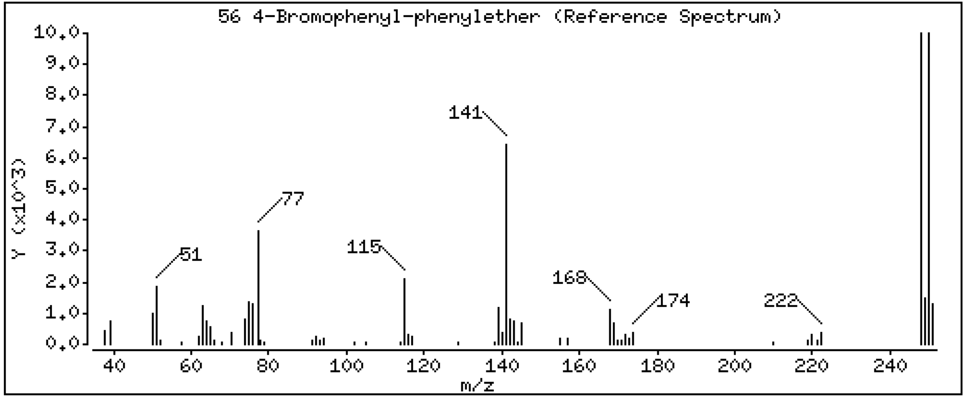
Column diameter: 0.25

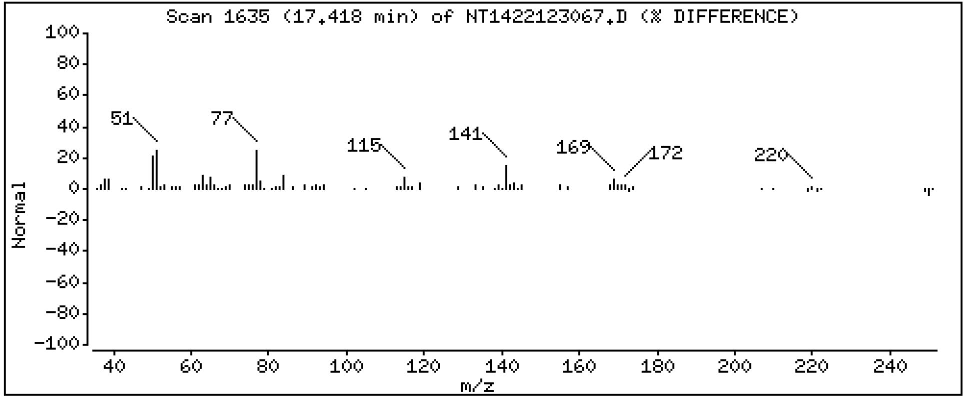
56 4-Bromophenyl-phenylether

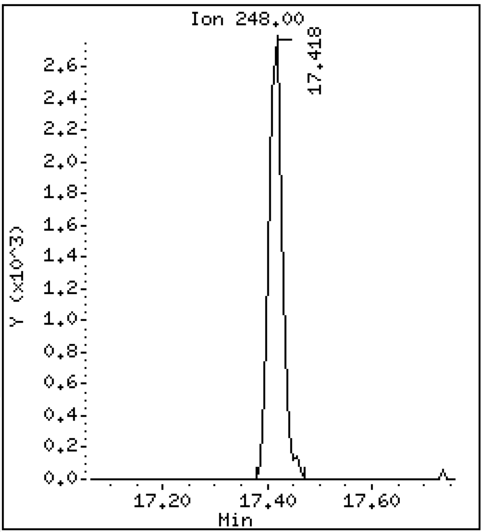
Concentration: 0.2232 ug/mL


Scan 1635 (17.418 min) of NT1422123067.D


Scan 1635 (17.418 min) of NT1422123067.D (Subtracted)


56 4-Bromophenyl-phenylether (Reference Spectrum)


Scan 1635 (17.418 min) of NT1422123067.D (% DIFFERENCE)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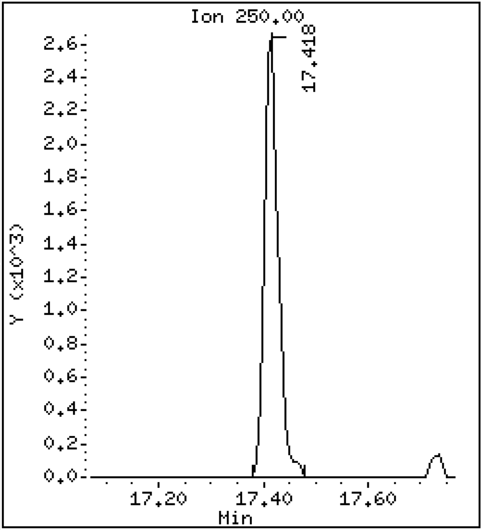
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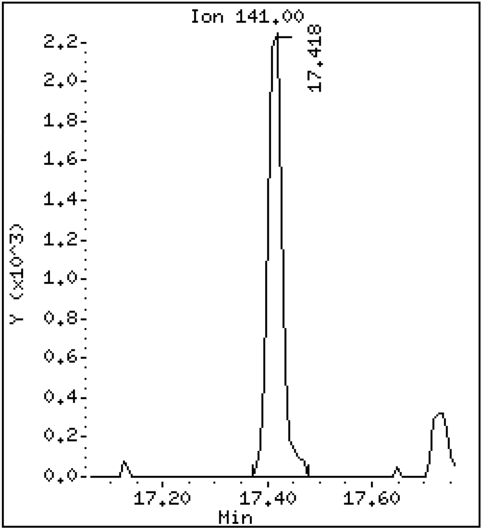

Ion 141.00

Data File: \\target\share\chem3\nt14.i\20221230C.b\NT1422123067.D Page 47

Date : 01-JAN-2023 00:06

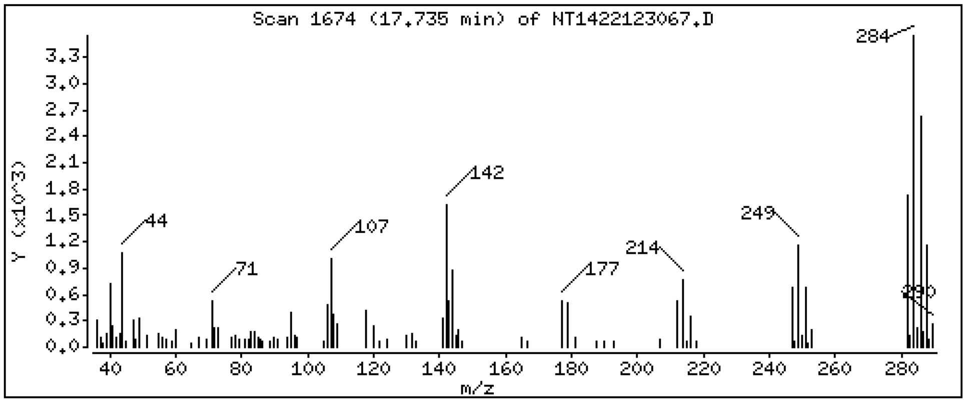
Client ID: Instrument: nt14.i

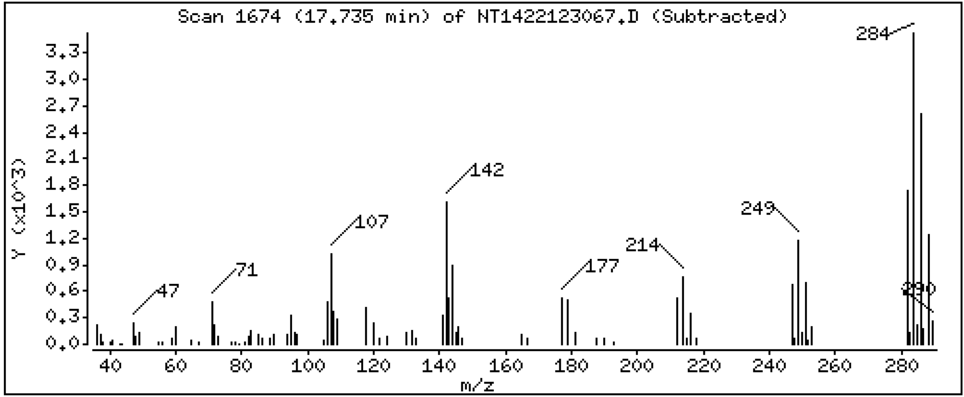
Sample Info: SKL0355-LCV3

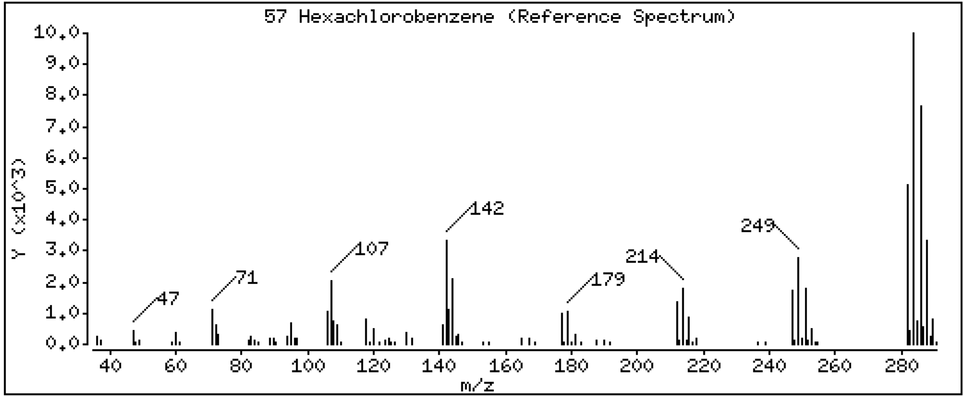
Operator: VTS

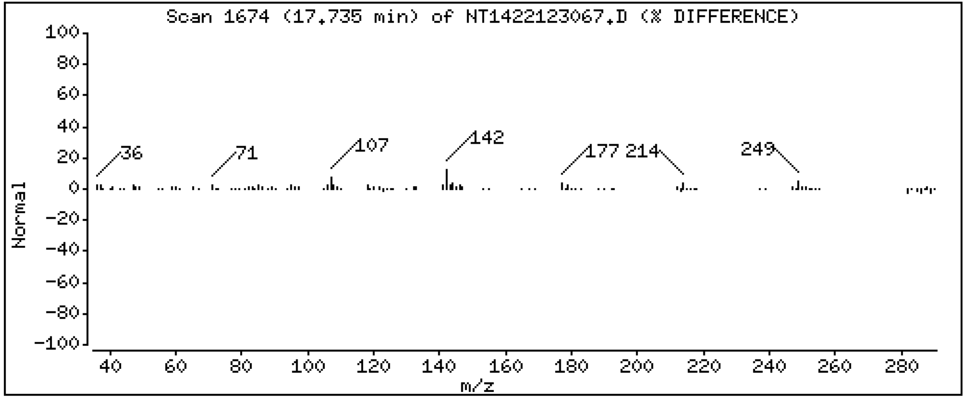
Column phase: ZB-5msi Column diameter: 0.25

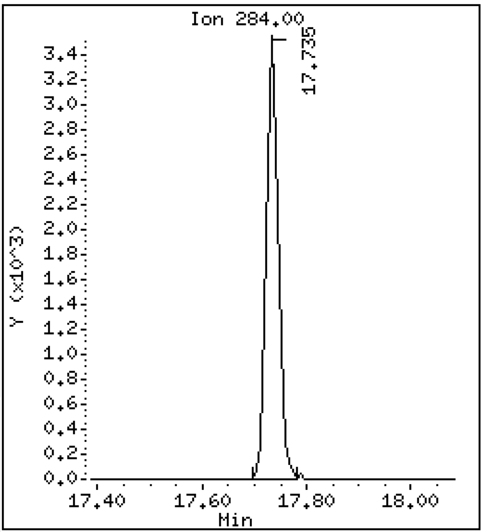
57 Hexachlorobenzene Concentration: 0.2368 ug/mL


Scan 1674 (17.735 min) of NT1422123067.D


Scan 1674 (17.735 min) of NT1422123067.D (Subtracted)


57 Hexachlorobenzene (Reference Spectrum)


Scan 1674 (17.735 min) of NT1422123067.D (% DIFFERENCE)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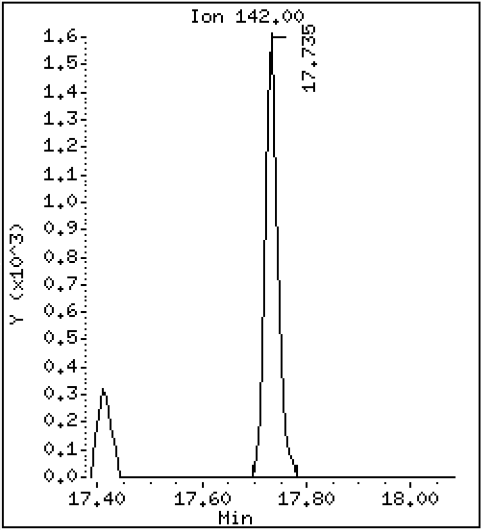
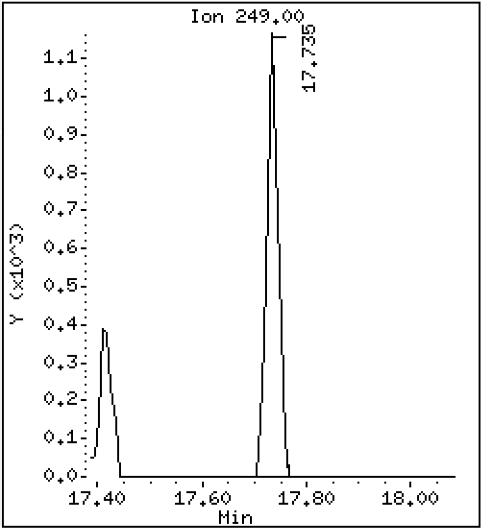

Ion 142.00


Ion 249.00

Data File: \\target\share\chem3\nt14.i\20221230C.b\NT1422123067.D

Date : 01-JAN-2023 00:06

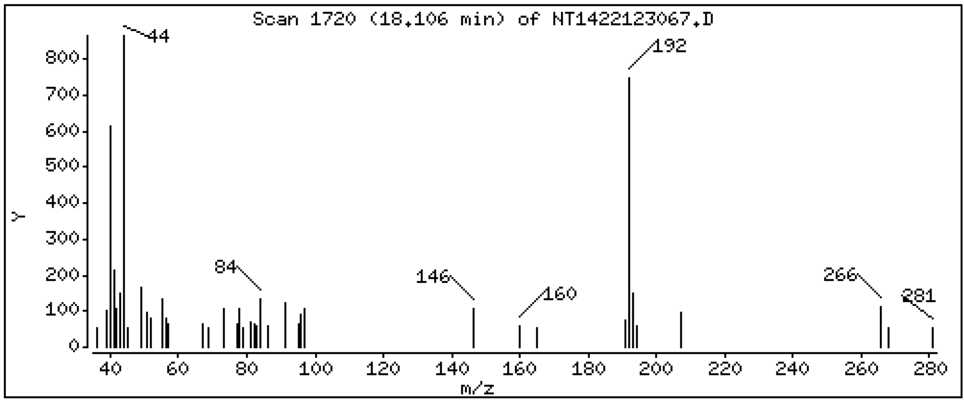
Client ID: Instrument: nt14.i

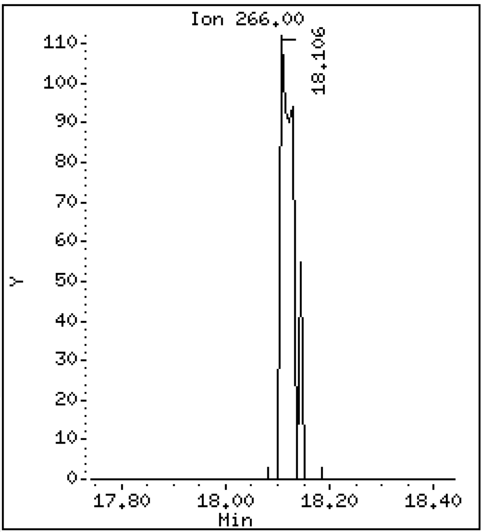
Sample Info: SKL0355-LCV3

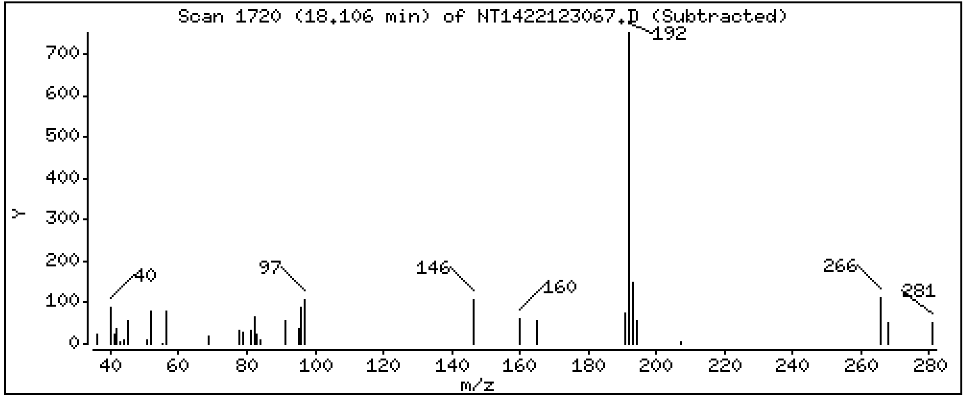
Operator: VTS

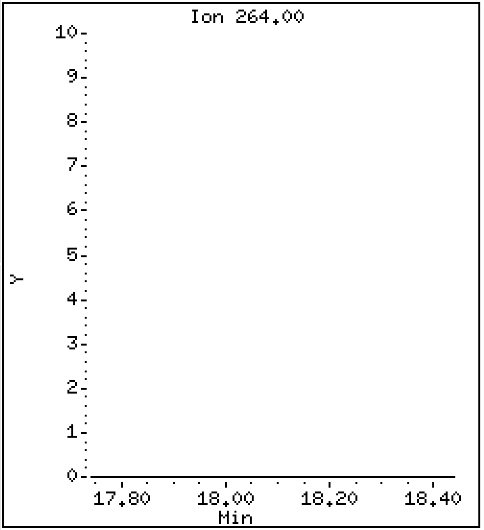
Column phase: ZB-5msi Column diameter: 0.25

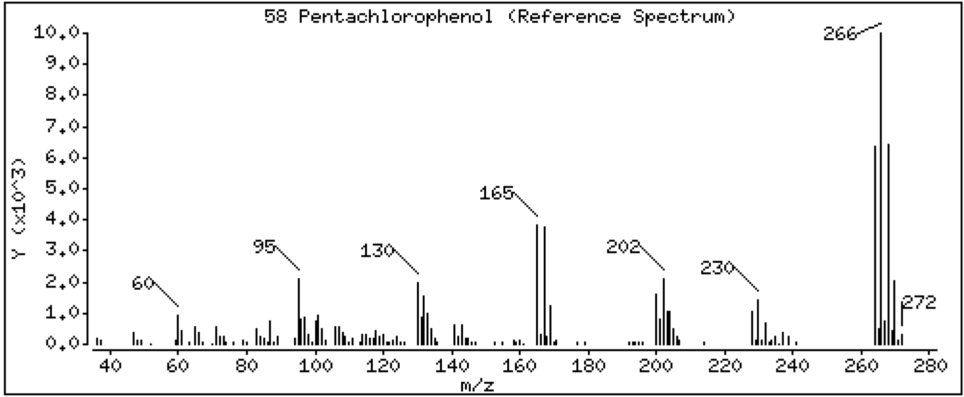
58 Pentachlorophenol Concentration: 0.02024 ug/mL

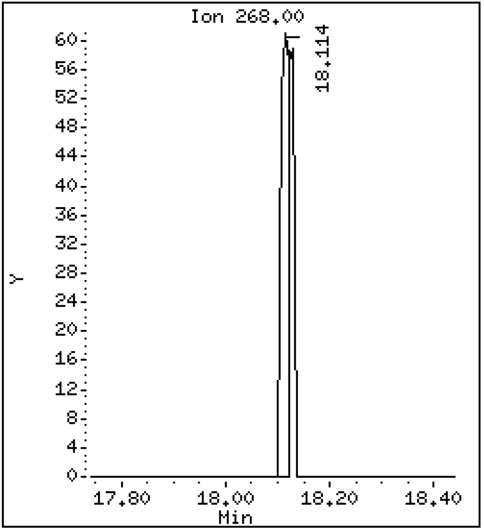


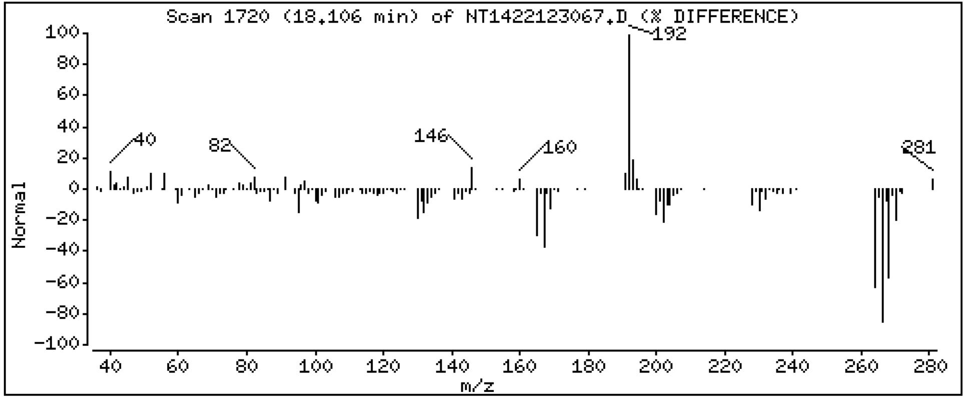












Data File: \\target\share\chem3\nt14.i\20221230C.b\NT1422123067.D

Date : 01-JAN-2023 00:06

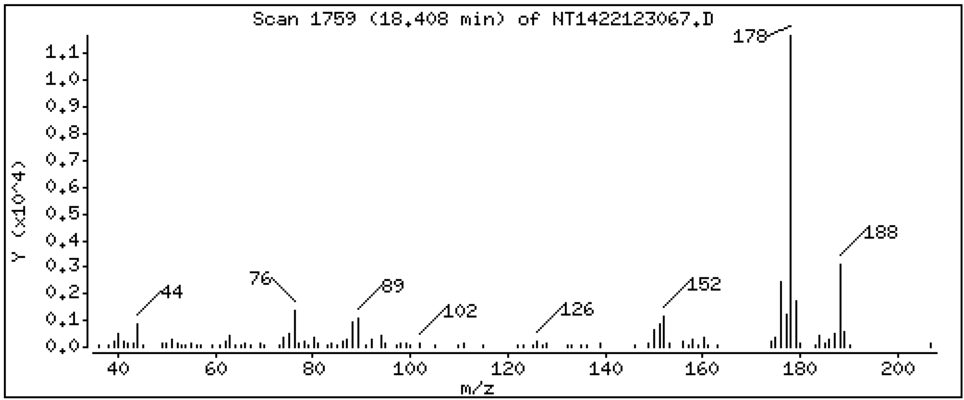
Client ID: Instrument: nt14.i

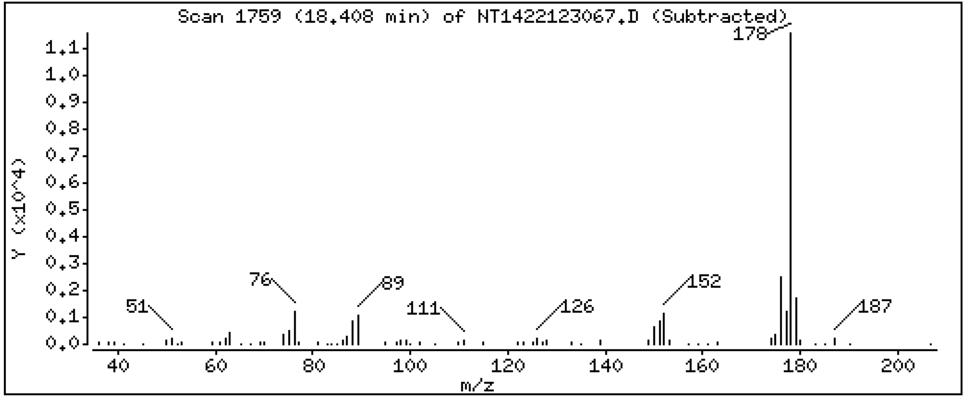
Sample Info: SKL0355-LCV3

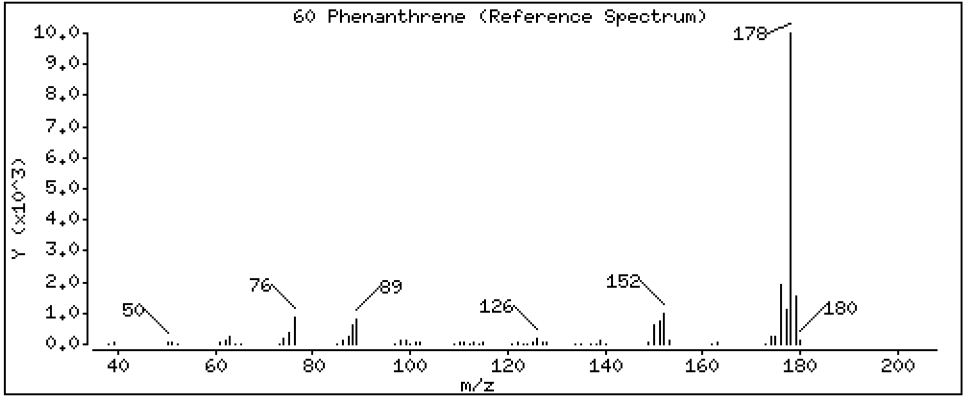
Operator: VTS

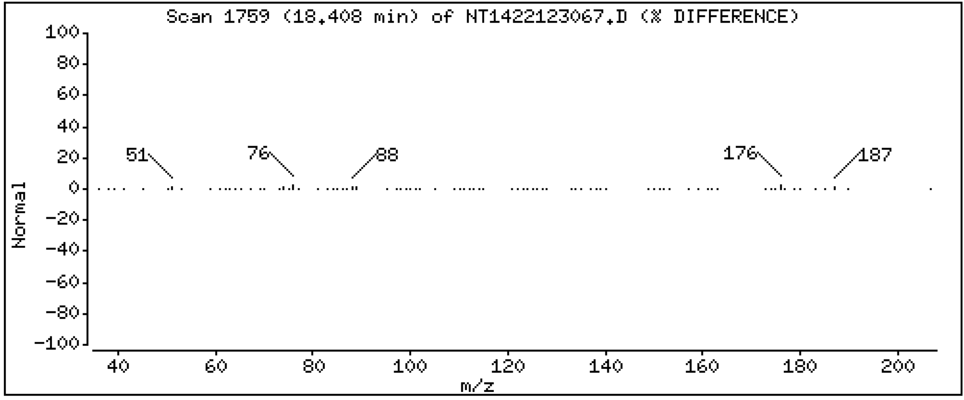
Column phase: ZB-5msi Column diameter: 0.25

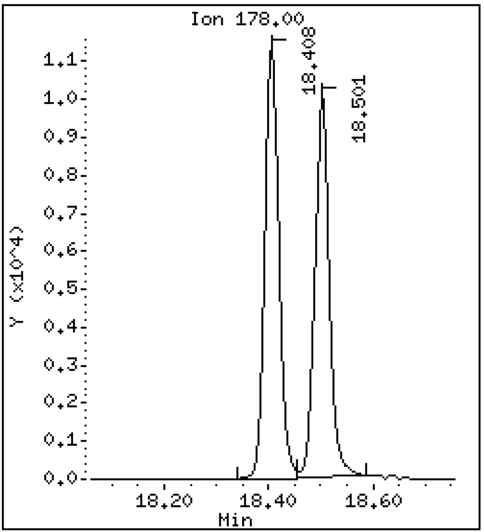
60 Phenanthrene Concentration: 0.2396 ug/mL

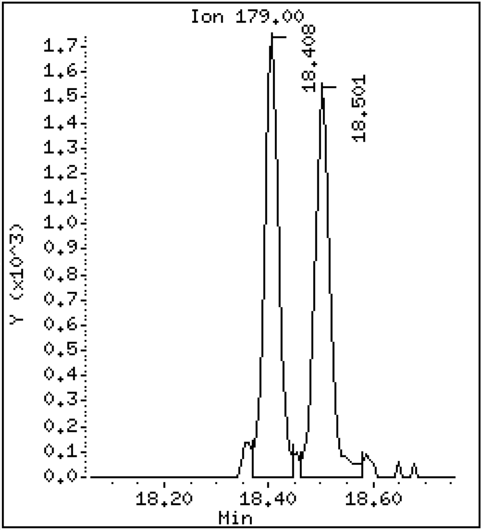


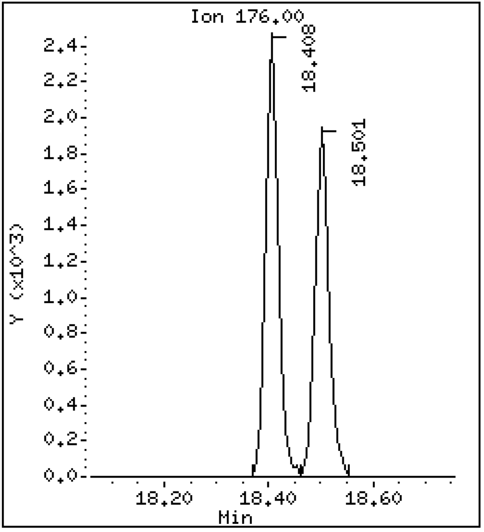












Data File: \\target\share\chem3\nt14.i\20221230C.b\NT1422123067.D

Date : 01-JAN-2023 00:06

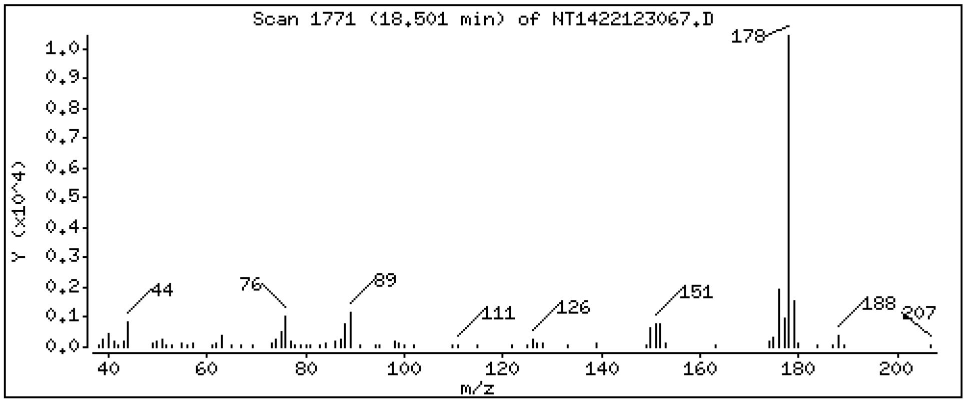
Client ID: Instrument: nt14.i

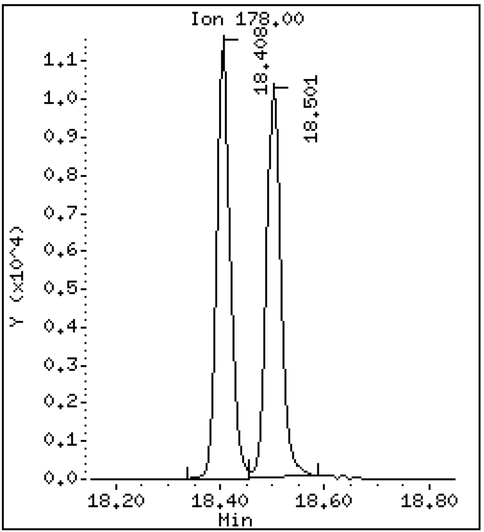
Sample Info: SKL0355-LCV3

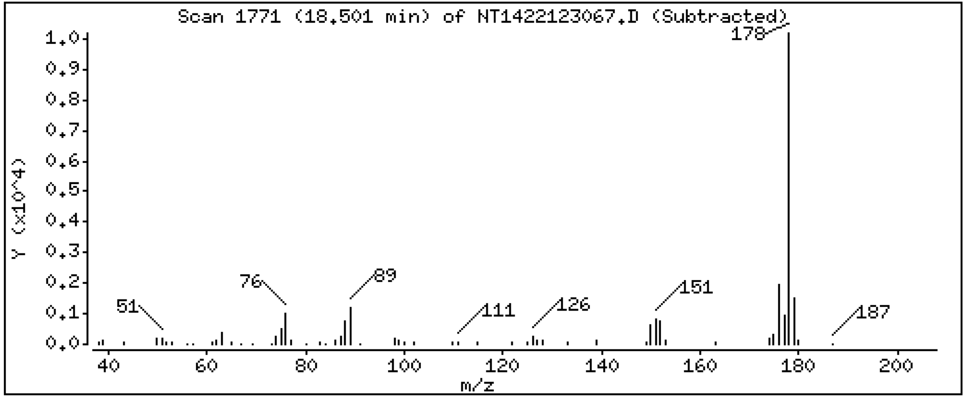
Operator: VTS

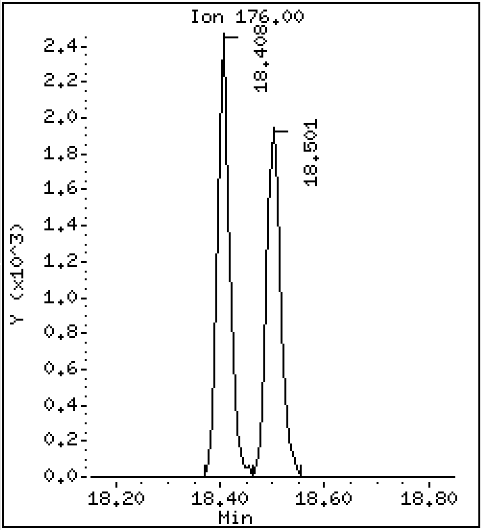
Column phase: ZB-5msi Column diameter: 0.25

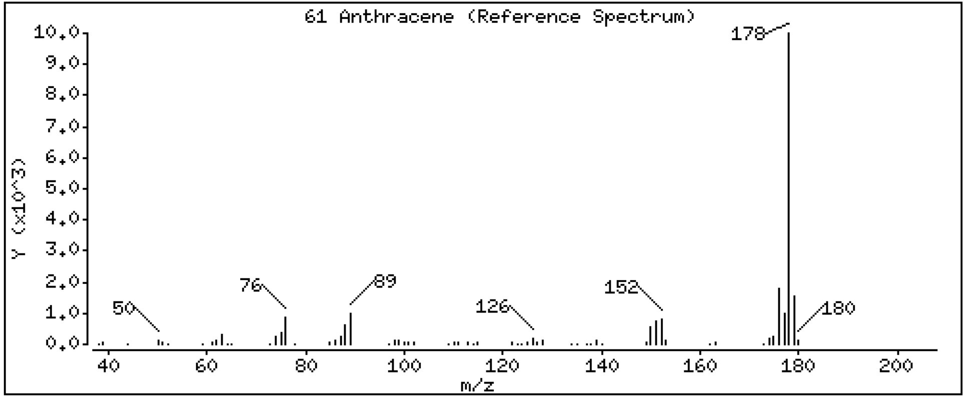
61 Anthracene Concentration: 0.2322 ug/mL

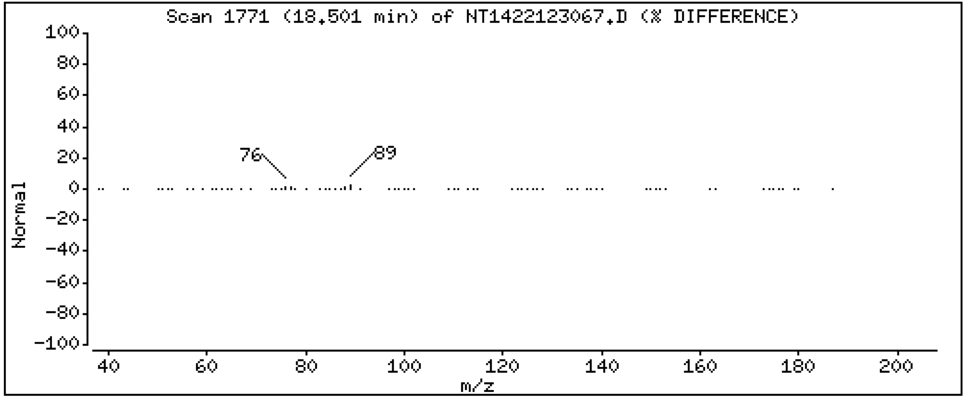


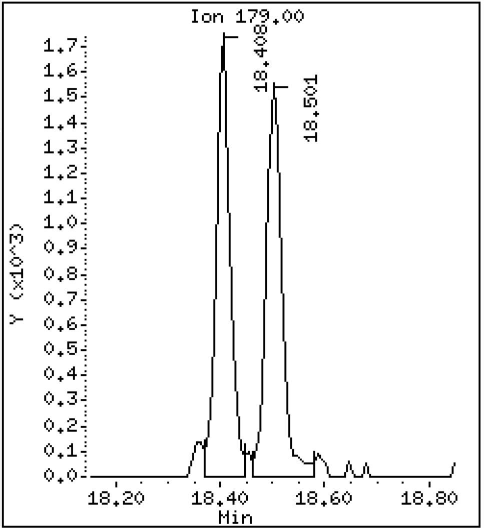












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Date : 01-JAN-2023 00:06

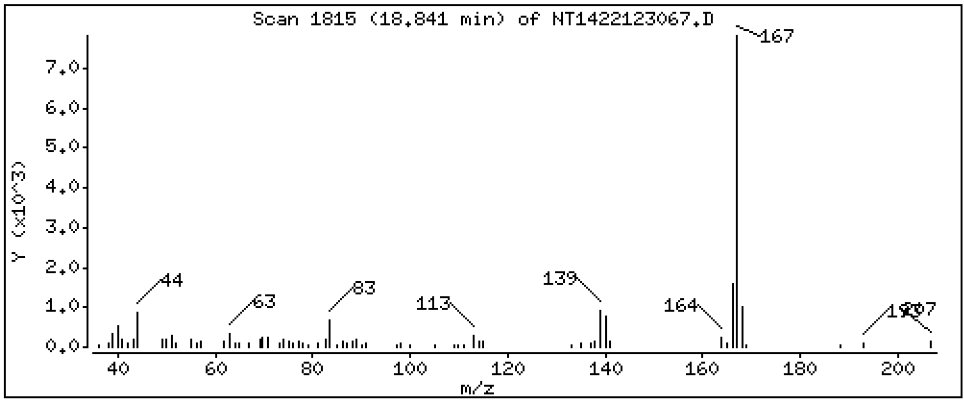
Client ID: Instrument: nt14.i

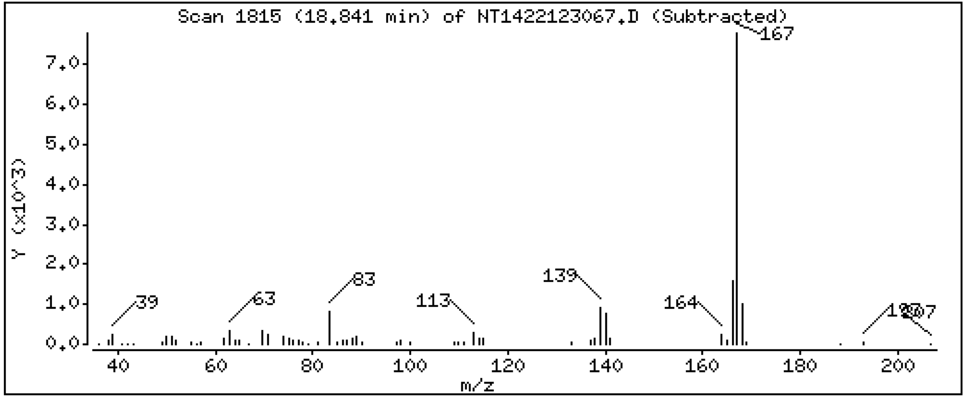
Sample Info: SKL0355-LCV3

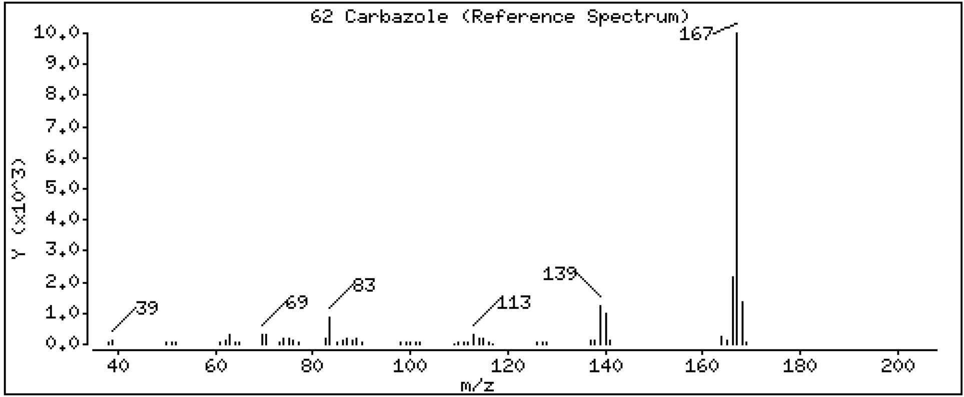
Operator: VTS

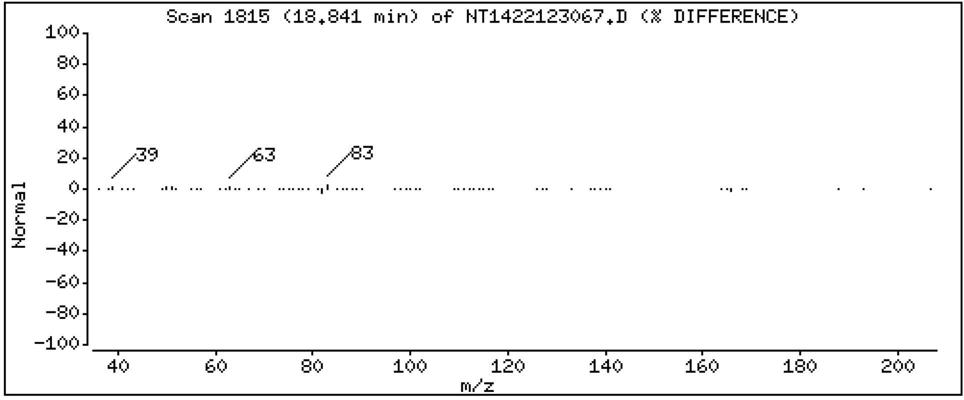
Column phase: ZB-5msi Column diameter: 0.25

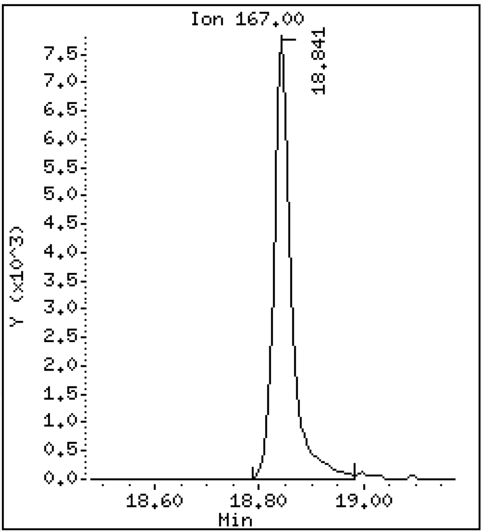
62 Carbazole Concentration: 0.2308 ug/mL

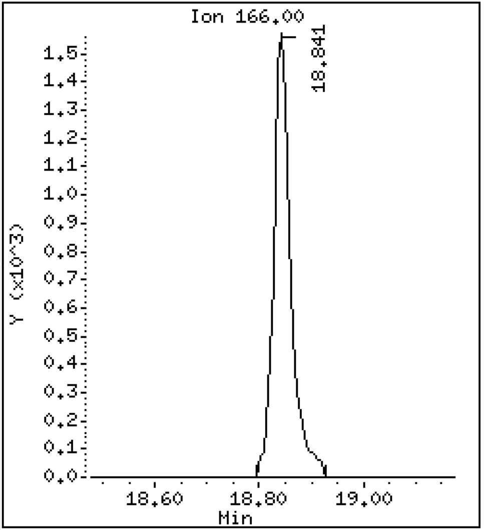


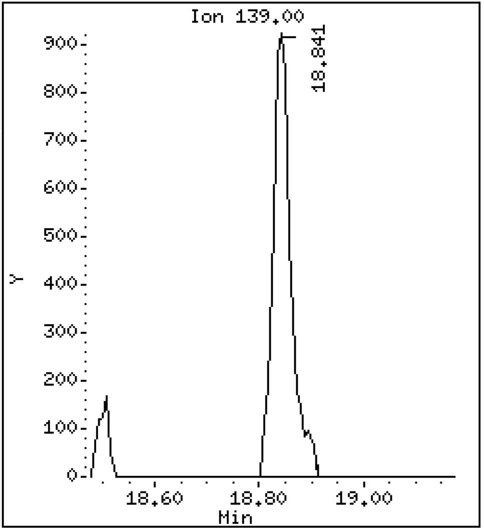












Data File: \\target\share\chem3\nt14.i\20221230C.b\NT1422123067.D

Date : 01-JAN-2023 00:06

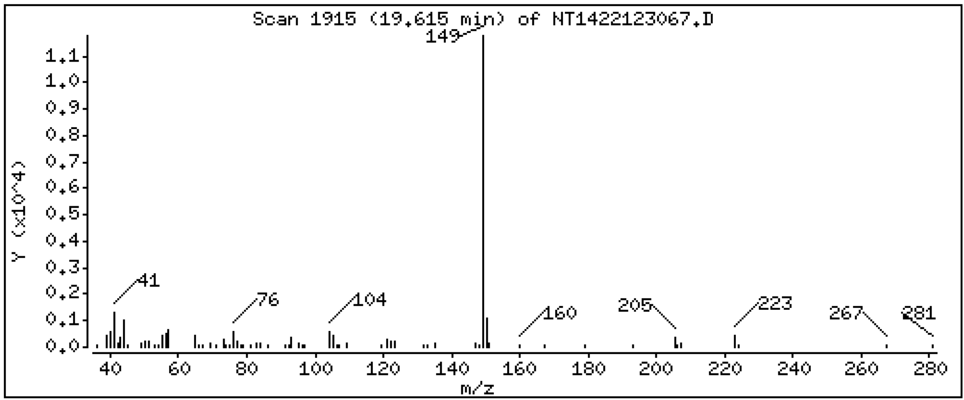
Client ID: Instrument: nt14.i

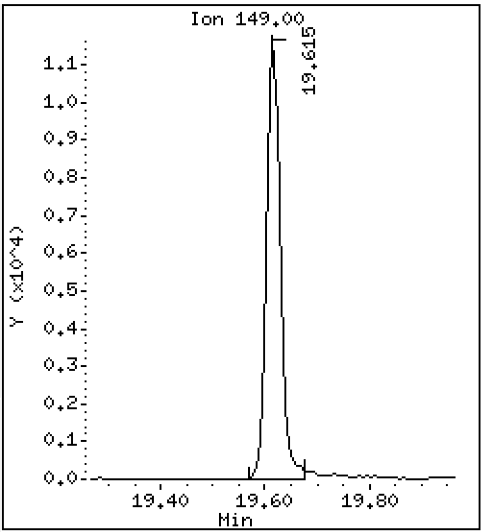
Sample Info: SKL0355-LCV3

Operator: VTS

Column phase: ZB-5msi Column diameter: 0.25

63 Di-n-butylphthalate Concentration: 0.2273 ug/mL


Scan 1915 (19.615 min) of NT1422123067.D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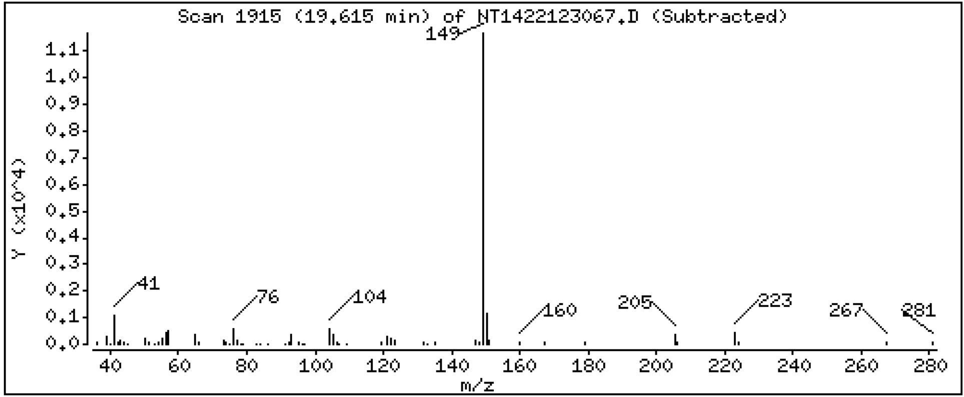
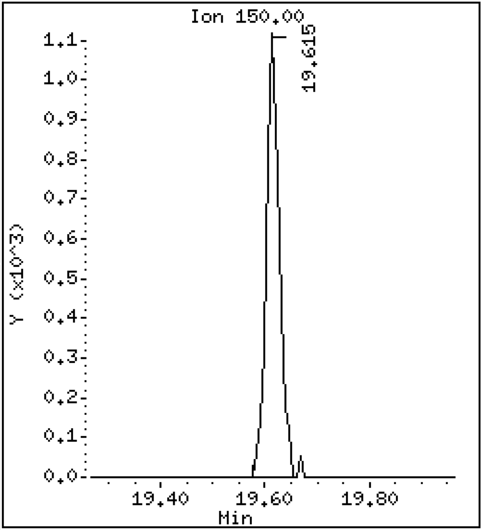

Scan 1915 (19.615 min) of NT1422123067.D (Subtracted)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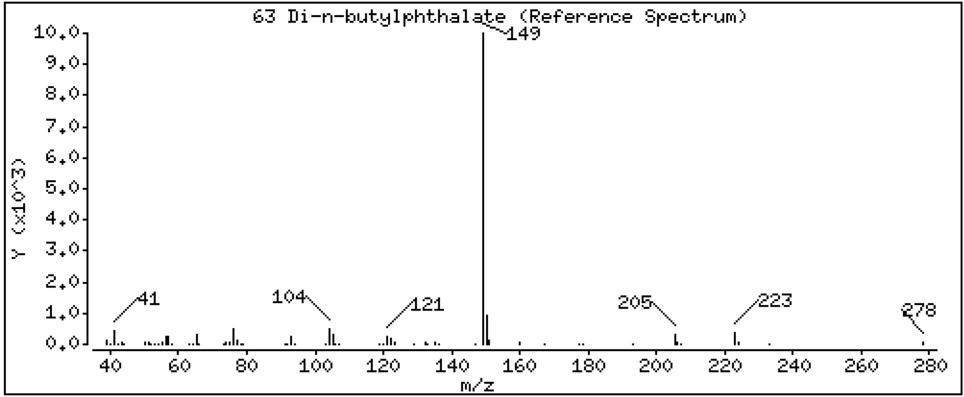
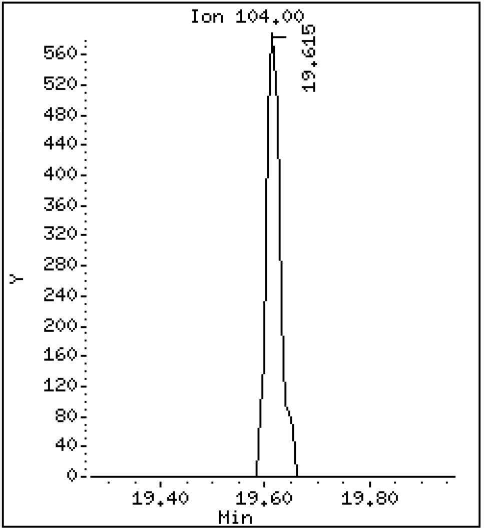
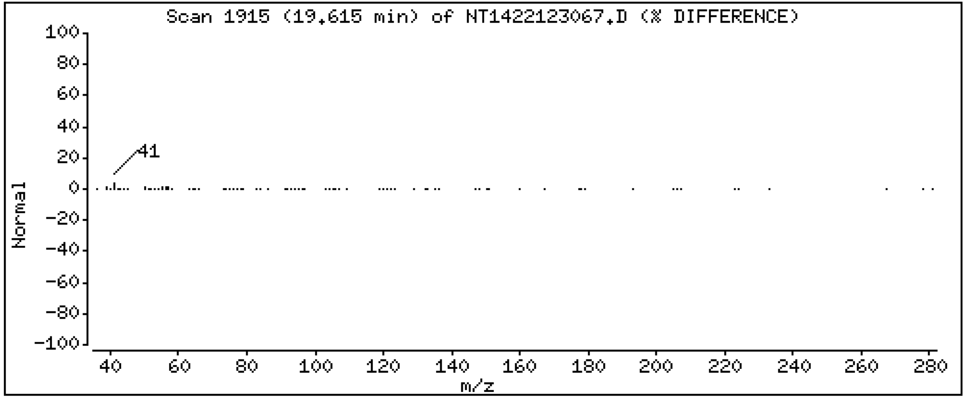

63 Di-n-butylphthalate (Reference Spectrum)


Ion 104.00


Scan 1915 (19.615 min) of NT1422123067.D (% DIFFERENCE)

Data File: \\target\share\chem3\nt14.i\20221230C.b\NT1422123067.D

Date : 01-JAN-2023 00:06

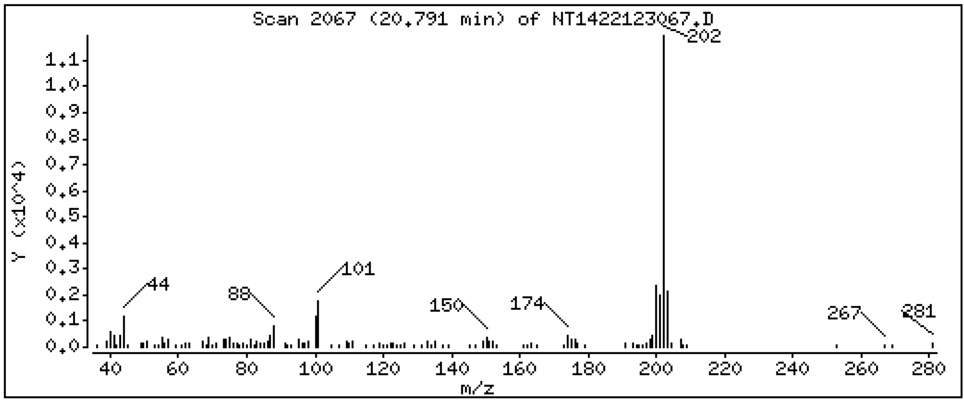
Client ID: Instrument: nt14.i

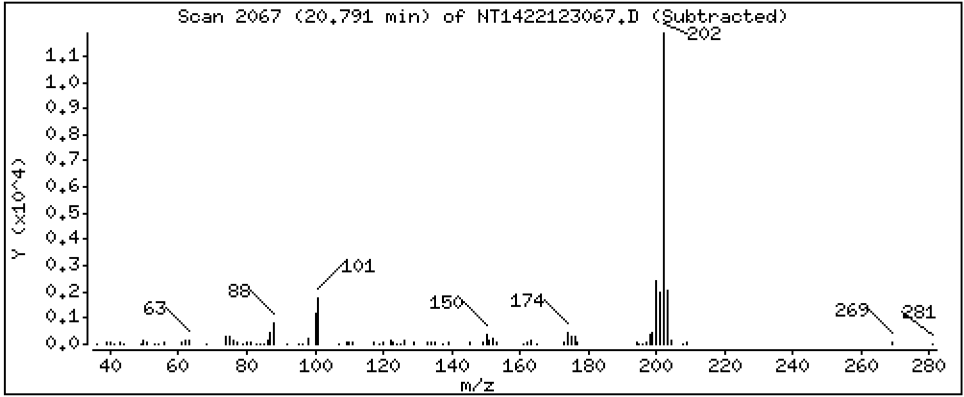
Sample Info: SKL0355-LCV3

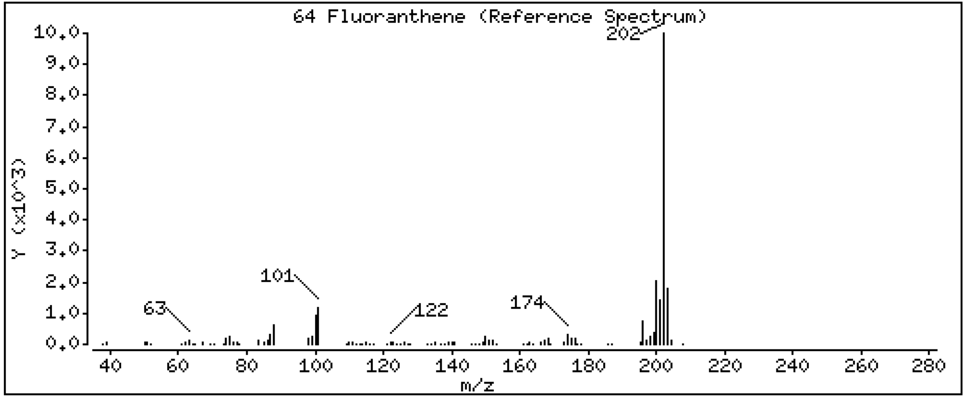
Operator: VTS

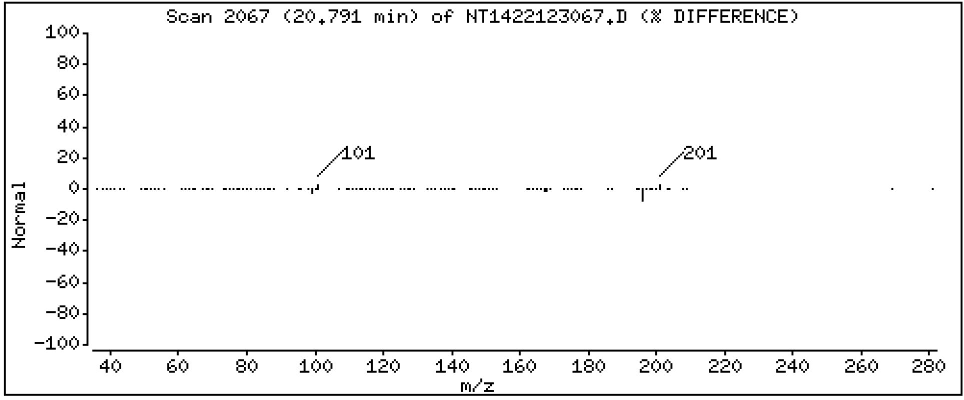
Column phase: ZB-5msi Column diameter: 0.25

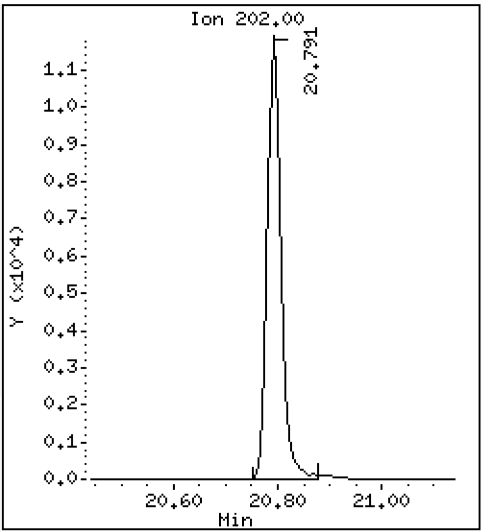
64 Fluoranthene Concentration: 0.2381 ug/mL


Scan 2067 (20.791 min) of NT1422123067.D


Scan 2067 (20.791 min) of NT1422123067.D (Subtracted)


64 Fluoranthene (Reference Spectrum)


Scan 2067 (20.791 min) of NT1422123067.D (% DIFFERENCE)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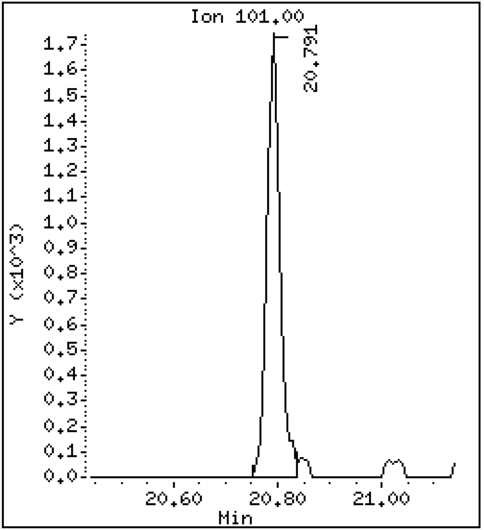
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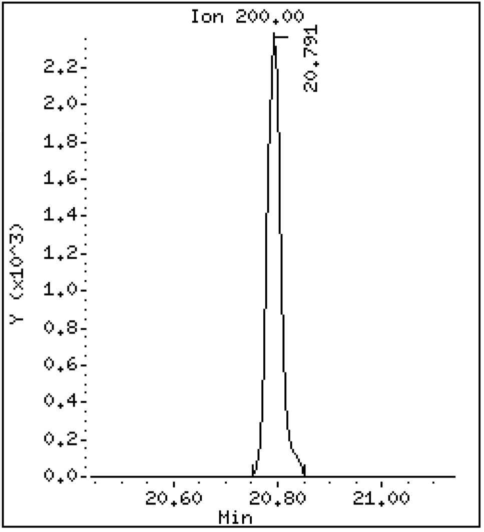
Ion 200.00

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Date : 01-JAN-2023 00:06

Client ID:

Instrument: nt14.i

Sample Info: SKL0355-LCV3

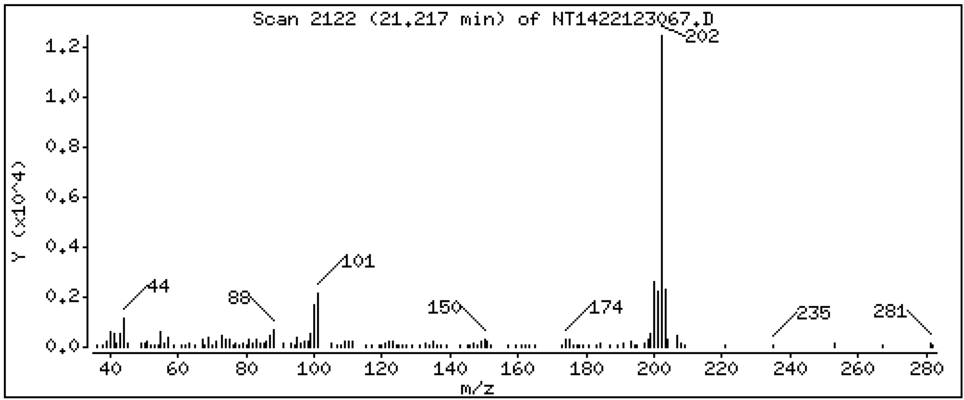
Operator: VTS

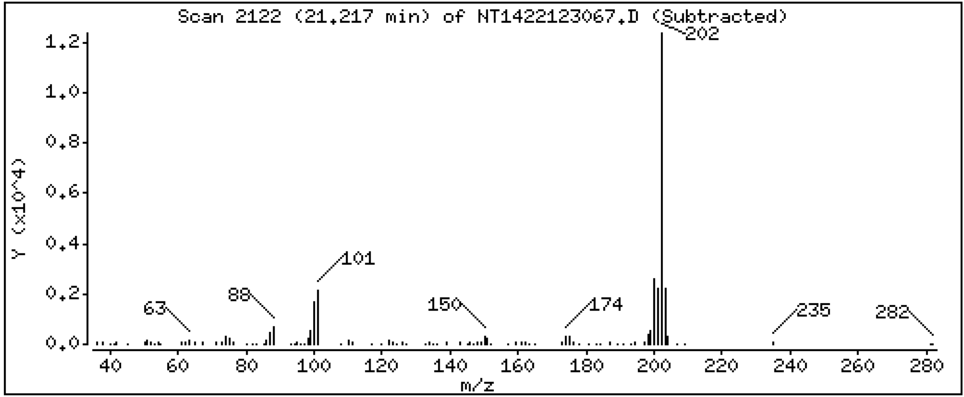
Column phase: ZB-5msi

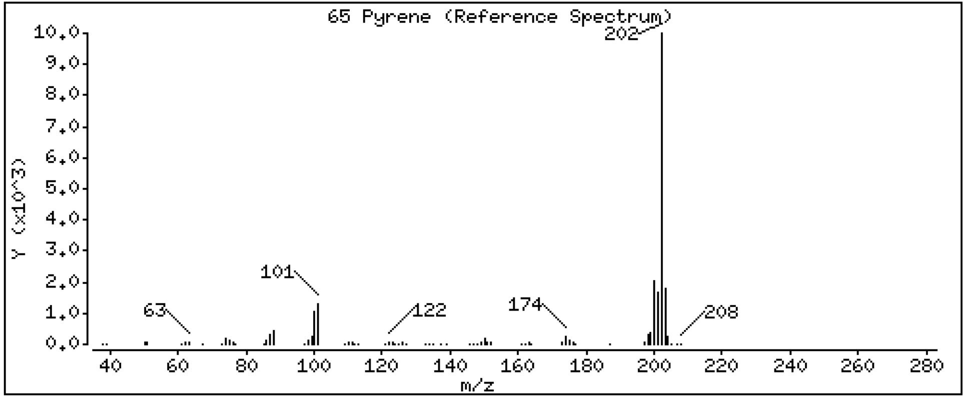
Column diameter: 0.25

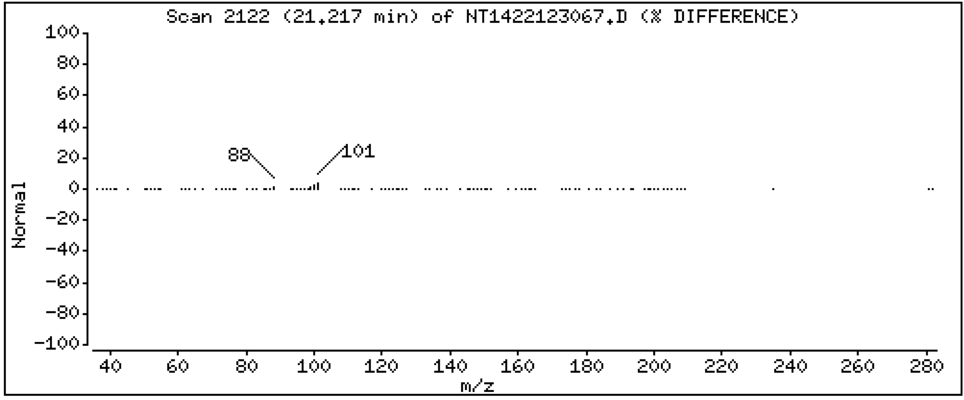
65 Pyrene

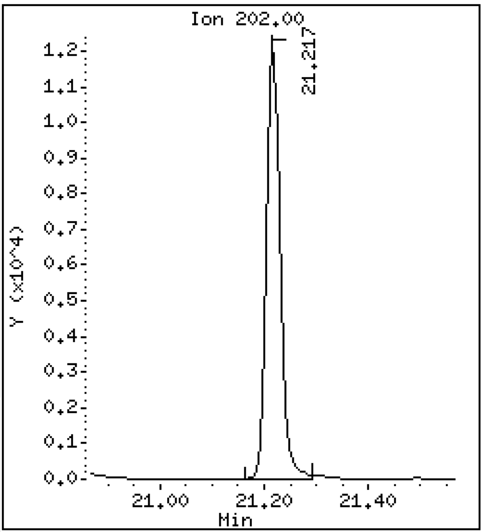
Concentration: 0.2334 ug/mL

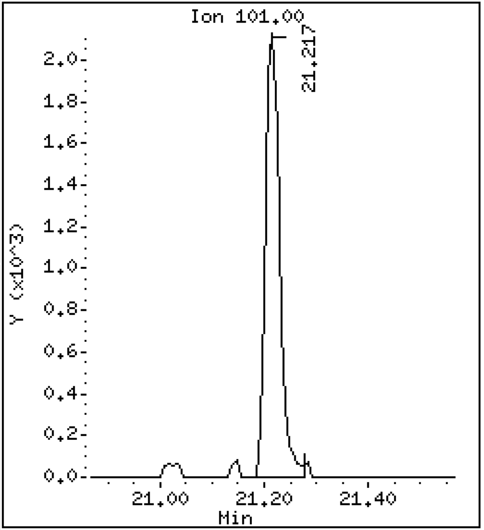


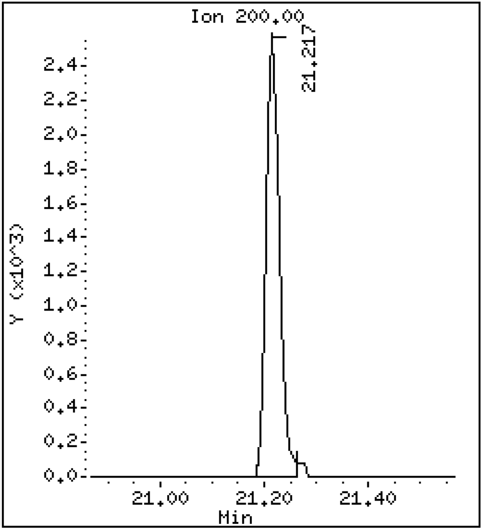












Data File: \\target\share\chem3\nt14.i\20221230C.b\NT1422123067.D

Date : 01-JAN-2023 00:06

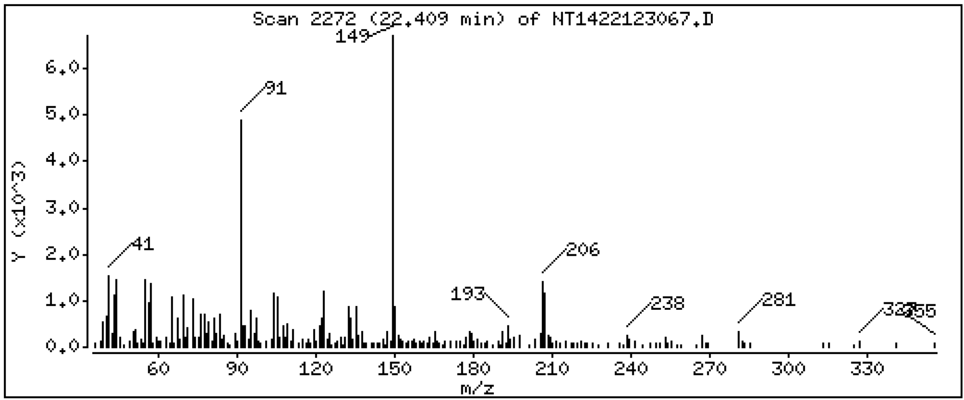
Client ID: Instrument: nt14.i

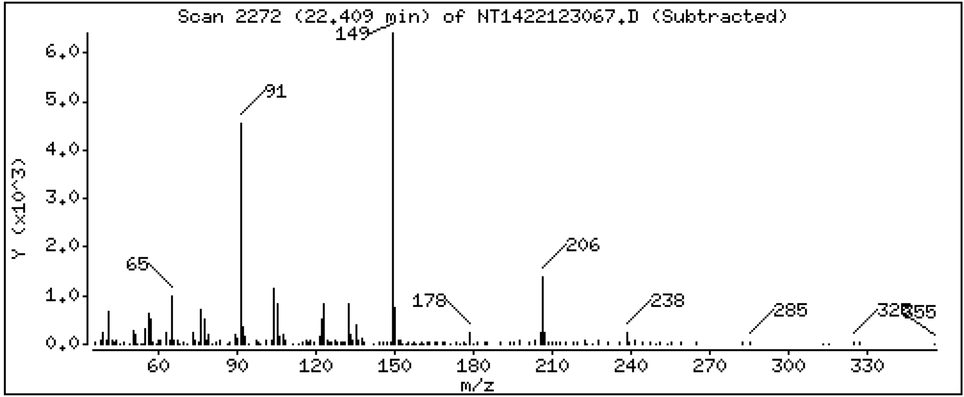
Sample Info: SKL0355-LCV3

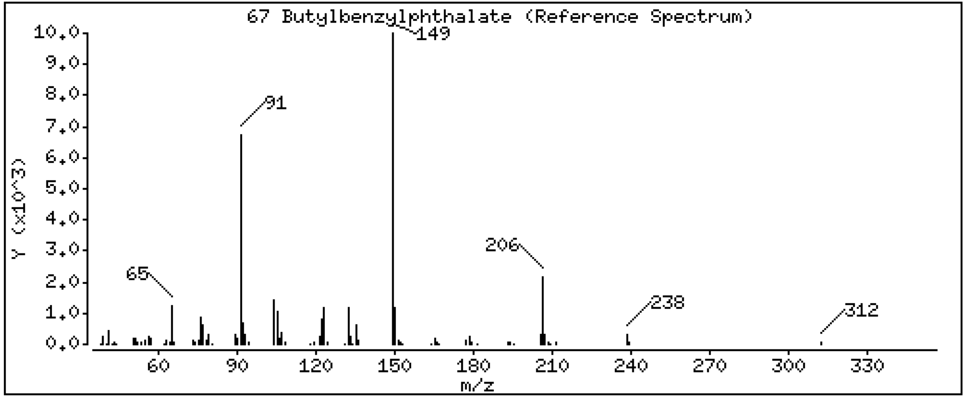
Operator: VTS

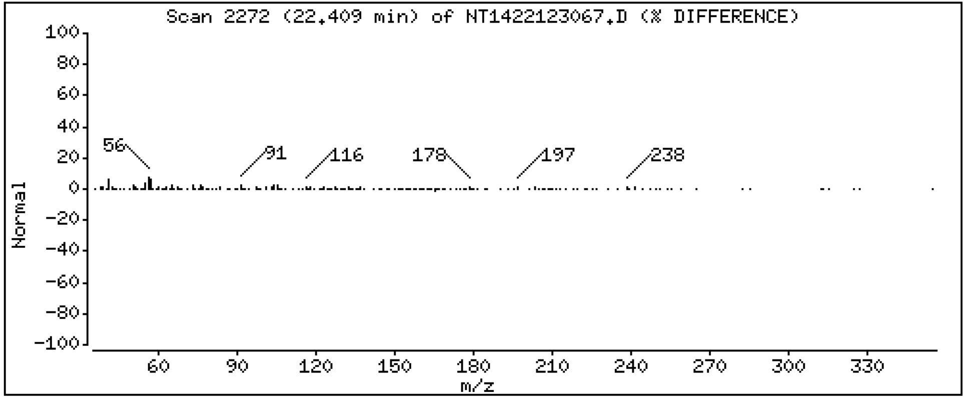
Column phase: ZB-5msi Column diameter: 0.25

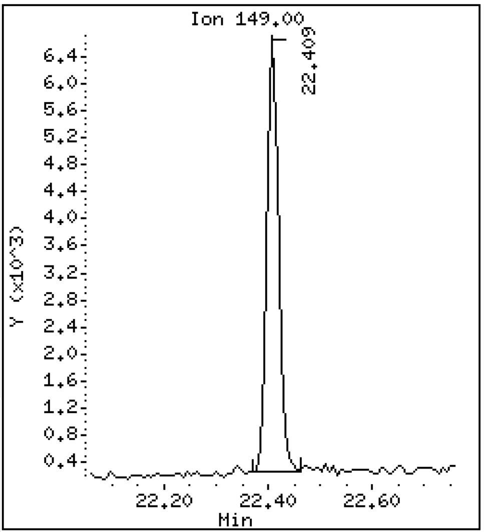
67 Butylbenzylphthalate Concentration: 0.2699 ug/mL

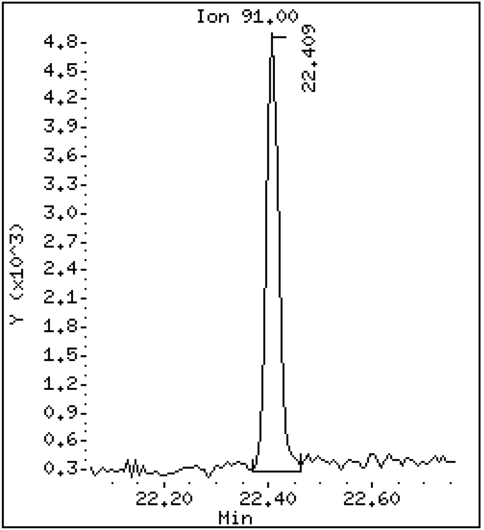

Scan 2272 (22.409 min) of NT1422123067.D

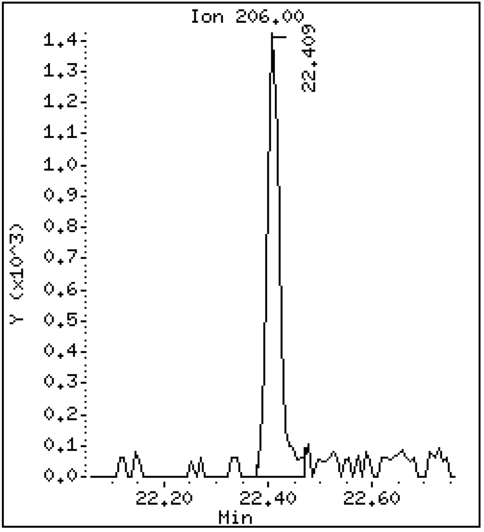

Scan 2272 (22.409 min) of NT1422123067.D (Subtracted)


67 Butylbenzylphthalate (Reference Spectrum)


Scan 2272 (22.409 min) of NT1422123067.D (% DIFFERENCE)


Ion 149.00


Ion 91.00


Ion 206.00

Data File: \\target\share\chem3\nt14.i\20221230C.b\NT1422123067.D

Date : 01-JAN-2023 00:06

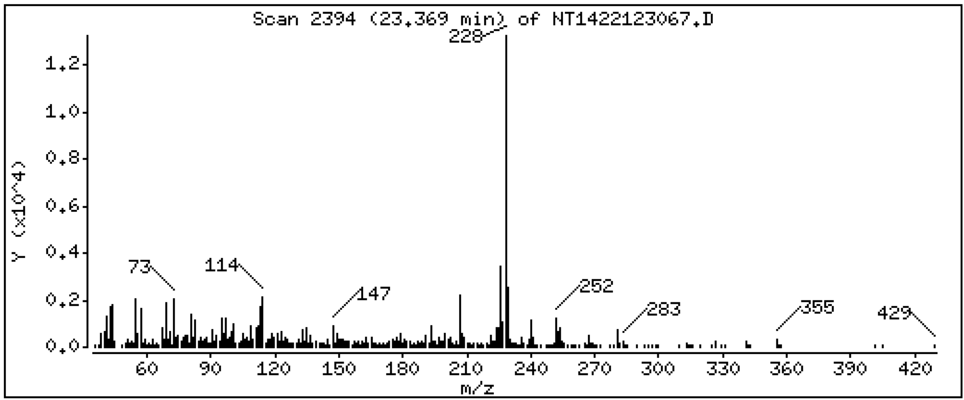
Client ID: Instrument: nt14.i

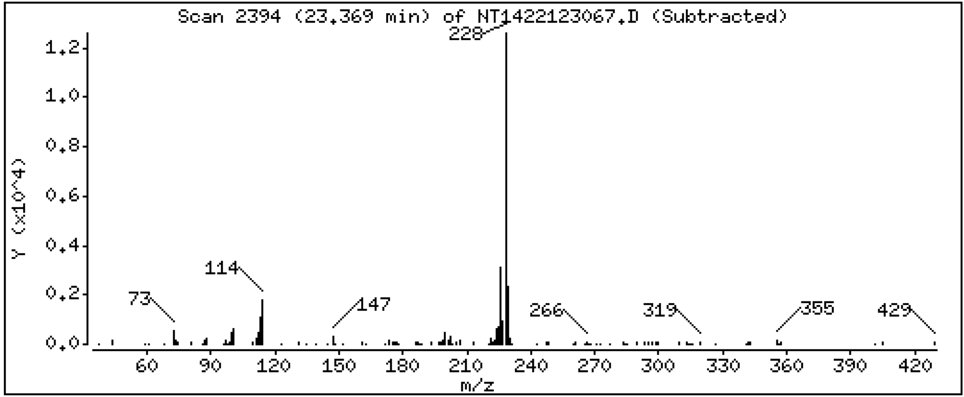
Sample Info: SKL0355-LCV3

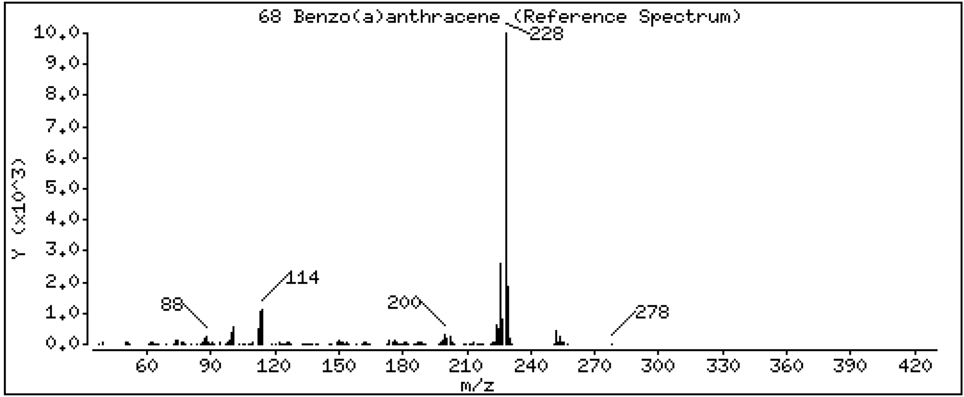
Operator: VTS

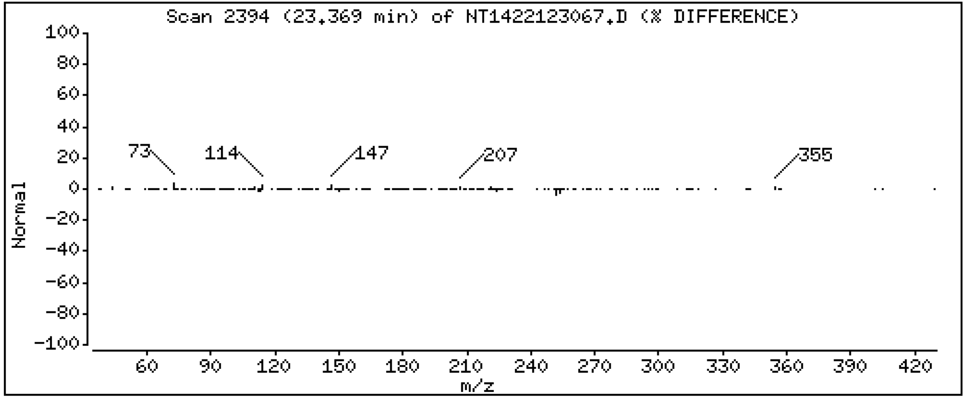
Column phase: ZB-5msi Column diameter: 0.25

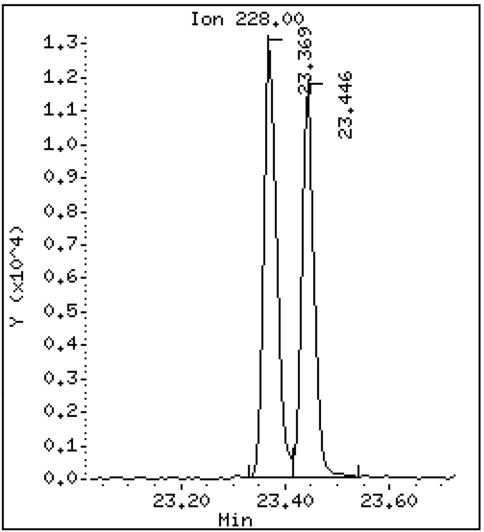
68 Benzo(a)anthracene Concentration: 0.2639 ug/mL

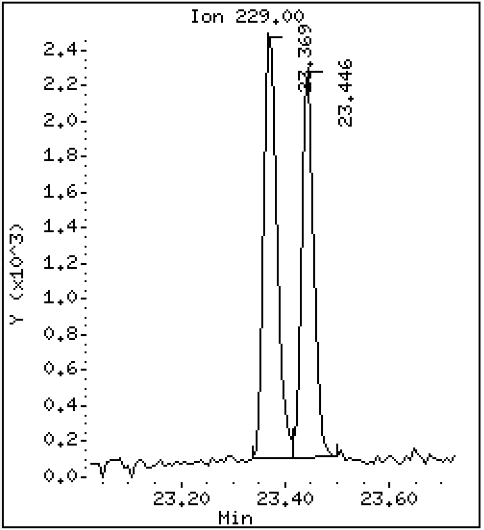


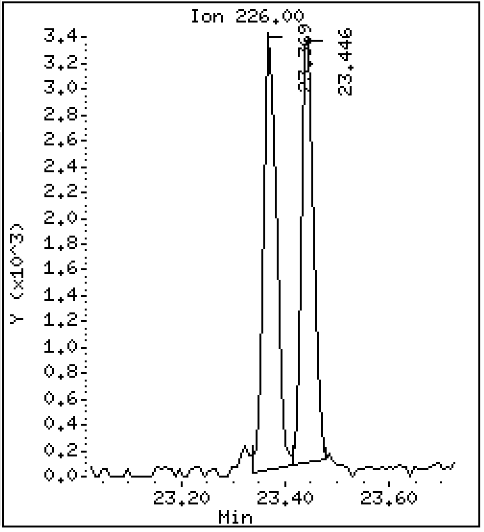












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Date : 01-JAN-2023 00:06

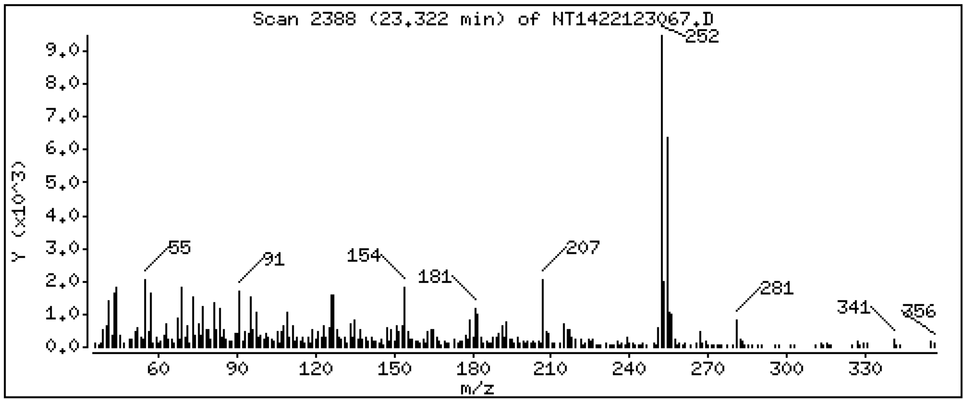
Client ID: Instrument: nt14.i

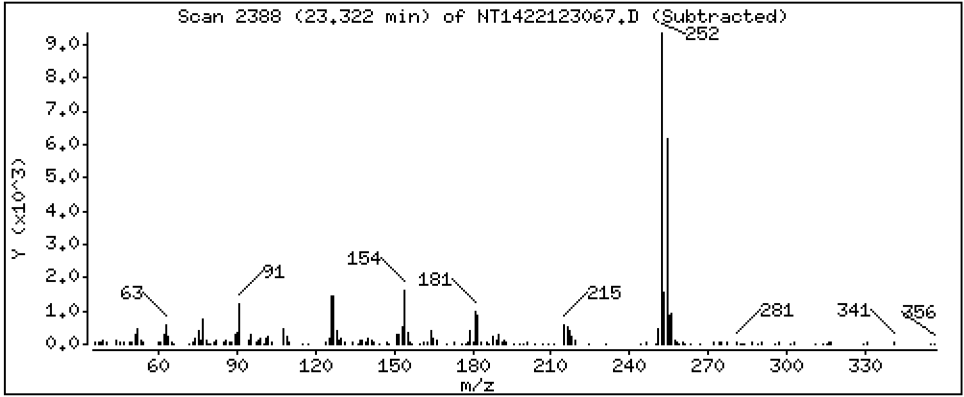
Sample Info: SKL0355-LCV3

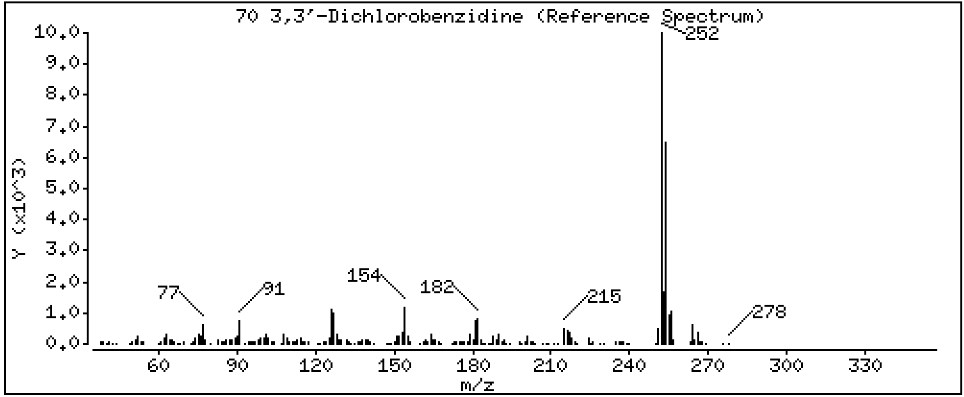
Operator: VTS

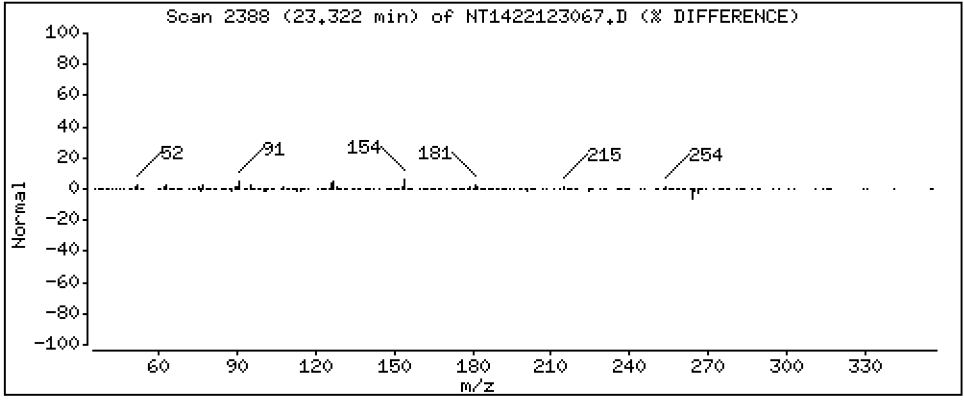
Column phase: ZB-5msi Column diameter: 0.25

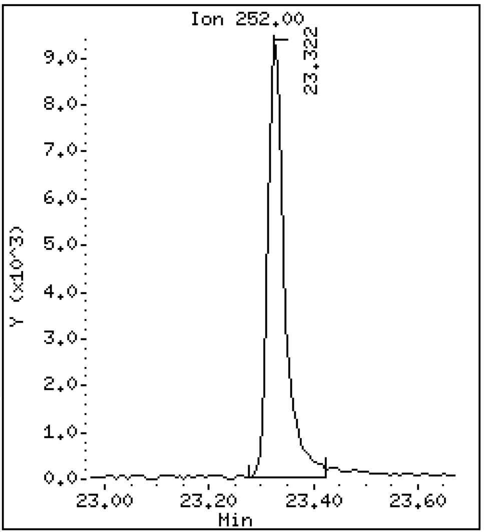
70 3,3'-Dichlorobenzidine Concentration: 0.8193 ug/mL

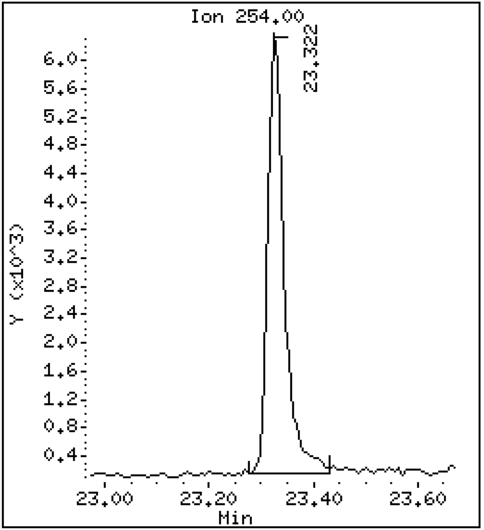

Scan 2388 (23.322 min) of NT1422123067.D

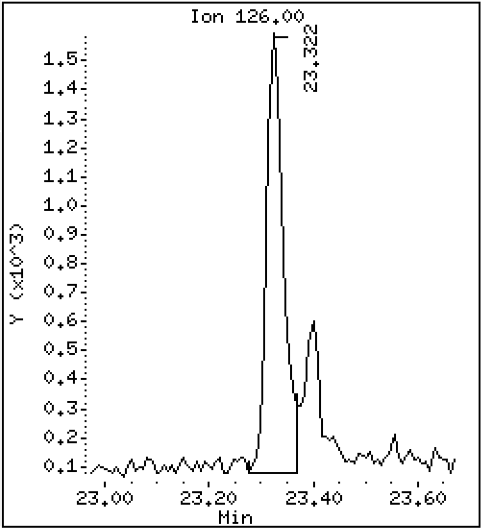

Scan 2388 (23.322 min) of NT1422123067.D (Subtracted)


70 3,3'-Dichlorobenzidine (Reference Spectrum)


Scan 2388 (23.322 min) of NT1422123067.D (% DIFFERENCE)


Ion 252.00


Ion 254.00


Ion 126.00

Data File: \\target\share\chem3\nt14.i\20221230C.b\NT1422123067.D

Date : 01-JAN-2023 00:06

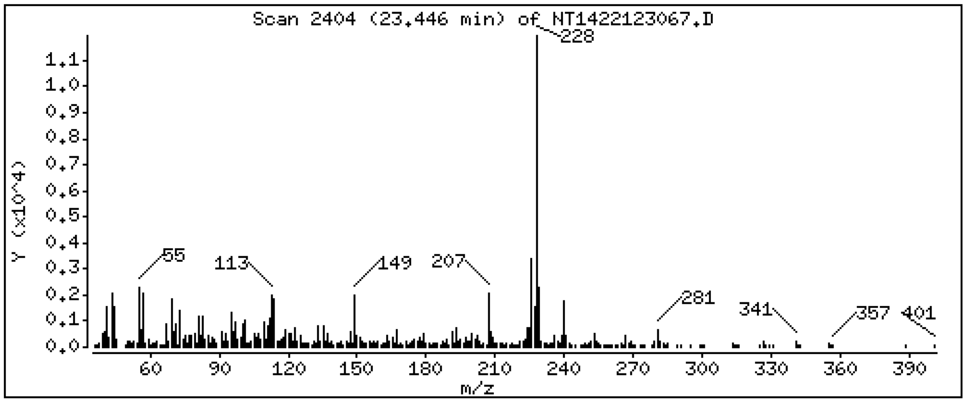
Client ID: Instrument: nt14.i

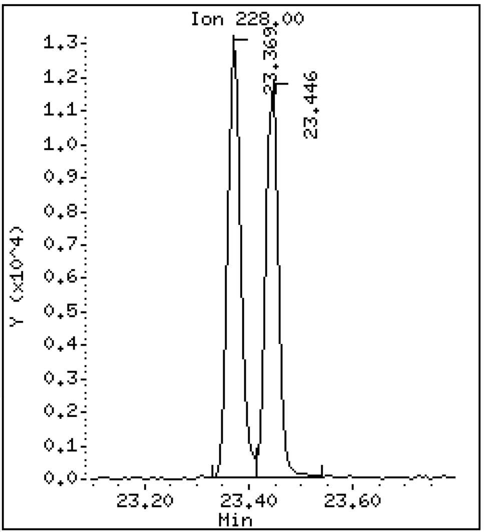
Sample Info: SKL0355-LCV3

Operator: VTS

Column phase: ZB-5msi Column diameter: 0.25

71 Chrysene Concentration: 0.2429 ug/mL


Scan 2404 (23.446 min) of NT1422123067.D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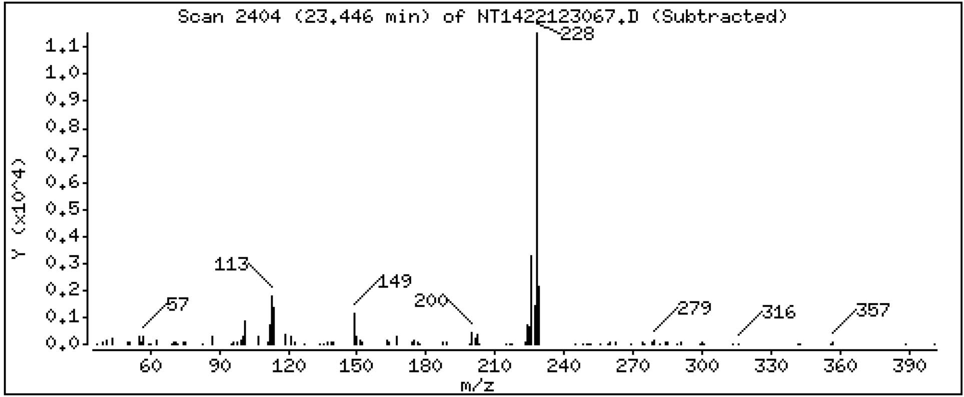
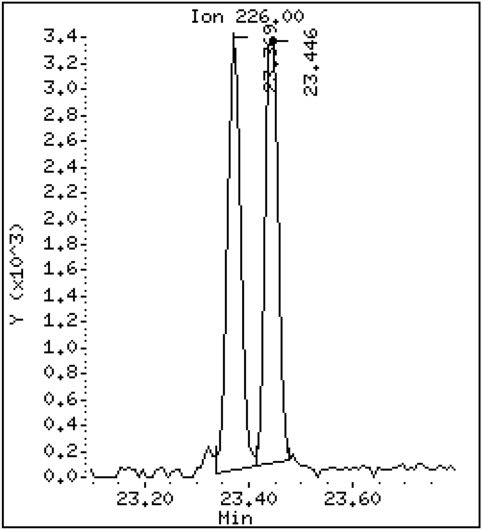

Scan 2404 (23.446 min) of NT1422123067.D (Subtracted)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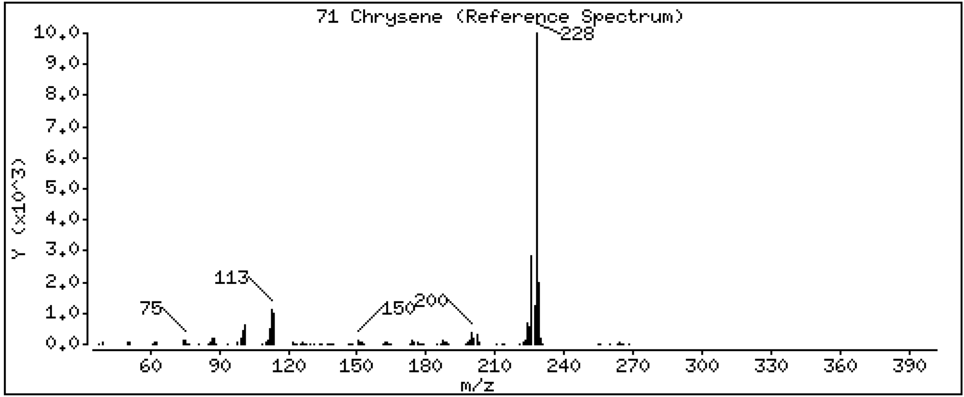
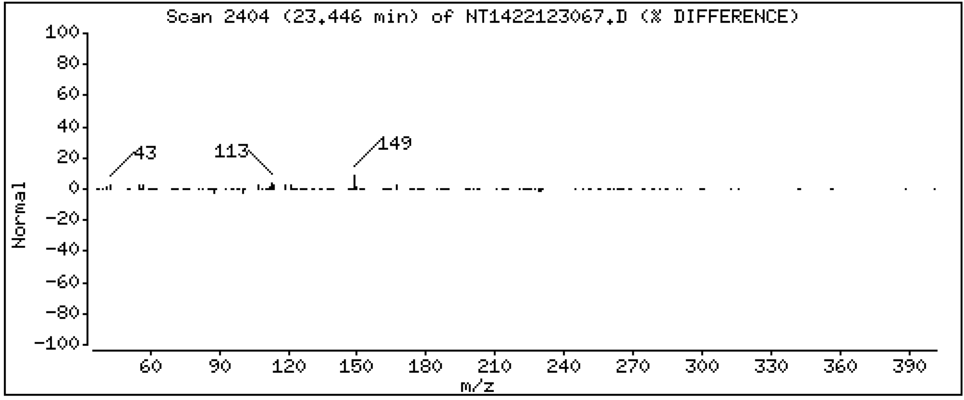
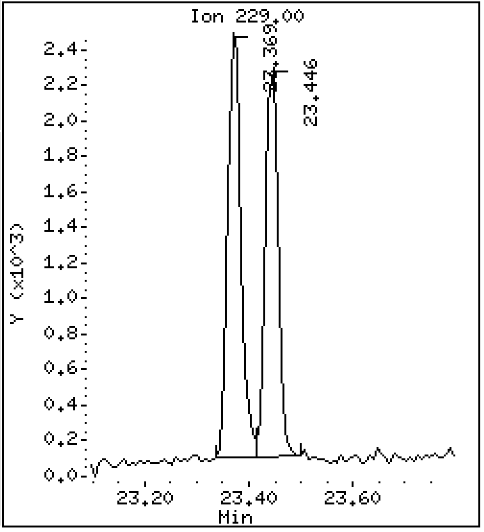

71 Chrysene (Reference Spectrum)


Scan 2404 (23.446 min) of NT1422123067.D (% DIFFERENCE)


Ion 229.00

Data File: \\target\share\chem3\nt14.i\20221230C.b\NT1422123067.D

Date : 01-JAN-2023 00:06

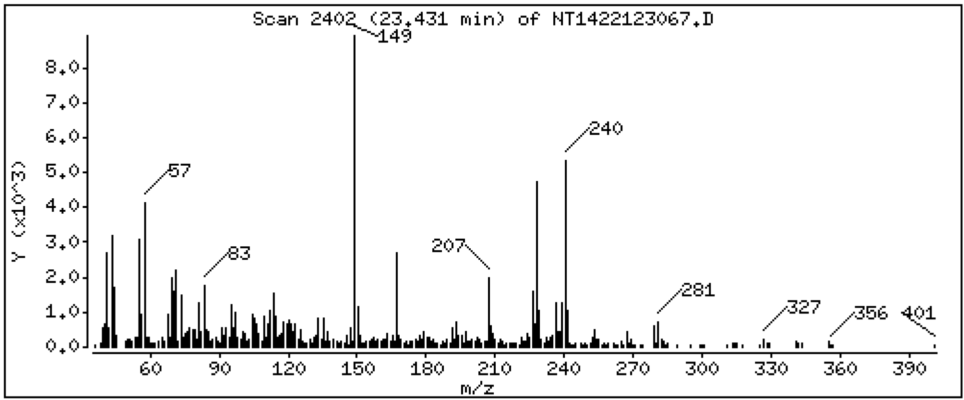
Client ID: Instrument: nt14.i

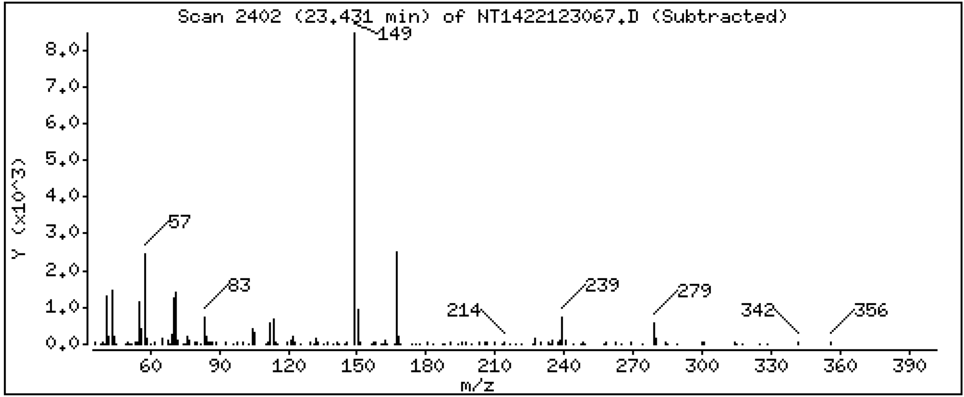
Sample Info: SKL0355-LCV3

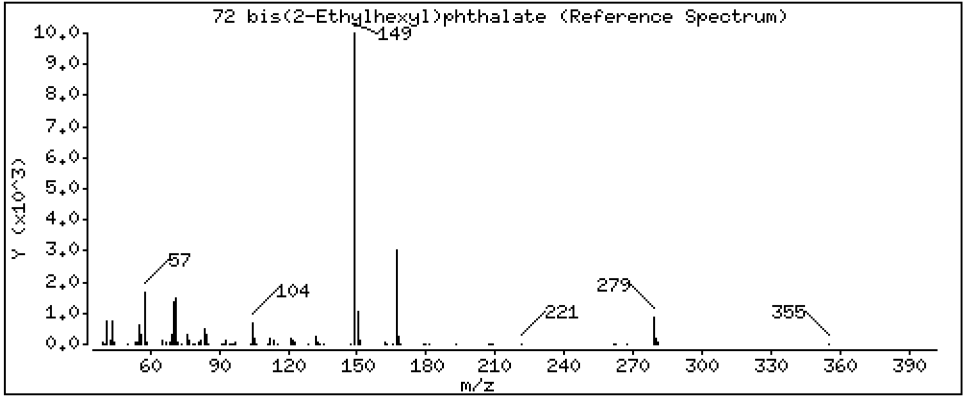
Operator: VTS

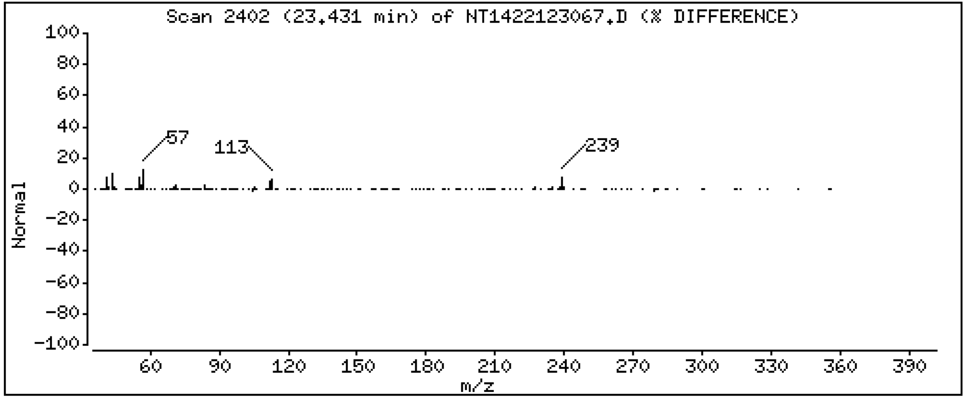
Column phase: ZB-5msi Column diameter: 0.25

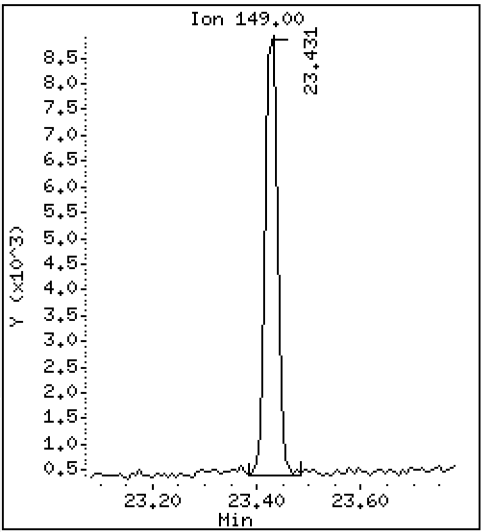
72 bis(2-Ethylhexyl)phthalate Concentration: 0.2611 ug/mL


Scan 2402 (23.431 min) of NT1422123067.D


Scan 2402 (23.431 min) of NT1422123067.D (Subtracted)


72 bis(2-Ethylhexyl)phthalate (Reference Spectrum)


Scan 2402 (23.431 min) of NT1422123067.D (% DIFFERENCE)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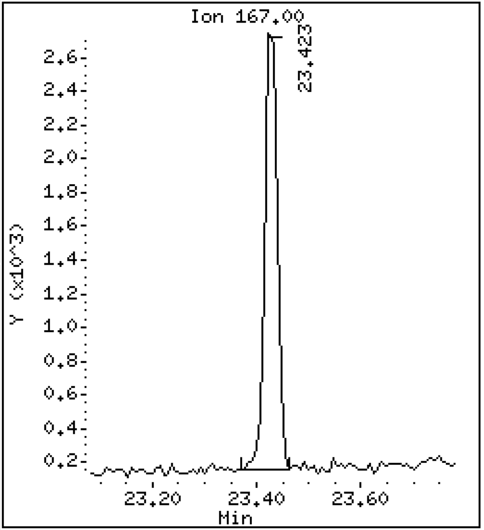
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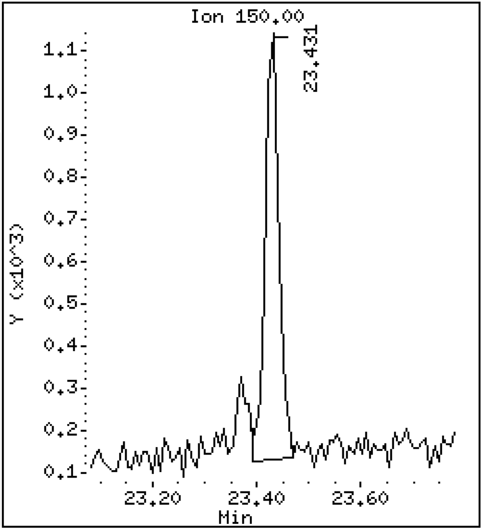
Ion 150.00

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Date : 01-JAN-2023 00:06

Client ID:

Instrument: nt14.i

Sample Info: SKL0355-LCV3

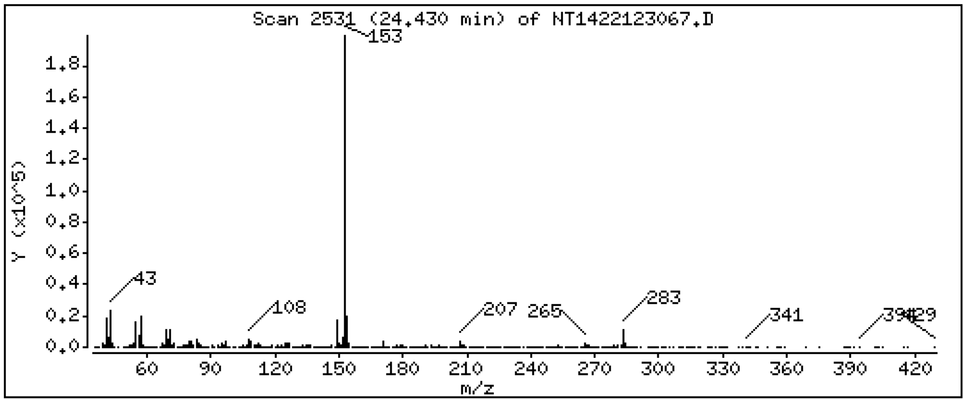
Operator: VTS

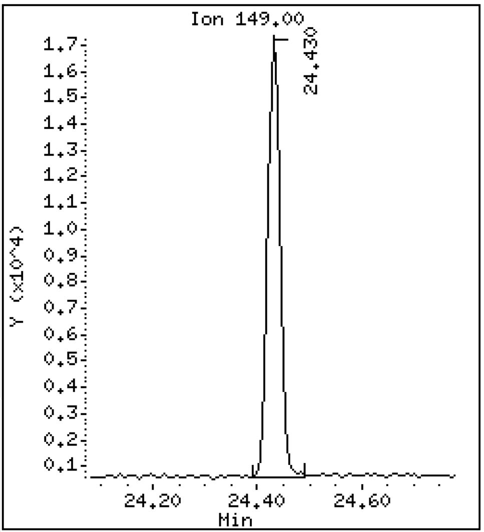
Column phase: ZB-5msi

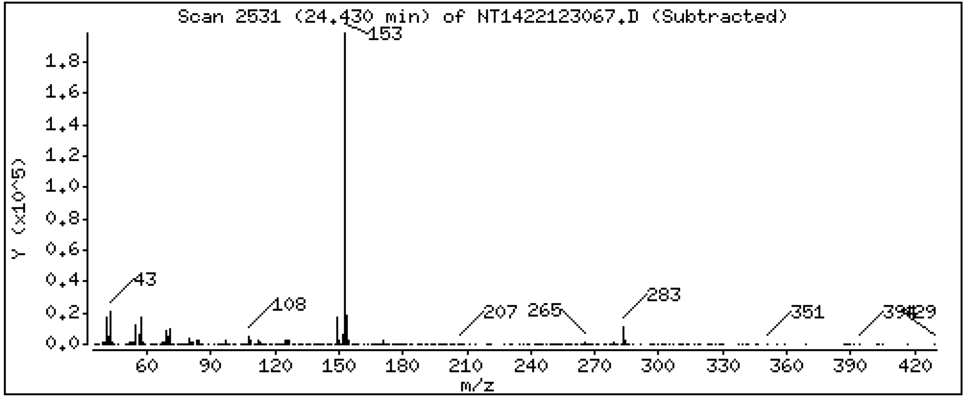
Column diameter: 0.25

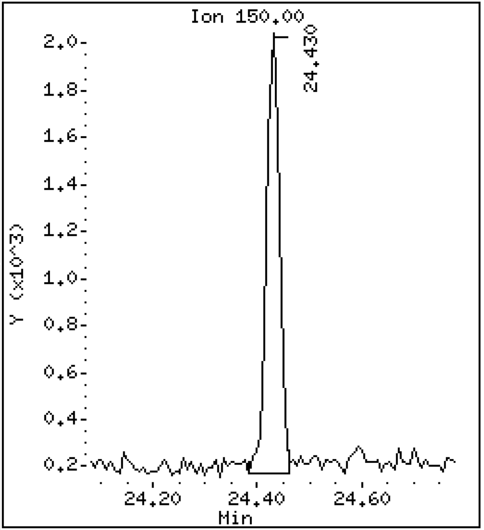
73 Di-n-octylphthalate

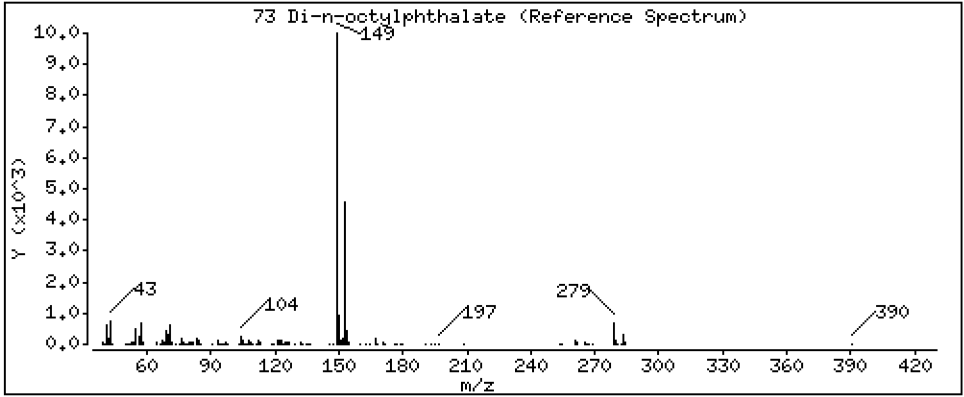
Concentration: 0.2459 ug/mL

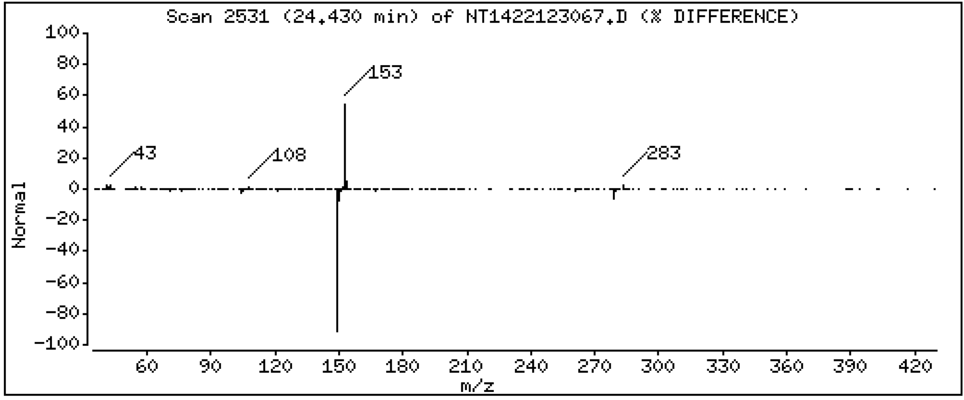


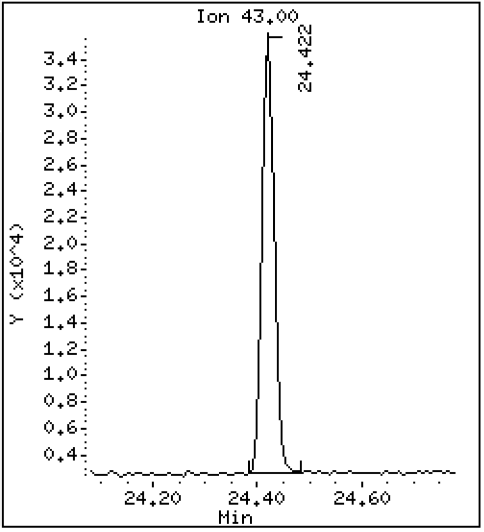












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Date : 01-JAN-2023 00:06

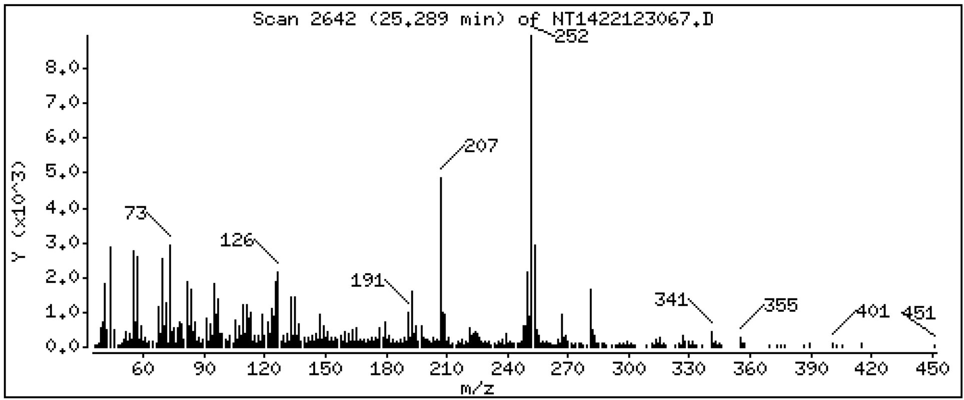
Client ID: Instrument: nt14.i

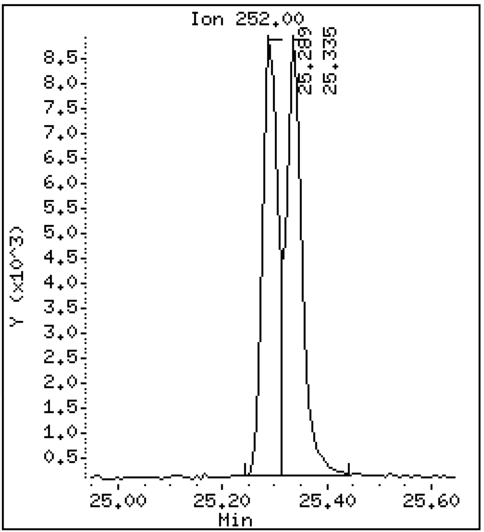
Sample Info: SKL0355-LCV3

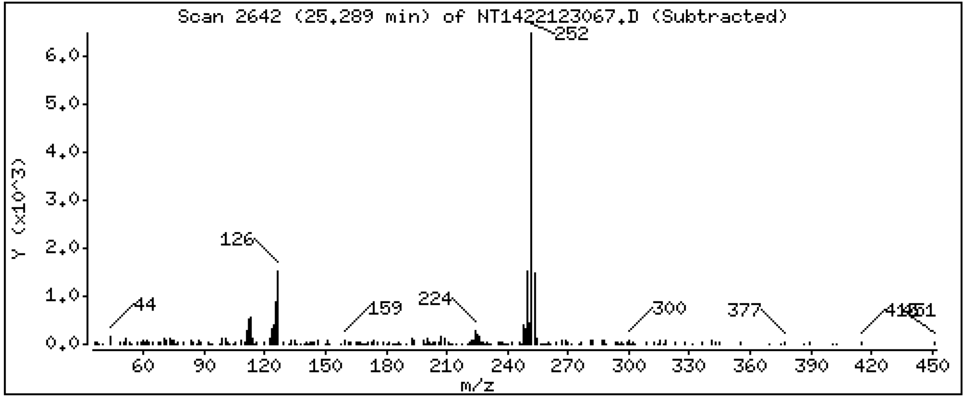
Operator: VTS

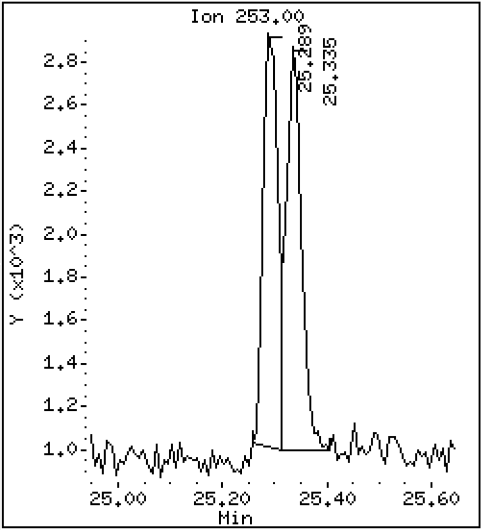
Column phase: ZB-5msi Column diameter: 0.25

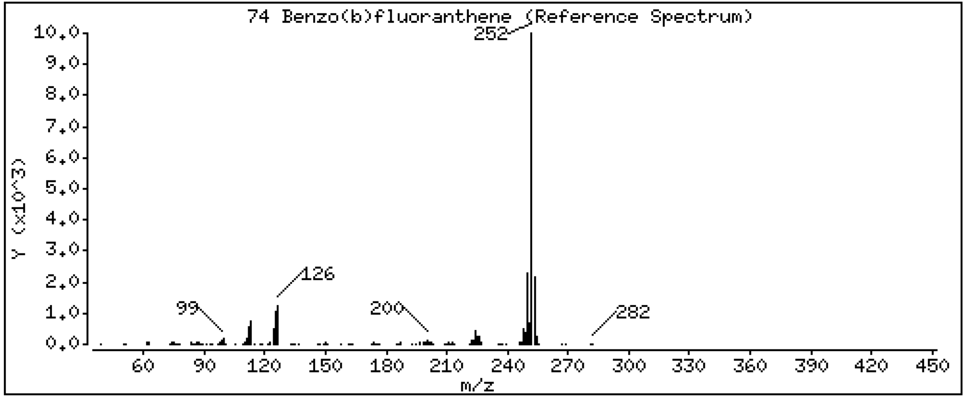
74 Benzo(b)fluoranthene Concentration: 0.2414 ug/mL

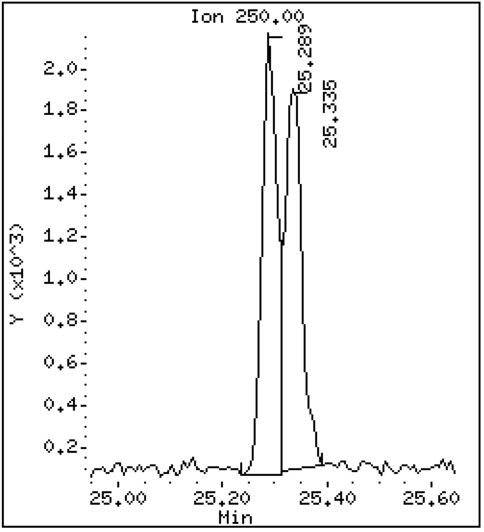


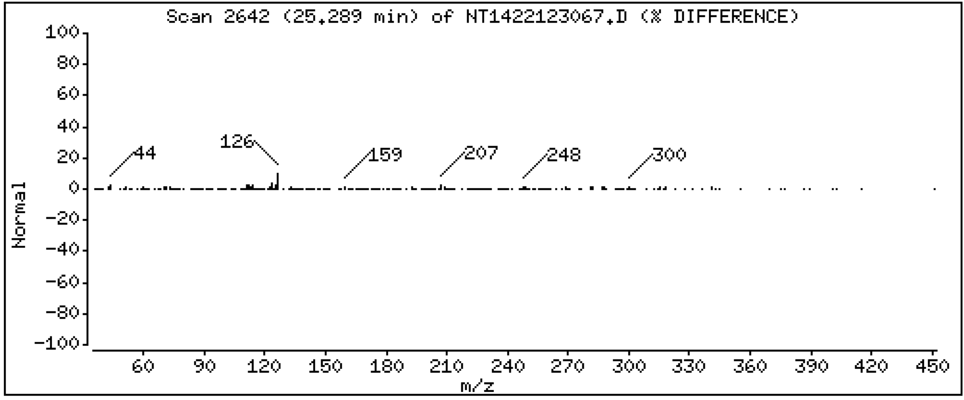












Data File: \\target\share\chem3\nt14.i\20221230C.b\NT1422123067.D

Date : 01-JAN-2023 00:06

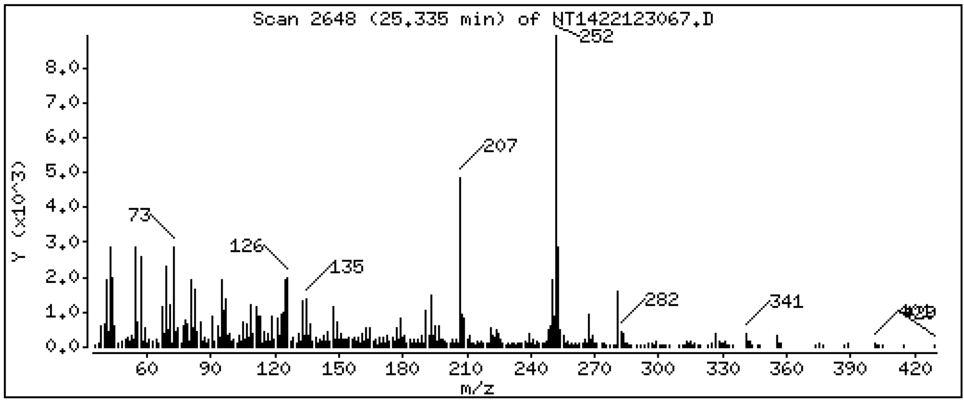
Client ID: Instrument: nt14.i

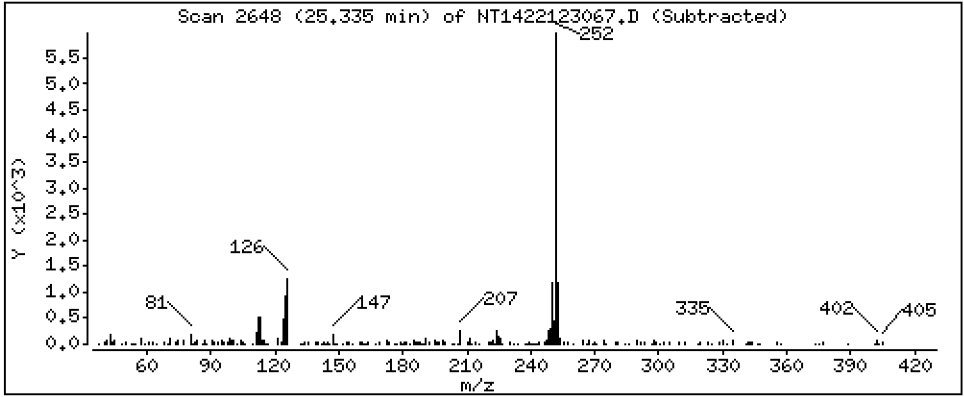
Sample Info: SKL0355-LCV3

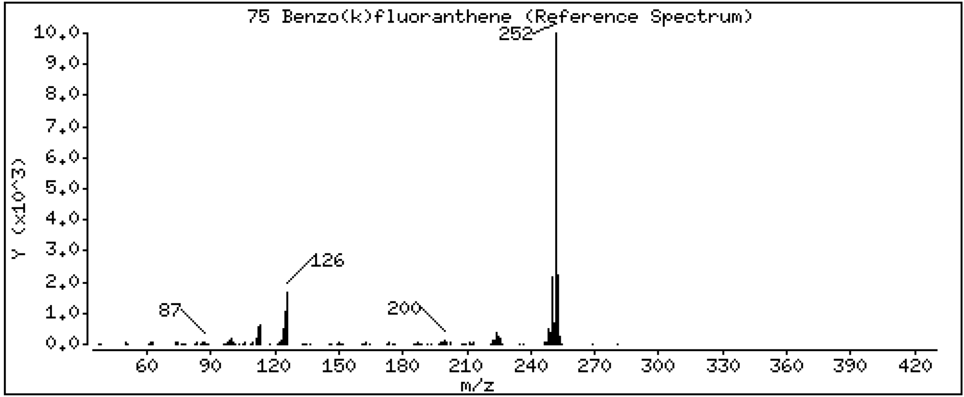
Operator: VTS

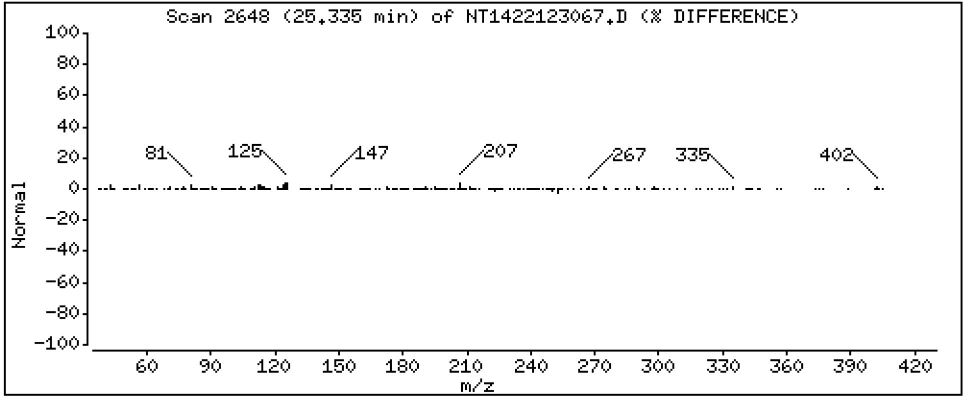
Column phase: ZB-5msi Column diameter: 0.25

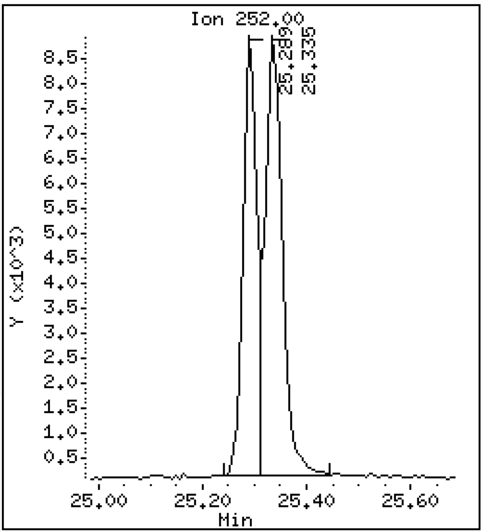
75 Benzo(k)fluoranthene Concentration: 0.2810 ug/mL

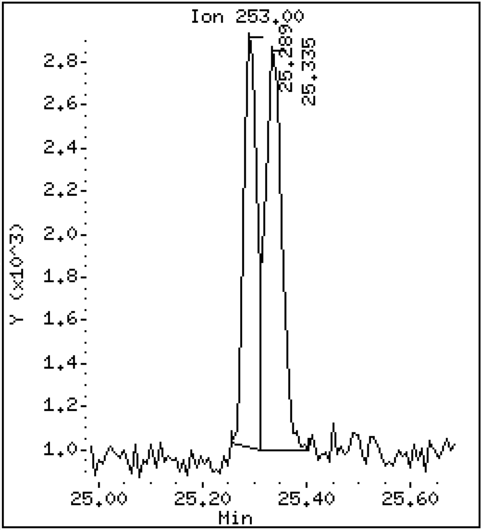


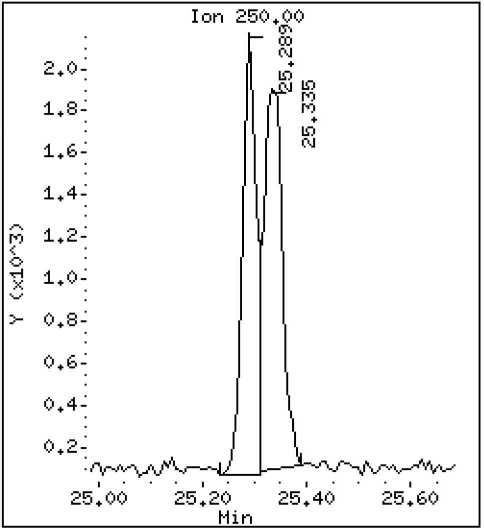












Date : 01-JAN-2023 00:06

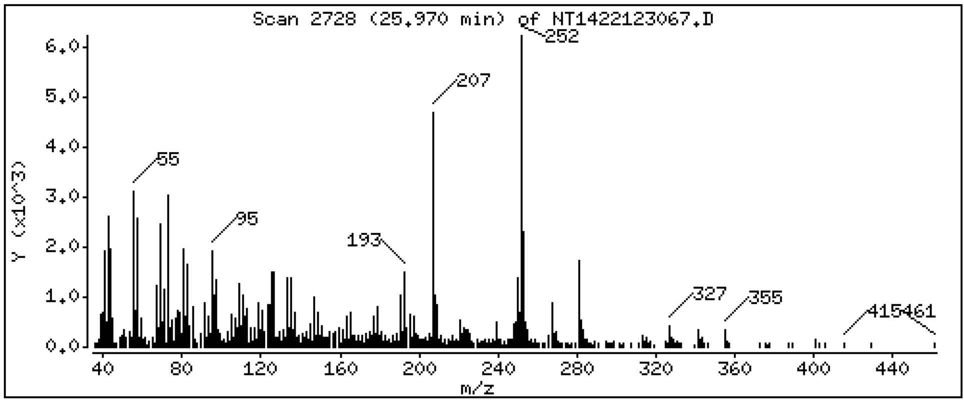
Client ID: Instrument: nt14.i

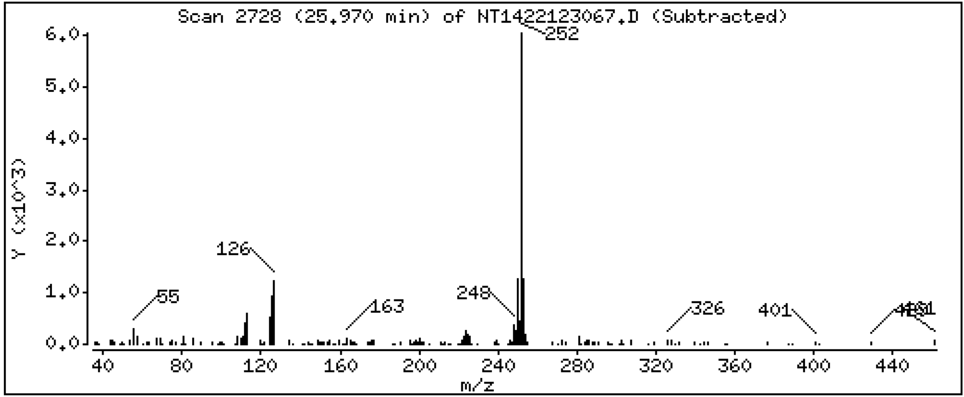
Sample Info: SKL0355-LCV3

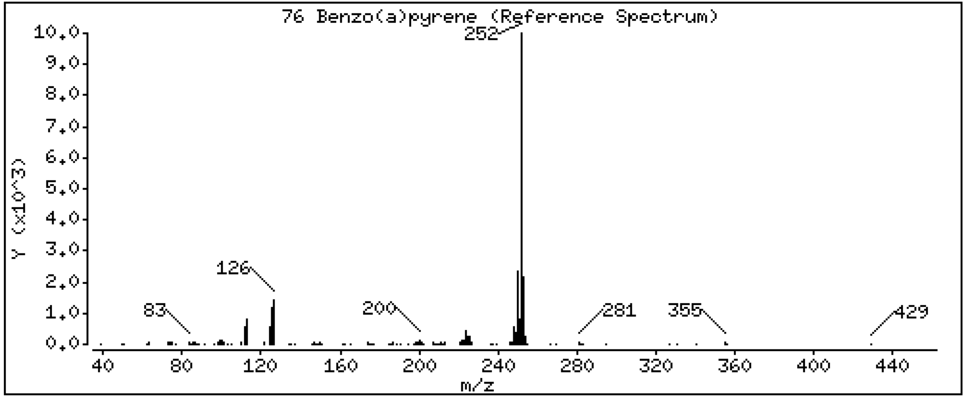
Operator: VTS

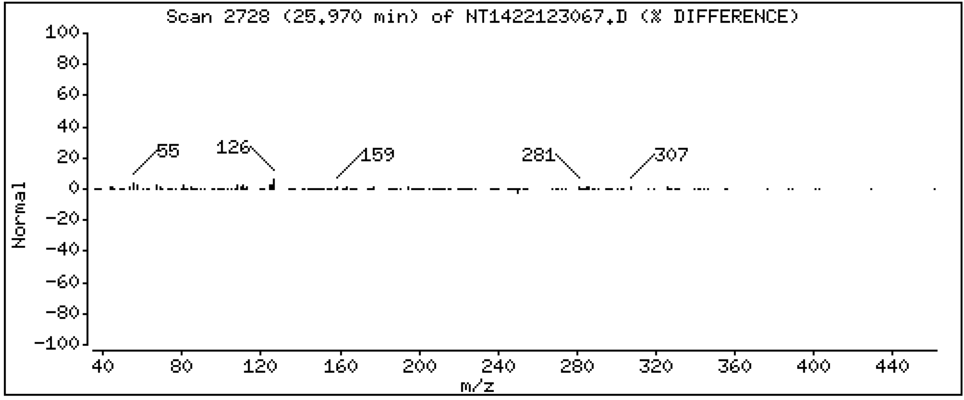
Column phase: ZB-5msi Column diameter: 0.25

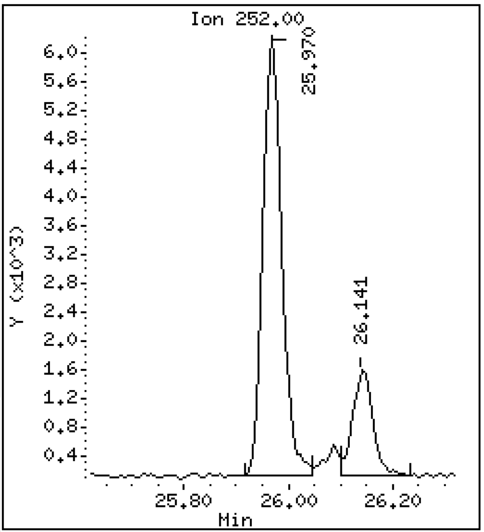
76 Benzo(a)pyrene Concentration: 0.2524 ug/mL

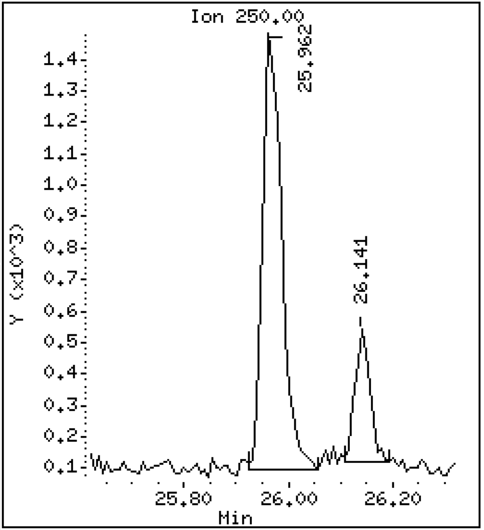


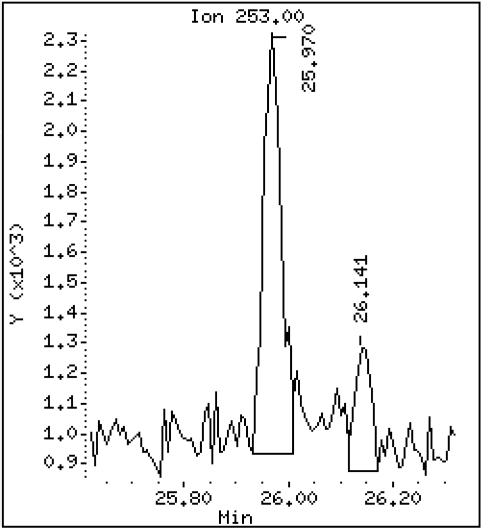












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Date : 01-JAN-2023 00:06

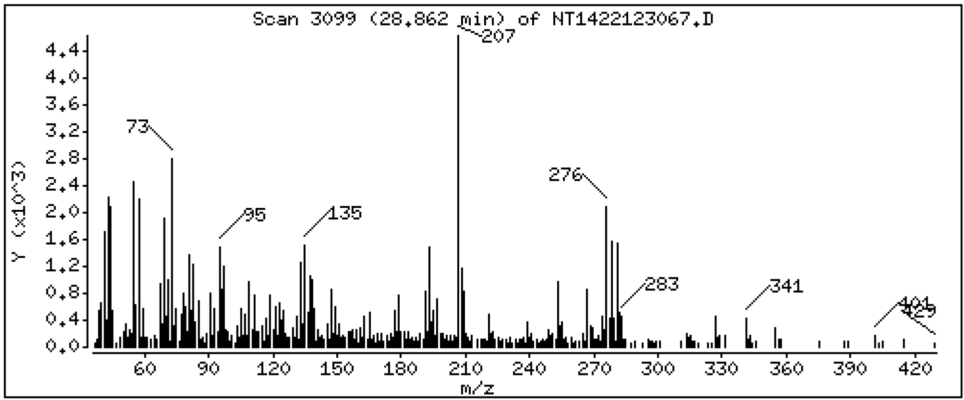
Client ID: Instrument: nt14.i

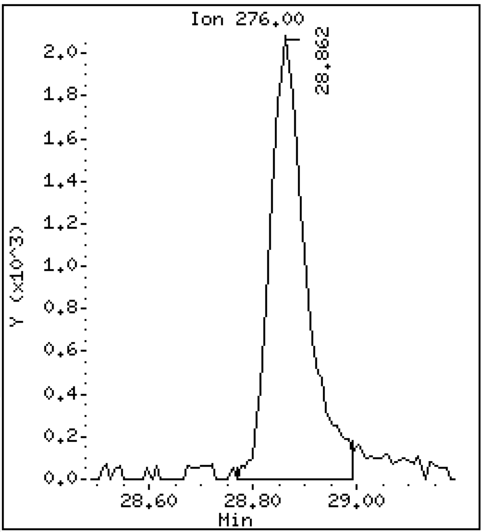
Sample Info: SKL0355-LCV3

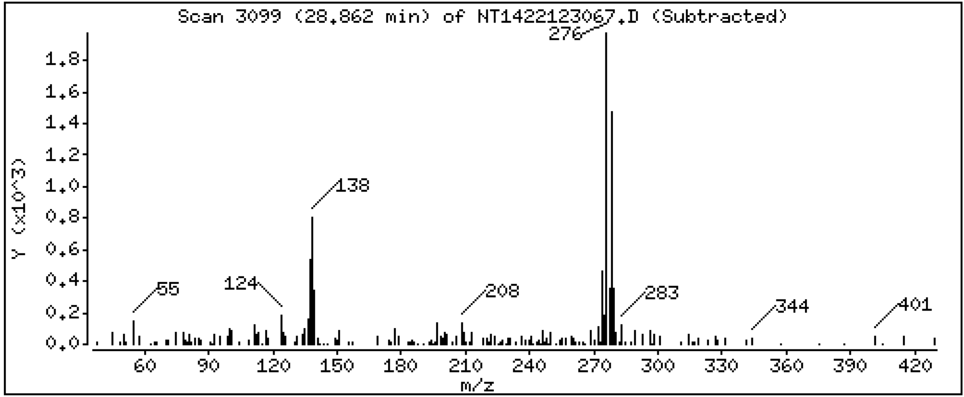
Operator: VTS

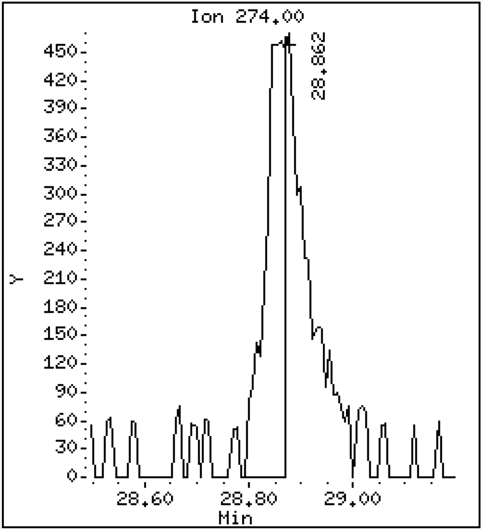
Column phase: ZB-5msi Column diameter: 0.25

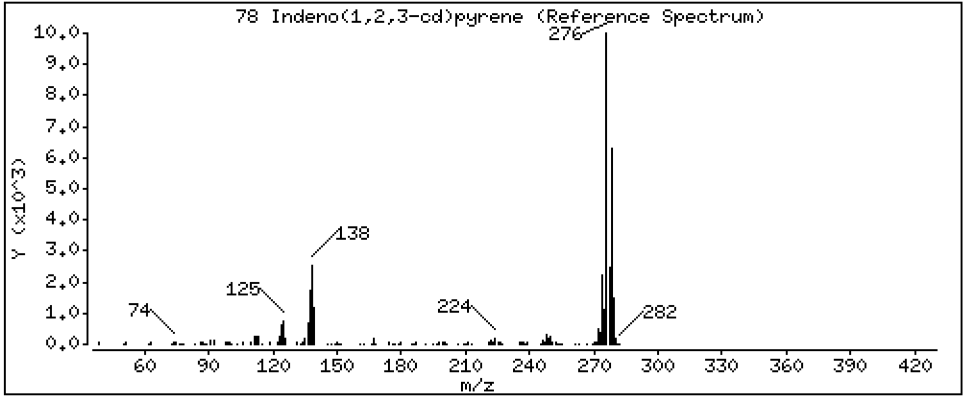
78 Indeno(1,2,3-cd)pyrene Concentration: 0.1494 ug/mL

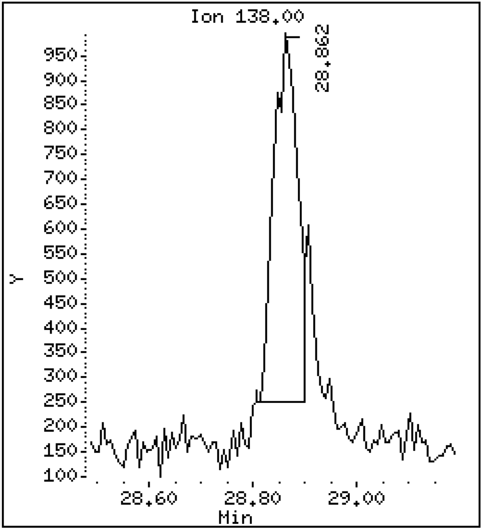


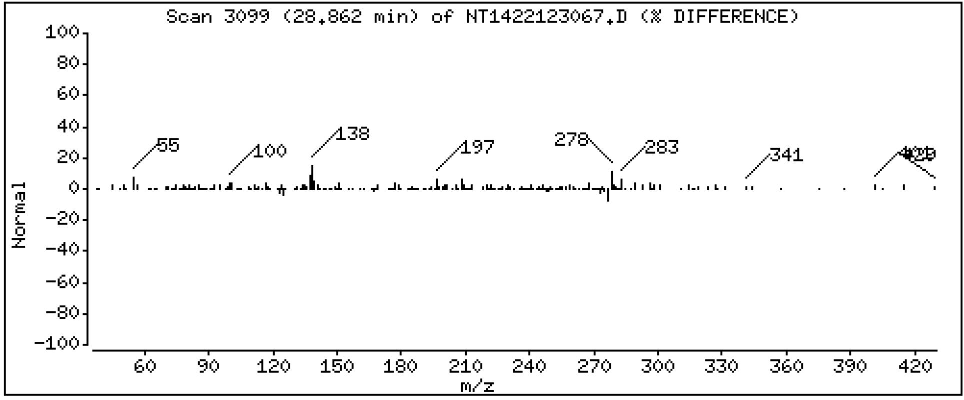












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Date : 01-JAN-2023 00:06

Client ID:

Instrument: nt14.i

Sample Info: SKL0355-LCV3

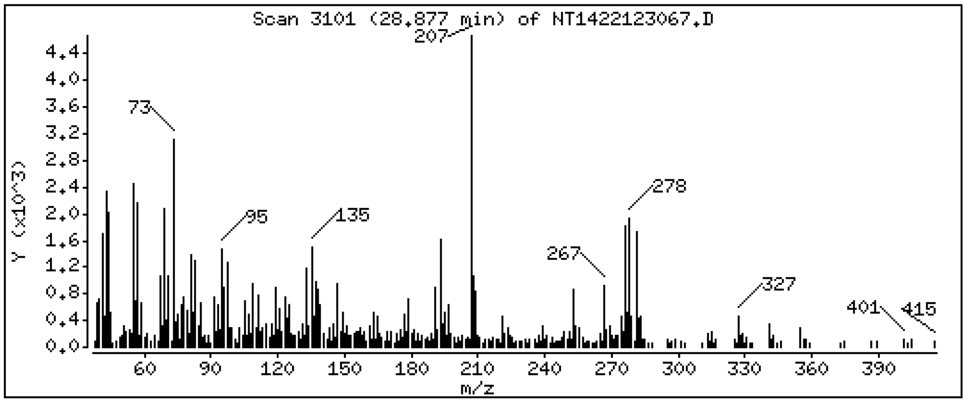
Operator: VTS

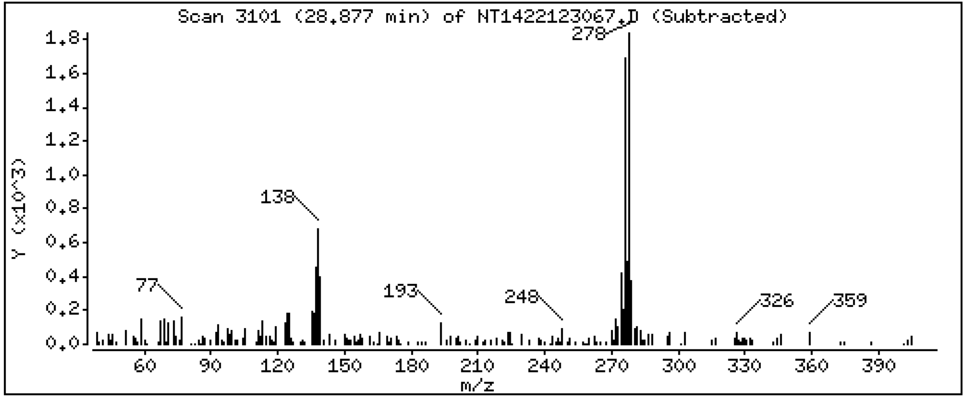
Column phase: ZB-5msi

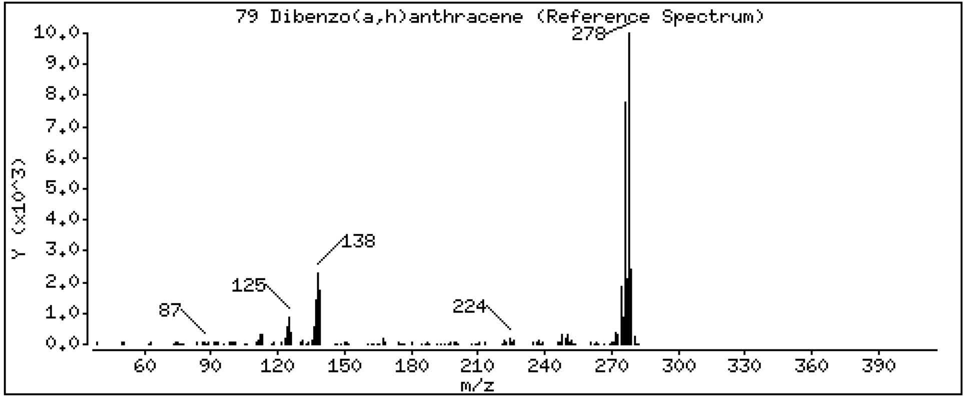
Column diameter: 0.25

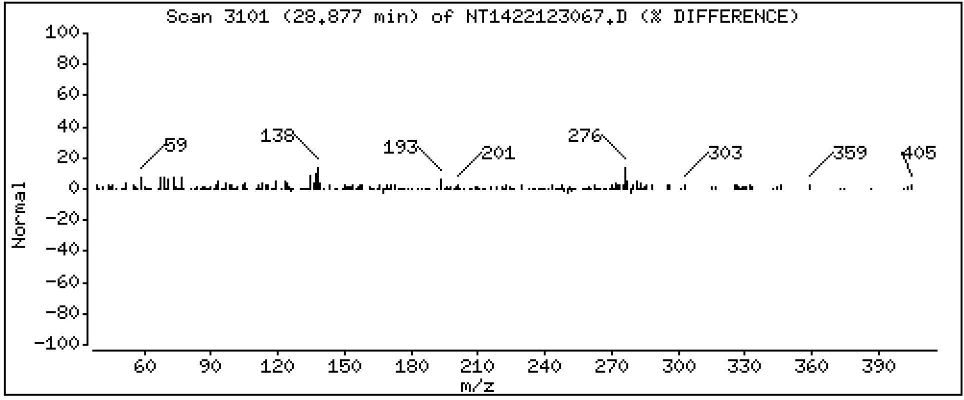
79 Dibenzo(a,h)anthracene

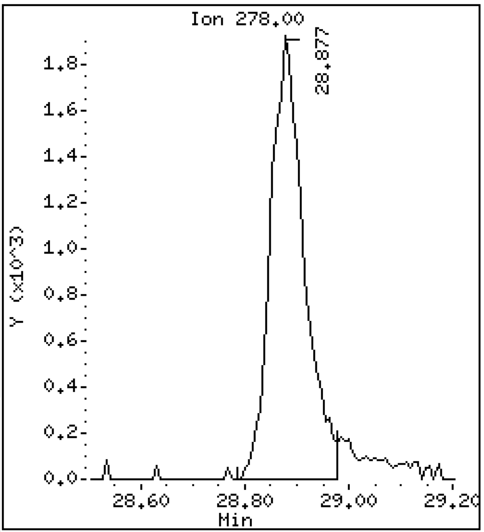
Concentration: 0.1509 ug/mL

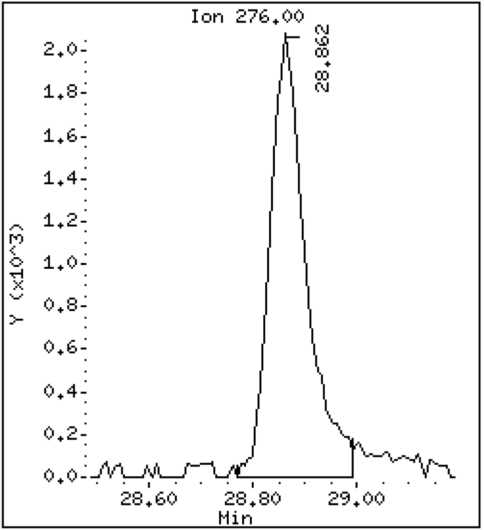


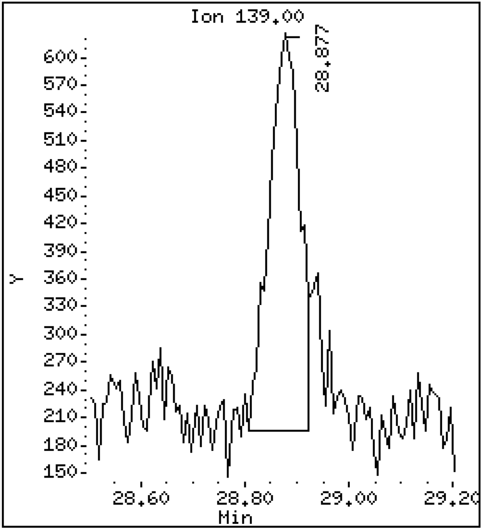












Date : 01-JAN-2023 00:06

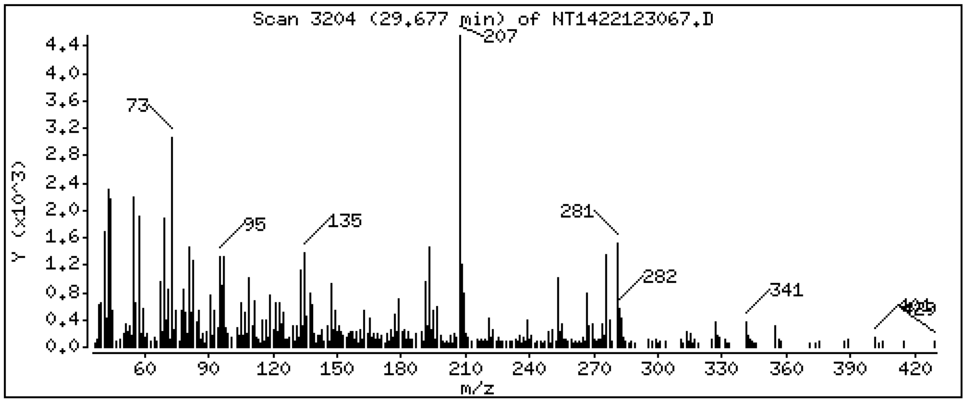
Client ID: Instrument: nt14.i

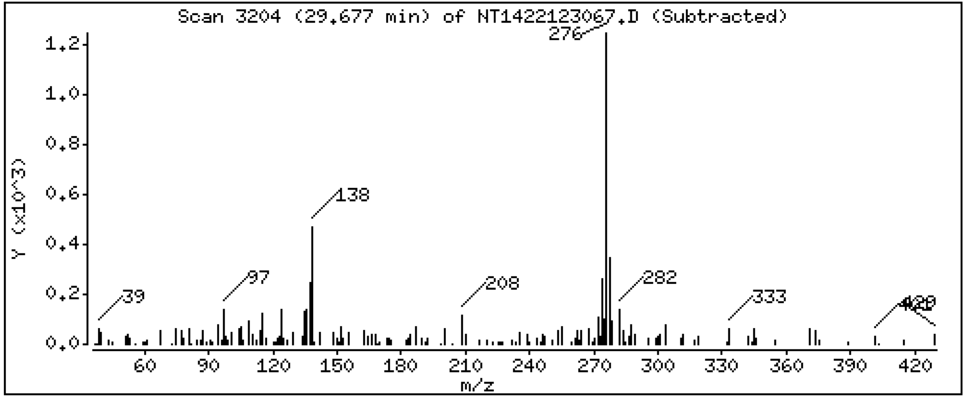
Sample Info: SKL0355-LCV3

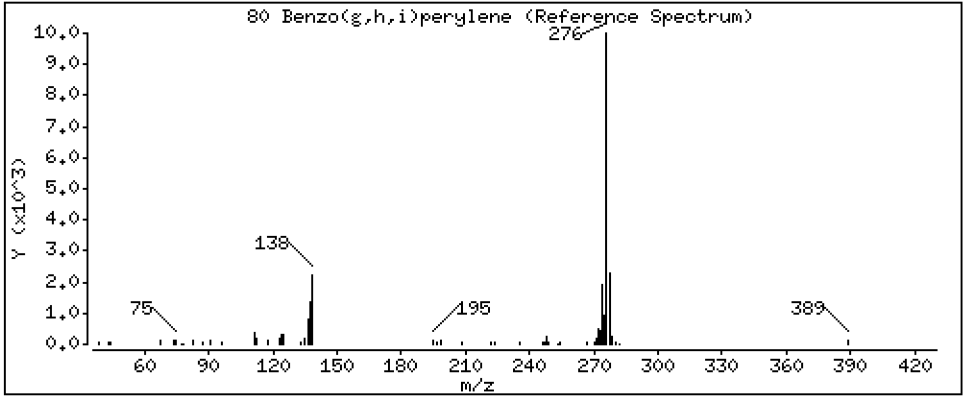
Operator: VTS

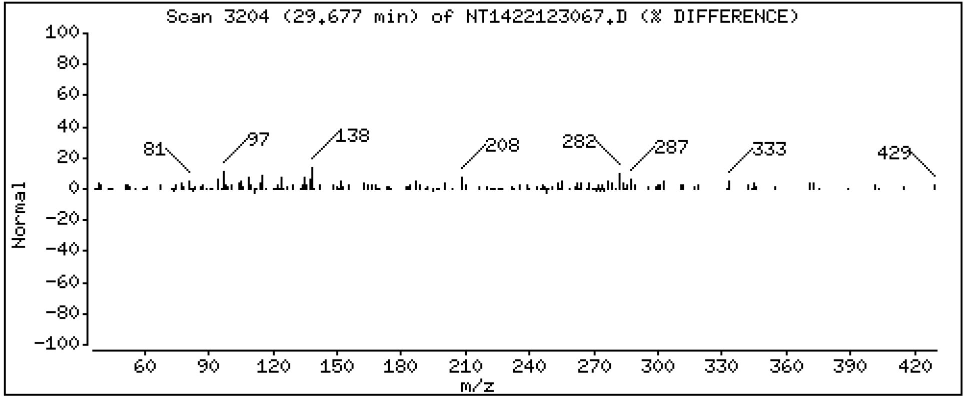
Column phase: ZB-5msi Column diameter: 0.25

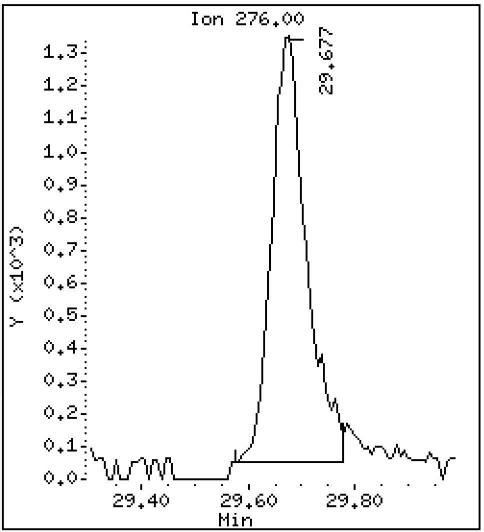
80 Benzo(g,h,i)perylene Concentration: 0.1058 ug/mL

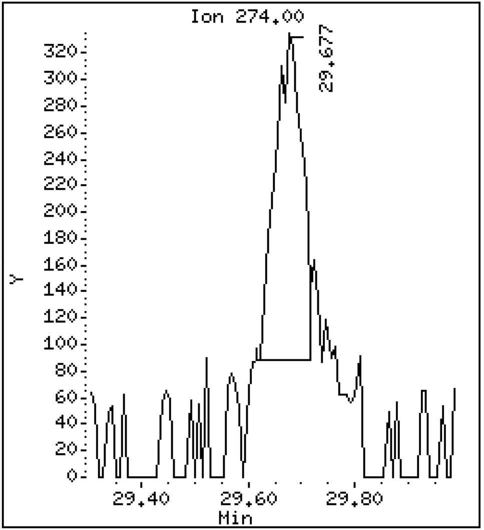


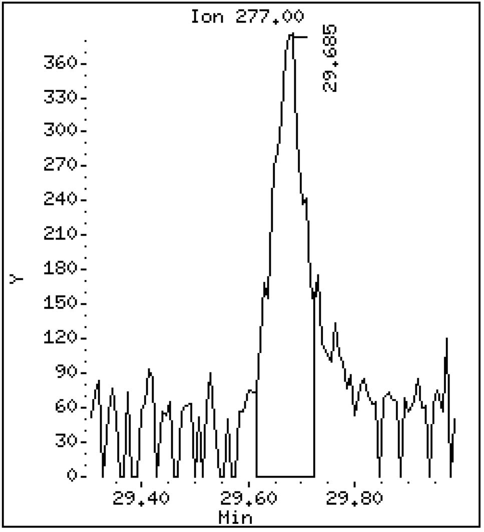












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Date : 01-JAN-2023 00:06

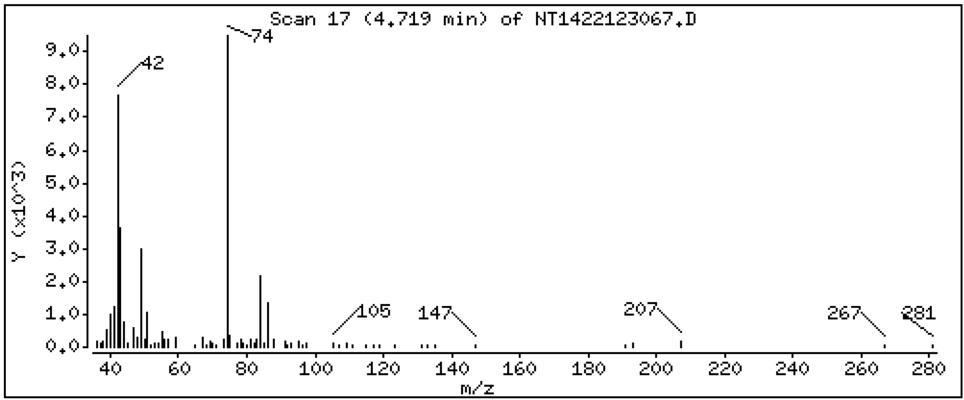
Client ID: Instrument: nt14.i

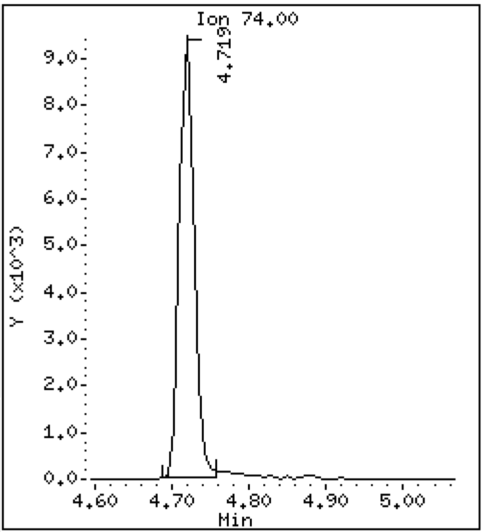
Sample Info: SKL0355-LCV3

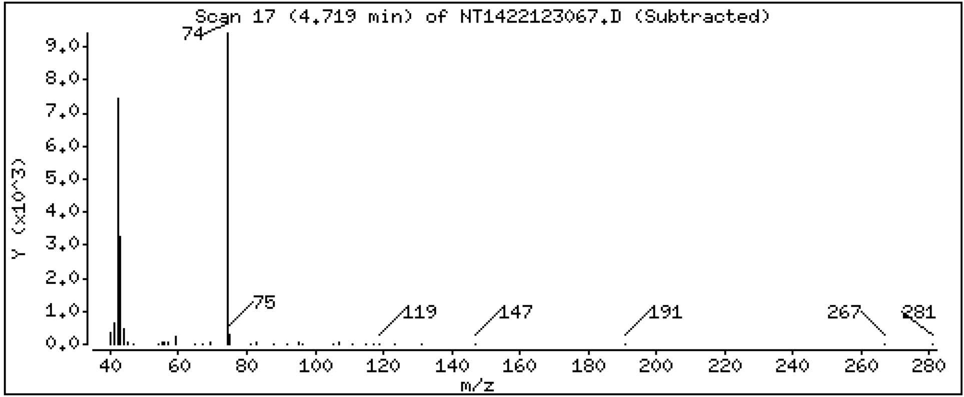
Operator: VTS

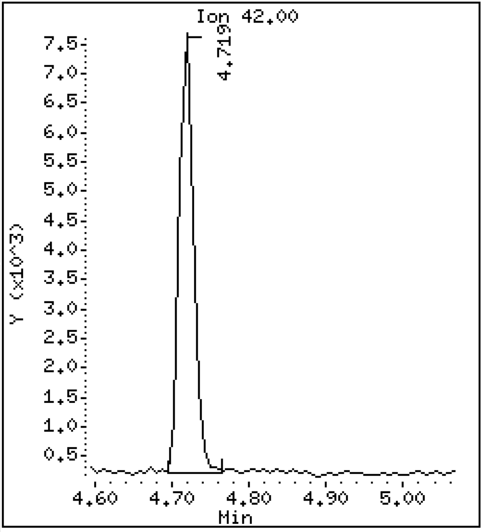
Column phase: ZB-5msi Column diameter: 0.25

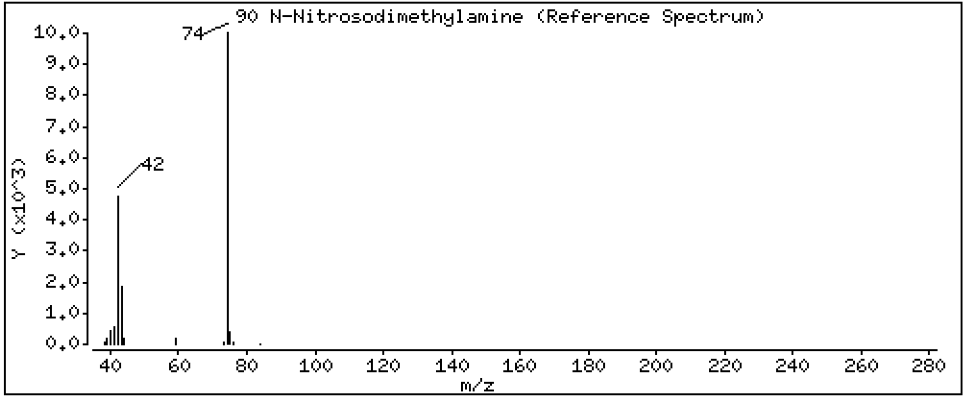
90 N-Nitrosodimethylamine Concentration: 0.4928 ug/mL

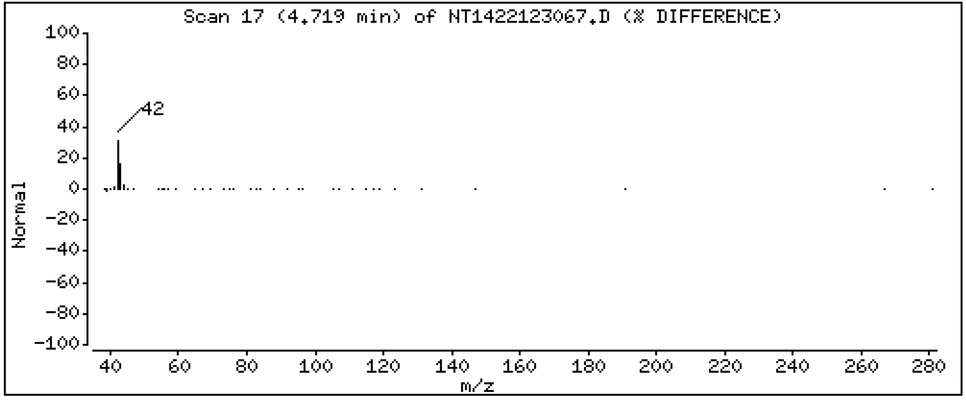












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Date : 01-JAN-2023 00:06

Client ID:

Instrument: nt14.i

Sample Info: SKL0355-LCV3

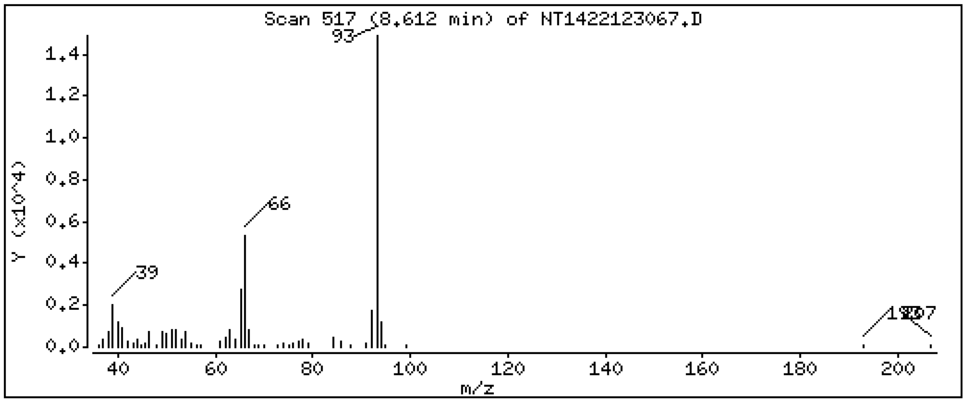
Operator: VTS

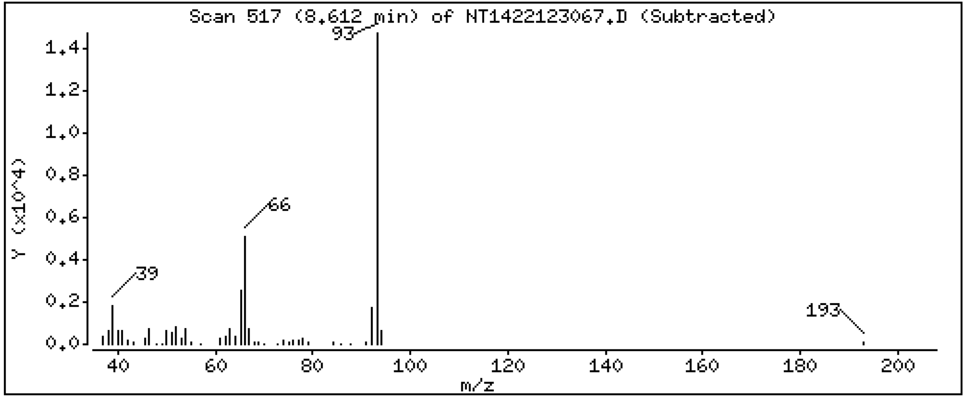
Column phase: ZB-5msi

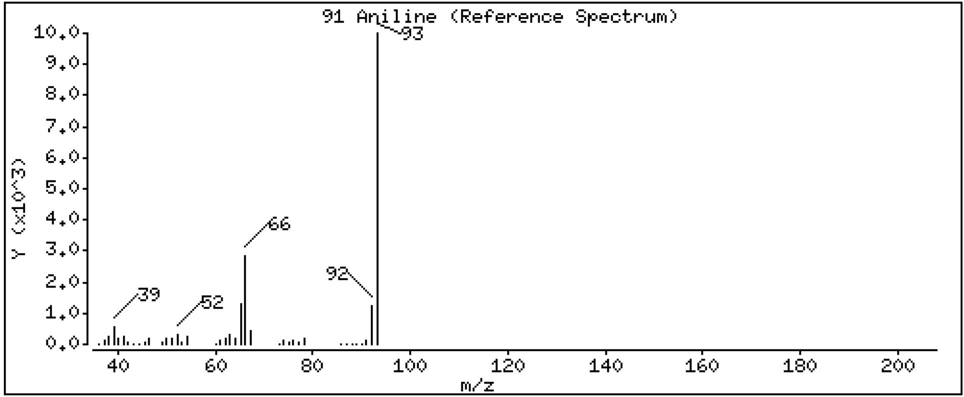
Column diameter: 0.25

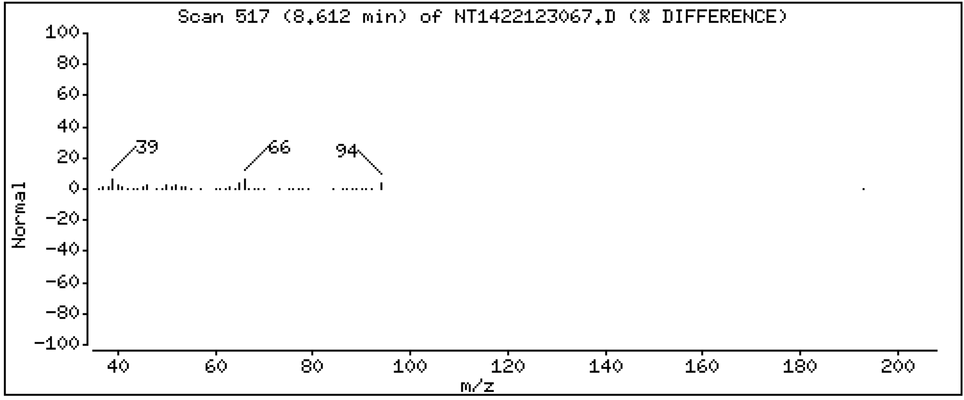
91 Aniline

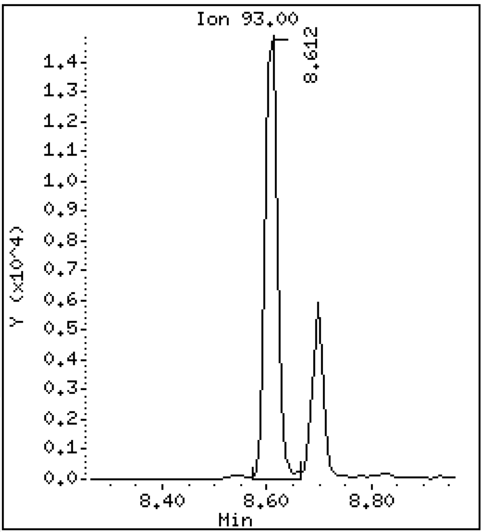
Concentration: 0.4840 ug/mL

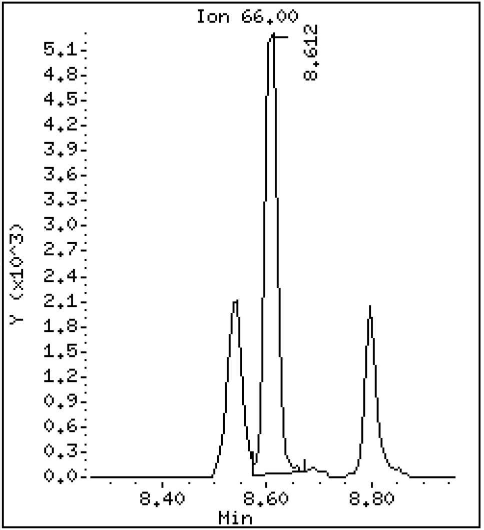

Scan 517 (8.612 min) of NT1422123067.D

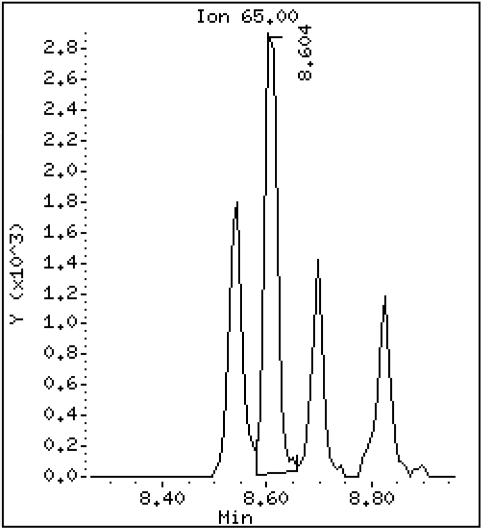

Scan 517 (8.612 min) of NT1422123067.D (Subtracted)


91 Aniline (Reference Spectrum)


Scan 517 (8.612 min) of NT1422123067.D (% DIFFERENCE)


Ion 93.00


Ion 66.00


Ion 65.00

Data File: \\target\share\chem3\nt14.i\20221230C.b\NT1422123067.D

Date : 01-JAN-2023 00:06

Client ID:

Instrument: nt14.i

Sample Info: SKL0355-LCV3

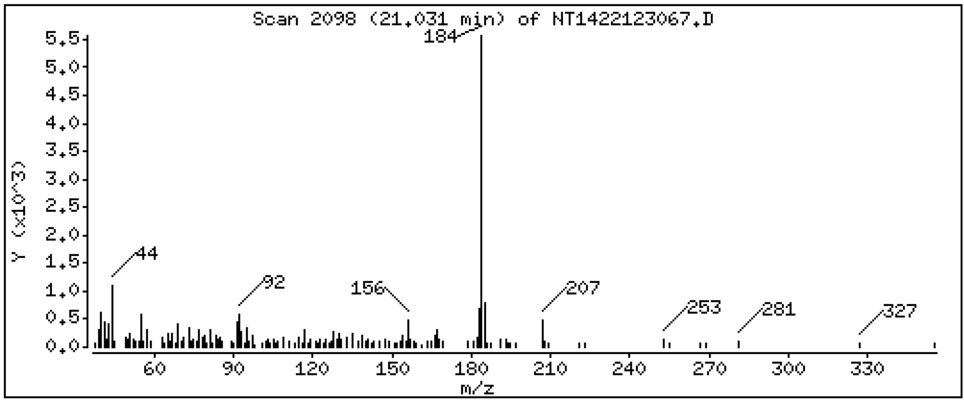
Operator: VTS

Column phase: ZB-5msi

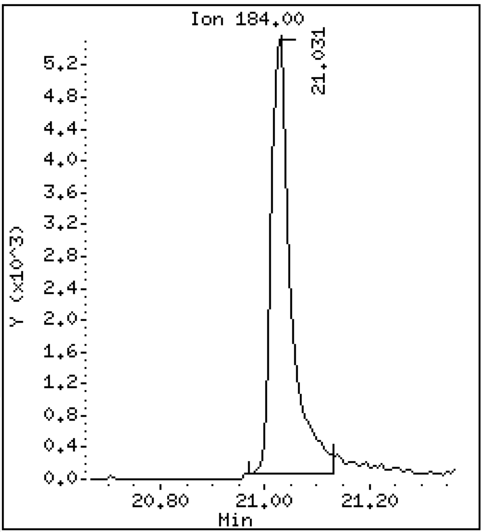
Column diameter: 0.25

93 Benzidine

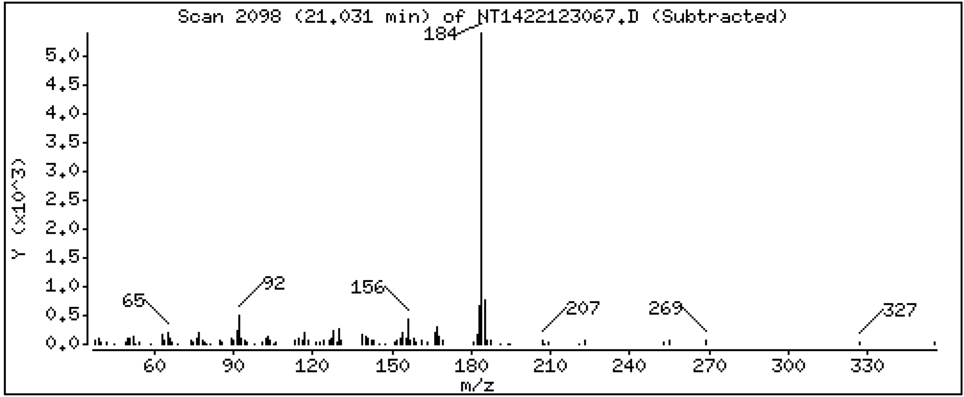
Concentration: 0.4312 ug/mL



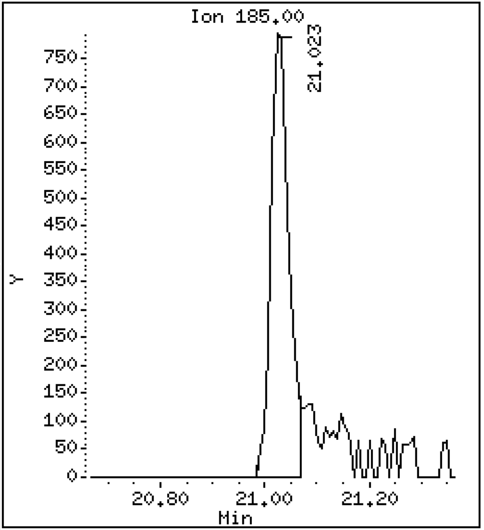
Scan 2098 (21.031 min) of NT1422123067.D



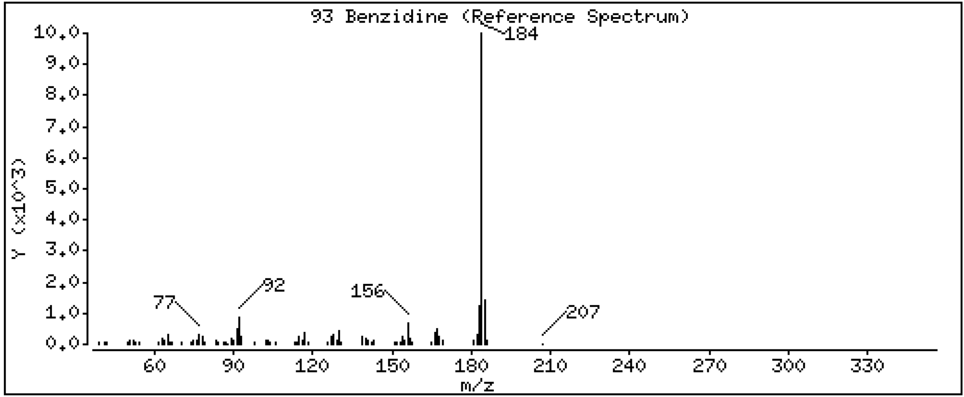
Ion 184.00



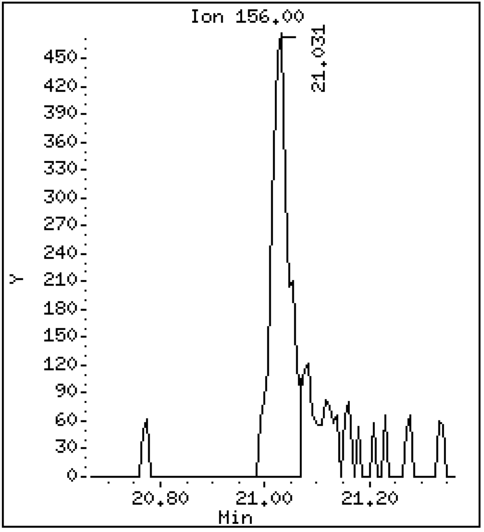
Scan 2098 (21.031 min) of NT1422123067.D (Subtracted)



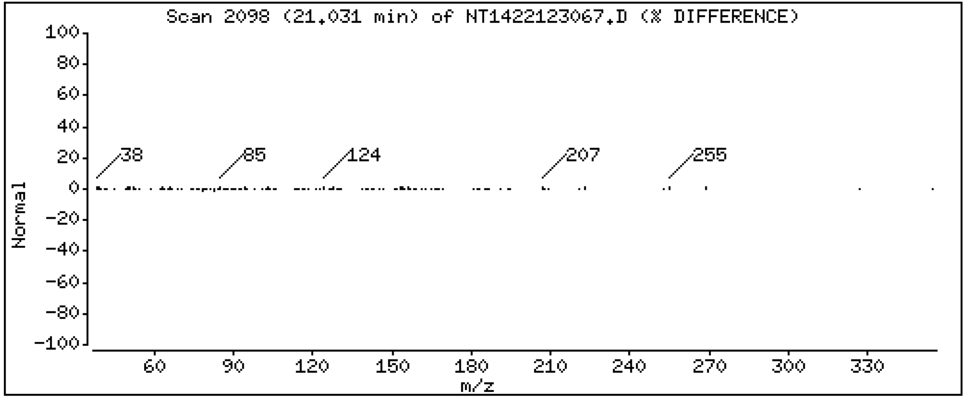
Ion 185.00



93 Benzidine (Reference Spectrum)



Ion 156.00



Scan 2098 (21.031 min) of NT1422123067.D (% DIFFERENCE)

Data File: \\target\share\chem3\nt14.i\20221230C.b\NT1422123067.D

Date : 01-JAN-2023 00:06

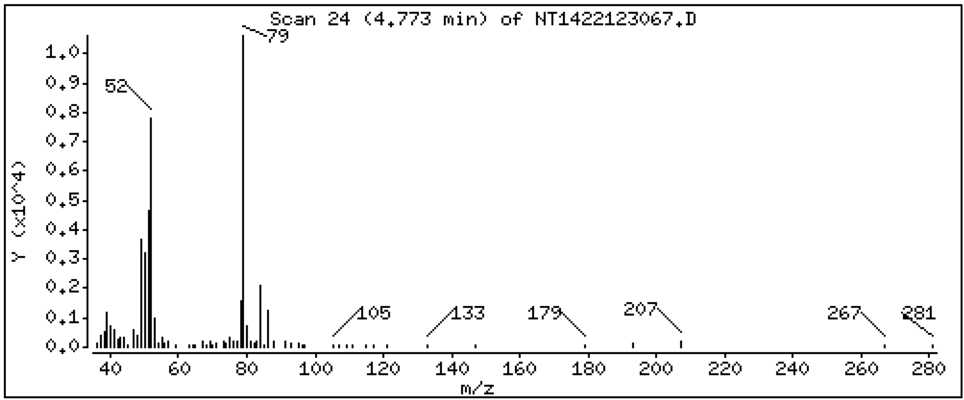
Client ID: Instrument: nt14.i

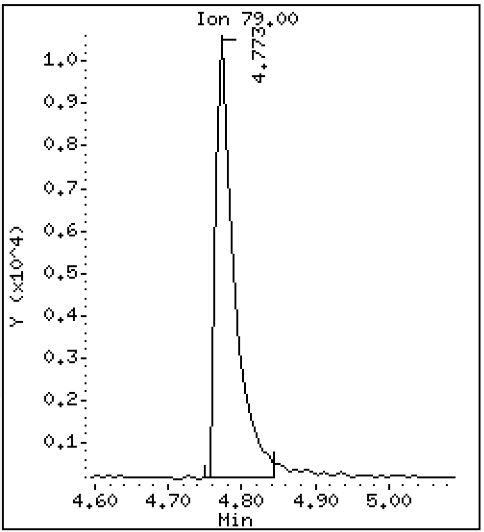
Sample Info: SKL0355-LCV3

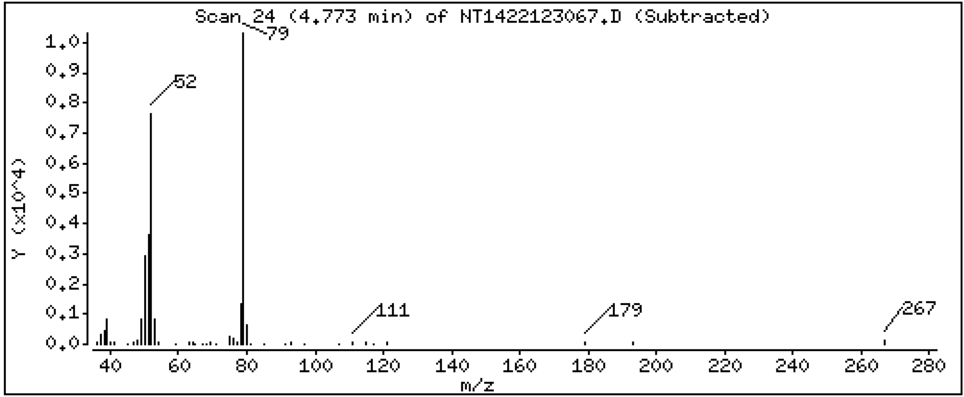
Operator: VTS

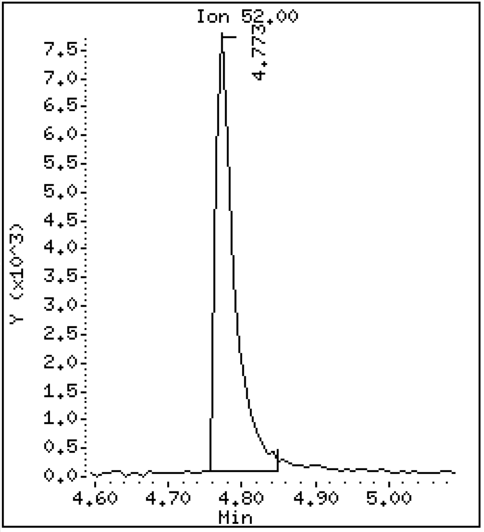
Column phase: ZB-5msi Column diameter: 0.25

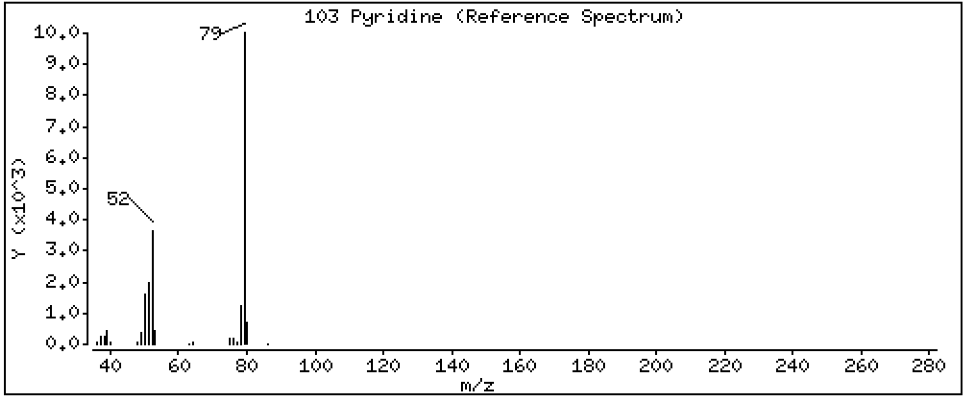
103 Pyridine Concentration: 0.2348 ug/mL

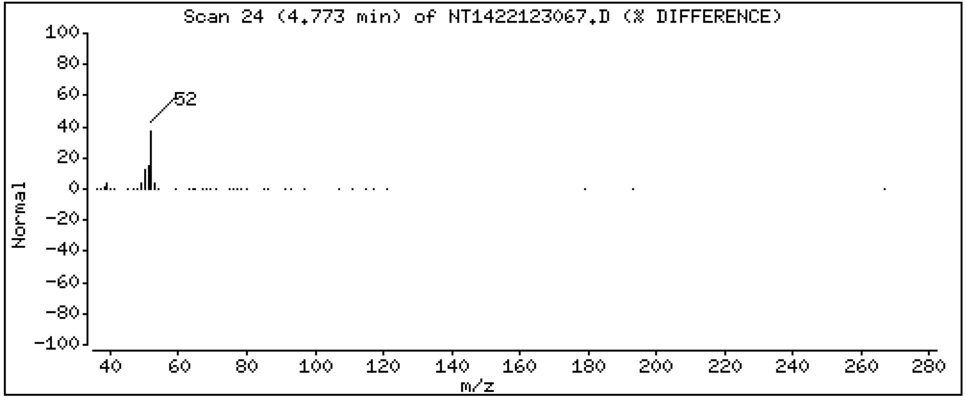












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Date : 01-JAN-2023 00:06

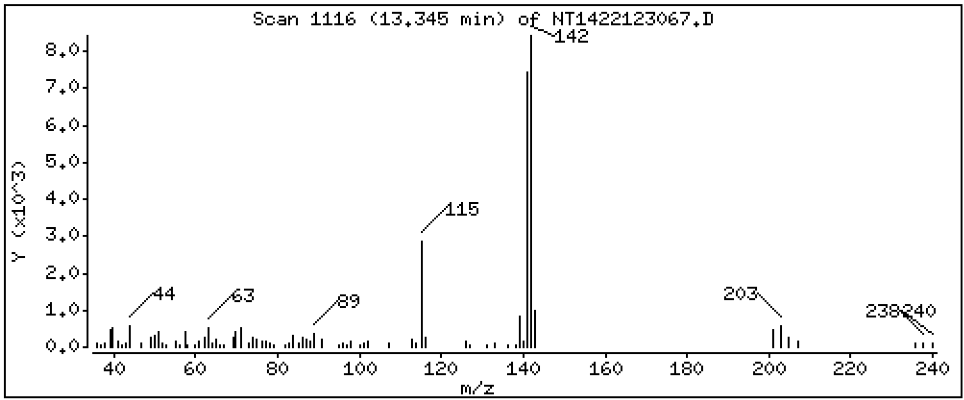
Client ID: Instrument: nt14.i

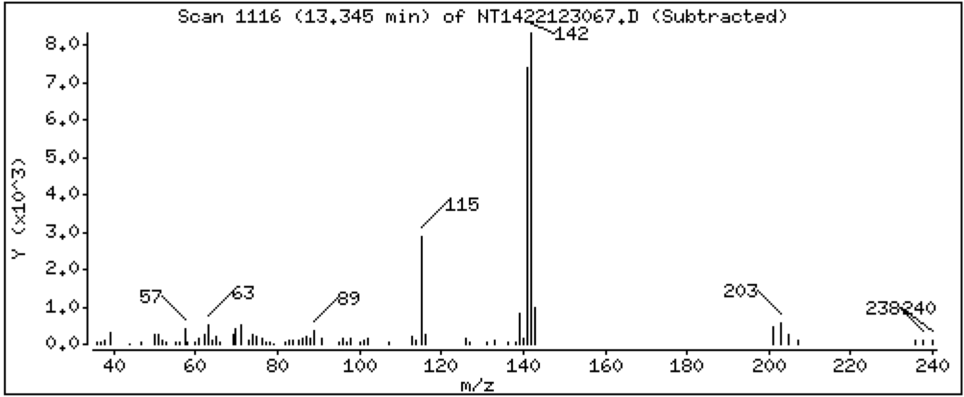
Sample Info: SKL0355-LCV3

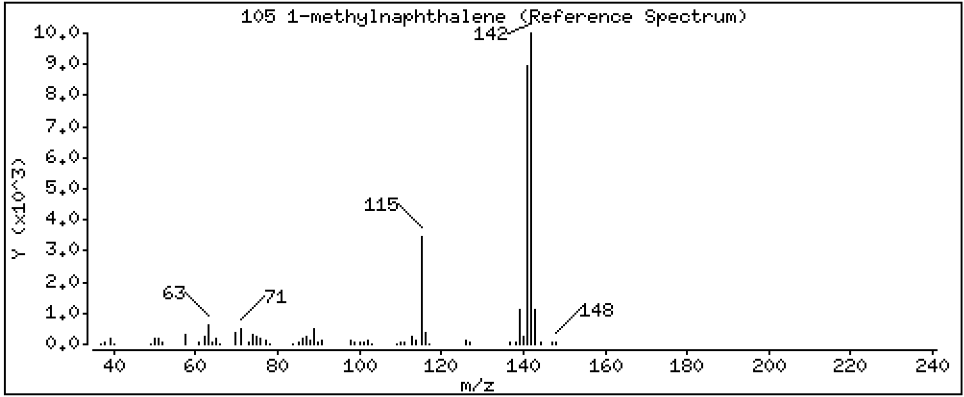
Operator: VTS

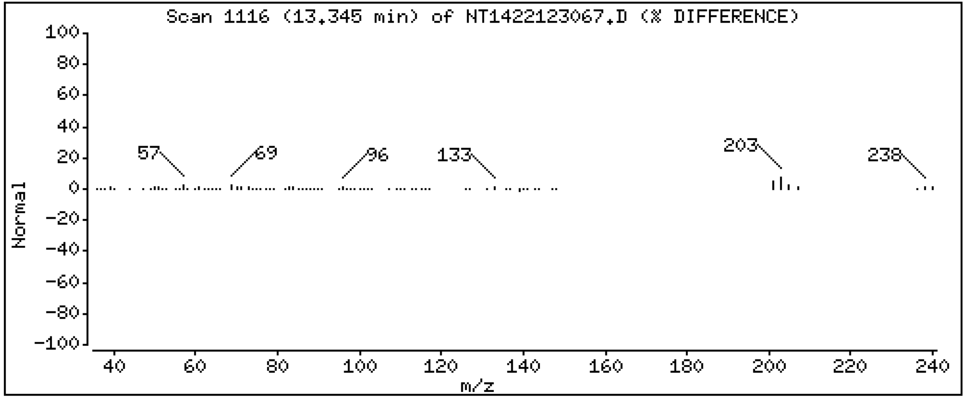
Column phase: ZB-5msi Column diameter: 0.25

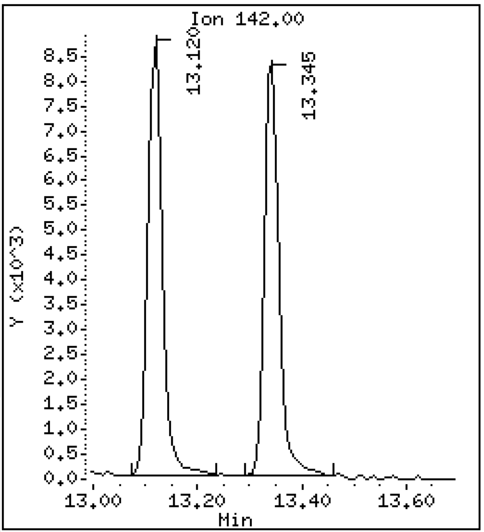
105 1-methylnaphthalene Concentration: 0.2273 ug/mL

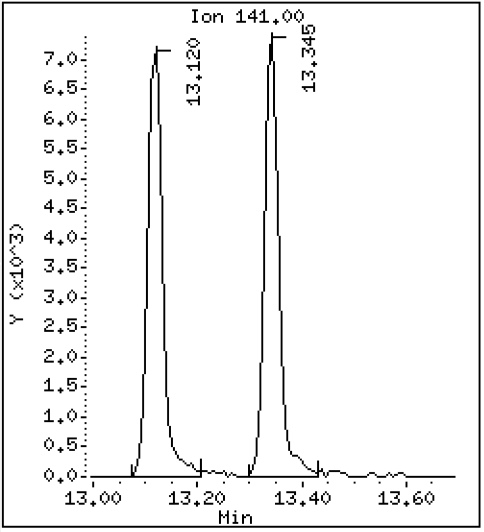












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Date : 01-JAN-2023 00:06

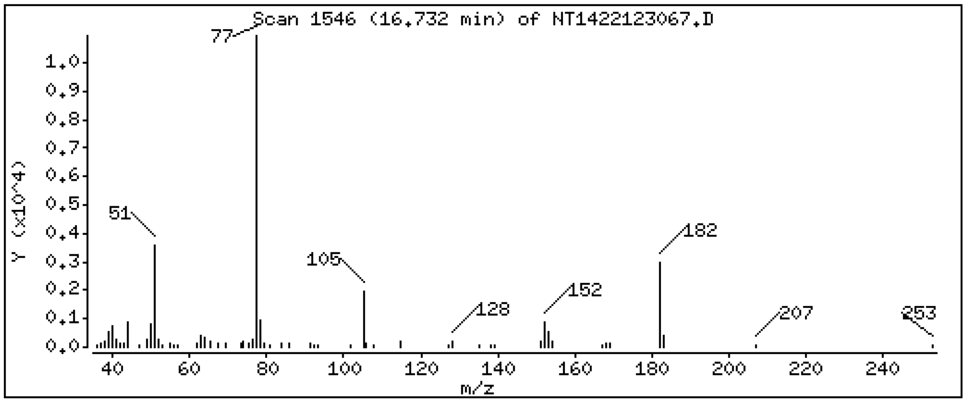
Client ID: Instrument: nt14.i

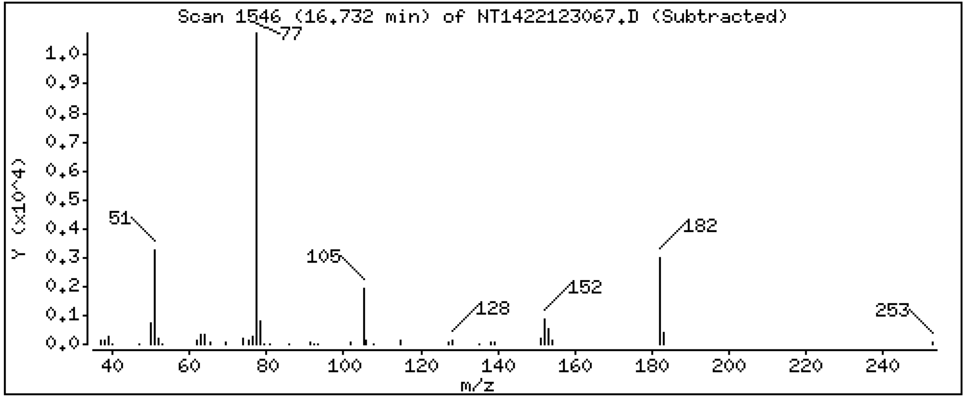
Sample Info: SKL0355-LCV3

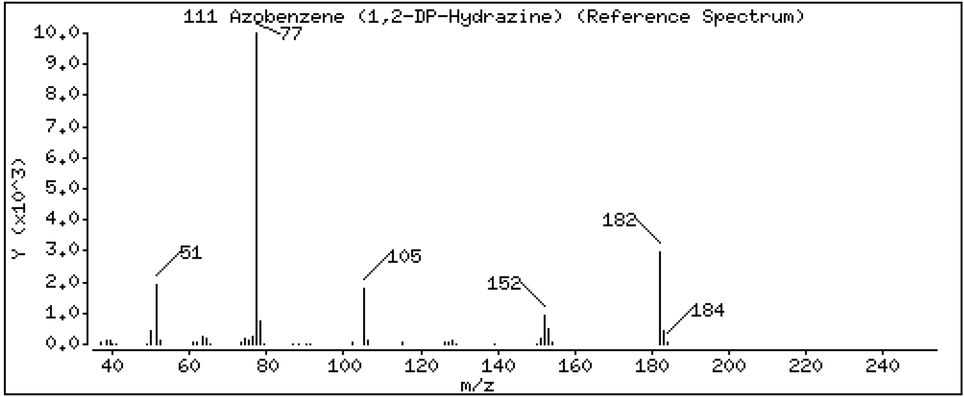
Operator: VTS

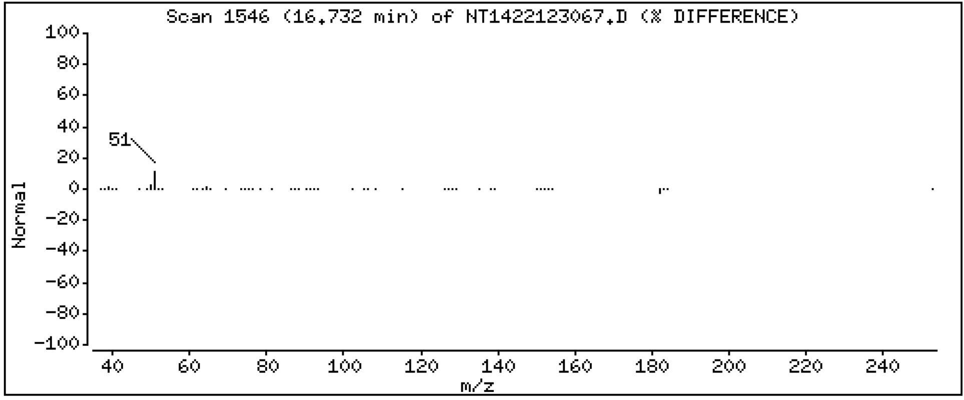
Column phase: ZB-5msi Column diameter: 0.25

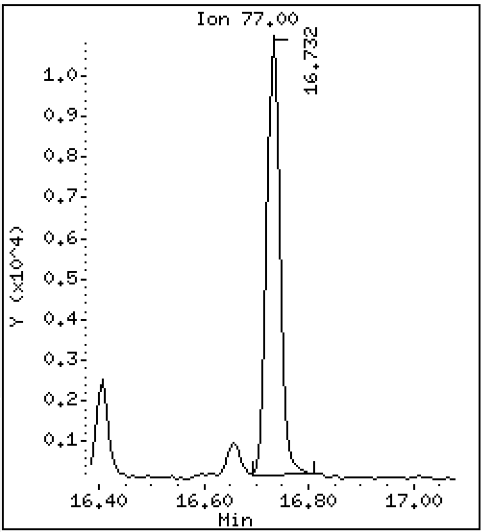
111 Azobenzene (1,2-DP-Hydrazine) Concentration: 0.2385 ug/mL

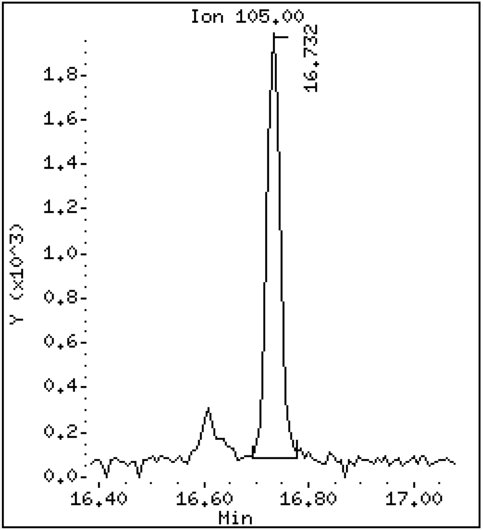


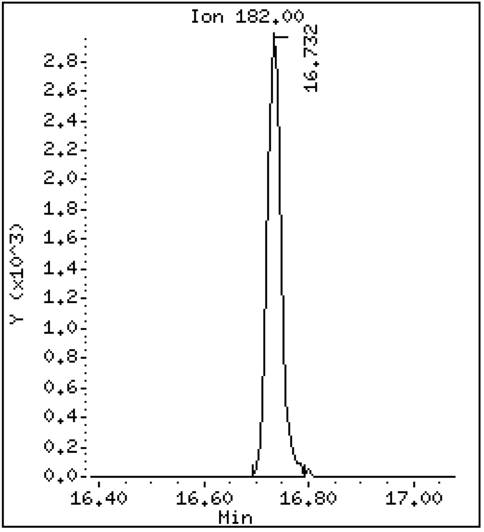












Data File: \\target\share\chem3\nt14.i\20221230C.b\NT1422123067.D

Date : 01-JAN-2023 00:06

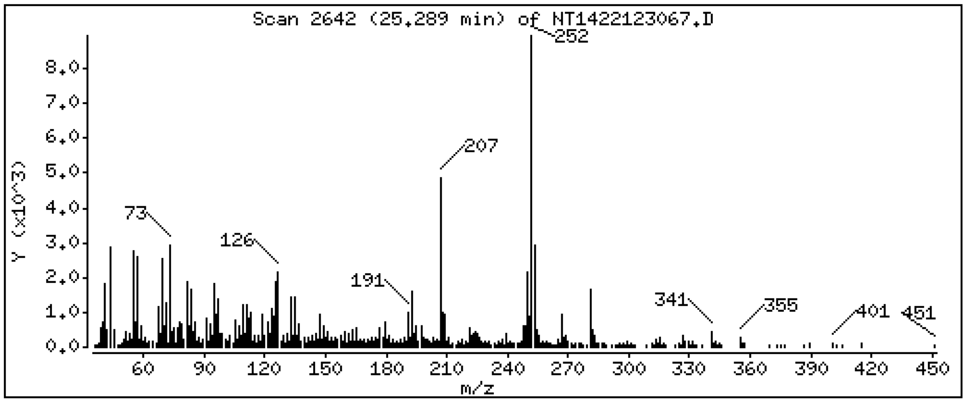
Client ID: Instrument: nt14.i

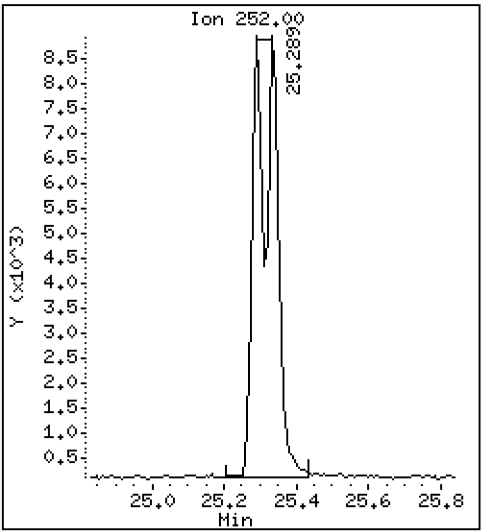
Sample Info: SKL0355-LCV3

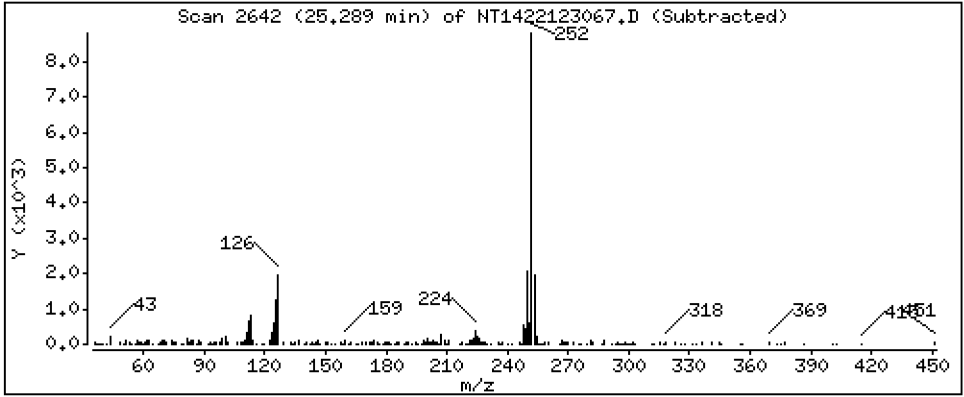
Operator: VTS

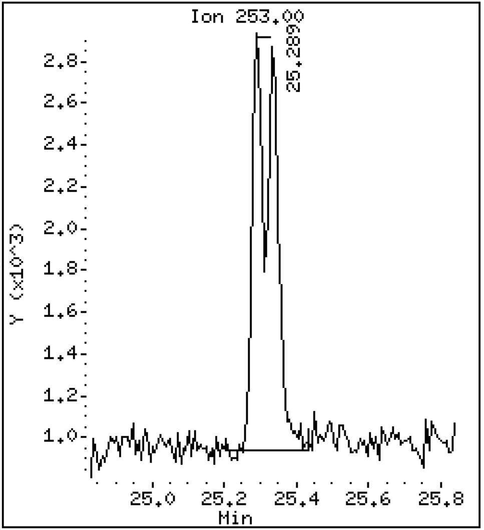
Column phase: ZB-5msi Column diameter: 0.25

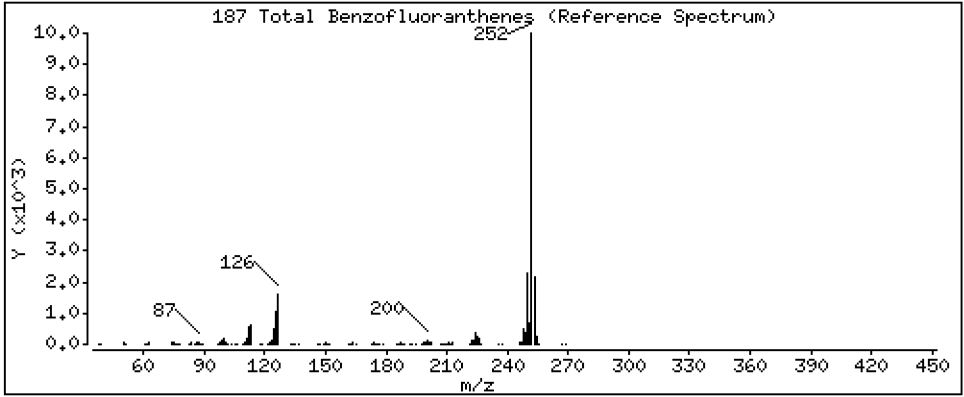
187 Total Benzofluoranthenes Concentration: 0.5264 ug/mL

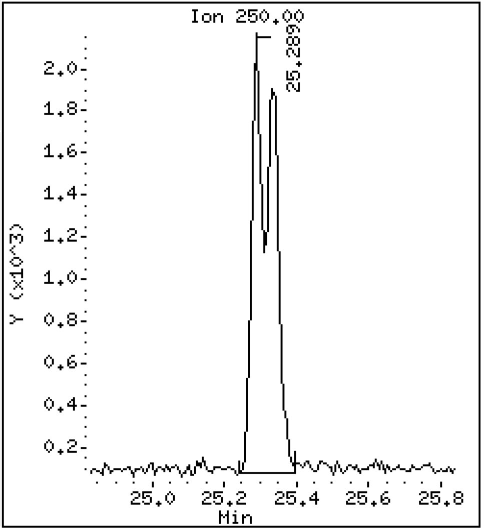


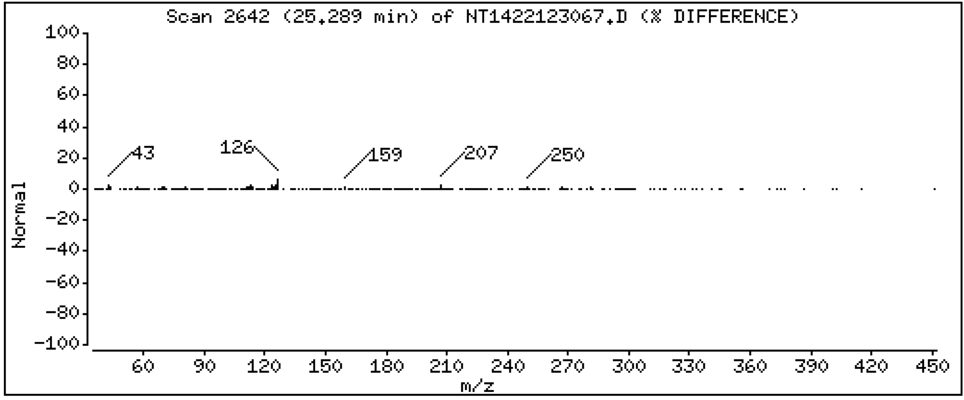












Data File: \\target\share\chem3\nt14.i\20221230C.b\NT1422123067.D

Date : 01-JAN-2023 00:06

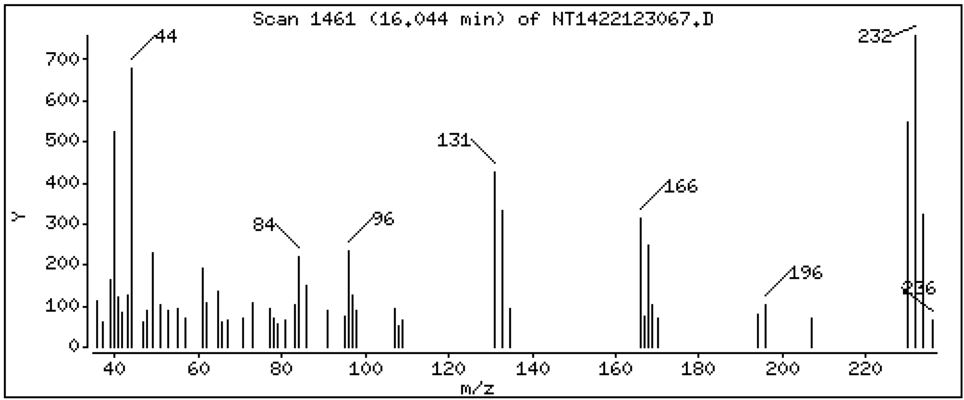
Client ID: Instrument: nt14.i

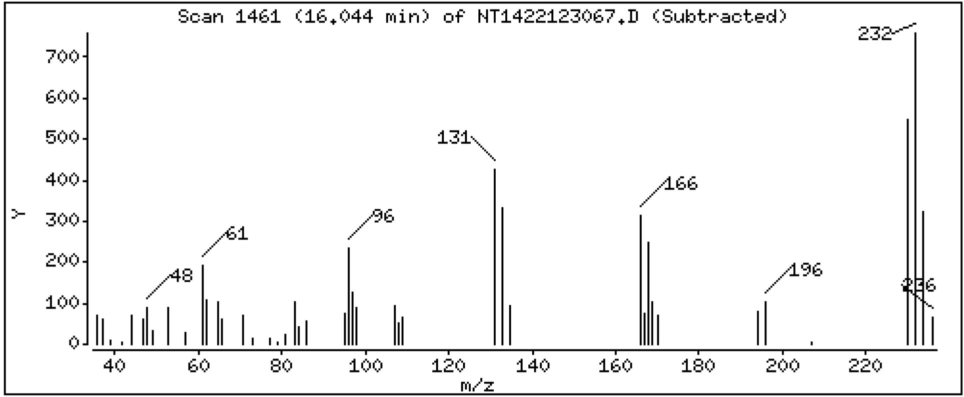
Sample Info: SKL0355-LCV3

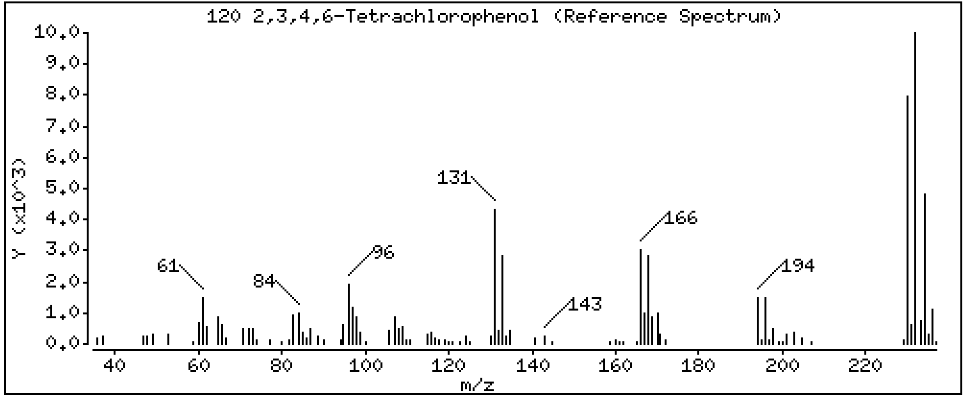
Operator: VTS

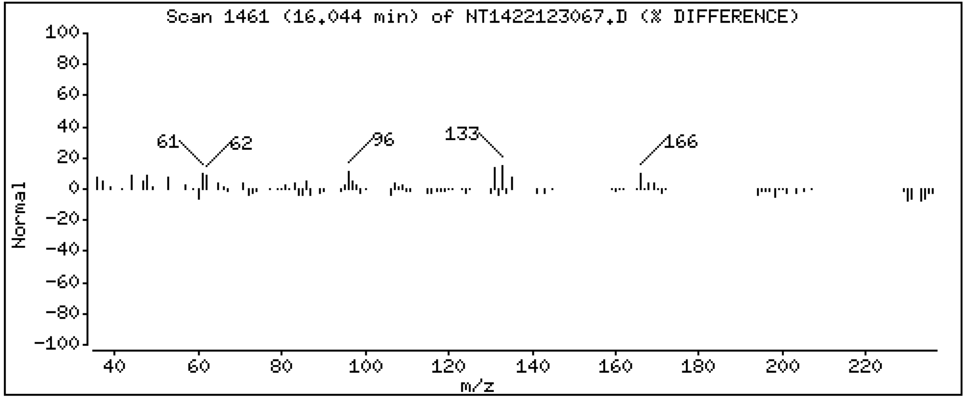
Column phase: ZB-5msi Column diameter: 0.25

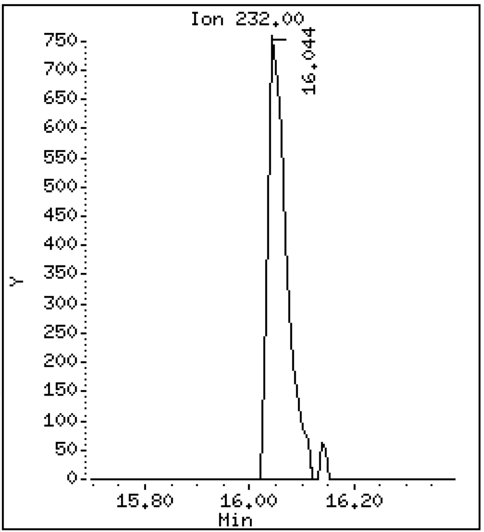
120 2,3,4,6-Tetrachlorophenol Concentration: 0.1280 ug/mL

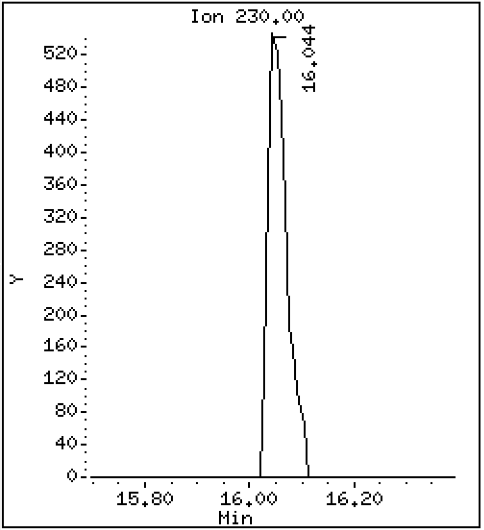


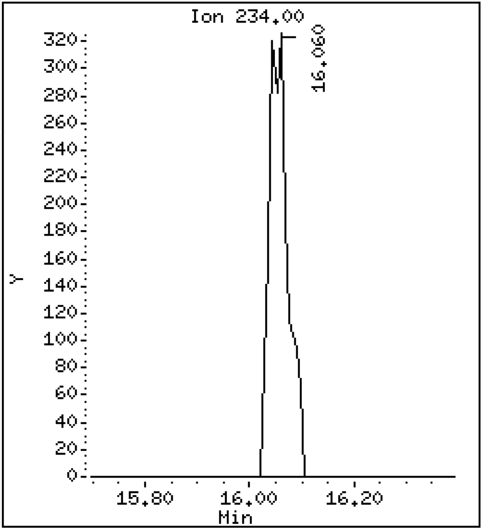












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Data File: \\target\share\chem3\nt14.i\20221230C.b\NT1422123067.D Page 1
Report Date: 04-Jan-2023 14:23



                              ARI Labs, Inc.

                  Semivolatile Report SW846 Method 8270D
Data file : \\target\share\chem3\nt14.i\20221230C.b\NT1422123067.D
Lab Smp Id: SKL0355-LCV3
Inj Date  : 01-JAN-2023 00:06            MS Autotune Date: 17-MAY-2011 01:22
Operator  : VTS                          Inst ID: nt14.i
Smp Info  : SKL0355-LCV3
Misc Info :
Comment   : 1ul Injection
Method    : \\target\share\chem3\nt14.i\20221230C.b\ABN.m
Meth Date : 04-Jan-2023 09:32 van        Quant Type: ISTD
Cal Date  : 30-DEC-2022 11:07            Cal File: NT1422123007.D
Als bottle: 4
Dil Factor: 1.00000
Integrator: HP RTE                       Compound Sublist: ICAL.sub
Target Version:  4.14
Processing Host: VANS-201906


                                                                                              CONCENTRATIONS
                                        QUANT SIG                                           ON-COLUMN    FINAL
Compounds                                 MASS          RT   EXP RT   REL RT  RESPONSE      (ug/mL)     (ug/mL)
==========================                ====        ==== ======== ======== ========     =======     =======
$   1 2-Fluorophenol                       112       6.919    6.919 (0.755)     12469     0.35660      0.3566
$   2 Phenol-d5                             99       8.519    8.519 (0.930)     13476     0.31186      0.3119
    3 Phenol                                94       8.542    8.542 (0.932)     11161     0.22731      0.2273
$   5 2-Chlorophenol-d4                    132       8.797    8.797 (0.960)     12221     0.33675      0.3367
    4 Bis(2-Chloroethyl)ether               93       8.696    8.696 (0.949)      8093     0.23927      0.2393
    6 2-Chlorophenol                       128       8.827    8.827 (0.964)      9811     0.24616      0.2462
    7 1,3-Dichlorobenzene                  146       9.098    9.098 (0.993)     10440     0.24702      0.2470
*   8 1,4-Dichlorobenzene-d4               152       9.160    9.160 (1.000)    109143     4.00000
    9 1,4-Dichlorobenzene                  146       9.191    9.191 (1.003)     10018     0.25020      0.2502
$  10 1,2-Dichlorobenzene-d4               152       9.525    9.525 (1.040)      5962     0.24036      0.2404
   12 1,2-Dichlorobenzene                  146       9.556    9.556 (1.043)      9504     0.24203      0.2420
   11 Benzyl alcohol                       108       9.440    9.440 (1.030)      3613     0.16529      0.1653(M)
   14 2,2'-oxybis(1-Chloropropane)         121       9.735    9.735 (1.063)      2767     0.24305      0.2430
   13 2-Methylphenol                       108       9.665    9.665 (1.055)      7875     0.22072      0.2207
   17 Hexachloroethane                     117      10.154   10.154 (1.108)      2915     0.19795      0.1979
   16 N-Nitroso-di-n-propylamine            70       9.991    9.998 (1.091)      5112     0.23520      0.2352
   15 4-Methylphenol                       108       9.936    9.936 (1.085)      7826     0.20792      0.2079
$  18 Nitrobenzene-d5                       82      10.262   10.262 (0.880)      7594     0.22651      0.2265
   19 Nitrobenzene                          77      10.293   10.301 (0.882)      7425     0.22300      0.2230
   20 Isophorone                            82      10.743   10.751 (0.921)      8370     0.19724      0.1972
   21 2-Nitrophenol                        139      10.937   10.937 (0.938)      4304     0.21163      0.2116
   22 2,4-Dimethylphenol                   107      10.992   10.992 (0.942)     15950     0.45898      0.4590
   23 Bis(2-Chloroethoxy)methane            93      11.186   11.186 (0.959)      7789     0.23594      0.2359
   24 Benzoic acid                         105      11.131   11.209 (0.954)      4437     0.20974      0.2097(M)
   25 2,4-Dichlorophenol                   162      11.403   11.395 (0.977)     12011     0.41003      0.4100
   26 1,2,4-Trichlorobenzene               180      11.581   11.581 (0.993)      7605     0.24010      0.2401
*  27 Naphthalene-d8                       136      11.666   11.673 (1.000)    397029     4.00000
   28 Naphthalene                          128      11.712   11.712 (1.004)     23009     0.23549      0.2355
   29 4-Chloroaniline                      127      11.835   11.835 (1.015)     16324     0.40512      0.4051
   30 Hexachlorobutadiene                  225      12.075   12.075 (1.035)      3740     0.23799      0.2380
   31 4-Chloro-3-methylphenol              107      12.826   12.810 (1.099)     11960     0.43265      0.4327
   32 2-Methylnaphthalene                  142      13.120   13.120 (1.125)     16268     0.22698      0.2270
   33 Hexachlorocyclopentadiene            237      13.584   13.584 (0.887)       624     0.04042     0.04042
```

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Data File: \\target\share\chem3\nt14.i\20221230C.b\NT1422123067.D Page 2
Report Date: 04-Jan-2023 14:23

                                                                                          CONCENTRATIONS
                                      QUANT SIG                                         ON-COLUMN    FINAL
Compounds                               MASS           RT   EXP RT   REL RT  RESPONSE    (ug/mL)    (ug/mL)
==========================              ====          ==== ======== ======== ========    =======    =======
   34 2,4,6-Trichlorophenol              196        13.754  13.739 (0.898)       5867    0.34421     0.3442
   35 2,4,5-Trichlorophenol              196        13.839  13.816 (0.904)       7090    0.36041     0.3604
$  36 2-Fluorobiphenyl                   172        13.901  13.901 (0.908)      15298    0.22280     0.2228
   37 2-Chloronaphthalene                162        14.118  14.118 (0.922)      13703    0.23460     0.2346
   38 2-Nitroaniline                      65        14.381  14.373 (0.939)       6597    0.42959     0.4296
   39 Dimethylphthalate                  163        14.799  14.799 (0.967)      12311    0.21377     0.2138
   40 Acenaphthylene                     152        14.993  14.993 (0.979)      20407    0.22913     0.2291
   41 2,6-Dinitrotoluene                 165        14.946  14.938 (0.976)       4965    0.38201     0.3820
*  42 Acenaphthene-d10                   164        15.310  15.310 (1.000)     204214    4.00000
   43 3-Nitroaniline                     138        15.240  15.225 (0.995)       5629    0.35634     0.3563
   44 Acenaphthene                       153        15.372  15.371 (1.004)      13024    0.23577     0.2358
   45 2,4-Dinitrophenol                   184            Compound Not Detected.
   46 Dibenzofuran                       168        15.704  15.704 (1.026)      19925    0.24053     0.2405
   47 4-Nitrophenol                      109        15.665  15.557 (1.023)       2026    0.26799     0.2680(M)
   48 2,4-Dinitrotoluene                 165        15.758  15.750 (1.029)       6043    0.33888     0.3389
   50 Diethylphthalate                   149        16.260  16.268 (1.062)      20315    0.25952     0.2595
   49 Fluorene                           166        16.423  16.423 (1.073)      20566    0.23337     0.2334
   51 4-Chlorophenyl-phenylether         204        16.407  16.407 (1.072)       9124    0.21148     0.2115
   52 4-Nitroaniline                     138        16.531  16.500 (1.080)       7107    0.37385     0.3738(M)
   53 4,6-Dinitro-2-methylphenol         198        16.608  16.600 (0.905)       1281    0.09261    0.09261
   54 N-Nitrosodiphenylamine             169        16.654  16.654 (0.907)      14191    0.25087     0.2509
$  55 2,4,6-Tribromophenol               330        16.955  16.955 (1.107)       2149    0.22461     0.2246
   56 4-Bromophenyl-phenylether          248        17.417  17.410 (0.949)       4781    0.22320     0.2232
   57 Hexachlorobenzene                  284        17.734  17.734 (0.966)       5567    0.23683     0.2368
   58 Pentachlorophenol                  266        18.106  18.090 (0.986)        206    0.02024    0.02024(M)
*  59 Phenanthrene-d10                   188        18.361  18.361 (1.000)     329657    4.00000
   60 Phenanthrene                       178        18.408  18.408 (1.003)      20593    0.23959     0.2396
   61 Anthracene                         178        18.500  18.500 (1.008)      19055    0.23223     0.2322
   62 Carbazole                          167        18.841  18.825 (1.026)      18308    0.23080     0.2308
   63 Di-n-butylphthalate                149        19.615  19.614 (1.068)      20354    0.22726     0.2273
   64 Fluoranthene                       202        20.791  20.791 (0.889)      20667    0.23809     0.2381
   65 Pyrene                             202        21.216  21.216 (0.907)      21300    0.23339     0.2334
$  66 Terphenyl-d14                      244        21.495  21.495 (0.919)      14382    0.22224     0.2222
   67 Butylbenzylphthalate               149        22.408  22.408 (0.958)       9292    0.26989     0.2699
   68 Benzo(a)anthracene                 228        23.368  23.376 (0.999)      21552    0.26391     0.2639
*  69 Chrysene-d12                       240        23.399  23.399 (1.000)     269585    4.00000
   70 3,3'-Dichlorobenzidine             252        23.322  23.322 (0.997)      20482    0.81929     0.8193
   71 Chrysene                           228        23.446  23.446 (1.002)      18735    0.24287     0.2429
   72 bis(2-Ethylhexyl)phthalate         149        23.430  23.430 (0.959)      13030    0.26109     0.2611
* 134 Di-n-octylphthalate-d4             153        24.421  24.421 (1.000)     449369    4.00000
   73 Di-n-octylphthalate                149        24.429  24.429 (1.000)      26527    0.24592     0.2459
   74 Benzo(b)fluoranthene               252        25.288  25.296 (0.969)      17280    0.24137     0.2414
   75 Benzo(k)fluoranthene               252        25.335  25.335 (0.971)      20473    0.28097     0.2810
   76 Benzo(a)pyrene                     252        25.970  25.970 (0.996)      15021    0.25240     0.2524
*  77 Perylene-d12                       264        26.086  26.086 (1.000)     227797    4.00000
   78 Indeno(1,2,3-cd)pyrene             276        28.861  28.838 (1.106)      10107    0.14940     0.1494
   79 Dibenzo(a,h)anthracene             278        28.877  28.853 (1.107)       8673    0.15086     0.1509
   80 Benzo(g,h,i)perylene               276        29.677  29.653 (1.138)       5996    0.10580     0.1058
   90 N-Nitrosodimethylamine              74         4.718   4.718 (0.515)      11868    0.49283     0.4928
   91 Aniline                             93         8.611   8.611 (0.940)      23141    0.48403     0.4840
   93 Benzidine                          184        21.030  21.015 (0.899)      14240    0.43116     0.4312
  103 Pyridine                            79         4.772   4.741 (0.521)      17969    0.23482     0.2348
  105 1-methylnaphthalene                142        13.344  13.344 (1.144)      15653    0.22730     0.2273
  111 Azobenzene (1,2-DP-Hydrazine)       77        16.731  16.731 (1.093)      18088    0.23851     0.2385
```

```
                                                                                             CONCENTRATIONS
                                     QUANT SIG                                             ON-COLUMN    FINAL
Compounds                               MASS          RT    EXP RT   REL RT  RESPONSE     (ug/mL)    (ug/mL)
==========================              ====        ==== ======== ======== ========     =======    =======
  187 Total Benzofluoranthenes           252      25.288  25.335 (0.969)      36432     0.52638     0.5264
  120 2,3,4,6-Tetrachlorophenol          232      16.044  16.044 (1.048)       1840     0.12799     0.1280
```

QC Flag Legend

M - Compound response manually integrated.

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Data File: \\target\share\chem3\nt14.i\20221230C.b\NT1422123067.D Page 1
Report Date: 04-Jan-2023 14:23

                                  ARI Labs, Inc.

                            INTERNAL STANDARD COMPOUNDS
                                AREA AND RT SUMMARY

Instrument ID: nt14.i                              Calibration Date: 31-DEC-2022
Lab File ID: NT1422123067.D                        Calibration Time: 23:30
Lab Smp Id: SKL0355-LCV3
Analysis Type: SV                                        Level:
Quant Type: ISTD                                   Sample Type:
Operator: VTS
Method File: \\target\share\chem3\nt14.i\20221230C.b\ABN.m
Misc Info:

Test Mode:
           Use Last Continuing Calibrator.

 |_____________________|__________|______AREA LIMIT_____|__________|_______|
  COMPOUND              STANDARD    LOWER      UPPER      SAMPLE    %DIFF
 ====================== ========== ========== ========== ========== =======
   8 1,4-Dichlorobenze      138755      69378     277510     109143  -21.34
  27 Naphthalene-d8         501723     250862    1003446     397029  -20.87
  42 Acenaphthene-d10       275234     137617     550468     204214  -25.80
  59 Phenanthrene-d10       440085     220043     880170     329657  -25.09
  69 Chrysene-d12           384795     192398     769590     269585  -29.94
 134 Di-n-octylphthala      674530     337265    1349060     449369  -33.38
  77 Perylene-d12           336665     168333     673330     227797  -32.34
 |_____________________|__________|__________|__________|__________|_______|


 |_____________________|__________|_______RT LIMIT______|__________|_______|
  COMPOUND              STANDARD    LOWER      UPPER      SAMPLE    %DIFF
 ====================== ========== ========== ========== ========== =======
   8 1,4-Dichlorobenze        9.16       8.66       9.66       9.16    0.00
  27 Naphthalene-d8          11.67      11.17      12.17      11.67   -0.07
  42 Acenaphthene-d10        15.31      14.81      15.81      15.31    0.00
  59 Phenanthrene-d10        18.36      17.86      18.86      18.36    0.00
  69 Chrysene-d12            23.40      22.90      23.90      23.40    0.00
 134 Di-n-octylphthala       24.42      23.92      24.92      24.42    0.00
  77 Perylene-d12            26.09      25.59      26.59      26.09    0.00
 |_____________________|__________|__________|__________|__________|_______|

AREA UPPER LIMIT = +100% of internal standard area.
AREA LOWER LIMIT = - 50% of internal standard area.
RT UPPER LIMIT = + 0.50 minutes of internal standard RT.
RT LOWER LIMIT = - 0.50 minutes of internal standard RT.
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```
REVIEW SUMMARY FOR FILE - NT1422123067.D

Lab ID: SKL0355-LCV3
nt14.i,  20221230C.b\ABN.m,    01-JAN-2023 00:06


     RT      CO-ELUTION COMPOUNDS
---------------------------------------------------------------------------

            NO CO-ELUTIONS



Quant Method: ICAL




        RRT CHECK

   RRT    CCV RRT   DELTA    COMPOUND
 -------------------------------------

  0.954    0.960   -0.0060   Benzoic acid
  1.023    1.016    0.0071   4-Nitrophenol

  RRT check based on Ccal File: NT1422123066.D


 On Column LOD for nt14.i, 20221230C.b\ABN.m, ICAL.sub = 0.0000



 * Only compounds listed in the work order have been verified by the analyst *
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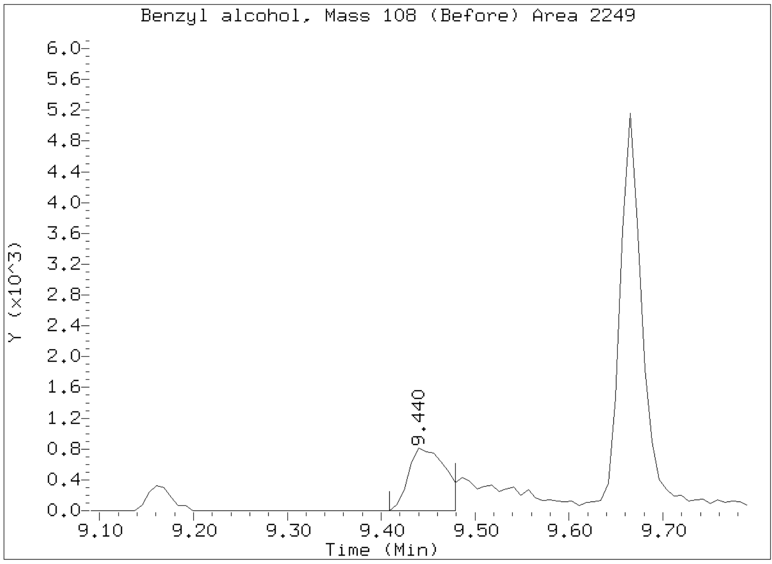
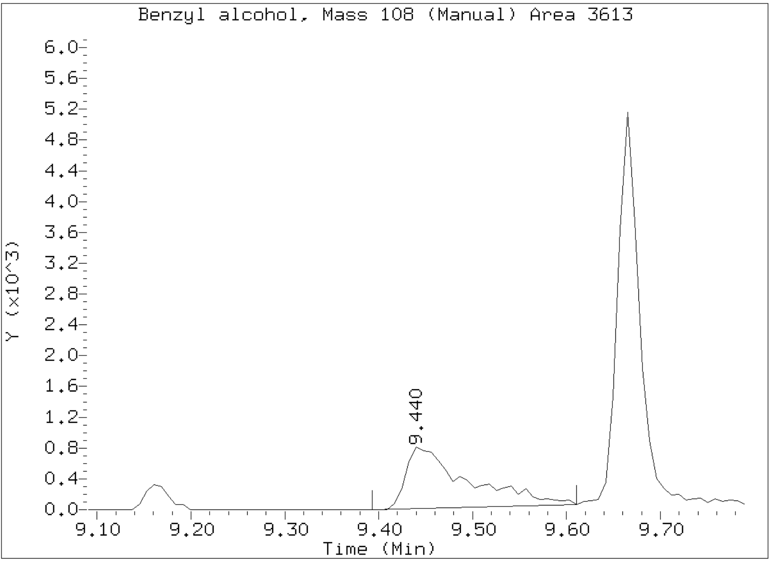
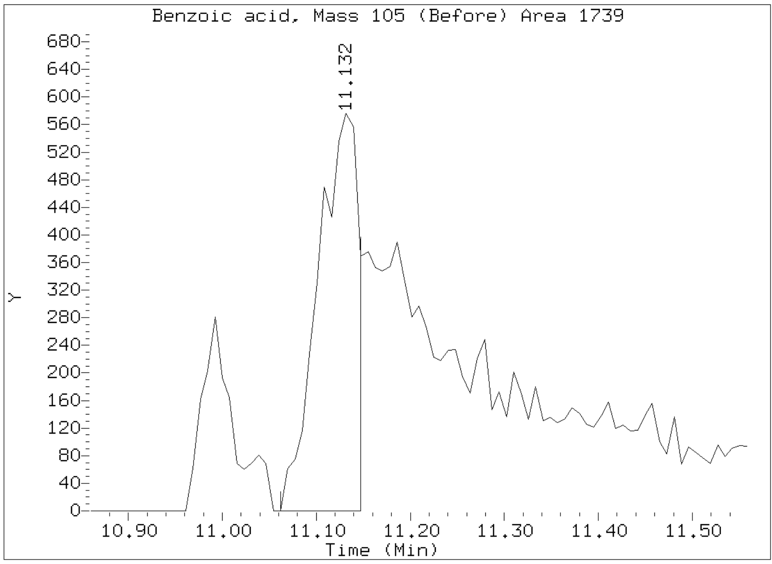
Quant Ion Manual Peak Adjustment Report

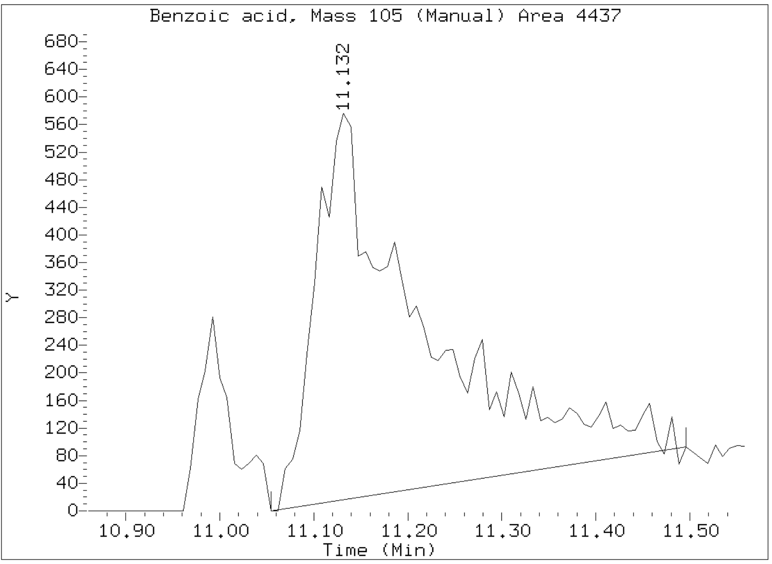
Datafile: //target/share/chem3/nt14.i/20221230C.b/NT1422123067.D
Injection Date: 01-JAN-2023 00:06
Lab ID:SKL0355-LCV3 Client ID:
Report Date: 01/04/2023 14:23

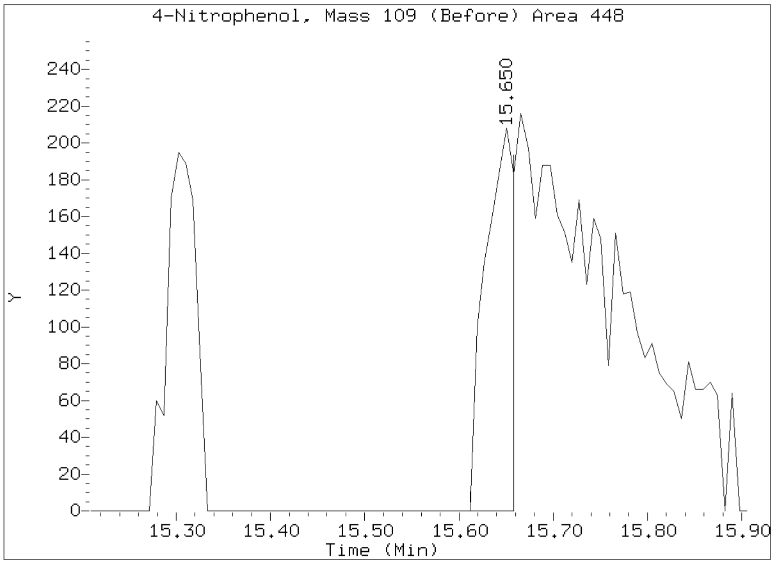
REVIEWED
By Brian Bebee
01/07/2023 @ 06:32 PM

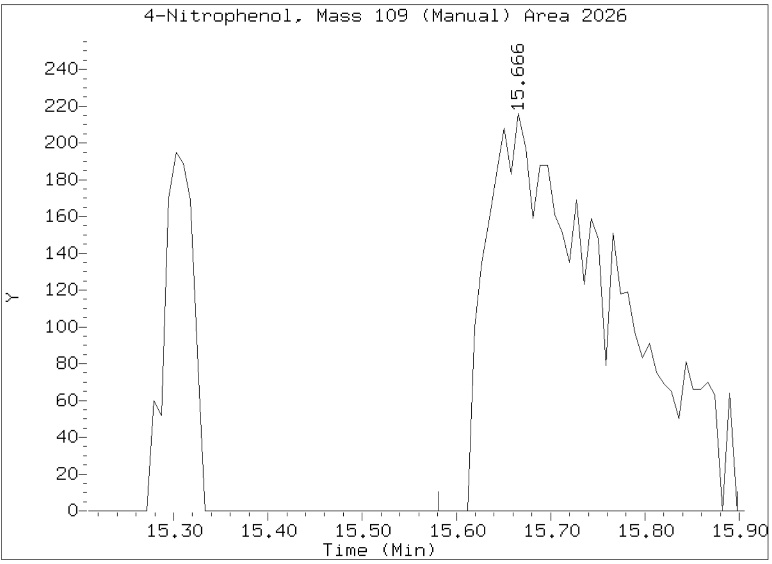

Benzyl alcohol, Mass 108 (Before) Area 2249


Benzyl alcohol, Mass 108 (Manual) Area 3613


Benzoic acid, Mass 105 (Before) Area 1739


Benzoic acid, Mass 105 (Manual) Area 4437


4-Nitrophenol, Mass 109 (Before) Area 448

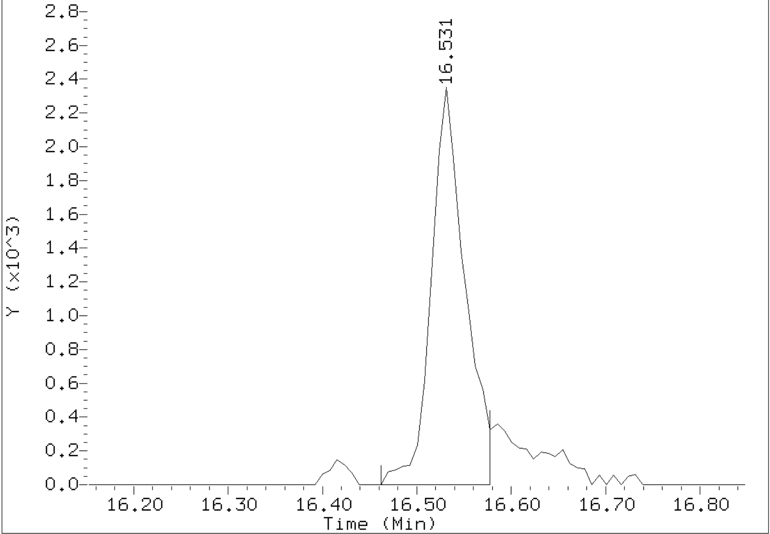

4-Nitrophenol, Mass 109 (Manual) Area 2026

Quant Ion Manual Peak Adjustment Report

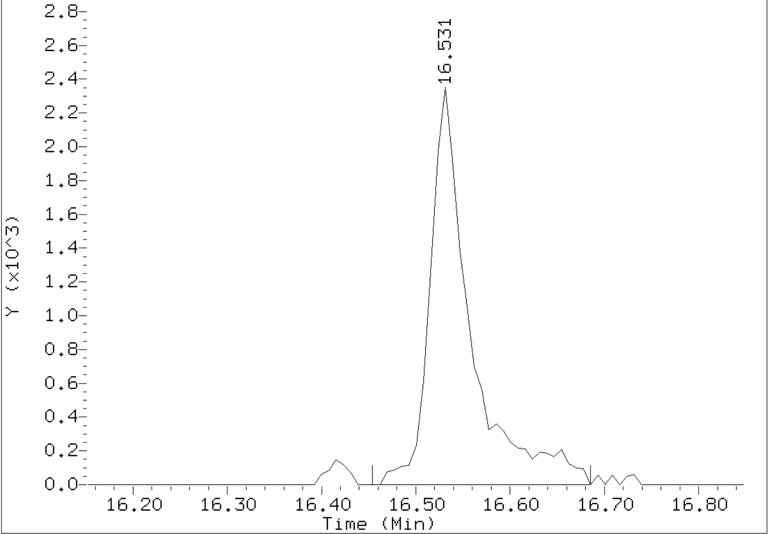
Datafile: //target/share/chem3/nt14.i/20221230C.b/NT1422123067.D
Injection Date: 01-JAN-2023 00:06
Lab ID:SKL0355-LCV3 Client ID:
Report Date: 01/04/2023 14:23

REVIEWED
By Brian Bebee
01/07/2023 @ 06:32 PM

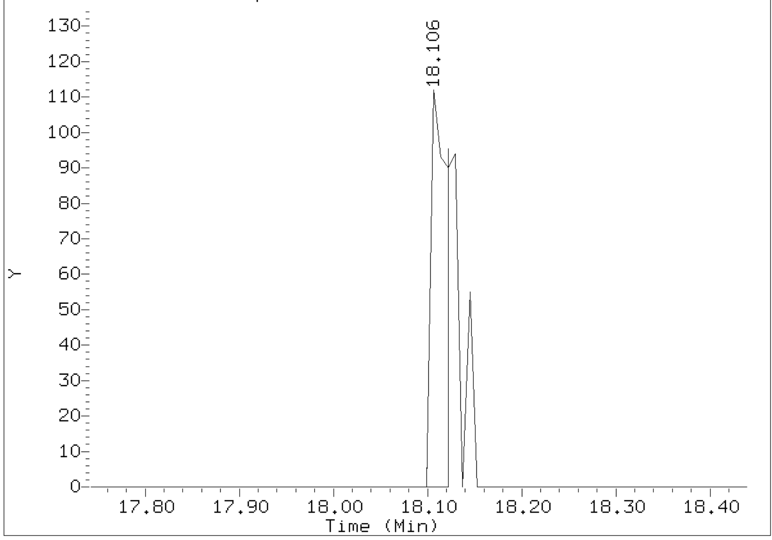
4-Nitroaniline, Mass 138 (Before) Area 5910



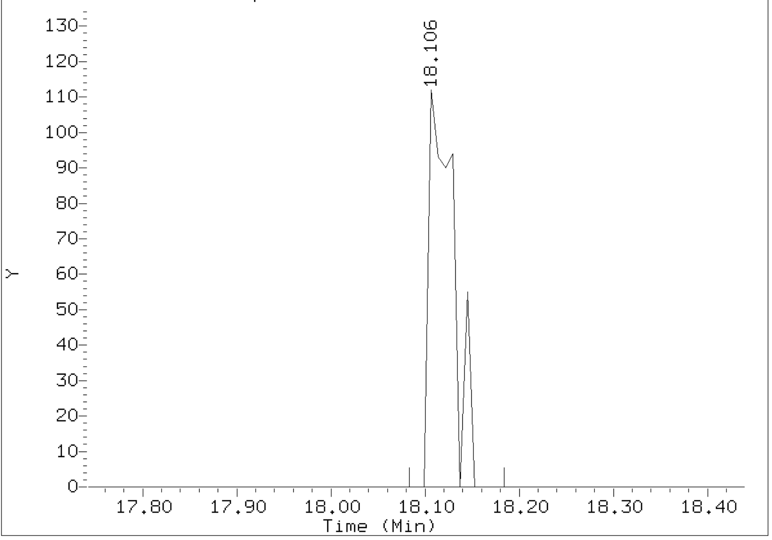
4-Nitroaniline, Mass 138 (Manual) Area 7107



Pentachlorophenol, Mass 266 (Before) Area 136



Pentachlorophenol, Mass 266 (Manual) Area 206



LOW-CONCENTRATION CALIBRATION VERIFICATION

EPA 8270E

Laboratory: Analytical Resources, LLC

Client: Anchor QEA, LLC

Calibration: FL00066

Sequence: SKL0355

SDG: 22L0307

Project: AOC4 UR Phase 3

Laboratory ID: SKL0355-LCV4

Standard ID: K011106

ANALYTE	EXPECTED (ug/mL)	FOUND (ug/mL)	% DRIFT	QC LIMIT
Phenol	0.50000	0.5	-2.8	50.00
bis(2-chloroethyl) ether	0.50000	0.5	-3.7	50.00
2-Chlorophenol	0.50000	0.5	3.3	50.00
1,3-Dichlorobenzene	0.50000	0.5	-0.4	50.00
1,4-Dichlorobenzene	0.50000	0.5	1.4	50.00
1,2-Dichlorobenzene	0.50000	0.5	-0.8	50.00
Benzyl Alcohol	0.50000	0.4	-22.6	50.00
2,2'-Oxybis(1-chloropropane)	0.50000	0.5	-5.4	50.00
2-Methylphenol	0.50000	0.5	-2.6	50.00
Hexachloroethane	0.50000	0.4	-17.5	50.00
N-Nitroso-di-n-Propylamine	0.50000	0.5	1.5	50.00
4-Methylphenol	0.50000	0.5	-6.9	50.00
Nitrobenzene	0.50000	0.5	-6.2	50.00
Isophorone	0.50000	0.5	-9.5	50.00
2-Nitrophenol	0.50000	0.5	-5.4	50.00
2,4-Dimethylphenol	1.0000	1.0	-2.3	50.00
Bis(2-Chloroethoxy)methane	0.50000	0.5	-1.0	50.00
2,4-Dichlorophenol	1.0000	1.0	-4.0	50.00
1,2,4-Trichlorobenzene	0.50000	0.5	-2.2	50.00
Naphthalene	0.50000	0.5	-2.9	50.00
Benzoic acid	2.0000	0.4	-77.6	50.00
4-Chloroaniline	1.0000	0.9	-11.1	50.00
Hexachlorobutadiene	0.50000	0.5	-4.5	50.00
4-Chloro-3-Methylphenol	1.0000	0.9	-5.0	50.00
2-Methylnaphthalene	0.50000	0.5	-6.9	50.00
Hexachlorocyclopentadiene	1.0000	0.1	-86.3	50.00
2,4,6-Trichlorophenol	1.0000	0.9	-12.6	50.00
2,4,5-Trichlorophenol	1.0000	0.8	-19.8	50.00
2-Chloronaphthalene	0.50000	0.5	-3.8	50.00

Analytical Resources, LLC
Analytical Chemists and Consultants

LOW-CONCENTRATION CALIBRATION VERIFICATION

EPA 8270E

Laboratory: Analytical Resources, LLC

Client: Anchor QEA, LLC

Calibration: FL00066

Sequence: SKL0355

SDG: 22L0307

Project: AOC4 UR Phase 3

Laboratory ID: SKL0355-LCV4

Standard ID: K011106

2-Nitroaniline	1.0000	1.0	-1.3	50.00
Acenaphthylene	0.50000	0.5	-0.4	50.00
Dimethylphthalate	0.50000	0.5	-0.9	50.00
2,6-Dinitrotoluene	1.0000	0.9	-12.7	50.00
Acenaphthene	0.50000	0.5	-0.9	50.00
3-Nitroaniline	1.0000	0.8	-15.1	50.00
2,4-Dinitrophenol	2.0000	0.01	-99.4	50.00
Dibenzofuran	0.50000	0.5	-1.4	50.00
4-Nitrophenol	1.0000	0.7	-32.8	50.00
2,4-Dinitrotoluene	1.0000	0.8	-22.2	50.00
Fluorene	0.50000	0.5	-2.4	50.00
4-Chlorophenylphenyl ether	0.50000	0.5	2.5	50.00
Diethyl phthalate	0.50000	0.6	14.4	50.00
4-Nitroaniline	1.0000	0.8	-16.9	50.00
4,6-Dinitro-2-methylphenol	2.0000	0.4	-80.9	50.00
N-Nitrosodiphenylamine	0.50000	0.5	2.3	50.00
4-Bromophenyl phenyl ether	0.50000	0.5	-5.4	50.00
Hexachlorobenzene	0.50000	0.5	-2.6	50.00
Pentachlorophenol	1.0000	0.1	-89.6	50.00
Phenanthrene	0.50000	0.5	-3.4	50.00
Anthracene	0.50000	0.5	-3.0	50.00
Carbazole	0.50000	0.5	-6.4	50.00
Di-n-Butylphthalate	0.50000	0.5	-4.2	50.00
Fluoranthene	0.50000	0.5	-5.6	50.00
Pyrene	0.50000	0.5	-3.8	50.00
Butylbenzylphthalate	0.50000	0.5	5.2	50.00
Benzo(a)anthracene	0.50000	0.5	4.1	50.00
3,3'-Dichlorobenzidine	1.5000	1.6	9.4	50.00
Chrysene	0.50000	0.5	0.02	50.00
bis(2-Ethylhexyl)phthalate	0.50000	0.5	2.7	50.00
Di-n-Octylphthalate	0.50000	0.5	-2.0	50.00

LOW-CONCENTRATION
CALIBRATION VERIFICATION
EPA 8270E

Laboratory: Analytical Resources, LLC
SDG: 22L0307
Client: Anchor QEA, LLC
Project: AOC4 UR Phase 3
Calibration: FL00066
Laboratory ID: SKL0355-LCV4
Sequence: SKL0355
Standard ID: K011106

Benzofluoranthenes, Total	1.0000	1.1	12.7	50.00
Benzo(a)pyrene	0.50000	0.5	5.9	50.00
Indeno(1,2,3-cd)pyrene	0.50000	0.3	-42.5	50.00
Dibenzo(a,h)anthracene	0.50000	0.3	-41.0	50.00
Benzo(g,h,i)perylene	0.50000	0.2	-51.8	50.00
1-Methylnaphthalene	0.50000	0.5	-5.2	50.00
2-Fluorophenol	0.75000	0.732	-2.4	50.00
Phenol-d5	0.75000	0.661	-11.9	50.00
2-Chlorophenol-d4	0.75000	0.698	-7.0	50.00
1,2-Dichlorobenzene-d4	0.50000	0.480	-4.0	50.00
Nitrobenzene-d5	0.50000	0.483	-3.4	50.00
2-Fluorobiphenyl	0.50000	0.472	-5.6	50.00
2,4,6-Tribromophenol	0.75000	0.538	-28.3	50.00
p-Terphenyl-d14	0.50000	0.451	-9.7	50.00

* Values outside of QC limits

Data File: \\target\share\chem3\nt14.i\20221230C.b\NT1422123068.D

Date : 01-JAN-2023 00:42

Client ID:

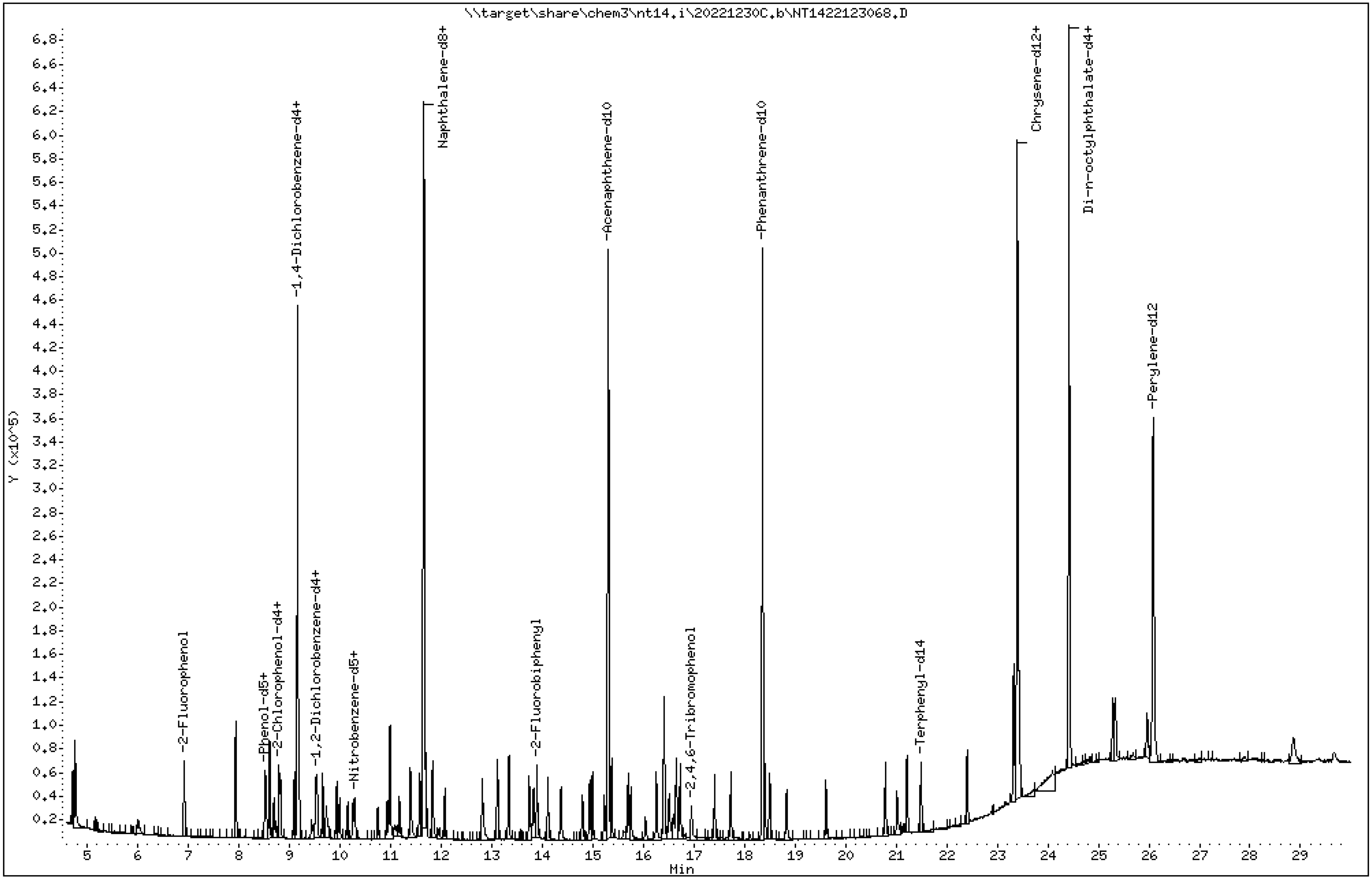
Instrument: nt14.i

Sample Info: SKL0355-LCV4

Operator: VTS

Column phase: ZB-5msi

Column diameter: 0.25



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Date : 01-JAN-2023 00:42

Client ID:

Instrument: nt14.i

Sample Info: SKL0355-LCV4

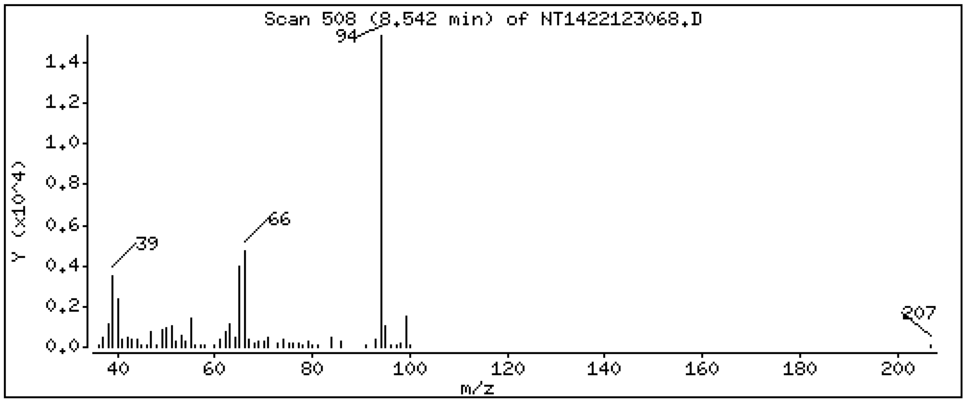
Operator: VTS

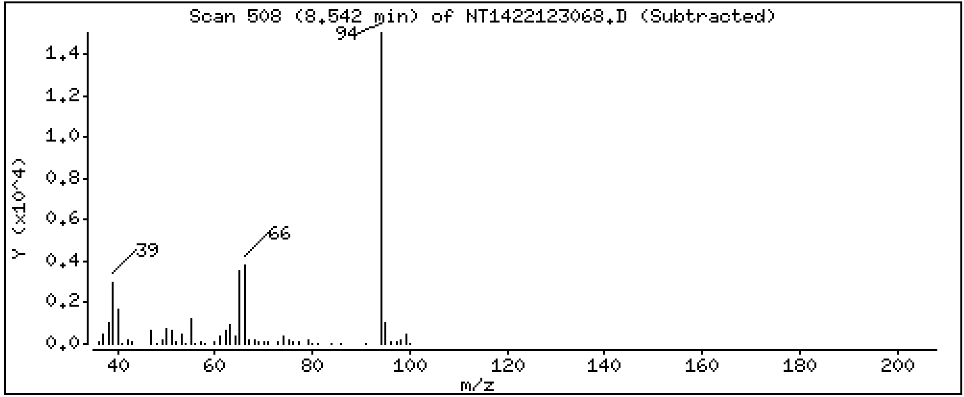
Column phase: ZB-5msi

Column diameter: 0.25

3 Phenol

Concentration: 0.4858 ug/mL


Scan 508 (8.542 min) of NT1422123068.D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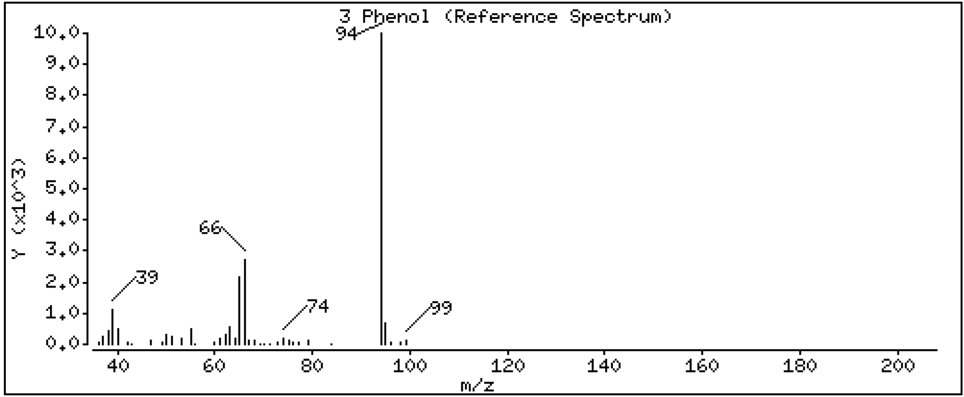
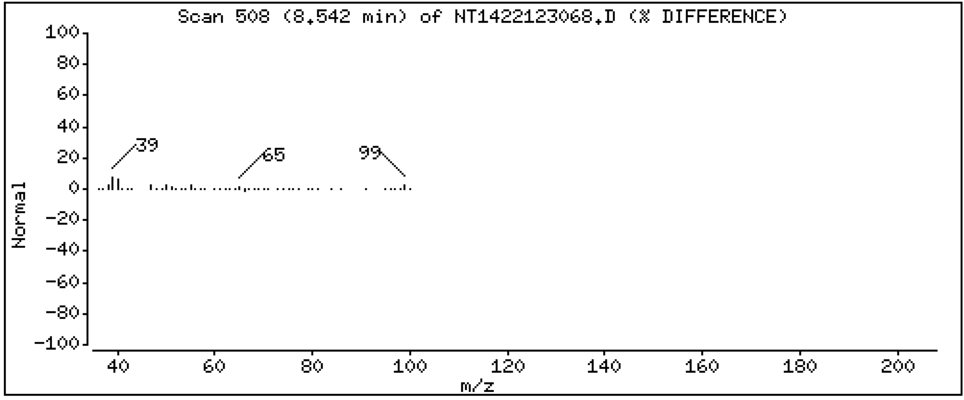

3 Phenol (Reference Spectrum)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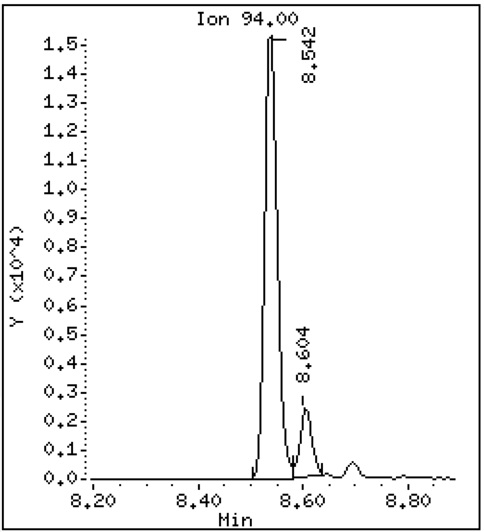
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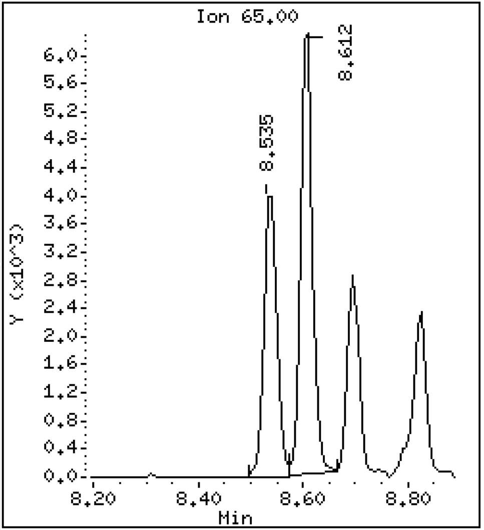
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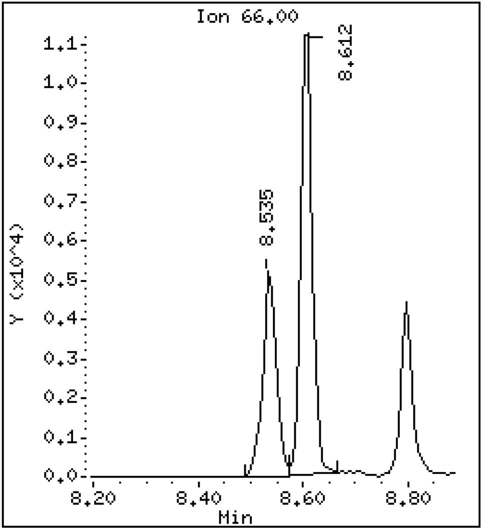
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Date : 01-JAN-2023 00:42

Client ID:

Instrument: nt14.i

Sample Info: SKL0355-LCV4

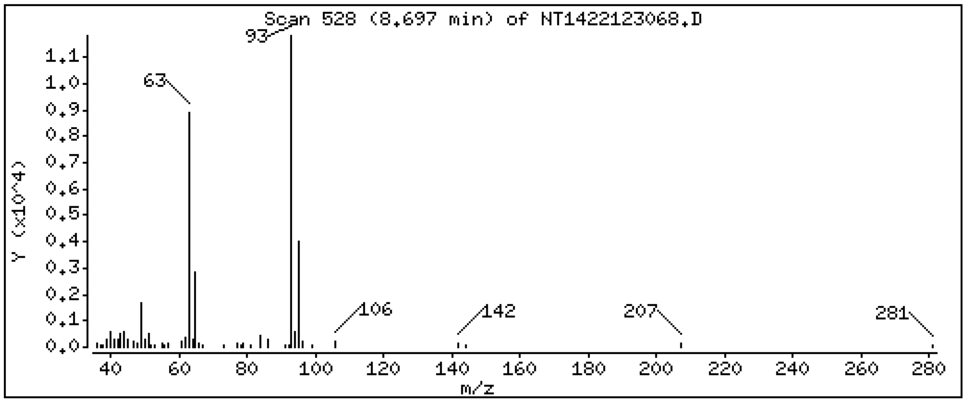
Operator: VTS

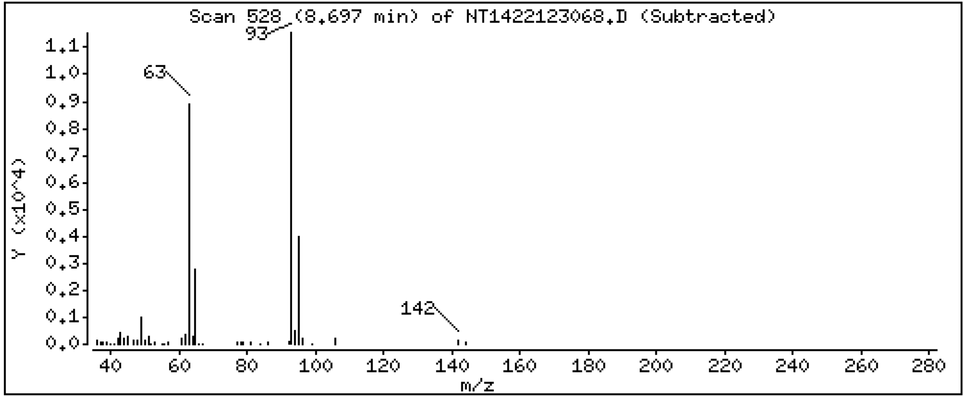
Column phase: ZB-5msi

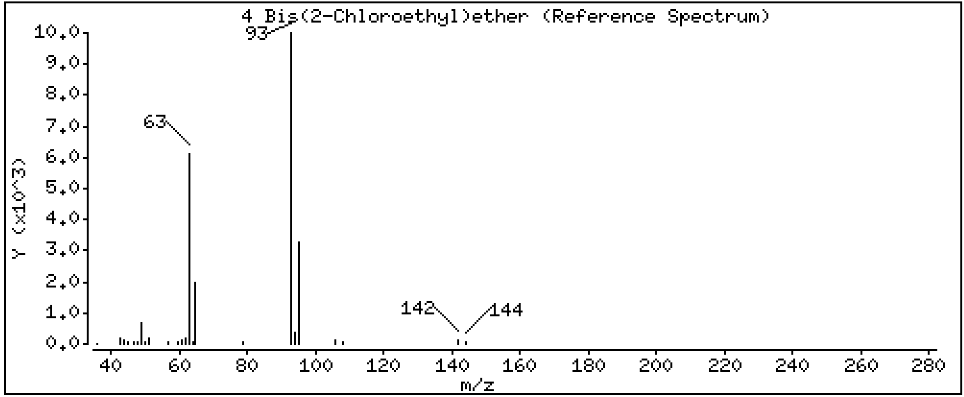
Column diameter: 0.25

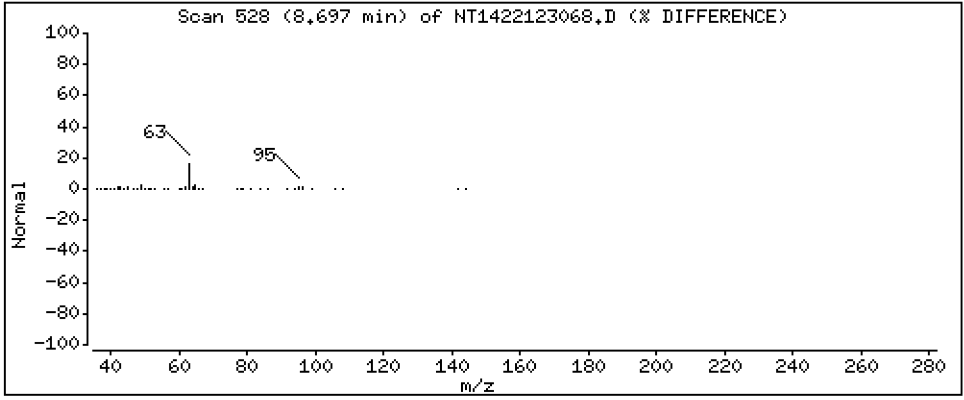
4 Bis(2-Chloroethyl)ether

Concentration: 0.4816 ug/mL


Scan 528 (8.697 min) of NT1422123068.D


Scan 528 (8.697 min) of NT1422123068.D (Subtracted)


4 Bis(2-Chloroethyl)ether (Reference Spectrum)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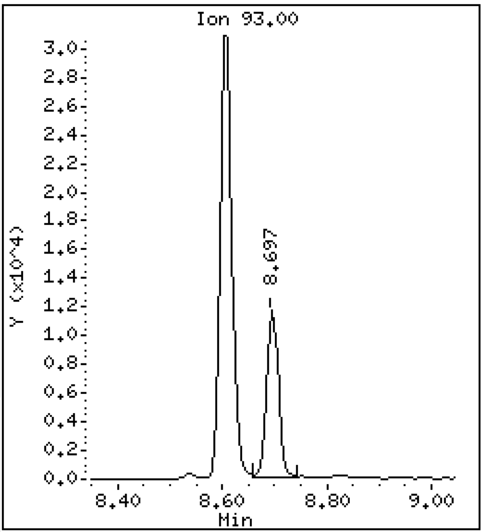
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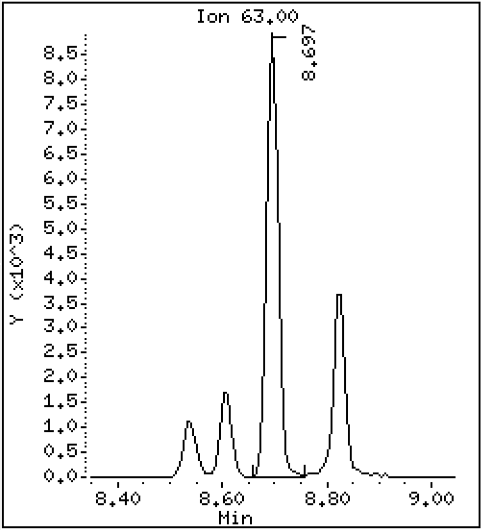
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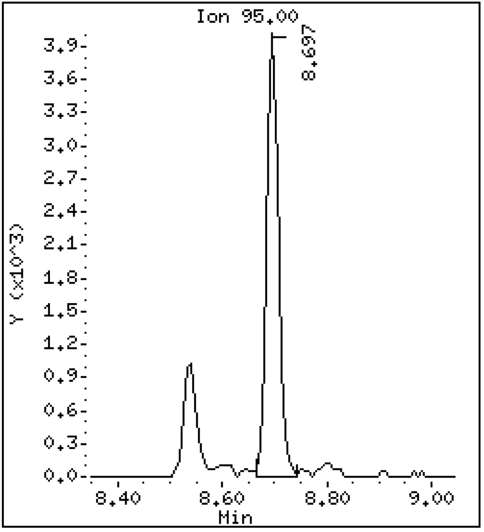
Ion 95.00

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Date : 01-JAN-2023 00:42

Client ID:

Instrument: nt14.i

Sample Info: SKL0355-LCV4

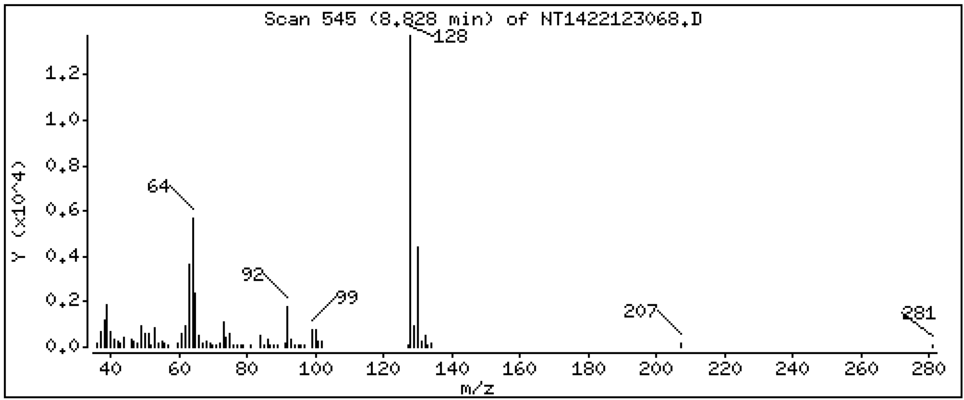
Operator: VTS

Column phase: ZB-5msi

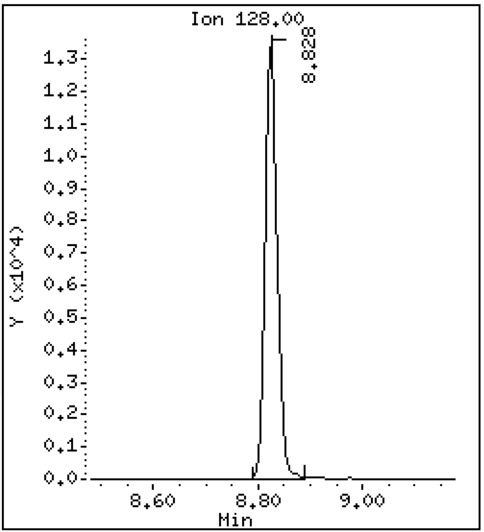
Column diameter: 0.25

6 2-Chlorophenol

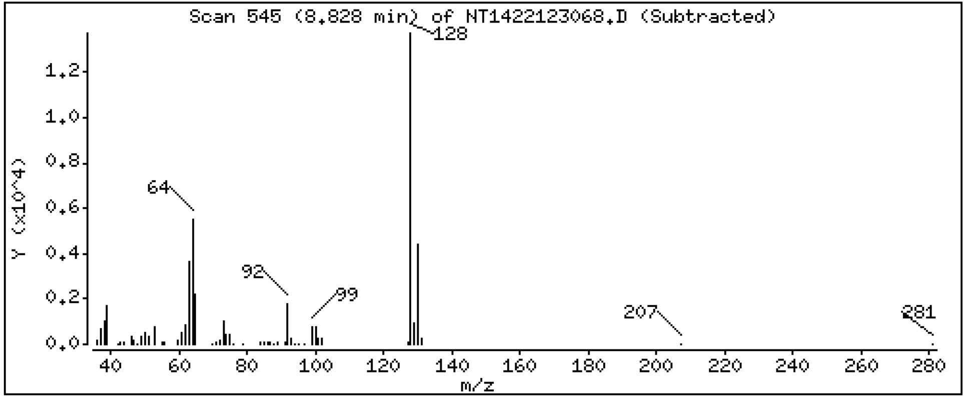
Concentration: 0.5163 ug/mL



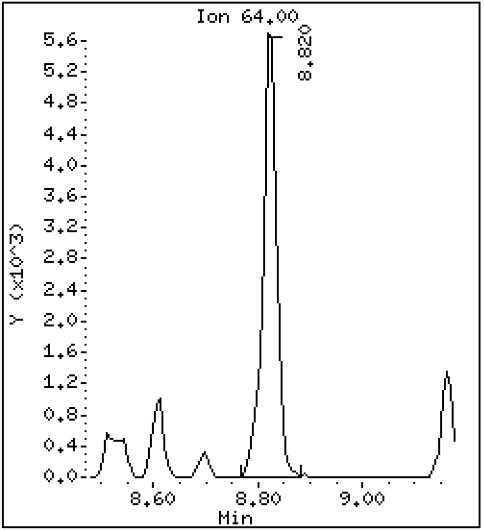
Scan 545 (8.828 min) of NT1422123068.D



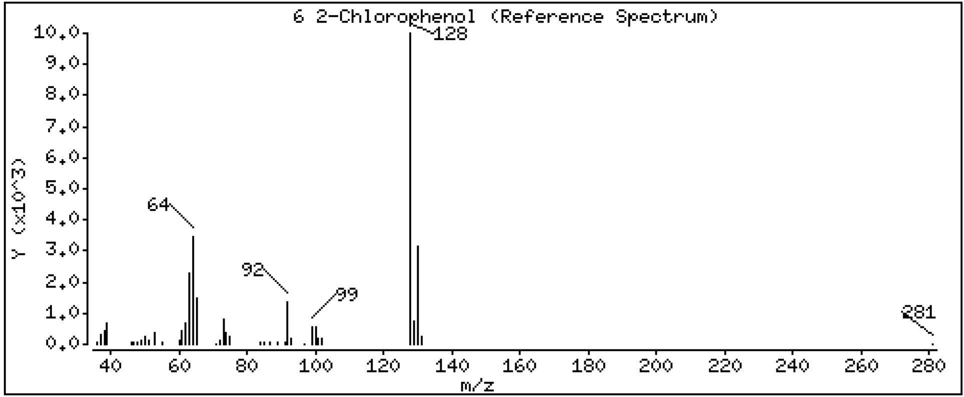
Ion 128.00



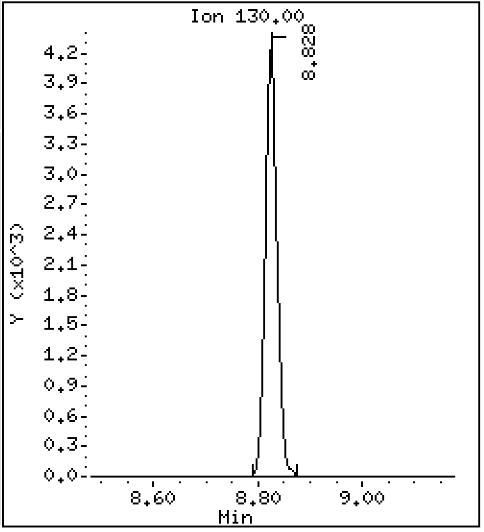
Scan 545 (8.828 min) of NT1422123068.D (Subtracted)



Ion 64.00



6 2-Chlorophenol (Reference Spectrum)



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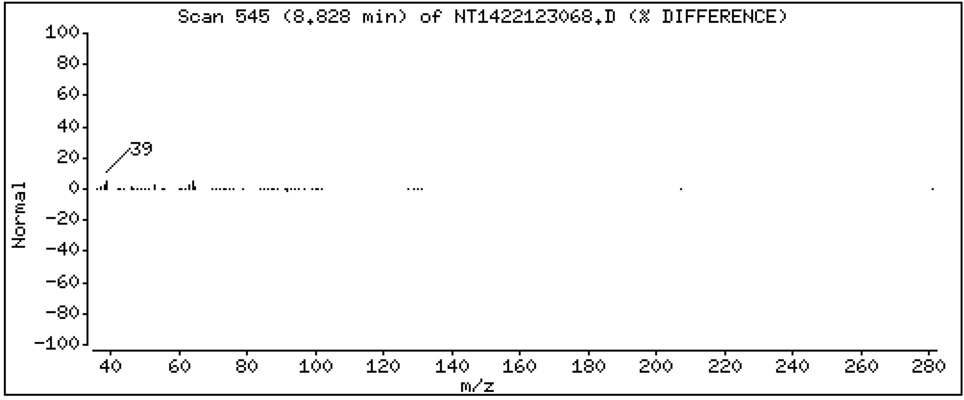


Scan 545 (8.828 min) of NT1422123068.D (% DIFFERENCE)

Data File: \\target\share\chem3\nt14.i\20221230C.b\NT1422123068.D

Date : 01-JAN-2023 00:42

Client ID:

Instrument: nt14.i

Sample Info: SKL0355-LCV4

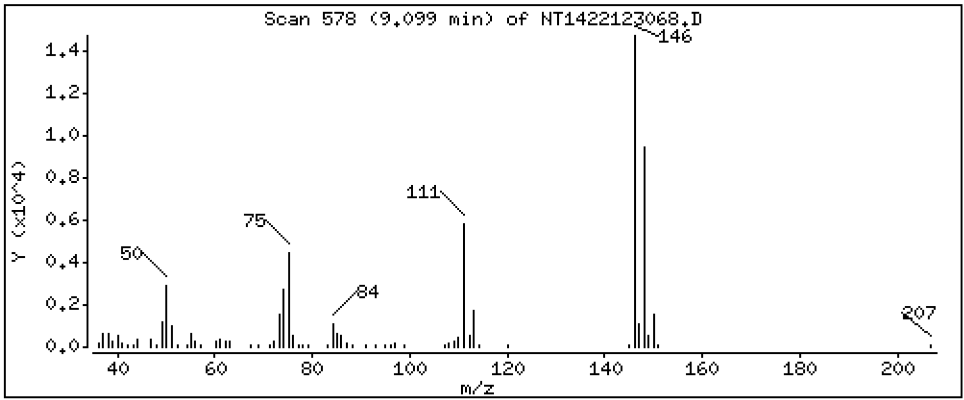
Operator: VTS

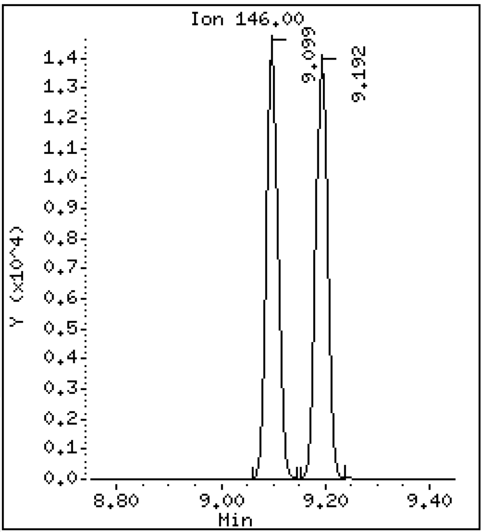
Column phase: ZB-5msi

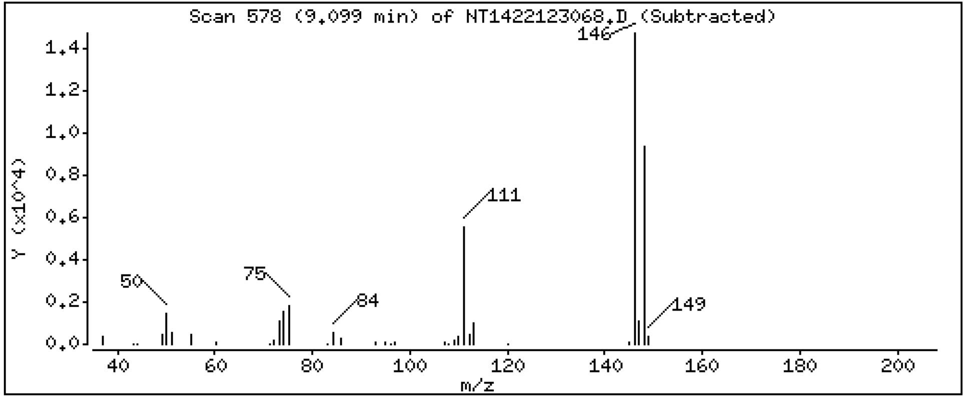
Column diameter: 0.25

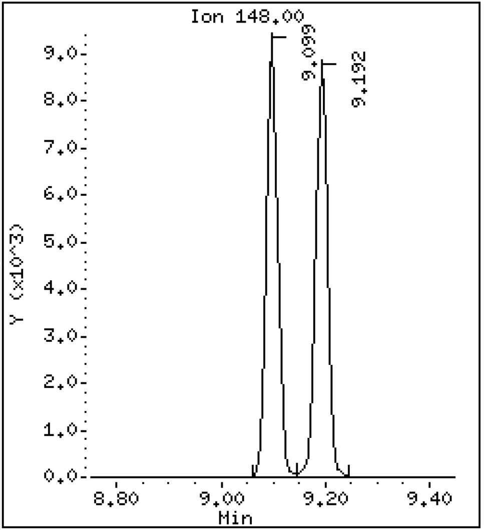
7 1,3-Dichlorobenzene

Concentration: 0.4981 ug/mL


Scan 578 (9.099 min) of NT1422123068.D


Ion 146.00


Scan 578 (9.099 min) of NT1422123068.D (Subtracted)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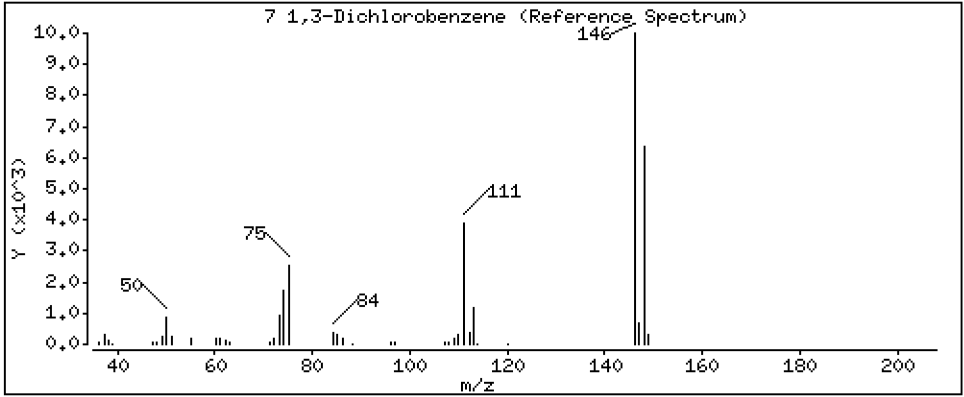
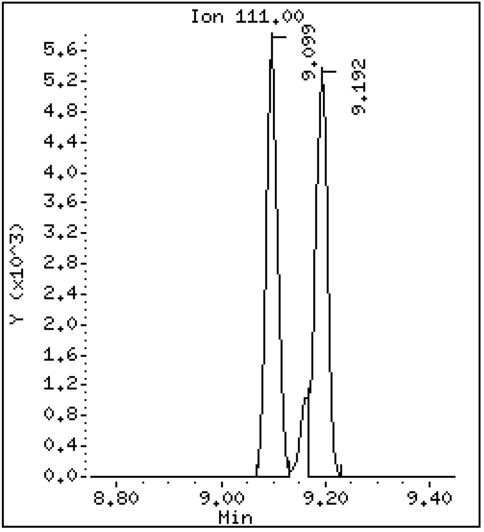

7 1,3-Dichlorobenzene (Reference Spectrum)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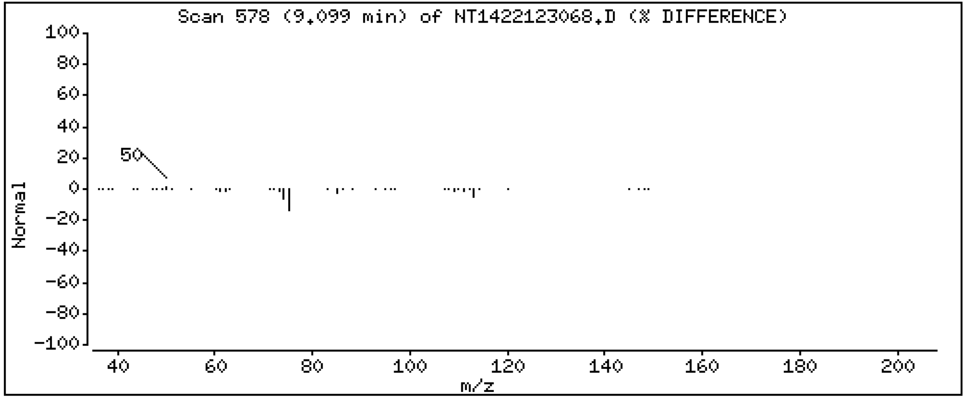

Scan 578 (9.099 min) of NT1422123068.D (% DIFFERENCE)

Data File: \\target\share\chem3\nt14.i\20221230C.b\NT1422123068.D

Date : 01-JAN-2023 00:42

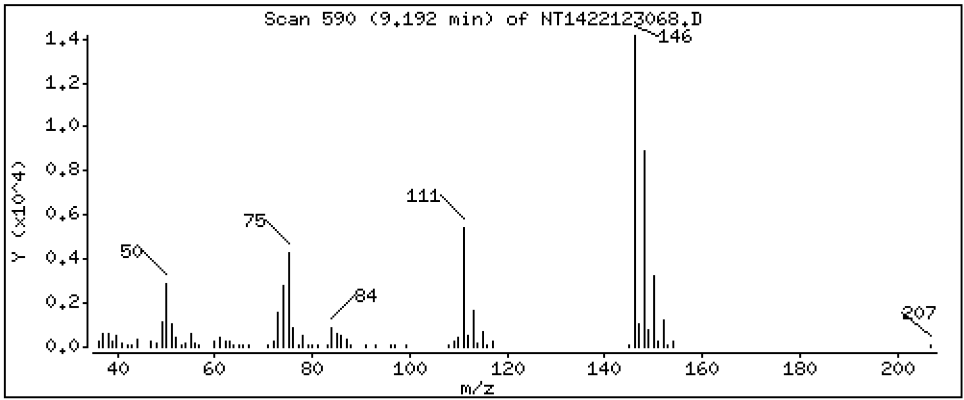
Client ID: Instrument: nt14.i

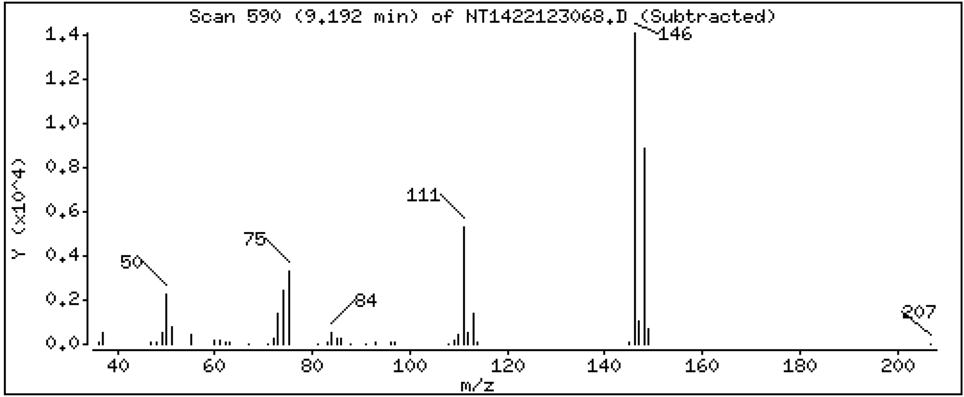
Sample Info: SKL0355-LCV4

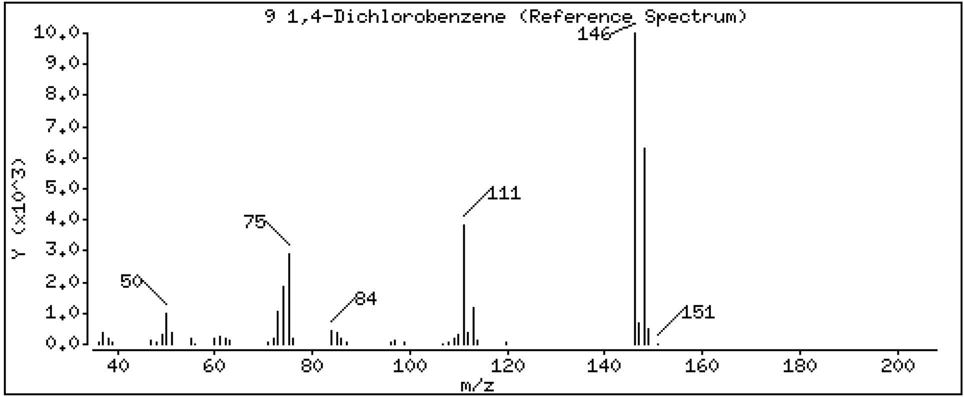
Operator: VTS

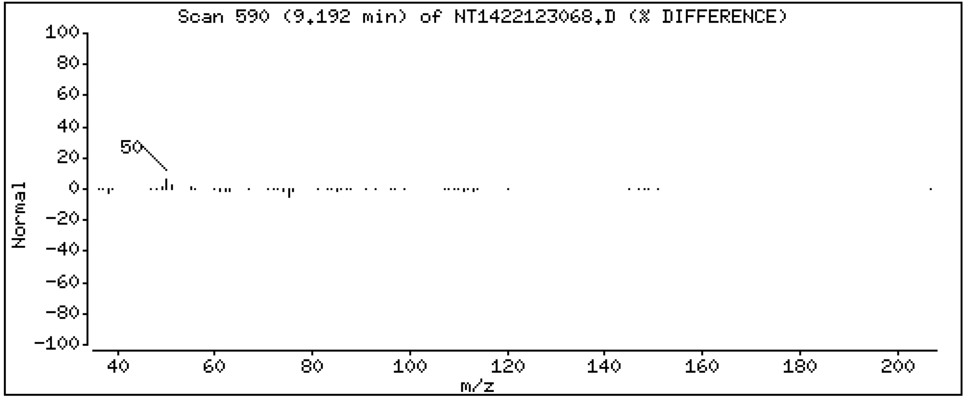
Column phase: ZB-5msi Column diameter: 0.25

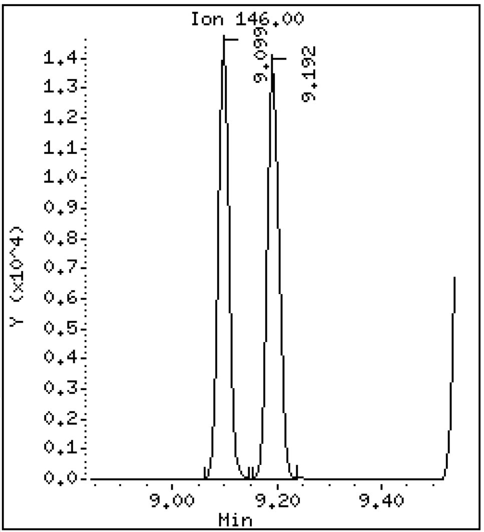
9 1,4-Dichlorobenzene Concentration: 0.5068 ug/mL

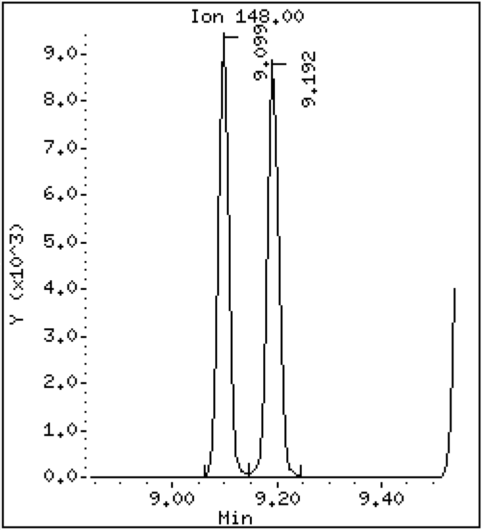

Scan 590 (9.192 min) of NT1422123068.D

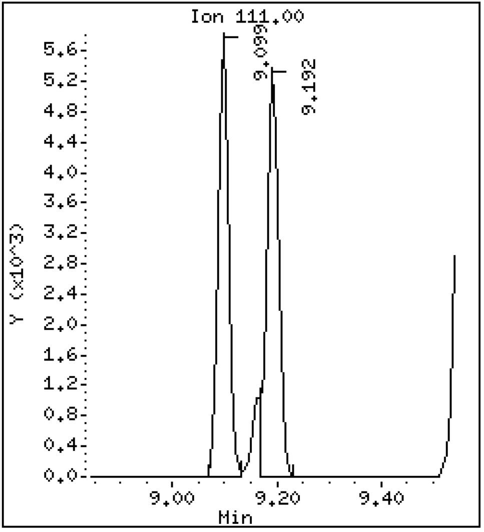

Scan 590 (9.192 min) of NT1422123068.D (Subtracted)


9 1,4-Dichlorobenzene (Reference Spectrum)


Scan 590 (9.192 min) of NT1422123068.D (% DIFFERENCE)


Ion 146.00


Ion 148.00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Data File: \\target\share\chem3\nt14.i\20221230C.b\NT1422123068.D

Date : 01-JAN-2023 00:42

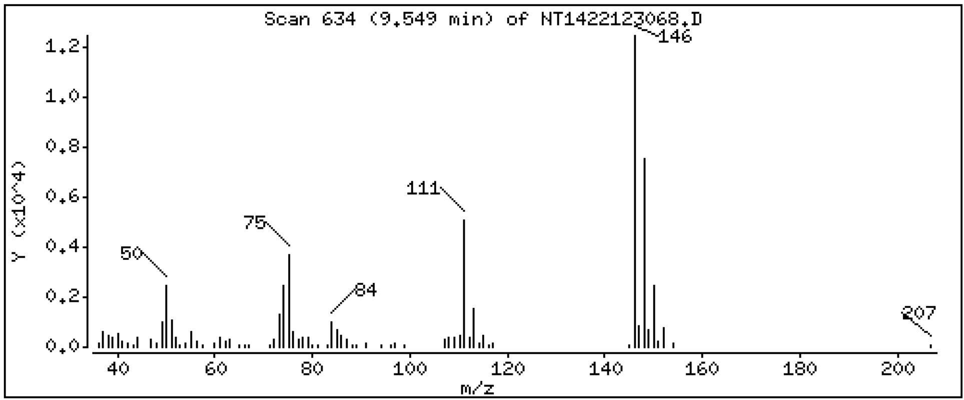
Client ID: Instrument: nt14.i

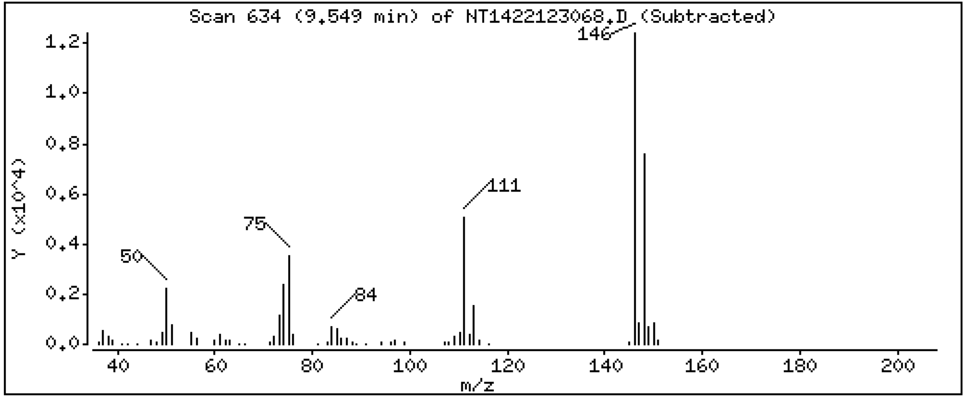
Sample Info: SKL0355-LCV4

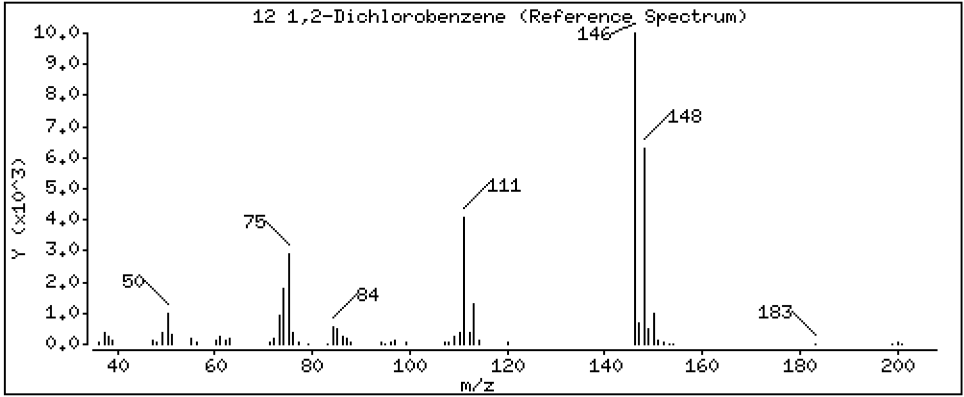
Operator: VTS

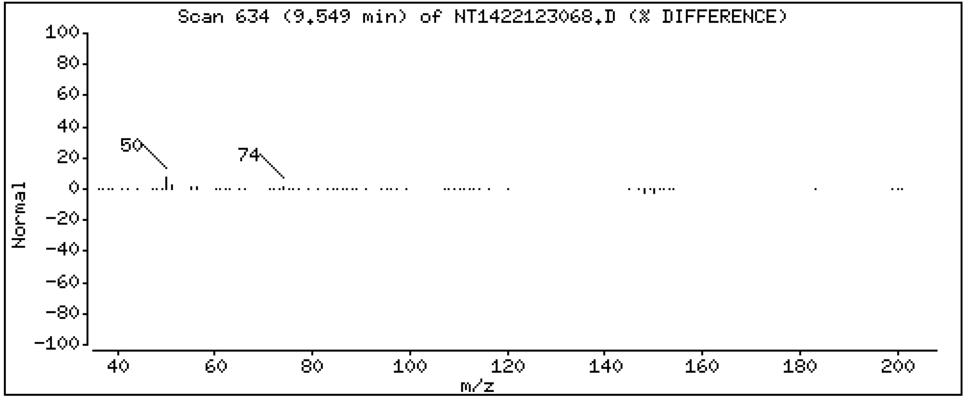
Column phase: ZB-5msi Column diameter: 0.25

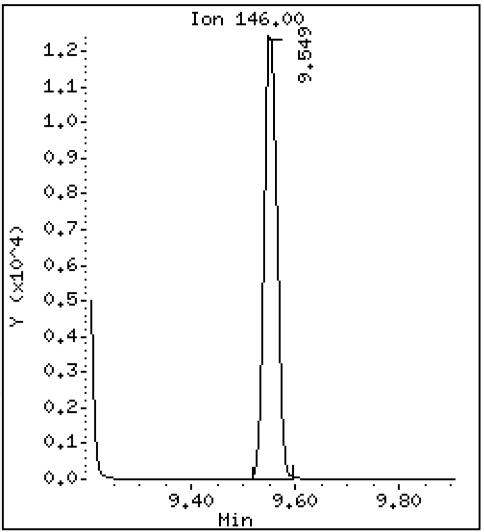
12 1,2-Dichlorobenzene Concentration: 0.4961 ug/mL

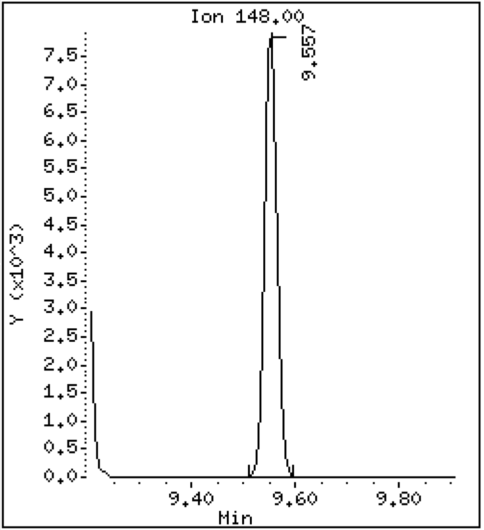


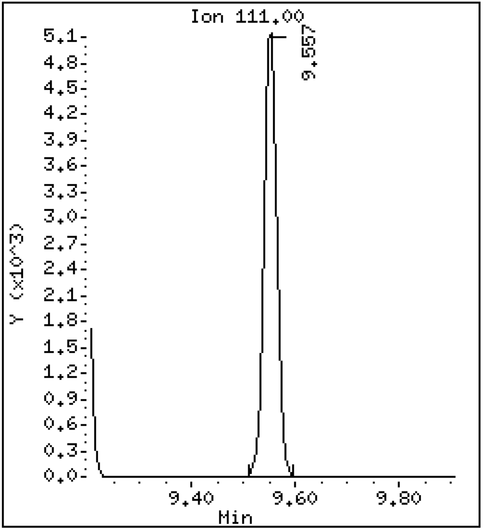












Data File: \\target\share\chem3\nt14.i\20221230C.b\NT1422123068.D Page 8

Date : 01-JAN-2023 00:42

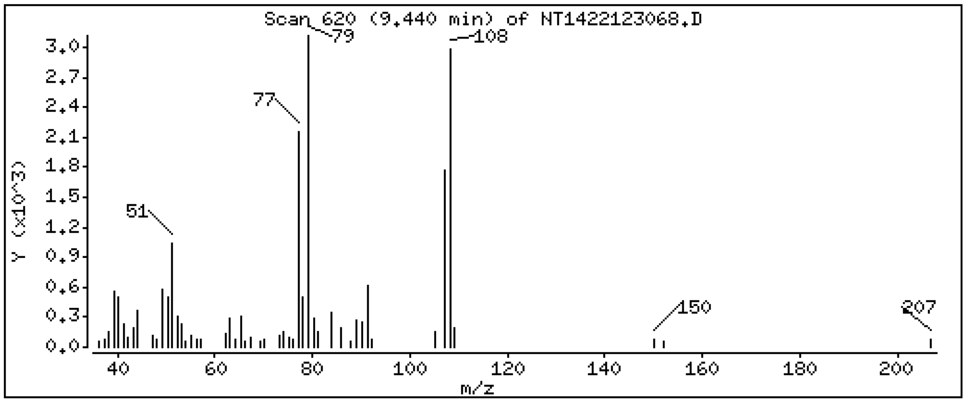
Client ID: Instrument: nt14.i

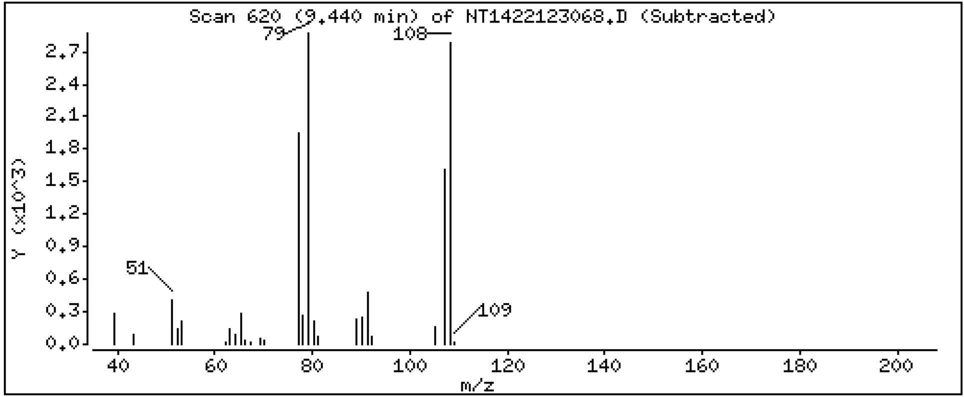
Sample Info: SKL0355-LCV4

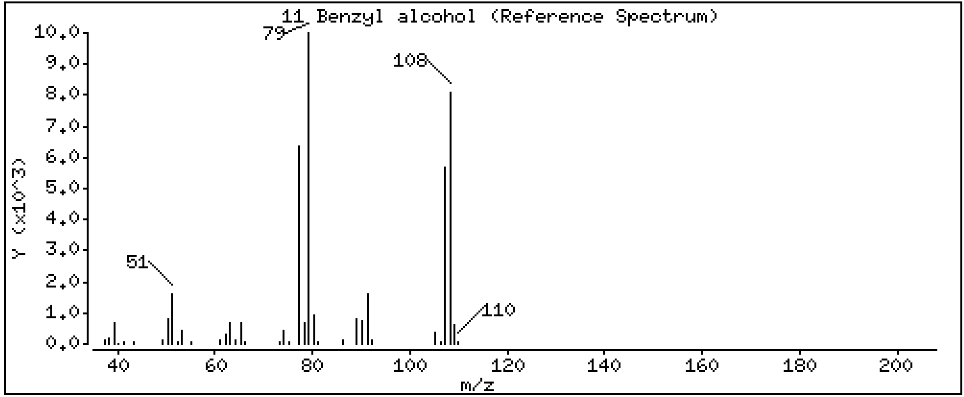
Operator: VTS

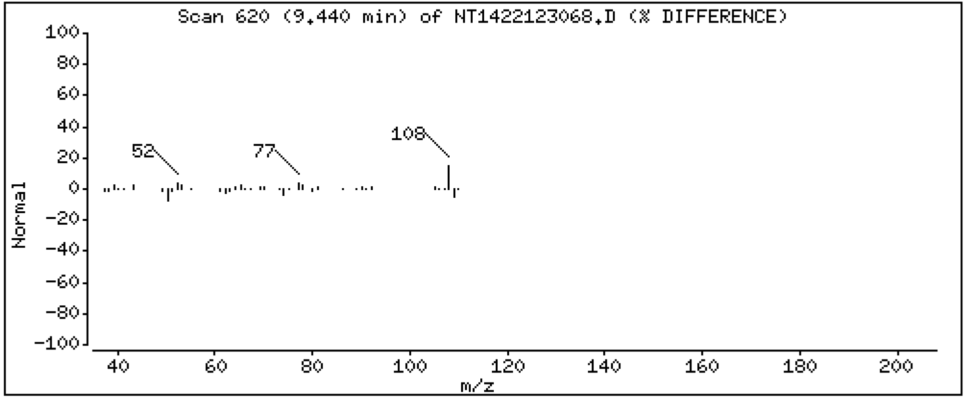
Column phase: ZB-5msi Column diameter: 0.25

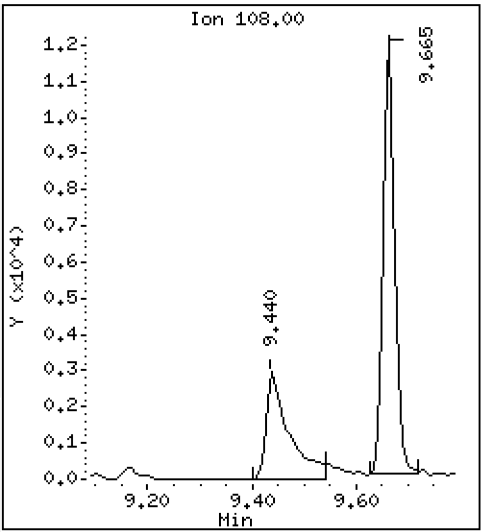
11 Benzyl alcohol Concentration: 0.3869 ug/mL

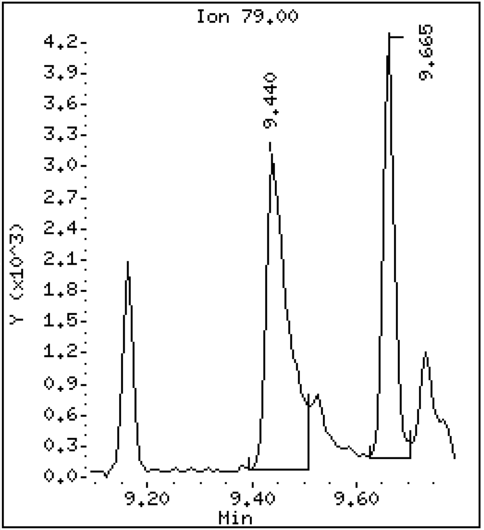


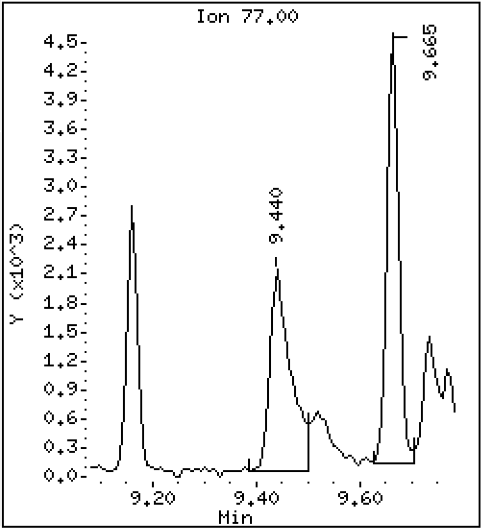












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Date : 01-JAN-2023 00:42

Client ID:

Instrument: nt14.i

Sample Info: SKL0355-LCV4

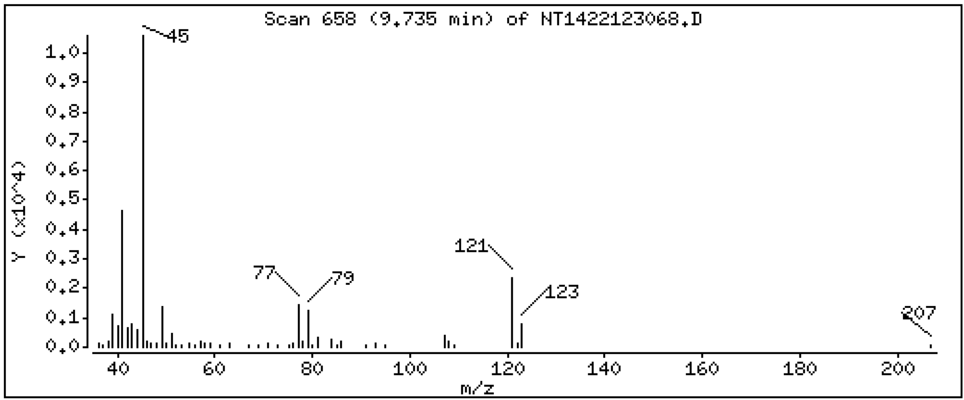
Operator: VTS

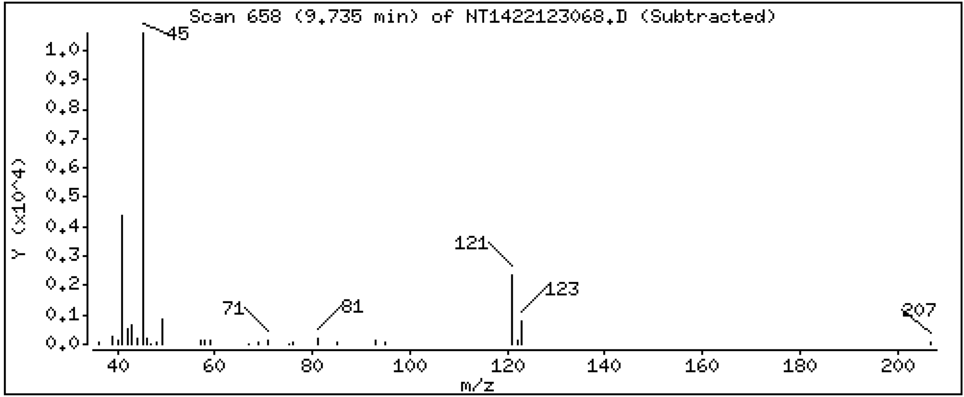
Column phase: ZB-5msi

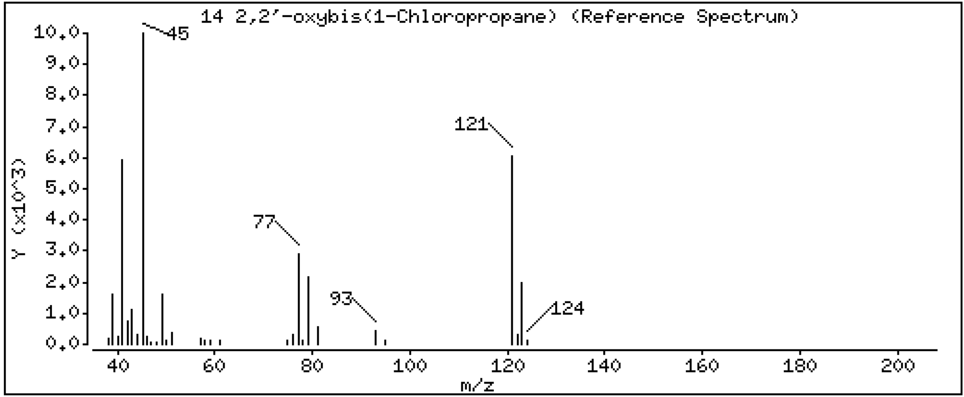
Column diameter: 0.25

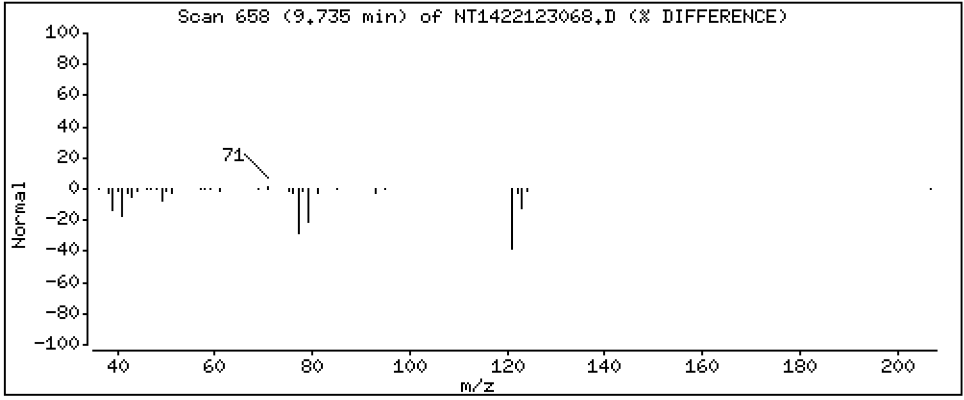
14 2,2'-oxybis(1-Chloropropane)

Concentration: 0.4728 ug/mL


Scan 658 (9.735 min) of NT1422123068.D


Scan 658 (9.735 min) of NT1422123068.D (Subtracted)


14 2,2'-oxybis(1-Chloropropane) (Reference Spectrum)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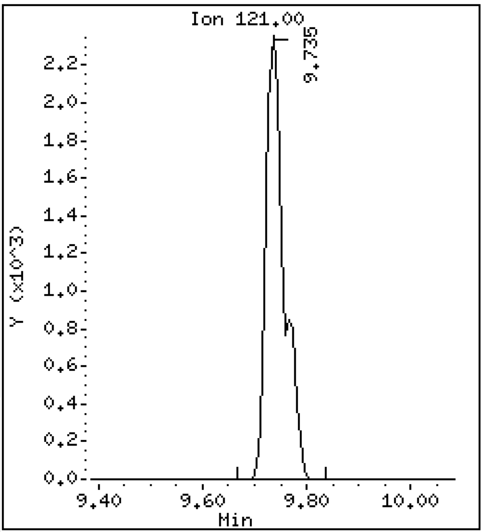
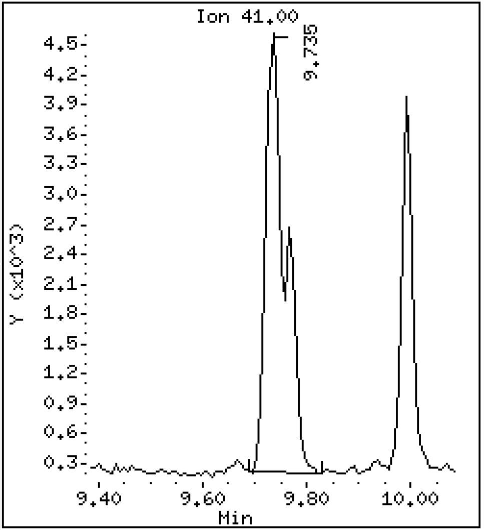

Ion 121.00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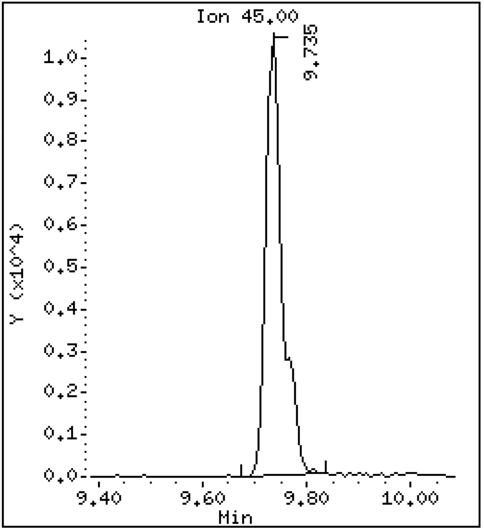
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Data File: \\target\share\chem3\nt14.i\20221230C.b\NT1422123068.D

Date : 01-JAN-2023 00:42

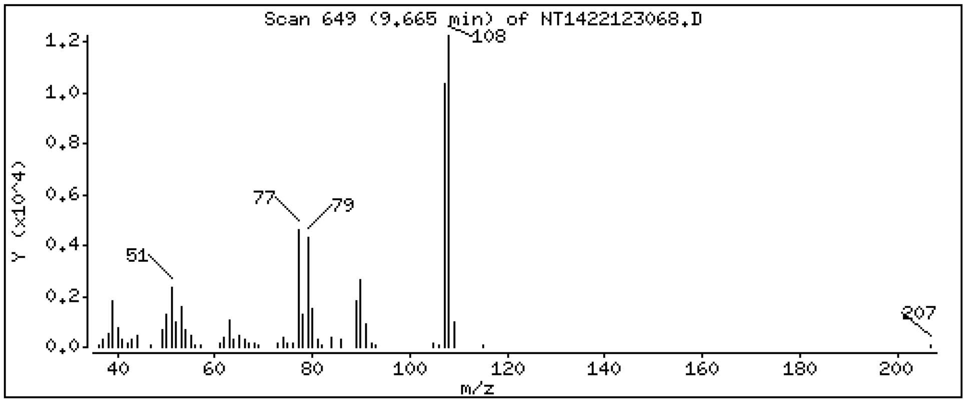
Client ID: Instrument: nt14.i

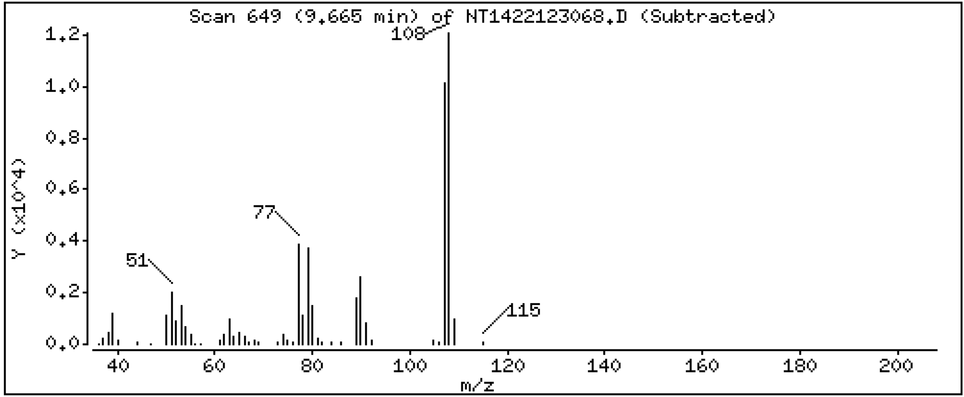
Sample Info: SKL0355-LCV4

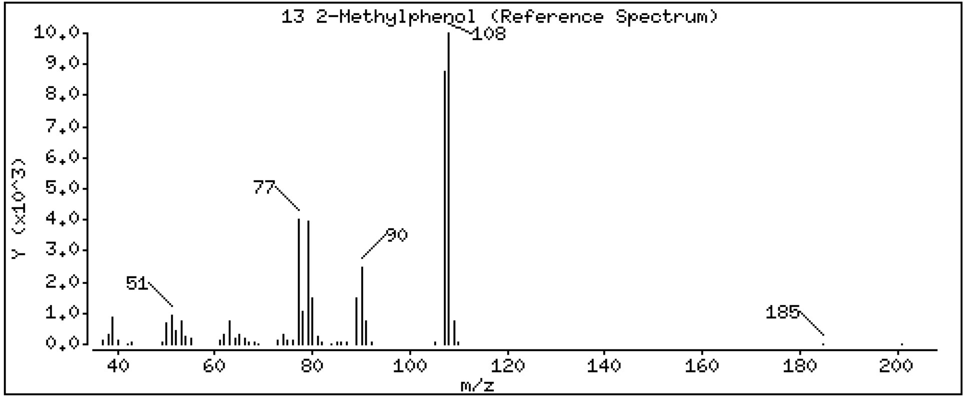
Operator: VTS

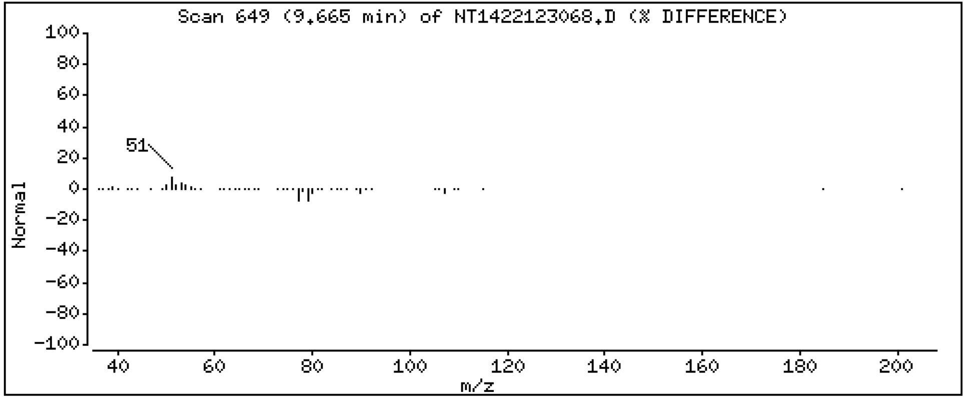
Column phase: ZB-5msi Column diameter: 0.25

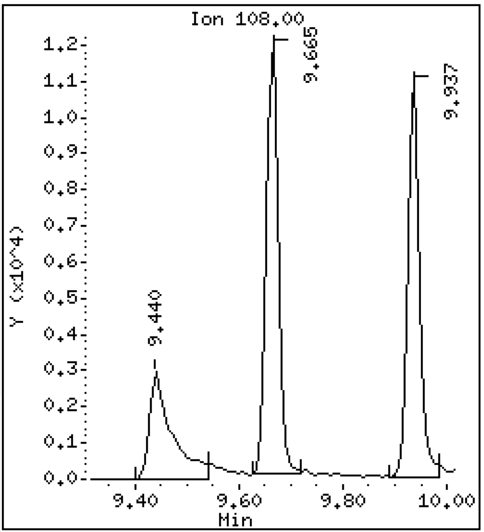
13 2-Methylphenol Concentration: 0.4871 ug/mL

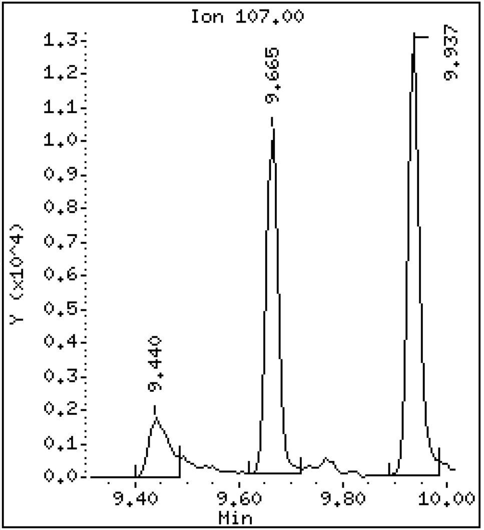


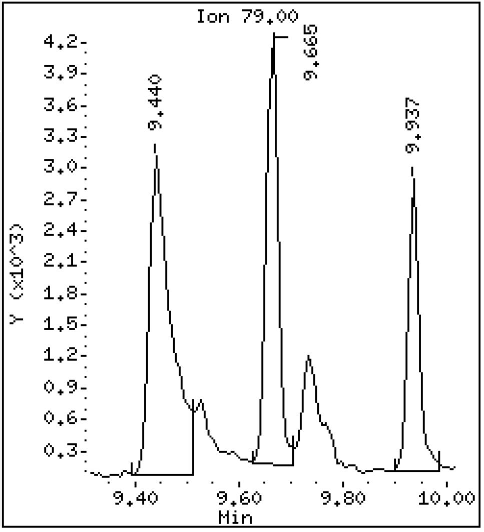












Date : 01-JAN-2023 00:42

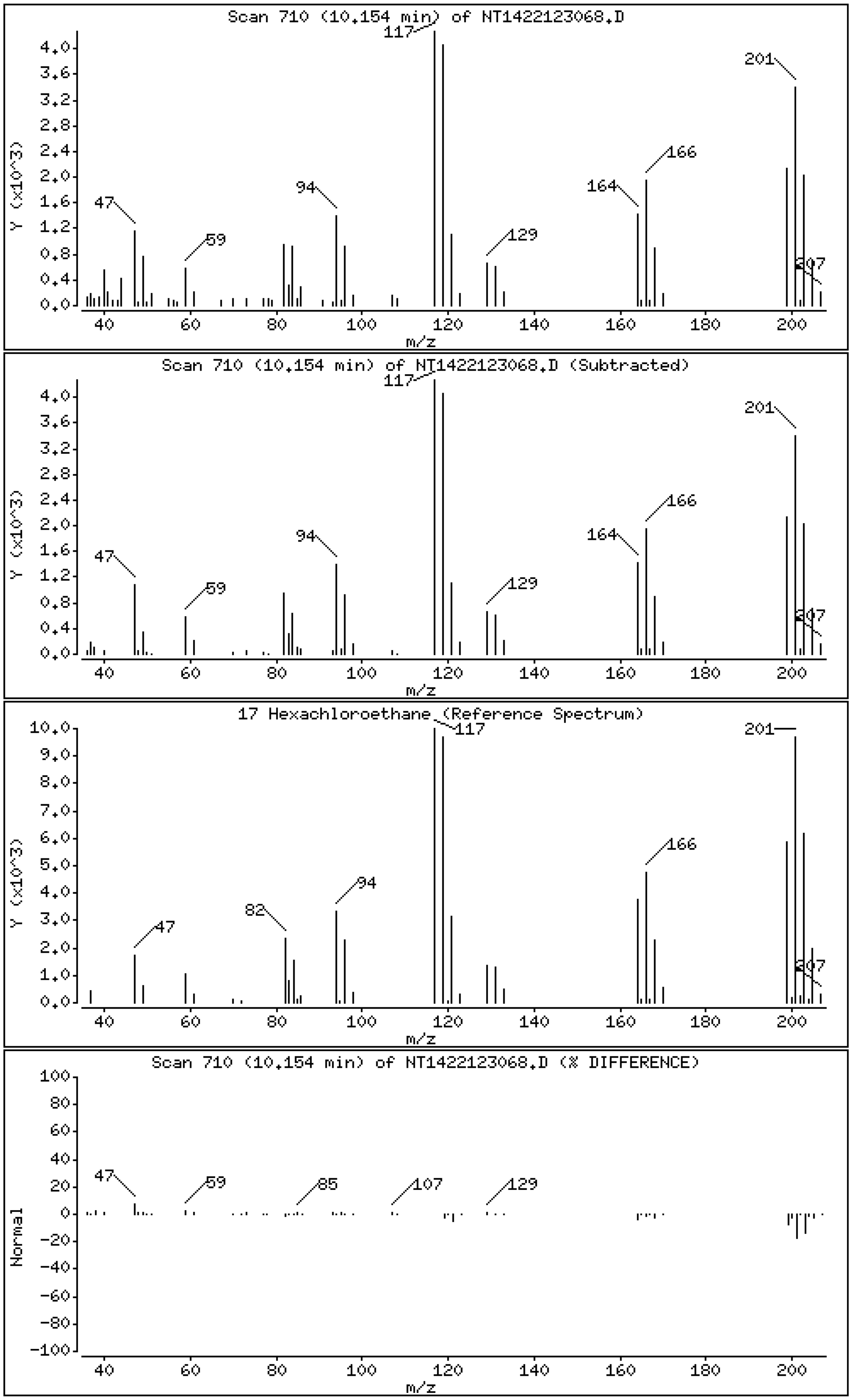
Client ID: Instrument: nt14.i

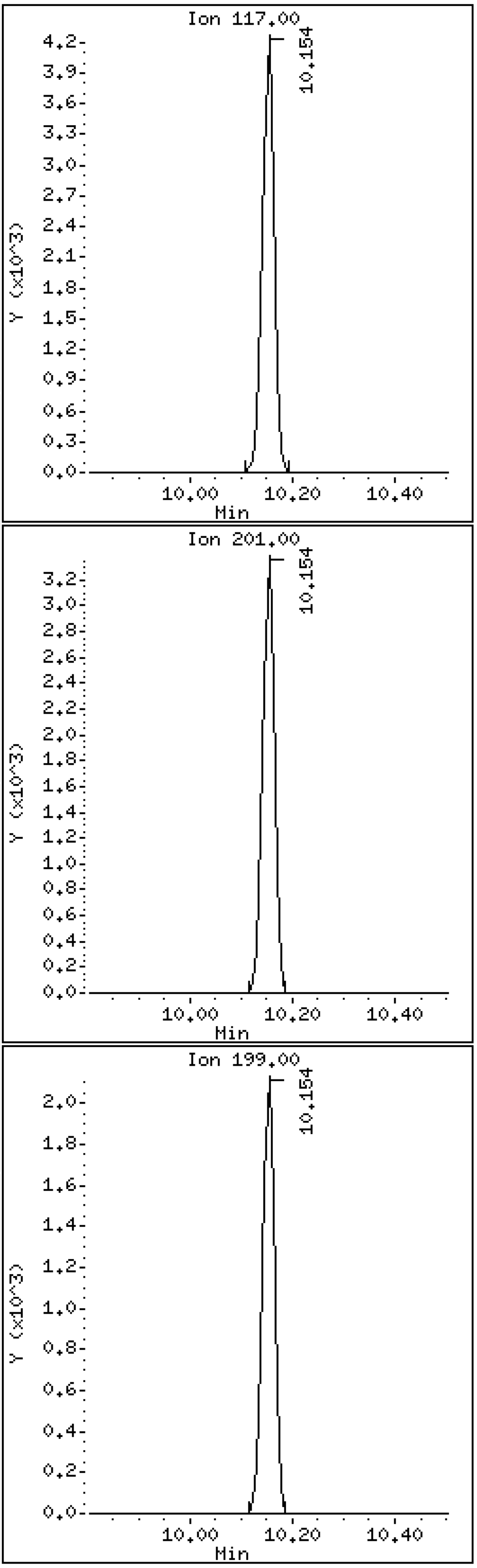
Sample Info: SKL0355-LCV4

Operator: VTS

Column phase: ZB-5msi Column diameter: 0.25

17 Hexachloroethane Concentration: 0.4126 ug/mL





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Date : 01-JAN-2023 00:42

Client ID:

Instrument: nt14.i

Sample Info: SKL0355-LCV4

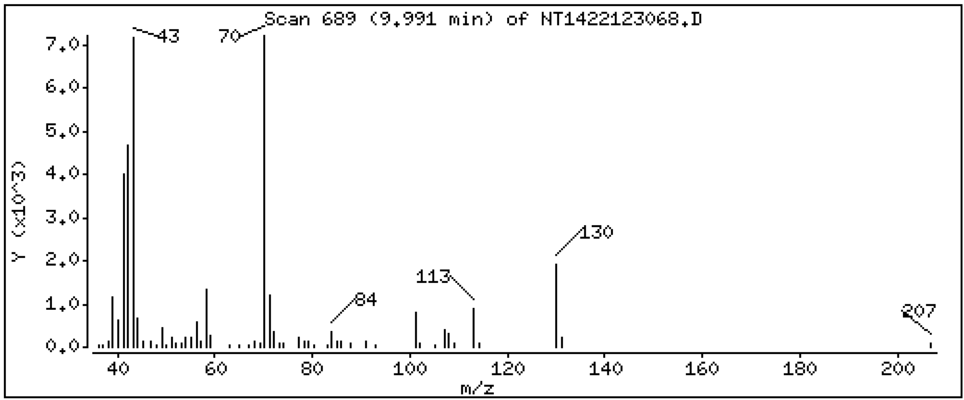
Operator: VTS

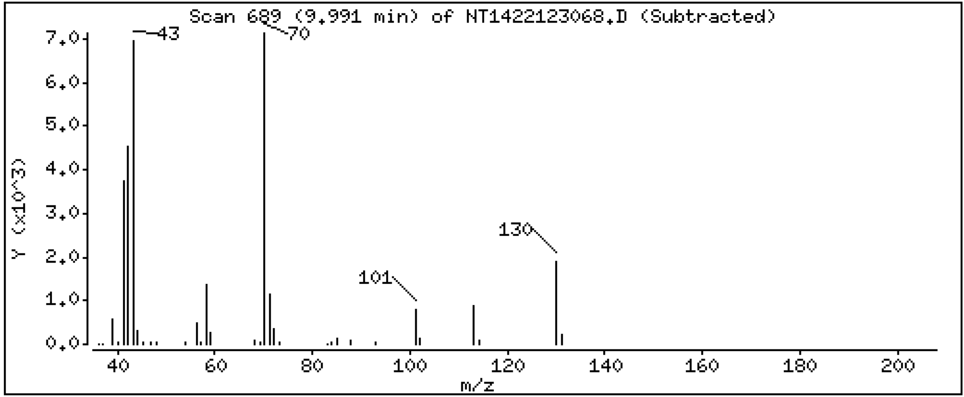
Column phase: ZB-5msi

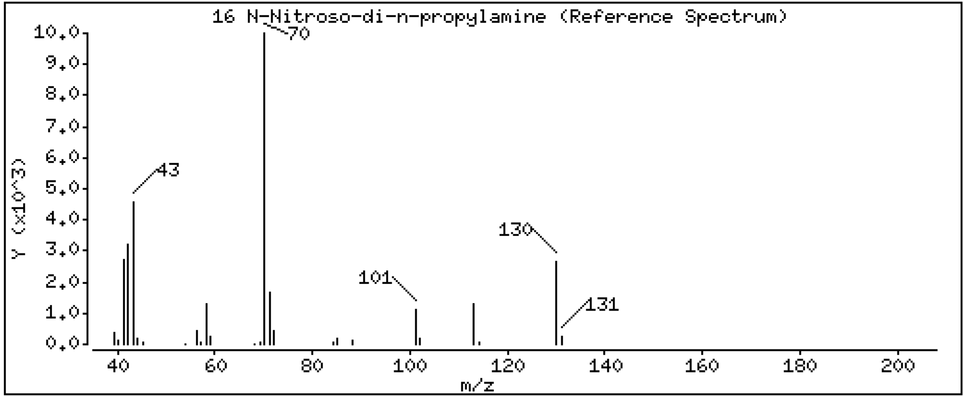
Column diameter: 0.25

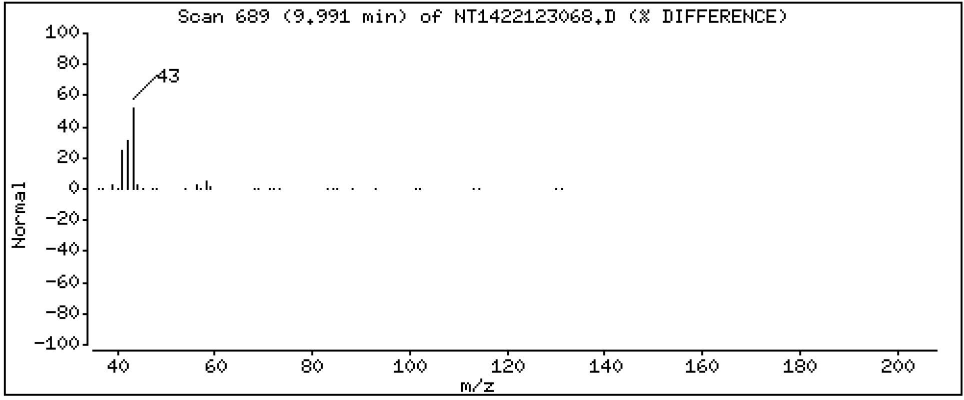
16 N-Nitroso-di-n-propylamine

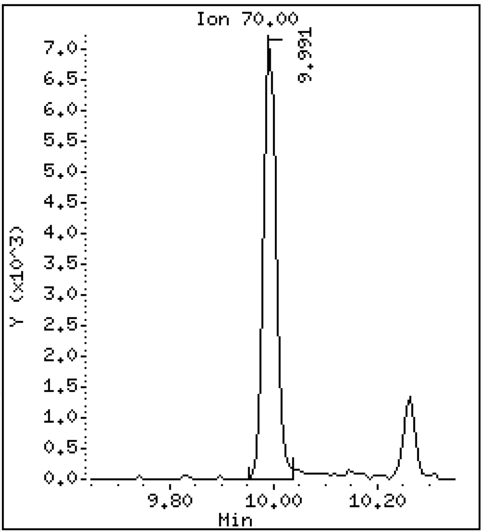
Concentration: 0.5075 ug/mL

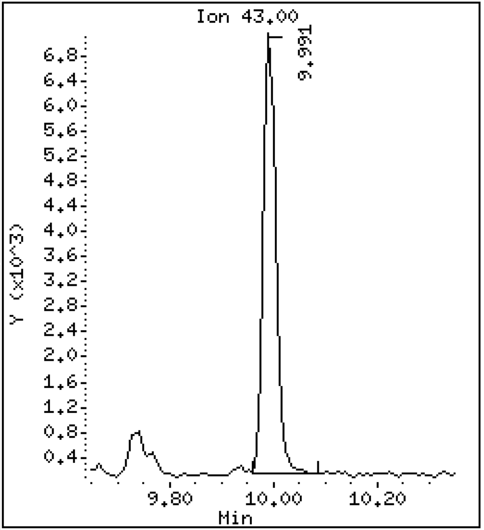


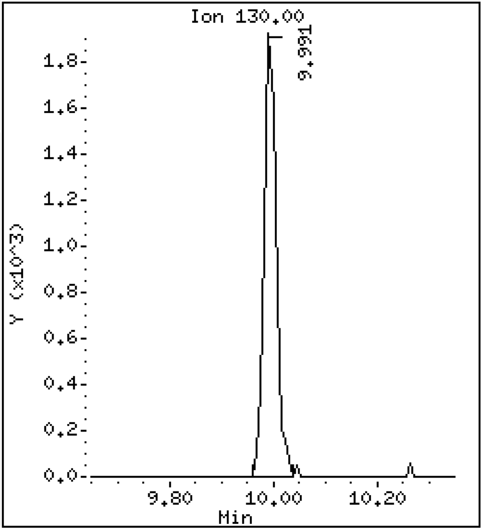












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Date : 01-JAN-2023 00:42

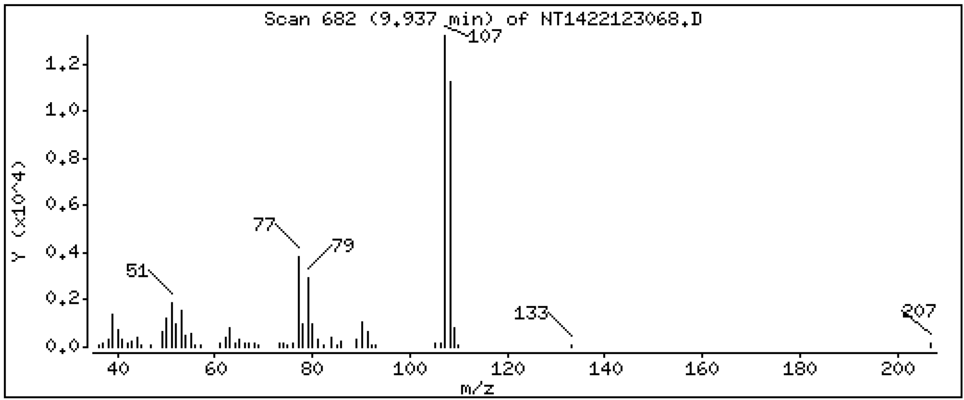
Client ID: Instrument: nt14.i

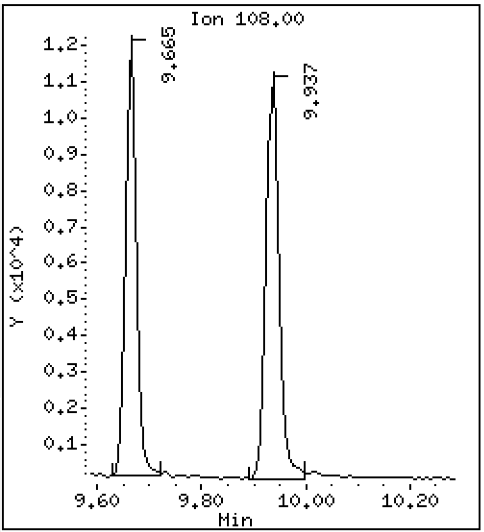
Sample Info: SKL0355-LCV4

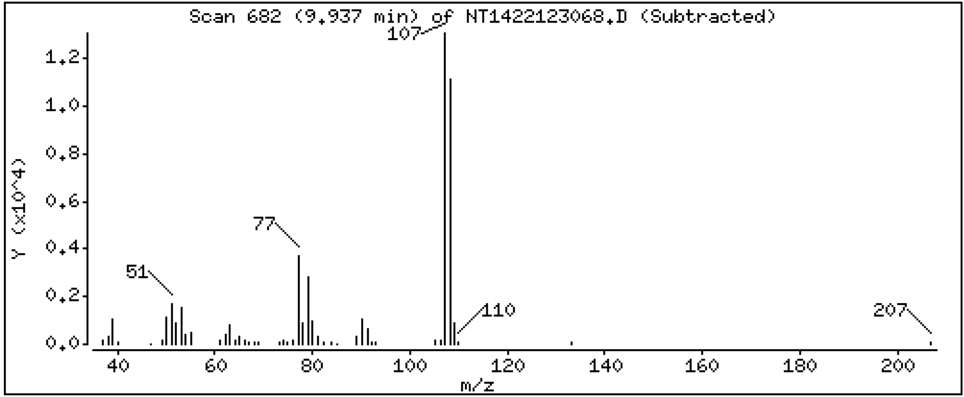
Operator: VTS

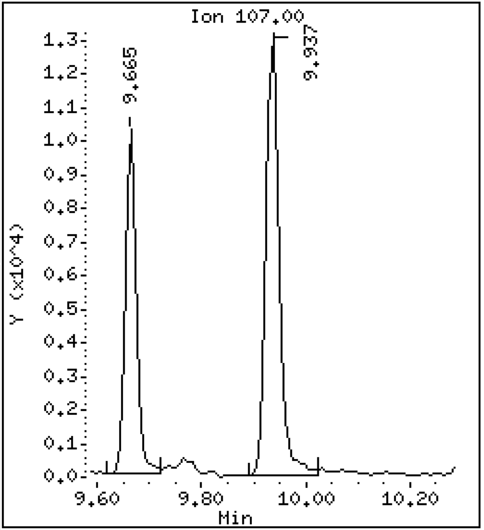
Column phase: ZB-5msi Column diameter: 0.25

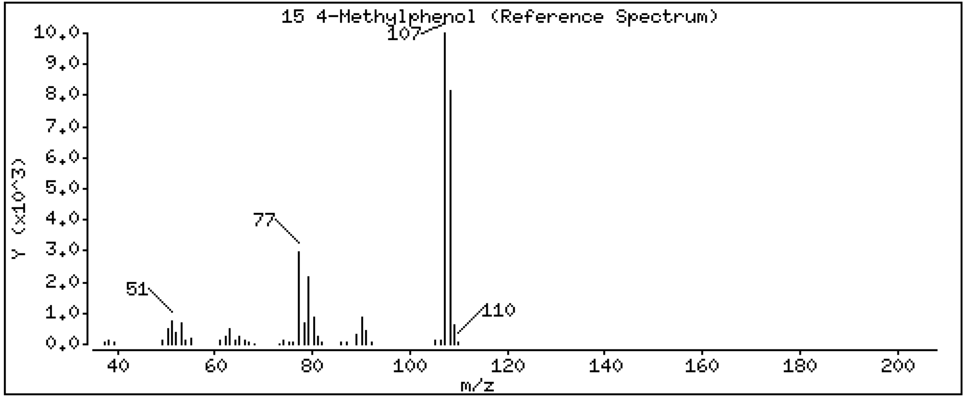
15 4-Methylphenol Concentration: 0.4654 ug/mL

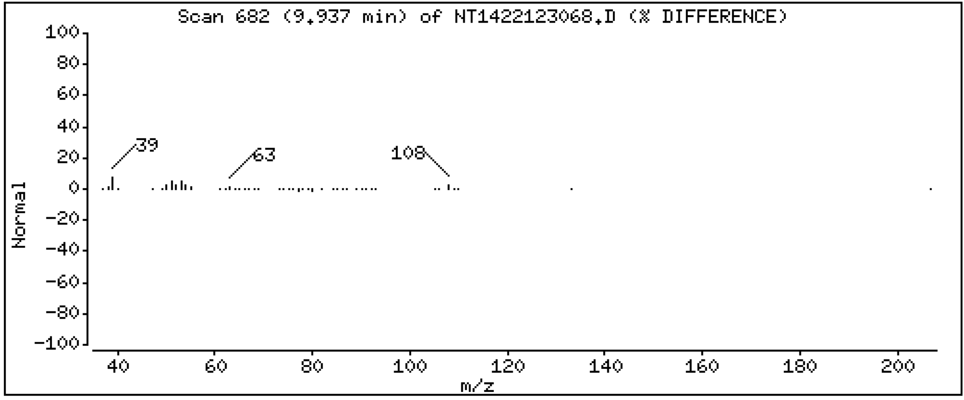


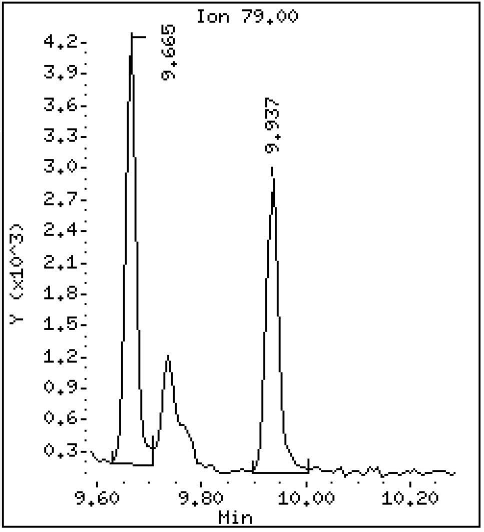












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Date : 01-JAN-2023 00:42

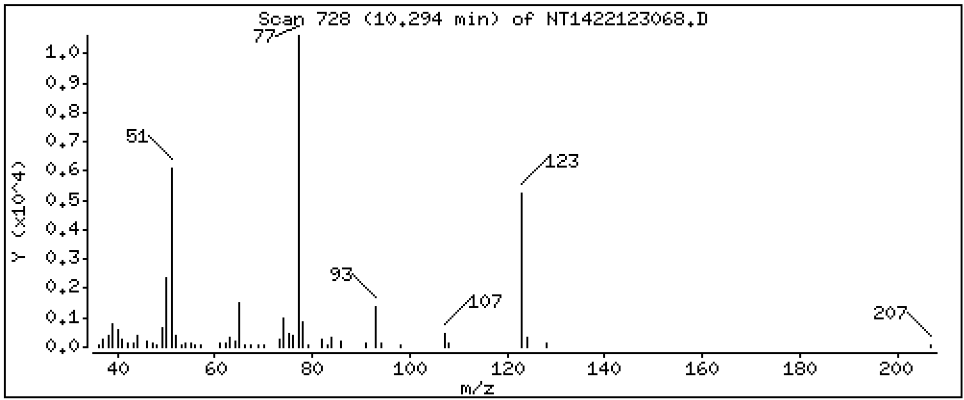
Client ID: Instrument: nt14.i

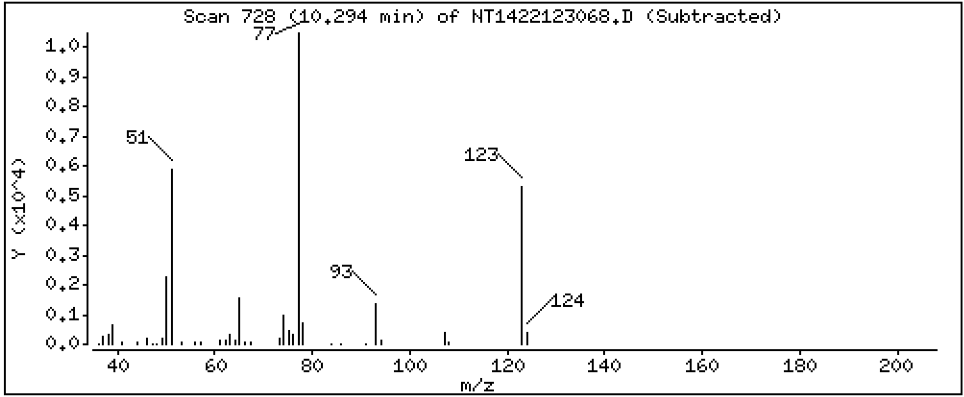
Sample Info: SKL0355-LCV4

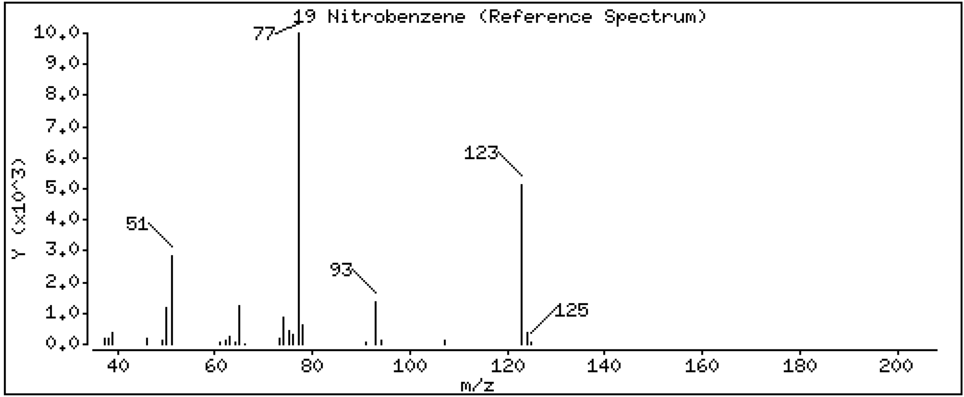
Operator: VTS

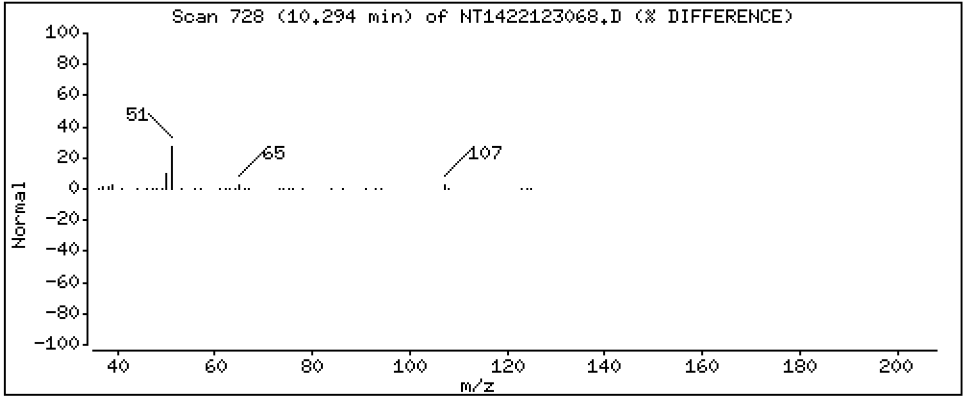
Column phase: ZB-5msi Column diameter: 0.25

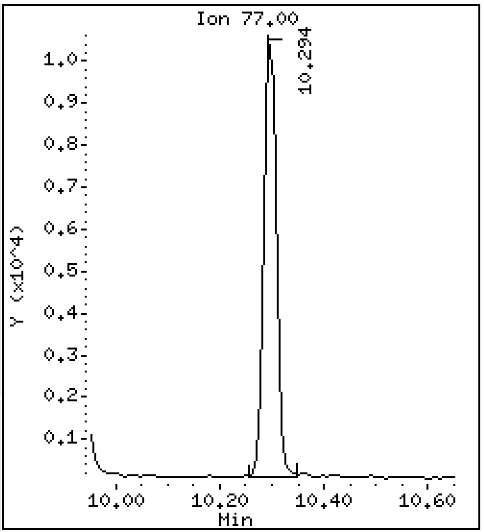
19 Nitrobenzene Concentration: 0.4693 ug/mL

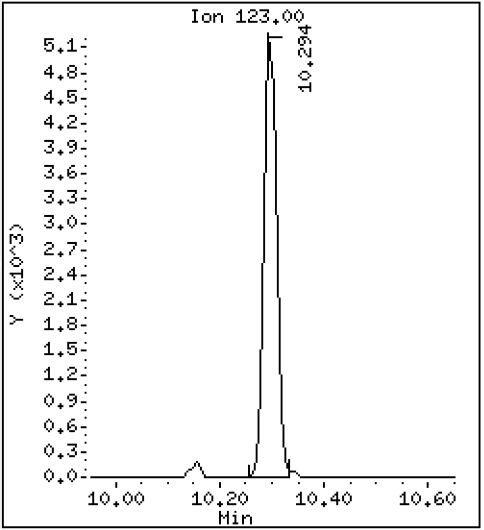

Scan 728 (10.294 min) of NT1422123068.D


Scan 728 (10.294 min) of NT1422123068.D (Subtracted)


19 Nitrobenzene (Reference Spectrum)


Scan 728 (10.294 min) of NT1422123068.D (% DIFFERENCE)


Ion 77.00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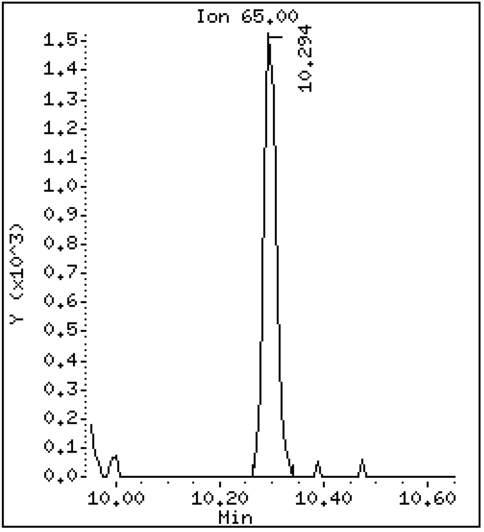
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Date : 01-JAN-2023 00:42

Client ID:

Instrument: nt14.i

Sample Info: SKL0355-LCV4

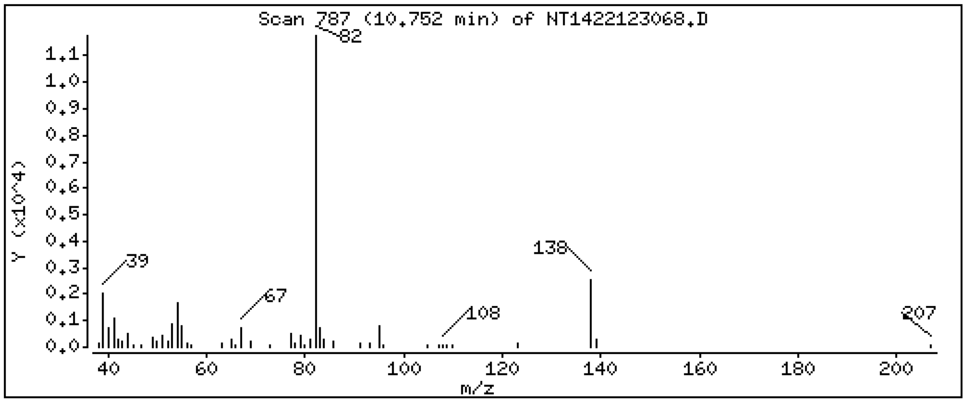
Operator: VTS

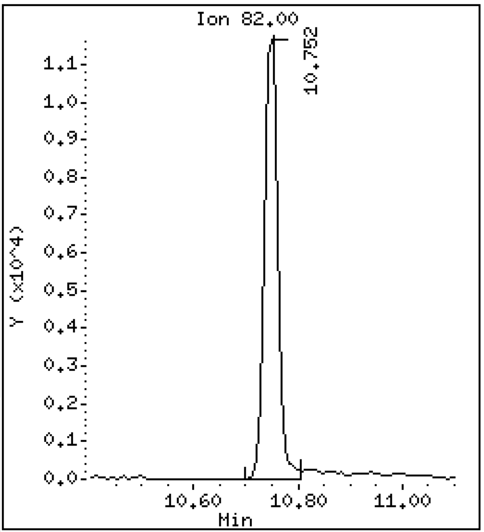
Column phase: ZB-5msi

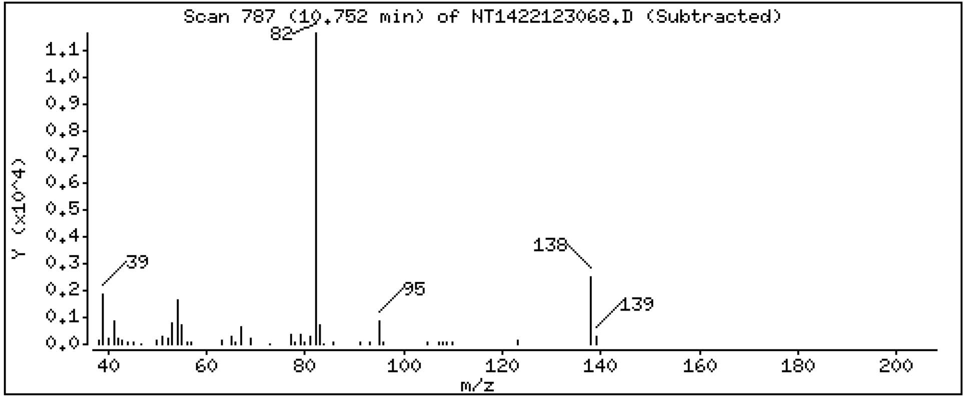
Column diameter: 0.25

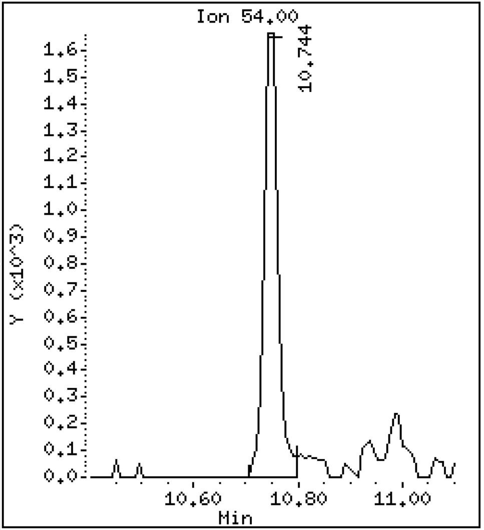
20 Isophorone

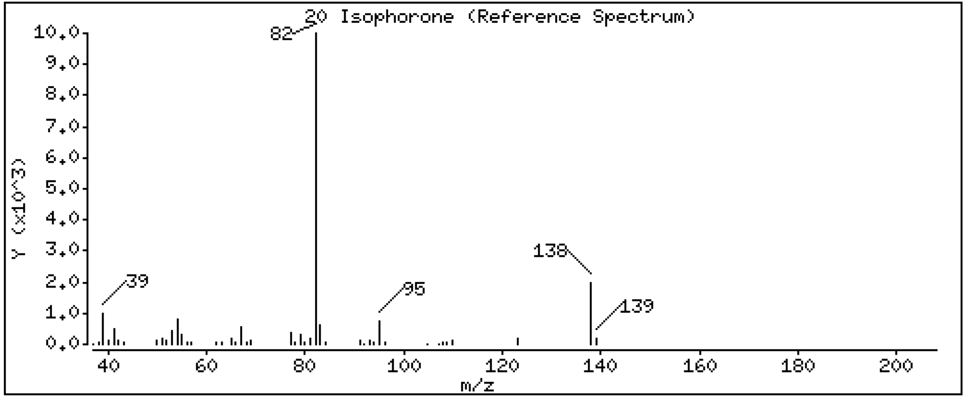
Concentration: 0.4524 ug/mL

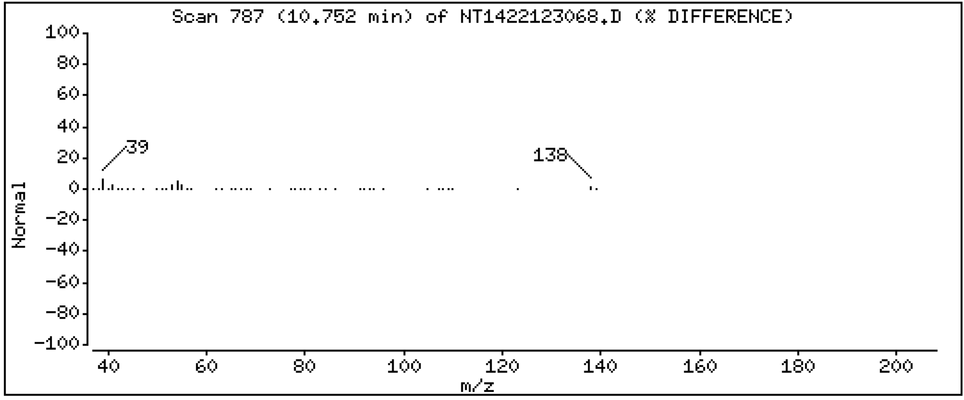


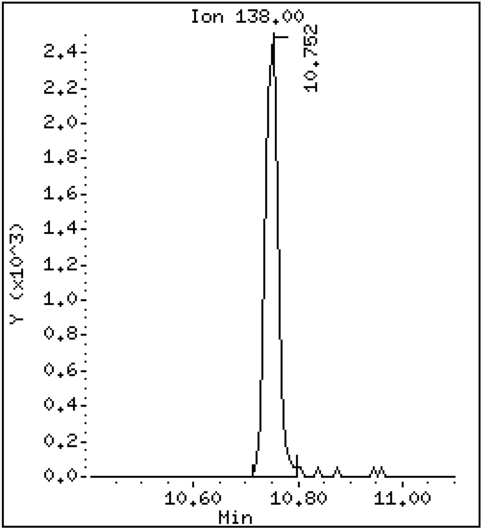












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Date : 01-JAN-2023 00:42

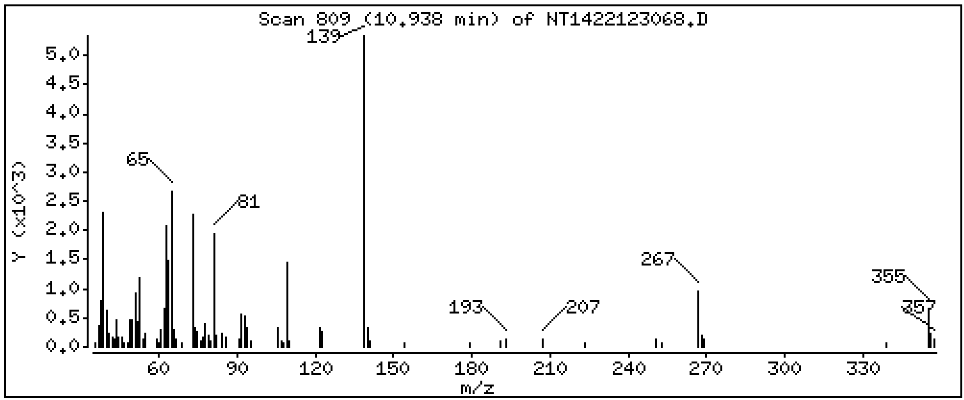
Client ID: Instrument: nt14.i

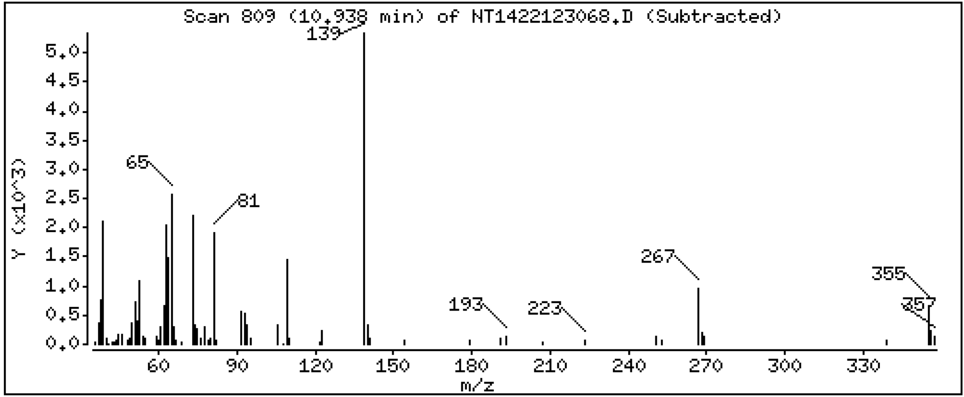
Sample Info: SKL0355-LCV4

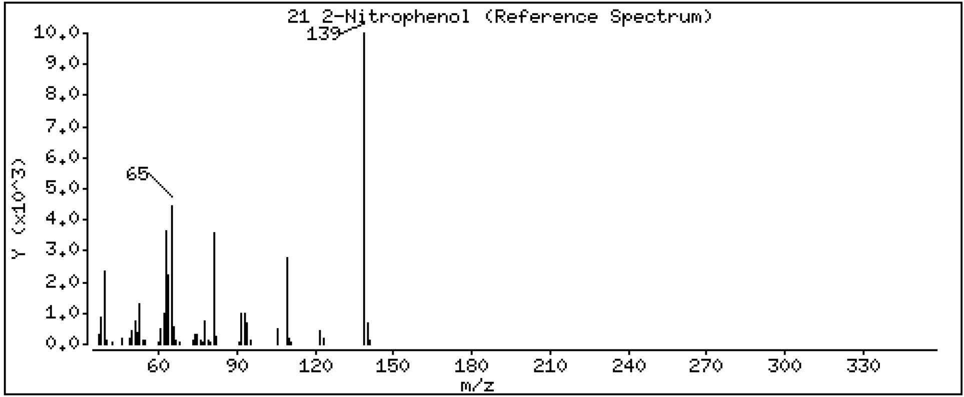
Operator: VTS

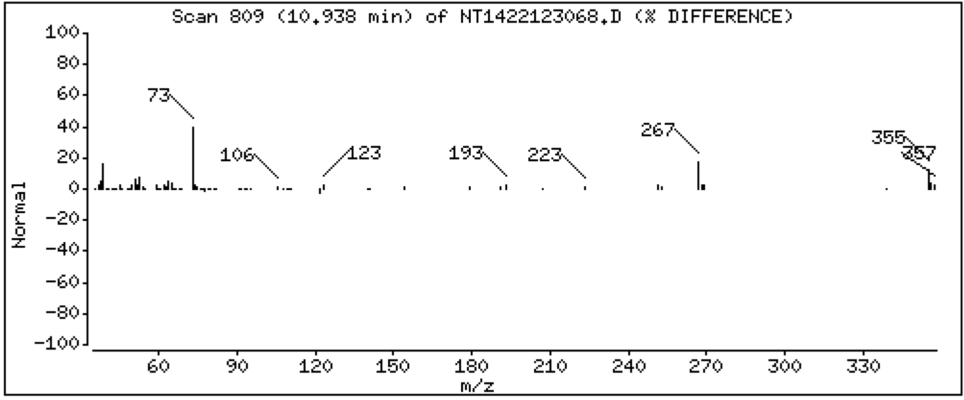
Column phase: ZB-5msi Column diameter: 0.25

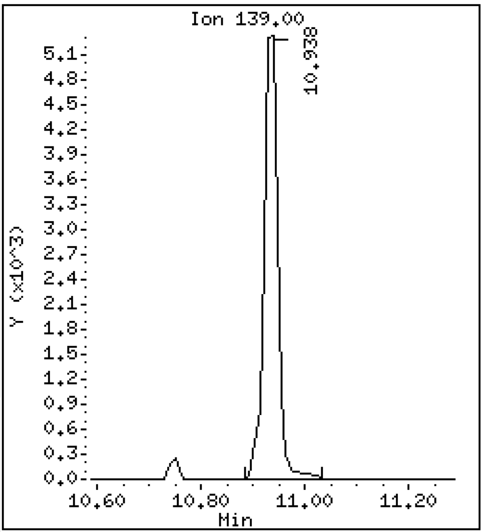
21 2-Nitrophenol Concentration: 0.4732 ug/mL

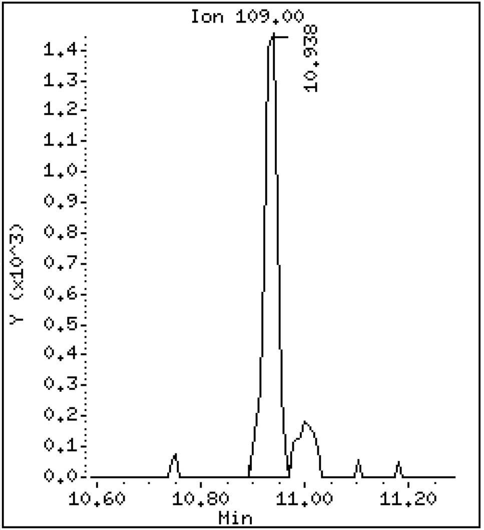

Scan 809 (10.938 min) of NT1422123068.D


Scan 809 (10.938 min) of NT1422123068.D (Subtracted)


21 2-Nitrophenol (Reference Spectrum)


Scan 809 (10.938 min) of NT1422123068.D (% DIFFERENCE)


Ion 139.00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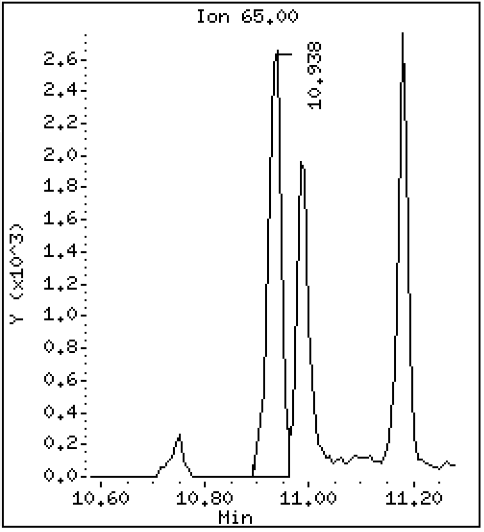

Ion 65.00

Data File: \\target\share\chem3\nt14.i\20221230C.b\NT1422123068.D

Date : 01-JAN-2023 00:42

Client ID:

Instrument: nt14.i

Sample Info: SKL0355-LCV4

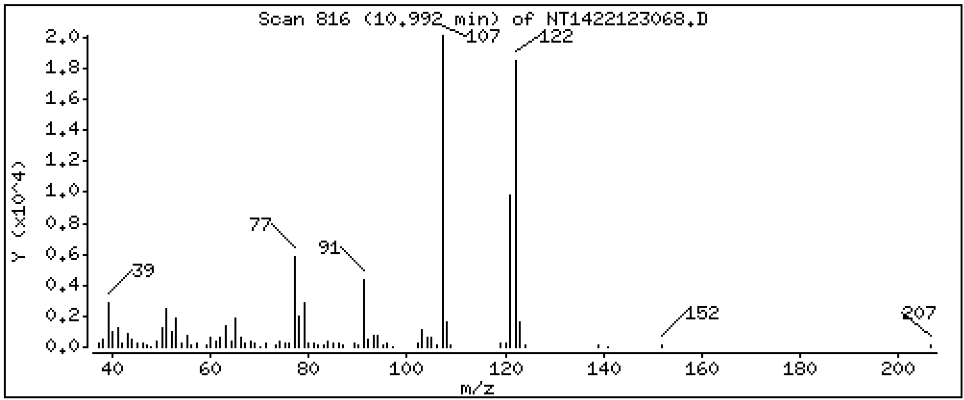
Operator: VTS

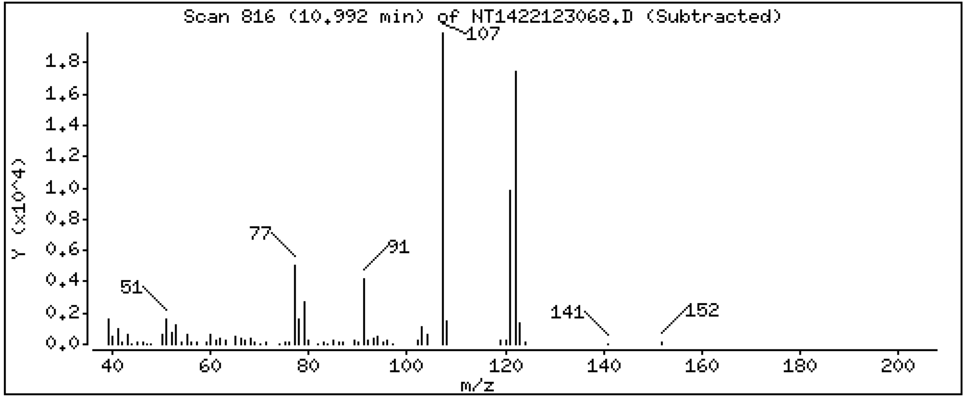
Column phase: ZB-5msi

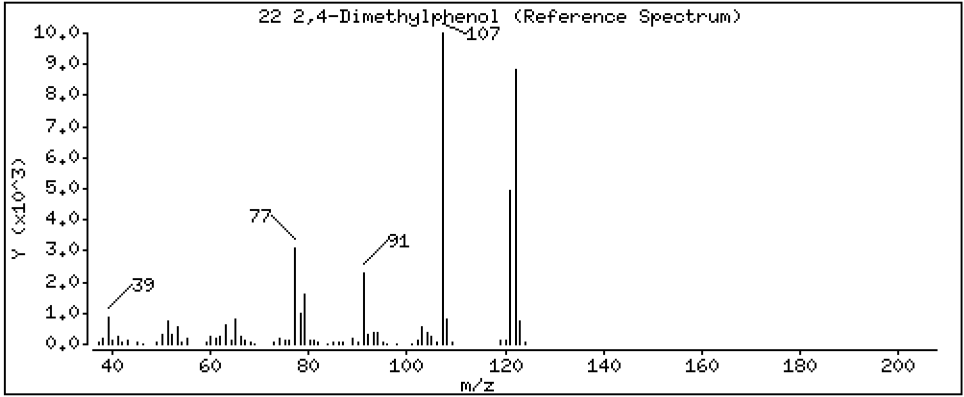
Column diameter: 0.25

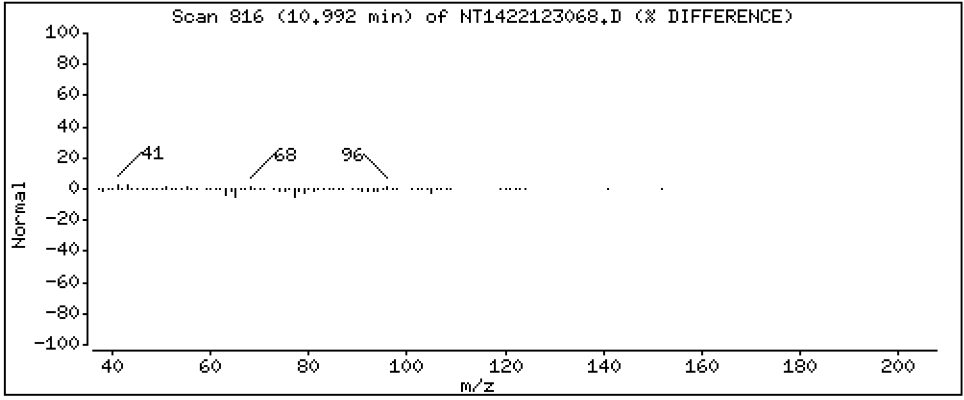
22 2,4-Dimethylphenol

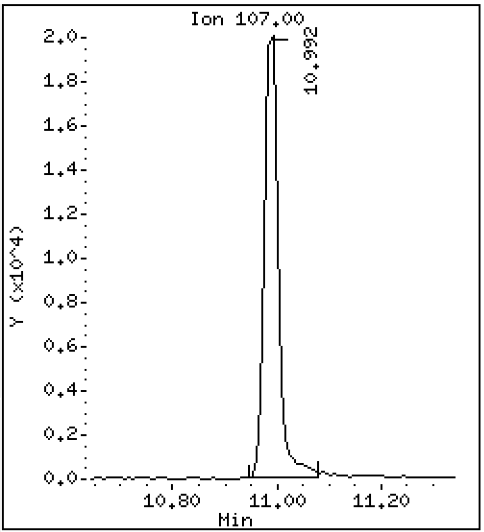
Concentration: 0.9769 ug/mL

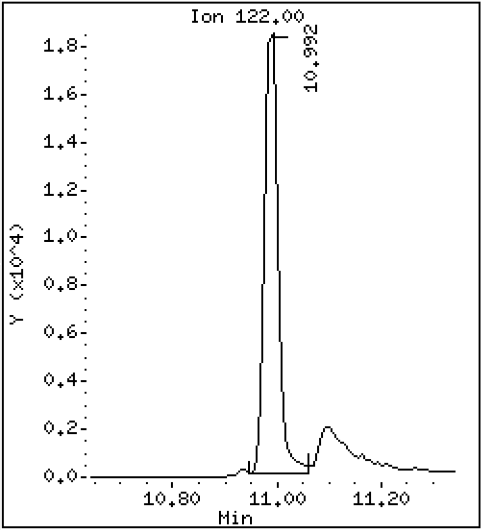


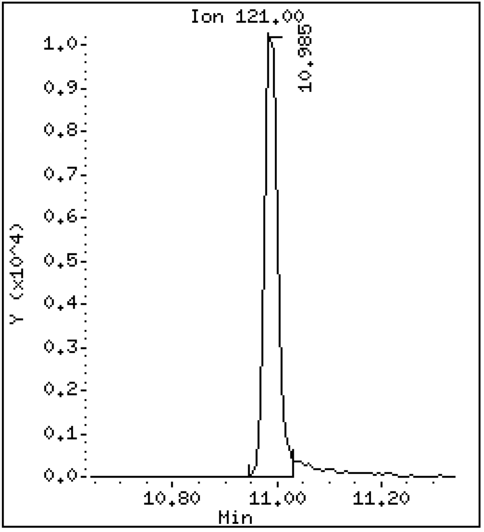












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Date : 01-JAN-2023 00:42

Client ID:

Instrument: nt14.i

Sample Info: SKL0355-LCV4

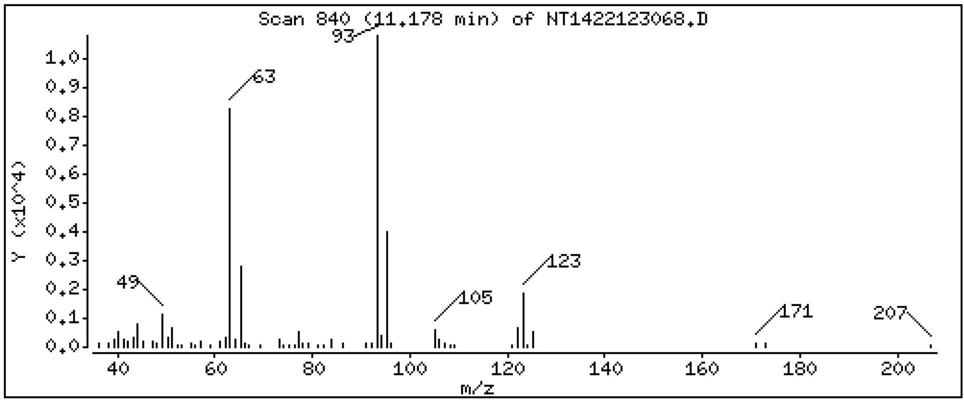
Operator: VTS

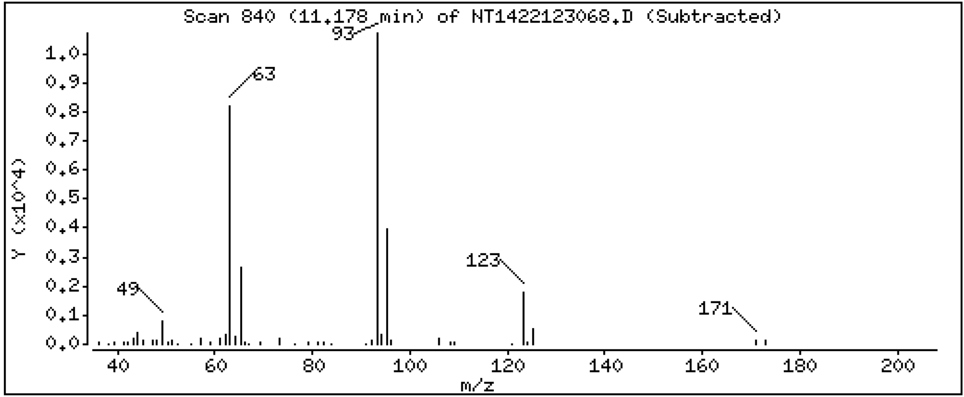
Column phase: ZB-5msi

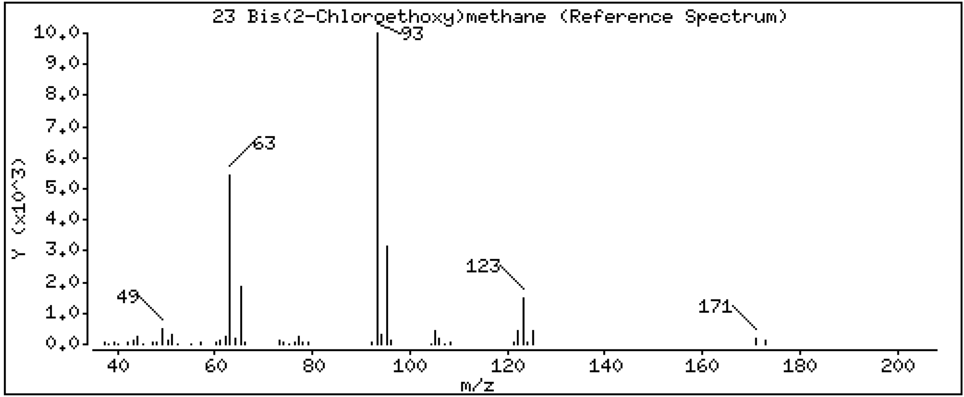
Column diameter: 0.25

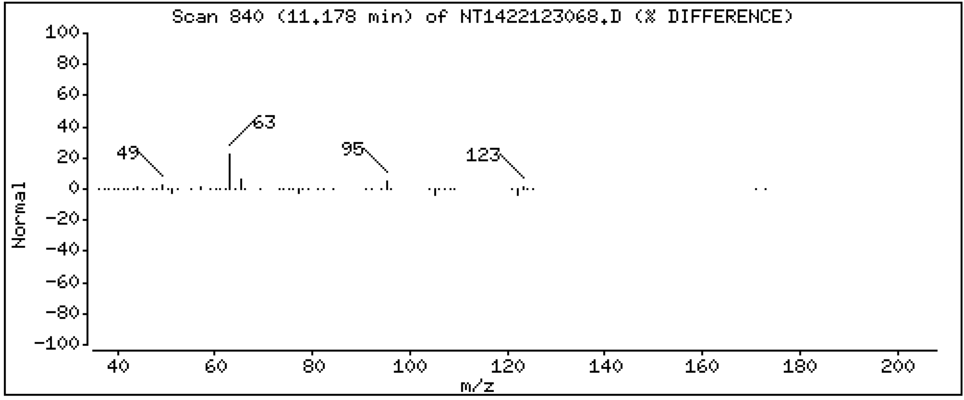
23 Bis(2-Chloroethoxy)methane

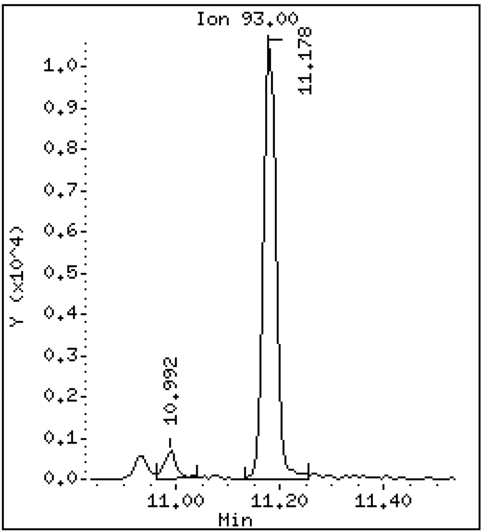
Concentration: 0.4949 ug/mL

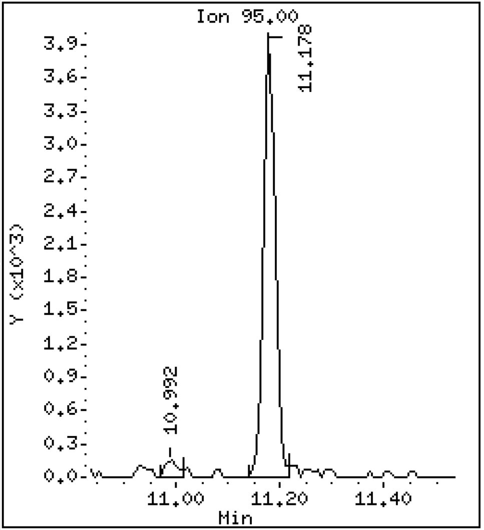


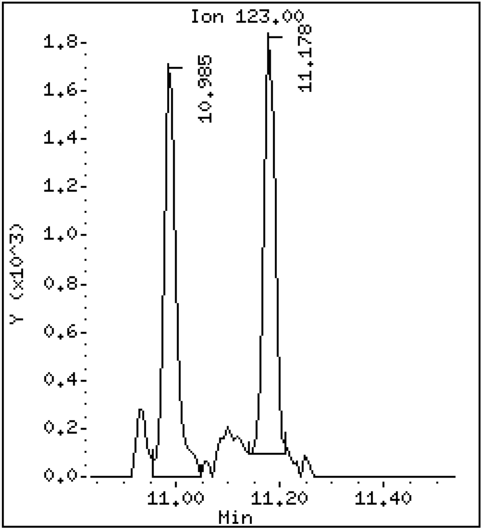












Data File: \\target\share\chem3\nt14.i\20221230C.b\NT1422123068.D

Date : 01-JAN-2023 00:42

Client ID:

Instrument: nt14.i

Sample Info: SKL0355-LCV4

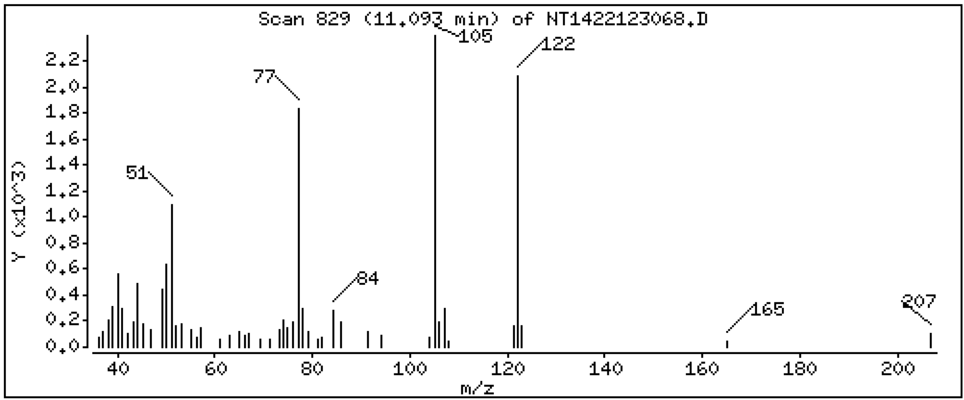
Operator: VTS

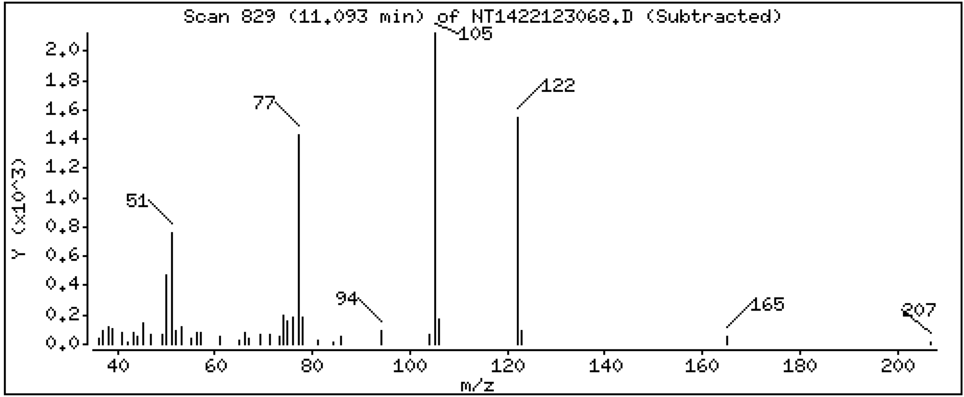
Column phase: ZB-5msi

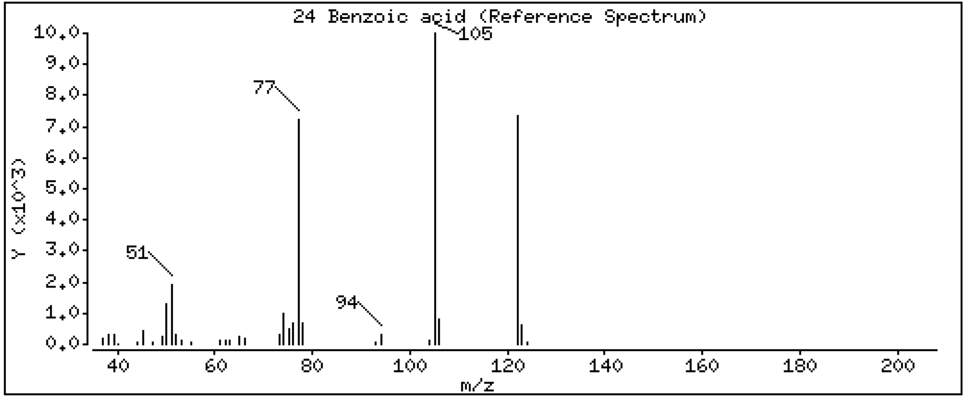
Column diameter: 0.25

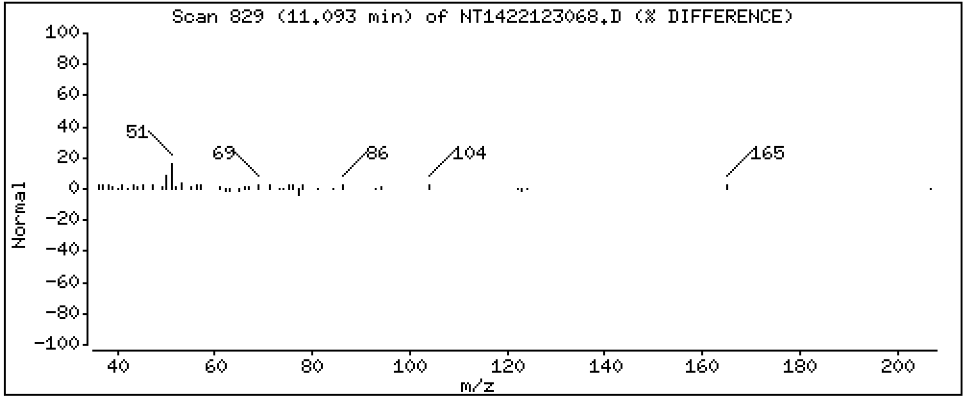
24 Benzoic acid

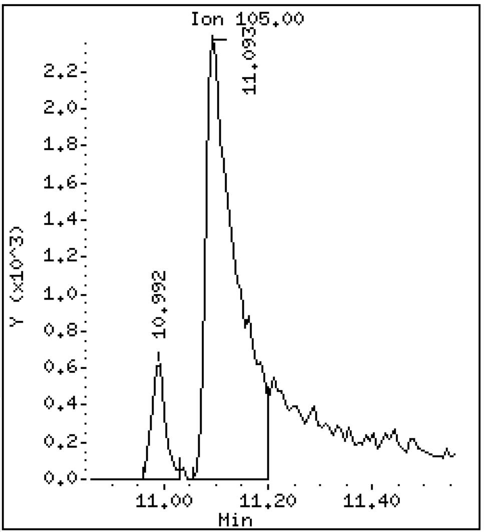
Concentration: 0.4477 ug/mL

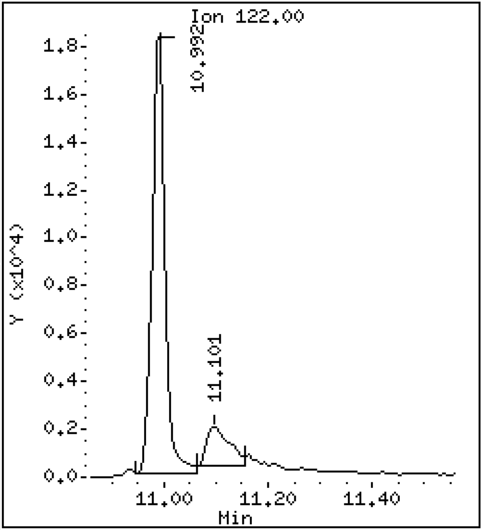


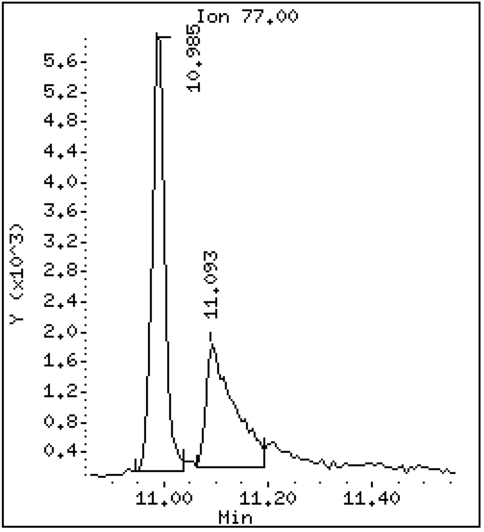












Data File: \\target\share\chem3\nt14.i\20221230C.b\NT1422123068.D

Date : 01-JAN-2023 00:42

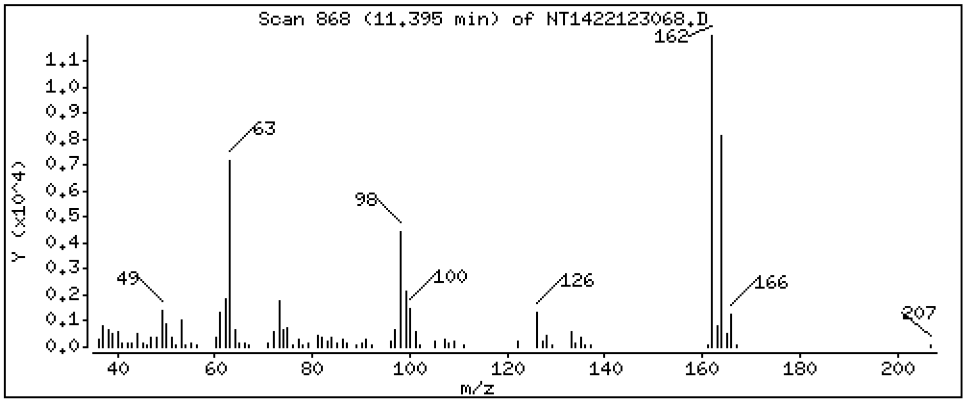
Client ID: Instrument: nt14.i

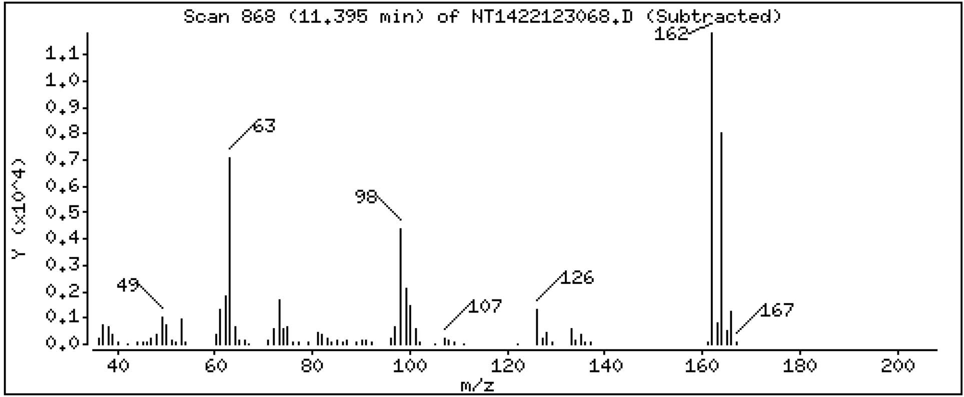
Sample Info: SKL0355-LCV4

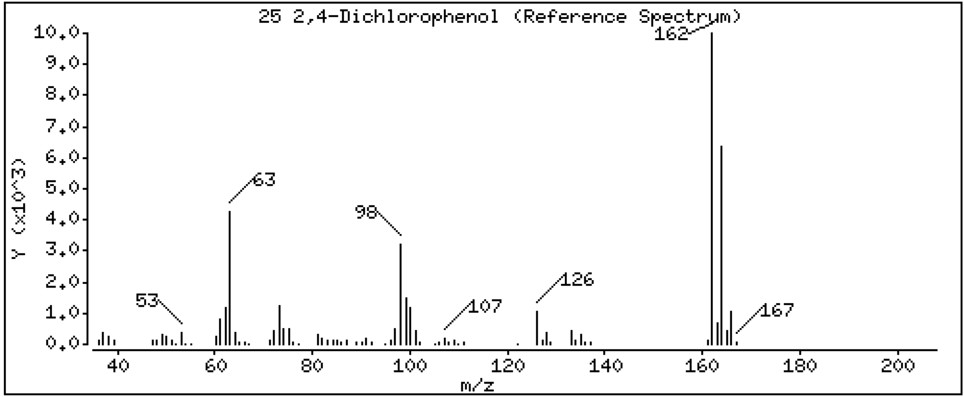
Operator: VTS

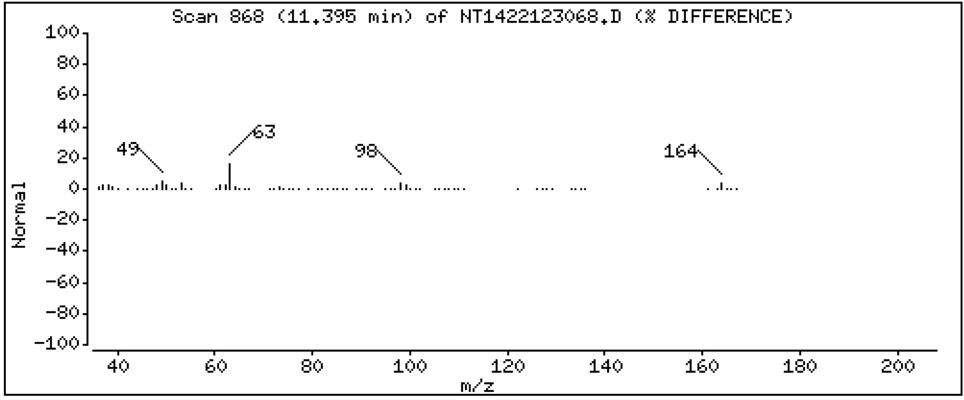
Column phase: ZB-5msi Column diameter: 0.25

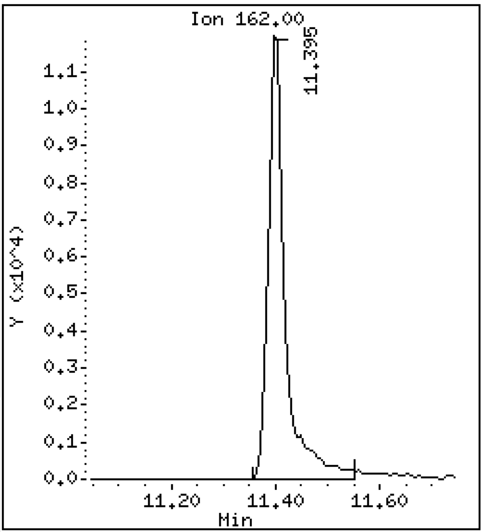
25 2,4-Dichlorophenol Concentration: 0.9599 ug/mL

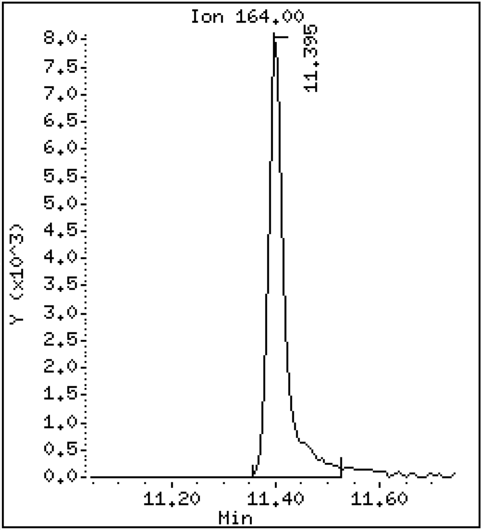


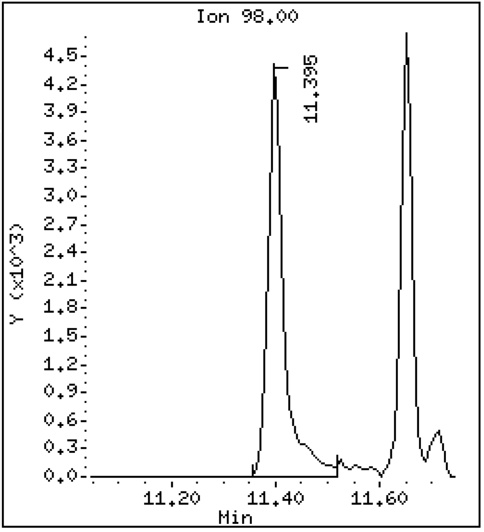












Data File: \\target\share\chem3\nt14.i\20221230C.b\NT1422123068.D

Date : 01-JAN-2023 00:42

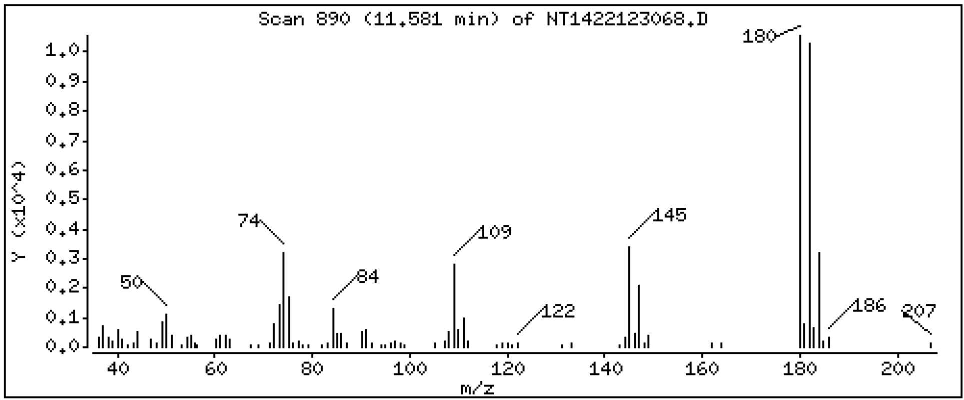
Client ID: Instrument: nt14.i

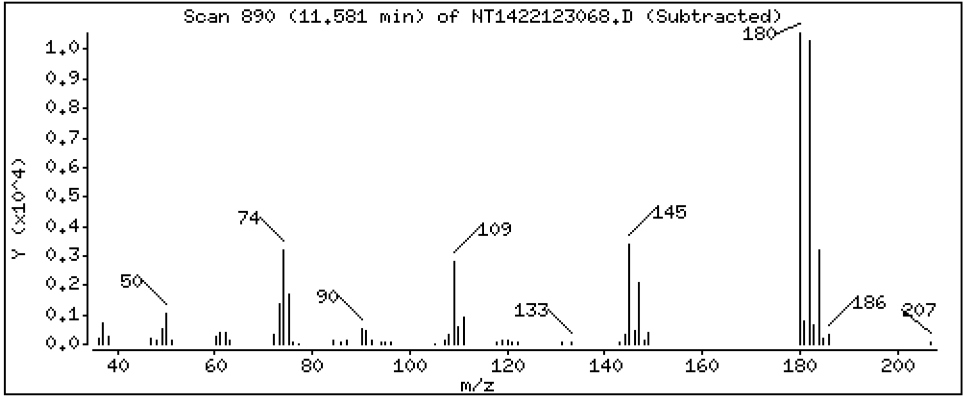
Sample Info: SKL0355-LCV4

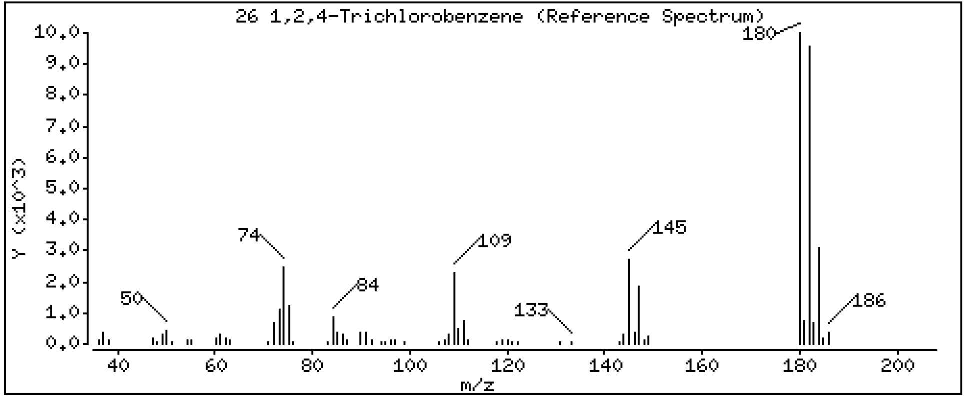
Operator: VTS

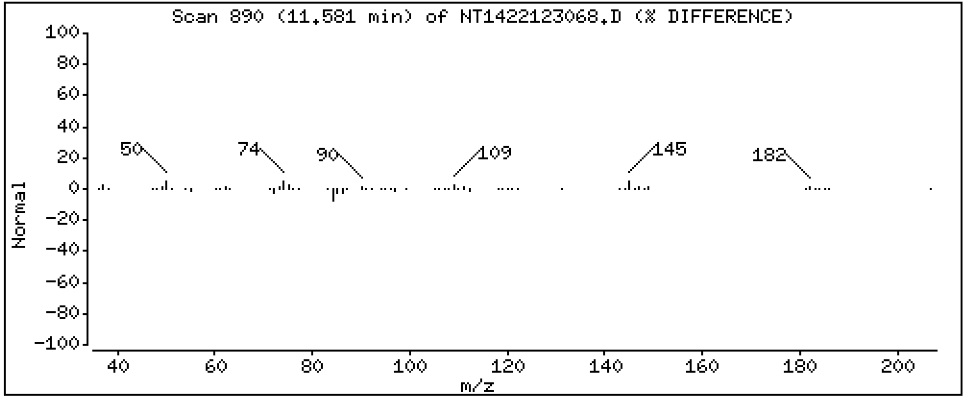
Column phase: ZB-5msi Column diameter: 0.25

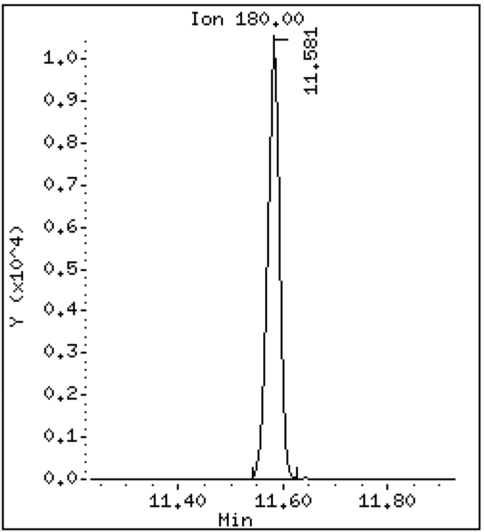
26 1,2,4-Trichlorobenzene Concentration: 0.4890 ug/mL

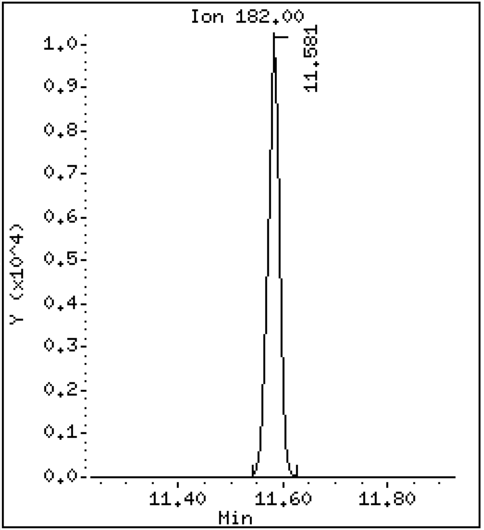

Scan 890 (11.581 min) of NT1422123068.D

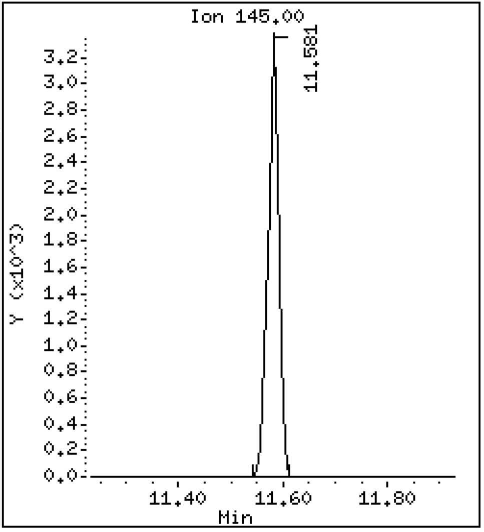

Scan 890 (11.581 min) of NT1422123068.D (Subtracted)


26 1,2,4-Trichlorobenzene (Reference Spectrum)


Scan 890 (11.581 min) of NT1422123068.D (% DIFFERENCE)


Ion 180.00


Ion 182.00


Ion 145.00

Date : 01-JAN-2023 00:42

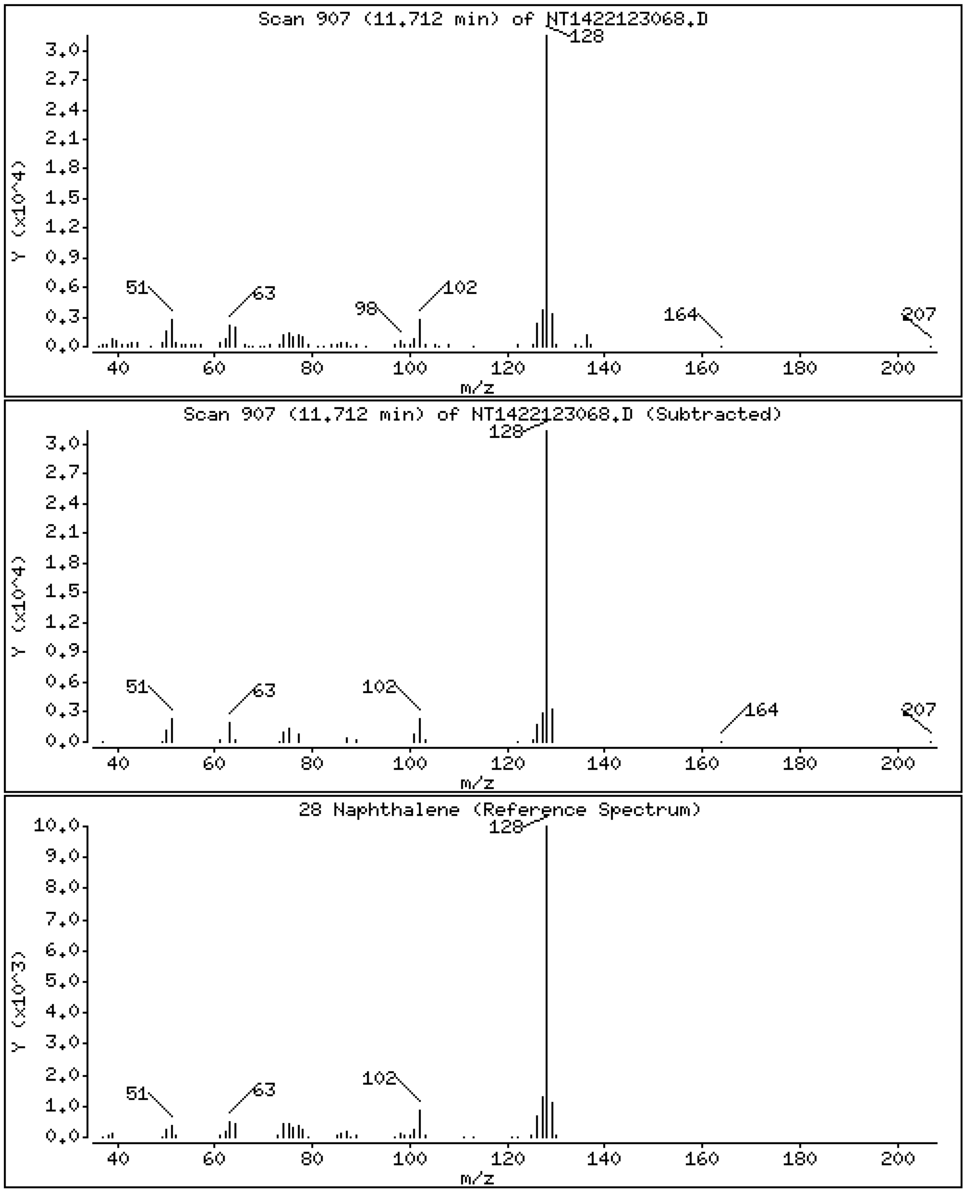
Client ID: Instrument: nt14.i

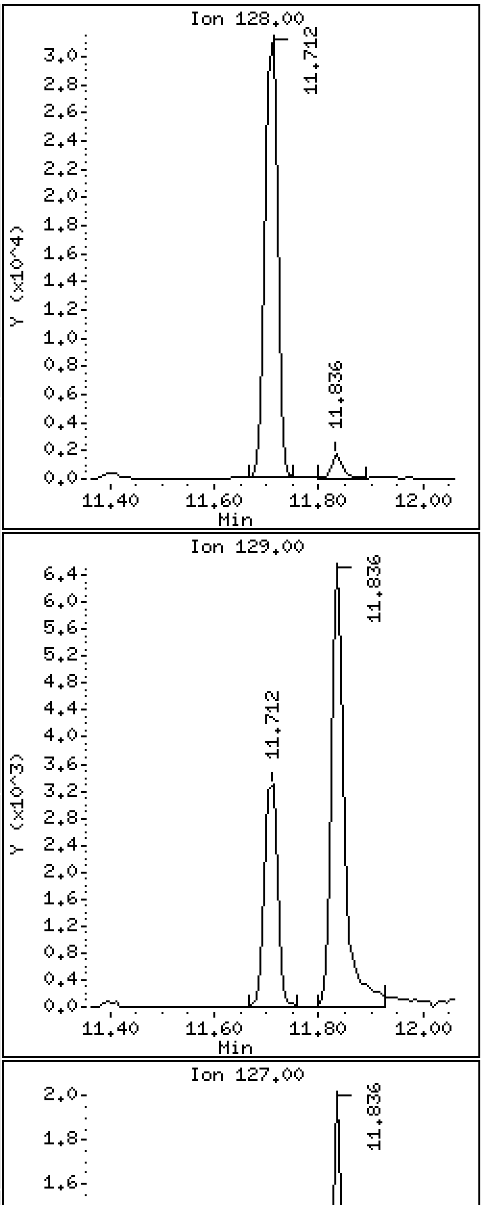
Sample Info: SKL0355-LCV4

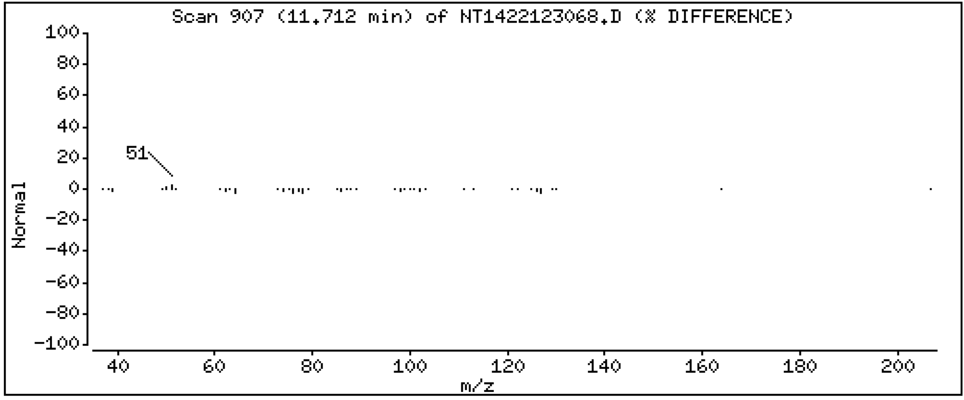
Operator: VTS

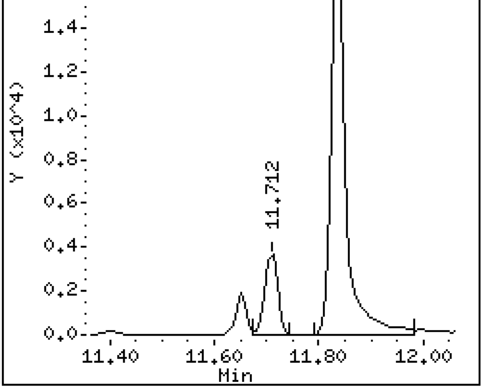
Column phase: ZB-5msi Column diameter: 0.25

28 Naphthalene Concentration: 0.4854 ug/mL









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Date : 01-JAN-2023 00:42

Client ID:

Instrument: nt14.i

Sample Info: SKL0355-LCV4

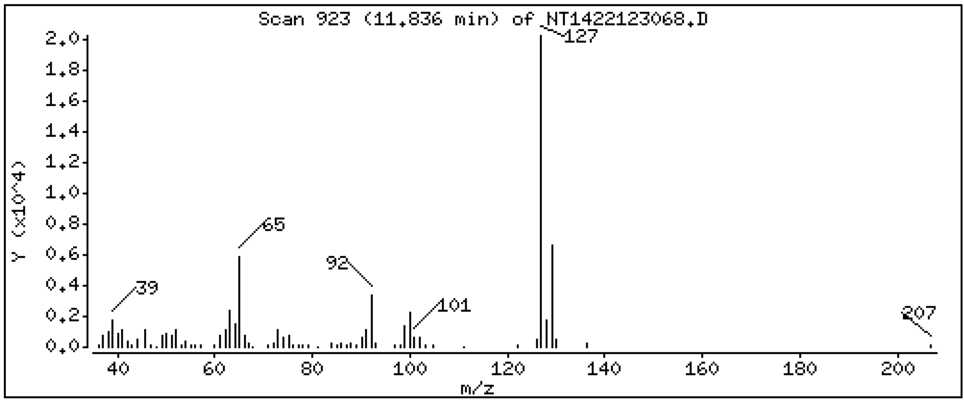
Operator: VTS

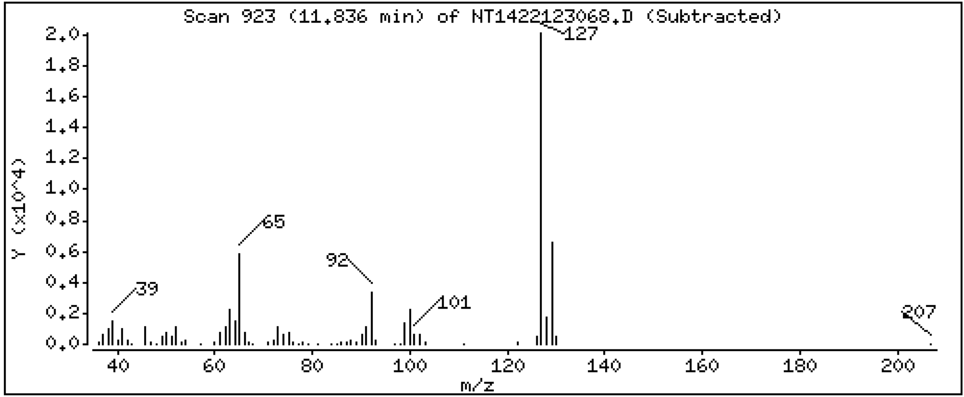
Column phase: ZB-5msi

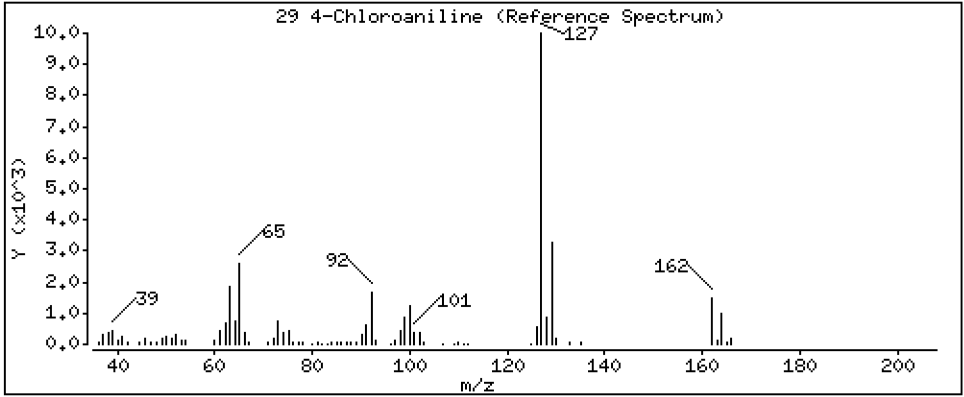
Column diameter: 0.25

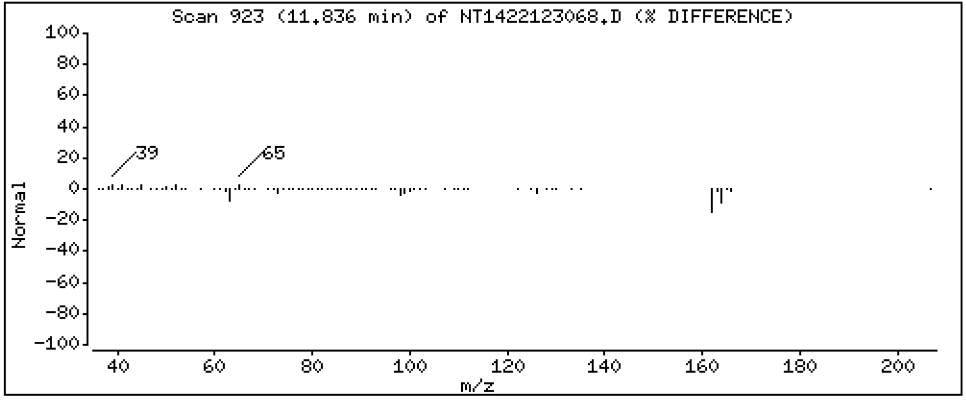
29 4-Chloroaniline

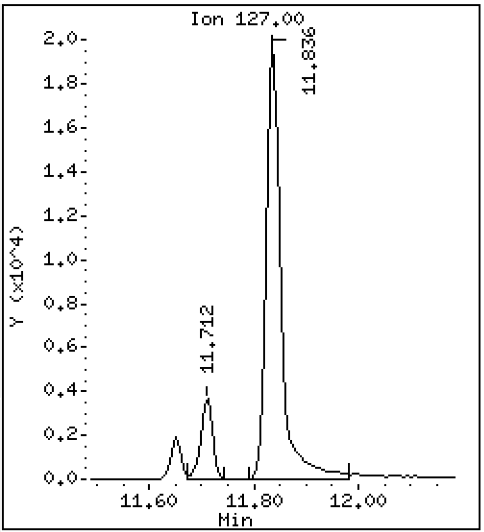
Concentration: 0.8885 ug/mL

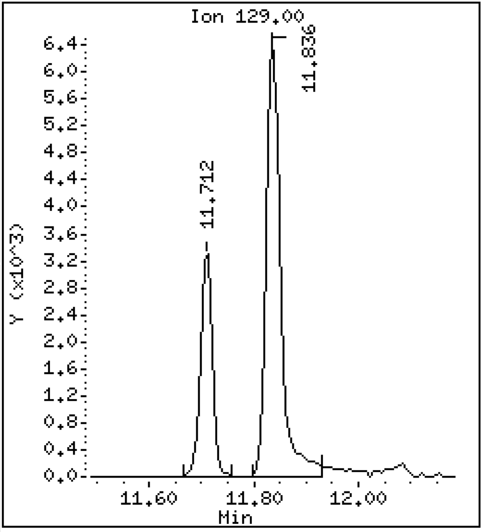

Scan 923 (11.836 min) of NT1422123068.D


Scan 923 (11.836 min) of NT1422123068.D (Subtracted)


29 4-Chloroaniline (Reference Spectrum)


Scan 923 (11.836 min) of NT1422123068.D (% DIFFERENCE)


Ion 127.00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Data File: \\target\share\chem3\nt14.i\20221230C.b\NT1422123068.D

Date : 01-JAN-2023 00:42

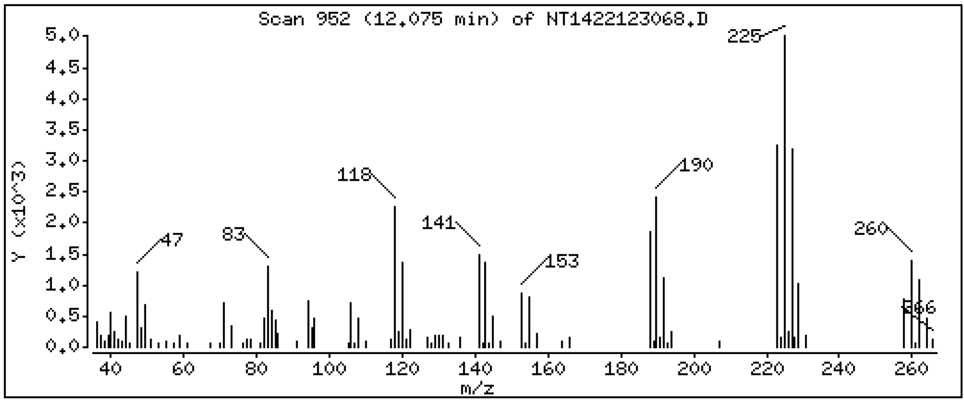
Client ID: Instrument: nt14.i

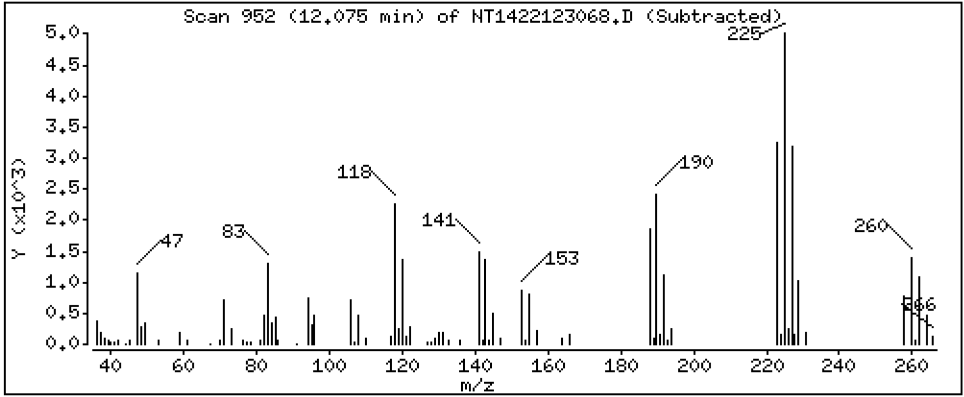
Sample Info: SKL0355-LCV4

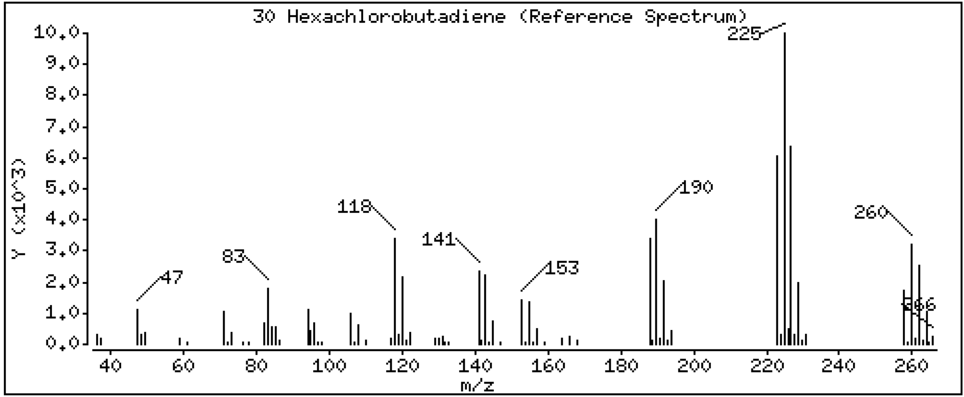
Operator: VTS

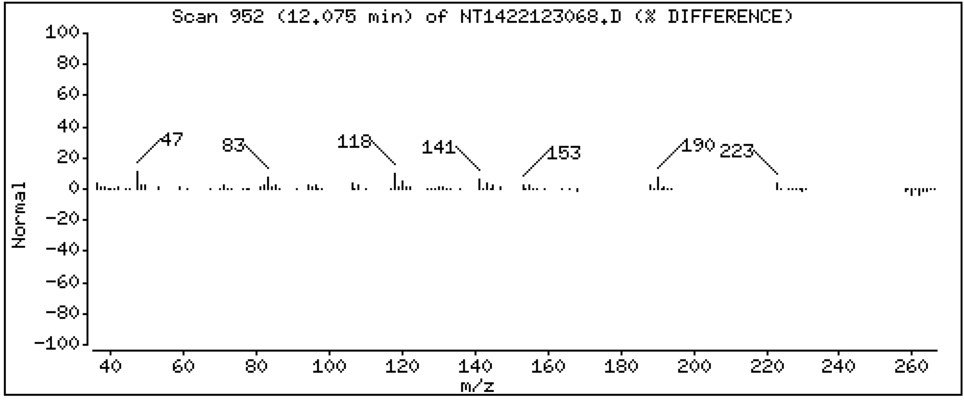
Column phase: ZB-5msi Column diameter: 0.25

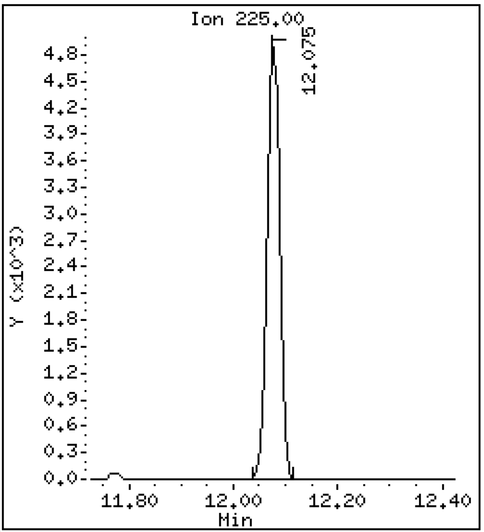
30 Hexachlorobutadiene Concentration: 0.4777 ug/mL

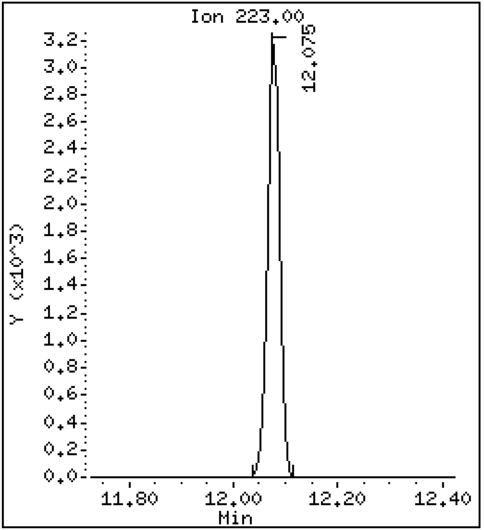


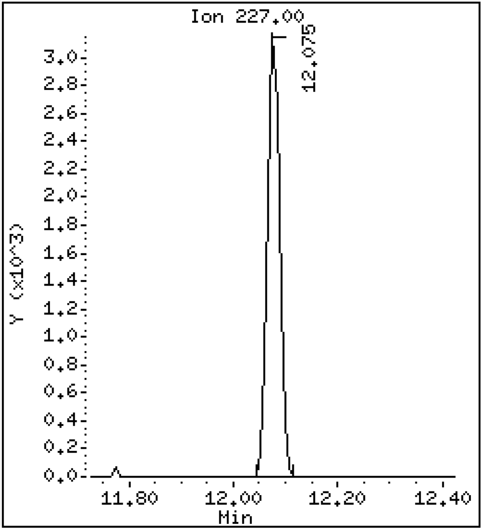












Data File: \\target\share\chem3\nt14.i\20221230C.b\NT1422123068.D

Date : 01-JAN-2023 00:42

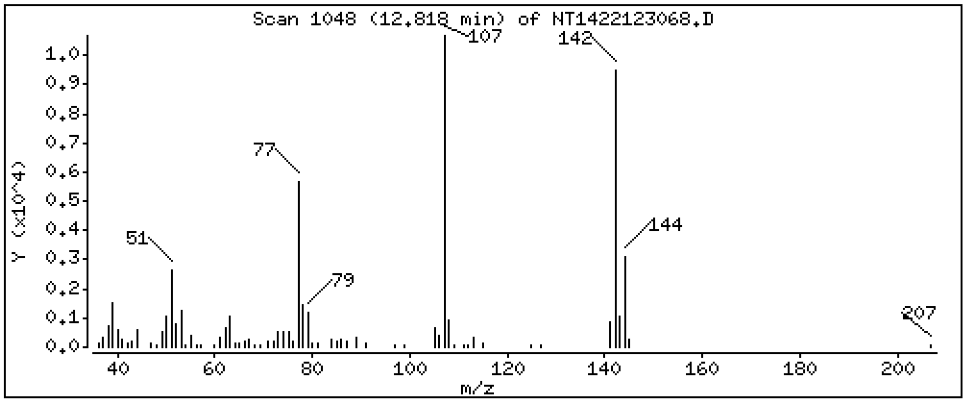
Client ID: Instrument: nt14.i

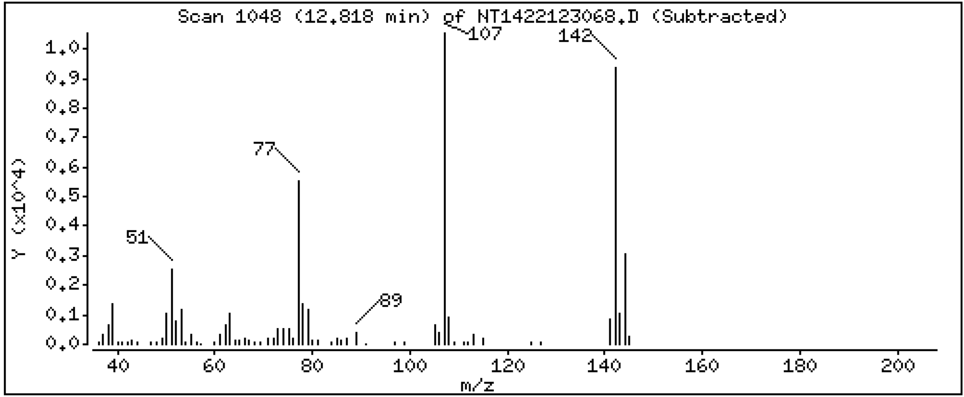
Sample Info: SKL0355-LCV4

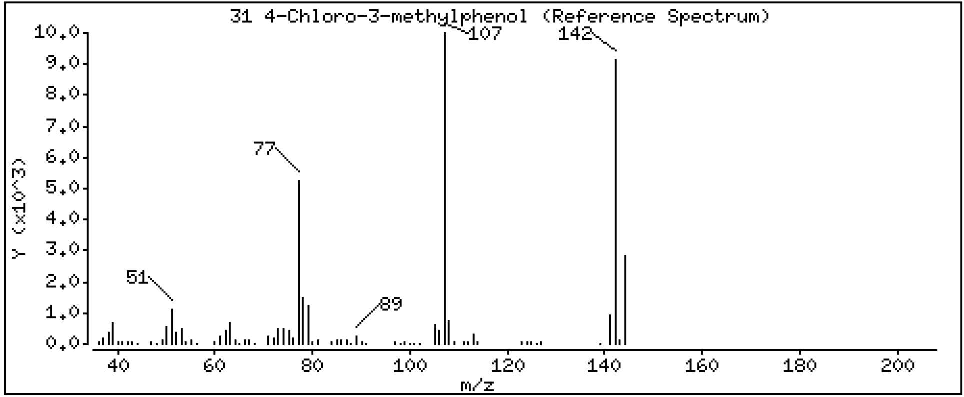
Operator: VTS

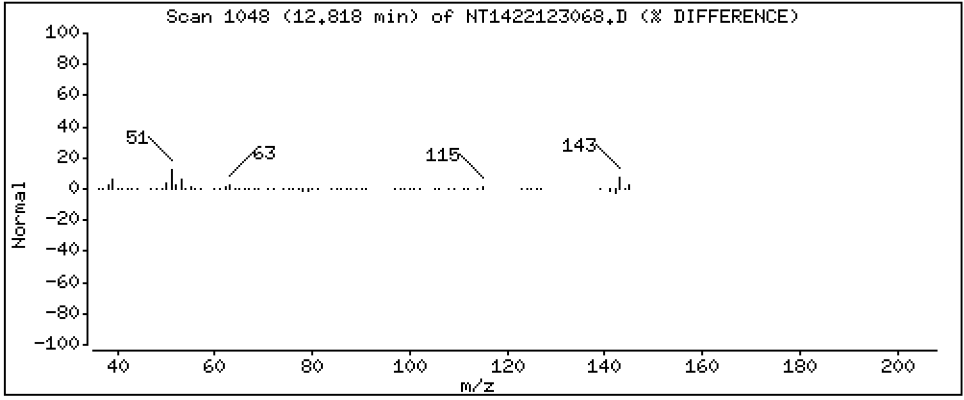
Column phase: ZB-5msi Column diameter: 0.25

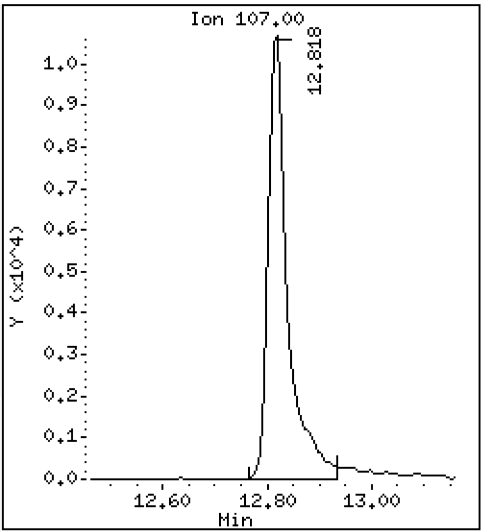
31 4-Chloro-3-methylphenol Concentration: 0.9495 ug/mL

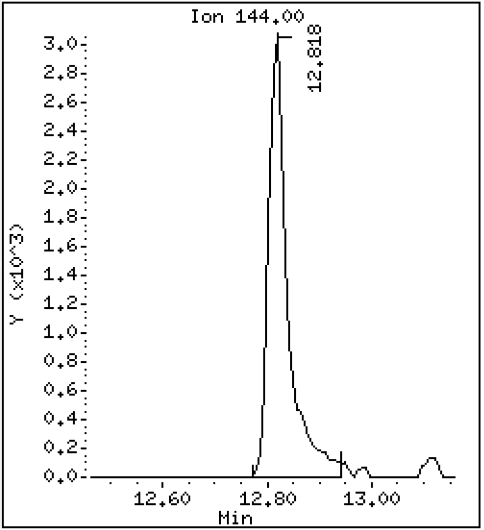

Scan 1048 (12.818 min) of NT1422123068.D

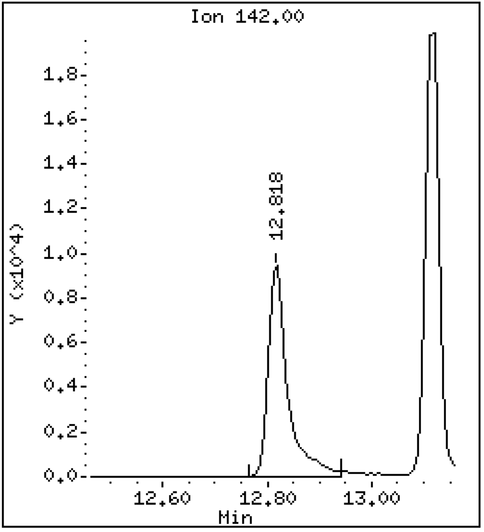

Scan 1048 (12.818 min) of NT1422123068.D (Subtracted)


31 4-Chloro-3-methylphenol (Reference Spectrum)


Scan 1048 (12.818 min) of NT1422123068.D (% DIFFERENCE)


Ion 107.00


Ion 144.00


Ion 142.00

Data File: \\target\share\chem3\nt14.i\20221230C.b\NT1422123068.D

Date : 01-JAN-2023 00:42

Client ID:

Instrument: nt14.i

Sample Info: SKL0355-LCV4

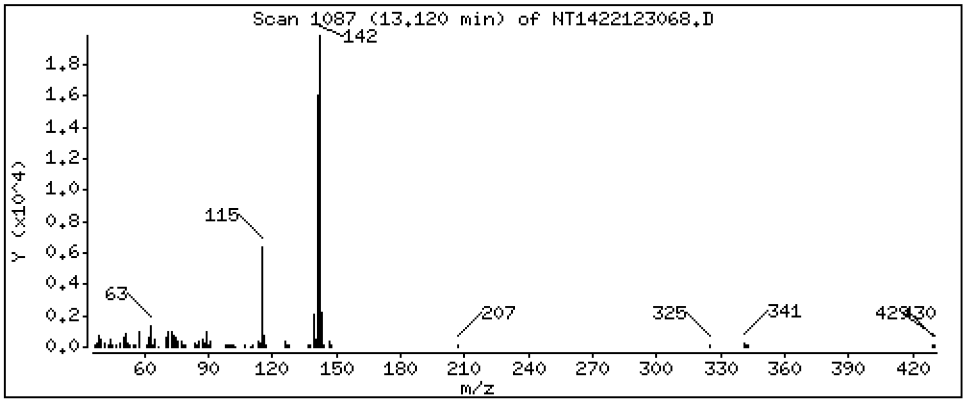
Operator: VTS

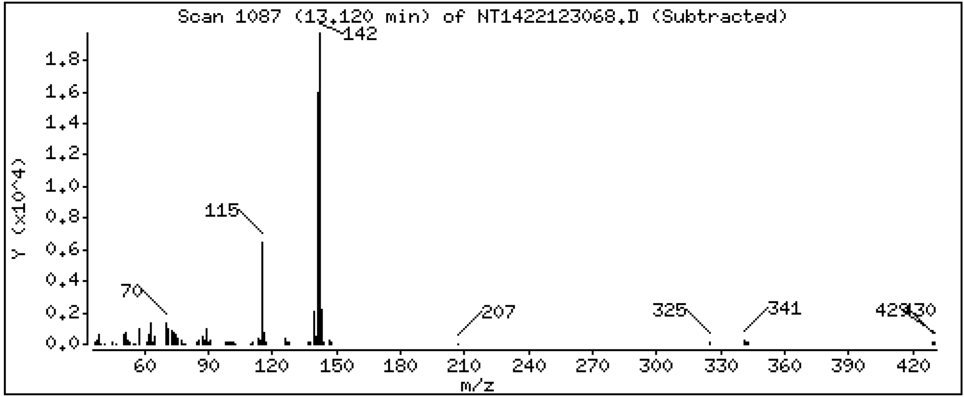
Column phase: ZB-5msi

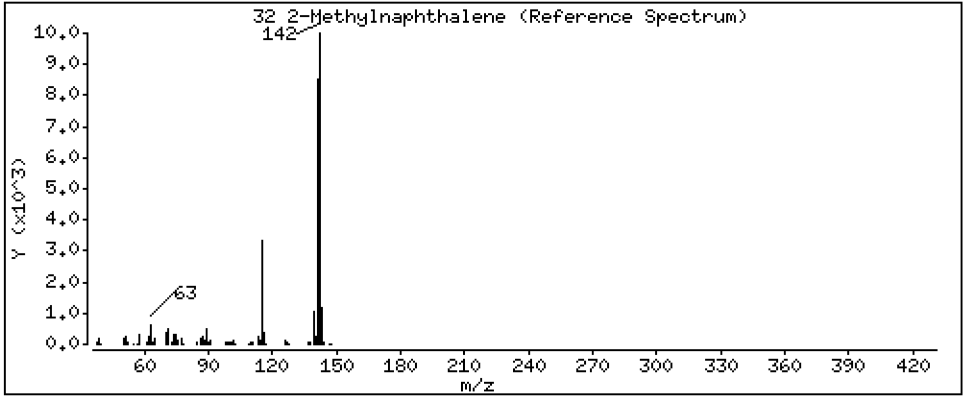
Column diameter: 0.25

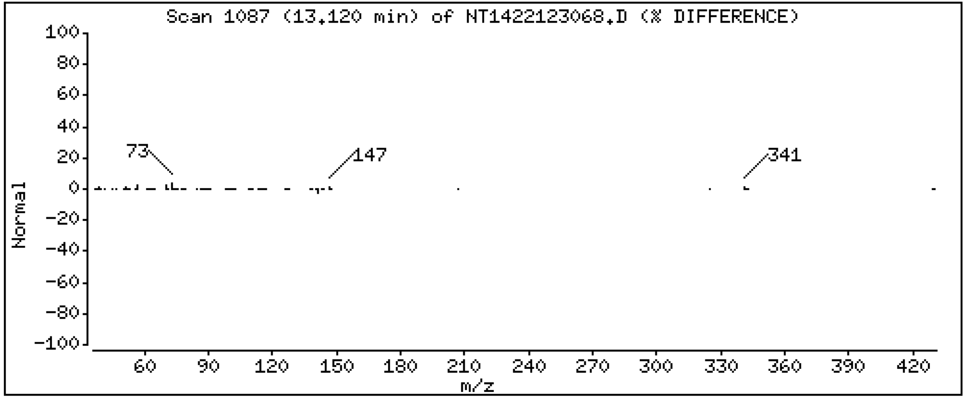
32 2-Methylnaphthalene

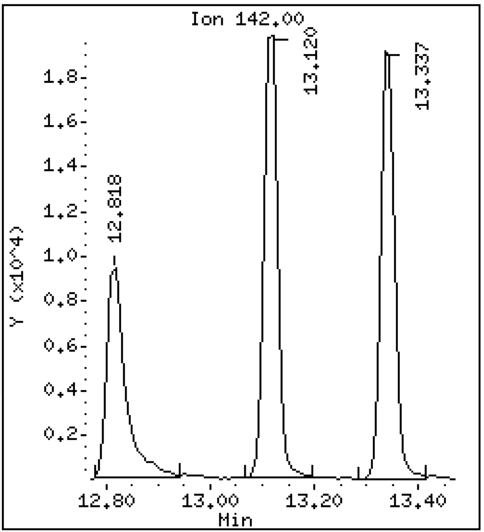
Concentration: 0.4656 ug/mL

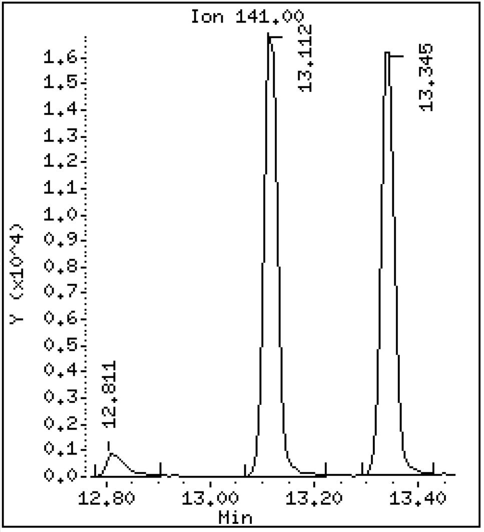

Scan 1087 (13.120 min) of NT1422123068.D


Scan 1087 (13.120 min) of NT1422123068.D (Subtracted)


32 2-Methylnaphthalene (Reference Spectrum)


Scan 1087 (13.120 min) of NT1422123068.D (% DIFFERENCE)


Ion 142.00


Ion 141.00

Data File: \\target\share\chem3\nt14.i\20221230C.b\NT1422123068.D

Date : 01-JAN-2023 00:42

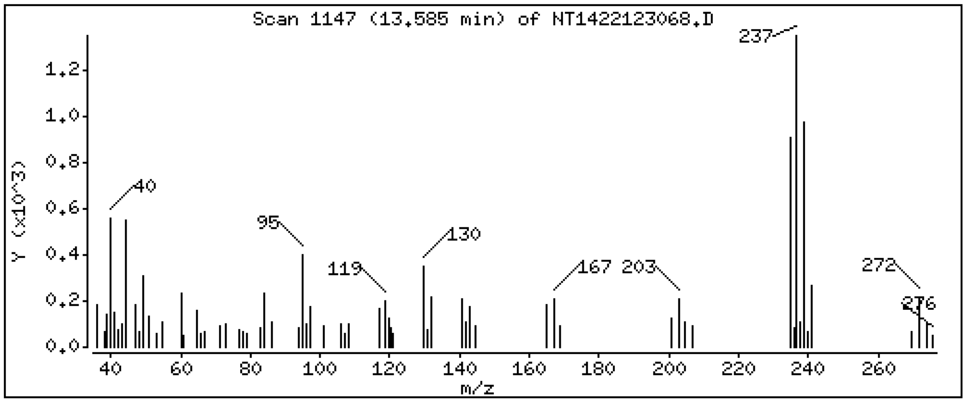
Client ID: Instrument: nt14.i

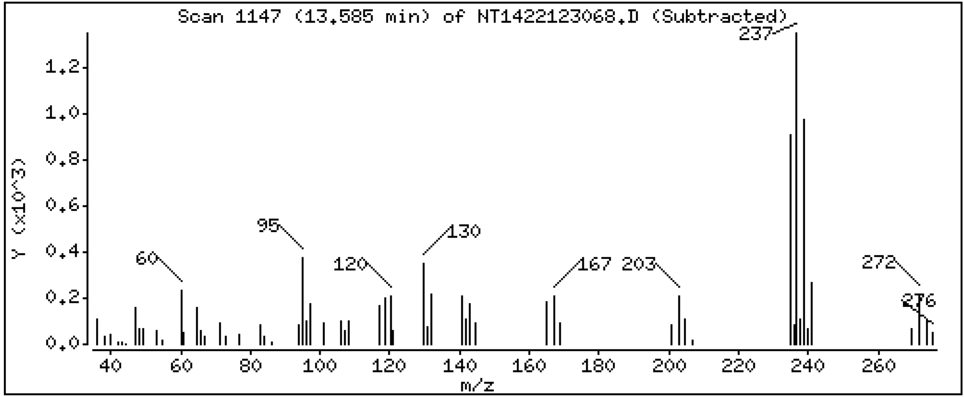
Sample Info: SKL0355-LCV4

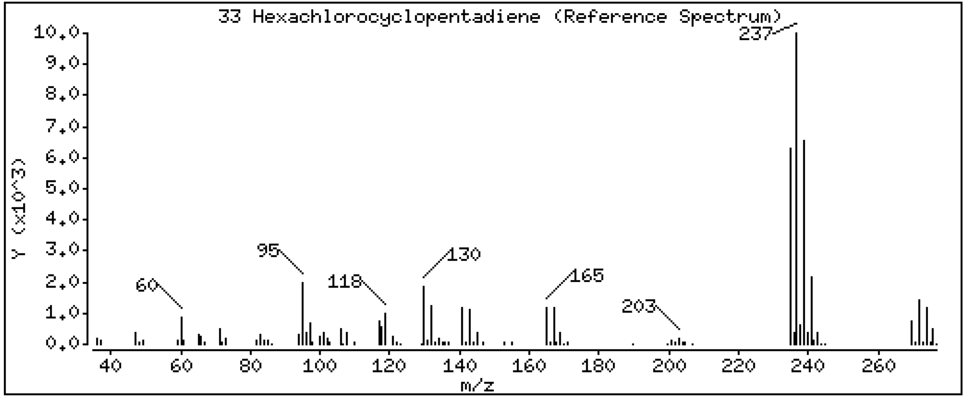
Operator: VTS

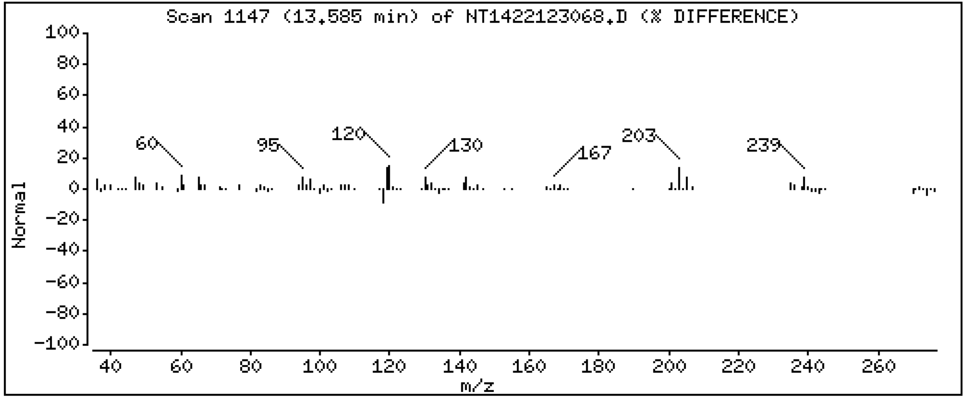
Column phase: ZB-5msi Column diameter: 0.25

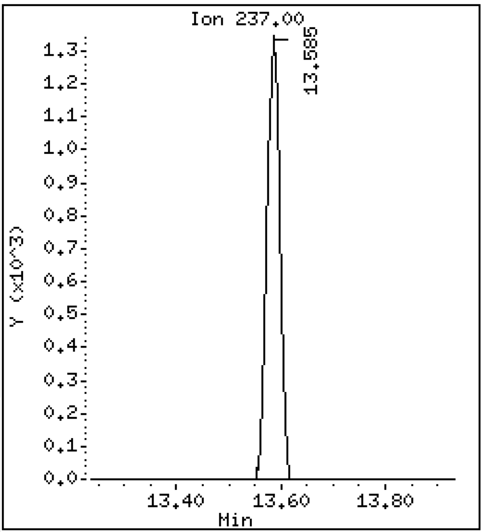
33 Hexachlorocyclopentadiene Concentration: 0.1373 ug/mL

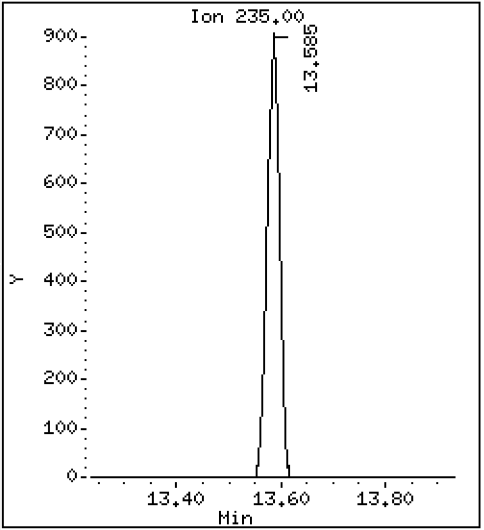

Scan 1147 (13.585 min) of NT1422123068.D

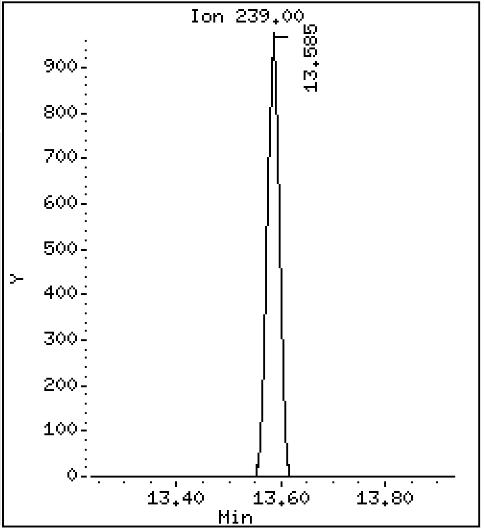

Scan 1147 (13.585 min) of NT1422123068.D (Subtracted)


33 Hexachlorocyclopentadiene (Reference Spectrum)


Scan 1147 (13.585 min) of NT1422123068.D (% DIFFERENCE)


Ion 237.00


Ion 235.00


Ion 239.00

Data File: \\target\share\chem3\nt14.i\20221230C.b\NT1422123068.D

Date : 01-JAN-2023 00:42

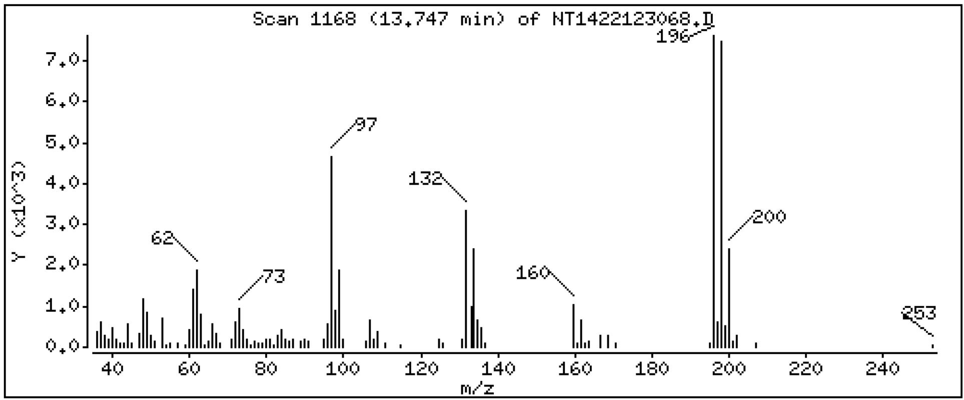
Client ID: Instrument: nt14.i

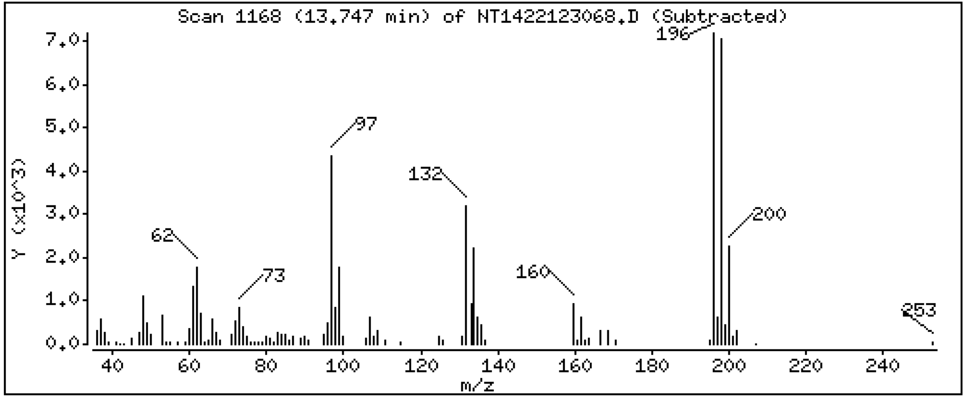
Sample Info: SKL0355-LCV4

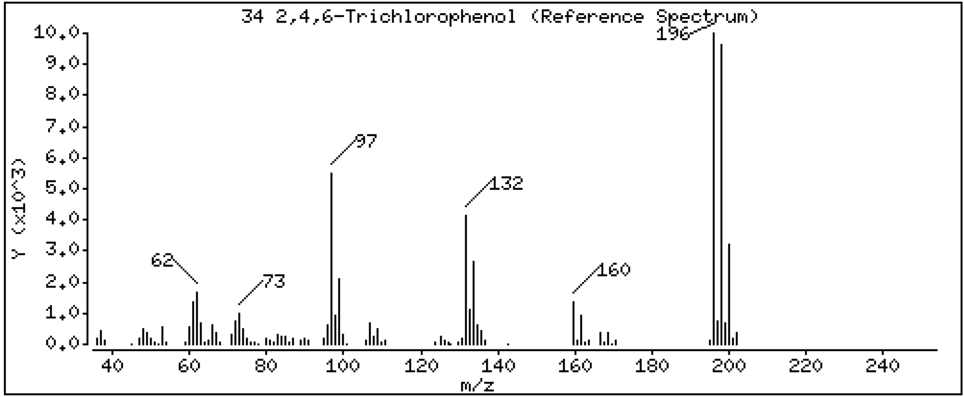
Operator: VTS

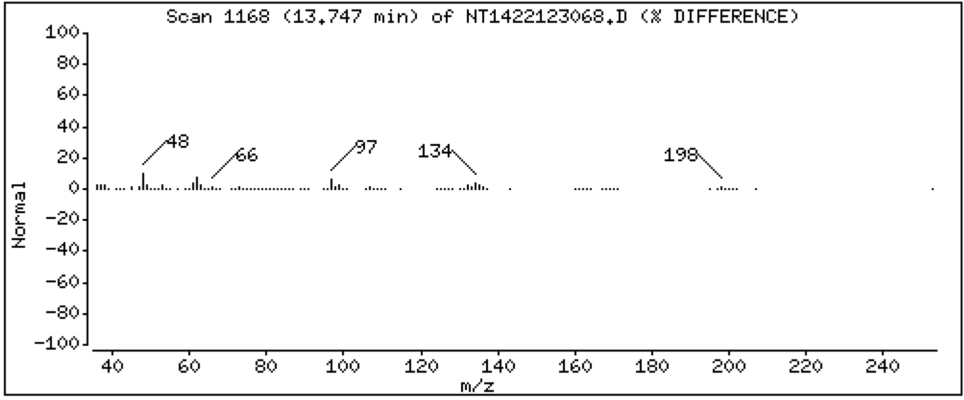
Column phase: ZB-5msi Column diameter: 0.25

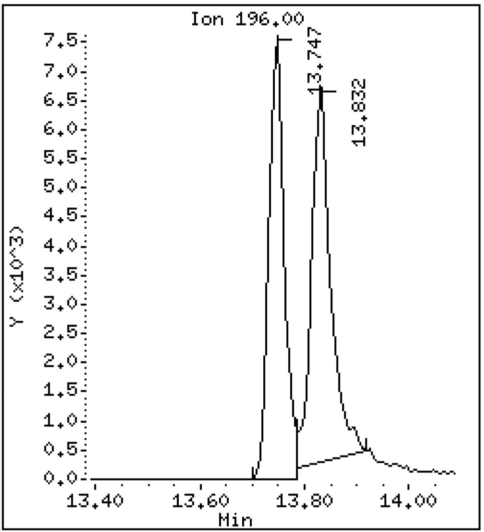
34 2,4,6-Trichlorophenol Concentration: 0.8738 ug/mL

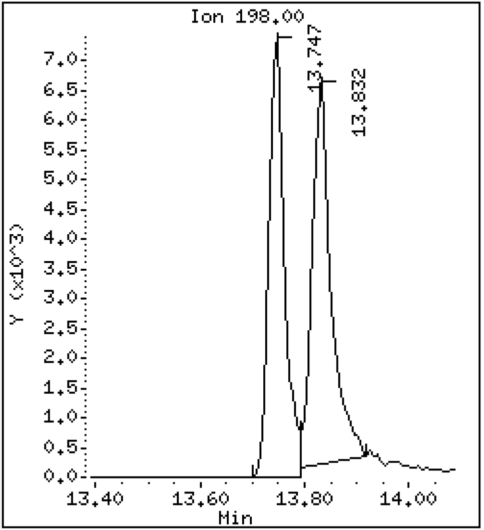


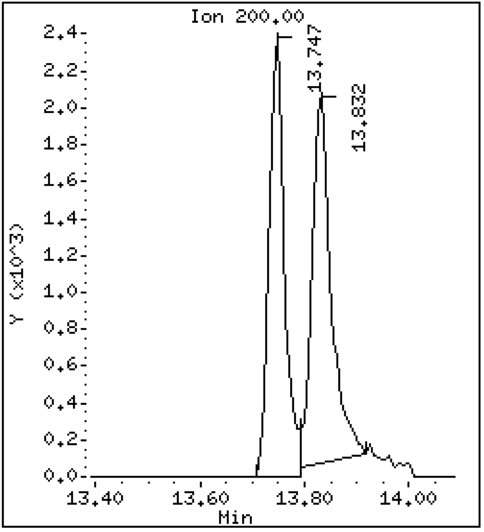












Data File: \\target\share\chem3\nt14.i\20221230C.b\NT1422123068.D

Date : 01-JAN-2023 00:42

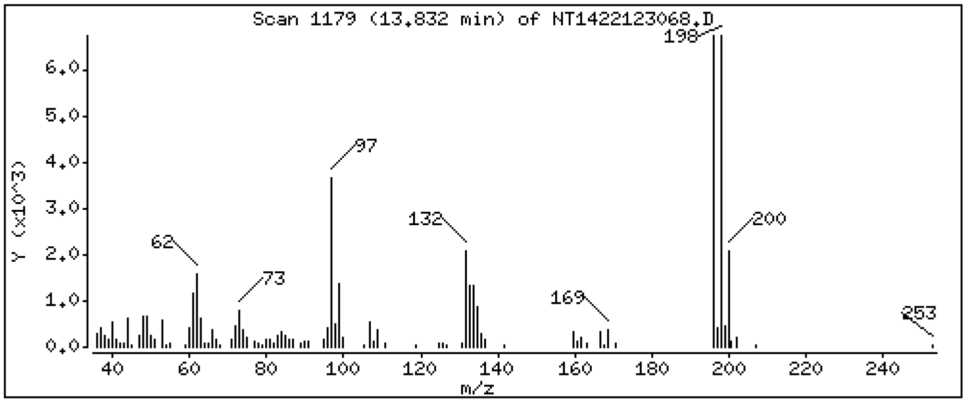
Client ID: Instrument: nt14.i

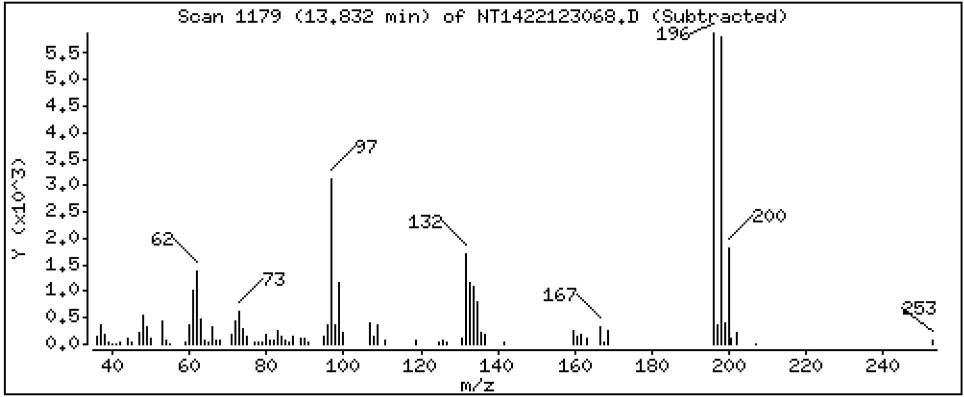
Sample Info: SKL0355-LCV4

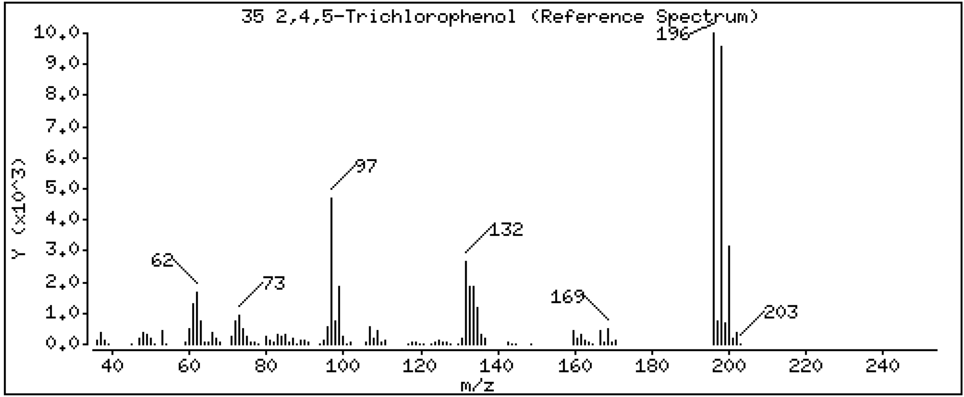
Operator: VTS

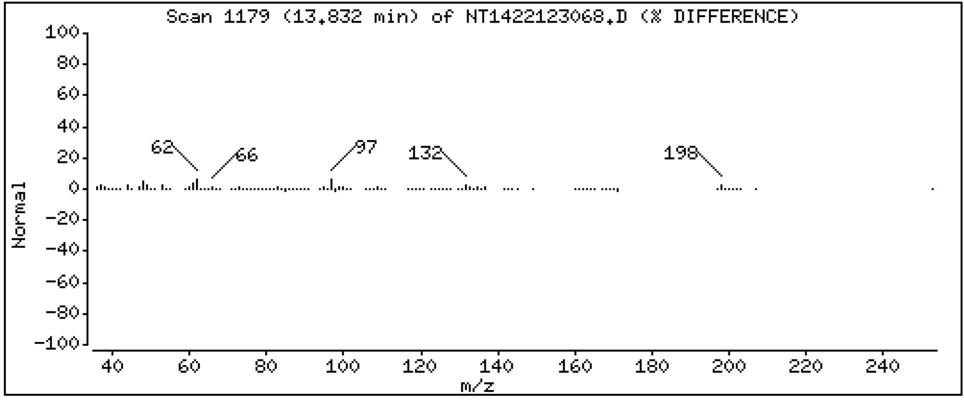
Column phase: ZB-5msi Column diameter: 0.25

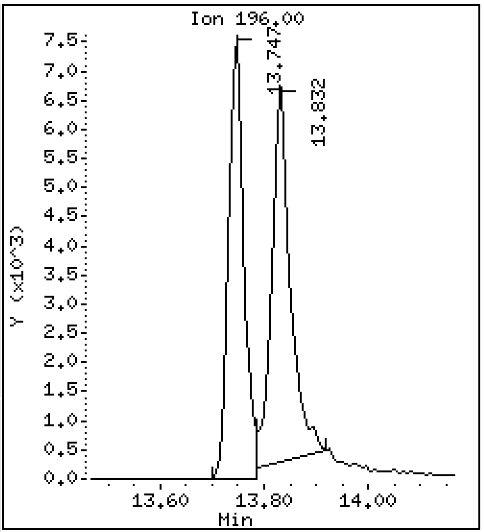
35 2,4,5-Trichlorophenol Concentration: 0.8019 ug/mL

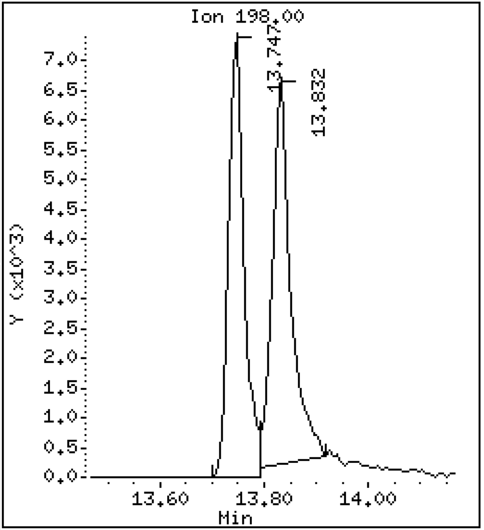


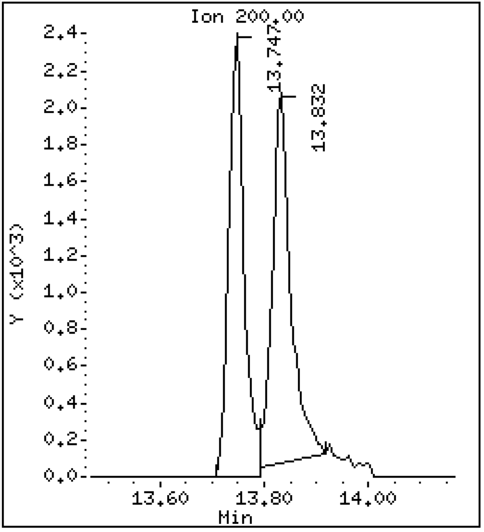












Data File: \\target\share\chem3\nt14.i\20221230C.b\NT1422123068.D

Date : 01-JAN-2023 00:42

Client ID:

Instrument: nt14.i

Sample Info: SKL0355-LCV4

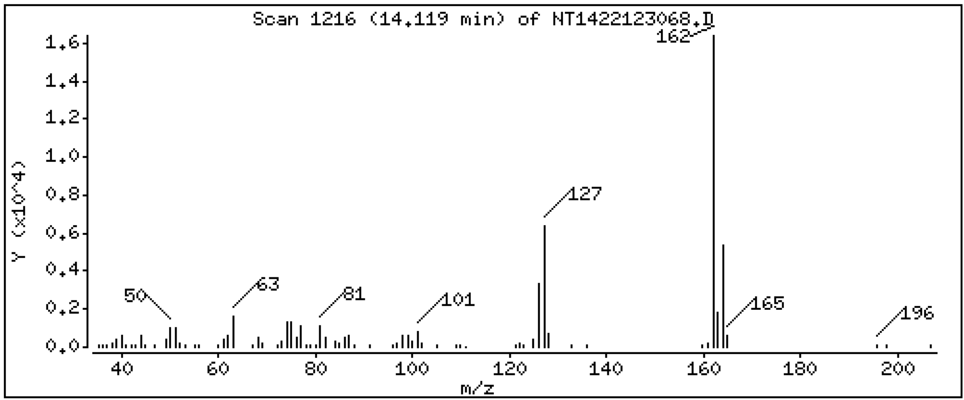
Operator: VTS

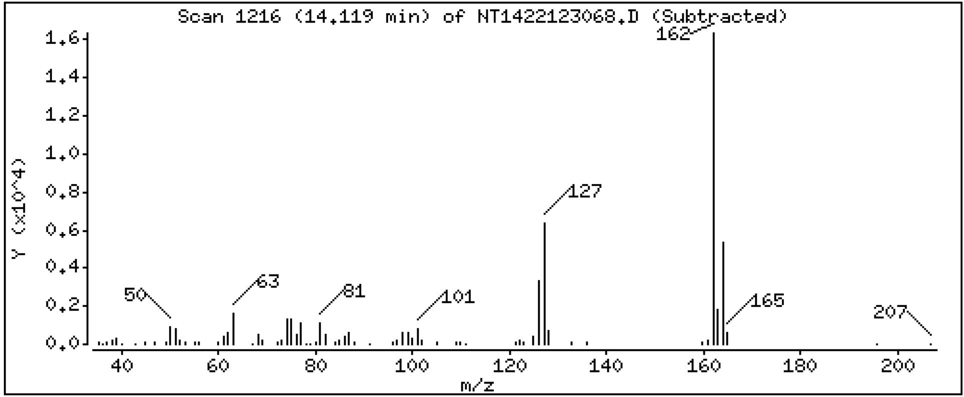
Column phase: ZB-5msi

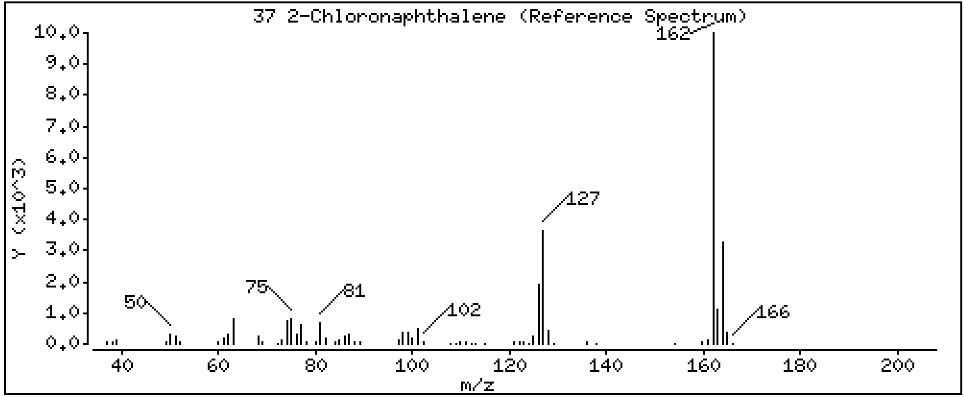
Column diameter: 0.25

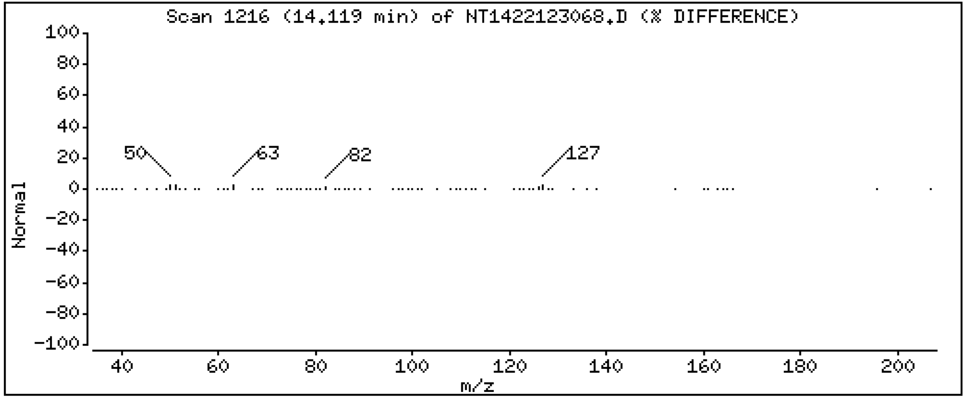
37 2-Chloronaphthalene

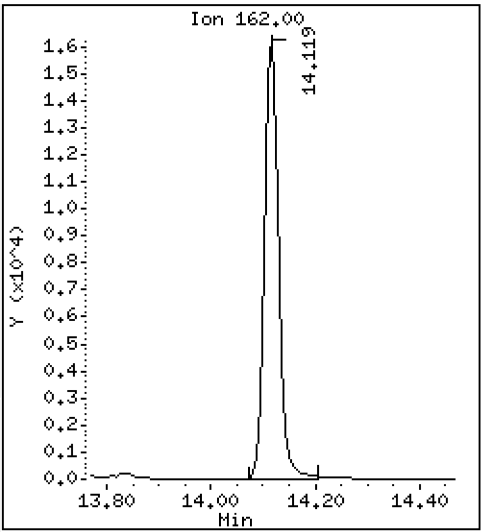
Concentration: 0.4809 ug/mL

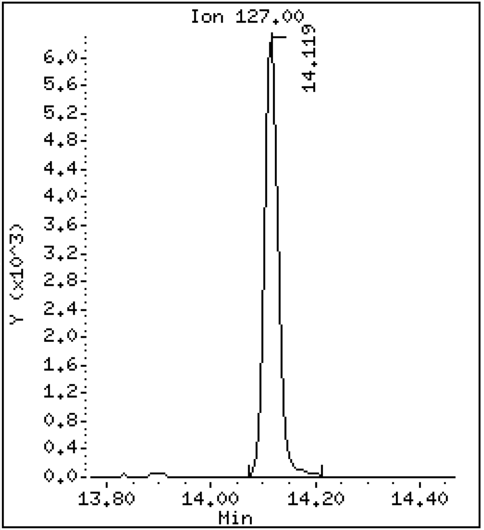

Scan 1216 (14.119 min) of NT1422123068.D

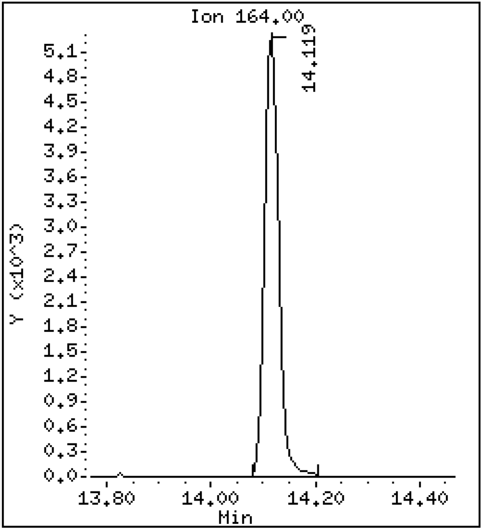

Scan 1216 (14.119 min) of NT1422123068.D (Subtracted)


37 2-Chloronaphthalene (Reference Spectrum)


Scan 1216 (14.119 min) of NT1422123068.D (% DIFFERENCE)


Ion 162.00


Ion 127.00


Ion 164.00

Data File: \\target\share\chem3\nt14.i\20221230C.b\NT1422123068.D

Date : 01-JAN-2023 00:42

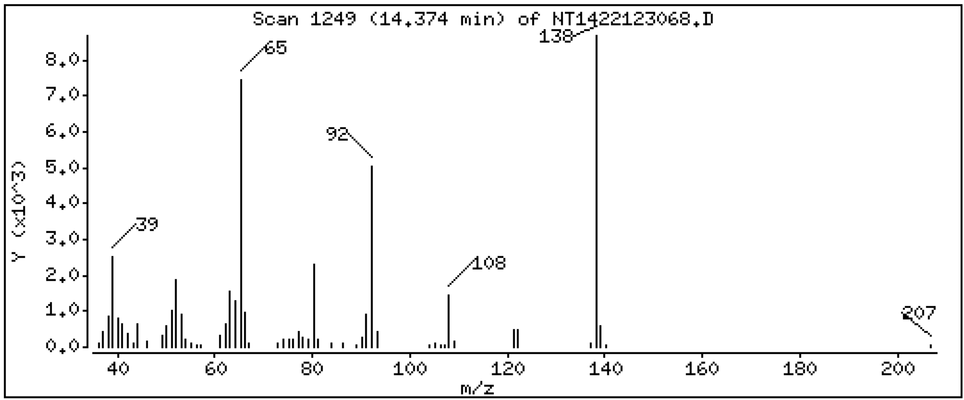
Client ID: Instrument: nt14.i

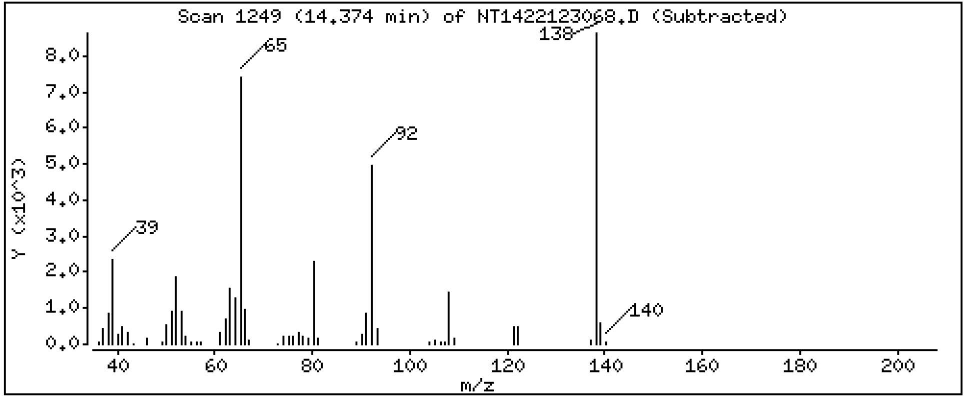
Sample Info: SKL0355-LCV4

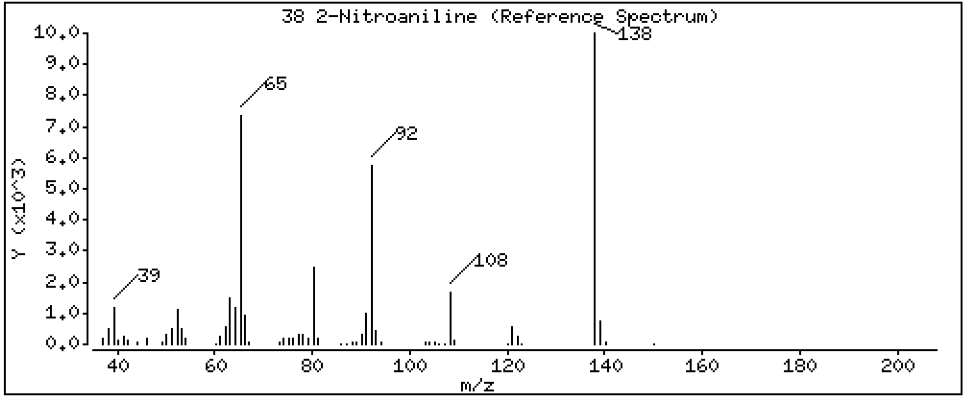
Operator: VTS

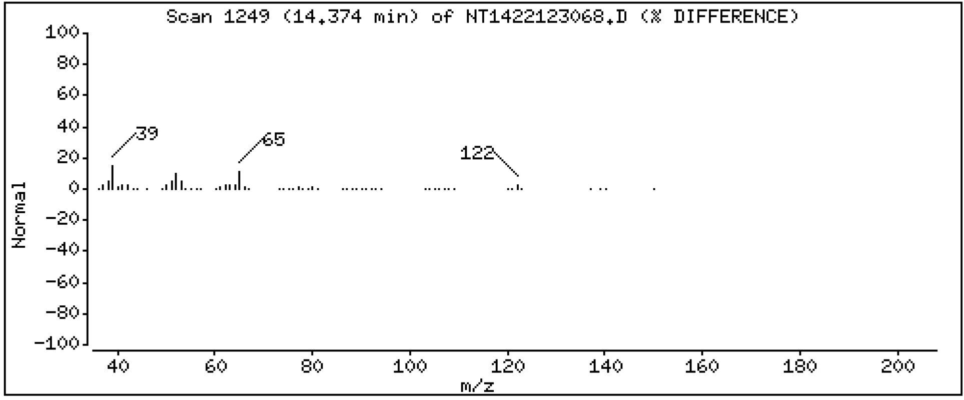
Column phase: ZB-5msi Column diameter: 0.25

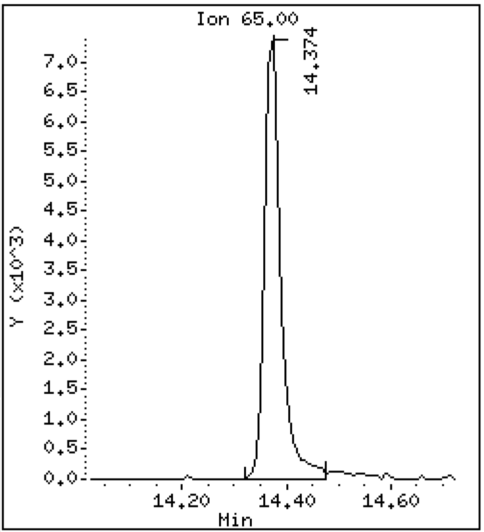
38 2-Nitroaniline Concentration: 0.9872 ug/mL

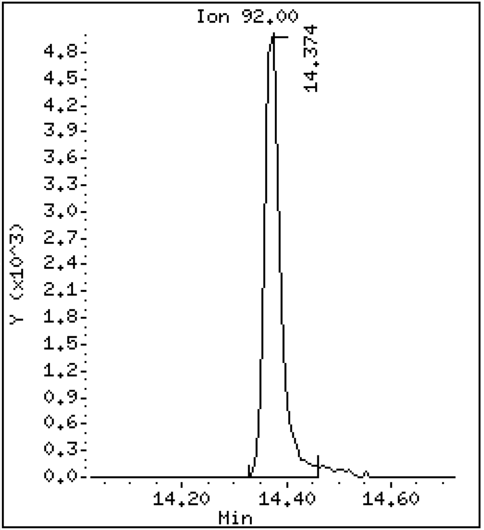

Scan 1249 (14.374 min) of NT1422123068.D

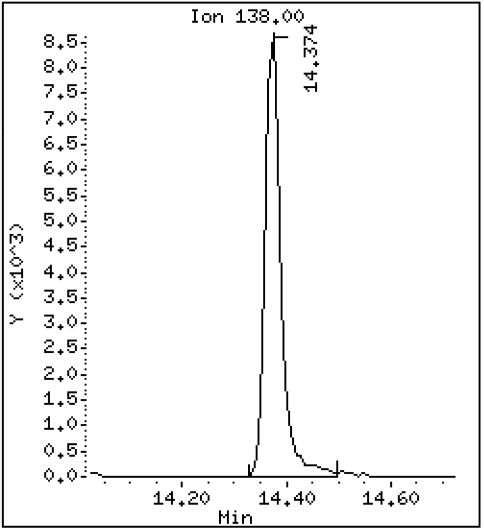

Scan 1249 (14.374 min) of NT1422123068.D (Subtracted)


38 2-Nitroaniline (Reference Spectrum)


Scan 1249 (14.374 min) of NT1422123068.D (% DIFFERENCE)


Ion 65.00


Ion 92.00


Ion 138.00

Data File: \\target\share\chem3\nt14.i\20221230C.b\NT1422123068.D

Date : 01-JAN-2023 00:42

Client ID:

Instrument: nt14.i

Sample Info: SKL0355-LCV4

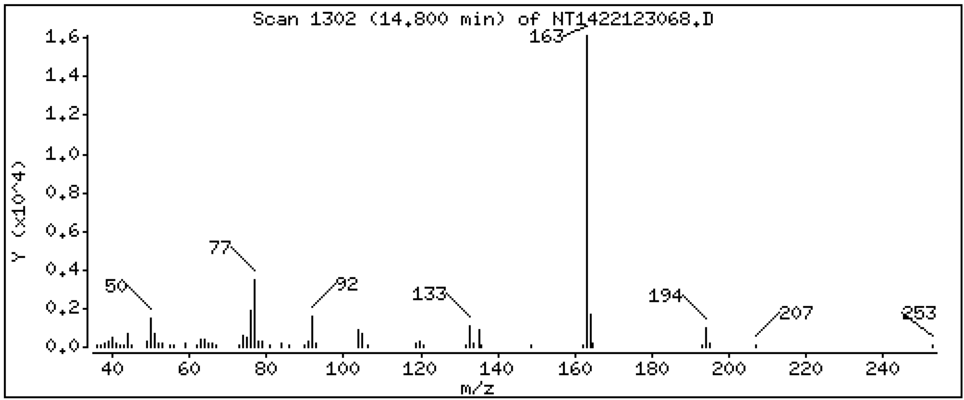
Operator: VTS

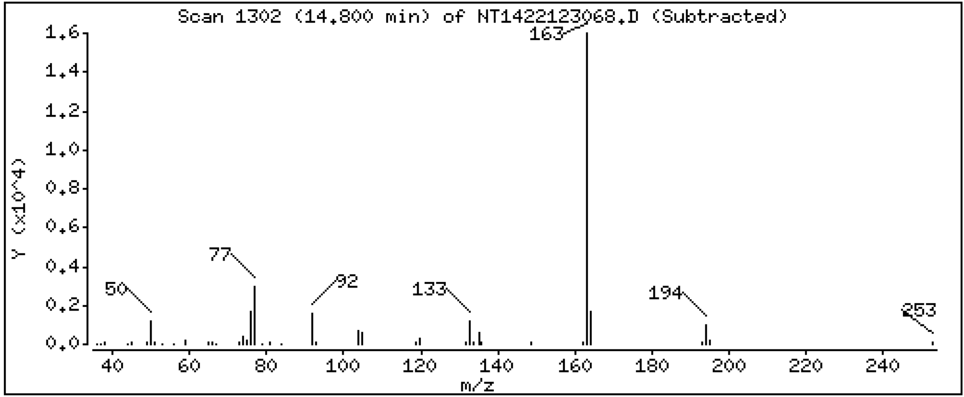
Column phase: ZB-5msi

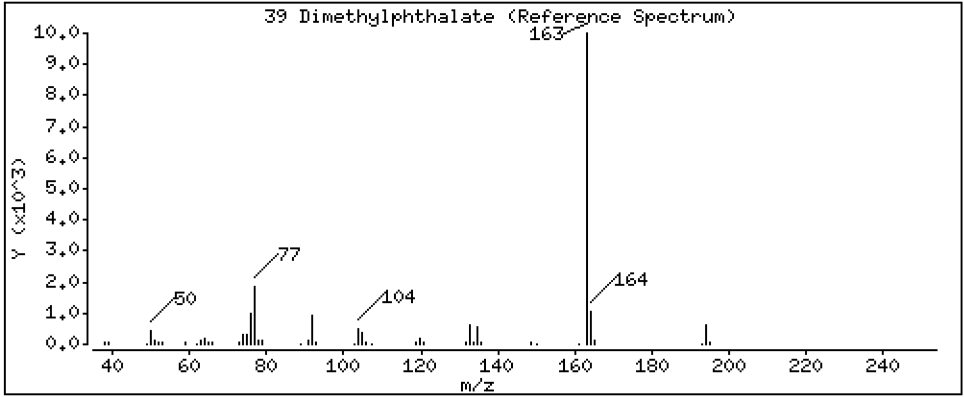
Column diameter: 0.25

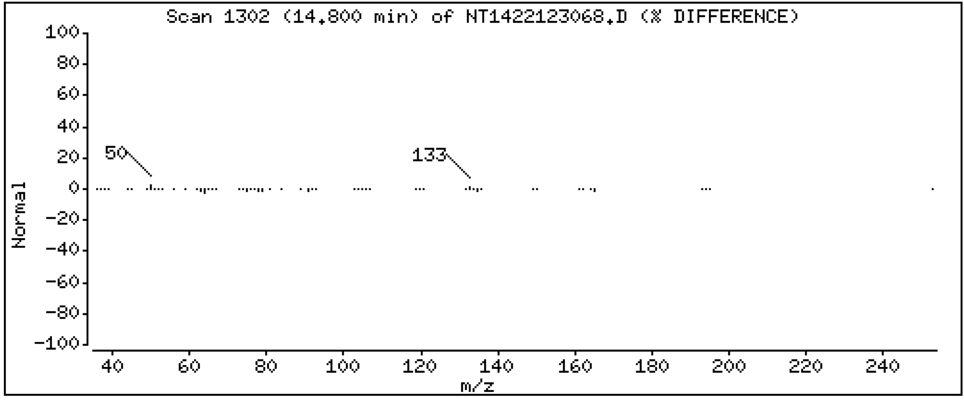
39 Dimethylphthalate

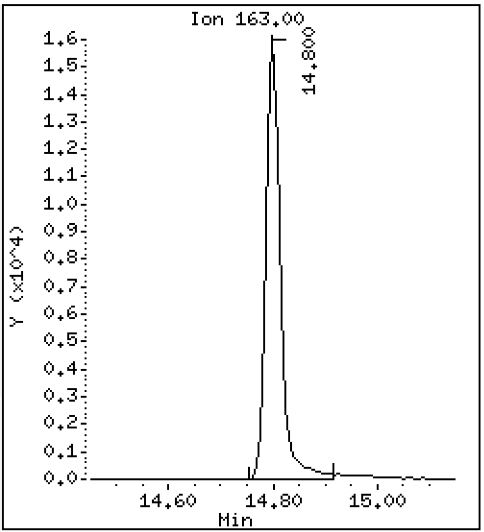
Concentration: 0.4956 ug/mL

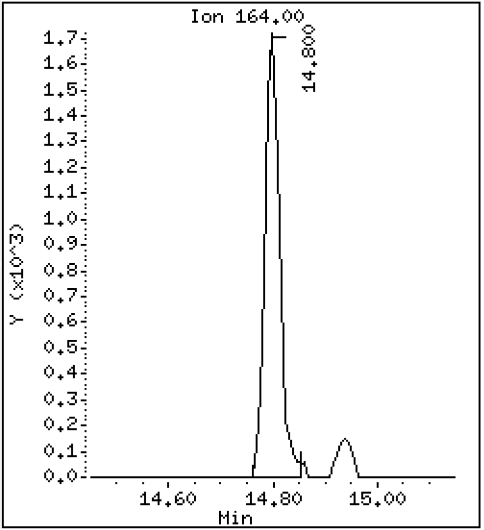

Scan 1302 (14.800 min) of NT1422123068.D


Scan 1302 (14.800 min) of NT1422123068.D (Subtracted)


39 Dimethylphthalate (Reference Spectrum)


Scan 1302 (14.800 min) of NT1422123068.D (% DIFFERENCE)


Ion 163.00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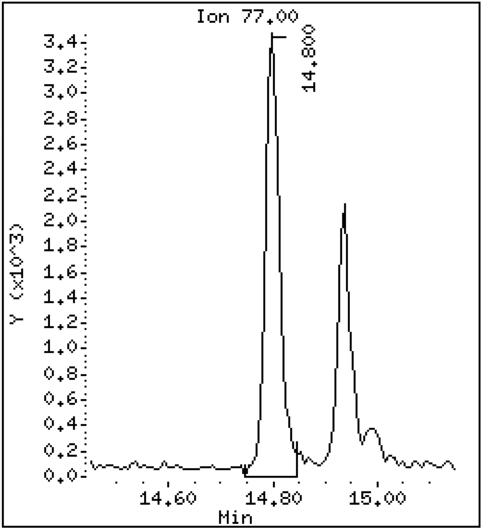

Ion 77.00

Data File: \\target\share\chem3\nt14.i\20221230C.b\NT1422123068.D

Date : 01-JAN-2023 00:42

Client ID:

Instrument: nt14.i

Sample Info: SKL0355-LCV4

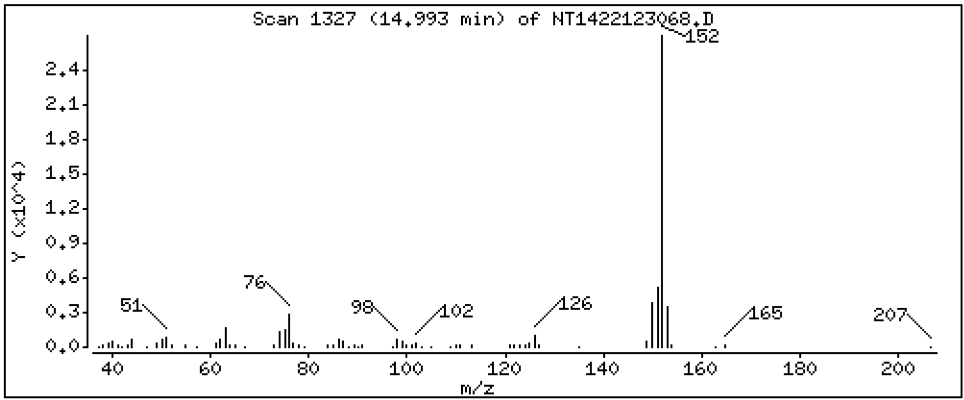
Operator: VTS

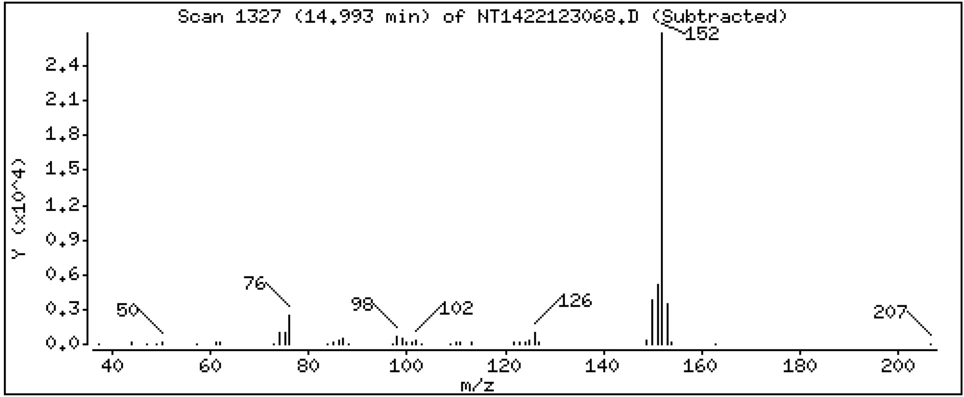
Column phase: ZB-5msi

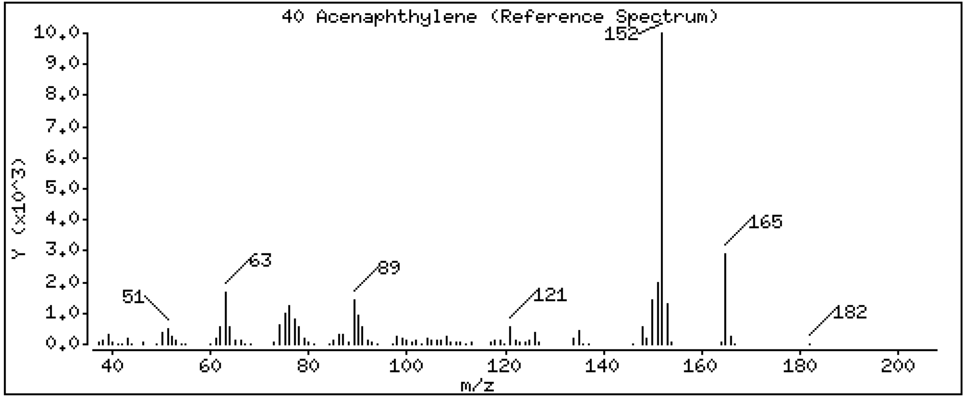
Column diameter: 0.25

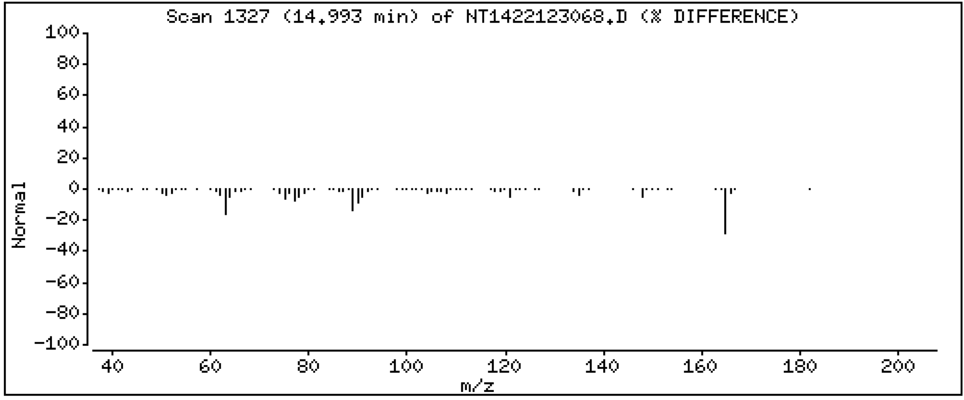
40 Acenaphthylene

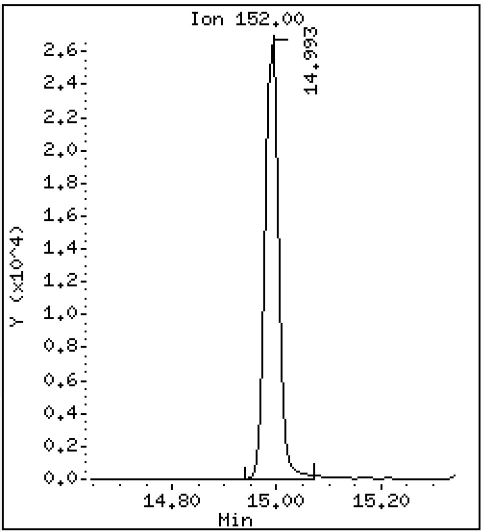
Concentration: 0.4979 ug/mL

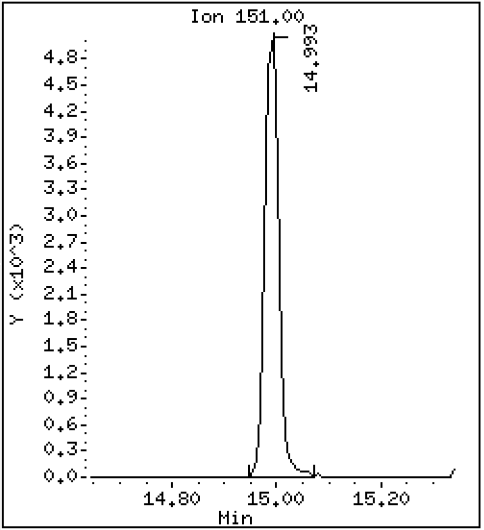

Scan 1327 (14.993 min) of NT1422123068.D


Scan 1327 (14.993 min) of NT1422123068.D (Subtracted)


40 Acenaphthylene (Reference Spectrum)


Scan 1327 (14.993 min) of NT1422123068.D (% DIFFERENCE)


Ion 152.00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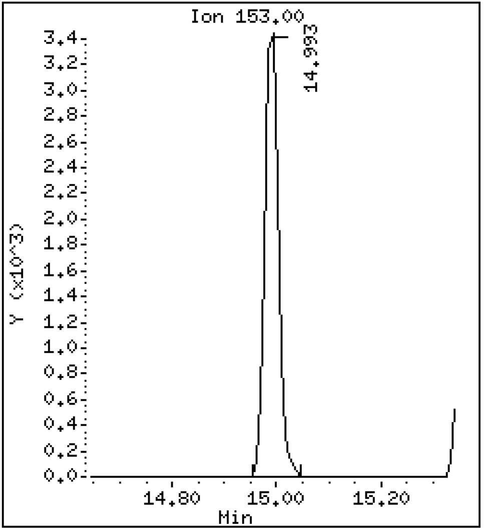

Ion 153.00

Data File: \\target\share\chem3\nt14.i\20221230C.b\NT1422123068.D

Date : 01-JAN-2023 00:42

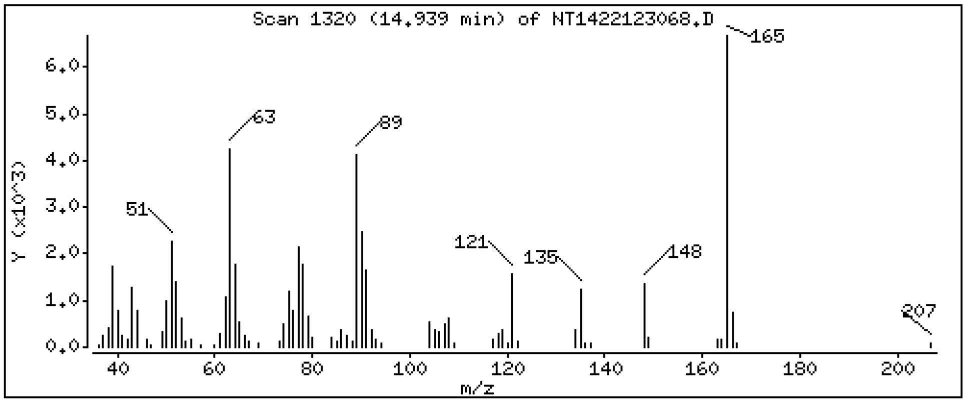
Client ID: Instrument: nt14.i

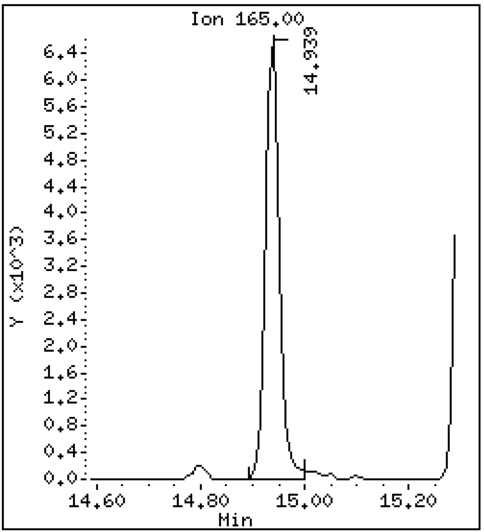
Sample Info: SKL0355-LCV4

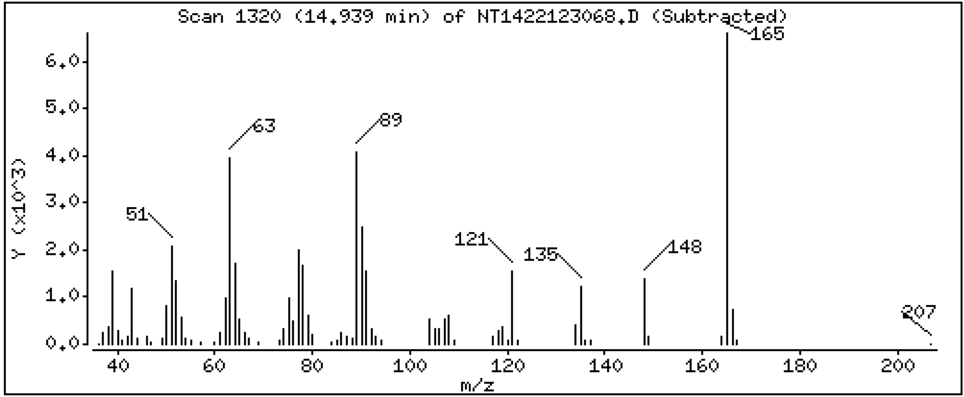
Operator: VTS

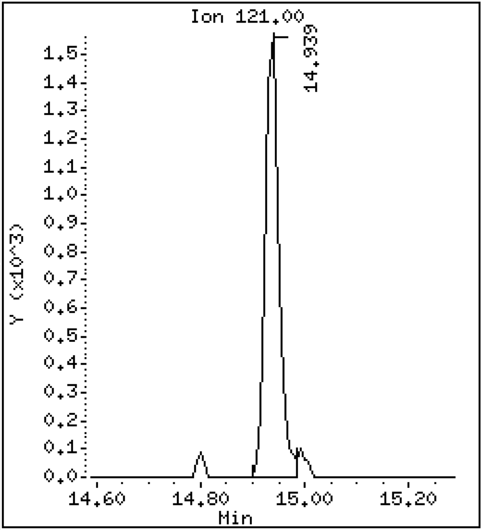
Column phase: ZB-5msi Column diameter: 0.25

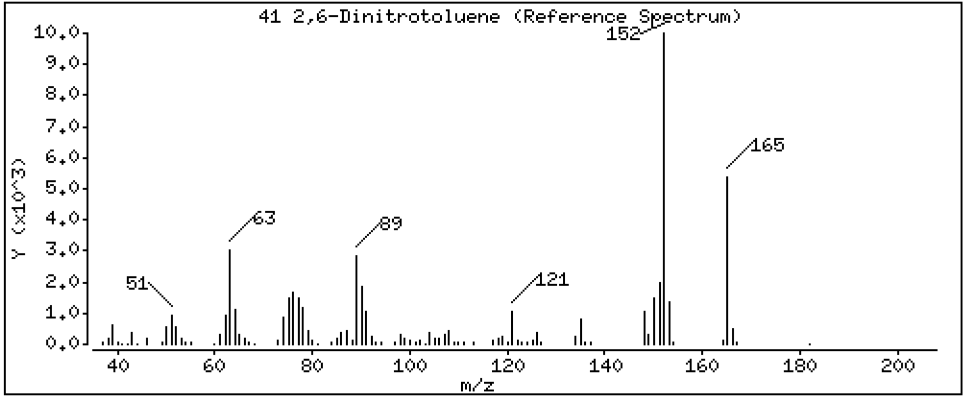
41 2,6-Dinitrotoluene Concentration: 0.8726 ug/mL

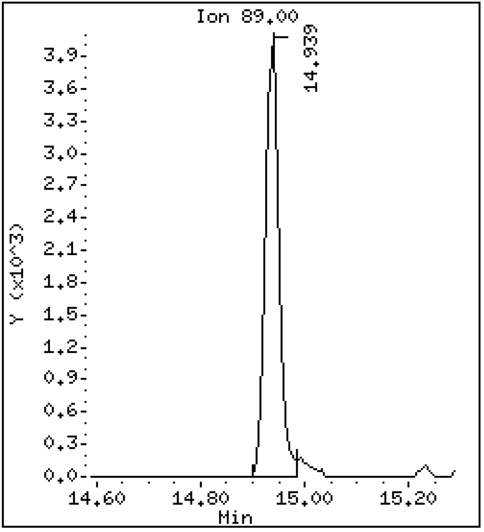


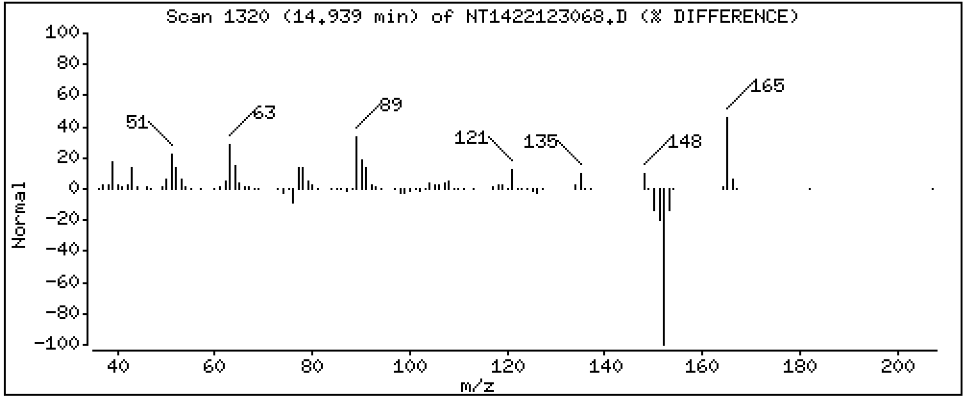












Data File: \\target\share\chem3\nt14.i\20221230C.b\NT1422123068.D

Date : 01-JAN-2023 00:42

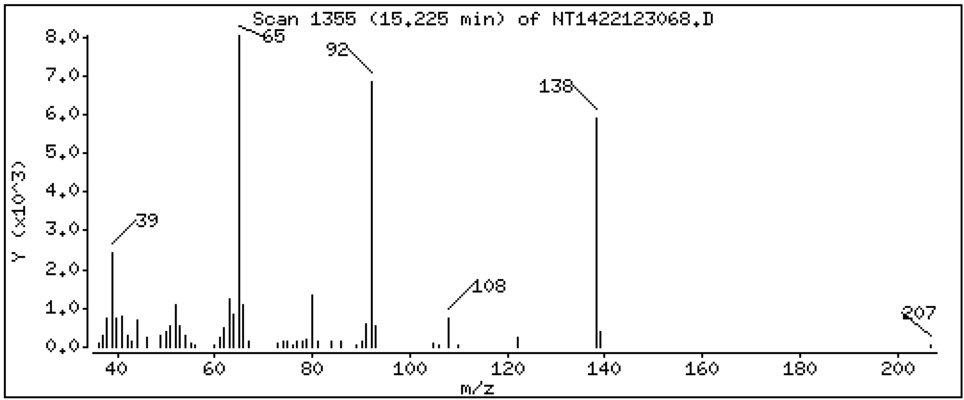
Client ID: Instrument: nt14.i

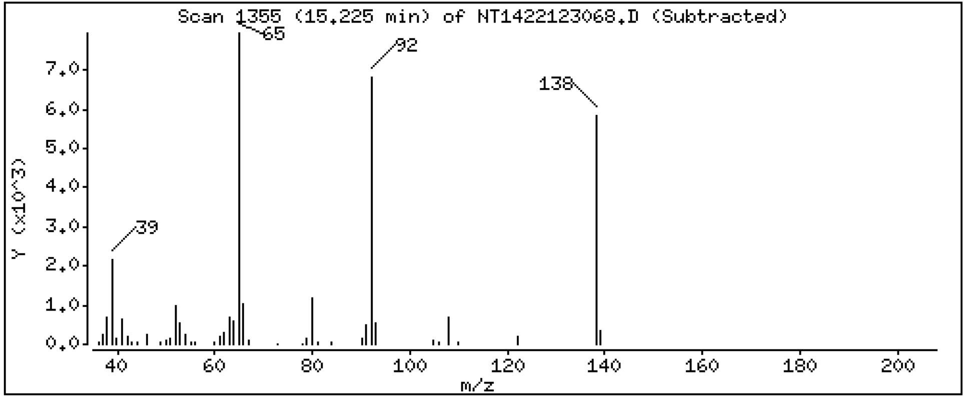
Sample Info: SKL0355-LCV4

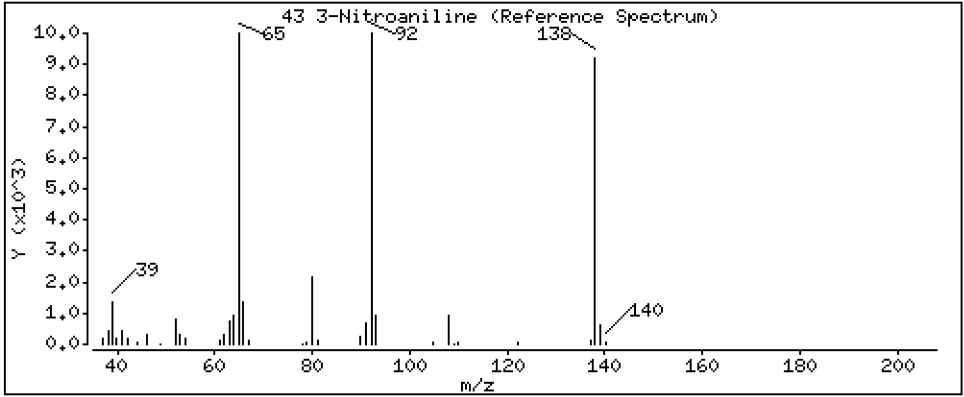
Operator: VTS

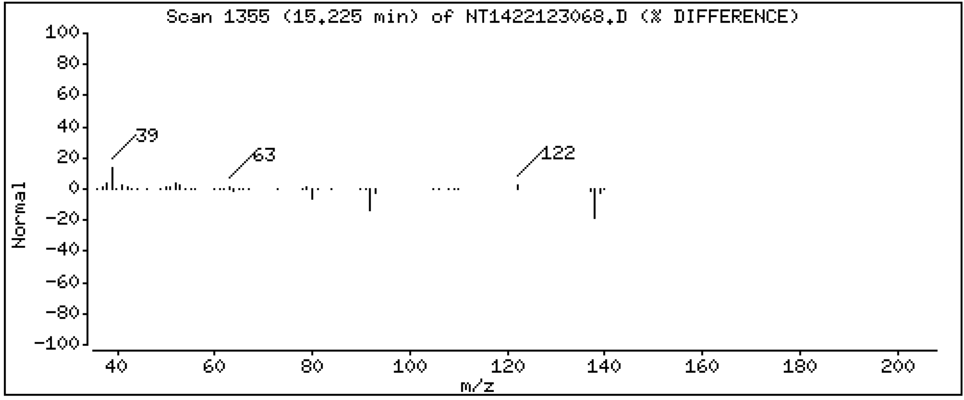
Column phase: ZB-5msi Column diameter: 0.25

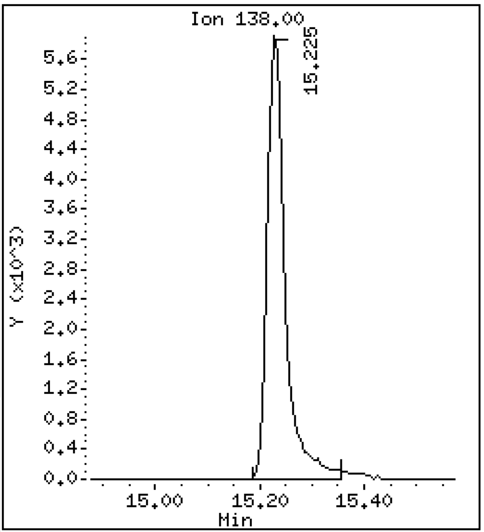
43 3-Nitroaniline Concentration: 0.8487 ug/mL

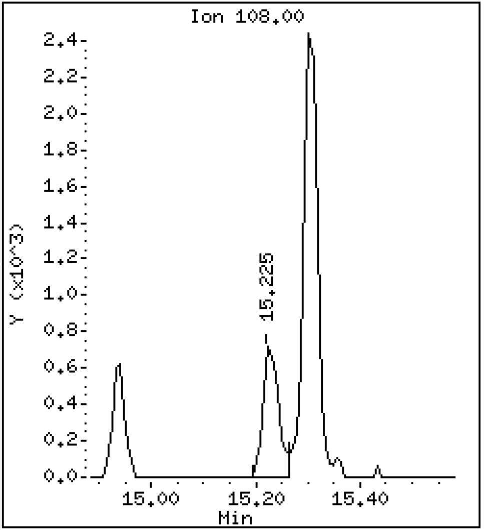


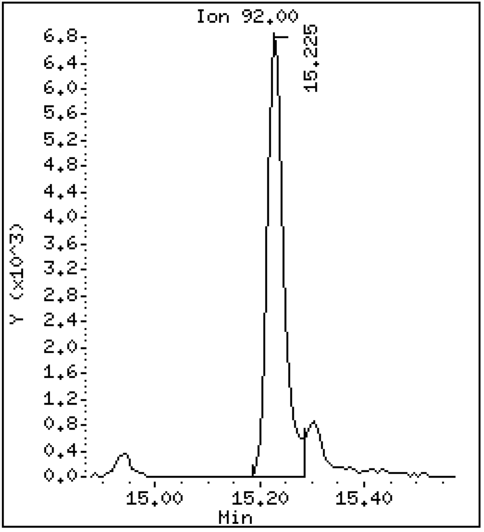












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Date : 01-JAN-2023 00:42

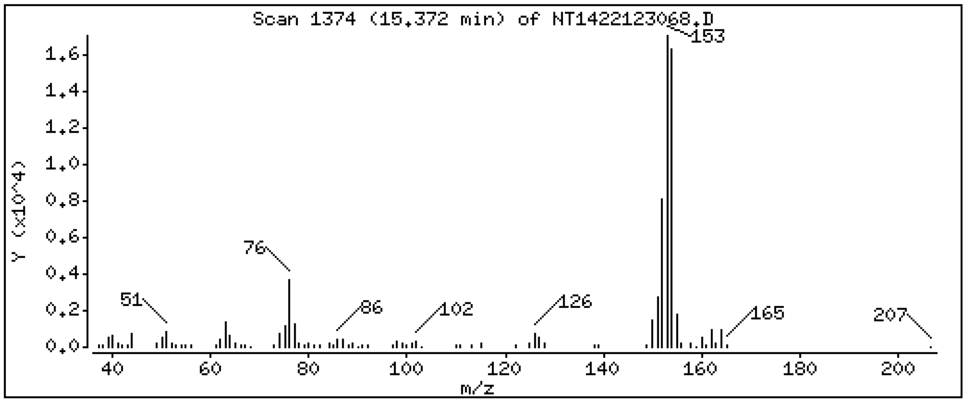
Client ID: Instrument: nt14.i

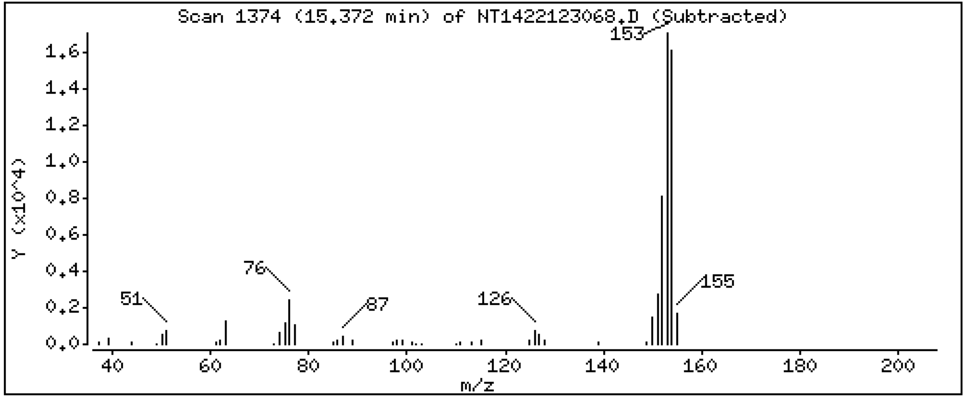
Sample Info: SKL0355-LCV4

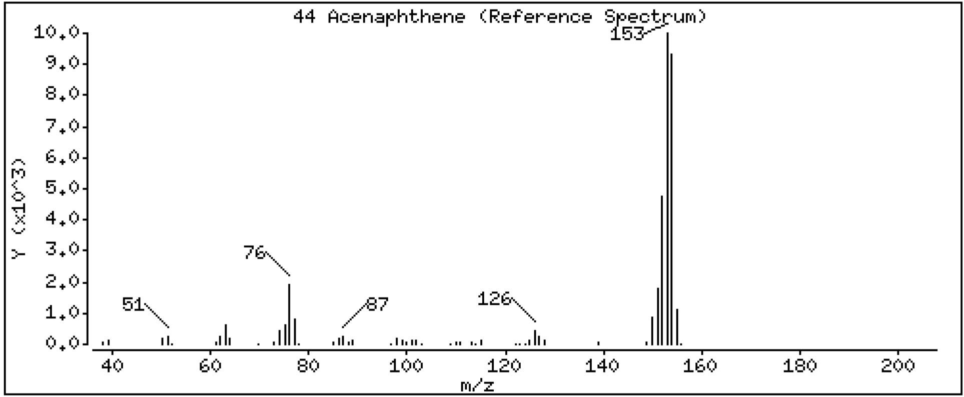
Operator: VTS

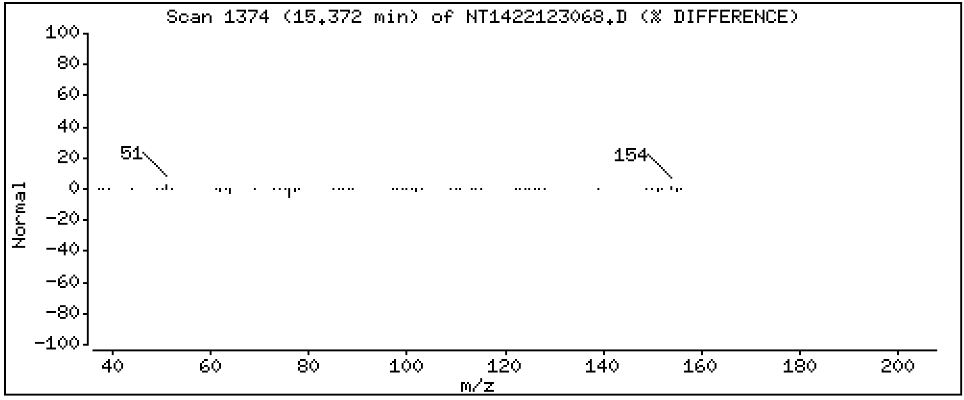
Column phase: ZB-5msi Column diameter: 0.25

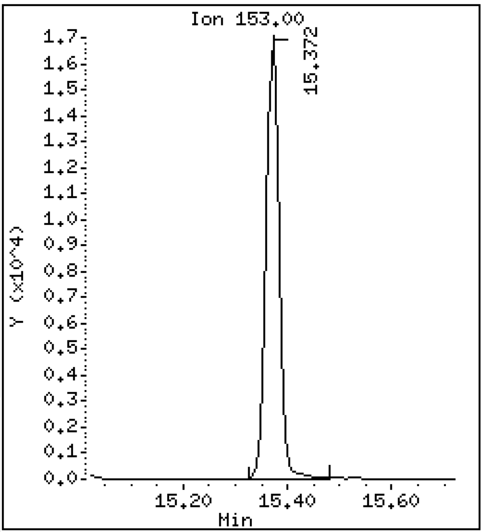
44 Acenaphthene Concentration: 0.4955 ug/mL

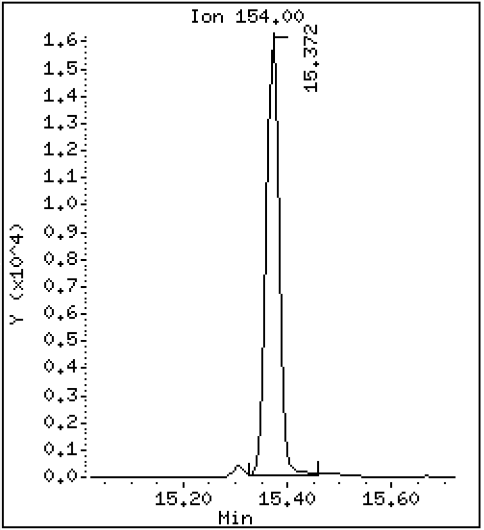

Scan 1374 (15.372 min) of NT1422123068.D

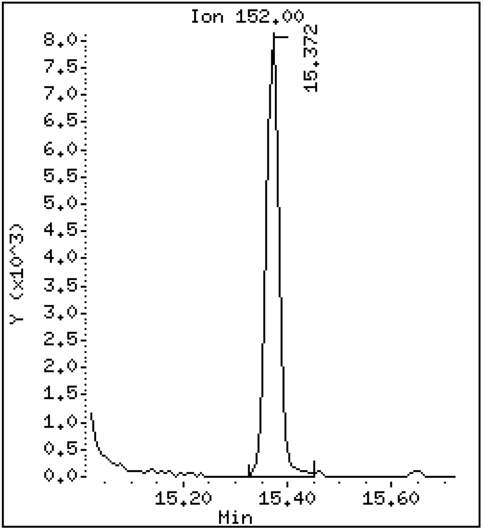

Scan 1374 (15.372 min) of NT1422123068.D (Subtracted)


44 Acenaphthene (Reference Spectrum)


Scan 1374 (15.372 min) of NT1422123068.D (% DIFFERENCE)


Ion 153.00


Ion 154.00


Ion 152.00

Data File: \\target\share\chem3\nt14.i\20221230C.b\NT1422123068.D

Date : 01-JAN-2023 00:42

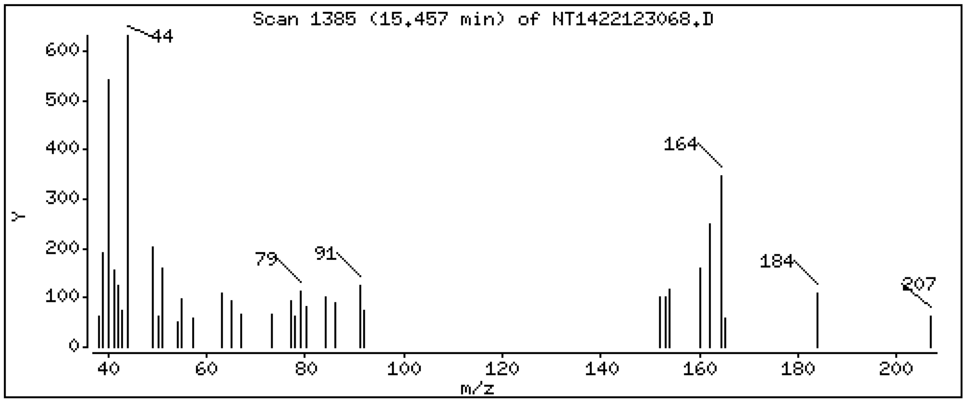
Client ID: Instrument: nt14.i

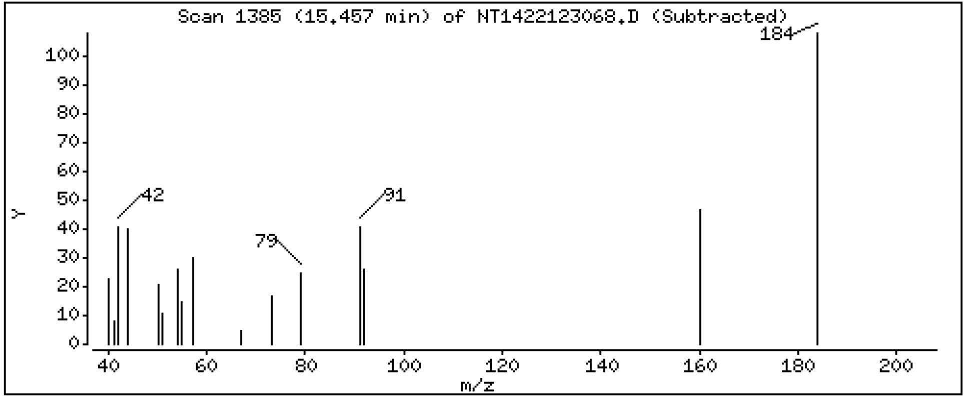
Sample Info: SKL0355-LCV4

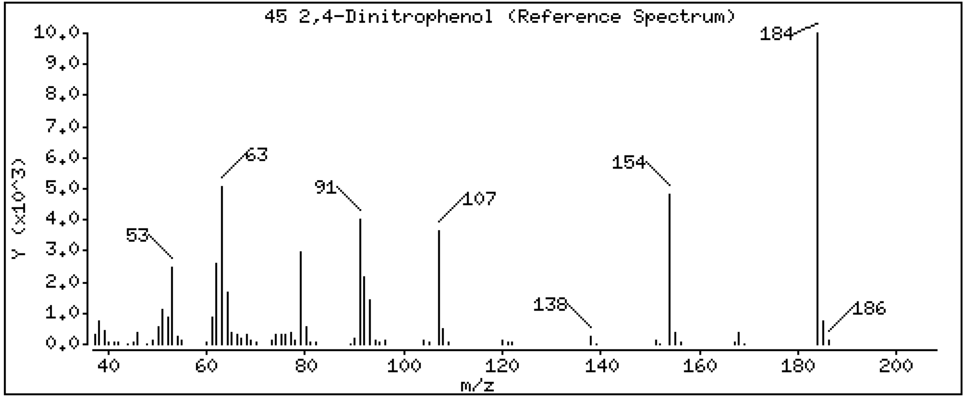
Operator: VTS

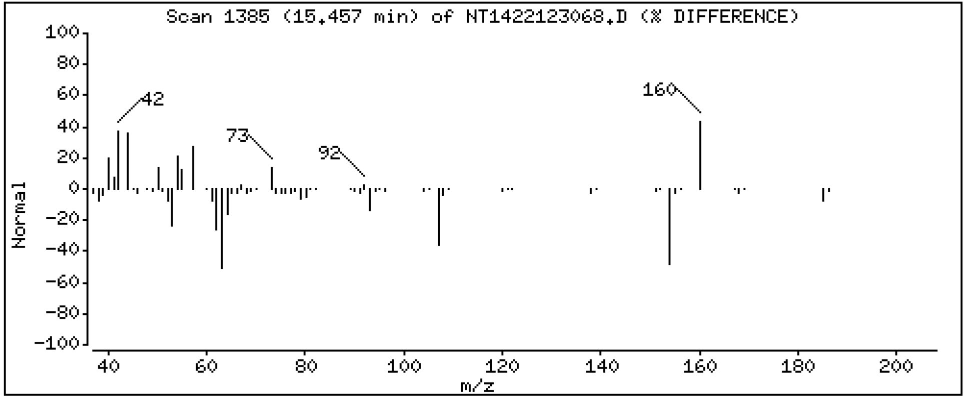
Column phase: ZB-5msi Column diameter: 0.25

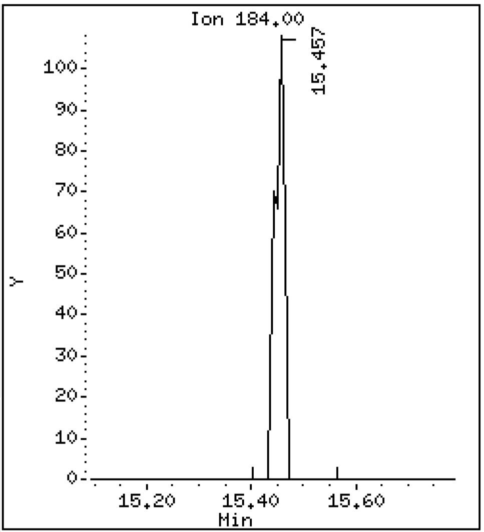
45 2,4-Dinitrophenol Concentration: 0.01232 ug/mL

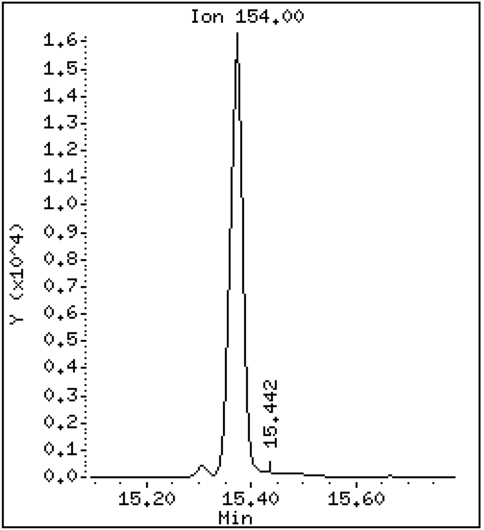


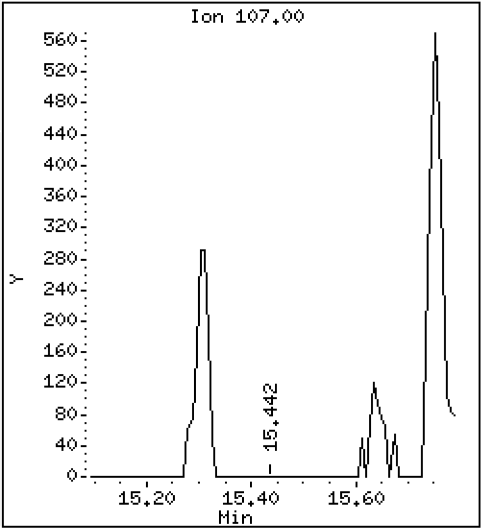












Data File: \\target\share\chem3\nt14.i\20221230C.b\NT1422123068.D

Date : 01-JAN-2023 00:42

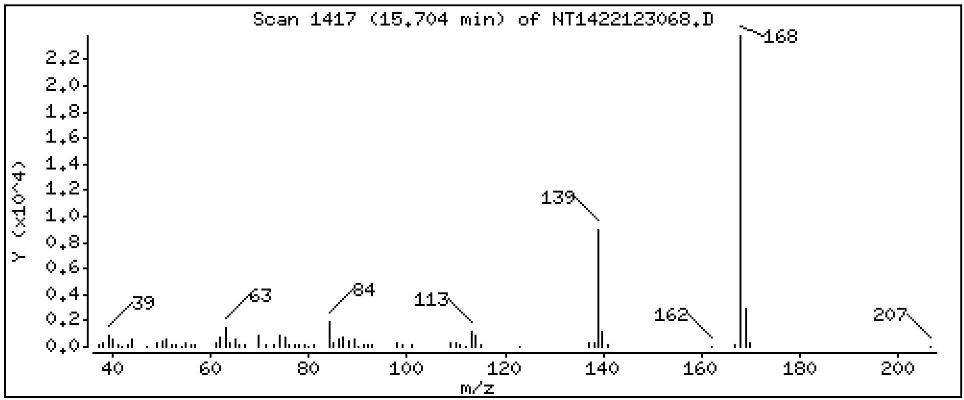
Client ID: Instrument: nt14.i

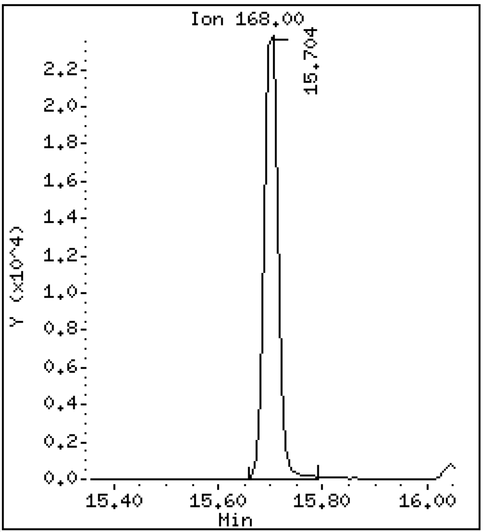
Sample Info: SKL0355-LCV4

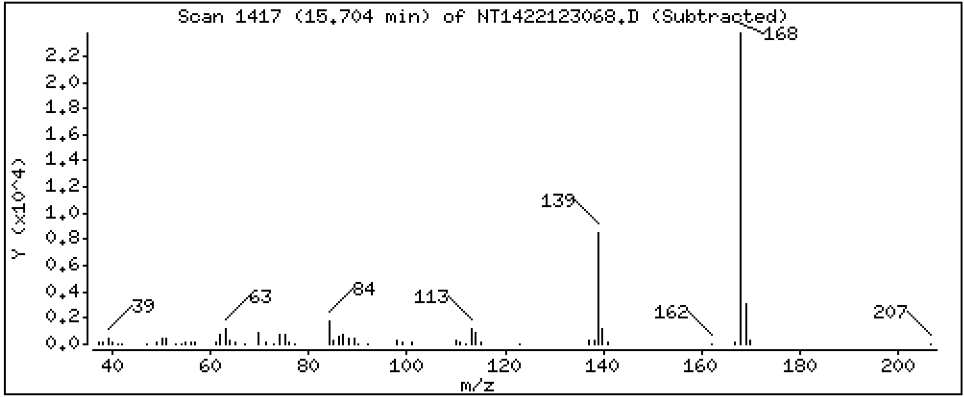
Operator: VTS

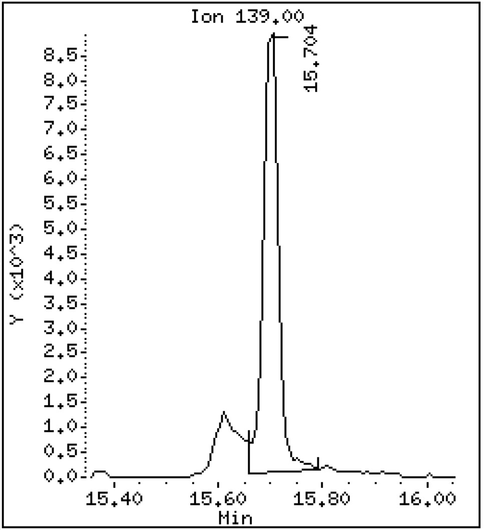
Column phase: ZB-5msi Column diameter: 0.25

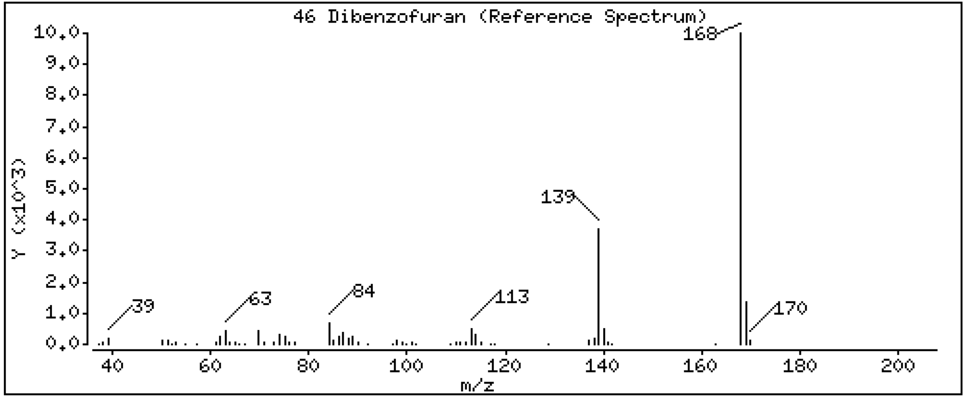
46 Dibenzofuran Concentration: 0.4928 ug/mL

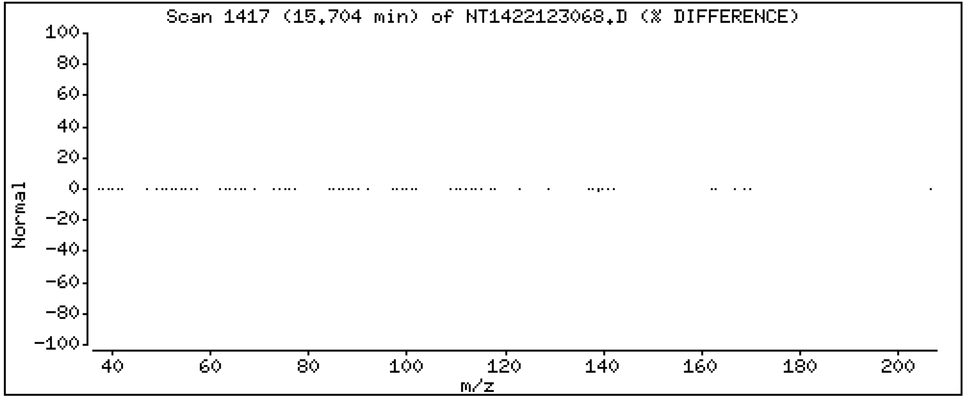

Scan 1417 (15.704 min) of NT1422123068.D

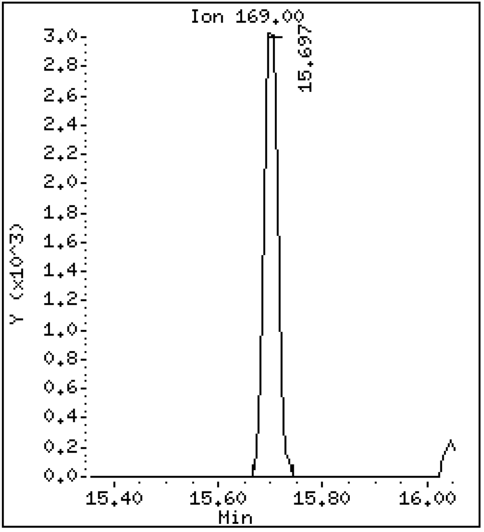

Ion 168.00


Scan 1417 (15.704 min) of NT1422123068.D (Subtracted)


Ion 139.00


46 Dibenzofuran (Reference Spectrum)


Scan 1417 (15.704 min) of NT1422123068.D (% DIFFERENCE)


Ion 169.00

Data File: \\target\share\chem3\nt14.i\20221230C.b\NT1422123068.D

Date : 01-JAN-2023 00:42

Client ID:

Instrument: nt14.i

Sample Info: SKL0355-LCV4

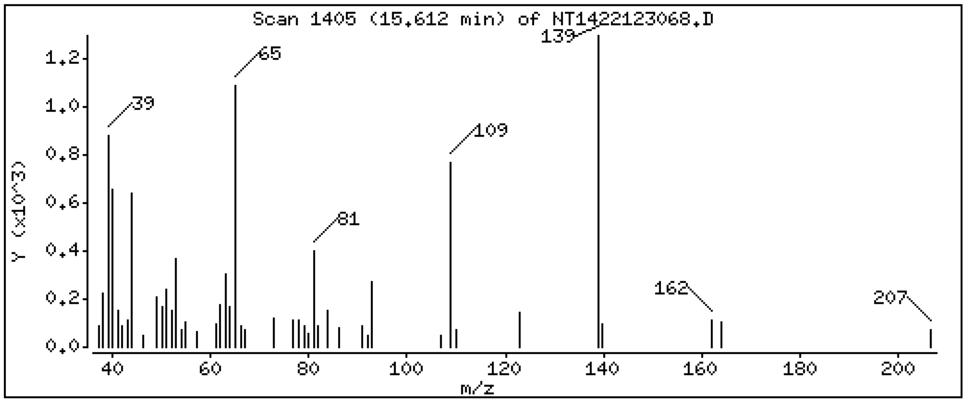
Operator: VTS

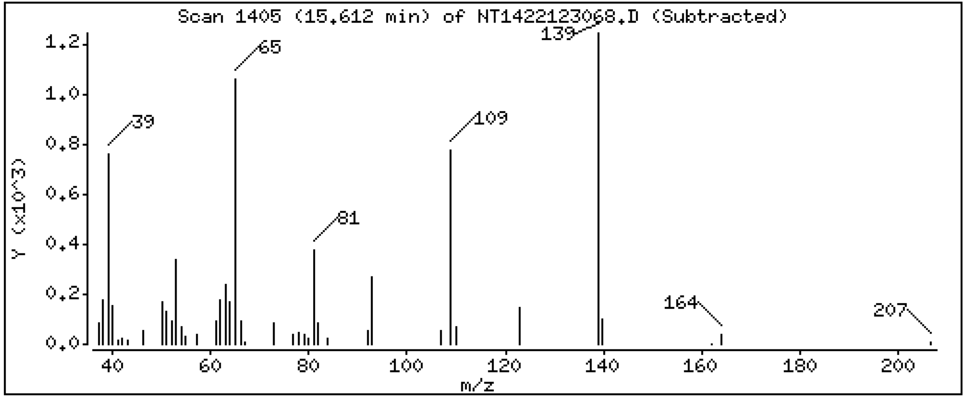
Column phase: ZB-5msi

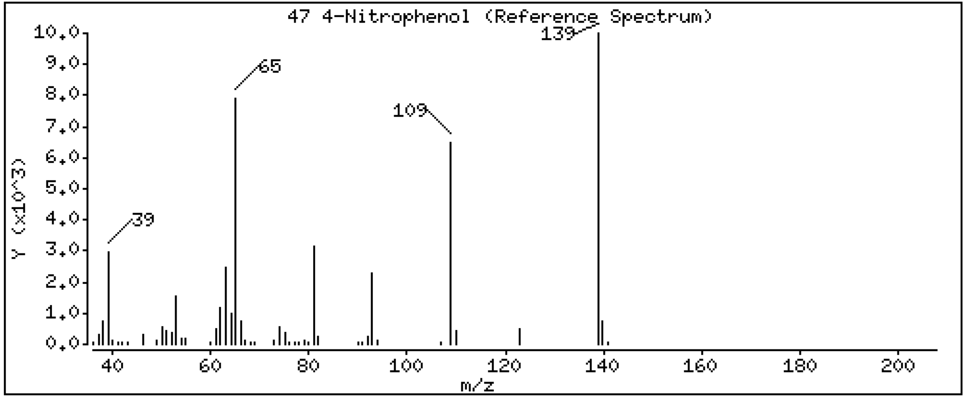
Column diameter: 0.25

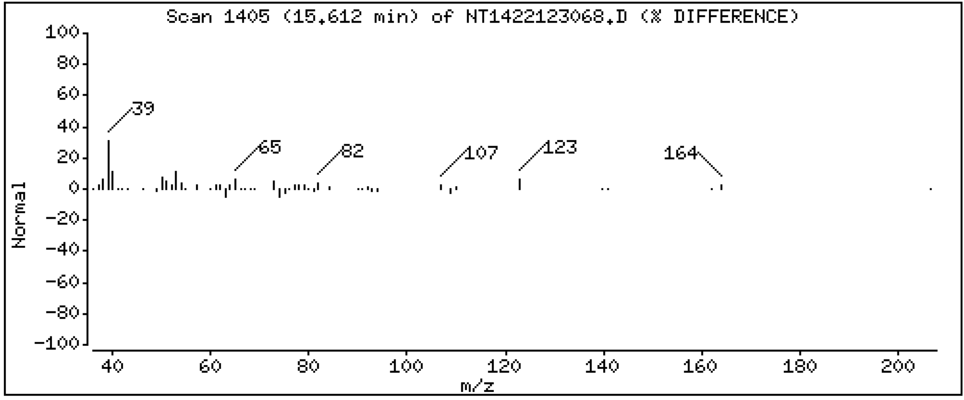
47 4-Nitrophenol

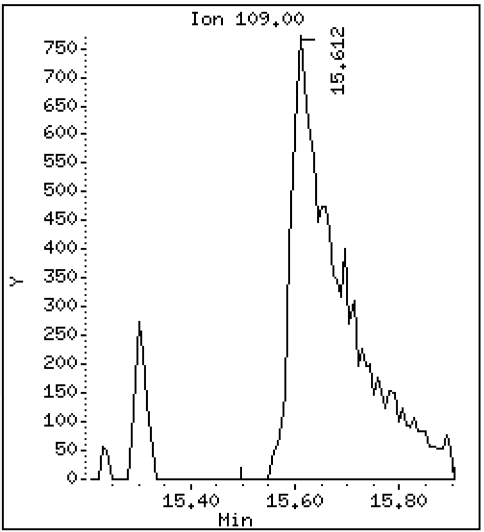
Concentration: 0.6719 ug/mL

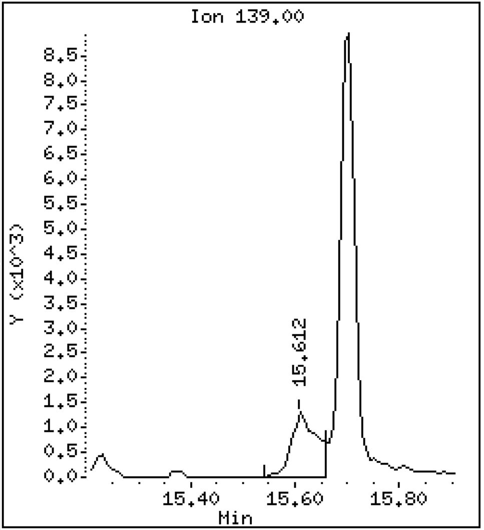

Scan 1405 (15.612 min) of NT1422123068.D

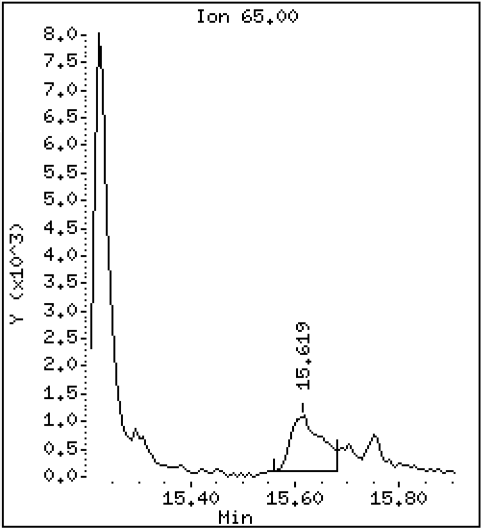

Scan 1405 (15.612 min) of NT1422123068.D (Subtracted)


47 4-Nitrophenol (Reference Spectrum)


Scan 1405 (15.612 min) of NT1422123068.D (% DIFFERENCE)


Ion 109.00


Ion 139.00


Ion 65.00

Data File: \\target\share\chem3\nt14.i\20221230C.b\NT1422123068.D

Date : 01-JAN-2023 00:42

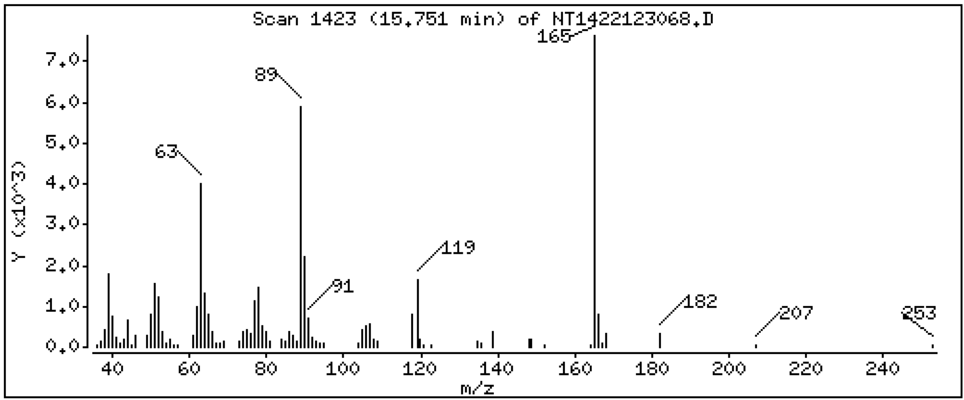
Client ID: Instrument: nt14.i

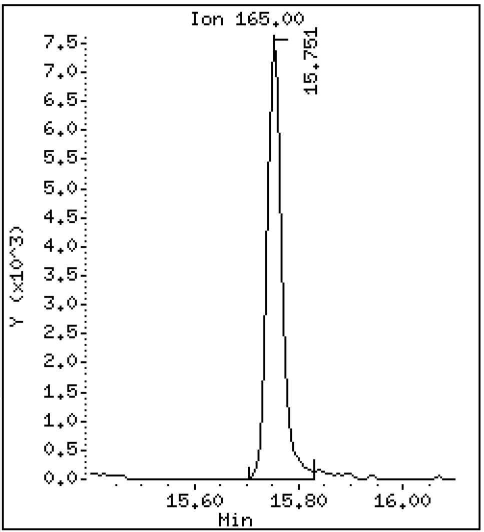
Sample Info: SKL0355-LCV4

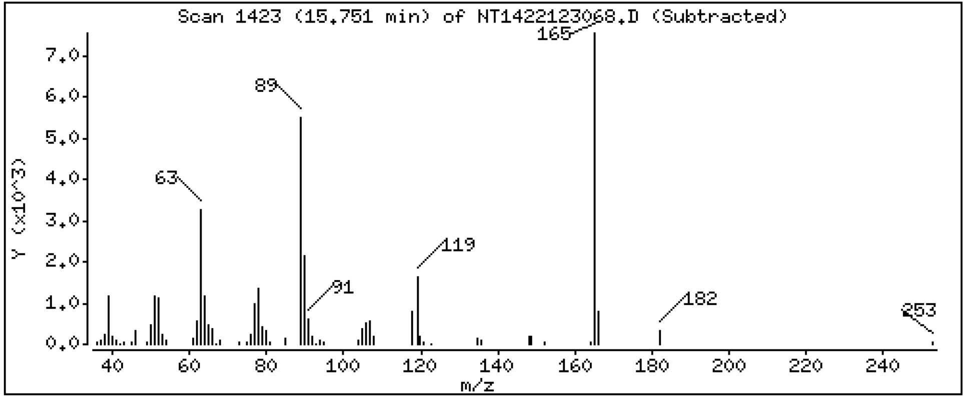
Operator: VTS

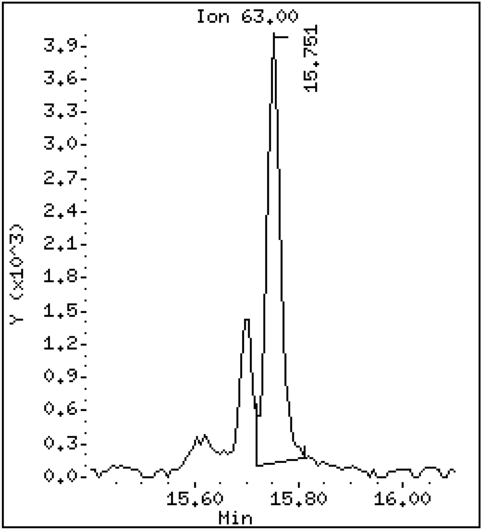
Column phase: ZB-5msi Column diameter: 0.25

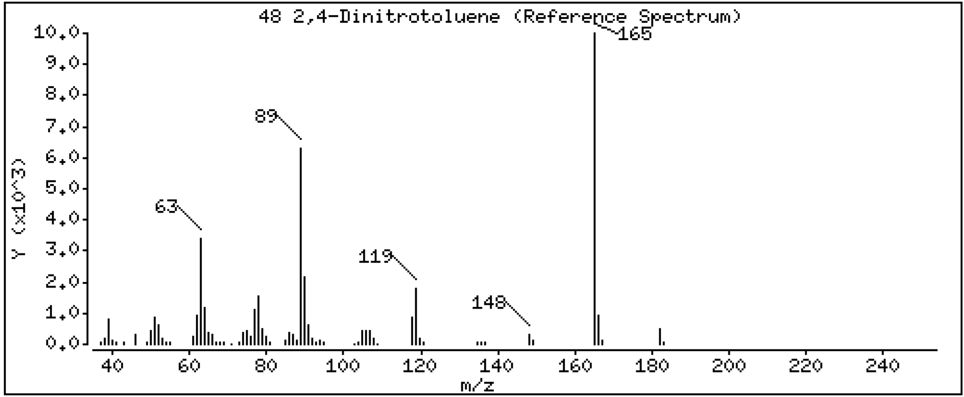
48 2,4-Dinitrotoluene Concentration: 0.7780 ug/mL

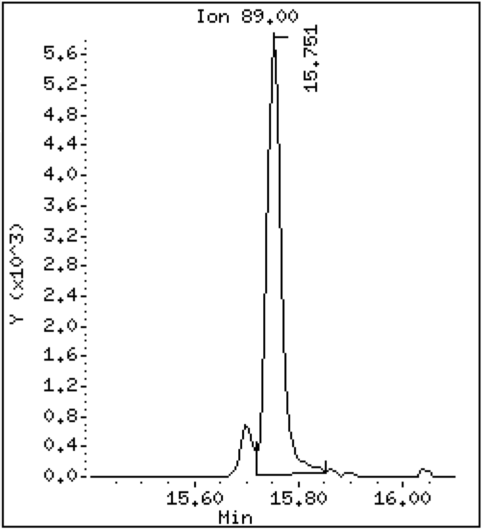


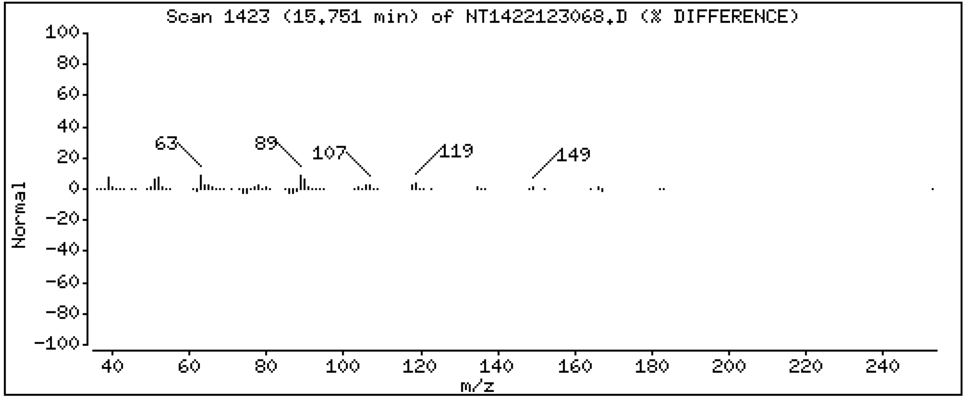












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Date : 01-JAN-2023 00:42

Client ID:

Instrument: nt14.i

Sample Info: SKL0355-LCV4

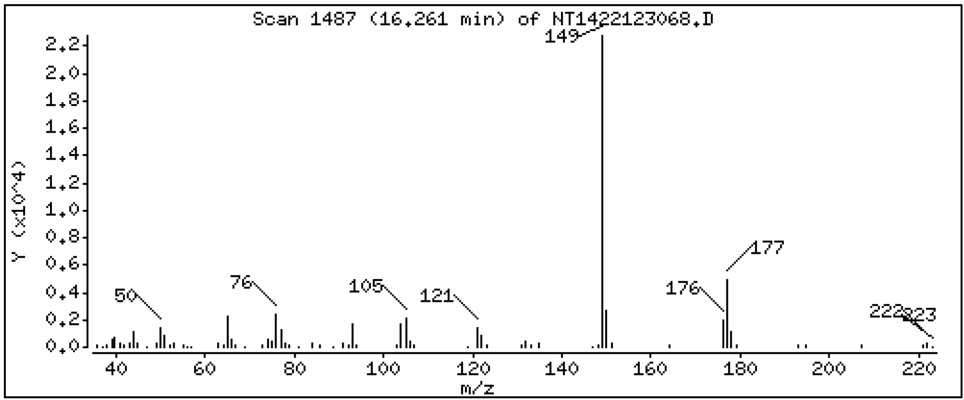
Operator: VTS

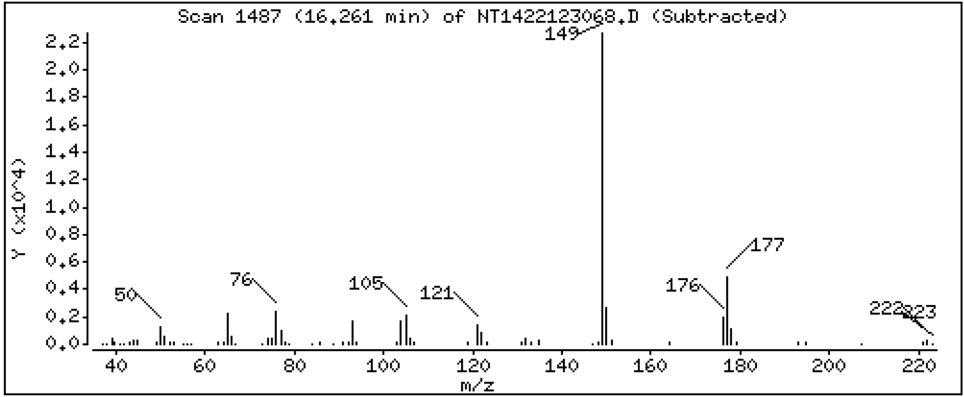
Column phase: ZB-5msi

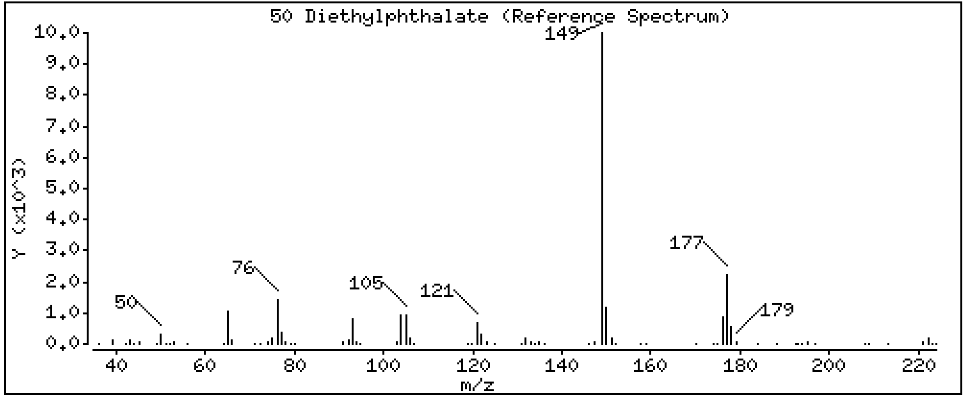
Column diameter: 0.25

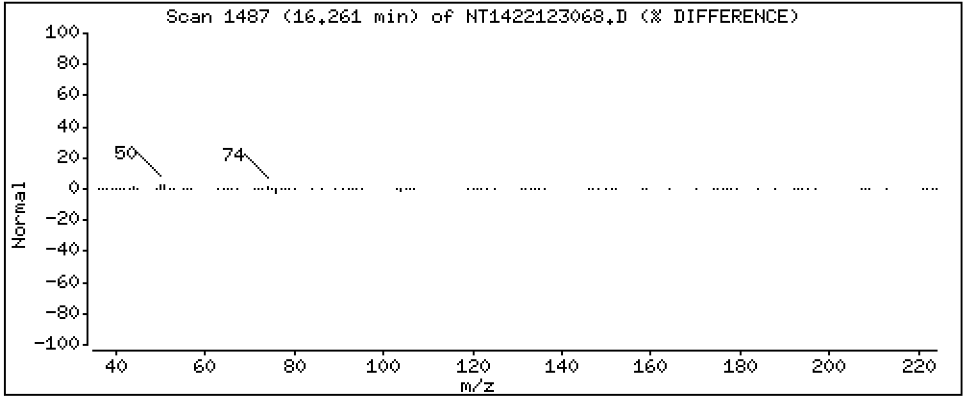
50 Diethylphthalate

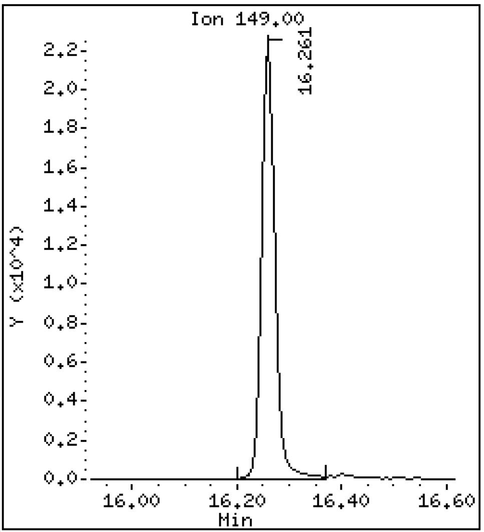
Concentration: 0.5719 ug/mL

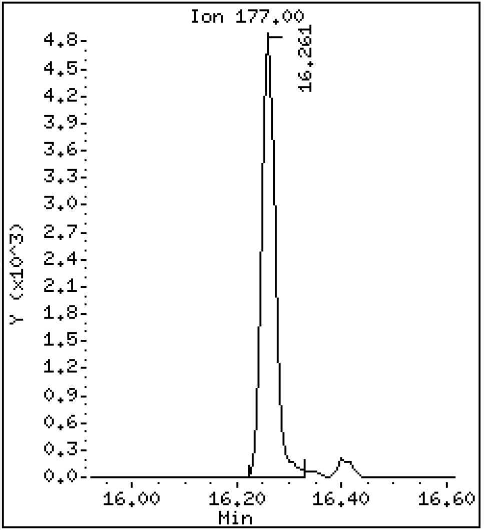

Scan 1487 (16.261 min) of NT1422123068.D

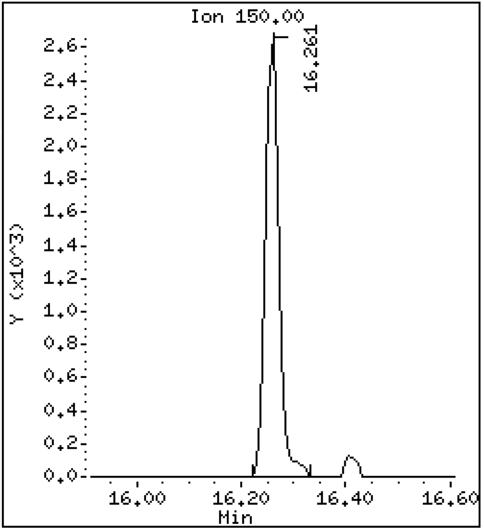

Scan 1487 (16.261 min) of NT1422123068.D (Subtracted)


50 Diethylphthalate (Reference Spectrum)


Scan 1487 (16.261 min) of NT1422123068.D (% DIFFERENCE)


Ion 149.00


Ion 177.00


Ion 150.00

Data File: \\target\share\chem3\nt14.i\20221230C.b\NT1422123068.D

Date : 01-JAN-2023 00:42

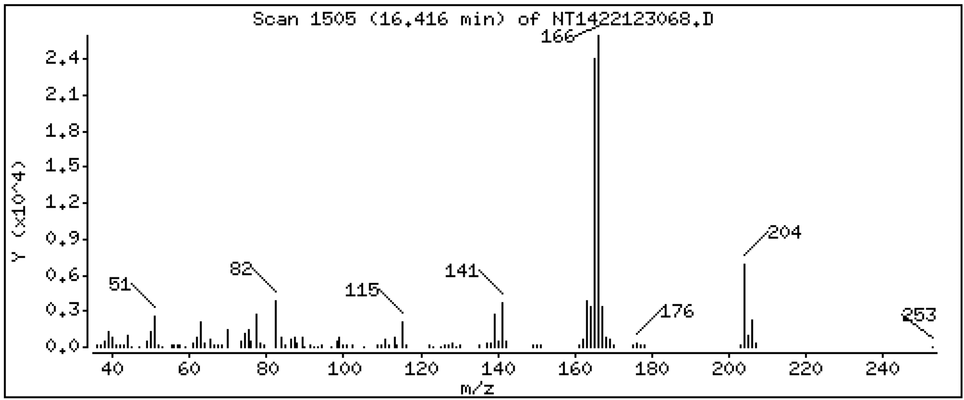
Client ID: Instrument: nt14.i

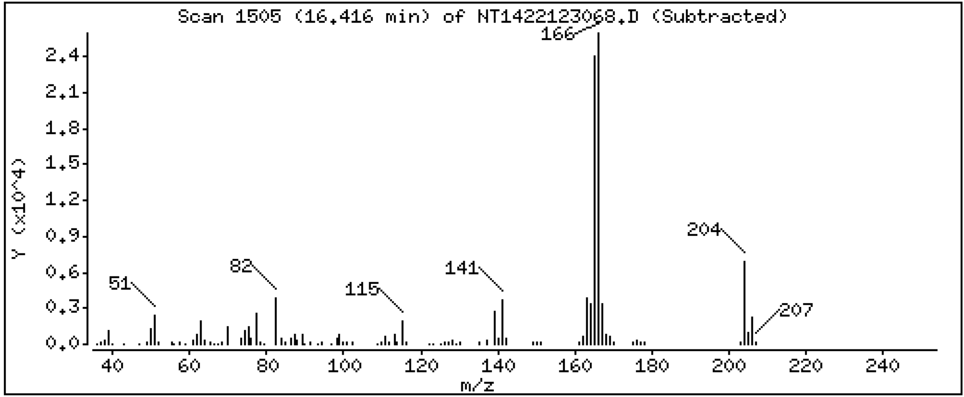
Sample Info: SKL0355-LCV4

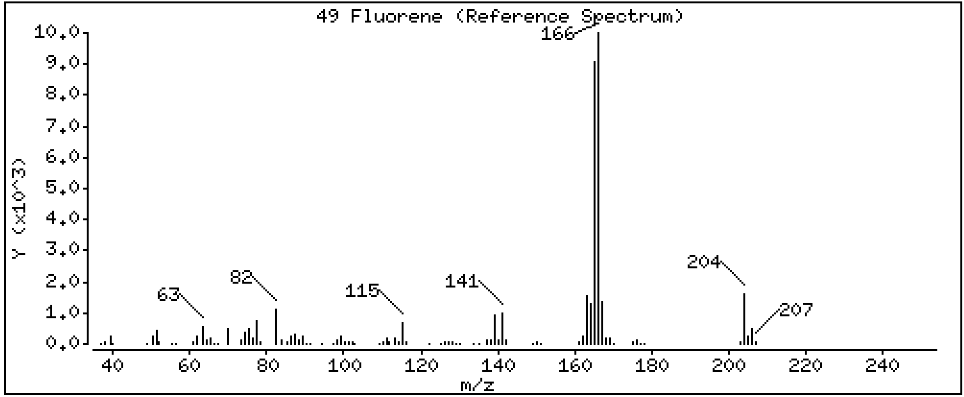
Operator: VTS

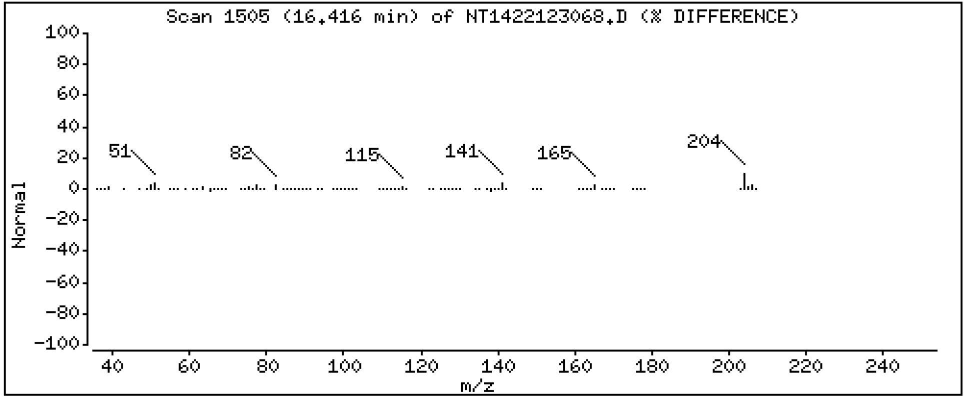
Column phase: ZB-5msi Column diameter: 0.25

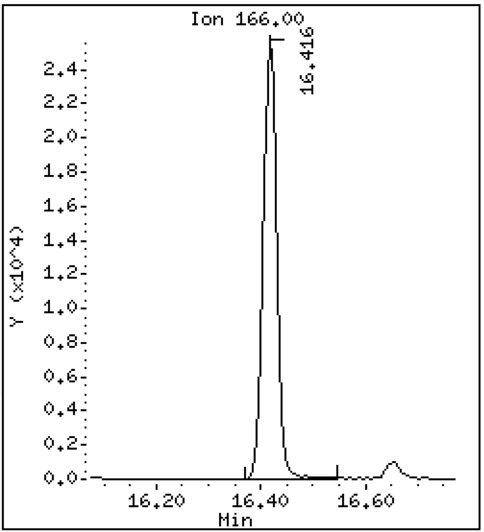
49 Fluorene Concentration: 0.4880 ug/mL


Scan 1505 (16.416 min) of NT1422123068.D


Scan 1505 (16.416 min) of NT1422123068.D (Subtracted)


49 Fluorene (Reference Spectrum)


Scan 1505 (16.416 min) of NT1422123068.D (% DIFFERENCE)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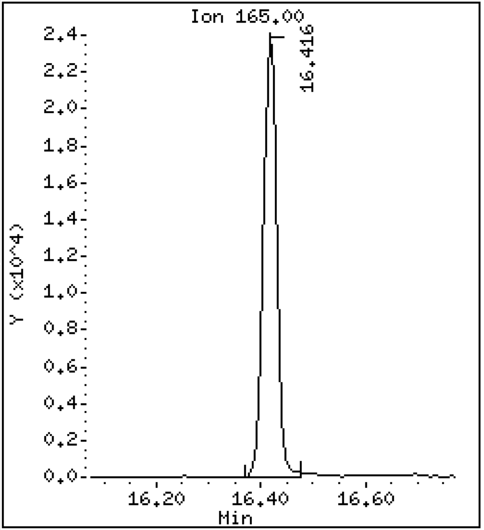
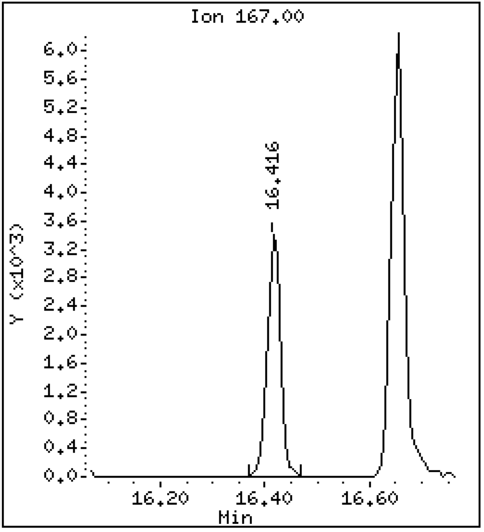

Ion 165.00


Ion 167.00

Data File: \\target\share\chem3\nt14.i\20221230C.b\NT1422123068.D

Date : 01-JAN-2023 00:42

Client ID:

Instrument: nt14.i

Sample Info: SKL0355-LCV4

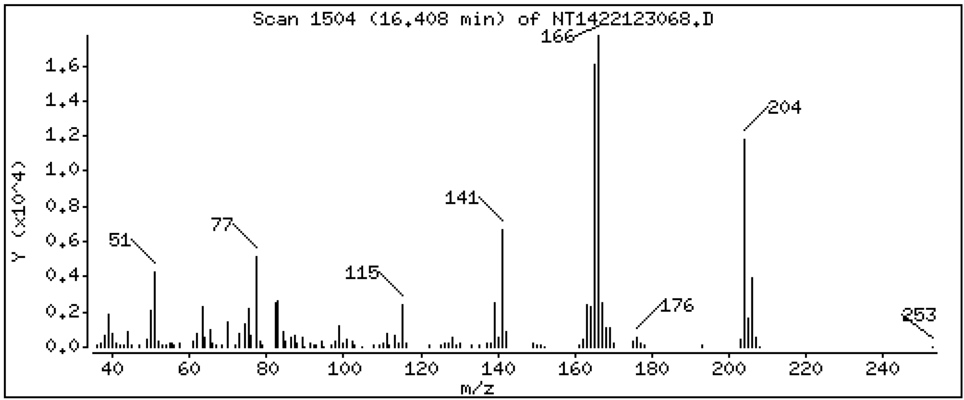
Operator: VTS

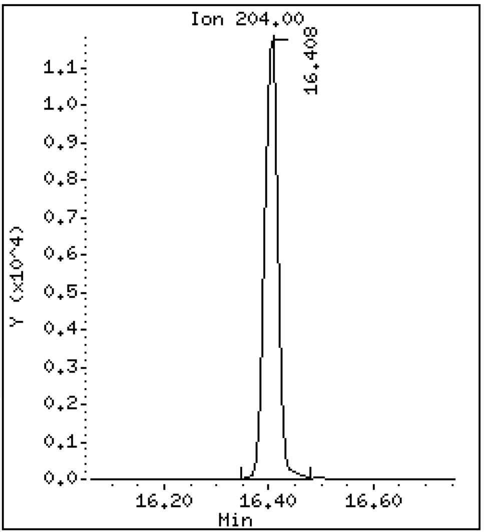
Column phase: ZB-5msi

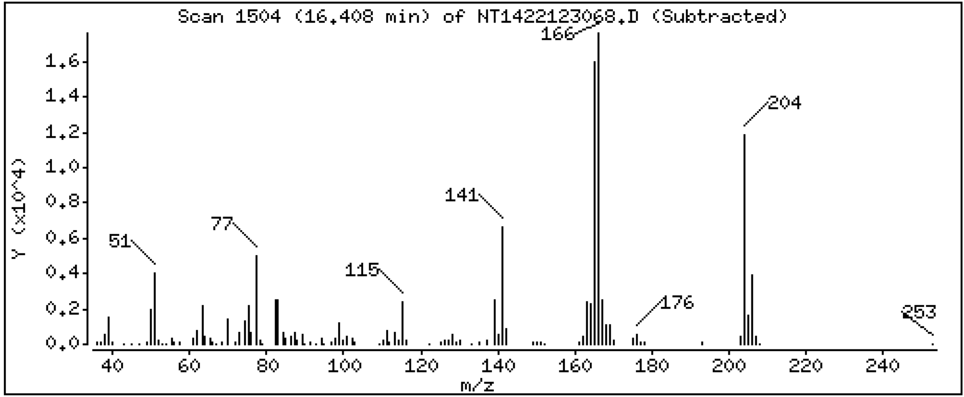
Column diameter: 0.25

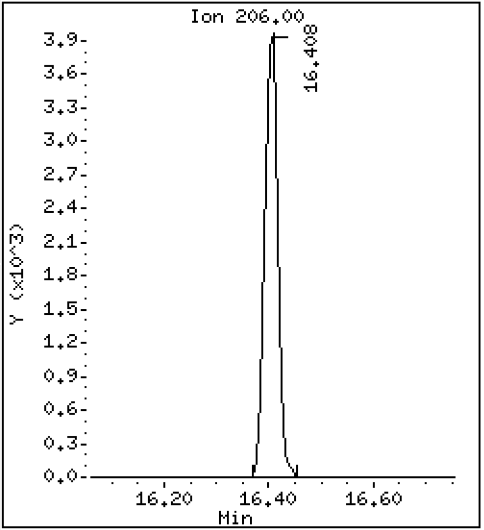
51 4-Chlorophenyl-phenylether

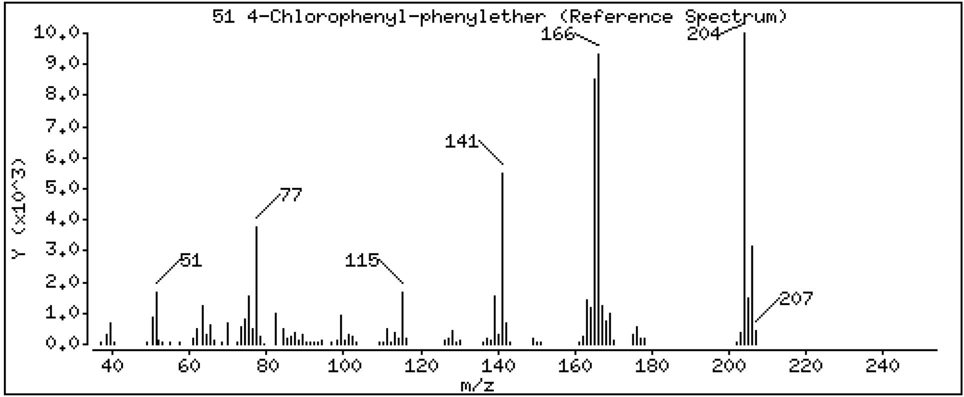
Concentration: 0.5123 ug/mL

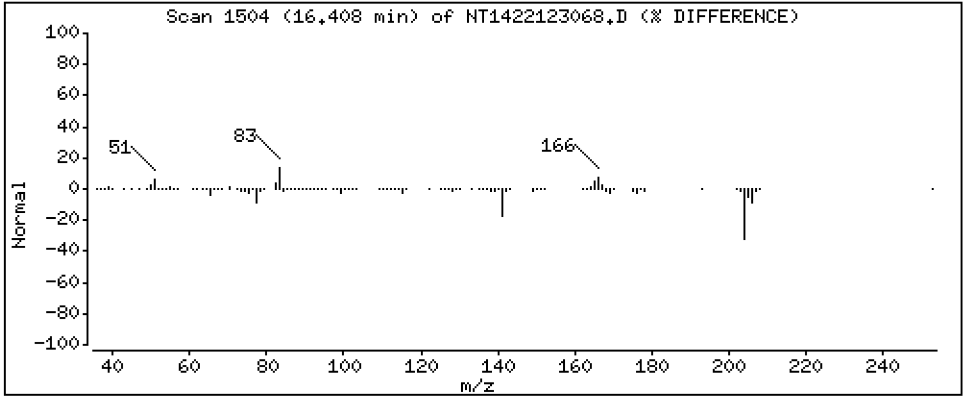


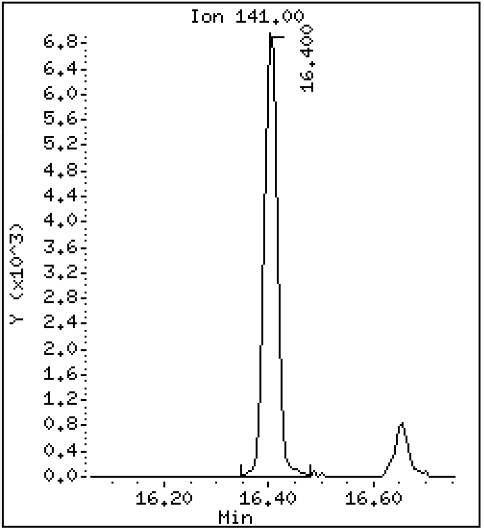












Data File: \\target\share\chem3\nt14.i\20221230C.b\NT1422123068.D

Date : 01-JAN-2023 00:42

Client ID:

Instrument: nt14.i

Sample Info: SKL0355-LCV4

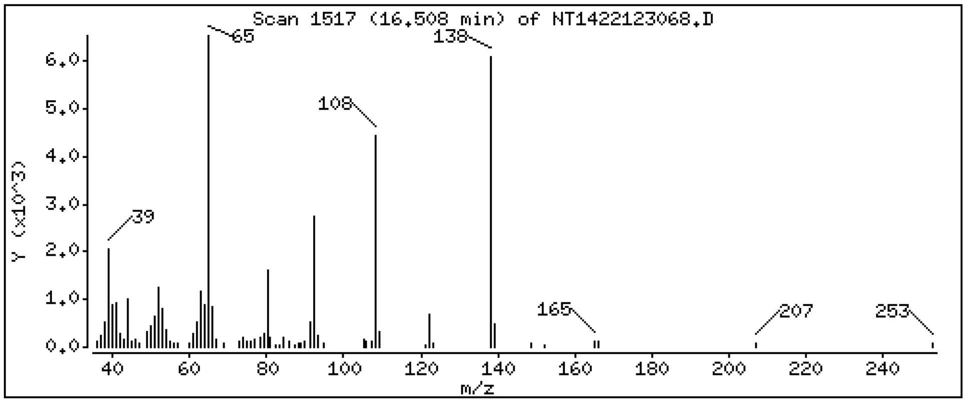
Operator: VTS

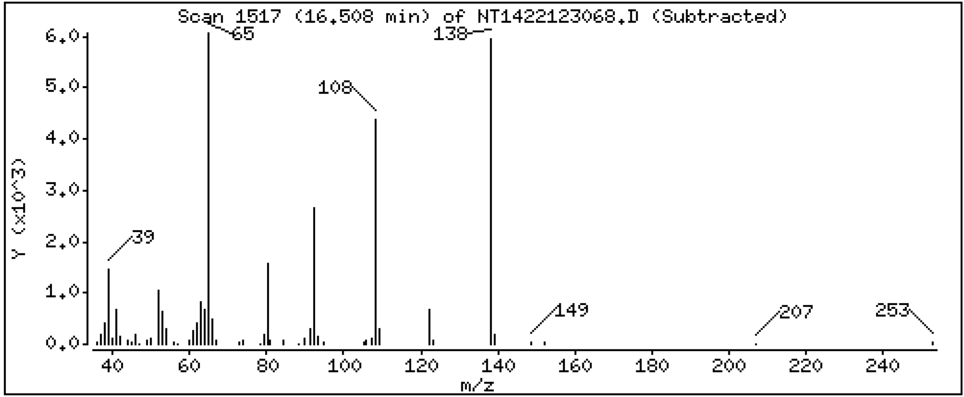
Column phase: ZB-5msi

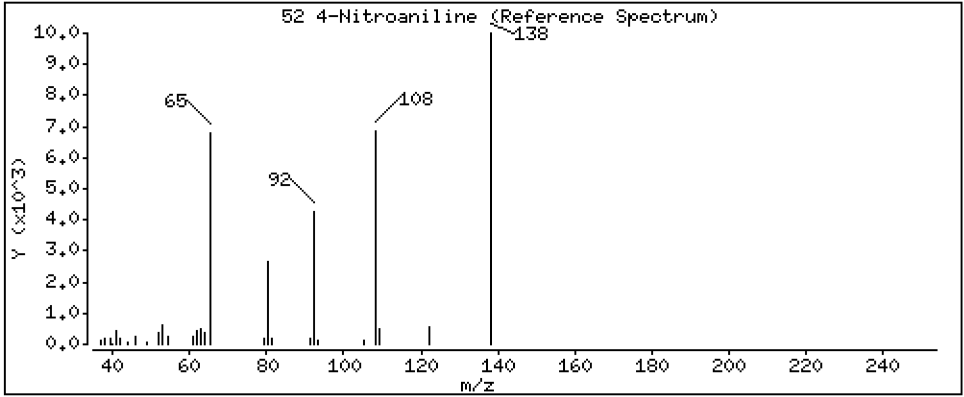
Column diameter: 0.25

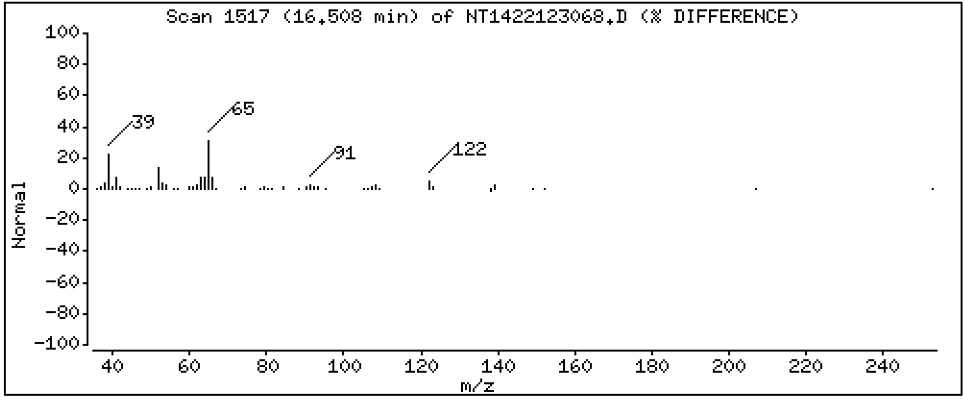
52 4-Nitroaniline

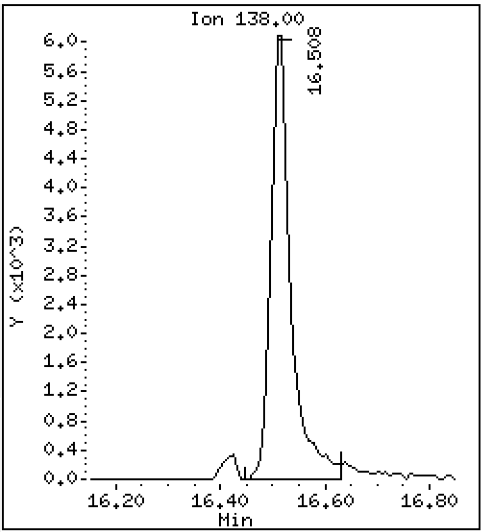
Concentration: 0.8313 ug/mL

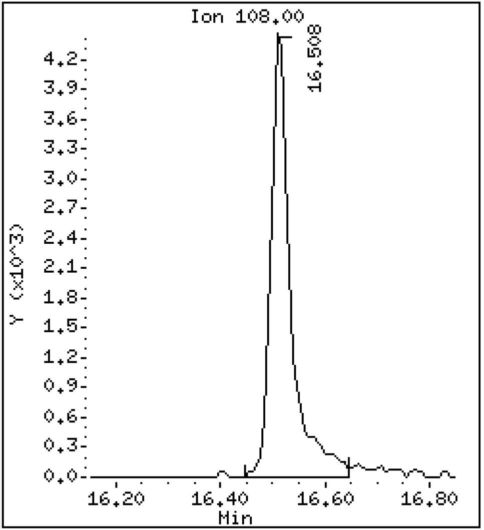


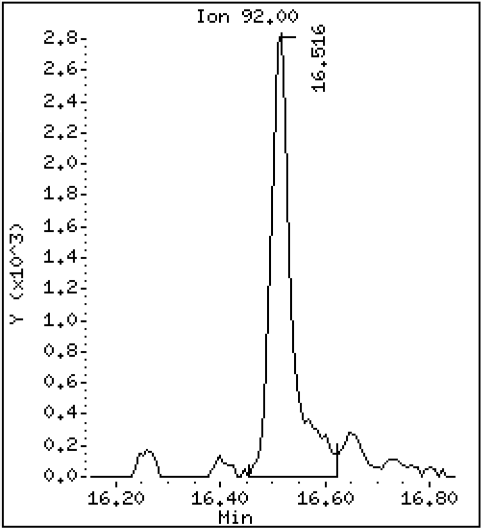












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Date : 01-JAN-2023 00:42

Client ID:

Instrument: nt14.i

Sample Info: SKL0355-LCV4

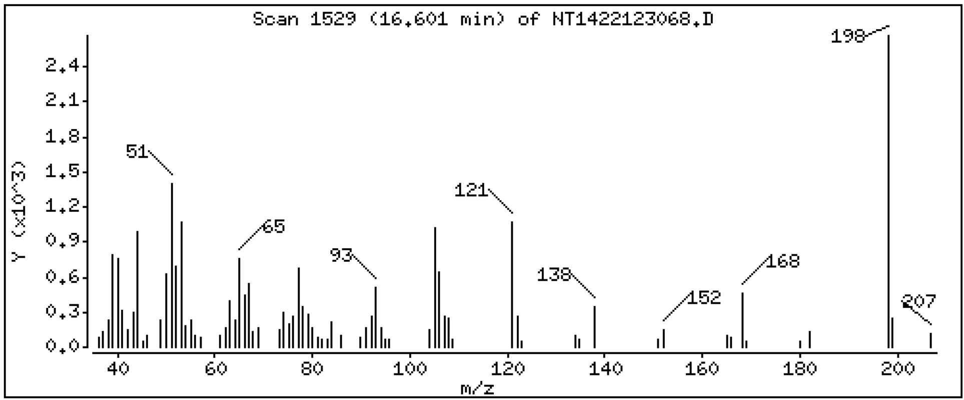
Operator: VTS

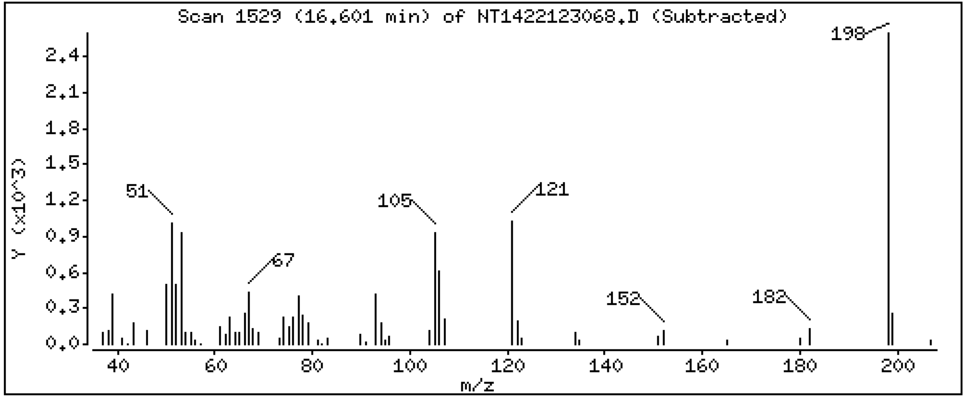
Column phase: ZB-5msi

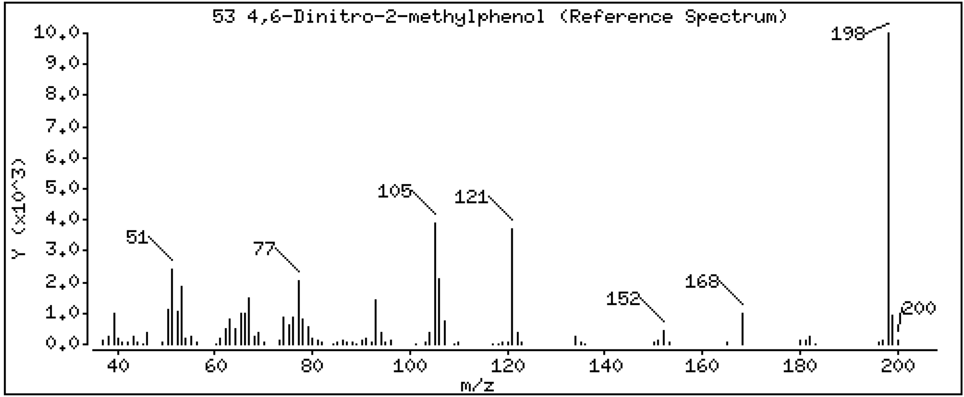
Column diameter: 0.25

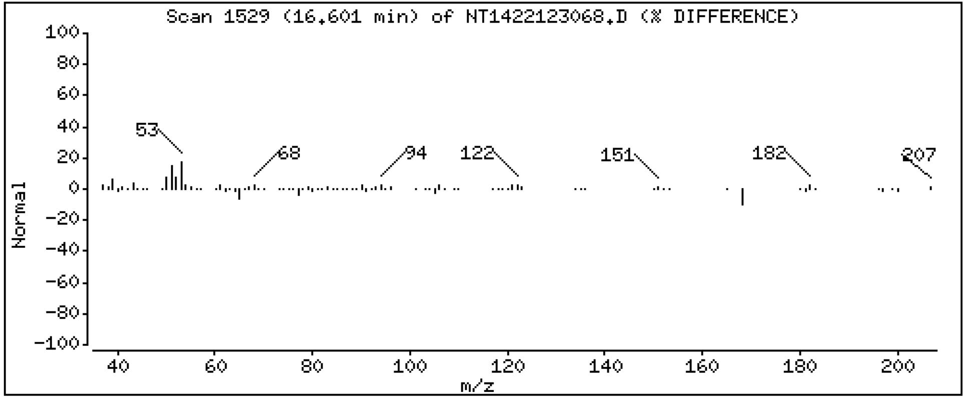
53 4,6-Dinitro-2-methylphenol

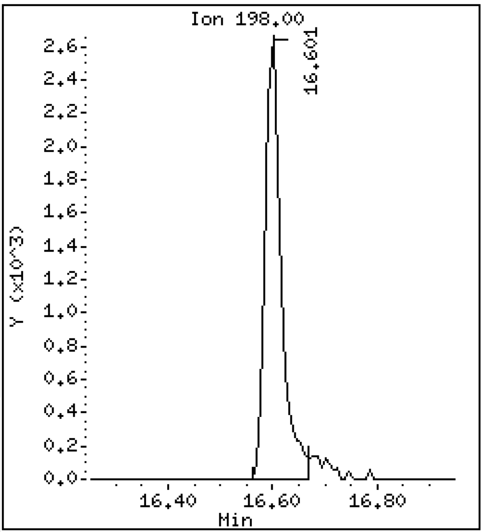
Concentration: 0.3826 ug/mL

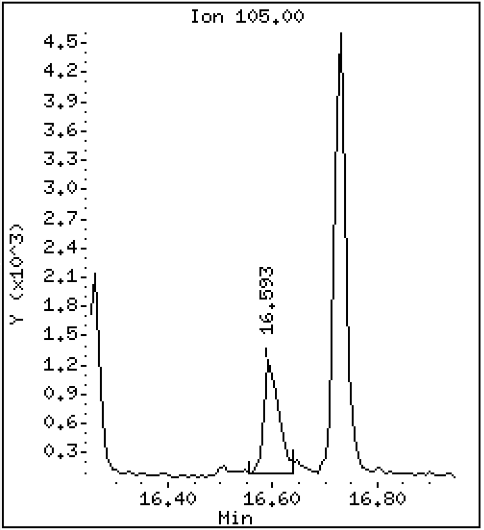


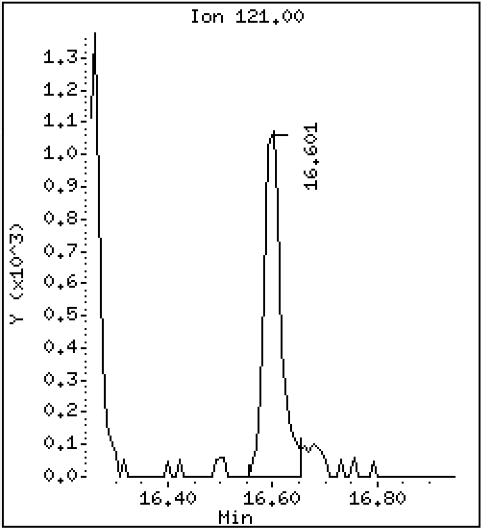












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Date : 01-JAN-2023 00:42

Client ID: Instrument: nt14.i

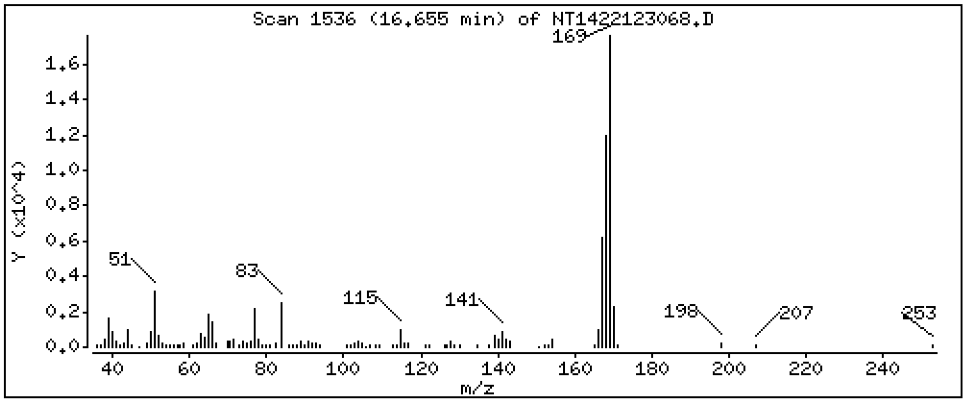
Sample Info: SKL0355-LCV4

Operator: VTS

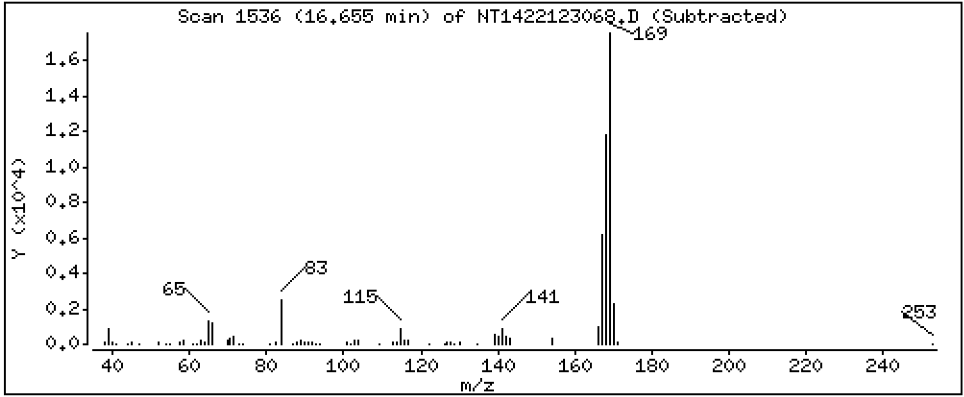
Column phase: ZB-5msi Column diameter: 0.25

54 N-Nitrosodiphenylamine Concentration: 0.5115 ug/mL

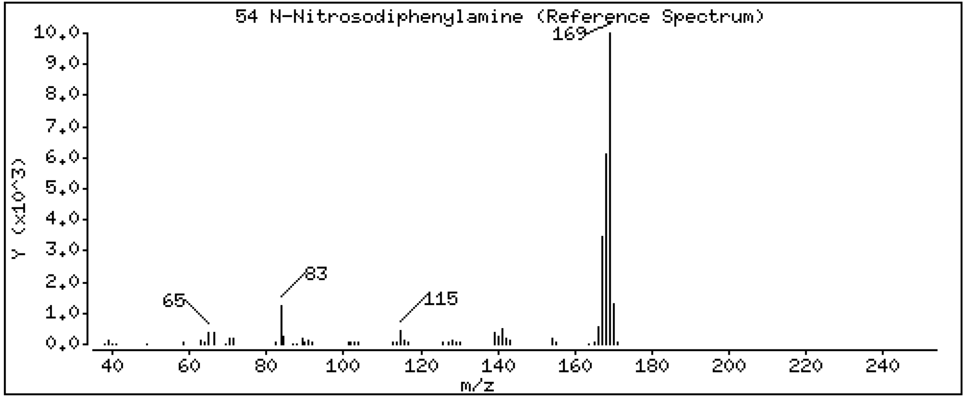
Scan 1536 (16.655 min) of NT1422123068.D



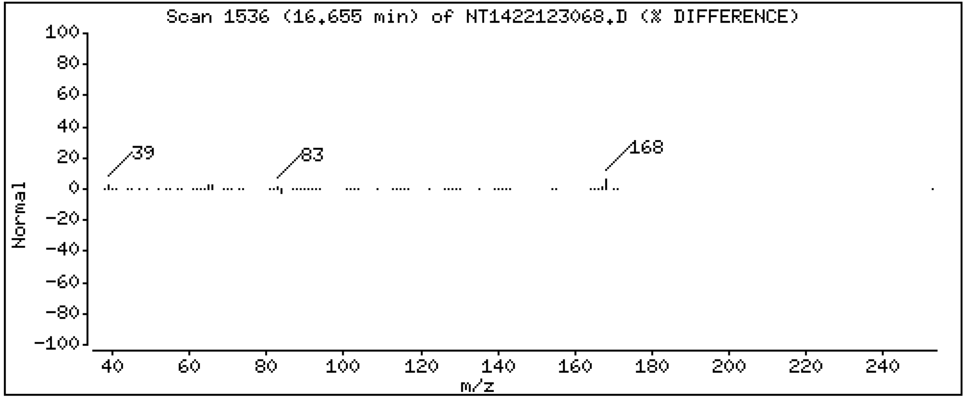
Scan 1536 (16.655 min) of NT1422123068.D (Subtracted)



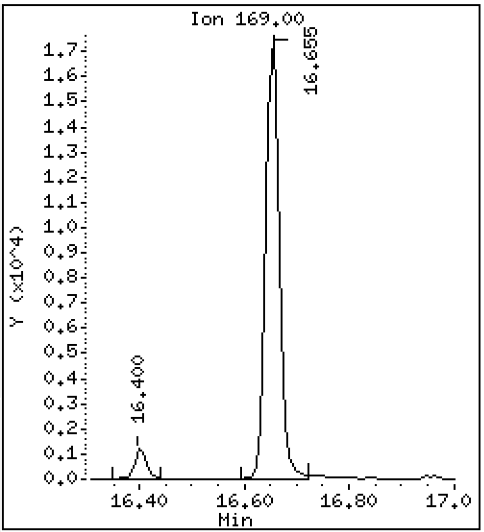
54 N-Nitrosodiphenylamine (Reference Spectrum)



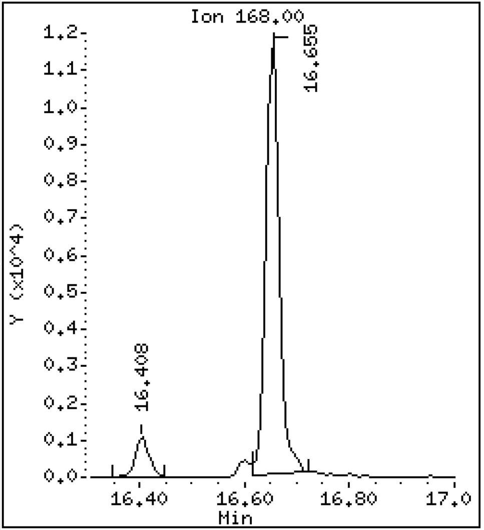
Scan 1536 (16.655 min) of NT1422123068.D (% DIFFERENCE)



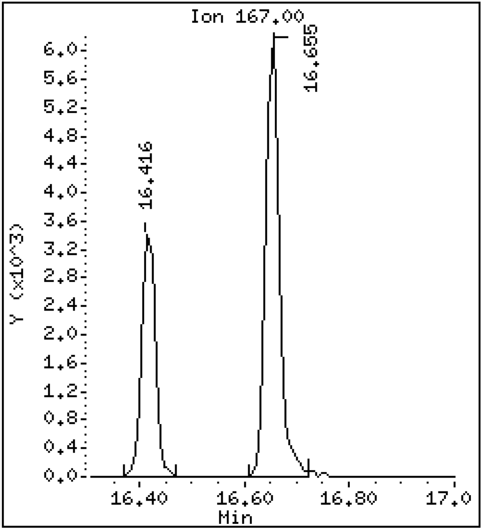
Ion 169.00



Ion 168.00



Ion 167.00



Data File: \\target\share\chem3\nt14.i\20221230C.b\NT1422123068.D

Date : 01-JAN-2023 00:42

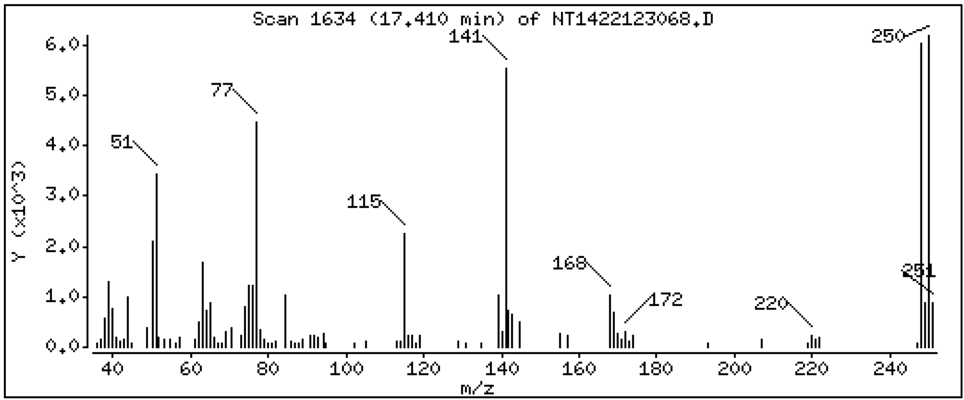
Client ID: Instrument: nt14.i

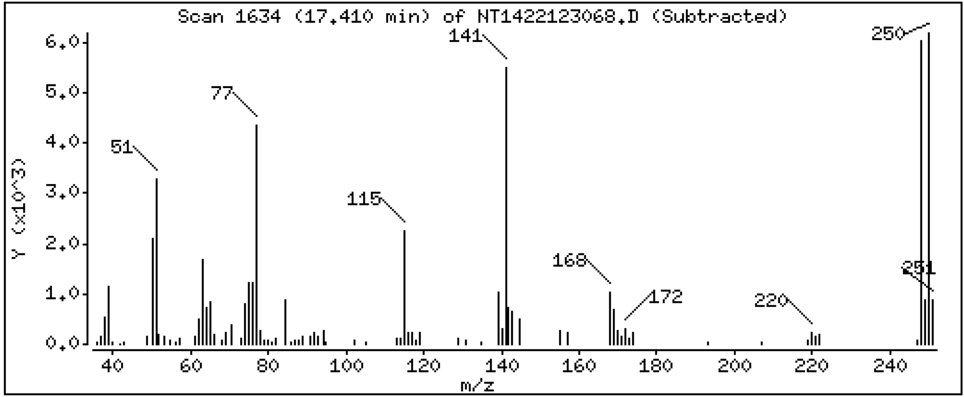
Sample Info: SKL0355-LCV4

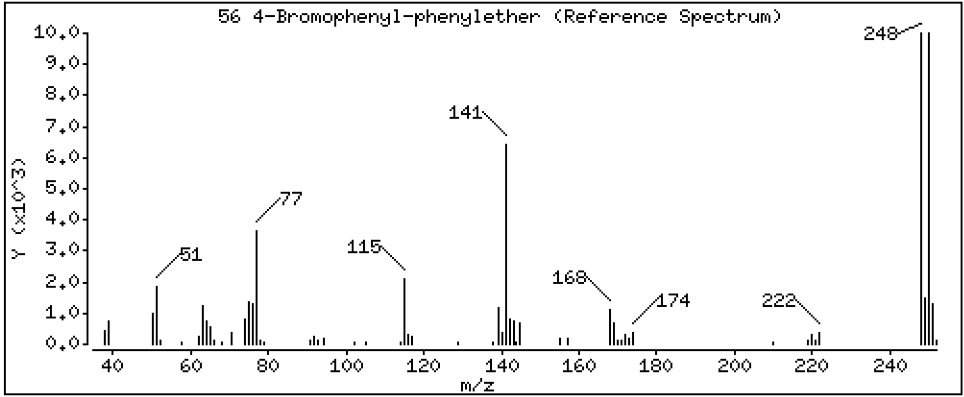
Operator: VTS

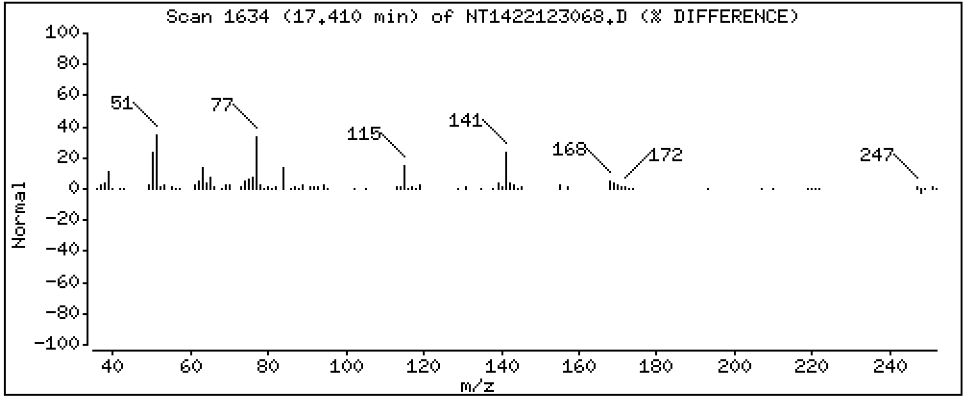
Column phase: ZB-5msi Column diameter: 0.25

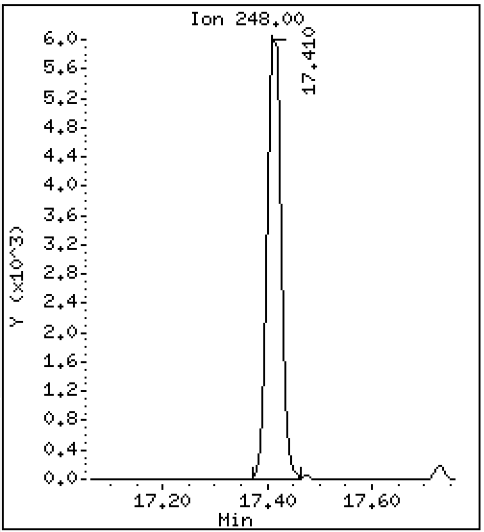
56 4-Bromophenyl-phenylether Concentration: 0.4732 ug/mL

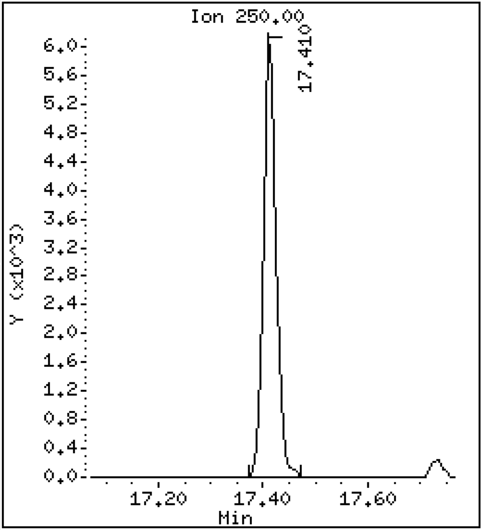


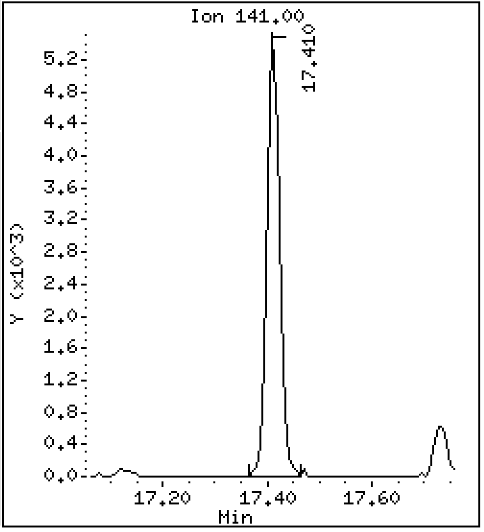












Data File: \\target\share\chem3\nt14.i\20221230C.b\NT1422123068.D

Date : 01-JAN-2023 00:42

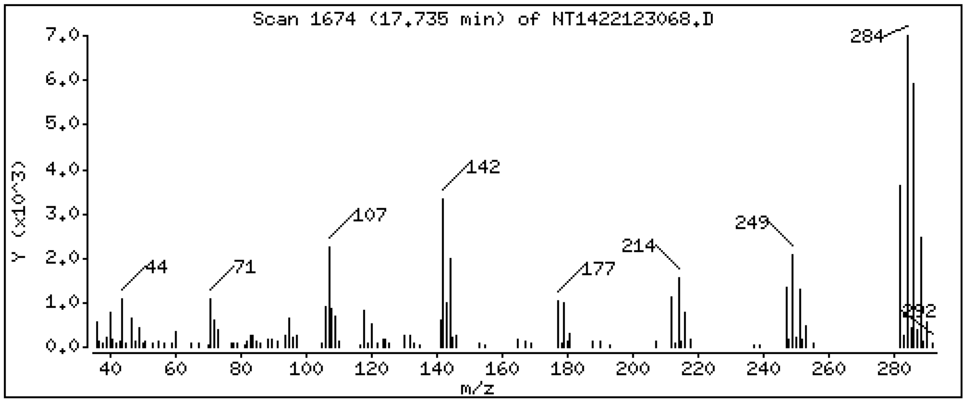
Client ID: Instrument: nt14.i

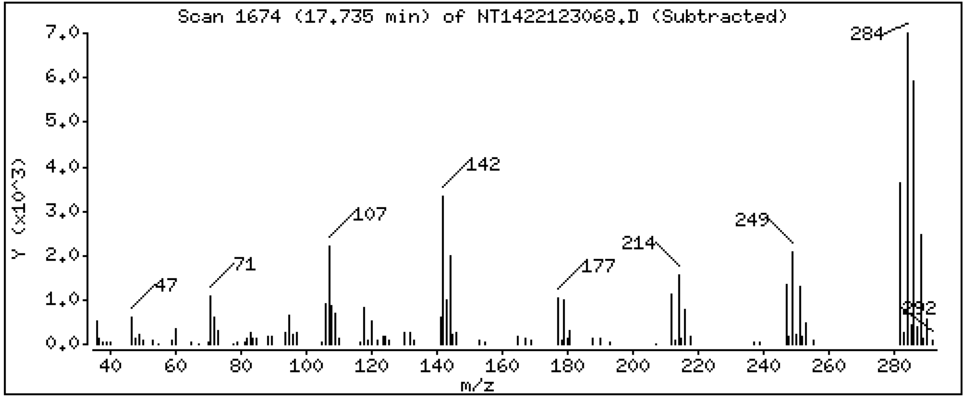
Sample Info: SKL0355-LCV4

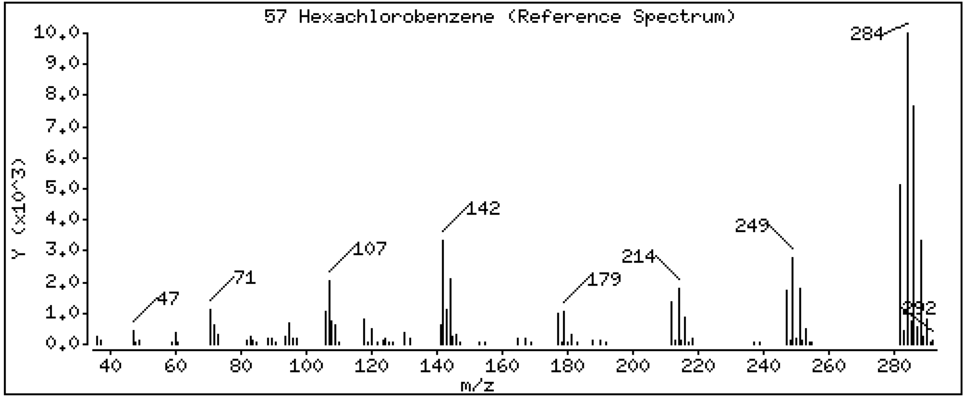
Operator: VTS

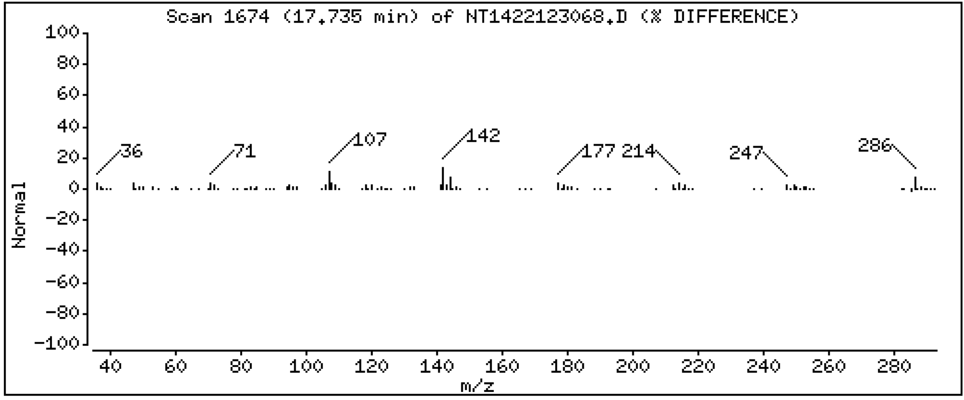
Column phase: ZB-5msi Column diameter: 0.25

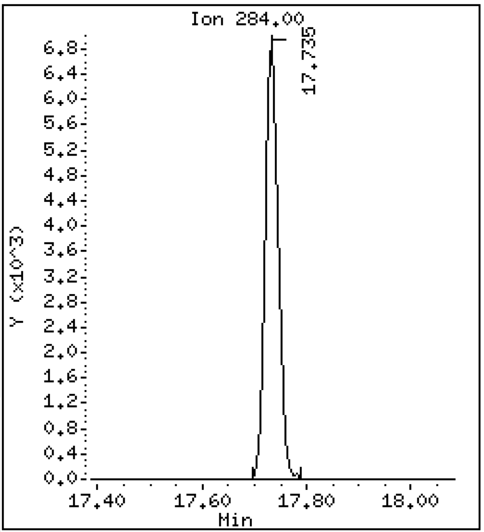
57 Hexachlorobenzene Concentration: 0.4872 ug/mL

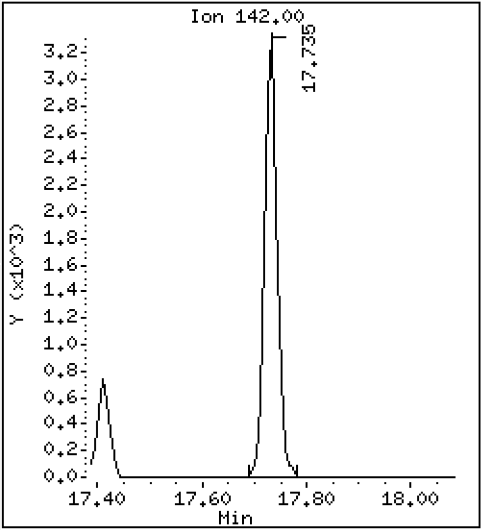

Scan 1674 (17.735 min) of NT1422123068.D

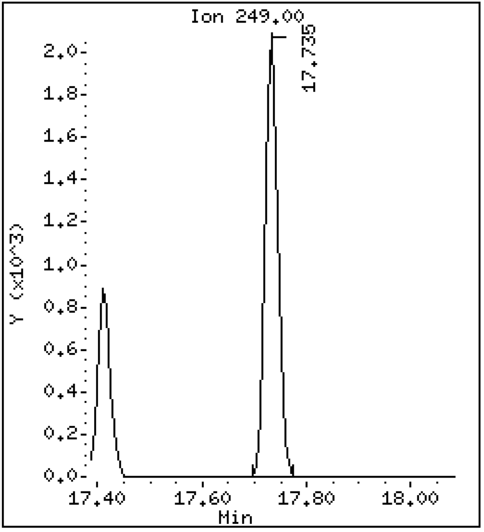

Scan 1674 (17.735 min) of NT1422123068.D (Subtracted)


57 Hexachlorobenzene (Reference Spectrum)


Scan 1674 (17.735 min) of NT1422123068.D (% DIFFERENCE)


Ion 284.00


Ion 142.00


Ion 249.00

Data File: \\target\share\chem3\nt14.i\20221230C.b\NT1422123068.D

Date : 01-JAN-2023 00:42

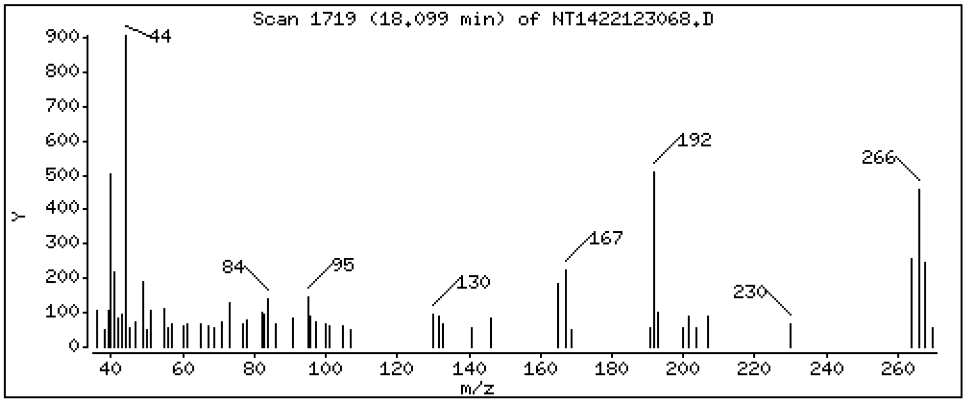
Client ID: Instrument: nt14.i

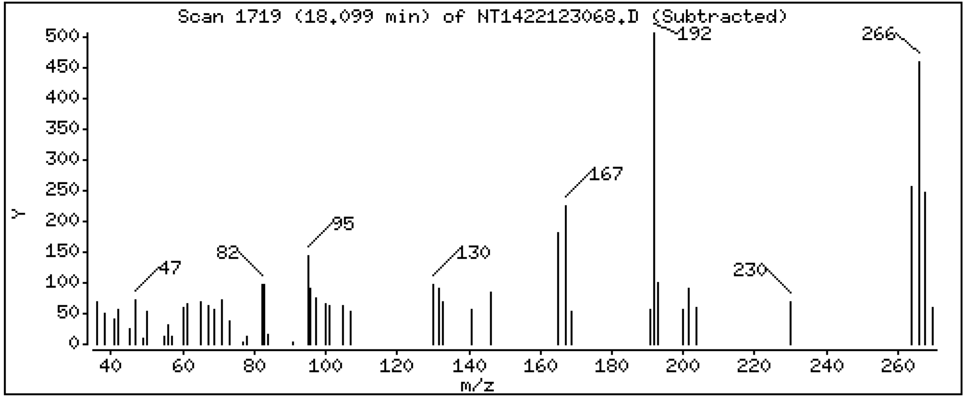
Sample Info: SKL0355-LCV4

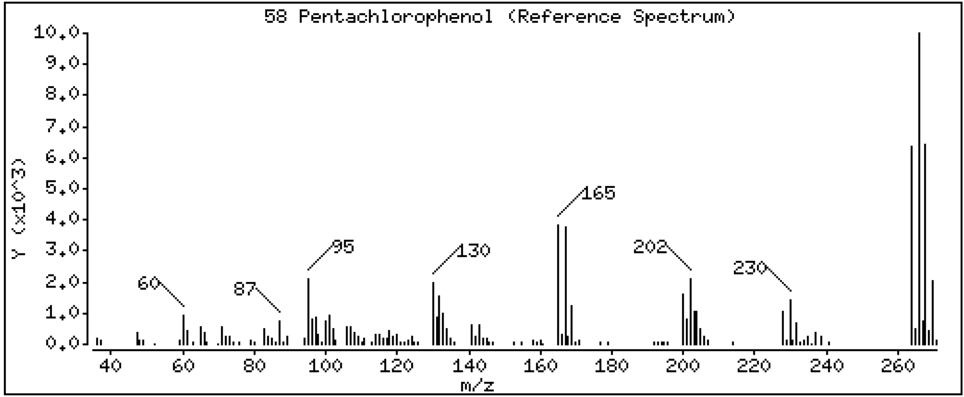
Operator: VTS

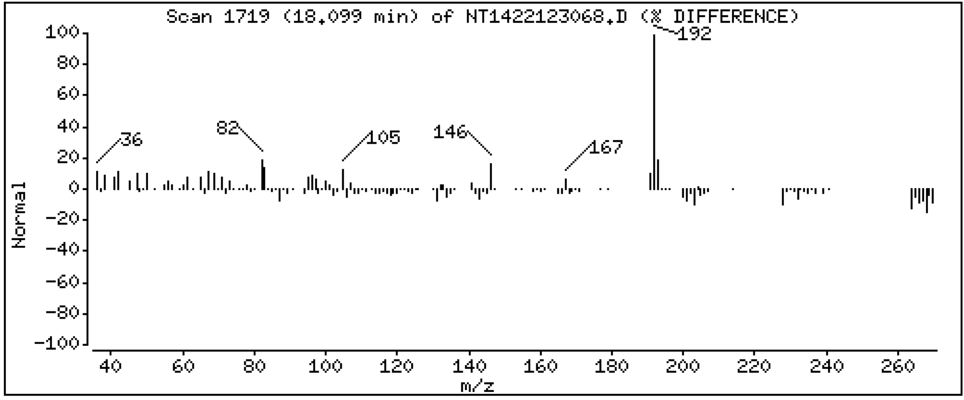
Column phase: ZB-5msi Column diameter: 0.25

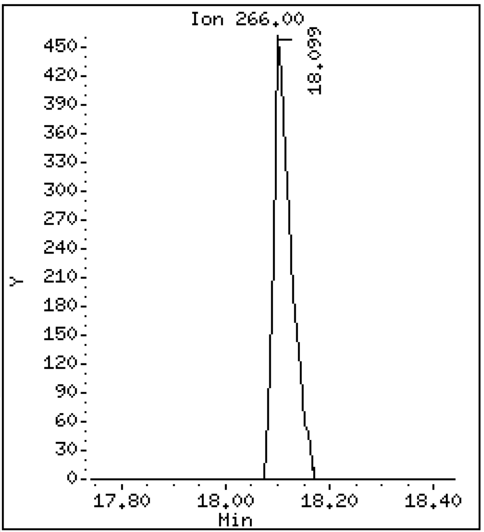
58 Pentachlorophenol Concentration: 0.1037 ug/mL

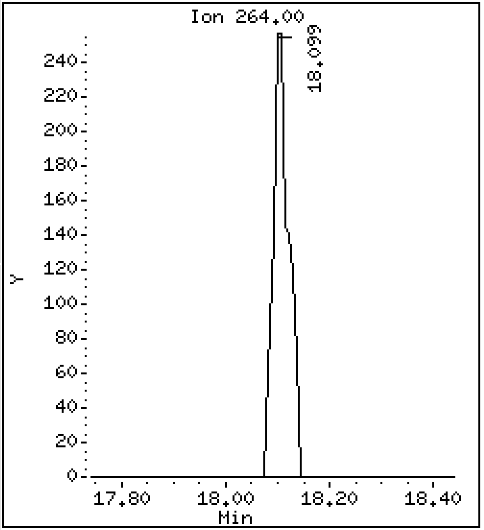


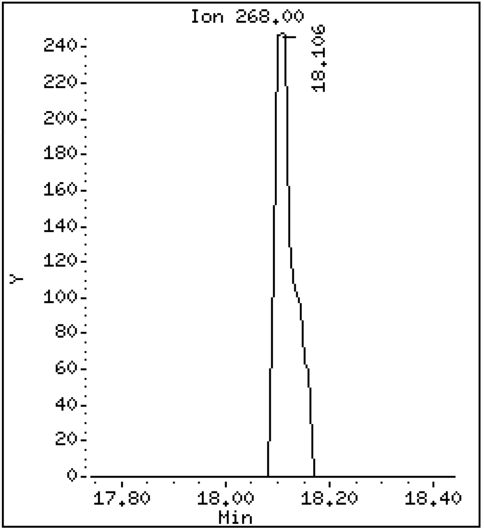












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Date : 01-JAN-2023 00:42

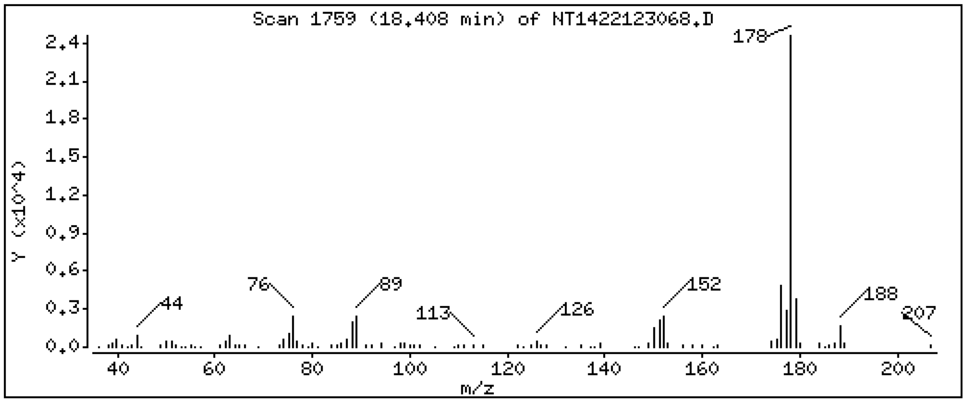
Client ID: Instrument: nt14.i

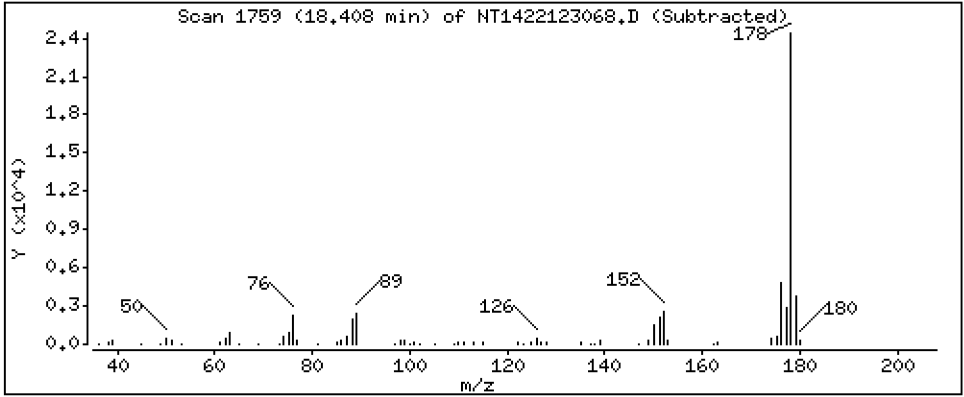
Sample Info: SKL0355-LCV4

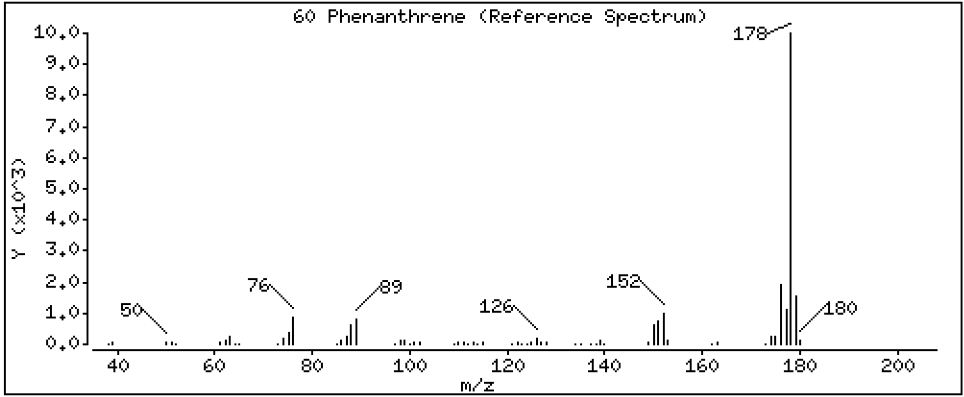
Operator: VTS

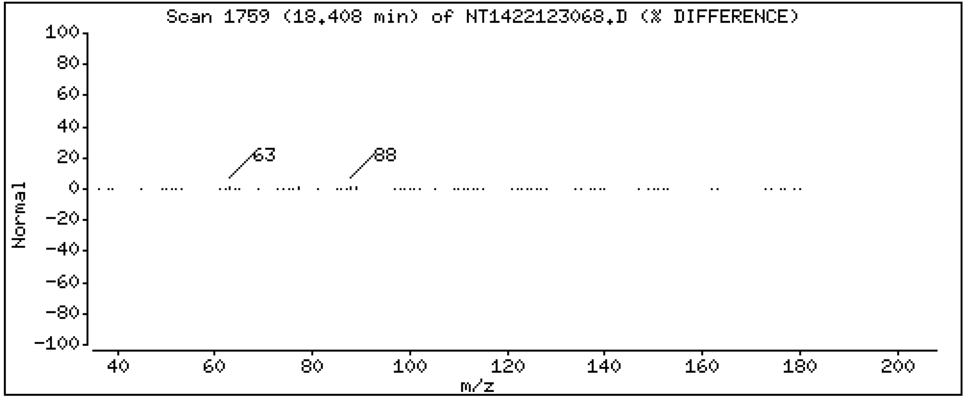
Column phase: ZB-5msi Column diameter: 0.25

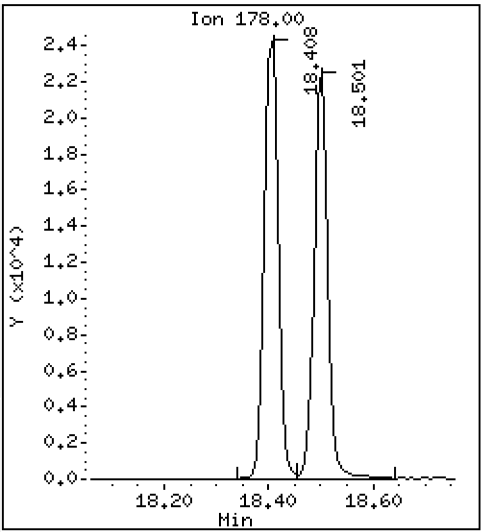
60 Phenanthrene Concentration: 0.4832 ug/mL

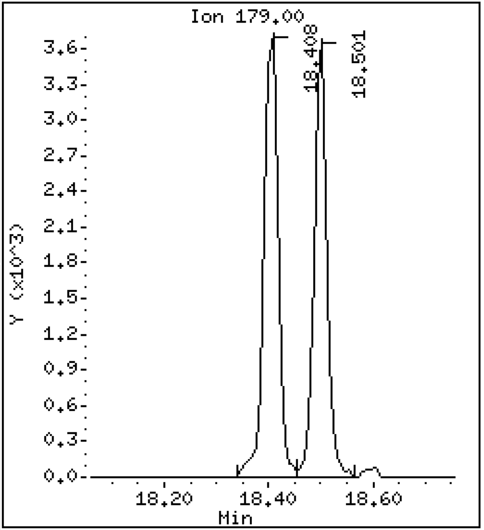

Scan 1759 (18.408 min) of NT1422123068.D

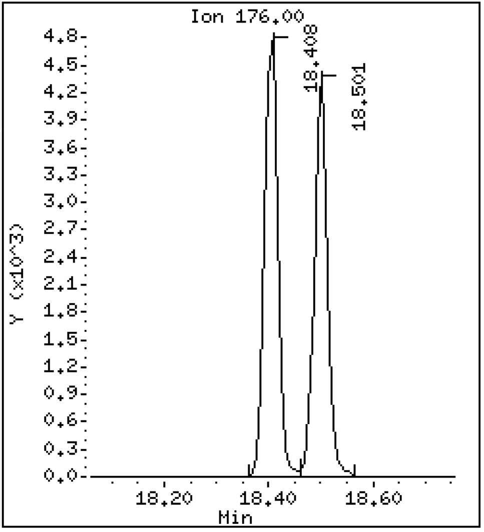

Scan 1759 (18.408 min) of NT1422123068.D (Subtracted)


60 Phenanthrene (Reference Spectrum)


Scan 1759 (18.408 min) of NT1422123068.D (% DIFFERENCE)


Ion 178.00


Ion 179.00


Ion 176.00

Data File: \\target\share\chem3\nt14.i\20221230C.b\NT1422123068.D

Date : 01-JAN-2023 00:42

Client ID: Instrument: nt14.i

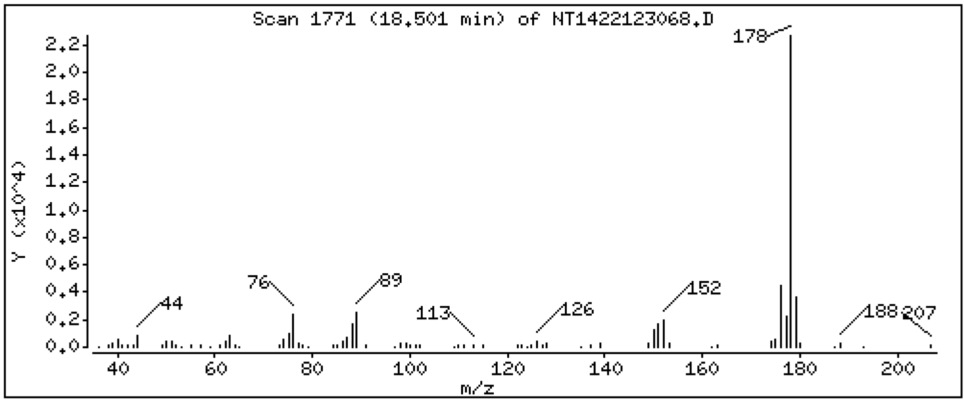
Sample Info: SKL0355-LCV4

Operator: VTS

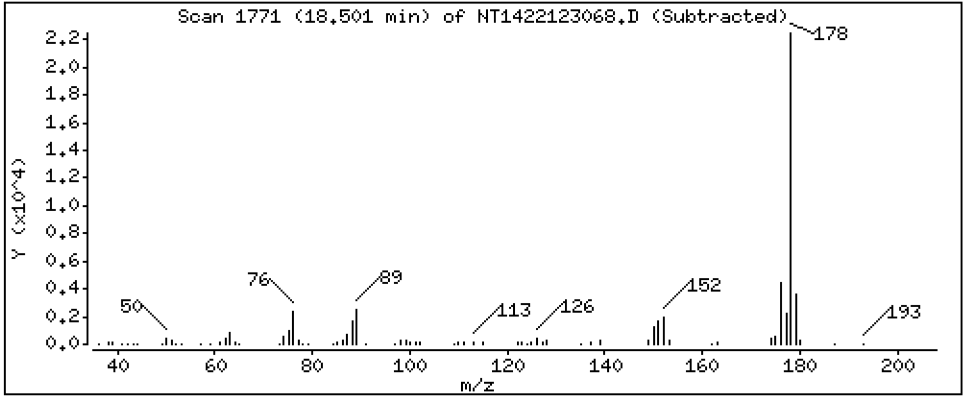
Column phase: ZB-5msi Column diameter: 0.25

61 Anthracene Concentration: 0.4848 ug/mL

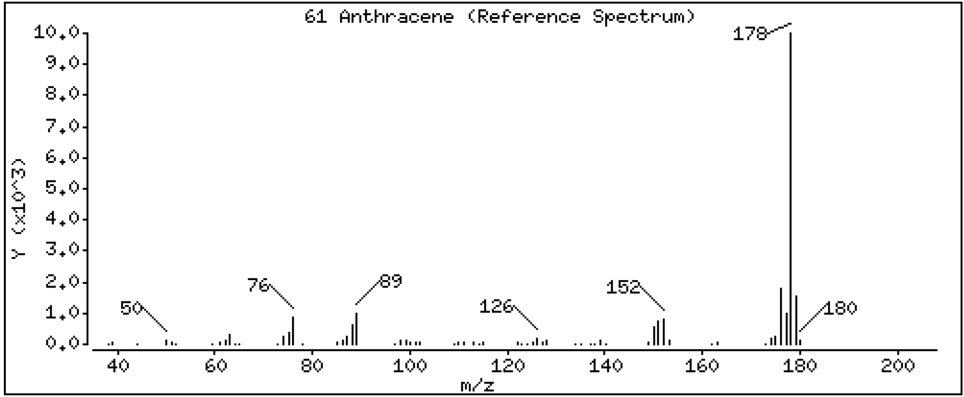
Scan 1771 (18.501 min) of NT1422123068.D



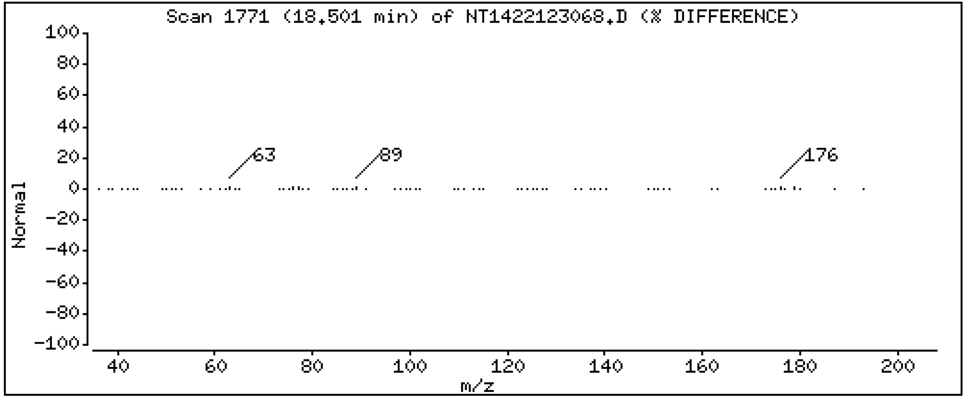
Scan 1771 (18.501 min) of NT1422123068.D (Subtracted)



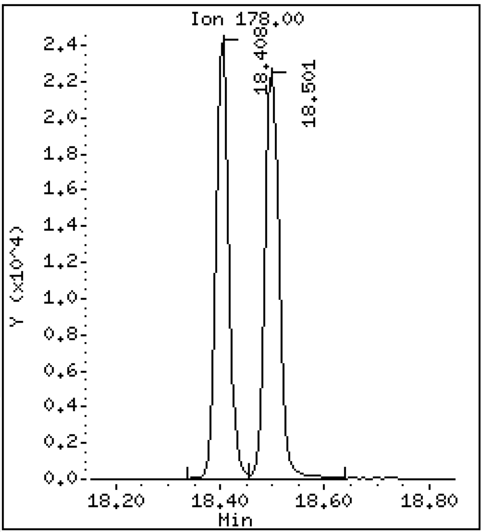
61 Anthracene (Reference Spectrum)



Scan 1771 (18.501 min) of NT1422123068.D (% DIFFERENCE)



Ion 178.00



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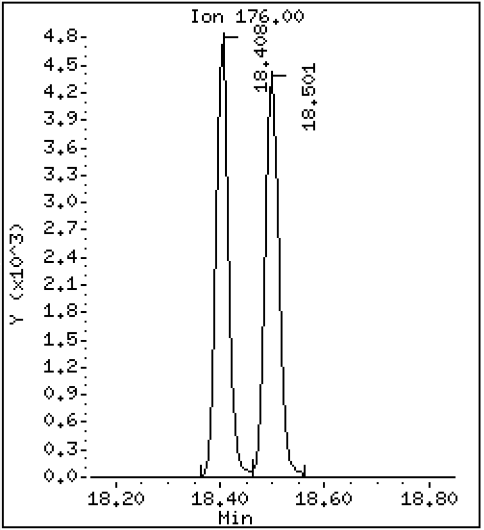

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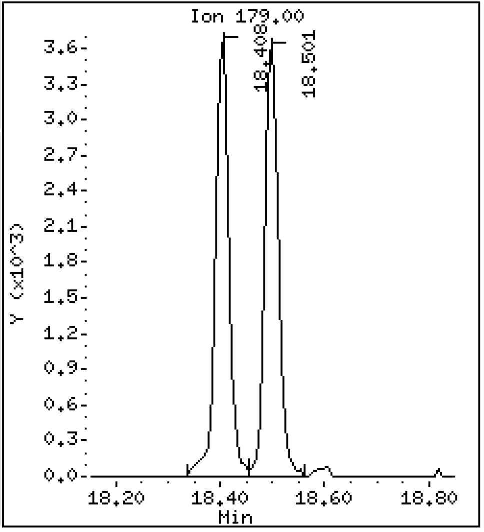


Date : 01-JAN-2023 00:42

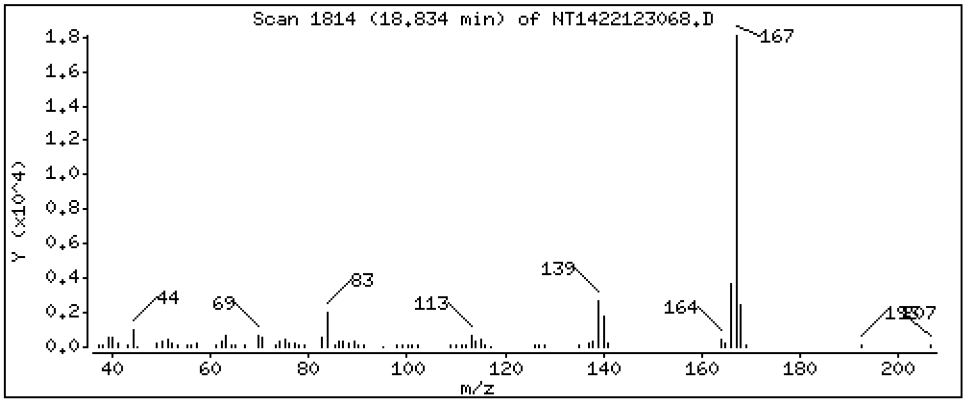
Client ID: Instrument: nt14.i

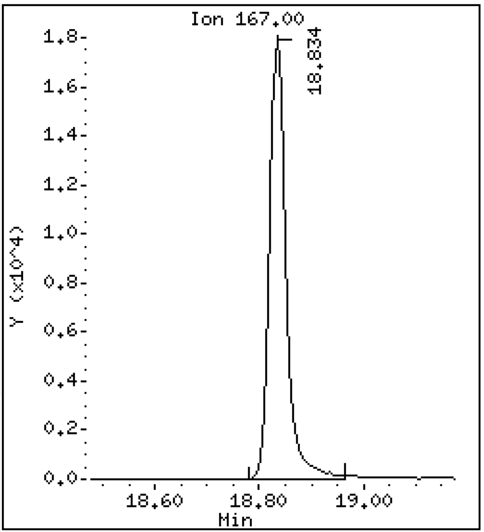
Sample Info: SKL0355-LCV4

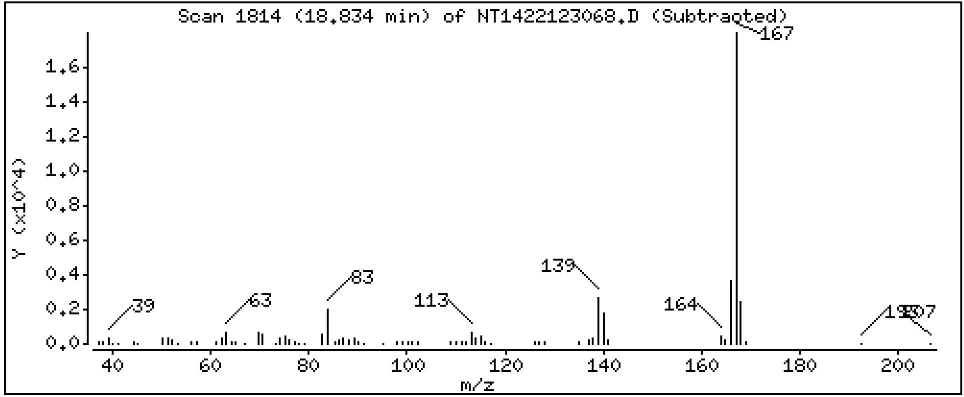
Operator: VTS

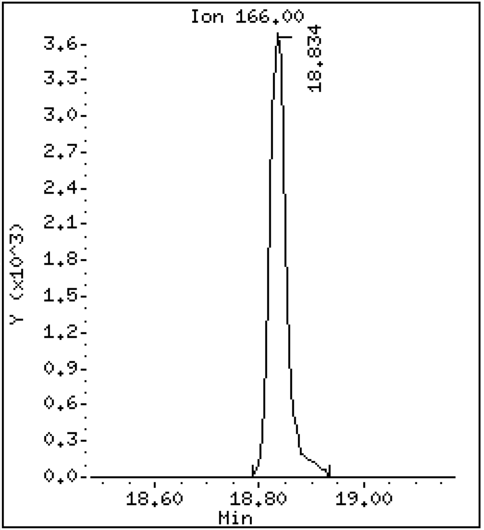
Column phase: ZB-5msi Column diameter: 0.25

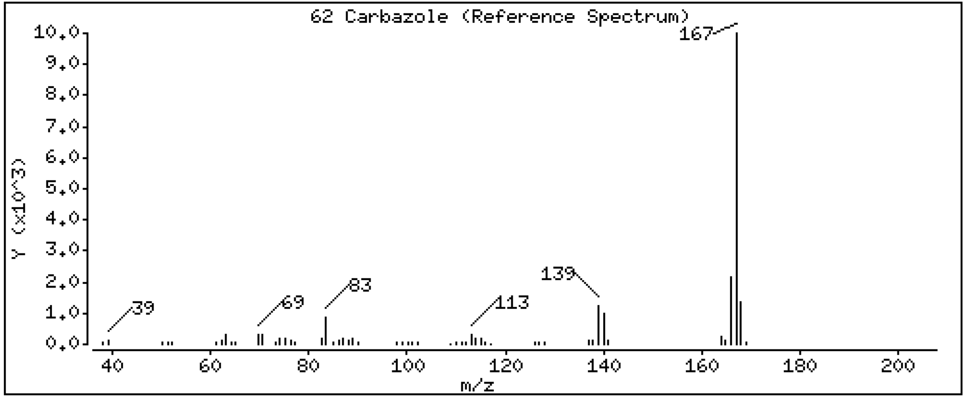
62 Carbazole Concentration: 0.4681 ug/mL

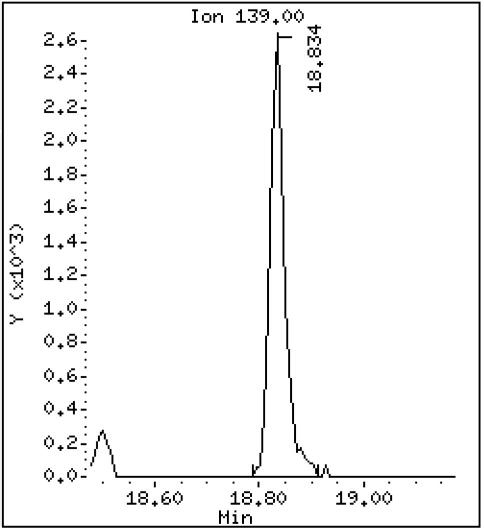


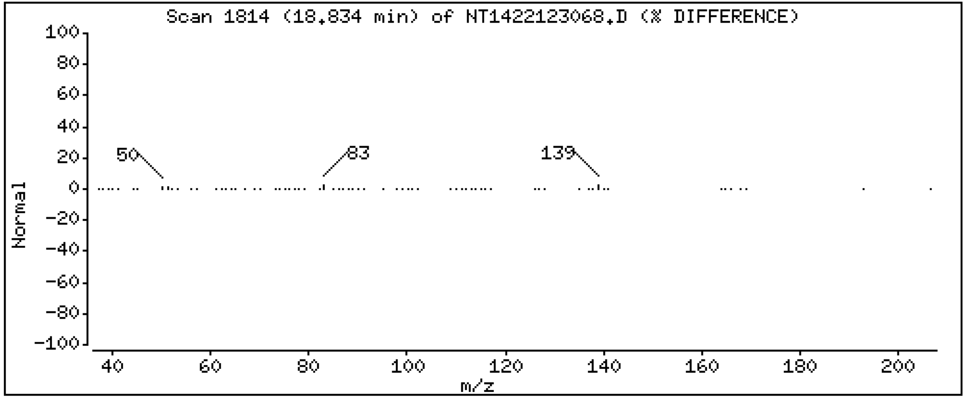












Data File: \\target\share\chem3\nt14.i\20221230C.b\NT1422123068.D

Date : 01-JAN-2023 00:42

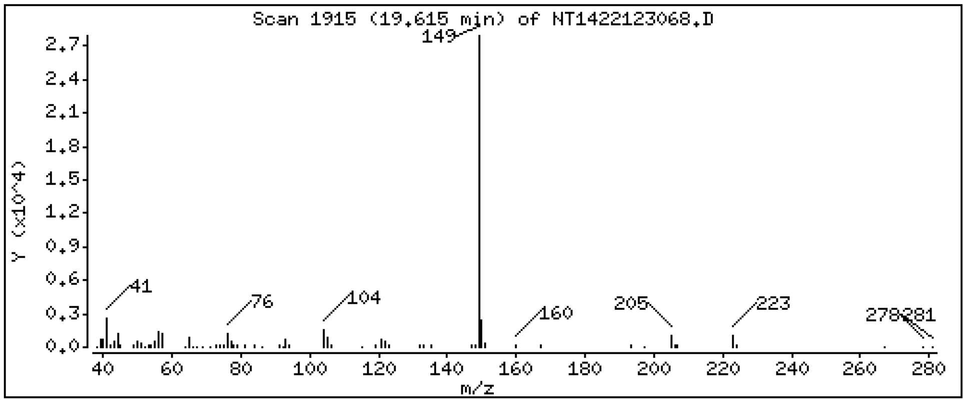
Client ID: Instrument: nt14.i

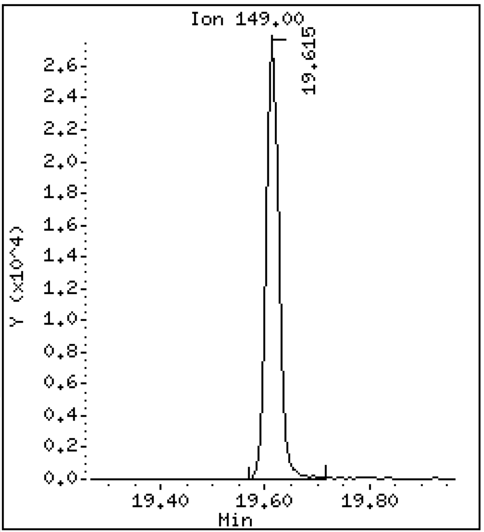
Sample Info: SKL0355-LCV4

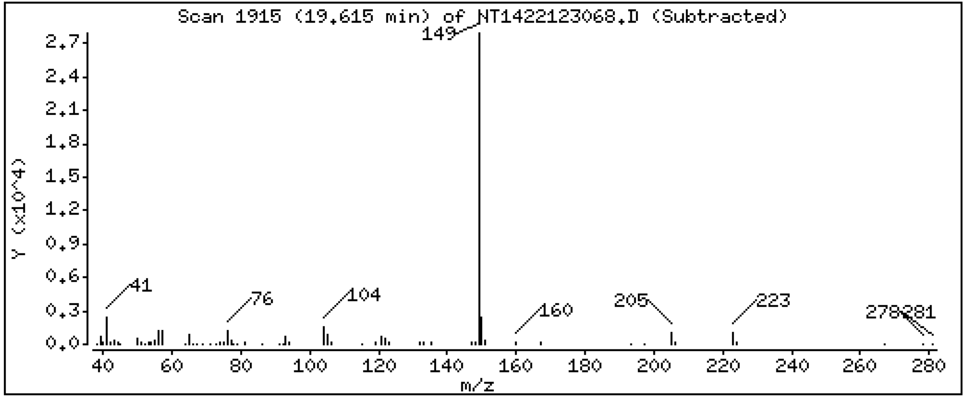
Operator: VTS

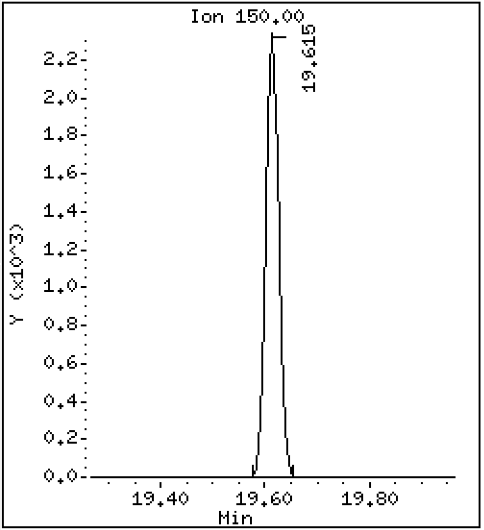
Column phase: ZB-5msi Column diameter: 0.25

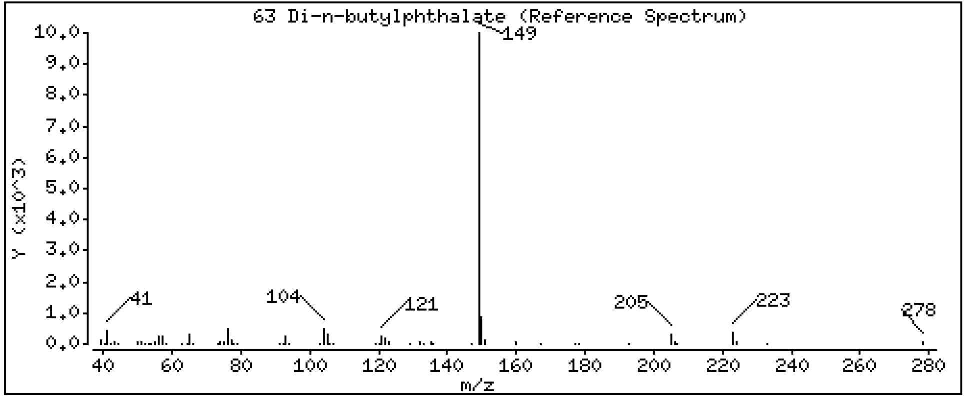
63 Di-n-butylphthalate Concentration: 0.4789 ug/mL

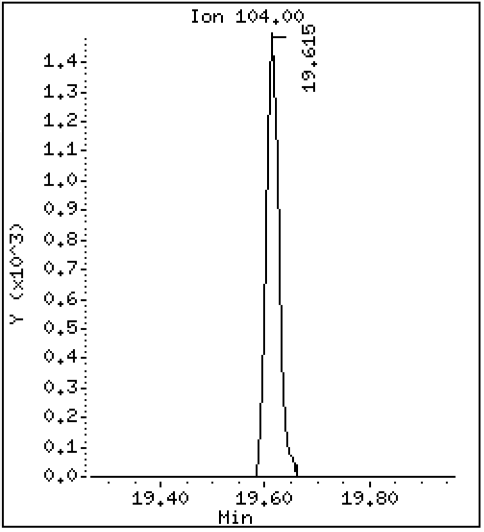

Scan 1915 (19.615 min) of NT1422123068.D

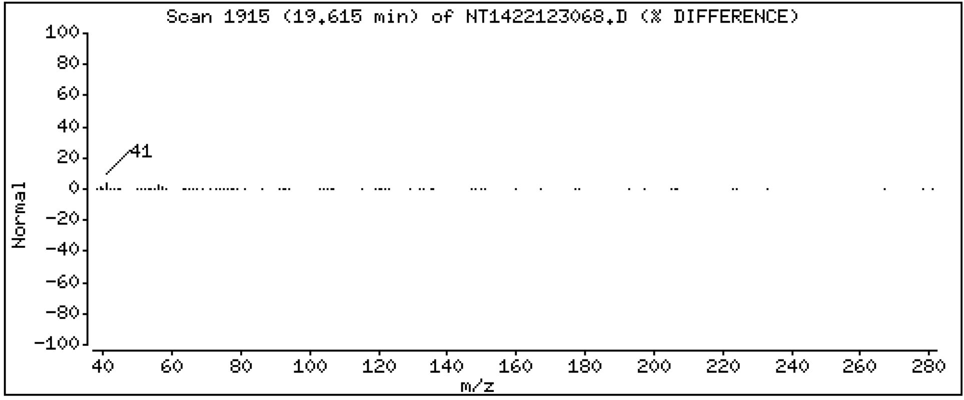

Ion 149.00


Scan 1915 (19.615 min) of NT1422123068.D (Subtracted)


Ion 150.00


63 Di-n-butylphthalate (Reference Spectrum)


Ion 104.00


Scan 1915 (19.615 min) of NT1422123068.D (% DIFFERENCE)

Data File: \\target\share\chem3\nt14.i\20221230C.b\NT1422123068.D

Date : 01-JAN-2023 00:42

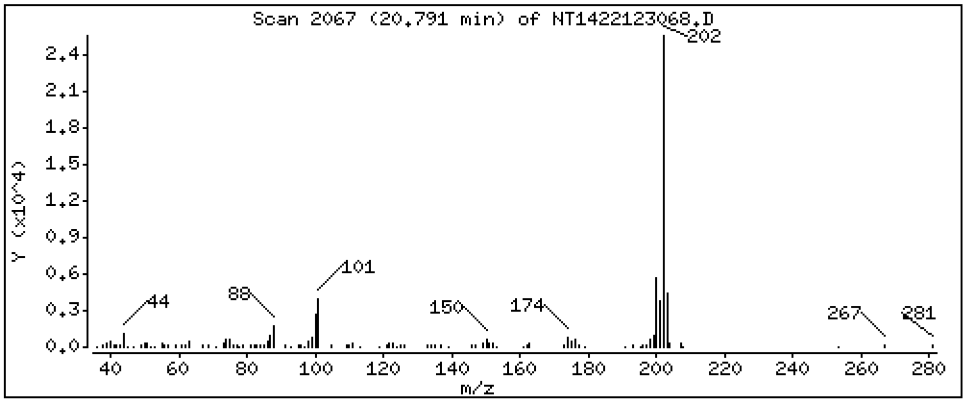
Client ID: Instrument: nt14.i

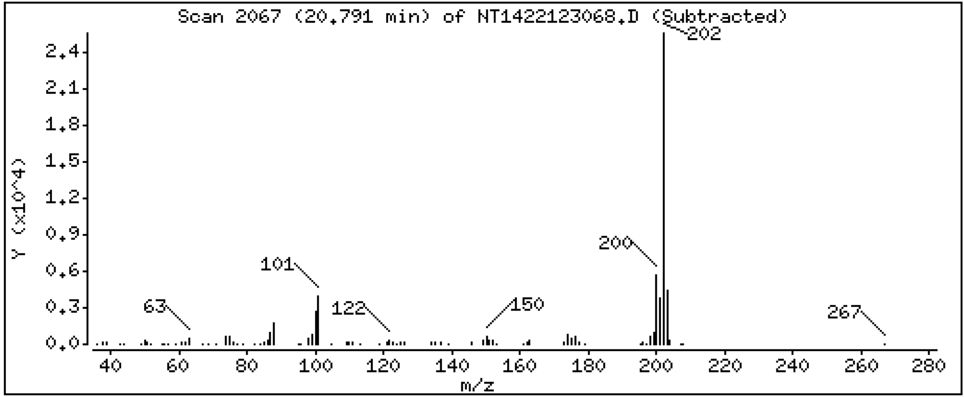
Sample Info: SKL0355-LCV4

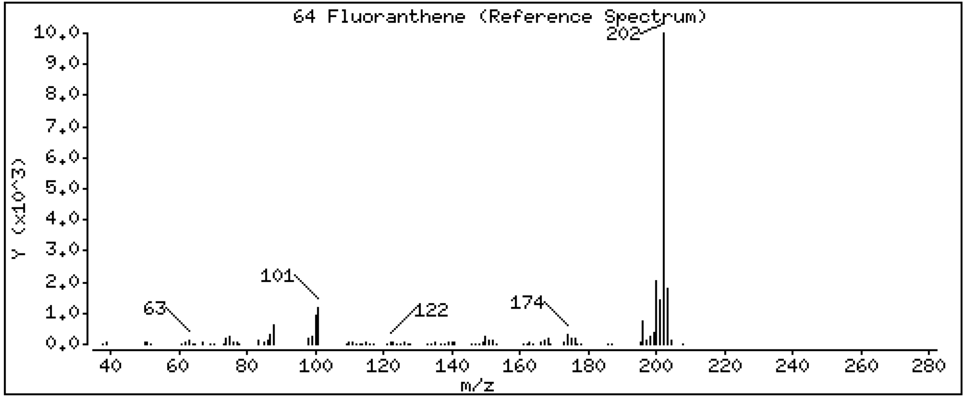
Operator: VTS

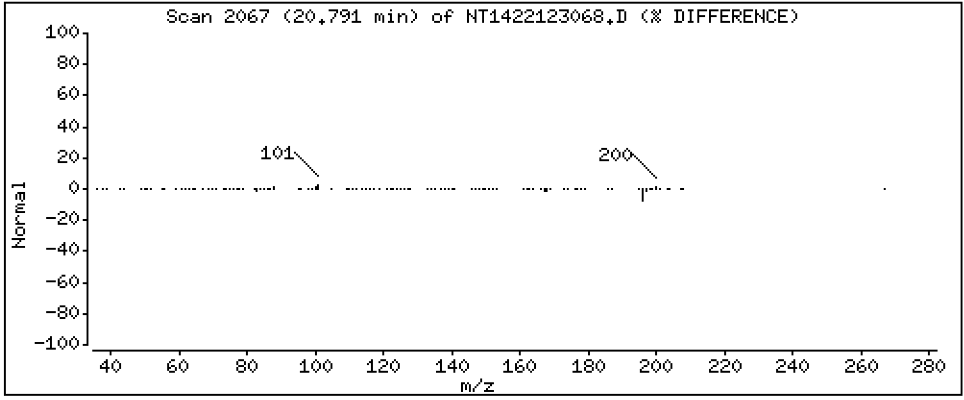
Column phase: ZB-5msi Column diameter: 0.25

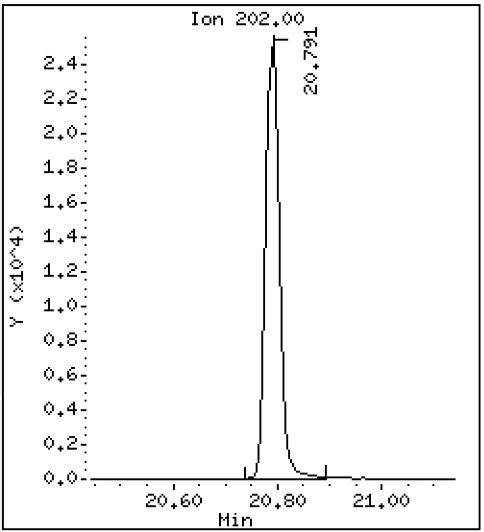
64 Fluoranthene Concentration: 0.4720 ug/mL

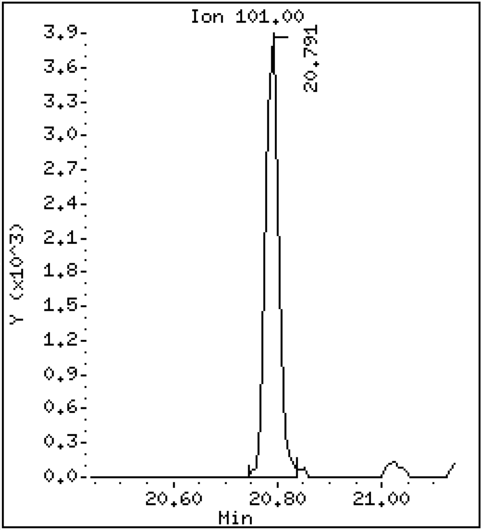


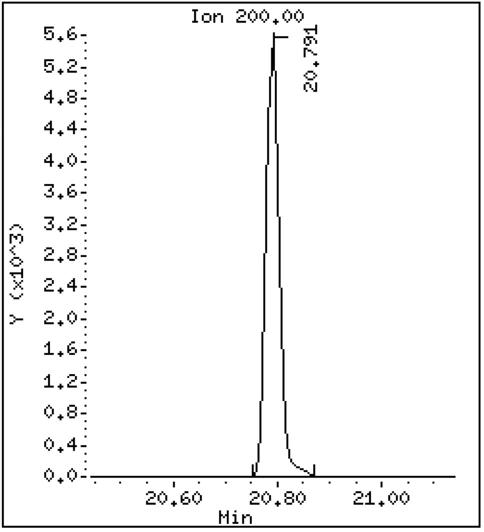












Data File: \\target\share\chem3\nt14.i\20221230C.b\NT1422123068.D Page 55

Date : 01-JAN-2023 00:42

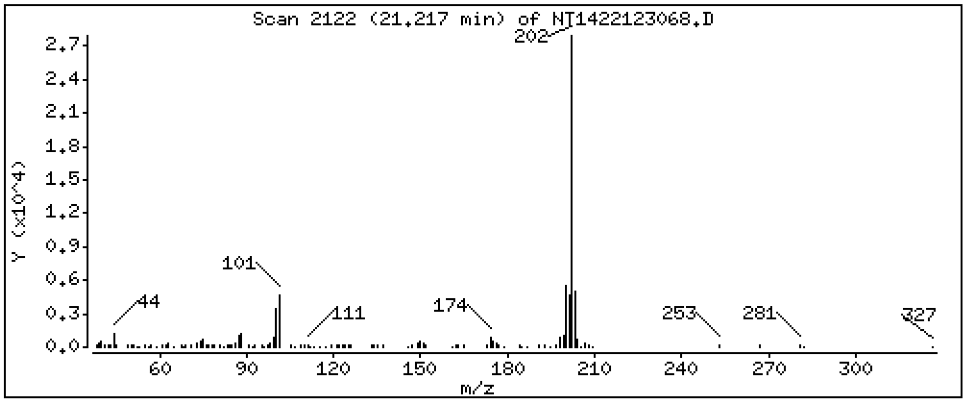
Client ID: Instrument: nt14.i

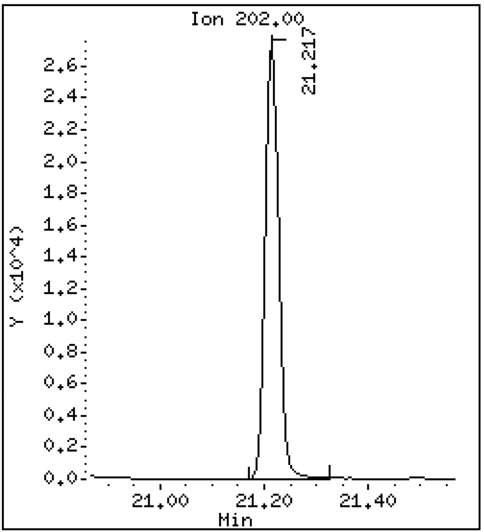
Sample Info: SKL0355-LCV4

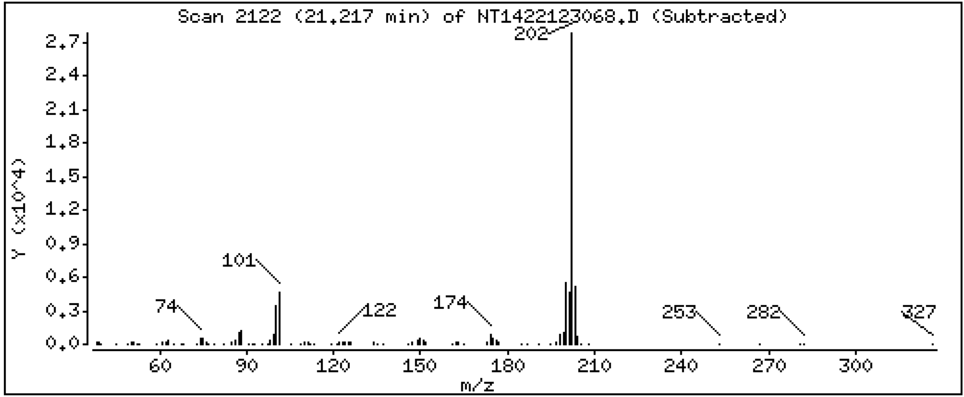
Operator: VTS

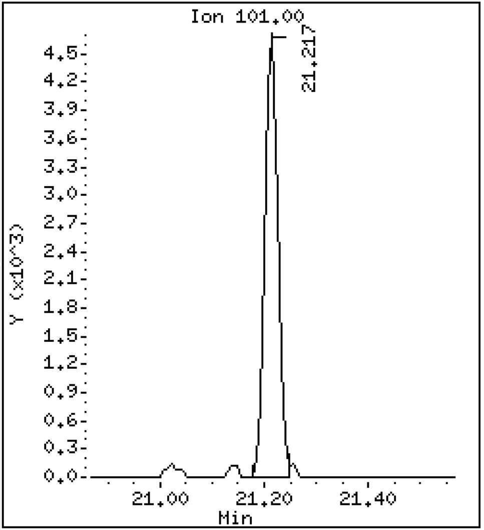
Column phase: ZB-5msi Column diameter: 0.25

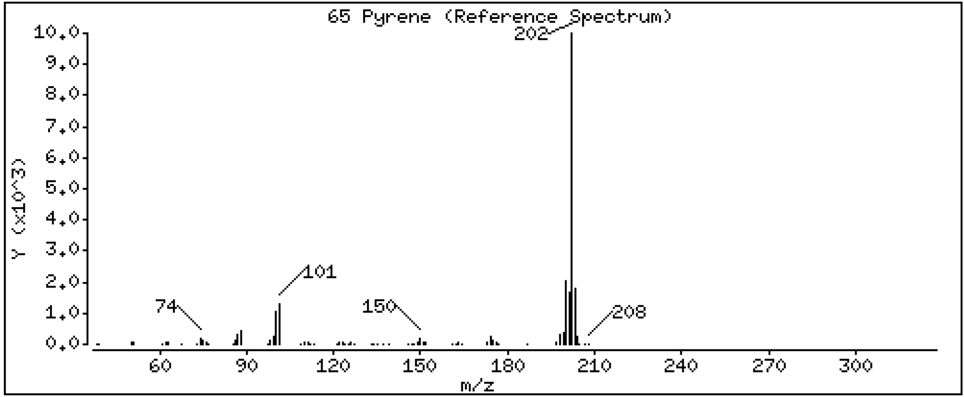
65 Pyrene Concentration: 0.4811 ug/mL

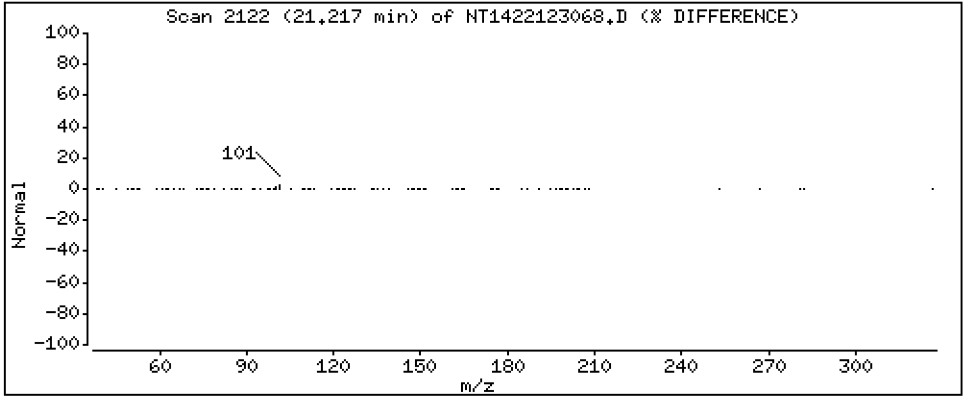


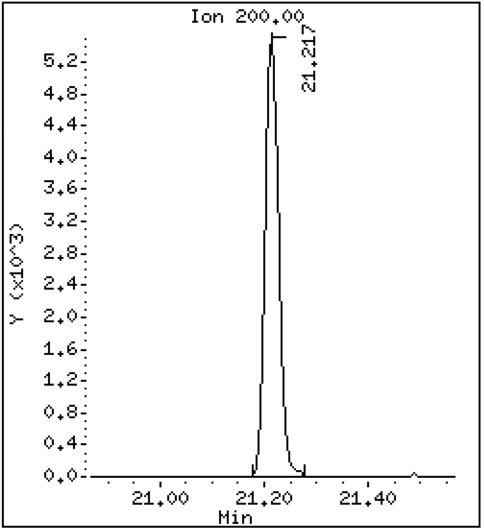












Data File: \\target\share\chem3\nt14.i\20221230C.b\NT1422123068.D

Date : 01-JAN-2023 00:42

Client ID:

Instrument: nt14.i

Sample Info: SKL0355-LCV4

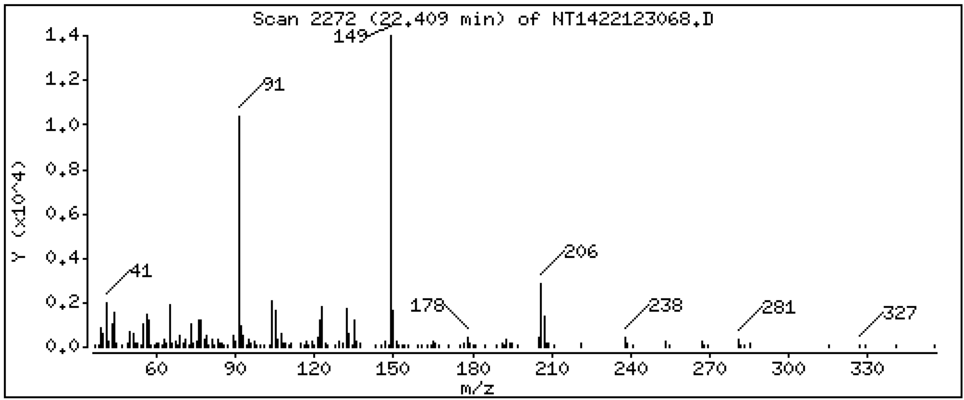
Operator: VTS

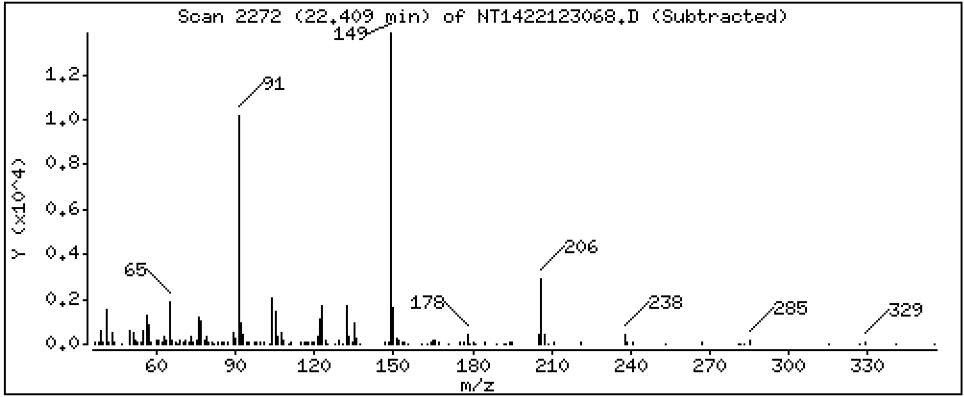
Column phase: ZB-5msi

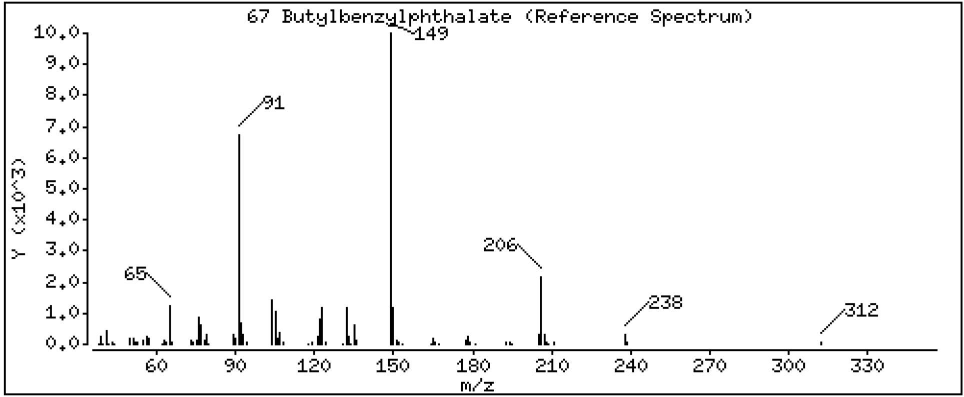
Column diameter: 0.25

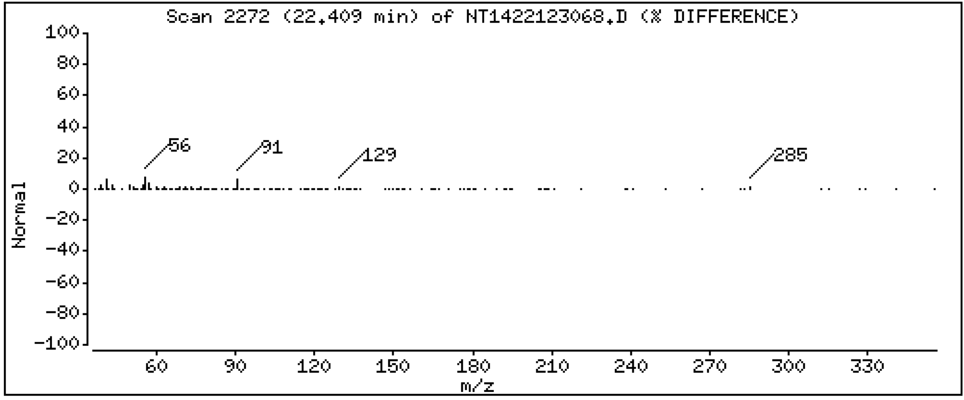
67 Butylbenzylphthalate

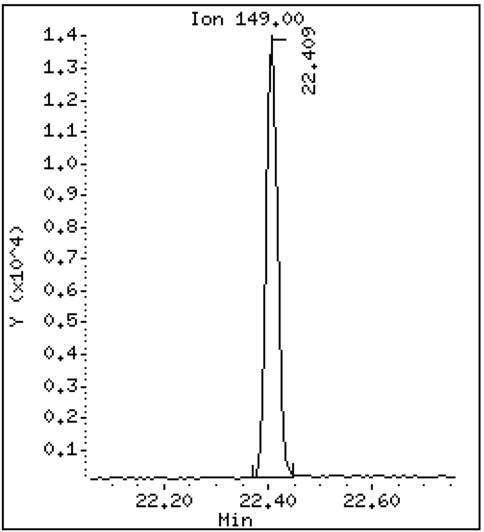
Concentration: 0.5261 ug/mL

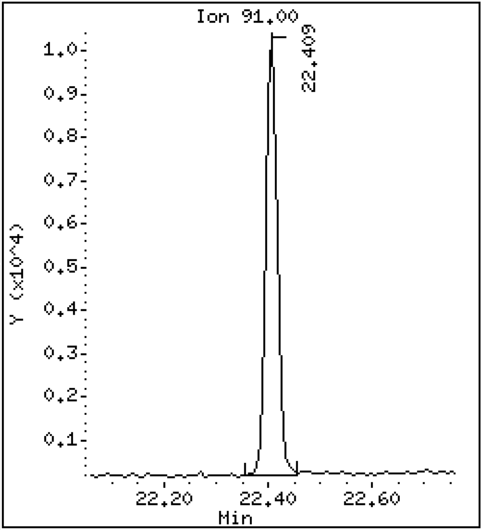

Scan 2272 (22.409 min) of NT1422123068.D

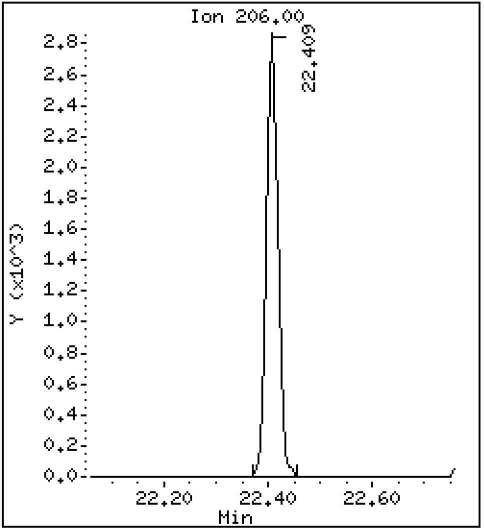

Scan 2272 (22.409 min) of NT1422123068.D (Subtracted)


67 Butylbenzylphthalate (Reference Spectrum)


Scan 2272 (22.409 min) of NT1422123068.D (% DIFFERENCE)


Ion 149.00


Ion 91.00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Data File: \\target\share\chem3\nt14.i\20221230C.b\NT1422123068.D

Date : 01-JAN-2023 00:42

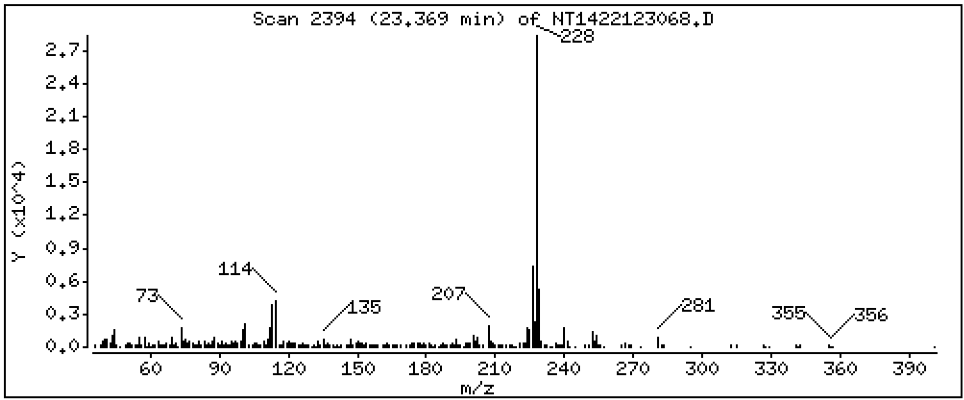
Client ID: Instrument: nt14.i

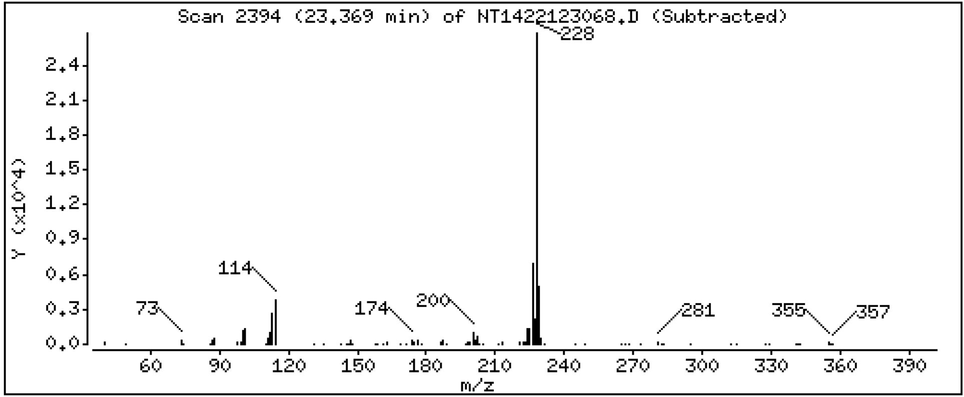
Sample Info: SKL0355-LCV4

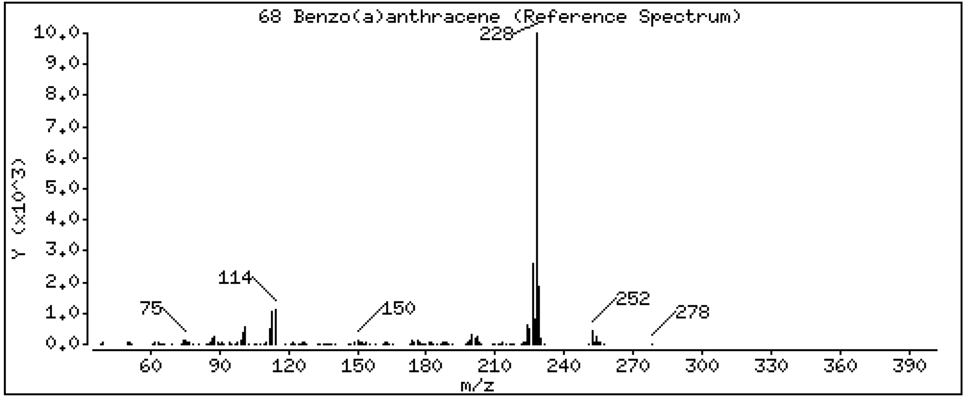
Operator: VTS

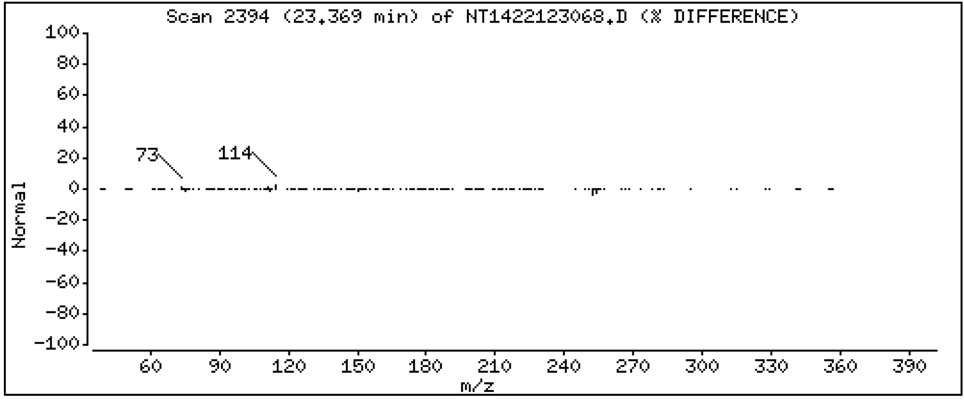
Column phase: ZB-5msi Column diameter: 0.25

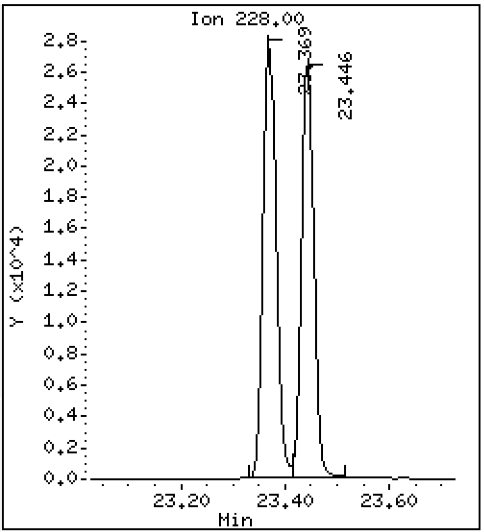
68 Benzo(a)anthracene Concentration: 0.5206 ug/mL


Scan 2394 (23.369 min) of NT1422123068.D


Scan 2394 (23.369 min) of NT1422123068.D (Subtracted)


68 Benzo(a)anthracene (Reference Spectrum)


Scan 2394 (23.369 min) of NT1422123068.D (% DIFFERENCE)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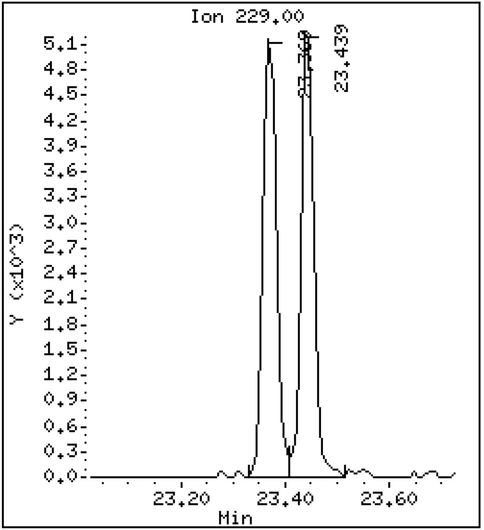
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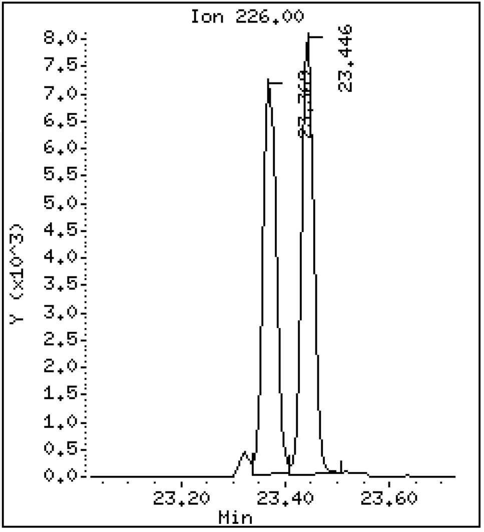

Ion 226.00

Data File: \\target\share\chem3\nt14.i\20221230C.b\NT1422123068.D

Date : 01-JAN-2023 00:42

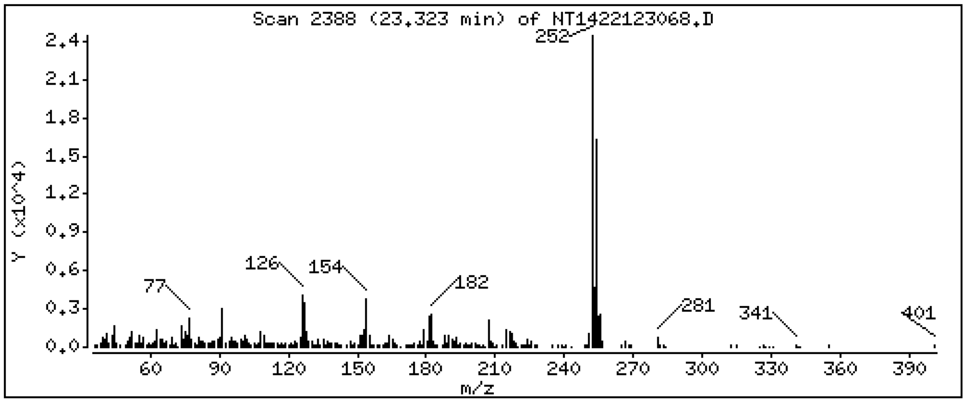
Client ID: Instrument: nt14.i

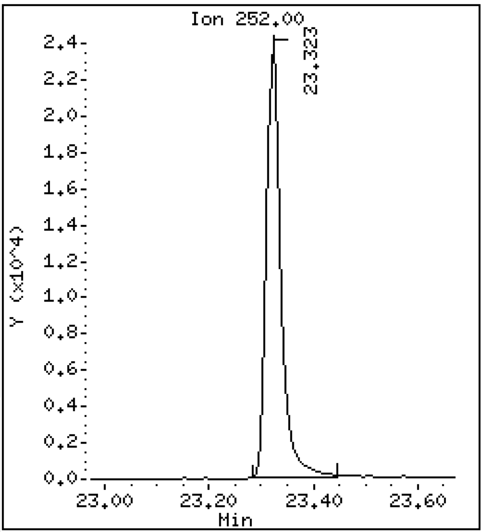
Sample Info: SKL0355-LCV4

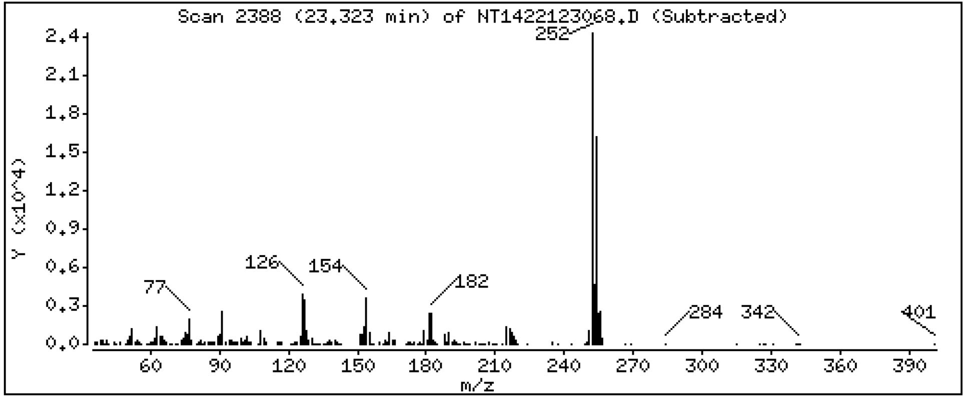
Operator: VTS

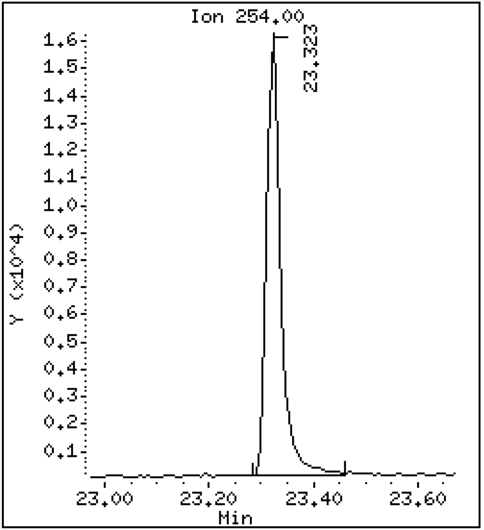
Column phase: ZB-5msi Column diameter: 0.25

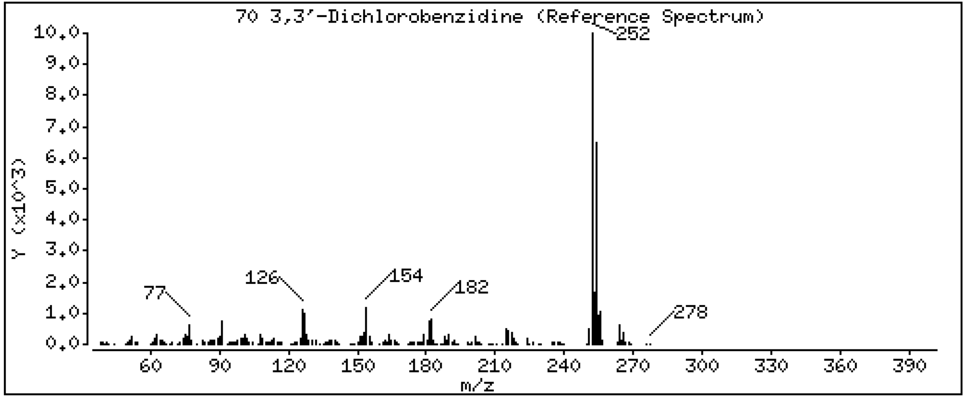
70 3,3'-Dichlorobenzidine Concentration: 1.641 ug/mL

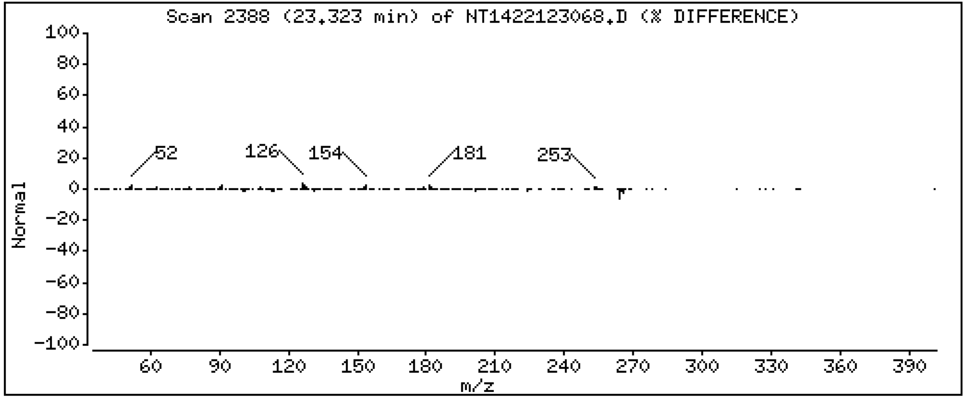


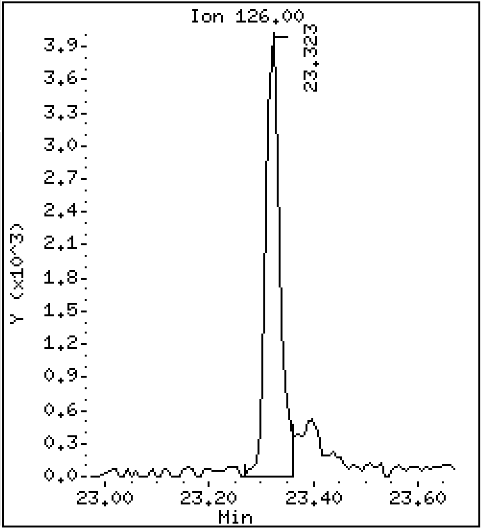












Data File: \\target\share\chem3\nt14.i\20221230C.b\NT1422123068.D

Date : 01-JAN-2023 00:42

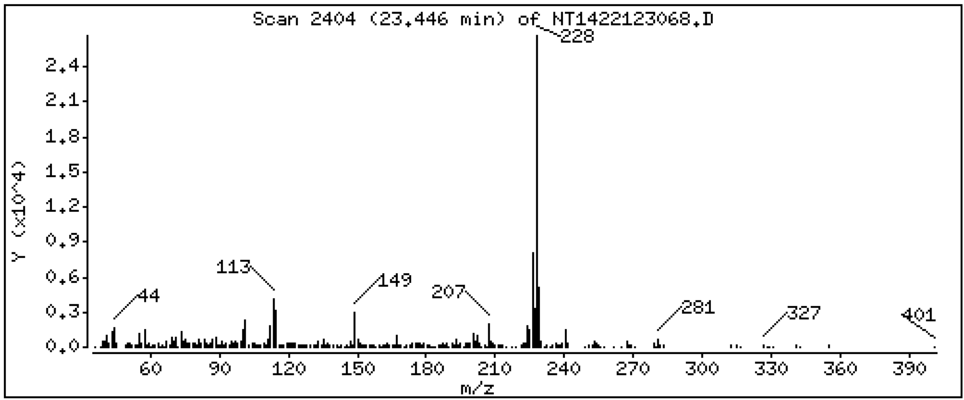
Client ID: Instrument: nt14.i

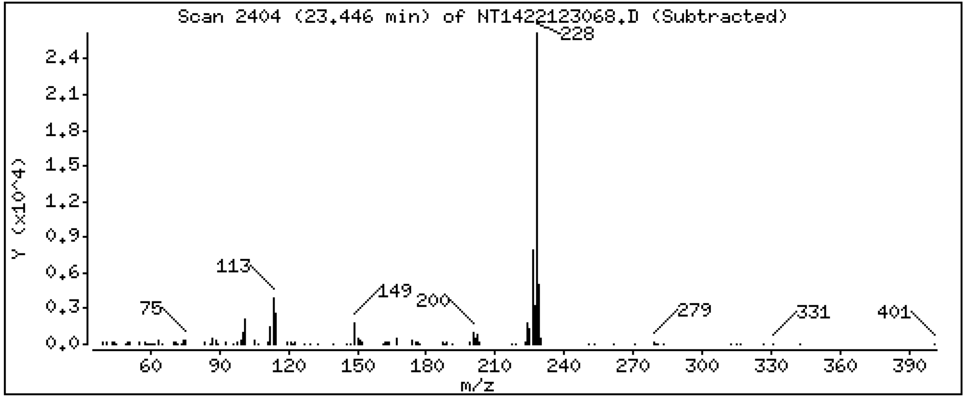
Sample Info: SKL0355-LCV4

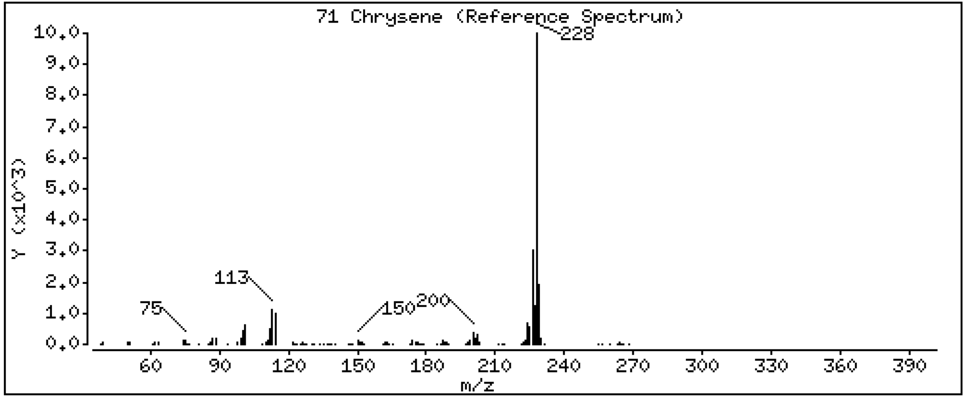
Operator: VTS

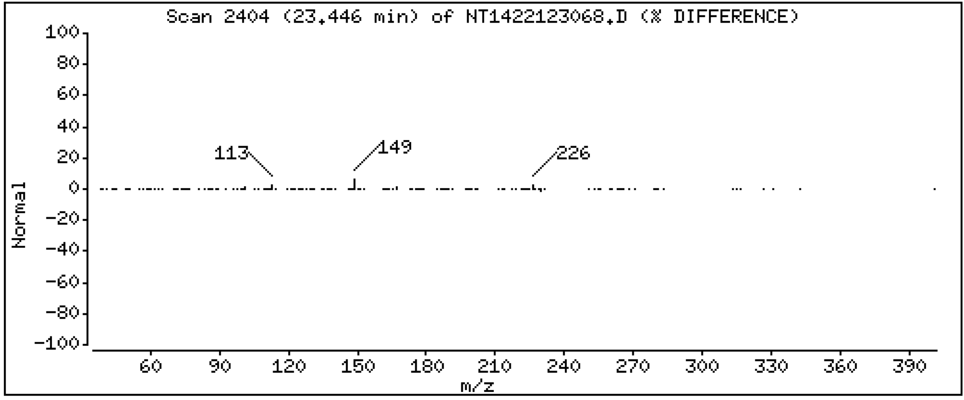
Column phase: ZB-5msi Column diameter: 0.25

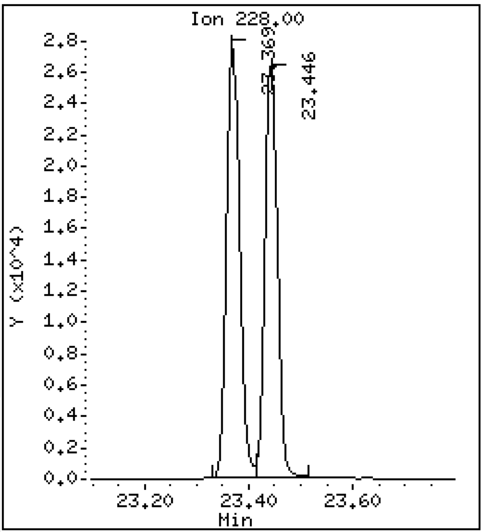
71 Chrysene Concentration: 0.5001 ug/mL

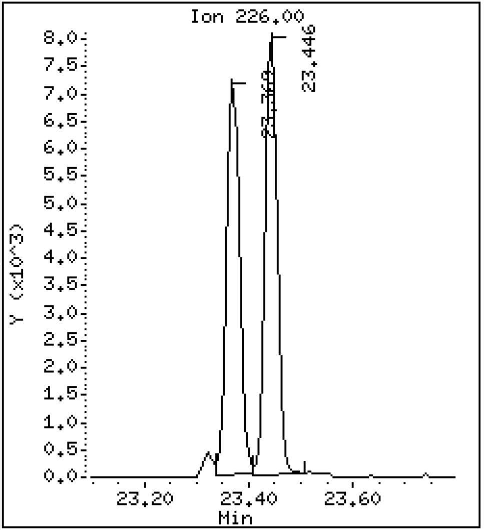


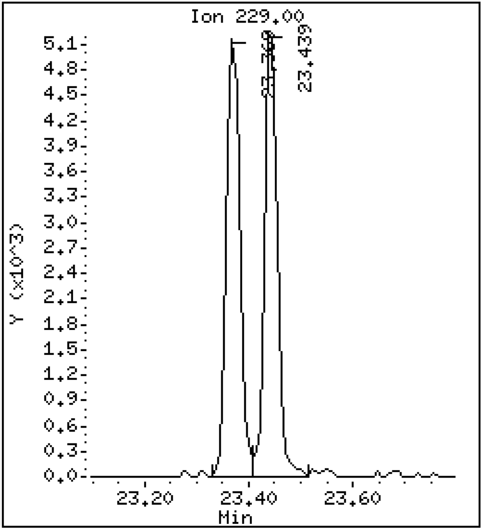












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Date : 01-JAN-2023 00:42

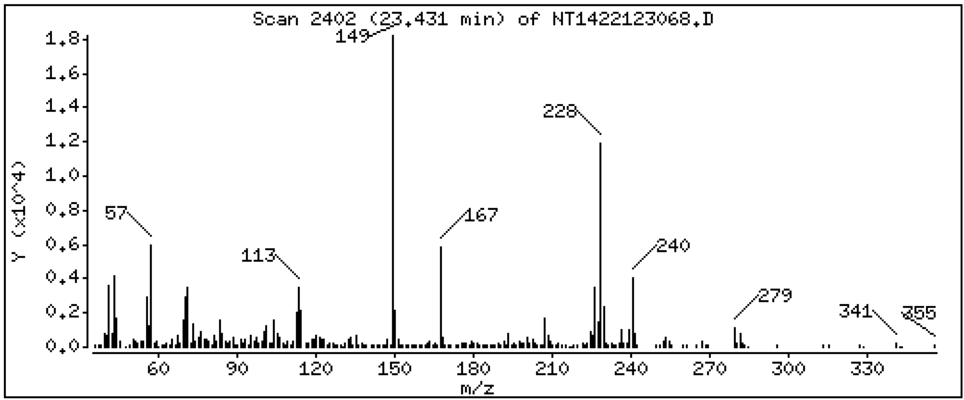
Client ID: Instrument: nt14.i

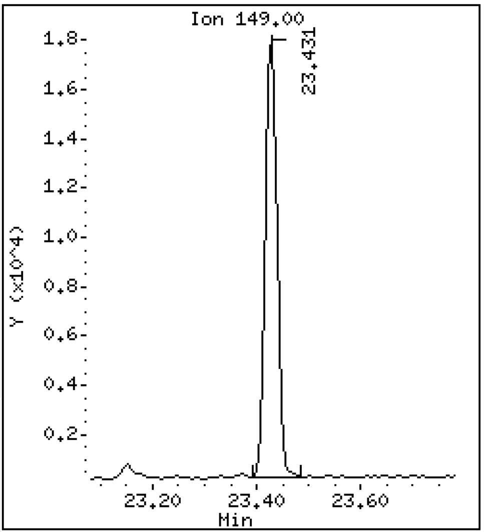
Sample Info: SKL0355-LCV4

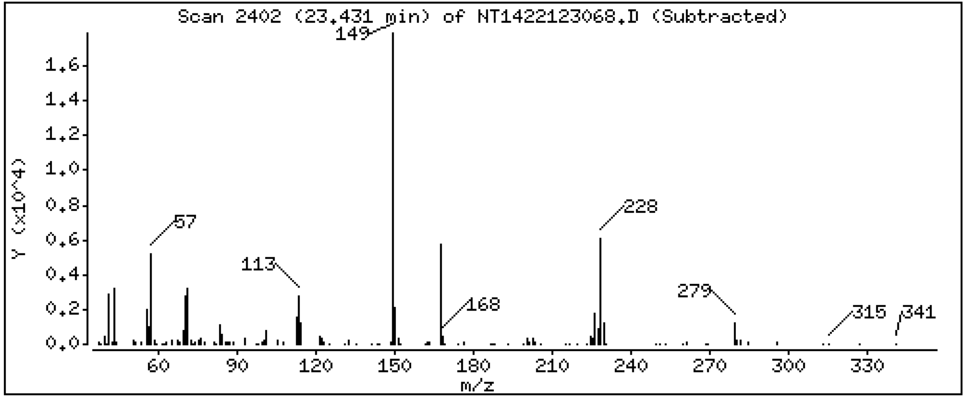
Operator: VTS

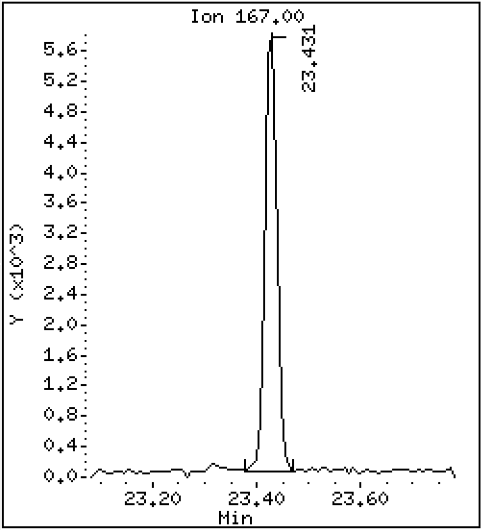
Column phase: ZB-5msi Column diameter: 0.25

72 bis(2-Ethylhexyl)phthalate Concentration: 0.5136 ug/mL


Scan 2402 (23.431 min) of NT1422123068.D


Ion 149.00


Scan 2402 (23.431 min) of NT1422123068.D (Subtracted)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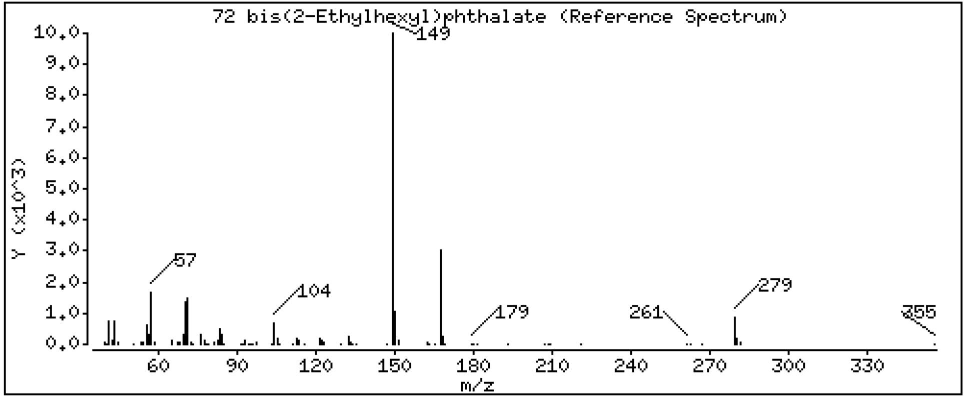
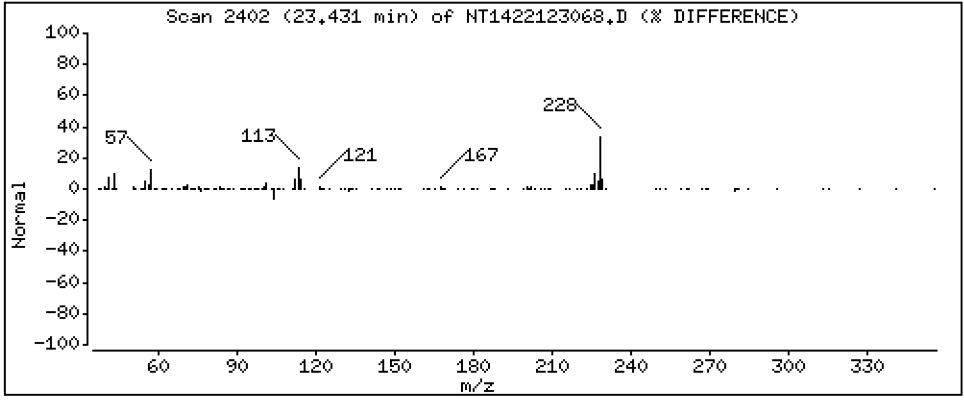
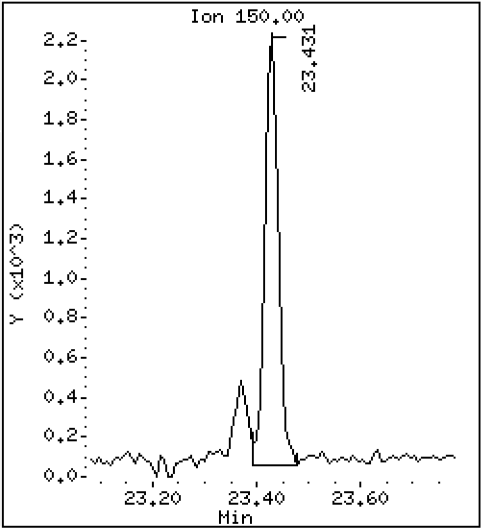

72 bis(2-Ethylhexyl)phthalate (Reference Spectrum)


Scan 2402 (23.431 min) of NT1422123068.D (% DIFFERENCE)


Ion 150.00

Data File: \\target\share\chem3\nt14.i\20221230C.b\NT1422123068.D

Date : 01-JAN-2023 00:42

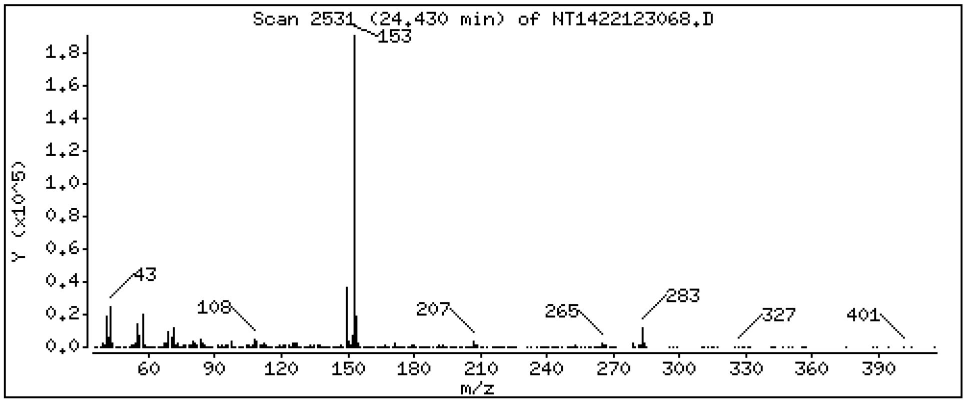
Client ID: Instrument: nt14.i

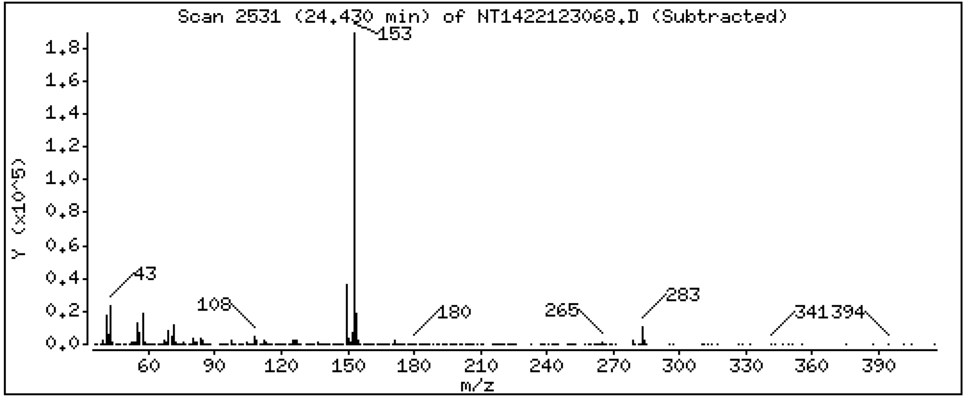
Sample Info: SKL0355-LCV4

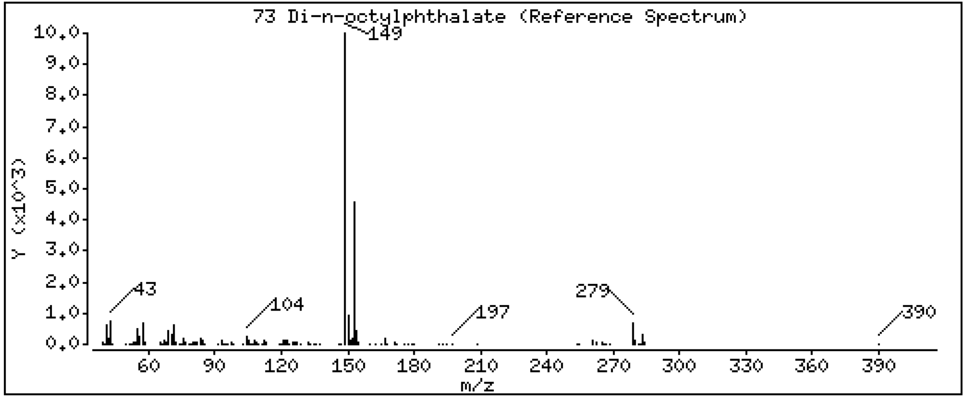
Operator: VTS

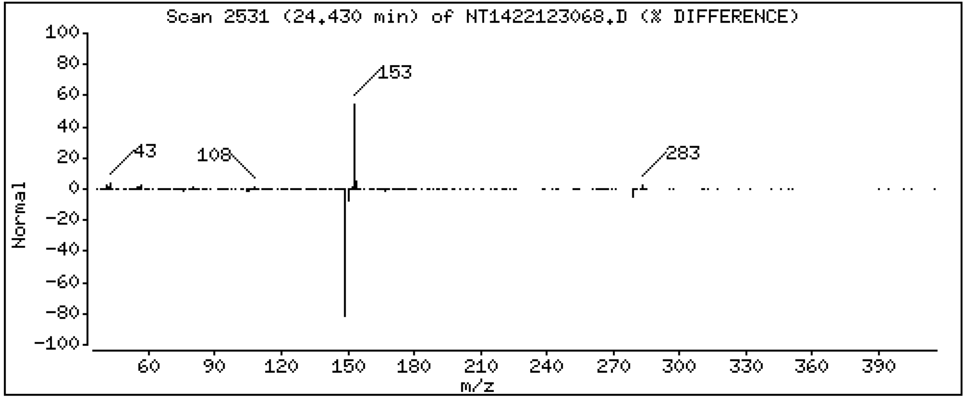
Column phase: ZB-5msi Column diameter: 0.25

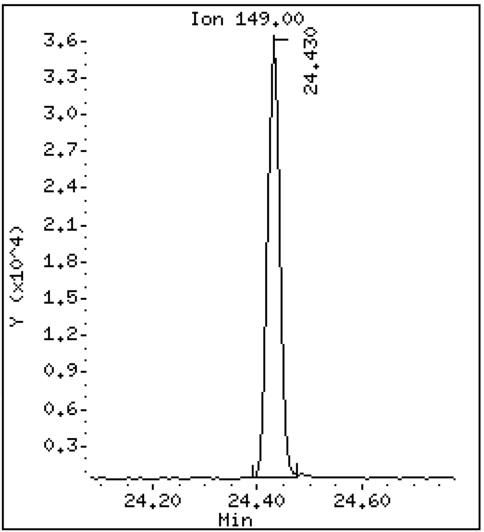
73 Di-n-octylphthalate Concentration: 0.4900 ug/mL

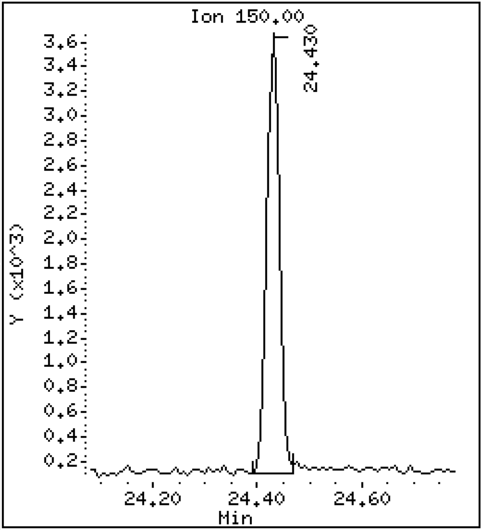

Scan 2531 (24.430 min) of NT1422123068.D

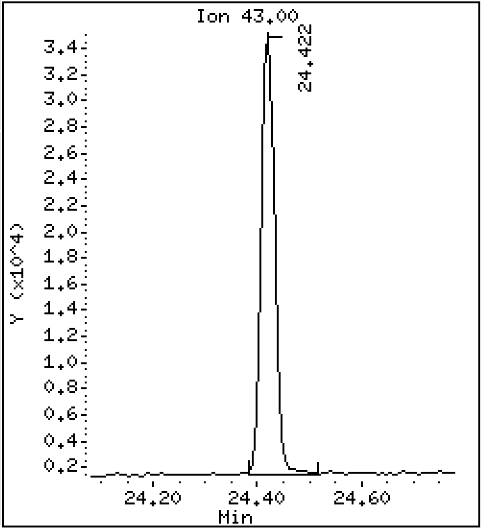

Scan 2531 (24.430 min) of NT1422123068.D (Subtracted)


73 Di-n-octylphthalate (Reference Spectrum)


Scan 2531 (24.430 min) of NT1422123068.D (% DIFFERENCE)


Ion 149.00


Ion 150.00


Ion 43.00

Data File: \\target\share\chem3\nt14.i\20221230C.b\NT1422123068.D

Date : 01-JAN-2023 00:42

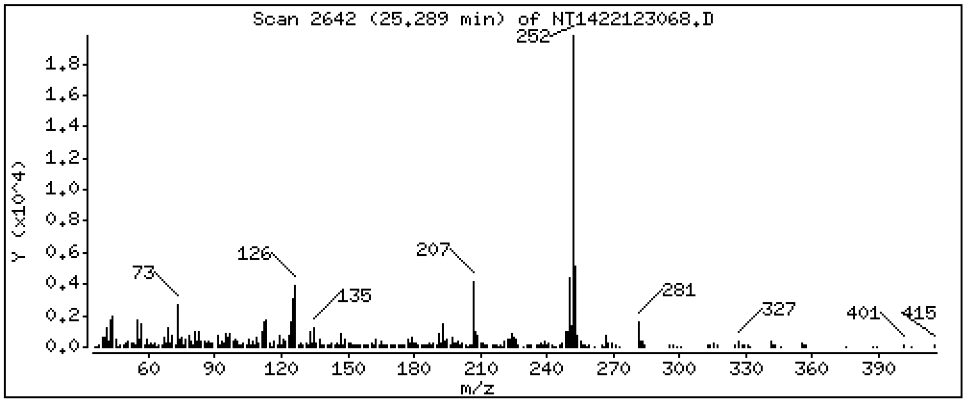
Client ID: Instrument: nt14.i

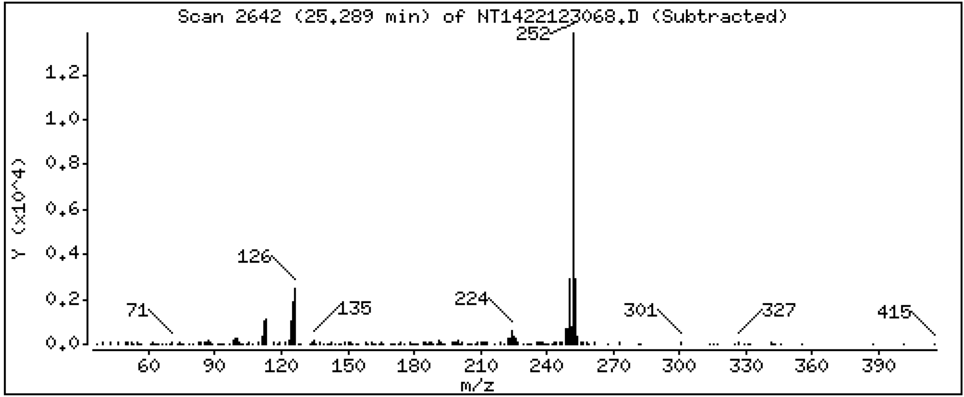
Sample Info: SKL0355-LCV4

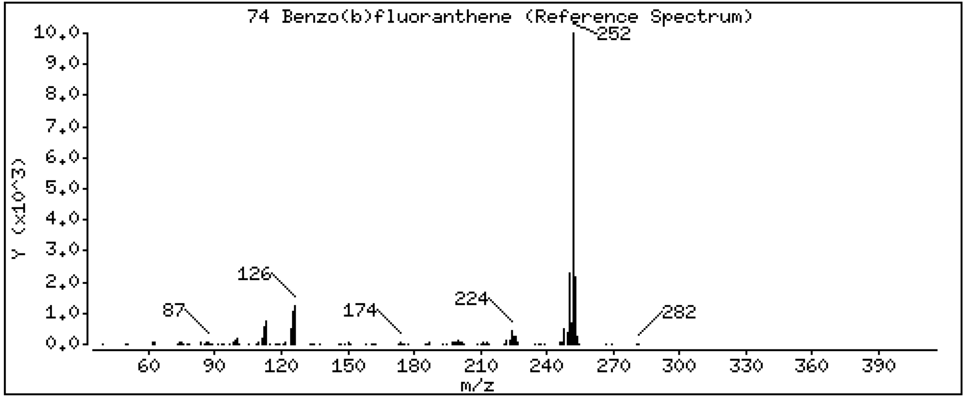
Operator: VTS

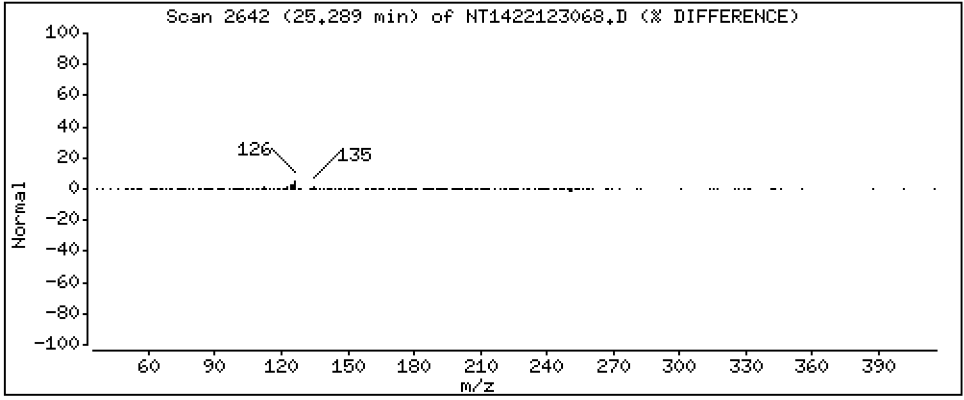
Column phase: ZB-5msi Column diameter: 0.25

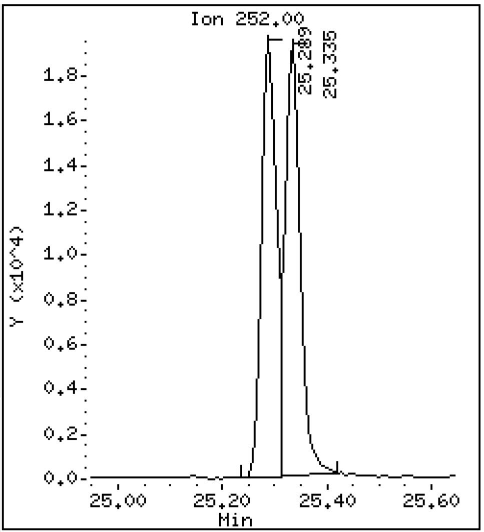
74 Benzo(b)fluoranthene Concentration: 0.5437 ug/mL

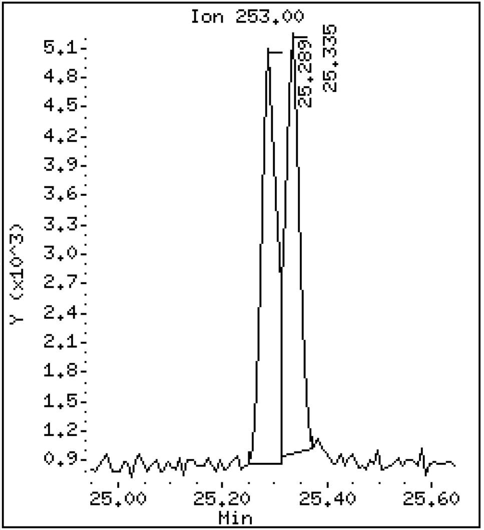

Scan 2642 (25.289 min) of NT1422123068.D

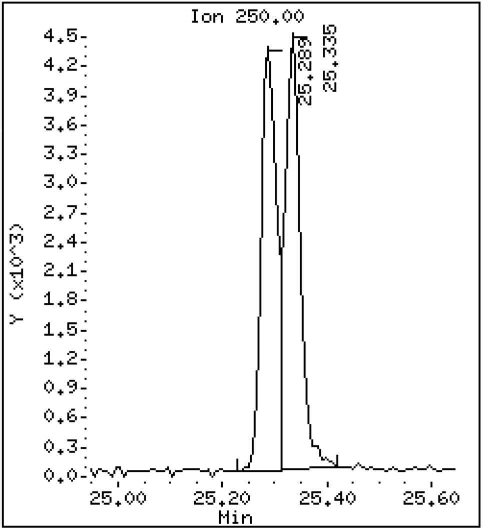

Scan 2642 (25.289 min) of NT1422123068.D (Subtracted)


74 Benzo(b)fluoranthene (Reference Spectrum)


Scan 2642 (25.289 min) of NT1422123068.D (% DIFFERENCE)


Ion 252.00


Ion 253.00


Ion 250.00

Date : 01-JAN-2023 00:42

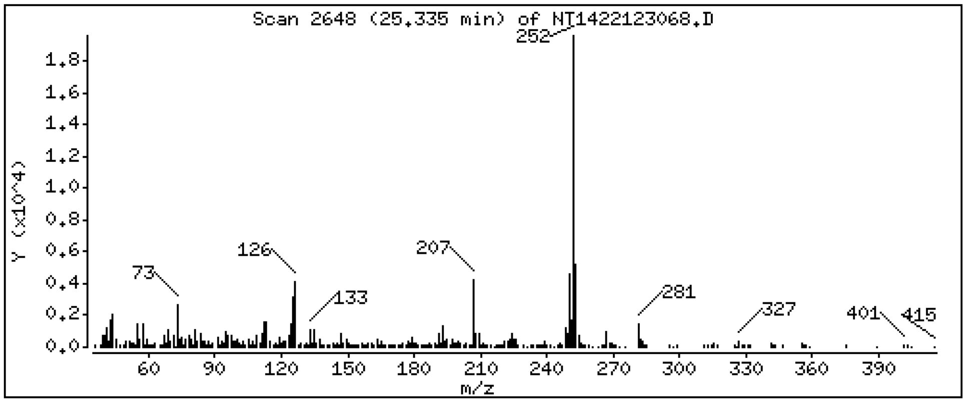
Client ID: Instrument: nt14.i

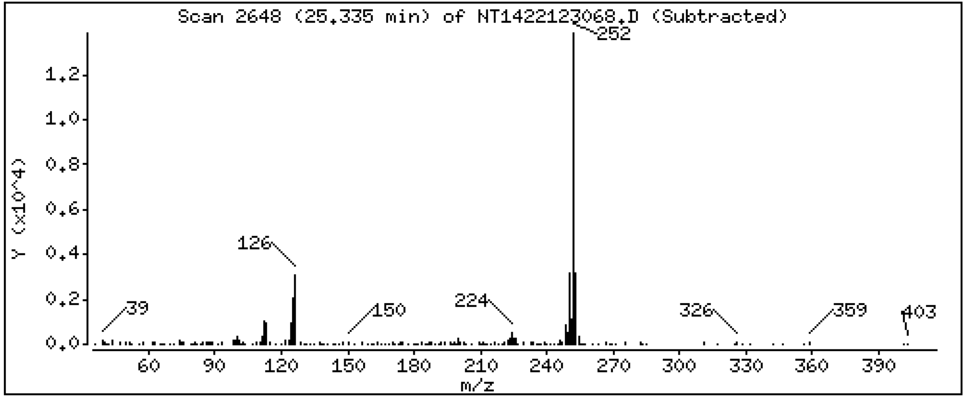
Sample Info: SKL0355-LCV4

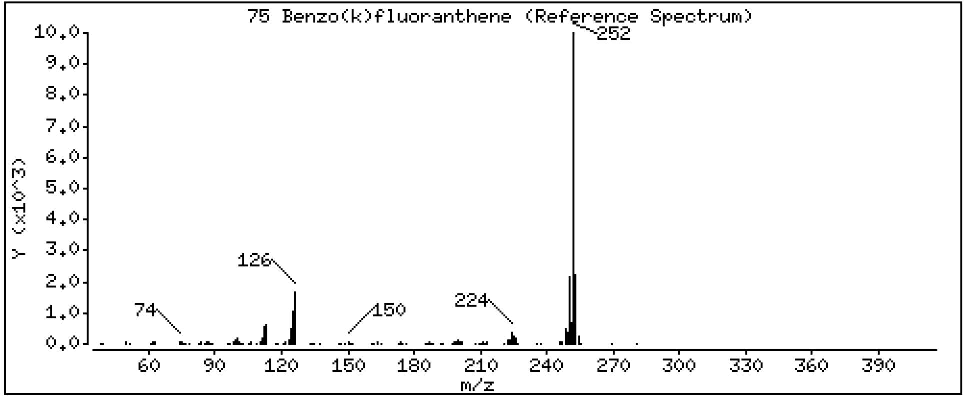
Operator: VTS

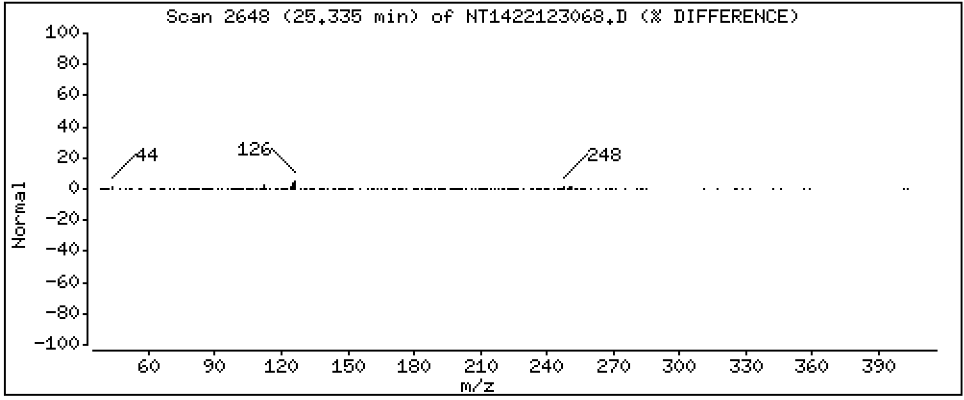
Column phase: ZB-5msi Column diameter: 0.25

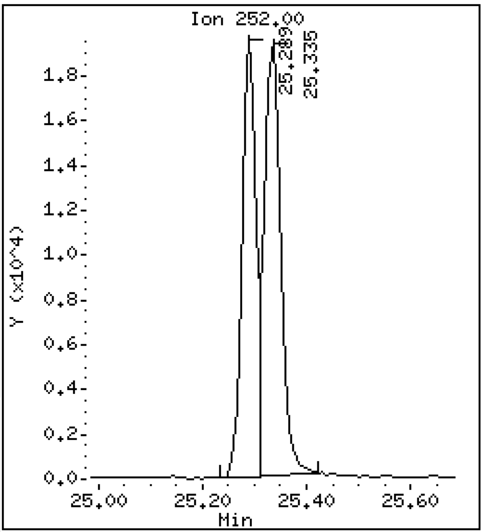
75 Benzo(k)fluoranthene Concentration: 0.5702 ug/mL


Scan 2648 (25.335 min) of NT1422123068.D


Scan 2648 (25.335 min) of NT1422123068.D (Subtracted)


75 Benzo(k)fluoranthene (Reference Spectrum)


Scan 2648 (25.335 min) of NT1422123068.D (% DIFFERENCE)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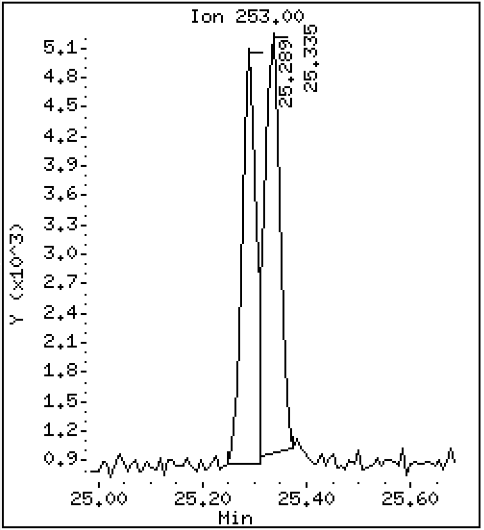
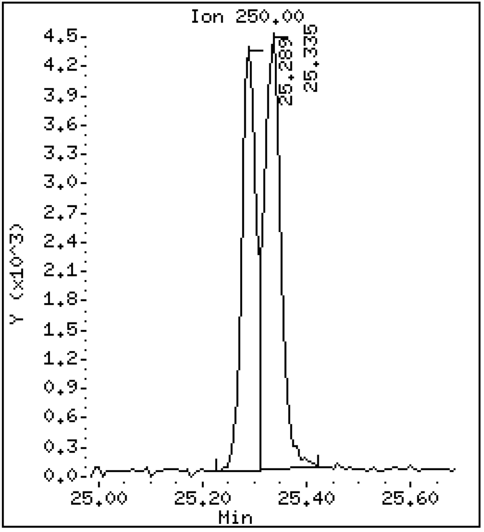

Ion 253.00


Ion 250.00

Data File: \\target\share\chem3\nt14.i\20221230C.b\NT1422123068.D

Date : 01-JAN-2023 00:42

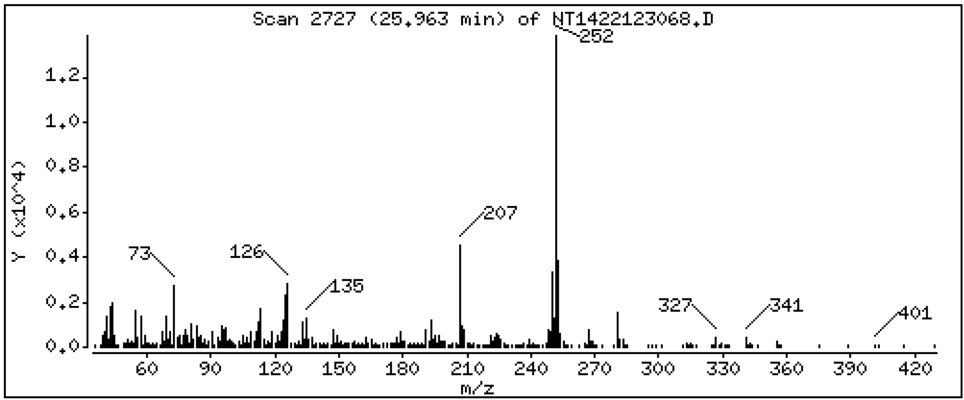
Client ID: Instrument: nt14.i

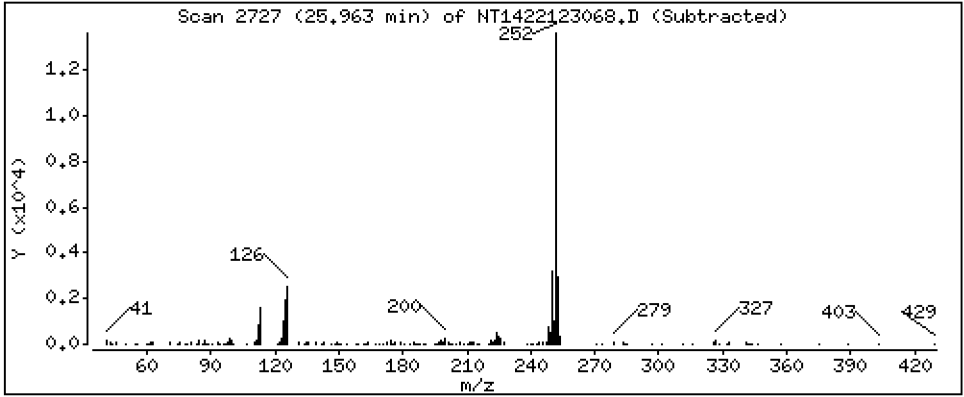
Sample Info: SKL0355-LCV4

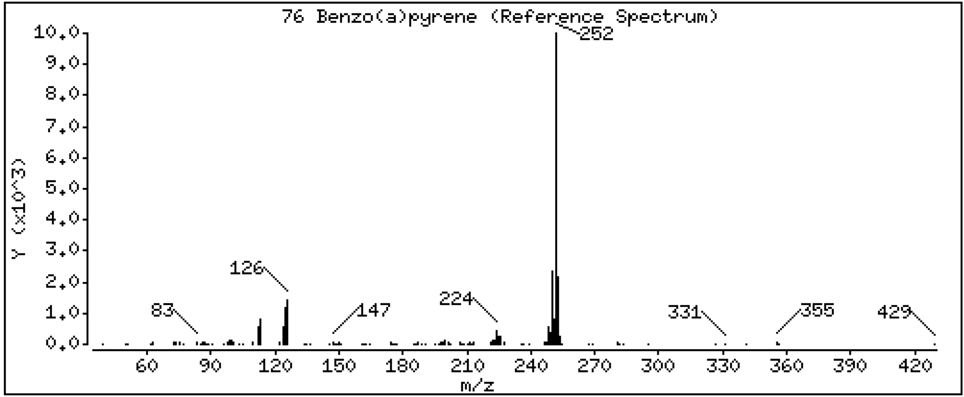
Operator: VTS

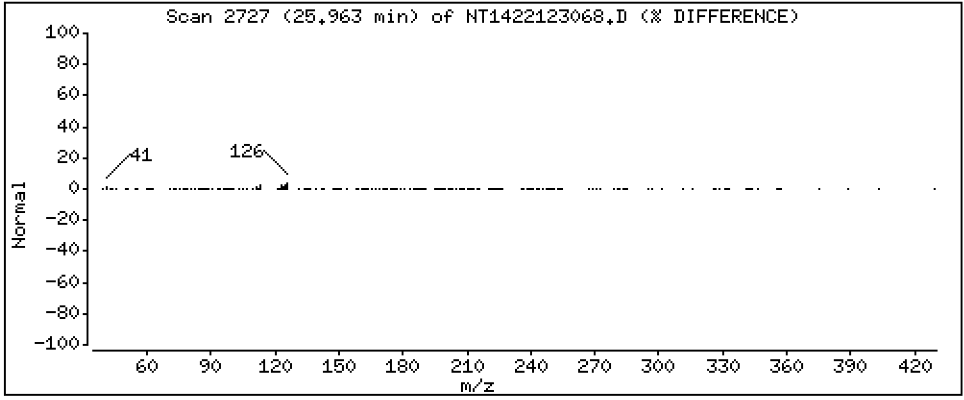
Column phase: ZB-5msi Column diameter: 0.25

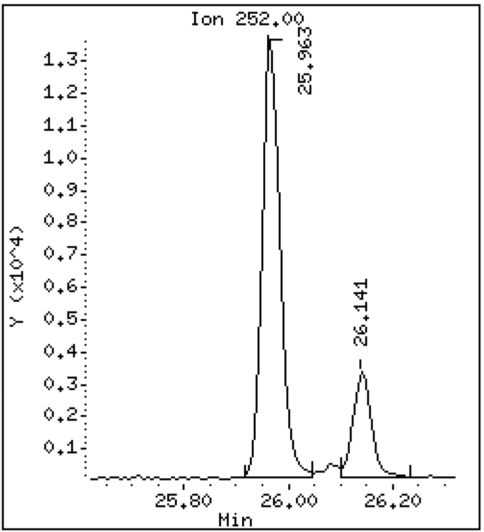
76 Benzo(a)pyrene Concentration: 0.5296 ug/mL

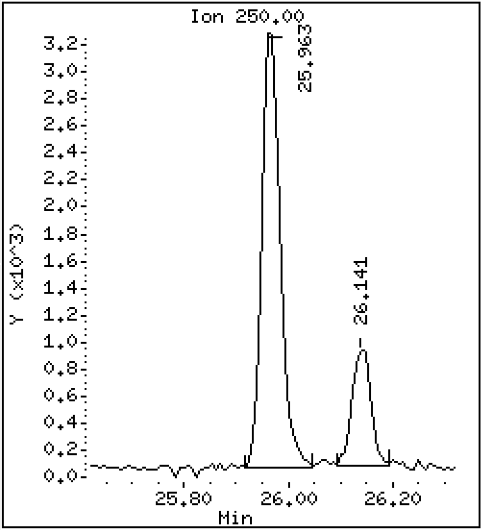


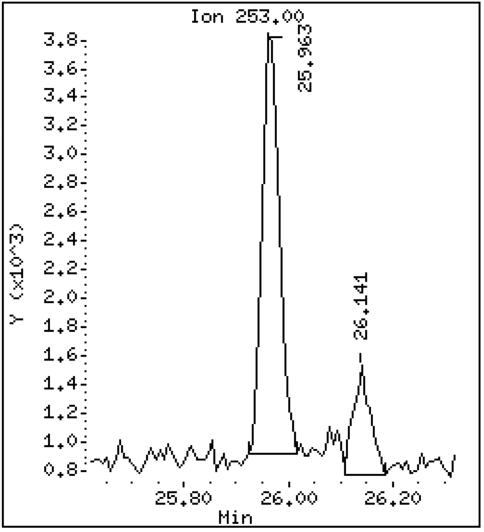












Data File: \\target\share\chem3\nt14.i\20221230C.b\NT1422123068.D

Date : 01-JAN-2023 00:42

Client ID:

Instrument: nt14.i

Sample Info: SKL0355-LCV4

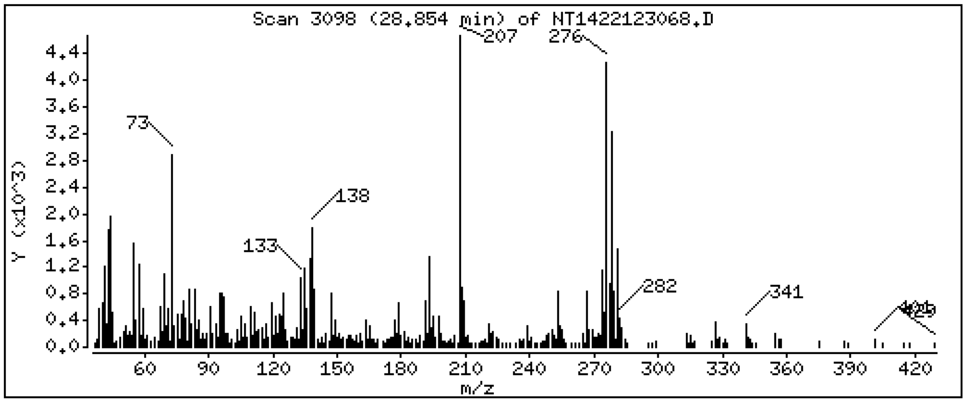
Operator: VTS

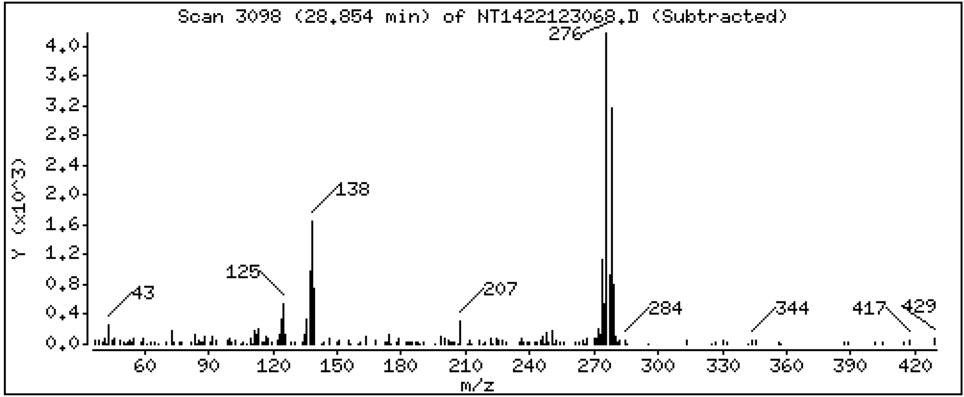
Column phase: ZB-5msi

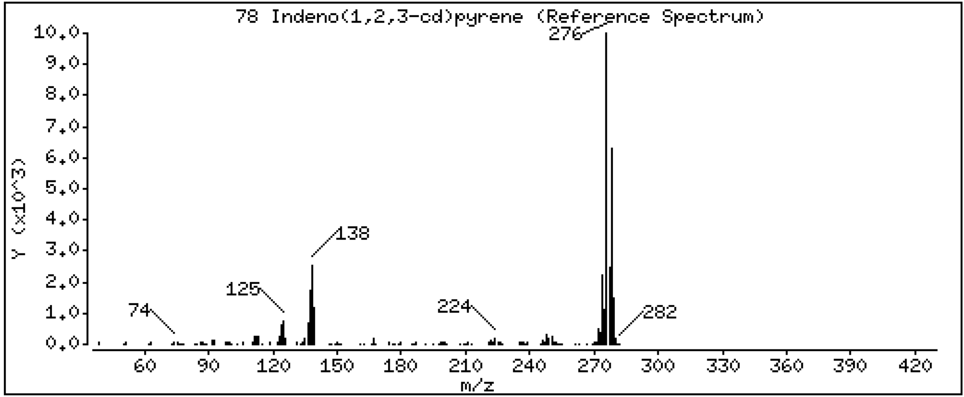
Column diameter: 0.25

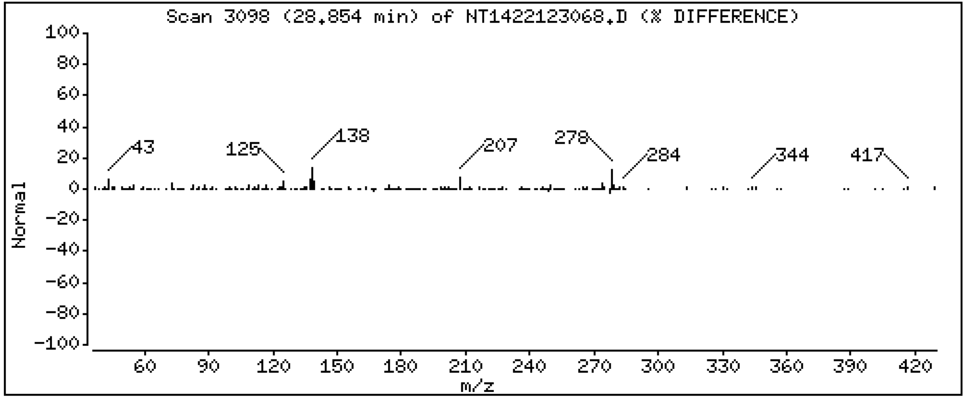
78 Indeno(1,2,3-cd)pyrene

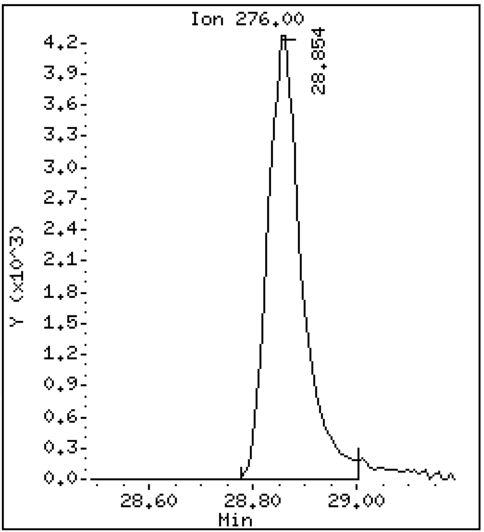
Concentration: 0.2876 ug/mL

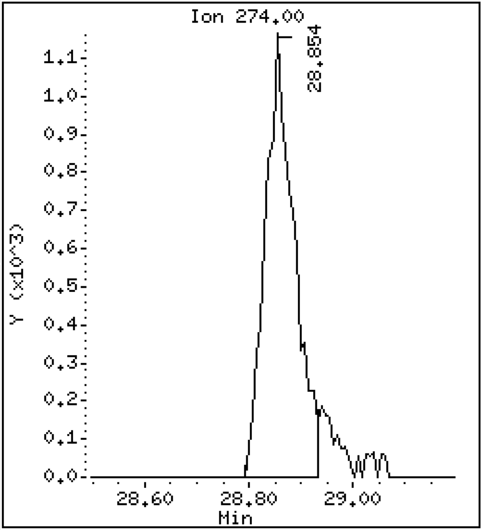


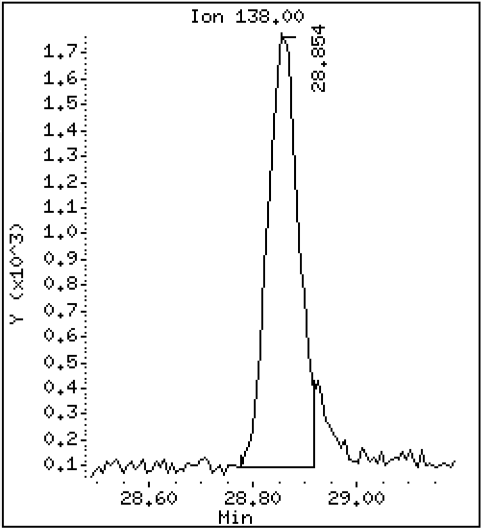












Data File: \\target\share\chem3\nt14.i\20221230C.b\NT1422123068.D

Date : 01-JAN-2023 00:42

Client ID:

Instrument: nt14.i

Sample Info: SKL0355-LCV4

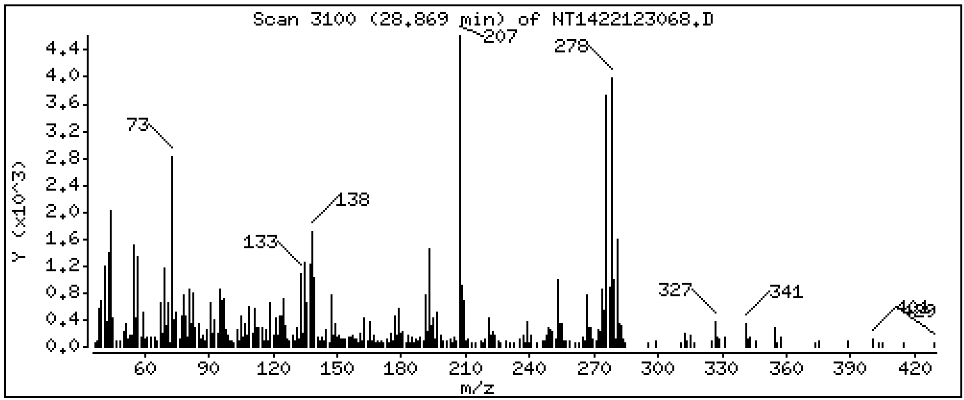
Operator: VTS

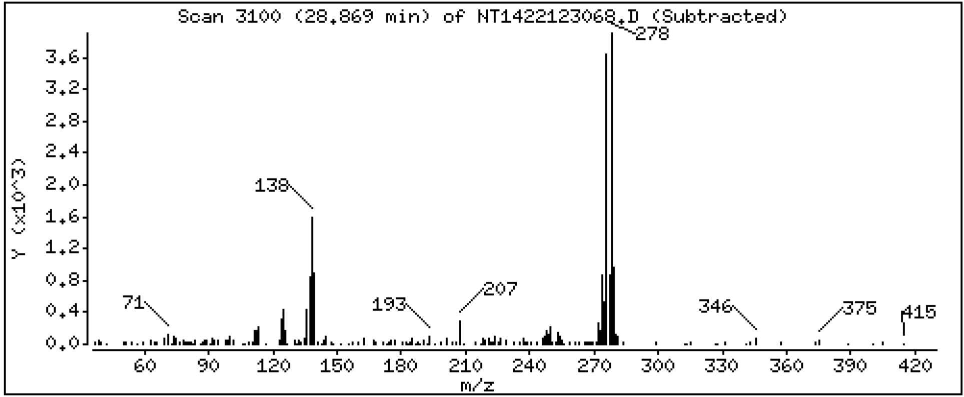
Column phase: ZB-5msi

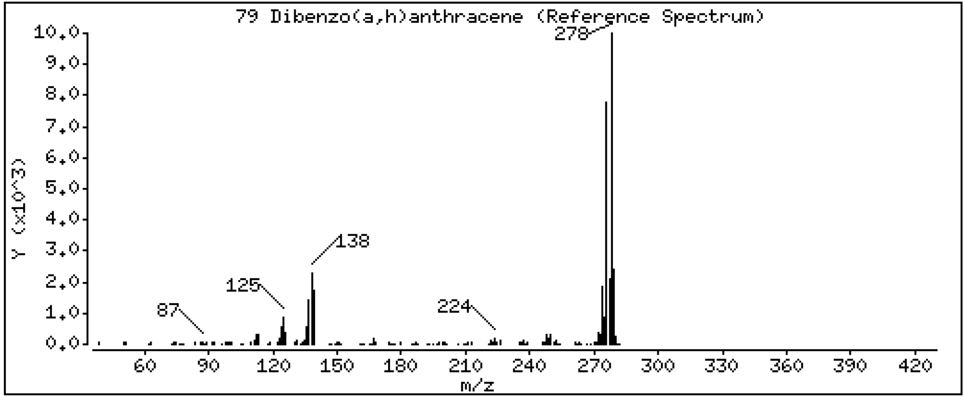
Column diameter: 0.25

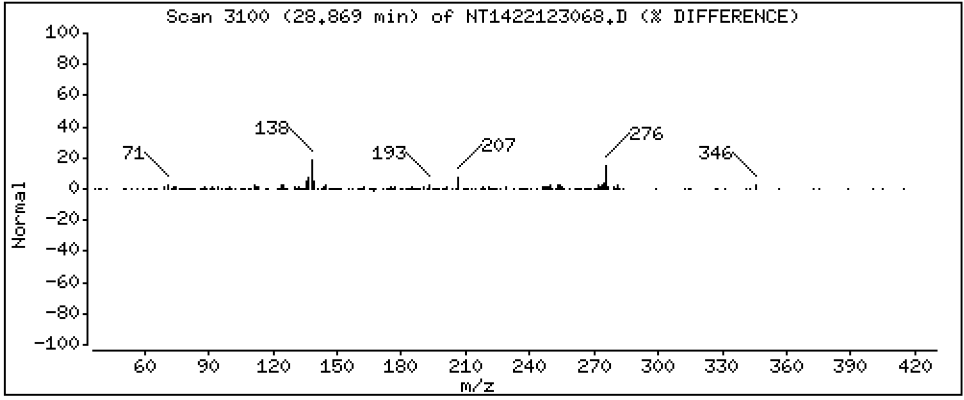
79 Dibenzo(a,h)anthracene

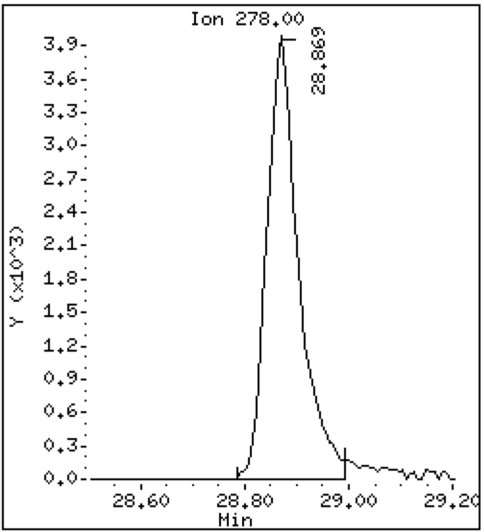
Concentration: 0.2950 ug/mL

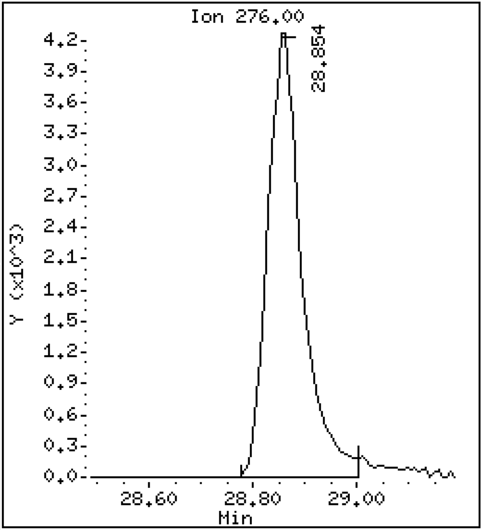

Scan 3100 (28.869 min) of NT1422123068.D

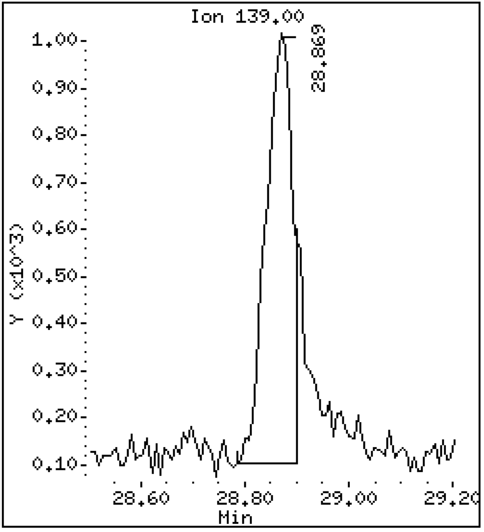

Scan 3100 (28.869 min) of NT1422123068.D (Subtracted)


79 Dibenzo(a,h)anthracene (Reference Spectrum)


Scan 3100 (28.869 min) of NT1422123068.D (% DIFFERENCE)


Ion 278.00


Ion 276.00


Ion 139.00

Data File: \\target\share\chem3\nt14.i\20221230C.b\NT1422123068.D

Date : 01-JAN-2023 00:42

Client ID:

Instrument: nt14.i

Sample Info: SKL0355-LCV4

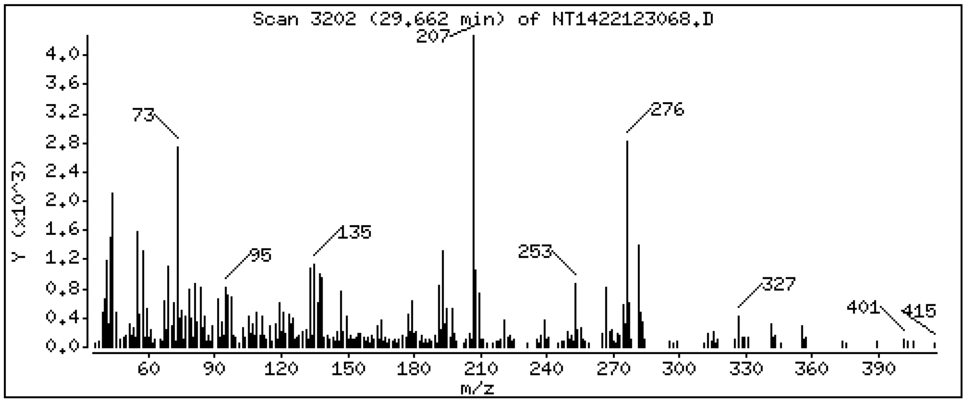
Operator: VTS

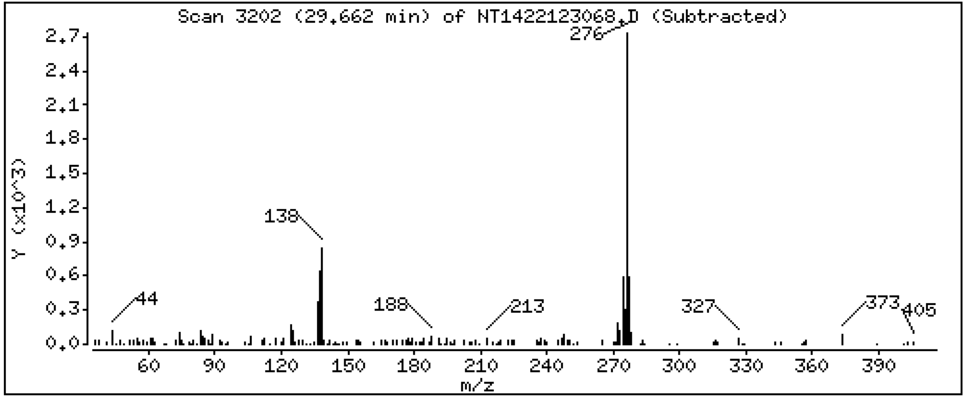
Column phase: ZB-5msi

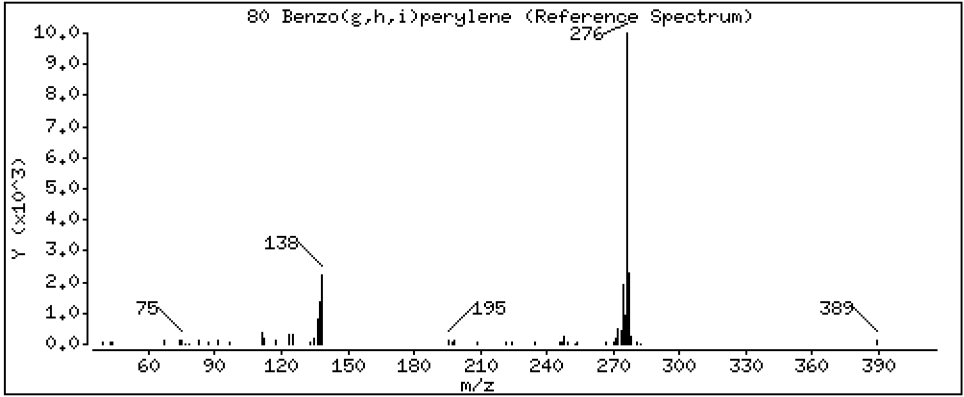
Column diameter: 0.25

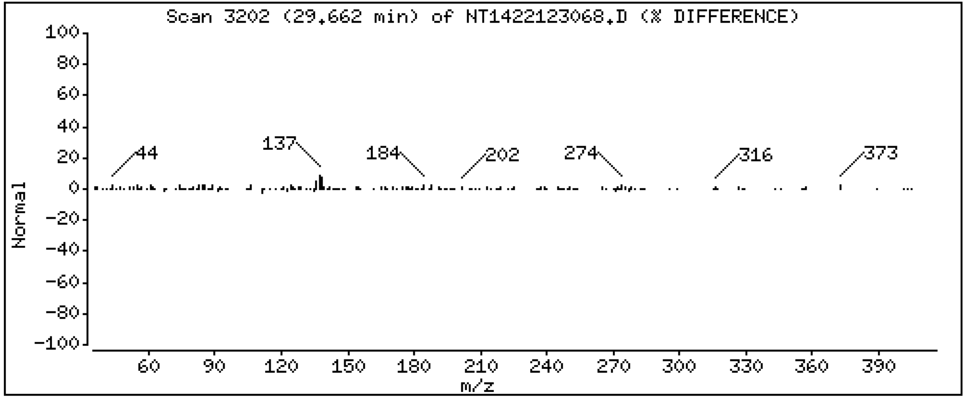
80 Benzo(g,h,i)perylene

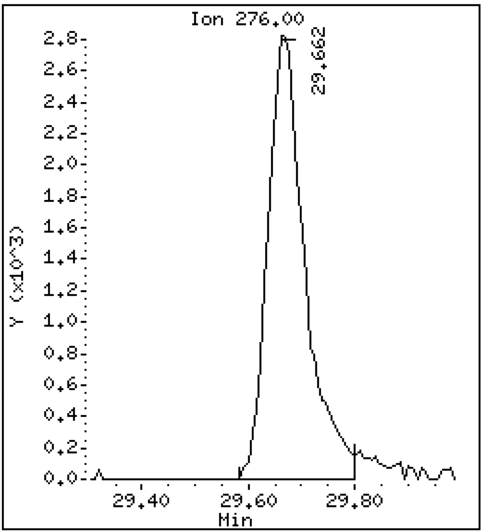
Concentration: 0.2408 ug/mL

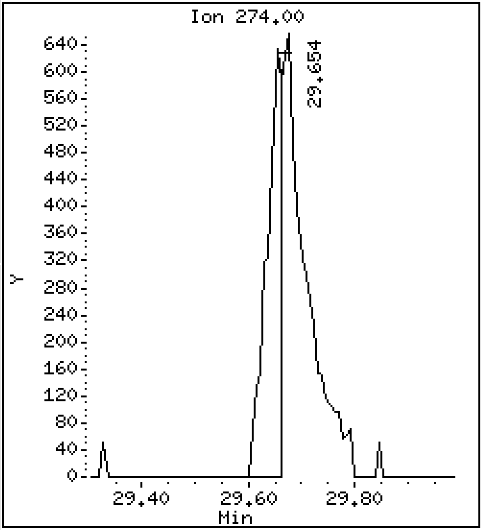


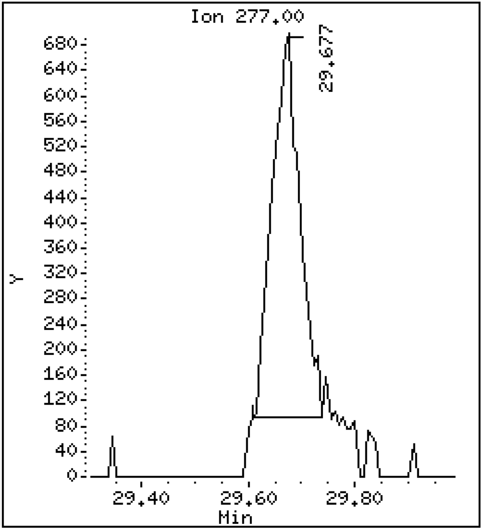












Data File: \\target\share\chem3\nt14.i\20221230C.b\NT1422123068.D

Date : 01-JAN-2023 00:42

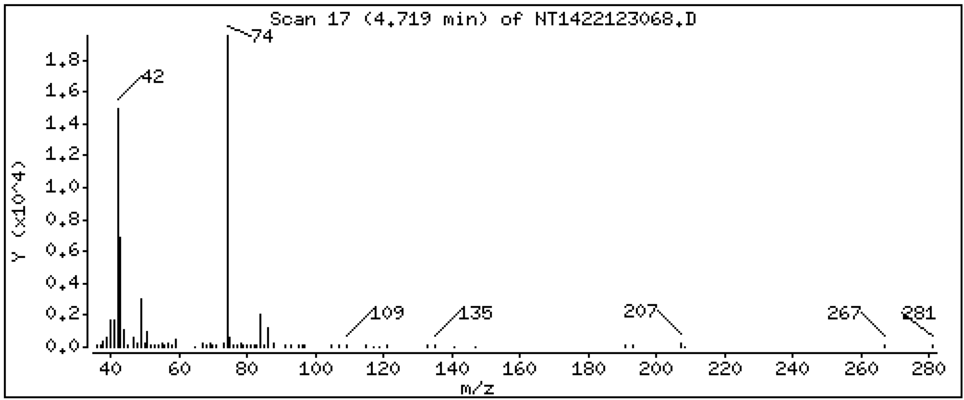
Client ID: Instrument: nt14.i

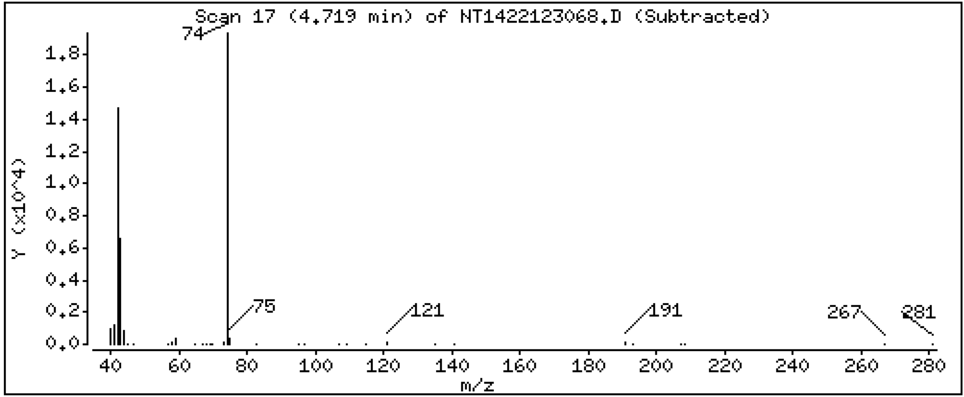
Sample Info: SKL0355-LCV4

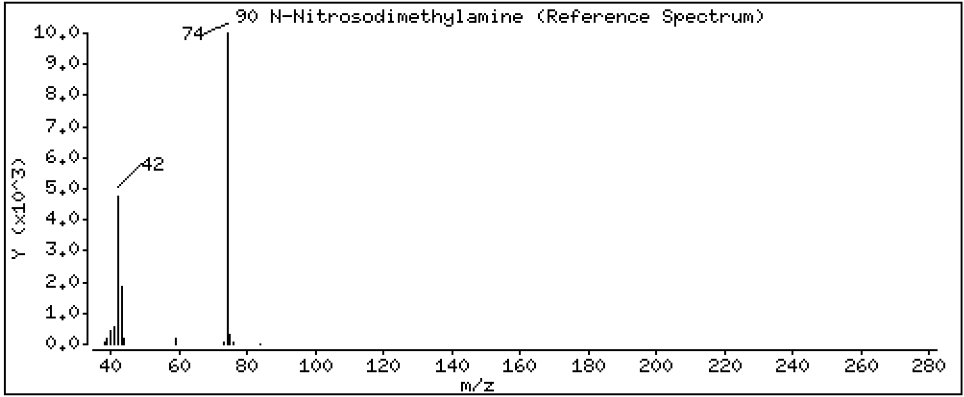
Operator: VTS

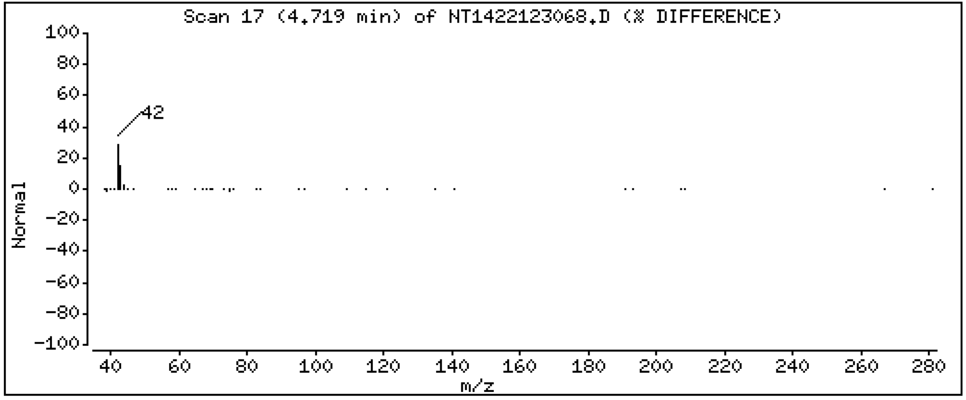
Column phase: ZB-5msi Column diameter: 0.25

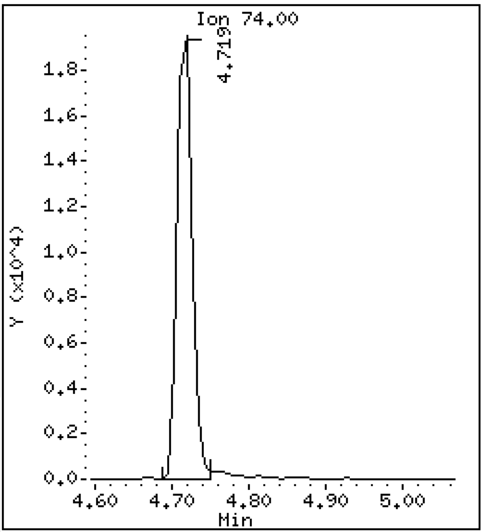
90 N-Nitrosodimethylamine Concentration: 1.011 ug/mL

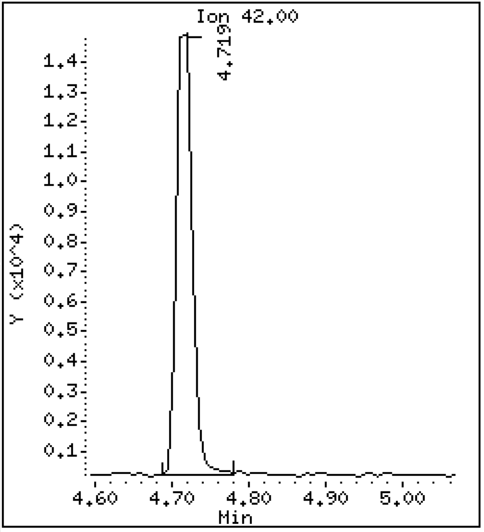

Scan 17 (4.719 min) of NT1422123068.D


Scan 17 (4.719 min) of NT1422123068.D (Subtracted)


90 N-Nitrosodimethylamine (Reference Spectrum)


Scan 17 (4.719 min) of NT1422123068.D (% DIFFERENCE)


Ion 74.00


Ion 42.00

Data File: \\target\share\chem3\nt14.i\20221230C.b\NT1422123068.D

Date : 01-JAN-2023 00:42

Client ID:

Instrument: nt14.i

Sample Info: SKL0355-LCV4

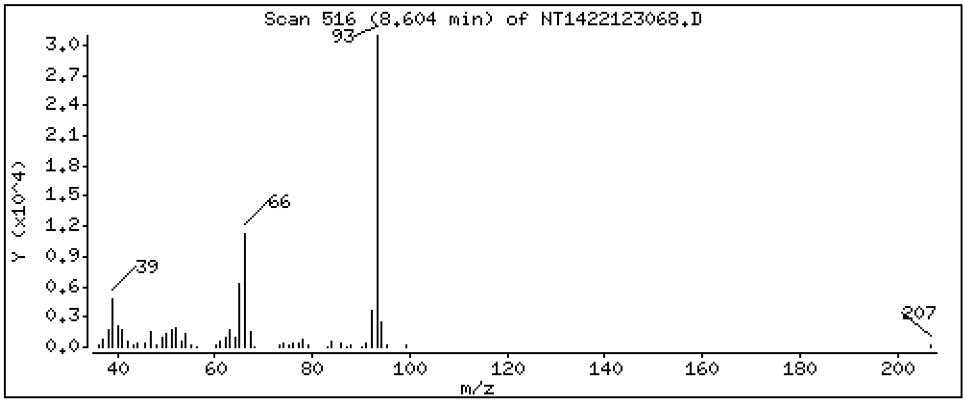
Operator: VTS

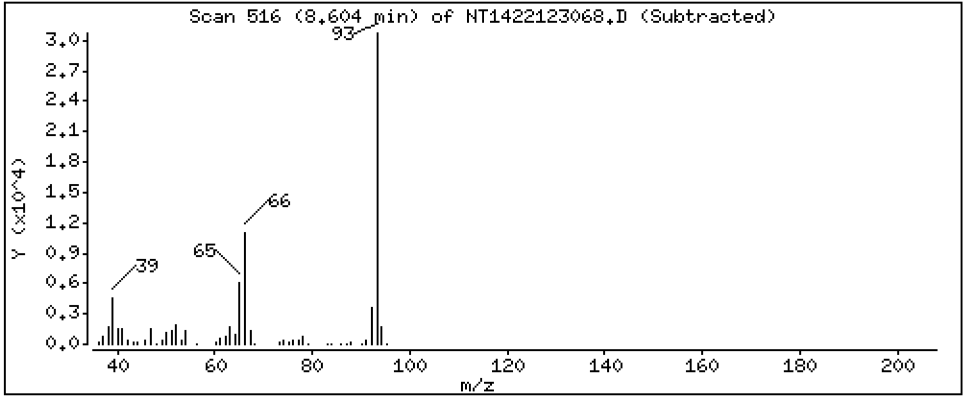
Column phase: ZB-5msi

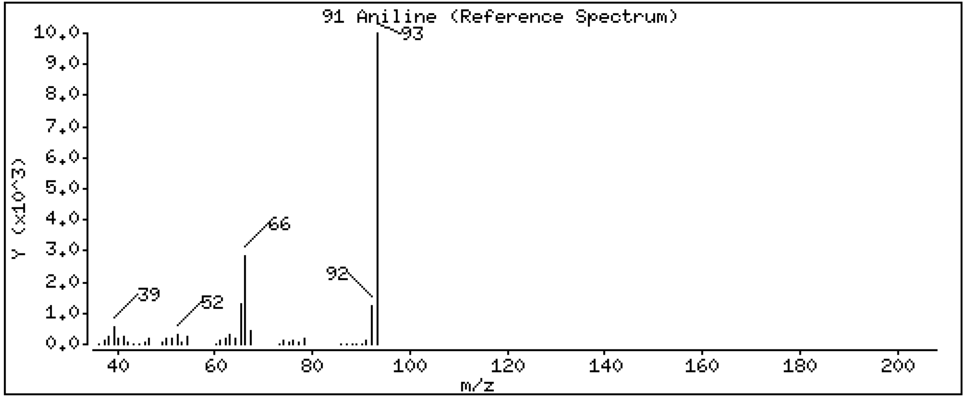
Column diameter: 0.25

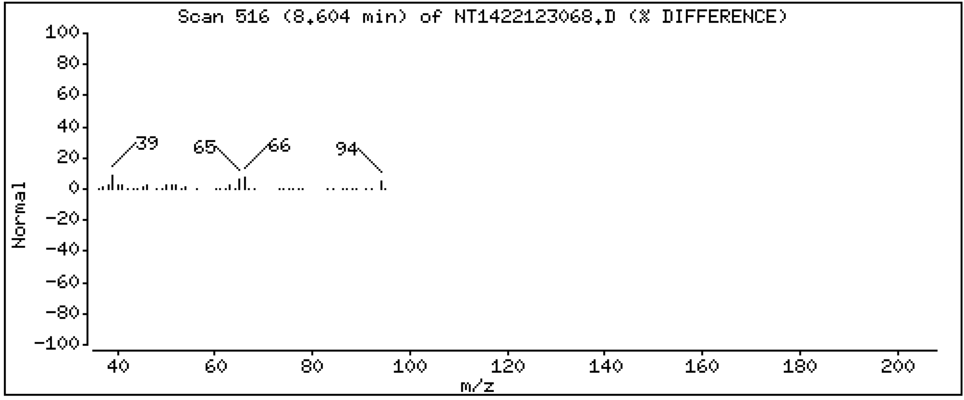
91 Aniline

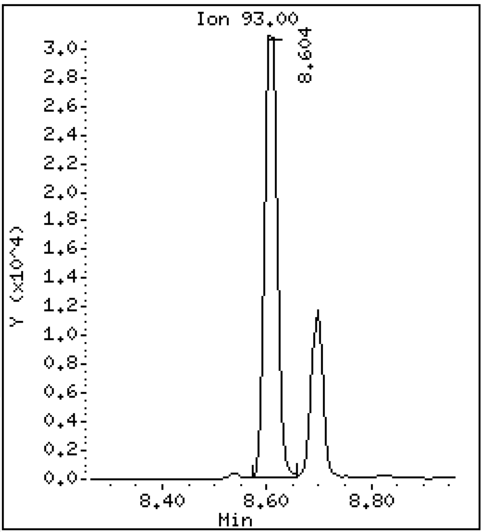
Concentration: 0.9709 ug/mL

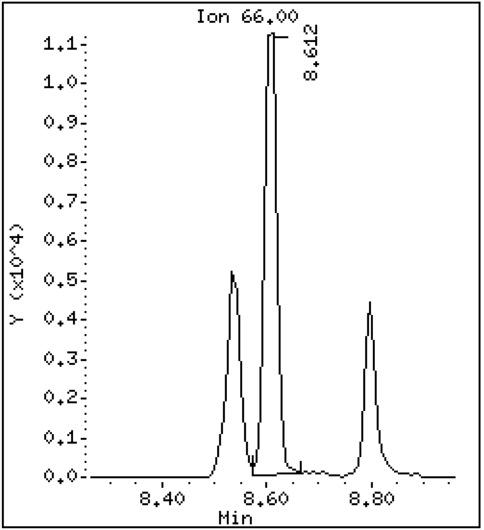

Scan 516 (8.604 min) of NT1422123068.D

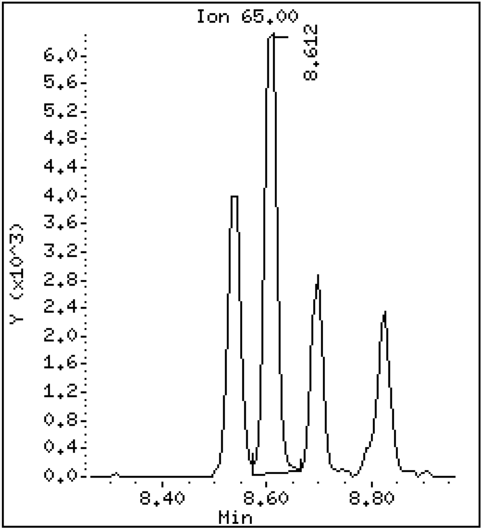

Scan 516 (8.604 min) of NT1422123068.D (Subtracted)


91 Aniline (Reference Spectrum)


Scan 516 (8.604 min) of NT1422123068.D (% DIFFERENCE)


Ion 93.00


Ion 66.00


Ion 65.00

Data File: \\target\share\chem3\nt14.i\20221230C.b\NT1422123068.D

Date : 01-JAN-2023 00:42

Client ID:

Instrument: nt14.i

Sample Info: SKL0355-LCV4

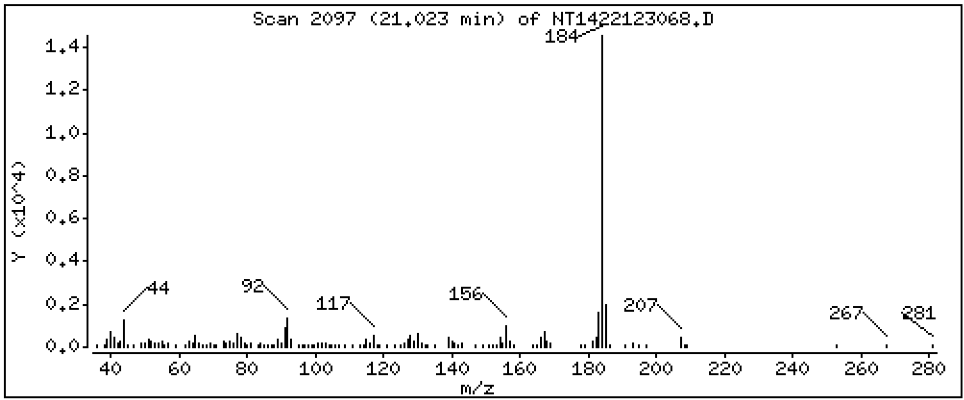
Operator: VTS

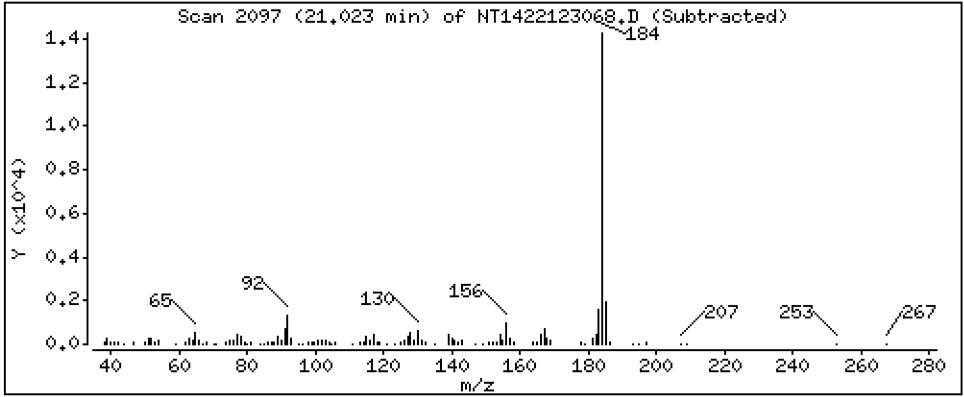
Column phase: ZB-5msi

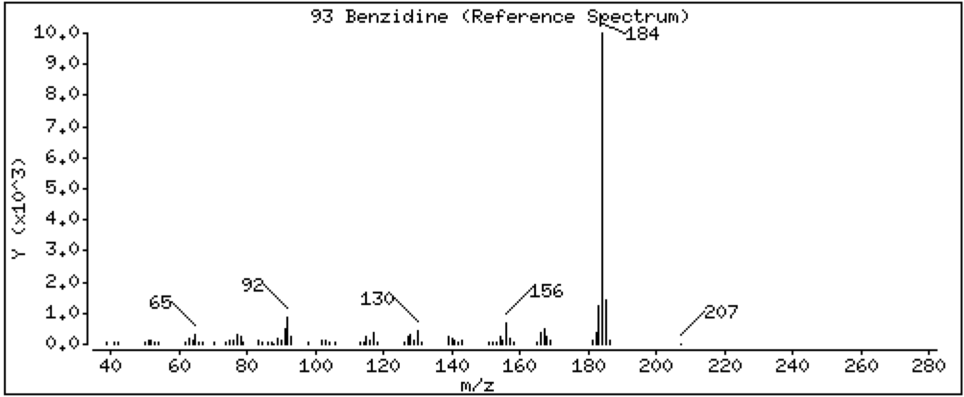
Column diameter: 0.25

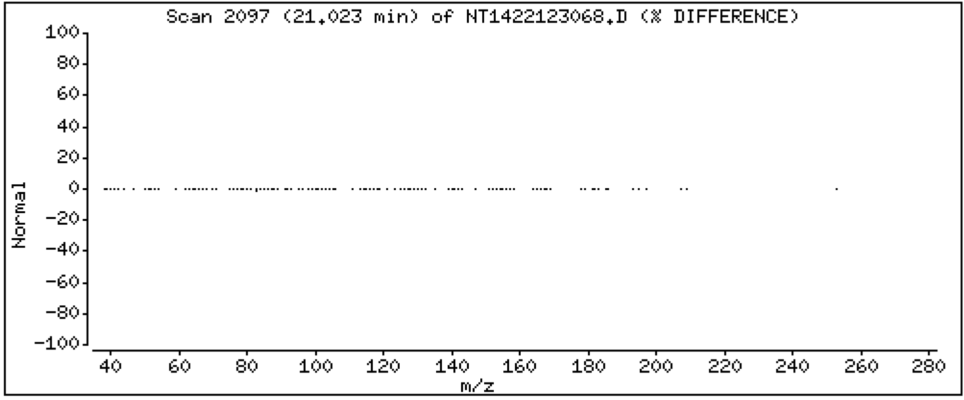
93 Benzidine

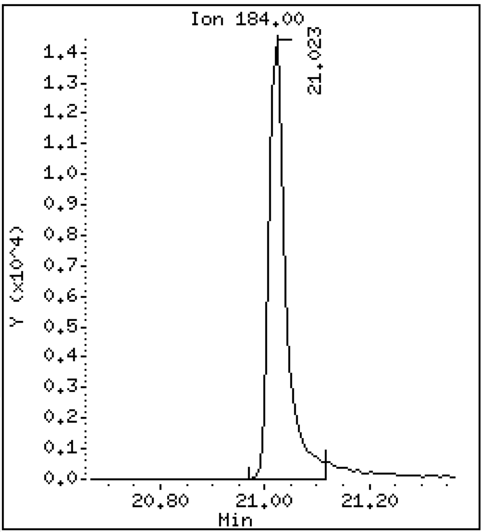
Concentration: 0.8853 ug/mL

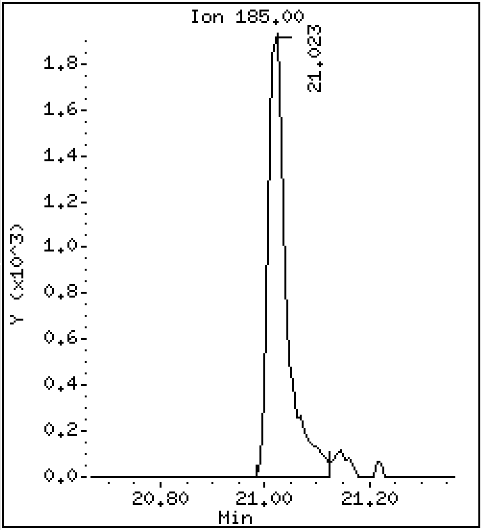

Scan 2097 (21.023 min) of NT1422123068.D

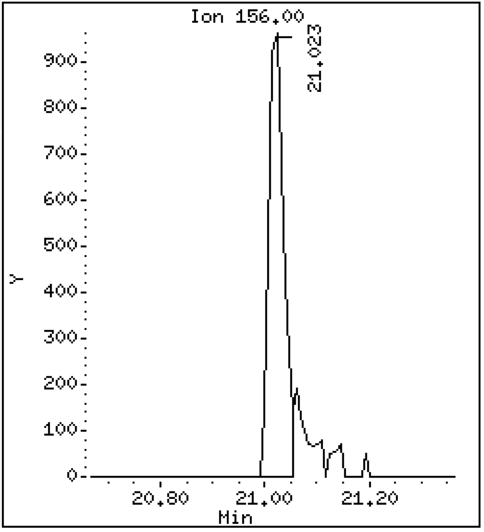

Scan 2097 (21.023 min) of NT1422123068.D (Subtracted)


93 Benzidine (Reference Spectrum)


Scan 2097 (21.023 min) of NT1422123068.D (% DIFFERENCE)


Ion 184.00


Ion 185.00


Ion 156.00

Data File: \\target\share\chem3\nt14.i\20221230C.b\NT1422123068.D

Date : 01-JAN-2023 00:42

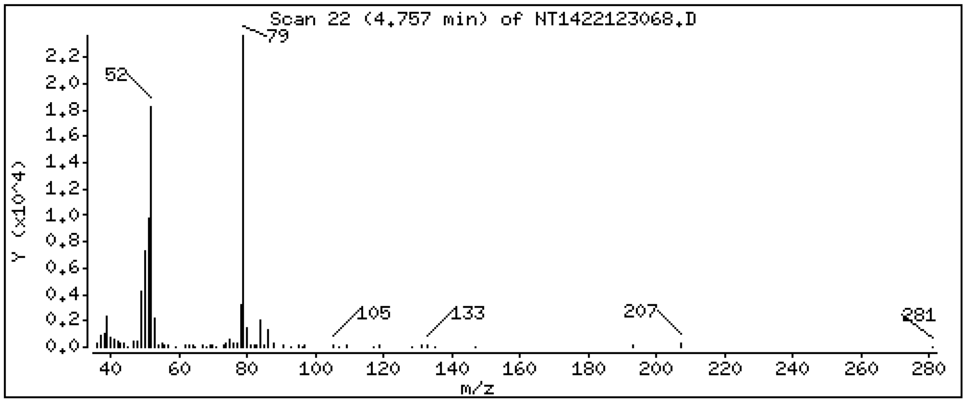
Client ID: Instrument: nt14.i

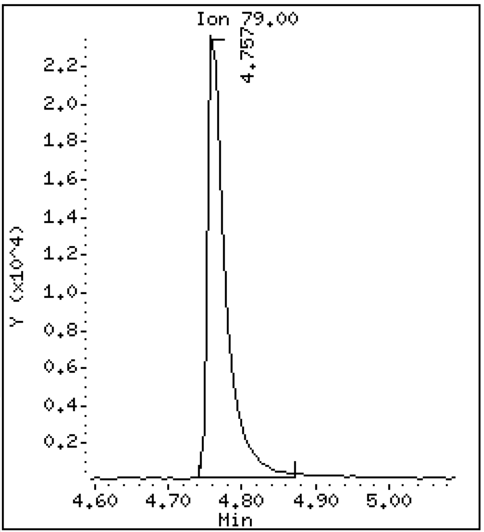
Sample Info: SKL0355-LCV4

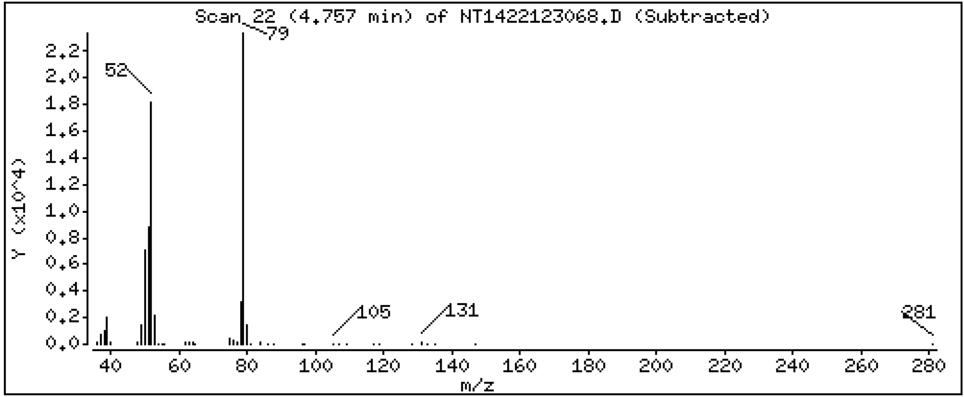
Operator: VTS

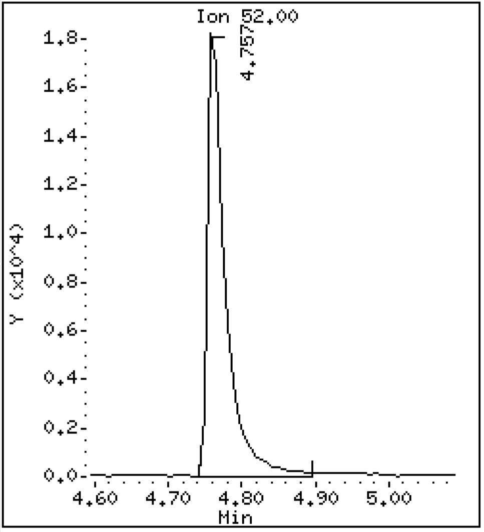
Column phase: ZB-5msi Column diameter: 0.25

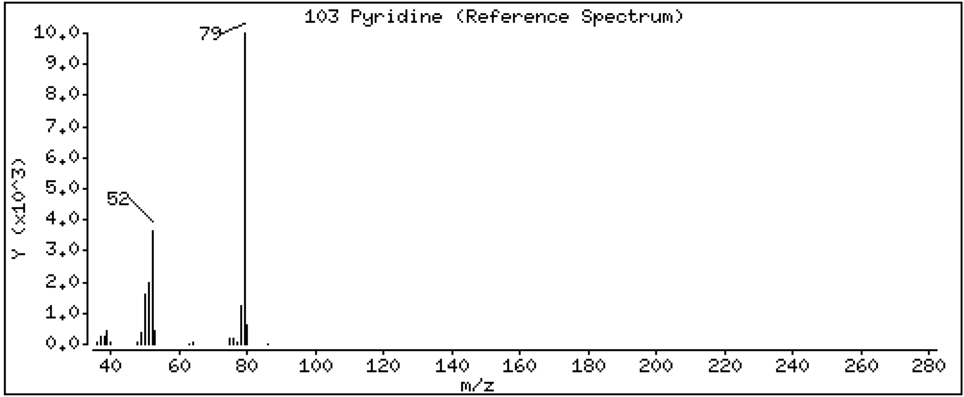
103 Pyridine Concentration: 0.5018 ug/mL

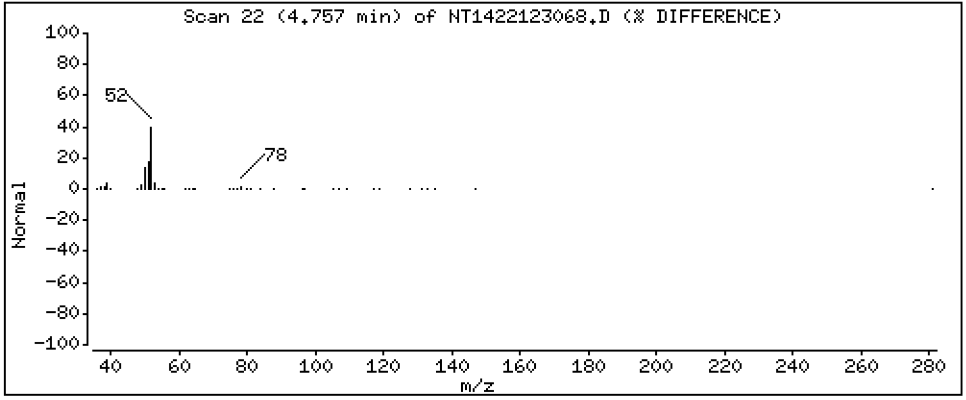

Scan 22 (4.757 min) of NT1422123068.D


Ion 79.00


Scan 22 (4.757 min) of NT1422123068.D (Subtracted)


Ion 52.00


103 Pyridine (Reference Spectrum)


Scan 22 (4.757 min) of NT1422123068.D (% DIFFERENCE)

Data File: \\target\share\chem3\nt14.i\20221230C.b\NT1422123068.D

Date : 01-JAN-2023 00:42

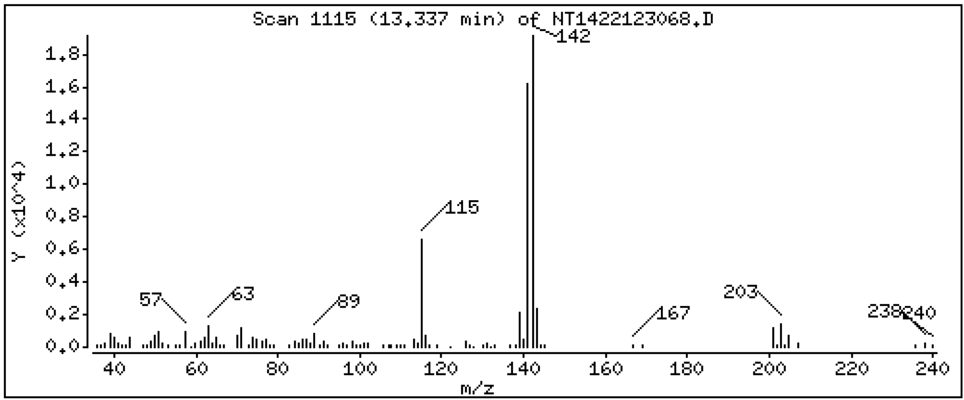
Client ID: Instrument: nt14.i

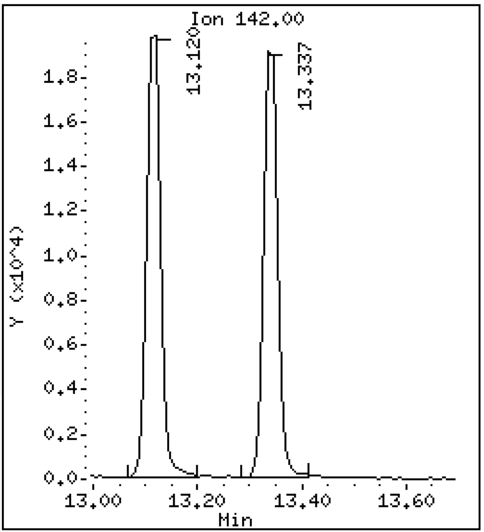
Sample Info: SKL0355-LCV4

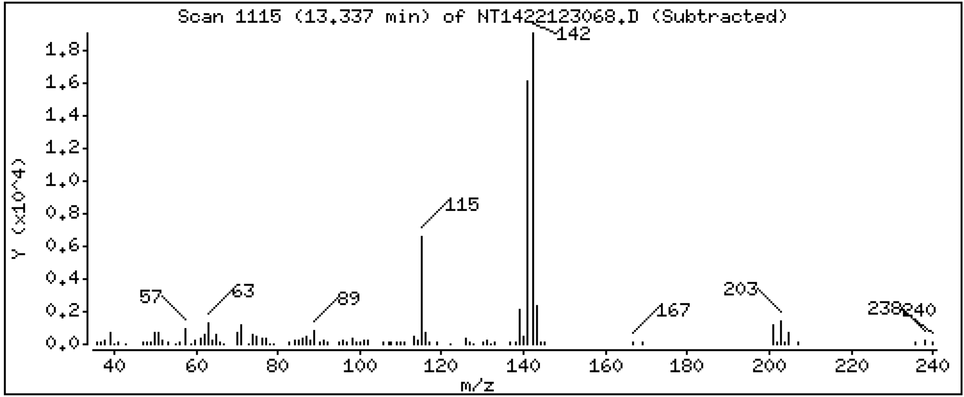
Operator: VTS

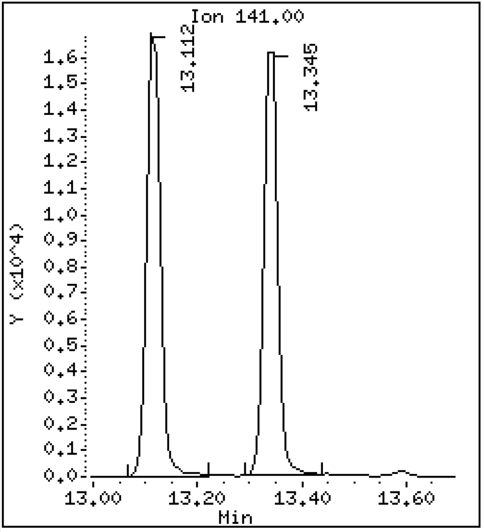
Column phase: ZB-5msi Column diameter: 0.25

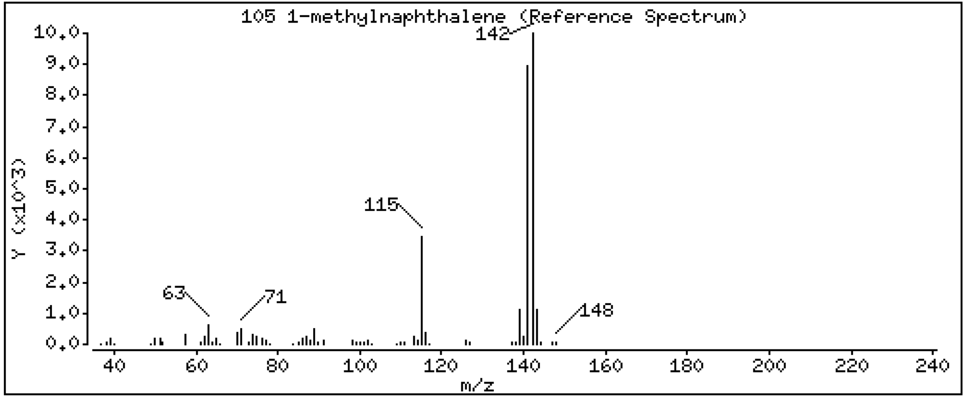
105 1-methylnaphthalene Concentration: 0.4742 ug/mL

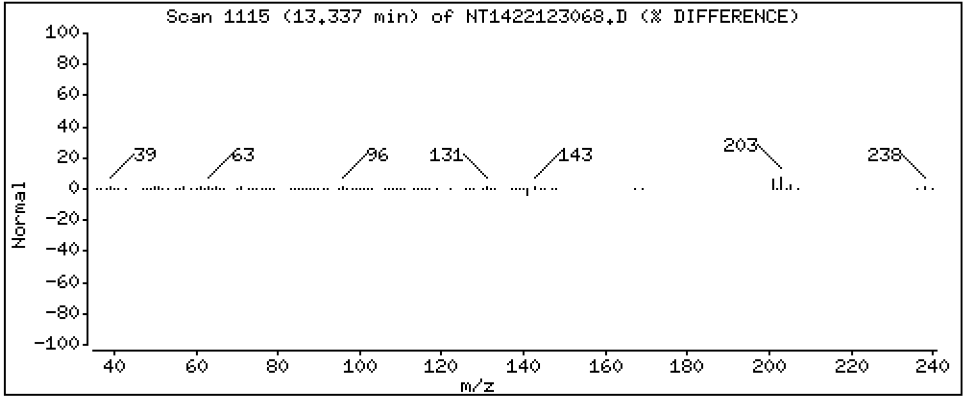












Data File: \\target\share\chem3\nt14.i\20221230C.b\NT1422123068.D

Date : 01-JAN-2023 00:42

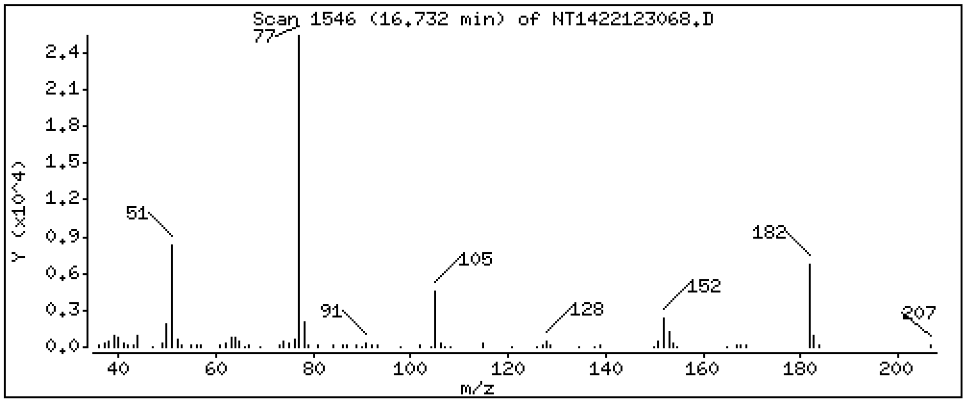
Client ID: Instrument: nt14.i

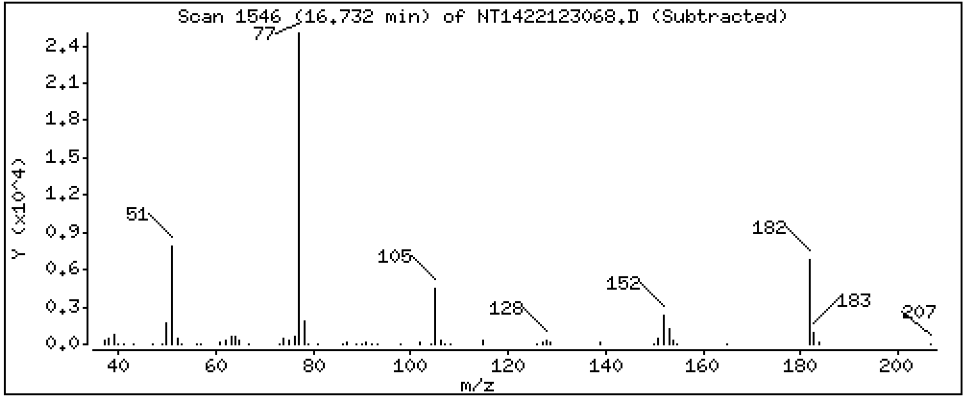
Sample Info: SKL0355-LCV4

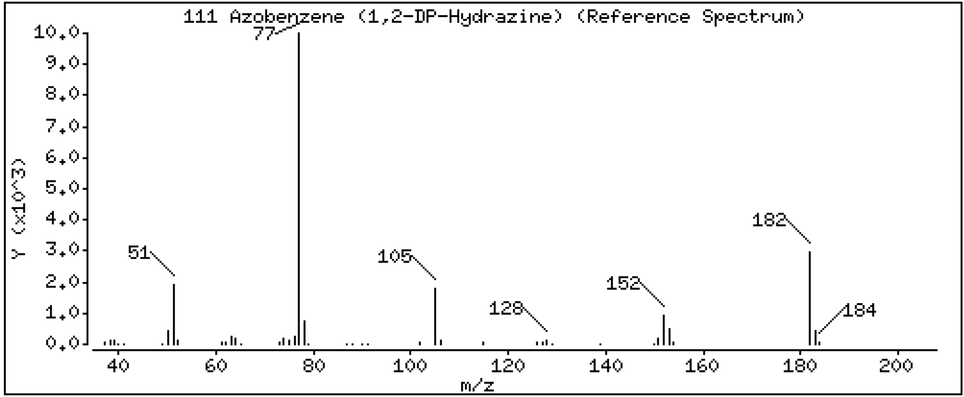
Operator: VTS

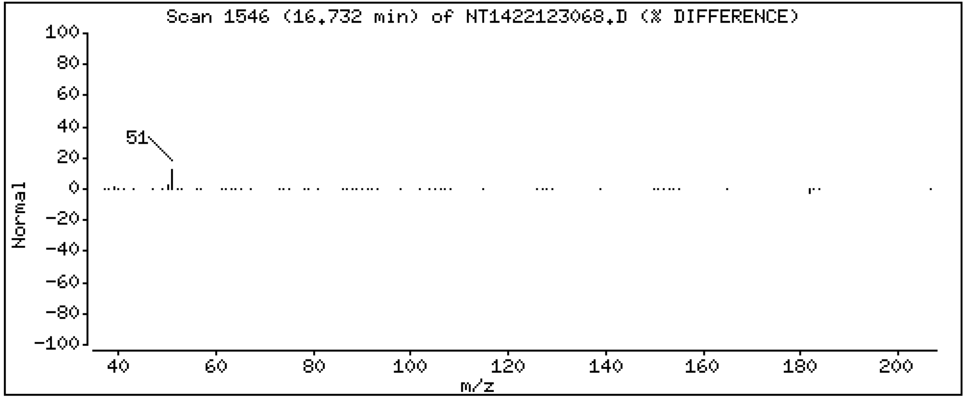
Column phase: ZB-5msi Column diameter: 0.25

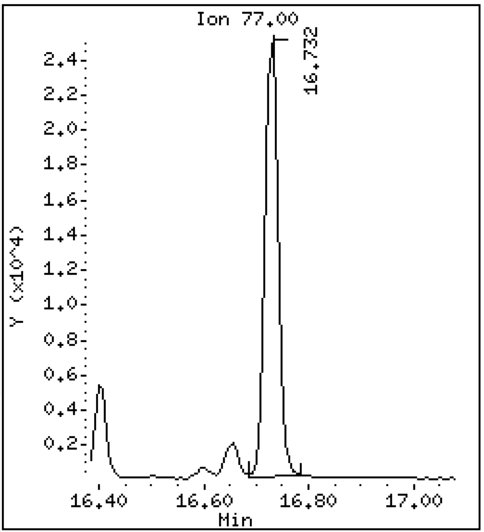
111 Azobenzene (1,2-DP-Hydrazine) Concentration: 0.5334 ug/mL

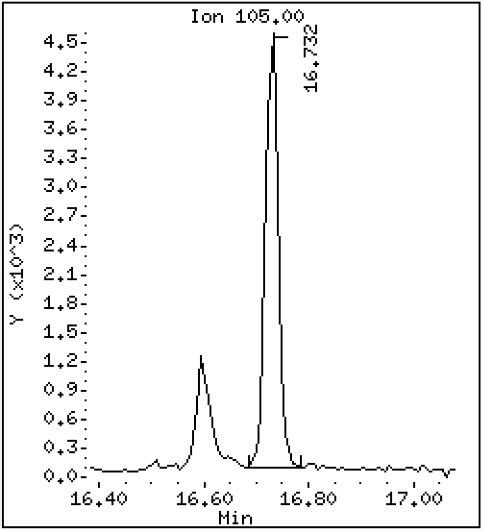


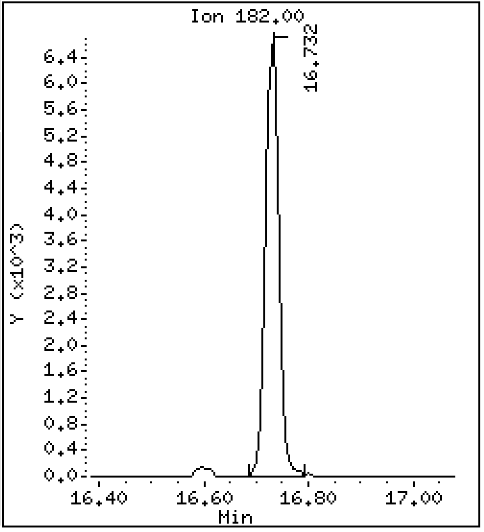












Date : 01-JAN-2023 00:42

Client ID:

Instrument: nt14.i

Sample Info: SKL0355-LCV4

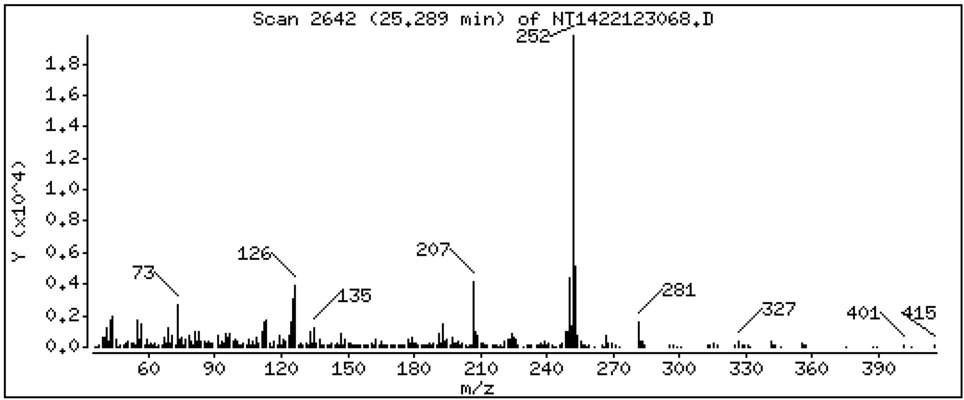
Operator: VTS

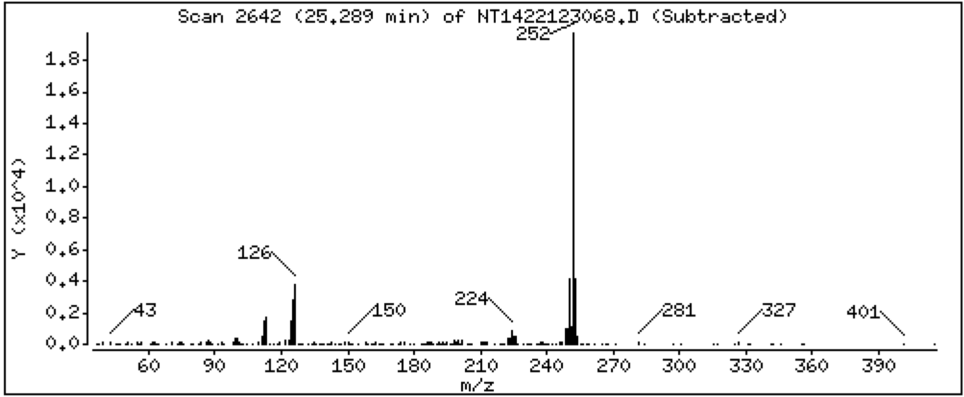
Column phase: ZB-5msi

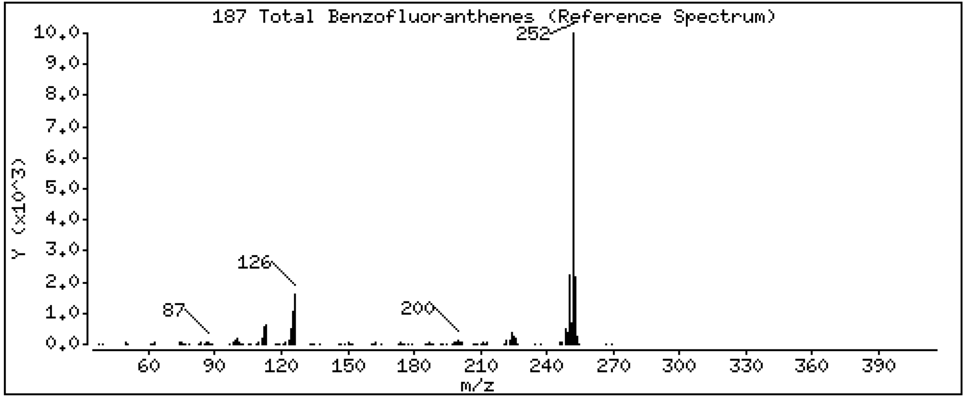
Column diameter: 0.25

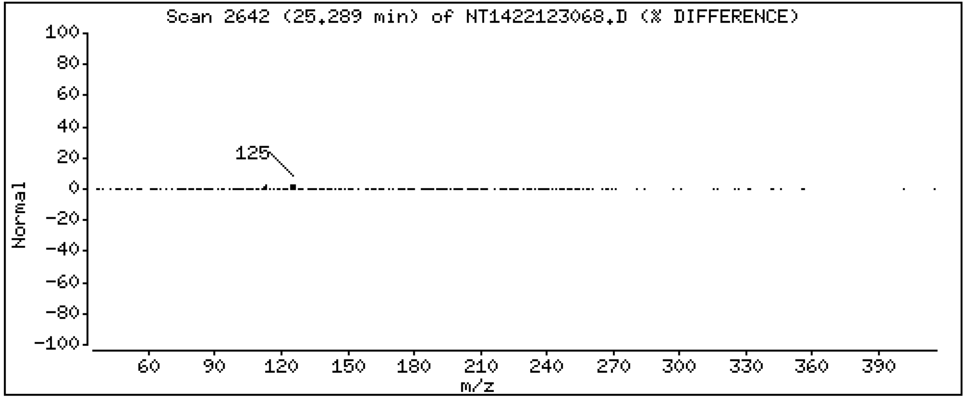
187 Total Benzofluoranthenes

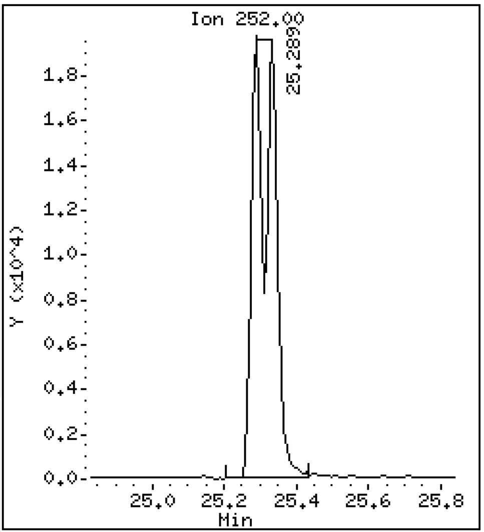
Concentration: 1.127 ug/mL

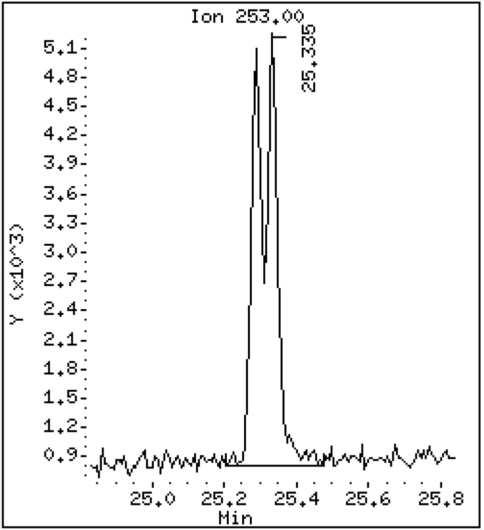

Scan 2642 (25.289 min) of NT1422123068.D


Scan 2642 (25.289 min) of NT1422123068.D (Subtracted)


187 Total Benzofluoranthenes (Reference Spectrum)


Scan 2642 (25.289 min) of NT1422123068.D (% DIFFERENCE)


Ion 252.00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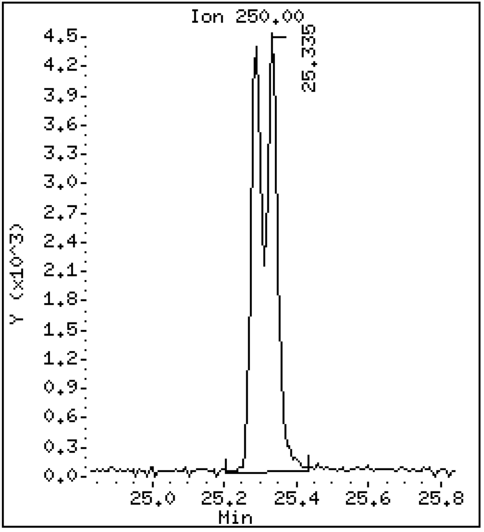
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Data File: \\target\share\chem3\nt14.i\20221230C.b\NT1422123068.D

Date : 01-JAN-2023 00:42

Client ID:

Instrument: nt14.i

Sample Info: SKL0355-LCV4

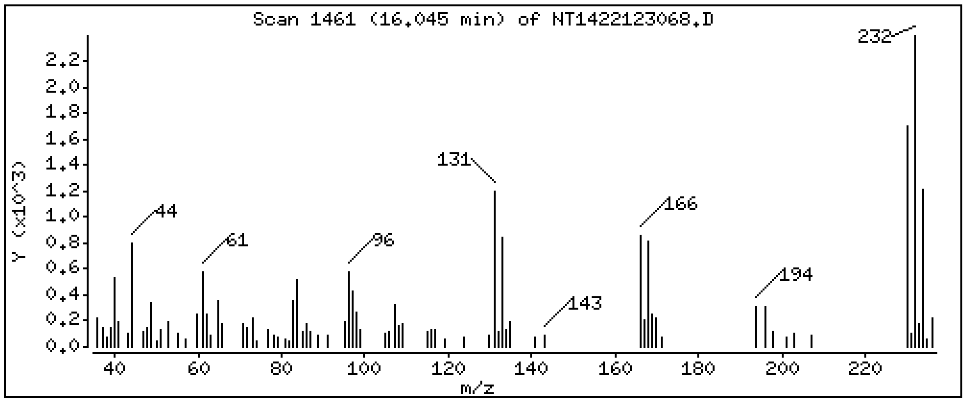
Operator: VTS

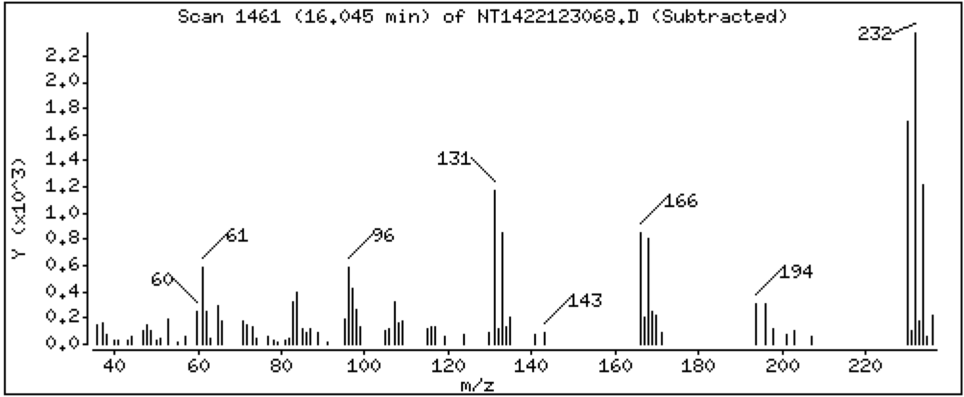
Column phase: ZB-5msi

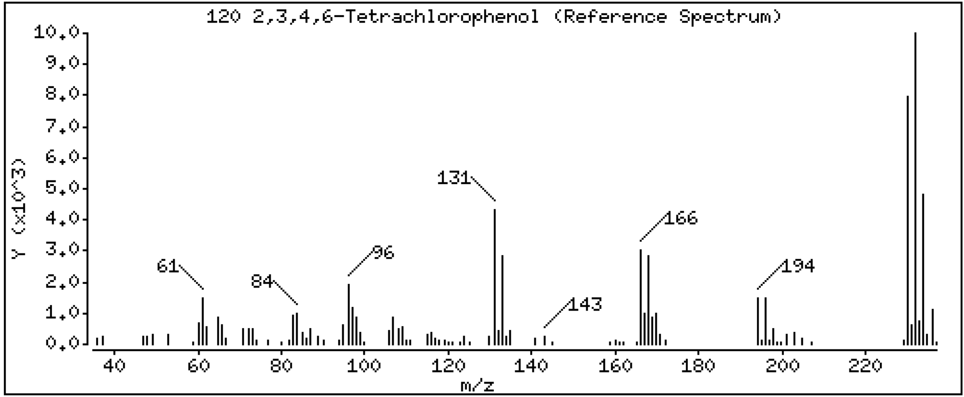
Column diameter: 0.25

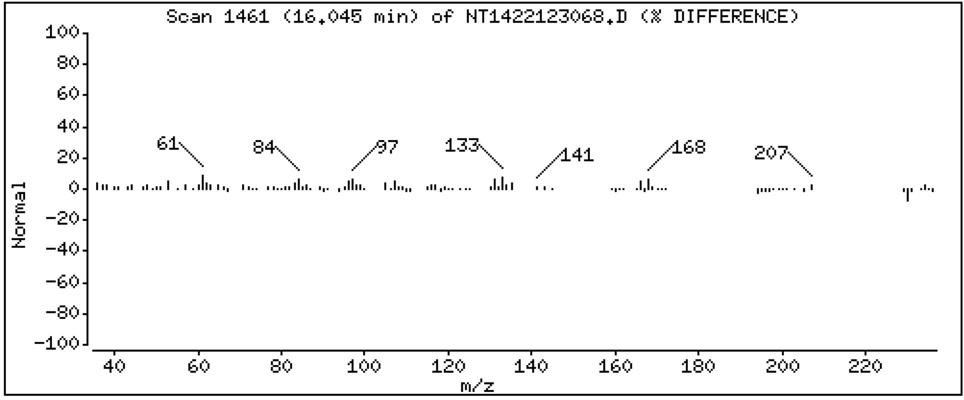
120 2,3,4,6-Tetrachlorophenol

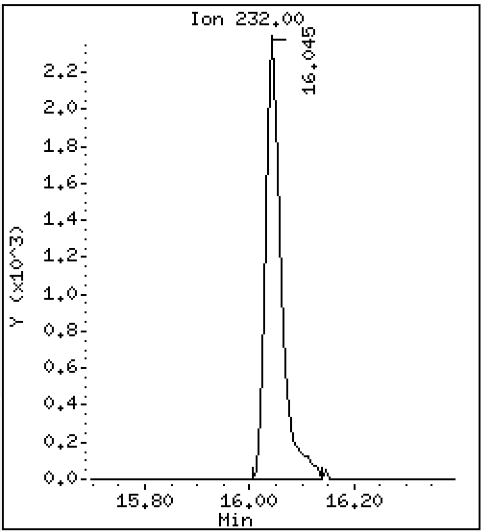
Concentration: 0.3210 ug/mL


Scan 1461 (16.045 min) of NT1422123068.D


Scan 1461 (16.045 min) of NT1422123068.D (Subtracted)


120 2,3,4,6-Tetrachlorophenol (Reference Spectrum)


Scan 1461 (16.045 min) of NT1422123068.D (% DIFFERENCE)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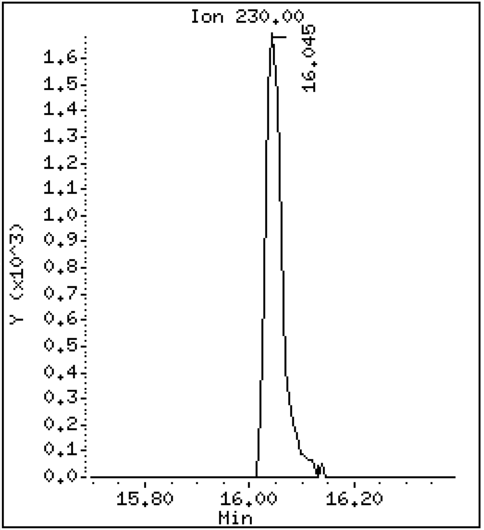
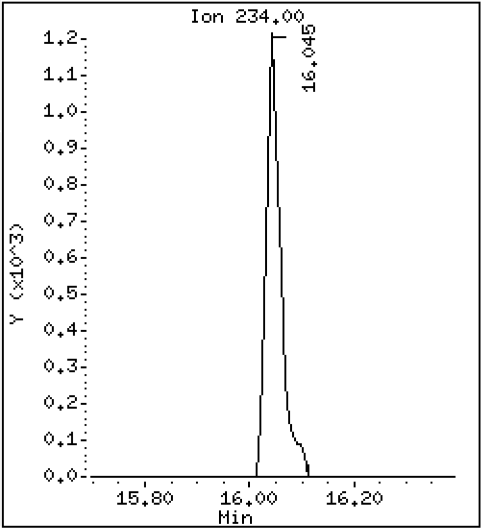

Ion 230.00


Ion 234.00

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Data File: \\target\share\chem3\nt14.i\20221230C.b\NT1422123068.D Page 1
Report Date: 04-Jan-2023 14:23



                                ARI Labs, Inc.

                       Semivolatile Report SW846 Method 8270D
Data file : \\target\share\chem3\nt14.i\20221230C.b\NT1422123068.D
Lab Smp Id: SKL0355-LCV4
Inj Date  : 01-JAN-2023 00:42            MS Autotune Date: 17-MAY-2011 01:22
Operator  : VTS                          Inst ID: nt14.i
Smp Info  : SKL0355-LCV4
Misc Info :
Comment   : 1ul Injection
Method    : \\target\share\chem3\nt14.i\20221230C.b\ABN.m
Meth Date : 04-Jan-2023 09:32 van        Quant Type: ISTD
Cal Date  : 30-DEC-2022 11:07            Cal File: NT1422123007.D
Als bottle: 5
Dil Factor: 1.00000
Integrator: HP RTE                       Compound Sublist: ICAL.sub
Target Version:  4.14
Processing Host: VANS-201906


                                                                                CONCENTRATIONS
                                          QUANT SIG                           ON-COLUMN    FINAL
Compounds                                   MASS        RT   EXP RT   REL RT  RESPONSE    (ug/mL)    (ug/mL)
===========================                 ====      ==== ======== ======== ========    =======    =======
$   1 2-Fluorophenol                         112       6.919   6.919 (0.755)     26679    0.73231     0.7323
$   2 Phenol-d5                               99       8.519   8.519 (0.930)     29740    0.66056     0.6606
    3 Phenol                                  94       8.542   8.542 (0.932)     24851    0.48577     0.4858
$   5 2-Chlorophenol-d4                      132       8.797   8.797 (0.960)     26376    0.69756     0.6976
    4 Bis(2-Chloroethyl)ether                 93       8.696   8.696 (0.949)     16971    0.48157     0.4816
    6 2-Chlorophenol                         128       8.828   8.827 (0.964)     21442    0.51635     0.5163
    7 1,3-Dichlorobenzene                    146       9.098   9.098 (0.993)     21932    0.49807     0.4981
*   8 1,4-Dichlorobenzene-d4                 152       9.160   9.160 (1.000)    113715    4.00000
    9 1,4-Dichlorobenzene                    146       9.191   9.191 (1.003)     21144    0.50685     0.5068
$  10 1,2-Dichlorobenzene-d4                 152       9.525   9.525 (1.040)     12409    0.48016     0.4802
   12 1,2-Dichlorobenzene                    146       9.548   9.556 (1.042)     20298    0.49614     0.4961
   11 Benzyl alcohol                         108       9.440   9.440 (1.030)      8811    0.38688     0.3869
   14 2,2'-oxybis(1-Chloropropane)           121       9.735   9.735 (1.063)      5608    0.47279     0.4728(M)
   13 2-Methylphenol                         108       9.665   9.665 (1.055)     18106    0.48706     0.4871
   17 Hexachloroethane                       117      10.154  10.154 (1.108)      6330    0.41257     0.4126
   16 N-Nitroso-di-n-propylamine              70       9.991   9.998 (1.091)     11492    0.50748     0.5075
   15 4-Methylphenol                         108       9.937   9.936 (1.085)     18249    0.46535     0.4654
$  18 Nitrobenzene-d5                         82      10.262  10.262 (0.880)     16843    0.48307     0.4831
   19 Nitrobenzene                            77      10.293  10.301 (0.882)     16249    0.46925     0.4693
   20 Isophorone                              82      10.751  10.751 (0.922)     19966    0.45240     0.4524
   21 2-Nitrophenol                          139      10.938  10.937 (0.938)     10030    0.47315     0.4732
   22 2,4-Dimethylphenol                     107      10.992  10.992 (0.942)     35304    0.97686     0.9769
   23 Bis(2-Chloroethoxy)methane              93      11.178  11.186 (0.958)     16990    0.49487     0.4949
   24 Benzoic acid                           105      11.093  11.209 (0.951)      9855    0.44771     0.4477
   25 2,4-Dichlorophenol                     162      11.395  11.395 (0.977)     29244    0.95995     0.9599
   26 1,2,4-Trichlorobenzene                 180      11.581  11.581 (0.993)     16108    0.48901     0.4890
*  27 Naphthalene-d8                         136      11.666  11.673 (1.000)    412900    4.00000
   28 Naphthalene                            128      11.712  11.712 (1.004)     49324    0.48541     0.4854
   29 4-Chloroaniline                        127      11.835  11.835 (1.015)     37233    0.88851     0.8885
   30 Hexachlorobutadiene                    225      12.075  12.075 (1.035)      7808    0.47774     0.4777
   31 4-Chloro-3-methylphenol                107      12.818  12.810 (1.099)     27298    0.94955     0.9495
   32 2-Methylnaphthalene                    142      13.120  13.120 (1.125)     34703    0.46559     0.4656
   33 Hexachlorocyclopentadiene              237      13.584  13.584 (0.888)      2182    0.13732     0.1373
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Data File: \\target\share\chem3\nt14.i\20221230C.b\NT1422123068.D Page 2
Report Date: 04-Jan-2023 14:23


                                                                                CONCENTRATIONS
                                      QUANT SIG                              ON-COLUMN    FINAL
Compounds                               MASS        RT    EXP RT   REL RT  RESPONSE   (ug/mL)    (ug/mL)
==========================              ====      ==== ======== ======== ========   =======    =======
   34 2,4,6-Trichlorophenol              196    13.747  13.739 (0.898)     15331    0.87384     0.8738
   35 2,4,5-Trichlorophenol              196    13.832  13.816 (0.904)     16238    0.80193     0.8019
$  36 2-Fluorobiphenyl                   172    13.901  13.901 (0.908)     33358    0.47200     0.4720
   37 2-Chloronaphthalene                162    14.118  14.118 (0.923)     28915    0.48093     0.4809
   38 2-Nitroaniline                      65    14.373  14.373 (0.939)     15604    0.98717     0.9872
   39 Dimethylphthalate                  163    14.799  14.799 (0.967)     29378    0.49559     0.4956
   40 Acenaphthylene                     152    14.993  14.993 (0.980)     45647    0.49793     0.4979
   41 2,6-Dinitrotoluene                 165    14.938  14.938 (0.976)     11674    0.87263     0.8726
*  42 Acenaphthene-d10                   164    15.302  15.310 (1.000)    210199    4.00000
   43 3-Nitroaniline                     138    15.225  15.225 (0.995)     13799    0.84865     0.8487
   44 Acenaphthene                       153    15.372  15.371 (1.005)     28173    0.49548     0.4955
   45 2,4-Dinitrophenol                  184    15.457  15.441 (1.010)       140    0.01232    0.01232(M)
   46 Dibenzofuran                       168    15.704  15.704 (1.026)     42021    0.49282     0.4928
   47 4-Nitrophenol                      109    15.611  15.557 (1.020)      5233    0.67188     0.6719(M)
   48 2,4-Dinitrotoluene                 165    15.750  15.750 (1.029)     14281    0.77805     0.7780
   50 Diethylphthalate                   149    16.261  16.268 (1.063)     46077    0.57187     0.5719
   49 Fluorene                           166    16.415  16.423 (1.073)     44261    0.48795     0.4880
   51 4-Chlorophenyl-phenylether         204    16.407  16.407 (1.072)     22749    0.51226     0.5123
   52 4-Nitroaniline                     138    16.508  16.500 (1.079)     16284    0.83129     0.8313
   53 4,6-Dinitro-2-methylphenol         198    16.600  16.600 (0.904)      5489    0.38256     0.3826
   54 N-Nitrosodiphenylamine             169    16.654  16.654 (0.907)     29997    0.51151     0.5115
$  55 2,4,6-Tribromophenol               330    16.955  16.955 (1.108)      5302    0.53750     0.5375
   56 4-Bromophenyl-phenylether          248    17.410  17.410 (0.949)     10508    0.47320     0.4732
   57 Hexachlorobenzene                  284    17.734  17.734 (0.966)     11873    0.48722     0.4872
   58 Pentachlorophenol                  266    18.098  18.090 (0.986)      1094    0.10366     0.1037
*  59 Phenanthrene-d10                   188    18.354  18.361 (1.000)    341756    4.00000
   60 Phenanthrene                       178    18.408  18.408 (1.003)     43053    0.48317     0.4832
   61 Anthracene                         178    18.501  18.500 (1.008)     41243    0.48484     0.4848
   62 Carbazole                          167    18.833  18.825 (1.026)     38498    0.46815     0.4681
   63 Di-n-butylphthalate                149    19.615  19.614 (1.069)     44555    0.47888     0.4789
   64 Fluoranthene                       202    20.791  20.791 (0.889)     44357    0.47195     0.4720
   65 Pyrene                             202    21.216  21.216 (0.907)     47545    0.48113     0.4811
$  66 Terphenyl-d14                      244    21.495  21.495 (0.919)     31626    0.45136     0.4514
   67 Butylbenzylphthalate               149    22.408  22.408 (0.958)     19630    0.52609     0.5261
   68 Benzo(a)anthracene                 228    23.368  23.376 (0.999)     46031    0.52057     0.5206
*  69 Chrysene-d12                       240    23.399  23.399 (1.000)    291897    4.00000
   70 3,3'-Dichlorobenzidine             252    23.322  23.322 (0.997)     44420    1.64100      1.641
   71 Chrysene                           228    23.446  23.446 (1.002)     41769    0.50008     0.5001
   72 bis(2-Ethylhexyl)phthalate         149    23.430  23.430 (0.959)     26412    0.51360     0.5136
* 134 Di-n-octylphthalate-d4             153    24.421  24.421 (1.000)    463051    4.00000
   73 Di-n-octylphthalate                149    24.429  24.429 (1.000)     54465    0.49000     0.4900
   74 Benzo(b)fluoranthene               252    25.288  25.296 (0.969)     39255    0.54365     0.5437
   75 Benzo(k)fluoranthene               252    25.335  25.335 (0.971)     41907    0.57023     0.5702
   76 Benzo(a)pyrene                     252    25.962  25.970 (0.995)     31790    0.52962     0.5296
*  77 Perylene-d12                       264    26.086  26.086 (1.000)    229756    4.00000
   78 Indeno(1,2,3-cd)pyrene             276    28.853  28.838 (1.106)     19627    0.28764     0.2876
   79 Dibenzo(a,h)anthracene             278    28.869  28.853 (1.107)     17106    0.29501     0.2950
   80 Benzo(g,h,i)perylene               276    29.661  29.653 (1.137)     13763    0.24077     0.2408
   90 N-Nitrosodimethylamine              74     4.718   4.718 (0.515)     25361    1.01079      1.011
   91 Aniline                             93     8.604   8.611 (0.939)     48364    0.97094     0.9709
   93 Benzidine                          184    21.023  21.015 (0.898)     31719    0.88529     0.8853
  103 Pyridine                            79     4.757   4.741 (0.519)     40010    0.50184     0.5018
  105 1-methylnaphthalene                142    13.336  13.344 (1.143)     33959    0.47418     0.4742
  111 Azobenzene (1,2-DP-Hydrazine)       77    16.731  16.731 (1.093)     41634    0.53337     0.5334
```

```
                                                                                      CONCENTRATIONS
                                    QUANT SIG                                       ON-COLUMN    FINAL
Compounds                             MASS          RT    EXP RT   REL RT  RESPONSE   (ug/mL)    (ug/mL)
==========================            ====        ==== ======== ======== ========   =======    =======
  187 Total Benzofluoranthenes         252      25.288  25.335 (0.969)     78652   1.12670      1.127
  120 2,3,4,6-Tetrachlorophenol        232      16.044  16.044 (1.048)      4758   0.32105     0.3210
```

QC Flag Legend

M - Compound response manually integrated.

```
Data File: \\target\share\chem3\nt14.i\20221230C.b\NT1422123068.D Page 1
Report Date: 04-Jan-2023 14:23

                                   ARI Labs, Inc.

                              INTERNAL STANDARD COMPOUNDS
                                  AREA AND RT SUMMARY

Instrument ID: nt14.i                               Calibration Date: 31-DEC-2022
Lab File ID: NT1422123068.D                         Calibration Time: 23:30
Lab Smp Id: SKL0355-LCV4
Analysis Type: SV                                         Level:
Quant Type: ISTD                                    Sample Type:
Operator: VTS
Method File: \\target\share\chem3\nt14.i\20221230C.b\ABN.m
Misc Info:

Test Mode:
           Use Last Continuing Calibrator.

 |______________________|___________|_________AREA LIMIT____|___________|_______|
 | COMPOUND             | STANDARD  |   LOWER   |   UPPER   |  SAMPLE   | %DIFF |
 |======================|===========|===========|===========|===========|=======|
 |  8 1,4-Dichlorobenze |    138755 |     69378 |    277510 |    113715 |-18.05 |
 | 27 Naphthalene-d8    |    501723 |    250862 |   1003446 |    412900 |-17.70 |
 | 42 Acenaphthene-d10  |    275234 |    137617 |    550468 |    210199 |-23.63 |
 | 59 Phenanthrene-d10  |    440085 |    220043 |    880170 |    341756 |-22.34 |
 | 69 Chrysene-d12      |    384795 |    192398 |    769590 |    291897 |-24.14 |
 |134 Di-n-octylphthala |    674530 |    337265 |   1349060 |    463051 |-31.35 |
 | 77 Perylene-d12      |    336665 |    168333 |    673330 |    229756 |-31.76 |
 |______________________|___________|___________|___________|___________|_______|


 |______________________|___________|__________RT LIMIT_____|___________|_______|
 | COMPOUND             | STANDARD  |   LOWER   |   UPPER   |  SAMPLE   | %DIFF |
 |======================|===========|===========|===========|===========|=======|
 |  8 1,4-Dichlorobenze |      9.16 |      8.66 |      9.66 |      9.16 |  0.00 |
 | 27 Naphthalene-d8    |     11.67 |     11.17 |     12.17 |     11.67 | -0.07 |
 | 42 Acenaphthene-d10  |     15.31 |     14.81 |     15.81 |     15.30 | -0.05 |
 | 59 Phenanthrene-d10  |     18.36 |     17.86 |     18.86 |     18.35 | -0.04 |
 | 69 Chrysene-d12      |     23.40 |     22.90 |     23.90 |     23.40 |  0.00 |
 |134 Di-n-octylphthala |     24.42 |     23.92 |     24.92 |     24.42 |  0.00 |
 | 77 Perylene-d12      |     26.09 |     25.59 |     26.59 |     26.09 |  0.00 |
 |______________________|___________|___________|___________|___________|_______|

AREA UPPER LIMIT = +100% of internal standard area.
AREA LOWER LIMIT = - 50% of internal standard area.
RT UPPER LIMIT = + 0.50 minutes of internal standard RT.
RT LOWER LIMIT = - 0.50 minutes of internal standard RT.
```

```
REVIEW SUMMARY FOR FILE - NT1422123068.D

Lab ID: SKL0355-LCV4
nt14.i,  20221230C.b\ABN.m,    01-JAN-2023 00:42


     RT      CO-ELUTION COMPOUNDS
---------------------------------------------------------------------------

            NO CO-ELUTIONS


Quant Method: ICAL



        RRT CHECK

   RRT    CCV RRT   DELTA    COMPOUND
 -------------------------------------

  0.951    0.960   -0.0093   Benzoic acid

  RRT check based on Ccal File: NT1422123066.D


 On Column LOD for nt14.i, 20221230C.b\ABN.m, ICAL.sub = 0.0000



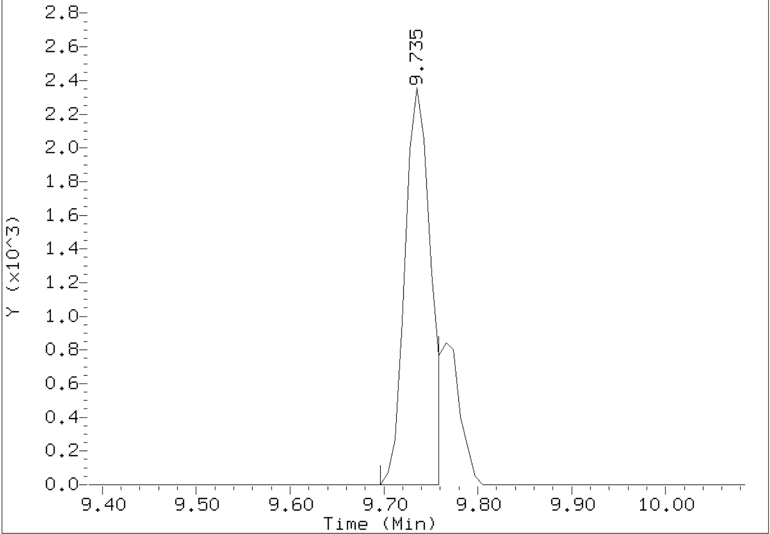
 * Only compounds listed in the work order have been verified by the analyst *
```

Quant Ion Manual Peak Adjustment Report

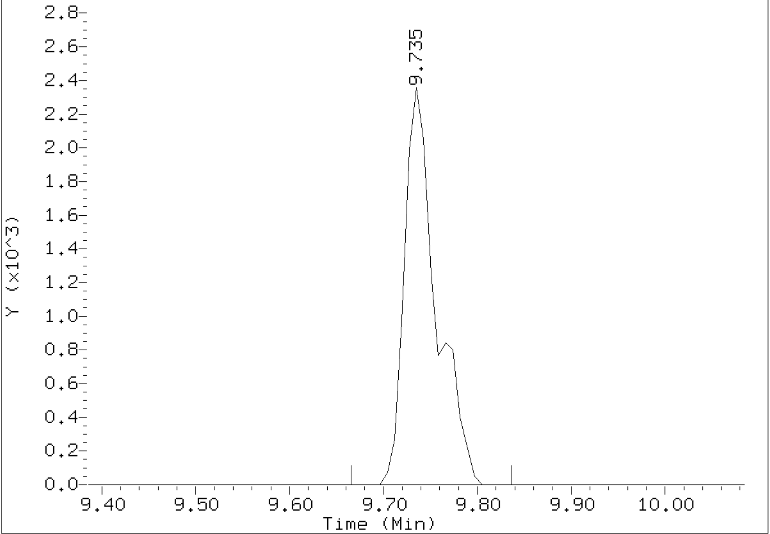
Datafile: //target/share/chem3/nt14.i/20221230C.b/NT1422123068.D
Injection Date: 01-JAN-2023 00:42
Lab ID:SKL0355-LCV4 Client ID:
Report Date: 01/04/2023 14:23

REVIEWED
By Brian Bebee
01/07/2023 @ 06:32 PM

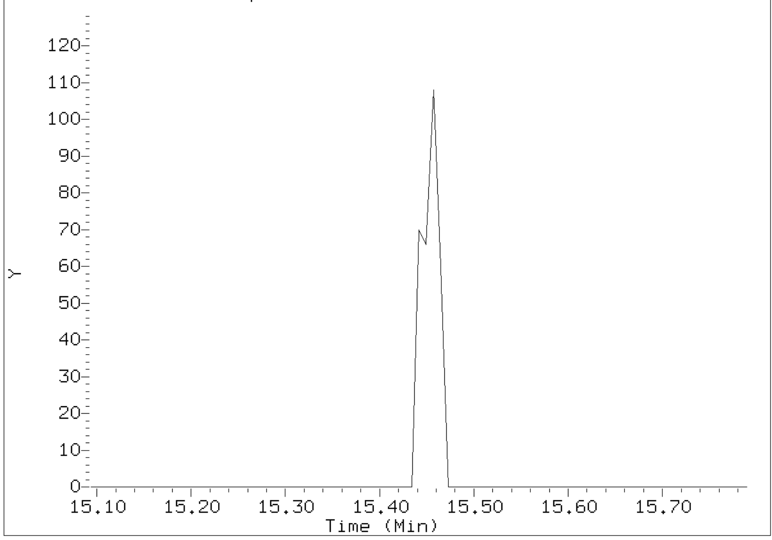
2,2'-oxybis(1-Chloropropane), Mass 121 (Before) Area 4533



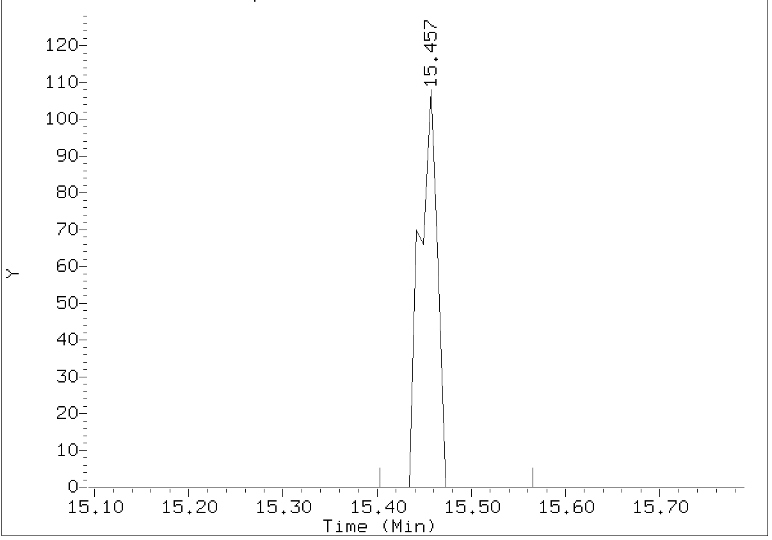
2,2'-oxybis(1-Chloropropane), Mass 121 (Manual) Area 5608



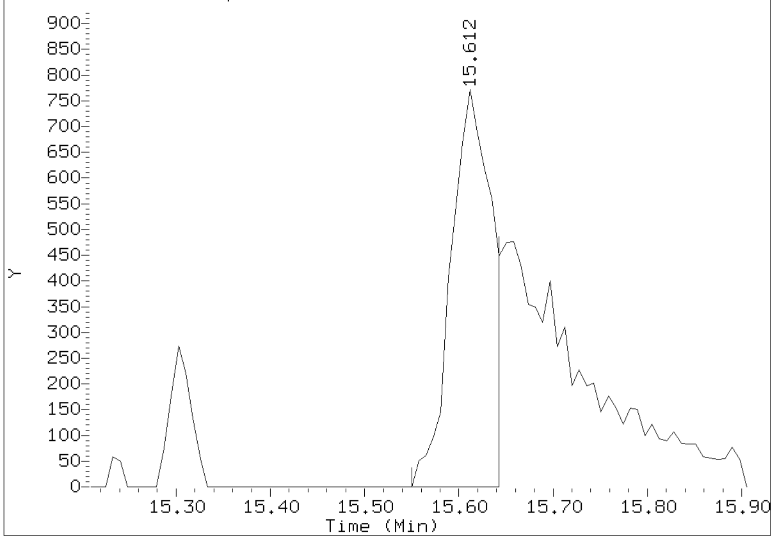
2,4-Dinitrophenol, Mass 184 (Before) Not Found



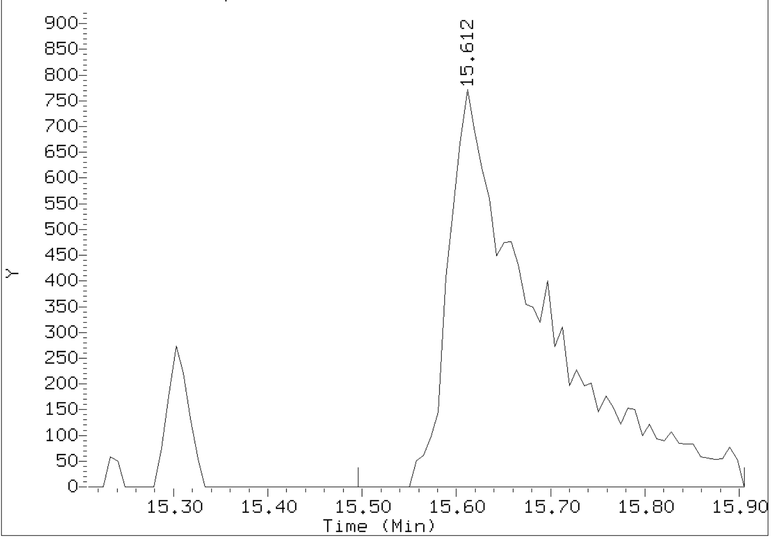
2,4-Dinitrophenol, Mass 184 (Manual) Area 140



4-Nitrophenol, Mass 109 (Before) Area 2345



4-Nitrophenol, Mass 109 (Manual) Area 5233



LOW-CONCENTRATION CALIBRATION VERIFICATION
EPA 8270E

Laboratory:	Analytical Resources, LLC	**SDG:**	22L0307
Client:	Anchor QEA, LLC	**Project:**	AOC4 UR Phase 3
Calibration:	FL00066	**Laboratory ID:**	SLA0068-LCV1
Sequence:	SLA0068	**Standard ID:**	K011106

ANALYTE	EXPECTED (ug/mL)	FOUND (ug/mL)	% DRIFT	QC LIMIT
Phenol	0.50000	0.4	-14.9	50.00
bis(2-chloroethyl) ether	0.50000	0.5	-3.1	50.00
2-Chlorophenol	0.50000	0.5	-8.9	50.00
1,3-Dichlorobenzene	0.50000	0.5	-7.0	50.00
1,4-Dichlorobenzene	0.50000	0.5	-6.7	50.00
1,2-Dichlorobenzene	0.50000	0.5	-4.2	50.00
Benzyl Alcohol	0.50000	0.4	-13.8	50.00
2,2'-Oxybis(1-chloropropane)	0.50000	0.5	1.6	50.00
2-Methylphenol	0.50000	0.4	-14.1	50.00
Hexachloroethane	0.50000	0.5	4.7	50.00
N-Nitroso-di-n-Propylamine	0.50000	0.5	5.1	50.00
4-Methylphenol	0.50000	0.4	-19.6	50.00
Nitrobenzene	0.50000	0.5	-2.5	50.00
Isophorone	0.50000	0.5	-5.5	50.00
2-Nitrophenol	0.50000	0.4	-29.5	50.00
2,4-Dimethylphenol	1.0000	0.8	-20.4	50.00
Bis(2-Chloroethoxy)methane	0.50000	0.5	-5.7	50.00
2,4-Dichlorophenol	1.0000	0.7	-32.6	50.00
1,2,4-Trichlorobenzene	0.50000	0.5	6.9	50.00
Naphthalene	0.50000	0.5	-7.8	50.00
Benzoic acid	2.0000	0.3	-84.0	50.00
4-Chloroaniline	1.0000	0.8	-22.1	50.00
Hexachlorobutadiene	0.50000	0.5	-6.4	50.00
4-Chloro-3-Methylphenol	1.0000	0.7	-28.5	50.00
2-Methylnaphthalene	0.50000	0.4	-14.5	50.00
Hexachlorocyclopentadiene	1.0000	0.6	-43.7	50.00
2,4,6-Trichlorophenol	1.0000	0.7	-31.6	50.00
2,4,5-Trichlorophenol	1.0000	0.5	-47.3	50.00
2-Chloronaphthalene	0.50000	0.5	-9.3	50.00

LOW-CONCENTRATION CALIBRATION VERIFICATION

EPA 8270E

Laboratory: Analytical Resources, LLC

SDG: 22L0307

Client: Anchor QEA, LLC

Project: AOC4 UR Phase 3

Calibration: FL00066

Laboratory ID: SLA0068-LCV1

Sequence: SLA0068

Standard ID: K011106

2-Nitroaniline	1.0000	1.0	-4.7	50.00
Acenaphthylene	0.50000	0.5	-7.3	50.00
Dimethylphthalate	0.50000	0.5	-3.3	50.00
2,6-Dinitrotoluene	1.0000	0.8	-15.3	50.00
Acenaphthene	0.50000	0.5	-6.0	50.00
3-Nitroaniline	1.0000	0.8	-17.8	50.00
2,4-Dinitrophenol	2.0000	0.3	-87.1	50.00
Dibenzofuran	0.50000	0.5	-8.5	50.00
4-Nitrophenol	1.0000	0.6	-42.0	50.00
2,4-Dinitrotoluene	1.0000	0.8	-21.2	50.00
Fluorene	0.50000	0.5	-7.5	50.00
4-Chlorophenylphenyl ether	0.50000	0.4	-15.5	50.00
Diethyl phthalate	0.50000	0.5	7.0	50.00
4-Nitroaniline	1.0000	0.9	-10.5	50.00
4,6-Dinitro-2-methylphenol	2.0000	0.8	-61.6	50.00
N-Nitrosodiphenylamine	0.50000	0.5	-9.7	50.00
4-Bromophenyl phenyl ether	0.50000	0.4	-14.1	50.00
Hexachlorobenzene	0.50000	0.4	-11.3	50.00
Pentachlorophenol	1.0000	0.1	-88.8	50.00
Phenanthrene	0.50000	0.5	-8.4	50.00
Anthracene	0.50000	0.5	-8.1	50.00
Carbazole	0.50000	0.5	-7.6	50.00
Di-n-Butylphthalate	0.50000	0.5	-4.1	50.00
Fluoranthene	0.50000	0.5	-2.7	50.00
Pyrene	0.50000	0.5	-2.9	50.00
Butylbenzylphthalate	0.50000	0.6	12.9	50.00
Benzo(a)anthracene	0.50000	0.5	-6.6	50.00
3,3'-Dichlorobenzidine	1.5000	1.5	3.2	50.00
Chrysene	0.50000	0.5	-6.3	50.00
bis(2-Ethylhexyl)phthalate	0.50000	0.5	-3.3	50.00
Di-n-Octylphthalate	0.50000	0.5	-7.0	50.00

LOW-CONCENTRATION
CALIBRATION VERIFICATION
EPA 8270E

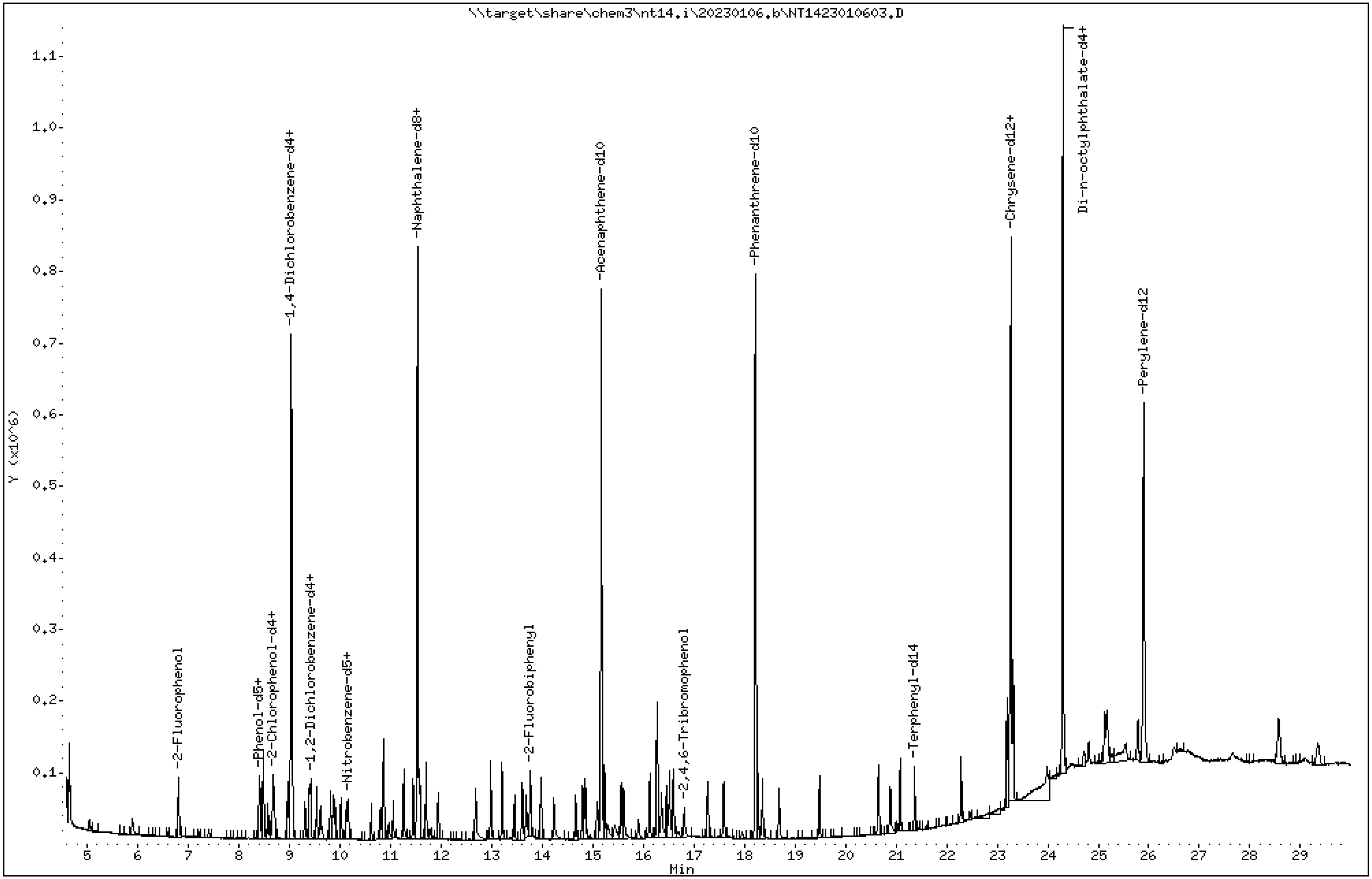
Laboratory: Analytical Resources, LLC
SDG: 22L0307
Client: Anchor QEA, LLC
Project: AOC4 UR Phase 3
Calibration: FL00066
Laboratory ID: SLA0068-LCV1
Sequence: SLA0068
Standard ID: K011106

Benzofluoranthenes, Total	1.0000	0.9	-11.4	50.00
Benzo(a)pyrene	0.50000	0.5	-3.3	50.00
Indeno(1,2,3-cd)pyrene	0.50000	0.5	-6.4	50.00
Dibenzo(a,h)anthracene	0.50000	0.5	-9.7	50.00
Benzo(g,h,i)perylene	0.50000	0.5	-7.4	50.00
1-Methylnaphthalene	0.50000	0.4	-12.7	50.00
2-Fluorophenol	0.75000	0.684	-8.8	50.00
Phenol-d5	0.75000	0.647	-13.8	50.00
2-Chlorophenol-d4	0.75000	0.697	-7.1	50.00
1,2-Dichlorobenzene-d4	0.50000	0.468	-6.4	50.00
Nitrobenzene-d5	0.50000	0.500	0.02	50.00
2-Fluorobiphenyl	0.50000	0.457	-8.6	50.00
2,4,6-Tribromophenol	0.75000	0.519	-30.8	50.00
p-Terphenyl-d14	0.50000	0.471	-5.7	50.00

* Values outside of QC limits

Data File: \\target\share\chem3\nt14.i\20230106.b\NT1423010603.D
Date : 06-JAN-2023 12:48
Client ID:
Sample Info: SLA0068-LCV1
Column phase: ZB-5msi

Instrument: nt14.i
Operator: VTS
Column diameter: 0.25



Data File: \\target\share\chem3\nt14.i\20230106.b\NT1423010603.D

Date : 06-JAN-2023 12:48

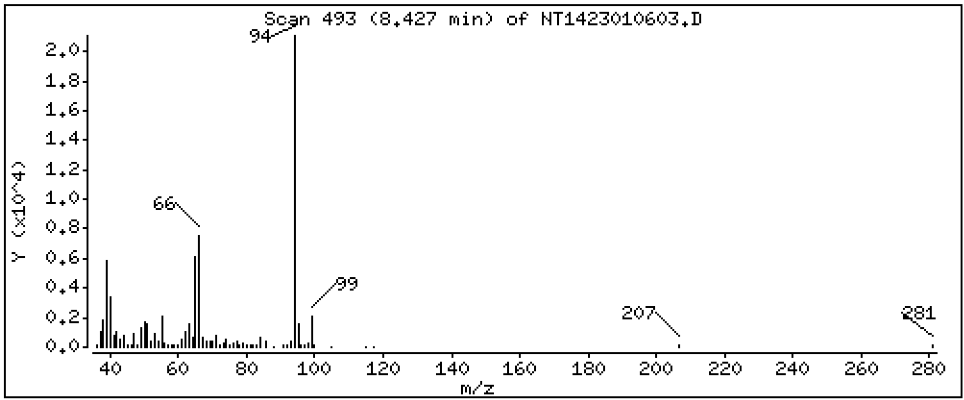
Client ID: Instrument: nt14.i

Sample Info: SLA0068-LCV1

Operator: VTS

Column phase: ZB-5msi Column diameter: 0.25

3 Phenol Concentration: 0.4258 ug/mL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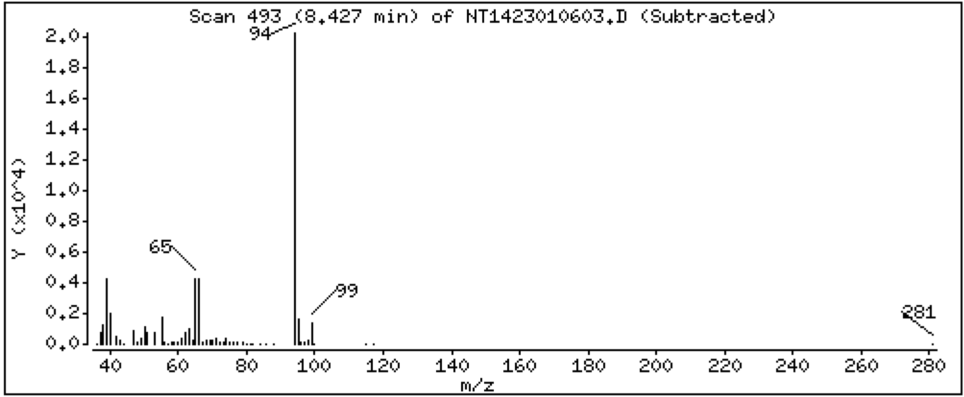
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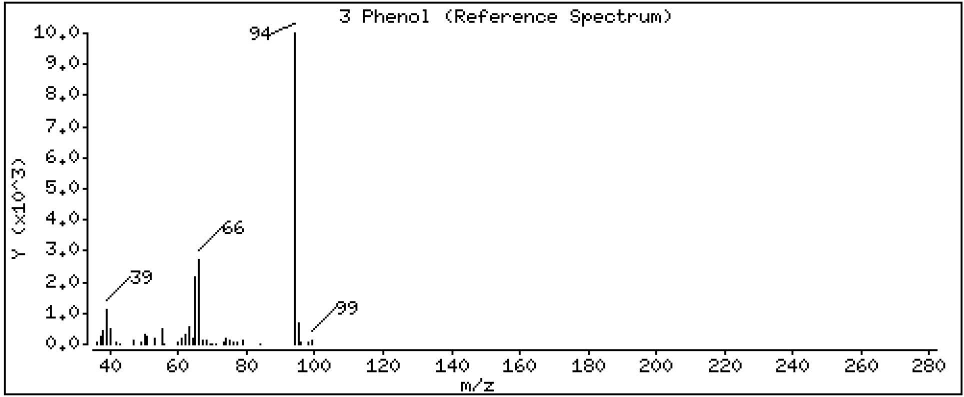
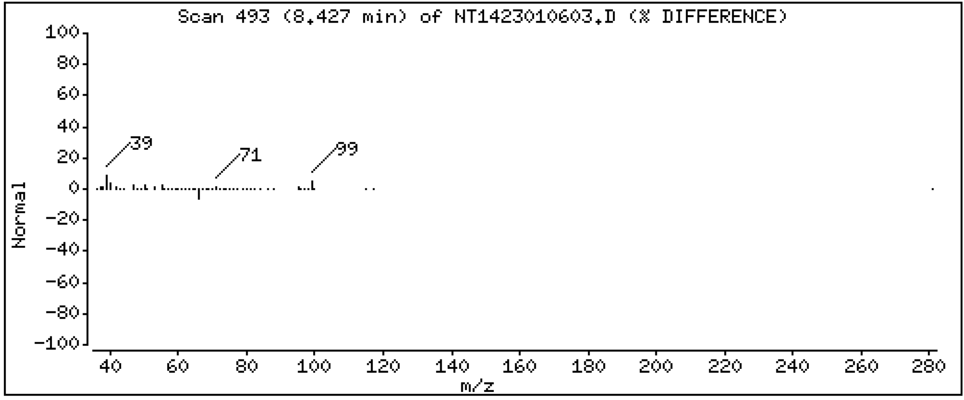

3 Phenol (Reference Spectrum)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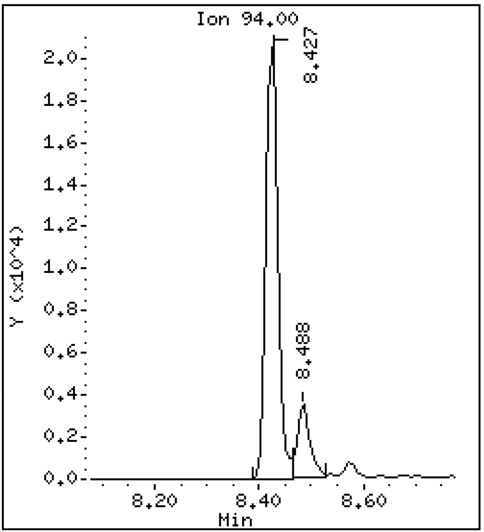
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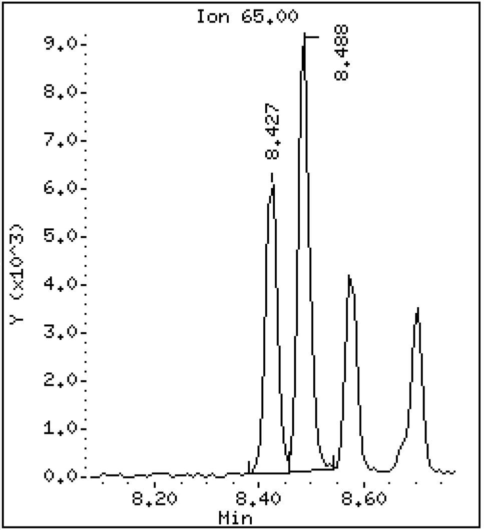
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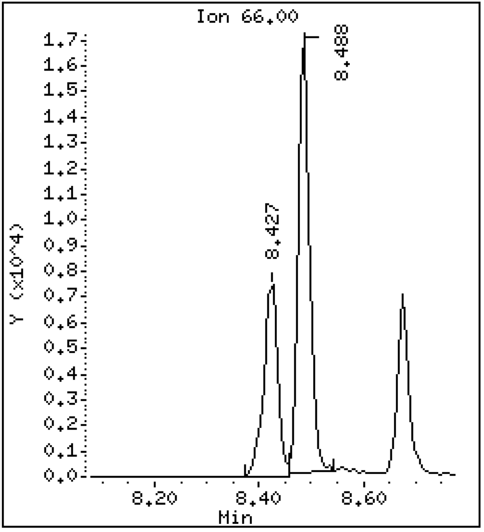
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Data File: \\target\share\chem3\nt14.i\20230106.b\NT1423010603.D

Date : 06-JAN-2023 12:48

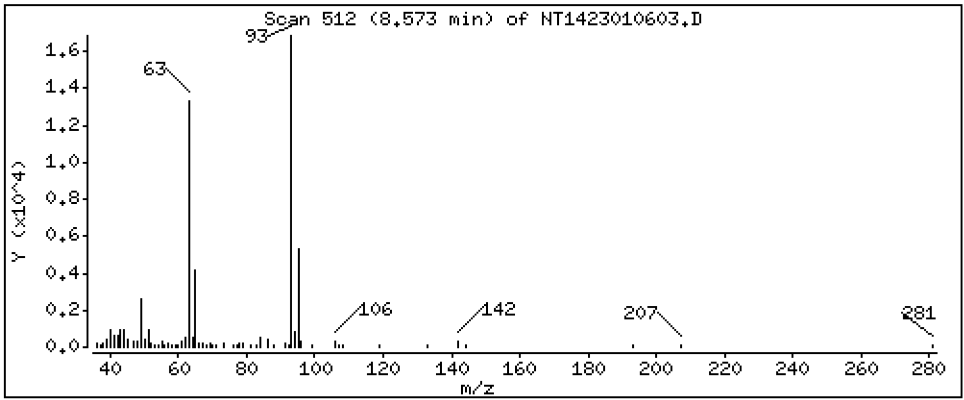
Client ID: Instrument: nt14.i

Sample Info: SLA0068-LCV1

Operator: VTS

Column phase: ZB-5msi Column diameter: 0.25

4 Bis(2-Chloroethyl)ether Concentration: 0.4843 ug/mL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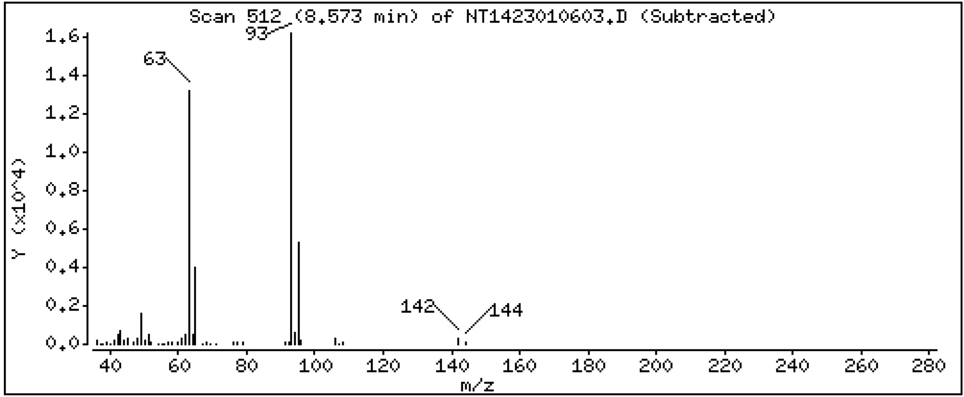
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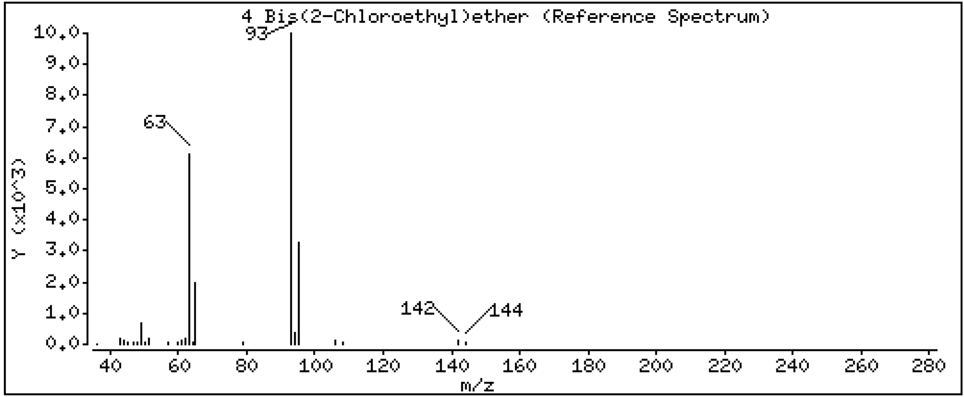
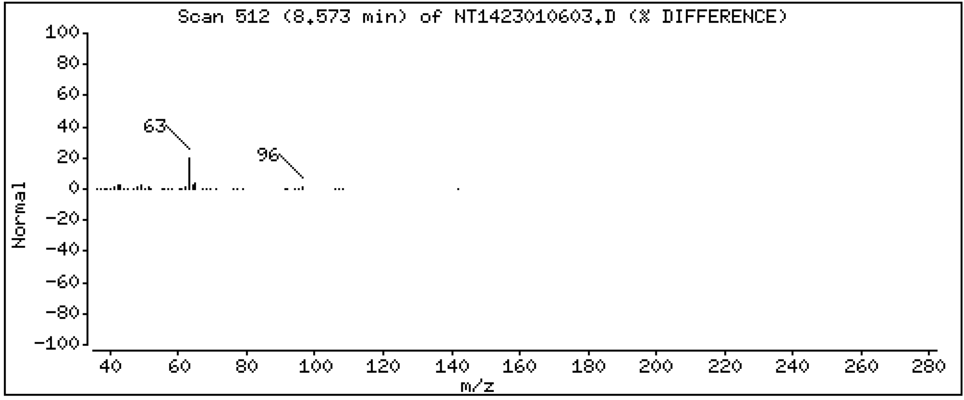

4 Bis(2-Chloroethyl)ether (Reference Spectrum)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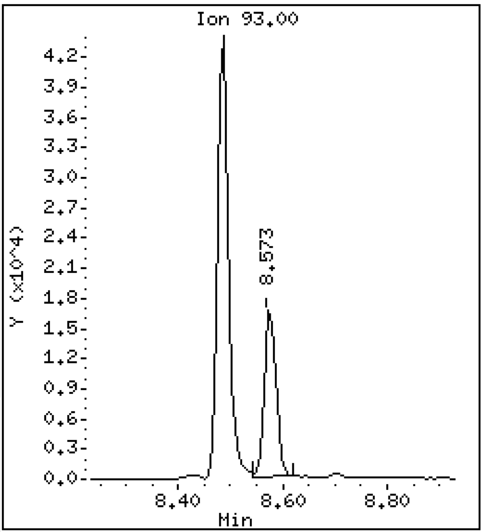
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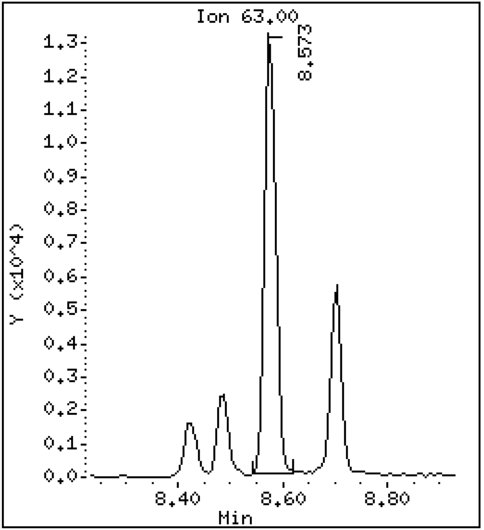
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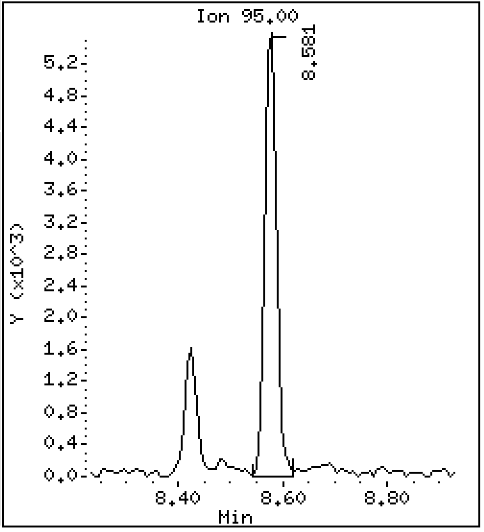
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Date : 06-JAN-2023 12:48

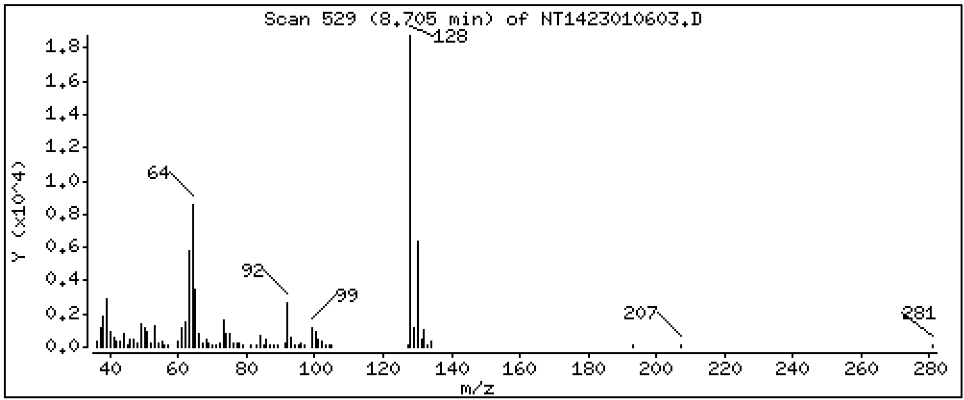
Client ID: Instrument: nt14.i

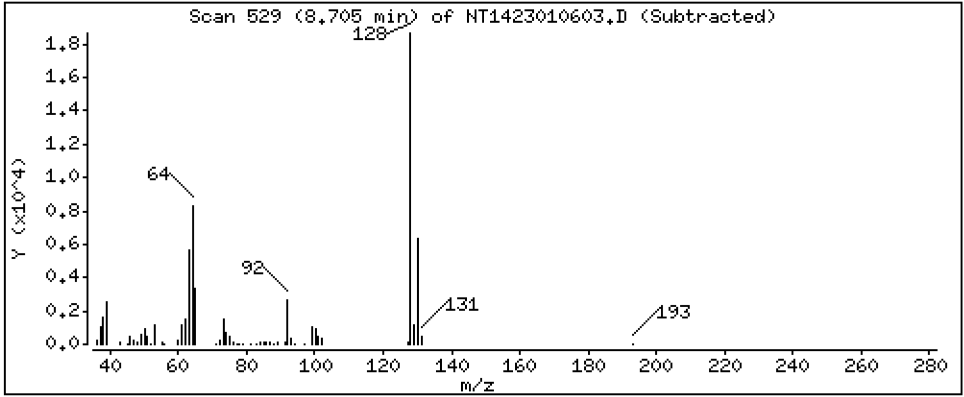
Sample Info: SLA0068-LCV1

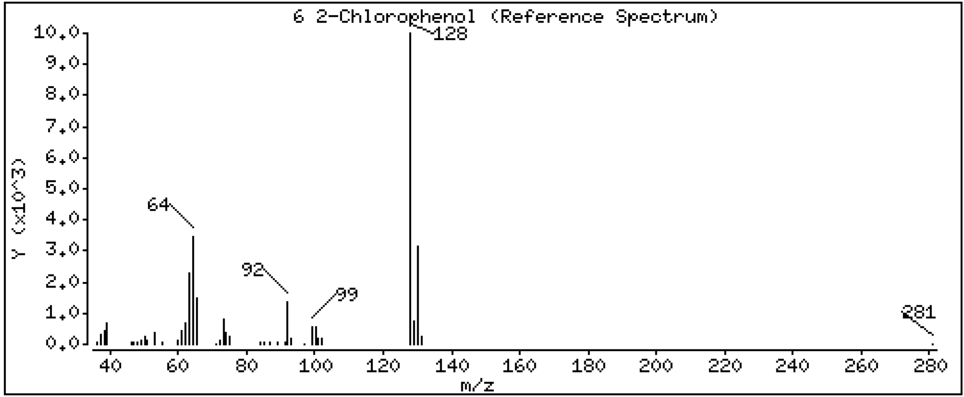
Operator: VTS

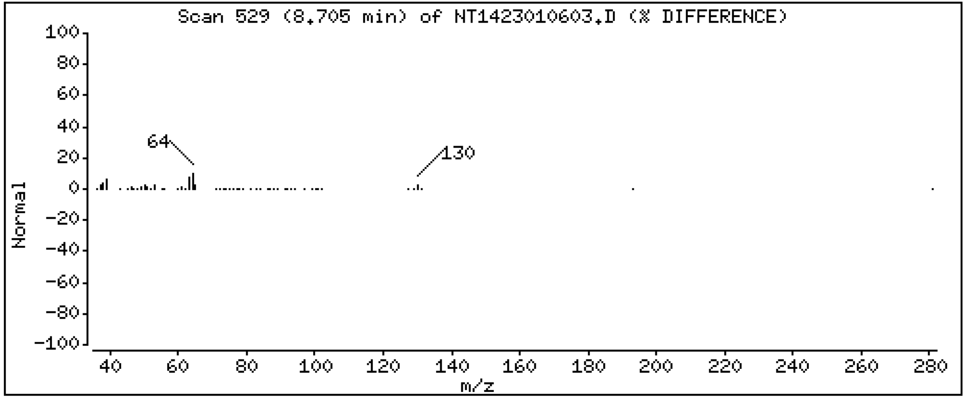
Column phase: ZB-5msi Column diameter: 0.25

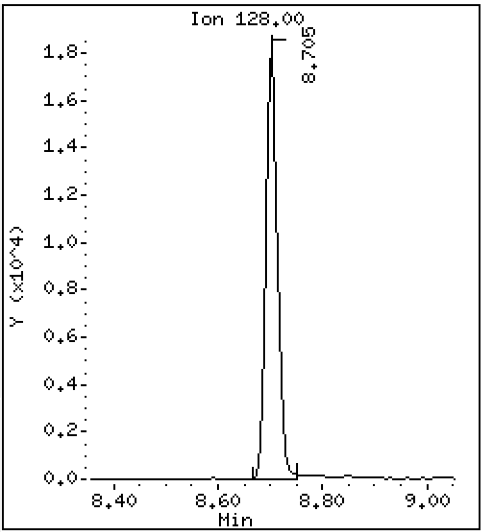
6 2-Chlorophenol Concentration: 0.4557 ug/mL

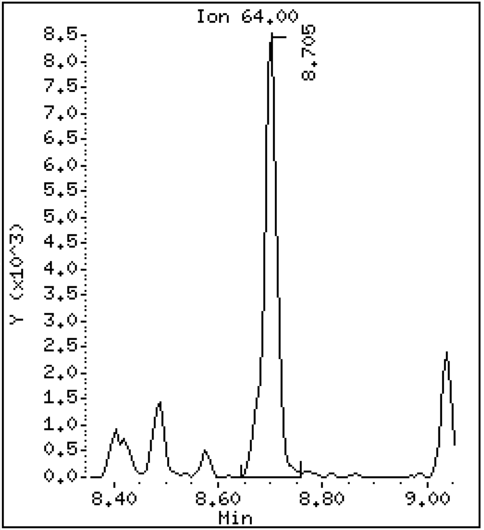

Scan 529 (8.705 min) of NT1423010603.D

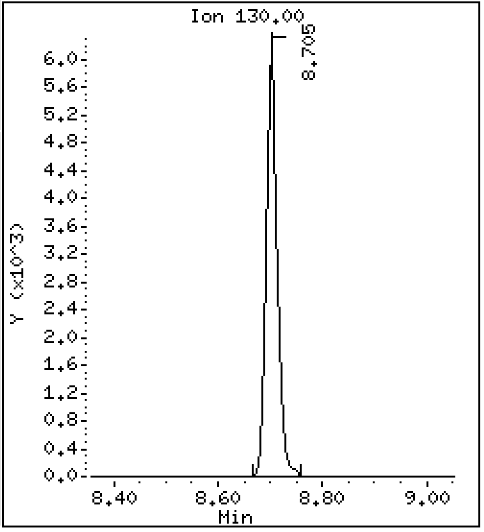

Scan 529 (8.705 min) of NT1423010603.D (Subtracted)


6 2-Chlorophenol (Reference Spectrum)


Scan 529 (8.705 min) of NT1423010603.D (% DIFFERENCE)


Ion 128.00


Ion 64.00


Ion 130.00

Data File: \\target\share\chem3\nt14.i\20230106.b\NT1423010603.D

Date : 06-JAN-2023 12:48

Client ID:

Instrument: nt14.i

Sample Info: SLA0068-LCV1

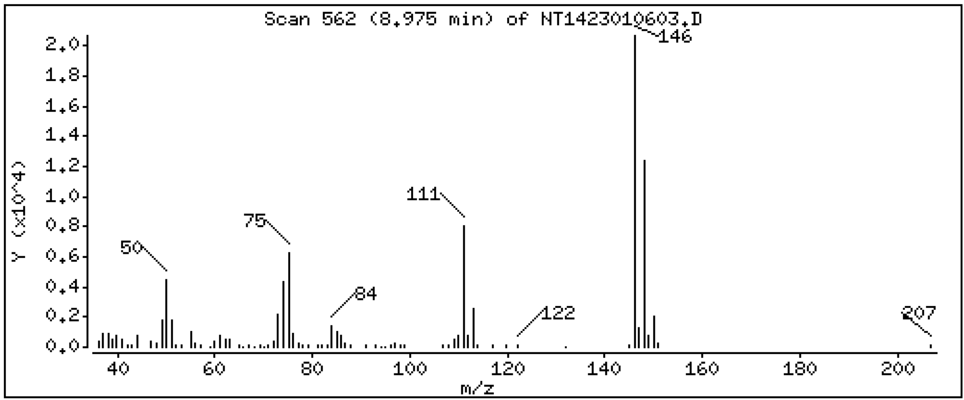
Operator: VTS

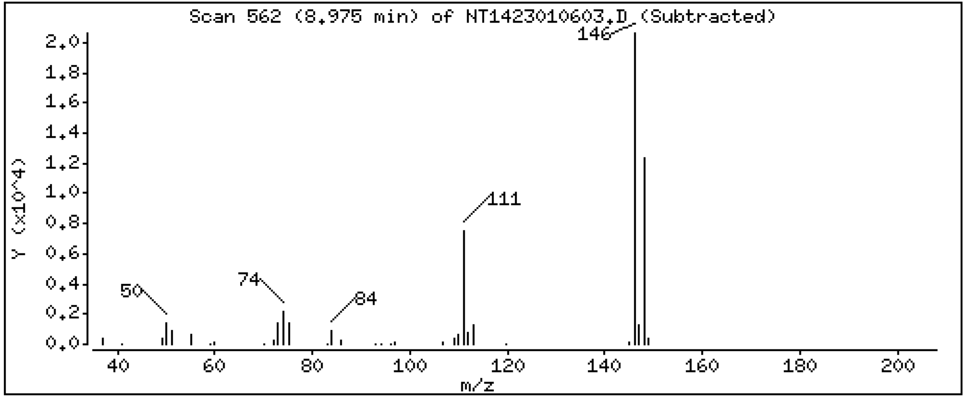
Column phase: ZB-5msi

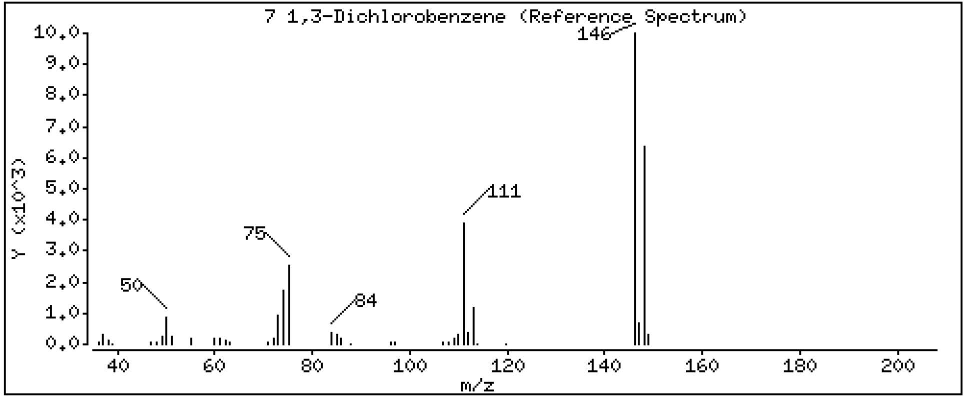
Column diameter: 0.25

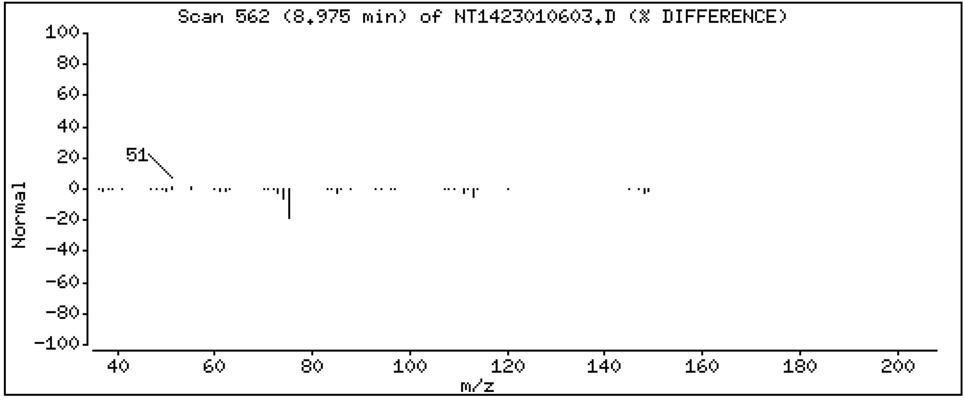
7 1,3-Dichlorobenzene

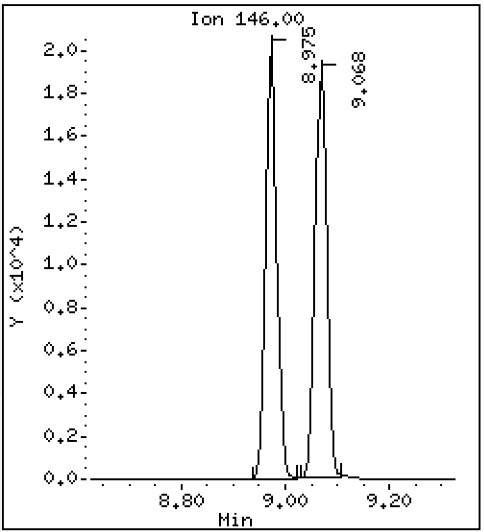
Concentration: 0.4652 ug/mL


Scan 562 (8.975 min) of NT1423010603.D


Scan 562 (8.975 min) of NT1423010603.D (Subtracted)


7 1,3-Dichlorobenzene (Reference Spectrum)


Scan 562 (8.975 min) of NT1423010603.D (% DIFFERENCE)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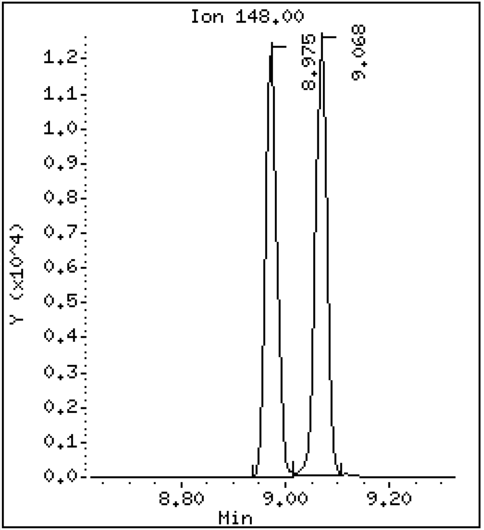
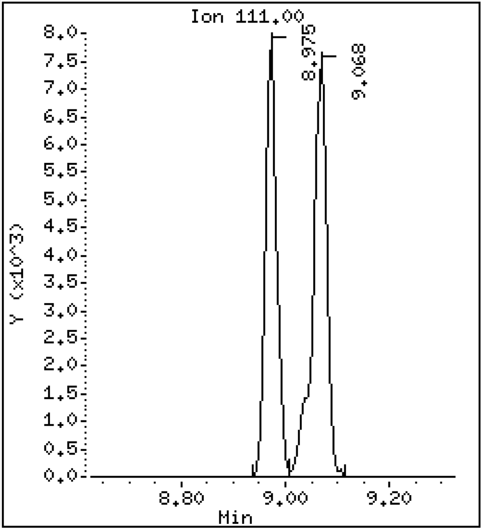

Ion 148.00


Ion 111.00

Data File: \\target\share\chem3\nt14.i\20230106.b\NT1423010603.D

Date : 06-JAN-2023 12:48

Client ID:

Instrument: nt14.i

Sample Info: SLA0068-LCV1

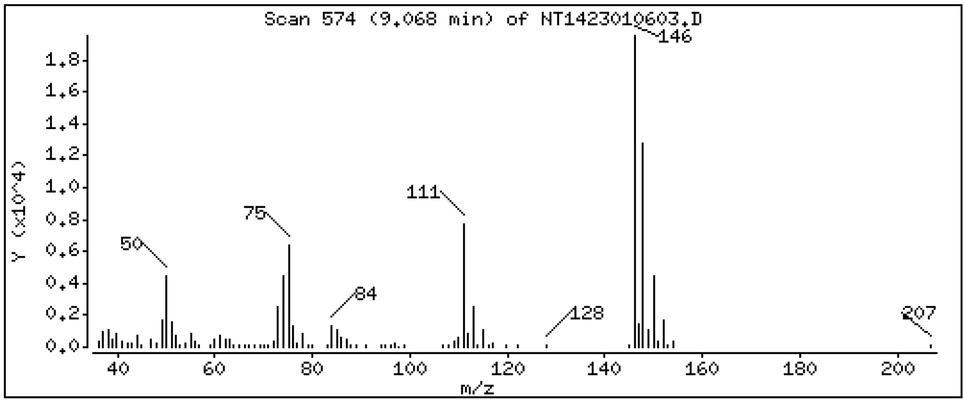
Operator: VTS

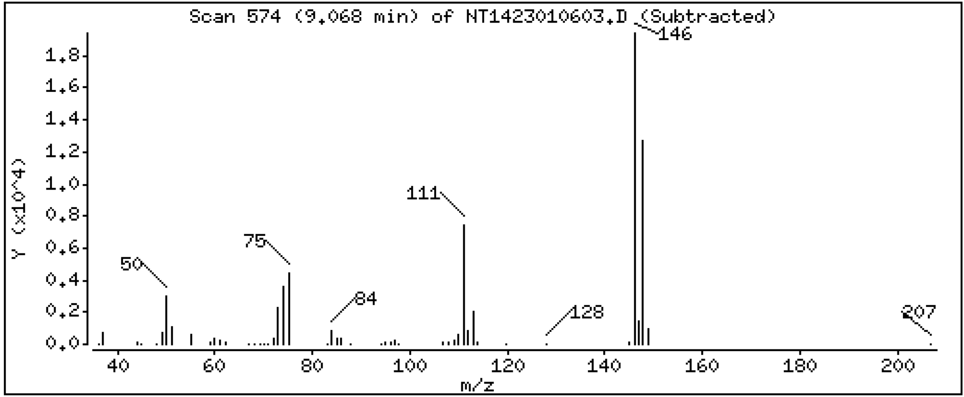
Column phase: ZB-5msi

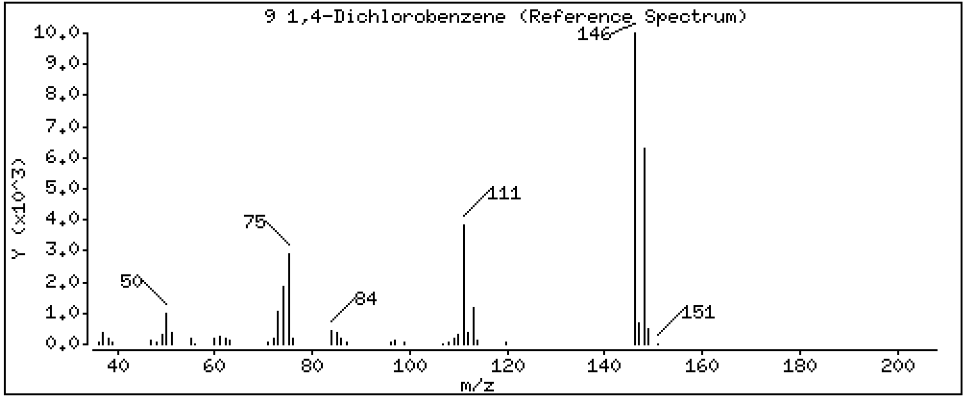
Column diameter: 0.25

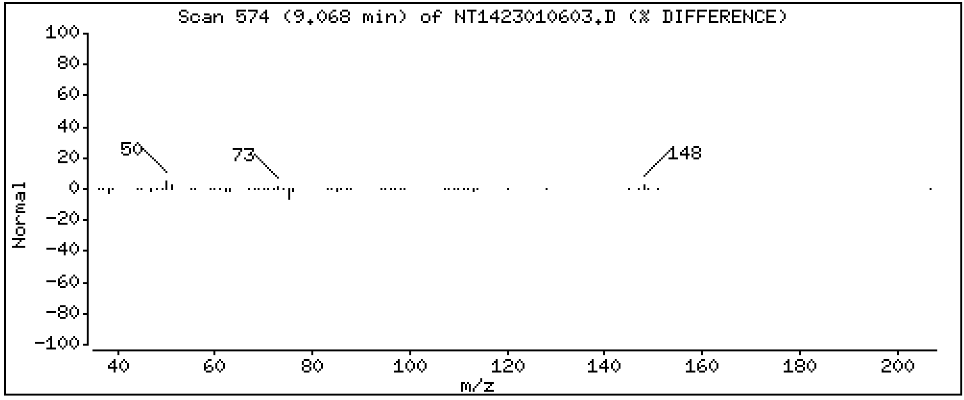
9 1,4-Dichlorobenzene

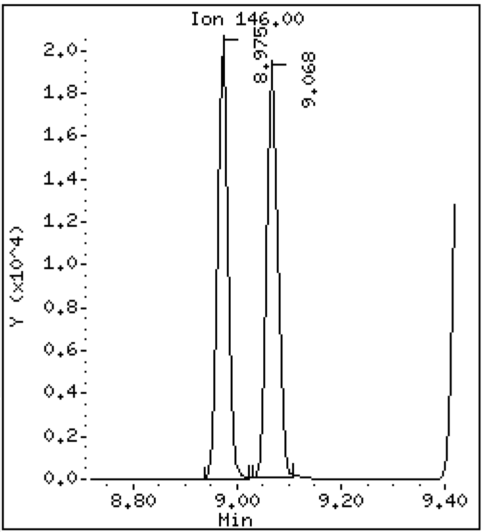
Concentration: 0.4667 ug/mL


Scan 574 (9.068 min) of NT1423010603.D


Scan 574 (9.068 min) of NT1423010603.D (Subtracted)


9 1,4-Dichlorobenzene (Reference Spectrum)


Scan 574 (9.068 min) of NT1423010603.D (% DIFFERENCE)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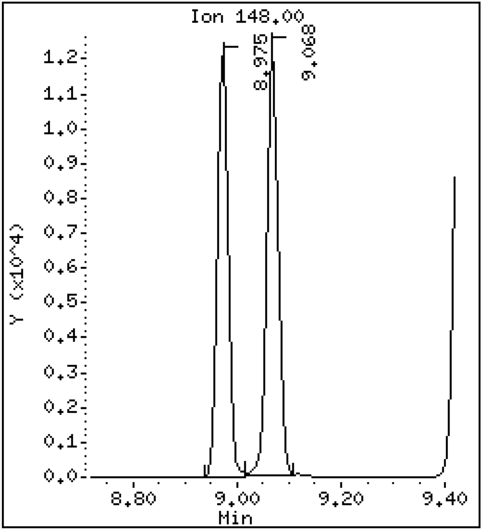
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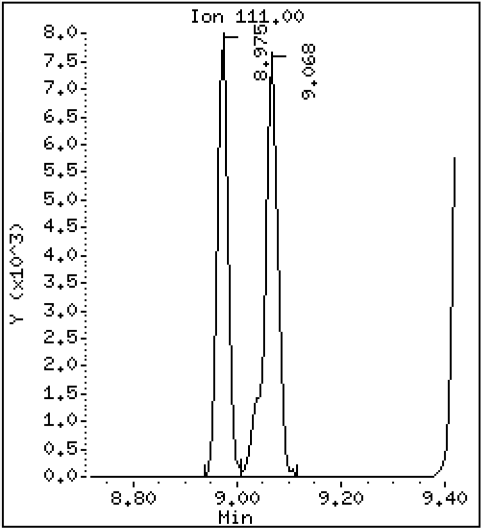

Ion 111.00

Data File: \\target\share\chem3\nt14.i\20230106.b\NT1423010603.D

Date : 06-JAN-2023 12:48

Client ID:

Instrument: nt14.i

Sample Info: SLA0068-LCV1

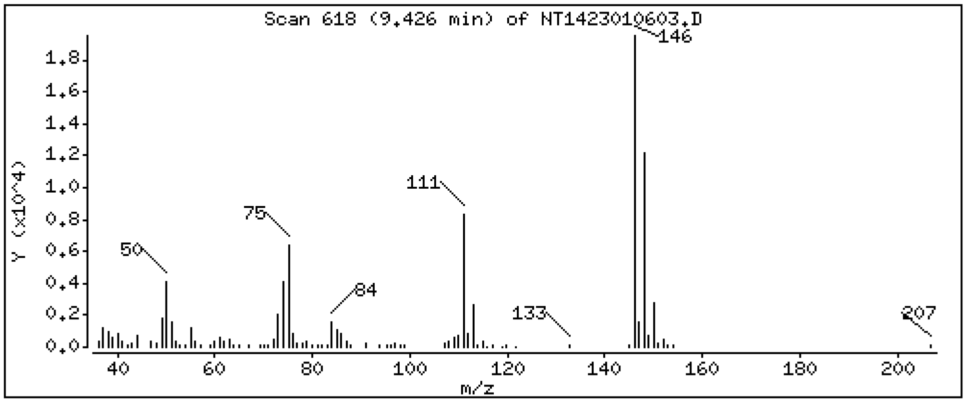
Operator: VTS

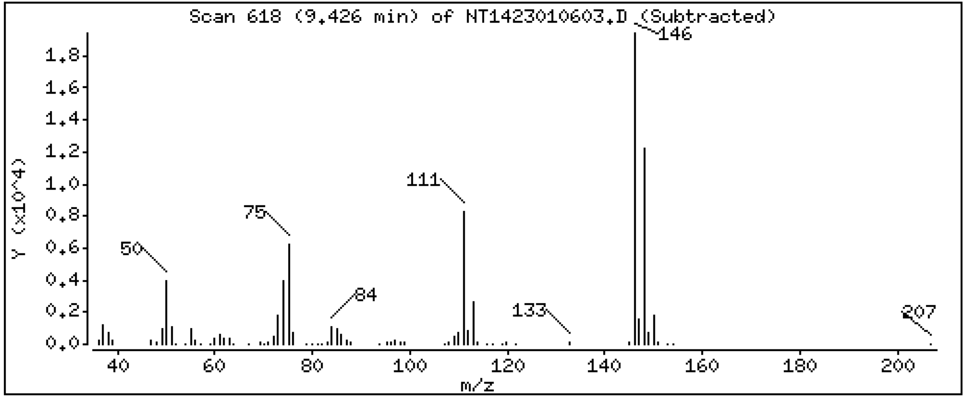
Column phase: ZB-5msi

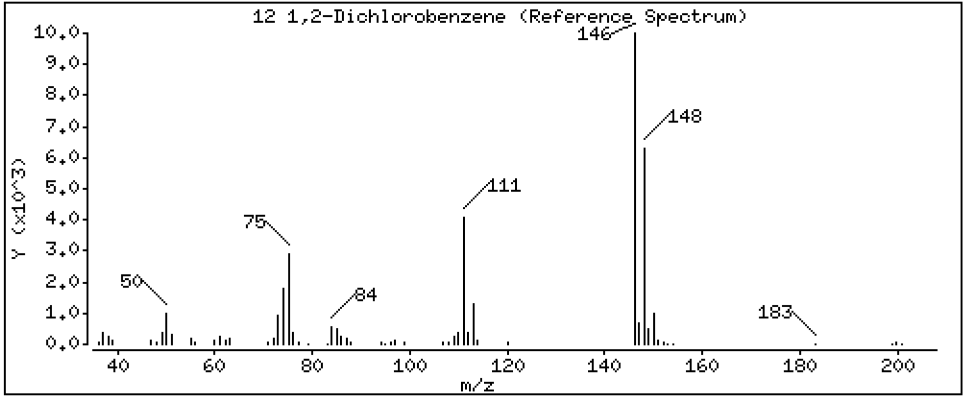
Column diameter: 0.25

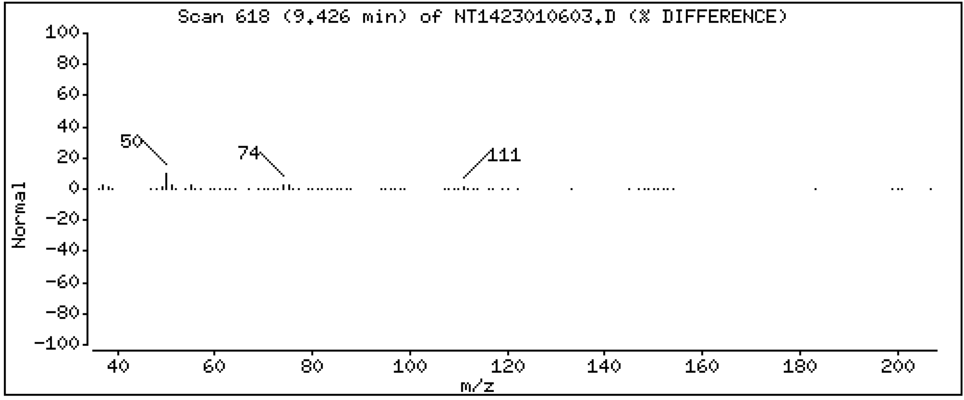
12 1,2-Dichlorobenzene

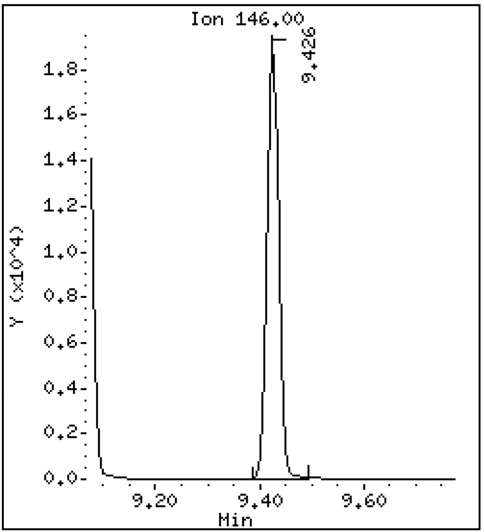
Concentration: 0.4789 ug/mL

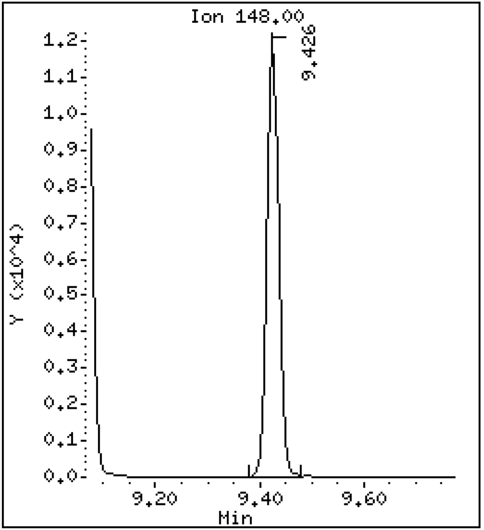


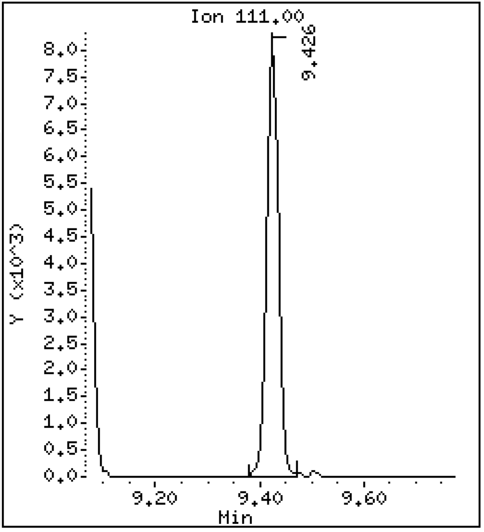












Data File: \\target\share\chem3\nt14.i\20230106.b\NT1423010603.D

Date : 06-JAN-2023 12:48

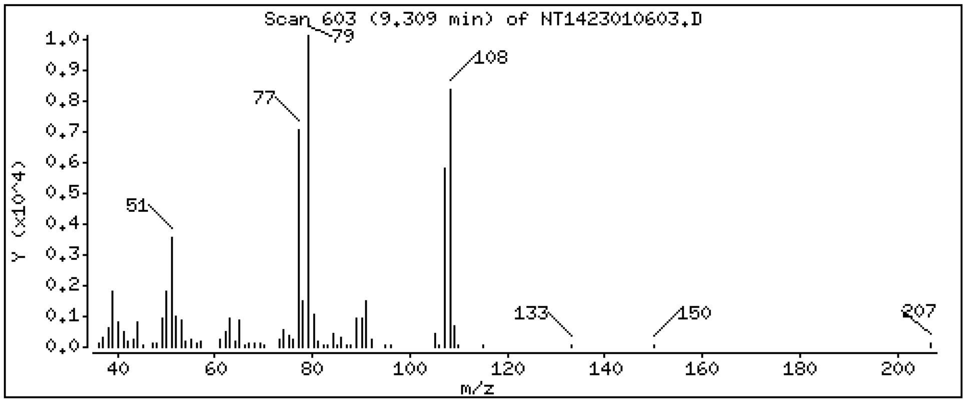
Client ID: Instrument: nt14.i

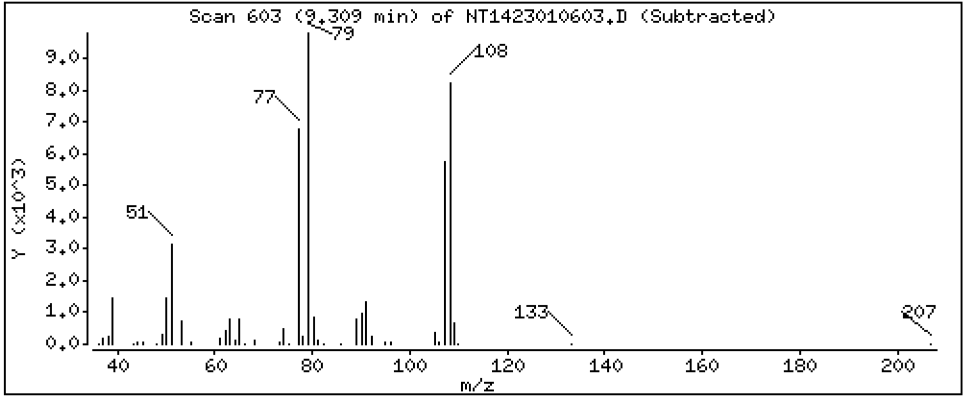
Sample Info: SLA0068-LCV1

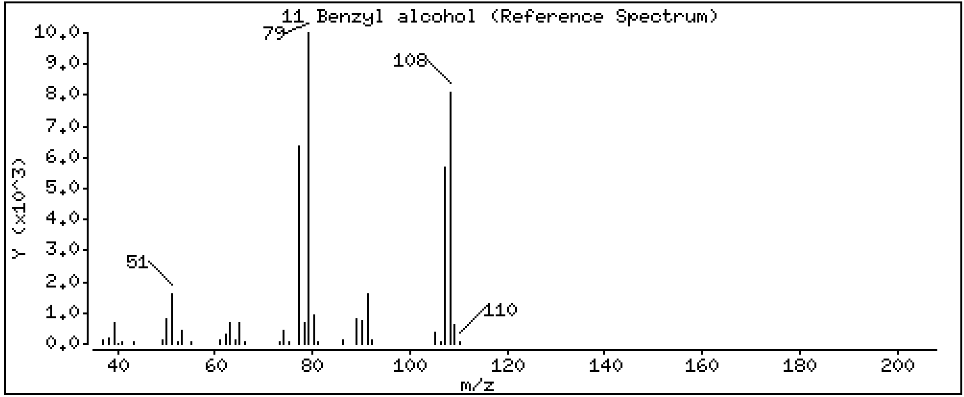
Operator: VTS

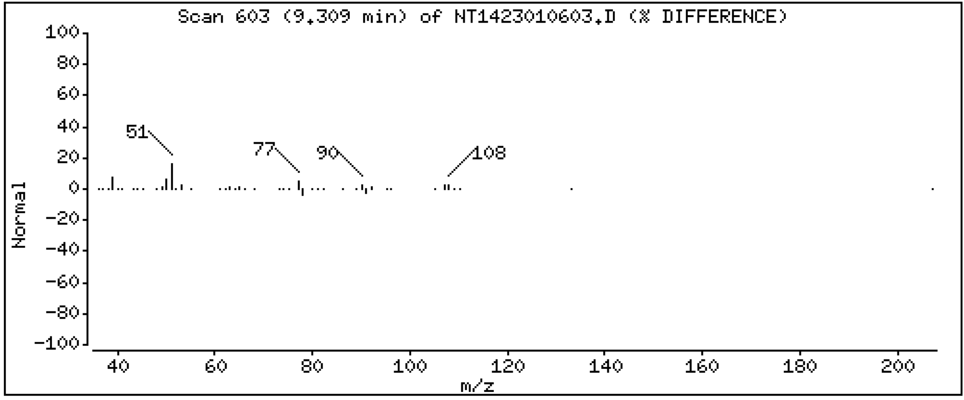
Column phase: ZB-5msi Column diameter: 0.25

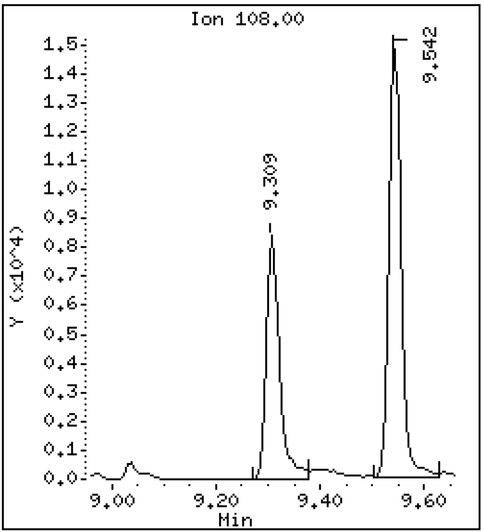
11 Benzyl alcohol Concentration: 0.4312 ug/mL

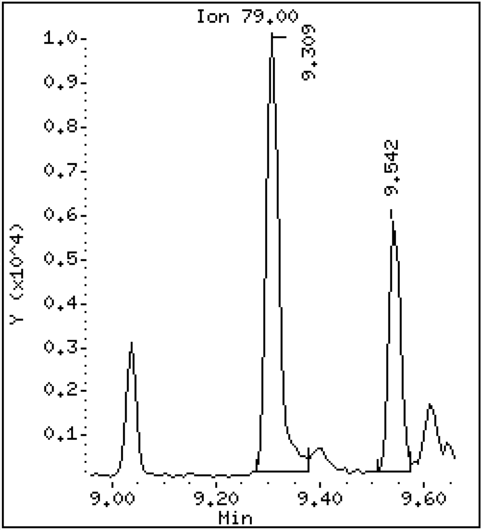

Scan 603 (9.309 min) of NT1423010603.D

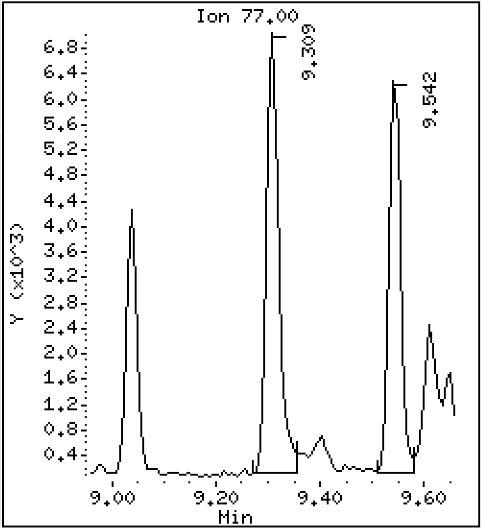

Scan 603 (9.309 min) of NT1423010603.D (Subtracted)


11 Benzyl alcohol (Reference Spectrum)


Scan 603 (9.309 min) of NT1423010603.D (% DIFFERENCE)


Ion 108.00


Ion 79.00


Ion 77.00

Data File: \\target\share\chem3\nt14.i\20230106.b\NT1423010603.D

Date : 06-JAN-2023 12:48

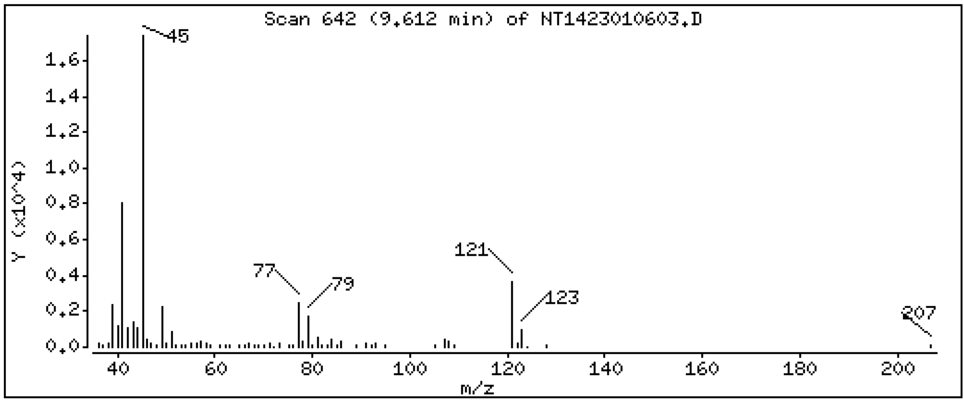
Client ID: Instrument: nt14.i

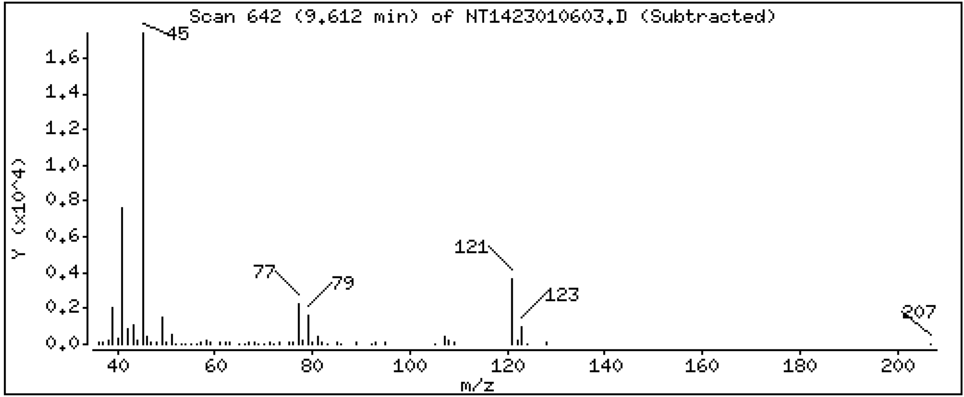
Sample Info: SLA0068-LCV1

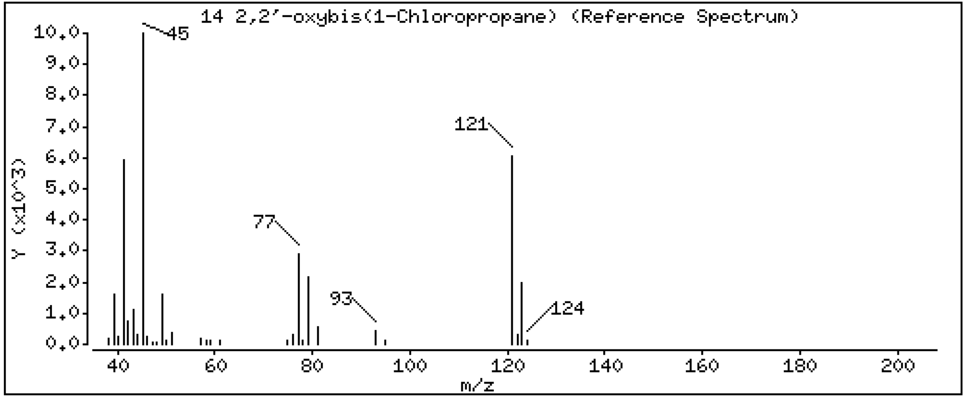
Operator: VTS

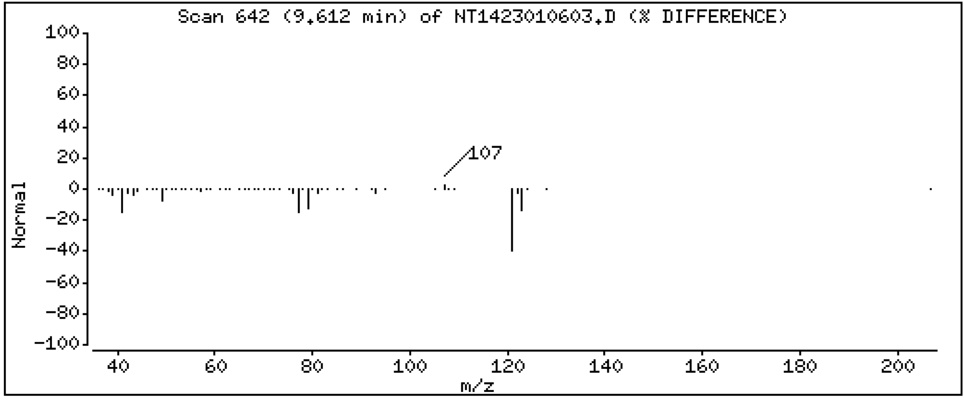
Column phase: ZB-5msi Column diameter: 0.25

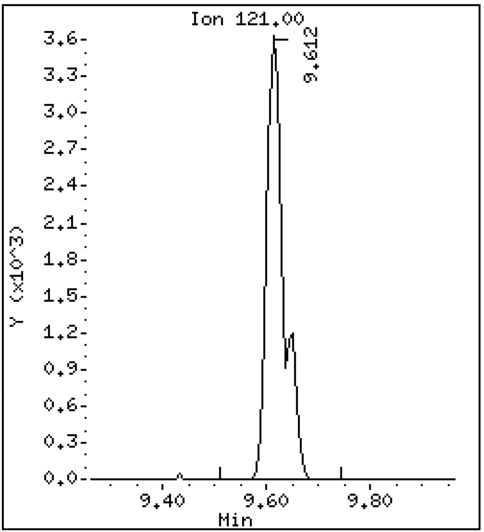
14 2,2'-oxybis(1-Chloropropane) Concentration: 0.5082 ug/mL

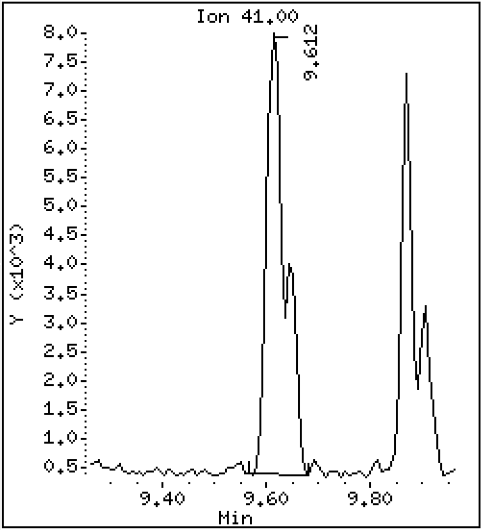


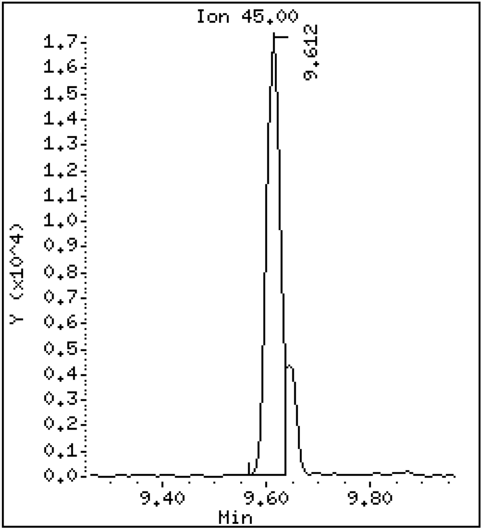












Data File: \\target\share\chem3\nt14.i\20230106.b\NT1423010603.D

Date : 06-JAN-2023 12:48

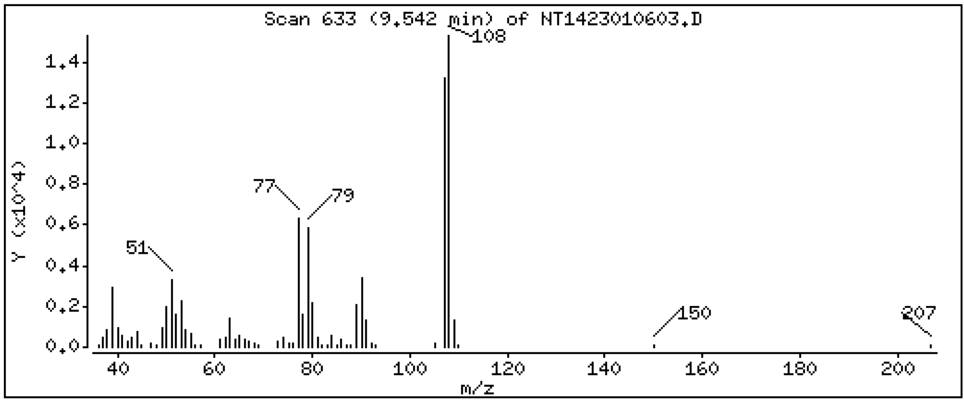
Client ID: Instrument: nt14.i

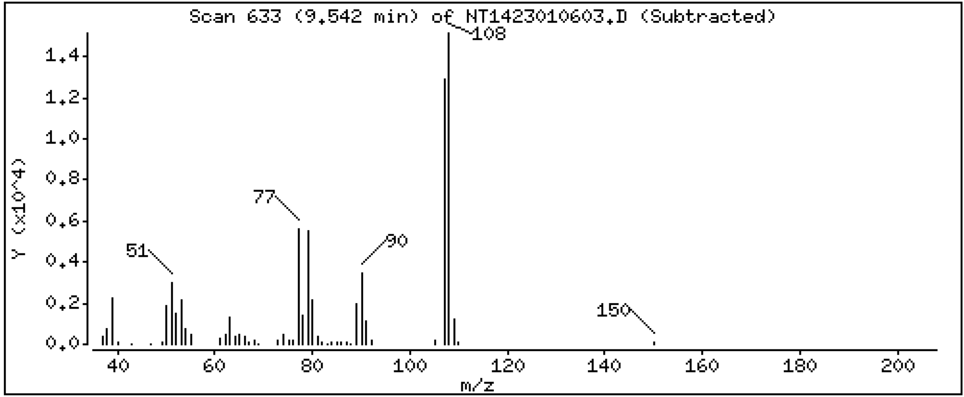
Sample Info: SLA0068-LCV1

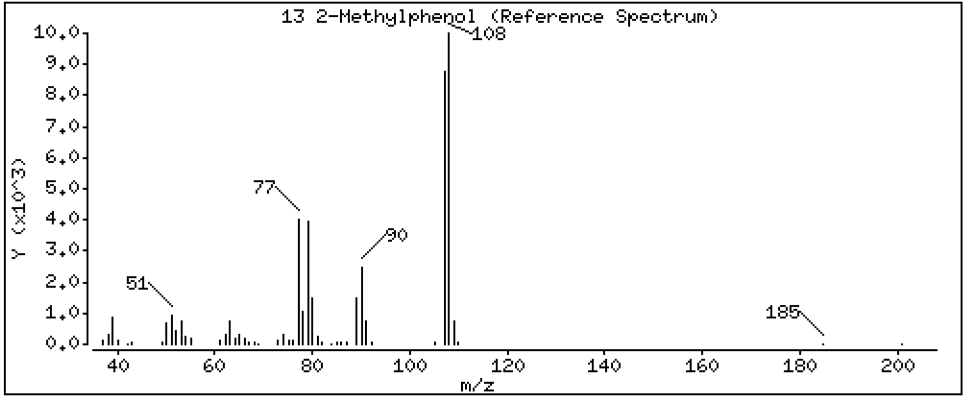
Operator: VTS

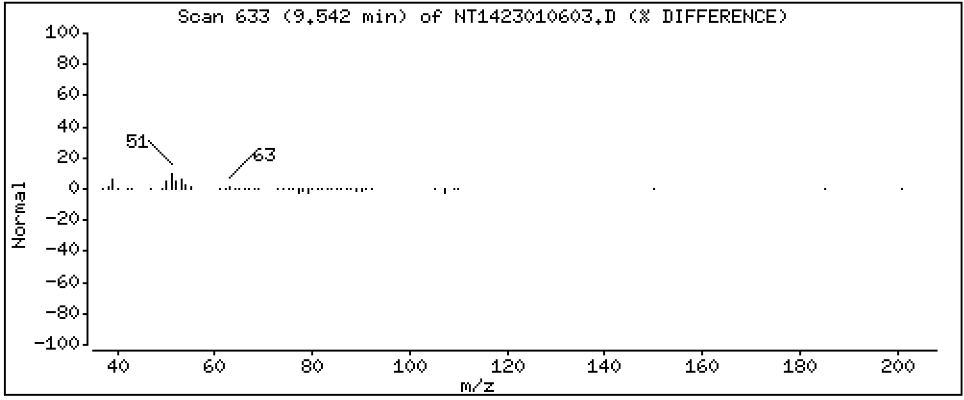
Column phase: ZB-5msi Column diameter: 0.25

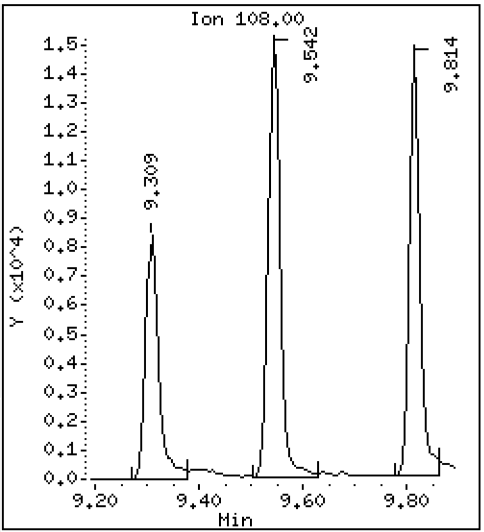
13 2-Methylphenol Concentration: 0.4295 ug/mL

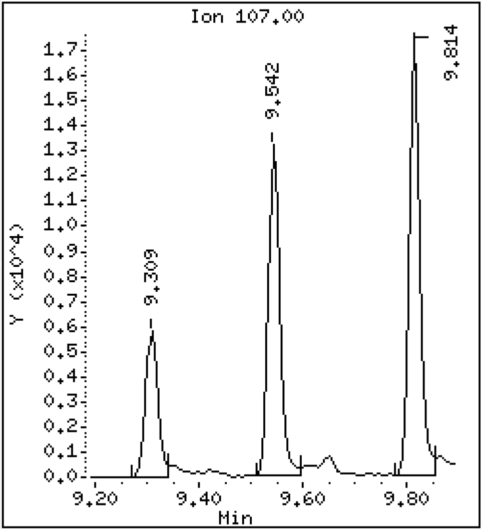

Scan 633 (9.542 min) of NT1423010603.D

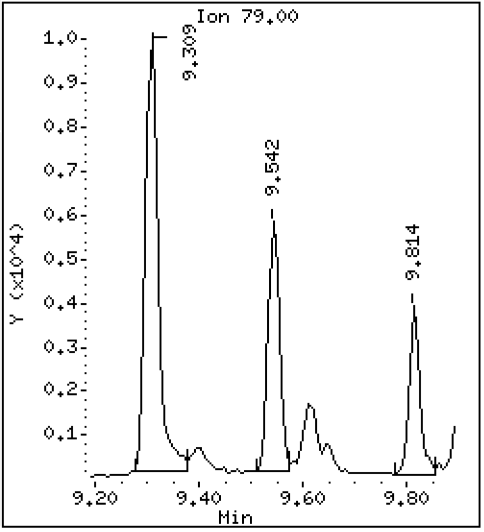

Scan 633 (9.542 min) of NT1423010603.D (Subtracted)


13 2-Methylphenol (Reference Spectrum)


Scan 633 (9.542 min) of NT1423010603.D (% DIFFERENCE)


Ion 108.00


Ion 107.00


Ion 79.00

Data File: \\target\share\chem3\nt14.i\20230106.b\NT1423010603.D

Date : 06-JAN-2023 12:48

Client ID:

Instrument: nt14.i

Sample Info: SLA0068-LCV1

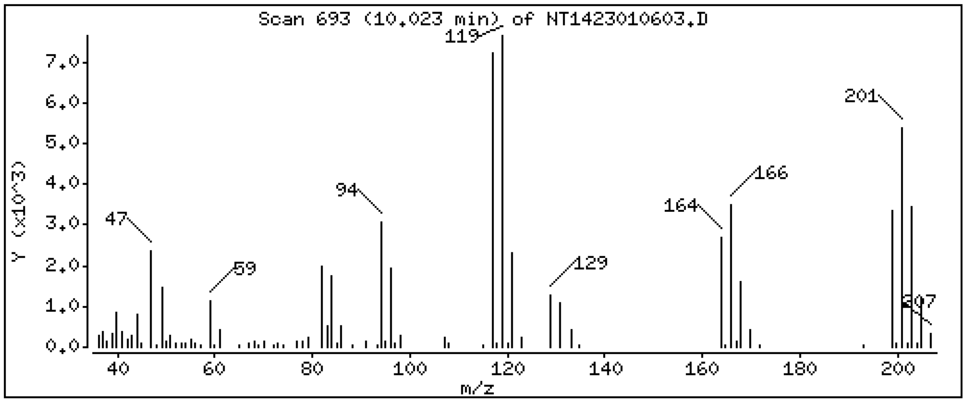
Operator: VTS

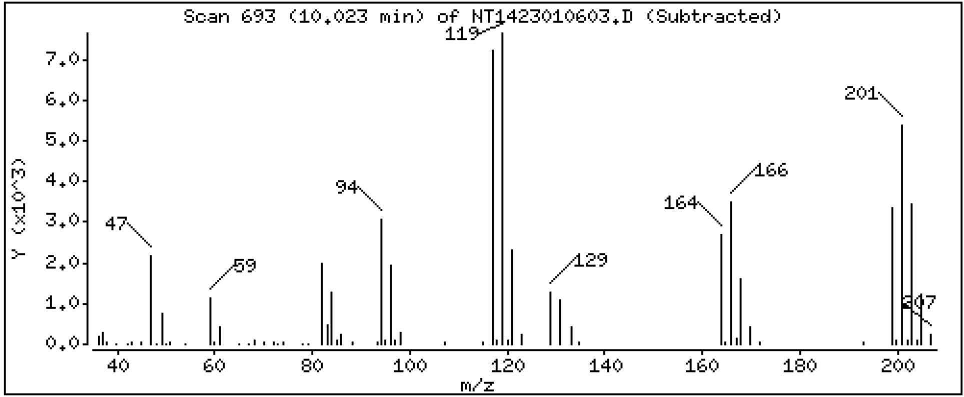
Column phase: ZB-5msi

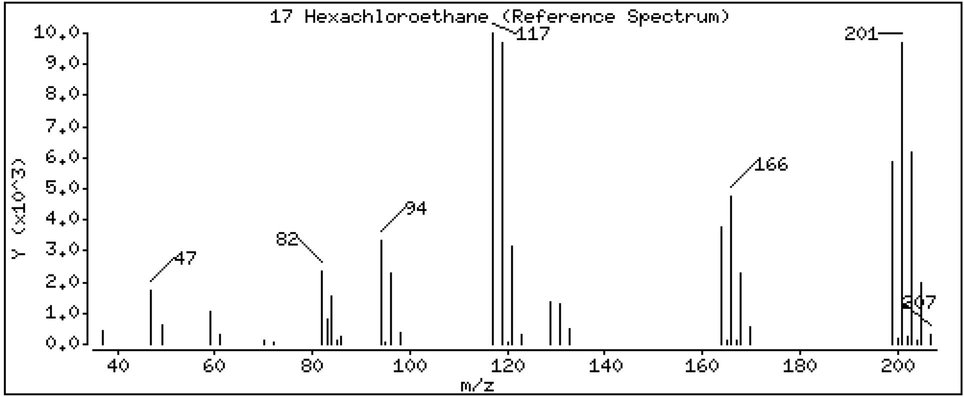
Column diameter: 0.25

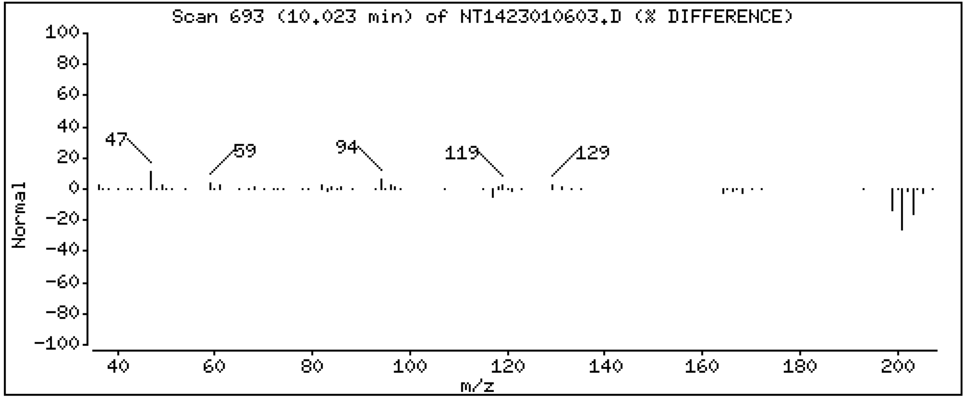
17 Hexachloroethane

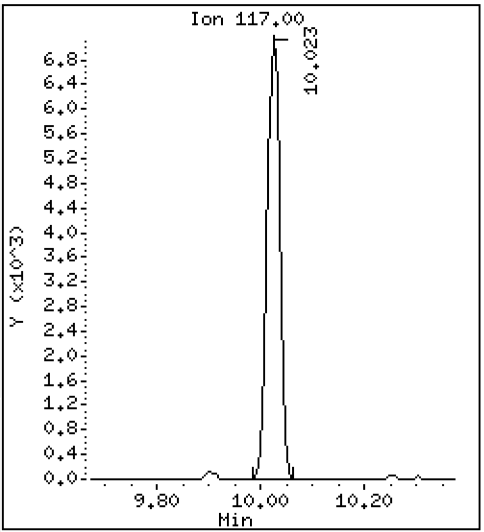
Concentration: 0.5235 ug/mL

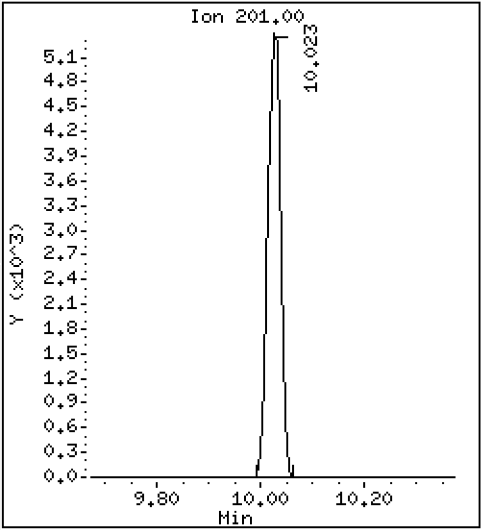


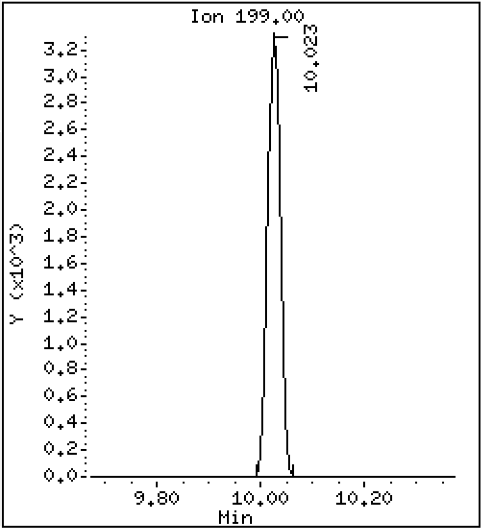












Data File: \\target\share\chem3\nt14.i\20230106.b\NT1423010603.D

Date : 06-JAN-2023 12:48

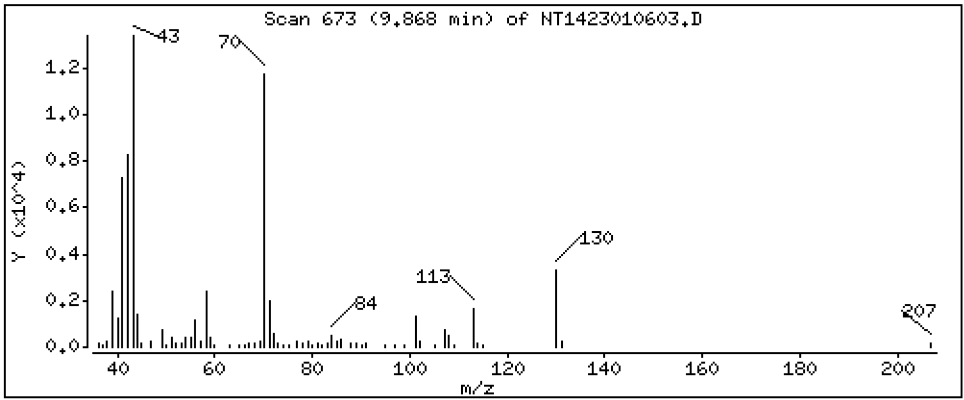
Client ID: Instrument: nt14.i

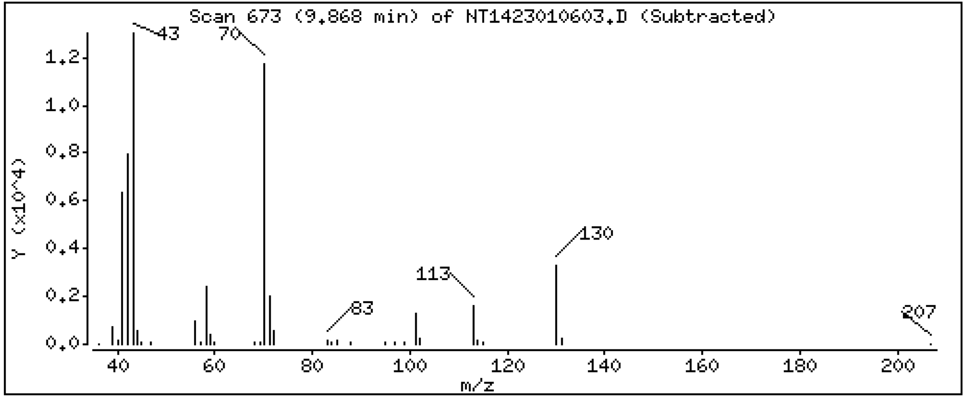
Sample Info: SLA0068-LCV1

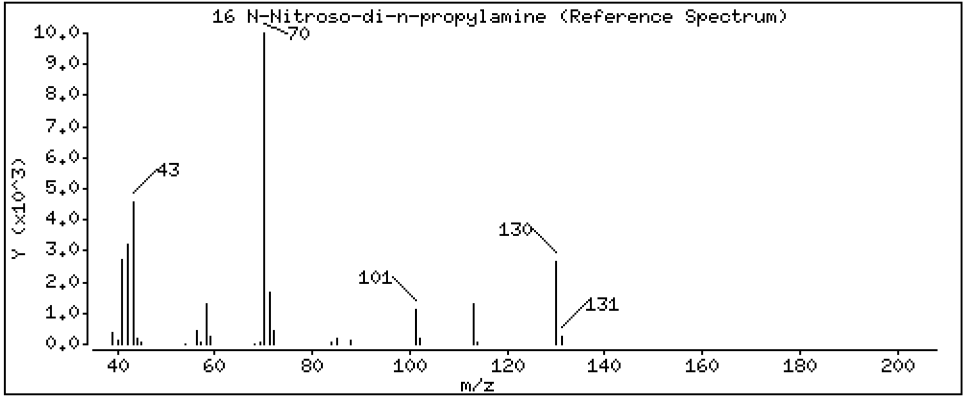
Operator: VTS

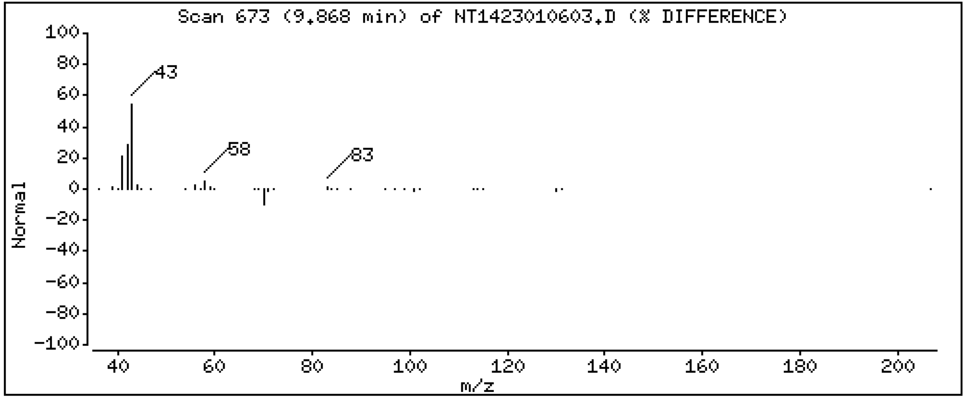
Column phase: ZB-5msi Column diameter: 0.25

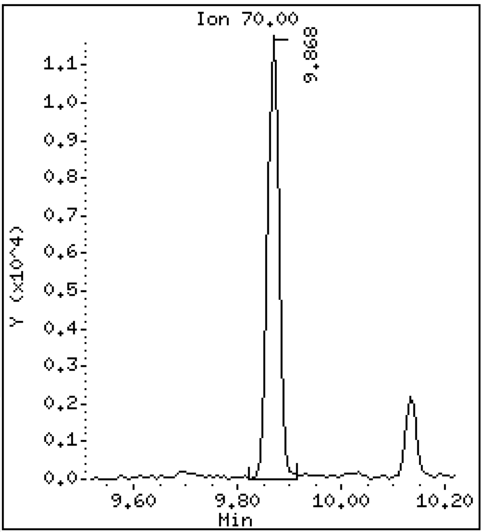
16 N-Nitroso-di-n-propylamine Concentration: 0.5254 ug/mL

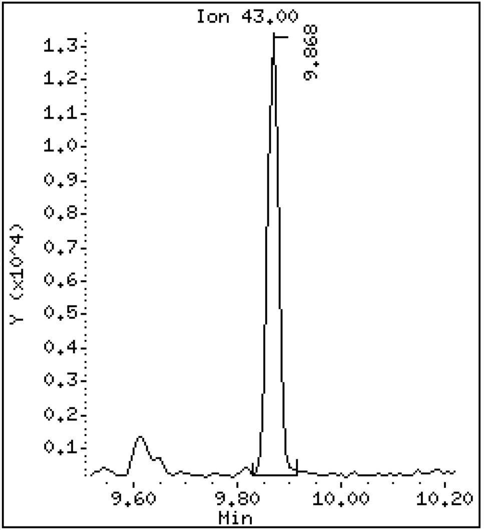

Scan 673 (9.868 min) of NT1423010603.D

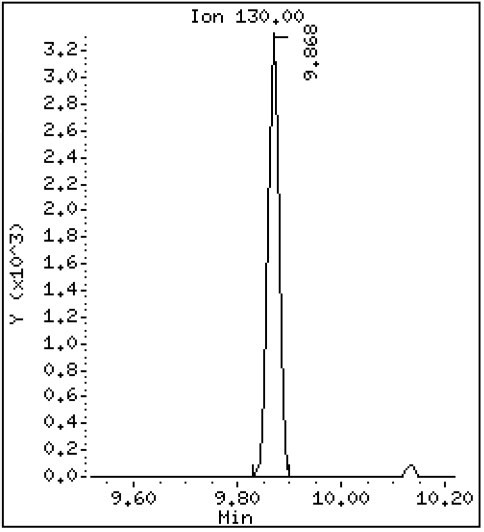

Scan 673 (9.868 min) of NT1423010603.D (Subtracted)


16 N-Nitroso-di-n-propylamine (Reference Spectrum)


Scan 673 (9.868 min) of NT1423010603.D (% DIFFERENCE)


Ion 70.00


Ion 43.00


Ion 130.00

Data File: \\target\share\chem3\nt14.i\20230106.b\NT1423010603.D

Date : 06-JAN-2023 12:48

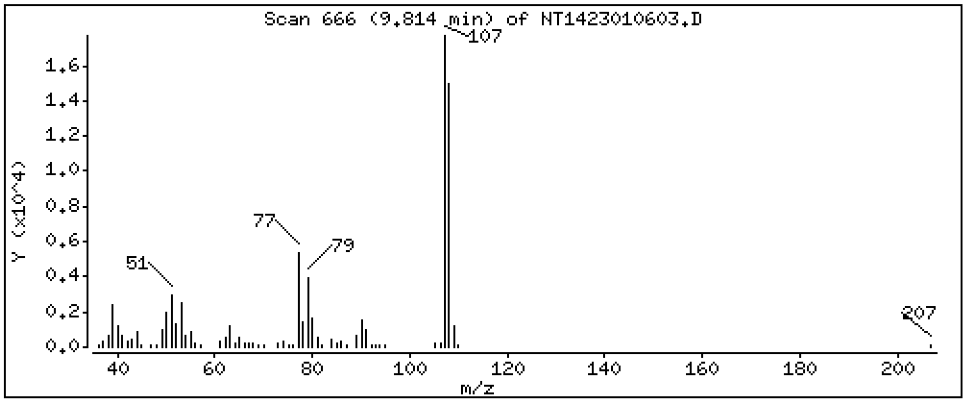
Client ID: Instrument: nt14.i

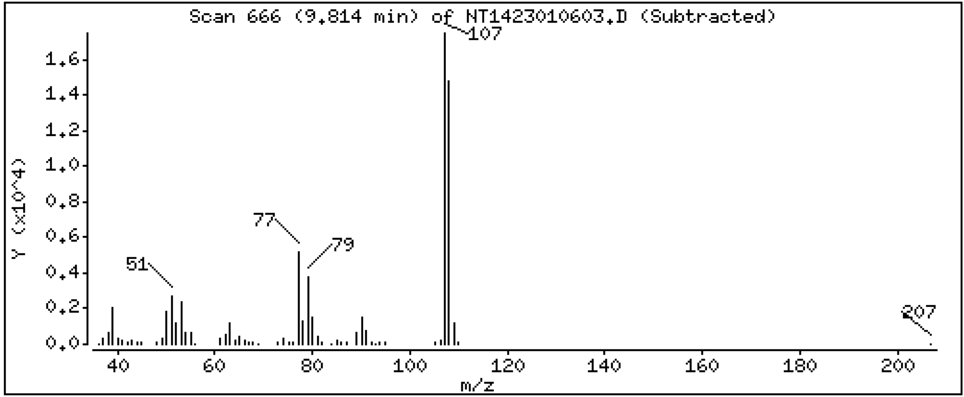
Sample Info: SLA0068-LCV1

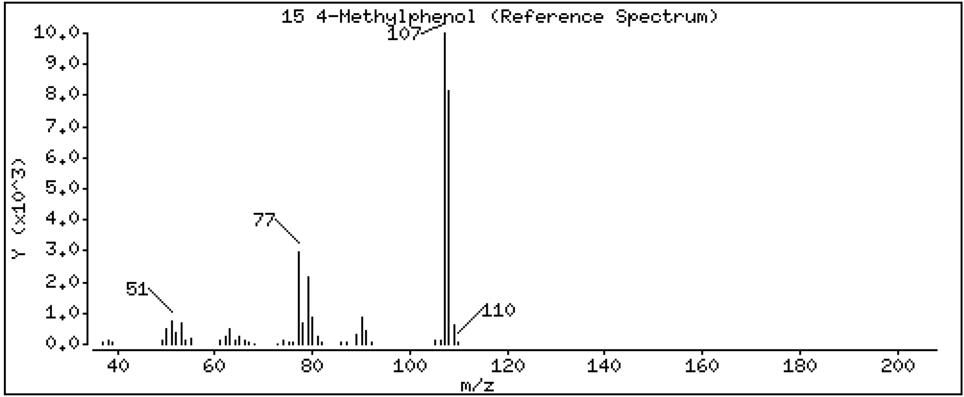
Operator: VTS

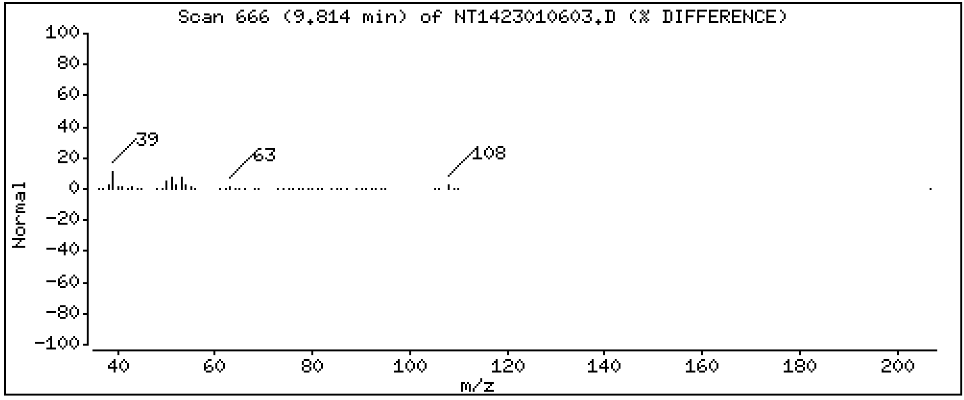
Column phase: ZB-5msi Column diameter: 0.25

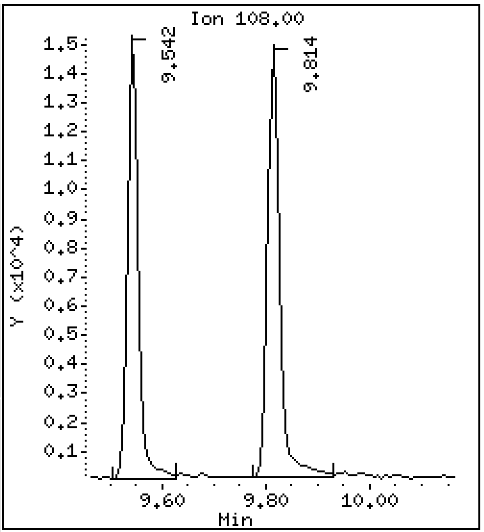
15 4-Methylphenol Concentration: 0.4019 ug/mL

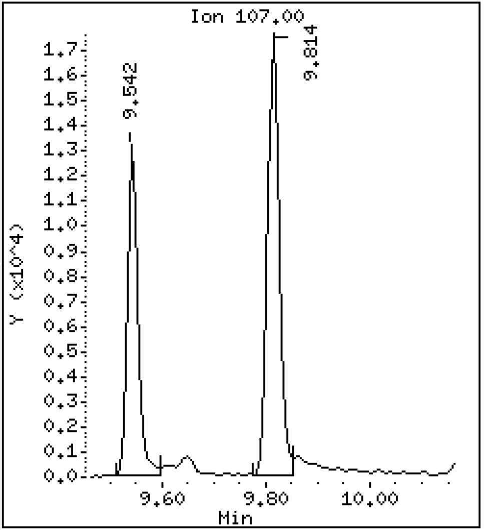


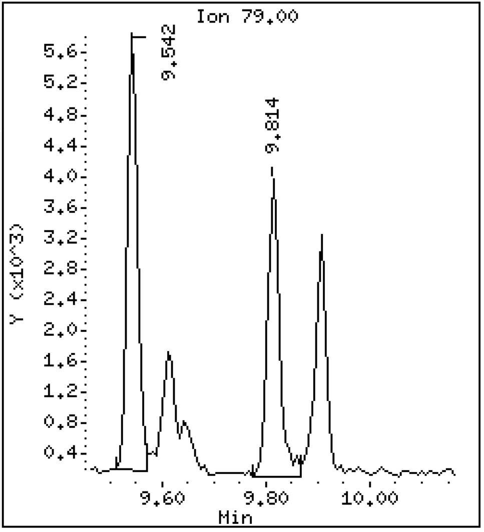












Date : 06-JAN-2023 12:48

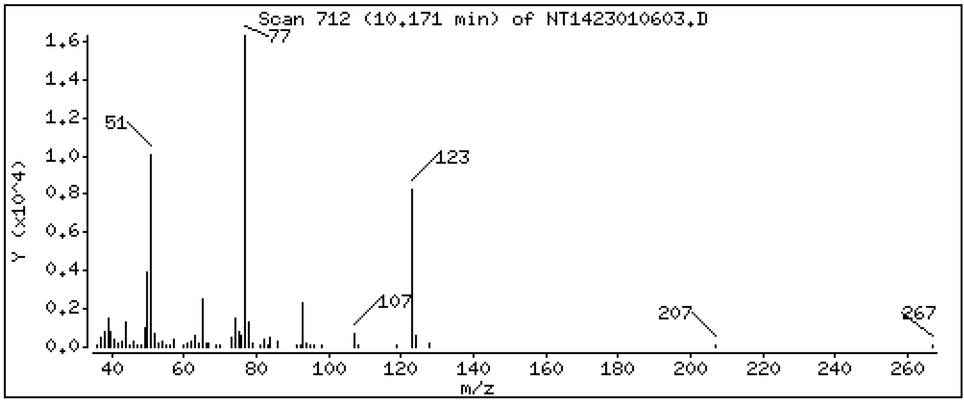
Client ID: Instrument: nt14.i

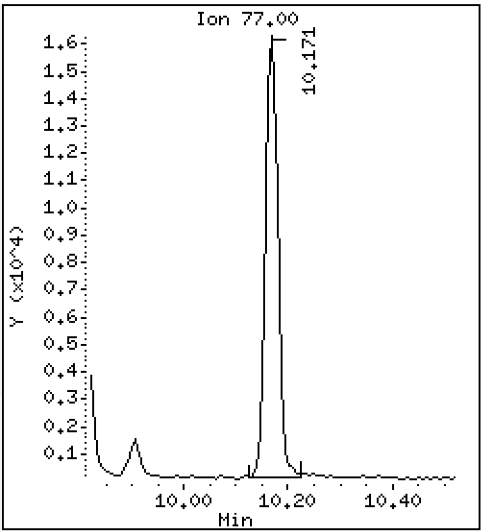
Sample Info: SLA0068-LCV1

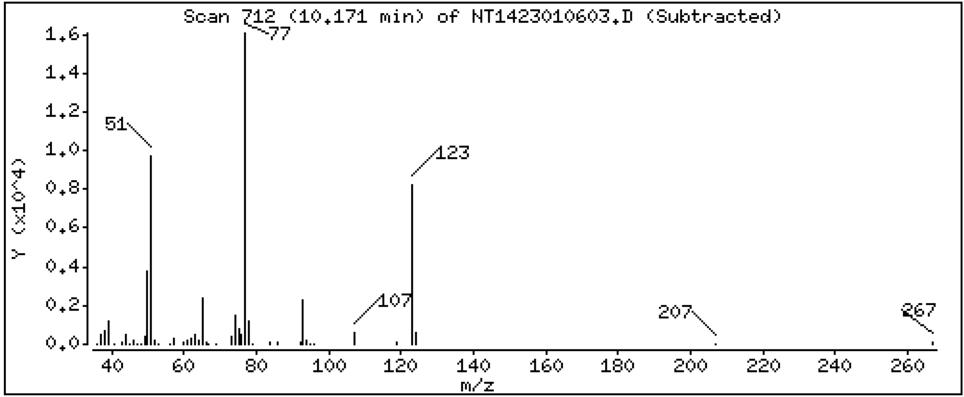
Operator: VTS

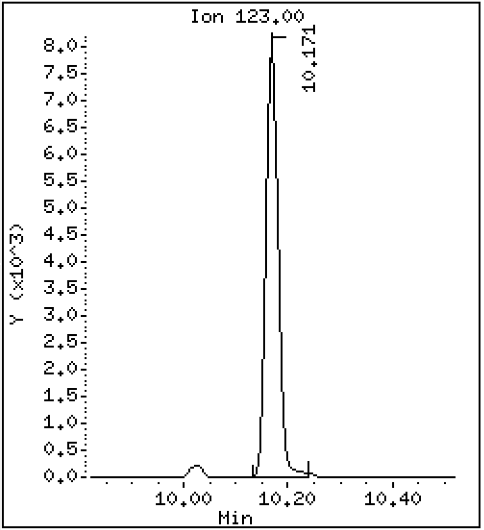
Column phase: ZB-5msi Column diameter: 0.25

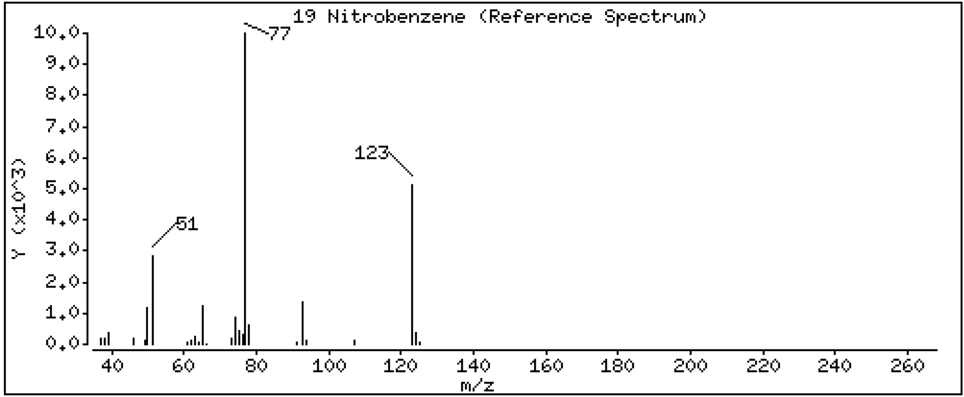
19 Nitrobenzene Concentration: 0.4876 ug/mL

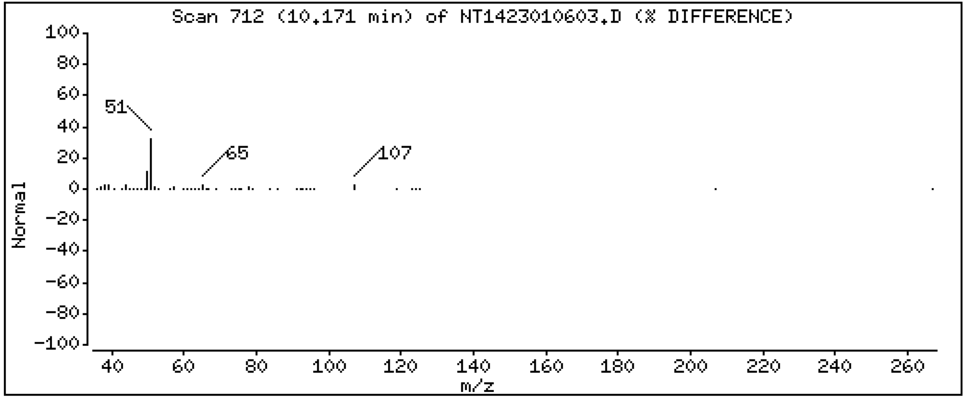


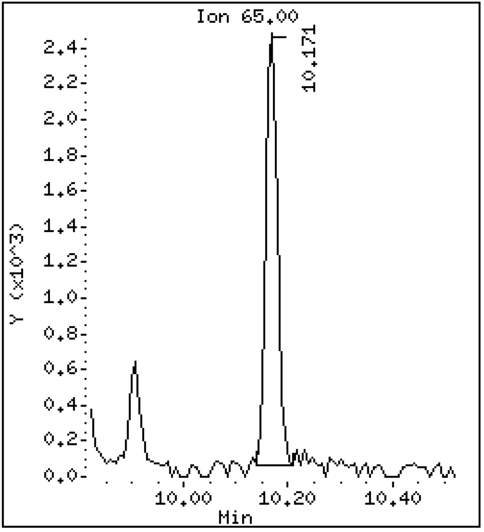












Data File: \\target\share\chem3\nt14.i\20230106.b\NT1423010603.D

Date : 06-JAN-2023 12:48

Client ID:

Instrument: nt14.i

Sample Info: SLA0068-LCV1

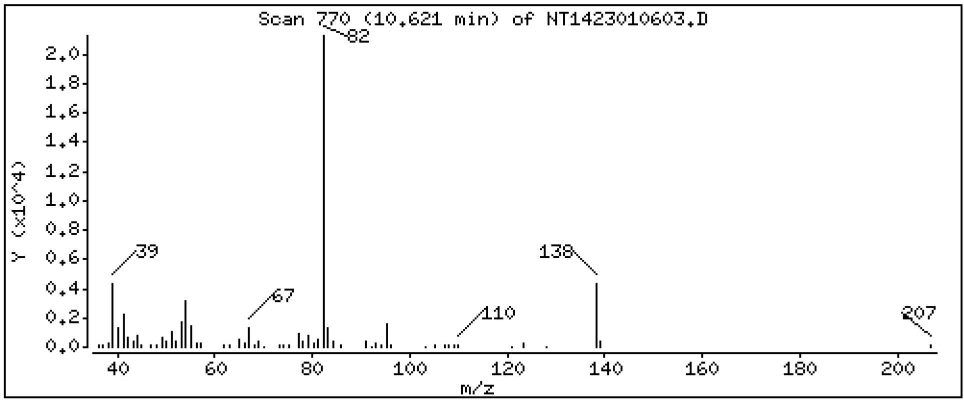
Operator: VTS

Column phase: ZB-5msi

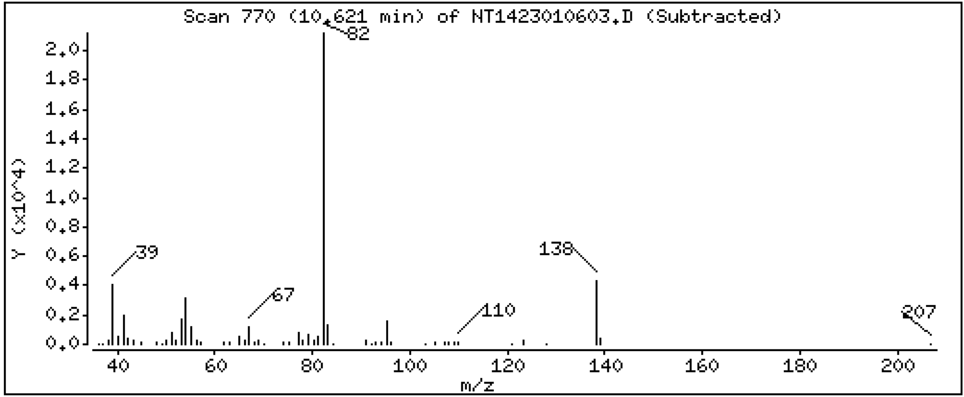
Column diameter: 0.25

20 Isophorone

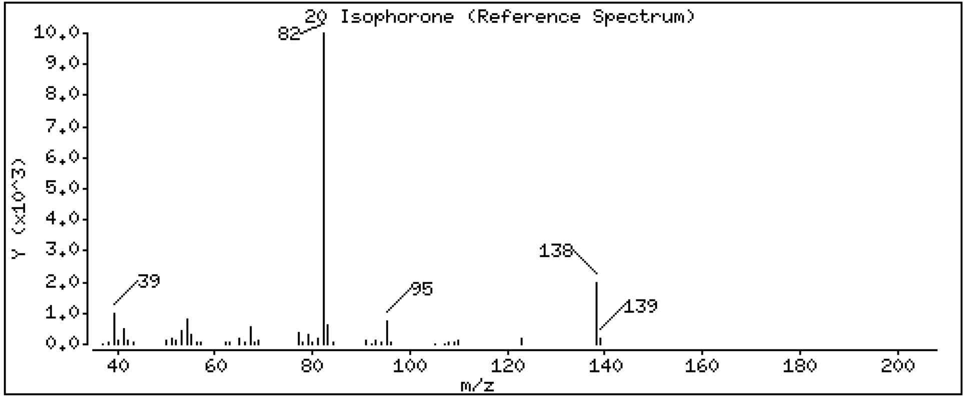
Concentration: 0.4725 ug/mL



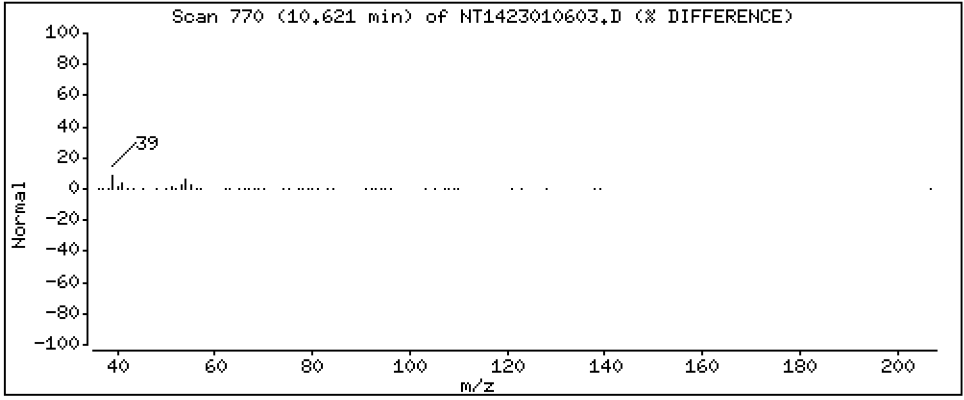
Scan 770 (10.621 min) of NT1423010603.D



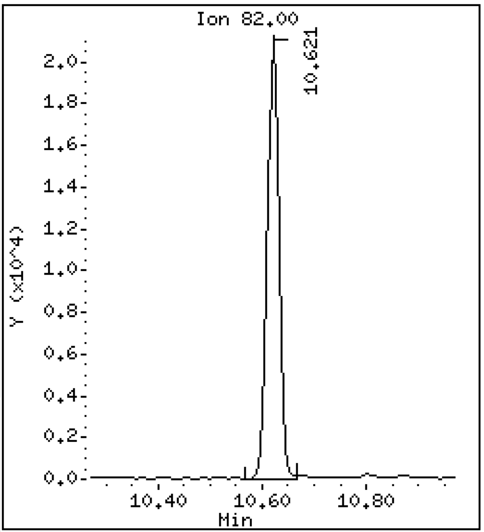
Scan 770 (10.621 min) of NT1423010603.D (Subtracted)



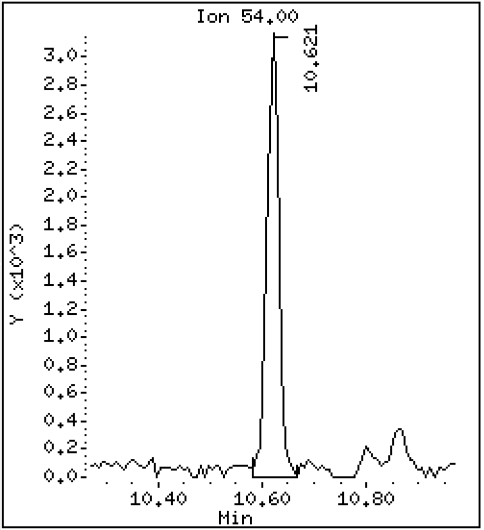
20 Isophorone (Reference Spectrum)



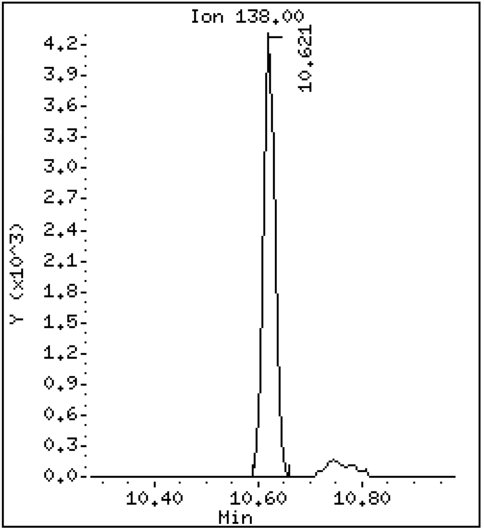
Scan 770 (10.621 min) of NT1423010603.D (% DIFFERENCE)



Ion 82.00



Ion 54.00



Ion 138.00

Data File: \\target\share\chem3\nt14.i\20230106.b\NT1423010603.D

Date : 06-JAN-2023 12:48

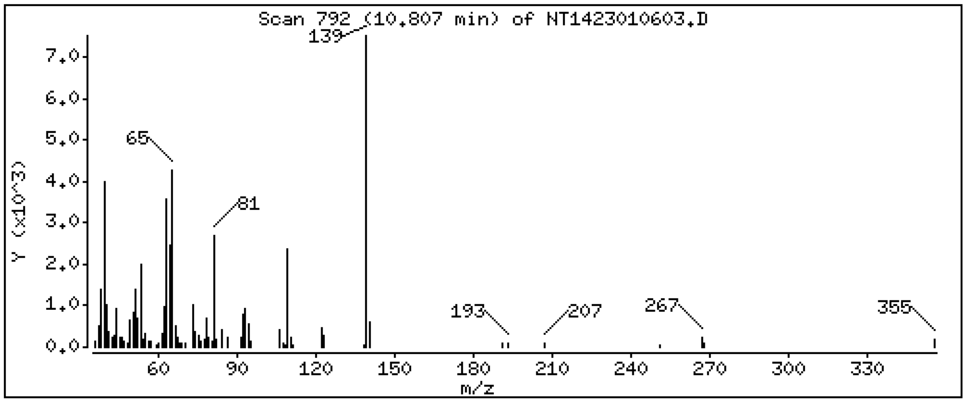
Client ID: Instrument: nt14.i

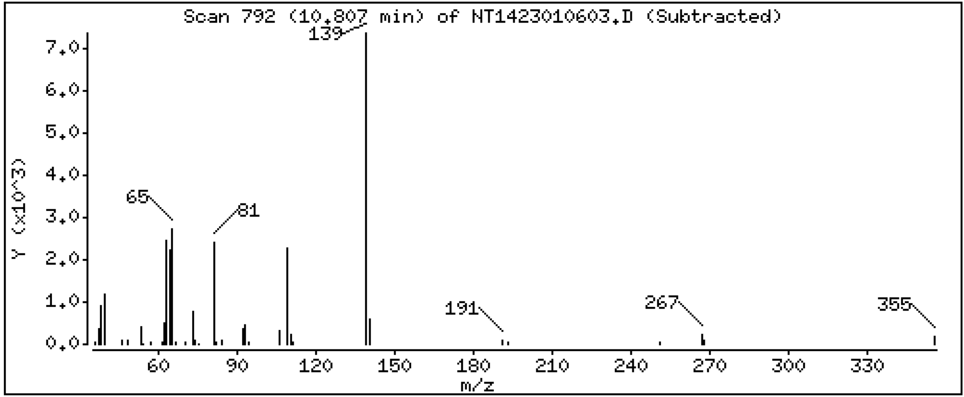
Sample Info: SLA0068-LCV1

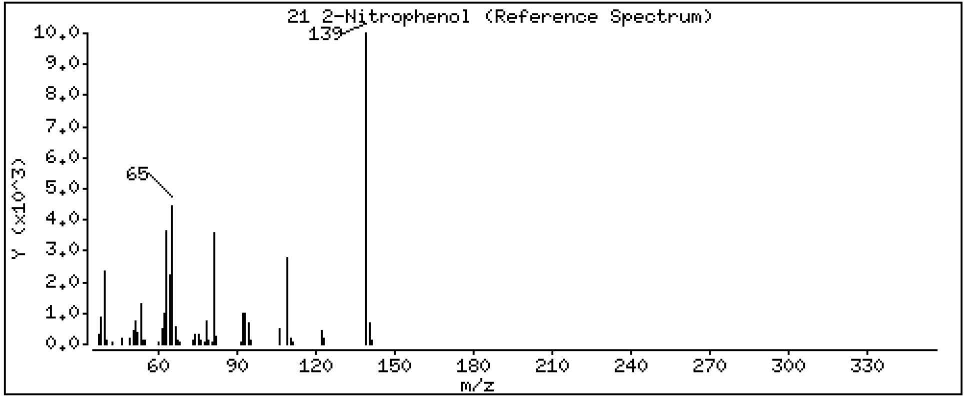
Operator: VTS

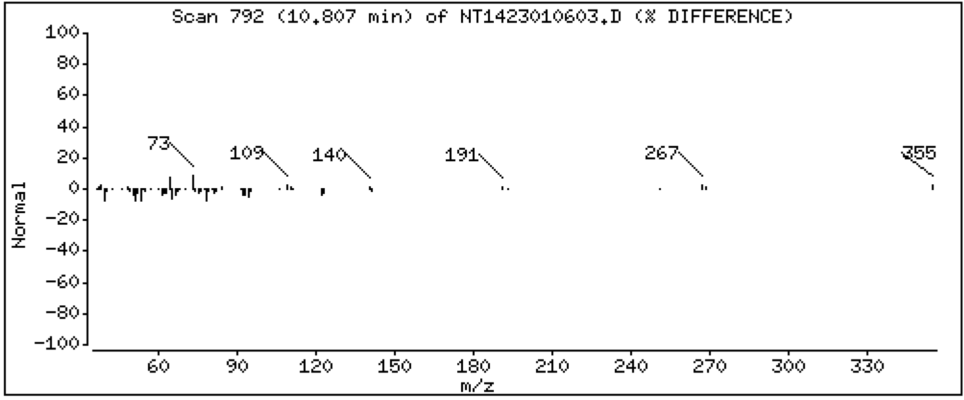
Column phase: ZB-5msi Column diameter: 0.25

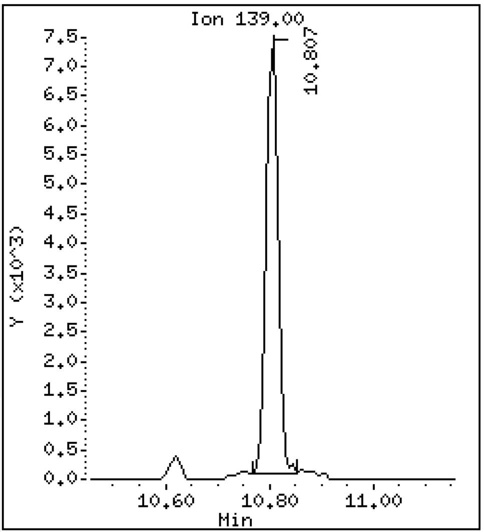
21 2-Nitrophenol Concentration: 0.3523 ug/mL


Scan 792 (10.807 min) of NT1423010603.D


Scan 792 (10.807 min) of NT1423010603.D (Subtracted)


21 2-Nitrophenol (Reference Spectrum)


Scan 792 (10.807 min) of NT1423010603.D (% DIFFERENCE)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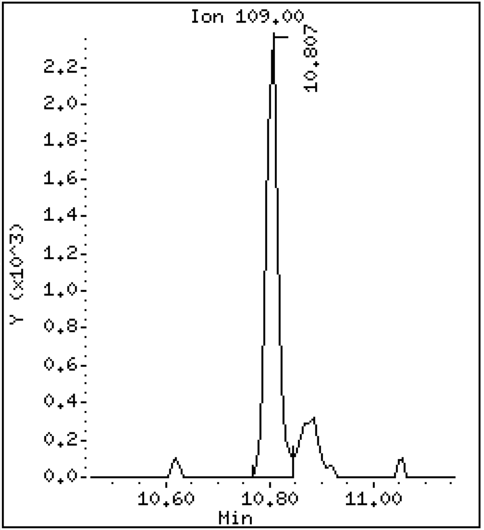
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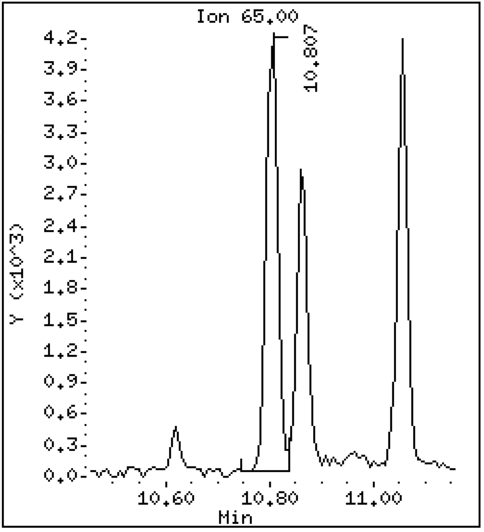

Ion 65.00

Data File: \\target\share\chem3\nt14.i\20230106.b\NT1423010603.D

Date : 06-JAN-2023 12:48

Client ID:

Instrument: nt14.i

Sample Info: SLA0068-LCV1

Operator: VTS

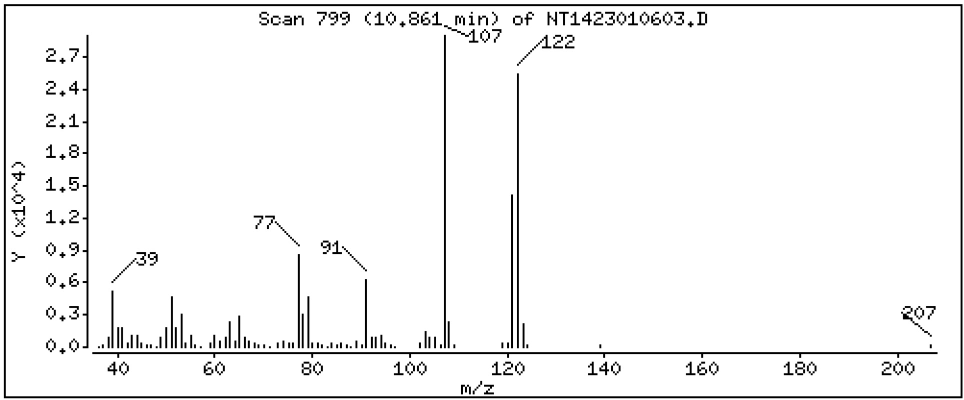
Column phase: ZB-5msi

Column diameter: 0.25

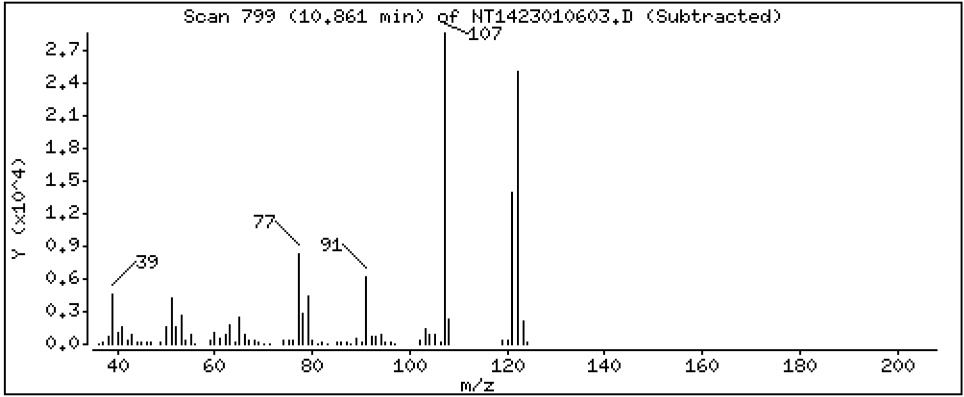
22 2,4-Dimethylphenol

Concentration: 0.7958 ug/mL

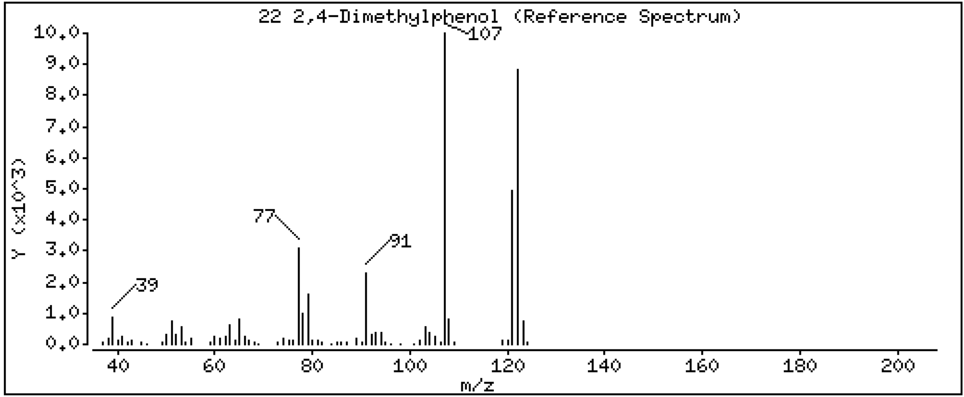
Scan 799 (10.861 min) of NT1423010603.D



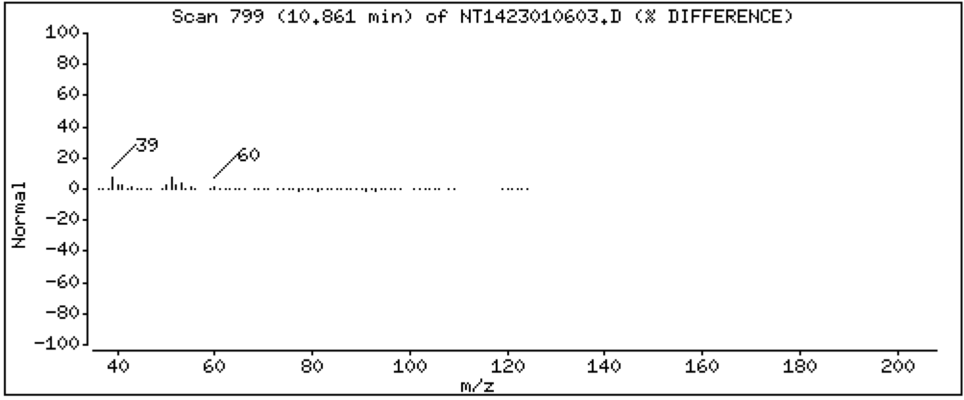
Scan 799 (10.861 min) of NT1423010603.D (Subtracted)



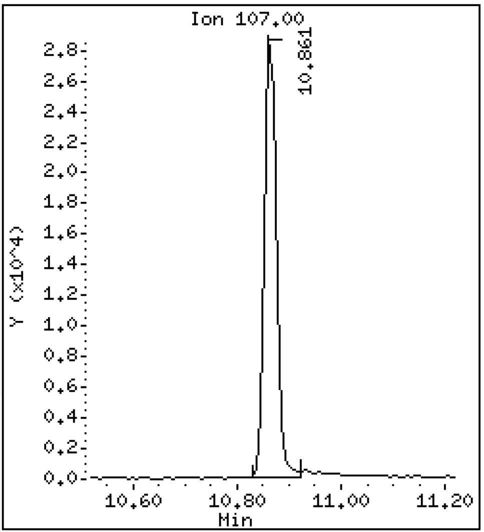
22 2,4-Dimethylphenol (Reference Spectrum)



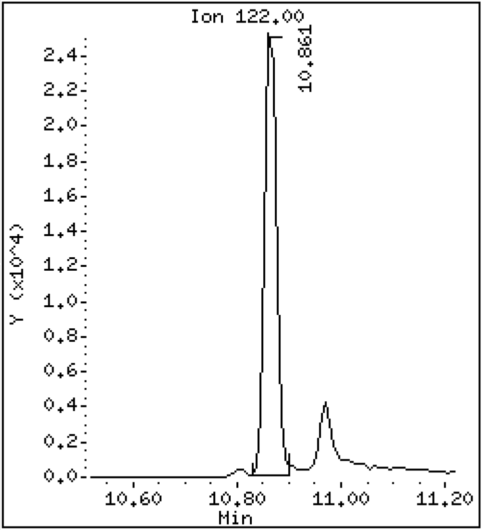
Scan 799 (10.861 min) of NT1423010603.D (% DIFFERENCE)



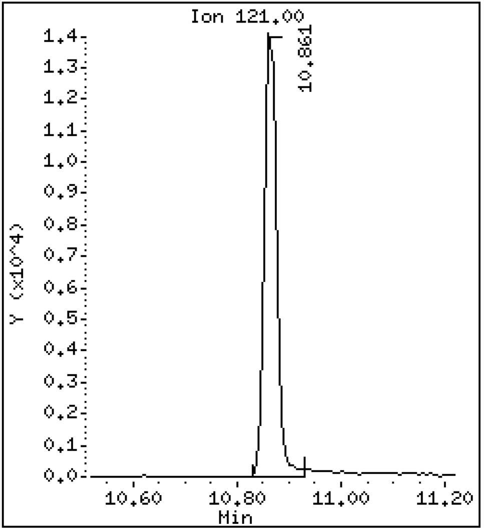
Ion 107.00



Ion 122.00



Ion 121.00



Data File: \\target\share\chem3\nt14.i\20230106.b\NT1423010603.D

Date : 06-JAN-2023 12:48

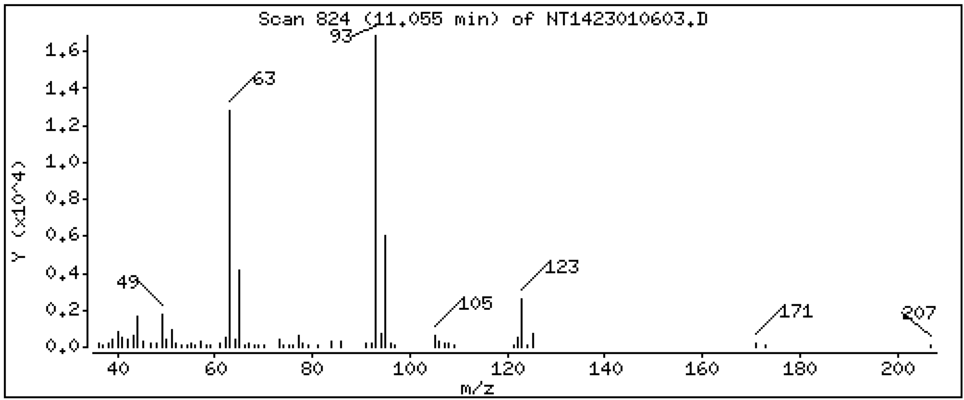
Client ID: Instrument: nt14.i

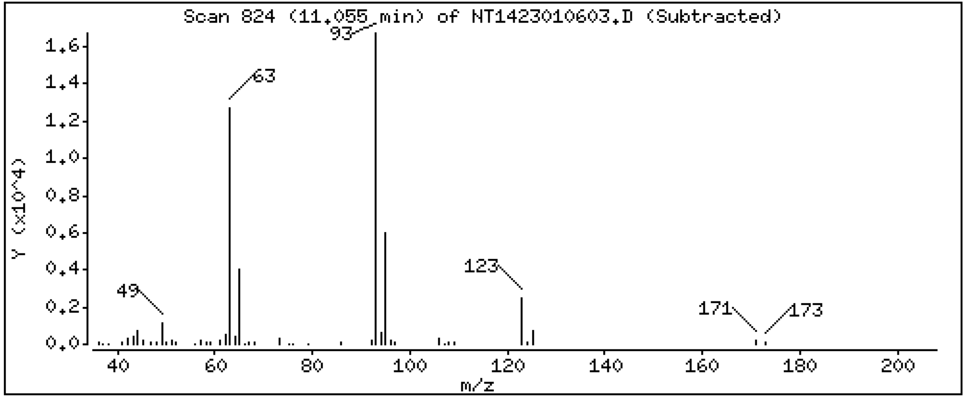
Sample Info: SLA0068-LCV1

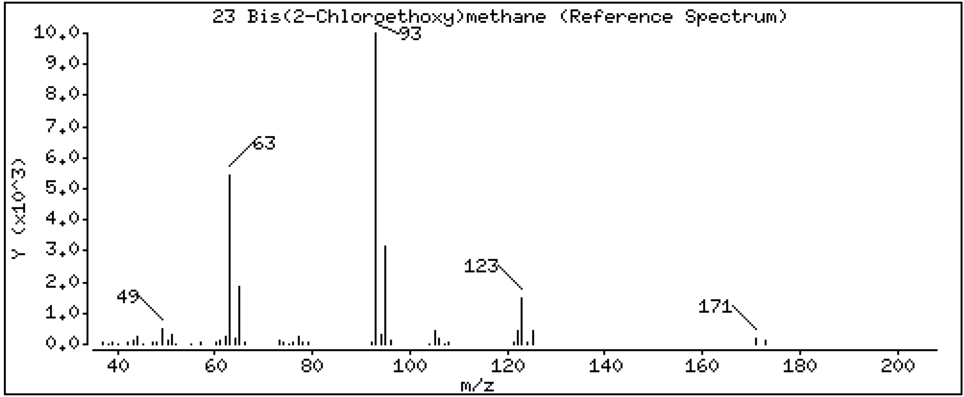
Operator: VTS

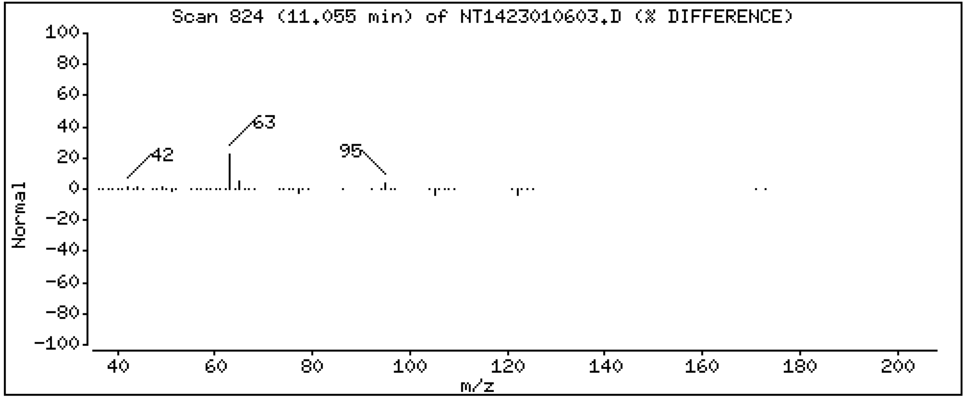
Column phase: ZB-5msi Column diameter: 0.25

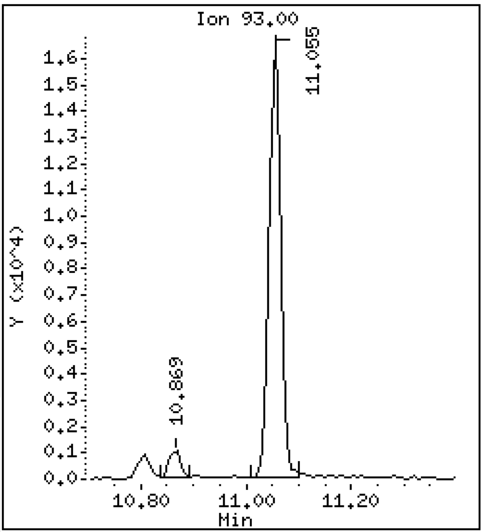
23 Bis(2-Chloroethoxy)methane Concentration: 0.4713 ug/mL


Scan 824 (11.055 min) of NT1423010603.D


Scan 824 (11.055 min) of NT1423010603.D (Subtracted)


23 Bis(2-Chloroethoxy)methane (Reference Spectrum)


Scan 824 (11.055 min) of NT1423010603.D (% DIFFERENCE)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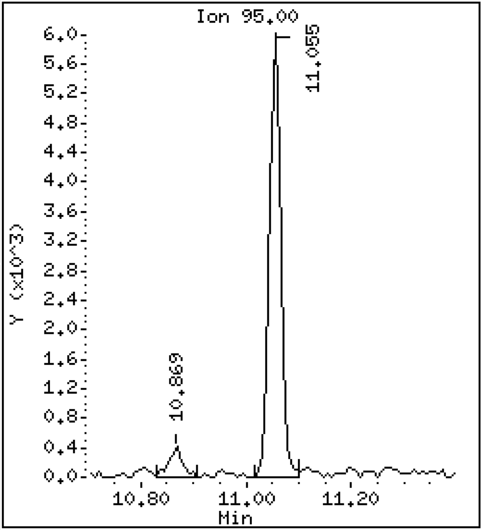
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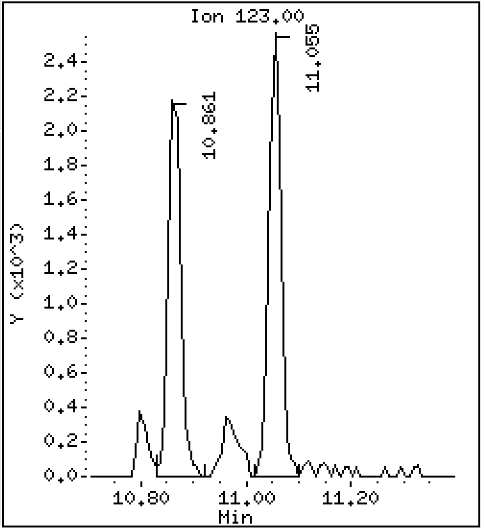

Ion 123.00

Data File: \\target\share\chem3\nt14.i\20230106.b\NT1423010603.D

Date : 06-JAN-2023 12:48

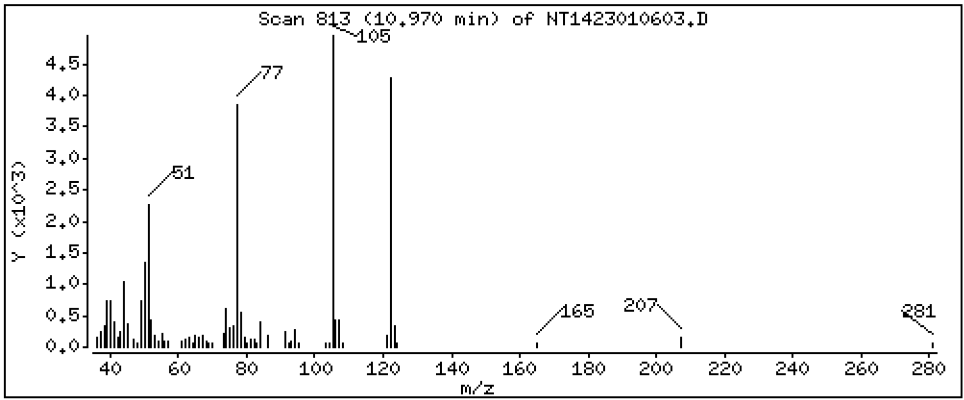
Client ID: Instrument: nt14.i

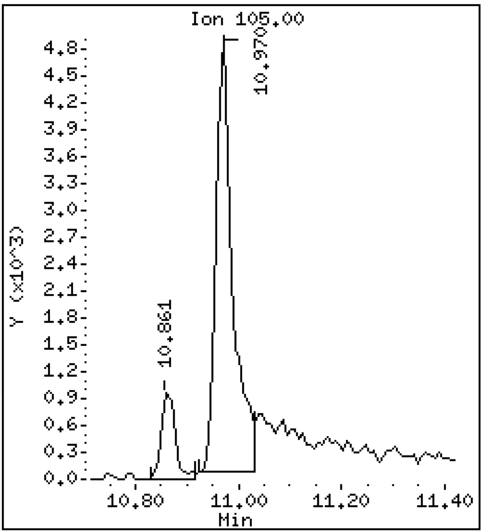
Sample Info: SLA0068-LCV1

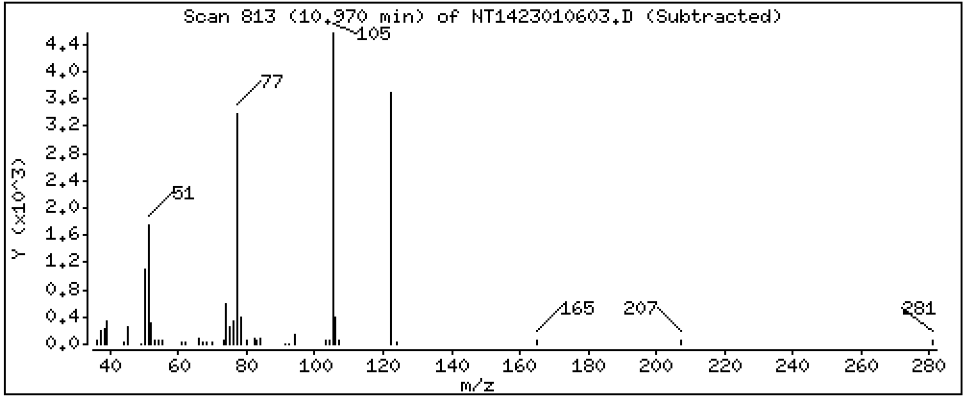
Operator: VTS

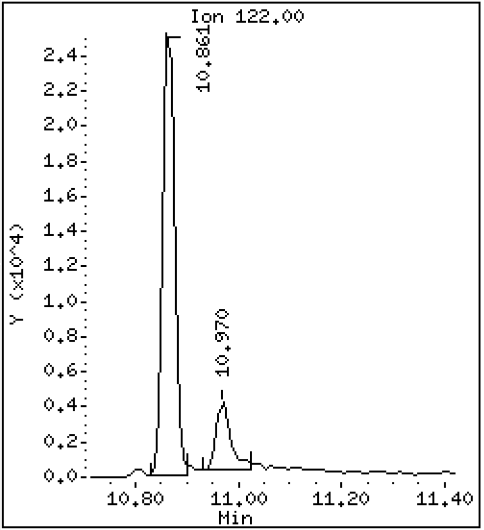
Column phase: ZB-5msi Column diameter: 0.25

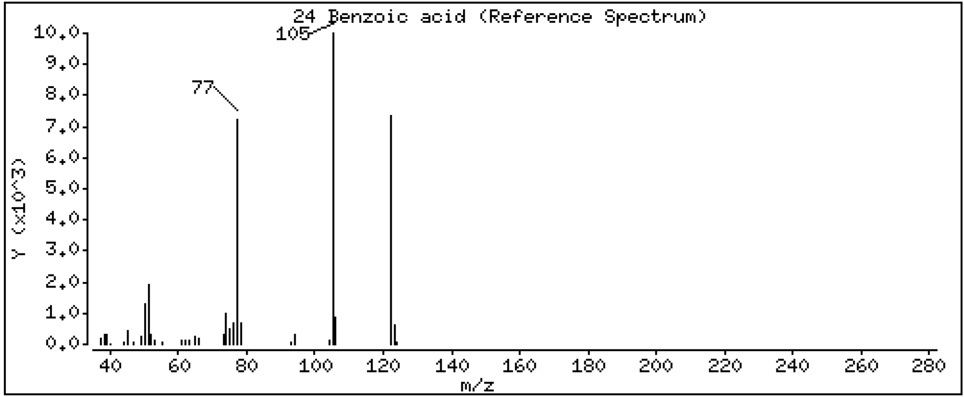
24 Benzoic acid Concentration: 0.3198 ug/mL

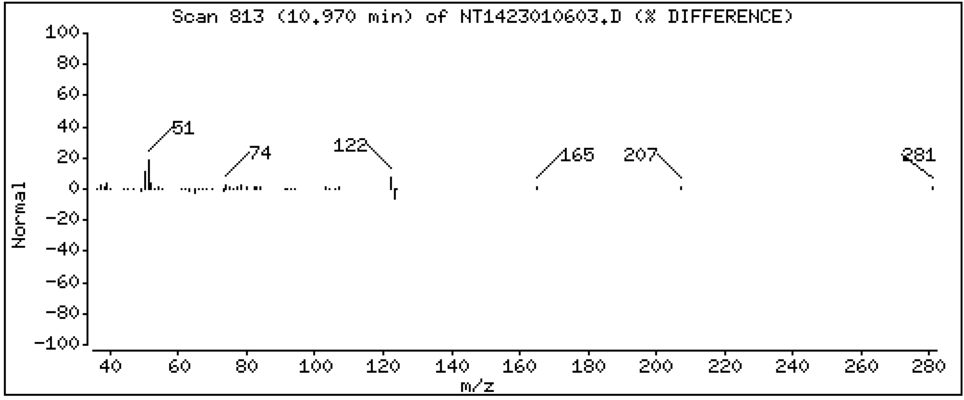


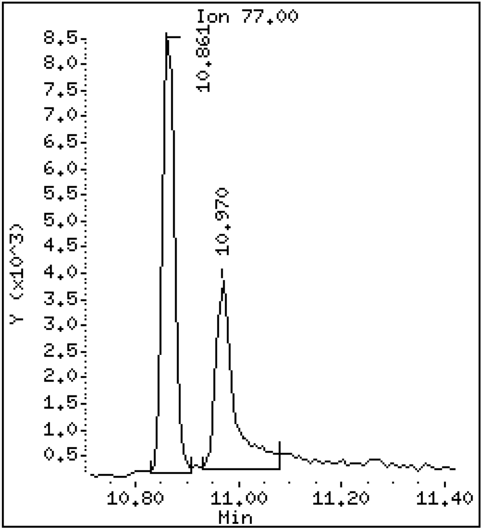












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Date : 06-JAN-2023 12:48

Client ID:

Instrument: nt14.i

Sample Info: SLA0068-LCV1

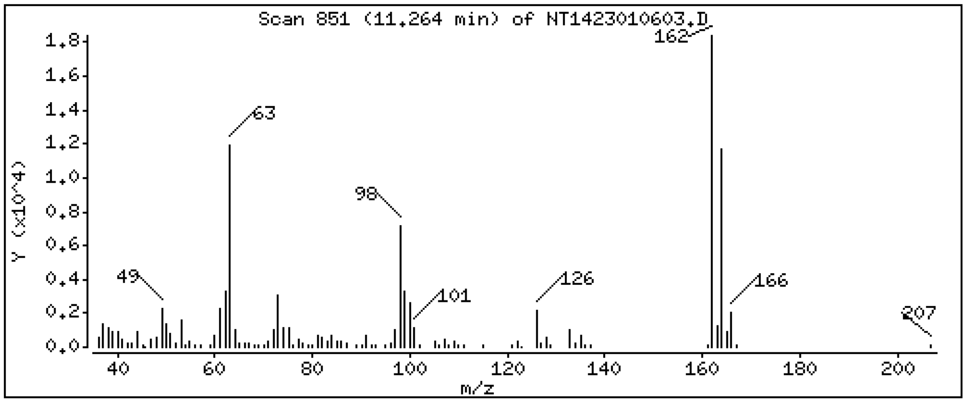
Operator: VTS

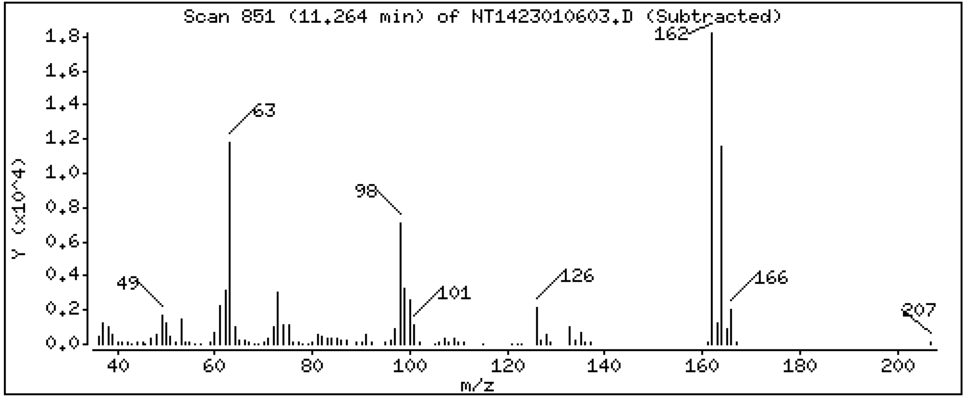
Column phase: ZB-5msi

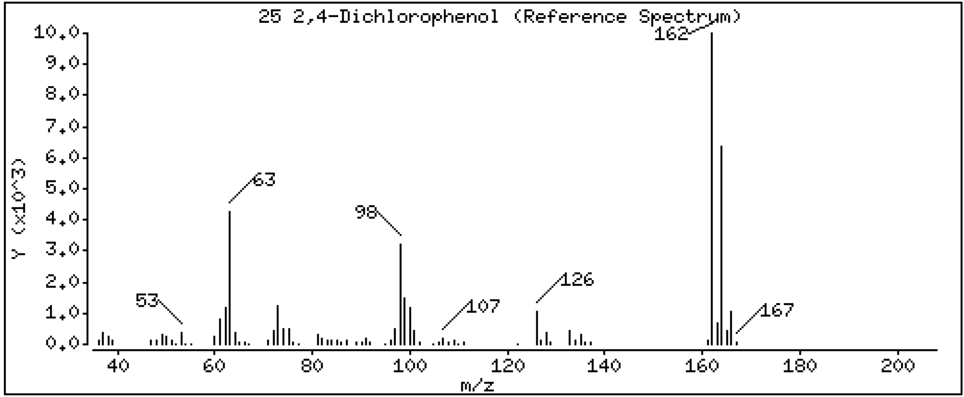
Column diameter: 0.25

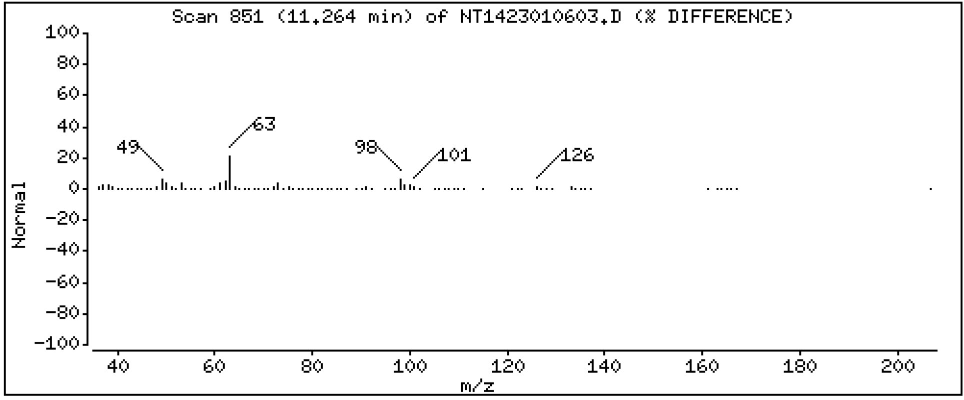
25 2,4-Dichlorophenol

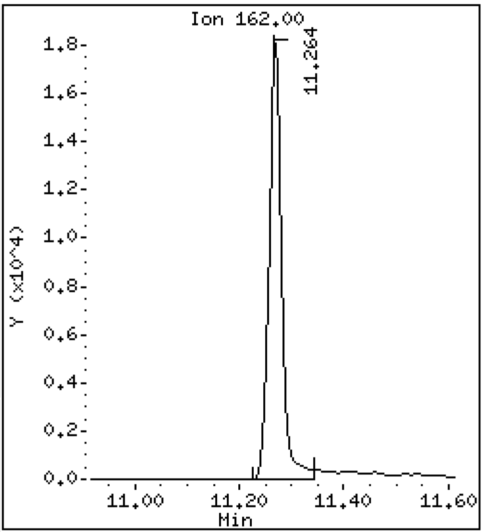
Concentration: 0.6742 ug/mL

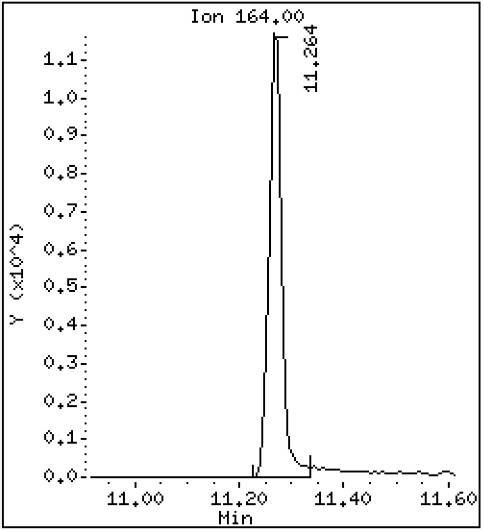


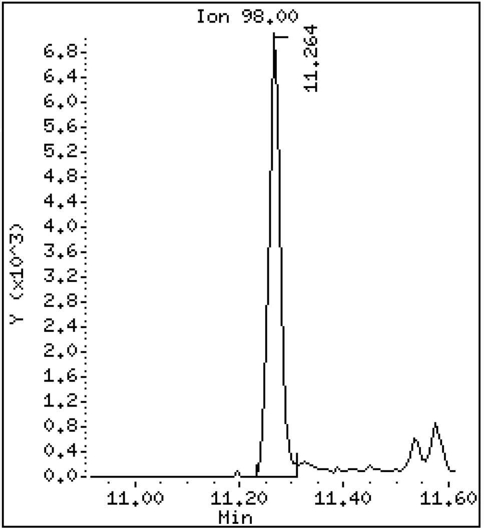












Data File: \\target\share\chem3\nt14.i\20230106.b\NT1423010603.D

Date : 06-JAN-2023 12:48

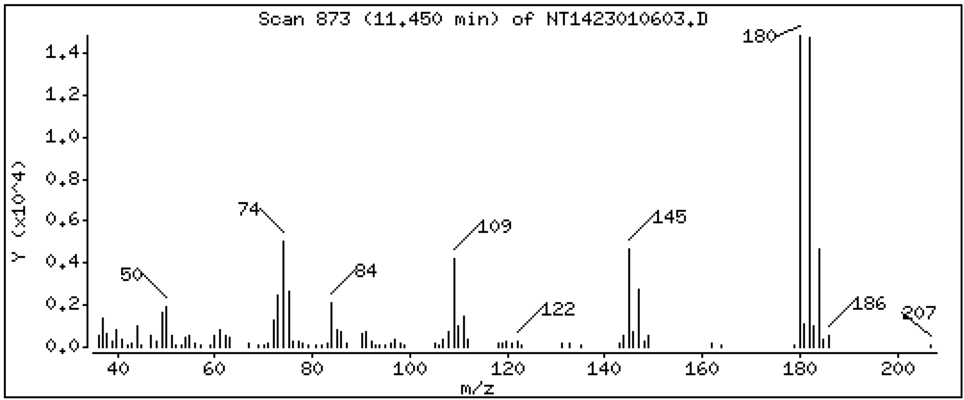
Client ID: Instrument: nt14.i

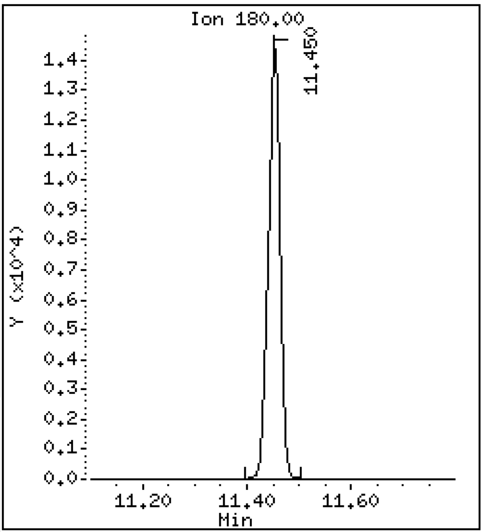
Sample Info: SLA0068-LCV1

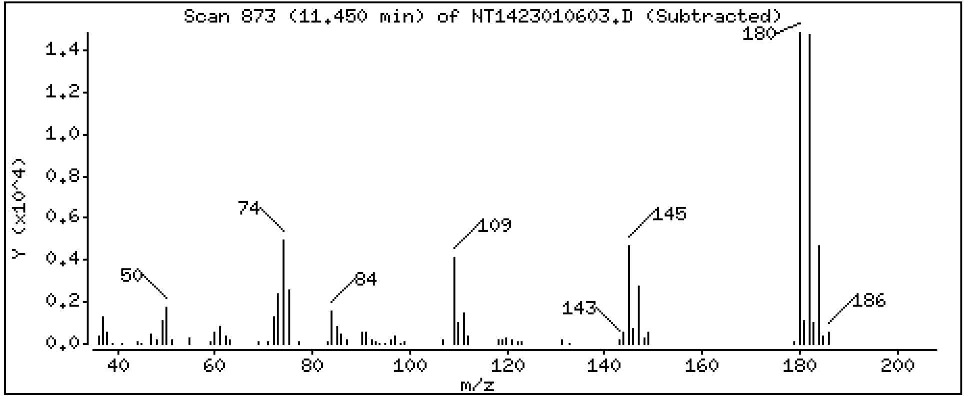
Operator: VTS

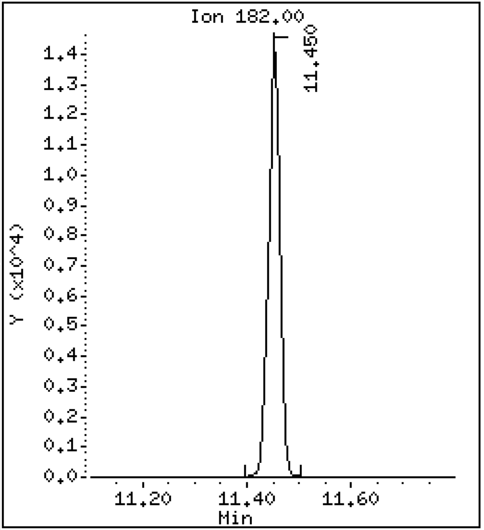
Column phase: ZB-5msi Column diameter: 0.25

26 1,2,4-Trichlorobenzene Concentration: 0.5347 ug/mL


Scan 873 (11.450 min) of NT1423010603.D


Ion 180.00


Scan 873 (11.450 min) of NT1423010603.D (Subtracted)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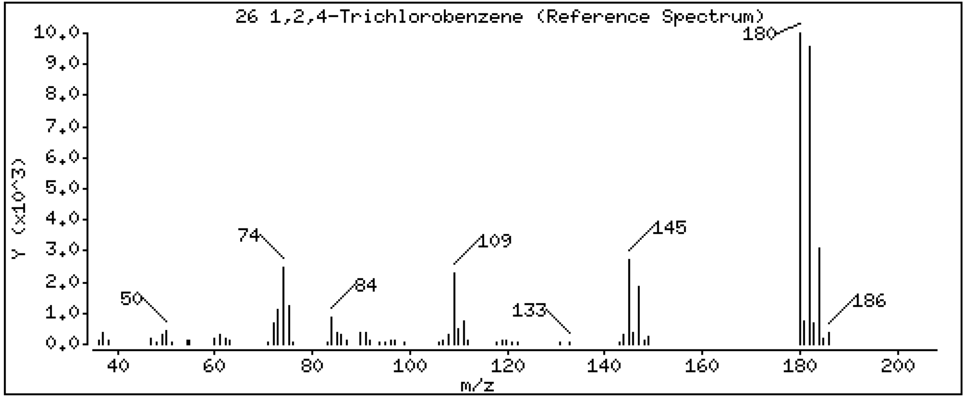
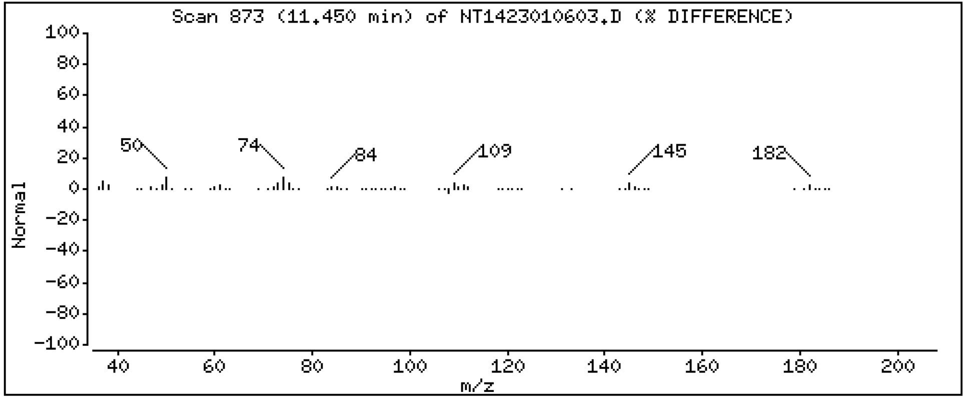
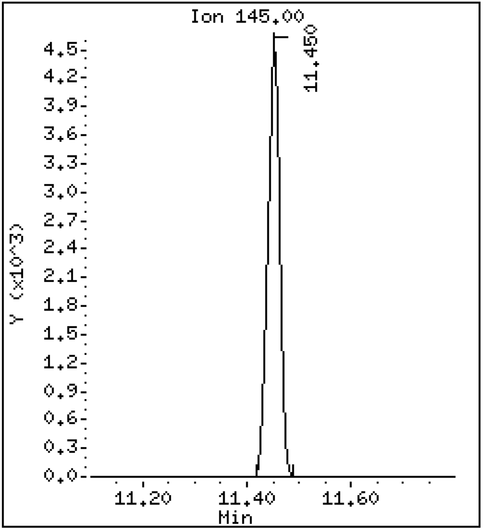

26 1,2,4-Trichlorobenzene (Reference Spectrum)


Scan 873 (11.450 min) of NT1423010603.D (% DIFFERENCE)


Ion 145.00

Data File: \\target\share\chem3\nt14.i\20230106.b\NT1423010603.D

Date : 06-JAN-2023 12:48

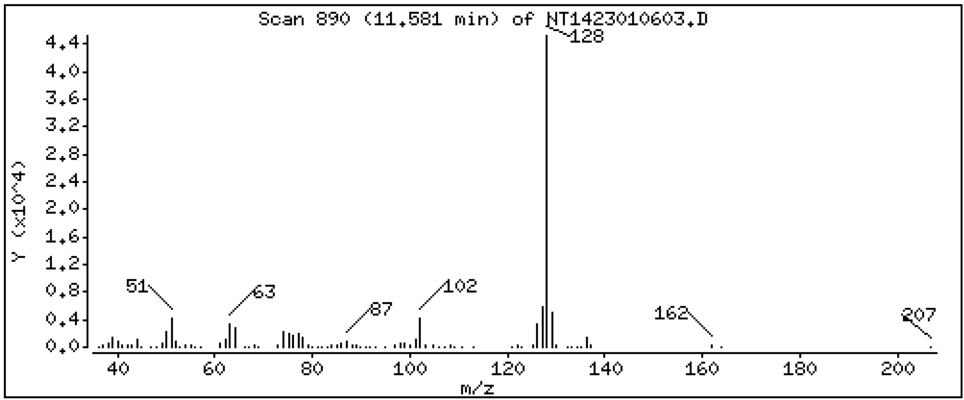
Client ID: Instrument: nt14.i

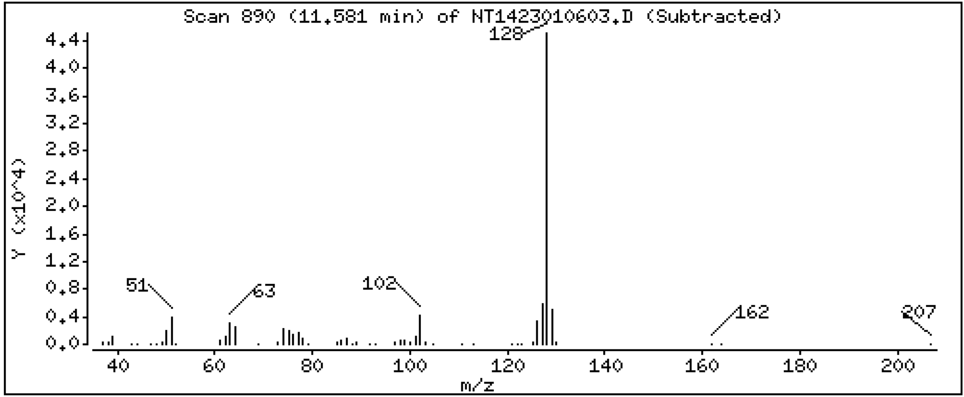
Sample Info: SLA0068-LCV1

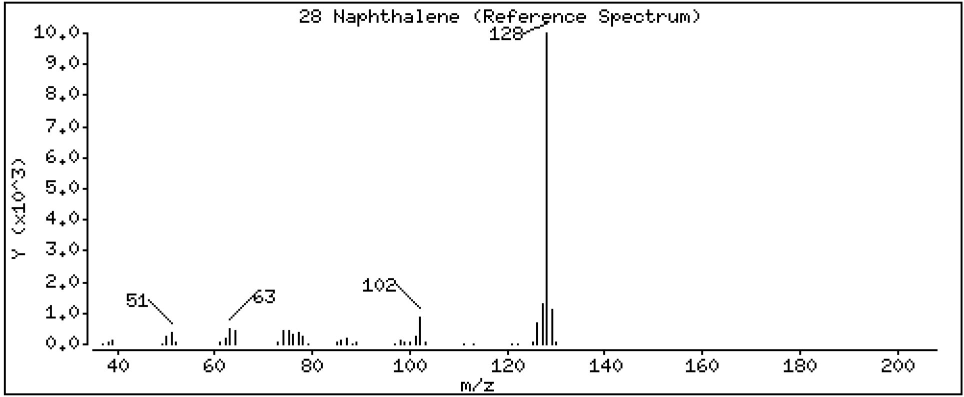
Operator: VTS

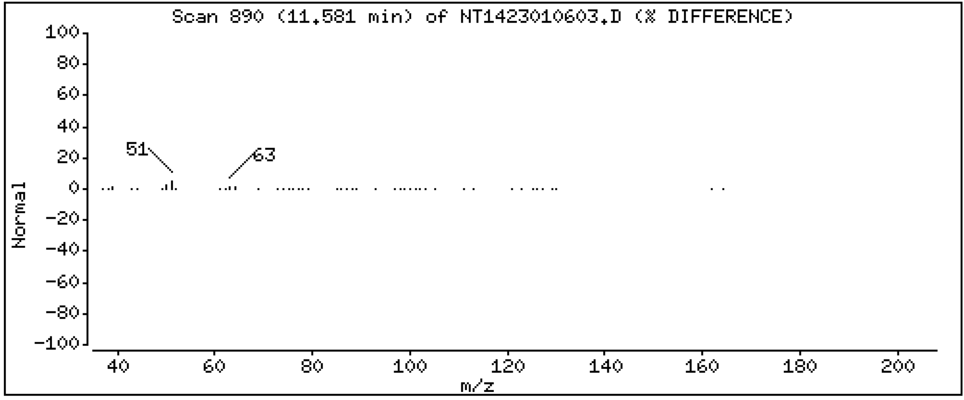
Column phase: ZB-5msi Column diameter: 0.25

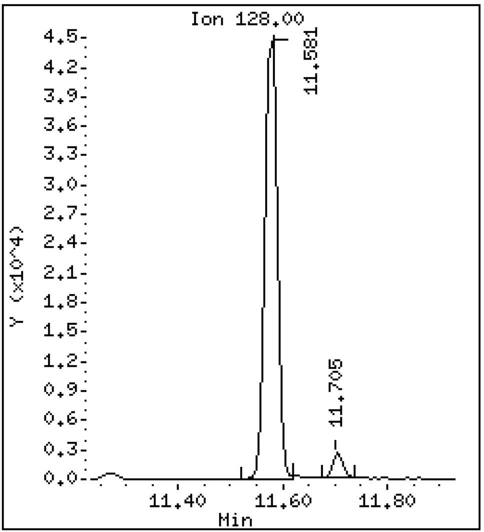
28 Naphthalene Concentration: 0.4609 ug/mL

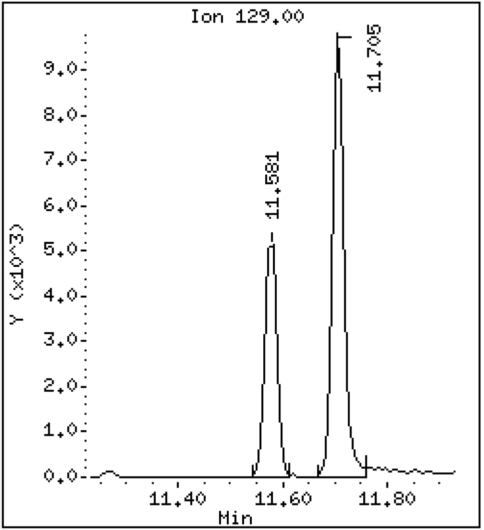

Scan 890 (11.581 min) of NT1423010603.D

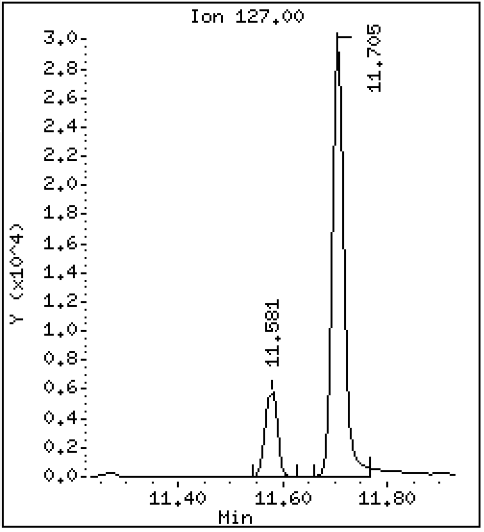

Scan 890 (11.581 min) of NT1423010603.D (Subtracted)


28 Naphthalene (Reference Spectrum)


Scan 890 (11.581 min) of NT1423010603.D (% DIFFERENCE)


Ion 128.00


Ion 129.00


Ion 127.00

Data File: \\target\share\chem3\nt14.i\20230106.b\NT1423010603.D

Date : 06-JAN-2023 12:48

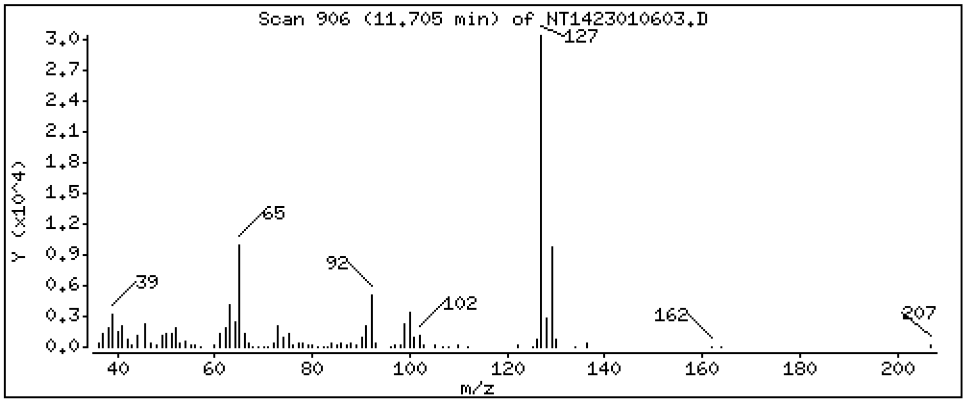
Client ID: Instrument: nt14.i

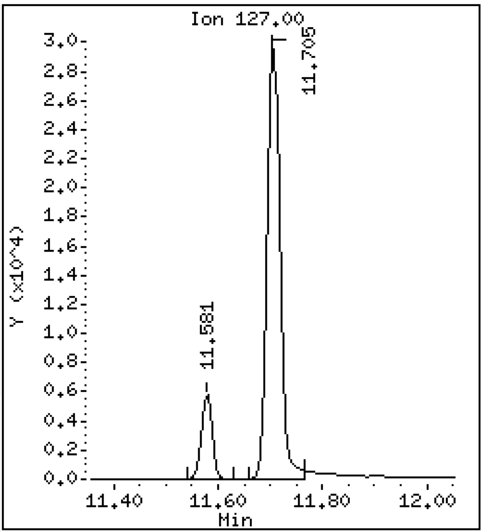
Sample Info: SLA0068-LCV1

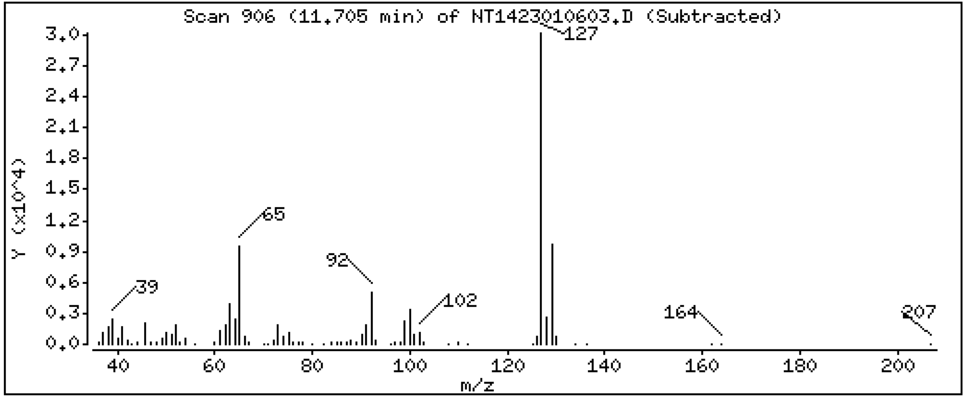
Operator: VTS

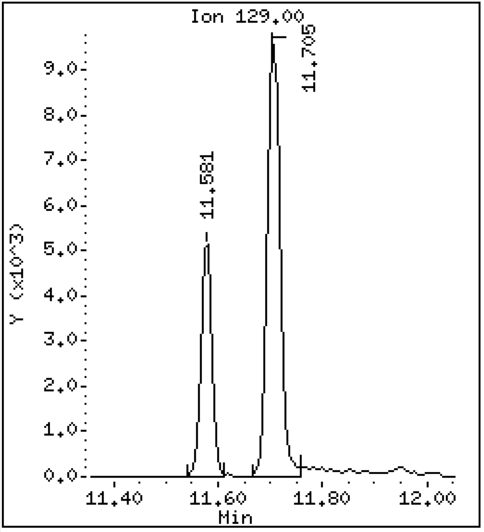
Column phase: ZB-5msi Column diameter: 0.25

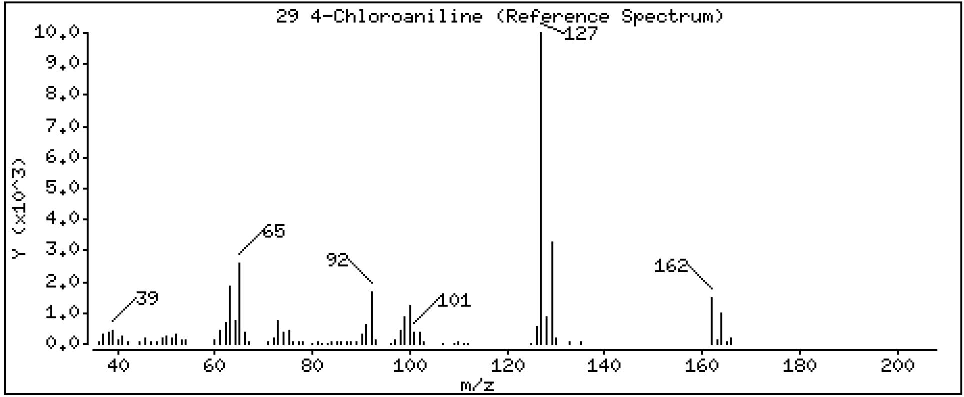
29 4-Chloroaniline Concentration: 0.7791 ug/mL

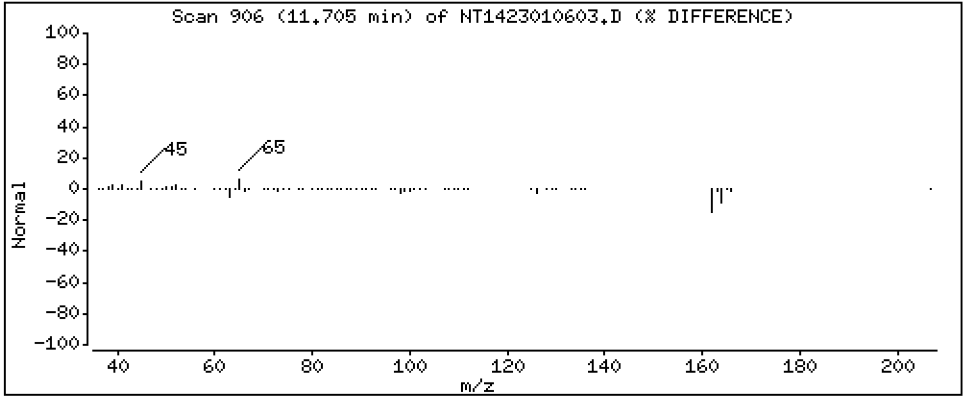












Data File: \\target\share\chem3\nt14.i\20230106.b\NT1423010603.D

Date : 06-JAN-2023 12:48

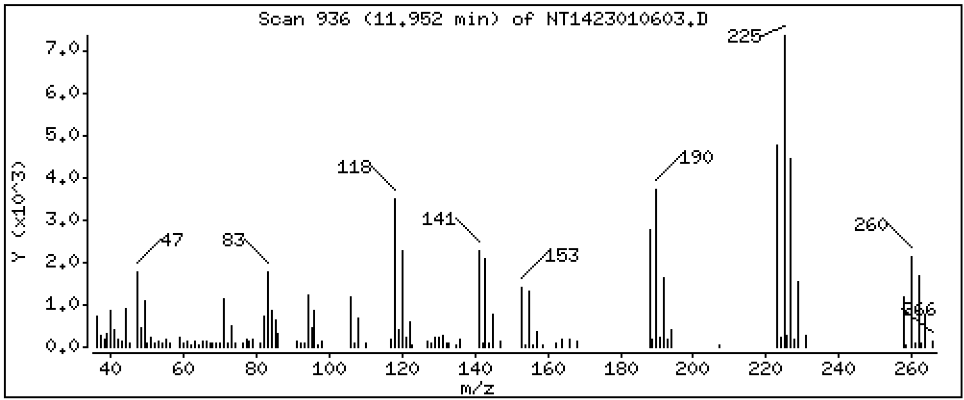
Client ID: Instrument: nt14.i

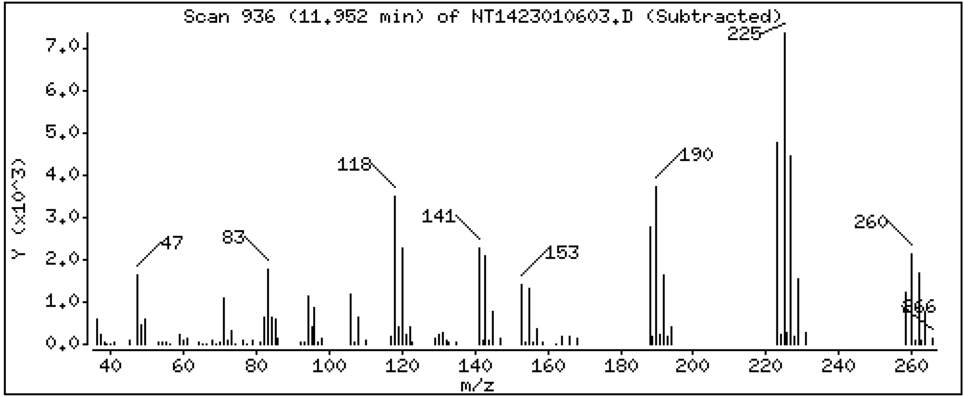
Sample Info: SLA0068-LCV1

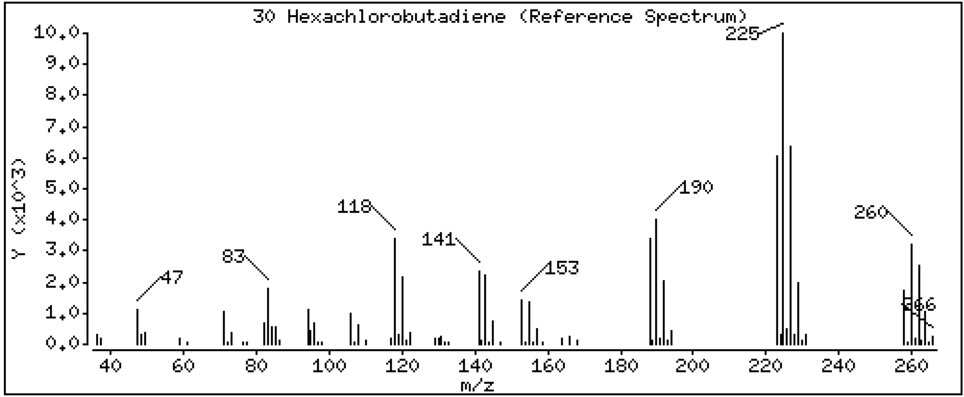
Operator: VTS

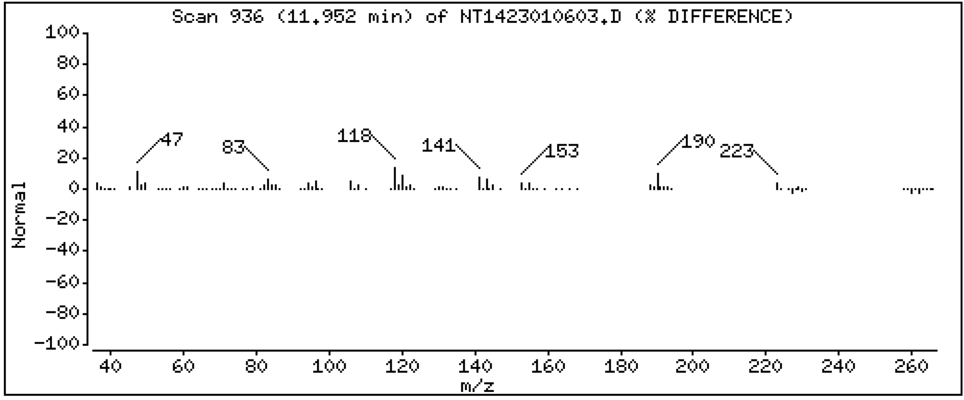
Column phase: ZB-5msi Column diameter: 0.25

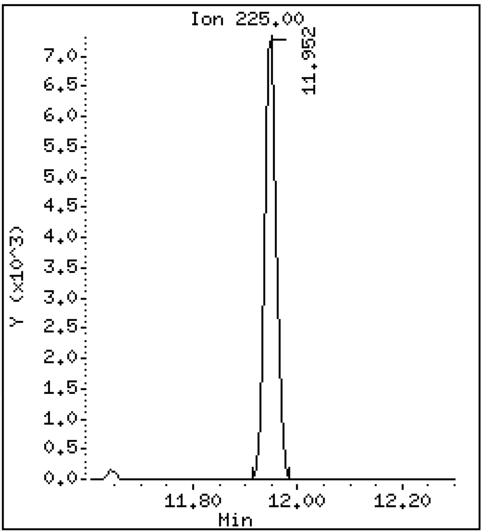
30 Hexachlorobutadiene Concentration: 0.4682 ug/mL

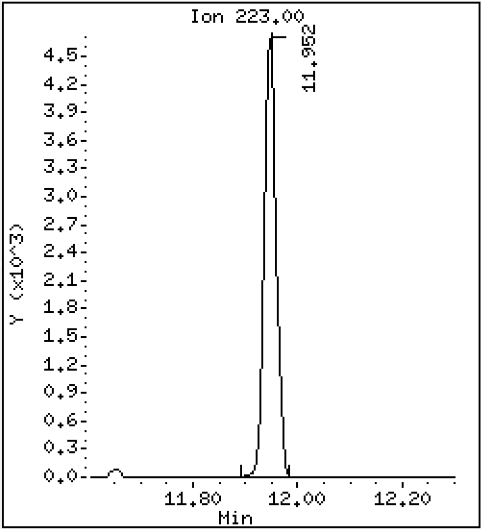

Scan 936 (11.952 min) of NT1423010603.D

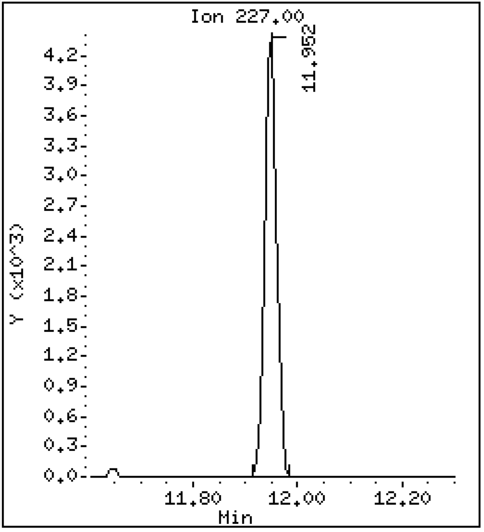

Scan 936 (11.952 min) of NT1423010603.D (Subtracted)


30 Hexachlorobutadiene (Reference Spectrum)


Scan 936 (11.952 min) of NT1423010603.D (% DIFFERENCE)


Ion 225.00


Ion 223.00


Ion 227.00

Data File: \\target\share\chem3\nt14.i\20230106.b\NT1423010603.D

Date : 06-JAN-2023 12:48

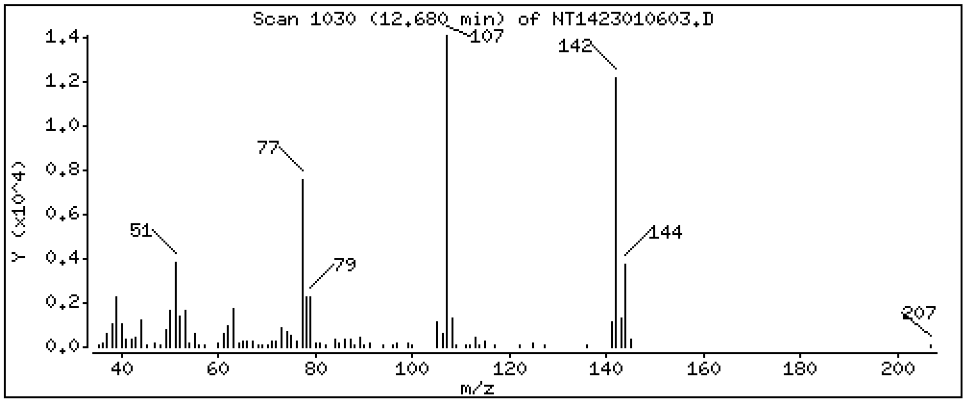
Client ID: Instrument: nt14.i

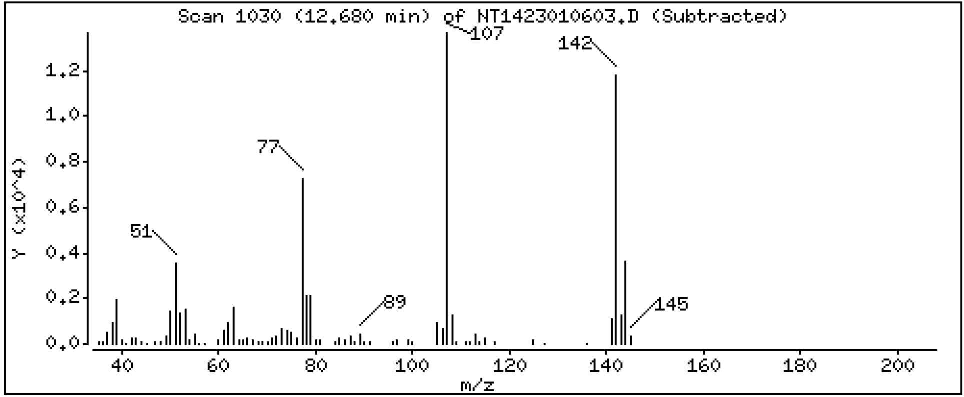
Sample Info: SLA0068-LCV1

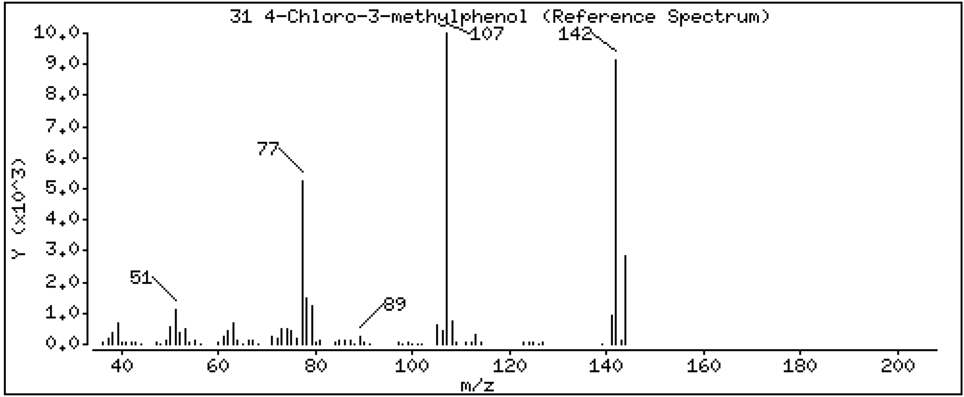
Operator: VTS

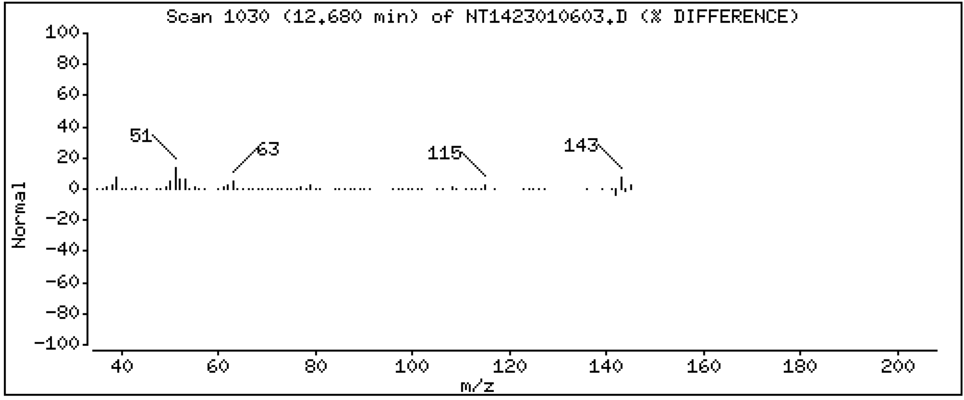
Column phase: ZB-5msi Column diameter: 0.25

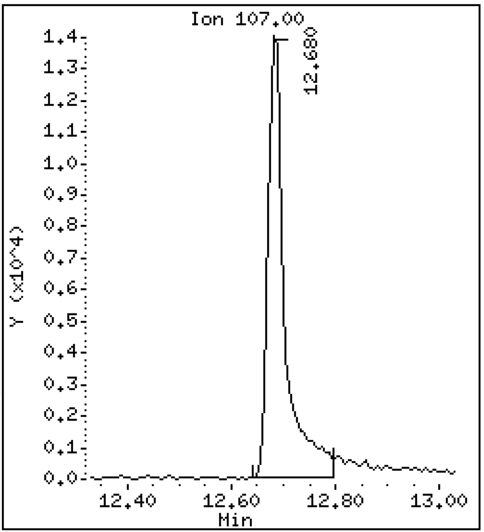
31 4-Chloro-3-methylphenol Concentration: 0.7149 ug/mL

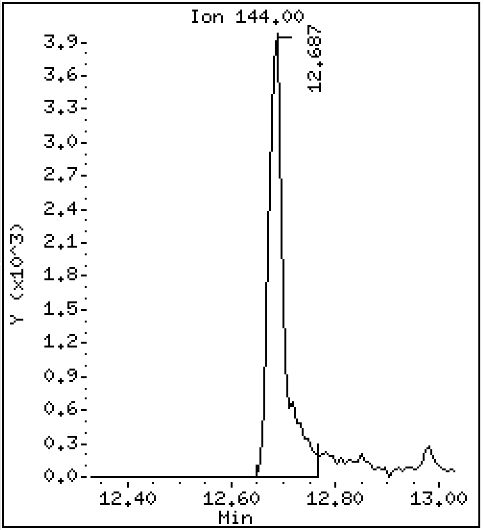

Scan 1030 (12.680 min) of NT1423010603.D

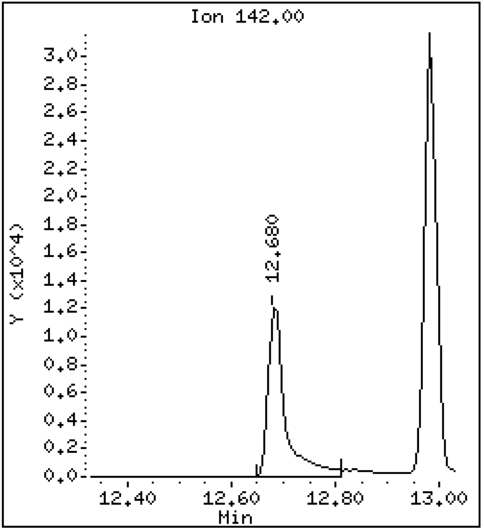

Scan 1030 (12.680 min) of NT1423010603.D (Subtracted)


31 4-Chloro-3-methylphenol (Reference Spectrum)


Scan 1030 (12.680 min) of NT1423010603.D (% DIFFERENCE)


Ion 107.00


Ion 144.00


Ion 142.00

Data File: \\target\share\chem3\nt14.i\20230106.b\NT1423010603.D

Date : 06-JAN-2023 12:48

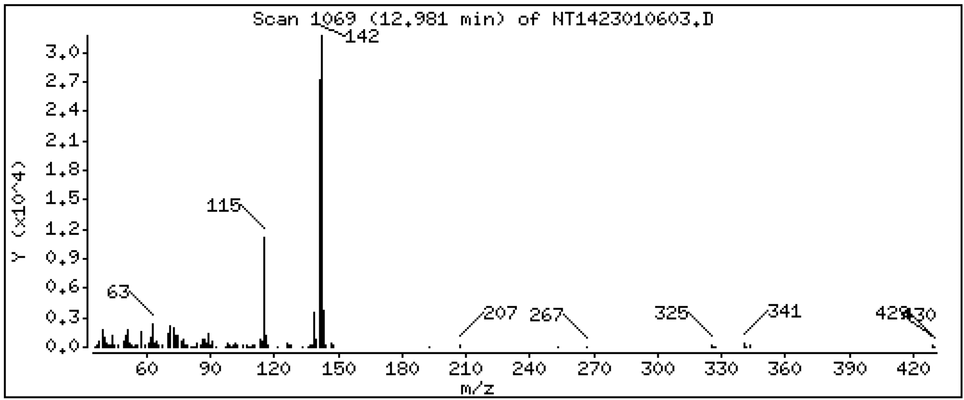
Client ID: Instrument: nt14.i

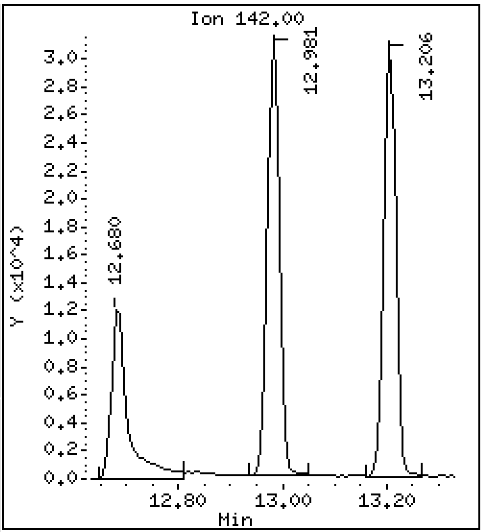
Sample Info: SLA0068-LCV1

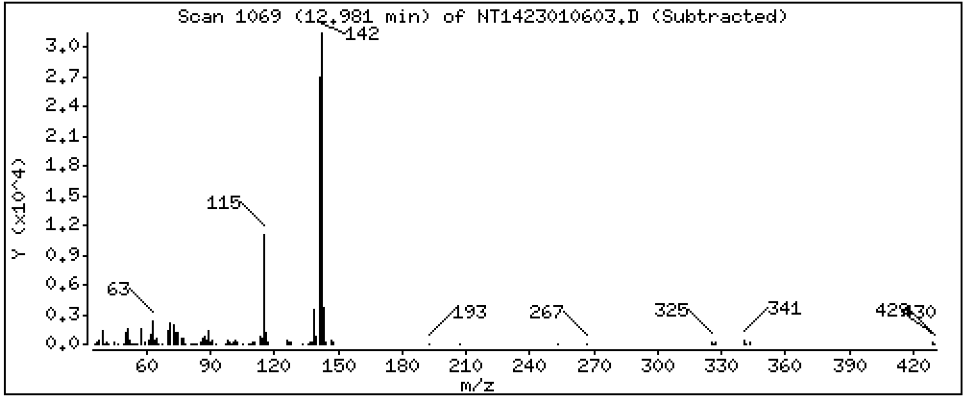
Operator: VTS

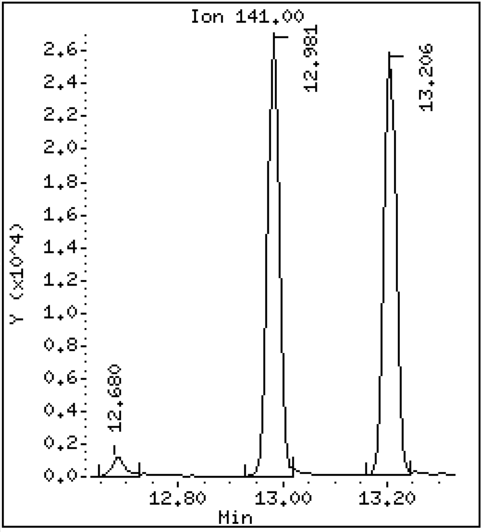
Column phase: ZB-5msi Column diameter: 0.25

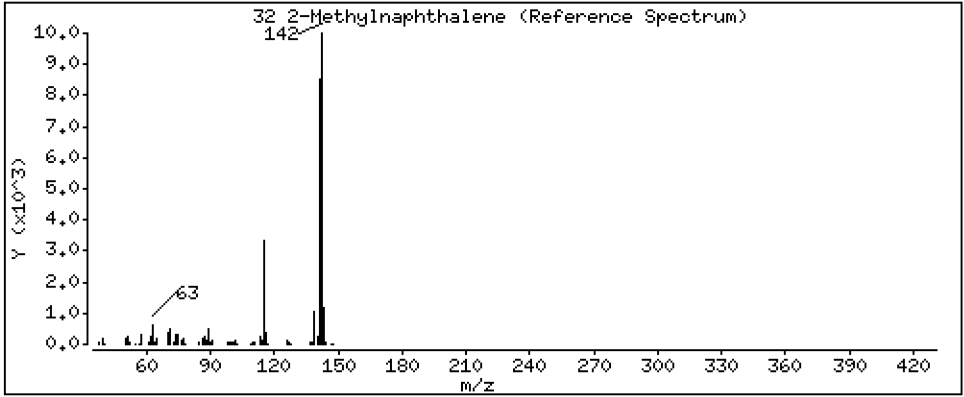
32 2-Methylnaphthalene Concentration: 0.4276 ug/mL

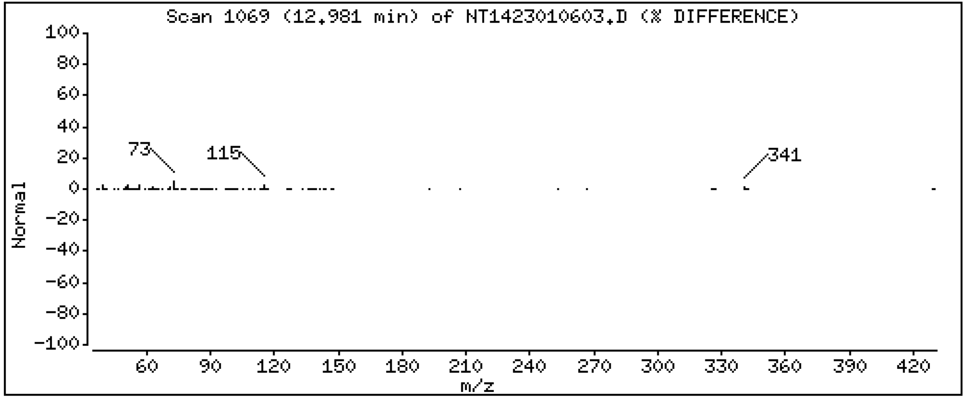

Scan 1069 (12.981 min) of NT1423010603.D


Ion 142.00


Scan 1069 (12.981 min) of NT1423010603.D (Subtracted)


Ion 141.00


32 2-Methylnaphthalene (Reference Spectrum)


Scan 1069 (12.981 min) of NT1423010603.D (% DIFFERENCE)

Date : 06-JAN-2023 12:48

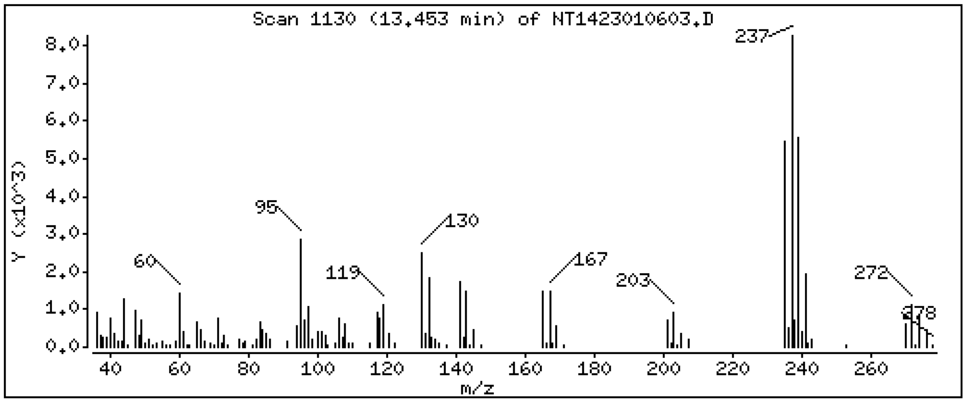
Client ID: Instrument: nt14.i

Sample Info: SLA0068-LCV1

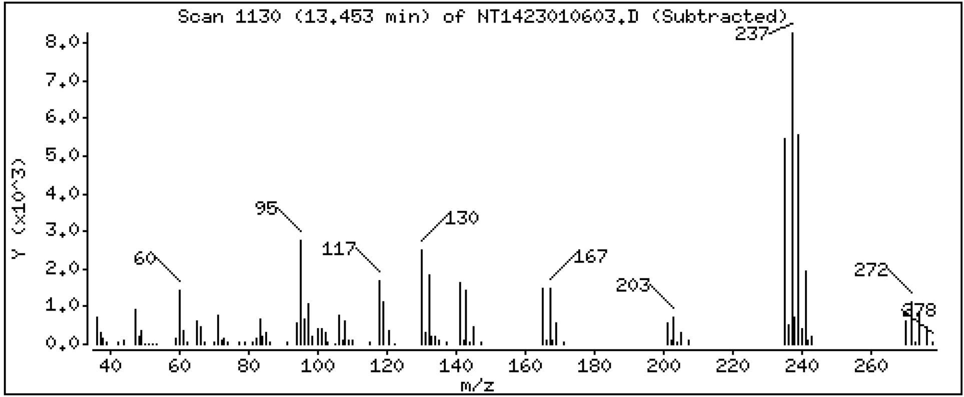
Operator: VTS

Column phase: ZB-5msi Column diameter: 0.25

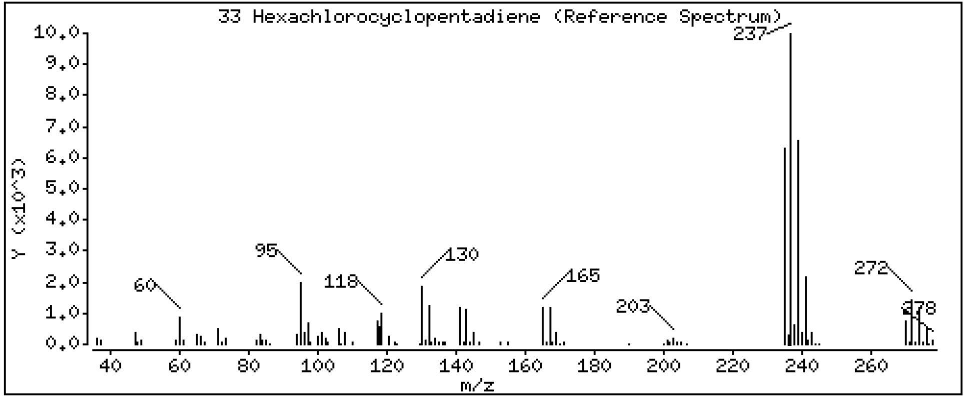
33 Hexachlorocyclopentadiene Concentration: 0.5629 ug/mL



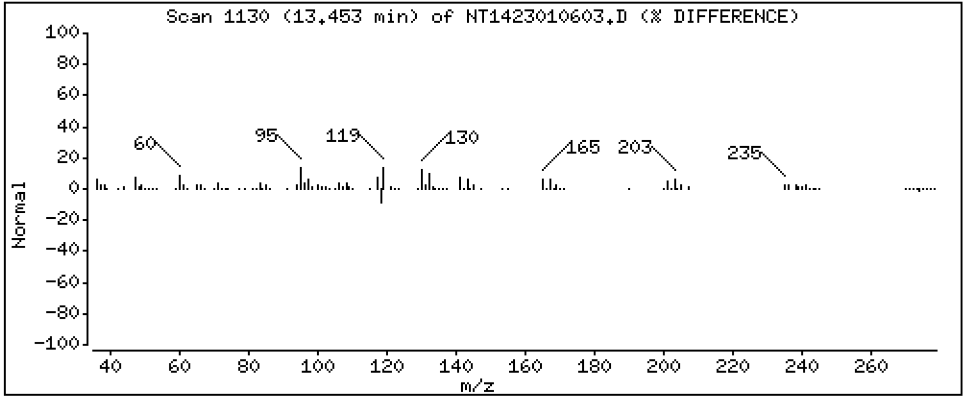
Scan 1130 (13.453 min) of NT1423010603.D



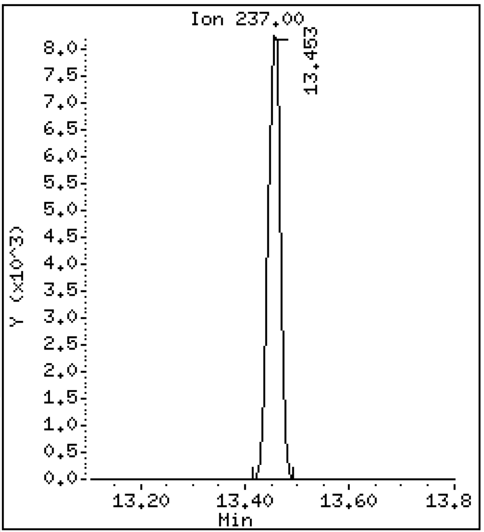
Scan 1130 (13.453 min) of NT1423010603.D (Subtracted)



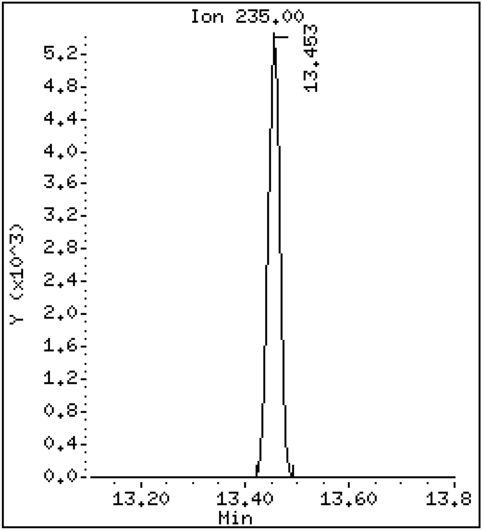
33 Hexachlorocyclopentadiene (Reference Spectrum)



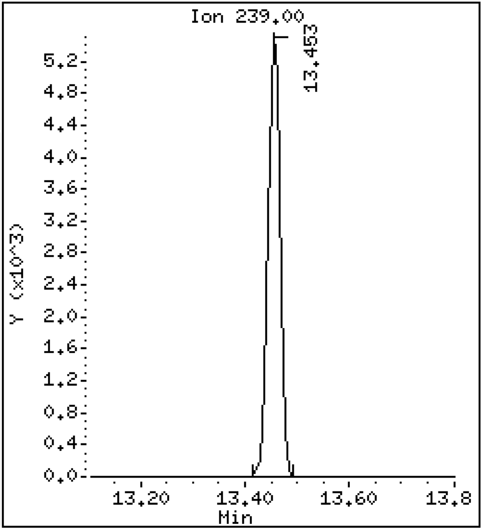
Scan 1130 (13.453 min) of NT1423010603.D (% DIFFERENCE)



Ion 237.00



Ion 235.00



Ion 239.00

Data File: \\target\share\chem3\nt14.i\20230106.b\NT1423010603.D

Date : 06-JAN-2023 12:48

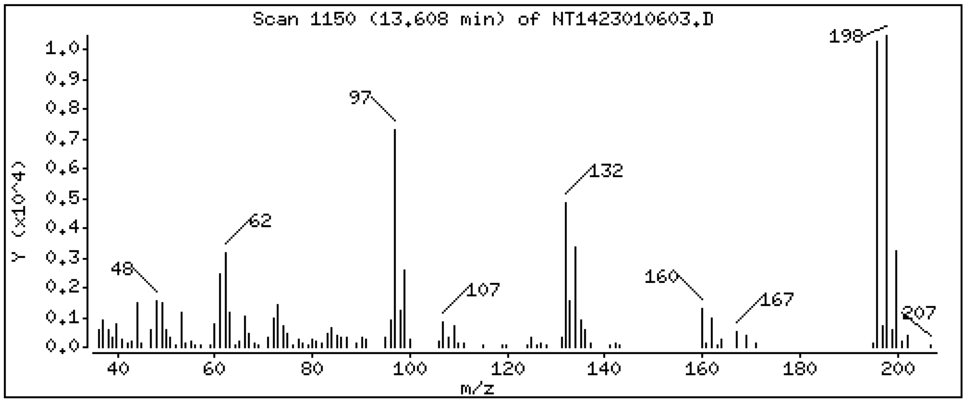
Client ID: Instrument: nt14.i

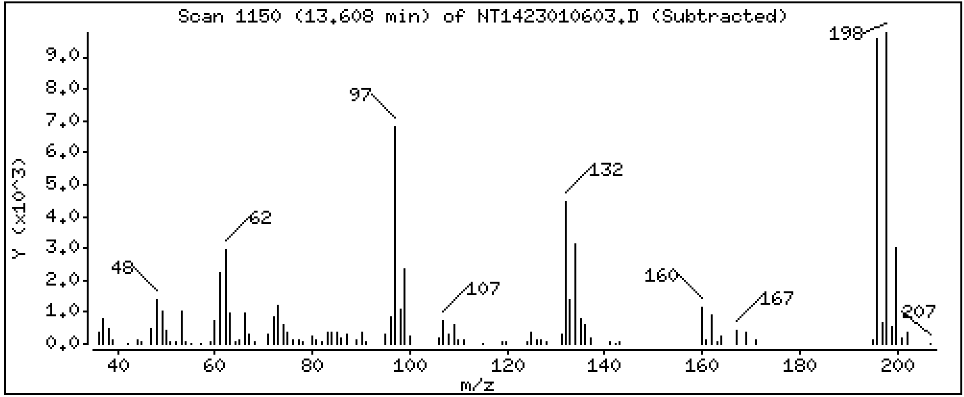
Sample Info: SLA0068-LCV1

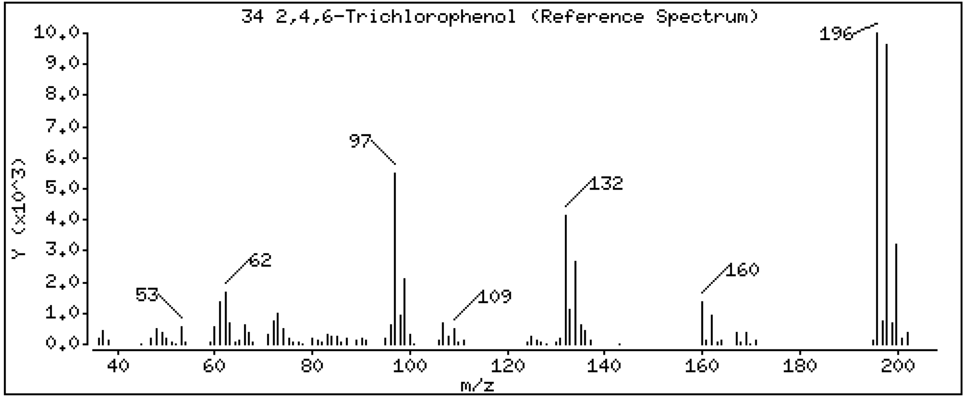
Operator: VTS

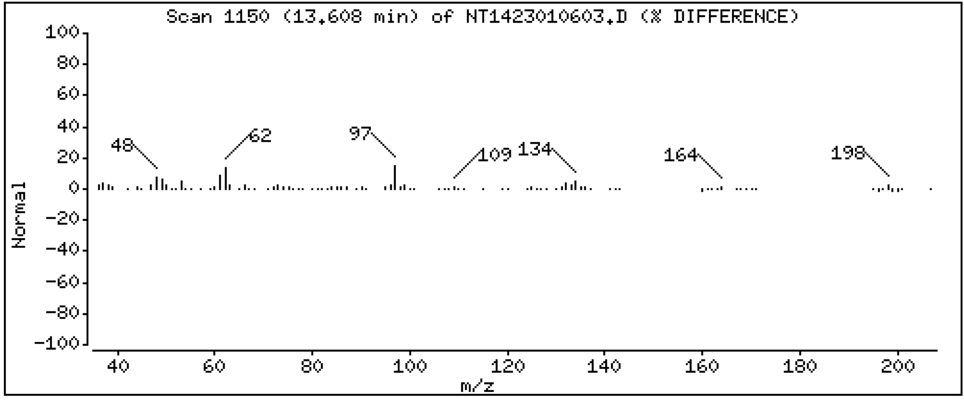
Column phase: ZB-5msi Column diameter: 0.25

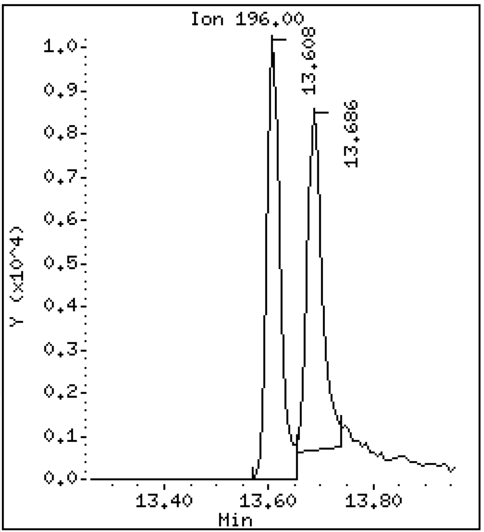
34 2,4,6-Trichlorophenol Concentration: 0.6842 ug/mL

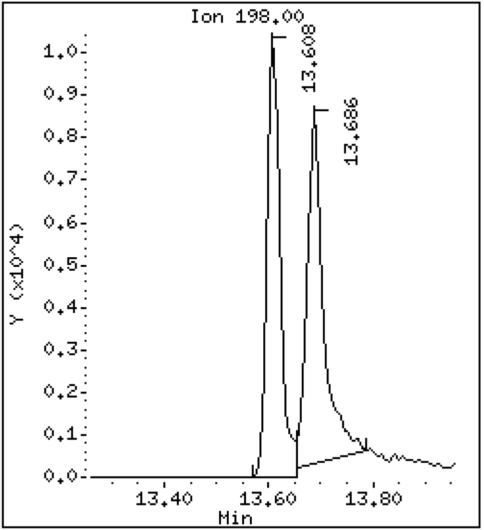

Scan 1150 (13.608 min) of NT1423010603.D

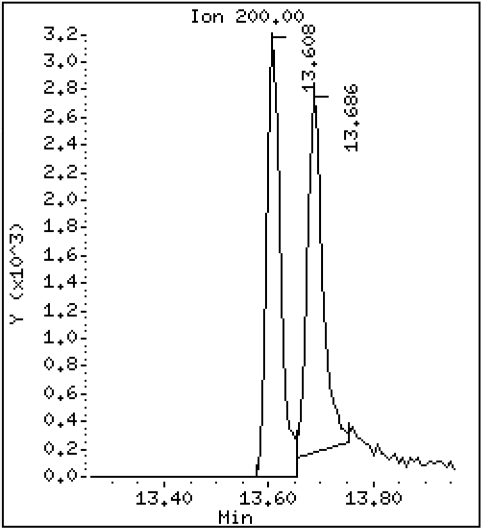

Scan 1150 (13.608 min) of NT1423010603.D (Subtracted)


34 2,4,6-Trichlorophenol (Reference Spectrum)


Scan 1150 (13.608 min) of NT1423010603.D (% DIFFERENCE)


Ion 196.00


Ion 198.00


Ion 200.00

Data File: \\target\share\chem3\nt14.i\20230106.b\NT1423010603.D

Date : 06-JAN-2023 12:48

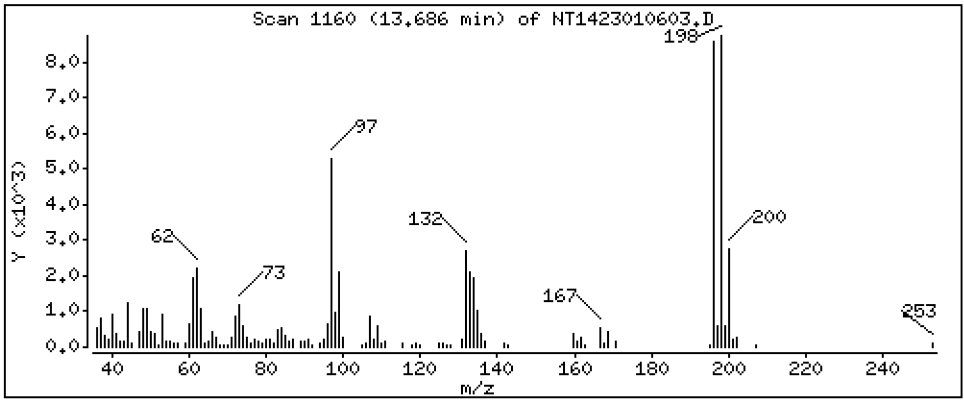
Client ID: Instrument: nt14.i

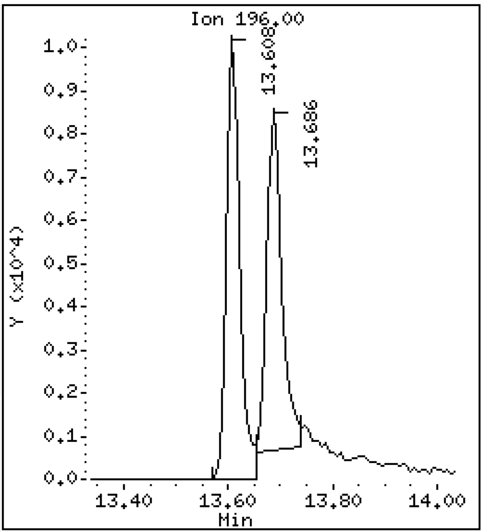
Sample Info: SLA0068-LCV1

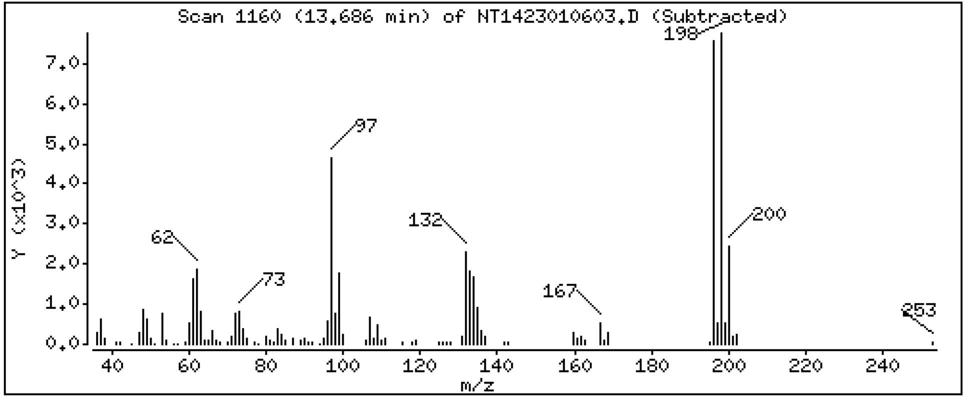
Operator: VTS

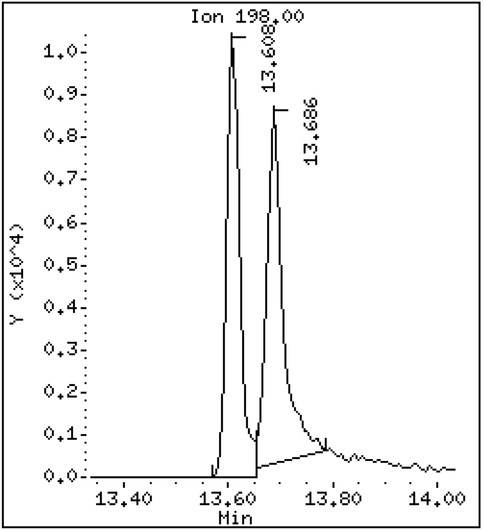
Column phase: ZB-5msi Column diameter: 0.25

35 2,4,5-Trichlorophenol Concentration: 0.5265 ug/mL


Scan 1160 (13.686 min) of NT1423010603.D


Ion 196.00


Scan 1160 (13.686 min) of NT1423010603.D (Subtracted)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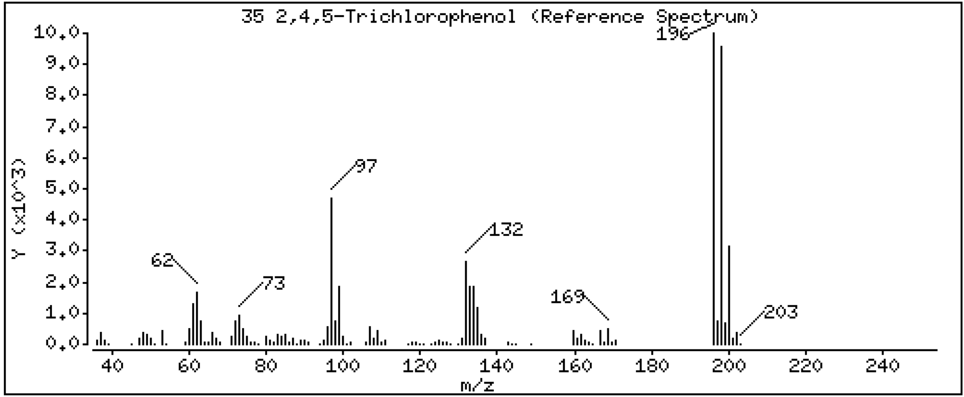
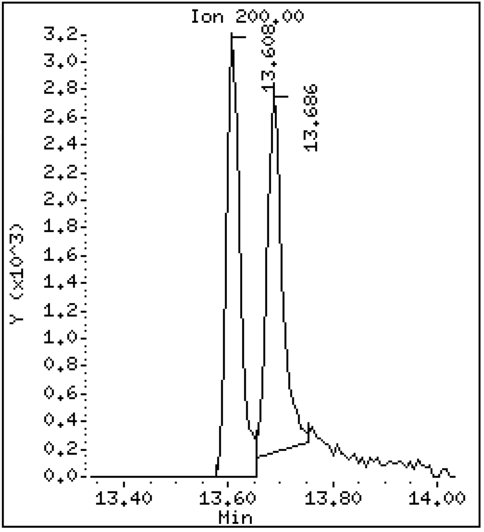
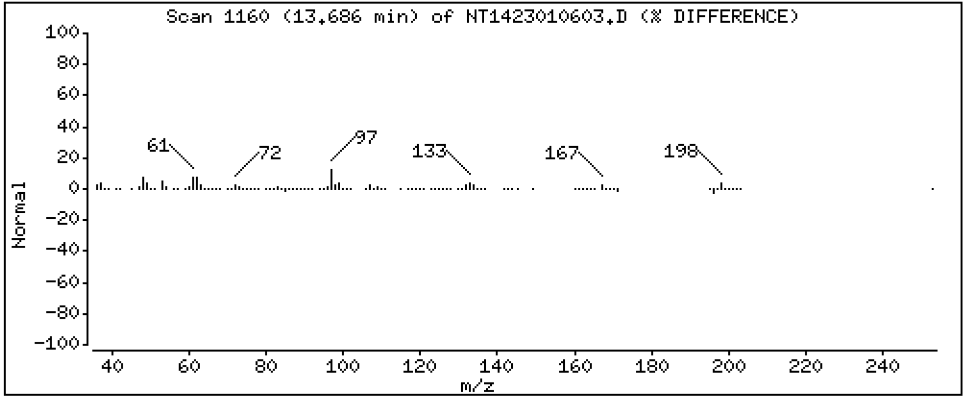

35 2,4,5-Trichlorophenol (Reference Spectrum)


Ion 200.00


Scan 1160 (13.686 min) of NT1423010603.D (% DIFFERENCE)

Data File: \\target\share\chem3\nt14.i\20230106.b\NT1423010603.D

Date : 06-JAN-2023 12:48

Client ID:

Instrument: nt14.i

Sample Info: SLA0068-LCV1

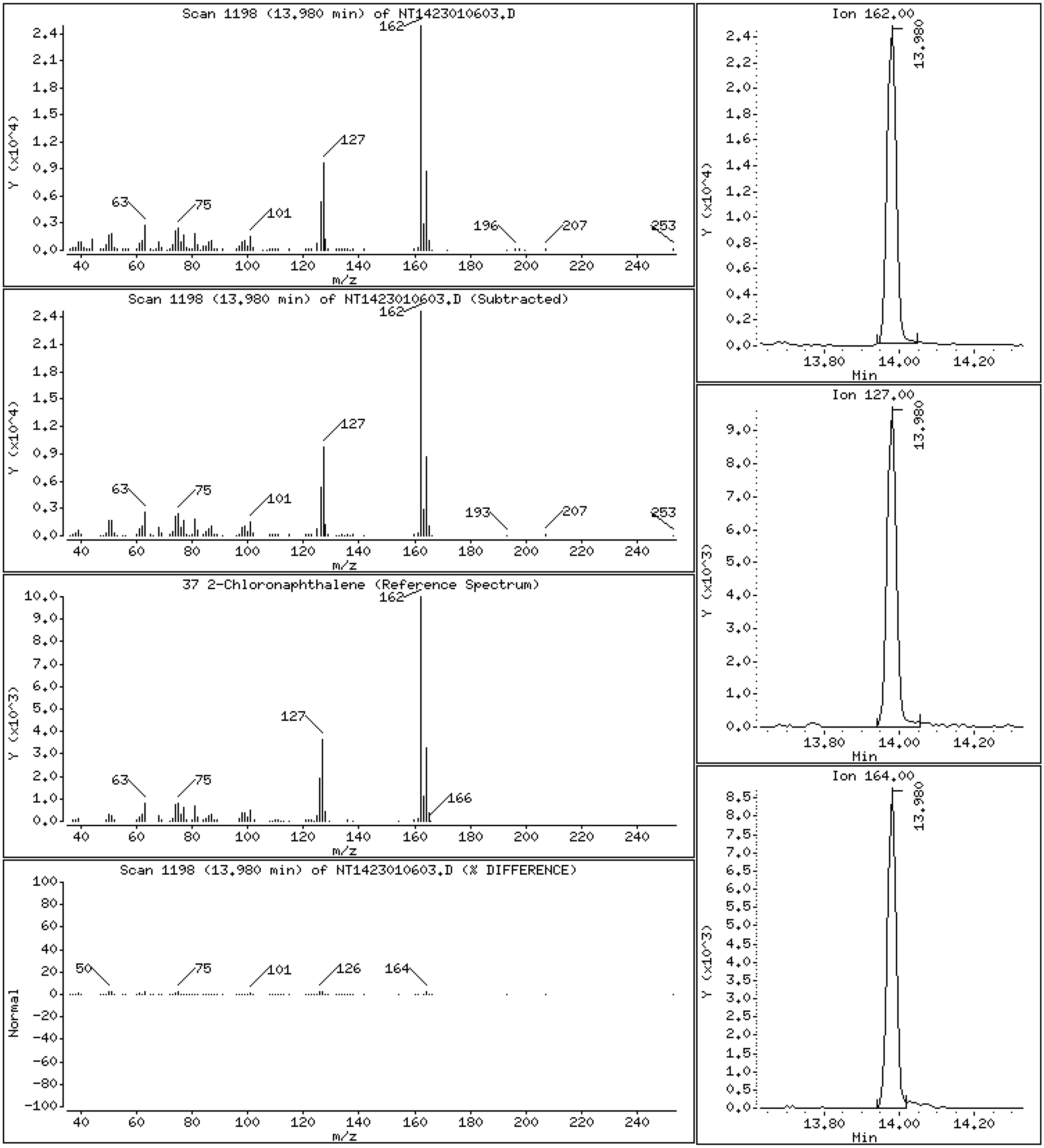
Operator: VTS

Column phase: ZB-5msi

Column diameter: 0.25

37 2-Chloronaphthalene

Concentration: 0.4535 ug/mL



Data File: \\target\share\chem3\nt14.i\20230106.b\NT1423010603.D

Date : 06-JAN-2023 12:48

Client ID:

Instrument: nt14.i

Sample Info: SLA0068-LCV1

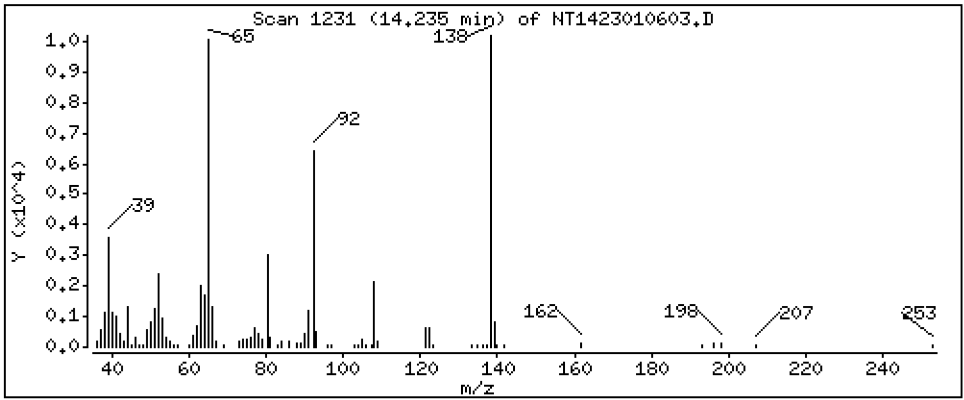
Operator: VTS

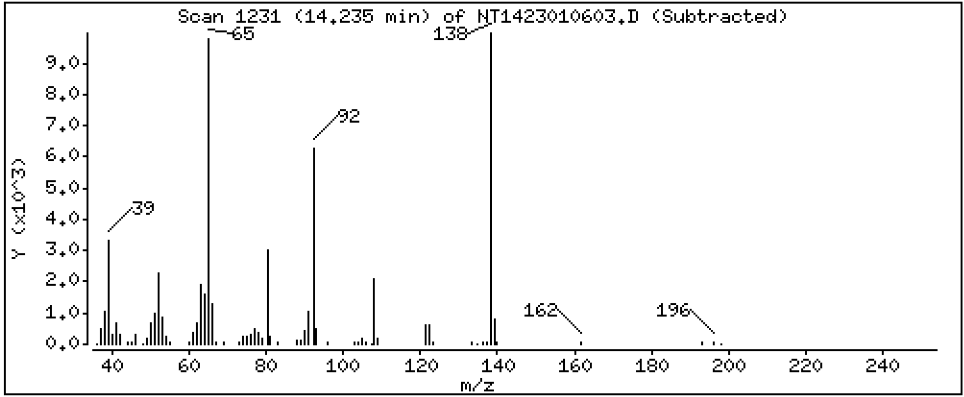
Column phase: ZB-5msi

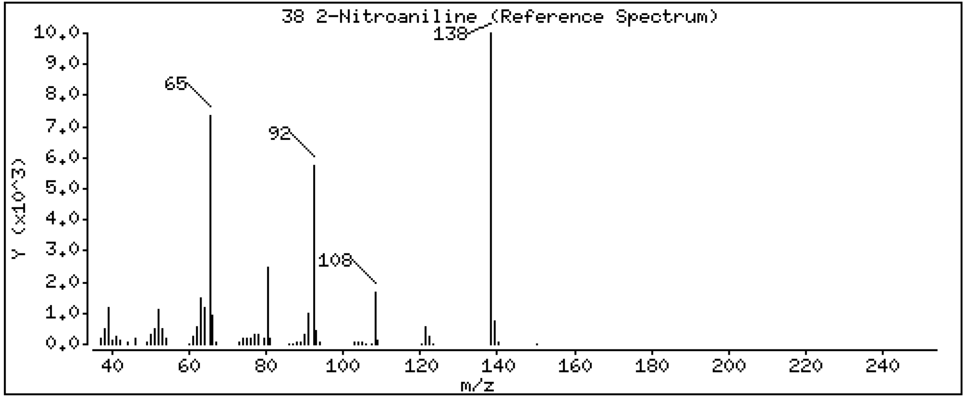
Column diameter: 0.25

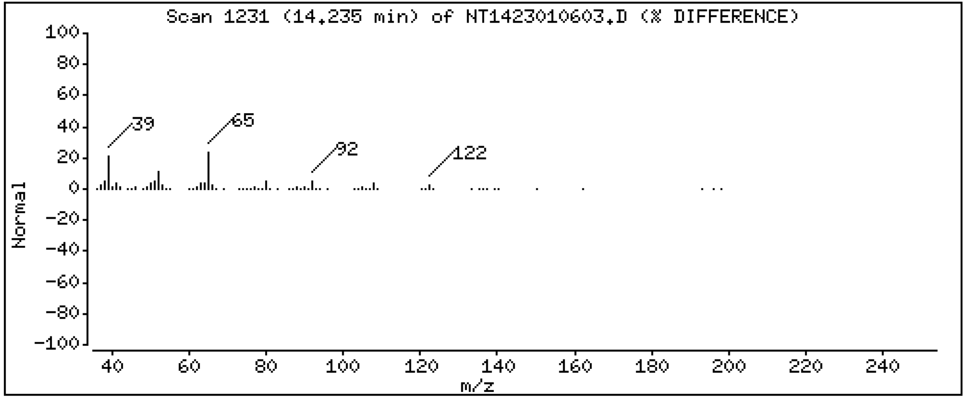
38 2-Nitroaniline

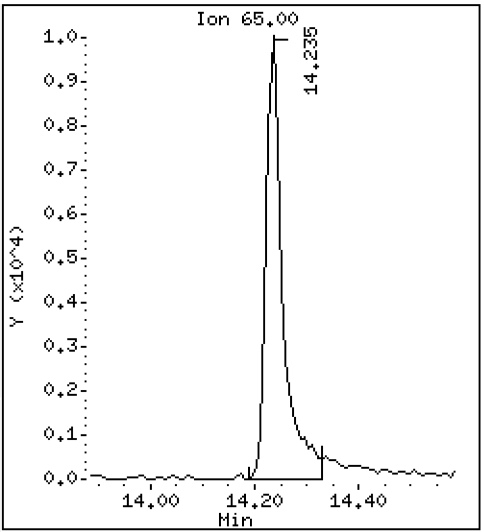
Concentration: 0.9526 ug/mL

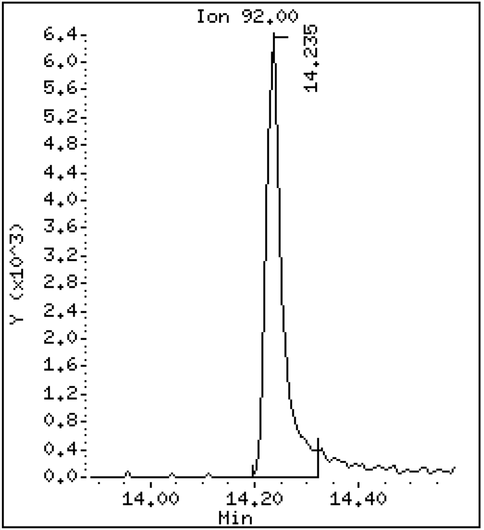

Scan 1231 (14.235 min) of NT1423010603.D

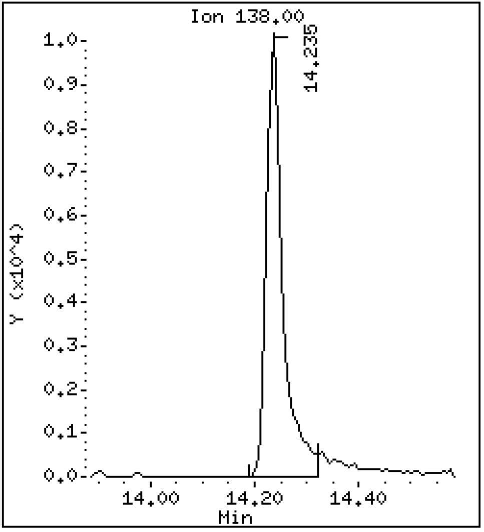

Scan 1231 (14.235 min) of NT1423010603.D (Subtracted)


38 2-Nitroaniline (Reference Spectrum)


Scan 1231 (14.235 min) of NT1423010603.D (% DIFFERENCE)


Ion 65.00


Ion 92.00


Ion 138.00

Data File: \\target\share\chem3\nt14.i\20230106.b\NT1423010603.D

Date : 06-JAN-2023 12:48

Client ID:

Instrument: nt14.i

Sample Info: SLA0068-LCV1

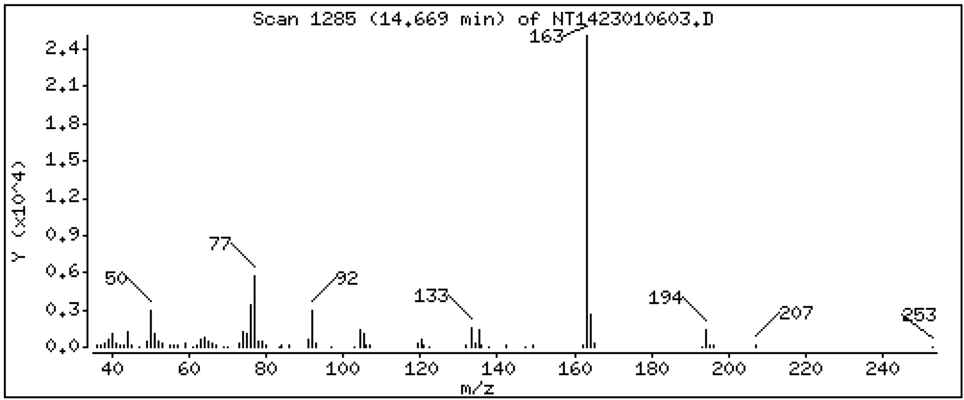
Operator: VTS

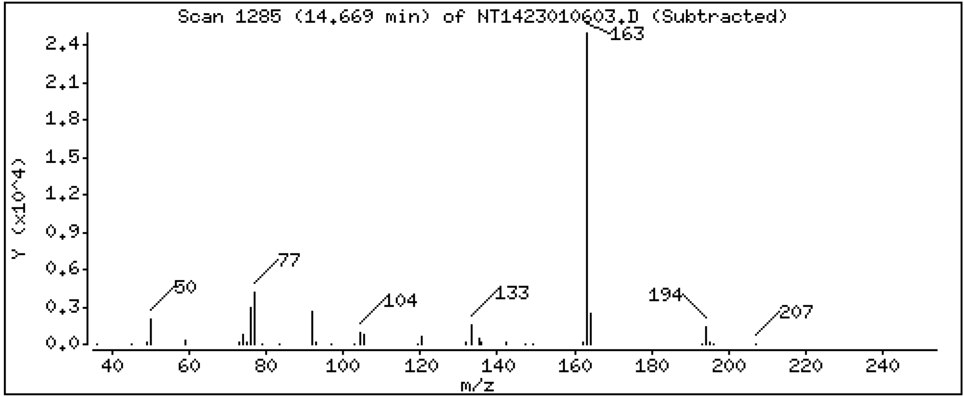
Column phase: ZB-5msi

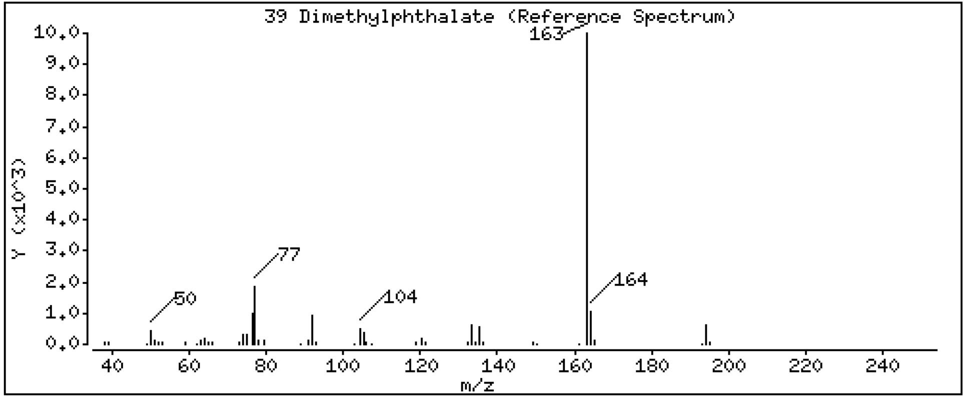
Column diameter: 0.25

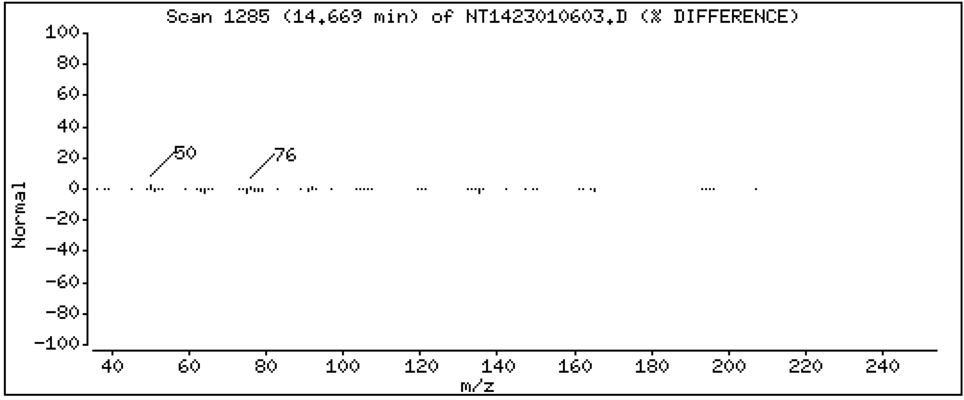
39 Dimethylphthalate

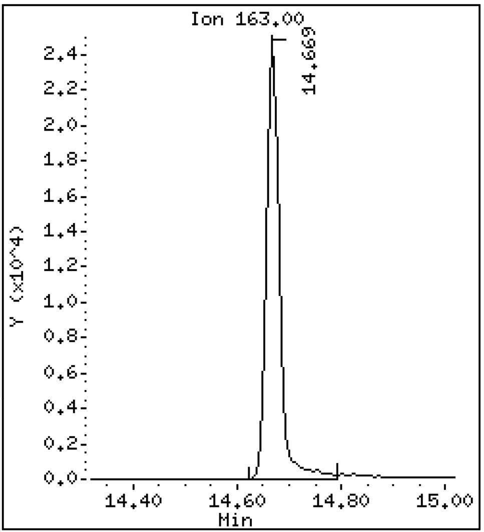
Concentration: 0.4836 ug/mL

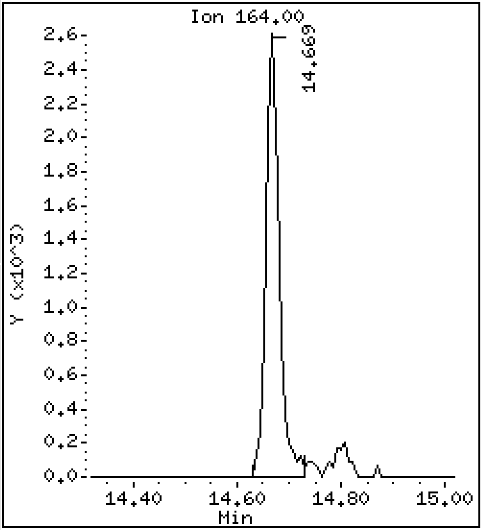

Scan 1285 (14.669 min) of NT1423010603.D

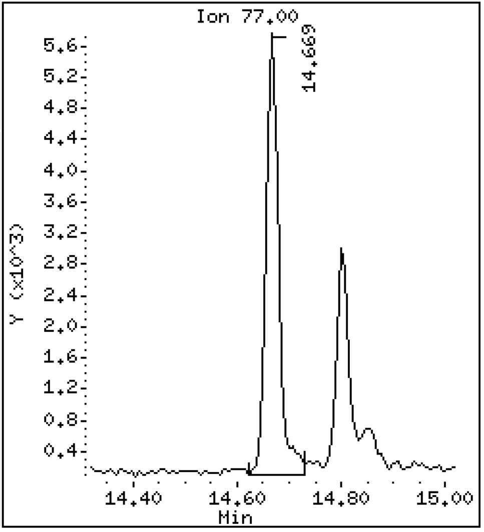

Scan 1285 (14.669 min) of NT1423010603.D (Subtracted)


39 Dimethylphthalate (Reference Spectrum)


Scan 1285 (14.669 min) of NT1423010603.D (% DIFFERENCE)


Ion 163.00


Ion 164.00


Ion 77.00

Data File: \\target\share\chem3\nt14.i\20230106.b\NT1423010603.D

Date : 06-JAN-2023 12:48

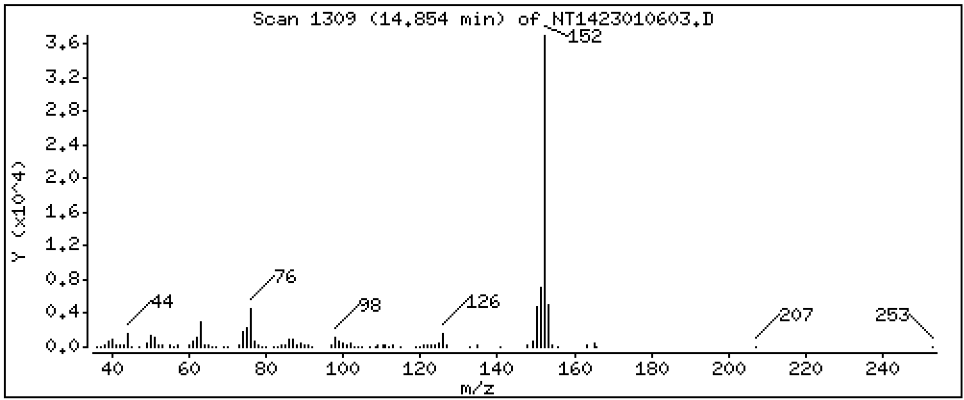
Client ID: Instrument: nt14.i

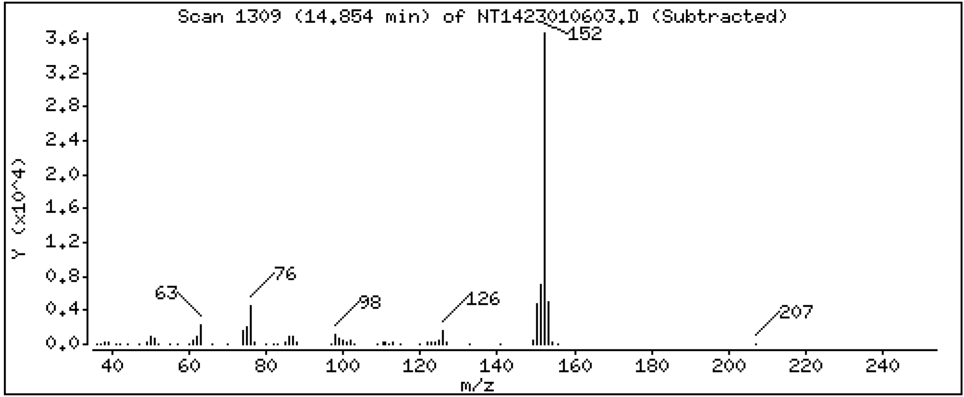
Sample Info: SLA0068-LCV1

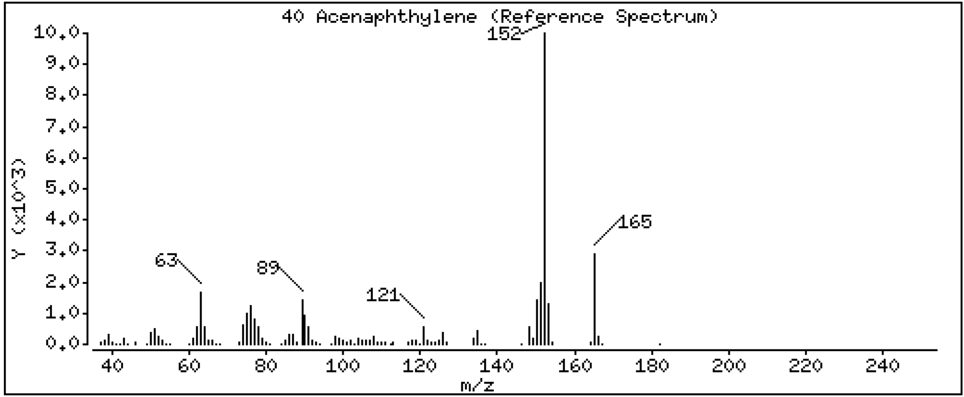
Operator: VTS

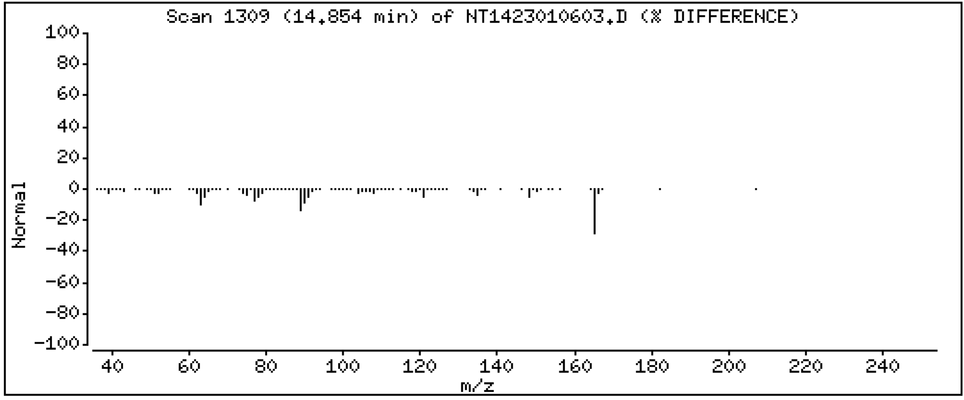
Column phase: ZB-5msi Column diameter: 0.25

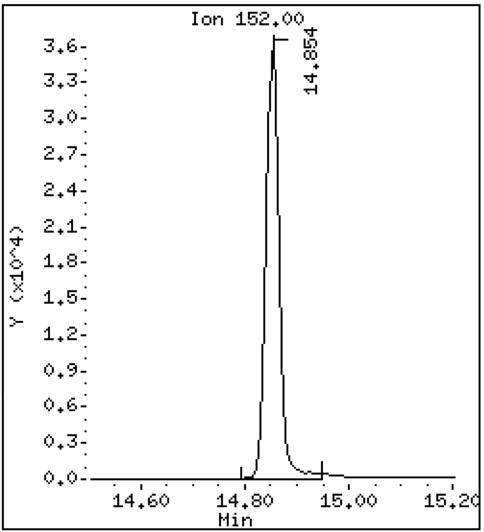
40 Acenaphthylene Concentration: 0.4635 ug/mL

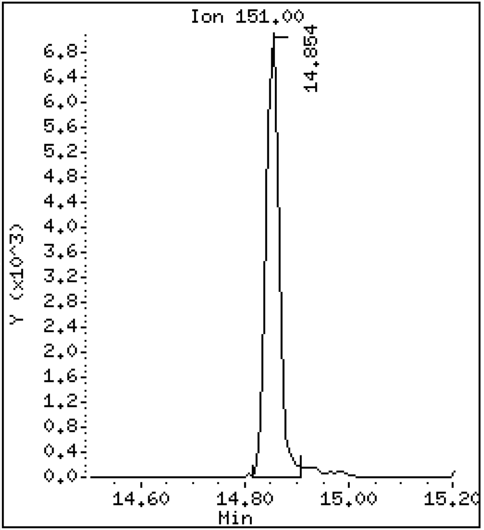

Scan 1309 (14.854 min) of NT1423010603.D

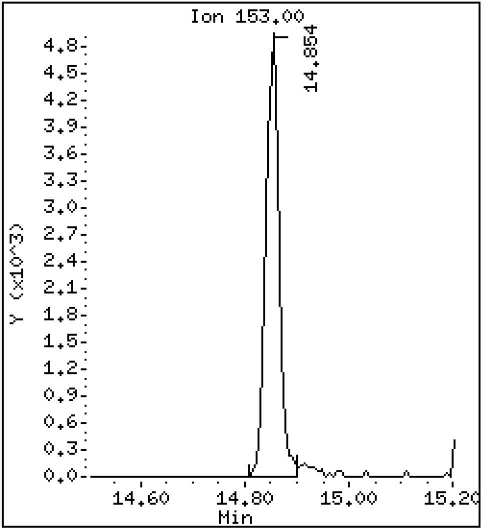

Scan 1309 (14.854 min) of NT1423010603.D (Subtracted)


40 Acenaphthylene (Reference Spectrum)


Scan 1309 (14.854 min) of NT1423010603.D (% DIFFERENCE)


Ion 152.00


Ion 151.00


Ion 153.00

Data File: \\target\share\chem3\nt14.i\20230106.b\NT1423010603.D

Date : 06-JAN-2023 12:48

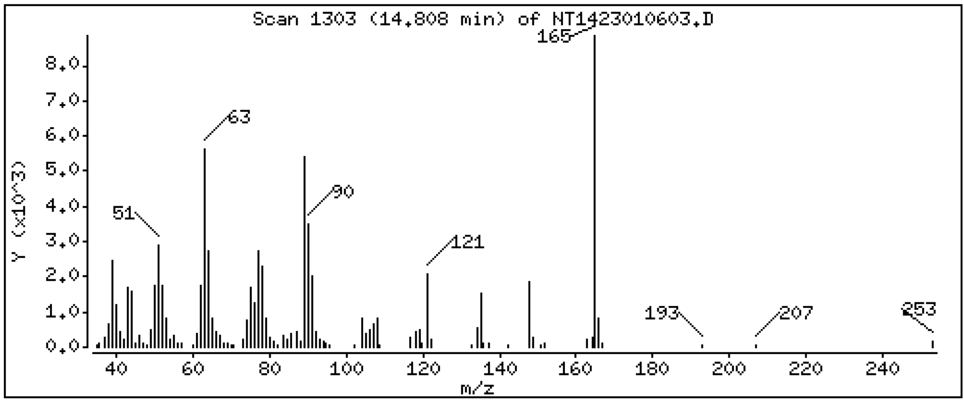
Client ID: Instrument: nt14.i

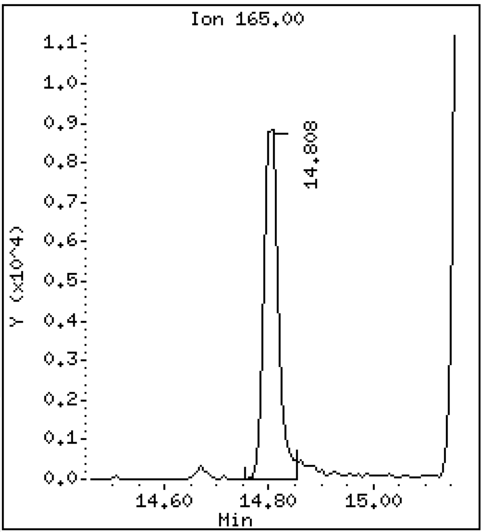
Sample Info: SLA0068-LCV1

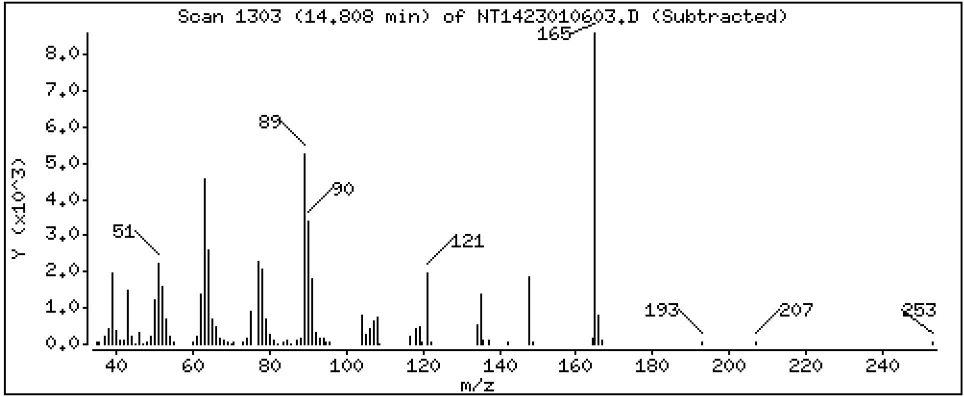
Operator: VTS

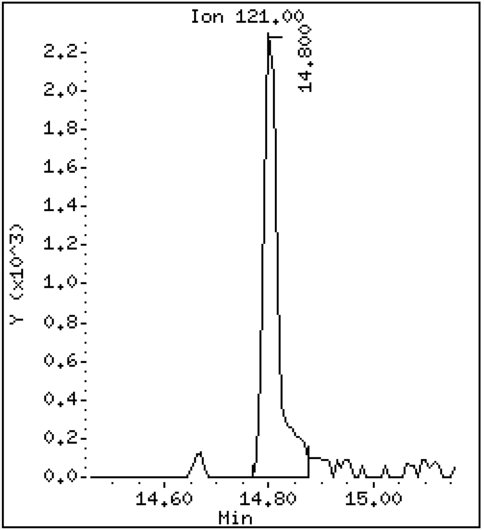
Column phase: ZB-5msi Column diameter: 0.25

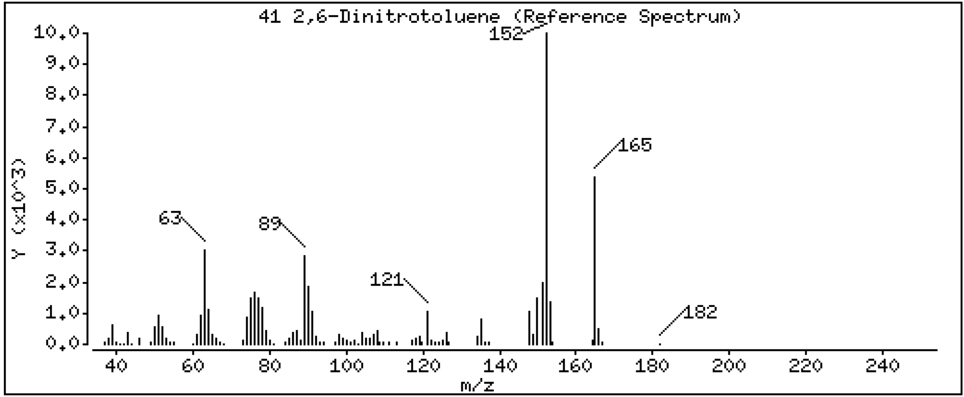
41 2,6-Dinitrotoluene Concentration: 0.8467 ug/mL

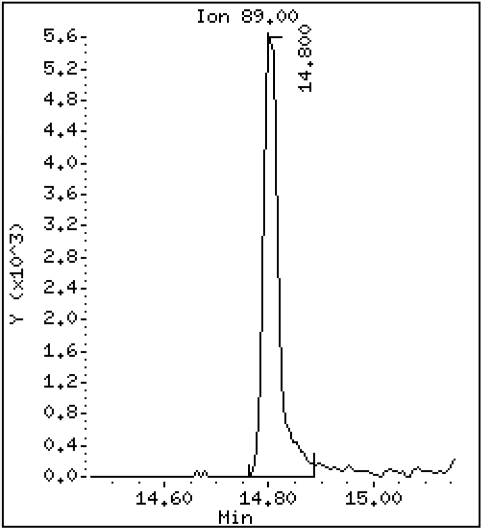


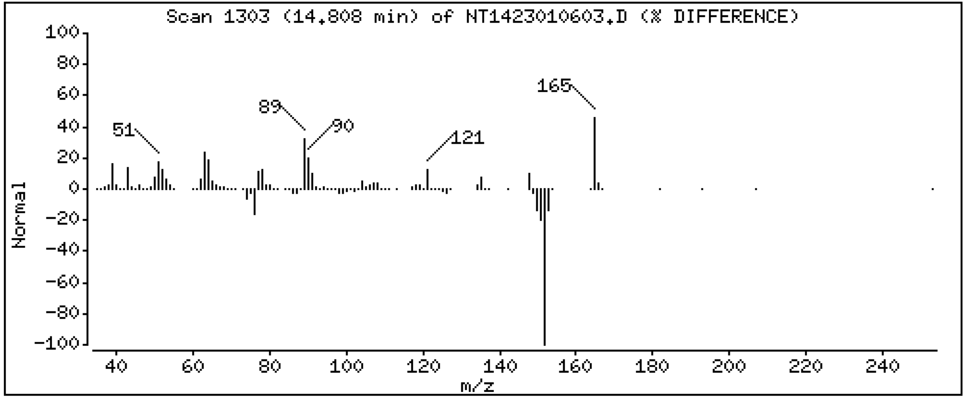












Data File: \\target\share\chem3\nt14.i\20230106.b\NT1423010603.D

Date : 06-JAN-2023 12:48

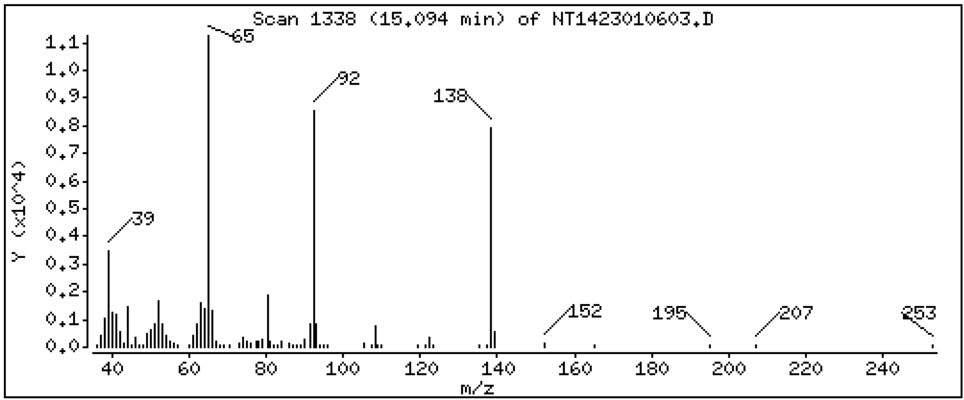
Client ID: Instrument: nt14.i

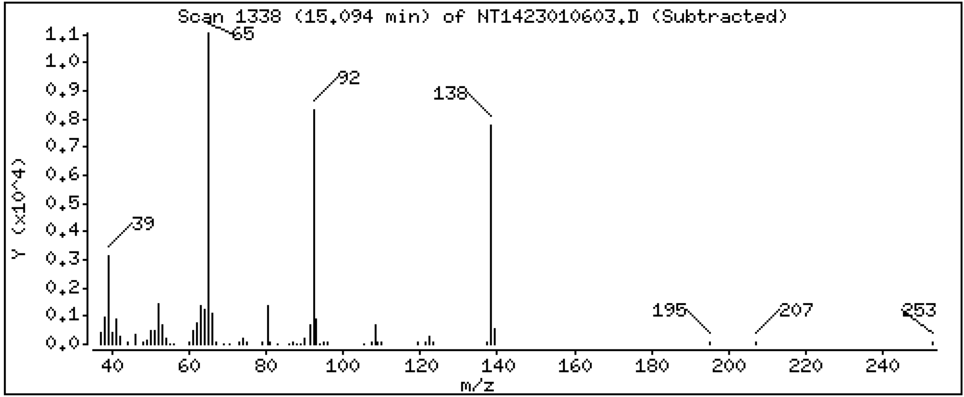
Sample Info: SLA0068-LCV1

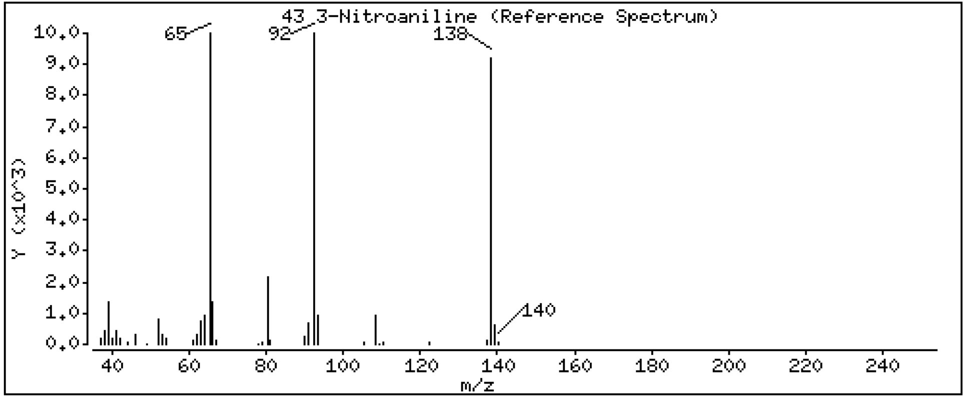
Operator: VTS

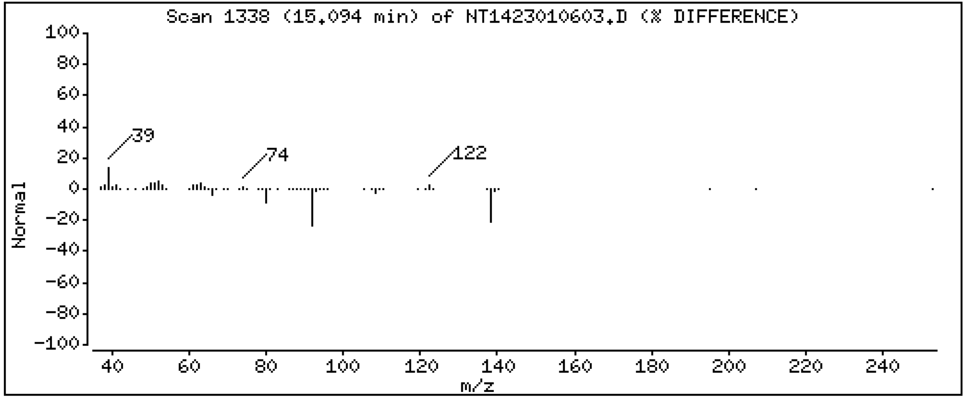
Column phase: ZB-5msi Column diameter: 0.25

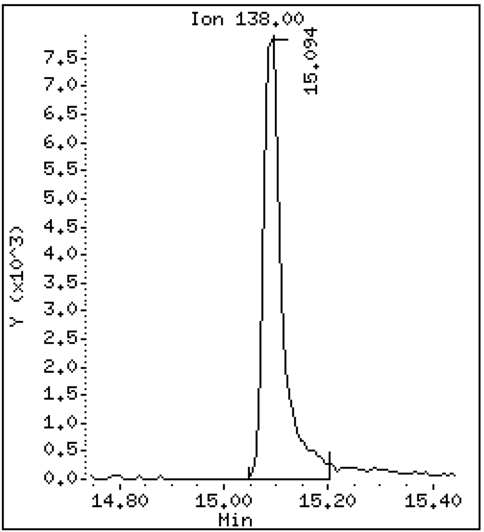
43 3-Nitroaniline Concentration: 0.8220 ug/mL

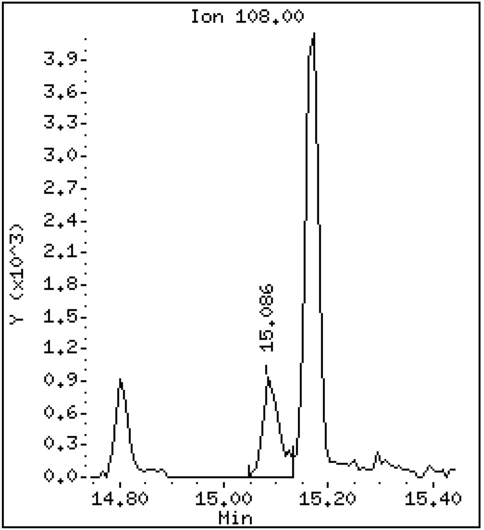


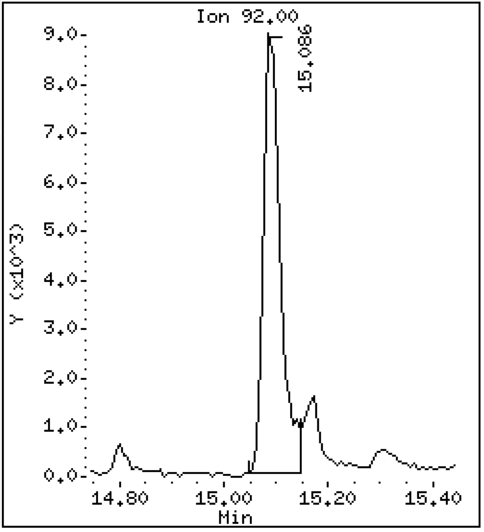












Data File: \\target\share\chem3\nt14.i\20230106.b\NT1423010603.D

Date : 06-JAN-2023 12:48

Client ID:

Instrument: nt14.i

Sample Info: SLA0068-LCV1

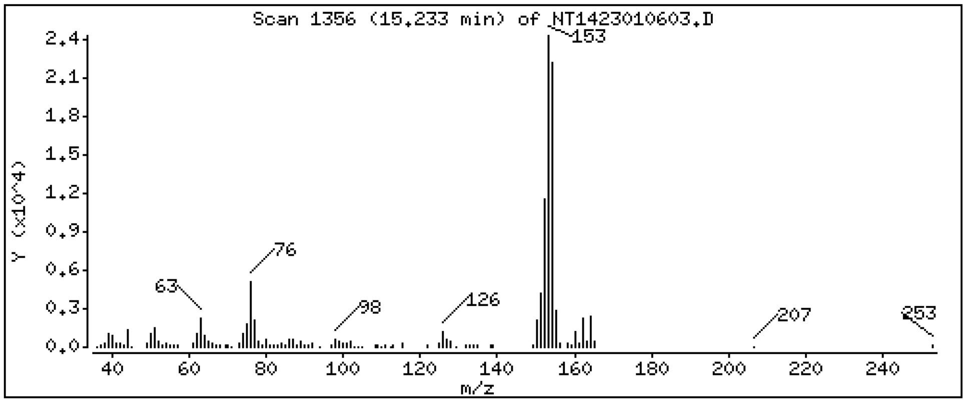
Operator: VTS

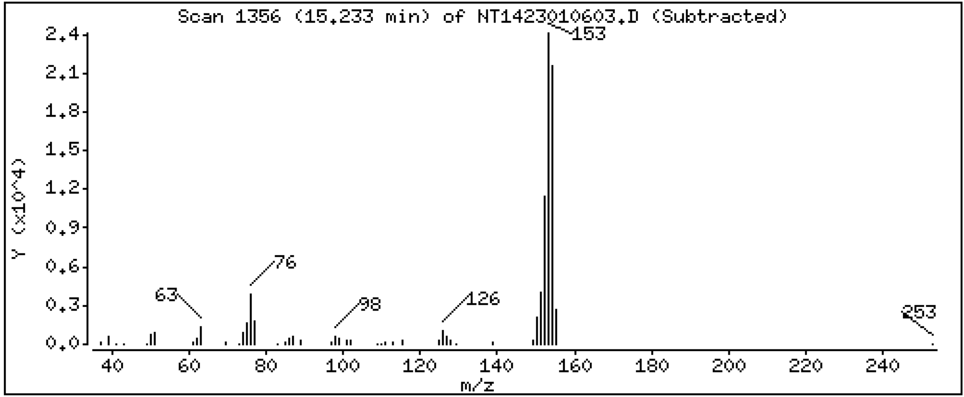
Column phase: ZB-5msi

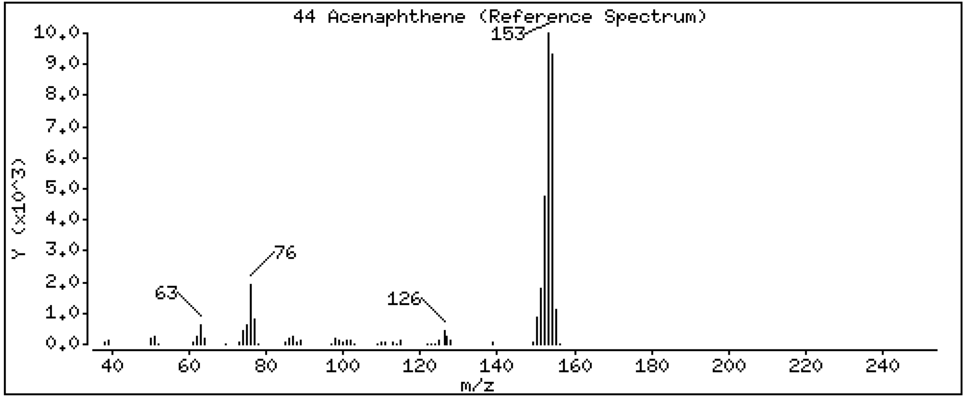
Column diameter: 0.25

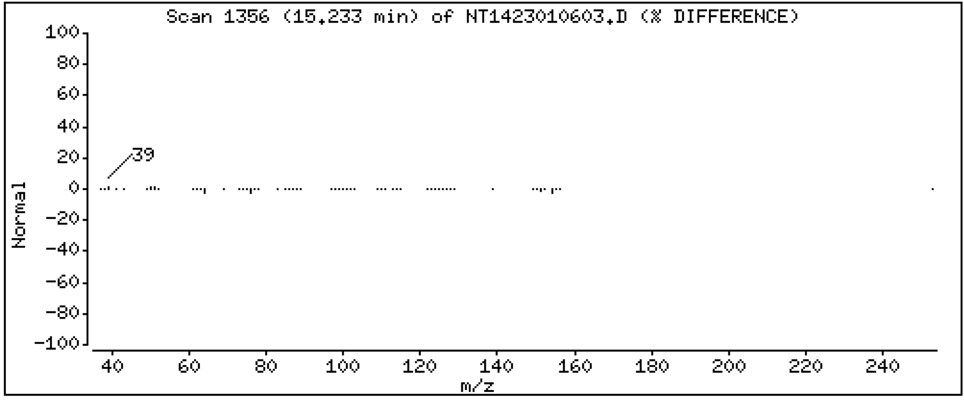
44 Acenaphthene

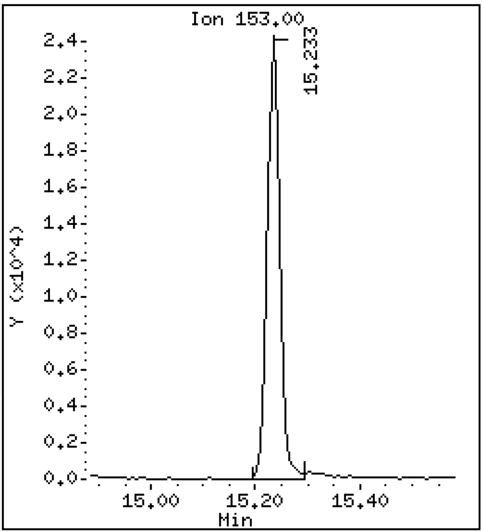
Concentration: 0.4698 ug/mL

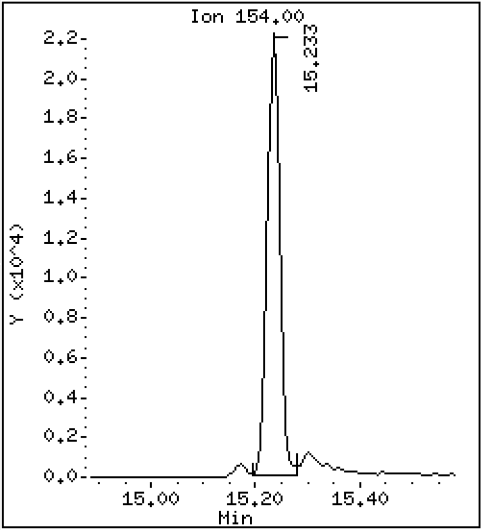

Scan 1356 (15.233 min) of NT1423010603.D

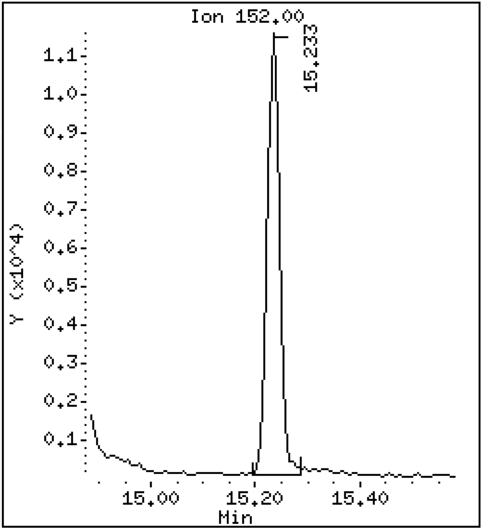

Scan 1356 (15.233 min) of NT1423010603.D (Subtracted)


44 Acenaphthene (Reference Spectrum)


Scan 1356 (15.233 min) of NT1423010603.D (% DIFFERENCE)


Ion 153.00


Ion 154.00


Ion 152.00

Data File: \\target\share\chem3\nt14.i\20230106.b\NT1423010603.D

Date : 06-JAN-2023 12:48

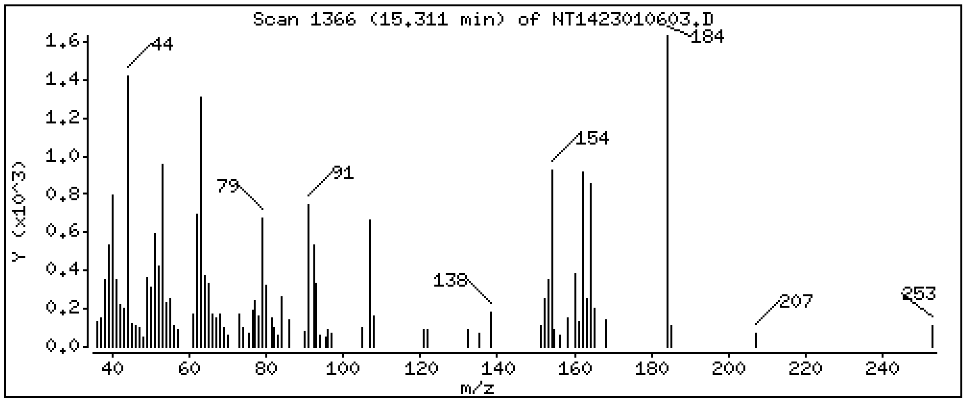
Client ID: Instrument: nt14.i

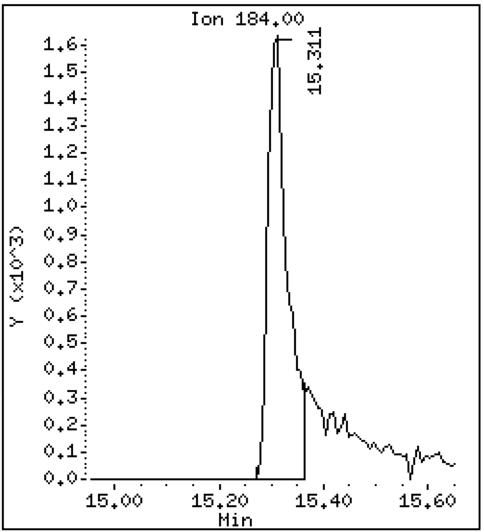
Sample Info: SLA0068-LCV1

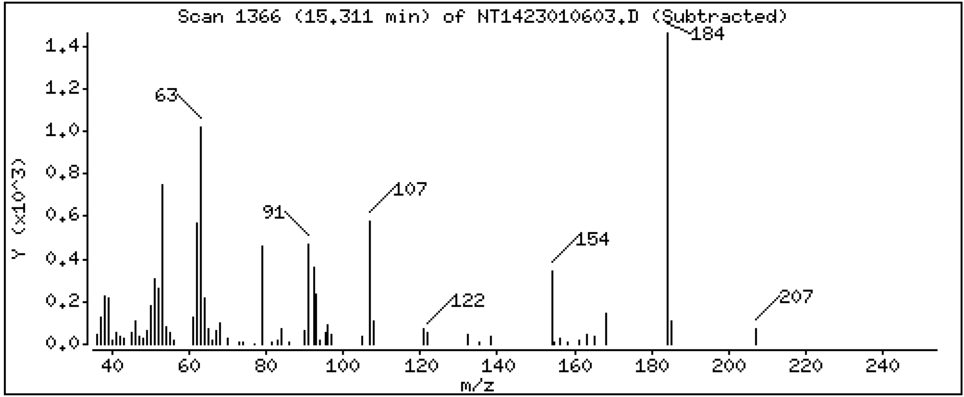
Operator: VTS

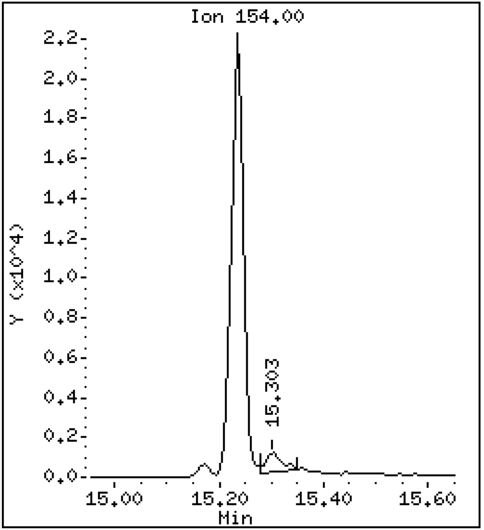
Column phase: ZB-5msi Column diameter: 0.25

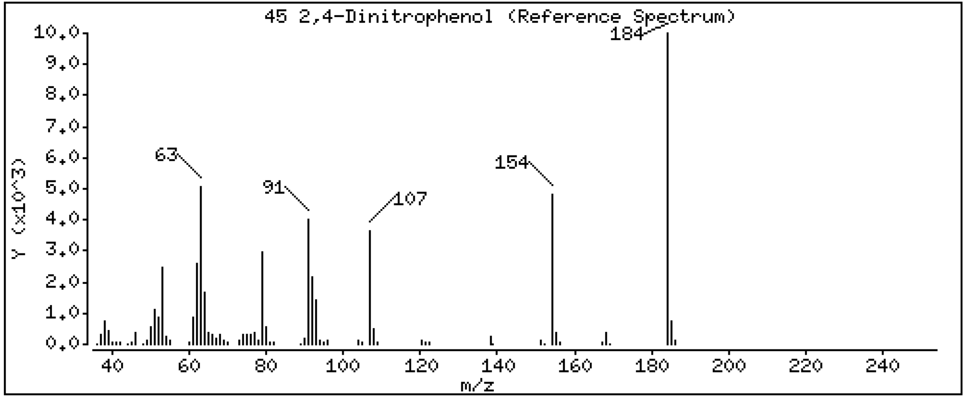
45 2,4-Dinitrophenol Concentration: 0.2574 ug/mL

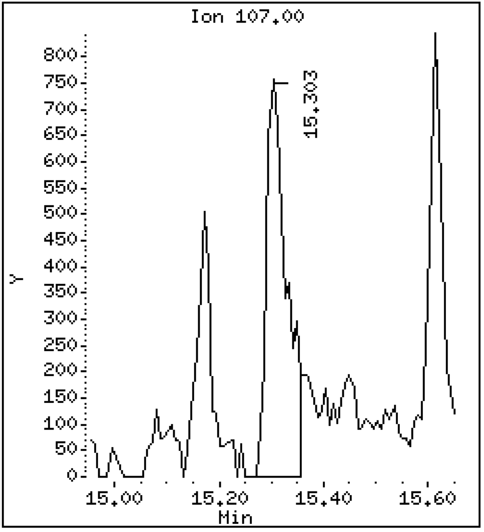


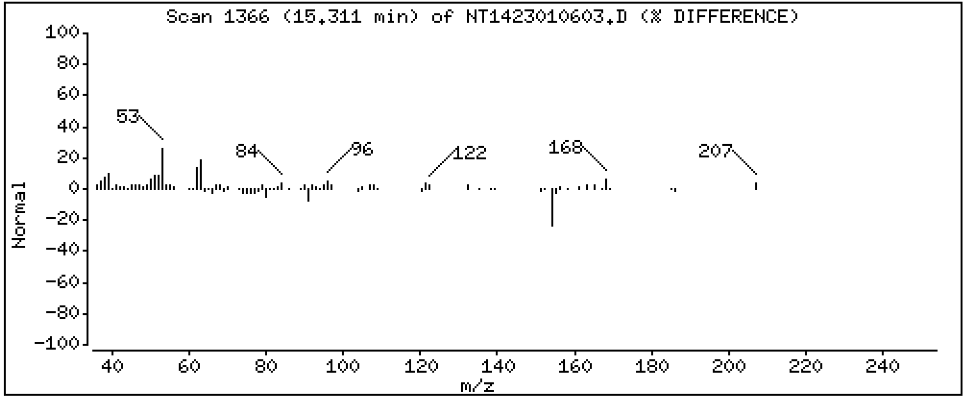












Data File: \\target\share\chem3\nt14.i\20230106.b\NT1423010603.D

Date : 06-JAN-2023 12:48

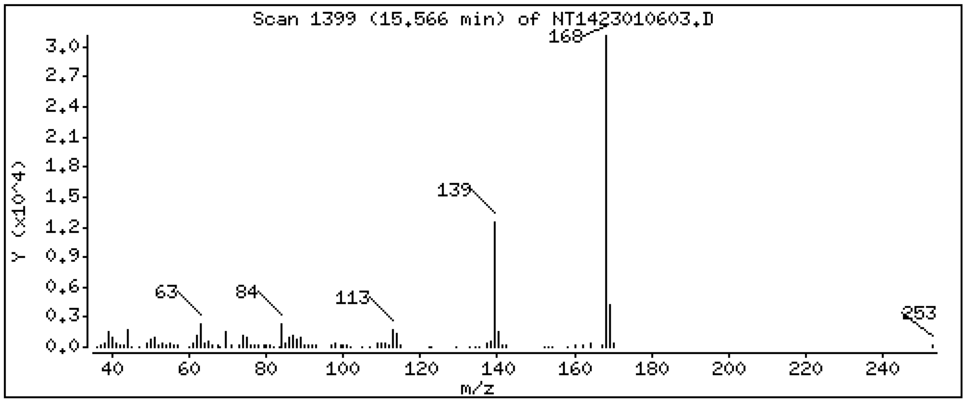
Client ID: Instrument: nt14.i

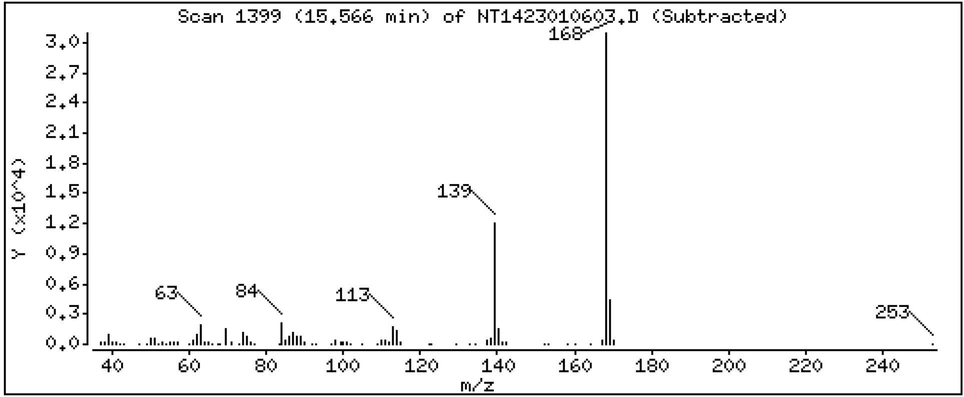
Sample Info: SLA0068-LCV1

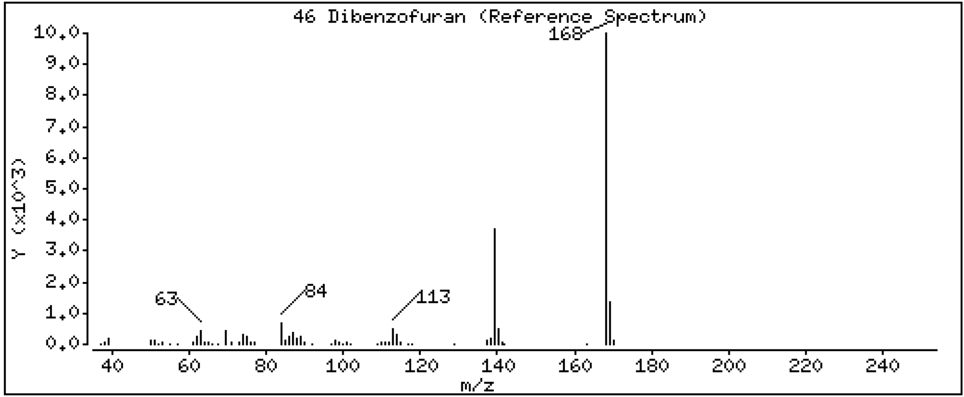
Operator: VTS

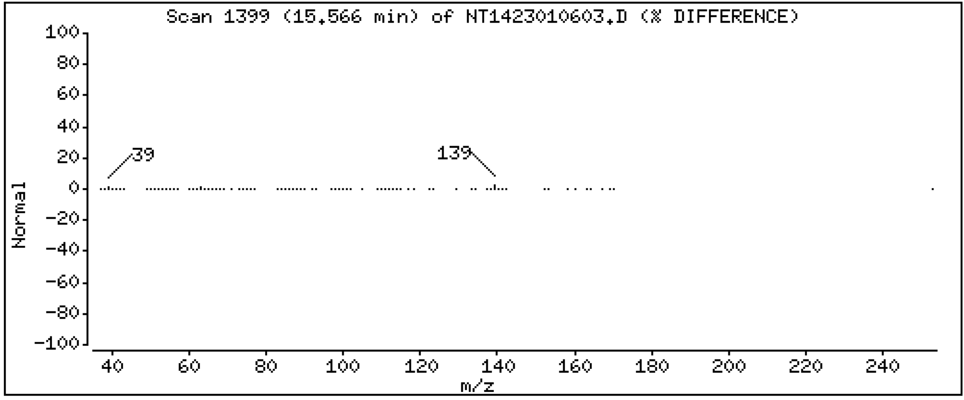
Column phase: ZB-5msi Column diameter: 0.25

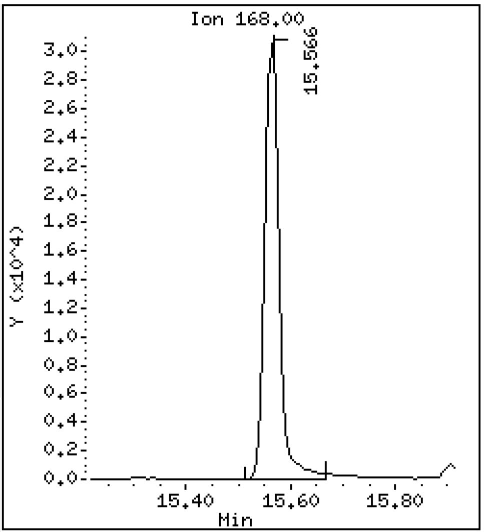
46 Dibenzofuran Concentration: 0.4574 ug/mL

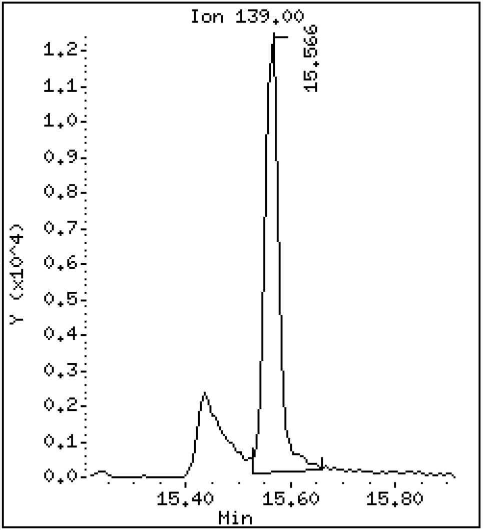

Scan 1399 (15.566 min) of NT1423010603.D

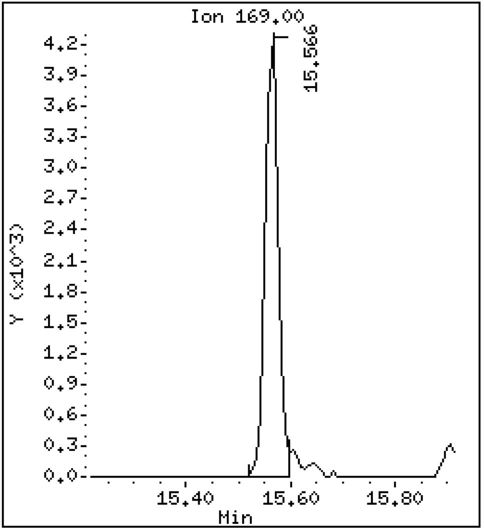

Scan 1399 (15.566 min) of NT1423010603.D (Subtracted)


46 Dibenzofuran (Reference Spectrum)


Scan 1399 (15.566 min) of NT1423010603.D (% DIFFERENCE)


Ion 168.00


Ion 139.00


Ion 169.00

Data File: \\target\share\chem3\nt14.i\20230106.b\NT1423010603.D

Date : 06-JAN-2023 12:48

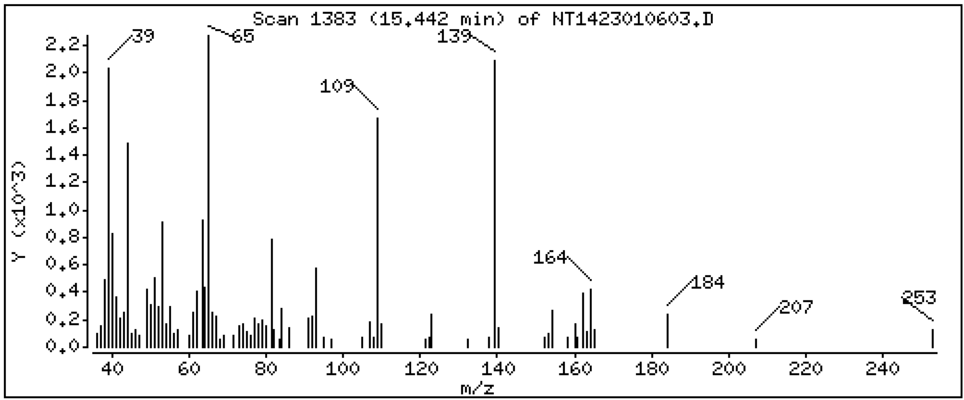
Client ID: Instrument: nt14.i

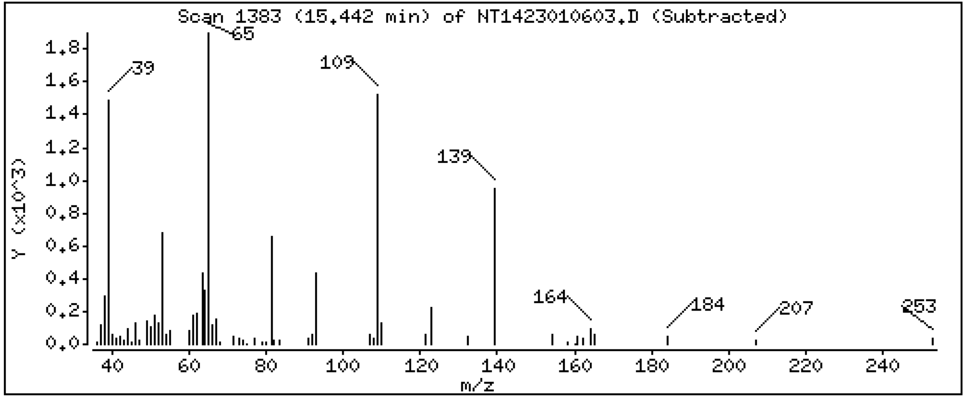
Sample Info: SLA0068-LCV1

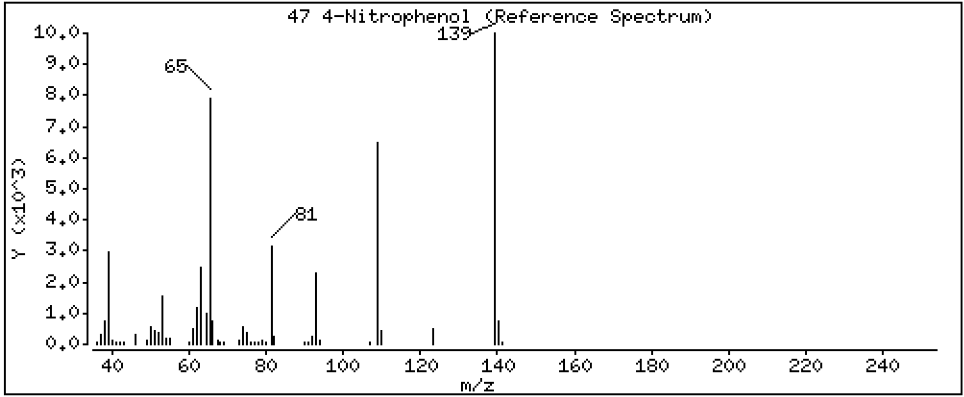
Operator: VTS

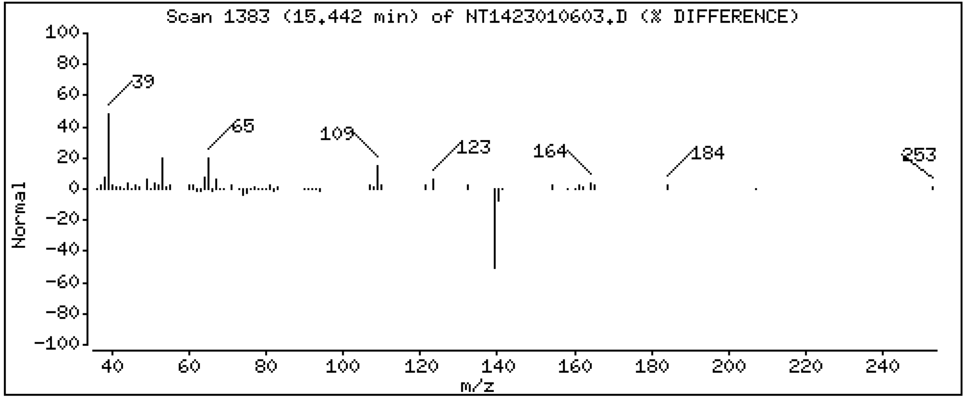
Column phase: ZB-5msi Column diameter: 0.25

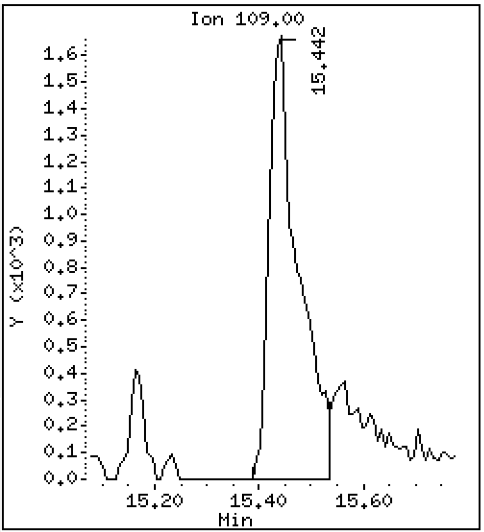
47 4-Nitrophenol Concentration: 0.5797 ug/mL

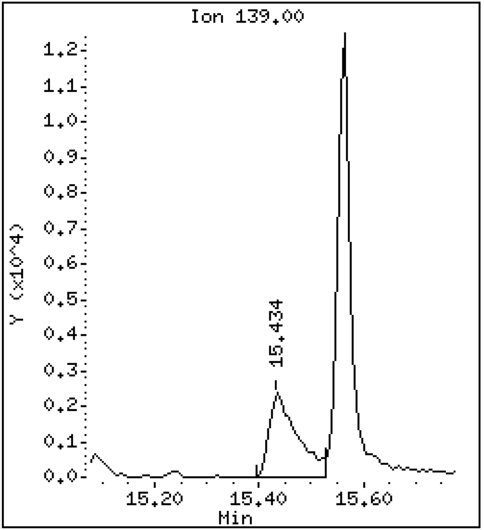

Scan 1383 (15.442 min) of NT1423010603.D

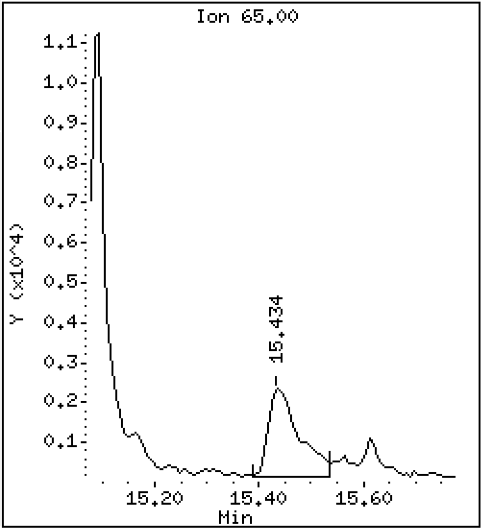

Scan 1383 (15.442 min) of NT1423010603.D (Subtracted)


47 4-Nitrophenol (Reference Spectrum)


Scan 1383 (15.442 min) of NT1423010603.D (% DIFFERENCE)


Ion 109.00


Ion 139.00


Ion 65.00

Data File: \\target\share\chem3\nt14.i\20230106.b\NT1423010603.D

Date : 06-JAN-2023 12:48

Client ID:

Instrument: nt14.i

Sample Info: SLA0068-LCV1

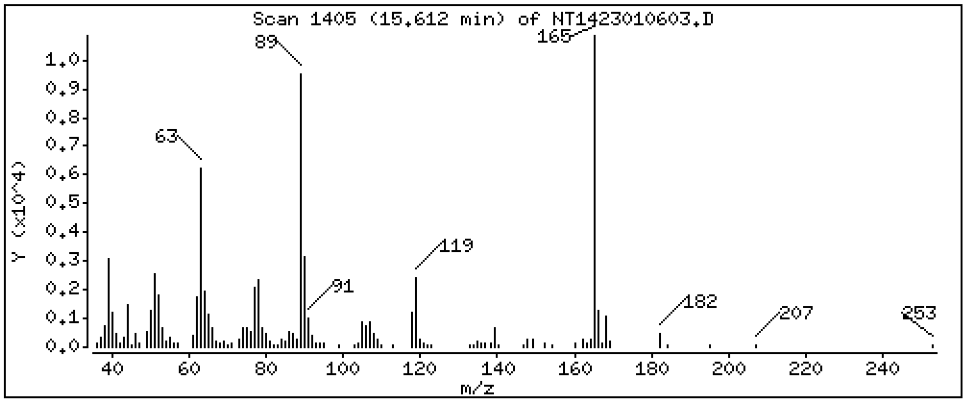
Operator: VTS

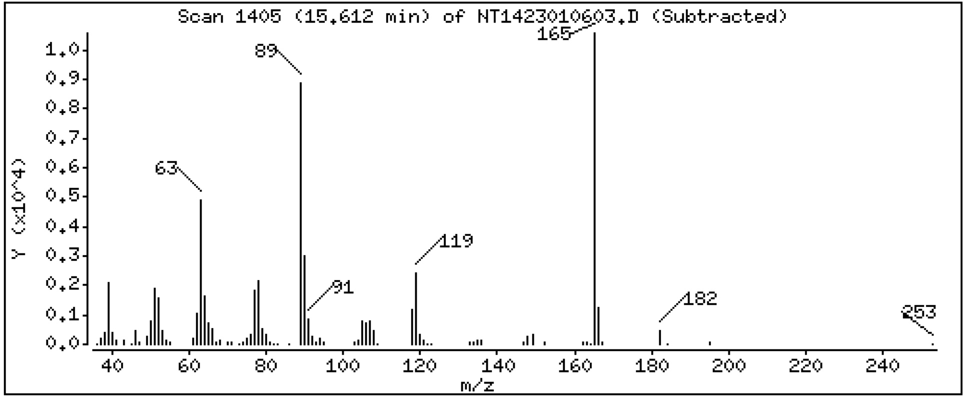
Column phase: ZB-5msi

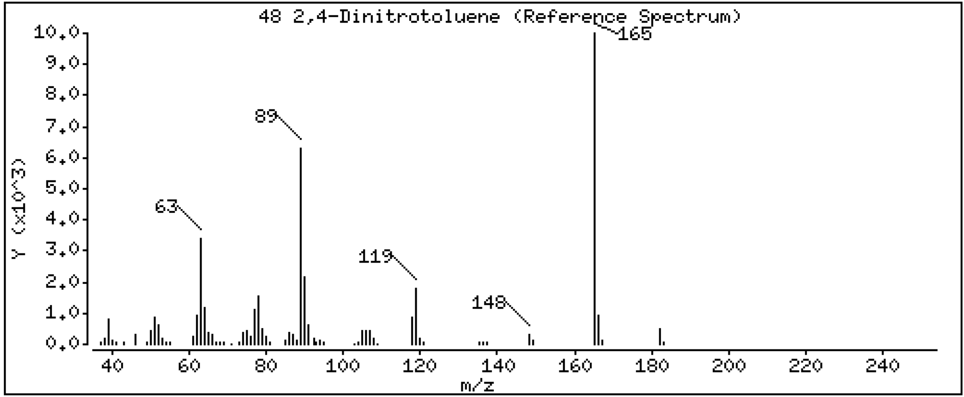
Column diameter: 0.25

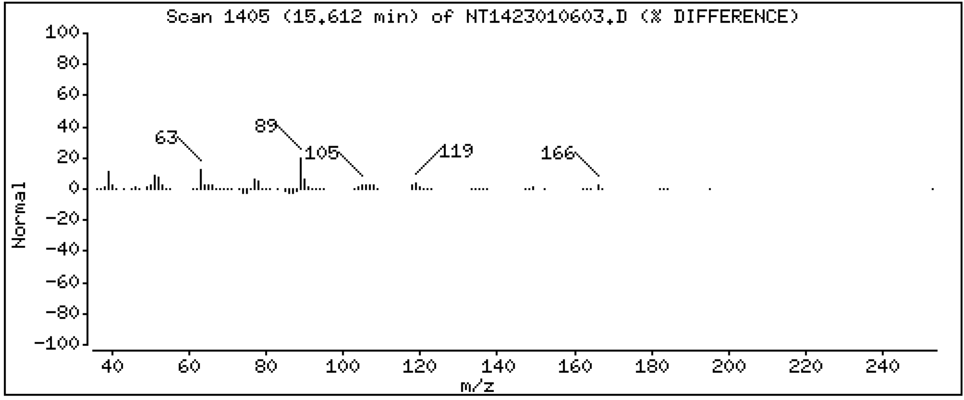
48 2,4-Dinitrotoluene

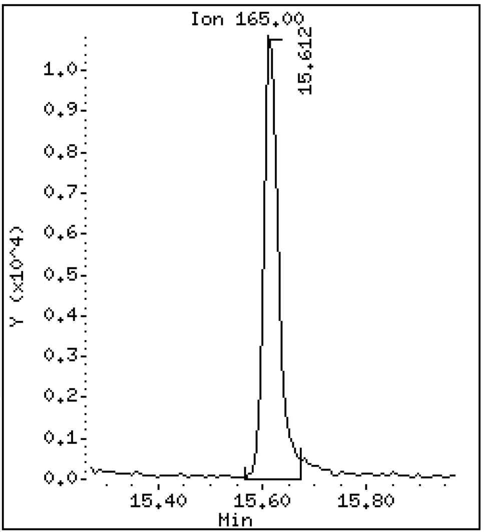
Concentration: 0.7878 ug/mL

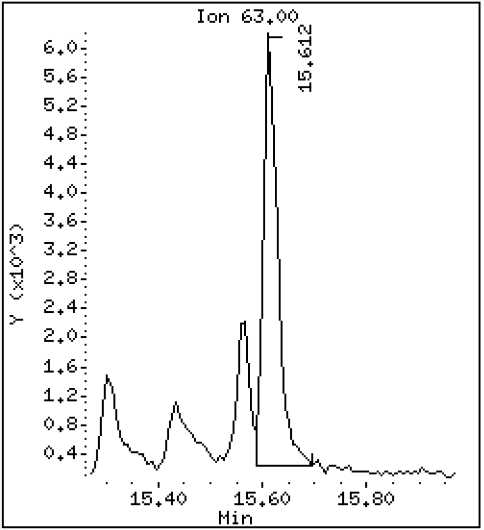


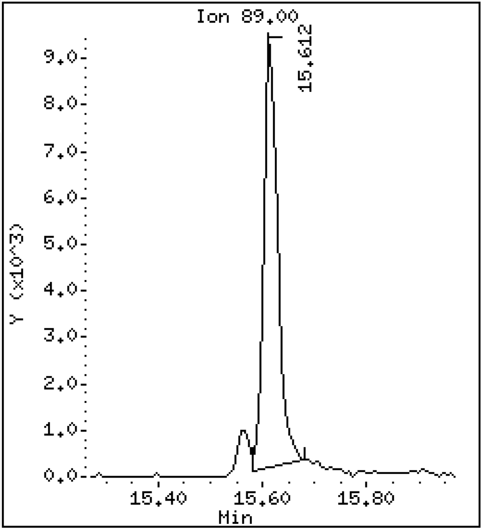












Date : 06-JAN-2023 12:48

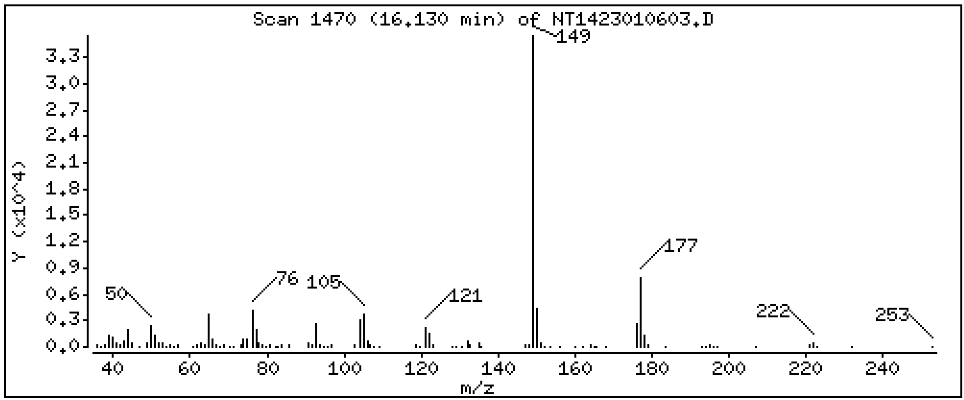
Client ID: Instrument: nt14.i

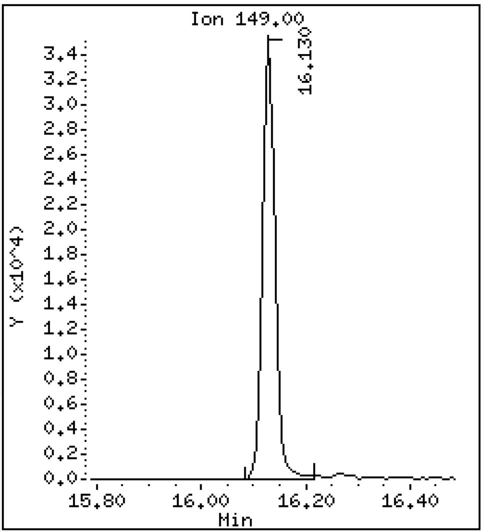
Sample Info: SLA0068-LCV1

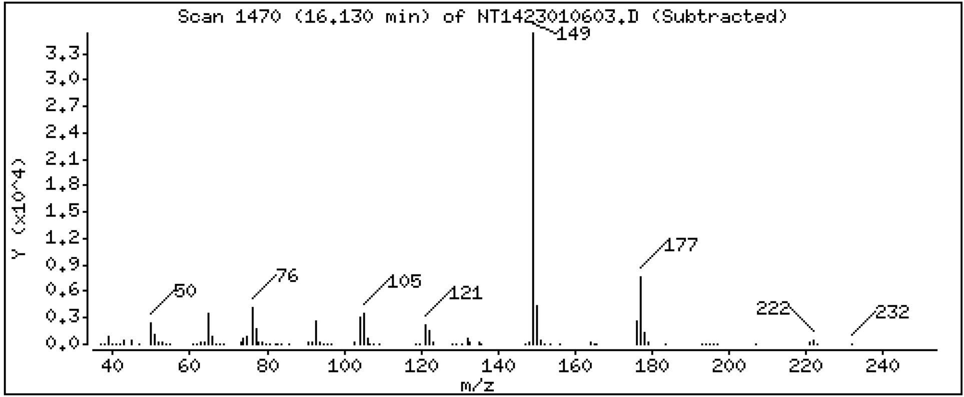
Operator: VTS

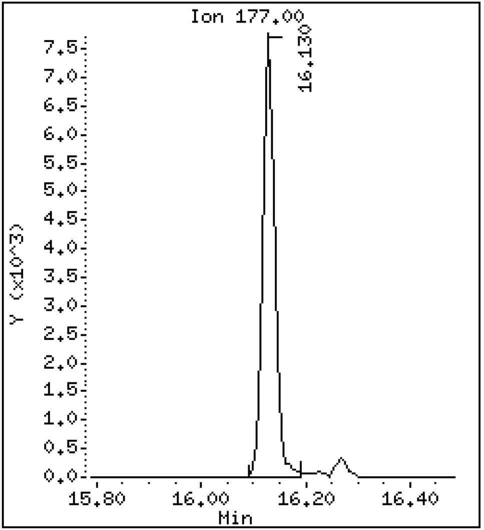
Column phase: ZB-5msi Column diameter: 0.25

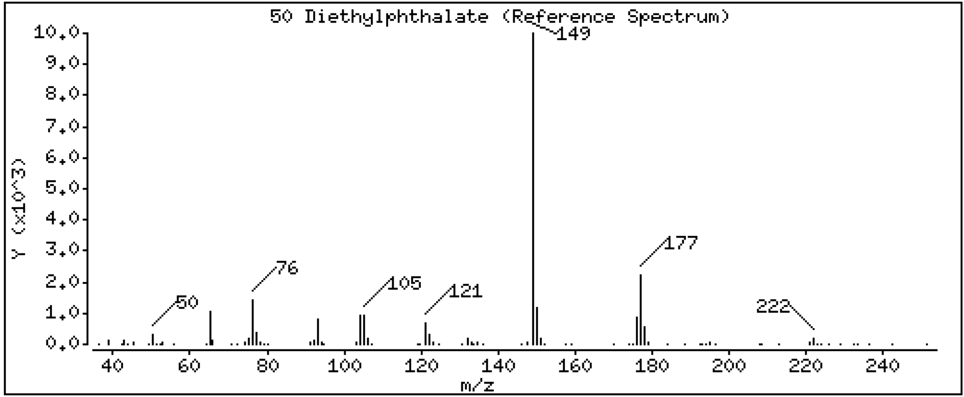
50 Diethylphthalate Concentration: 0.5351 ug/mL

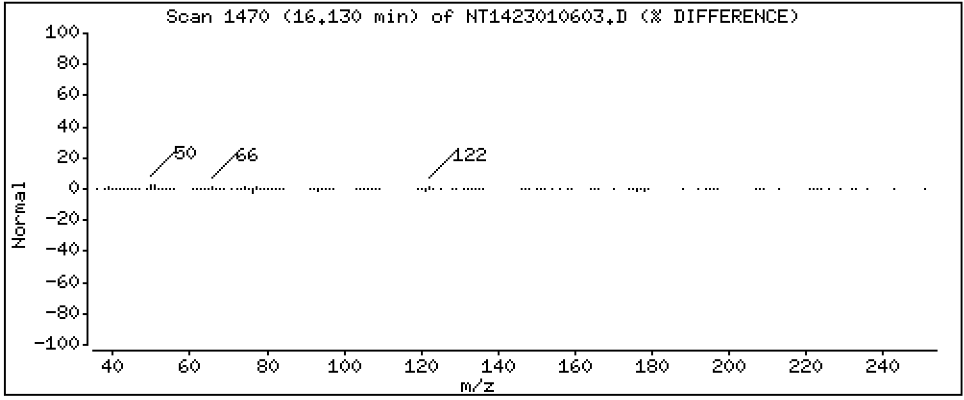


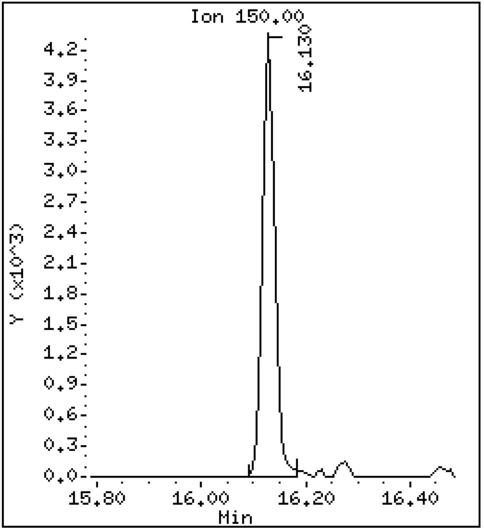












Data File: \\target\share\chem3\nt14.i\20230106.b\NT1423010603.D

Date : 06-JAN-2023 12:48

Client ID:

Instrument: nt14.i

Sample Info: SLA0068-LCV1

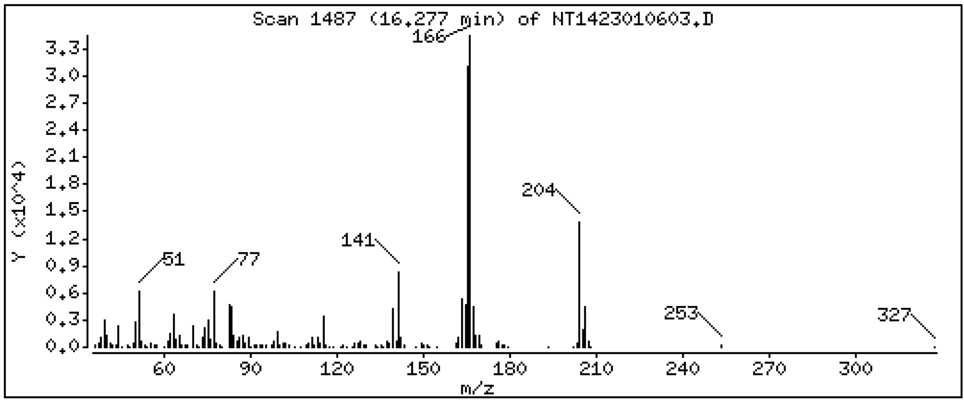
Operator: VTS

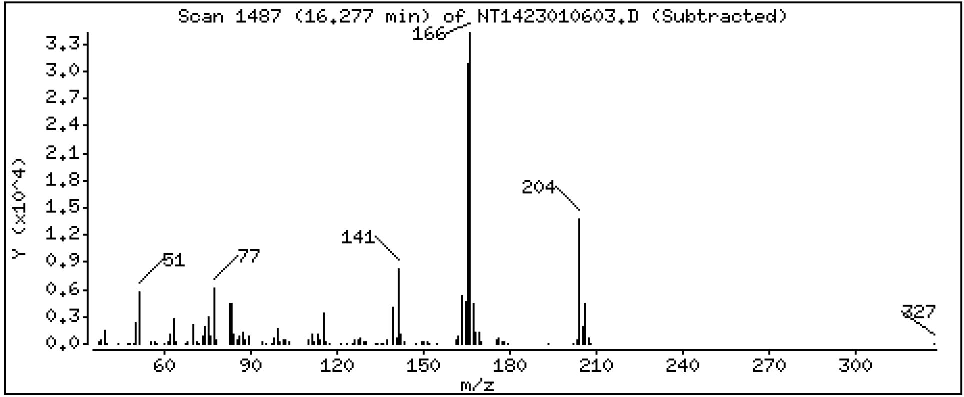
Column phase: ZB-5msi

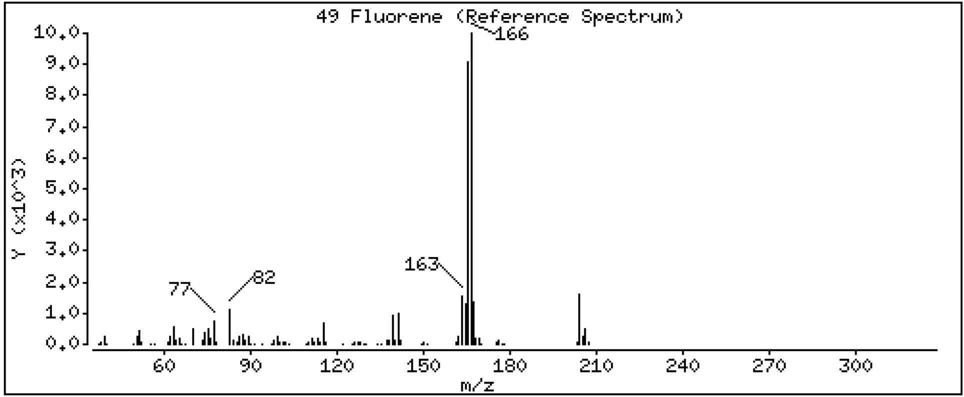
Column diameter: 0.25

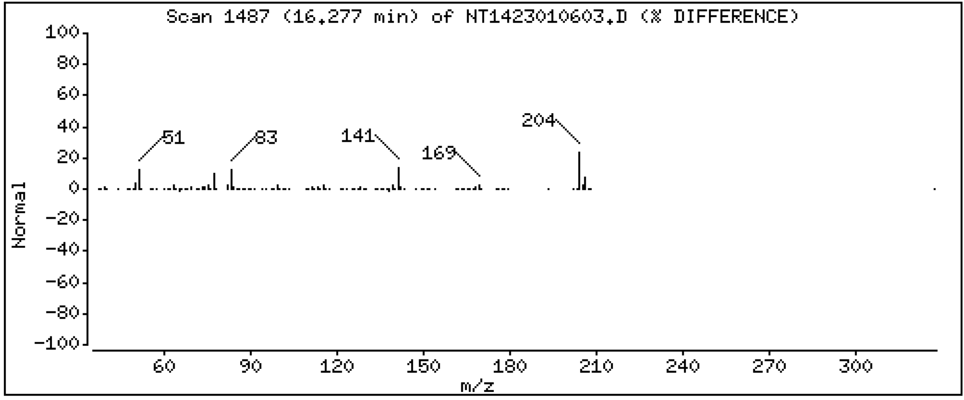
49 Fluorene

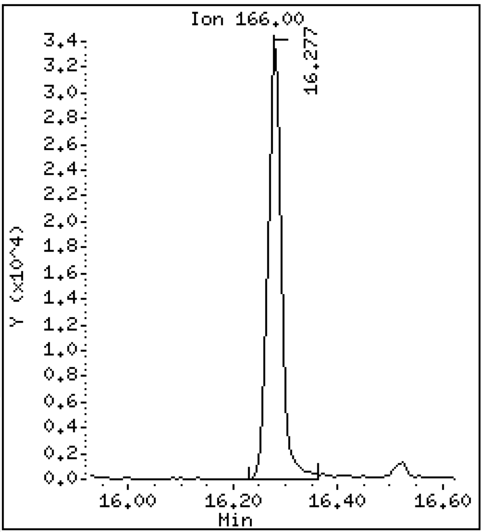
Concentration: 0.4623 ug/mL

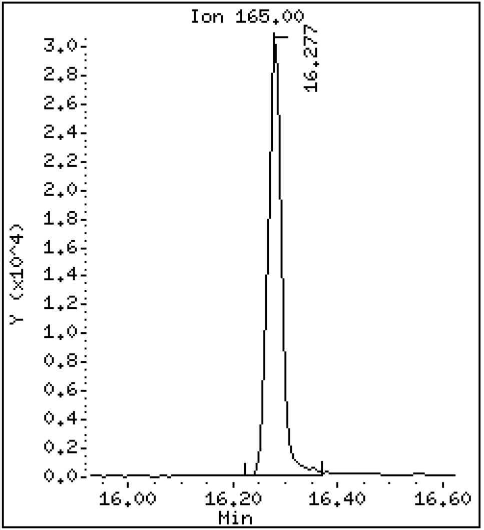

Scan 1487 (16.277 min) of NT1423010603.D

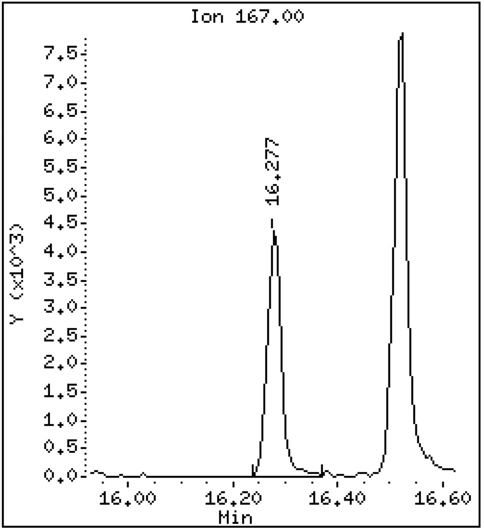

Scan 1487 (16.277 min) of NT1423010603.D (Subtracted)


49 Fluorene (Reference Spectrum)


Scan 1487 (16.277 min) of NT1423010603.D (% DIFFERENCE)


Ion 166.00


Ion 165.00


Ion 167.00

Data File: \\target\share\chem3\nt14.i\20230106.b\NT1423010603.D

Date : 06-JAN-2023 12:48

Client ID:

Instrument: nt14.i

Sample Info: SLA0068-LCV1

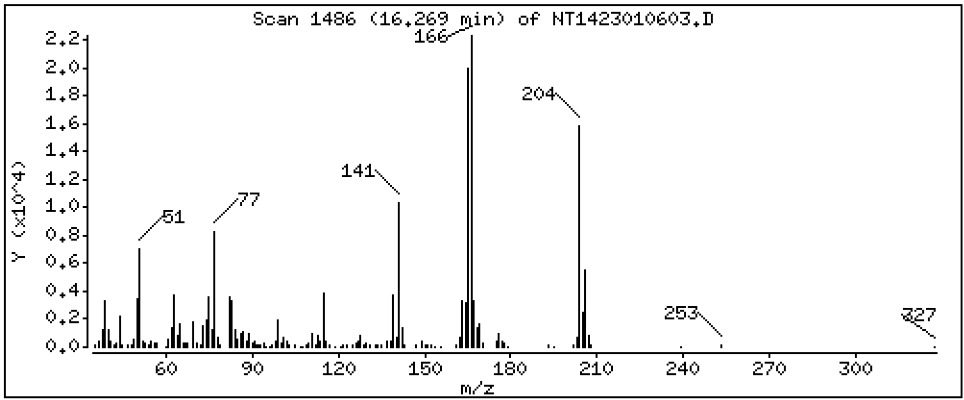
Operator: VTS

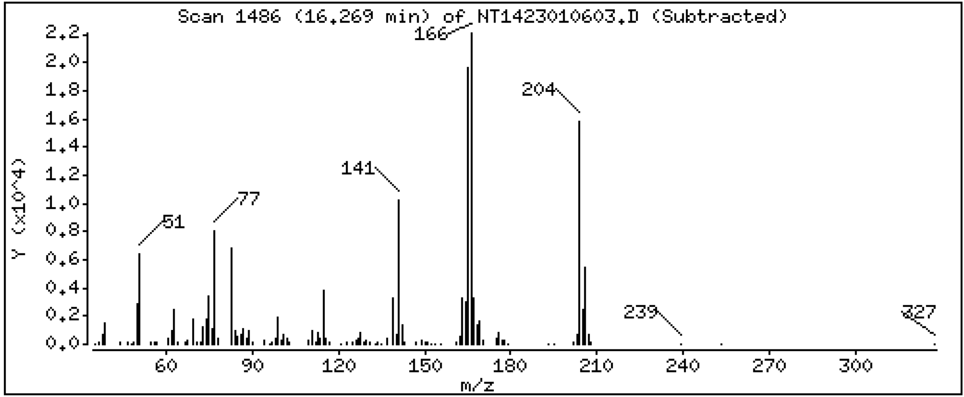
Column phase: ZB-5msi

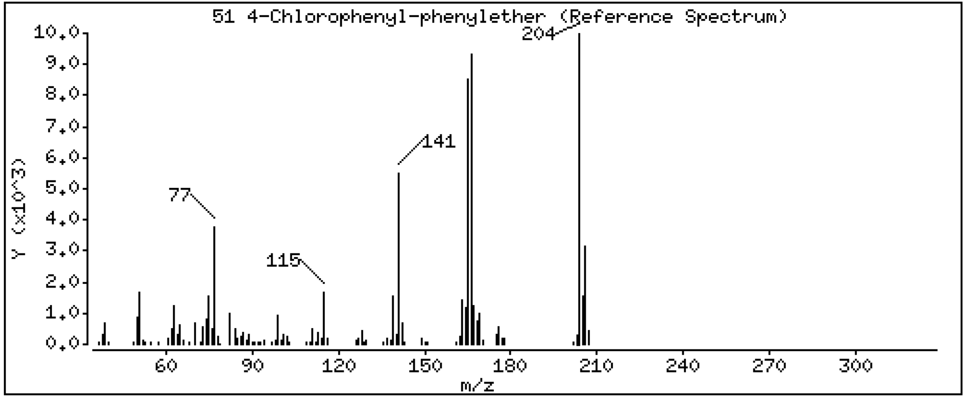
Column diameter: 0.25

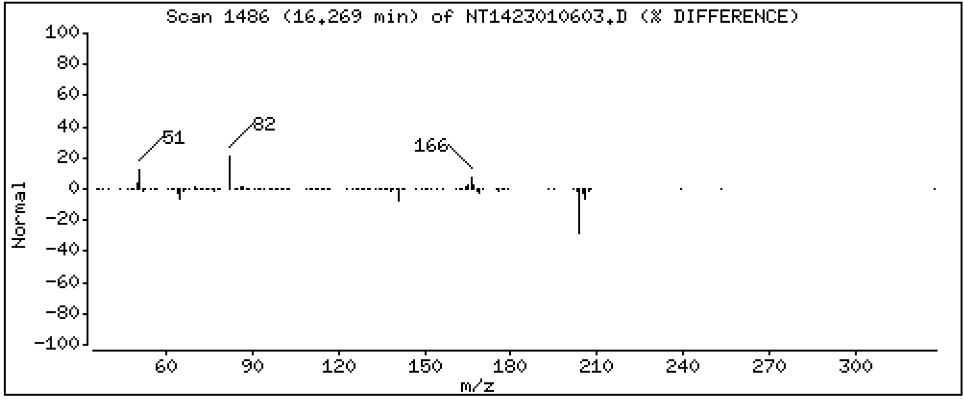
51 4-Chlorophenyl-phenylether

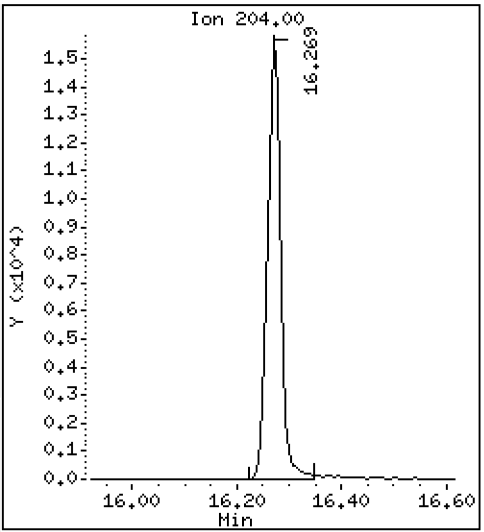
Concentration: 0.4223 ug/mL


Scan 1486 (16.269 min) of NT1423010603.D


Scan 1486 (16.269 min) of NT1423010603.D (Subtracted)


51 4-Chlorophenyl-phenylether (Reference Spectrum)


Scan 1486 (16.269 min) of NT1423010603.D (% DIFFERENCE)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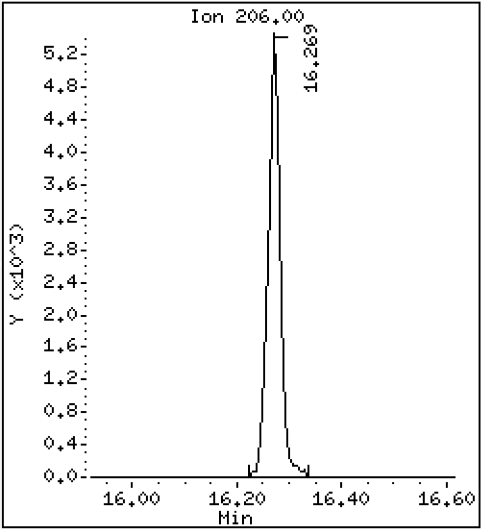
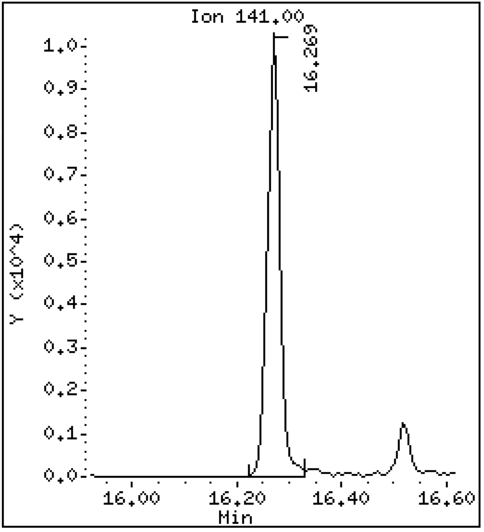

Ion 206.00


Ion 141.00

Data File: \\target\share\chem3\nt14.i\20230106.b\NT1423010603.D

Date : 06-JAN-2023 12:48

Client ID:

Instrument: nt14.i

Sample Info: SLA0068-LCV1

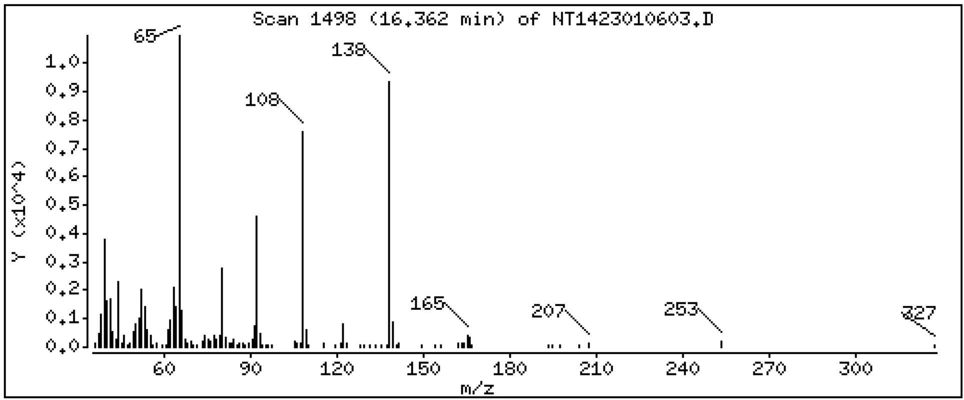
Operator: VTS

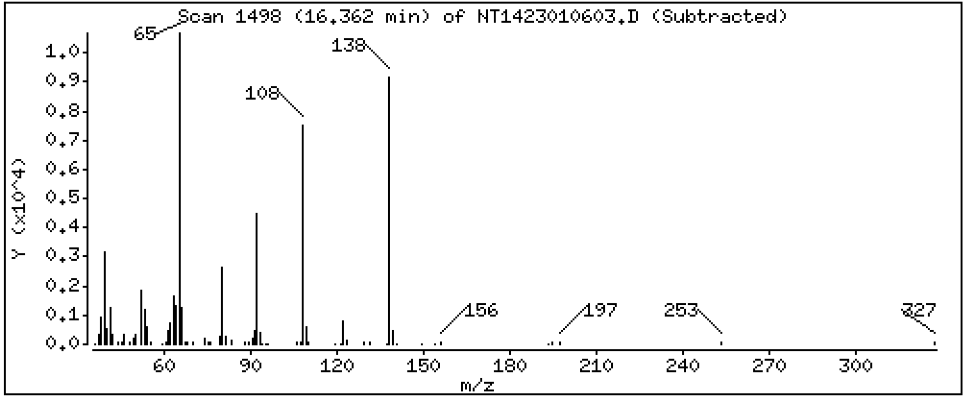
Column phase: ZB-5msi

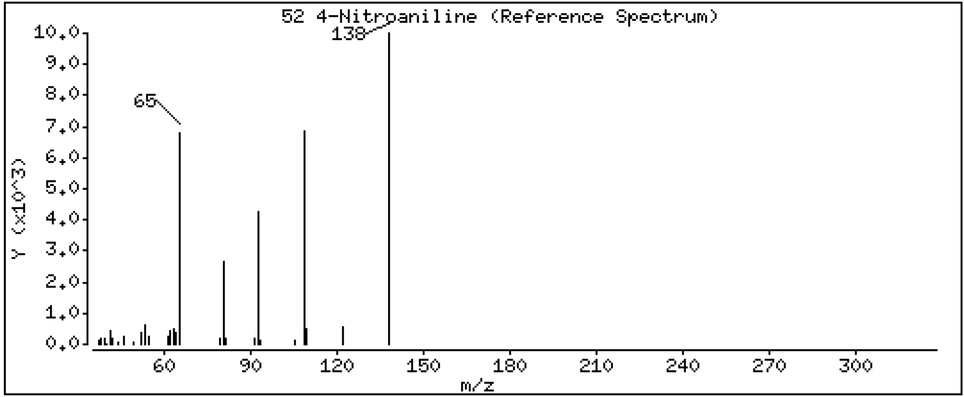
Column diameter: 0.25

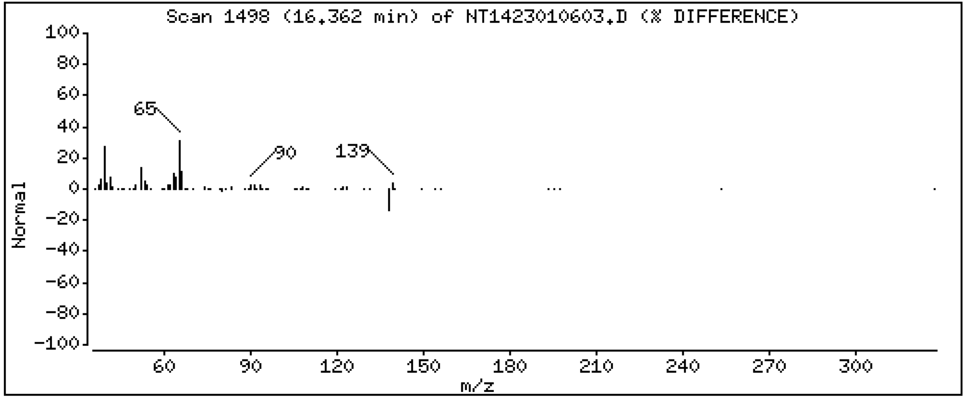
52 4-Nitroaniline

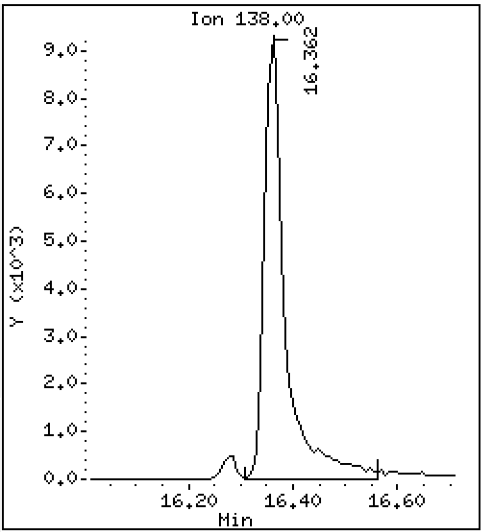
Concentration: 0.8951 ug/mL

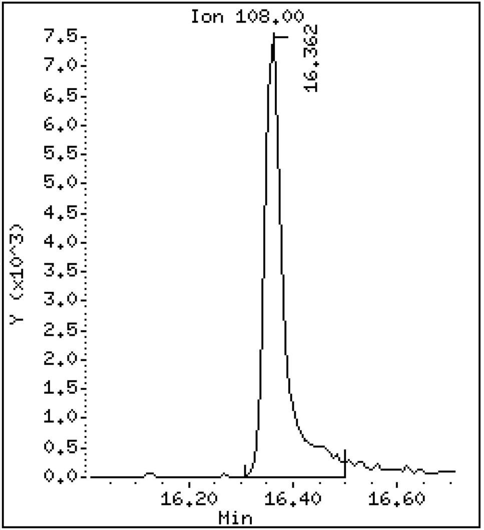

Scan 1498 (16.362 min) of NT1423010603.D

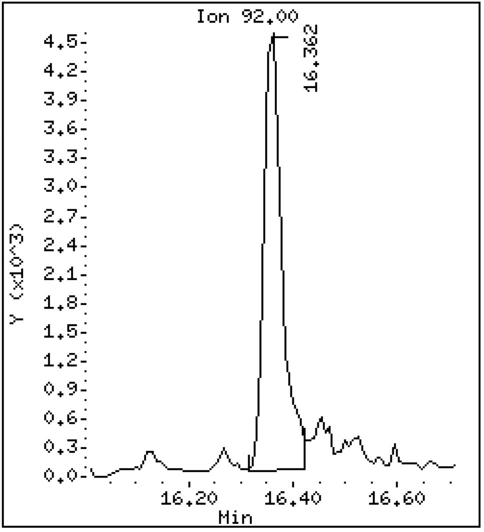

Scan 1498 (16.362 min) of NT1423010603.D (Subtracted)


52 4-Nitroaniline (Reference Spectrum)


Scan 1498 (16.362 min) of NT1423010603.D (% DIFFERENCE)


Ion 138.00


Ion 108.00


Ion 92.00

Data File: \\target\share\chem3\nt14.i\20230106.b\NT1423010603.D

Date : 06-JAN-2023 12:48

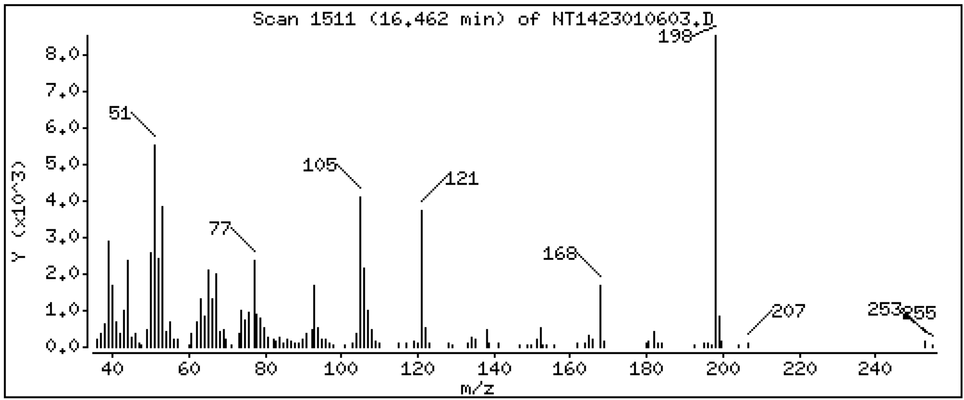
Client ID: Instrument: nt14.i

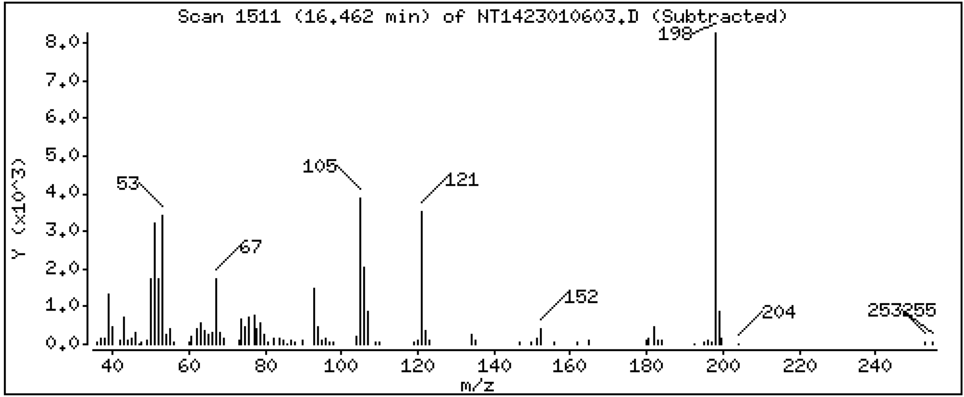
Sample Info: SLA0068-LCV1

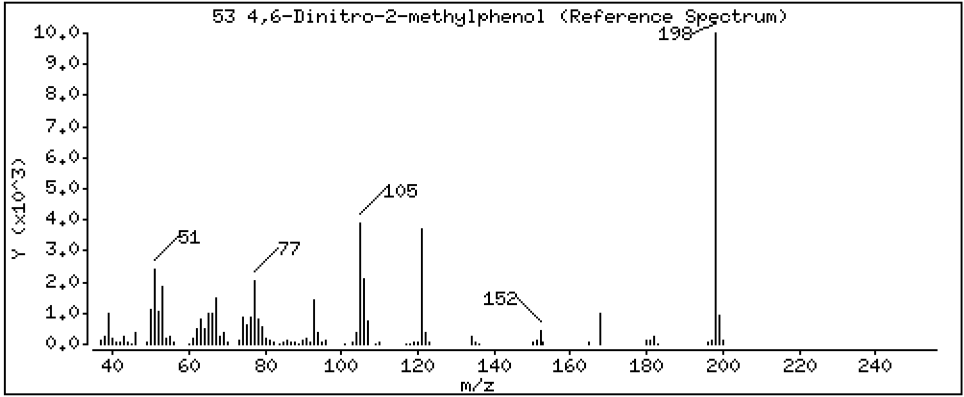
Operator: VTS

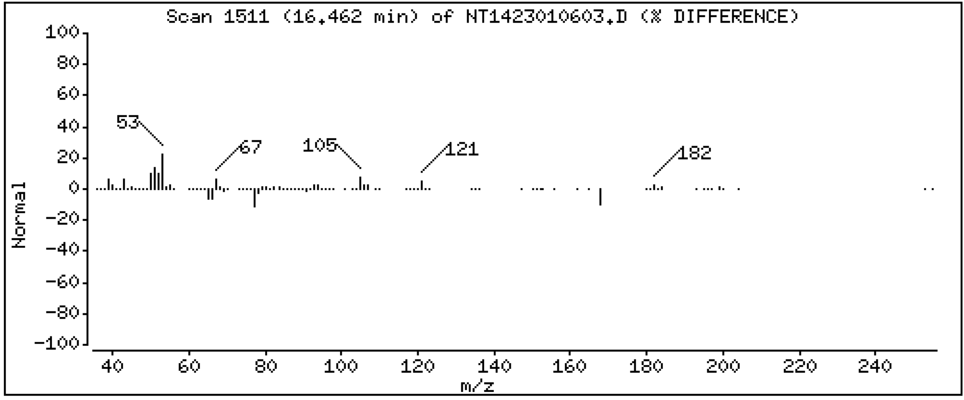
Column phase: ZB-5msi Column diameter: 0.25

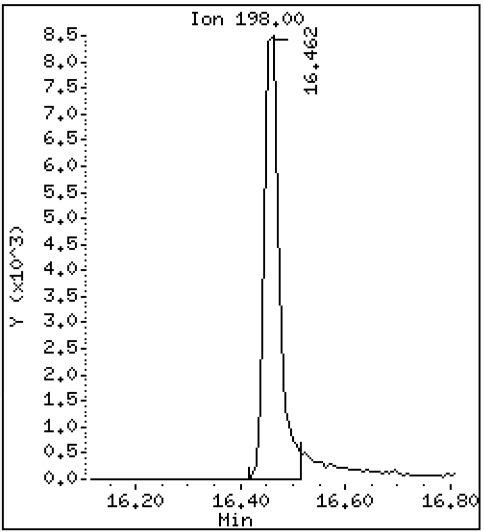
53 4,6-Dinitro-2-methylphenol Concentration: 0.7687 ug/mL

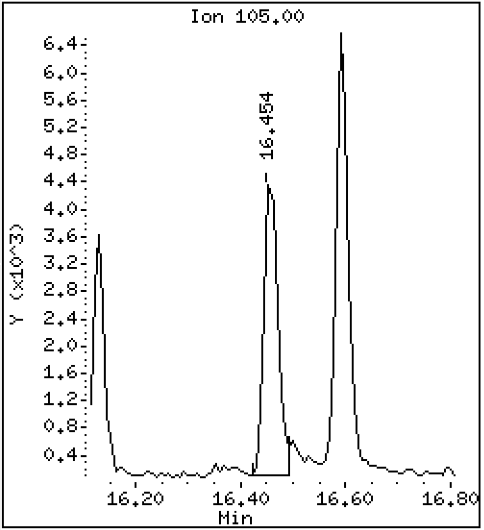

Scan 1511 (16.462 min) of NT1423010603.D

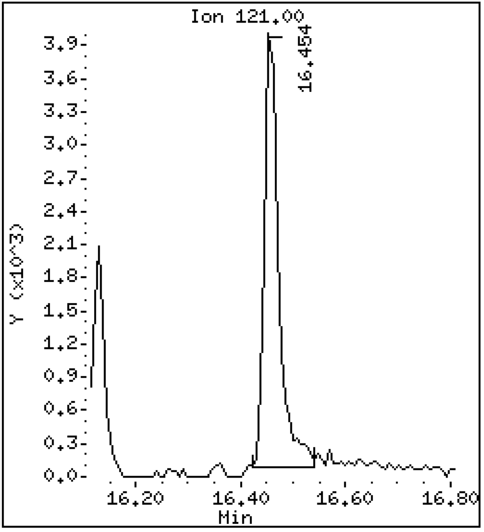

Scan 1511 (16.462 min) of NT1423010603.D (Subtracted)


53 4,6-Dinitro-2-methylphenol (Reference Spectrum)


Scan 1511 (16.462 min) of NT1423010603.D (% DIFFERENCE)


Ion 198.00


Ion 105.00


Ion 121.00

Data File: \\target\share\chem3\nt14.i\20230106.b\NT1423010603.D

Date : 06-JAN-2023 12:48

Client ID:

Instrument: nt14.i

Sample Info: SLA0068-LCV1

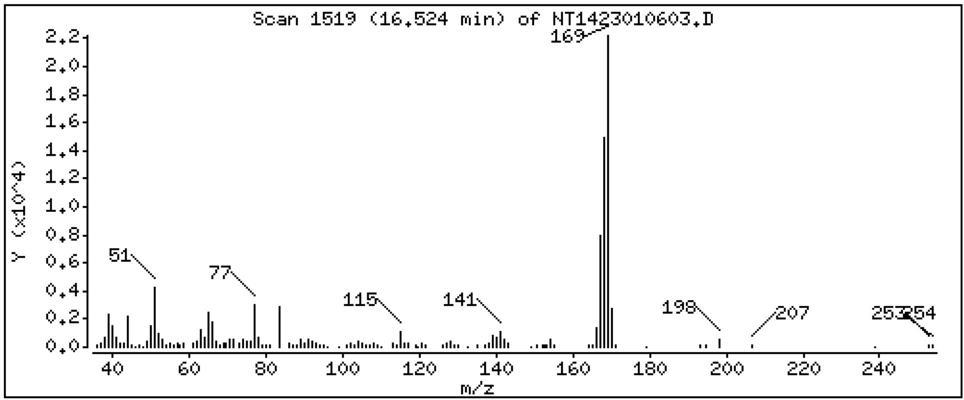
Operator: VTS

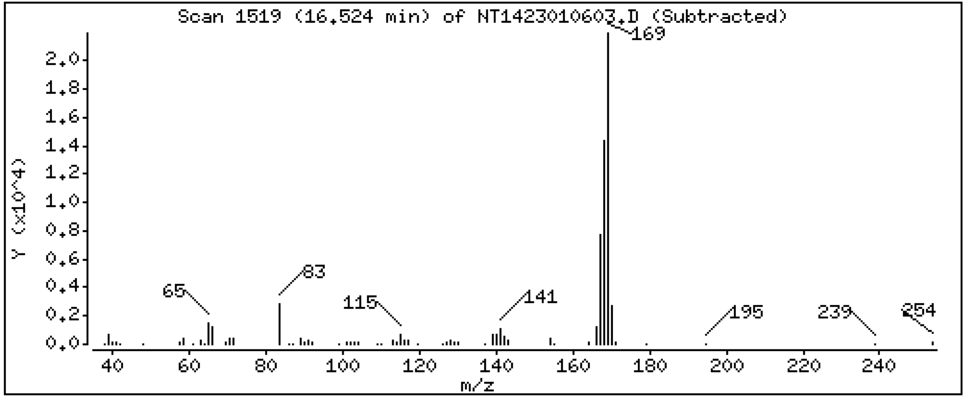
Column phase: ZB-5msi

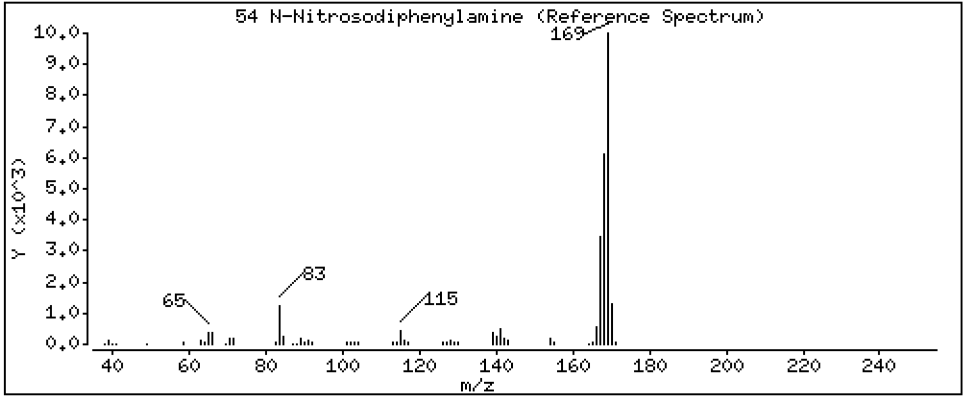
Column diameter: 0.25

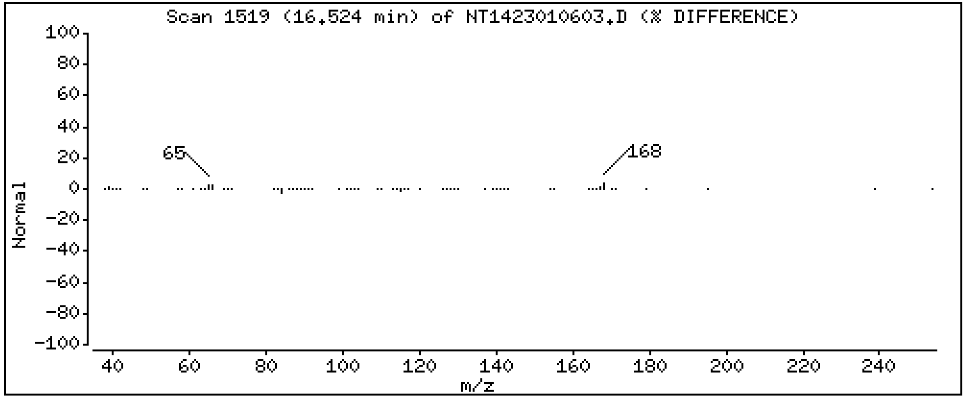
54 N-Nitrosodiphenylamine

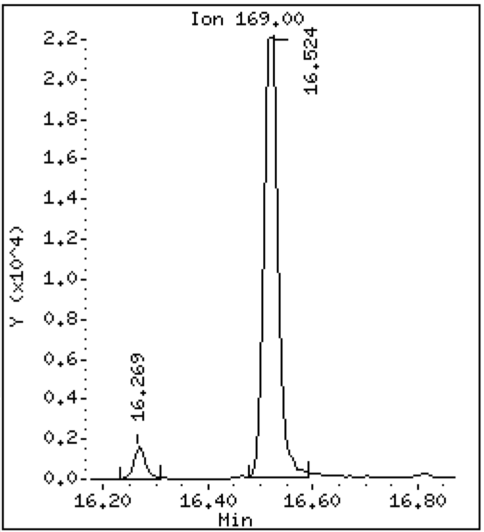
Concentration: 0.4513 ug/mL

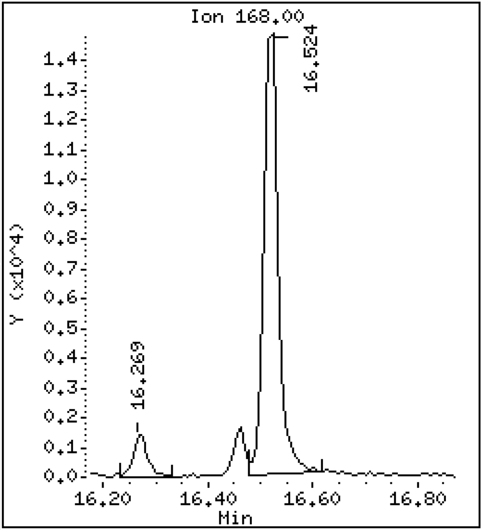

Scan 1519 (16.524 min) of NT1423010603.D


Scan 1519 (16.524 min) of NT1423010603.D (Subtracted)


54 N-Nitrosodiphenylamine (Reference Spectrum)


Scan 1519 (16.524 min) of NT1423010603.D (% DIFFERENCE)


Ion 169.00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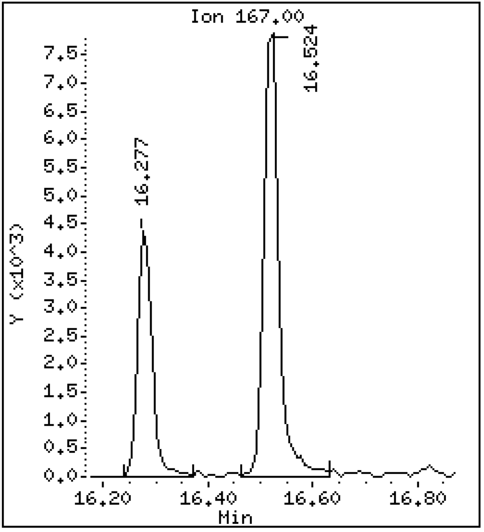

Ion 167.00

Data File: \\target\share\chem3\nt14.i\20230106.b\NT1423010603.D

Date : 06-JAN-2023 12:48

Client ID:

Instrument: nt14.i

Sample Info: SLA0068-LCV1

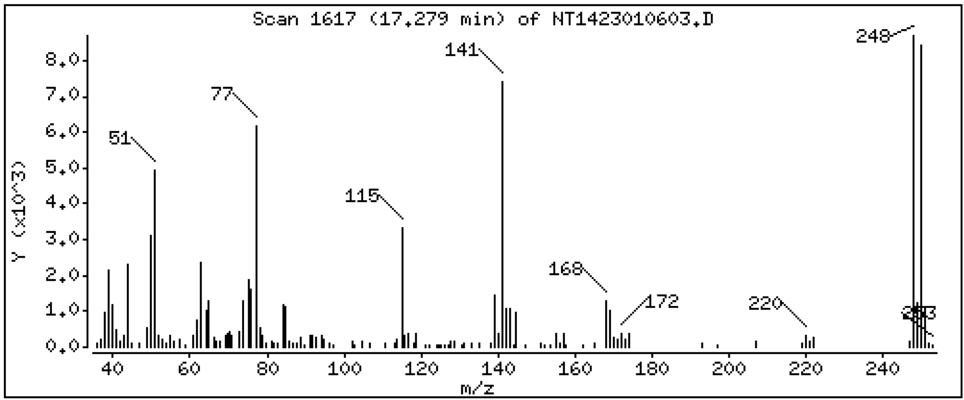
Operator: VTS

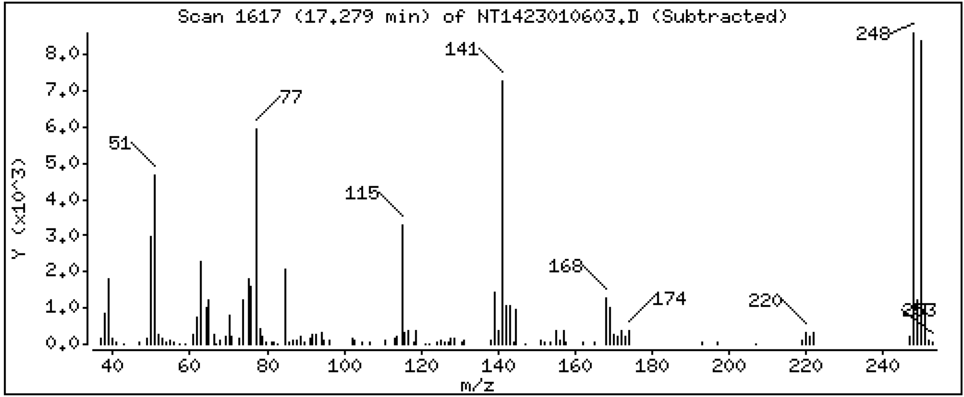
Column phase: ZB-5msi

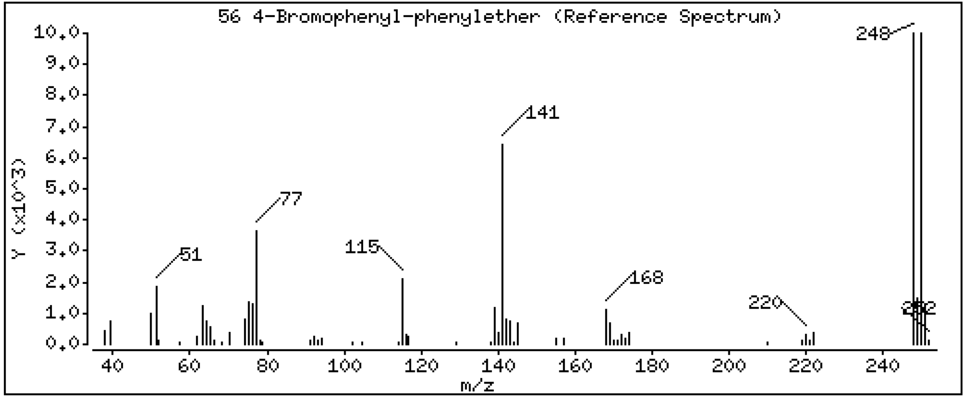
Column diameter: 0.25

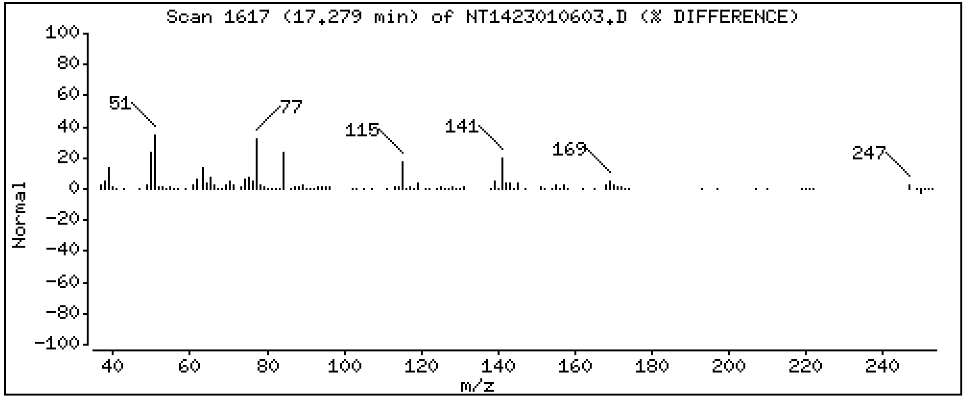
56 4-Bromophenyl-phenylether

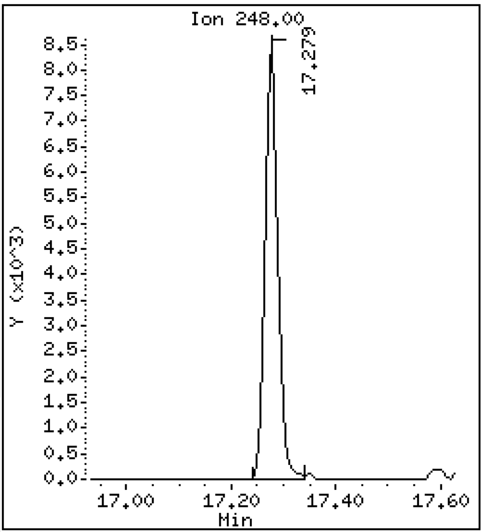
Concentration: 0.4297 ug/mL

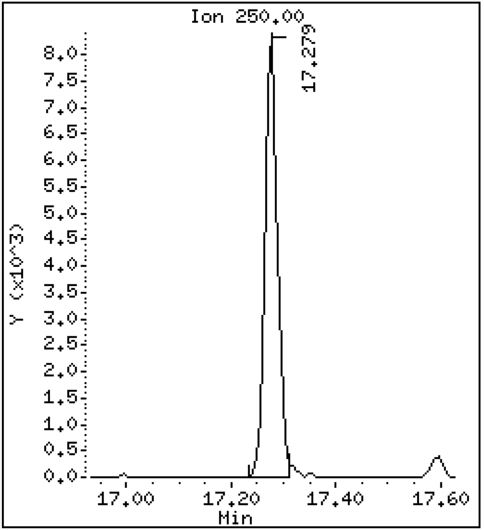

Scan 1617 (17.279 min) of NT1423010603.D

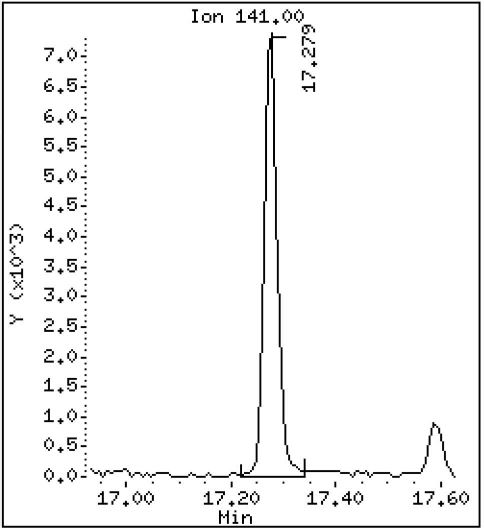

Scan 1617 (17.279 min) of NT1423010603.D (Subtracted)


56 4-Bromophenyl-phenylether (Reference Spectrum)


Scan 1617 (17.279 min) of NT1423010603.D (% DIFFERENCE)


Ion 248.00


Ion 250.00


Ion 141.00

Data File: \\target\share\chem3\nt14.i\20230106.b\NT1423010603.D

Date : 06-JAN-2023 12:48

Client ID:

Instrument: nt14.i

Sample Info: SLA0068-LCV1

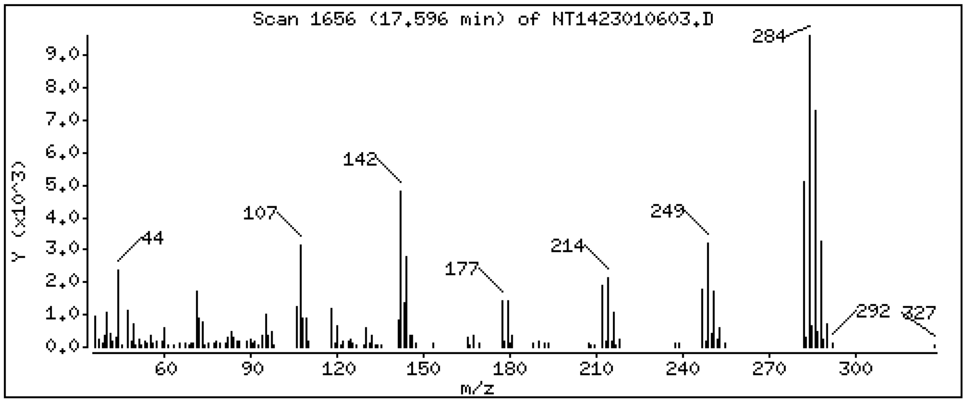
Operator: VTS

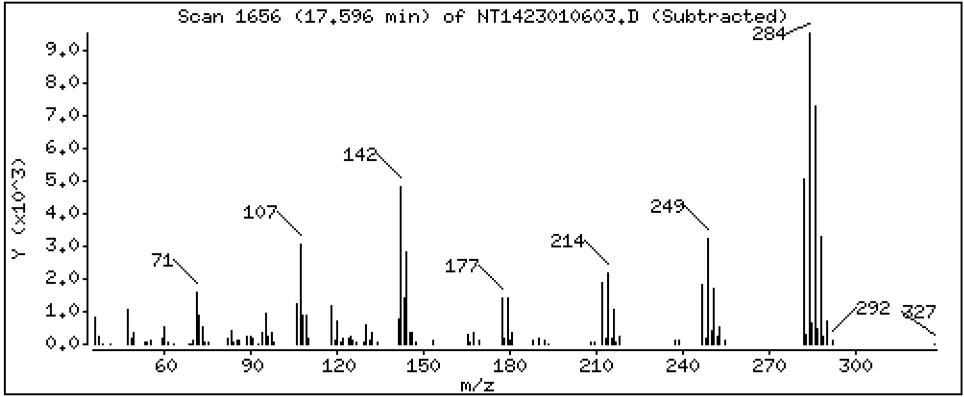
Column phase: ZB-5msi

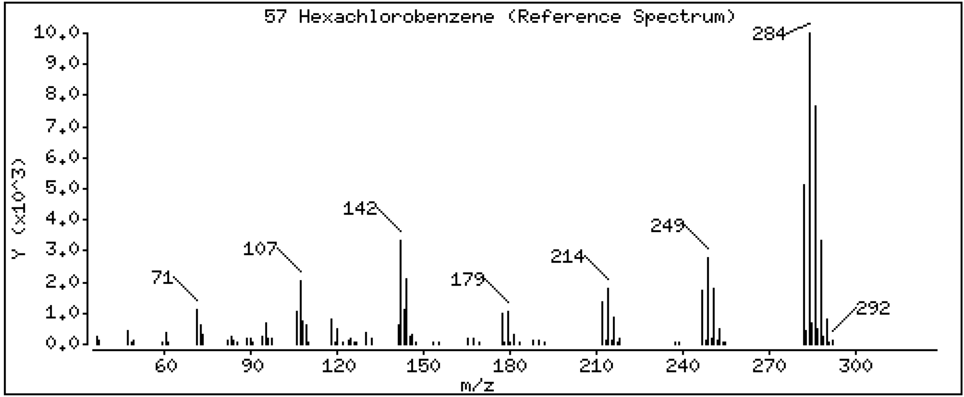
Column diameter: 0.25

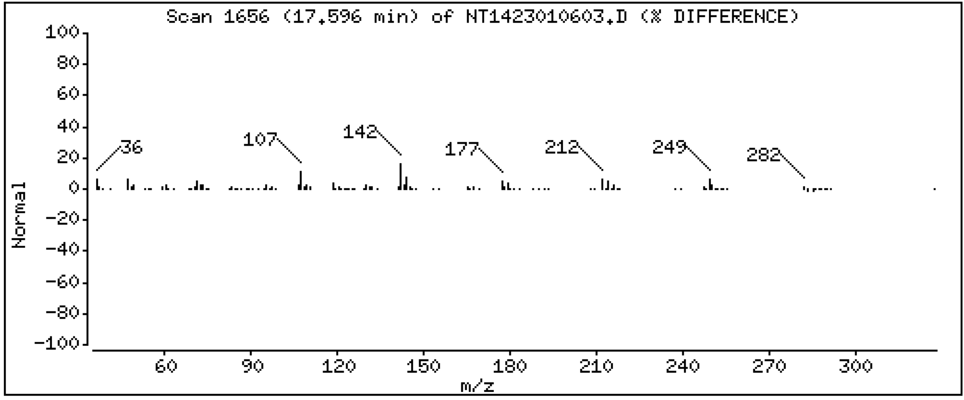
57 Hexachlorobenzene

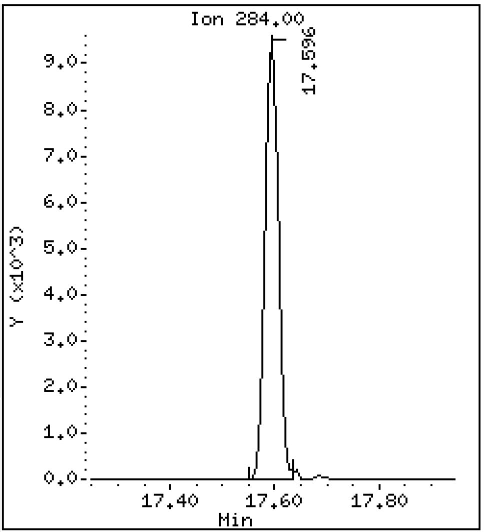
Concentration: 0.4433 ug/mL

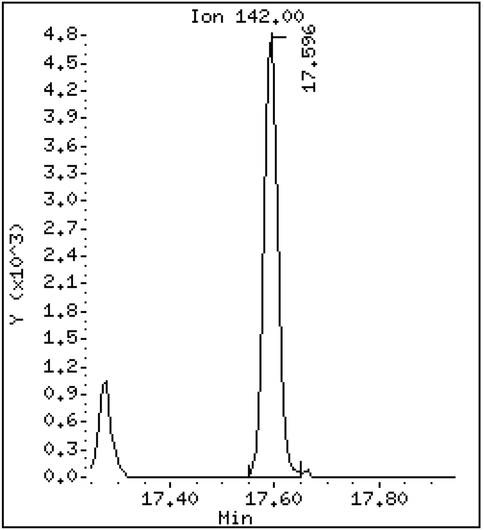


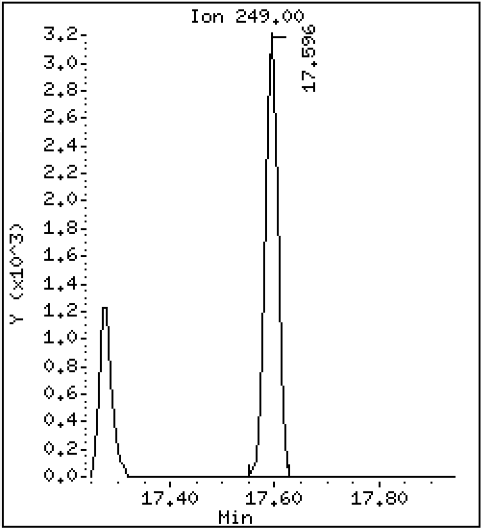












Data File: \\target\share\chem3\nt14.i\20230106.b\NT1423010603.D

Date : 06-JAN-2023 12:48

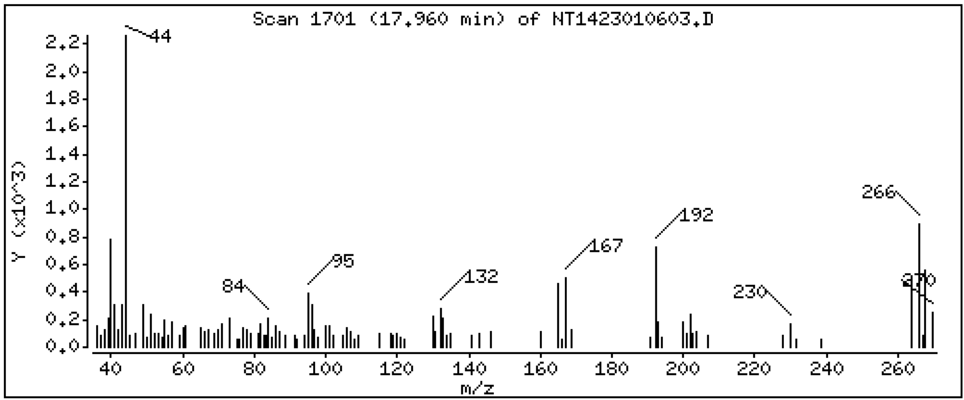
Client ID: Instrument: nt14.i

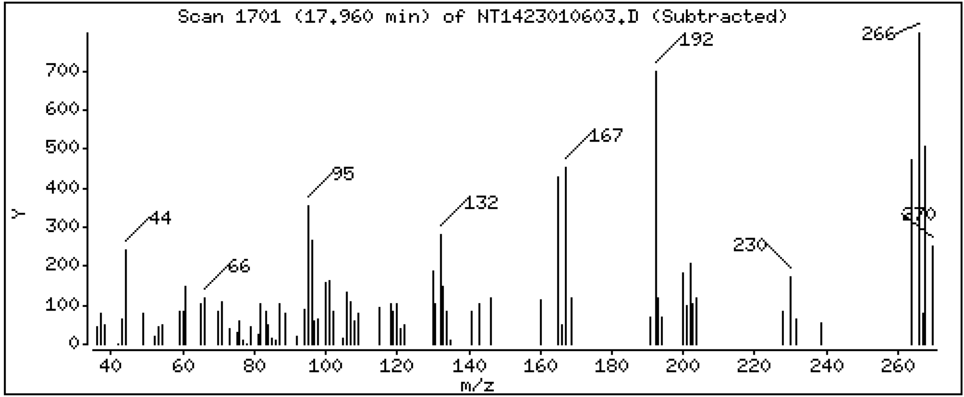
Sample Info: SLA0068-LCV1

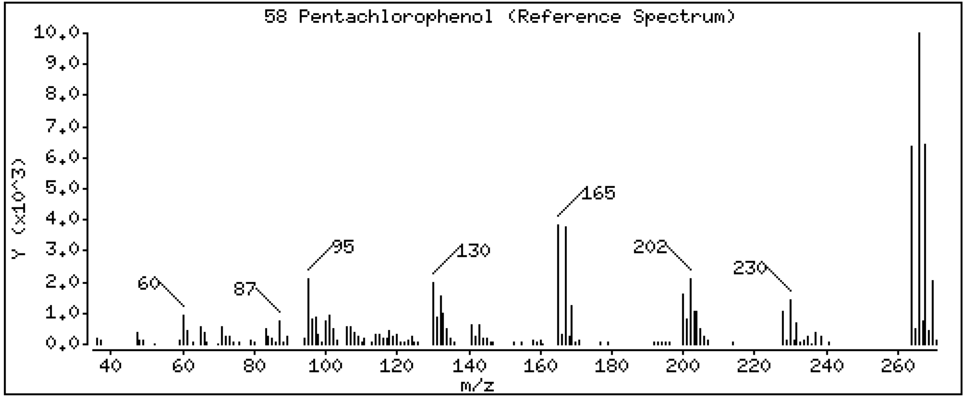
Operator: VTS

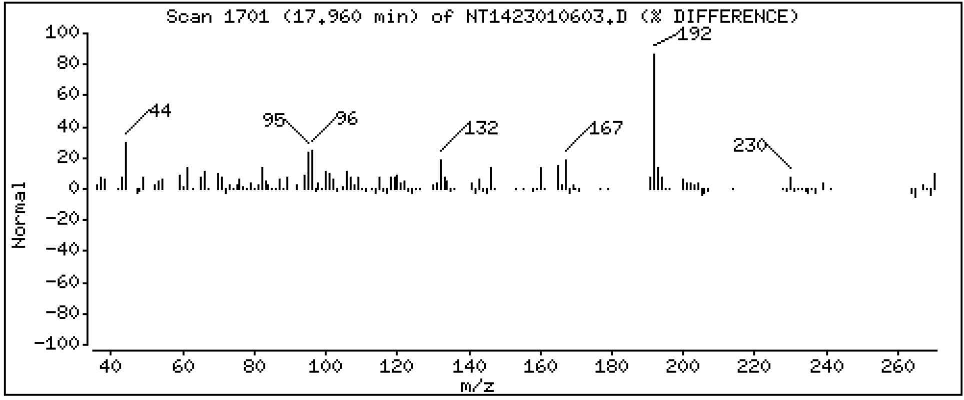
Column phase: ZB-5msi Column diameter: 0.25

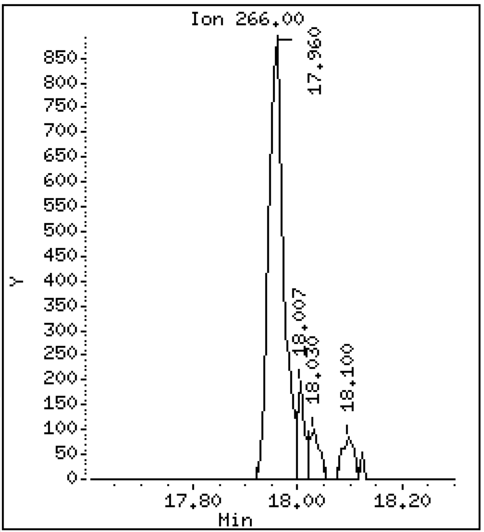
58 Pentachlorophenol Concentration: 0.1118 ug/mL

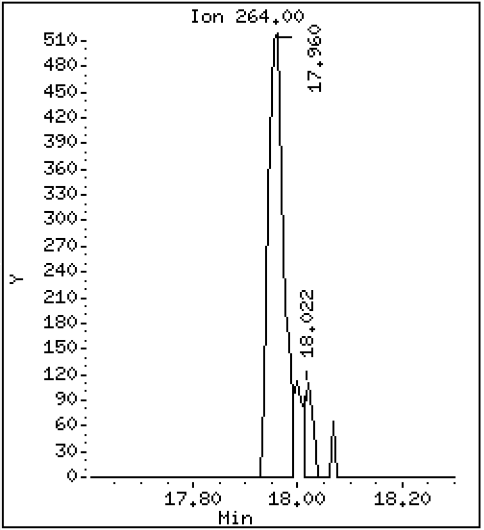


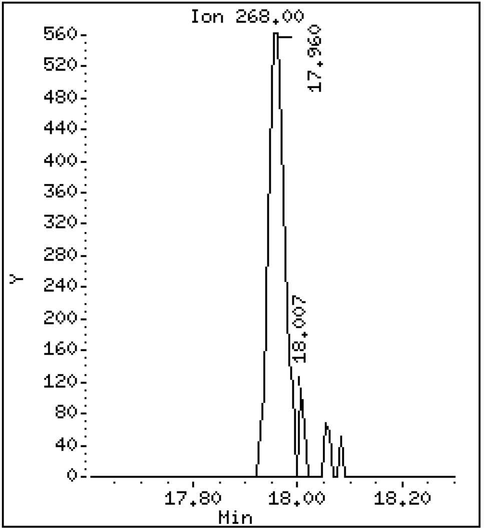












Data File: \\target\share\chem3\nt14.i\20230106.b\NT1423010603.D

Date : 06-JAN-2023 12:48

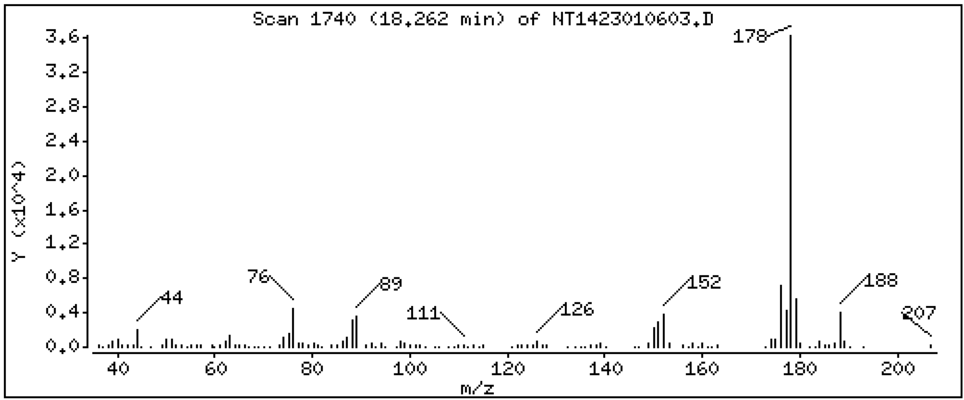
Client ID: Instrument: nt14.i

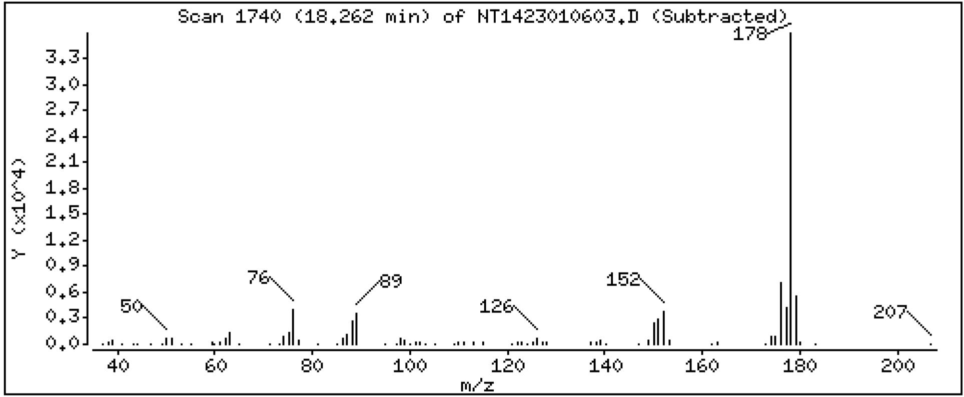
Sample Info: SLA0068-LCV1

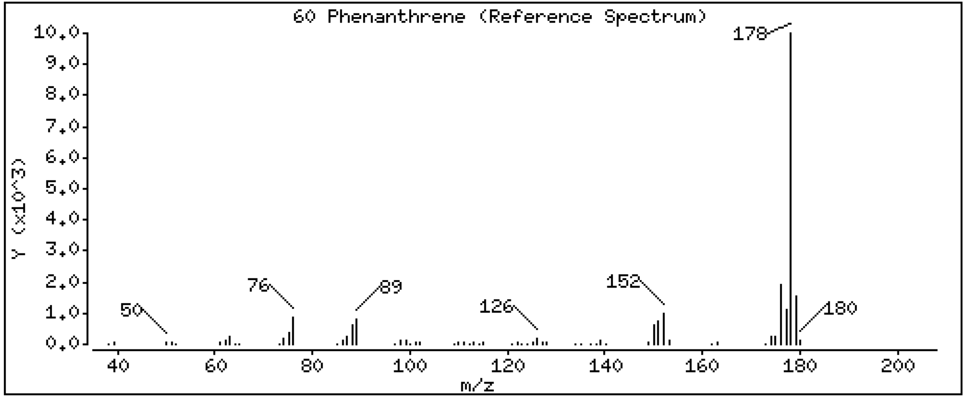
Operator: VTS

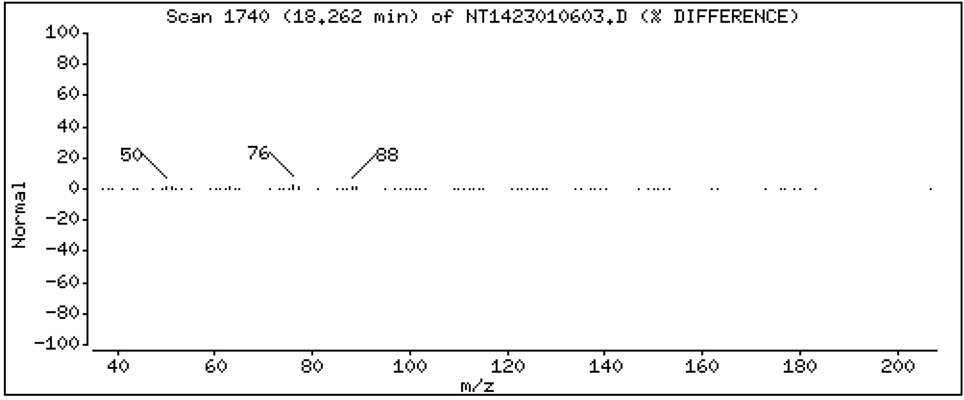
Column phase: ZB-5msi Column diameter: 0.25

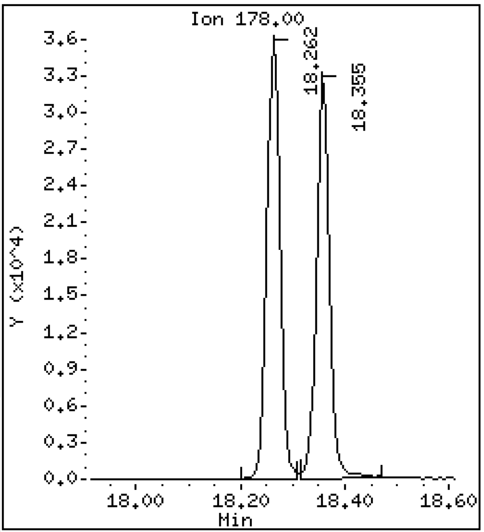
60 Phenanthrene Concentration: 0.4581 ug/mL

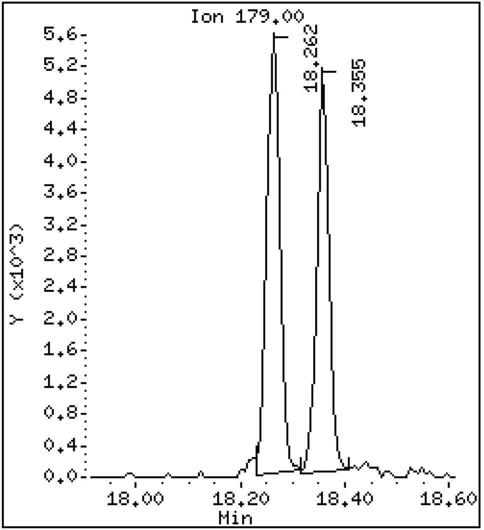

Scan 1740 (18.262 min) of NT1423010603.D

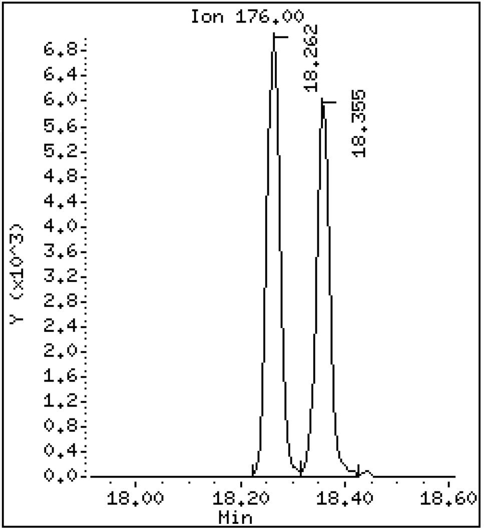

Scan 1740 (18.262 min) of NT1423010603.D (Subtracted)


60 Phenanthrene (Reference Spectrum)


Scan 1740 (18.262 min) of NT1423010603.D (% DIFFERENCE)


Ion 178.00


Ion 179.00


Ion 176.00

Data File: \\target\share\chem3\nt14.i\20230106.b\NT1423010603.D

Date : 06-JAN-2023 12:48

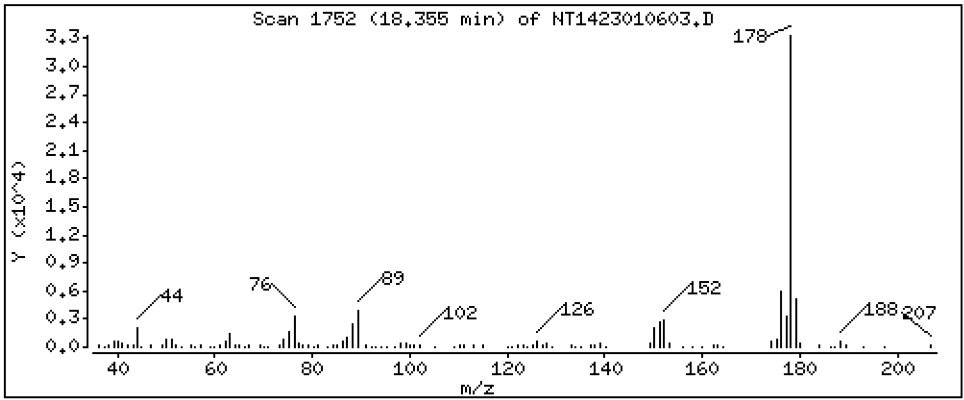
Client ID: Instrument: nt14.i

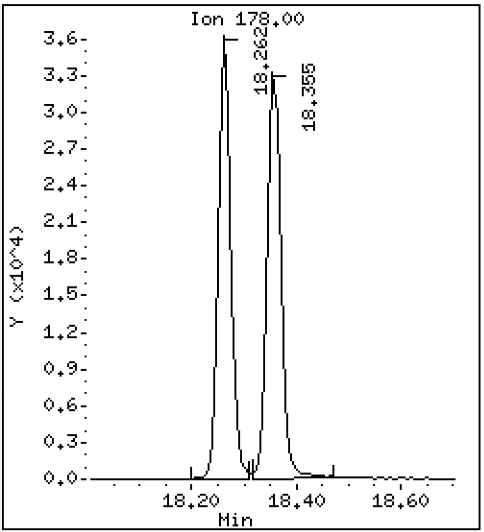
Sample Info: SLA0068-LCV1

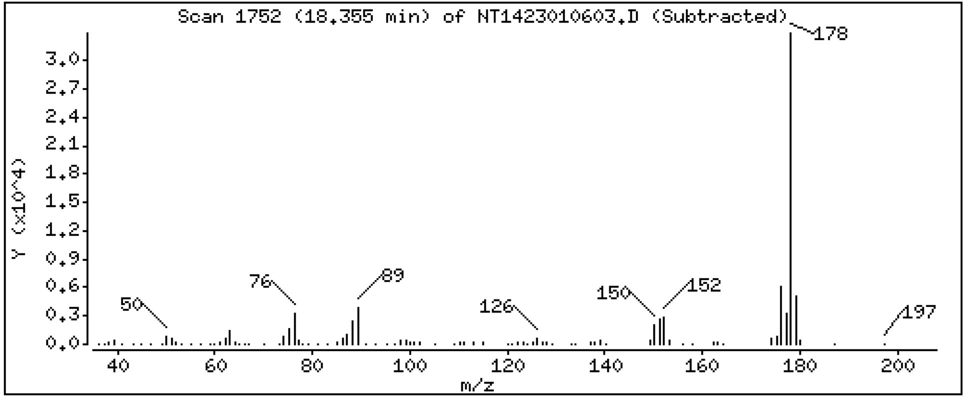
Operator: VTS

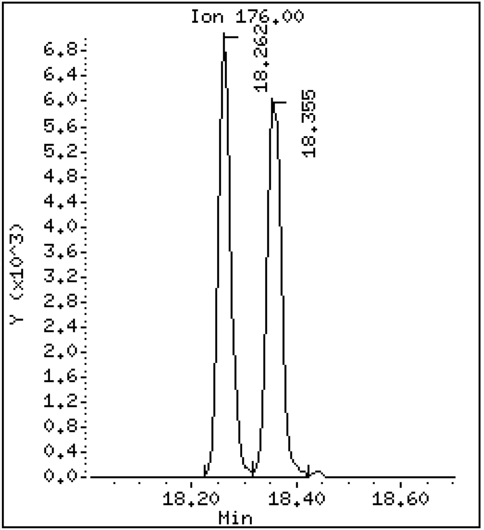
Column phase: ZB-5msi Column diameter: 0.25

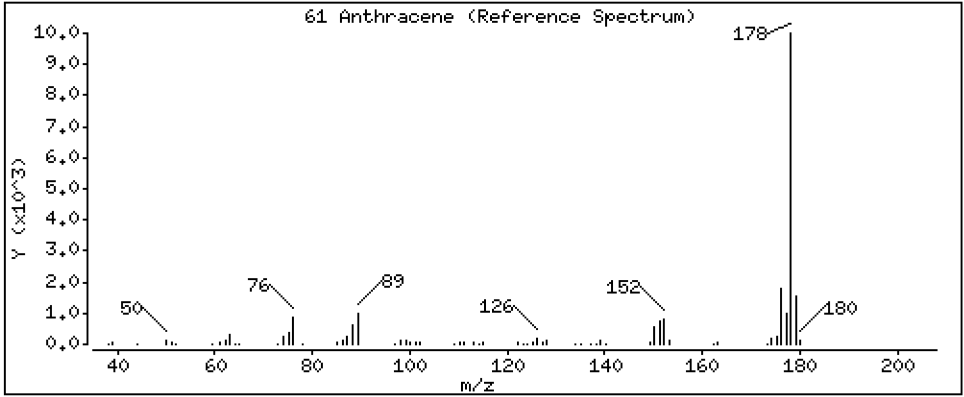
61 Anthracene Concentration: 0.4594 ug/mL

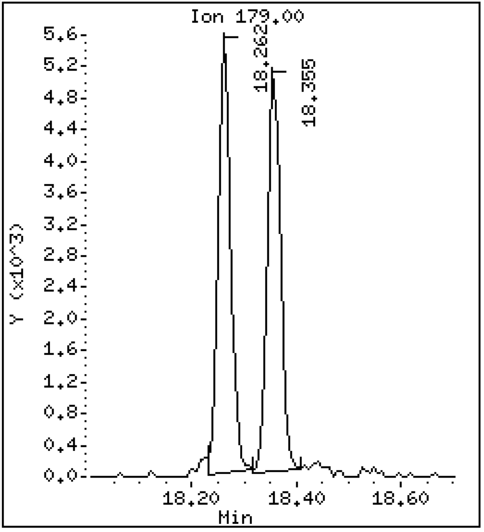

Scan 1752 (18.355 min) of NT1423010603.D


Ion 178.00


Scan 1752 (18.355 min) of NT1423010603.D (Subtracted)


Ion 176.00


61 Anthracene (Reference Spectrum)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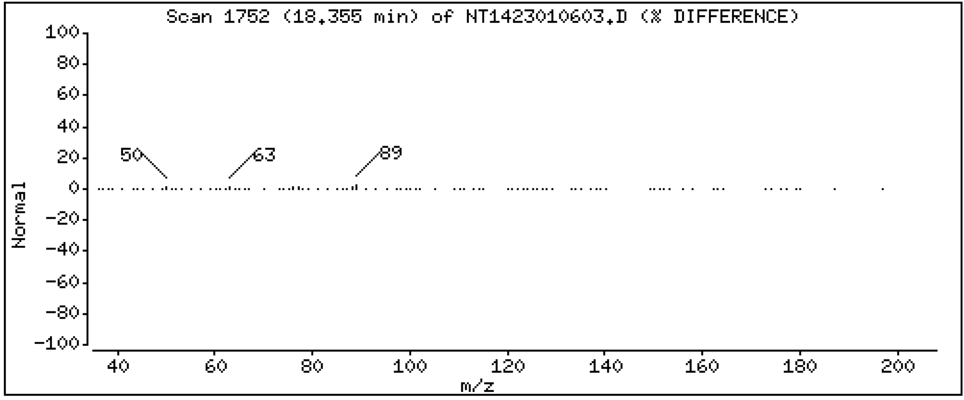

Scan 1752 (18.355 min) of NT1423010603.D (% DIFFERENCE)

Data File: \\target\share\chem3\nt14.i\20230106.b\NT1423010603.D

Date : 06-JAN-2023 12:48

Client ID:

Instrument: nt14.i

Sample Info: SLA0068-LCV1

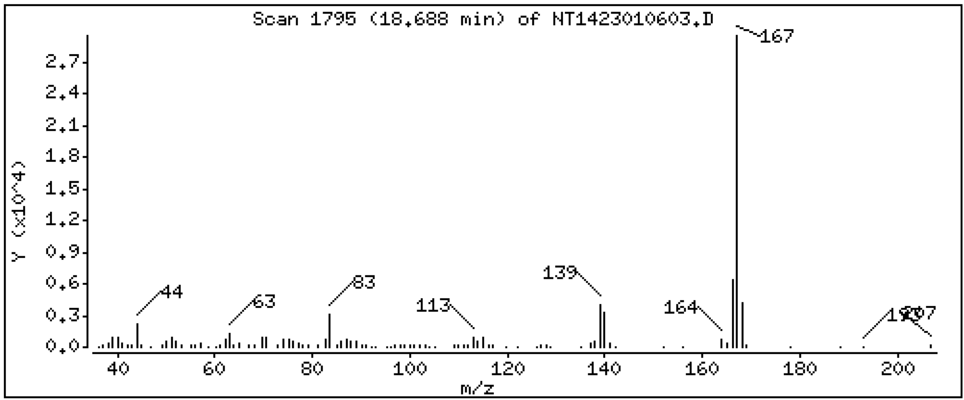
Operator: VTS

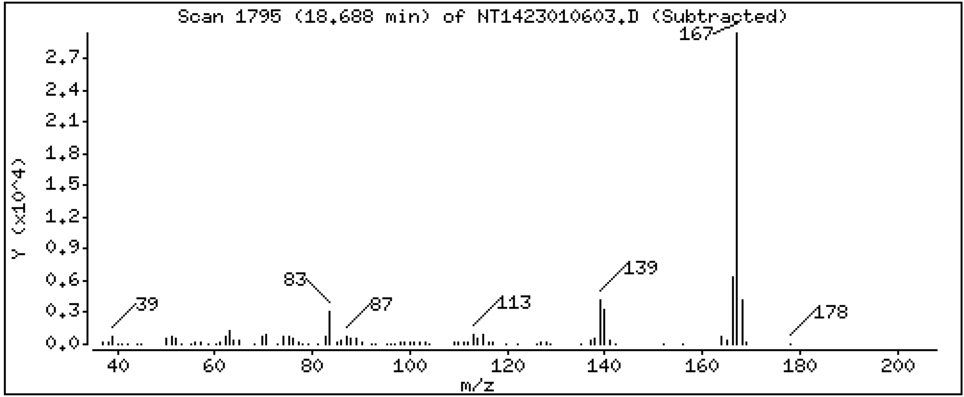
Column phase: ZB-5msi

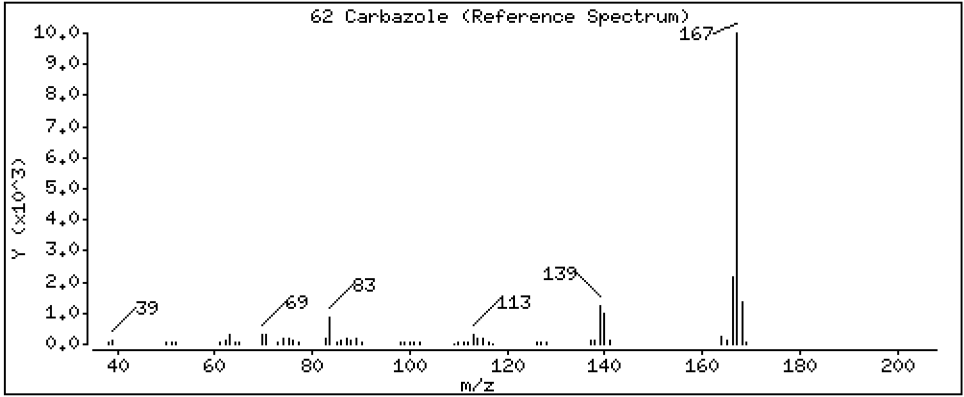
Column diameter: 0.25

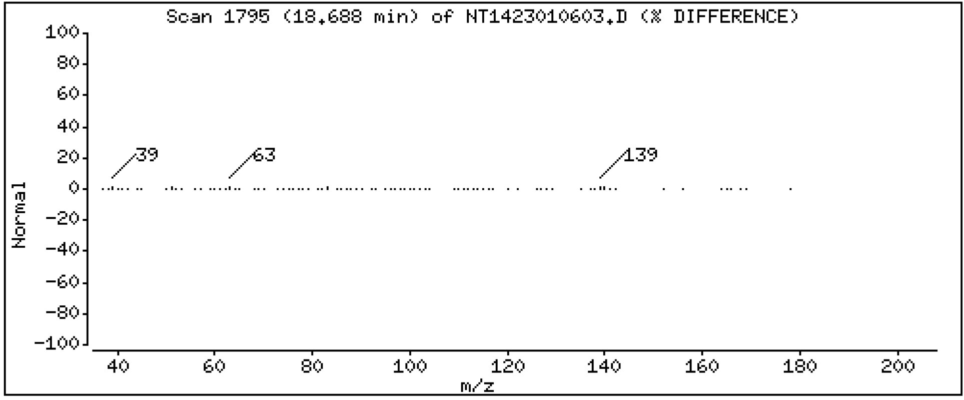
62 Carbazole

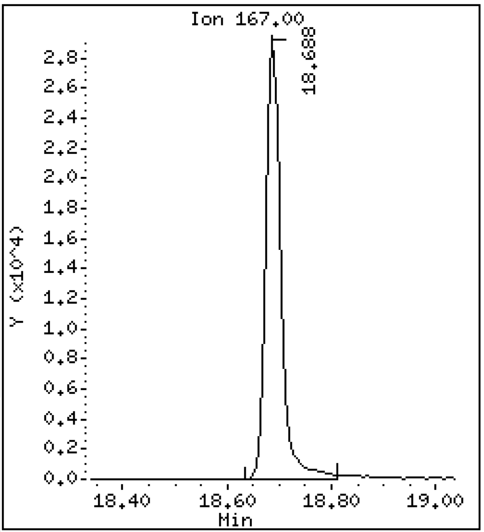
Concentration: 0.4620 ug/mL

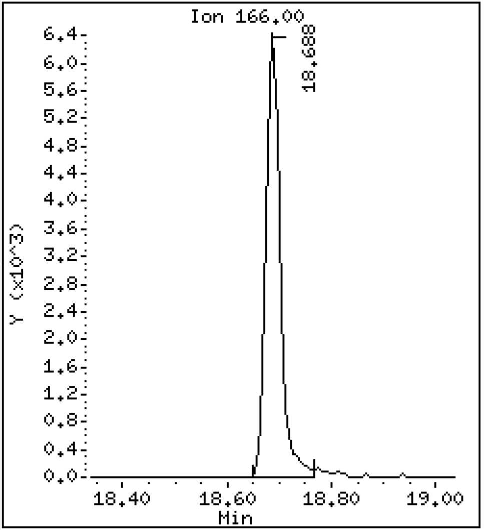

Scan 1795 (18.688 min) of NT1423010603.D

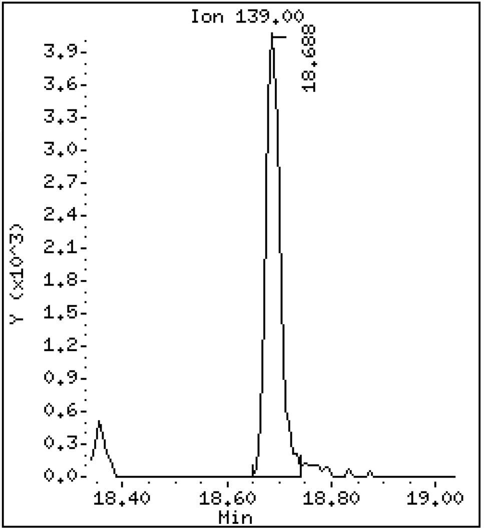

Scan 1795 (18.688 min) of NT1423010603.D (Subtracted)


62 Carbazole (Reference Spectrum)


Scan 1795 (18.688 min) of NT1423010603.D (% DIFFERENCE)


Ion 167.00


Ion 166.00


Ion 139.00

Data File: \\target\share\chem3\nt14.i\20230106.b\NT1423010603.D

Date : 06-JAN-2023 12:48

Client ID:

Instrument: nt14.i

Sample Info: SLA0068-LCV1

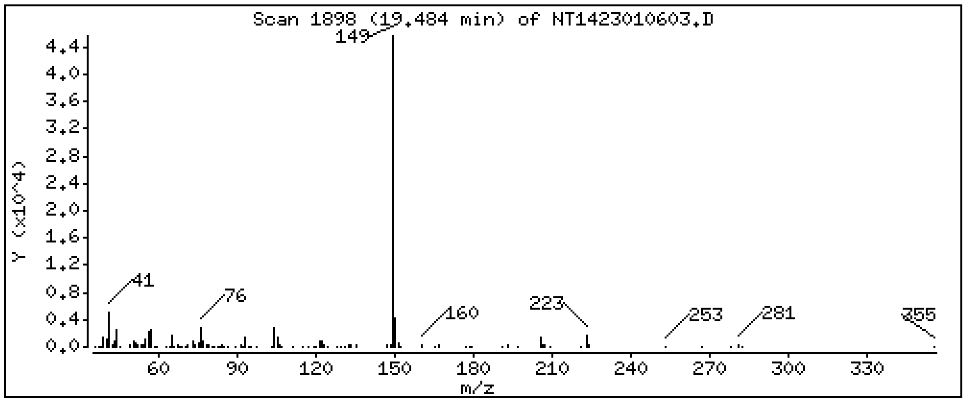
Operator: VTS

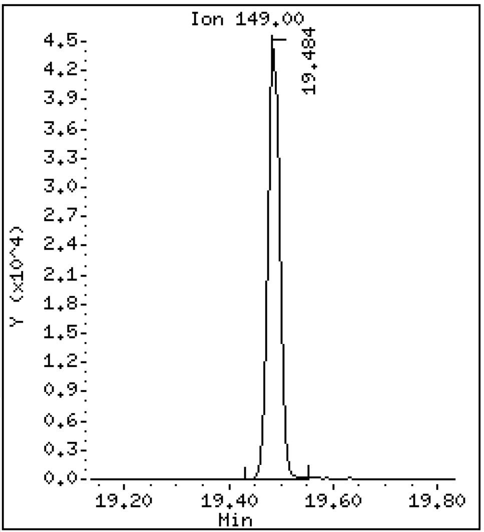
Column phase: ZB-5msi

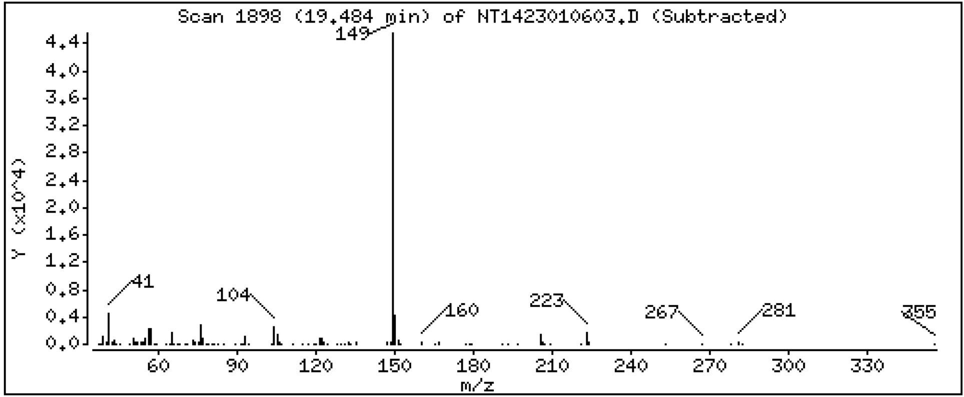
Column diameter: 0.25

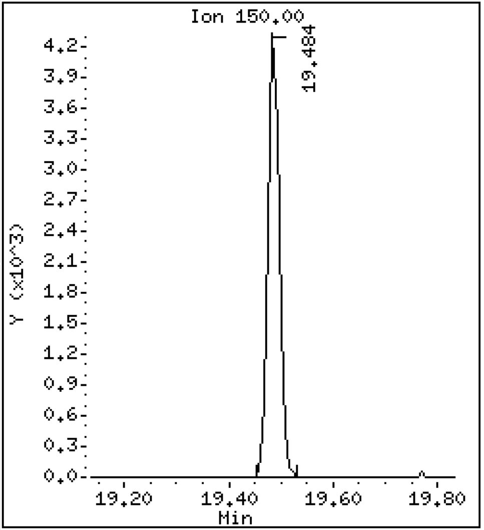
63 Di-n-butylphthalate

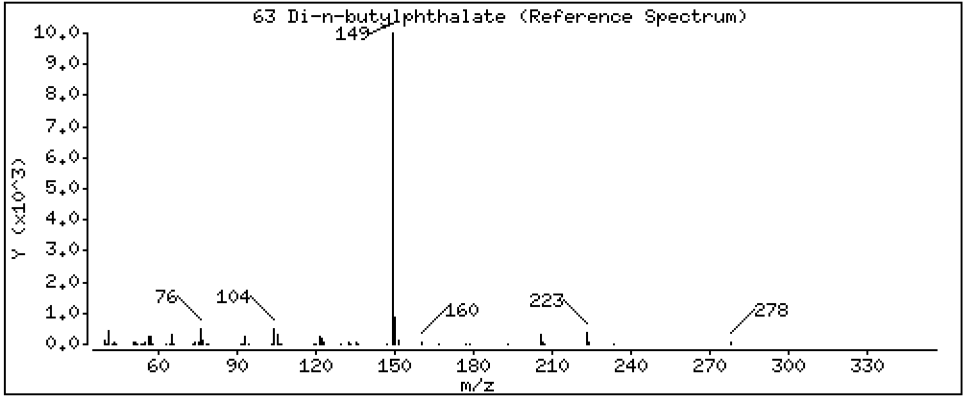
Concentration: 0.4795 ug/mL

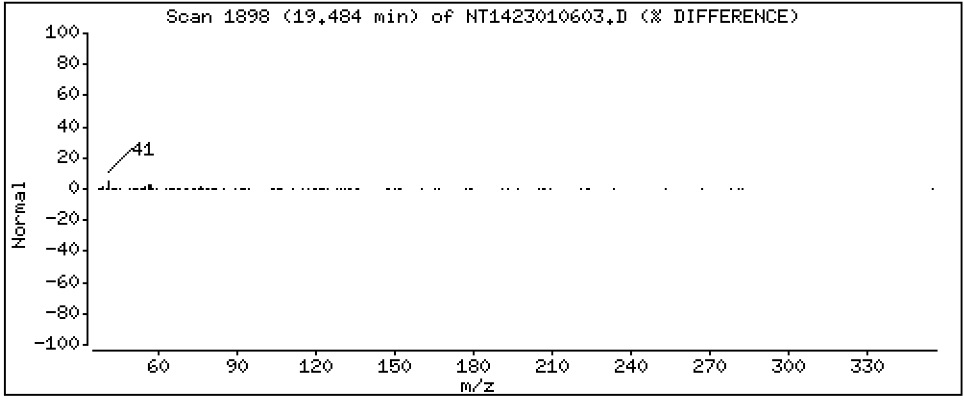

Scan 1898 (19.484 min) of NT1423010603.D

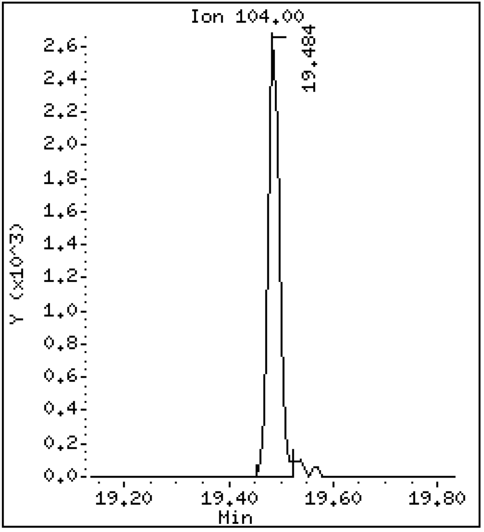

Ion 149.00


Scan 1898 (19.484 min) of NT1423010603.D (Subtracted)


Ion 150.00


63 Di-n-butylphthalate (Reference Spectrum)


Scan 1898 (19.484 min) of NT1423010603.D (% DIFFERENCE)


Ion 104.00

Data File: \\target\share\chem3\nt14.i\20230106.b\NT1423010603.D

Date : 06-JAN-2023 12:48

Client ID:

Instrument: nt14.i

Sample Info: SLA0068-LCV1

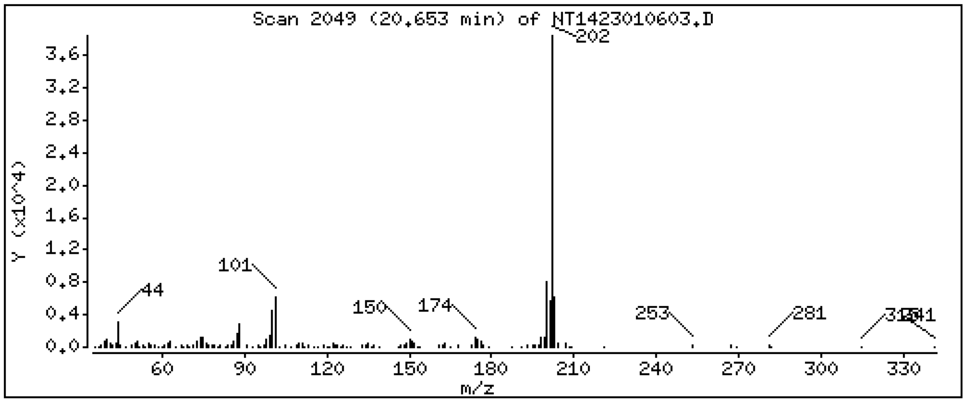
Operator: VTS

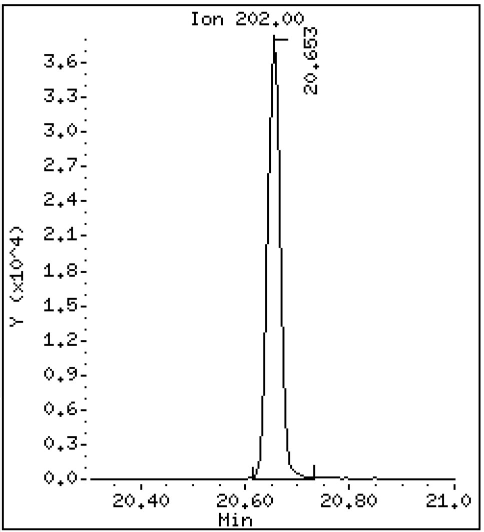
Column phase: ZB-5msi

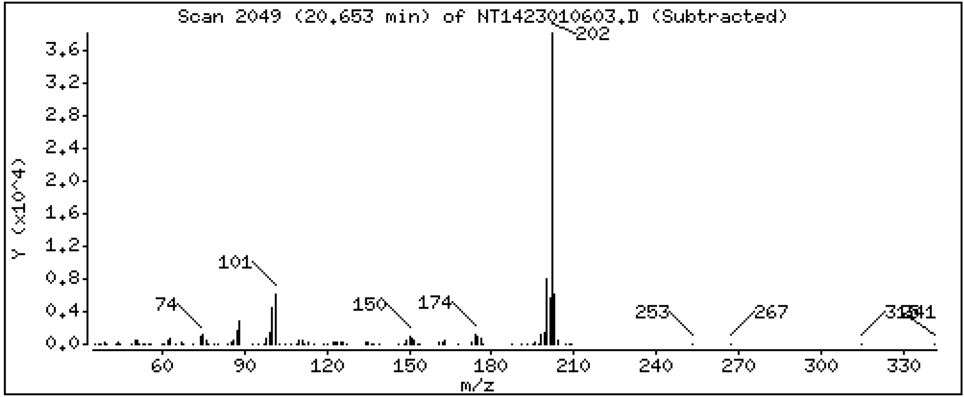
Column diameter: 0.25

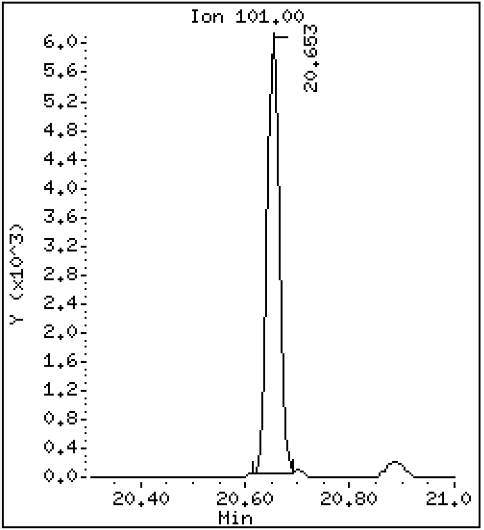
64 Fluoranthene

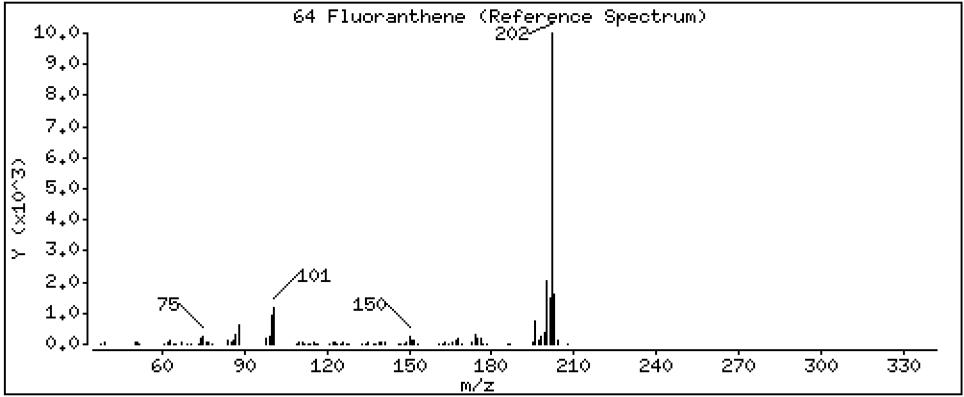
Concentration: 0.4865 ug/mL

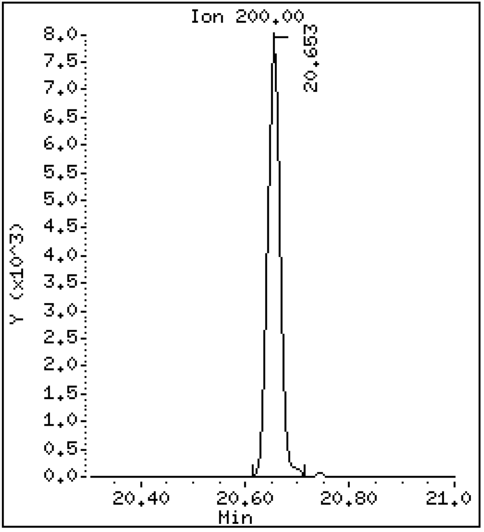


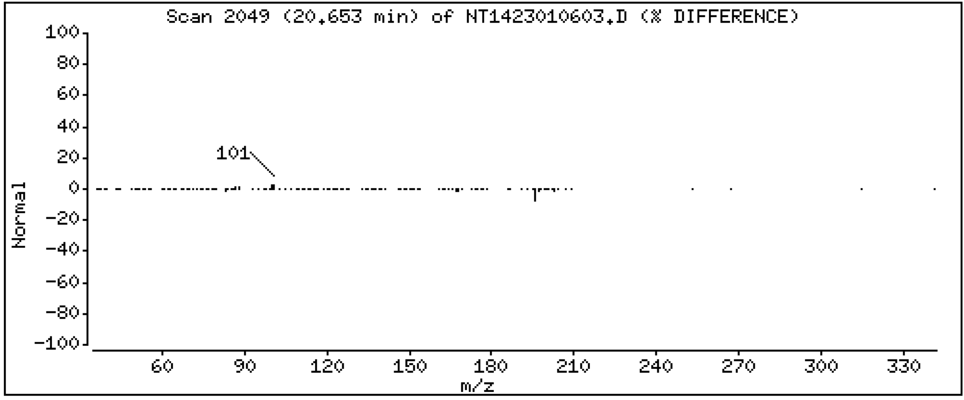












Data File: \\target\share\chem3\nt14.i\20230106.b\NT1423010603.D

Date : 06-JAN-2023 12:48

Client ID:

Instrument: nt14.i

Sample Info: SLA0068-LCV1

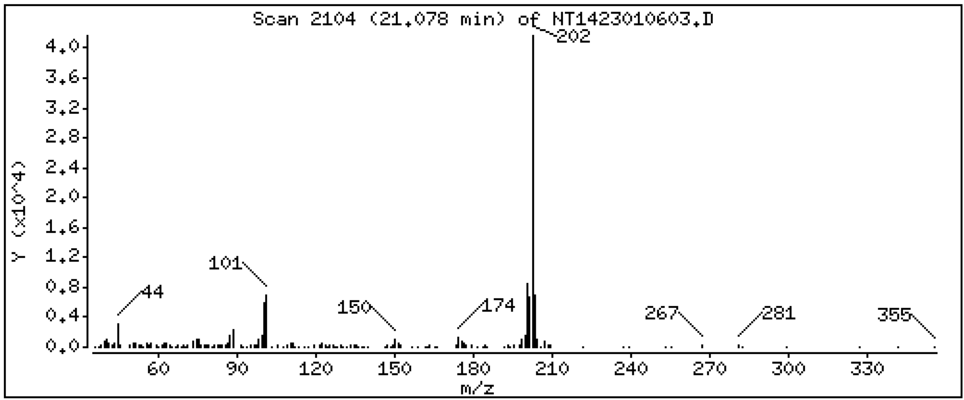
Operator: VTS

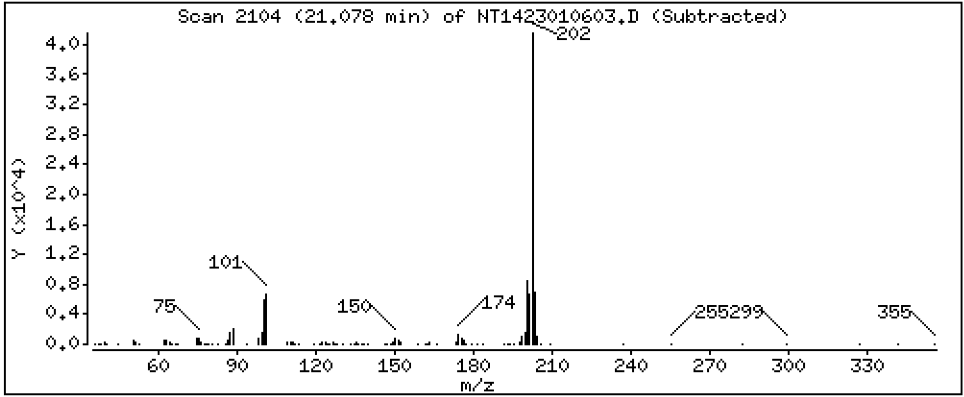
Column phase: ZB-5msi

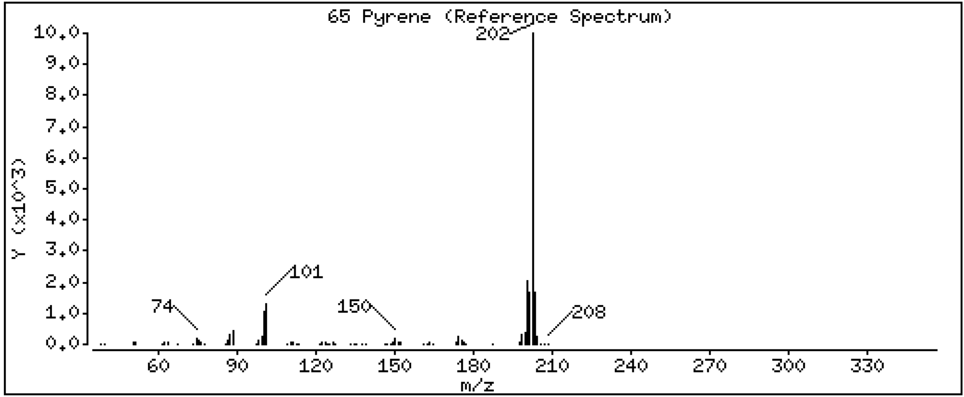
Column diameter: 0.25

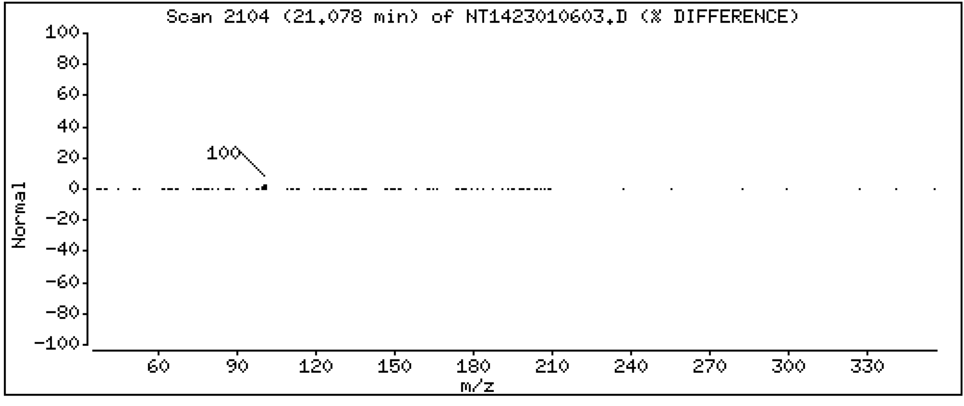
65 Pyrene

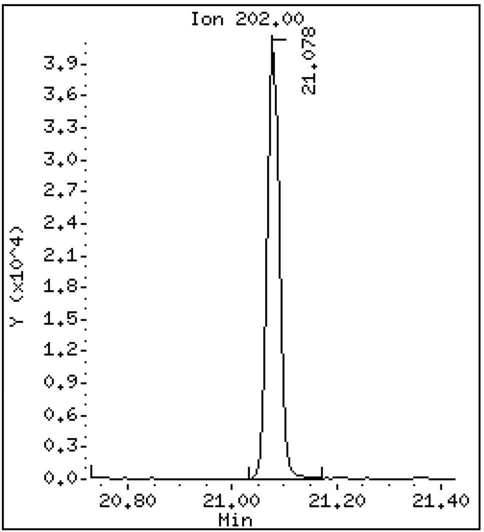
Concentration: 0.4855 ug/mL

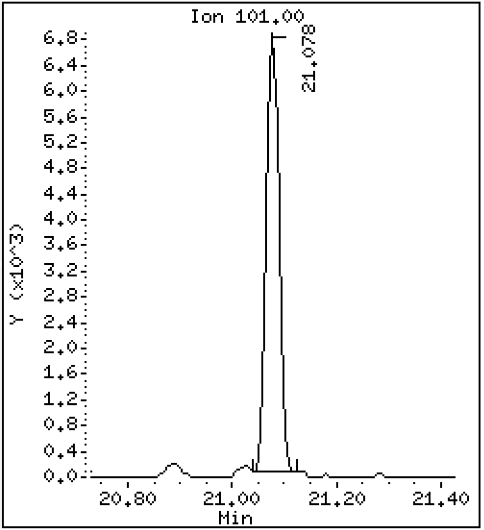

Scan 2104 (21.078 min) of NT1423010603.D

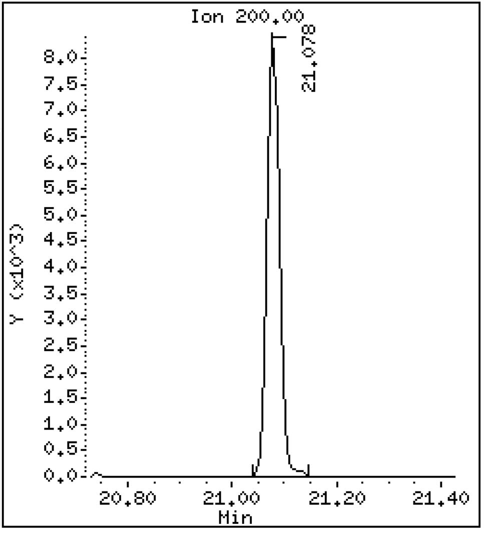

Scan 2104 (21.078 min) of NT1423010603.D (Subtracted)


65 Pyrene (Reference Spectrum)


Scan 2104 (21.078 min) of NT1423010603.D (% DIFFERENCE)


Ion 202.00


Ion 101.00


Ion 200.00

Data File: \\target\share\chem3\nt14.i\20230106.b\NT1423010603.D

Date : 06-JAN-2023 12:48

Client ID:

Instrument: nt14.i

Sample Info: SLA0068-LCV1

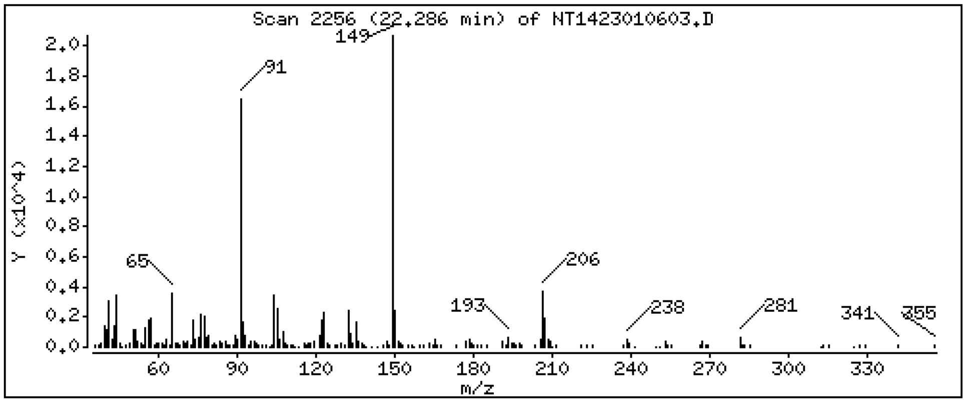
Operator: VTS

Column phase: ZB-5msi

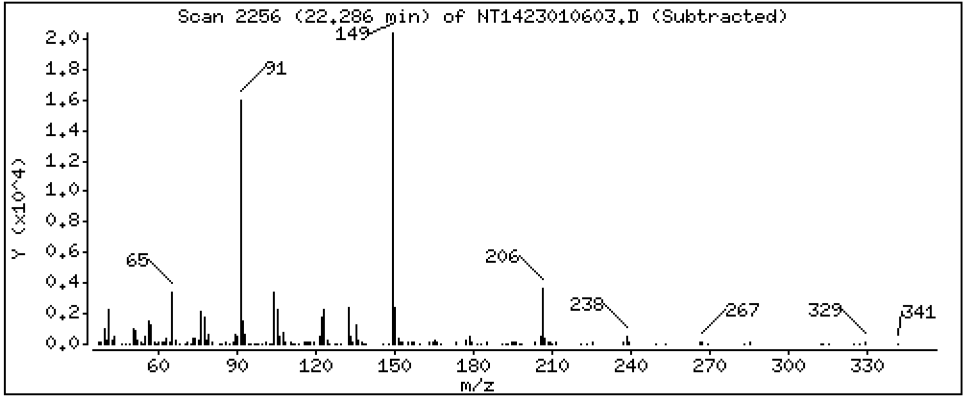
Column diameter: 0.25

67 Butylbenzylphthalate

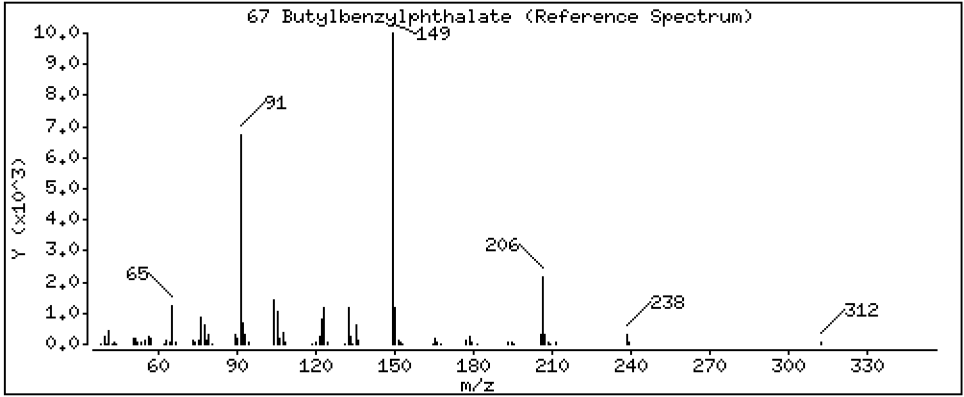
Concentration: 0.5646 ug/mL



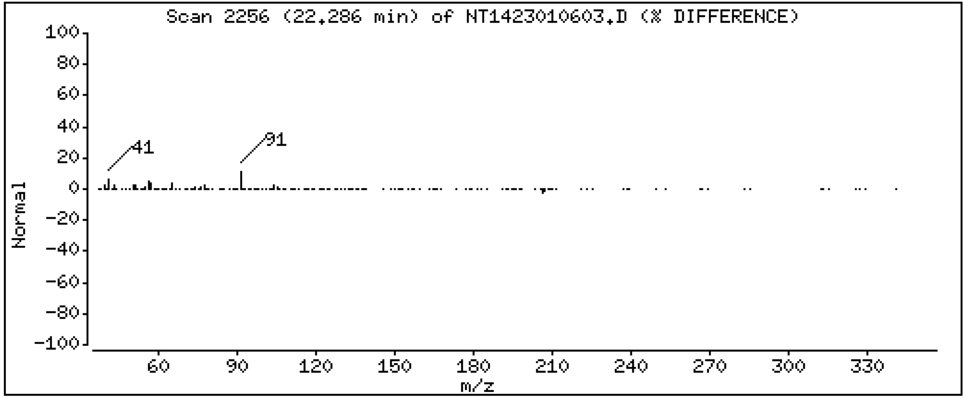
Scan 2256 (22.286 min) of NT1423010603.D



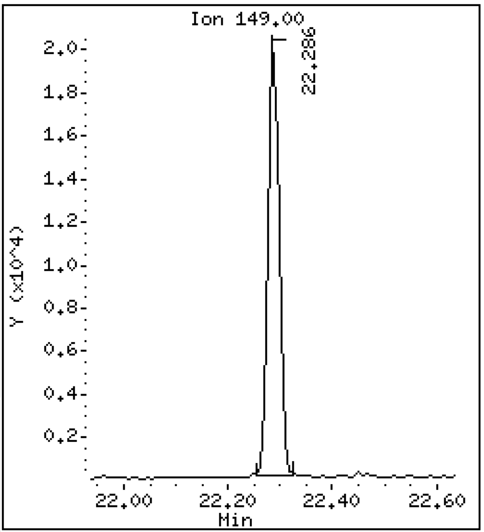
Scan 2256 (22.286 min) of NT1423010603.D (Subtracted)



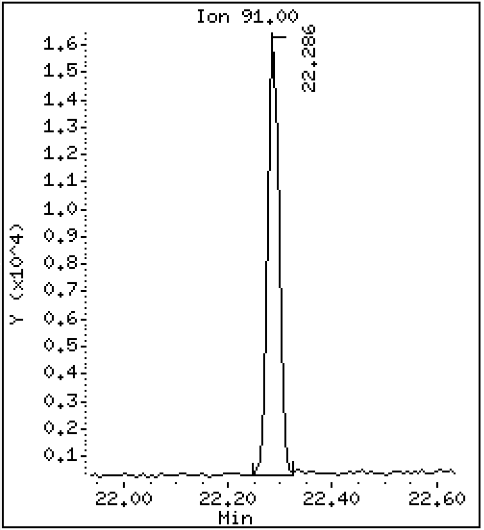
67 Butylbenzylphthalate (Reference Spectrum)



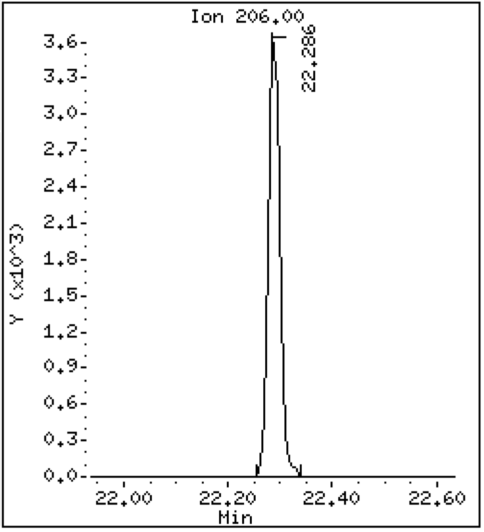
Scan 2256 (22.286 min) of NT1423010603.D (% DIFFERENCE)



Ion 149.00



Ion 91.00



Ion 206.00

Data File: \\target\share\chem3\nt14.i\20230106.b\NT1423010603.D

Date : 06-JAN-2023 12:48

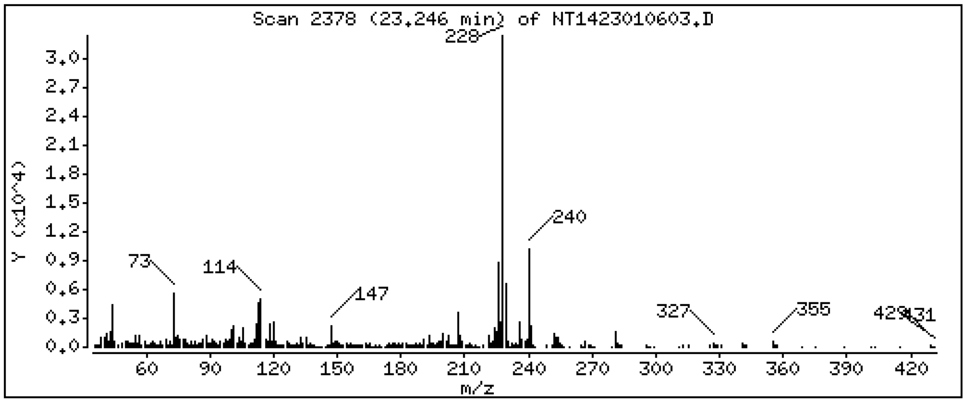
Client ID: Instrument: nt14.i

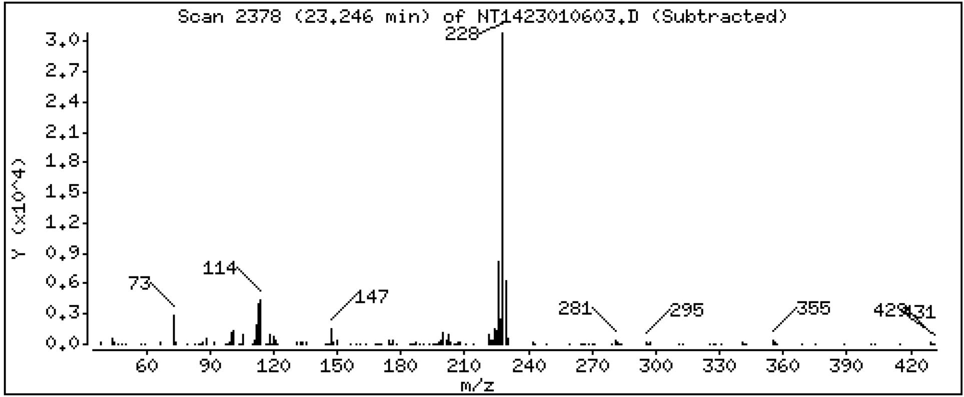
Sample Info: SLA0068-LCV1

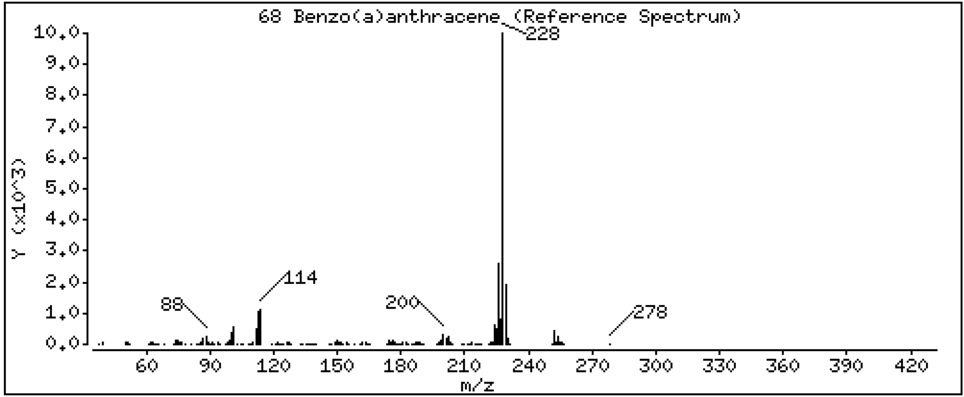
Operator: VTS

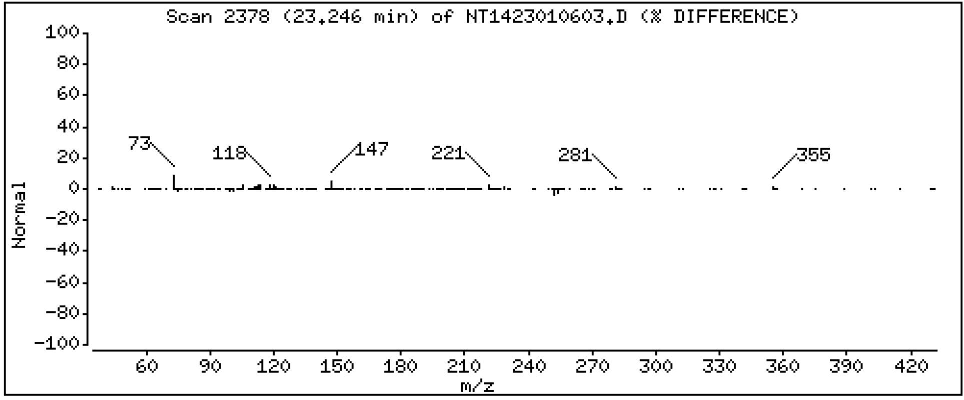
Column phase: ZB-5msi Column diameter: 0.25

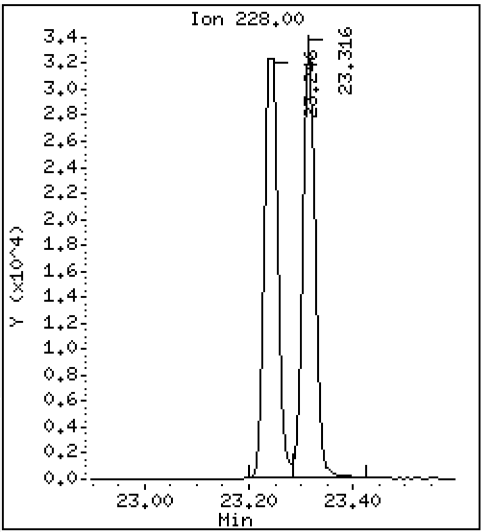
68 Benzo(a)anthracene Concentration: 0.4668 ug/mL

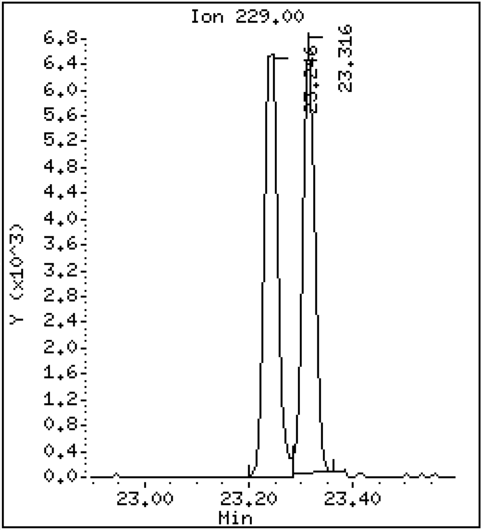

Scan 2378 (23.246 min) of NT1423010603.D

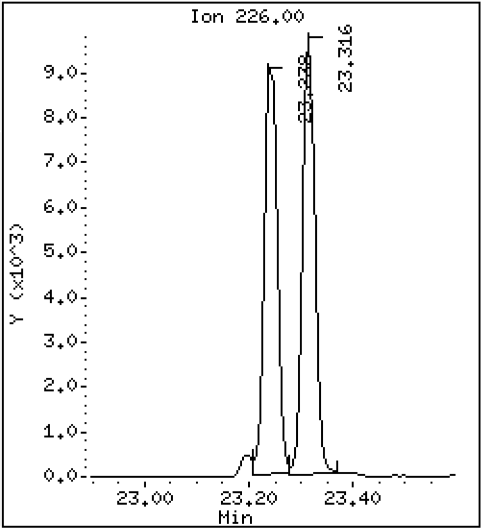

Scan 2378 (23.246 min) of NT1423010603.D (Subtracted)


68 Benzo(a)anthracene (Reference Spectrum)


Scan 2378 (23.246 min) of NT1423010603.D (% DIFFERENCE)


Ion 228.00


Ion 229.00


Ion 226.00

Date : 06-JAN-2023 12:48

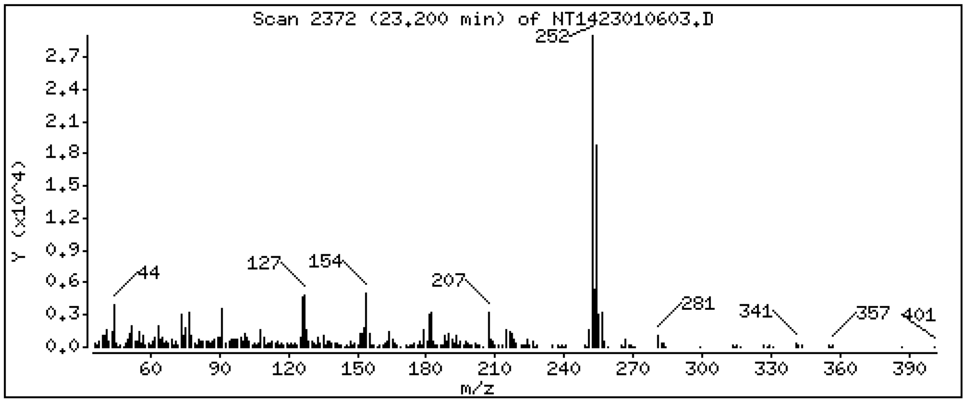
Client ID: Instrument: nt14.i

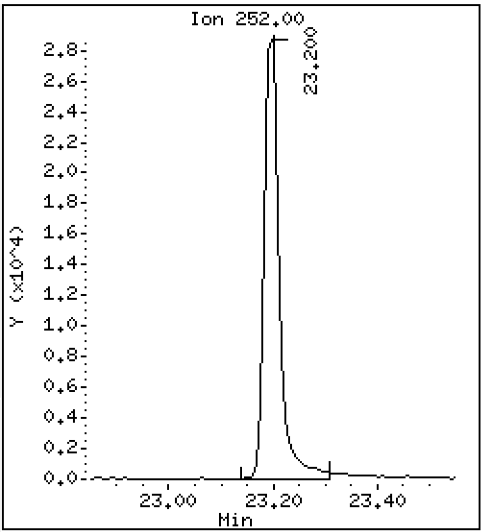
Sample Info: SLA0068-LCV1

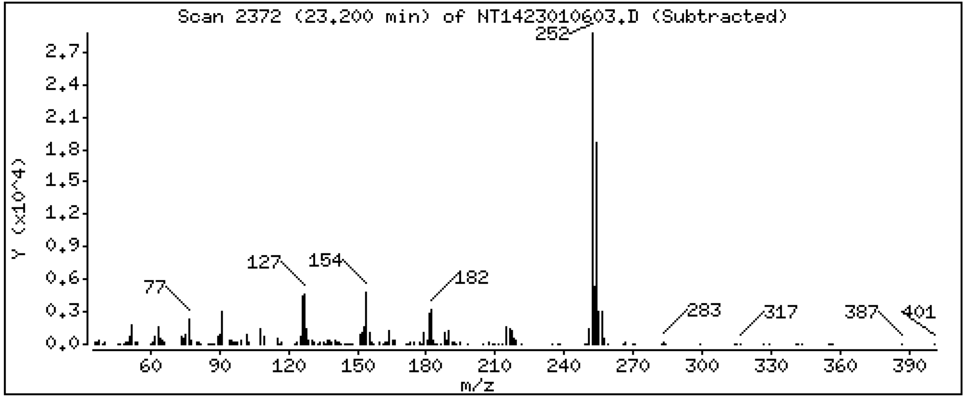
Operator: VTS

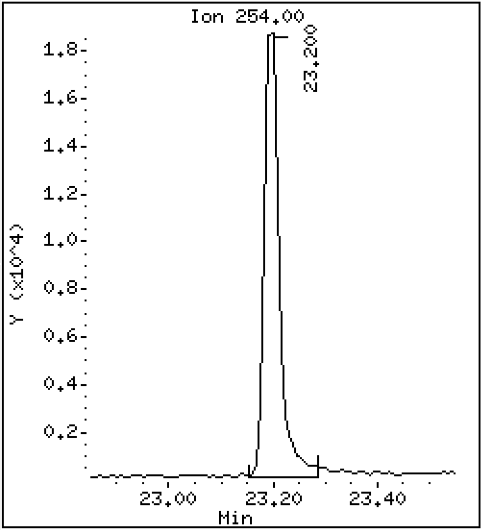
Column phase: ZB-5msi Column diameter: 0.25

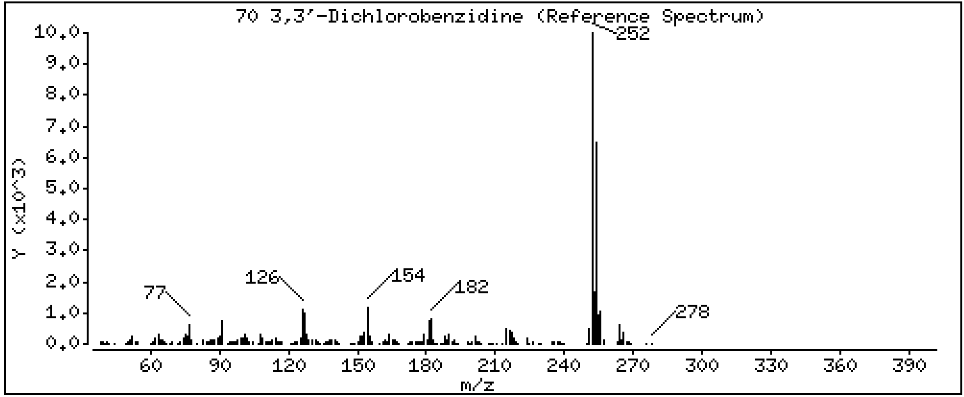
70 3,3'-Dichlorobenzidine Concentration: 1.548 ug/mL

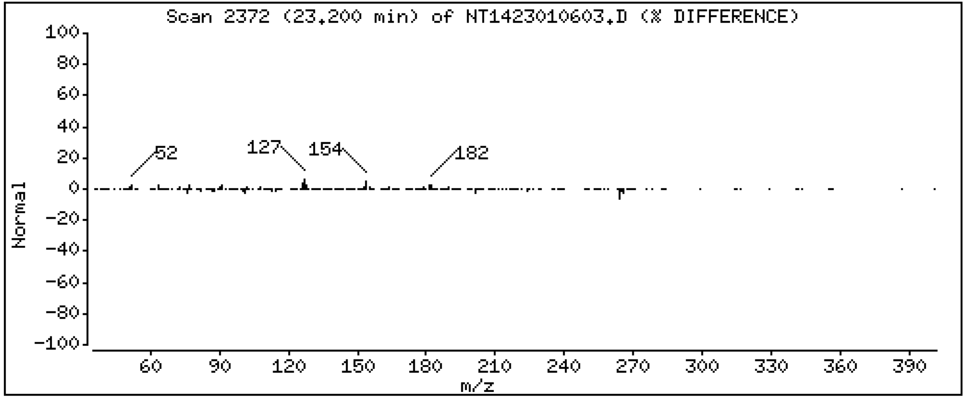

Scan 2372 (23.200 min) of NT1423010603.D

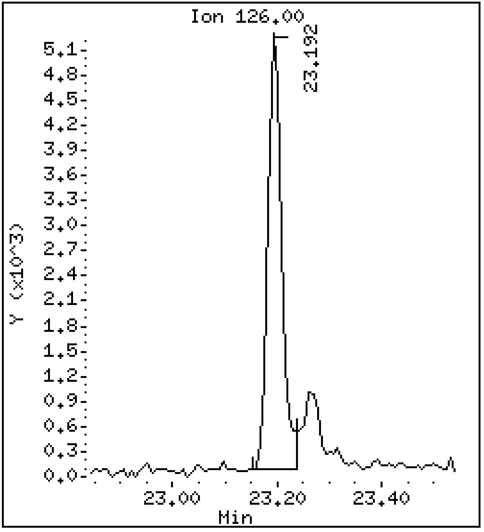

Ion 252.00


Scan 2372 (23.200 min) of NT1423010603.D (Subtracted)


Ion 254.00


70 3,3'-Dichlorobenzidine (Reference Spectrum)


Scan 2372 (23.200 min) of NT1423010603.D (% DIFFERENCE)


Ion 126.00

Data File: \\target\share\chem3\nt14.i\20230106.b\NT1423010603.D

Date : 06-JAN-2023 12:48

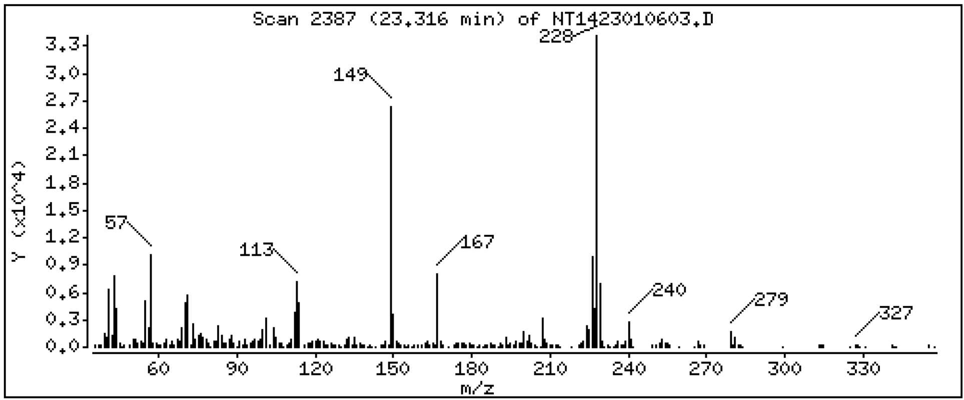
Client ID: Instrument: nt14.i

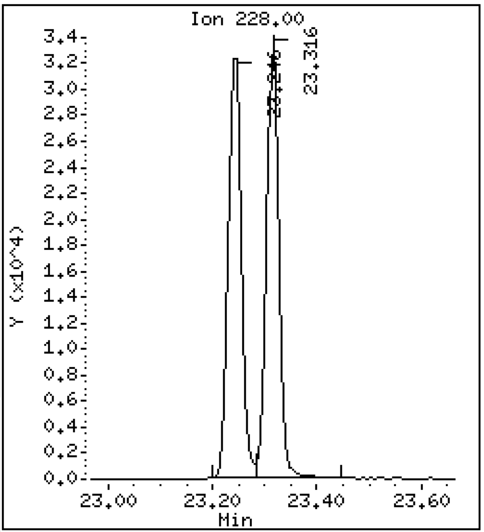
Sample Info: SLA0068-LCV1

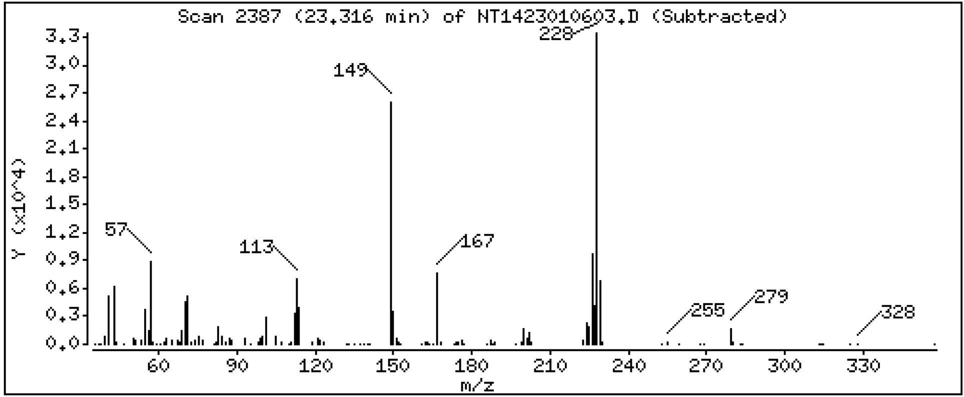
Operator: VTS

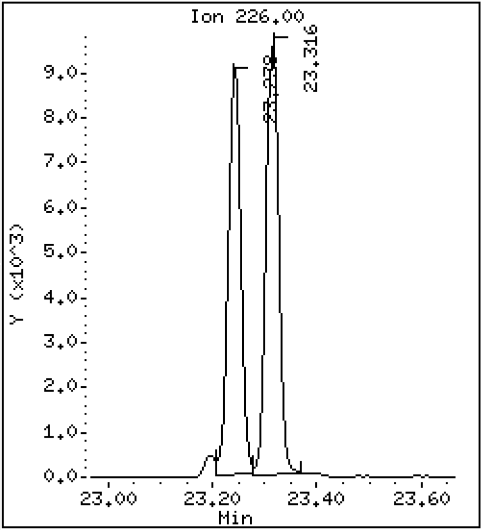
Column phase: ZB-5msi Column diameter: 0.25

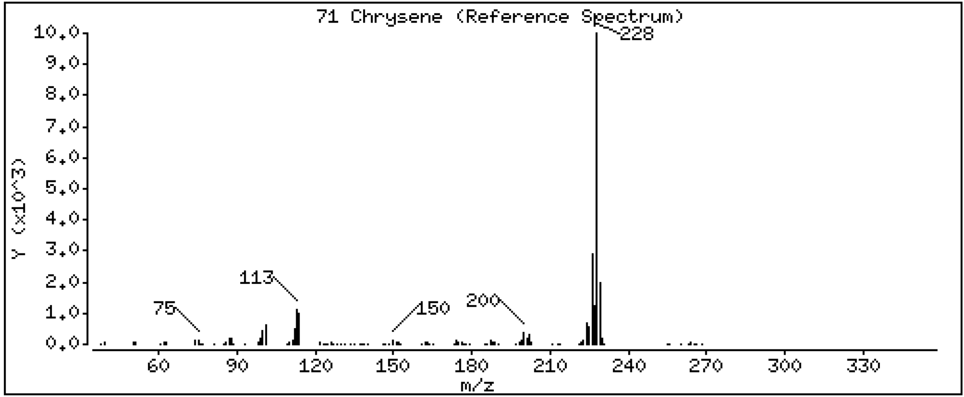
71 Chrysene Concentration: 0.4683 ug/mL

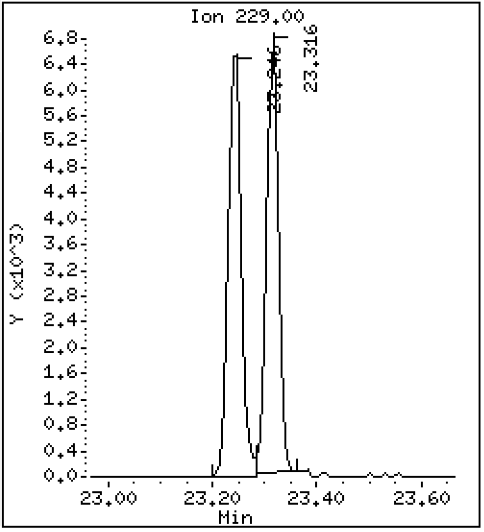

Scan 2387 (23.316 min) of NT1423010603.D


Ion 228.00


Scan 2387 (23.316 min) of NT1423010603.D (Subtracted)


Ion 226.00


71 Chrysene (Reference Spectrum)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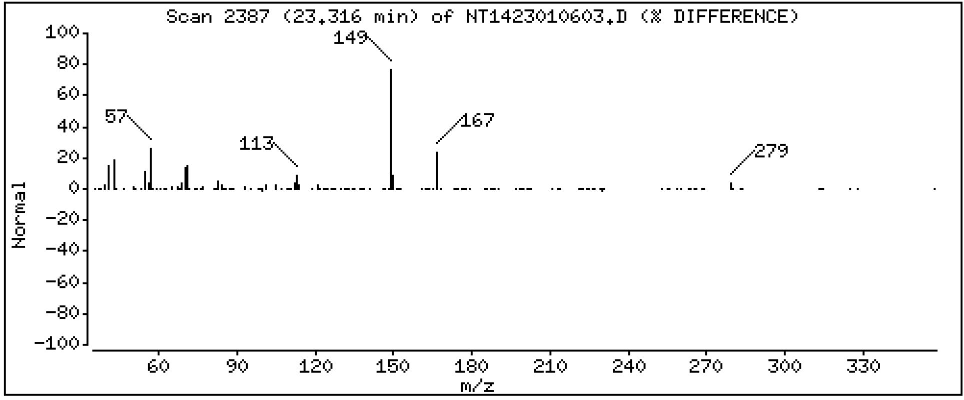

Scan 2387 (23.316 min) of NT1423010603.D (% DIFFERENCE)

Data File: \\target\share\chem3\nt14.i\20230106.b\NT1423010603.D

Date : 06-JAN-2023 12:48

Client ID:

Instrument: nt14.i

Sample Info: SLA0068-LCV1

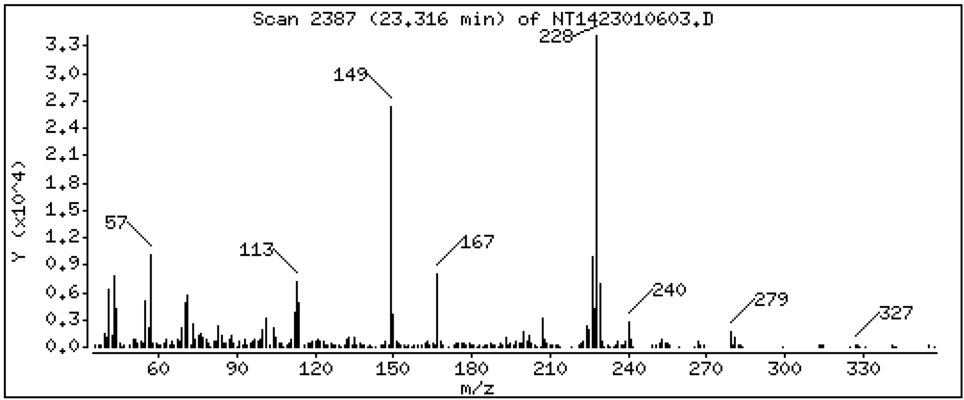
Operator: VTS

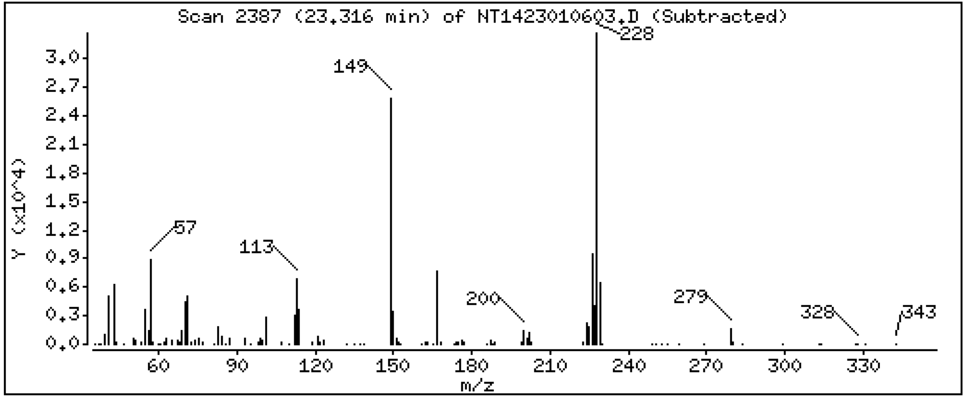
Column phase: ZB-5msi

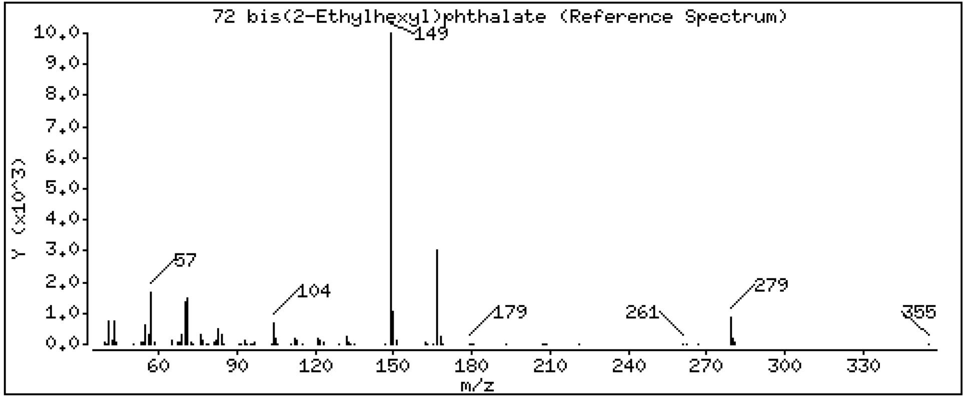
Column diameter: 0.25

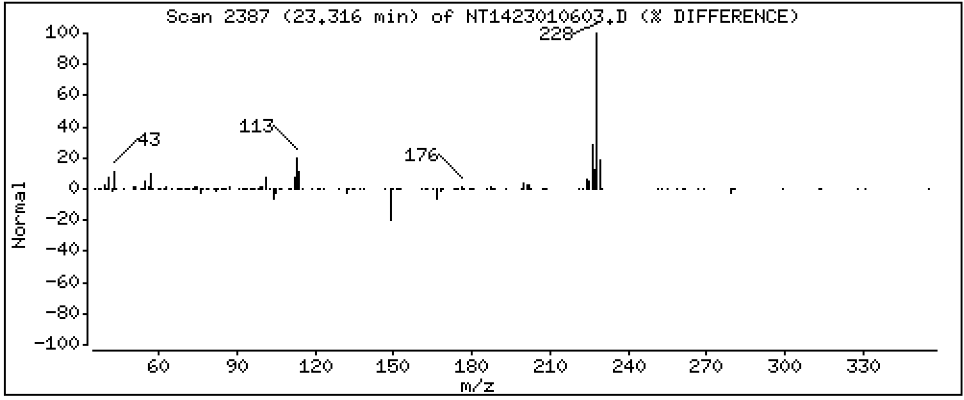
72 bis(2-Ethylhexyl)phthalate

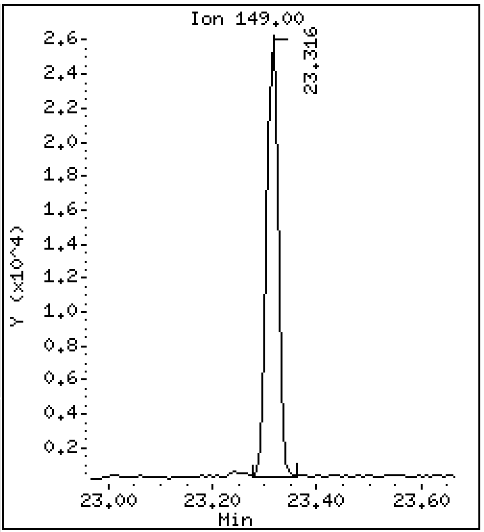
Concentration: 0.4833 ug/mL

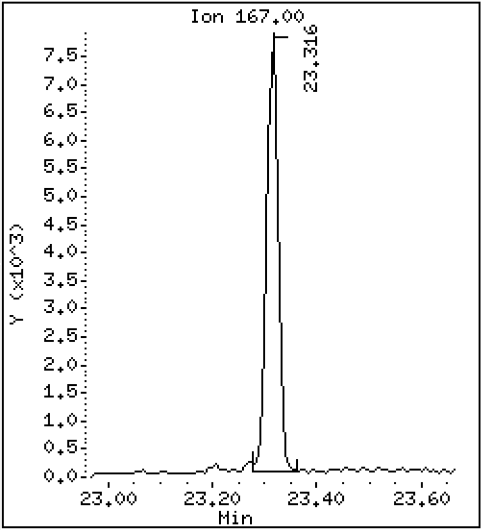

Scan 2387 (23.316 min) of NT1423010603.D

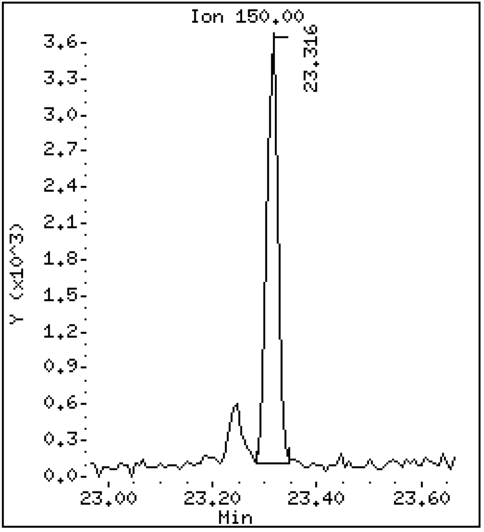

Scan 2387 (23.316 min) of NT1423010603.D (Subtracted)


72 bis(2-Ethylhexyl)phthalate (Reference Spectrum)


Scan 2387 (23.316 min) of NT1423010603.D (% DIFFERENCE)


Ion 149.00


Ion 167.00


Ion 150.00

Data File: \\target\share\chem3\nt14.i\20230106.b\NT1423010603.D

Date : 06-JAN-2023 12:48

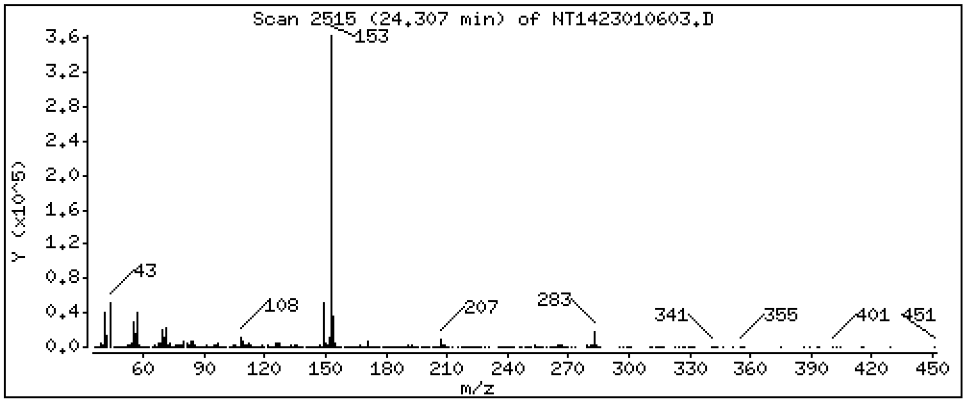
Client ID: Instrument: nt14.i

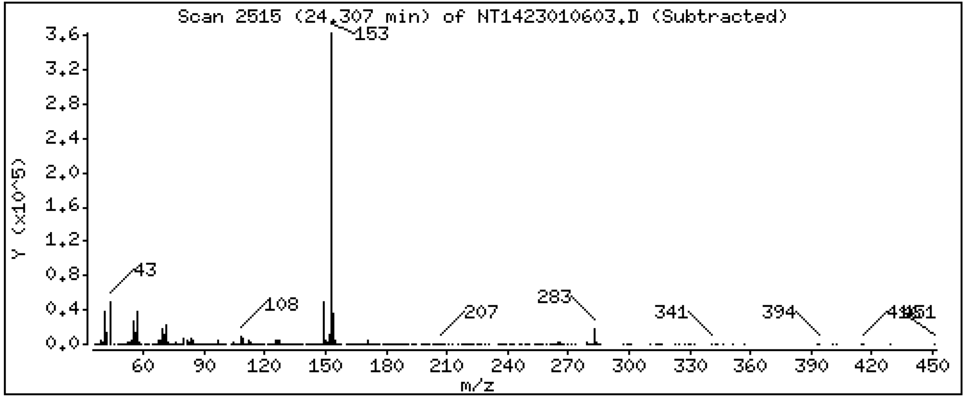
Sample Info: SLA0068-LCV1

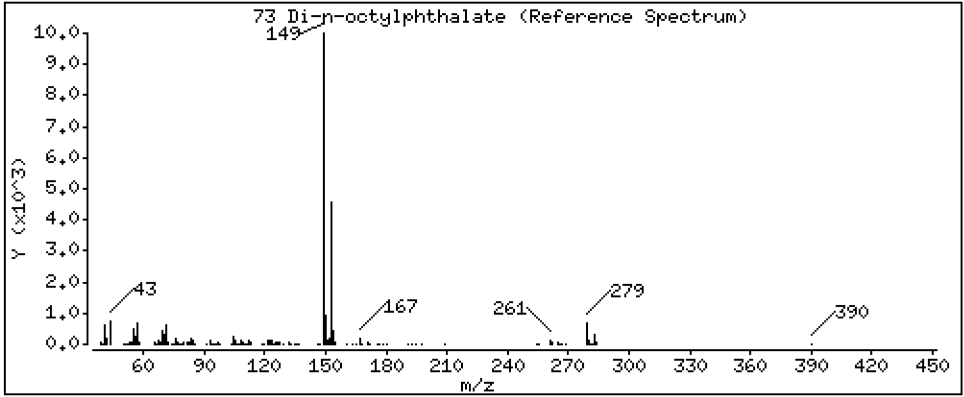
Operator: VTS

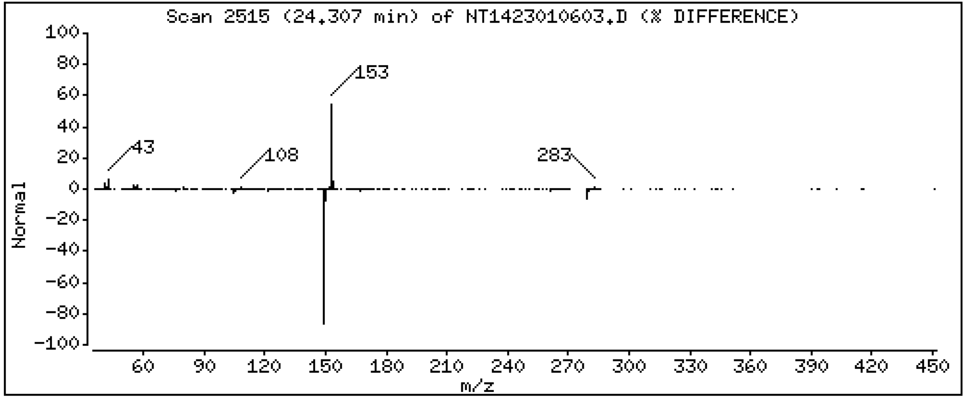
Column phase: ZB-5msi Column diameter: 0.25

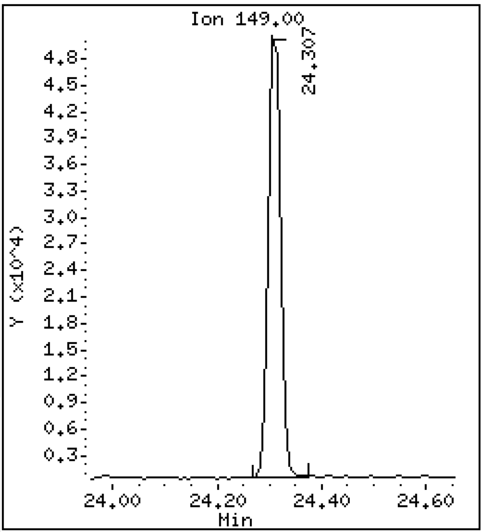
73 Di-n-octylphthalate Concentration: 0.4652 ug/mL


Scan 2515 (24.307 min) of NT1423010603.D


Scan 2515 (24.307 min) of NT1423010603.D (Subtracted)


73 Di-n-octylphthalate (Reference Spectrum)


Scan 2515 (24.307 min) of NT1423010603.D (% DIFFERENCE)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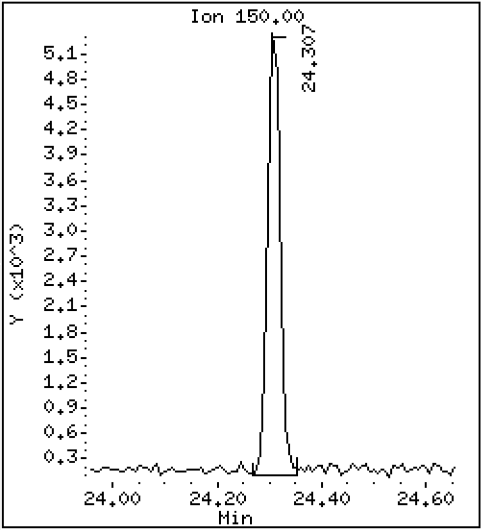
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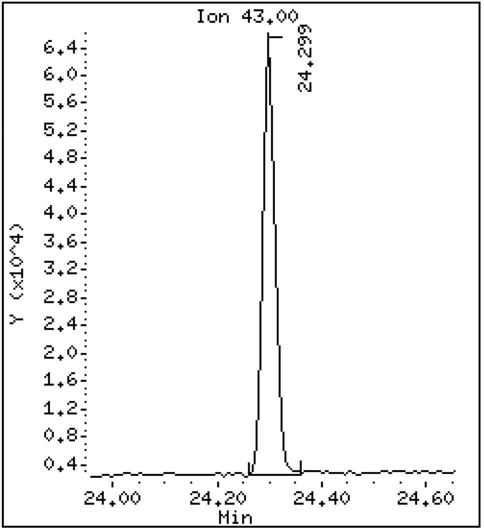

Ion 43.00

Data File: \\target\share\chem3\nt14.i\20230106.b\NT1423010603.D

Date : 06-JAN-2023 12:48

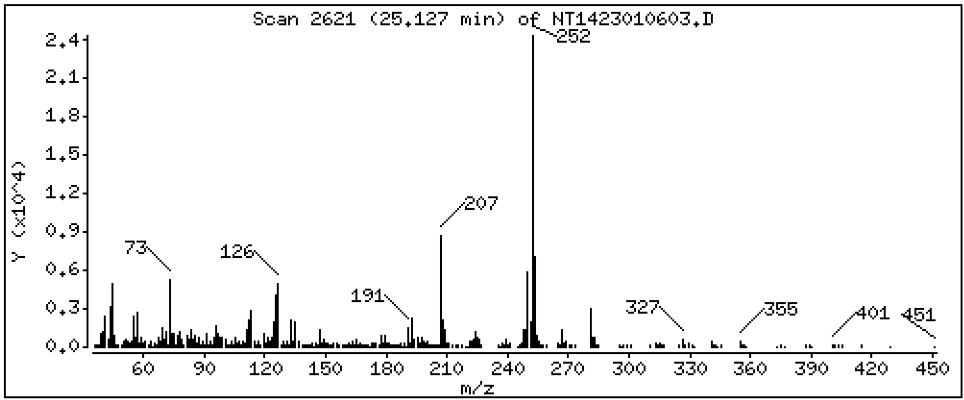
Client ID: Instrument: nt14.i

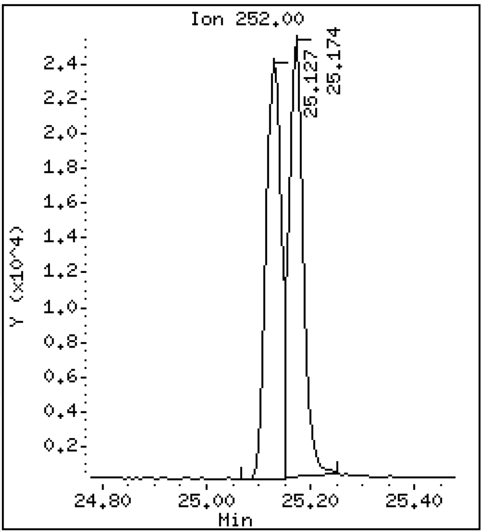
Sample Info: SLA0068-LCV1

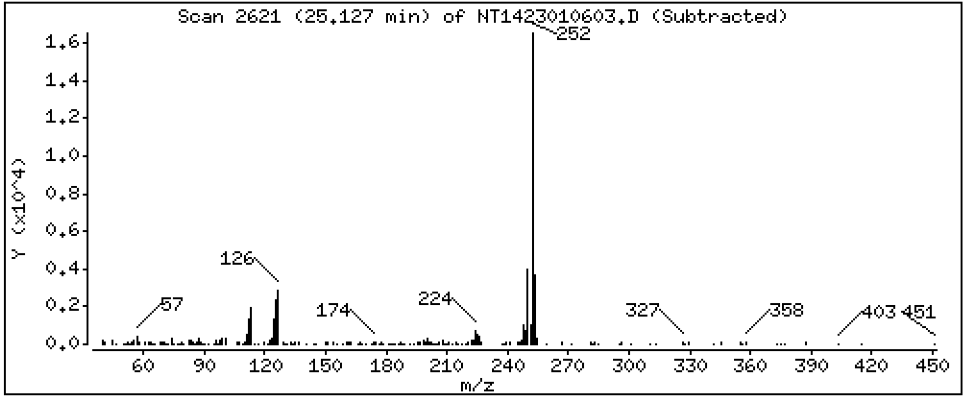
Operator: VTS

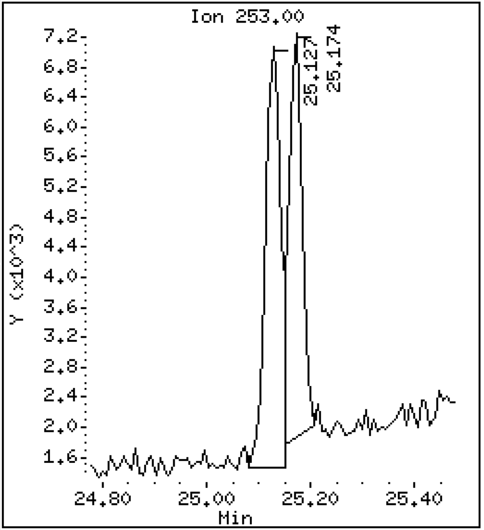
Column phase: ZB-5msi Column diameter: 0.25

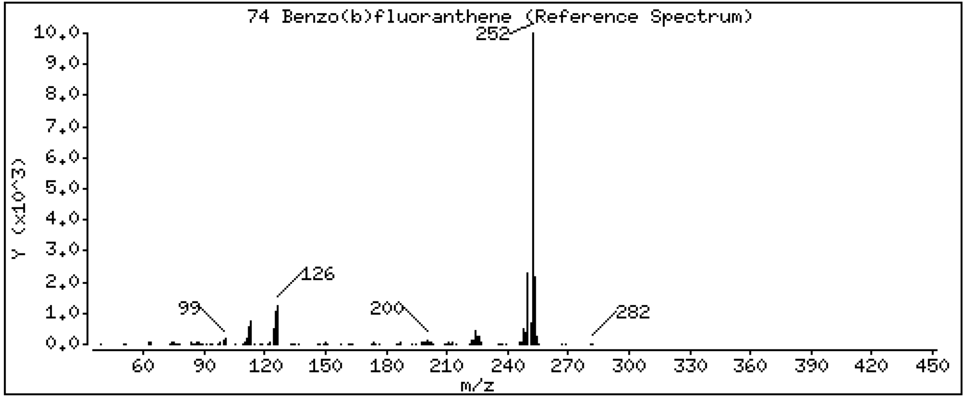
74 Benzo(b)fluoranthene Concentration: 0.4316 ug/mL

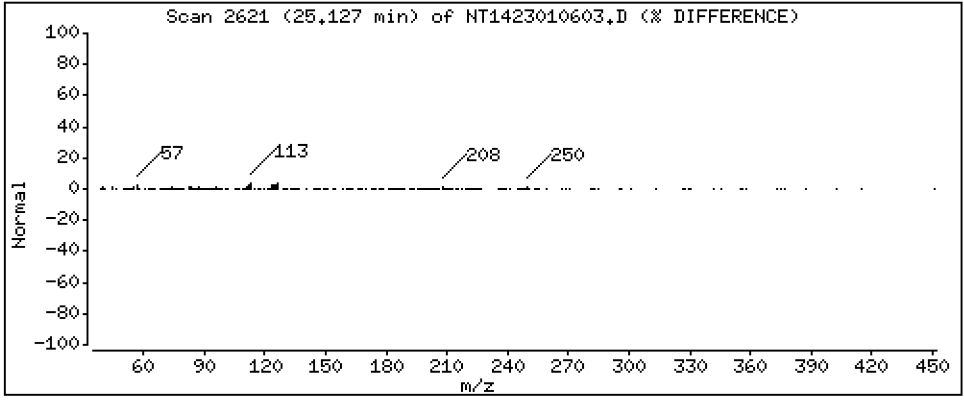


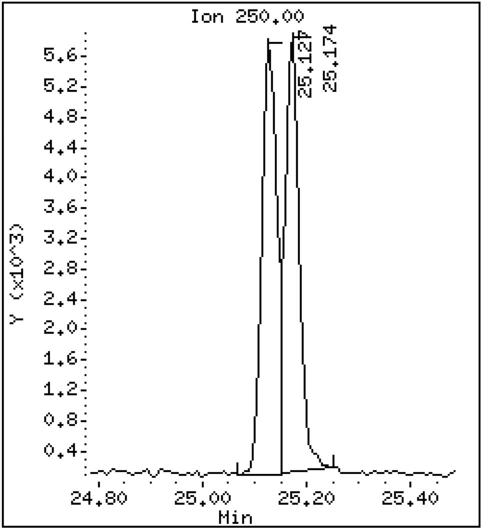












Data File: \\target\share\chem3\nt14.i\20230106.b\NT1423010603.D

Date : 06-JAN-2023 12:48

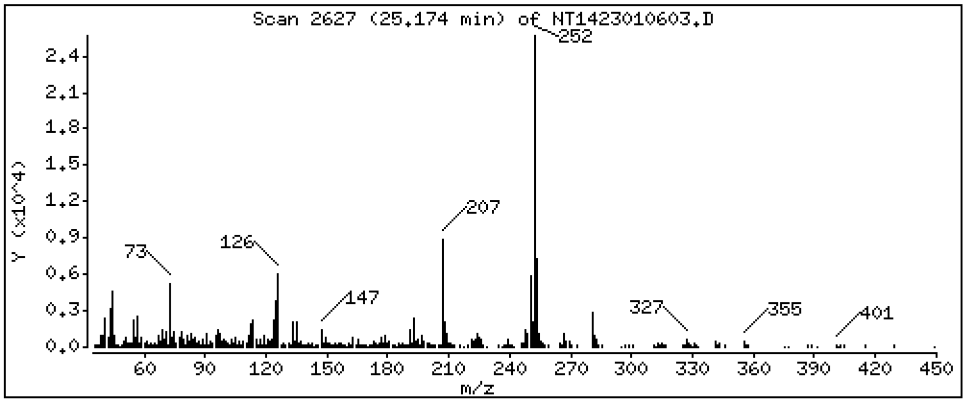
Client ID: Instrument: nt14.i

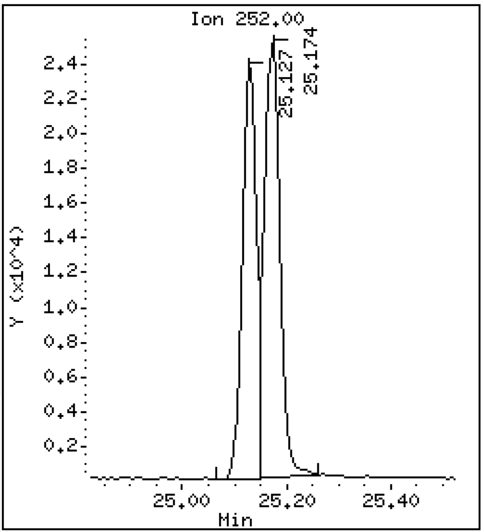
Sample Info: SLA0068-LCV1

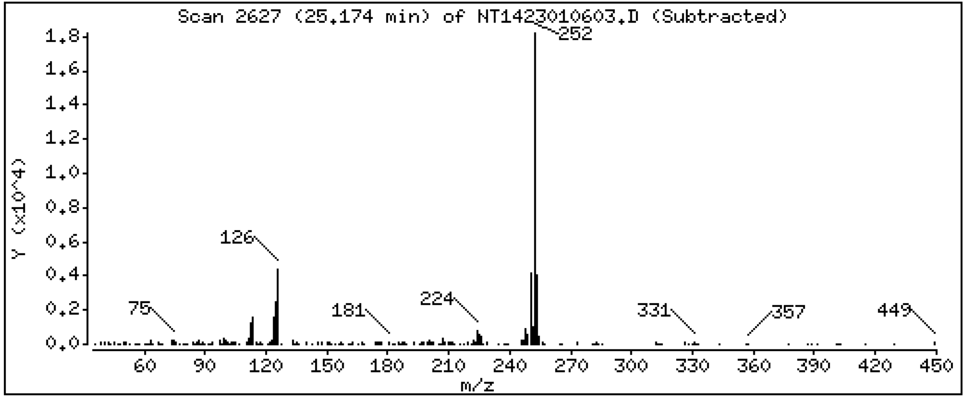
Operator: VTS

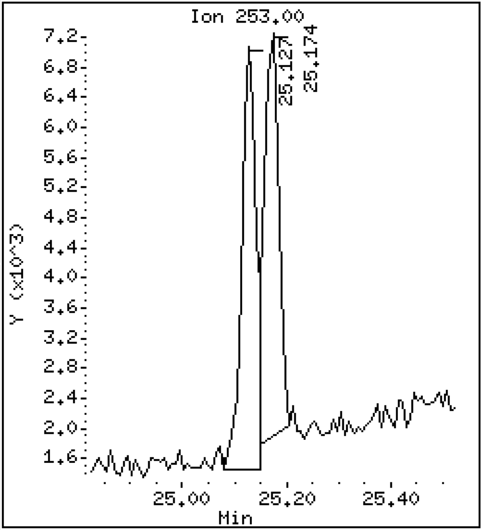
Column phase: ZB-5msi Column diameter: 0.25

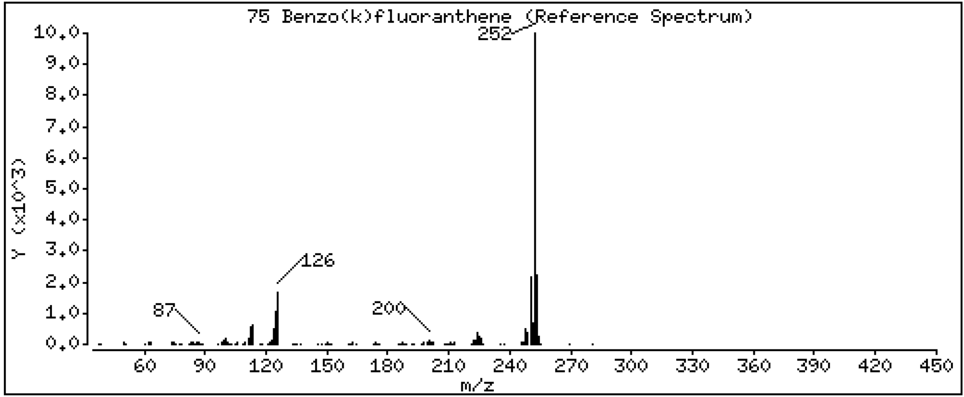
75 Benzo(k)fluoranthene Concentration: 0.4503 ug/mL

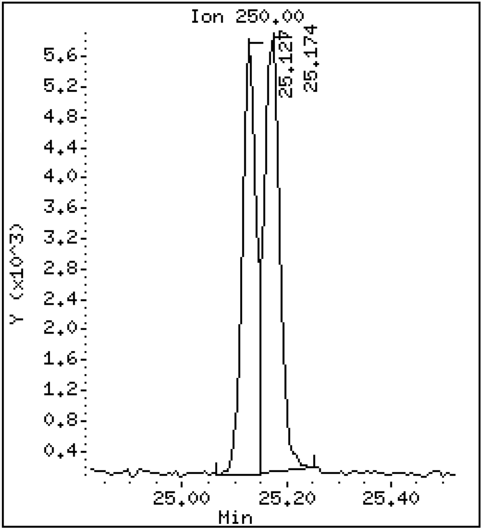


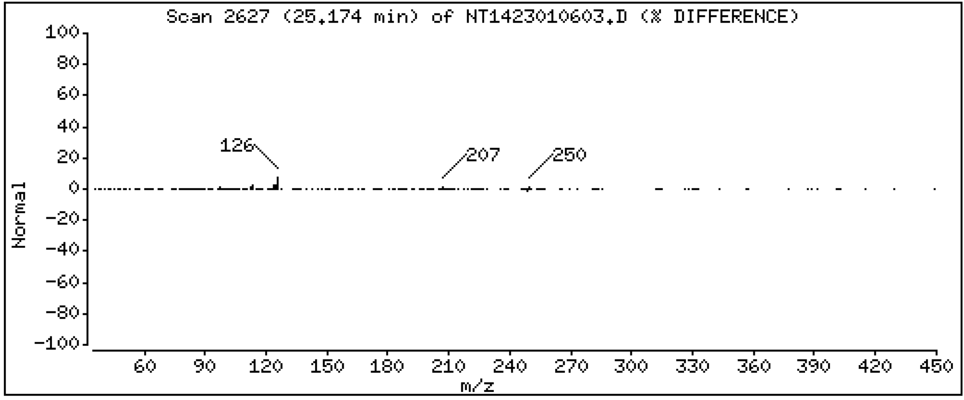












Data File: \\target\share\chem3\nt14.i\20230106.b\NT1423010603.D

Date : 06-JAN-2023 12:48

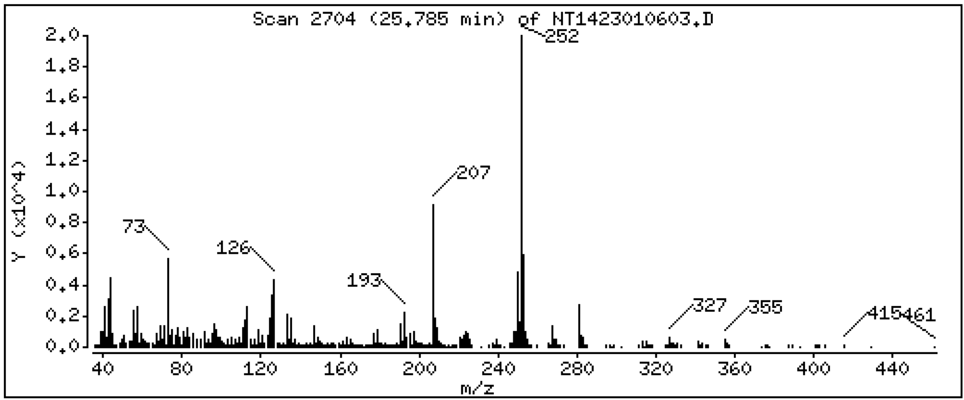
Client ID: Instrument: nt14.i

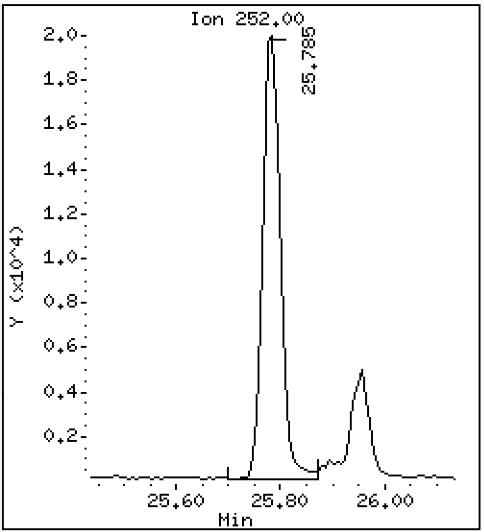
Sample Info: SLA0068-LCV1

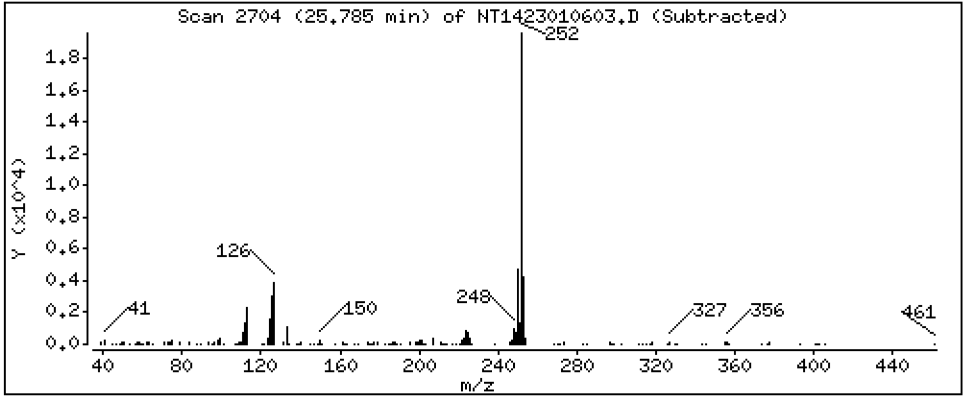
Operator: VTS

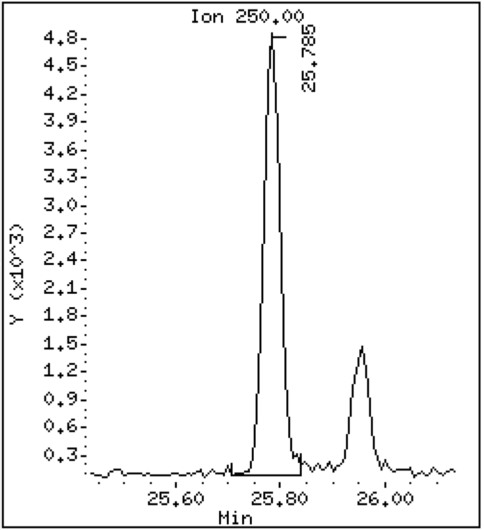
Column phase: ZB-5msi Column diameter: 0.25

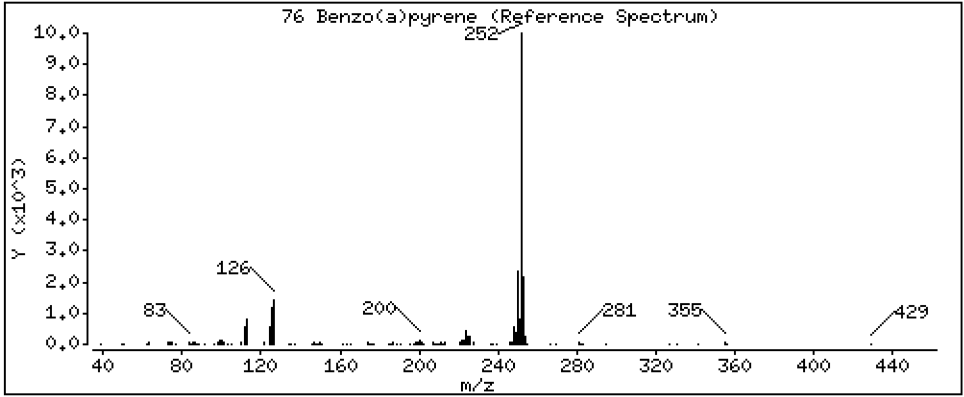
76 Benzo(a)pyrene Concentration: 0.4834 ug/mL

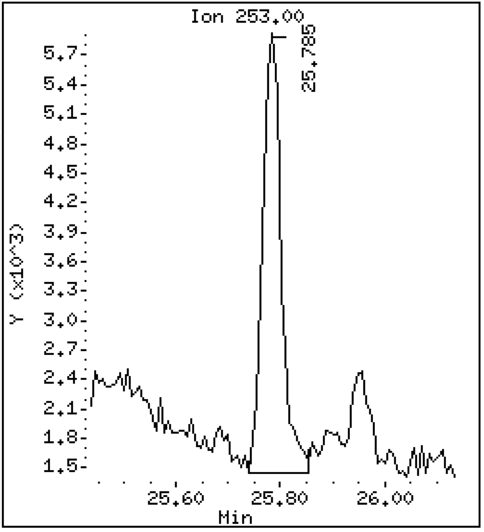


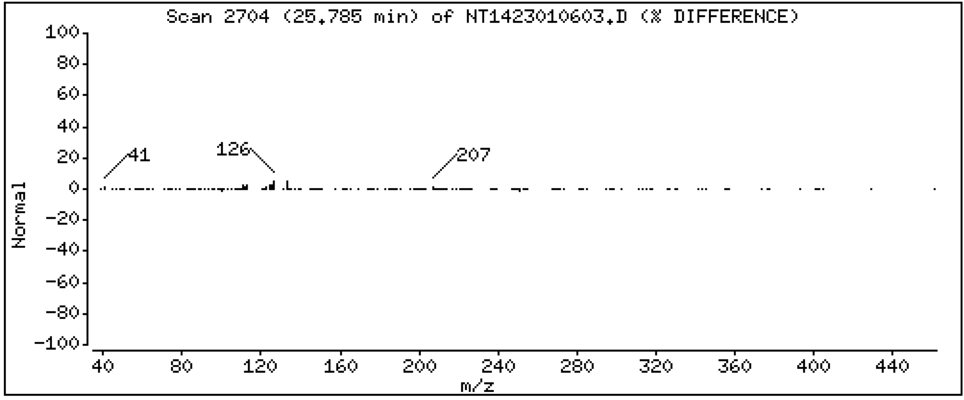












Date : 06-JAN-2023 12:48

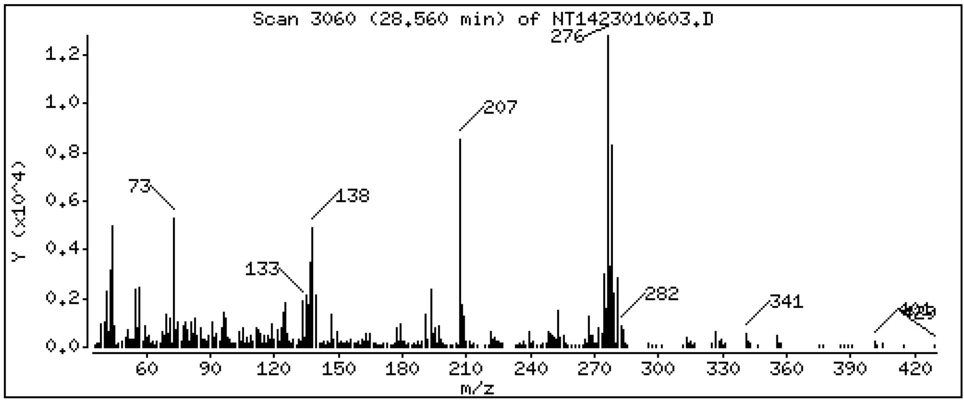
Client ID: Instrument: nt14.i

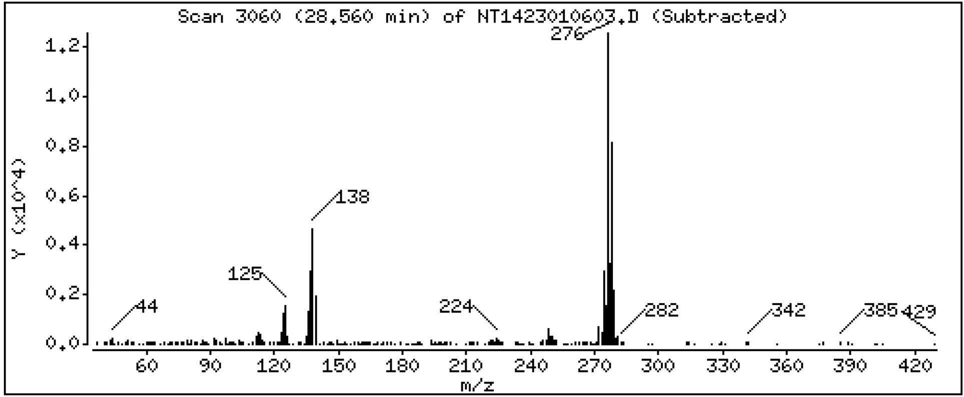
Sample Info: SLA0068-LCV1

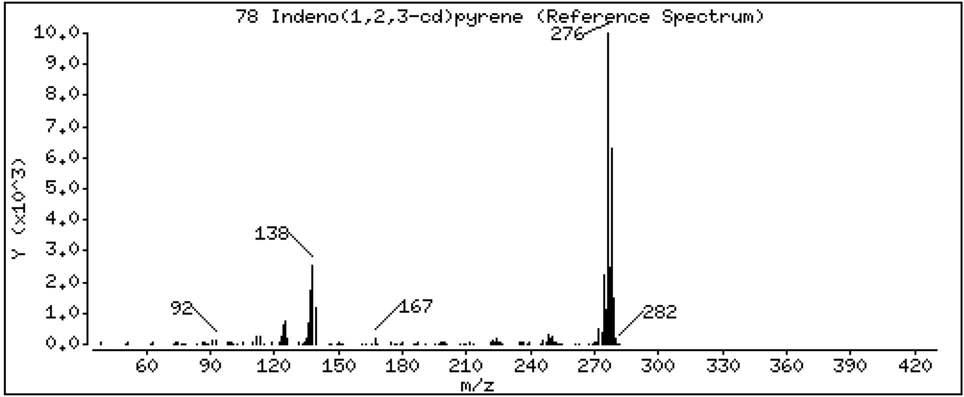
Operator: VTS

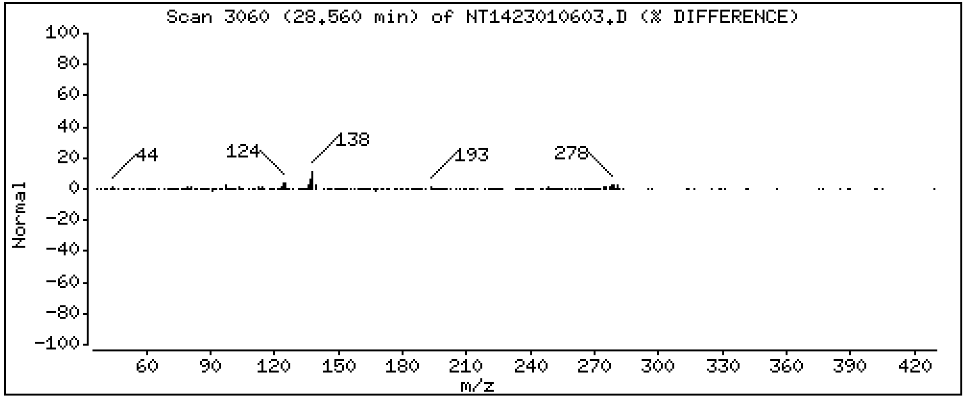
Column phase: ZB-5msi Column diameter: 0.25

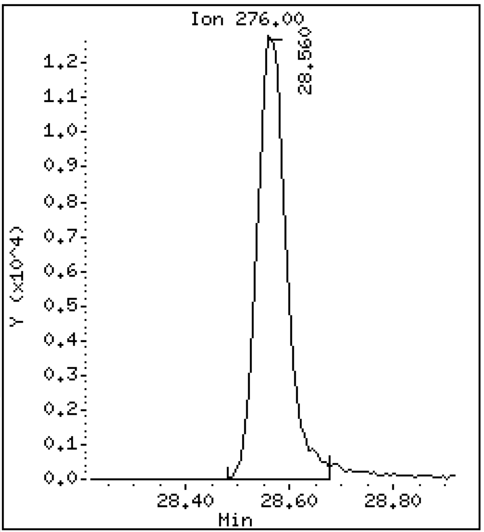
78 Indeno(1,2,3-cd)pyrene Concentration: 0.4679 ug/mL

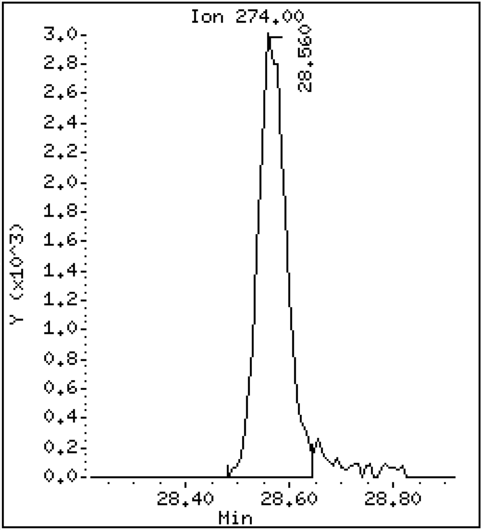

Scan 3060 (28.560 min) of NT1423010603.D

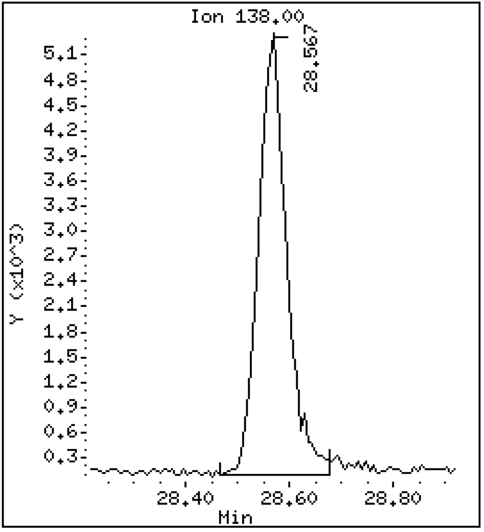

Scan 3060 (28.560 min) of NT1423010603.D (Subtracted)


78 Indeno(1,2,3-cd)pyrene (Reference Spectrum)


Scan 3060 (28.560 min) of NT1423010603.D (% DIFFERENCE)


Ion 276.00


Ion 274.00


Ion 138.00

Date : 06-JAN-2023 12:48

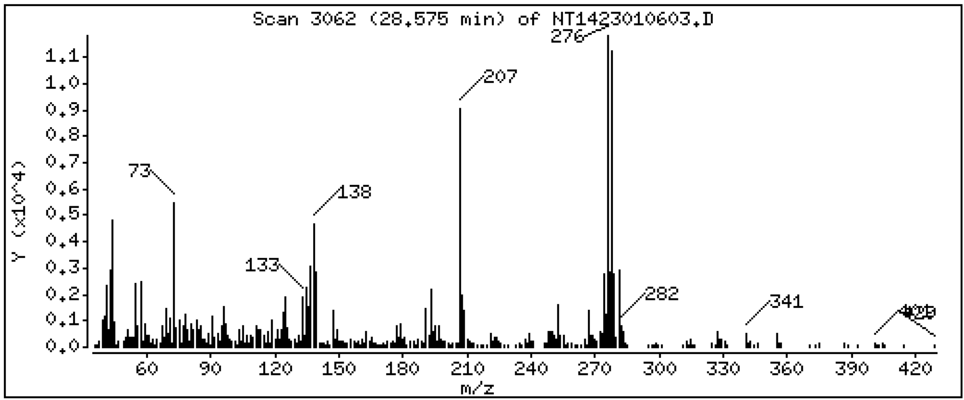
Client ID: Instrument: nt14.i

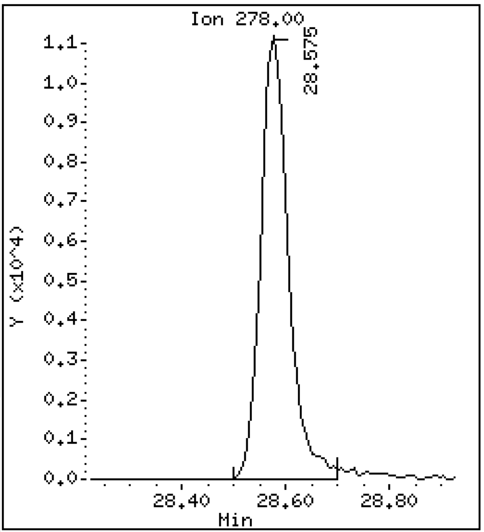
Sample Info: SLA0068-LCV1

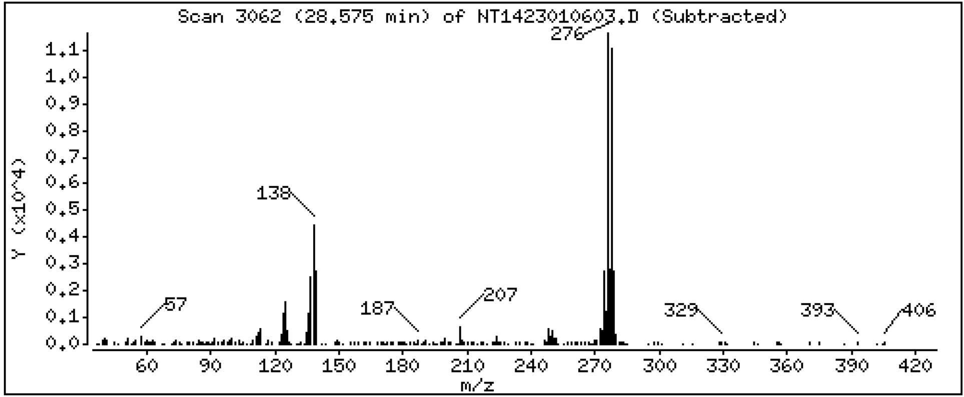
Operator: VTS

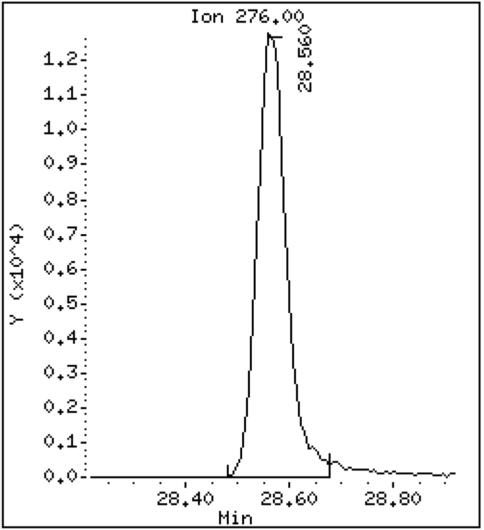
Column phase: ZB-5msi Column diameter: 0.25

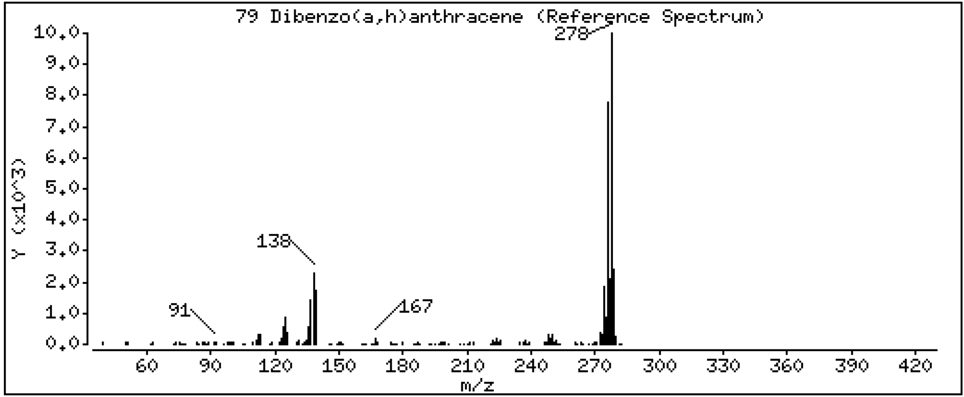
79 Dibenzo(a,h)anthracene Concentration: 0.4516 ug/mL

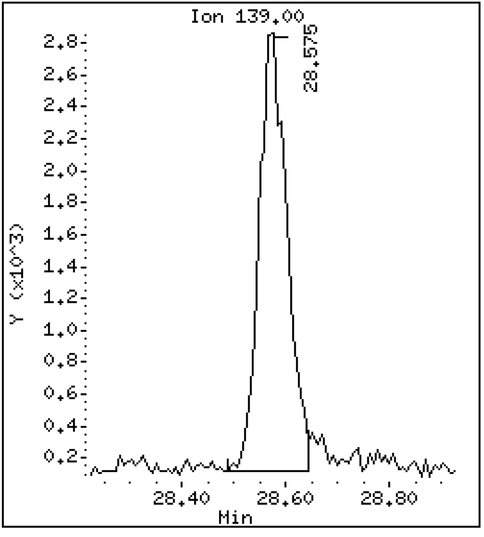

Scan 3062 (28.575 min) of NT1423010603.D

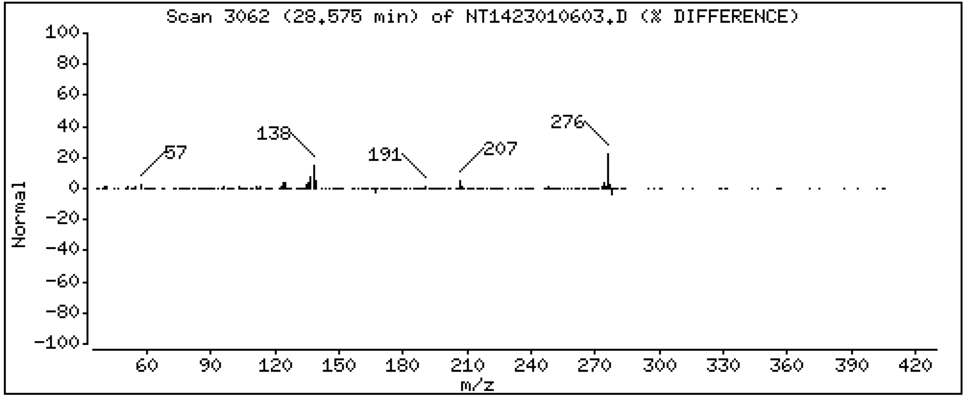

Ion 278.00


Scan 3062 (28.575 min) of NT1423010603.D (Subtracted)


Ion 276.00


79 Dibenzo(a,h)anthracene (Reference Spectrum)


Ion 139.00


Scan 3062 (28.575 min) of NT1423010603.D (% DIFFERENCE)

Data File: \\target\share\chem3\nt14.i\20230106.b\NT1423010603.D

Date : 06-JAN-2023 12:48

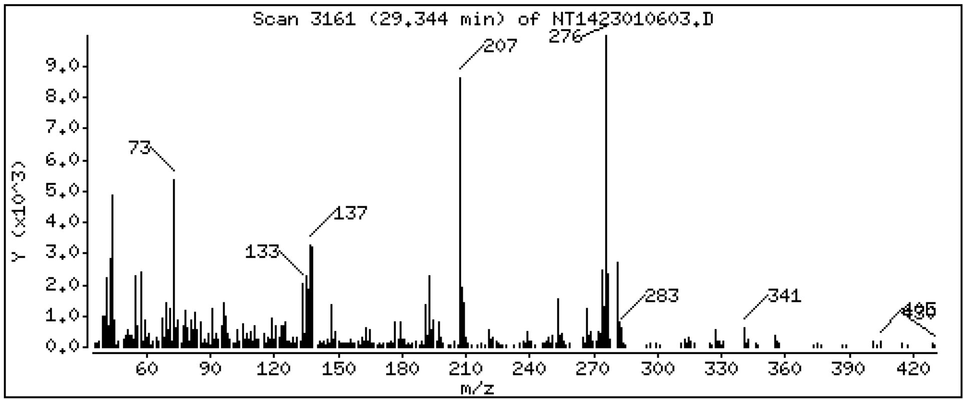
Client ID: Instrument: nt14.i

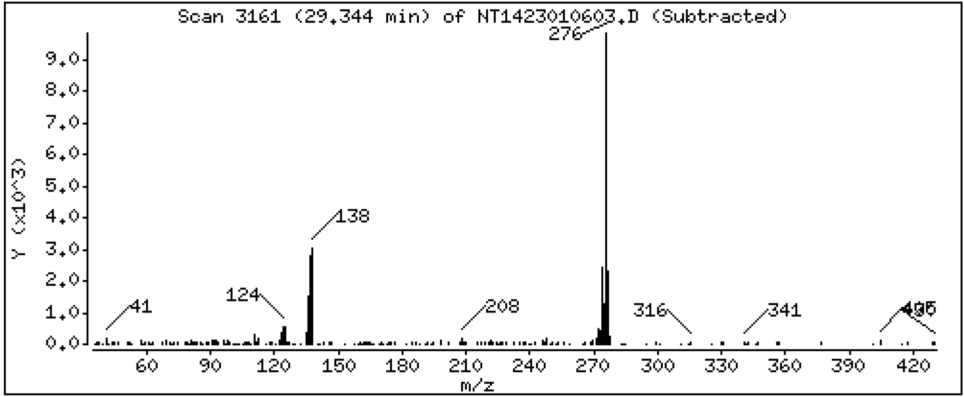
Sample Info: SLA0068-LCV1

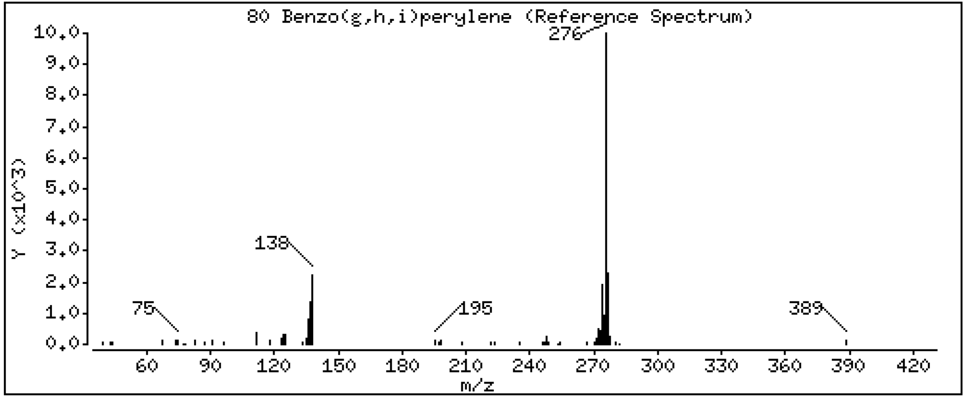
Operator: VTS

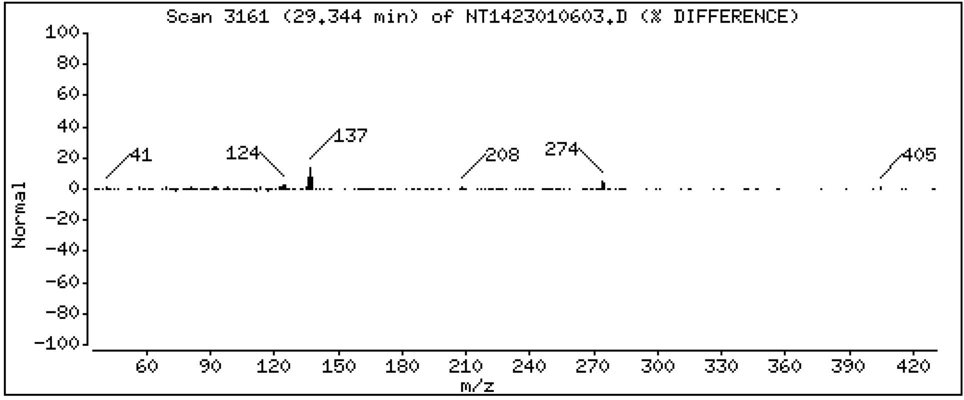
Column phase: ZB-5msi Column diameter: 0.25

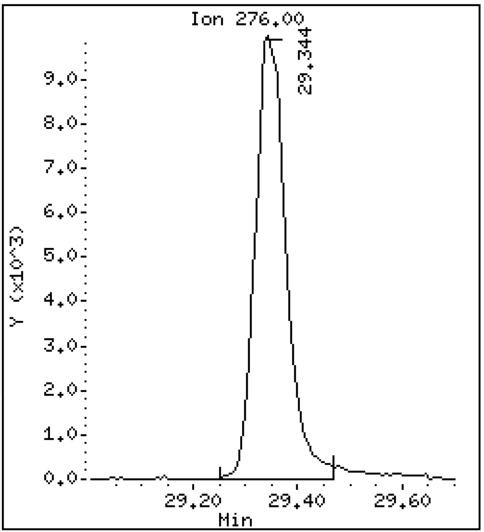
80 Benzo(g,h,i)perylene Concentration: 0.4629 ug/mL

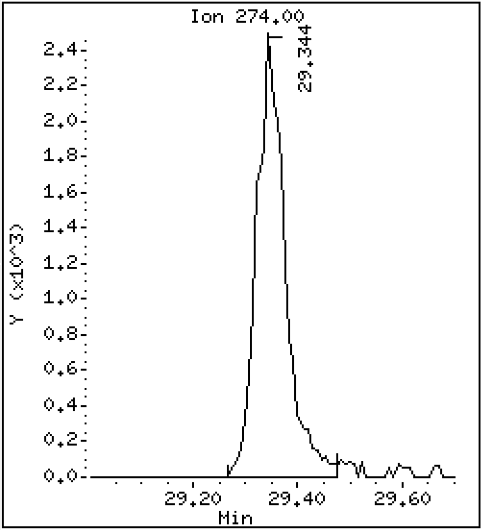


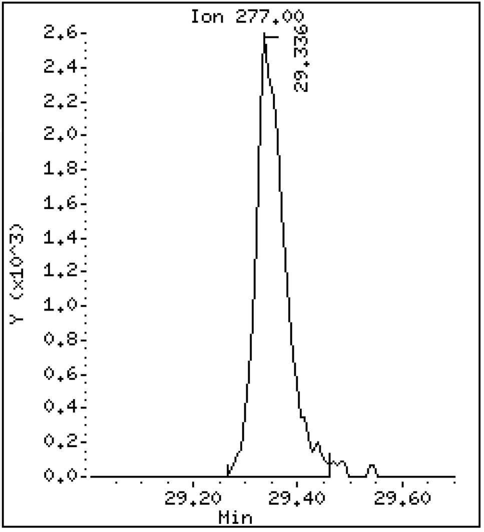












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Date : 06-JAN-2023 12:48

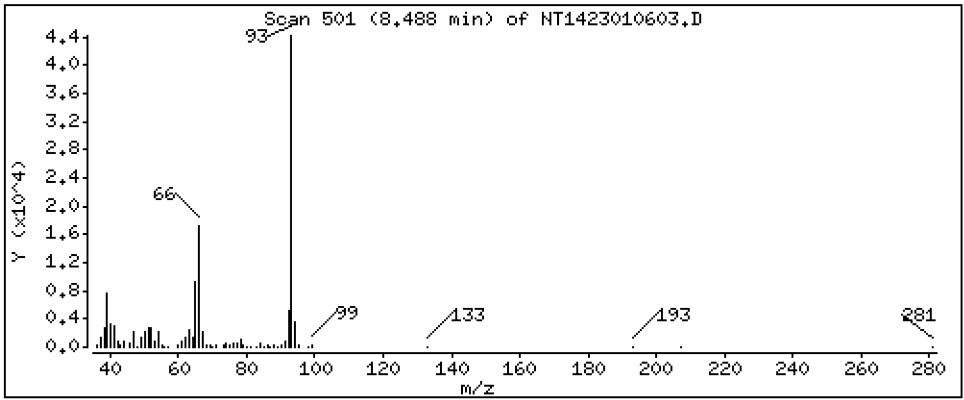
Client ID: Instrument: nt14.i

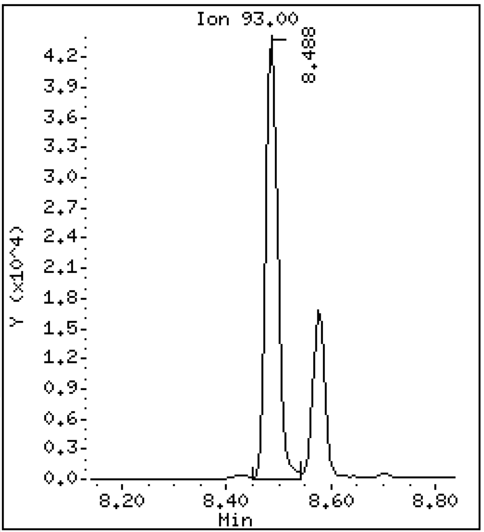
Sample Info: SLA0068-LCV1

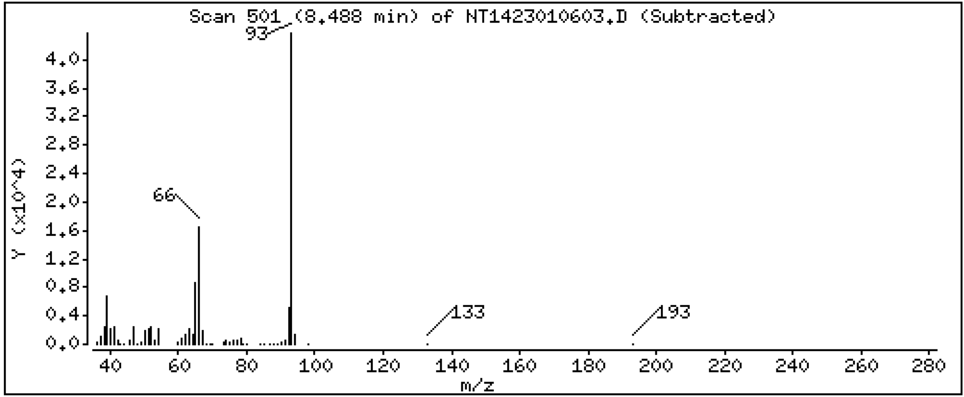
Operator: VTS

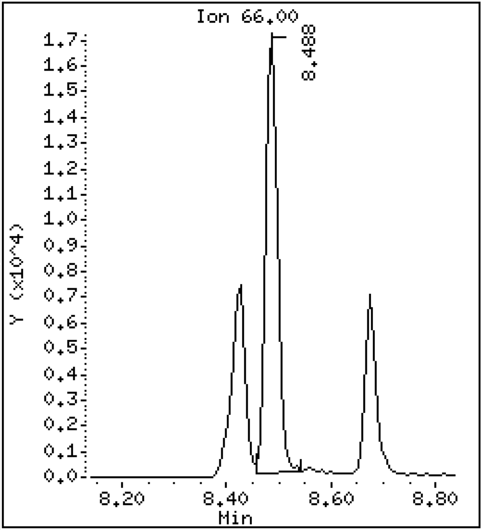
Column phase: ZB-5msi Column diameter: 0.25

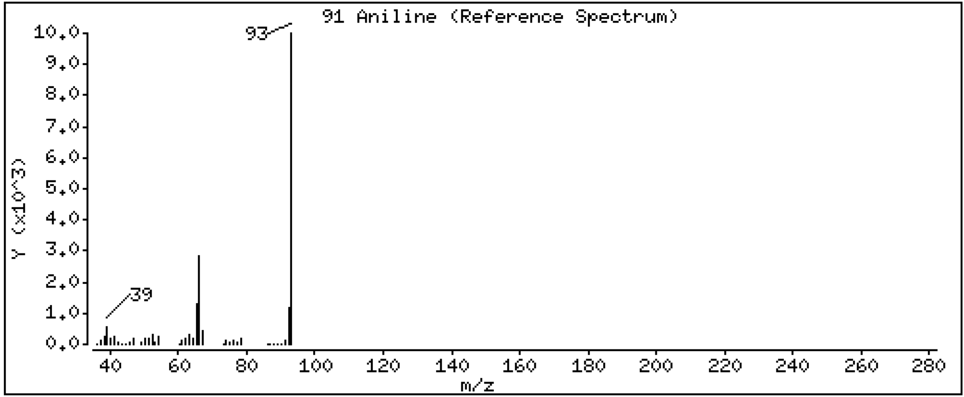
91 Aniline Concentration: 0.9312 ug/mL

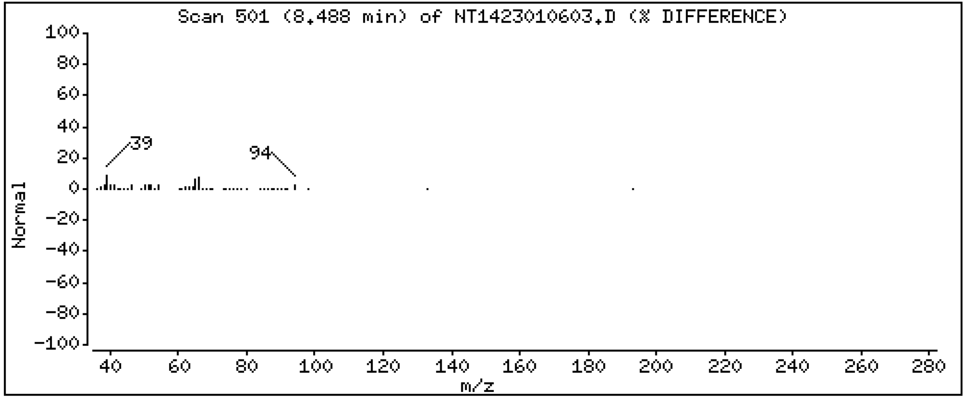


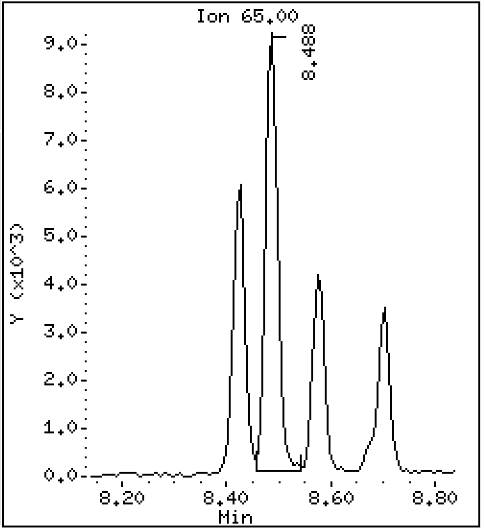












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Date : 06-JAN-2023 12:48

Client ID:

Instrument: nt14.i

Sample Info: SLA0068-LCV1

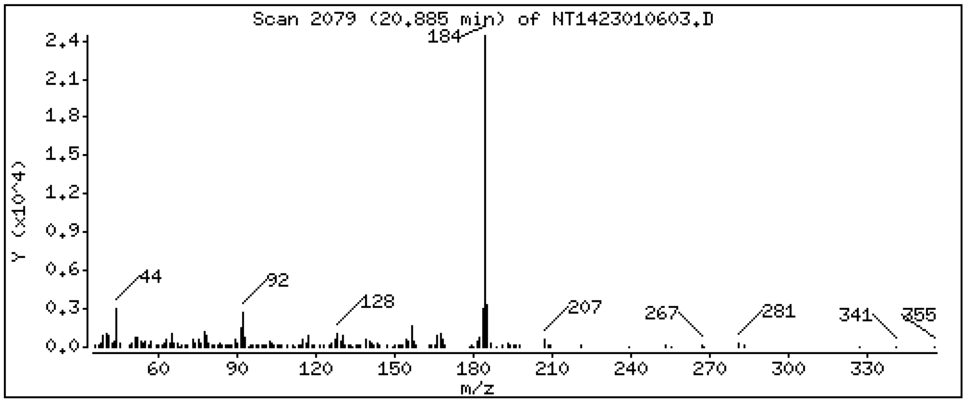
Operator: VTS

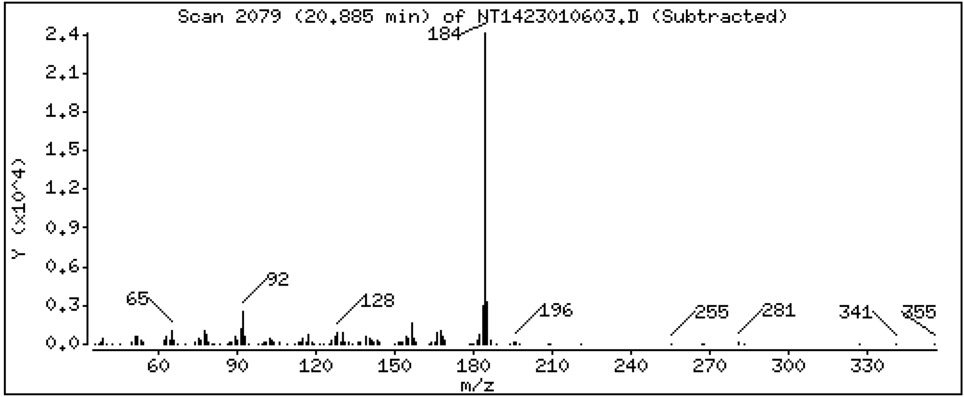
Column phase: ZB-5msi

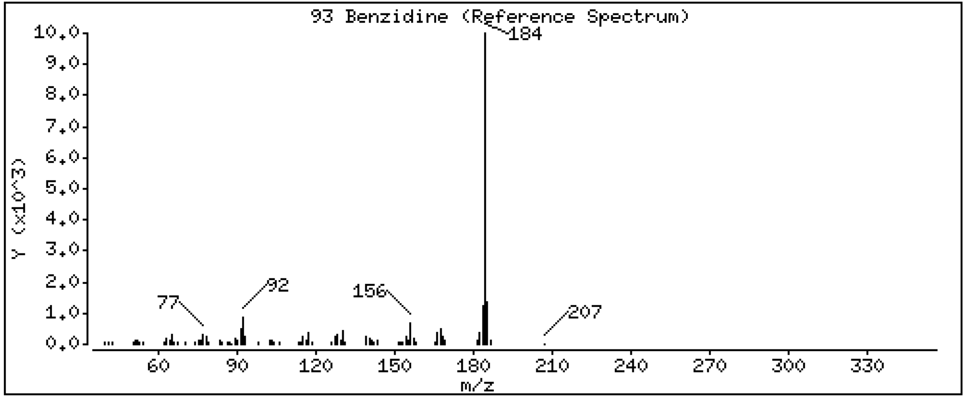
Column diameter: 0.25

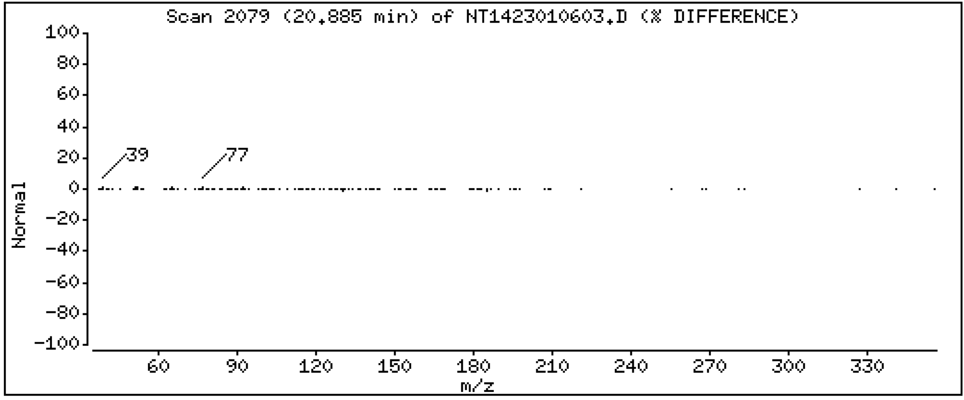
93 Benzidine

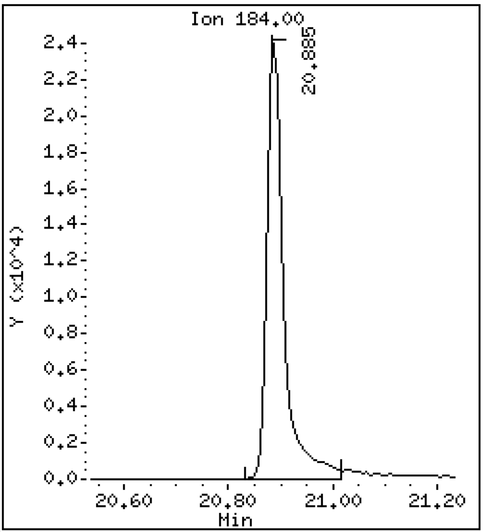
Concentration: 1.100 ug/mL

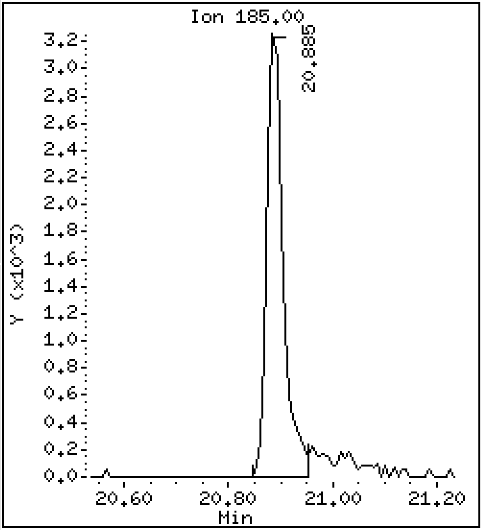


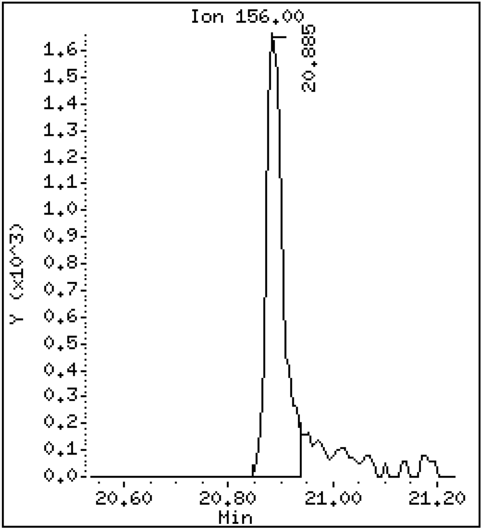












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Date : 06-JAN-2023 12:48

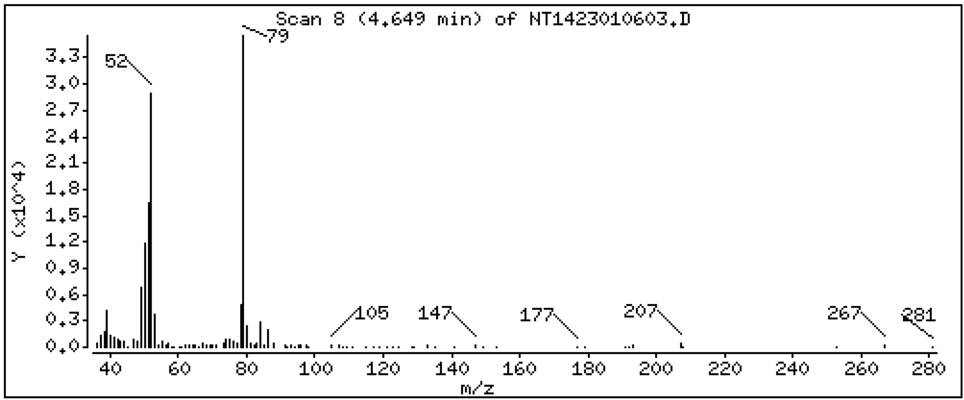
Client ID: Instrument: nt14.i

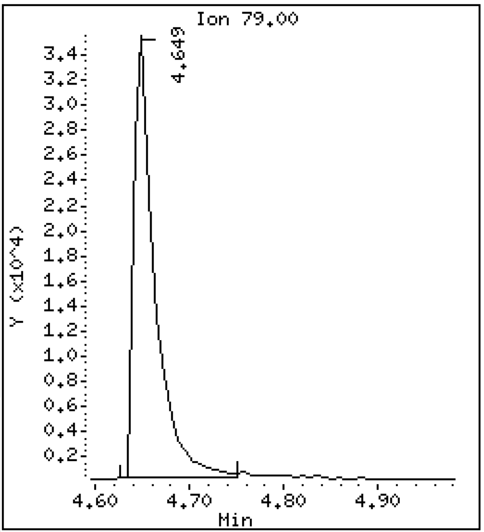
Sample Info: SLA0068-LCV1

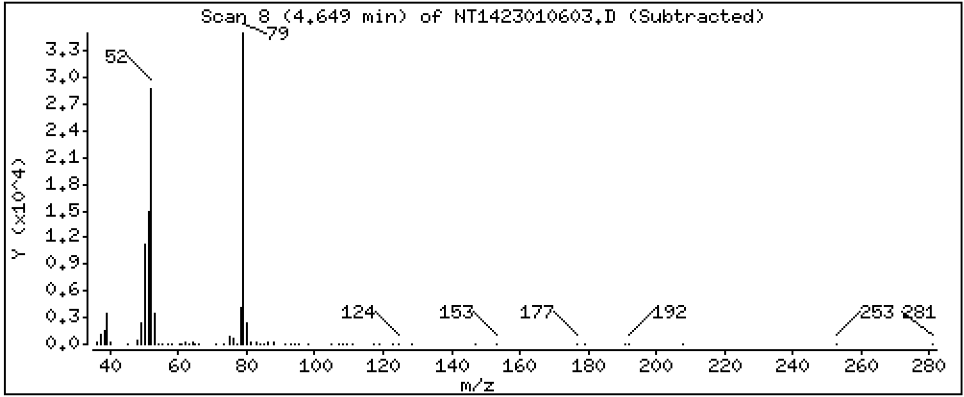
Operator: VTS

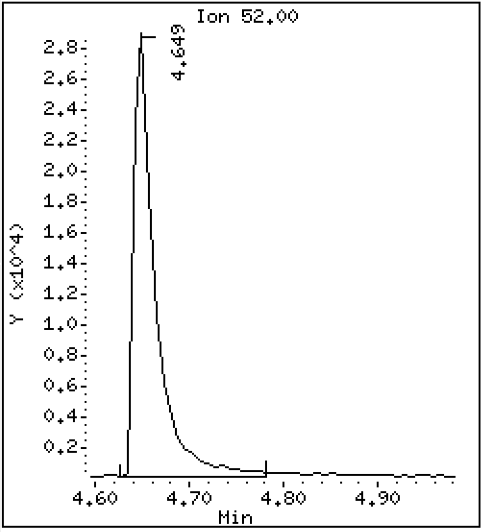
Column phase: ZB-5msi Column diameter: 0.25

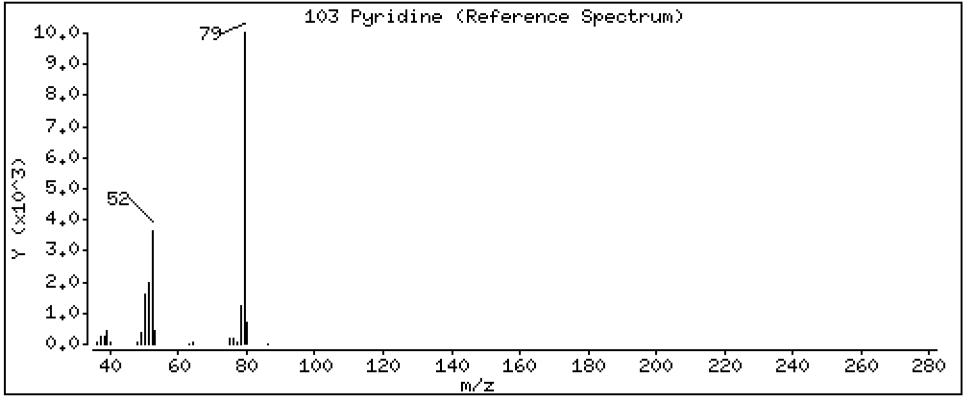
103 Pyridine Concentration: 0.4878 ug/mL

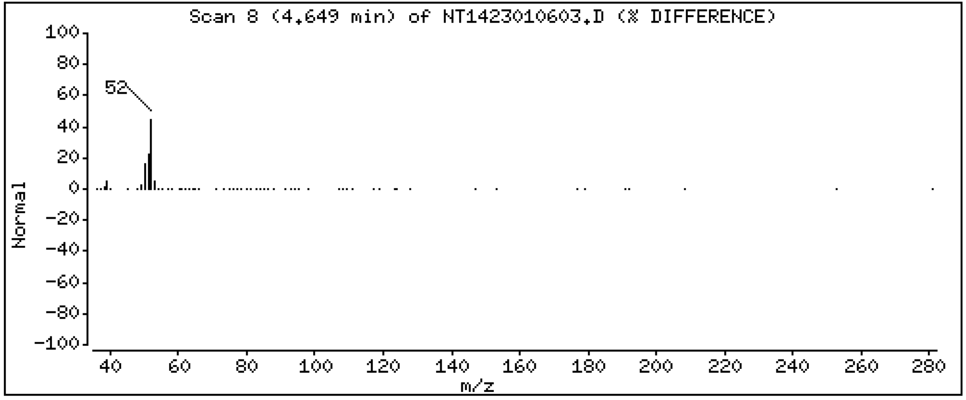












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Date : 06-JAN-2023 12:48

Client ID:

Instrument: nt14.i

Sample Info: SLA0068-LCV1

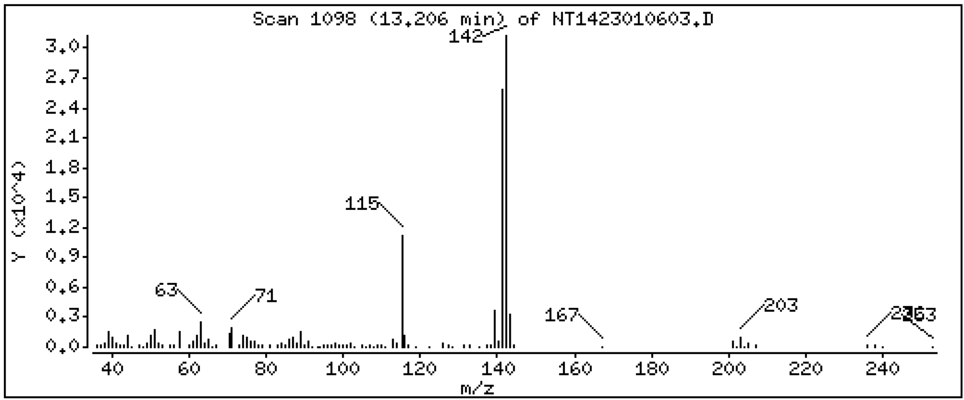
Operator: VTS

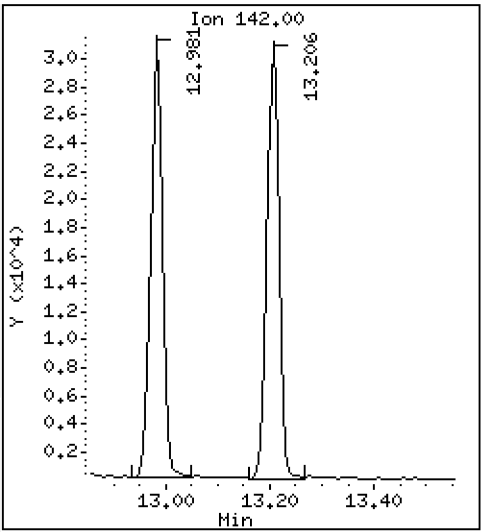
Column phase: ZB-5msi

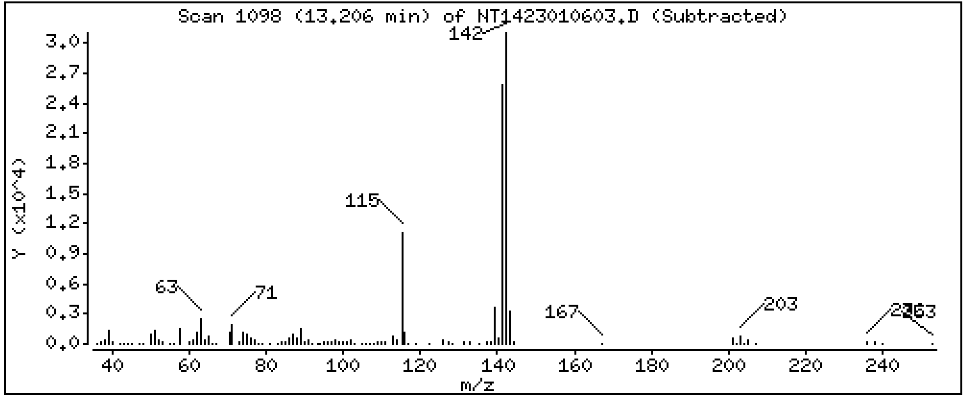
Column diameter: 0.25

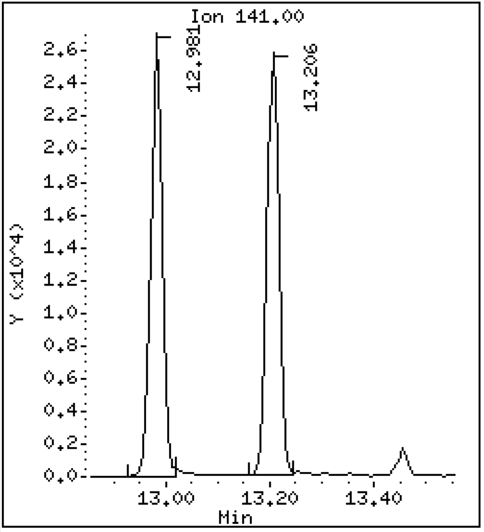
105 1-methylnaphthalene

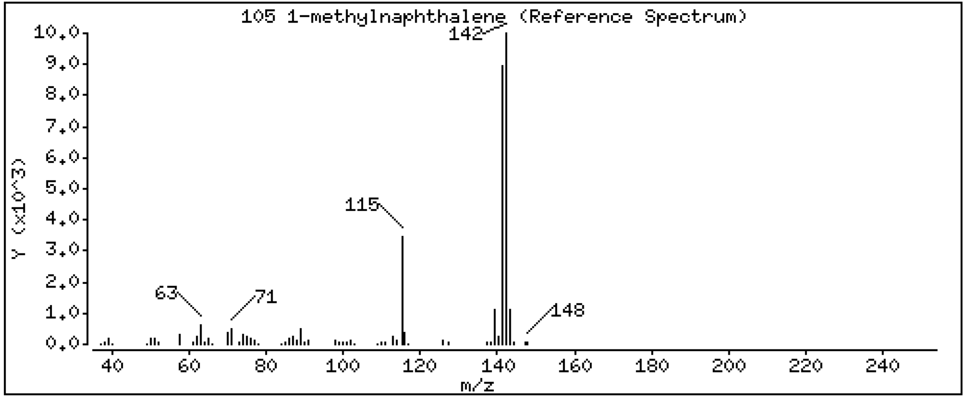
Concentration: 0.4366 ug/mL

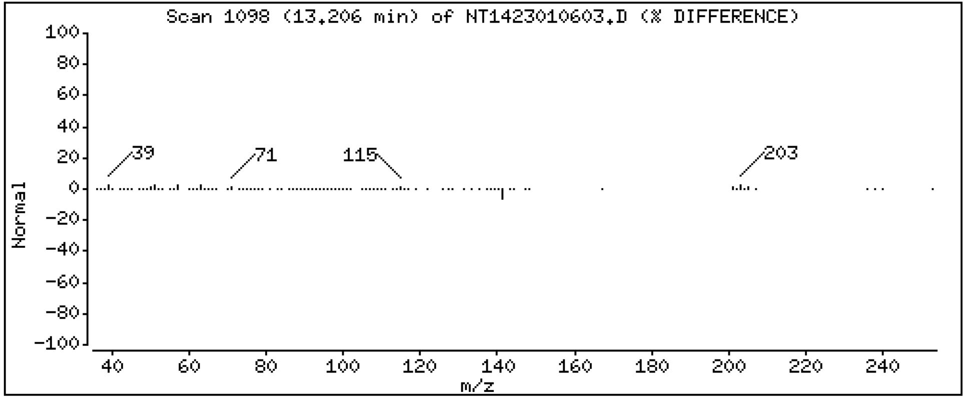












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Date : 06-JAN-2023 12:48

Client ID:

Instrument: nt14.i

Sample Info: SLA0068-LCV1

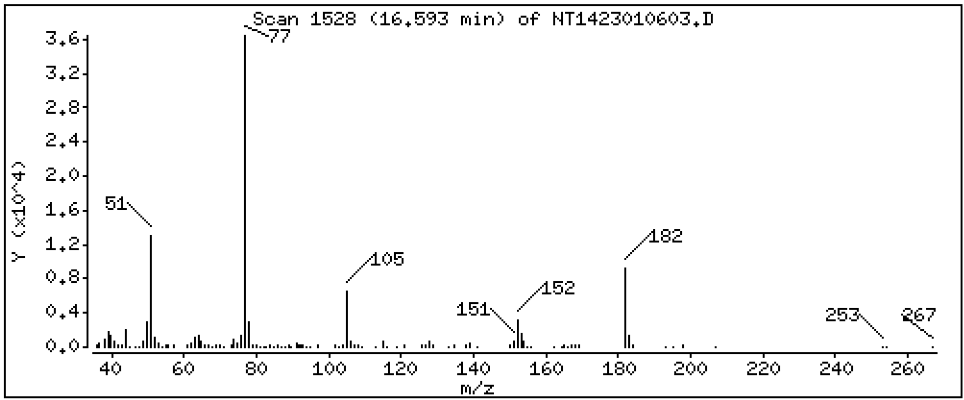
Operator: VTS

Column phase: ZB-5msi

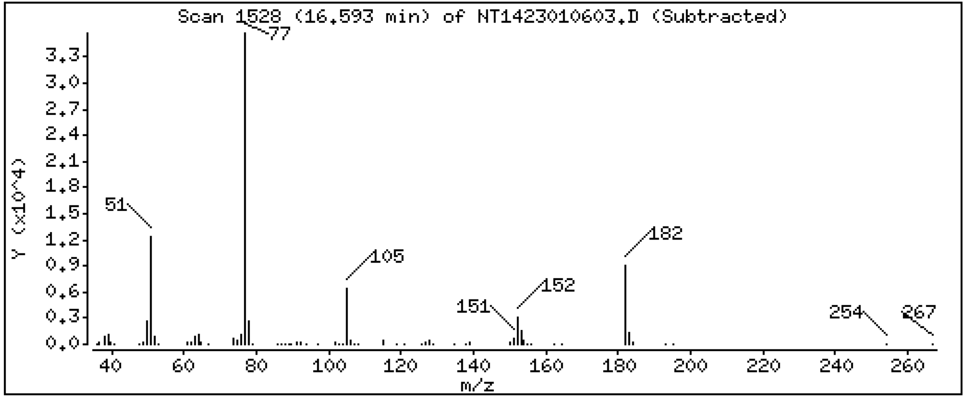
Column diameter: 0.25

111 Azobenzene (1,2-DP-Hydrazine)

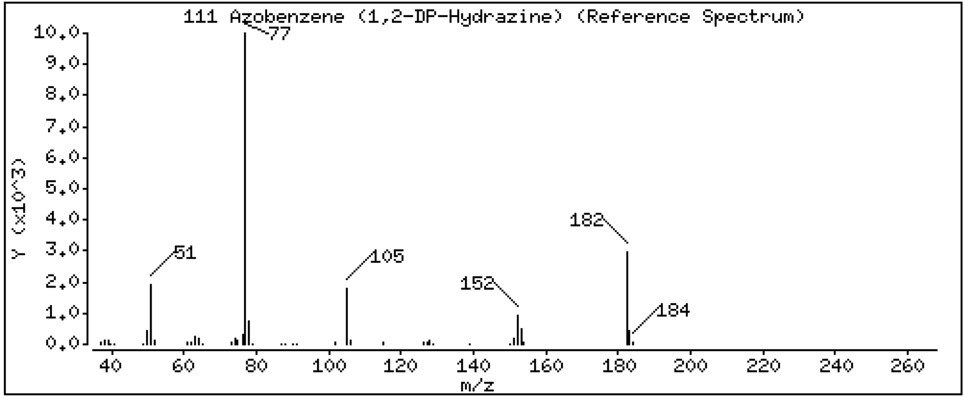
Concentration: 0.5482 ug/mL



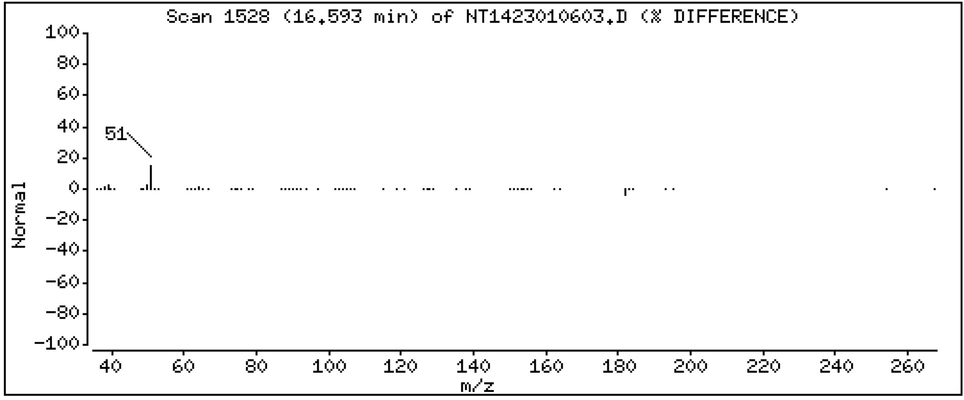
Scan 1528 (16.593 min) of NT1423010603.D



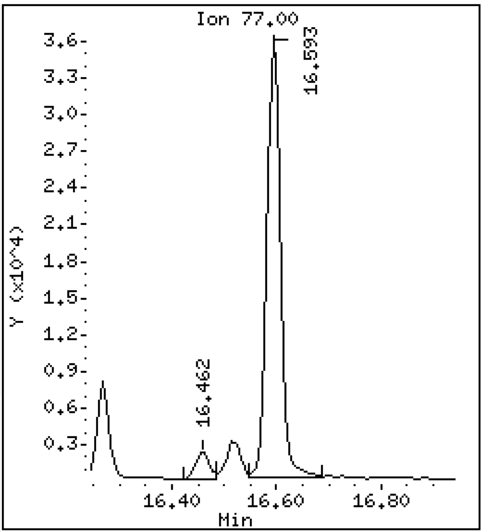
Scan 1528 (16.593 min) of NT1423010603.D (Subtracted)



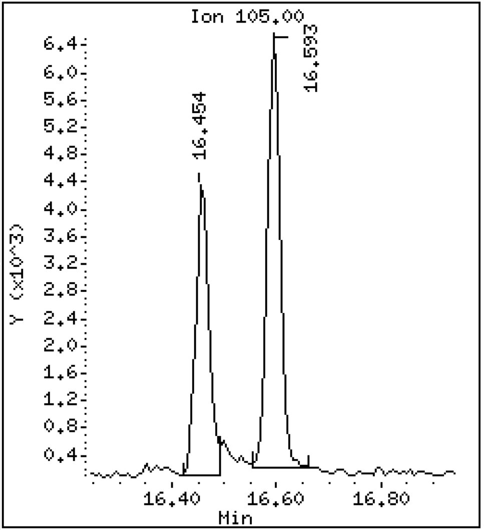
111 Azobenzene (1,2-DP-Hydrazine) (Reference Spectrum)



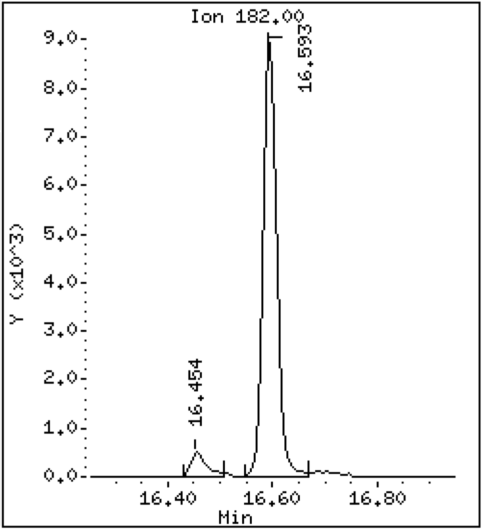
Scan 1528 (16.593 min) of NT1423010603.D (% DIFFERENCE)



Ion 77.00



Ion 105.00



Ion 182.00

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Date : 06-JAN-2023 12:48

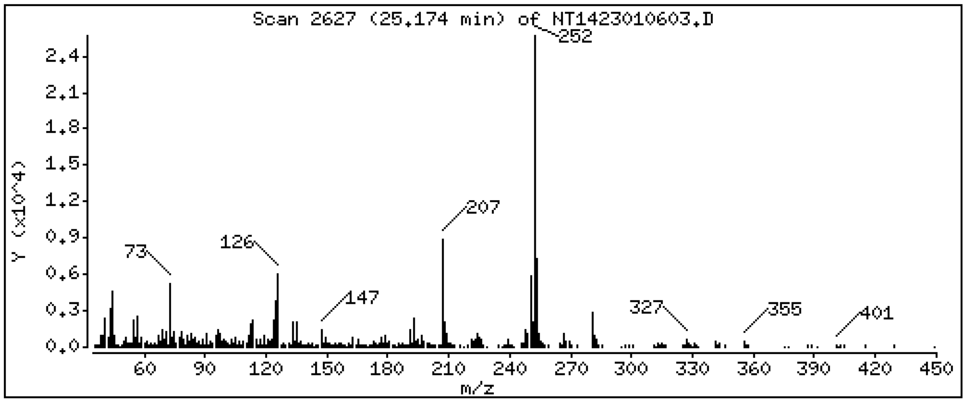
Client ID: Instrument: nt14.i

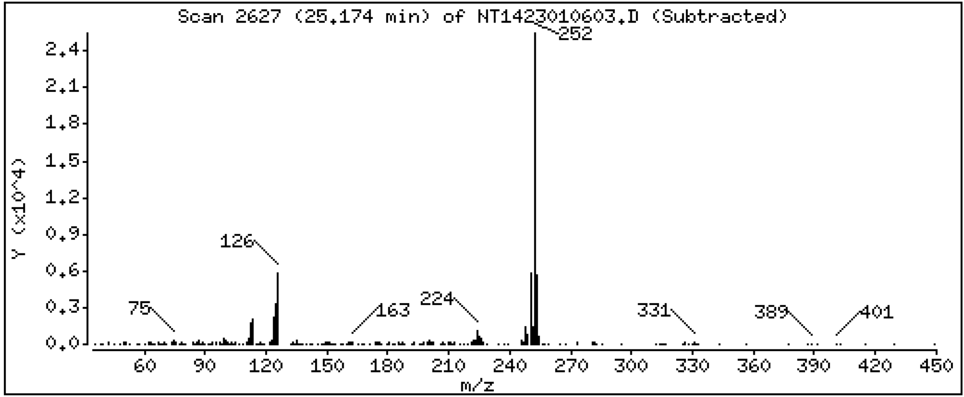
Sample Info: SLA0068-LCV1

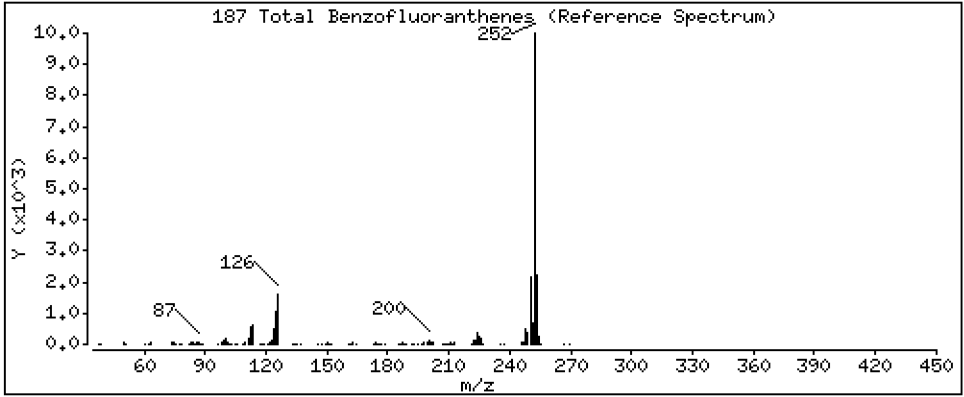
Operator: VTS

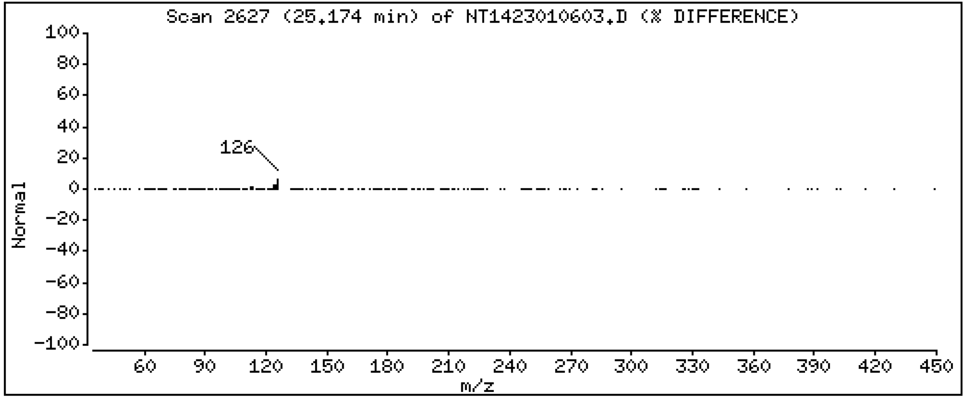
Column phase: ZB-5msi Column diameter: 0.25

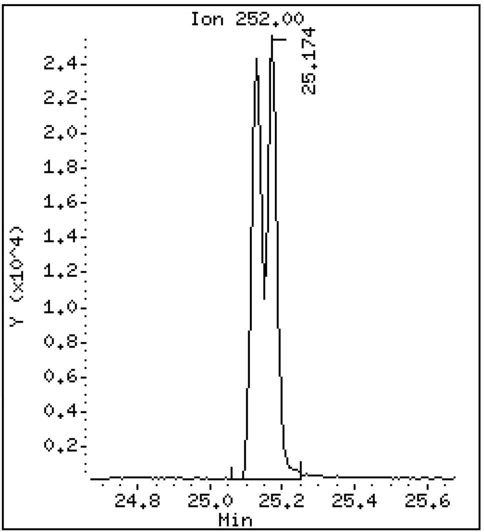
187 Total Benzofluoranthenes Concentration: 0.8865 ug/mL

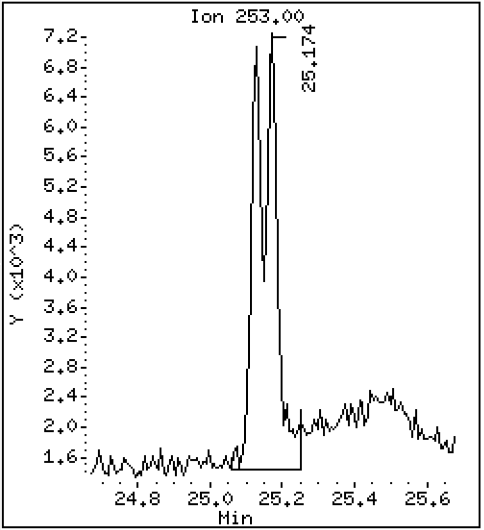

Scan 2627 (25.174 min) of NT1423010603.D

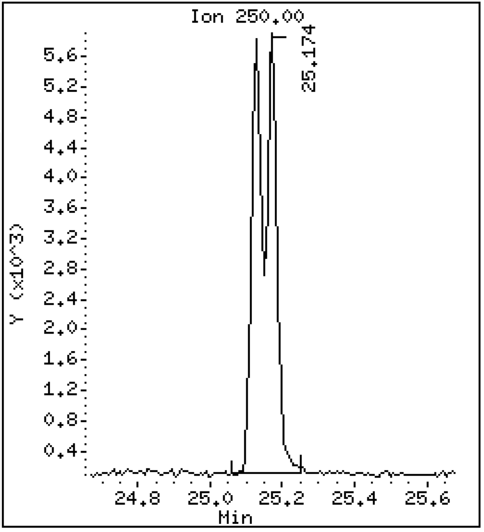

Scan 2627 (25.174 min) of NT1423010603.D (Subtracted)


187 Total Benzofluoranthenes (Reference Spectrum)


Scan 2627 (25.174 min) of NT1423010603.D (% DIFFERENCE)


Ion 252.00


Ion 253.00


Ion 250.00

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Date : 06-JAN-2023 12:48

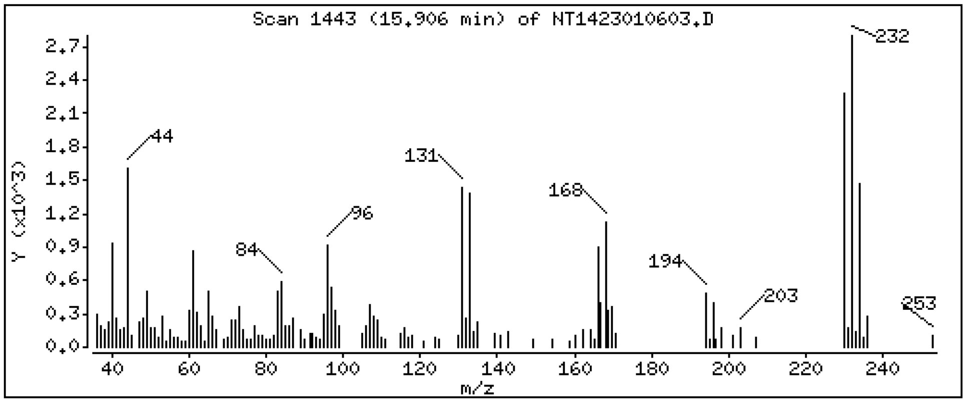
Client ID: Instrument: nt14.i

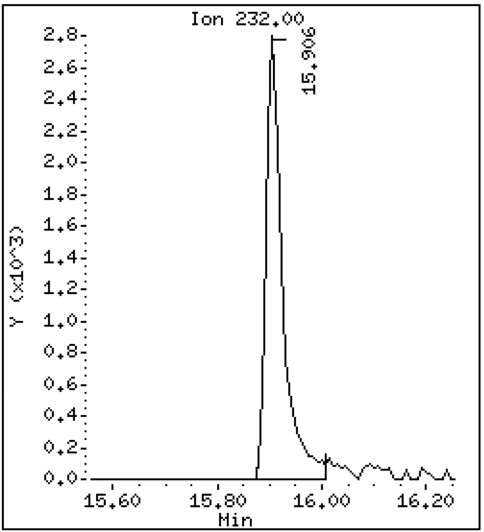
Sample Info: SLA0068-LCV1

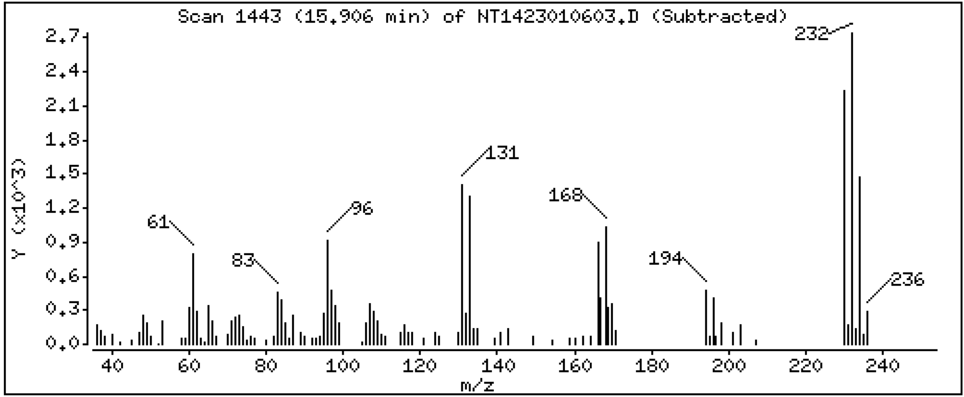
Operator: VTS

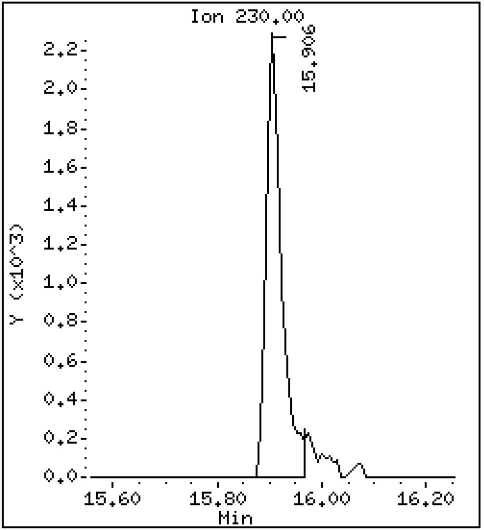
Column phase: ZB-5msi Column diameter: 0.25

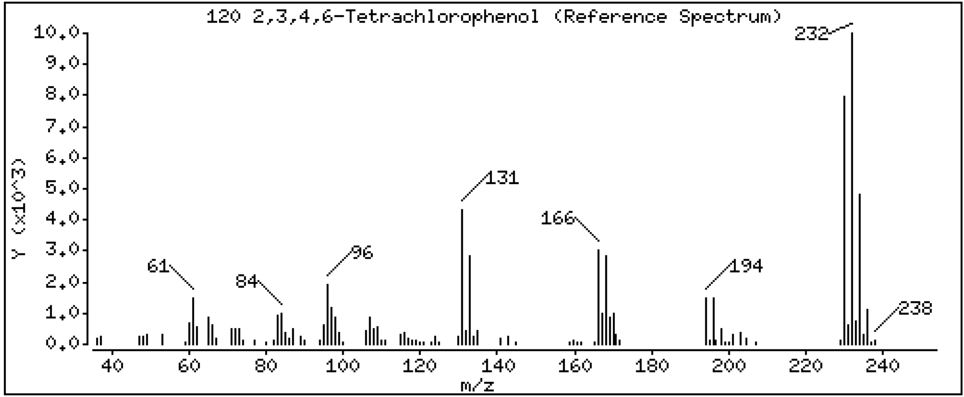
120 2,3,4,6-Tetrachlorophenol Concentration: 0.2797 ug/mL

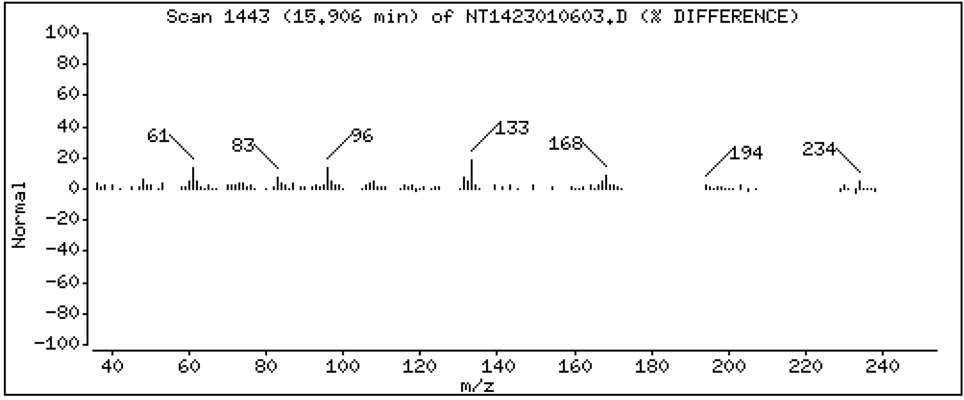

Scan 1443 (15.906 min) of NT1423010603.D

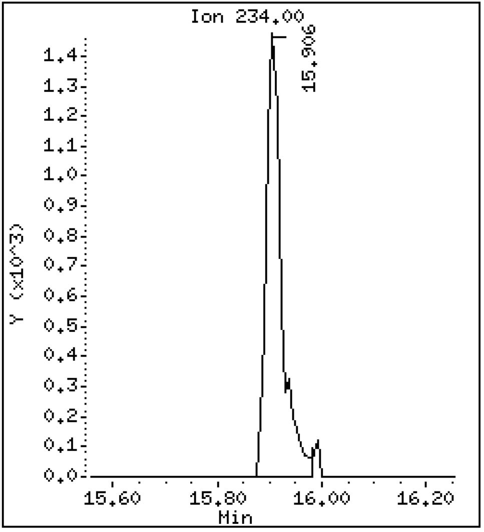

Ion 232.00


Scan 1443 (15.906 min) of NT1423010603.D (Subtracted)


Ion 230.00


120 2,3,4,6-Tetrachlorophenol (Reference Spectrum)


Scan 1443 (15.906 min) of NT1423010603.D (% DIFFERENCE)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Report Date: 09-Jan-2023 15:25


                                   ARI Labs, Inc.

                       Semivolatile Report SW846 Method 8270D
Data file : \\target\share\chem3\nt14.i\20230106.b\NT1423010603.D
Lab Smp Id: SLA0068-LCV1
Inj Date  : 06-JAN-2023 12:48           MS Autotune Date: 17-MAY-2011 01:22
Operator  : VTS                         Inst ID: nt14.i
Smp Info  : SLA0068-LCV1
Misc Info :
Comment   : 1ul Injection
Method    : \\target\share\chem3\nt14.i\20230106.b\ABN.m
Meth Date : 09-Jan-2023 14:48 deenayd    Quant Type: ISTD
Cal Date  : 30-DEC-2022 11:07           Cal File: NT1422123007.D
Als bottle: 3
Dil Factor: 1.00000
Integrator: HP RTE                      Compound Sublist: ICAL.sub
Target Version:  4.14
Processing Host: DEENAY-201905


                                                                                              CONCENTRATIONS
                                              QUANT SIG                                    ON-COLUMN    FINAL
Compounds                                       MASS          RT   EXP RT   REL RT  RESPONSE   (ug/mL)     (ug/mL)
==========================                      ====        ==== ======== ======== ========    =======     =======
$   1 2-Fluorophenol                             112       6.811    6.811 (0.754)     35843    0.68380      0.6838
$   2 Phenol-d5                                   99       8.403    8.403 (0.930)     41899    0.64681      0.6468
    3 Phenol                                      94       8.426    8.426 (0.932)     31338    0.42575      0.4258
$   5 2-Chlorophenol-d4                          132       8.673    8.673 (0.960)     37904    0.69672      0.6967
    4 Bis(2-Chloroethyl)ether                     93       8.573    8.580 (0.949)     24557    0.48431      0.4843
    6 2-Chlorophenol                             128       8.704    8.704 (0.963)     27229    0.45573      0.4557
    7 1,3-Dichlorobenzene                        146       8.975    8.975 (0.993)     29472    0.46518      0.4652
*   8 1,4-Dichlorobenzene-d4                     152       9.037    9.037 (1.000)    163613    4.00000
    9 1,4-Dichlorobenzene                        146       9.068    9.068 (1.003)     28013    0.46671      0.4667
$  10 1,2-Dichlorobenzene-d4                     152       9.402    9.401 (1.040)     17406    0.46811      0.4681
   12 1,2-Dichlorobenzene                        146       9.425    9.425 (1.043)     28188    0.47886      0.4789
   11 Benzyl alcohol                             108       9.309    9.308 (1.030)     14131    0.43124      0.4312
   14 2,2'-oxybis(1-Chloropropane)               121       9.611    9.611 (1.064)      8673    0.50820      0.5082(M)
   13 2-Methylphenol                             108       9.541    9.541 (1.056)     22971    0.42948      0.4295
   17 Hexachloroethane                           117      10.023   10.022 (1.109)     11557    0.52353      0.5235
   16 N-Nitroso-di-n-propylamine                  70       9.868    9.867 (1.092)     17117    0.52535      0.5254
   15 4-Methylphenol                             108       9.813    9.813 (1.086)     22677    0.40191      0.4019
$  18 Nitrobenzene-d5                             82      10.131   10.131 (0.878)     26063    0.50011      0.5001
   19 Nitrobenzene                                77      10.170   10.170 (0.882)     25237    0.48761      0.4876
   20 Isophorone                                  82      10.620   10.620 (0.921)     31170    0.47253      0.4725
   21 2-Nitrophenol                              139      10.806   10.806 (0.937)     11150    0.35228      0.3523
   22 2,4-Dimethylphenol                         107      10.861   10.868 (0.942)     42986    0.79578      0.7958
   23 Bis(2-Chloroethoxy)methane                  93      11.055   11.054 (0.958)     24185    0.47130      0.4713
   24 Benzoic acid                               105      10.969   11.062 (0.951)     10520    0.31984      0.3198
   25 2,4-Dichlorophenol                         162      11.264   11.263 (0.977)     30698    0.67418      0.6742
   26 1,2,4-Trichlorobenzene                     180      11.450   11.449 (0.993)     26326    0.53471      0.5347
*  27 Naphthalene-d8                             136      11.535   11.542 (1.000)    617145    4.00000
   28 Naphthalene                                128      11.581   11.581 (1.004)     70005    0.46093      0.4609
   29 4-Chloroaniline                            127      11.704   11.704 (1.015)     48798    0.77910      0.7791
   30 Hexachlorobutadiene                        225      11.952   11.951 (1.036)     11436    0.46815      0.4682
   31 4-Chloro-3-methylphenol                    107      12.679   12.679 (1.099)     30717    0.71486      0.7149
   32 2-Methylnaphthalene                        142      12.981   12.981 (1.125)     47639    0.42762      0.4276
   33 Hexachlorocyclopentadiene                  237      13.453   13.453 (0.887)     12899    0.56291      0.5629
```

```
Data File: \\target\share\chem3\nt14.i\20230106.b\NT1423010603.D Page 2
Report Date: 09-Jan-2023 15:25


                                                                                          CONCENTRATIONS
                                      QUANT SIG                                        ON-COLUMN    FINAL
Compounds                               MASS          RT    EXP RT   REL RT  RESPONSE    (ug/mL)    (ug/mL)
==========================              ====        ==== ======== ======== ========    =======    =======
   34 2,4,6-Trichlorophenol              196       13.608  13.607 (0.897)      17311    0.68418     0.6842
   35 2,4,5-Trichlorophenol              196       13.685  13.685 (0.902)      15375    0.52652     0.5265
$  36 2-Fluorobiphenyl                   172       13.770  13.770 (0.908)      46583    0.45705     0.4570
   37 2-Chloronaphthalene                162       13.979  13.979 (0.921)      39320    0.45349     0.4535
   38 2-Nitroaniline                      65       14.235  14.234 (0.938)      21716    0.95264     0.9526
   39 Dimethylphthalate                  163       14.668  14.668 (0.967)      41339    0.48356     0.4836
   40 Acenaphthylene                     152       14.854  14.853 (0.979)      61272    0.46345     0.4635
   41 2,6-Dinitrotoluene                 165       14.807  14.807 (0.976)      16335    0.84668     0.8467
*  42 Acenaphthene-d10                   164       15.171  15.171 (1.000)     303137    4.00000
   43 3-Nitroaniline                     138       15.094  15.093 (0.995)      19274    0.82195     0.8220
   44 Acenaphthene                       153       15.233  15.232 (1.004)      38521    0.46977     0.4698
   45 2,4-Dinitrophenol                  184       15.310  15.302 (1.009)       4220    0.25743     0.2574
   46 Dibenzofuran                       168       15.565  15.565 (1.026)      56248    0.45742     0.4574
   47 4-Nitrophenol                      109       15.442  15.426 (1.018)       6510    0.57970     0.5797
   48 2,4-Dinitrotoluene                 165       15.612  15.619 (1.029)      20854    0.78782     0.7878
   50 Diethylphthalate                   149       16.130  16.137 (1.063)      62182    0.53514     0.5351
   49 Fluorene                           166       16.276  16.276 (1.073)      60475    0.46230     0.4623
   51 4-Chlorophenyl-phenylether         204       16.269  16.268 (1.072)      27044    0.42227     0.4223
   52 4-Nitroaniline                     138       16.361  16.361 (1.078)      25291    0.89513     0.8951
   53 4,6-Dinitro-2-methylphenol         198       16.461  16.461 (0.904)      16406    0.76869     0.7687
   54 N-Nitrosodiphenylamine             169       16.523  16.523 (0.907)      39335    0.45129     0.4513
$  55 2,4,6-Tribromophenol               330       16.816  16.816 (1.108)       7383    0.51904     0.5190
   56 4-Bromophenyl-phenylether          248       17.279  17.278 (0.949)      14181    0.42967     0.4297
   57 Hexachlorobenzene                  284       17.596  17.595 (0.966)      16055    0.44328     0.4433
   58 Pentachlorophenol                  266       17.960  17.952 (0.986)       1753    0.11176     0.1118
*  59 Phenanthrene-d10                   188       18.215  18.215 (1.000)     507941    4.00000
   60 Phenanthrene                       178       18.261  18.261 (1.003)      60670    0.45811     0.4581
   61 Anthracene                         178       18.354  18.354 (1.008)      58084    0.45942     0.4594
   62 Carbazole                          167       18.687  18.687 (1.026)      56466    0.46199     0.4620
   63 Di-n-butylphthalate                149       19.484  19.484 (1.070)      66302    0.47946     0.4795
   64 Fluoranthene                       202       20.652  20.652 (0.888)      60359    0.48654     0.4865
   65 Pyrene                             202       21.078  21.077 (0.906)      63331    0.48553     0.4855
$  66 Terphenyl-d14                      244       21.364  21.364 (0.918)      43603    0.47145     0.4714
   67 Butylbenzylphthalate               149       22.285  22.285 (0.958)      27814    0.56465     0.5646
   68 Benzo(a)anthracene                 228       23.246  23.245 (0.999)      54488    0.46684     0.4668
*  69 Chrysene-d12                       240       23.269  23.268 (1.000)     385291    4.00000
   70 3,3'-Dichlorobenzidine             252       23.199  23.199 (0.997)      55295    1.54759      1.548
   71 Chrysene                           228       23.315  23.315 (1.002)      51625    0.46826     0.4683
   72 bis(2-Ethylhexyl)phthalate         149       23.315  23.315 (0.960)      36932    0.48334     0.4833
* 134 Di-n-octylphthalate-d4             153       24.298  24.298 (1.000)     688020    4.00000
   73 Di-n-octylphthalate                149       24.306  24.306 (1.000)      76829    0.46520     0.4652
   74 Benzo(b)fluoranthene               252       25.127  25.126 (0.970)      48970    0.43157     0.4316
   75 Benzo(k)fluoranthene               252       25.173  25.173 (0.972)      52002    0.45028     0.4503
   76 Benzo(a)pyrene                     252       25.785  25.784 (0.996)      45597    0.48340     0.4834
*  77 Perylene-d12                       264       25.901  25.901 (1.000)     361053    4.00000
   78 Indeno(1,2,3-cd)pyrene             276       28.559  28.567 (1.103)      50172    0.46790     0.4679
   79 Dibenzo(a,h)anthracene             278       28.575  28.574 (1.103)      41146    0.45156     0.4516
   80 Benzo(g,h,i)perylene               276       29.344  29.351 (1.133)      41583    0.46292     0.4629
   90 N-Nitrosodimethylamine              74           Compound Not Detected.
   91 Aniline                             93        8.488   8.487 (0.939)      66741    0.93124     0.9312
   93 Benzidine                          184       20.884  20.884 (0.898)      52076    1.10015      1.100
  103 Pyridine                            79        4.649   4.633 (0.514)      55953    0.48778     0.4878
  105 1-methylnaphthalene                142       13.205  13.205 (1.145)      46739    0.43664     0.4366
  111 Azobenzene (1,2-DP-Hydrazine)       77       16.593  16.592 (1.094)      61713    0.54821     0.5482
```

```
                                                                                             CONCENTRATIONS
                                      QUANT SIG                                            ON-COLUMN    FINAL
Compounds                               MASS         RT    EXP RT   REL RT  RESPONSE     (ug/mL)    (ug/mL)
==========================              ====       ==== ======== ======== ========     =======    =======
  187 Total Benzofluoranthenes           252     25.173  25.173 (0.972)      97248     0.88649     0.8865
  120 2,3,4,6-Tetrachlorophenol          232     15.905  15.905 (1.048)       5976     0.27970     0.2797
```

QC Flag Legend

M - Compound response manually integrated.

```
Data File: \\target\share\chem3\nt14.i\20230106.b\NT1423010603.D Page 1
Report Date: 09-Jan-2023 15:25

                                 ARI Labs, Inc.

                          INTERNAL STANDARD COMPOUNDS
                              AREA AND RT SUMMARY

Instrument ID: nt14.i                        Calibration Date: 06-JAN-2023
Lab File ID: NT1423010603.D                  Calibration Time: 12:05
Lab Smp Id: SLA0068-LCV1
Analysis Type: SV                                  Level:
Quant Type: ISTD                             Sample Type:
Operator: VTS
Method File: \\target\share\chem3\nt14.i\20230106.b\ABN.m
Misc Info:

Test Mode:
           Use Last Continuing Calibrator.

 |_____________________|__________|______AREA LIMIT_____|__________|_______|
 | COMPOUND            | STANDARD |  LOWER   |  UPPER   |  SAMPLE  | %DIFF |
 |=====================|==========|==========|==========|==========|=======|
 |  8 1,4-Dichlorobenze|    134115|     67058|    268230|    163613|  21.99|
 | 27 Naphthalene-d8   |    499117|    249559|    998234|    617145|  23.65|
 | 42 Acenaphthene-d10 |    260320|    130160|    520640|    303137|  16.45|
 | 59 Phenanthrene-d10 |    432406|    216203|    864812|    507941|  17.47|
 | 69 Chrysene-d12     |    317887|    158944|    635774|    385291|  21.20|
 |134 Di-n-octylphthala|    664061|    332031|   1328122|    688020|   3.61|
 | 77 Perylene-d12     |    313716|    156858|    627432|    361053|  15.09|
 |_____________________|__________|__________|__________|__________|_______|


 |_____________________|__________|_______RT LIMIT______|__________|_______|
 | COMPOUND            | STANDARD |  LOWER   |  UPPER   |  SAMPLE  | %DIFF |
 |=====================|==========|==========|==========|==========|=======|
 |  8 1,4-Dichlorobenze|      9.04|      8.54|      9.54|      9.04|   0.00|
 | 27 Naphthalene-d8   |     11.54|     11.04|     12.04|     11.54|  -0.06|
 | 42 Acenaphthene-d10 |     15.17|     14.67|     15.67|     15.17|   0.00|
 | 59 Phenanthrene-d10 |     18.22|     17.72|     18.72|     18.22|   0.00|
 | 69 Chrysene-d12     |     23.27|     22.77|     23.77|     23.27|   0.00|
 |134 Di-n-octylphthala|     24.30|     23.80|     24.80|     24.30|   0.00|
 | 77 Perylene-d12     |     25.90|     25.40|     26.40|     25.90|   0.00|
 |_____________________|__________|__________|__________|__________|_______|

AREA UPPER LIMIT = +100% of internal standard area.
AREA LOWER LIMIT = - 50% of internal standard area.
RT UPPER LIMIT = + 0.50 minutes of internal standard RT.
RT LOWER LIMIT = - 0.50 minutes of internal standard RT.
```

```
REVIEW SUMMARY FOR FILE - NT1423010603.D

Lab ID: SLA0068-LCV1
nt14.i,  20230106.b\ABN.m,    06-JAN-2023 12:48

     RT      CO-ELUTION COMPOUNDS
---------------------------------------------------------------------------

            NO CO-ELUTIONS


Quant Method: ICAL



        RRT CHECK

   RRT    CCV RRT   DELTA    COMPOUND
 -------------------------------------

  0.951    0.958   -0.0074   Benzoic acid

  RRT check based on Ccal File: NT1423010602.D

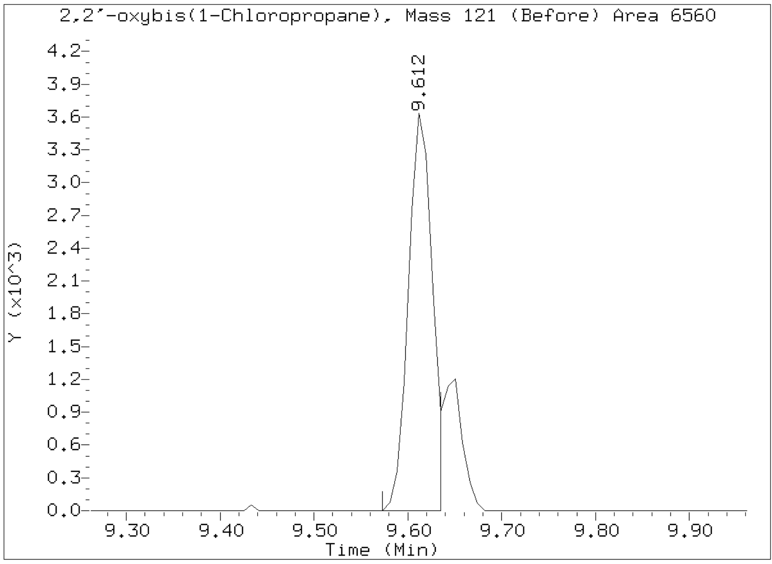

 On Column LOD for nt14.i, 20230106.b\ABN.m, ICAL.sub = 0.0000

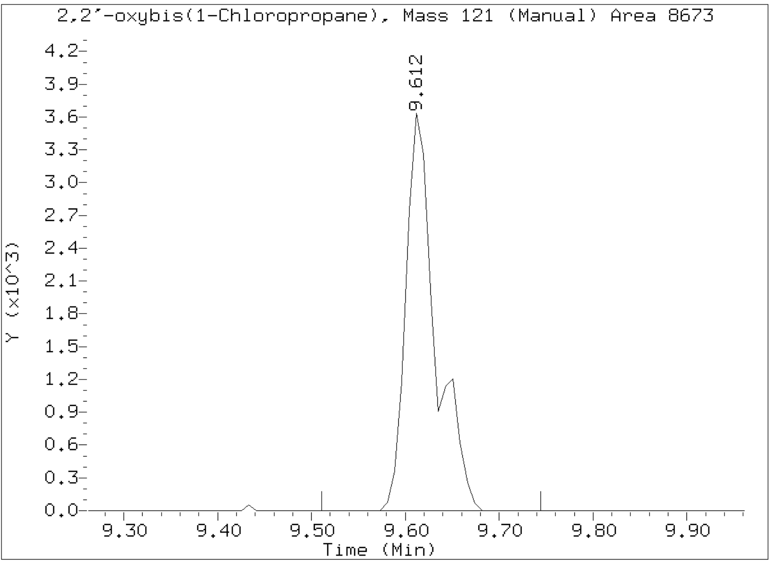


 * Only compounds listed in the work order have been verified by the analyst *
```

Quant Ion Manual Peak Adjustment Report

Datafile: //target/share/chem3/nt14.i/20230106.b/NT1423010603.D
Injection Date: 06-JAN-2023 12:48
Lab ID:SLA0068-LCV1 Client ID:
Report Date: 01/09/2023 15:25





APPROVED

By Deenay Dunmore at 3:35 pm, Jan 09, 2023

LOW-CONCENTRATION
CALIBRATION VERIFICATION
EPA 8270E

Laboratory:	Analytical Resources, LLC	**SDG:**	22L0307
Client:	Anchor QEA, LLC	**Project:**	AOC4 UR Phase 3
Calibration:	FL00066	**Laboratory ID:**	SLA0068-LCV2
Sequence:	SLA0068	**Standard ID:**	K011106

ANALYTE	EXPECTED (ug/mL)	FOUND (ug/mL)	% DRIFT		QC LIMIT
Phenol	0.50000	0.4	-27.5		50.00
bis(2-chloroethyl) ether	0.50000	0.5	-4.9		50.00
2-Chlorophenol	0.50000	0.4	-16.0		50.00
1,3-Dichlorobenzene	0.50000	0.5	-5.8		50.00
1,4-Dichlorobenzene	0.50000	0.5	-7.5		50.00
1,2-Dichlorobenzene	0.50000	0.5	-7.7		50.00
Benzyl Alcohol	0.50000	0.6	25.3		50.00
2,2'-Oxybis(1-chloropropane)	0.50000	0.5	-8.0		50.00
2-Methylphenol	0.50000	0.4	-21.3		50.00
Hexachloroethane	0.50000	0.5	-7.0		50.00
N-Nitroso-di-n-Propylamine	0.50000	0.5	3.1		50.00
4-Methylphenol	0.50000	0.3	-34.0		50.00
Nitrobenzene	0.50000	0.5	-1.5		50.00
Isophorone	0.50000	0.5	-3.1		50.00
2-Nitrophenol	0.50000	0.4	-14.0		50.00
2,4-Dimethylphenol	1.0000	0.7	-28.5		50.00
Bis(2-Chloroethoxy)methane	0.50000	0.5	-7.5		50.00
2,4-Dichlorophenol	1.0000	0.6	-38.0		50.00
1,2,4-Trichlorobenzene	0.50000	0.5	9.6		50.00
Naphthalene	0.50000	0.5	-6.1		50.00
Benzoic acid	2.0000	0.1	-94.8	*	50.00
4-Chloroaniline	1.0000	0.8	-19.0		50.00
Hexachlorobutadiene	0.50000	0.6	14.9		50.00
4-Chloro-3-Methylphenol	1.0000	0.6	-41.6		50.00
2-Methylnaphthalene	0.50000	0.4	-13.9		50.00
Hexachlorocyclopentadiene	1.0000	0.1	-89.6	*	50.00
2,4,6-Trichlorophenol	1.0000	0.6	-36.4		50.00
2,4,5-Trichlorophenol	1.0000	0.5	-47.6		50.00
2-Chloronaphthalene	0.50000	0.5	-6.2		50.00

LOW-CONCENTRATION CALIBRATION VERIFICATION

EPA 8270E

Laboratory: Analytical Resources, LLC
SDG: 22L0307
Client: Anchor QEA, LLC
Project: AOC4 UR Phase 3
Calibration: FL00066
Laboratory ID: SLA0068-LCV2
Sequence: SLA0068
Standard ID: K011106

2-Nitroaniline	1.0000	0.9	-12.4	50.00
Acenaphthylene	0.50000	0.5	-8.3	50.00
Dimethylphthalate	0.50000	0.5	-3.0	50.00
2,6-Dinitrotoluene	1.0000	0.8	-17.1	50.00
Acenaphthene	0.50000	0.5	-6.8	50.00
3-Nitroaniline	1.0000	0.8	-18.2	50.00
2,4-Dinitrophenol	2.0000	0.05	-97.5 *	50.00
Dibenzofuran	0.50000	0.5	-9.5	50.00
4-Nitrophenol	1.0000	0.3	-74.1 *	50.00
2,4-Dinitrotoluene	1.0000	0.8	-24.8	50.00
Fluorene	0.50000	0.5	-6.6	50.00
4-Chlorophenylphenyl ether	0.50000	0.4	-15.9	50.00
Diethyl phthalate	0.50000	0.5	6.0	50.00
4-Nitroaniline	1.0000	0.8	-24.6	50.00
4,6-Dinitro-2-methylphenol	2.0000	0.5	-74.8 *	50.00
N-Nitrosodiphenylamine	0.50000	0.4	-11.1	50.00
4-Bromophenyl phenyl ether	0.50000	0.4	-13.6	50.00
Hexachlorobenzene	0.50000	0.5	-9.1	50.00
Pentachlorophenol	1.0000	0.08	-92.3 *	50.00
Phenanthrene	0.50000	0.5	-9.6	50.00
Anthracene	0.50000	0.5	-7.8	50.00
Carbazole	0.50000	0.4	-10.2	50.00
Di-n-Butylphthalate	0.50000	0.5	-4.0	50.00
Fluoranthene	0.50000	0.5	-4.4	50.00
Pyrene	0.50000	0.5	-4.5	50.00
Butylbenzylphthalate	0.50000	0.6	13.6	50.00
Benzo(a)anthracene	0.50000	0.5	-7.6	50.00
3,3'-Dichlorobenzidine	1.5000	1.5	-2.0	50.00
Chrysene	0.50000	0.5	-8.2	50.00
bis(2-Ethylhexyl)phthalate	0.50000	0.5	1.2	50.00
Di-n-Octylphthalate	0.50000	0.5	-5.5	50.00

LOW-CONCENTRATION CALIBRATION VERIFICATION

EPA 8270E

Laboratory:	Analytical Resources, LLC	**SDG:**	22L0307
Client:	Anchor QEA, LLC	**Project:**	AOC4 UR Phase 3
Calibration:	FL00066	**Laboratory ID:**	SLA0068-LCV2
Sequence:	SLA0068	**Standard ID:**	K011106

Benzofluoranthenes, Total	1.0000	0.9	-13.6	50.00
Benzo(a)pyrene	0.50000	0.5	-4.2	50.00
Indeno(1,2,3-cd)pyrene	0.50000	0.5	-4.7	50.00
Dibenzo(a,h)anthracene	0.50000	0.5	-6.8	50.00
Benzo(g,h,i)perylene	0.50000	0.4	-11.2	50.00
1-Methylnaphthalene	0.50000	0.4	-10.9	50.00
2-Fluorophenol	0.75000	0.637	-15.0	50.00
Phenol-d5	0.75000	0.577	-23.0	50.00
2-Chlorophenol-d4	0.75000	0.644	-14.2	50.00
1,2-Dichlorobenzene-d4	0.50000	0.457	-8.5	50.00
Nitrobenzene-d5	0.50000	0.492	-1.5	50.00
2-Fluorobiphenyl	0.50000	0.459	-8.1	50.00
2,4,6-Tribromophenol	0.75000	0.456	-39.2	50.00
p-Terphenyl-d14	0.50000	0.466	-6.8	50.00

* Values outside of QC limits

Data File: \\target\share\chem3\nt14.i\20230106.b\NT1423010620.D

Page 1

Date : 06-JAN-2023 23:03

Client ID:

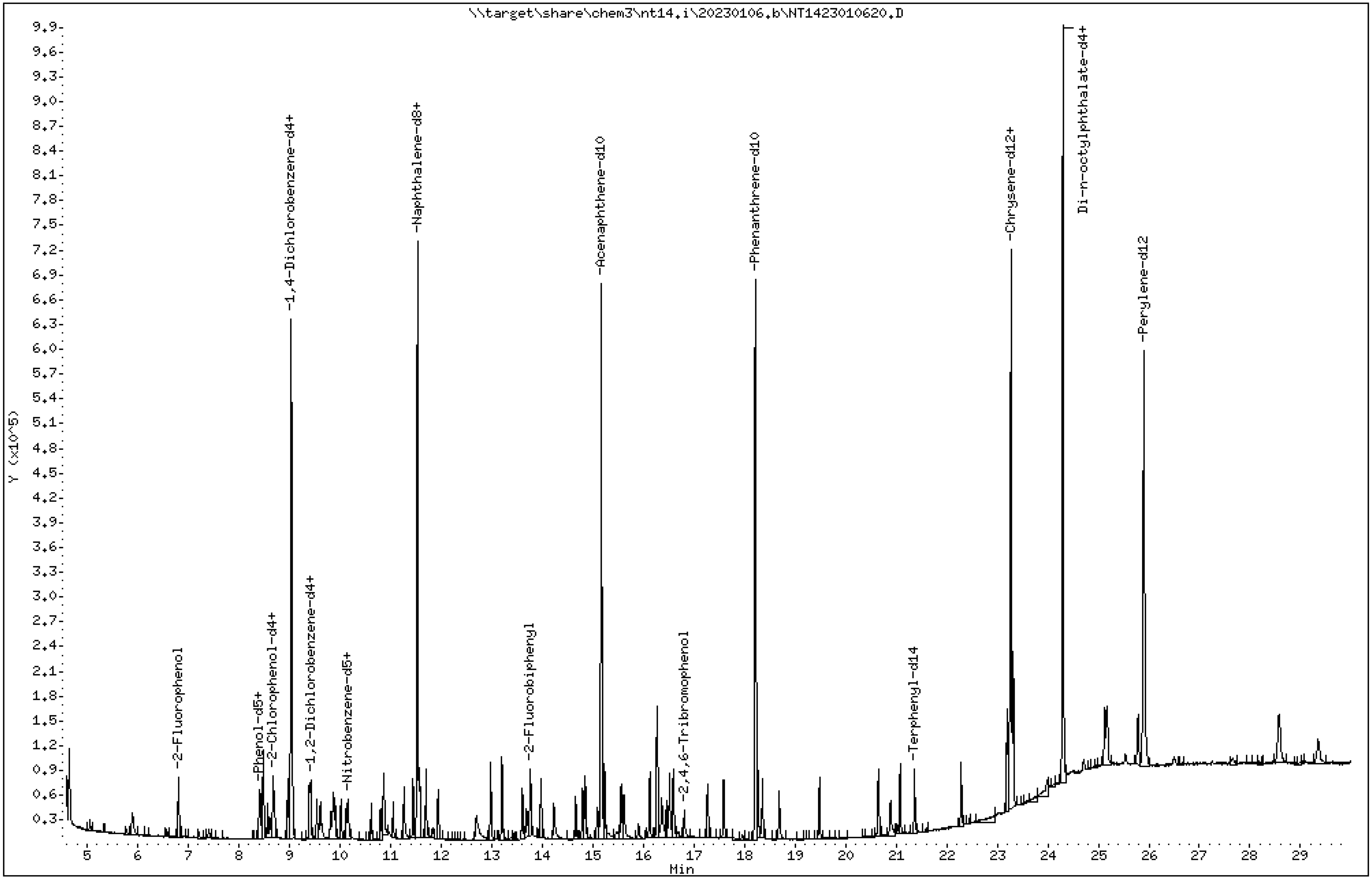
Instrument: nt14.i

Sample Info: SLA0068-LCV2

Operator: VTS

Column phase: ZB-5msi

Column diameter: 0.25



Data File: \\target\share\chem3\nt14.i\20230106.b\NT1423010620.D

Date : 06-JAN-2023 23:03

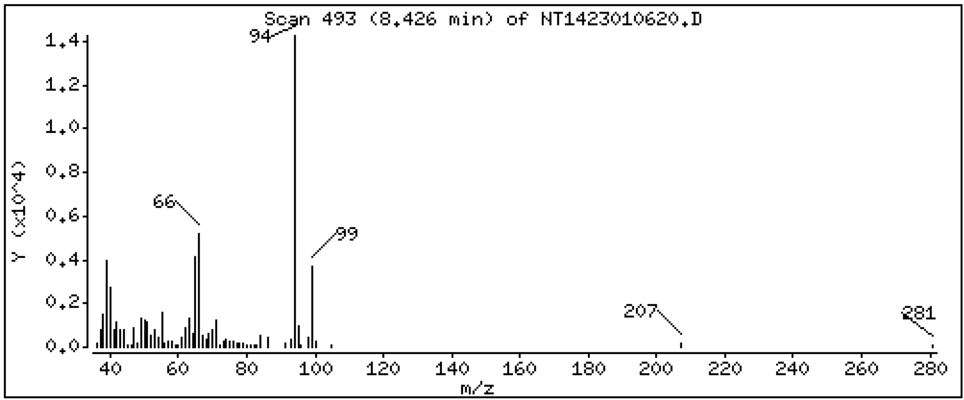
Client ID: Instrument: nt14.i

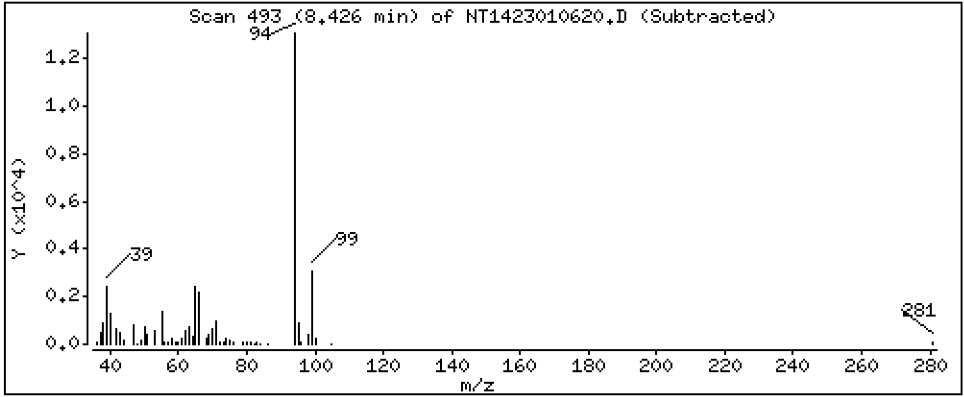
Sample Info: SLA0068-LCV2

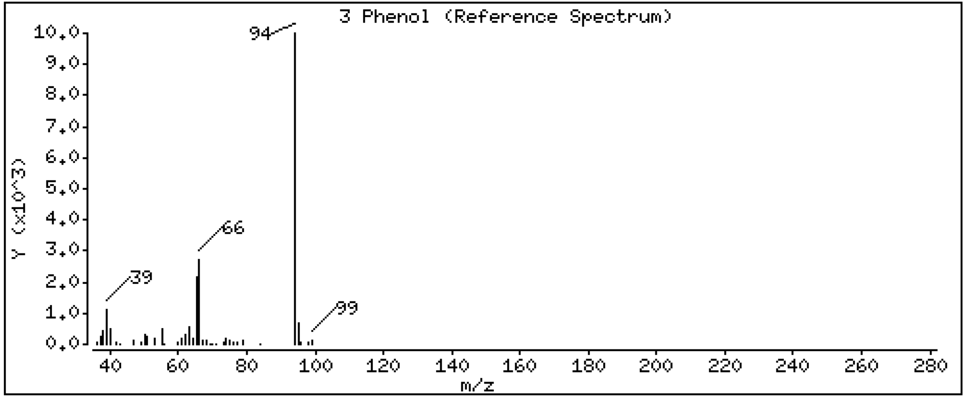
Operator: VTS

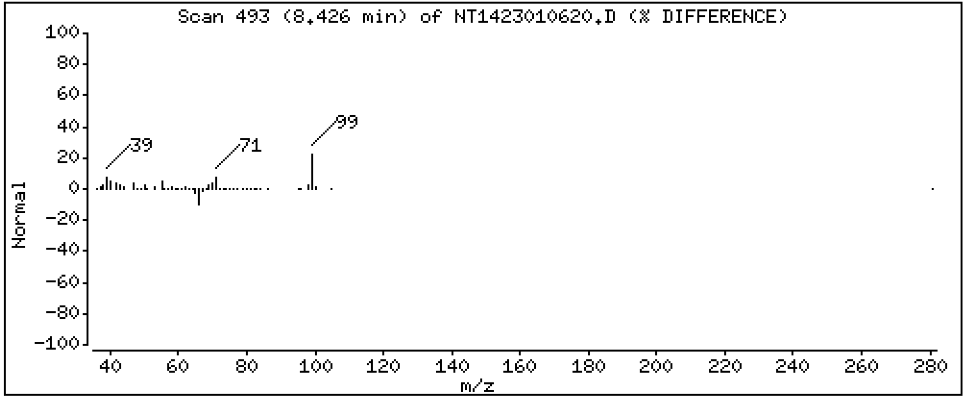
Column phase: ZB-5msi Column diameter: 0.25

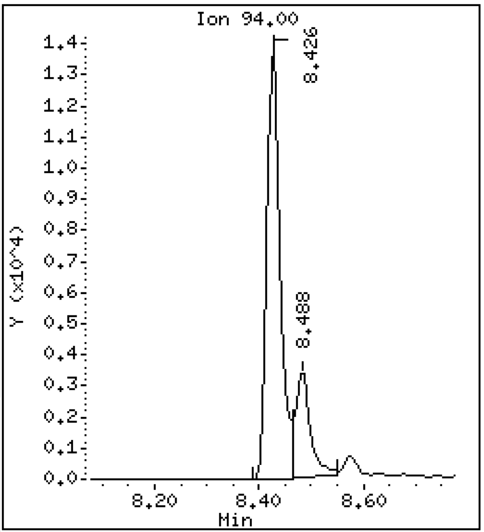
3 Phenol Concentration: 0.3625 ug/mL

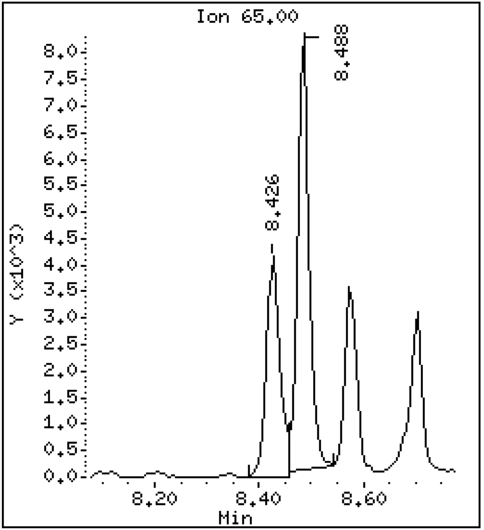

Scan 493 (8.426 min) of NT1423010620.D


Scan 493 (8.426 min) of NT1423010620.D (Subtracted)


3 Phenol (Reference Spectrum)


Scan 493 (8.426 min) of NT1423010620.D (% DIFFERENCE)


Ion 94.00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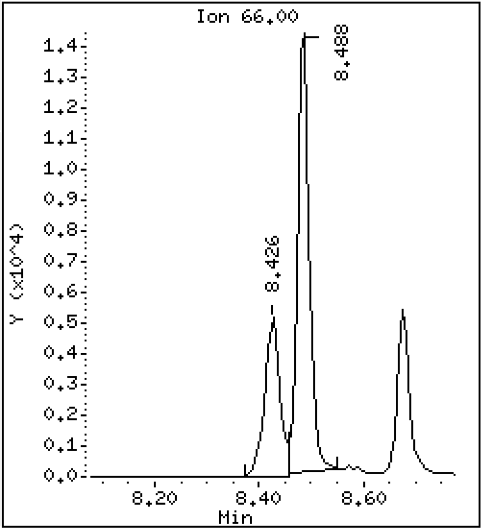

Ion 66.00

Data File: \\target\share\chem3\nt14.i\20230106.b\NT1423010620.D

Date : 06-JAN-2023 23:03

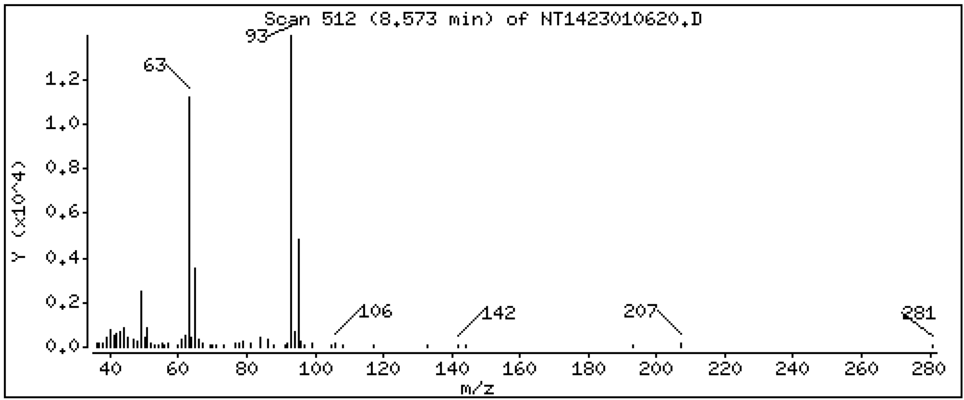
Client ID: Instrument: nt14.i

Sample Info: SLA0068-LCV2

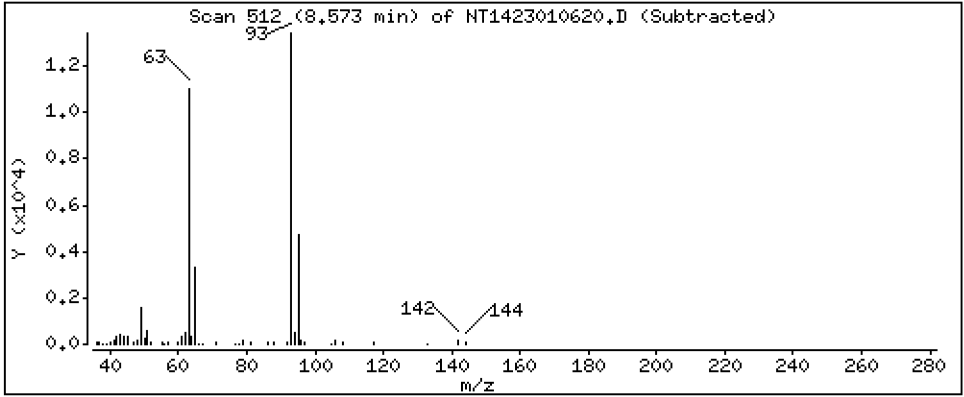
Operator: VTS

Column phase: ZB-5msi Column diameter: 0.25

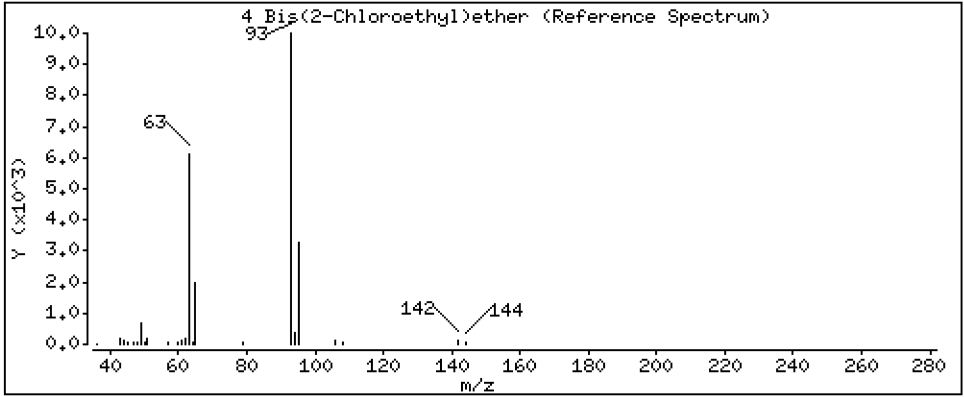
4 Bis(2-Chloroethyl)ether Concentration: 0.4754 ug/mL



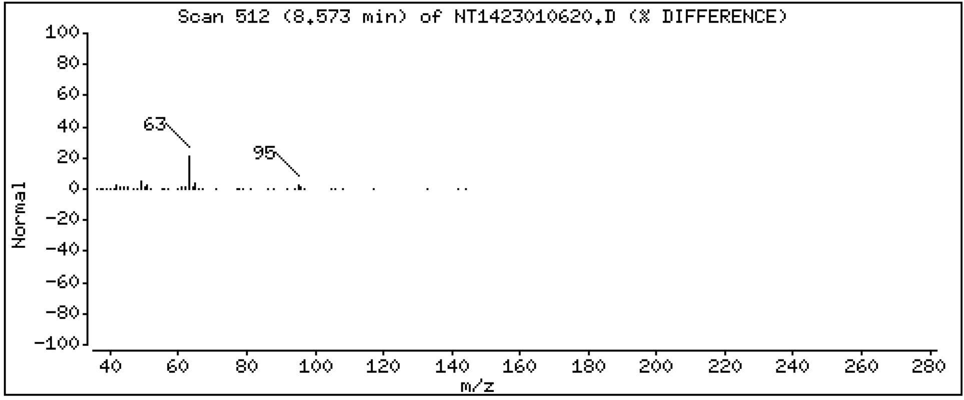
Scan 512 (8.573 min) of NT1423010620.D



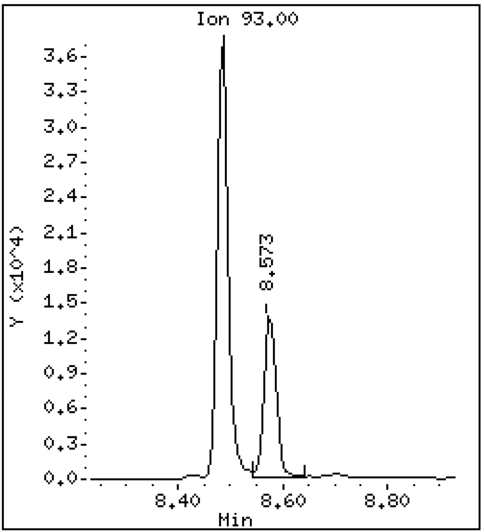
Scan 512 (8.573 min) of NT1423010620.D (Subtracted)



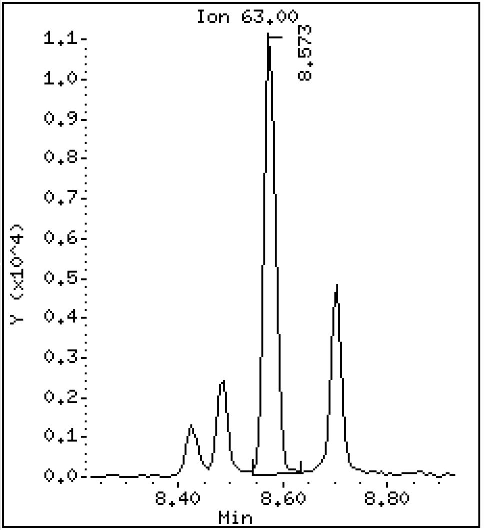
4 Bis(2-Chloroethyl)ether (Reference Spectrum)



Scan 512 (8.573 min) of NT1423010620.D (% DIFFERENCE)



Ion 93.00



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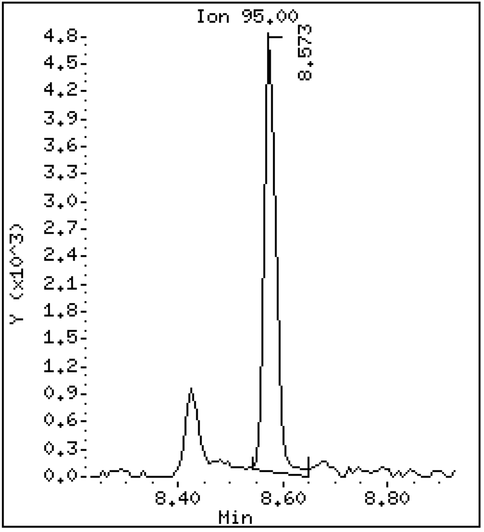


Ion 95.00

Data File: \\target\share\chem3\nt14.i\20230106.b\NT1423010620.D

Date : 06-JAN-2023 23:03

Client ID:

Instrument: nt14.i

Sample Info: SLA0068-LCV2

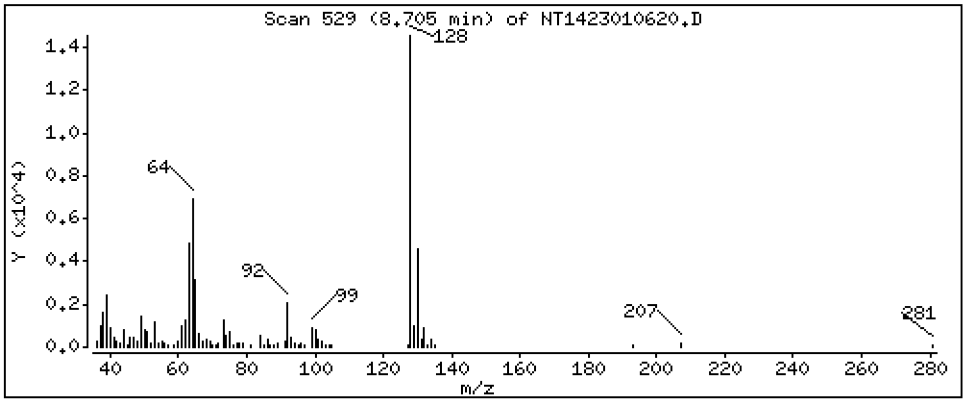
Operator: VTS

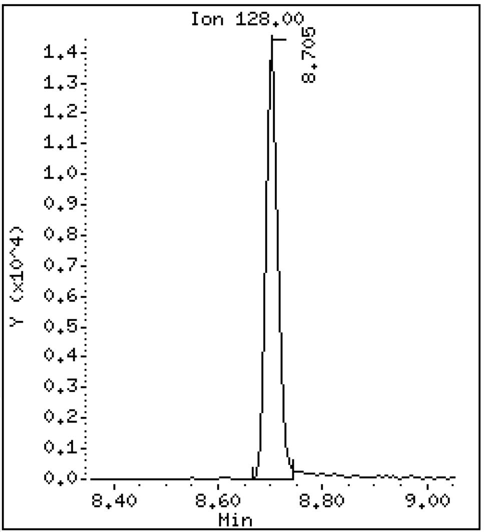
Column phase: ZB-5msi

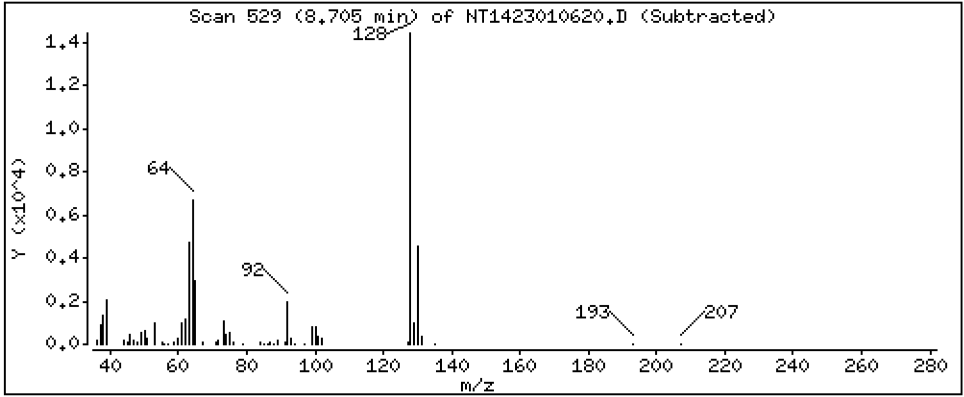
Column diameter: 0.25

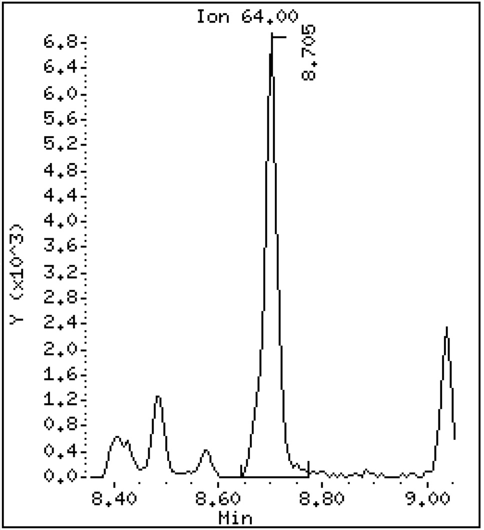
6 2-Chlorophenol

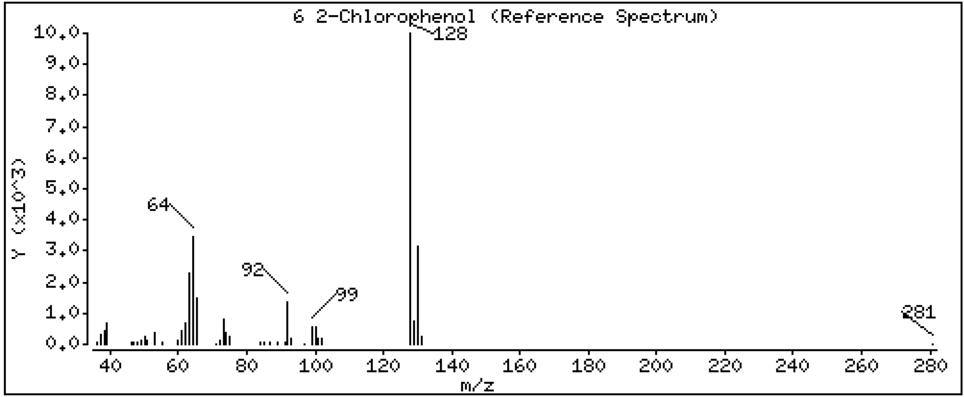
Concentration: 0.4200 ug/mL

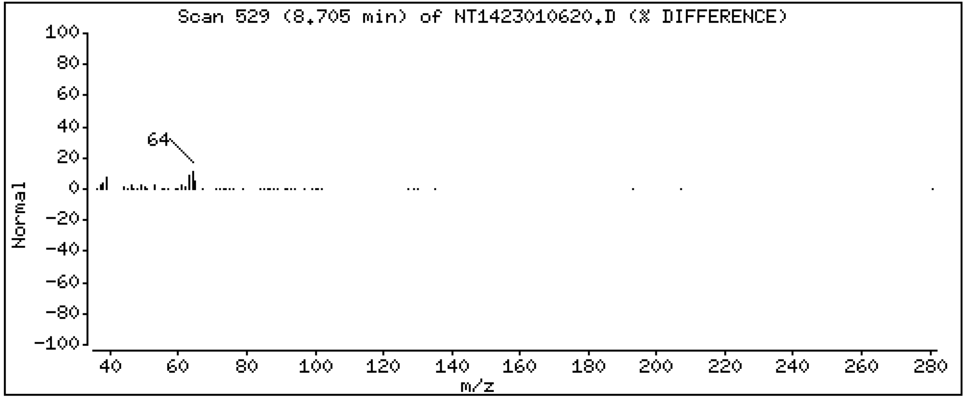


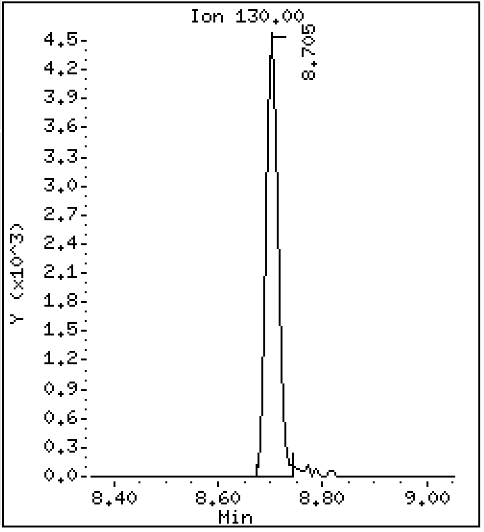












Data File: \\target\share\chem3\nt14.i\20230106.b\NT1423010620.D

Date : 06-JAN-2023 23:03

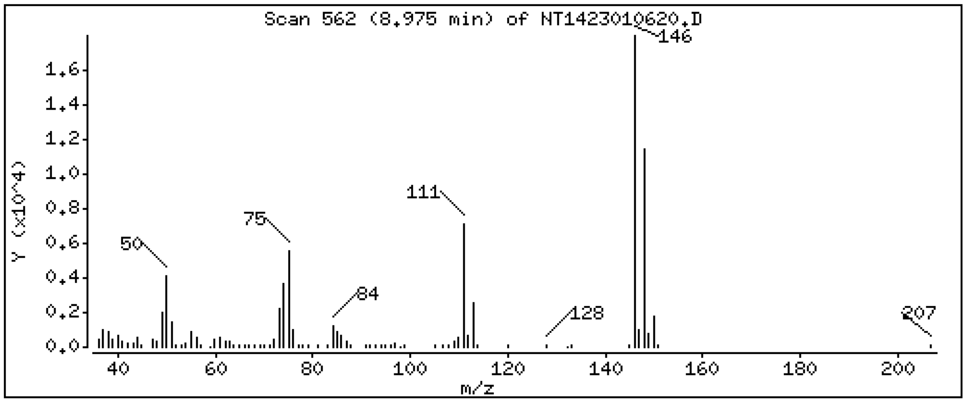
Client ID: Instrument: nt14.i

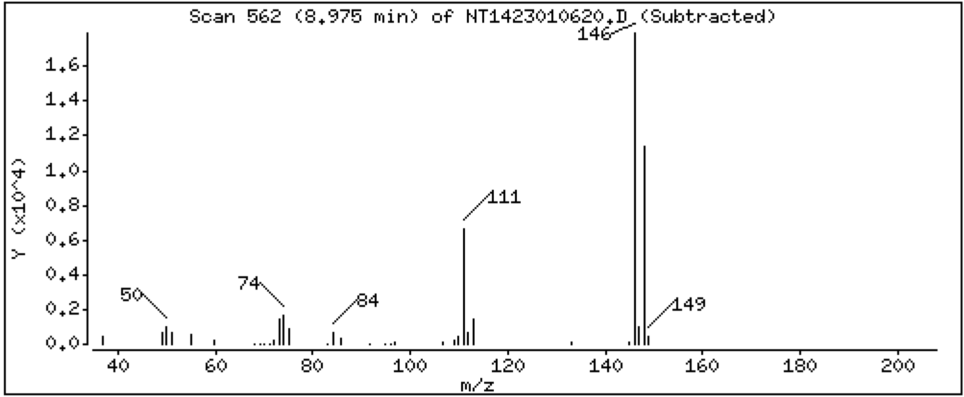
Sample Info: SLA0068-LCV2

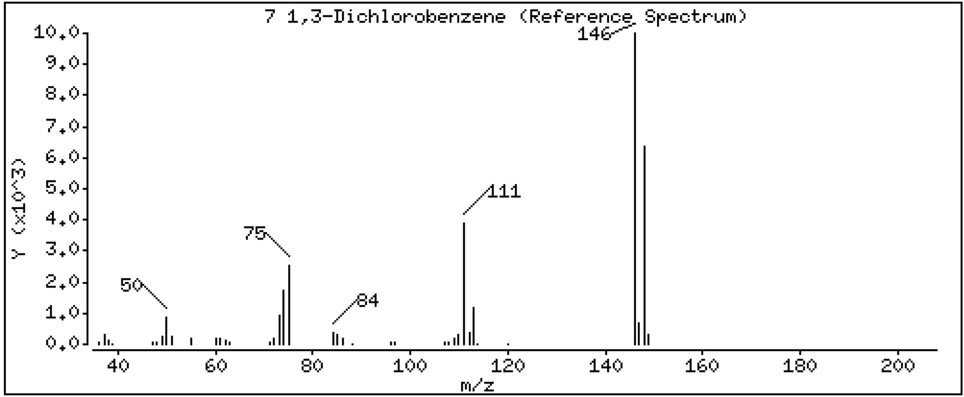
Operator: VTS

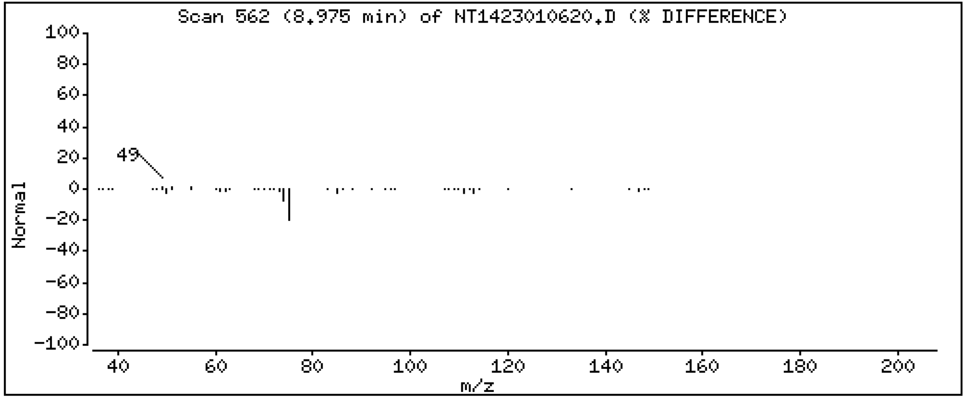
Column phase: ZB-5msi Column diameter: 0.25

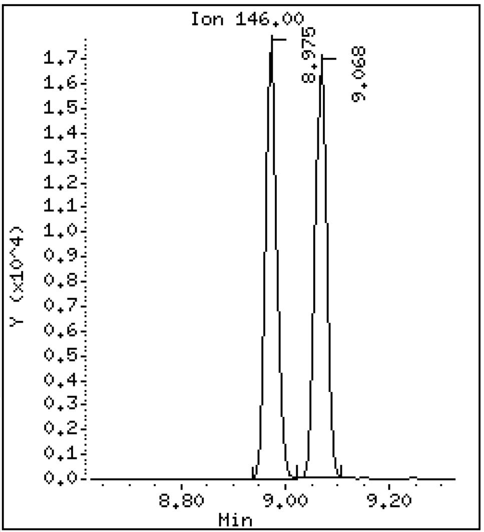
7 1,3-Dichlorobenzene Concentration: 0.4710 ug/mL

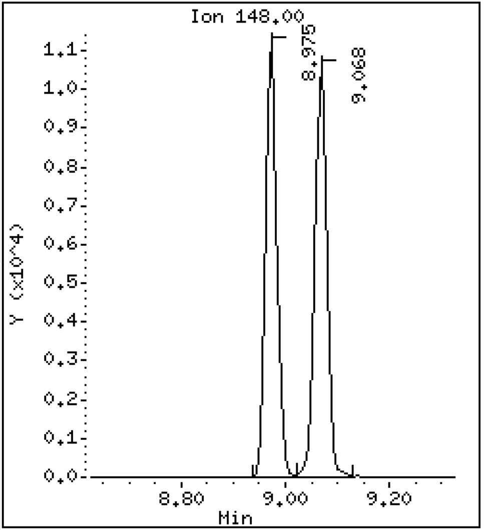


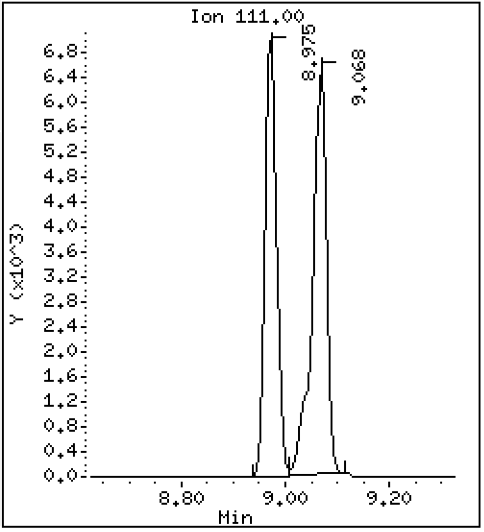












Data File: \\target\share\chem3\nt14.i\20230106.b\NT1423010620.D

Date : 06-JAN-2023 23:03

Client ID:

Instrument: nt14.i

Sample Info: SLA0068-LCV2

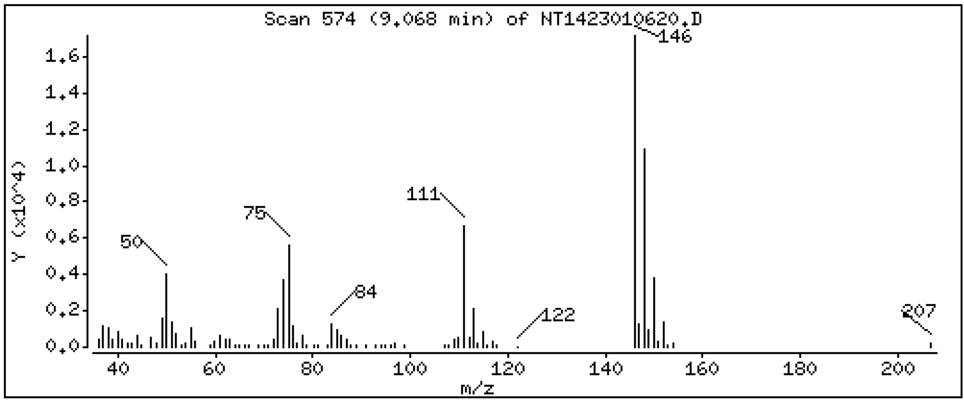
Operator: VTS

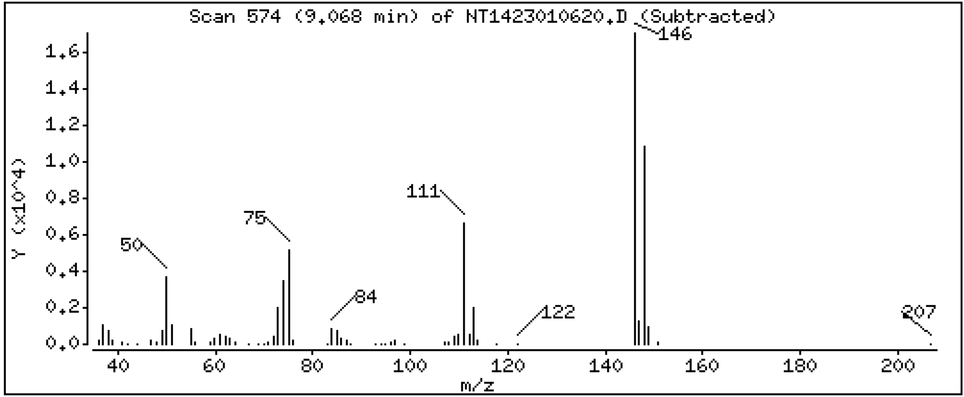
Column phase: ZB-5msi

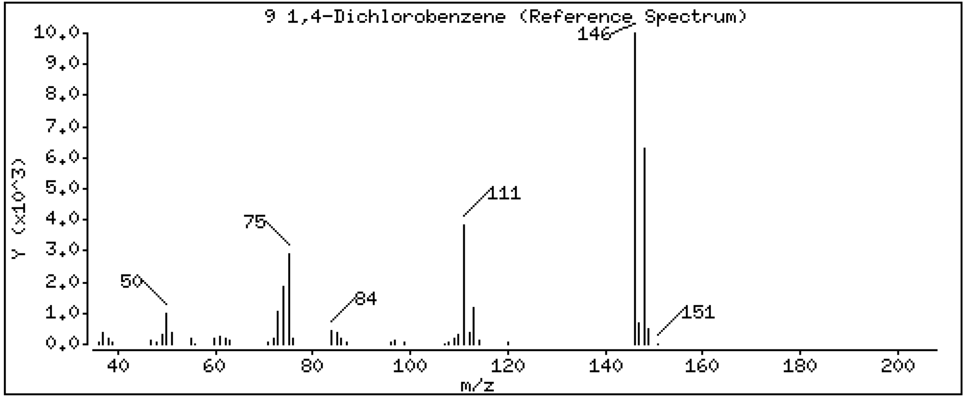
Column diameter: 0.25

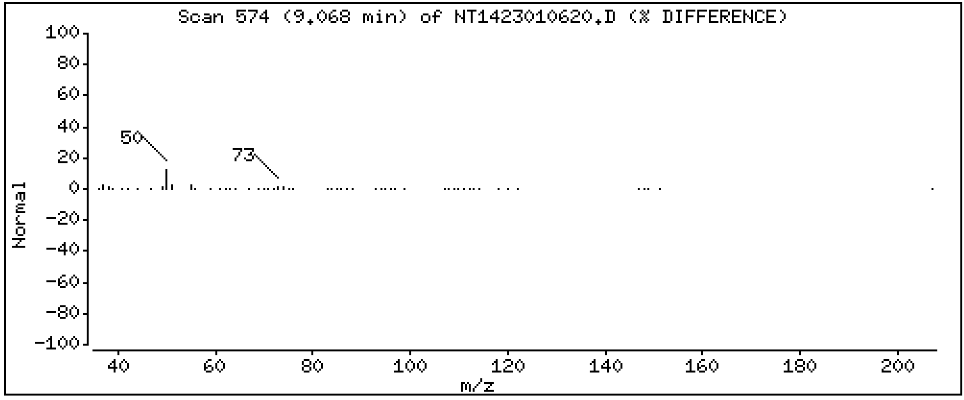
9 1,4-Dichlorobenzene

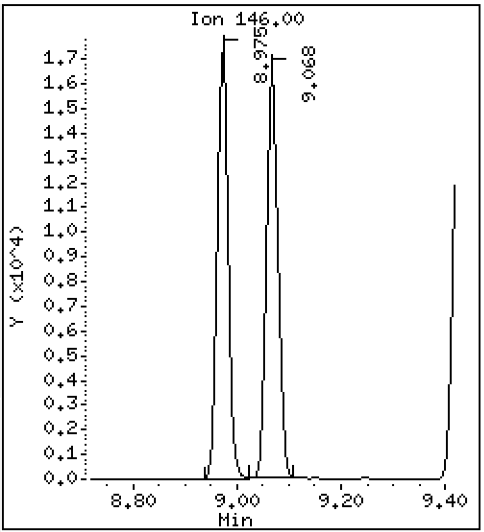
Concentration: 0.4624 ug/mL

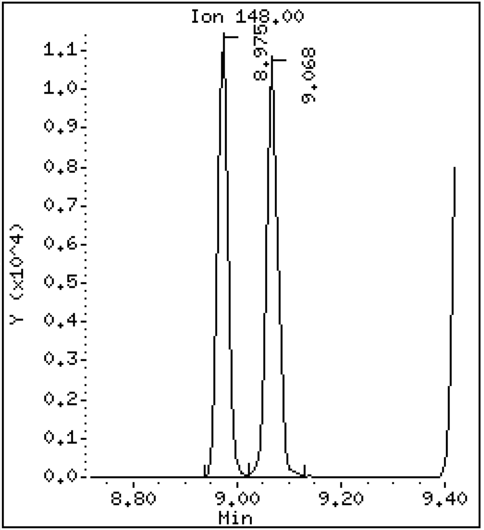

Scan 574 (9.068 min) of NT1423010620.D

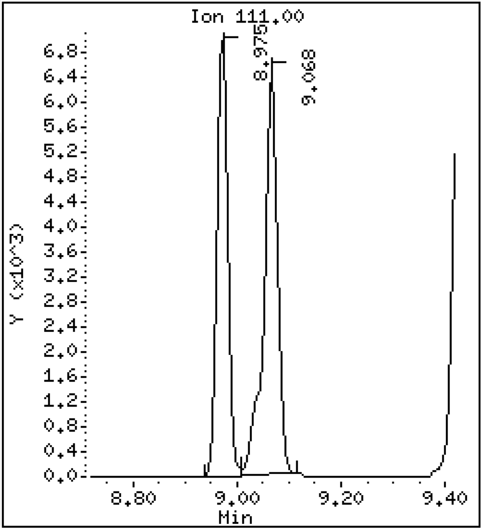

Scan 574 (9.068 min) of NT1423010620.D (Subtracted)


9 1,4-Dichlorobenzene (Reference Spectrum)


Scan 574 (9.068 min) of NT1423010620.D (% DIFFERENCE)


Ion 146.00


Ion 148.00


Ion 111.00

Data File: \\target\share\chem3\nt14.i\20230106.b\NT1423010620.D

Date : 06-JAN-2023 23:03

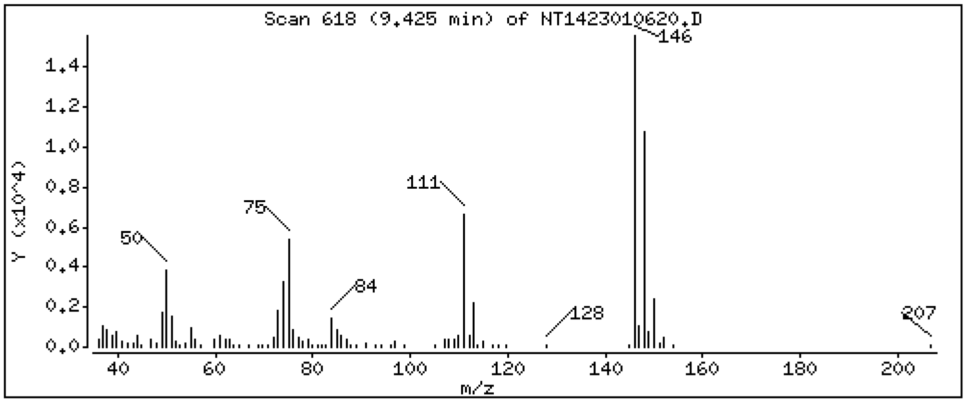
Client ID: Instrument: nt14.i

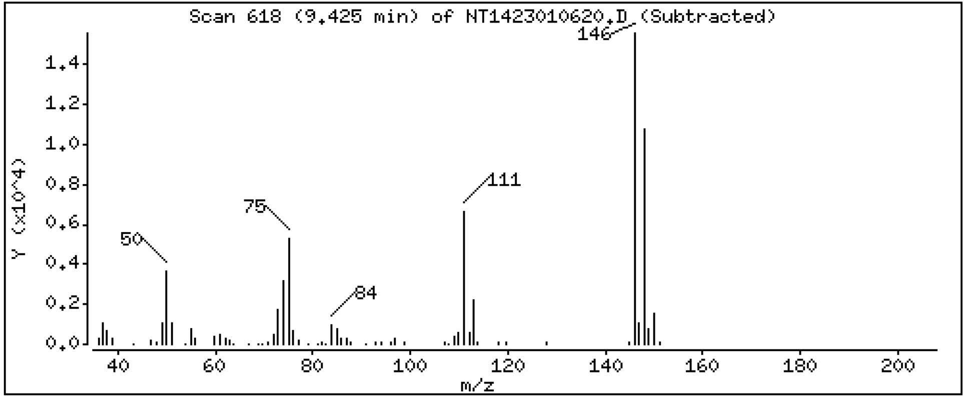
Sample Info: SLA0068-LCV2

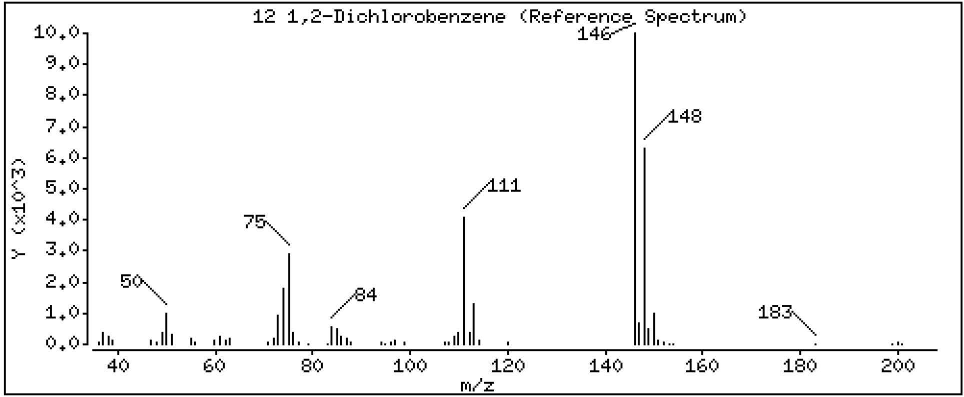
Operator: VTS

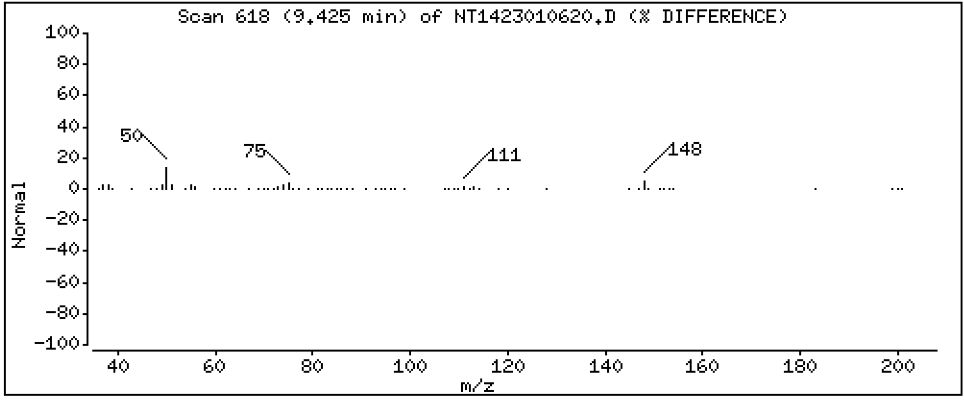
Column phase: ZB-5msi Column diameter: 0.25

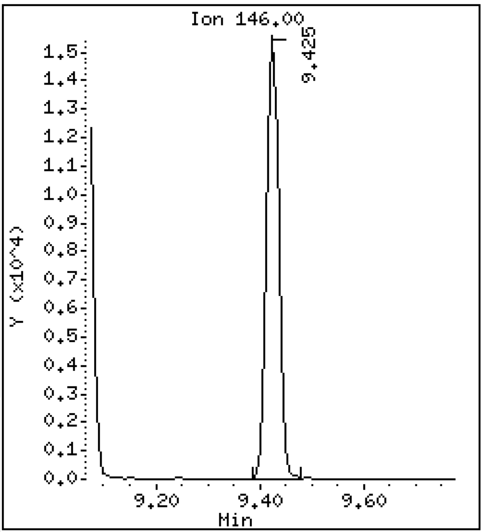
12 1,2-Dichlorobenzene Concentration: 0.4614 ug/mL


Scan 618 (9.425 min) of NT1423010620.D


Scan 618 (9.425 min) of NT1423010620.D (Subtracted)


12 1,2-Dichlorobenzene (Reference Spectrum)


Scan 618 (9.425 min) of NT1423010620.D (% DIFFERENCE)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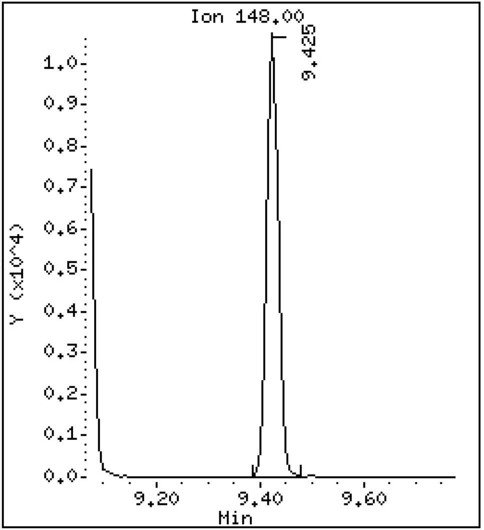
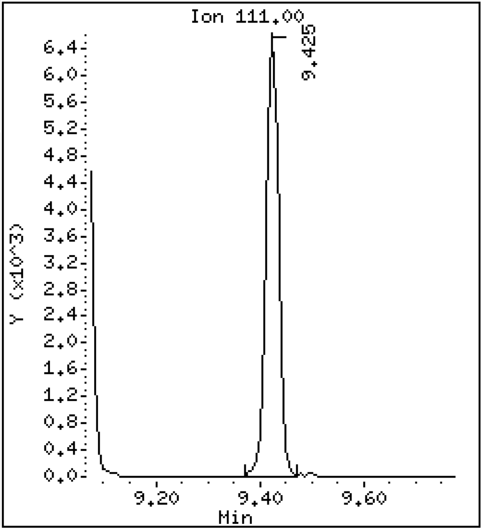

Ion 148.00


Ion 111.00

Data File: \\target\share\chem3\nt14.i\20230106.b\NT1423010620.D

Date : 06-JAN-2023 23:03

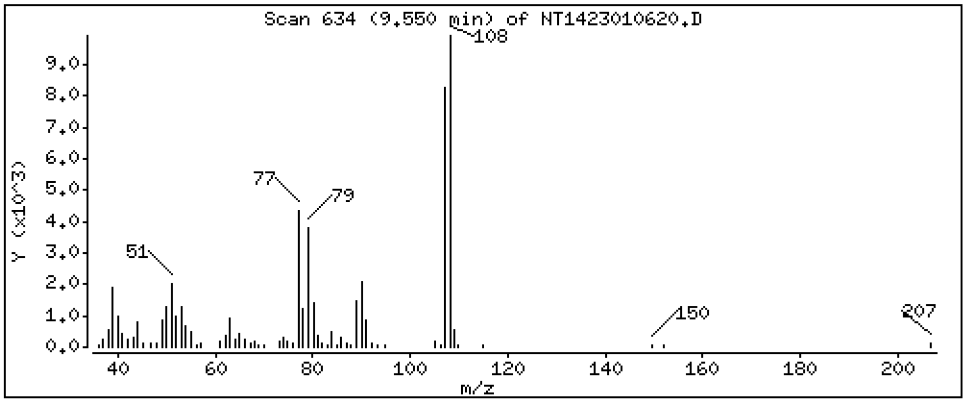
Client ID: Instrument: nt14.i

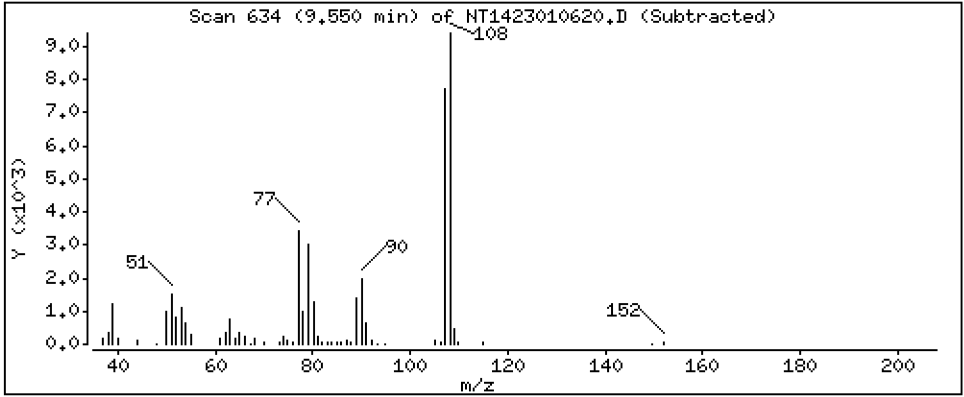
Sample Info: SLA0068-LCV2

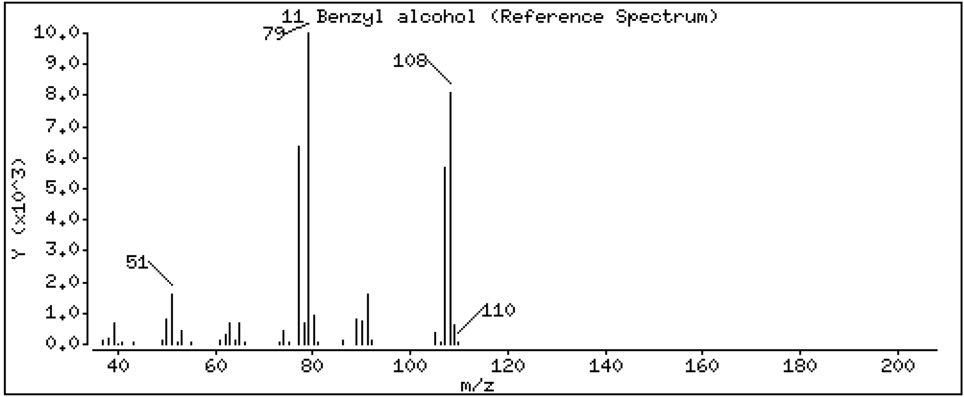
Operator: VTS

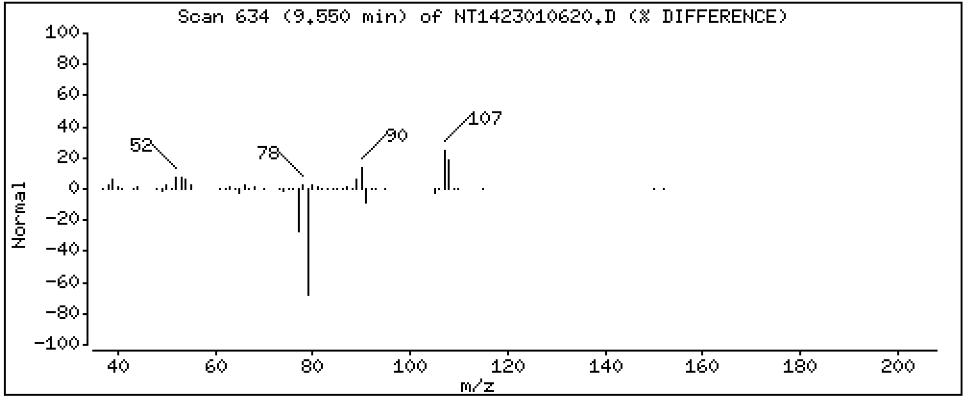
Column phase: ZB-5msi Column diameter: 0.25

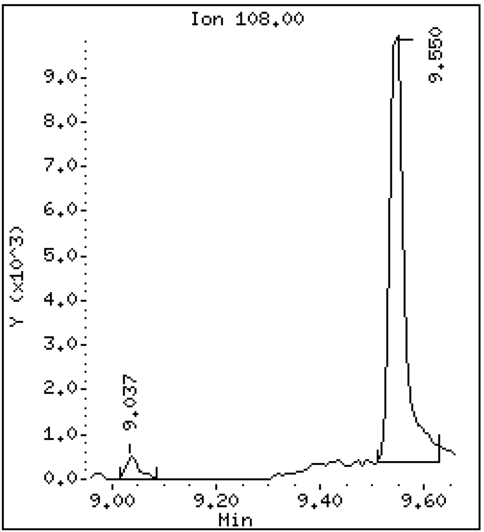
11 Benzyl alcohol Concentration: 0.6266 ug/mL


Scan 634 (9.550 min) of NT1423010620.D


Scan 634 (9.550 min) of NT1423010620.D (Subtracted)


11 Benzyl alcohol (Reference Spectrum)


Scan 634 (9.550 min) of NT1423010620.D (% DIFFERENCE)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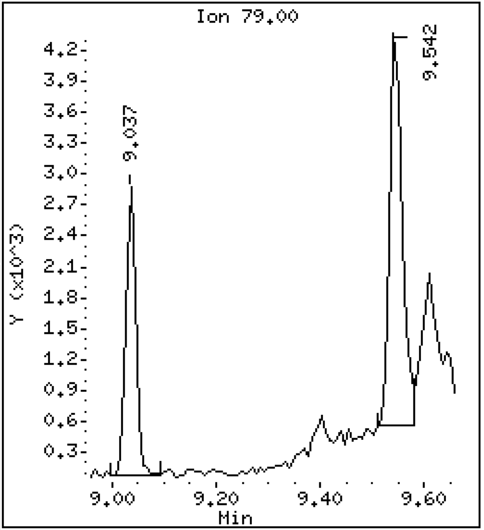
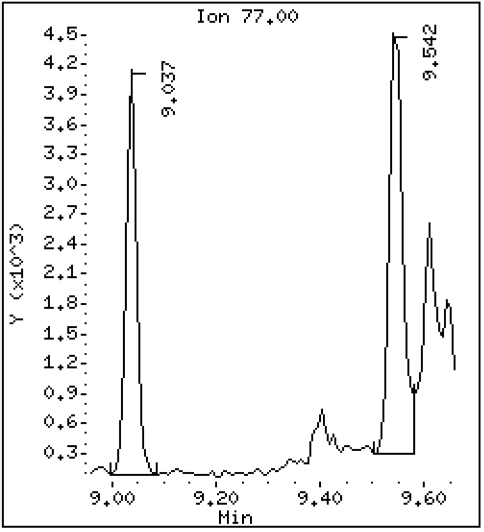

Ion 79.00


Ion 77.00

Data File: \\target\share\chem3\nt14.i\20230106.b\NT1423010620.D

Date : 06-JAN-2023 23:03

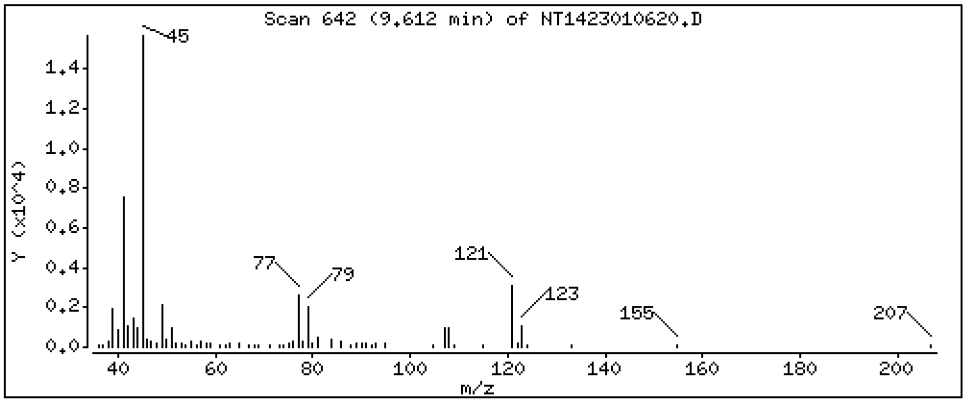
Client ID: Instrument: nt14.i

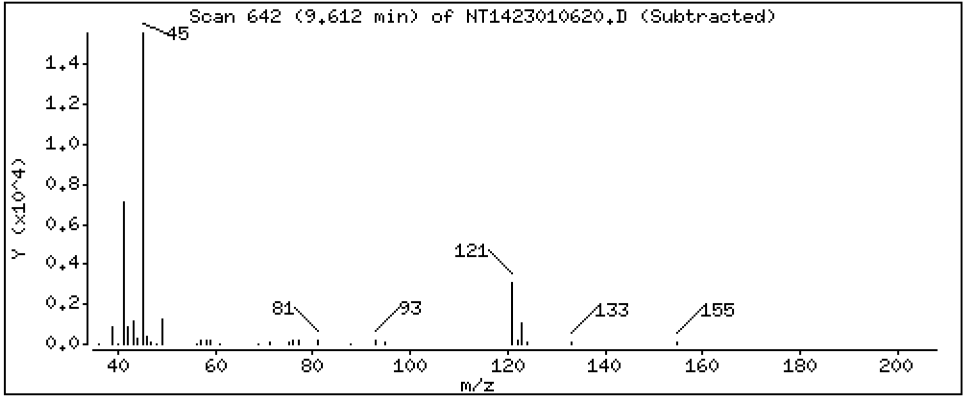
Sample Info: SLA0068-LCV2

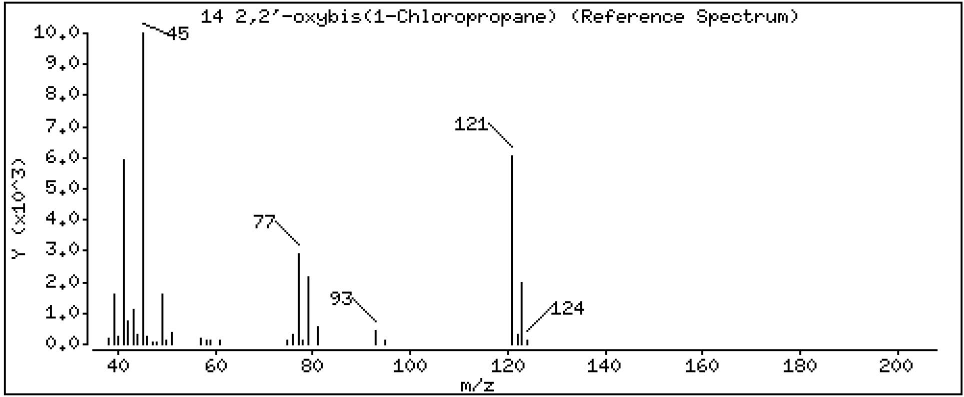
Operator: VTS

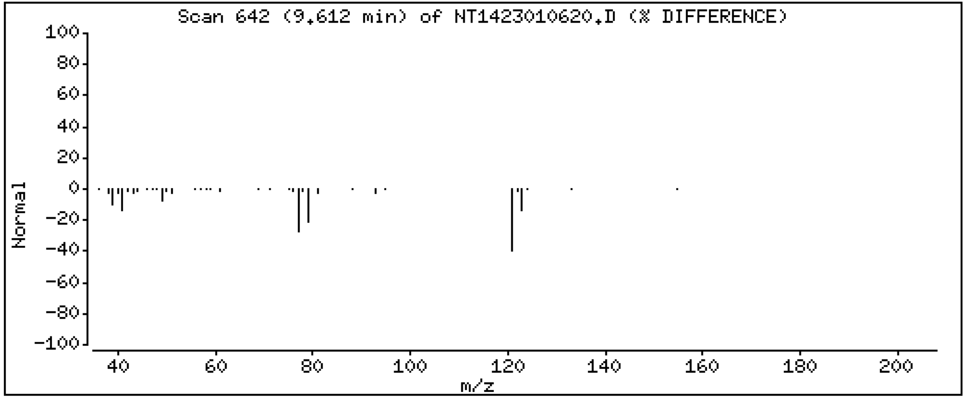
Column phase: ZB-5msi Column diameter: 0.25

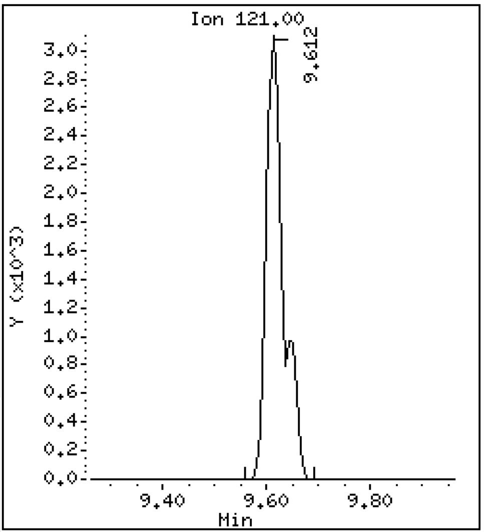
14 2,2'-oxybis(1-Chloropropane) Concentration: 0.4599 ug/mL

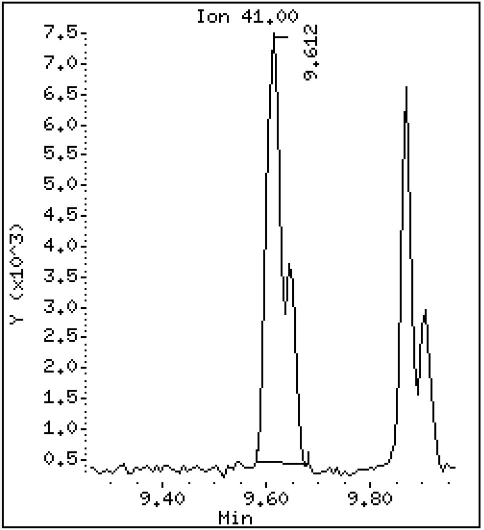


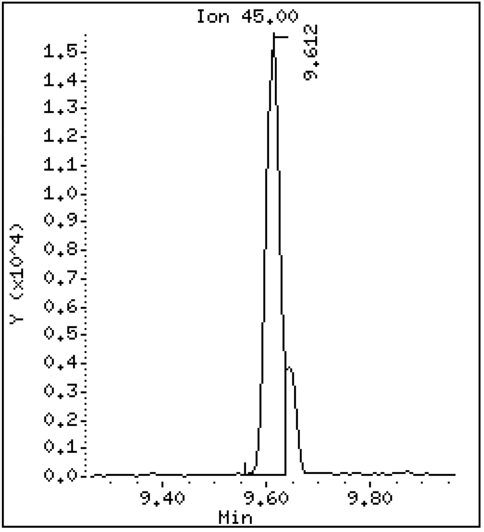












Data File: \\target\share\chem3\nt14.i\20230106.b\NT1423010620.D

Date : 06-JAN-2023 23:03

Client ID:

Instrument: nt14.i

Sample Info: SLA0068-LCV2

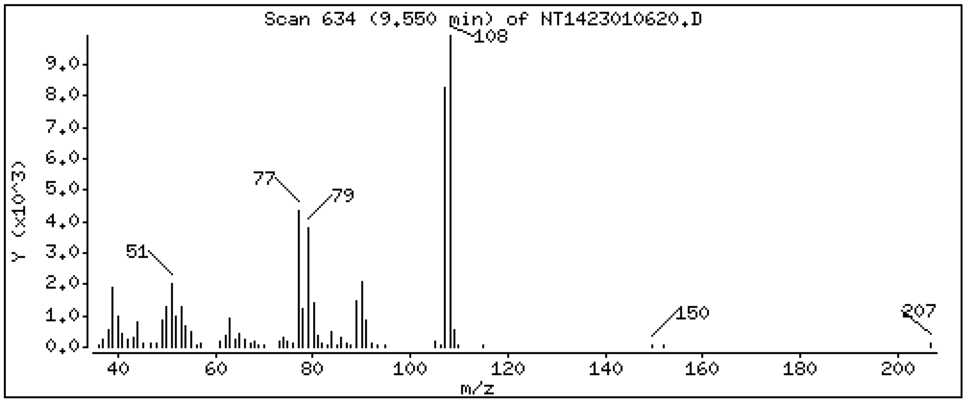
Operator: VTS

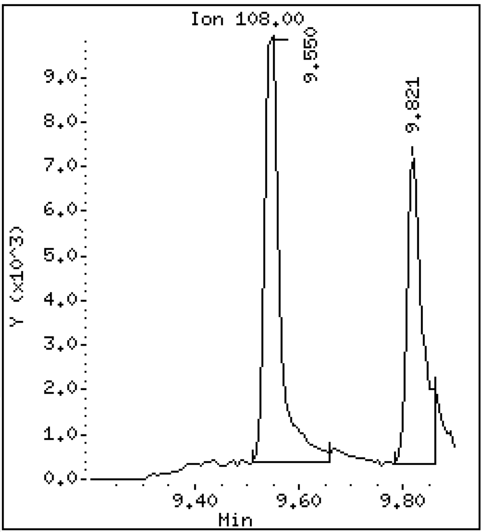
Column phase: ZB-5msi

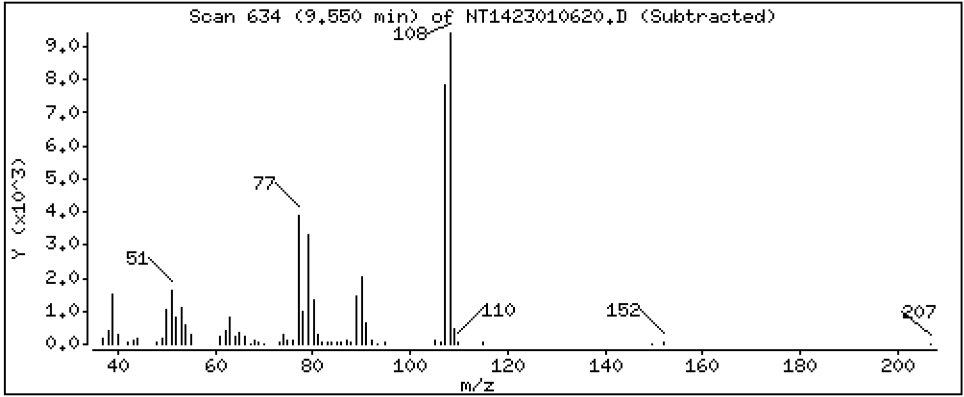
Column diameter: 0.25

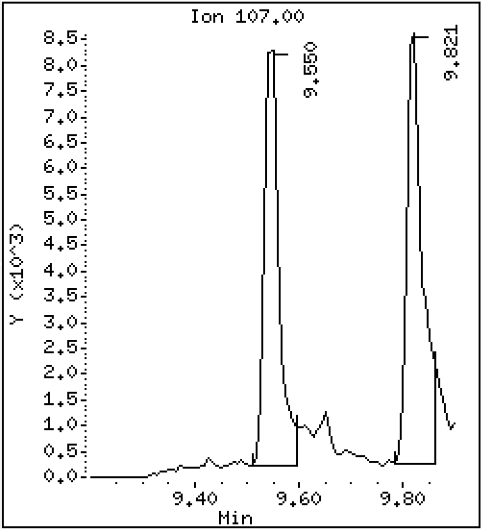
13 2-Methylphenol

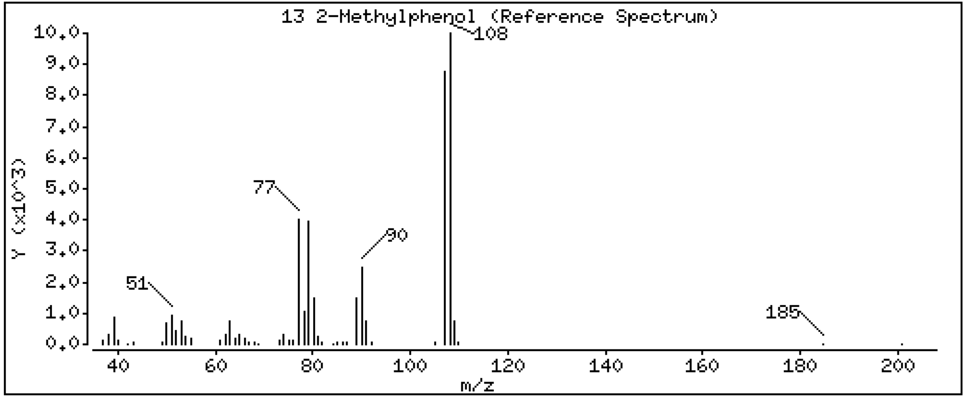
Concentration: 0.3934 ug/mL

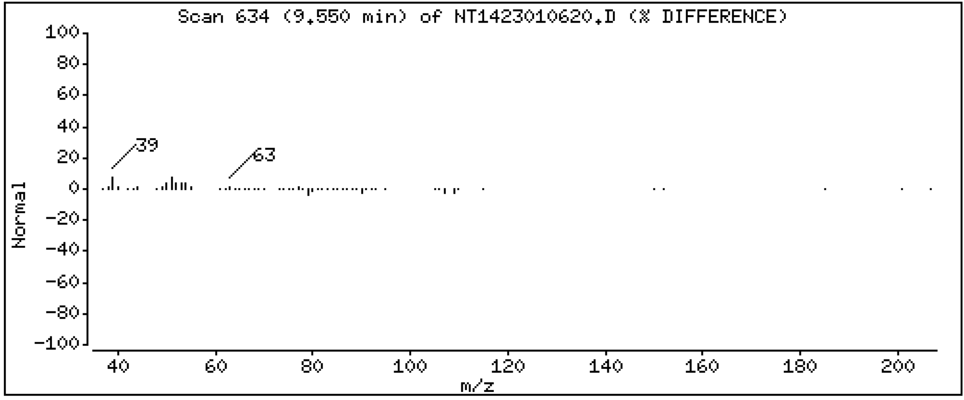


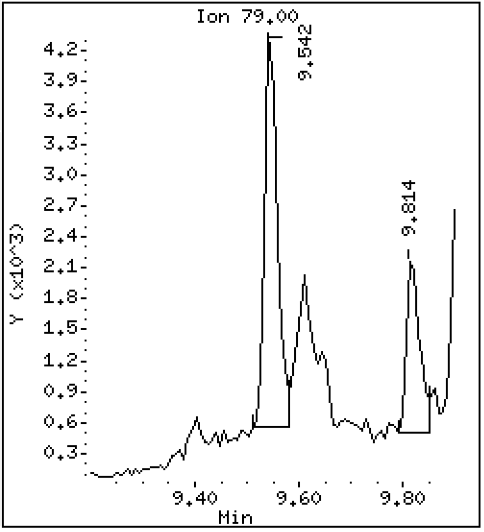












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Date : 06-JAN-2023 23:03

Client ID:

Instrument: nt14.i

Sample Info: SLA0068-LCV2

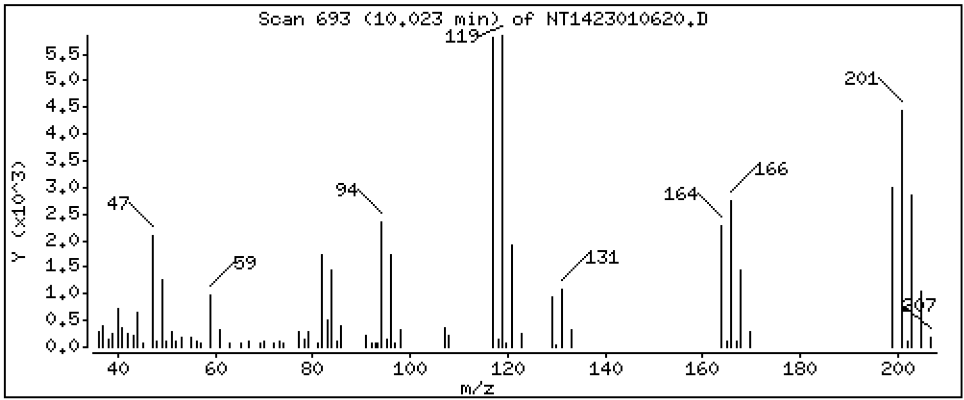
Operator: VTS

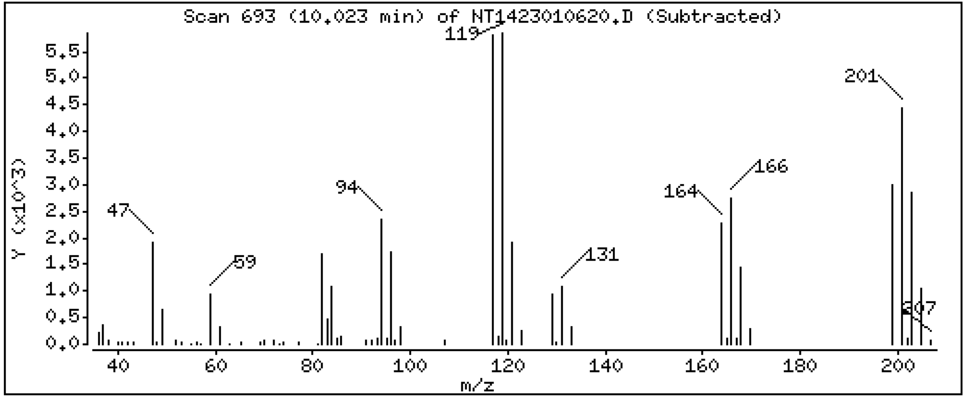
Column phase: ZB-5msi

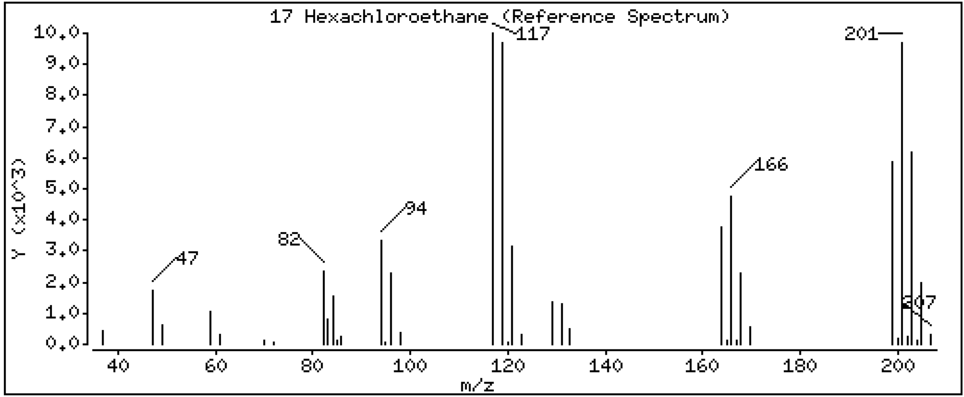
Column diameter: 0.25

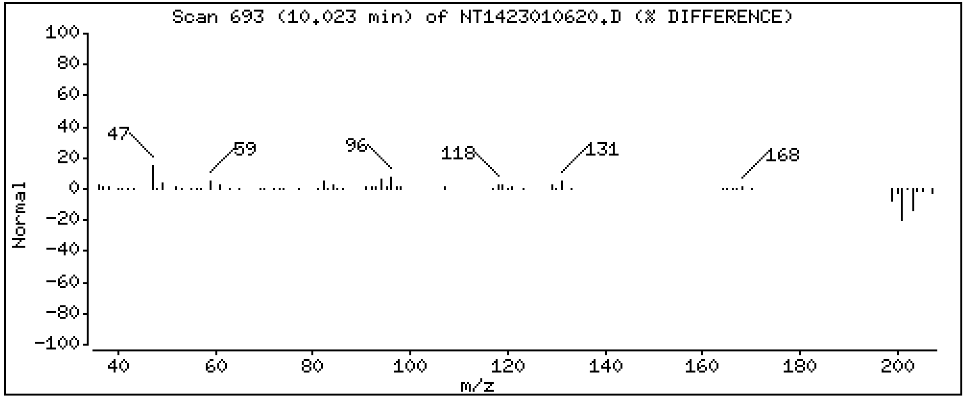
17 Hexachloroethane

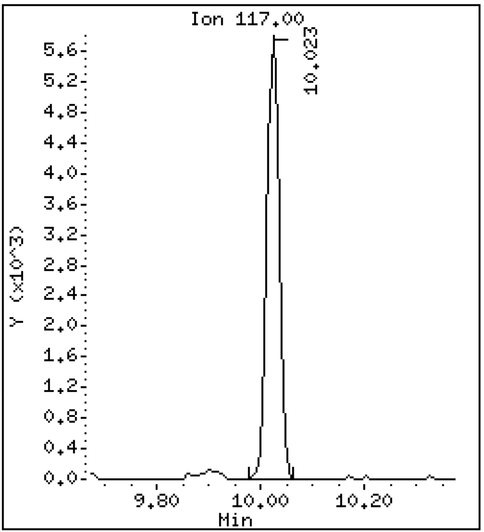
Concentration: 0.4650 ug/mL


Scan 693 (10.023 min) of NT1423010620.D


Scan 693 (10.023 min) of NT1423010620.D (Subtracted)


17 Hexachloroethane (Reference Spectrum)


Scan 693 (10.023 min) of NT1423010620.D (% DIFFERENCE)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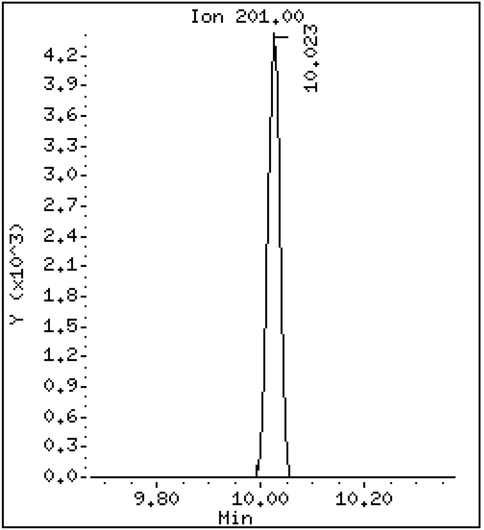
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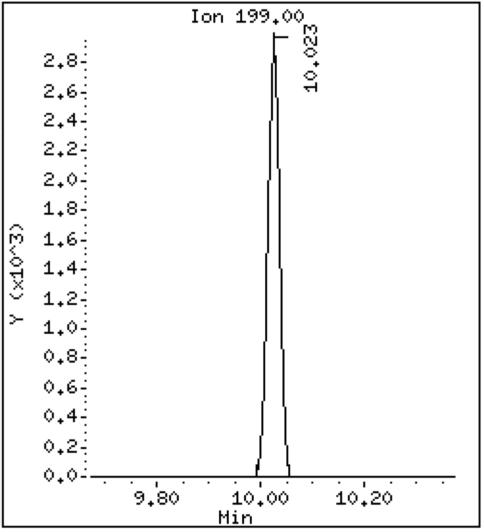
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Date : 06-JAN-2023 23:03

Client ID:

Instrument: nt14.i

Sample Info: SLA0068-LCV2

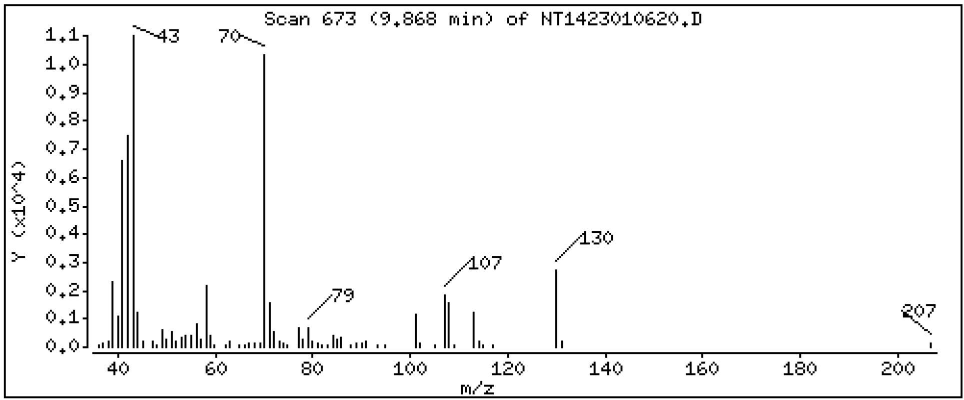
Operator: VTS

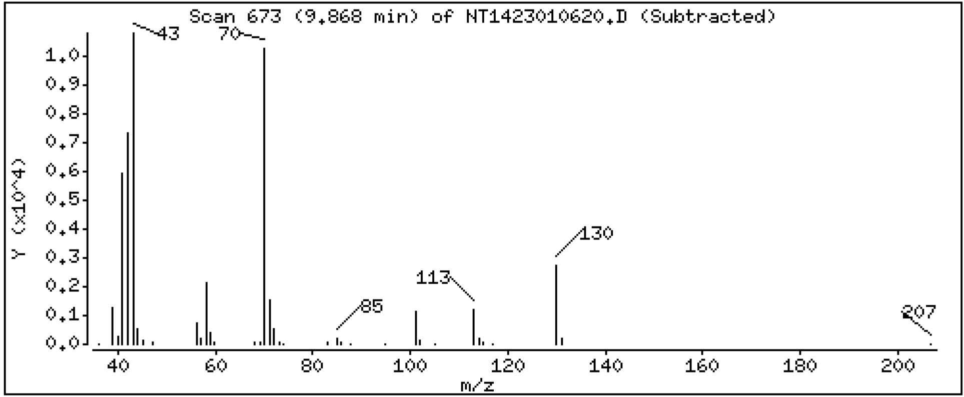
Column phase: ZB-5msi

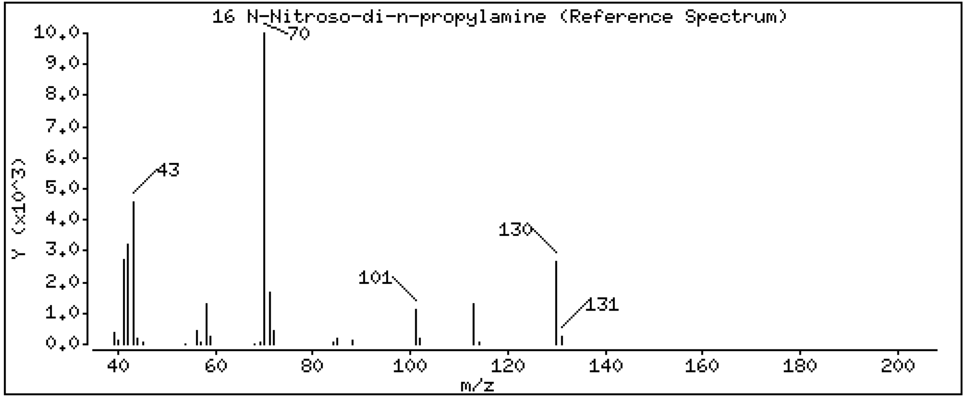
Column diameter: 0.25

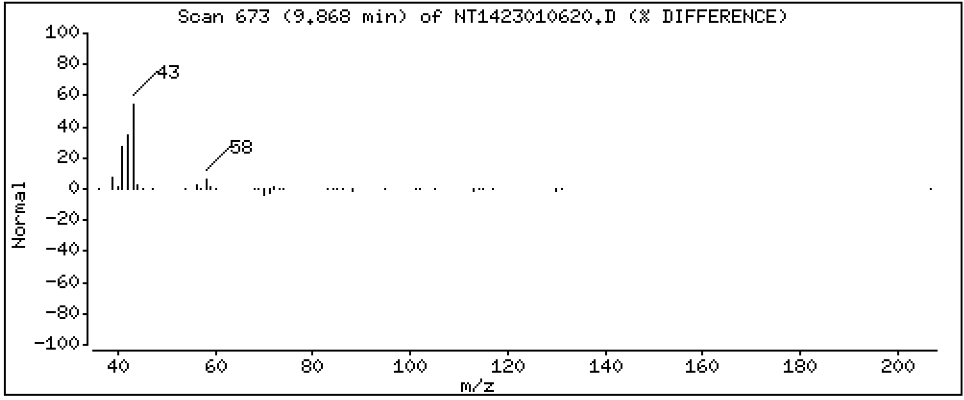
16 N-Nitroso-di-n-propylamine

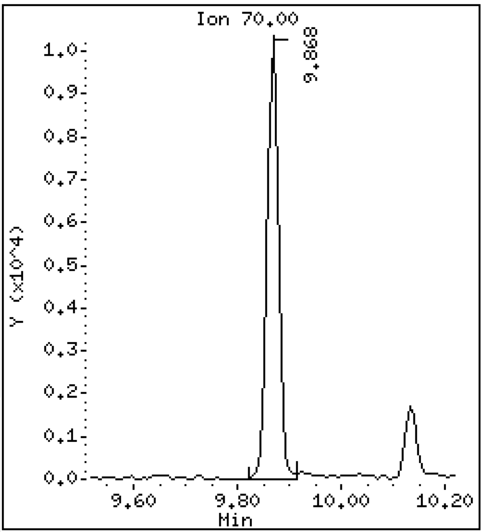
Concentration: 0.5155 ug/mL

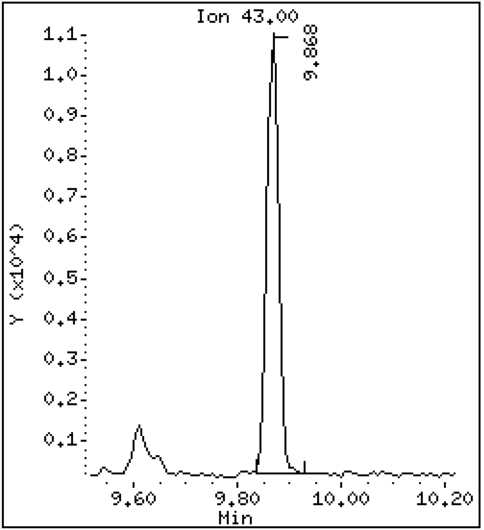


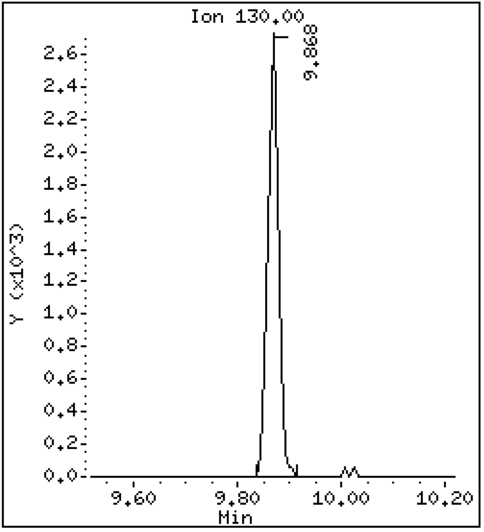












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Date : 06-JAN-2023 23:03

Client ID:

Instrument: nt14.i

Sample Info: SLA0068-LCV2

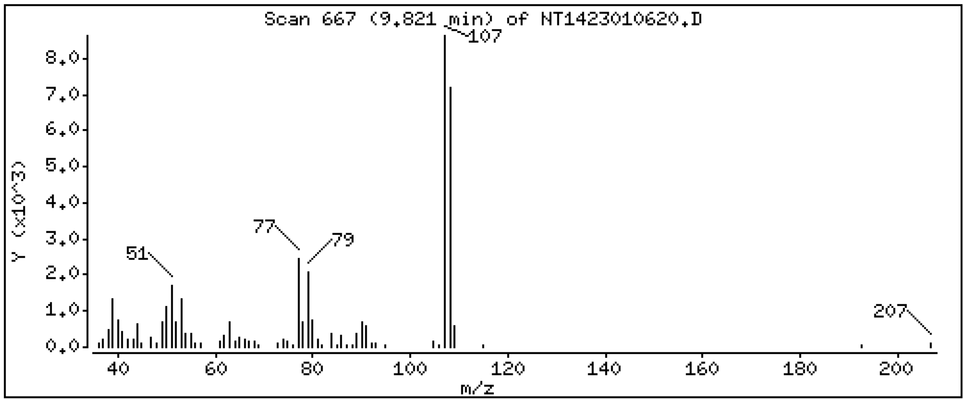
Operator: VTS

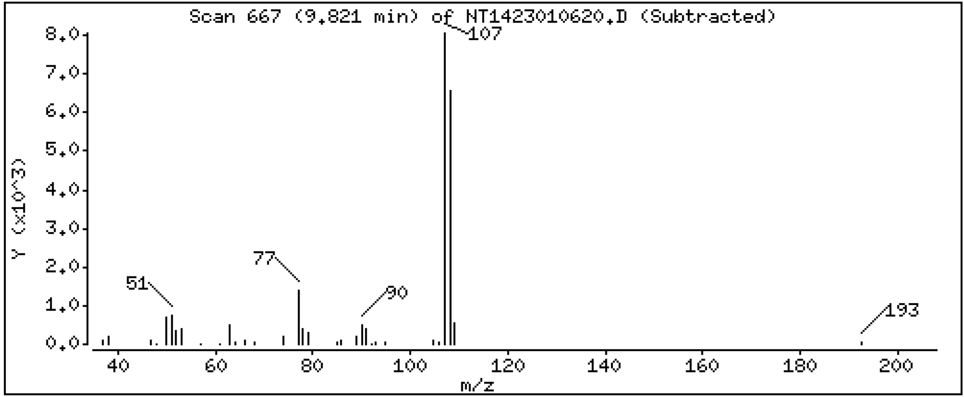
Column phase: ZB-5msi

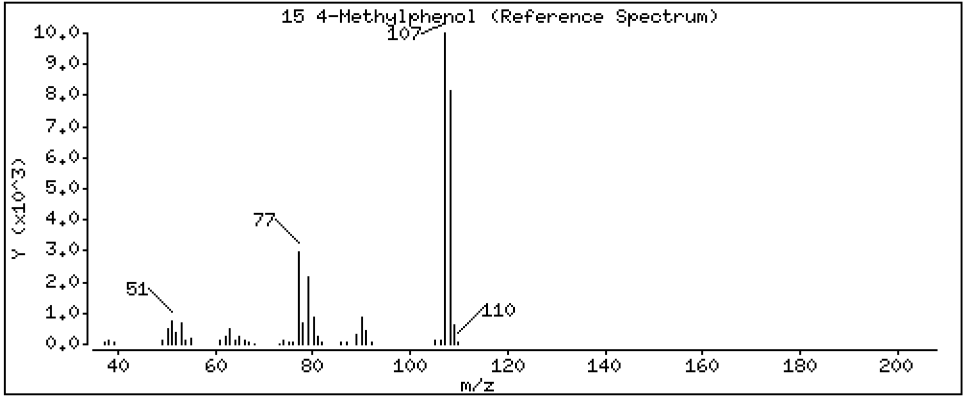
Column diameter: 0.25

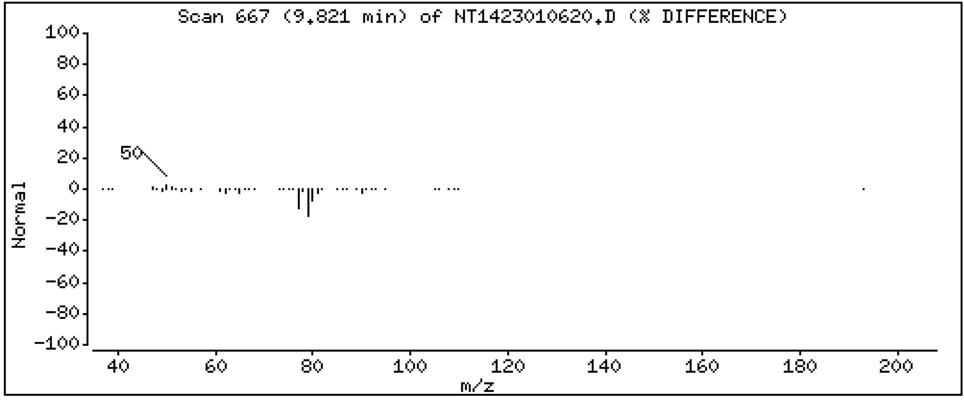
15 4-Methylphenol

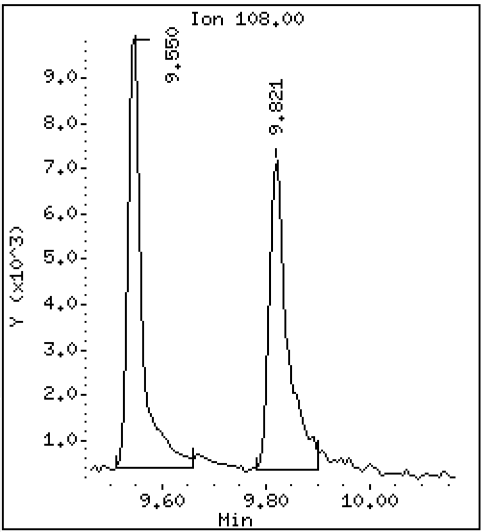
Concentration: 0.3300 ug/mL

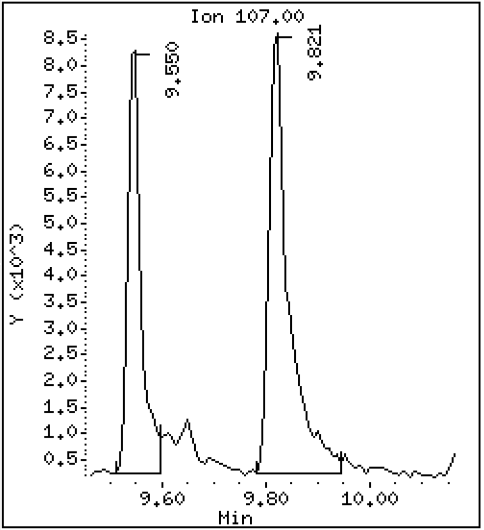


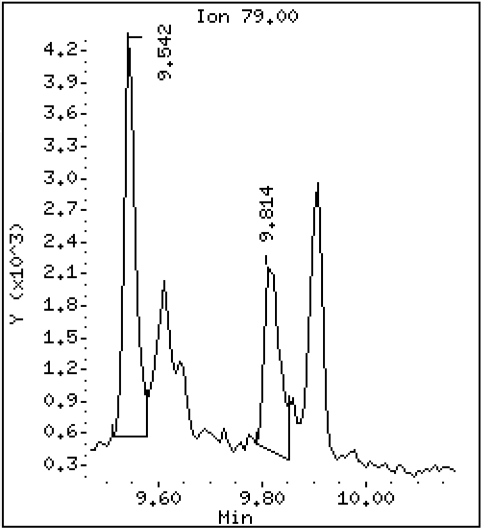












Date : 06-JAN-2023 23:03

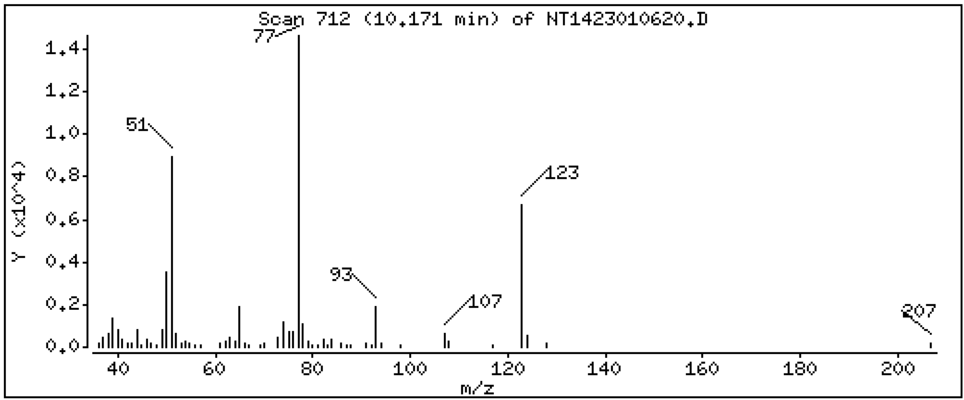
Client ID: Instrument: nt14.i

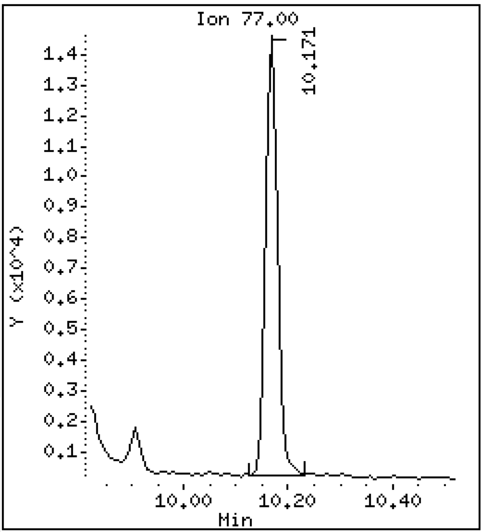
Sample Info: SLA0068-LCV2

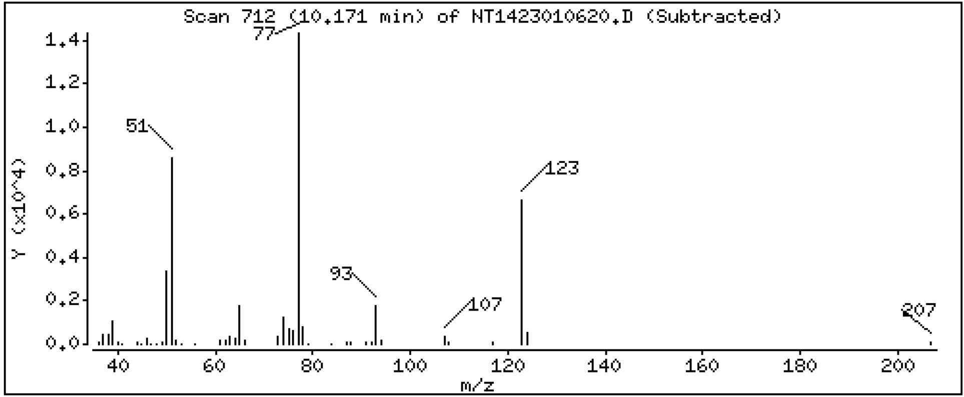
Operator: VTS

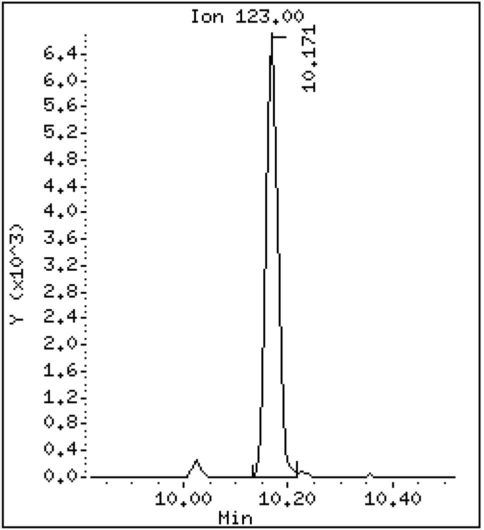
Column phase: ZB-5msi Column diameter: 0.25

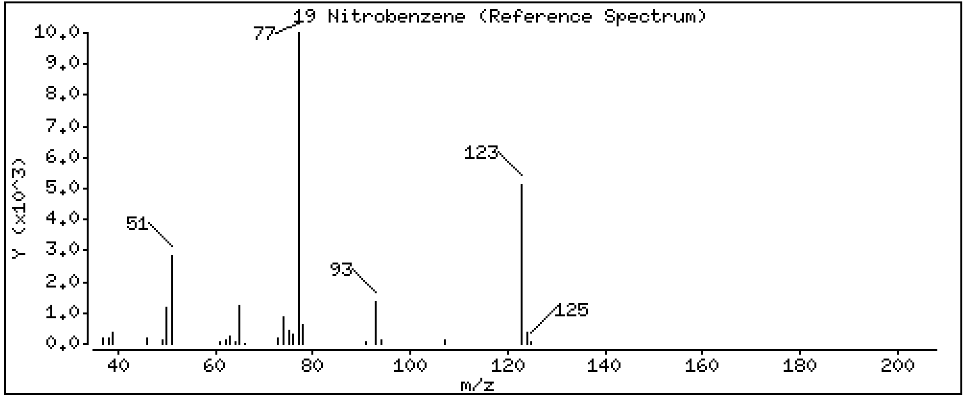
19 Nitrobenzene Concentration: 0.4923 ug/mL

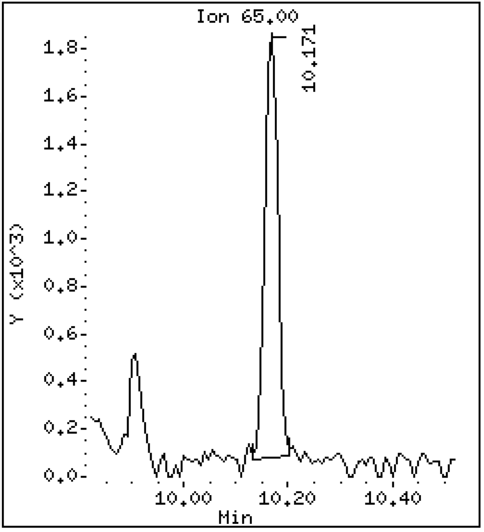


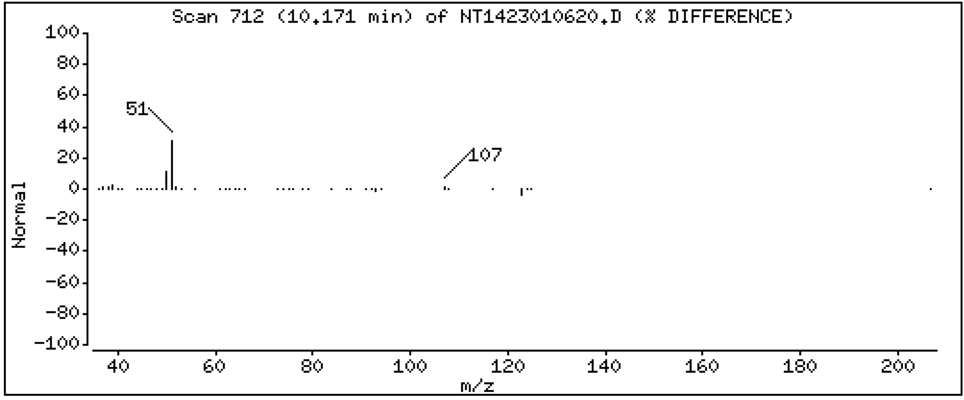












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Date : 06-JAN-2023 23:03

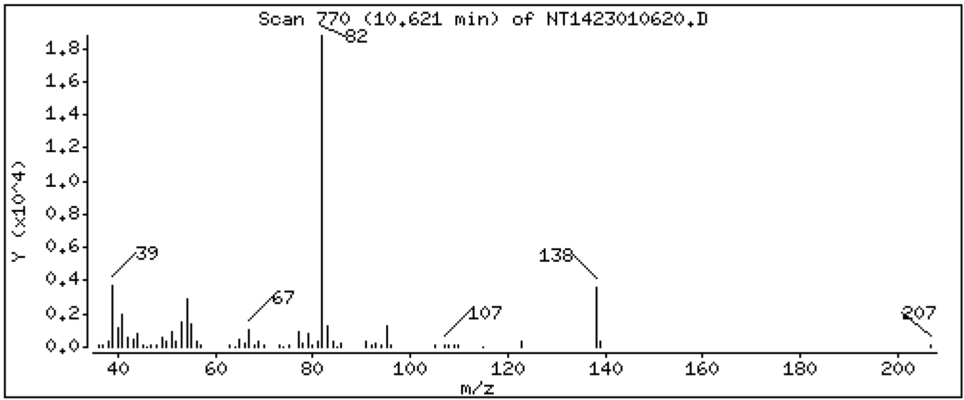
Client ID: Instrument: nt14.i

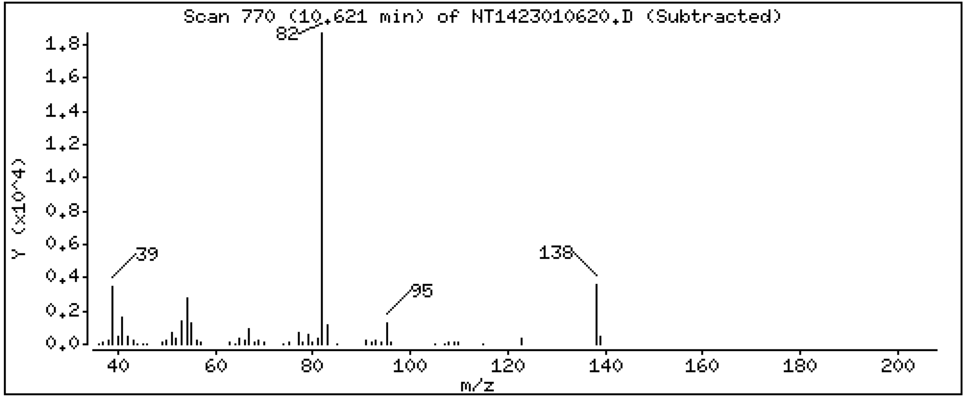
Sample Info: SLA0068-LCV2

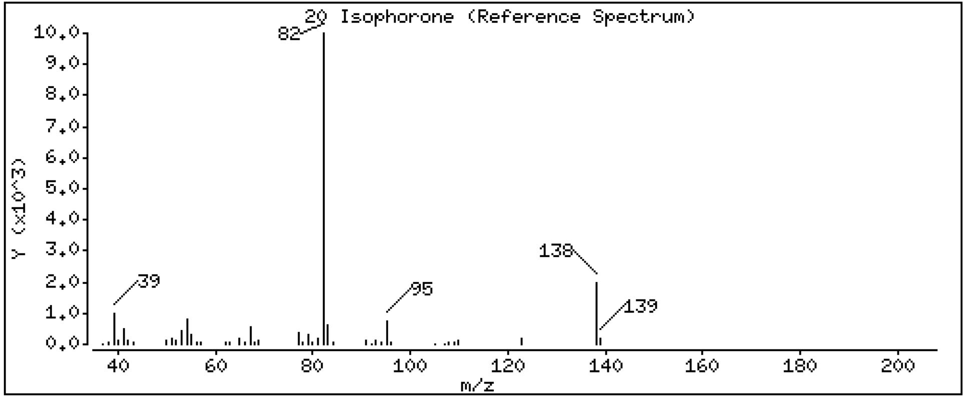
Operator: VTS

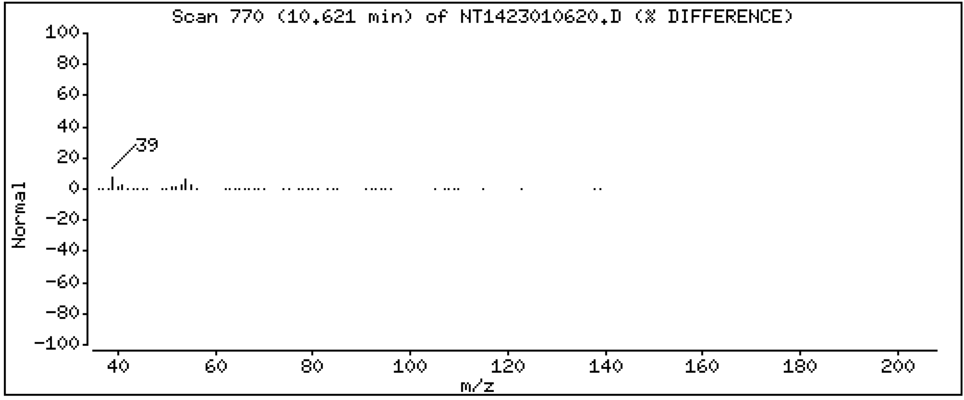
Column phase: ZB-5msi Column diameter: 0.25

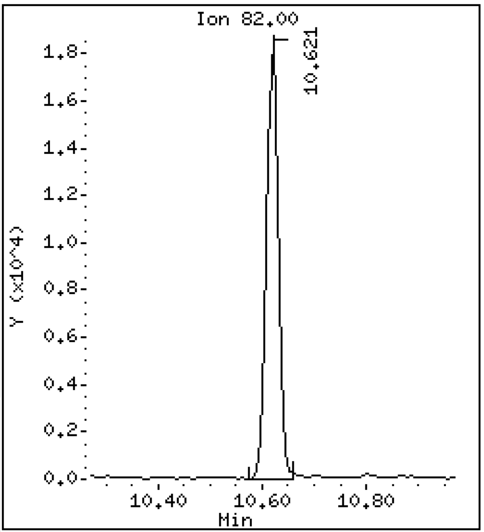
20 Isophorone Concentration: 0.4844 ug/mL

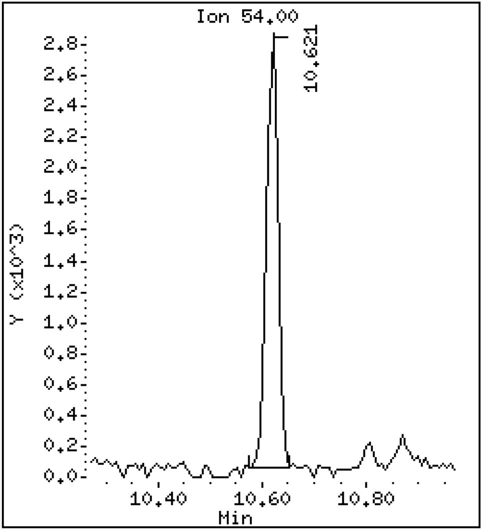


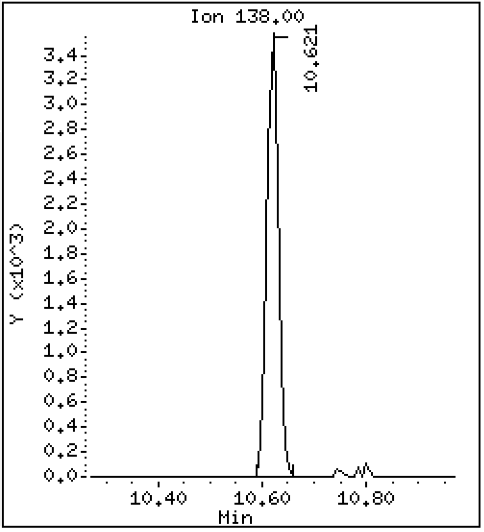












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Date : 06-JAN-2023 23:03

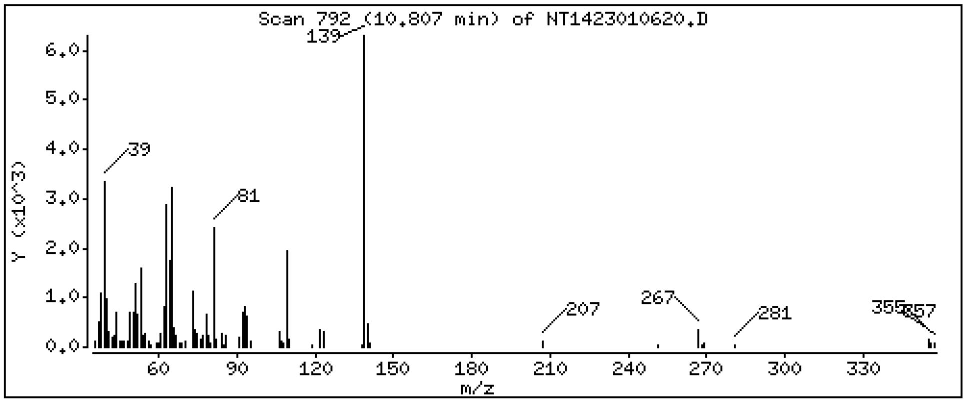
Client ID: Instrument: nt14.i

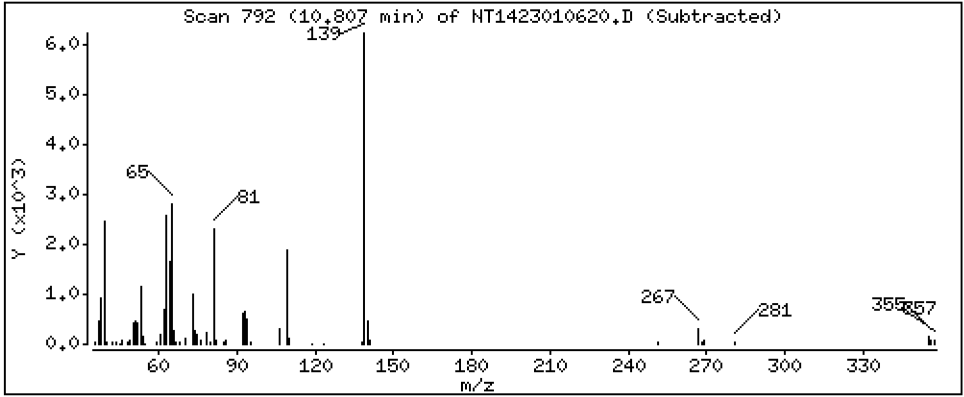
Sample Info: SLA0068-LCV2

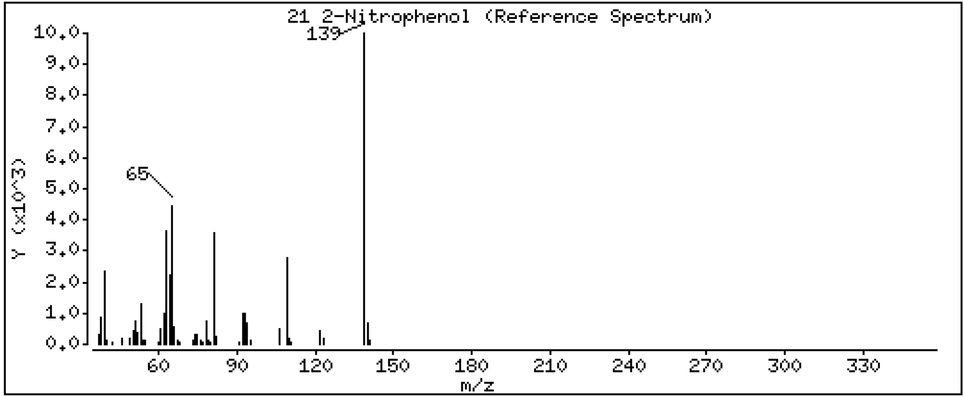
Operator: VTS

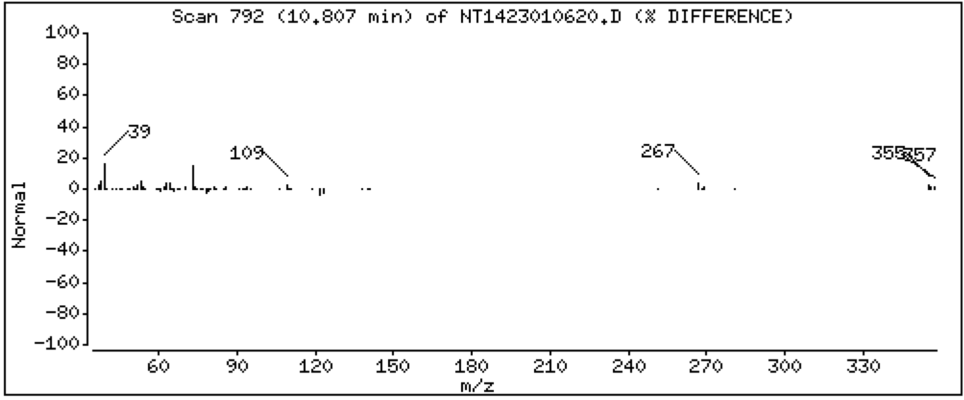
Column phase: ZB-5msi Column diameter: 0.25

21 2-Nitrophenol Concentration: 0.4302 ug/mL


Scan 792 (10.807 min) of NT1423010620.D


Scan 792 (10.807 min) of NT1423010620.D (Subtracted)


21 2-Nitrophenol (Reference Spectrum)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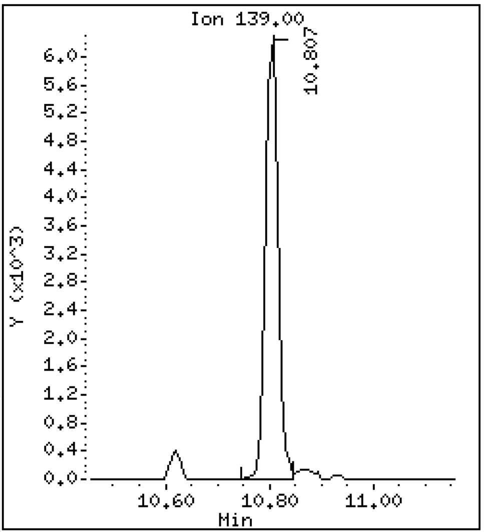
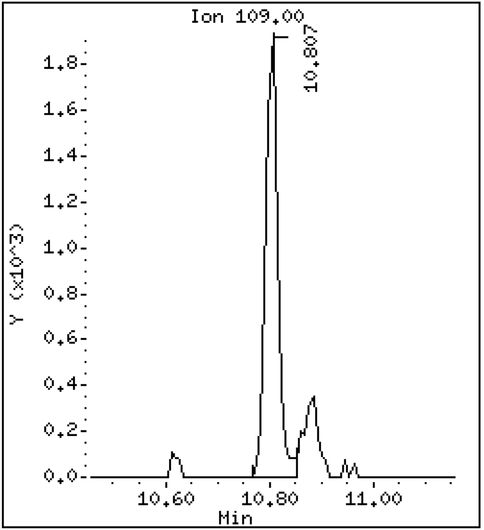

Ion 139.00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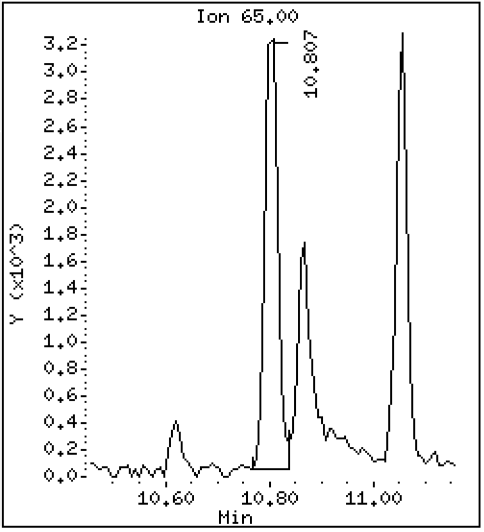
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Date : 06-JAN-2023 23:03

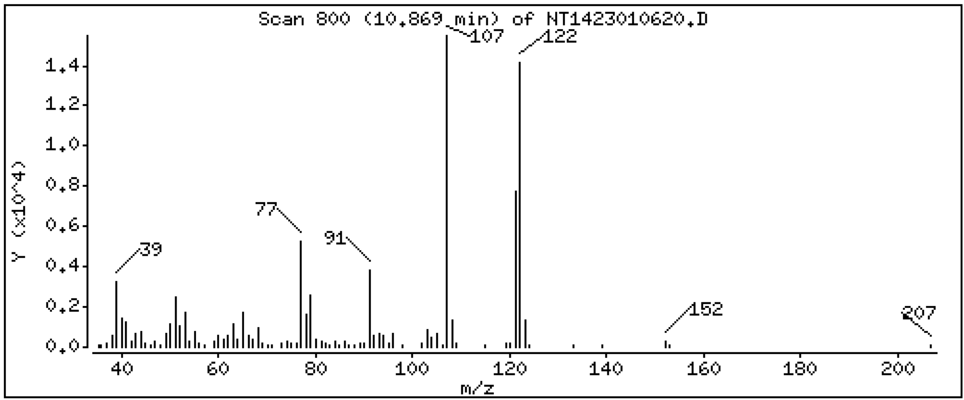
Client ID: Instrument: nt14.i

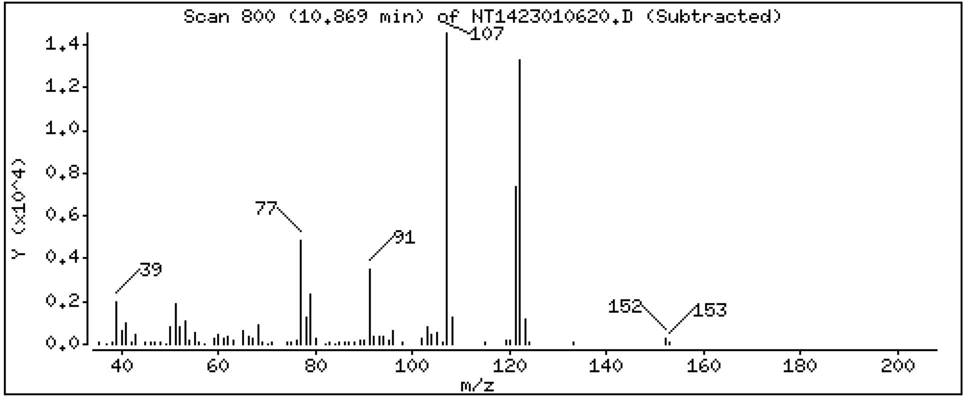
Sample Info: SLA0068-LCV2

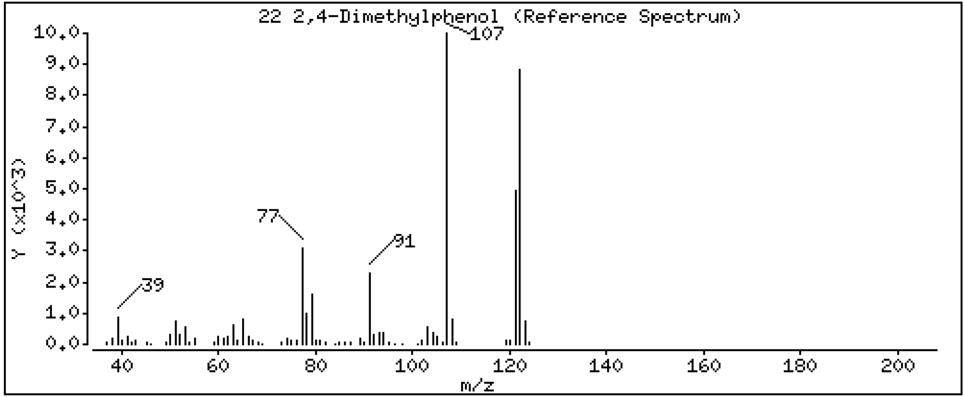
Operator: VTS

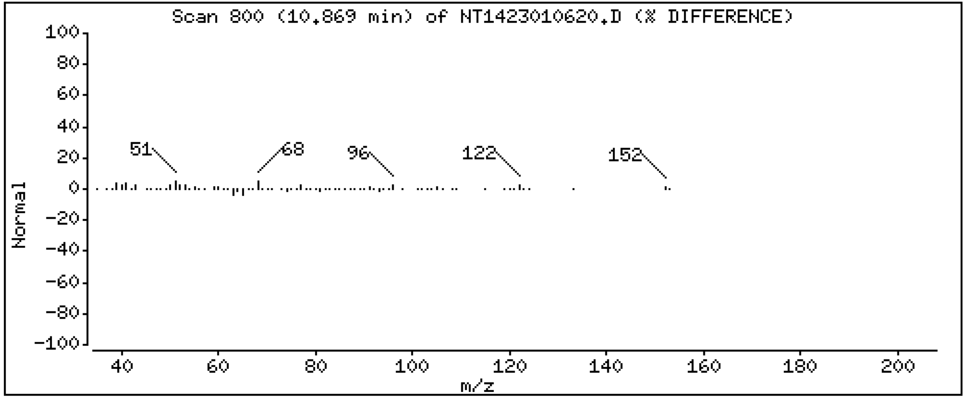
Column phase: ZB-5msi Column diameter: 0.25

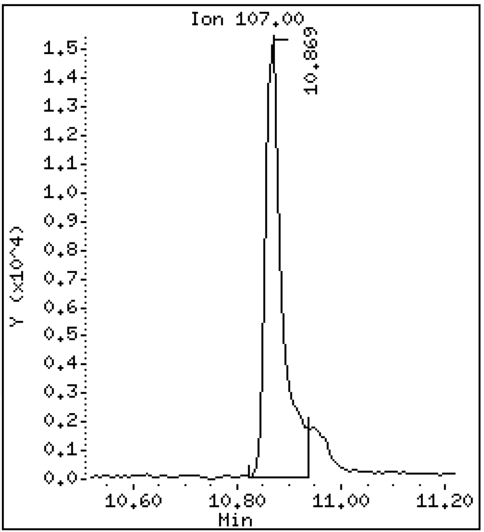
22 2,4-Dimethylphenol Concentration: 0.7152 ug/mL

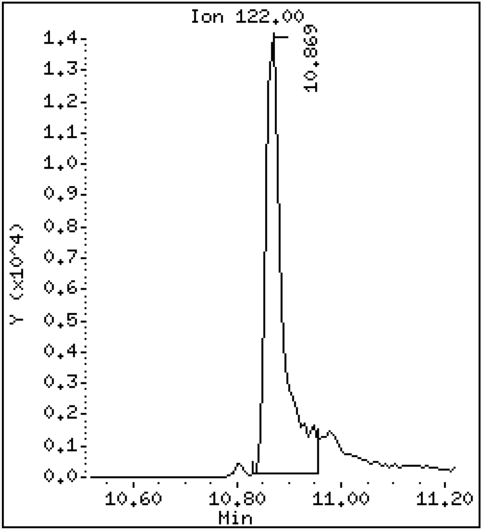


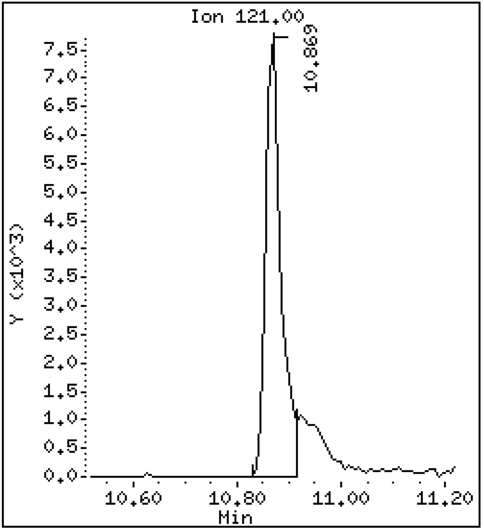












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Date : 06-JAN-2023 23:03

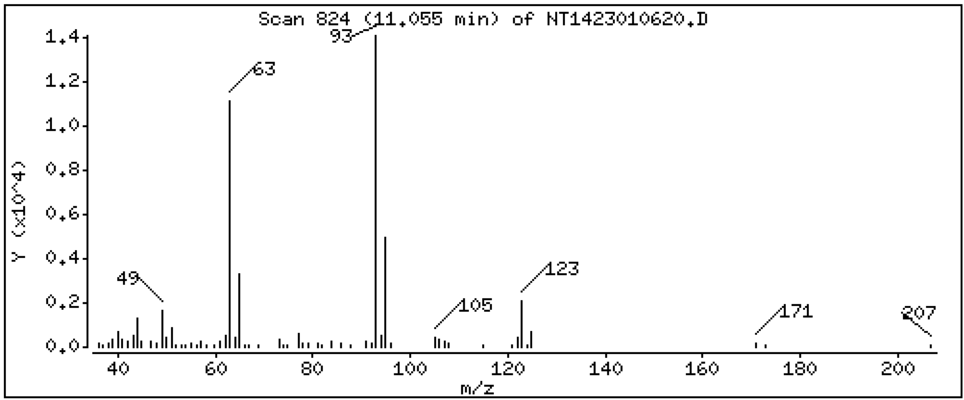
Client ID: Instrument: nt14.i

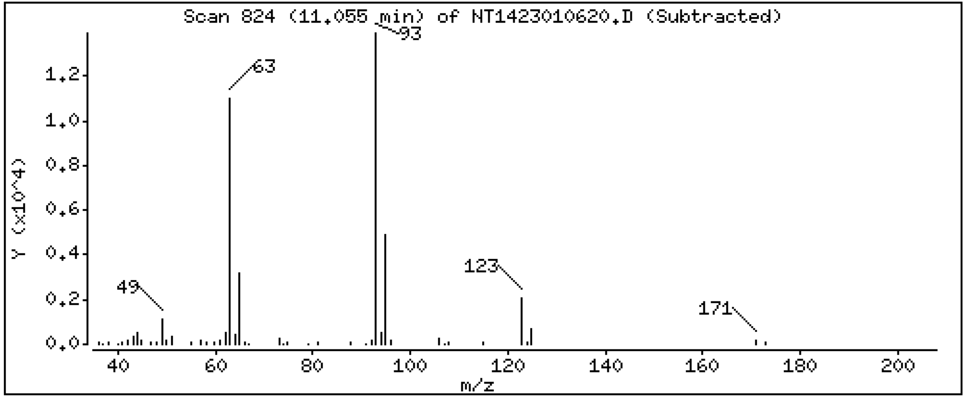
Sample Info: SLA0068-LCV2

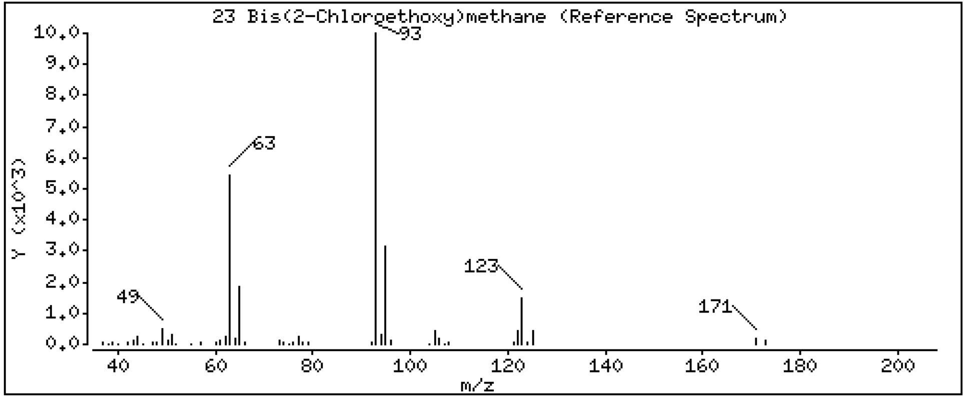
Operator: VTS

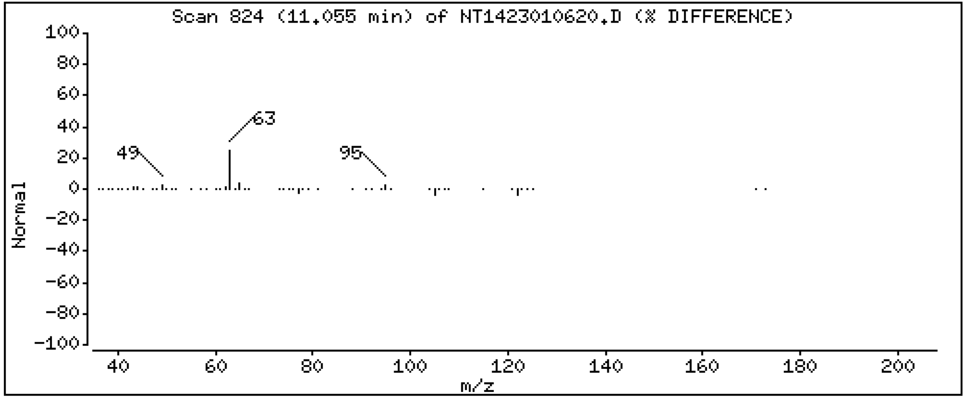
Column phase: ZB-5msi Column diameter: 0.25

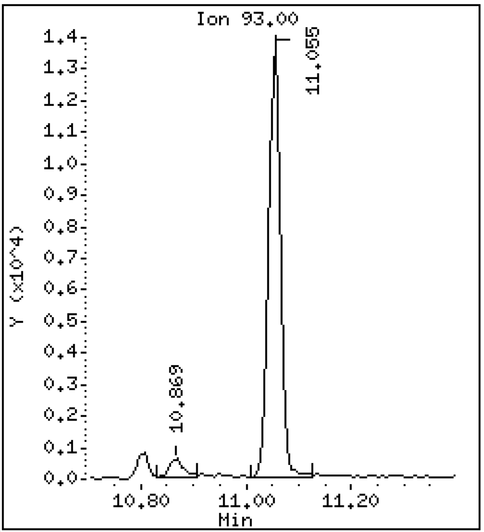
23 Bis(2-Chloroethoxy)methane Concentration: 0.4626 ug/mL

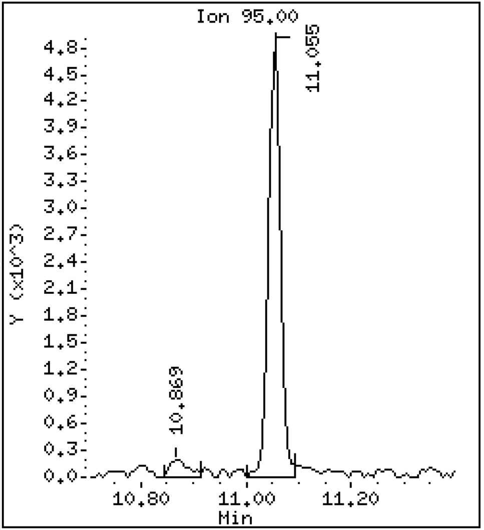


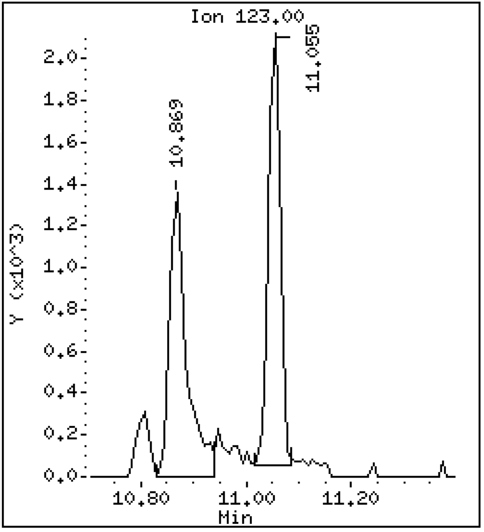












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Date : 06-JAN-2023 23:03

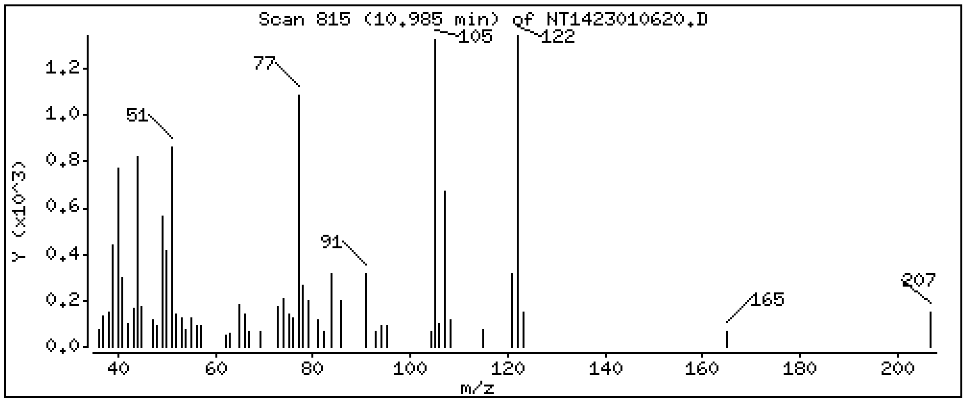
Client ID: Instrument: nt14.i

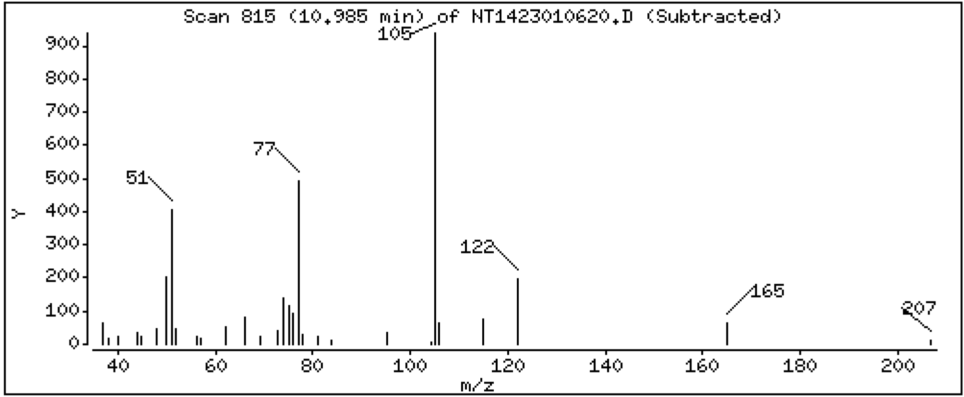
Sample Info: SLA0068-LCV2

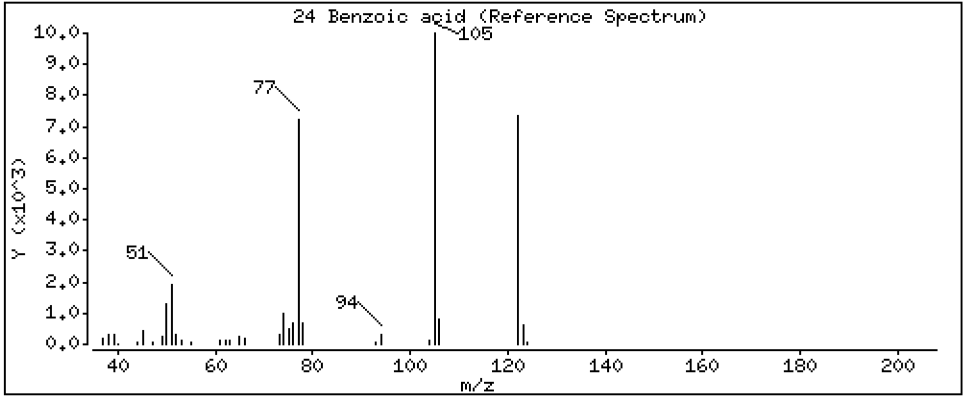
Operator: VTS

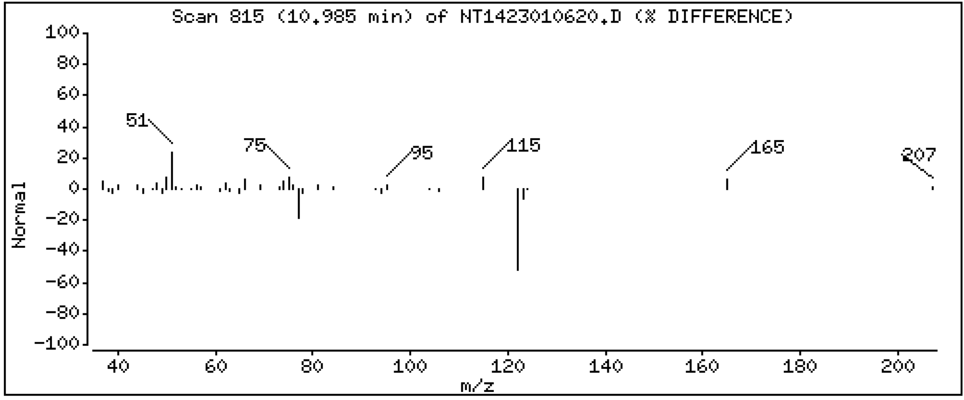
Column phase: ZB-5msi Column diameter: 0.25

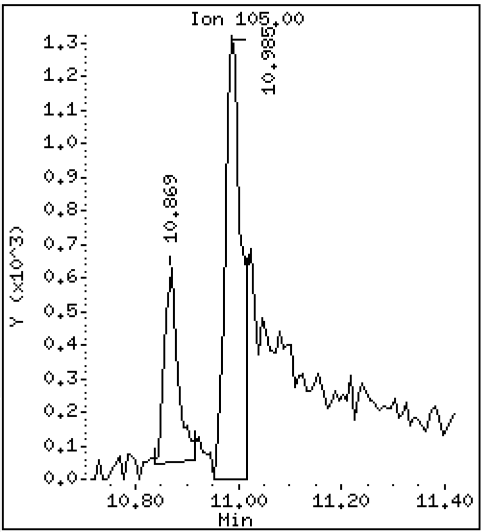
24 Benzoic acid Concentration: 0.1039 ug/mL

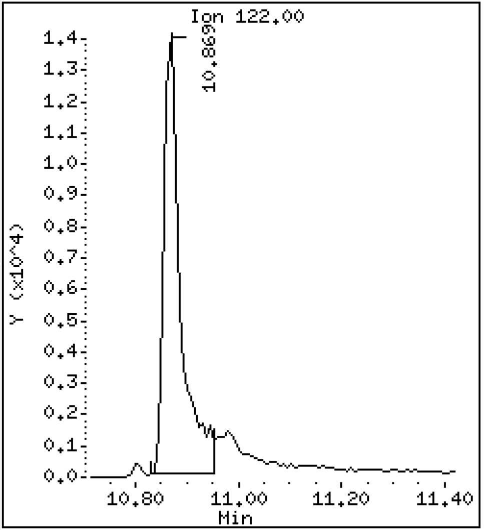


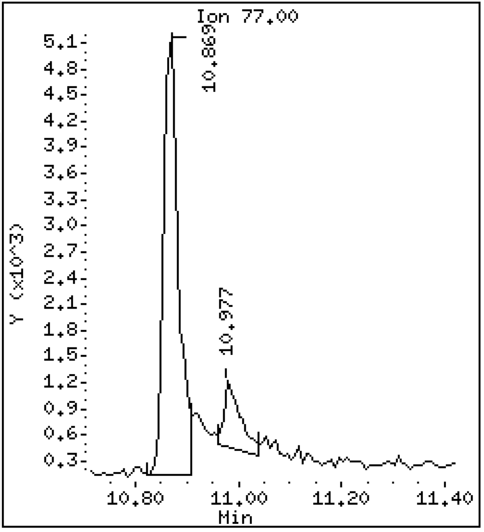












Data File: \\target\share\chem3\nt14.i\20230106.b\NT1423010620.D

Date : 06-JAN-2023 23:03

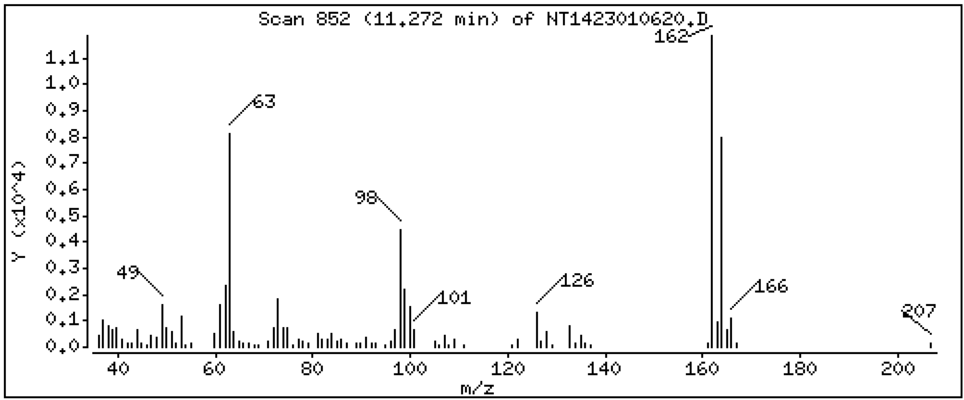
Client ID: Instrument: nt14.i

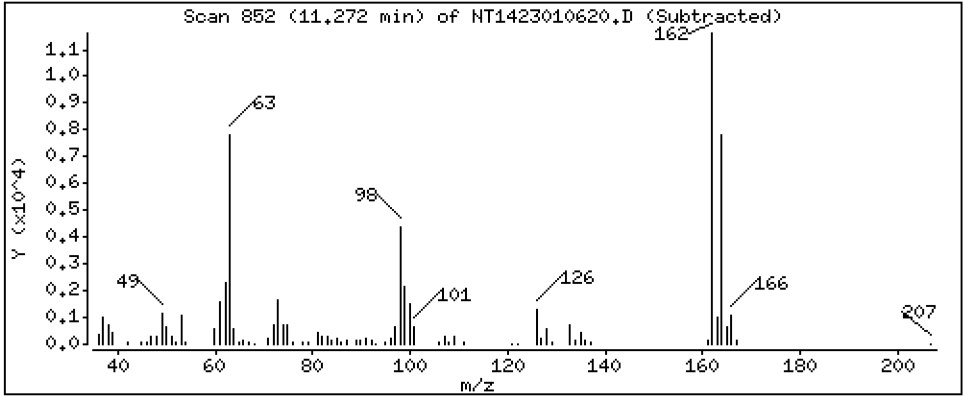
Sample Info: SLA0068-LCV2

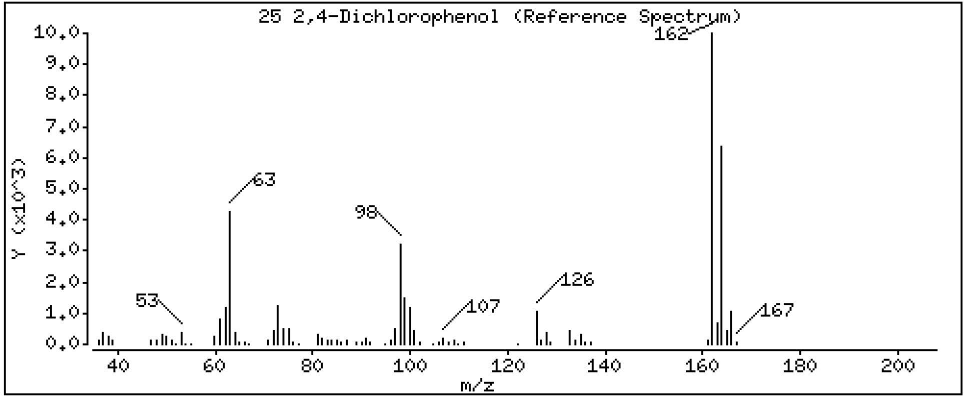
Operator: VTS

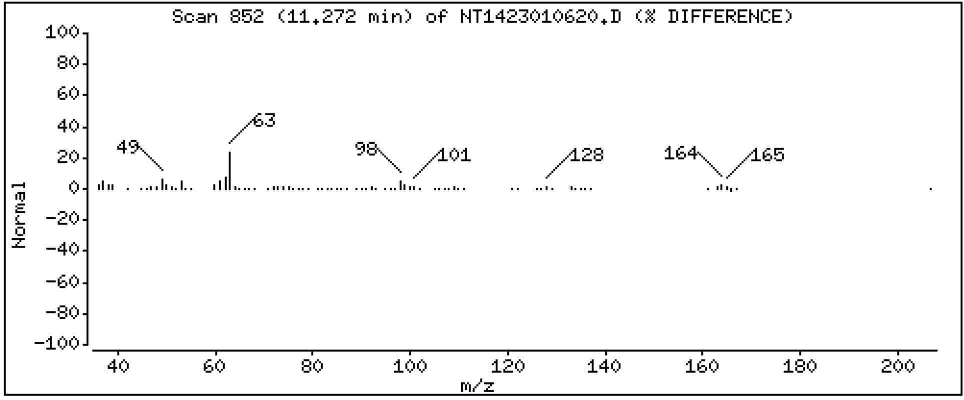
Column phase: ZB-5msi Column diameter: 0.25

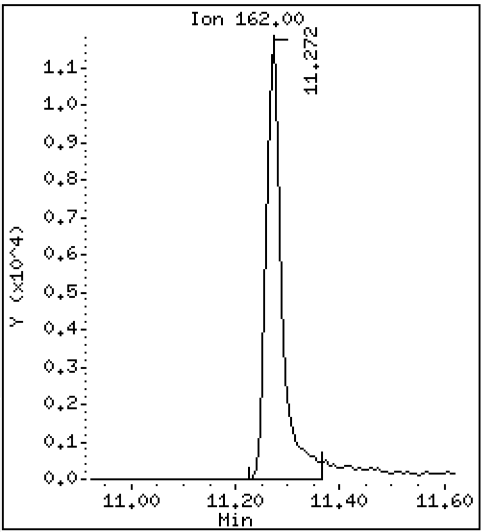
25 2,4-Dichlorophenol Concentration: 0.6201 ug/mL

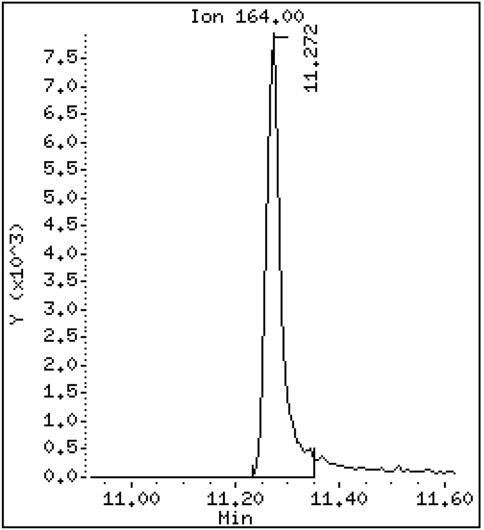


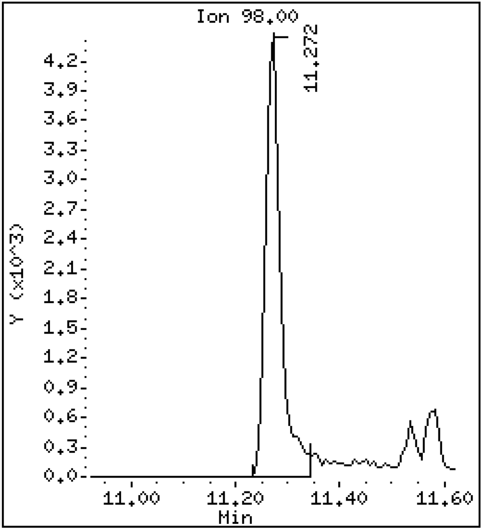












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Date : 06-JAN-2023 23:03

Client ID: Instrument: nt14.i

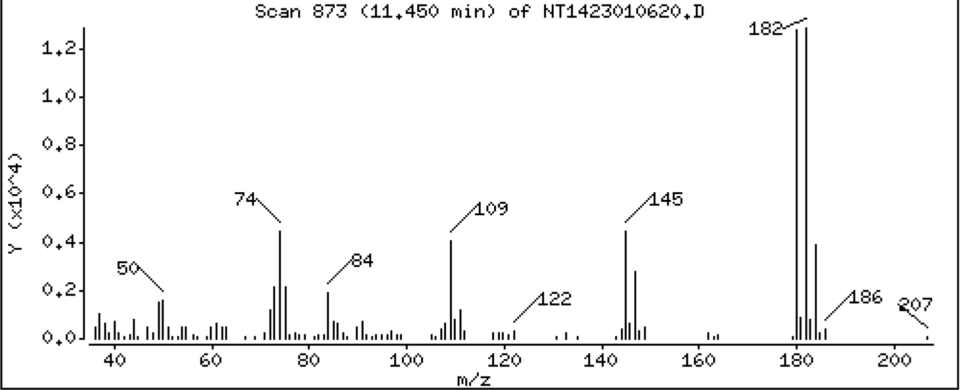
Sample Info: SLA0068-LCV2

Operator: VTS

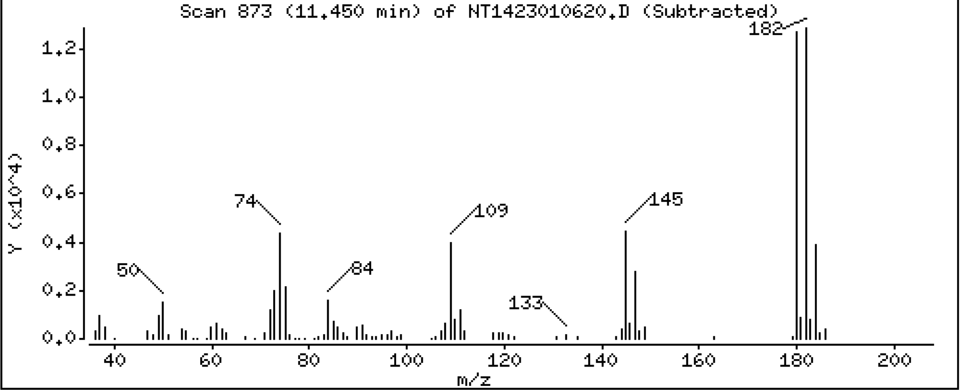
Column phase: ZB-5msi Column diameter: 0.25

26 1,2,4-Trichlorobenzene Concentration: 0.5482 ug/mL

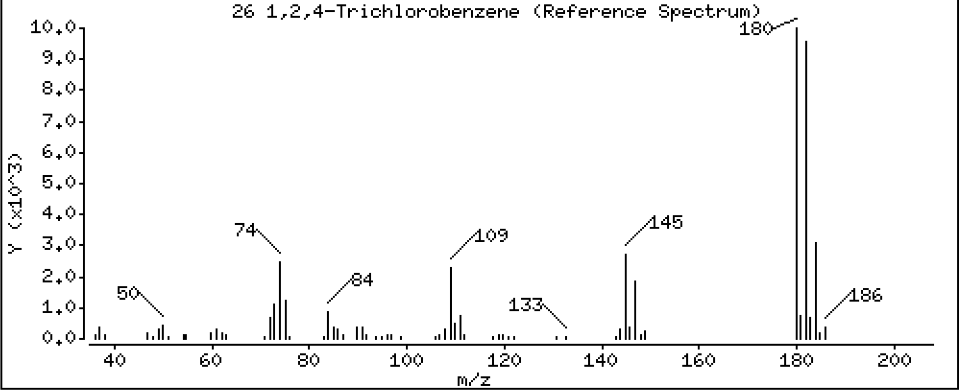
Scan 873 (11.450 min) of NT1423010620.D



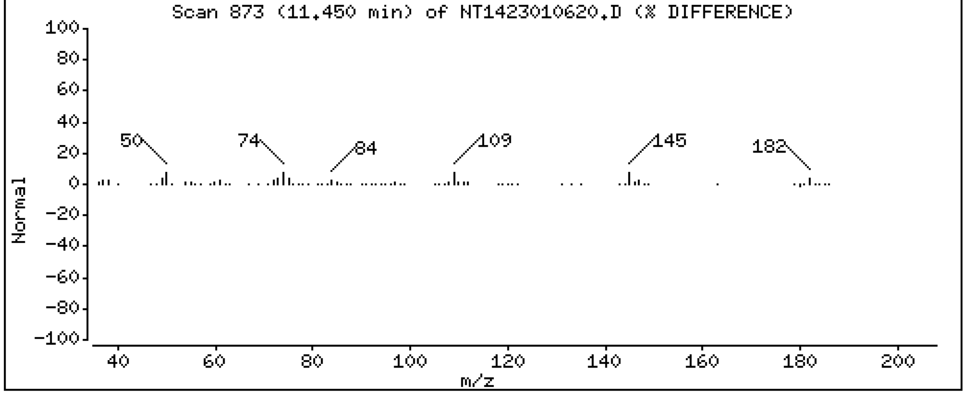
Scan 873 (11.450 min) of NT1423010620.D (Subtracted)



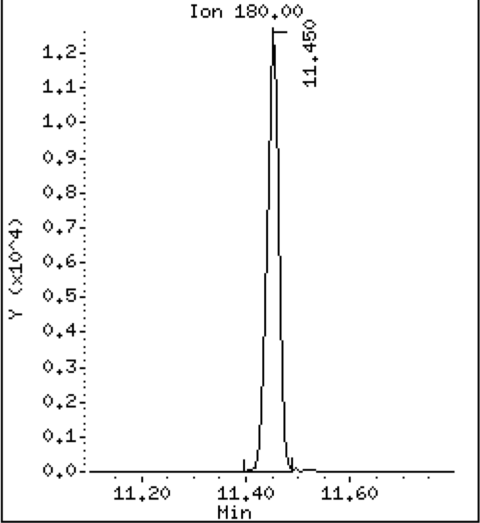
26 1,2,4-Trichlorobenzene (Reference Spectrum)



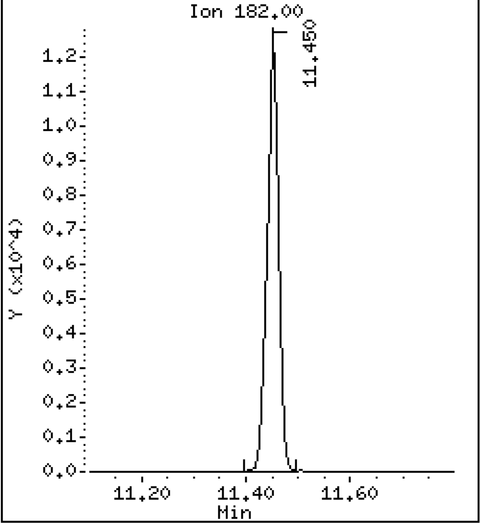
Scan 873 (11.450 min) of NT1423010620.D (% DIFFERENCE)



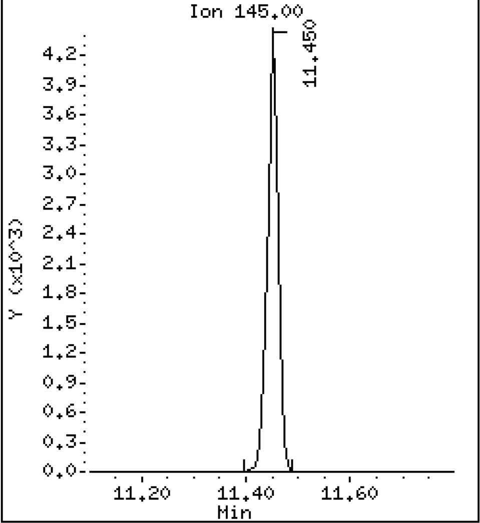
Ion 180.00



Ion 182.00



Ion 145.00



Data File: \\target\share\chem3\nt14.i\20230106.b\NT1423010620.D

Date : 06-JAN-2023 23:03

Client ID:

Instrument: nt14.i

Sample Info: SLA0068-LCV2

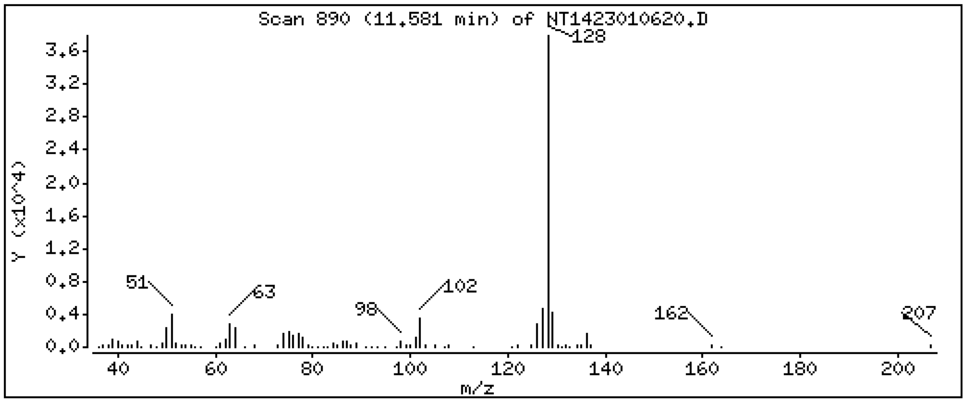
Operator: VTS

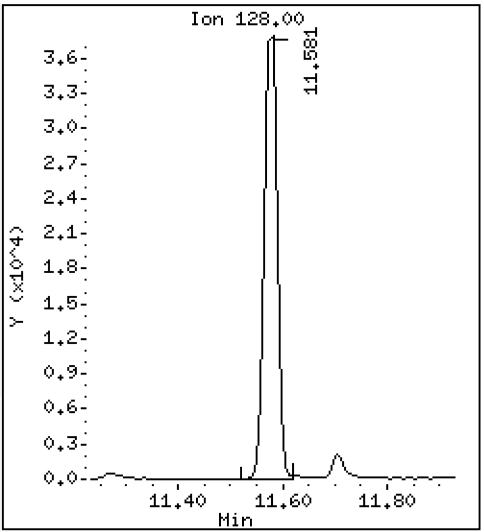
Column phase: ZB-5msi

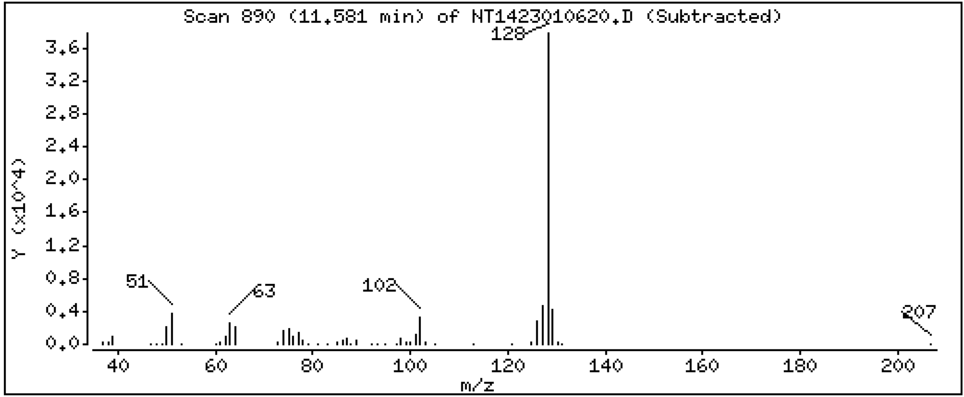
Column diameter: 0.25

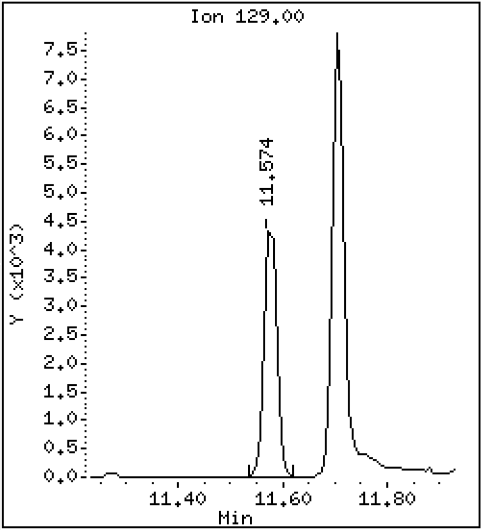
28 Naphthalene

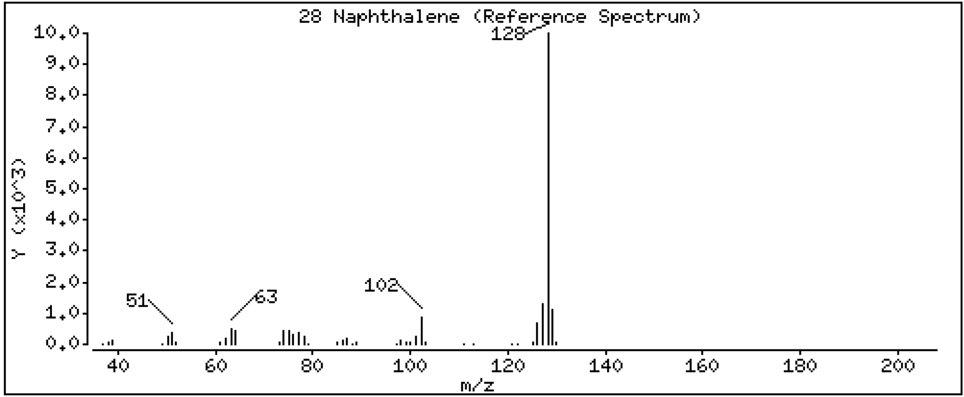
Concentration: 0.4696 ug/mL

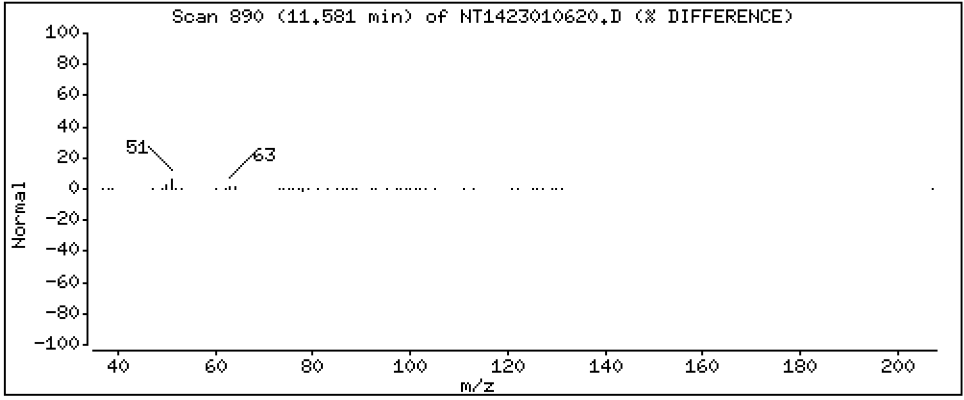


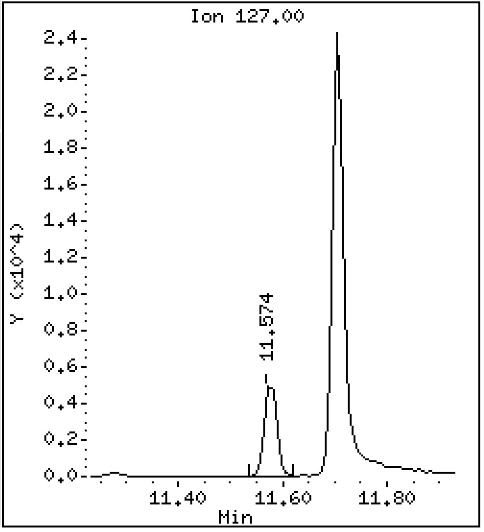












Data File: \\target\share\chem3\nt14.i\20230106.b\NT1423010620.D

Date : 06-JAN-2023 23:03

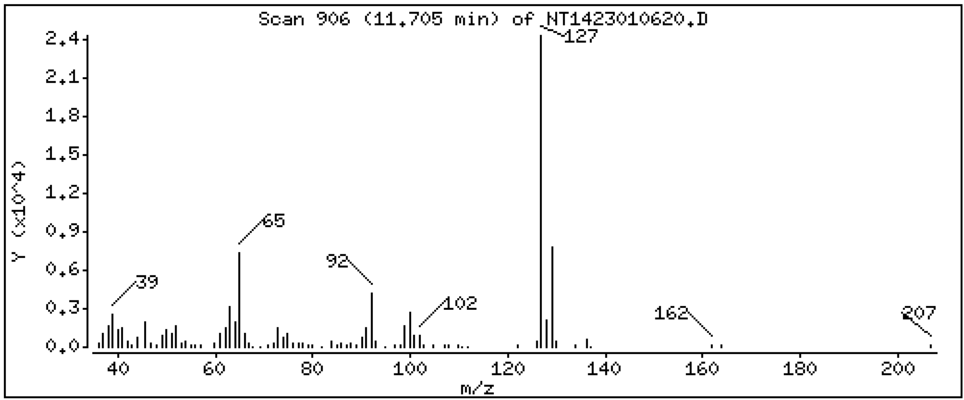
Client ID: Instrument: nt14.i

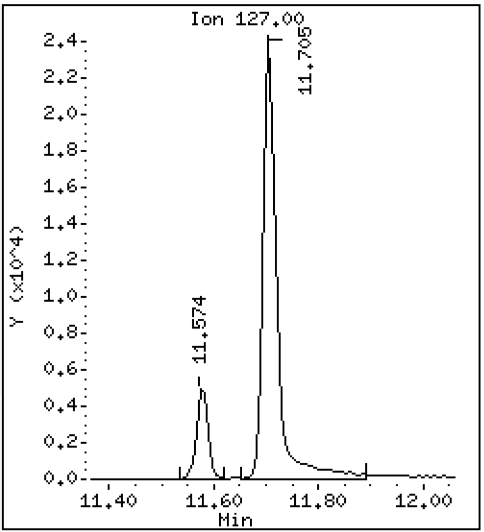
Sample Info: SLA0068-LCV2

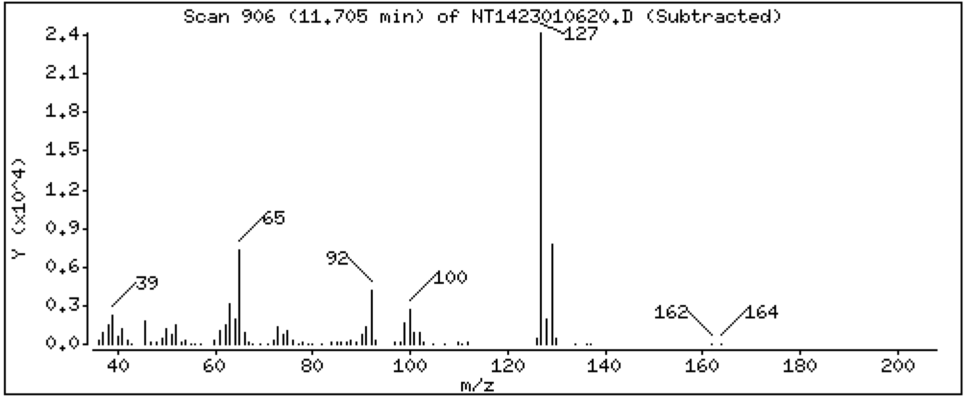
Operator: VTS

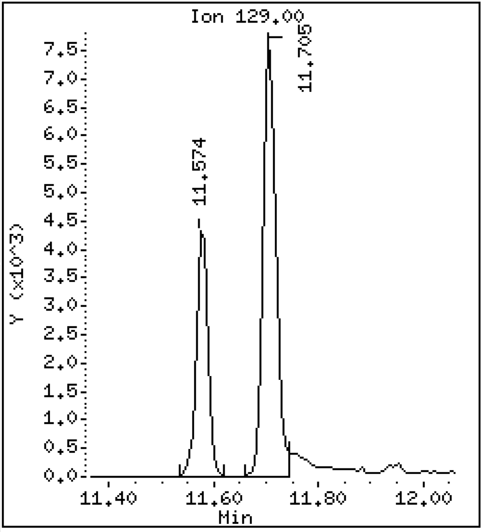
Column phase: ZB-5msi Column diameter: 0.25

29 4-Chloroaniline Concentration: 0.8098 ug/mL


Scan 906 (11.705 min) of NT1423010620.D


Ion 127.00


Scan 906 (11.705 min) of NT1423010620.D (Subtracted)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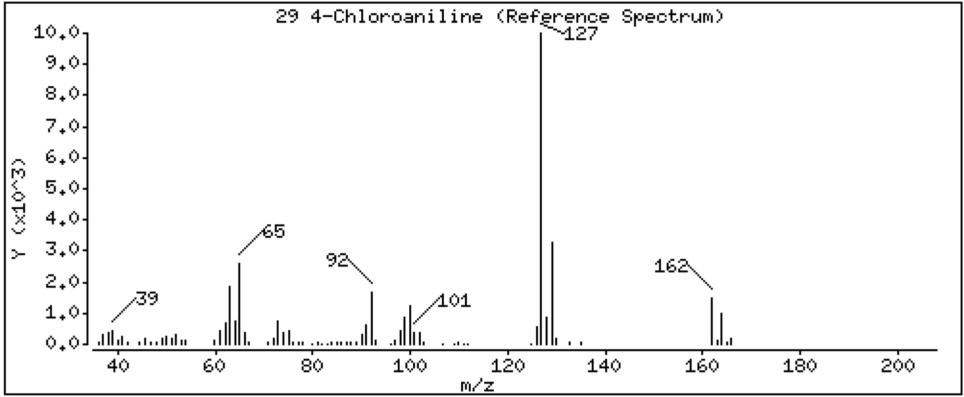
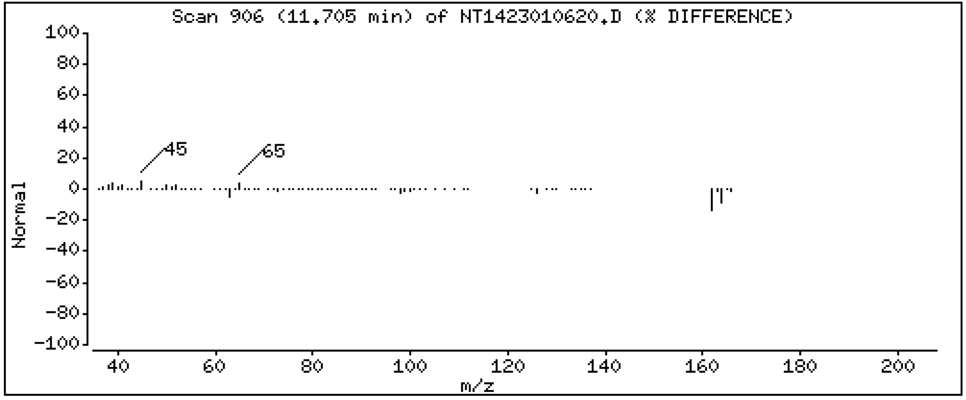

29 4-Chloroaniline (Reference Spectrum)


Scan 906 (11.705 min) of NT1423010620.D (% DIFFERENCE)

Data File: \\target\share\chem3\nt14.i\20230106.b\NT1423010620.D

Date : 06-JAN-2023 23:03

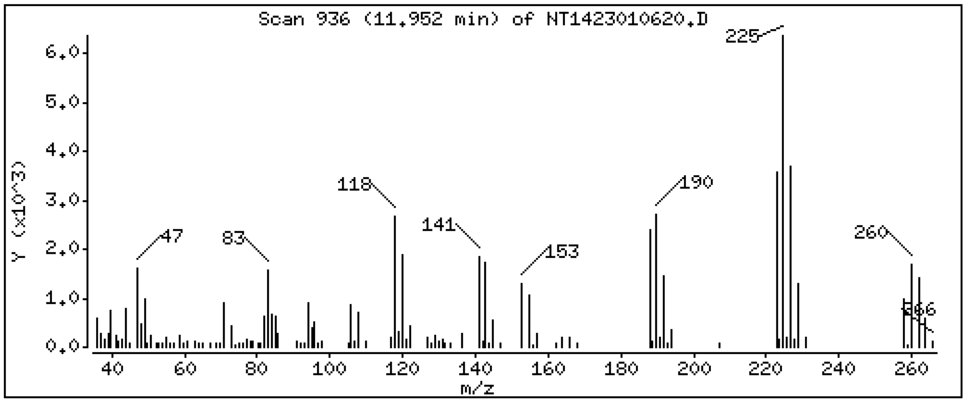
Client ID: Instrument: nt14.i

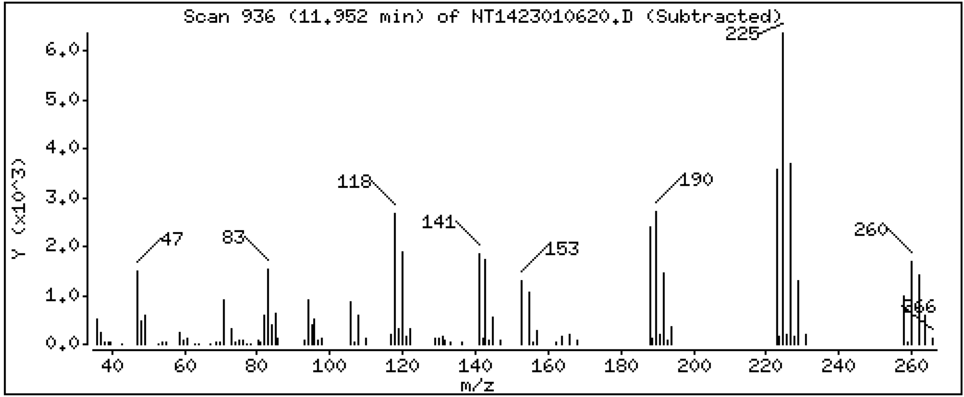
Sample Info: SLA0068-LCV2

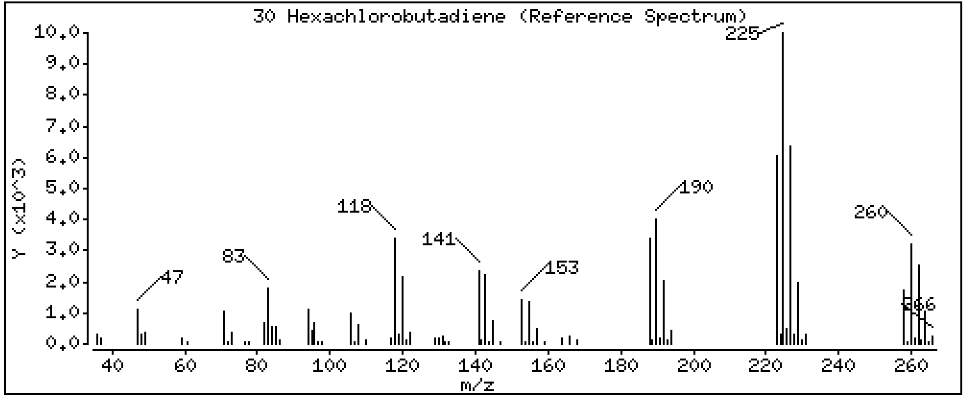
Operator: VTS

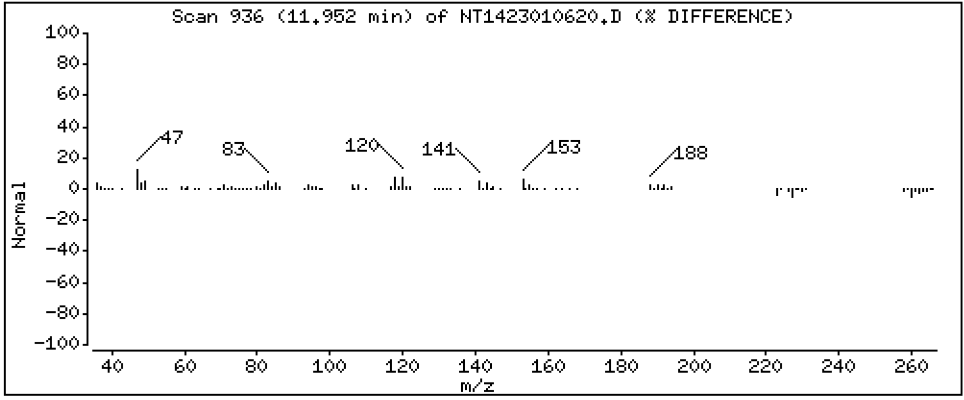
Column phase: ZB-5msi Column diameter: 0.25

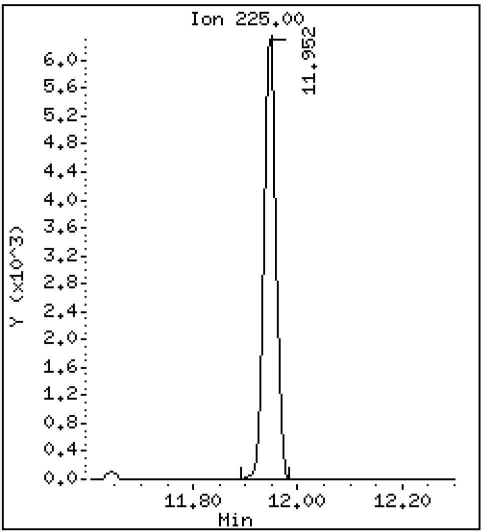
30 Hexachlorobutadiene Concentration: 0.5745 ug/mL

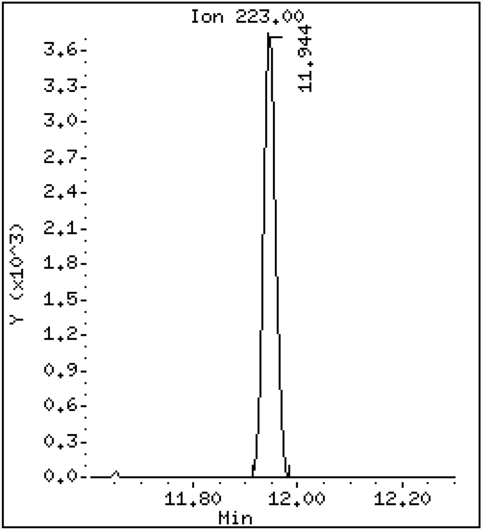

Scan 936 (11.952 min) of NT1423010620.D

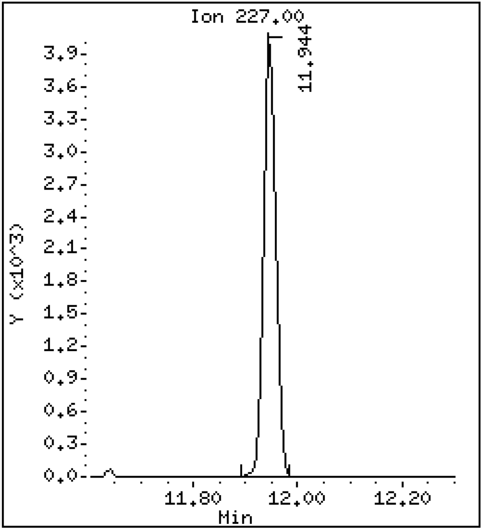

Scan 936 (11.952 min) of NT1423010620.D (Subtracted)


30 Hexachlorobutadiene (Reference Spectrum)


Scan 936 (11.952 min) of NT1423010620.D (% DIFFERENCE)


Ion 225.00


Ion 223.00


Ion 227.00

Data File: \\target\share\chem3\nt14.i\20230106.b\NT1423010620.D

Date : 06-JAN-2023 23:03

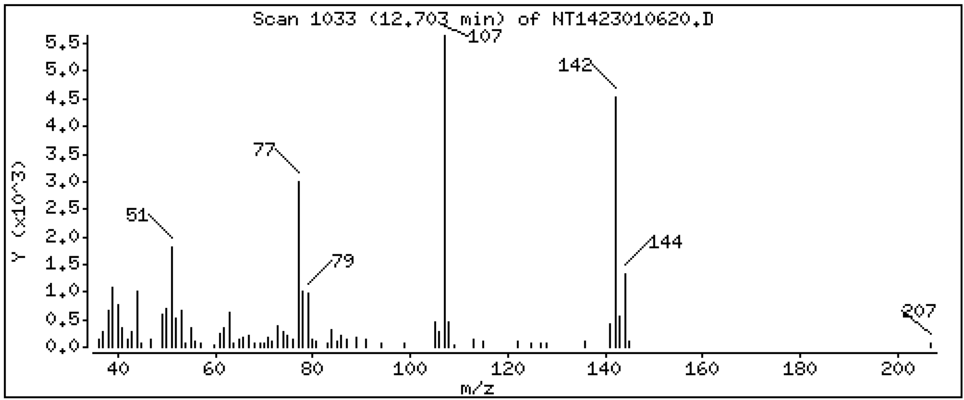
Client ID: Instrument: nt14.i

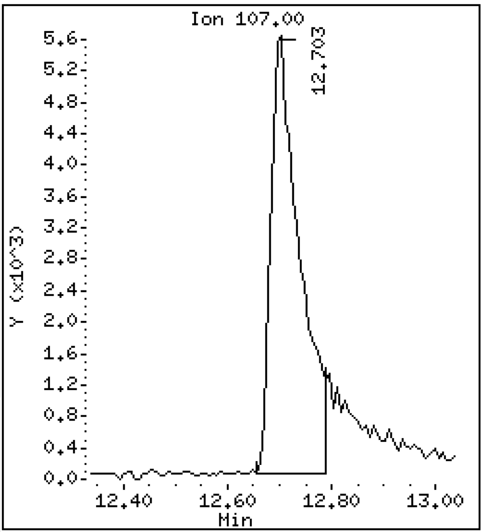
Sample Info: SLA0068-LCV2

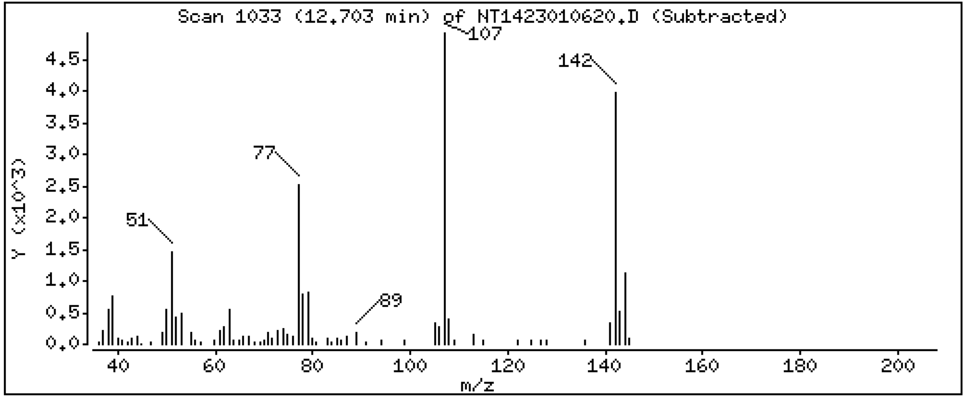
Operator: VTS

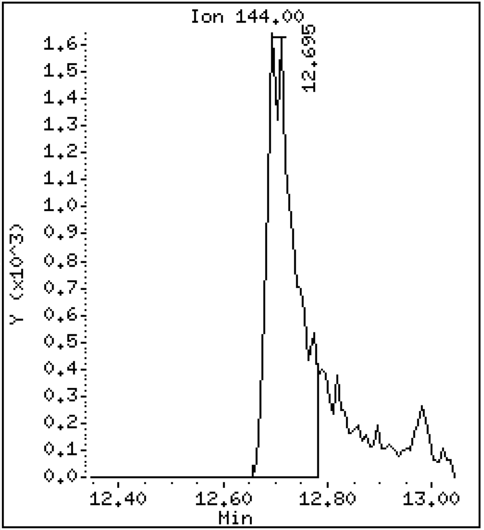
Column phase: ZB-5msi Column diameter: 0.25

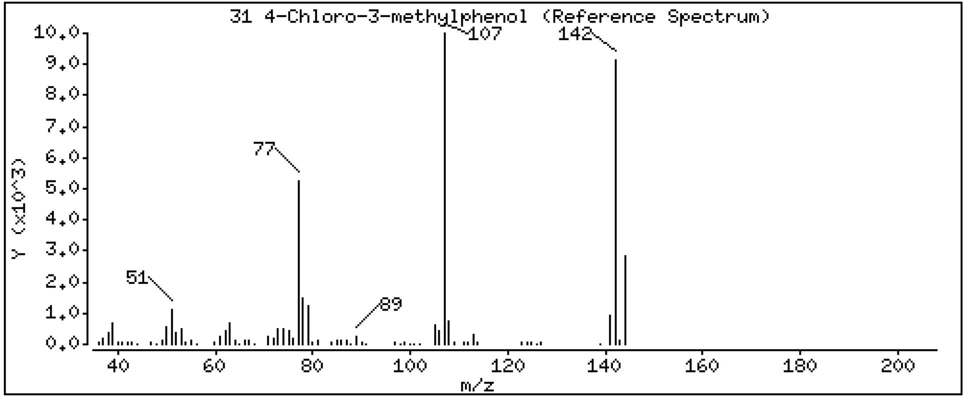
31 4-Chloro-3-methylphenol Concentration: 0.5836 ug/mL

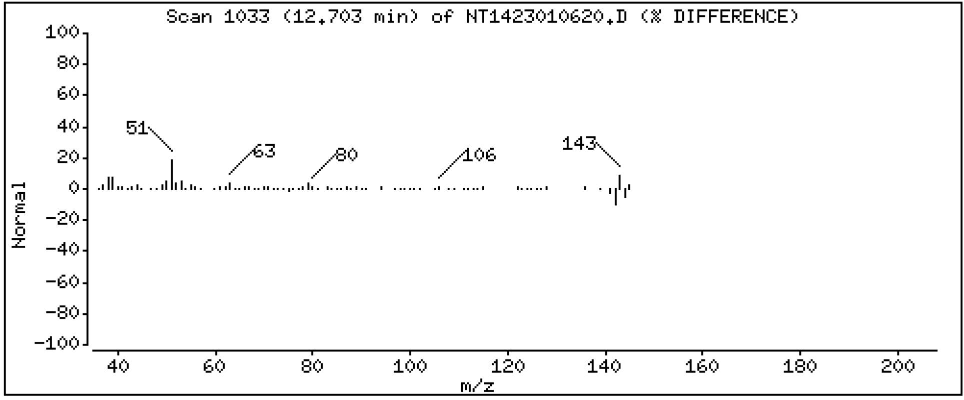


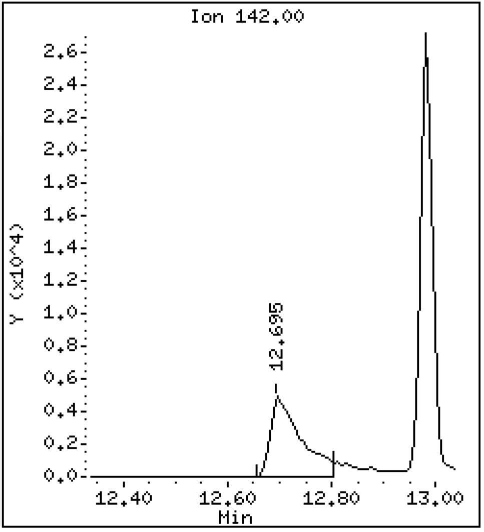












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Date : 06-JAN-2023 23:03

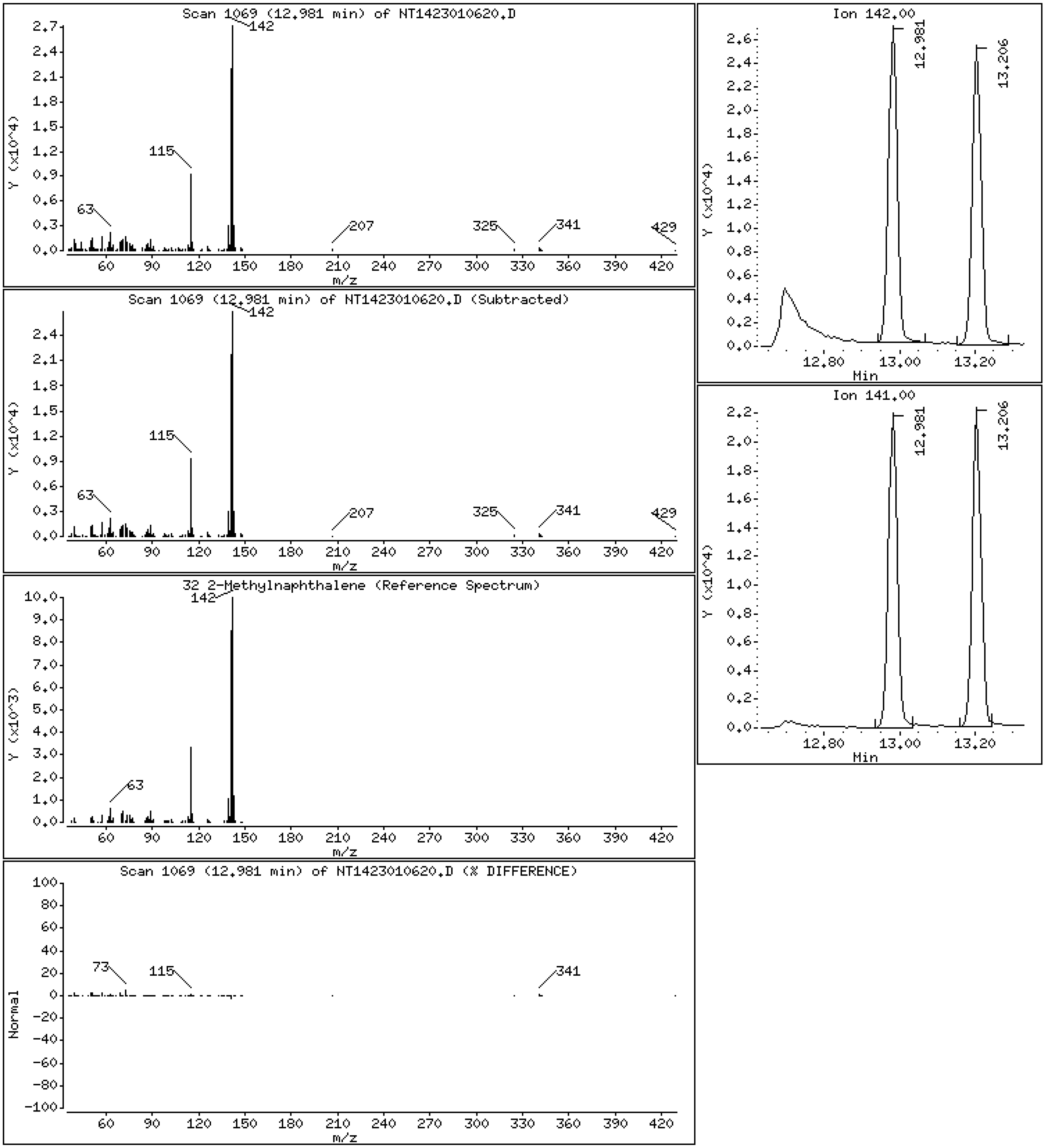
Client ID: Instrument: nt14.i

Sample Info: SLA0068-LCV2

Operator: VTS

Column phase: ZB-5msi Column diameter: 0.25

32 2-Methylnaphthalene Concentration: 0.4307 ug/mL



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Date : 06-JAN-2023 23:03

Client ID:

Instrument: nt14.i

Sample Info: SLA0068-LCV2

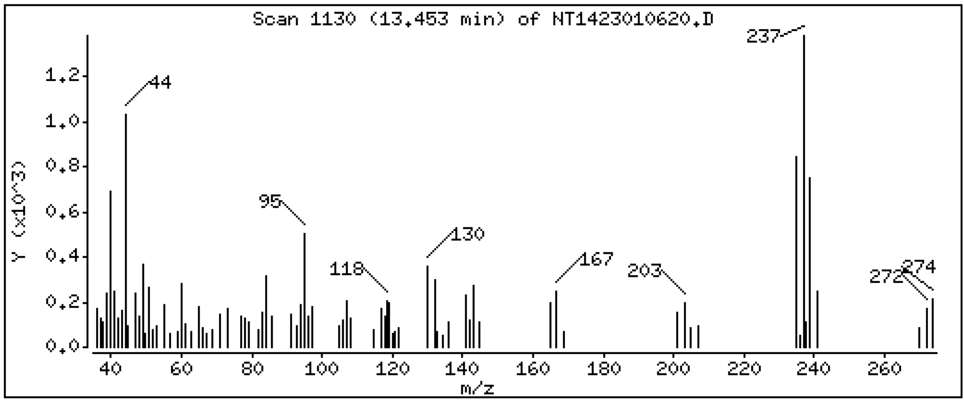
Operator: VTS

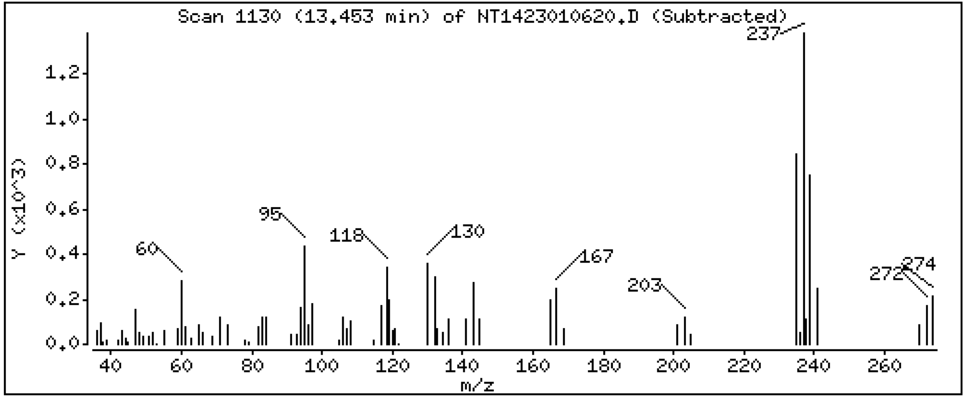
Column phase: ZB-5msi

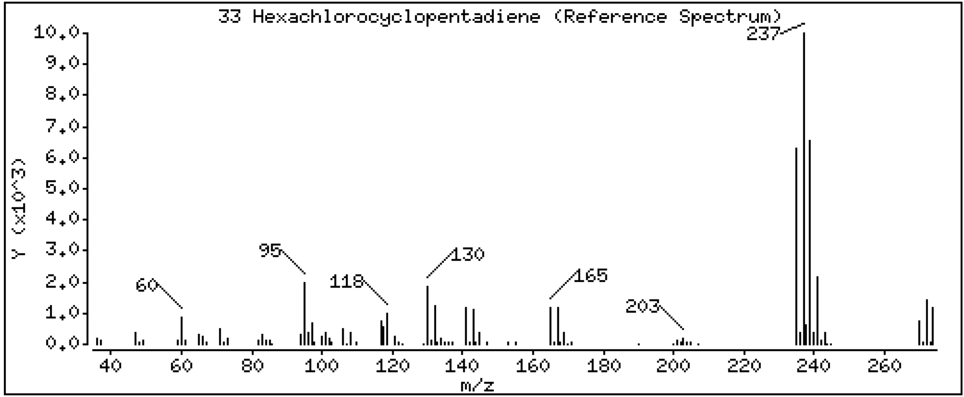
Column diameter: 0.25

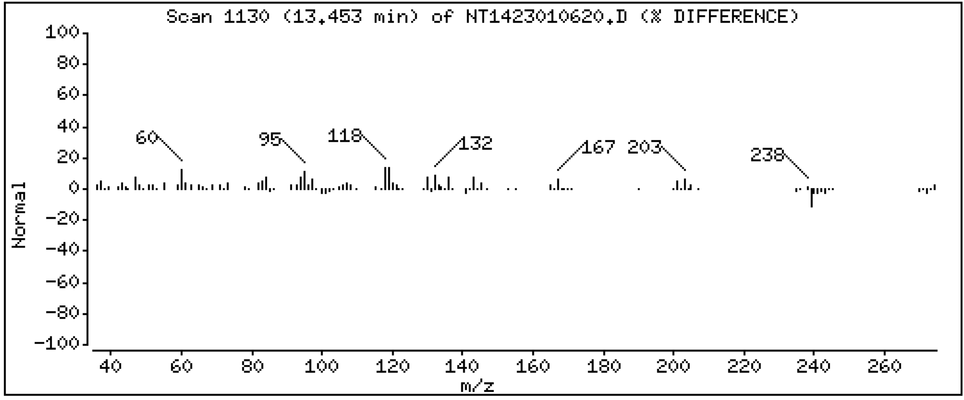
33 Hexachlorocyclopentadiene

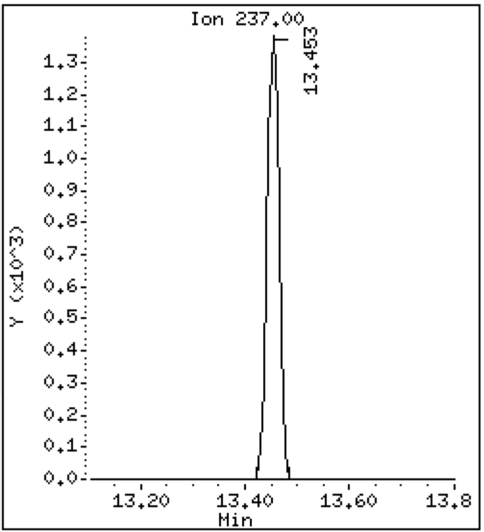
Concentration: 0.1043 ug/mL

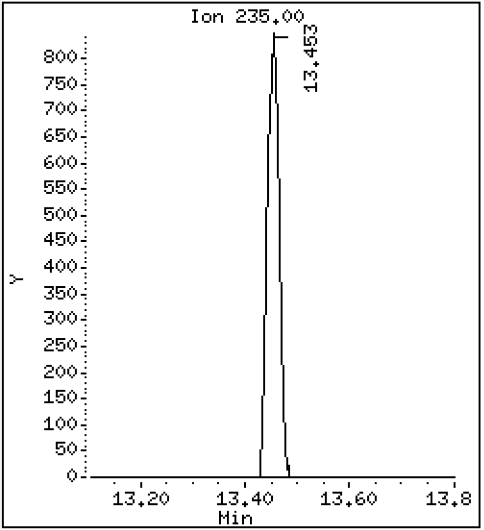

Scan 1130 (13.453 min) of NT1423010620.D

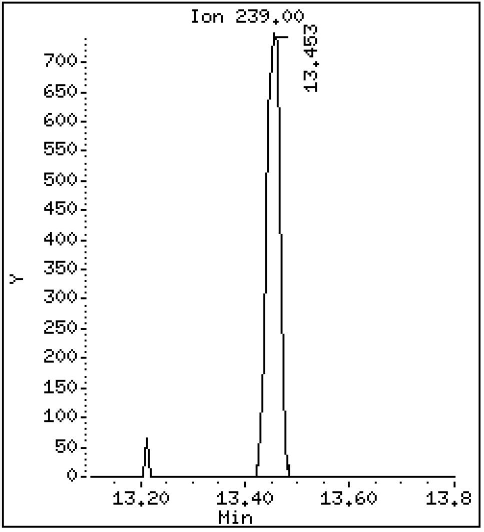

Scan 1130 (13.453 min) of NT1423010620.D (Subtracted)


33 Hexachlorocyclopentadiene (Reference Spectrum)


Scan 1130 (13.453 min) of NT1423010620.D (% DIFFERENCE)


Ion 237.00


Ion 235.00


Ion 239.00

Data File: \\target\share\chem3\nt14.i\20230106.b\NT1423010620.D

Date : 06-JAN-2023 23:03

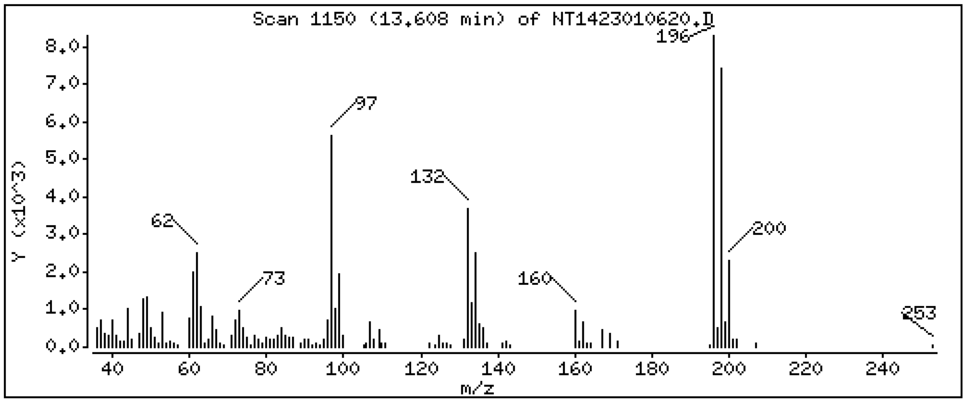
Client ID: Instrument: nt14.i

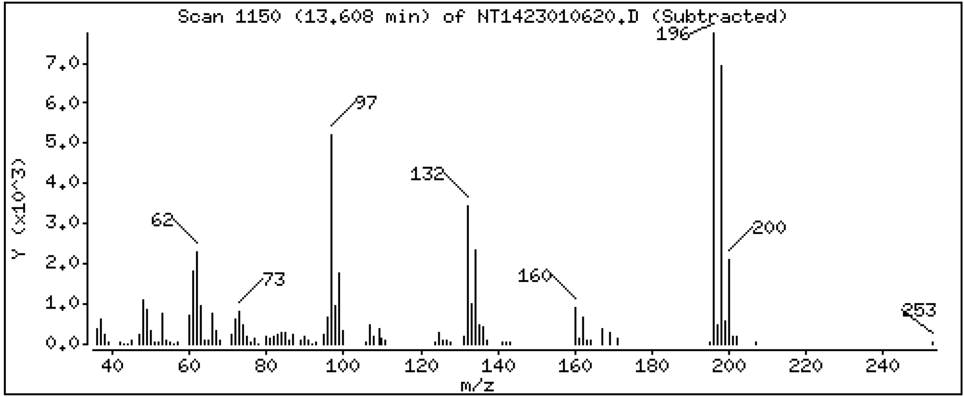
Sample Info: SLA0068-LCV2

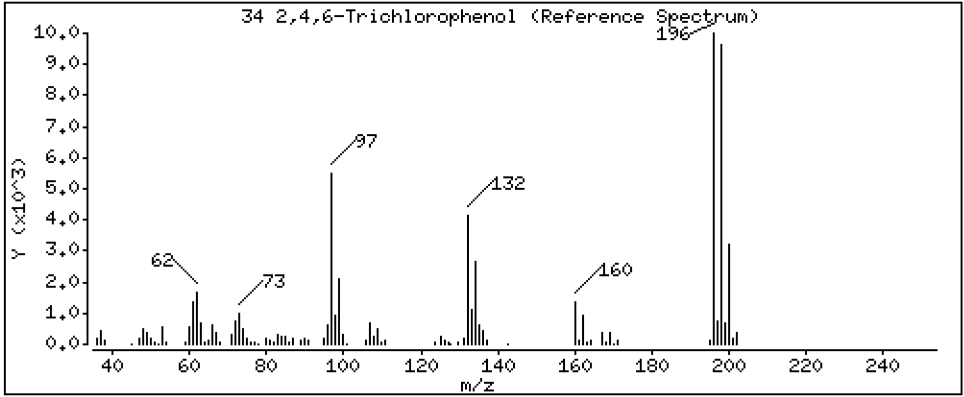
Operator: VTS

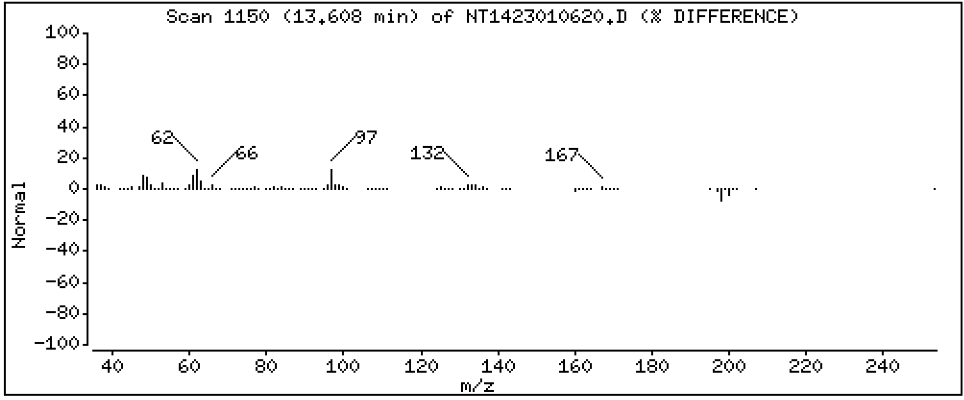
Column phase: ZB-5msi Column diameter: 0.25

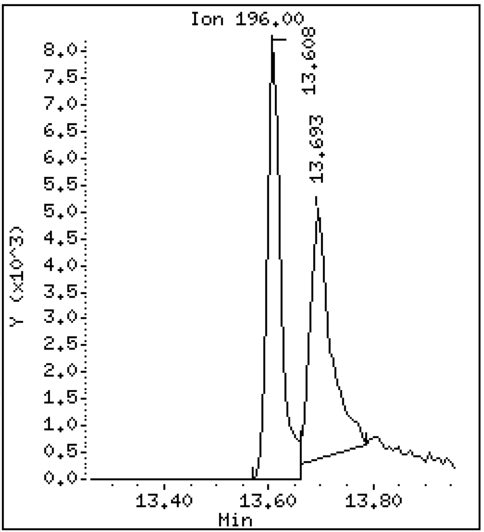
34 2,4,6-Trichlorophenol Concentration: 0.6356 ug/mL

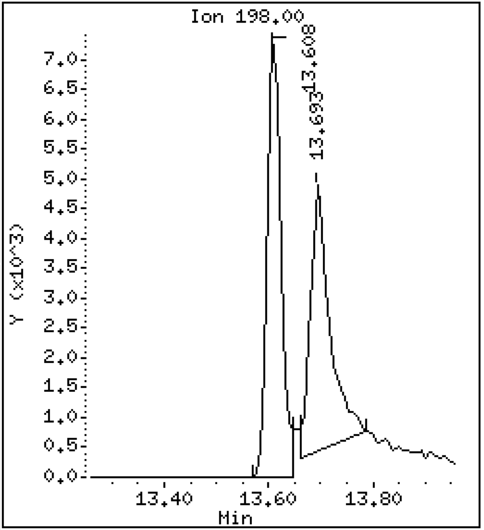

Scan 1150 (13.608 min) of NT1423010620.D

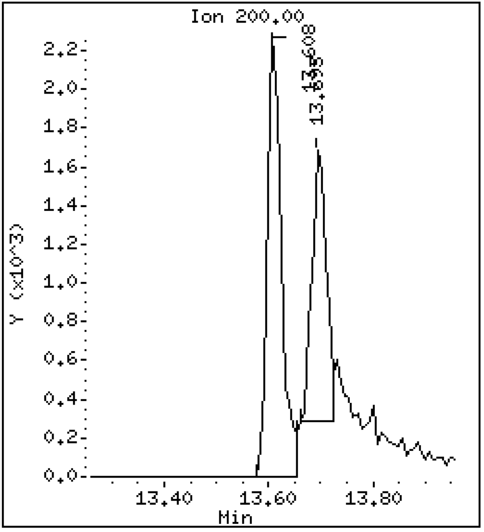

Scan 1150 (13.608 min) of NT1423010620.D (Subtracted)


34 2,4,6-Trichlorophenol (Reference Spectrum)


Scan 1150 (13.608 min) of NT1423010620.D (% DIFFERENCE)


Ion 196.00


Ion 198.00


Ion 200.00

Data File: \\target\share\chem3\nt14.i\20230106.b\NT1423010620.D

Date : 06-JAN-2023 23:03

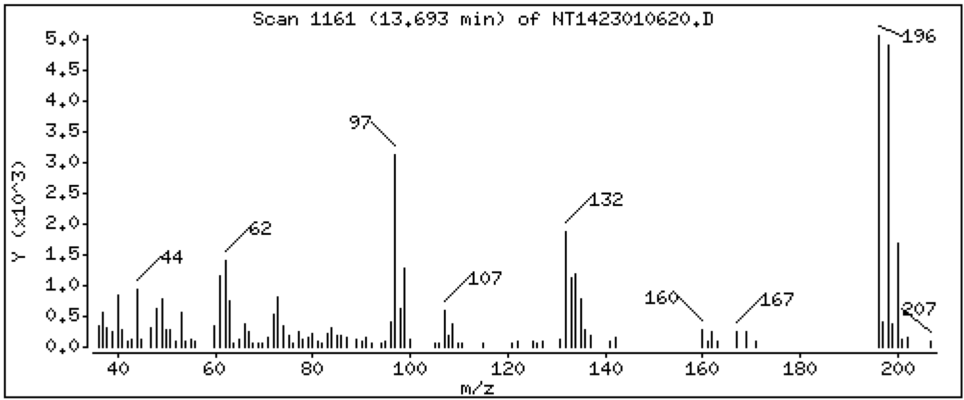
Client ID: Instrument: nt14.i

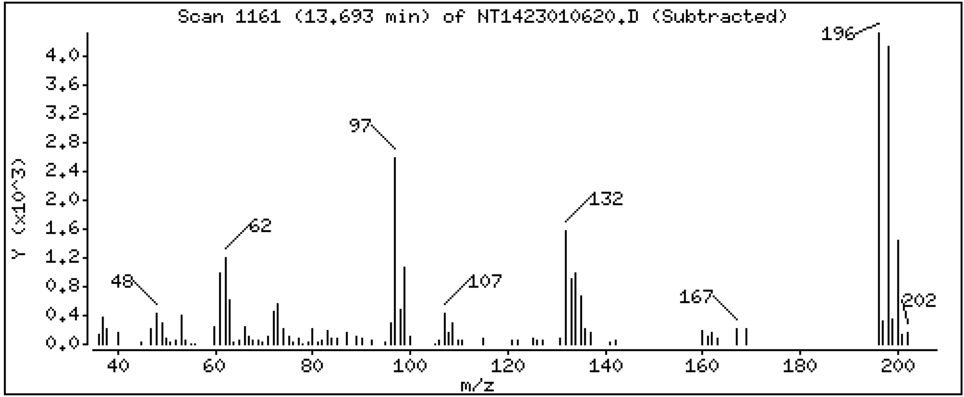
Sample Info: SLA0068-LCV2

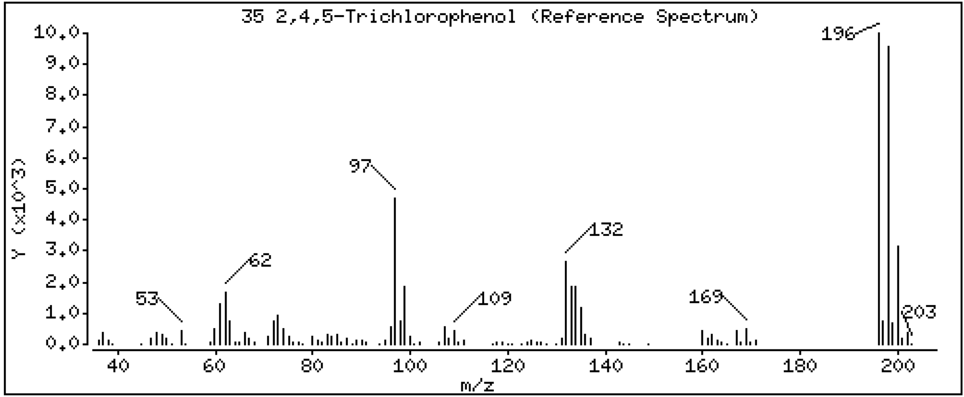
Operator: VTS

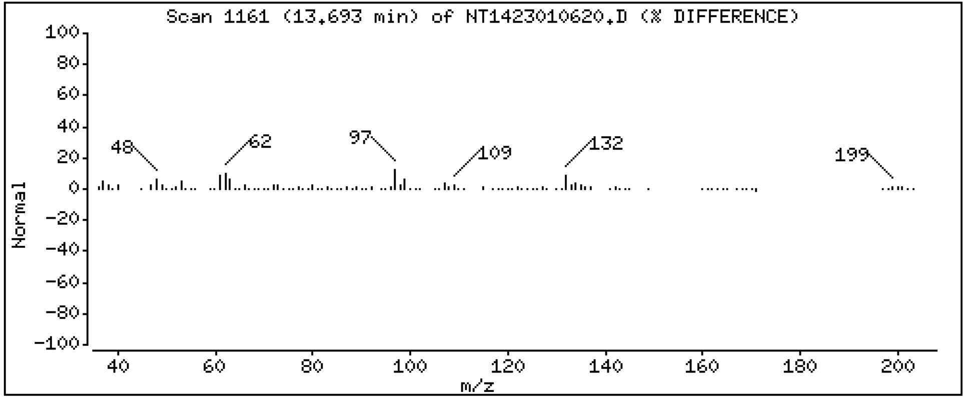
Column phase: ZB-5msi Column diameter: 0.25

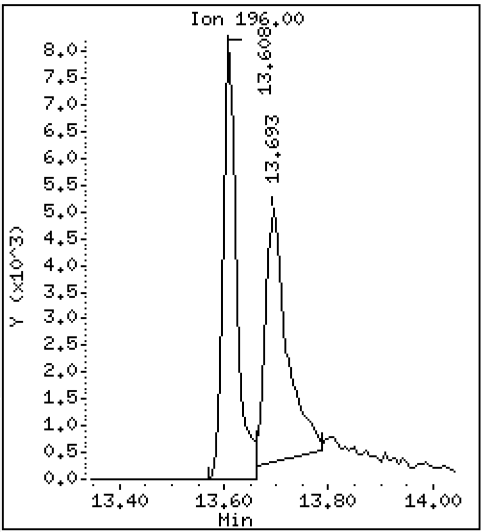
35 2,4,5-Trichlorophenol Concentration: 0.5236 ug/mL

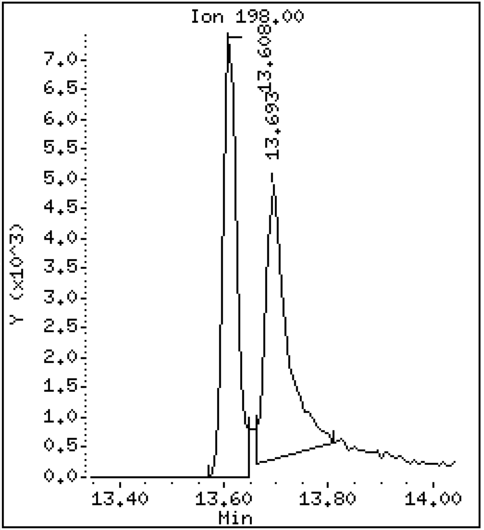


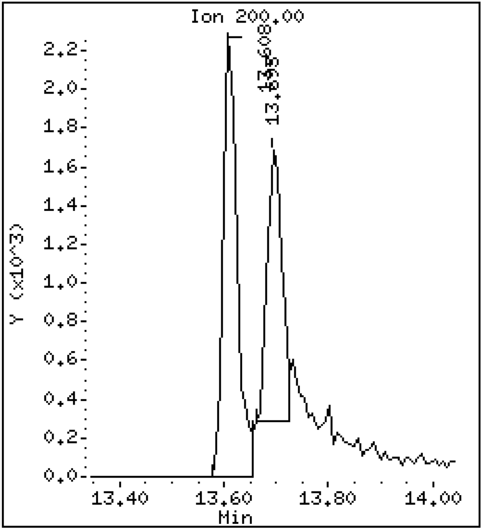












Data File: \\target\share\chem3\nt14.i\20230106.b\NT1423010620.D

Date : 06-JAN-2023 23:03

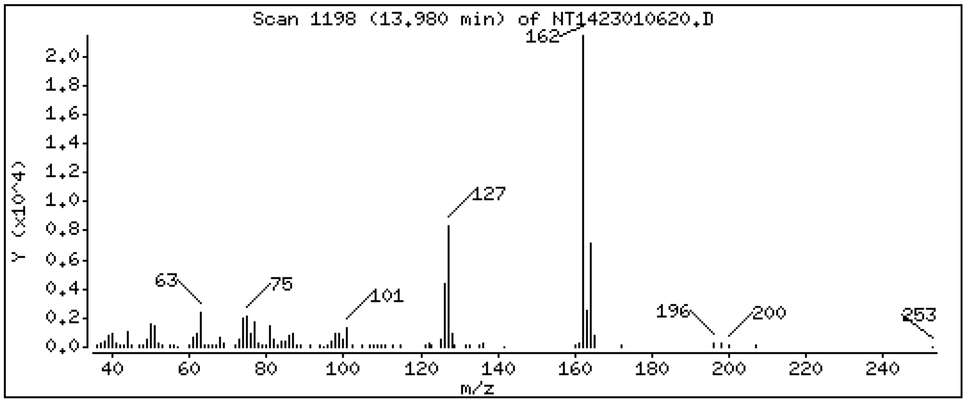
Client ID: Instrument: nt14.i

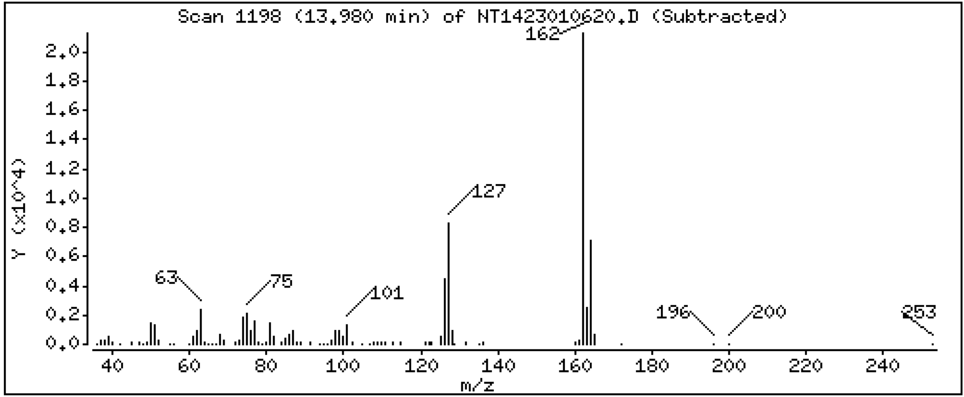
Sample Info: SLA0068-LCV2

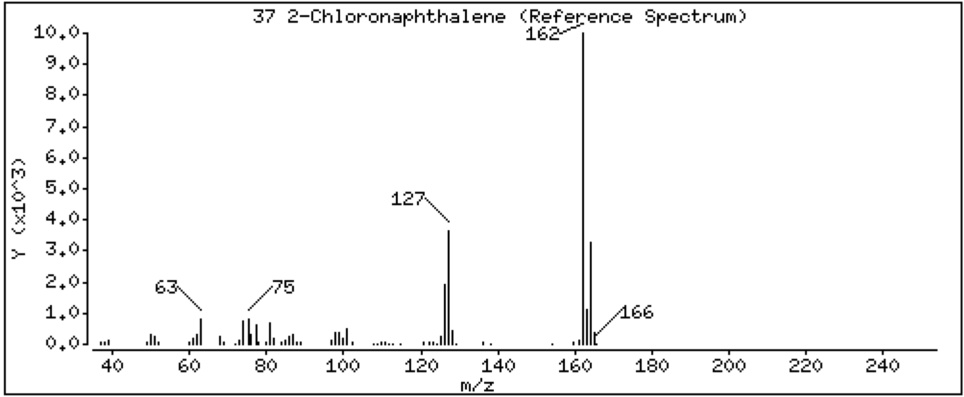
Operator: VTS

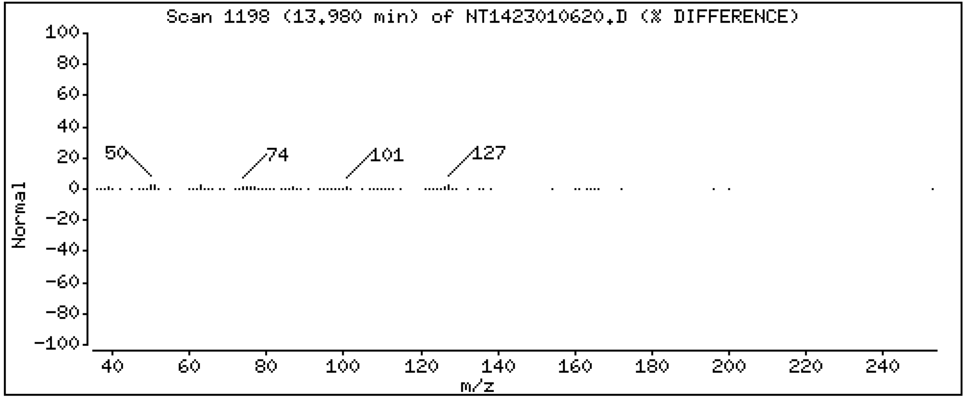
Column phase: ZB-5msi Column diameter: 0.25

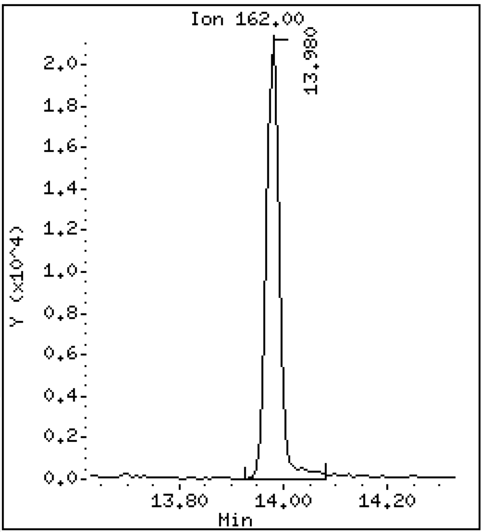
37 2-Chloronaphthalene Concentration: 0.4689 ug/mL

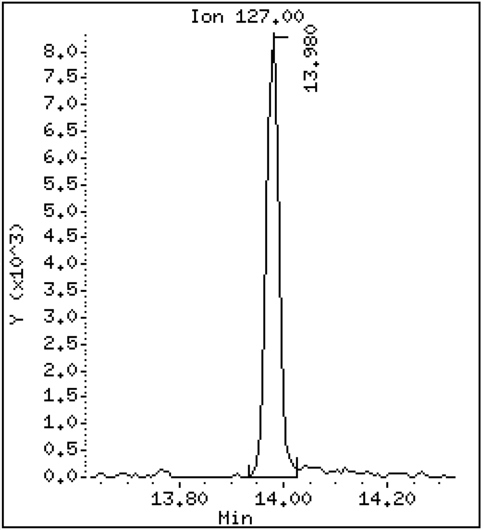

Scan 1198 (13.980 min) of NT1423010620.D

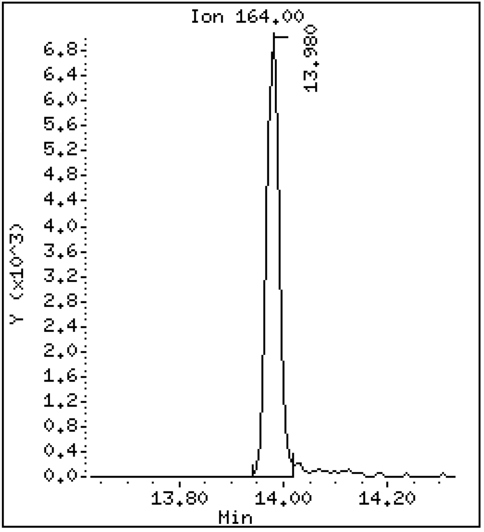

Scan 1198 (13.980 min) of NT1423010620.D (Subtracted)


37 2-Chloronaphthalene (Reference Spectrum)


Scan 1198 (13.980 min) of NT1423010620.D (% DIFFERENCE)


Ion 162.00


Ion 127.00


Ion 164.00

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Date : 06-JAN-2023 23:03

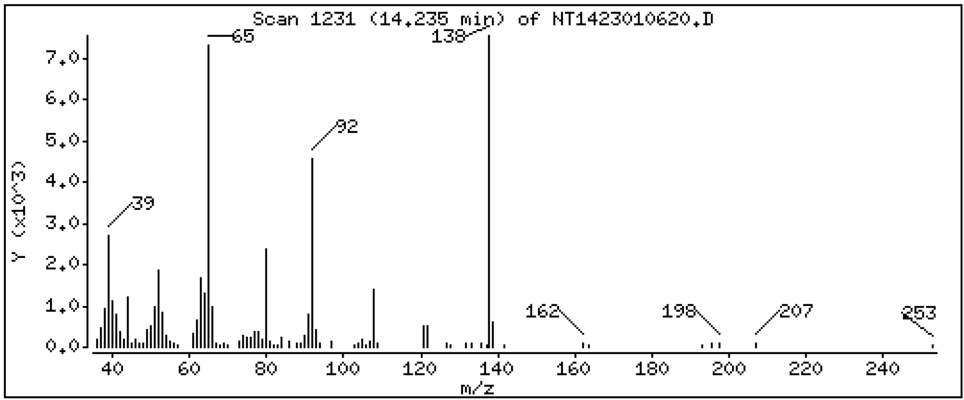
Client ID: Instrument: nt14.i

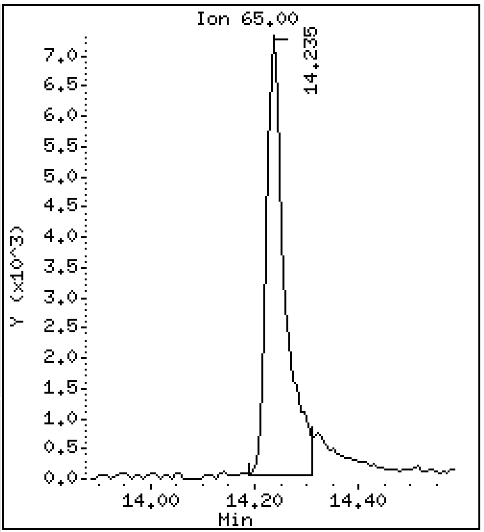
Sample Info: SLA0068-LCV2

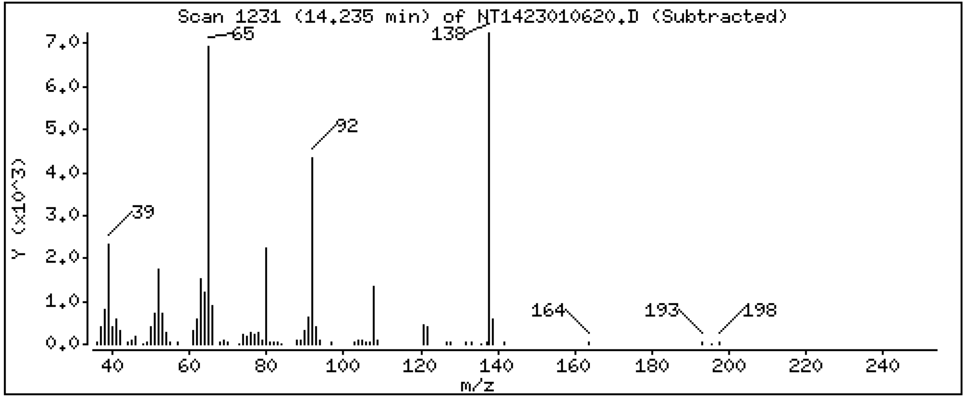
Operator: VTS

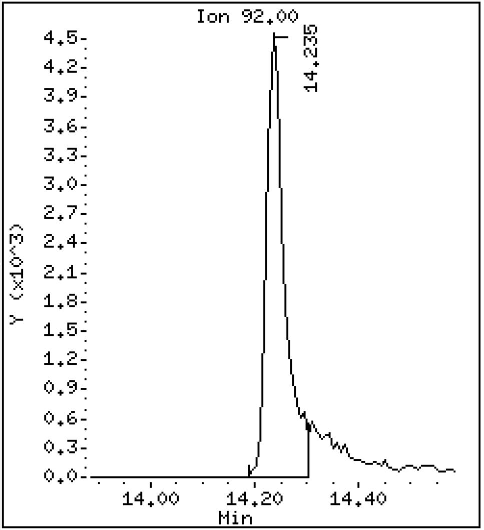
Column phase: ZB-5msi Column diameter: 0.25

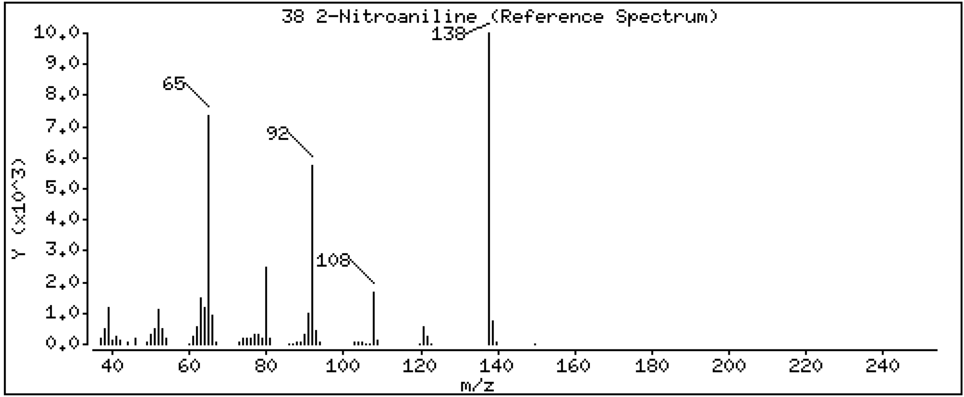
38 2-Nitroaniline Concentration: 0.8760 ug/mL

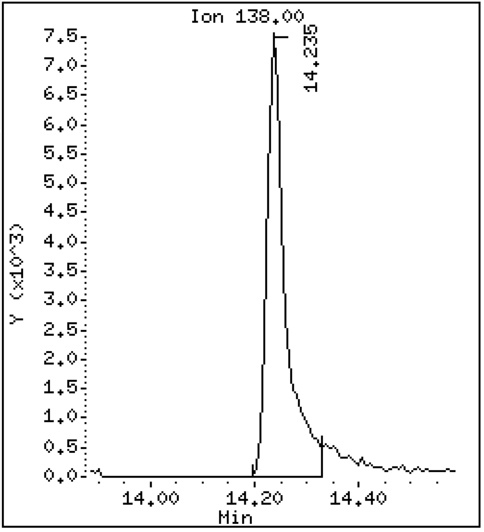


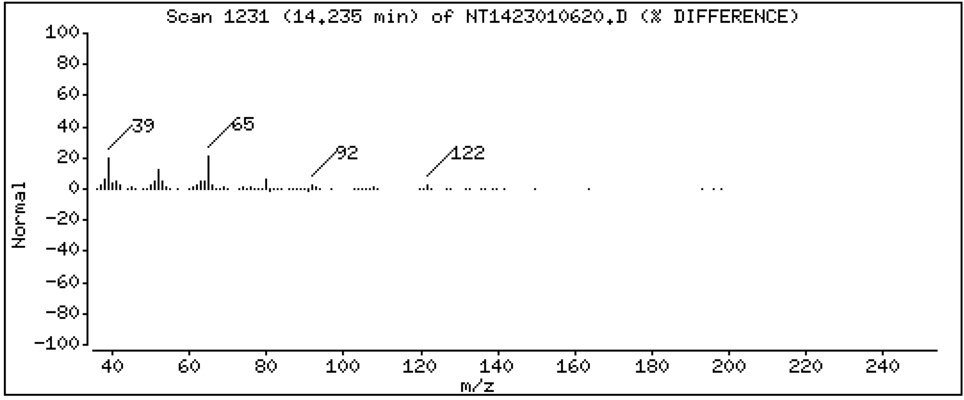












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Date : 06-JAN-2023 23:03

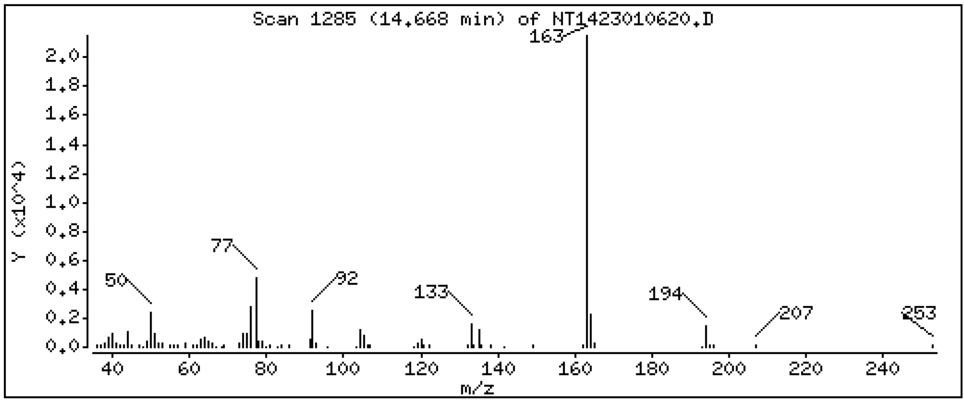
Client ID: Instrument: nt14.i

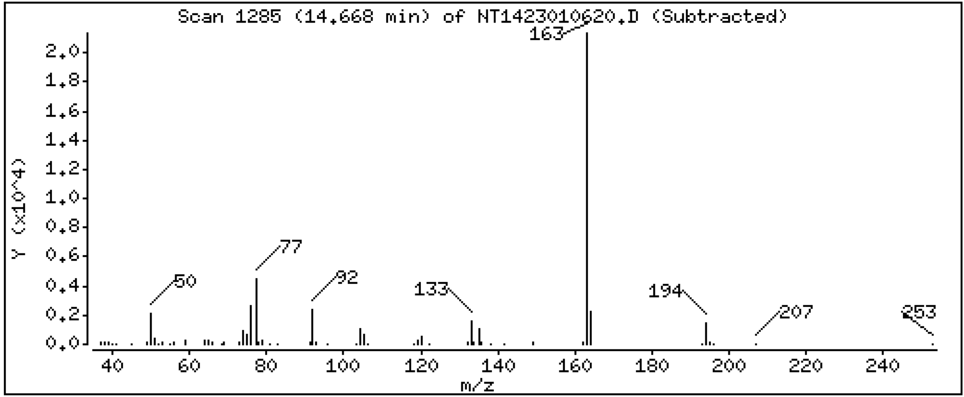
Sample Info: SLA0068-LCV2

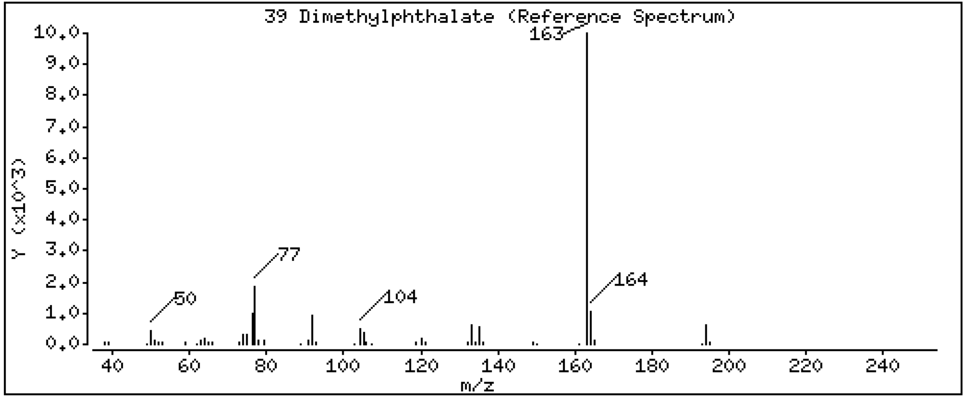
Operator: VTS

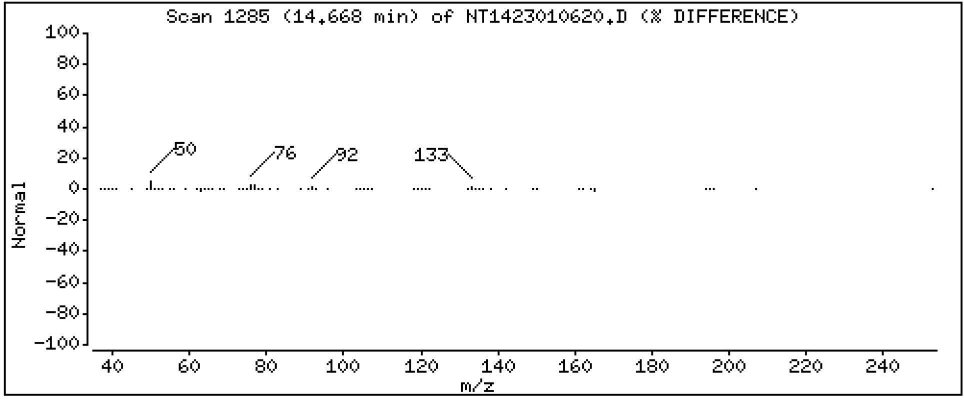
Column phase: ZB-5msi Column diameter: 0.25

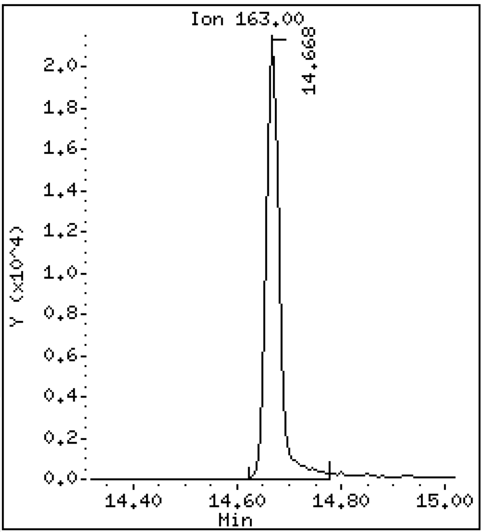
39 Dimethylphthalate Concentration: 0.4849 ug/mL

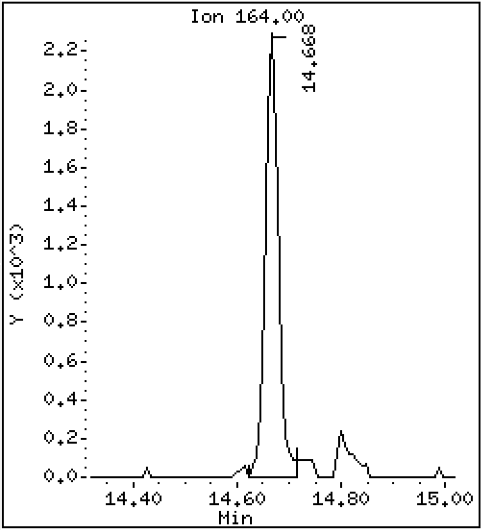


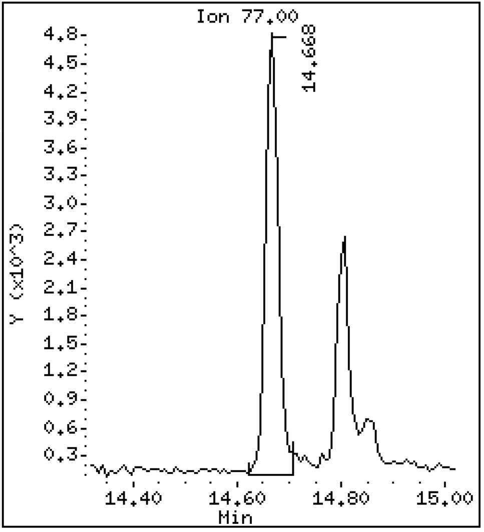












Data File: \\target\share\chem3\nt14.i\20230106.b\NT1423010620.D

Date : 06-JAN-2023 23:03

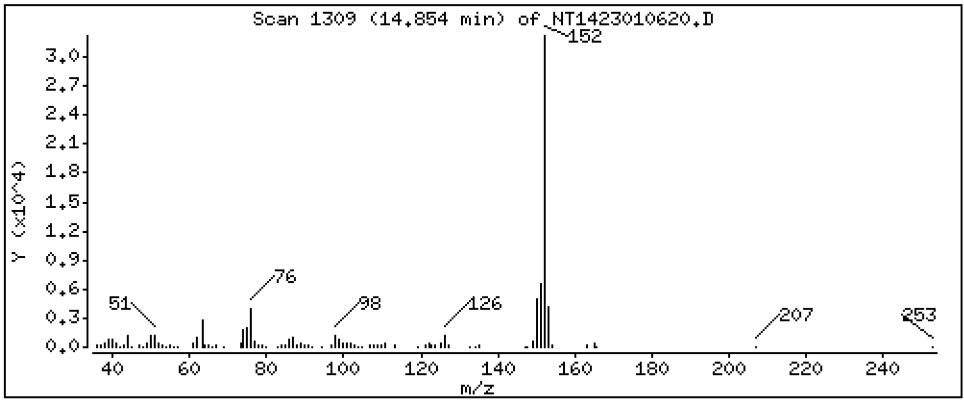
Client ID: Instrument: nt14.i

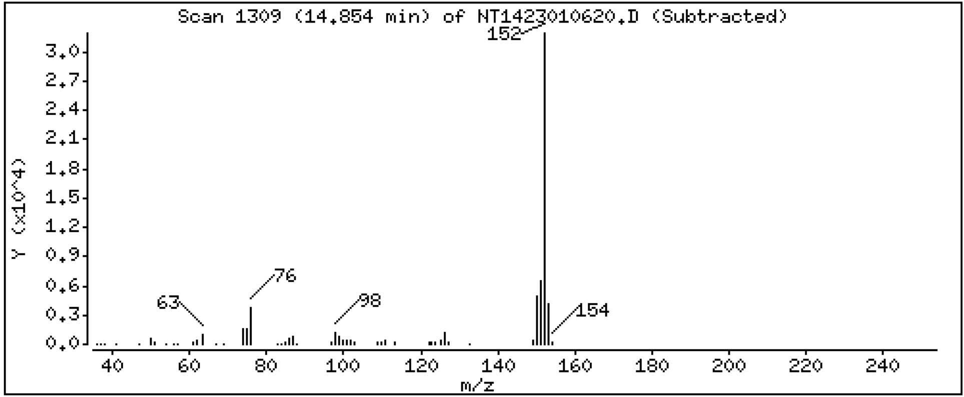
Sample Info: SLA0068-LCV2

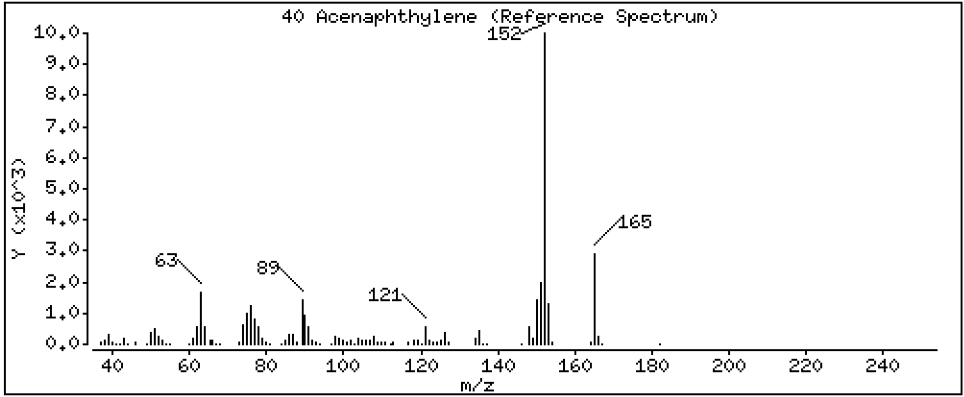
Operator: VTS

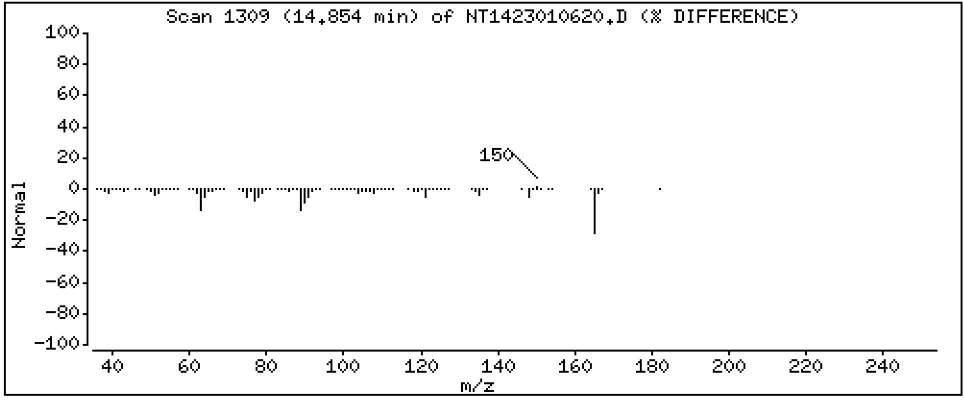
Column phase: ZB-5msi Column diameter: 0.25

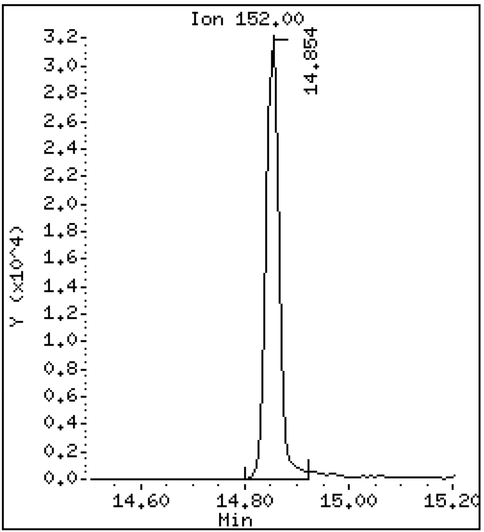
40 Acenaphthylene Concentration: 0.4583 ug/mL

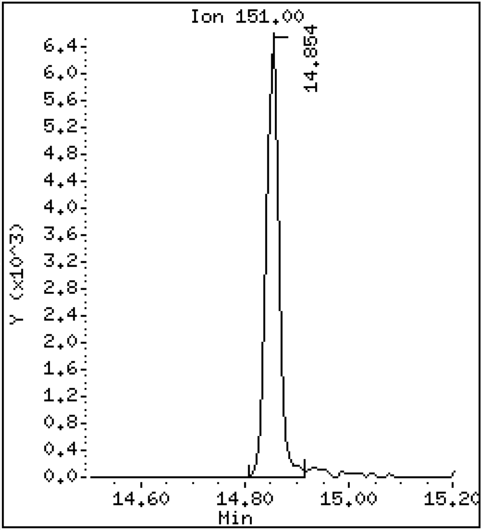

Scan 1309 (14.854 min) of NT1423010620.D

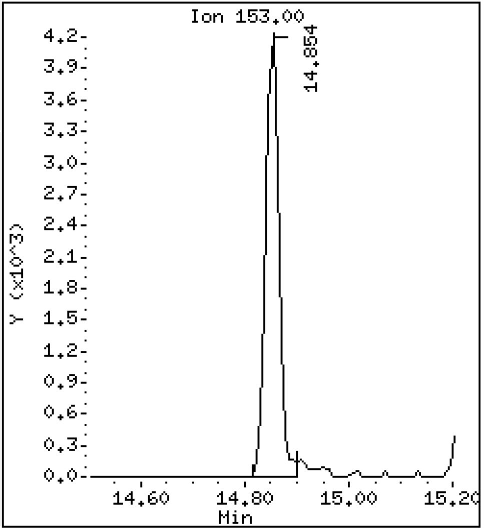

Scan 1309 (14.854 min) of NT1423010620.D (Subtracted)


40 Acenaphthylene (Reference Spectrum)


Scan 1309 (14.854 min) of NT1423010620.D (% DIFFERENCE)


Ion 152.00


Ion 151.00


Ion 153.00

Data File: \\target\share\chem3\nt14.i\20230106.b\NT1423010620.D

Date : 06-JAN-2023 23:03

Client ID:

Instrument: nt14.i

Sample Info: SLA0068-LCV2

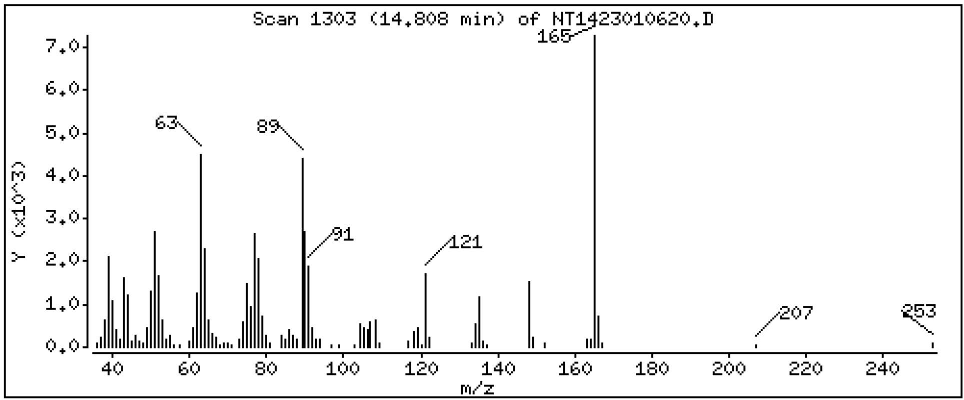
Operator: VTS

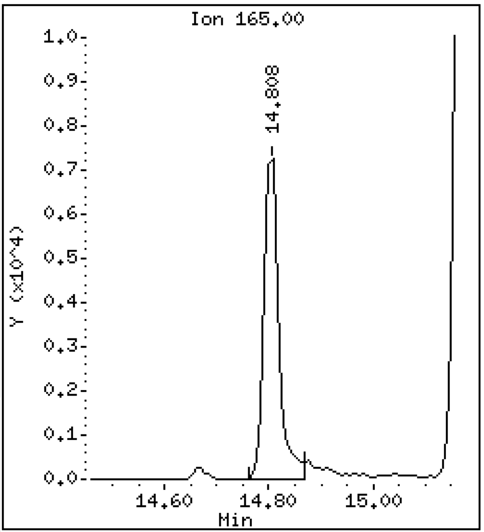
Column phase: ZB-5msi

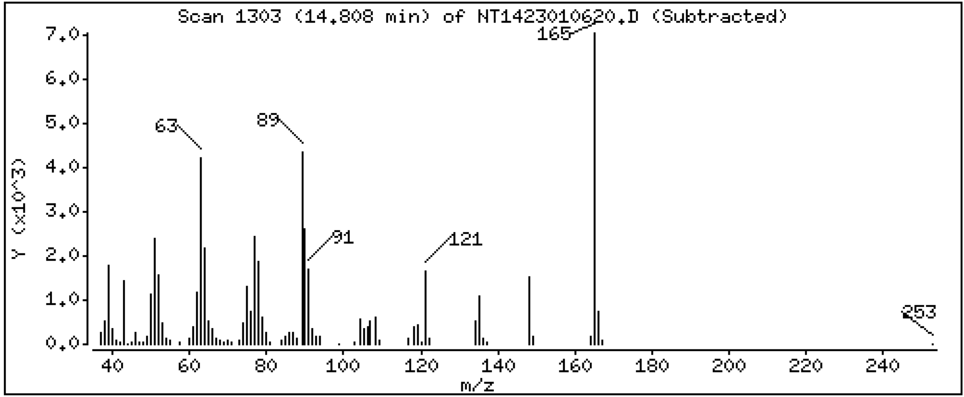
Column diameter: 0.25

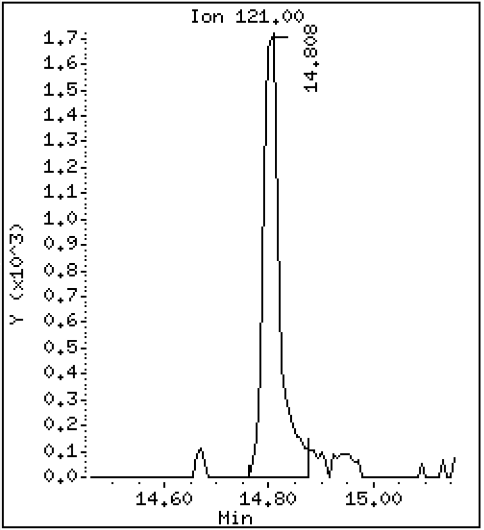
41 2,6-Dinitrotoluene

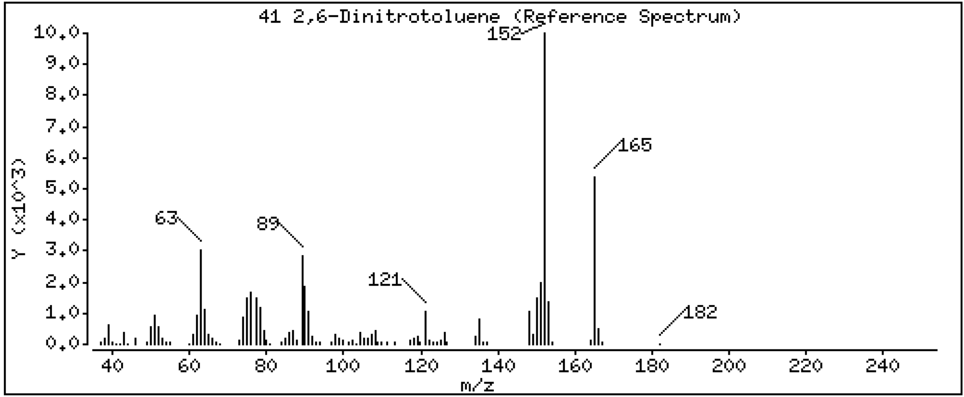
Concentration: 0.8294 ug/mL

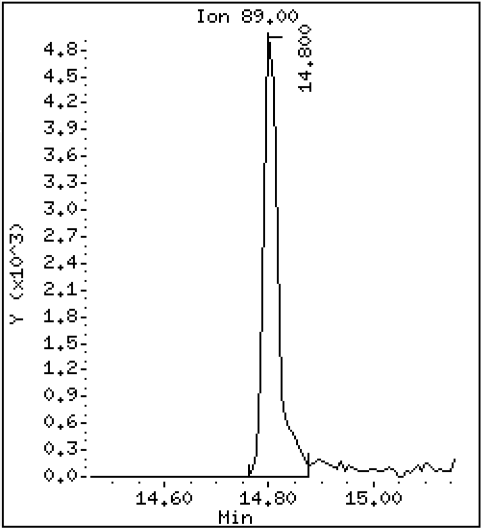


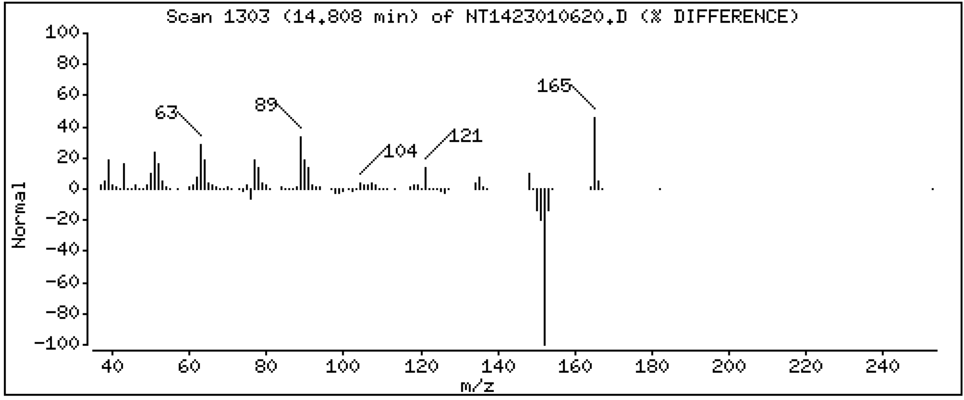












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Date : 06-JAN-2023 23:03

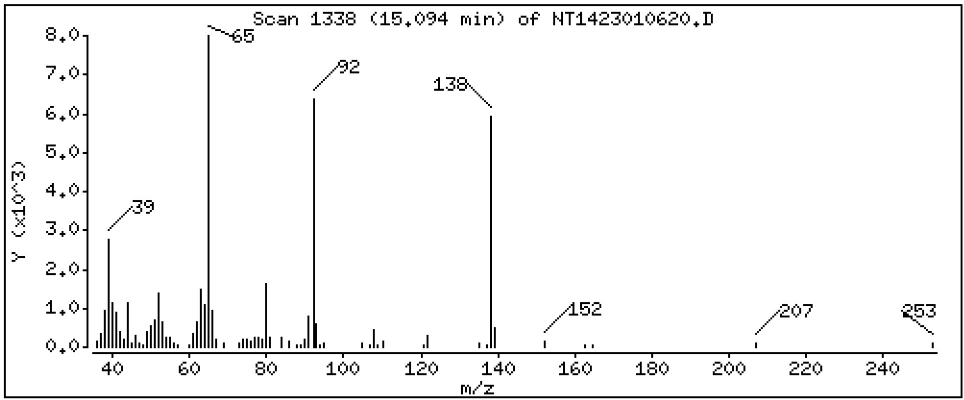
Client ID: Instrument: nt14.i

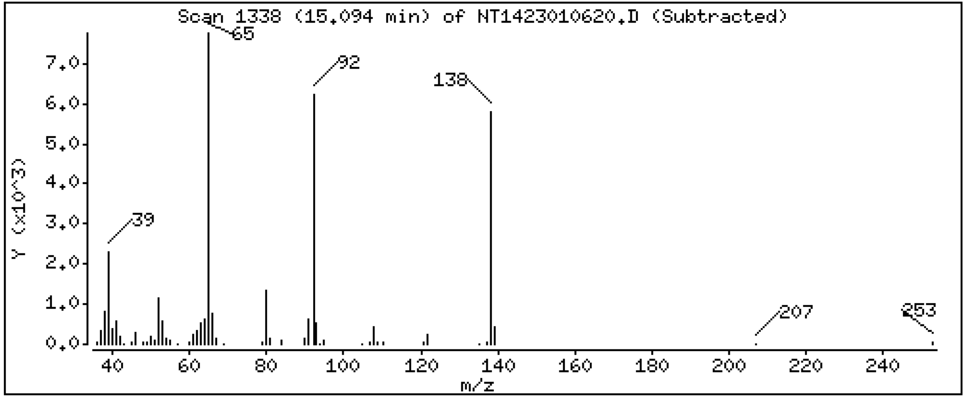
Sample Info: SLA0068-LCV2

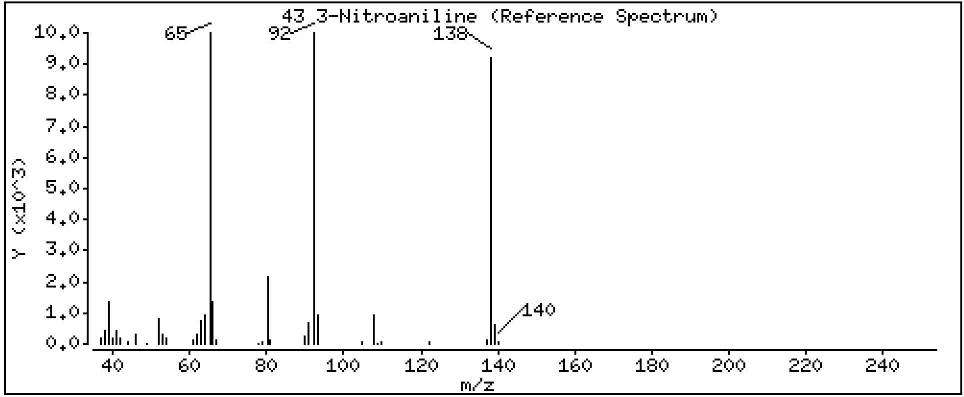
Operator: VTS

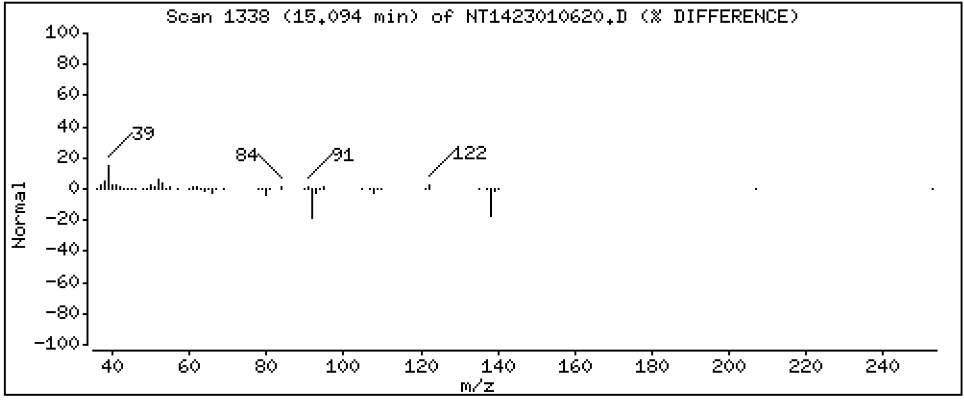
Column phase: ZB-5msi Column diameter: 0.25

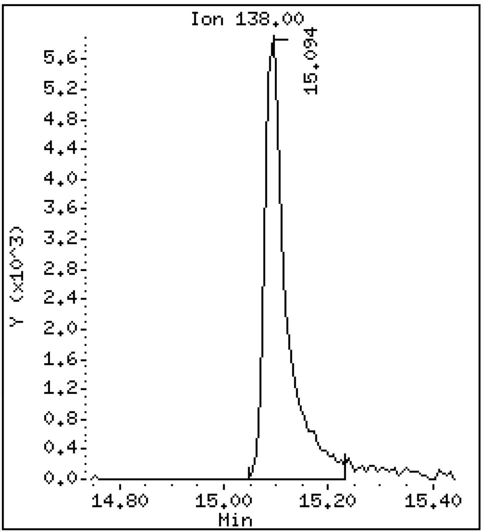
43 3-Nitroaniline Concentration: 0.8182 ug/mL

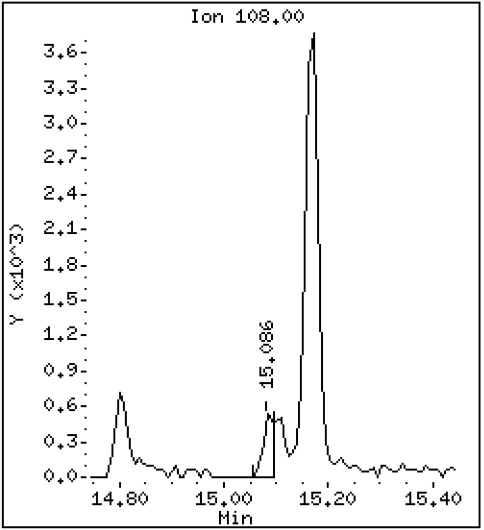

Scan 1338 (15.094 min) of NT1423010620.D

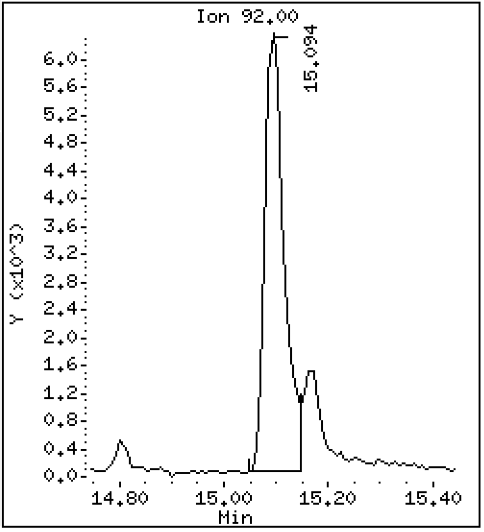

Scan 1338 (15.094 min) of NT1423010620.D (Subtracted)


43 3-Nitroaniline (Reference Spectrum)


Scan 1338 (15.094 min) of NT1423010620.D (% DIFFERENCE)


Ion 138.00


Ion 108.00


Ion 92.00

Data File: \\target\share\chem3\nt14.i\20230106.b\NT1423010620.D

Date : 06-JAN-2023 23:03

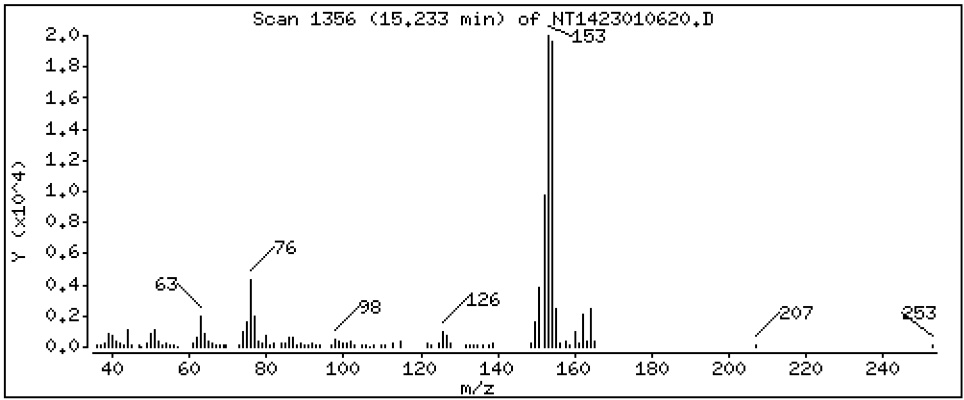
Client ID: Instrument: nt14.i

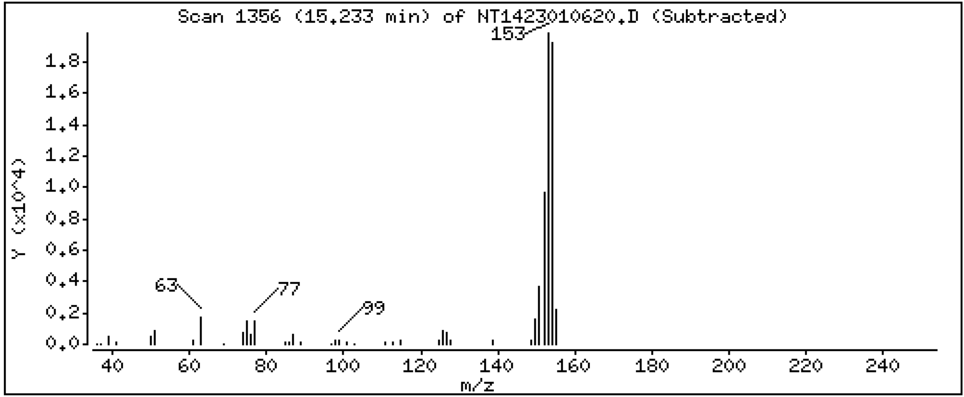
Sample Info: SLA0068-LCV2

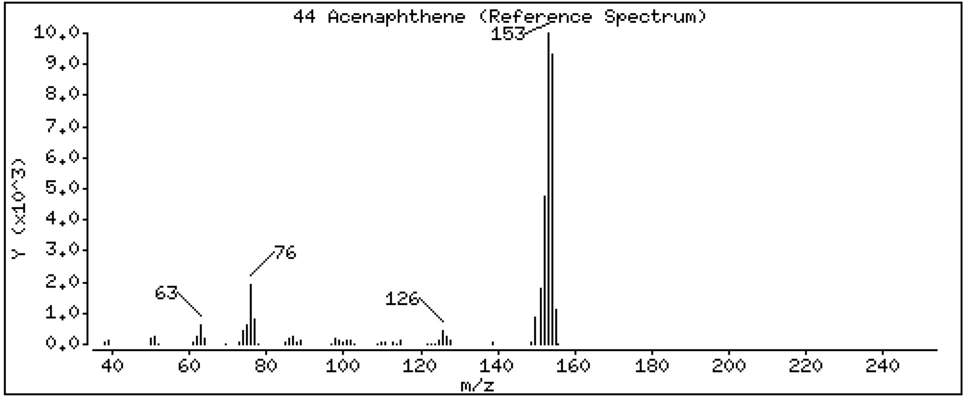
Operator: VTS

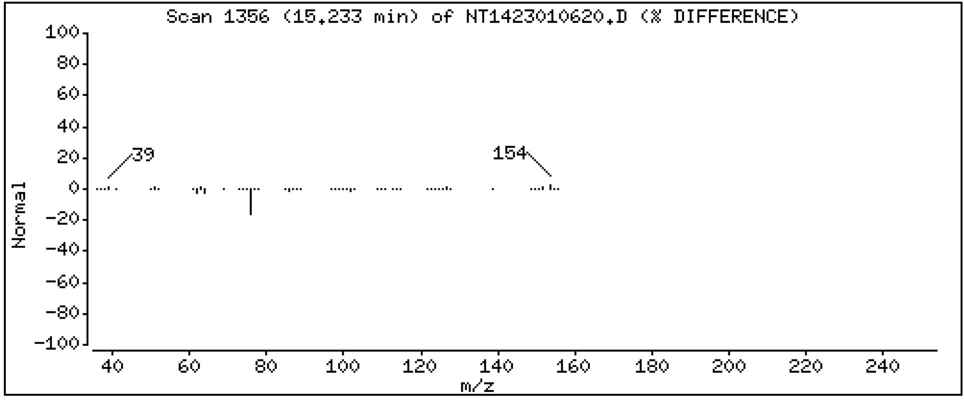
Column phase: ZB-5msi Column diameter: 0.25

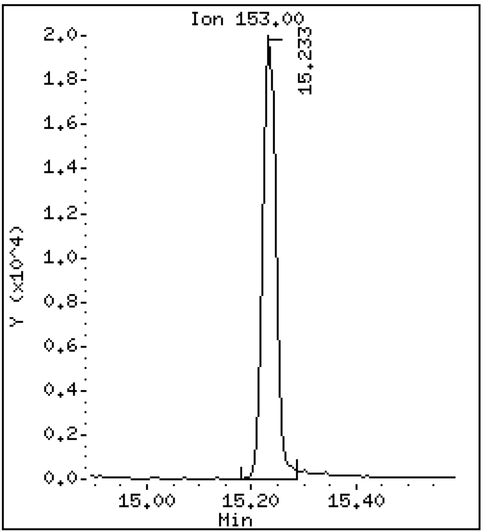
44 Acenaphthene Concentration: 0.4660 ug/mL

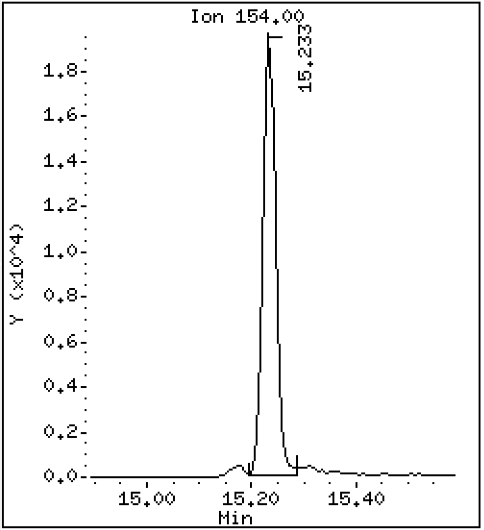


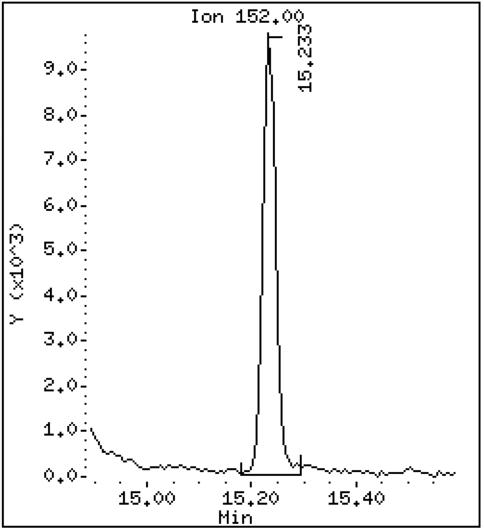












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Date : 06-JAN-2023 23:03

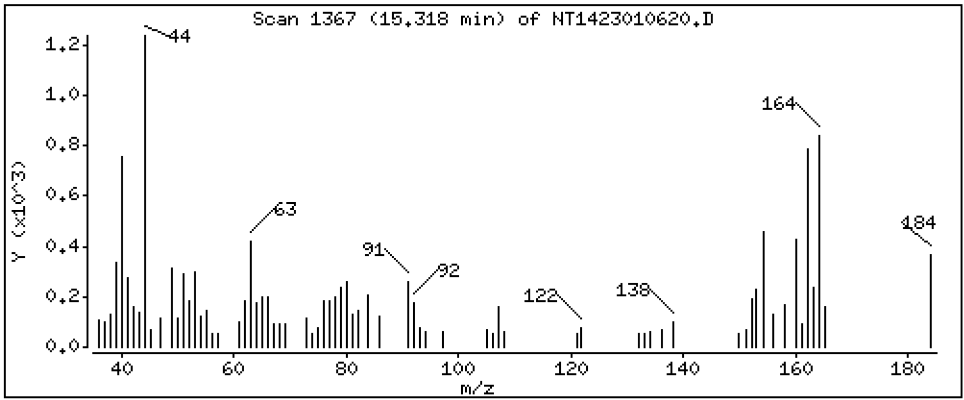
Client ID: Instrument: nt14.i

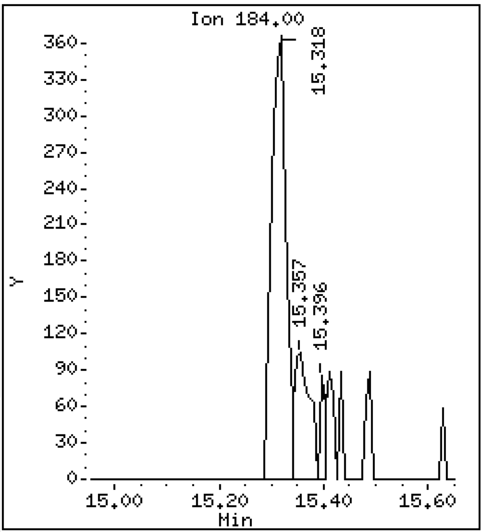
Sample Info: SLA0068-LCV2

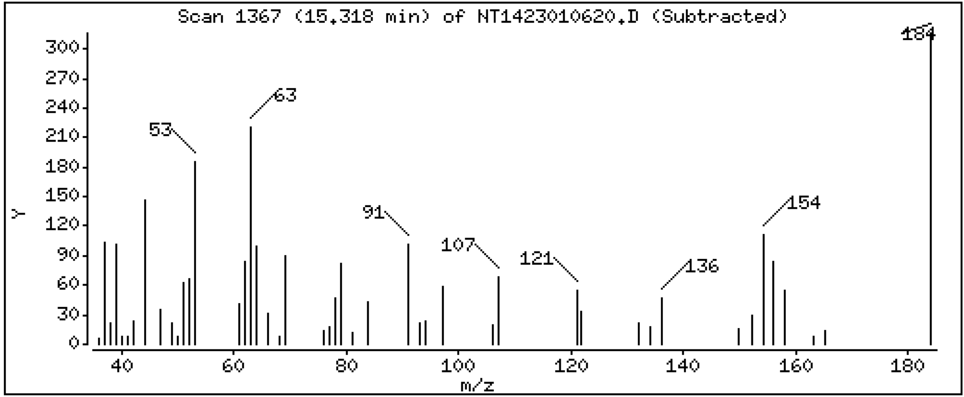
Operator: VTS

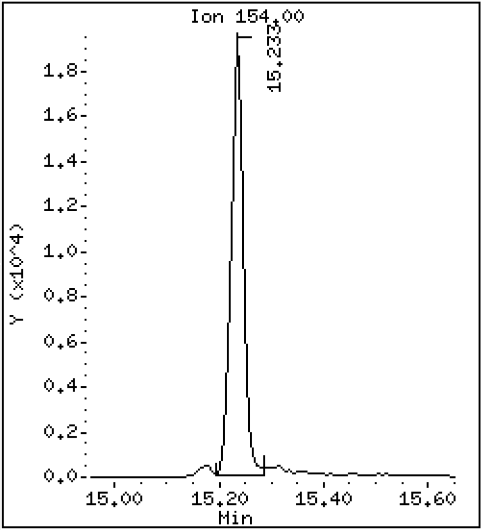
Column phase: ZB-5msi Column diameter: 0.25

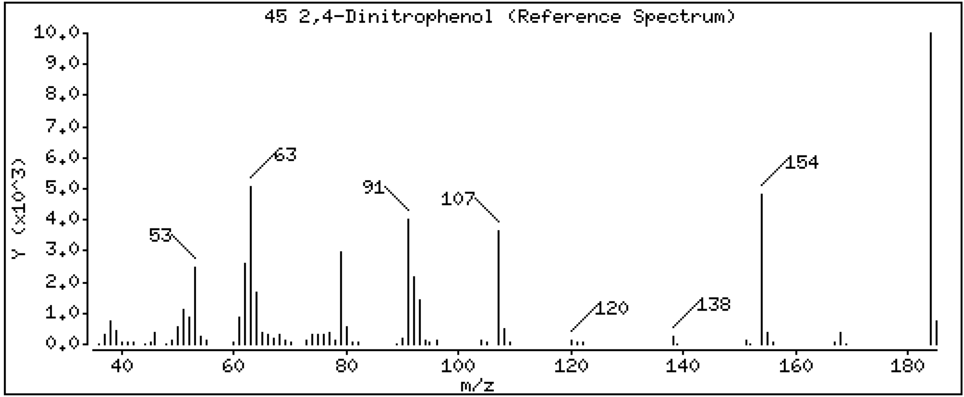
45 2,4-Dinitrophenol Concentration: 0.04962 ug/mL

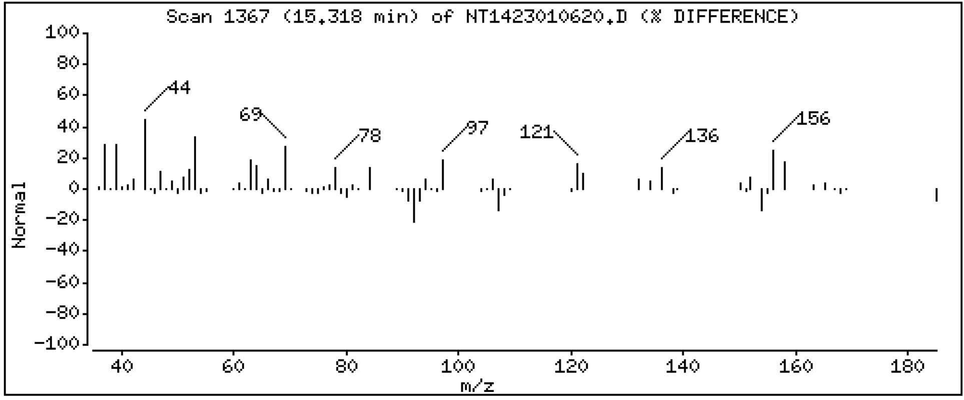


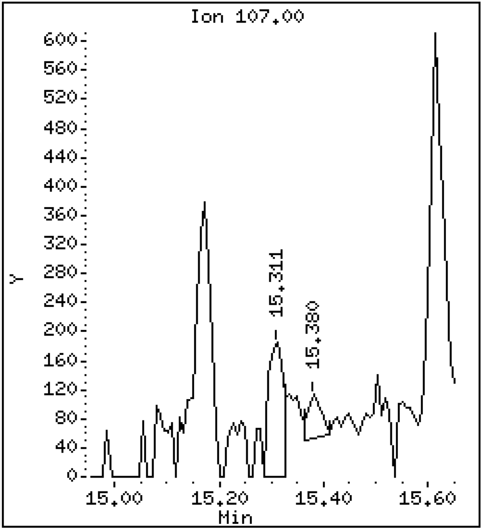












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Date : 06-JAN-2023 23:03

Client ID:

Instrument: nt14.i

Sample Info: SLA0068-LCV2

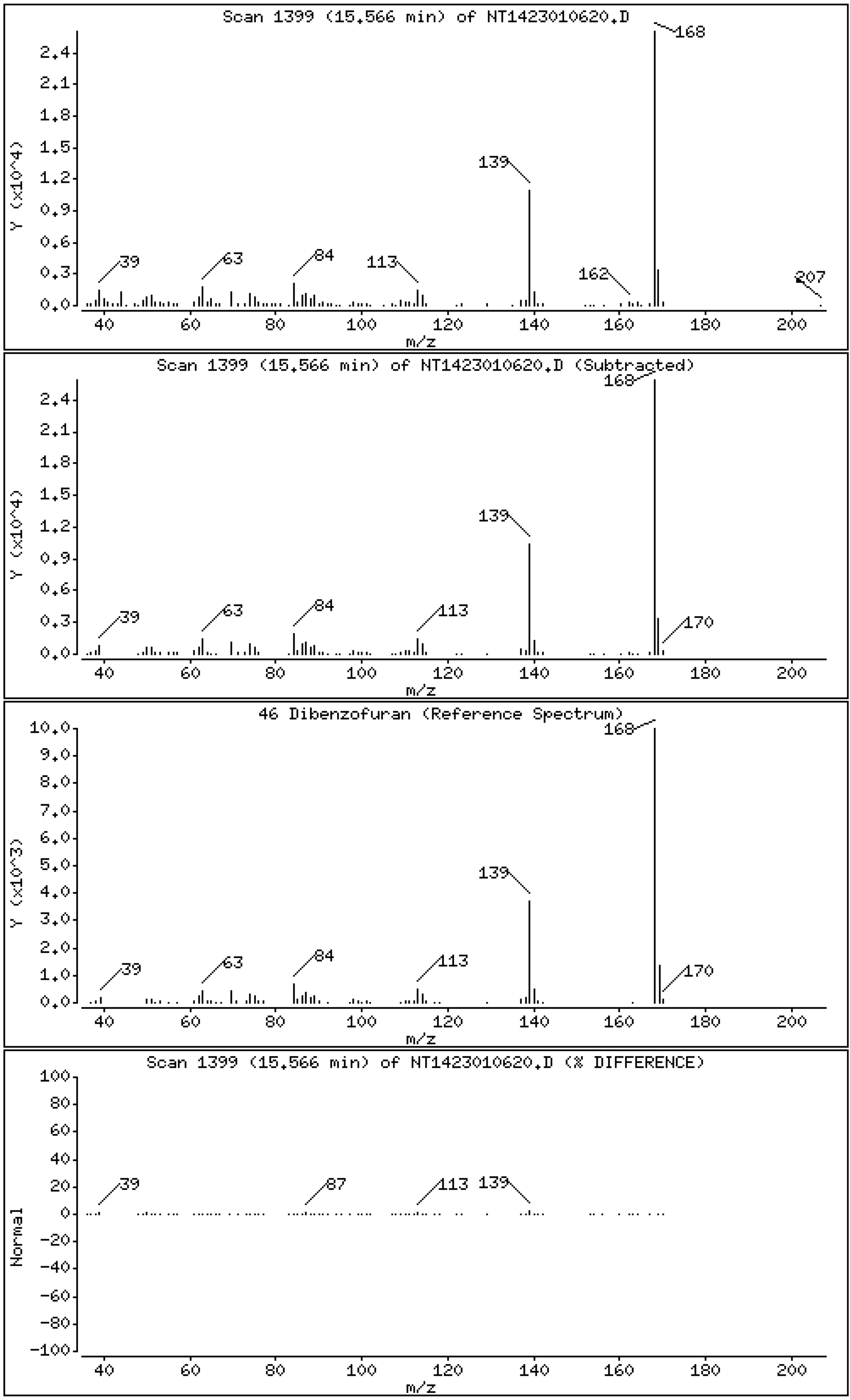
Operator: VTS

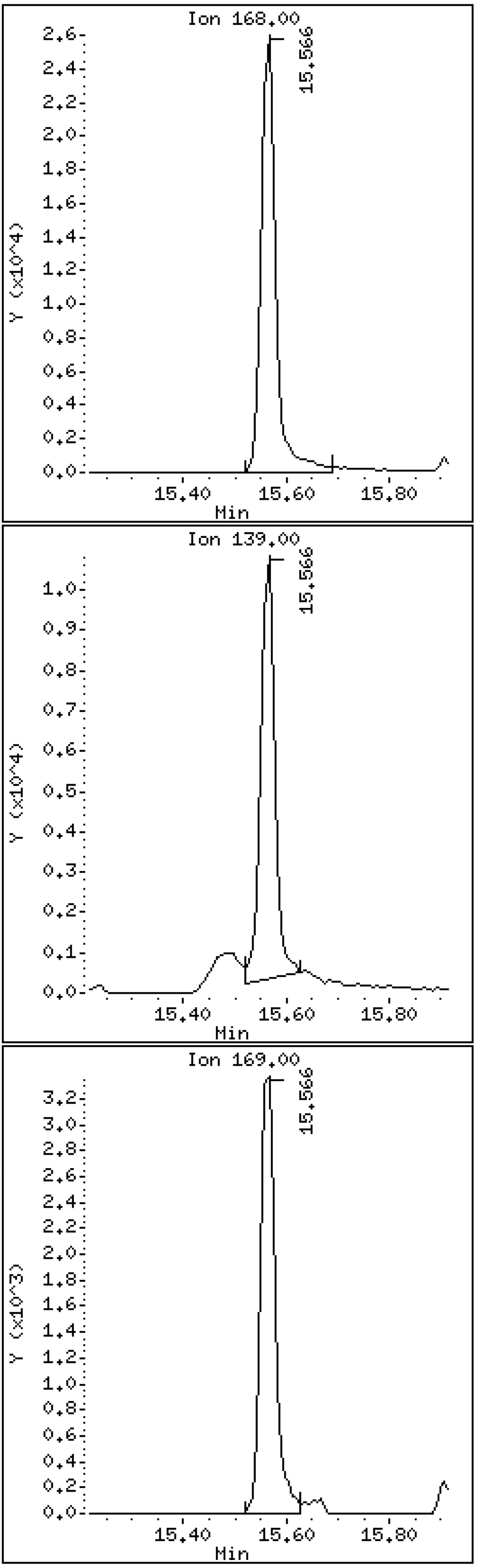
Column phase: ZB-5msi

Column diameter: 0.25

46 Dibenzofuran

Concentration: 0.4526 ug/mL





Data File: \\target\share\chem3\nt14.i\20230106.b\NT1423010620.D

Date : 06-JAN-2023 23:03

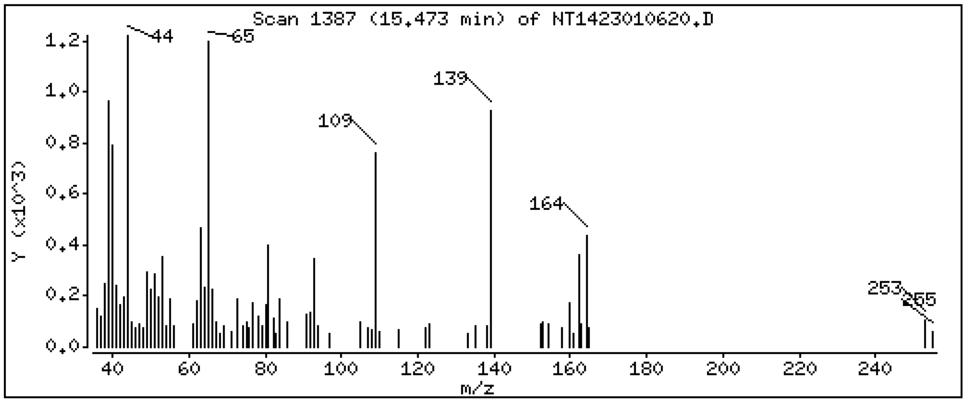
Client ID: Instrument: nt14.i

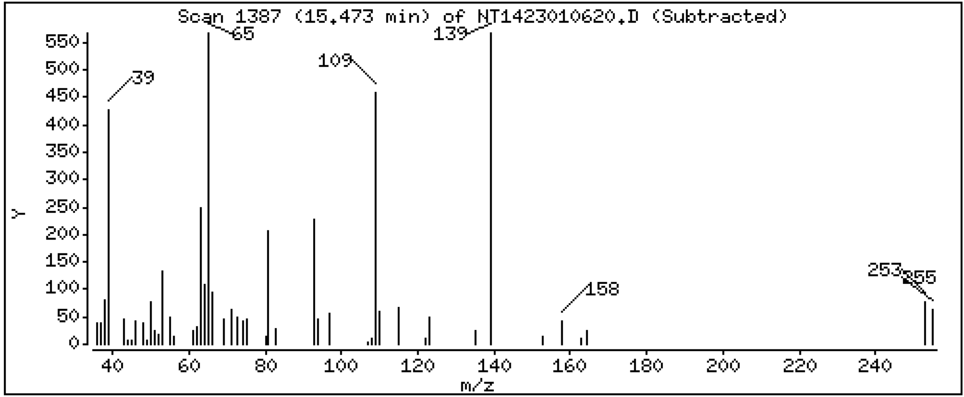
Sample Info: SLA0068-LCV2

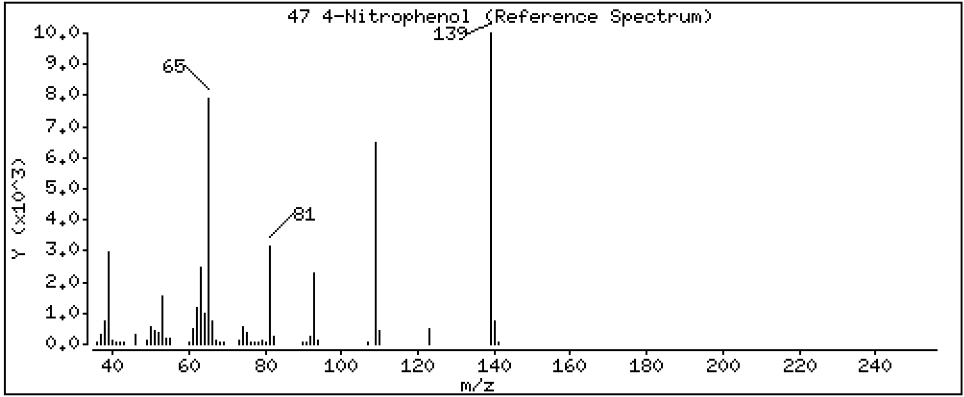
Operator: VTS

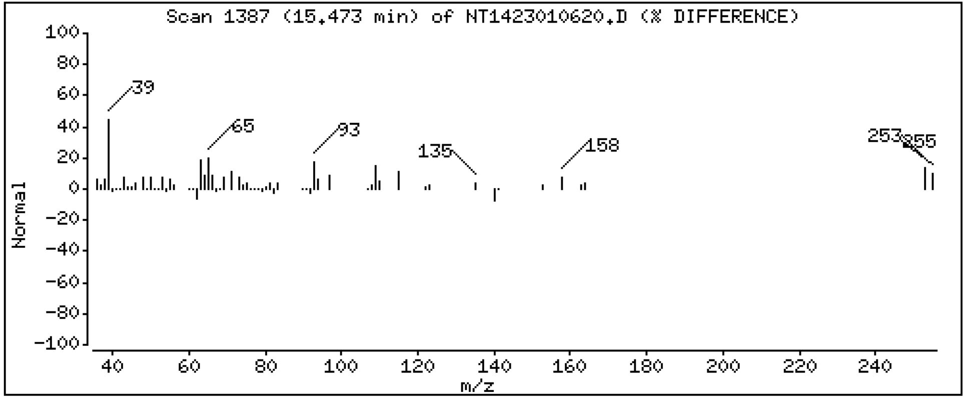
Column phase: ZB-5msi Column diameter: 0.25

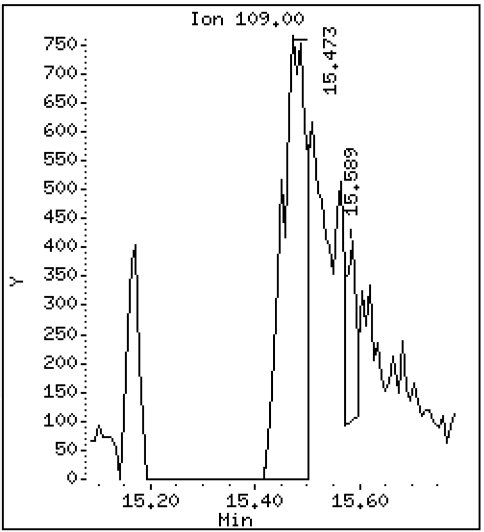
47 4-Nitrophenol Concentration: 0.2594 ug/mL

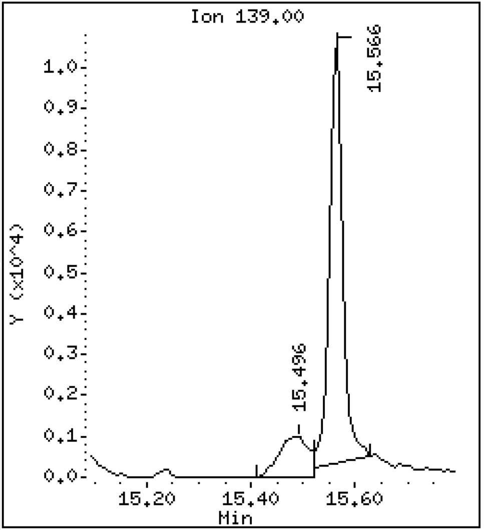


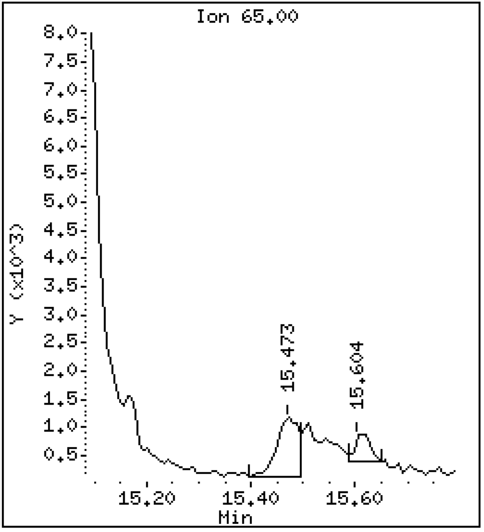












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Date : 06-JAN-2023 23:03

Client ID:

Instrument: nt14.i

Sample Info: SLA0068-LCV2

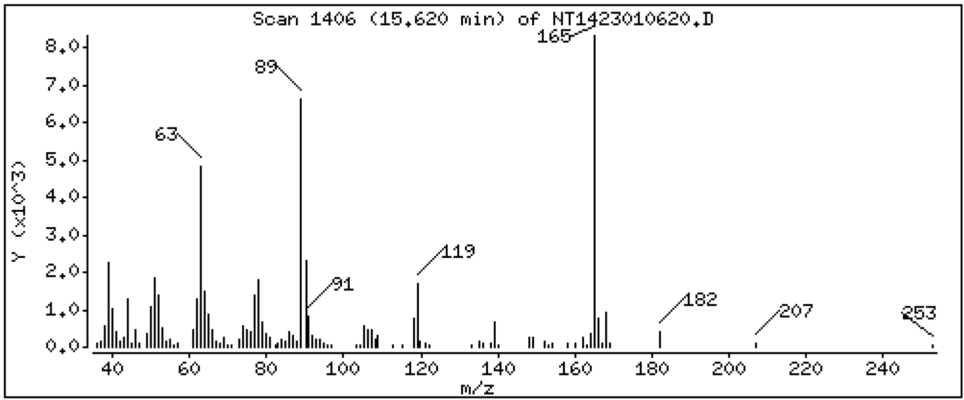
Operator: VTS

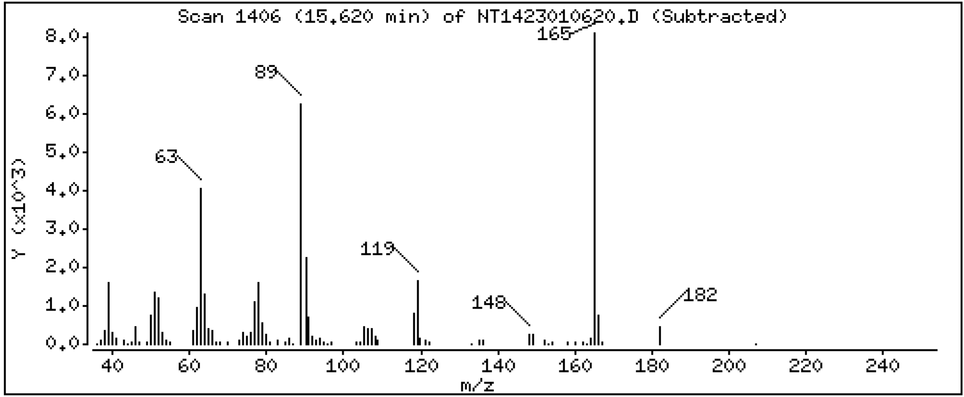
Column phase: ZB-5msi

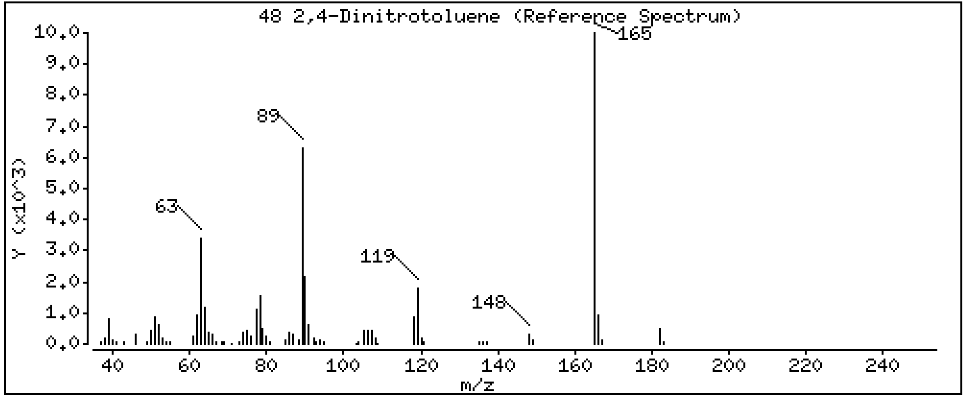
Column diameter: 0.25

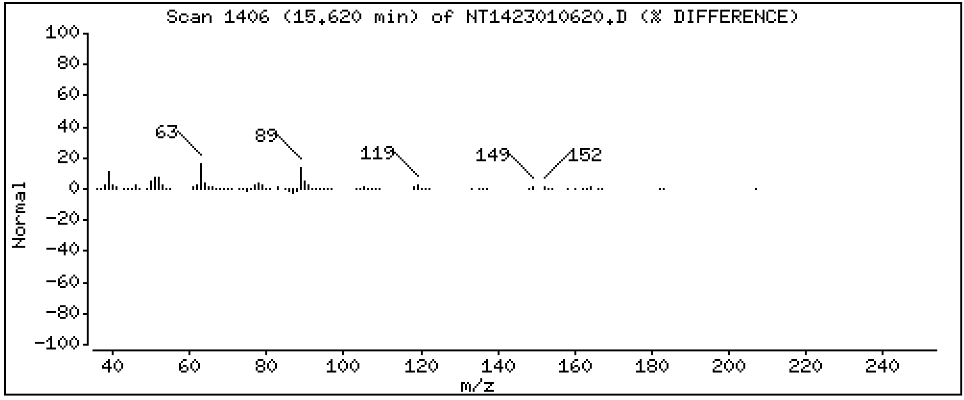
48 2,4-Dinitrotoluene

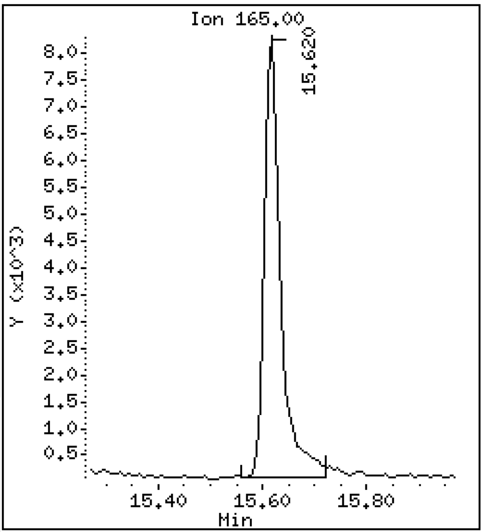
Concentration: 0.7518 ug/mL

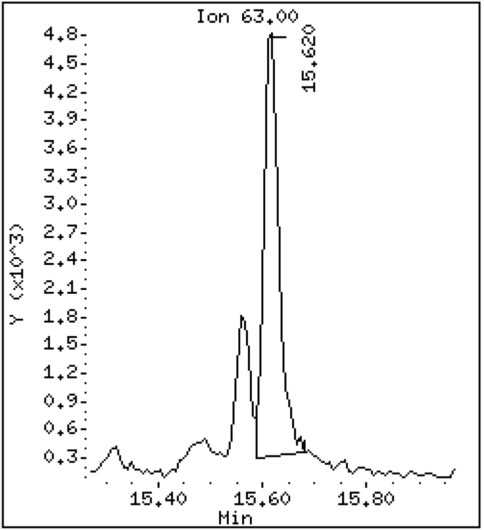

Scan 1406 (15.620 min) of NT1423010620.D

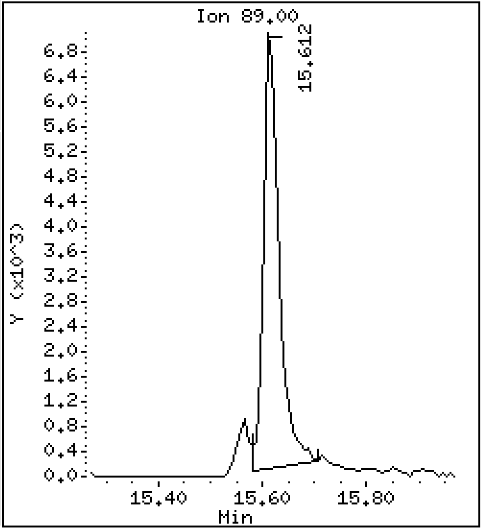

Scan 1406 (15.620 min) of NT1423010620.D (Subtracted)


48 2,4-Dinitrotoluene (Reference Spectrum)


Scan 1406 (15.620 min) of NT1423010620.D (% DIFFERENCE)


Ion 165.00


Ion 63.00


Ion 89.00

Data File: \\target\share\chem3\nt14.i\20230106.b\NT1423010620.D

Date : 06-JAN-2023 23:03

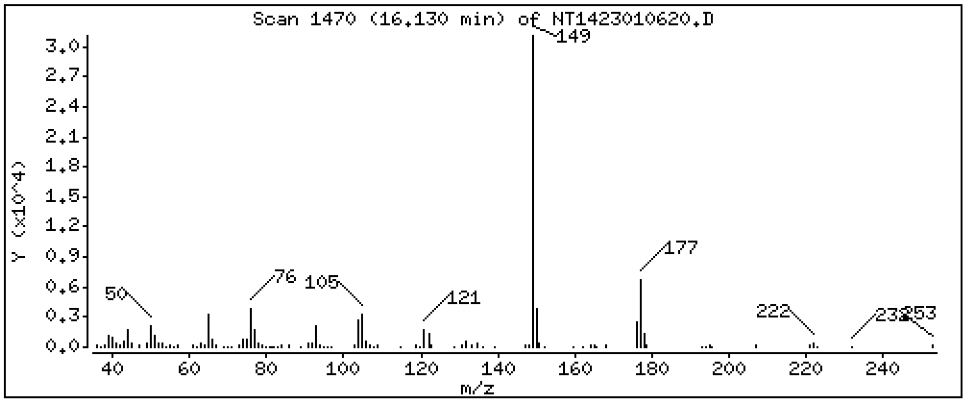
Client ID: Instrument: nt14.i

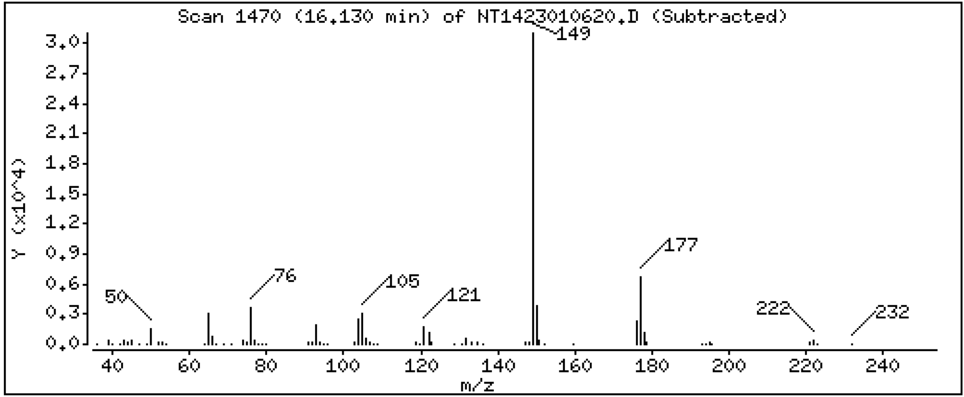
Sample Info: SLA0068-LCV2

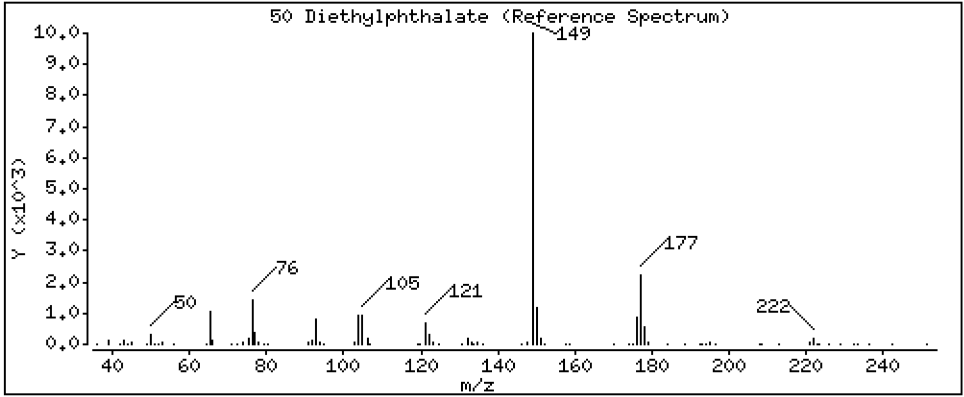
Operator: VTS

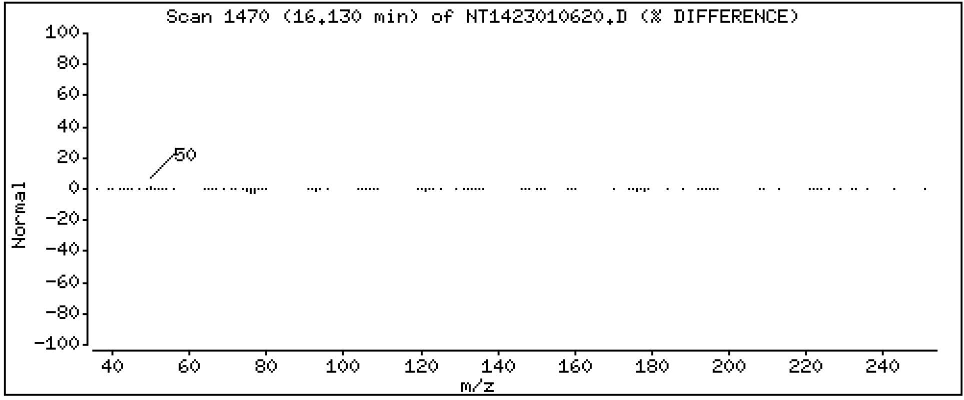
Column phase: ZB-5msi Column diameter: 0.25

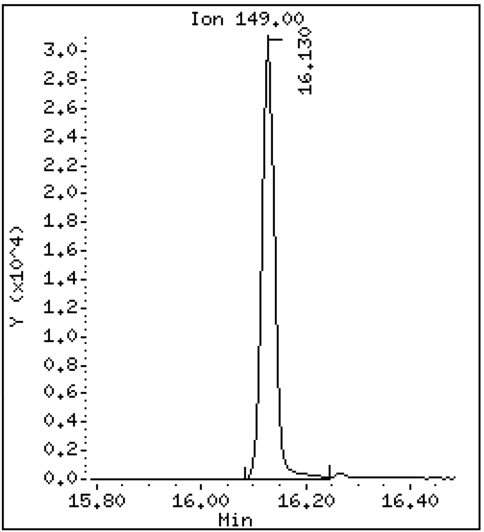
50 Diethylphthalate Concentration: 0.5301 ug/mL

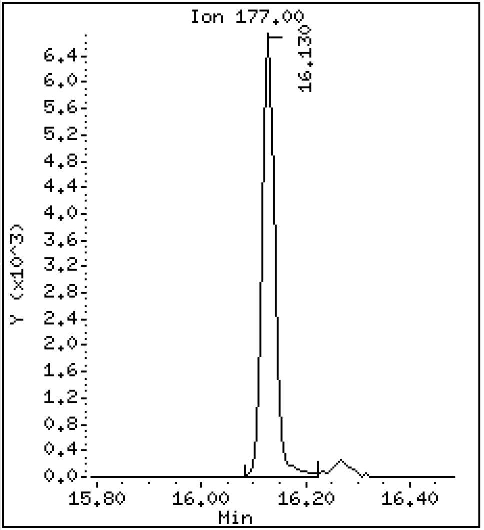

Scan 1470 (16.130 min) of NT1423010620.D

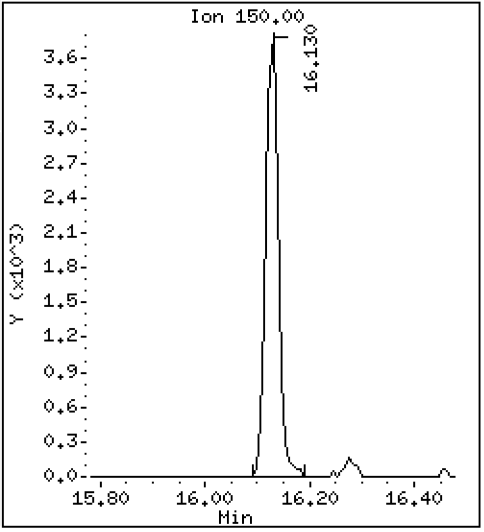

Scan 1470 (16.130 min) of NT1423010620.D (Subtracted)


50 Diethylphthalate (Reference Spectrum)


Scan 1470 (16.130 min) of NT1423010620.D (% DIFFERENCE)


Ion 149.00


Ion 177.00


Ion 150.00

Data File: \\target\share\chem3\nt14.i\20230106.b\NT1423010620.D

Date : 06-JAN-2023 23:03

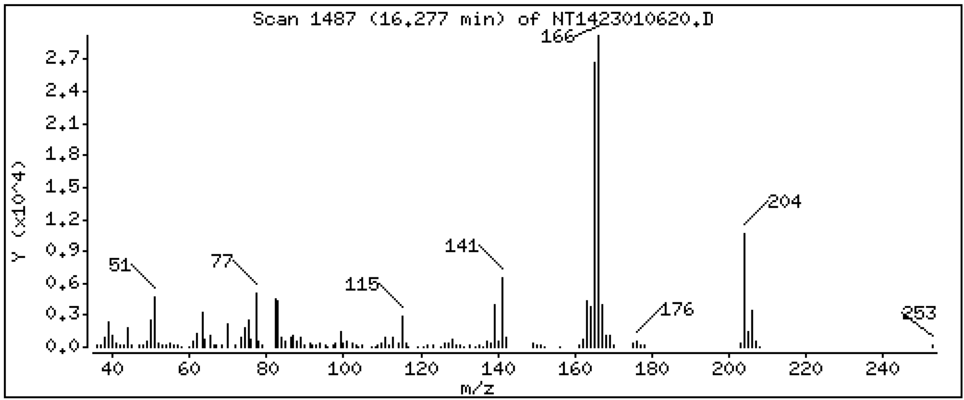
Client ID: Instrument: nt14.i

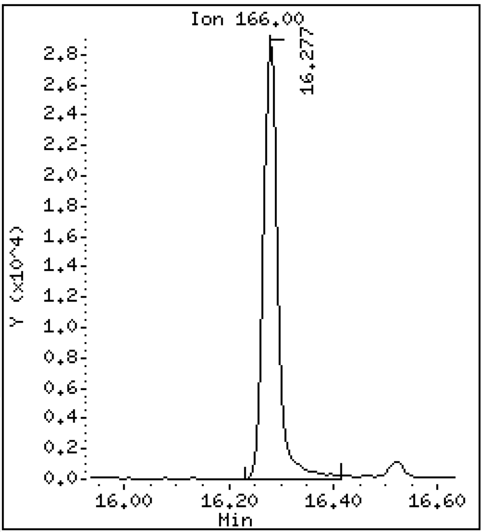
Sample Info: SLA0068-LCV2

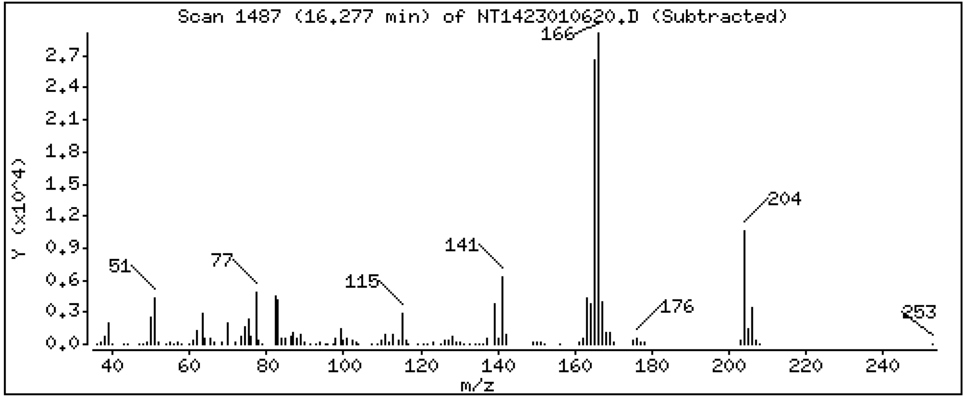
Operator: VTS

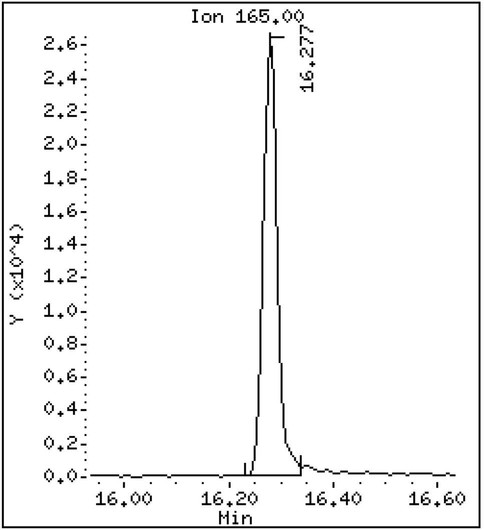
Column phase: ZB-5msi Column diameter: 0.25

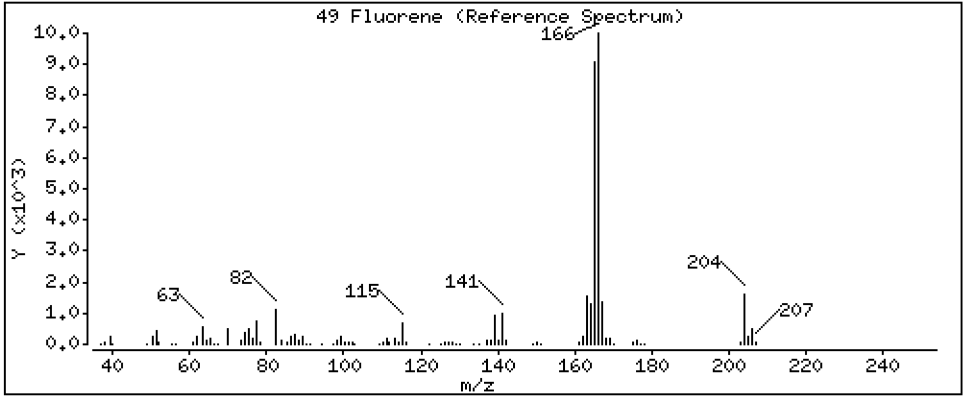
49 Fluorene Concentration: 0.4672 ug/mL

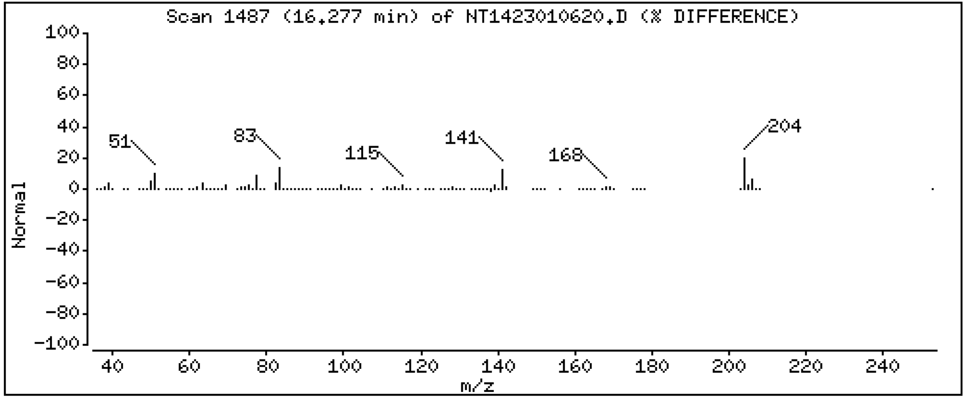


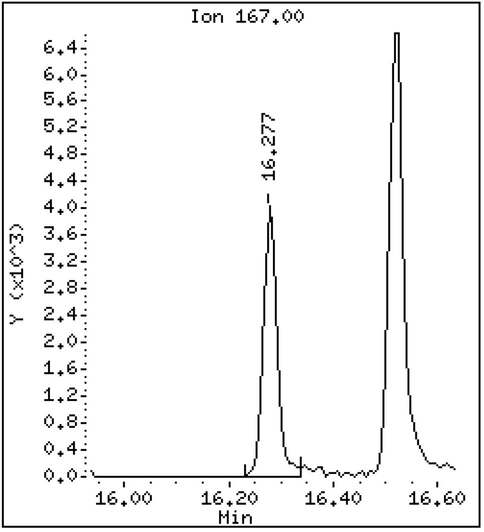












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Date : 06-JAN-2023 23:03

Client ID:

Instrument: nt14.i

Sample Info: SLA0068-LCV2

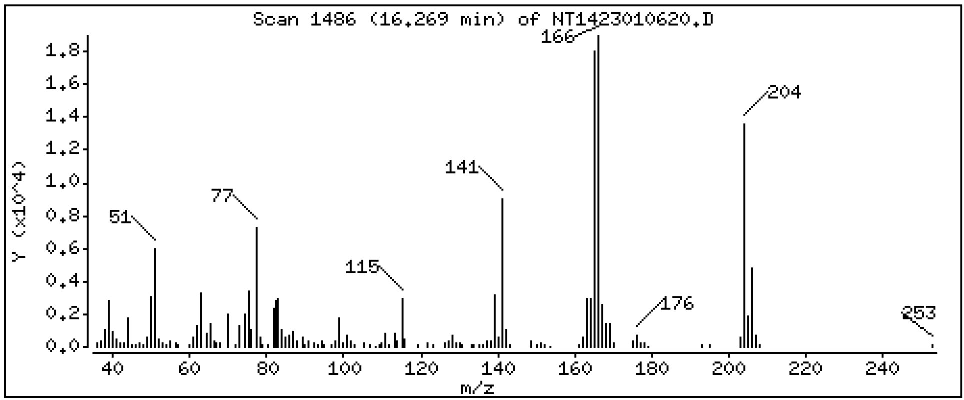
Operator: VTS

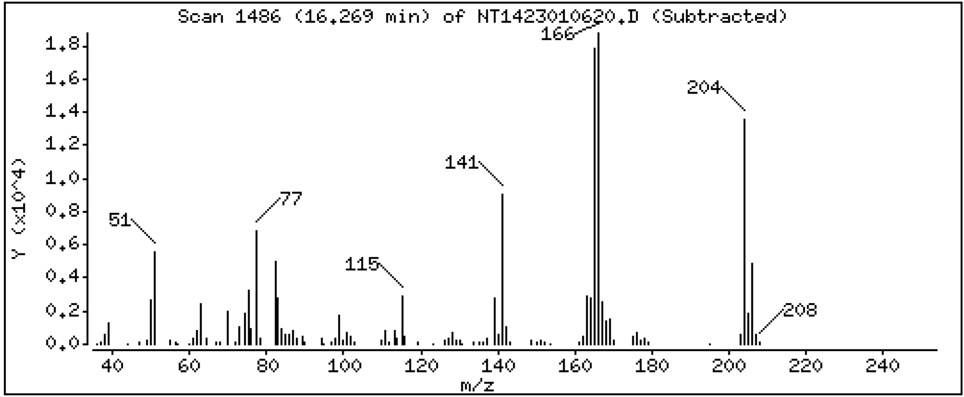
Column phase: ZB-5msi

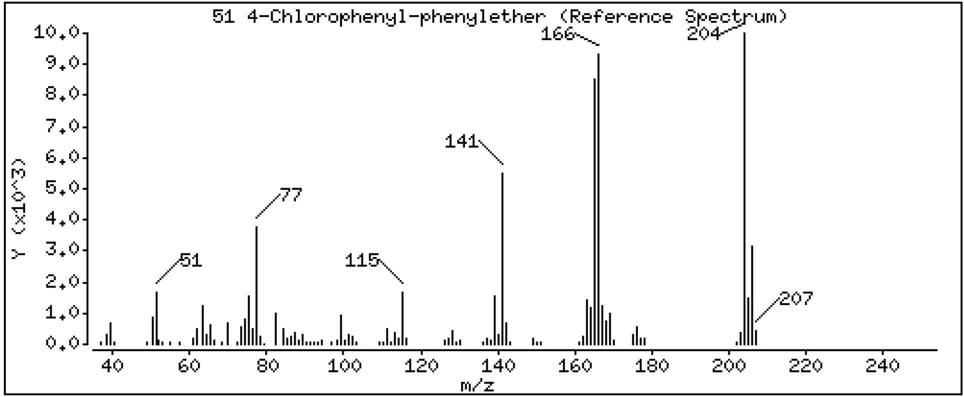
Column diameter: 0.25

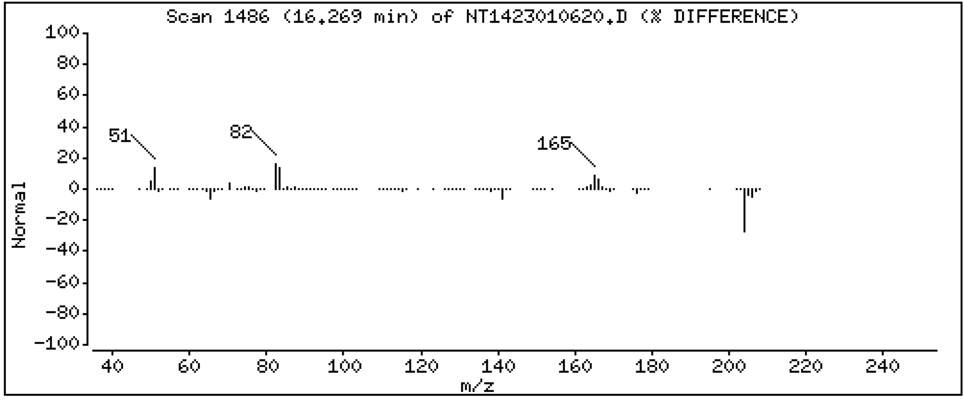
51 4-Chlorophenyl-phenylether

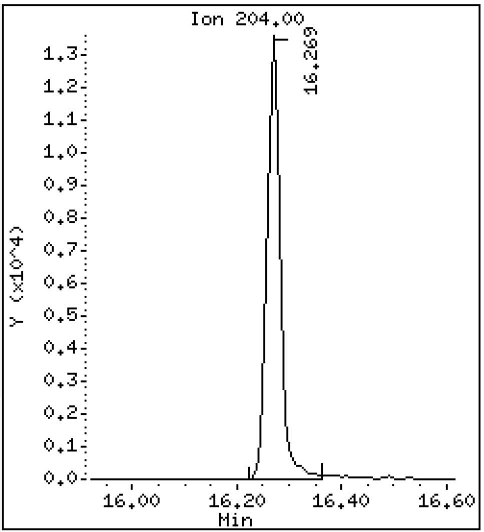
Concentration: 0.4205 ug/mL

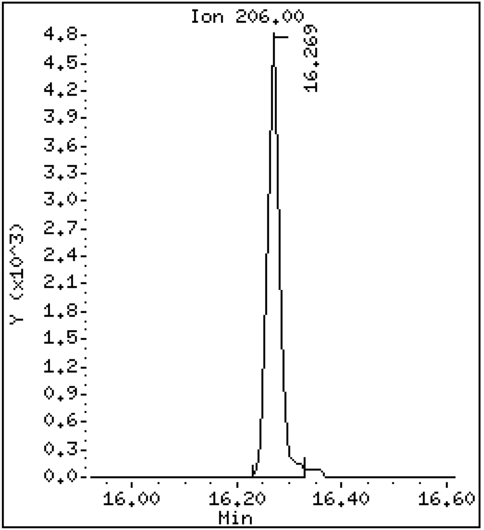

Scan 1486 (16.269 min) of NT1423010620.D

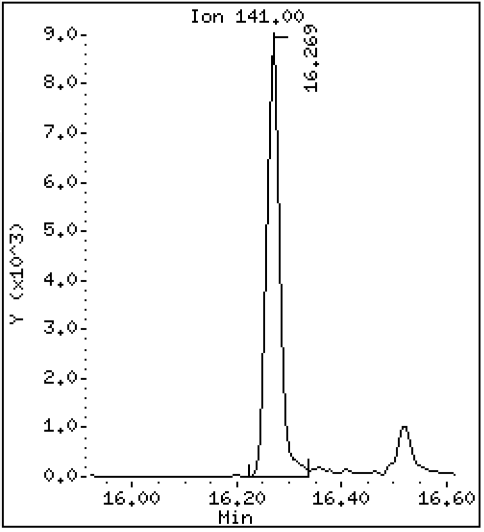

Scan 1486 (16.269 min) of NT1423010620.D (Subtracted)


51 4-Chlorophenyl-phenylether (Reference Spectrum)


Scan 1486 (16.269 min) of NT1423010620.D (% DIFFERENCE)


Ion 204.00


Ion 206.00


Ion 141.00

Data File: \\target\share\chem3\nt14.i\20230106.b\NT1423010620.D

Date : 06-JAN-2023 23:03

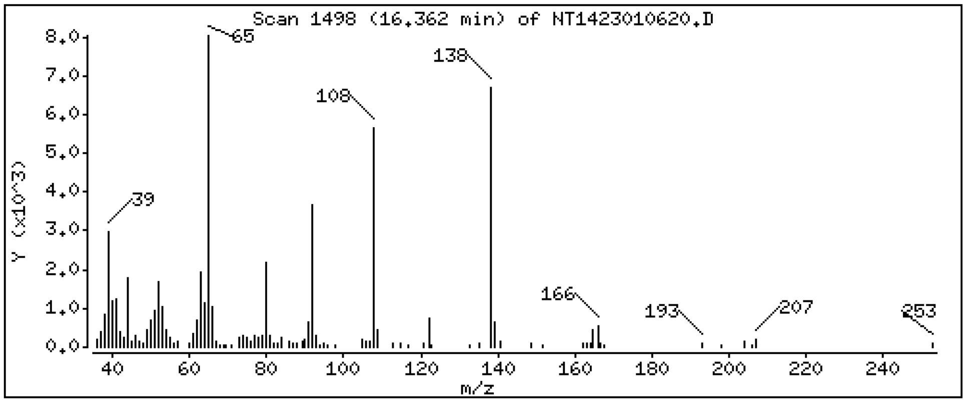
Client ID: Instrument: nt14.i

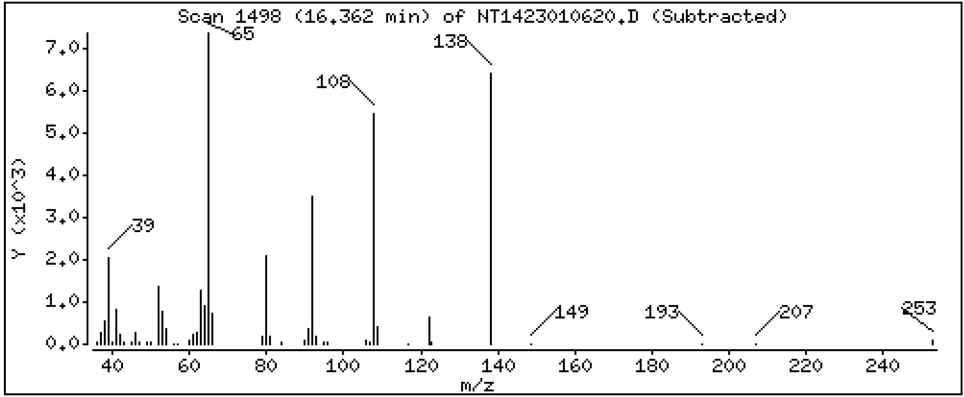
Sample Info: SLA0068-LCV2

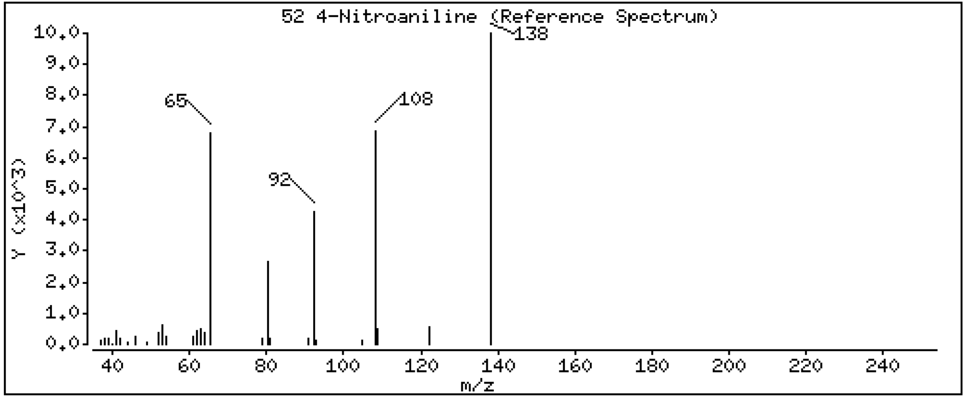
Operator: VTS

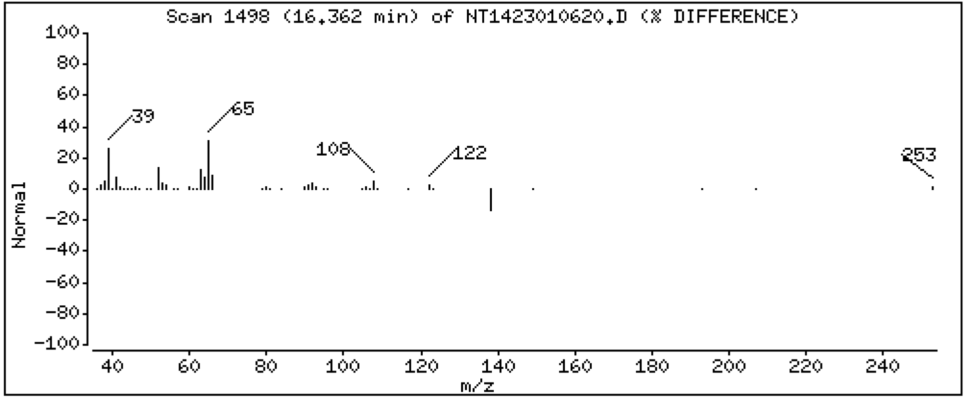
Column phase: ZB-5msi Column diameter: 0.25

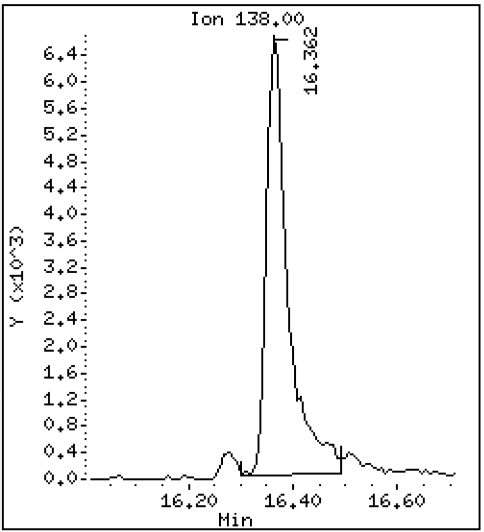
52 4-Nitroaniline Concentration: 0.7544 ug/mL

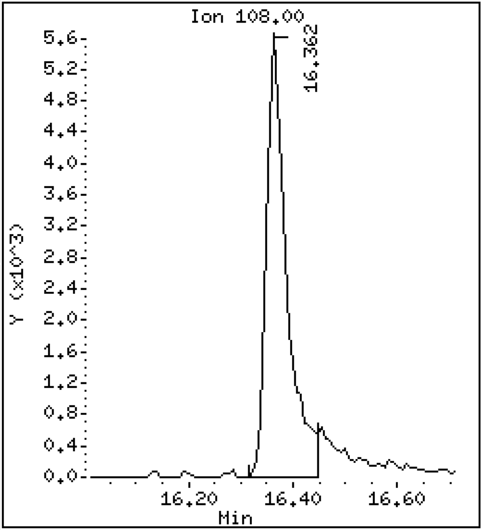

Scan 1498 (16.362 min) of NT1423010620.D

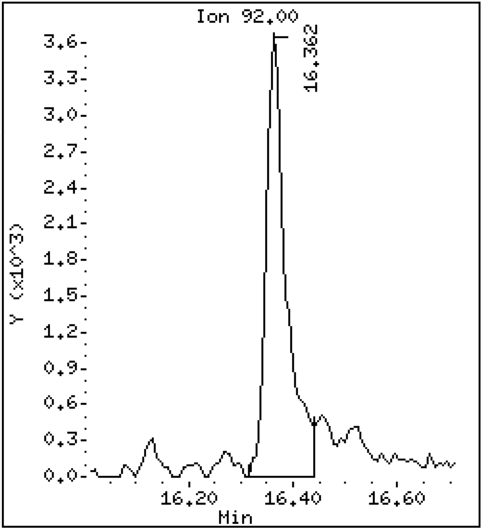

Scan 1498 (16.362 min) of NT1423010620.D (Subtracted)


52 4-Nitroaniline (Reference Spectrum)


Scan 1498 (16.362 min) of NT1423010620.D (% DIFFERENCE)


Ion 138.00


Ion 108.00


Ion 92.00

Data File: \\target\share\chem3\nt14.i\20230106.b\NT1423010620.D

Date : 06-JAN-2023 23:03

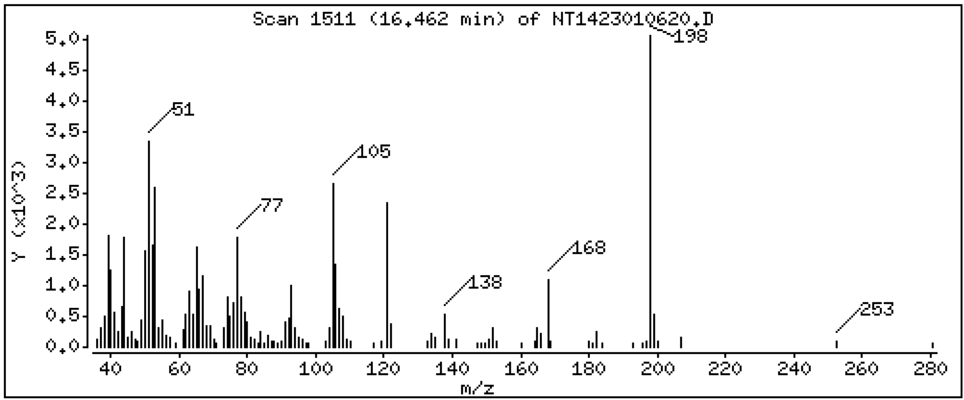
Client ID: Instrument: nt14.i

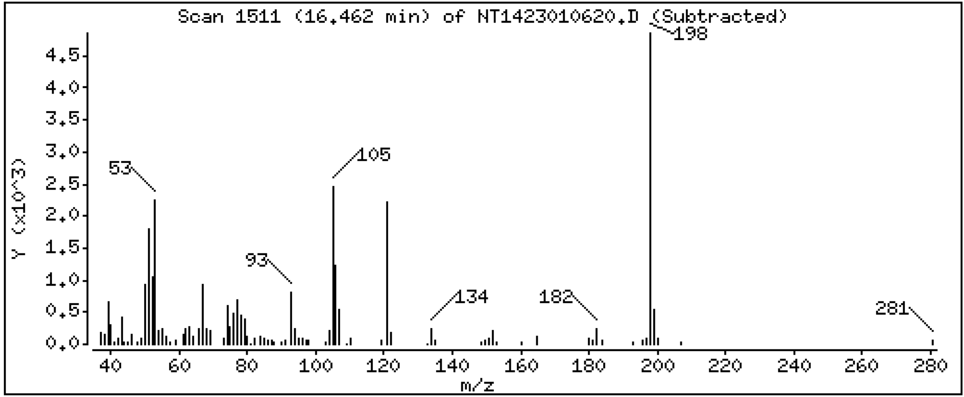
Sample Info: SLA0068-LCV2

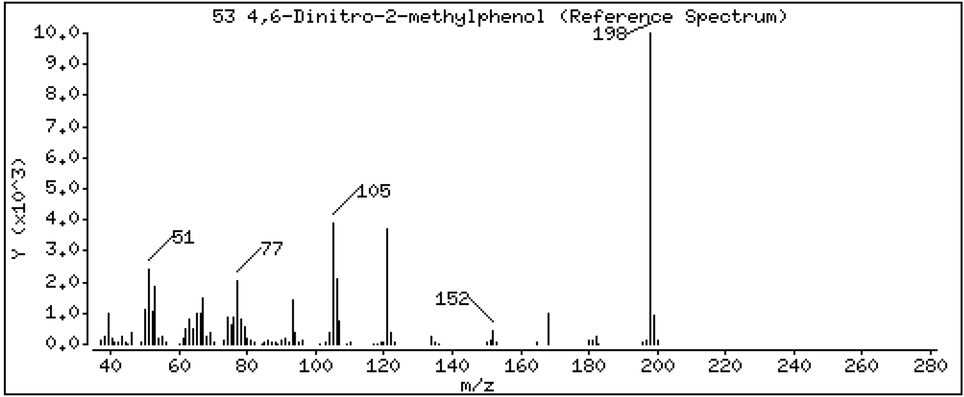
Operator: VTS

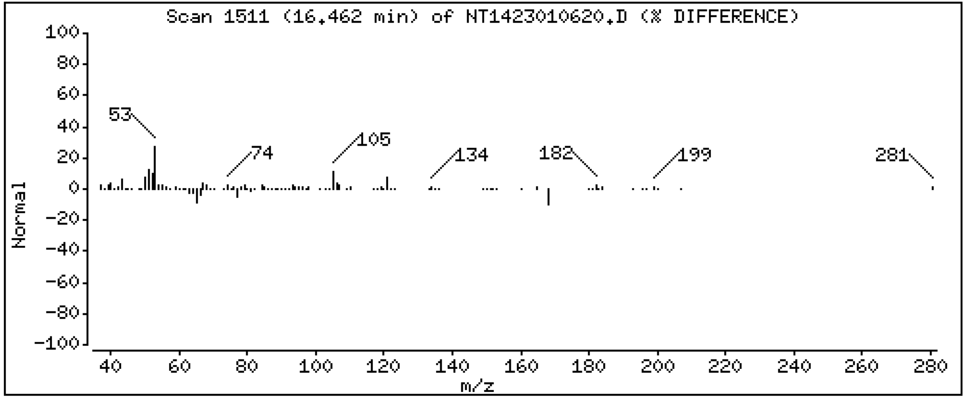
Column phase: ZB-5msi Column diameter: 0.25

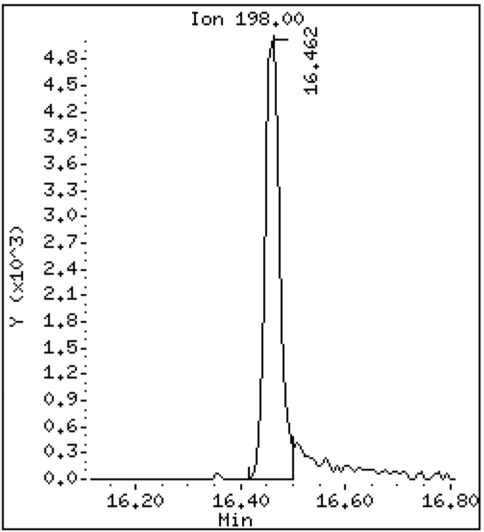
53 4,6-Dinitro-2-methylphenol Concentration: 0.5046 ug/mL

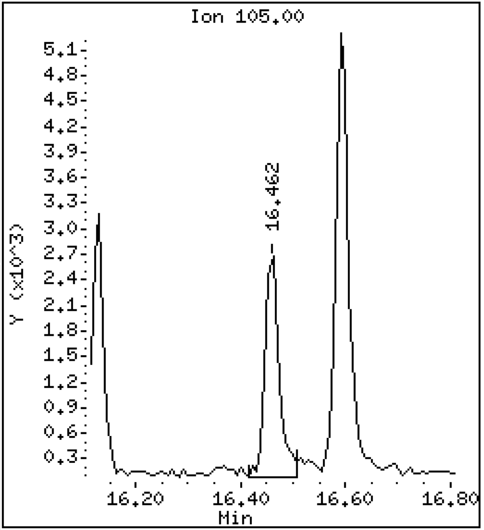


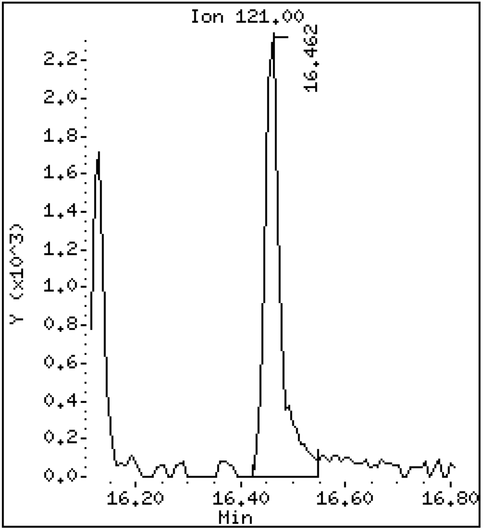












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Date : 06-JAN-2023 23:03

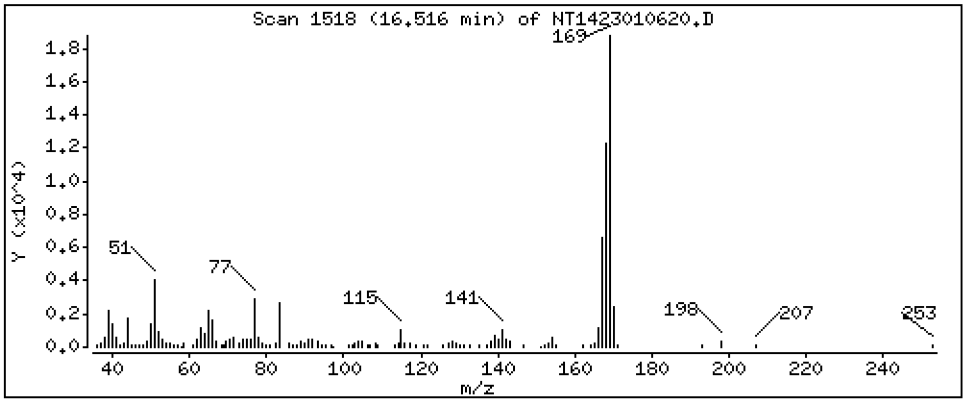
Client ID: Instrument: nt14.i

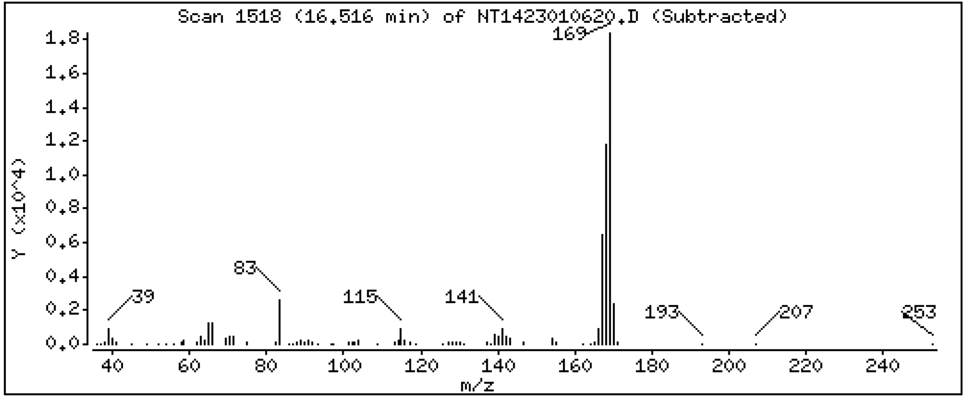
Sample Info: SLA0068-LCV2

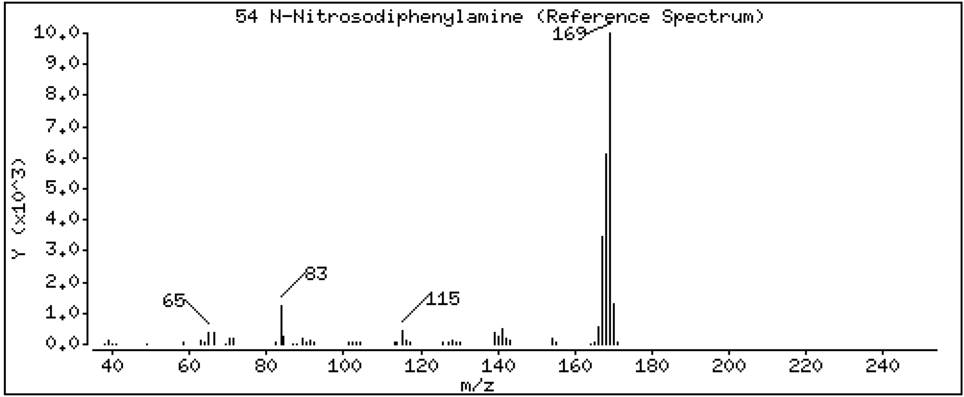
Operator: VTS

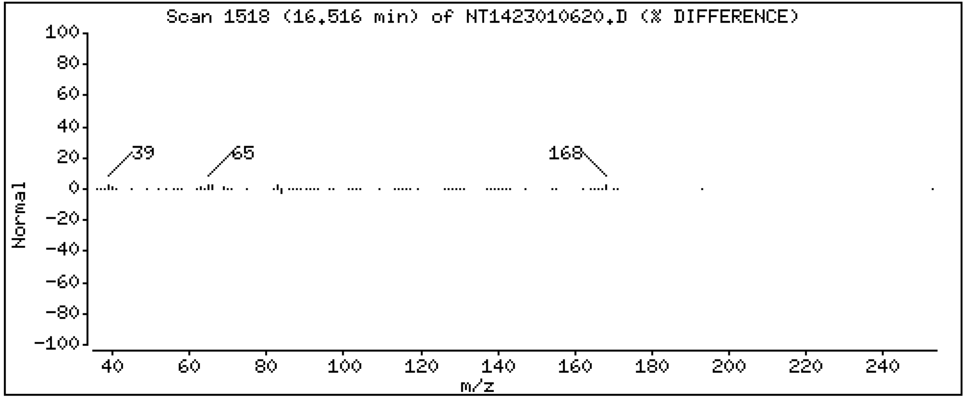
Column phase: ZB-5msi Column diameter: 0.25

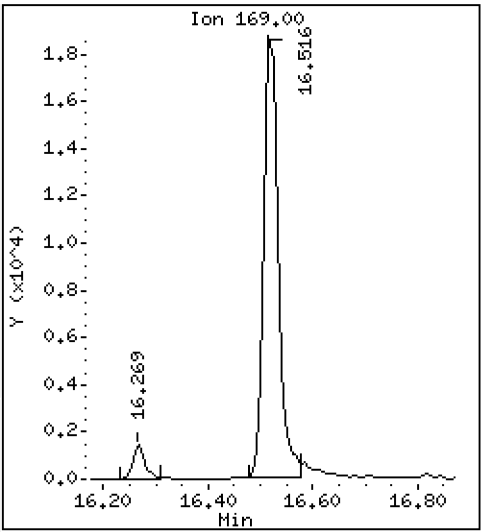
54 N-Nitrosodiphenylamine Concentration: 0.4445 ug/mL

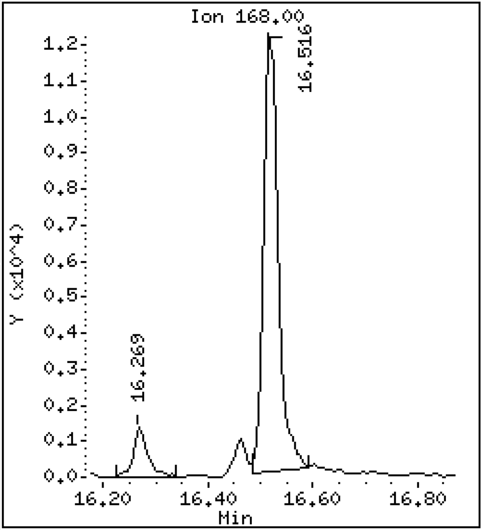


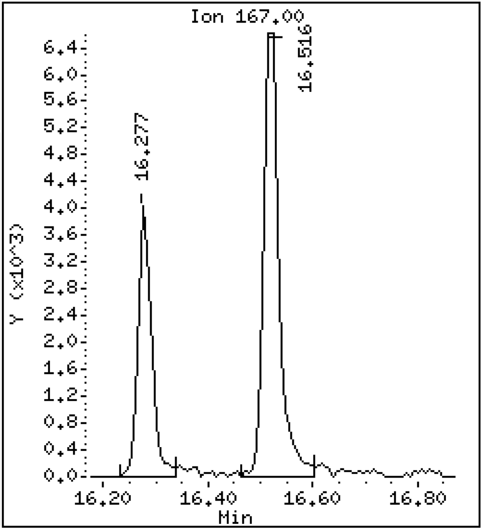












Data File: \\target\share\chem3\nt14.i\20230106.b\NT1423010620.D

Date : 06-JAN-2023 23:03

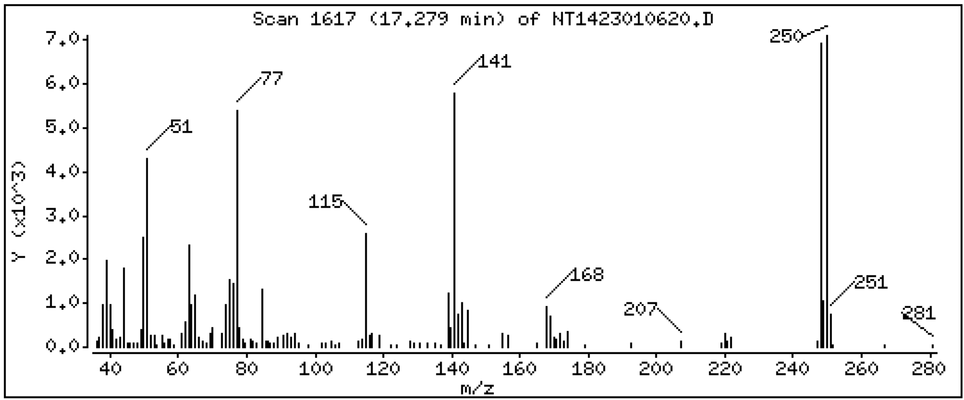
Client ID: Instrument: nt14.i

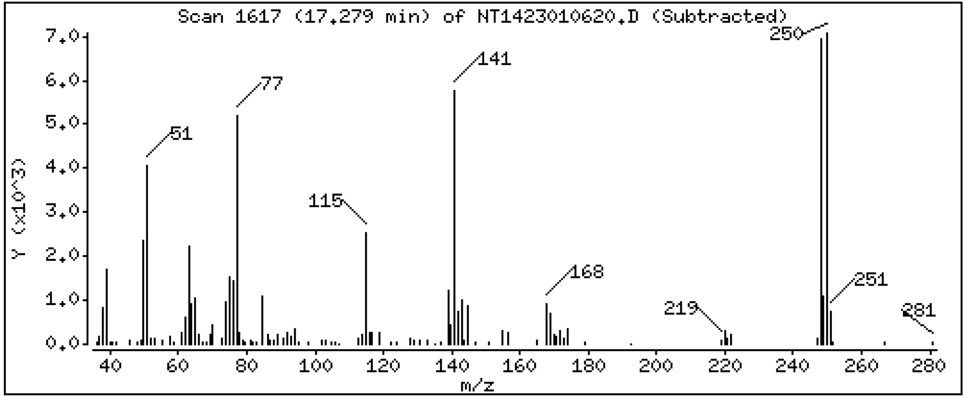
Sample Info: SLA0068-LCV2

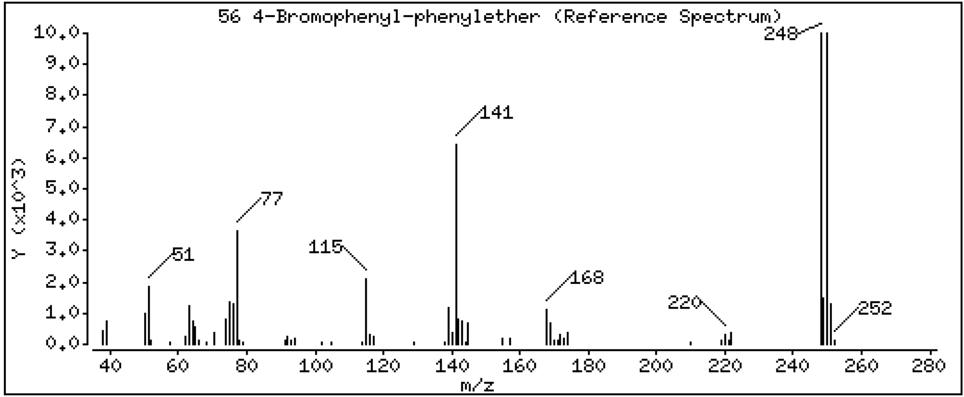
Operator: VTS

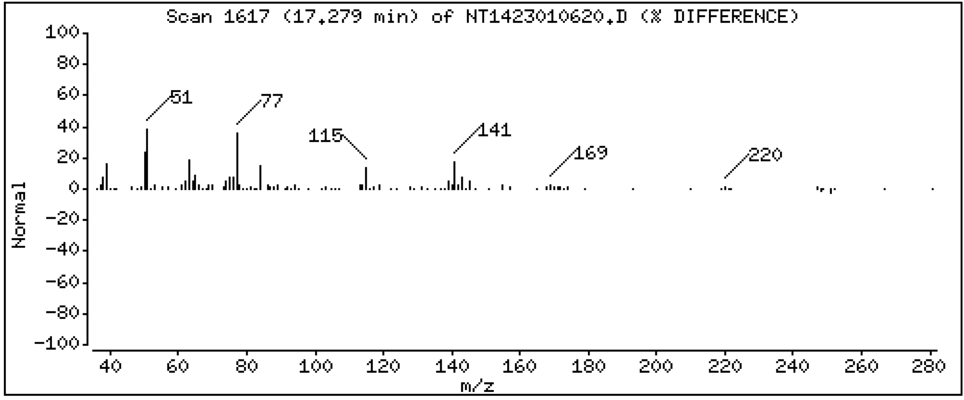
Column phase: ZB-5msi Column diameter: 0.25

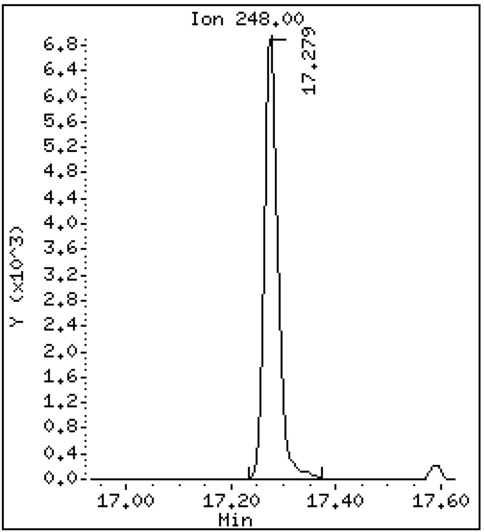
56 4-Bromophenyl-phenylether Concentration: 0.4322 ug/mL

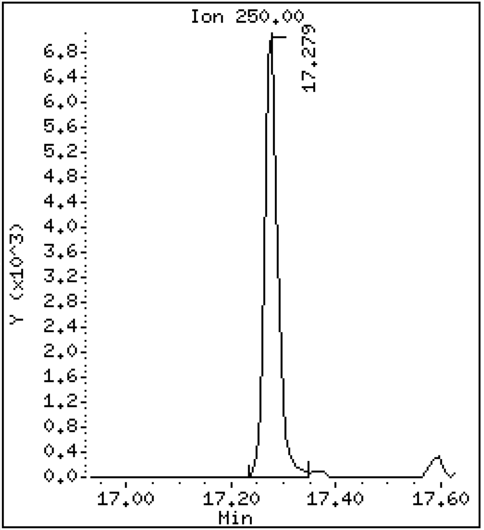

Scan 1617 (17.279 min) of NT1423010620.D

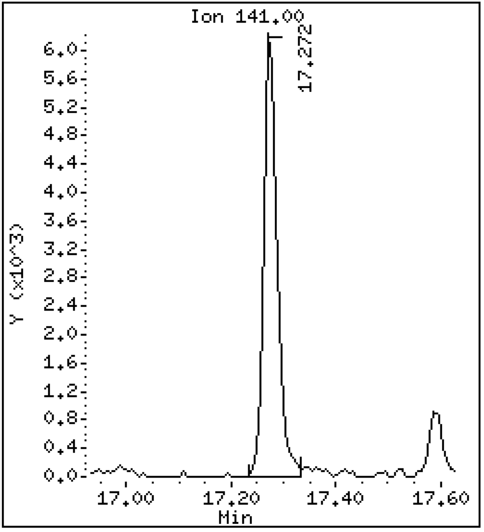

Scan 1617 (17.279 min) of NT1423010620.D (Subtracted)


56 4-Bromophenyl-phenylether (Reference Spectrum)


Scan 1617 (17.279 min) of NT1423010620.D (% DIFFERENCE)


Ion 248.00


Ion 250.00


Ion 141.00

Data File: \\target\share\chem3\nt14.i\20230106.b\NT1423010620.D

Date : 06-JAN-2023 23:03

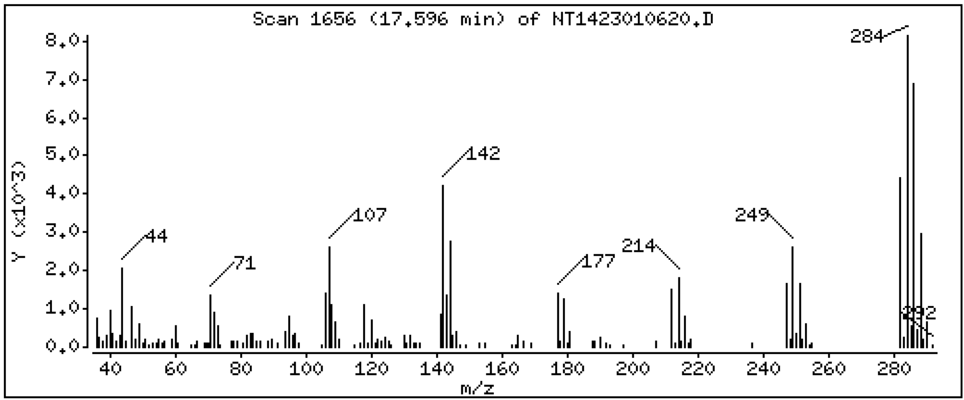
Client ID: Instrument: nt14.i

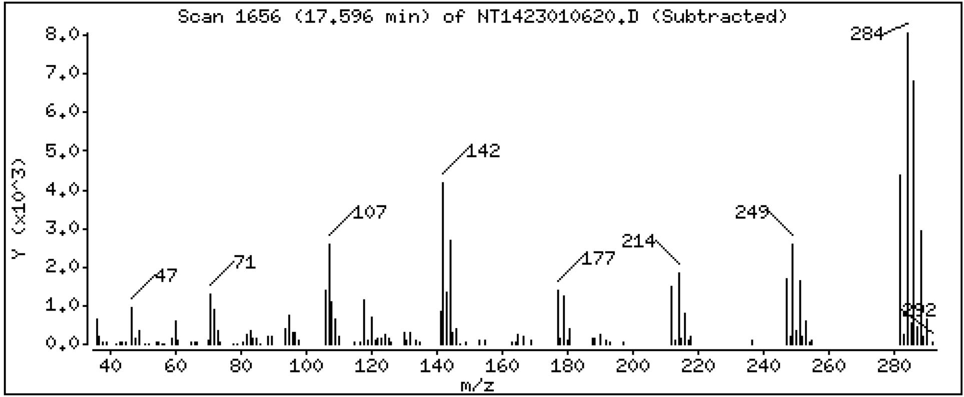
Sample Info: SLA0068-LCV2

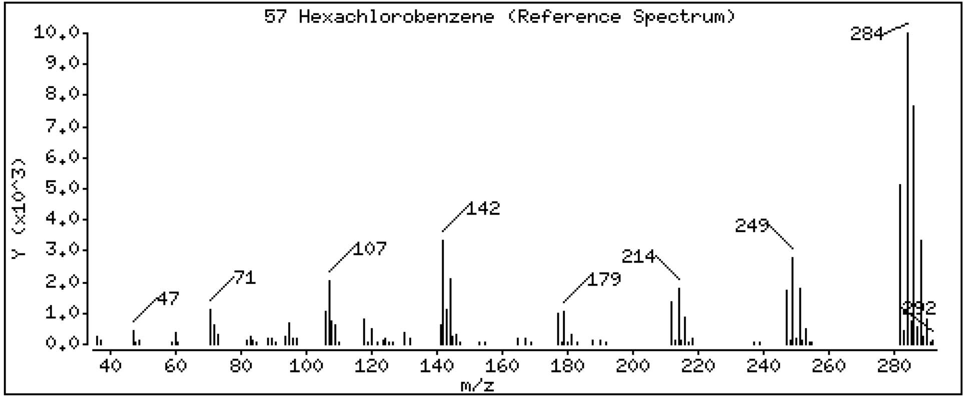
Operator: VTS

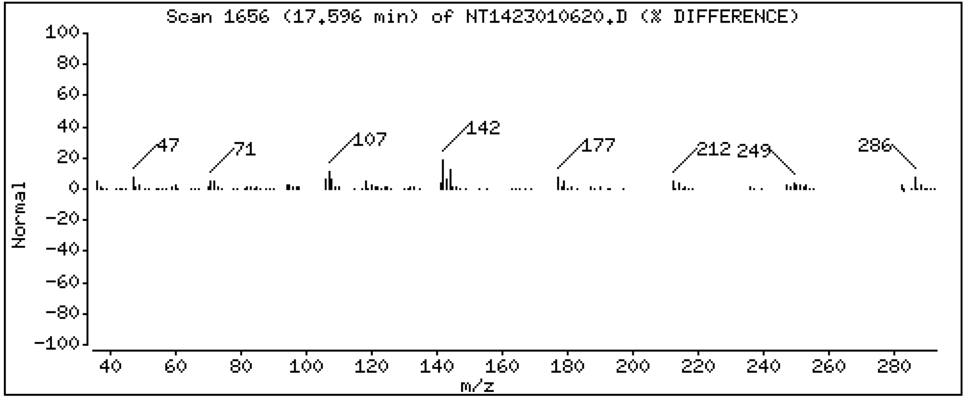
Column phase: ZB-5msi Column diameter: 0.25

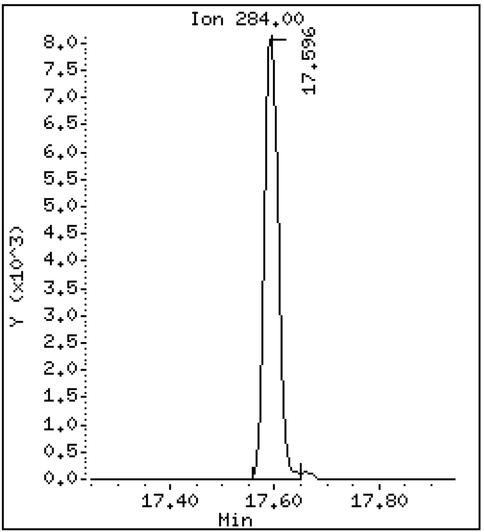
57 Hexachlorobenzene Concentration: 0.4543 ug/mL

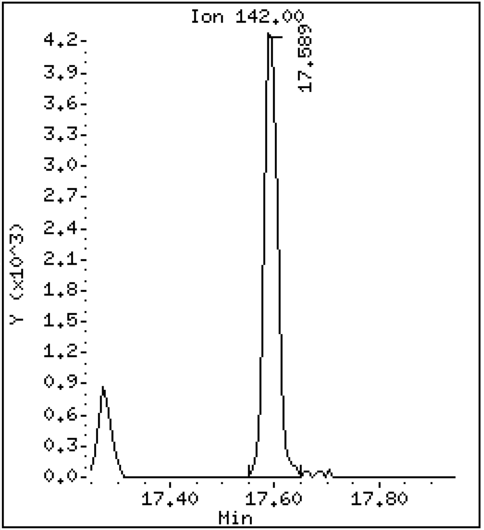

Scan 1656 (17.596 min) of NT1423010620.D

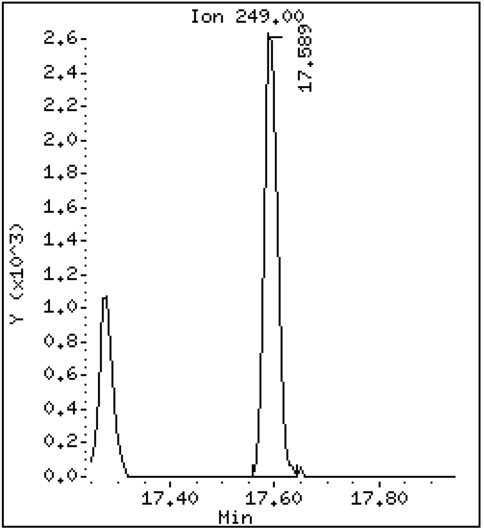

Scan 1656 (17.596 min) of NT1423010620.D (Subtracted)


57 Hexachlorobenzene (Reference Spectrum)


Scan 1656 (17.596 min) of NT1423010620.D (% DIFFERENCE)


Ion 284.00


Ion 142.00


Ion 249.00

Data File: \\target\share\chem3\nt14.i\20230106.b\NT1423010620.D

Date : 06-JAN-2023 23:03

Client ID:

Instrument: nt14.i

Sample Info: SLA0068-LCV2

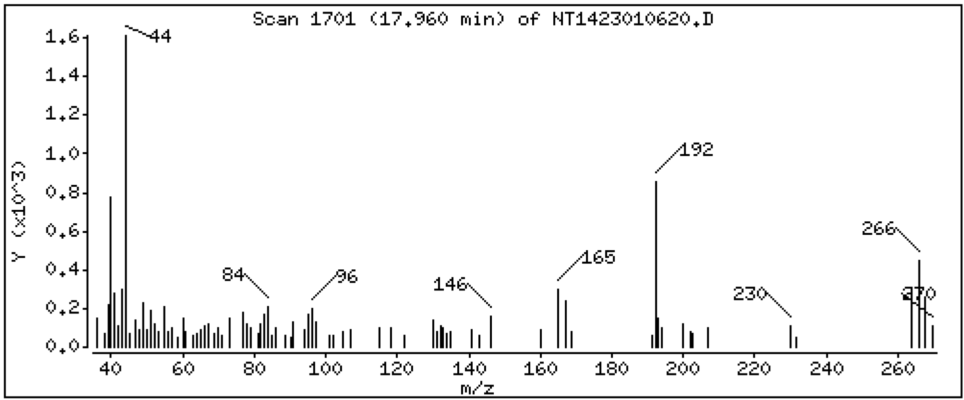
Operator: VTS

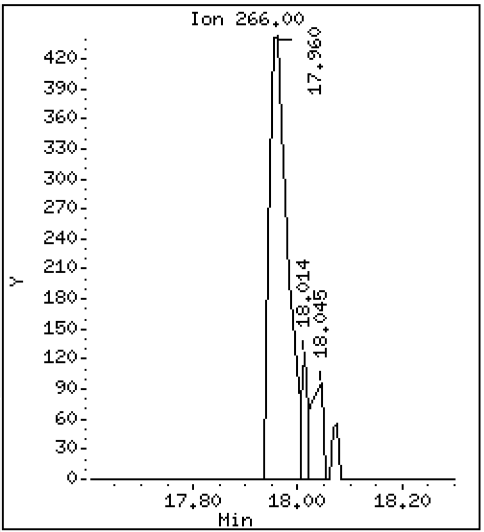
Column phase: ZB-5msi

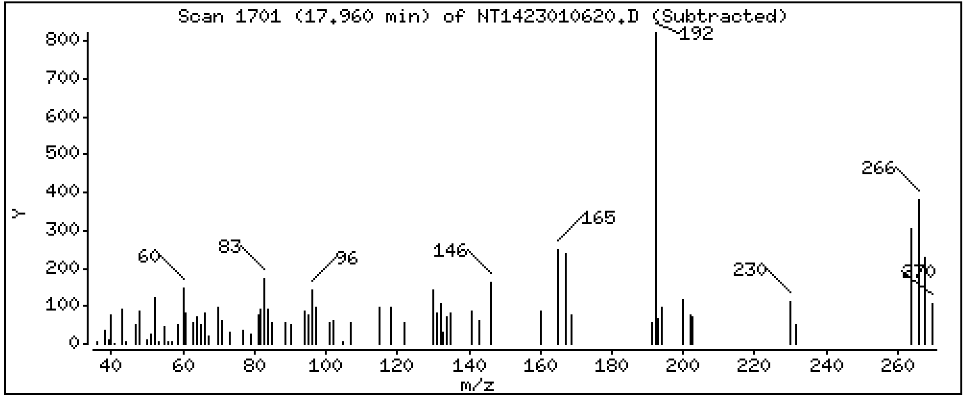
Column diameter: 0.25

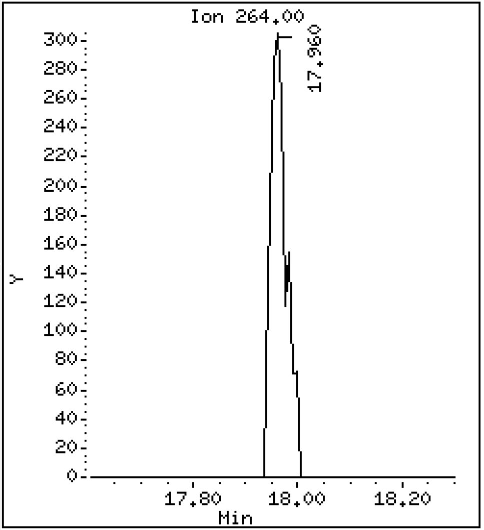
58 Pentachlorophenol

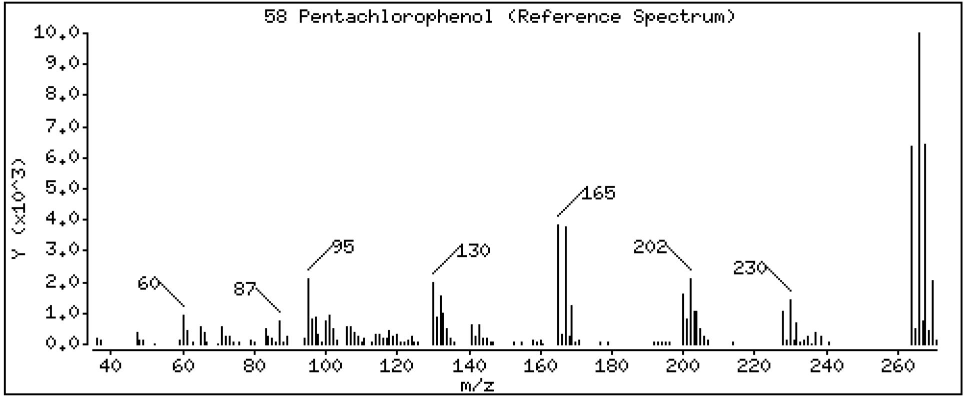
Concentration: 0.07732 ug/mL

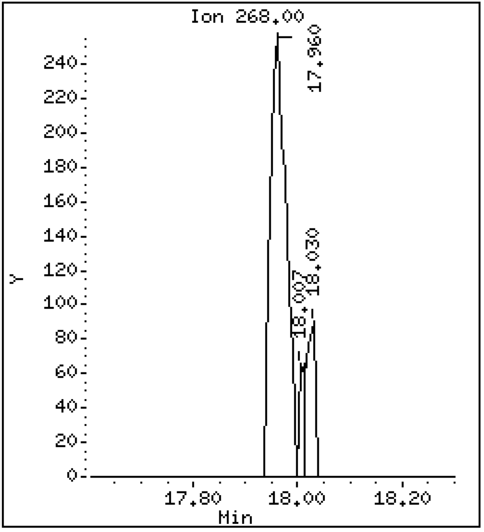


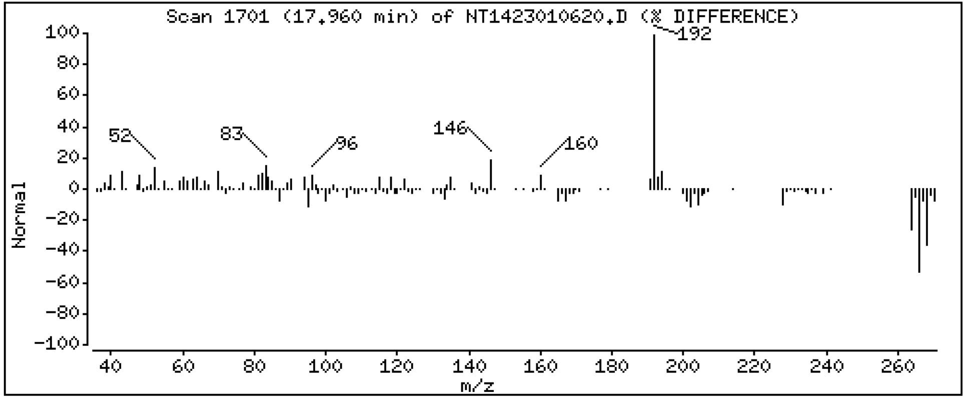












Data File: \\target\share\chem3\nt14.i\20230106.b\NT1423010620.D

Date : 06-JAN-2023 23:03

Client ID:

Instrument: nt14.i

Sample Info: SLA0068-LCV2

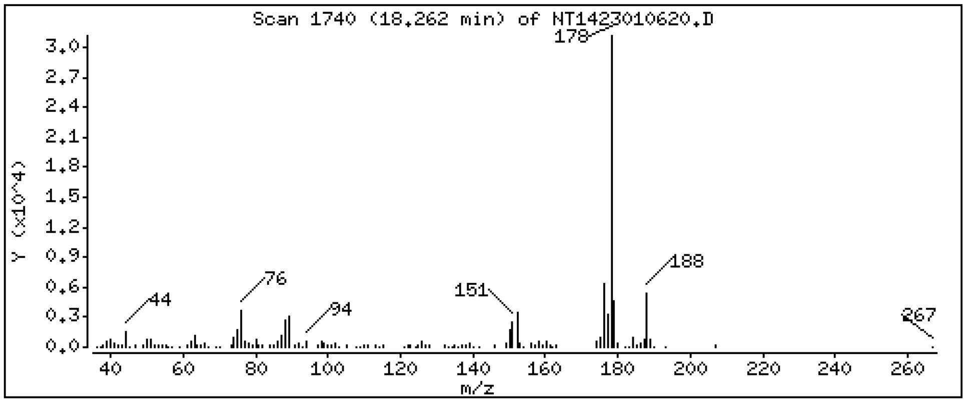
Operator: VTS

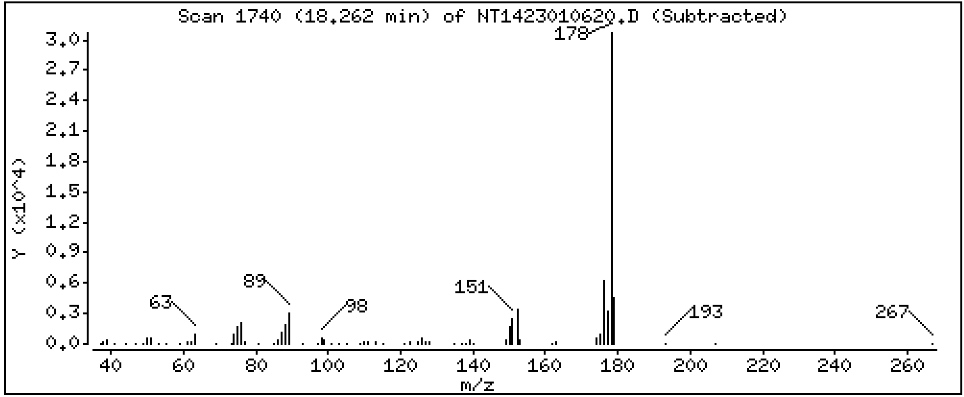
Column phase: ZB-5msi

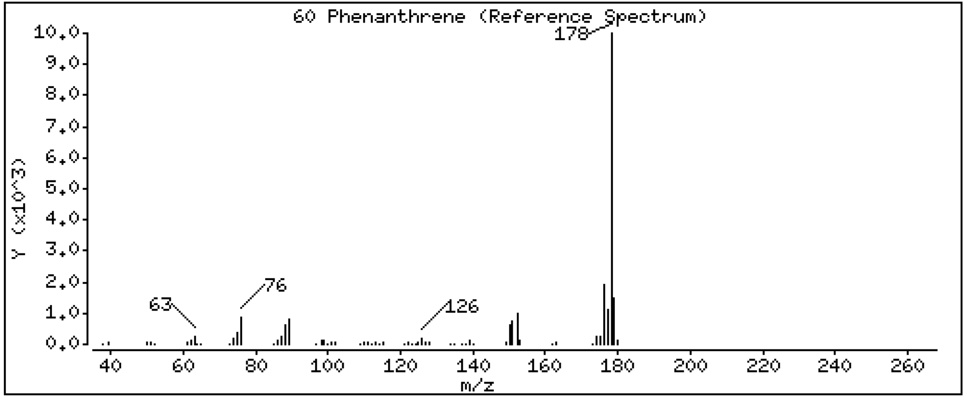
Column diameter: 0.25

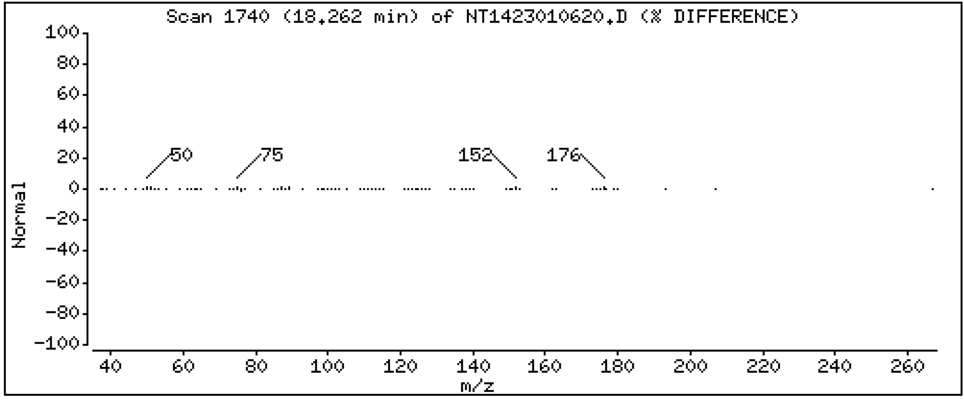
60 Phenanthrene

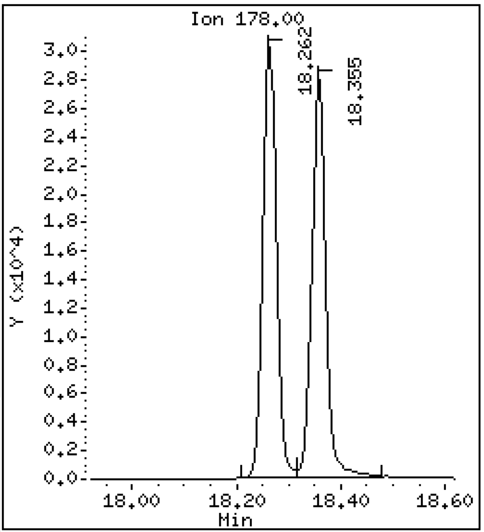
Concentration: 0.4518 ug/mL

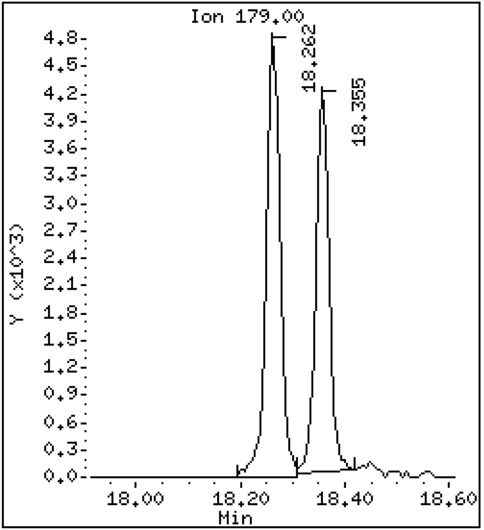

Scan 1740 (18.262 min) of NT1423010620.D

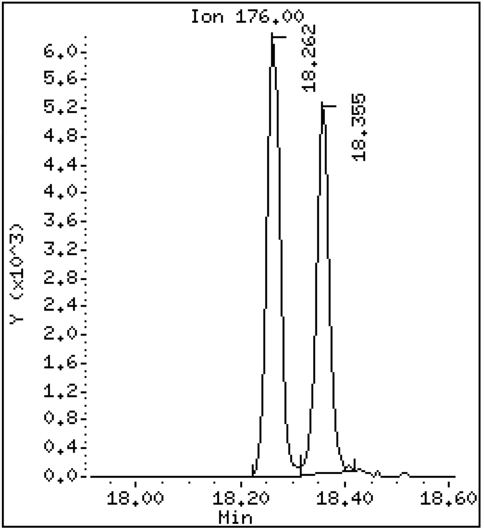

Scan 1740 (18.262 min) of NT1423010620.D (Subtracted)


60 Phenanthrene (Reference Spectrum)


Scan 1740 (18.262 min) of NT1423010620.D (% DIFFERENCE)


Ion 178.00


Ion 179.00


Ion 176.00

Data File: \\target\share\chem3\nt14.i\20230106.b\NT1423010620.D

Date : 06-JAN-2023 23:03

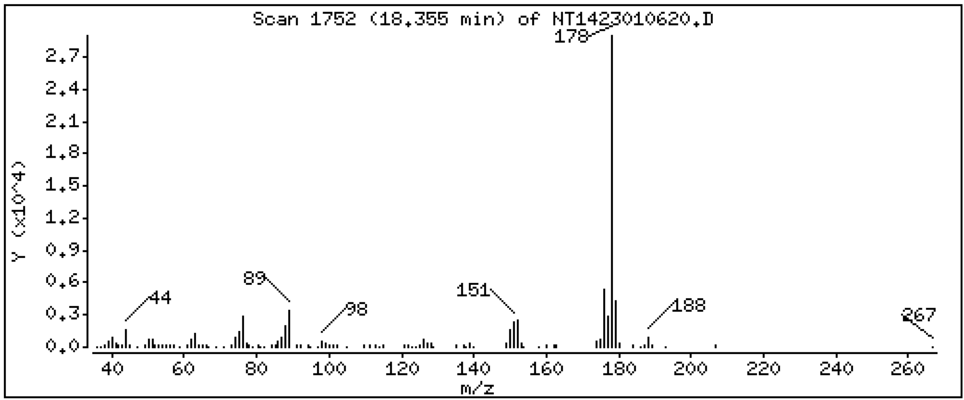
Client ID: Instrument: nt14.i

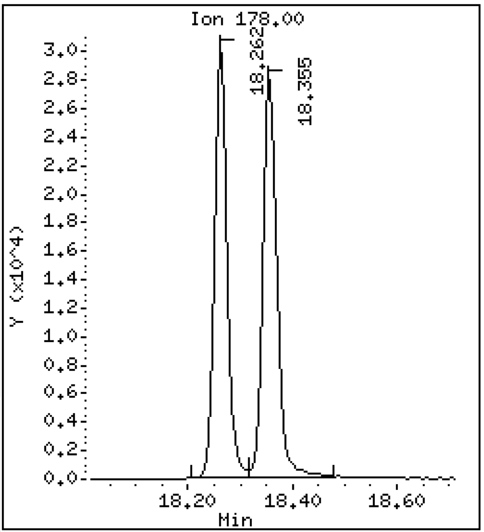
Sample Info: SLA0068-LCV2

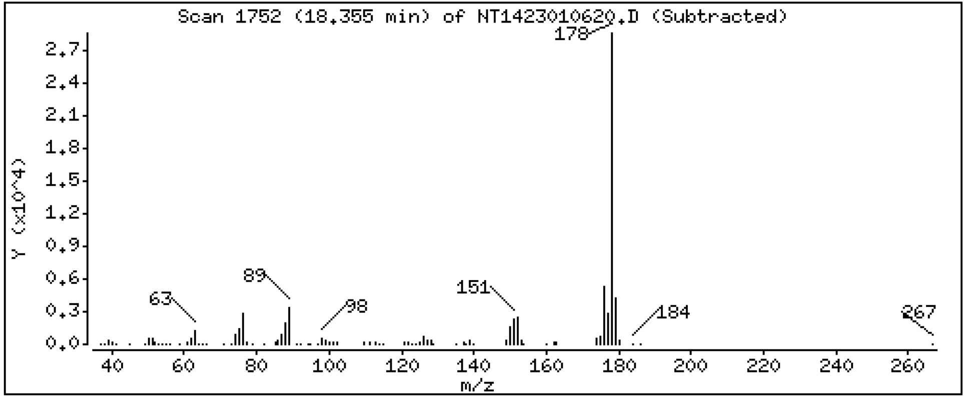
Operator: VTS

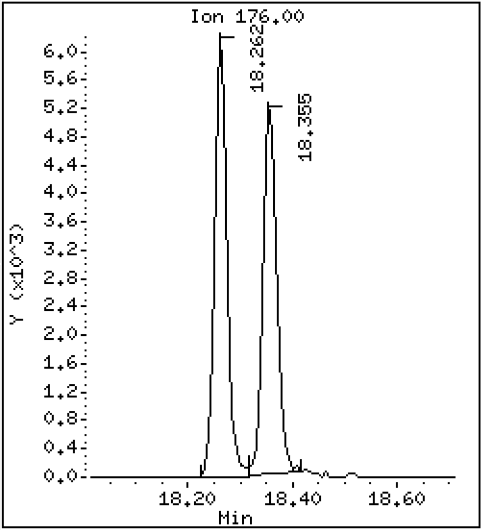
Column phase: ZB-5msi Column diameter: 0.25

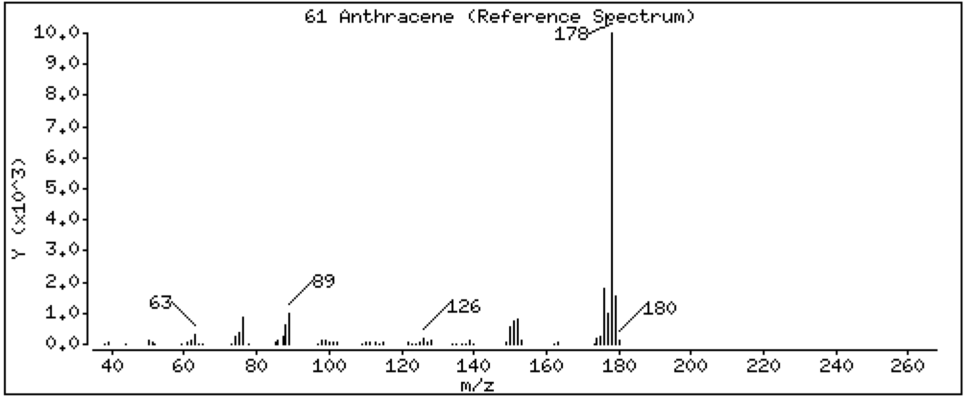
61 Anthracene Concentration: 0.4608 ug/mL

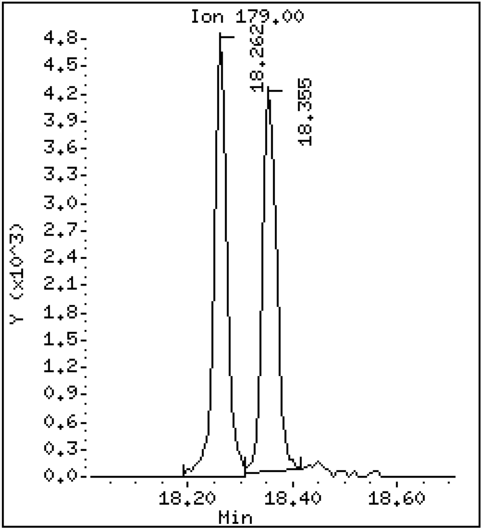


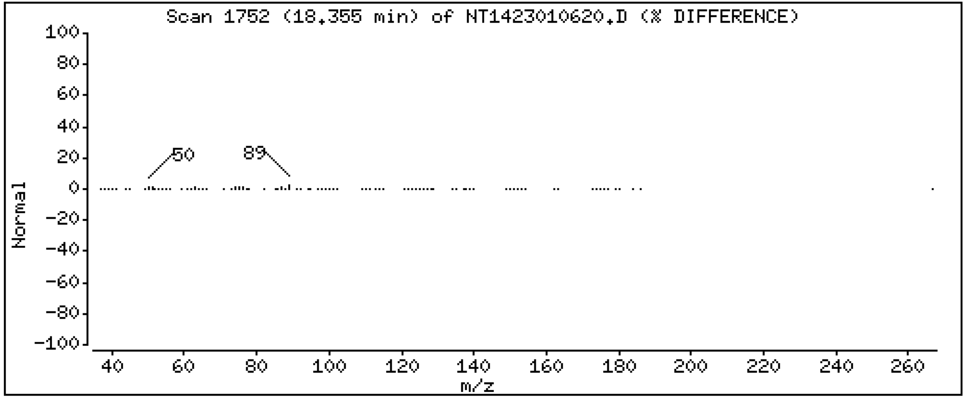












Data File: \\target\share\chem3\nt14.i\20230106.b\NT1423010620.D

Date : 06-JAN-2023 23:03

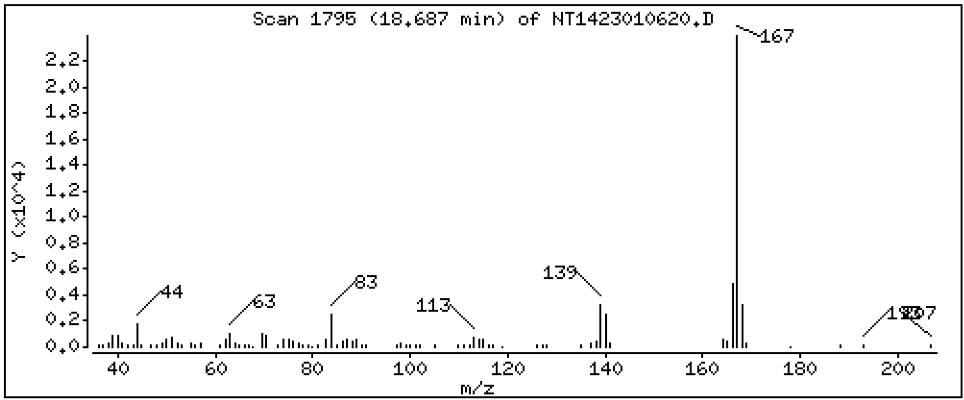
Client ID: Instrument: nt14.i

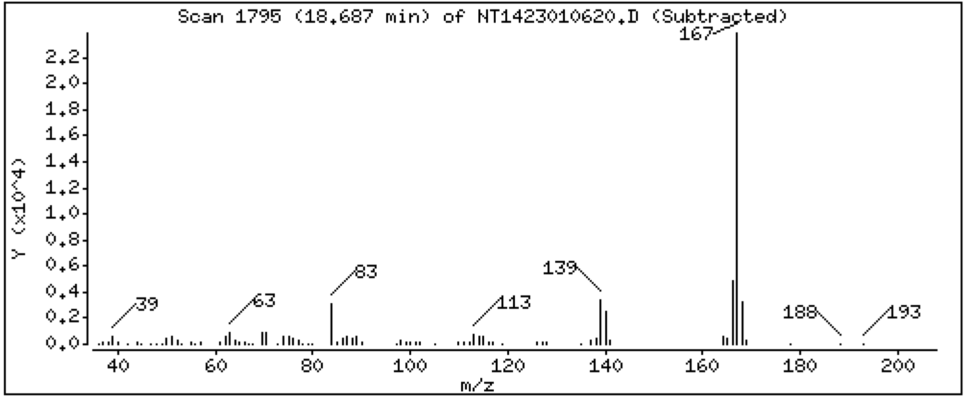
Sample Info: SLA0068-LCV2

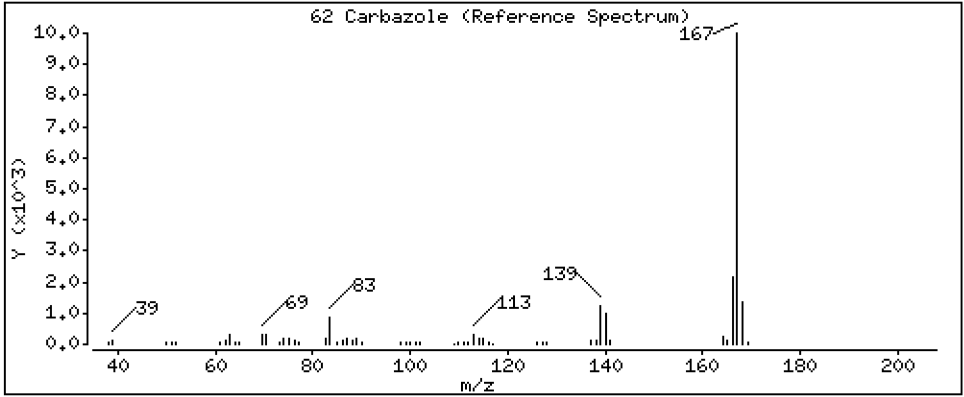
Operator: VTS

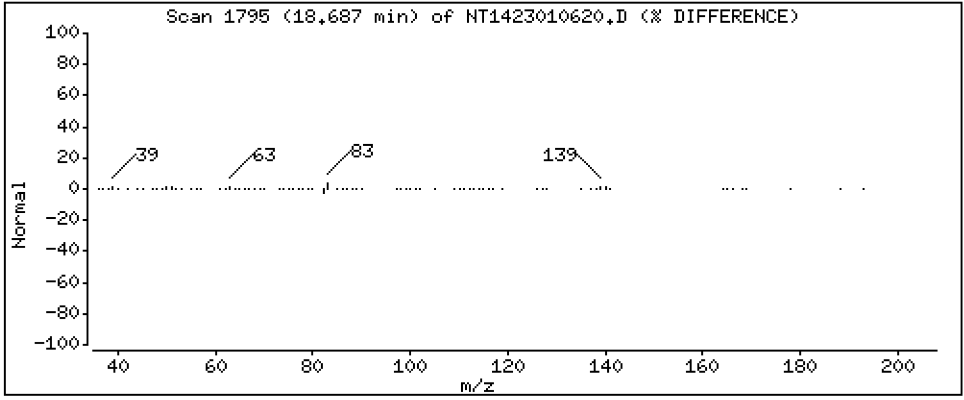
Column phase: ZB-5msi Column diameter: 0.25

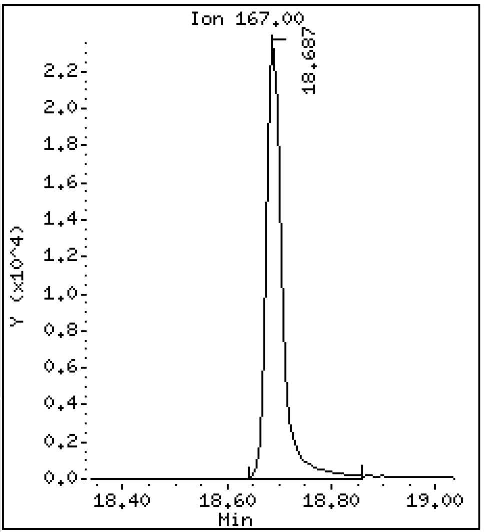
62 Carbazole Concentration: 0.4493 ug/mL

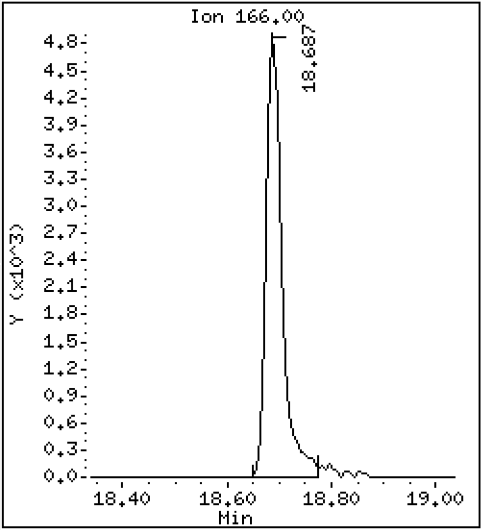

Scan 1795 (18.687 min) of NT1423010620.D

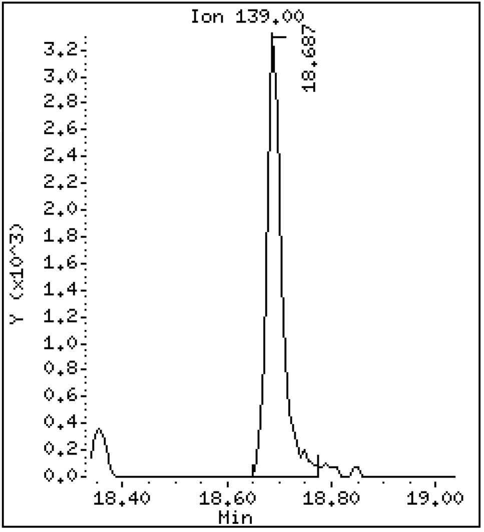

Scan 1795 (18.687 min) of NT1423010620.D (Subtracted)


62 Carbazole (Reference Spectrum)


Scan 1795 (18.687 min) of NT1423010620.D (% DIFFERENCE)


Ion 167.00


Ion 166.00


Ion 139.00

Data File: \\target\share\chem3\nt14.i\20230106.b\NT1423010620.D

Date : 06-JAN-2023 23:03

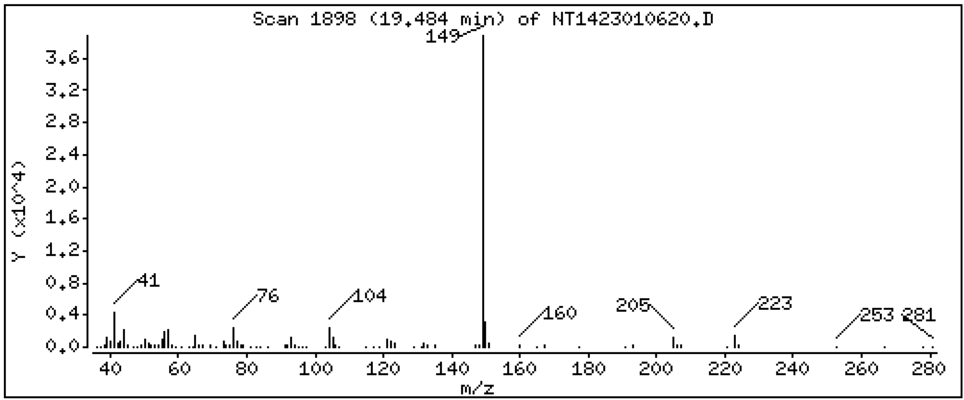
Client ID: Instrument: nt14.i

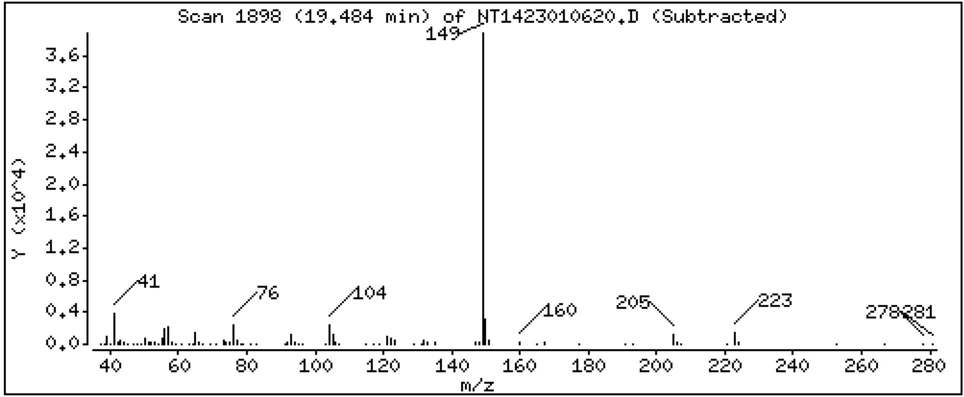
Sample Info: SLA0068-LCV2

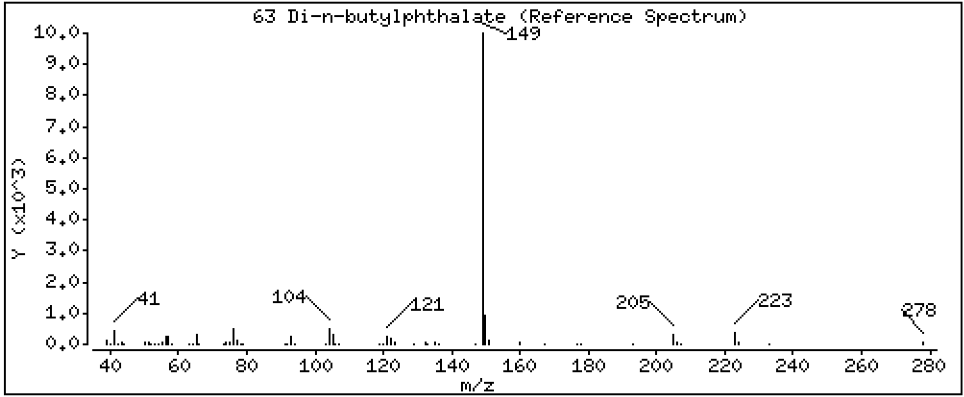
Operator: VTS

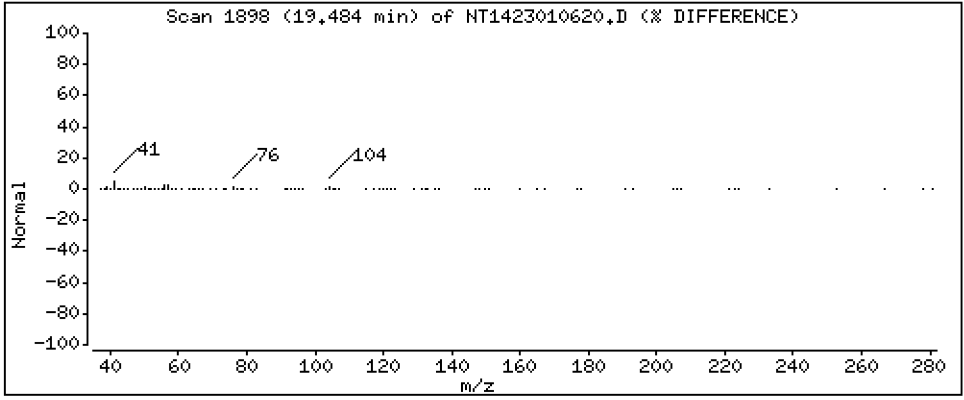
Column phase: ZB-5msi Column diameter: 0.25

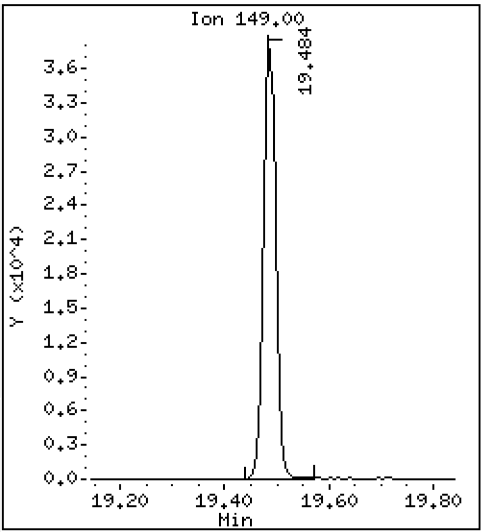
63 Di-n-butylphthalate Concentration: 0.4800 ug/mL

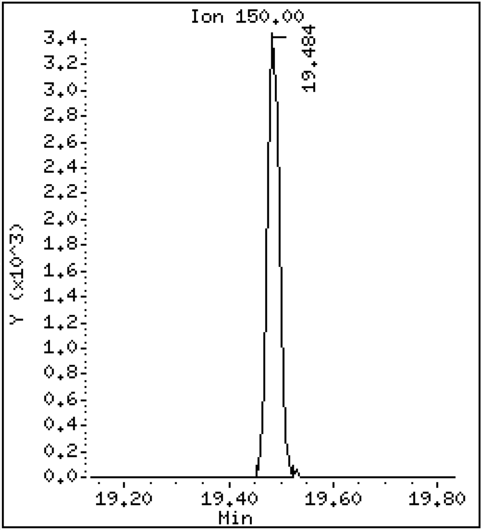


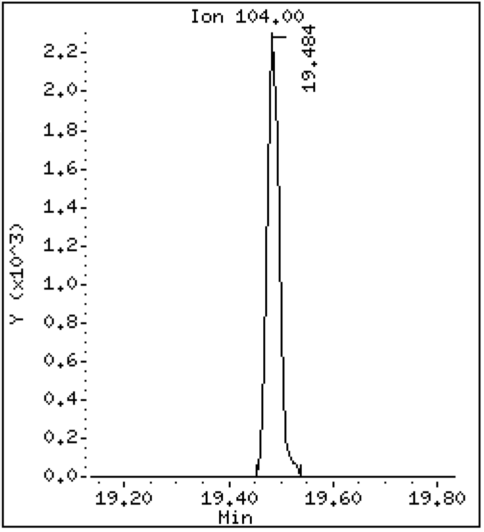












Data File: \\target\share\chem3\nt14.i\20230106.b\NT1423010620.D

Date : 06-JAN-2023 23:03

Client ID:

Instrument: nt14.i

Sample Info: SLA0068-LCV2

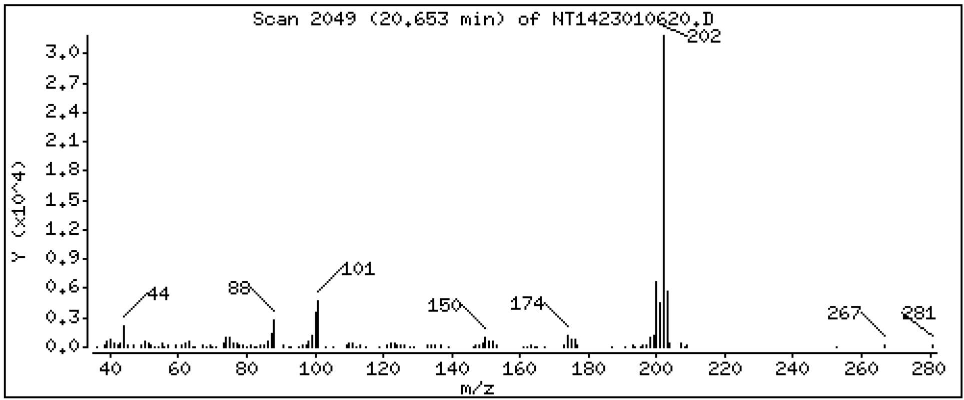
Operator: VTS

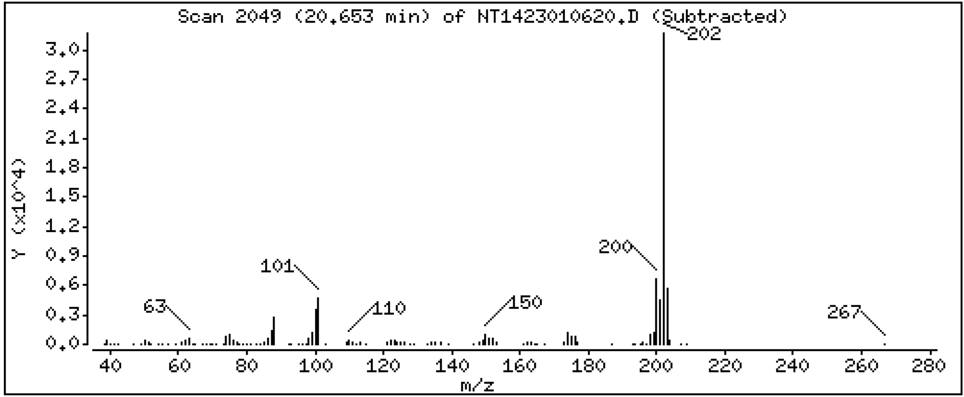
Column phase: ZB-5msi

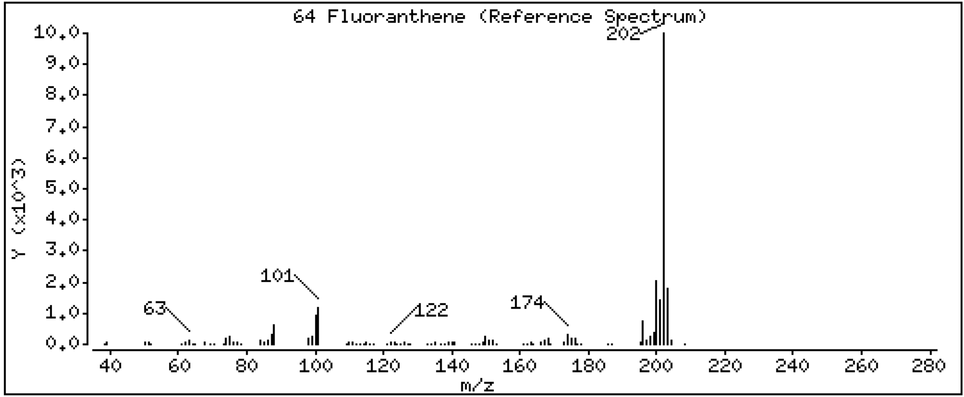
Column diameter: 0.25

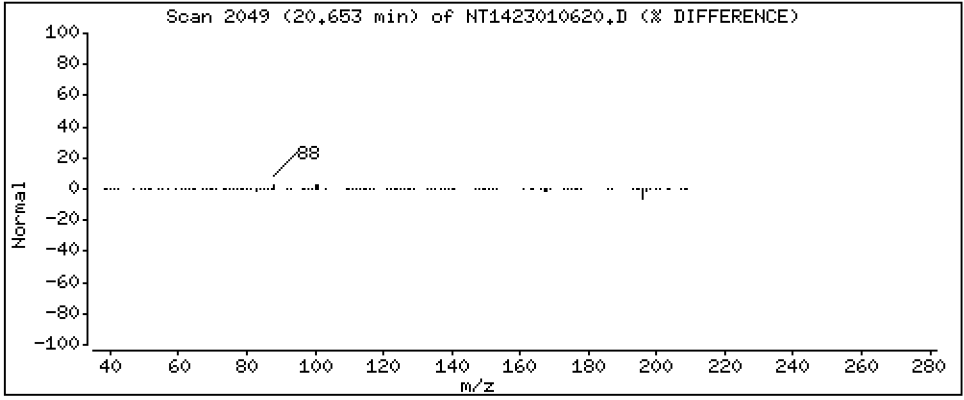
64 Fluoranthene

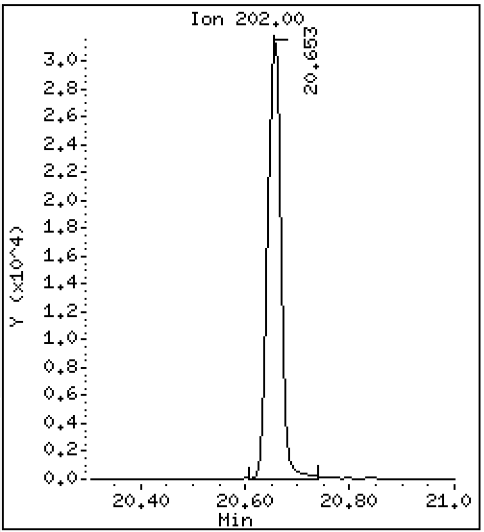
Concentration: 0.4778 ug/mL

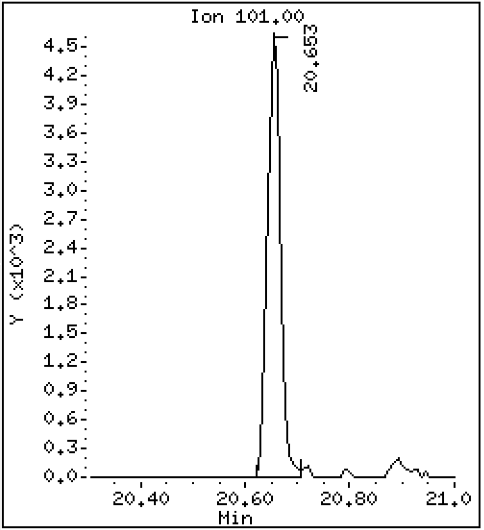

Scan 2049 (20.653 min) of NT1423010620.D

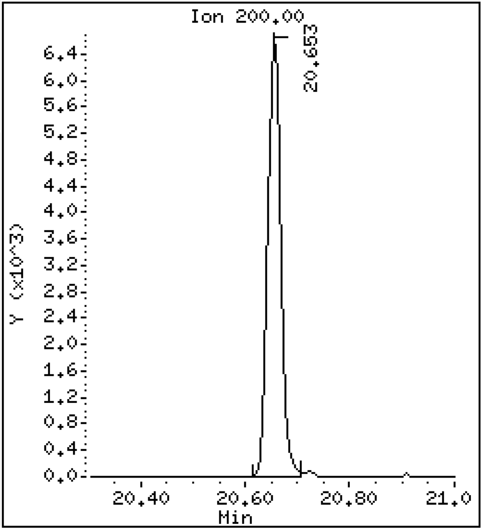

Scan 2049 (20.653 min) of NT1423010620.D (Subtracted)


64 Fluoranthene (Reference Spectrum)


Scan 2049 (20.653 min) of NT1423010620.D (% DIFFERENCE)


Ion 202.00


Ion 101.00


Ion 200.00

Date : 06-JAN-2023 23:03

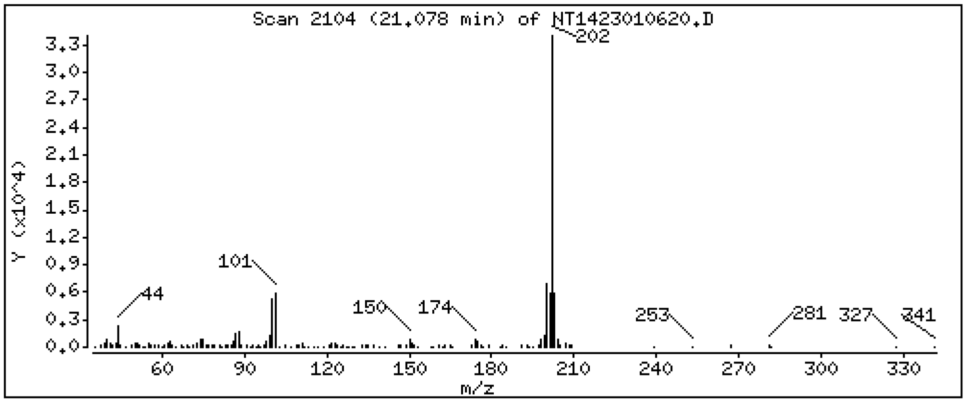
Client ID: Instrument: nt14.i

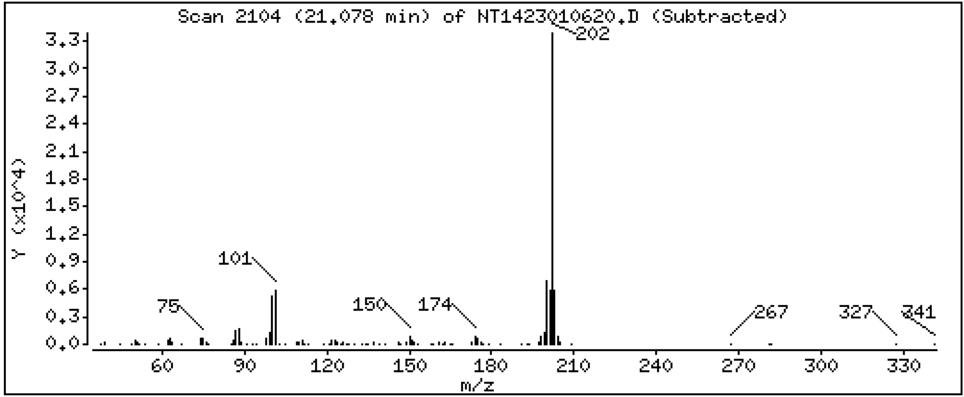
Sample Info: SLA0068-LCV2

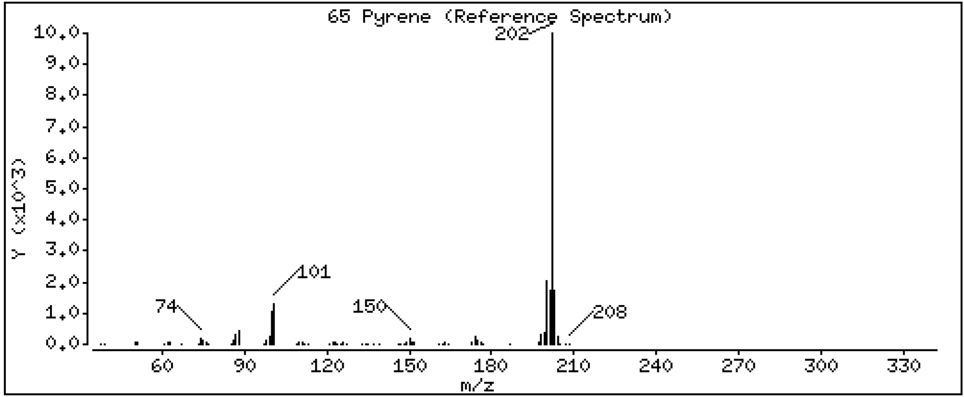
Operator: VTS

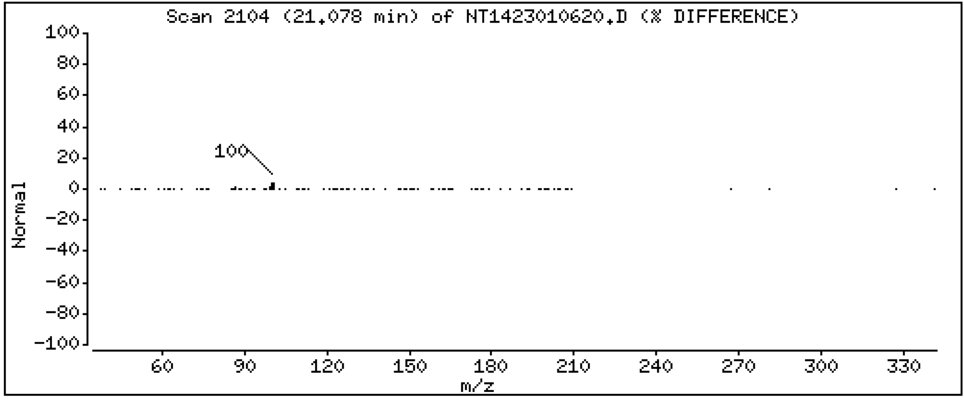
Column phase: ZB-5msi Column diameter: 0.25

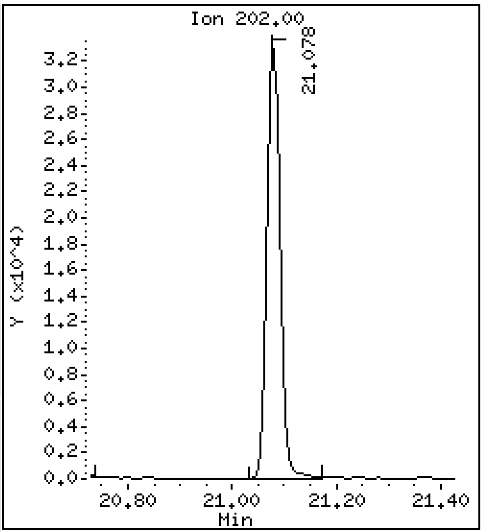
65 Pyrene Concentration: 0.4775 ug/mL

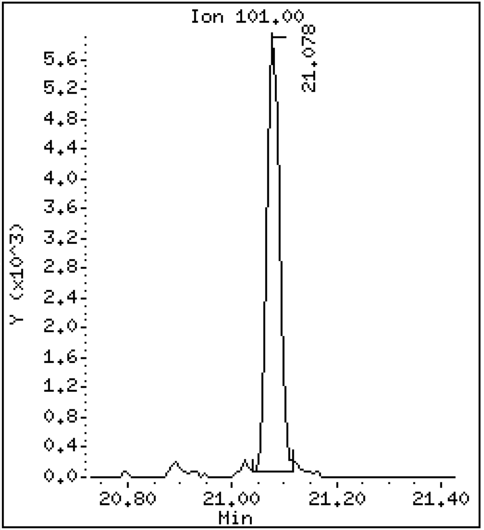

Scan 2104 (21.078 min) of NT1423010620.D

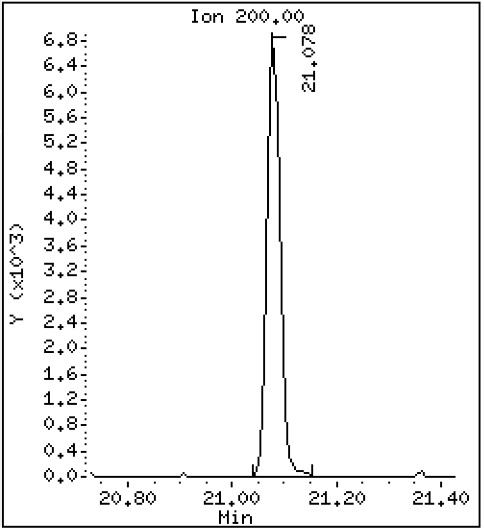

Scan 2104 (21.078 min) of NT1423010620.D (Subtracted)


65 Pyrene (Reference Spectrum)


Scan 2104 (21.078 min) of NT1423010620.D (% DIFFERENCE)


Ion 202.00


Ion 101.00


Ion 200.00

Data File: \\target\share\chem3\nt14.i\20230106.b\NT1423010620.D

Date : 06-JAN-2023 23:03

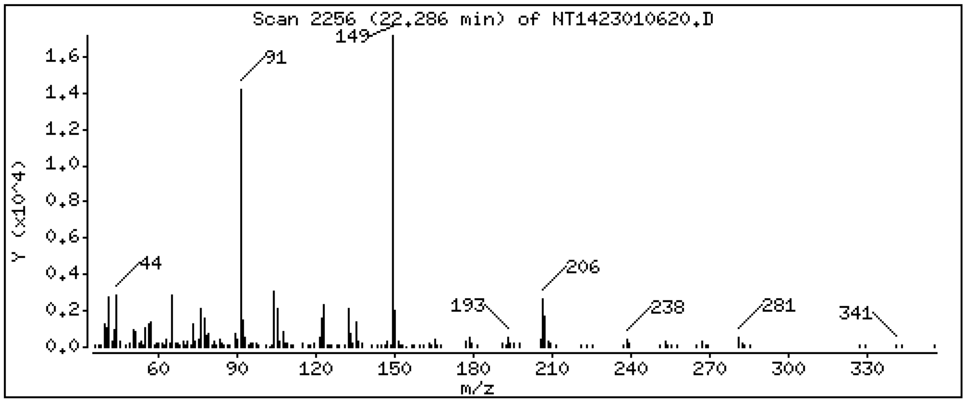
Client ID: Instrument: nt14.i

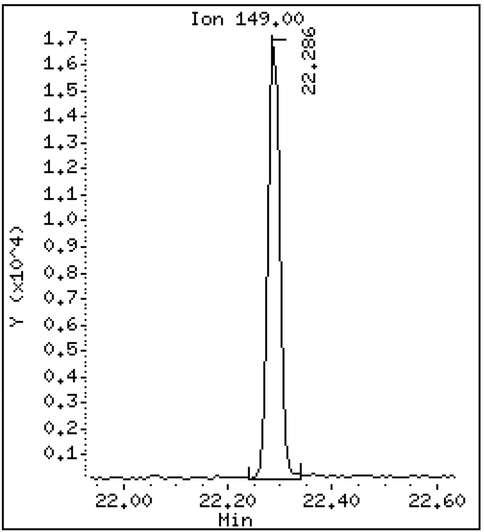
Sample Info: SLA0068-LCV2

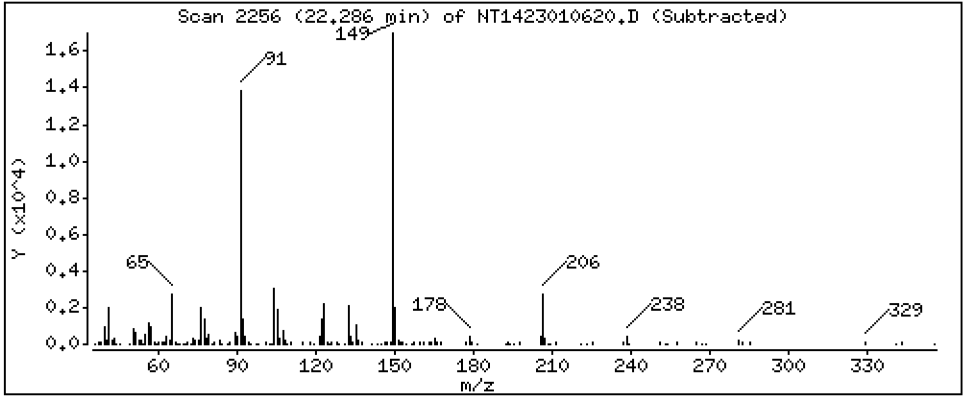
Operator: VTS

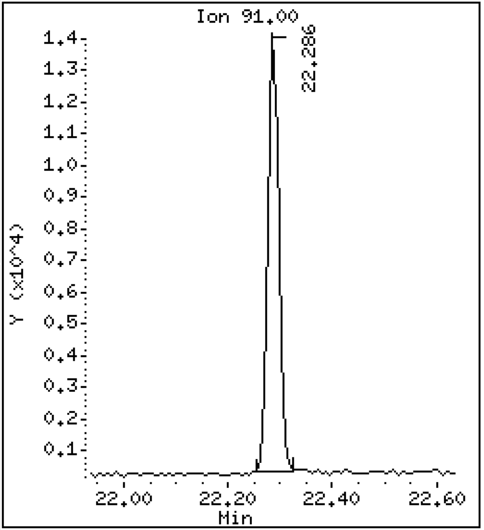
Column phase: ZB-5msi Column diameter: 0.25

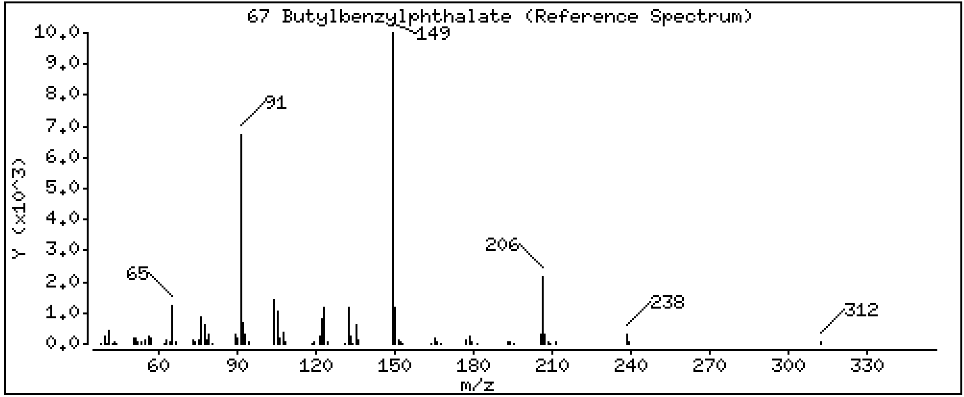
67 Butylbenzylphthalate Concentration: 0.5680 ug/mL

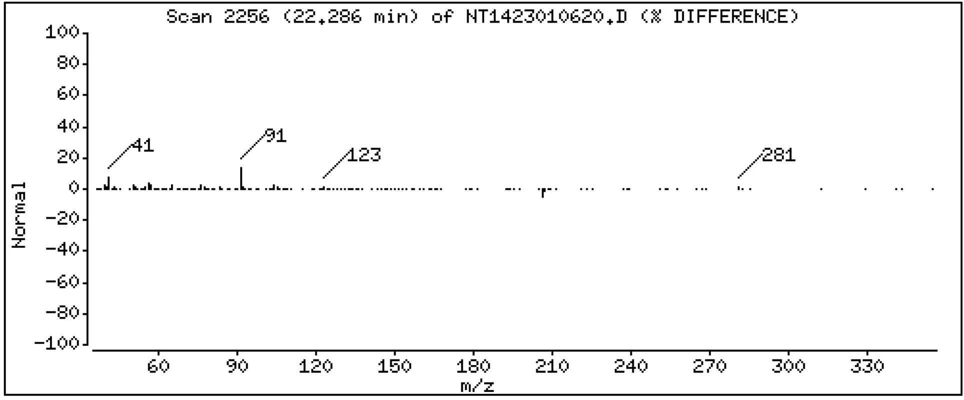


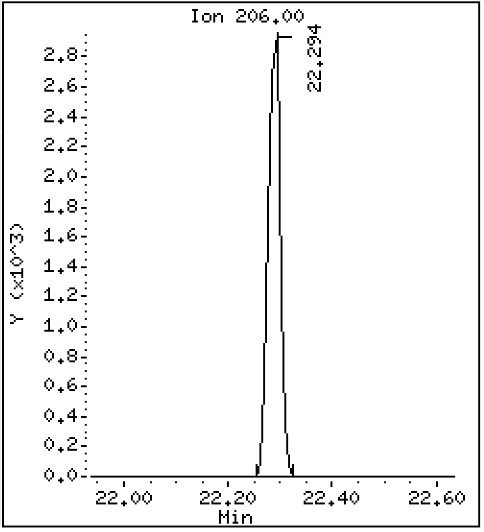












Date : 06-JAN-2023 23:03

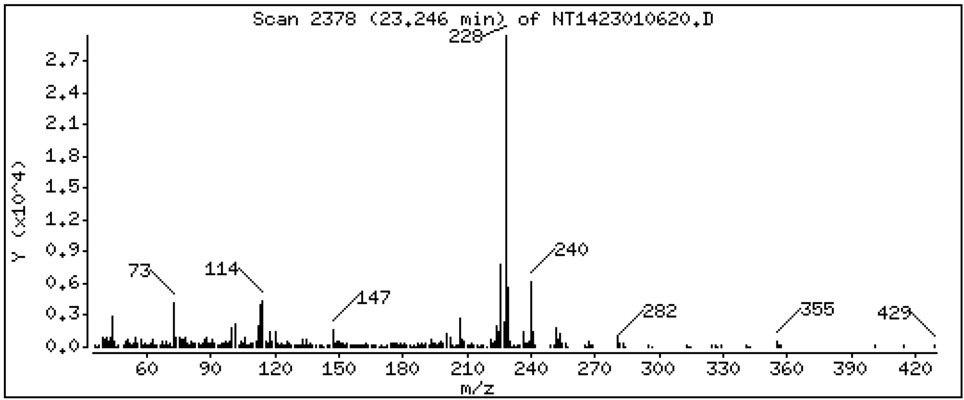
Client ID: Instrument: nt14.i

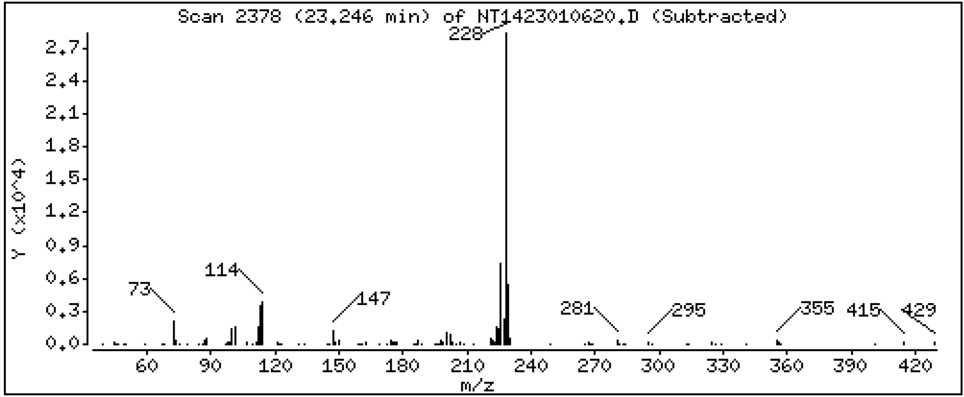
Sample Info: SLA0068-LCV2

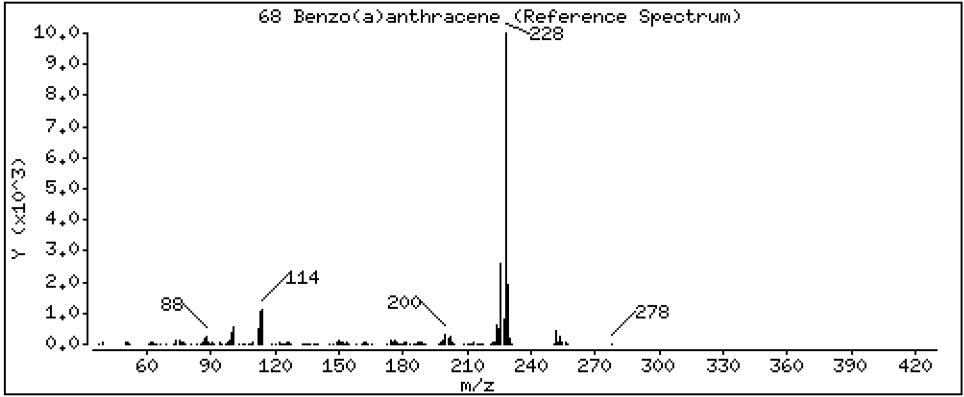
Operator: VTS

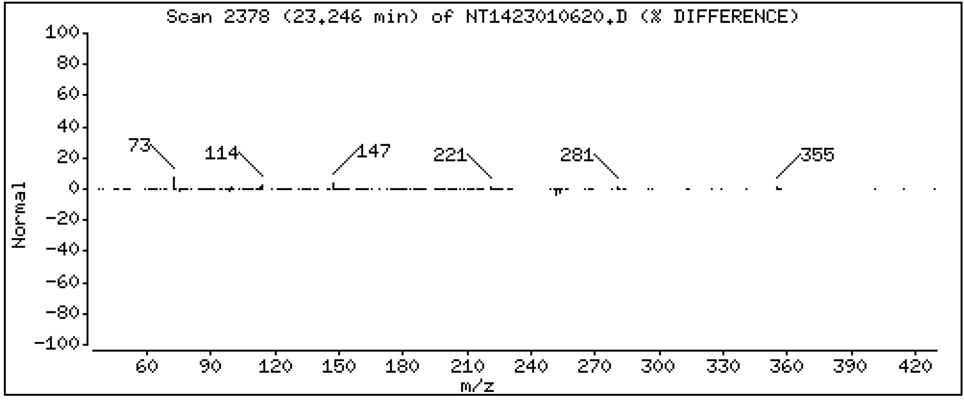
Column phase: ZB-5msi Column diameter: 0.25

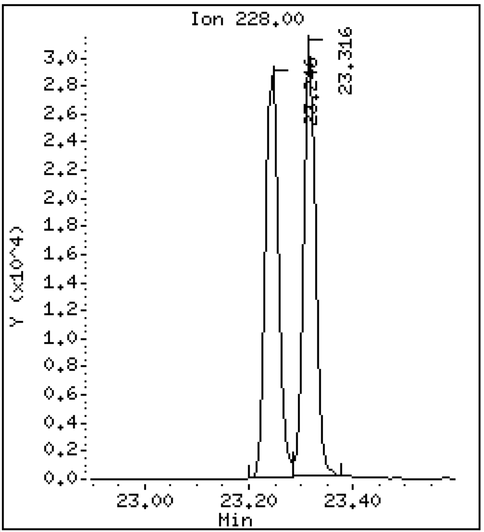
68 Benzo(a)anthracene Concentration: 0.4619 ug/mL

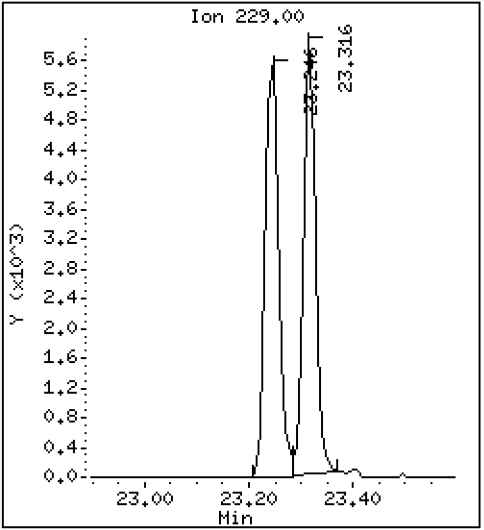

Scan 2378 (23.246 min) of NT1423010620.D


Scan 2378 (23.246 min) of NT1423010620.D (Subtracted)


68 Benzo(a)anthracene (Reference Spectrum)


Scan 2378 (23.246 min) of NT1423010620.D (% DIFFERENCE)


Ion 228.00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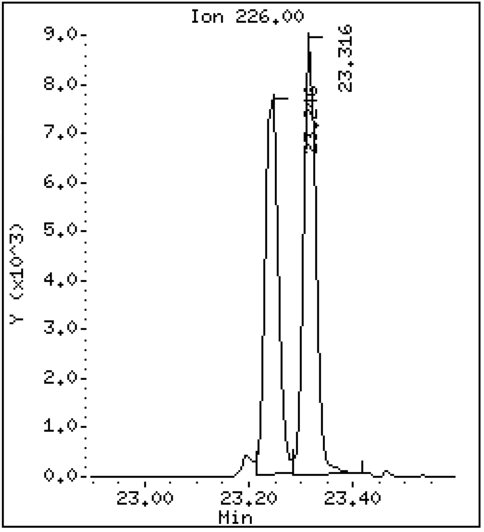

Ion 226.00

Data File: \\target\share\chem3\nt14.i\20230106.b\NT1423010620.D

Date : 06-JAN-2023 23:03

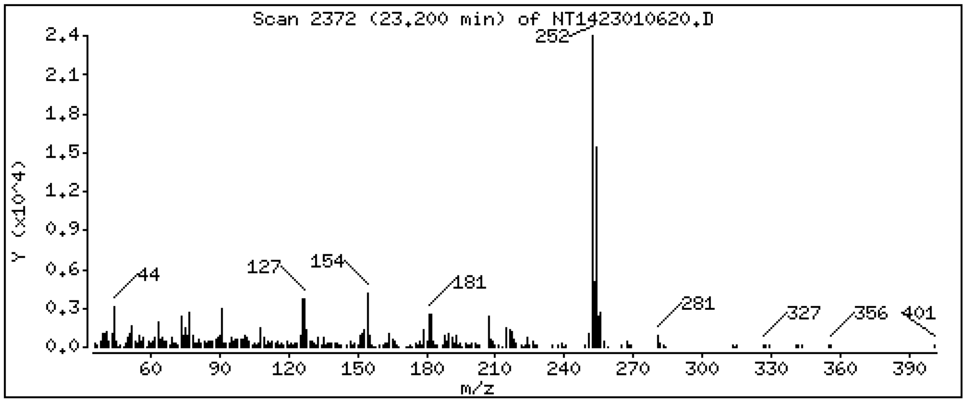
Client ID: Instrument: nt14.i

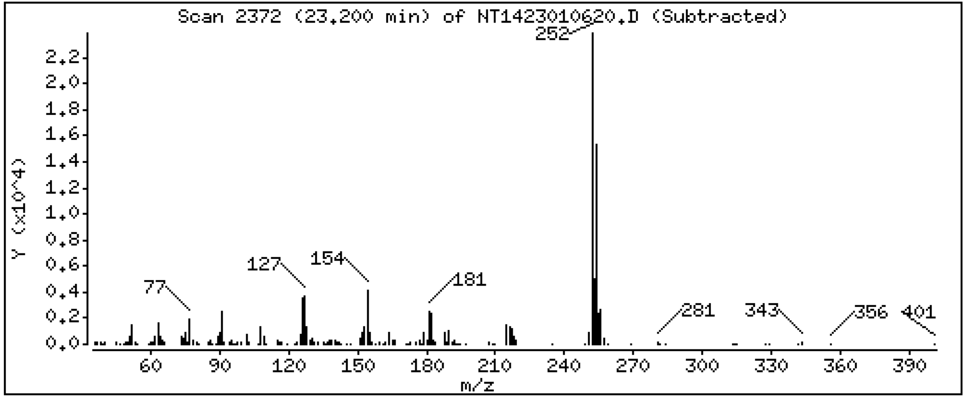
Sample Info: SLA0068-LCV2

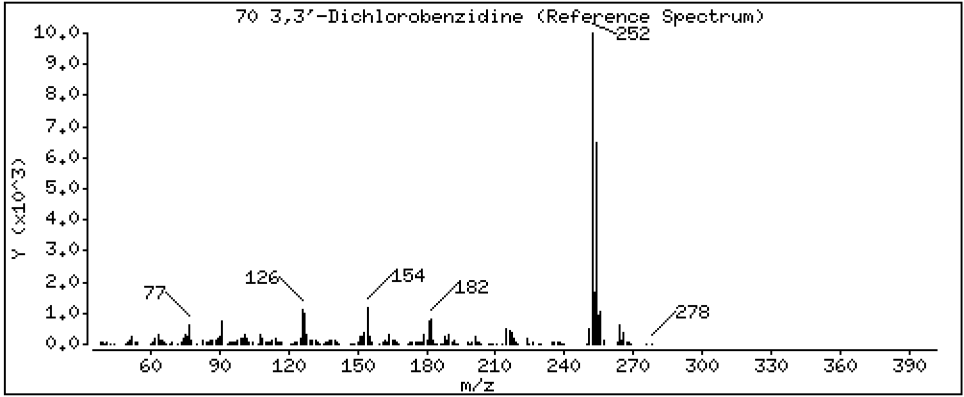
Operator: VTS

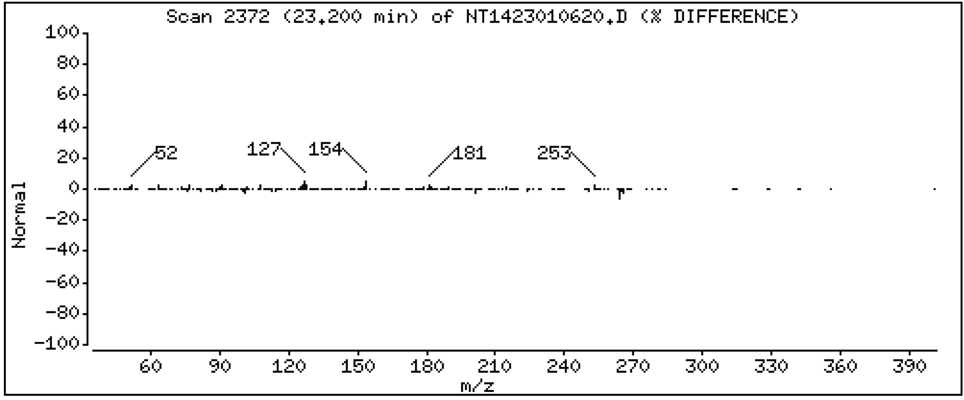
Column phase: ZB-5msi Column diameter: 0.25

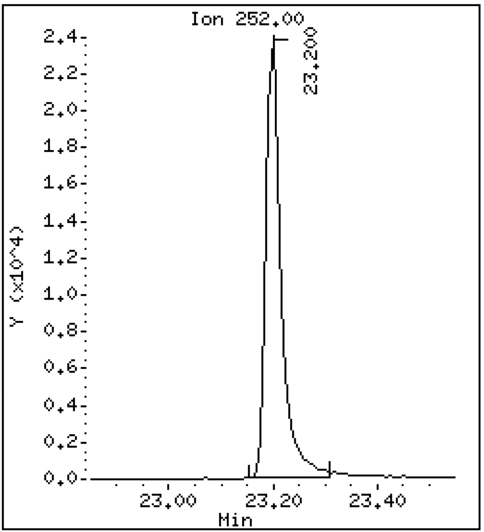
70 3,3'-Dichlorobenzidine Concentration: 1.470 ug/mL

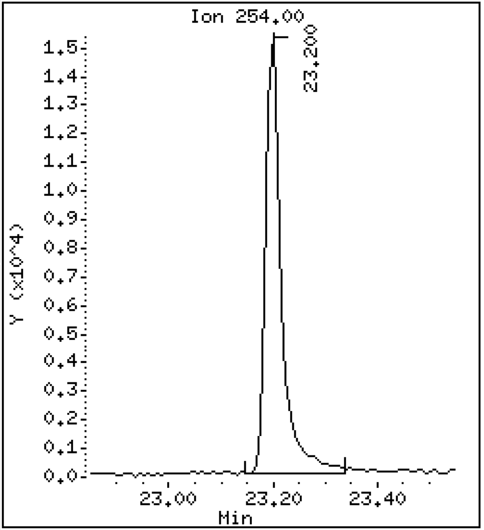

Scan 2372 (23.200 min) of NT1423010620.D

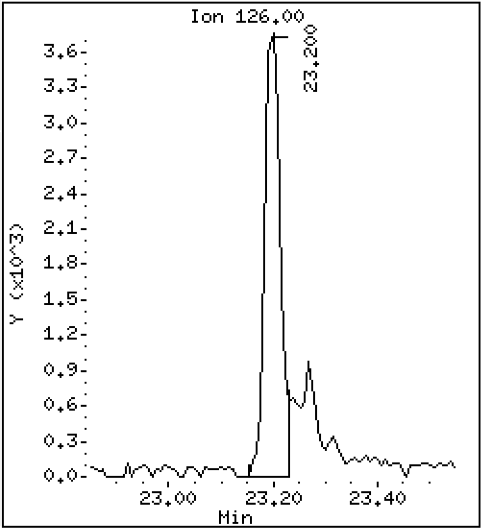

Scan 2372 (23.200 min) of NT1423010620.D (Subtracted)


70 3,3'-Dichlorobenzidine (Reference Spectrum)


Scan 2372 (23.200 min) of NT1423010620.D (% DIFFERENCE)


Ion 252.00


Ion 254.00


Ion 126.00

Data File: \\target\share\chem3\nt14.i\20230106.b\NT1423010620.D

Date : 06-JAN-2023 23:03

Client ID:

Instrument: nt14.i

Sample Info: SLA0068-LCV2

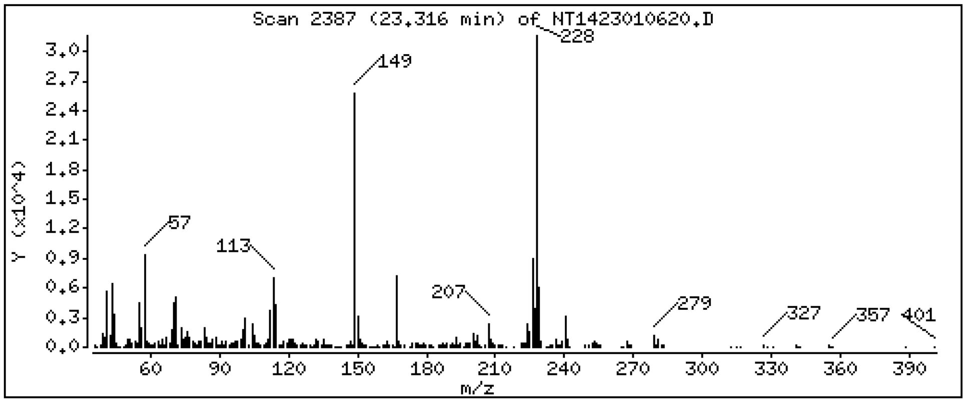
Operator: VTS

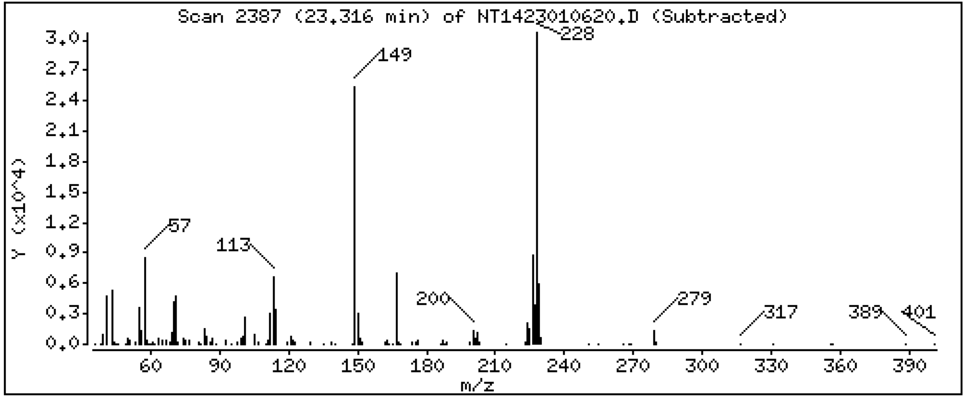
Column phase: ZB-5msi

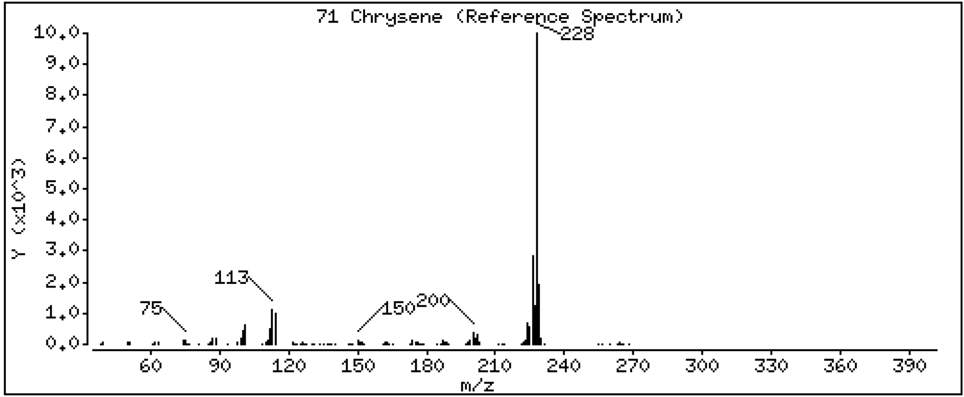
Column diameter: 0.25

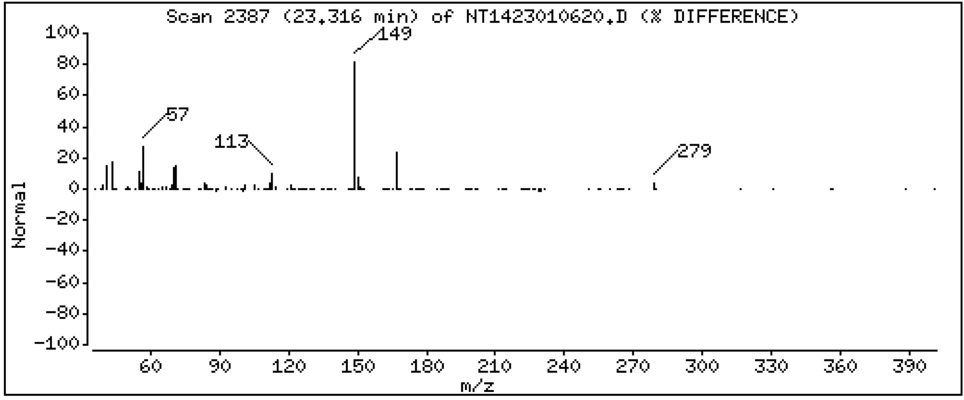
71 Chrysene

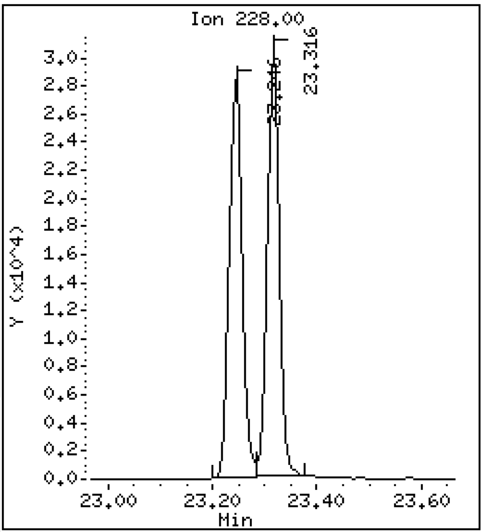
Concentration: 0.4589 ug/mL


Scan 2387 (23.316 min) of NT1423010620.D


Scan 2387 (23.316 min) of NT1423010620.D (Subtracted)


71 Chrysene (Reference Spectrum)


Scan 2387 (23.316 min) of NT1423010620.D (% DIFFERENCE)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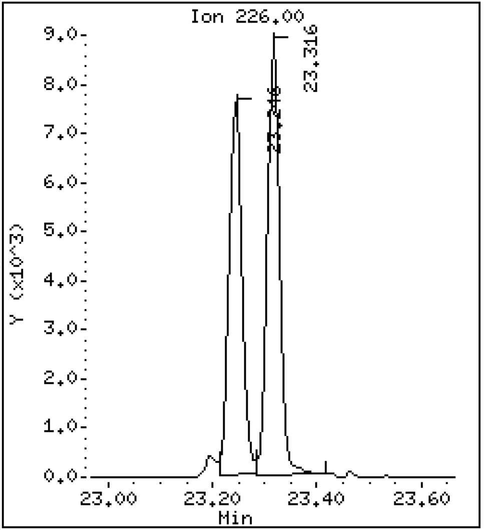
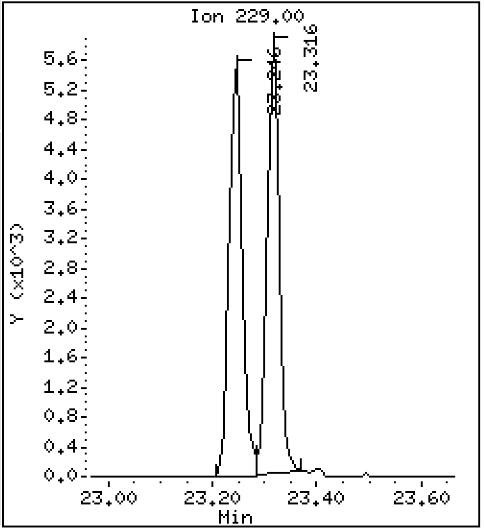

Ion 226.00


Ion 229.00

Data File: \\target\share\chem3\nt14.i\20230106.b\NT1423010620.D

Date : 06-JAN-2023 23:03

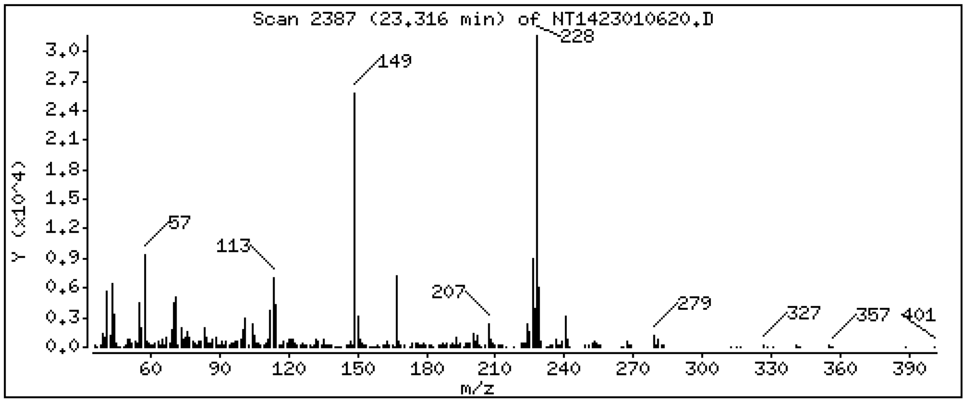
Client ID: Instrument: nt14.i

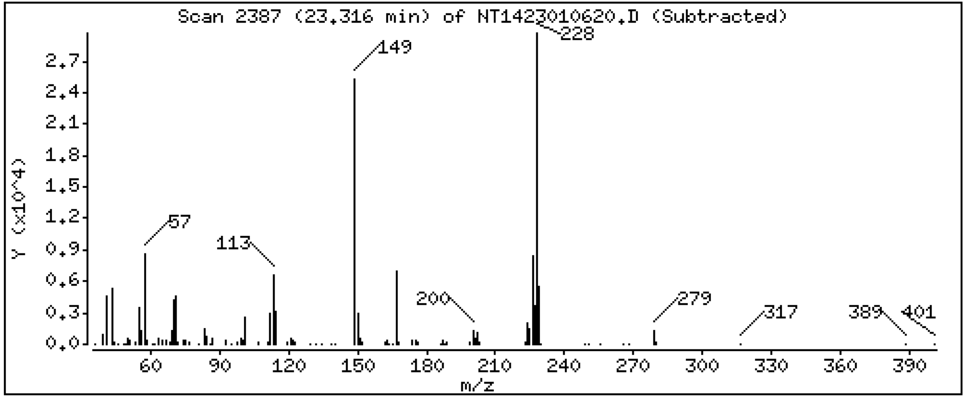
Sample Info: SLA0068-LCV2

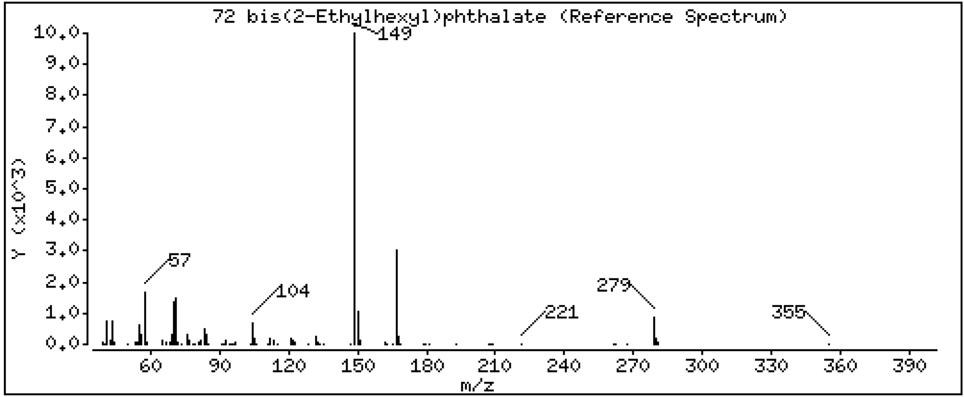
Operator: VTS

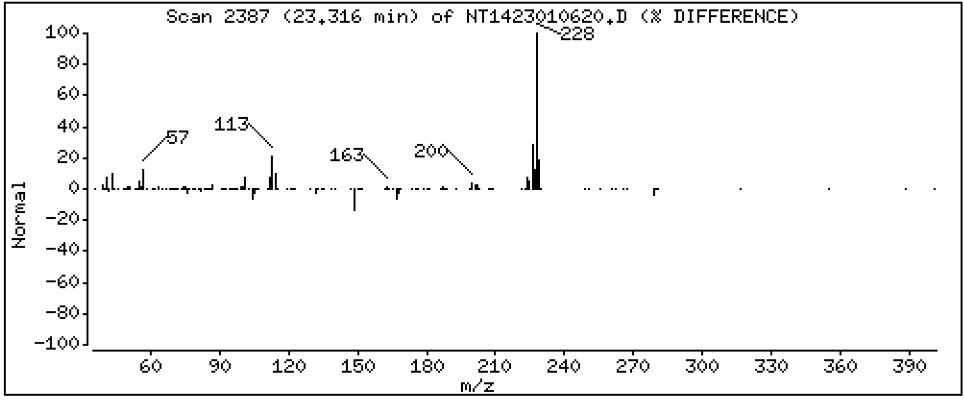
Column phase: ZB-5msi Column diameter: 0.25

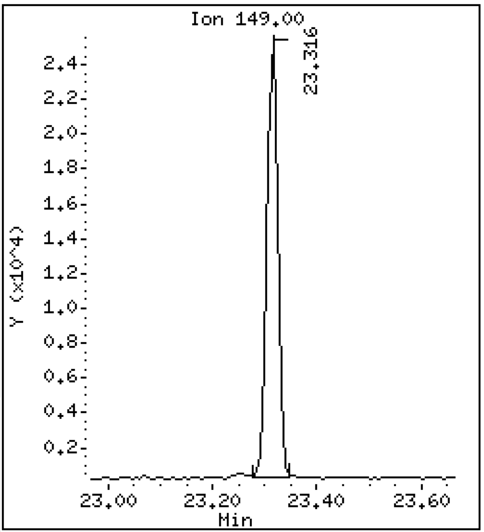
72 bis(2-Ethylhexyl)phthalate Concentration: 0.5058 ug/mL

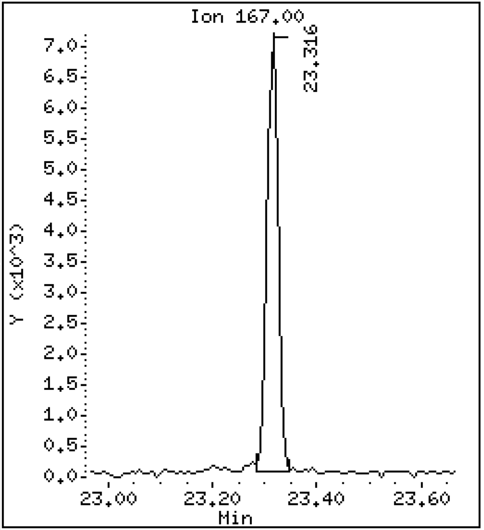


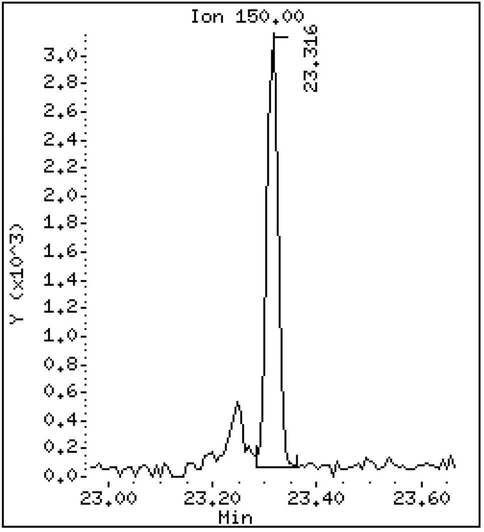












Data File: \\target\share\chem3\nt14.i\20230106.b\NT1423010620.D

Date : 06-JAN-2023 23:03

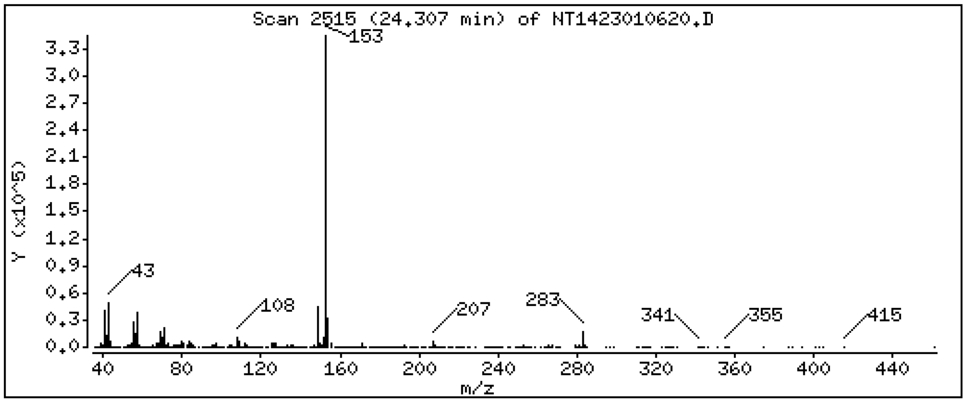
Client ID: Instrument: nt14.i

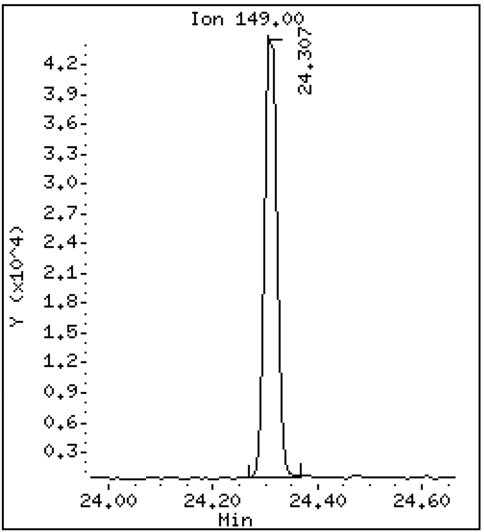
Sample Info: SLA0068-LCV2

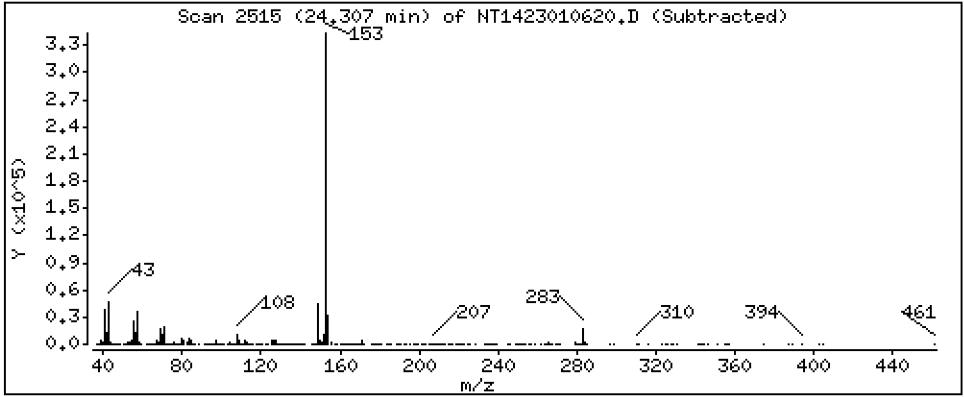
Operator: VTS

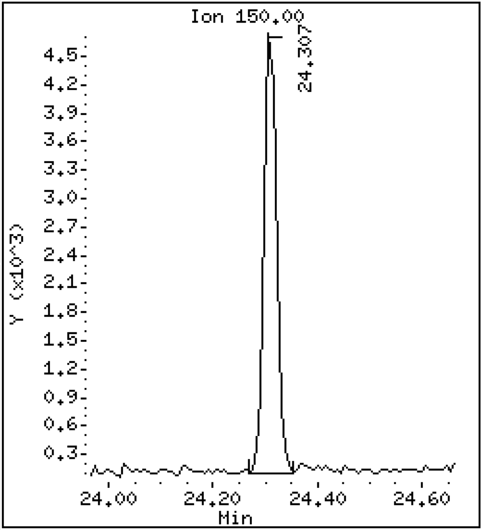
Column phase: ZB-5msi Column diameter: 0.25

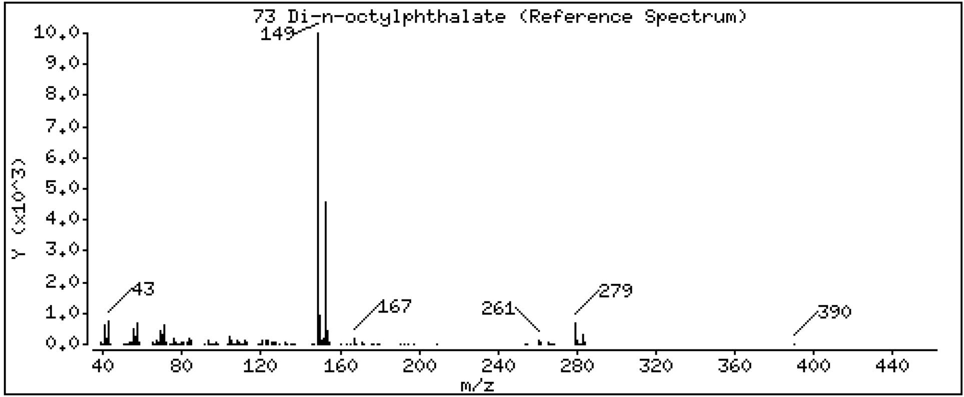
73 Di-n-octylphthalate Concentration: 0.4726 ug/mL

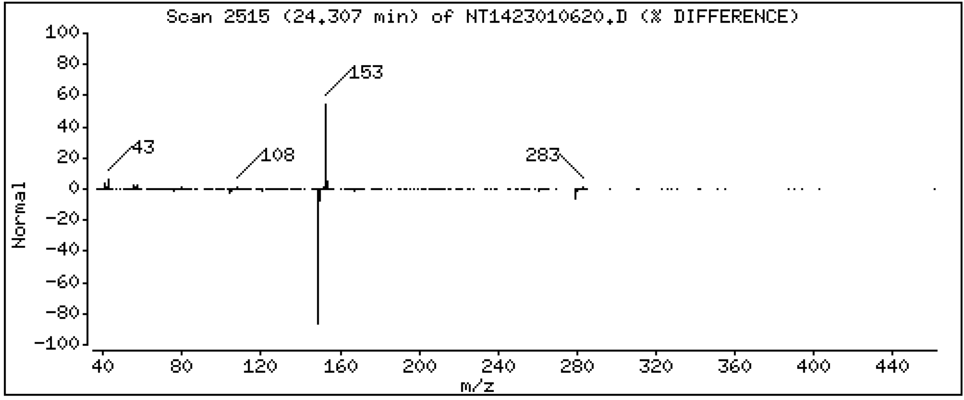

Scan 2515 (24.307 min) of NT1423010620.D

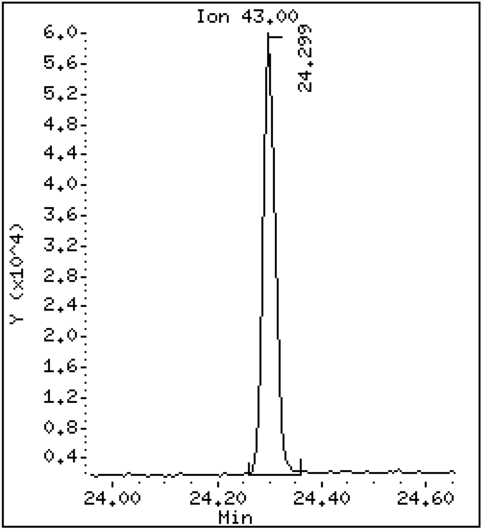

Ion 149.00


Scan 2515 (24.307 min) of NT1423010620.D (Subtracted)


Ion 150.00


73 Di-n-octylphthalate (Reference Spectrum)


Scan 2515 (24.307 min) of NT1423010620.D (% DIFFERENCE)


Ion 43.00

Date : 06-JAN-2023 23:03

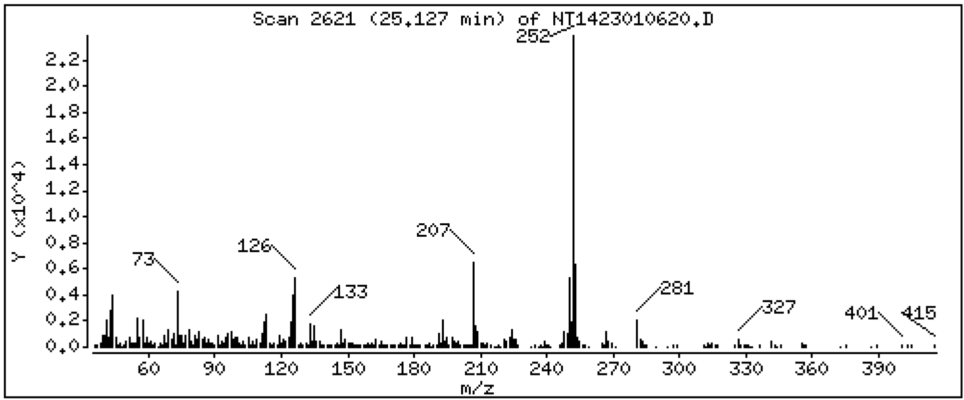
Client ID: Instrument: nt14.i

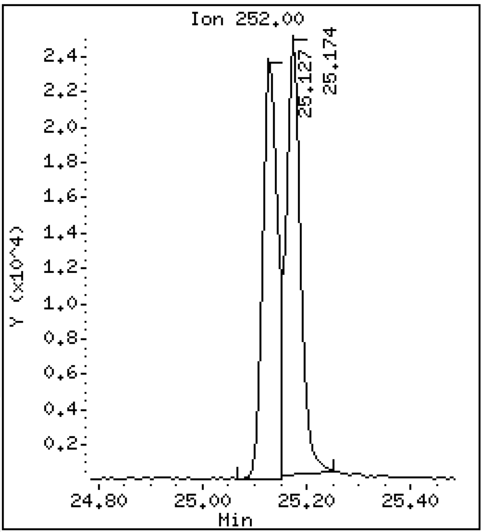
Sample Info: SLA0068-LCV2

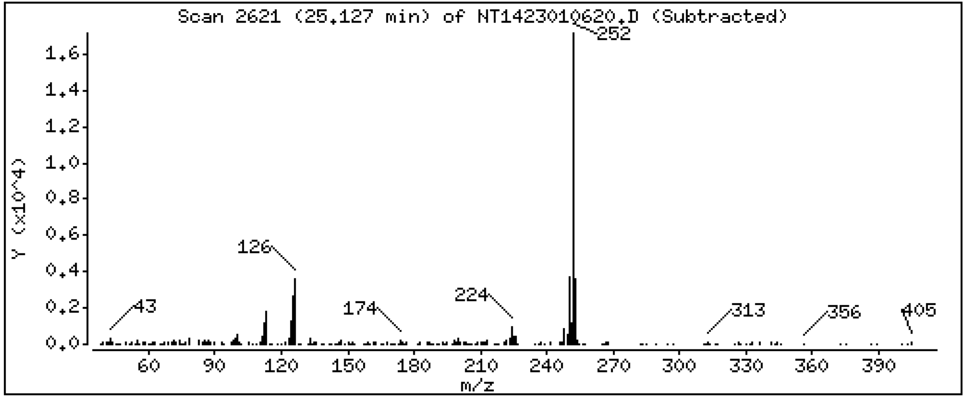
Operator: VTS

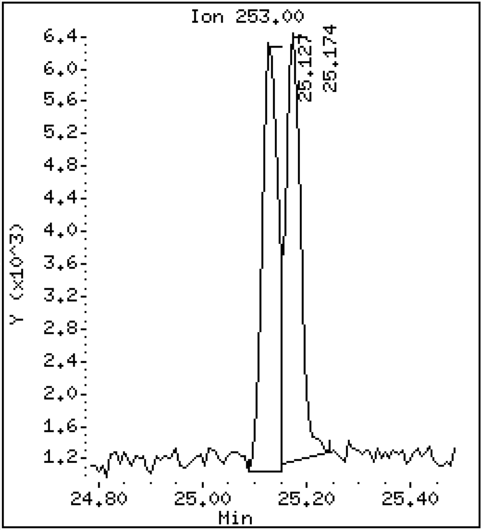
Column phase: ZB-5msi Column diameter: 0.25

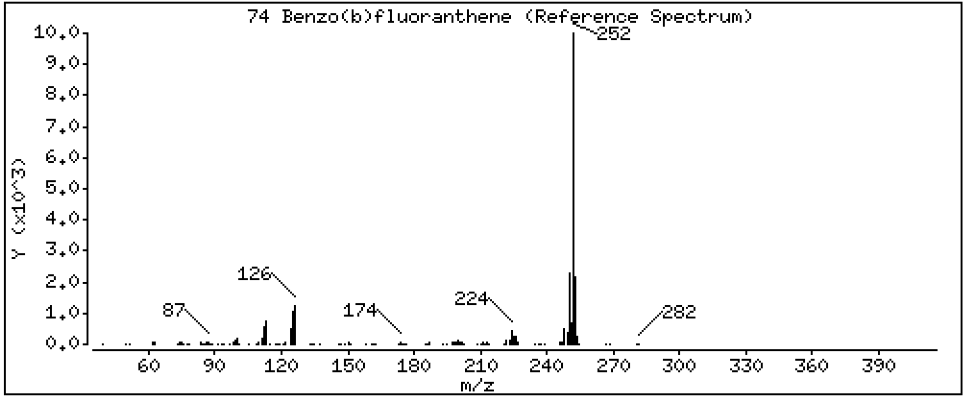
74 Benzo(b)fluoranthene Concentration: 0.4056 ug/mL

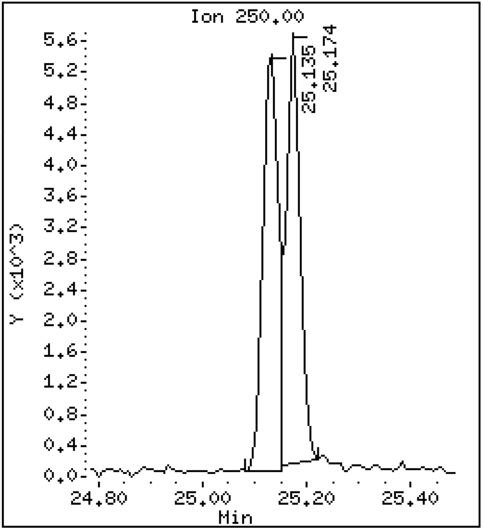


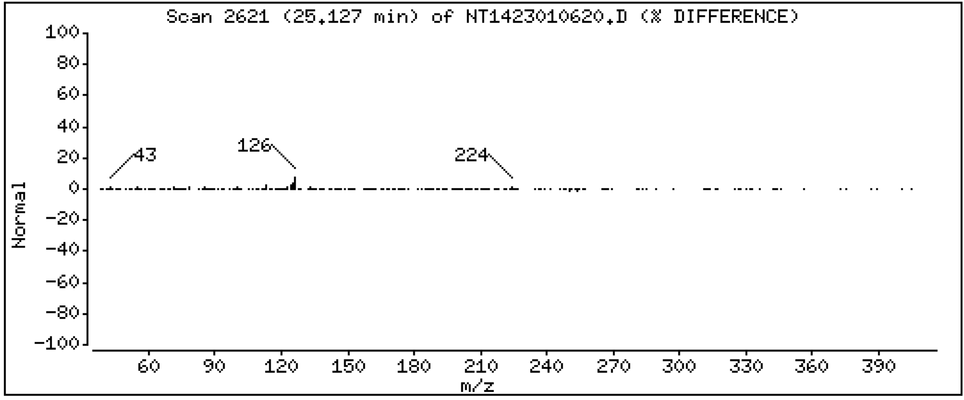












Data File: \\target\share\chem3\nt14.i\20230106.b\NT1423010620.D

Date : 06-JAN-2023 23:03

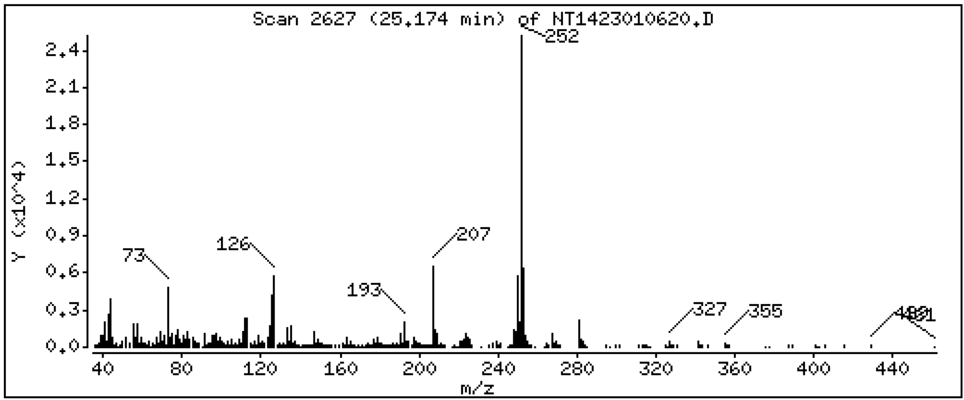
Client ID: Instrument: nt14.i

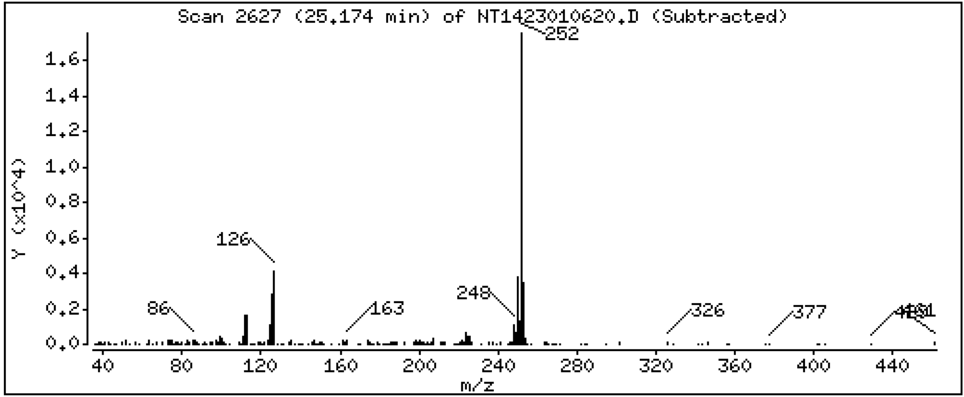
Sample Info: SLA0068-LCV2

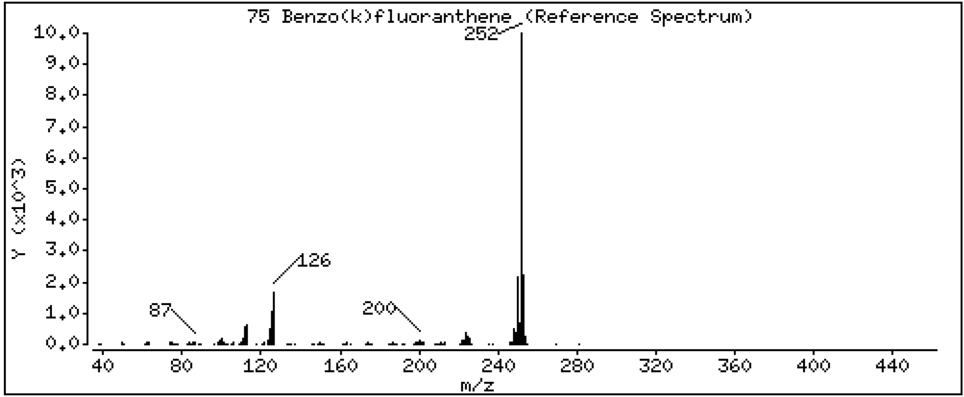
Operator: VTS

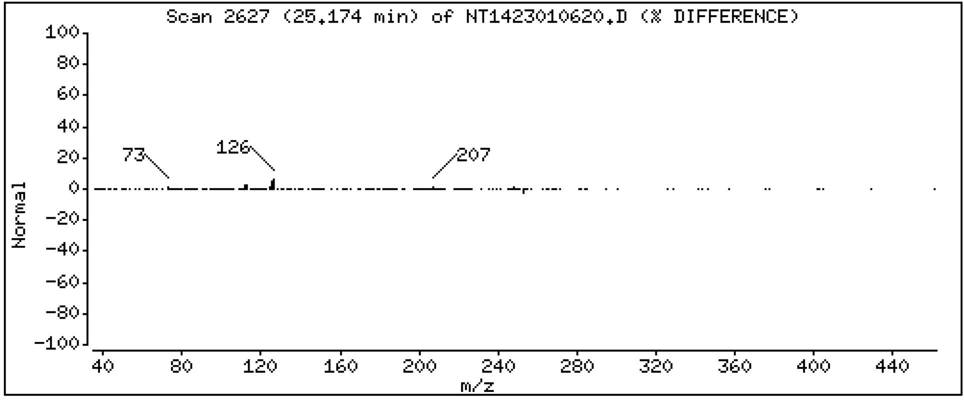
Column phase: ZB-5msi Column diameter: 0.25

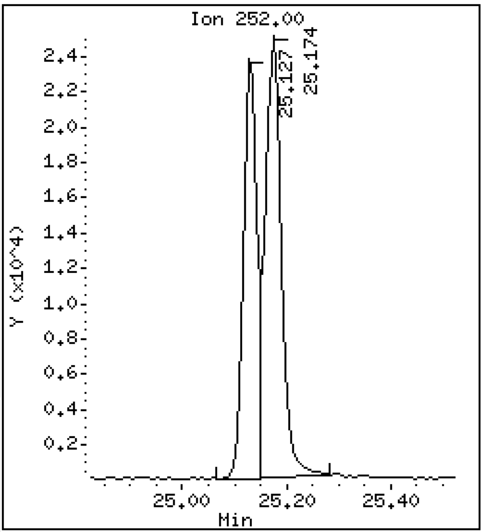
75 Benzo(k)fluoranthene Concentration: 0.4634 ug/mL

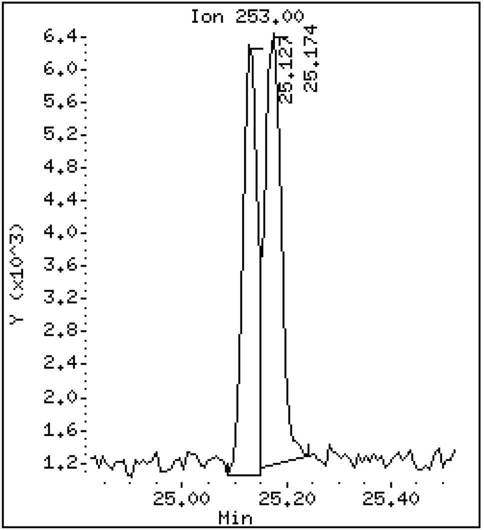


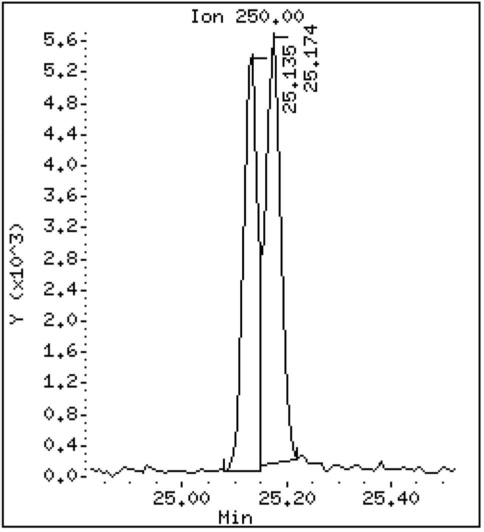












Data File: \\target\share\chem3\nt14.i\20230106.b\NT1423010620.D

Date : 06-JAN-2023 23:03

Client ID:

Instrument: nt14.i

Sample Info: SLA0068-LCV2

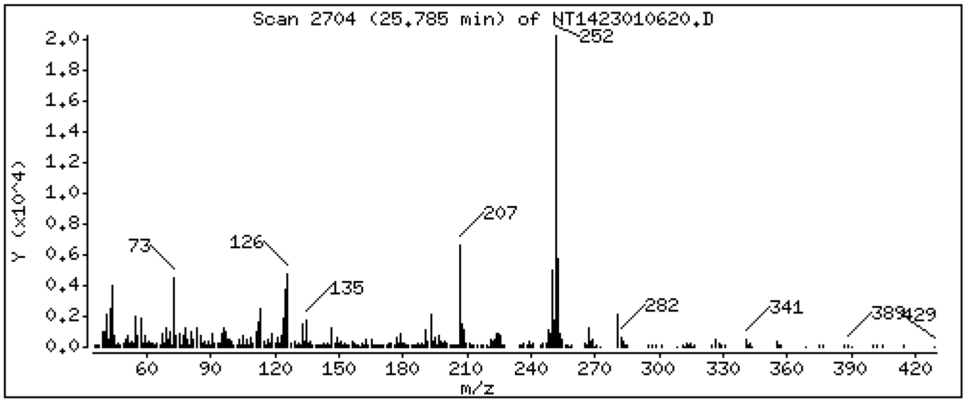
Operator: VTS

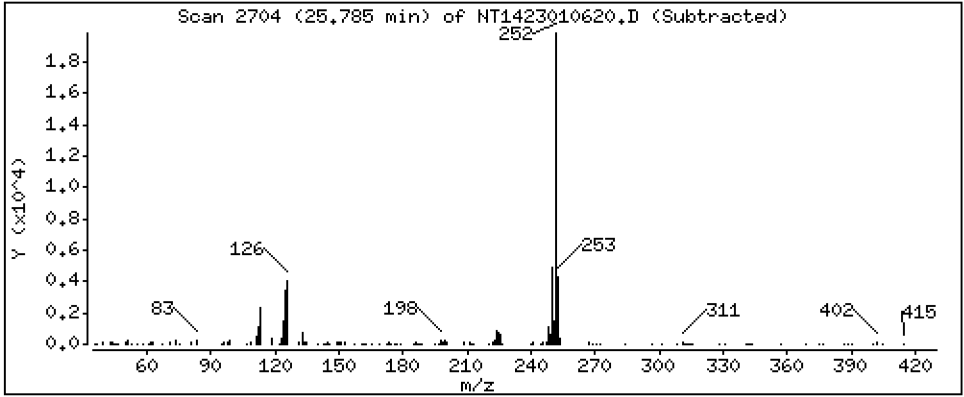
Column phase: ZB-5msi

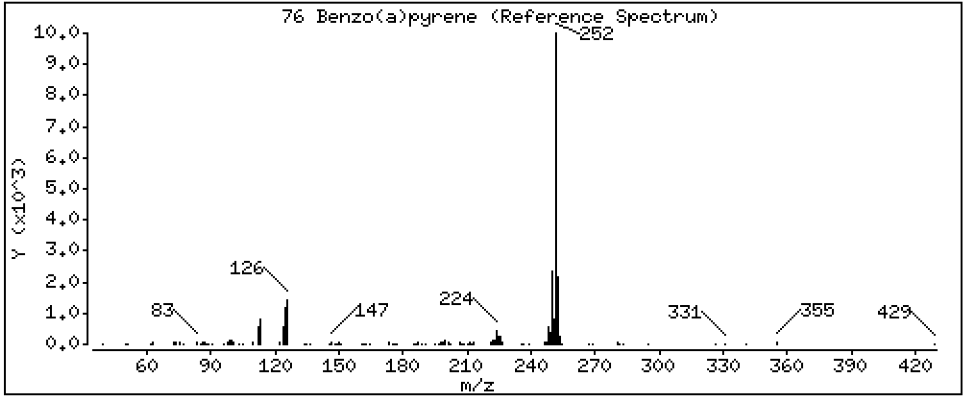
Column diameter: 0.25

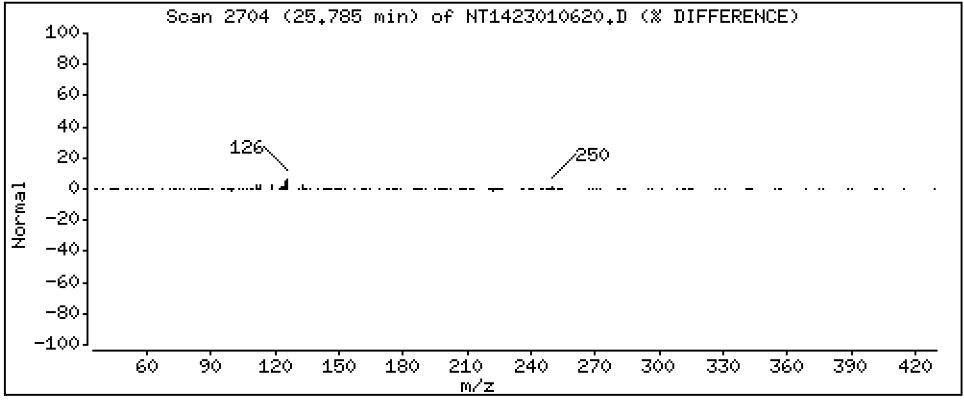
76 Benzo(a)pyrene

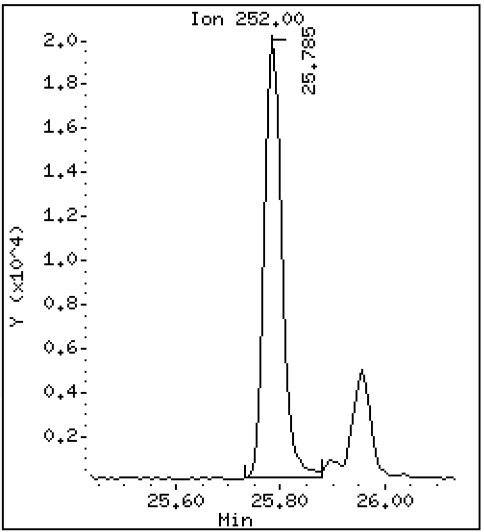
Concentration: 0.4789 ug/mL

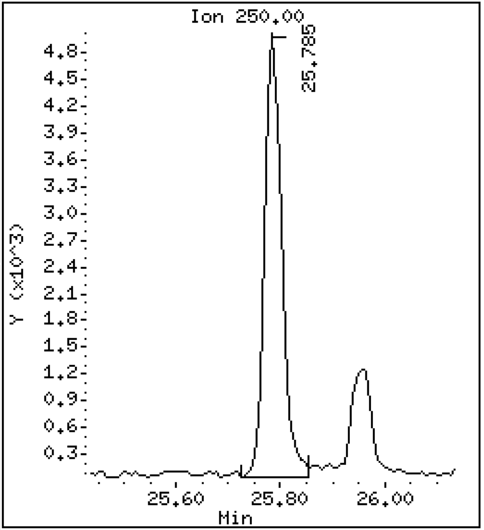


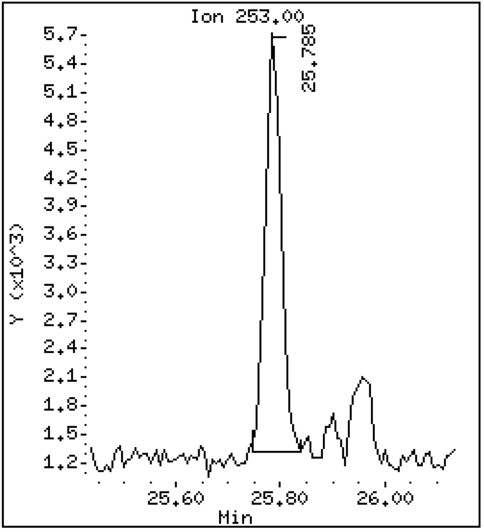












Data File: \\target\share\chem3\nt14.i\20230106.b\NT1423010620.D

Date : 06-JAN-2023 23:03

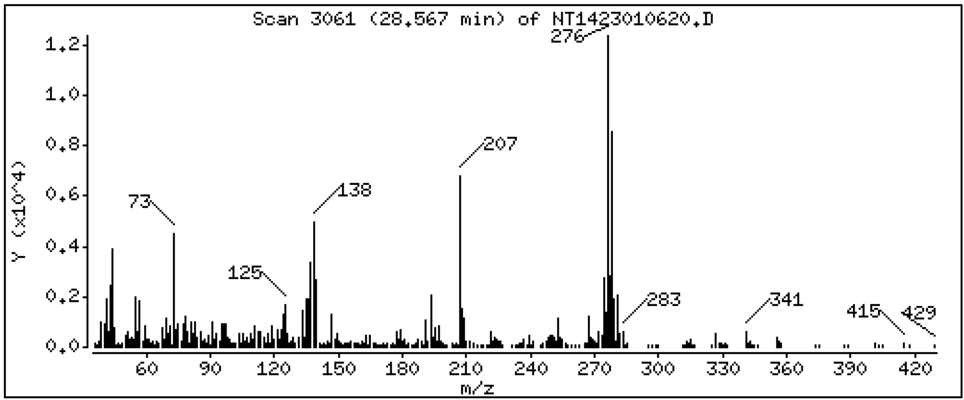
Client ID: Instrument: nt14.i

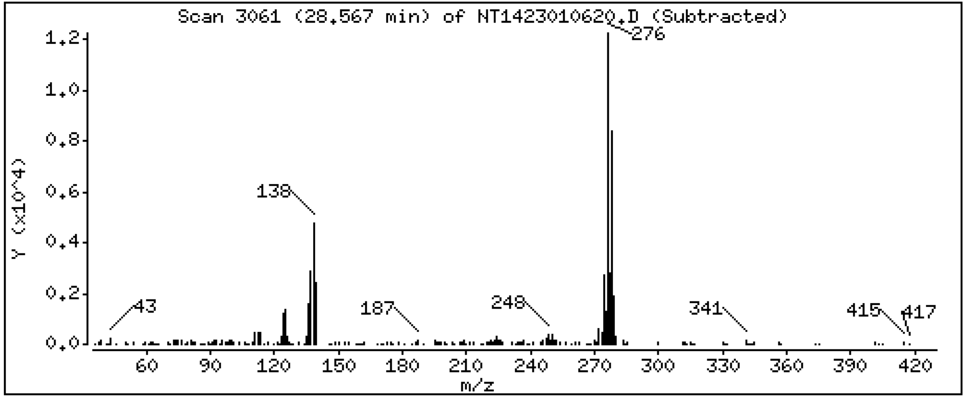
Sample Info: SLA0068-LCV2

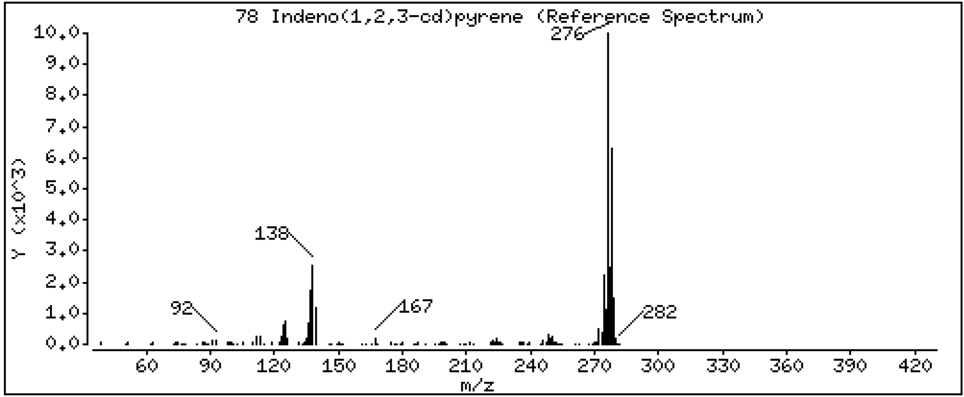
Operator: VTS

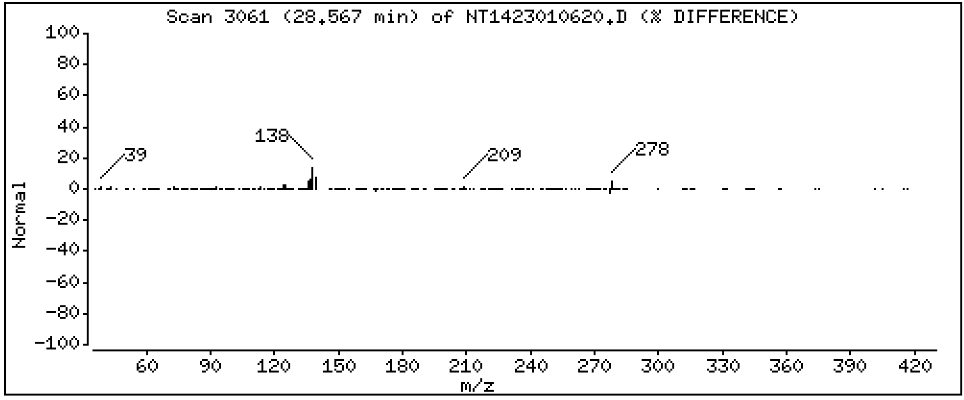
Column phase: ZB-5msi Column diameter: 0.25

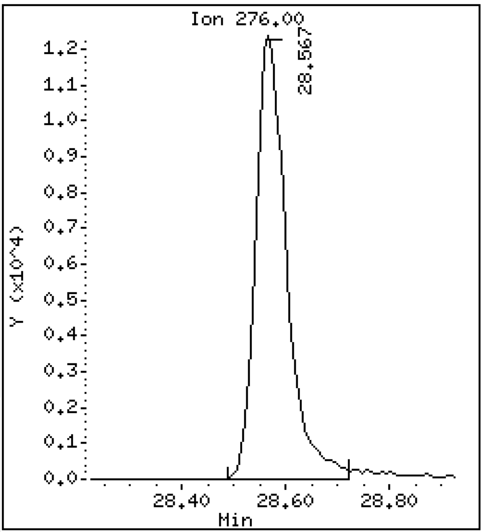
78 Indeno(1,2,3-cd)pyrene Concentration: 0.4768 ug/mL

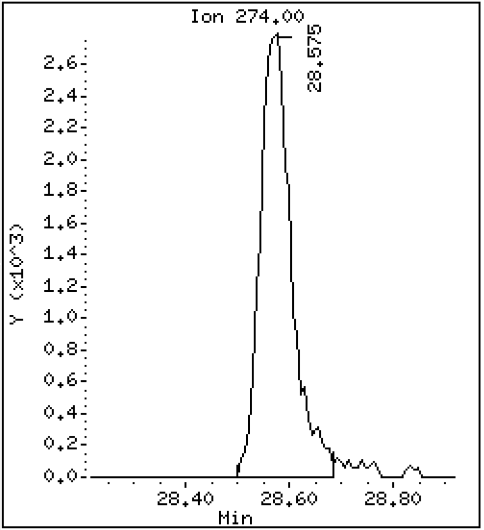

Scan 3061 (28.567 min) of NT1423010620.D

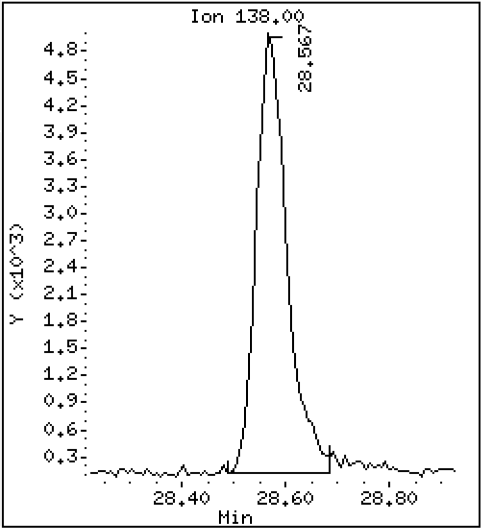

Scan 3061 (28.567 min) of NT1423010620.D (Subtracted)


78 Indeno(1,2,3-cd)pyrene (Reference Spectrum)


Scan 3061 (28.567 min) of NT1423010620.D (% DIFFERENCE)


Ion 276.00


Ion 274.00


Ion 138.00

Data File: \\target\share\chem3\nt14.i\20230106.b\NT1423010620.D

Date : 06-JAN-2023 23:03

Client ID:

Instrument: nt14.i

Sample Info: SLA0068-LCV2

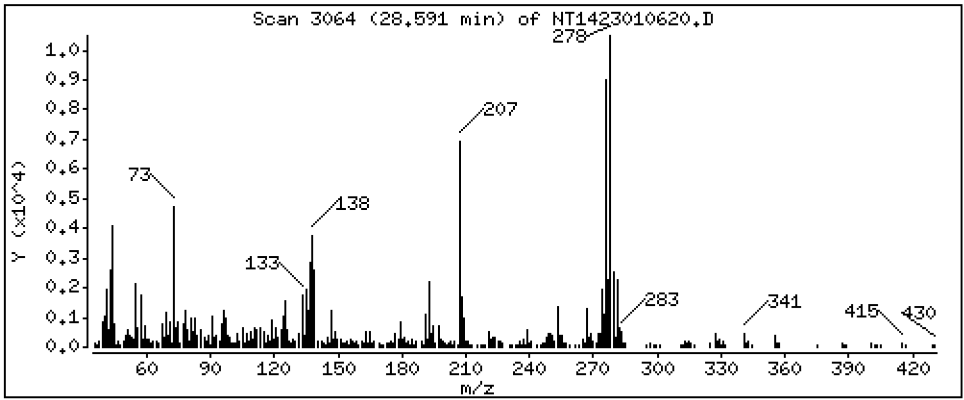
Operator: VTS

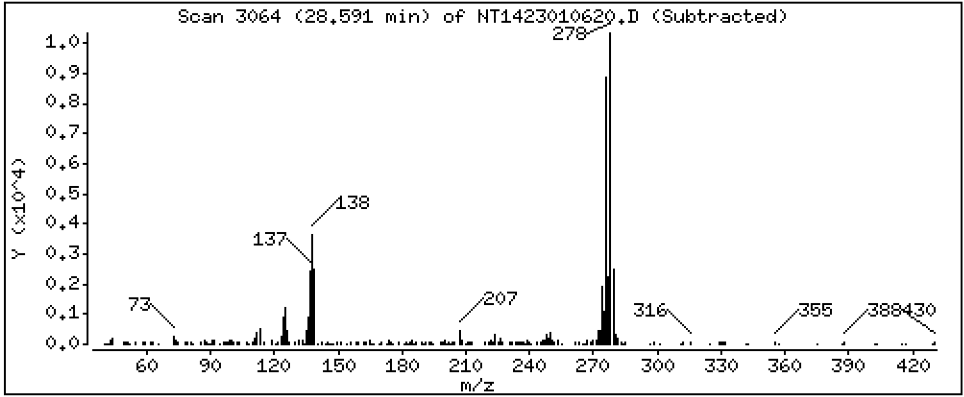
Column phase: ZB-5msi

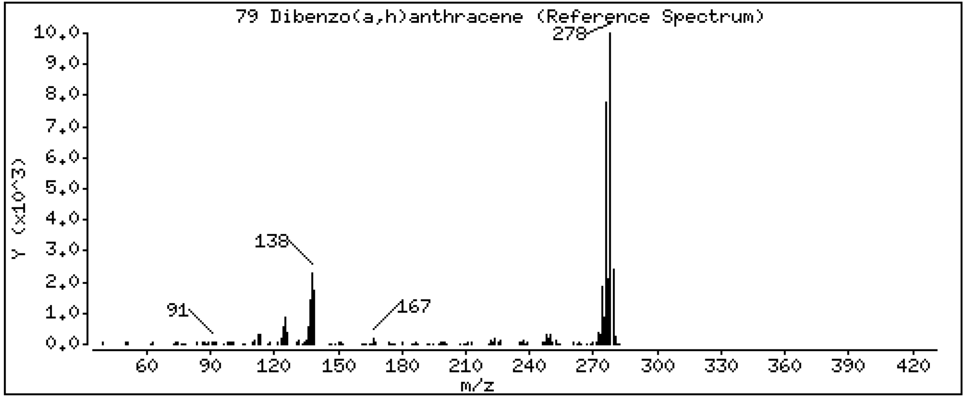
Column diameter: 0.25

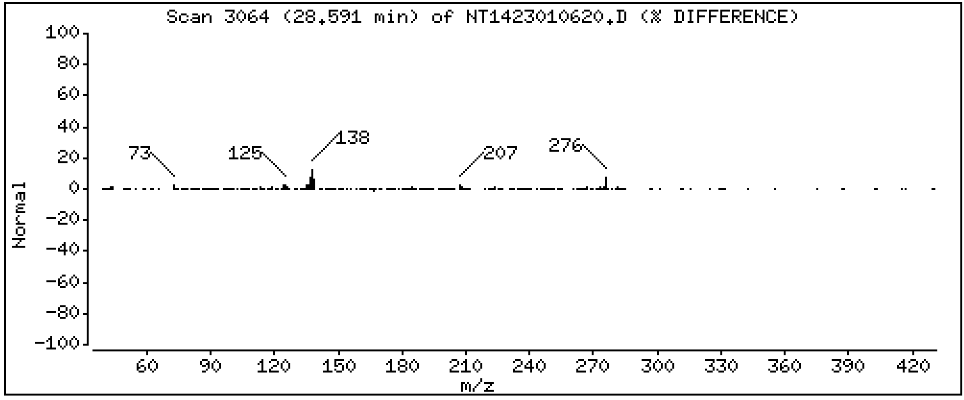
79 Dibenzo(a,h)anthracene

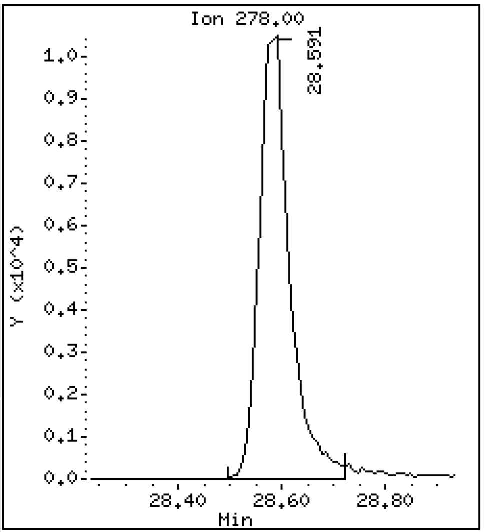
Concentration: 0.4663 ug/mL

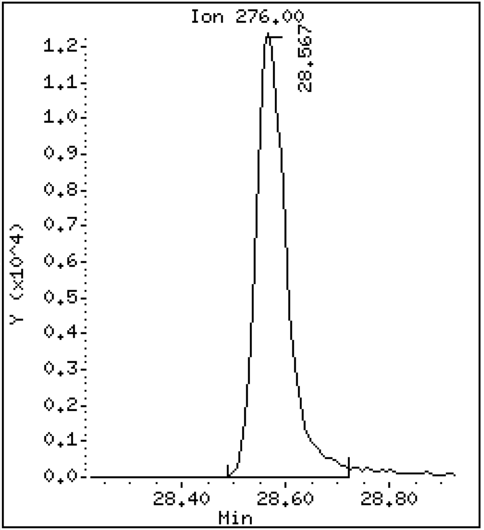

Scan 3064 (28.591 min) of NT1423010620.D


Scan 3064 (28.591 min) of NT1423010620.D (Subtracted)


79 Dibenzo(a,h)anthracene (Reference Spectrum)


Scan 3064 (28.591 min) of NT1423010620.D (% DIFFERENCE)


Ion 278.00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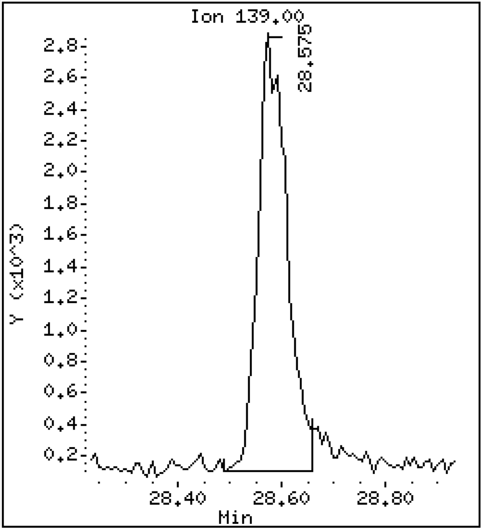

Ion 139.00

Data File: \\target\share\chem3\nt14.i\20230106.b\NT1423010620.D

Date : 06-JAN-2023 23:03

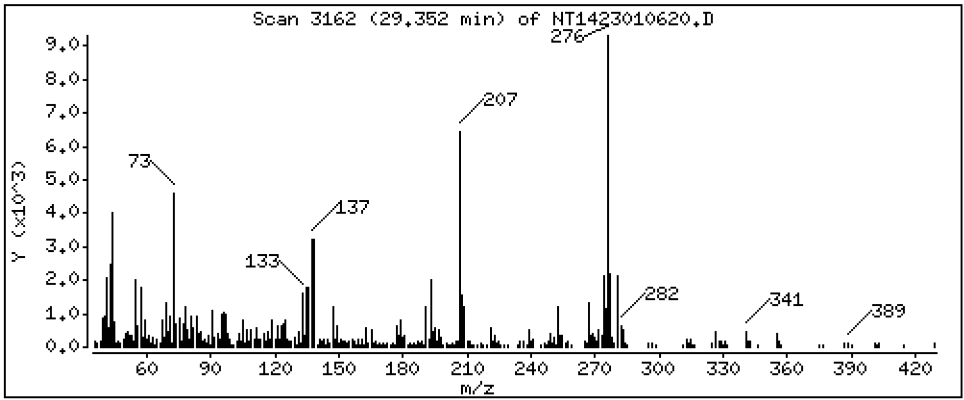
Client ID: Instrument: nt14.i

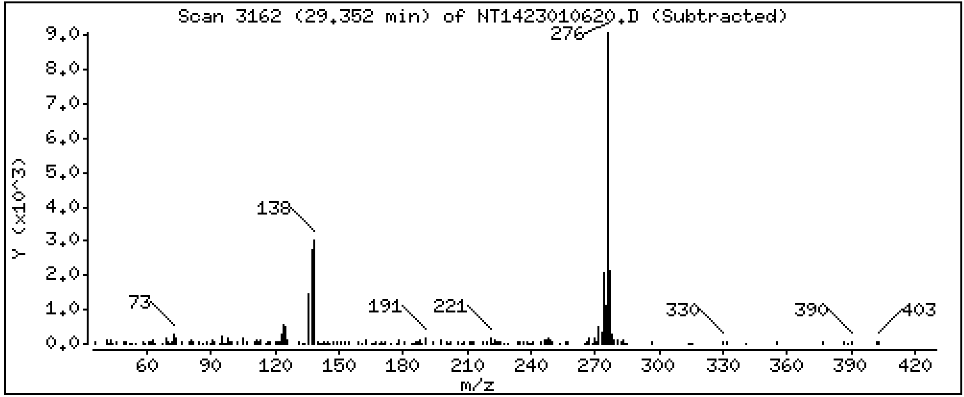
Sample Info: SLA0068-LCV2

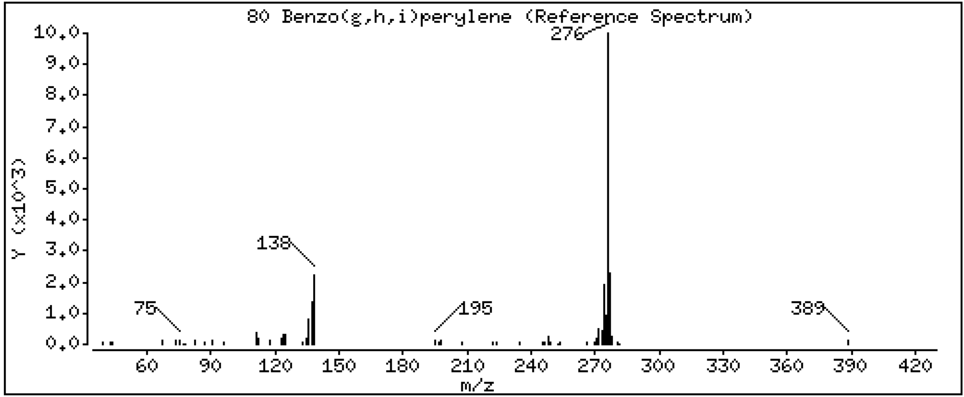
Operator: VTS

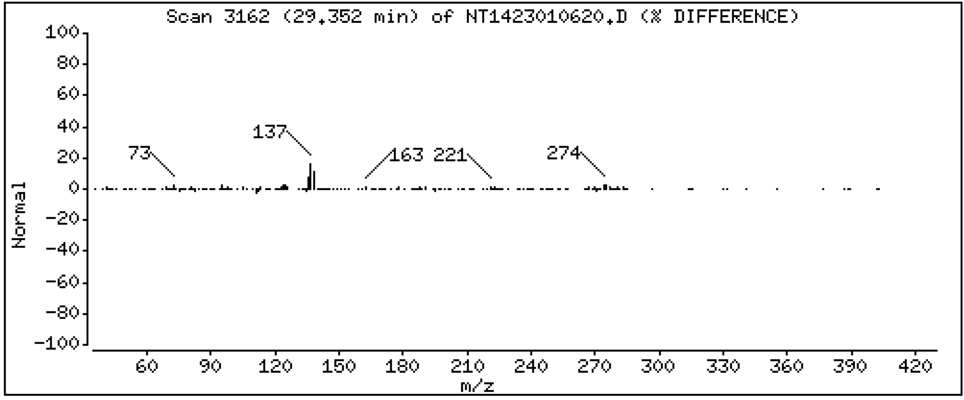
Column phase: ZB-5msi Column diameter: 0.25

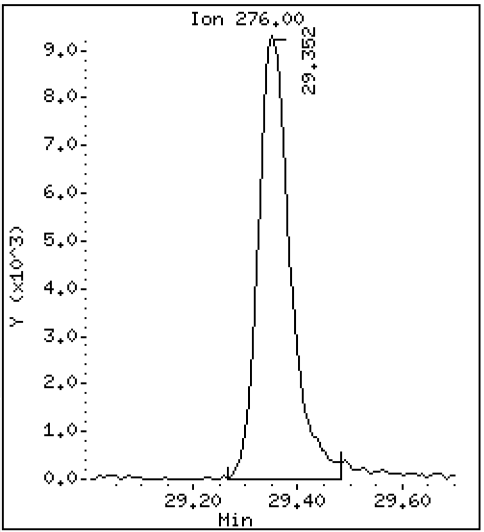
80 Benzo(g,h,i)perylene Concentration: 0.4438 ug/mL


Scan 3162 (29.352 min) of NT1423010620.D


Scan 3162 (29.352 min) of NT1423010620.D (Subtracted)


80 Benzo(g,h,i)perylene (Reference Spectrum)


Scan 3162 (29.352 min) of NT1423010620.D (% DIFFERENCE)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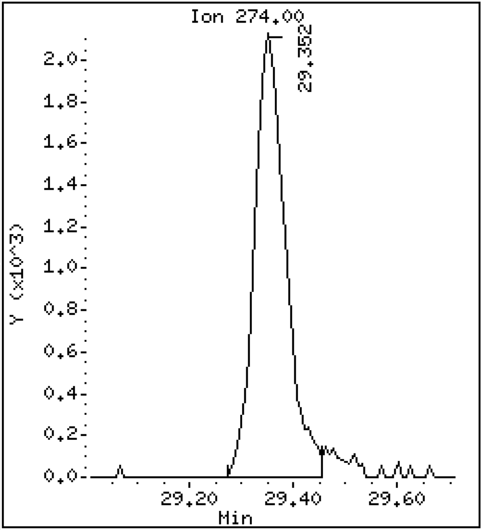
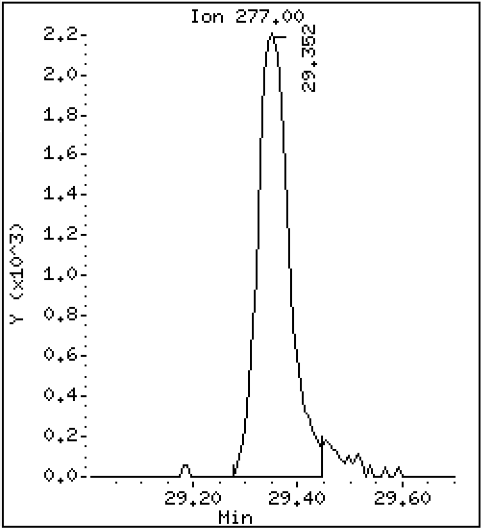

Ion 274.00


Ion 277.00

Data File: \\target\share\chem3\nt14.i\20230106.b\NT1423010620.D

Date : 06-JAN-2023 23:03

Client ID:

Instrument: nt14.i

Sample Info: SLA0068-LCV2

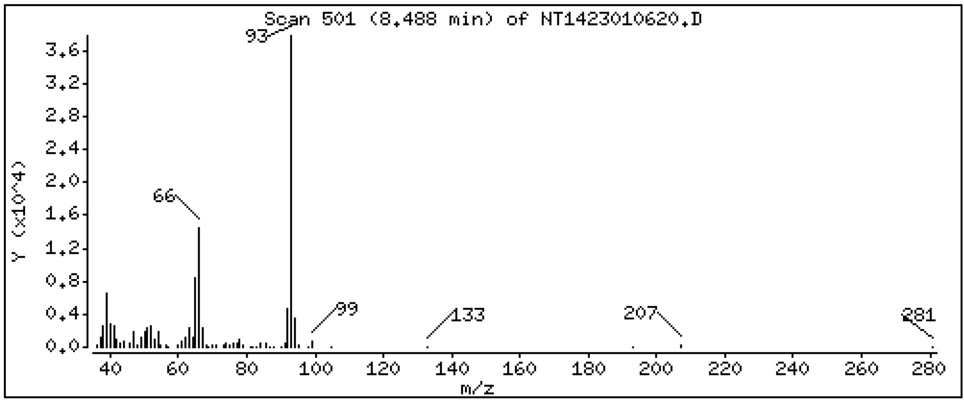
Operator: VTS

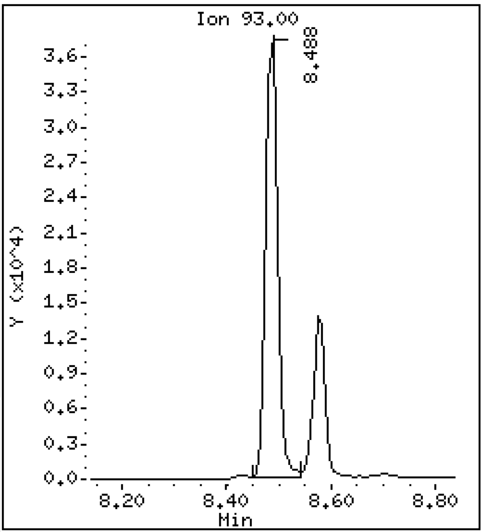
Column phase: ZB-5msi

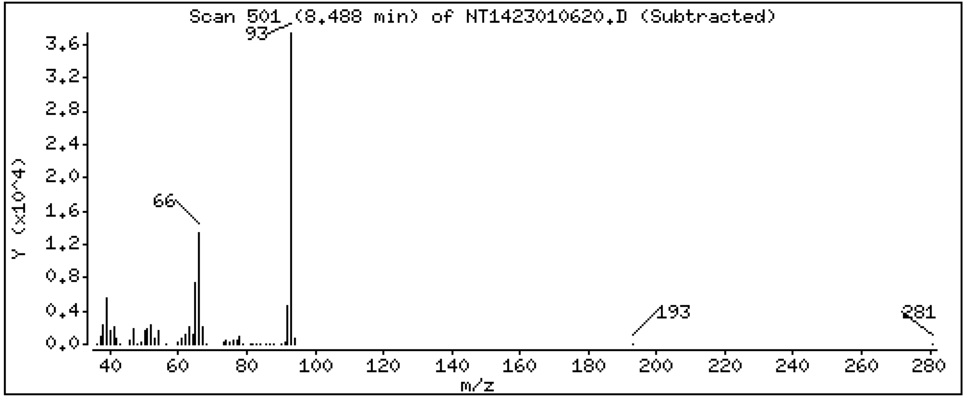
Column diameter: 0.25

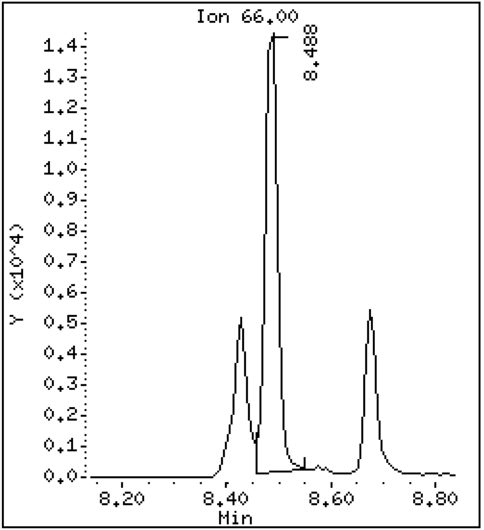
91 Aniline

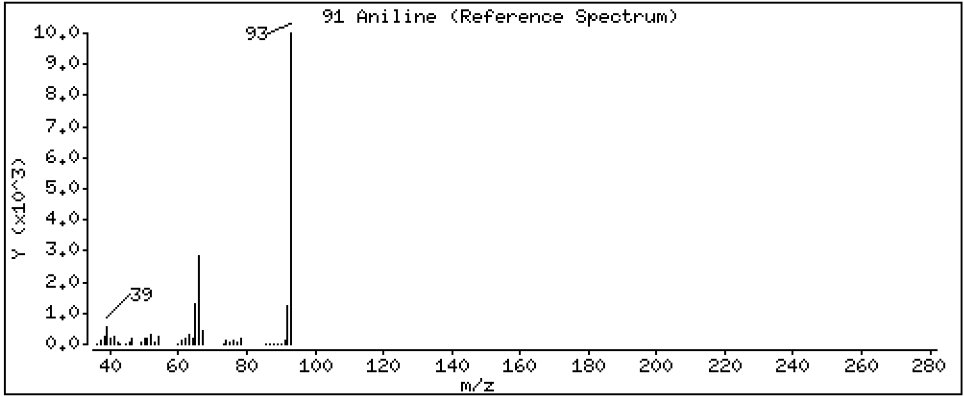
Concentration: 0.8863 ug/mL

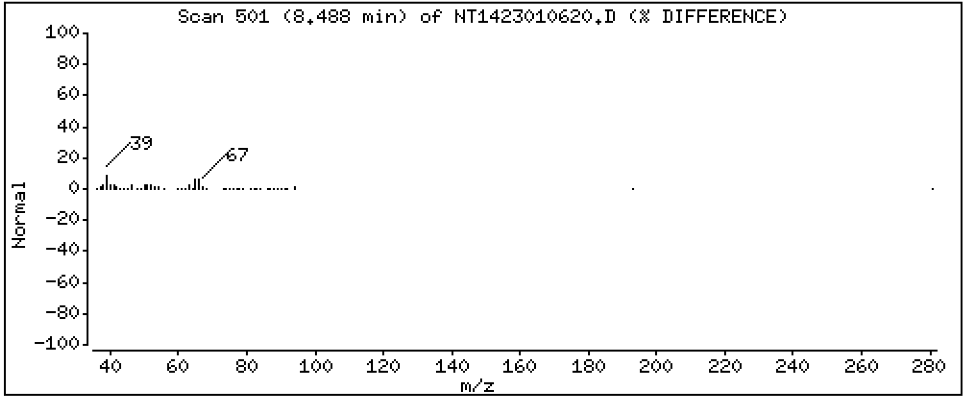

Scan 501 (8.488 min) of NT1423010620.D

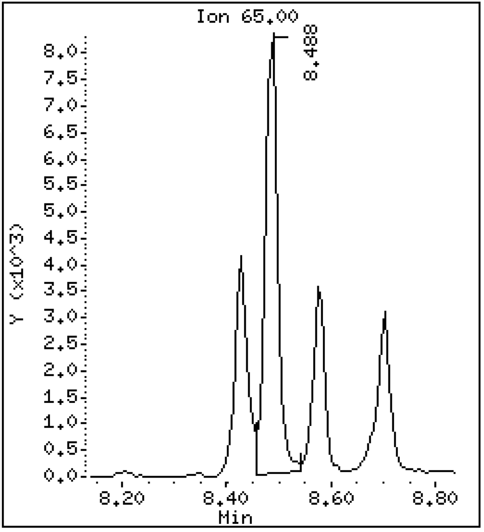

Ion 93.00


Scan 501 (8.488 min) of NT1423010620.D (Subtracted)


Ion 66.00


91 Aniline (Reference Spectrum)


Scan 501 (8.488 min) of NT1423010620.D (% DIFFERENCE)


Ion 65.00

Data File: \\target\share\chem3\nt14.i\20230106.b\NT1423010620.D

Date : 06-JAN-2023 23:03

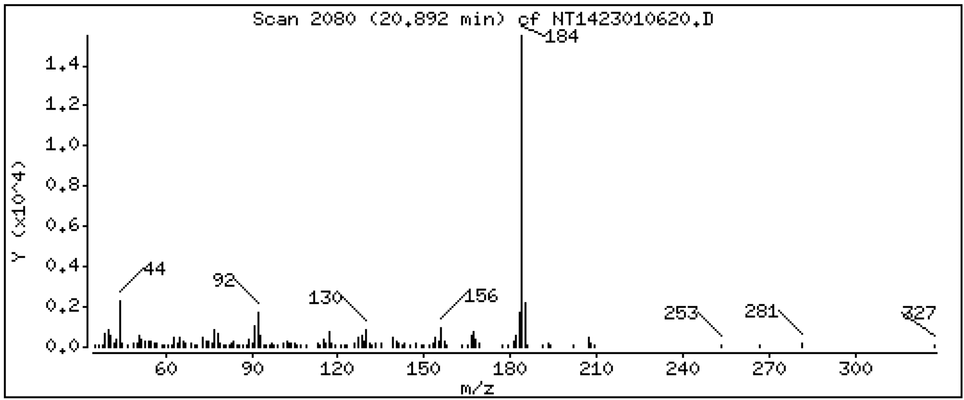
Client ID: Instrument: nt14.i

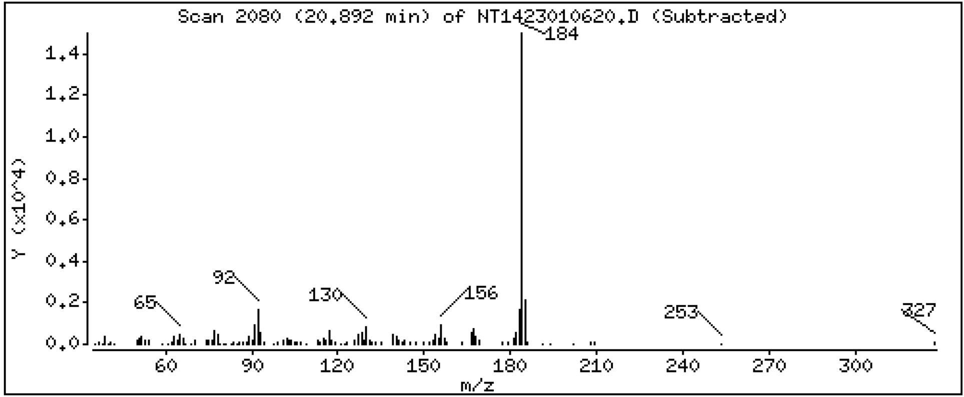
Sample Info: SLA0068-LCV2

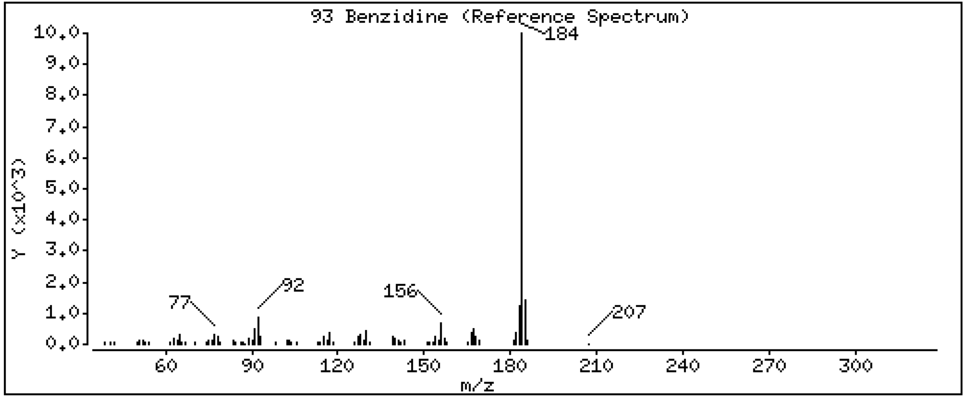
Operator: VTS

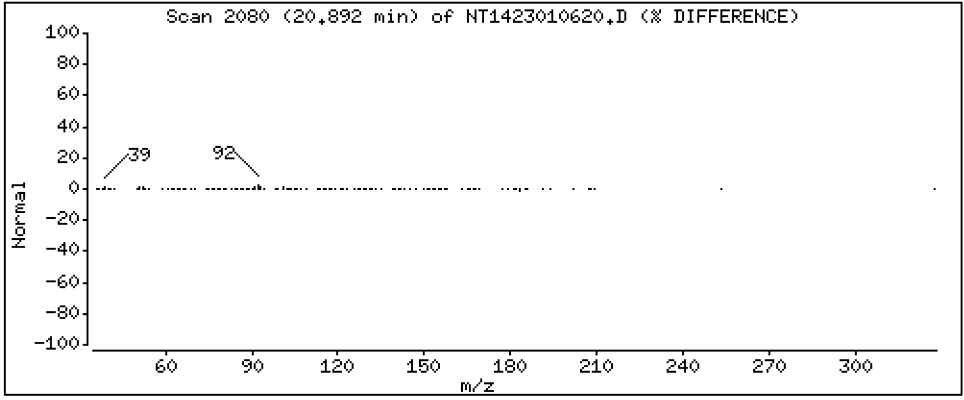
Column phase: ZB-5msi Column diameter: 0.25

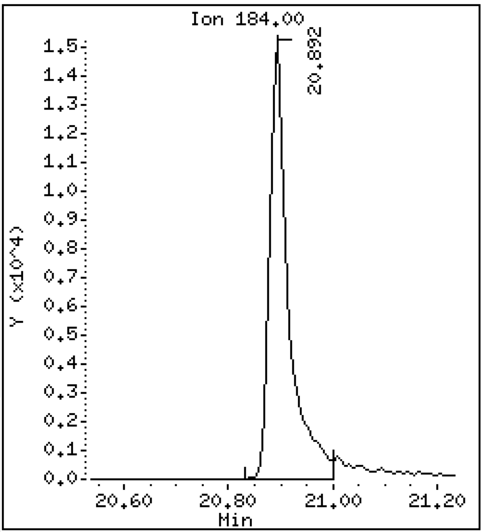
93 Benzidine Concentration: 0.9052 ug/mL

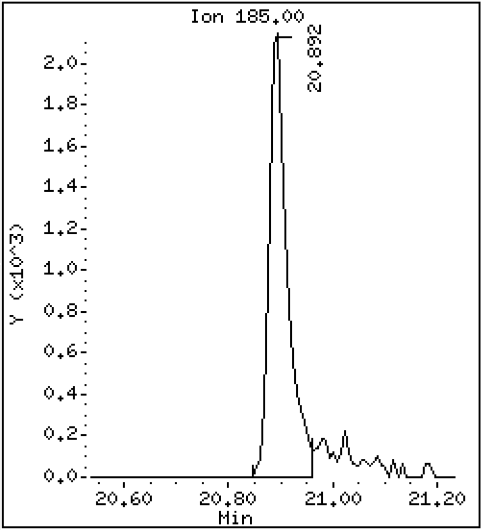


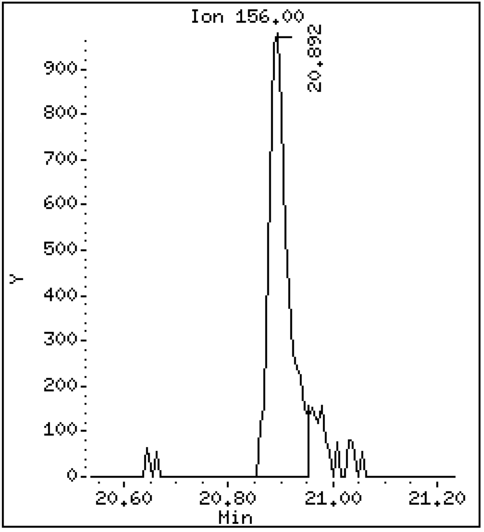












Data File: \\target\share\chem3\nt14.i\20230106.b\NT1423010620.D

Date : 06-JAN-2023 23:03

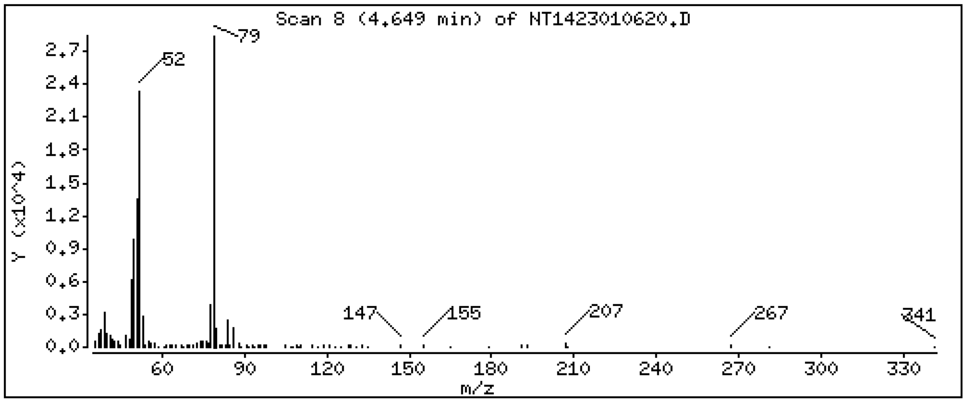
Client ID:
Instrument: nt14.i

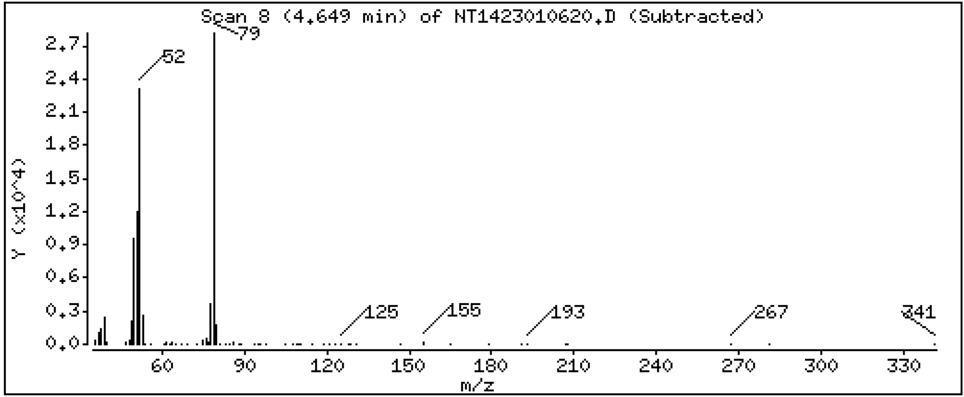
Sample Info: SLA0068-LCV2

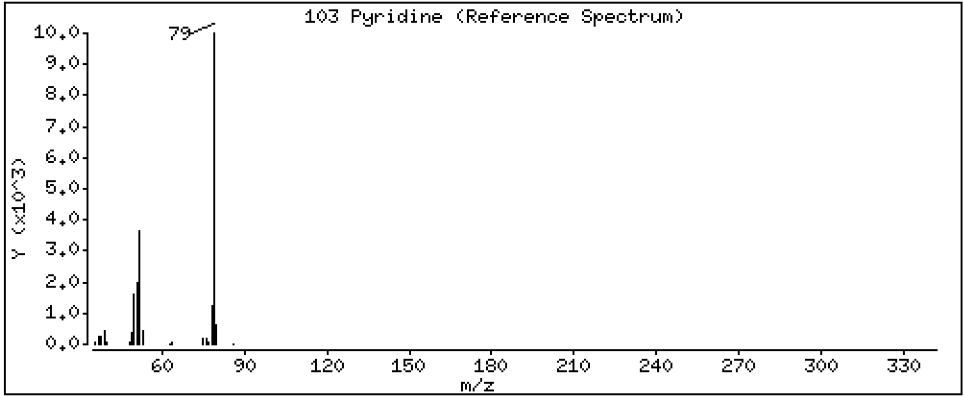
Operator: VTS

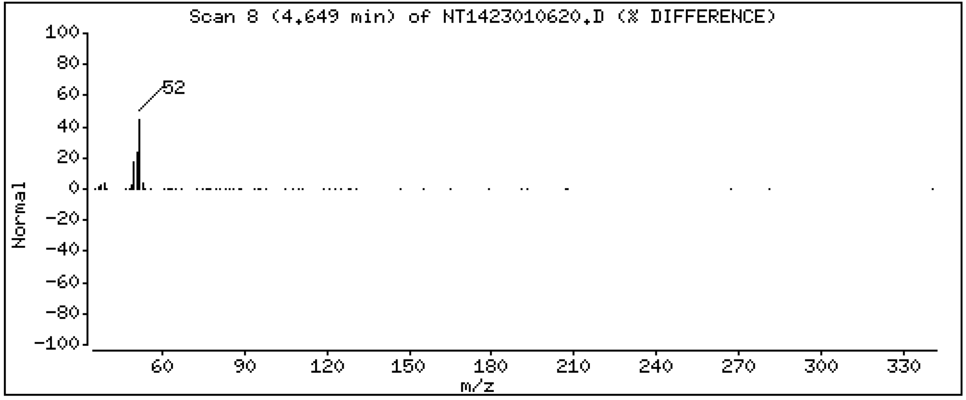
Column phase: ZB-5msi
Column diameter: 0.25

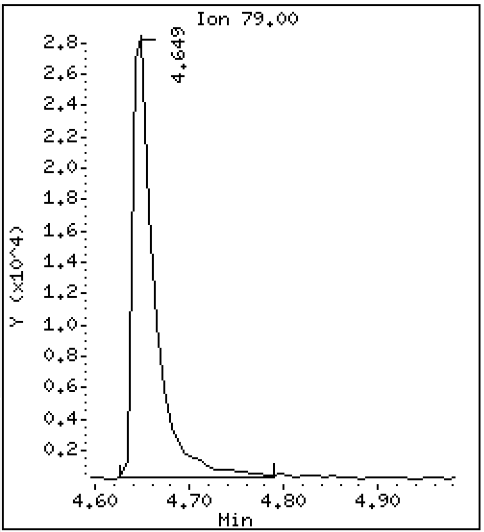
103 Pyridine
Concentration: 0.4671 ug/mL

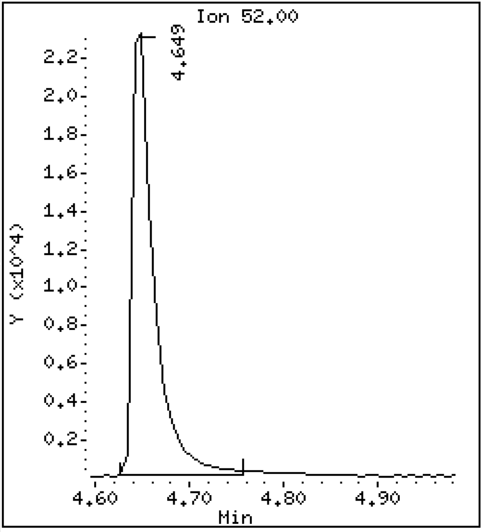

Scan 8 (4.649 min) of NT1423010620.D


Scan 8 (4.649 min) of NT1423010620.D (Subtracted)


103 Pyridine (Reference Spectrum)


Scan 8 (4.649 min) of NT1423010620.D (% DIFFERENCE)


Ion 79.00


Ion 52.00

Data File: \\target\share\chem3\nt14.i\20230106.b\NT1423010620.D

Date : 06-JAN-2023 23:03

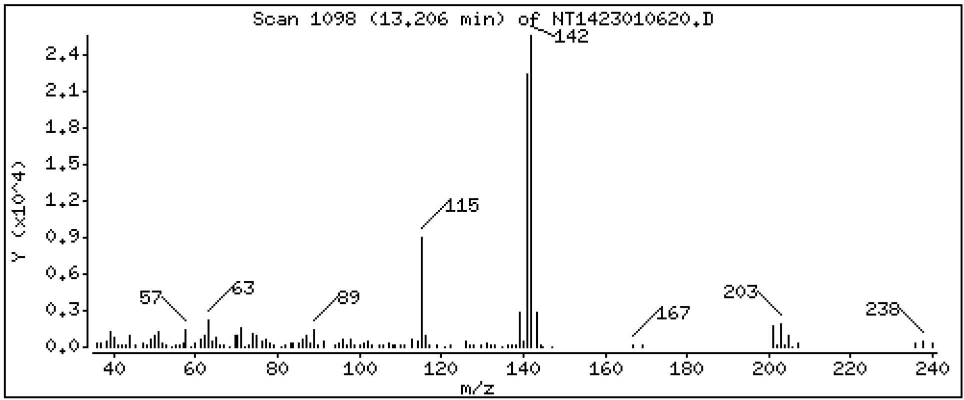
Client ID: Instrument: nt14.i

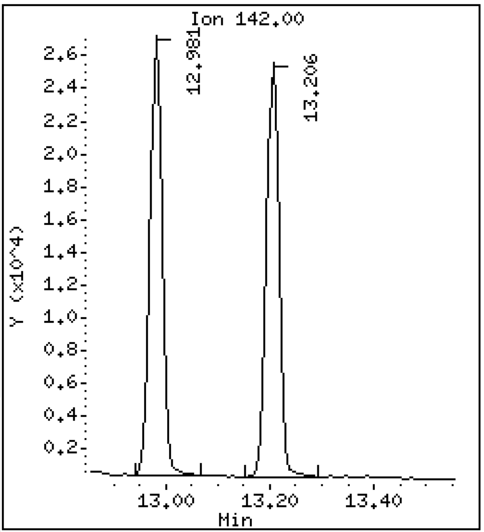
Sample Info: SLA0068-LCV2

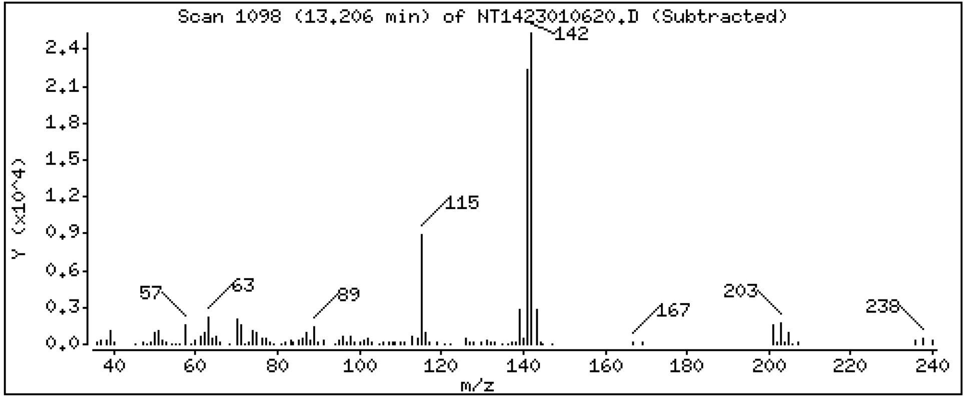
Operator: VTS

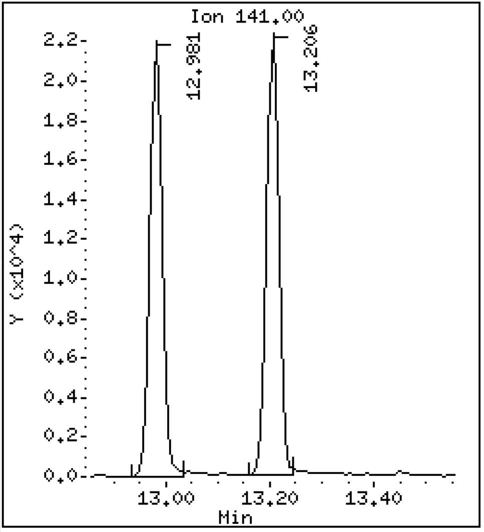
Column phase: ZB-5msi Column diameter: 0.25

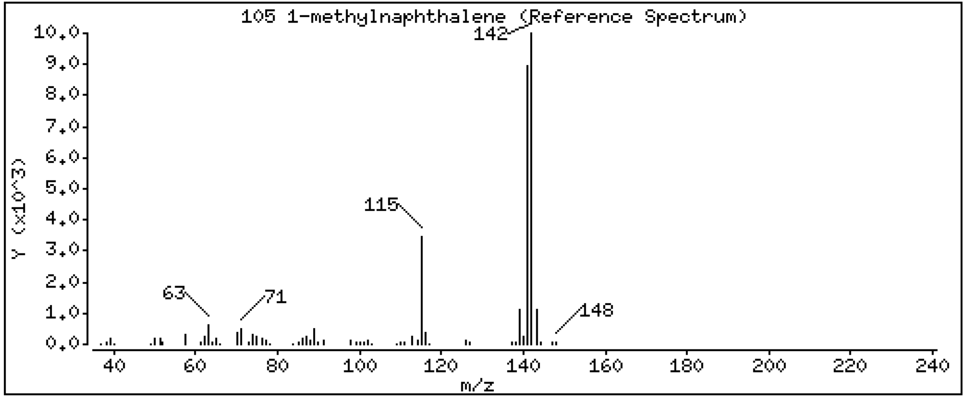
105 1-methylnaphthalene Concentration: 0.4456 ug/mL

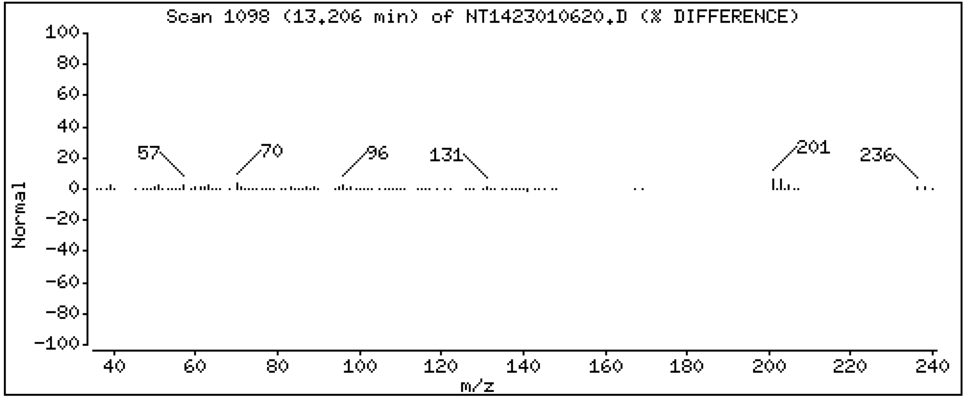












Data File: \\target\share\chem3\nt14.i\20230106.b\NT1423010620.D

Date : 06-JAN-2023 23:03

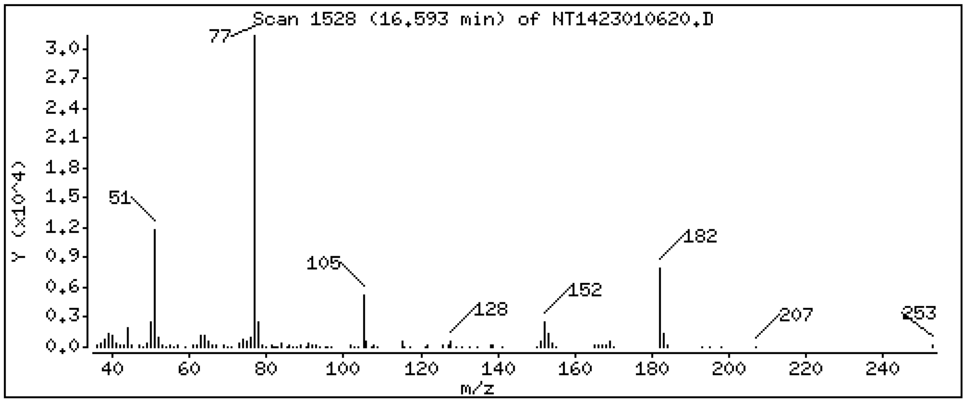
Client ID: Instrument: nt14.i

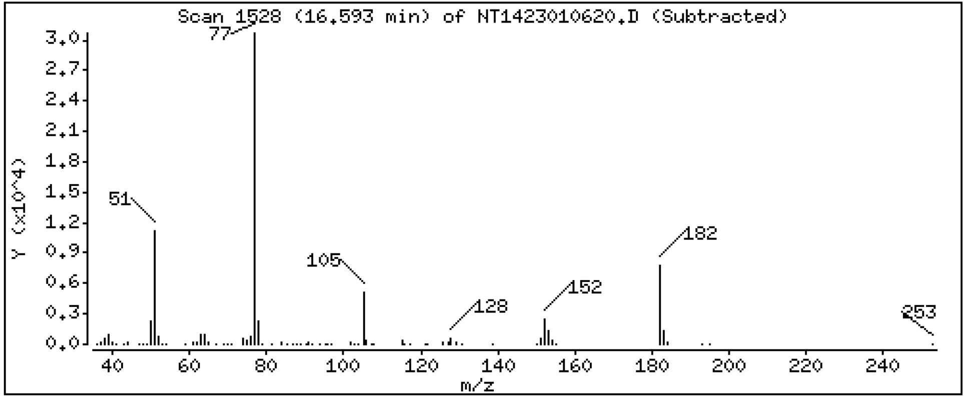
Sample Info: SLA0068-LCV2

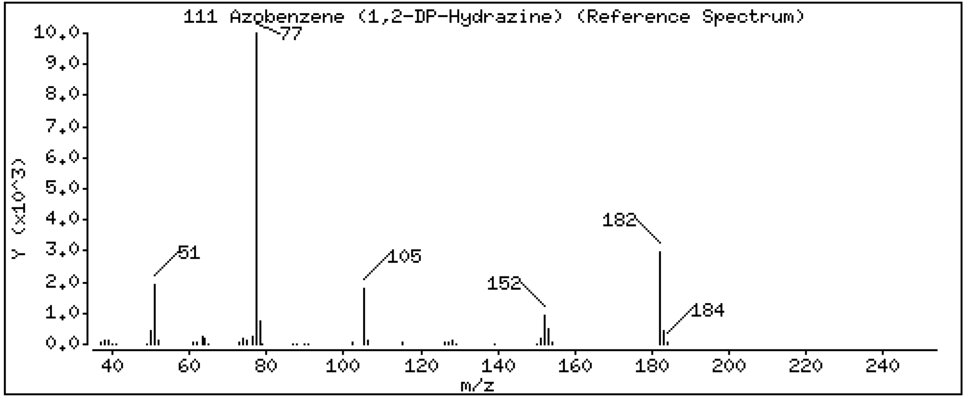
Operator: VTS

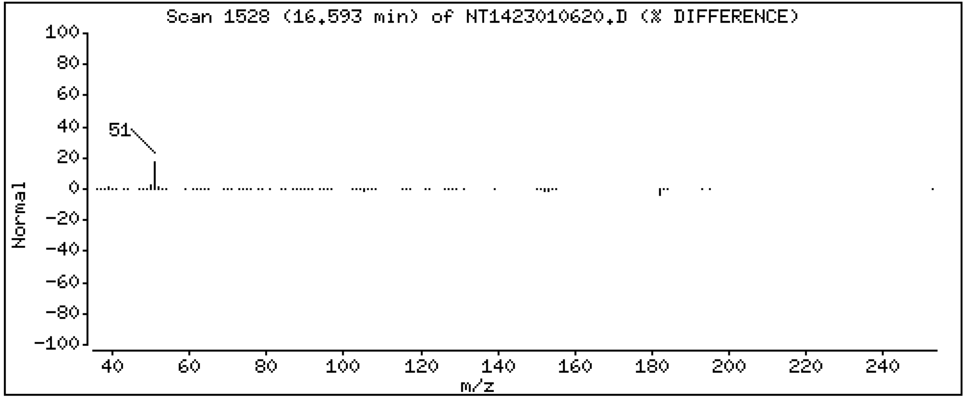
Column phase: ZB-5msi Column diameter: 0.25

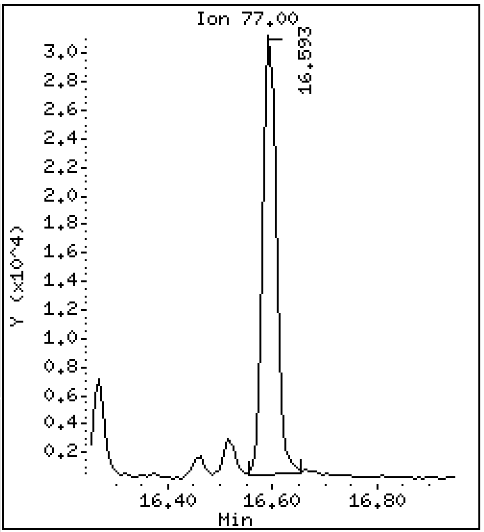
111 Azobenzene (1,2-DP-Hydrazine) Concentration: 0.5383 ug/mL

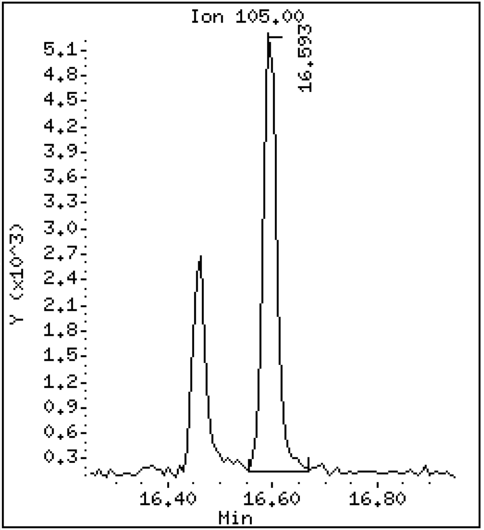

Scan 1528 (16.593 min) of NT1423010620.D

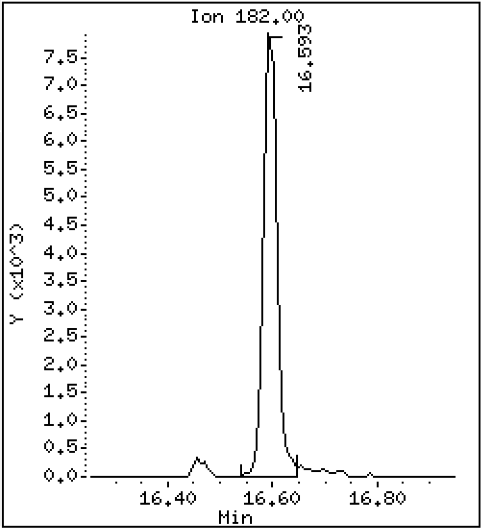

Scan 1528 (16.593 min) of NT1423010620.D (Subtracted)


111 Azobenzene (1,2-DP-Hydrazine) (Reference Spectrum)


Scan 1528 (16.593 min) of NT1423010620.D (% DIFFERENCE)


Ion 77.00


Ion 105.00


Ion 182.00

Data File: \\target\share\chem3\nt14.i\20230106.b\NT1423010620.D

Date : 06-JAN-2023 23:03

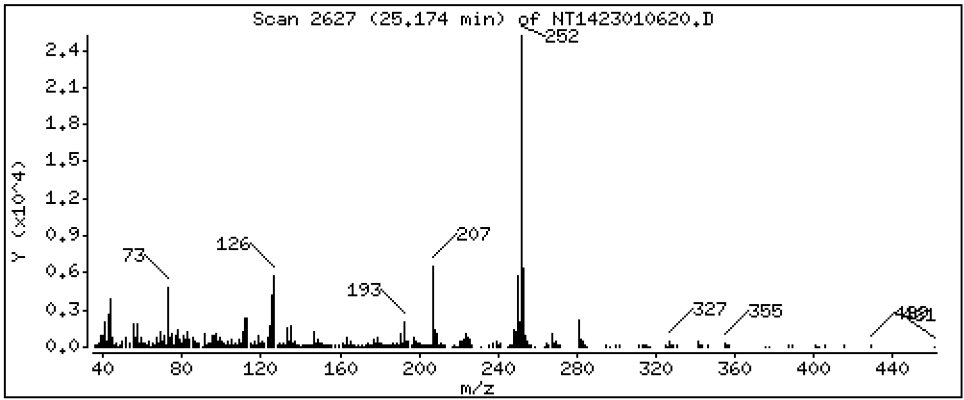
Client ID: Instrument: nt14.i

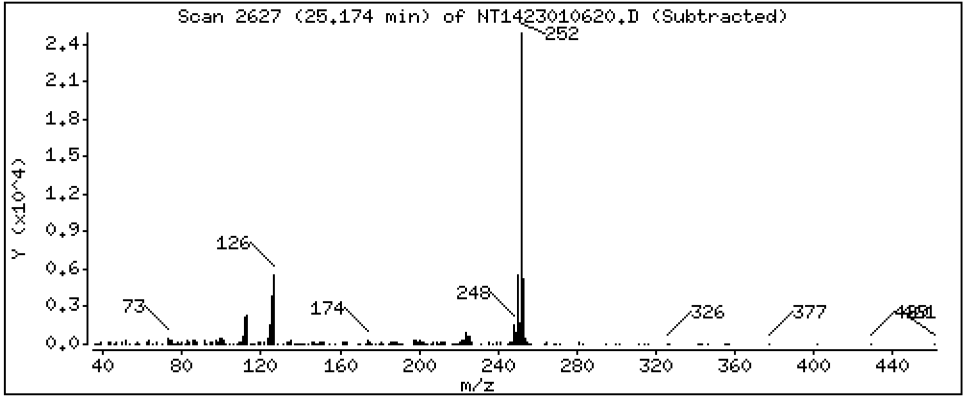
Sample Info: SLA0068-LCV2

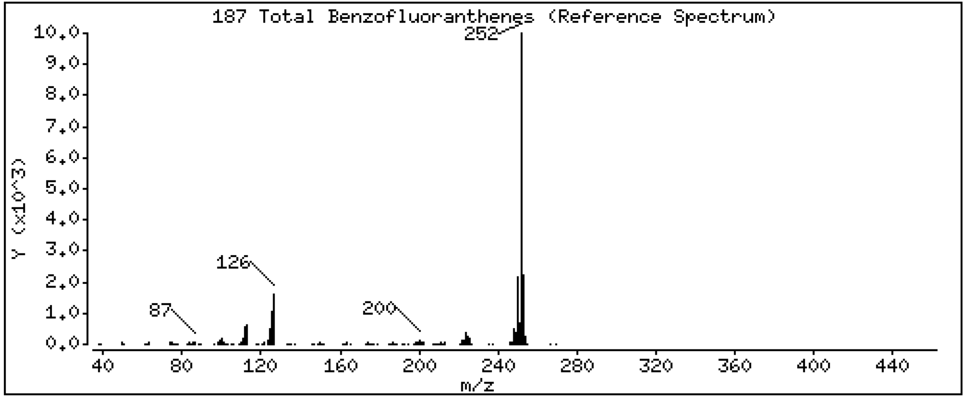
Operator: VTS

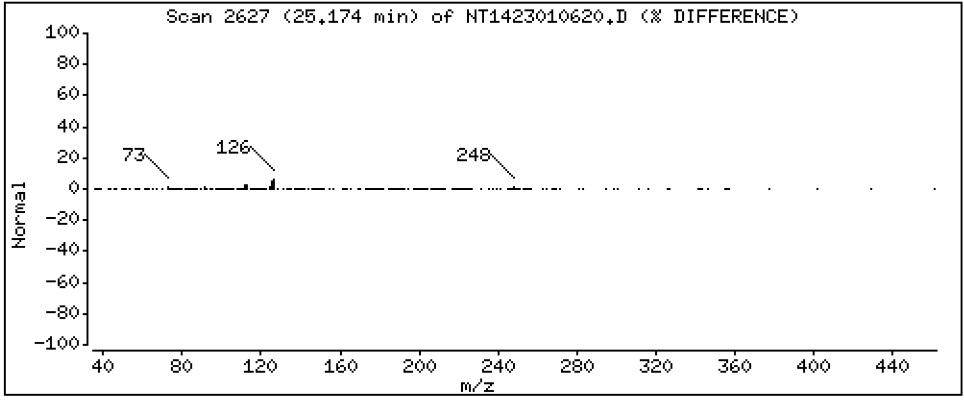
Column phase: ZB-5msi Column diameter: 0.25

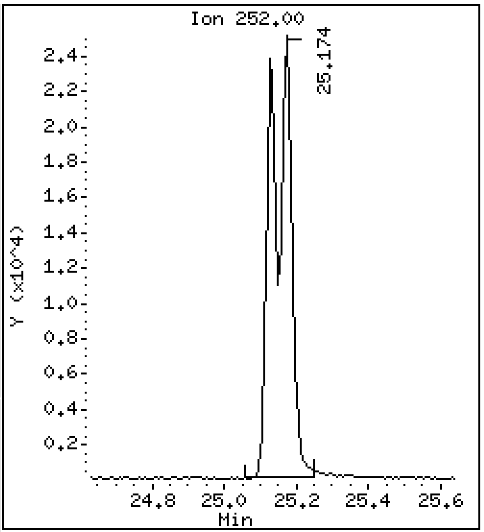
187 Total Benzofluoranthenes Concentration: 0.8641 ug/mL

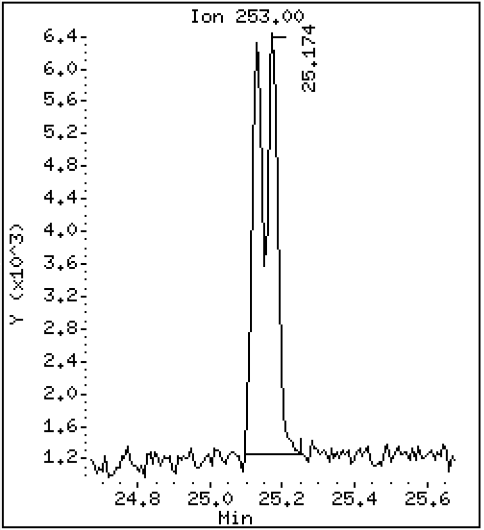

Scan 2627 (25.174 min) of NT1423010620.D

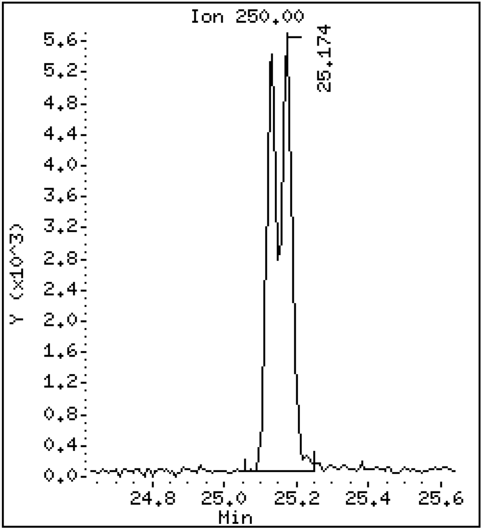

Scan 2627 (25.174 min) of NT1423010620.D (Subtracted)


187 Total Benzofluoranthenes (Reference Spectrum)


Scan 2627 (25.174 min) of NT1423010620.D (% DIFFERENCE)


Ion 252.00


Ion 253.00


Ion 250.00

Data File: \\target\share\chem3\nt14.i\20230106.b\NT1423010620.D

Date : 06-JAN-2023 23:03

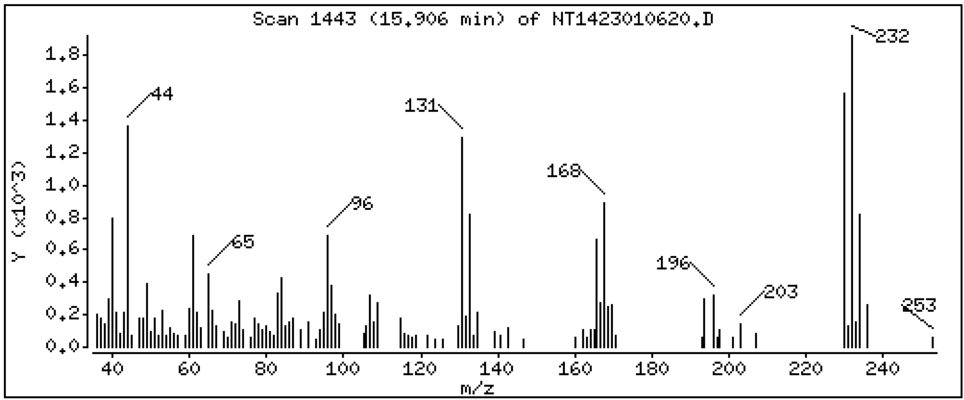
Client ID: Instrument: nt14.i

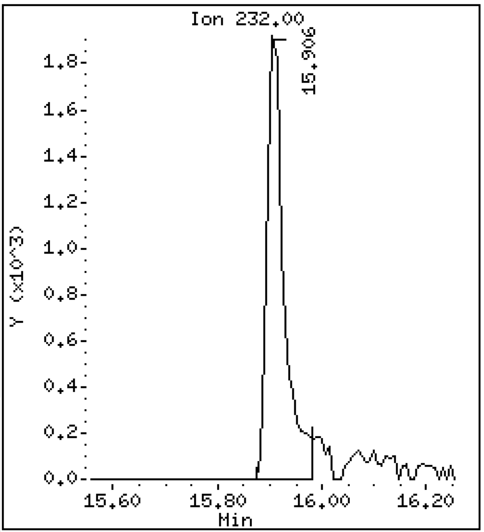
Sample Info: SLA0068-LCV2

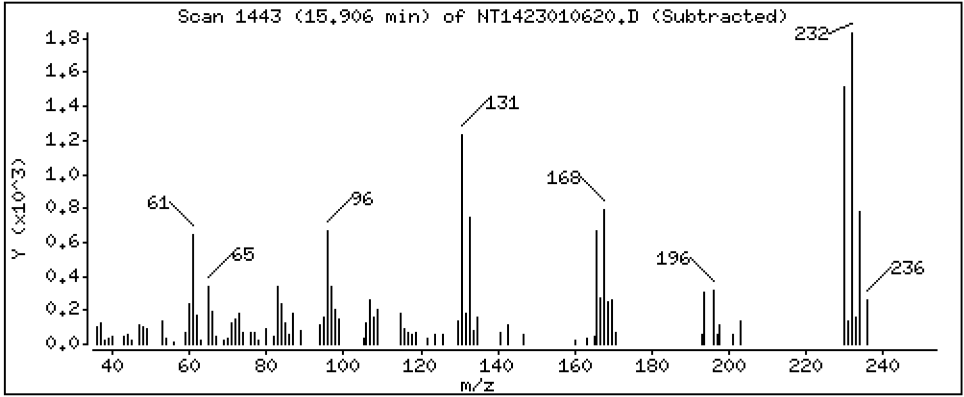
Operator: VTS

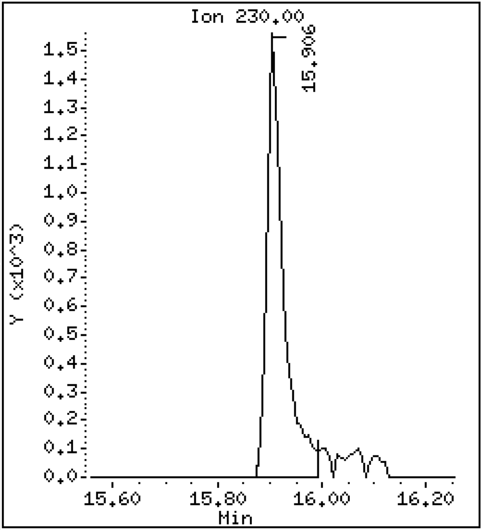
Column phase: ZB-5msi Column diameter: 0.25

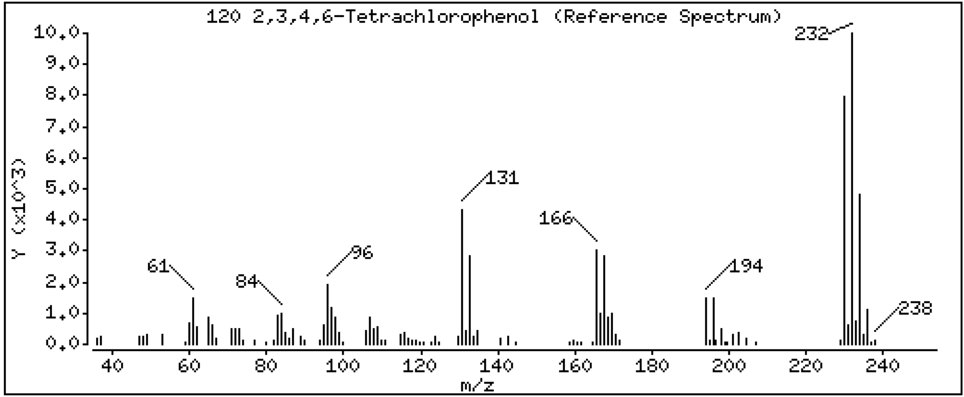
120 2,3,4,6-Tetrachlorophenol Concentration: 0.2279 ug/mL

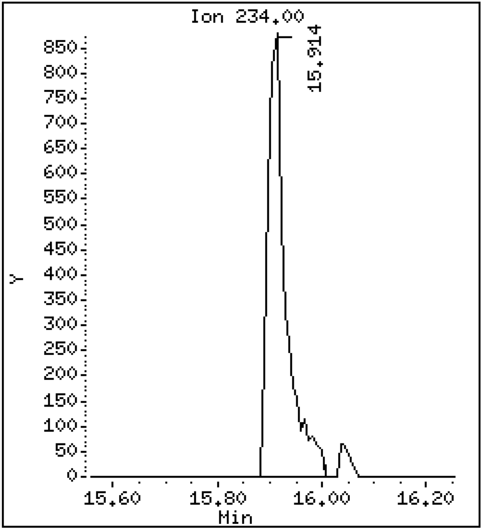


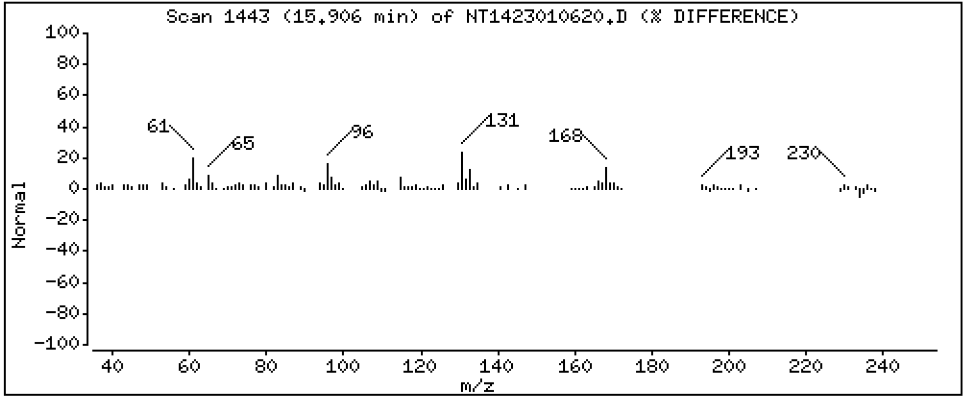












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                                ARI Labs, Inc.

                      Semivolatile Report SW846 Method 8270D
Data file : \\target\share\chem3\nt14.i\20230106.b\NT1423010620.D
Lab Smp Id: SLA0068-LCV2
Inj Date  : 06-JAN-2023 23:03           MS Autotune Date: 17-MAY-2011 01:22
Operator  : VTS                         Inst ID: nt14.i
Smp Info  : SLA0068-LCV2
Misc Info :
Comment   : 1ul Injection
Method    : \\target\share\chem3\nt14.i\20230106.b\ABN.m
Meth Date : 12-Jan-2023 08:12 van       Quant Type: ISTD
Cal Date  : 30-DEC-2022 11:07           Cal File: NT1422123007.D
Als bottle: 3
Dil Factor: 1.00000
Integrator: HP RTE                      Compound Sublist: ICAL.sub
Target Version:  4.14
Processing Host: VANS-201906

                                                                                    CONCENTRATIONS
                                        QUANT SIG                                 ON-COLUMN   FINAL
Compounds                                 MASS          RT   EXP RT   REL RT  RESPONSE   (ug/mL)   (ug/mL)
==========================                ====        ==== ======== ======== ========   =======   =======
$   1 2-Fluorophenol                       112        6.811   6.811 (0.754)     29640    0.63731    0.6373
$   2 Phenol-d5                             99        8.403   8.403 (0.930)     33186    0.57740    0.5774
    3 Phenol                                94        8.426   8.426 (0.932)     23676    0.36253    0.3625
$   5 2-Chlorophenol-d4                    132        8.673   8.673 (0.960)     31074    0.64375    0.6438
    4 Bis(2-Chloroethyl)ether               93        8.573   8.580 (0.949)     21388    0.47541    0.4754
    6 2-Chlorophenol                       128        8.704   8.704 (0.963)     22267    0.42003    0.4200
    7 1,3-Dichlorobenzene                  146        8.975   8.975 (0.993)     26475    0.47097    0.4710
*   8 1,4-Dichlorobenzene-d4               152        9.037   9.037 (1.000)    145168    4.00000
    9 1,4-Dichlorobenzene                  146        9.068   9.068 (1.003)     24625    0.46240    0.4624
$  10 1,2-Dichlorobenzene-d4               152        9.402   9.401 (1.040)     15089    0.45736    0.4574
   12 1,2-Dichlorobenzene                  146        9.425   9.425 (1.043)     24098    0.46140    0.4614
   11 Benzyl alcohol                       108        9.549   9.308 (1.057)     18219    0.62665    0.6266
   14 2,2'-oxybis(1-Chloropropane)         121        9.611   9.611 (1.064)      6964    0.45991    0.4599(M)
   13 2-Methylphenol                       108        9.549   9.549 (1.057)     18671    0.39344    0.3934
   17 Hexachloroethane                     117       10.023  10.022 (1.109)      9108    0.46501    0.4650
   16 N-Nitroso-di-n-propylamine            70        9.867   9.867 (1.092)     14903    0.51552    0.5155
   15 4-Methylphenol                       108        9.821   9.813 (1.087)     16520    0.32999    0.3300
$  18 Nitrobenzene-d5                       82       10.131  10.131 (0.878)     22117    0.49232    0.4923
   19 Nitrobenzene                          77       10.170  10.170 (0.882)     21966    0.49233    0.4923
   20 Isophorone                            82       10.620  10.620 (0.921)     27545    0.48441    0.4844
   21 2-Nitrophenol                        139       10.806  10.806 (0.937)     11746    0.43021    0.4302
   22 2,4-Dimethylphenol                   107       10.868  10.868 (0.942)     33304    0.71521    0.7152
   23 Bis(2-Chloroethoxy)methane            93       11.054  11.054 (0.958)     20464    0.46261    0.4626
   24 Benzoic acid                         105       10.985  11.062 (0.952)      2945    0.10392    0.1039
   25 2,4-Dichlorophenol                   162       11.272  11.271 (0.977)     24339    0.62008    0.6201
   26 1,2,4-Trichlorobenzene               180       11.450  11.449 (0.993)     23266    0.54819    0.5482
*  27 Naphthalene-d8                       136       11.535  11.534 (1.000)    532003    4.00000
   28 Naphthalene                          128       11.581  11.581 (1.004)     61481    0.46959    0.4696
   29 4-Chloroaniline                      127       11.704  11.712 (1.015)     43723    0.80980    0.8098
   30 Hexachlorobutadiene                  225       11.952  11.951 (1.036)     12098    0.57451    0.5745
   31 4-Chloro-3-methylphenol              107       12.702  12.686 (1.101)     21619    0.58365    0.5836
   32 2-Methylnaphthalene                  142       12.981  12.981 (1.125)     41365    0.43072    0.4307
   33 Hexachlorocyclopentadiene            237       13.453  13.453 (0.887)      2097    0.10435    0.1043
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                                                                                     CONCENTRATIONS
                                      QUANT SIG                                   ON-COLUMN    FINAL
Compounds                               MASS       RT    EXP RT   REL RT  RESPONSE  (ug/mL)    (ug/mL)
==========================              ====      ==== ======== ======== ========  =======    =======
   34 2,4,6-Trichlorophenol             196     13.608  13.607 (0.897)     14103   0.63556     0.6356
   35 2,4,5-Trichlorophenol             196     13.693  13.693 (0.903)     13410   0.52362     0.5236
$  36 2-Fluorobiphenyl                  172     13.770  13.770 (0.908)     41058   0.45933     0.4593
   37 2-Chloronaphthalene               162     13.979  13.979 (0.921)     35653   0.46885     0.4689
   38 2-Nitroaniline                     65     14.235  14.234 (0.938)     17514   0.87604     0.8760
   39 Dimethylphthalate                 163     14.668  14.668 (0.967)     36354   0.48488     0.4849
   40 Acenaphthylene                    152     14.854  14.853 (0.979)     53141   0.45832     0.4583
   41 2,6-Dinitrotoluene                165     14.807  14.807 (0.976)     14034   0.82942     0.8294
*  42 Acenaphthene-d10                  164     15.171  15.171 (1.000)    265857   4.00000
   43 3-Nitroaniline                    138     15.094  15.093 (0.995)     16826   0.81817     0.8182
   44 Acenaphthene                      153     15.233  15.240 (1.004)     33512   0.46599     0.4660
   45 2,4-Dinitrophenol                 184     15.318  15.302 (1.010)       713   0.04962    0.04962
   46 Dibenzofuran                      168     15.565  15.565 (1.026)     48807   0.45257     0.4526
   47 4-Nitrophenol                     109     15.472  15.433 (1.020)      2553   0.25941     0.2594
   48 2,4-Dinitrotoluene                165     15.619  15.619 (1.030)     17452   0.75175     0.7518
   50 Diethylphthalate                  149     16.130  16.137 (1.063)     54021   0.53010     0.5301
   49 Fluorene                          166     16.276  16.284 (1.073)     53603   0.46723     0.4672
   51 4-Chlorophenyl-phenylether        204     16.269  16.268 (1.072)     23619   0.42051     0.4205
   52 4-Nitroaniline                    138     16.361  16.361 (1.078)     18687   0.75439     0.7544
   53 4,6-Dinitro-2-methylphenol        198     16.461  16.461 (0.904)      9488   0.50460     0.5046
   54 N-Nitrosodiphenylamine            169     16.515  16.523 (0.907)     34148   0.44445     0.4445
$  55 2,4,6-Tribromophenol              330     16.816  16.816 (1.108)      5687   0.45603     0.4560
   56 4-Bromophenyl-phenylether         248     17.279  17.278 (0.949)     12575   0.43223     0.4322
   57 Hexachlorobenzene                 284     17.596  17.595 (0.966)     14504   0.45429     0.4543
   58 Pentachlorophenol                 266     17.960  17.952 (0.986)      1069   0.07732    0.07732
*  59 Phenanthrene-d10                  188     18.215  18.215 (1.000)    447747   4.00000
   60 Phenanthrene                      178     18.261  18.269 (1.003)     52744   0.45180     0.4518
   61 Anthracene                        178     18.354  18.362 (1.008)     51350   0.46076     0.4608
   62 Carbazole                         167     18.687  18.687 (1.026)     48402   0.44925     0.4493
   63 Di-n-butylphthalate               149     19.484  19.491 (1.070)     58515   0.48004     0.4800
   64 Fluoranthene                      202     20.652  20.652 (0.888)     52735   0.47783     0.4778
   65 Pyrene                            202     21.078  21.077 (0.906)     55409   0.47751     0.4775
$  66 Terphenyl-d14                     244     21.364  21.364 (0.918)     38337   0.46595     0.4659
   67 Butylbenzylphthalate              149     22.285  22.285 (0.958)     24890   0.56799     0.5680
   68 Benzo(a)anthracene                228     23.245  23.245 (0.999)     47963   0.46193     0.4619
*  69 Chrysene-d12                      240     23.269  23.276 (1.000)    342757   4.00000
   70 3,3'-Dichlorobenzidine            252     23.199  23.199 (0.997)     46709   1.46952      1.470
   71 Chrysene                          228     23.315  23.315 (1.002)     45006   0.45888     0.4589
   72 bis(2-Ethylhexyl)phthalate        149     23.315  23.315 (0.960)     34090   0.50575     0.5058
* 134 Di-n-octylphthalate-d4            153     24.298  24.298 (1.000)    606933   4.00000
   73 Di-n-octylphthalate               149     24.306  24.314 (1.000)     68846   0.47255     0.4726
   74 Benzo(b)fluoranthene              252     25.127  25.134 (0.970)     46308   0.40565     0.4056
   75 Benzo(k)fluoranthene              252     25.173  25.173 (0.972)     53847   0.46344     0.4634
   76 Benzo(a)pyrene                    252     25.785  25.785 (0.996)     45450   0.47893     0.4789
*  77 Perylene-d12                      264     25.901  25.901 (1.000)    363248   4.00000
   78 Indeno(1,2,3-cd)pyrene            276     28.567  28.574 (1.103)     51432   0.47675     0.4768
   79 Dibenzo(a,h)anthracene            278     28.590  28.582 (1.104)     42743   0.46625     0.4663
   80 Benzo(g,h,i)perylene              276     29.351  29.351 (1.133)     40108   0.44380     0.4438
   90 N-Nitrosodimethylamine             74         Compound Not Detected.
   91 Aniline                            93      8.488   8.487 (0.939)     56358   0.88628     0.8863
   93 Benzidine                         184     20.892  20.884 (0.898)     38087   0.90521     0.9052
  103 Pyridine                           79      4.649   4.633 (0.514)     47538   0.46707     0.4671
  105 1-methylnaphthalene               142     13.205  13.205 (1.145)     41120   0.44563     0.4456
  111 Azobenzene (1,2-DP-Hydrazine)      77     16.592  16.600 (1.094)     53149   0.53834     0.5383
```

```
                                                                                           CONCENTRATIONS
                                     QUANT SIG                                           ON-COLUMN    FINAL
Compounds                              MASS          RT    EXP RT   REL RT  RESPONSE     (ug/mL)    (ug/mL)
==========================             ====        ==== ======== ======== ========     =======    =======
  187 Total Benzofluoranthenes          252       25.173  25.134 (0.972)      95373     0.86415     0.8641
  120 2,3,4,6-Tetrachlorophenol         232       15.905  15.905 (1.048)       4269     0.22792     0.2279
```

QC Flag Legend

M - Compound response manually integrated.

```
Data File: \\target\share\chem3\nt14.i\20230106.b\NT1423010620.D Page 1
Report Date: 12-Jan-2023 08:13

                                   ARI Labs, Inc.

                              INTERNAL STANDARD COMPOUNDS
                                  AREA AND RT SUMMARY

Instrument ID: nt14.i                              Calibration Date: 06-JAN-2023
Lab File ID: NT1423010620.D                        Calibration Time: 22:27
Lab Smp Id: SLA0068-LCV2
Analysis Type: SV                                        Level:
Quant Type: ISTD                                   Sample Type:
Operator: VTS
Method File: \\target\share\chem3\nt14.i\20230106.b\ABN.m
Misc Info:

Test Mode:
           Use Last Continuing Calibrator.

 |_____________________|__________|__________AREA LIMIT_________|__________|_______|
   COMPOUND            | STANDARD |   LOWER   |   UPPER   |  SAMPLE  | %DIFF |
 ===================== ========== ========== ========== ========== =======
    8 1,4-Dichlorobenze     114022      57011     228044     145168   27.32
   27 Naphthalene-d8        420653     210327     841306     532003   26.47
   42 Acenaphthene-d10      216802     108401     433604     265857   22.63
   59 Phenanthrene-d10      366121     183061     732242     447747   22.29
   69 Chrysene-d12          276883     138442     553766     342757   23.79
  134 Di-n-octylphthala     540641     270321    1081282     606933   12.26
   77 Perylene-d12          308305     154153     616610     363248   17.82
 |_____________________|__________|__________|__________|__________|_______|


 |_____________________|__________|___________RT LIMIT__________|__________|_______|
   COMPOUND            | STANDARD |   LOWER   |   UPPER   |  SAMPLE  | %DIFF |
 ===================== ========== ========== ========== ========== =======
    8 1,4-Dichlorobenze       9.04       8.54       9.54       9.04    0.00
   27 Naphthalene-d8         11.53      11.03      12.03      11.54    0.00
   42 Acenaphthene-d10       15.17      14.67      15.67      15.17    0.00
   59 Phenanthrene-d10       18.22      17.72      18.72      18.22    0.00
   69 Chrysene-d12           23.28      22.78      23.78      23.27   -0.03
  134 Di-n-octylphthala      24.30      23.80      24.80      24.30    0.00
   77 Perylene-d12           25.90      25.40      26.40      25.90    0.00
 |_____________________|__________|__________|__________|__________|_______|

AREA UPPER LIMIT = +100% of internal standard area.
AREA LOWER LIMIT = - 50% of internal standard area.
RT UPPER LIMIT = + 0.50 minutes of internal standard RT.
RT LOWER LIMIT = - 0.50 minutes of internal standard RT.
```

```
REVIEW SUMMARY FOR FILE - NT1423010620.D

Lab ID: SLA0068-LCV2
nt14.i,  20230106.b\ABN.m,    06-JAN-2023 23:03


     RT      CO-ELUTION COMPOUNDS
---------------------------------------------------------------------------

            NO CO-ELUTIONS



Quant Method: ICAL




        RRT CHECK

   RRT    CCV RRT   DELTA    COMPOUND
 -------------------------------------

  1.057    1.030    0.0266   Benzyl alcohol
  0.952    0.959   -0.0067   Benzoic acid

  RRT check based on Ccal File: NT1423010619.D



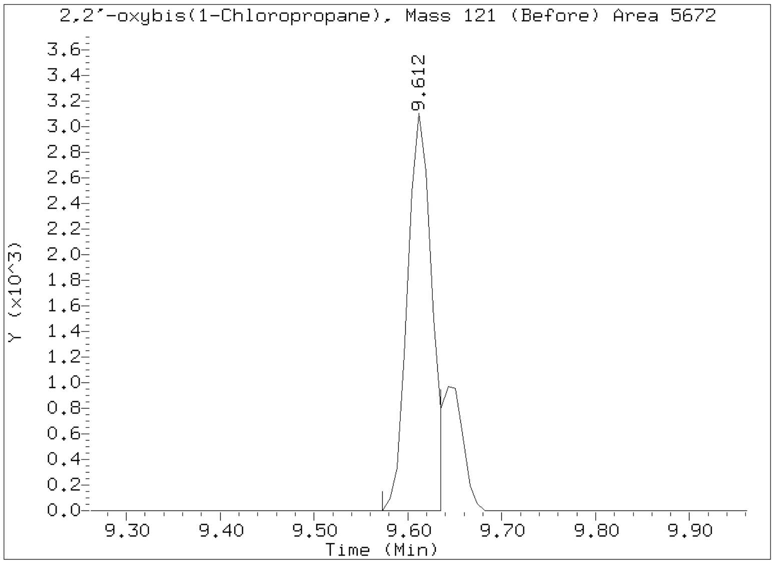
 On Column LOD for nt14.i, 20230106.b\ABN.m, ICAL.sub = 0.0000

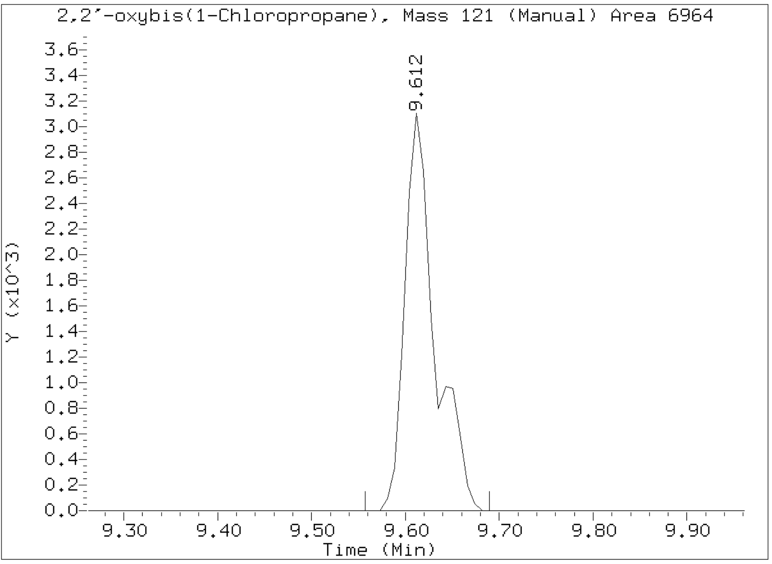



 * Only compounds listed in the work order have been verified by the analyst *
```

Quant Ion Manual Peak Adjustment Report

Datafile: //target/share/chem3/nt14.i/20230106.b/NT1423010620.D
Injection Date: 06-JAN-2023 23:03
Lab ID:SLA0068-LCV2 Client ID:
Report Date: 01/12/2023 08:13





INITIAL CALIBRATION CHECK

EPA 8270E

Laboratory:	Analytical Resources, LLC	SDG:	22L0307
Client:	Anchor QEA, LLC	Project:	AOC4 UR Phase 3
Instrument ID:	NT14	Calibration:	FL00066
Lab File ID:	NT1422123011.D	Calibration Date:	12/30/2022
Sequence:	SKL0355	Injection Date:	12/30/22
Lab Sample ID:	SKL0355-ICV1	Injection Time:	13:31
Sequence Name:	SICV1		

COMPOUND	TYPE	CONC. (ug/mL)		RESPONSE FACTOR			% DRIFT/DIFF	
		STD	ICV	ICAL	ICV	MIN	ICV	LIMIT
Phenol	A	5.0000	4.4	1.7995200	1.5659790		-13.0	+/-20
bis(2-chloroethyl) ether	A	5.0000	5.1	1.2396270	1.2632950		1.9	+/-20
2-Chlorophenol	A	5.0000	4.5	1.4607190	1.3032960		-10.8	+/-20
1,3-Dichlorobenzene	A	5.0000	4.8	1.5489360	1.4727770		-4.9	+/-20
1,4-Dichlorobenzene	A	5.0000	4.8	1.4674070	1.4007540		-4.5	+/-20
1,2-Dichlorobenzene	A	5.0000	4.8	1.4391100	1.3720310		-4.7	+/-20
Benzyl Alcohol	A	5.0000	5.0	0.8011083	0.7978689		-0.4	+/-20
2,2'-Oxybis(1-chloropropane)	A	5.0000	5.2	0.4172325	0.4333324		3.9	+/-20
2-Methylphenol	A	5.0000	3.9	1.3076140	1.0270		-21.5	+/-20 *
Hexachloroethane	A	5.0000	4.9	0.5396966	0.5320521		-1.4	+/-20
N-Nitroso-di-n-Propylamine	A	5.0000	5.1	0.7965591	0.8170159		2.6	+/-20
4-Methylphenol	A	5.0000	4.1	1.3794240	1.1372560		-17.6	+/-20
Nitrobenzene	A	5.0000	4.9	0.3354574	0.3273825		-2.4	+/-20
Isophorone	A	5.0000	6.9	0.4275424	0.5939464		38.9	+/-20 *
2-Nitrophenol	A	5.0000	4.6	0.2064997	0.1942317		-8.9	+/-20
2,4-Dimethylphenol	A	5.0000	3.7	0.3501131	0.2564747		-26.7	+/-20 *
Bis(2-Chloroethoxy)methane	A	5.0000	5.7	0.3325989	0.3771945		13.4	+/-20
2,4-Dichlorophenol	A	5.0000	4.4	0.2951237	0.2590228		-12.2	+/-20
1,2,4-Trichlorobenzene	A	5.0000	4.6	0.3191088	0.2919389		-8.5	+/-20
Naphthalene	A	5.0000	4.8	0.9843833	0.9472936		-3.8	+/-20
Benzoic acid	A	10.000	6.4	0.1508906	0.1379528		-36.2	+/-20 *
4-Chloroaniline	A	5.0000	3.8	0.4059568	0.3124698		-23.0	+/-20 *
Hexachlorobutadiene	A	5.0000	4.8	0.1583286	0.1527172		-3.5	+/-20
4-Chloro-3-Methylphenol	A	5.0000	4.5	0.2785027	0.2518784		-9.6	+/-20
2-Methylnaphthalene	A	5.0000	4.6	0.7220739	0.6665809		-7.7	+/-20
Hexachlorocyclopentadiene	A	5.0000	5.1	0.3023695	0.3072422		1.6	+/-20
2,4,6-Trichlorophenol	A	5.0000	4.4	0.3338641	0.2942534		-11.9	+/-20
2,4,5-Trichlorophenol	A	5.0000	4.3	0.3853234	0.3296455		-14.4	+/-20
2-Chloronaphthalene	A	5.0000	4.8	1.1441150	1.0877620		-4.9	+/-20
2-Nitroaniline	A	5.0000	5.0	0.3007956	0.3033642		0.9	+/-20

* Values outside of QC limits

INITIAL CALIBRATION CHECK

EPA 8270E

Laboratory:	Analytical Resources, LLC	SDG:	22L0307
Client:	Anchor QEA, LLC	Project:	AOC4 UR Phase 3
Instrument ID:	NT14	Calibration:	FL00066
Lab File ID:	NT1422123011.D	Calibration Date:	12/30/2022
Sequence:	SKL0355	Injection Date:	12/30/22
Lab Sample ID:	SKL0355-ICV1	Injection Time:	13:31
Sequence Name:	SICV1		

COMPOUND	TYPE	CONC. (ug/mL)		RESPONSE FACTOR			% DRIFT/DIFF	
		STD	ICV	ICAL	ICV	MIN	ICV	LIMIT
Acenaphthylene	A	5.0000	5.0	1.7445240	1.7443980		-0.007	+/-20
Dimethylphthalate	A	5.0000	5.0	1.1280520	1.1331460		0.5	+/-20
2,6-Dinitrotoluene	A	5.0000	5.1	0.2545771	0.2604186		2.3	+/-20
Acenaphthene	A	5.0000	4.9	1.0820160	1.0637410		-1.7	+/-20
3-Nitroaniline	A	5.0000	5.1	0.3094189	0.3148450		1.8	+/-20
2,4-Dinitrophenol	A	5.0000	2.0	0.1831718	0.0884337		-59.3	+/-20 *
Dibenzofuran	A	5.0000	4.7	1.6225950	1.5282140		-5.8	+/-20
4-Nitrophenol	A	5.0000	4.1	0.1384031	0.1217896		-18.5	+/-20
2,4-Dinitrotoluene	A	5.0000	5.0	0.3492859	0.3461866		-0.9	+/-20
Fluorene	A	5.0000	5.2	1.7261350	1.8056560		4.6	+/-20
4-Chlorophenylphenyl ether	A	5.0000	5.1	0.8450792	0.8609263		1.9	+/-20
Diethyl phthalate	A	5.0000	5.4	1.5332690	1.6416350		7.1	+/-20
4-Nitroaniline	A	5.0000	4.7	0.3413732	0.3562087		-5.3	+/-20
4,6-Dinitro-2-methylphenol	A	5.0000	4.1	0.1530278	0.1381873		-18.4	+/-20
N-Nitrosodiphenylamine	A	5.0000	4.8	0.6863845	0.6554505		-4.5	+/-20
4-Bromophenyl phenyl ether	A	5.0000	4.9	0.2599074	0.2567038		-1.2	+/-20
Hexachlorobenzene	A	5.0000	4.6	0.2852204	0.2596992		-8.9	+/-20
Pentachlorophenol	A	5.0000	3.8	0.1128364	0.0955023		-24.1	+/-20 *
Phenanthrene	A	5.0000	4.8	1.0429190	0.9943498		-4.7	+/-20
Anthracene	A	5.0000	4.4	0.9956202	0.8707411		-12.5	+/-20
Carbazole	A	5.0000	4.6	0.9624945	0.8894363		-7.6	+/-20
Di-n-Butylphthalate	A	5.0000	4.9	1.0394700	1.1158650		-1.4	+/-20
Fluoranthene	A	5.0000	5.1	1.2879410	1.3111240		1.8	+/-20
Pyrene	A	5.0000	5.0	1.3541610	1.3601200		0.4	+/-20
Butylbenzylphthalate	A	5.0000	5.0	0.4650792	0.5203752		0.09	+/-20
Benzo(a)anthracene	A	5.0000	4.9	1.2117210	1.1850410		-2.2	+/-20
3,3'-Dichlorobenzidine	A	10.000	9.2	0.3709370	0.3415118		-7.9	+/-20
Chrysene	A	5.0000	4.8	1.1445730	1.0903960		-4.7	+/-20
bis(2-Ethylhexyl)phthalate	A	5.0000	5.9	0.4442323	0.5241207		18.0	+/-20
Di-n-Octylphthalate	A	5.0000	5.1	0.9601702	0.9761882		1.7	+/-20

* Values outside of QC limits

INITIAL CALIBRATION CHECK

EPA 8270E

Laboratory: Analytical Resources, LLC

Client: Anchor QEA, LLC

Instrument ID: NT14

Lab File ID: NT1422123011.D

Sequence: SKL0355

Lab Sample ID: SKL0355-ICV1

Sequence Name: SICV1

SDG: 22L0307

Project: AOC4 UR Phase 3

Calibration: FL00066

Calibration Date: 12/30/2022

Injection Date: 12/30/22

Injection Time: 13:31

		CONC. (ug/mL)		RESPONSE FACTOR			% DRIFT/DIFF	
COMPOUND	TYPE	STD	ICV	ICAL	ICV	MIN	ICV	LIMIT
Benzofluoranthenes, Total	A	10.000	10.0	1.2153330	1.2119120		-0.3	+/-20
Benzo(a)pyrene	A	5.0000	5.1	1.0450150	1.0641750		1.8	+/-20
Indeno(1,2,3-cd)pyrene	A	5.0000	5.1	1.1879490	1.2184330		2.6	+/-20
Dibenzo(a,h)anthracene	A	5.0000	5.1	1.0094890	1.0270870		1.7	+/-20
Benzo(g,h,i)perylene	A	5.0000	5.0	0.9951726	1.0026110		0.7	+/-20
1-Methylnaphthalene	A	5.0000	4.7	0.6937882	0.6481720		-6.6	+/-20
2-Fluorophenol	A	7.5000	7.32	1.2814900	1.2501890		-2.4	+/-20
Phenol-d5	A	7.5000	7.40	1.5836890	1.5617500		-1.4	+/-20
2-Chlorophenol-d4	A	7.5000	7.32	1.3300510	1.2977780		-2.4	+/-20
1,2-Dichlorobenzene-d4	A	5.0000	4.77	0.9090592	0.8665877		-4.7	+/-20
Nitrobenzene-d5	A	5.0000	4.86	0.3377760	0.3284412		-2.8	+/-20
2-Fluorobiphenyl	A	5.0000	4.82	1.3448860	1.2955820		-3.7	+/-20
2,4,6-Tribromophenol	A	7.5000	7.24	0.1844845	0.1880717		-3.5	+/-20
p-Terphenyl-d14	A	5.0000	4.82	0.9601842	0.9248755		-3.7	+/-20
1,4-Dichlorobenzene-d4	A	4.0000	4.0	37290.1800	1.0000		0.0	
Naphthalene-d8	A	4.0000	4.0	136223.9000	1.0000		0.0	
Acenaphthene-d10	A	4.0000	4.0	73667.8600	1.0000		0.0	
Phenanthrene-d10	A	4.0000	4.0	117990.4000	1.0000		0.0	
Chrysene-d12	A	4.0000	4.0	101321.8000	1.0000		0.0	
Di-n-Octylphthalate-d4	A	4.0000	4.0	149451.2000	1.0000		0.0	
Perylene-d12	A	4.0000	4.0	93469.2100	1.0000		0.0	

* Values outside of QC limits

* Values outside of QC limits

Data File: \\target\share\chem3\nt14.i\20221230.b\NT1422123011.D

Date : 30-DEC-2022 13:31

Client ID:

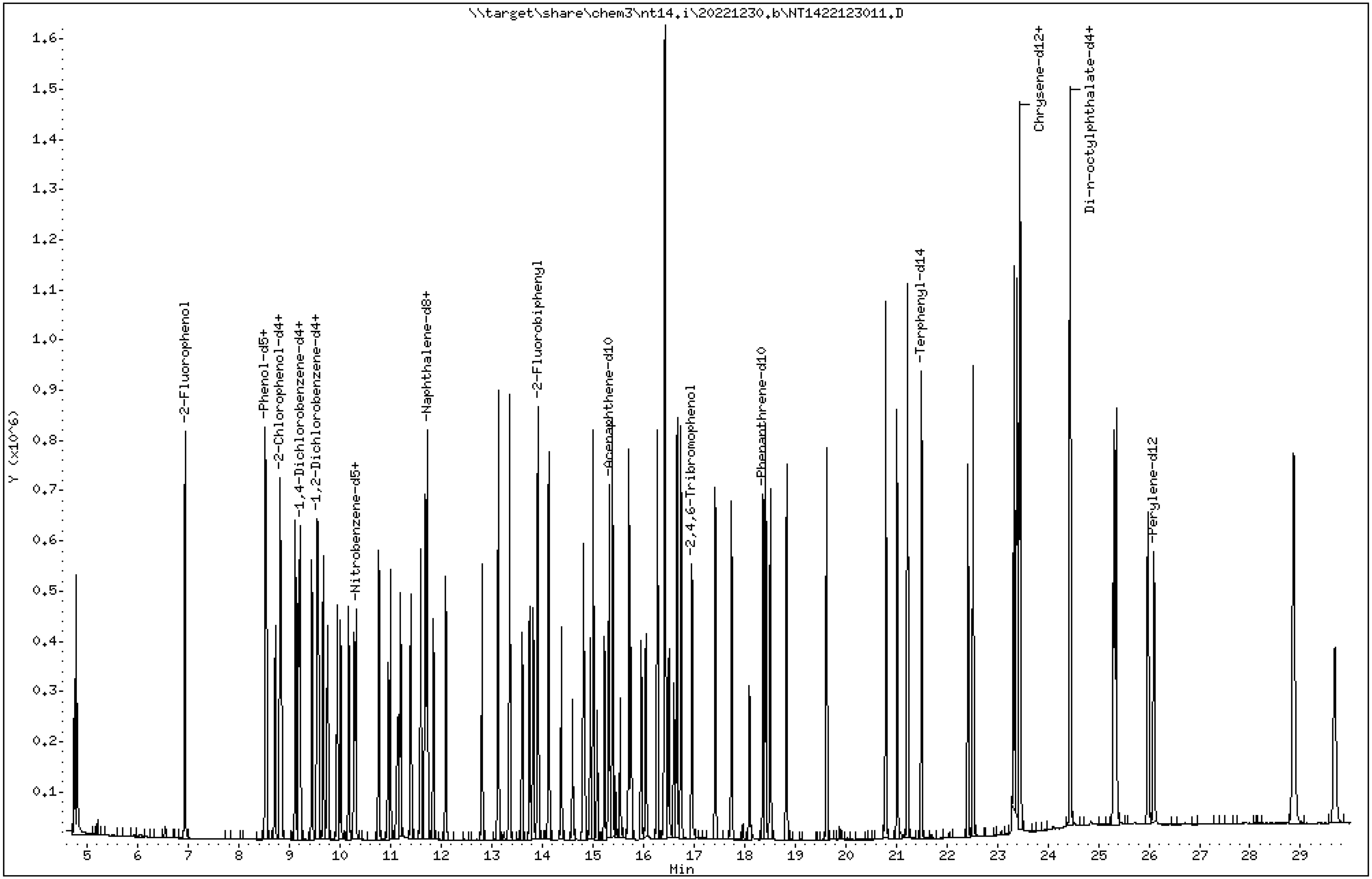
Instrument: nt14.i

Sample Info: SKL0355-SCV1

Operator: VTS

Column phase: ZB-5msi

Column diameter: 0.25



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Date : 30-DEC-2022 13:31

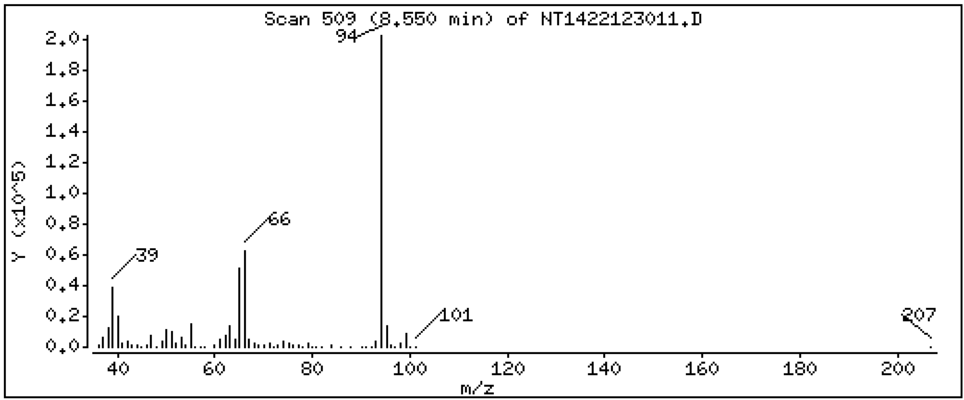
Client ID: Instrument: nt14.i

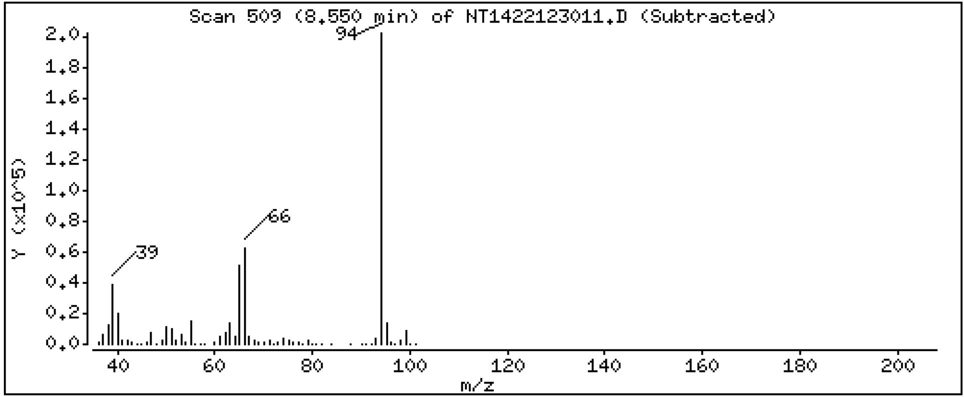
Sample Info: SKL0355-SCV1

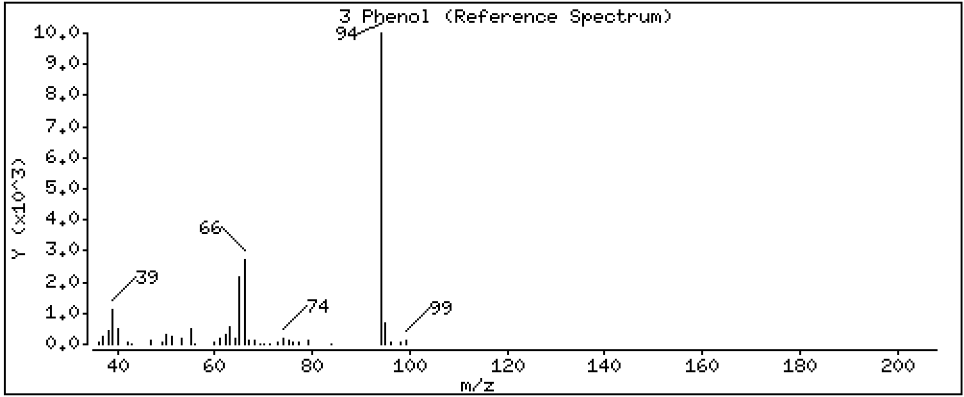
Operator: VTS

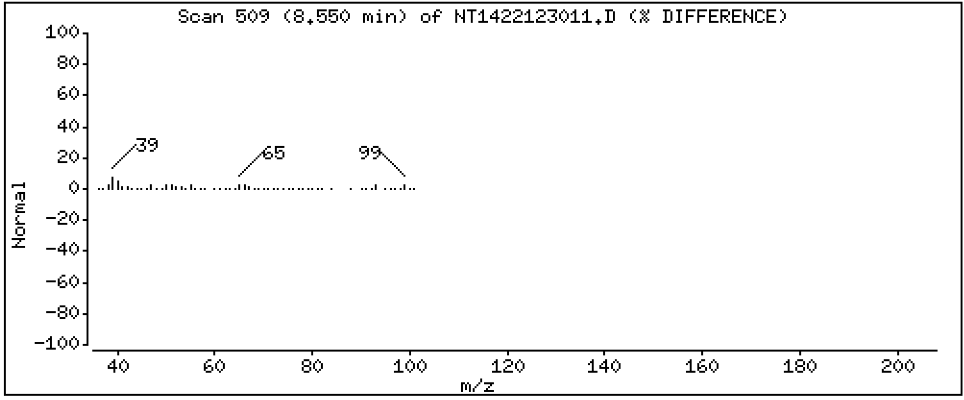
Column phase: ZB-5msi Column diameter: 0.25

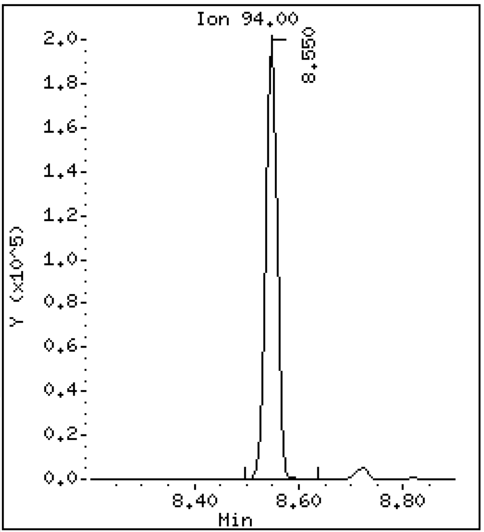
3 Phenol Concentration: 4.351 ug/mL

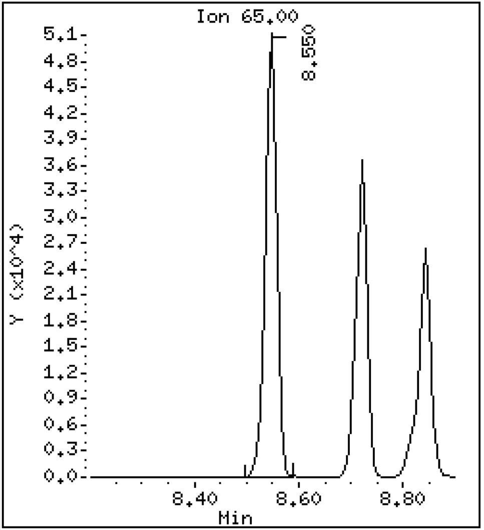


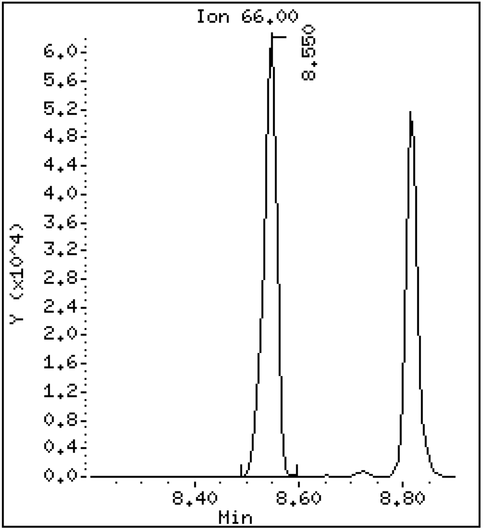












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Date : 30-DEC-2022 13:31

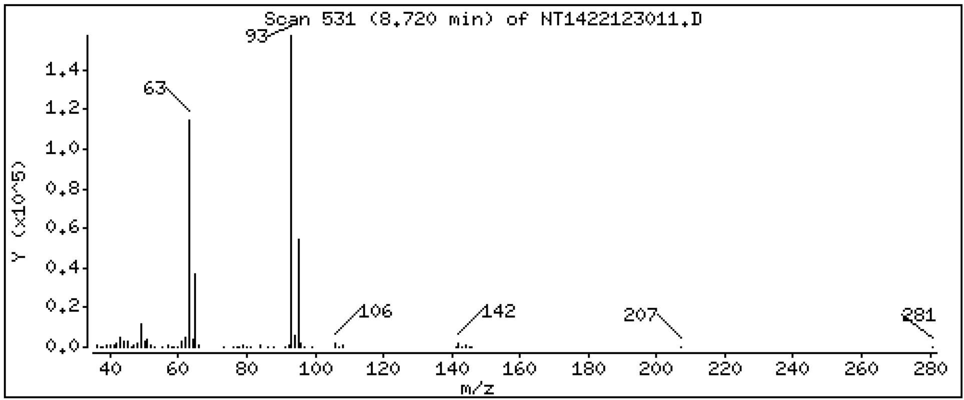
Client ID: Instrument: nt14.i

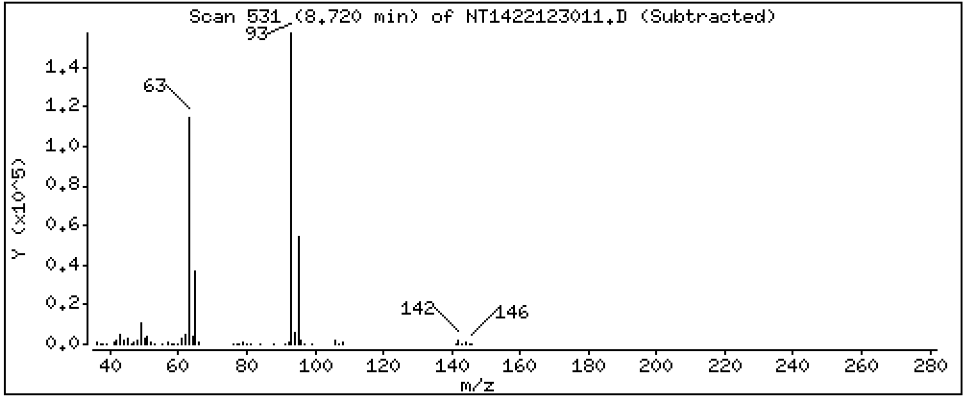
Sample Info: SKL0355-SCV1

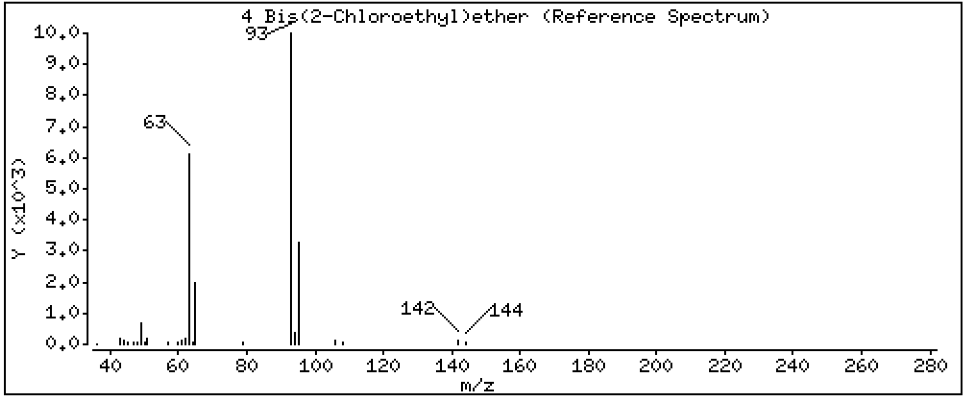
Operator: VTS

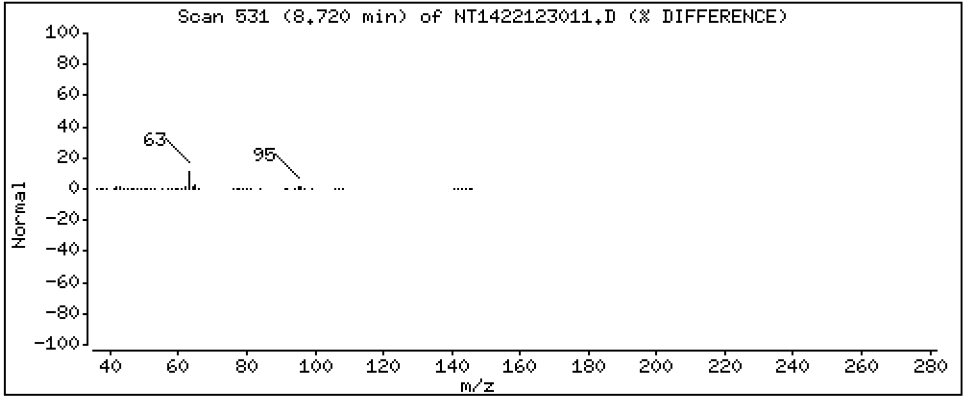
Column phase: ZB-5msi Column diameter: 0.25

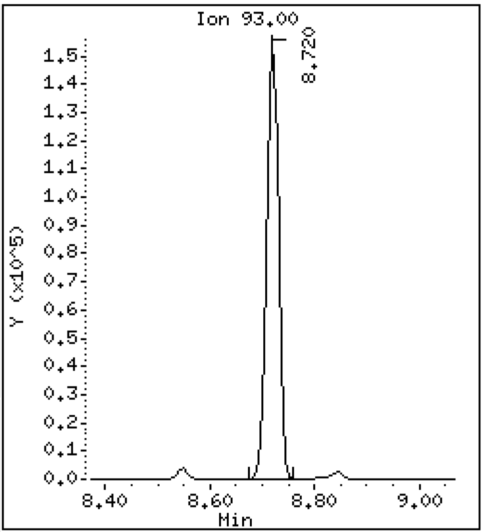
4 Bis(2-Chloroethyl)ether Concentration: 5.095 ug/mL

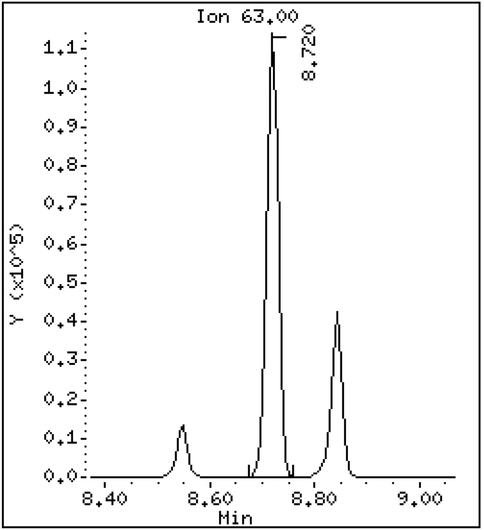


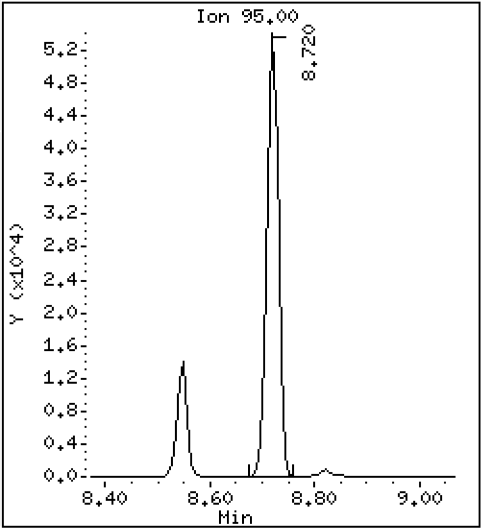












Data File: \\target\share\chem3\nt14.i\20221230.b\NT1422123011.D

Date : 30-DEC-2022 13:31

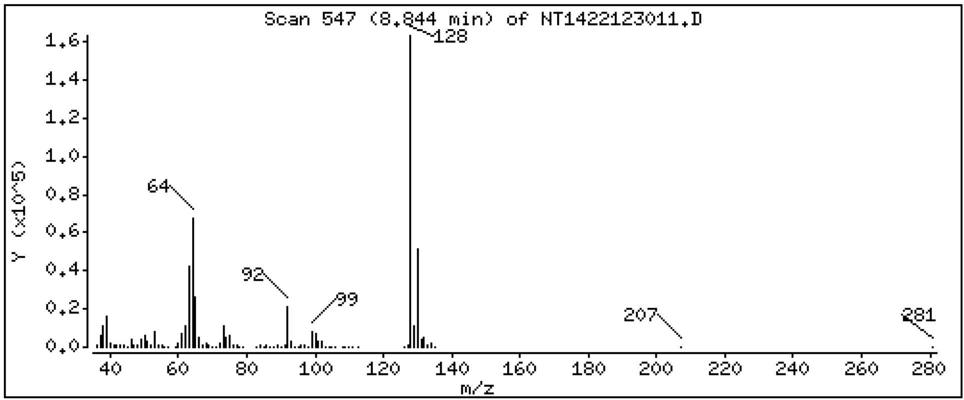
Client ID: Instrument: nt14.i

Sample Info: SKL0355-SCV1

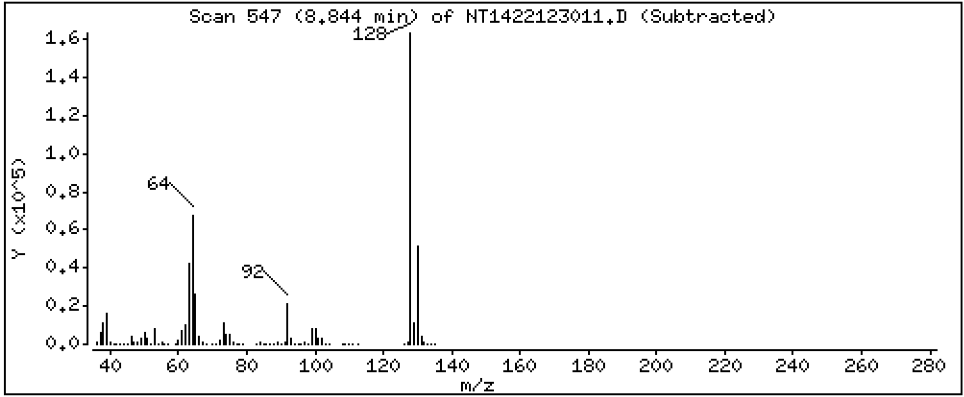
Operator: VTS

Column phase: ZB-5msi Column diameter: 0.25

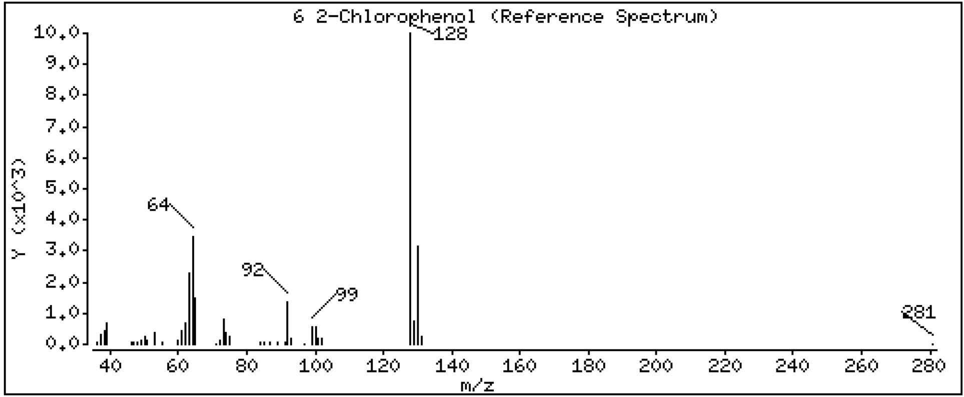
6 2-Chlorophenol Concentration: 4.461 ug/mL



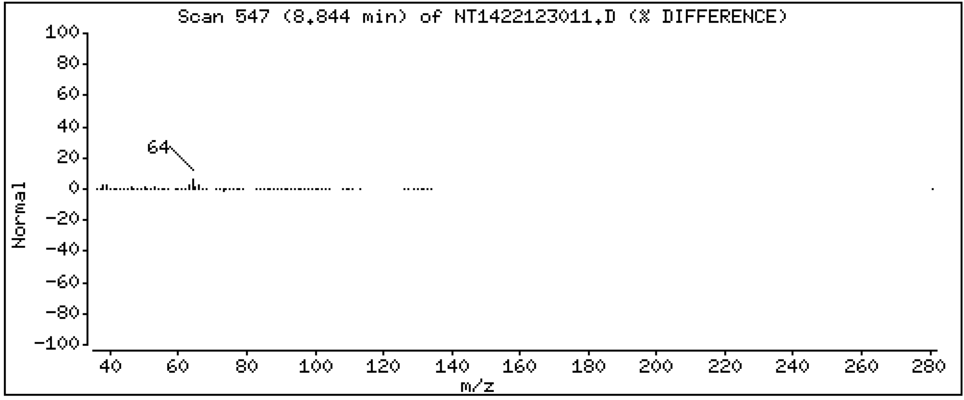
Scan 547 (8.844 min) of NT1422123011.D



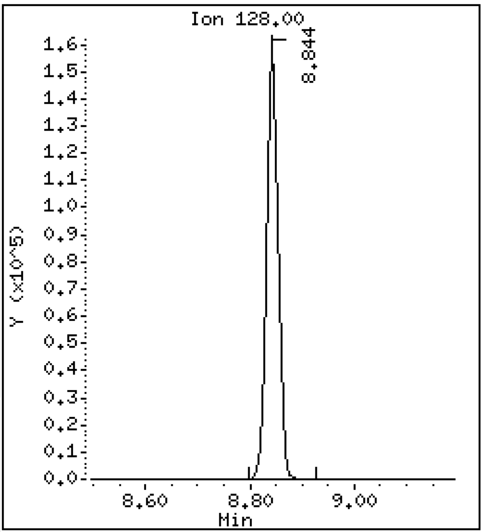
Scan 547 (8.844 min) of NT1422123011.D (Subtracted)



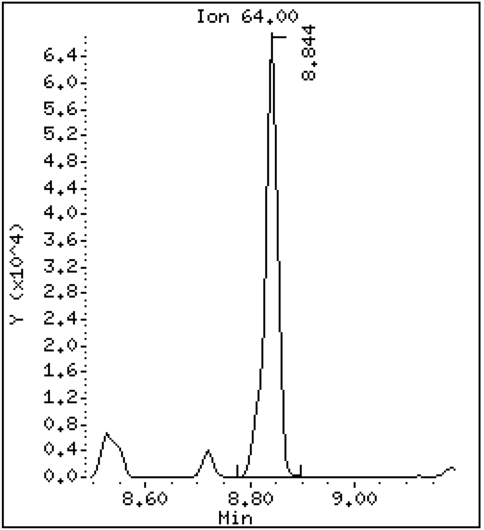
6 2-Chlorophenol (Reference Spectrum)



Scan 547 (8.844 min) of NT1422123011.D (% DIFFERENCE)



Ion 128.00



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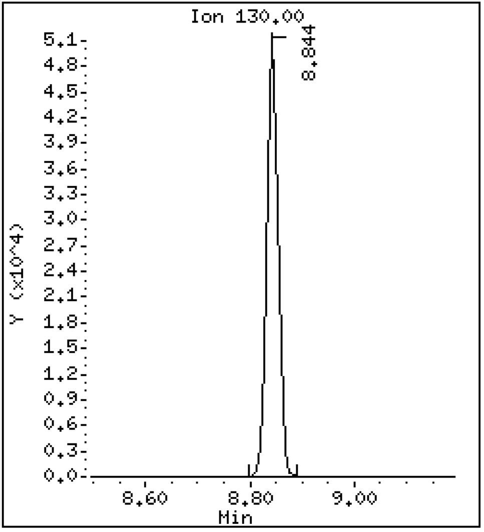


Ion 130.00

Date : 30-DEC-2022 13:31

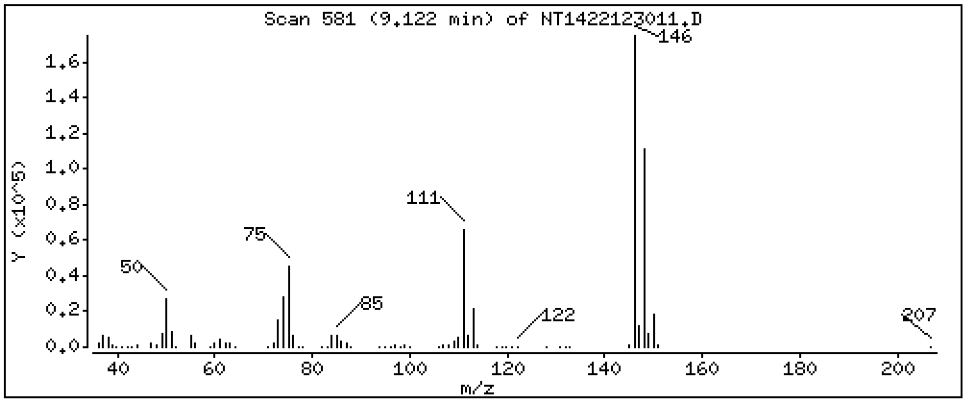
Client ID: Instrument: nt14.i

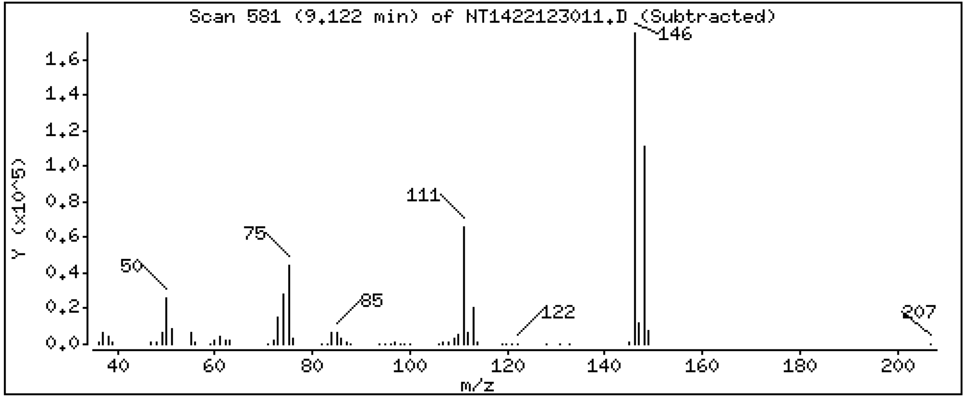
Sample Info: SKL0355-SCV1

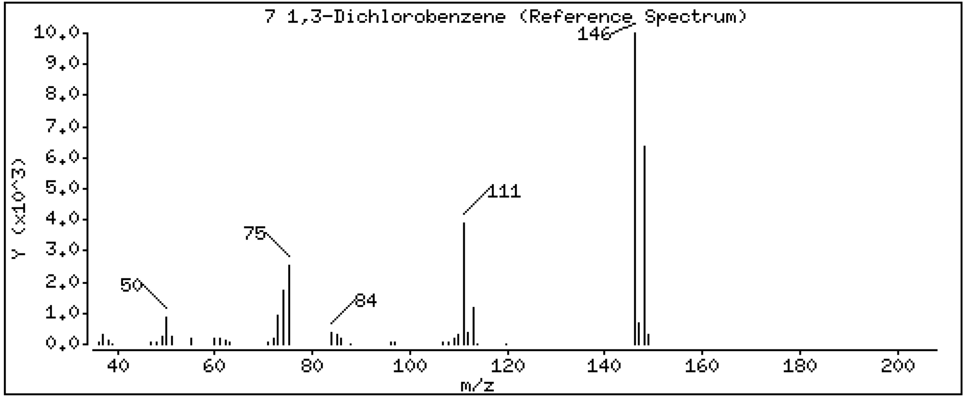
Operator: VTS

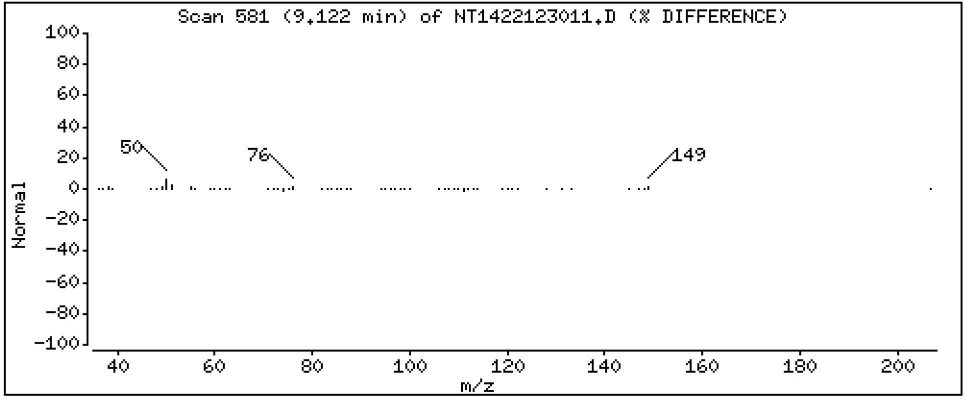
Column phase: ZB-5msi Column diameter: 0.25

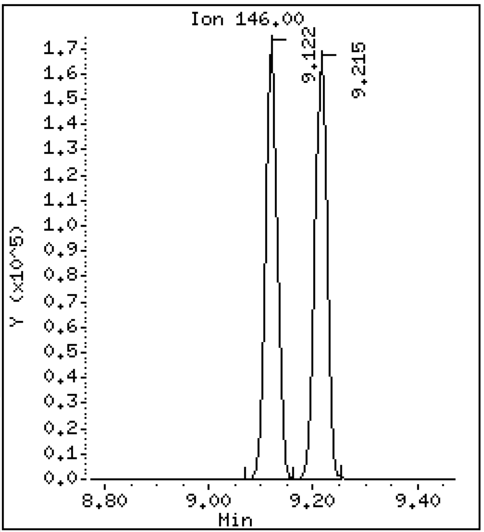
7 1,3-Dichlorobenzene Concentration: 4.754 ug/mL


Scan 581 (9.122 min) of NT1422123011.D


Scan 581 (9.122 min) of NT1422123011.D (Subtracted)


7 1,3-Dichlorobenzene (Reference Spectrum)


Scan 581 (9.122 min) of NT1422123011.D (% DIFFERENCE)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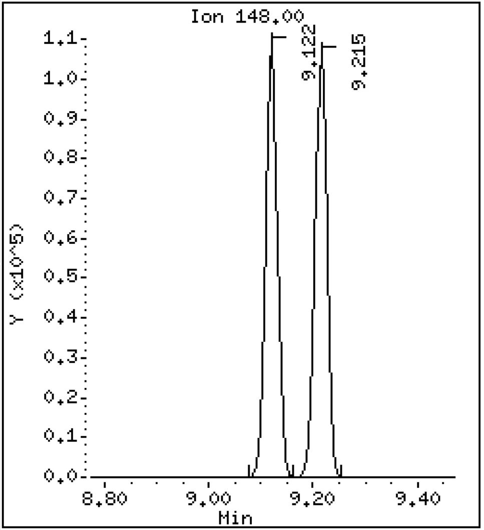
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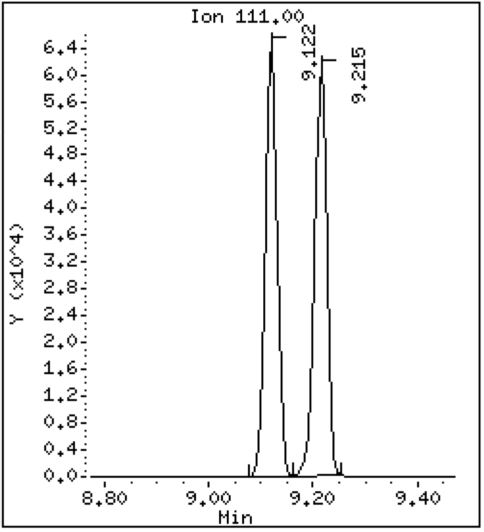
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Data File: \\target\share\chem3\nt14.i\20221230.b\NT1422123011.D

Date : 30-DEC-2022 13:31

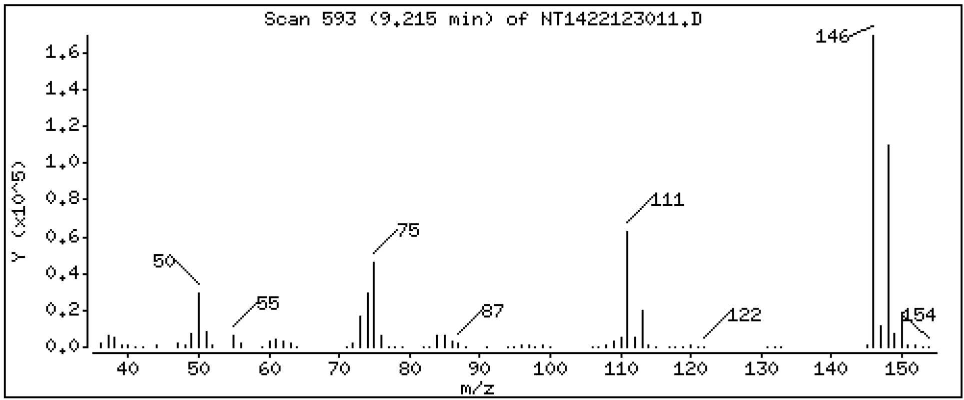
Client ID: Instrument: nt14.i

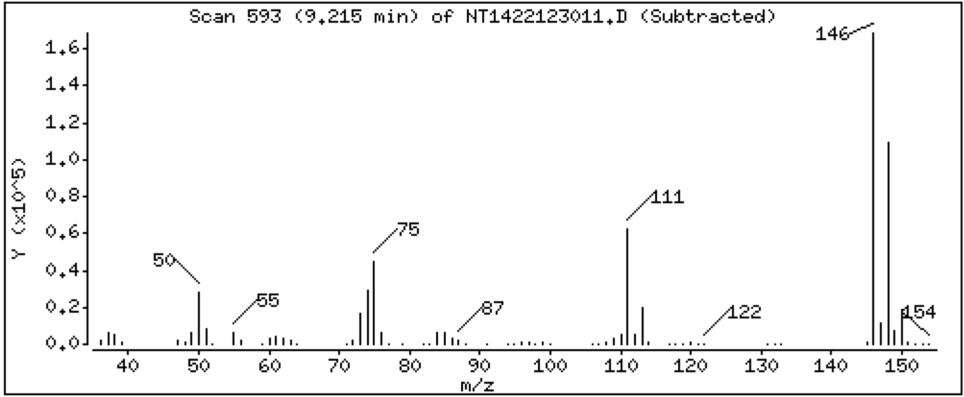
Sample Info: SKL0355-SCV1

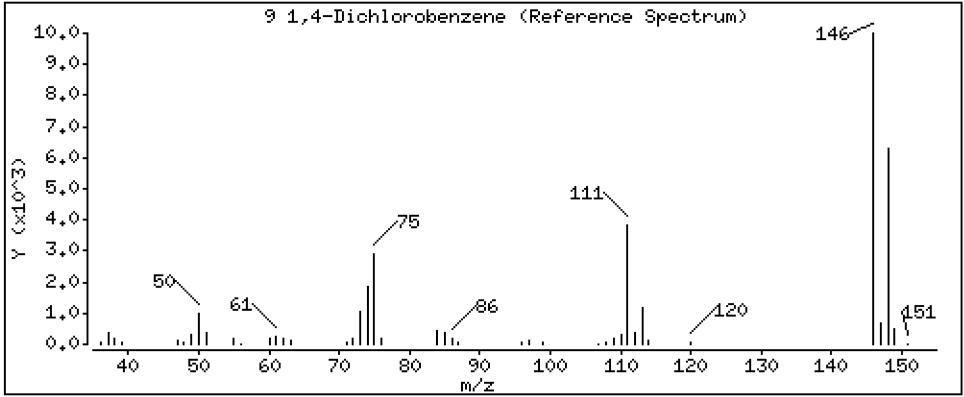
Operator: VTS

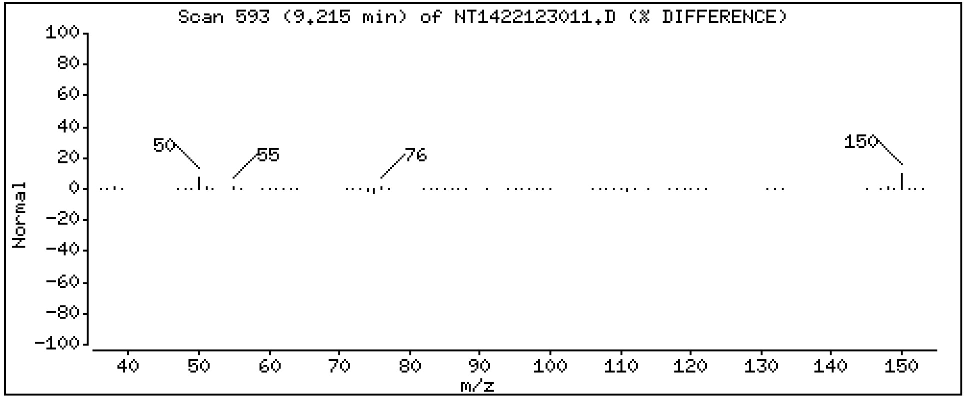
Column phase: ZB-5msi Column diameter: 0.25

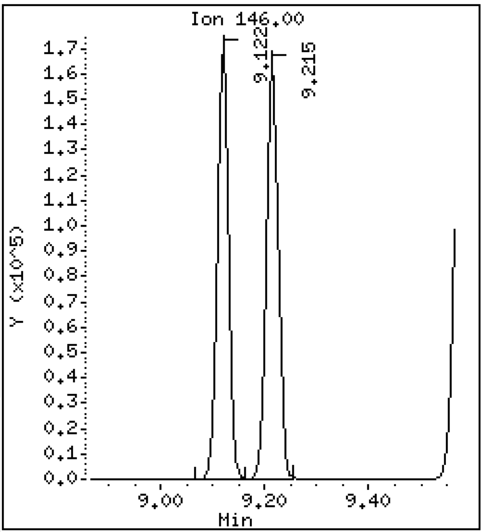
9 1,4-Dichlorobenzene Concentration: 4.773 ug/mL


Scan 593 (9.215 min) of NT1422123011.D


Scan 593 (9.215 min) of NT1422123011.D (Subtracted)


9 1,4-Dichlorobenzene (Reference Spectrum)


Scan 593 (9.215 min) of NT1422123011.D (% DIFFERENCE)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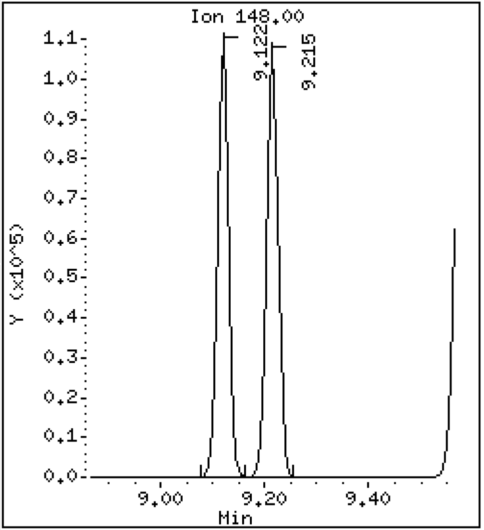
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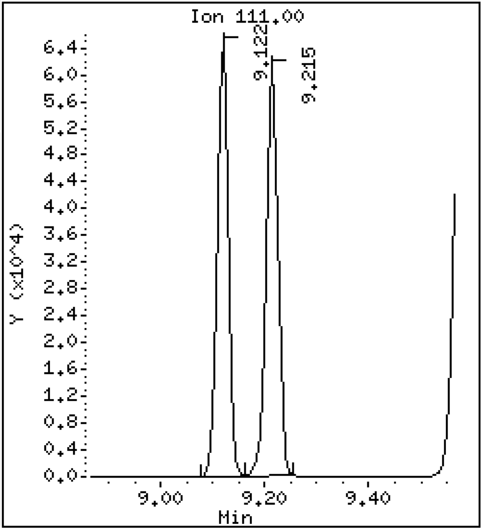

Ion 111.00

Date : 30-DEC-2022 13:31

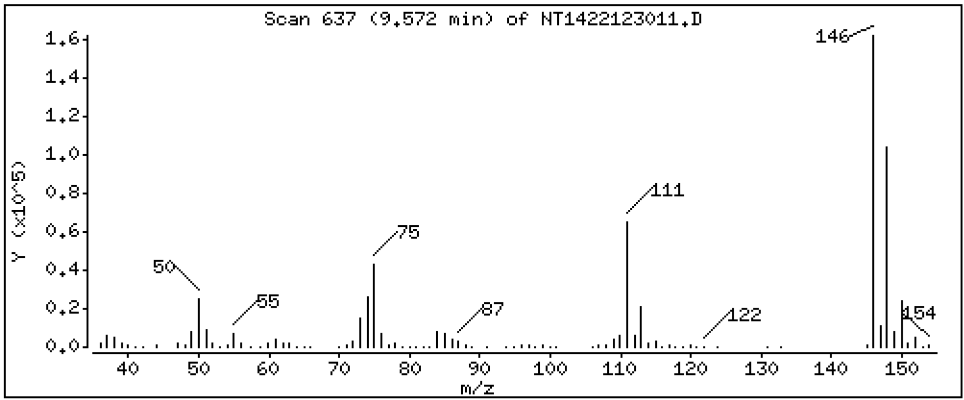
Client ID: Instrument: nt14.i

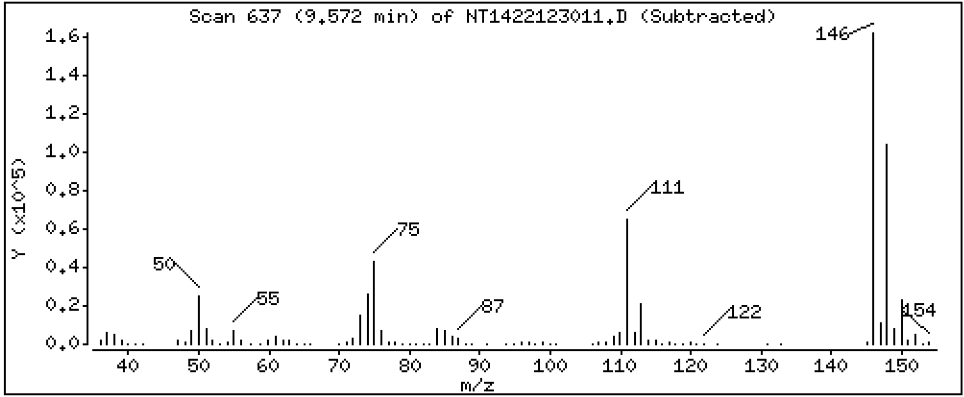
Sample Info: SKL0355-SCV1

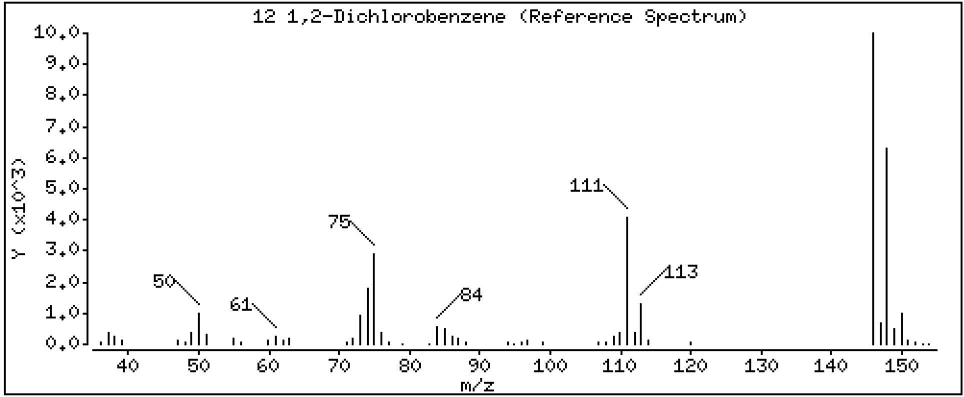
Operator: VTS

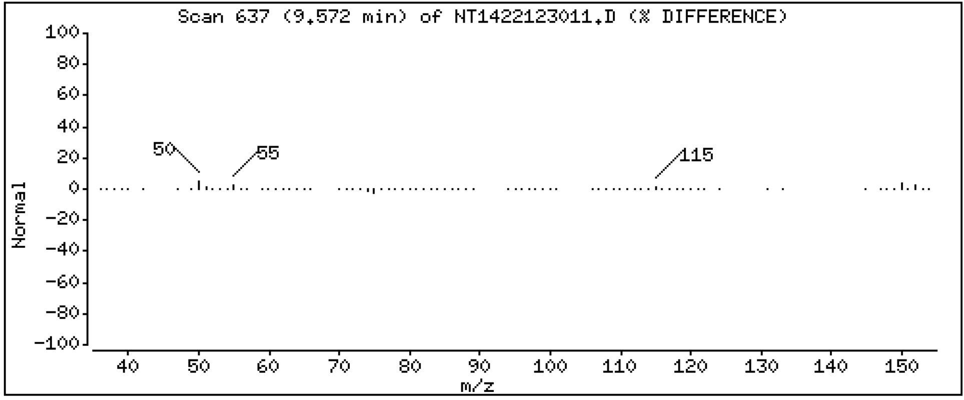
Column phase: ZB-5msi Column diameter: 0.25

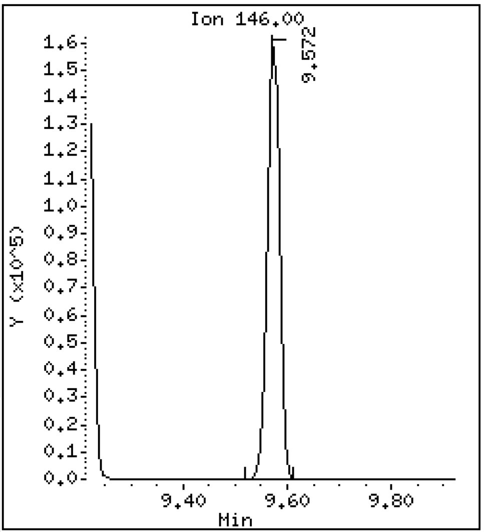
12 1,2-Dichlorobenzene Concentration: 4.767 ug/mL


Scan 637 (9.572 min) of NT1422123011.D


Scan 637 (9.572 min) of NT1422123011.D (Subtracted)


12 1,2-Dichlorobenzene (Reference Spectrum)


Scan 637 (9.572 min) of NT1422123011.D (% DIFFERENCE)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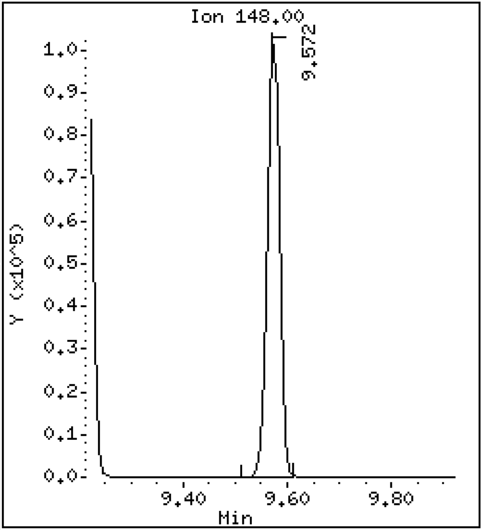
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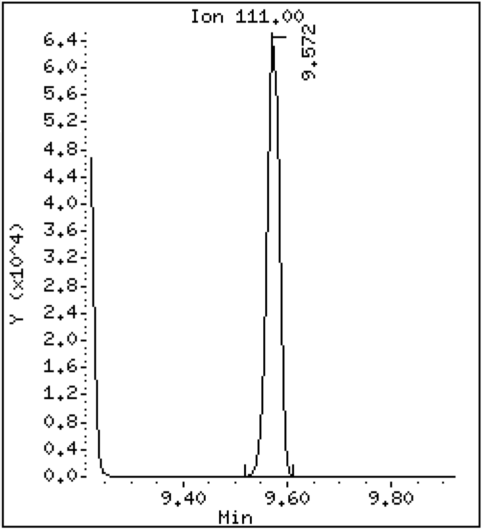

Ion 111.00

Data File: \\target\share\chem3\nt14.i\20221230.b\NT1422123011.D

Date : 30-DEC-2022 13:31

Client ID:

Instrument: nt14.i

Sample Info: SKL0355-SCV1

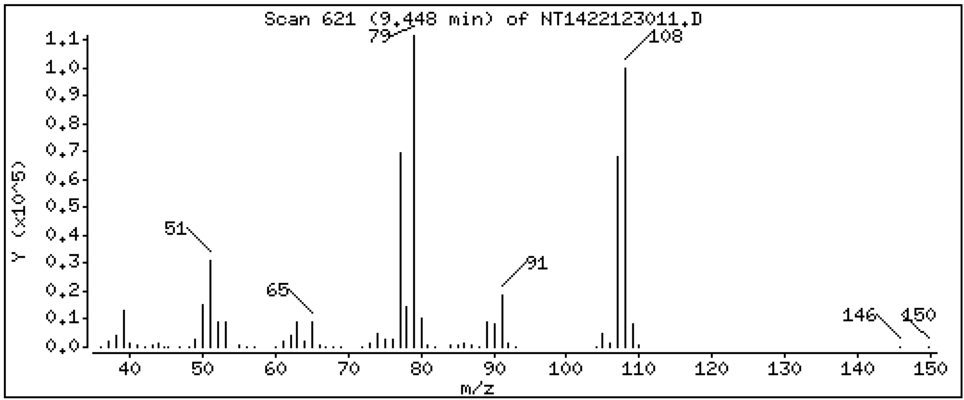
Operator: VTS

Column phase: ZB-5msi

Column diameter: 0.25

11 Benzyl alcohol

Concentration: 4.980 ug/mL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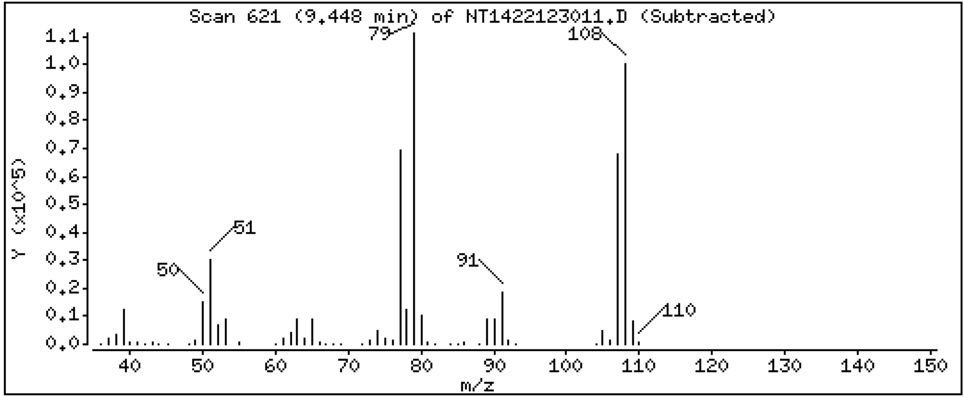
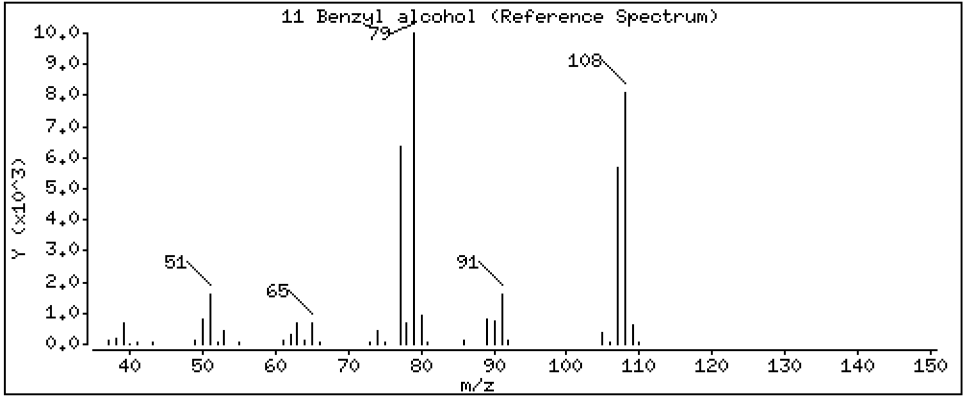
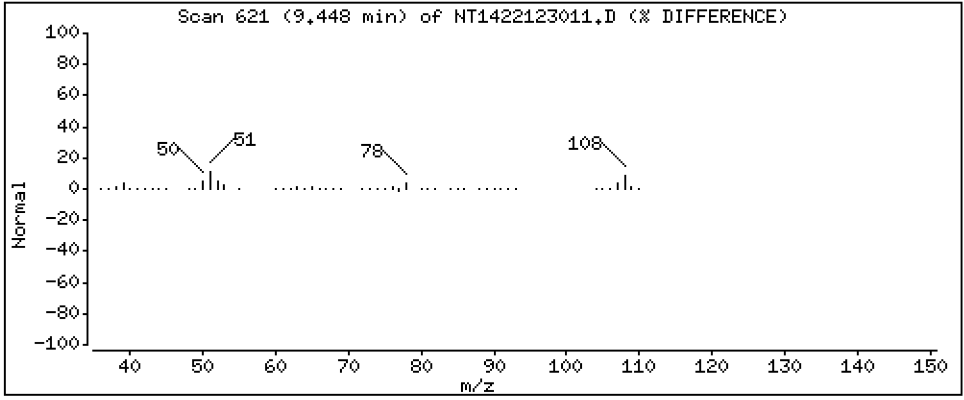
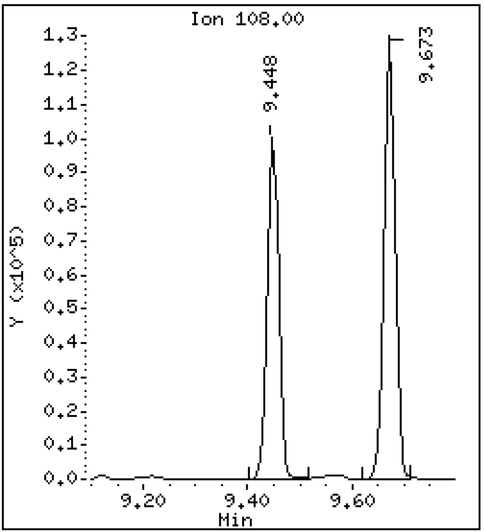
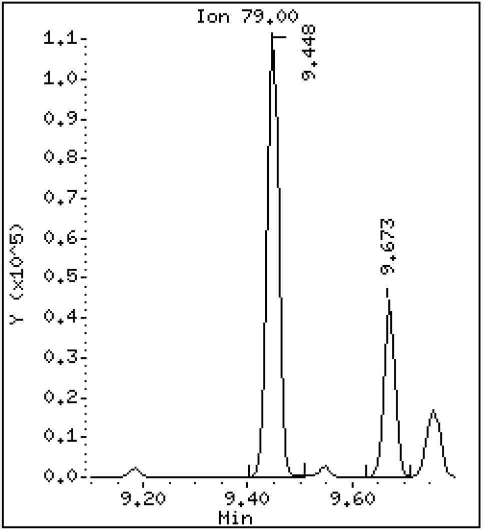

Scan 621 (9.448 min) of NT1422123011.D (Subtracted)


11 Benzyl alcohol (Reference Spectrum)


Scan 621 (9.448 min) of NT1422123011.D (% DIFFERENCE)


Ion 108.00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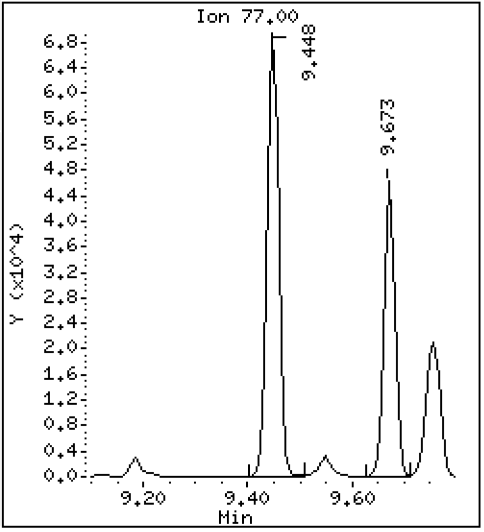

Ion 77.00

Data File: \\target\share\chem3\nt14.i\20221230.b\NT1422123011.D

Date : 30-DEC-2022 13:31

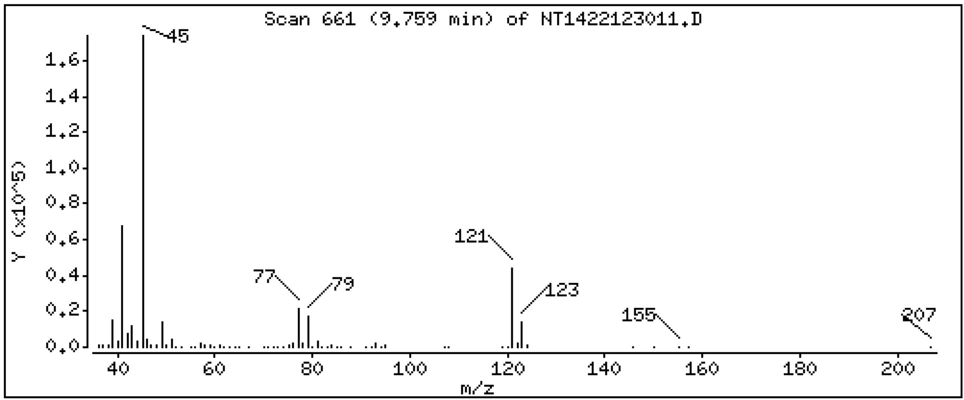
Client ID: Instrument: nt14.i

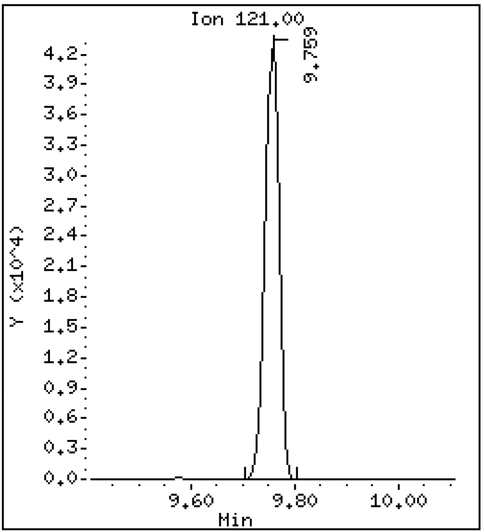
Sample Info: SKL0355-SCV1

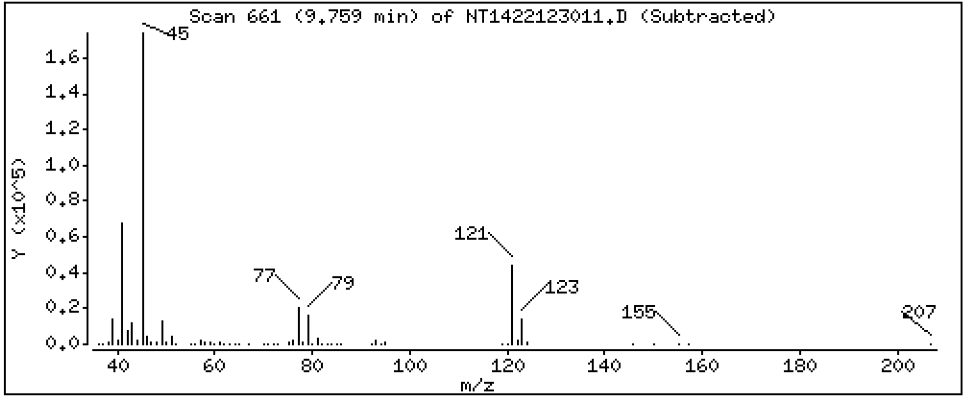
Operator: VTS

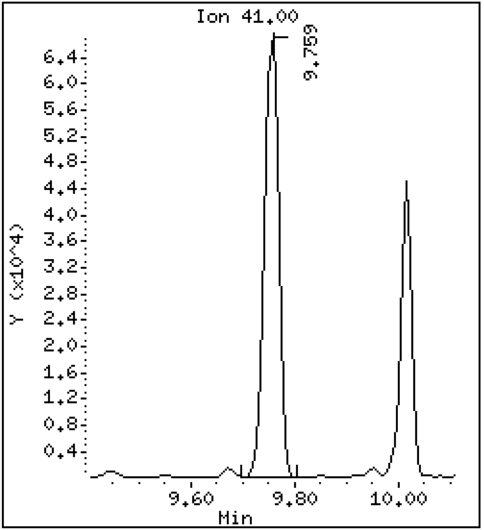
Column phase: ZB-5msi Column diameter: 0.25

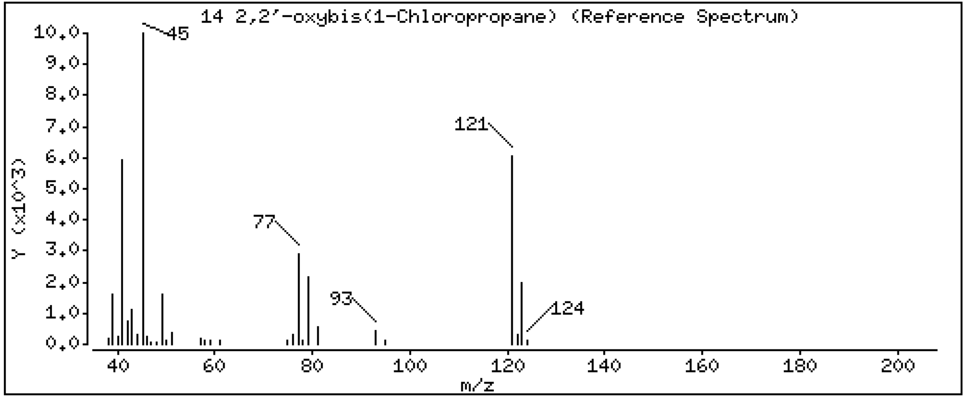
14 2,2'-oxybis(1-Chloropropane) Concentration: 5.193 ug/mL

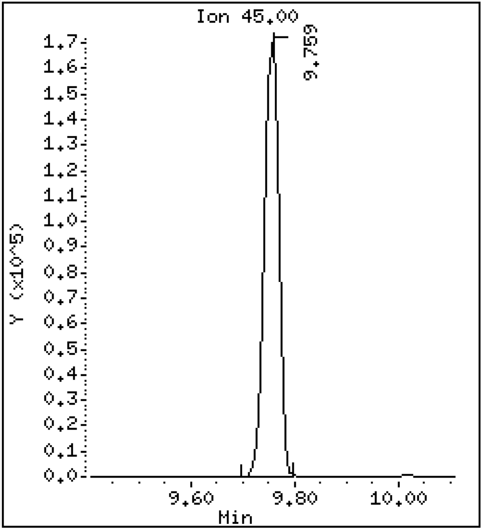


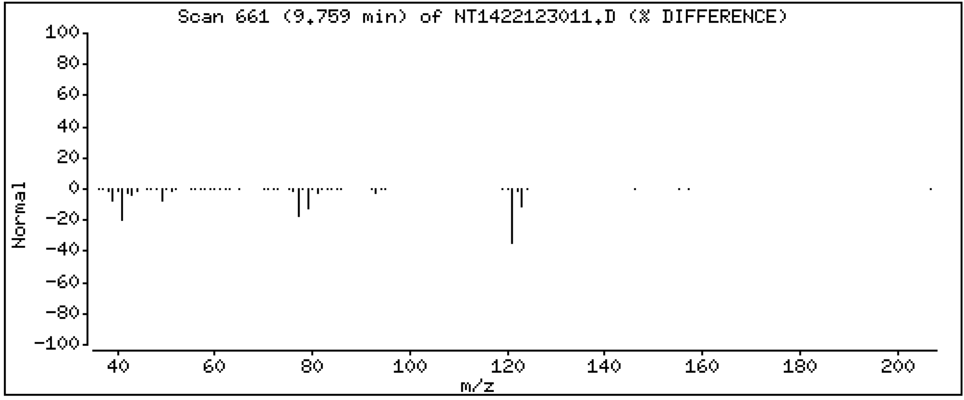












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Date : 30-DEC-2022 13:31

Client ID:

Instrument: nt14.i

Sample Info: SKL0355-SCV1

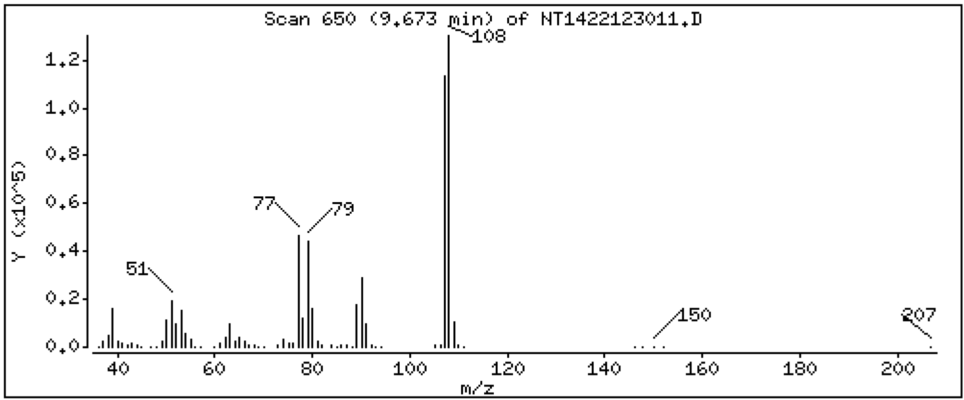
Operator: VTS

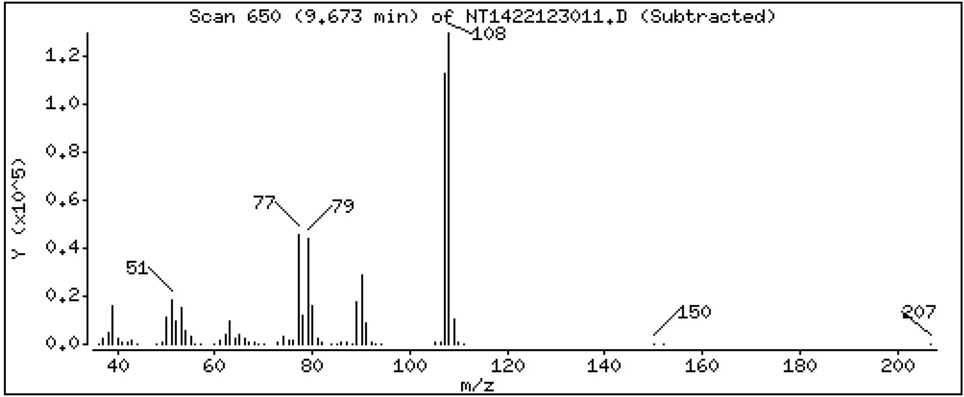
Column phase: ZB-5msi

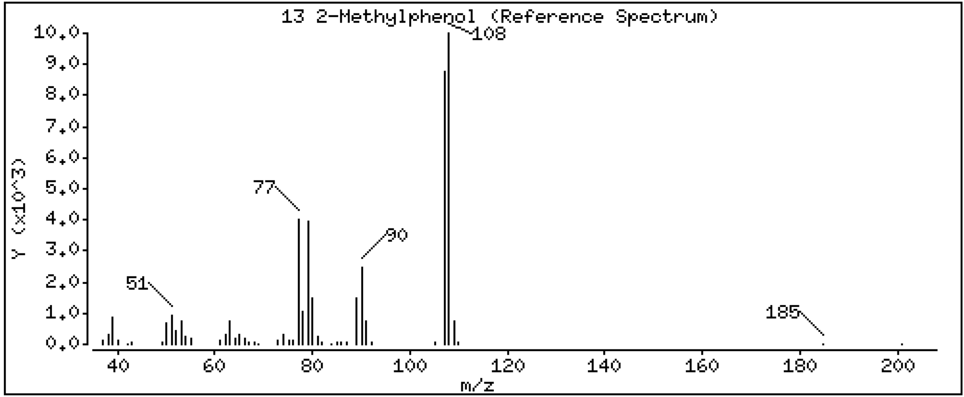
Column diameter: 0.25

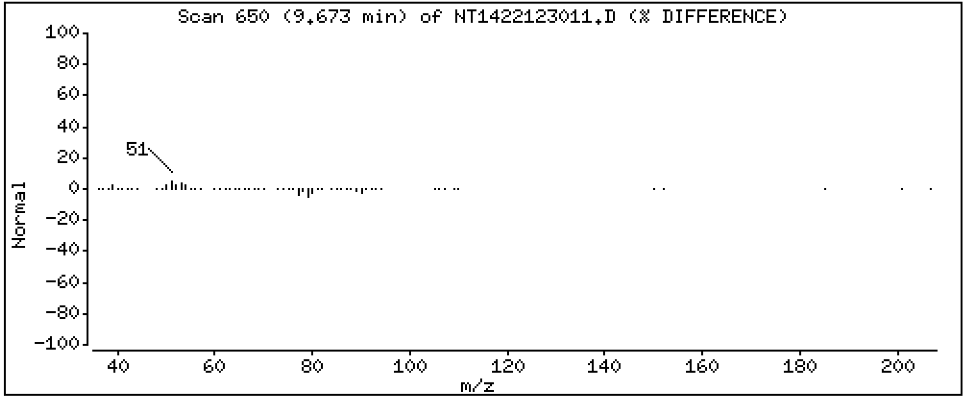
13 2-Methylphenol

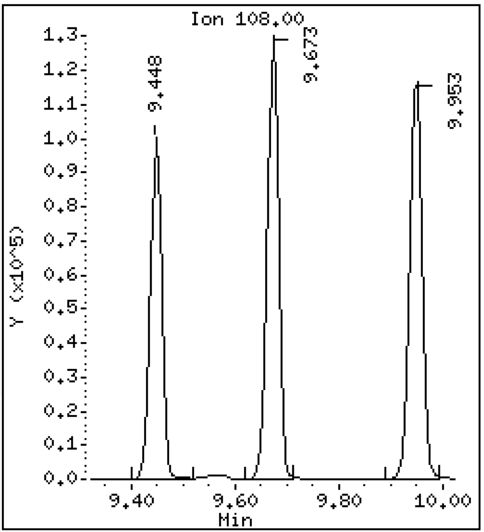
Concentration: 3.927 ug/mL

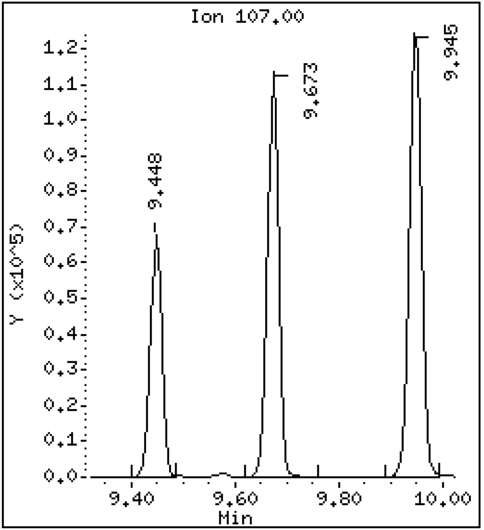


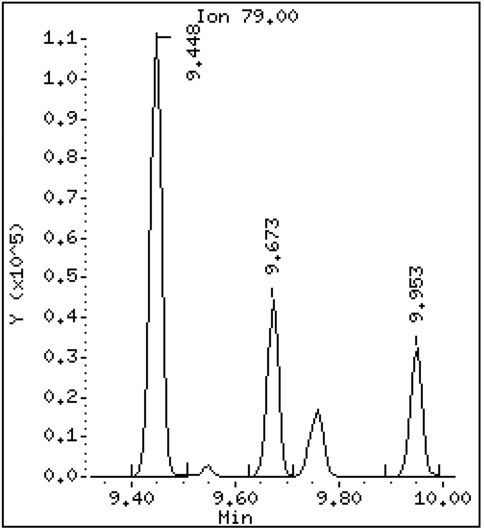












Data File: \\target\share\chem3\nt14.i\20221230.b\NT1422123011.D

Date : 30-DEC-2022 13:31

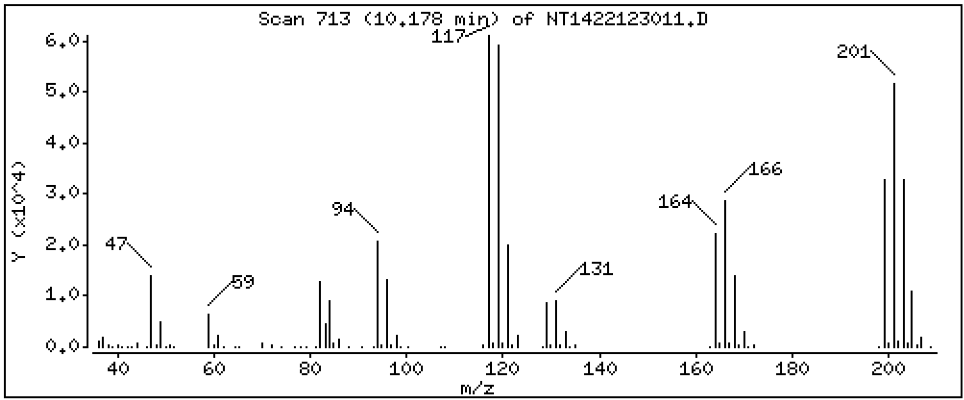
Client ID: Instrument: nt14.i

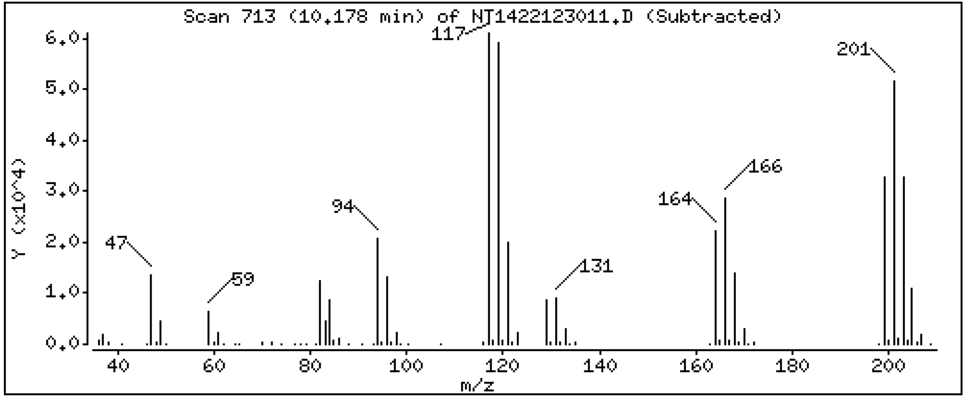
Sample Info: SKL0355-SCV1

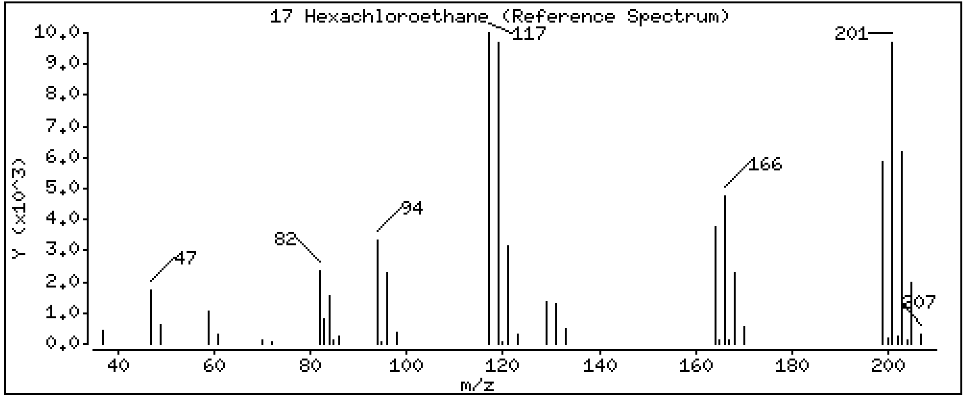
Operator: VTS

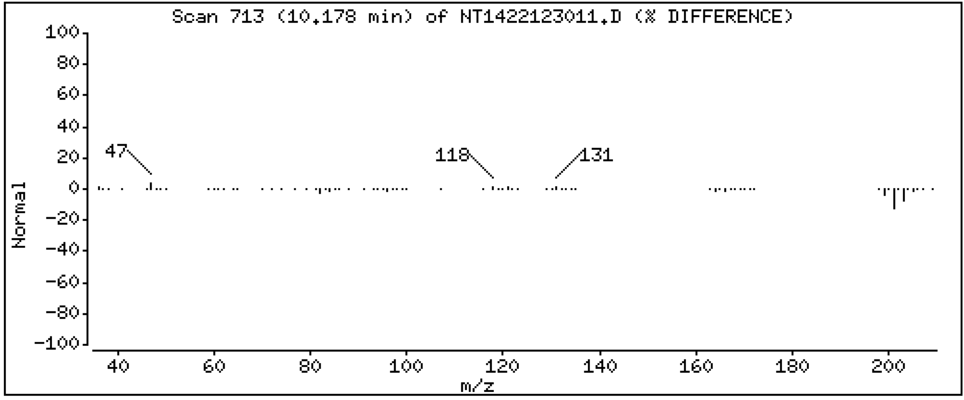
Column phase: ZB-5msi Column diameter: 0.25

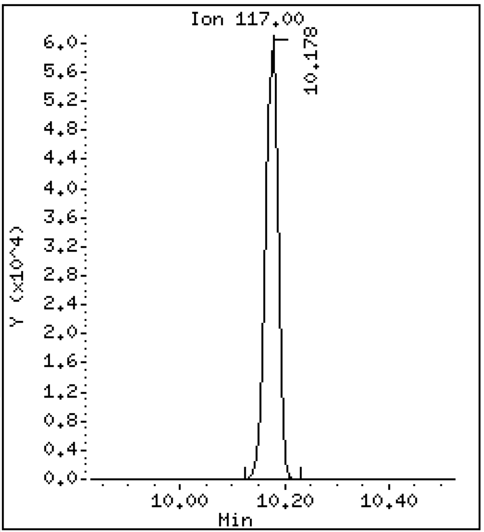
17 Hexachloroethane Concentration: 4.929 ug/mL

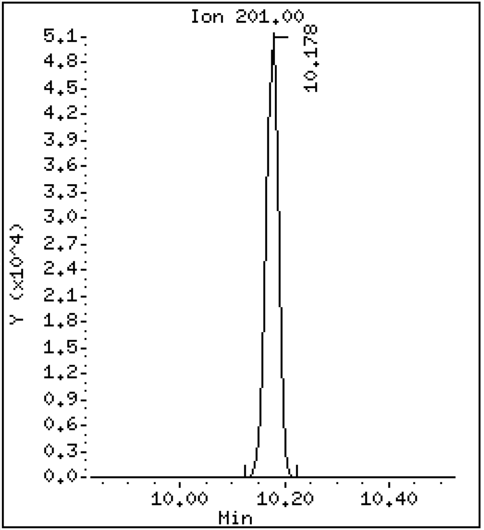

Scan 713 (10.178 min) of NT1422123011.D


Scan 713 (10.178 min) of NT1422123011.D (Subtracted)


17 Hexachloroethane (Reference Spectrum)


Scan 713 (10.178 min) of NT1422123011.D (% DIFFERENCE)


Ion 117.00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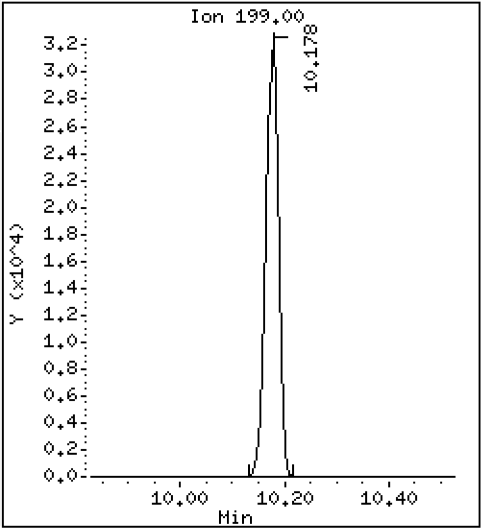

Ion 199.00

Data File: \\target\share\chem3\nt14.i\20221230.b\NT1422123011.D

Date : 30-DEC-2022 13:31

Client ID:

Instrument: nt14.i

Sample Info: SKL0355-SCV1

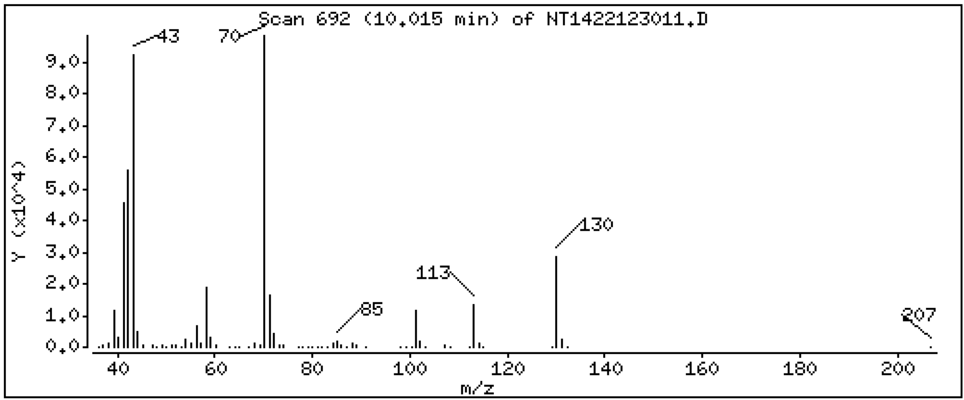
Operator: VTS

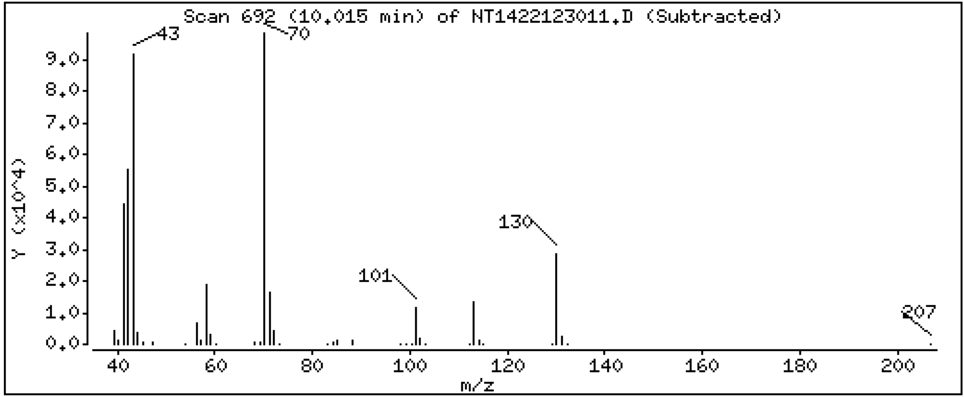
Column phase: ZB-5msi

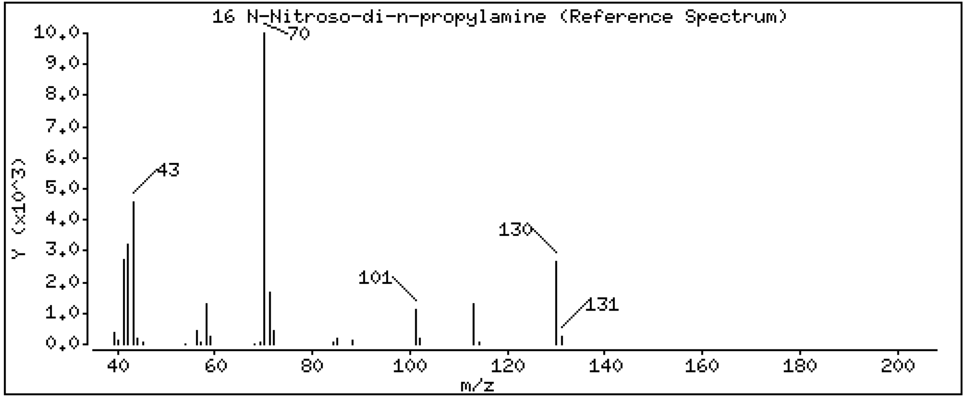
Column diameter: 0.25

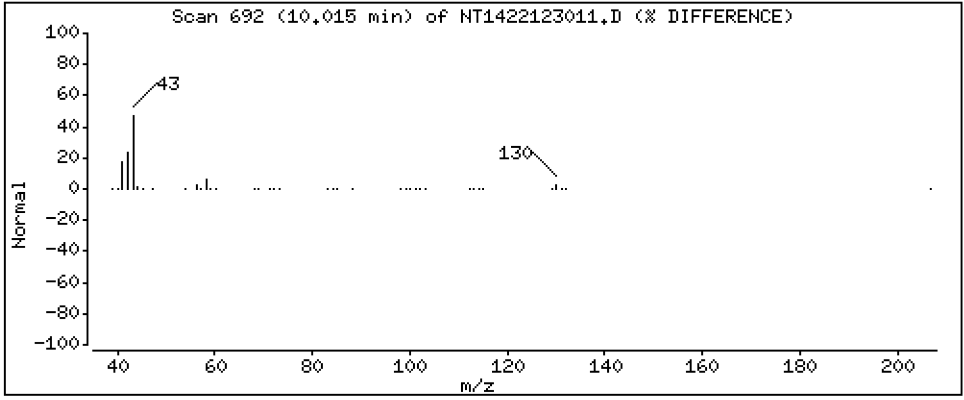
16 N-Nitroso-di-n-propylamine

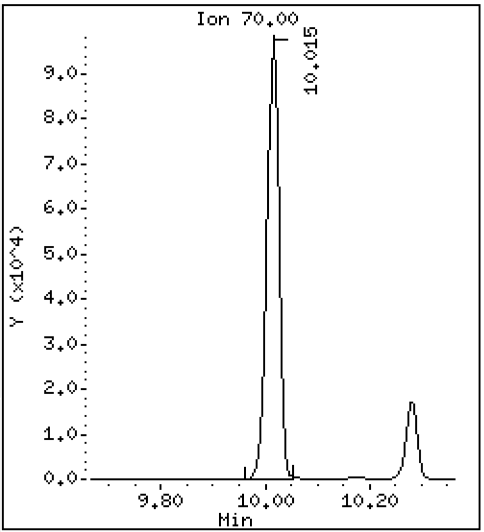
Concentration: 5.128 ug/mL

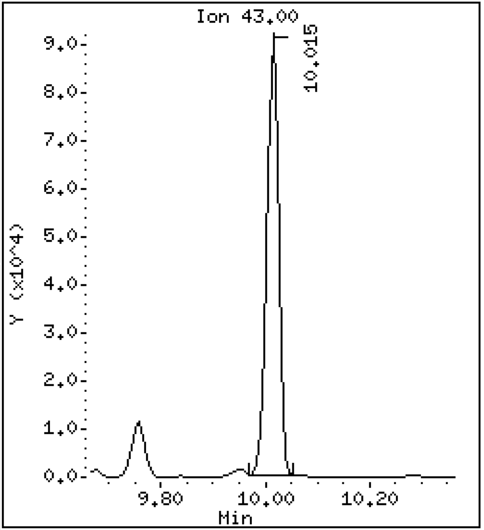


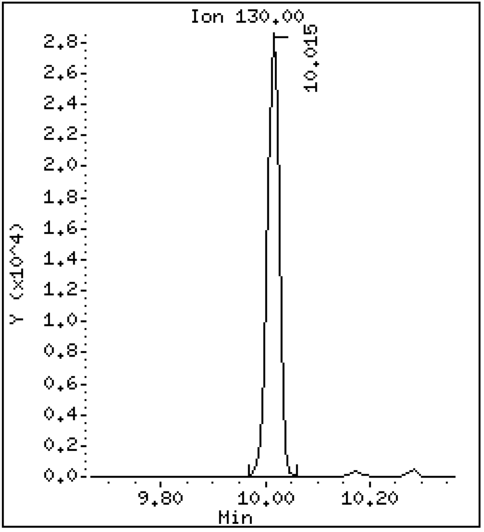












Data File: \\target\share\chem3\nt14.i\20221230.b\NT1422123011.D

Date : 30-DEC-2022 13:31

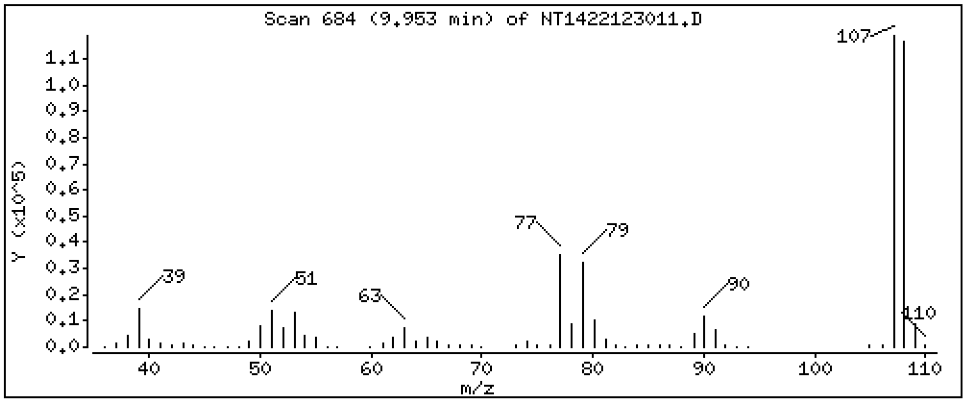
Client ID: Instrument: nt14.i

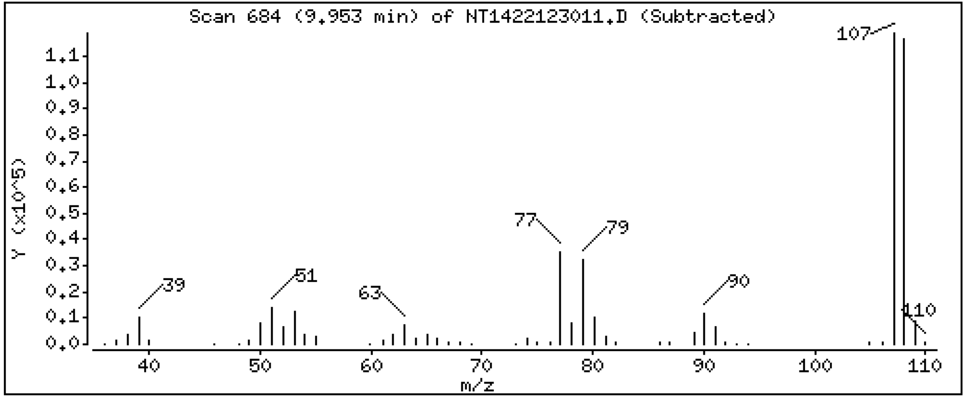
Sample Info: SKL0355-SCV1

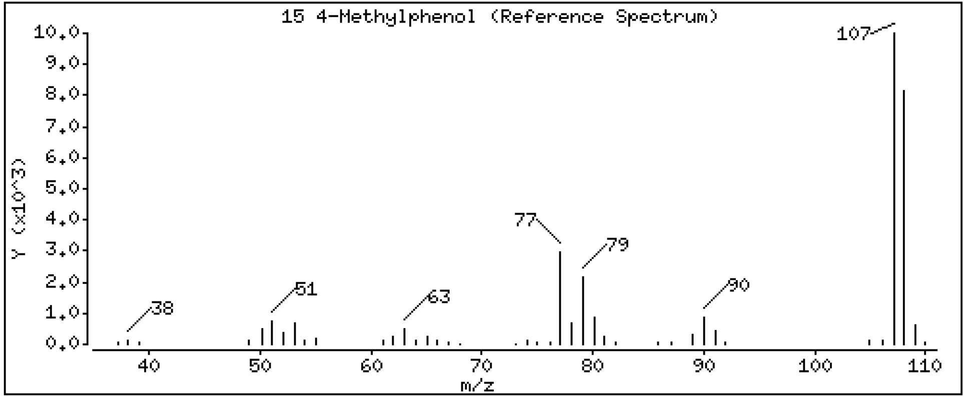
Operator: VTS

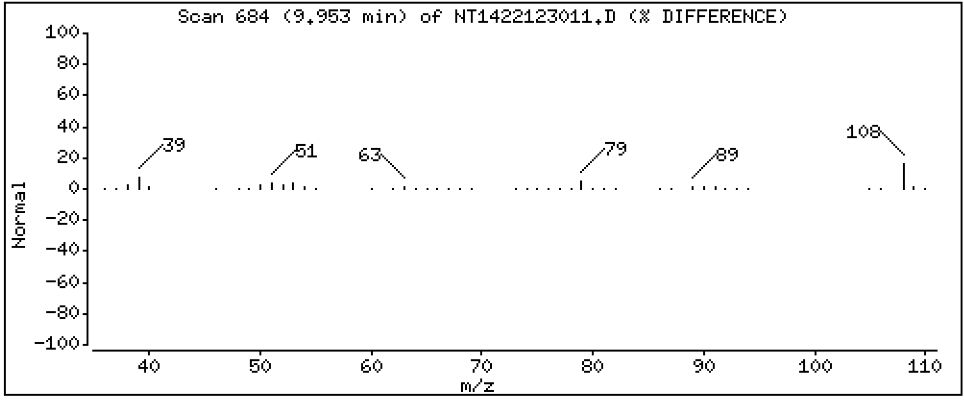
Column phase: ZB-5msi Column diameter: 0.25

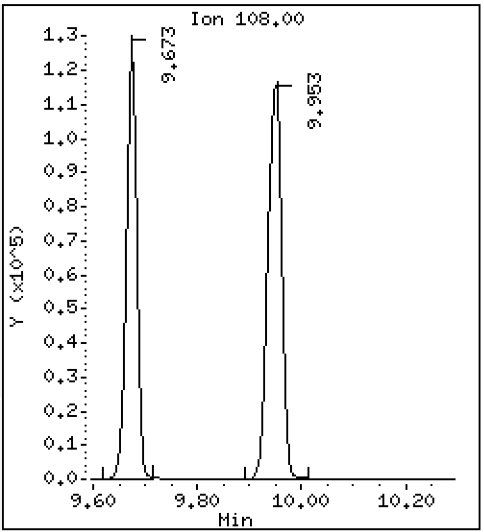
15 4-Methylphenol Concentration: 4.122 ug/mL

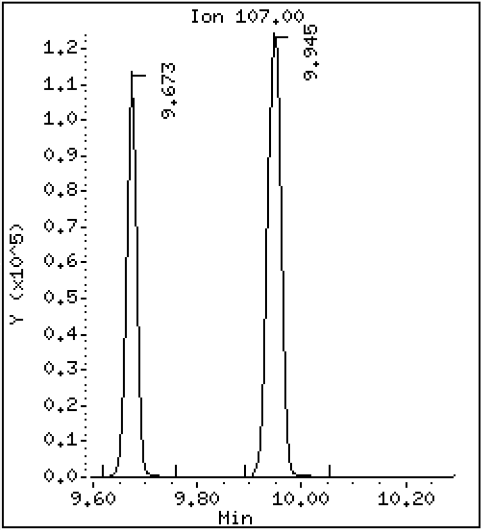

Scan 684 (9.953 min) of NT1422123011.D

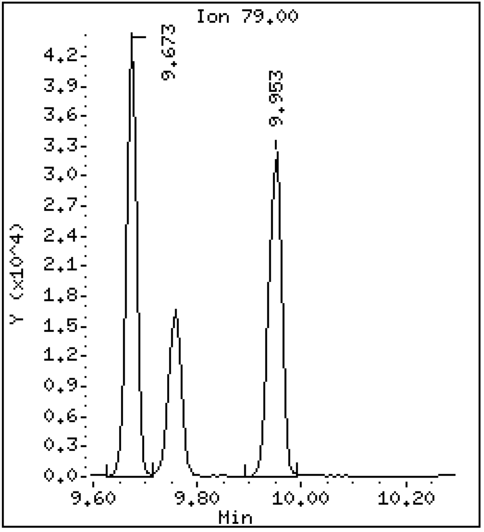

Scan 684 (9.953 min) of NT1422123011.D (Subtracted)


15 4-Methylphenol (Reference Spectrum)


Scan 684 (9.953 min) of NT1422123011.D (% DIFFERENCE)


Ion 108.00


Ion 107.00


Ion 79.00

Data File: \\target\share\chem3\nt14.i\20221230.b\NT1422123011.D

Date : 30-DEC-2022 13:31

Client ID:

Instrument: nt14.i

Sample Info: SKL0355-SCV1

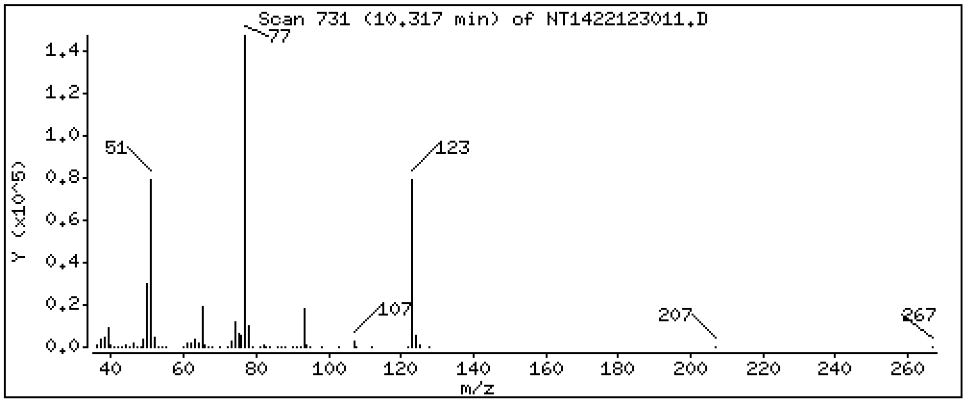
Operator: VTS

Column phase: ZB-5msi

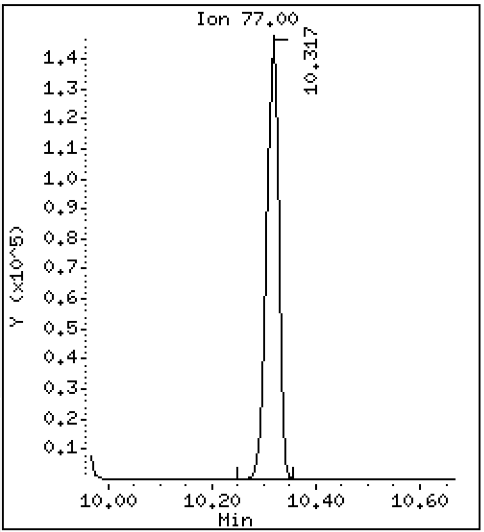
Column diameter: 0.25

19 Nitrobenzene

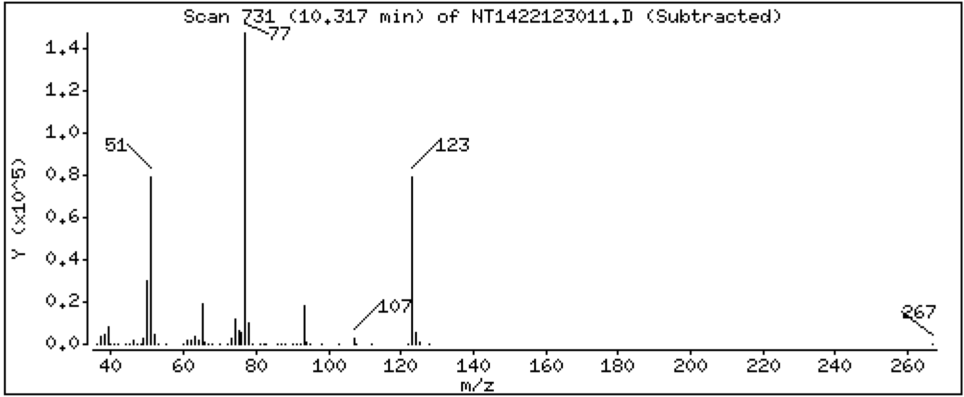
Concentration: 4.880 ug/mL



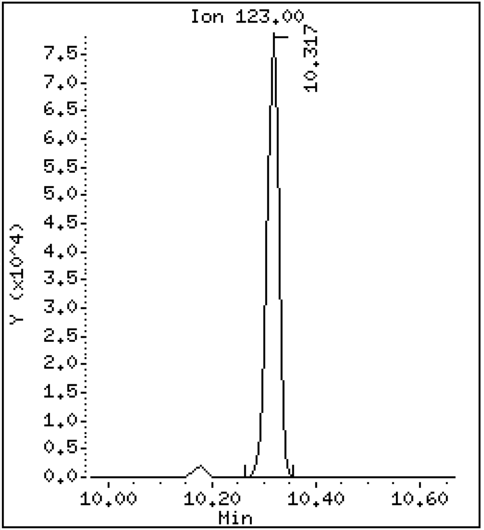
Scan 731 (10.317 min) of NT1422123011.D



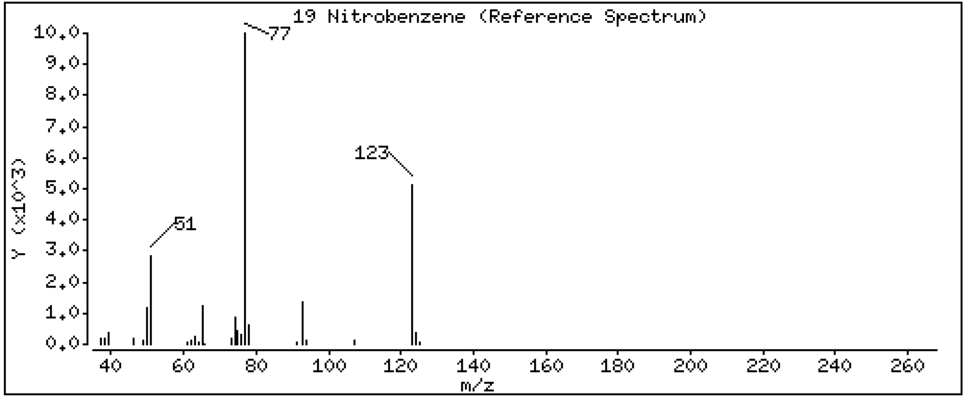
Ion 77.00



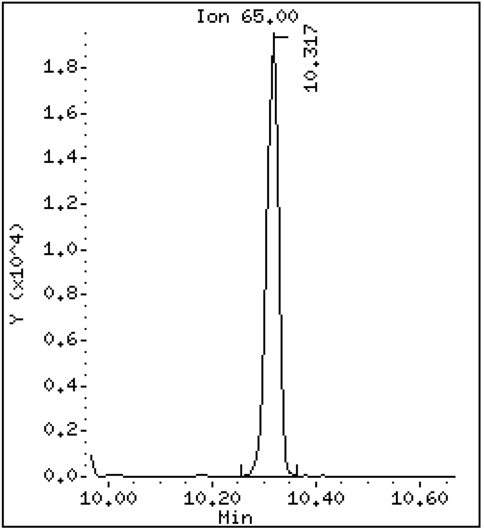
Scan 731 (10.317 min) of NT1422123011.D (Subtracted)



Ion 123.00



19 Nitrobenzene (Reference Spectrum)



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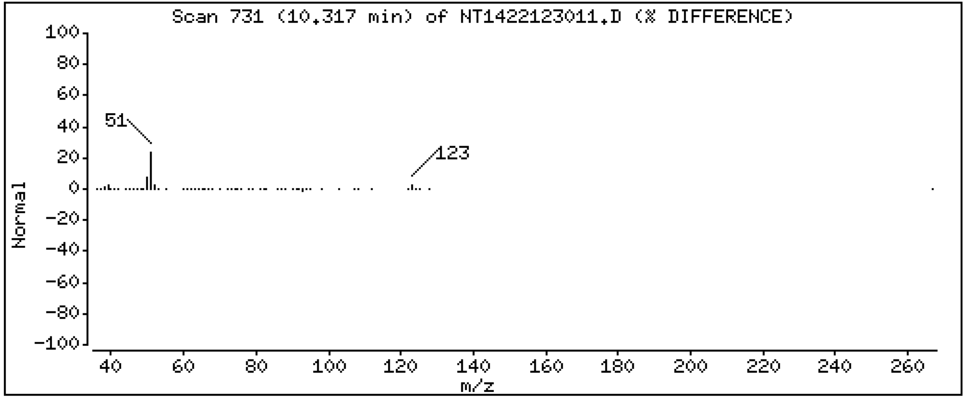


Scan 731 (10.317 min) of NT1422123011.D (% DIFFERENCE)

Data File: \\target\share\chem3\nt14.i\20221230.b\NT1422123011.D

Date : 30-DEC-2022 13:31

Client ID:

Instrument: nt14.i

Sample Info: SKL0355-SCV1

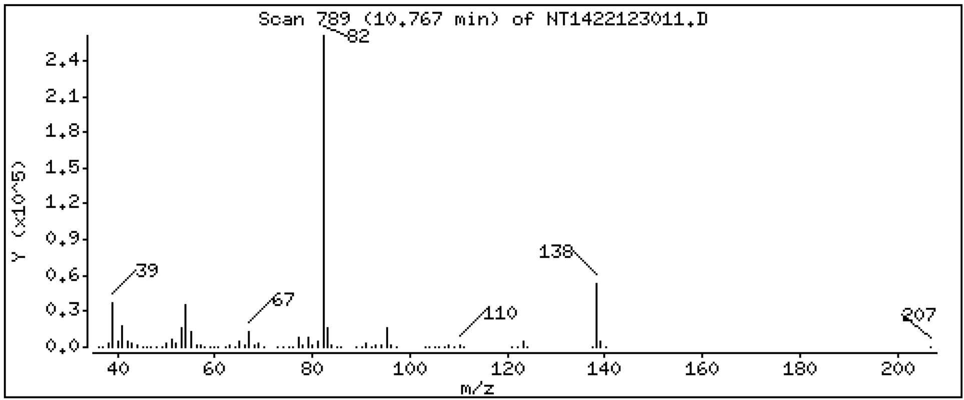
Operator: VTS

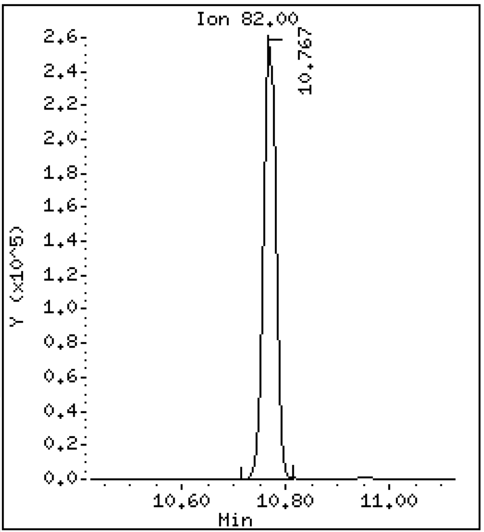
Column phase: ZB-5msi

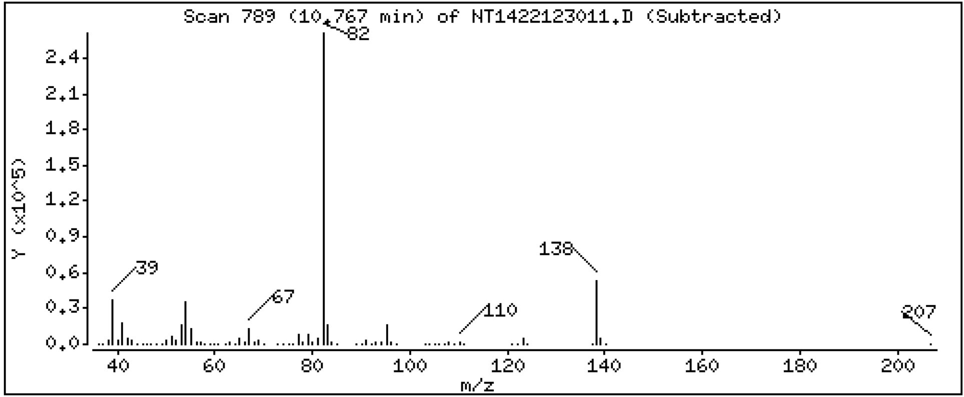
Column diameter: 0.25

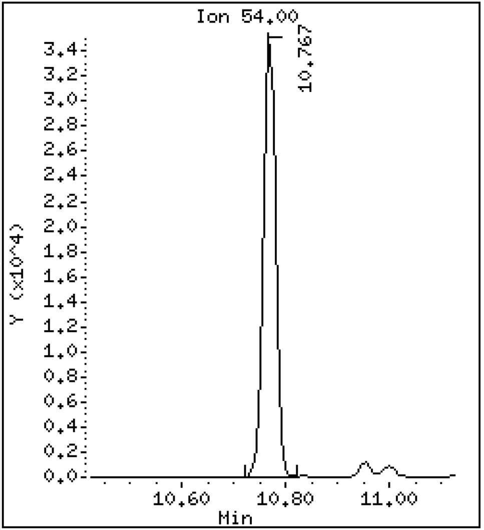
20 Isophorone

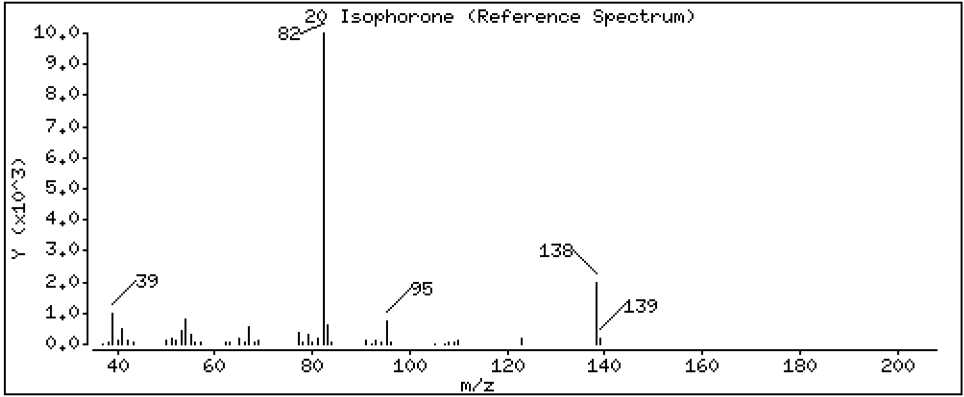
Concentration: 6.946 ug/mL

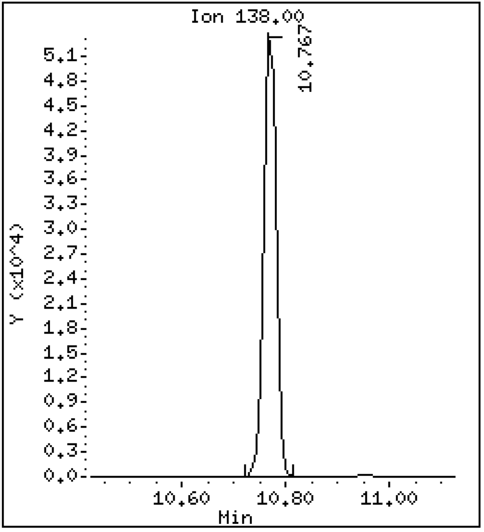


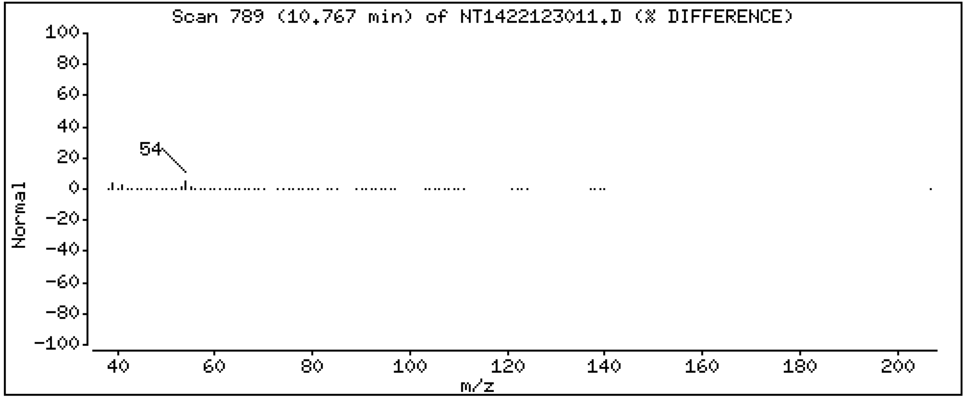












Data File: \\target\share\chem3\nt14.i\20221230.b\NT1422123011.D

Date : 30-DEC-2022 13:31

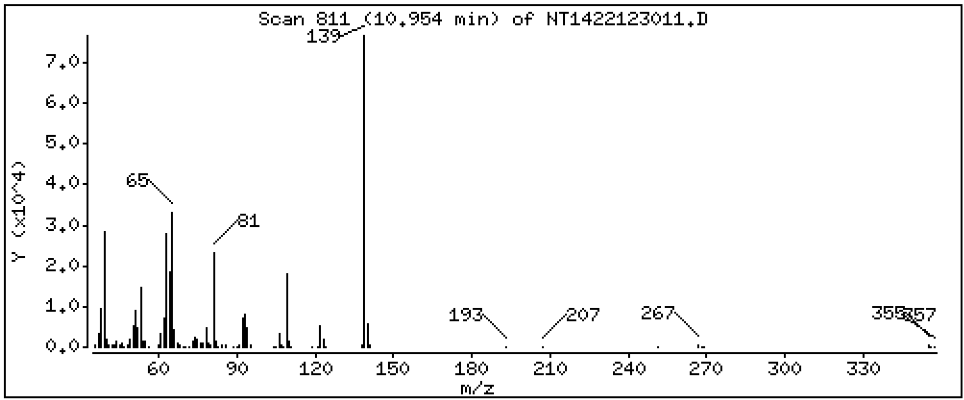
Client ID: Instrument: nt14.i

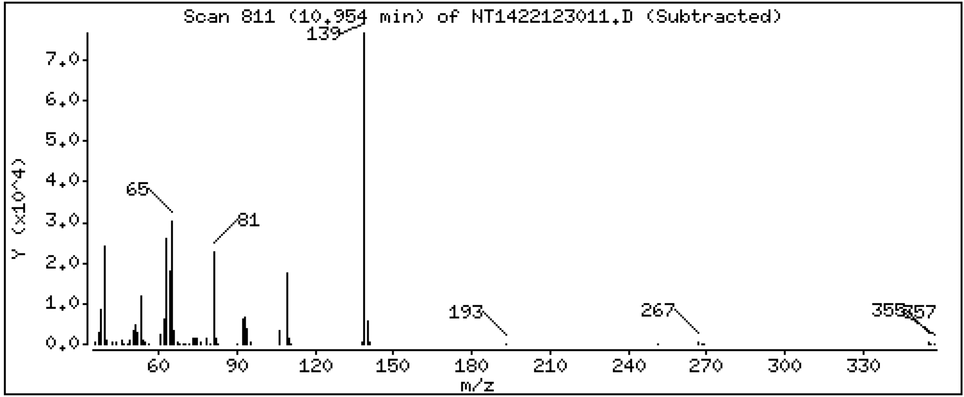
Sample Info: SKL0355-SCV1

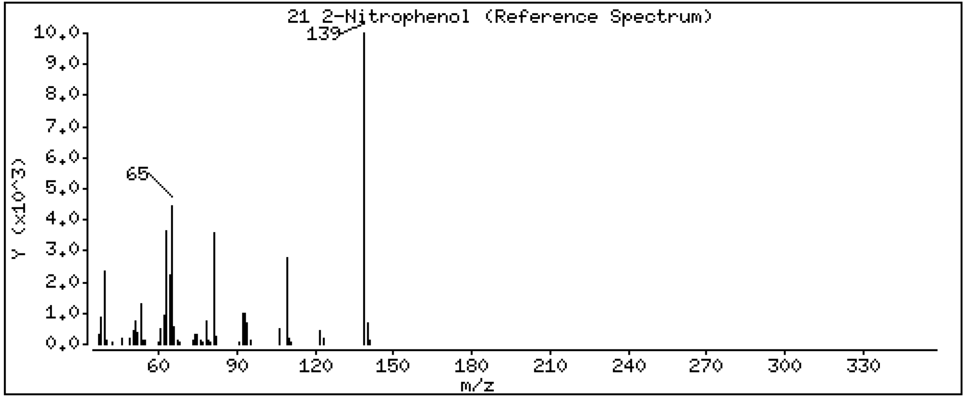
Operator: VTS

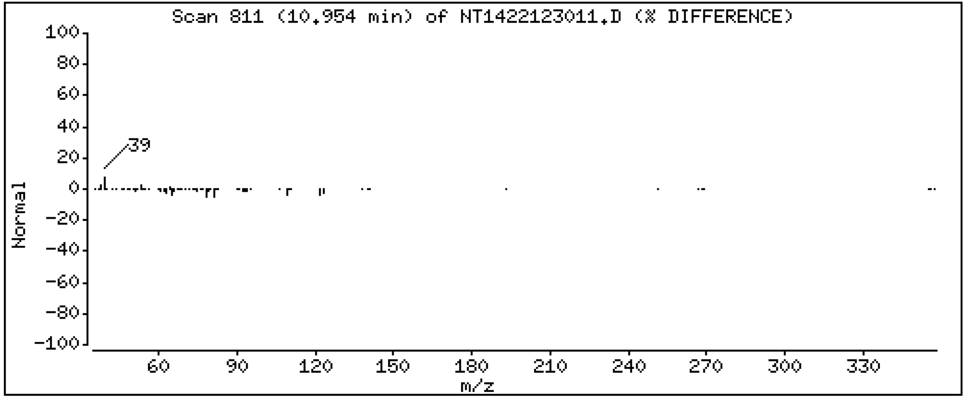
Column phase: ZB-5msi Column diameter: 0.25

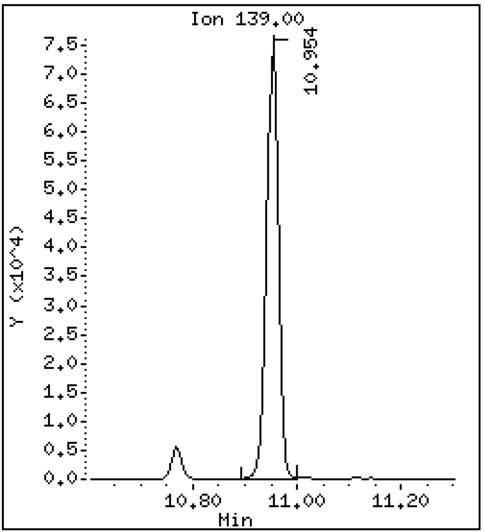
21 2-Nitrophenol Concentration: 4.556 ug/mL

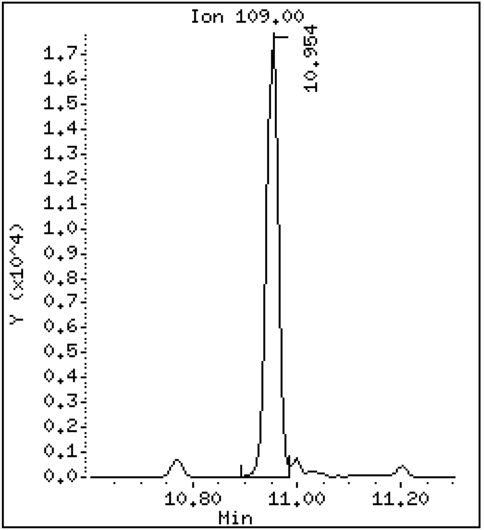


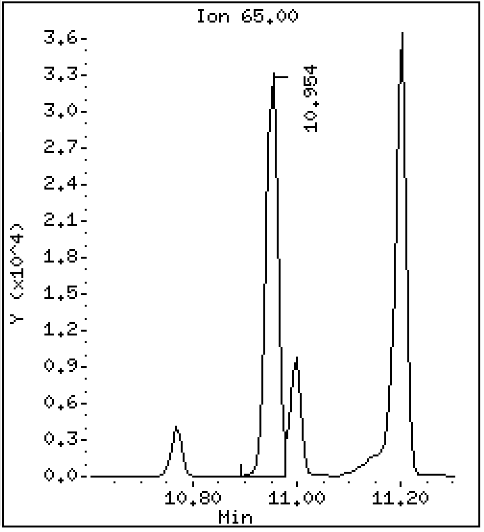












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Date : 30-DEC-2022 13:31

Client ID:

Instrument: nt14.i

Sample Info: SKL0355-SCV1

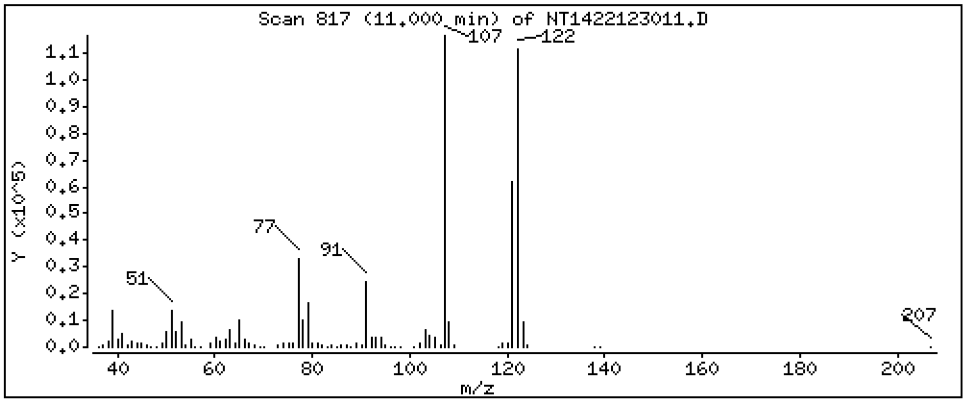
Operator: VTS

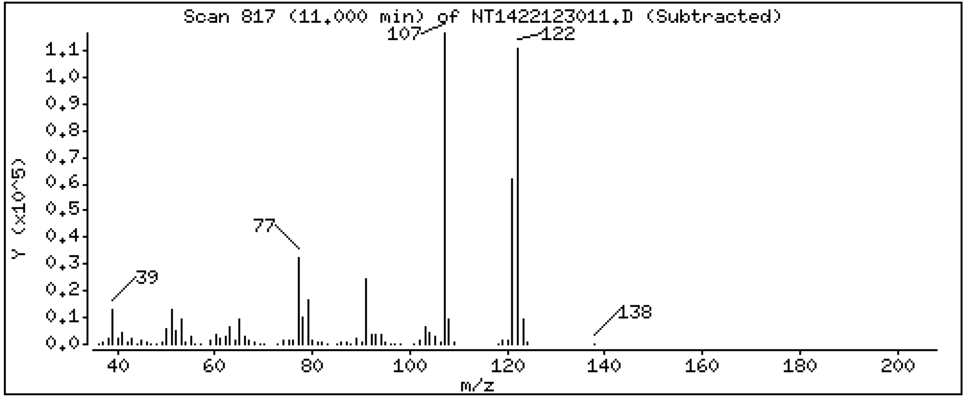
Column phase: ZB-5msi

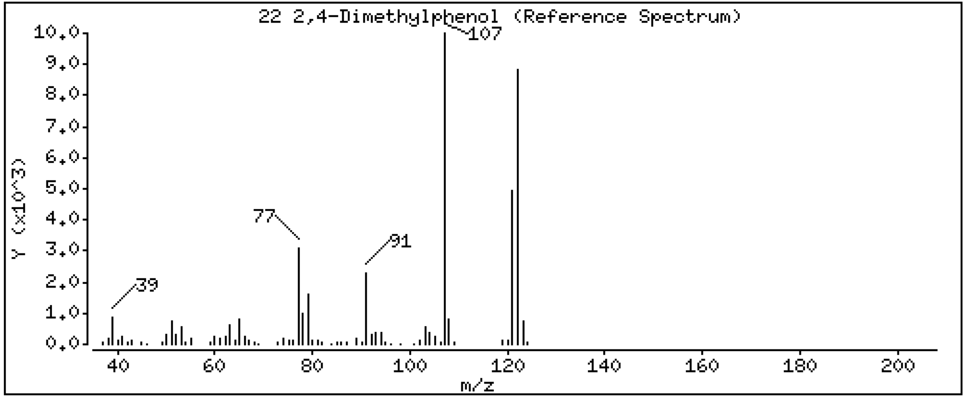
Column diameter: 0.25

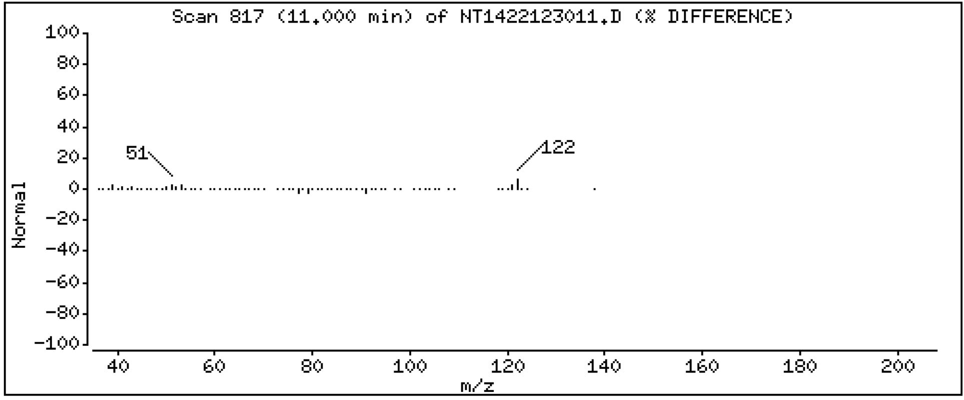
22 2,4-Dimethylphenol

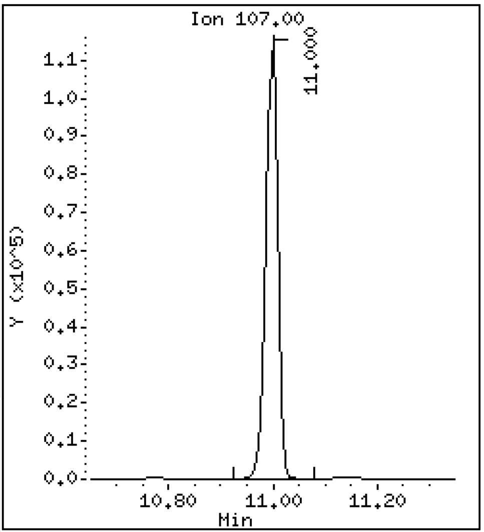
Concentration: 3.663 ug/mL

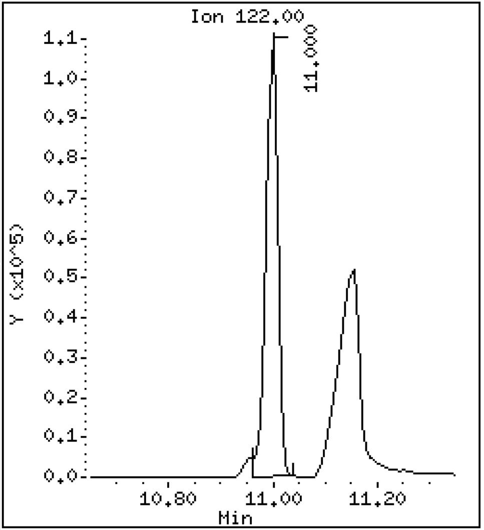


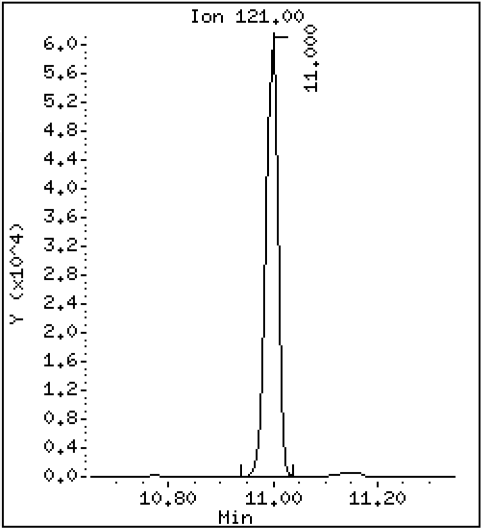












Data File: \\target\share\chem3\nt14.i\20221230.b\NT1422123011.D

Date : 30-DEC-2022 13:31

Client ID:

Instrument: nt14.i

Sample Info: SKL0355-SCV1

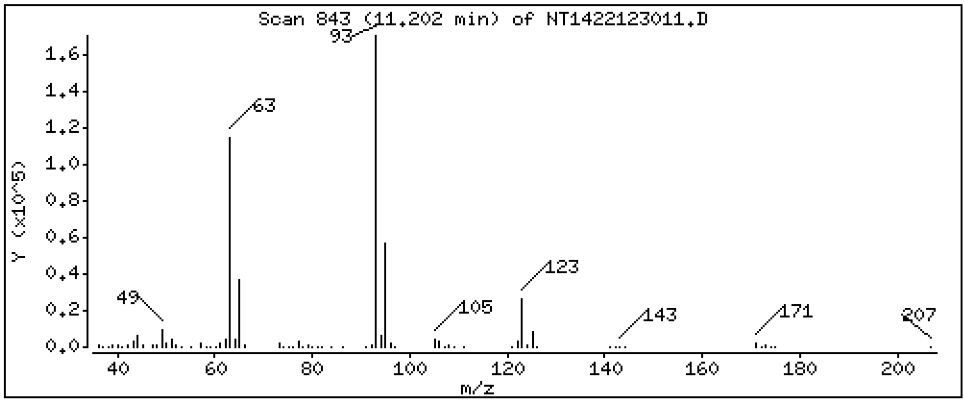
Operator: VTS

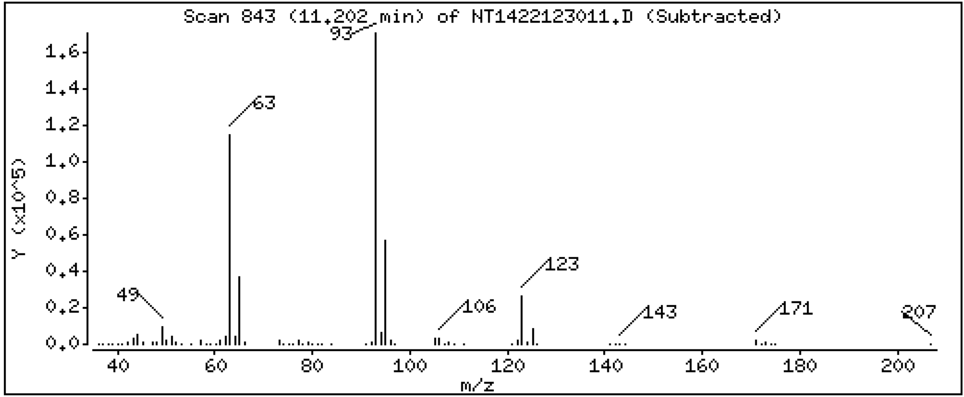
Column phase: ZB-5msi

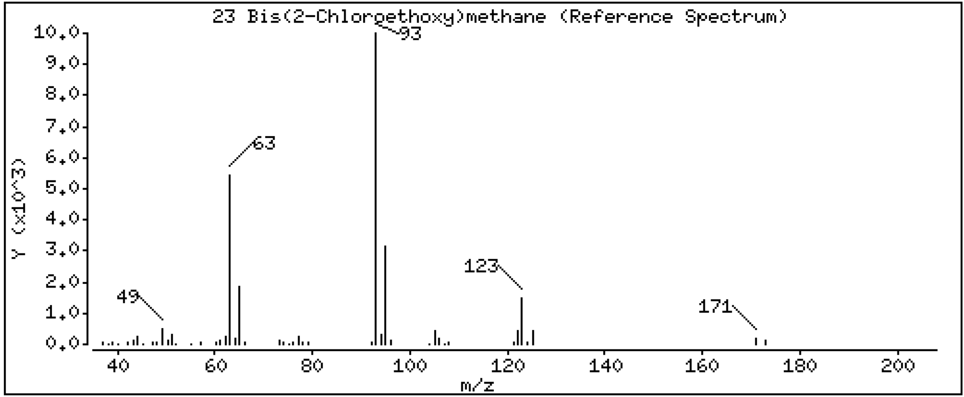
Column diameter: 0.25

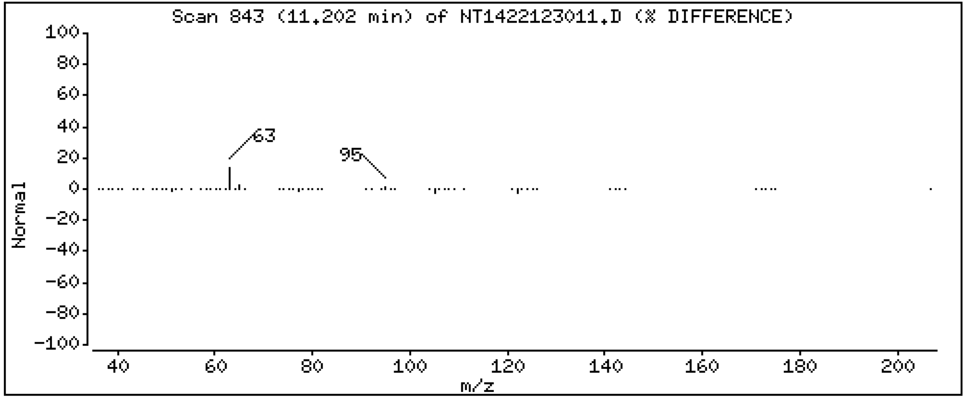
23 Bis(2-Chloroethoxy)methane

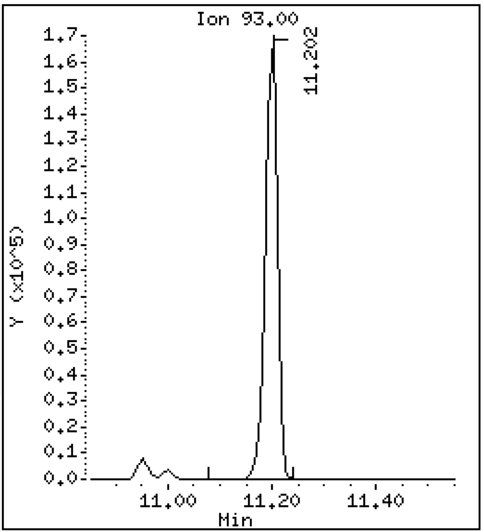
Concentration: 5.670 ug/mL

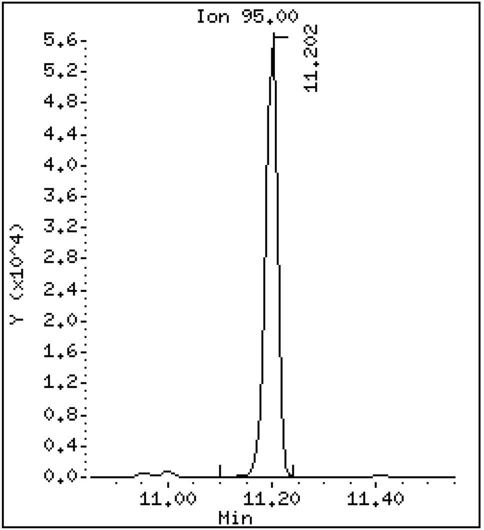

Scan 843 (11.202 min) of NT1422123011.D

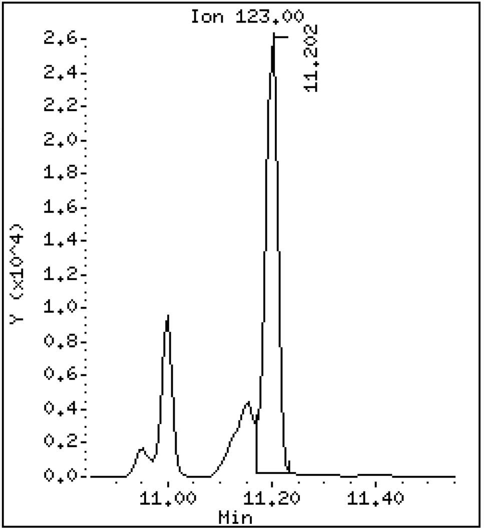

Scan 843 (11.202 min) of NT1422123011.D (Subtracted)


23 Bis(2-Chloroethoxy)methane (Reference Spectrum)


Scan 843 (11.202 min) of NT1422123011.D (% DIFFERENCE)


Ion 93.00


Ion 95.00


Ion 123.00

Data File: \\target\share\chem3\nt14.i\20221230.b\NT1422123011.D

Date : 30-DEC-2022 13:31

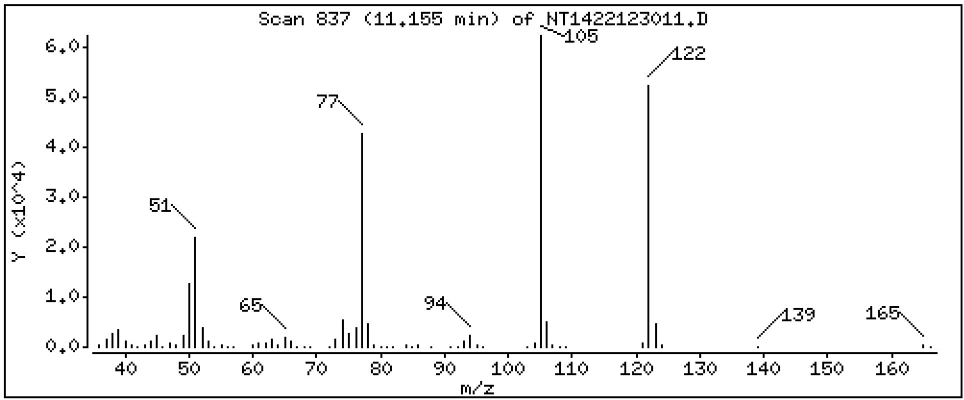
Client ID: Instrument: nt14.i

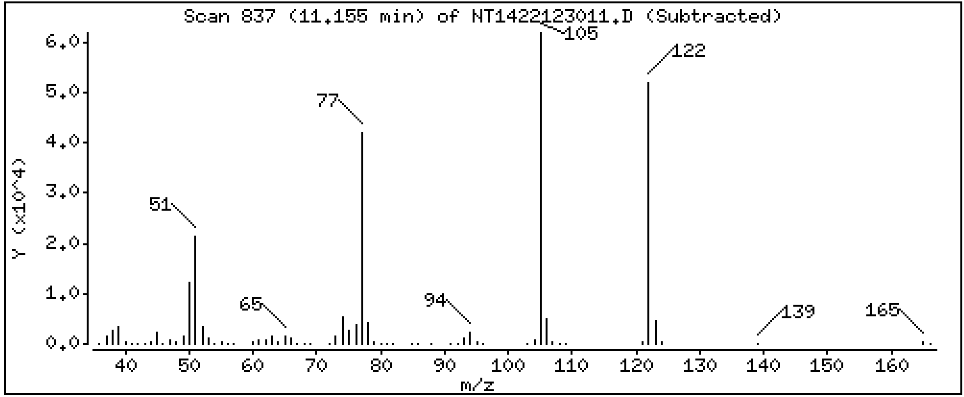
Sample Info: SKL0355-SCV1

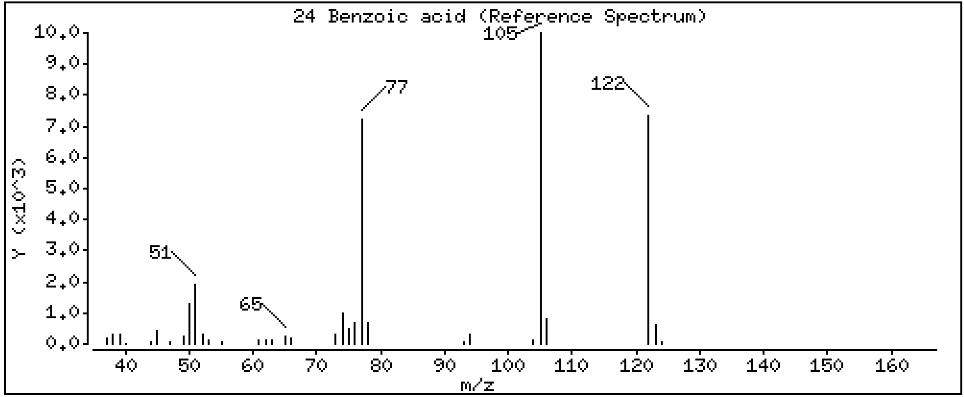
Operator: VTS

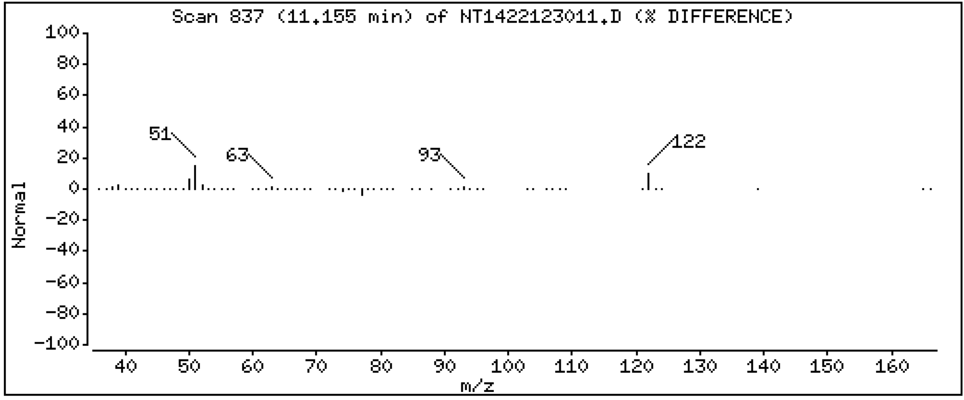
Column phase: ZB-5msi Column diameter: 0.25

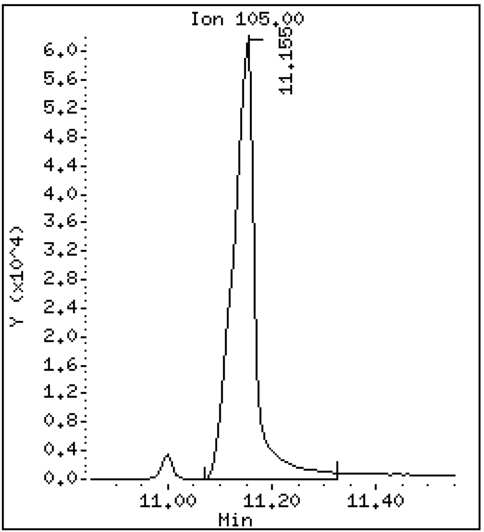
24 Benzoic acid Concentration: 6.385 ug/mL

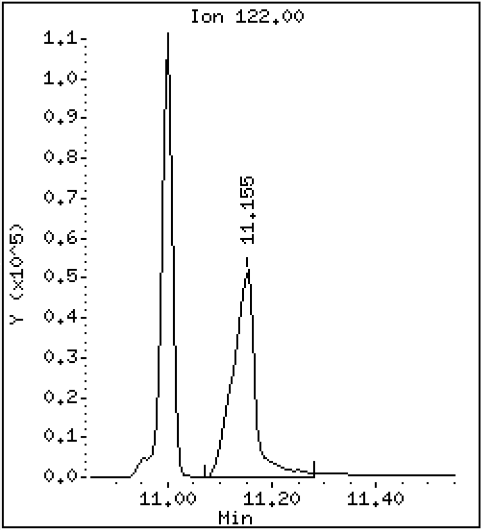

Scan 837 (11.155 min) of NT1422123011.D

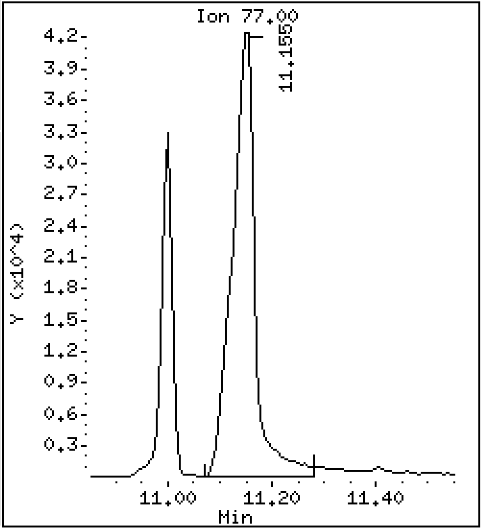

Scan 837 (11.155 min) of NT1422123011.D (Subtracted)


24 Benzoic acid (Reference Spectrum)


Scan 837 (11.155 min) of NT1422123011.D (% DIFFERENCE)


Ion 105.00


Ion 122.00


Ion 77.00

Data File: \\target\share\chem3\nt14.i\20221230.b\NT1422123011.D

Date : 30-DEC-2022 13:31

Client ID:

Instrument: nt14.i

Sample Info: SKL0355-SCV1

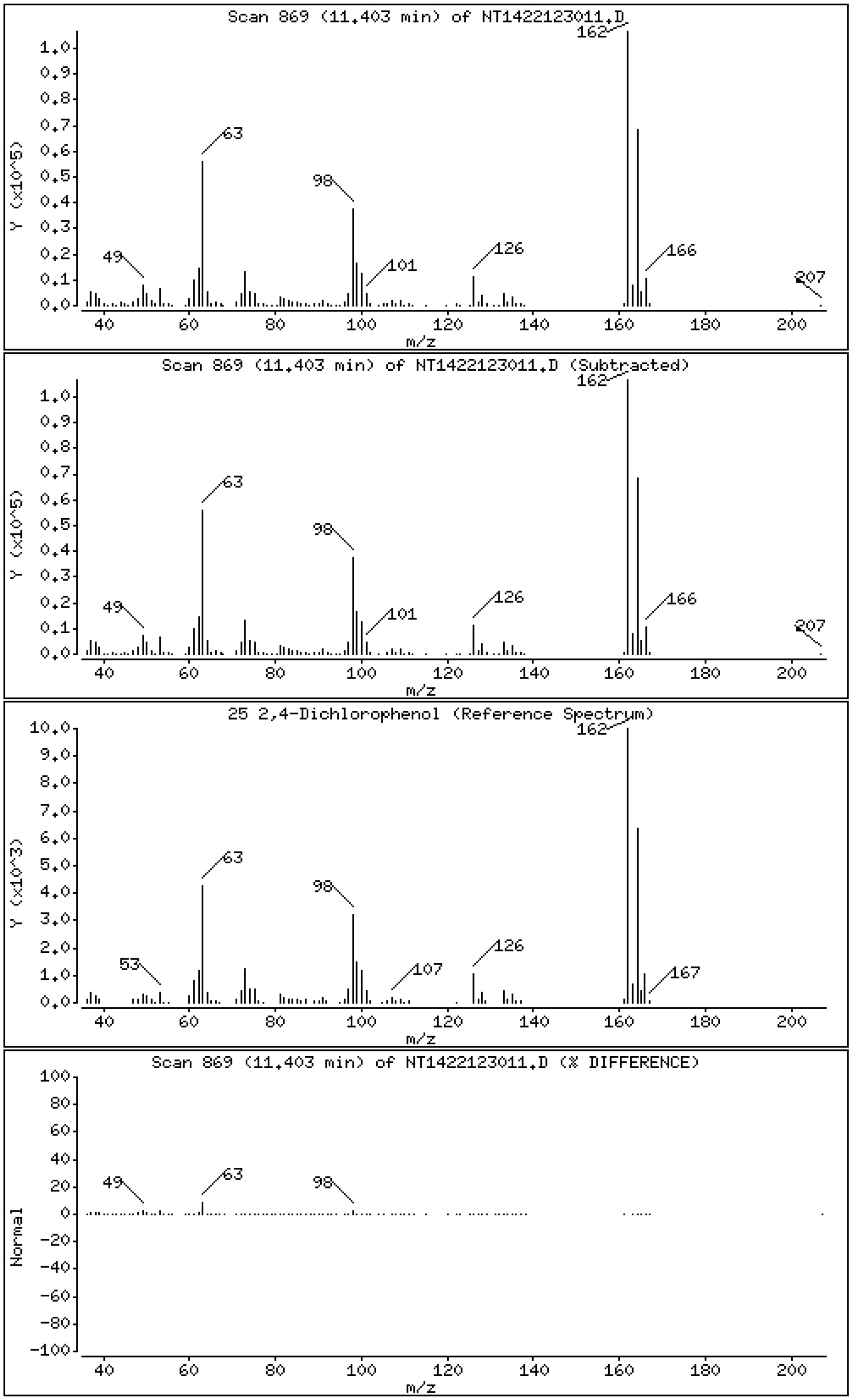
Operator: VTS

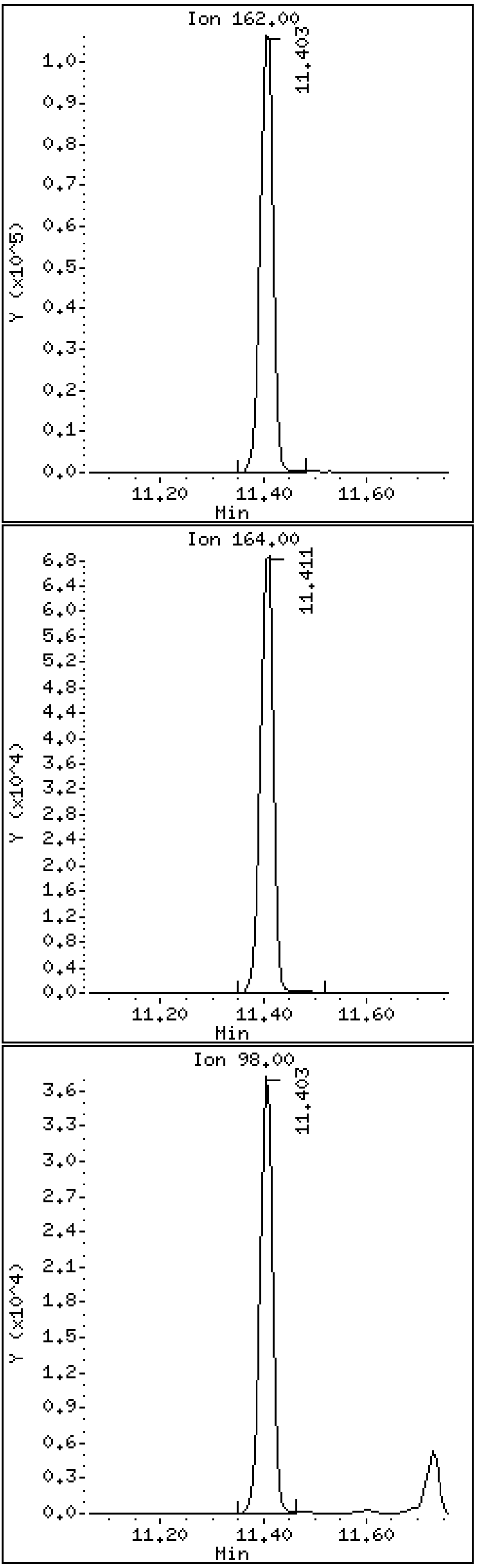
Column phase: ZB-5msi

Column diameter: 0.25

25 2,4-Dichlorophenol

Concentration: 4.388 ug/mL





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Date : 30-DEC-2022 13:31

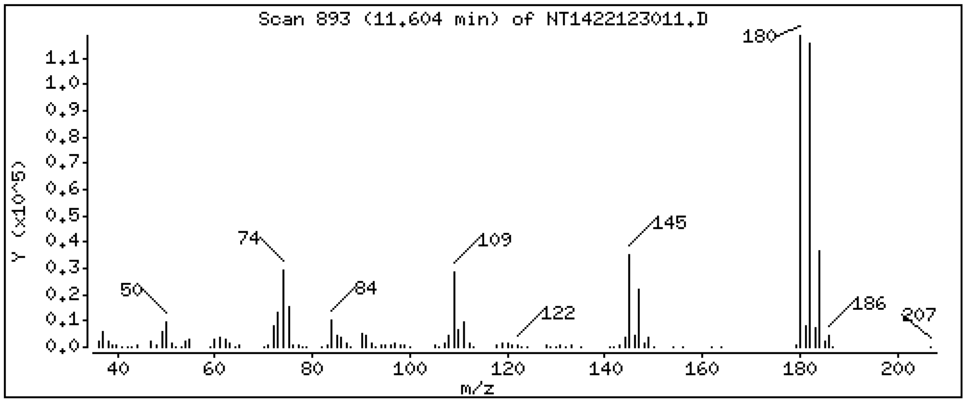
Client ID: Instrument: nt14.i

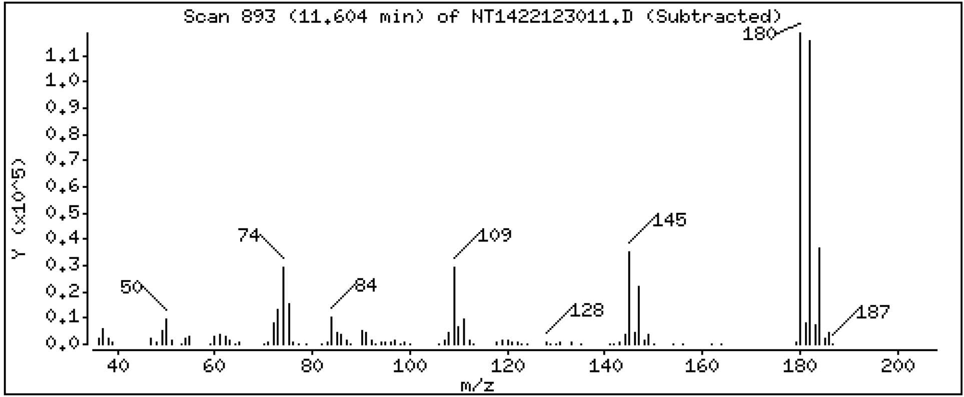
Sample Info: SKL0355-SCV1

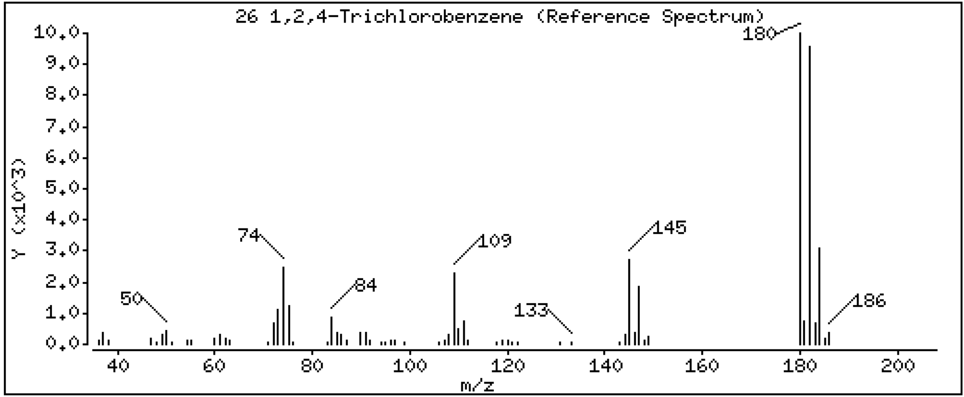
Operator: VTS

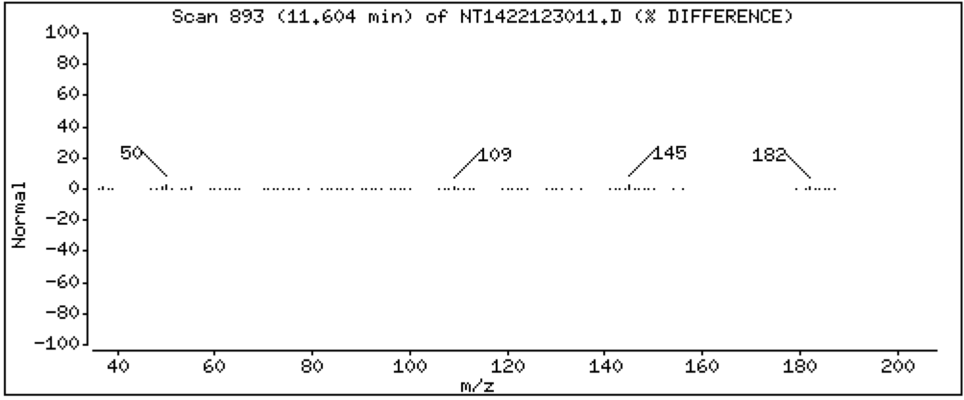
Column phase: ZB-5msi Column diameter: 0.25

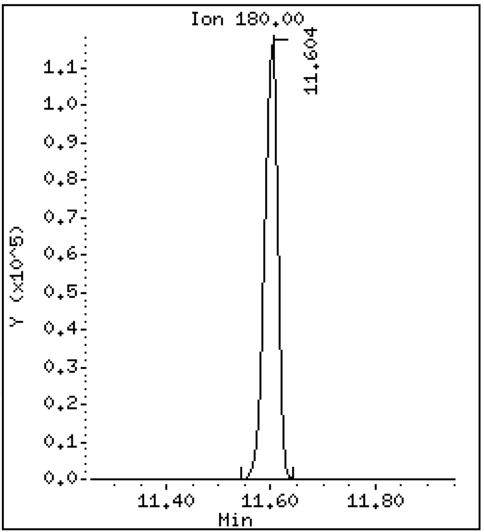
26 1,2,4-Trichlorobenzene Concentration: 4.574 ug/mL

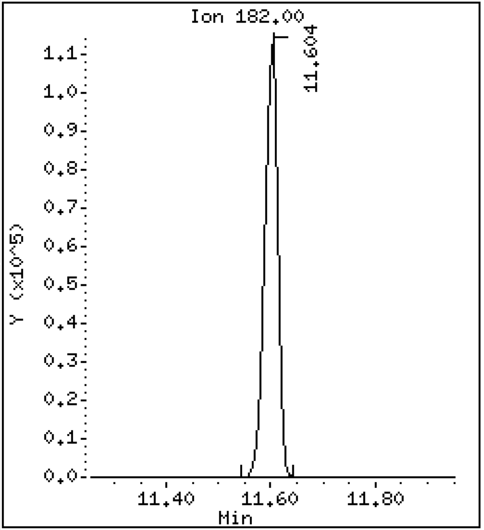

Scan 893 (11.604 min) of NT1422123011.D

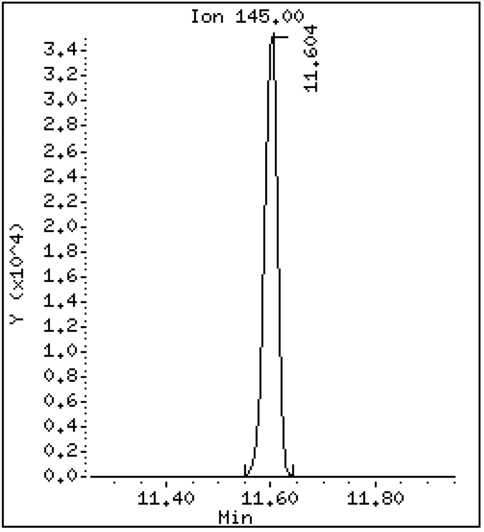

Scan 893 (11.604 min) of NT1422123011.D (Subtracted)


26 1,2,4-Trichlorobenzene (Reference Spectrum)


Scan 893 (11.604 min) of NT1422123011.D (% DIFFERENCE)


Ion 180.00


Ion 182.00


Ion 145.00

Data File: \\target\share\chem3\nt14.i\20221230.b\NT1422123011.D

Date : 30-DEC-2022 13:31

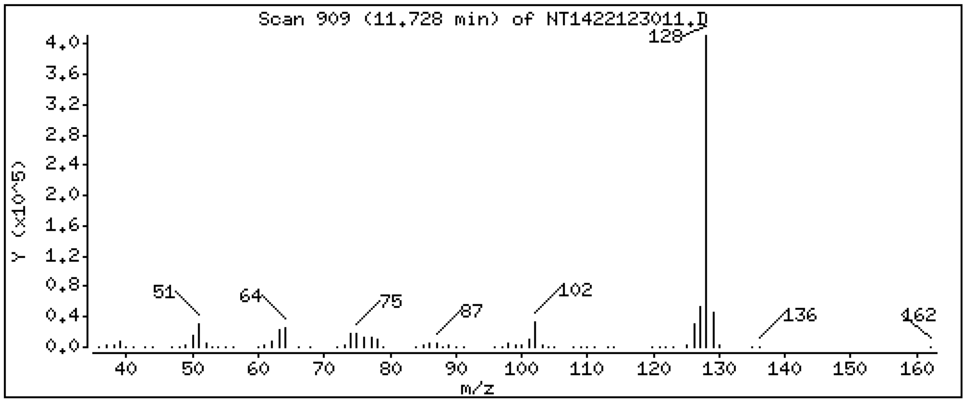
Client ID: Instrument: nt14.i

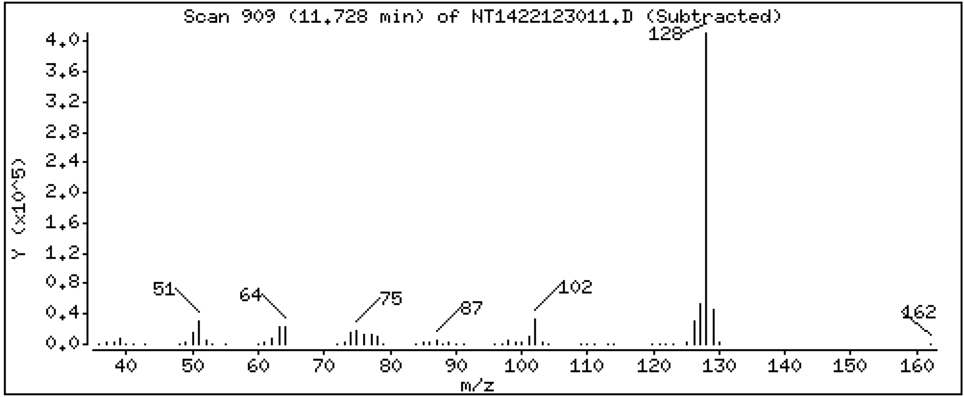
Sample Info: SKL0355-SCV1

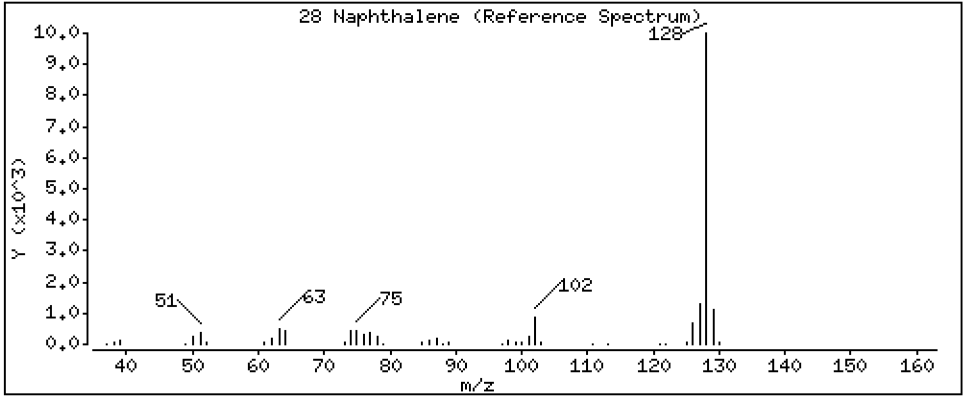
Operator: VTS

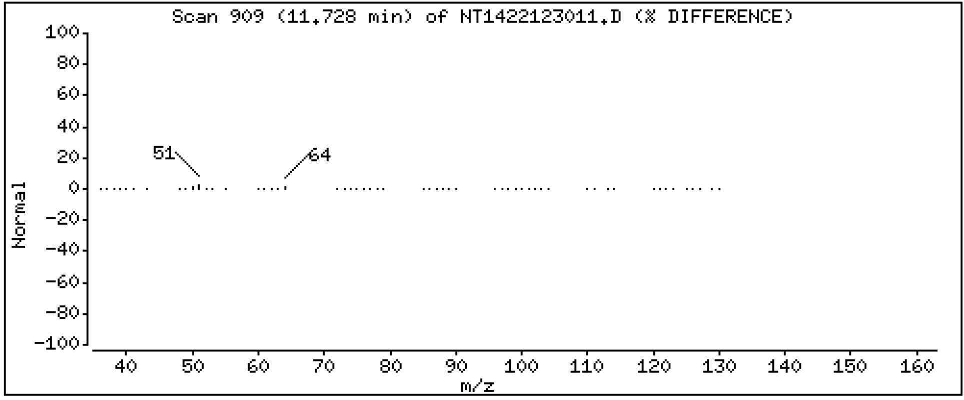
Column phase: ZB-5msi Column diameter: 0.25

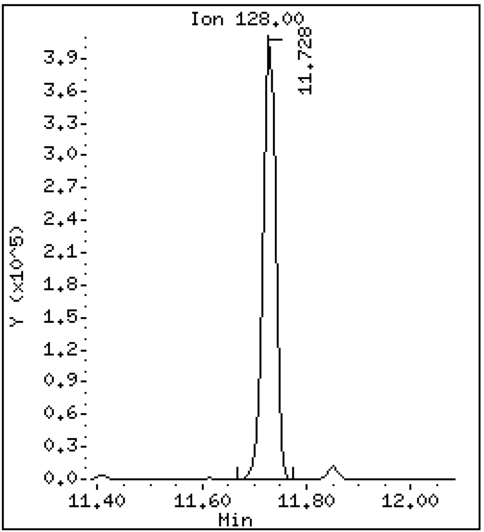
28 Naphthalene Concentration: 4.812 ug/mL

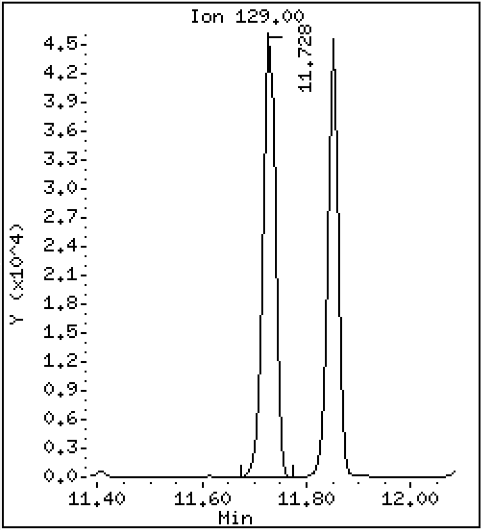


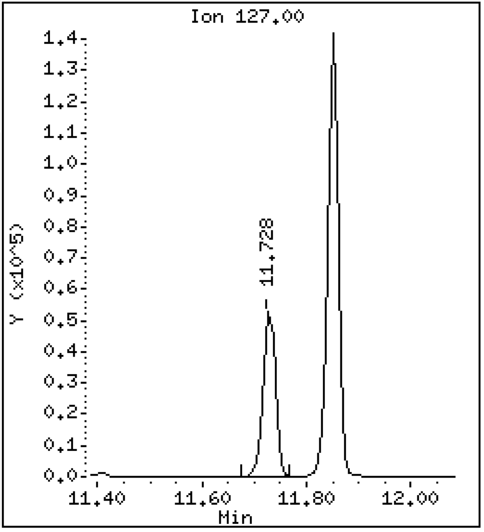












Data File: \\target\share\chem3\nt14.i\20221230.b\NT1422123011.D

Date : 30-DEC-2022 13:31

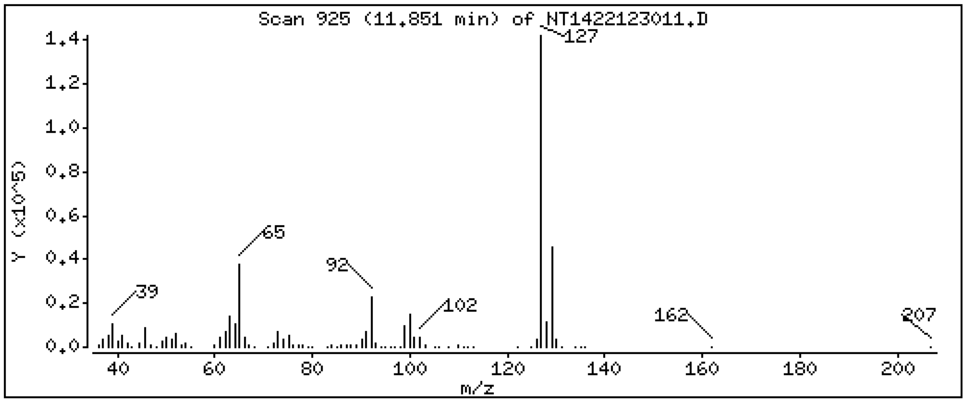
Client ID: Instrument: nt14.i

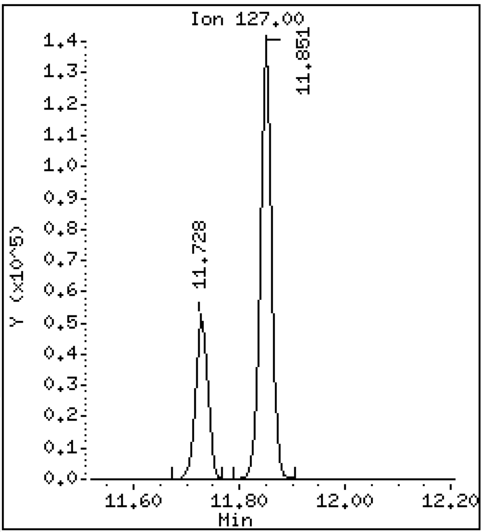
Sample Info: SKL0355-SCV1

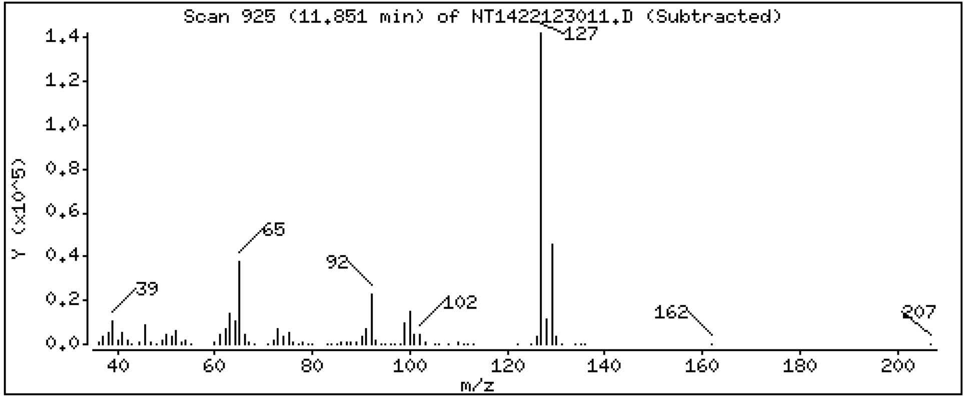
Operator: VTS

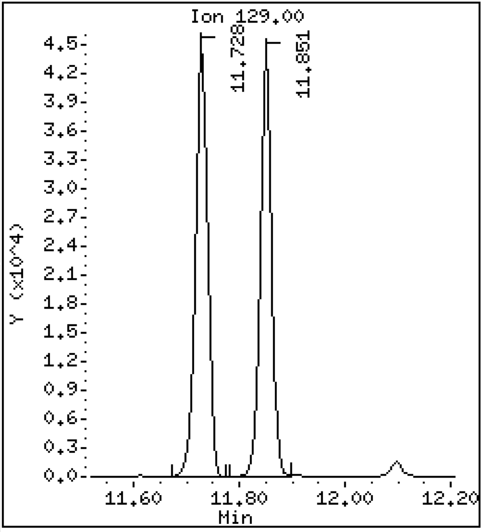
Column phase: ZB-5msi Column diameter: 0.25

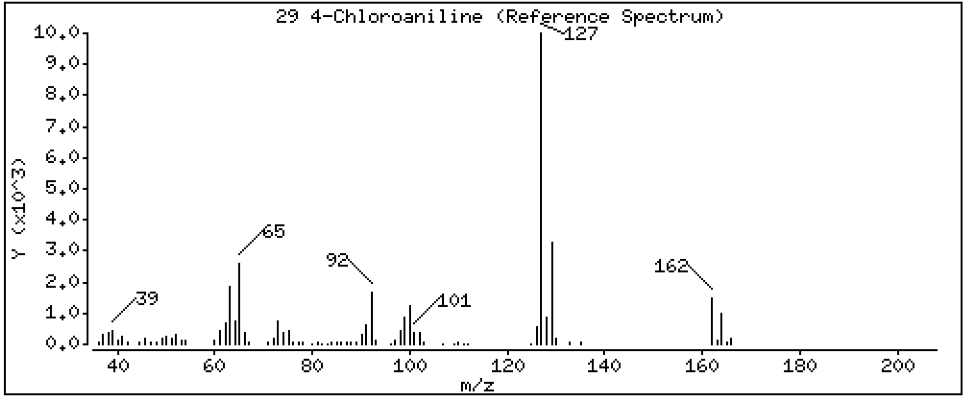
29 4-Chloroaniline Concentration: 3.849 ug/mL

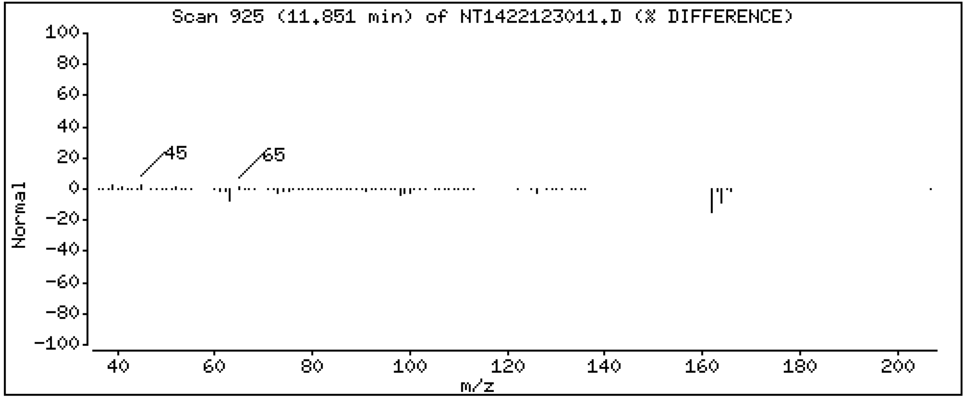

Scan 925 (11.851 min) of NT1422123011.D


Ion 127.00


Scan 925 (11.851 min) of NT1422123011.D (Subtracted)


Ion 129.00


29 4-Chloroaniline (Reference Spectrum)


Scan 925 (11.851 min) of NT1422123011.D (% DIFFERENCE)

Data File: \\target\share\chem3\nt14.i\20221230.b\NT1422123011.D

Date : 30-DEC-2022 13:31

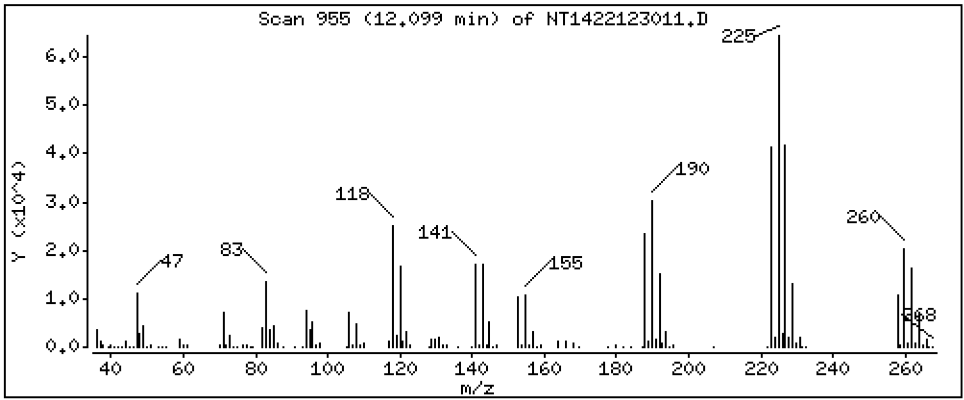
Client ID: Instrument: nt14.i

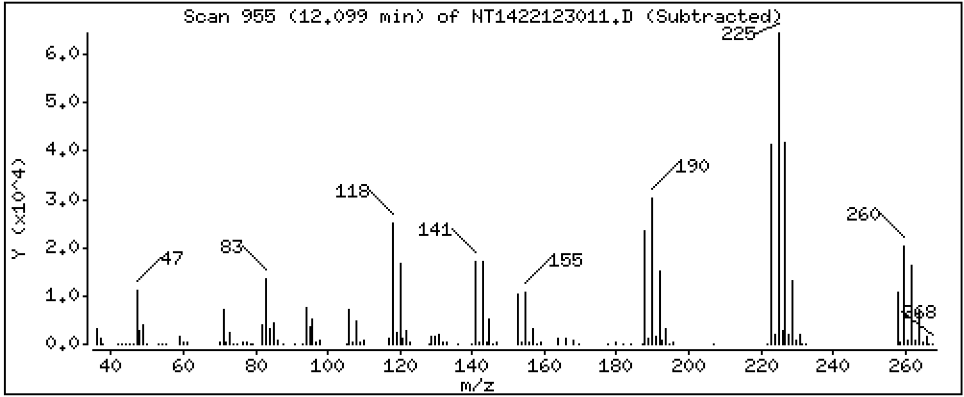
Sample Info: SKL0355-SCV1

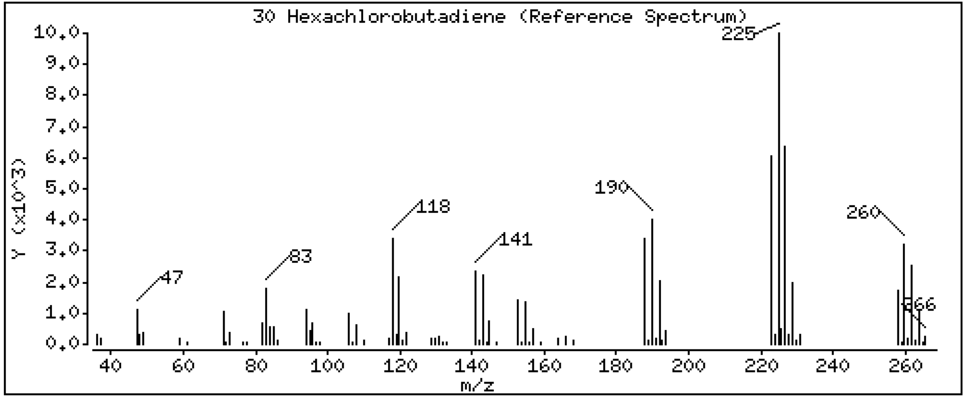
Operator: VTS

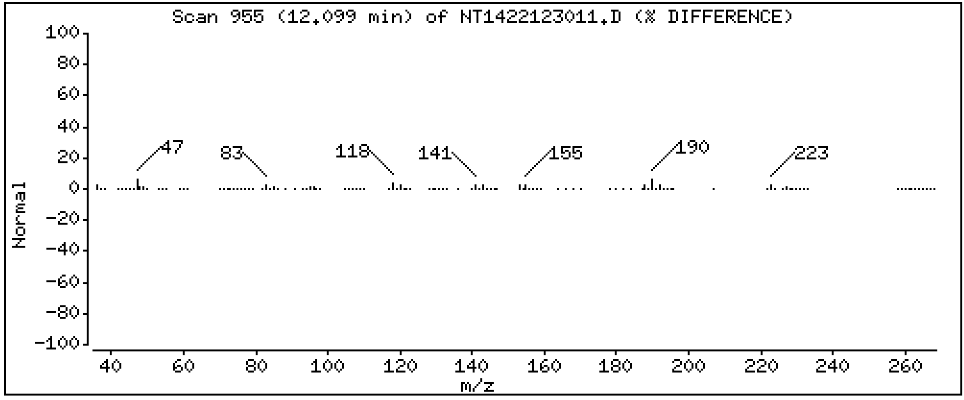
Column phase: ZB-5msi Column diameter: 0.25

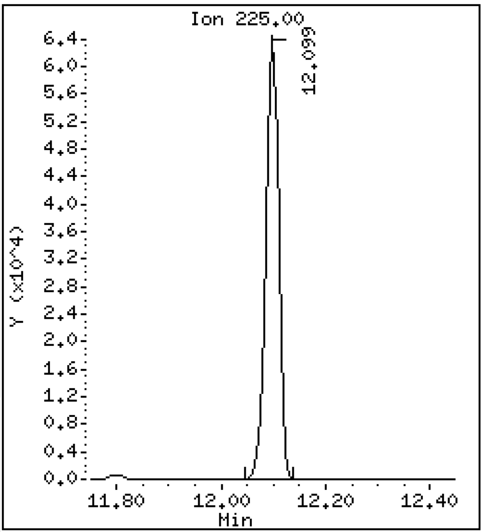
30 Hexachlorobutadiene Concentration: 4.823 ug/mL

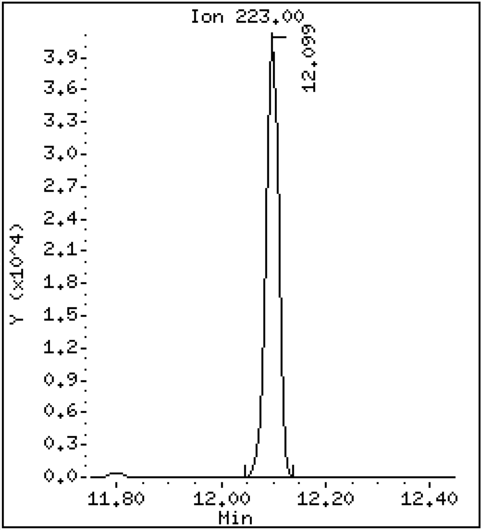

Scan 955 (12.099 min) of NT1422123011.D

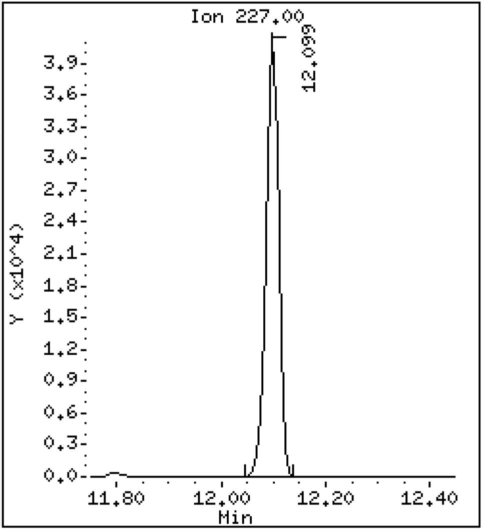

Scan 955 (12.099 min) of NT1422123011.D (Subtracted)


30 Hexachlorobutadiene (Reference Spectrum)


Scan 955 (12.099 min) of NT1422123011.D (% DIFFERENCE)


Ion 225.00


Ion 223.00


Ion 227.00

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Date : 30-DEC-2022 13:31

Client ID:

Instrument: nt14.i

Sample Info: SKL0355-SCV1

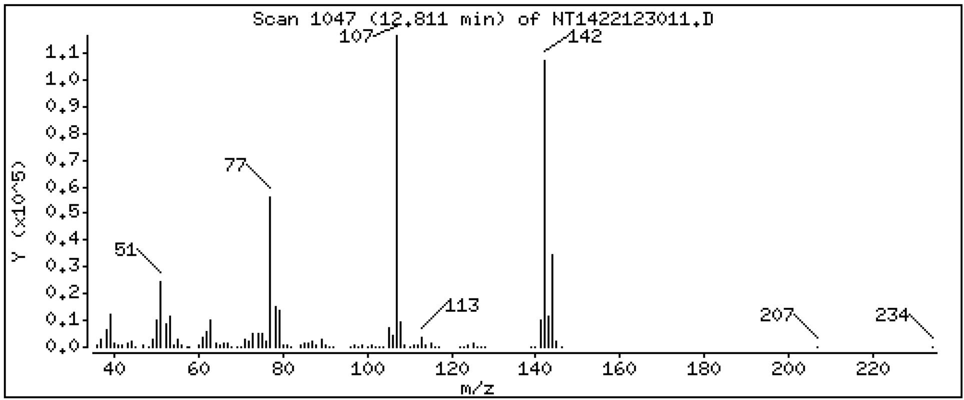
Operator: VTS

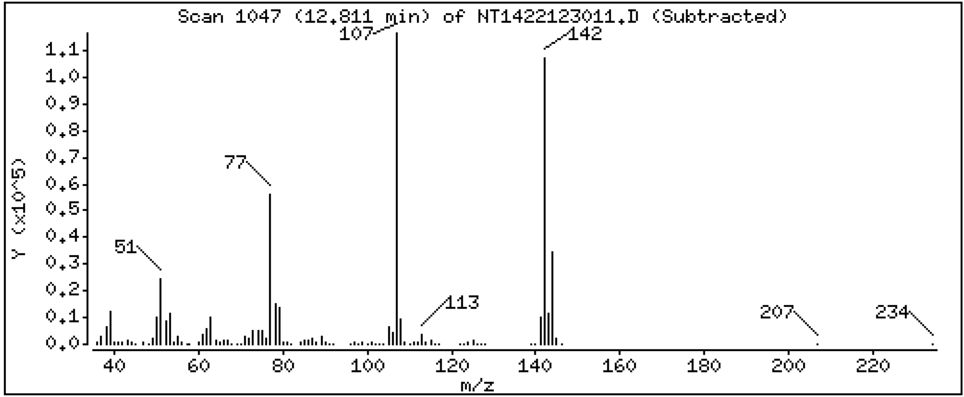
Column phase: ZB-5msi

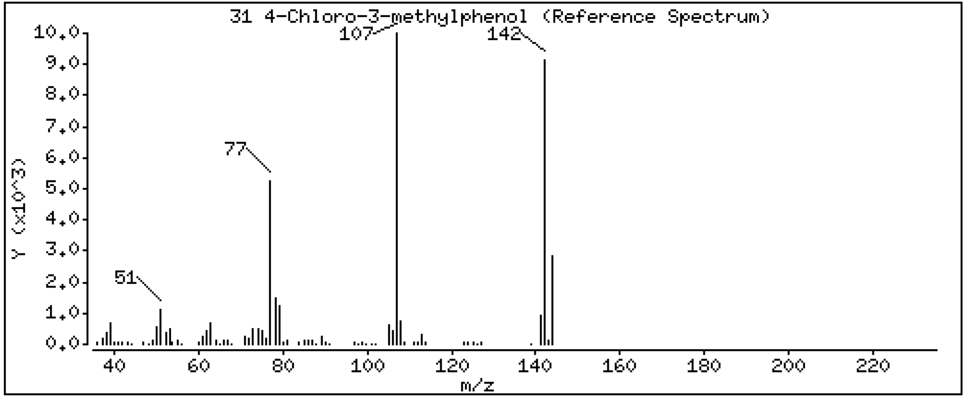
Column diameter: 0.25

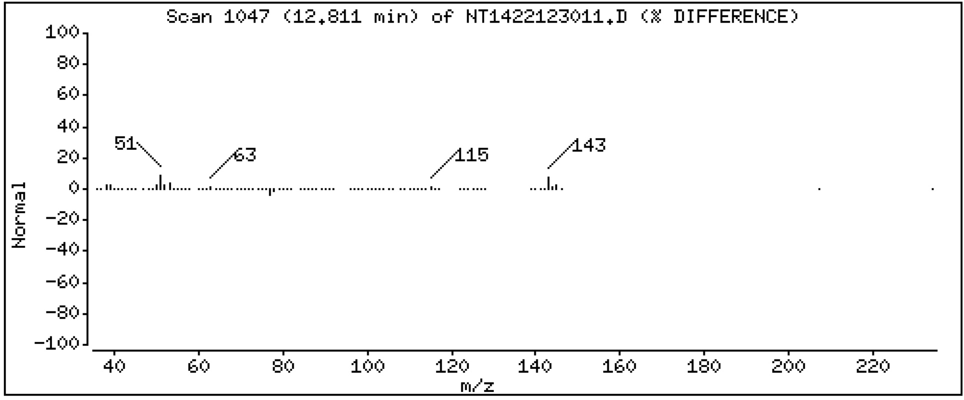
31 4-Chloro-3-methylphenol

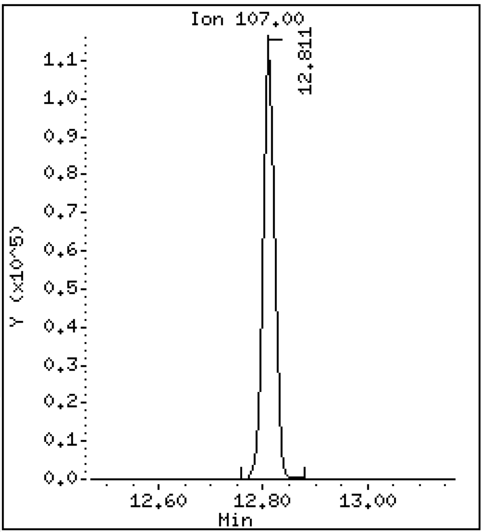
Concentration: 4.522 ug/mL

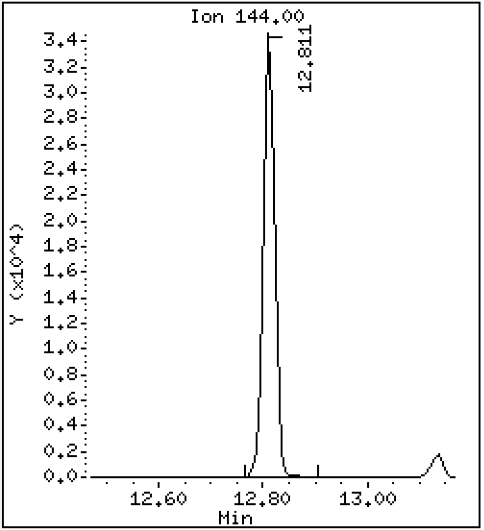


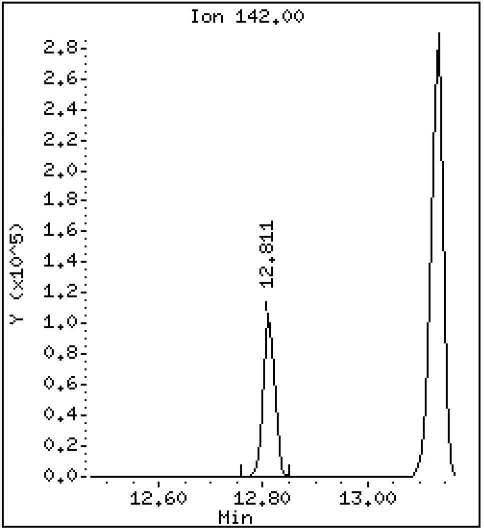












Data File: \\target\share\chem3\nt14.i\20221230.b\NT1422123011.D

Date : 30-DEC-2022 13:31

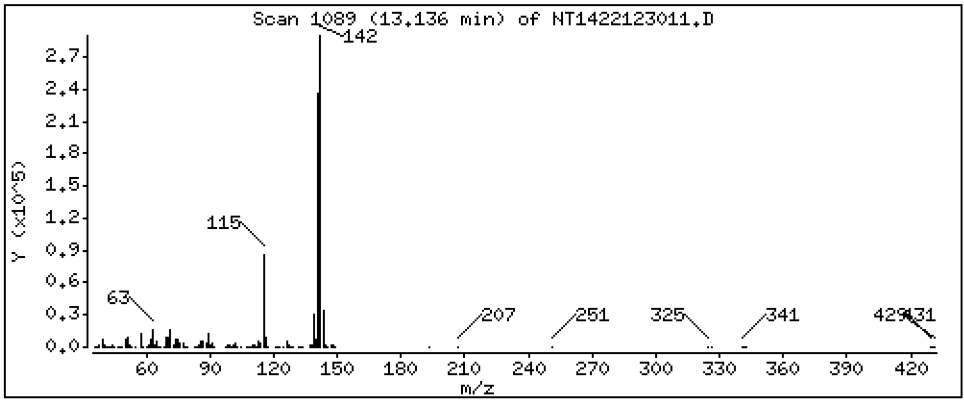
Client ID: Instrument: nt14.i

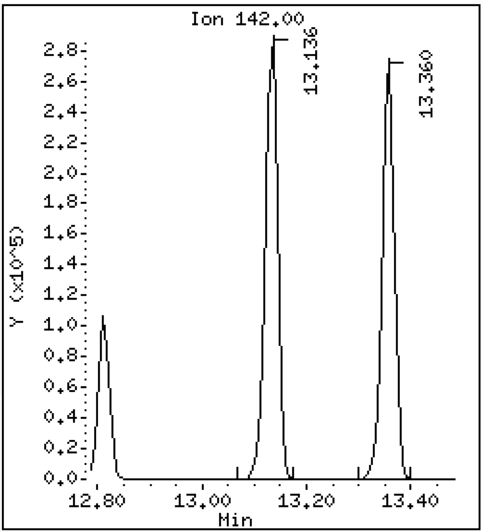
Sample Info: SKL0355-SCV1

Operator: VTS

Column phase: ZB-5msi Column diameter: 0.25

32 2-Methylnaphthalene Concentration: 4.616 ug/mL


Scan 1089 (13.136 min) of NT1422123011.D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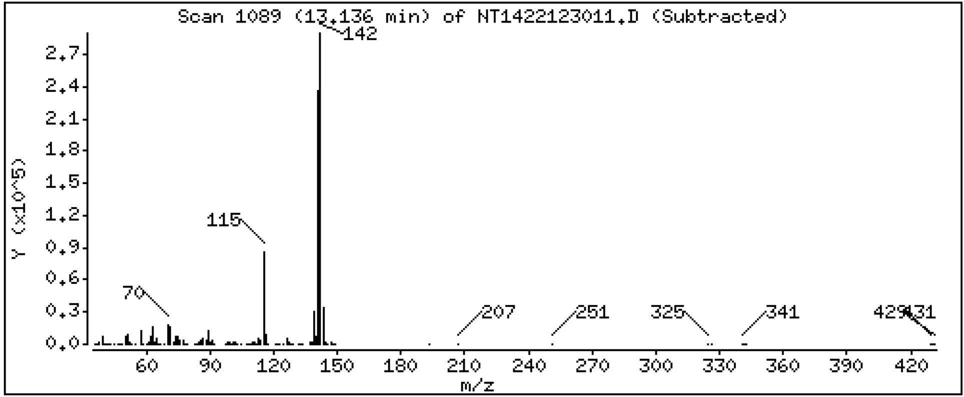
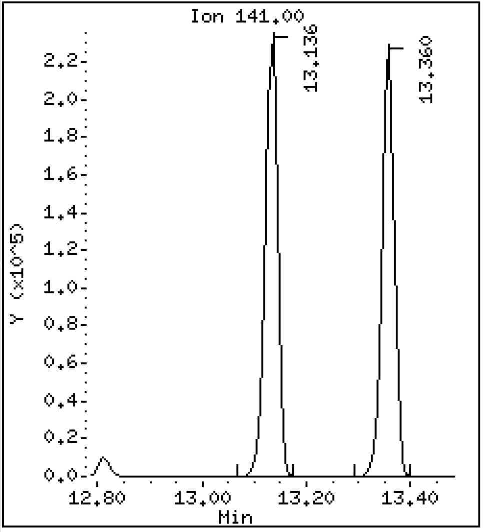
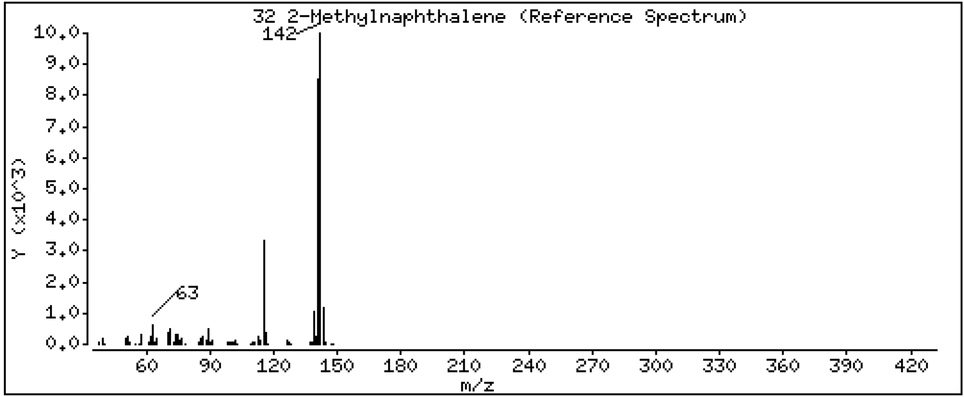
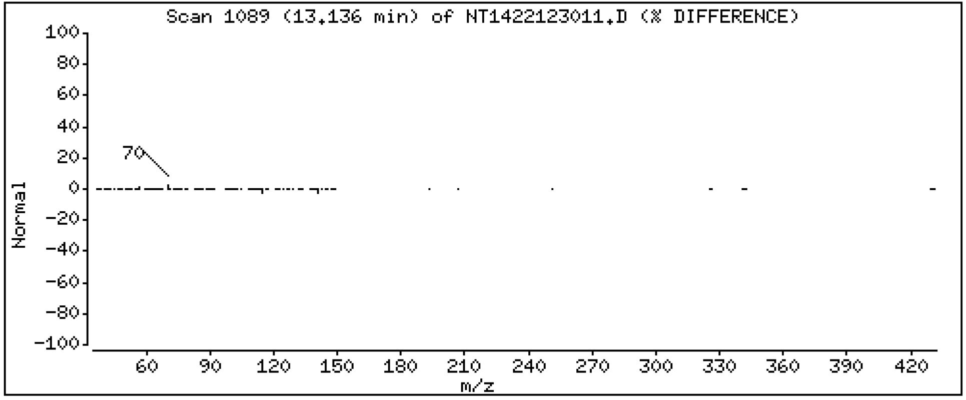

Scan 1089 (13.136 min) of NT1422123011.D (Subtracted)


Ion 141.00


32 2-Methylnaphthalene (Reference Spectrum)


Scan 1089 (13.136 min) of NT1422123011.D (% DIFFERENCE)

Date : 30-DEC-2022 13:31

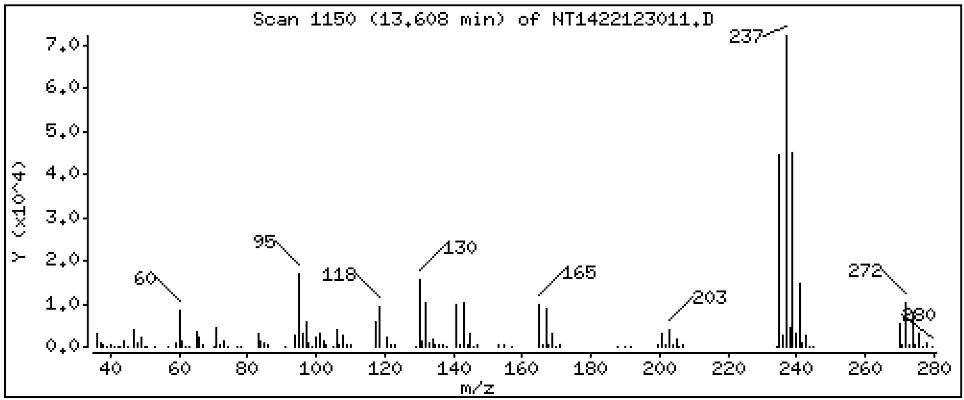
Client ID: Instrument: nt14.i

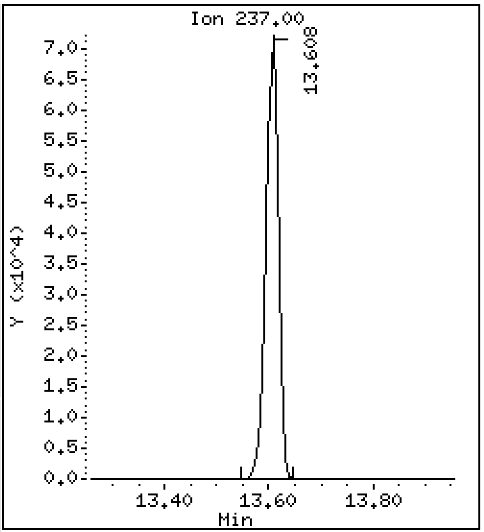
Sample Info: SKL0355-SCV1

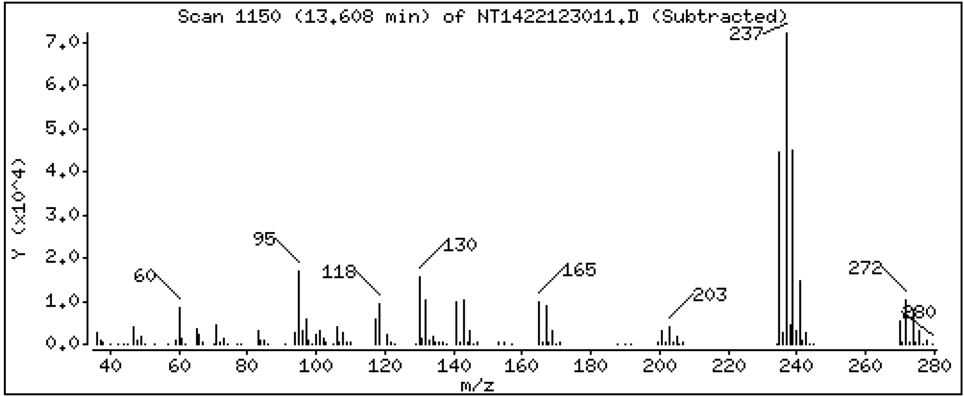
Operator: VTS

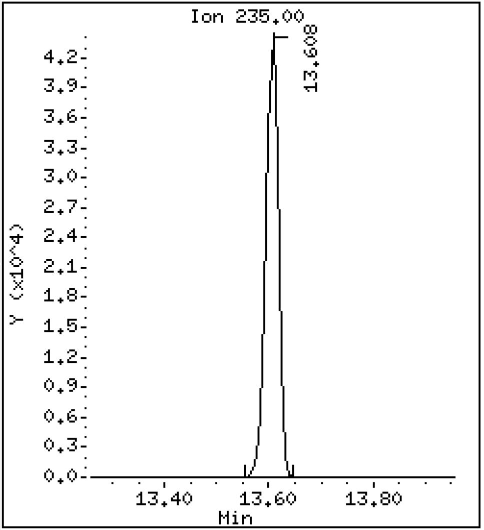
Column phase: ZB-5msi Column diameter: 0.25

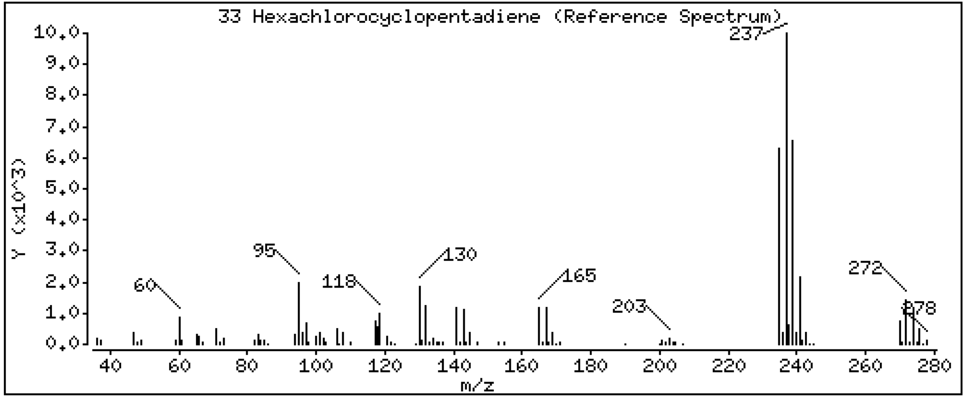
33 Hexachlorocyclopentadiene Concentration: 5.081 ug/mL

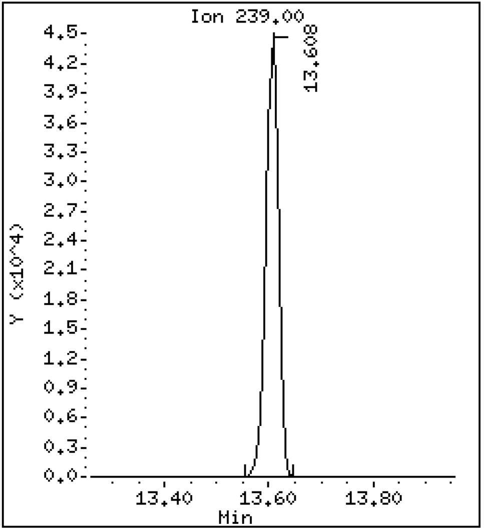


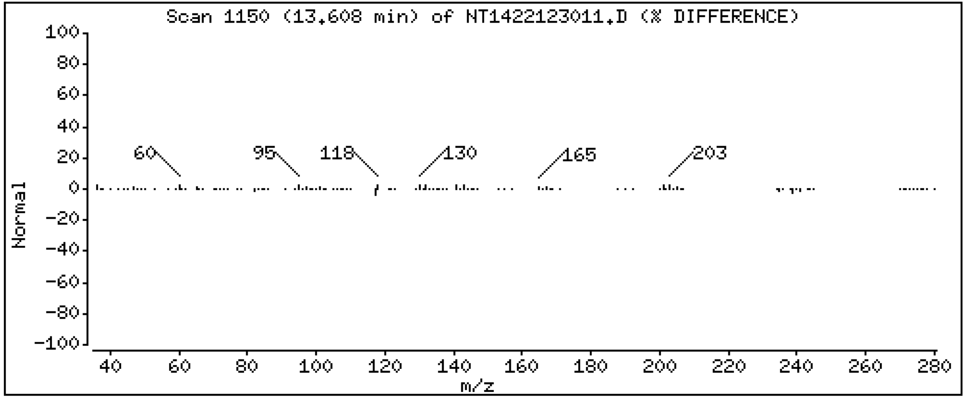












Data File: \\target\share\chem3\nt14.i\20221230.b\NT1422123011.D

Date : 30-DEC-2022 13:31

Client ID:

Instrument: nt14.i

Sample Info: SKL0355-SCV1

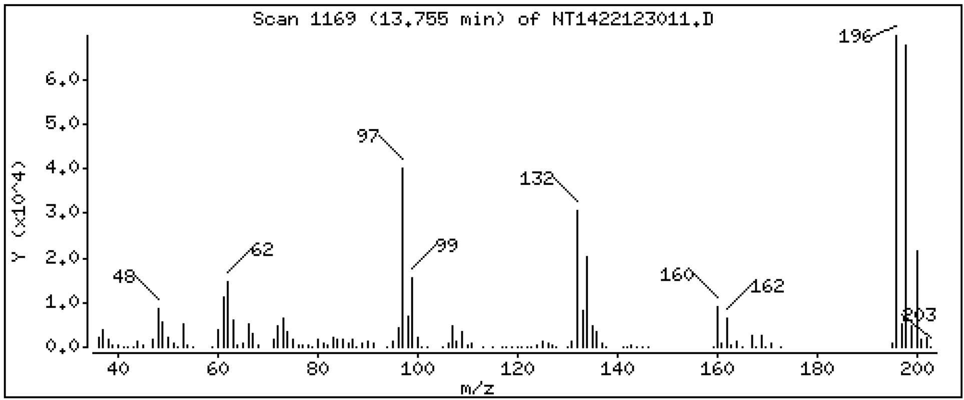
Operator: VTS

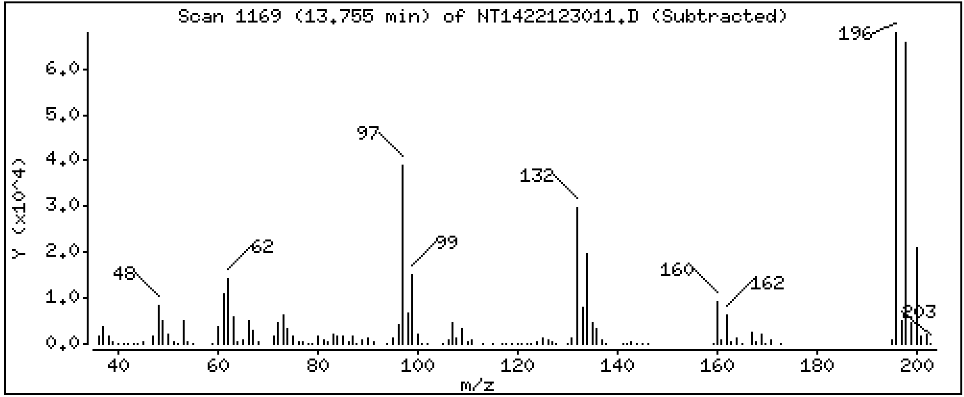
Column phase: ZB-5msi

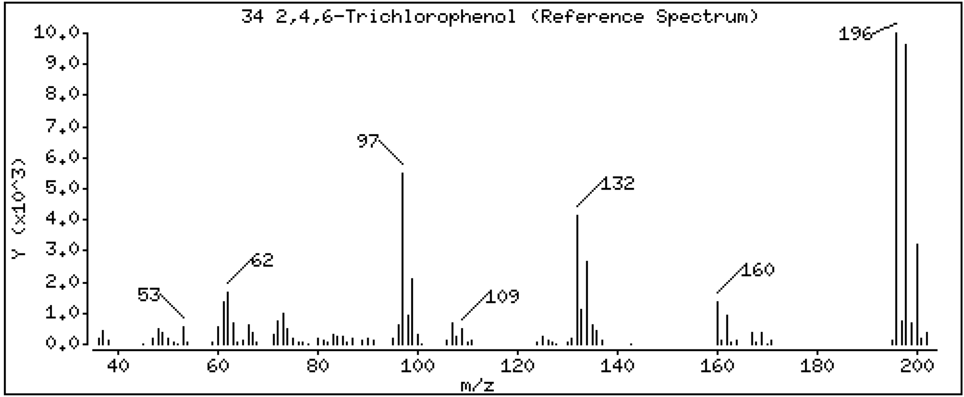
Column diameter: 0.25

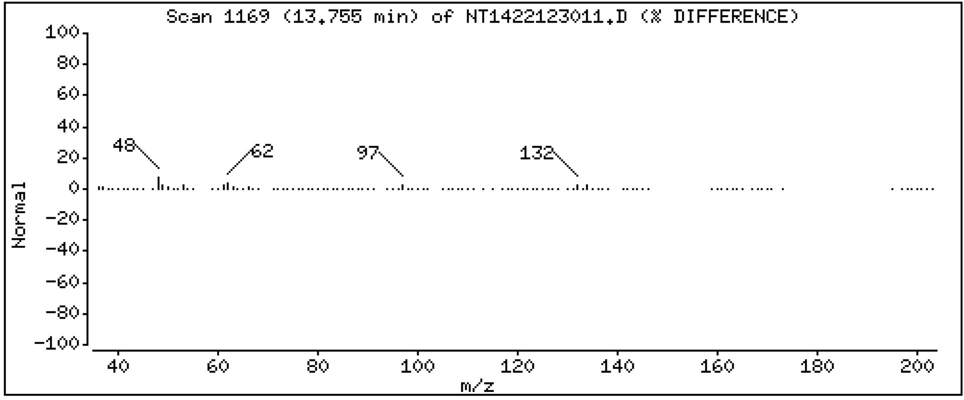
34 2,4,6-Trichlorophenol

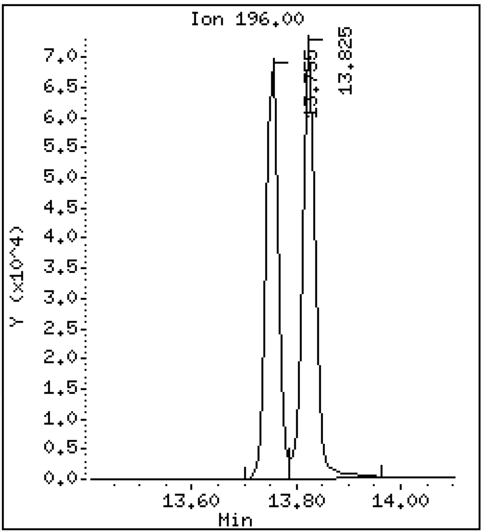
Concentration: 4.407 ug/mL

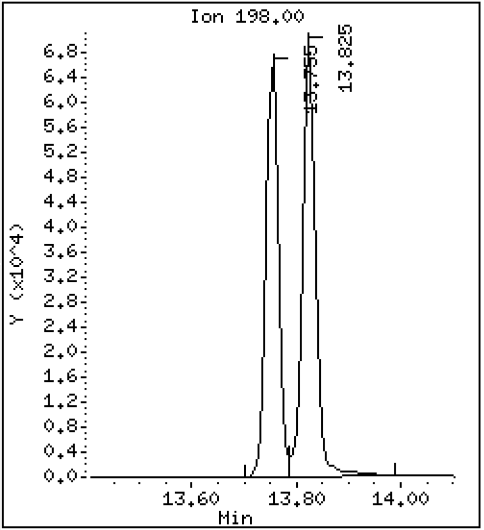


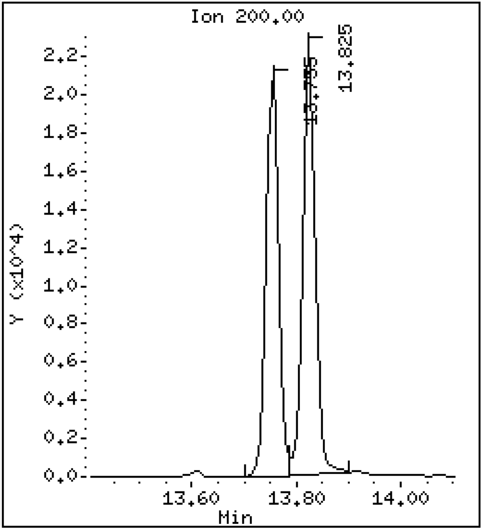












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Date : 30-DEC-2022 13:31

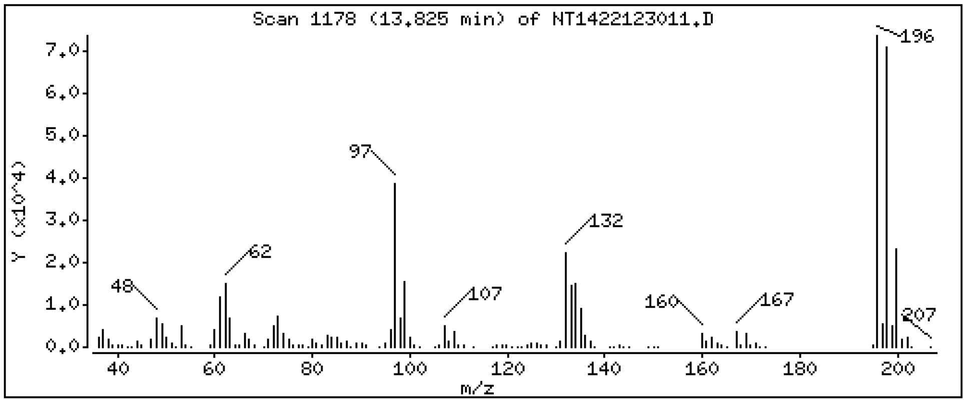
Client ID: Instrument: nt14.i

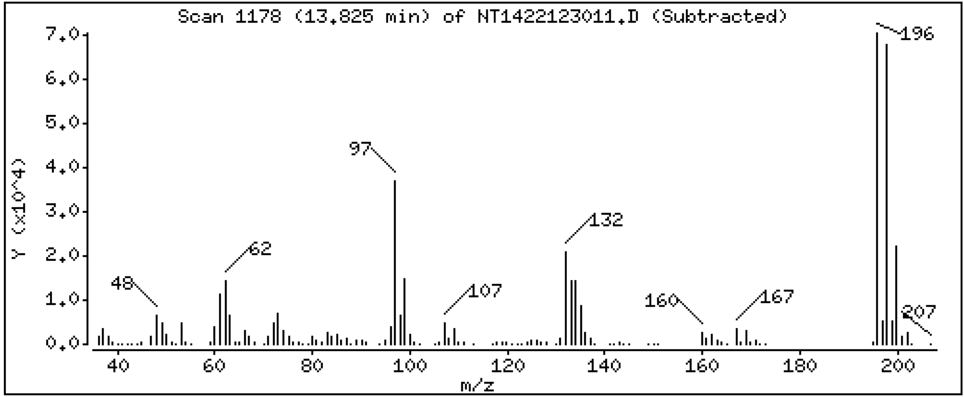
Sample Info: SKL0355-SCV1

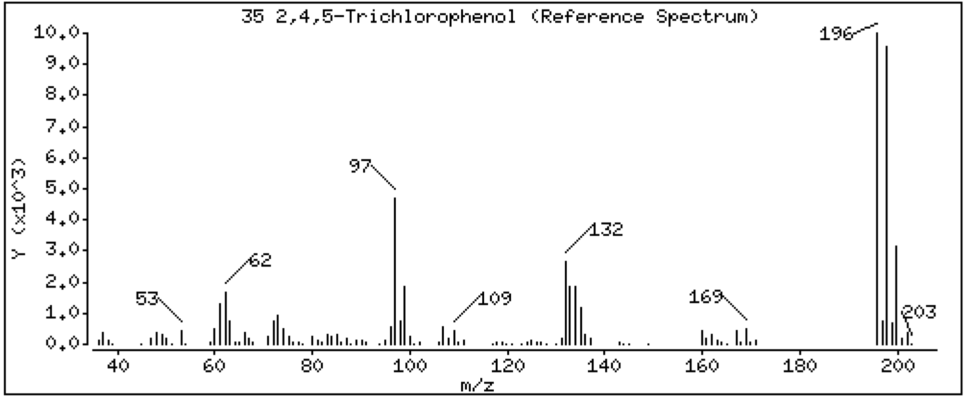
Operator: VTS

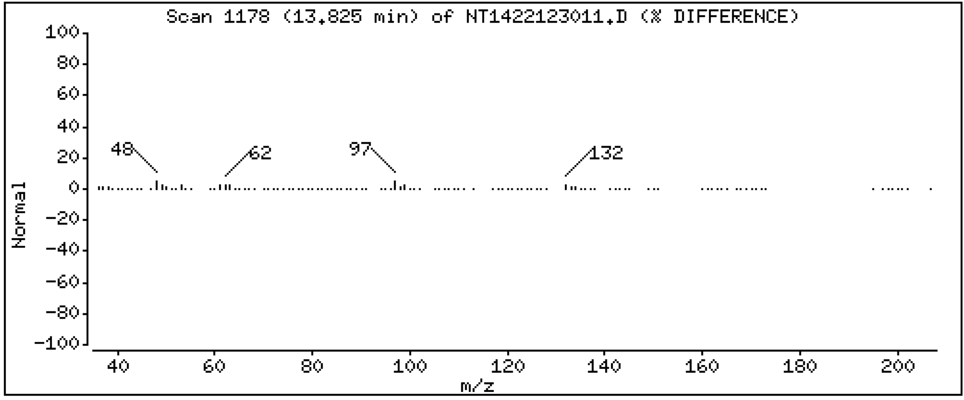
Column phase: ZB-5msi Column diameter: 0.25

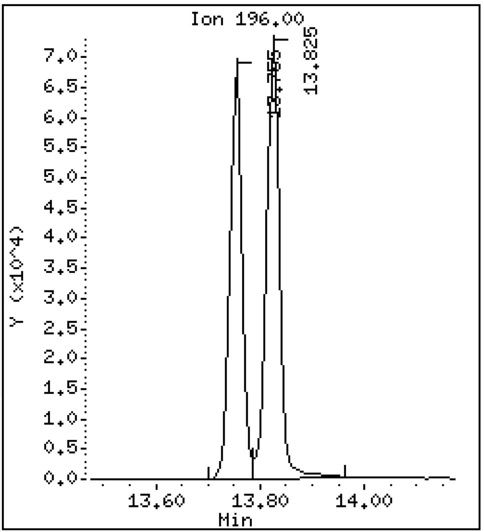
35 2,4,5-Trichlorophenol Concentration: 4.278 ug/mL

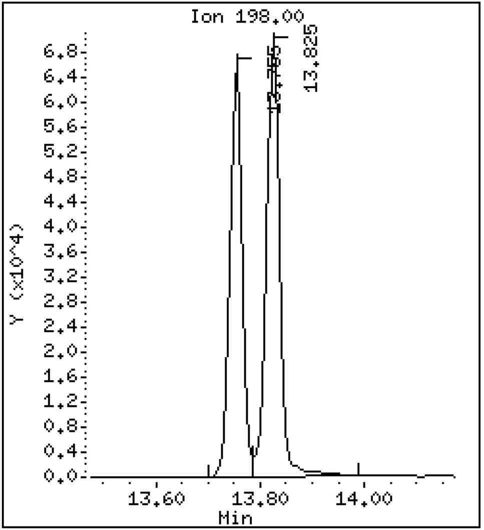


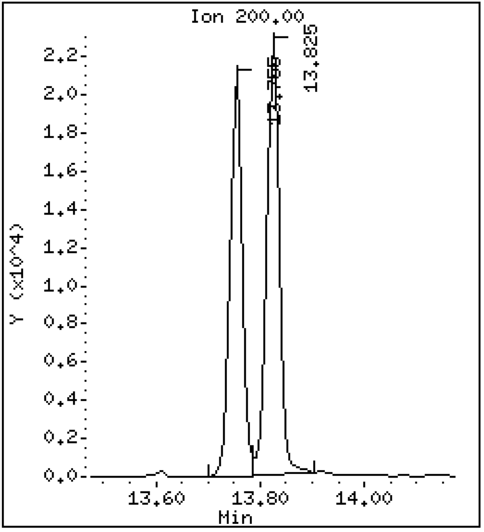












Data File: \\target\share\chem3\nt14.i\20221230.b\NT1422123011.D

Date : 30-DEC-2022 13:31

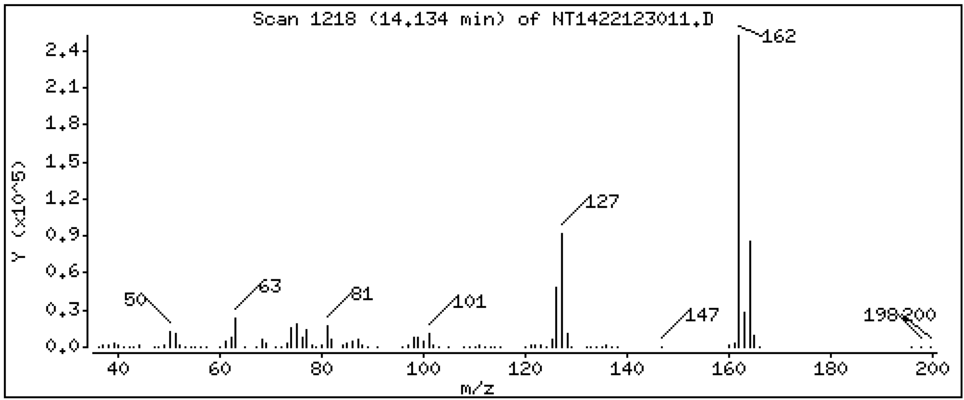
Client ID: Instrument: nt14.i

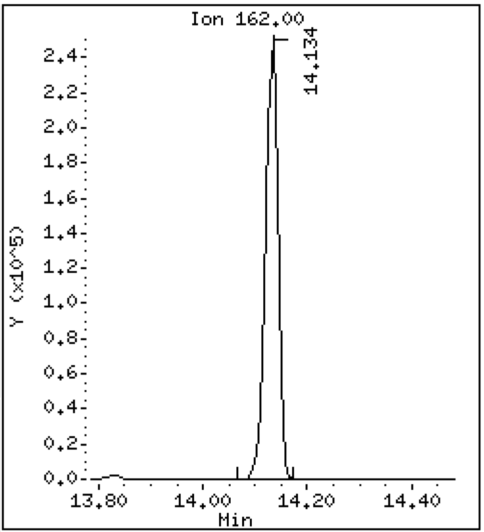
Sample Info: SKL0355-SCV1

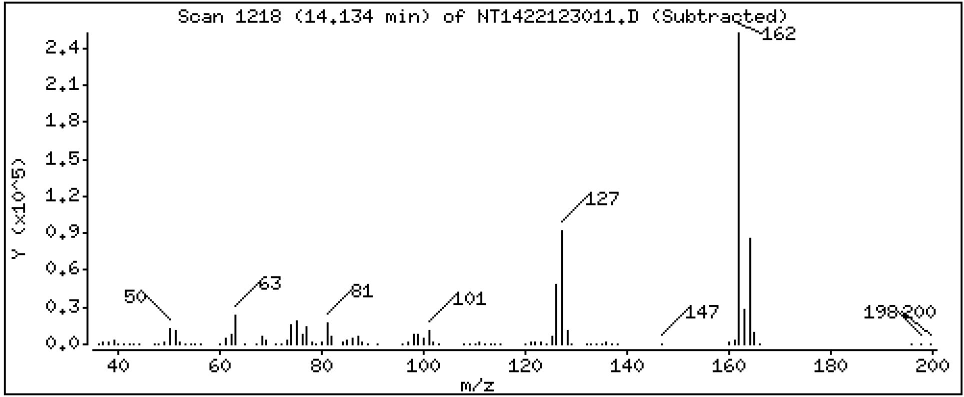
Operator: VTS

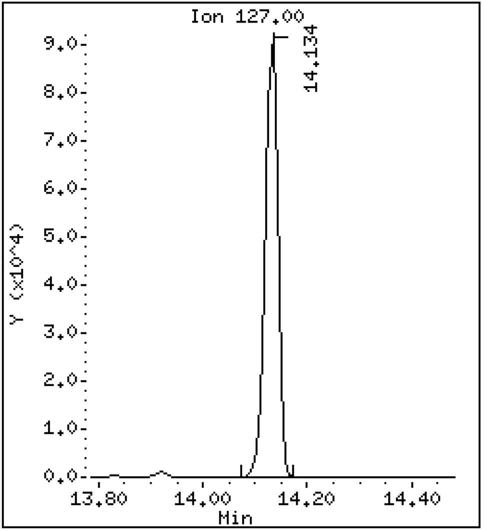
Column phase: ZB-5msi Column diameter: 0.25

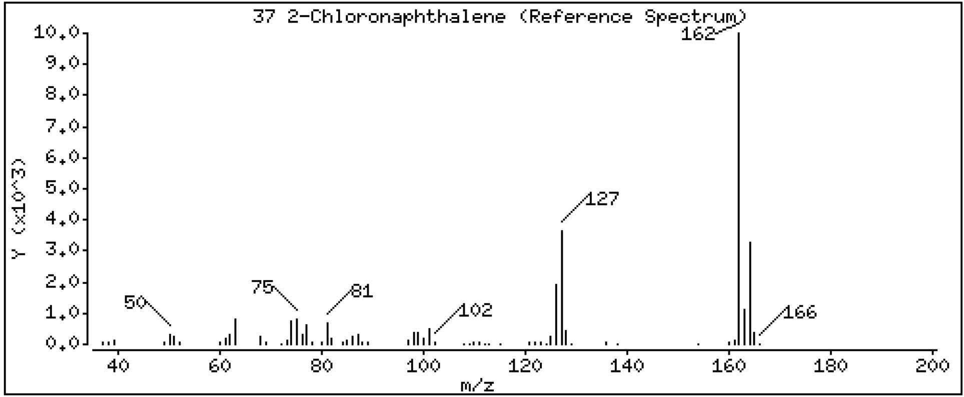
37 2-Chloronaphthalene Concentration: 4.754 ug/mL

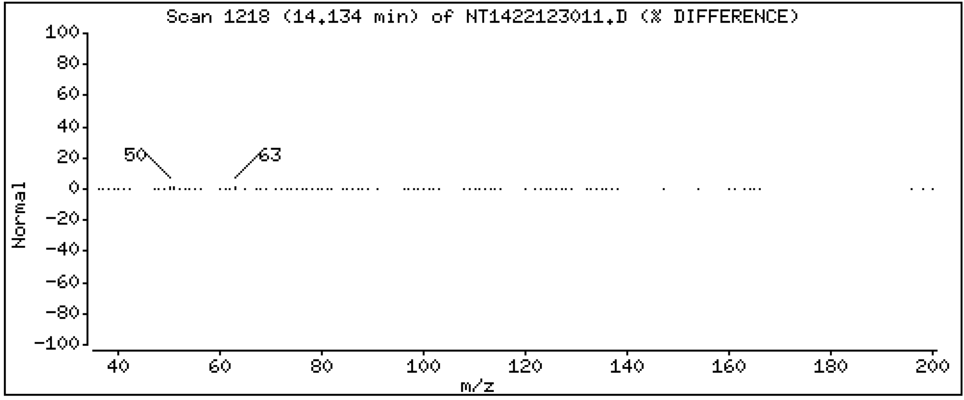

Scan 1218 (14.134 min) of NT1422123011.D

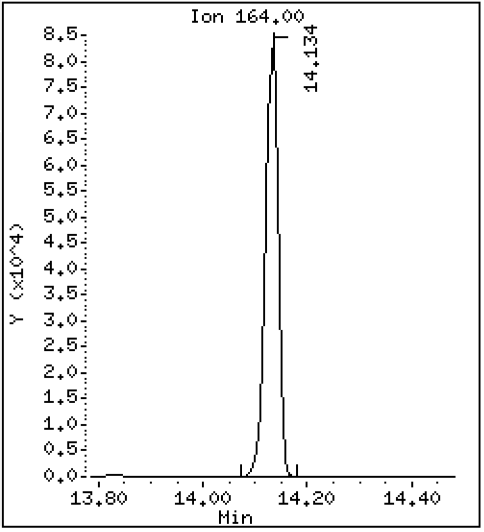

Ion 162.00


Scan 1218 (14.134 min) of NT1422123011.D (Subtracted)


Ion 127.00


37 2-Chloronaphthalene (Reference Spectrum)


Scan 1218 (14.134 min) of NT1422123011.D (% DIFFERENCE)


Ion 164.00

Data File: \\target\share\chem3\nt14.i\20221230.b\NT1422123011.D

Date : 30-DEC-2022 13:31

Client ID:

Instrument: nt14.i

Sample Info: SKL0355-SCV1

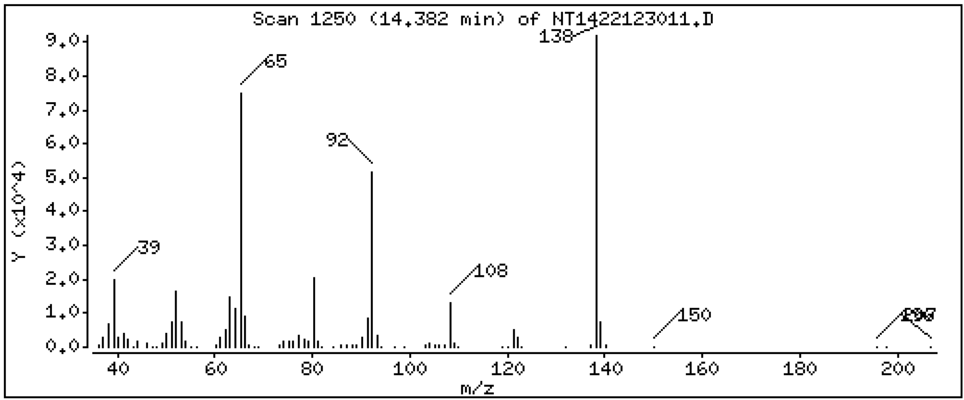
Operator: VTS

Column phase: ZB-5msi

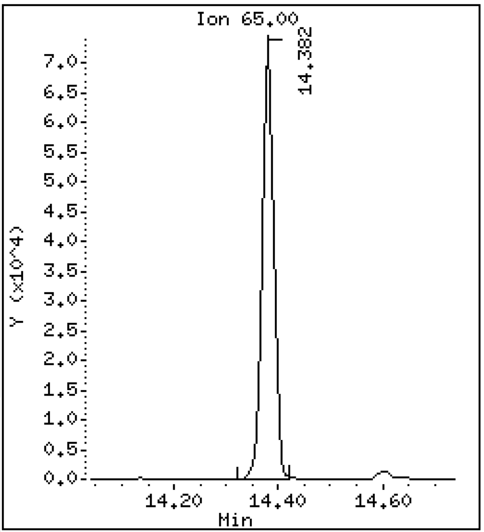
Column diameter: 0.25

38 2-Nitroaniline

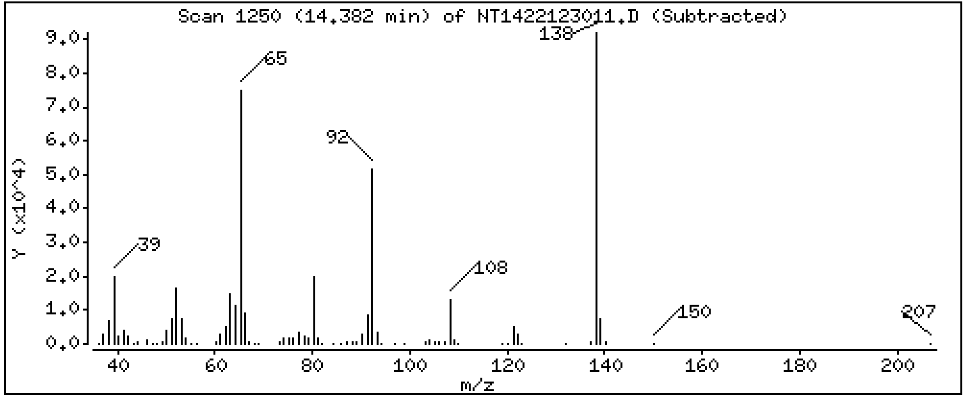
Concentration: 5.043 ug/mL



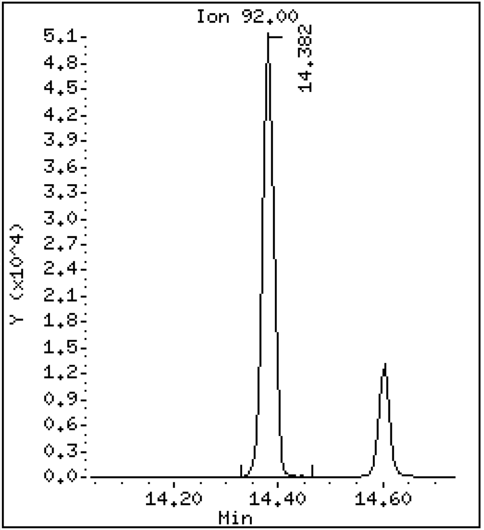
Scan 1250 (14.382 min) of NT1422123011.D



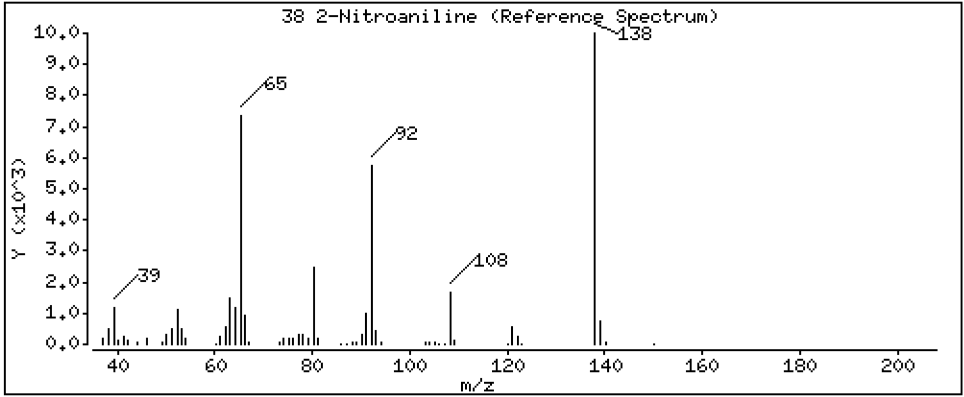
Ion 65.00



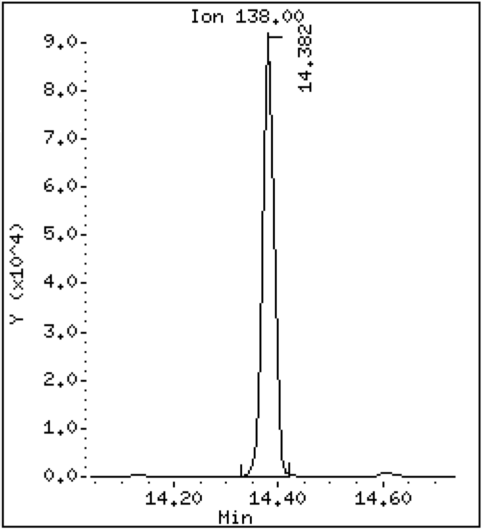
Scan 1250 (14.382 min) of NT1422123011.D (Subtracted)



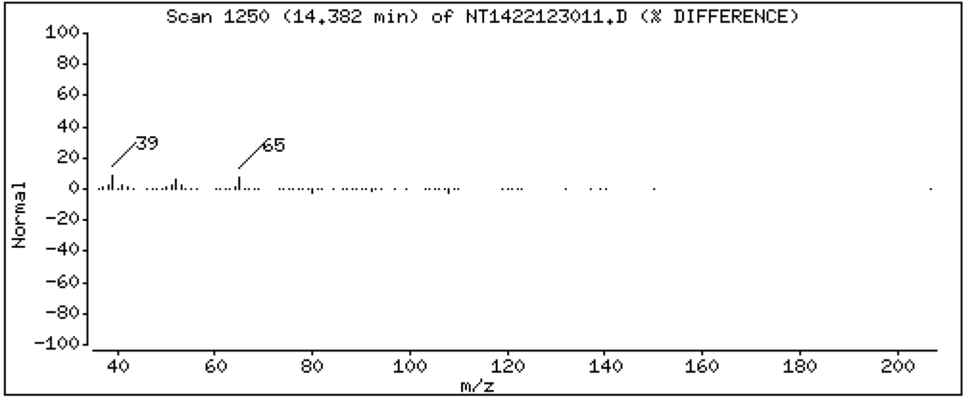
Ion 92.00



38 2-Nitroaniline (Reference Spectrum)



Ion 138.00



Scan 1250 (14.382 min) of NT1422123011.D (% DIFFERENCE)

Data File: \\target\share\chem3\nt14.i\20221230.b\NT1422123011.D

Date : 30-DEC-2022 13:31

Client ID:

Instrument: nt14.i

Sample Info: SKL0355-SCV1

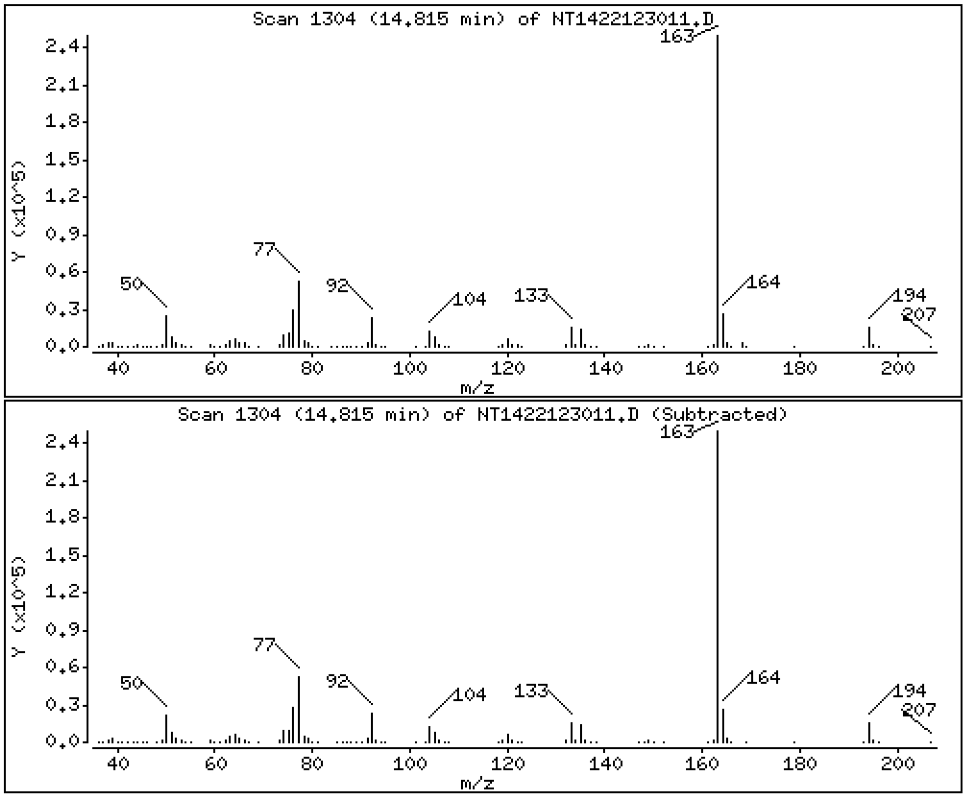
Operator: VTS

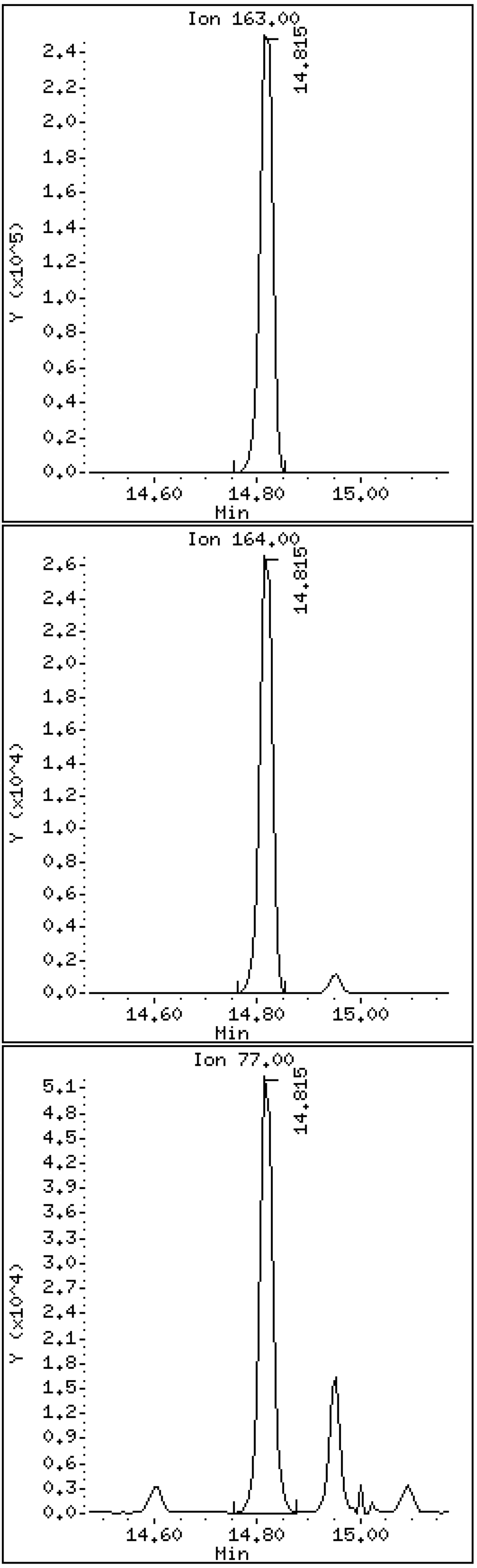
Column phase: ZB-5msi

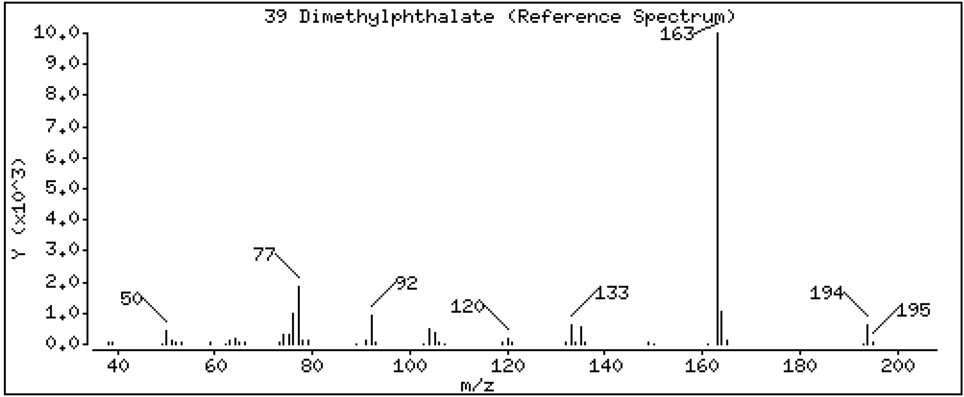
Column diameter: 0.25

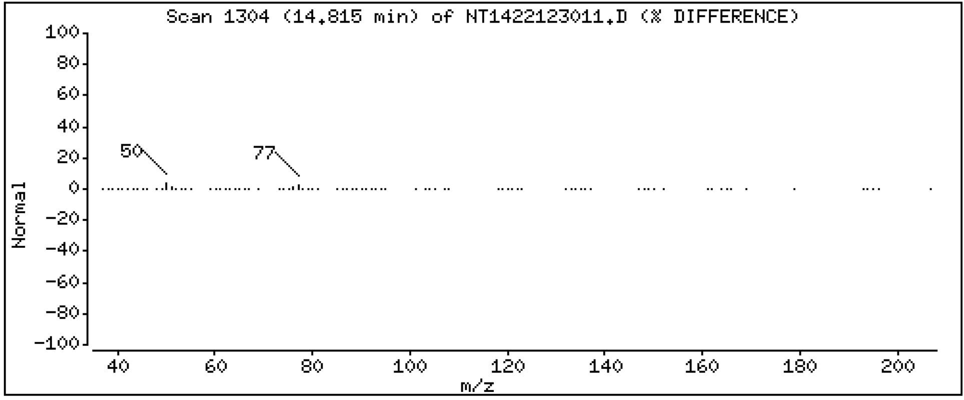
39 Dimethylphthalate

Concentration: 5.023 ug/mL









Data File: \\target\share\chem3\nt14.i\20221230.b\NT1422123011.D

Date : 30-DEC-2022 13:31

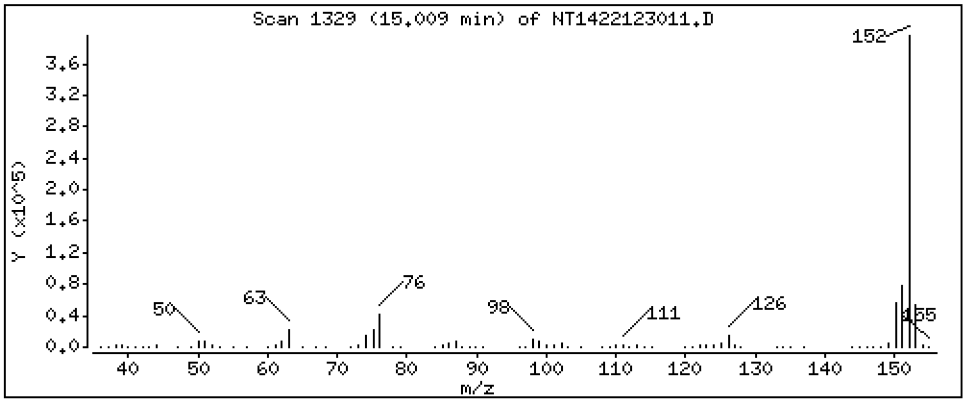
Client ID: Instrument: nt14.i

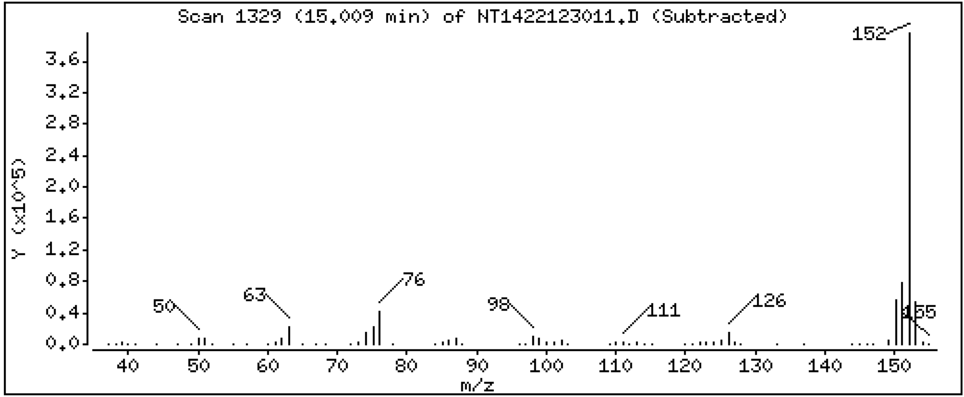
Sample Info: SKL0355-SCV1

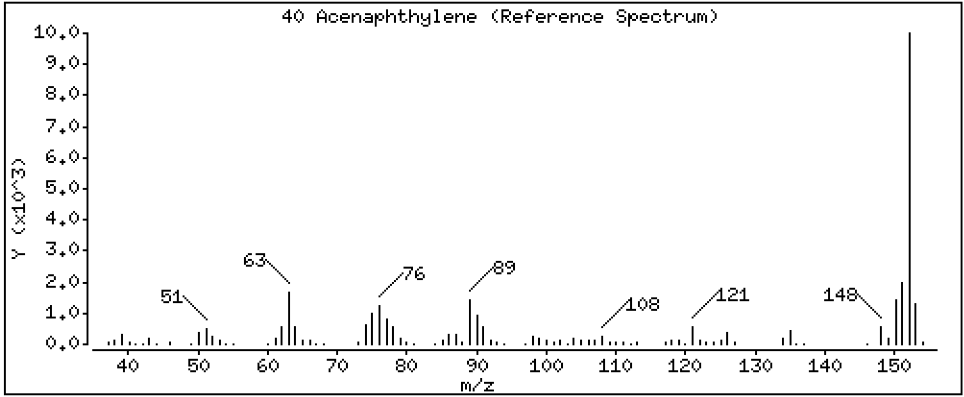
Operator: VTS

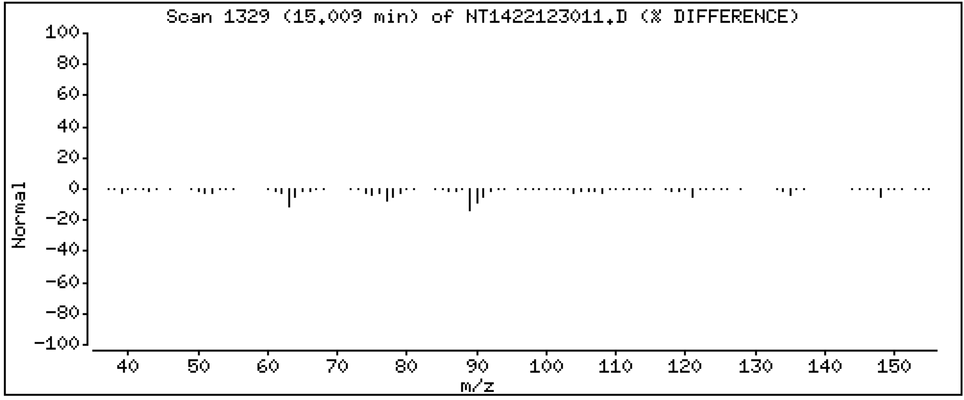
Column phase: ZB-5msi Column diameter: 0.25

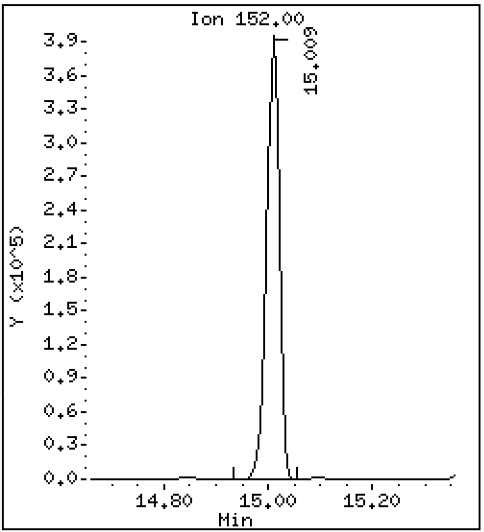
40 Acenaphthylene Concentration: 5.000 ug/mL

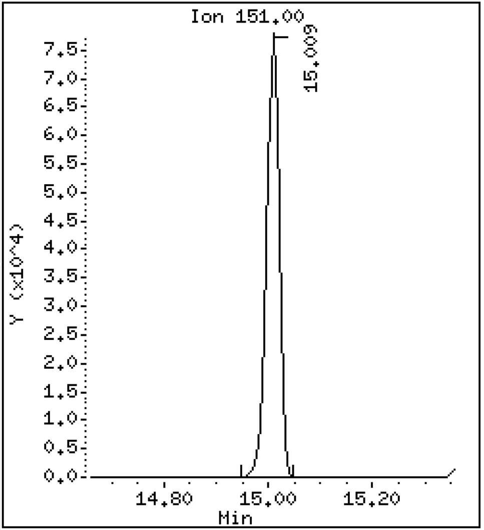

Scan 1329 (15.009 min) of NT1422123011.D

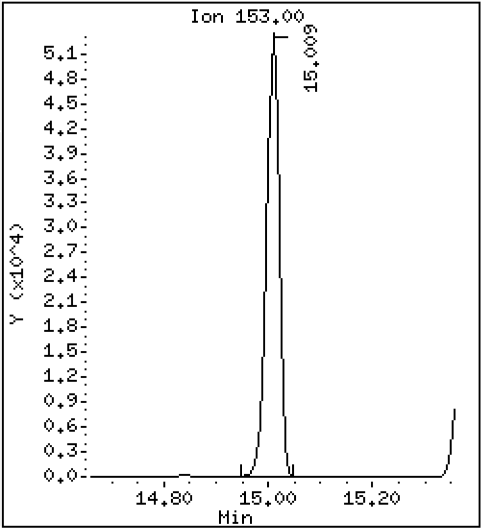

Scan 1329 (15.009 min) of NT1422123011.D (Subtracted)


40 Acenaphthylene (Reference Spectrum)


Scan 1329 (15.009 min) of NT1422123011.D (% DIFFERENCE)


Ion 152.00


Ion 151.00


Ion 153.00

Data File: \\target\share\chem3\nt14.i\20221230.b\NT1422123011.D

Date : 30-DEC-2022 13:31

Client ID:

Instrument: nt14.i

Sample Info: SKL0355-SCV1

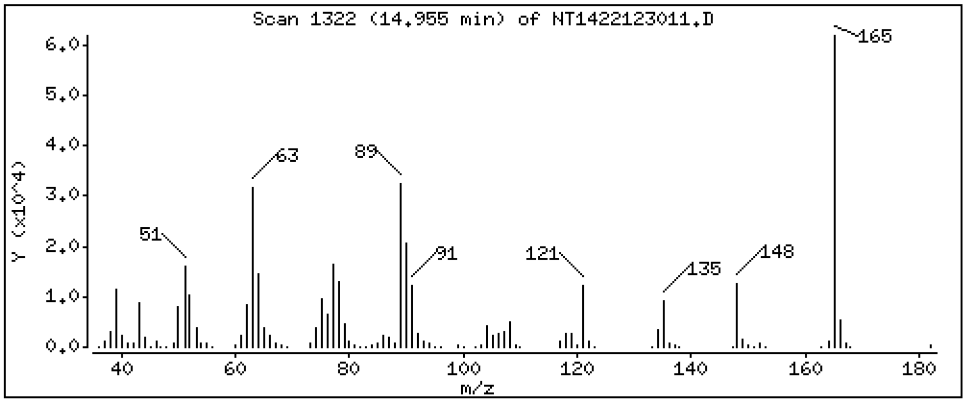
Operator: VTS

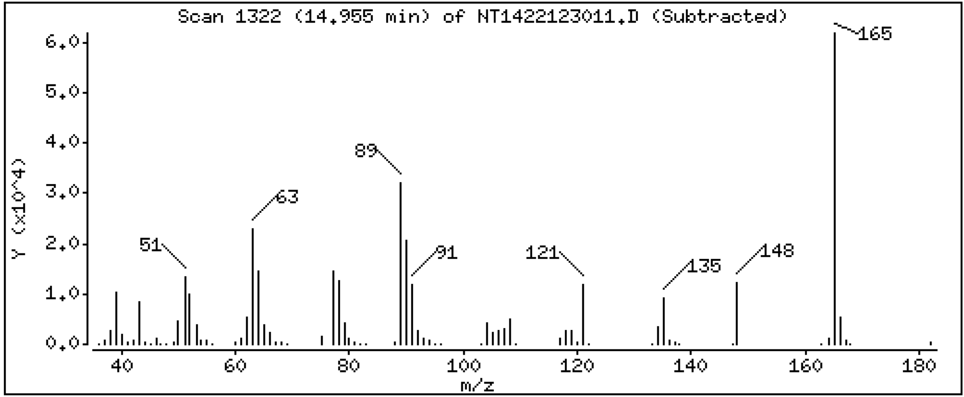
Column phase: ZB-5msi

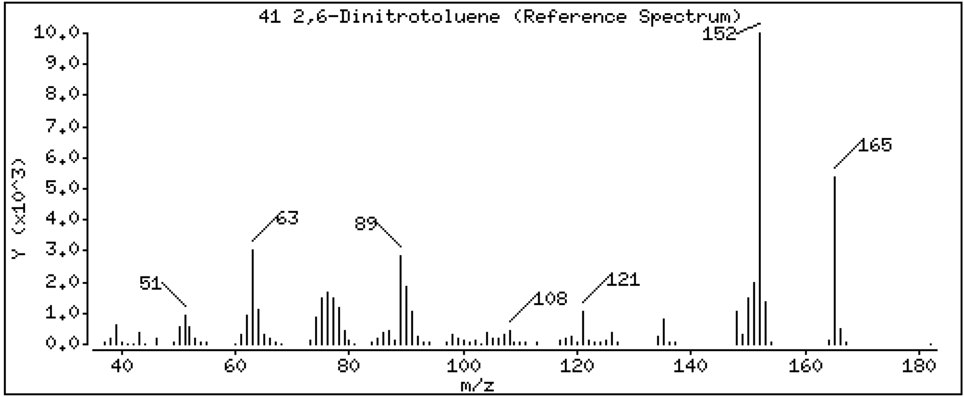
Column diameter: 0.25

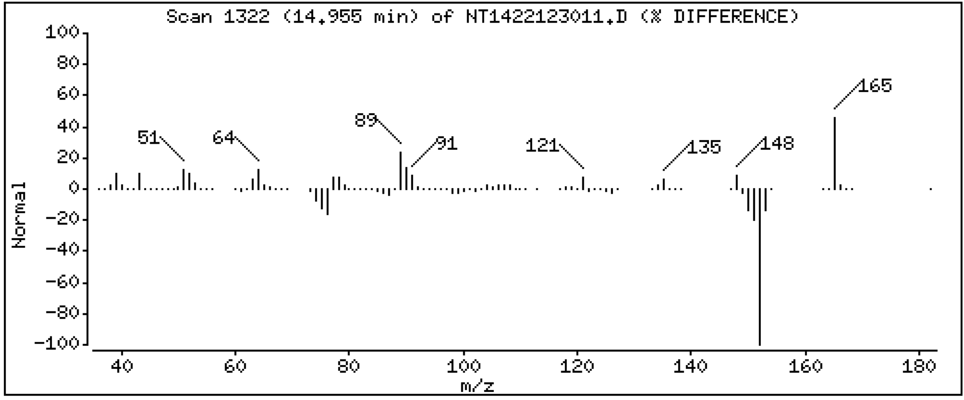
41 2,6-Dinitrotoluene

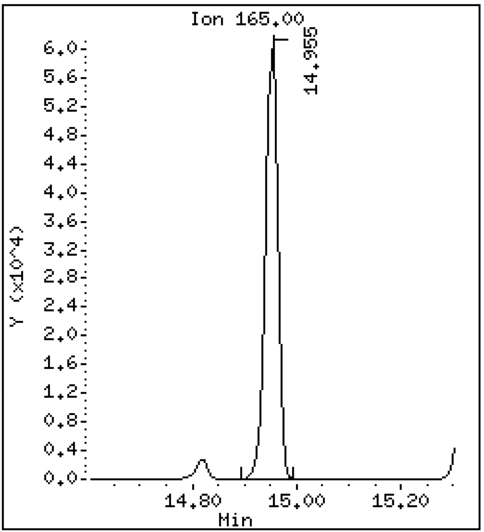
Concentration: 5.115 ug/mL

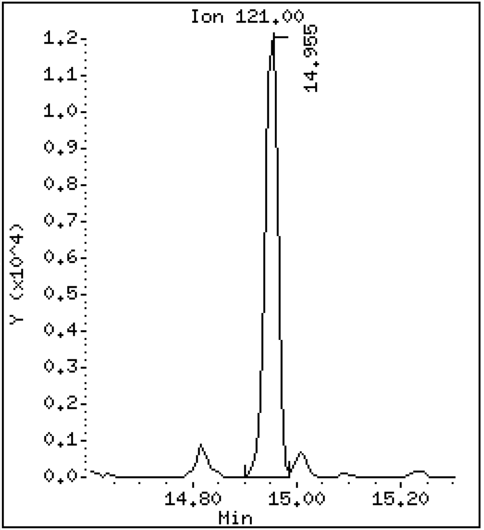


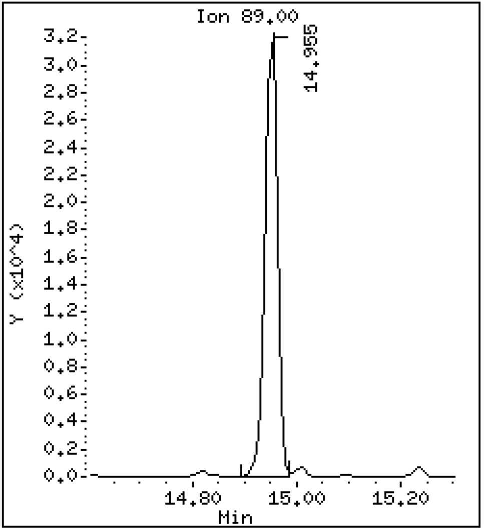












Data File: \\target\share\chem3\nt14.i\20221230.b\NT1422123011.D

Date : 30-DEC-2022 13:31

Client ID:

Instrument: nt14.i

Sample Info: SKL0355-SCV1

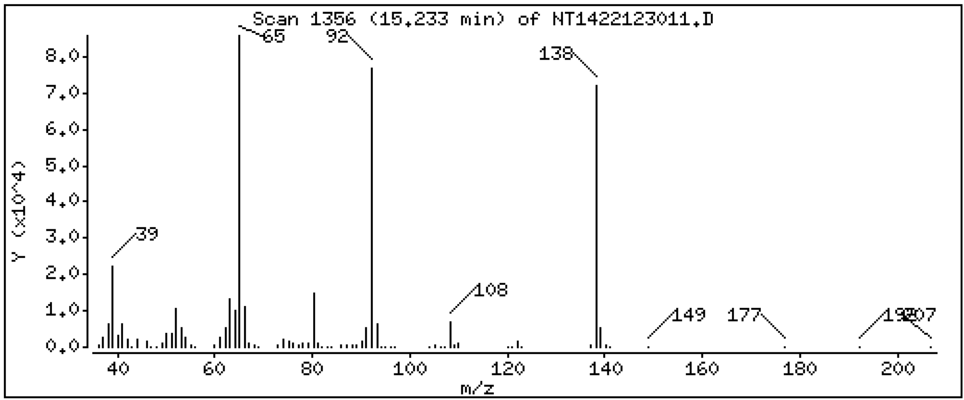
Operator: VTS

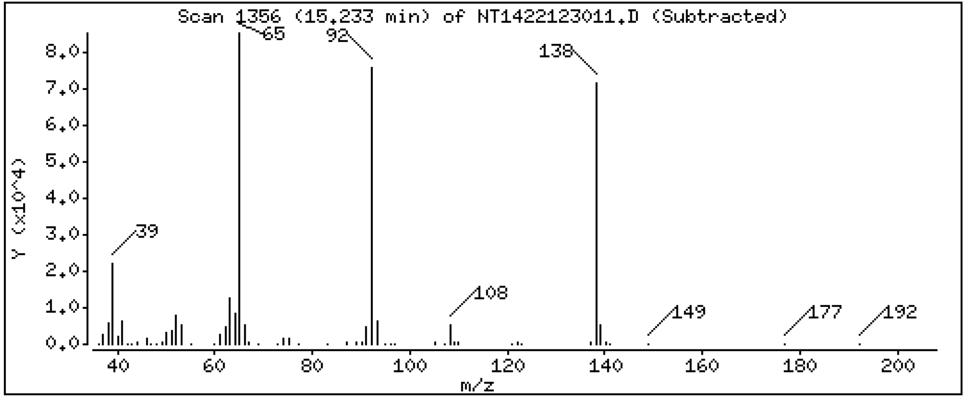
Column phase: ZB-5msi

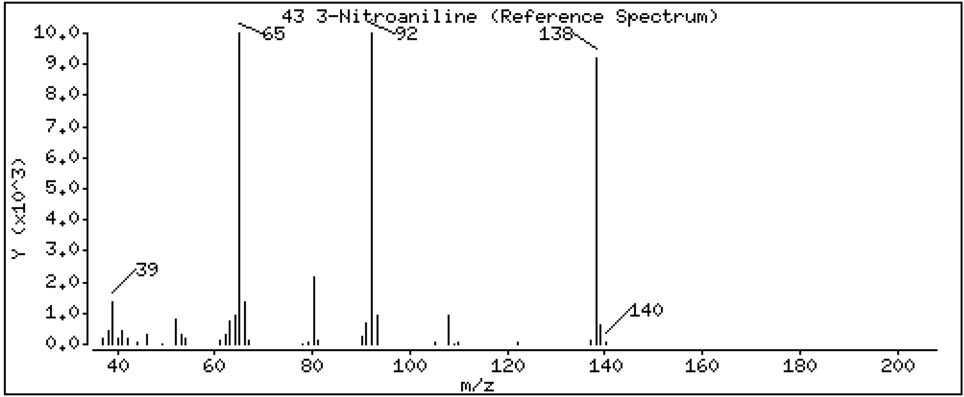
Column diameter: 0.25

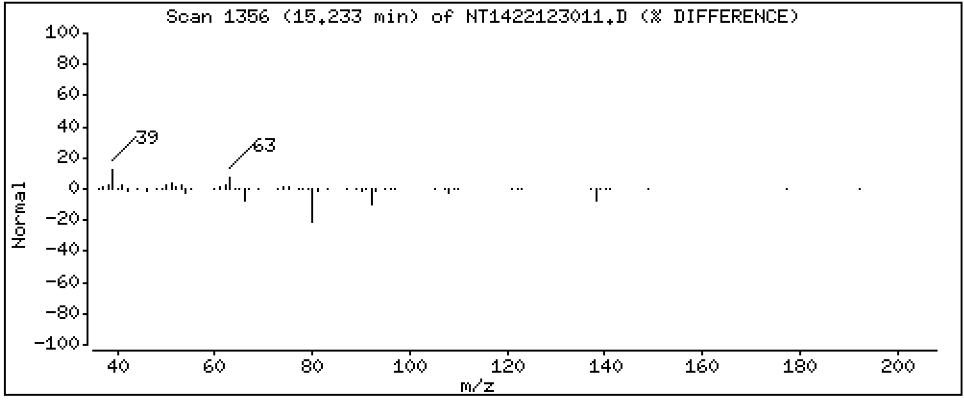
43 3-Nitroaniline

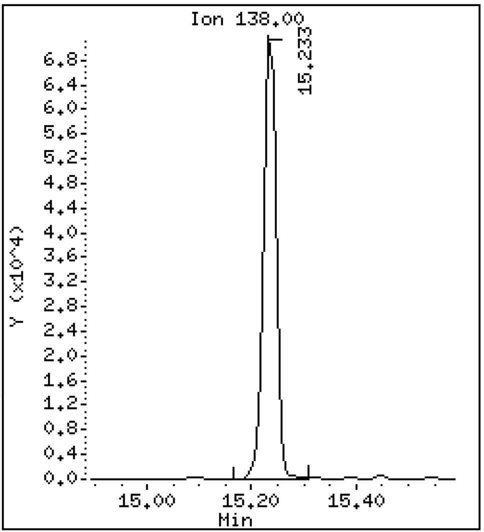
Concentration: 5.088 ug/mL

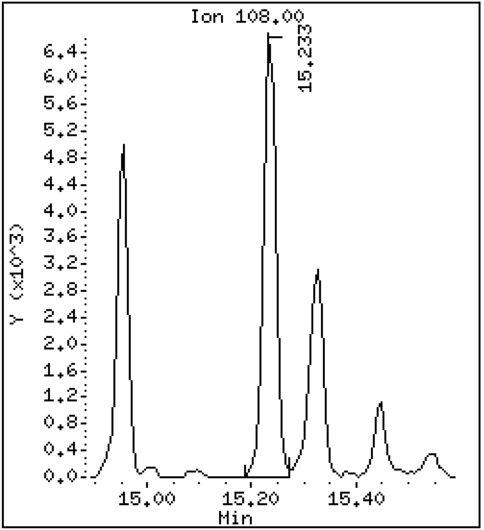


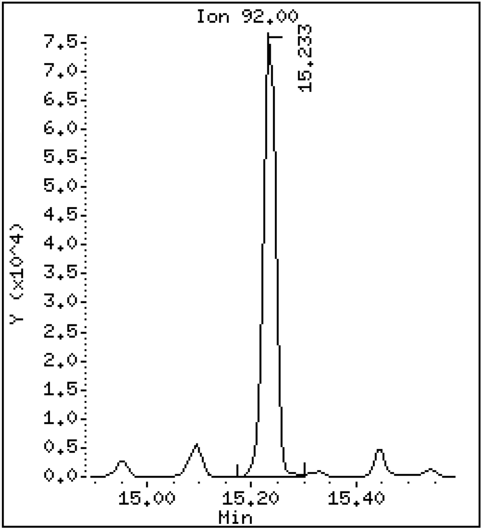












Date : 30-DEC-2022 13:31

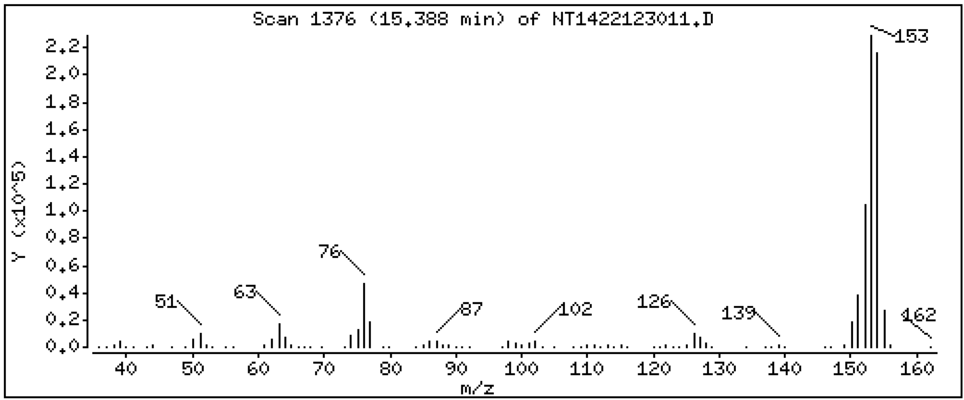
Client ID: Instrument: nt14.i

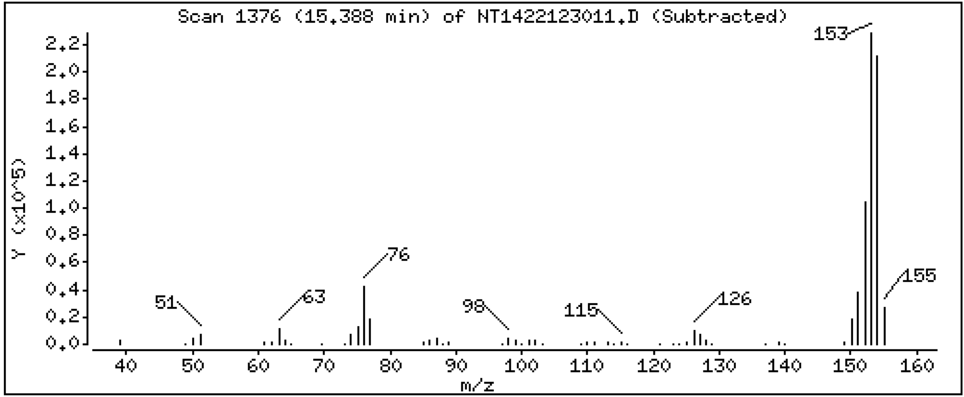
Sample Info: SKL0355-SCV1

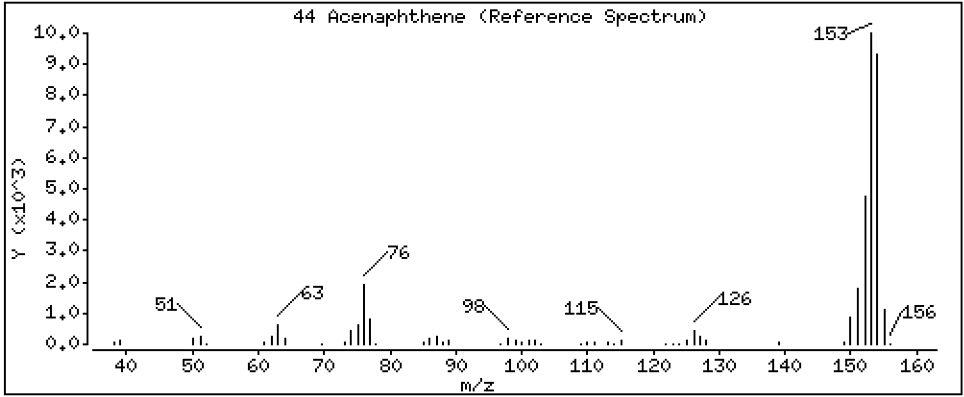
Operator: VTS

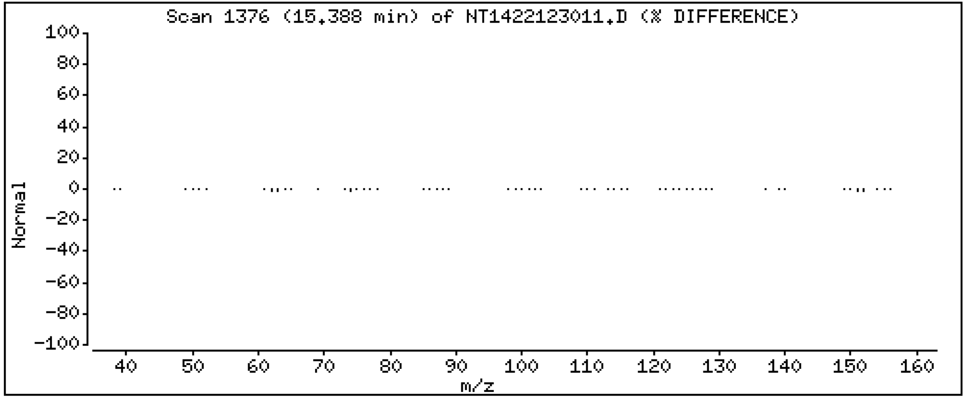
Column phase: ZB-5msi Column diameter: 0.25

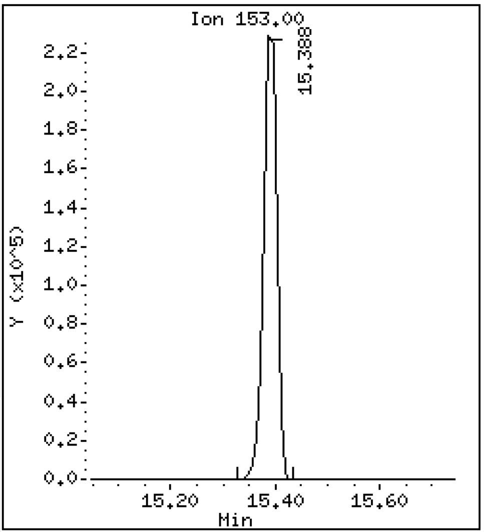
44 Acenaphthene Concentration: 4.916 ug/mL

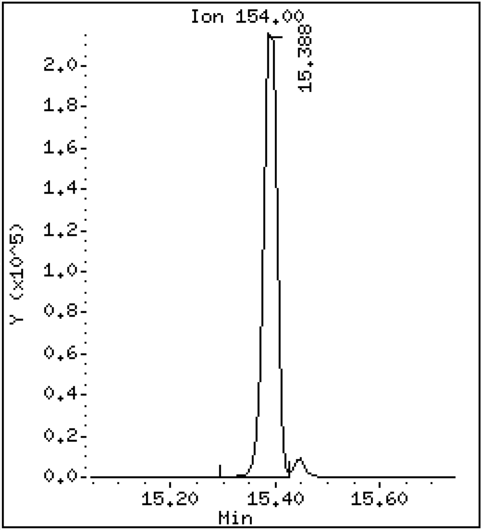


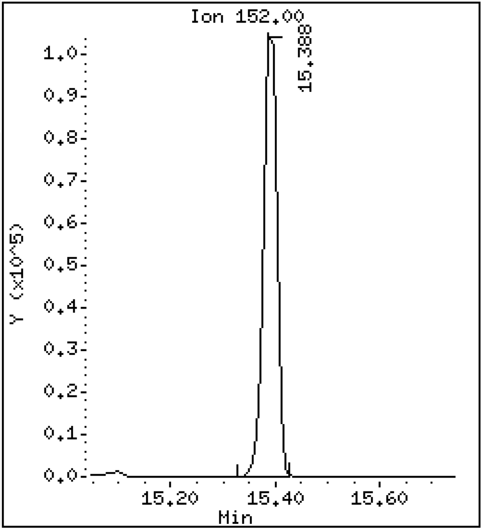












Data File: \\target\share\chem3\nt14.i\20221230.b\NT1422123011.D

Date : 30-DEC-2022 13:31

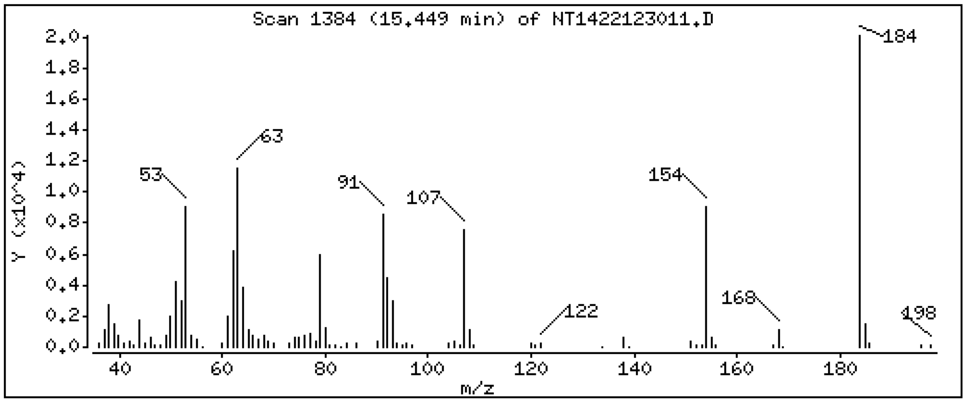
Client ID: Instrument: nt14.i

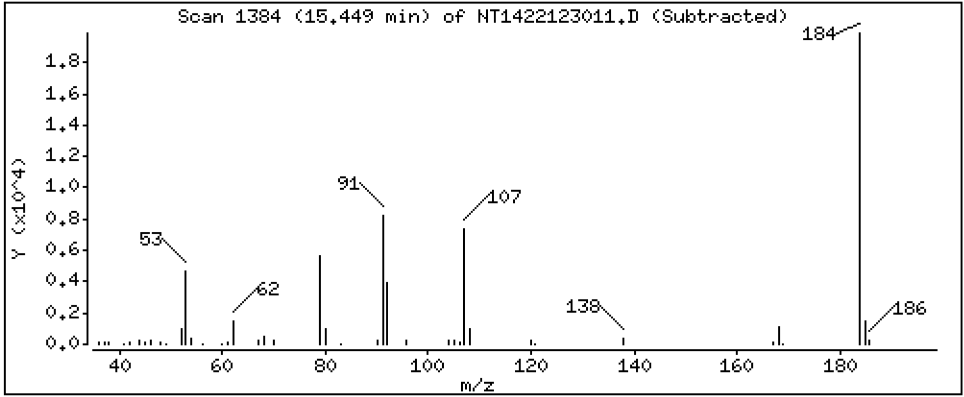
Sample Info: SKL0355-SCV1

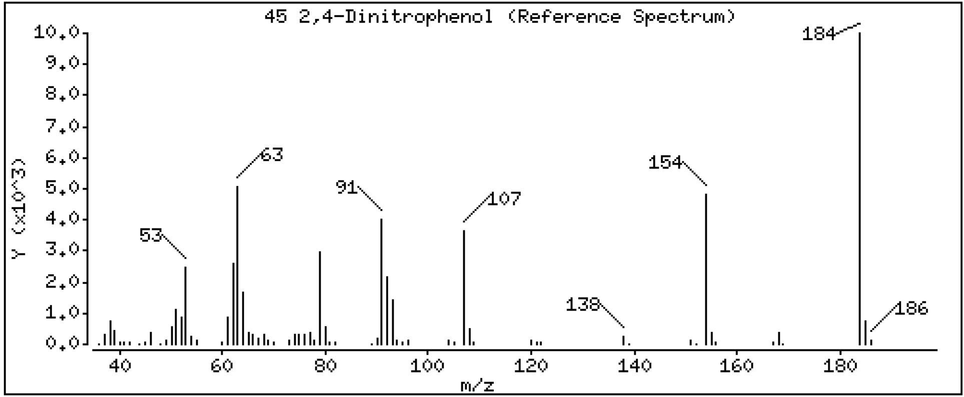
Operator: VTS

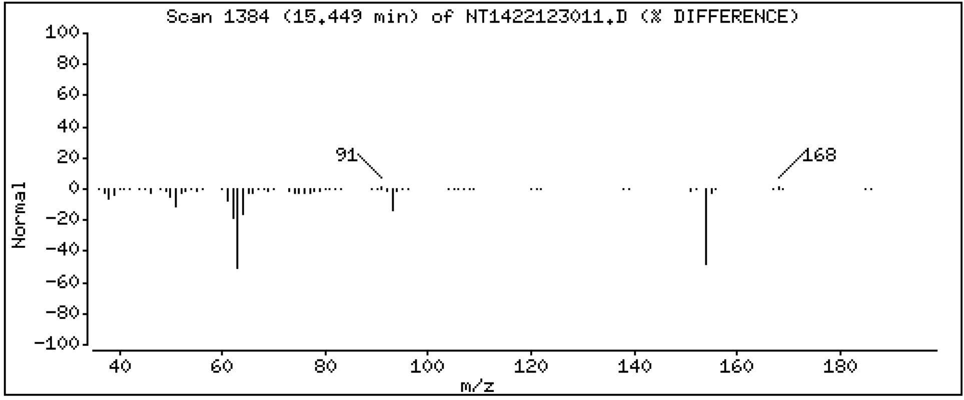
Column phase: ZB-5msi Column diameter: 0.25

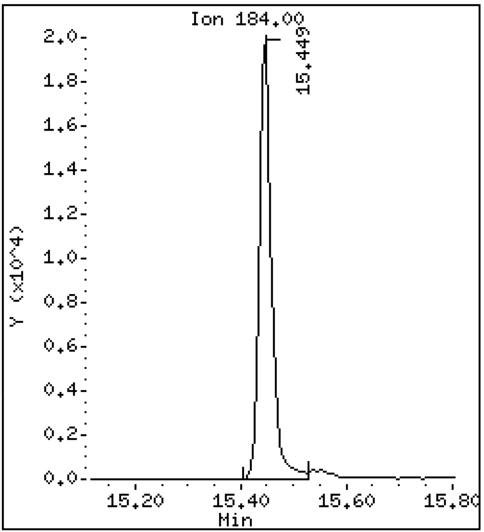
45 2,4-Dinitrophenol Concentration: 2.036 ug/mL

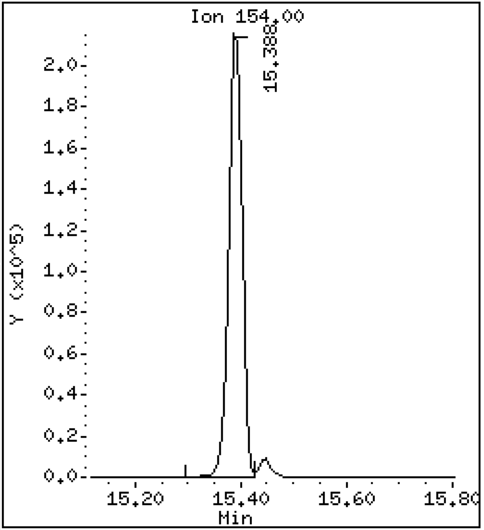

Scan 1384 (15.449 min) of NT1422123011.D

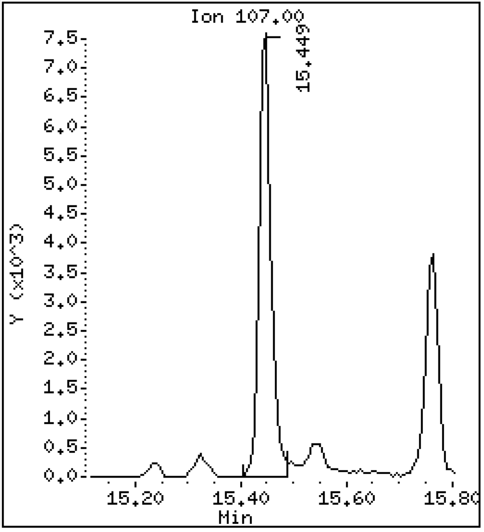

Scan 1384 (15.449 min) of NT1422123011.D (Subtracted)


45 2,4-Dinitrophenol (Reference Spectrum)


Scan 1384 (15.449 min) of NT1422123011.D (% DIFFERENCE)


Ion 184.00


Ion 154.00


Ion 107.00

Date : 30-DEC-2022 13:31

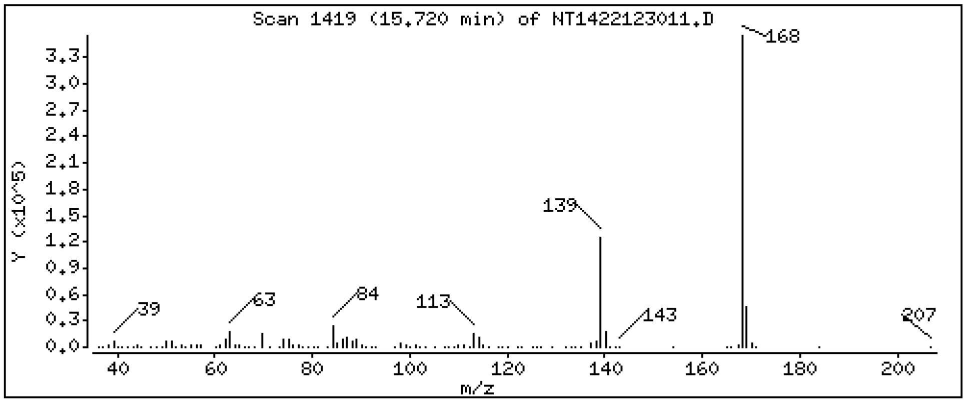
Client ID: Instrument: nt14.i

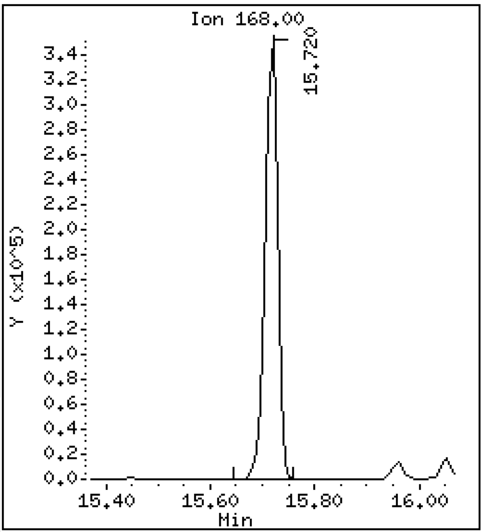
Sample Info: SKL0355-SCV1

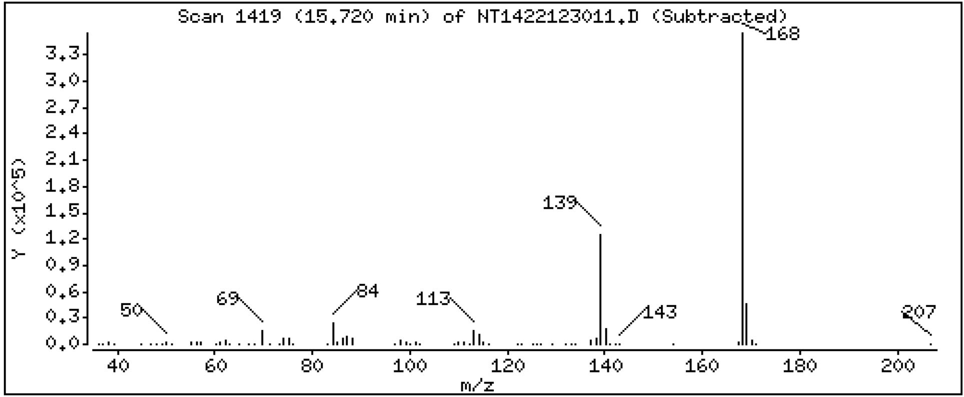
Operator: VTS

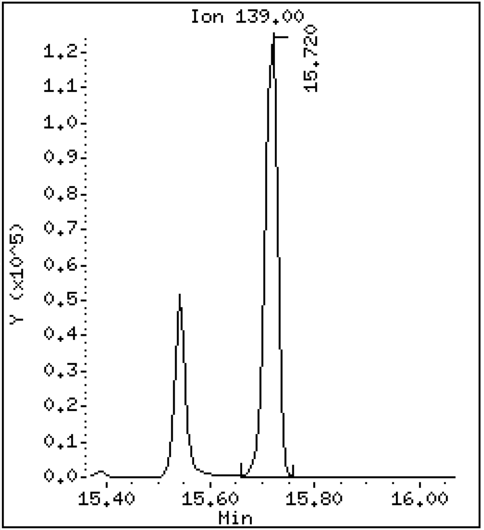
Column phase: ZB-5msi Column diameter: 0.25

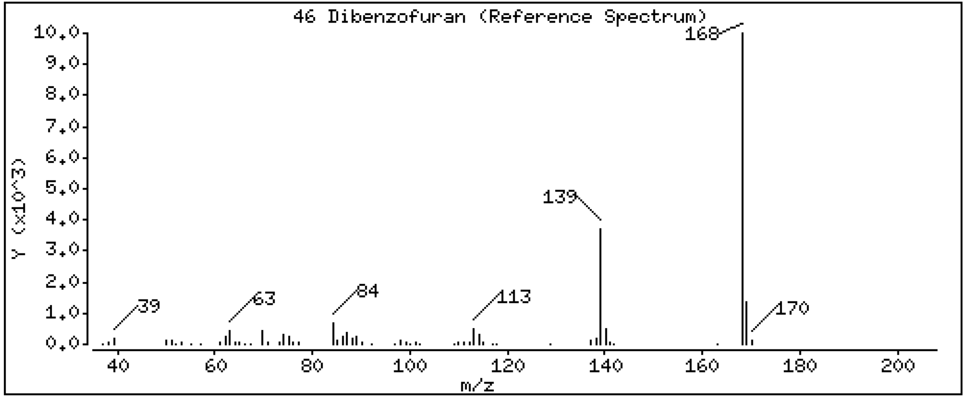
46 Dibenzofuran Concentration: 4.709 ug/mL

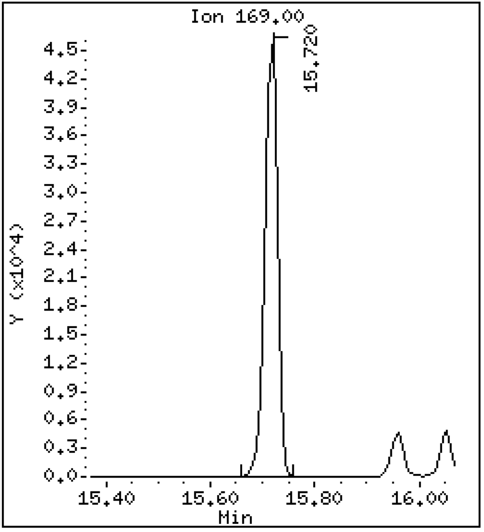


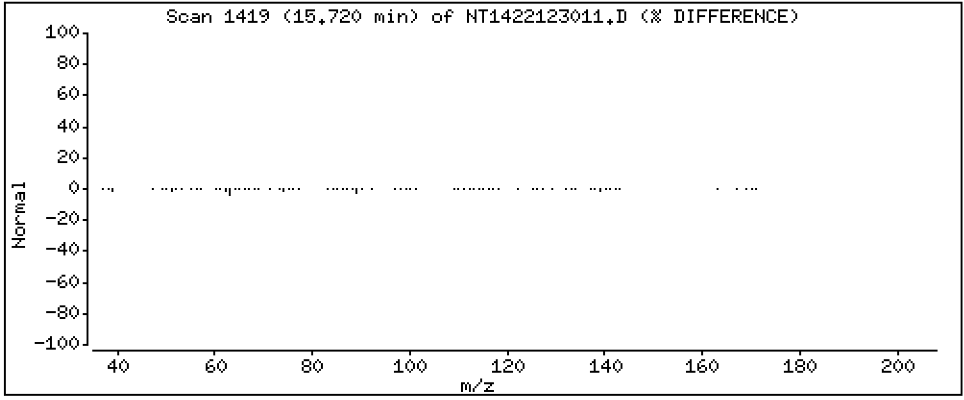












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Date : 30-DEC-2022 13:31

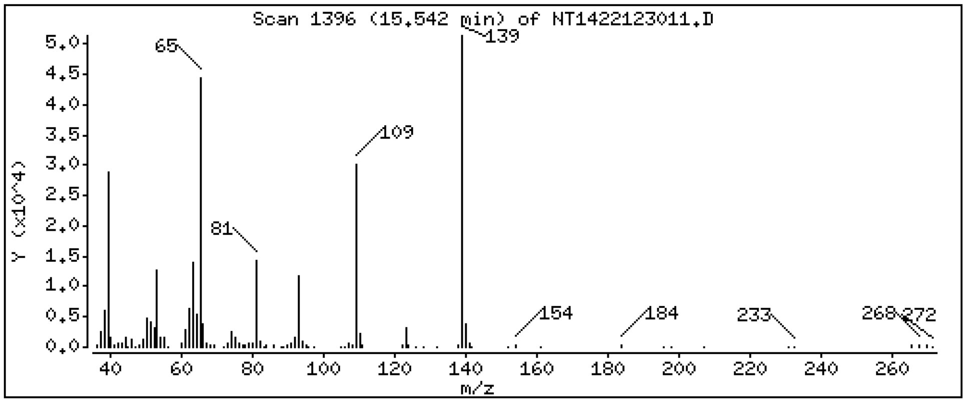
Client ID: Instrument: nt14.i

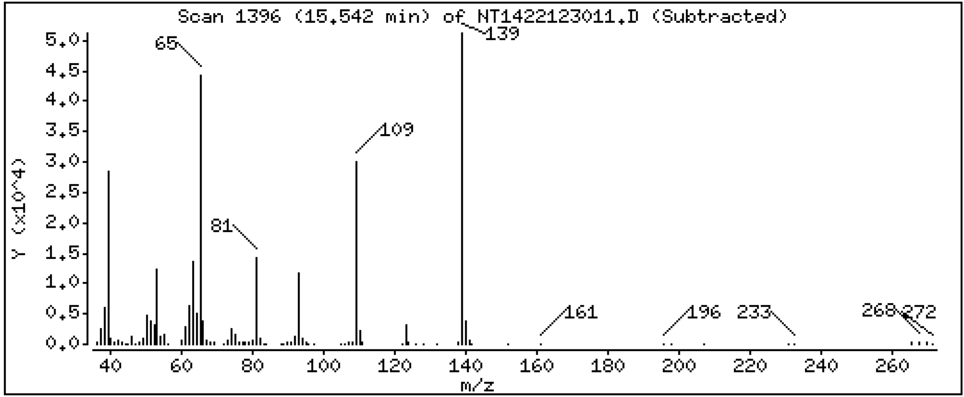
Sample Info: SKL0355-SCV1

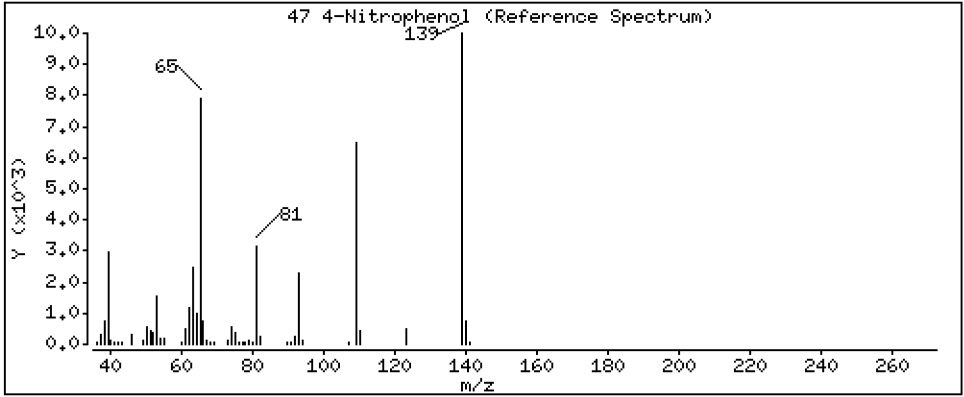
Operator: VTS

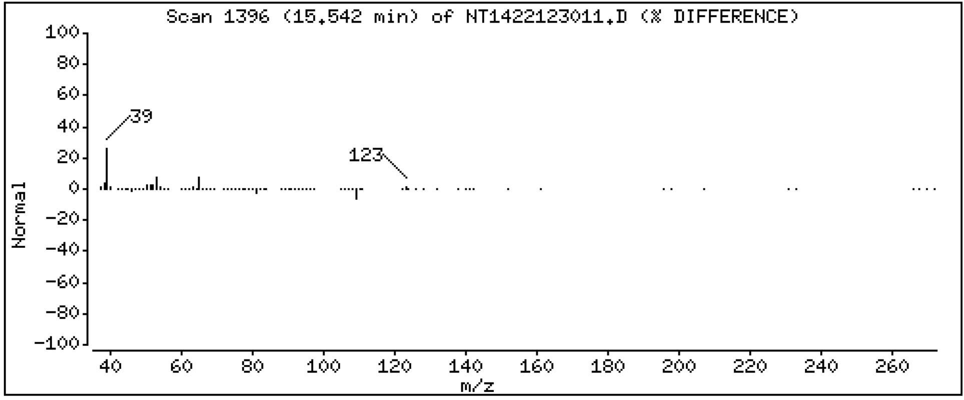
Column phase: ZB-5msi Column diameter: 0.25

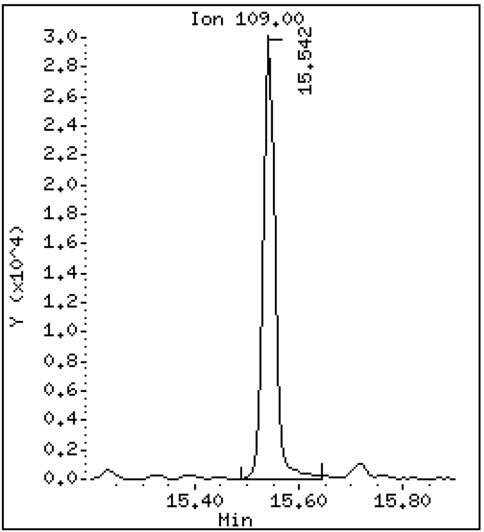
47 4-Nitrophenol Concentration: 4.077 ug/mL

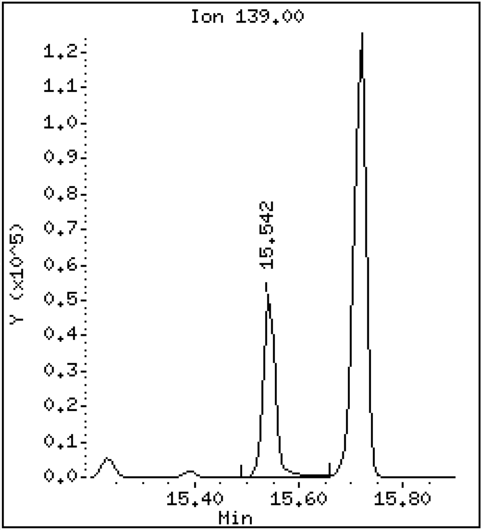

Scan 1396 (15.542 min) of NT1422123011.D

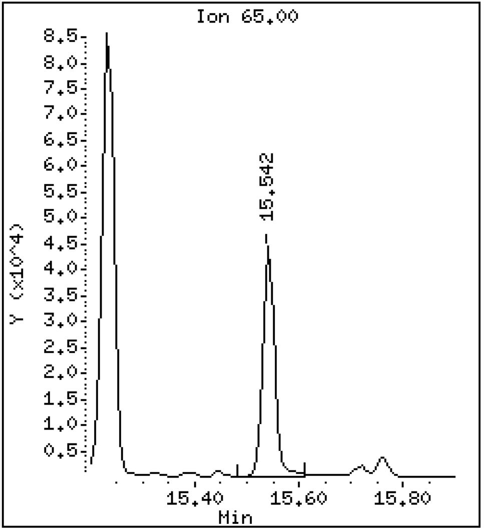

Scan 1396 (15.542 min) of NT1422123011.D (Subtracted)


47 4-Nitrophenol (Reference Spectrum)


Scan 1396 (15.542 min) of NT1422123011.D (% DIFFERENCE)


Ion 109.00


Ion 139.00


Ion 65.00

Data File: \\target\share\chem3\nt14.i\20221230.b\NT1422123011.D

Date : 30-DEC-2022 13:31

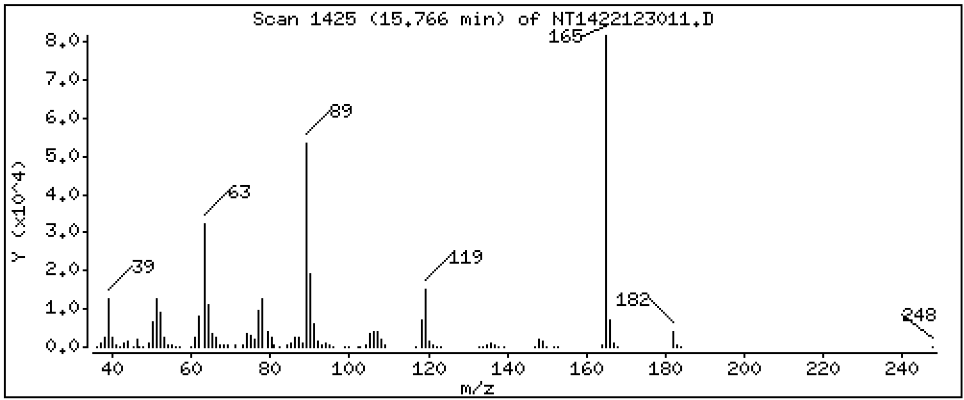
Client ID: Instrument: nt14.i

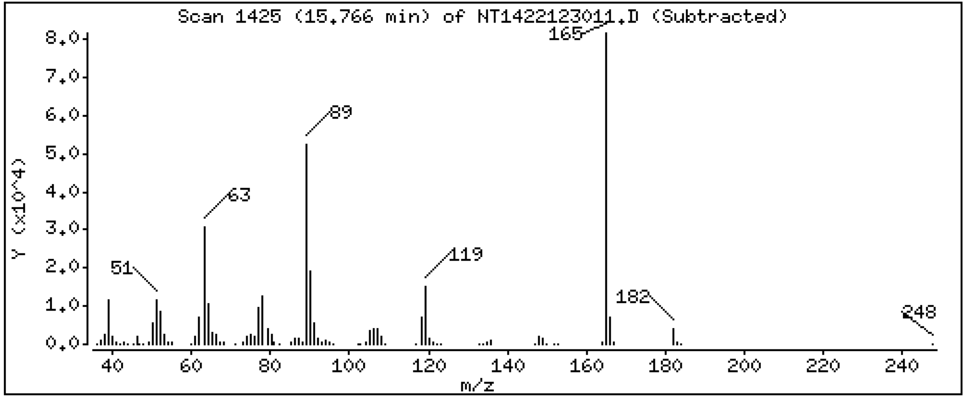
Sample Info: SKL0355-SCV1

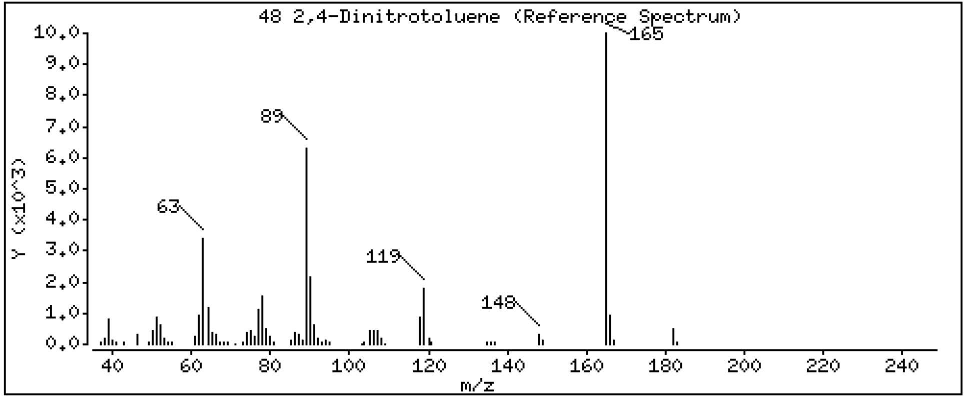
Operator: VTS

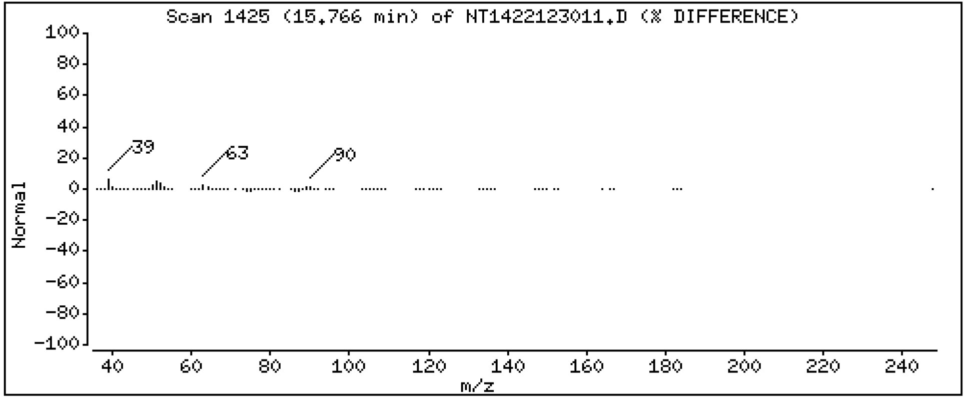
Column phase: ZB-5msi Column diameter: 0.25

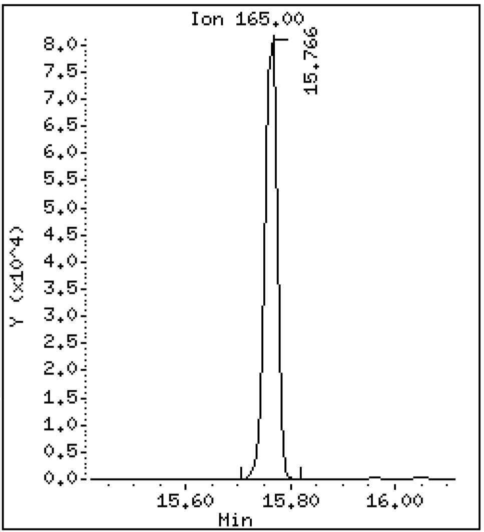
48 2,4-Dinitrotoluene Concentration: 4.956 ug/mL

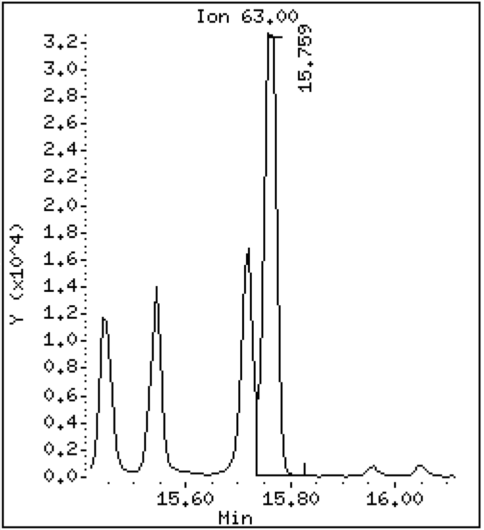

Scan 1425 (15.766 min) of NT1422123011.D


Scan 1425 (15.766 min) of NT1422123011.D (Subtracted)


48 2,4-Dinitrotoluene (Reference Spectrum)


Scan 1425 (15.766 min) of NT1422123011.D (% DIFFERENCE)


Ion 165.00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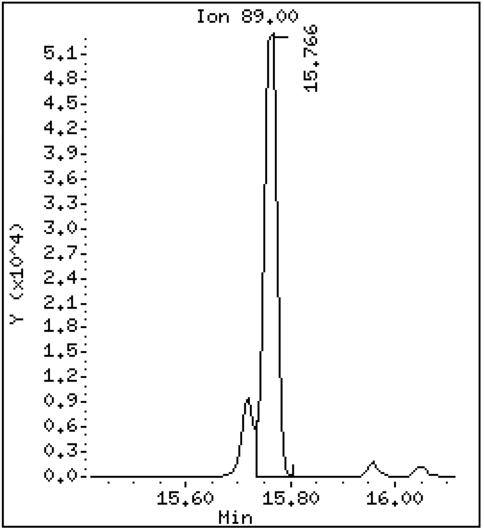

Ion 89.00

Data File: \\target\share\chem3\nt14.i\20221230.b\NT1422123011.D

Date : 30-DEC-2022 13:31

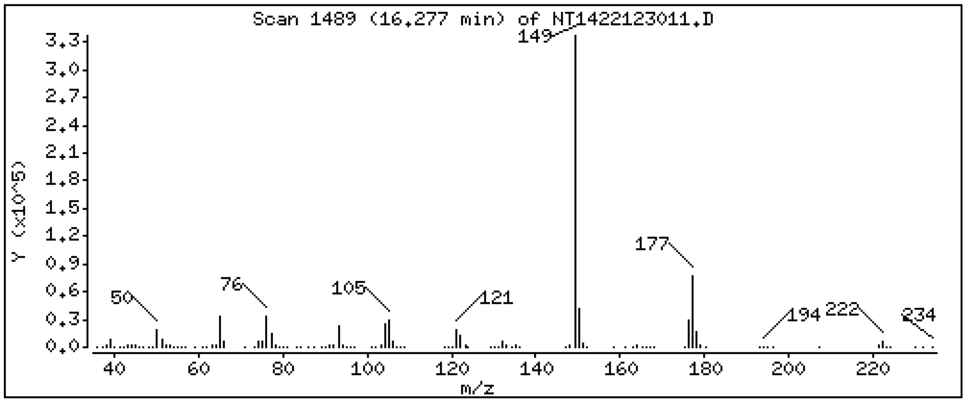
Client ID: Instrument: nt14.i

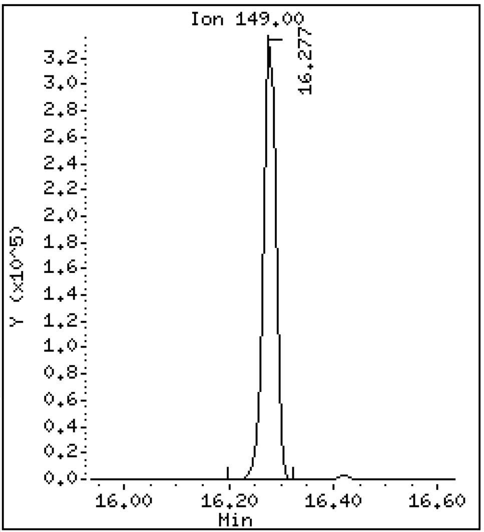
Sample Info: SKL0355-SCV1

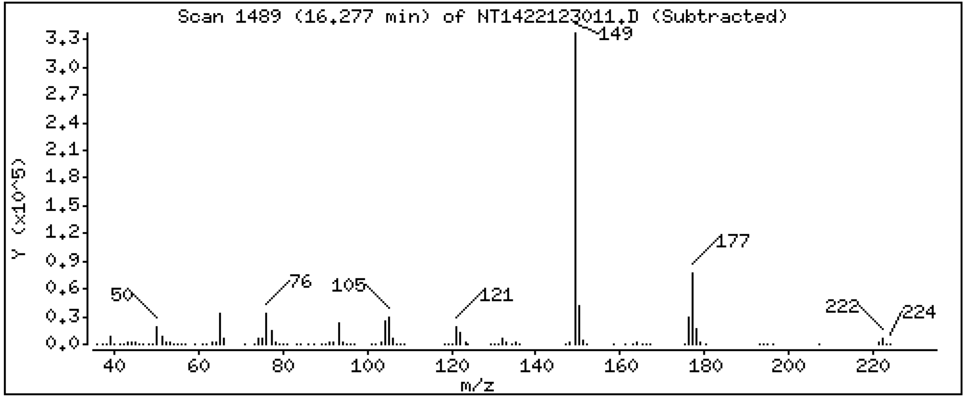
Operator: VTS

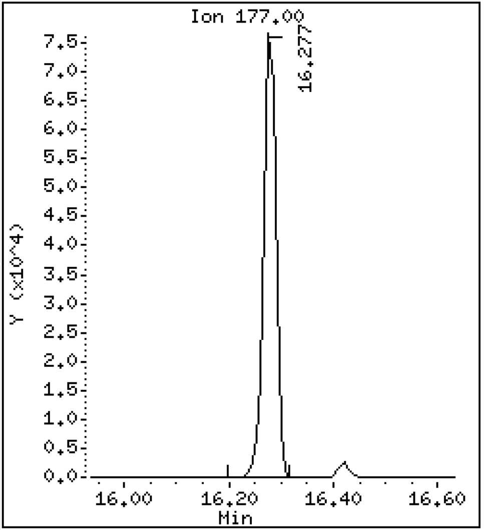
Column phase: ZB-5msi Column diameter: 0.25

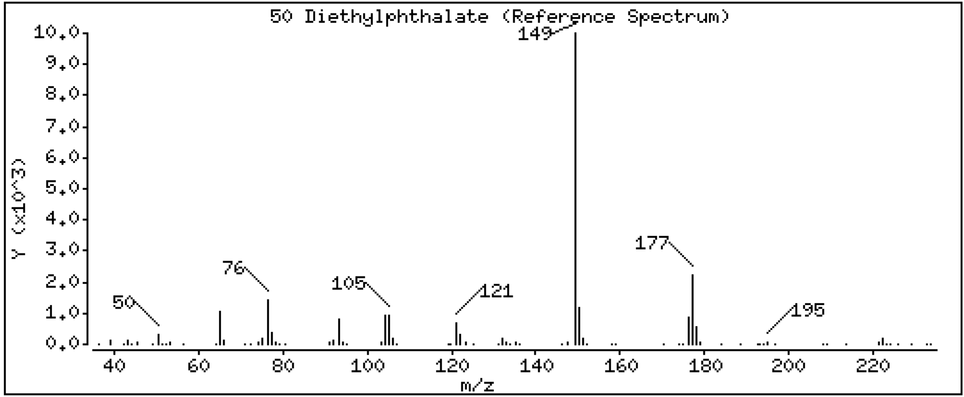
50 Diethylphthalate Concentration: 5.353 ug/mL

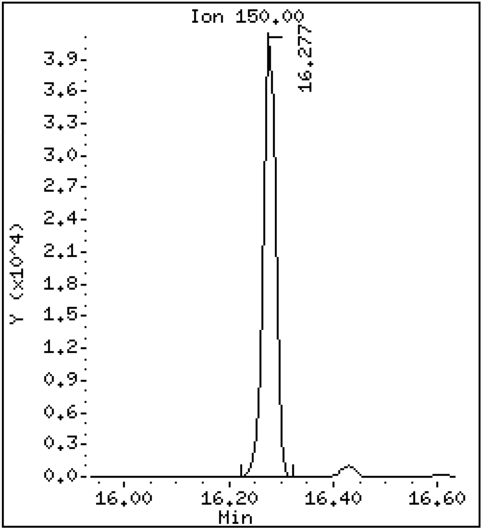

Scan 1489 (16.277 min) of NT1422123011.D

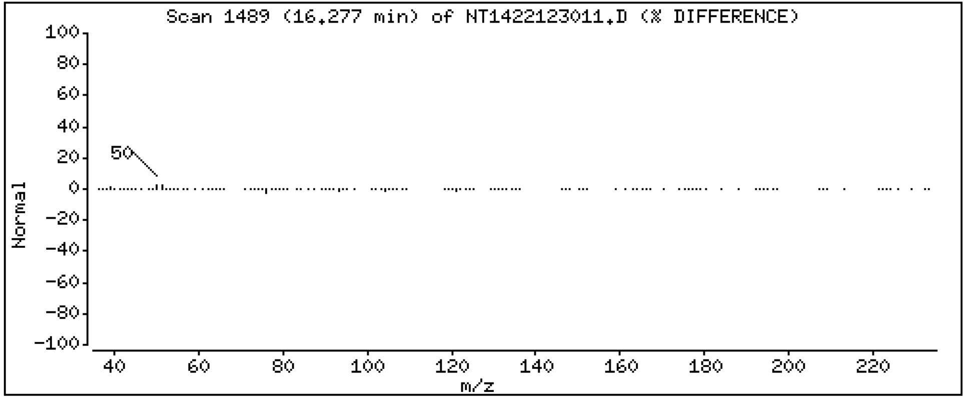

Ion 149.00


Scan 1489 (16.277 min) of NT1422123011.D (Subtracted)


Ion 177.00


50 Diethylphthalate (Reference Spectrum)


Ion 150.00


Scan 1489 (16.277 min) of NT1422123011.D (% DIFFERENCE)

Data File: \\target\share\chem3\nt14.i\20221230.b\NT1422123011.D

Date : 30-DEC-2022 13:31

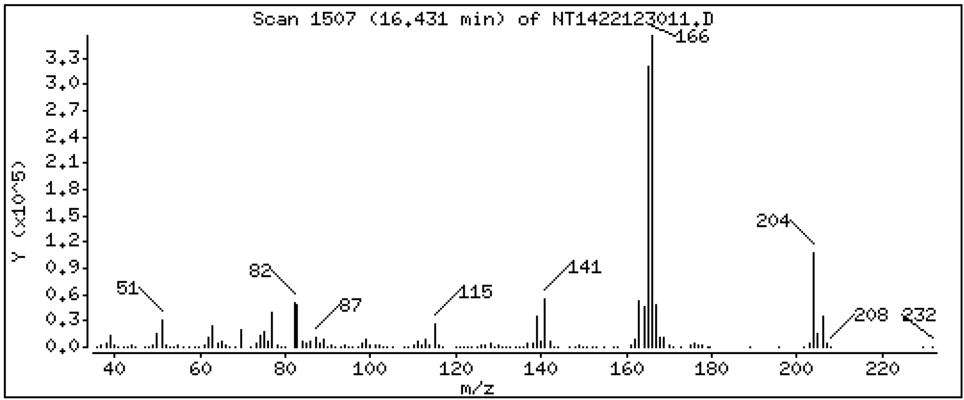
Client ID: Instrument: nt14.i

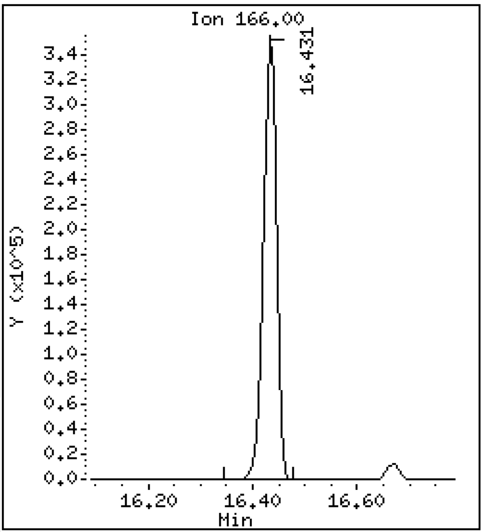
Sample Info: SKL0355-SCV1

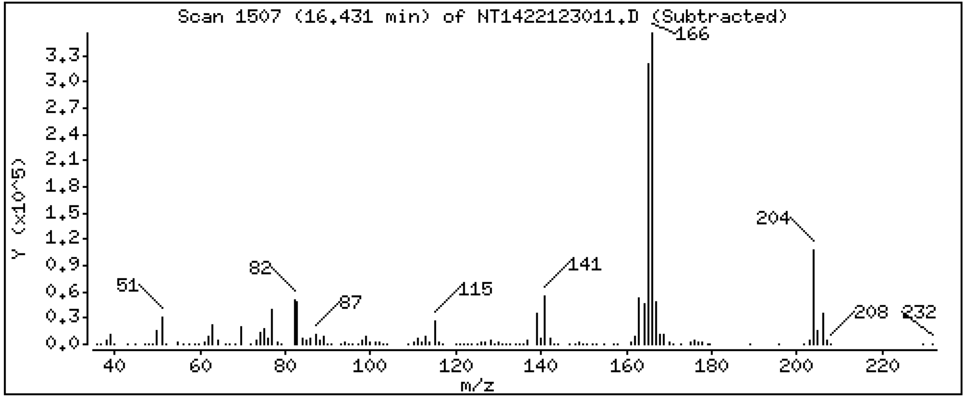
Operator: VTS

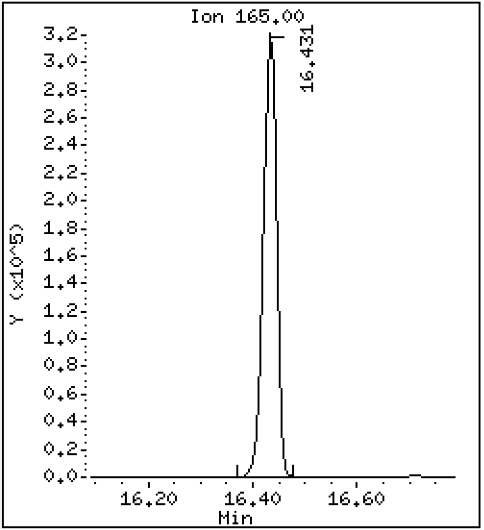
Column phase: ZB-5msi Column diameter: 0.25

49 Fluorene Concentration: 5.230 ug/mL


Scan 1507 (16.431 min) of NT1422123011.D


Ion 166.00


Scan 1507 (16.431 min) of NT1422123011.D (Subtracted)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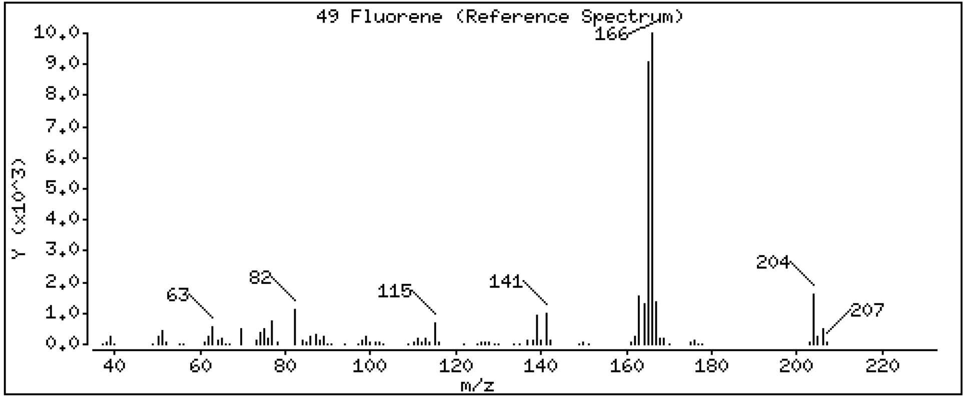
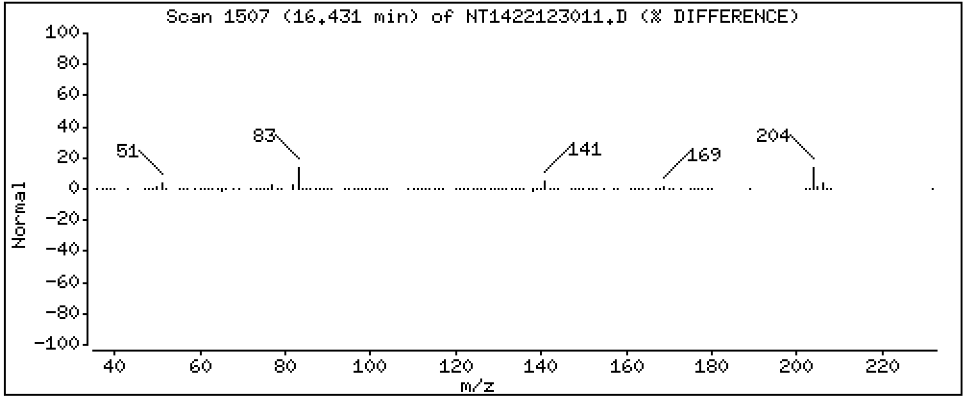
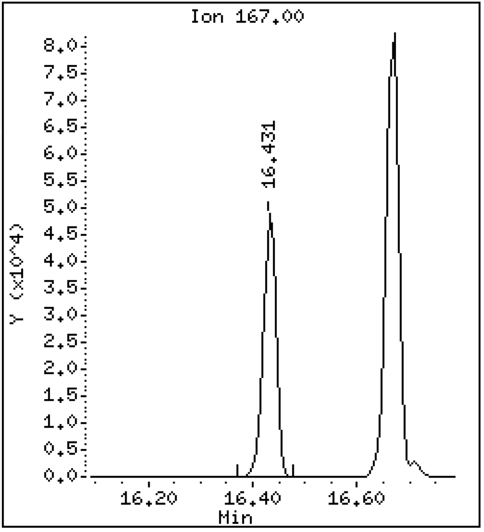

49 Fluorene (Reference Spectrum)


Scan 1507 (16.431 min) of NT1422123011.D (% DIFFERENCE)


Ion 167.00

Date : 30-DEC-2022 13:31

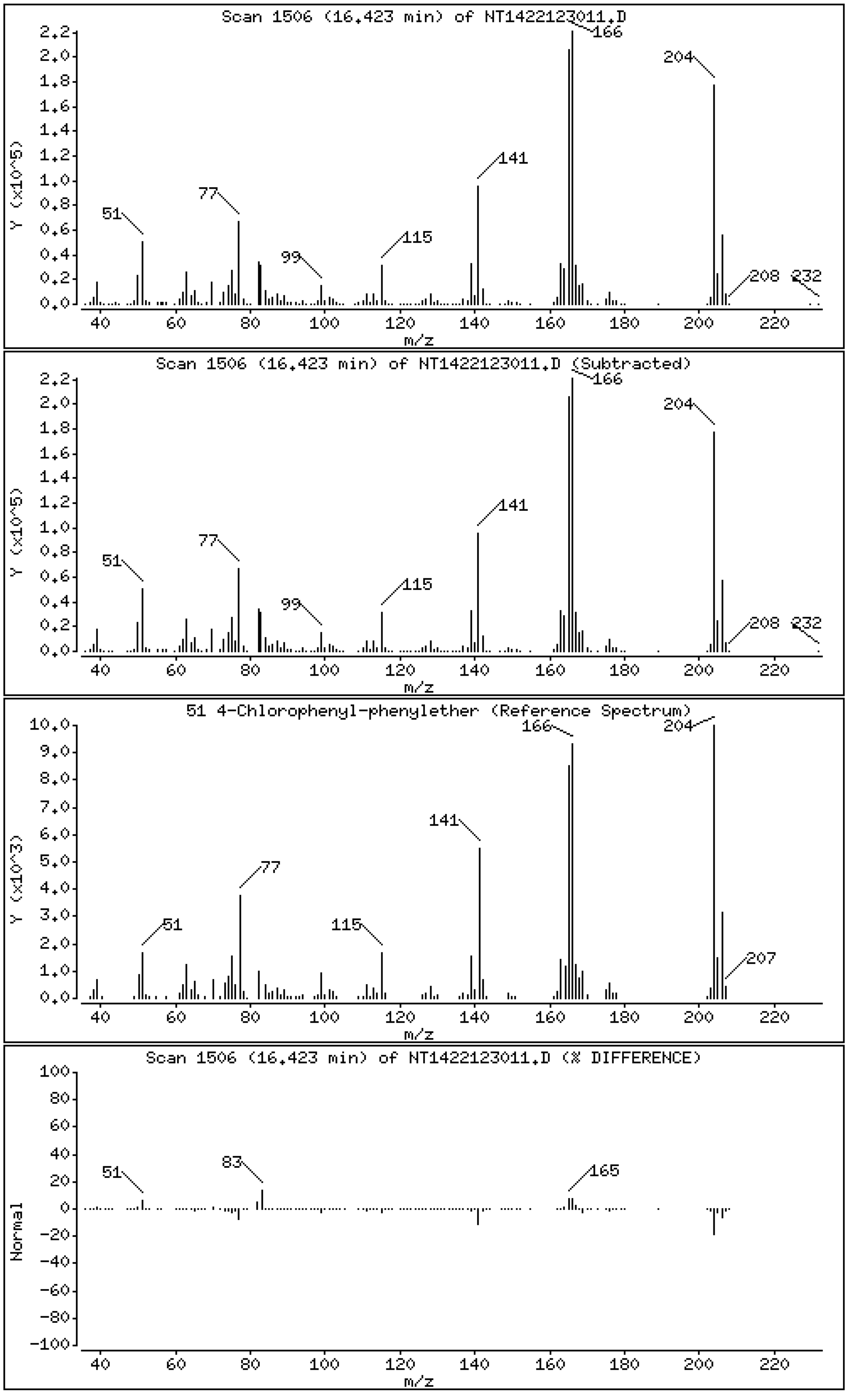
Client ID: Instrument: nt14.i

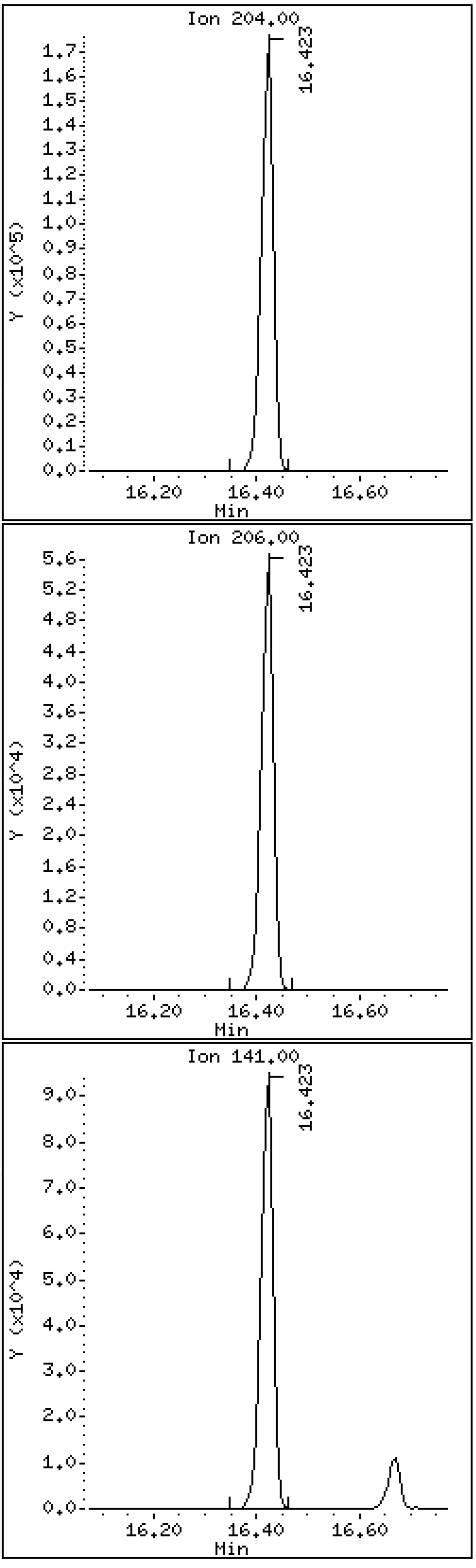
Sample Info: SKL0355-SCV1

Operator: VTS

Column phase: ZB-5msi Column diameter: 0.25

51 4-Chlorophenyl-phenylether Concentration: 5.094 ug/mL





Data File: \\target\share\chem3\nt14.i\20221230.b\NT1422123011.D

Date : 30-DEC-2022 13:31

Client ID:

Instrument: nt14.i

Sample Info: SKL0355-SCV1

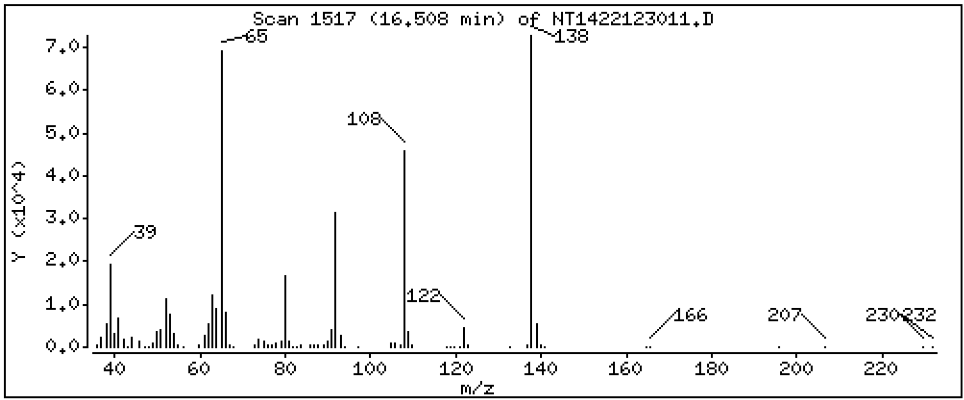
Operator: VTS

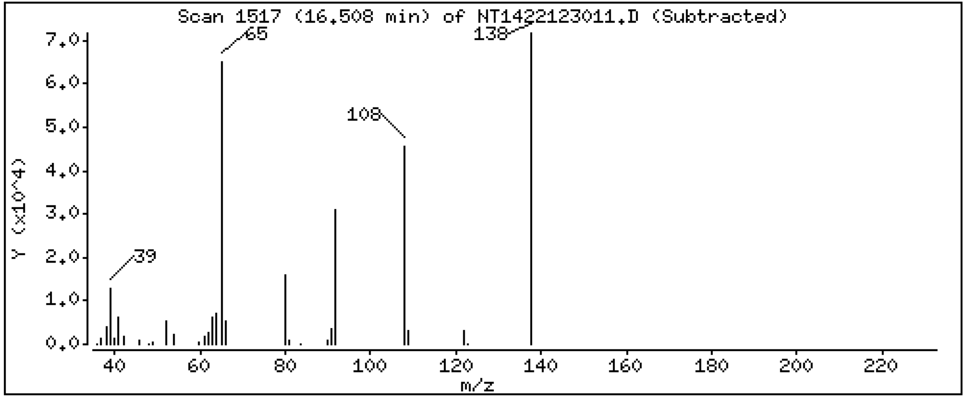
Column phase: ZB-5msi

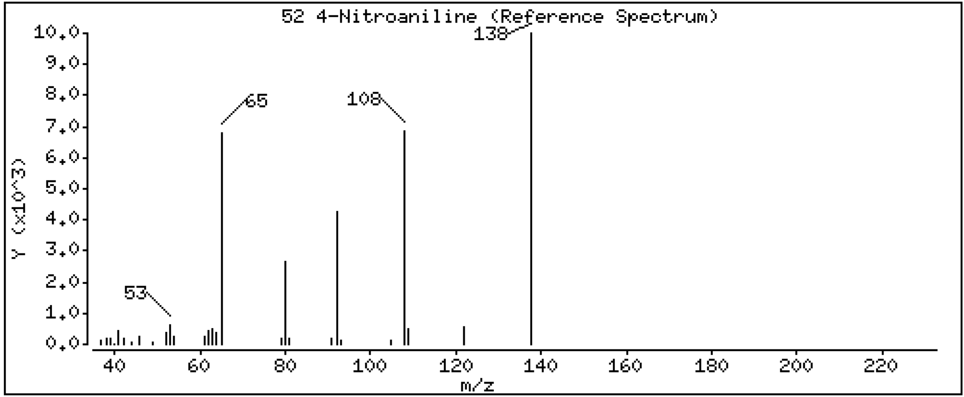
Column diameter: 0.25

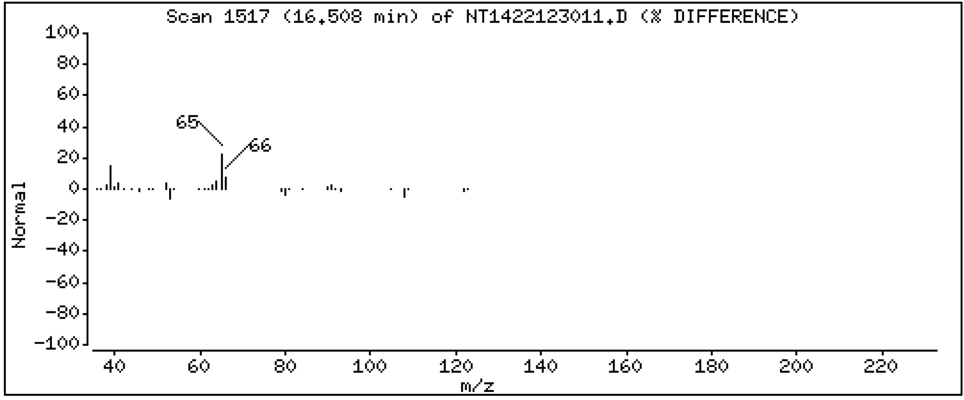
52 4-Nitroaniline

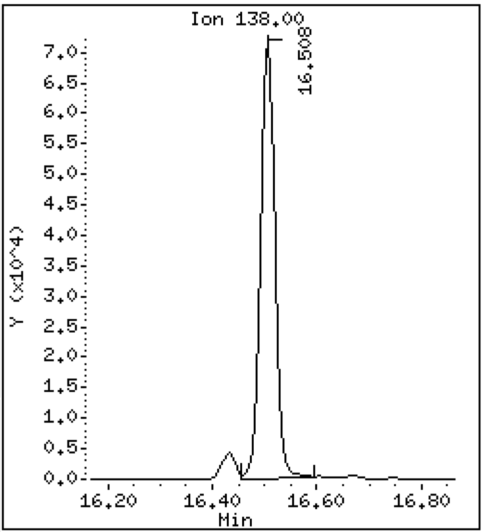
Concentration: 4.733 ug/mL

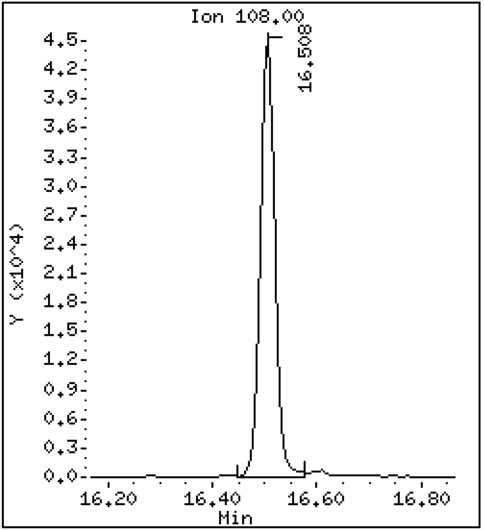


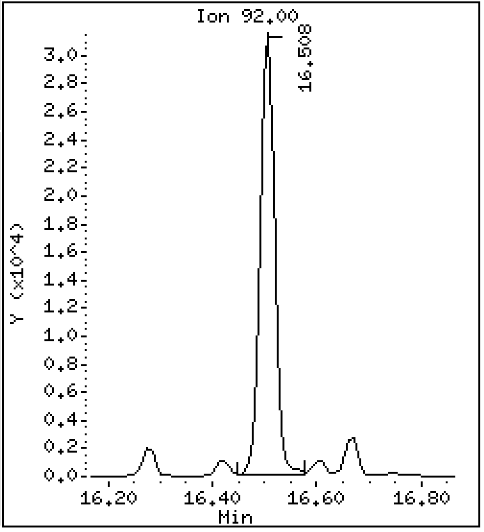












Data File: \\target\share\chem3\nt14.i\20221230.b\NT1422123011.D

Date : 30-DEC-2022 13:31

Client ID:

Instrument: nt14.i

Sample Info: SKL0355-SCV1

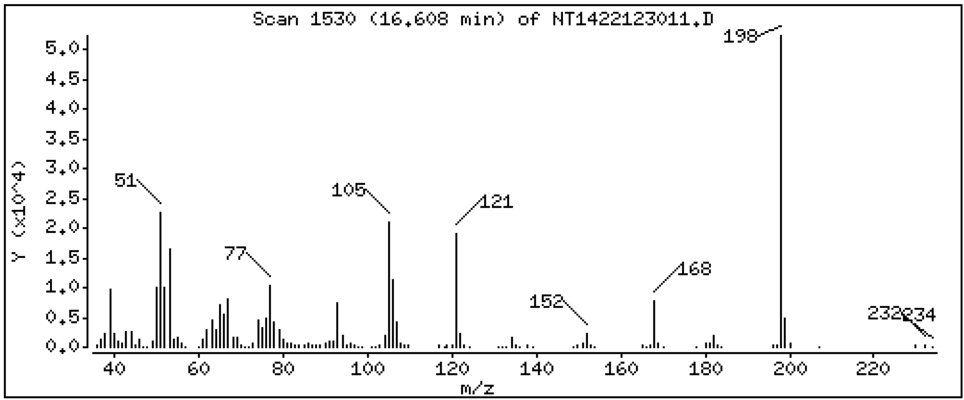
Operator: VTS

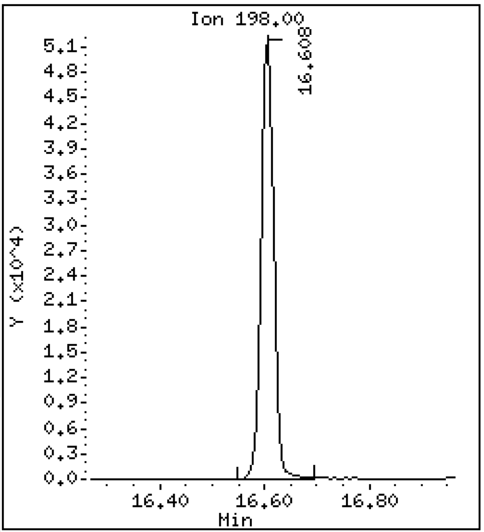
Column phase: ZB-5msi

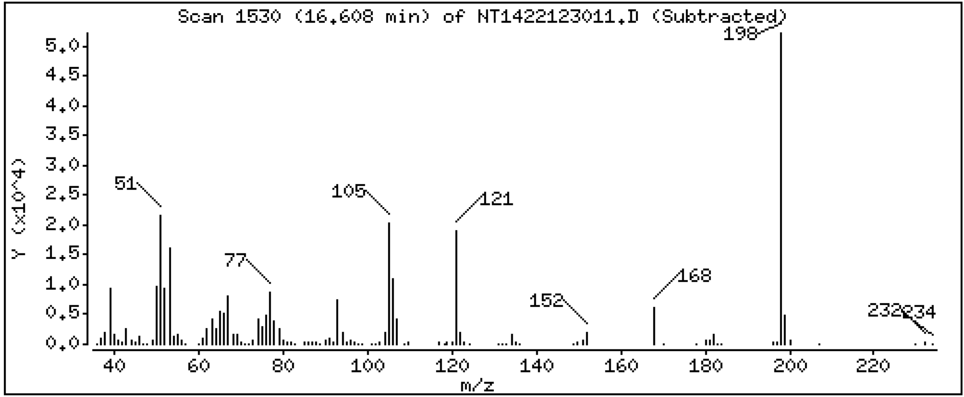
Column diameter: 0.25

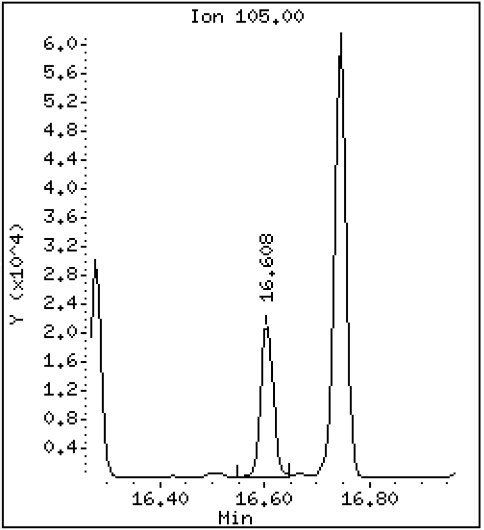
53 4,6-Dinitro-2-methylphenol

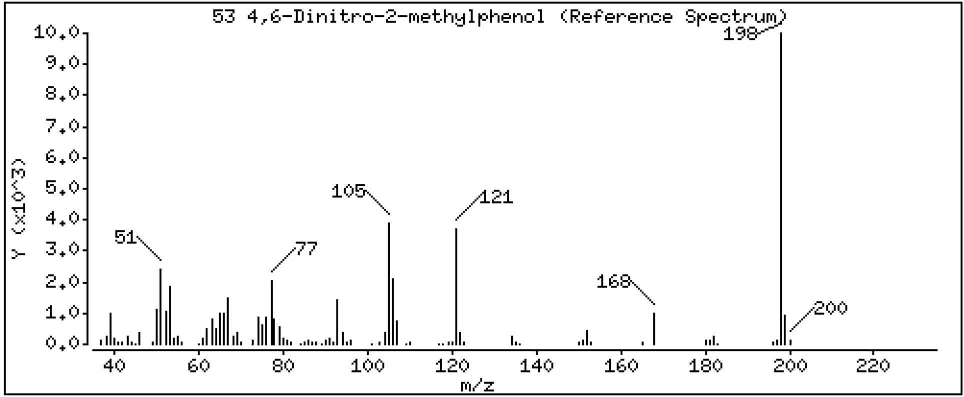
Concentration: 4.082 ug/mL

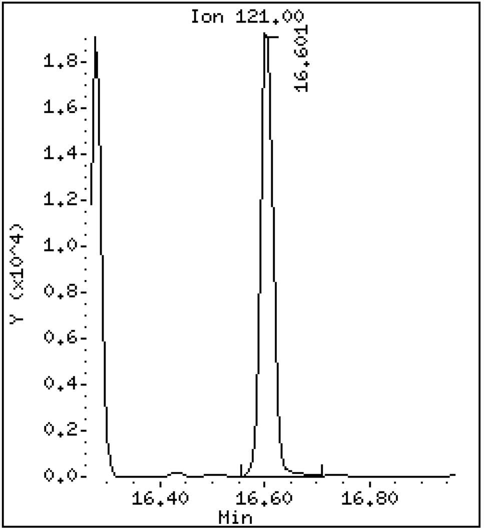

Scan 1530 (16.608 min) of NT1422123011.D

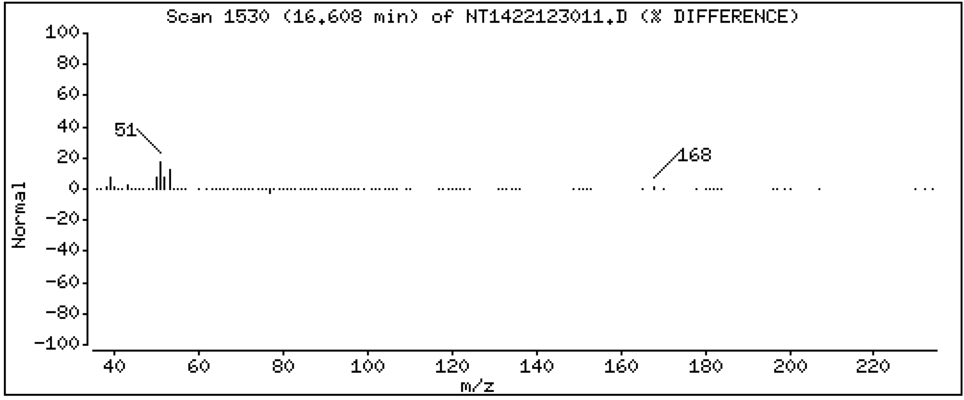

Ion 198.00


Scan 1530 (16.608 min) of NT1422123011.D (Subtracted)


Ion 105.00


53 4,6-Dinitro-2-methylphenol (Reference Spectrum)


Ion 121.00


Scan 1530 (16.608 min) of NT1422123011.D (% DIFFERENCE)

Data File: \\target\share\chem3\nt14.i\20221230.b\NT1422123011.D

Date : 30-DEC-2022 13:31

Client ID:

Instrument: nt14.i

Sample Info: SKL0355-SCV1

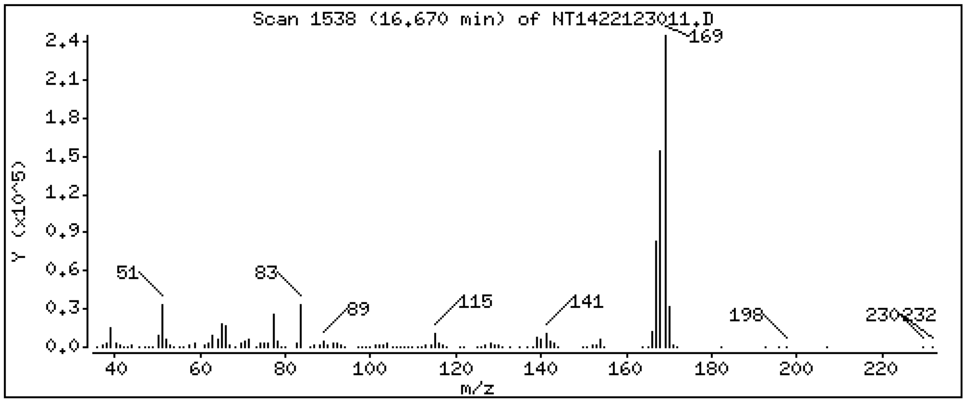
Operator: VTS

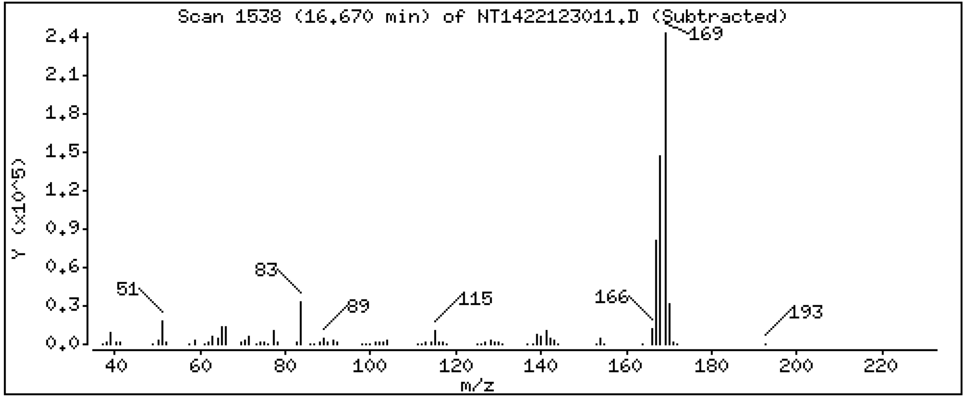
Column phase: ZB-5msi

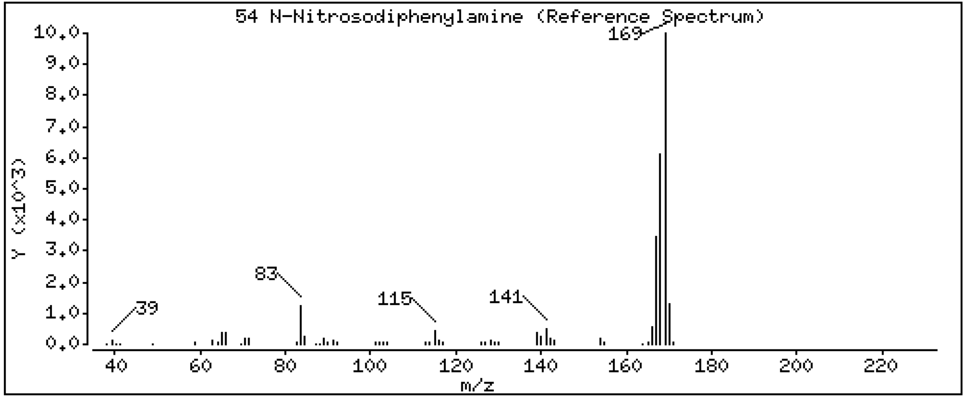
Column diameter: 0.25

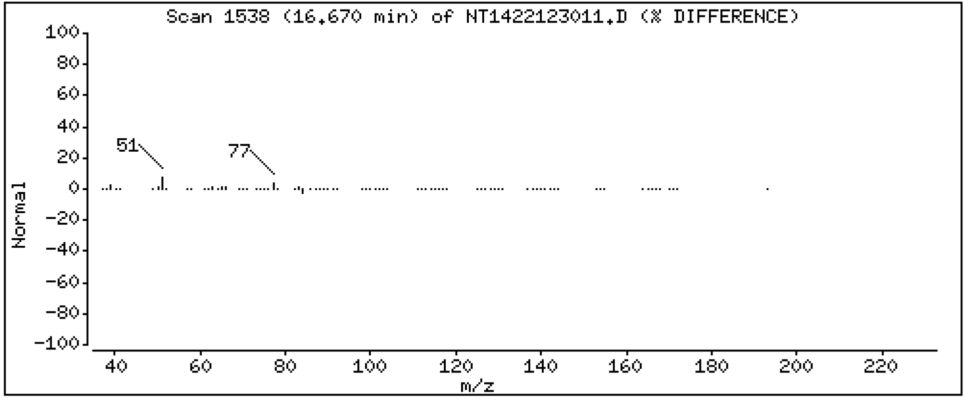
54 N-Nitrosodiphenylamine

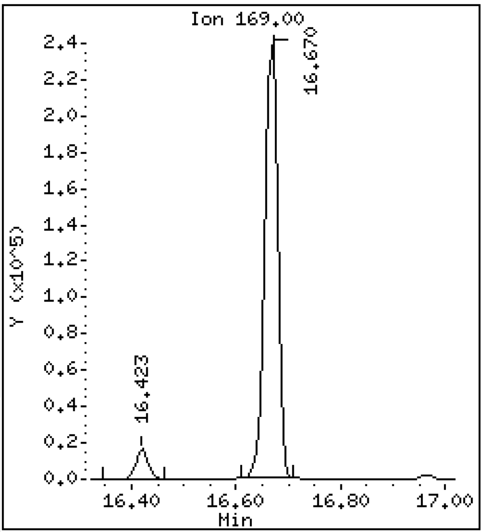
Concentration: 4.775 ug/mL

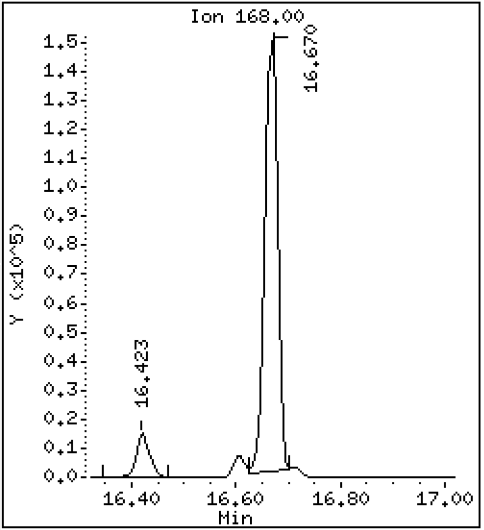

Scan 1538 (16.670 min) of NT1422123011.D

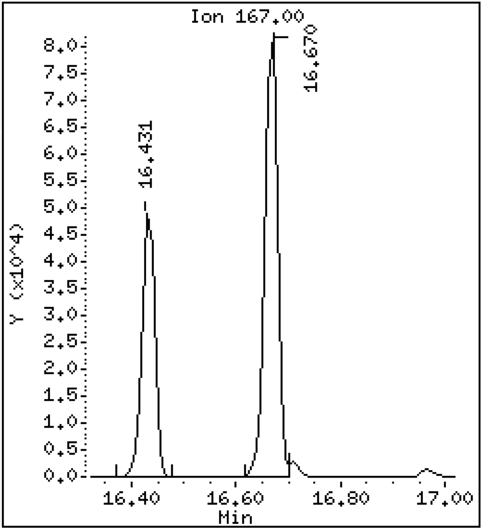

Scan 1538 (16.670 min) of NT1422123011.D (Subtracted)


54 N-Nitrosodiphenylamine (Reference Spectrum)


Scan 1538 (16.670 min) of NT1422123011.D (% DIFFERENCE)


Ion 169.00


Ion 168.00


Ion 167.00

Data File: \\target\share\chem3\nt14.i\20221230.b\NT1422123011.D

Date : 30-DEC-2022 13:31

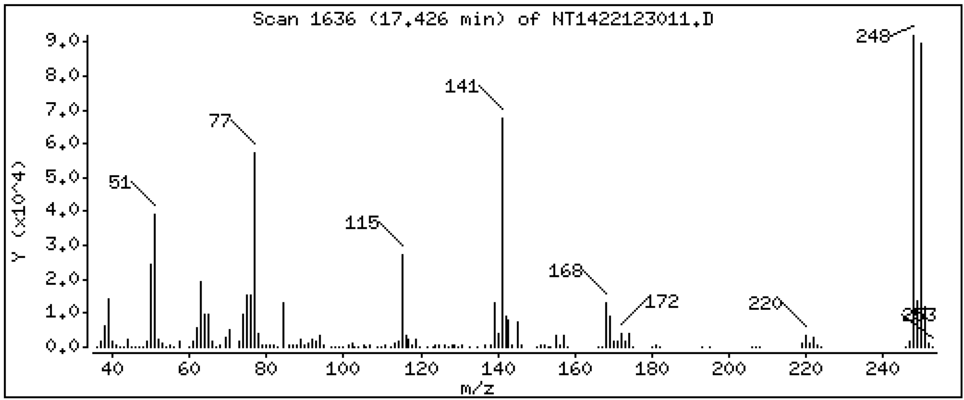
Client ID: Instrument: nt14.i

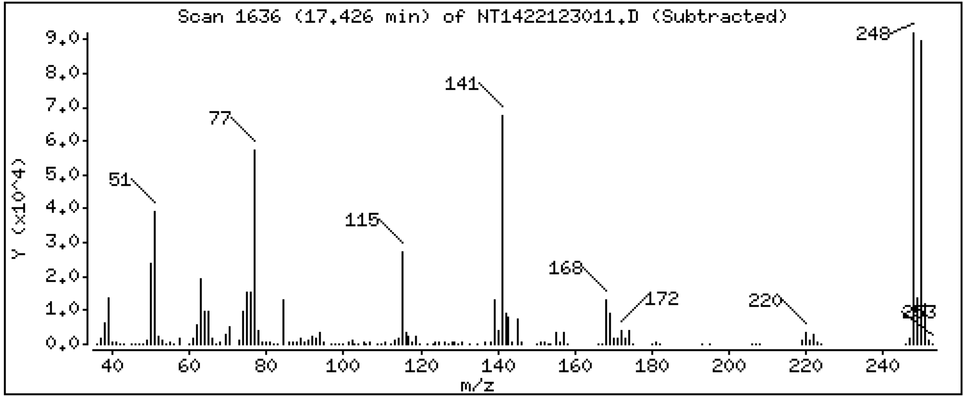
Sample Info: SKL0355-SCV1

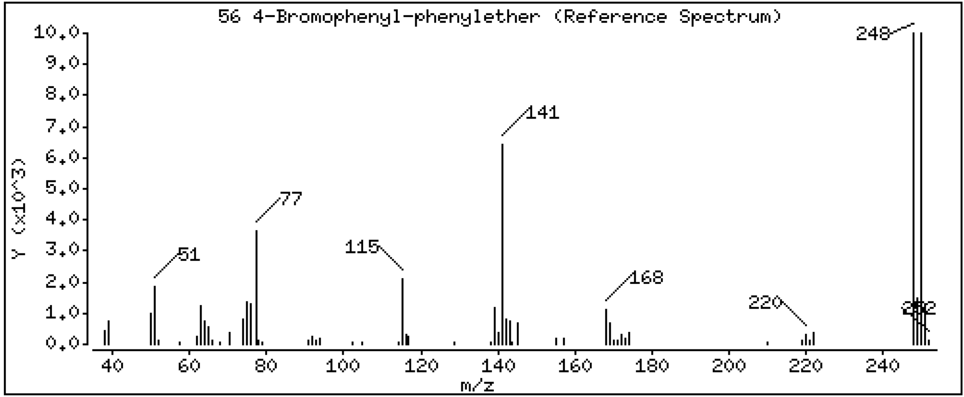
Operator: VTS

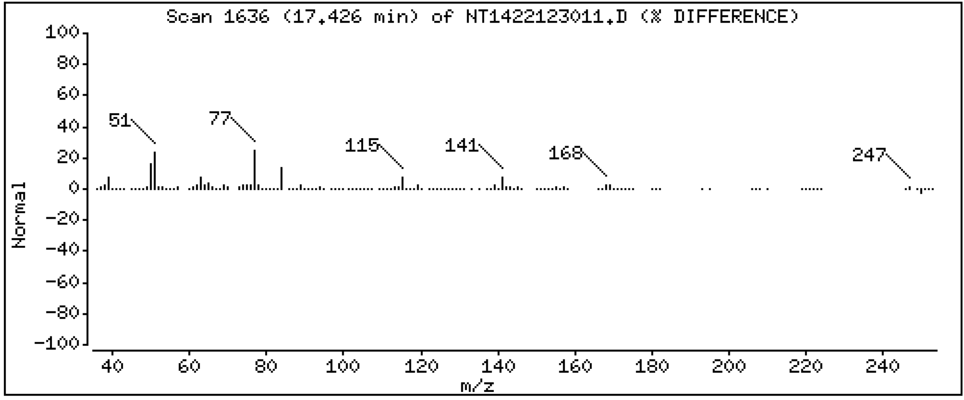
Column phase: ZB-5msi Column diameter: 0.25

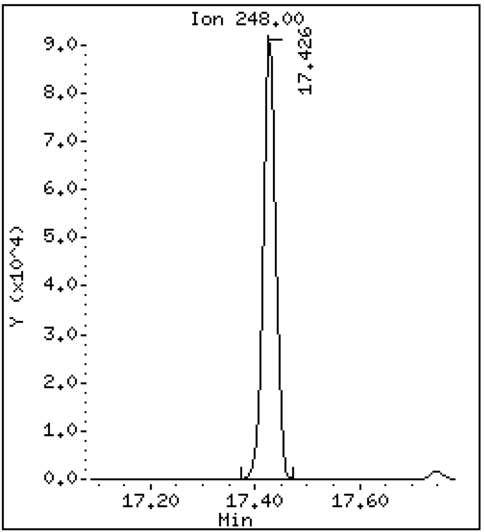
56 4-Bromophenyl-phenylether Concentration: 4.938 ug/mL

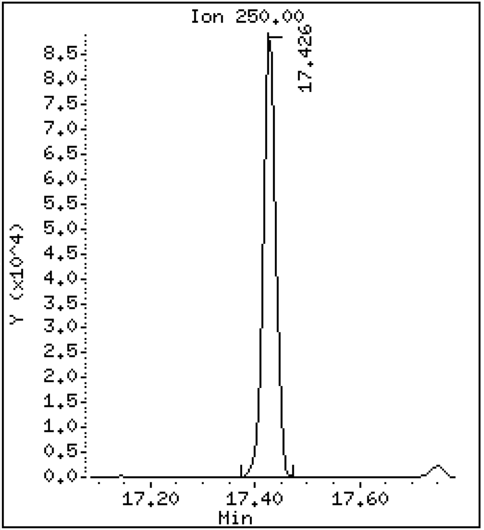

Scan 1636 (17.426 min) of NT1422123011.D

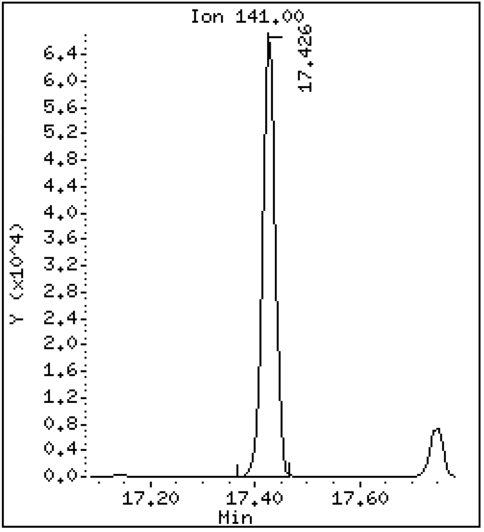

Scan 1636 (17.426 min) of NT1422123011.D (Subtracted)


56 4-Bromophenyl-phenylether (Reference Spectrum)


Scan 1636 (17.426 min) of NT1422123011.D (% DIFFERENCE)


Ion 248.00


Ion 250.00


Ion 141.00

Data File: \\target\share\chem3\nt14.i\20221230.b\NT1422123011.D

Date : 30-DEC-2022 13:31

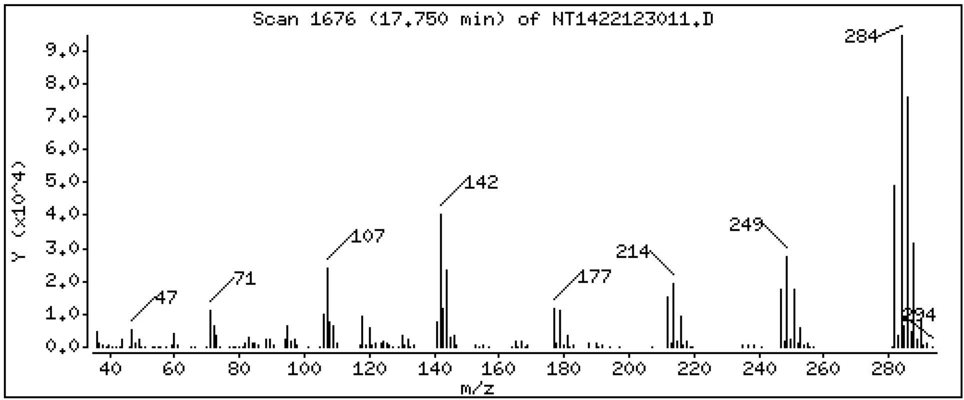
Client ID: Instrument: nt14.i

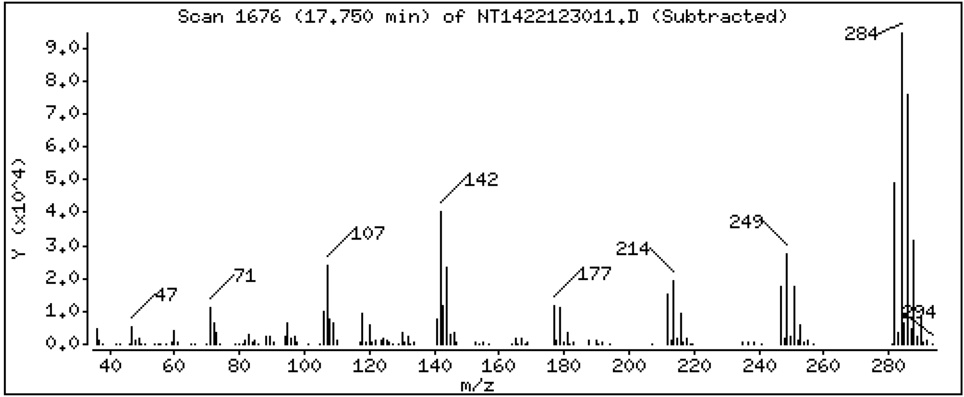
Sample Info: SKL0355-SCV1

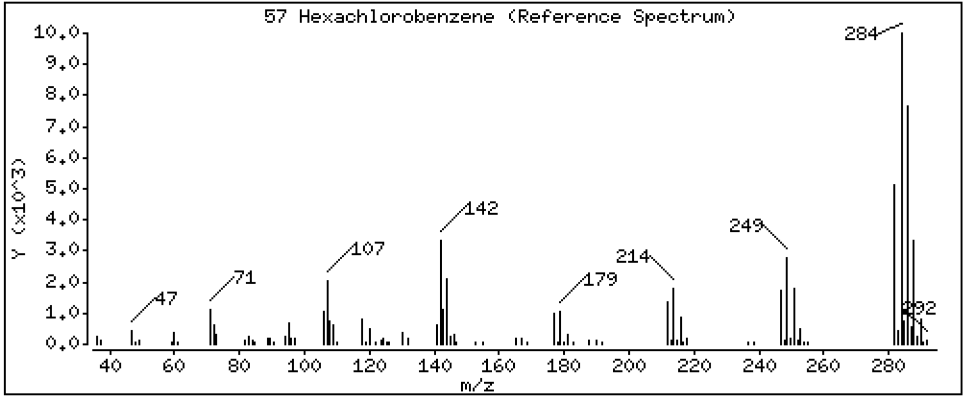
Operator: VTS

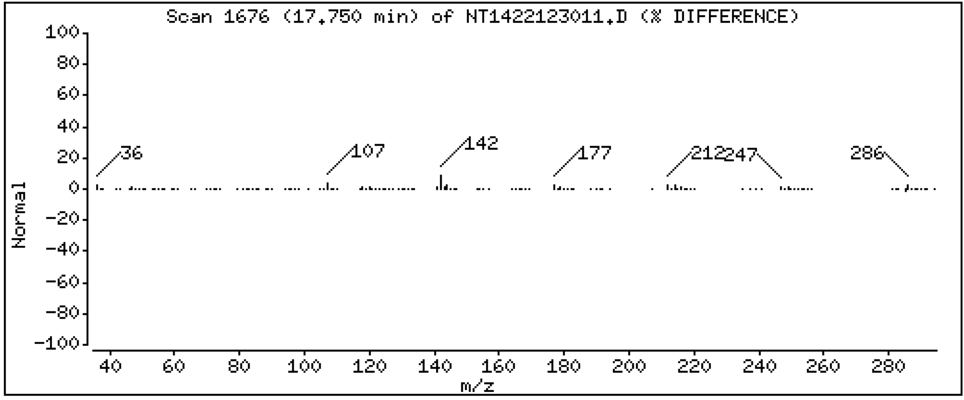
Column phase: ZB-5msi Column diameter: 0.25

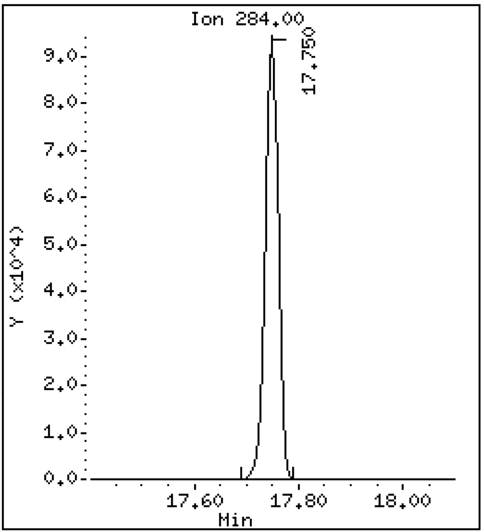
57 Hexachlorobenzene Concentration: 4.553 ug/mL

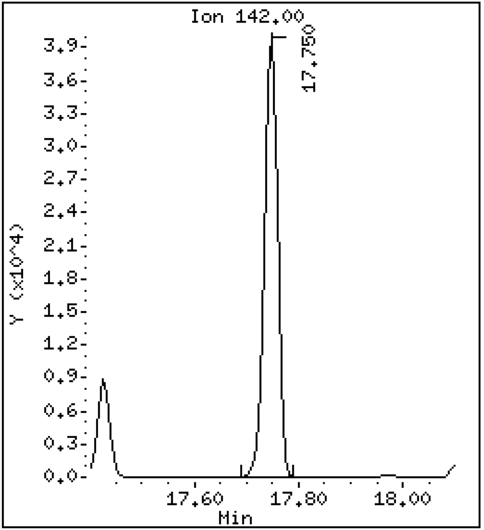

Scan 1676 (17.750 min) of NT1422123011.D

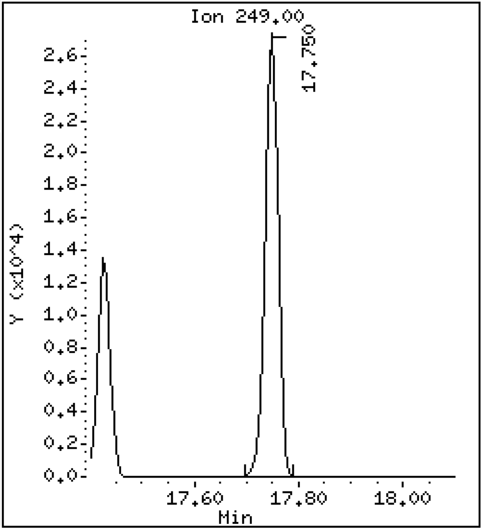

Scan 1676 (17.750 min) of NT1422123011.D (Subtracted)


57 Hexachlorobenzene (Reference Spectrum)


Scan 1676 (17.750 min) of NT1422123011.D (% DIFFERENCE)


Ion 284.00


Ion 142.00


Ion 249.00

Data File: \\target\share\chem3\nt14.i\20221230.b\NT1422123011.D

Date : 30-DEC-2022 13:31

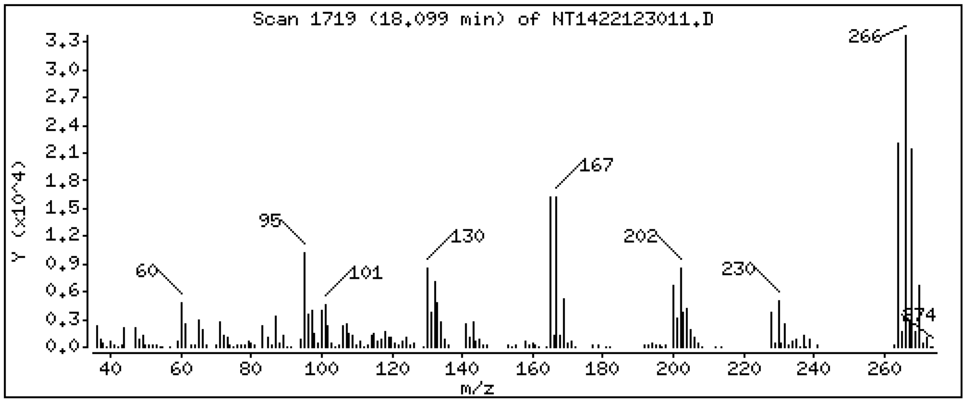
Client ID: Instrument: nt14.i

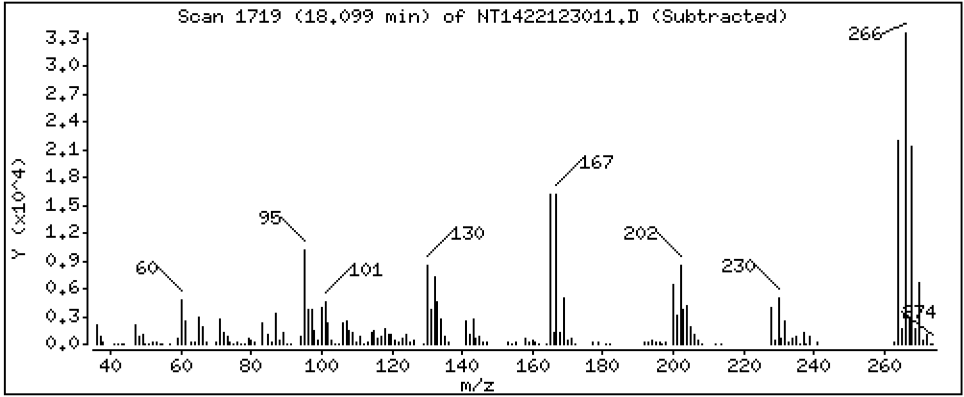
Sample Info: SKL0355-SCV1

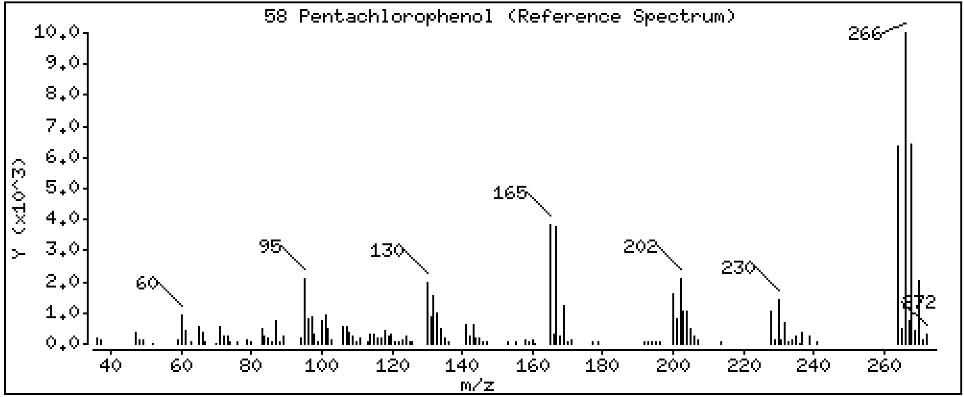
Operator: VTS

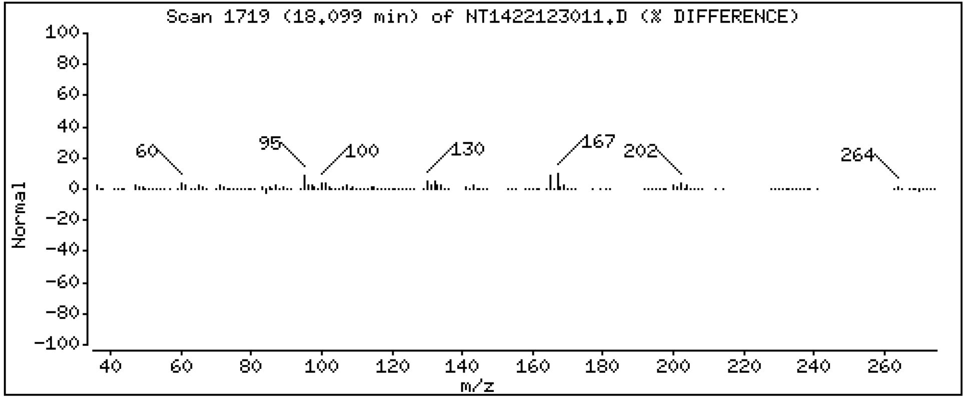
Column phase: ZB-5msi Column diameter: 0.25

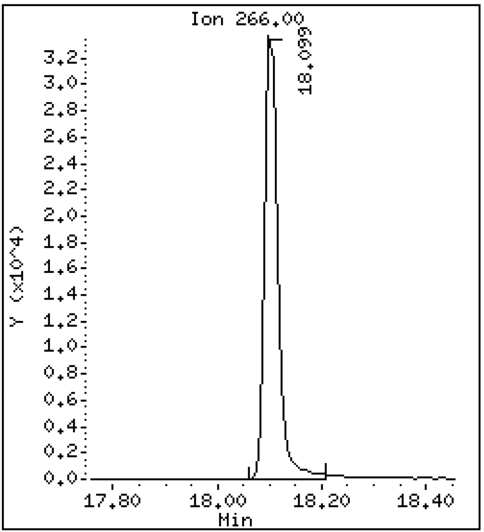
58 Pentachlorophenol Concentration: 3.796 ug/mL

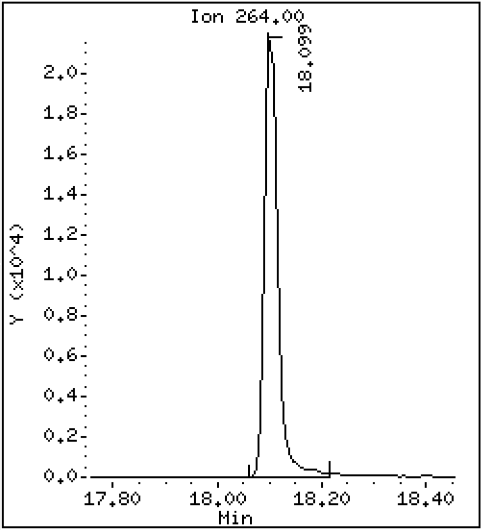


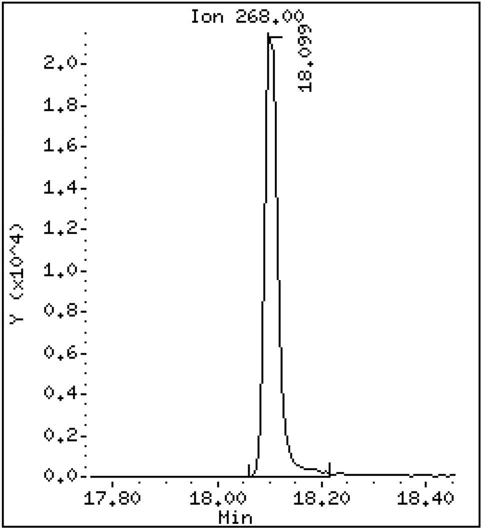












Data File: \\target\share\chem3\nt14.i\20221230.b\NT1422123011.D

Date : 30-DEC-2022 13:31

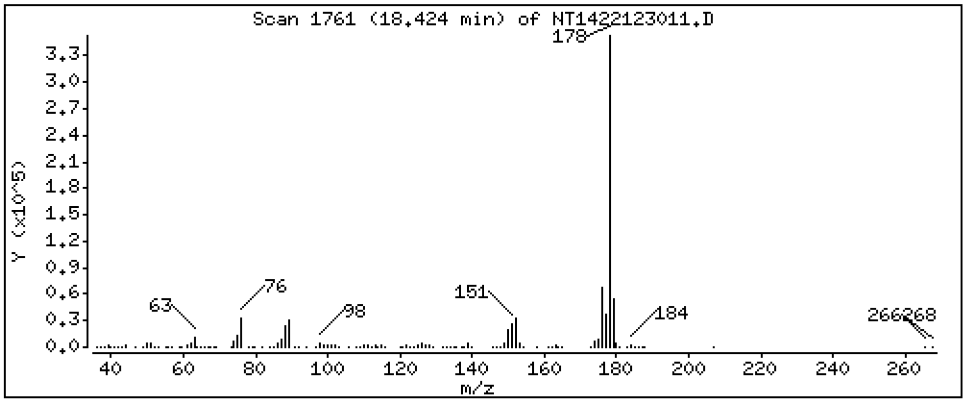
Client ID: Instrument: nt14.i

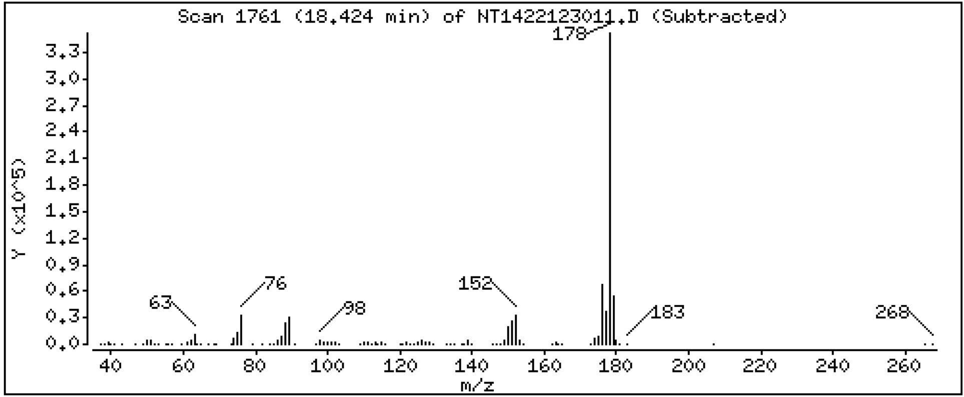
Sample Info: SKL0355-SCV1

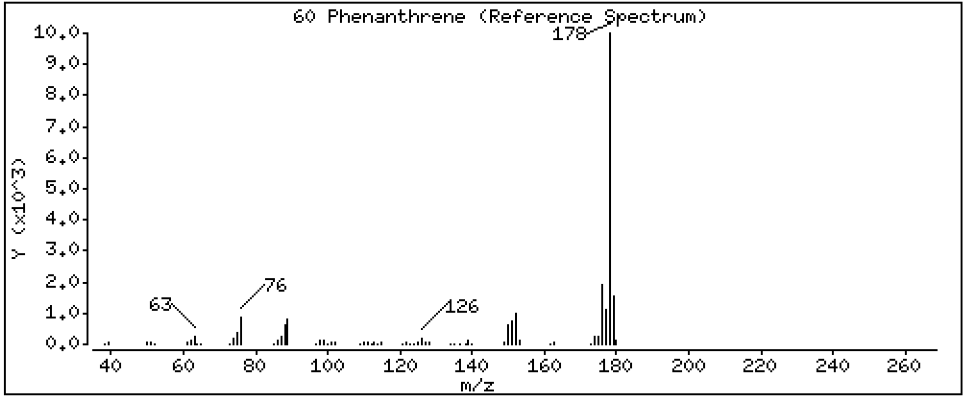
Operator: VTS

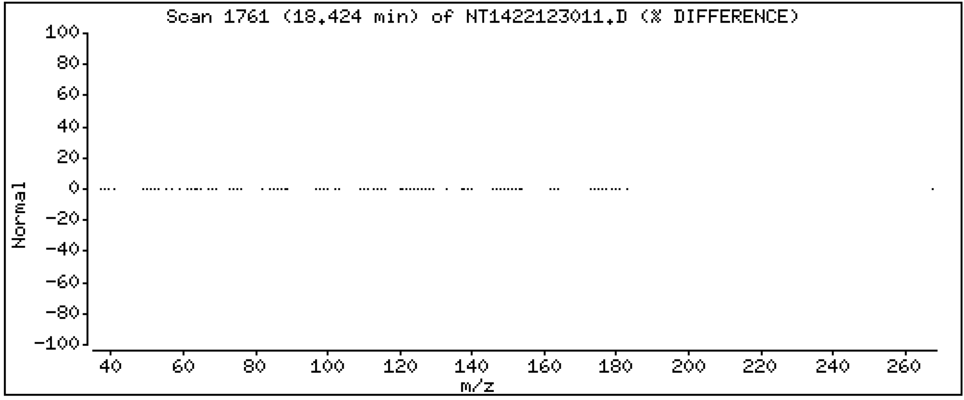
Column phase: ZB-5msi Column diameter: 0.25

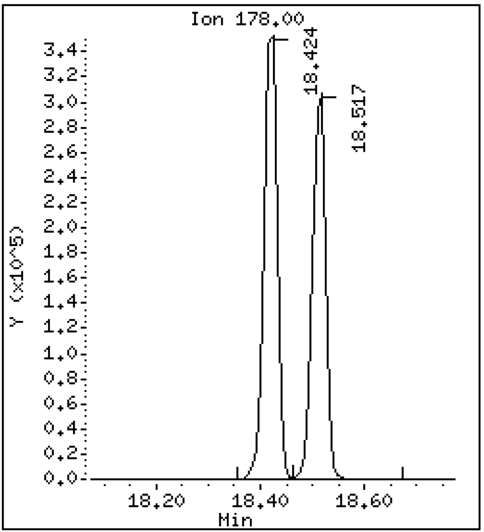
60 Phenanthrene Concentration: 4.767 ug/mL

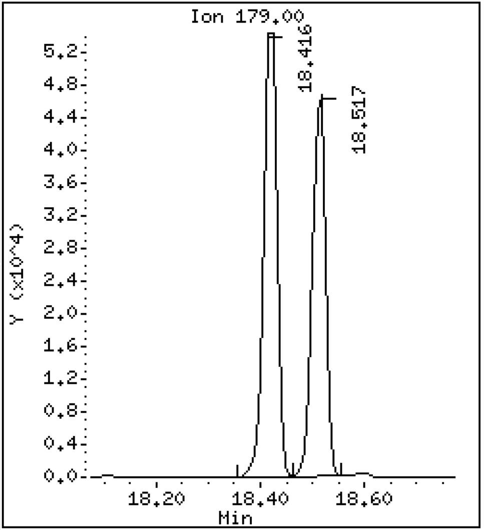

Scan 1761 (18.424 min) of NT1422123011.D

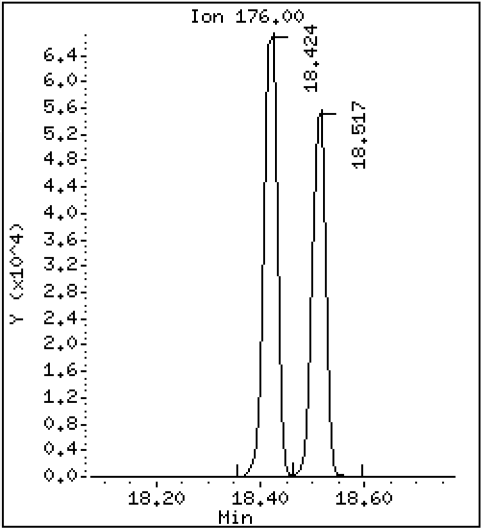

Scan 1761 (18.424 min) of NT1422123011.D (Subtracted)


60 Phenanthrene (Reference Spectrum)


Scan 1761 (18.424 min) of NT1422123011.D (% DIFFERENCE)


Ion 178.00


Ion 179.00


Ion 176.00

Data File: \\target\share\chem3\nt14.i\20221230.b\NT1422123011.D

Date : 30-DEC-2022 13:31

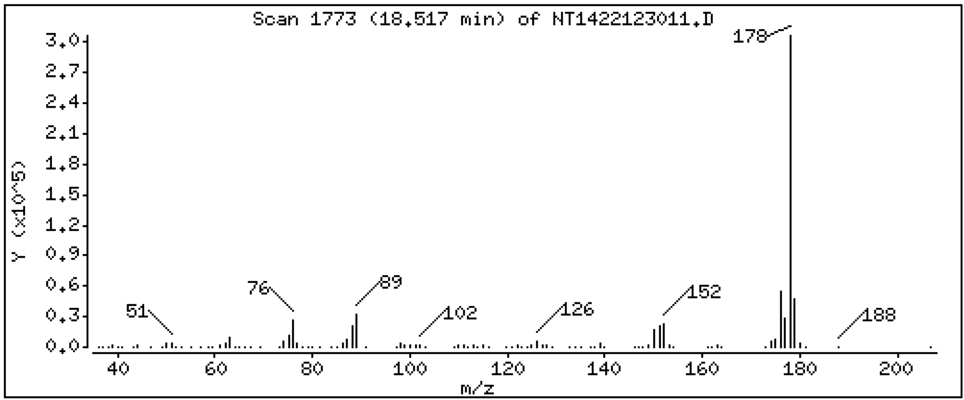
Client ID: Instrument: nt14.i

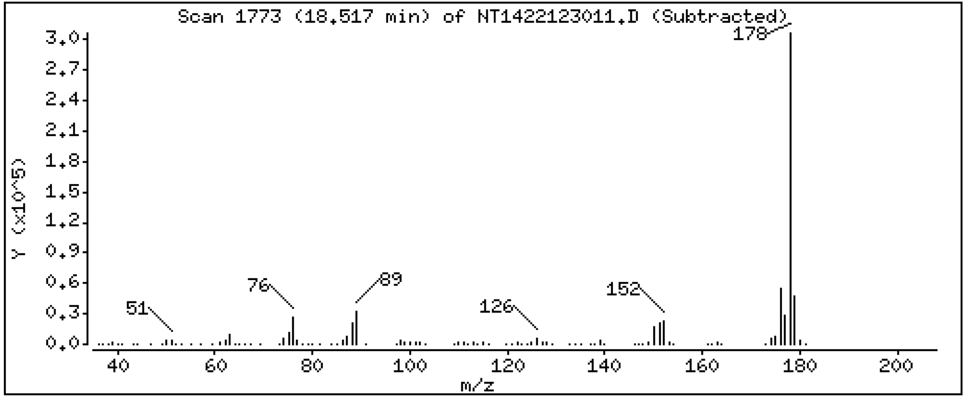
Sample Info: SKL0355-SCV1

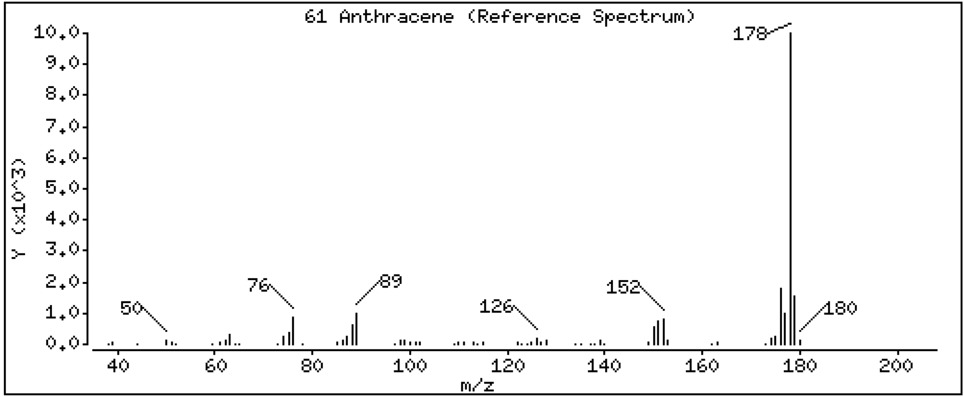
Operator: VTS

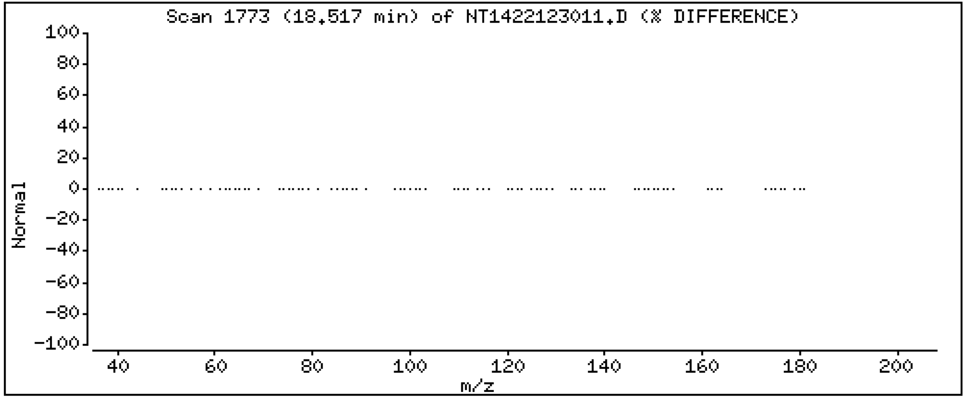
Column phase: ZB-5msi Column diameter: 0.25

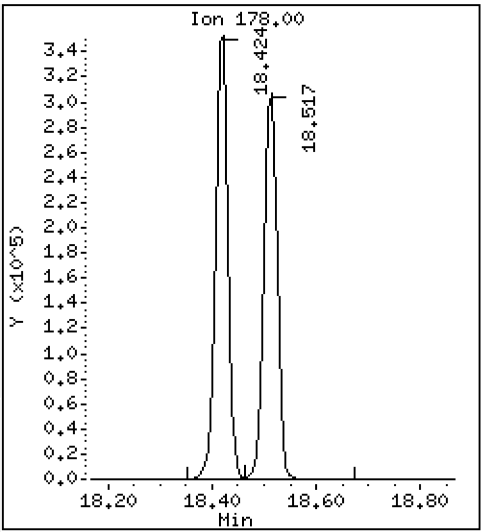
61 Anthracene Concentration: 4.373 ug/mL

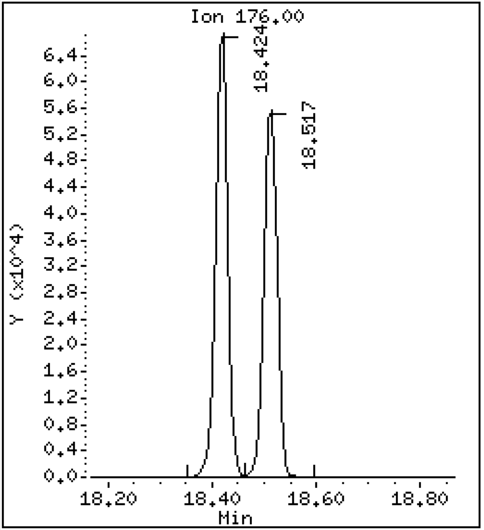

Scan 1773 (18.517 min) of NT1422123011.D


Scan 1773 (18.517 min) of NT1422123011.D (Subtracted)


61 Anthracene (Reference Spectrum)


Scan 1773 (18.517 min) of NT1422123011.D (% DIFFERENCE)


Ion 178.00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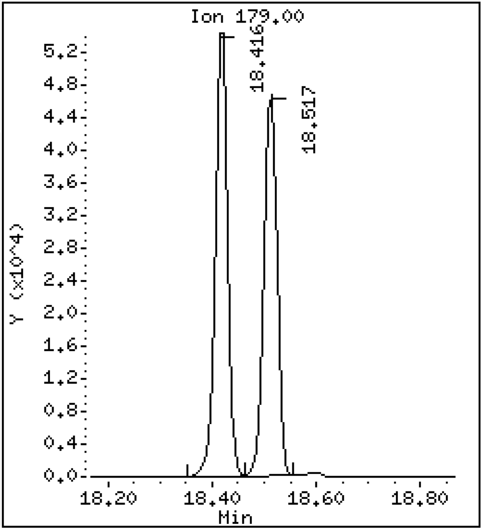

Ion 179.00

Data File: \\target\share\chem3\nt14.i\20221230.b\NT1422123011.D

Date : 30-DEC-2022 13:31

Client ID:

Instrument: nt14.i

Sample Info: SKL0355-SCV1

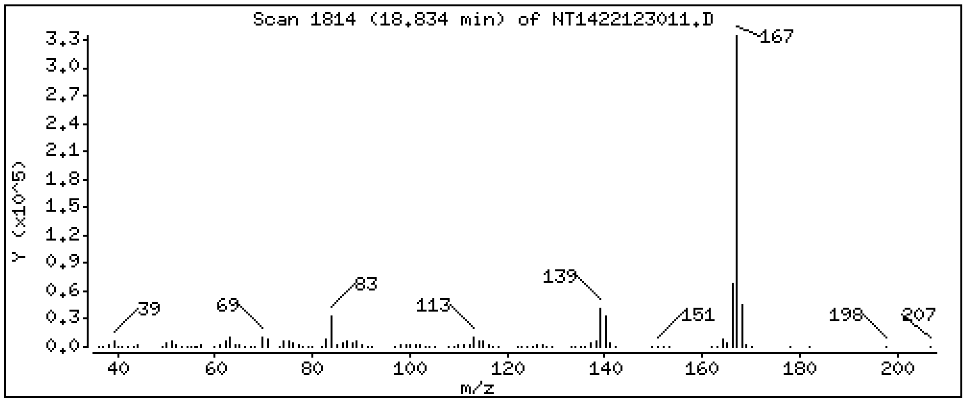
Operator: VTS

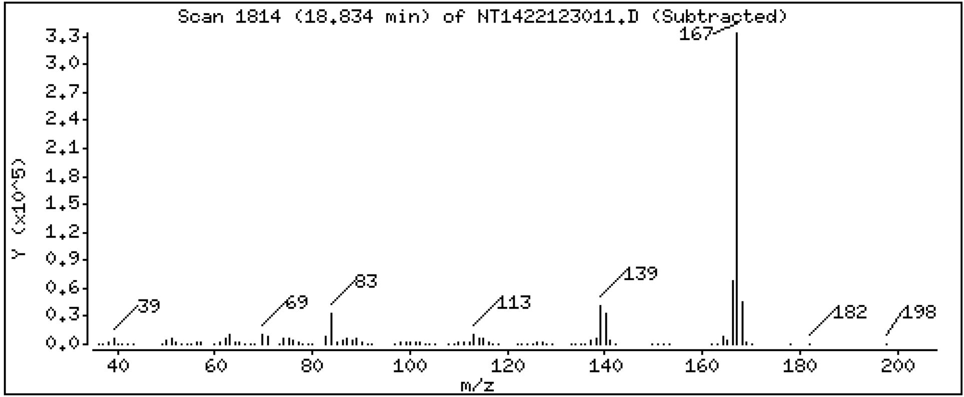
Column phase: ZB-5msi

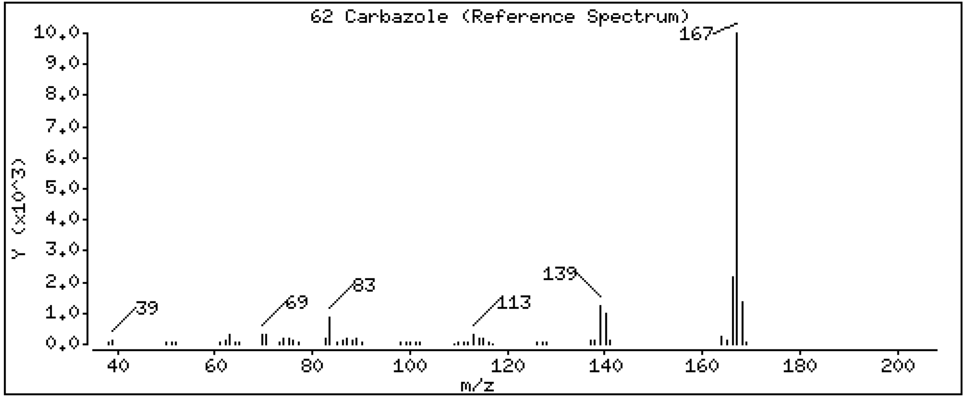
Column diameter: 0.25

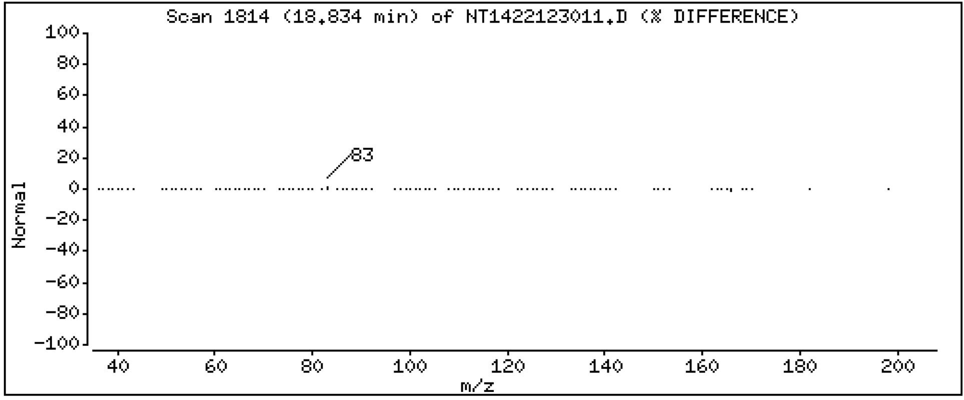
62 Carbazole

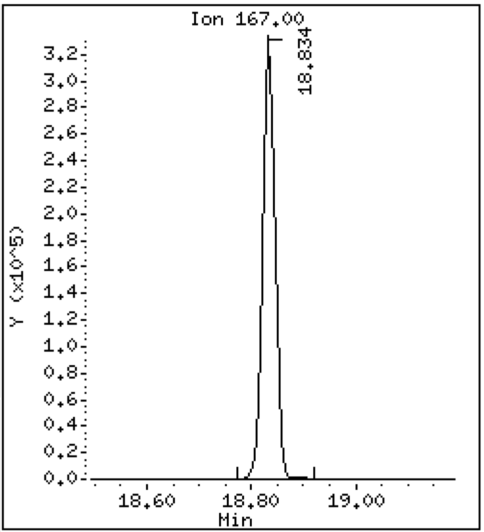
Concentration: 4.620 ug/mL

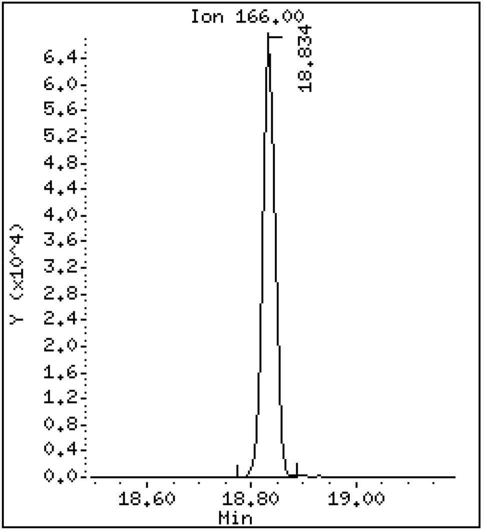


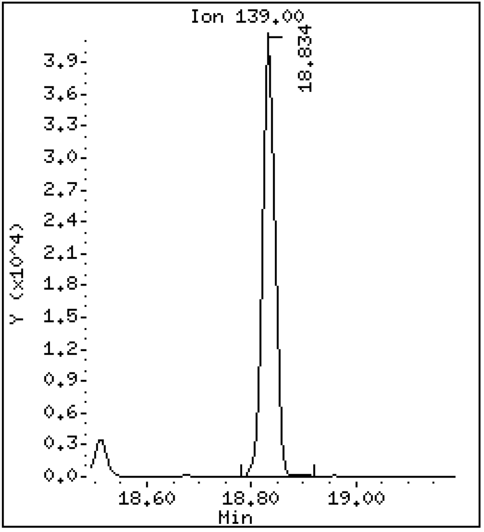












Data File: \\target\share\chem3\nt14.i\20221230.b\NT1422123011.D

Date : 30-DEC-2022 13:31

Client ID:

Instrument: nt14.i

Sample Info: SKL0355-SCV1

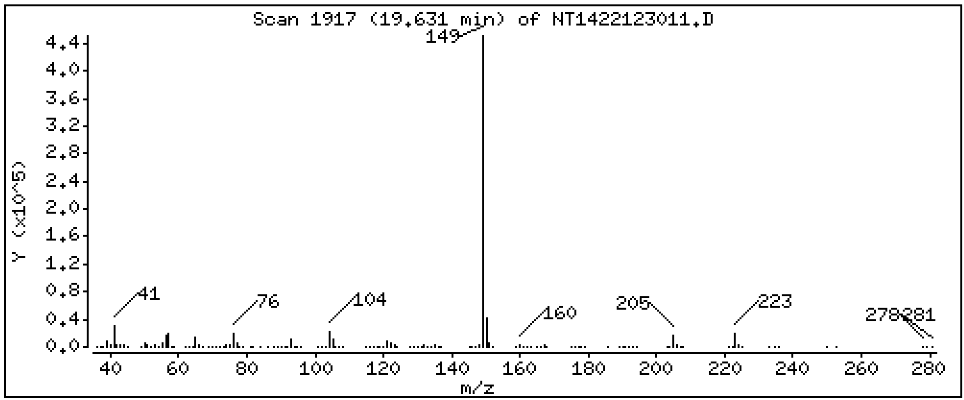
Operator: VTS

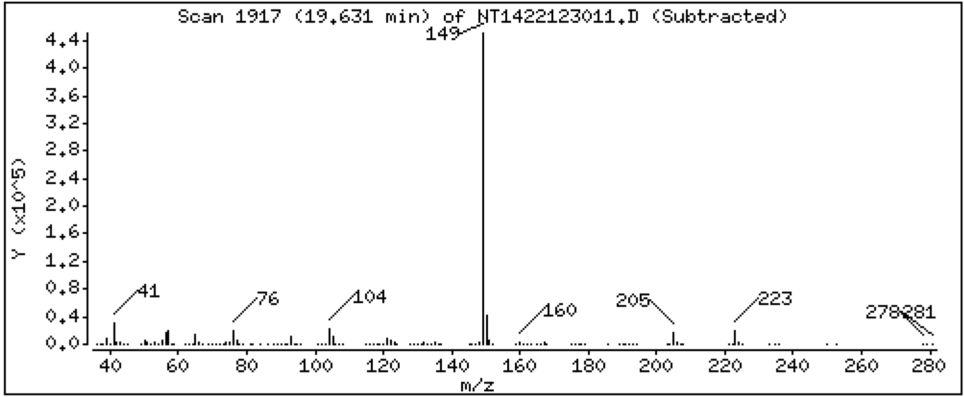
Column phase: ZB-5msi

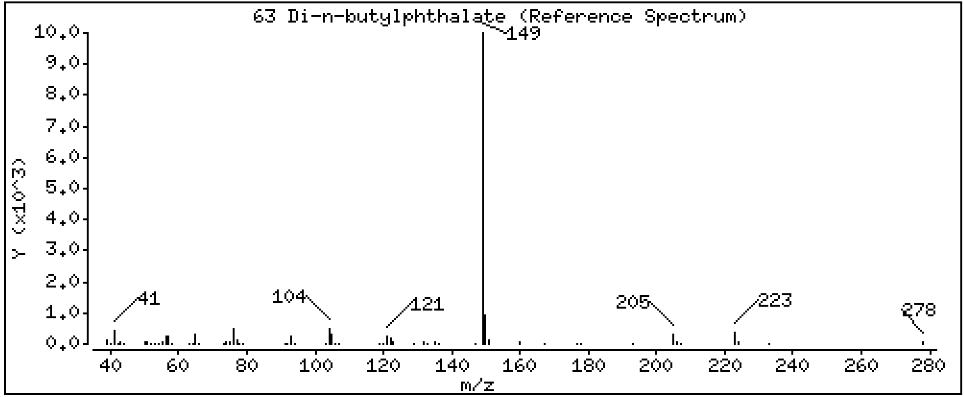
Column diameter: 0.25

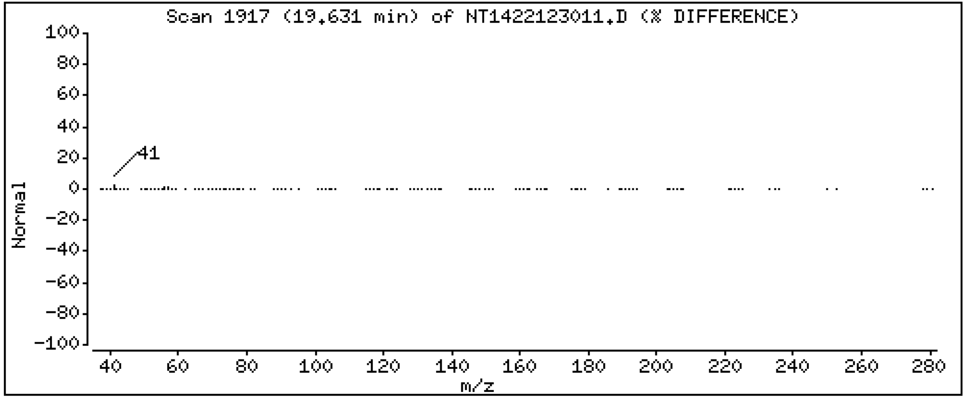
63 Di-n-butylphthalate

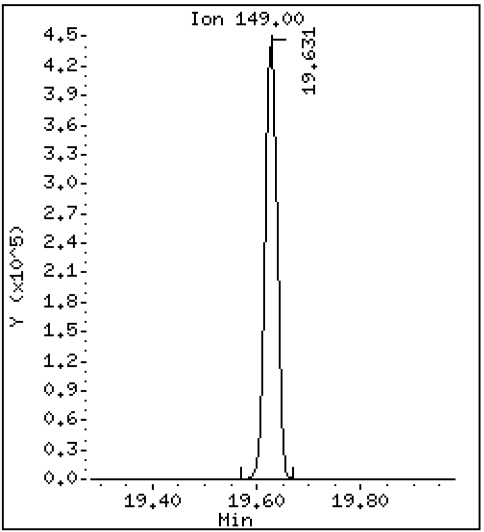
Concentration: 4.931 ug/mL

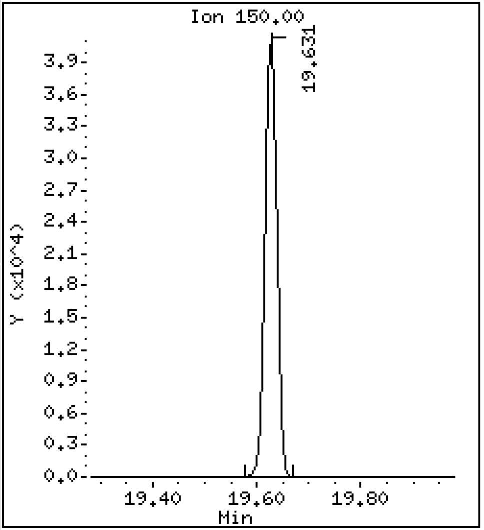


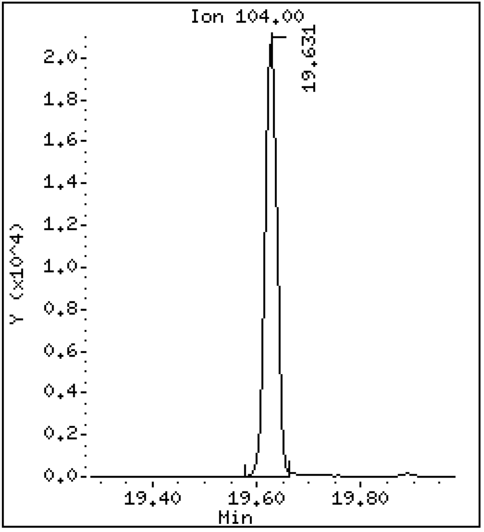












Data File: \\target\share\chem3\nt14.i\20221230.b\NT1422123011.D

Date : 30-DEC-2022 13:31

Client ID:

Instrument: nt14.i

Sample Info: SKL0355-SCV1

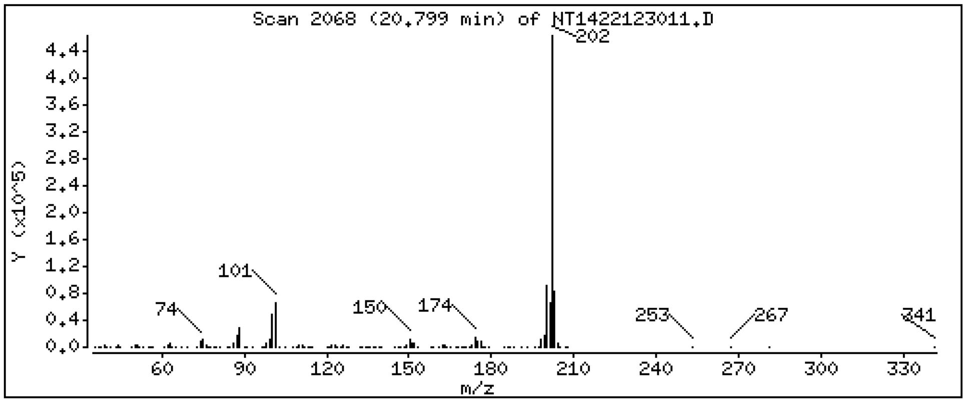
Operator: VTS

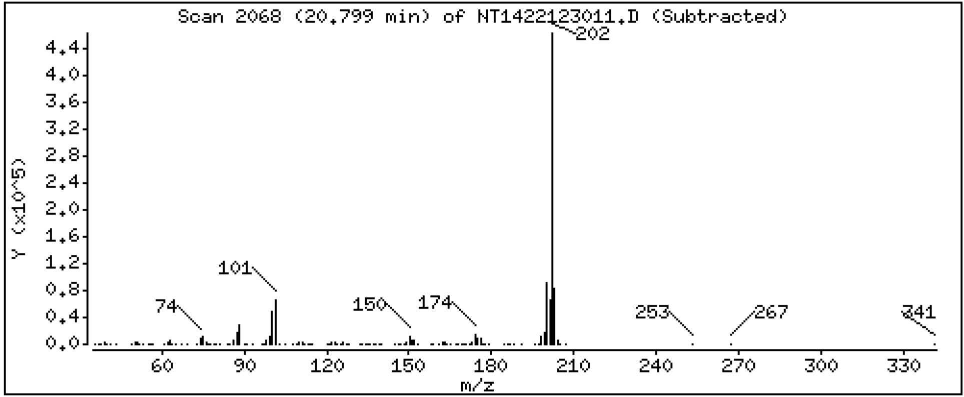
Column phase: ZB-5msi

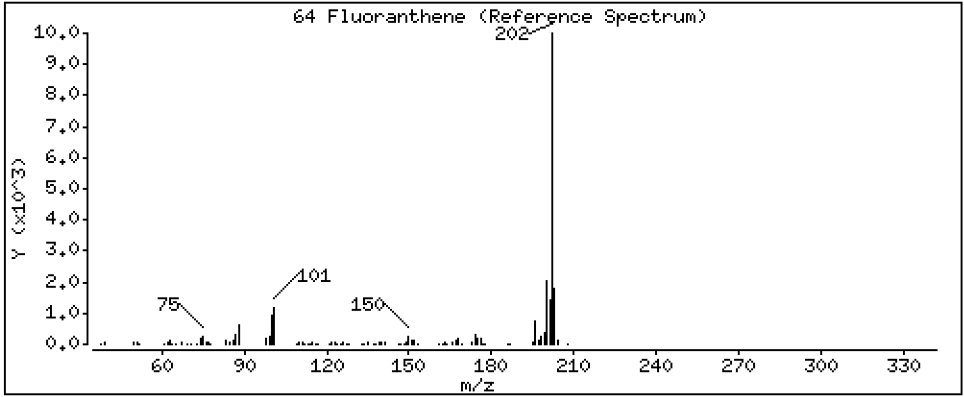
Column diameter: 0.25

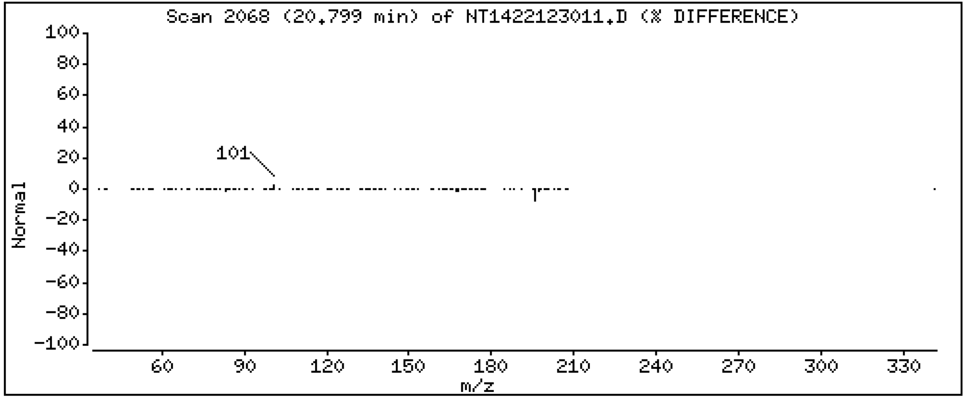
64 Fluoranthene

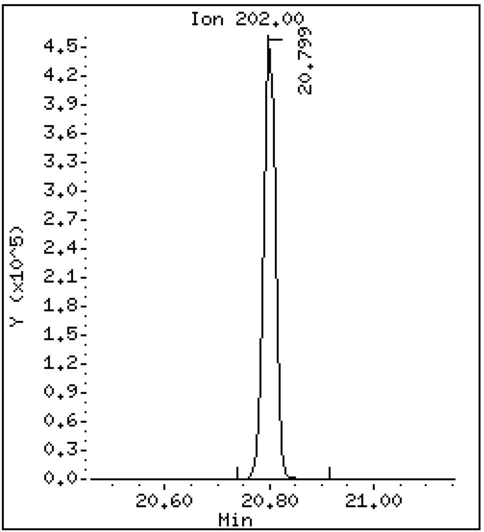
Concentration: 5.090 ug/mL

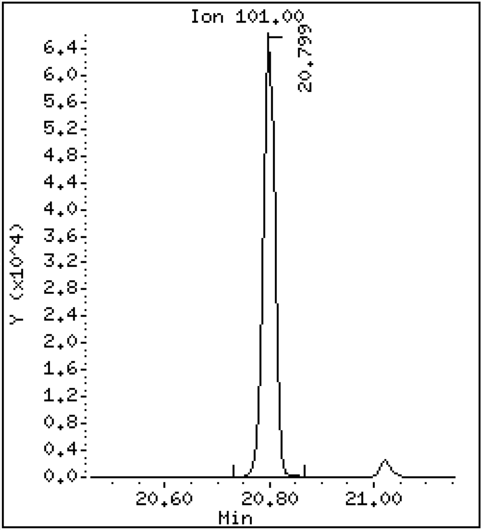

Scan 2068 (20.799 min) of NT1422123011.D

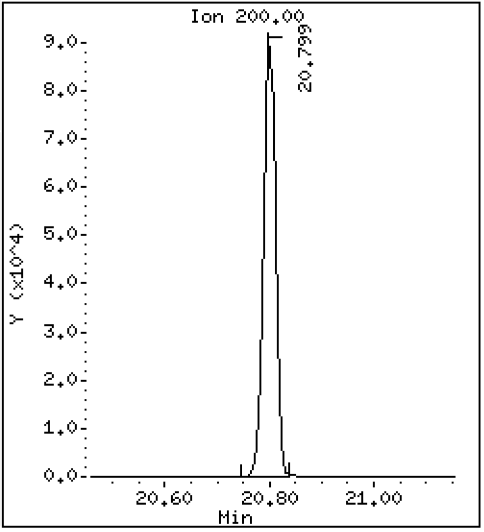

Scan 2068 (20.799 min) of NT1422123011.D (Subtracted)


64 Fluoranthene (Reference Spectrum)


Scan 2068 (20.799 min) of NT1422123011.D (% DIFFERENCE)


Ion 202.00


Ion 101.00


Ion 200.00

Data File: \\target\share\chem3\nt14.i\20221230.b\NT1422123011.D

Date : 30-DEC-2022 13:31

Client ID: Instrument: nt14.i

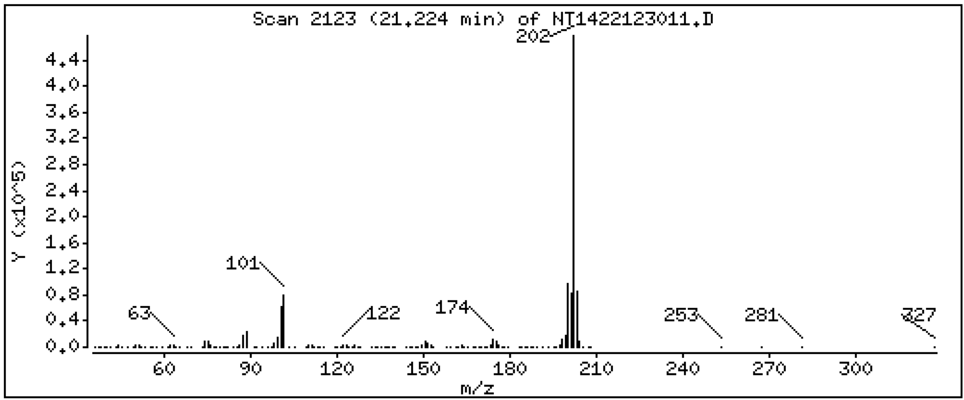
Sample Info: SKL0355-SCV1

Operator: VTS

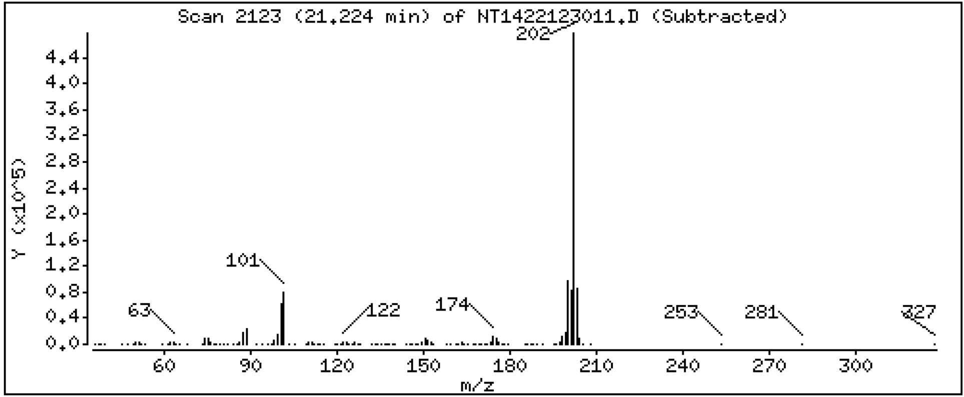
Column phase: ZB-5msi Column diameter: 0.25

65 Pyrene Concentration: 5.022 ug/mL

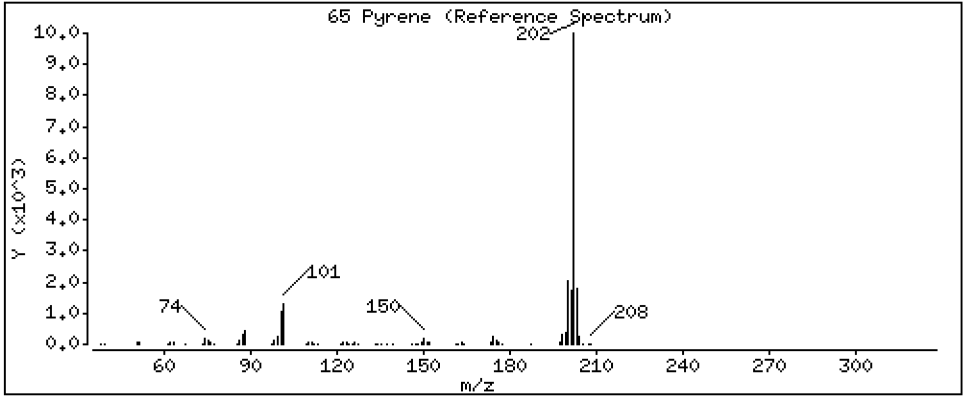
Scan 2123 (21.224 min) of NT1422123011.D



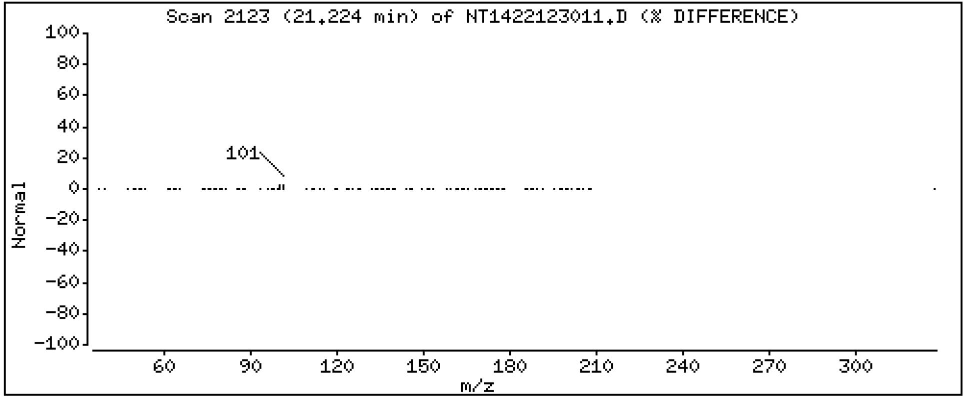
Scan 2123 (21.224 min) of NT1422123011.D (Subtracted)



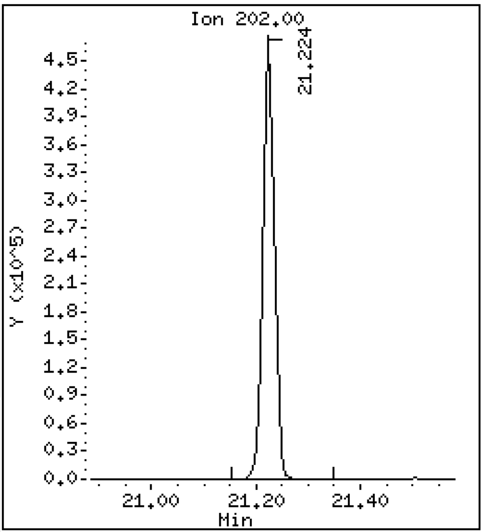
65 Pyrene (Reference Spectrum)



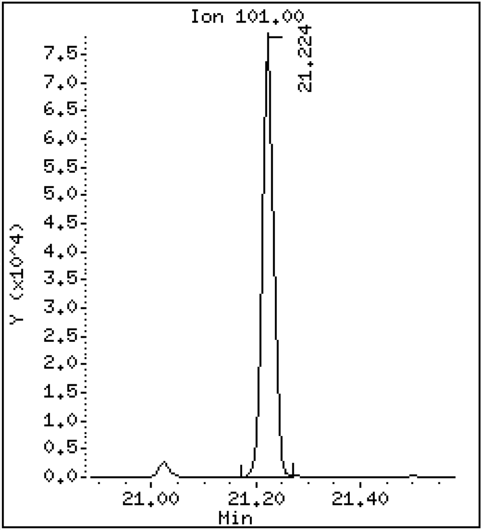
Scan 2123 (21.224 min) of NT1422123011.D (% DIFFERENCE)



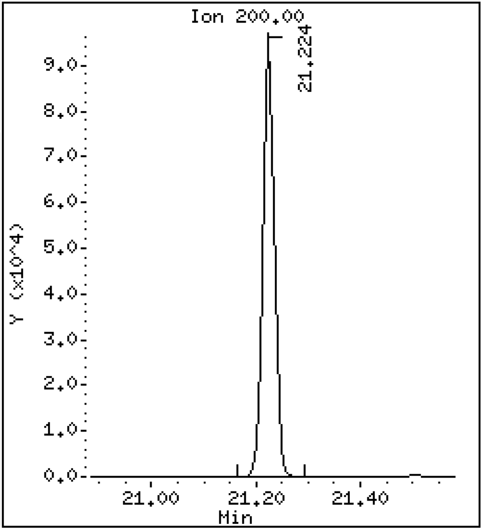
Ion 202.00



Ion 101.00



Ion 200.00



Data File: \\target\share\chem3\nt14.i\20221230.b\NT1422123011.D

Date : 30-DEC-2022 13:31

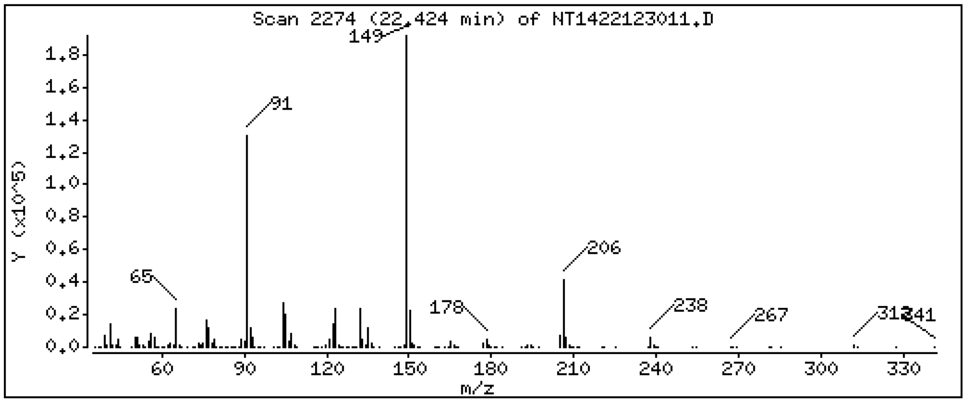
Client ID: Instrument: nt14.i

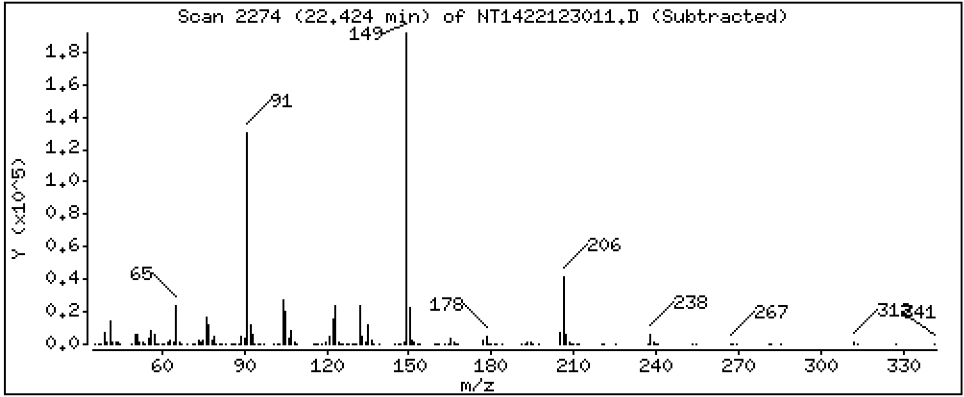
Sample Info: SKL0355-SCV1

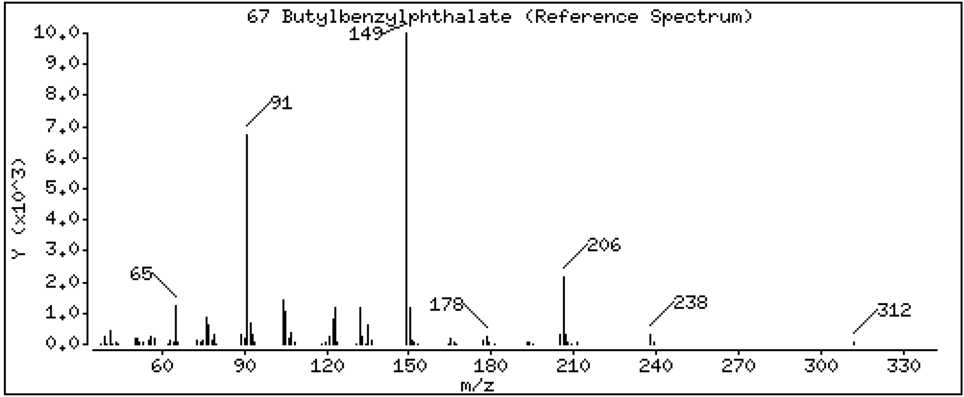
Operator: VTS

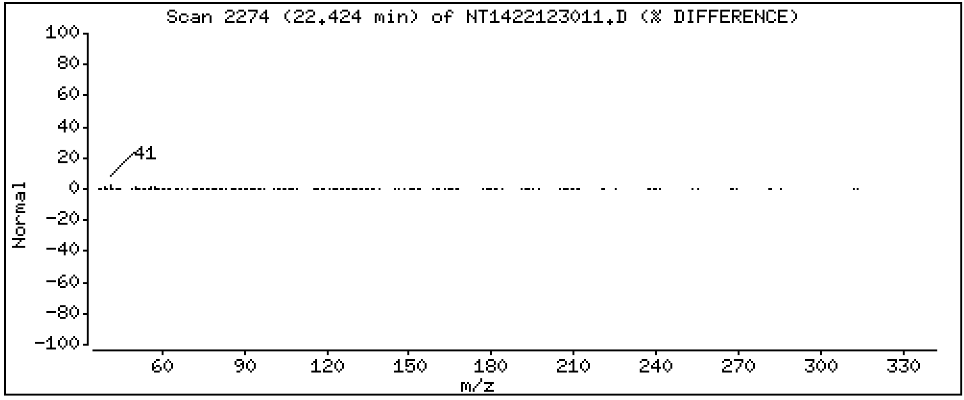
Column phase: ZB-5msi Column diameter: 0.25

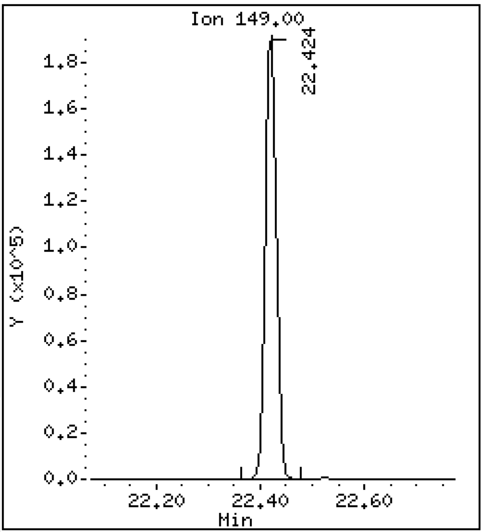
67 Butylbenzylphthalate Concentration: 5.005 ug/mL

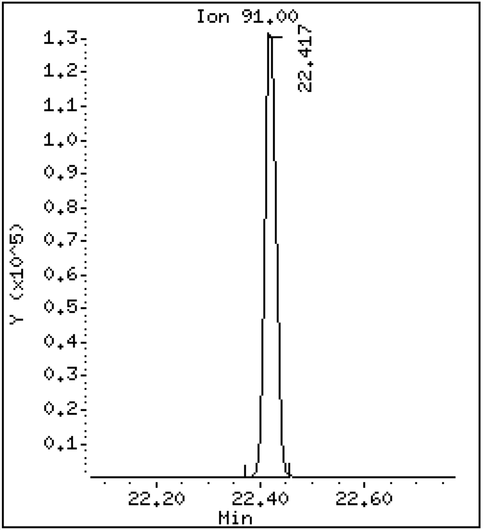

Scan 2274 (22.424 min) of NT1422123011.D

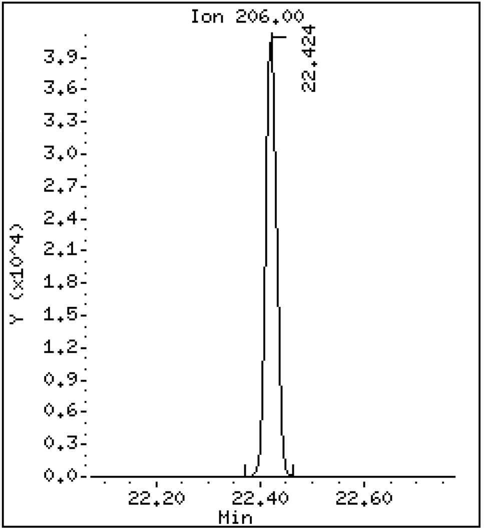

Scan 2274 (22.424 min) of NT1422123011.D (Subtracted)


67 Butylbenzylphthalate (Reference Spectrum)


Scan 2274 (22.424 min) of NT1422123011.D (% DIFFERENCE)


Ion 149.00


Ion 91.00


Ion 206.00

Data File: \\target\share\chem3\nt14.i\20221230.b\NT1422123011.D

Date : 30-DEC-2022 13:31

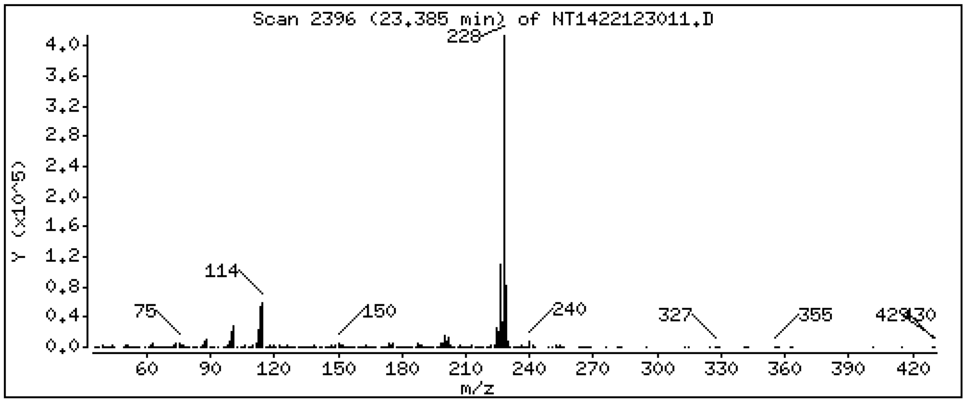
Client ID: Instrument: nt14.i

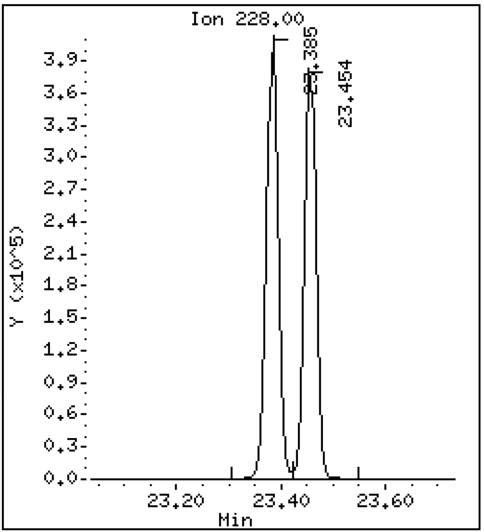
Sample Info: SKL0355-SCV1

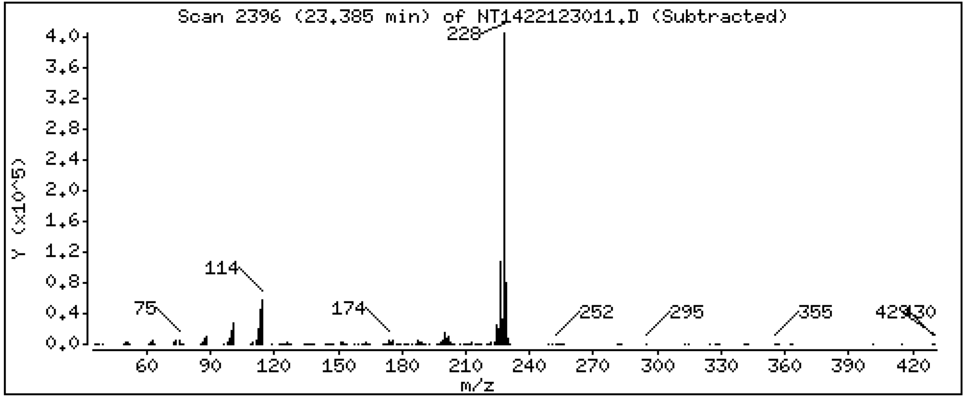
Operator: VTS

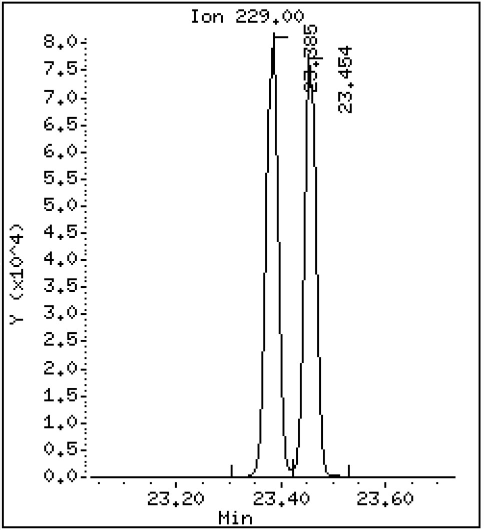
Column phase: ZB-5msi Column diameter: 0.25

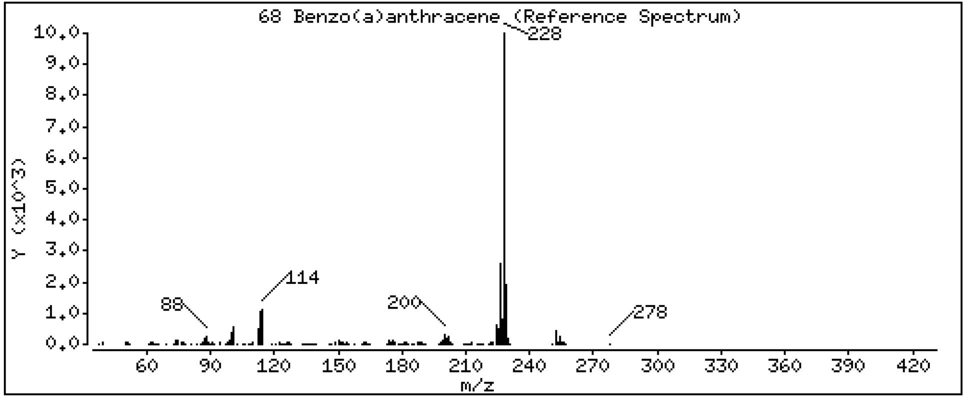
68 Benzo(a)anthracene Concentration: 4.890 ug/mL

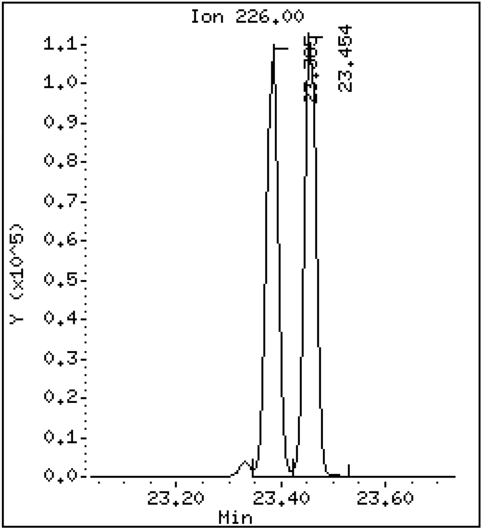

Scan 2396 (23.385 min) of NT1422123011.D

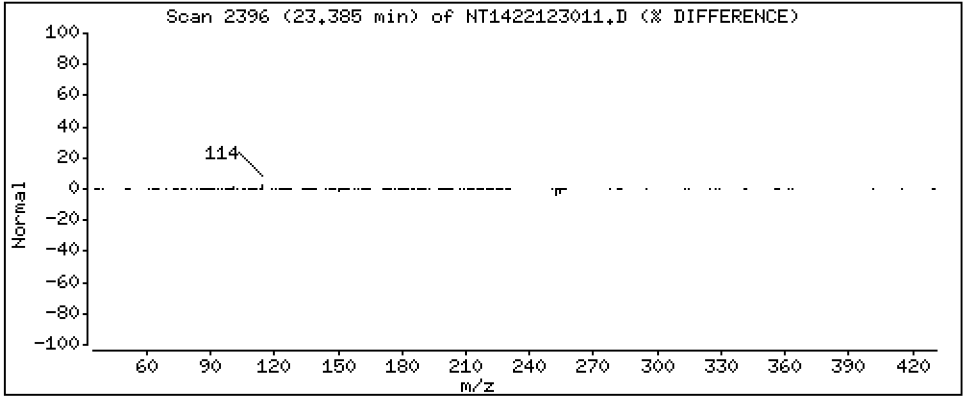

Ion 228.00


Scan 2396 (23.385 min) of NT1422123011.D (Subtracted)


Ion 229.00


68 Benzo(a)anthracene (Reference Spectrum)


Ion 226.00


Scan 2396 (23.385 min) of NT1422123011.D (% DIFFERENCE)

Data File: \\target\share\chem3\nt14.i\20221230.b\NT1422123011.D

Date : 30-DEC-2022 13:31

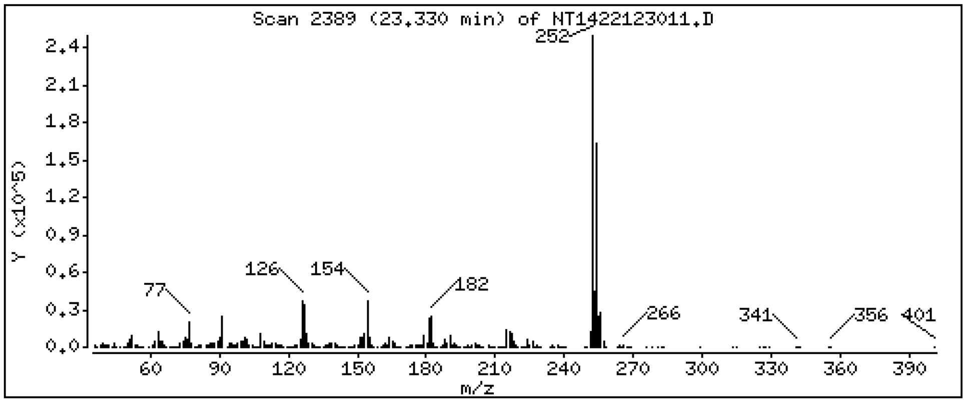
Client ID: Instrument: nt14.i

Sample Info: SKL0355-SCV1

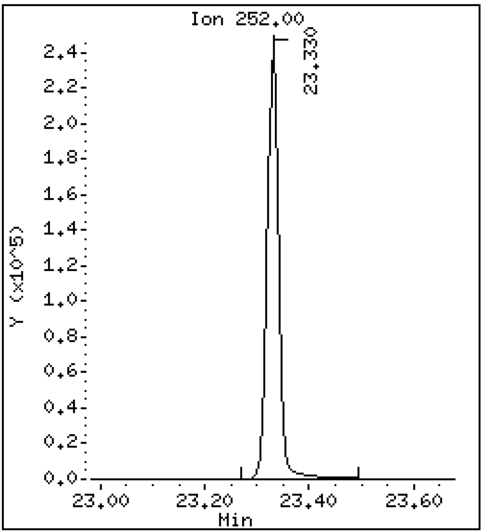
Operator: VTS

Column phase: ZB-5msi Column diameter: 0.25

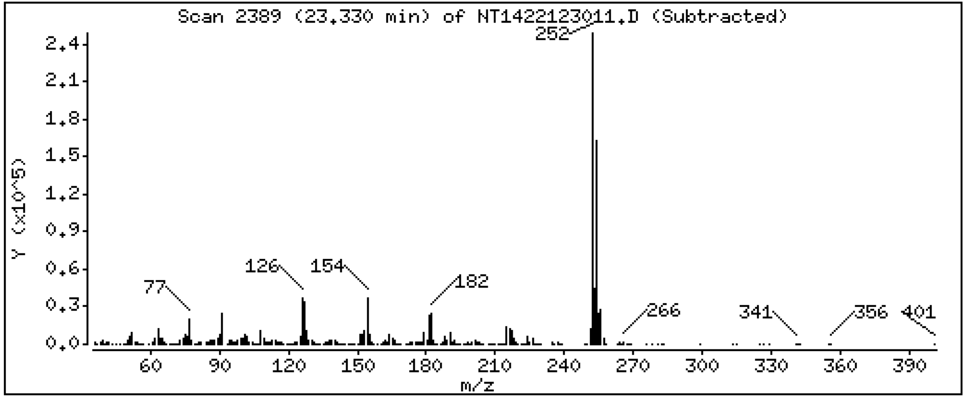
70 3,3'-Dichlorobenzidine Concentration: 9.207 ug/mL



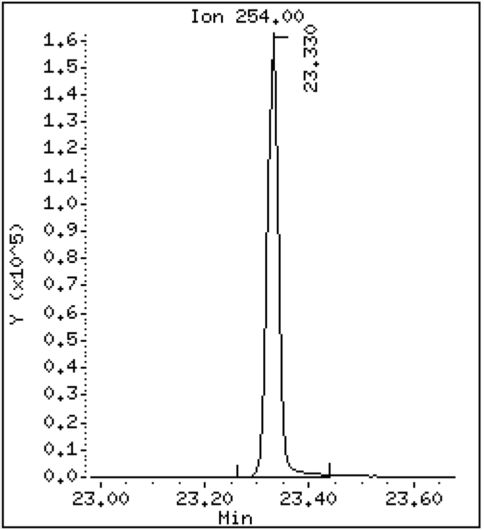
Scan 2389 (23.330 min) of NT1422123011.D



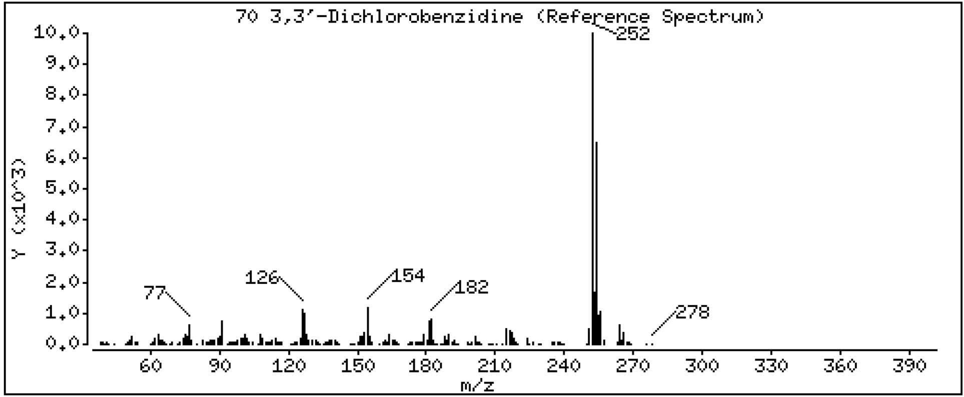
Ion 252.00



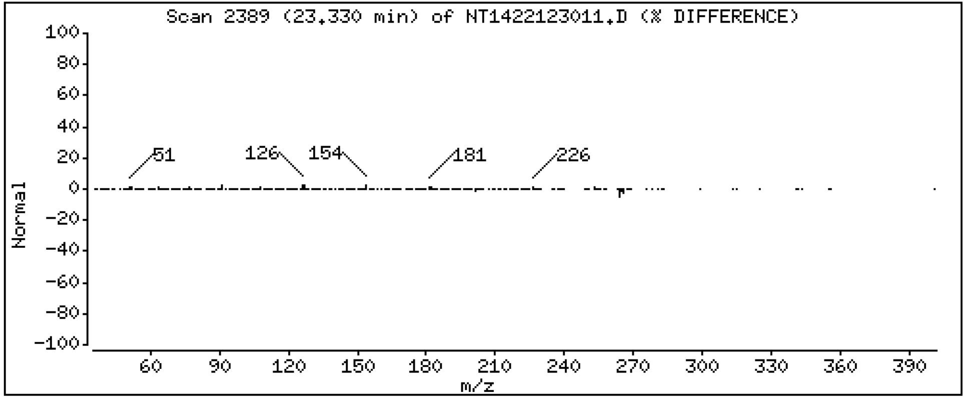
Scan 2389 (23.330 min) of NT1422123011.D (Subtracted)



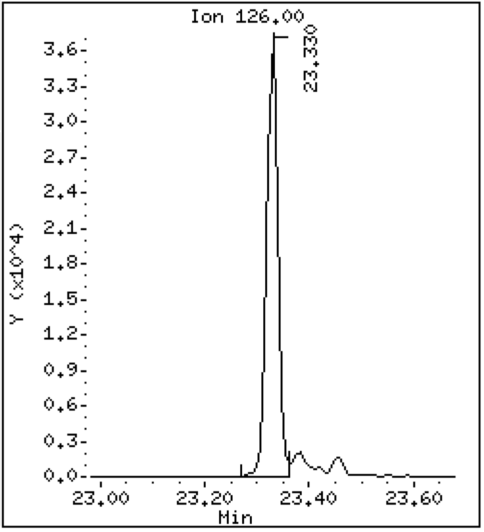
Ion 254.00



70 3,3'-Dichlorobenzidine (Reference Spectrum)



Scan 2389 (23.330 min) of NT1422123011.D (% DIFFERENCE)



Ion 126.00

Data File: \\target\share\chem3\nt14.i\20221230.b\NT1422123011.D

Date : 30-DEC-2022 13:31

Client ID:

Instrument: nt14.i

Sample Info: SKL0355-SCV1

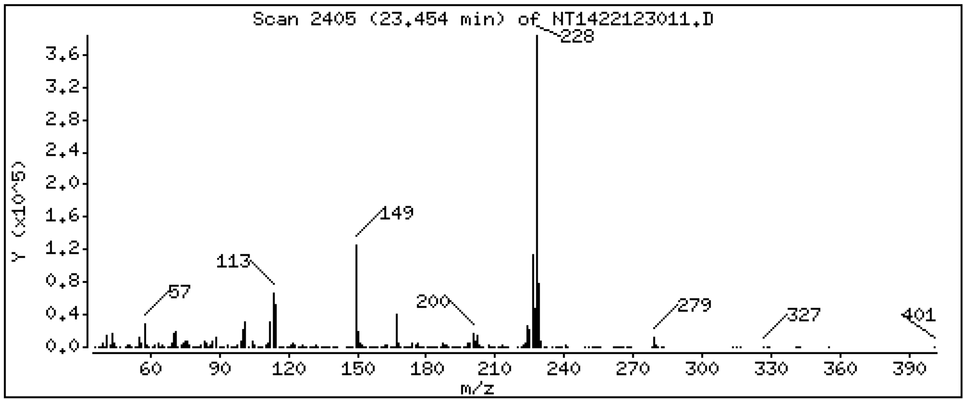
Operator: VTS

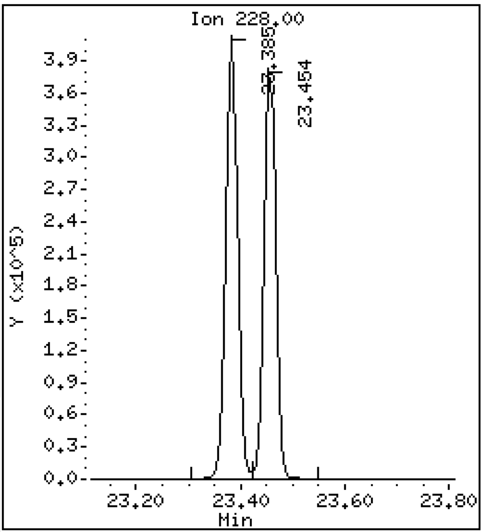
Column phase: ZB-5msi

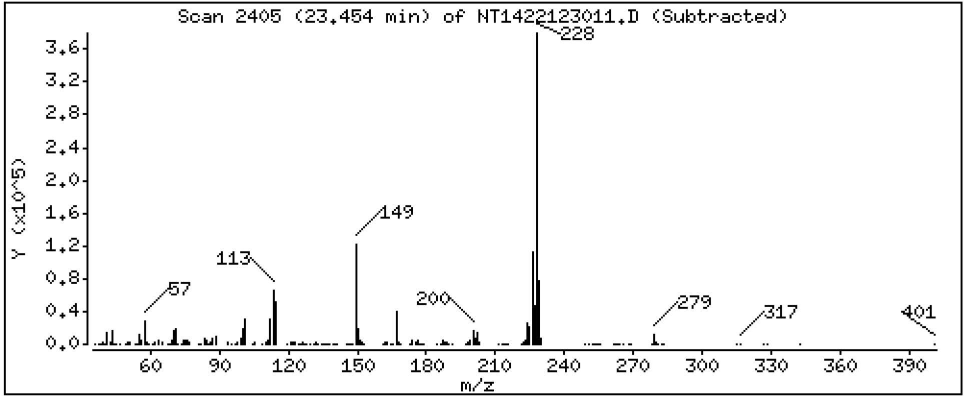
Column diameter: 0.25

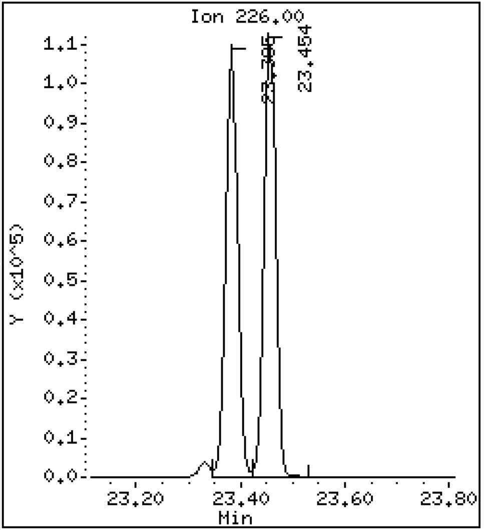
71 Chrysene

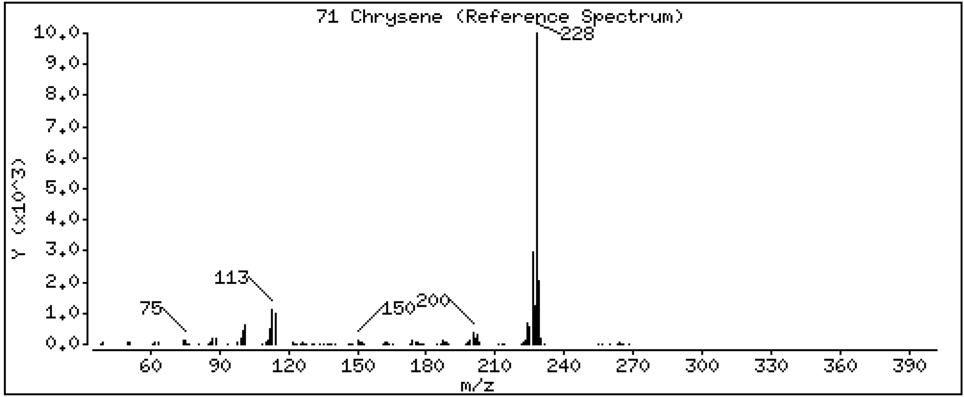
Concentration: 4.763 ug/mL

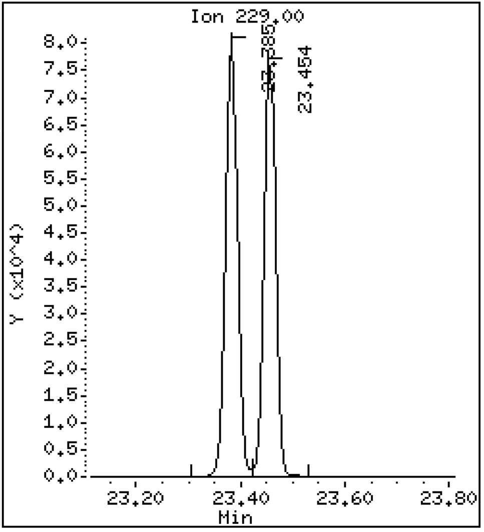


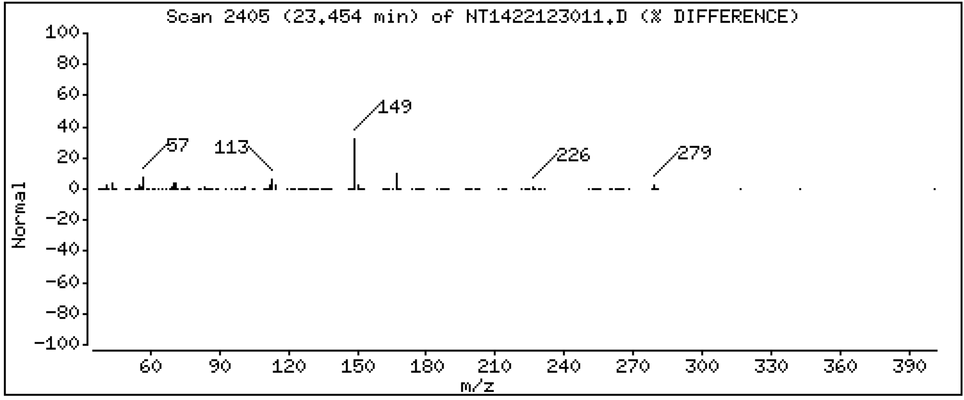












Data File: \\target\share\chem3\nt14.i\20221230.b\NT1422123011.D

Date : 30-DEC-2022 13:31

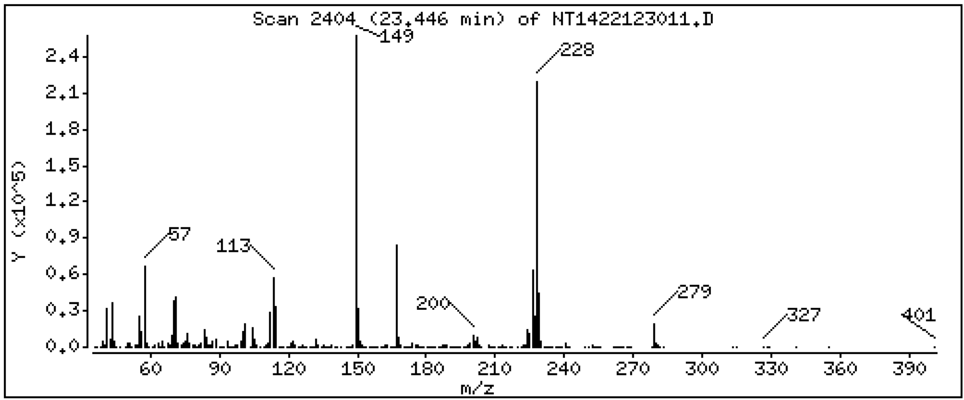
Client ID: Instrument: nt14.i

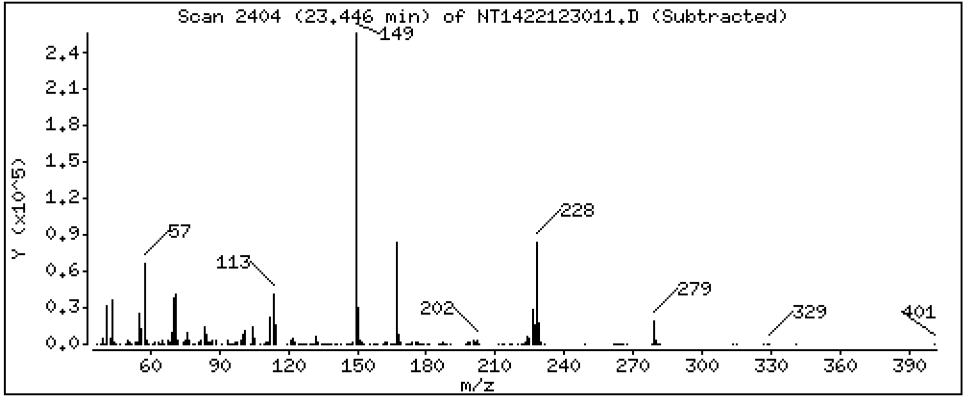
Sample Info: SKL0355-SCV1

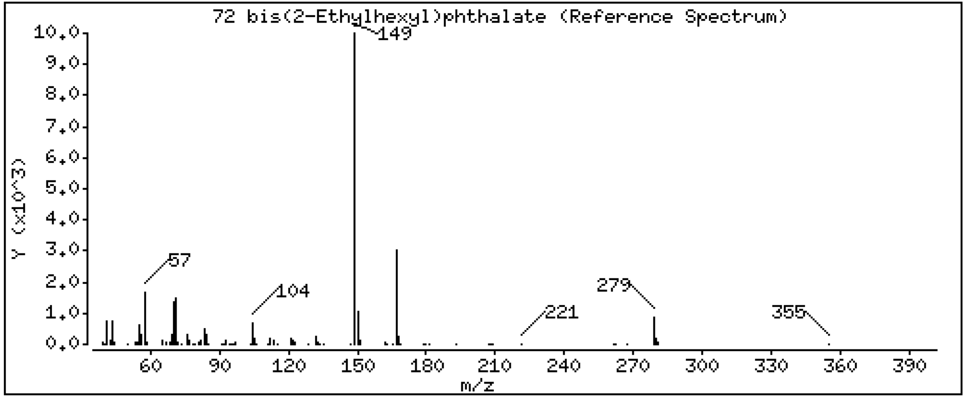
Operator: VTS

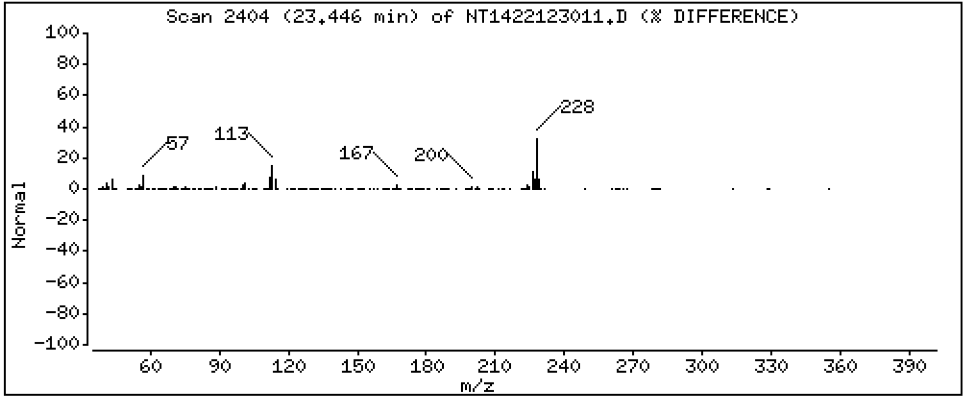
Column phase: ZB-5msi Column diameter: 0.25

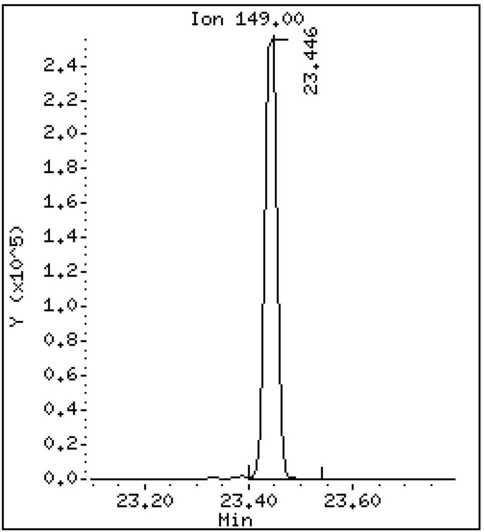
72 bis(2-Ethylhexyl)phthalate Concentration: 5.899 ug/mL

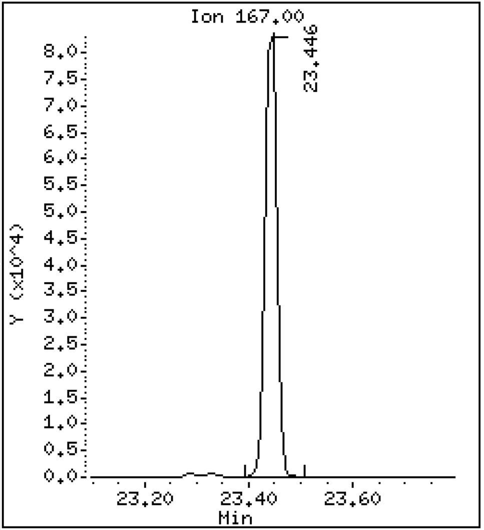

Scan 2404 (23.446 min) of NT1422123011.D

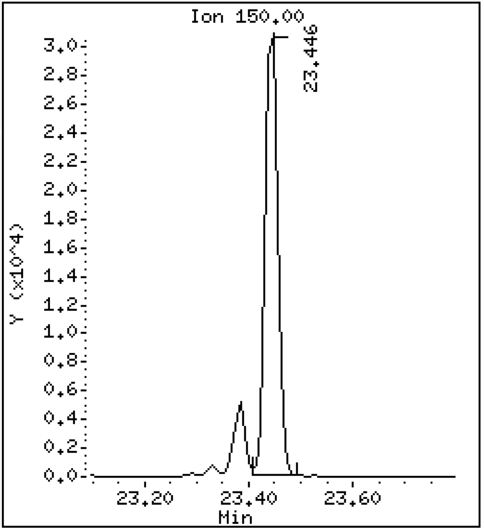

Scan 2404 (23.446 min) of NT1422123011.D (Subtracted)


72 bis(2-Ethylhexyl)phthalate (Reference Spectrum)


Scan 2404 (23.446 min) of NT1422123011.D (% DIFFERENCE)


Ion 149.00


Ion 167.00


Ion 150.00

Data File: \\target\share\chem3\nt14.i\20221230.b\NT1422123011.D

Date : 30-DEC-2022 13:31

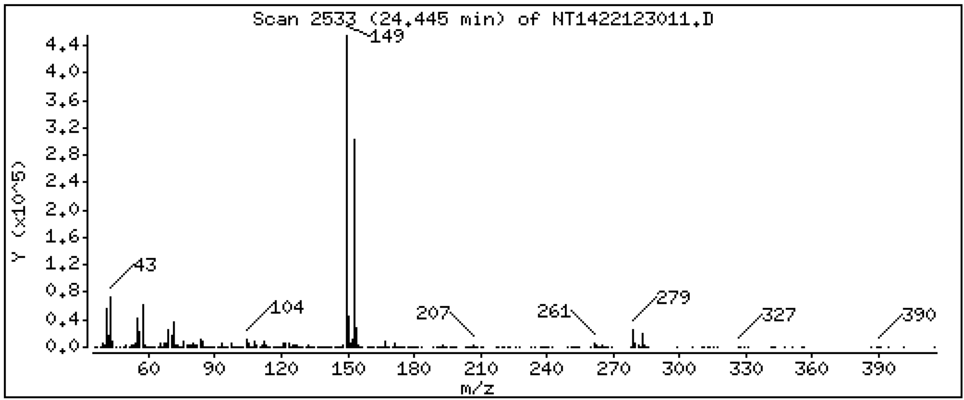
Client ID: Instrument: nt14.i

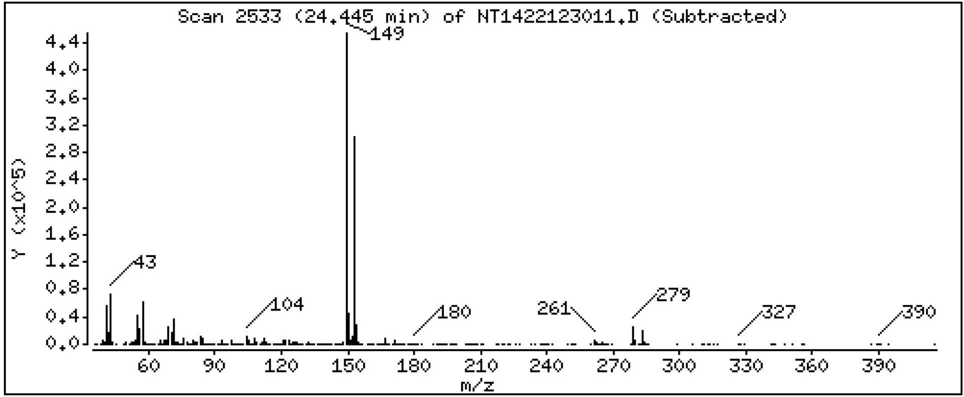
Sample Info: SKL0355-SCV1

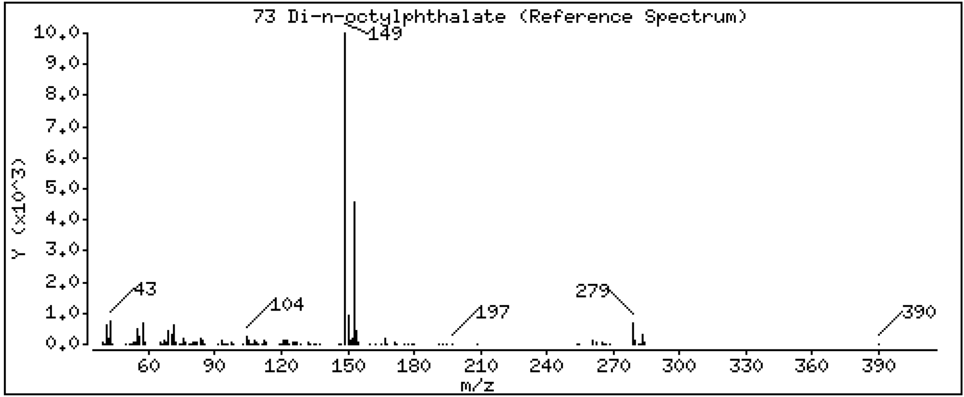
Operator: VTS

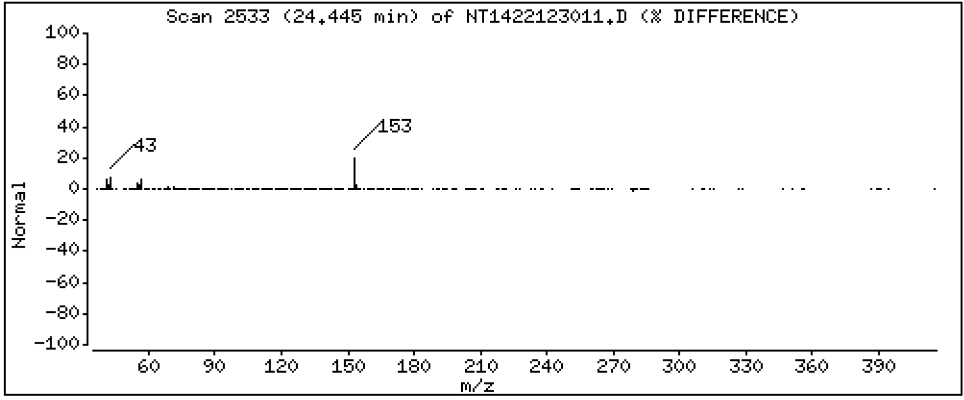
Column phase: ZB-5msi Column diameter: 0.25

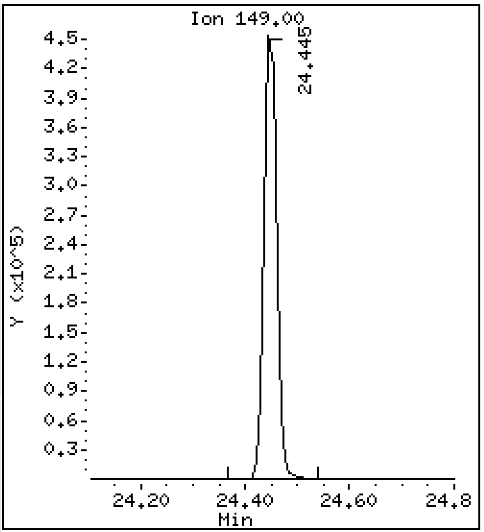
73 Di-n-octylphthalate Concentration: 5.083 ug/mL

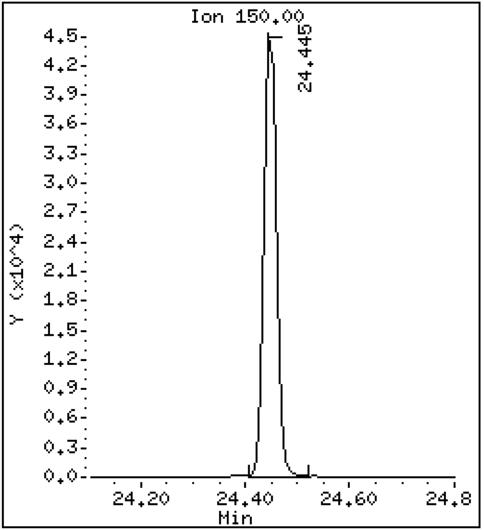


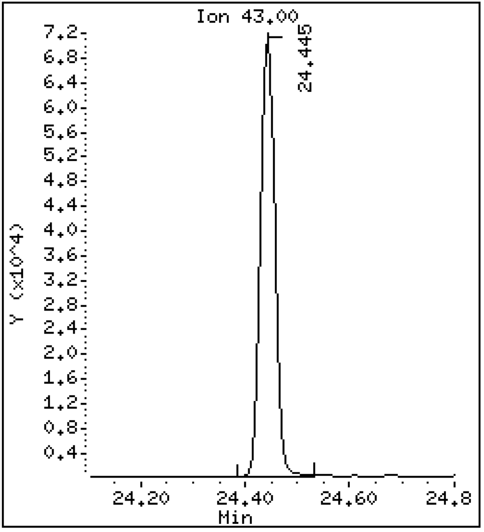












Data File: \\target\share\chem3\nt14.i\20221230.b\NT1422123011.D

Date : 30-DEC-2022 13:31

Client ID:

Instrument: nt14.i

Sample Info: SKL0355-SCV1

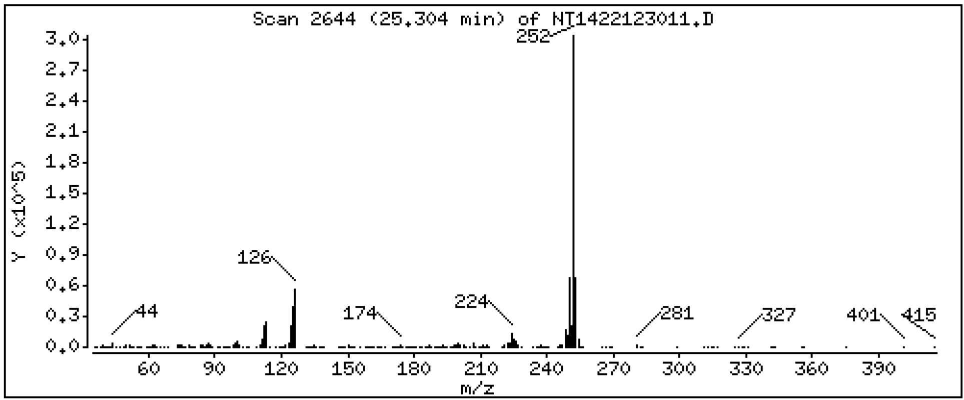
Operator: VTS

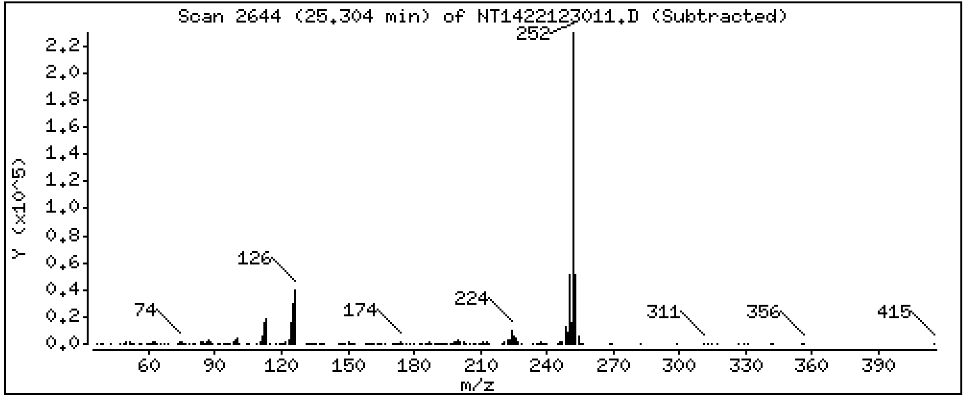
Column phase: ZB-5msi

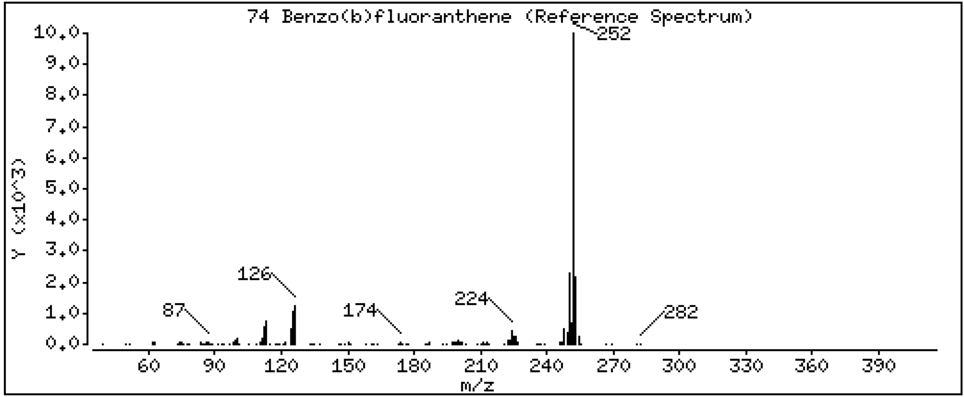
Column diameter: 0.25

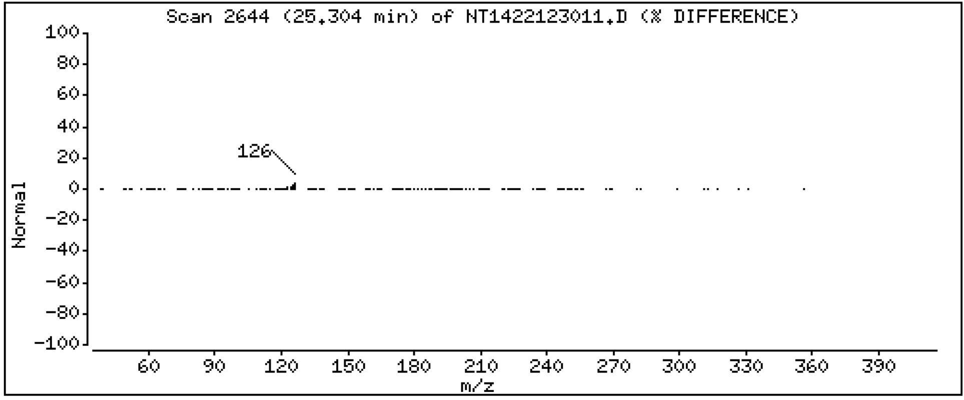
74 Benzo(b)fluoranthene

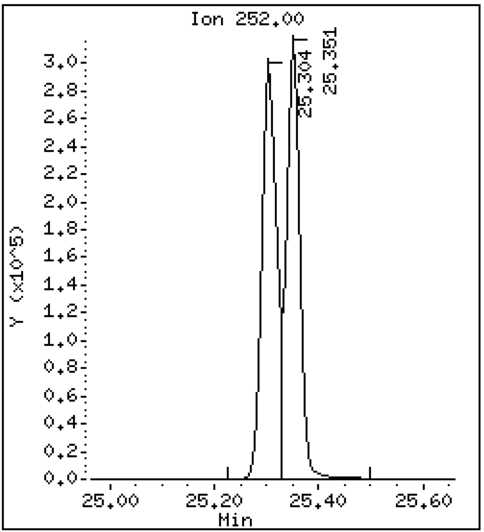
Concentration: 4.893 ug/mL

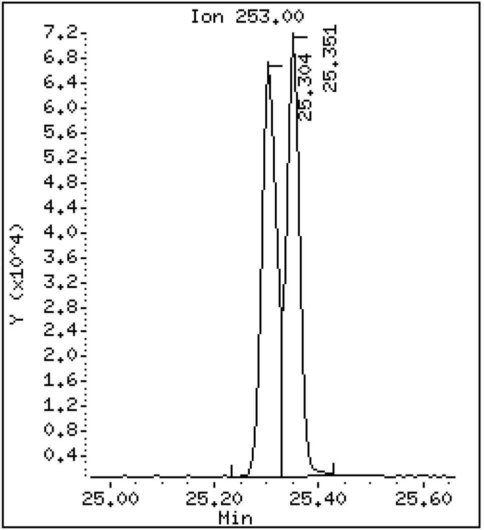

Scan 2644 (25.304 min) of NT1422123011.D

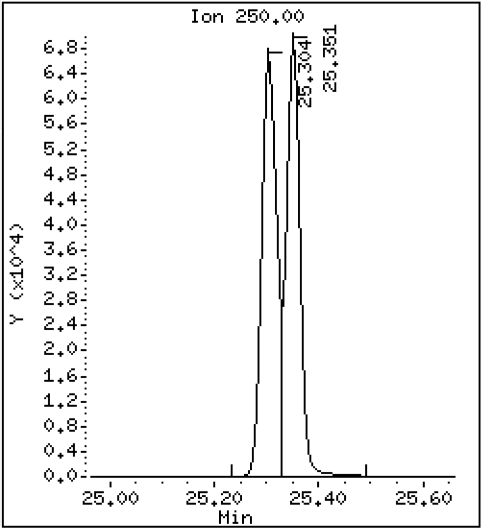

Scan 2644 (25.304 min) of NT1422123011.D (Subtracted)


74 Benzo(b)fluoranthene (Reference Spectrum)


Scan 2644 (25.304 min) of NT1422123011.D (% DIFFERENCE)


Ion 252.00


Ion 253.00


Ion 250.00

Data File: \\target\share\chem3\nt14.i\20221230.b\NT1422123011.D

Date : 30-DEC-2022 13:31

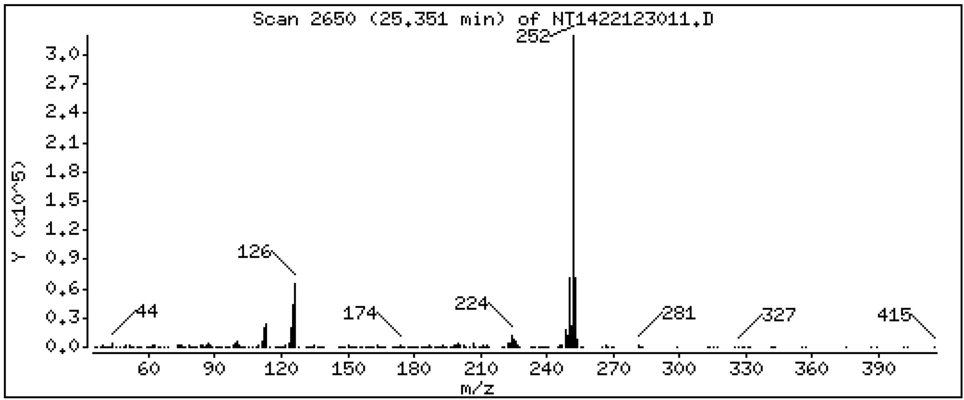
Client ID: Instrument: nt14.i

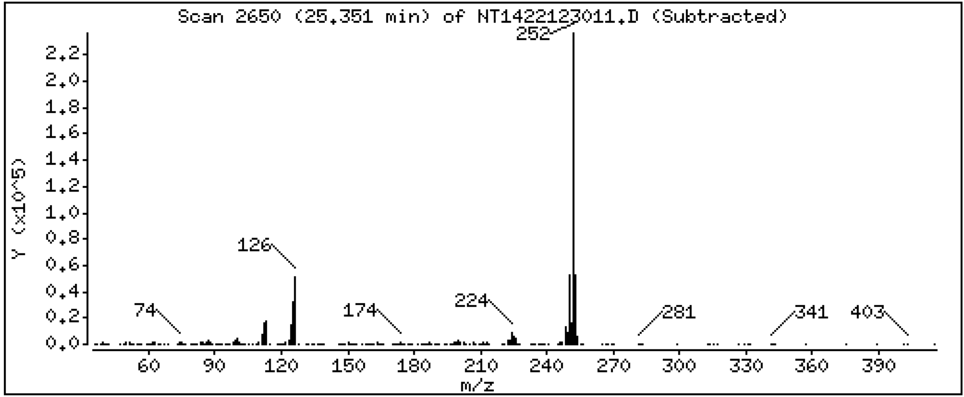
Sample Info: SKL0355-SCV1

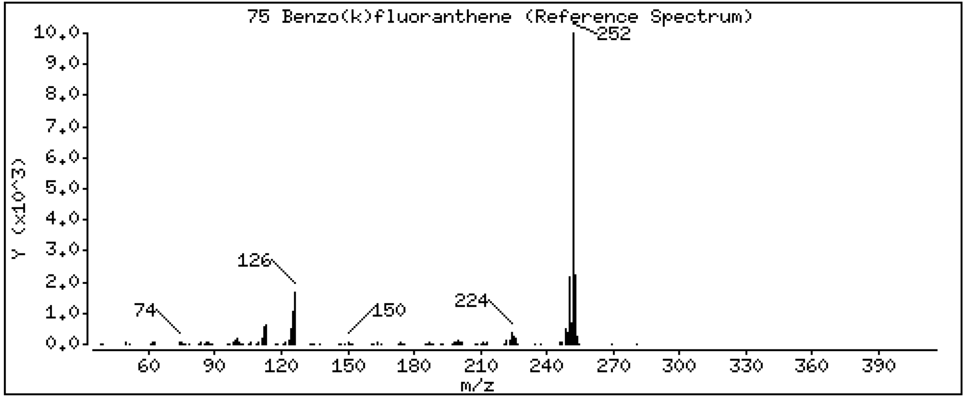
Operator: VTS

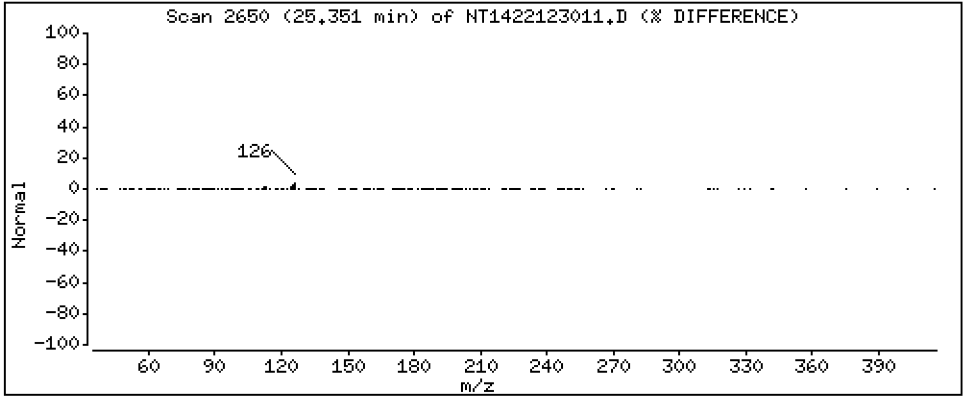
Column phase: ZB-5msi Column diameter: 0.25

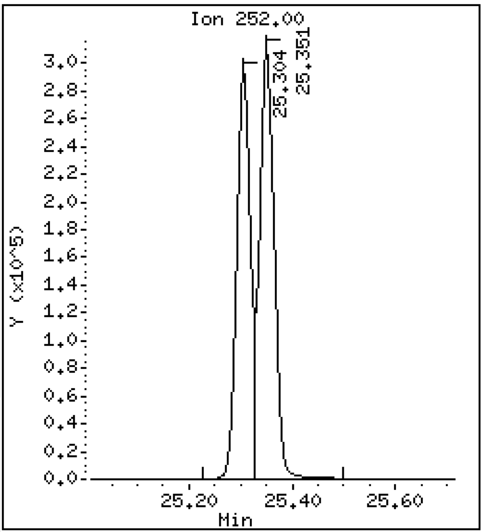
75 Benzo(k)fluoranthene Concentration: 5.093 ug/mL

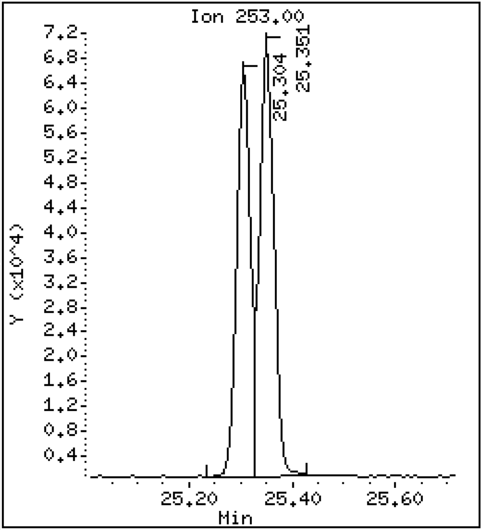


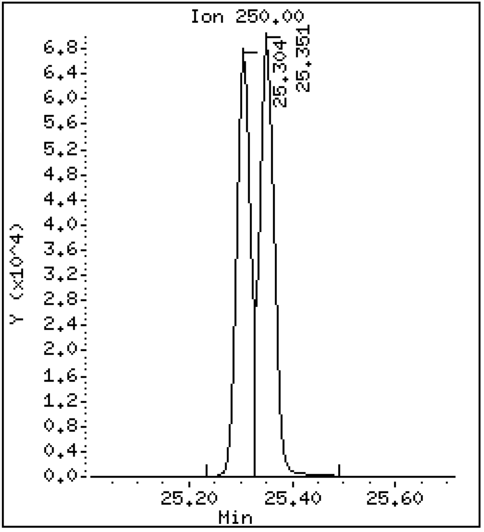












Data File: \\target\share\chem3\nt14.i\20221230.b\NT1422123011.D

Date : 30-DEC-2022 13:31

Client ID:

Instrument: nt14.i

Sample Info: SKL0355-SCV1

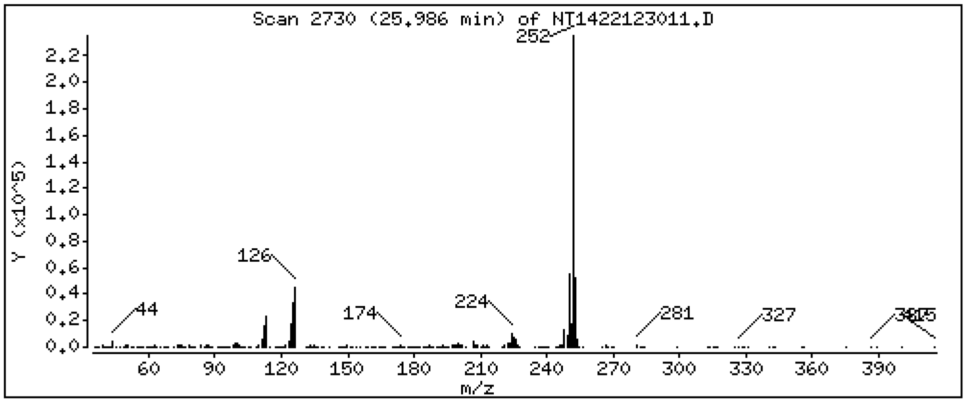
Operator: VTS

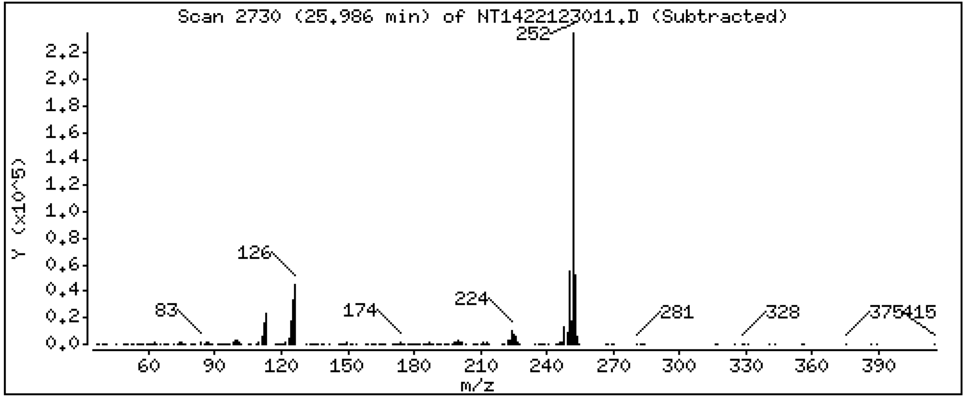
Column phase: ZB-5msi

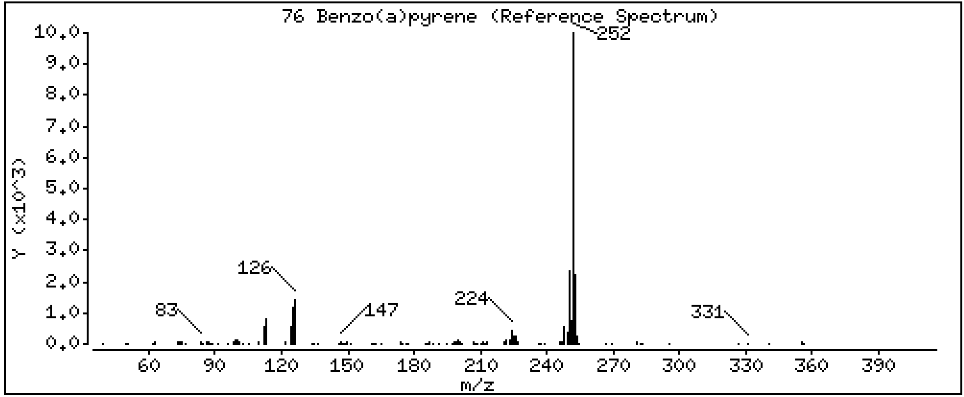
Column diameter: 0.25

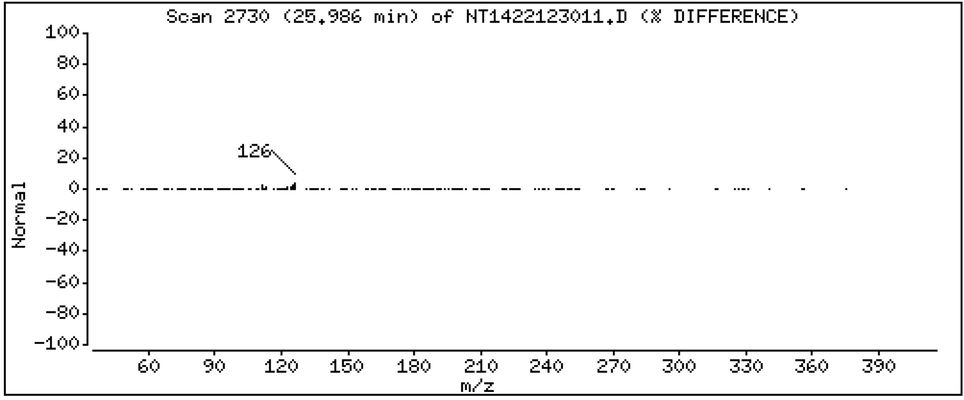
76 Benzo(a)pyrene

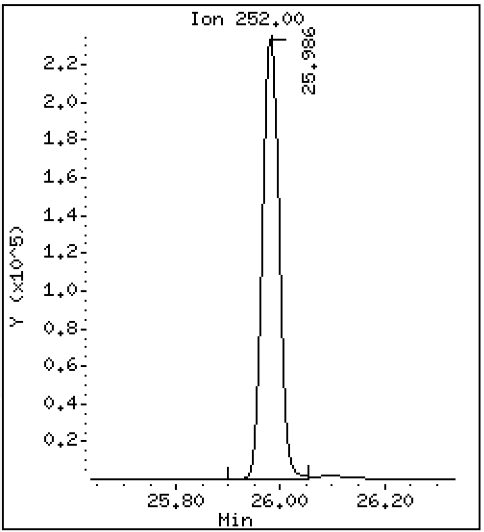
Concentration: 5.092 ug/mL

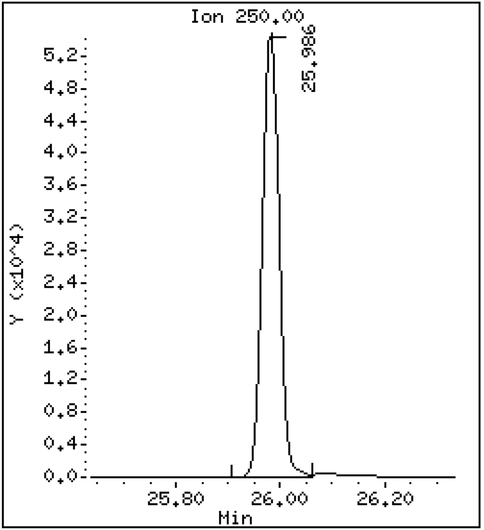


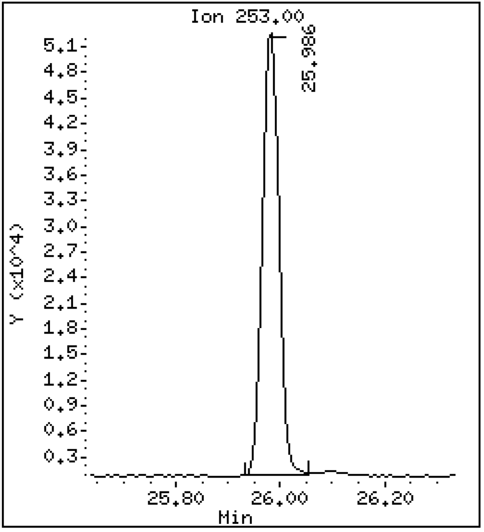












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Date : 30-DEC-2022 13:31

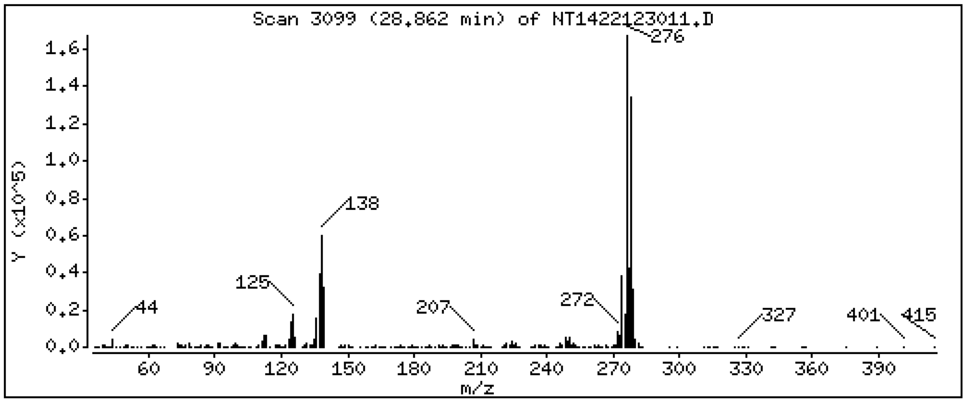
Client ID: Instrument: nt14.i

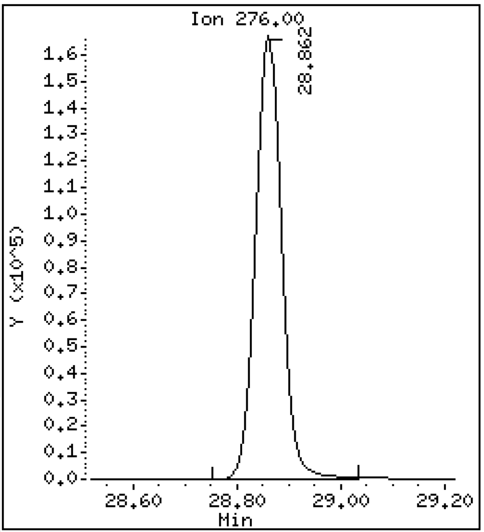
Sample Info: SKL0355-SCV1

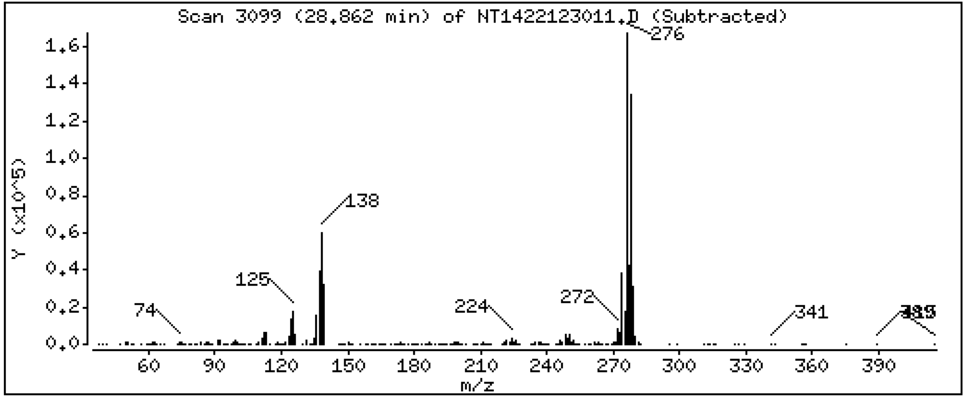
Operator: VTS

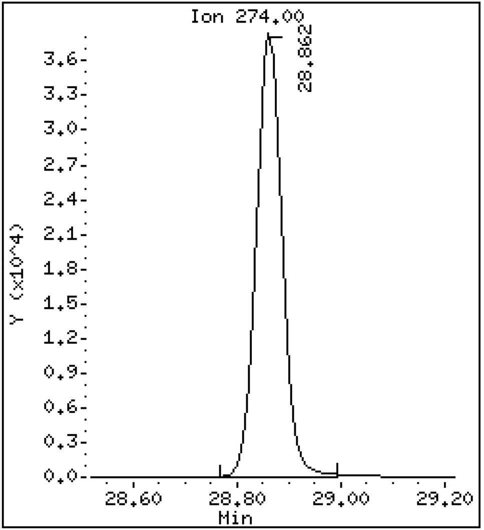
Column phase: ZB-5msi Column diameter: 0.25

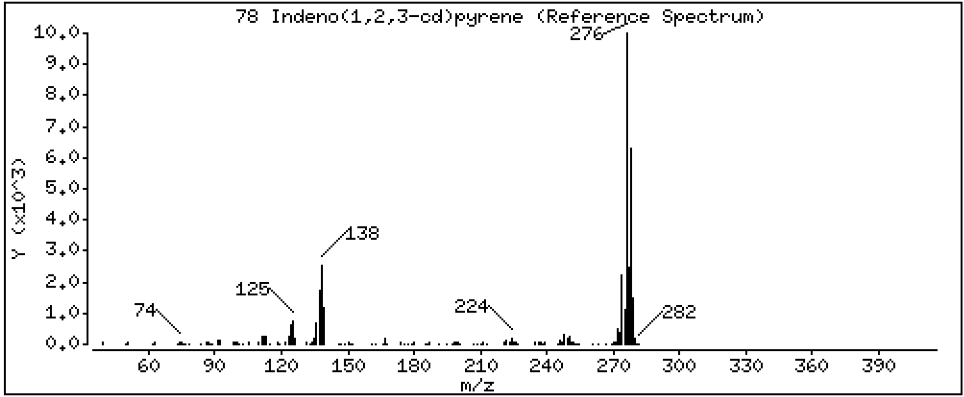
78 Indeno(1,2,3-cd)pyrene Concentration: 5.128 ug/mL

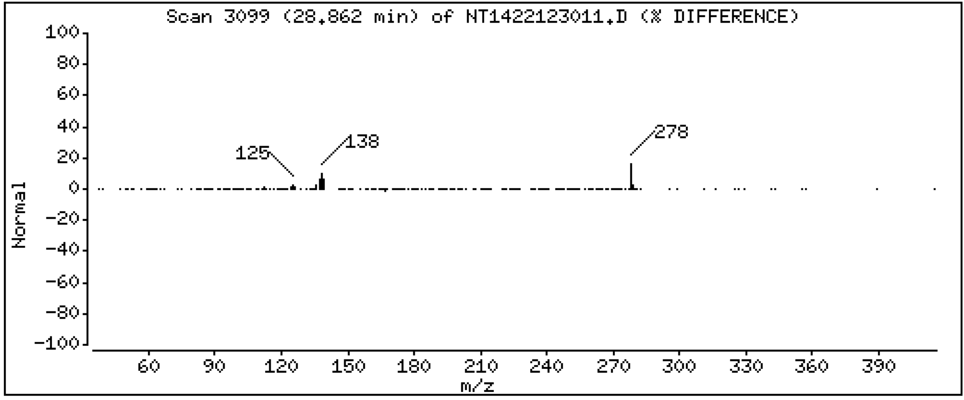


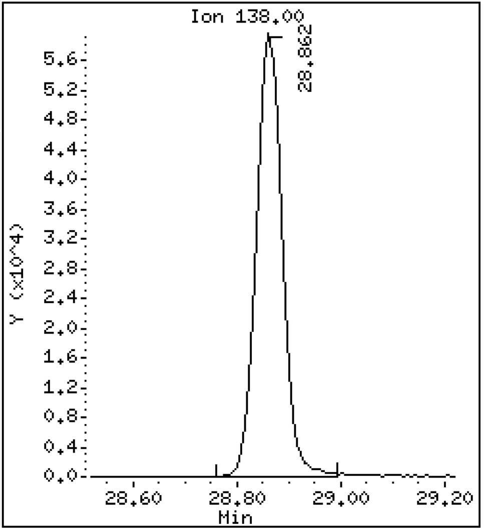












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Date : 30-DEC-2022 13:31

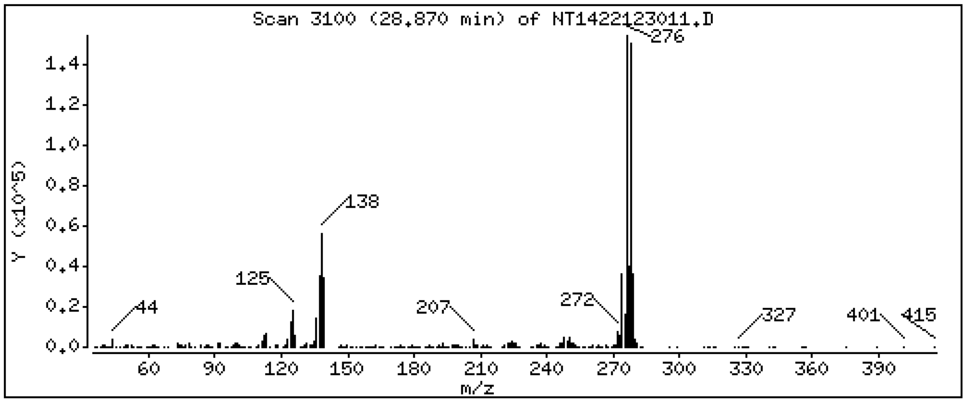
Client ID: Instrument: nt14.i

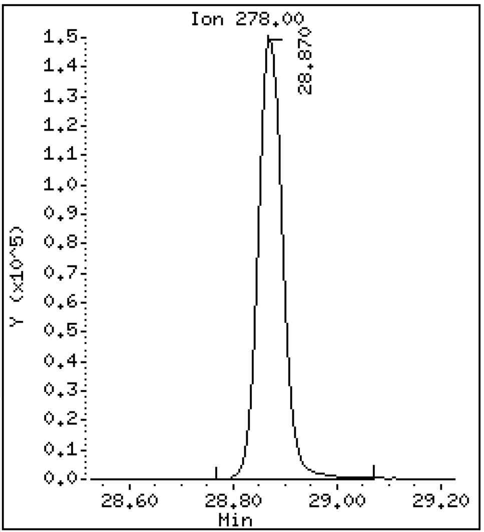
Sample Info: SKL0355-SCV1

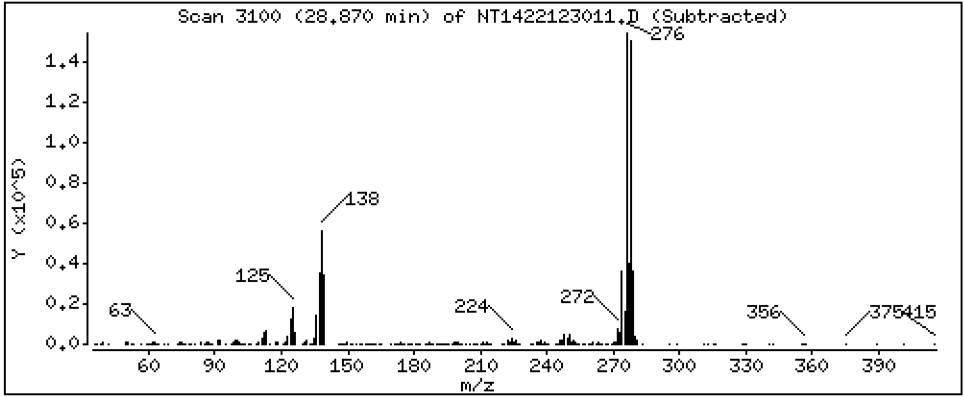
Operator: VTS

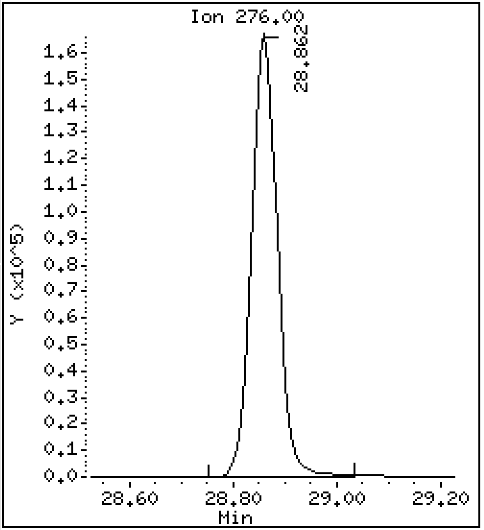
Column phase: ZB-5msi Column diameter: 0.25

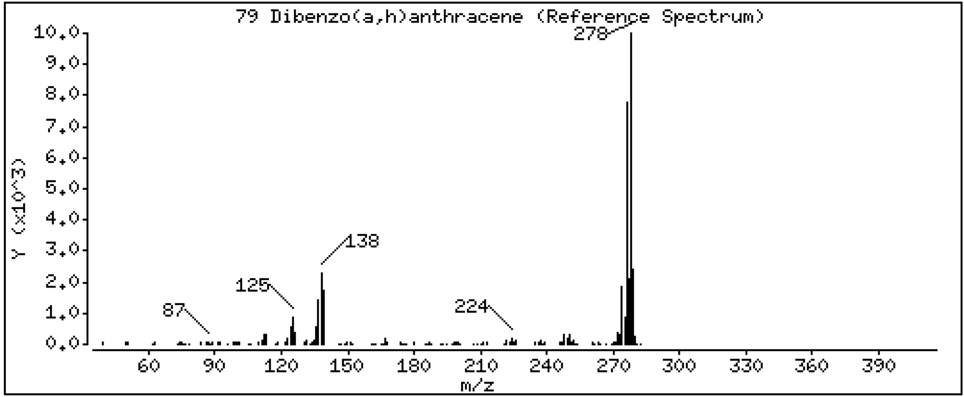
79 Dibenzo(a,h)anthracene Concentration: 5.087 ug/mL

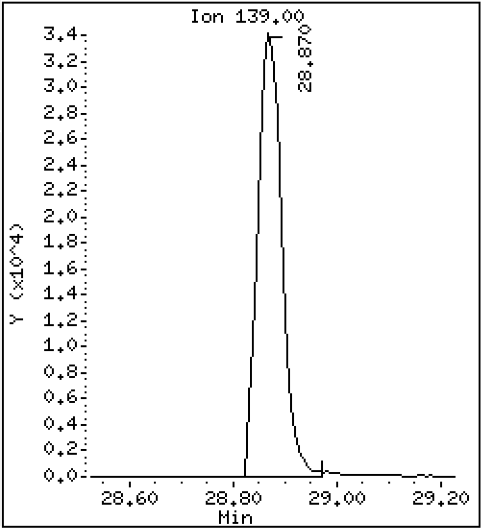


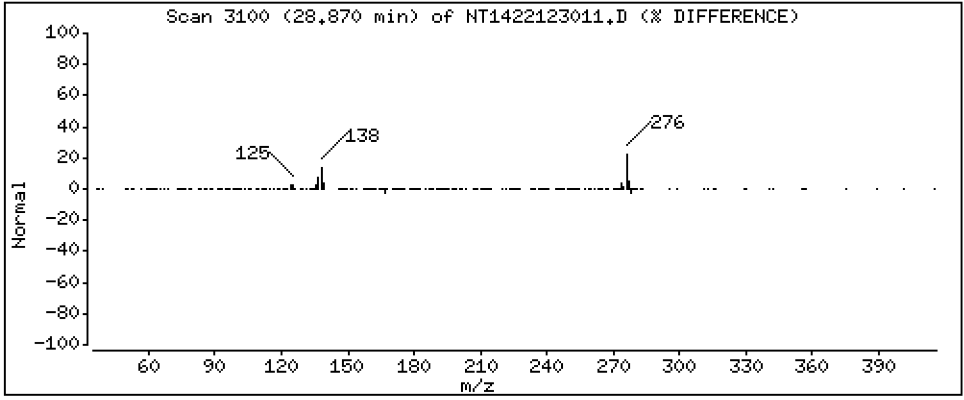












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Date : 30-DEC-2022 13:31

Client ID:

Instrument: nt14.i

Sample Info: SKL0355-SCV1

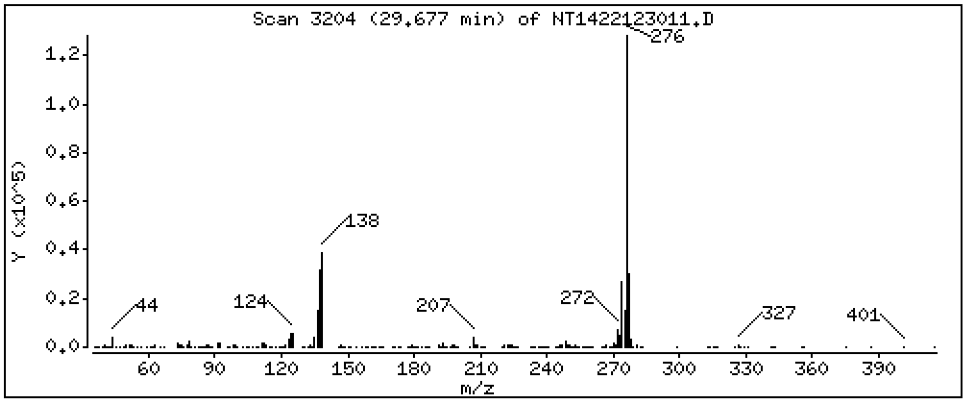
Operator: VTS

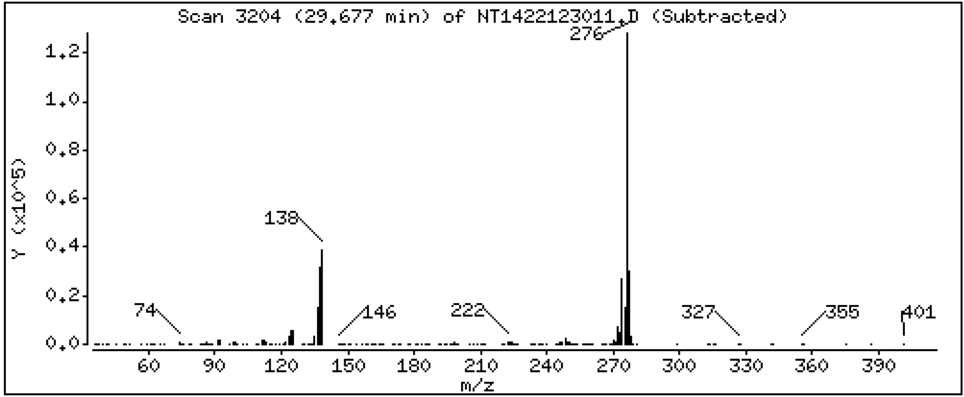
Column phase: ZB-5msi

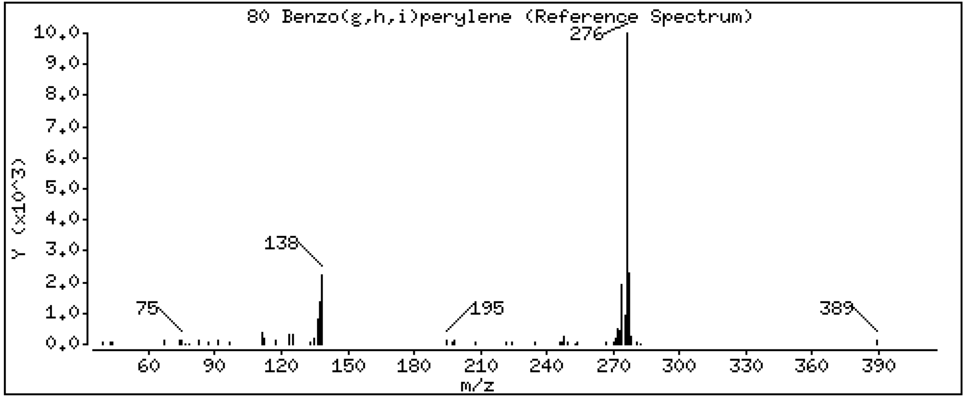
Column diameter: 0.25

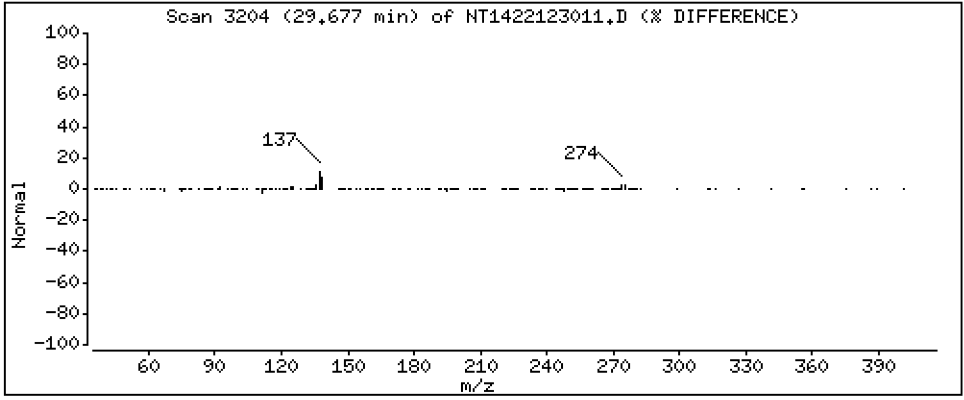
80 Benzo(g,h,i)perylene

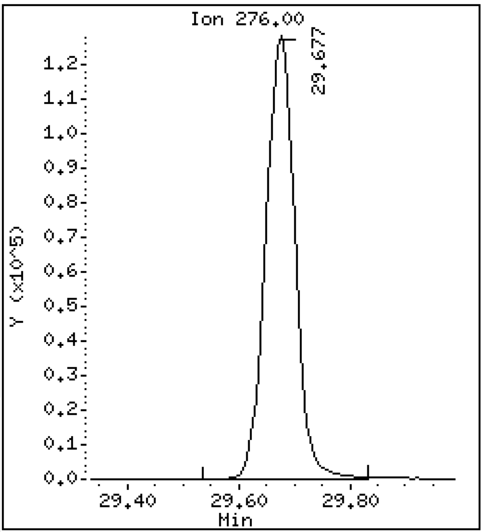
Concentration: 5.037 ug/mL

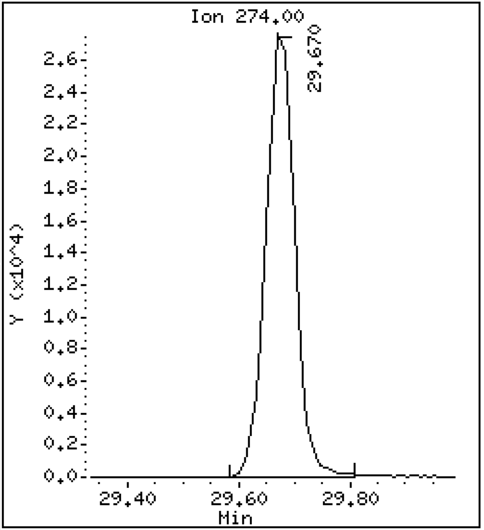


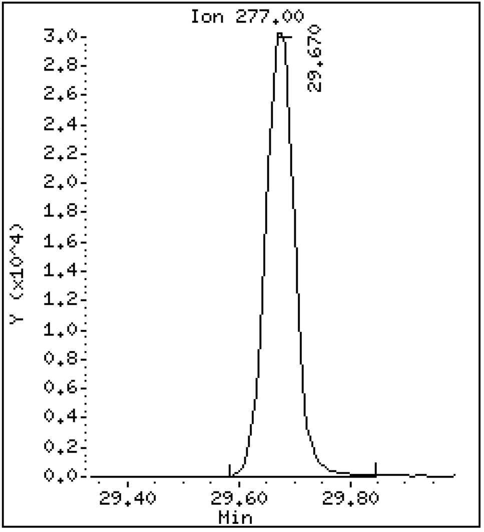












Data File: \\target\share\chem3\nt14.i\20221230.b\NT1422123011.D

Date : 30-DEC-2022 13:31

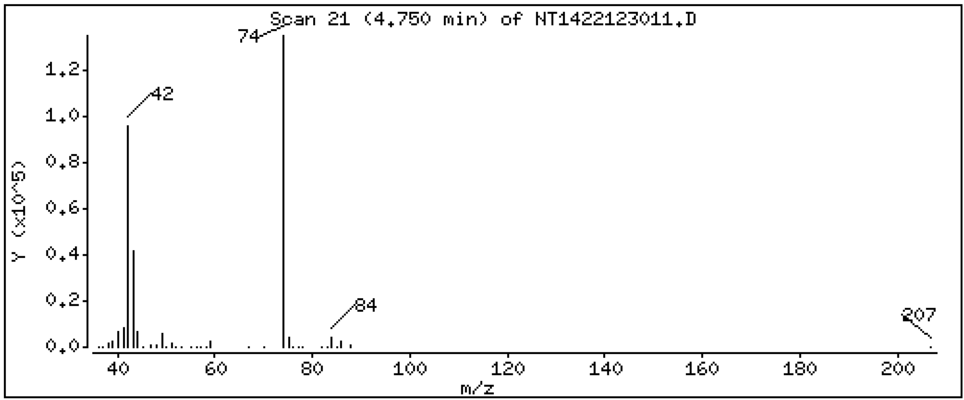
Client ID: Instrument: nt14.i

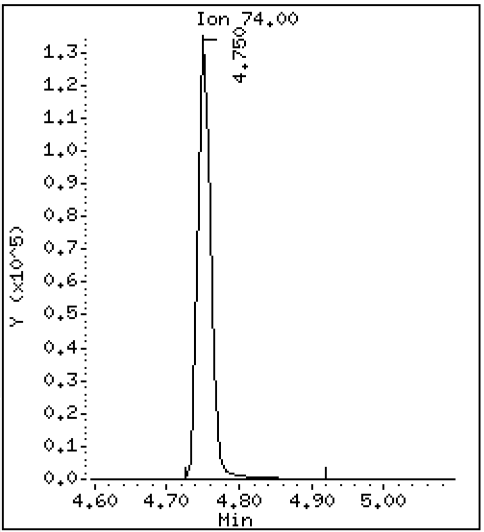
Sample Info: SKL0355-SCV1

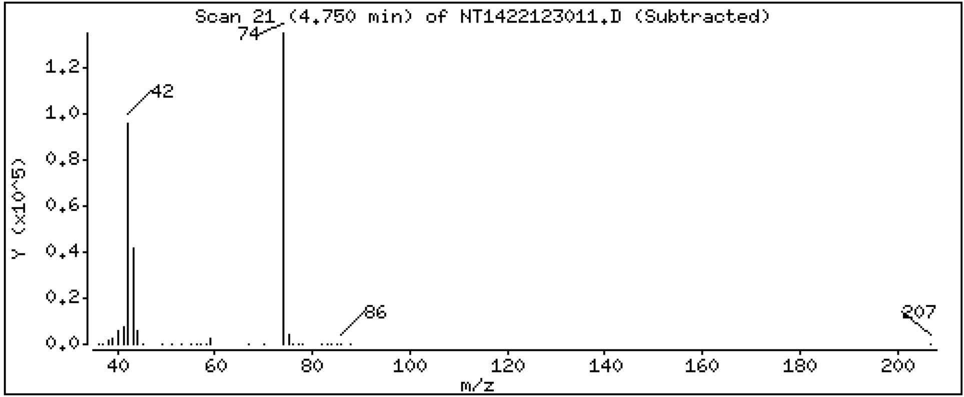
Operator: VTS

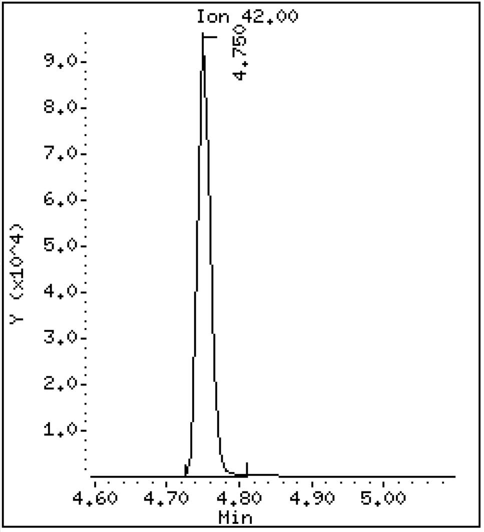
Column phase: ZB-5msi Column diameter: 0.25

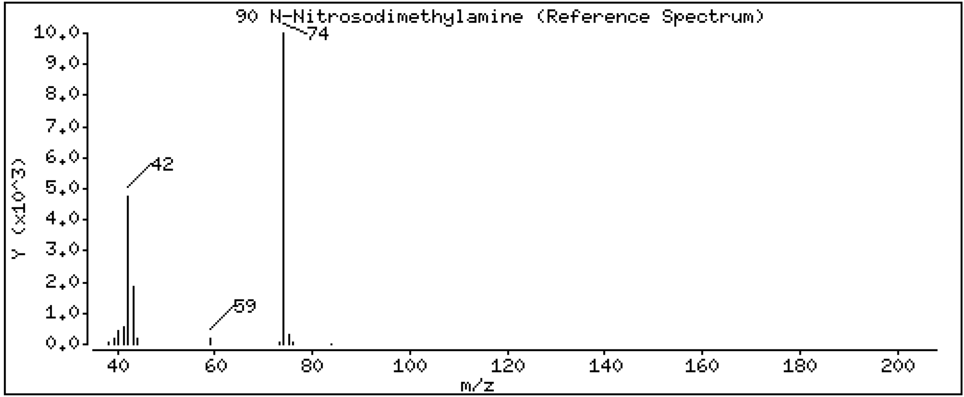
90 N-Nitrosodimethylamine Concentration: 5.154 ug/mL

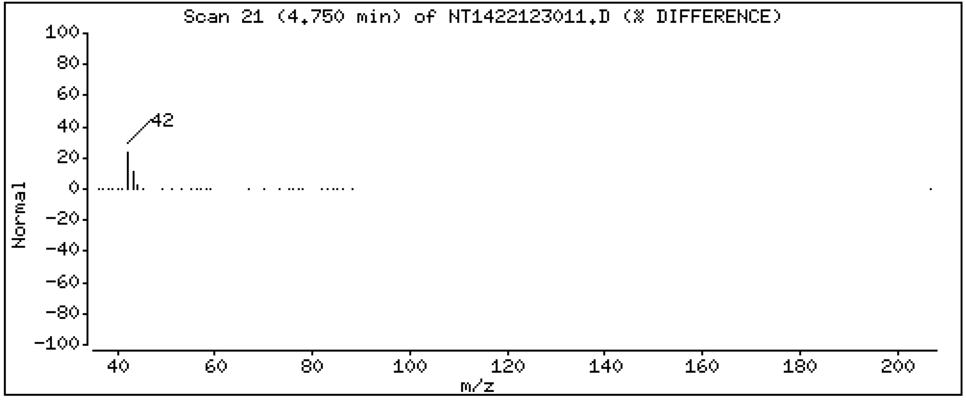

Scan 21 (4.750 min) of NT1422123011.D


Ion 74.00


Scan 21 (4.750 min) of NT1422123011.D (Subtracted)


Ion 42.00


90 N-Nitrosodimethylamine (Reference Spectrum)


Scan 21 (4.750 min) of NT1422123011.D (% DIFFERENCE)

Data File: \\target\share\chem3\nt14.i\20221230.b\NT1422123011.D

Date : 30-DEC-2022 13:31

Client ID:

Instrument: nt14.i

Sample Info: SKL0355-SCV1

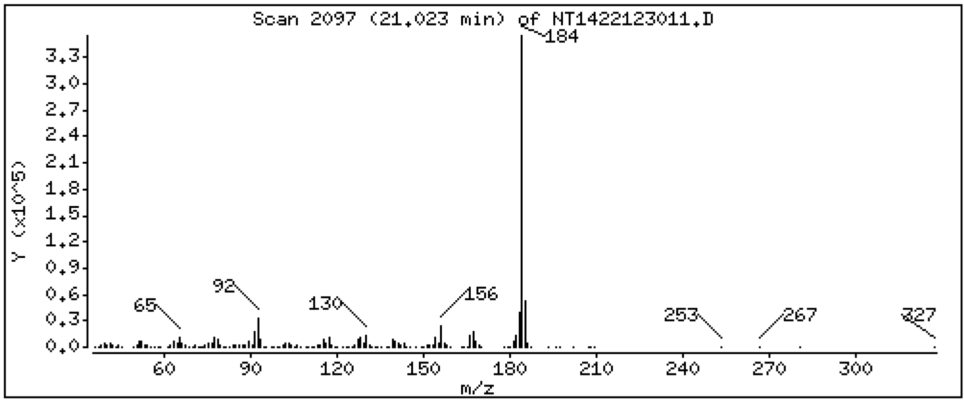
Operator: VTS

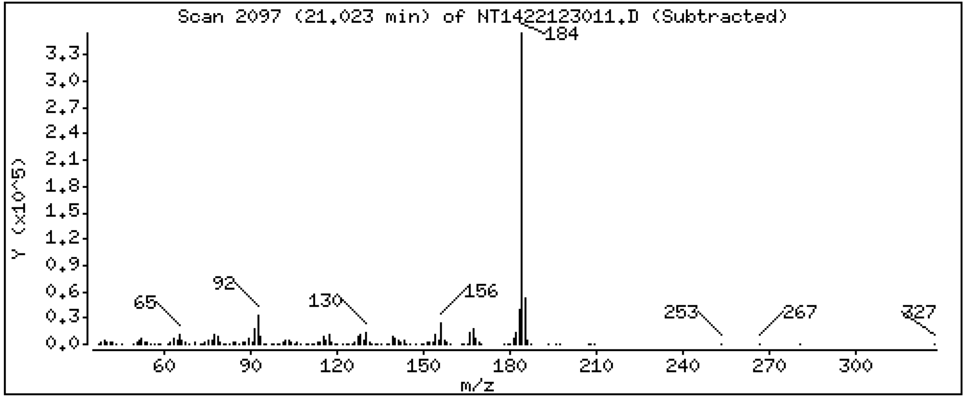
Column phase: ZB-5msi

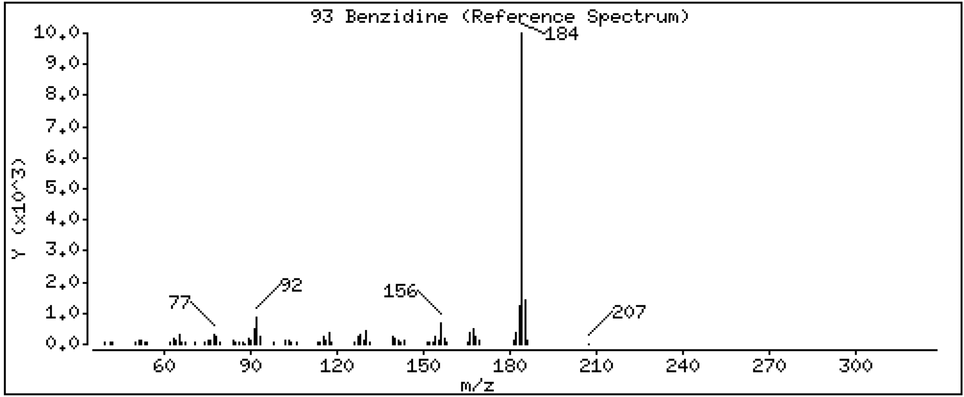
Column diameter: 0.25

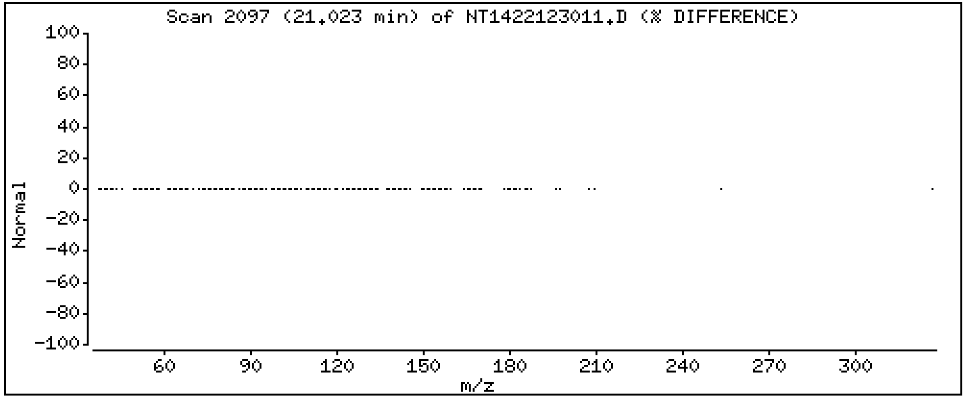
93 Benzidine

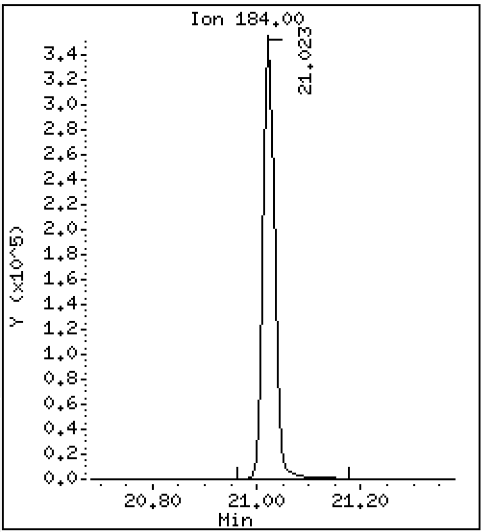
Concentration: 9.704 ug/mL

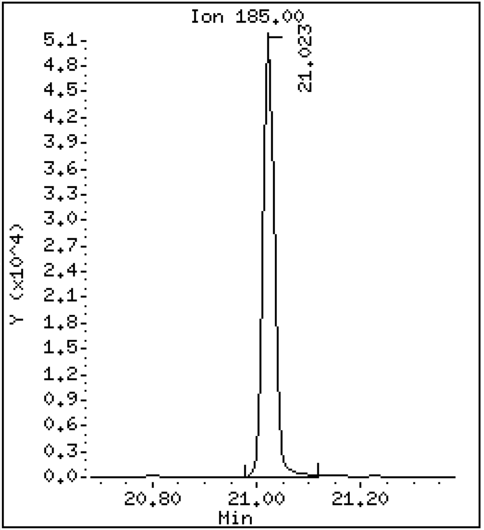

Scan 2097 (21.023 min) of NT1422123011.D


Scan 2097 (21.023 min) of NT1422123011.D (Subtracted)


93 Benzidine (Reference Spectrum)


Scan 2097 (21.023 min) of NT1422123011.D (% DIFFERENCE)


Ion 184.00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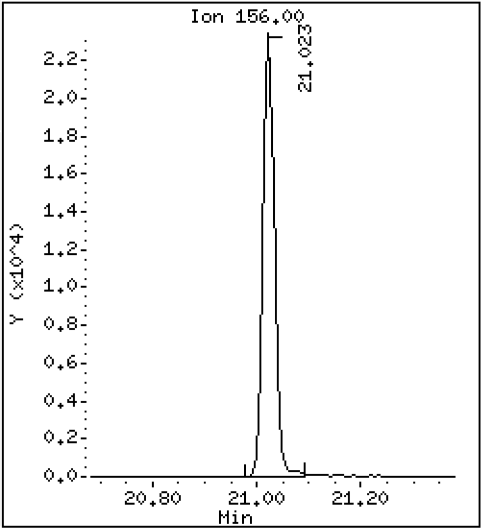
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Data File: \\target\share\chem3\nt14.i\20221230.b\NT1422123011.D

Date : 30-DEC-2022 13:31

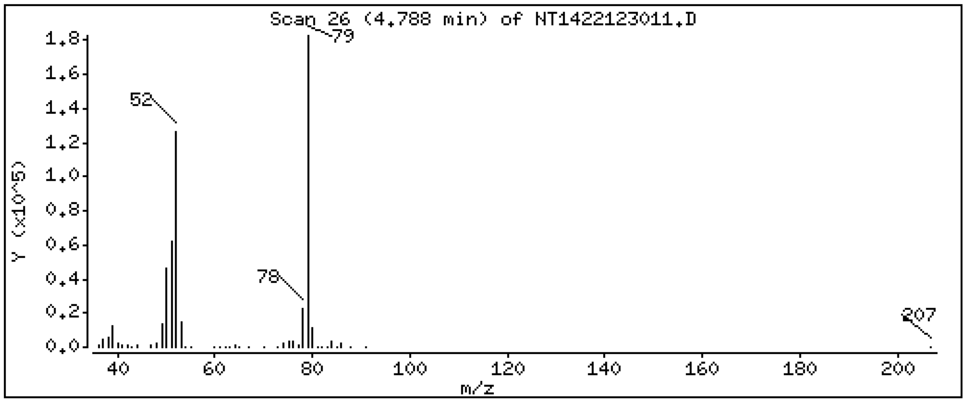
Client ID: Instrument: nt14.i

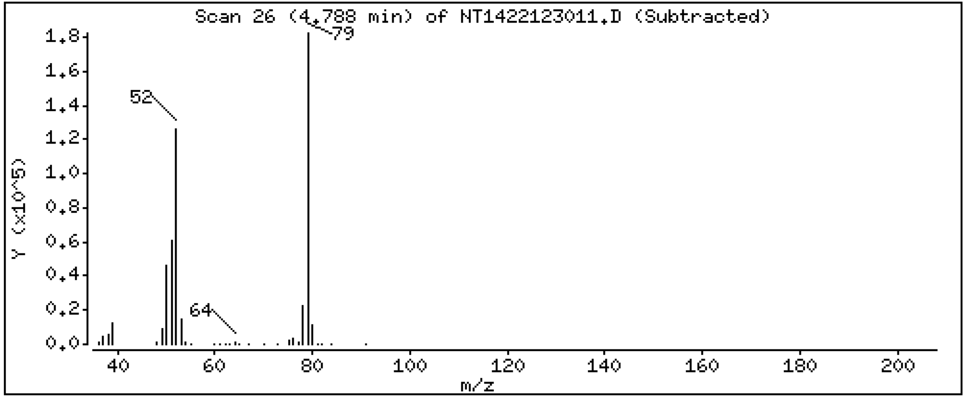
Sample Info: SKL0355-SCV1

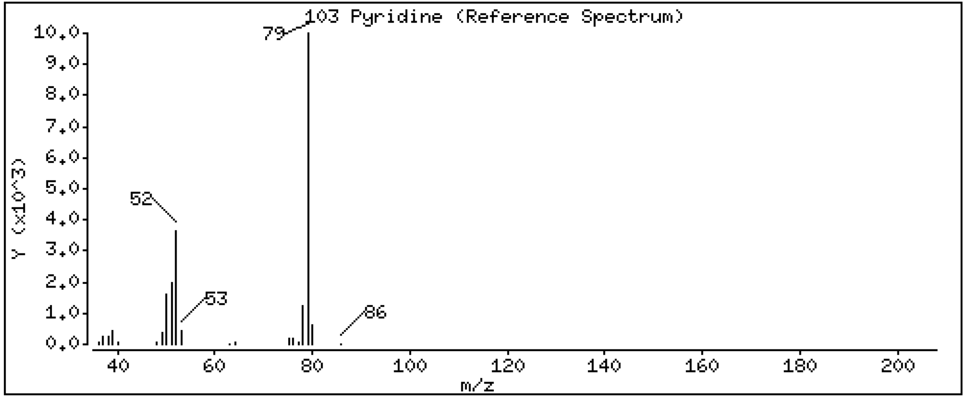
Operator: VTS

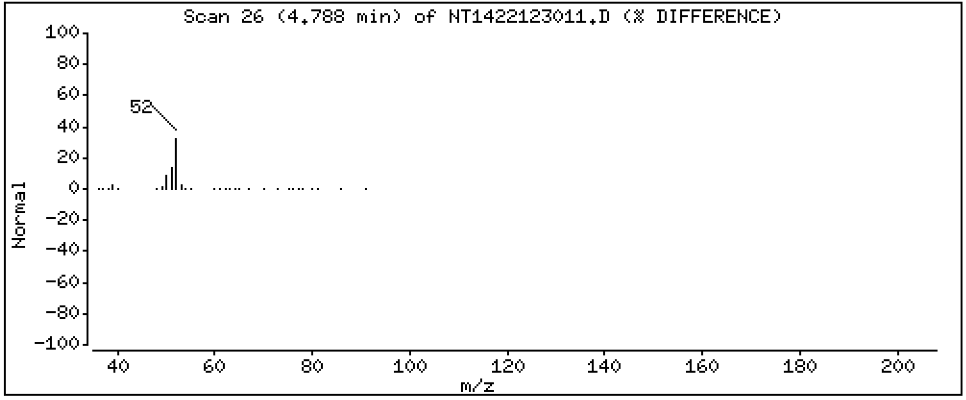
Column phase: ZB-5msi Column diameter: 0.25

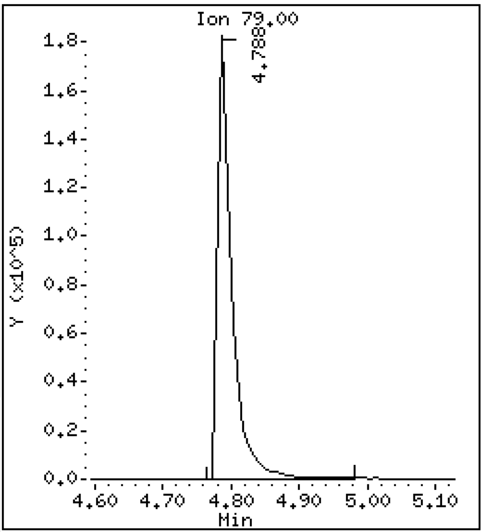
103 Pyridine Concentration: 2.681 ug/mL


Scan 26 (4.788 min) of NT1422123011.D


Scan 26 (4.788 min) of NT1422123011.D (Subtracted)


103 Pyridine (Reference Spectrum)


Scan 26 (4.788 min) of NT1422123011.D (% DIFFERENCE)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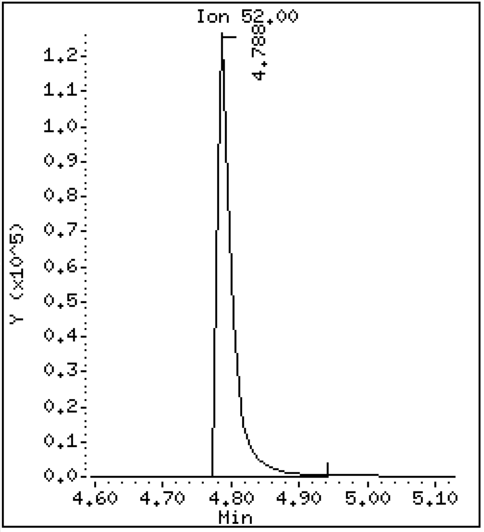

Ion 52.00

Data File: \\target\share\chem3\nt14.i\20221230.b\NT1422123011.D

Date : 30-DEC-2022 13:31

Client ID:

Instrument: nt14.i

Sample Info: SKL0355-SCV1

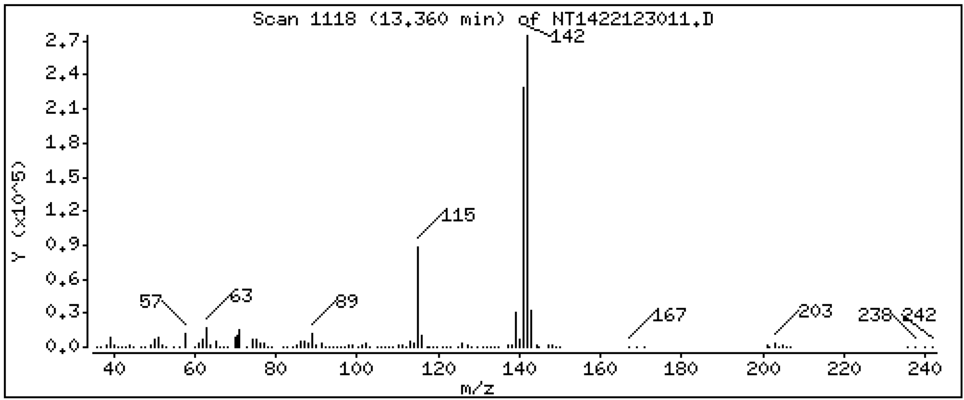
Operator: VTS

Column phase: ZB-5msi

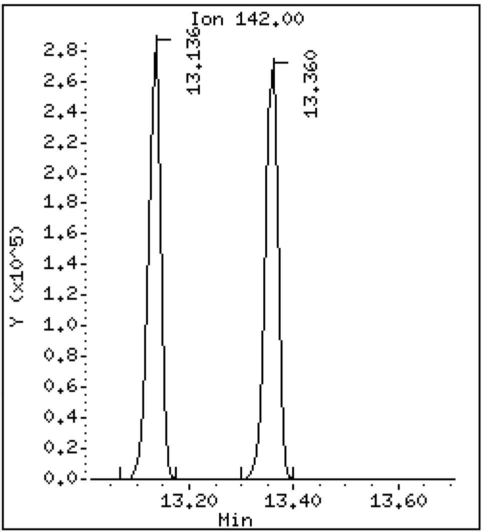
Column diameter: 0.25

105 1-methylnaphthalene

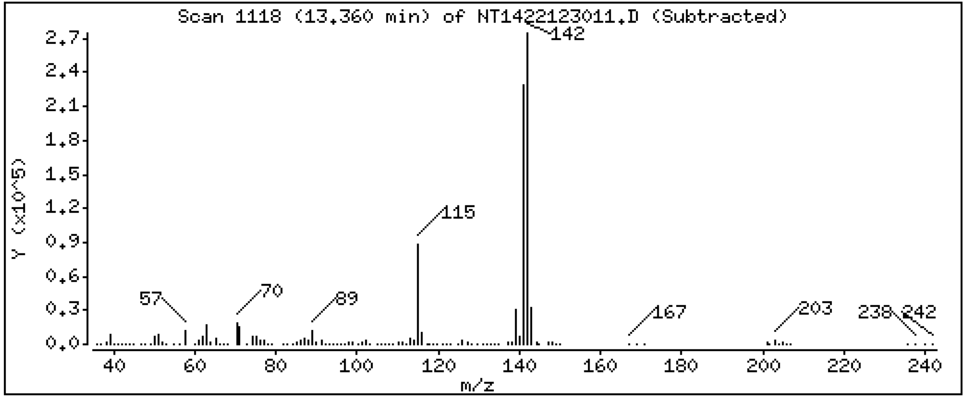
Concentration: 4.671 ug/mL



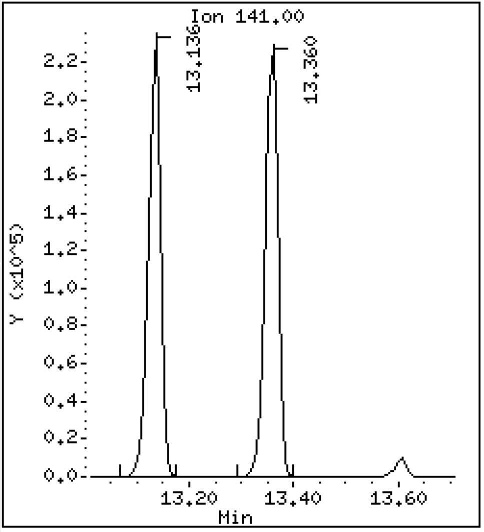
Scan 1118 (13.360 min) of NT1422123011.D



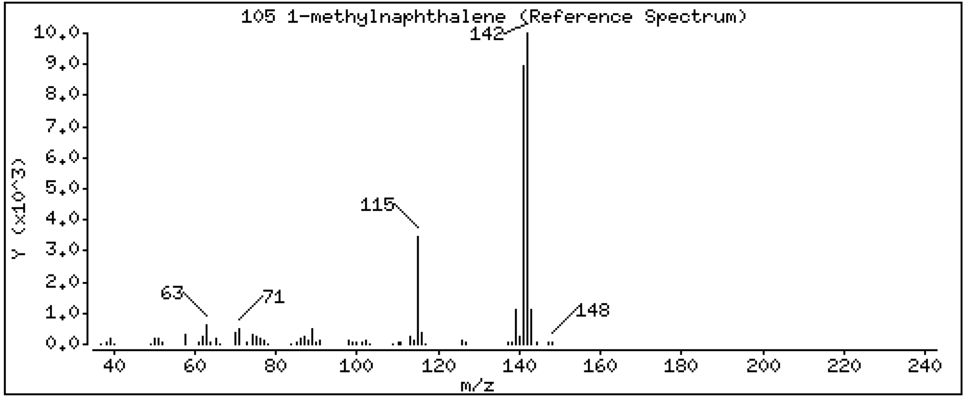
Ion 142.00



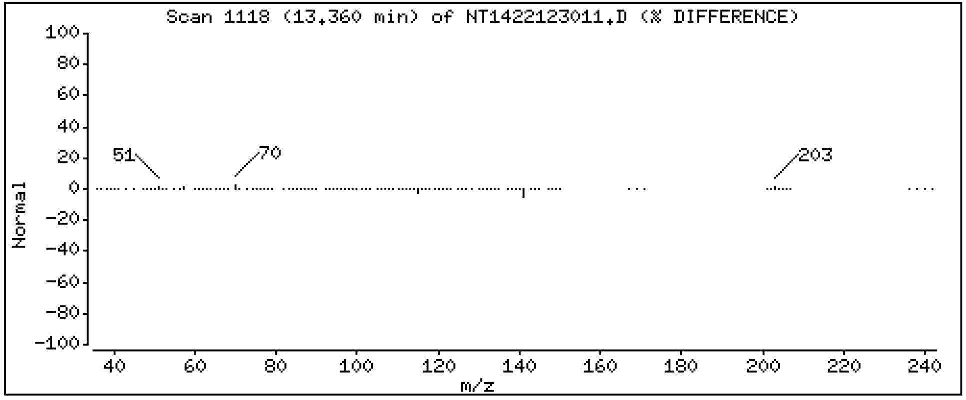
Scan 1118 (13.360 min) of NT1422123011.D (Subtracted)



Ion 141.00



105 1-methylnaphthalene (Reference Spectrum)



Scan 1118 (13.360 min) of NT1422123011.D (% DIFFERENCE)

Data File: \\target\share\chem3\nt14.i\20221230.b\NT1422123011.D

Date : 30-DEC-2022 13:31

Client ID:

Instrument: nt14.i

Sample Info: SKL0355-SCV1

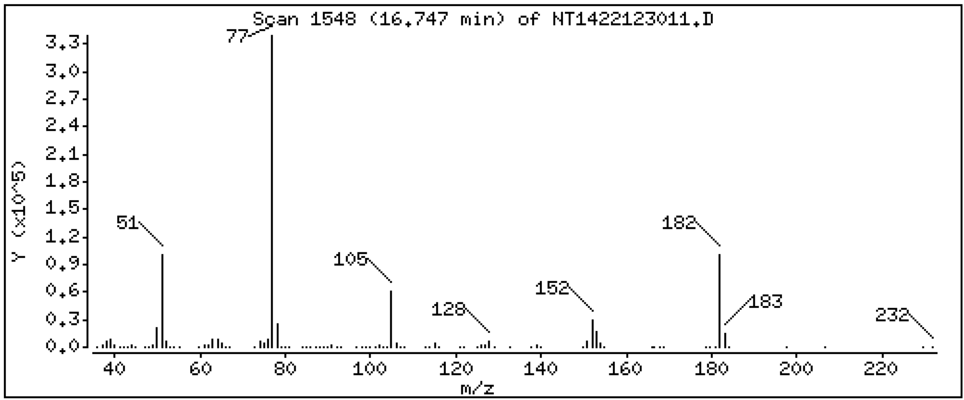
Operator: VTS

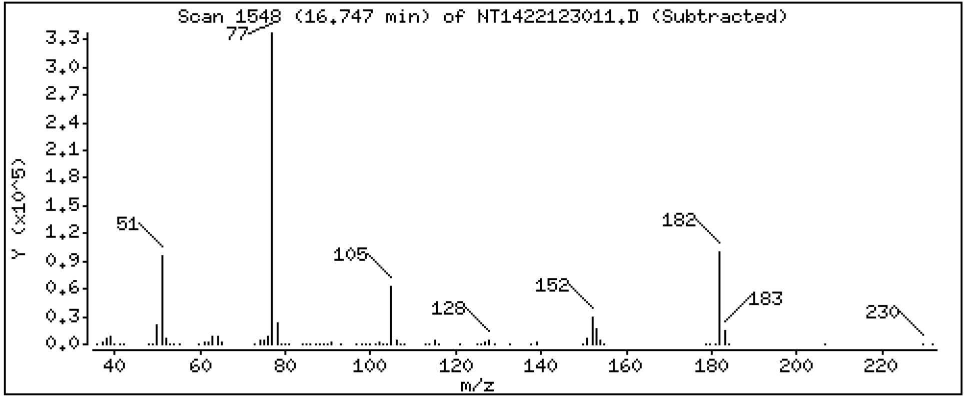
Column phase: ZB-5msi

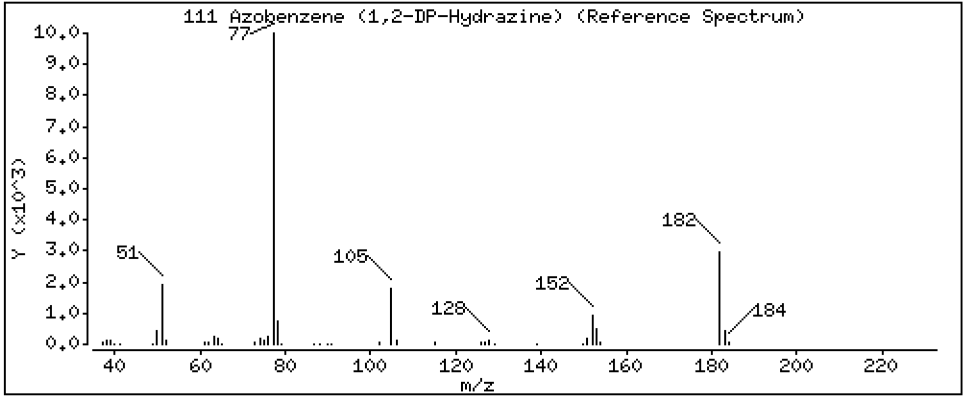
Column diameter: 0.25

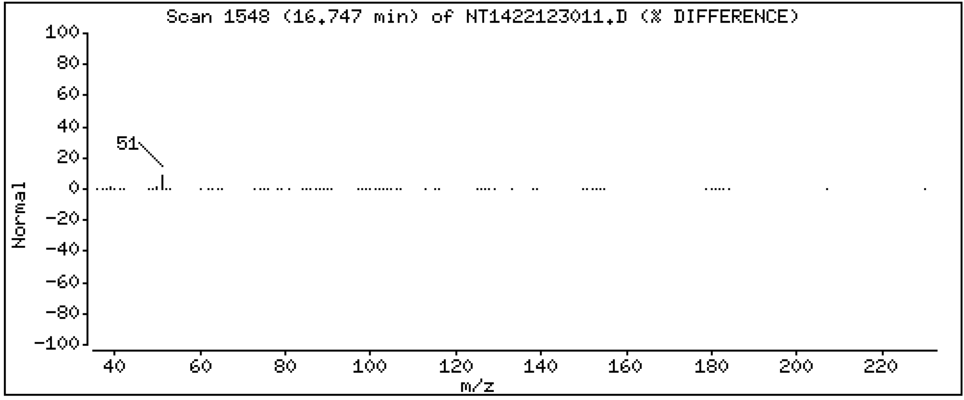
111 Azobenzene (1,2-DP-Hydrazine)

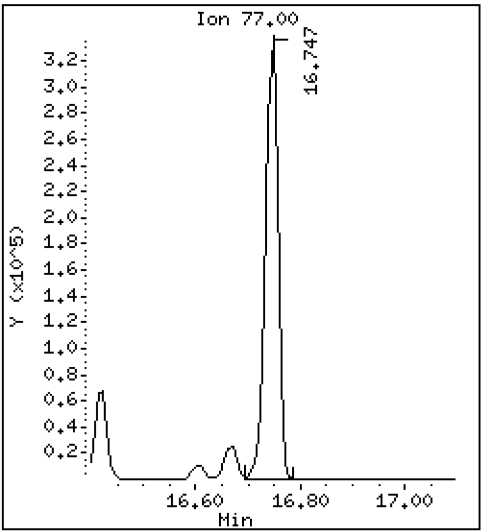
Concentration: 4.893 ug/mL

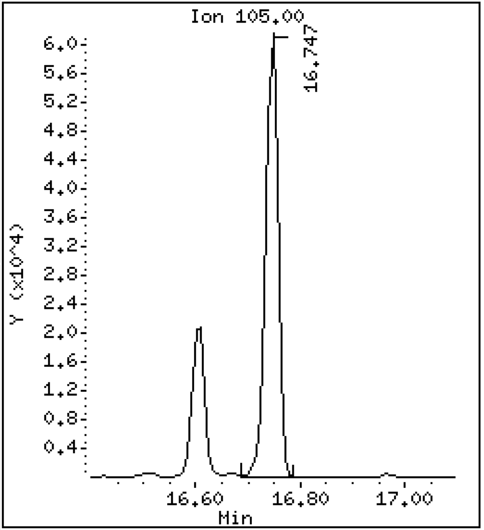

Scan 1548 (16.747 min) of NT1422123011.D

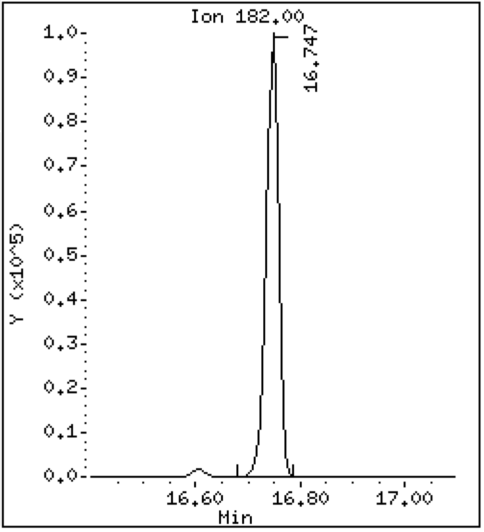

Scan 1548 (16.747 min) of NT1422123011.D (Subtracted)


111 Azobenzene (1,2-DP-Hydrazine) (Reference Spectrum)


Scan 1548 (16.747 min) of NT1422123011.D (% DIFFERENCE)


Ion 77.00


Ion 105.00


Ion 182.00

Data File: \\target\share\chem3\nt14.i\20221230.b\NT1422123011.D

Date : 30-DEC-2022 13:31

Client ID:

Instrument: nt14.i

Sample Info: SKL0355-SCV1

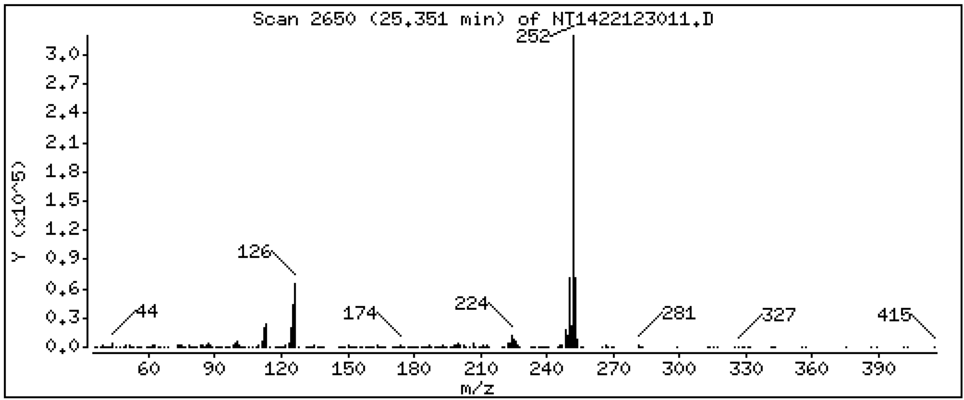
Operator: VTS

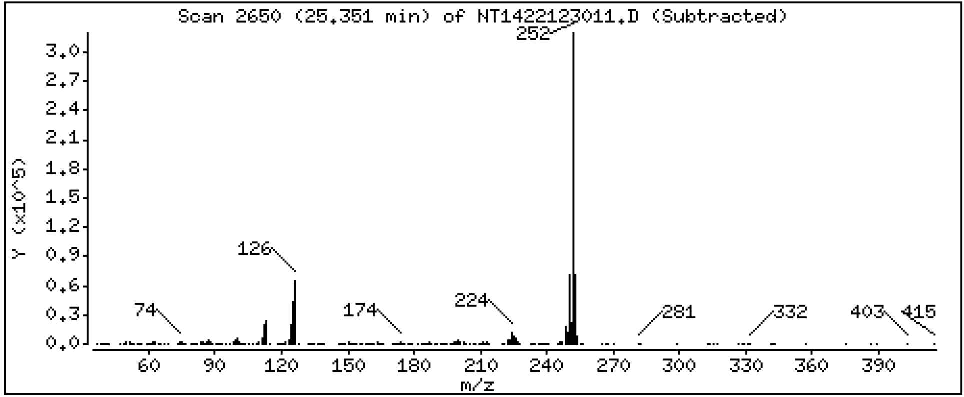
Column phase: ZB-5msi

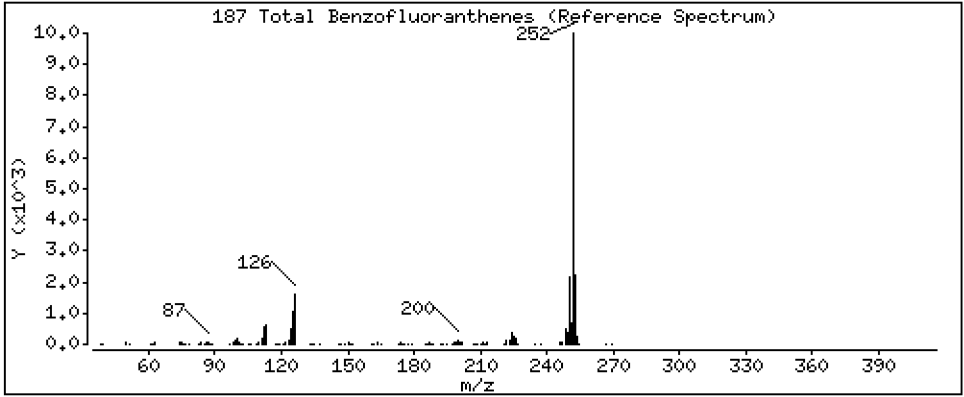
Column diameter: 0.25

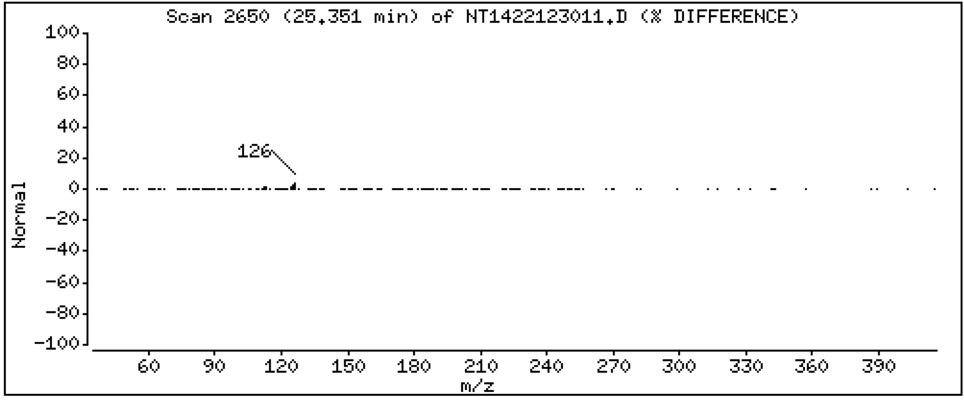
187 Total Benzofluoranthenes

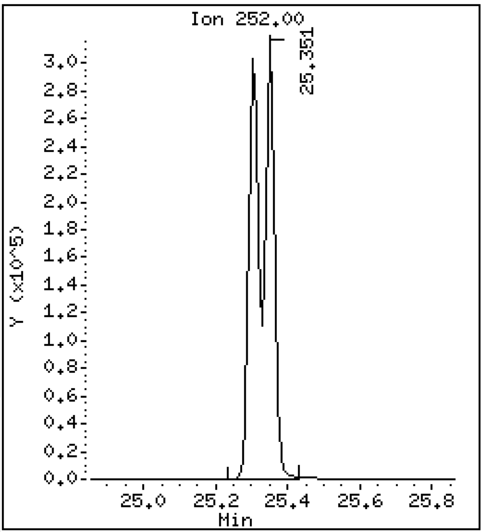
Concentration: 9.972 ug/mL

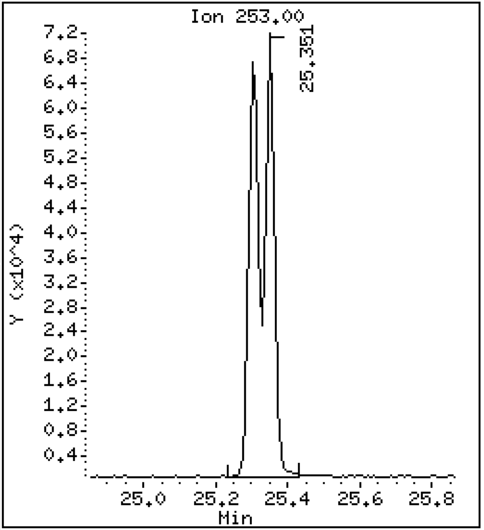


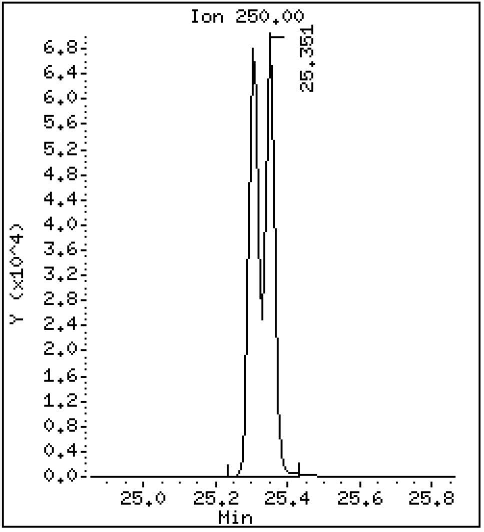












Data File: \\target\share\chem3\nt14.i\20221230.b\NT1422123011.D

Date : 30-DEC-2022 13:31

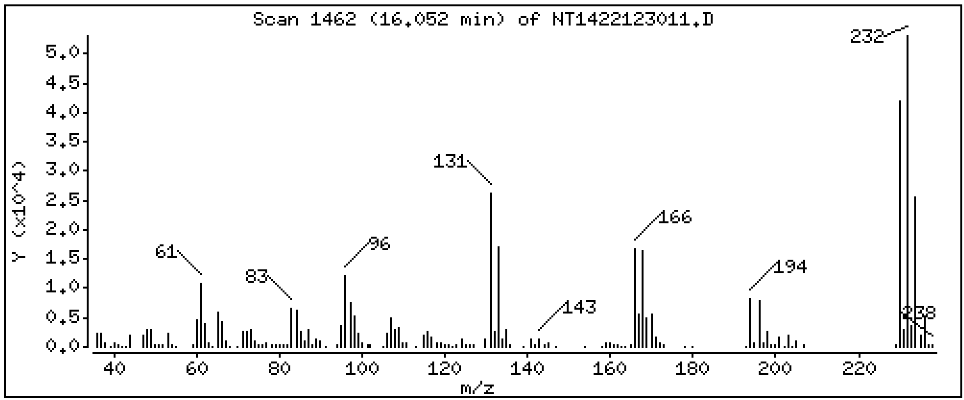
Client ID: Instrument: nt14.i

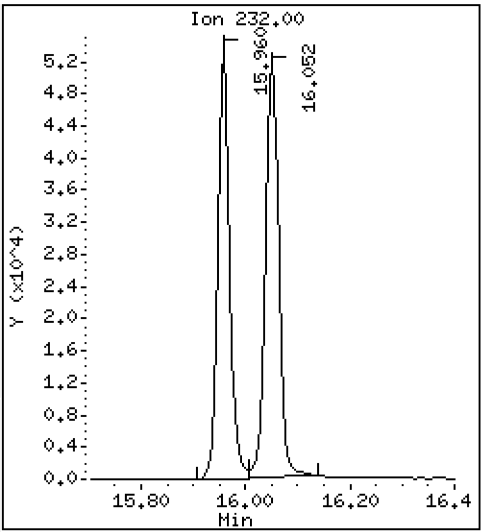
Sample Info: SKL0355-SCV1

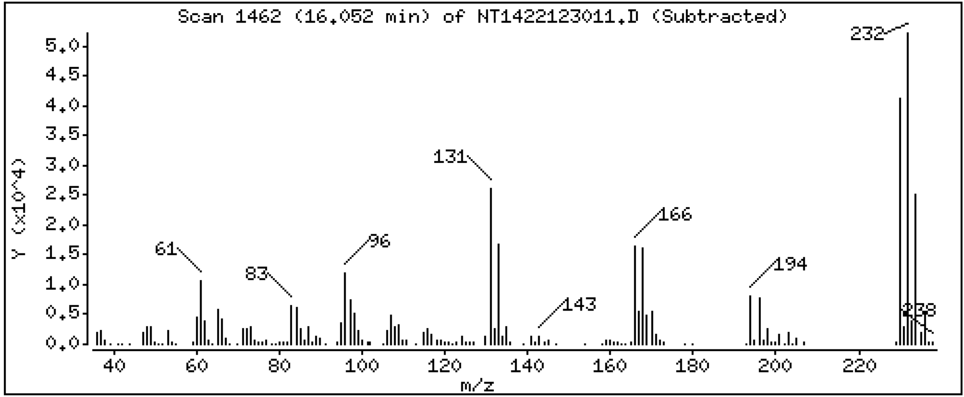
Operator: VTS

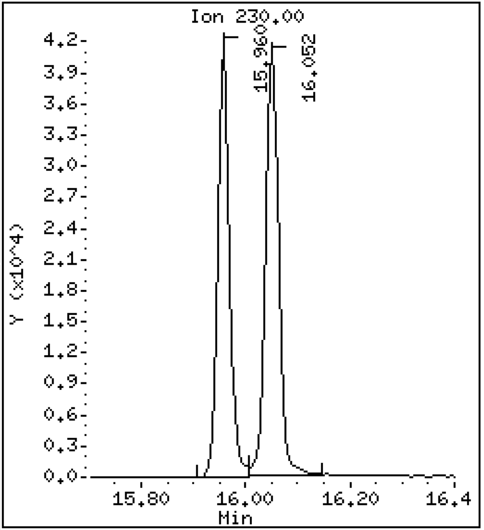
Column phase: ZB-5msi Column diameter: 0.25

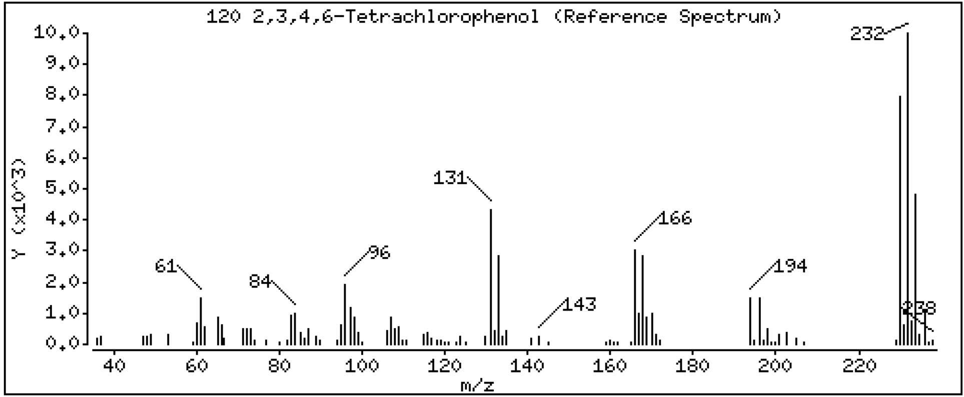
120 2,3,4,6-Tetrachlorophenol Concentration: 4.079 ug/mL

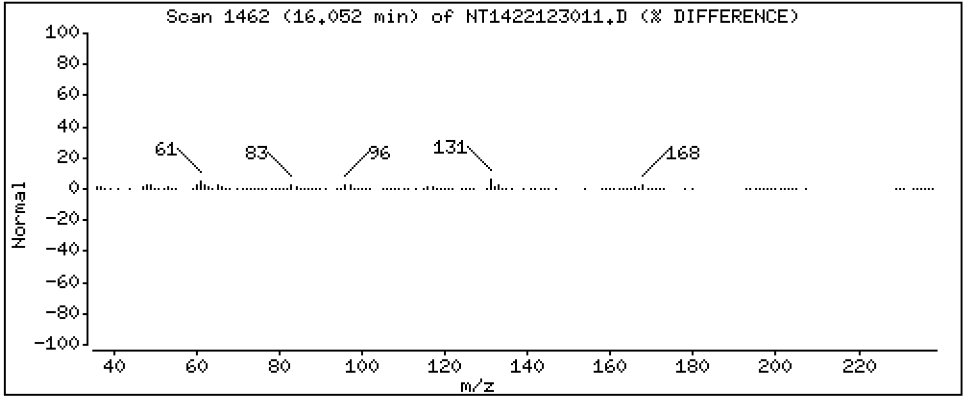


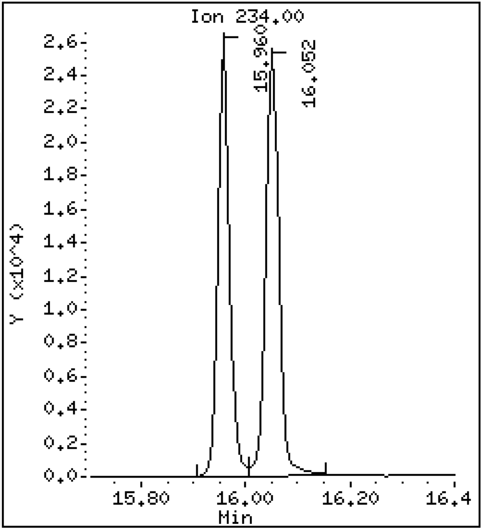












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                                 ARI Labs, Inc.

                     Semivolatile Report SW846 Method 8270D
Data file : \\target\share\chem3\nt14.i\20221230.b\NT1422123011.D
Lab Smp Id: SKL0355-ICV1
Inj Date  : 30-DEC-2022 13:31            MS Autotune Date: 17-MAY-2011 01:22
Operator  : VTS                          Inst ID: nt14.i
Smp Info  : SKL0355-SCV1
Misc Info :
Comment   : 1ul Injection
Method    : \\target\share\chem3\nt14.i\20221230.b\ABN.m
Meth Date : 04-Jan-2023 08:09 van        Quant Type: ISTD
Cal Date  : 30-DEC-2022 11:07            Cal File: NT1422123007.D
Als bottle: 11
Dil Factor: 1.00000
Integrator: HP RTE                       Compound Sublist: ICAL.sub
Target Version:  4.14
Processing Host: VANS-201906


                                                                                          CONCENTRATIONS
                                      QUANT SIG                                         ON-COLUMN    FINAL
Compounds                               MASS           RT   EXP RT   REL RT  RESPONSE    (ug/mL)    (ug/mL)
==========================              ====         ==== ======== ======== ========     =======    =======
$   1 2-Fluorophenol                     112         6.935    6.934 (0.755)    340542    7.31681      7.317
$   2 Phenol-d5                           99         8.526    8.526 (0.928)    425409    7.39610      7.396
    3 Phenol                              94         8.550    8.549 (0.931)    284374    4.35110      4.351
$   5 2-Chlorophenol-d4                  132         8.812    8.820 (0.960)    353505    7.31802      7.318
    4 Bis(2-Chloroethyl)ether             93         8.720    8.719 (0.949)    229408    5.09546      5.095
    6 2-Chlorophenol                     128         8.843    8.843 (0.963)    236672    4.46115      4.461
    7 1,3-Dichlorobenzene                146         9.122    9.121 (0.993)    267449    4.75416      4.754
*   8 1,4-Dichlorobenzene-d4             152         9.184    9.183 (1.000)    145276    4.00000
    9 1,4-Dichlorobenzene                146         9.215    9.214 (1.003)    254370    4.77289      4.773
$  10 1,2-Dichlorobenzene-d4             152         9.548    9.548 (1.040)    157368    4.76640      4.766
   12 1,2-Dichlorobenzene                146         9.572    9.571 (1.042)    249154    4.76694      4.767
   11 Benzyl alcohol                     108         9.447    9.447 (1.029)    144889    4.97978      4.980
   14 2,2'-oxybis(1-Chloropropane)       121         9.758    9.758 (1.063)     78691    5.19294      5.193
   13 2-Methylphenol                     108         9.673    9.672 (1.053)    186498    3.92700      3.927
   17 Hexachloroethane                   117        10.177   10.177 (1.108)     96618    4.92918      4.929
   16 N-Nitroso-di-n-propylamine          70        10.014   10.014 (1.090)    148366    5.12841      5.128
   15 4-Methylphenol                     108         9.952    9.944 (1.084)    206520    4.12221      4.122
$  18 Nitrobenzene-d5                     82        10.278   10.285 (0.879)    222732    4.86182      4.862
   19 Nitrobenzene                        77        10.317   10.316 (0.883)    222014    4.87964      4.880
   20 Isophorone                          82        10.767   10.774 (0.921)    402784    6.94605      6.946
   21 2-Nitrophenol                      139        10.953   10.953 (0.937)    131718    4.55573      4.556
   22 2,4-Dimethylphenol                 107        11.000   10.999 (0.941)    173928    3.66274      3.663
   23 Bis(2-Chloroethoxy)methane          93        11.201   11.201 (0.958)    255794    5.67041      5.670
   24 Benzoic acid                       105        11.155   11.201 (0.954)    187105    6.38476      6.385
   25 2,4-Dichlorophenol                 162        11.403   11.410 (0.976)    175656    4.38838      4.388
   26 1,2,4-Trichlorobenzene             180        11.604   11.604 (0.993)    197978    4.57428      4.574
*  27 Naphthalene-d8                     136        11.689   11.688 (1.000)    542519    4.00000
   28 Naphthalene                        128        11.727   11.735 (1.003)    642406    4.81161      4.812
   29 4-Chloroaniline                    127        11.851   11.858 (1.014)    211901    3.84856      3.849
   30 Hexachlorobutadiene                225        12.098   12.098 (1.035)    103565    4.82279      4.823
   31 4-Chloro-3-methylphenol            107        12.810   12.818 (1.096)    170811    4.52201      4.522
   32 2-Methylnaphthalene                142        13.135   13.135 (1.124)    452041    4.61574      4.616
   33 Hexachlorocyclopentadiene          237        13.607   13.607 (0.888)    112264    5.08058      5.081
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                                                                                     CONCENTRATIONS
                                      QUANT SIG                                   ON-COLUMN   FINAL
Compounds                               MASS        RT    EXP RT   REL RT  RESPONSE   (ug/mL)    (ug/mL)
==========================              ====      ==== ======== ======== ========   =======    =======
   34 2,4,6-Trichlorophenol              196      13.754  13.754 (0.897)    107518    4.40679      4.407
   35 2,4,5-Trichlorophenol              196      13.824  13.824 (0.902)    120450    4.27752      4.278
$  36 2-Fluorobiphenyl                   172      13.917  13.916 (0.908)    473396    4.81670      4.817
   37 2-Chloronaphthalene                162      14.134  14.133 (0.922)    397460    4.75373      4.754
   38 2-Nitroaniline                      65      14.381  14.389 (0.938)    110847    5.04270      5.043
   39 Dimethylphthalate                  163      14.815  14.822 (0.967)    414043    5.02258      5.023
   40 Acenaphthylene                     152      15.008  15.008 (0.979)    637390    4.99964      5.000
   41 2,6-Dinitrotoluene                 165      14.954  14.954 (0.976)     95155    5.11473      5.115
*  42 Acenaphthene-d10                   164      15.325  15.325 (1.000)    292314    4.00000
   43 3-Nitroaniline                     138      15.233  15.240 (0.994)    115042    5.08768      5.088
   44 Acenaphthene                       153      15.387  15.394 (1.004)    388683    4.91555      4.916
   45 2,4-Dinitrophenol                  184      15.449  15.456 (1.008)     32313    2.03614      2.036
   46 Dibenzofuran                       168      15.720  15.719 (1.026)    558398    4.70917      4.709
   47 4-Nitrophenol                      109      15.542  15.549 (1.014)     44501    4.07655      4.077
   48 2,4-Dinitrotoluene                 165      15.766  15.765 (1.029)    126494    4.95564      4.956
   50 Diethylphthalate                   149      16.276  16.283 (1.062)    599841    5.35338      5.353
   49 Fluorene                           166      16.431  16.438 (1.072)    659773    5.23034      5.230
   51 4-Chlorophenyl-phenylether         204      16.423  16.423 (1.072)    314576    5.09376      5.094
   52 4-Nitroaniline                     138      16.508  16.515 (1.077)    130156    4.73349      4.733
   53 4,6-Dinitro-2-methylphenol         198      16.608  16.615 (0.904)     82579    4.08155      4.082
   54 N-Nitrosodiphenylamine             169      16.670  16.669 (0.907)    391689    4.77466      4.775
$  55 2,4,6-Tribromophenol               330      16.963  16.970 (1.107)    103080    7.23936      7.239
   56 4-Bromophenyl-phenylether          248      17.425  17.433 (0.949)    153403    4.93837      4.938
   57 Hexachlorobenzene                  284      17.750  17.749 (0.966)    155193    4.55261      4.553
   58 Pentachlorophenol                  266      18.098  18.106 (0.985)     57071    3.79567      3.796
*  59 Phenanthrene-d10                   188      18.369  18.376 (1.000)    478070    4.00000
   60 Phenanthrene                       178      18.423  18.423 (1.003)    594211    4.76715      4.767
   61 Anthracene                         178      18.516  18.516 (1.008)    520344    4.37286      4.373
   62 Carbazole                          167      18.833  18.841 (1.025)    531516    4.62047      4.620
   63 Di-n-butylphthalate                149      19.630  19.630 (1.069)    666827    4.93141      4.931
   64 Fluoranthene                       202      20.798  20.806 (0.888)    676060    5.09000      5.090
   65 Pyrene                             202      21.224  21.231 (0.906)    701324    5.02201      5.022
$  66 Terphenyl-d14                      244      21.503  21.510 (0.918)    476897    4.81614      4.816
   67 Butylbenzylphthalate               149      22.424  22.423 (0.958)    268323    5.00461      5.005
   68 Benzo(a)anthracene                 228      23.384  23.384 (0.999)    611047    4.88991      4.890
*  69 Chrysene-d12                       240      23.415  23.415 (1.000)    412507    4.00000
   70 3,3'-Dichlorobenzidine             252      23.330  23.329 (0.996)    352190    9.20673      9.207
   71 Chrysene                           228      23.454  23.461 (1.002)    562245    4.76333      4.763
   72 bis(2-Ethylhexyl)phthalate         149      23.446  23.446 (0.959)    386843    5.89917      5.899
* 134 Di-n-octylphthalate-d4             153      24.437  24.437 (1.000)    590464    4.00000
   73 Di-n-octylphthalate                149      24.445  24.452 (1.000)    720505    5.08341      5.083
   74 Benzo(b)fluoranthene               252      25.304  25.311 (0.969)    583736    4.89261      4.893
   75 Benzo(k)fluoranthene               252      25.350  25.358 (0.971)    618510    5.09341      5.093
   76 Benzo(a)pyrene                     252      25.985  25.985 (0.996)    505003    5.09168      5.092
*  77 Perylene-d12                       264      26.102  26.101 (1.000)    379639    4.00000
   78 Indeno(1,2,3-cd)pyrene             276      28.861  28.869 (1.106)    578206    5.12831      5.128
   79 Dibenzo(a,h)anthracene             278      28.869  28.876 (1.106)    487403    5.08716      5.087
   80 Benzo(g,h,i)perylene               276      29.677  29.684 (1.137)    475788    5.03737      5.037
   90 N-Nitrosodimethylamine              74       4.749   4.749 (0.517)    165220    5.15442      5.154
   91 Aniline                              93          Compound Not Detected.
   93 Benzidine                          184      21.023  21.030 (0.898)    511157    9.70402      9.704
  103 Pyridine                            79       4.788   4.780 (0.521)    273100    2.68129      2.681
  105 1-methylnaphthalene                142      13.360  13.359 (1.143)    439557    4.67125      4.671
  111 Azobenzene (1,2-DP-Hydrazine)       77      16.747  16.746 (1.093)    531158    4.89310      4.893
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                                                                                              CONCENTRATIONS
                                        QUANT SIG                                           ON-COLUMN    FINAL
Compounds                                 MASS          RT    EXP RT   REL RT  RESPONSE     (ug/mL)    (ug/mL)
===========================               ====        ==== ======== ======== ========     =======    =======
  187 Total Benzofluoranthenes             252      25.350   25.358 (0.971)   1150223     9.97185      9.972
  120 2,3,4,6-Tetrachlorophenol            232      16.052   16.051 (1.047)     86828     4.07937      4.079
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Data File: \\target\share\chem3\nt14.i\20221230.b\NT1422123011.D Page 1
Report Date: 04-Jan-2023 08:10

ARI Labs, Inc.

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: nt14.i
Lab File ID: NT1422123011.D
Lab Smp Id: SKL0355-ICV1
Analysis Type: SV
Quant Type: ISTD
Operator: VTS
Method File: \\target\share\chem3\nt14.i\20221230.b\ABN.m
Misc Info:

Calibration Date: 30-DEC-2022
Calibration Time: 08:06
Level:
Sample Type:

Test Mode:
Use Last Continuing Calibrator.

		AREA LIMIT			
COMPOUND	STANDARD	LOWER	UPPER	SAMPLE	%DIFF
8 1,4-Dichlorobenze	151013	75507	302026	145276	-3.80
27 Naphthalene-d8	553510	276755	1107020	542519	-1.99
42 Acenaphthene-d10	305411	152706	610822	292314	-4.29
59 Phenanthrene-d10	491708	245854	983416	478070	-2.77
69 Chrysene-d12	424740	212370	849480	412507	-2.88
134 Di-n-octylphthala	684951	342476	1369902	590464	-13.79
77 Perylene-d12	395150	197575	790300	379639	-3.93

		RT LIMIT			
COMPOUND	STANDARD	LOWER	UPPER	SAMPLE	%DIFF
8 1,4-Dichlorobenze	9.18	8.68	9.68	9.18	0.00
27 Naphthalene-d8	11.69	11.19	12.19	11.69	0.00
42 Acenaphthene-d10	15.33	14.83	15.83	15.33	0.00
59 Phenanthrene-d10	18.38	17.88	18.88	18.37	-0.04
69 Chrysene-d12	23.42	22.92	23.92	23.42	0.00
134 Di-n-octylphthala	24.44	23.94	24.94	24.44	0.00
77 Perylene-d12	26.10	25.60	26.60	26.10	0.00

AREA UPPER LIMIT = +100% of internal standard area.
AREA LOWER LIMIT = - 50% of internal standard area.
RT UPPER LIMIT = + 0.50 minutes of internal standard RT.
RT LOWER LIMIT = - 0.50 minutes of internal standard RT.

```
REVIEW SUMMARY FOR FILE - NT1422123011.D

Lab ID: SKL0355-ICV1
nt14.i,  20221230.b\ABN.m,    30-DEC-2022 13:31


     RT      CO-ELUTION COMPOUNDS
---------------------------------------------------------------------------

            NO CO-ELUTIONS


Quant Method: ICAL



        RRT CHECK

   RRT    CCV RRT   DELTA    COMPOUND
 -------------------------------------

   NONE

  RRT check based on Ccal File: NT1422123002.D


 On Column LOD for nt14.i, 20221230.b\ABN.m, ICAL.sub = 0.0000



 * Only compounds listed in the work order have been verified by the analyst *
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INITIAL CALIBRATION CHECK

EPA 8270E

Laboratory:	Analytical Resources, LLC	SDG:	22L0307
Client:	Anchor QEA, LLC	Project:	AOC4 UR Phase 3
Instrument ID:	NT14	Calibration:	FL00066
Lab File ID:	NT1422123014.D	Calibration Date:	12/30/2022
Sequence:	SKL0355	Injection Date:	12/30/22
Lab Sample ID:	SKL0355-ICV2	Injection Time:	15:53
Sequence Name:	ABN 5		

		CONC. (ug/mL)		RESPONSE FACTOR			% DRIFT/DIFF	
COMPOUND	TYPE	STD	ICV	ICAL	ICV	MIN	ICV	LIMIT
Phenol	A	5.0000	4.8	1.7995200	1.7186490		-4.5	+/-20
bis(2-chloroethyl) ether	A	5.0000	4.7	1.2396270	1.1687670		-5.7	+/-20
2-Chlorophenol	A	5.0000	4.7	1.4607190	1.3681350		-6.3	+/-20
1,3-Dichlorobenzene	A	5.0000	4.6	1.5489360	1.4109450		-8.9	+/-20
1,4-Dichlorobenzene	A	5.0000	4.6	1.4674070	1.3357980		-9.0	+/-20
1,2-Dichlorobenzene	A	5.0000	4.6	1.4391100	1.3306780		-7.5	+/-20
Benzyl Alcohol	A	5.0000	5.0	0.8011083	0.7946779		-0.8	+/-20
2,2'-Oxybis(1-chloropropane)	A	5.0000	3.7	0.4172325	0.3114626		-25.4	+/-20
2-Methylphenol	A	5.0000	4.9	1.3076140	1.2704620		-2.8	+/-20
Hexachloroethane	A	5.0000	4.8	0.5396966	0.5156443		-4.5	+/-20
N-Nitroso-di-n-Propylamine	A	5.0000	5.2	0.7965591	0.8215703		3.1	+/-20
4-Methylphenol	A	5.0000	4.9	1.3794240	1.3507770		-2.1	+/-20
Nitrobenzene	A	5.0000	4.8	0.3354574	0.3249964		-3.1	+/-20
Isophorone	A	5.0000	5.1	0.4275424	0.4360834		2.0	+/-20
2-Nitrophenol	A	5.0000	4.7	0.2064997	0.2006646		-6.0	+/-20
2,4-Dimethylphenol	A	10.000	9.5	0.3501131	0.3313579		-5.4	+/-20
Bis(2-Chloroethoxy)methane	A	5.0000	4.6	0.3325989	0.3091756		-7.0	+/-20
2,4-Dichlorophenol	A	10.000	10.0	0.2951237	0.2957658		0.2	+/-20
1,2,4-Trichlorobenzene	A	5.0000	4.5	0.3191088	0.2849054		-10.7	+/-20
Naphthalene	A	5.0000	4.6	0.9843833	0.9012306		-8.4	+/-20
Benzoic acid	A	20.000	17.4	0.1508906	0.1927720		-13.1	+/-20
4-Chloroaniline	A	10.000	9.7	0.4059568	0.3950751		-2.7	+/-20
Hexachlorobutadiene	A	5.0000	4.5	0.1583286	0.1436317		-9.3	+/-20
4-Chloro-3-Methylphenol	A	10.000	10.0	0.2785027	0.2790104		0.2	+/-20
2-Methylnaphthalene	A	5.0000	4.7	0.7220739	0.6764344		-6.3	+/-20
Hexachlorocyclopentadiene	A	10.000	9.7	0.3023695	0.2926780		-3.2	+/-20
2,4,6-Trichlorophenol	A	10.000	9.8	0.3338641	0.3282511		-1.7	+/-20
2,4,5-Trichlorophenol	A	10.000	9.9	0.3853234	0.3798122		-1.4	+/-20
2-Chloronaphthalene	A	5.0000	4.6	1.1441150	1.0587470		-7.5	+/-20
2-Nitroaniline	A	10.000	10.7	0.3007956	0.3208828		6.7	+/-20

* Values outside of QC limits

INITIAL CALIBRATION CHECK
EPA 8270E

Laboratory:	Analytical Resources, LLC	SDG:	22L0307
Client:	Anchor QEA, LLC	Project:	AOC4 UR Phase 3
Instrument ID:	NT14	Calibration:	FL00066
Lab File ID:	NT1422123014.D	Calibration Date:	12/30/2022
Sequence:	SKL0355	Injection Date:	12/30/22
Lab Sample ID:	SKL0355-ICV2	Injection Time:	15:53
Sequence Name:	ABN 5		

COMPOUND	TYPE	CONC. (ug/mL) STD	CONC. (ug/mL) ICV	RESPONSE FACTOR ICAL	RESPONSE FACTOR ICV	RESPONSE FACTOR MIN	% DRIFT/DIFF ICV	% DRIFT/DIFF LIMIT
Acenaphthylene	A	5.0000	4.7	1.7445240	1.6444420		-5.7	+/-20
Dimethylphthalate	A	5.0000	4.7	1.1280520	1.0645420		-5.6	+/-20
2,6-Dinitrotoluene	A	10.000	9.9	0.2545771	0.2527094		-0.7	+/-20
Acenaphthene	A	5.0000	4.6	1.0820160	0.9983132		-7.7	+/-20
3-Nitroaniline	A	10.000	9.9	0.3094189	0.3068867		-0.8	+/-20
2,4-Dinitrophenol	A	20.000	17.6	0.1831718	0.1983905		-11.9	+/-20
Dibenzofuran	A	5.0000	4.5	1.6225950	1.4754640		-9.1	+/-20
4-Nitrophenol	A	10.000	9.4	0.1384031	0.1428400		-5.6	+/-20
2,4-Dinitrotoluene	A	10.000	9.9	0.3492859	0.3453545		-1.1	+/-20
Fluorene	A	5.0000	4.9	1.7261350	1.7055820		-1.2	+/-20
4-Chlorophenylphenyl ether	A	5.0000	4.7	0.8450792	0.7886722		-6.7	+/-20
Diethyl phthalate	A	5.0000	5.0	1.5332690	1.5233580		-0.6	+/-20
4-Nitroaniline	A	10.000	9.6	0.3413732	0.3662170		-3.8	+/-20
4,6-Dinitro-2-methylphenol	A	20.000	19.2	0.1530278	0.1682270		-4.0	+/-20
N-Nitrosodiphenylamine	A	5.0000	4.6	0.6863845	0.6341271		-7.6	+/-20
4-Bromophenyl phenyl ether	A	5.0000	4.6	0.2599074	0.2391345		-8.0	+/-20
Hexachlorobenzene	A	5.0000	4.5	0.2852204	0.2573836		-9.8	+/-20
Pentachlorophenol	A	10.000	8.9	0.1128364	0.1152245		-10.9	+/-20
Phenanthrene	A	5.0000	4.6	1.0429190	0.9576970		-8.2	+/-20
Anthracene	A	5.0000	4.9	0.9956202	0.9715587		-2.4	+/-20
Carbazole	A	5.0000	4.7	0.9624945	0.9004501		-6.4	+/-20
Di-n-Butylphthalate	A	5.0000	4.8	1.0394700	1.0864340		-3.9	+/-20
Fluoranthene	A	5.0000	4.9	1.2879410	1.2525890		-2.7	+/-20
Pyrene	A	5.0000	4.8	1.3541610	1.3113600		-3.2	+/-20
Butylbenzylphthalate	A	5.0000	4.9	0.4650792	0.5059756		-2.6	+/-20
Benzo(a)anthracene	A	5.0000	4.8	1.2117210	1.1621750		-4.1	+/-20
3,3'-Dichlorobenzidine	A	15.000	12.3	0.3709370	0.3029352		-18.3	+/-20
Chrysene	A	5.0000	4.7	1.1445730	1.0736030		-6.2	+/-20
bis(2-Ethylhexyl)phthalate	A	5.0000	5.5	0.4442323	0.4858836		9.4	+/-20
Di-n-Octylphthalate	A	5.0000	4.5	0.9601702	0.8720979		-9.2	+/-20

* Values outside of QC limits

INITIAL CALIBRATION CHECK
EPA 8270E

Laboratory:	Analytical Resources, LLC	SDG:	22L0307
Client:	Anchor QEA, LLC	Project:	AOC4 UR Phase 3
Instrument ID:	NT14	Calibration:	FL00066
Lab File ID:	NT1422123014.D	Calibration Date:	12/30/2022
Sequence:	SKL0355	Injection Date:	12/30/22
Lab Sample ID:	SKL0355-ICV2	Injection Time:	15:53
Sequence Name:	ABN 5		

		CONC. (ug/mL)		RESPONSE FACTOR			% DRIFT/DIFF	
COMPOUND	TYPE	STD	ICV	ICAL	ICV	MIN	ICV	LIMIT
Benzofluoranthenes, Total	A	10.000	9.4	1.2153330	1.1416210		-6.1	+/-20
Benzo(a)pyrene	A	5.0000	4.8	1.0450150	1.0073260		-3.6	+/-20
Indeno(1,2,3-cd)pyrene	A	5.0000	4.9	1.1879490	1.1725880		-1.3	+/-20
Dibenzo(a,h)anthracene	A	5.0000	4.8	1.0094890	0.9662532		-4.3	+/-20
Benzo(g,h,i)perylene	A	5.0000	4.9	0.9951726	0.9750521		-2.0	+/-20
1-Methylnaphthalene	A	5.0000	4.7	0.6937882	0.6529617		-5.9	+/-20
2-Fluorophenol	A	7.5000	7.37	1.2814900	1.2598380		-1.7	+/-20
Phenol-d5	A	7.5000	7.46	1.5836890	1.5743540		-0.6	+/-20
2-Chlorophenol-d4	A	7.5000	7.24	1.3300510	1.2841510		-3.5	+/-20
1,2-Dichlorobenzene-d4	A	5.0000	4.68	0.9090592	0.8501916		-6.5	+/-20
Nitrobenzene-d5	A	5.0000	5.01	0.3377760	0.3384311		0.2	+/-20
2-Fluorobiphenyl	A	5.0000	4.64	1.3448860	1.2475250		-7.2	+/-20
2,4,6-Tribromophenol	A	7.5000	6.82	0.1844845	0.1766959		-9.1	+/-20
p-Terphenyl-d14	A	5.0000	4.75	0.9601842	0.9117019		-5.0	+/-20
1,4-Dichlorobenzene-d4	A	4.0000	4.0	37290.1800	1.0000		0.0	
Naphthalene-d8	A	4.0000	4.0	136223.9000	1.0000		0.0	
Acenaphthene-d10	A	4.0000	4.0	73667.8600	1.0000		0.0	
Phenanthrene-d10	A	4.0000	4.0	117990.4000	1.0000		0.0	
Chrysene-d12	A	4.0000	4.0	101321.8000	1.0000		0.0	
Di-n-Octylphthalate-d4	A	4.0000	4.0	149451.2000	1.0000		0.0	
Perylene-d12	A	4.0000	4.0	93469.2100	1.0000		0.0	

* Values outside of QC limits

* Values outside of QC limits

Data File: \\target\share\chem3\nt14.i\20221230.b\NT1422123014.D

Date : 30-DEC-2022 15:53

Client ID:

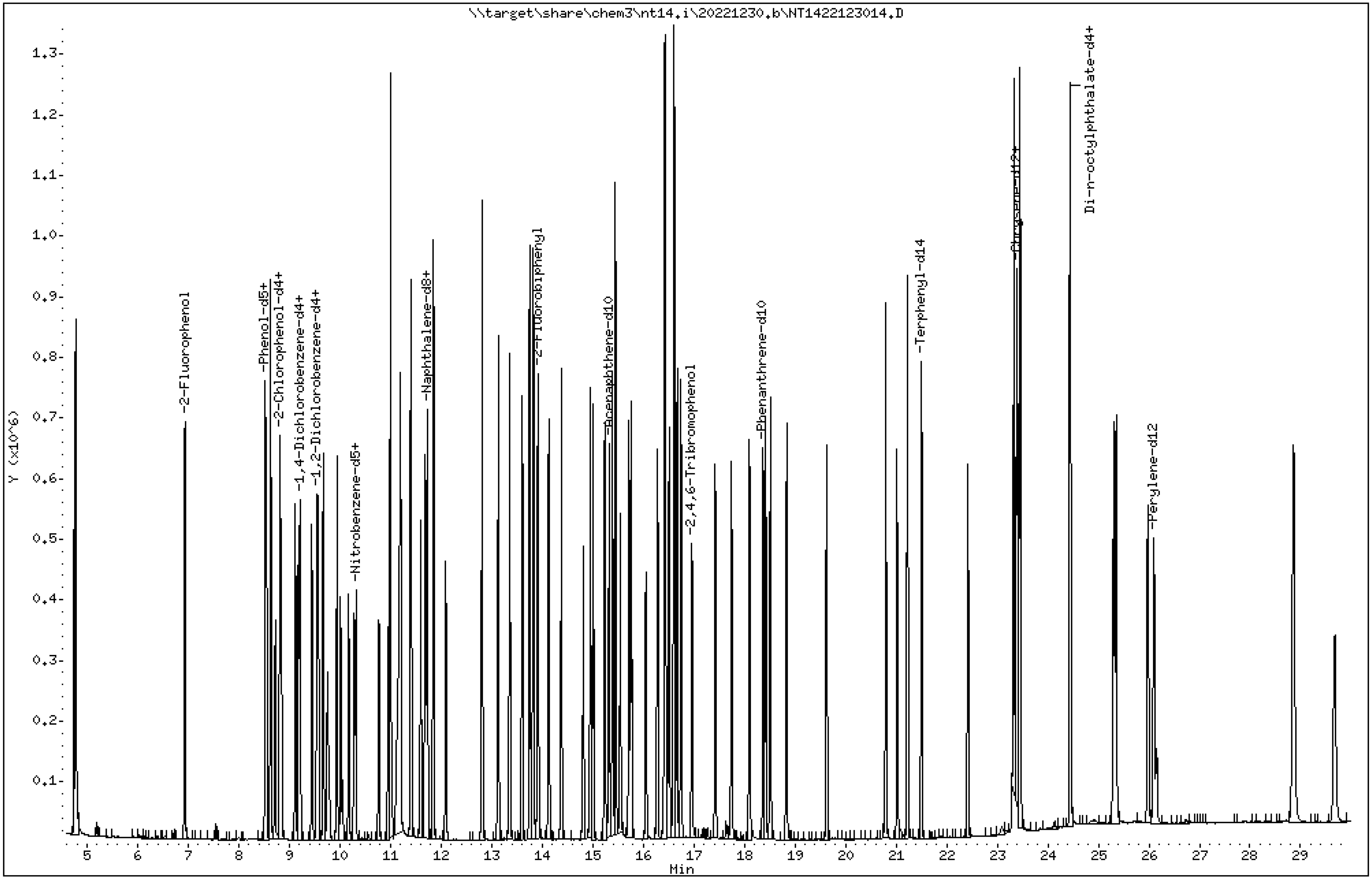
Instrument: nt14.i

Sample Info: SKL0355-ICV2

Operator: VTS

Column phase: ZB-5msi

Column diameter: 0.25



Data File: \\target\share\chem3\nt14.i\20221230.b\NT1422123014.D

Date : 30-DEC-2022 15:53

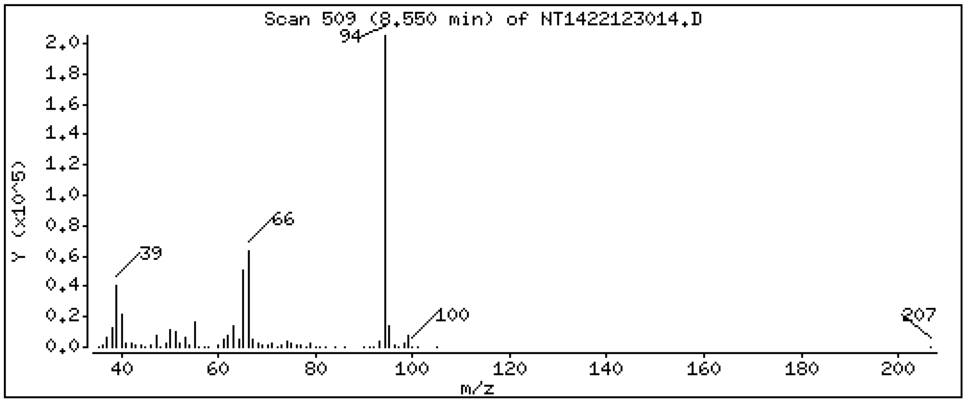
Client ID: Instrument: nt14.i

Sample Info: SKL0355-ICV2

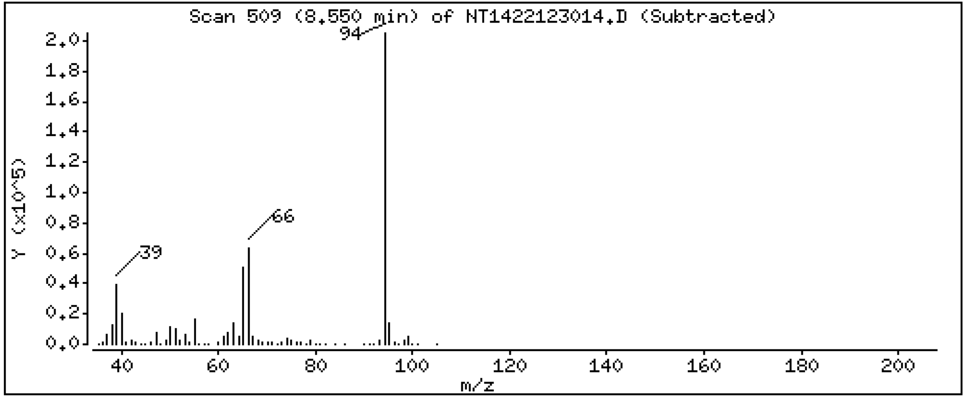
Operator: VTS

Column phase: ZB-5msi Column diameter: 0.25

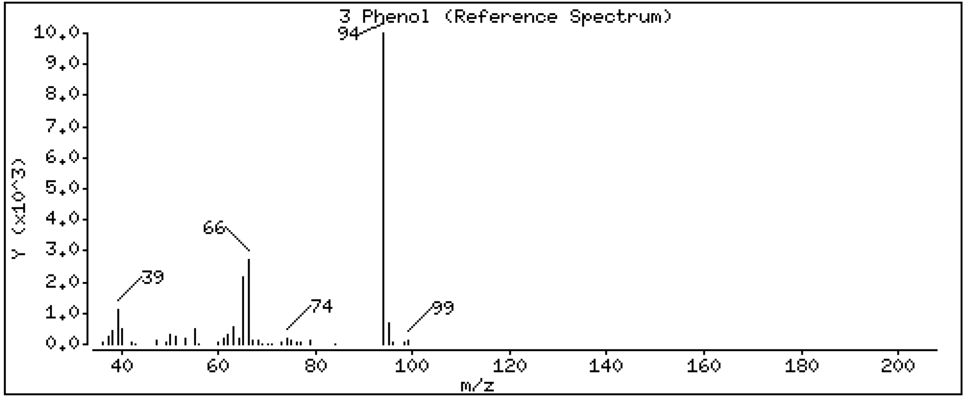
3 Phenol Concentration: 4.775 ug/mL



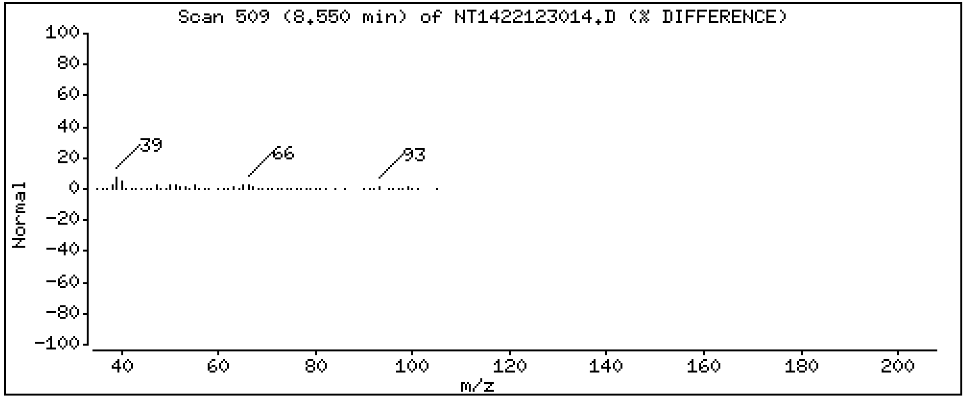
Scan 509 (8.550 min) of NT1422123014.D



Scan 509 (8.550 min) of NT1422123014.D (Subtracted)



3 Phenol (Reference Spectrum)



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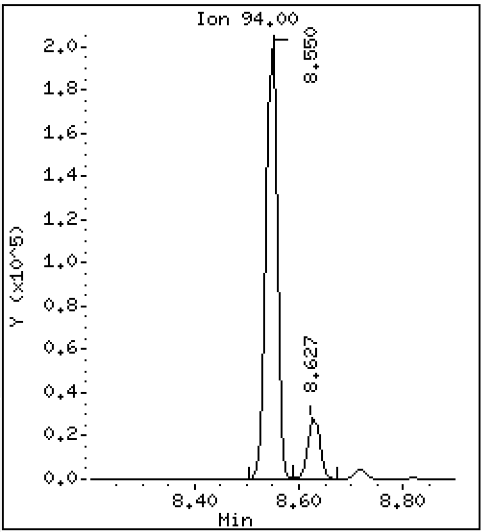
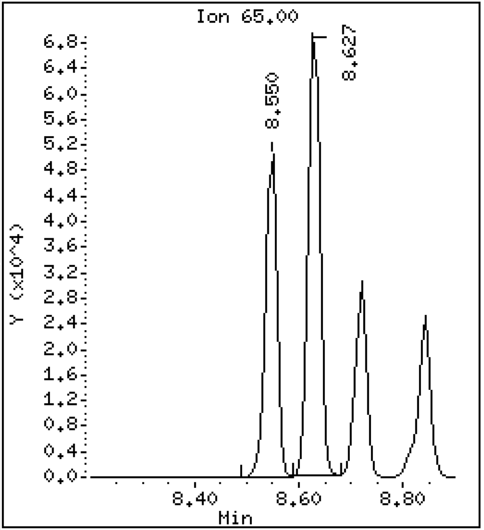


Ion 94.00



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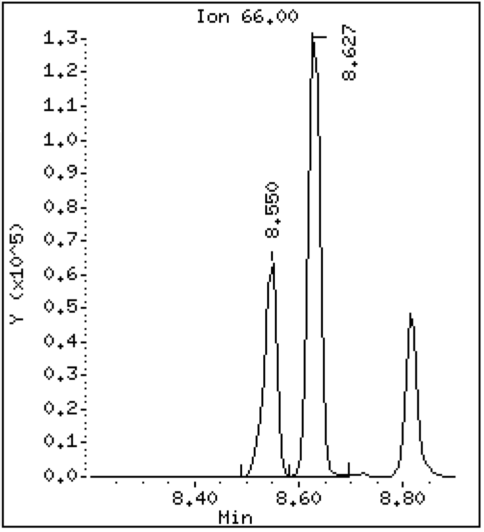

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Data File: \\target\share\chem3\nt14.i\20221230.b\NT1422123014.D

Date : 30-DEC-2022 15:53

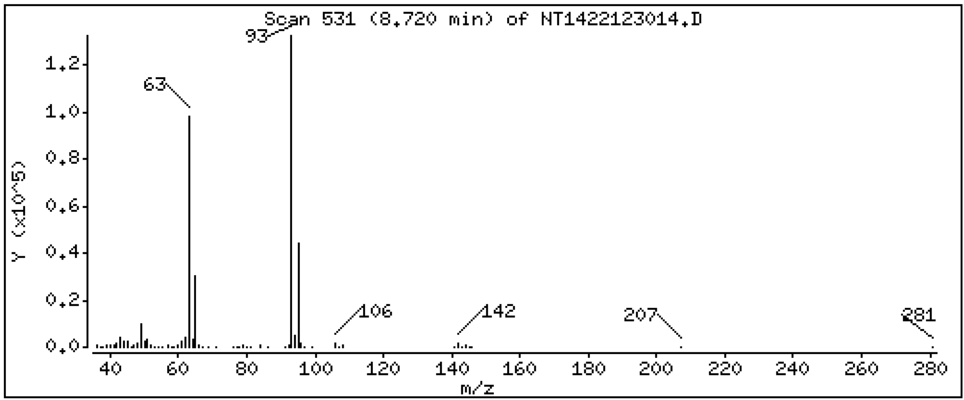
Client ID: Instrument: nt14.i

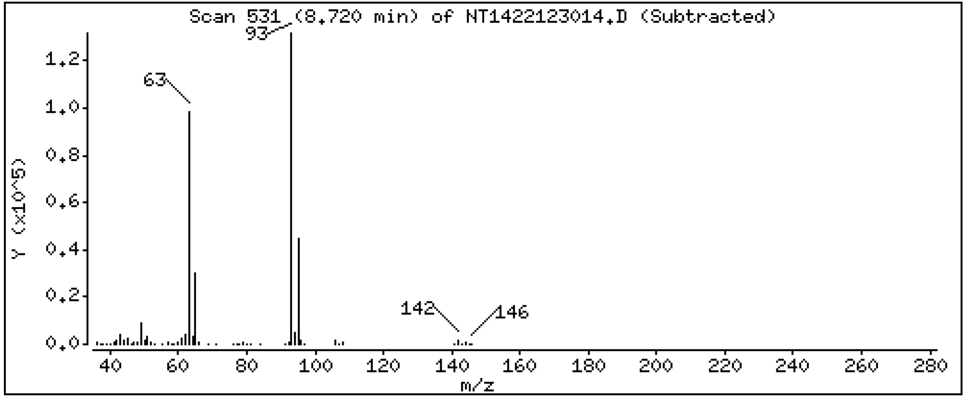
Sample Info: SKL0355-ICV2

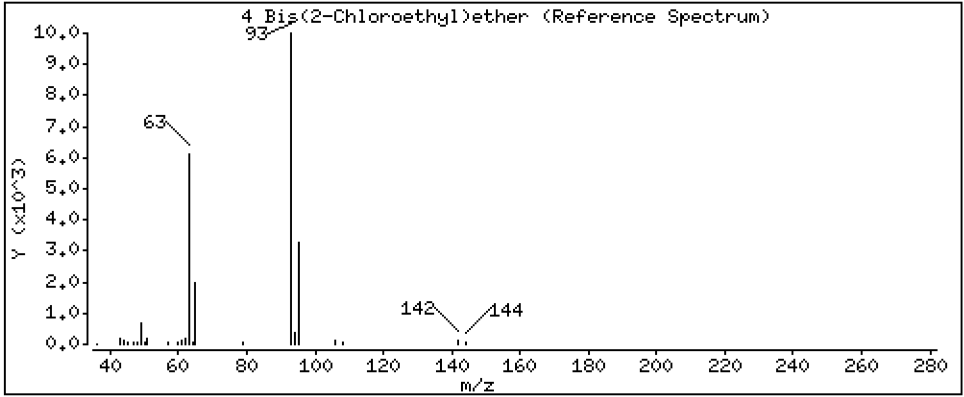
Operator: VTS

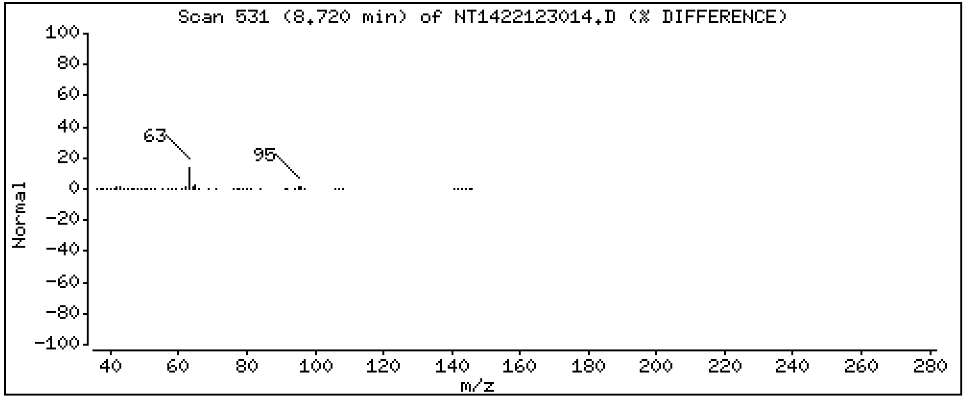
Column phase: ZB-5msi Column diameter: 0.25

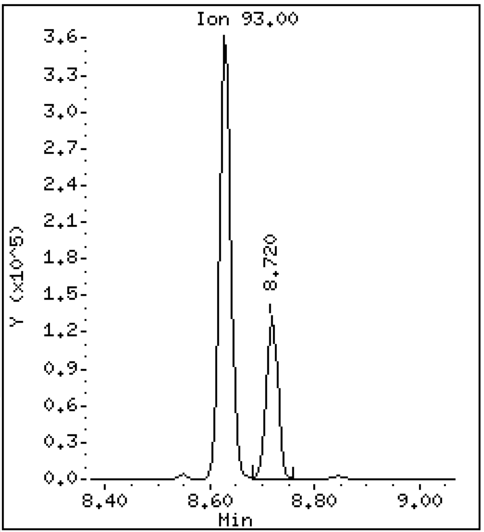
4 Bis(2-Chloroethyl)ether Concentration: 4.714 ug/mL

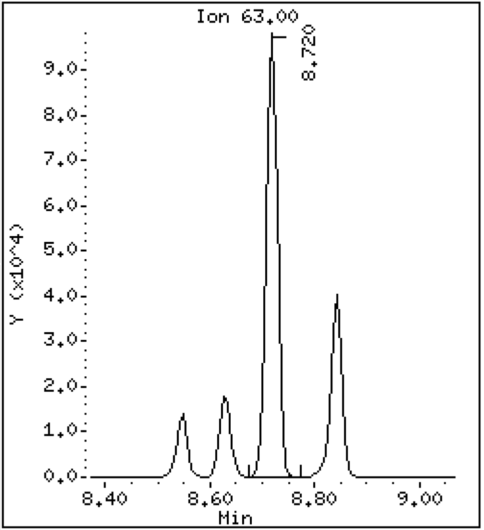


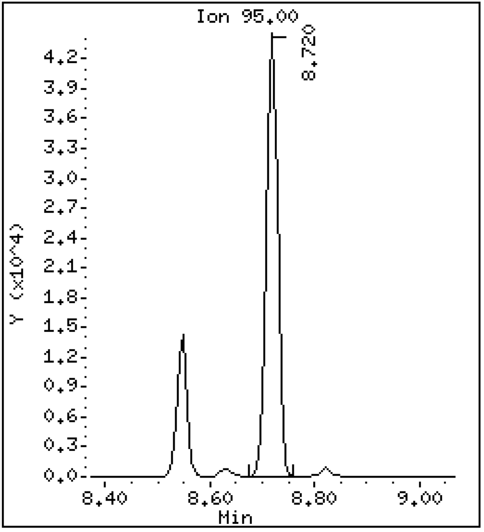












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Date : 30-DEC-2022 15:53

Client ID:

Instrument: nt14.i

Sample Info: SKL0355-ICV2

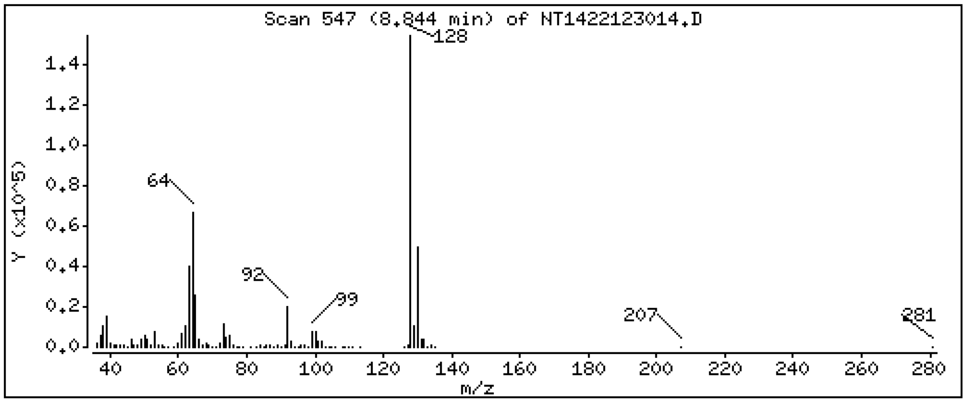
Operator: VTS

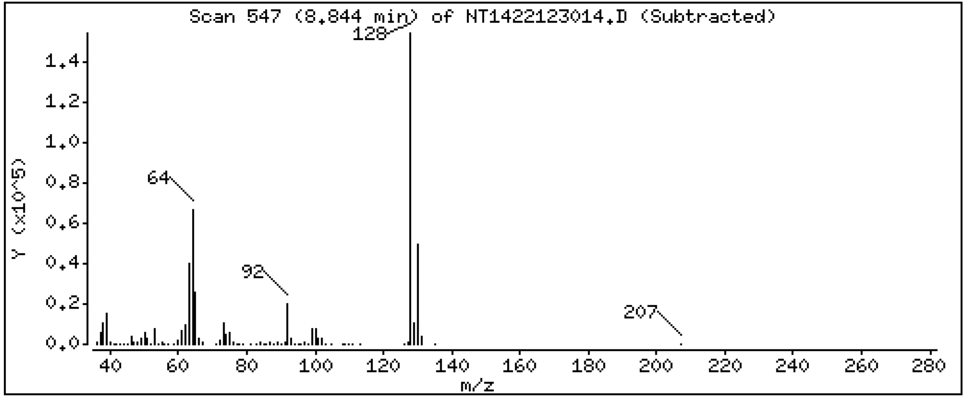
Column phase: ZB-5msi

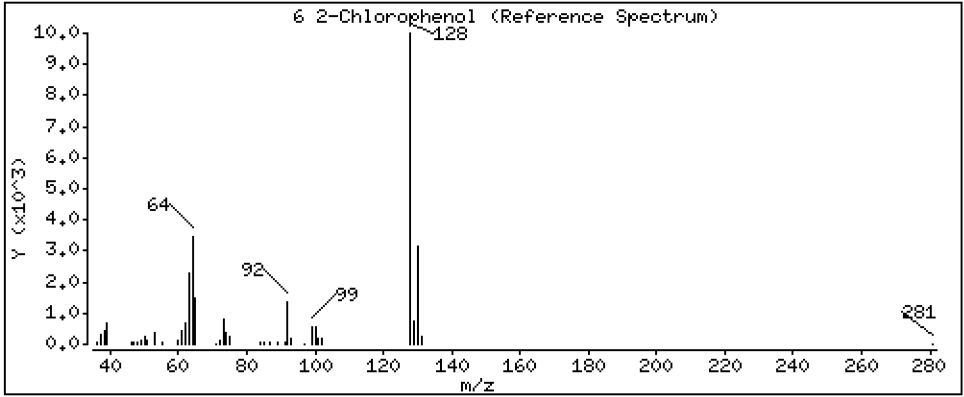
Column diameter: 0.25

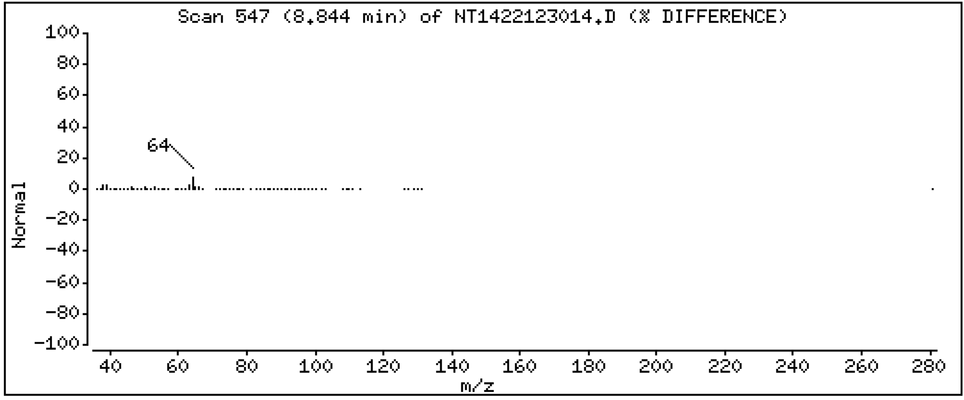
6 2-Chlorophenol

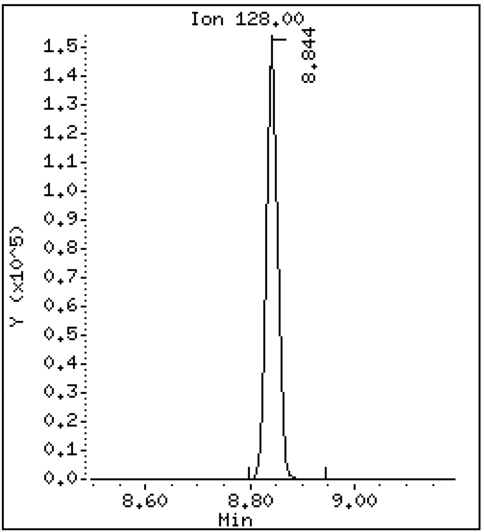
Concentration: 4.683 ug/mL

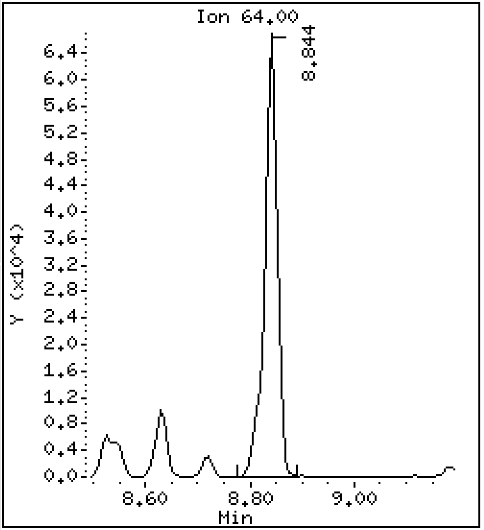

Scan 547 (8.844 min) of NT1422123014.D


Scan 547 (8.844 min) of NT1422123014.D (Subtracted)


6 2-Chlorophenol (Reference Spectrum)


Scan 547 (8.844 min) of NT1422123014.D (% DIFFERENCE)


Ion 128.00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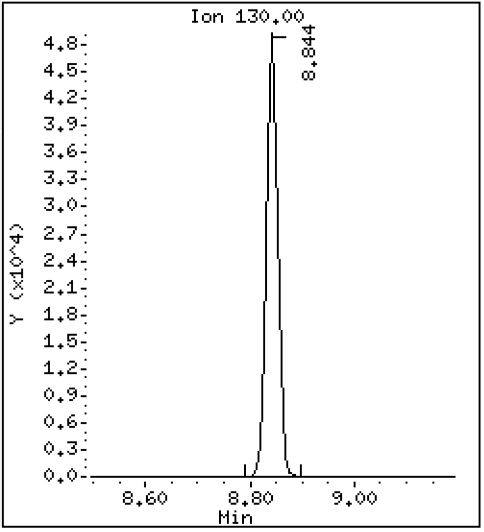
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Date : 30-DEC-2022 15:53

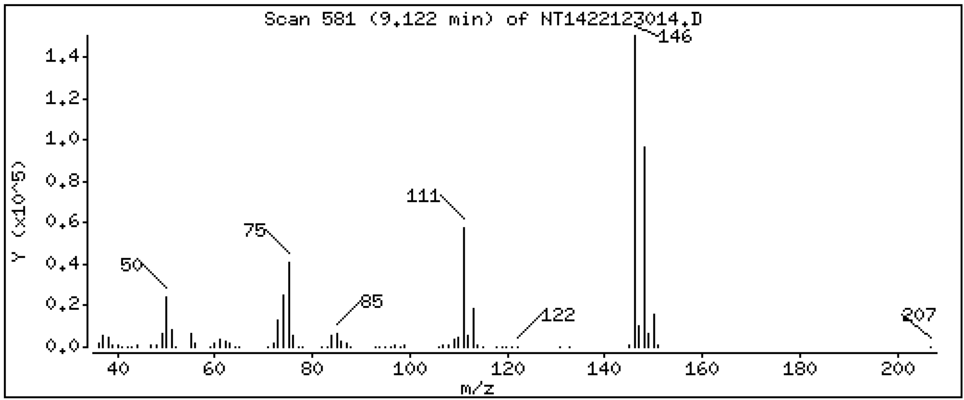
Client ID: Instrument: nt14.i

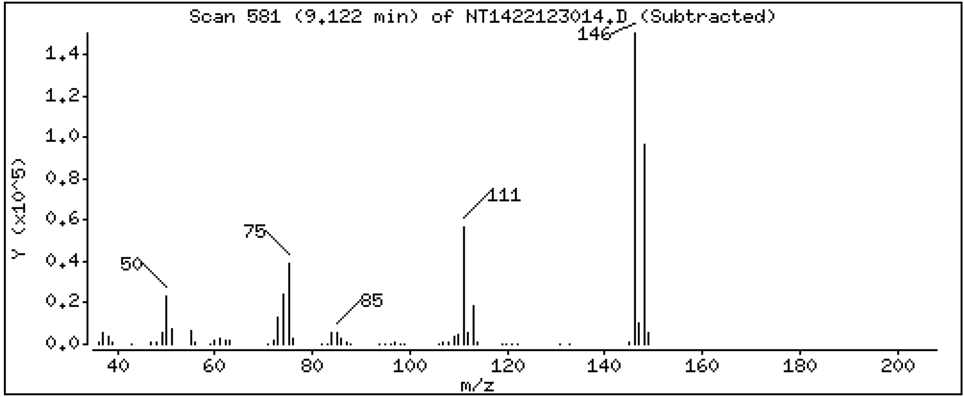
Sample Info: SKL0355-ICV2

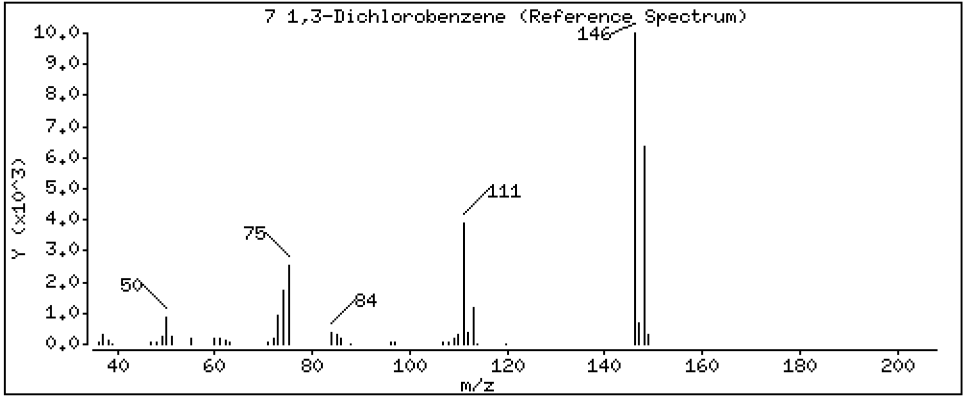
Operator: VTS

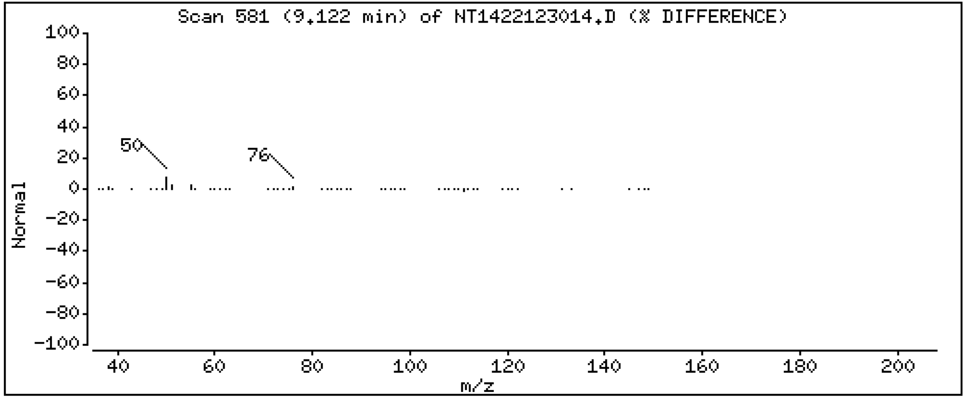
Column phase: ZB-5msi Column diameter: 0.25

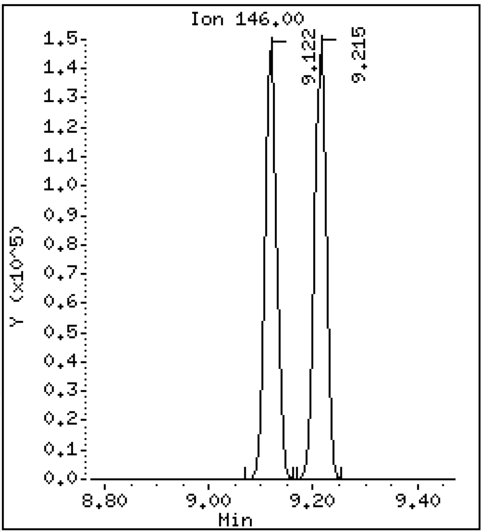
7 1,3-Dichlorobenzene Concentration: 4.555 ug/mL


Scan 581 (9.122 min) of NT1422123014.D


Scan 581 (9.122 min) of NT1422123014.D (Subtracted)


7 1,3-Dichlorobenzene (Reference Spectrum)


Scan 581 (9.122 min) of NT1422123014.D (% DIFFERENCE)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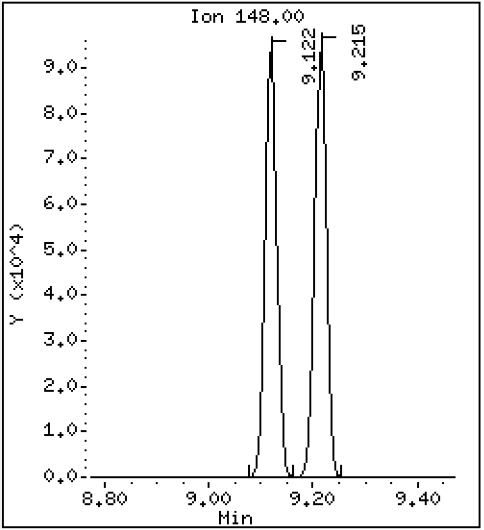
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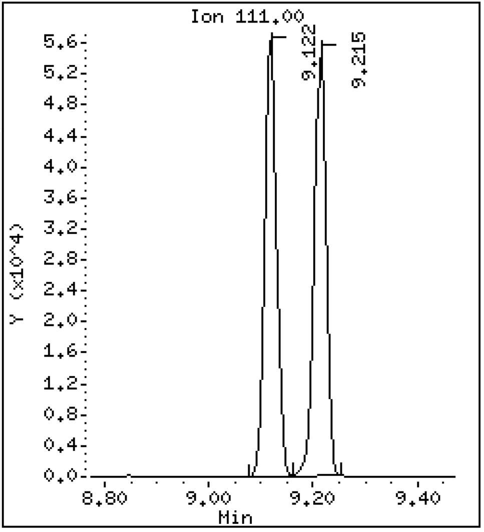
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Data File: \\target\share\chem3\nt14.i\20221230.b\NT1422123014.D

Date : 30-DEC-2022 15:53

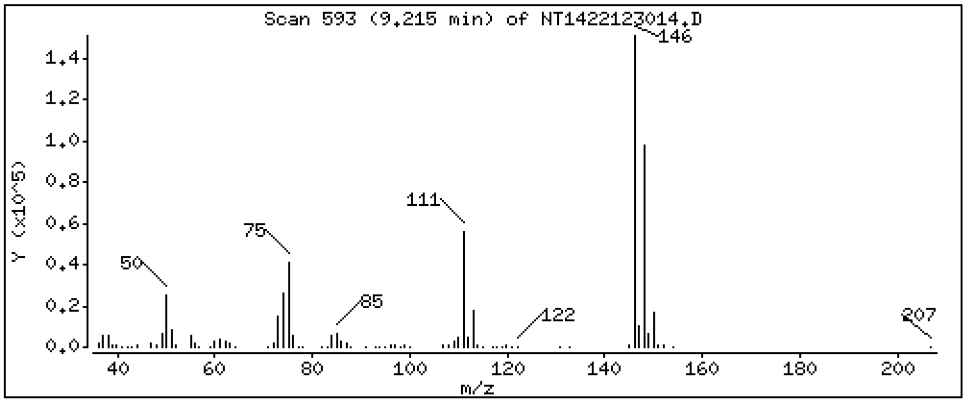
Client ID: Instrument: nt14.i

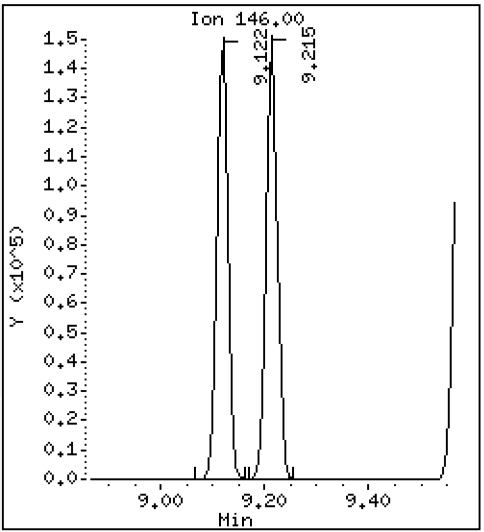
Sample Info: SKL0355-ICV2

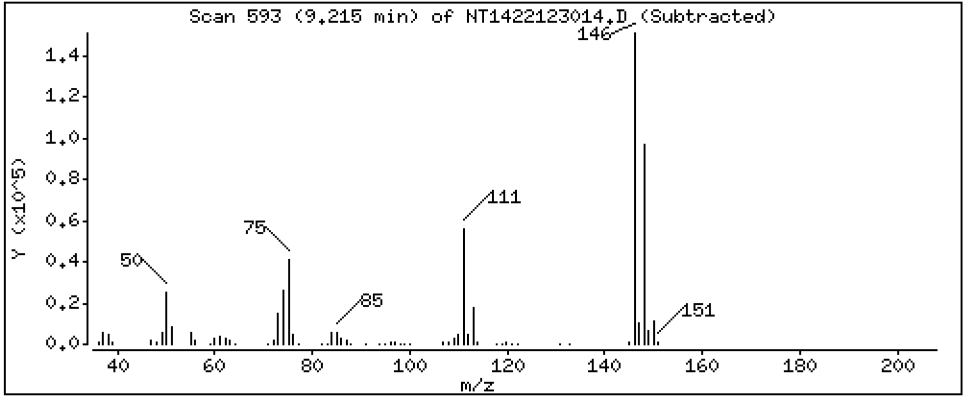
Operator: VTS

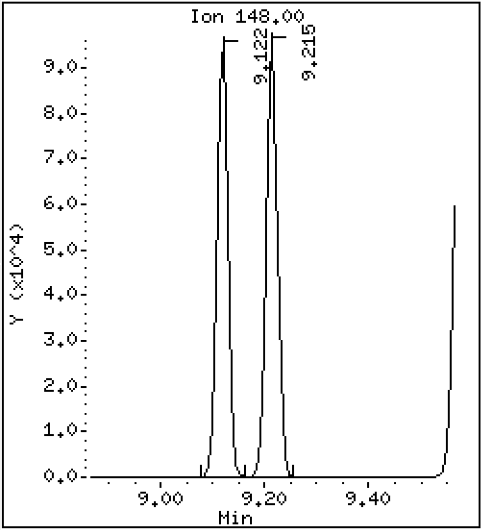
Column phase: ZB-5msi Column diameter: 0.25

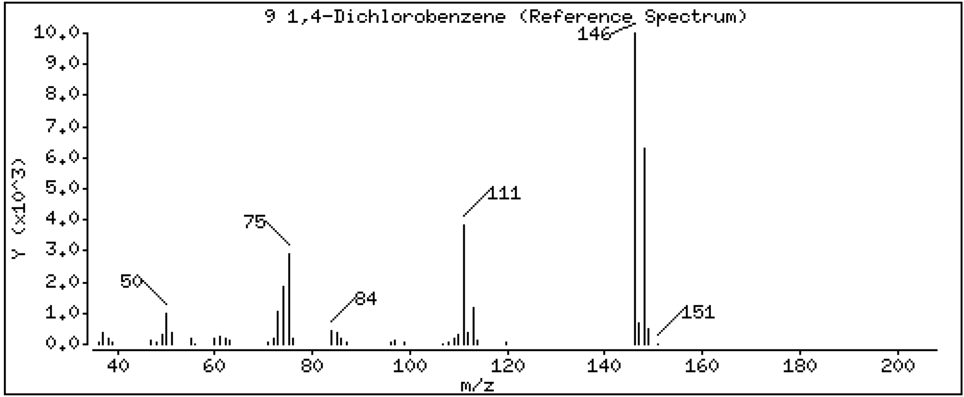
9 1,4-Dichlorobenzene Concentration: 4.552 ug/mL

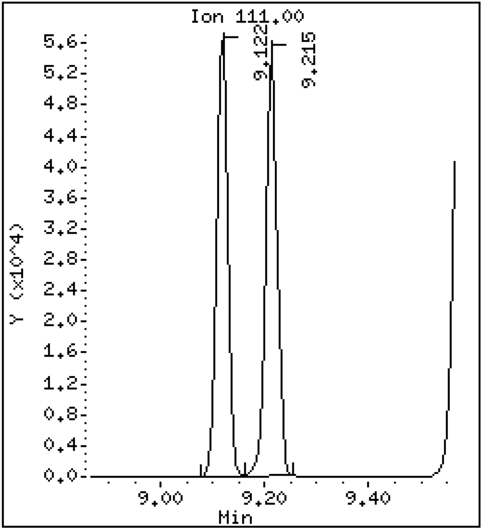


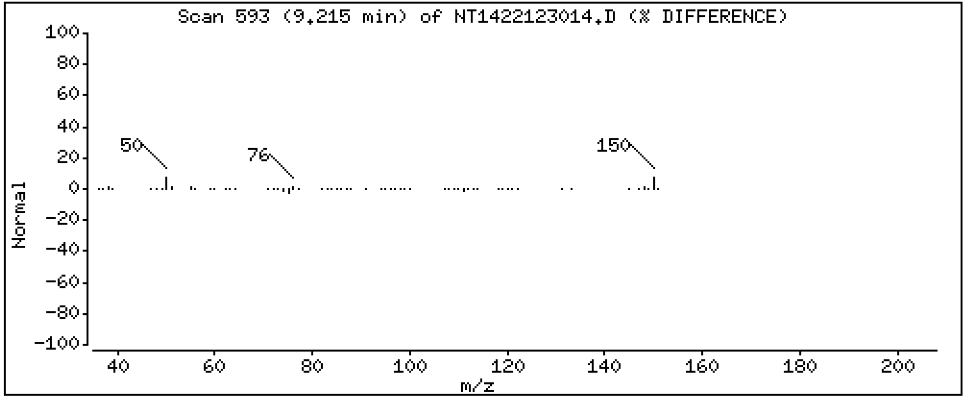












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Date : 30-DEC-2022 15:53

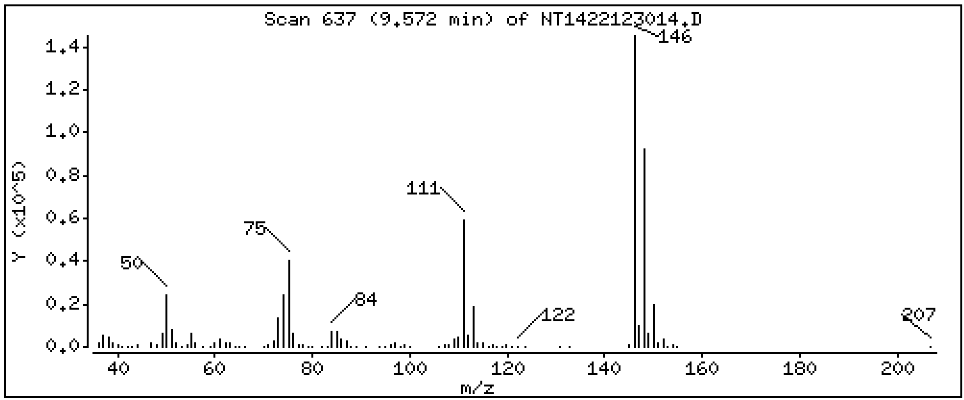
Client ID: Instrument: nt14.i

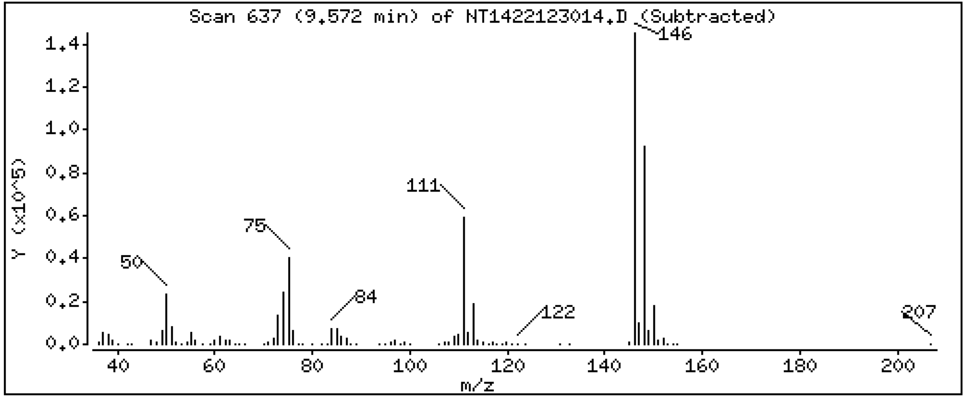
Sample Info: SKL0355-ICV2

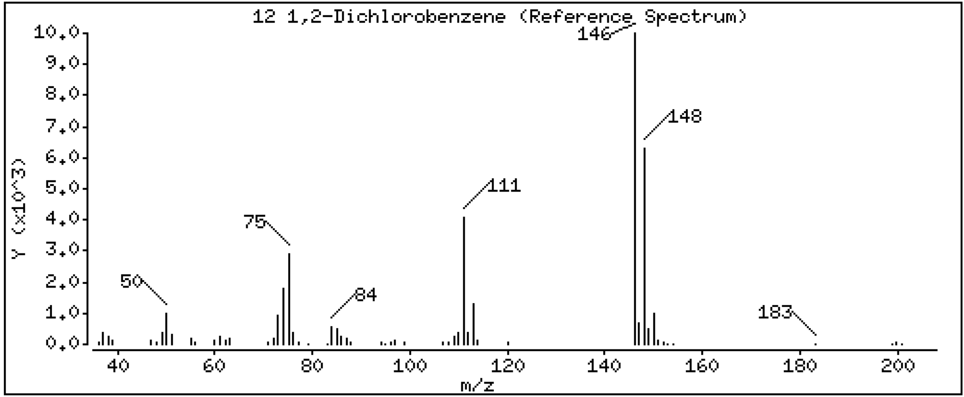
Operator: VTS

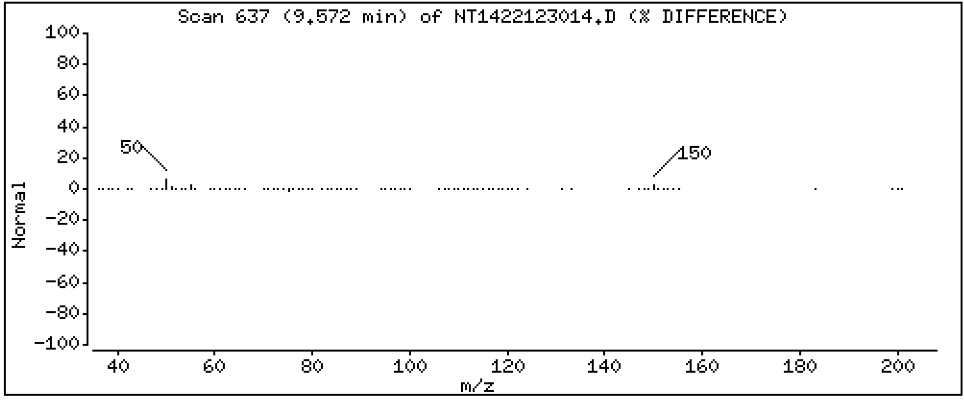
Column phase: ZB-5msi Column diameter: 0.25

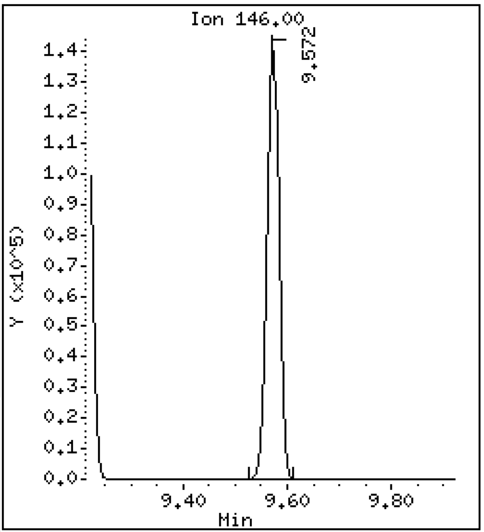
12 1,2-Dichlorobenzene Concentration: 4.623 ug/mL

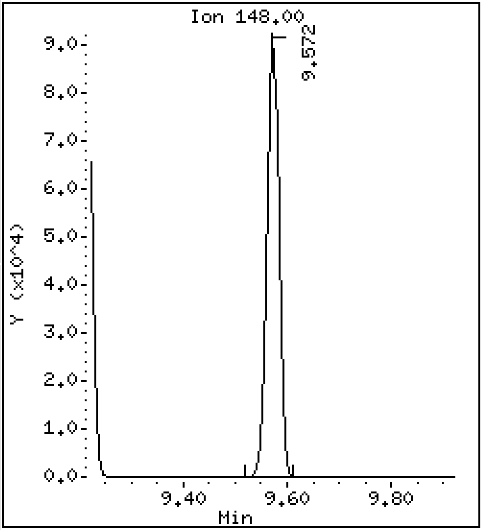

Scan 637 (9.572 min) of NT1422123014.D


Scan 637 (9.572 min) of NT1422123014.D (Subtracted)


12 1,2-Dichlorobenzene (Reference Spectrum)


Scan 637 (9.572 min) of NT1422123014.D (% DIFFERENCE)


Ion 146.00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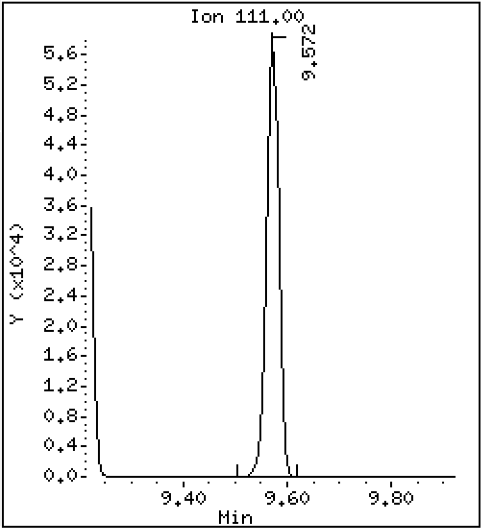

Ion 111.00

Data File: \\target\share\chem3\nt14.i\20221230.b\NT1422123014.D

Date : 30-DEC-2022 15:53

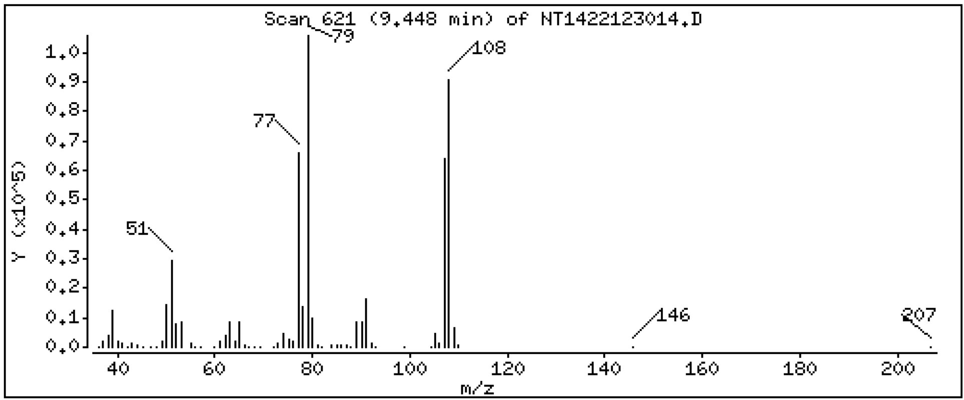
Client ID: Instrument: nt14.i

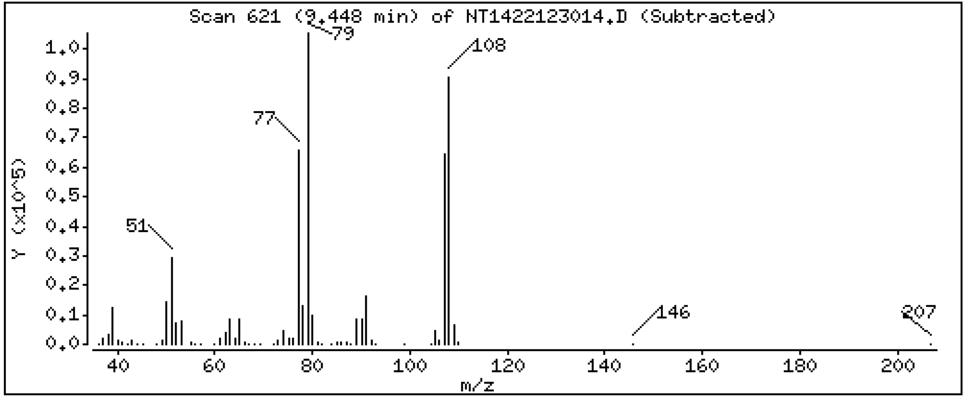
Sample Info: SKL0355-ICV2

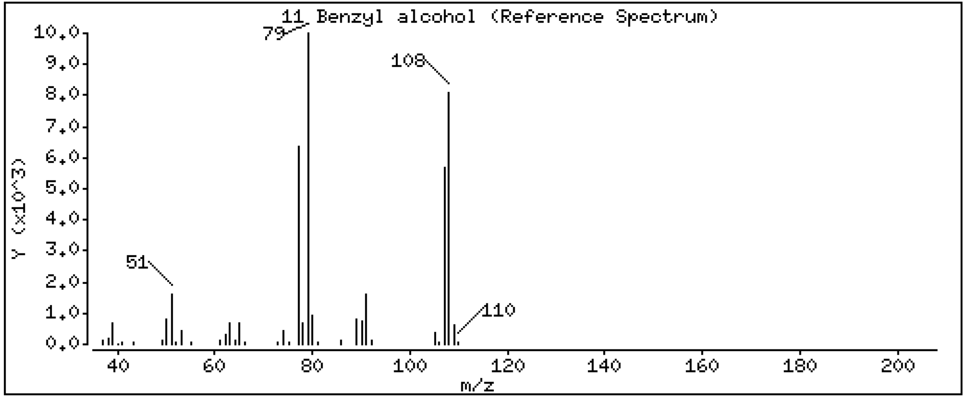
Operator: VTS

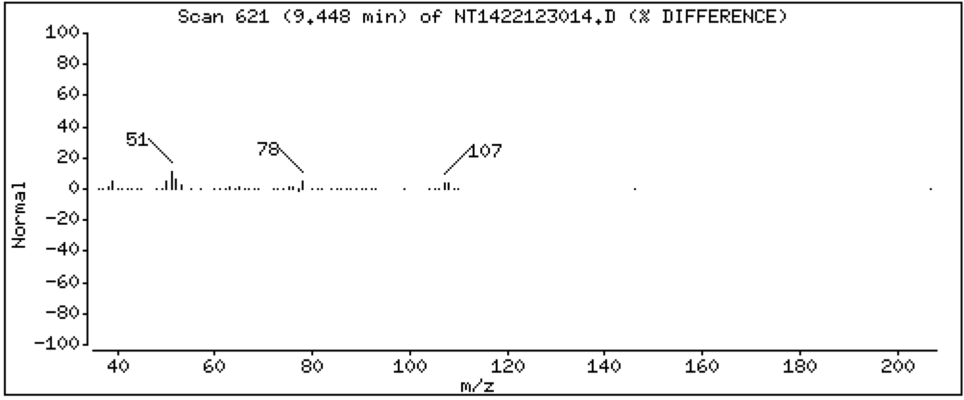
Column phase: ZB-5msi Column diameter: 0.25

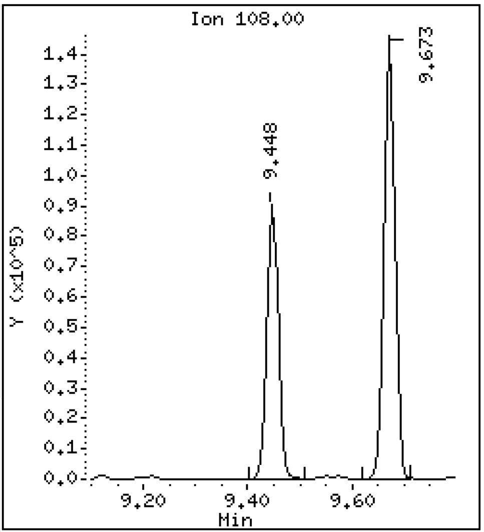
11 Benzyl alcohol Concentration: 4.960 ug/mL


Scan 621 (9.448 min) of NT1422123014.D


Scan 621 (9.448 min) of NT1422123014.D (Subtracted)


11 Benzyl alcohol (Reference Spectrum)


Scan 621 (9.448 min) of NT1422123014.D (% DIFFERENCE)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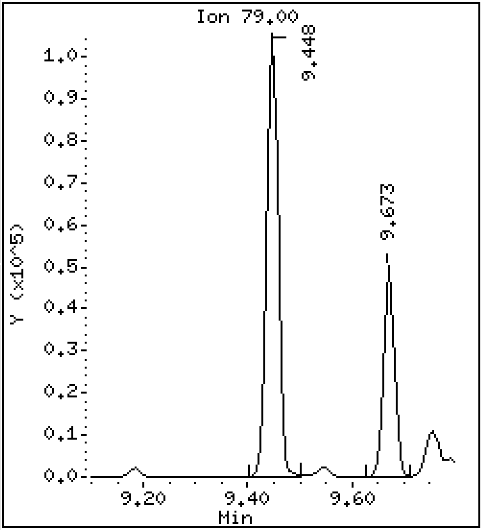
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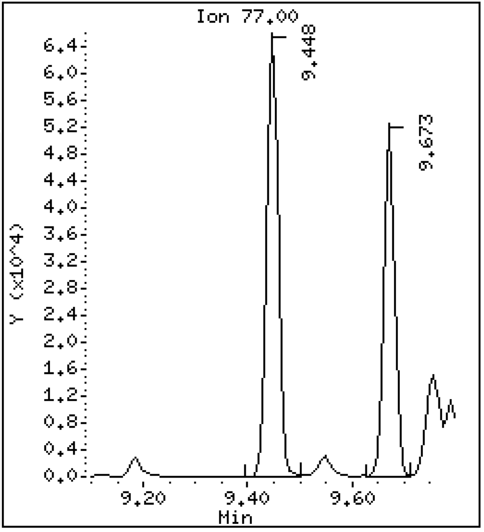

Ion 77.00

Date : 30-DEC-2022 15:53

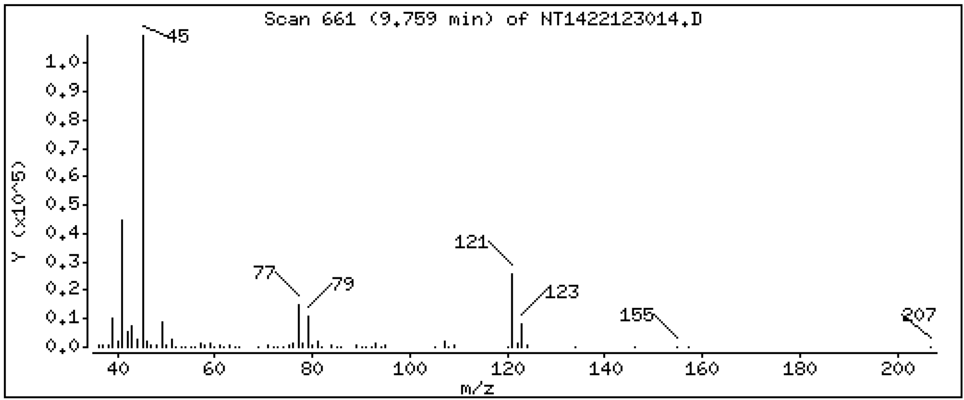
Client ID: Instrument: nt14.i

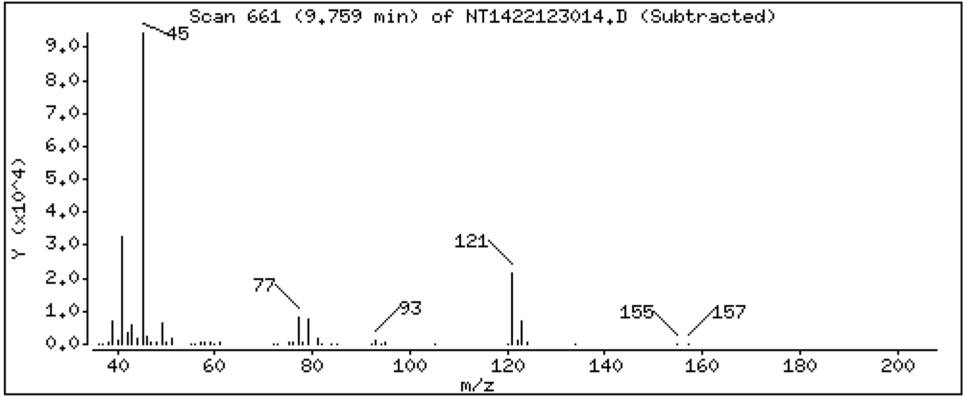
Sample Info: SKL0355-ICV2

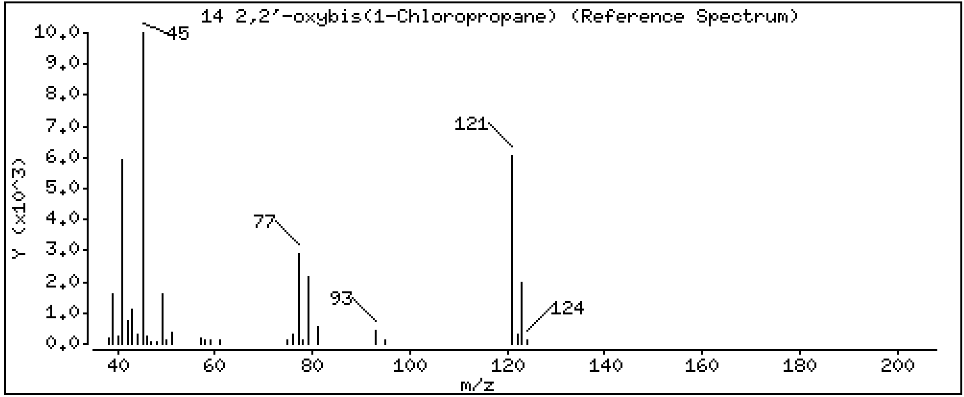
Operator: VTS

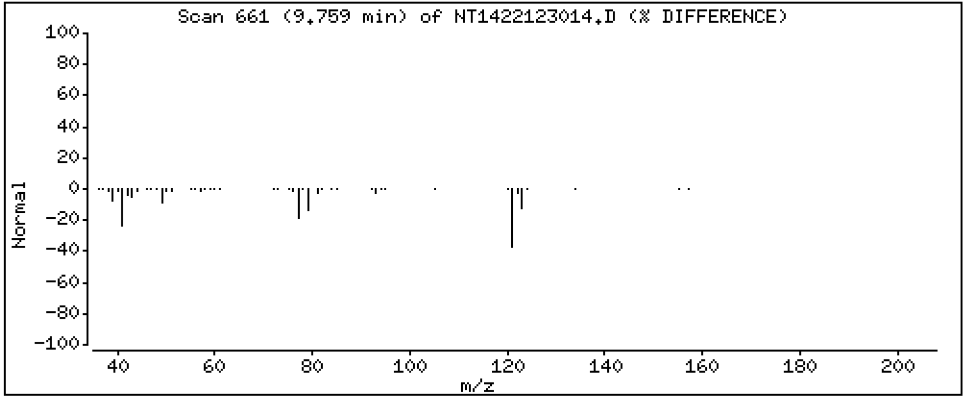
Column phase: ZB-5msi Column diameter: 0.25

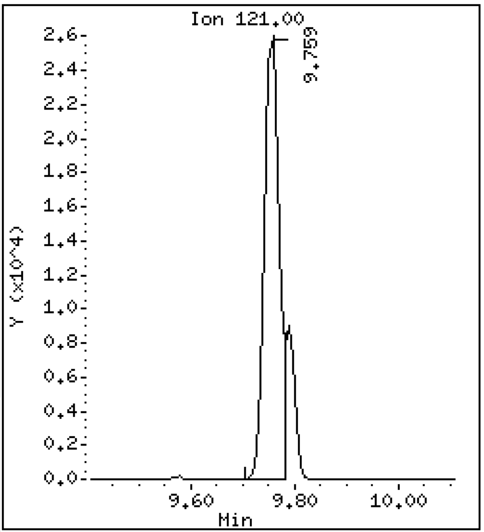
14 2,2'-oxybis(1-Chloropropane) Concentration: 3.732 ug/mL

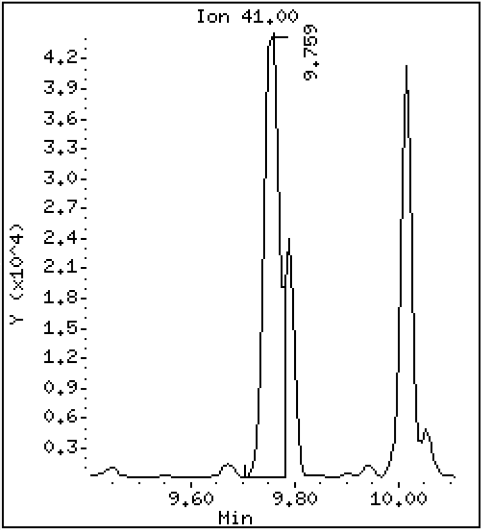


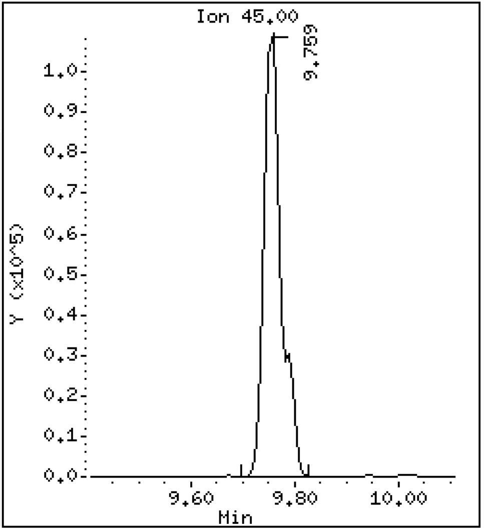












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Date : 30-DEC-2022 15:53

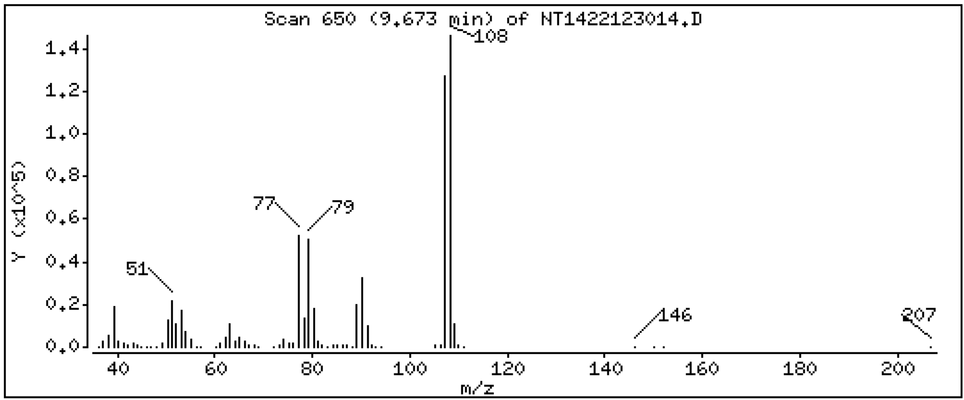
Client ID: Instrument: nt14.i

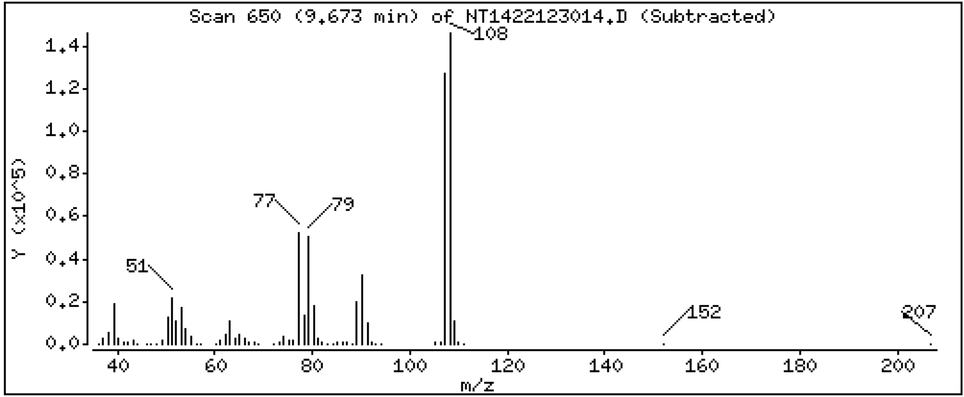
Sample Info: SKL0355-ICV2

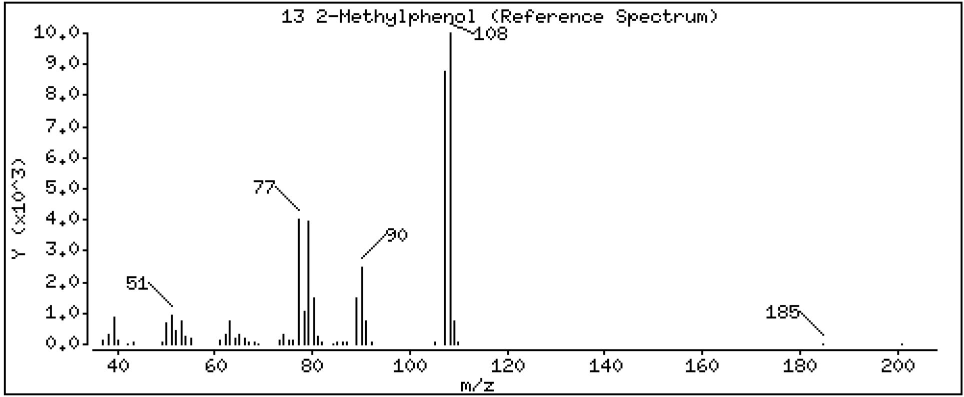
Operator: VTS

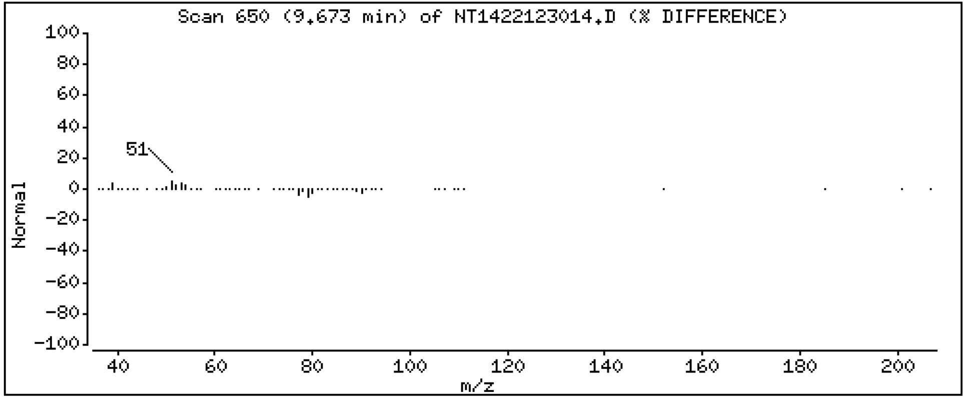
Column phase: ZB-5msi Column diameter: 0.25

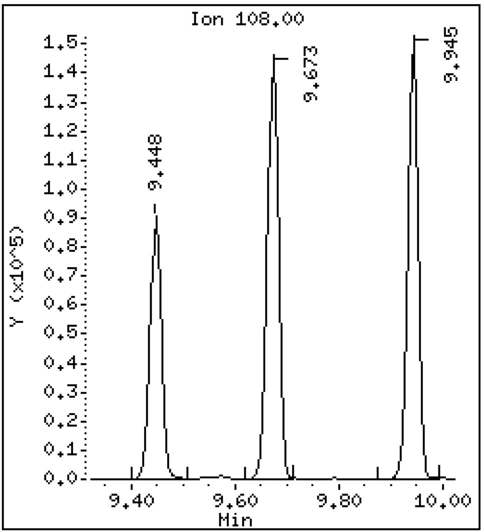
13 2-Methylphenol Concentration: 4.858 ug/mL

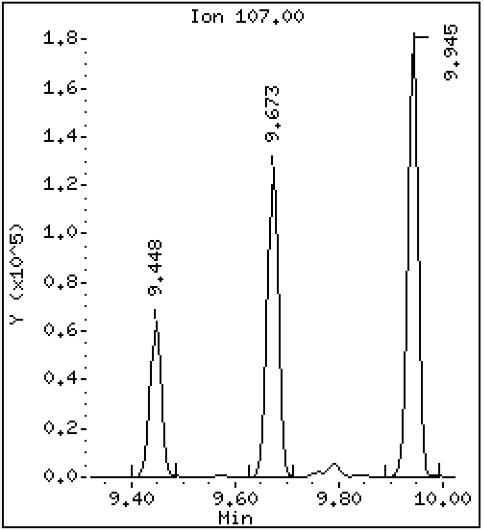


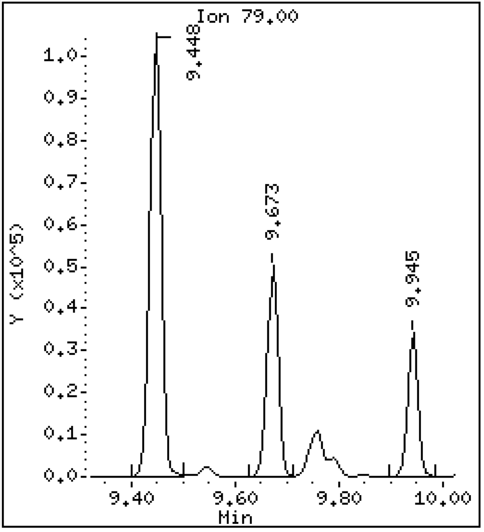












Data File: \\target\share\chem3\nt14.i\20221230.b\NT1422123014.D

Date : 30-DEC-2022 15:53

Client ID:

Instrument: nt14.i

Sample Info: SKL0355-ICV2

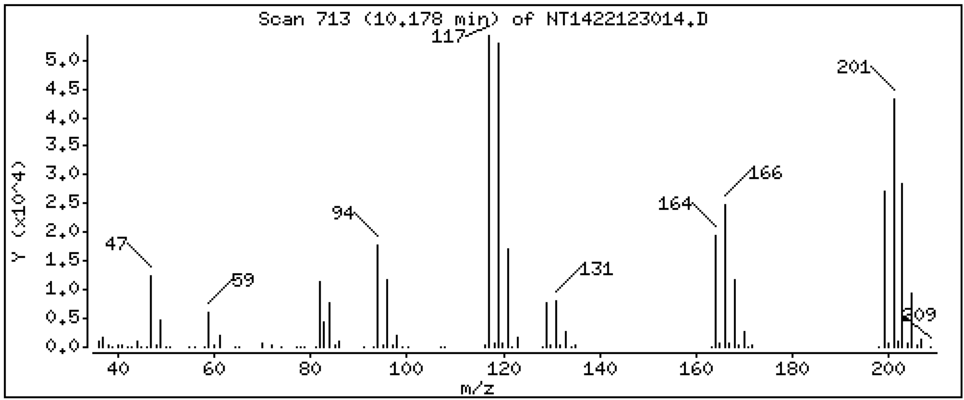
Operator: VTS

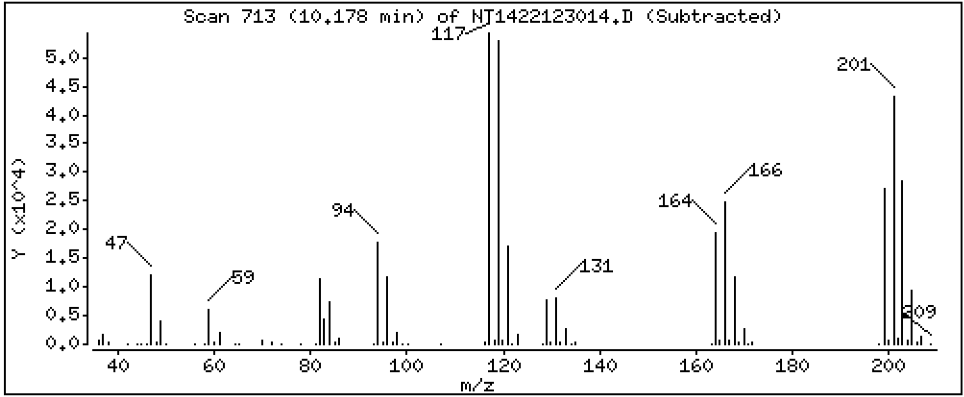
Column phase: ZB-5msi

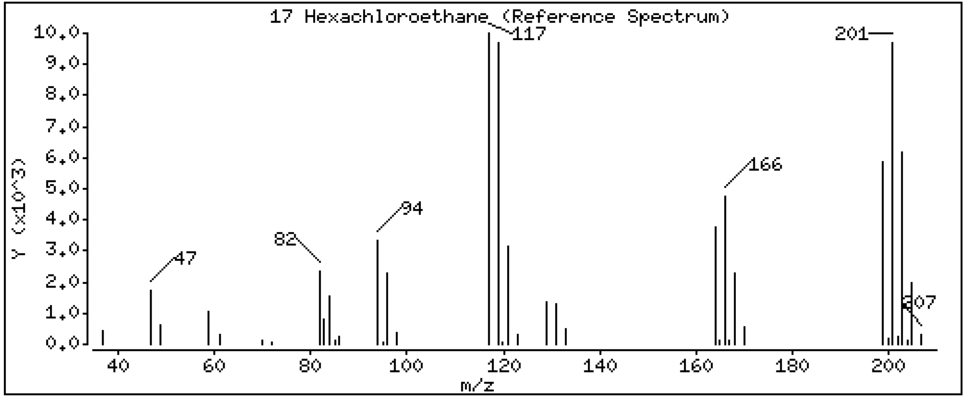
Column diameter: 0.25

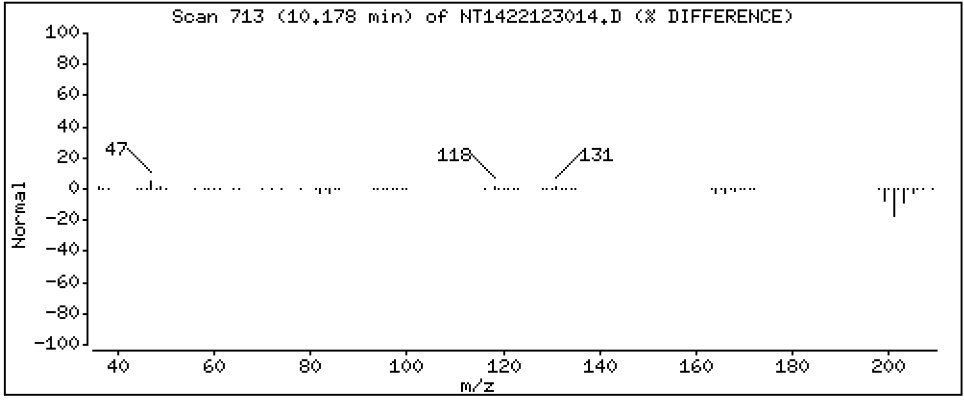
17 Hexachloroethane

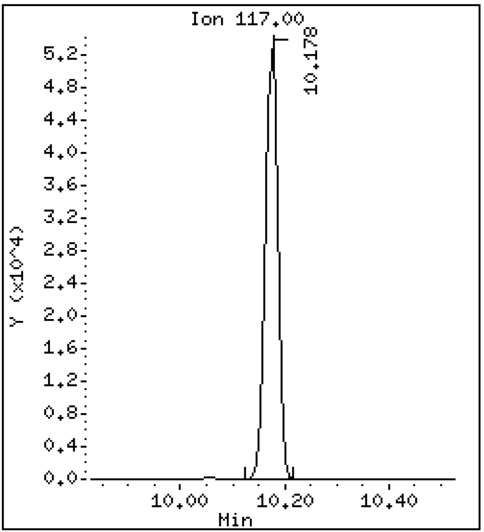
Concentration: 4.777 ug/mL

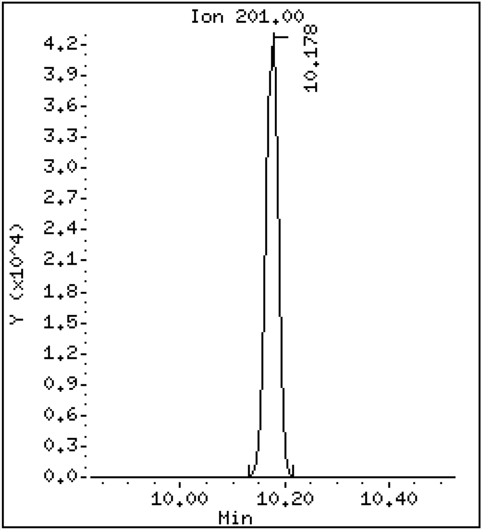


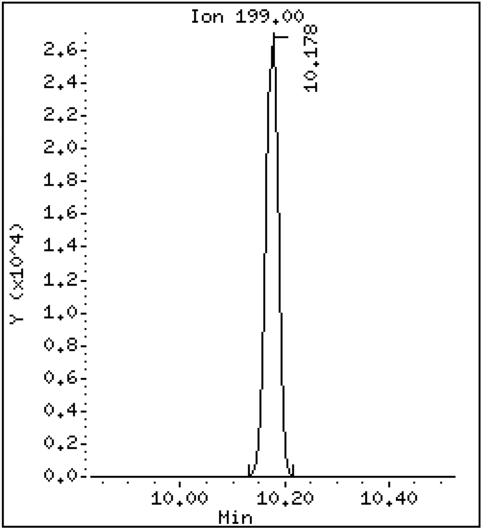












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Date : 30-DEC-2022 15:53

Client ID:

Instrument: nt14.i

Sample Info: SKL0355-ICV2

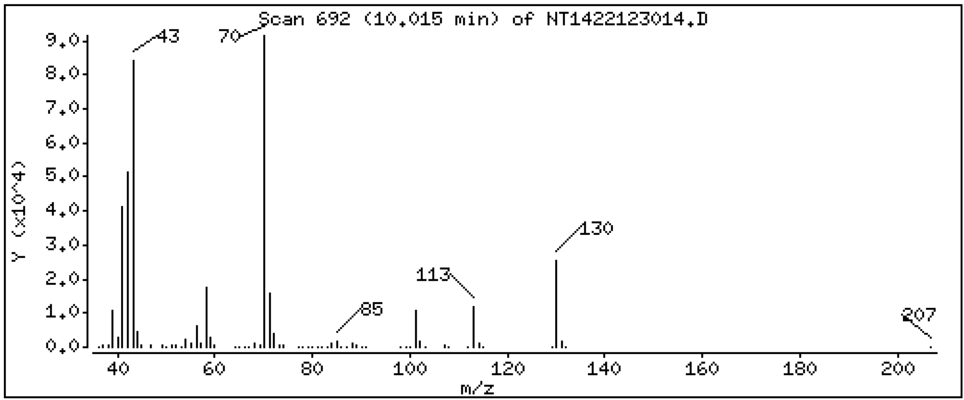
Operator: VTS

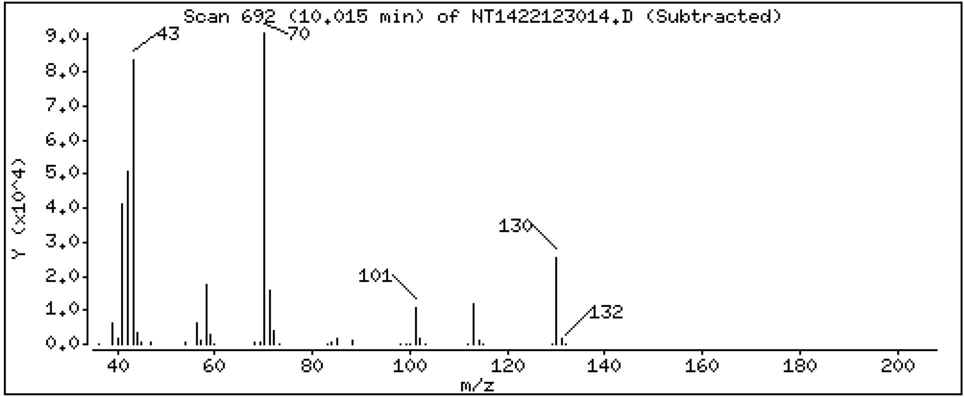
Column phase: ZB-5msi

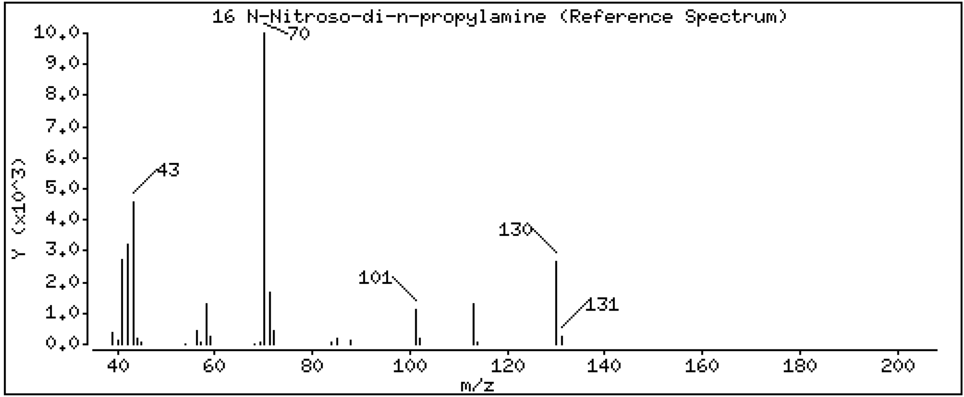
Column diameter: 0.25

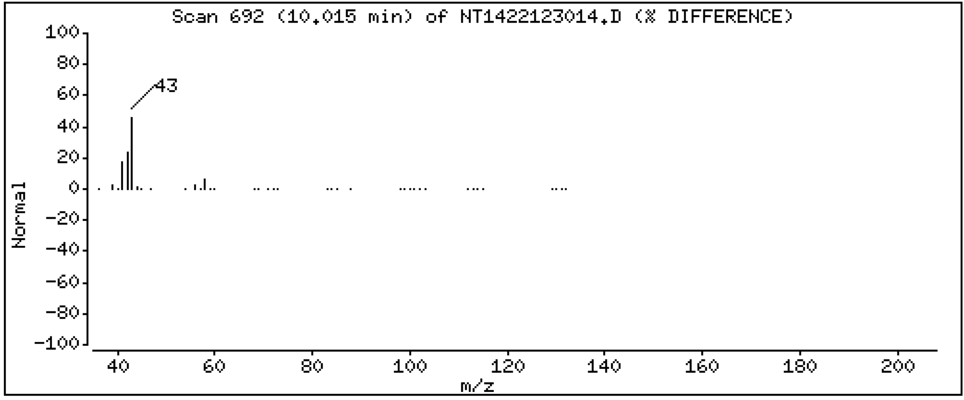
16 N-Nitroso-di-n-propylamine

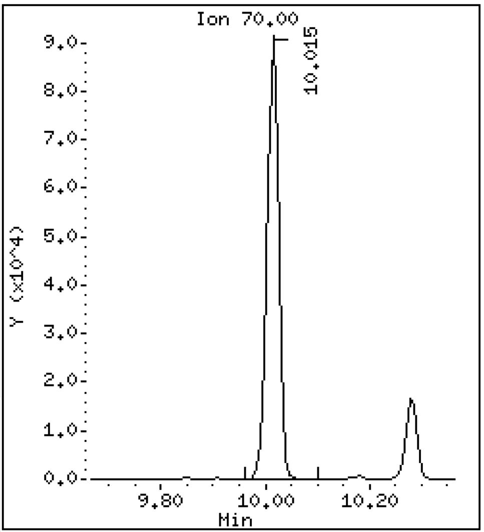
Concentration: 5.157 ug/mL

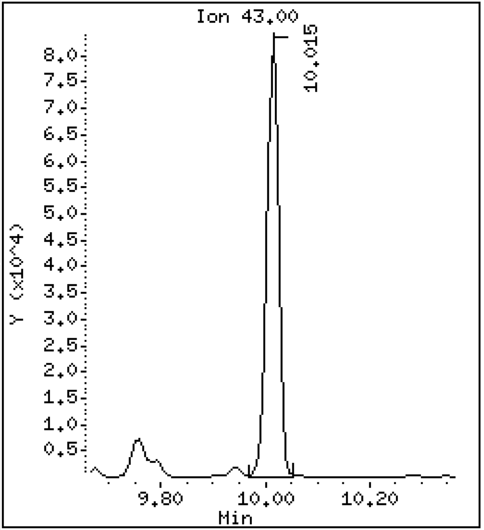

Scan 692 (10.015 min) of NT1422123014.D

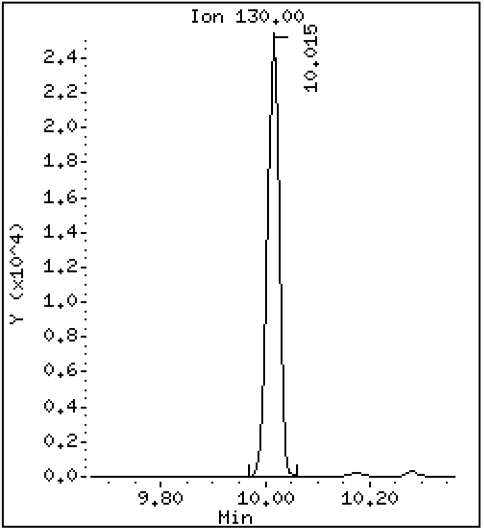

Scan 692 (10.015 min) of NT1422123014.D (Subtracted)


16 N-Nitroso-di-n-propylamine (Reference Spectrum)


Scan 692 (10.015 min) of NT1422123014.D (% DIFFERENCE)


Ion 70.00


Ion 43.00


Ion 130.00

Date : 30-DEC-2022 15:53

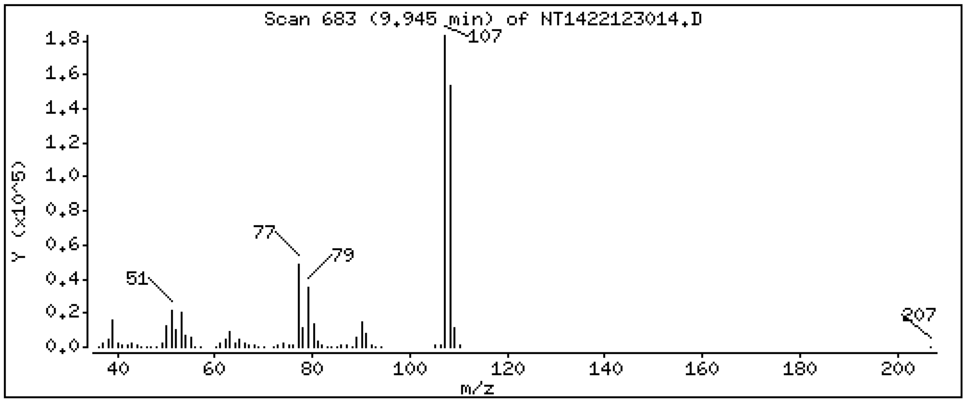
Client ID: Instrument: nt14.i

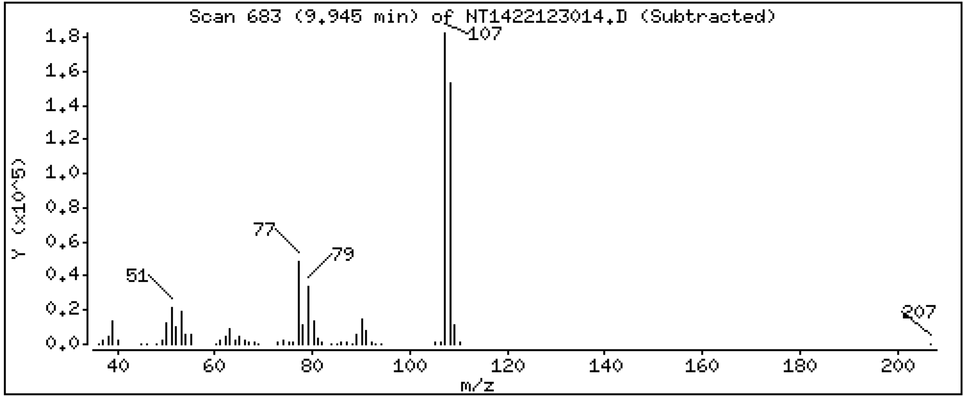
Sample Info: SKL0355-ICV2

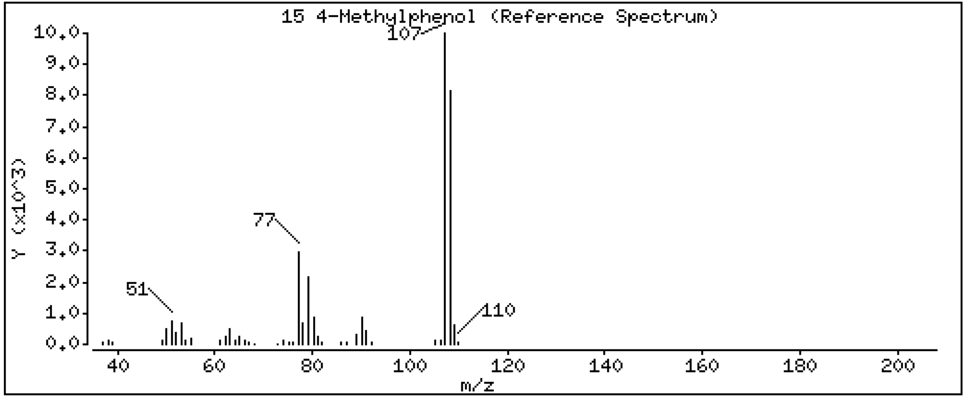
Operator: VTS

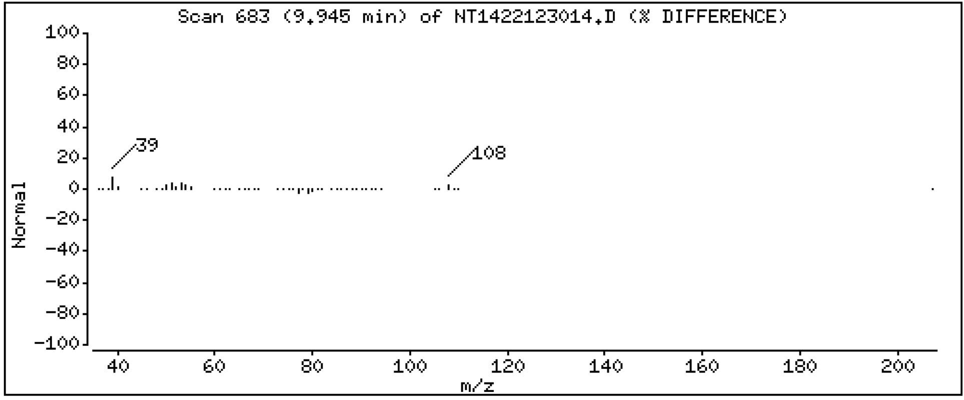
Column phase: ZB-5msi Column diameter: 0.25

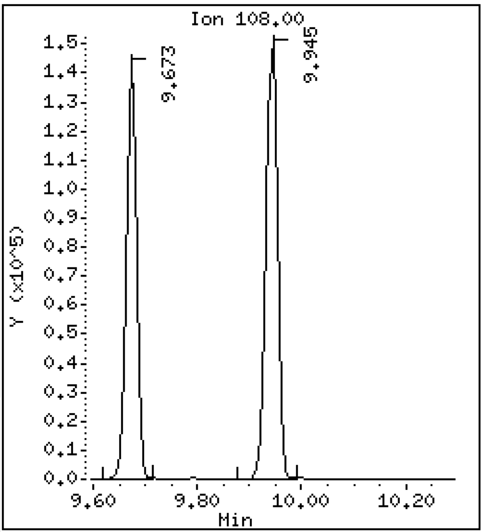
15 4-Methylphenol Concentration: 4.896 ug/mL


Scan 683 (9.945 min) of NT1422123014.D


Scan 683 (9.945 min) of NT1422123014.D (Subtracted)


15 4-Methylphenol (Reference Spectrum)


Scan 683 (9.945 min) of NT1422123014.D (% DIFFERENCE)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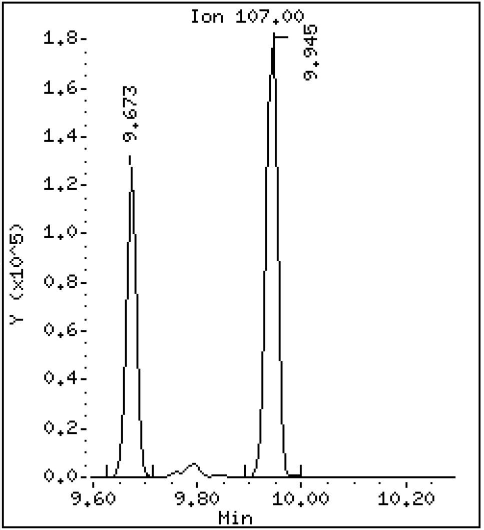
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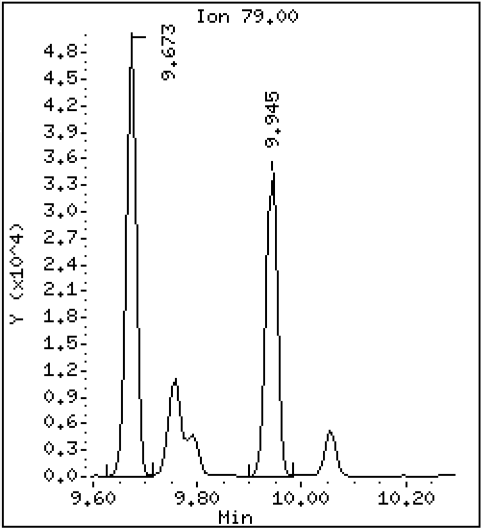

Ion 79.00

Data File: \\target\share\chem3\nt14.i\20221230.b\NT1422123014.D

Date : 30-DEC-2022 15:53

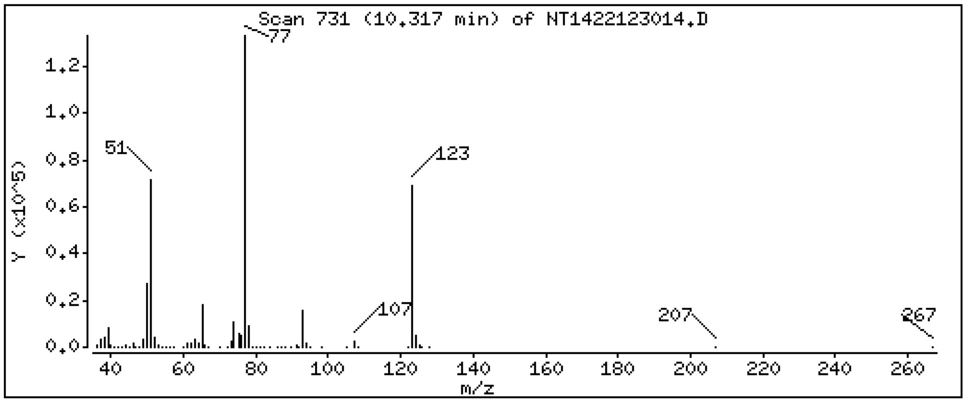
Client ID: Instrument: nt14.i

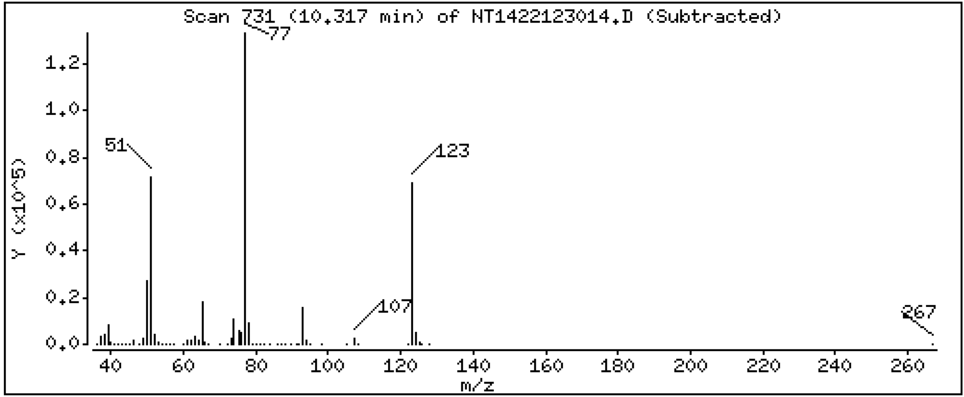
Sample Info: SKL0355-ICV2

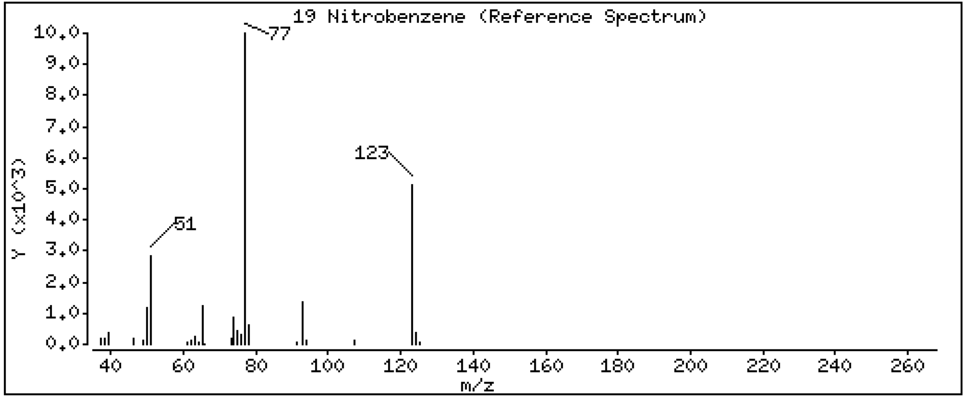
Operator: VTS

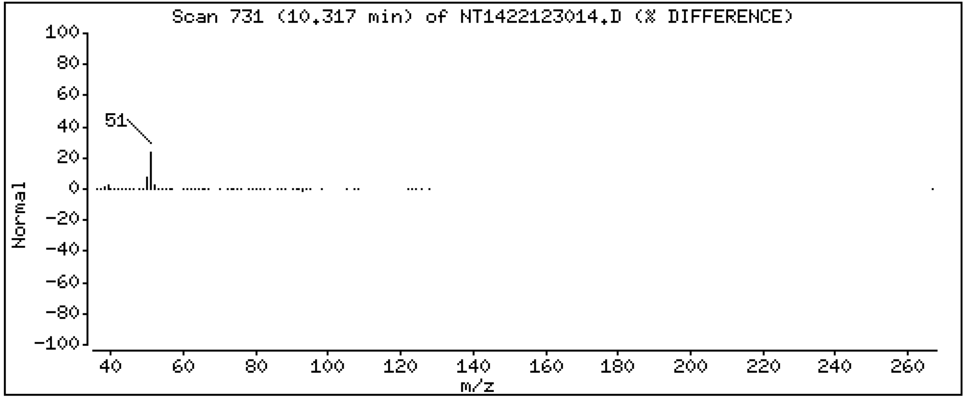
Column phase: ZB-5msi Column diameter: 0.25

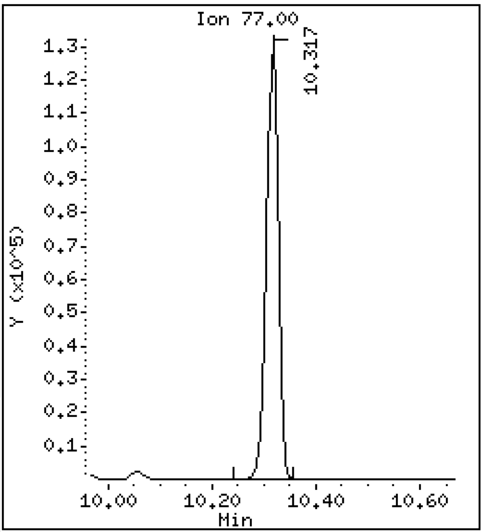
19 Nitrobenzene Concentration: 4.844 ug/mL

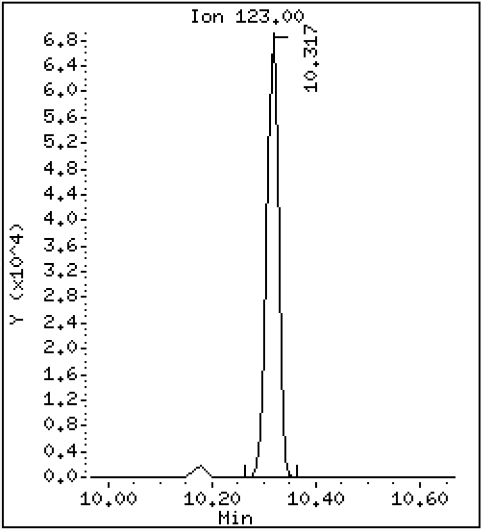


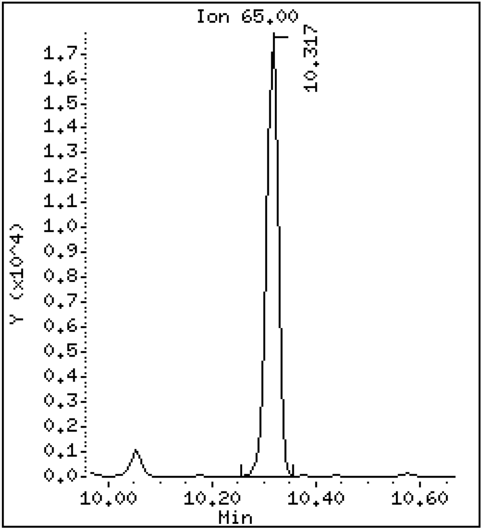












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Date : 30-DEC-2022 15:53

Client ID:

Instrument: nt14.i

Sample Info: SKL0355-ICV2

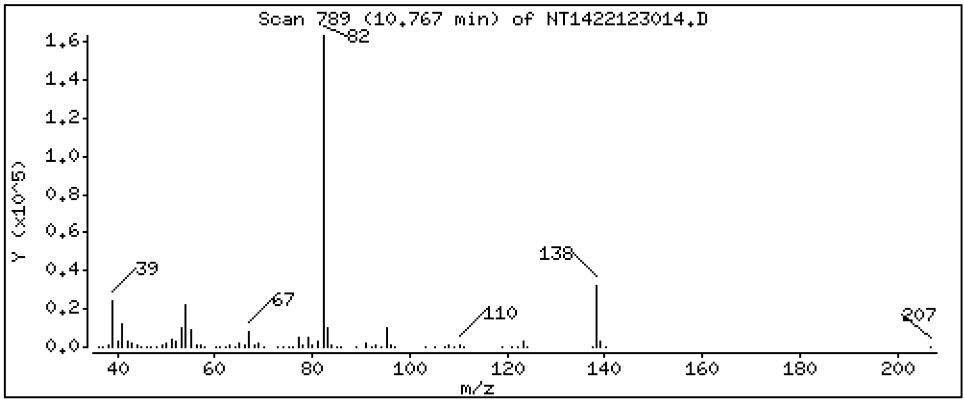
Operator: VTS

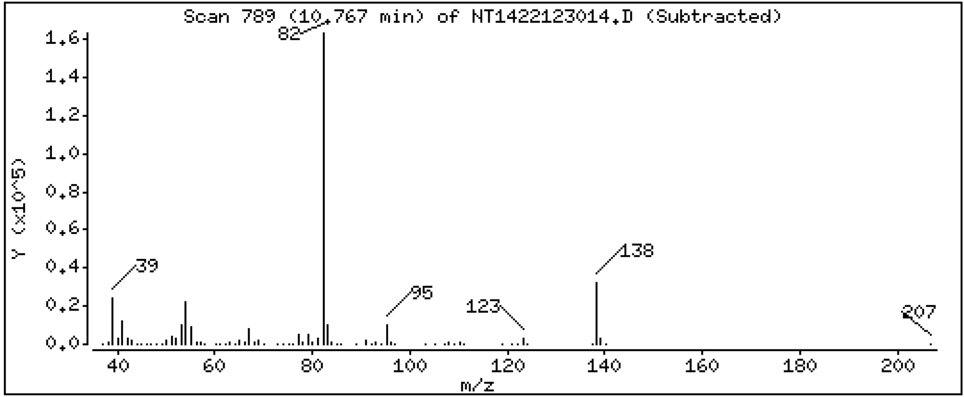
Column phase: ZB-5msi

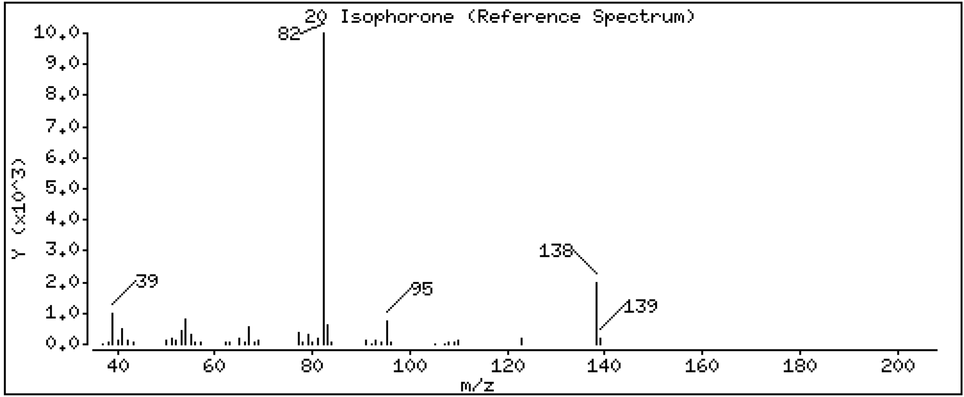
Column diameter: 0.25

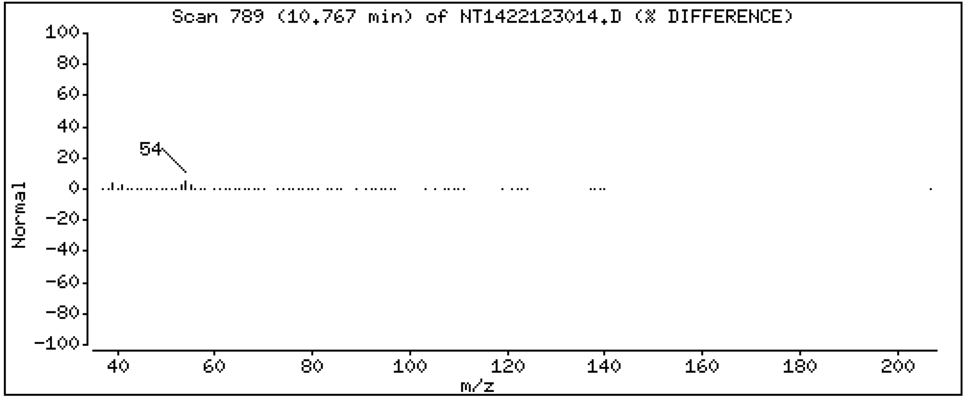
20 Isophorone

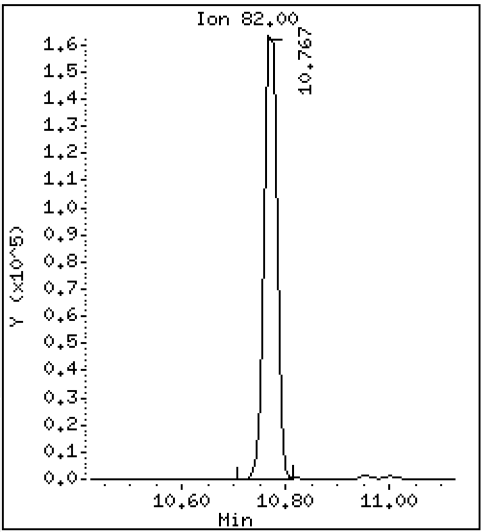
Concentration: 5.100 ug/mL


Scan 789 (10.767 min) of NT1422123014.D


Scan 789 (10.767 min) of NT1422123014.D (Subtracted)


20 Isophorone (Reference Spectrum)


Scan 789 (10.767 min) of NT1422123014.D (% DIFFERENCE)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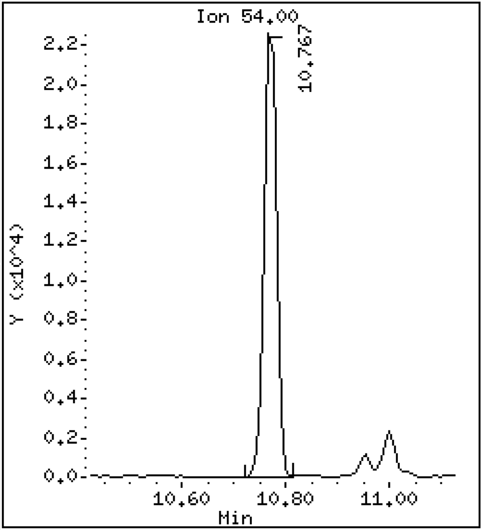
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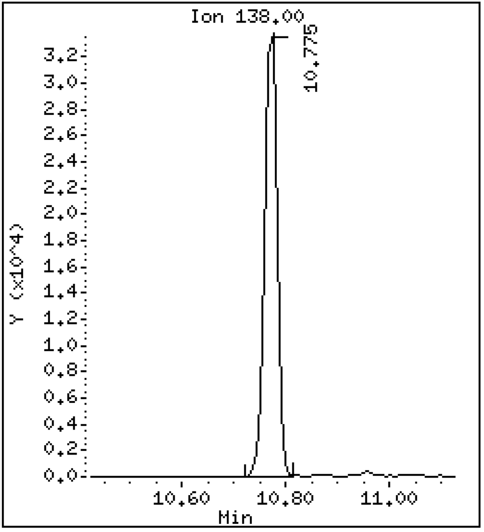

Ion 138.00

Data File: \\target\share\chem3\nt14.i\20221230.b\NT1422123014.D

Date : 30-DEC-2022 15:53

Client ID:

Instrument: nt14.i

Sample Info: SKL0355-ICV2

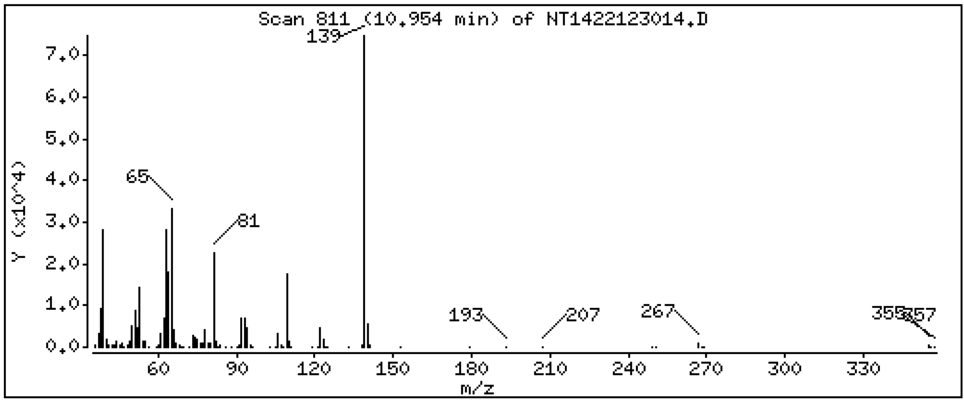
Operator: VTS

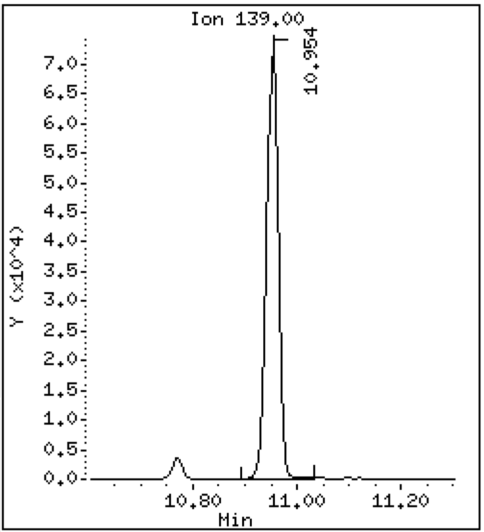
Column phase: ZB-5msi

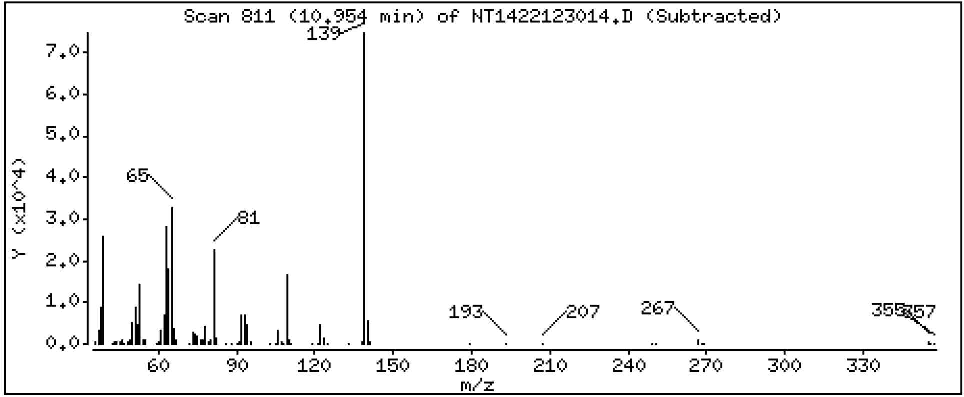
Column diameter: 0.25

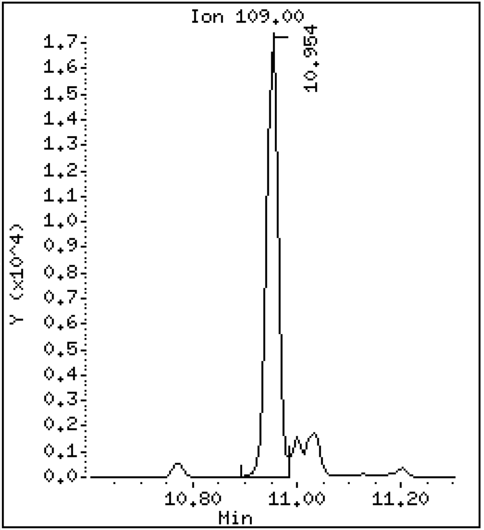
21 2-Nitrophenol

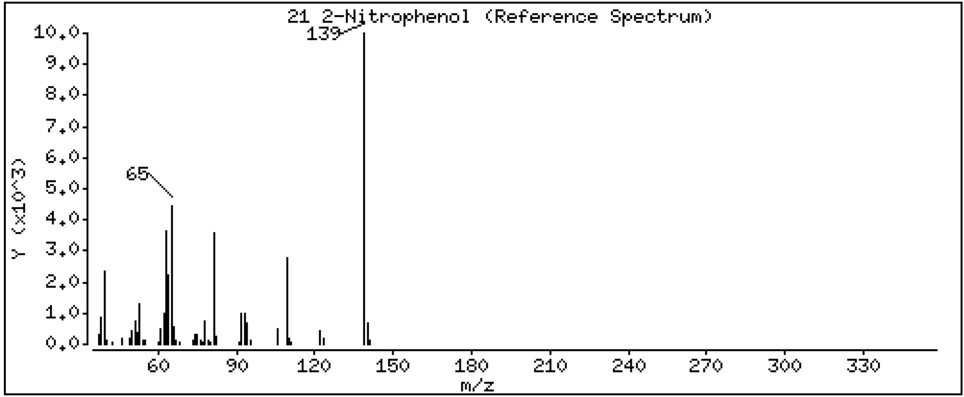
Concentration: 4.700 ug/mL

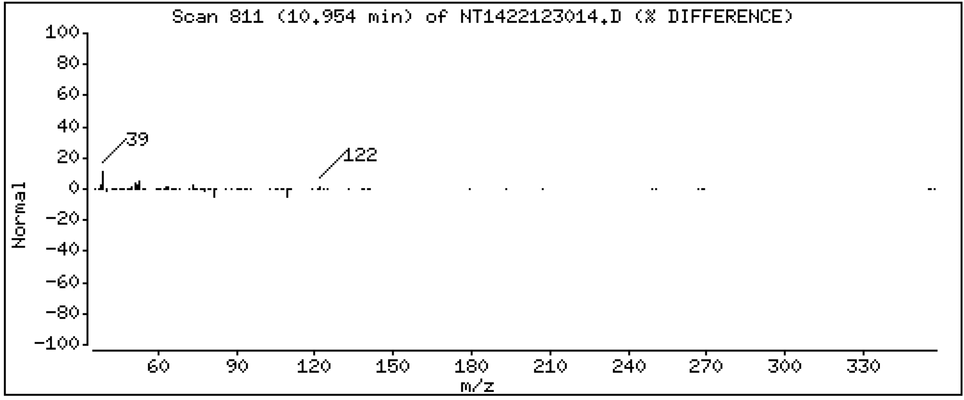


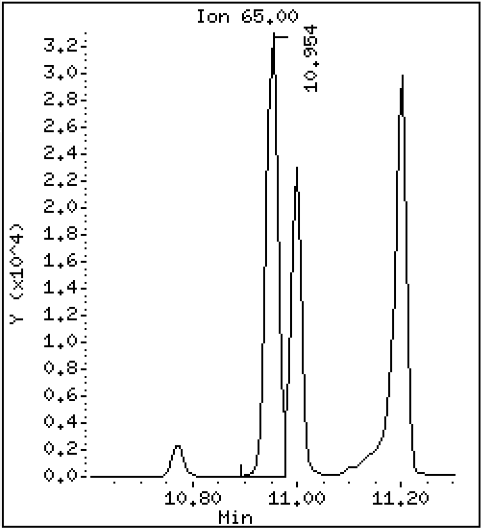












Data File: \\target\share\chem3\nt14.i\20221230.b\NT1422123014.D

Date : 30-DEC-2022 15:53

Client ID:

Instrument: nt14.i

Sample Info: SKL0355-ICV2

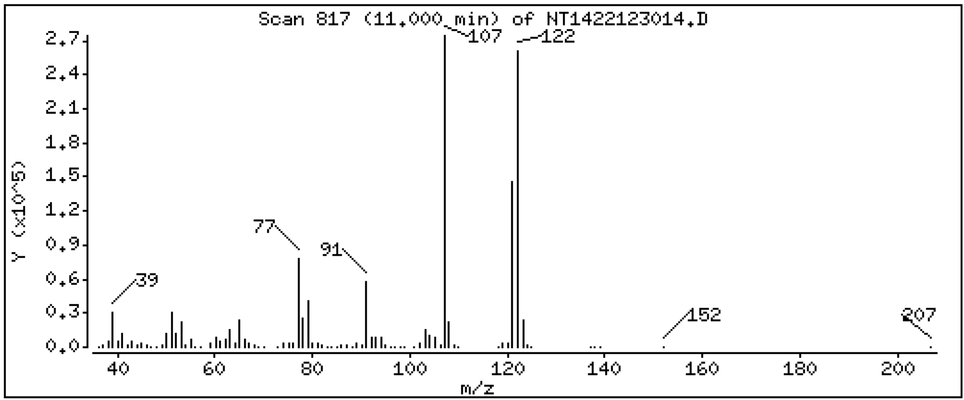
Operator: VTS

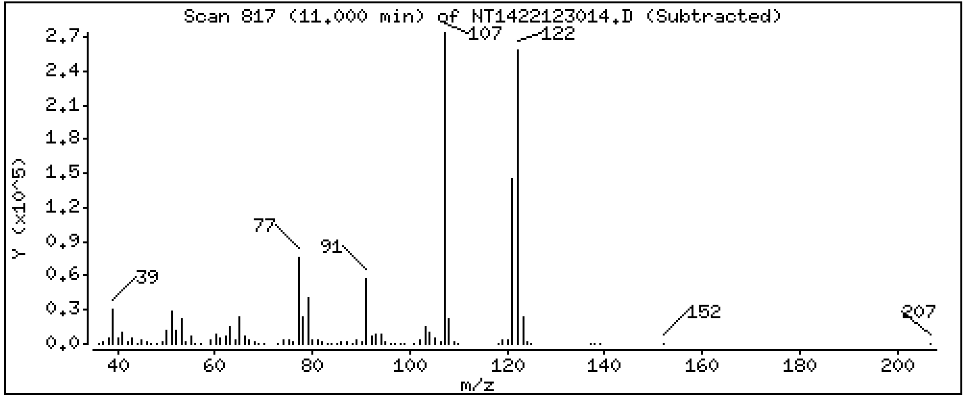
Column phase: ZB-5msi

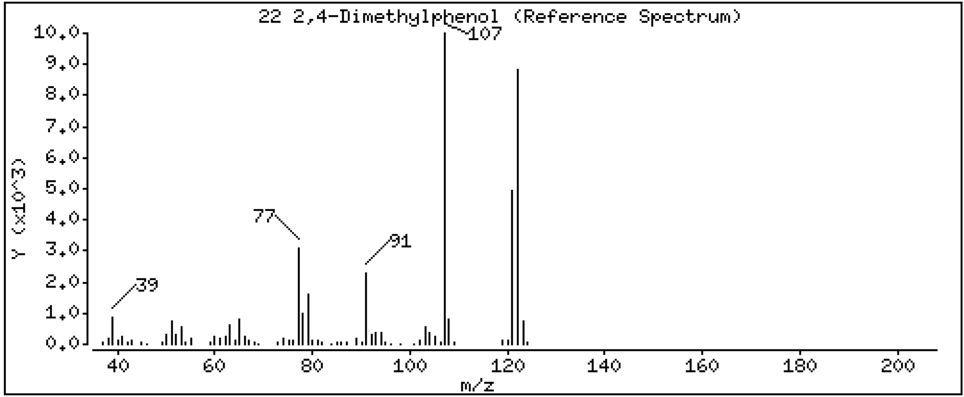
Column diameter: 0.25

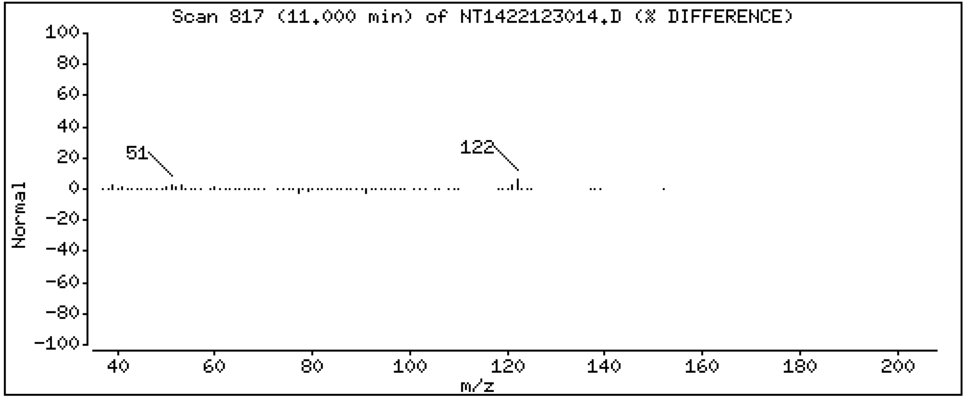
22 2,4-Dimethylphenol

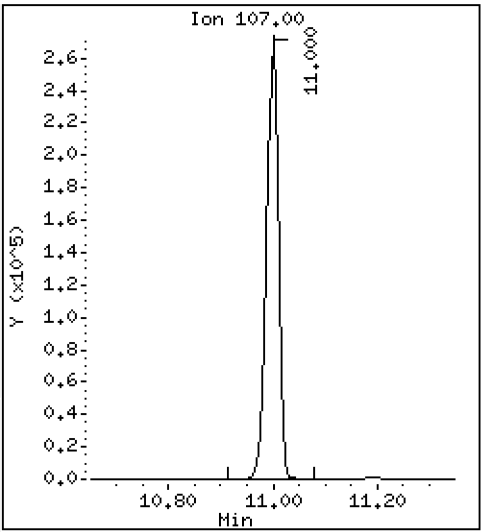
Concentration: 9.464 ug/mL

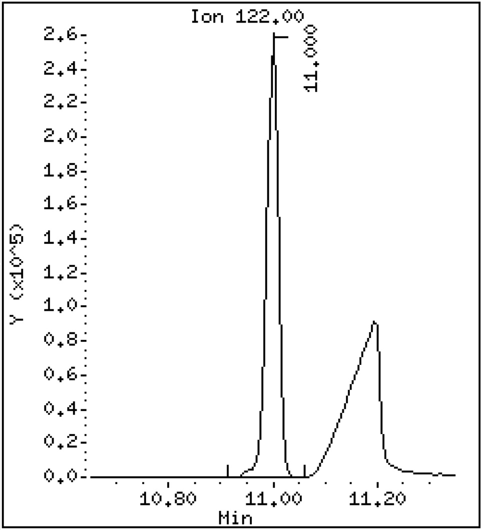


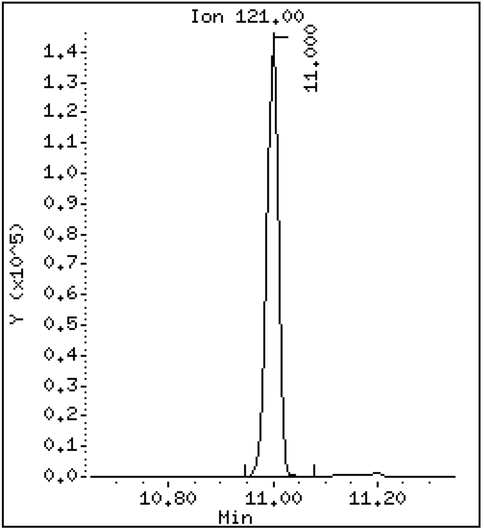












Data File: \\target\share\chem3\nt14.i\20221230.b\NT1422123014.D

Date : 30-DEC-2022 15:53

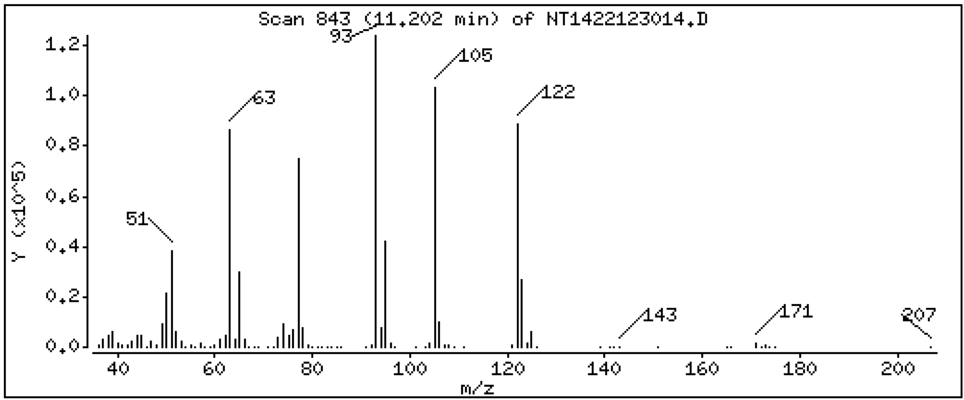
Client ID: Instrument: nt14.i

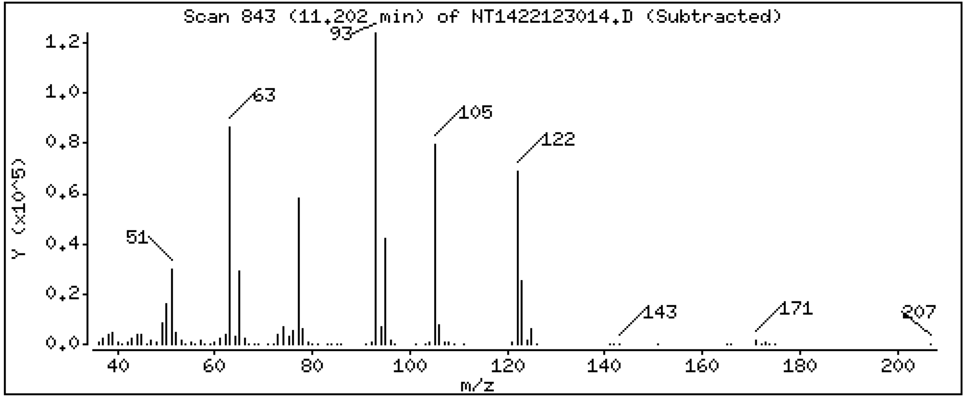
Sample Info: SKL0355-ICV2

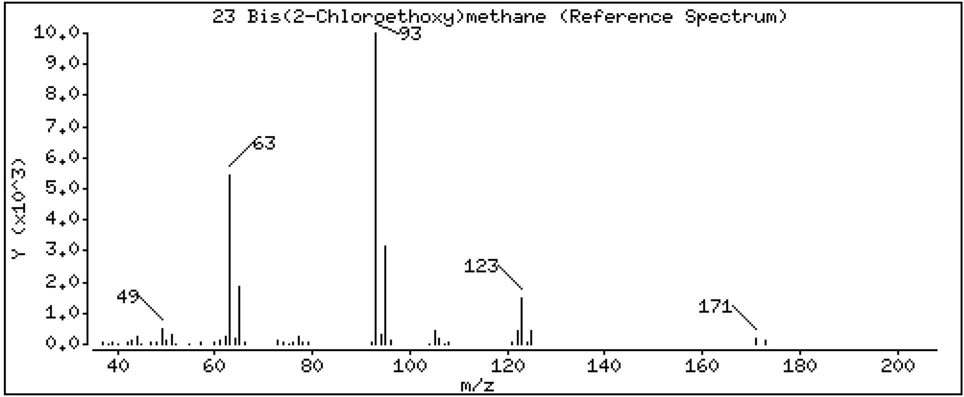
Operator: VTS

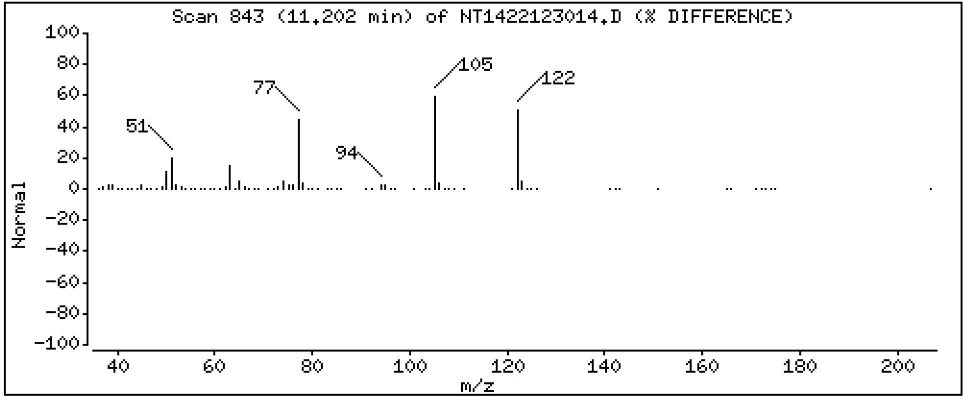
Column phase: ZB-5msi Column diameter: 0.25

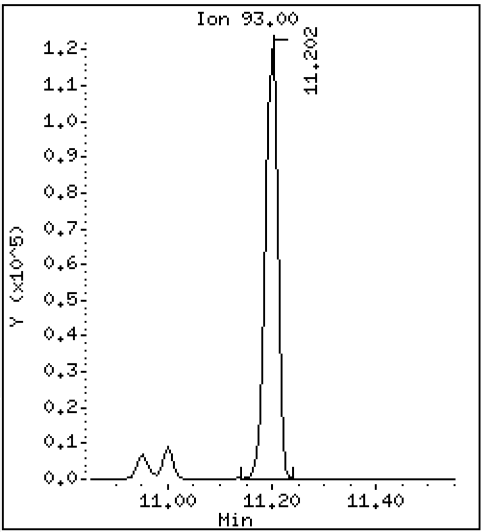
23 Bis(2-Chloroethoxy)methane Concentration: 4.648 ug/mL

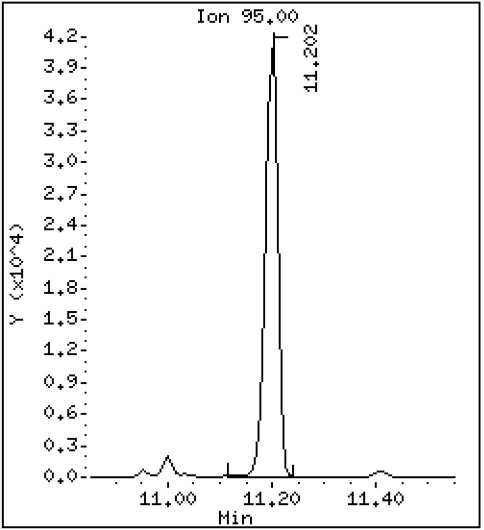

Scan 843 (11.202 min) of NT1422123014.D

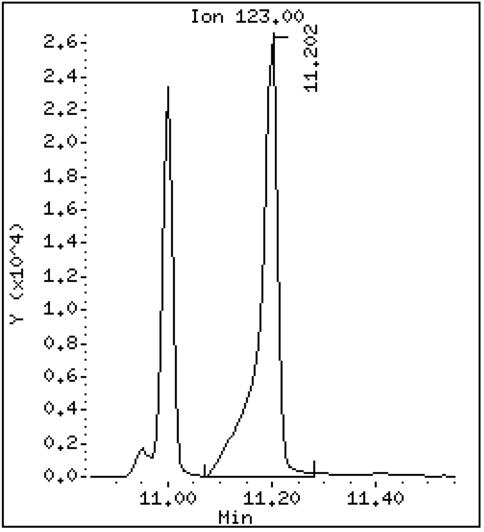

Scan 843 (11.202 min) of NT1422123014.D (Subtracted)


23 Bis(2-Chloroethoxy)methane (Reference Spectrum)


Scan 843 (11.202 min) of NT1422123014.D (% DIFFERENCE)


Ion 93.00


Ion 95.00


Ion 123.00

Data File: \\target\share\chem3\nt14.i\20221230.b\NT1422123014.D

Date : 30-DEC-2022 15:53

Client ID:

Instrument: nt14.i

Sample Info: SKL0355-ICV2

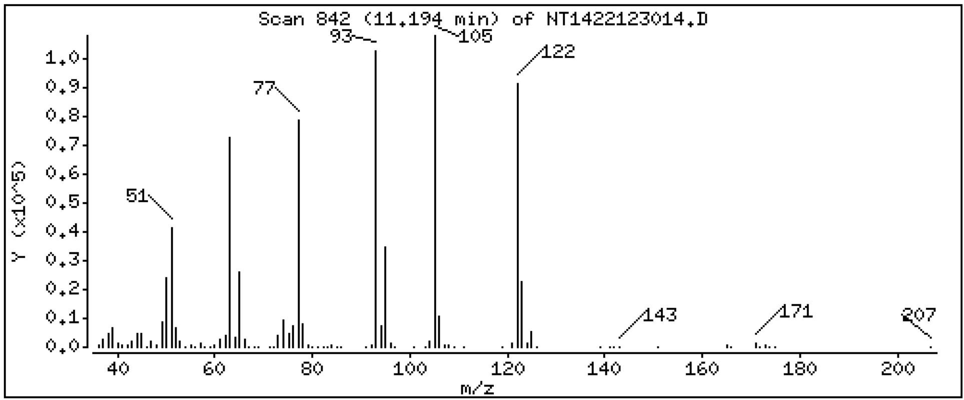
Operator: VTS

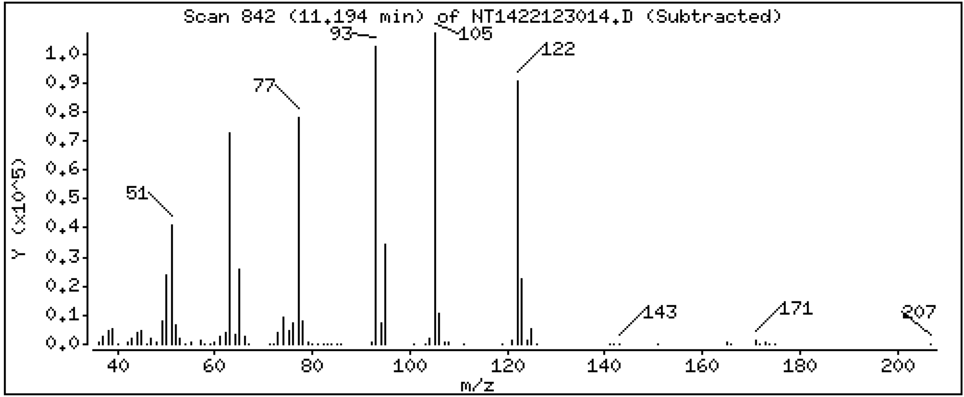
Column phase: ZB-5msi

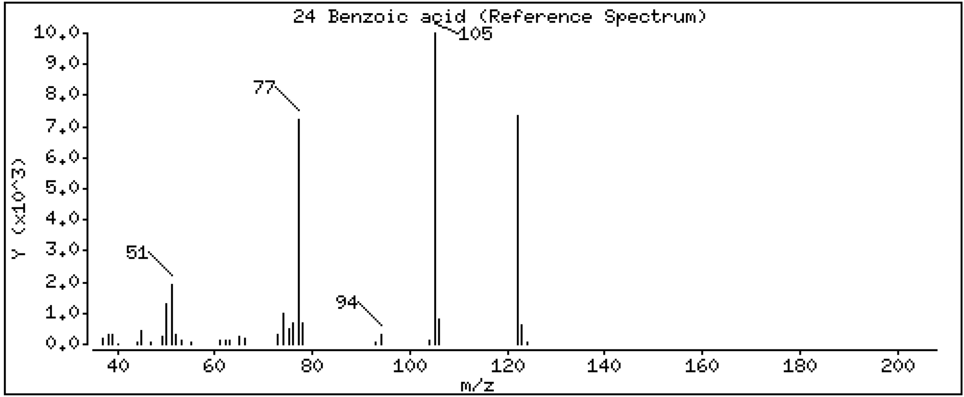
Column diameter: 0.25

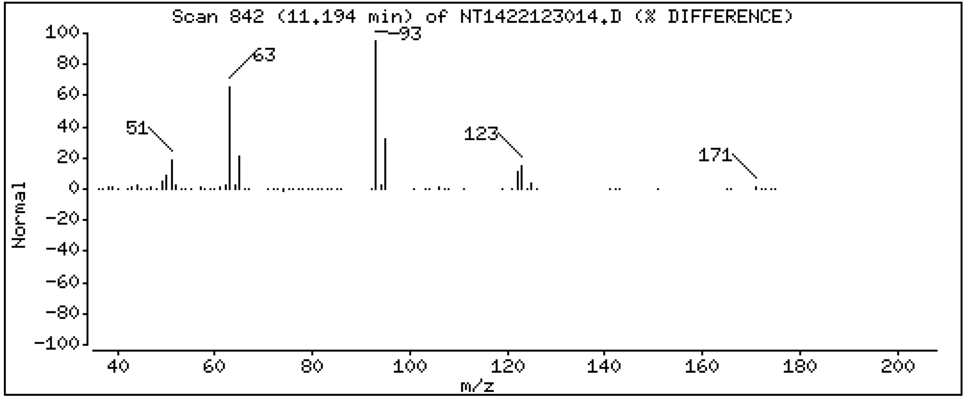
24 Benzoic acid

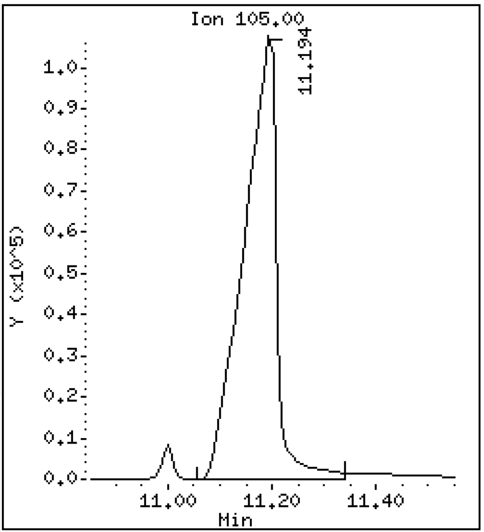
Concentration: 17.39 ug/mL

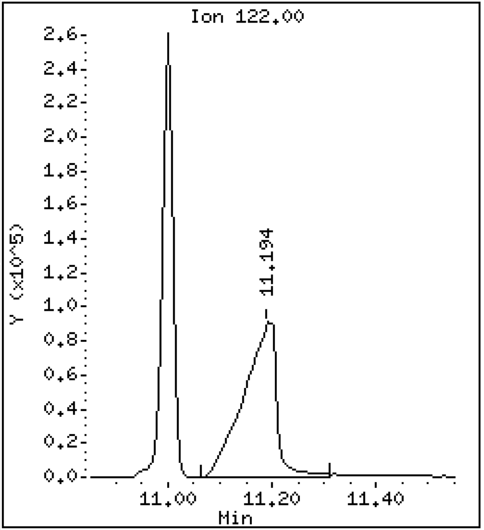

Scan 842 (11.194 min) of NT1422123014.D


Scan 842 (11.194 min) of NT1422123014.D (Subtracted)


24 Benzoic acid (Reference Spectrum)


Scan 842 (11.194 min) of NT1422123014.D (% DIFFERENCE)


Ion 105.00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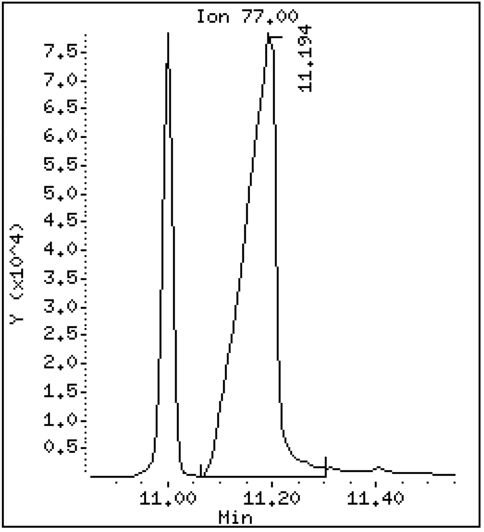

Ion 77.00

Data File: \\target\share\chem3\nt14.i\20221230.b\NT1422123014.D

Date : 30-DEC-2022 15:53

Client ID:

Instrument: nt14.i

Sample Info: SKL0355-ICV2

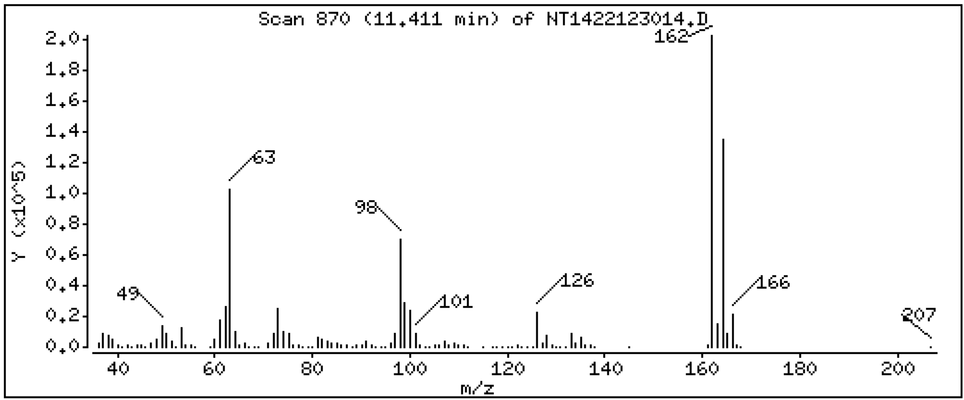
Operator: VTS

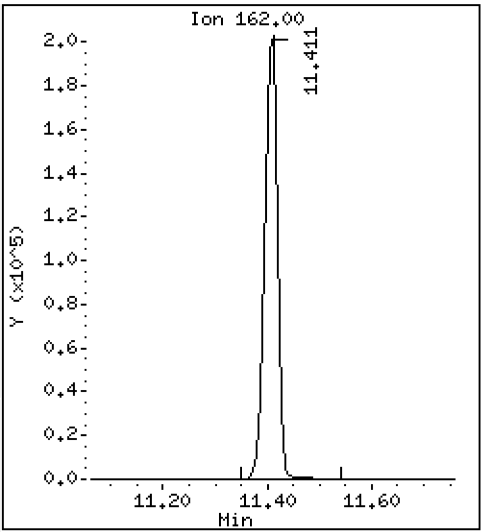
Column phase: ZB-5msi

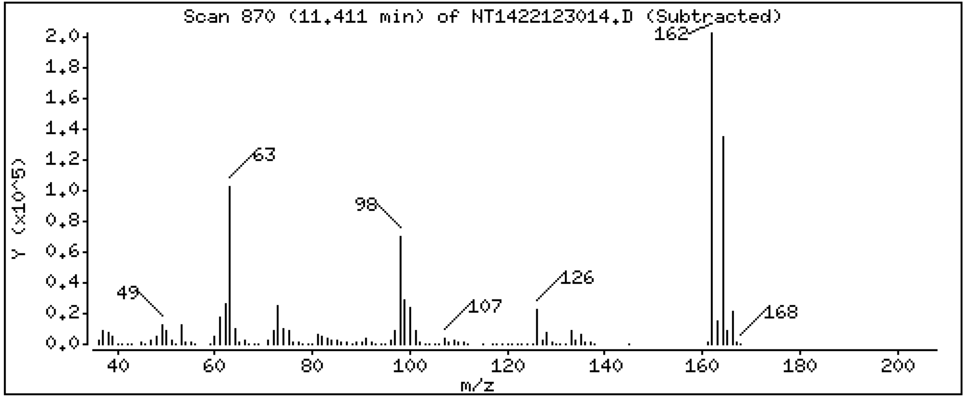
Column diameter: 0.25

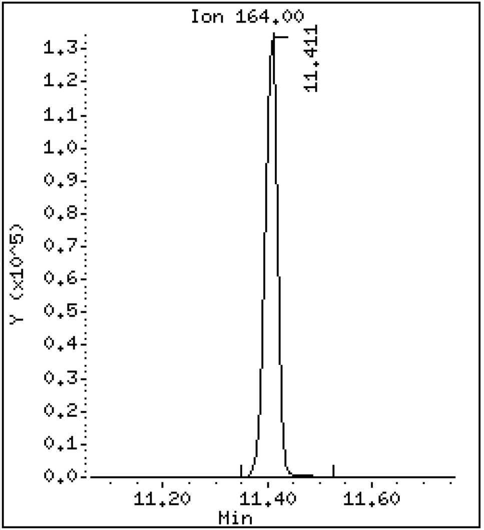
25 2,4-Dichlorophenol

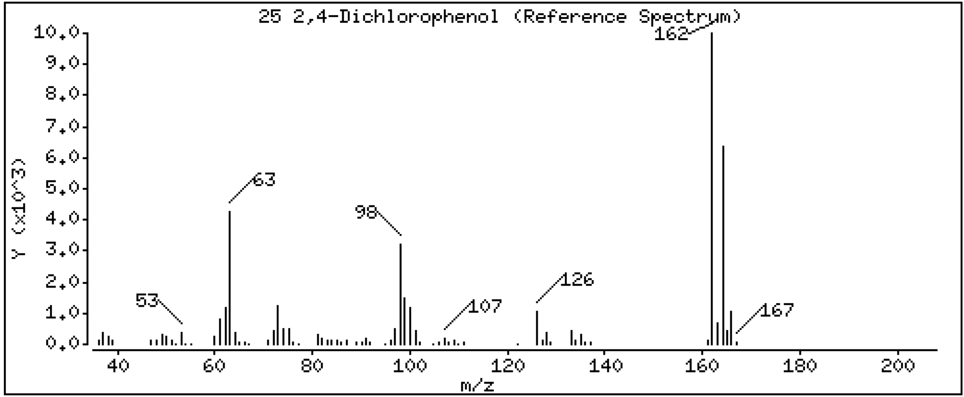
Concentration: 10.02 ug/mL

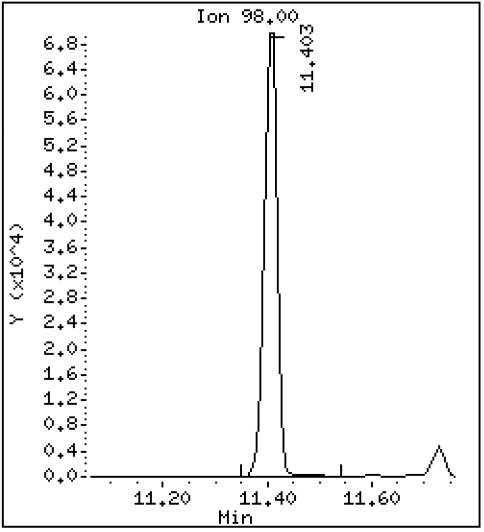

Scan 870 (11.411 min) of NT1422123014.D

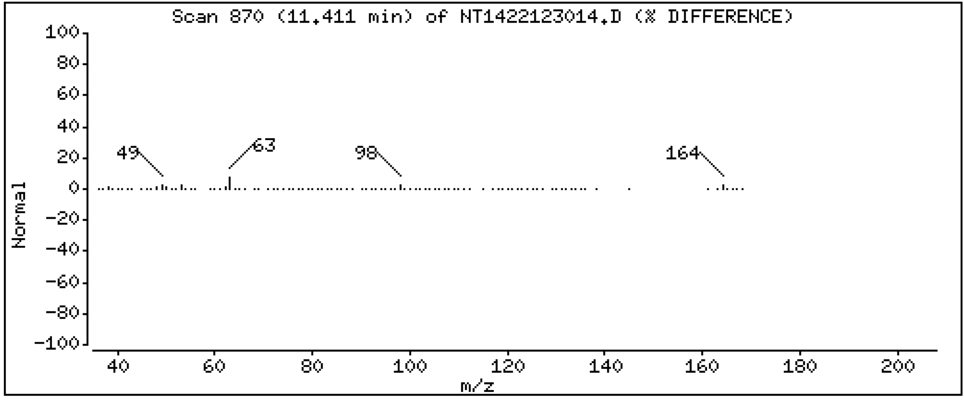

Ion 162.00


Scan 870 (11.411 min) of NT1422123014.D (Subtracted)


Ion 164.00


25 2,4-Dichlorophenol (Reference Spectrum)


Ion 98.00


Scan 870 (11.411 min) of NT1422123014.D (% DIFFERENCE)

Data File: \\target\share\chem3\nt14.i\20221230.b\NT1422123014.D

Date : 30-DEC-2022 15:53

Client ID:

Instrument: nt14.i

Sample Info: SKL0355-ICV2

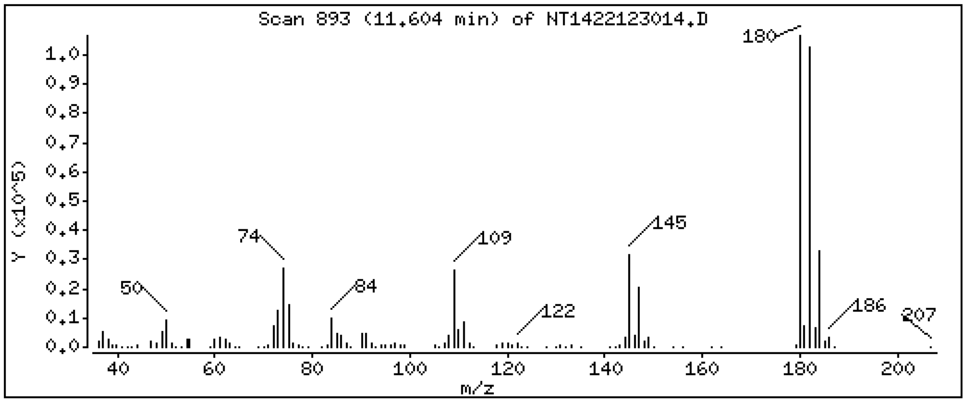
Operator: VTS

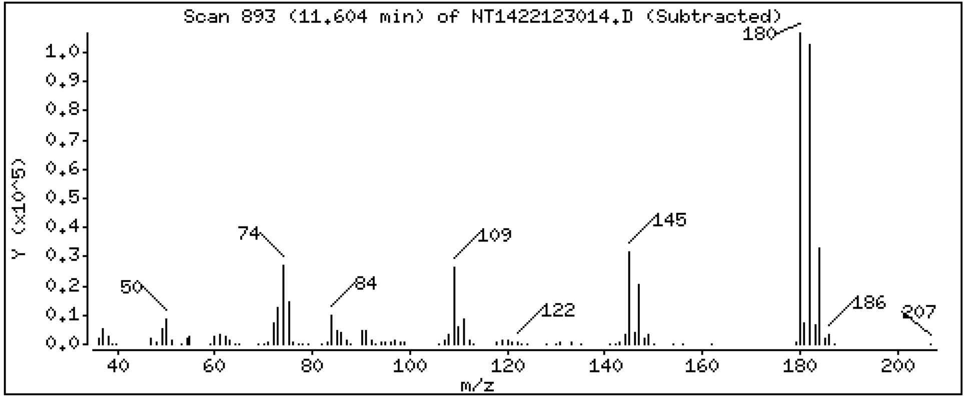
Column phase: ZB-5msi

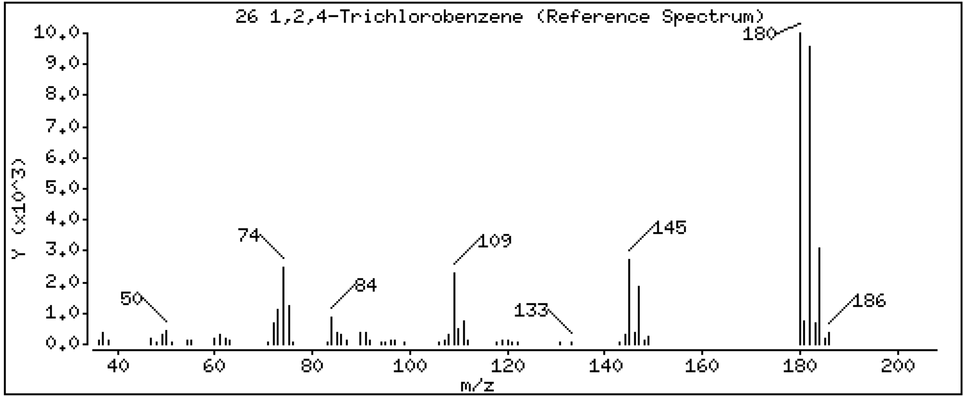
Column diameter: 0.25

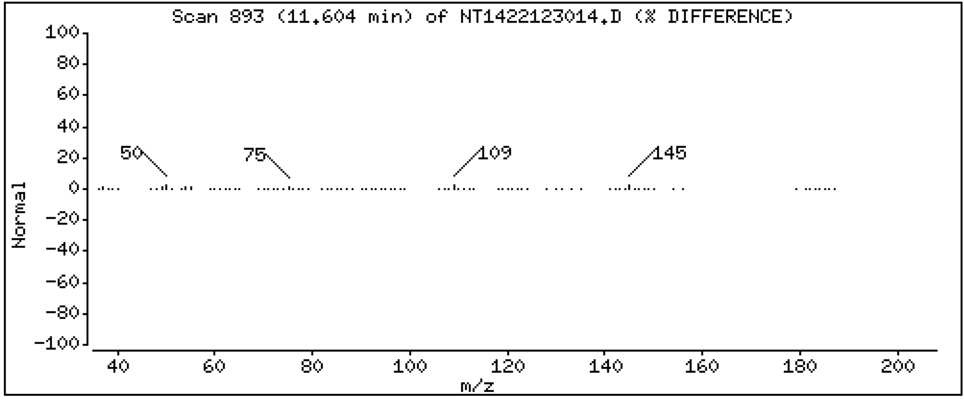
26 1,2,4-Trichlorobenzene

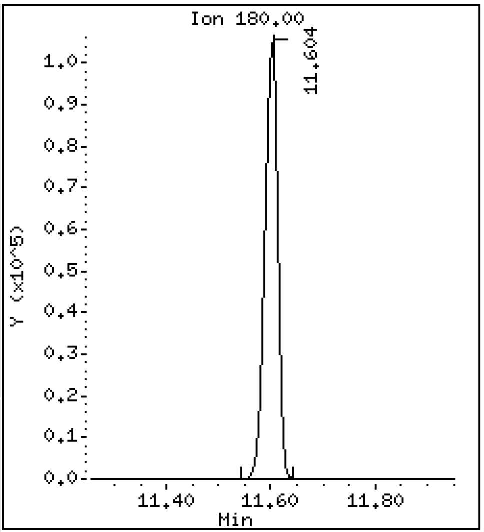
Concentration: 4.464 ug/mL

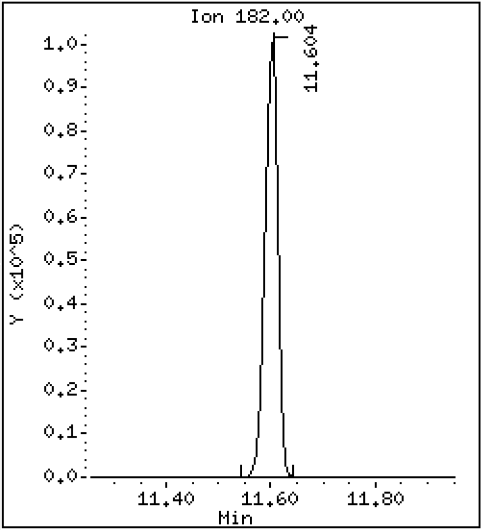


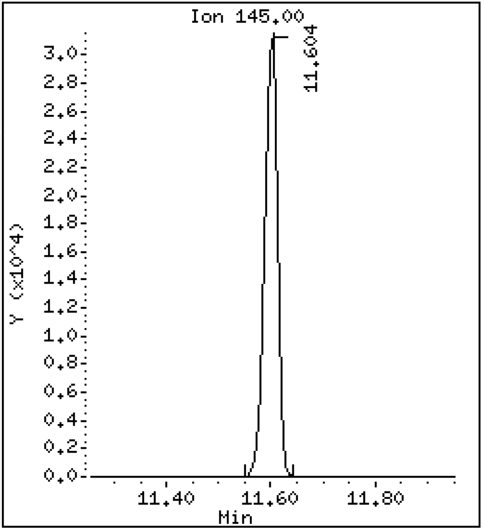












Data File: \\target\share\chem3\nt14.i\20221230.b\NT1422123014.D

Date : 30-DEC-2022 15:53

Client ID:

Instrument: nt14.i

Sample Info: SKL0355-ICV2

Operator: VTS

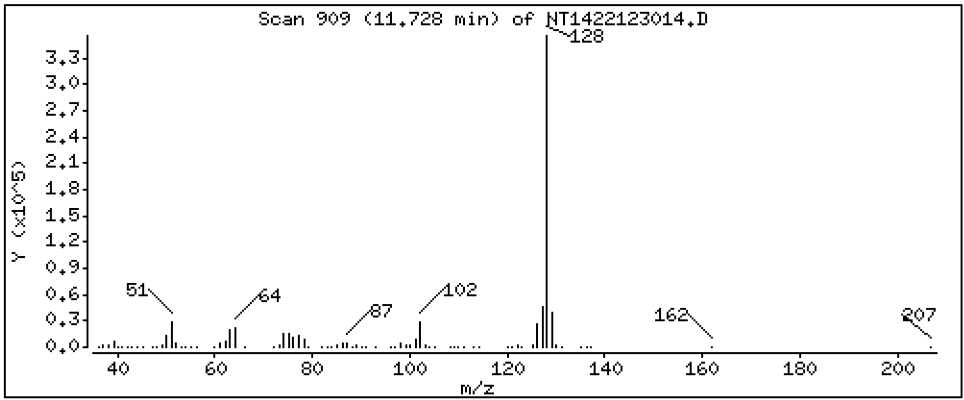
Column phase: ZB-5msi

Column diameter: 0.25

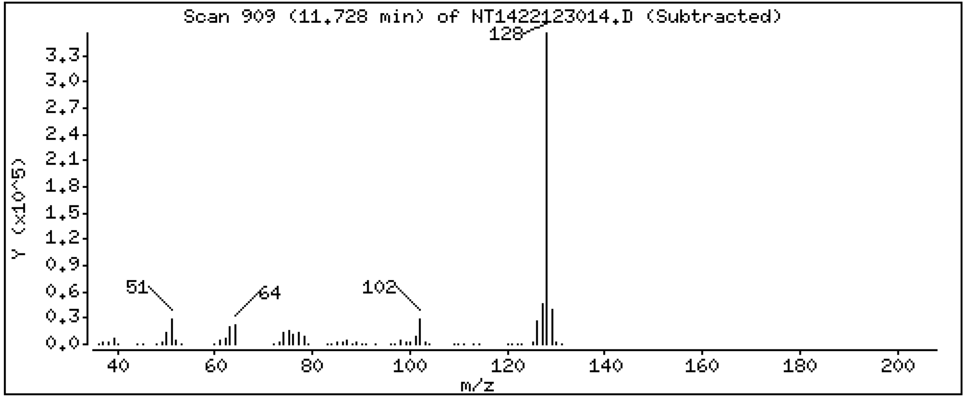
28 Naphthalene

Concentration: 4.578 ug/mL

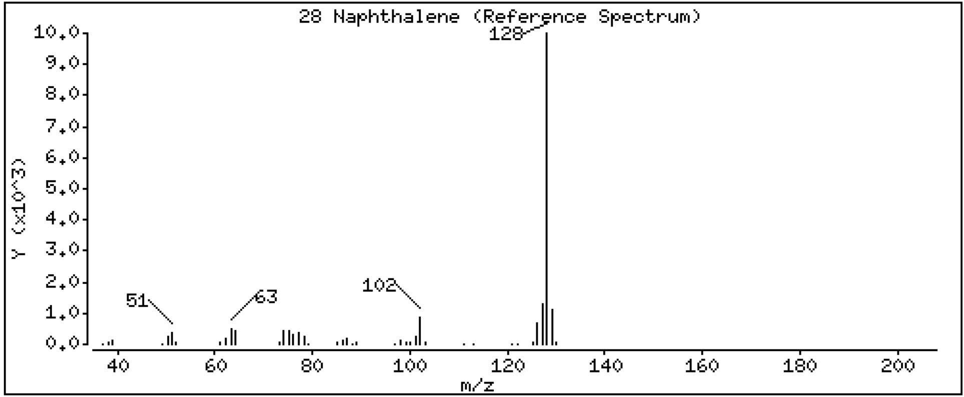
Scan 909 (11.728 min) of NT1422123014.D



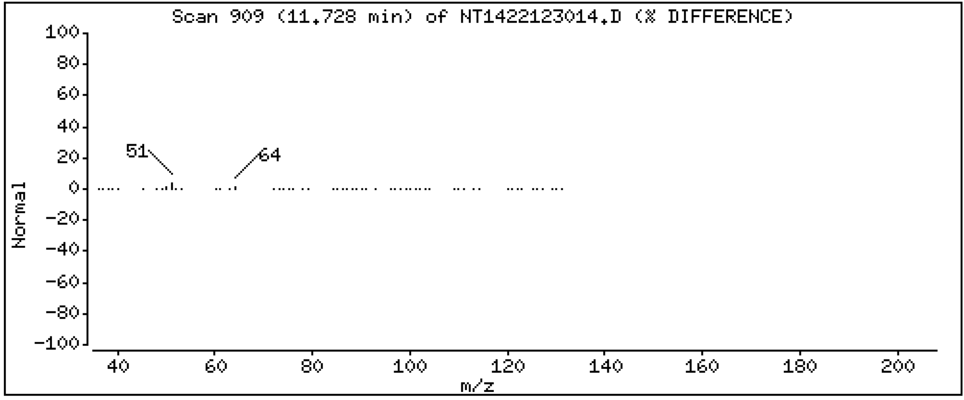
Scan 909 (11.728 min) of NT1422123014.D (Subtracted)



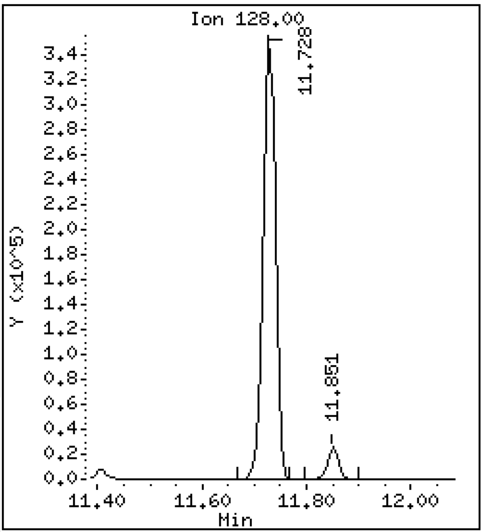
28 Naphthalene (Reference Spectrum)



Scan 909 (11.728 min) of NT1422123014.D (% DIFFERENCE)



Ion 128.00



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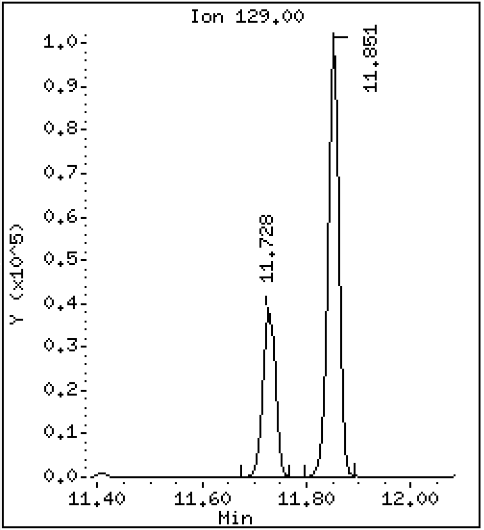

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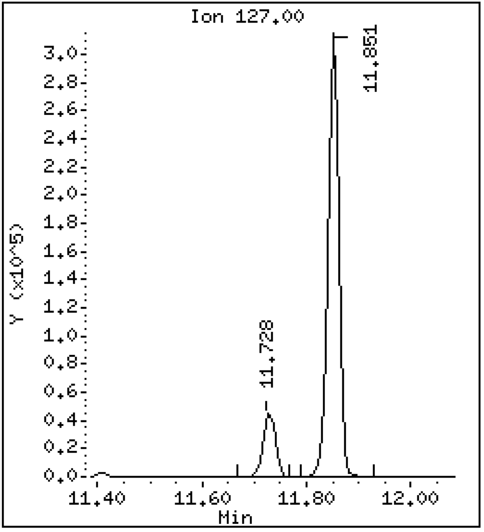


Data File: \\target\share\chem3\nt14.i\20221230.b\NT1422123014.D

Date : 30-DEC-2022 15:53

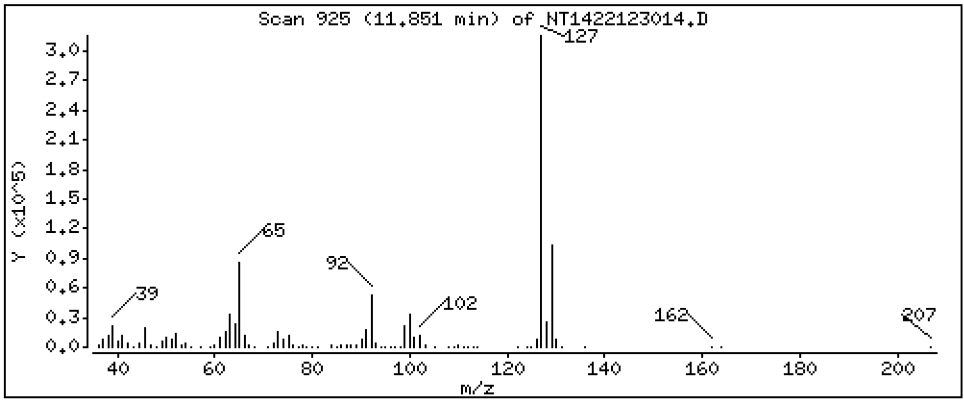
Client ID: Instrument: nt14.i

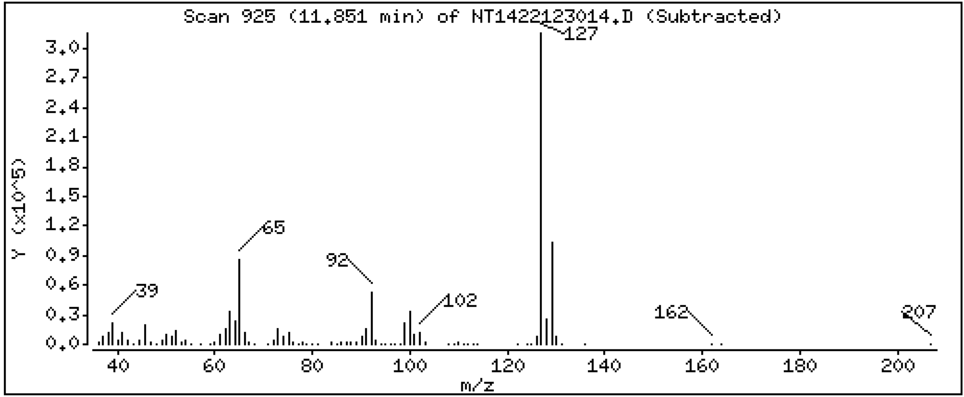
Sample Info: SKL0355-ICV2

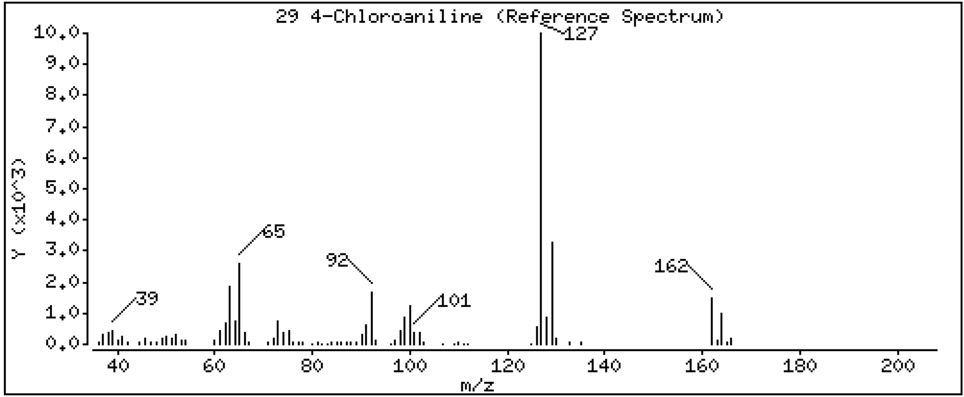
Operator: VTS

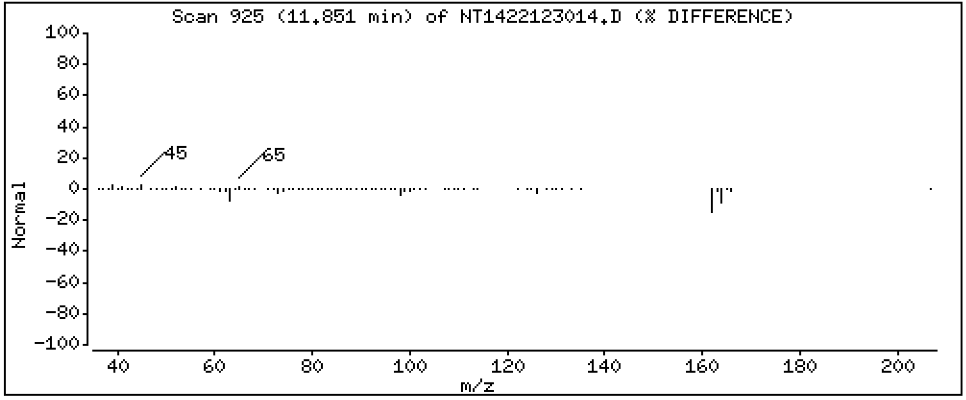
Column phase: ZB-5msi Column diameter: 0.25

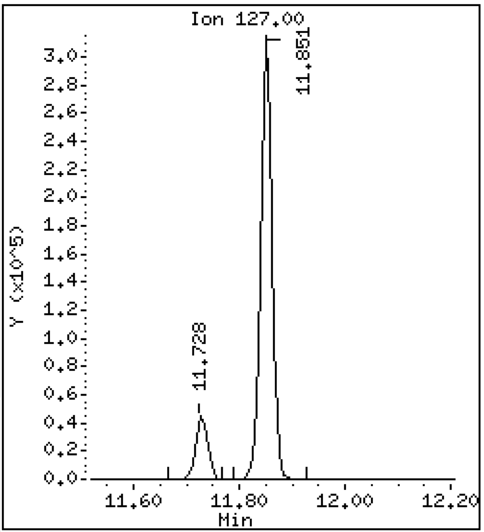
29 4-Chloroaniline Concentration: 9.732 ug/mL

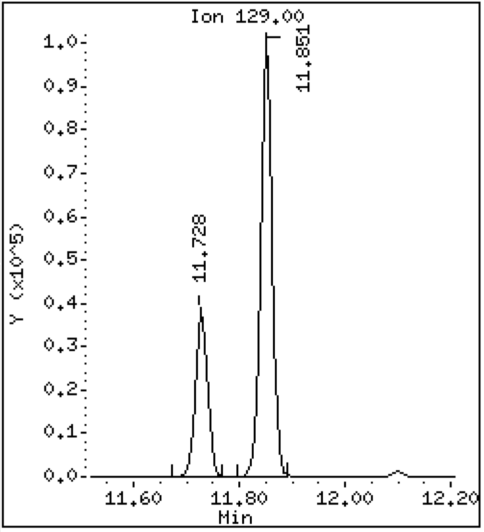

Scan 925 (11.851 min) of NT1422123014.D


Scan 925 (11.851 min) of NT1422123014.D (Subtracted)


29 4-Chloroaniline (Reference Spectrum)


Scan 925 (11.851 min) of NT1422123014.D (% DIFFERENCE)


Ion 127.00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Date : 30-DEC-2022 15:53

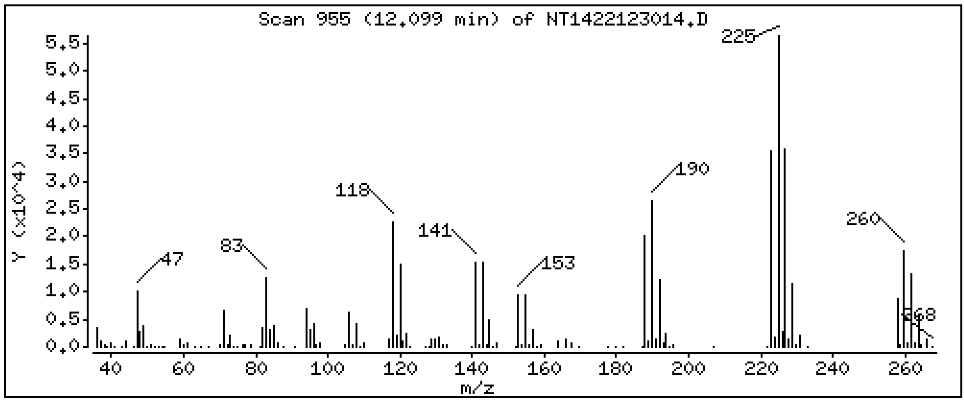
Client ID: Instrument: nt14.i

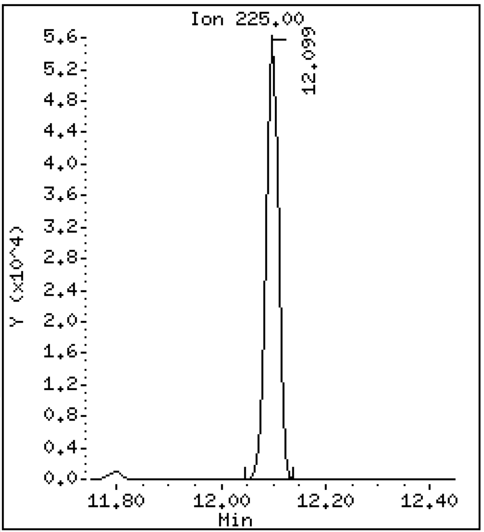
Sample Info: SKL0355-ICV2

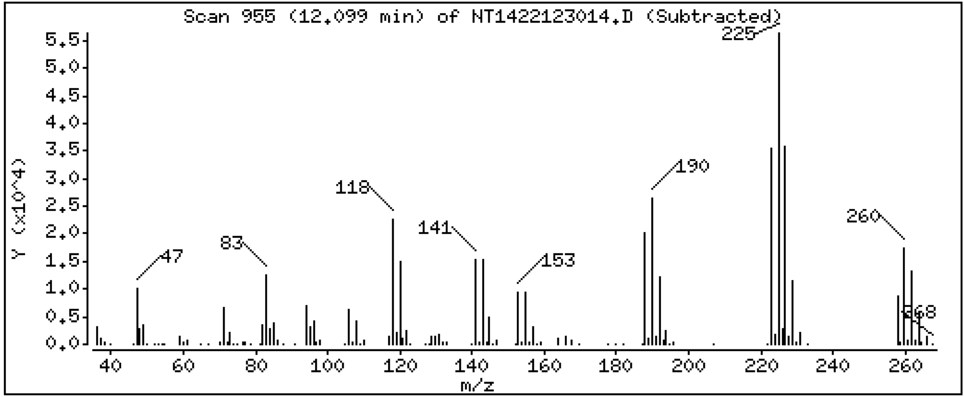
Operator: VTS

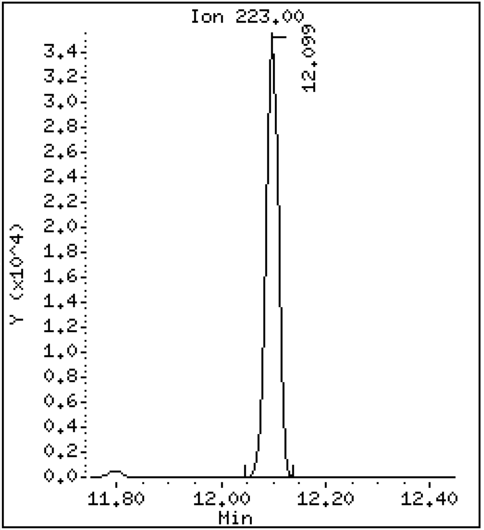
Column phase: ZB-5msi Column diameter: 0.25

30 Hexachlorobutadiene Concentration: 4.536 ug/mL


Scan 955 (12.099 min) of NT1422123014.D


Ion 225.00


Scan 955 (12.099 min) of NT1422123014.D (Subtracted)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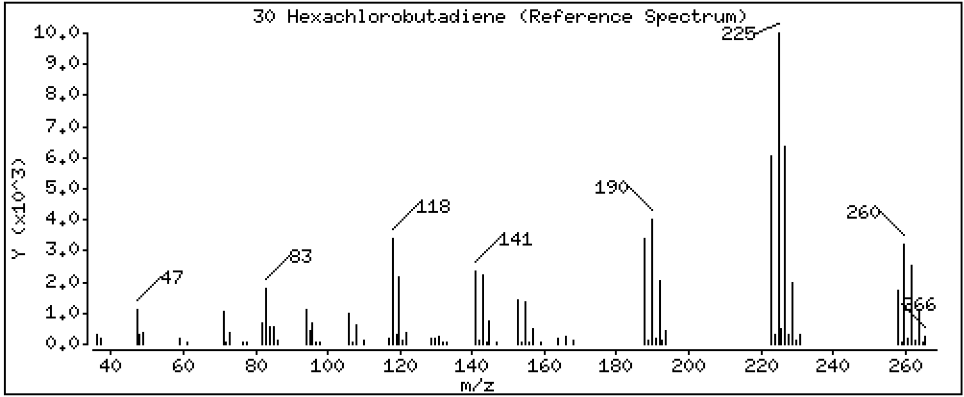
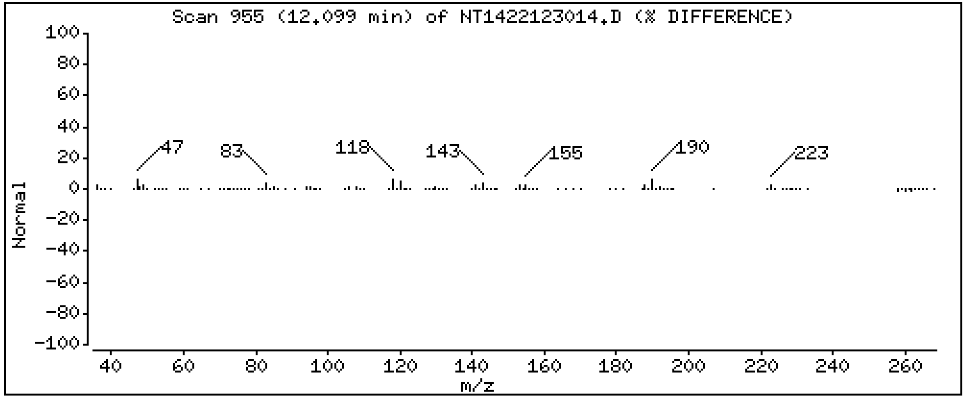
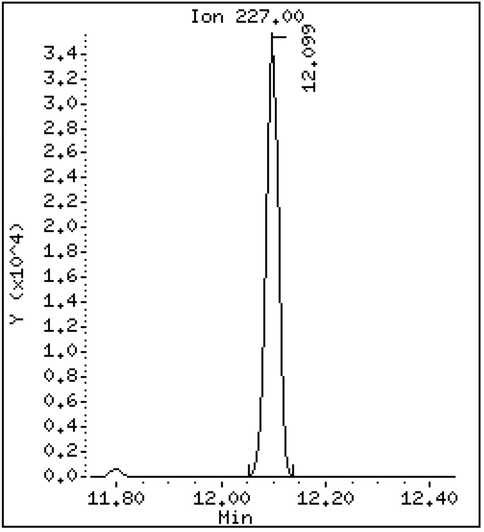

30 Hexachlorobutadiene (Reference Spectrum)


Scan 955 (12.099 min) of NT1422123014.D (% DIFFERENCE)


Ion 227.00

Data File: \\target\share\chem3\nt14.i\20221230.b\NT1422123014.D

Date : 30-DEC-2022 15:53

Client ID:

Instrument: nt14.i

Sample Info: SKL0355-ICV2

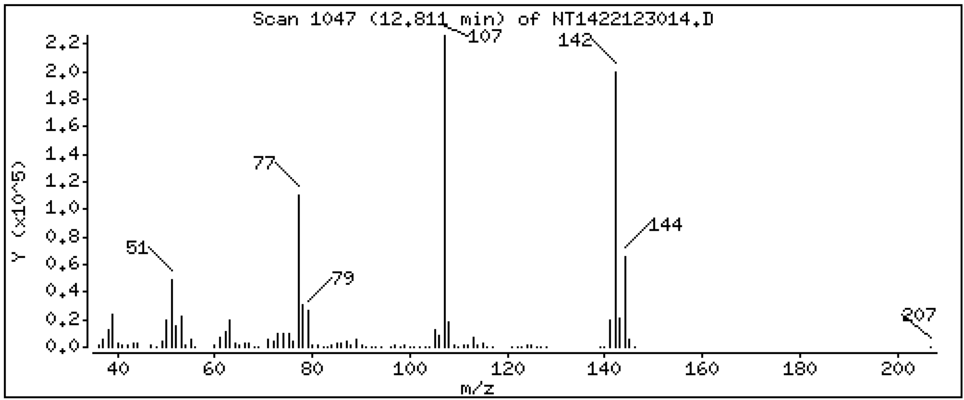
Operator: VTS

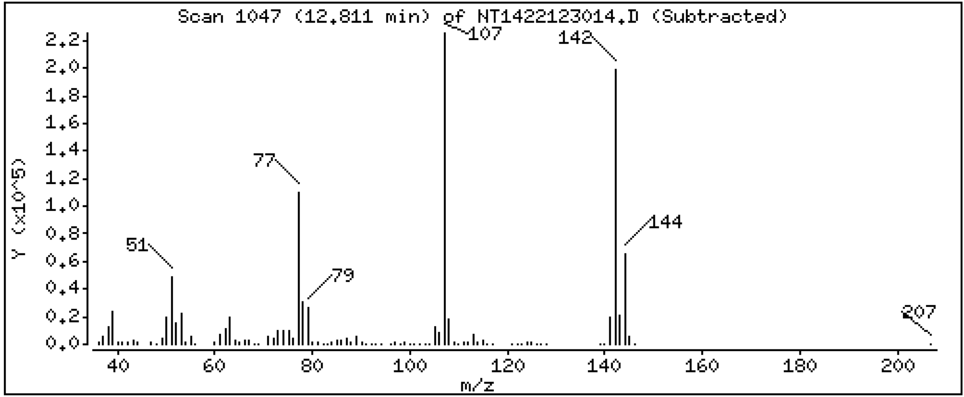
Column phase: ZB-5msi

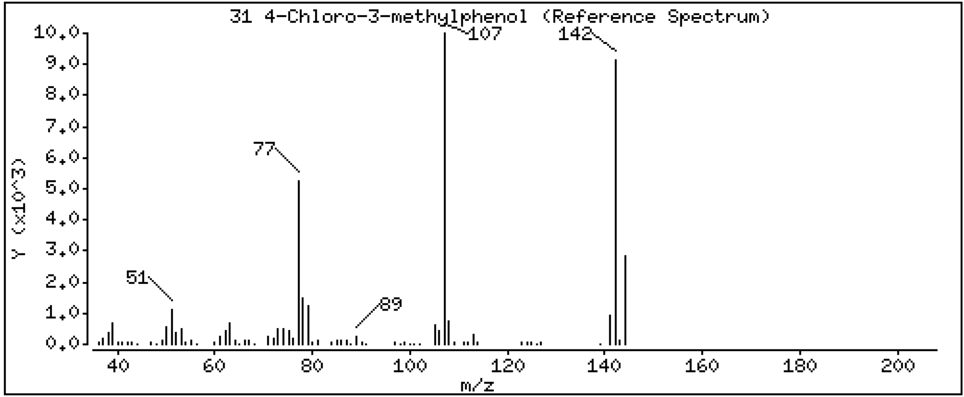
Column diameter: 0.25

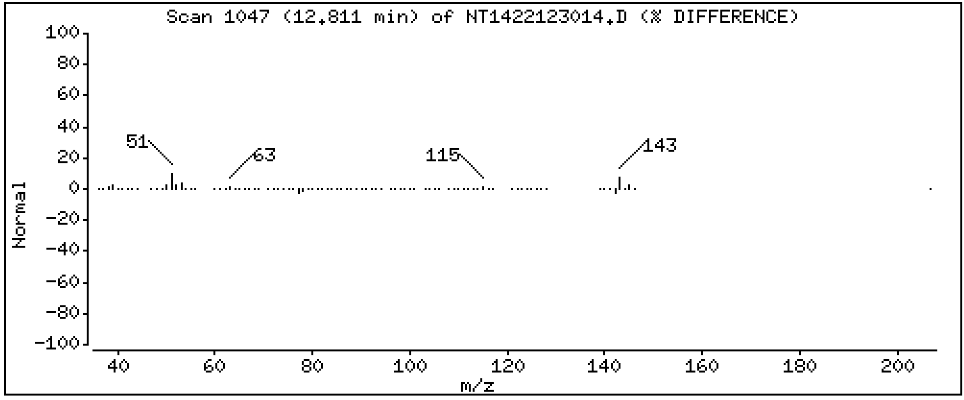
31 4-Chloro-3-methylphenol

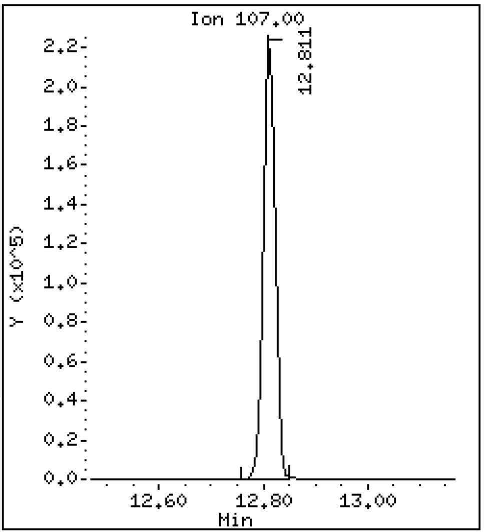
Concentration: 10.02 ug/mL

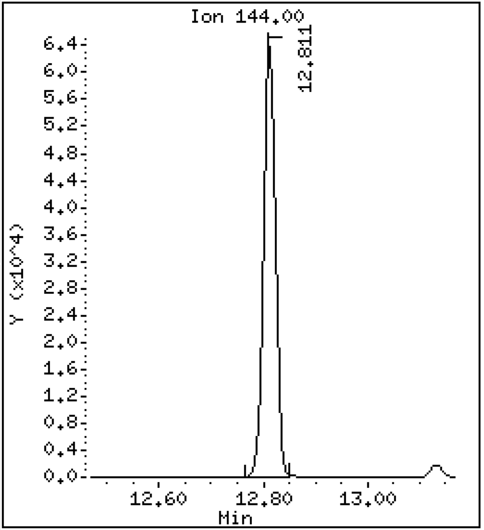


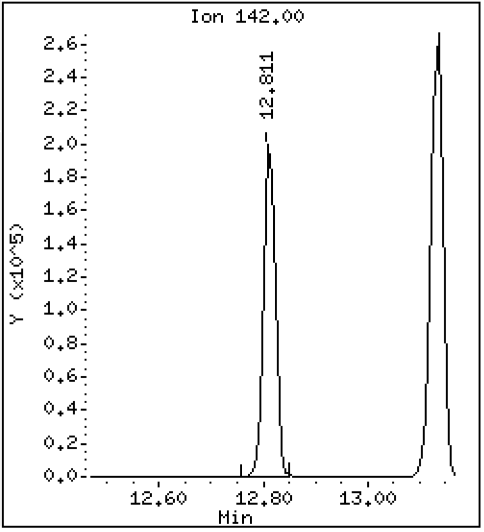












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Date : 30-DEC-2022 15:53

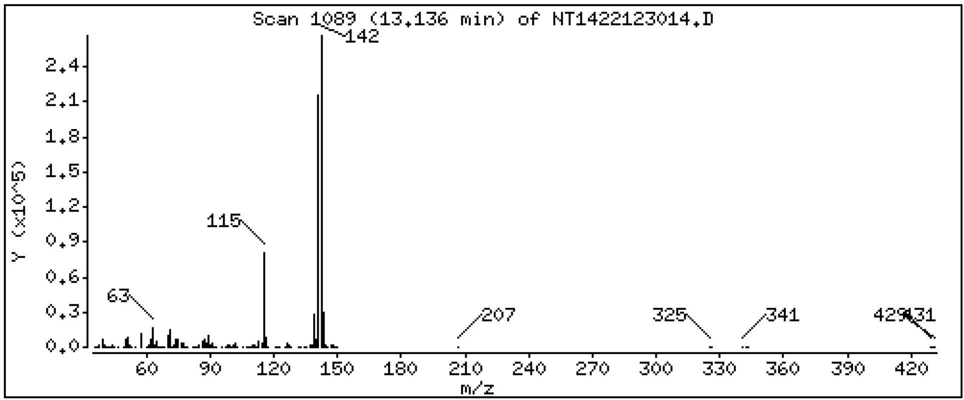
Client ID: Instrument: nt14.i

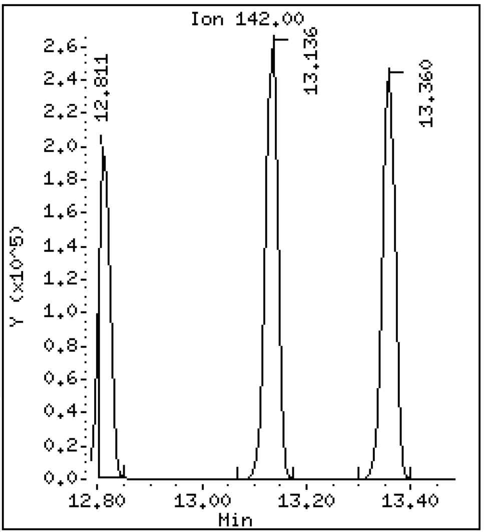
Sample Info: SKL0355-ICV2

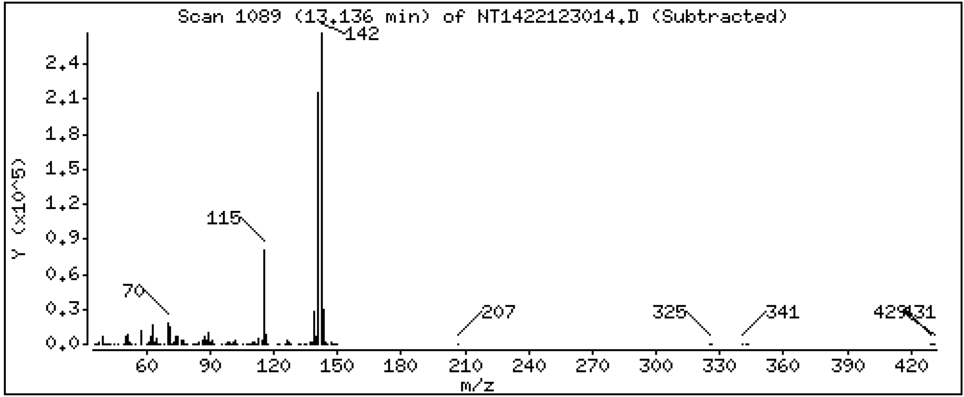
Operator: VTS

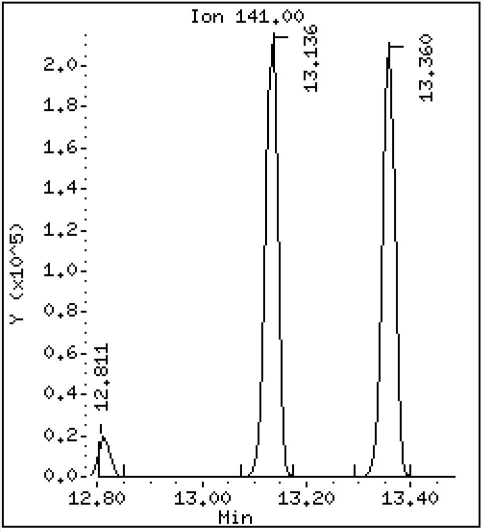
Column phase: ZB-5msi Column diameter: 0.25

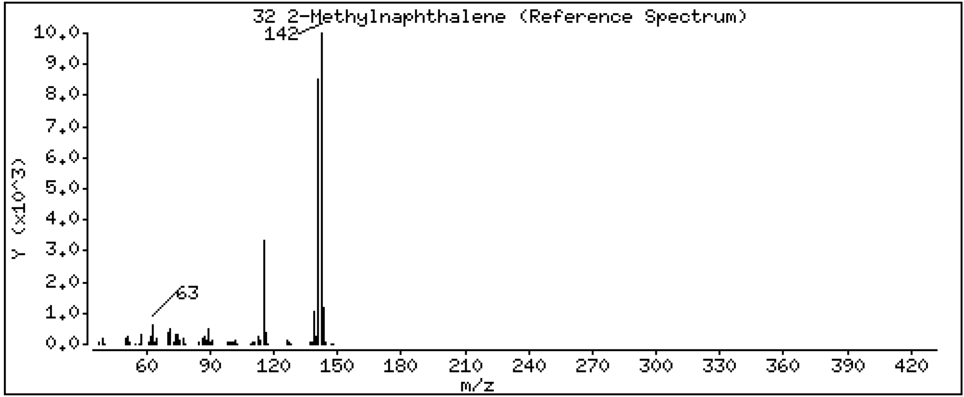
32 2-Methylnaphthalene Concentration: 4.684 ug/mL

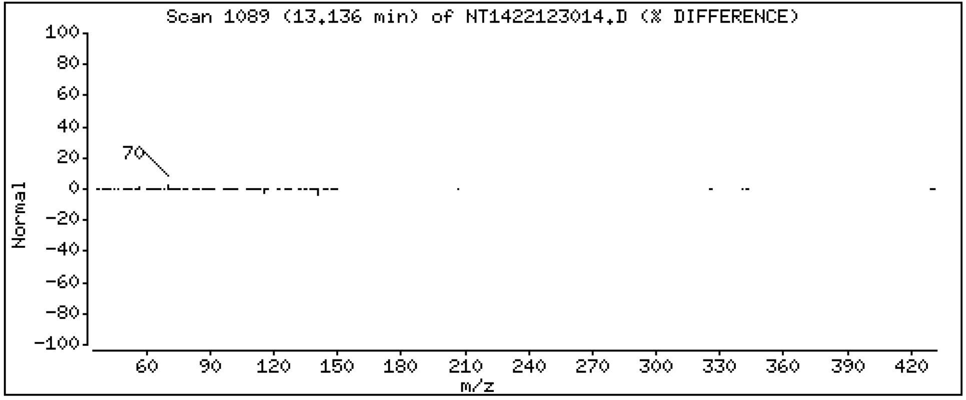

Scan 1089 (13.136 min) of NT1422123014.D


Ion 142.00


Scan 1089 (13.136 min) of NT1422123014.D (Subtracted)


Ion 141.00


32 2-Methylnaphthalene (Reference Spectrum)


Scan 1089 (13.136 min) of NT1422123014.D (% DIFFERENCE)

Data File: \\target\share\chem3\nt14.i\20221230.b\NT1422123014.D

Date : 30-DEC-2022 15:53

Client ID:

Instrument: nt14.i

Sample Info: SKL0355-ICV2

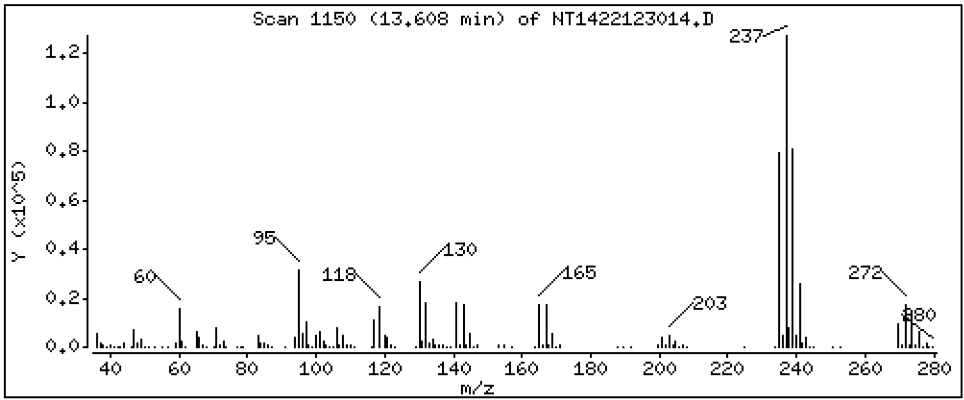
Operator: VTS

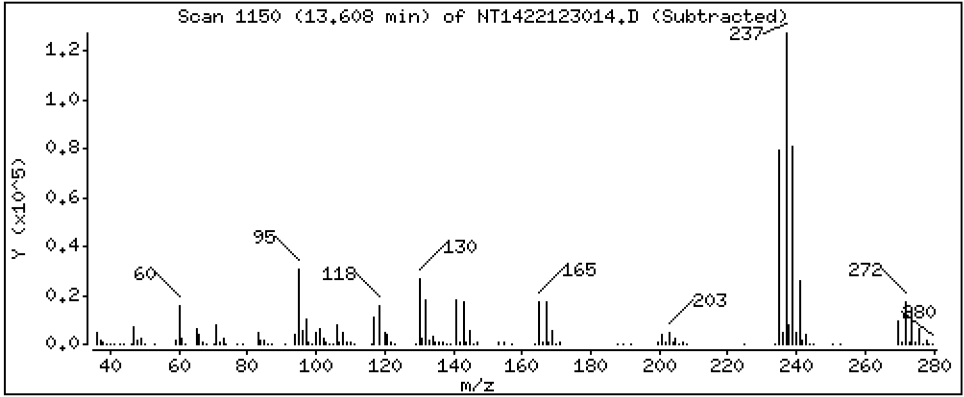
Column phase: ZB-5msi

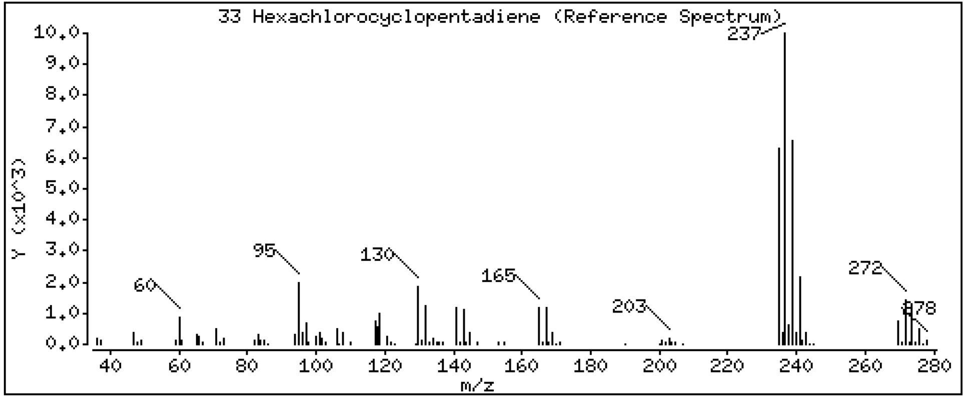
Column diameter: 0.25

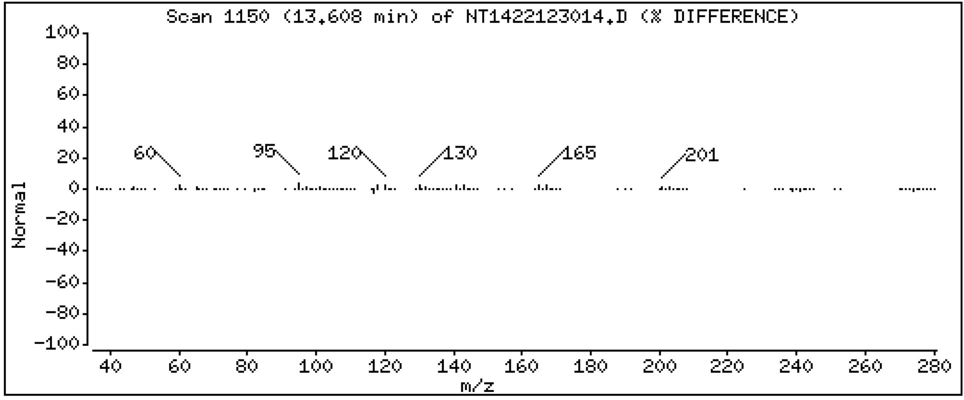
33 Hexachlorocyclopentadiene

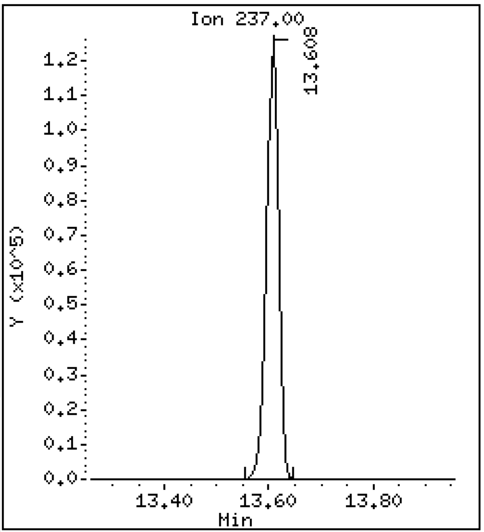
Concentration: 9.679 ug/mL

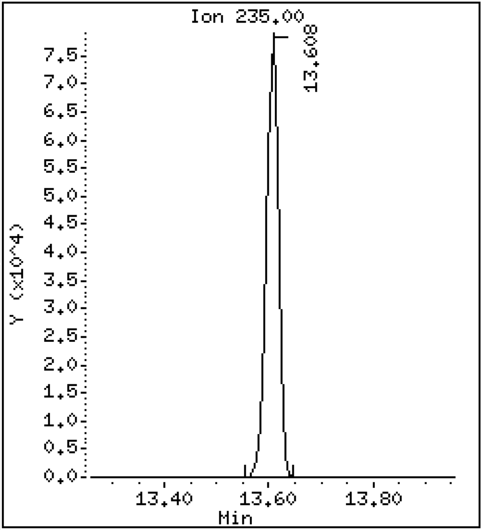


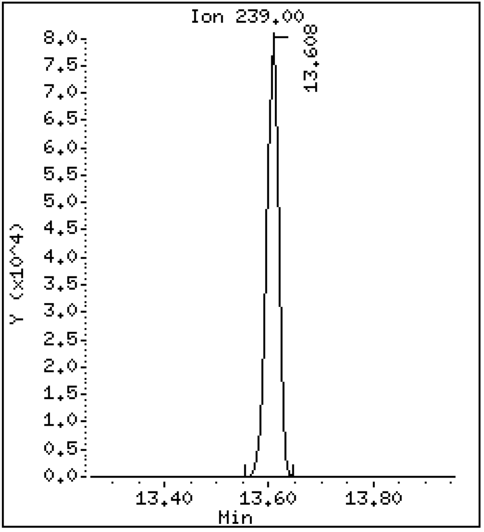












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Date : 30-DEC-2022 15:53

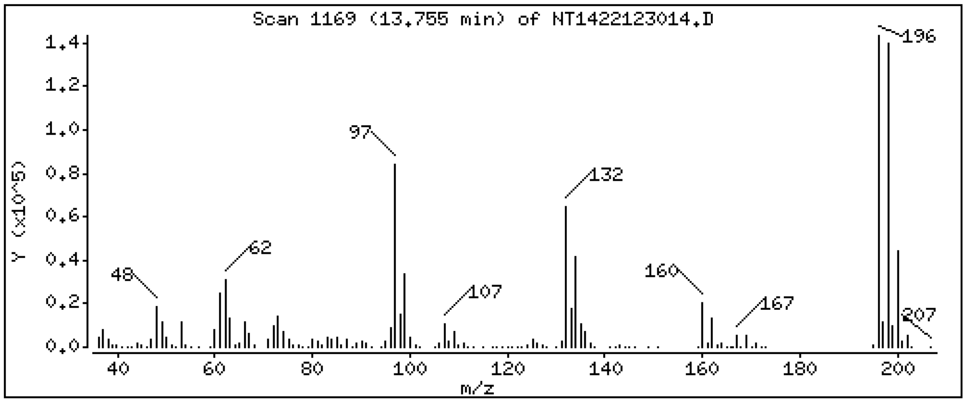
Client ID: Instrument: nt14.i

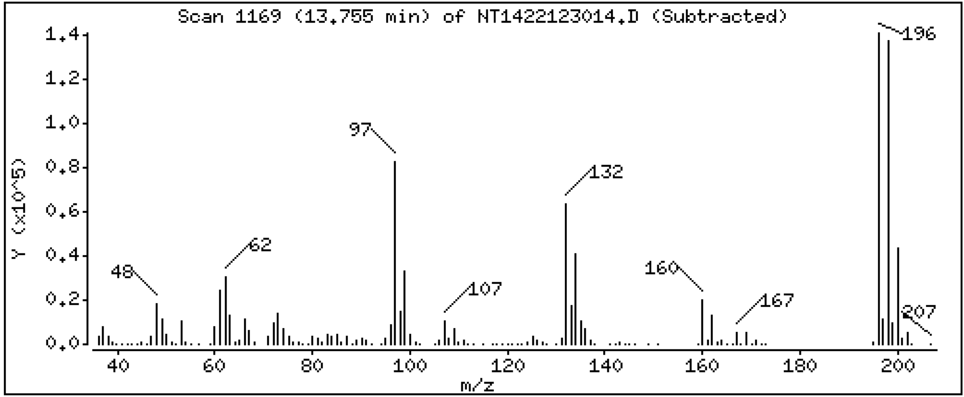
Sample Info: SKL0355-ICV2

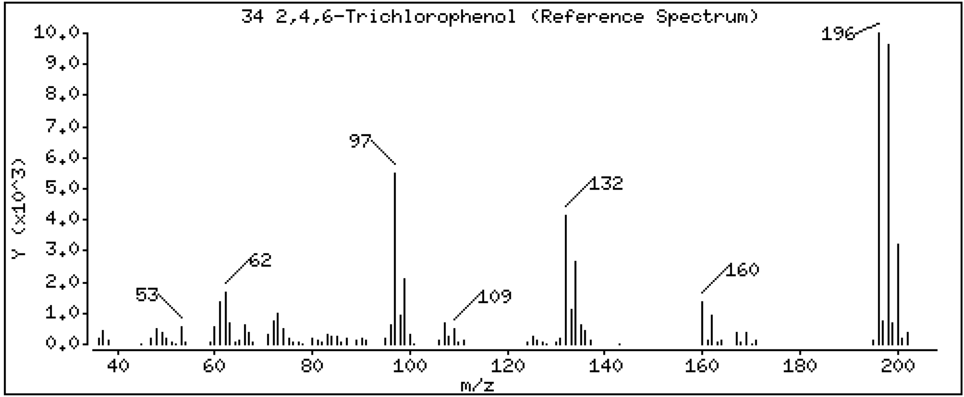
Operator: VTS

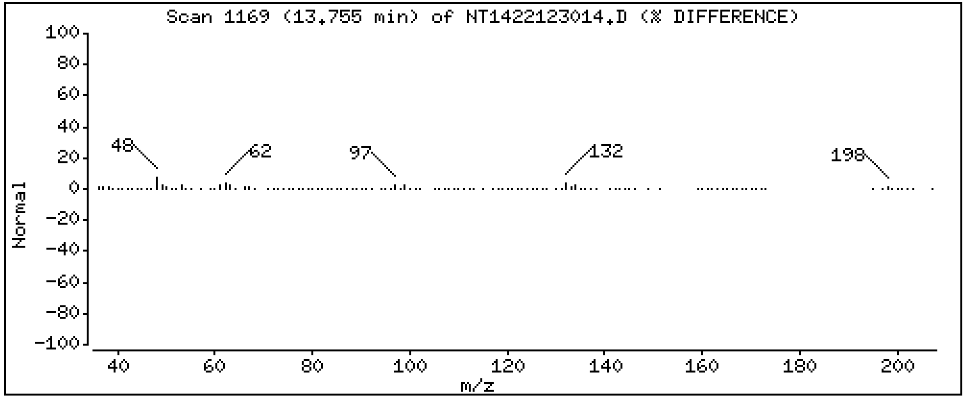
Column phase: ZB-5msi Column diameter: 0.25

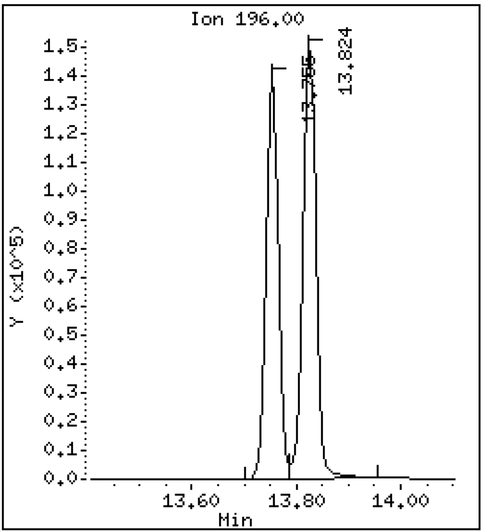
34 2,4,6-Trichlorophenol Concentration: 9.832 ug/mL

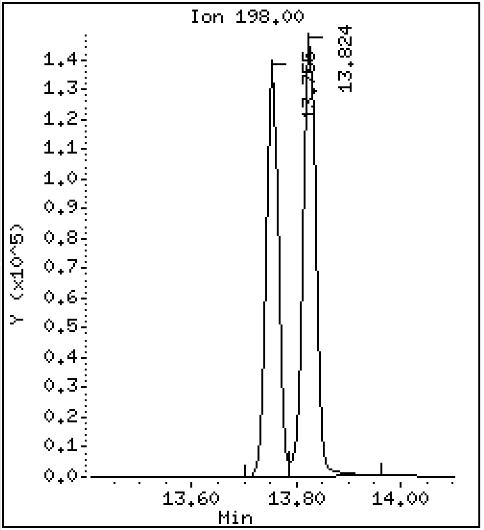


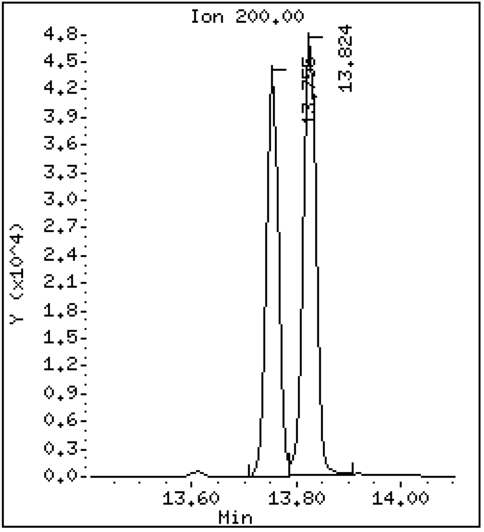












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Date : 30-DEC-2022 15:53

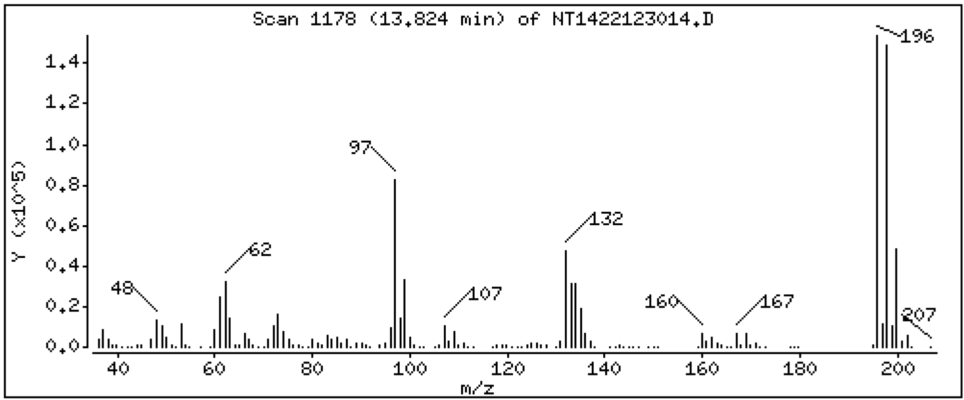
Client ID: Instrument: nt14.i

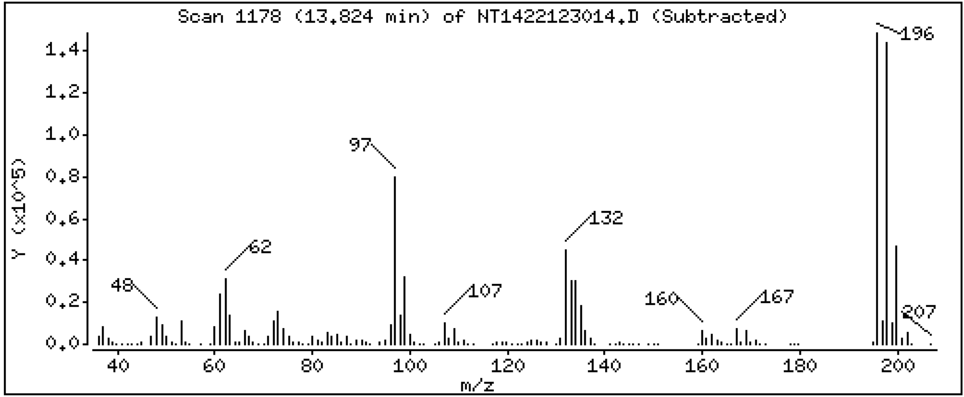
Sample Info: SKL0355-ICV2

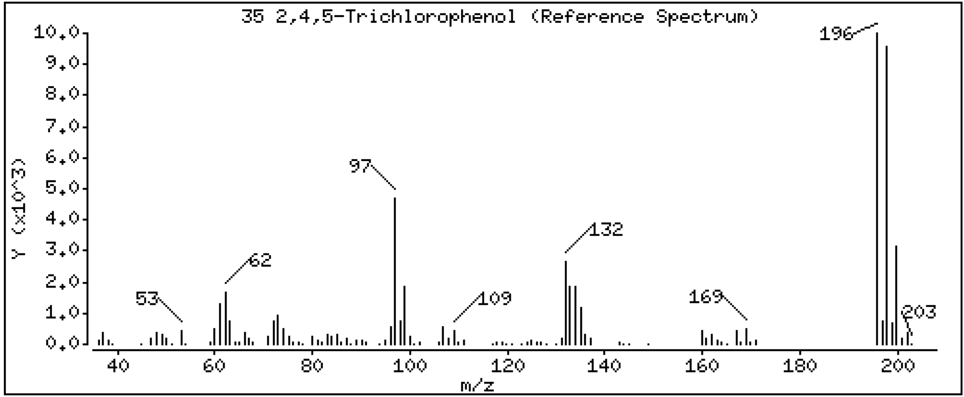
Operator: VTS

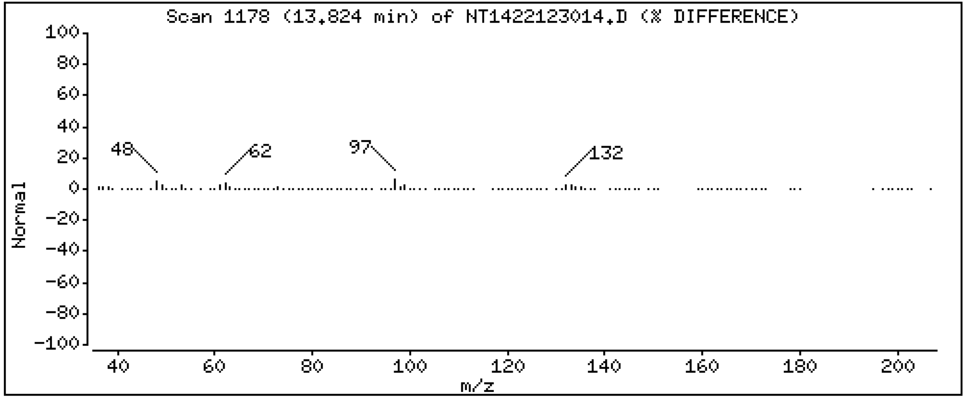
Column phase: ZB-5msi Column diameter: 0.25

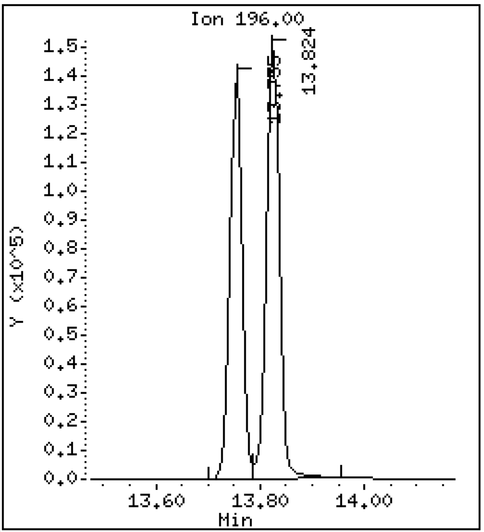
35 2,4,5-Trichlorophenol Concentration: 9.857 ug/mL

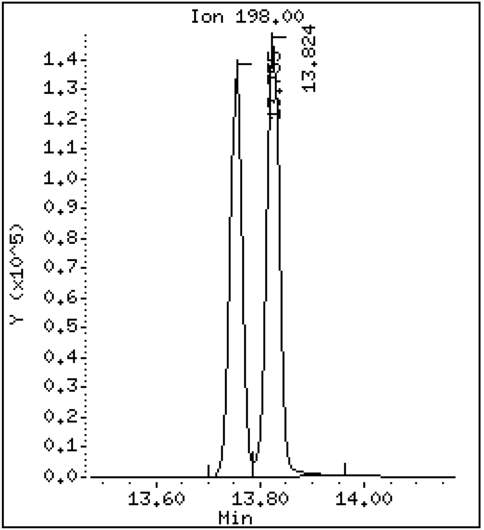


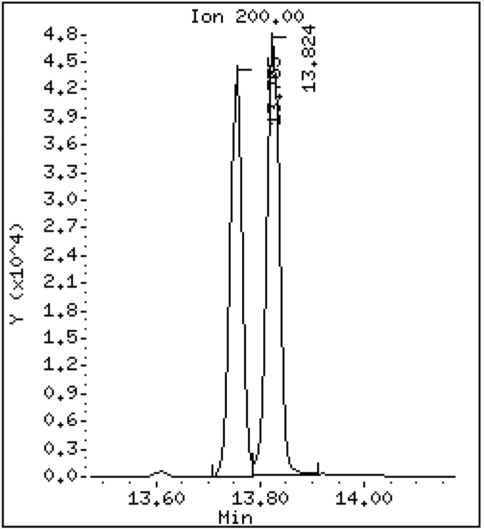












Data File: \\target\share\chem3\nt14.i\20221230.b\NT1422123014.D

Date : 30-DEC-2022 15:53

Client ID:

Instrument: nt14.i

Sample Info: SKL0355-ICV2

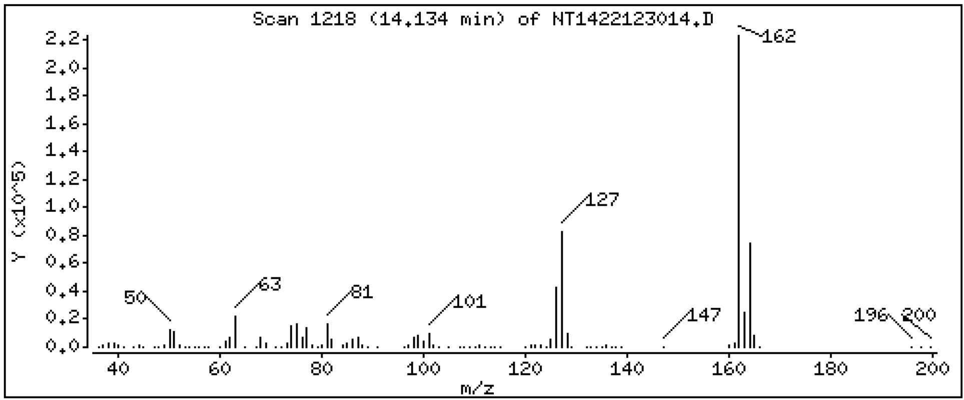
Operator: VTS

Column phase: ZB-5msi

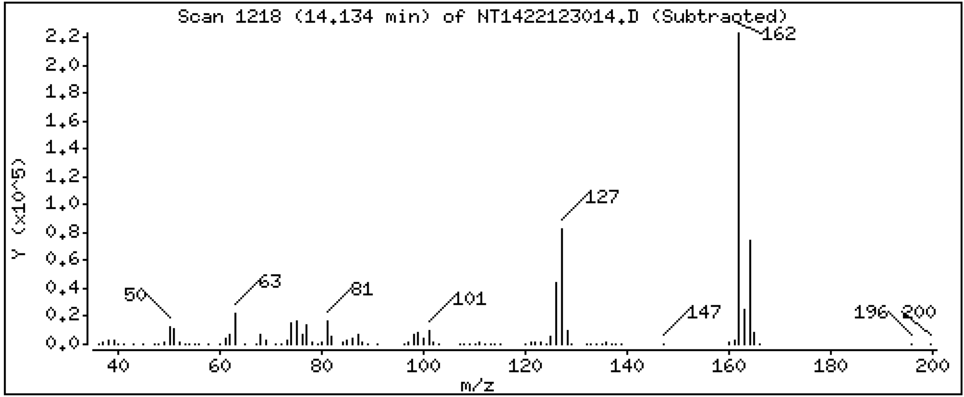
Column diameter: 0.25

37 2-Chloronaphthalene

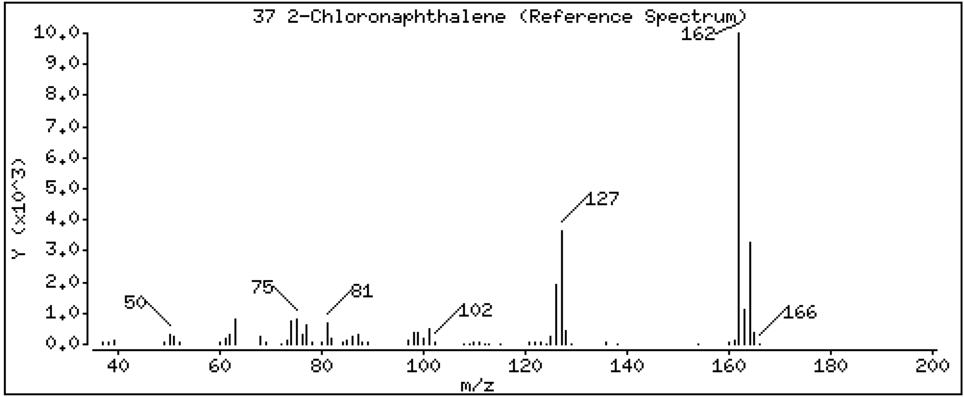
Concentration: 4.627 ug/mL



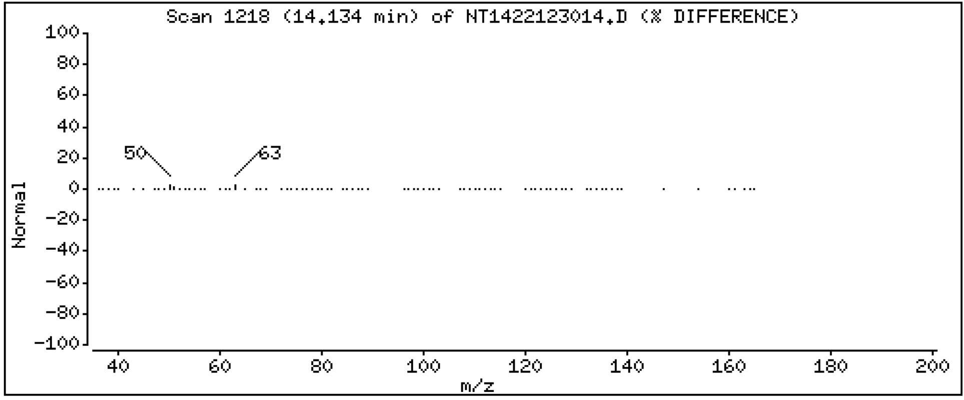
Scan 1218 (14.134 min) of NT1422123014.D



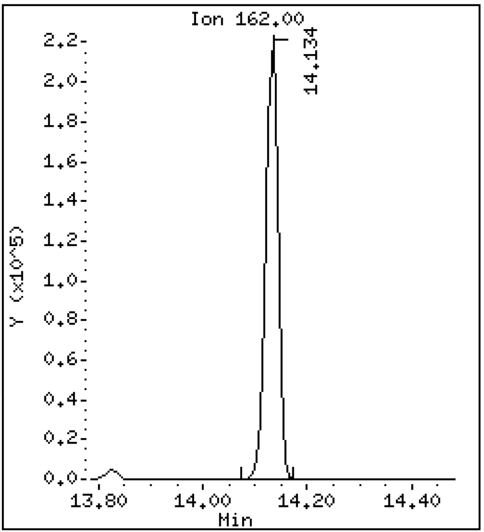
Scan 1218 (14.134 min) of NT1422123014.D (Subtracted)



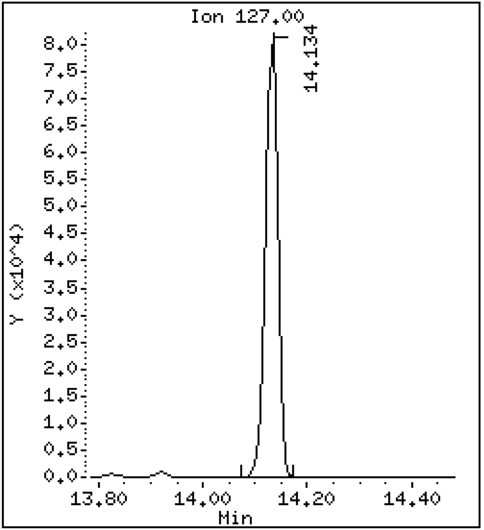
37 2-Chloronaphthalene (Reference Spectrum)



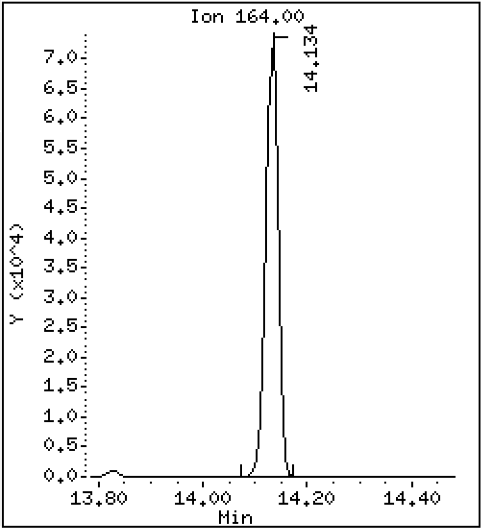
Scan 1218 (14.134 min) of NT1422123014.D (% DIFFERENCE)



Ion 162.00



Ion 127.00



Ion 164.00

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Date : 30-DEC-2022 15:53

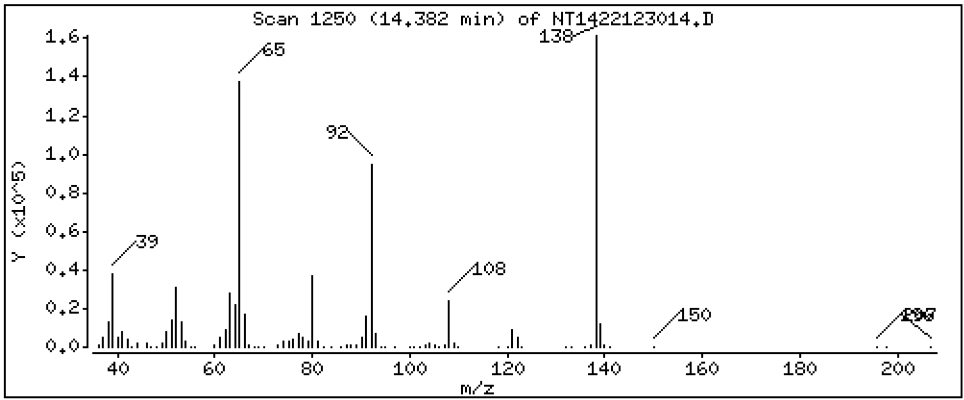
Client ID: Instrument: nt14.i

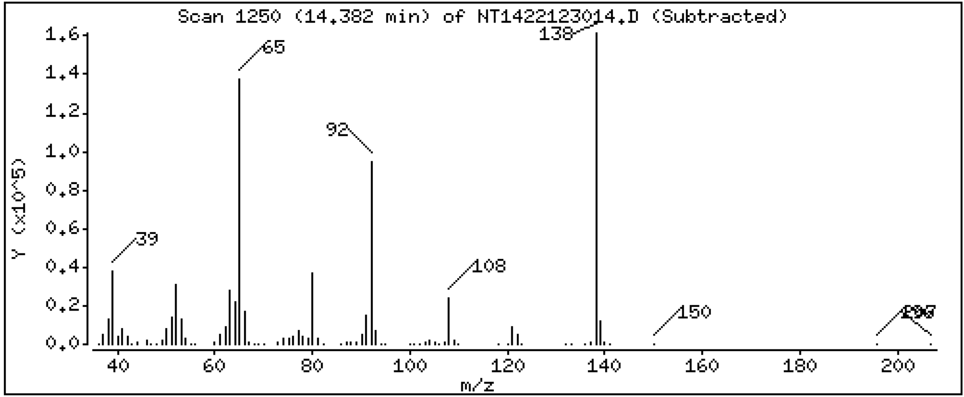
Sample Info: SKL0355-ICV2

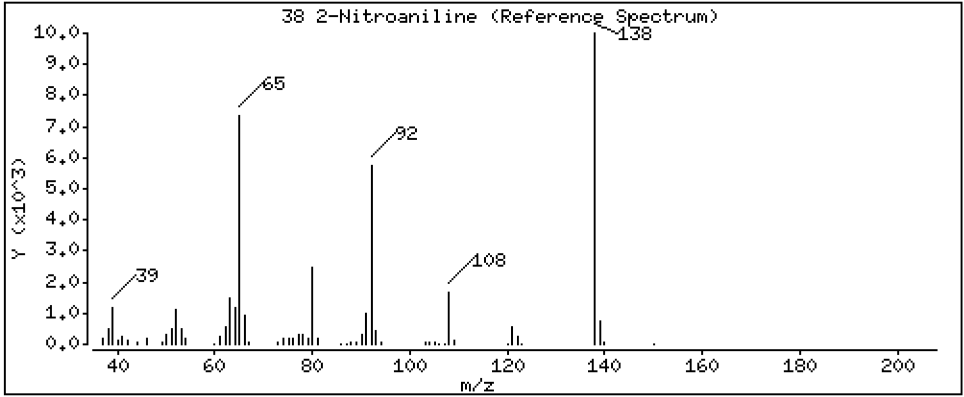
Operator: VTS

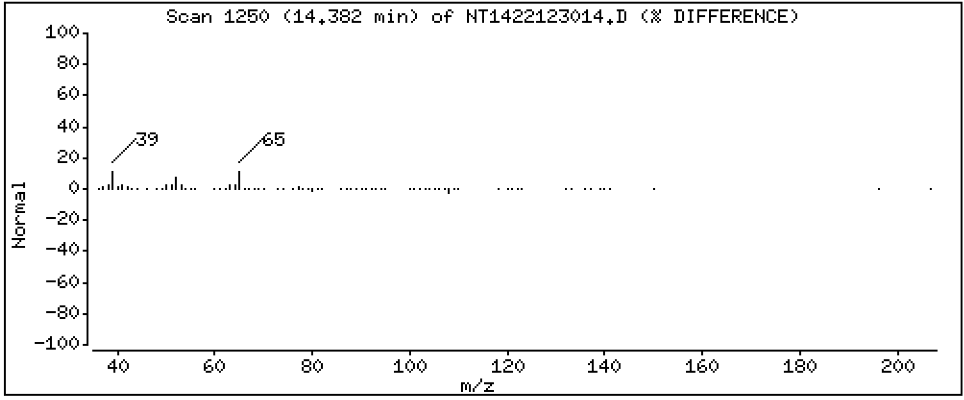
Column phase: ZB-5msi Column diameter: 0.25

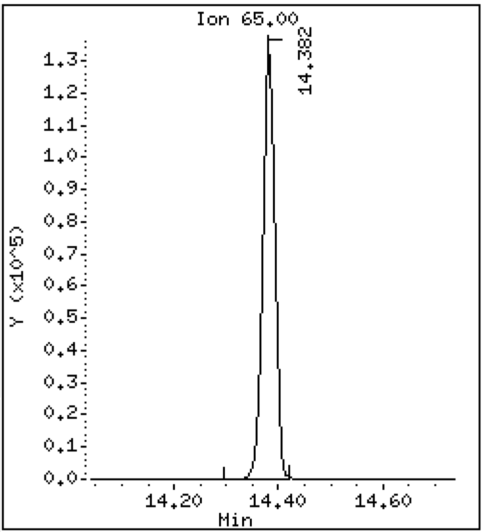
38 2-Nitroaniline Concentration: 10.67 ug/mL

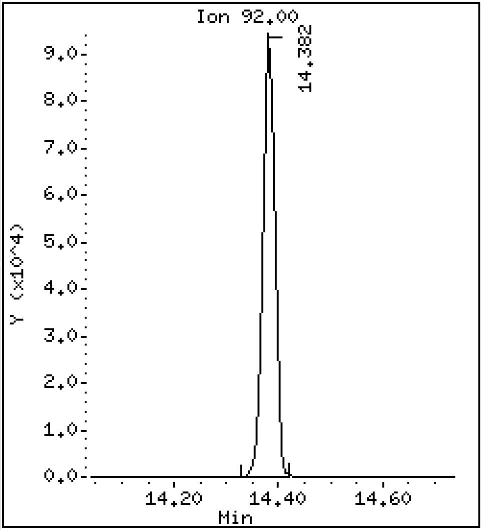


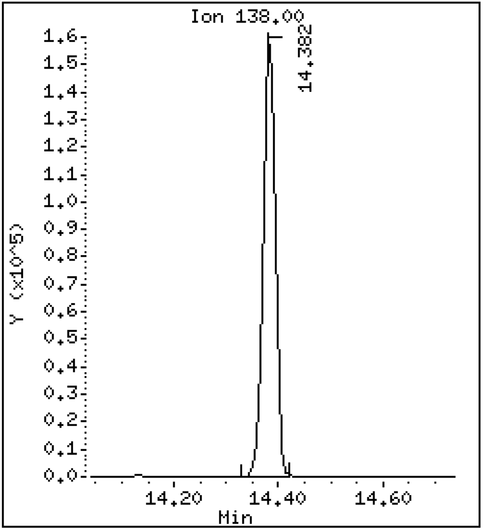












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Date : 30-DEC-2022 15:53

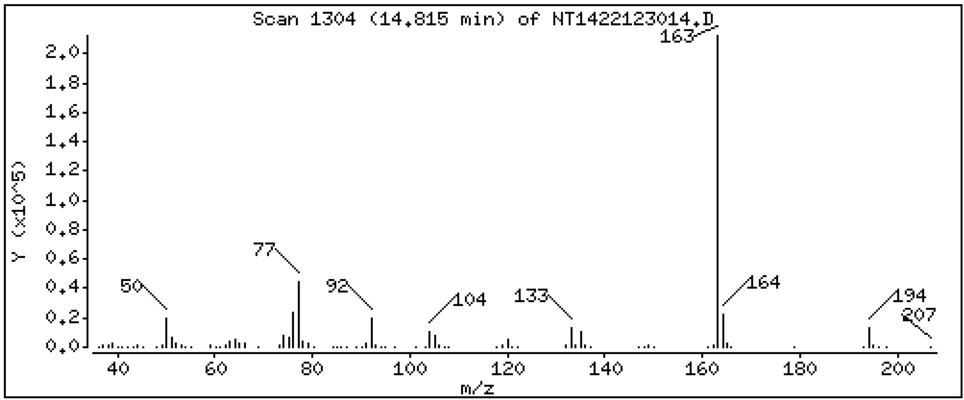
Client ID: Instrument: nt14.i

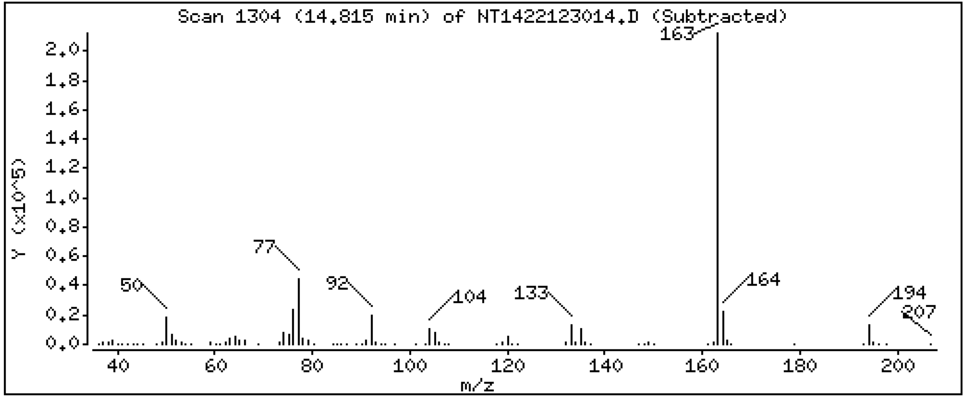
Sample Info: SKL0355-ICV2

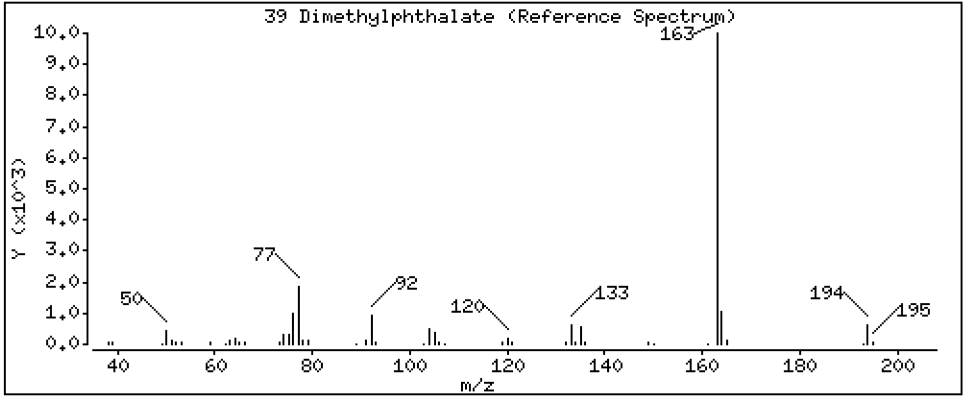
Operator: VTS

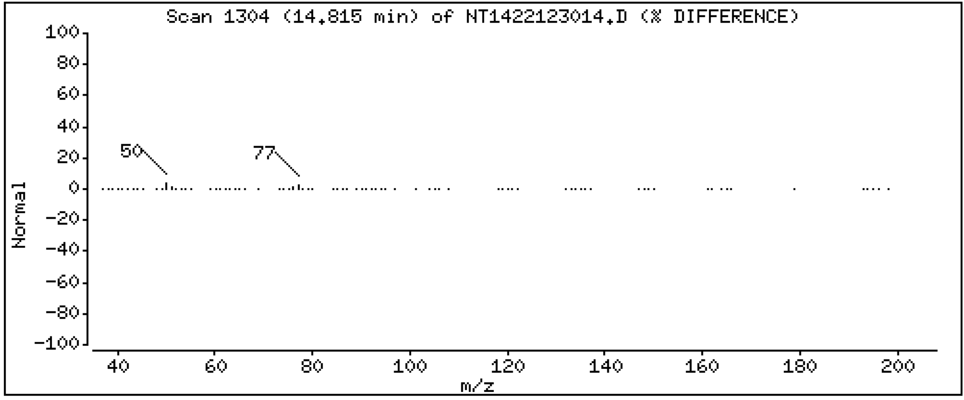
Column phase: ZB-5msi Column diameter: 0.25

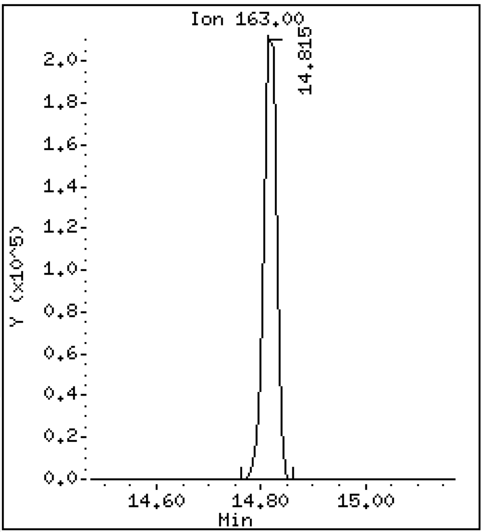
39 Dimethylphthalate Concentration: 4.718 ug/mL

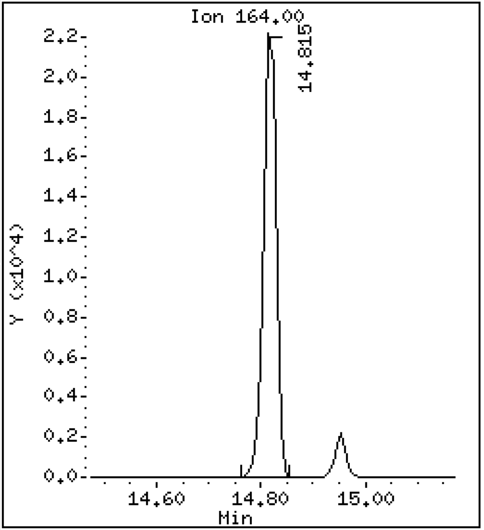


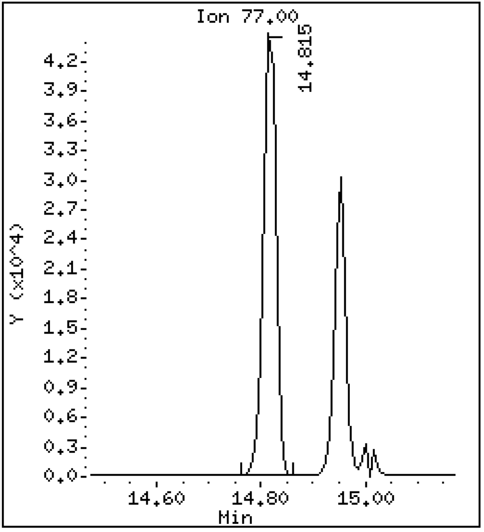












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Date : 30-DEC-2022 15:53

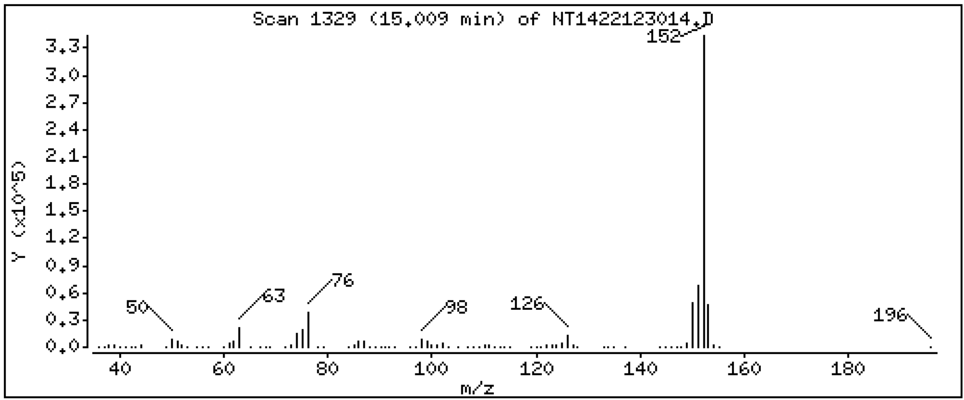
Client ID: Instrument: nt14.i

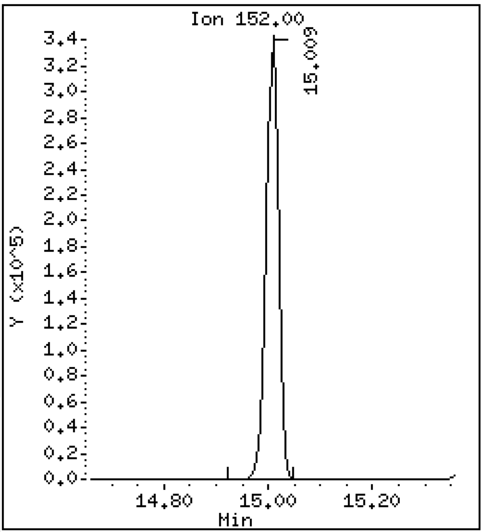
Sample Info: SKL0355-ICV2

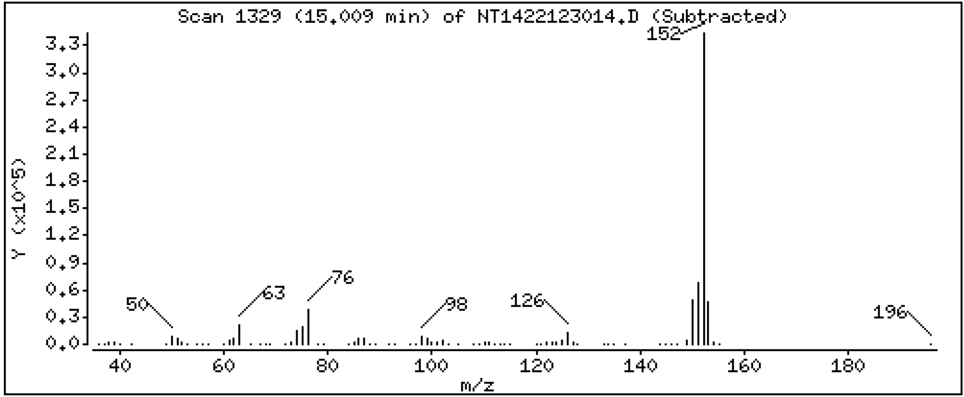
Operator: VTS

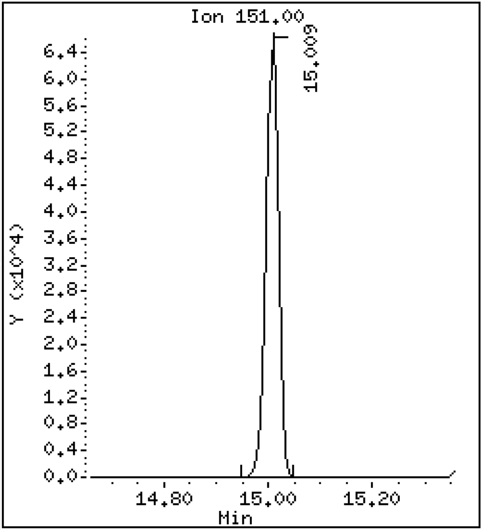
Column phase: ZB-5msi Column diameter: 0.25

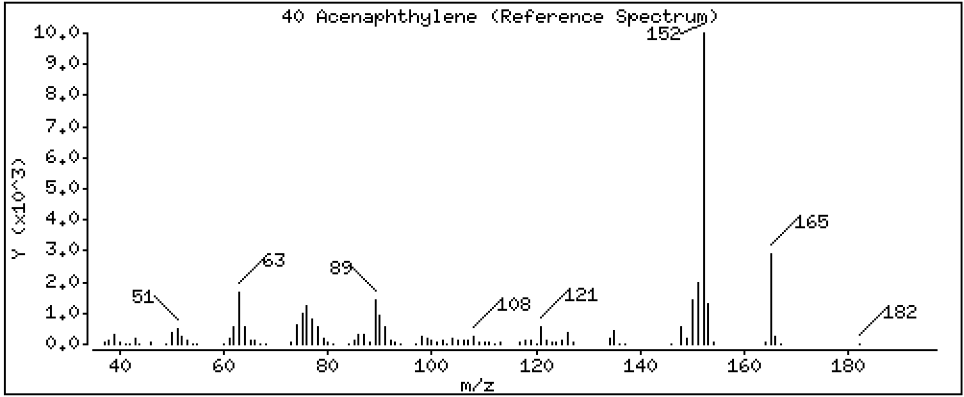
40 Acenaphthylene Concentration: 4.713 ug/mL

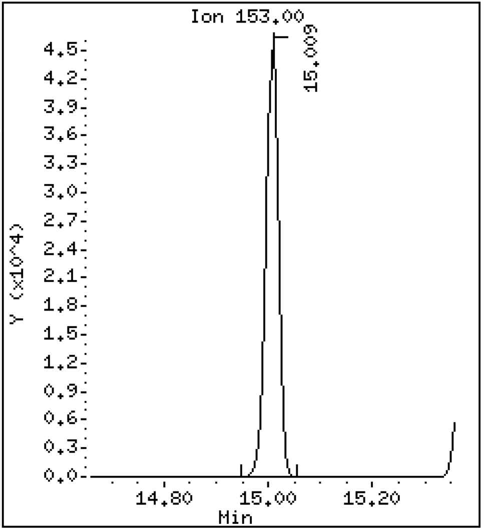


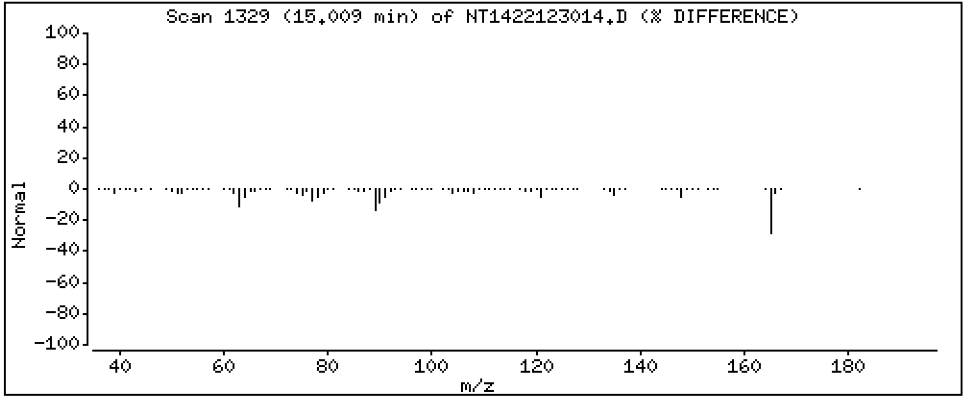












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Date : 30-DEC-2022 15:53

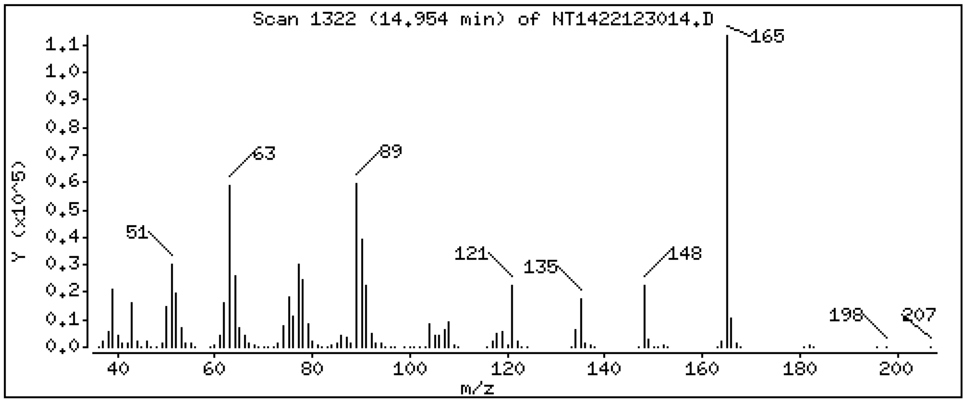
Client ID: Instrument: nt14.i

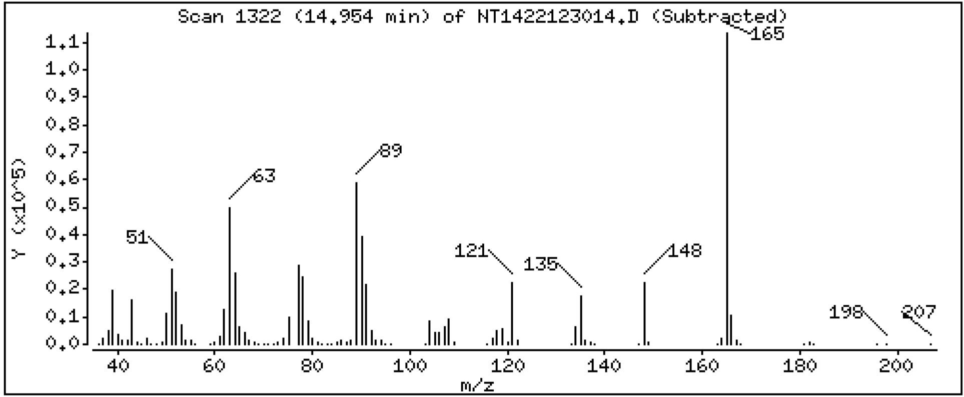
Sample Info: SKL0355-ICV2

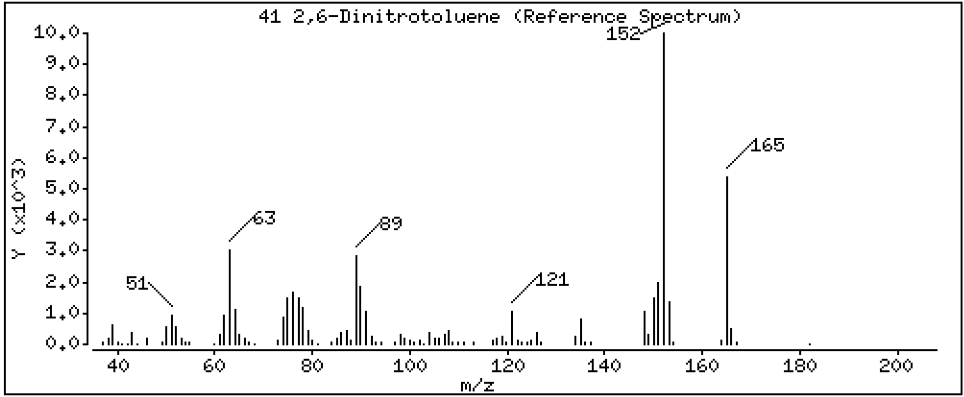
Operator: VTS

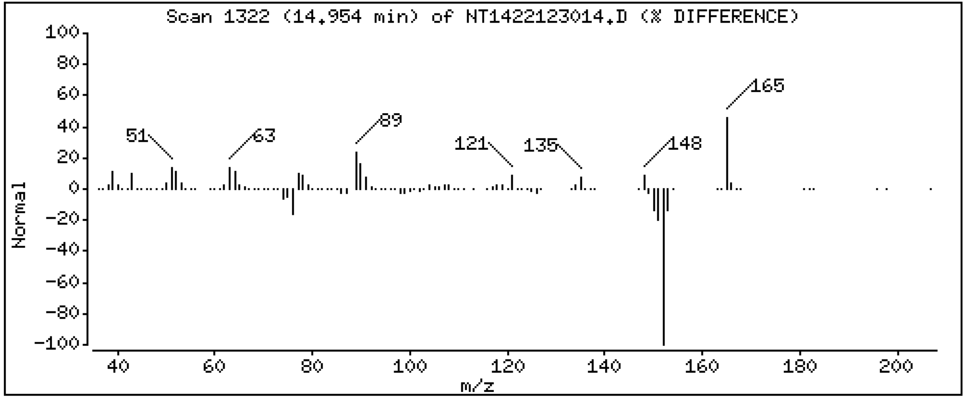
Column phase: ZB-5msi Column diameter: 0.25

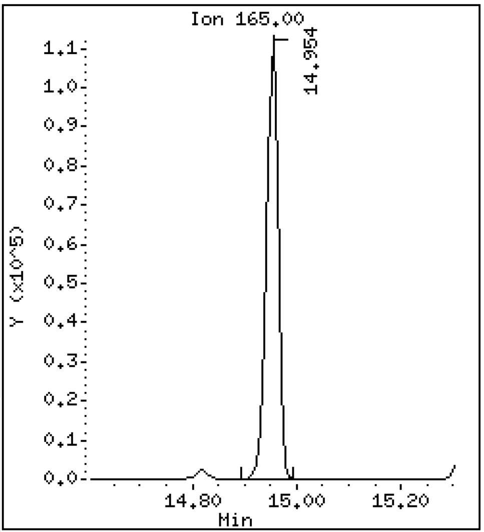
41 2,6-Dinitrotoluene Concentration: 9.927 ug/mL

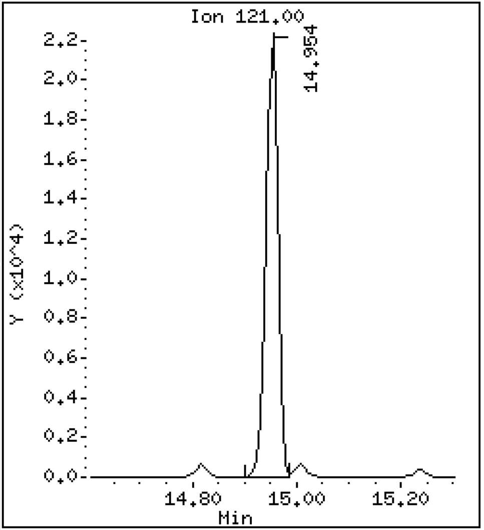

Scan 1322 (14.954 min) of NT1422123014.D

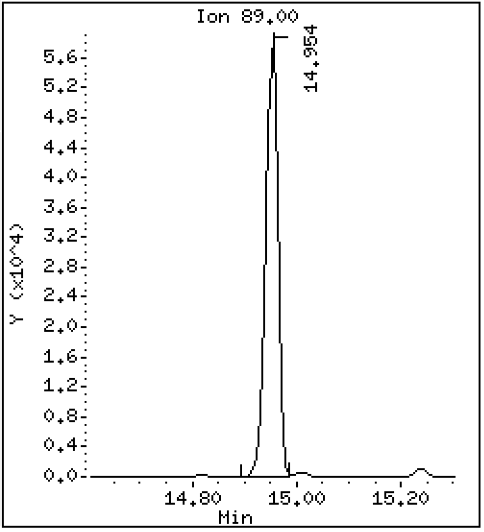

Scan 1322 (14.954 min) of NT1422123014.D (Subtracted)


41 2,6-Dinitrotoluene (Reference Spectrum)


Scan 1322 (14.954 min) of NT1422123014.D (% DIFFERENCE)


Ion 165.00


Ion 121.00


Ion 89.00

Data File: \\target\share\chem3\nt14.i\20221230.b\NT1422123014.D

Date : 30-DEC-2022 15:53

Client ID:

Instrument: nt14.i

Sample Info: SKL0355-ICV2

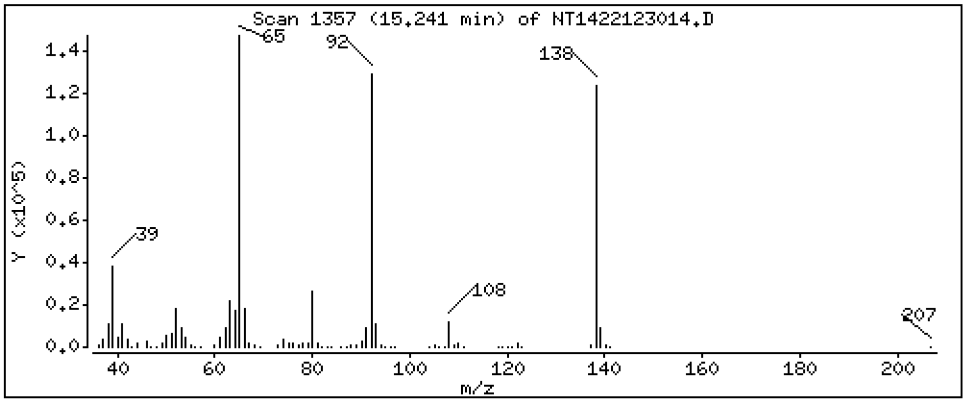
Operator: VTS

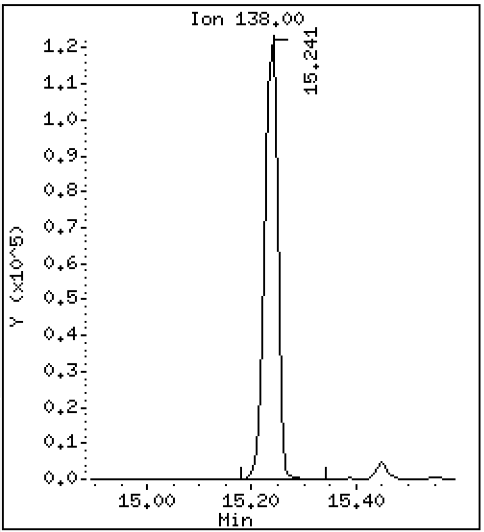
Column phase: ZB-5msi

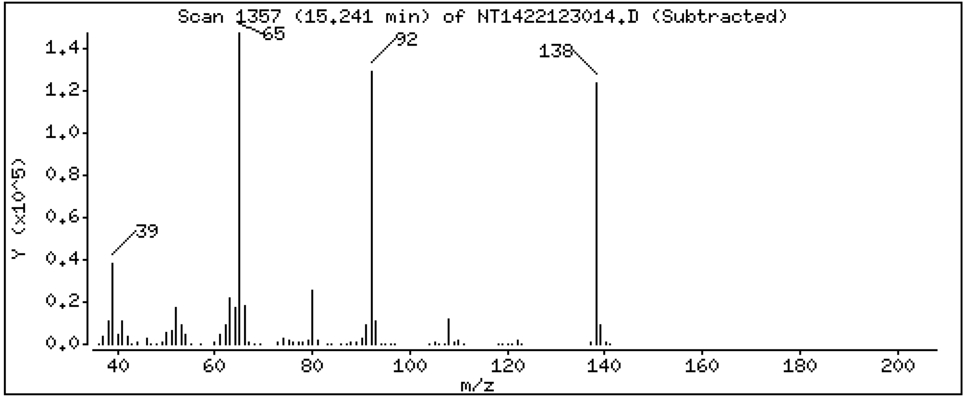
Column diameter: 0.25

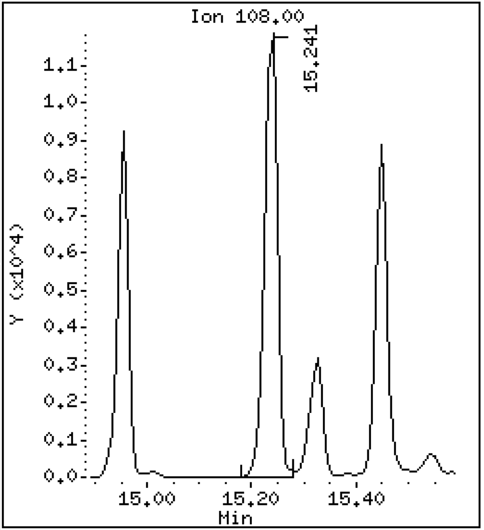
43 3-Nitroaniline

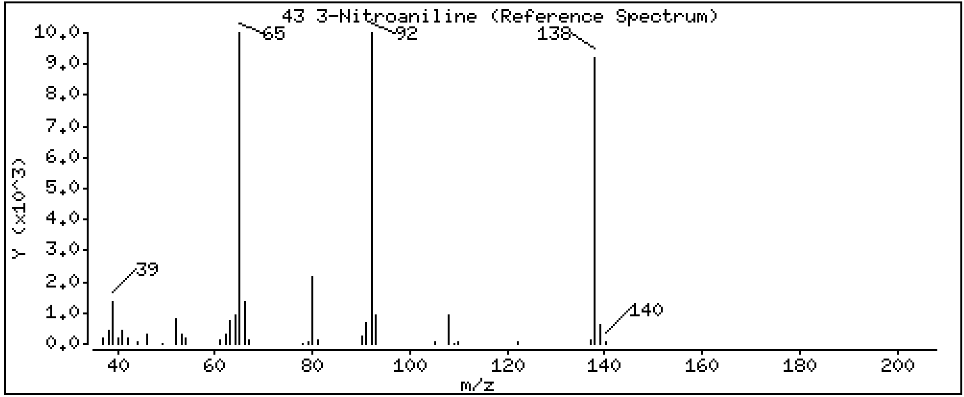
Concentration: 9.918 ug/mL

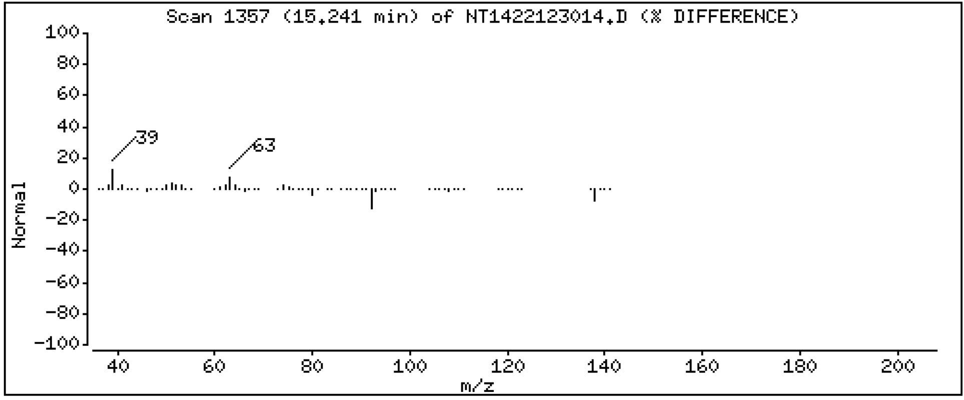


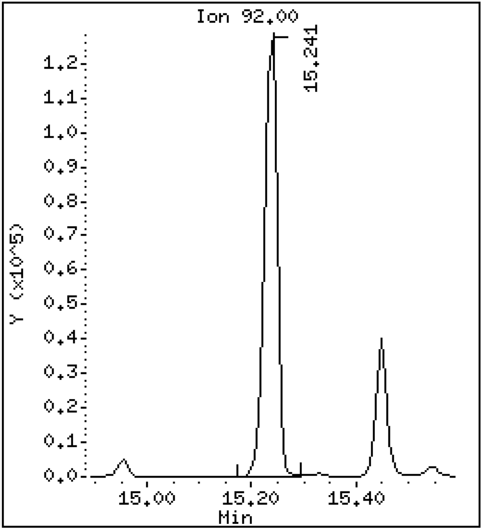












Data File: \\target\share\chem3\nt14.i\20221230.b\NT1422123014.D

Date : 30-DEC-2022 15:53

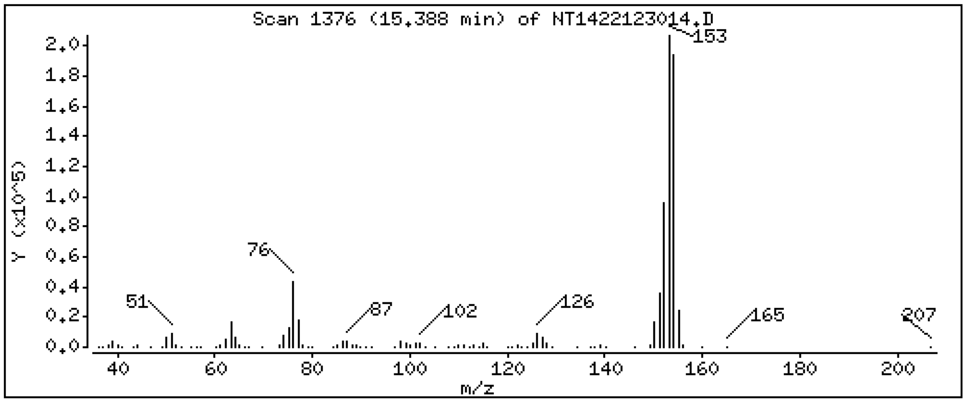
Client ID: Instrument: nt14.i

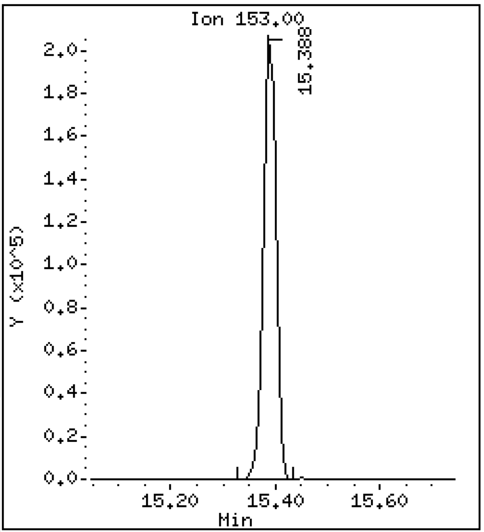
Sample Info: SKL0355-ICV2

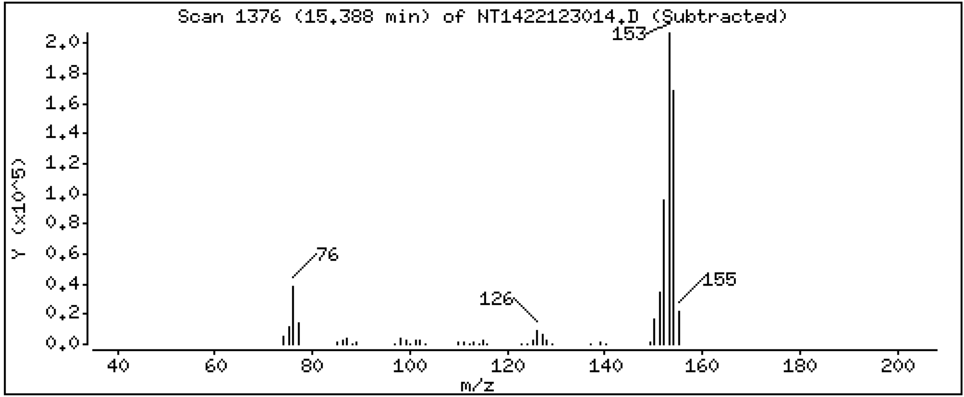
Operator: VTS

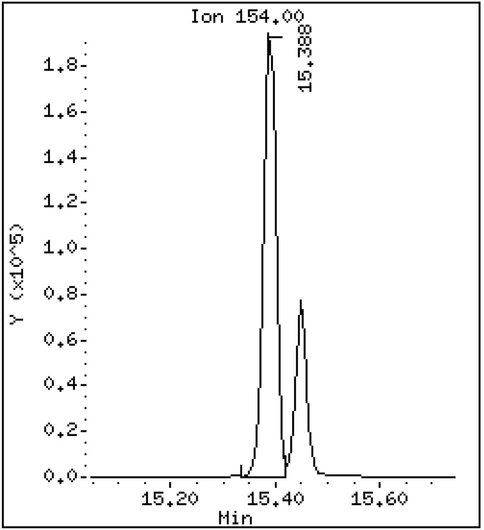
Column phase: ZB-5msi Column diameter: 0.25

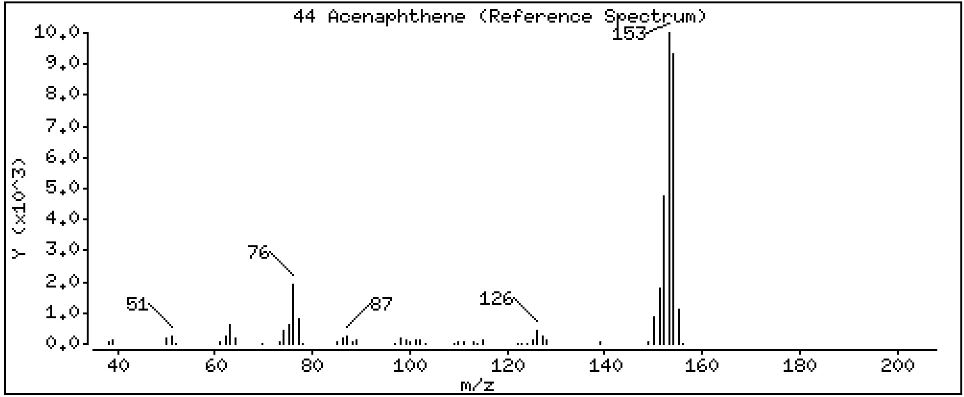
44 Acenaphthene Concentration: 4.613 ug/mL

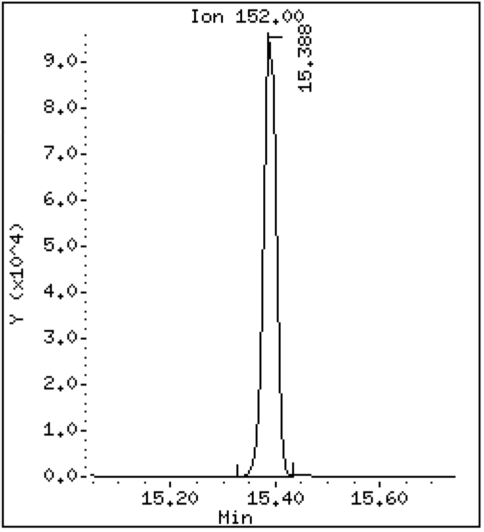

Scan 1376 (15.388 min) of NT1422123014.D

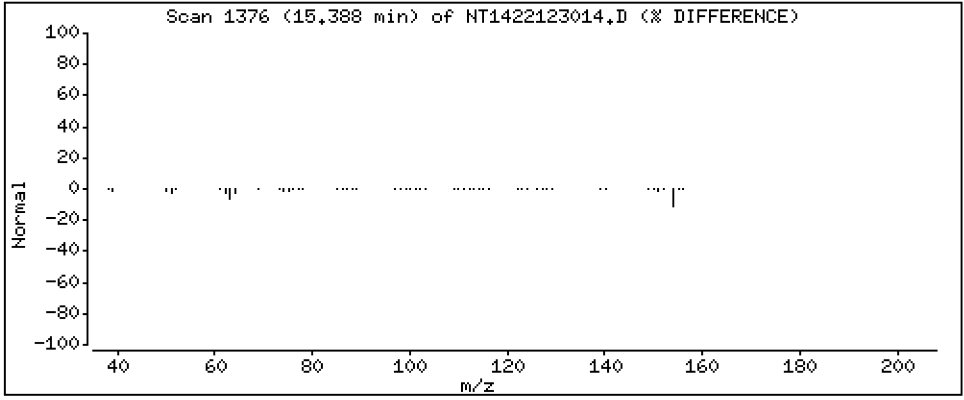

Ion 153.00


Scan 1376 (15.388 min) of NT1422123014.D (Subtracted)


Ion 154.00


44 Acenaphthene (Reference Spectrum)


Ion 152.00


Scan 1376 (15.388 min) of NT1422123014.D (% DIFFERENCE)

Data File: \\target\share\chem3\nt14.i\20221230.b\NT1422123014.D

Date : 30-DEC-2022 15:53

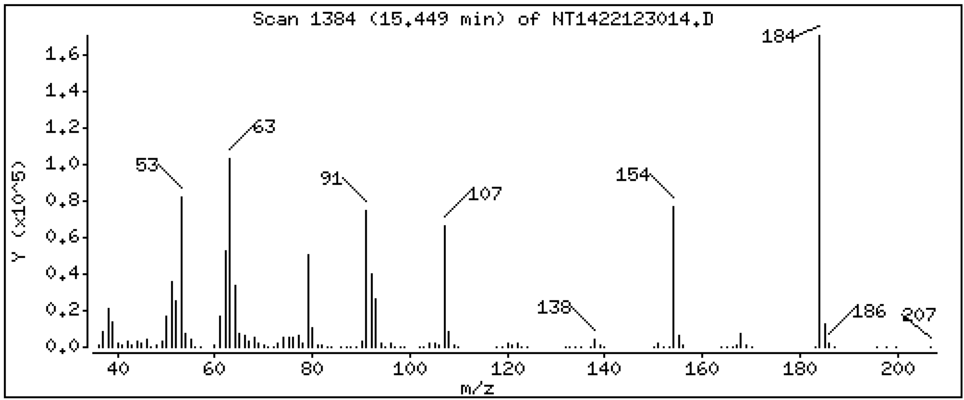
Client ID: Instrument: nt14.i

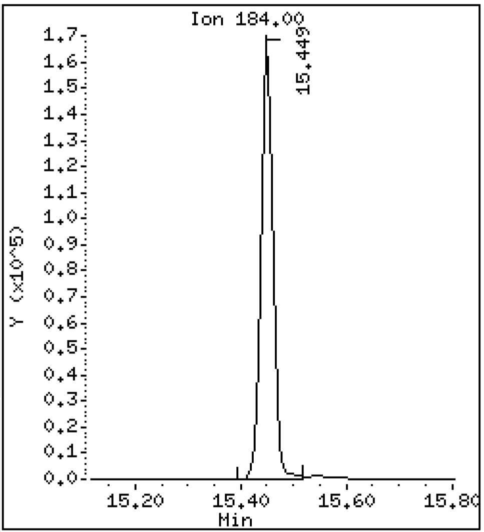
Sample Info: SKL0355-ICV2

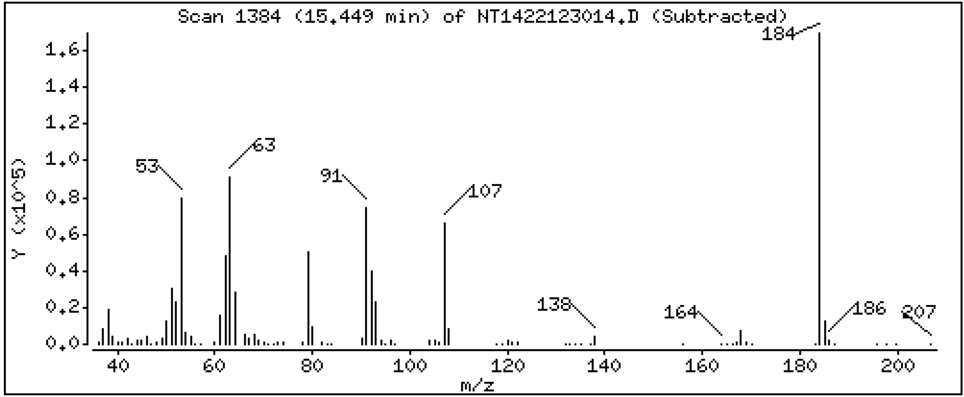
Operator: VTS

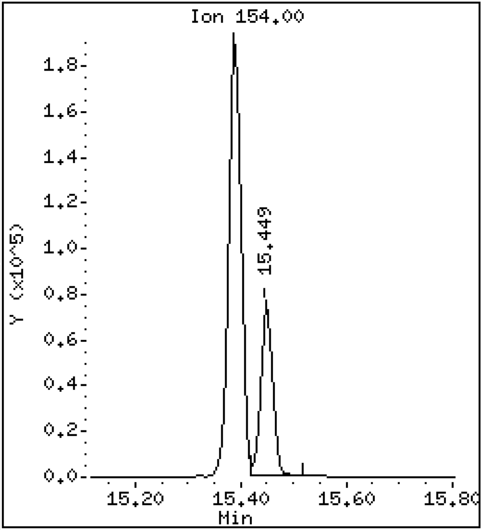
Column phase: ZB-5msi Column diameter: 0.25

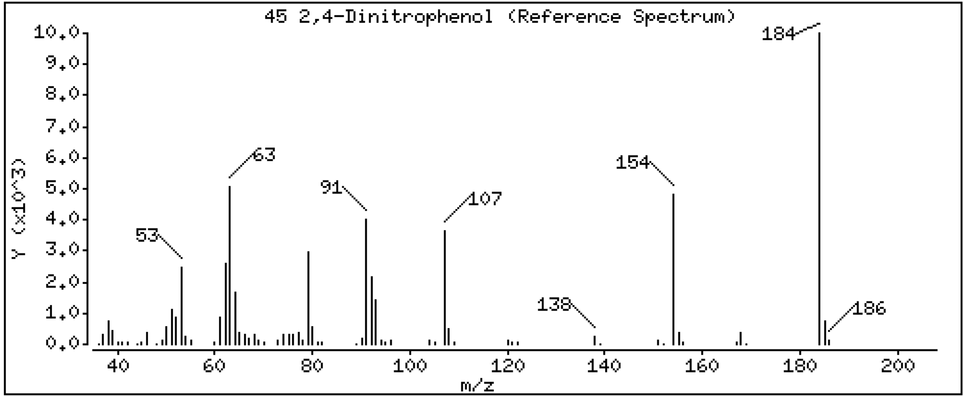
45 2,4-Dinitrophenol Concentration: 17.62 ug/mL

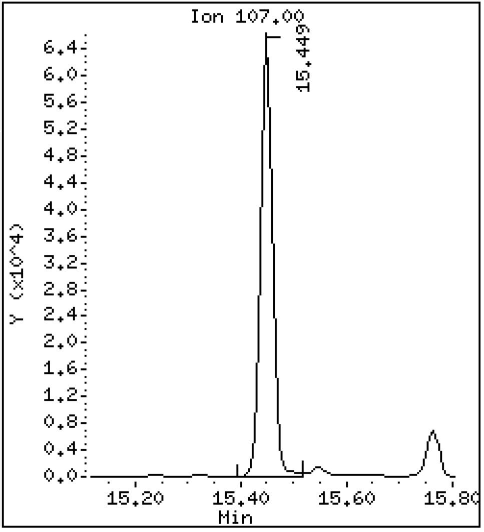

Scan 1384 (15.449 min) of NT1422123014.D

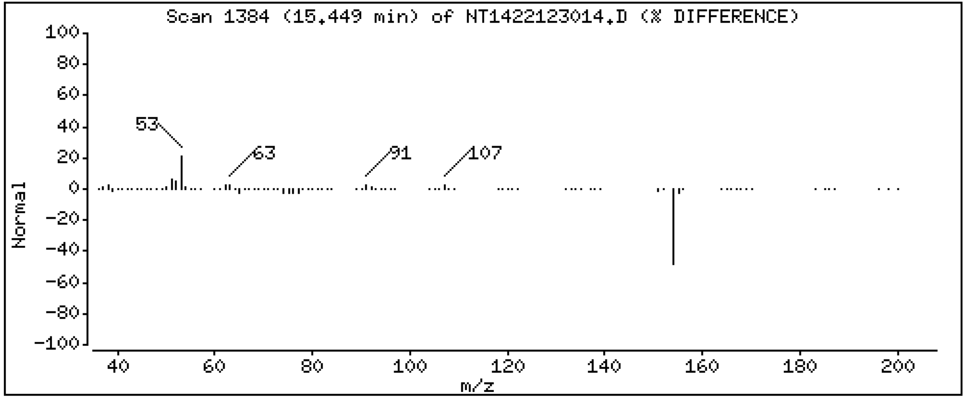

Ion 184.00


Scan 1384 (15.449 min) of NT1422123014.D (Subtracted)


Ion 154.00


45 2,4-Dinitrophenol (Reference Spectrum)


Ion 107.00


Scan 1384 (15.449 min) of NT1422123014.D (% DIFFERENCE)

Data File: \\target\share\chem3\nt14.i\20221230.b\NT1422123014.D

Date : 30-DEC-2022 15:53

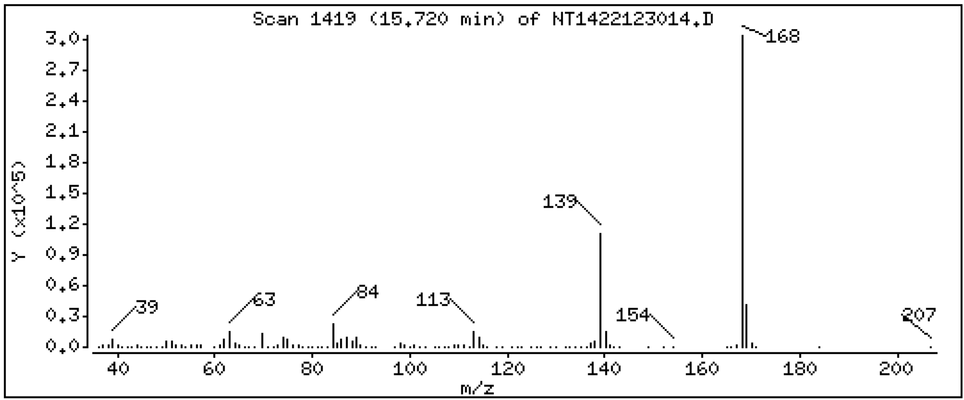
Client ID: Instrument: nt14.i

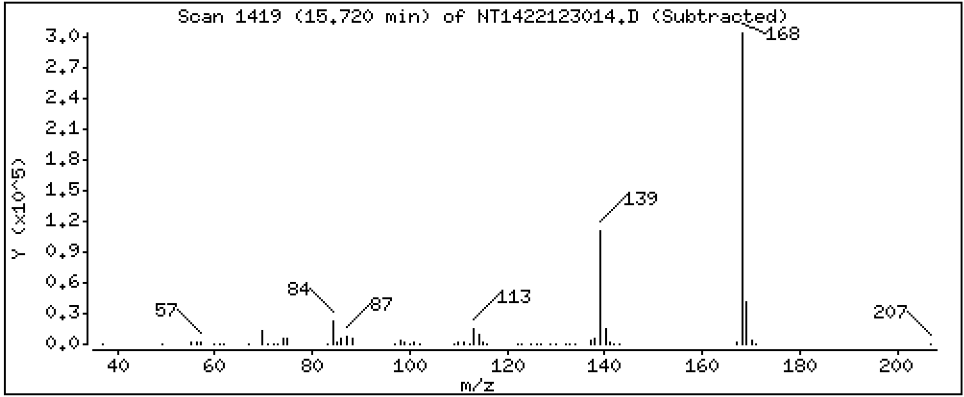
Sample Info: SKL0355-ICV2

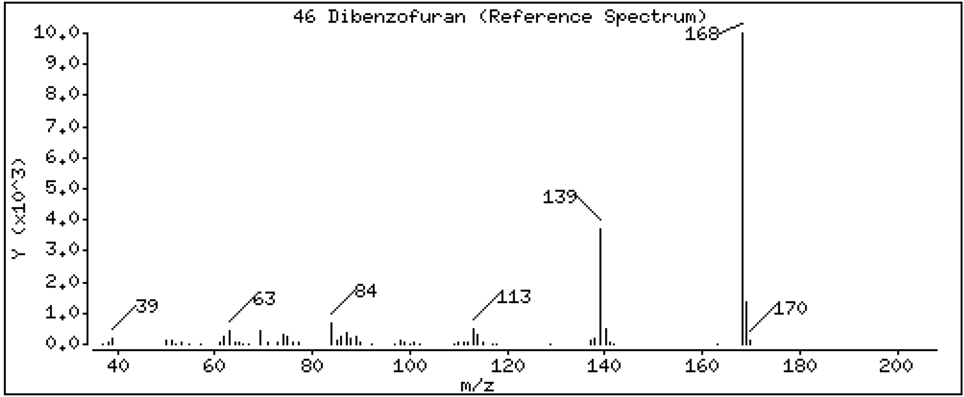
Operator: VTS

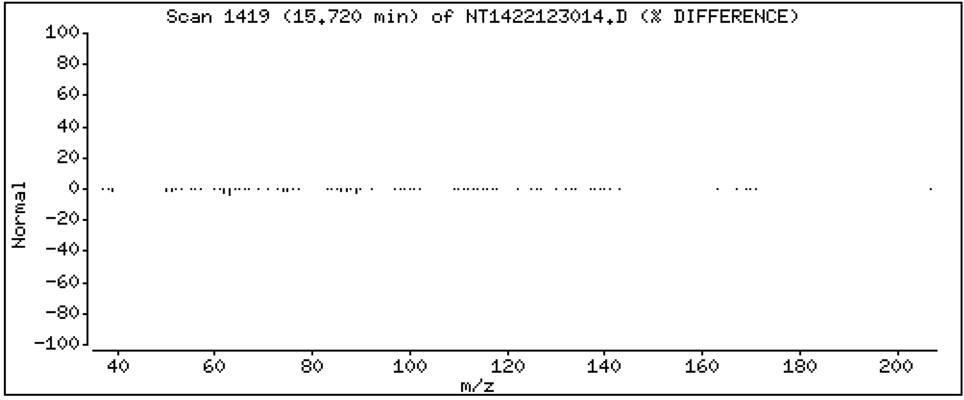
Column phase: ZB-5msi Column diameter: 0.25

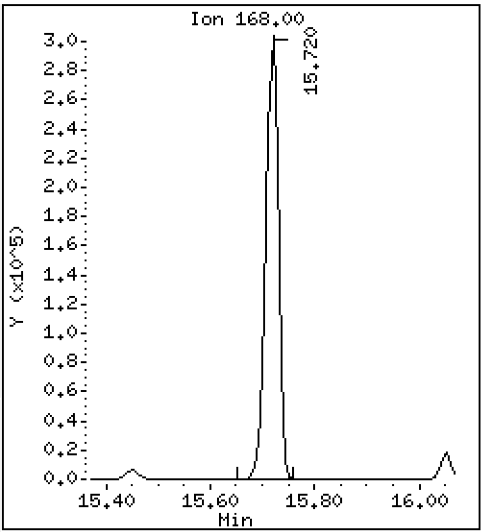
46 Dibenzofuran Concentration: 4.547 ug/mL

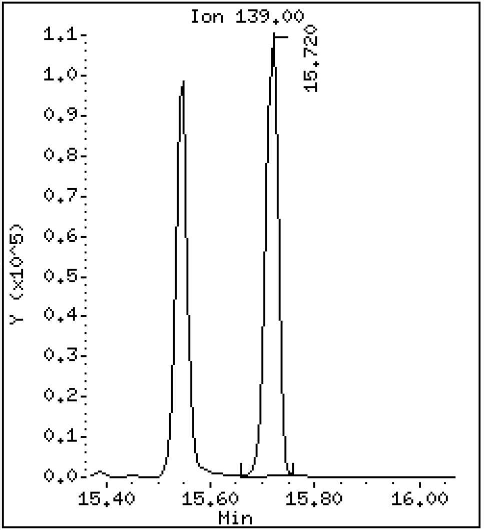


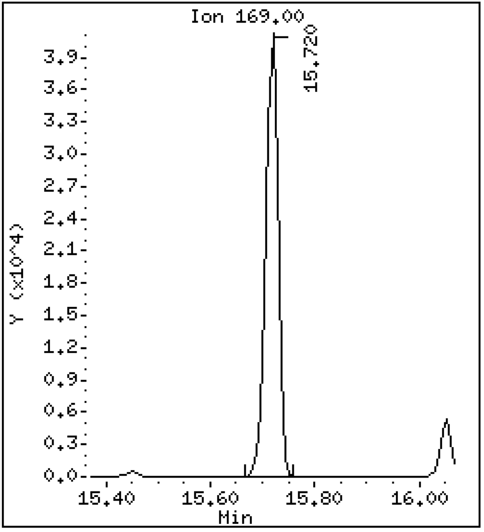












Data File: \\target\share\chem3\nt14.i\20221230.b\NT1422123014.D

Date : 30-DEC-2022 15:53

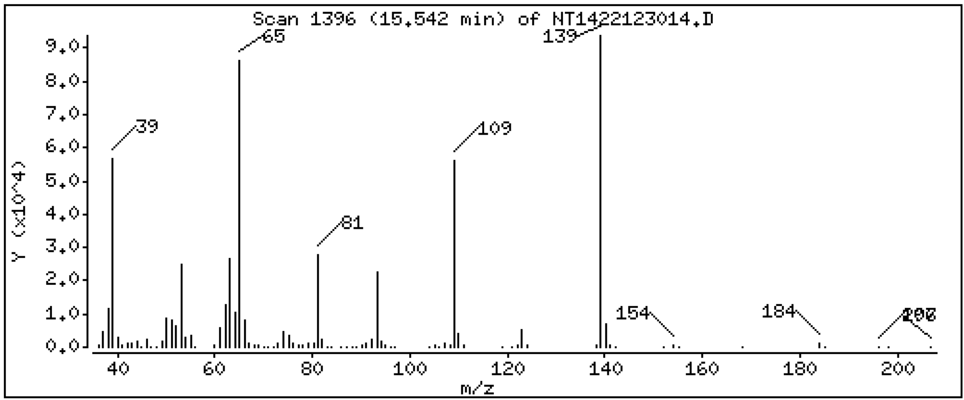
Client ID: Instrument: nt14.i

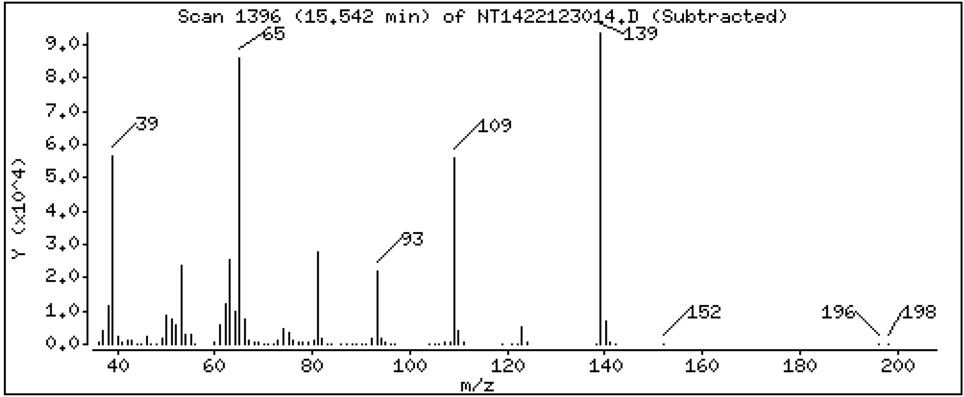
Sample Info: SKL0355-ICV2

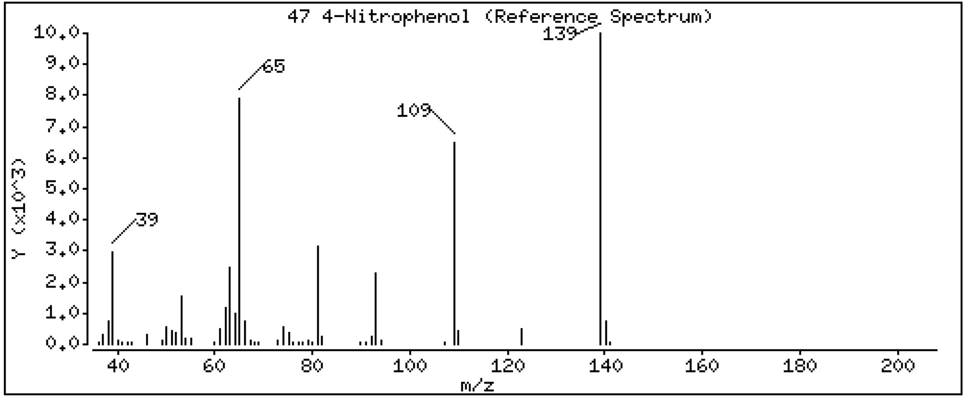
Operator: VTS

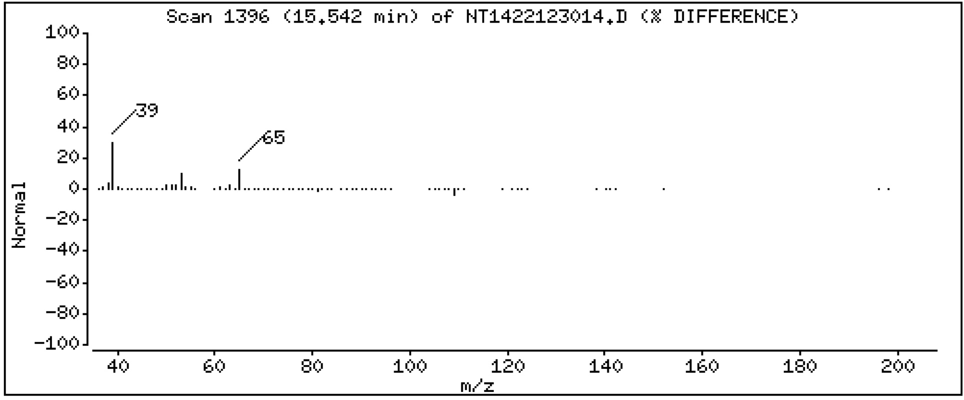
Column phase: ZB-5msi Column diameter: 0.25

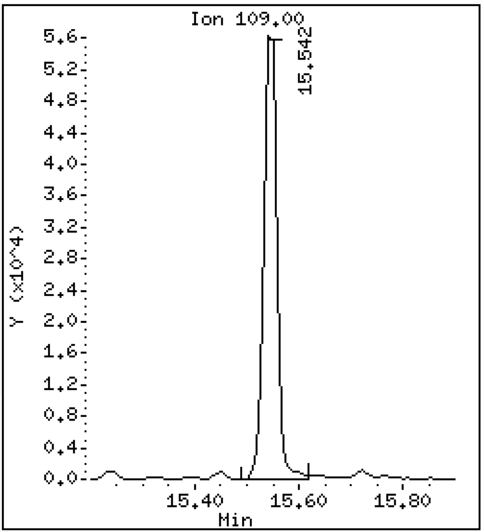
47 4-Nitrophenol Concentration: 9.441 ug/mL

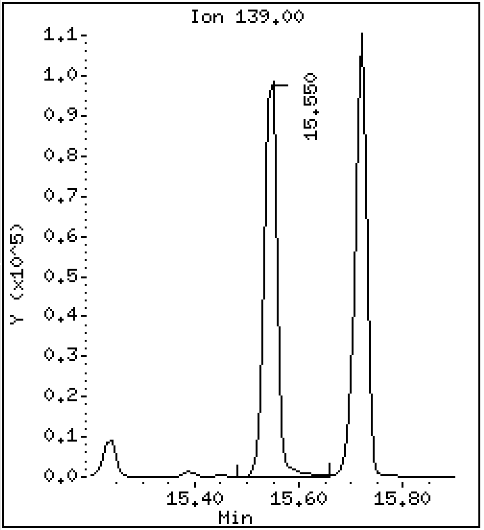

Scan 1396 (15.542 min) of NT1422123014.D

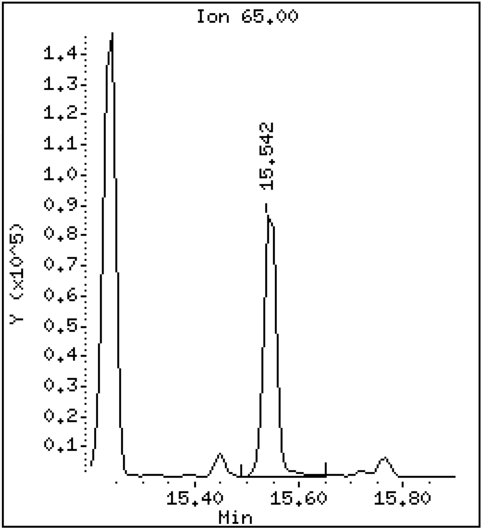

Scan 1396 (15.542 min) of NT1422123014.D (Subtracted)


47 4-Nitrophenol (Reference Spectrum)


Scan 1396 (15.542 min) of NT1422123014.D (% DIFFERENCE)


Ion 109.00


Ion 139.00


Ion 65.00

Data File: \\target\share\chem3\nt14.i\20221230.b\NT1422123014.D

Date : 30-DEC-2022 15:53

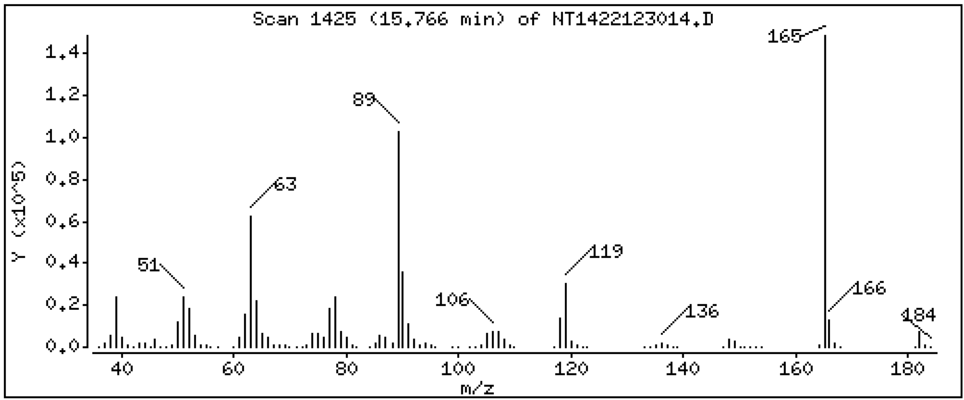
Client ID: Instrument: nt14.i

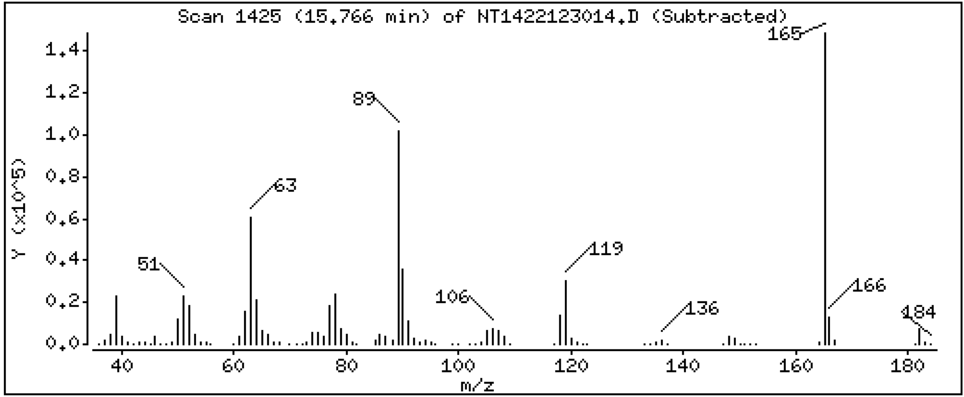
Sample Info: SKL0355-ICV2

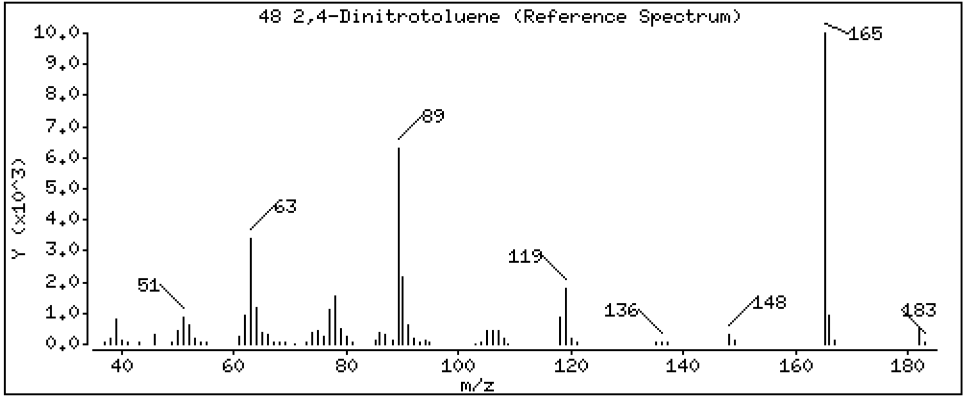
Operator: VTS

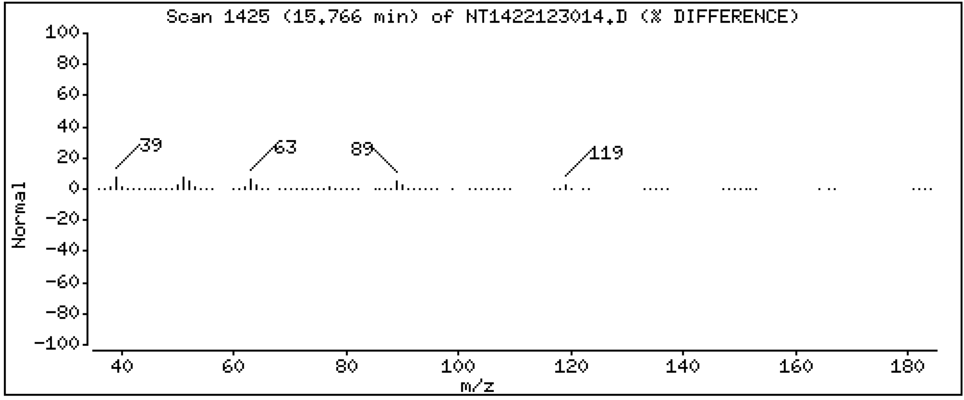
Column phase: ZB-5msi Column diameter: 0.25

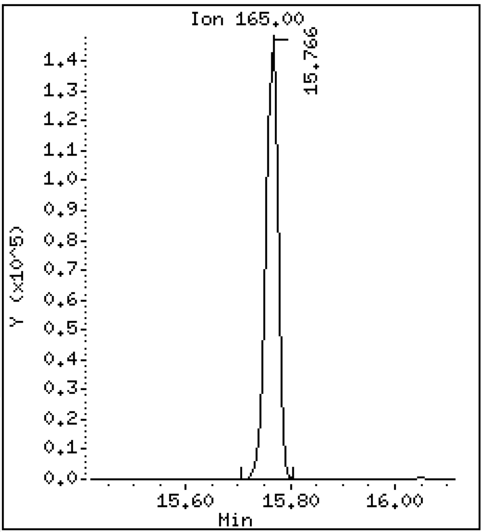
48 2,4-Dinitrotoluene Concentration: 9.887 ug/mL

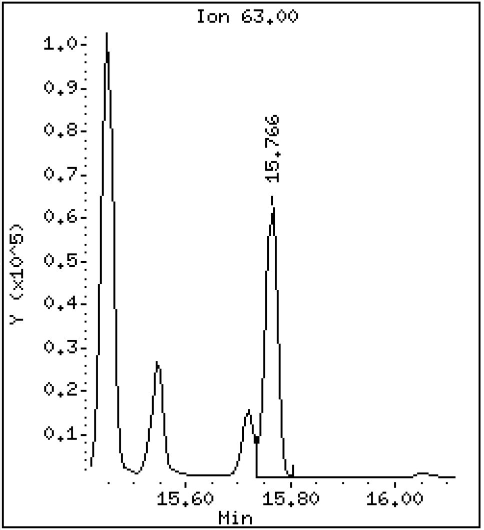


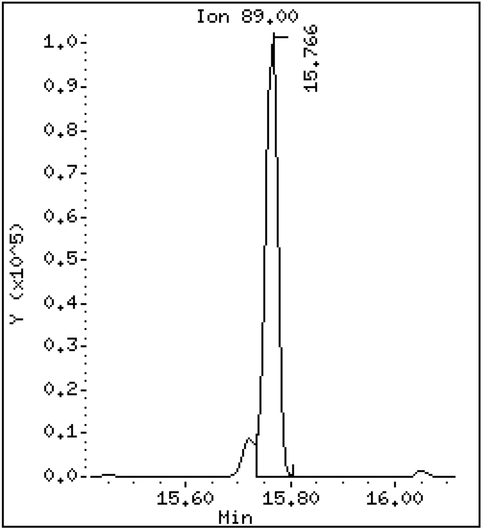












Data File: \\target\share\chem3\nt14.i\20221230.b\NT1422123014.D

Date : 30-DEC-2022 15:53

Client ID:

Instrument: nt14.i

Sample Info: SKL0355-ICV2

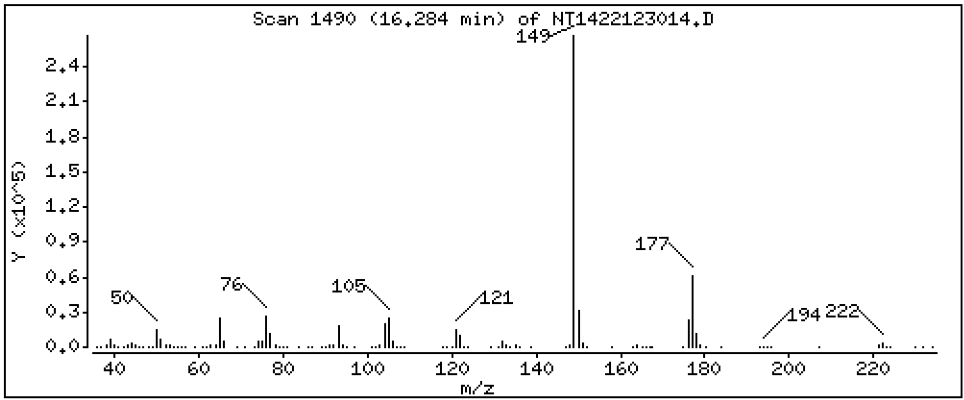
Operator: VTS

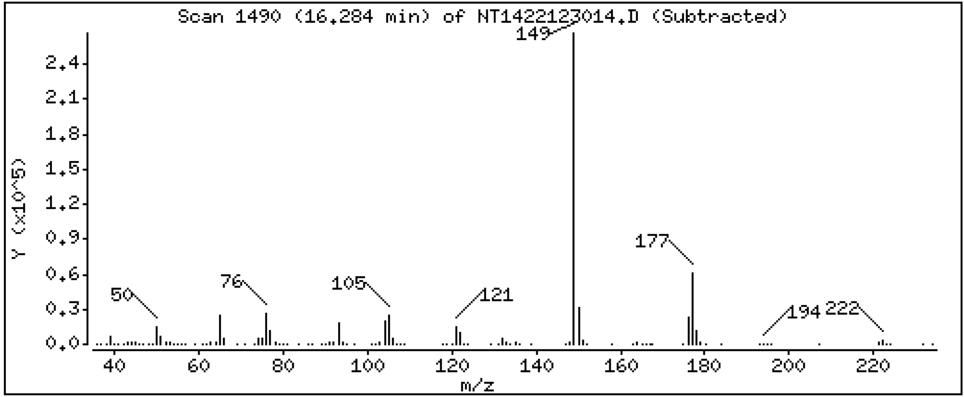
Column phase: ZB-5msi

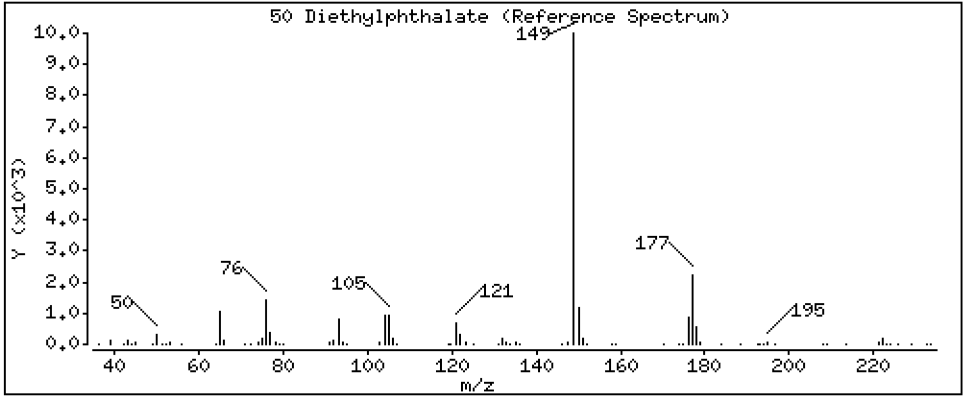
Column diameter: 0.25

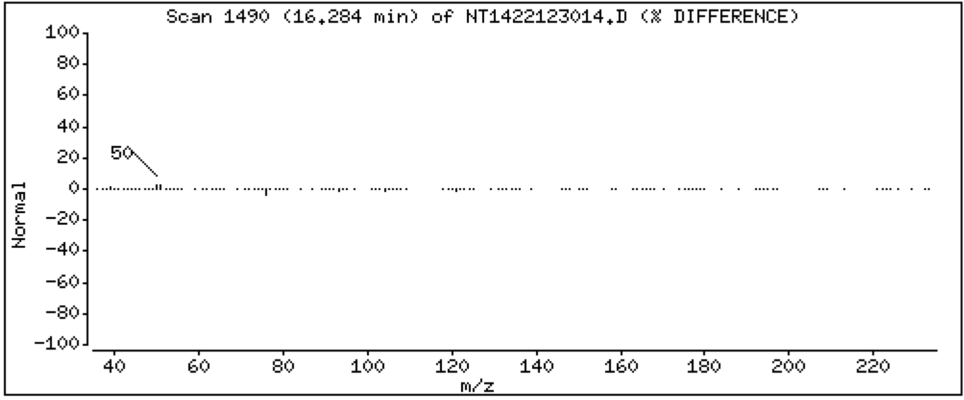
50 Diethylphthalate

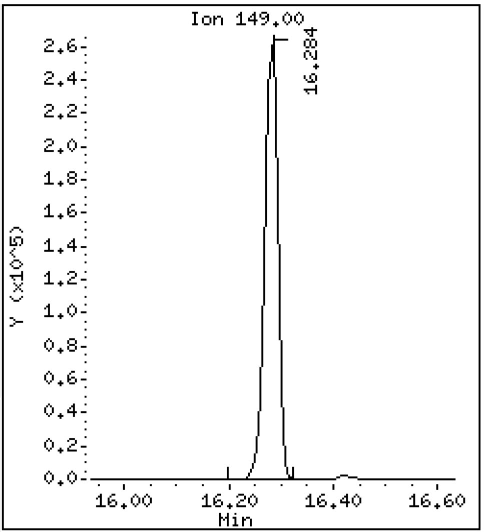
Concentration: 4.968 ug/mL

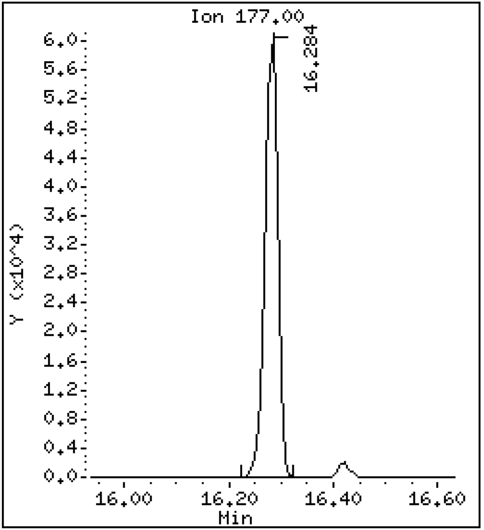

Scan 1490 (16.284 min) of NT1422123014.D

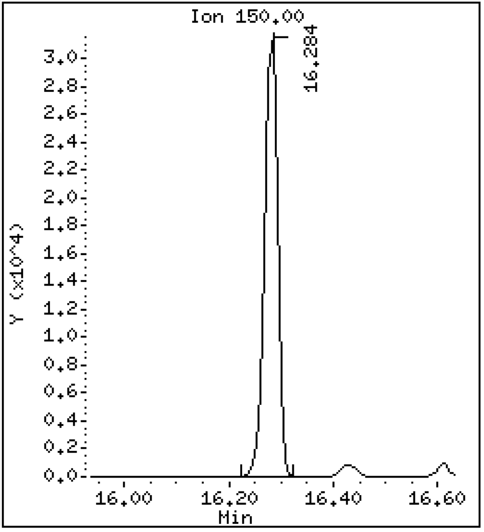

Scan 1490 (16.284 min) of NT1422123014.D (Subtracted)


50 Diethylphthalate (Reference Spectrum)


Scan 1490 (16.284 min) of NT1422123014.D (% DIFFERENCE)


Ion 149.00


Ion 177.00


Ion 150.00

Data File: \\target\share\chem3\nt14.i\20221230.b\NT1422123014.D

Date : 30-DEC-2022 15:53

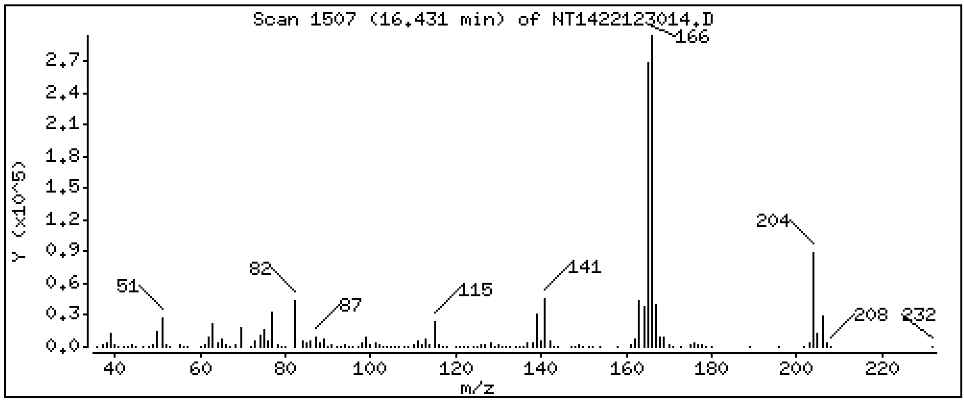
Client ID: Instrument: nt14.i

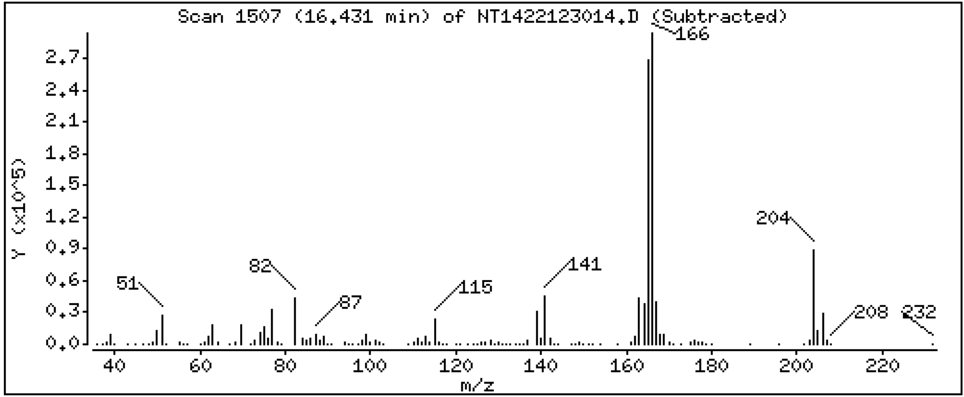
Sample Info: SKL0355-ICV2

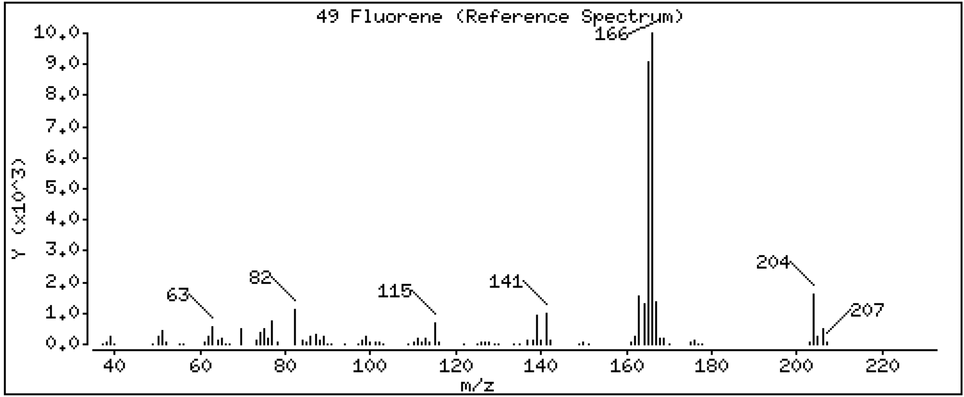
Operator: VTS

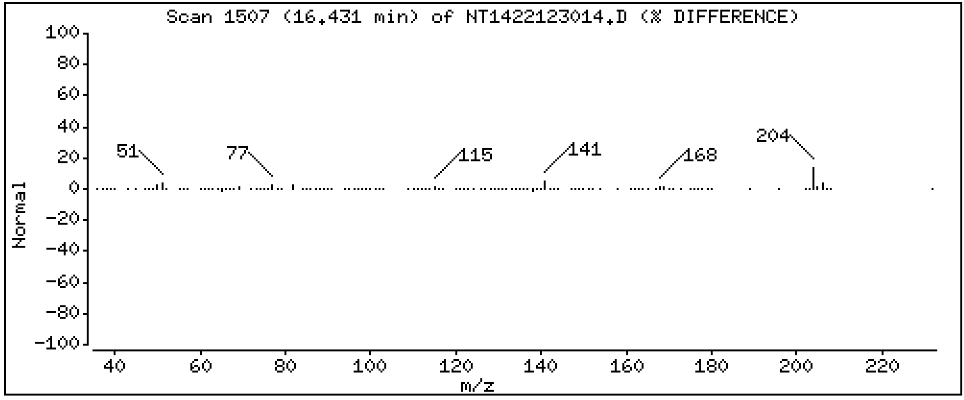
Column phase: ZB-5msi Column diameter: 0.25

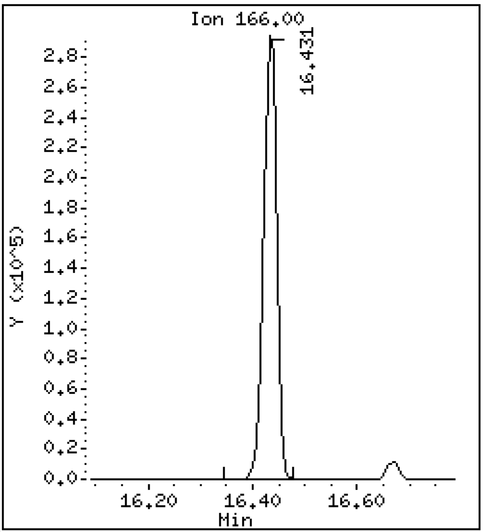
49 Fluorene Concentration: 4.940 ug/mL

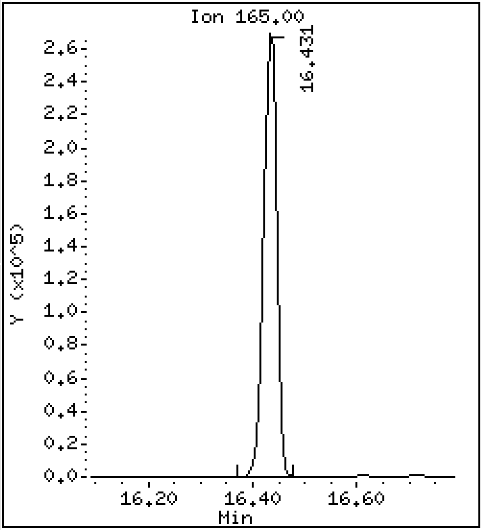

Scan 1507 (16.431 min) of NT1422123014.D

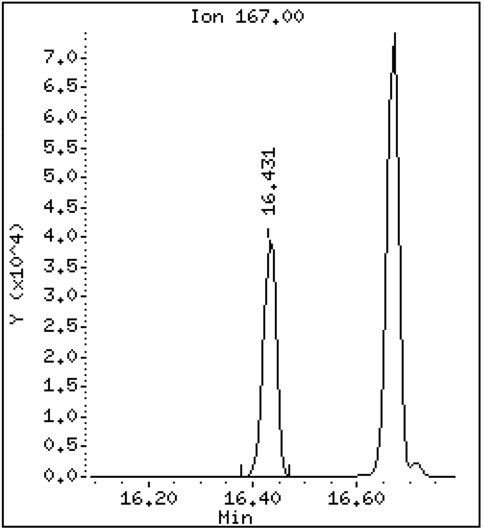

Scan 1507 (16.431 min) of NT1422123014.D (Subtracted)


49 Fluorene (Reference Spectrum)


Scan 1507 (16.431 min) of NT1422123014.D (% DIFFERENCE)


Ion 166.00


Ion 165.00


Ion 167.00

Data File: \\target\share\chem3\nt14.i\20221230.b\NT1422123014.D

Date : 30-DEC-2022 15:53

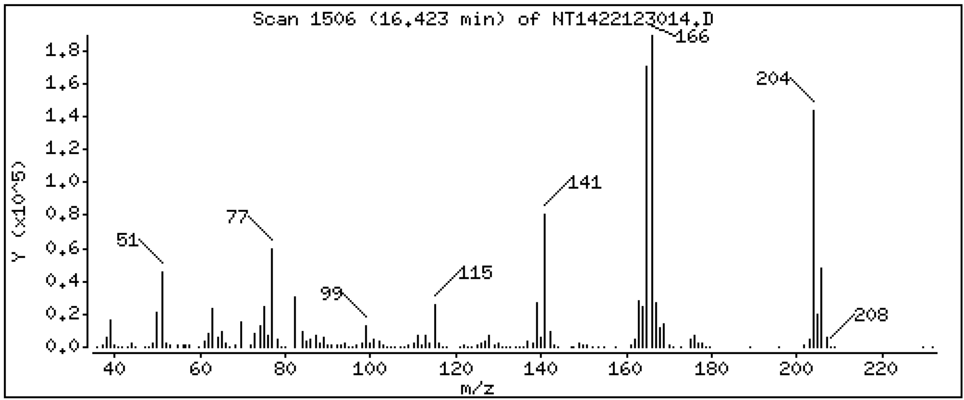
Client ID: Instrument: nt14.i

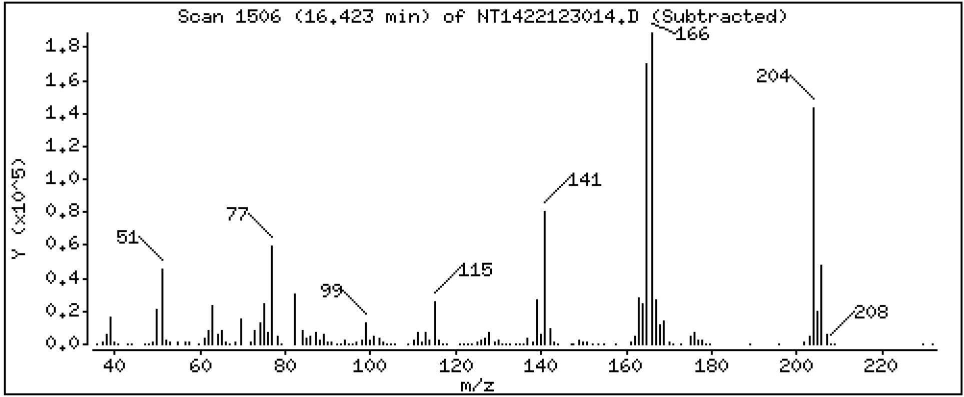
Sample Info: SKL0355-ICV2

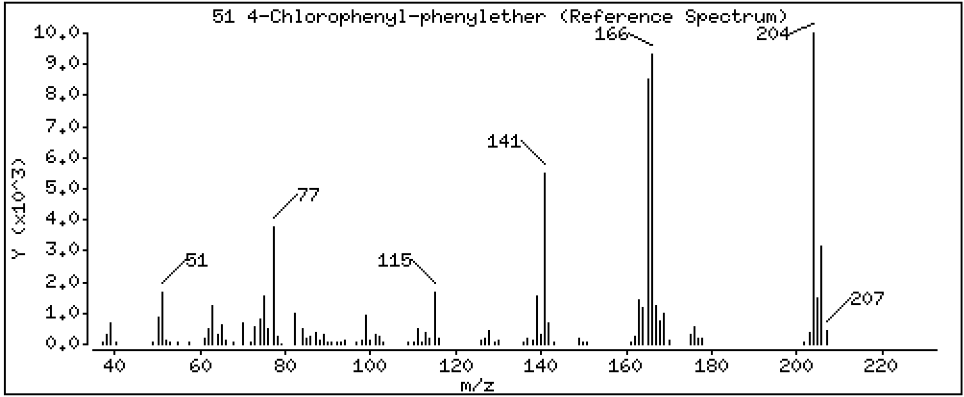
Operator: VTS

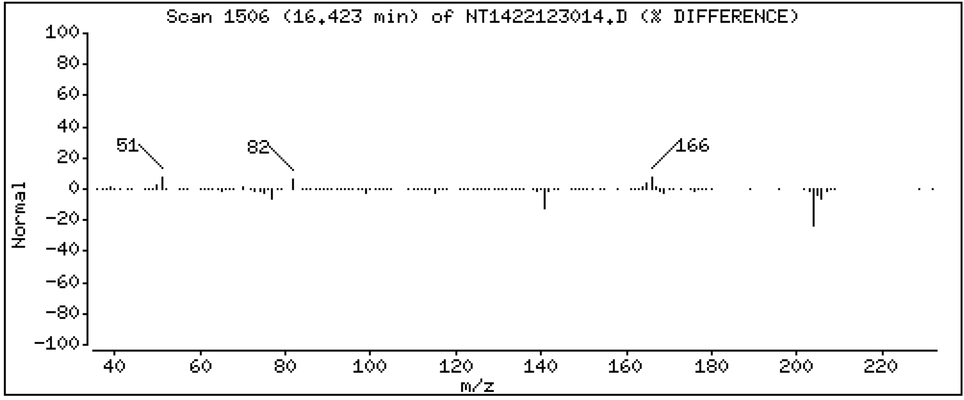
Column phase: ZB-5msi Column diameter: 0.25

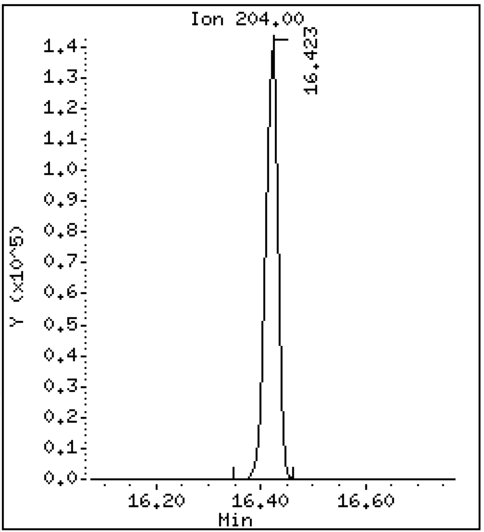
51 4-Chlorophenyl-phenylether Concentration: 4.666 ug/mL

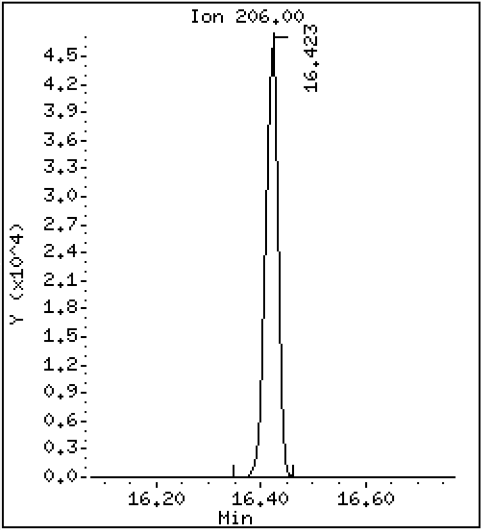

Scan 1506 (16.423 min) of NT1422123014.D

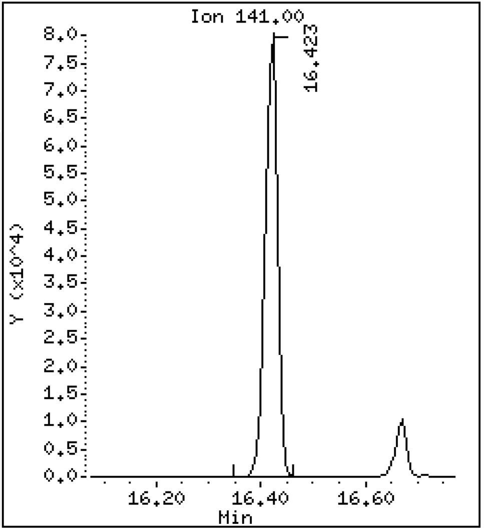

Scan 1506 (16.423 min) of NT1422123014.D (Subtracted)


51 4-Chlorophenyl-phenylether (Reference Spectrum)


Scan 1506 (16.423 min) of NT1422123014.D (% DIFFERENCE)


Ion 204.00


Ion 206.00


Ion 141.00

Data File: \\target\share\chem3\nt14.i\20221230.b\NT1422123014.D

Date : 30-DEC-2022 15:53

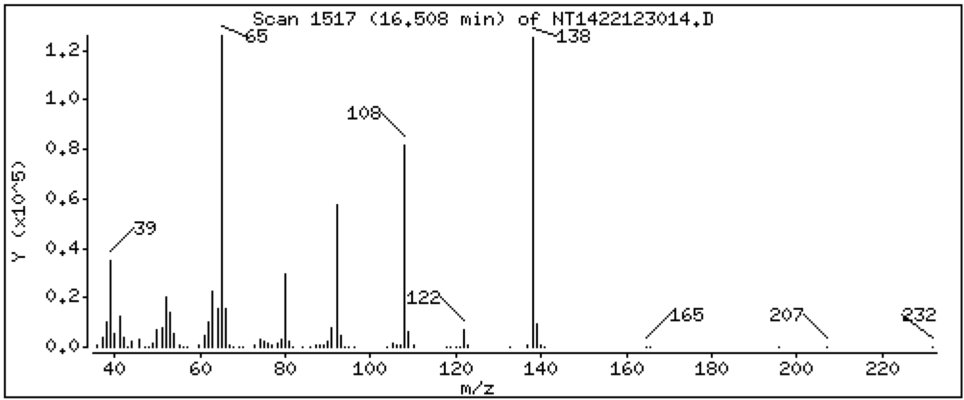
Client ID: Instrument: nt14.i

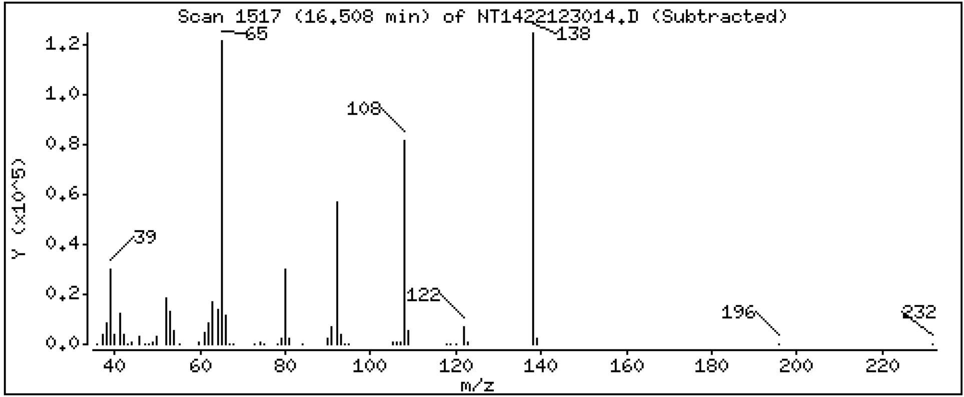
Sample Info: SKL0355-ICV2

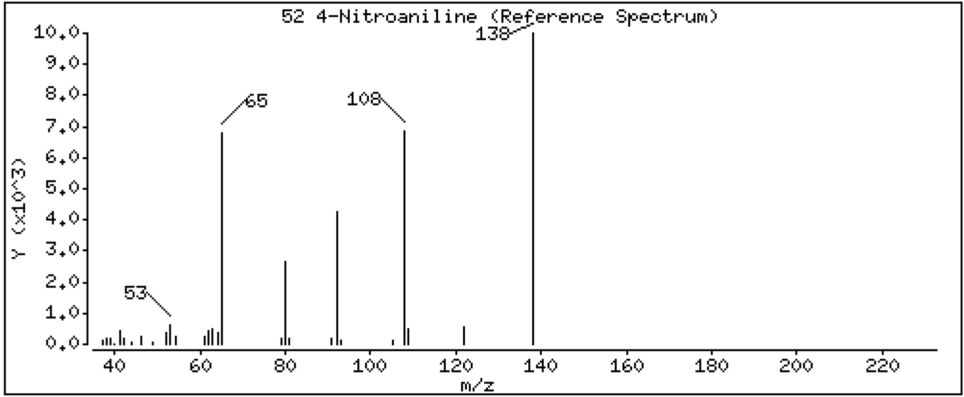
Operator: VTS

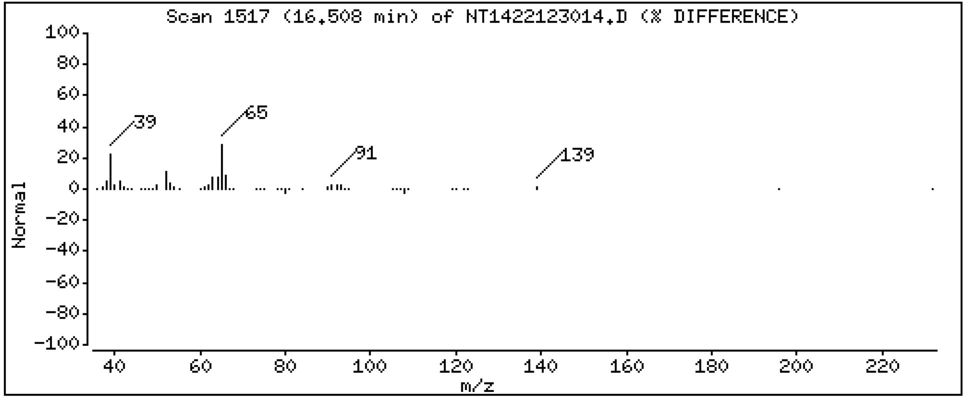
Column phase: ZB-5msi Column diameter: 0.25

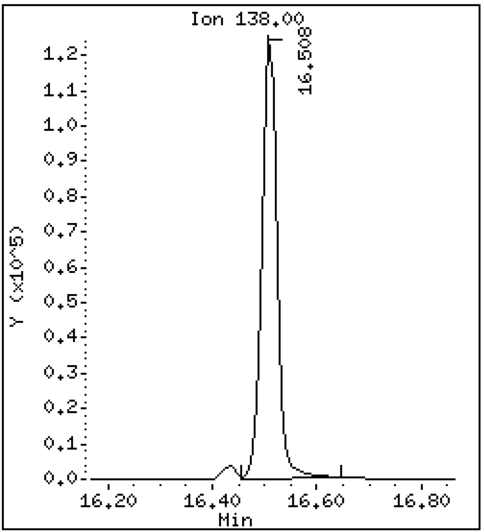
52 4-Nitroaniline Concentration: 9.616 ug/mL

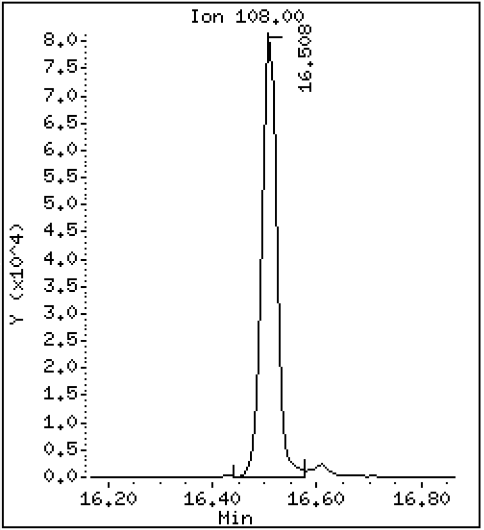


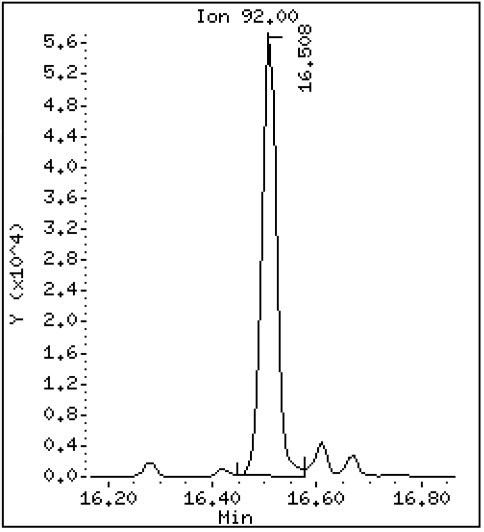












Data File: \\target\share\chem3\nt14.i\20221230.b\NT1422123014.D

Date : 30-DEC-2022 15:53

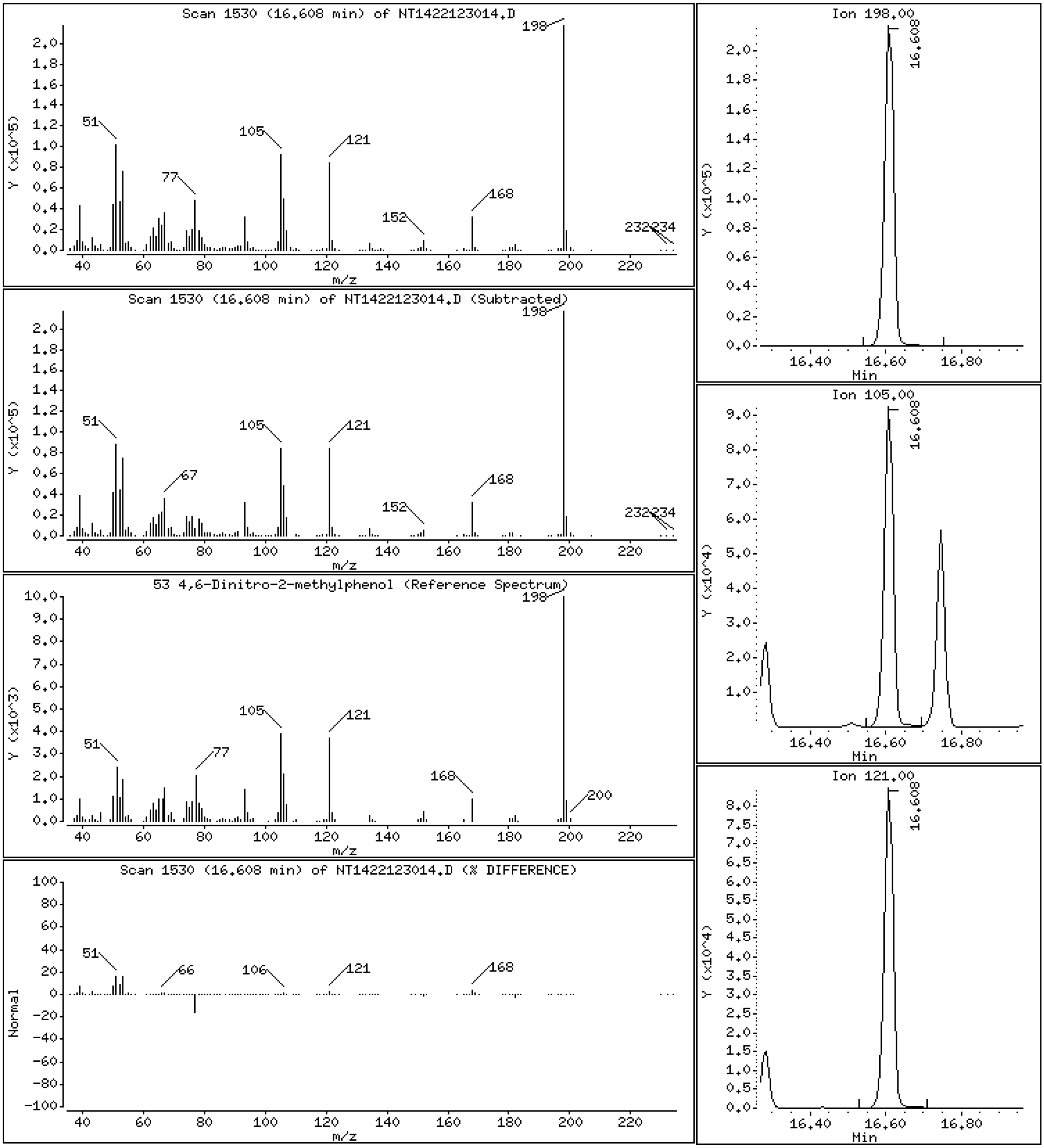
Client ID: Instrument: nt14.i

Sample Info: SKL0355-ICV2

Operator: VTS

Column phase: ZB-5msi Column diameter: 0.25

53 4,6-Dinitro-2-methylphenol Concentration: 19.19 ug/mL



Data File: \\target\share\chem3\nt14.i\20221230.b\NT1422123014.D

Date : 30-DEC-2022 15:53

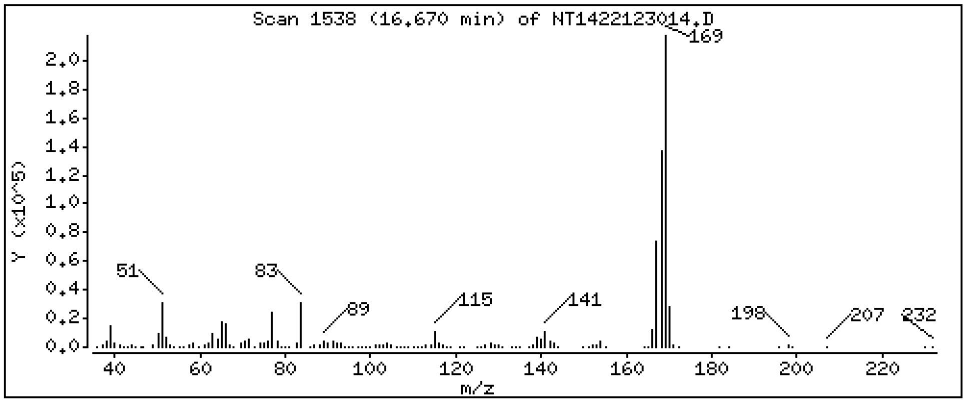
Client ID: Instrument: nt14.i

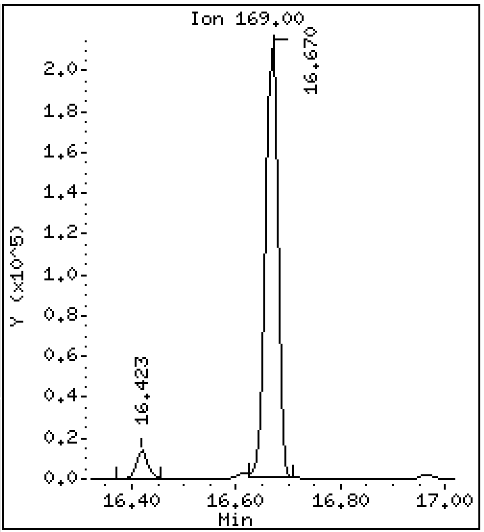
Sample Info: SKL0355-ICV2

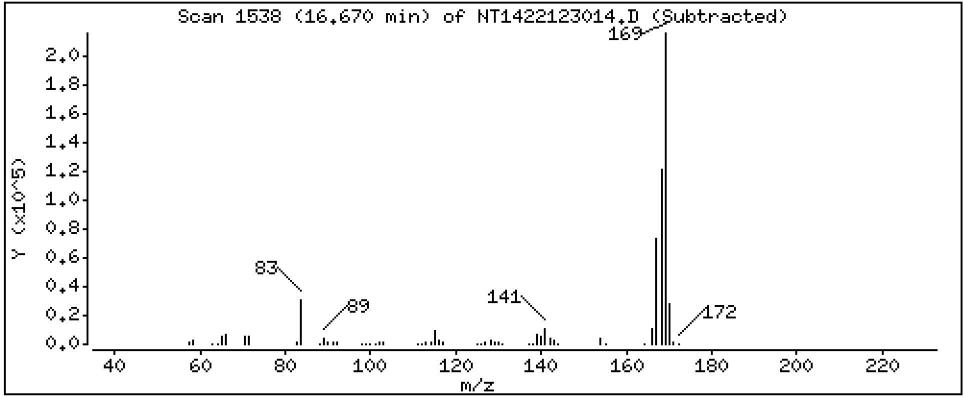
Operator: VTS

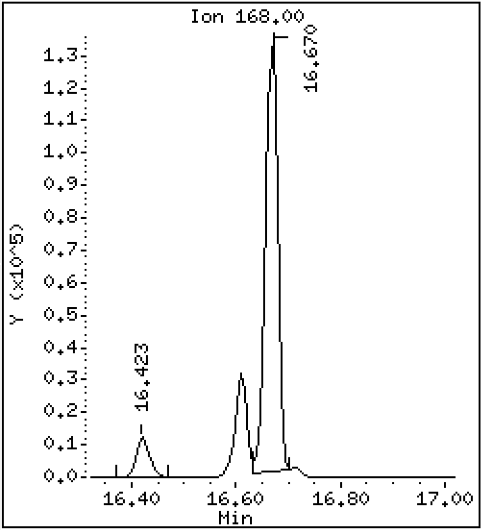
Column phase: ZB-5msi Column diameter: 0.25

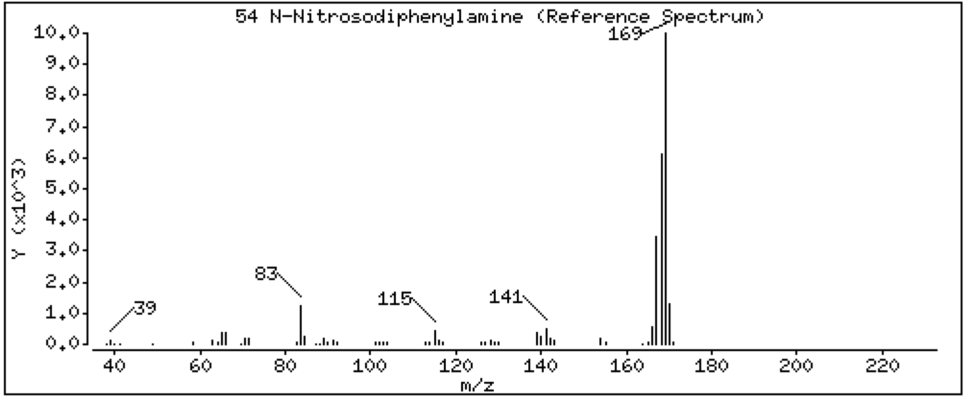
54 N-Nitrosodiphenylamine Concentration: 4.619 ug/mL

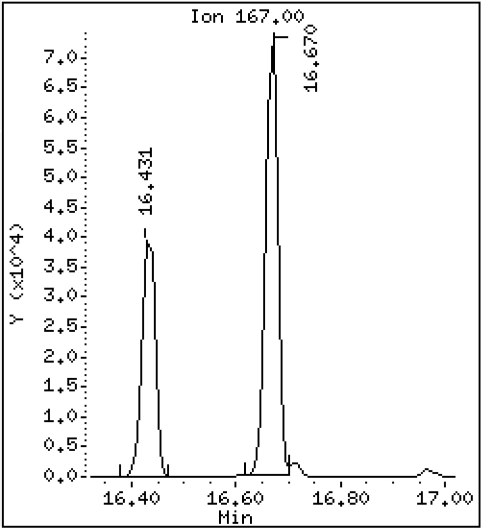

Scan 1538 (16.670 min) of NT1422123014.D

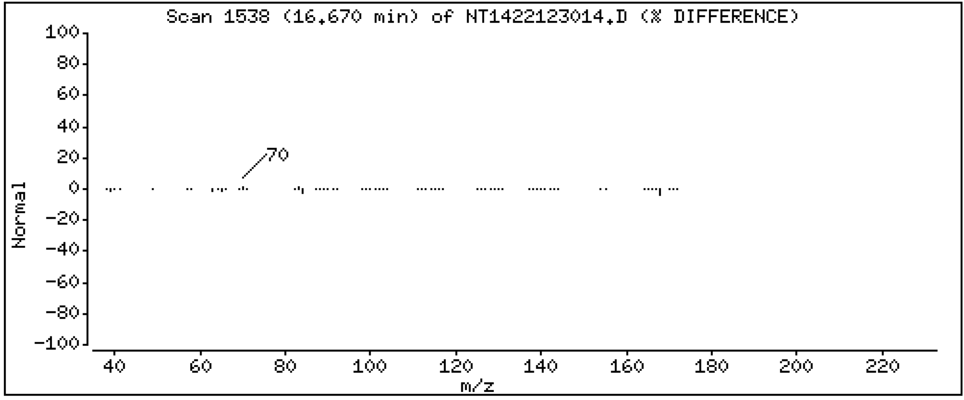

Ion 169.00


Scan 1538 (16.670 min) of NT1422123014.D (Subtracted)


Ion 168.00


54 N-Nitrosodiphenylamine (Reference Spectrum)


Ion 167.00


Scan 1538 (16.670 min) of NT1422123014.D (% DIFFERENCE)

Data File: \\target\share\chem3\nt14.i\20221230.b\NT1422123014.D

Date : 30-DEC-2022 15:53

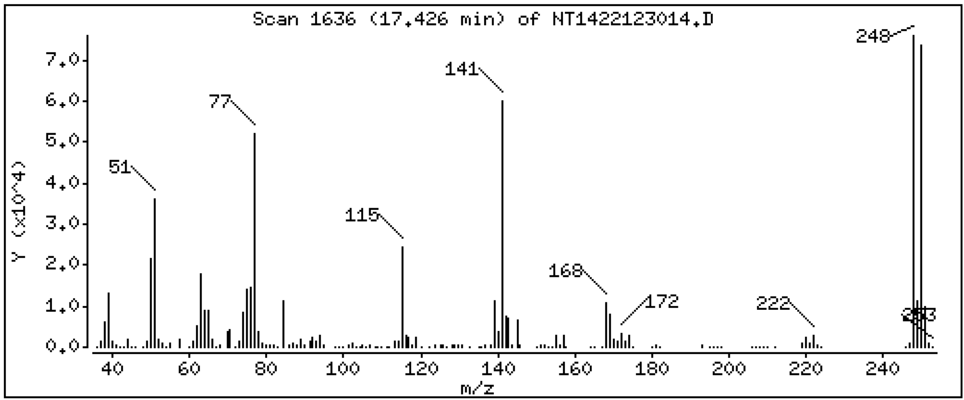
Client ID: Instrument: nt14.i

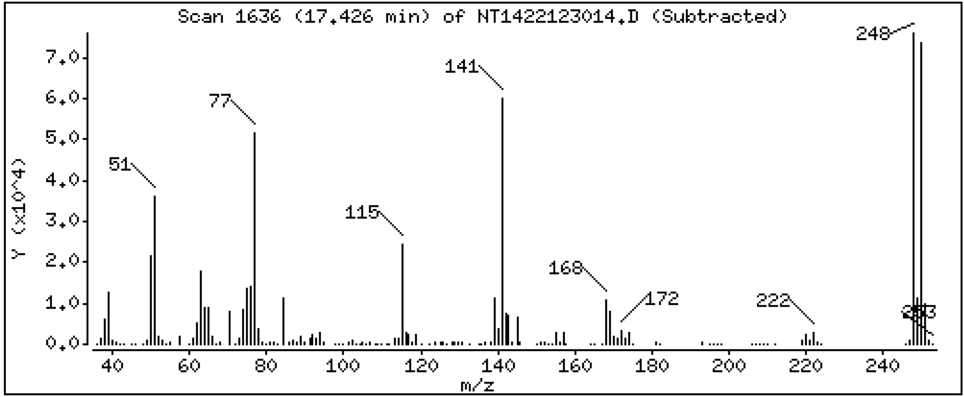
Sample Info: SKL0355-ICV2

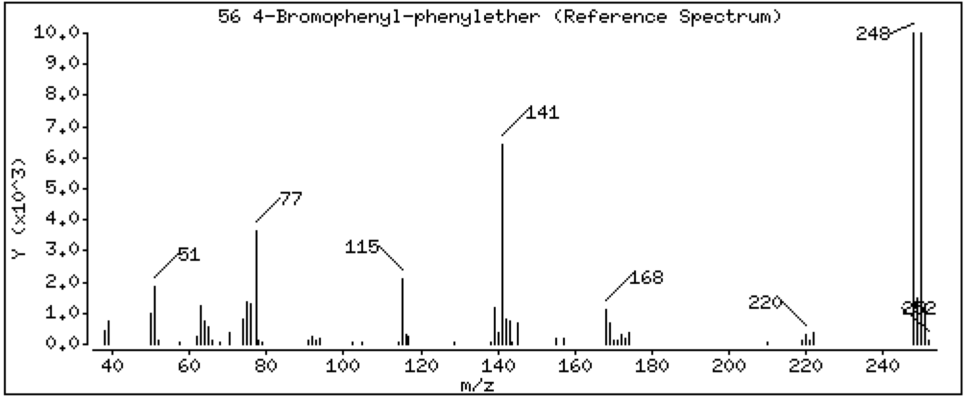
Operator: VTS

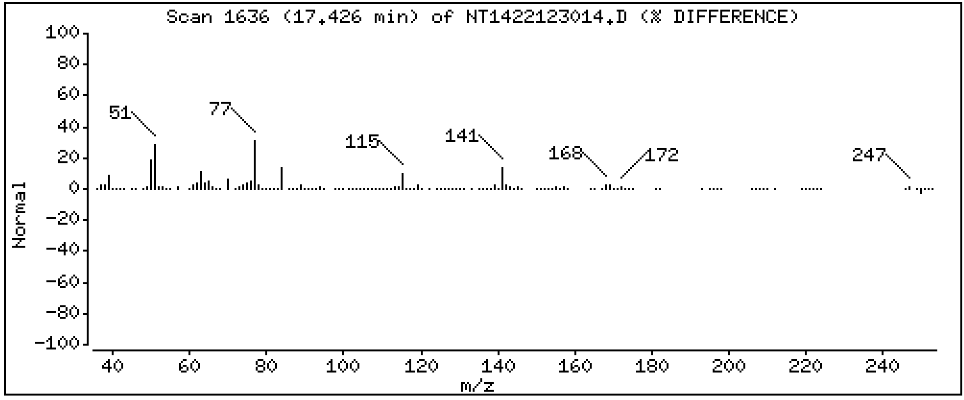
Column phase: ZB-5msi Column diameter: 0.25

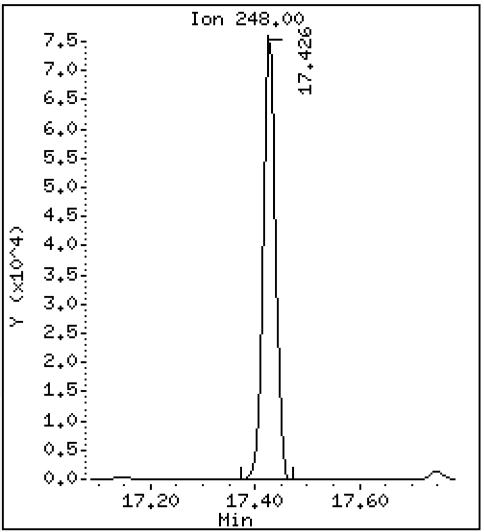
56 4-Bromophenyl-phenylether Concentration: 4.600 ug/mL

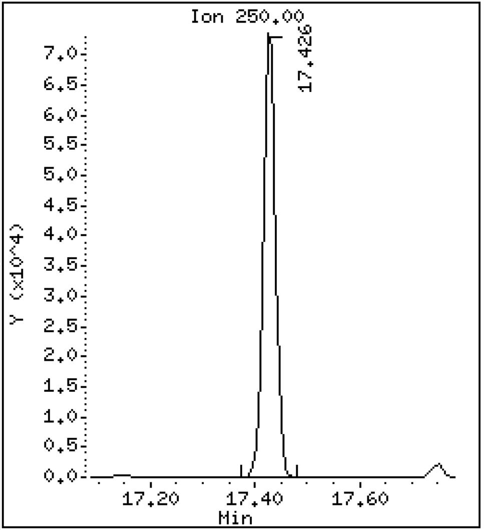


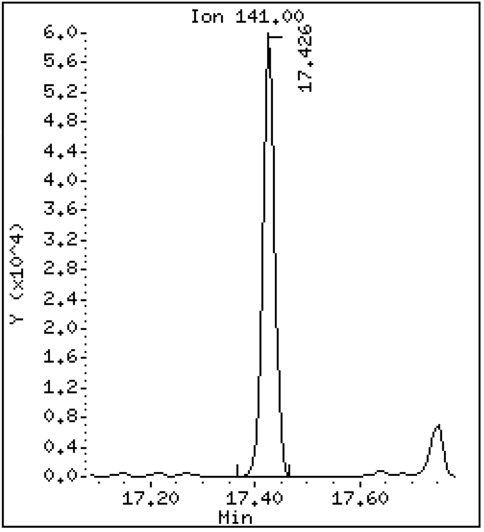












Data File: \\target\share\chem3\nt14.i\20221230.b\NT1422123014.D

Date : 30-DEC-2022 15:53

Client ID:

Instrument: nt14.i

Sample Info: SKL0355-ICV2

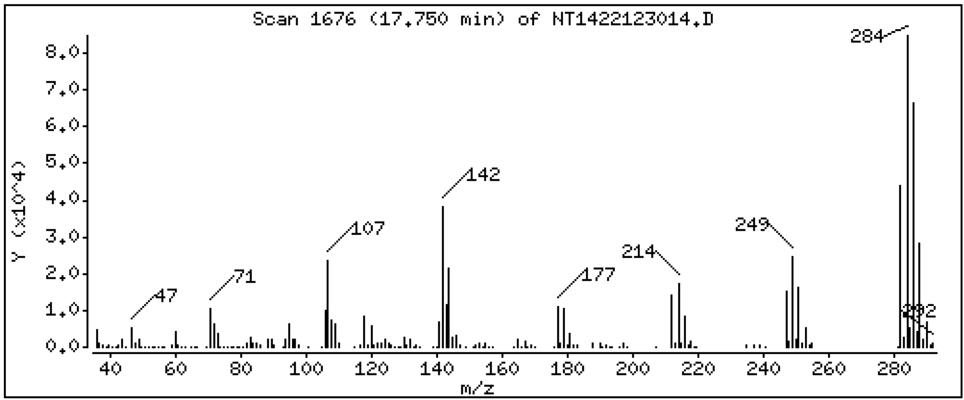
Operator: VTS

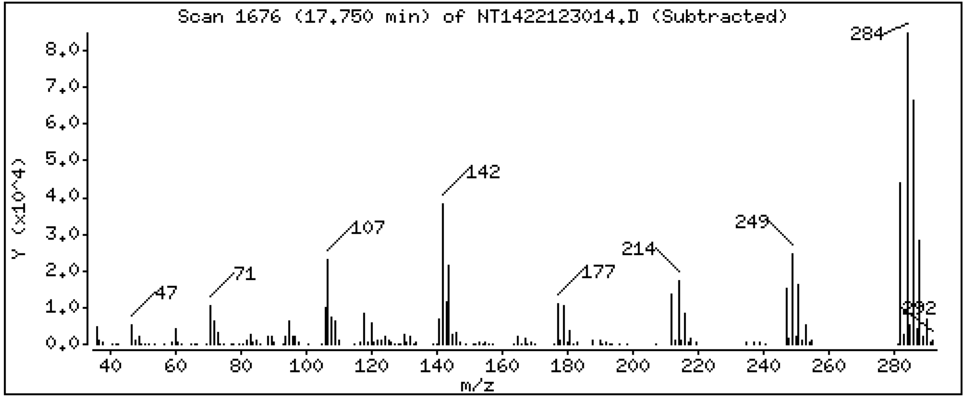
Column phase: ZB-5msi

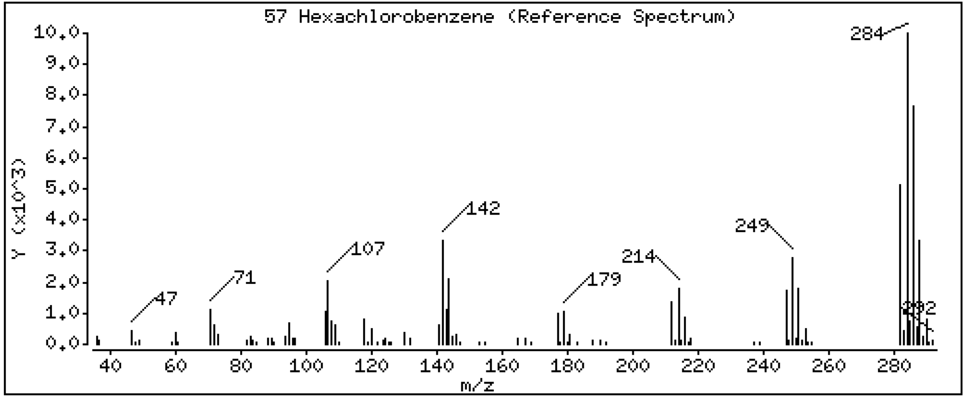
Column diameter: 0.25

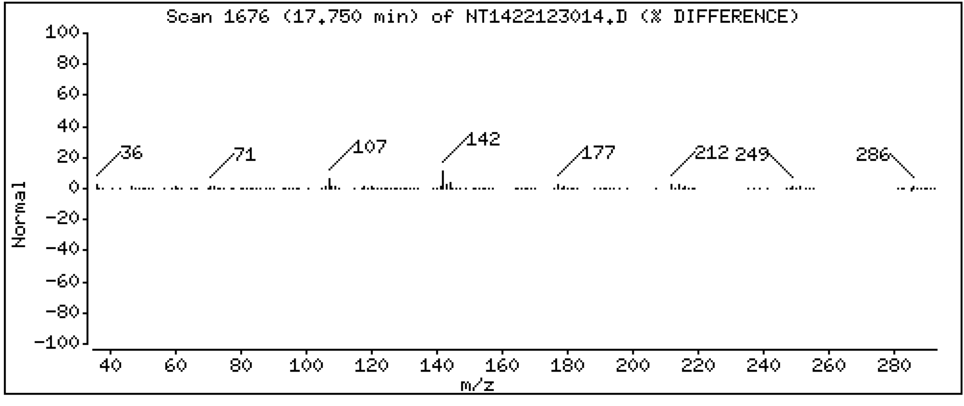
57 Hexachlorobenzene

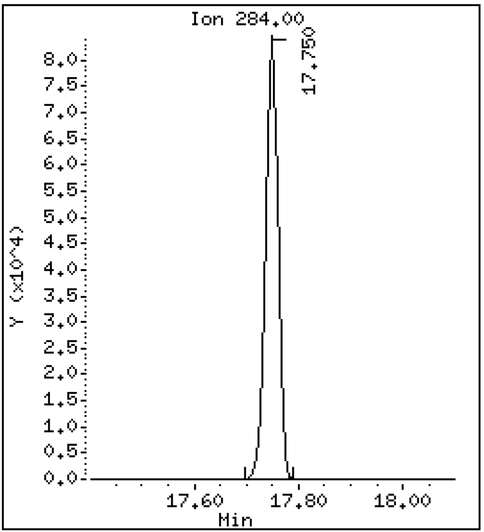
Concentration: 4.512 ug/mL

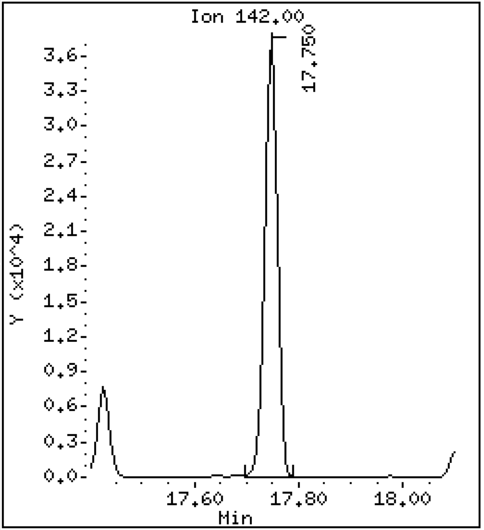

Scan 1676 (17.750 min) of NT1422123014.D

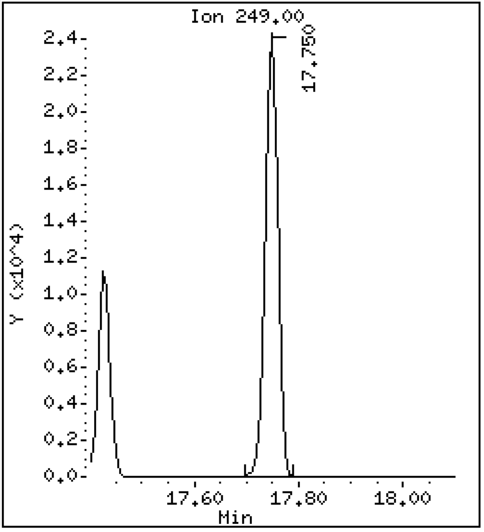

Scan 1676 (17.750 min) of NT1422123014.D (Subtracted)


57 Hexachlorobenzene (Reference Spectrum)


Scan 1676 (17.750 min) of NT1422123014.D (% DIFFERENCE)


Ion 284.00


Ion 142.00


Ion 249.00

Data File: \\target\share\chem3\nt14.i\20221230.b\NT1422123014.D

Date : 30-DEC-2022 15:53

Client ID:

Instrument: nt14.i

Sample Info: SKL0355-ICV2

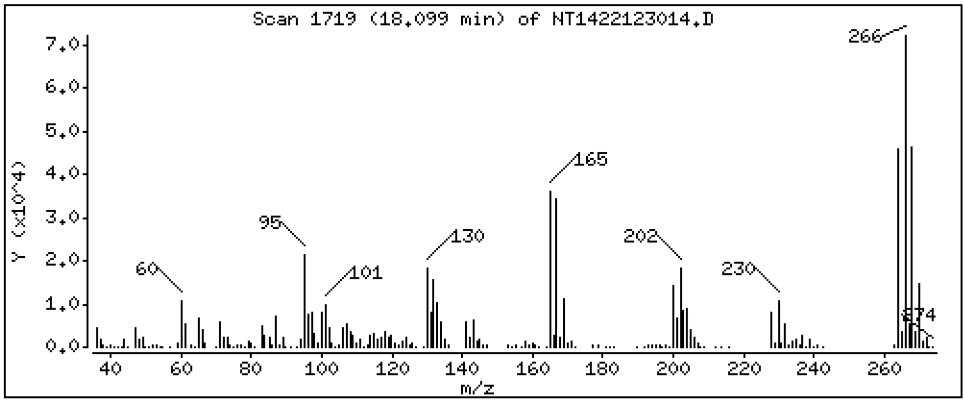
Operator: VTS

Column phase: ZB-5msi

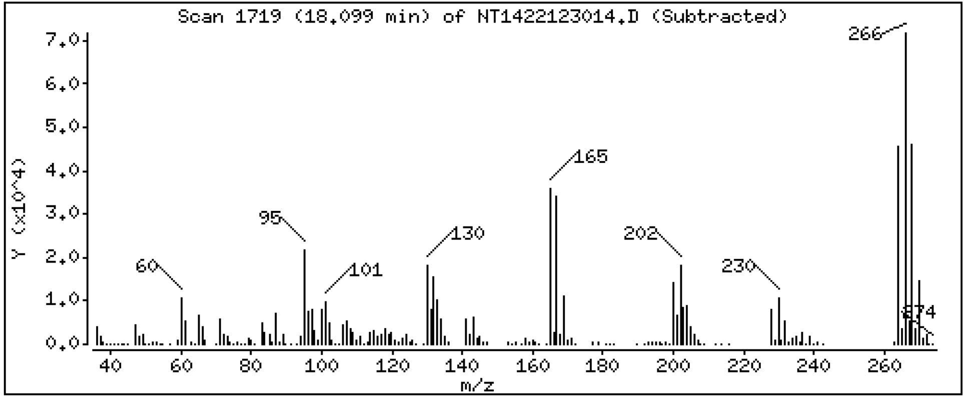
Column diameter: 0.25

58 Pentachlorophenol

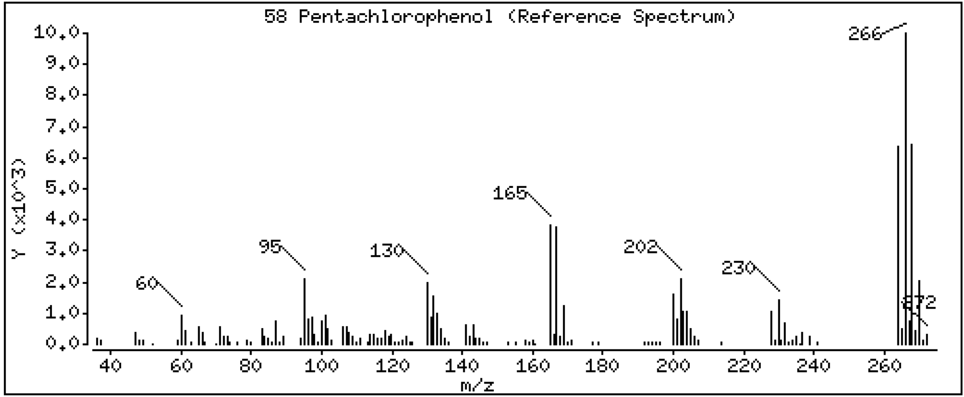
Concentration: 8.913 ug/mL



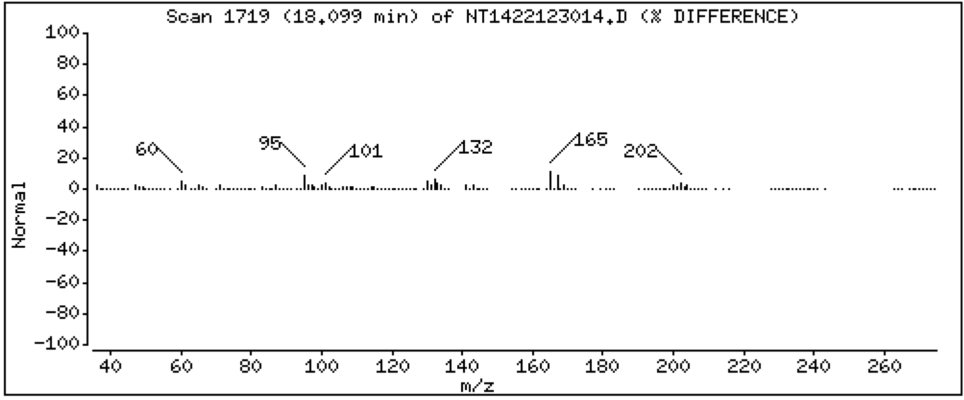
Scan 1719 (18.099 min) of NT1422123014.D



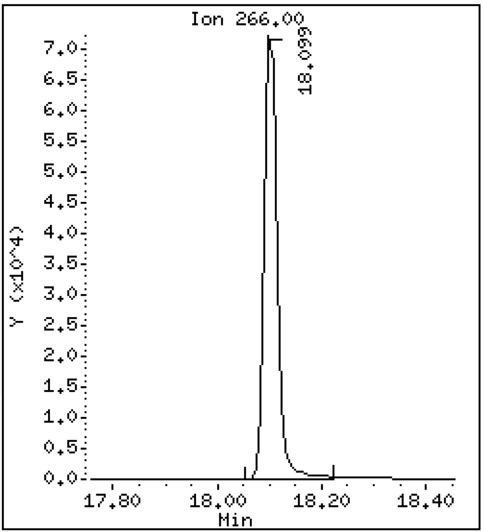
Scan 1719 (18.099 min) of NT1422123014.D (Subtracted)



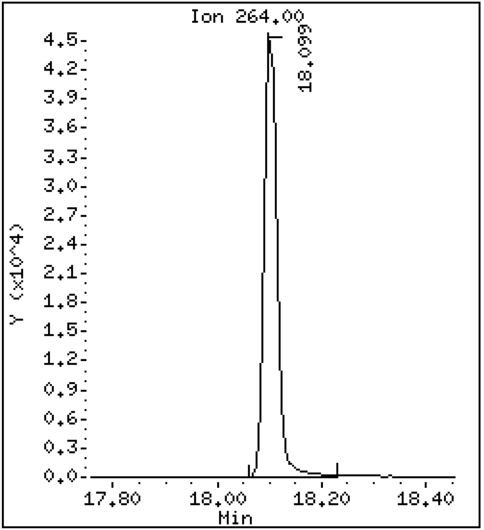
58 Pentachlorophenol (Reference Spectrum)



Scan 1719 (18.099 min) of NT1422123014.D (% DIFFERENCE)



Ion 266.00



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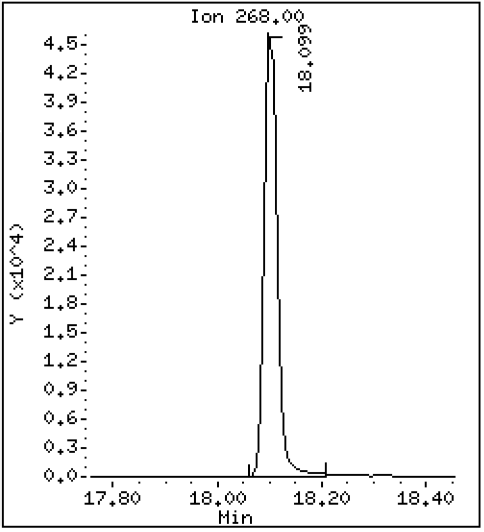


Ion 268.00

Data File: \\target\share\chem3\nt14.i\20221230.b\NT1422123014.D

Date : 30-DEC-2022 15:53

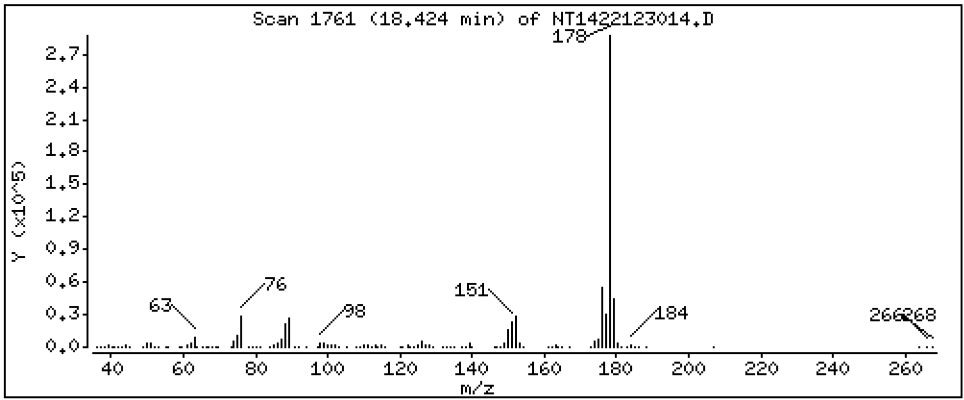
Client ID: Instrument: nt14.i

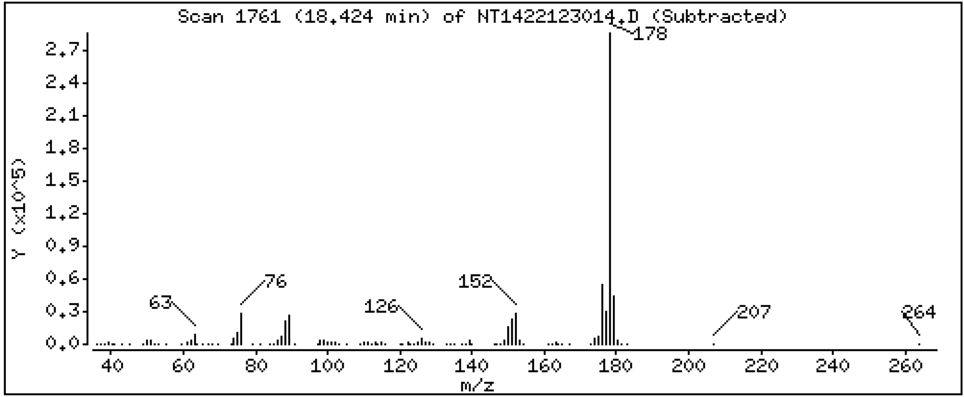
Sample Info: SKL0355-ICV2

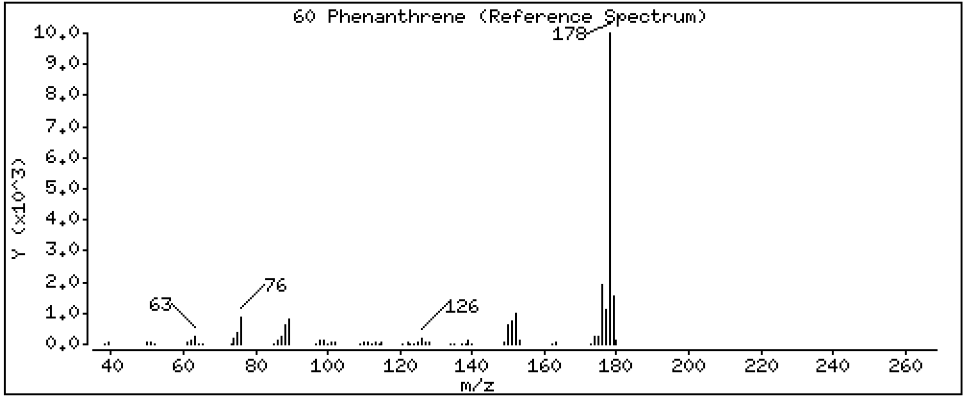
Operator: VTS

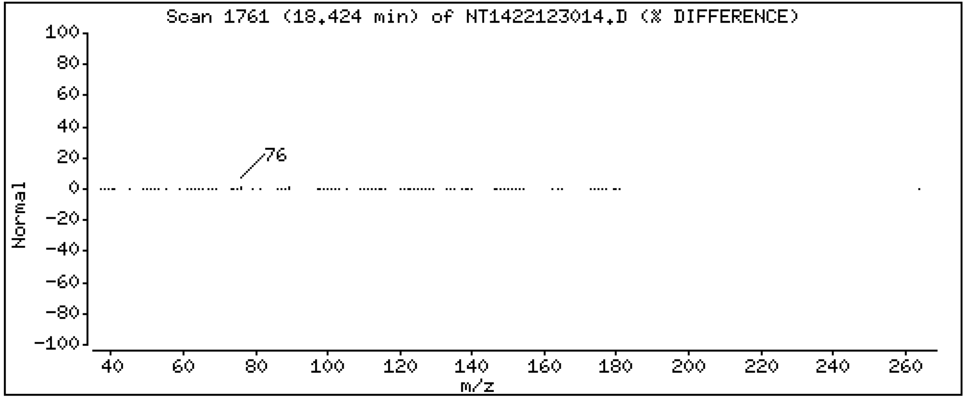
Column phase: ZB-5msi Column diameter: 0.25

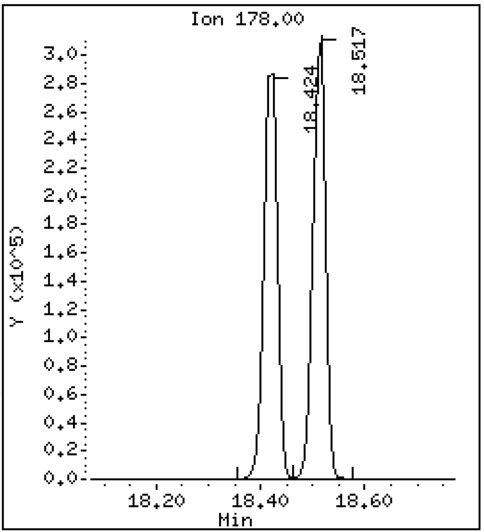
60 Phenanthrene Concentration: 4.591 ug/mL

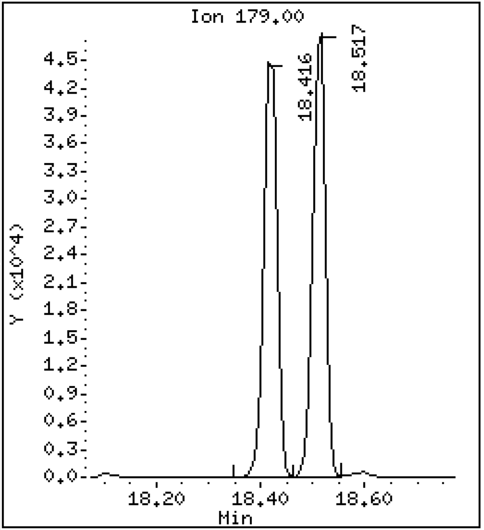

Scan 1761 (18.424 min) of NT1422123014.D


Scan 1761 (18.424 min) of NT1422123014.D (Subtracted)


60 Phenanthrene (Reference Spectrum)


Scan 1761 (18.424 min) of NT1422123014.D (% DIFFERENCE)


Ion 178.00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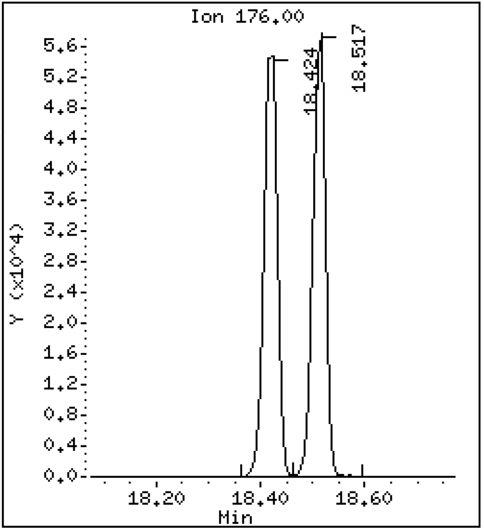

Ion 176.00

Data File: \\target\share\chem3\nt14.i\20221230.b\NT1422123014.D

Date : 30-DEC-2022 15:53

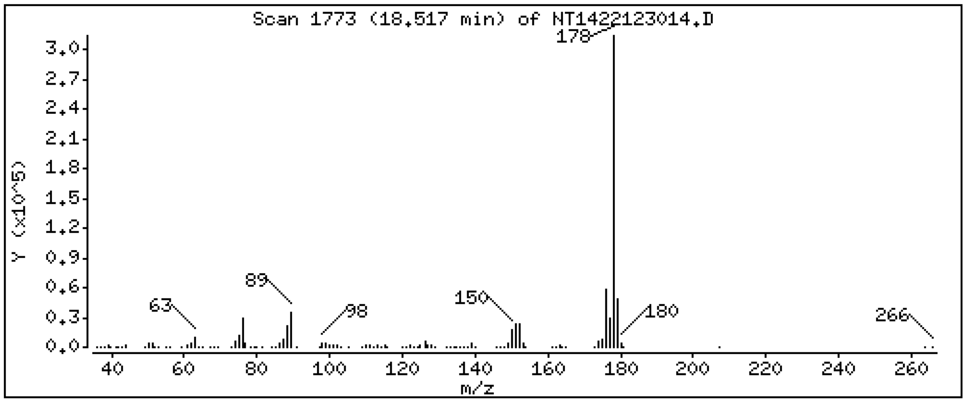
Client ID: Instrument: nt14.i

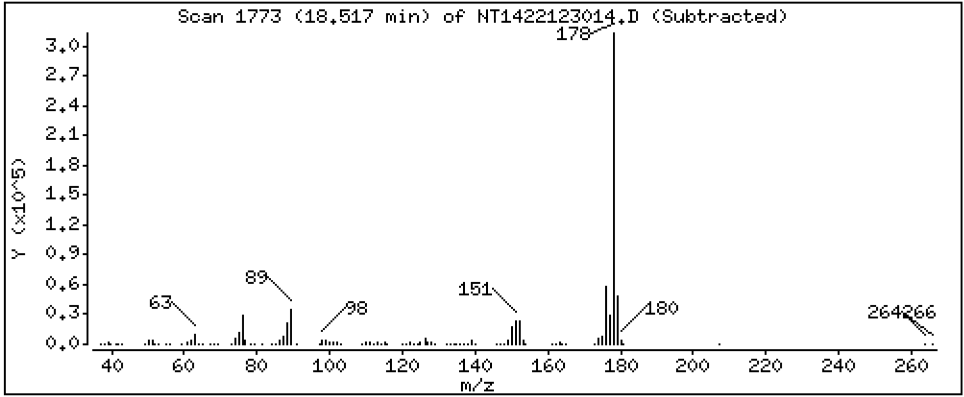
Sample Info: SKL0355-ICV2

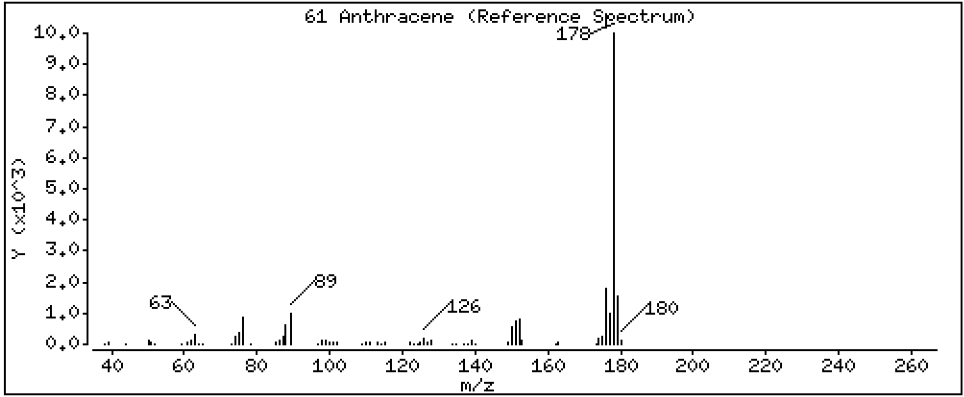
Operator: VTS

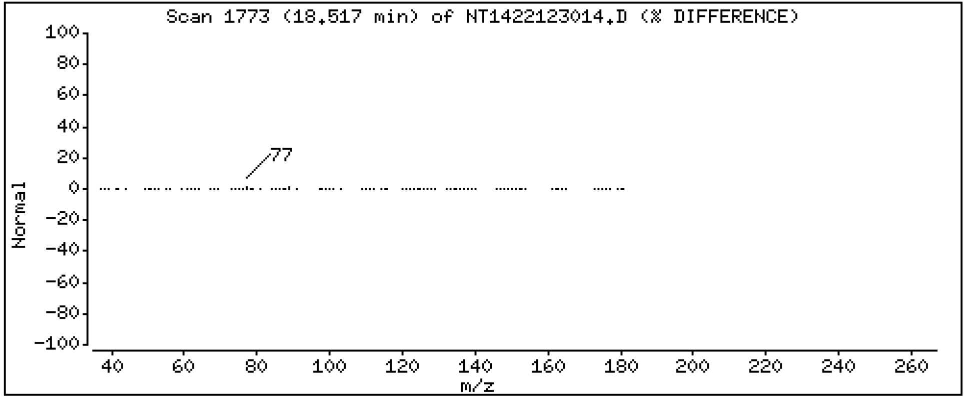
Column phase: ZB-5msi Column diameter: 0.25

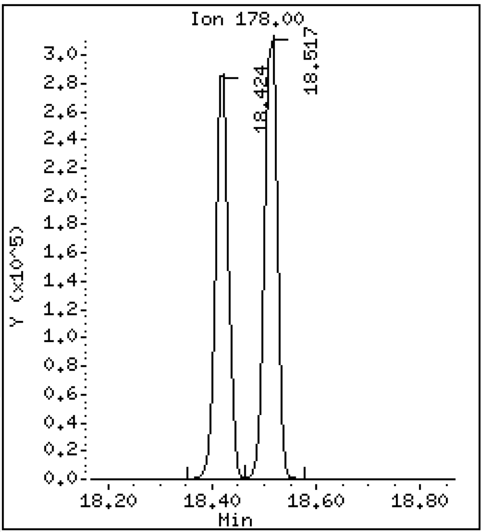
61 Anthracene Concentration: 4.879 ug/mL

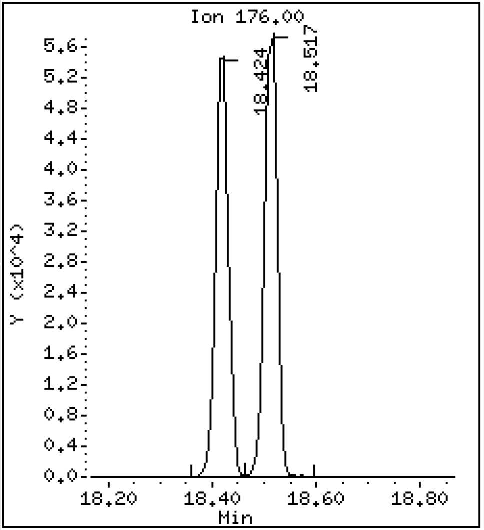


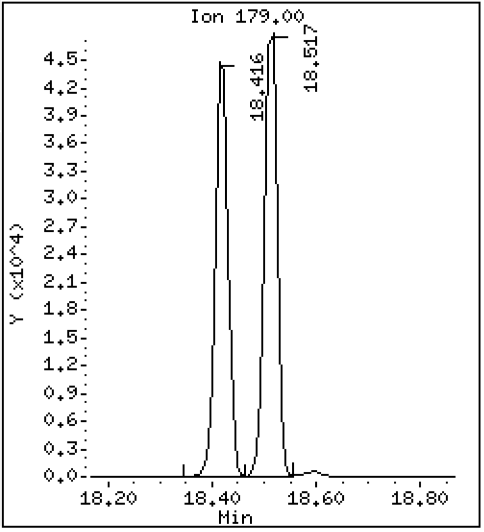












Data File: \\target\share\chem3\nt14.i\20221230.b\NT1422123014.D

Date : 30-DEC-2022 15:53

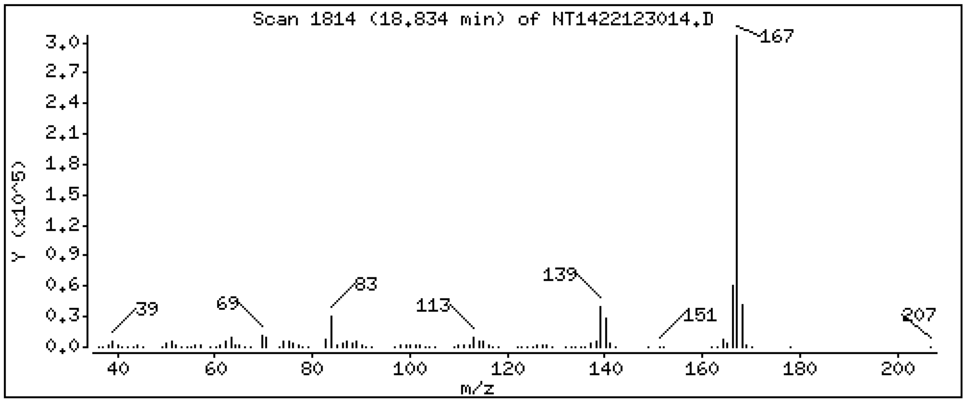
Client ID: Instrument: nt14.i

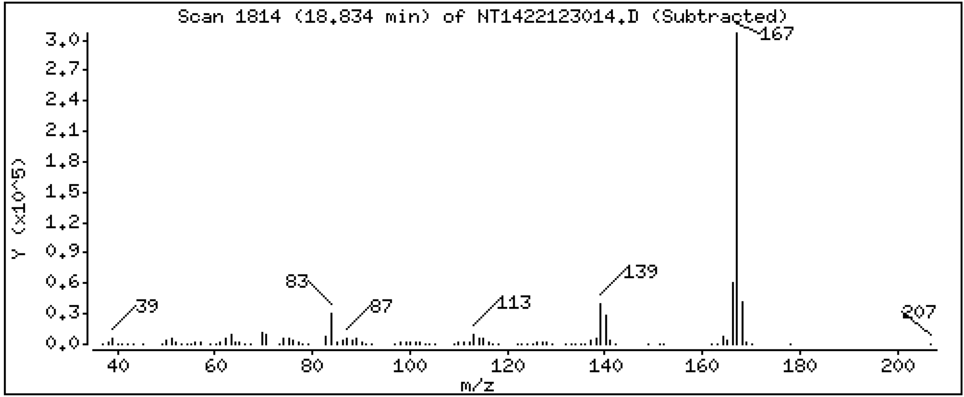
Sample Info: SKL0355-ICV2

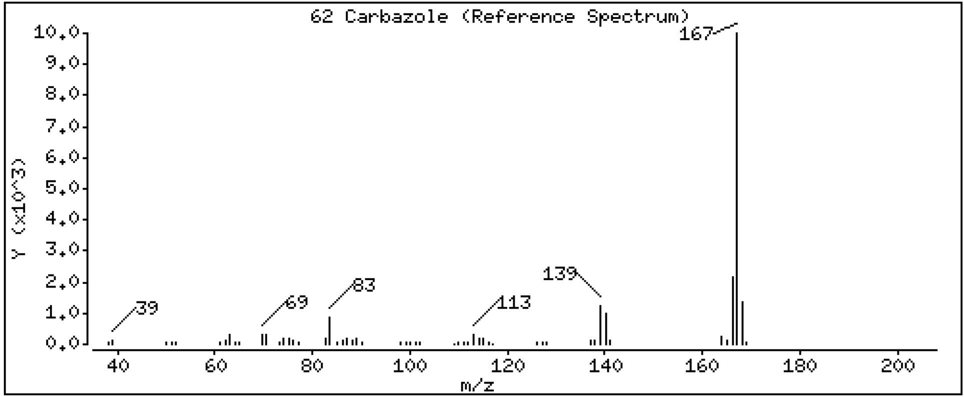
Operator: VTS

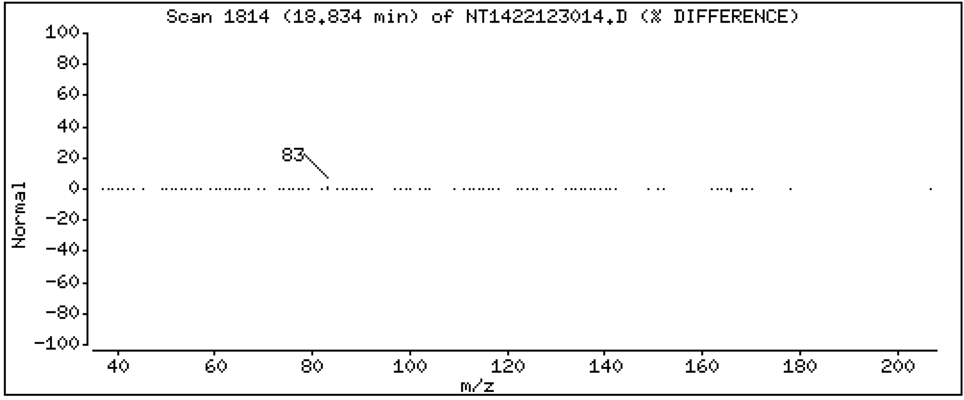
Column phase: ZB-5msi Column diameter: 0.25

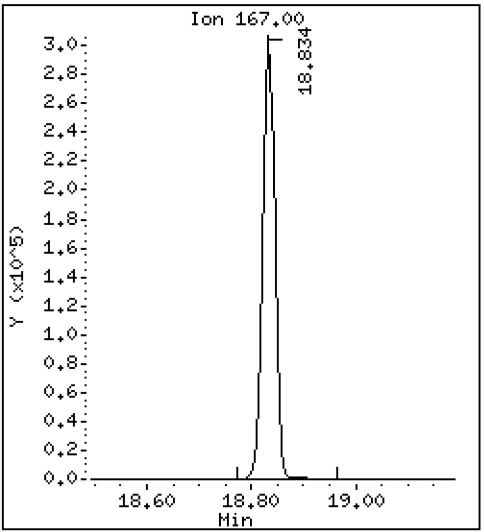
62 Carbazole Concentration: 4.678 ug/mL

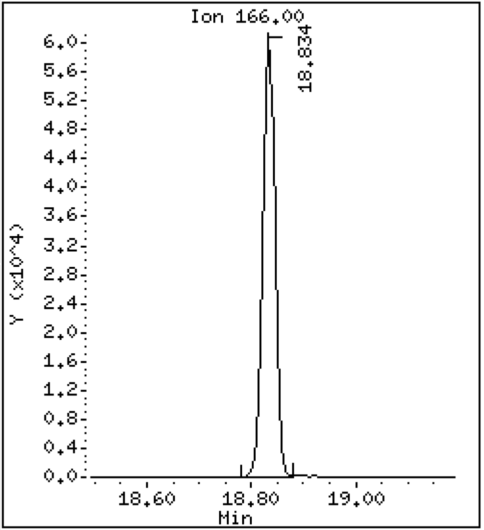


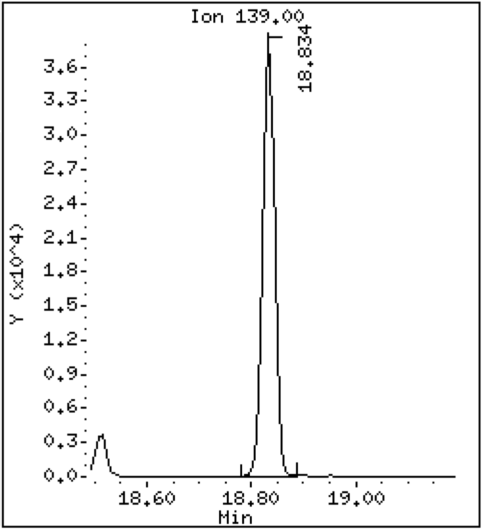












Date : 30-DEC-2022 15:53

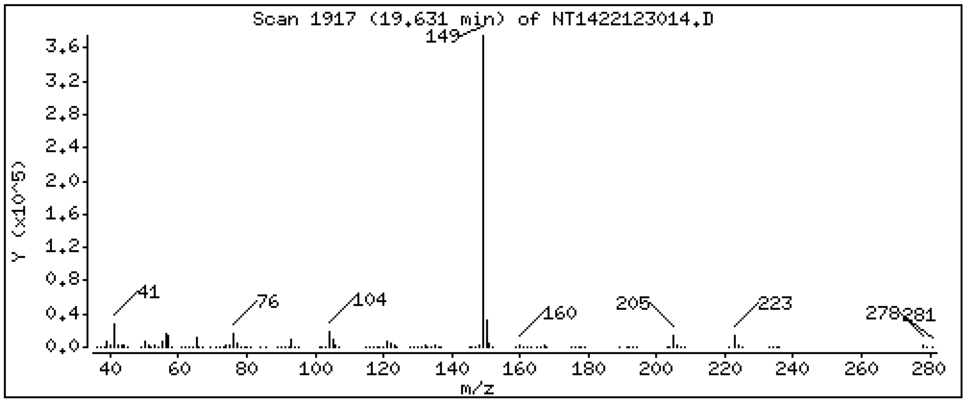
Client ID: Instrument: nt14.i

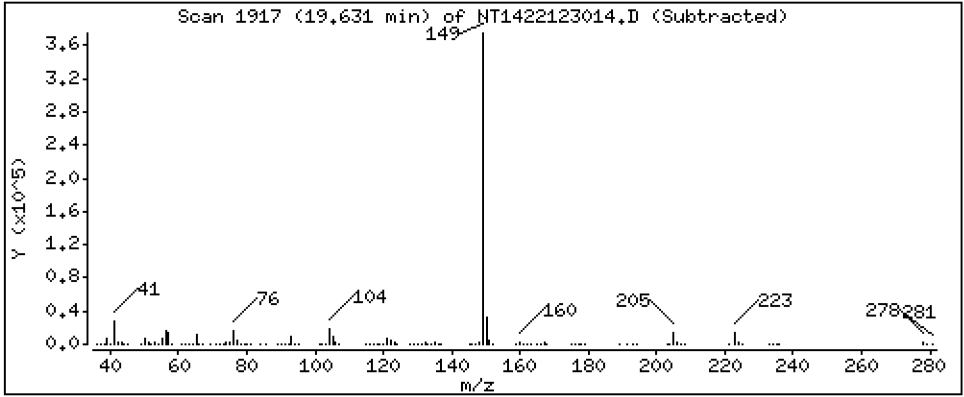
Sample Info: SKL0355-ICV2

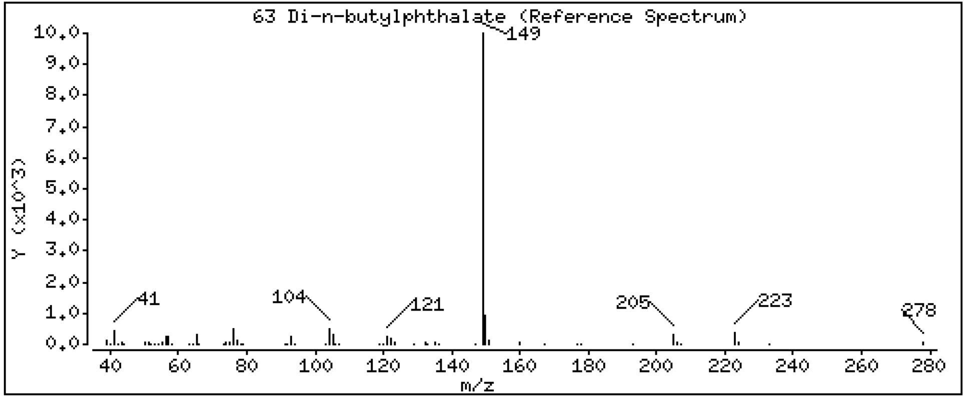
Operator: VTS

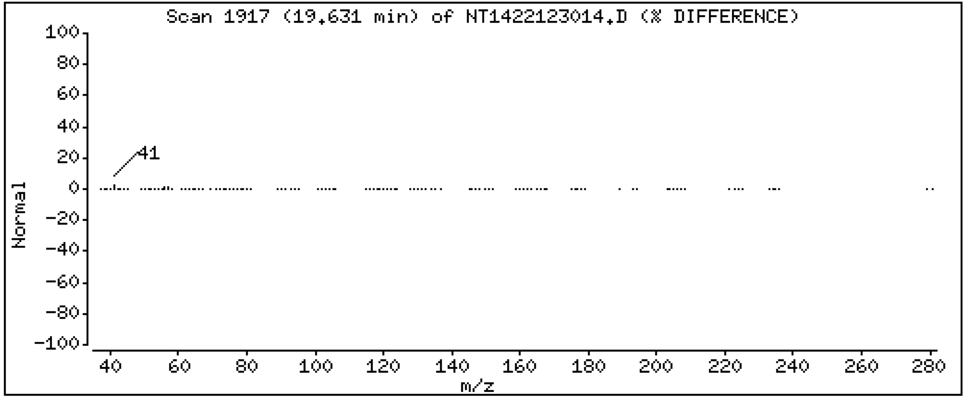
Column phase: ZB-5msi Column diameter: 0.25

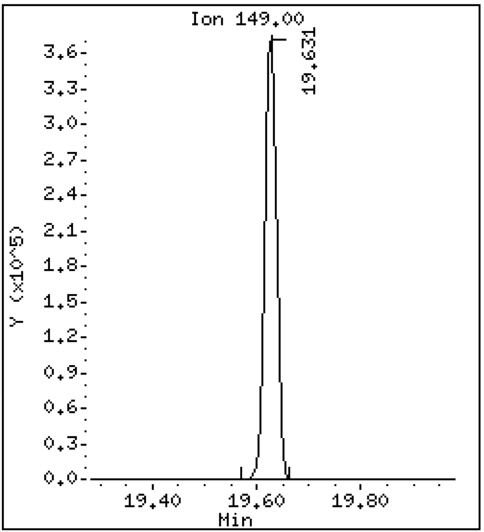
63 Di-n-butylphthalate Concentration: 4.807 ug/mL

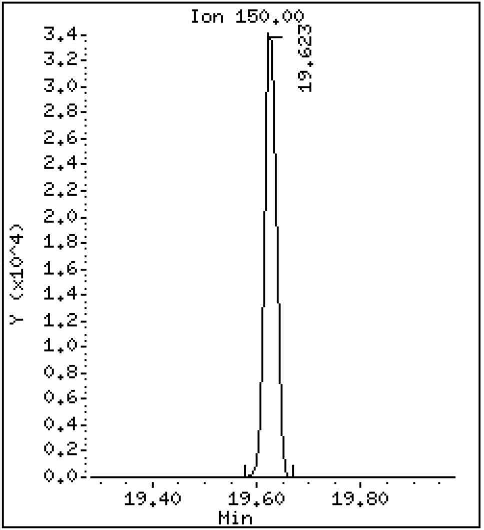


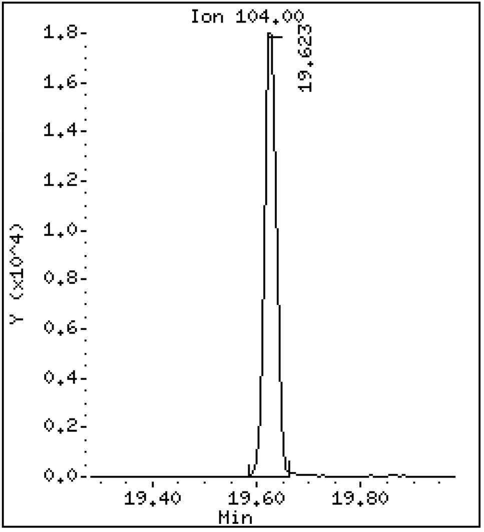












Data File: \\target\share\chem3\nt14.i\20221230.b\NT1422123014.D

Date : 30-DEC-2022 15:53

Client ID:

Instrument: nt14.i

Sample Info: SKL0355-ICV2

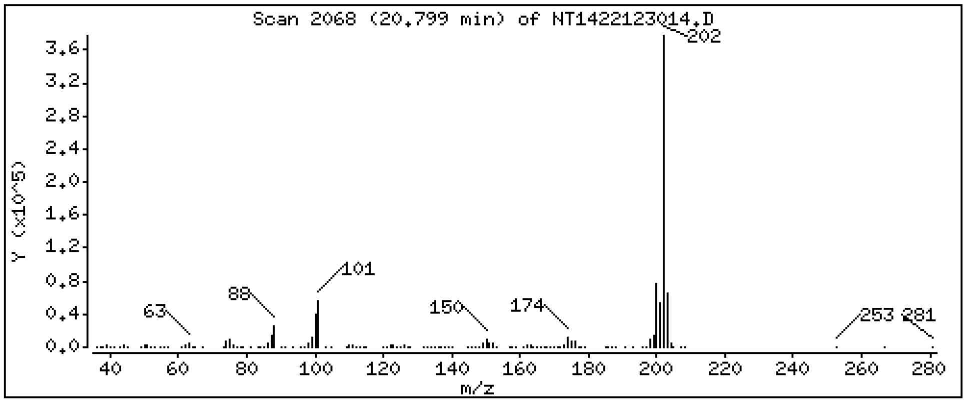
Operator: VTS

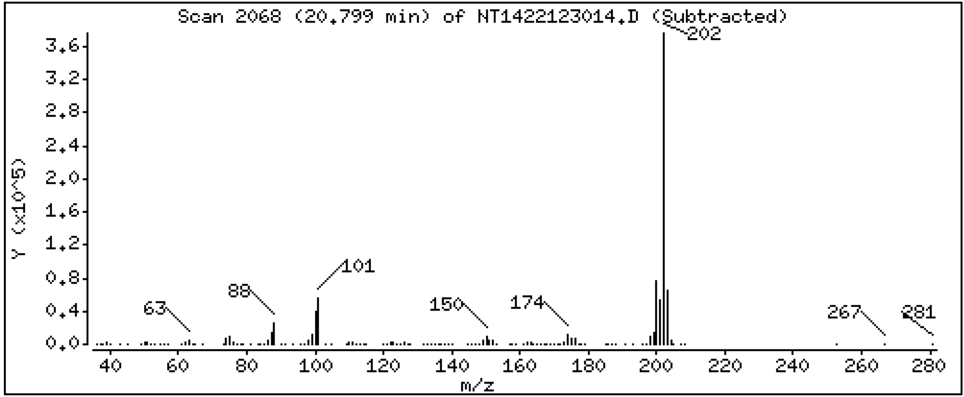
Column phase: ZB-5msi

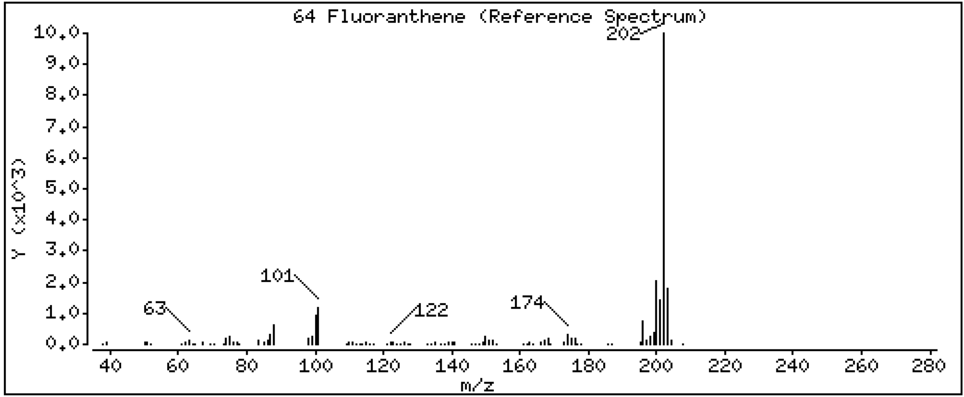
Column diameter: 0.25

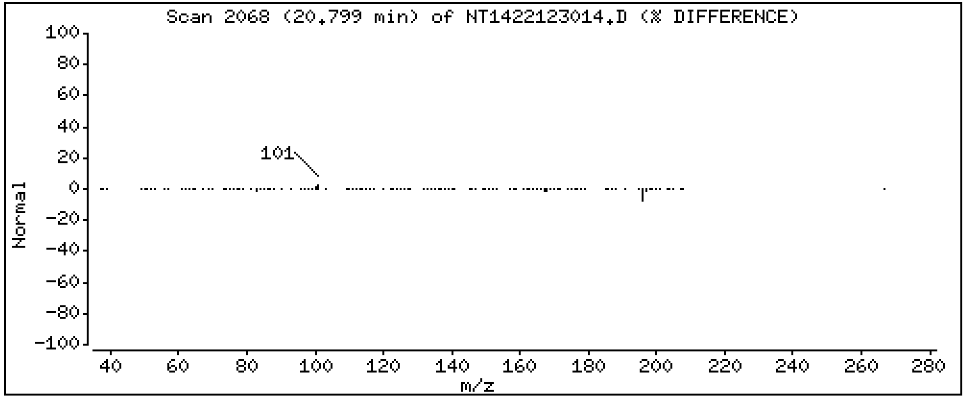
64 Fluoranthene

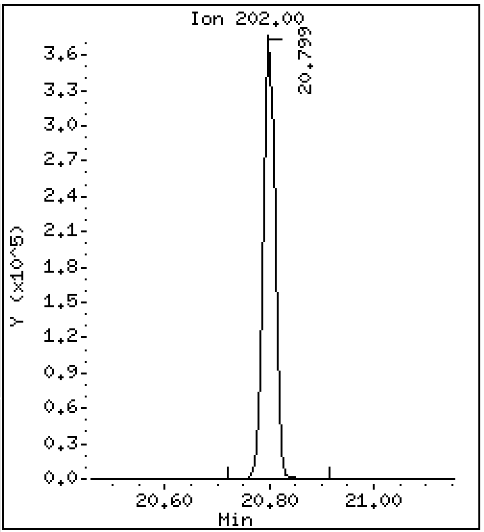
Concentration: 4.863 ug/mL

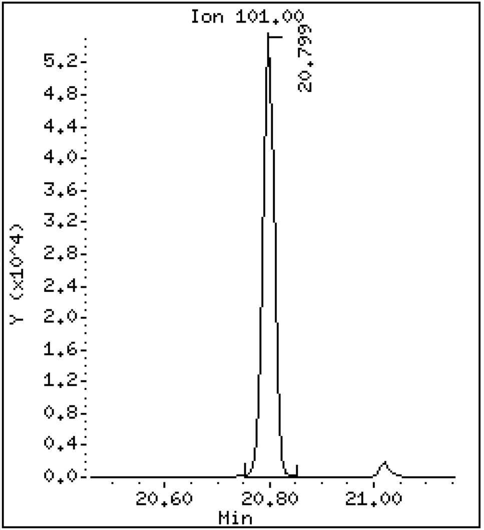

Scan 2068 (20.799 min) of NT1422123014.D

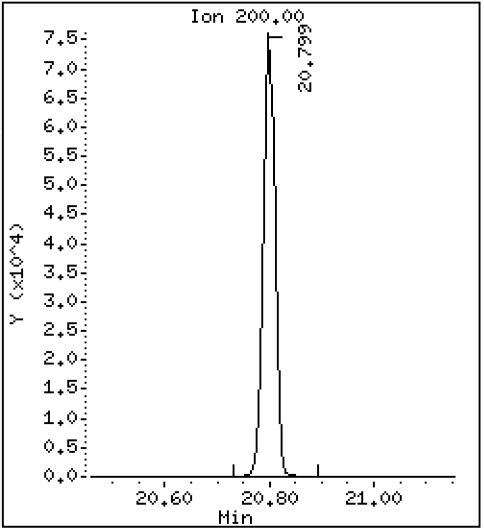

Scan 2068 (20.799 min) of NT1422123014.D (Subtracted)


64 Fluoranthene (Reference Spectrum)


Scan 2068 (20.799 min) of NT1422123014.D (% DIFFERENCE)


Ion 202.00


Ion 101.00


Ion 200.00

Data File: \\target\share\chem3\nt14.i\20221230.b\NT1422123014.D

Date : 30-DEC-2022 15:53

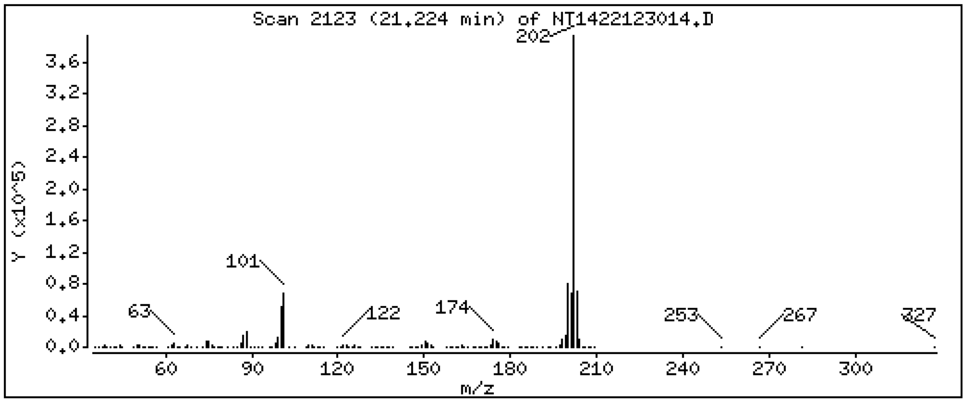
Client ID: Instrument: nt14.i

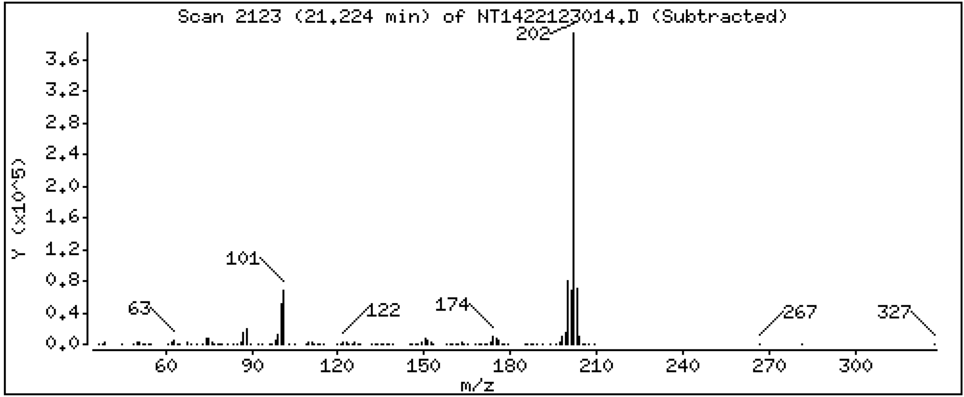
Sample Info: SKL0355-ICV2

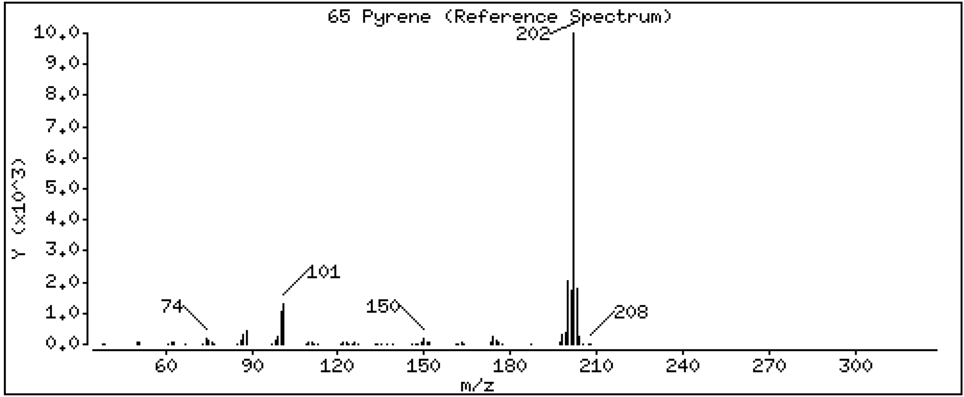
Operator: VTS

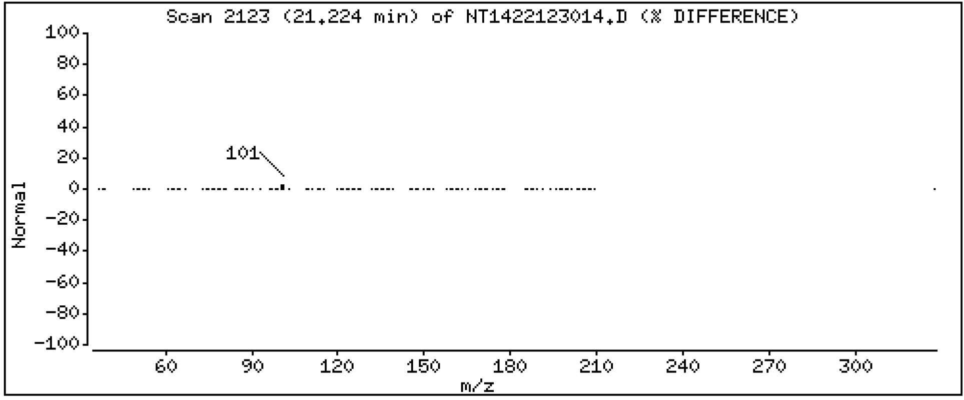
Column phase: ZB-5msi Column diameter: 0.25

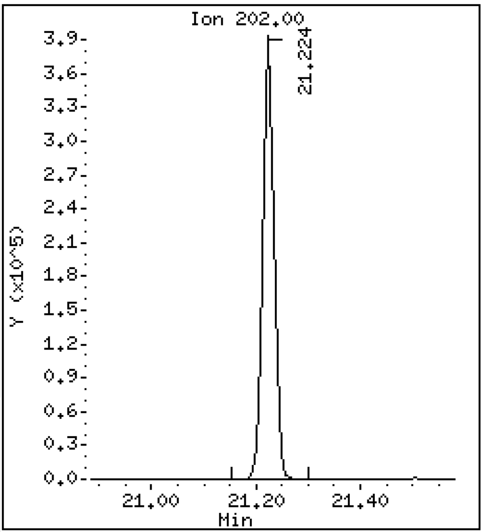
65 Pyrene Concentration: 4.842 ug/mL


Scan 2123 (21.224 min) of NT1422123014.D


Scan 2123 (21.224 min) of NT1422123014.D (Subtracted)


65 Pyrene (Reference Spectrum)


Scan 2123 (21.224 min) of NT1422123014.D (% DIFFERENCE)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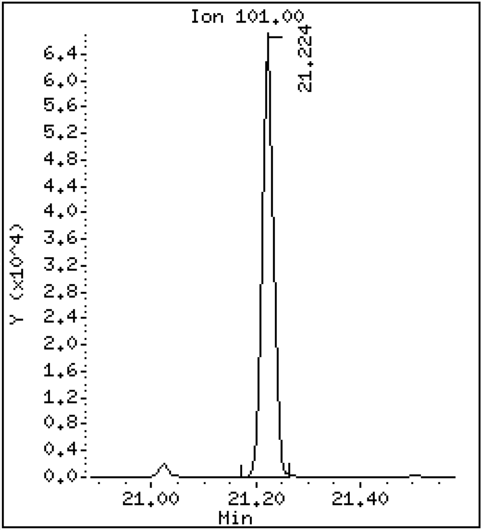
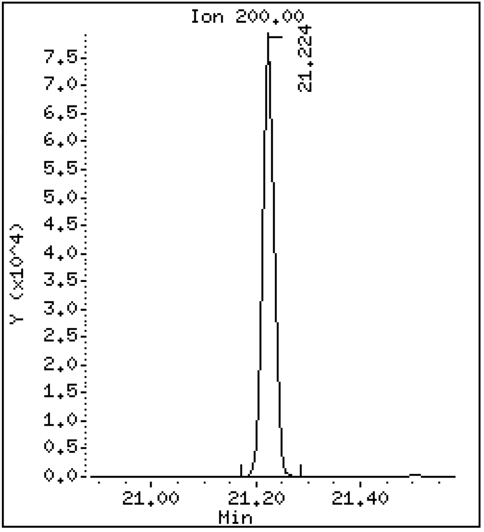

Ion 101.00


Ion 200.00

Date : 30-DEC-2022 15:53

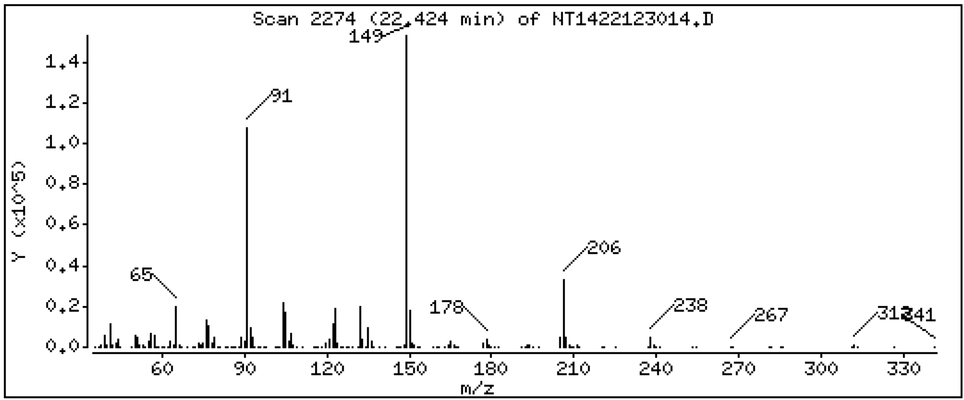
Client ID: Instrument: nt14.i

Sample Info: SKL0355-ICV2

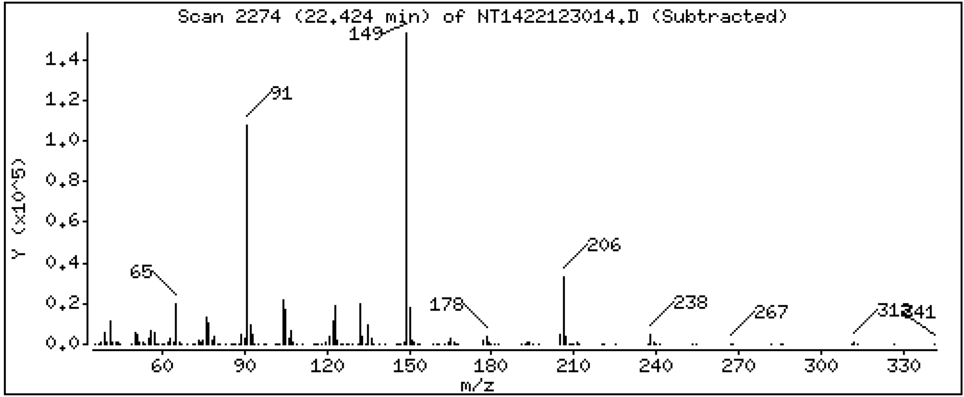
Operator: VTS

Column phase: ZB-5msi Column diameter: 0.25

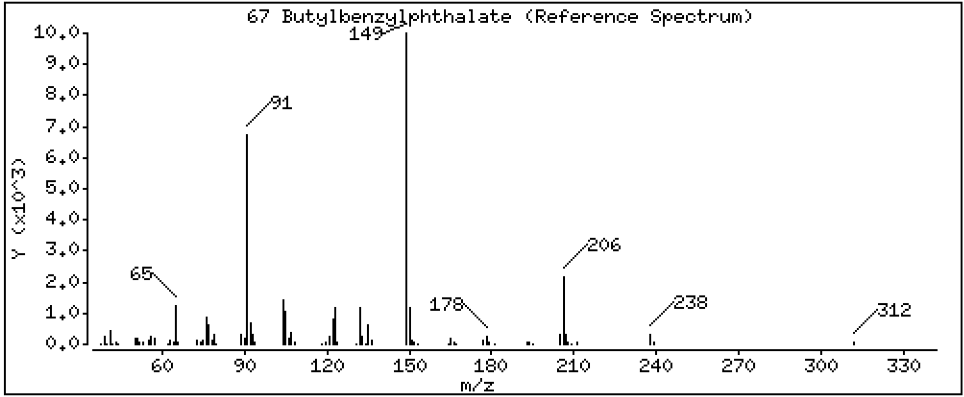
67 Butylbenzylphthalate Concentration: 4.869 ug/mL



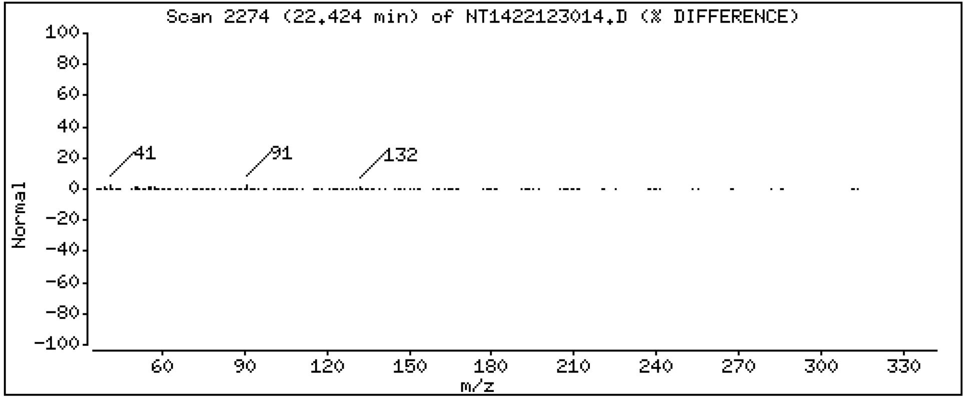
Scan 2274 (22.424 min) of NT1422123014.D



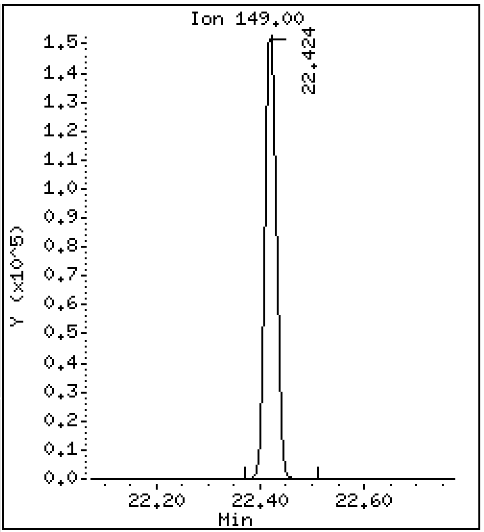
Scan 2274 (22.424 min) of NT1422123014.D (Subtracted)



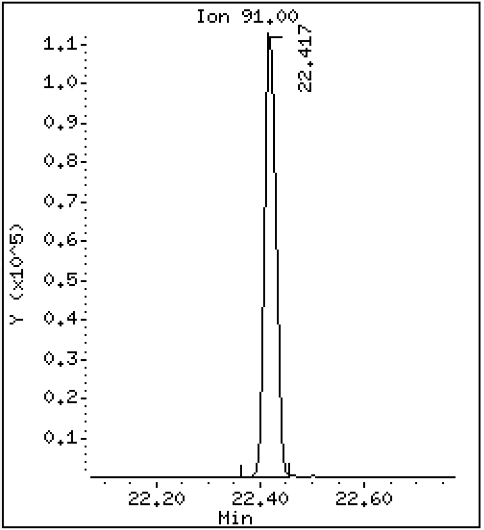
67 Butylbenzylphthalate (Reference Spectrum)



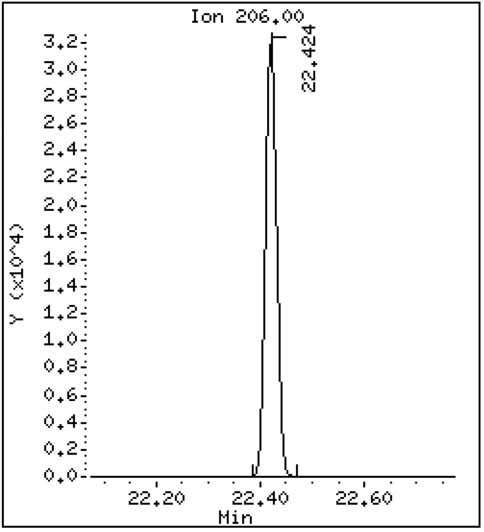
Scan 2274 (22.424 min) of NT1422123014.D (% DIFFERENCE)



Ion 149.00



Ion 91.00



Ion 206.00

Data File: \\target\share\chem3\nt14.i\20221230.b\NT1422123014.D

Date : 30-DEC-2022 15:53

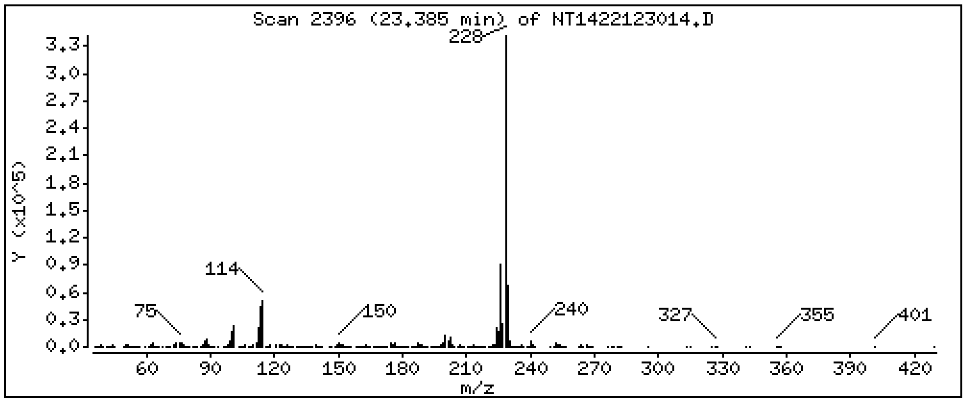
Client ID: Instrument: nt14.i

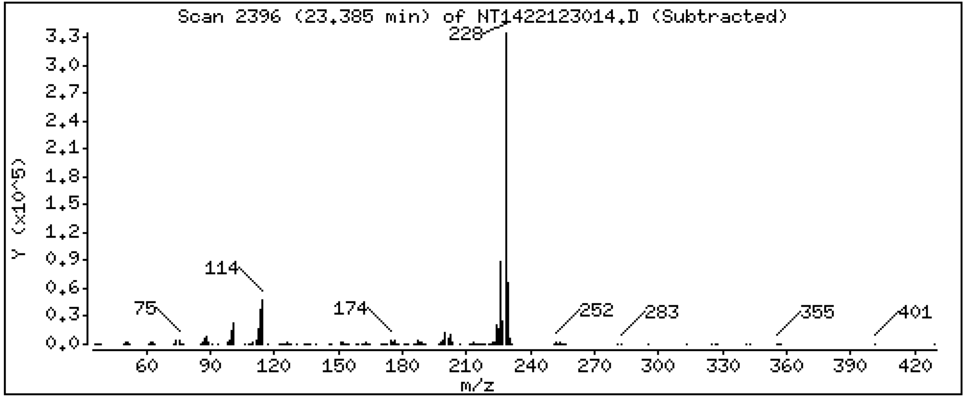
Sample Info: SKL0355-ICV2

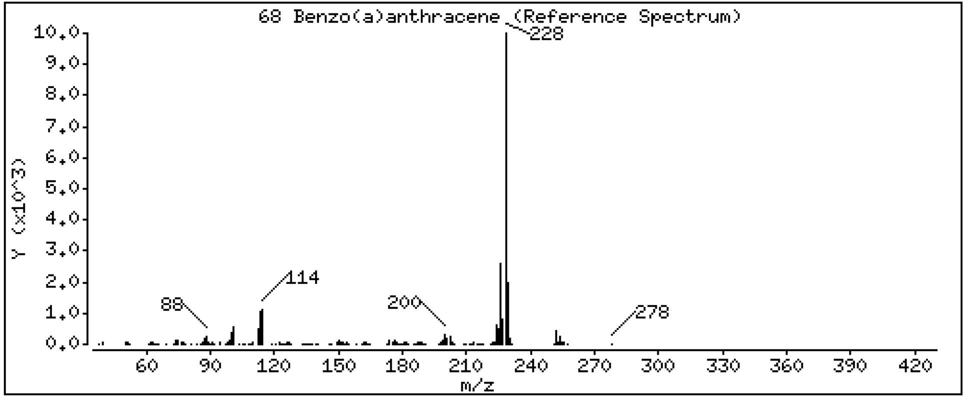
Operator: VTS

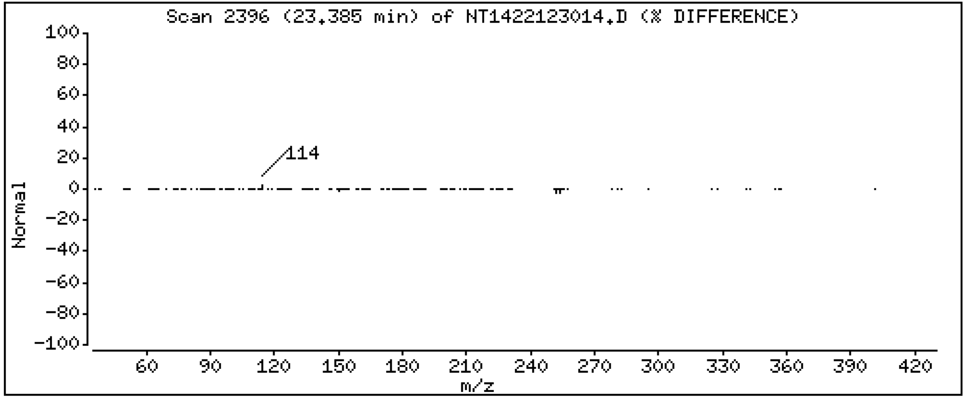
Column phase: ZB-5msi Column diameter: 0.25

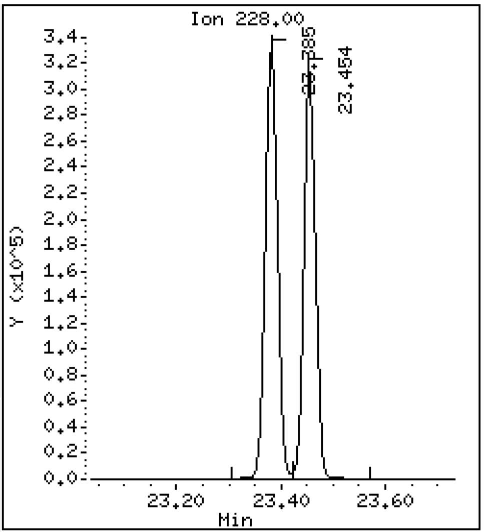
68 Benzo(a)anthracene Concentration: 4.796 ug/mL


Scan 2396 (23.385 min) of NT1422123014.D


Scan 2396 (23.385 min) of NT1422123014.D (Subtracted)


68 Benzo(a)anthracene (Reference Spectrum)


Scan 2396 (23.385 min) of NT1422123014.D (% DIFFERENCE)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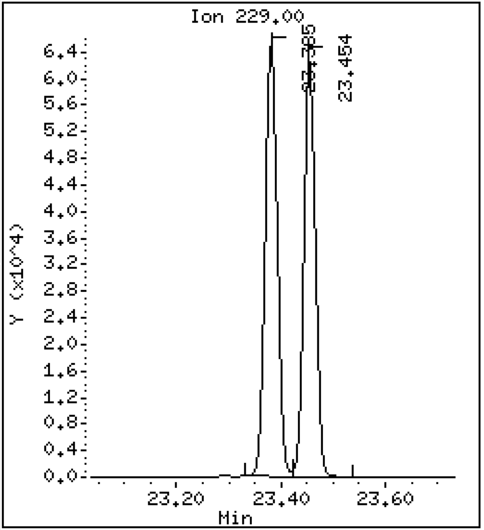
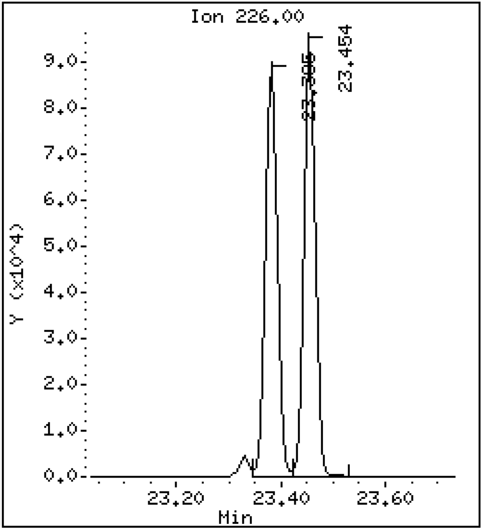

Ion 229.00


Ion 226.00

Data File: \\target\share\chem3\nt14.i\20221230.b\NT1422123014.D

Date : 30-DEC-2022 15:53

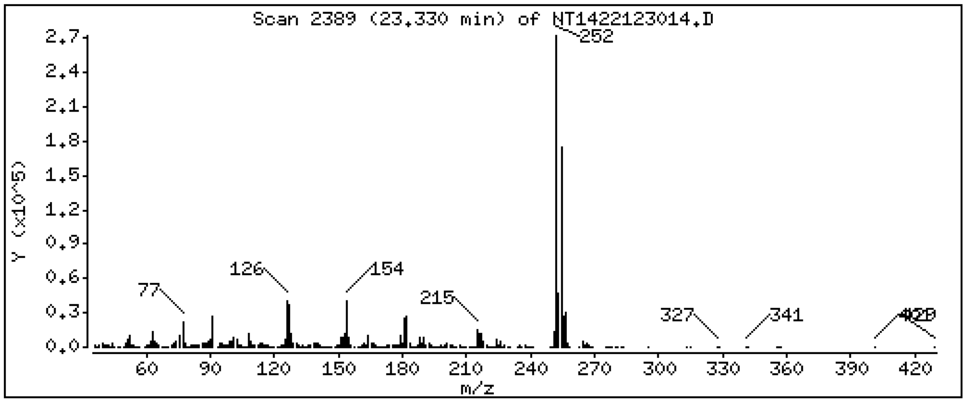
Client ID: Instrument: nt14.i

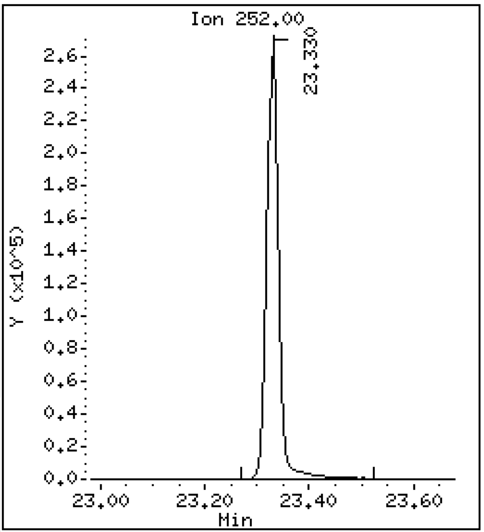
Sample Info: SKL0355-ICV2

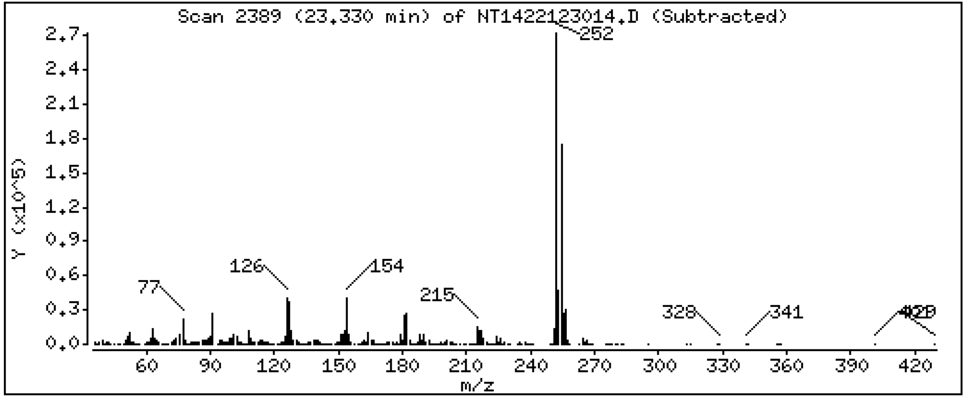
Operator: VTS

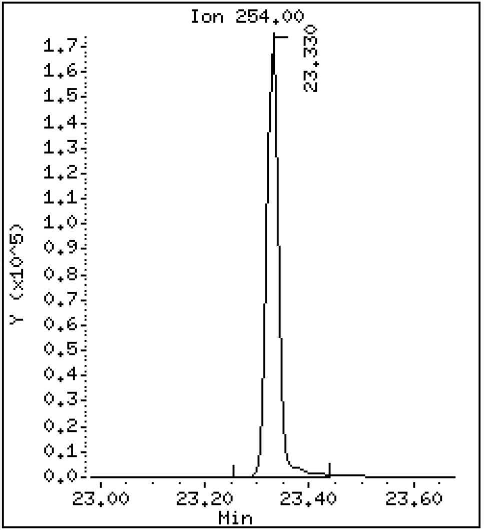
Column phase: ZB-5msi Column diameter: 0.25

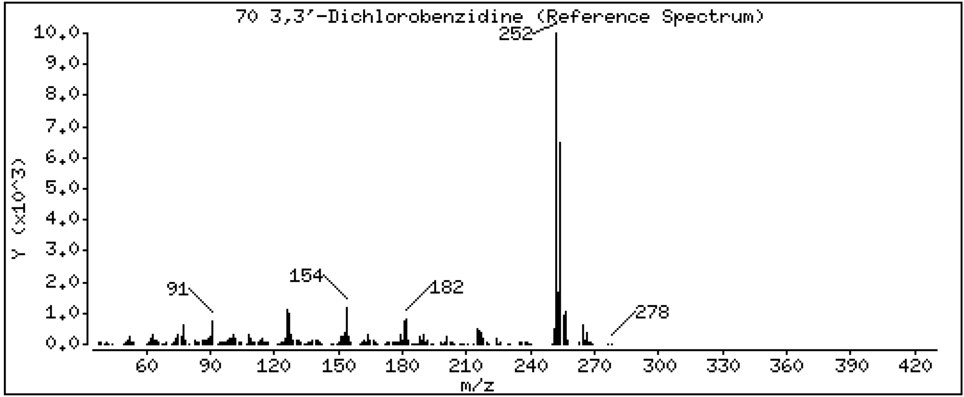
70 3,3'-Dichlorobenzidine Concentration: 12.25 ug/mL

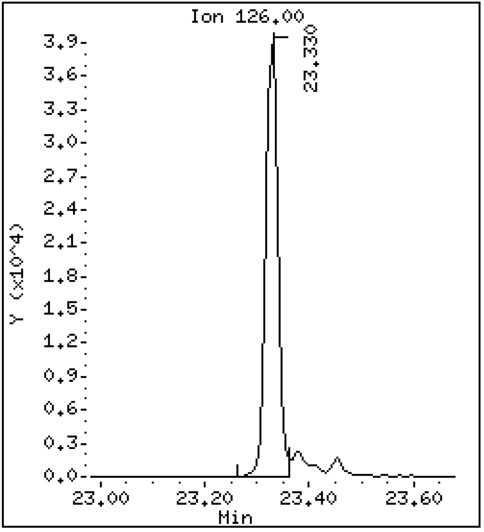


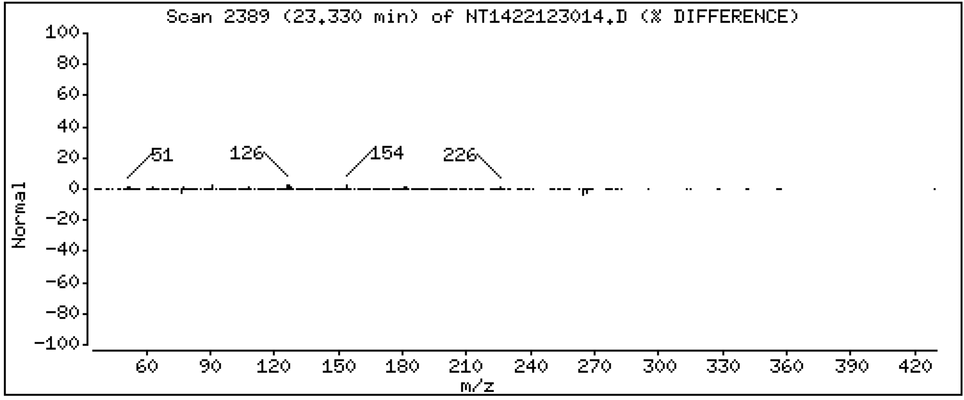












Data File: \\target\share\chem3\nt14.i\20221230.b\NT1422123014.D

Date : 30-DEC-2022 15:53

Client ID:

Instrument: nt14.i

Sample Info: SKL0355-ICV2

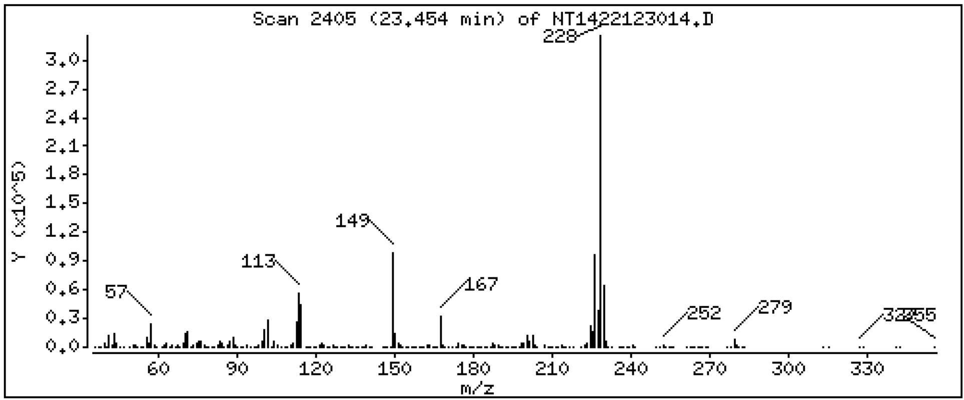
Operator: VTS

Column phase: ZB-5msi

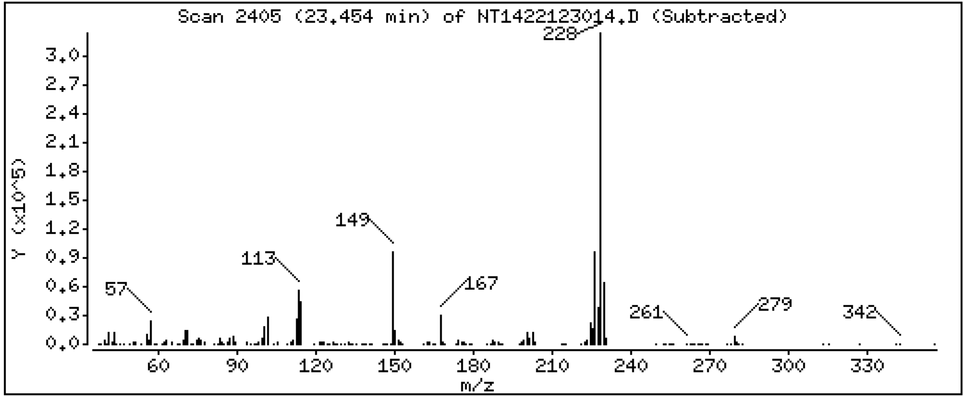
Column diameter: 0.25

71 Chrysene

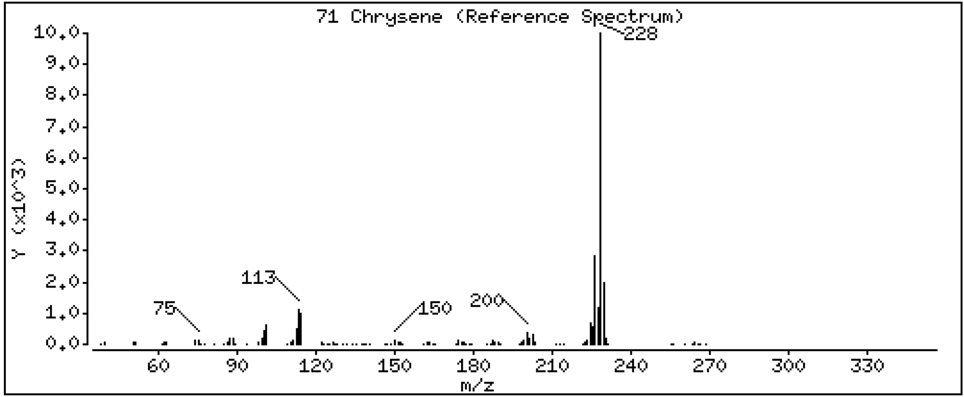
Concentration: 4.690 ug/mL



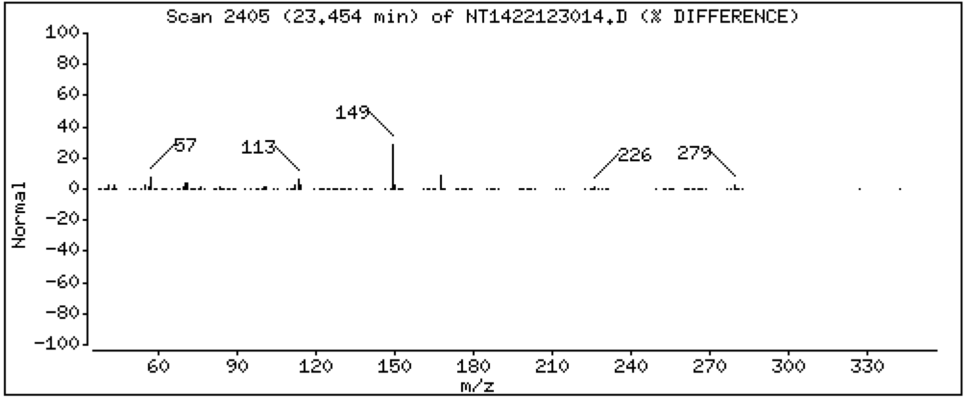
Scan 2405 (23.454 min) of NT1422123014.D



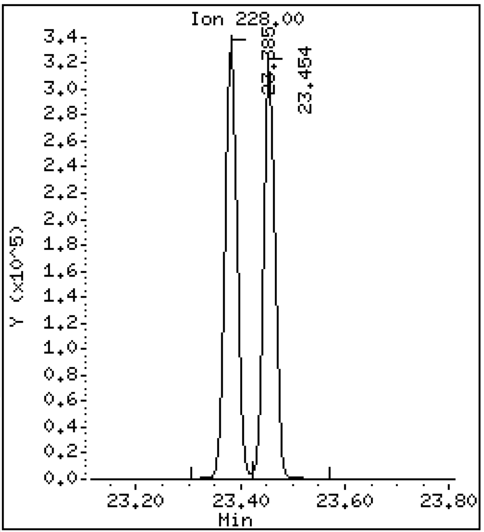
Scan 2405 (23.454 min) of NT1422123014.D (Subtracted)



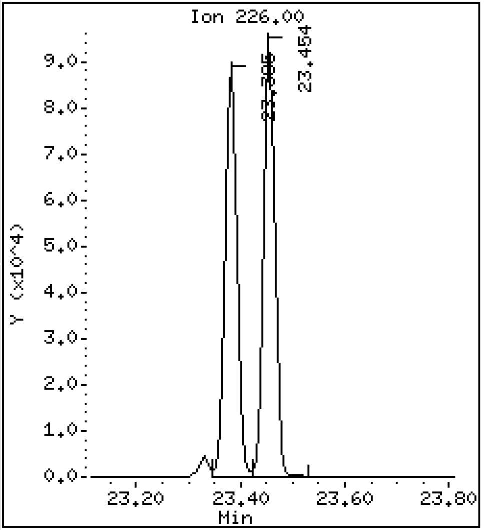
71 Chrysene (Reference Spectrum)



Scan 2405 (23.454 min) of NT1422123014.D (% DIFFERENCE)



Ion 228.00



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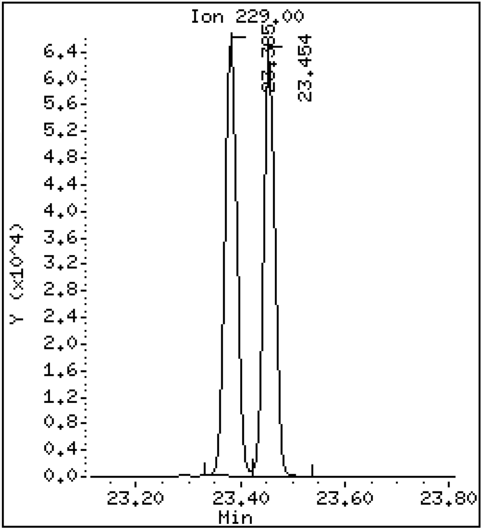


Ion 229.00

Date : 30-DEC-2022 15:53

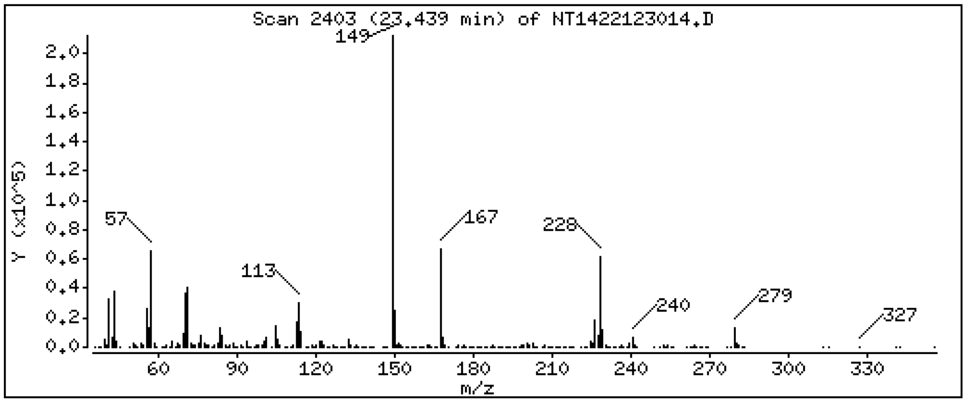
Client ID: Instrument: nt14.i

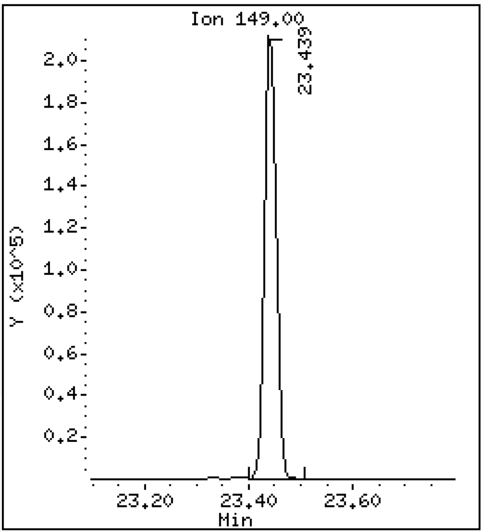
Sample Info: SKL0355-ICV2

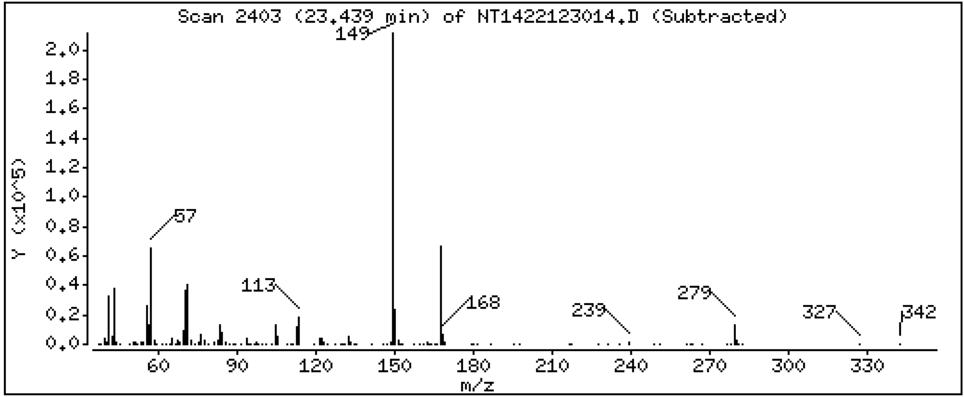
Operator: VTS

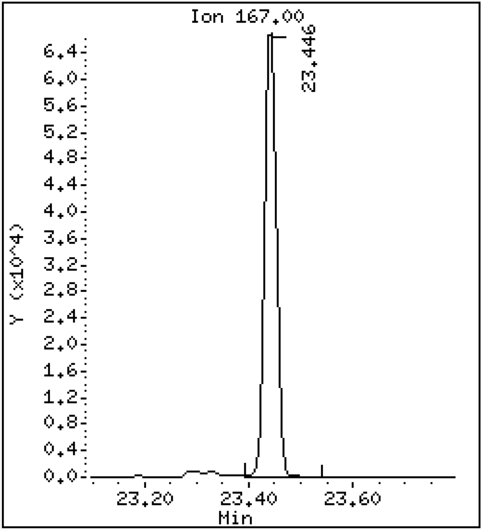
Column phase: ZB-5msi Column diameter: 0.25

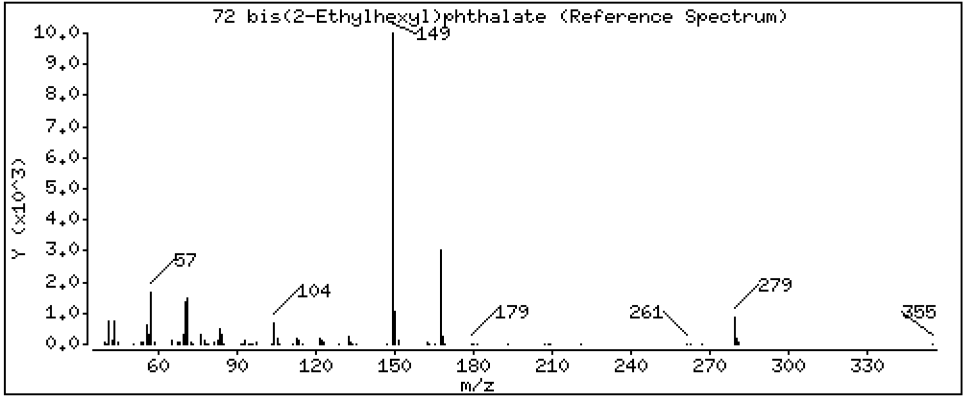
72 bis(2-Ethylhexyl)phthalate Concentration: 5.469 ug/mL

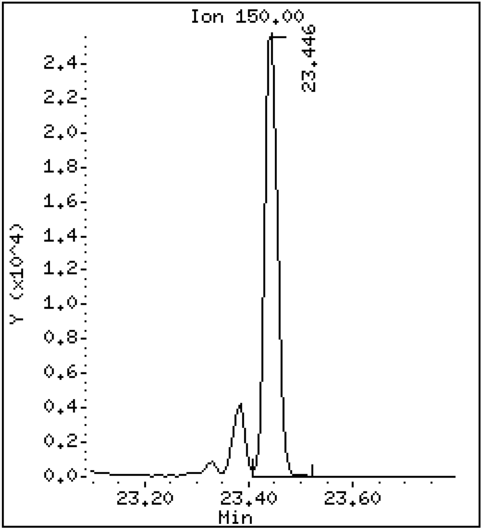


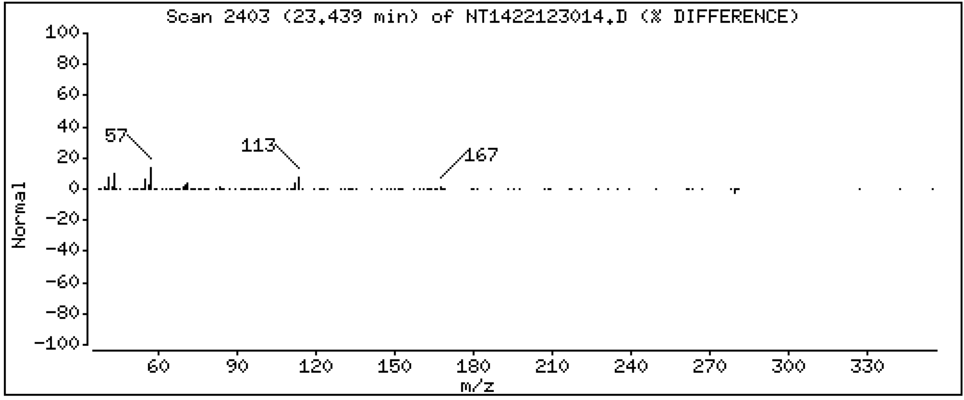












Data File: \\target\share\chem3\nt14.i\20221230.b\NT1422123014.D

Date : 30-DEC-2022 15:53

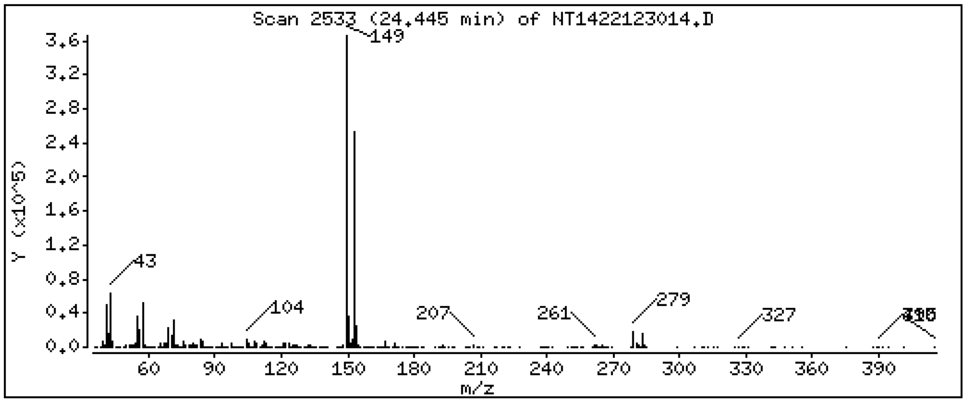
Client ID: Instrument: nt14.i

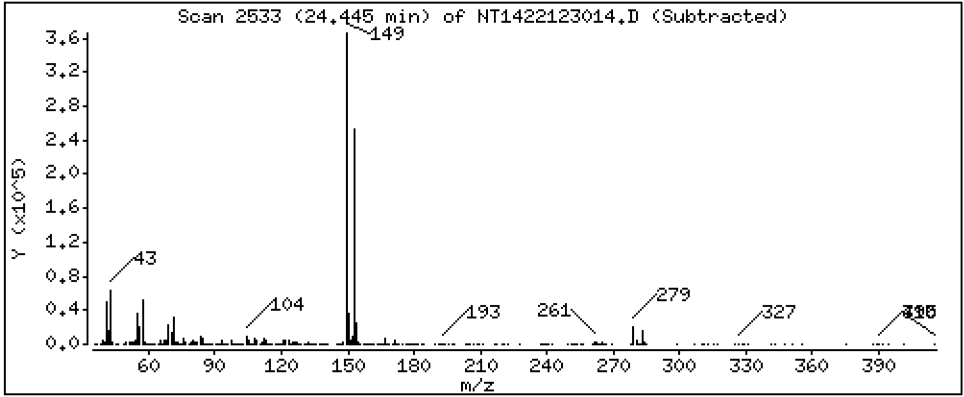
Sample Info: SKL0355-ICV2

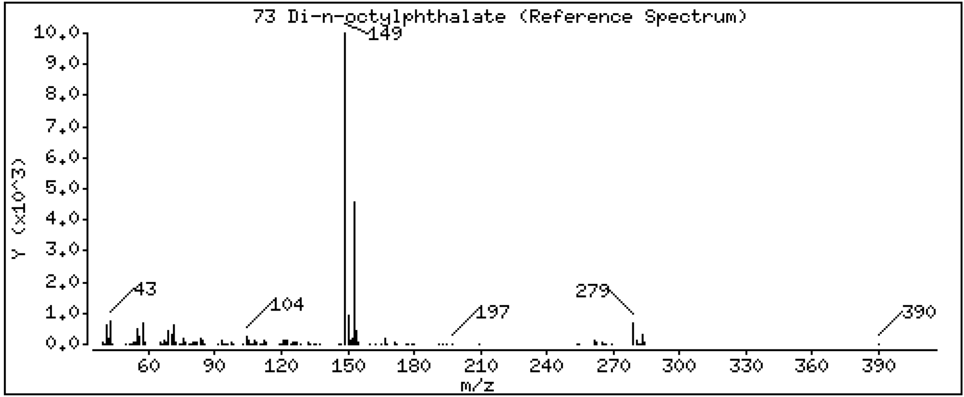
Operator: VTS

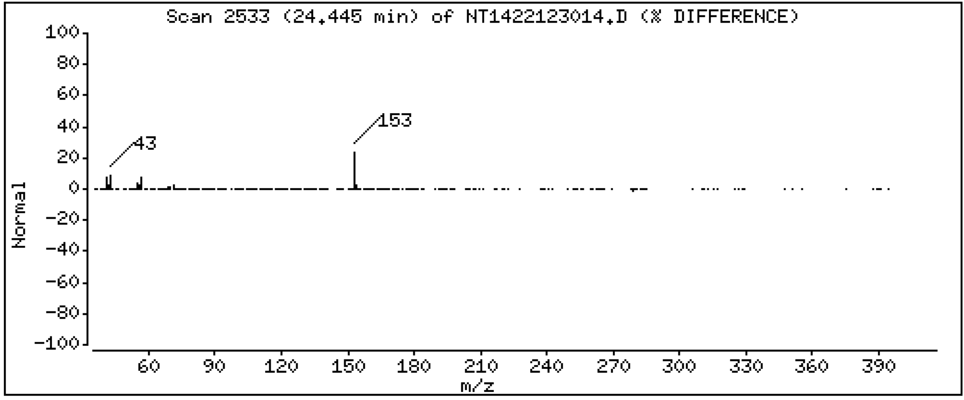
Column phase: ZB-5msi Column diameter: 0.25

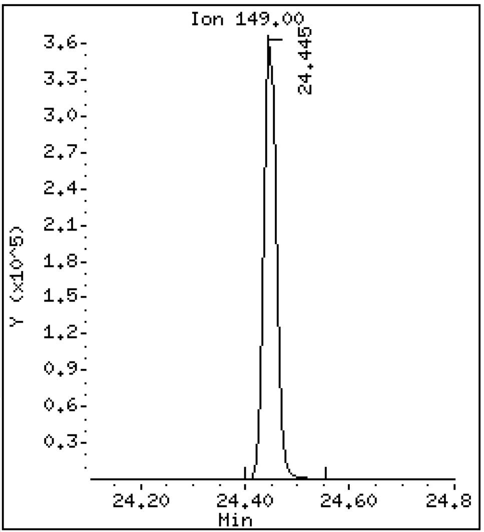
73 Di-n-octylphthalate Concentration: 4.541 ug/mL

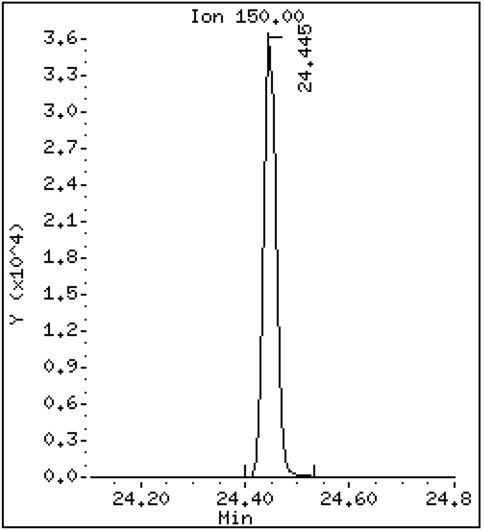

Scan 2533 (24.445 min) of NT1422123014.D


Scan 2533 (24.445 min) of NT1422123014.D (Subtracted)


73 Di-n-octylphthalate (Reference Spectrum)


Scan 2533 (24.445 min) of NT1422123014.D (% DIFFERENCE)


Ion 149.00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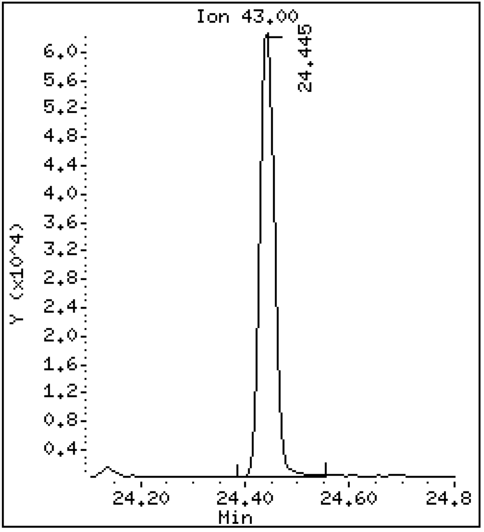
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Date : 30-DEC-2022 15:53

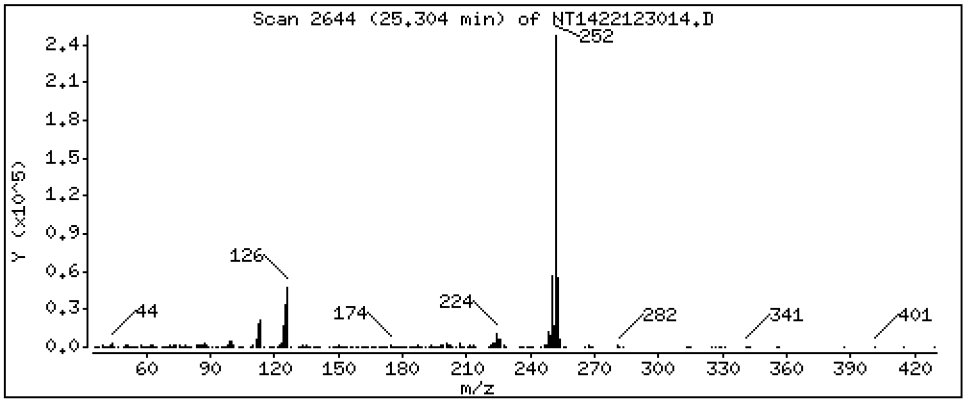
Client ID: Instrument: nt14.i

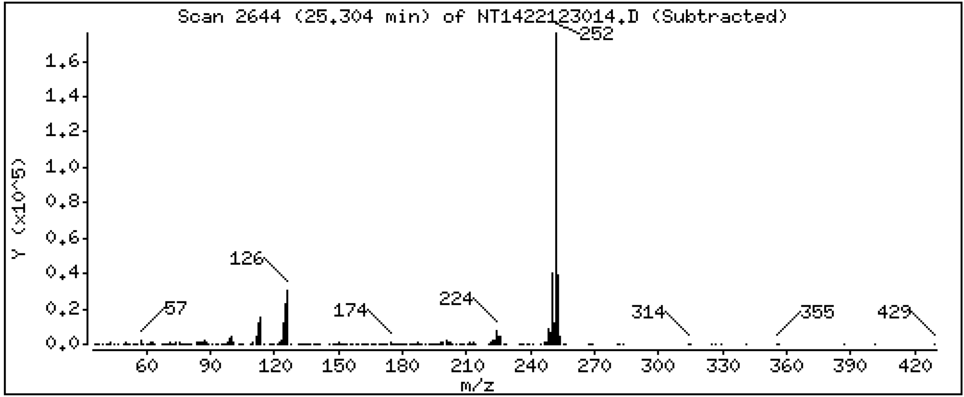
Sample Info: SKL0355-ICV2

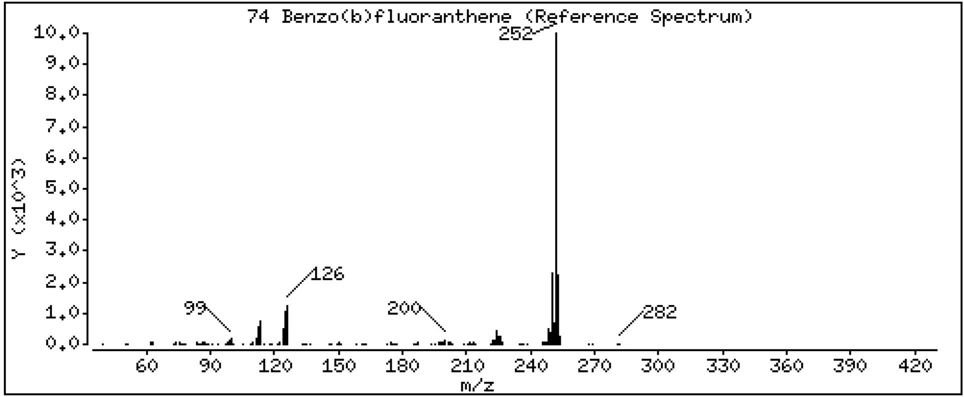
Operator: VTS

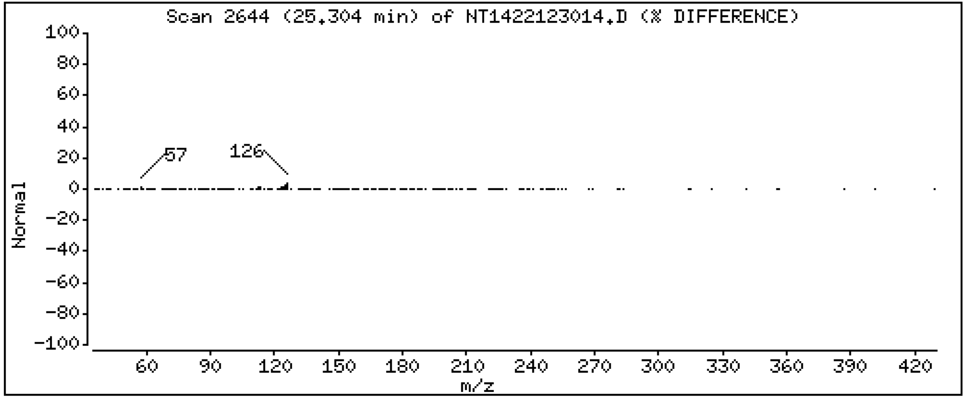
Column phase: ZB-5msi Column diameter: 0.25

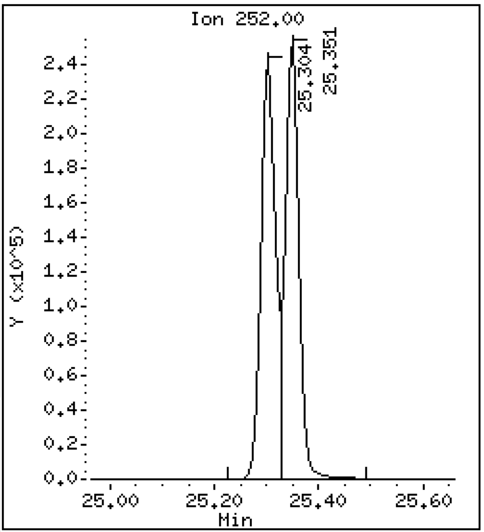
74 Benzo(b)fluoranthene Concentration: 4.684 ug/mL

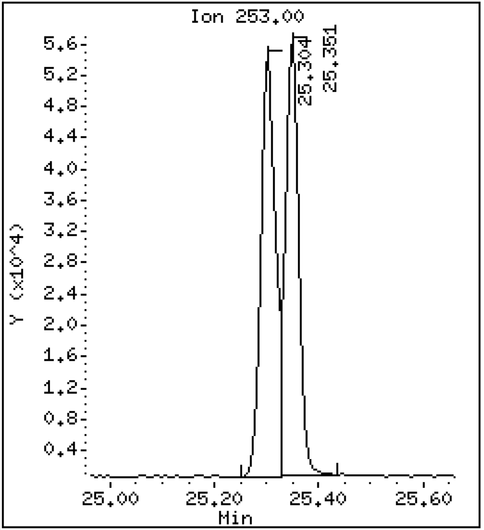


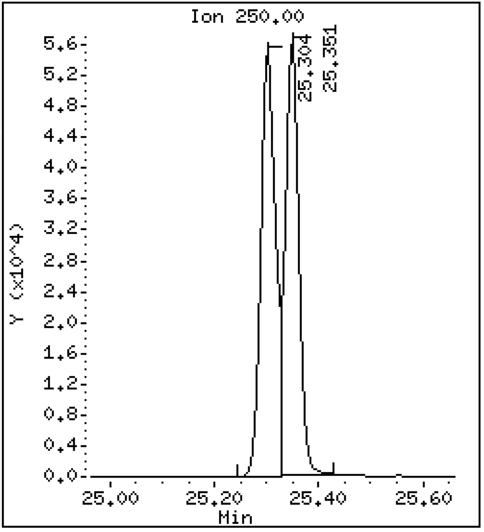












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Date : 30-DEC-2022 15:53

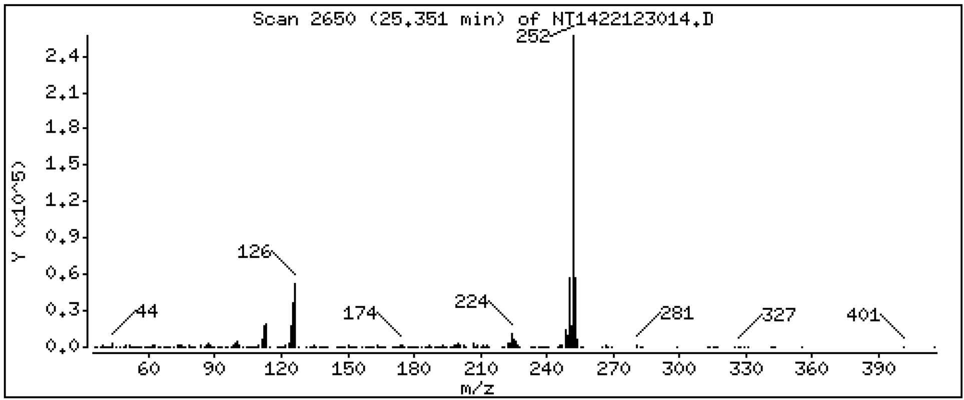
Client ID: Instrument: nt14.i

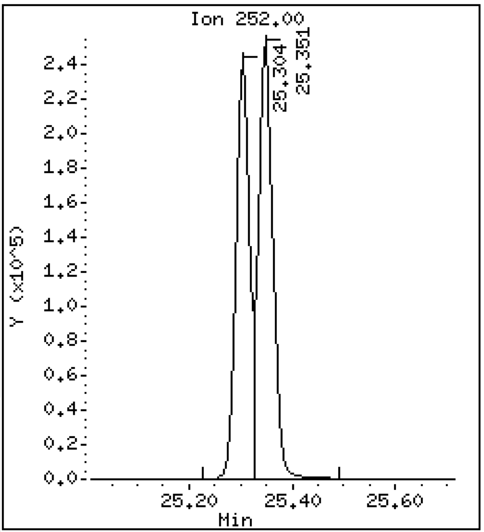
Sample Info: SKL0355-ICV2

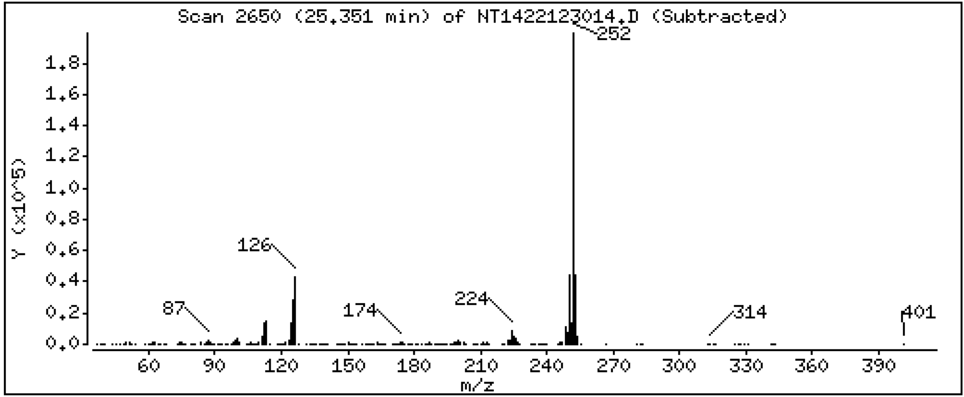
Operator: VTS

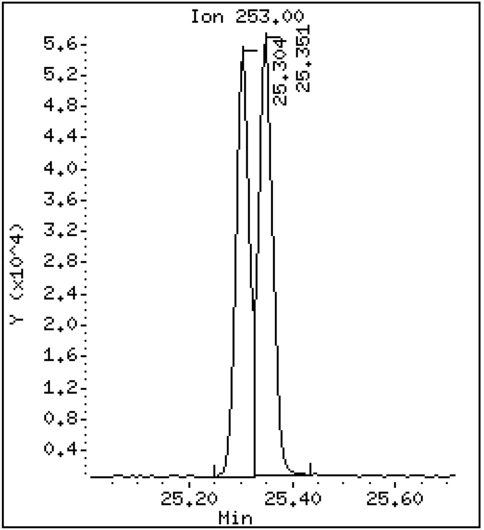
Column phase: ZB-5msi Column diameter: 0.25

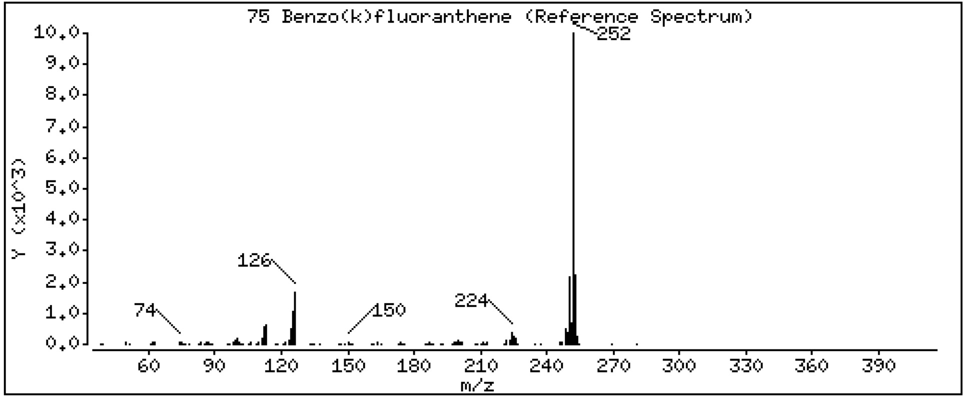
75 Benzo(k)fluoranthene Concentration: 4.733 ug/mL

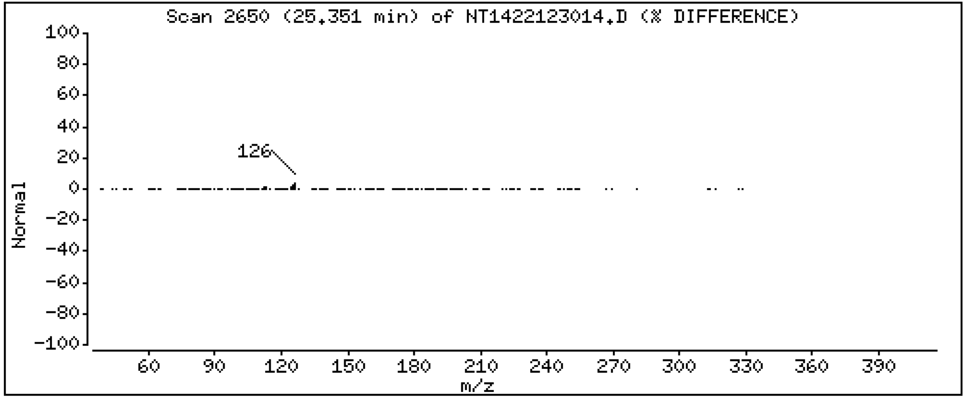


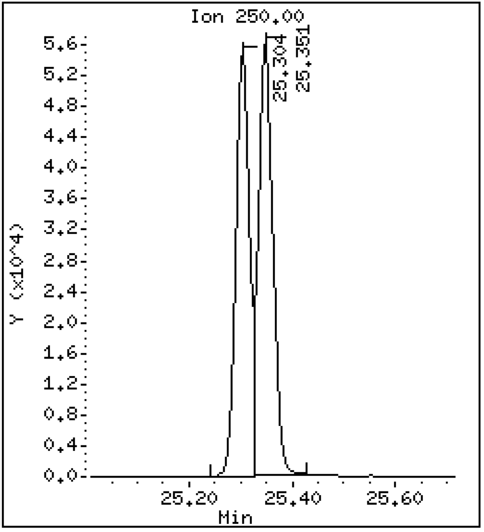












Date : 30-DEC-2022 15:53

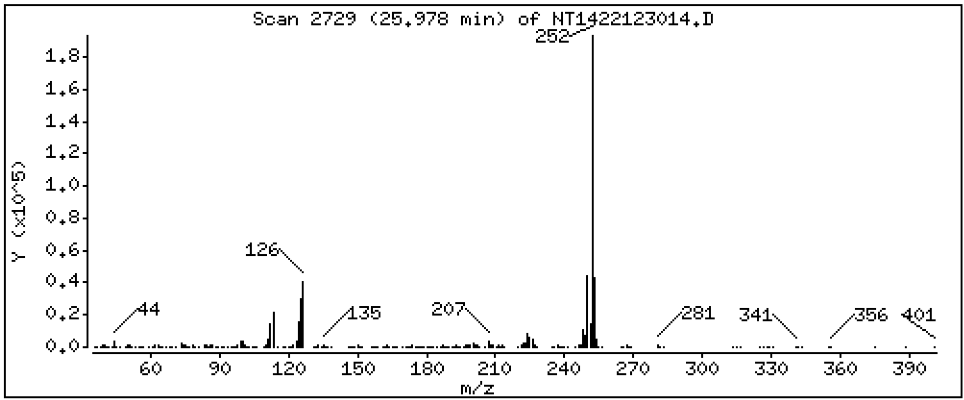
Client ID: Instrument: nt14.i

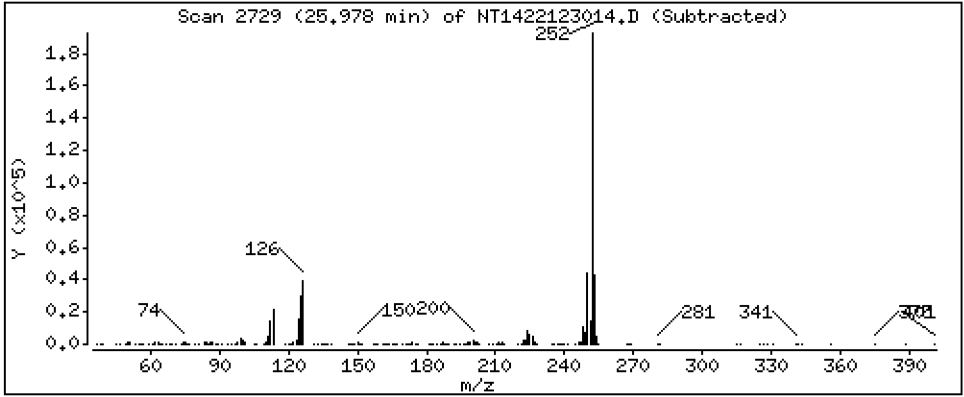
Sample Info: SKL0355-ICV2

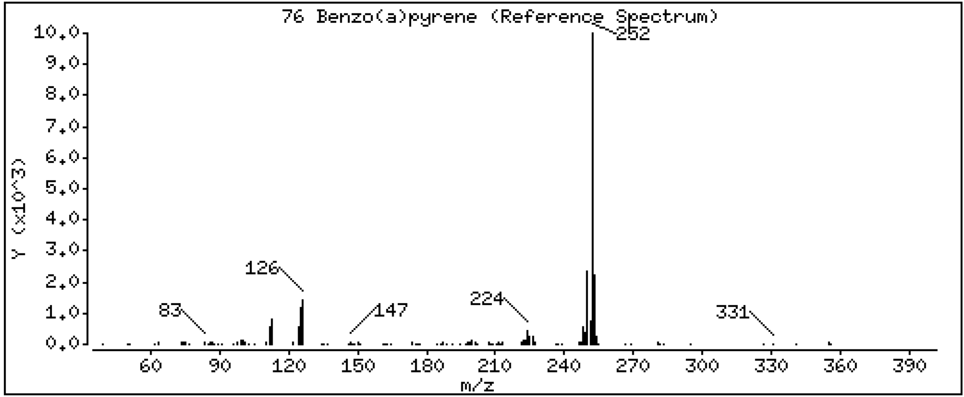
Operator: VTS

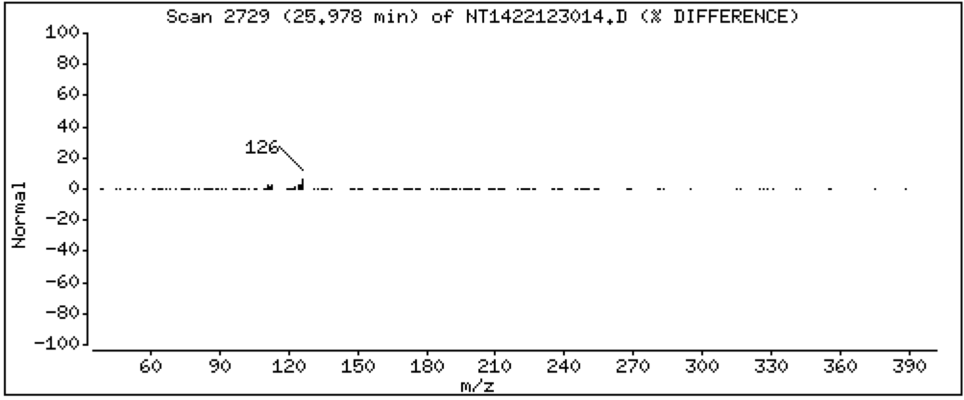
Column phase: ZB-5msi Column diameter: 0.25

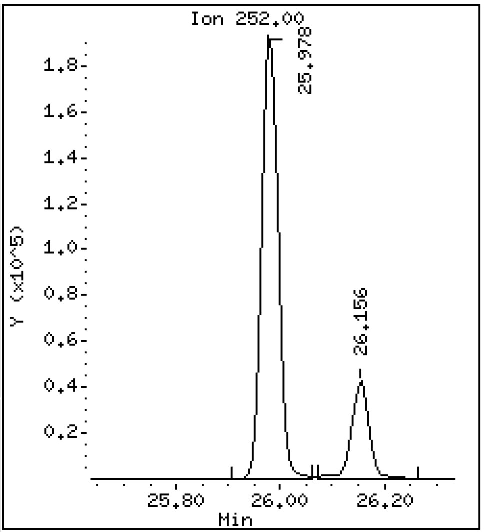
76 Benzo(a)pyrene Concentration: 4.820 ug/mL

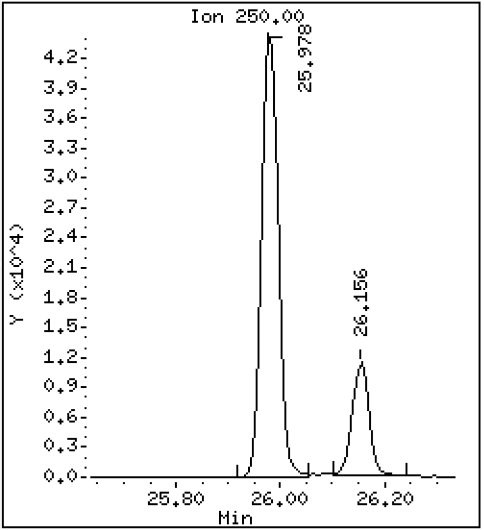


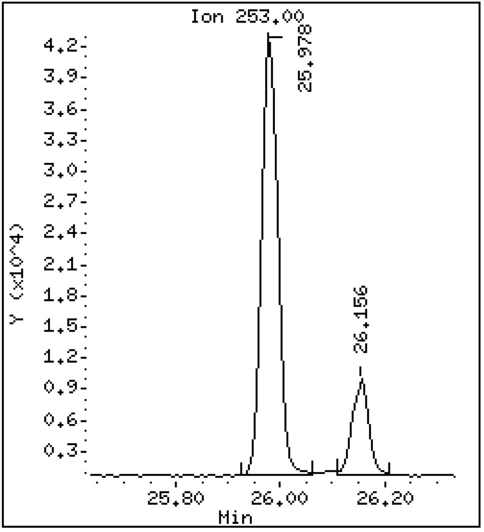












Data File: \\target\share\chem3\nt14.i\20221230.b\NT1422123014.D

Date : 30-DEC-2022 15:53

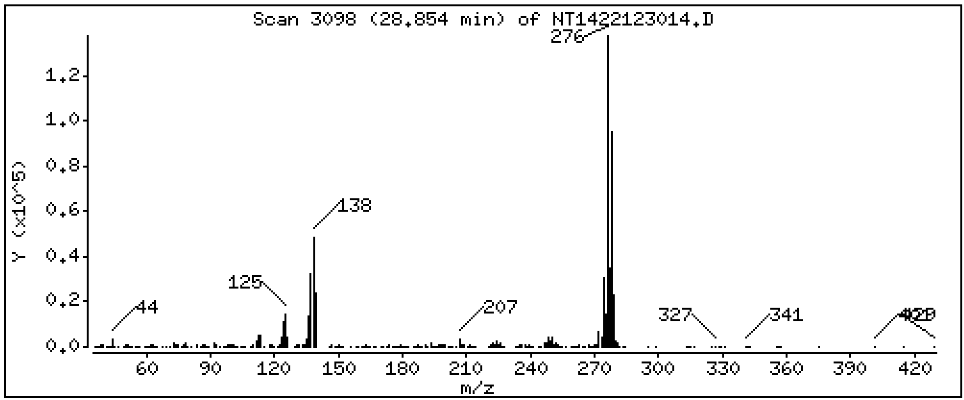
Client ID: Instrument: nt14.i

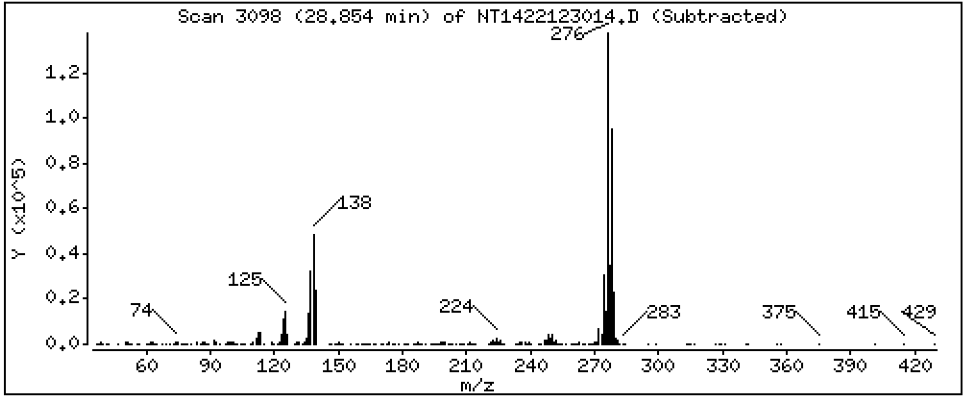
Sample Info: SKL0355-ICV2

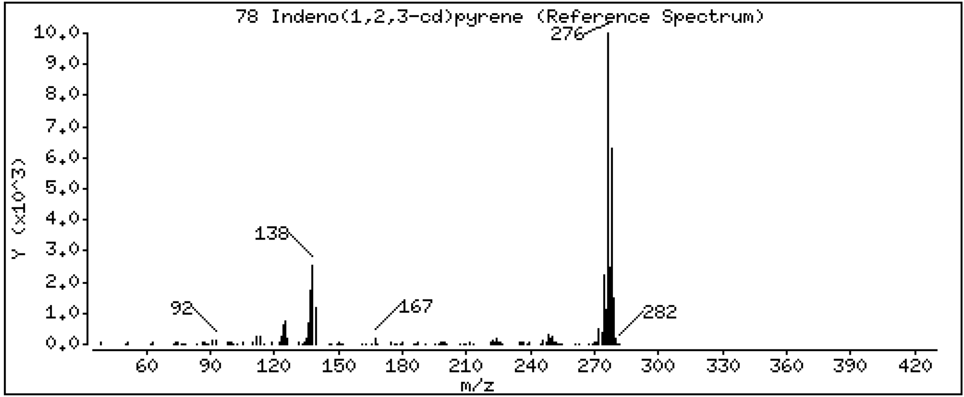
Operator: VTS

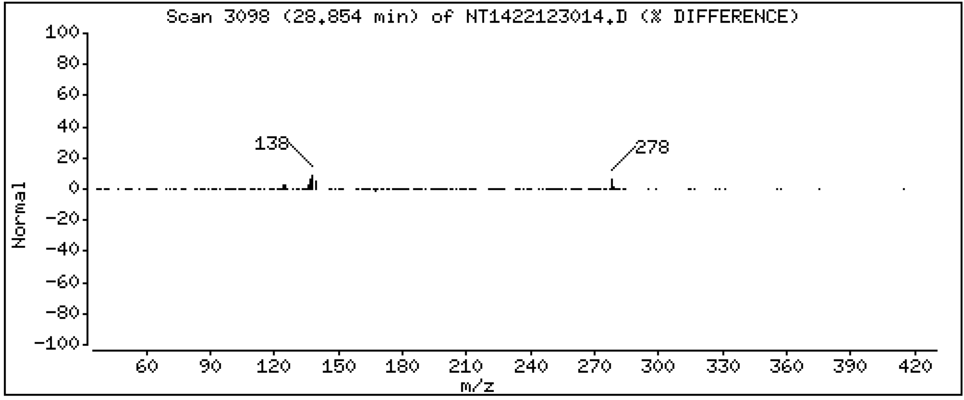
Column phase: ZB-5msi Column diameter: 0.25

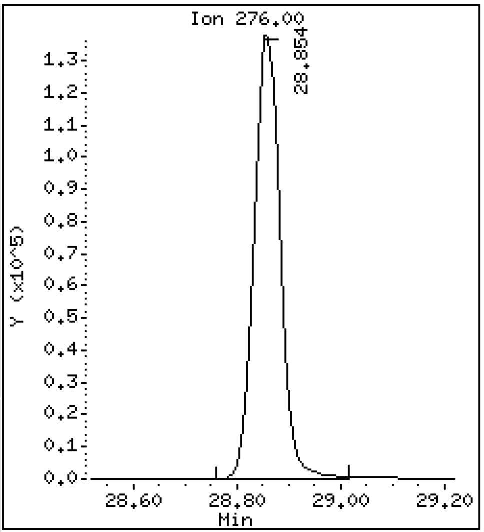
78 Indeno(1,2,3-cd)pyrene Concentration: 4.935 ug/mL

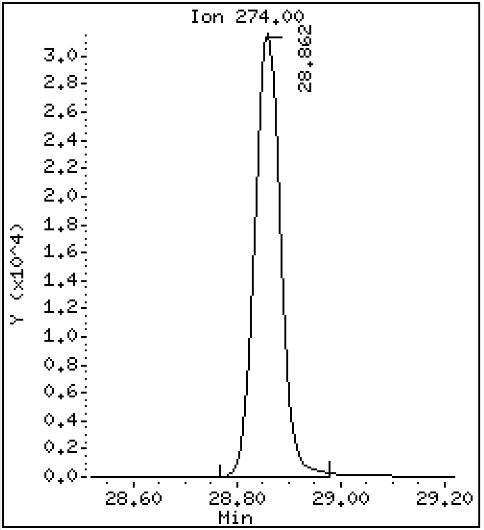


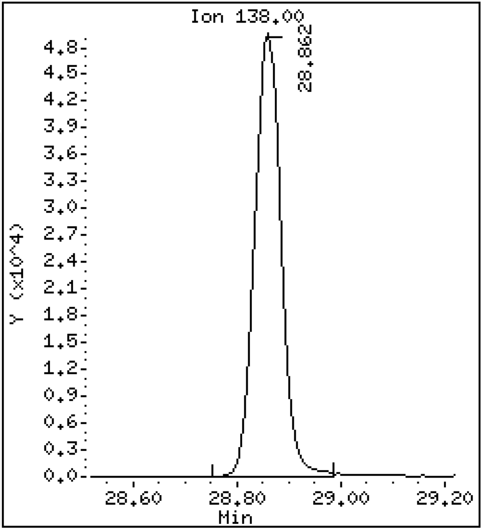












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Date : 30-DEC-2022 15:53

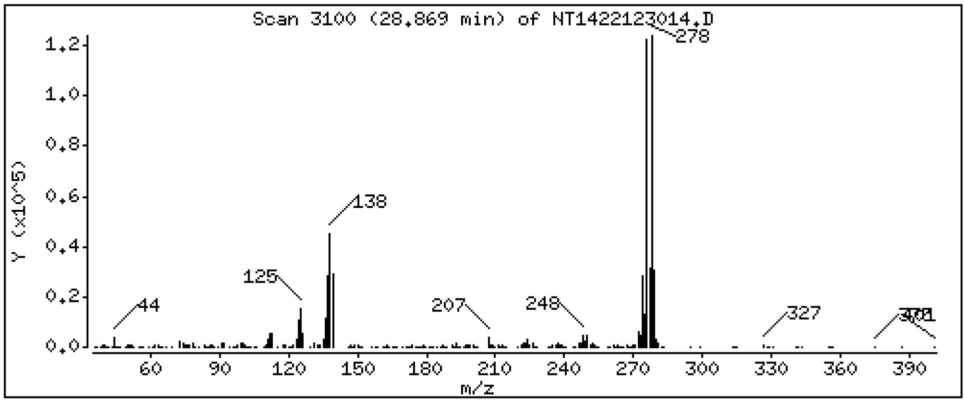
Client ID: Instrument: nt14.i

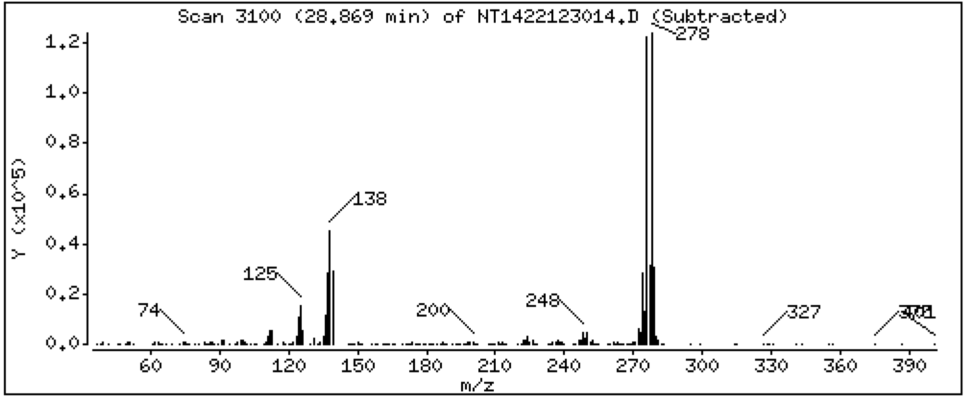
Sample Info: SKL0355-ICV2

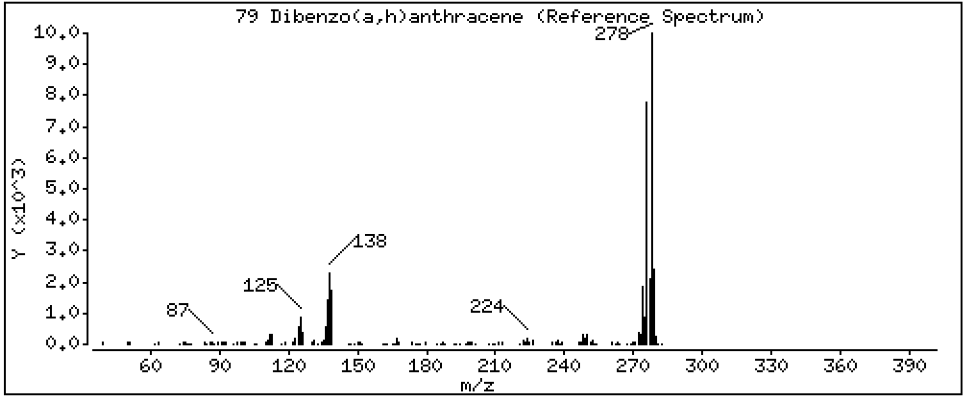
Operator: VTS

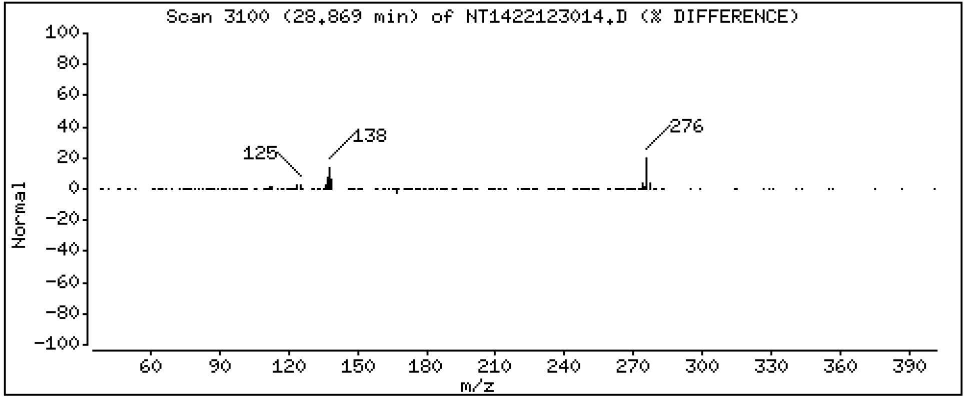
Column phase: ZB-5msi Column diameter: 0.25

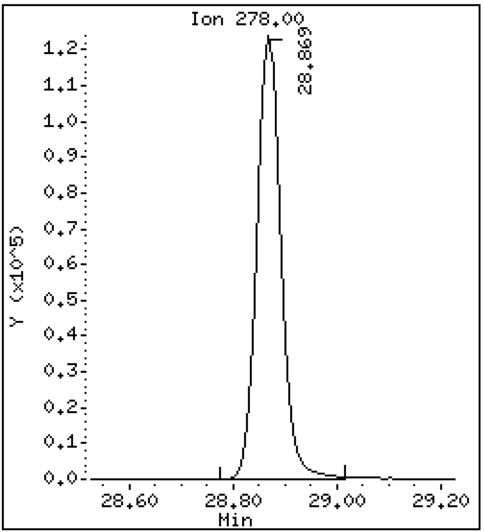
79 Dibenzo(a,h)anthracene Concentration: 4.786 ug/mL

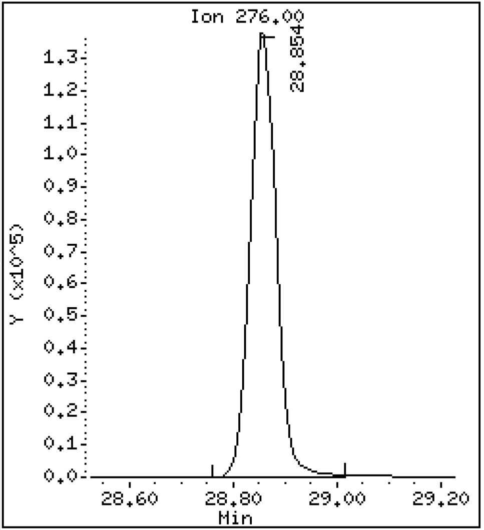


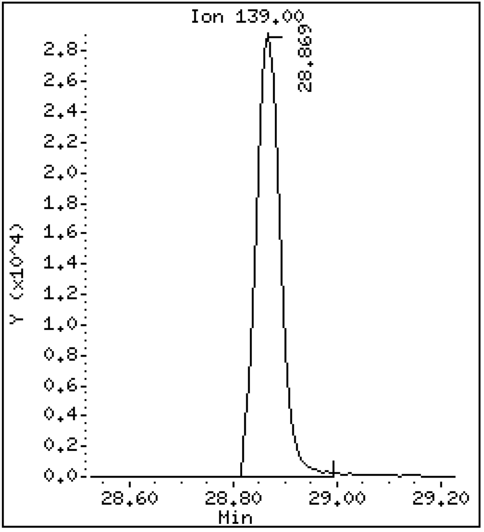












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Date : 30-DEC-2022 15:53

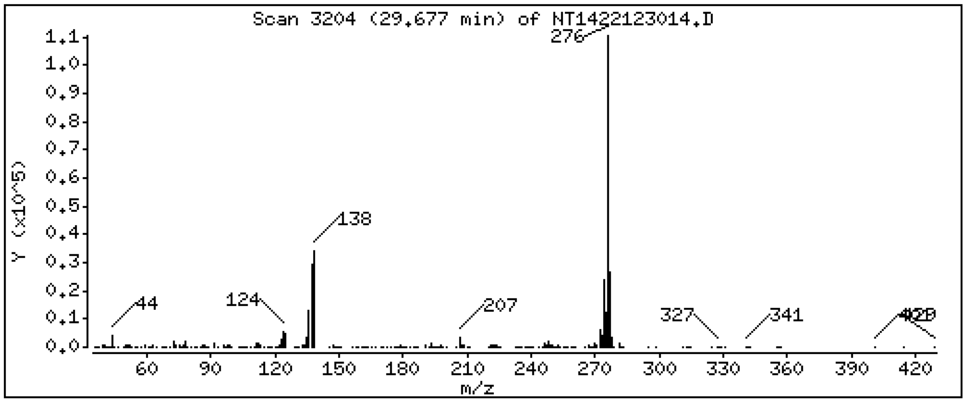
Client ID: Instrument: nt14.i

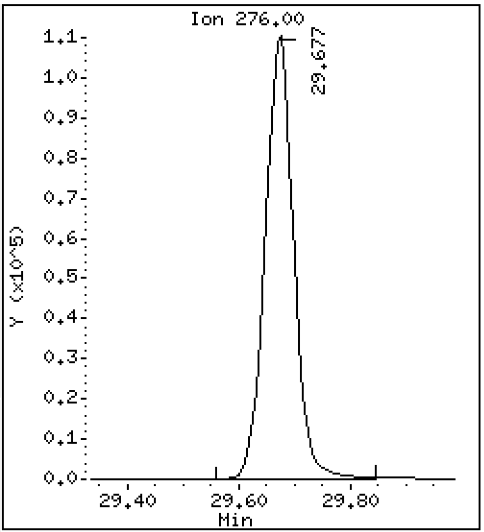
Sample Info: SKL0355-ICV2

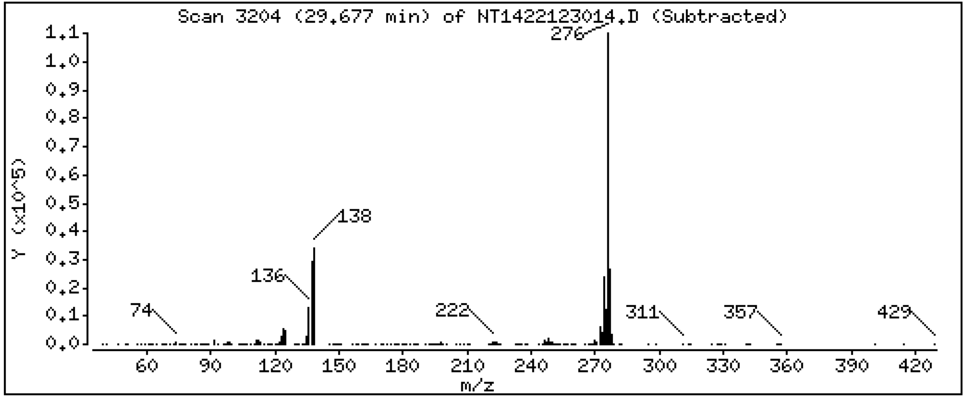
Operator: VTS

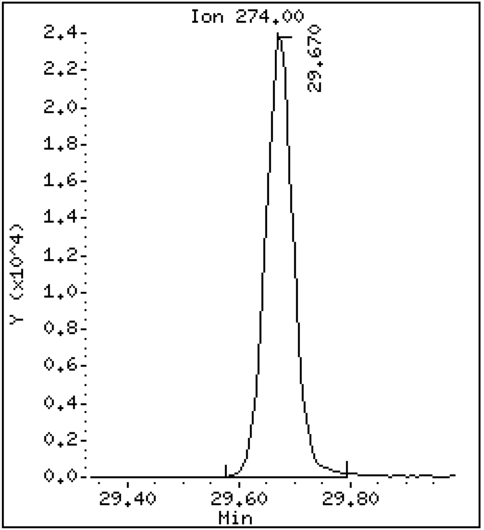
Column phase: ZB-5msi Column diameter: 0.25

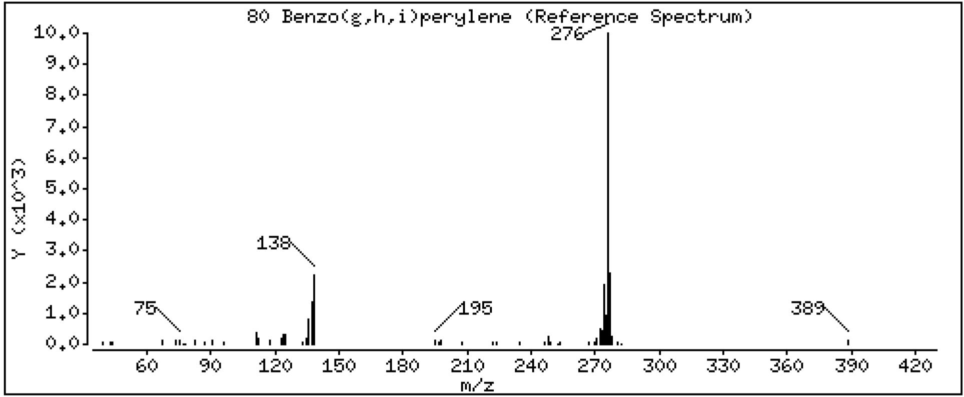
80 Benzo(g,h,i)perylene Concentration: 4.899 ug/mL

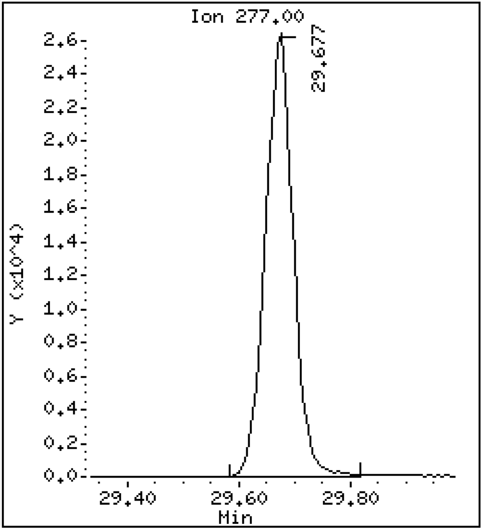


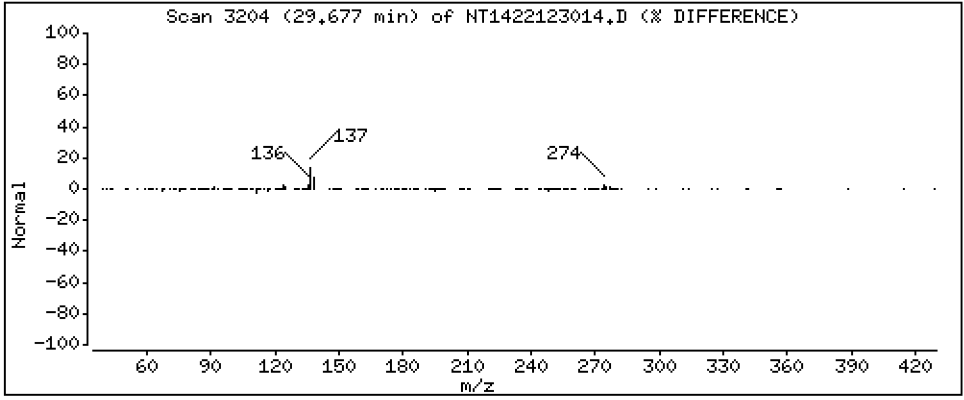












Data File: \\target\share\chem3\nt14.i\20221230.b\NT1422123014.D

Date : 30-DEC-2022 15:53

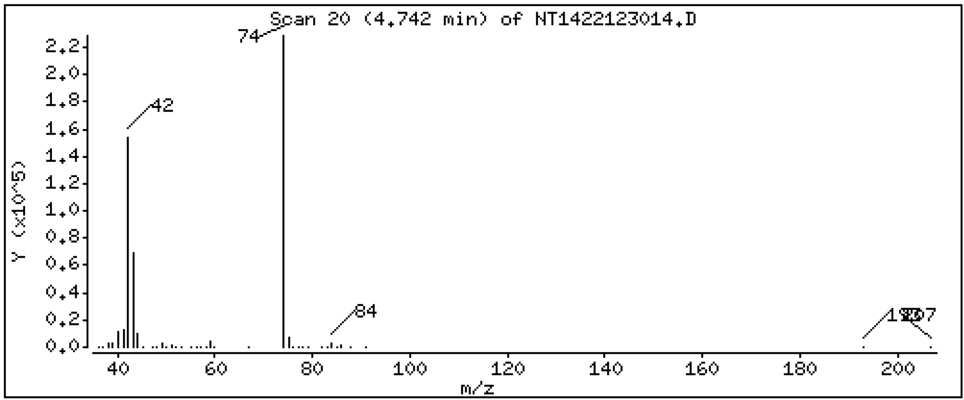
Client ID: Instrument: nt14.i

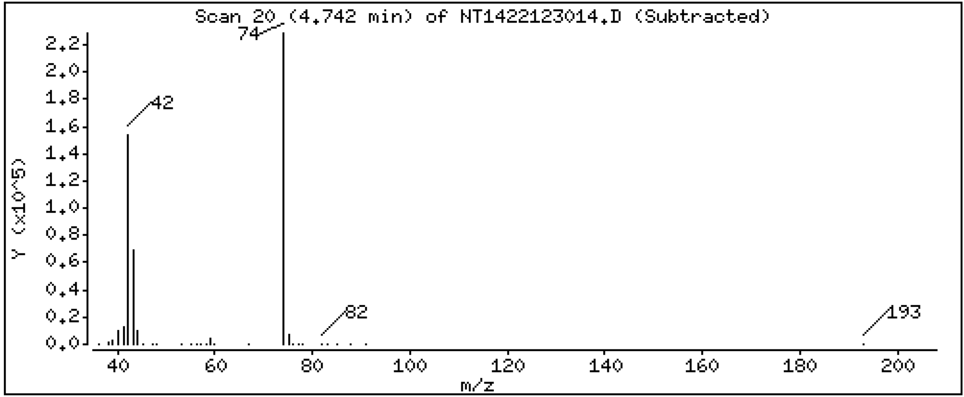
Sample Info: SKL0355-ICV2

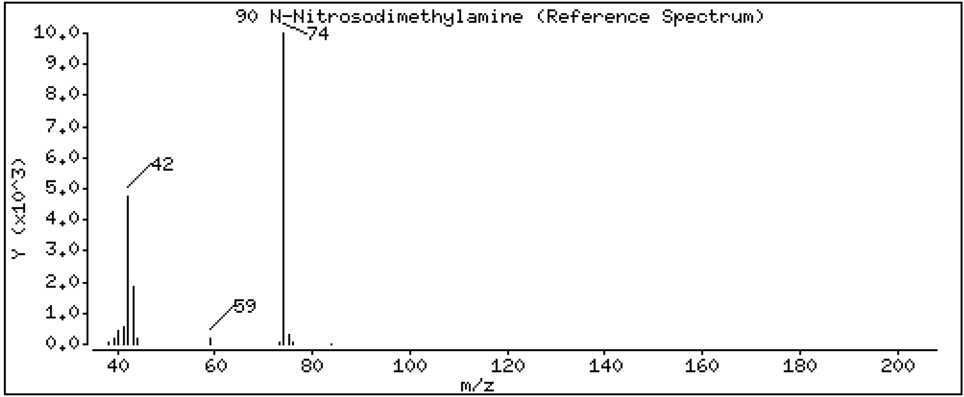
Operator: VTS

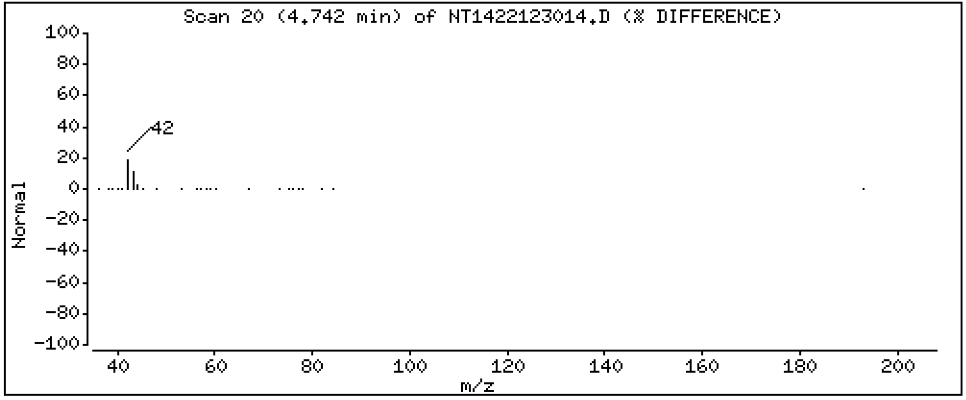
Column phase: ZB-5msi Column diameter: 0.25

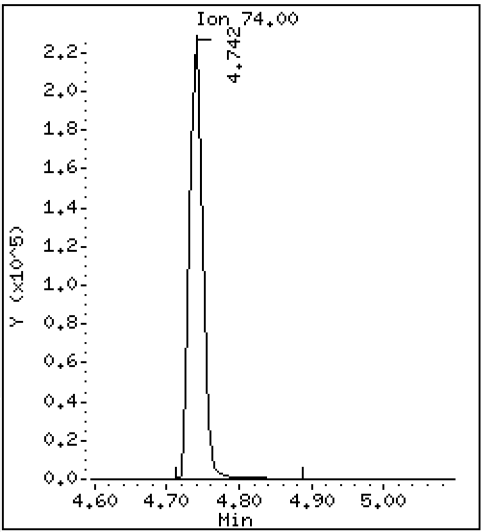
90 N-Nitrosodimethylamine Concentration: 9.944 ug/mL

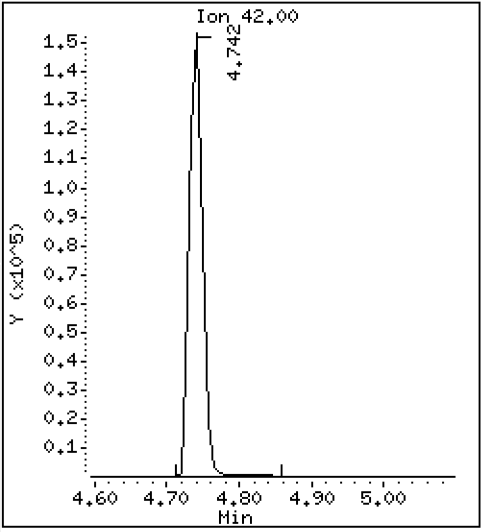

Scan 20 (4.742 min) of NT1422123014.D


Scan 20 (4.742 min) of NT1422123014.D (Subtracted)


90 N-Nitrosodimethylamine (Reference Spectrum)


Scan 20 (4.742 min) of NT1422123014.D (% DIFFERENCE)


Ion 74.00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Date : 30-DEC-2022 15:53

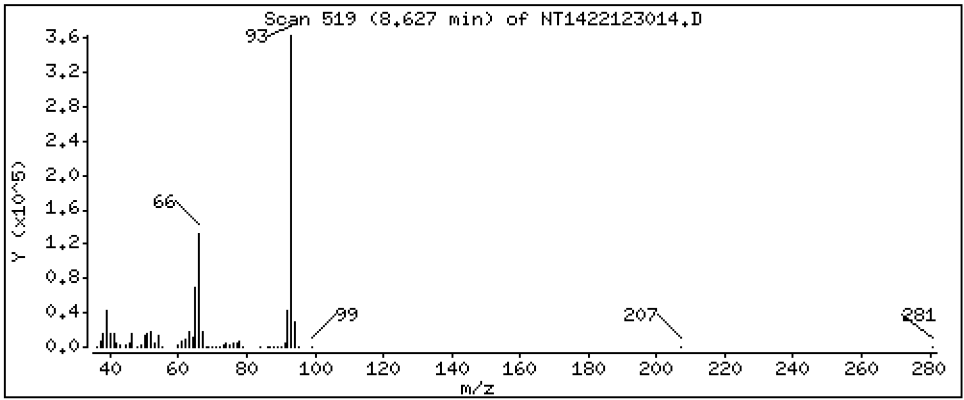
Client ID: Instrument: nt14.i

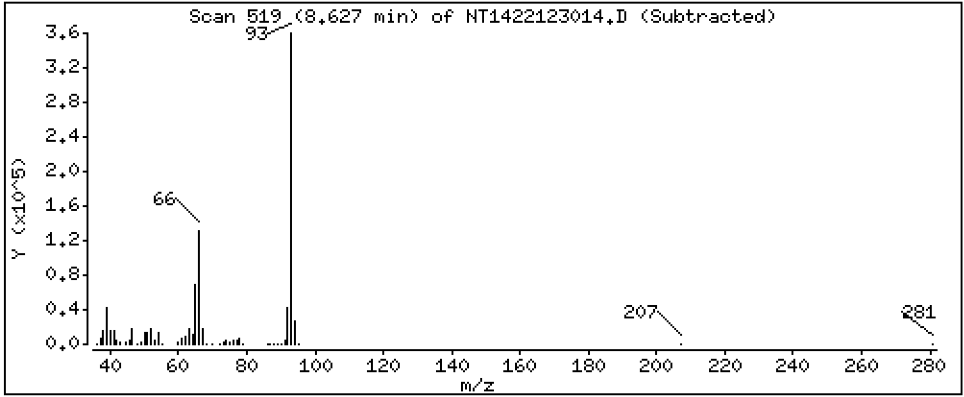
Sample Info: SKL0355-ICV2

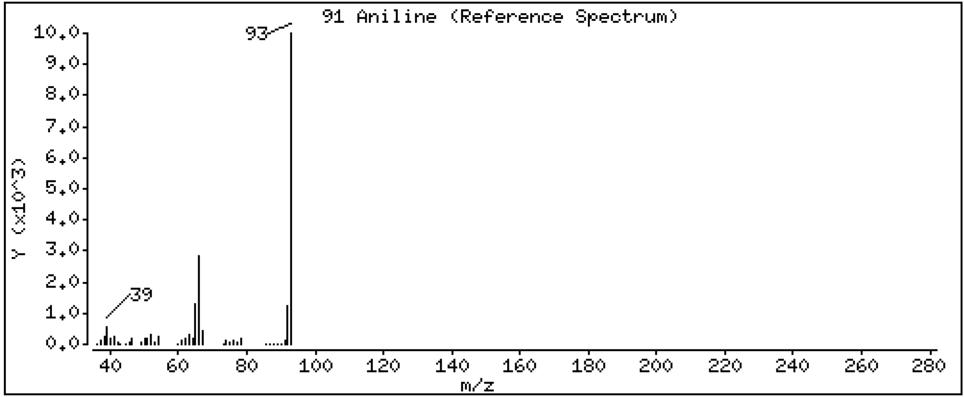
Operator: VTS

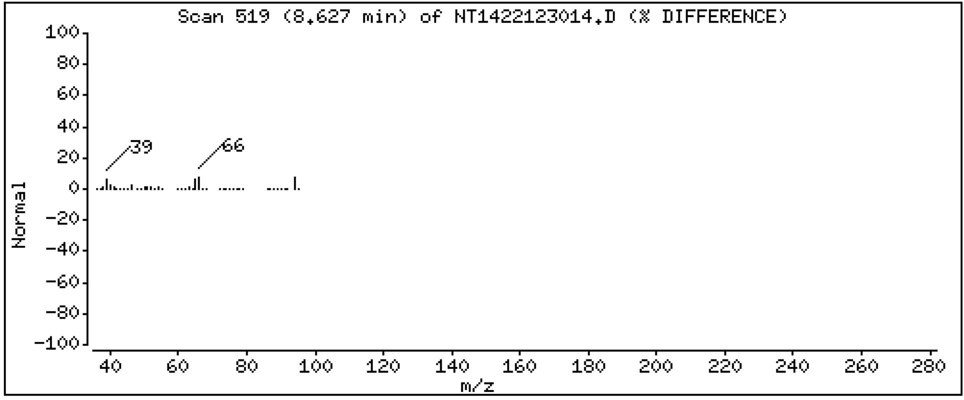
Column phase: ZB-5msi Column diameter: 0.25

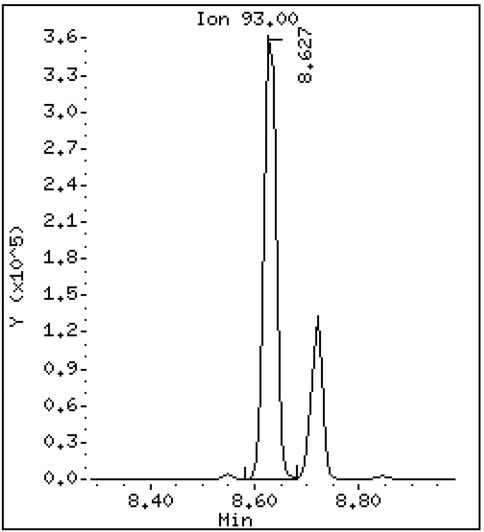
91 Aniline Concentration: 9.711 ug/mL


Scan 519 (8.627 min) of NT1422123014.D


Scan 519 (8.627 min) of NT1422123014.D (Subtracted)


91 Aniline (Reference Spectrum)


Scan 519 (8.627 min) of NT1422123014.D (% DIFFERENCE)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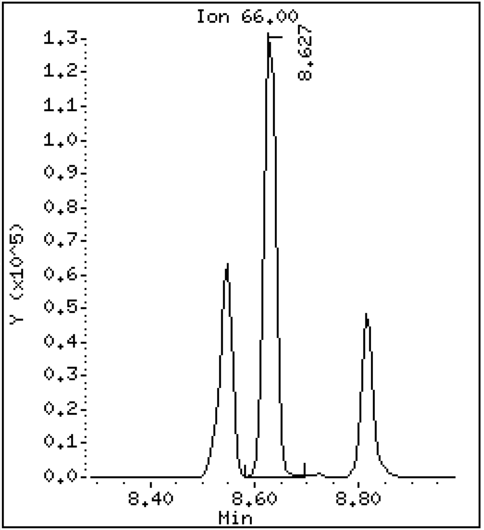
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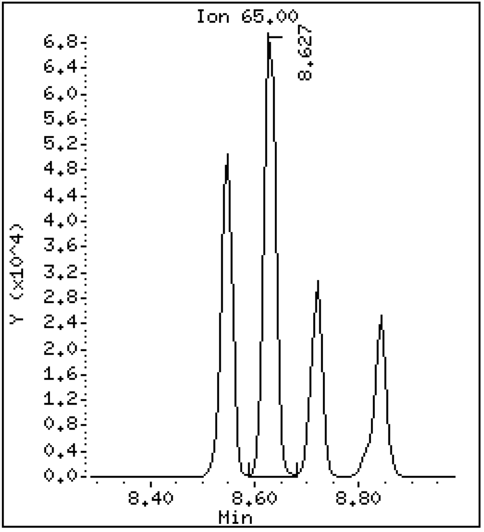
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Data File: \\target\share\chem3\nt14.i\20221230.b\NT1422123014.D

Date : 30-DEC-2022 15:53

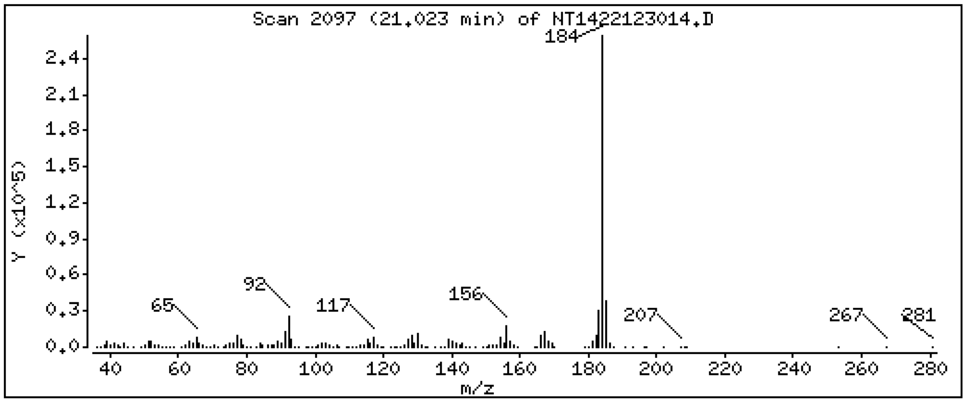
Client ID: Instrument: nt14.i

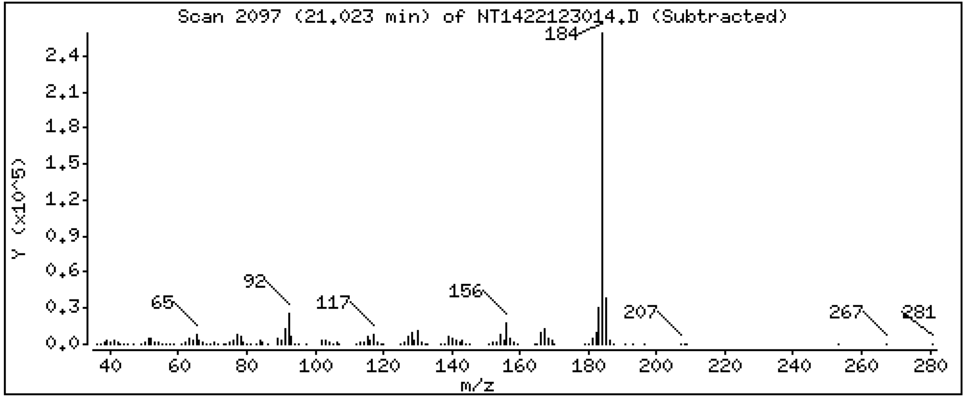
Sample Info: SKL0355-ICV2

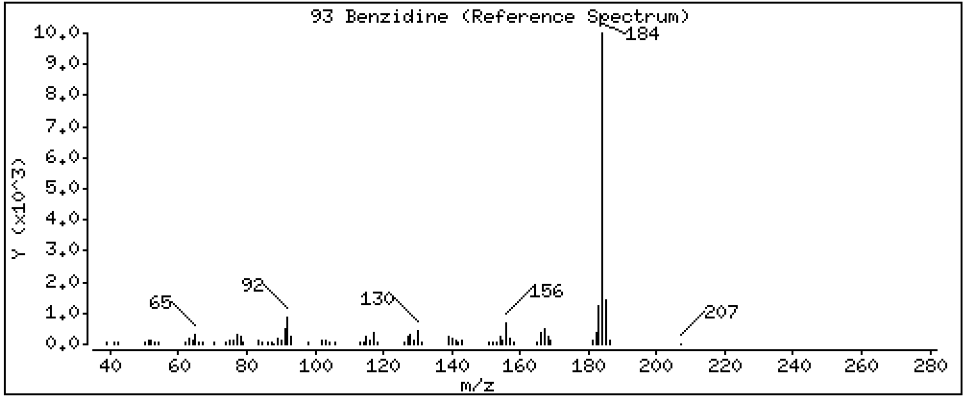
Operator: VTS

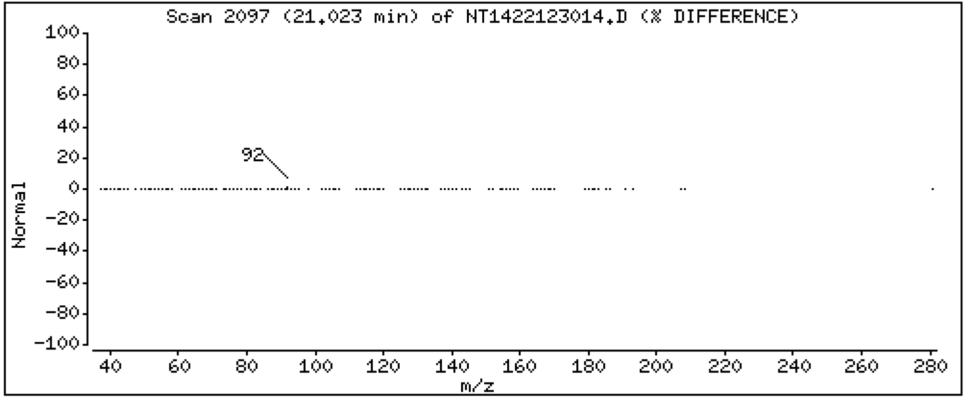
Column phase: ZB-5msi Column diameter: 0.25

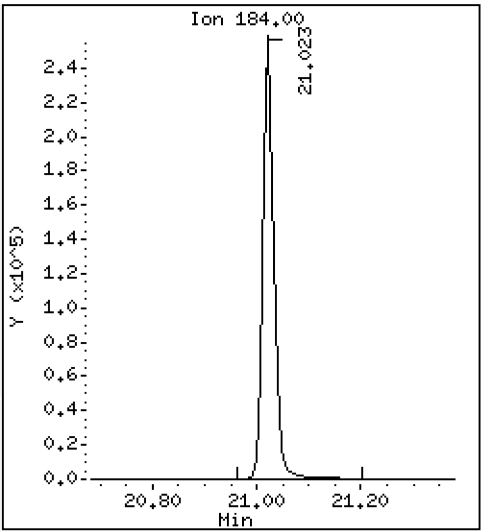
93 Benzidine Concentration: 8.319 ug/mL

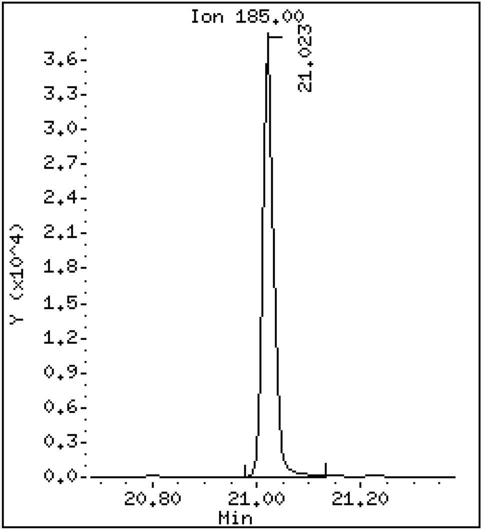

Scan 2097 (21.023 min) of NT1422123014.D

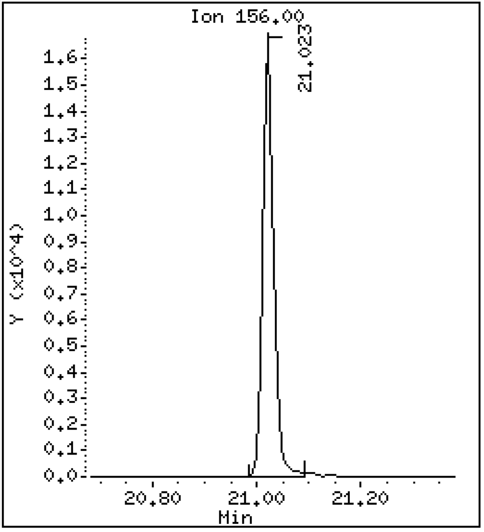

Scan 2097 (21.023 min) of NT1422123014.D (Subtracted)


93 Benzidine (Reference Spectrum)


Scan 2097 (21.023 min) of NT1422123014.D (% DIFFERENCE)


Ion 184.00


Ion 185.00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Data File: \\target\share\chem3\nt14.i\20221230.b\NT1422123014.D

Date : 30-DEC-2022 15:53

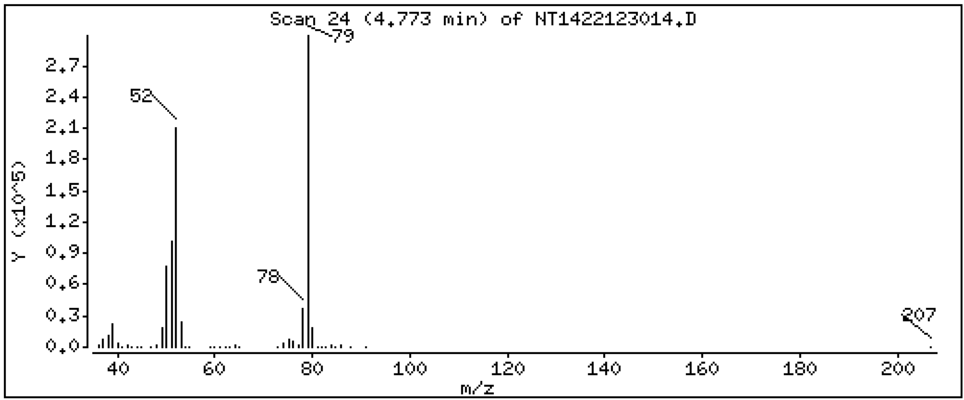
Client ID: Instrument: nt14.i

Sample Info: SKL0355-ICV2

Operator: VTS

Column phase: ZB-5msi Column diameter: 0.25

103 Pyridine Concentration: 4.949 ug/mL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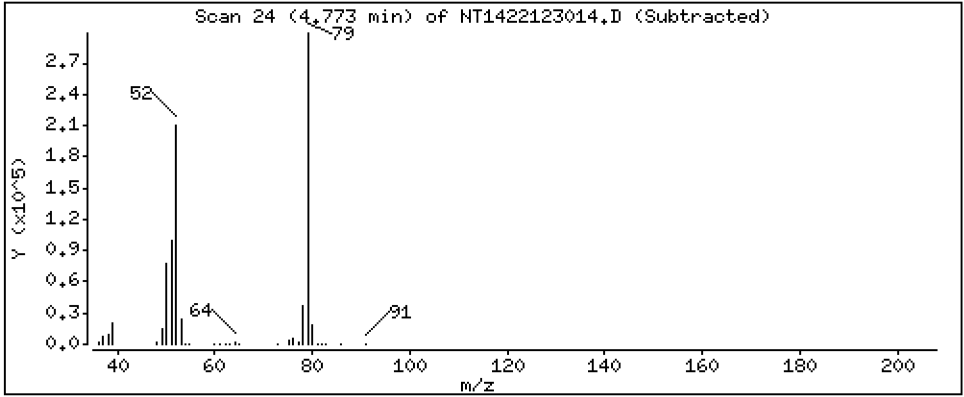
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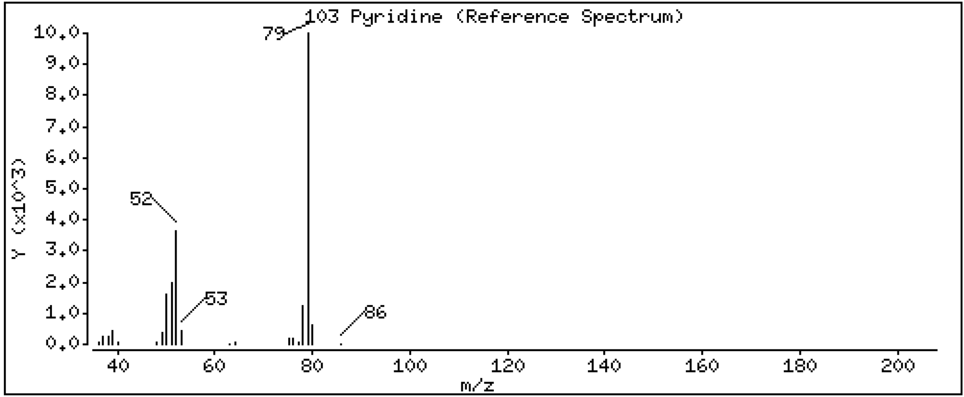
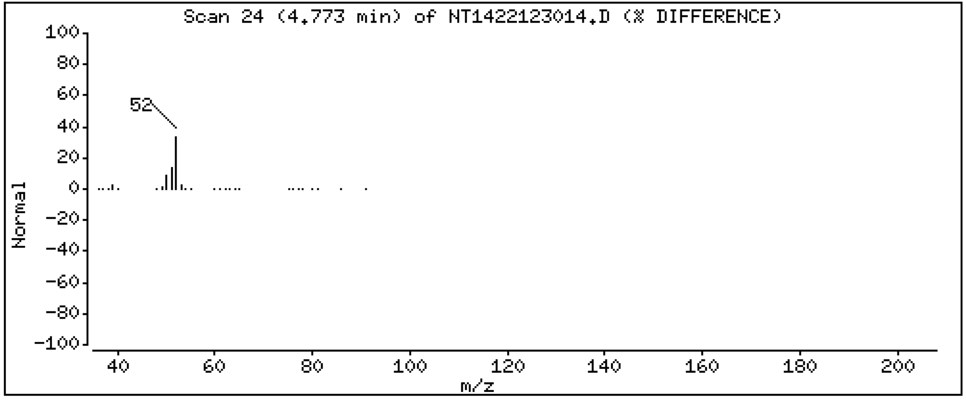
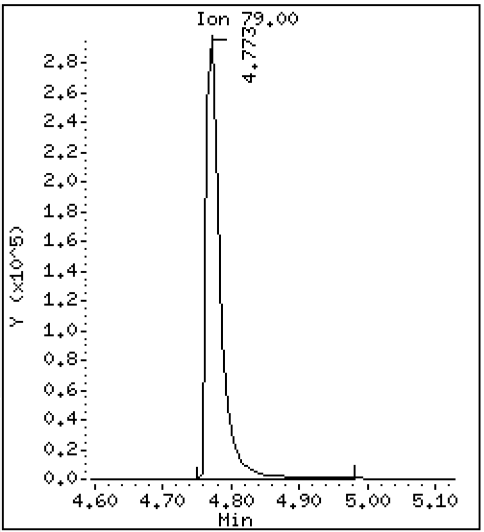

103 Pyridine (Reference Spectrum)


Scan 24 (4.773 min) of NT1422123014.D (% DIFFERENCE)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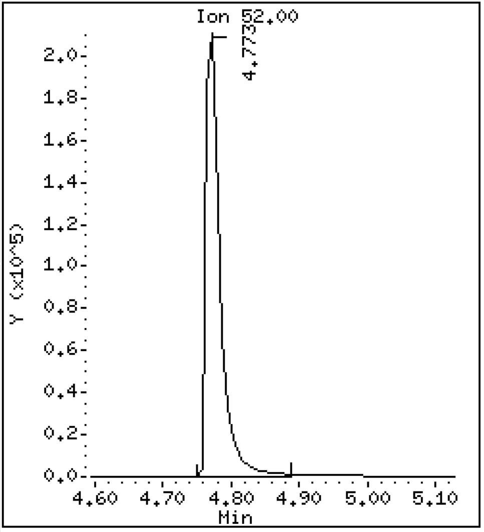
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Date : 30-DEC-2022 15:53

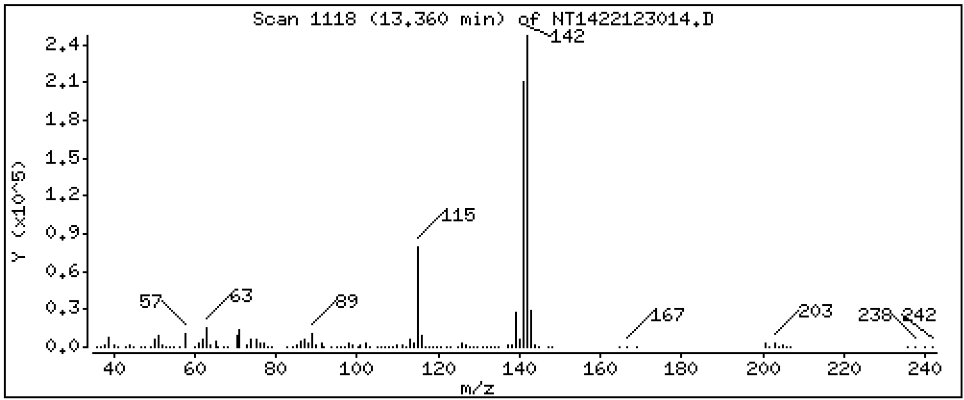
Client ID: Instrument: nt14.i

Sample Info: SKL0355-ICV2

Operator: VTS

Column phase: ZB-5msi Column diameter: 0.25

105 1-methylnaphthalene Concentration: 4.706 ug/mL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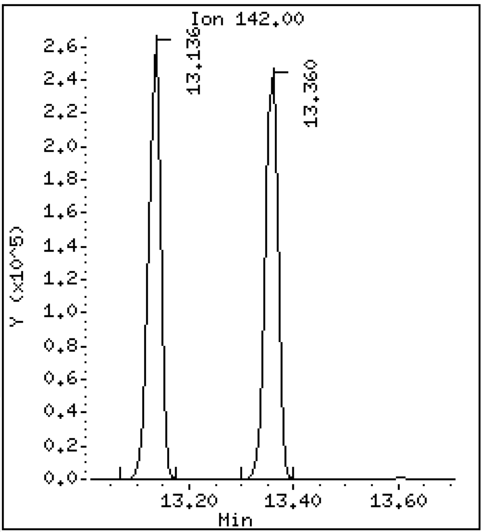
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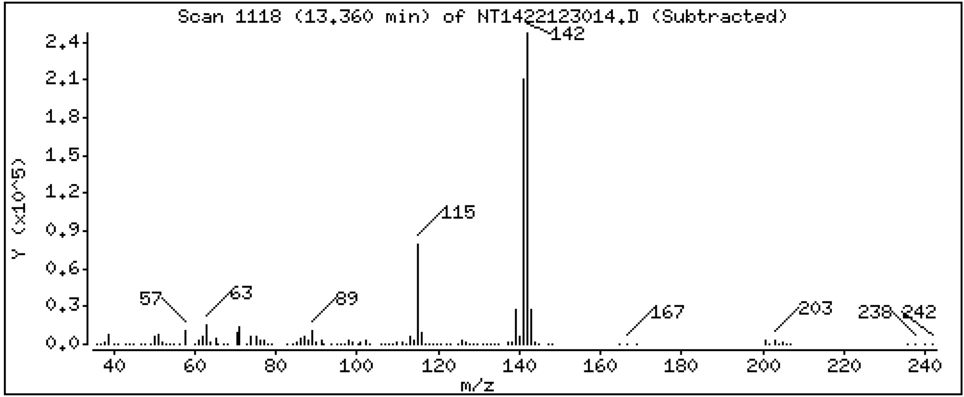
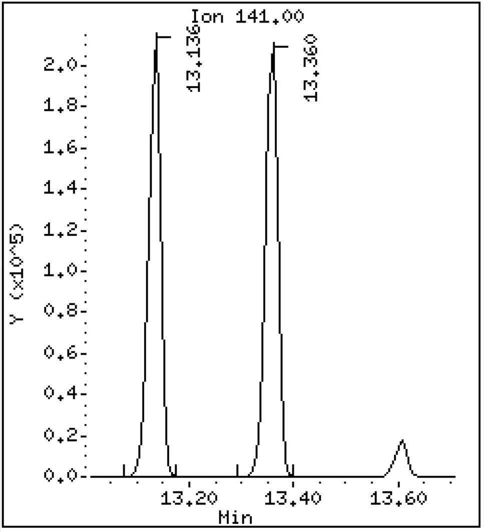

Scan 1118 (13.360 min) of NT1422123014.D (Subtracted)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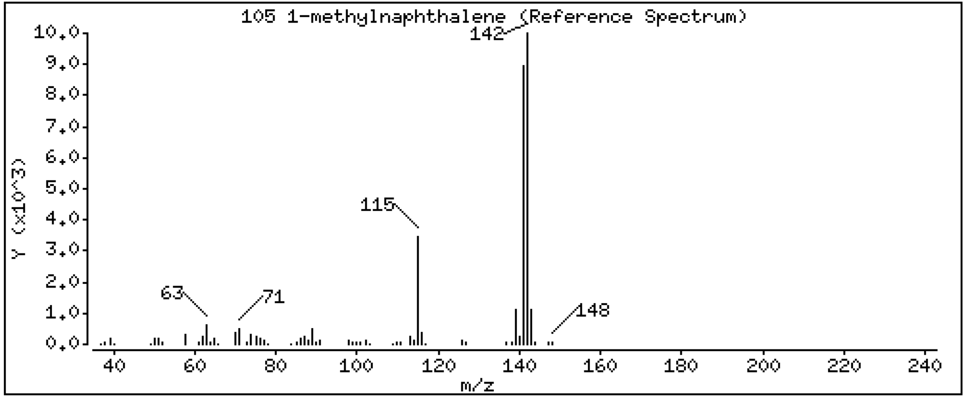
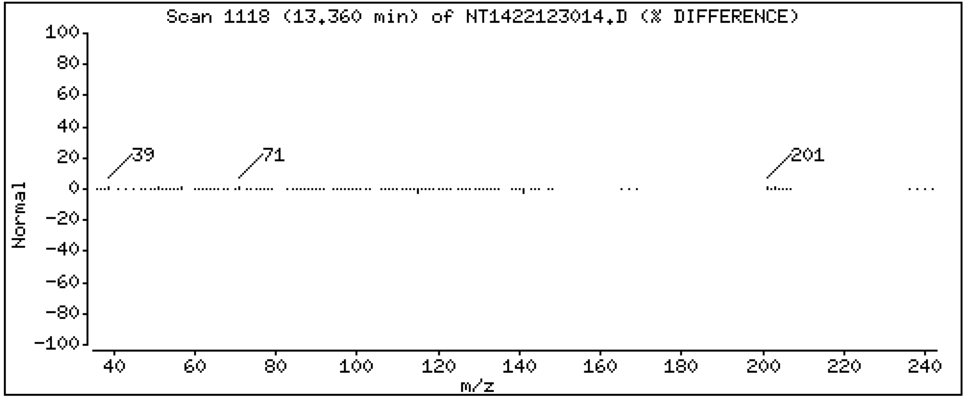

105 1-methylnaphthalene (Reference Spectrum)


Scan 1118 (13.360 min) of NT1422123014.D (% DIFFERENCE)

Data File: \\target\share\chem3\nt14.i\20221230.b\NT1422123014.D

Date : 30-DEC-2022 15:53

Client ID:

Instrument: nt14.i

Sample Info: SKL0355-ICV2

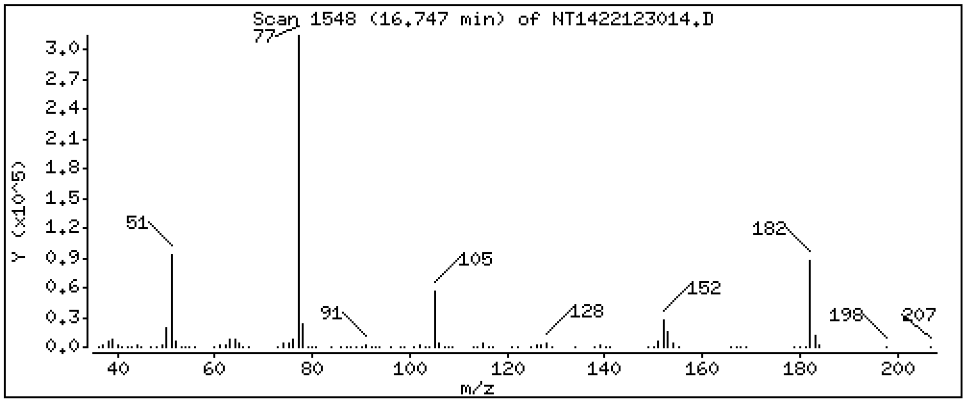
Operator: VTS

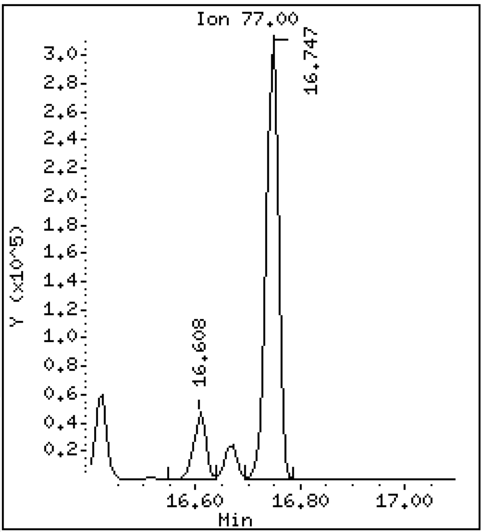
Column phase: ZB-5msi

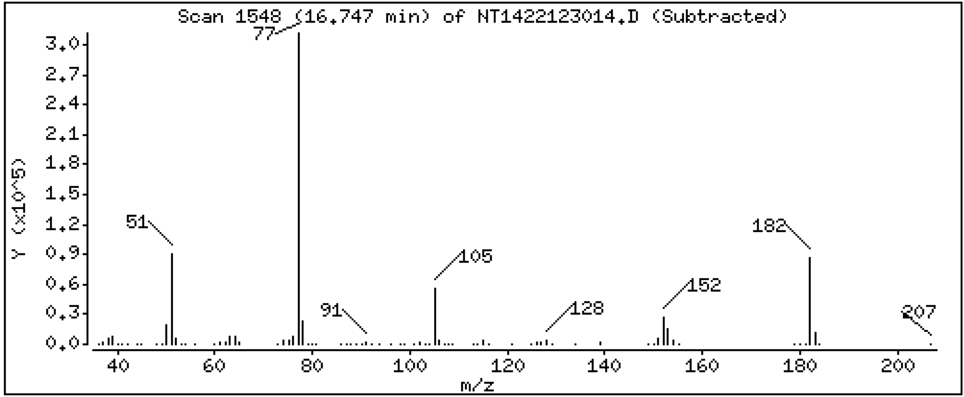
Column diameter: 0.25

111 Azobenzene (1,2-DP-Hydrazine)

Concentration: 4.948 ug/mL


Scan 1548 (16.747 min) of NT1422123014.D


Ion 77.00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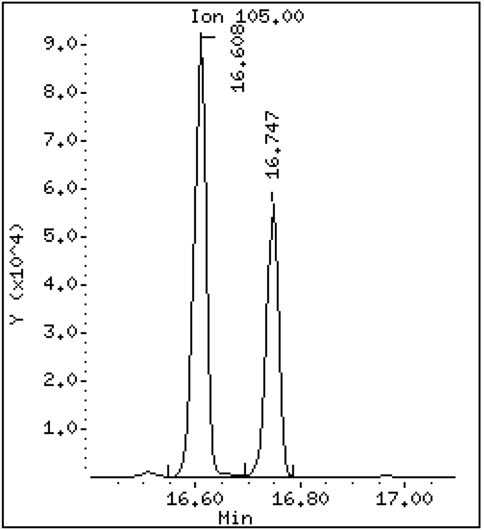
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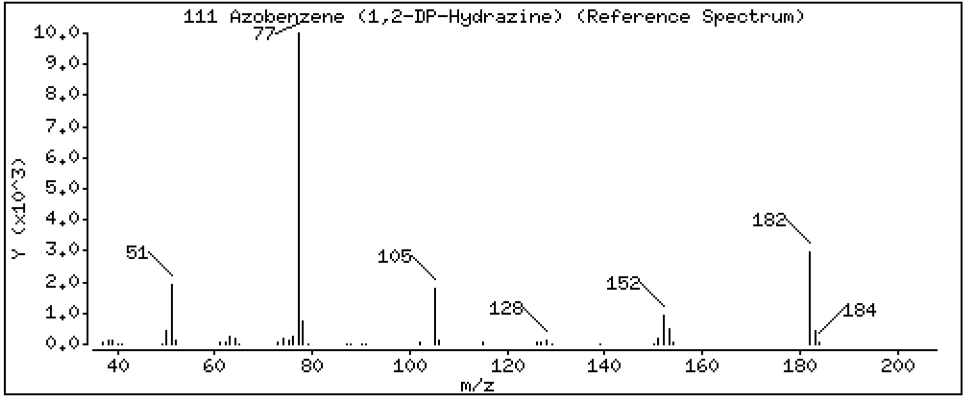
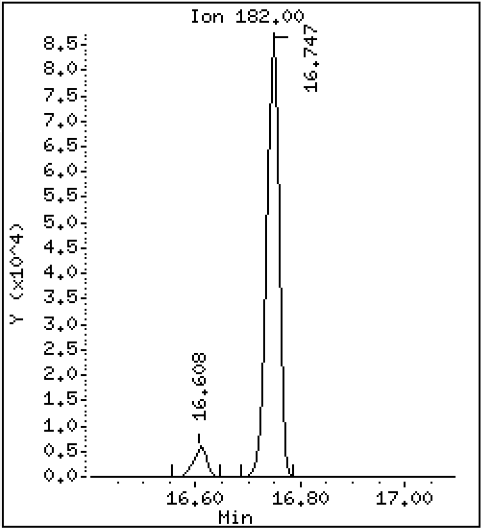
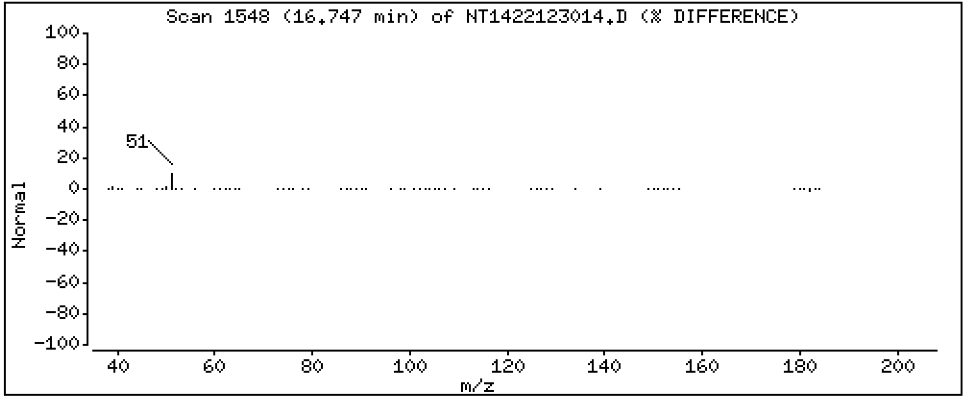

111 Azobenzene (1,2-DP-Hydrazine) (Reference Spectrum)


Ion 182.00


Scan 1548 (16.747 min) of NT1422123014.D (% DIFFERENCE)

Data File: \\target\share\chem3\nt14.i\20221230.b\NT1422123014.D

Date : 30-DEC-2022 15:53

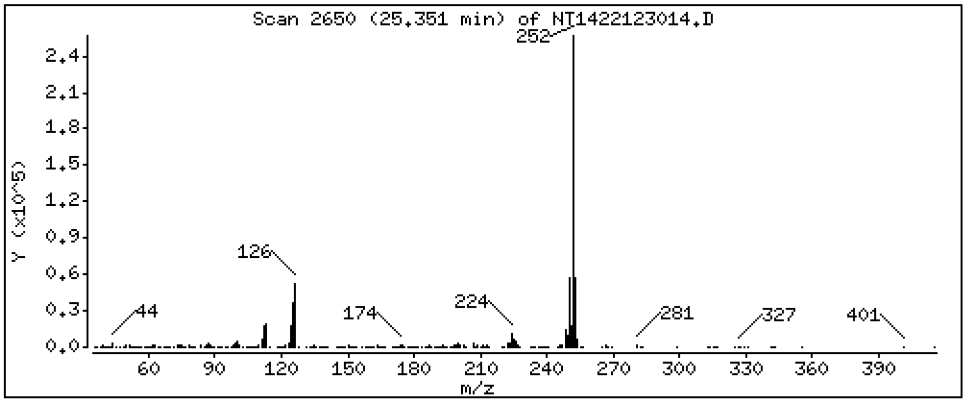
Client ID: Instrument: nt14.i

Sample Info: SKL0355-ICV2

Operator: VTS

Column phase: ZB-5msi Column diameter: 0.25

187 Total Benzofluoranthenes Concentration: 9.393 ug/mL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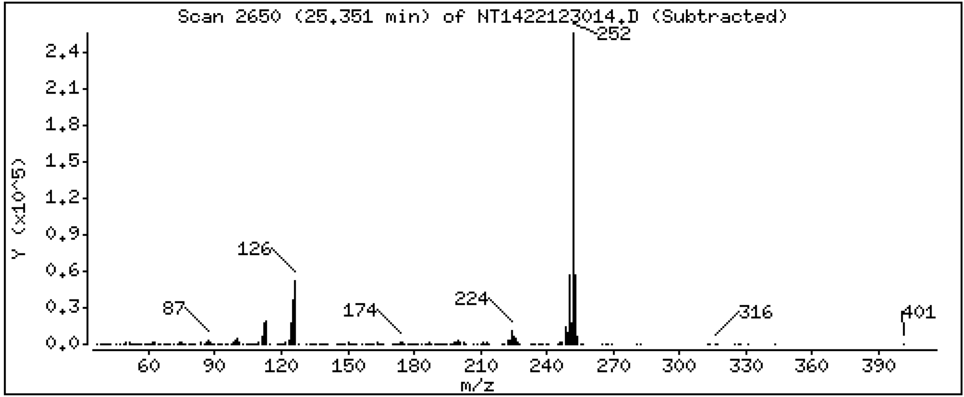
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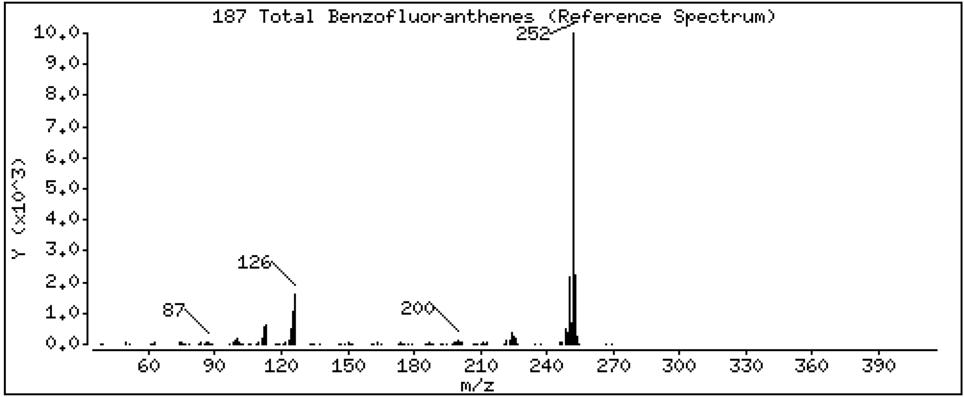
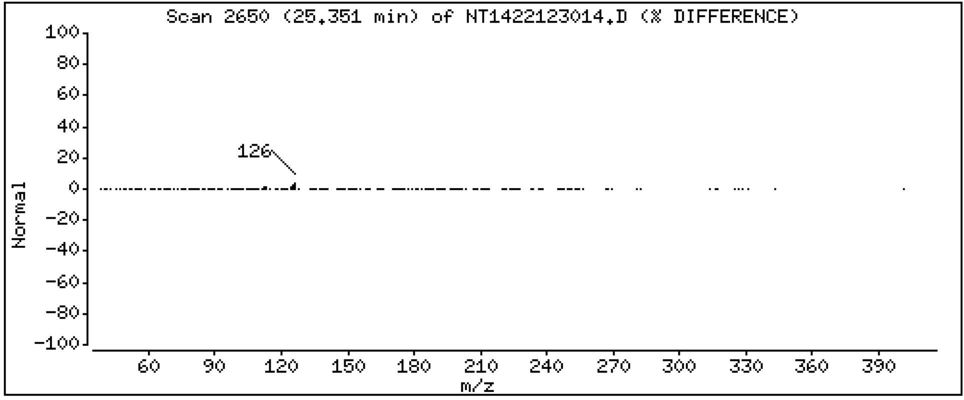
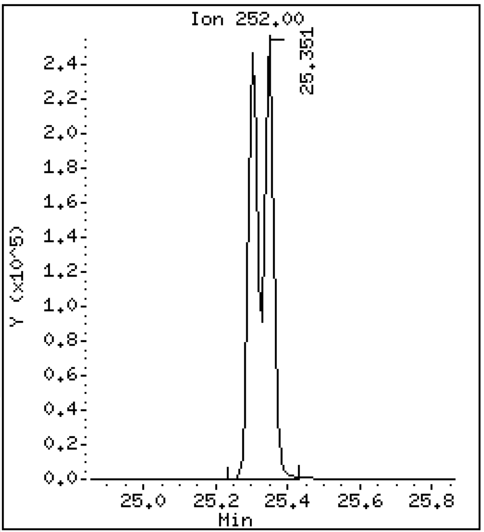

187 Total Benzofluoranthenes (Reference Spectrum)


Scan 2650 (25.351 min) of NT1422123014.D (% DIFFERENCE)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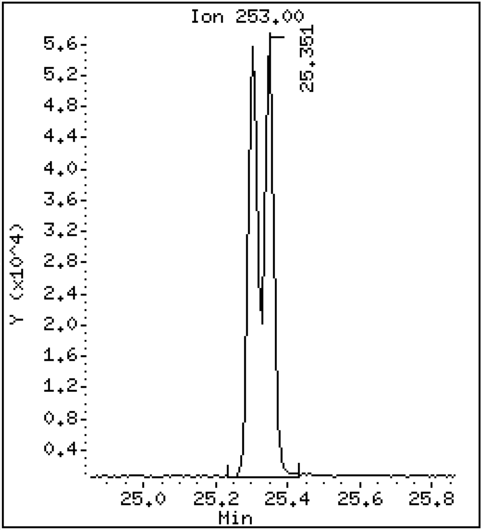
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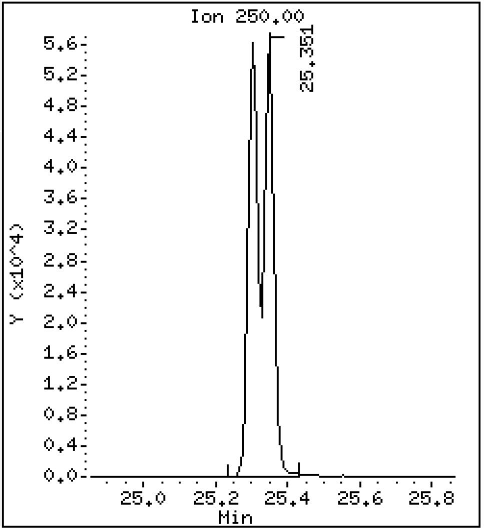
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Data File: \\target\share\chem3\nt14.i\20221230.b\NT1422123014.D

Date : 30-DEC-2022 15:53

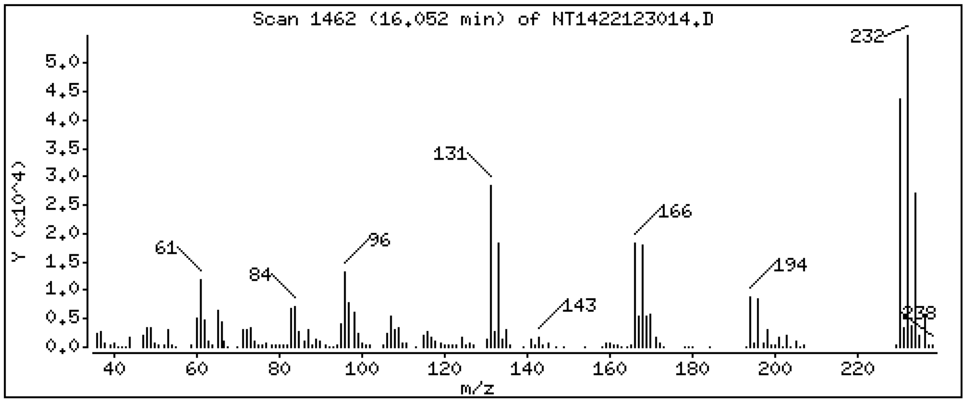
Client ID: Instrument: nt14.i

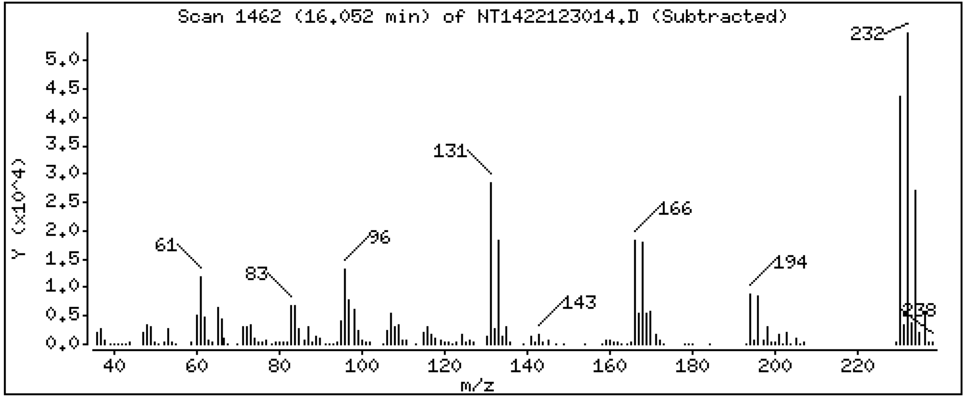
Sample Info: SKL0355-ICV2

Operator: VTS

Column phase: ZB-5msi Column diameter: 0.25

120 2,3,4,6-Tetrachlorophenol Concentration: 4.531 ug/mL


Scan 1462 (16.052 min) of NT1422123014.D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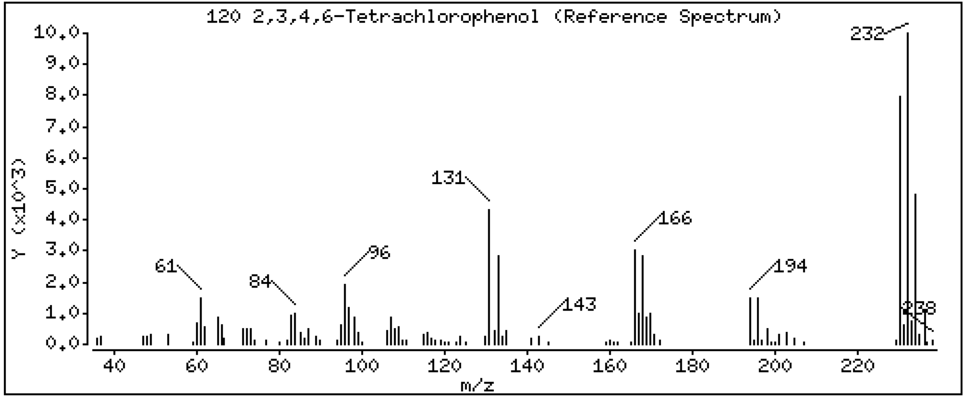
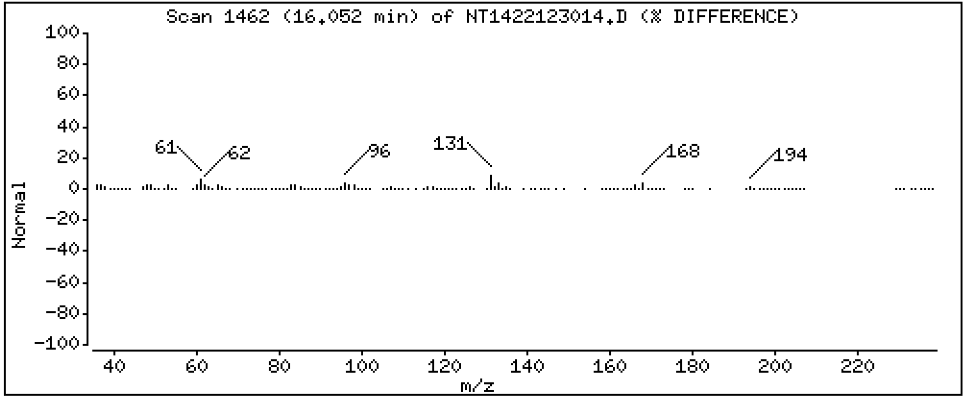

120 2,3,4,6-Tetrachlorophenol (Reference Spectrum)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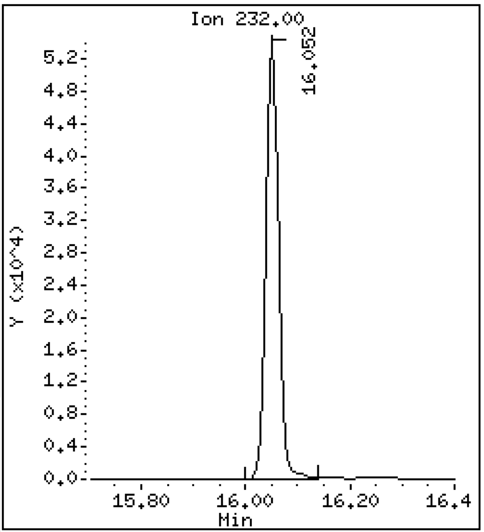
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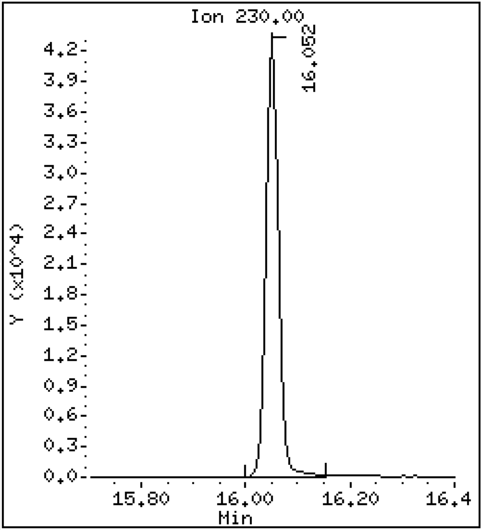
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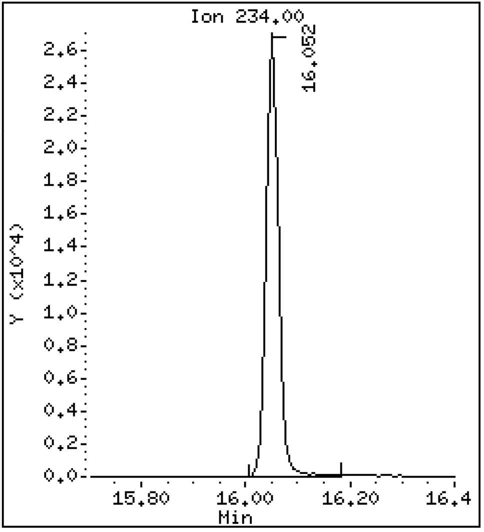
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                                   ARI Labs, Inc.

                       Semivolatile Report SW846 Method 8270D
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Lab Smp Id: SKL0355-ICV2
Inj Date  : 30-DEC-2022 15:53           MS Autotune Date: 17-MAY-2011 01:22
Operator  : VTS                         Inst ID: nt14.i
Smp Info  : SKL0355-ICV2
Misc Info :
Comment   : 1ul Injection
Method    : \\target\share\chem3\nt14.i\20221230.b\ABN.m
Meth Date : 04-Jan-2023 08:09 van       Quant Type: ISTD
Cal Date  : 30-DEC-2022 11:07           Cal File: NT1422123007.D
Als bottle: 2
Dil Factor: 1.00000
Integrator: HP RTE                      Compound Sublist: ICAL.sub
Target Version:  4.14
Processing Host: VANS-201906


                                                                              CONCENTRATIONS
                                      QUANT SIG                             ON-COLUMN    FINAL
Compounds                               MASS        RT   EXP RT   REL RT  RESPONSE   (ug/mL)    (ug/mL)
==========================              ====      ==== ======== ======== ========    =======    =======
$   1 2-Fluorophenol                     112      6.935   6.934 (0.755)    308210    7.37328      7.373
$   2 Phenol-d5                           99      8.526   8.526 (0.928)    385154    7.45579      7.456
    3 Phenol                              94      8.550   8.549 (0.931)    280303    4.77530      4.775
$   5 2-Chlorophenol-d4                  132      8.812   8.820 (0.960)    314158    7.24118      7.241
    4 Bis(2-Chloroethyl)ether             93      8.719   8.719 (0.949)    190620    4.71419      4.714
    6 2-Chlorophenol                     128      8.843   8.843 (0.963)    223136    4.68309      4.683
    7 1,3-Dichlorobenzene                146      9.122   9.121 (0.993)    230118    4.55456      4.555
*   8 1,4-Dichlorobenzene-d4             152      9.184   9.183 (1.000)    130476    4.00000
    9 1,4-Dichlorobenzene                146      9.215   9.214 (1.003)    217862    4.55156      4.552
$  10 1,2-Dichlorobenzene-d4             152      9.548   9.548 (1.040)    138662    4.67622      4.676
   12 1,2-Dichlorobenzene                146      9.572   9.571 (1.042)    217027    4.62327      4.623
   11 Benzyl alcohol                     108      9.447   9.447 (1.029)    129608    4.95987      4.960
   14 2,2'-oxybis(1-Chloropropane)       121      9.758   9.758 (1.063)     50798    3.73248      3.732
   13 2-Methylphenol                     108      9.673   9.672 (1.053)    207206    4.85794      4.858
   17 Hexachloroethane                   117     10.177  10.177 (1.108)     84099    4.77717      4.777
   16 N-Nitroso-di-n-propylamine          70     10.014  10.014 (1.090)    133994    5.15699      5.157
   15 4-Methylphenol                     108      9.944   9.944 (1.083)    220305    4.89616      4.896
$  18 Nitrobenzene-d5                     82     10.278  10.285 (0.879)    204953    5.00970      5.010
   19 Nitrobenzene                        77     10.317  10.316 (0.883)    196817    4.84408      4.844
   20 Isophorone                          82     10.767  10.774 (0.921)    264091    5.09989      5.100
   21 2-Nitrophenol                      139     10.953  10.953 (0.937)    121522    4.70002      4.700
   22 2,4-Dimethylphenol                 107     11.000  10.999 (0.941)    401339    9.46431      9.464
   23 Bis(2-Chloroethoxy)methane          93     11.201  11.201 (0.958)    187236    4.64788      4.648
   24 Benzoic acid                       105     11.193  11.201 (0.958)    466969    17.3883      17.39
   25 2,4-Dichlorophenol                 162     11.410  11.410 (0.976)    358230    10.0218      10.02
   26 1,2,4-Trichlorobenzene             180     11.604  11.604 (0.993)    172538    4.46408      4.464
*  27 Naphthalene-d8                     136     11.689  11.688 (1.000)    484478    4.00000
   28 Naphthalene                        128     11.727  11.735 (1.003)    545783    4.57764      4.578
   29 4-Chloroaniline                    127     11.851  11.858 (1.014)    478513    9.73195      9.732
   30 Hexachlorobutadiene                225     12.098  12.098 (1.035)     86983    4.53587      4.536
   31 4-Chloro-3-methylphenol            107     12.810  12.818 (1.096)    337936    10.0182      10.02
   32 2-Methylnaphthalene                142     13.135  13.135 (1.124)    409647    4.68397      4.684
   33 Hexachlorocyclopentadiene          237     13.607  13.607 (0.888)    191298    9.67948      9.679
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Data File: \\target\share\chem3\nt14.i\20221230.b\NT1422123014.D Page 2
Report Date: 04-Jan-2023 08:14


                                                                                   CONCENTRATIONS
                                      QUANT SIG                                  ON-COLUMN    FINAL
Compounds                              MASS         RT    EXP RT   REL RT  RESPONSE   (ug/mL)    (ug/mL)
==========================             ====       ==== ======== ======== ========   =======    =======
   34 2,4,6-Trichlorophenol             196     13.754  13.754 (0.897)    214549   9.83188      9.832
   35 2,4,5-Trichlorophenol             196     13.824  13.824 (0.902)    248250   9.85697      9.857
$  36 2-Fluorobiphenyl                  172     13.917  13.916 (0.908)    407699   4.63803      4.638
   37 2-Chloronaphthalene               162     14.134  14.133 (0.922)    346005   4.62692      4.627
   38 2-Nitroaniline                     65     14.381  14.389 (0.938)    209733   10.6678      10.67
   39 Dimethylphthalate                 163     14.815  14.822 (0.967)    347899   4.71850      4.718
   40 Acenaphthylene                    152     15.008  15.008 (0.979)    537414   4.71315      4.713
   41 2,6-Dinitrotoluene                165     14.954  14.954 (0.976)    165174   9.92663      9.927
*  42 Acenaphthene-d10                  164     15.325  15.325 (1.000)    261445   4.00000
   43 3-Nitroaniline                    138     15.240  15.240 (0.994)    200585   9.91816      9.918
   44 Acenaphthene                      153     15.387  15.394 (1.004)    326255   4.61321      4.613
   45 2,4-Dinitrophenol                 184     15.449  15.456 (1.008)    259341   17.6160      17.62
   46 Dibenzofuran                      168     15.719  15.719 (1.026)    482191   4.54662      4.547
   47 4-Nitrophenol                     109     15.542  15.549 (1.014)     93362   9.44134      9.441
   48 2,4-Dinitrotoluene                165     15.766  15.765 (1.029)    225728   9.88745      9.887
   50 Diethylphthalate                  149     16.284  16.283 (1.063)    497843   4.96768      4.968
   49 Fluorene                          166     16.431  16.438 (1.072)    557395   4.94047      4.940
   51 4-Chlorophenyl-phenylether        204     16.423  16.423 (1.072)    257743   4.66626      4.666
   52 4-Nitroaniline                    138     16.508  16.515 (1.077)    239364   9.61614      9.616
   53 4,6-Dinitro-2-methylphenol        198     16.608  16.615 (0.904)    347239   19.1944      19.19
   54 N-Nitrosodiphenylamine            169     16.670  16.669 (0.907)    327227   4.61933      4.619
$  55 2,4,6-Tribromophenol              330     16.970  16.970 (1.107)     86618   6.81831      6.818
   56 4-Bromophenyl-phenylether         248     17.425  17.433 (0.949)    123400   4.60038      4.600
   57 Hexachlorobenzene                 284     17.750  17.749 (0.966)    132817   4.51201      4.512
   58 Pentachlorophenol                 266     18.098  18.106 (0.985)    118918   8.91327      8.913
*  59 Phenanthrene-d10                  188     18.369  18.376 (1.000)    412822   4.00000
   60 Phenanthrene                      178     18.423  18.423 (1.003)    494198   4.59143      4.591
   61 Anthracene                        178     18.516  18.516 (1.008)    501351   4.87916      4.879
   62 Carbazole                         167     18.833  18.841 (1.025)    464657   4.67769      4.678
   63 Di-n-butylphthalate               149     19.630  19.630 (1.069)    560630   4.80679      4.807
   64 Fluoranthene                      202     20.798  20.806 (0.889)    546633   4.86276      4.863
   65 Pyrene                            202     21.224  21.231 (0.907)    572281   4.84197      4.842
$  66 Terphenyl-d14                     244     21.503  21.510 (0.919)    397869   4.74754      4.748
   67 Butylbenzylphthalate              149     22.424  22.423 (0.958)    220809   4.86864      4.869
   68 Benzo(a)anthracene                228     23.384  23.384 (0.999)    507176   4.79555      4.796
*  69 Chrysene-d12                      240     23.407  23.415 (1.000)    349122   4.00000
   70 3,3'-Dichlorobenzidine            252     23.330  23.329 (0.997)    396605   12.2501      12.25
   71 Chrysene                          228     23.454  23.461 (1.002)    468523   4.68997      4.690
   72 bis(2-Ethylhexyl)phthalate        149     23.438  23.446 (0.959)    317067   5.46880      5.469
* 134 Di-n-octylphthalate-d4            153     24.437  24.437 (1.000)    522046   4.00000
   73 Di-n-octylphthalate               149     24.445  24.452 (1.000)    569094   4.54137      4.541
   74 Benzo(b)fluoranthene              252     25.304  25.311 (0.969)    481563   4.68412      4.684
   75 Benzo(k)fluoranthene              252     25.350  25.358 (0.971)    495263   4.73313      4.733
   76 Benzo(a)pyrene                    252     25.978  25.985 (0.995)    411908   4.81967      4.820
*  77 Perylene-d12                      264     26.102  26.101 (1.000)    327130   4.00000
   78 Indeno(1,2,3-cd)pyrene            276     28.853  28.869 (1.105)    479486   4.93535      4.935
   79 Dibenzo(a,h)anthracene            278     28.869  28.876 (1.106)    395113   4.78585      4.786
   80 Benzo(g,h,i)perylene              276     29.677  29.684 (1.137)    398711   4.89891      4.899
   90 N-Nitrosodimethylamine             74      4.741   4.749 (0.516)    286265   9.94372      9.944
   91 Aniline                            93      8.627   8.634 (0.939)    554998   9.71062      9.711
   93 Benzidine                         184     21.023  21.030 (0.898)    368474   8.31946      8.319
  103 Pyridine                           79      4.772   4.780 (0.520)    452701   4.94876      4.949
  105 1-methylnaphthalene               142     13.360  13.359 (1.143)    395432   4.70577      4.706
  111 Azobenzene (1,2-DP-Hydrazine)      77     16.747  16.746 (1.093)    480358   4.94760      4.948
```

```
                                                                                              CONCENTRATIONS
                                      QUANT SIG                                             ON-COLUMN    FINAL
Compounds                               MASS          RT    EXP RT   REL RT  RESPONSE      (ug/mL)     (ug/mL)
==========================              ====          ==== ======== ======== ========      =======     =======
  187 Total Benzofluoranthenes           252        25.350  25.358 (0.971)     933646      9.39348       9.393
  120 2,3,4,6-Tetrachlorophenol          232        16.052  16.051 (1.047)      86602      4.53059       4.531
```

Data File: \\target\share\chem3\nt14.i\20221230.b\NT1422123014.D Page 1
Report Date: 04-Jan-2023 08:14

ARI Labs, Inc.

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: nt14.i
Lab File ID: NT1422123014.D
Lab Smp Id: SKL0355-ICV2
Analysis Type: SV
Quant Type: ISTD
Operator: VTS
Method File: \\target\share\chem3\nt14.i\20221230.b\ABN.m
Misc Info:

Calibration Date: 30-DEC-2022
Calibration Time: 08:06
Level:
Sample Type:

Test Mode:
Use Last Continuing Calibrator.

		AREA LIMIT			
COMPOUND	STANDARD	LOWER	UPPER	SAMPLE	%DIFF
8 1,4-Dichlorobenze	151013	75507	302026	130476	-13.60
27 Naphthalene-d8	553510	276755	1107020	484478	-12.47
42 Acenaphthene-d10	305411	152706	610822	261445	-14.40
59 Phenanthrene-d10	491708	245854	983416	412822	-16.04
69 Chrysene-d12	424740	212370	849480	349122	-17.80
134 Di-n-octylphthala	684951	342476	1369902	522046	-23.78
77 Perylene-d12	395150	197575	790300	327130	-17.21

		RT LIMIT			
COMPOUND	STANDARD	LOWER	UPPER	SAMPLE	%DIFF
8 1,4-Dichlorobenze	9.18	8.68	9.68	9.18	0.00
27 Naphthalene-d8	11.69	11.19	12.19	11.69	0.00
42 Acenaphthene-d10	15.33	14.83	15.83	15.33	0.00
59 Phenanthrene-d10	18.38	17.88	18.88	18.37	-0.04
69 Chrysene-d12	23.42	22.92	23.92	23.41	-0.03
134 Di-n-octylphthala	24.44	23.94	24.94	24.44	0.00
77 Perylene-d12	26.10	25.60	26.60	26.10	0.00

AREA UPPER LIMIT = +100% of internal standard area.
AREA LOWER LIMIT = - 50% of internal standard area.
RT UPPER LIMIT = + 0.50 minutes of internal standard RT.
RT LOWER LIMIT = - 0.50 minutes of internal standard RT.

```
REVIEW SUMMARY FOR FILE - NT1422123014.D

Lab ID: SKL0355-ICV2
nt14.i,  20221230.b\ABN.m,    30-DEC-2022 15:53

     RT      CO-ELUTION COMPOUNDS
----------------------------------------------------------------------------

            NO CO-ELUTIONS


Quant Method: ICAL



        RRT CHECK

   RRT    CCV RRT   DELTA    COMPOUND
 -------------------------------------

   NONE

  RRT check based on Ccal File: NT1422123002.D


 On Column LOD for nt14.i, 20221230.b\ABN.m, ICAL.sub = 0.0000



 * Only compounds listed in the work order have been verified by the analyst *
```

INITIAL CALIBRATION CHECK

EPA 8270E

Laboratory:	Analytical Resources, LLC	SDG:	22L0307
Client:	Anchor QEA, LLC	Project:	AOC4 UR Phase 3
Instrument ID:	NT14	Calibration:	FL00066
Lab File ID:	NT1422123049.D	Calibration Date:	12/30/2022
Sequence:	SKL0355	Injection Date:	12/31/22
Lab Sample ID:	SKL0355-ICV4	Injection Time:	13:17
Sequence Name:	ABN 5		

		CONC. (ug/mL)		RESPONSE FACTOR			% DRIFT/DIFF		
COMPOUND	TYPE	STD	ICV	ICAL	ICV	MIN	ICV	LIMIT	
Phenol	A	5.0000	4.7	1.7995200	1.6801430		-6.6	+/-20	
bis(2-chloroethyl) ether	A	5.0000	4.6	1.2396270	1.1354090		-8.4	+/-20	
2-Chlorophenol	A	5.0000	4.7	1.4607190	1.3781420		-5.7	+/-20	
1,3-Dichlorobenzene	A	5.0000	4.6	1.5489360	1.4156250		-8.6	+/-20	
1,4-Dichlorobenzene	A	5.0000	4.6	1.4674070	1.3450740		-8.3	+/-20	
1,2-Dichlorobenzene	A	5.0000	4.6	1.4391100	1.3214800		-8.2	+/-20	
Benzyl Alcohol	A	5.0000	4.9	0.8011083	0.7828800		-2.3	+/-20	
2,2'-Oxybis(1-chloropropane)	A	5.0000	4.7	0.4172325	0.3900475		-6.5	+/-20	
2-Methylphenol	A	5.0000	4.8	1.3076140	1.2453830		-4.8	+/-20	
Hexachloroethane	A	5.0000	4.4	0.5396966	0.4696673		-13.0	+/-20	
N-Nitroso-di-n-Propylamine	A	5.0000	5.0	0.7965591	0.7987206		0.3	+/-20	
4-Methylphenol	A	5.0000	4.9	1.3794240	1.3401830		-2.8	+/-20	
Nitrobenzene	A	5.0000	4.9	0.3354574	0.3275726		-2.4	+/-20	
Isophorone	A	5.0000	5.2	0.4275424	0.4488704		5.0	+/-20	
2-Nitrophenol	A	5.0000	5.2	0.2064997	0.2249104		4.8	+/-20	
2,4-Dimethylphenol	A	10.000	10.4	0.3501131	0.3625637		3.6	+/-20	
Bis(2-Chloroethoxy)methane	A	5.0000	4.6	0.3325989	0.3076842		-7.5	+/-20	
2,4-Dichlorophenol	A	10.000	10.4	0.2951237	0.3079848		4.4	+/-20	
1,2,4-Trichlorobenzene	A	5.0000	4.5	0.3191088	0.2892532		-9.4	+/-20	
Naphthalene	A	5.0000	4.6	0.9843833	0.9078499		-7.8	+/-20	
Benzoic acid	A	20.000	15.8	0.1508906	0.1739713		-21.3	+/-20	*
4-Chloroaniline	A	10.000	10.3	0.4059568	0.4162417		2.5	+/-20	
Hexachlorobutadiene	A	5.0000	4.6	0.1583286	0.1461855		-7.7	+/-20	
4-Chloro-3-Methylphenol	A	10.000	10.2	0.2785027	0.2842360		2.1	+/-20	
2-Methylnaphthalene	A	5.0000	4.8	0.7220739	0.6907626		-4.3	+/-20	
Hexachlorocyclopentadiene	A	10.000	4.8	0.3023695	0.1447796		-52.1	+/-20	*
2,4,6-Trichlorophenol	A	10.000	10.5	0.3338641	0.3513387		5.2	+/-20	
2,4,5-Trichlorophenol	A	10.000	10.0	0.3853234	0.3861223		0.2	+/-20	
2-Chloronaphthalene	A	5.0000	4.6	1.1441150	1.0635150		-7.0	+/-20	
2-Nitroaniline	A	10.000	10.8	0.3007956	0.3242350		7.8	+/-20	

* Values outside of QC limits

INITIAL CALIBRATION CHECK

EPA 8270E

Laboratory: Analytical Resources, LLC
Client: Anchor QEA, LLC
Instrument ID: NT14
Lab File ID: NT1422123049.D
Sequence: SKL0355
Lab Sample ID: SKL0355-ICV4
Sequence Name: ABN 5

SDG: 22L0307
Project: AOC4 UR Phase 3
Calibration: FL00066
Calibration Date: 12/30/2022
Injection Date: 12/31/22
Injection Time: 13:17

COMPOUND	TYPE	CONC. (ug/mL)		RESPONSE FACTOR			% DRIFT/DIFF	
		STD	ICV	ICAL	ICV	MIN	ICV	LIMIT
Acenaphthylene	A	5.0000	4.7	1.7445240	1.6524400		-5.3	+/-20
Dimethylphthalate	A	5.0000	4.8	1.1280520	1.0813340		-4.1	+/-20
2,6-Dinitrotoluene	A	10.000	10.1	0.2545771	0.2561130		0.6	+/-20
Acenaphthene	A	5.0000	4.6	1.0820160	0.9971221		-7.8	+/-20
3-Nitroaniline	A	10.000	9.9	0.3094189	0.3048378		-1.5	+/-20
2,4-Dinitrophenol	A	20.000	14.9	0.1831718	0.1666727		-25.5	+/-20 *
Dibenzofuran	A	5.0000	4.6	1.6225950	1.4938400		-7.9	+/-20
4-Nitrophenol	A	10.000	8.9	0.1384031	0.1342845		-11.1	+/-20
2,4-Dinitrotoluene	A	10.000	9.8	0.3492859	0.3436218		-1.6	+/-20
Fluorene	A	5.0000	5.1	1.7261350	1.7561080		1.7	+/-20
4-Chlorophenylphenyl ether	A	5.0000	4.8	0.8450792	0.8091917		-4.2	+/-20
Diethyl phthalate	A	5.0000	5.1	1.5332690	1.5777480		2.9	+/-20
4-Nitroaniline	A	10.000	9.3	0.3413732	0.3539277		-7.0	+/-20
4,6-Dinitro-2-methylphenol	A	20.000	17.2	0.1530278	0.1498780		-14.1	+/-20
N-Nitrosodiphenylamine	A	5.0000	4.7	0.6863845	0.6513109		-5.1	+/-20
4-Bromophenyl phenyl ether	A	5.0000	4.7	0.2599074	0.2455477		-5.5	+/-20
Hexachlorobenzene	A	5.0000	4.5	0.2852204	0.2590127		-9.2	+/-20
Pentachlorophenol	A	10.000	6.8	0.1128364	0.0871737		-31.8	+/-20 *
Phenanthrene	A	5.0000	4.5	1.0429190	0.9427209		-9.6	+/-20
Anthracene	A	5.0000	4.8	0.9956202	0.9643179		-3.1	+/-20
Carbazole	A	5.0000	4.7	0.9624945	0.9015232		-6.3	+/-20
Di-n-Butylphthalate	A	5.0000	5.0	1.0394700	1.1338500		0.1	+/-20
Fluoranthene	A	5.0000	4.6	1.2879410	1.1971170		-7.1	+/-20
Pyrene	A	5.0000	4.6	1.3541610	1.2361520		-8.7	+/-20
Butylbenzylphthalate	A	5.0000	5.1	0.4650792	0.5260304		1.2	+/-20
Benzo(a)anthracene	A	5.0000	4.8	1.2117210	1.1557250		-4.6	+/-20
3,3'-Dichlorobenzidine	A	15.000	16.9	0.3709370	0.4182666		12.7	+/-20
Chrysene	A	5.0000	4.6	1.1445730	1.0481760		-8.4	+/-20
bis(2-Ethylhexyl)phthalate	A	5.0000	5.0	0.4442323	0.4451666		0.2	+/-20
Di-n-Octylphthalate	A	5.0000	4.4	0.9601702	0.8388549		-12.6	+/-20

* Values outside of QC limits

INITIAL CALIBRATION CHECK

EPA 8270E

Laboratory:	Analytical Resources, LLC	SDG:	22L0307
Client:	Anchor QEA, LLC	Project:	AOC4 UR Phase 3
Instrument ID:	NT14	Calibration:	FL00066
Lab File ID:	NT1422123049.D	Calibration Date:	12/30/2022
Sequence:	SKL0355	Injection Date:	12/31/22
Lab Sample ID:	SKL0355-ICV4	Injection Time:	13:17
Sequence Name:	ABN 5		

COMPOUND	TYPE	CONC. (ug/mL)		RESPONSE FACTOR			% DRIFT/DIFF	
		STD	ICV	ICAL	ICV	MIN	ICV	LIMIT
Benzofluoranthenes, Total	A	10.000	10.2	1.2153330	1.2442360		2.4	+/-20
Benzo(a)pyrene	A	5.0000	5.1	1.0450150	1.0609490		1.5	+/-20
Indeno(1,2,3-cd)pyrene	A	5.0000	3.2	1.1879490	0.7527935		-36.6	+/-20 *
Dibenzo(a,h)anthracene	A	5.0000	3.4	1.0094890	0.6813818		-32.5	+/-20 *
Benzo(g,h,i)perylene	A	5.0000	2.5	0.9951726	0.5009027		-49.7	+/-20 *
1-Methylnaphthalene	A	5.0000	4.8	0.6937882	0.6680471		-3.7	+/-20
2-Fluorophenol	A	7.5000	7.39	1.2814900	1.2619160		-1.5	+/-20
Phenol-d5	A	7.5000	7.43	1.5836890	1.5681240		-1.0	+/-20
2-Chlorophenol-d4	A	7.5000	7.41	1.3300510	1.3136660		-1.2	+/-20
1,2-Dichlorobenzene-d4	A	5.0000	4.69	0.9090592	0.8526335		-6.2	+/-20
Nitrobenzene-d5	A	5.0000	5.09	0.3377760	0.3441254		1.9	+/-20
2-Fluorobiphenyl	A	5.0000	4.71	1.3448860	1.2660660		-5.9	+/-20
2,4,6-Tribromophenol	A	7.5000	6.91	0.1844845	0.1790322		-7.9	+/-20
p-Terphenyl-d14	A	5.0000	4.44	0.9601842	0.8525341		-11.2	+/-20
1,4-Dichlorobenzene-d4	A	4.0000	4.0	37290.1800	1.0000		0.0	
Naphthalene-d8	A	4.0000	4.0	136223.9000	1.0000		0.0	
Acenaphthene-d10	A	4.0000	4.0	73667.8600	1.0000		0.0	
Phenanthrene-d10	A	4.0000	4.0	117990.4000	1.0000		0.0	
Chrysene-d12	A	4.0000	4.0	101321.8000	1.0000		0.0	
Di-n-Octylphthalate-d4	A	4.0000	4.0	149451.2000	1.0000		0.0	
Perylene-d12	A	4.0000	4.0	93469.2100	1.0000		0.0	

* Values outside of QC limits

* Values outside of QC limits

Data File: \\target\share\chem3\nt14.i\20221230B.b\NT1422123049.D

Date : 31-DEC-2022 13:17

Client ID:

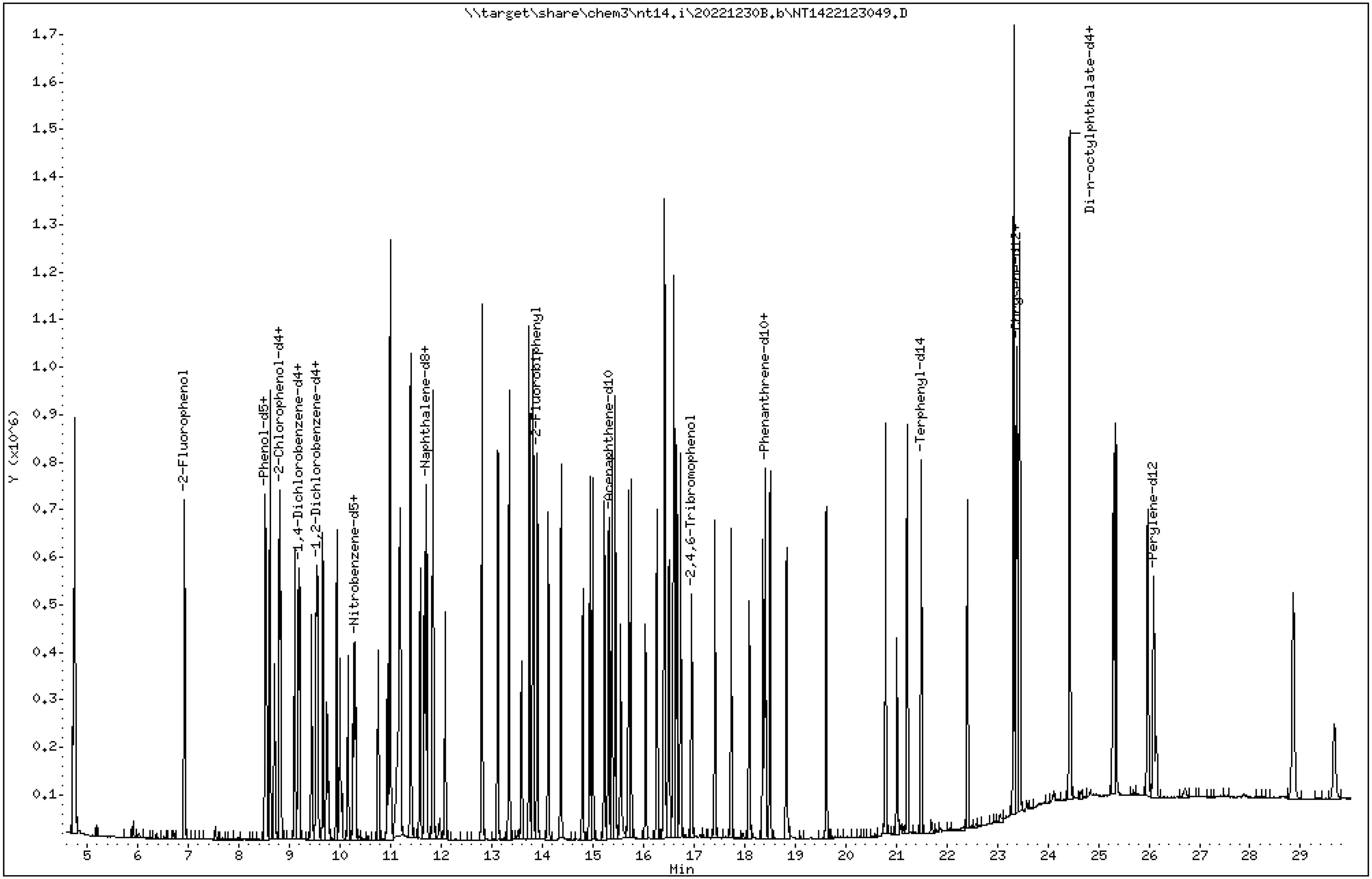
Instrument: nt14.i

Sample Info: SKL0355-ICV4

Operator: VTS

Column phase: ZB-5msi

Column diameter: 0.25



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                                  ARI Labs, Inc.

                      Semivolatile Report SW846 Method 8270D
Data file : \\target\share\chem3\nt14.i\20221230B.b\NT1422123049.D
Lab Smp Id: SKL0355-ICV4
Inj Date  : 31-DEC-2022 13:17           MS Autotune Date: 17-MAY-2011 01:22
Operator  : VTS                         Inst ID: nt14.i
Smp Info  : SKL0355-ICV4
Misc Info :
Comment   : 1ul Injection
Method    : \\target\share\chem3\nt14.i\20221230B.b\ABN.m
Meth Date : 04-Jan-2023 08:43 van       Quant Type: ISTD
Cal Date  : 30-DEC-2022 11:07           Cal File: NT1422123007.D
Als bottle: 2                           Continuing Calibration Sample
Dil Factor: 1.00000
Integrator: HP RTE                      Compound Sublist: ICAL.sub
Target Version:  4.14
Processing Host: VANS-201906


                                                                                        AMOUNTS
                                        QUANT SIG                                    CAL-AMT    ON-COL
Compounds                                 MASS           RT   EXP RT   REL RT  RESPONSE  (ug/mL)    (ug/mL)
==========================                ====         ==== ======== ======== ========  =======    =======
$   1 2-Fluorophenol                       112        6.927    6.927 (0.756)    318095  7.50000      7.385
$   2 Phenol-d5                             99        8.519    8.519 (0.929)    395282  7.50000      7.426
    3 Phenol                                94        8.542    8.542 (0.932)    282346  5.00000      4.668
$   5 2-Chlorophenol-d4                    132        8.804    8.804 (0.960)    331140  7.50000      7.408
    4 Bis(2-Chloroethyl)ether               93        8.704    8.704 (0.949)    190804  5.00000      4.580
    6 2-Chlorophenol                       128        8.835    8.835 (0.964)    231595  5.00000      4.717
    7 1,3-Dichlorobenzene                  146        9.106    9.106 (0.993)    237894  5.00000      4.570
*   8 1,4-Dichlorobenzene-d4               152        9.168    9.168 (1.000)    134439  4.00000
    9 1,4-Dichlorobenzene                  146        9.199    9.199 (1.003)    226038  5.00000      4.583
$  10 1,2-Dichlorobenzene-d4               152        9.533    9.533 (1.040)    143284  5.00000      4.690
   12 1,2-Dichlorobenzene                  146        9.564    9.564 (1.043)    222073  5.00000      4.591
   11 Benzyl alcohol                       108        9.440    9.440 (1.030)    131562  5.00000      4.886
   14 2,2'-oxybis(1-Chloropropane)         121        9.743    9.743 (1.063)     65547  5.00000      4.674(M)
   13 2-Methylphenol                       108        9.665    9.665 (1.054)    209285  5.00000      4.762
   17 Hexachloroethane                     117       10.162   10.162 (1.108)     78927  5.00000      4.351
   16 N-Nitroso-di-n-propylamine            70        9.999    9.999 (1.091)    134224  5.00000      5.014
   15 4-Methylphenol                       108        9.937    9.937 (1.084)    225216  5.00000      4.858
$  18 Nitrobenzene-d5                       82       10.270   10.270 (0.879)    211804  5.00000      5.094
   19 Nitrobenzene                          77       10.301   10.301 (0.882)    201616  5.00000      4.882
   20 Isophorone                            82       10.759   10.759 (0.921)    276273  5.00000      5.249
   21 2-Nitrophenol                        139       10.938   10.938 (0.936)    138429  5.00000      5.240
   22 2,4-Dimethylphenol                   107       10.992   10.992 (0.941)    446305  10.0000      10.36
   23 Bis(2-Chloroethoxy)methane            93       11.186   11.186 (0.958)    189375  5.00000      4.625
   24 Benzoic acid                         105       11.201   11.201 (0.959)    428307  20.0000      15.75
   25 2,4-Dichlorophenol                   162       11.403   11.403 (0.976)    379120  10.0000      10.44
   26 1,2,4-Trichlorobenzene               180       11.589   11.589 (0.992)    178031  5.00000      4.532
*  27 Naphthalene-d8                       136       11.681   11.681 (1.000)    492388  4.00000
   28 Naphthalene                          128       11.720   11.720 (1.003)    558768  5.00000      4.611
   29 4-Chloroaniline                      127       11.843   11.843 (1.014)    512381  10.0000      10.25
   30 Hexachlorobutadiene                  225       12.083   12.083 (1.034)     89975  5.00000      4.617
   31 4-Chloro-3-methylphenol              107       12.810   12.810 (1.097)    349886  10.0000      10.21
   32 2-Methylnaphthalene                  142       13.128   13.128 (1.124)    425154  5.00000      4.783
   33 Hexachlorocyclopentadiene            237       13.592   13.592 (0.887)     97972  10.0000      4.788
```

```
                                                                                           AMOUNTS
                                      QUANT SIG                                        CAL-AMT    ON-COL
Compounds                               MASS        RT   EXP RT   REL RT  RESPONSE     (ug/mL)    (ug/mL)
==========================              ====      ==== ======== ======== ========     =======    =======
   34 2,4,6-Trichlorophenol              196     13.747  13.747 (0.897)    237750     10.0000      10.52
   35 2,4,5-Trichlorophenol              196     13.824  13.824 (0.902)    261288     10.0000      10.02
$  36 2-Fluorobiphenyl                   172     13.909  13.909 (0.908)    428372     5.00000      4.707
   37 2-Chloronaphthalene                162     14.126  14.126 (0.922)    359839     5.00000      4.648
   38 2-Nitroaniline                      65     14.373  14.373 (0.938)    219409     10.0000      10.78
   39 Dimethylphthalate                  163     14.807  14.807 (0.967)    365868     5.00000      4.793
   40 Acenaphthylene                     152     15.000  15.000 (0.979)    559101     5.00000      4.736
   41 2,6-Dinitrotoluene                 165     14.946  14.946 (0.976)    173311     10.0000      10.06
*  42 Acenaphthene-d10                   164     15.318  15.318 (1.000)    270679     4.00000
   43 3-Nitroaniline                     138     15.233  15.233 (0.994)    206283     10.0000      9.852
   44 Acenaphthene                       153     15.379  15.379 (1.004)    337375     5.00000      4.608
   45 2,4-Dinitrophenol                  184     15.441  15.441 (1.008)    225574     20.0000      14.90
   46 Dibenzofuran                       168     15.712  15.712 (1.026)    505439     5.00000      4.603
   47 4-Nitrophenol                      109     15.549  15.549 (1.015)     90870     10.0000      8.888
   48 2,4-Dinitrotoluene                 165     15.758  15.758 (1.029)    232528     10.0000      9.838
   50 Diethylphthalate                   149     16.268  16.268 (1.062)    533829     5.00000      5.145
   49 Fluorene                           166     16.423  16.423 (1.072)    594177     5.00000      5.087
   51 4-Chlorophenyl-phenylether         204     16.415  16.415 (1.072)    273789     5.00000      4.788
   52 4-Nitroaniline                     138     16.508  16.508 (1.078)    239502     10.0000      9.301
   53 4,6-Dinitro-2-methylphenol         198     16.608  16.608 (0.904)    321950     20.0000      17.18
   54 N-Nitrosodiphenylamine             169     16.662  16.662 (0.907)    349767     5.00000      4.745
$  55 2,4,6-Tribromophenol               330     16.963  16.963 (1.107)     90863     7.50000      6.905
   56 4-Bromophenyl-phenylether          248     17.418  17.418 (0.948)    131864     5.00000      4.724
   57 Hexachlorobenzene                  284     17.742  17.742 (0.966)    139095     5.00000      4.541
   58 Pentachlorophenol                  266     18.098  18.098 (0.985)     93628     10.0000      6.821
*  59 Phenanthrene-d10                   188     18.369  18.369 (1.000)    429616     4.00000
   60 Phenanthrene                       178     18.415  18.415 (1.003)    506260     5.00000      4.520
   61 Anthracene                         178     18.508  18.508 (1.008)    517858     5.00000      4.843
   62 Carbazole                          167     18.833  18.833 (1.025)    484136     5.00000      4.683
   63 Di-n-butylphthalate                149     19.622  19.622 (1.068)    608900     5.00000      5.007
   64 Fluoranthene                       202     20.798  20.798 (0.889)    562690     5.00000      4.647
   65 Pyrene                             202     21.224  21.224 (0.907)    581038     5.00000      4.564
$  66 Terphenyl-d14                      244     21.495  21.495 (0.918)    400723     5.00000      4.439
   67 Butylbenzylphthalate               149     22.416  22.416 (0.958)    247254     5.00000      5.058
   68 Benzo(a)anthracene                 228     23.376  23.376 (0.999)    543234     5.00000      4.769
*  69 Chrysene-d12                       240     23.407  23.407 (1.000)    376030     4.00000
   70 3,3'-Dichlorobenzidine             252     23.330  23.330 (0.997)    589803     15.0000      16.91
   71 Chrysene                           228     23.454  23.454 (1.002)    492682     5.00000      4.579
   72 bis(2-Ethylhexyl)phthalate         149     23.438  23.438 (0.959)    353144     5.00000      5.011
* 134 Di-n-octylphthalate-d4             153     24.429  24.429 (1.000)    634628     4.00000
   73 Di-n-octylphthalate                149     24.437  24.437 (1.000)    665451     5.00000      4.368
   74 Benzo(b)fluoranthene               252     25.304  25.304 (0.970)    517739     5.00000      4.900
   75 Benzo(k)fluoranthene               252     25.343  25.343 (0.971)    579041     5.00000      5.384
   76 Benzo(a)pyrene                     252     25.978  25.978 (0.996)    445897     5.00000      5.076
*  77 Perylene-d12                       264     26.094  26.094 (1.000)    336225     4.00000
   78 Indeno(1,2,3-cd)pyrene             276     28.854  28.854 (1.106)    316385     5.00000      3.168
   79 Dibenzo(a,h)anthracene             278     28.861  28.861 (1.106)    286372     5.00000      3.375
   80 Benzo(g,h,i)perylene               276     29.669  29.669 (1.137)    210520     5.00000      2.517
   90 N-Nitrosodimethylamine              74      4.726   4.726 (0.516)    283127     10.0000      9.545
   91 Aniline                            93      8.619   8.619 (0.940)    558976     10.0000      9.492
   93 Benzidine                          184     21.015  21.015 (0.898)    282018     10.0000      5.976
  103 Pyridine                            79      4.757   4.757 (0.519)    444965     5.00000      4.721
  105 1-methylnaphthalene                142     13.352  13.352 (1.143)    411173     5.00000      4.814
  111 Azobenzene (1,2-DP-Hydrazine)       77     16.739  16.739 (1.093)    492427     5.00000      4.899
```

```
                                                                                                 AMOUNTS
                                     QUANT SIG                                               CAL-AMT    ON-COL
Compounds                              MASS          RT    EXP RT   REL RT  RESPONSE        (ug/mL)    (ug/mL)
==========================             ====        ==== ======== ======== ========        =======    =======
  187 Total Benzofluoranthenes          252      25.343  25.343 (0.971)    1045858        10.0000      10.24
  120 2,3,4,6-Tetrachlorophenol         232      16.044  16.044 (1.047)      87129        5.00000      4.408
```

QC Flag Legend

M - Compound response manually integrated.

Data File: \\target\share\chem3\nt14.i\20221230B.b\NT1422123049.D Page 1
Report Date: 04-Jan-2023 12:19

ARI Labs, Inc.

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: nt14.i
Lab File ID: NT1422123049.D
Lab Smp Id: SKL0355-ICV4
Analysis Type: SV
Quant Type: ISTD
Operator: VTS
Method File: \\target\share\chem3\nt14.i\20221230B.b\ABN.m
Misc Info:

Calibration Date: 30-DEC-2022
Calibration Time: 08:06
Level:
Sample Type:

Test Mode:
Use Last Continuing Calibrator.

		AREA LIMIT			
COMPOUND	STANDARD	LOWER	UPPER	SAMPLE	%DIFF
8 1,4-Dichlorobenze	134439	67220	268878	134439	0.00
27 Naphthalene-d8	492388	246194	984776	492388	0.00
42 Acenaphthene-d10	270679	135340	541358	270679	0.00
59 Phenanthrene-d10	429616	214808	859232	429616	0.00
69 Chrysene-d12	376030	188015	752060	376030	0.00
134 Di-n-octylphthala	634628	317314	1269256	634628	0.00
77 Perylene-d12	336225	168113	672450	336225	0.00

		RT LIMIT			
COMPOUND	STANDARD	LOWER	UPPER	SAMPLE	%DIFF
8 1,4-Dichlorobenze	9.17	8.67	9.67	9.17	0.00
27 Naphthalene-d8	11.68	11.18	12.18	11.68	0.00
42 Acenaphthene-d10	15.32	14.82	15.82	15.32	0.00
59 Phenanthrene-d10	18.37	17.87	18.87	18.37	0.00
69 Chrysene-d12	23.41	22.91	23.91	23.41	0.00
134 Di-n-octylphthala	24.43	23.93	24.93	24.43	0.00
77 Perylene-d12	26.09	25.59	26.59	26.09	0.00

AREA UPPER LIMIT = +100% of internal standard area.
AREA LOWER LIMIT = - 50% of internal standard area.
RT UPPER LIMIT = + 0.50 minutes of internal standard RT.
RT LOWER LIMIT = - 0.50 minutes of internal standard RT.

```
REVIEW SUMMARY FOR FILE - NT1422123049.D

Lab ID: SKL0355-ICV4
nt14.i,  20221230B.b\ABN.m,    31-DEC-2022 13:17


     RT      CO-ELUTION COMPOUNDS
---------------------------------------------------------------------------

            NO CO-ELUTIONS



Quant Method: ICAL




        RRT CHECK

   RRT    CCV RRT   DELTA    COMPOUND
 -------------------------------------

   NONE

No RRT check.  Ccal file.



 On Column LOD for nt14.i, 20221230B.b\ABN.m, ICAL.sub = 0.0000

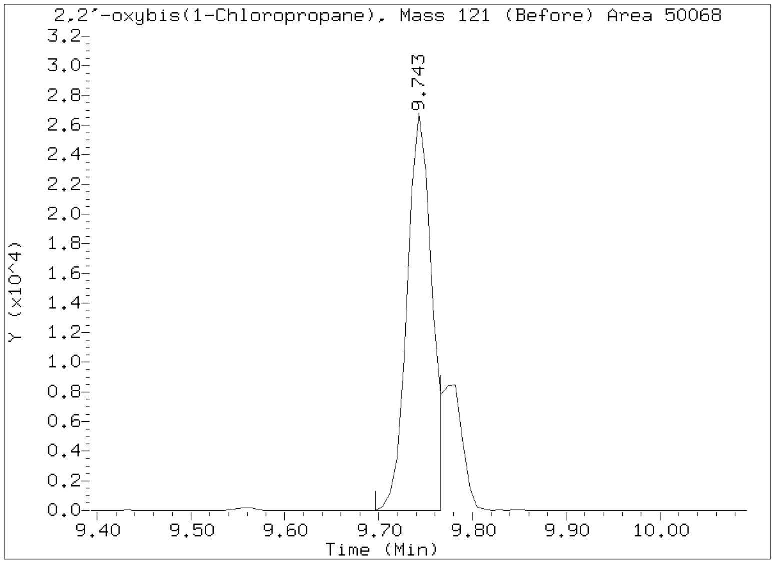


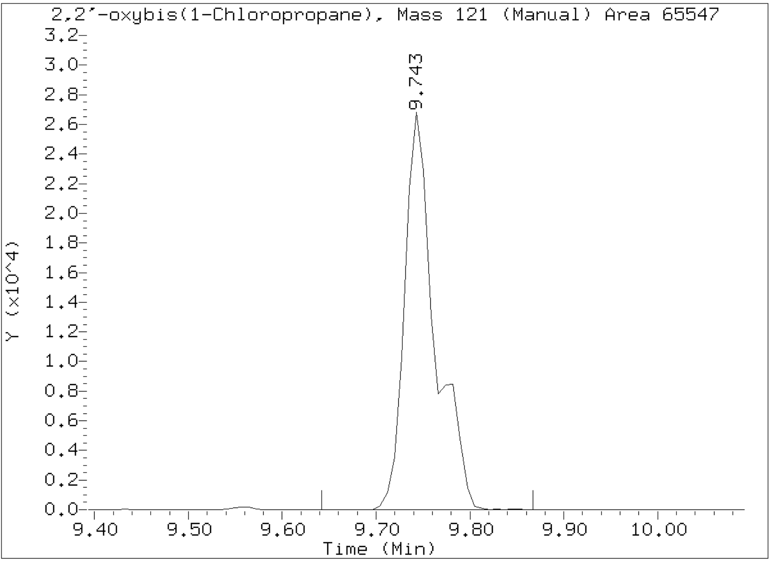

 * Only compounds listed in the work order have been verified by the analyst *
```

Quant Ion Manual Peak Adjustment Report

Datafile: //target/share/chem3/nt14.i/20221230B.b/NT1422123049.D
Injection Date: 31-DEC-2022 13:17
Lab ID:SKL0355-ICV4 Client ID:
Report Date: 01/04/2023 12:19

REVIEWED
By Brian Bebee
01/07/2023 @ 06:32 PM


2,2´-oxybis(1-Chloropropane), Mass 121 (Before) Area 50068


2,2´-oxybis(1-Chloropropane), Mass 121 (Manual) Area 65547

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Q-FLAG SUMMARY FOR DATABATCH - \\target\share\chem3\nt14.i\20221230B.b

Instrument: nt14.i   Date: 31-DEC-2022   Method: 20221230B.b\ABN.m


 INITIAL CAL: 30-DEC-2022

  Compound                 %RSD or R^2
-----------------------------------------
 NO Q-FLAGS
-----------------------------------------



 ICV CAL: NT1422123049.D   31-DEC-2022 13:17

  Compound                       %D
-----------------------------------------
 Benzoic acid                  -21.2
 Hexachlorocyclopentadiene     -52.1
 2,4-Dinitrophenol             -25.5
 Pentachlorophenol             -31.8
 Indeno(1,2,3-cd)pyrene        -36.6
 Dibenzo(a,h)anthracene        -32.5
 Benzo(g,h,i)perylene          -49.7
 Benzidine                     -40.2
-----------------------------------------
```

INITIAL CALIBRATION CHECK

EPA 8270E

Laboratory: Analytical Resources, LLC

Client: Anchor QEA, LLC

Instrument ID: NT14

Lab File ID: NT1422123066.D

Sequence: SKL0355

Lab Sample ID: SKL0355-ICV5

Sequence Name: ABN 5

SDG: 22L0307

Project: AOC4 UR Phase 3

Calibration: FL00066

Calibration Date: 12/30/2022

Injection Date: 12/31/22

Injection Time: 23:30

		CONC. (ug/mL)		RESPONSE FACTOR			% DRIFT/DIFF	
COMPOUND	TYPE	STD	ICV	ICAL	ICV	MIN	ICV	LIMIT
Phenol	A	5.0000	4.6	1.7995200	1.6541100		-8.1	+/-20
bis(2-chloroethyl) ether	A	5.0000	4.5	1.2396270	1.1273220		-9.1	+/-20
2-Chlorophenol	A	5.0000	4.7	1.4607190	1.3644940		-6.6	+/-20
1,3-Dichlorobenzene	A	5.0000	4.6	1.5489360	1.4214870		-8.2	+/-20
1,4-Dichlorobenzene	A	5.0000	4.6	1.4674070	1.3397200		-8.7	+/-20
1,2-Dichlorobenzene	A	5.0000	4.6	1.4391100	1.3209120		-8.2	+/-20
Benzyl Alcohol	A	5.0000	4.8	0.8011083	0.7636251		-4.7	+/-20
2,2'-Oxybis(1-chloropropane)	A	5.0000	4.3	0.4172325	0.3591366		-13.9	+/-20
2-Methylphenol	A	5.0000	4.7	1.3076140	1.2332530		-5.7	+/-20
Hexachloroethane	A	5.0000	4.4	0.5396966	0.4729199		-12.4	+/-20
N-Nitroso-di-n-Propylamine	A	5.0000	5.0	0.7965591	0.7933696		-0.4	+/-20
4-Methylphenol	A	5.0000	4.8	1.3794240	1.3205430		-4.3	+/-20
Nitrobenzene	A	5.0000	4.9	0.3354574	0.3301455		-1.6	+/-20
Isophorone	A	5.0000	5.3	0.4275424	0.4545998		6.3	+/-20
2-Nitrophenol	A	5.0000	5.4	0.2064997	0.2310454		7.5	+/-20
2,4-Dimethylphenol	A	10.000	9.5	0.3501131	0.3342418		-4.5	+/-20
Bis(2-Chloroethoxy)methane	A	5.0000	4.7	0.3325989	0.3094664		-7.0	+/-20
2,4-Dichlorophenol	A	10.000	10.4	0.2951237	0.3075498		4.2	+/-20
1,2,4-Trichlorobenzene	A	5.0000	4.5	0.3191088	0.2880378		-9.7	+/-20
Naphthalene	A	5.0000	4.6	0.9843833	0.8996040		-8.6	+/-20
Benzoic acid	A	20.000	15.0	0.1508906	0.1657042		-24.9	+/-20 *
4-Chloroaniline	A	10.000	9.4	0.4059568	0.3830169		-5.7	+/-20
Hexachlorobutadiene	A	5.0000	4.7	0.1583286	0.1502550		-5.1	+/-20
4-Chloro-3-Methylphenol	A	10.000	10.3	0.2785027	0.2866657		2.9	+/-20
2-Methylnaphthalene	A	5.0000	4.8	0.7220739	0.6972628		-3.4	+/-20
Hexachlorocyclopentadiene	A	10.000	5.0	0.3023695	0.1518054		-49.8	+/-20 *
2,4,6-Trichlorophenol	A	10.000	10.4	0.3338641	0.3460067		3.6	+/-20
2,4,5-Trichlorophenol	A	10.000	10.0	0.3853234	0.3854916		0.0	+/-20
2-Chloronaphthalene	A	5.0000	4.7	1.1441150	1.0645600		-7.0	+/-20
2-Nitroaniline	A	10.000	10.9	0.3007956	0.3273099		8.8	+/-20

* Values outside of QC limits

INITIAL CALIBRATION CHECK

EPA 8270E

Laboratory: Analytical Resources, LLC
Client: Anchor QEA, LLC
Instrument ID: NT14
Lab File ID: NT1422123066.D
Sequence: SKL0355
Lab Sample ID: SKL0355-ICV5
Sequence Name: ABN 5

SDG: 22L0307
Project: AOC4 UR Phase 3
Calibration: FL00066
Calibration Date: 12/30/2022
Injection Date: 12/31/22
Injection Time: 23:30

		CONC. (ug/mL)		RESPONSE FACTOR			% DRIFT/DIFF	
COMPOUND	TYPE	STD	ICV	ICAL	ICV	MIN	ICV	LIMIT
Acenaphthylene	A	5.0000	4.8	1.7445240	1.6645010		-4.6	+/-20
Dimethylphthalate	A	5.0000	4.8	1.1280520	1.0867640		-3.7	+/-20
2,6-Dinitrotoluene	A	10.000	10.1	0.2545771	0.2579856		1.3	+/-20
Acenaphthene	A	5.0000	4.6	1.0820160	1.0009870		-7.5	+/-20
3-Nitroaniline	A	10.000	9.7	0.3094189	0.2995328		-3.2	+/-20
2,4-Dinitrophenol	A	20.000	10.4	0.1831718	0.1152467		-48.0	+/-20 *
Dibenzofuran	A	5.0000	4.6	1.6225950	1.4878950		-8.3	+/-20
4-Nitrophenol	A	10.000	8.6	0.1384031	0.1290829		-14.5	+/-20
2,4-Dinitrotoluene	A	10.000	9.9	0.3492859	0.3462479		-0.9	+/-20
Fluorene	A	5.0000	5.1	1.7261350	1.7759490		2.9	+/-20
4-Chlorophenylphenyl ether	A	5.0000	4.9	0.8450792	0.8294615		-1.8	+/-20
Diethyl phthalate	A	5.0000	5.3	1.5332690	1.6189800		5.6	+/-20
4-Nitroaniline	A	10.000	8.9	0.3413732	0.3375193		-11.2	+/-20
4,6-Dinitro-2-methylphenol	A	20.000	14.2	0.1530278	0.1232685		-28.9	+/-20 *
N-Nitrosodiphenylamine	A	5.0000	4.7	0.6863845	0.6402818		-6.7	+/-20
4-Bromophenyl phenyl ether	A	5.0000	4.7	0.2599074	0.2438656		-6.2	+/-20
Hexachlorobenzene	A	5.0000	4.5	0.2852204	0.2582537		-9.5	+/-20
Pentachlorophenol	A	10.000	4.9	0.1128364	0.0625034		-50.6	+/-20 *
Phenanthrene	A	5.0000	4.5	1.0429190	0.9401257		-9.9	+/-20
Anthracene	A	5.0000	4.8	0.9956202	0.9631939		-3.3	+/-20
Carbazole	A	5.0000	4.6	0.9624945	0.8907934		-7.4	+/-20
Di-n-Butylphthalate	A	5.0000	5.2	1.0394700	1.1725880		3.4	+/-20
Fluoranthene	A	5.0000	4.6	1.2879410	1.1939660		-7.3	+/-20
Pyrene	A	5.0000	4.5	1.3541610	1.2193400		-10.0	+/-20
Butylbenzylphthalate	A	5.0000	5.2	0.4650792	0.5450507		4.7	+/-20
Benzo(a)anthracene	A	5.0000	4.7	1.2117210	1.1489750		-5.2	+/-20
3,3'-Dichlorobenzidine	A	15.000	16.8	0.3709370	0.4155321		12.0	+/-20
Chrysene	A	5.0000	4.6	1.1445730	1.0527600		-8.0	+/-20
bis(2-Ethylhexyl)phthalate	A	5.0000	4.9	0.4442323	0.4386889		-1.2	+/-20
Di-n-Octylphthalate	A	5.0000	4.3	0.9601702	0.8345177		-13.1	+/-20

* Values outside of QC limits

Analytical Resources, LLC
Analytical Chemists and Consultants

INITIAL CALIBRATION CHECK

EPA 8270E

Laboratory: Analytical Resources, LLC

Client: Anchor QEA, LLC

Instrument ID: NT14

Lab File ID: NT1422123066.D

Sequence: SKL0355

Lab Sample ID: SKL0355-ICV5

Sequence Name: ABN 5

SDG: 22L0307

Project: AOC4 UR Phase 3

Calibration: FL00066

Calibration Date: 12/30/2022

Injection Date: 12/31/22

Injection Time: 23:30

		CONC. (ug/mL)		RESPONSE FACTOR			% DRIFT/DIFF	
COMPOUND	TYPE	STD	ICV	ICAL	ICV	MIN	ICV	LIMIT
Benzofluoranthenes, Total	A	10.000	10.3	1.2153330	1.2538490		3.2	+/-20
Benzo(a)pyrene	A	5.0000	5.1	1.0450150	1.0608340		1.5	+/-20
Indeno(1,2,3-cd)pyrene	A	5.0000	2.9	1.1879490	0.6828509		-42.5	+/-20 *
Dibenzo(a,h)anthracene	A	5.0000	3.0	1.0094890	0.6136830		-39.2	+/-20 *
Benzo(g,h,i)perylene	A	5.0000	2.2	0.9951726	0.4471983		-55.1	+/-20 *
1-Methylnaphthalene	A	5.0000	4.9	0.6937882	0.6757147		-2.6	+/-20
2-Fluorophenol	A	7.5000	7.34	1.2814900	1.2547510		-2.1	+/-20
Phenol-d5	A	7.5000	7.34	1.5836890	1.5508350		-2.1	+/-20
2-Chlorophenol-d4	A	7.5000	7.38	1.3300510	1.3086010		-1.6	+/-20
1,2-Dichlorobenzene-d4	A	5.0000	4.68	0.9090592	0.8508292		-6.4	+/-20
Nitrobenzene-d5	A	5.0000	5.19	0.3377760	0.3507210		3.8	+/-20
2-Fluorobiphenyl	A	5.0000	4.77	1.3448860	1.2835680		-4.6	+/-20
2,4,6-Tribromophenol	A	7.5000	6.70	0.1844845	0.1733623		-10.7	+/-20
p-Terphenyl-d14	A	5.0000	4.34	0.9601842	0.8338715		-13.2	+/-20
1,4-Dichlorobenzene-d4	A	4.0000	4.0	37290.1800	1.0000		0.0	
Naphthalene-d8	A	4.0000	4.0	136223.9000	1.0000		0.0	
Acenaphthene-d10	A	4.0000	4.0	73667.8600	1.0000		0.0	
Phenanthrene-d10	A	4.0000	4.0	117990.4000	1.0000		0.0	
Chrysene-d12	A	4.0000	4.0	101321.8000	1.0000		0.0	
Di-n-Octylphthalate-d4	A	4.0000	4.0	149451.2000	1.0000		0.0	
Perylene-d12	A	4.0000	4.0	93469.2100	1.0000		0.0	

* Values outside of QC limits

Data File: \\target\share\chem3\nt14.i\20221230C.b\NT1422123066.D

Date : 31-DEC-2022 23:30

Client ID:

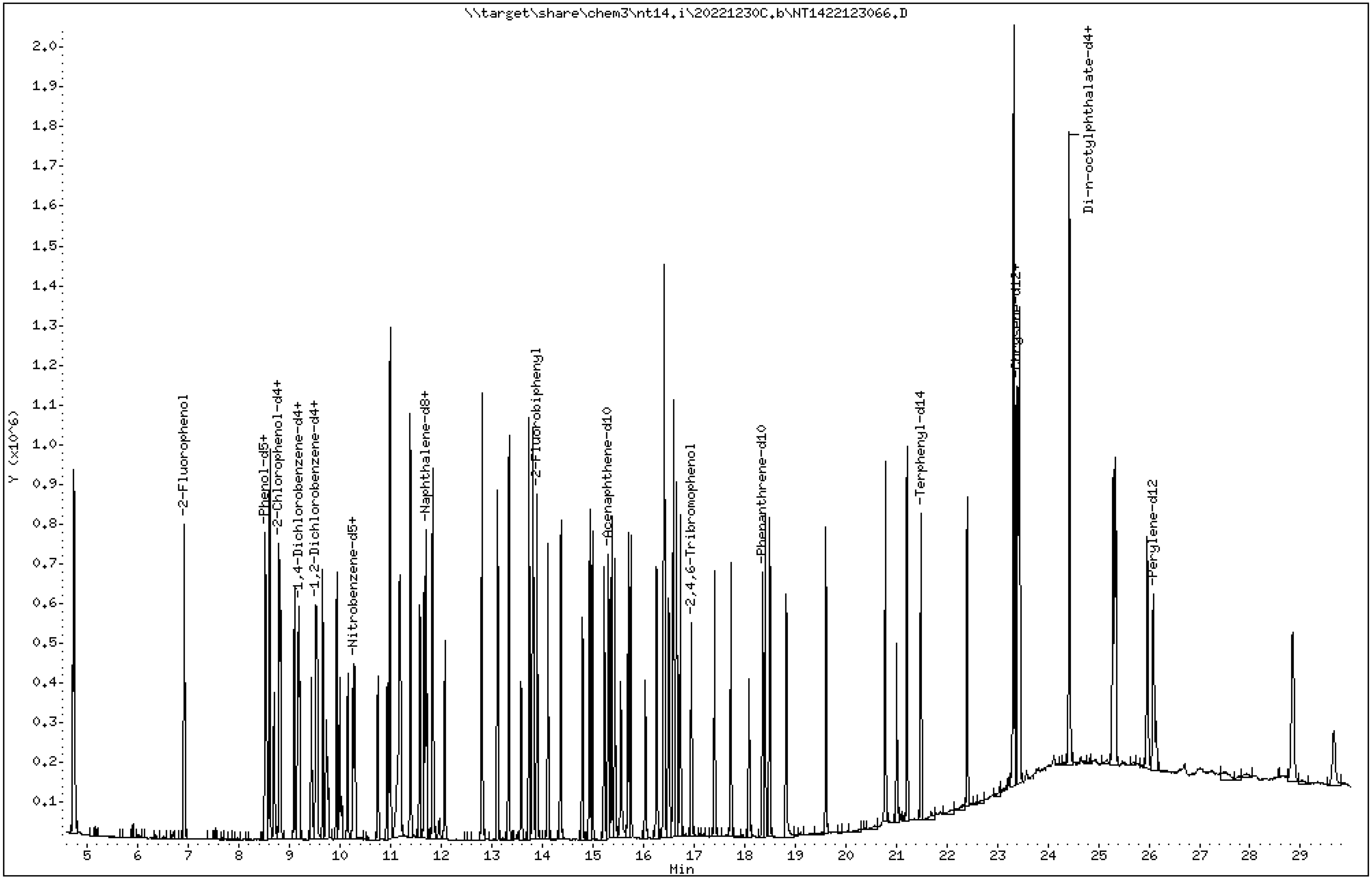
Instrument: nt14.i

Sample Info: SKL0355-ICV5

Operator: VTS

Column phase: ZB-5msi

Column diameter: 0.25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                                ARI Labs, Inc.

                   Semivolatile Report SW846 Method 8270D
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Lab Smp Id: SKL0355-ICV5
Inj Date  : 31-DEC-2022 23:30            MS Autotune Date: 17-MAY-2011 01:22
Operator  : VTS                          Inst ID: nt14.i
Smp Info  : SKL0355-ICV5
Misc Info :
Comment   : 1ul Injection
Method    : \\target\share\chem3\nt14.i\20221230C.b\ABN.m
Meth Date : 04-Jan-2023 09:32 van        Quant Type: ISTD
Cal Date  : 30-DEC-2022 11:07            Cal File: NT1422123007.D
Als bottle: 2                            Continuing Calibration Sample
Dil Factor: 1.00000
Integrator: HP RTE                       Compound Sublist: ICAL.sub
Target Version:  4.14
Processing Host: VANS-201906


                                                                                          AMOUNTS
                                      QUANT SIG                                       CAL-AMT    ON-COL
Compounds                               MASS          RT    EXP RT   REL RT  RESPONSE  (ug/mL)    (ug/mL)
==========================              ====        ==== ======== ======== ========   =======    =======
$   1 2-Fluorophenol                     112        6.919    6.919 (0.755)    326443   7.50000      7.344
$   2 Phenol-d5                           99        8.519    8.519 (0.930)    403474   7.50000      7.344
    3 Phenol                              94        8.542    8.542 (0.932)    286895   5.00000      4.596
$   5 2-Chlorophenol-d4                  132        8.797    8.797 (0.960)    340453   7.50000      7.379
    4 Bis(2-Chloroethyl)ether             93        8.696    8.696 (0.949)    195527   5.00000      4.547
    6 2-Chlorophenol                     128        8.827    8.827 (0.964)    236663   5.00000      4.671
    7 1,3-Dichlorobenzene                146        9.098    9.098 (0.993)    246548   5.00000      4.589
*   8 1,4-Dichlorobenzene-d4             152        9.160    9.160 (1.000)    138755   4.00000
    9 1,4-Dichlorobenzene                146        9.191    9.191 (1.003)    232366   5.00000      4.565
$  10 1,2-Dichlorobenzene-d4             152        9.525    9.525 (1.040)    147571   5.00000      4.680
   12 1,2-Dichlorobenzene                146        9.556    9.556 (1.043)    229104   5.00000      4.589
   11 Benzyl alcohol                     108        9.440    9.440 (1.030)    132446   5.00000      4.766
   14 2,2'-oxybis(1-Chloropropane)       121        9.735    9.735 (1.063)     62290   5.00000      4.304(M)
   13 2-Methylphenol                     108        9.665    9.665 (1.055)    213900   5.00000      4.716
   17 Hexachloroethane                   117       10.154   10.154 (1.108)     82025   5.00000      4.381
   16 N-Nitroso-di-n-propylamine          70        9.998    9.998 (1.092)    137605   5.00000      4.980
   15 4-Methylphenol                     108        9.936    9.936 (1.085)    229040   5.00000      4.787
$  18 Nitrobenzene-d5                     82       10.262   10.262 (0.879)    219956   5.00000      5.192
   19 Nitrobenzene                        77       10.301   10.301 (0.882)    207052   5.00000      4.921
   20 Isophorone                          82       10.751   10.751 (0.921)    285104   5.00000      5.316
   21 2-Nitrophenol                      139       10.937   10.937 (0.937)    144901   5.00000      5.376
   22 2,4-Dimethylphenol                 107       10.992   10.992 (0.942)    419242   10.0000      9.547
   23 Bis(2-Chloroethoxy)methane          93       11.186   11.186 (0.958)    194083   5.00000      4.652
   24 Benzoic acid                       105       11.209   11.209 (0.960)    415688   20.0000      15.03
   25 2,4-Dichlorophenol                 162       11.395   11.395 (0.976)    385762   10.0000      10.42
   26 1,2,4-Trichlorobenzene             180       11.581   11.581 (0.992)    180644   5.00000      4.513
*  27 Naphthalene-d8                     136       11.673   11.673 (1.000)    501723   4.00000
   28 Naphthalene                        128       11.712   11.712 (1.003)    564190   5.00000      4.569
   29 4-Chloroaniline                    127       11.835   11.835 (1.014)    480421   10.0000      9.435
   30 Hexachlorobutadiene                225       12.075   12.075 (1.034)     94233   5.00000      4.745
   31 4-Chloro-3-methylphenol            107       12.810   12.810 (1.097)    359567   10.0000      10.29
   32 2-Methylnaphthalene                142       13.120   13.120 (1.124)    437291   5.00000      4.828
   33 Hexachlorocyclopentadiene          237       13.584   13.584 (0.887)    104455   10.0000      5.021
```

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Data File: \\target\share\chem3\nt14.i\20221230C.b\NT1422123066.D Page 2
Report Date: 04-Jan-2023 14:23


                                                                                           AMOUNTS
                                      QUANT SIG                                        CAL-AMT    ON-COL
Compounds                               MASS          RT    EXP RT   REL RT  RESPONSE   (ug/mL)    (ug/mL)
==========================              ====         ====  ======== ======== ========   =======    =======
   34 2,4,6-Trichlorophenol              196        13.739  13.739 (0.897)     238082   10.0000      10.36
   35 2,4,5-Trichlorophenol              196        13.816  13.816 (0.902)     265251   10.0000      10.00
$  36 2-Fluorobiphenyl                   172        13.901  13.901 (0.908)     441602   5.00000      4.772
   37 2-Chloronaphthalene                162        14.118  14.118 (0.922)     366254   5.00000      4.652
   38 2-Nitroaniline                      65        14.373  14.373 (0.939)     225217   10.0000      10.88
   39 Dimethylphthalate                  163        14.799  14.799 (0.967)     373893   5.00000      4.817
   40 Acenaphthylene                     152        14.993  14.993 (0.979)     572659   5.00000      4.771
   41 2,6-Dinitrotoluene                 165        14.938  14.938 (0.976)     177516   10.0000      10.13
*  42 Acenaphthene-d10                   164        15.310  15.310 (1.000)     275234   4.00000
   43 3-Nitroaniline                     138        15.225  15.225 (0.994)     206104   10.0000      9.680
   44 Acenaphthene                       153        15.371  15.371 (1.004)     344382   5.00000      4.626
   45 2,4-Dinitrophenol                  184        15.441  15.441 (1.009)     158599   20.0000      10.41
   46 Dibenzofuran                       168        15.704  15.704 (1.026)     511899   5.00000      4.585
   47 4-Nitrophenol                      109        15.557  15.557 (1.016)      88820   10.0000      8.550
   48 2,4-Dinitrotoluene                 165        15.750  15.750 (1.029)     238248   10.0000      9.913
   50 Diethylphthalate                   149        16.268  16.268 (1.063)     556998   5.00000      5.280
   49 Fluorene                           166        16.423  16.423 (1.073)     611002   5.00000      5.144
   51 4-Chlorophenyl-phenylether         204        16.407  16.407 (1.072)     285370   5.00000      4.908
   52 4-Nitroaniline                     138        16.500  16.500 (1.078)     232242   10.0000      8.879
   53 4,6-Dinitro-2-methylphenol         198        16.600  16.600 (0.904)     271243   20.0000      14.23
   54 N-Nitrosodiphenylamine             169        16.654  16.654 (0.907)     352223   5.00000      4.664
$  55 2,4,6-Tribromophenol               330        16.955  16.955 (1.107)      89466   7.50000      6.695
   56 4-Bromophenyl-phenylether          248        17.410  17.410 (0.948)     134152   5.00000      4.691
   57 Hexachlorobenzene                  284        17.734  17.734 (0.966)     142067   5.00000      4.527
   58 Pentachlorophenol                  266        18.090  18.090 (0.985)      68767   10.0000      4.939
*  59 Phenanthrene-d10                   188        18.361  18.361 (1.000)     440085   4.00000
   60 Phenanthrene                       178        18.408  18.408 (1.003)     517169   5.00000      4.507
   61 Anthracene                         178        18.500  18.500 (1.008)     529859   5.00000      4.837
   62 Carbazole                          167        18.825  18.825 (1.025)     490031   5.00000      4.628
   63 Di-n-butylphthalate                149        19.614  19.614 (1.068)     645048   5.00000      5.171
   64 Fluoranthene                       202        20.791  20.791 (0.889)     574290   5.00000      4.635
   65 Pyrene                             202        21.216  21.216 (0.907)     586495   5.00000      4.502
$  66 Terphenyl-d14                      244        21.495  21.495 (0.919)     401087   5.00000      4.342
   67 Butylbenzylphthalate               149        22.408  22.408 (0.958)     262166   5.00000      5.237
   68 Benzo(a)anthracene                 228        23.376  23.376 (0.999)     552650   5.00000      4.741
*  69 Chrysene-d12                       240        23.399  23.399 (1.000)     384795   4.00000
   70 3,3'-Dichlorobenzidine             252        23.322  23.322 (0.997)     599605   15.0000      16.80
   71 Chrysene                           228        23.446  23.446 (1.002)     506371   5.00000      4.599
   72 bis(2-Ethylhexyl)phthalate         149        23.430  23.430 (0.959)     369886   5.00000      4.938
* 134 Di-n-octylphthalate-d4             153        24.421  24.421 (1.000)     674530   4.00000
   73 Di-n-octylphthalate                149        24.429  24.429 (1.000)     703634   5.00000      4.346
   74 Benzo(b)fluoranthene               252        25.296  25.296 (0.970)     566281   5.00000      5.352
   75 Benzo(k)fluoranthene               252        25.335  25.335 (0.971)     539859   5.00000      5.013
   76 Benzo(a)pyrene                     252        25.970  25.970 (0.996)     446432   5.00000      5.076
*  77 Perylene-d12                       264        26.086  26.086 (1.000)     336665   4.00000
   78 Indeno(1,2,3-cd)pyrene             276        28.838  28.838 (1.105)     287365   5.00000      2.874
   79 Dibenzo(a,h)anthracene             278        28.853  28.853 (1.106)     258257   5.00000      3.040
   80 Benzo(g,h,i)perylene               276        29.653  29.653 (1.137)     188195   5.00000      2.247
   90 N-Nitrosodimethylamine              74         4.718   4.718 (0.515)     284104   10.0000      9.280
   91 Aniline                             93         8.611   8.611 (0.940)     567250   10.0000      9.333
   93 Benzidine                          184        21.015  21.015 (0.898)     298846   10.0000      6.182
  103 Pyridine                            79         4.741   4.741 (0.518)     450863   5.00000      4.635
  105 1-methylnaphthalene                142        13.344  13.344 (1.143)     423777   5.00000      4.870
  111 Azobenzene (1,2-DP-Hydrazine)       77        16.731  16.731 (1.093)     503446   5.00000      4.926
```

```
                                                                                             AMOUNTS
                                      QUANT SIG                                          CAL-AMT    ON-COL
Compounds                               MASS           RT   EXP RT   REL RT  RESPONSE    (ug/mL)    (ug/mL)
==========================              ====          ==== ======== ======== ========    =======    =======
  187 Total Benzofluoranthenes           252        25.335  25.335 (0.971)    1055318    10.0000      10.32
  120 2,3,4,6-Tetrachlorophenol          232        16.044  16.044 (1.048)      82302    5.00000      4.106
```

QC Flag Legend

M - Compound response manually integrated.

Data File: \\target\share\chem3\nt14.i\20221230C.b\NT1422123066.D Page 1
Report Date: 04-Jan-2023 14:23

ARI Labs, Inc.

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: nt14.i
Lab File ID: NT1422123066.D
Lab Smp Id: SKL0355-ICV5
Analysis Type: SV
Quant Type: ISTD
Operator: VTS
Method File: \\target\share\chem3\nt14.i\20221230C.b\ABN.m
Misc Info:

Calibration Date: 30-DEC-2022
Calibration Time: 08:06
Level:
Sample Type:

Test Mode:
Use Last Continuing Calibrator.

		AREA LIMIT			
COMPOUND	STANDARD	LOWER	UPPER	SAMPLE	%DIFF
8 1,4-Dichlorobenze	138755	69378	277510	138755	0.00
27 Naphthalene-d8	501723	250862	1003446	501723	0.00
42 Acenaphthene-d10	275234	137617	550468	275234	0.00
59 Phenanthrene-d10	440085	220043	880170	440085	0.00
69 Chrysene-d12	384795	192398	769590	384795	0.00
134 Di-n-octylphthala	674530	337265	1349060	674530	0.00
77 Perylene-d12	336665	168333	673330	336665	0.00

		RT LIMIT			
COMPOUND	STANDARD	LOWER	UPPER	SAMPLE	%DIFF
8 1,4-Dichlorobenze	9.16	8.66	9.66	9.16	0.00
27 Naphthalene-d8	11.67	11.17	12.17	11.67	0.00
42 Acenaphthene-d10	15.31	14.81	15.81	15.31	0.00
59 Phenanthrene-d10	18.36	17.86	18.86	18.36	0.00
69 Chrysene-d12	23.40	22.90	23.90	23.40	0.00
134 Di-n-octylphthala	24.42	23.92	24.92	24.42	0.00
77 Perylene-d12	26.09	25.59	26.59	26.09	0.00

AREA UPPER LIMIT = +100% of internal standard area.
AREA LOWER LIMIT = - 50% of internal standard area.
RT UPPER LIMIT = + 0.50 minutes of internal standard RT.
RT LOWER LIMIT = - 0.50 minutes of internal standard RT.

```
REVIEW SUMMARY FOR FILE - NT1422123066.D

Lab ID: SKL0355-ICV5
nt14.i,  20221230C.b\ABN.m,    31-DEC-2022 23:30


     RT      CO-ELUTION COMPOUNDS
-----------------------------------------------------------------------------

            NO CO-ELUTIONS


Quant Method: ICAL



        RRT CHECK

   RRT    CCV RRT   DELTA    COMPOUND
 -------------------------------------

   NONE

No RRT check.  Ccal file.


 On Column LOD for nt14.i, 20221230C.b\ABN.m, ICAL.sub = 0.0000

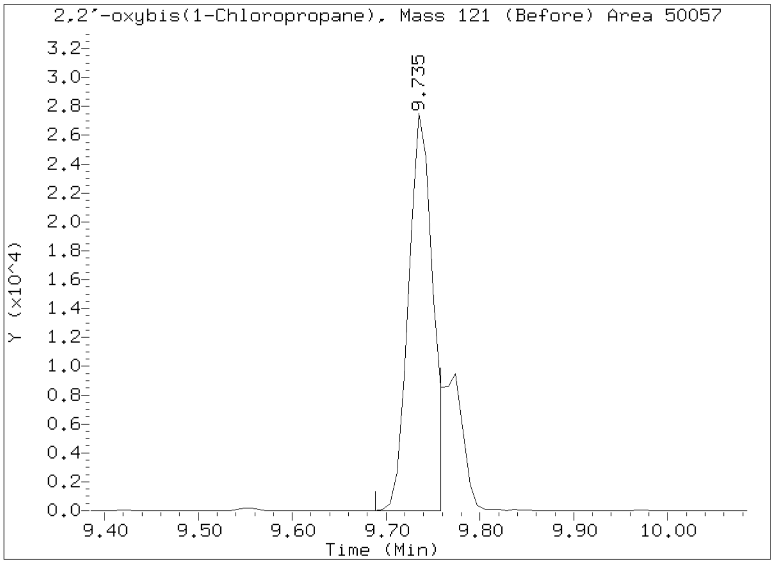


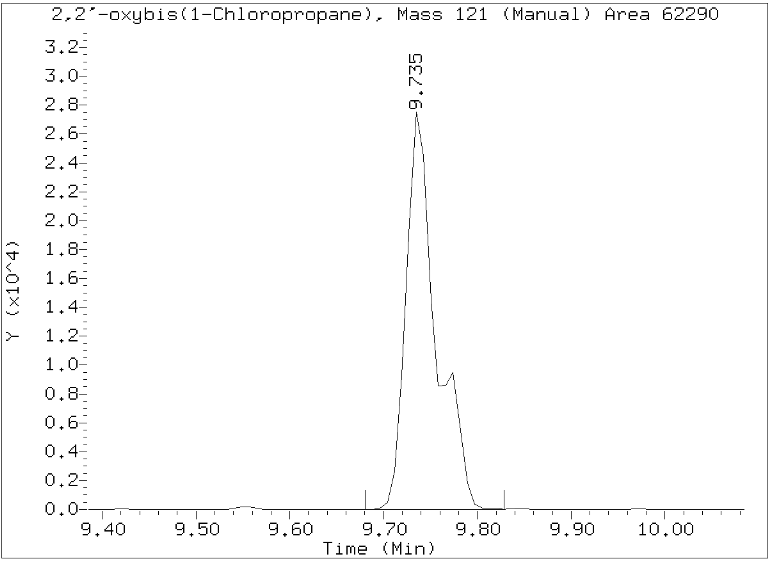
 * Only compounds listed in the work order have been verified by the analyst *
```

Quant Ion Manual Peak Adjustment Report

Datafile: //target/share/chem3/nt14.i/20221230C.b/NT1422123066.D
Injection Date: 31-DEC-2022 23:30
Lab ID:SKL0355-ICV5 Client ID:
Report Date: 01/04/2023 14:23

REVIEWED
By Brian Bebee
01/07/2023 @ 06:32 PM


2,2'-oxybis(1-Chloropropane), Mass 121 (Before) Area 50057


2,2'-oxybis(1-Chloropropane), Mass 121 (Manual) Area 62290

```
Q-FLAG SUMMARY FOR DATABATCH - \\target\share\chem3\nt14.i\20221230C.b

Instrument: nt14.i   Date: 31-DEC-2022   Method: 20221230C.b\ABN.m


 INITIAL CAL: 30-DEC-2022

  Compound                 %RSD or R^2
-----------------------------------------
 NO Q-FLAGS
-----------------------------------------


 ICV CAL: NT1422123066.D   31-DEC-2022 23:30

  Compound                       %D
-----------------------------------------
 Benzoic acid                  -24.8
 Hexachlorocyclopentadiene     -49.8
 2,4-Dinitrophenol             -47.9
 4,6-Dinitro-2-methylphenol    -28.8
 Pentachlorophenol             -50.6
 Indeno(1,2,3-cd)pyrene        -42.5
 Dibenzo(a,h)anthracene        -39.2
 Benzo(g,h,i)perylene          -55.1
 Benzidine                     -38.2
-----------------------------------------
```

INITIAL CALIBRATION CHECK

EPA 8270E

Laboratory:	Analytical Resources, LLC	SDG:	22L0307
Client:	Anchor QEA, LLC	Project:	AOC4 UR Phase 3
Instrument ID:	NT14	Calibration:	FL00066
Lab File ID:	NT1423010602.D	Calibration Date:	12/30/2022
Sequence:	SLA0068	Injection Date:	01/06/23
Lab Sample ID:	SLA0068-ICV1	Injection Time:	12:05
Sequence Name:	ABN 5		

		CONC. (ug/mL)		RESPONSE FACTOR			% DRIFT/DIFF	
COMPOUND	TYPE	STD	ICV	ICAL	ICV	MIN	ICV	LIMIT
Phenol	A	5.0000	5.1	1.7995200	1.8406950		2.3	+/-20
bis(2-chloroethyl) ether	A	5.0000	5.2	1.2396270	1.2855300		3.7	+/-20
2-Chlorophenol	A	5.0000	5.2	1.4607190	1.5103100		3.4	+/-20
1,3-Dichlorobenzene	A	5.0000	5.1	1.5489360	1.5679380		1.2	+/-20
1,4-Dichlorobenzene	A	5.0000	5.1	1.4674070	1.4971990		2.0	+/-20
1,2-Dichlorobenzene	A	5.0000	5.2	1.4391100	1.4862170		3.3	+/-20
Benzyl Alcohol	A	5.0000	5.4	0.8011083	0.8670648		8.2	+/-20
2,2'-Oxybis(1-chloropropane)	A	5.0000	5.3	0.4172325	0.4413347		5.8	+/-20
2-Methylphenol	A	5.0000	5.4	1.3076140	1.4037270		7.4	+/-20
Hexachloroethane	A	5.0000	5.7	0.5396966	0.6172494		14.4	+/-20
N-Nitroso-di-n-Propylamine	A	5.0000	6.0	0.7965591	0.9569041		20.1	+/-20
4-Methylphenol	A	5.0000	5.5	1.3794240	1.5037840		9.0	+/-20
Nitrobenzene	A	5.0000	5.7	0.3354574	0.3846729		14.7	+/-20
Isophorone	A	5.0000	6.1	0.4275424	0.5246577		22.7	+/-20 *
2-Nitrophenol	A	5.0000	5.5	0.2064997	0.2387544		10.9	+/-20
2,4-Dimethylphenol	A	10.000	11.1	0.3501131	0.3897218		11.3	+/-20
Bis(2-Chloroethoxy)methane	A	5.0000	5.3	0.3325989	0.3520409		5.8	+/-20
2,4-Dichlorophenol	A	10.000	10.3	0.2951237	0.3023596		2.5	+/-20
1,2,4-Trichlorobenzene	A	5.0000	6.1	0.3191088	0.3875228		21.4	+/-20 *
Naphthalene	A	5.0000	5.1	0.9843833	1.0114650		2.8	+/-20
Benzoic acid	A	20.000	16.2	0.1508906	0.1785245		-19.3	+/-20
4-Chloroaniline	A	10.000	10.7	0.4059568	0.4349714		7.1	+/-20
Hexachlorobutadiene	A	5.0000	6.4	0.1583286	0.2030386		28.2	+/-20 *
4-Chloro-3-Methylphenol	A	10.000	11.8	0.2785027	0.3298697		18.4	+/-20
2-Methylnaphthalene	A	5.0000	5.3	0.7220739	0.7712869		6.8	+/-20
Hexachlorocyclopentadiene	A	10.000	10.2	0.3023695	0.3083251		2.0	+/-20
2,4,6-Trichlorophenol	A	10.000	12.1	0.3338641	0.4027105		20.6	+/-20 *
2,4,5-Trichlorophenol	A	10.000	11.2	0.3853234	0.4313568		11.9	+/-20
2-Chloronaphthalene	A	5.0000	5.5	1.1441150	1.2679990		10.8	+/-20
2-Nitroaniline	A	10.000	13.8	0.3007956	0.4139705		37.6	+/-20 *

* Values outside of QC limits

INITIAL CALIBRATION CHECK

EPA 8270E

Laboratory:	Analytical Resources, LLC	SDG:	22L0307
Client:	Anchor QEA, LLC	Project:	AOC4 UR Phase 3
Instrument ID:	NT14	Calibration:	FL00066
Lab File ID:	NT1423010602.D	Calibration Date:	12/30/2022
Sequence:	SLA0068	Injection Date:	01/06/23
Lab Sample ID:	SLA0068-ICV1	Injection Time:	12:05
Sequence Name:	ABN 5		

COMPOUND	TYPE	CONC. (ug/mL)		RESPONSE FACTOR			% DRIFT/DIFF	
		STD	ICV	ICAL	ICV	MIN	ICV	LIMIT
Acenaphthylene	A	5.0000	5.6	1.7445240	1.9508880		11.8	+/-20
Dimethylphthalate	A	5.0000	5.8	1.1280520	1.3121200		16.3	+/-20
2,6-Dinitrotoluene	A	10.000	12.0	0.2545771	0.3060956		20.2	+/-20
Acenaphthene	A	5.0000	5.6	1.0820160	1.2143450		12.2	+/-20
3-Nitroaniline	A	10.000	10.8	0.3094189	0.3354533		8.4	+/-20
2,4-Dinitrophenol	A	20.000	18.0	0.1831718	0.2025469		-10.2	+/-20
Dibenzofuran	A	5.0000	5.3	1.6225950	1.7355900		7.0	+/-20
4-Nitrophenol	A	10.000	11.3	0.1384031	0.1722511		13.3	+/-20
2,4-Dinitrotoluene	A	10.000	12.0	0.3492859	0.4173479		19.5	+/-20
Fluorene	A	5.0000	5.3	1.7261350	1.8379930		6.5	+/-20
4-Chlorophenylphenyl ether	A	5.0000	4.9	0.8450792	0.8296804		-1.8	+/-20
Diethyl phthalate	A	5.0000	5.5	1.5332690	1.6896160		10.2	+/-20
4-Nitroaniline	A	10.000	10.4	0.3413732	0.3980270		4.3	+/-20
4,6-Dinitro-2-methylphenol	A	20.000	19.8	0.1530278	0.1741437		-0.8	+/-20
N-Nitrosodiphenylamine	A	5.0000	5.2	0.6863845	0.7180233		4.6	+/-20
4-Bromophenyl phenyl ether	A	5.0000	5.2	0.2599074	0.2681276		3.2	+/-20
Hexachlorobenzene	A	5.0000	5.1	0.2852204	0.2923271		2.5	+/-20
Pentachlorophenol	A	10.000	5.8	0.1128364	0.0737011		-42.0	+/-20 *
Phenanthrene	A	5.0000	5.3	1.0429190	1.0970130		5.2	+/-20
Anthracene	A	5.0000	5.6	0.9956202	1.1195110		12.4	+/-20
Carbazole	A	5.0000	5.2	0.9624945	1.0097700		4.9	+/-20
Di-n-Butylphthalate	A	5.0000	6.0	1.0394700	1.3611170		19.2	+/-20
Fluoranthene	A	5.0000	6.1	1.2879410	1.5732030		22.1	+/-20 *
Pyrene	A	5.0000	6.0	1.3541610	1.6320110		20.5	+/-20 *
Butylbenzylphthalate	A	5.0000	7.1	0.4650792	0.7471837		42.5	+/-20 *
Benzo(a)anthracene	A	5.0000	5.9	1.2117210	1.4275140		17.8	+/-20
3,3'-Dichlorobenzidine	A	15.000	19.5	0.3709370	0.4833206		30.3	+/-20 *
Chrysene	A	5.0000	6.0	1.1445730	1.3752480		20.2	+/-20
bis(2-Ethylhexyl)phthalate	A	5.0000	6.0	0.4442323	0.5372687		20.9	+/-20 *
Di-n-Octylphthalate	A	5.0000	5.1	0.9601702	0.9775777		1.8	+/-20

* Values outside of QC limits

INITIAL CALIBRATION CHECK

EPA 8270E

Laboratory:	Analytical Resources, LLC	SDG:	22L0307
Client:	Anchor QEA, LLC	Project:	AOC4 UR Phase 3
Instrument ID:	NT14	Calibration:	FL00066
Lab File ID:	NT1423010602.D	Calibration Date:	12/30/2022
Sequence:	SLA0068	Injection Date:	01/06/23
Lab Sample ID:	SLA0068-ICV1	Injection Time:	12:05
Sequence Name:	ABN 5		

COMPOUND	TYPE	CONC. (ug/mL)		RESPONSE FACTOR			% DRIFT/DIFF	
		STD	ICV	ICAL	ICV	MIN	ICV	LIMIT
Benzofluoranthenes, Total	A	10.000	10.9	1.2153330	1.3272200		9.2	+/-20
Benzo(a)pyrene	A	5.0000	5.8	1.0450150	1.2184420		16.6	+/-20
Indeno(1,2,3-cd)pyrene	A	5.0000	5.7	1.1879490	1.3641660		14.8	+/-20
Dibenzo(a,h)anthracene	A	5.0000	5.6	1.0094890	1.1372200		12.7	+/-20
Benzo(g,h,i)perylene	A	5.0000	5.6	0.9951726	1.1085160		11.4	+/-20
1-Methylnaphthalene	A	5.0000	5.4	0.6937882	0.7472028		7.7	+/-20
2-Fluorophenol	A	7.5000	7.95	1.2814900	1.3588060		6.0	+/-20
Phenol-d5	A	7.5000	8.07	1.5836890	1.7038430		7.6	+/-20
2-Chlorophenol-d4	A	7.5000	8.04	1.3300510	1.4262150		7.2	+/-20
1,2-Dichlorobenzene-d4	A	5.0000	5.20	0.9090592	0.9447593		3.9	+/-20
Nitrobenzene-d5	A	5.0000	5.99	0.3377760	0.4047356		19.8	+/-20
2-Fluorobiphenyl	A	5.0000	5.49	1.3448860	1.4768620		9.8	+/-20
2,4,6-Tribromophenol	A	7.5000	7.61	0.1844845	0.1981172		1.5	+/-20
p-Terphenyl-d14	A	5.0000	6.47	0.9601842	1.2422780		29.4	+/-20 *
1,4-Dichlorobenzene-d4	A	4.0000	4.0	37290.1800	1.0000		0.0	
Naphthalene-d8	A	4.0000	4.0	136223.9000	1.0000		0.0	
Acenaphthene-d10	A	4.0000	4.0	73667.8600	1.0000		0.0	
Phenanthrene-d10	A	4.0000	4.0	117990.4000	1.0000		0.0	
Chrysene-d12	A	4.0000	4.0	101321.8000	1.0000		0.0	
Di-n-Octylphthalate-d4	A	4.0000	4.0	149451.2000	1.0000		0.0	
Perylene-d12	A	4.0000	4.0	93469.2100	1.0000		0.0	

* Values outside of QC limits

* Values outside of QC limits

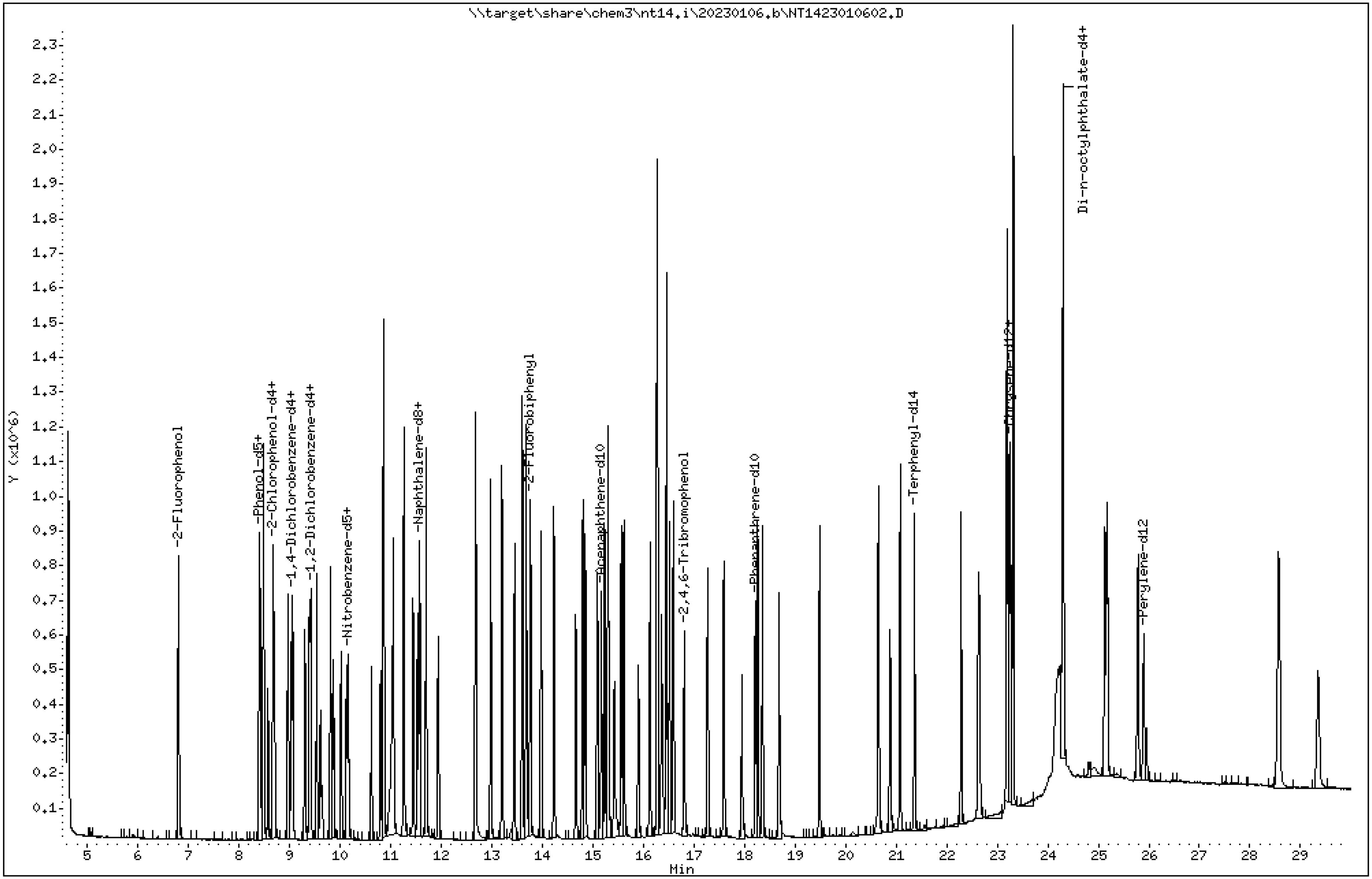
Data File: \\target\share\chem3\nt14.i\20230106.b\NT1423010602.D
Date : 06-JAN-2023 12:05
Client ID:
Sample Info: SLA0068-ICV1

Column phase: ZB-5msi

Page 1

Instrument: nt14.i

Operator: VTS
Column diameter: 0.25



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                                   ARI Labs, Inc.

                       Semivolatile Report SW846 Method 8270D
Data file : \\target\share\chem3\nt14.i\20230106.b\NT1423010602.D
Lab Smp Id: SLA0068-ICV1
Inj Date  : 06-JAN-2023 12:05            MS Autotune Date: 17-MAY-2011 01:22
Operator  : VTS                          Inst ID: nt14.i
Smp Info  : SLA0068-ICV1
Misc Info :
Comment   : 1ul Injection
Method    : \\target\share\chem3\nt14.i\20230106.b\ABN.m
Meth Date : 09-Jan-2023 14:48 deenayd    Quant Type: ISTD
Cal Date  : 30-DEC-2022 11:07            Cal File: NT1422123007.D
Als bottle: 2                            Continuing Calibration Sample
Dil Factor: 1.00000
Integrator: HP RTE                       Compound Sublist: ICAL.sub
Target Version:  4.14
Processing Host: DEENAY-201905


                                                                              AMOUNTS
                                 QUANT SIG                                CAL-AMT    ON-COL
Compounds                           MASS          RT   EXP RT   REL RT  RESPONSE    (ug/mL)    (ug/mL)
==========================          ====        ==== ======== ======== ========    =======    =======
$   1 2-Fluorophenol                 112       6.811    6.811 (0.754)    341693    7.50000      7.952
$   2 Phenol-d5                       99       8.403    8.403 (0.930)    428458    7.50000      8.069
    3 Phenol                          94       8.426    8.426 (0.932)    308581    5.00000      5.114
$   5 2-Chlorophenol-d4              132       8.673    8.673 (0.960)    358644    7.50000      8.042
    4 Bis(2-Chloroethyl)ether         93       8.580    8.580 (0.949)    215511    5.00000      5.185
    6 2-Chlorophenol                 128       8.704    8.704 (0.963)    253194    5.00000      5.170
    7 1,3-Dichlorobenzene            146       8.975    8.975 (0.993)    262855    5.00000      5.061
*   8 1,4-Dichlorobenzene-d4         152       9.037    9.037 (1.000)    134115    4.00000
    9 1,4-Dichlorobenzene            146       9.068    9.068 (1.003)    250996    5.00000      5.102
$  10 1,2-Dichlorobenzene-d4         152       9.401    9.401 (1.040)    158383    5.00000      5.196
   12 1,2-Dichlorobenzene            146       9.425    9.425 (1.043)    249155    5.00000      5.164
   11 Benzyl alcohol                 108       9.308    9.308 (1.030)    145358    5.00000      5.412
   14 2,2'-oxybis(1-Chloropropane)   121       9.611    9.611 (1.064)     73987    5.00000      5.289(M)
   13 2-Methylphenol                 108       9.541    9.541 (1.056)    235326    5.00000      5.368
   17 Hexachloroethane               117      10.022   10.022 (1.109)    103478    5.00000      5.718
   16 N-Nitroso-di-n-propylamine      70       9.867    9.867 (1.092)    160419    5.00000      6.006
   15 4-Methylphenol                 108       9.813    9.813 (1.086)    252100    5.00000      5.451
$  18 Nitrobenzene-d5                 82      10.131   10.131 (0.878)    252513    5.00000      5.991
   19 Nitrobenzene                    77      10.170   10.170 (0.881)    239996    5.00000      5.734
   20 Isophorone                      82      10.620   10.620 (0.920)    327332    5.00000      6.136
   21 2-Nitrophenol                  139      10.806   10.806 (0.936)    148958    5.00000      5.546
   22 2,4-Dimethylphenol             107      10.868   10.868 (0.942)    486292    10.0000      11.13
   23 Bis(2-Chloroethoxy)methane      93      11.054   11.054 (0.958)    219637    5.00000      5.292
   24 Benzoic acid                   105      11.062   11.062 (0.958)    445523    20.0000      16.15
   25 2,4-Dichlorophenol             162      11.263   11.263 (0.976)    377282    10.0000      10.25
   26 1,2,4-Trichlorobenzene         180      11.449   11.449 (0.992)    241774    5.00000      6.072
*  27 Naphthalene-d8                 136      11.542   11.542 (1.000)    499117    4.00000
   28 Naphthalene                    128      11.581   11.581 (1.003)    631049    5.00000      5.138
   29 4-Chloroaniline                127      11.704   11.704 (1.014)    542754    10.0000      10.71
   30 Hexachlorobutadiene            225      11.951   11.951 (1.035)    126675    5.00000      6.412
   31 4-Chloro-3-methylphenol        107      12.679   12.679 (1.098)    411609    10.0000      11.84
   32 2-Methylnaphthalene            142      12.981   12.981 (1.125)    481203    5.00000      5.341
   33 Hexachlorocyclopentadiene      237      13.453   13.453 (0.887)    200658    10.0000      10.20
```

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Report Date: 09-Jan-2023 15:25


                                                                                             AMOUNTS
                                      QUANT SIG                                          CAL-AMT     ON-COL
Compounds                               MASS            RT  EXP RT   REL RT  RESPONSE    (ug/mL)    (ug/mL)
==========================              ====          ==== ======== ======== ========    =======    =======
   34 2,4,6-Trichlorophenol              196        13.607  13.607 (0.897)      262084   10.0000       12.06
   35 2,4,5-Trichlorophenol              196        13.685  13.685 (0.902)      280727   10.0000       11.19
$  36 2-Fluorobiphenyl                   172        13.770  13.770 (0.908)      480571   5.00000       5.491
   37 2-Chloronaphthalene                162        13.979  13.979 (0.921)      412607   5.00000       5.541
   38 2-Nitroaniline                      65        14.234  14.234 (0.938)      269412   10.0000       13.76
   39 Dimethylphthalate                  163        14.668  14.668 (0.967)      426964   5.00000       5.816
   40 Acenaphthylene                     152        14.853  14.853 (0.979)      634819   5.00000       5.591
   41 2,6-Dinitrotoluene                 165        14.807  14.807 (0.976)      199207   10.0000       12.02
*  42 Acenaphthene-d10                   164        15.171  15.171 (1.000)      260320   4.00000
   43 3-Nitroaniline                     138        15.093  15.093 (0.995)      218313   10.0000       10.84
   44 Acenaphthene                       153        15.232  15.232 (1.004)      395148   5.00000       5.611
   45 2,4-Dinitrophenol                  184        15.302  15.302 (1.009)      263635   20.0000       17.97
   46 Dibenzofuran                       168        15.565  15.565 (1.026)      564761   5.00000       5.348
   47 4-Nitrophenol                      109        15.426  15.426 (1.017)      112101   10.0000       11.33
   48 2,4-Dinitrotoluene                 165        15.619  15.619 (1.030)      271610   10.0000       11.95
   50 Diethylphthalate                   149        16.137  16.137 (1.064)      549801   5.00000       5.510
   49 Fluorene                           166        16.276  16.276 (1.073)      598083   5.00000       5.324
   51 4-Chlorophenyl-phenylether         204        16.268  16.268 (1.072)      269978   5.00000       4.909
   52 4-Nitroaniline                     138        16.361  16.361 (1.078)      259036   10.0000       10.43
   53 4,6-Dinitro-2-methylphenol         198        16.461  16.461 (0.904)      376504   20.0000       19.84
   54 N-Nitrosodiphenylamine             169        16.523  16.523 (0.907)      388097   5.00000       5.230
$  55 2,4,6-Tribromophenol               330        16.816  16.816 (1.108)       96701   7.50000       7.609
   56 4-Bromophenyl-phenylether          248        17.278  17.278 (0.949)      144925   5.00000       5.158
   57 Hexachlorobenzene                  284        17.595  17.595 (0.966)      158005   5.00000       5.125
   58 Pentachlorophenol                  266        17.952  17.952 (0.986)       79672   10.0000       5.798
*  59 Phenanthrene-d10                   188        18.215  18.215 (1.000)      432406   4.00000
   60 Phenanthrene                       178        18.261  18.261 (1.003)      592944   5.00000       5.259
   61 Anthracene                         178        18.354  18.354 (1.008)      605104   5.00000       5.622
   62 Carbazole                          167        18.687  18.687 (1.026)      545788   5.00000       5.246
   63 Di-n-butylphthalate                149        19.484  19.484 (1.070)      735694   5.00000       5.958
   64 Fluoranthene                       202        20.652  20.652 (0.888)      625126   5.00000       6.107
   65 Pyrene                             202        21.077  21.077 (0.906)      648494   5.00000       6.026
$  66 Terphenyl-d14                      244        21.364  21.364 (0.918)      493630   5.00000       6.469
   67 Butylbenzylphthalate               149        22.285  22.285 (0.958)      296900   5.00000       7.127
   68 Benzo(a)anthracene                 228        23.245  23.245 (0.999)      567235   5.00000       5.890
*  69 Chrysene-d12                       240        23.268  23.268 (1.000)      317887   4.00000
   70 3,3'-Dichlorobenzidine             252        23.199  23.199 (0.997)      576155   15.0000       19.54
   71 Chrysene                           228        23.315  23.315 (1.002)      546467   5.00000       6.008
   72 bis(2-Ethylhexyl)phthalate         149        23.315  23.315 (0.960)      445974   5.00000       6.047
* 134 Di-n-octylphthalate-d4             153        24.298  24.298 (1.000)      664061   4.00000
   73 Di-n-octylphthalate                149        24.306  24.306 (1.000)      811464   5.00000       5.091
   74 Benzo(b)fluoranthene               252        25.126  25.126 (0.970)      517010   5.00000       5.244
   75 Benzo(k)fluoranthene               252        25.173  25.173 (0.972)      570701   5.00000       5.687
   76 Benzo(a)pyrene                     252        25.784  25.784 (0.996)      477806   5.00000       5.830
*  77 Perylene-d12                       264        25.901  25.901 (1.000)      313716   4.00000
   78 Indeno(1,2,3-cd)pyrene             276        28.567  28.567 (1.103)      534951   5.00000       5.742
   79 Dibenzo(a,h)anthracene             278        28.574  28.574 (1.103)      445955   5.00000       5.633
   80 Benzo(g,h,i)perylene               276        29.351  29.351 (1.133)      434699   5.00000       5.569
   90 N-Nitrosodimethylamine              74           Compound Not Detected.
   91 Aniline                             93         8.487   8.487 (0.939)      599941   10.0000       10.21
   93 Benzidine                          184        20.884  20.884 (0.898)      385812   10.0000       9.513
  103 Pyridine                            79         4.633   4.633 (0.513)      492623   5.00000       5.239
  105 1-methylnaphthalene                142        13.205  13.205 (1.144)      466177   5.00000       5.385
  111 Azobenzene (1,2-DP-Hydrazine)       77        16.592  16.592 (1.094)      615427   5.00000       6.366
```

```
                                                                                        AMOUNTS
                                      QUANT SIG                                    CAL-AMT    ON-COL
Compounds                               MASS          RT    EXP RT   REL RT  RESPONSE     (ug/mL)    (ug/mL)
==========================              ====         ==== ======== ======== ========     =======    =======
  187 Total Benzofluoranthenes           252        25.173  25.173 (0.972)    1040925     10.0000      10.92
  120 2,3,4,6-Tetrachlorophenol          232        15.905  15.905 (1.048)      95530     5.00000      4.998
```

QC Flag Legend

M - Compound response manually integrated.

```
Data File: \\target\share\chem3\nt14.i\20230106.b\NT1423010602.D Page 1
Report Date: 09-Jan-2023 15:25

                                  ARI Labs, Inc.

                            INTERNAL STANDARD COMPOUNDS
                                AREA AND RT SUMMARY

Instrument ID: nt14.i                            Calibration Date: 30-DEC-2022
Lab File ID: NT1423010602.D                      Calibration Time: 08:06
Lab Smp Id: SLA0068-ICV1
Analysis Type: SV                                      Level:
Quant Type: ISTD                                 Sample Type:
Operator: VTS
Method File: \\target\share\chem3\nt14.i\20230106.b\ABN.m
Misc Info:

Test Mode:
           Use Last Continuing Calibrator.

|______________________|__________|______AREA LIMIT_____|__________|_______|
| COMPOUND             | STANDARD |   LOWER  |  UPPER   |  SAMPLE  | %DIFF |
|======================|==========|==========|==========|==========|=======|
|  8 1,4-Dichlorobenze |    134115|     67058|    268230|    134115|   0.00|
| 27 Naphthalene-d8    |    499117|    249559|    998234|    499117|   0.00|
| 42 Acenaphthene-d10  |    260320|    130160|    520640|    260320|   0.00|
| 59 Phenanthrene-d10  |    432406|    216203|    864812|    432406|   0.00|
| 69 Chrysene-d12      |    317887|    158944|    635774|    317887|   0.00|
|134 Di-n-octylphthala |    664061|    332031|   1328122|    664061|   0.00|
| 77 Perylene-d12      |    313716|    156858|    627432|    313716|   0.00|
|______________________|__________|__________|__________|__________|_______|


|______________________|__________|_______RT LIMIT______|__________|_______|
| COMPOUND             | STANDARD |   LOWER  |  UPPER   |  SAMPLE  | %DIFF |
|======================|==========|==========|==========|==========|=======|
|  8 1,4-Dichlorobenze |      9.04|      8.54|      9.54|      9.04|   0.00|
| 27 Naphthalene-d8    |     11.54|     11.04|     12.04|     11.54|   0.00|
| 42 Acenaphthene-d10  |     15.17|     14.67|     15.67|     15.17|   0.00|
| 59 Phenanthrene-d10  |     18.22|     17.72|     18.72|     18.22|   0.00|
| 69 Chrysene-d12      |     23.27|     22.77|     23.77|     23.27|   0.00|
|134 Di-n-octylphthala |     24.30|     23.80|     24.80|     24.30|   0.00|
| 77 Perylene-d12      |     25.90|     25.40|     26.40|     25.90|   0.00|
|______________________|__________|__________|__________|__________|_______|

AREA UPPER LIMIT = +100% of internal standard area.
AREA LOWER LIMIT = - 50% of internal standard area.
RT UPPER LIMIT = + 0.50 minutes of internal standard RT.
RT LOWER LIMIT = - 0.50 minutes of internal standard RT.
```

```
REVIEW SUMMARY FOR FILE - NT1423010602.D

Lab ID: SLA0068-ICV1
nt14.i,  20230106.b\ABN.m,    06-JAN-2023 12:05


     RT      CO-ELUTION COMPOUNDS
---------------------------------------------------------------------------

            NO CO-ELUTIONS



Quant Method: ICAL




        RRT CHECK

   RRT    CCV RRT   DELTA    COMPOUND
 -------------------------------------

   NONE

No RRT check.  Ccal file.

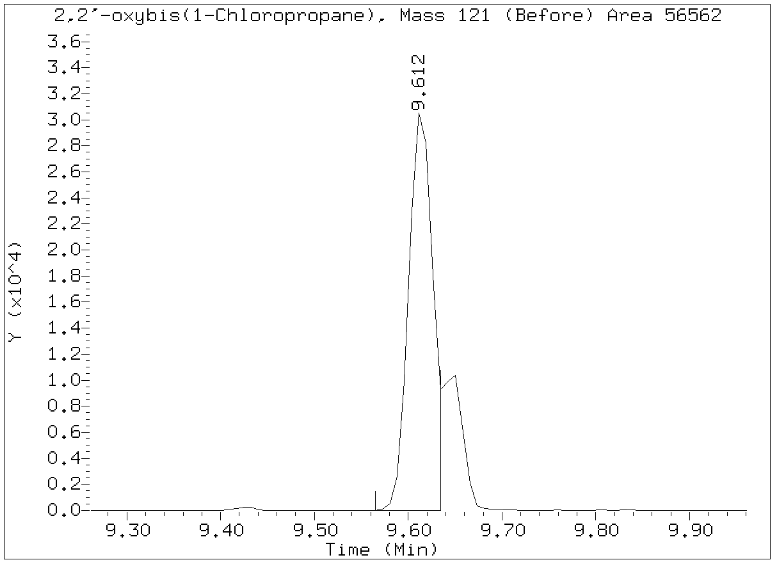

 On Column LOD for nt14.i, 20230106.b\ABN.m, ICAL.sub = 0.0000

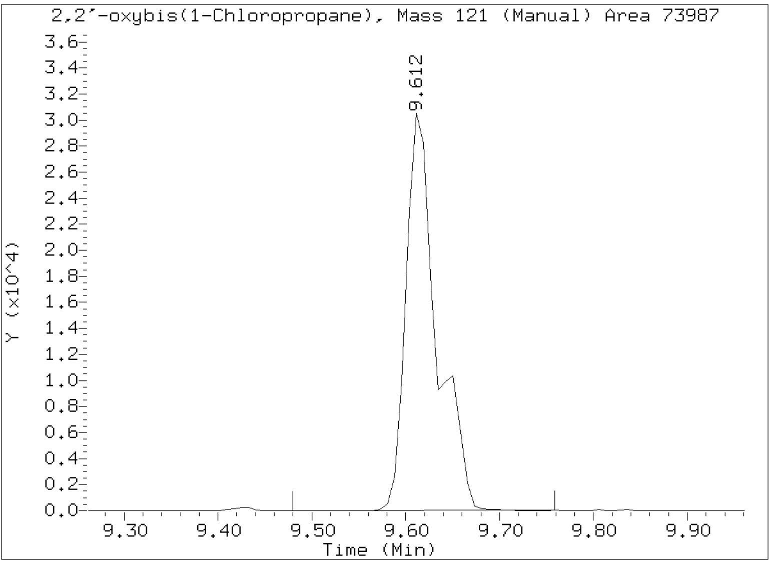


 * Only compounds listed in the work order have been verified by the analyst *
```

Quant Ion Manual Peak Adjustment Report

Datafile: //target/share/chem3/nt14.i/20230106.b/NT1423010602.D
Injection Date: 06-JAN-2023 12:05
Lab ID:SLA0068-ICV1 Client ID:
Report Date: 01/09/2023 15:25





APPROVED

By Deenay Dunmore at 3:37 pm, Jan 09, 2023

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Q-FLAG SUMMARY FOR DATABATCH - \\target\share\chem3\nt14.i\20230106.b
Instrument: nt14.i   Date: 06-JAN-2023   Method: 20230106.b\ABN.m


 INITIAL CAL: 30-DEC-2022

  Compound                 %RSD or R^2
-----------------------------------------
 NO Q-FLAGS
-----------------------------------------



 ICV CAL: NT1423010602.D   06-JAN-2023 12:05

  Compound                       %D
-----------------------------------------
 Isophorone                     22.7
 1,2,4-Trichlorobenzene         21.4
 Hexachlorobutadiene            28.2
 2,4,6-Trichlorophenol          20.6
 2-Nitroaniline                 37.6
 Pentachlorophenol             -42.0
 Fluoranthene                   22.1
 Pyrene                         20.5
 Butylbenzylphthalate           42.5
 3,3’-Dichlorobenzidine         30.3
 bis(2-Ethylhexyl)phthalate     20.9
 N-Nitrosodimethylamine         ND
 Azobenzene (1,2-DP-Hydrazine)    27.3
 Terphenyl-d14                  29.4
-----------------------------------------
```

INITIAL CALIBRATION CHECK

EPA 8270E

Laboratory:	Analytical Resources, LLC	SDG:	22L0307
Client:	Anchor QEA, LLC	Project:	AOC4 UR Phase 3
Instrument ID:	NT14	Calibration:	FL00066
Lab File ID:	NT1423010619.D	Calibration Date:	12/30/2022
Sequence:	SLA0068	Injection Date:	01/06/23
Lab Sample ID:	SLA0068-ICV2	Injection Time:	22:27
Sequence Name:	SSTD005		

		CONC. (ug/mL)		RESPONSE FACTOR			% DRIFT/DIFF	
COMPOUND	TYPE	STD	ICV	ICAL	ICV	MIN	ICV	LIMIT
Phenol	A	5.0000	4.8	1.7995200	1.7397840		-3.3	+/-20
bis(2-chloroethyl) ether	A	5.0000	5.2	1.2396270	1.2820820		3.4	+/-20
2-Chlorophenol	A	5.0000	5.0	1.4607190	1.4700180		0.6	+/-20
1,3-Dichlorobenzene	A	5.0000	5.0	1.5489360	1.5519950		0.2	+/-20
1,4-Dichlorobenzene	A	5.0000	5.6	1.4674070	1.6319800		11.2	+/-20
1,2-Dichlorobenzene	A	5.0000	5.1	1.4391100	1.4654790		1.8	+/-20
Benzyl Alcohol	A	5.0000	2.5	0.8011083	0.3983652		-50.3	+/-20 *
2,2'-Oxybis(1-chloropropane)	A	5.0000	5.3	0.4172325	0.4412271		5.8	+/-20
2-Methylphenol	A	5.0000	5.7	1.3076140	1.4825350		13.4	+/-20
Hexachloroethane	A	5.0000	5.5	0.5396966	0.5895354		9.2	+/-20
N-Nitroso-di-n-Propylamine	A	5.0000	6.1	0.7965591	0.9738612		22.3	+/-20 *
4-Methylphenol	A	5.0000	5.0	1.3794240	1.3912120		0.9	+/-20
Nitrobenzene	A	5.0000	5.8	0.3354574	0.3888868		15.9	+/-20
Isophorone	A	5.0000	6.2	0.4275424	0.5322924		24.5	+/-20 *
2-Nitrophenol	A	5.0000	5.6	0.2064997	0.2396008		11.3	+/-20
2,4-Dimethylphenol	A	10.000	11.2	0.3501131	0.3924964		12.1	+/-20
Bis(2-Chloroethoxy)methane	A	5.0000	5.3	0.3325989	0.3544489		6.6	+/-20
2,4-Dichlorophenol	A	10.000	10.8	0.2951237	0.3188709		8.0	+/-20
1,2,4-Trichlorobenzene	A	5.0000	5.8	0.3191088	0.3723772		16.7	+/-20
Naphthalene	A	5.0000	5.1	0.9843833	1.0129430		2.9	+/-20
Benzoic acid	A	20.000	13.3	0.1508906	0.1461856		-33.4	+/-20 *
4-Chloroaniline	A	10.000	10.3	0.4059568	0.4193851		3.3	+/-20
Hexachlorobutadiene	A	5.0000	6.4	0.1583286	0.2011273		27.0	+/-20 *
4-Chloro-3-Methylphenol	A	10.000	11.4	0.2785027	0.3186817		14.4	+/-20
2-Methylnaphthalene	A	5.0000	5.2	0.7220739	0.7555967		4.6	+/-20
Hexachlorocyclopentadiene	A	10.000	5.3	0.3023695	0.1593103		-47.3	+/-20 *
2,4,6-Trichlorophenol	A	10.000	11.4	0.3338641	0.3802640		13.9	+/-20
2,4,5-Trichlorophenol	A	10.000	10.9	0.3853234	0.4182508		8.5	+/-20
2-Chloronaphthalene	A	5.0000	5.6	1.1441150	1.2768520		11.6	+/-20
2-Nitroaniline	A	10.000	13.9	0.3007956	0.4193947		39.4	+/-20 *

* Values outside of QC limits

INITIAL CALIBRATION CHECK

EPA 8270E

Laboratory: Analytical Resources, LLC
Client: Anchor QEA, LLC
Instrument ID: NT14
Lab File ID: NT1423010619.D
Sequence: SLA0068
Lab Sample ID: SLA0068-ICV2
Sequence Name: SSTD005

SDG: 22L0307
Project: AOC4 UR Phase 3
Calibration: FL00066
Calibration Date: 12/30/2022
Injection Date: 01/06/23
Injection Time: 22:27

COMPOUND	TYPE	CONC. (ug/mL)		RESPONSE FACTOR			% DRIFT/DIFF	
		STD	ICV	ICAL	ICV	MIN	ICV	LIMIT
Acenaphthylene	A	5.0000	5.7	1.7445240	1.9716940		13.0	+/-20
Dimethylphthalate	A	5.0000	5.9	1.1280520	1.3259430		17.5	+/-20
2,6-Dinitrotoluene	A	10.000	12.3	0.2545771	0.3140691		23.4	+/-20 *
Acenaphthene	A	5.0000	5.6	1.0820160	1.2221990		13.0	+/-20
3-Nitroaniline	A	10.000	11.0	0.3094189	0.3407681		10.1	+/-20
2,4-Dinitrophenol	A	20.000	14.8	0.1831718	0.1654865		-26.0	+/-20 *
Dibenzofuran	A	5.0000	5.4	1.6225950	1.7631310		8.7	+/-20
4-Nitrophenol	A	10.000	10.8	0.1384031	0.1644616		8.3	+/-20
2,4-Dinitrotoluene	A	10.000	12.0	0.3492859	0.4200958		20.3	+/-20
Fluorene	A	5.0000	5.4	1.7261350	1.8583960		7.7	+/-20
4-Chlorophenylphenyl ether	A	5.0000	5.0	0.8450792	0.8402100		-0.6	+/-20
Diethyl phthalate	A	5.0000	5.7	1.5332690	1.7497370		14.1	+/-20
4-Nitroaniline	A	10.000	10.5	0.3413732	0.3997030		4.7	+/-20
4,6-Dinitro-2-methylphenol	A	20.000	18.7	0.1530278	0.1636770		-6.5	+/-20
N-Nitrosodiphenylamine	A	5.0000	5.3	0.6863845	0.7298177		6.3	+/-20
4-Bromophenyl phenyl ether	A	5.0000	5.1	0.2599074	0.2670855		2.8	+/-20
Hexachlorobenzene	A	5.0000	5.1	0.2852204	0.2925525		2.6	+/-20
Pentachlorophenol	A	10.000	4.4	0.1128364	0.0559596		-55.7	+/-20 *
Phenanthrene	A	5.0000	5.3	1.0429190	1.1015550		5.6	+/-20
Anthracene	A	5.0000	5.7	0.9956202	1.1267580		13.2	+/-20
Carbazole	A	5.0000	5.3	0.9624945	1.0225280		6.2	+/-20
Di-n-Butylphthalate	A	5.0000	6.1	1.0394700	1.3895140		21.5	+/-20 *
Fluoranthene	A	5.0000	6.0	1.2879410	1.5441240		19.9	+/-20
Pyrene	A	5.0000	5.9	1.3541610	1.5918410		17.6	+/-20
Butylbenzylphthalate	A	5.0000	7.1	0.4650792	0.7403474		41.3	+/-20 *
Benzo(a)anthracene	A	5.0000	5.8	1.2117210	1.4033450		15.8	+/-20
3,3'-Dichlorobenzidine	A	15.000	20.1	0.3709370	0.4960603		33.7	+/-20 *
Chrysene	A	5.0000	6.1	1.1445730	1.3963330		22.0	+/-20 *
bis(2-Ethylhexyl)phthalate	A	5.0000	6.5	0.4442323	0.5775056		30.0	+/-20 *
Di-n-Octylphthalate	A	5.0000	5.2	0.9601702	1.0000380		4.2	+/-20

* Values outside of QC limits

INITIAL CALIBRATION CHECK

EPA 8270E

Laboratory:	Analytical Resources, LLC	SDG:	22L0307
Client:	Anchor QEA, LLC	Project:	AOC4 UR Phase 3
Instrument ID:	NT14	Calibration:	FL00066
Lab File ID:	NT1423010619.D	Calibration Date:	12/30/2022
Sequence:	SLA0068	Injection Date:	01/06/23
Lab Sample ID:	SLA0068-ICV2	Injection Time:	22:27
Sequence Name:	SSTD005		

COMPOUND	TYPE	CONC. (ug/mL)		RESPONSE FACTOR			% DRIFT/DIFF	
		STD	ICV	ICAL	ICV	MIN	ICV	LIMIT
Benzofluoranthenes, Total	A	10.000	10.4	1.2153330	1.2648590		4.1	+/-20
Benzo(a)pyrene	A	5.0000	5.7	1.0450150	1.1897130		13.8	+/-20
Indeno(1,2,3-cd)pyrene	A	5.0000	5.7	1.1879490	1.3541290		14.0	+/-20
Dibenzo(a,h)anthracene	A	5.0000	5.7	1.0094890	1.1428890		13.2	+/-20
Benzo(g,h,i)perylene	A	5.0000	5.2	0.9951726	1.0352660		4.0	+/-20
1-Methylnaphthalene	A	5.0000	5.3	0.6937882	0.7372614		6.3	+/-20
2-Fluorophenol	A	7.5000	7.99	1.2814900	1.3646540		6.5	+/-20
Phenol-d5	A	7.5000	7.84	1.5836890	1.6552690		4.5	+/-20
2-Chlorophenol-d4	A	7.5000	7.88	1.3300510	1.3966470		5.0	+/-20
1,2-Dichlorobenzene-d4	A	5.0000	5.20	0.9090592	0.9446317		3.9	+/-20
Nitrobenzene-d5	A	5.0000	6.08	0.3377760	0.4104266		21.5	+/-20 *
2-Fluorobiphenyl	A	5.0000	5.54	1.3448860	1.4904330		10.8	+/-20
2,4,6-Tribromophenol	A	7.5000	7.19	0.1844845	0.1866945		-4.2	+/-20
p-Terphenyl-d14	A	5.0000	5.73	0.9601842	1.1006090		14.6	+/-20
1,4-Dichlorobenzene-d4	A	4.0000	4.0	37290.1800	1.0000		0.0	
Naphthalene-d8	A	4.0000	4.0	136223.9000	1.0000		0.0	
Acenaphthene-d10	A	4.0000	4.0	73667.8600	1.0000		0.0	
Phenanthrene-d10	A	4.0000	4.0	117990.4000	1.0000		0.0	
Chrysene-d12	A	4.0000	4.0	101321.8000	1.0000		0.0	
Di-n-Octylphthalate-d4	A	4.0000	4.0	149451.2000	1.0000		0.0	
Perylene-d12	A	4.0000	4.0	93469.2100	1.0000		0.0	

* Values outside of QC limits

Data File: \\target\share\chem3\nt14.i\20230106.b\NT1423010619.D

Page 1

Date : 06-JAN-2023 22:27

Client ID:

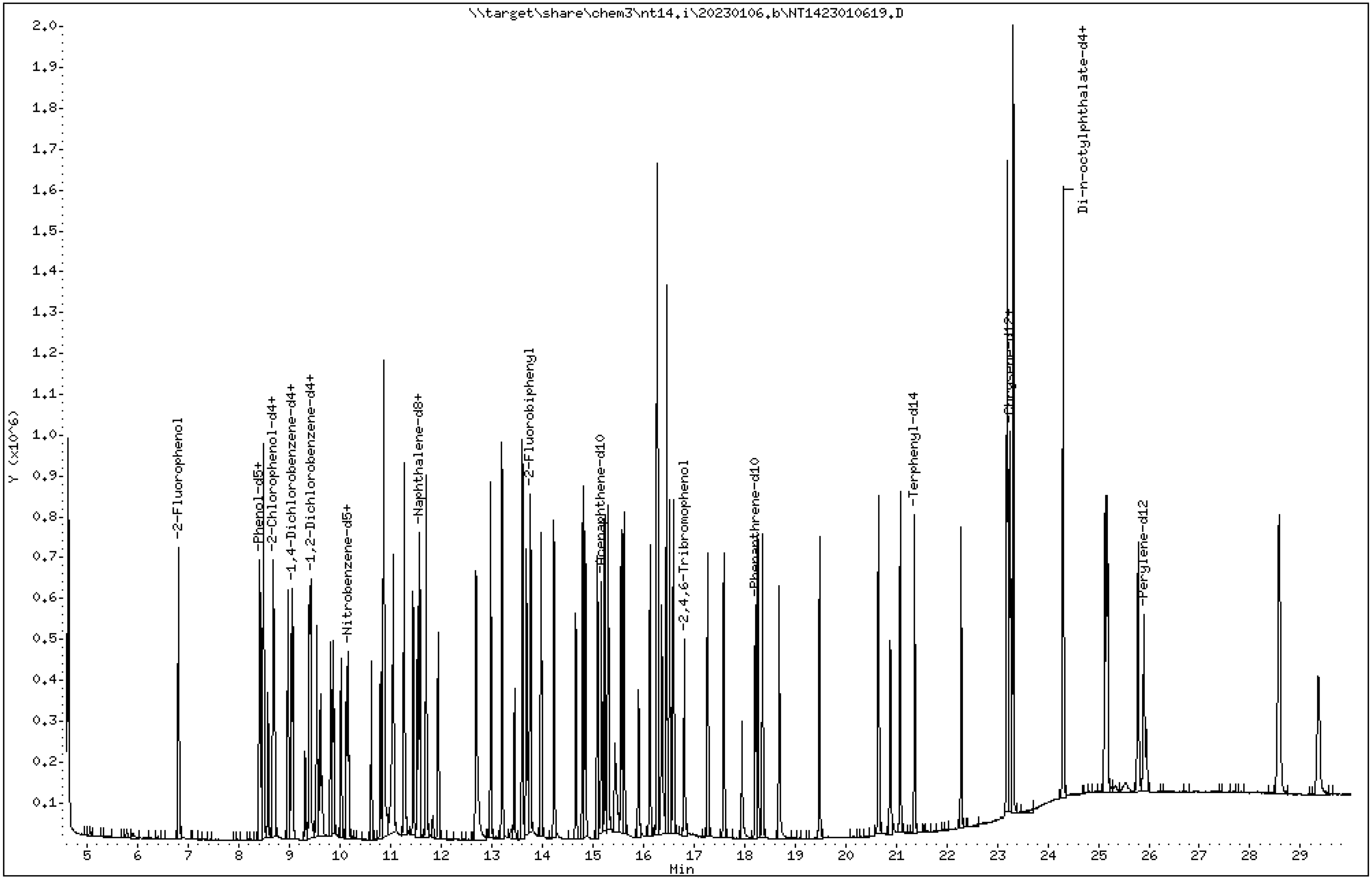
Instrument: nt14.i

Sample Info: SLA0068-ICV2

Operator: VTS

Column phase: ZB-5msi

Column diameter: 0.25



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Data File: \\target\share\chem3\nt14.i\20230106.b\NT1423010619.D Page 1
Report Date: 12-Jan-2023 08:12


                                ARI Labs, Inc.

                      Semivolatile Report SW846 Method 8270D
Data file : \\target\share\chem3\nt14.i\20230106.b\NT1423010619.D
Lab Smp Id: SLA0068-ICV2
Inj Date  : 06-JAN-2023 22:27            MS Autotune Date: 17-MAY-2011 01:22
Operator  : VTS                          Inst ID: nt14.i
Smp Info  : SLA0068-ICV2
Misc Info :
Comment   : 1ul Injection
Method    : \\target\share\chem3\nt14.i\20230106.b\ABN.m
Meth Date : 12-Jan-2023 08:12 van        Quant Type: ISTD
Cal Date  : 30-DEC-2022 11:07            Cal File: NT1422123007.D
Als bottle: 2                            Continuing Calibration Sample
Dil Factor: 1.00000
Integrator: HP RTE                       Compound Sublist: ICAL.sub
Target Version:  4.14
Processing Host: VANS-201906


                                                                                        AMOUNTS
                                    QUANT SIG                                         CAL-AMT    ON-COL
Compounds                             MASS         RT    EXP RT   REL RT   RESPONSE   (ug/mL)    (ug/mL)
==========================            ====       ==== ======== ======== ========   =======    =======
$   1 2-Fluorophenol                   112        6.811   6.811 (0.754)     291751    7.50000      7.987
$   2 Phenol-d5                         99        8.403   8.403 (0.930)     353882    7.50000      7.839
    3 Phenol                            94        8.426   8.426 (0.932)     247967    5.00000      4.834
$   5 2-Chlorophenol-d4                132        8.673   8.673 (0.960)     298591    7.50000      7.876
    4 Bis(2-Chloroethyl)ether           93        8.580   8.580 (0.949)     182732    5.00000      5.171
    6 2-Chlorophenol                   128        8.704   8.704 (0.963)     209518    5.00000      5.032
    7 1,3-Dichlorobenzene              146        8.975   8.975 (0.993)     221202    5.00000      5.010
*   8 1,4-Dichlorobenzene-d4           152        9.037   9.037 (1.000)     114022    4.00000
    9 1,4-Dichlorobenzene              146        9.068   9.068 (1.003)     232602    5.00000      5.561
$  10 1,2-Dichlorobenzene-d4           152        9.401   9.401 (1.040)     134636    5.00000      5.196
   12 1,2-Dichlorobenzene              146        9.425   9.425 (1.043)     208871    5.00000      5.092
   11 Benzyl alcohol                   108        9.308   9.308 (1.030)      56778    5.00000      2.486
   14 2,2'-oxybis(1-Chloropropane)     121        9.611   9.611 (1.064)      62887    5.00000      5.288(M)
   13 2-Methylphenol                   108        9.549   9.549 (1.057)     211302    5.00000      5.669
   17 Hexachloroethane                 117       10.022  10.022 (1.109)      84025    5.00000      5.462
   16 N-Nitroso-di-n-propylamine        70        9.867   9.867 (1.092)     138802    5.00000      6.113
   15 4-Methylphenol                   108        9.813   9.813 (1.086)     198286    5.00000      5.043
$  18 Nitrobenzene-d5                   82       10.131  10.131 (0.878)     215809    5.00000      6.075
   19 Nitrobenzene                      77       10.170  10.170 (0.882)     204483    5.00000      5.796
   20 Isophorone                        82       10.620  10.620 (0.921)     279888    5.00000      6.225
   21 2-Nitrophenol                    139       10.806  10.806 (0.937)     125986    5.00000      5.564
   22 2,4-Dimethylphenol               107       10.868  10.868 (0.942)     412762    10.0000      11.21
   23 Bis(2-Chloroethoxy)methane        93       11.054  11.054 (0.958)     186375    5.00000      5.328
   24 Benzoic acid                     105       11.062  11.062 (0.959)     307467    20.0000      13.32
   25 2,4-Dichlorophenol               162       11.271  11.271 (0.977)     335335    10.0000      10.80
   26 1,2,4-Trichlorobenzene           180       11.449  11.449 (0.993)     195802    5.00000      5.835
*  27 Naphthalene-d8                   136       11.534  11.534 (1.000)     420653    4.00000
   28 Naphthalene                      128       11.581  11.581 (1.004)     532622    5.00000      5.145
   29 4-Chloroaniline                  127       11.712  11.712 (1.015)     441039    10.0000      10.33
   30 Hexachlorobutadiene              225       11.951  11.951 (1.036)     105756    5.00000      6.352
   31 4-Chloro-3-methylphenol          107       12.686  12.686 (1.100)     335136    10.0000      11.44
   32 2-Methylnaphthalene              142       12.981  12.981 (1.125)     397305    5.00000      5.232
   33 Hexachlorocyclopentadiene        237       13.453  13.453 (0.887)      86347    10.0000      5.269
```

```
                                                                                            AMOUNTS
                                      QUANT SIG                                         CAL-AMT    ON-COL
Compounds                               MASS         RT    EXP RT   REL RT  RESPONSE    (ug/mL)    (ug/mL)
==========================              ====        ==== ======== ======== ========     =======    =======
   34 2,4,6-Trichlorophenol              196       13.607  13.607 (0.897)    206105     10.0000      11.39
   35 2,4,5-Trichlorophenol              196       13.693  13.693 (0.903)    226694     10.0000      10.85
$  36 2-Fluorobiphenyl                   172       13.770  13.770 (0.908)    403911     5.00000      5.541
   37 2-Chloronaphthalene                162       13.979  13.979 (0.921)    346030     5.00000      5.580
   38 2-Nitroaniline                      65       14.234  14.234 (0.938)    227314     10.0000      13.94
   39 Dimethylphthalate                  163       14.668  14.668 (0.967)    359334     5.00000      5.877
   40 Acenaphthylene                     152       14.853  14.853 (0.979)    534334     5.00000      5.651
   41 2,6-Dinitrotoluene                 165       14.807  14.807 (0.976)    170227     10.0000      12.34
*  42 Acenaphthene-d10                   164       15.171  15.171 (1.000)    216802     4.00000
   43 3-Nitroaniline                     138       15.093  15.093 (0.995)    184698     10.0000      11.01
   44 Acenaphthene                       153       15.240  15.240 (1.005)    331219     5.00000      5.648
   45 2,4-Dinitrophenol                  184       15.302  15.302 (1.009)    179389     20.0000      14.80
   46 Dibenzofuran                       168       15.565  15.565 (1.026)    477813     5.00000      5.433
   47 4-Nitrophenol                      109       15.433  15.433 (1.017)     89139     10.0000      10.83
   48 2,4-Dinitrotoluene                 165       15.619  15.619 (1.030)    227694     10.0000      12.03
   50 Diethylphthalate                   149       16.137  16.137 (1.064)    474183     5.00000      5.706
   49 Fluorene                           166       16.284  16.284 (1.073)    503630     5.00000      5.383
   51 4-Chlorophenyl-phenylether         204       16.268  16.268 (1.072)    227699     5.00000      4.971
   52 4-Nitroaniline                     138       16.361  16.361 (1.078)    216641     10.0000      10.47
   53 4,6-Dinitro-2-methylphenol         198       16.461  16.461 (0.904)    299628     20.0000      18.70
   54 N-Nitrosodiphenylamine             169       16.523  16.523 (0.907)    334002     5.00000      5.316
$  55 2,4,6-Tribromophenol               330       16.816  16.816 (1.108)     75892     7.50000      7.188
   56 4-Bromophenyl-phenylether          248       17.278  17.278 (0.949)    122232     5.00000      5.138
   57 Hexachlorobenzene                  284       17.595  17.595 (0.966)    133887     5.00000      5.129
   58 Pentachlorophenol                  266       17.952  17.952 (0.986)     51220     10.0000      4.434
*  59 Phenanthrene-d10                   188       18.215  18.215 (1.000)    366121     4.00000
   60 Phenanthrene                       178       18.269  18.269 (1.003)    504128     5.00000      5.281
   61 Anthracene                         178       18.362  18.362 (1.008)    515662     5.00000      5.659
   62 Carbazole                          167       18.687  18.687 (1.026)    467961     5.00000      5.312
   63 Di-n-butylphthalate                149       19.491  19.491 (1.070)    635913     5.00000      6.076
   64 Fluoranthene                       202       20.652  20.652 (0.887)    534427     5.00000      5.995
   65 Pyrene                             202       21.077  21.077 (0.906)    550942     5.00000      5.878
$  66 Terphenyl-d14                      244       21.364  21.364 (0.918)    380925     5.00000      5.731
   67 Butylbenzylphthalate               149       22.285  22.285 (0.957)    256237     5.00000      7.064
   68 Benzo(a)anthracene                 228       23.245  23.245 (0.999)    485703     5.00000      5.791
*  69 Chrysene-d12                       240       23.276  23.276 (1.000)    276883     4.00000
   70 3,3'-Dichlorobenzidine             252       23.199  23.199 (0.997)    515065     15.0000      20.06
   71 Chrysene                           228       23.315  23.315 (1.002)    483276     5.00000      6.100
   72 bis(2-Ethylhexyl)phthalate         149       23.315  23.315 (0.960)    390279     5.00000      6.500
* 134 Di-n-octylphthalate-d4             153       24.298  24.298 (1.000)    540641     4.00000
   73 Di-n-octylphthalate                149       24.314  24.314 (1.001)    675827     5.00000      5.208
   74 Benzo(b)fluoranthene               252       25.134  25.134 (0.970)    522344     5.00000      5.391
   75 Benzo(k)fluoranthene               252       25.173  25.173 (0.972)    503808     5.00000      5.109
   76 Benzo(a)pyrene                     252       25.785  25.785 (0.996)    458493     5.00000      5.692
*  77 Perylene-d12                       264       25.901  25.901 (1.000)    308305     4.00000
   78 Indeno(1,2,3-cd)pyrene             276       28.574  28.574 (1.103)    521856     5.00000      5.699
   79 Dibenzo(a,h)anthracene             278       28.582  28.582 (1.104)    440448     5.00000      5.661
   80 Benzo(g,h,i)perylene               276       29.351  29.351 (1.133)    398972     5.00000      5.201
   90 N-Nitrosodimethylamine              74            Compound Not Detected.
   91 Aniline                             93        8.487   8.487 (0.939)    508766     10.0000      10.19
   93 Benzidine                          184       20.884  20.884 (0.897)    340138     10.0000      9.624
  103 Pyridine                            79        4.633   4.633 (0.513)    415435     5.00000      5.197
  105 1-methylnaphthalene                142       13.205  13.205 (1.145)    387664     5.00000      5.313
  111 Azobenzene (1,2-DP-Hydrazine)       77       16.600  16.600 (1.094)    536113     5.00000      6.659
```

```
                                                                                                 AMOUNTS
                                     QUANT SIG                                               CAL-AMT    ON-COL
Compounds                              MASS          RT   EXP RT   REL RT  RESPONSE   (ug/mL)    (ug/mL)
==========================             ====        ==== ======== ======== ========   =======    =======
  187 Total Benzofluoranthenes          252      25.134  25.134 (0.970)    974906    10.0000      10.41
  120 2,3,4,6-Tetrachlorophenol         232      15.905  15.905 (1.048)     69773    5.00000      4.407
```

QC Flag Legend

M - Compound response manually integrated.

Data File: \\target\share\chem3\nt14.i\20230106.b\NT1423010619.D Page 1
Report Date: 12-Jan-2023 08:12

ARI Labs, Inc.

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: nt14.i
Lab File ID: NT1423010619.D
Lab Smp Id: SLA0068-ICV2
Analysis Type: SV
Quant Type: ISTD
Operator: VTS
Method File: \\target\share\chem3\nt14.i\20230106.b\ABN.m
Misc Info:

Calibration Date: 06-JAN-2023
Calibration Time: 12:05
Level:
Sample Type:

Test Mode:
Use Last Continuing Calibrator.

		AREA LIMIT			
COMPOUND	STANDARD	LOWER	UPPER	SAMPLE	%DIFF
8 1,4-Dichlorobenze	134115	67058	268230	114022	-14.98
27 Naphthalene-d8	499117	249559	998234	420653	-15.72
42 Acenaphthene-d10	260320	130160	520640	216802	-16.72
59 Phenanthrene-d10	432406	216203	864812	366121	-15.33
69 Chrysene-d12	317887	158944	635774	276883	-12.90
134 Di-n-octylphthala	664061	332031	1328122	540641	-18.59
77 Perylene-d12	313716	156858	627432	308305	-1.72

		RT LIMIT			
COMPOUND	STANDARD	LOWER	UPPER	SAMPLE	%DIFF
8 1,4-Dichlorobenze	9.04	8.54	9.54	9.04	0.00
27 Naphthalene-d8	11.54	11.04	12.04	11.53	-0.07
42 Acenaphthene-d10	15.17	14.67	15.67	15.17	0.00
59 Phenanthrene-d10	18.22	17.72	18.72	18.22	0.00
69 Chrysene-d12	23.27	22.77	23.77	23.28	0.03
134 Di-n-octylphthala	24.30	23.80	24.80	24.30	0.00
77 Perylene-d12	25.90	25.40	26.40	25.90	0.00

AREA UPPER LIMIT = +100% of internal standard area.
AREA LOWER LIMIT = - 50% of internal standard area.
RT UPPER LIMIT = + 0.50 minutes of internal standard RT.
RT LOWER LIMIT = - 0.50 minutes of internal standard RT.

```
REVIEW SUMMARY FOR FILE - NT1423010619.D

Lab ID: SLA0068-ICV2
nt14.i,  20230106.b\ABN.m,    06-JAN-2023 22:27


     RT      CO-ELUTION COMPOUNDS
---------------------------------------------------------------------------

            NO CO-ELUTIONS


Quant Method: ICAL



        RRT CHECK

   RRT    CCV RRT   DELTA    COMPOUND
 -------------------------------------

   NONE

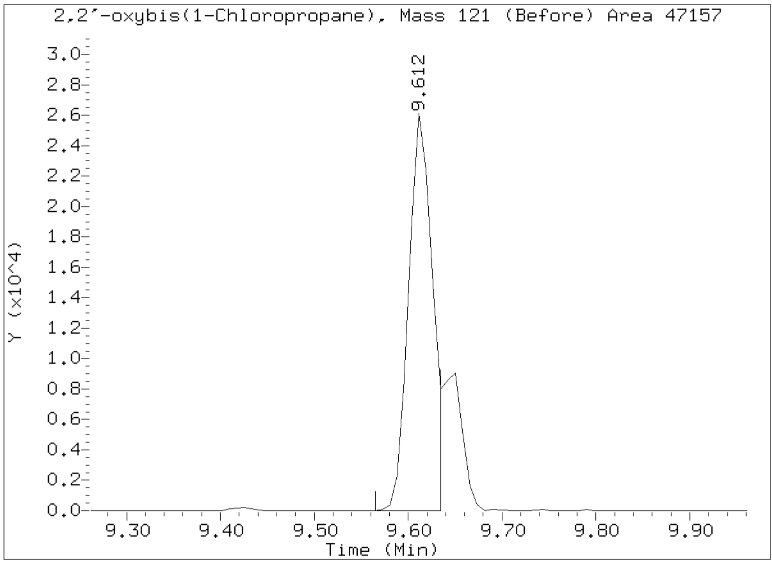
No RRT check.  Ccal file.

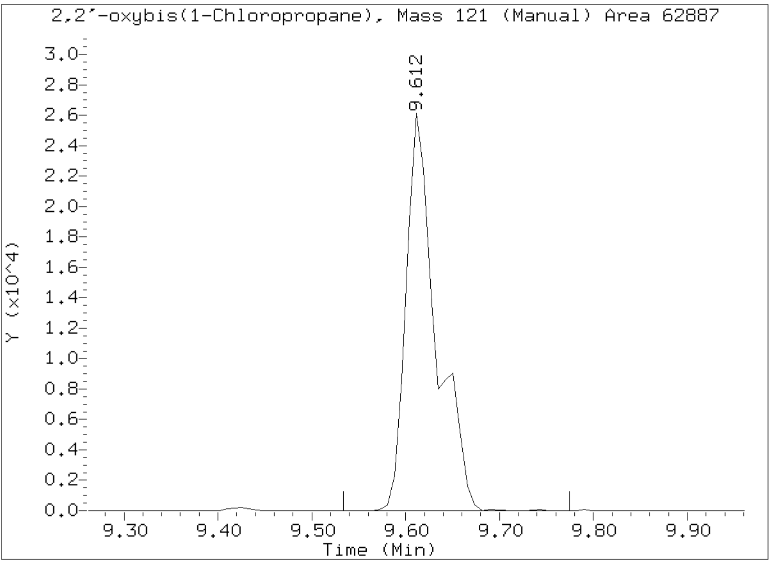

 On Column LOD for nt14.i, 20230106.b\ABN.m, ICAL.sub = 0.0000


 * Only compounds listed in the work order have been verified by the analyst *
```

Quant Ion Manual Peak Adjustment Report

Datafile: //target/share/chem3/nt14.i/20230106.b/NT1423010619.D
Injection Date: 06-JAN-2023 22:27
Lab ID:SLA0068-ICV2 Client ID:
Report Date: 01/12/2023 08:12


2,2′-oxybis(1-Chloropropane), Mass 121 (Before) Area 47157


2,2′-oxybis(1-Chloropropane), Mass 121 (Manual) Area 62887

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Q-FLAG SUMMARY FOR DATABATCH - \\target\share\chem3\nt14.i\20230106.b

Instrument: nt14.i   Date: 06-JAN-2023   Method: 20230106.b\ABN.m



 INITIAL CAL: 30-DEC-2022

  Compound                 %RSD or R^2
-----------------------------------------
 NO Q-FLAGS
-----------------------------------------



 ICV CAL: NT1423010619.D   06-JAN-2023 22:27

  Compound                       %D
-----------------------------------------
 Benzyl alcohol                -50.3
 N-Nitroso-di-n-propylamine     22.3
 Isophorone                     24.5
 Benzoic acid                  -33.4
 Hexachlorobutadiene            27.0
 Hexachlorocyclopentadiene     -47.3
 2-Nitroaniline                 39.4
 2,6-Dinitrotoluene             23.4
 2,4-Dinitrophenol             -26.0
 Pentachlorophenol             -55.7
 Di-n-butylphthalate            21.5
 Butylbenzylphthalate           41.3
 3,3’-Dichlorobenzidine         33.7
 Chrysene                       22.0
 bis(2-Ethylhexyl)phthalate     30.0
 N-Nitrosodimethylamine         ND
 Azobenzene (1,2-DP-Hydrazine)    33.2
 Nitrobenzene-d5                21.5
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CONTINUING CALIBRATION CHECK

EPA 8270E

Laboratory:	Analytical Resources, LLC	SDG:	22L0307
Client:	Anchor QEA, LLC	Project:	AOC4 UR Phase 3
Instrument ID:	NT14	Calibration:	FL00066
Lab File ID:	NT1422123083.D	Calibration Date:	12/30/2022
Sequence:	SKL0355	Injection Date:	01/01/23
Lab Sample ID:	SKL0355-CCV1	Injection Time:	09:41
Sequence Name:	ABN 5		

COMPOUND	TYPE	CONC. (ug/mL)		RESPONSE FACTOR (RRF)			% DRIFT/DIFF	
		STD	CCV	ICAL	CCV	MIN	CCV	LIMIT
Phenol	A	5.0000	4.6	1.7995200	1.6731840		-7.0	+/-50
bis(2-chloroethyl) ether	A	5.0000	4.6	1.2396270	1.1353140		-8.4	+/-50
2-Chlorophenol	A	5.0000	4.7	1.4607190	1.3754550		-5.8	+/-50
1,3-Dichlorobenzene	A	5.0000	4.6	1.5489360	1.4240610		-8.1	+/-50
1,4-Dichlorobenzene	A	5.0000	4.6	1.4674070	1.3461820		-8.3	+/-50
1,2-Dichlorobenzene	A	5.0000	4.6	1.4391100	1.3216280		-8.2	+/-50
Benzyl Alcohol	A	5.0000	4.9	0.8011083	0.7786153		-2.8	+/-50
2,2'-Oxybis(1-chloropropane)	A	5.0000	4.3	0.4172325	0.3583668		-14.1	+/-50
2-Methylphenol	A	5.0000	4.8	1.3076140	1.2542810		-4.1	+/-50
Hexachloroethane	A	5.0000	4.4	0.5396966	0.4720417		-12.5	+/-50
N-Nitroso-di-n-Propylamine	A	5.0000	5.1	0.7965591	0.8192319		2.8	+/-50
4-Methylphenol	A	5.0000	4.9	1.3794240	1.3458060		-2.4	+/-50
Nitrobenzene	A	5.0000	5.0	0.3354574	0.3326707		-0.8	+/-50
Isophorone	A	5.0000	5.3	0.4275424	0.4559427		6.6	+/-50
2-Nitrophenol	A	5.0000	5.3	0.2064997	0.2291351		6.7	+/-50
2,4-Dimethylphenol	A	10.000	9.5	0.3501131	0.3314908		-5.3	+/-50
Bis(2-Chloroethoxy)methane	A	5.0000	4.6	0.3325989	0.3066220		-7.8	+/-50
2,4-Dichlorophenol	A	10.000	10.2	0.2951237	0.3014082		2.1	+/-50
1,2,4-Trichlorobenzene	A	5.0000	4.4	0.3191088	0.2836408		-11.1	+/-50
Naphthalene	A	5.0000	4.5	0.9843833	0.8905064		-9.5	+/-50
Benzoic acid	A	20.000	16.5	0.1508906	0.1821334		-17.7	+/-50
4-Chloroaniline	A	10.000	9.9	0.4059568	0.4009825		-1.2	+/-50
Hexachlorobutadiene	A	5.0000	4.7	0.1583286	0.1487629		-6.0	+/-50
4-Chloro-3-Methylphenol	A	10.000	10.3	0.2785027	0.2878108		3.3	+/-50
2-Methylnaphthalene	A	5.0000	4.8	0.7220739	0.6897975		-4.5	+/-50
Hexachlorocyclopentadiene	A	10.000	3.6	0.3023695	0.1086819		-64.1	+/-50
2,4,6-Trichlorophenol	A	10.000	10.4	0.3338641	0.3462884		3.7	+/-50
2,4,5-Trichlorophenol	A	10.000	9.9	0.3853234	0.3824028		-0.8	+/-50
2-Chloronaphthalene	A	5.0000	4.6	1.1441150	1.0481300		-8.4	+/-50
2-Nitroaniline	A	10.000	11.3	0.3007956	0.3389274		12.7	+/-50
Acenaphthylene	A	5.0000	5.0	1.7445240	1.7594450		0.9	+/-50
Dimethylphthalate	A	5.0000	4.8	1.1280520	1.0808130		-4.2	+/-50
2,6-Dinitrotoluene	A	10.000	10.1	0.2545771	0.2581819		1.4	+/-50

* Values outside of QC limits

CONTINUING CALIBRATION CHECK

EPA 8270E

Laboratory:	Analytical Resources, LLC	SDG:	22L0307
Client:	Anchor QEA, LLC	Project:	AOC4 UR Phase 3
Instrument ID:	NT14	Calibration:	FL00066
Lab File ID:	NT1422123083.D	Calibration Date:	12/30/2022
Sequence:	SKL0355	Injection Date:	01/01/23
Lab Sample ID:	SKL0355-CCV1	Injection Time:	09:41
Sequence Name:	ABN 5		

		CONC. (ug/mL)		RESPONSE FACTOR (RRF)			% DRIFT/DIFF	
COMPOUND	TYPE	STD	CCV	ICAL	CCV	MIN	CCV	LIMIT
Acenaphthene	A	5.0000	4.6	1.0820160	0.9999683		-7.6	+/-50
3-Nitroaniline	A	10.000	9.7	0.3094189	0.2995874		-3.2	+/-50
2,4-Dinitrophenol	A	20.000	13.3	0.1831718	0.1482472		-33.5	+/-50
Dibenzofuran	A	5.0000	4.5	1.6225950	1.4657240		-9.7	+/-50
4-Nitrophenol	A	10.000	9.2	0.1384031	0.1391299		-8.0	+/-50
2,4-Dinitrotoluene	A	10.000	9.9	0.3492859	0.3448000		-1.3	+/-50
Fluorene	A	5.0000	5.1	1.7261350	1.7687430		2.5	+/-50
4-Chlorophenylphenyl ether	A	5.0000	4.9	0.8450792	0.8314608		-1.6	+/-50
Diethyl phthalate	A	5.0000	5.4	1.5332690	1.6478880		7.5	+/-50
4-Nitroaniline	A	10.000	9.0	0.3413732	0.3423503		-10.0	+/-50
4,6-Dinitro-2-methylphenol	A	20.000	16.5	0.1530278	0.1432829		-17.7	+/-50
N-Nitrosodiphenylamine	A	5.0000	4.8	0.6863845	0.6588924		-4.0	+/-50
4-Bromophenyl phenyl ether	A	5.0000	4.7	0.2599074	0.2455607		-5.5	+/-50
Hexachlorobenzene	A	5.0000	4.6	0.2852204	0.2597005		-8.9	+/-50
Pentachlorophenol	A	10.000	6.1	0.1128364	0.0780640		-38.7	+/-50
Phenanthrene	A	5.0000	4.5	1.0429190	0.9402024		-9.8	+/-50
Anthracene	A	5.0000	4.9	0.9956202	0.9773434		-1.8	+/-50
Carbazole	A	5.0000	4.7	0.9624945	0.9134956		-5.1	+/-50
Di-n-Butylphthalate	A	5.0000	5.4	1.0394700	1.2185270		7.3	+/-50
Fluoranthene	A	5.0000	4.6	1.2879410	1.1892920		-7.7	+/-50
Pyrene	A	5.0000	4.5	1.3541610	1.2242240		-9.6	+/-50
Butylbenzylphthalate	A	5.0000	5.4	0.4650792	0.5665680		8.8	+/-50
Benzo(a)anthracene	A	5.0000	4.8	1.2117210	1.1678500		-3.6	+/-50
3,3'-Dichlorobenzidine	A	15.000	16.9	0.3709370	0.4172378		12.5	+/-50
Chrysene	A	5.0000	4.7	1.1445730	1.0805530		-5.6	+/-50
bis(2-Ethylhexyl)phthalate	A	5.0000	4.9	0.4442323	0.4327024		-2.6	+/-50
Di-n-Octylphthalate	A	5.0000	4.3	0.9601702	0.8245230		-14.1	+/-50
Benzofluoranthenes, Total	A	10.000	10.9	1.2153330	1.3219910		8.8	+/-50
Benzo(a)pyrene	A	5.0000	5.0	1.0450150	1.0478520		0.3	+/-50
Indeno(1,2,3-cd)pyrene	A	5.0000	2.6	1.1879490	0.6106120		-48.6	+/-50
Dibenzo(a,h)anthracene	A	5.0000	2.7	1.0094890	0.5545234		-45.1	+/-50
Benzo(g,h,i)perylene	A	5.0000	2.1	0.9951726	0.4142591		-58.4	+/-50
1-Methylnaphthalene	A	5.0000	4.8	0.6937882	0.6669162		-3.9	+/-50
2-Fluorophenol	A	7.5000	7.42	1.2814900	1.2675890		-1.1	+/-50

* Values outside of QC limits

CONTINUING CALIBRATION CHECK

EPA 8270E

Laboratory:	Analytical Resources, LLC	SDG:	22L0307
Client:	Anchor QEA, LLC	Project:	AOC4 UR Phase 3
Instrument ID:	NT14	Calibration:	FL00066
Lab File ID:	NT1422123083.D	Calibration Date:	12/30/2022
Sequence:	SKL0355	Injection Date:	01/01/23
Lab Sample ID:	SKL0355-CCV1	Injection Time:	09:41
Sequence Name:	ABN 5		

		CONC. (ug/mL)		RESPONSE FACTOR (RRF)			% DRIFT/DIFF	
COMPOUND	TYPE	STD	CCV	ICAL	CCV	MIN	CCV	LIMIT
Phenol-d5	A	7.5000	7.47	1.5836890	1.5763910		-0.5	+/-50
2-Chlorophenol-d4	A	7.5000	7.43	1.3300510	1.3175380		-0.9	+/-50
1,2-Dichlorobenzene-d4	A	5.0000	4.70	0.9090592	0.8543946		-6.0	+/-50
Nitrobenzene-d5	A	5.0000	5.26	0.3377760	0.3550974		5.1	+/-50
2-Fluorobiphenyl	A	5.0000	4.66	1.3448860	1.2542170		-6.7	+/-50
2,4,6-Tribromophenol	A	7.5000	6.74	0.1844845	0.1746731		-10.1	+/-50
p-Terphenyl-d14	A	5.0000	4.28	0.9601842	0.8214505		-14.4	+/-50

* Values outside of QC limits

Data File: \\target\share\chem3\nt14.i\20221230C.b\NT1422123083.D

Date : 01-JAN-2023 09:41

Client ID:

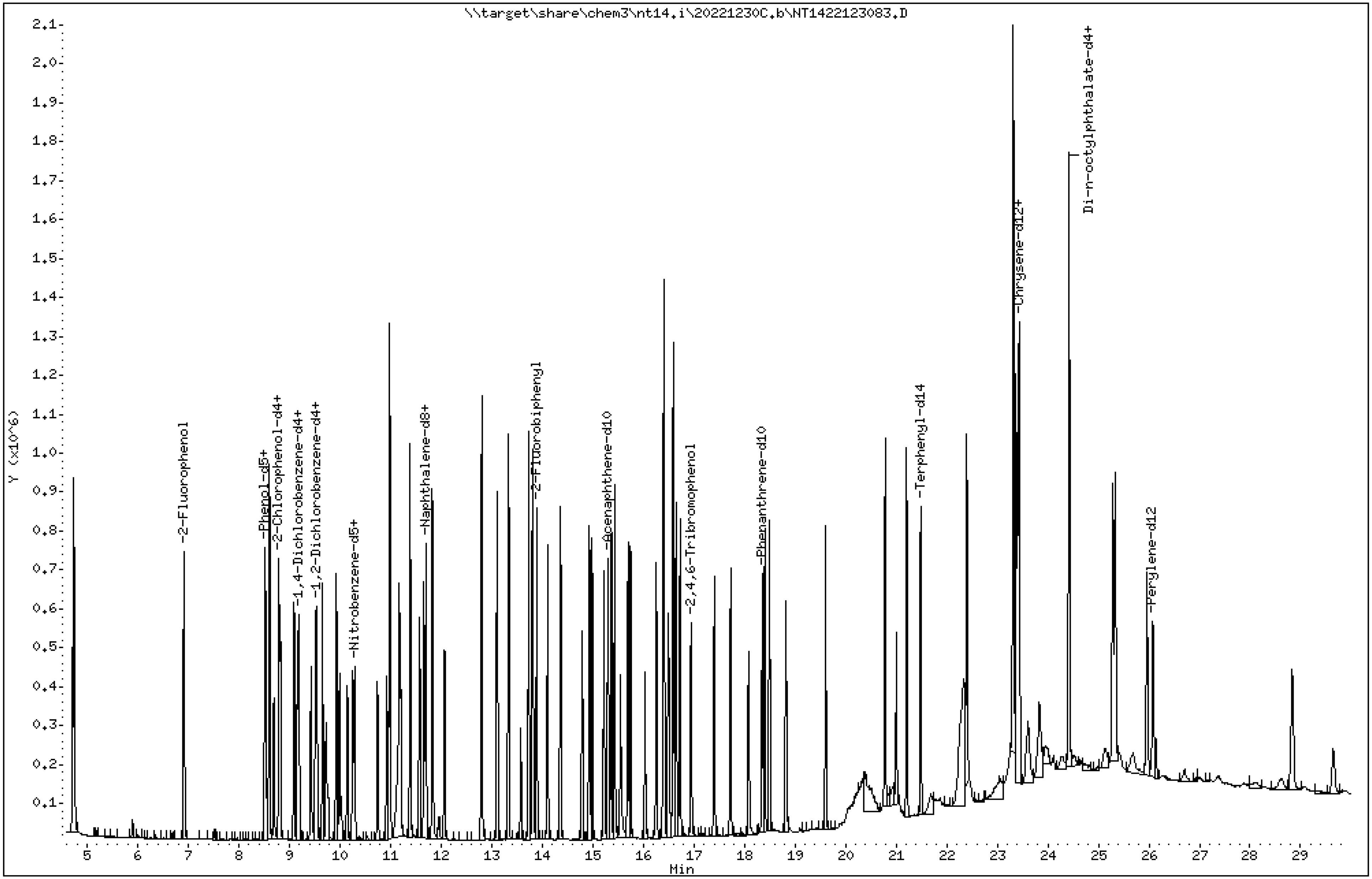
Instrument: nt14.i

Sample Info: SKL0355-CCV1

Operator: VTS

Column phase: ZB-5msi

Column diameter: 0.25



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Date : 01-JAN-2023 09:41

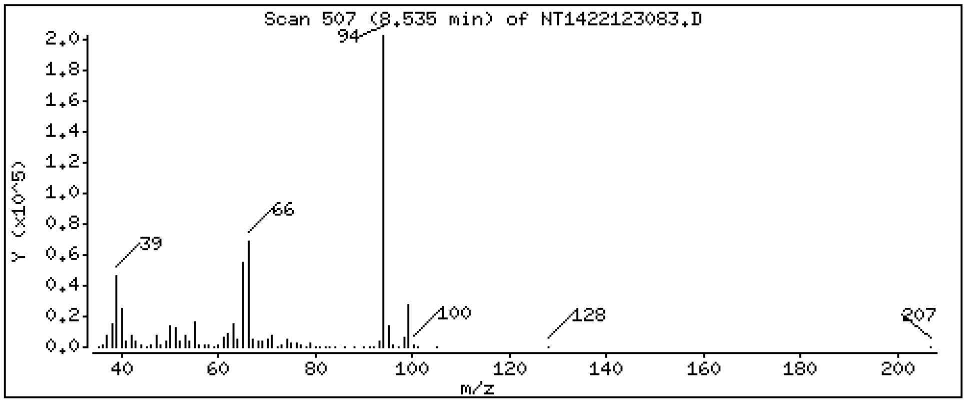
Client ID: Instrument: nt14.i

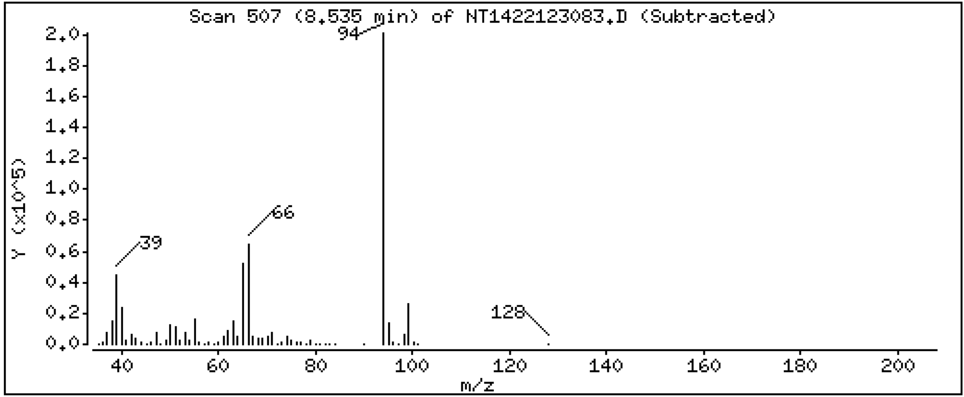
Sample Info: SKL0355-CCV1

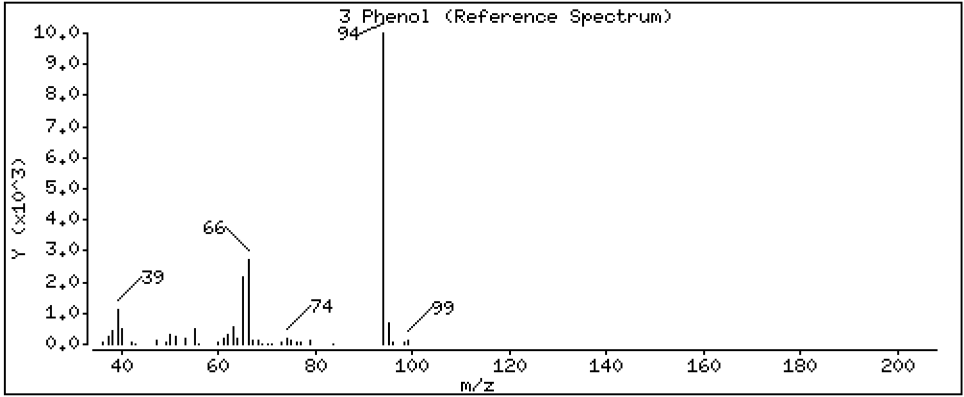
Operator: VTS

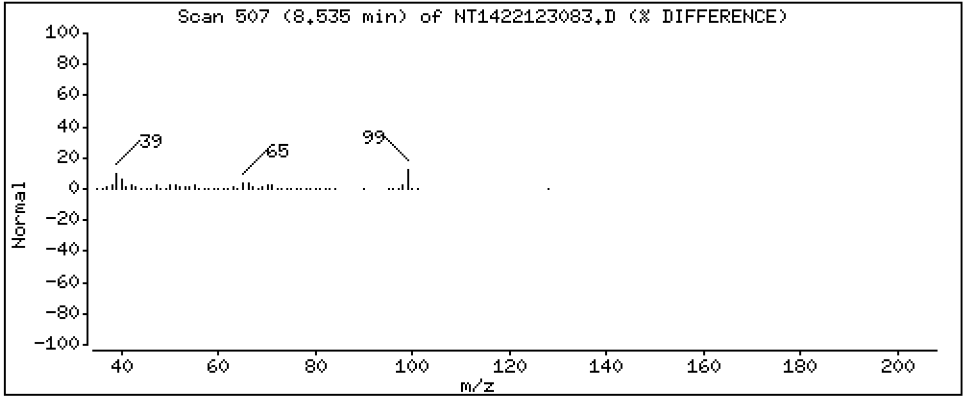
Column phase: ZB-5msi Column diameter: 0.25

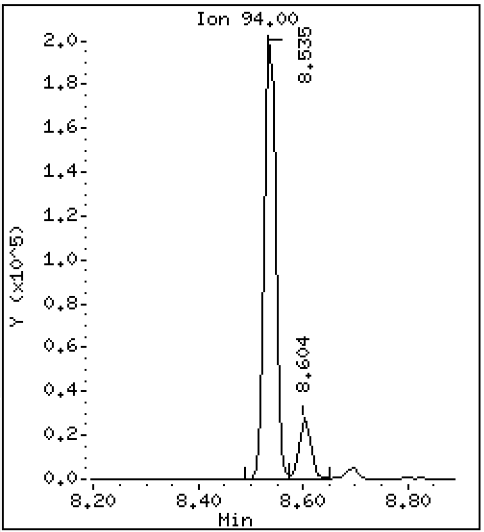
3 Phenol Concentration: 4.649 ug/mL

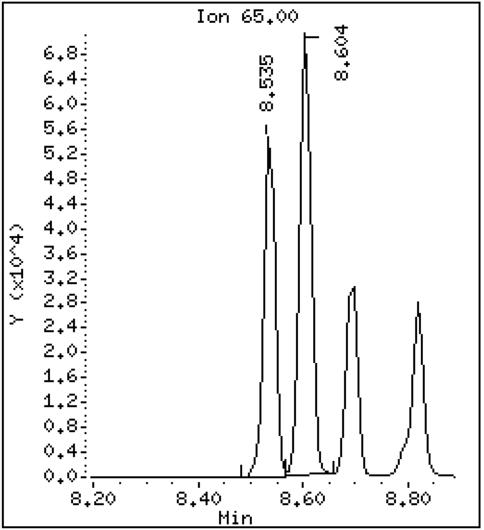


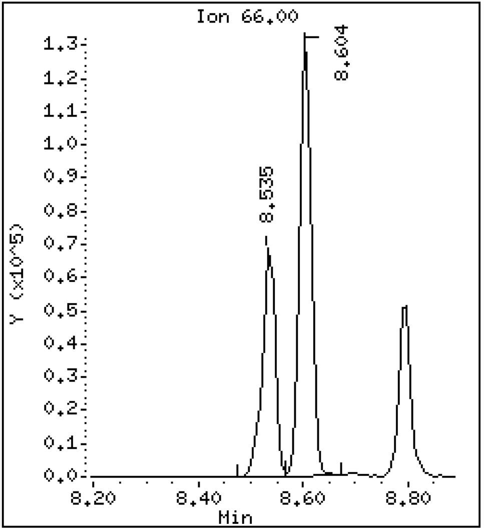












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Date : 01-JAN-2023 09:41

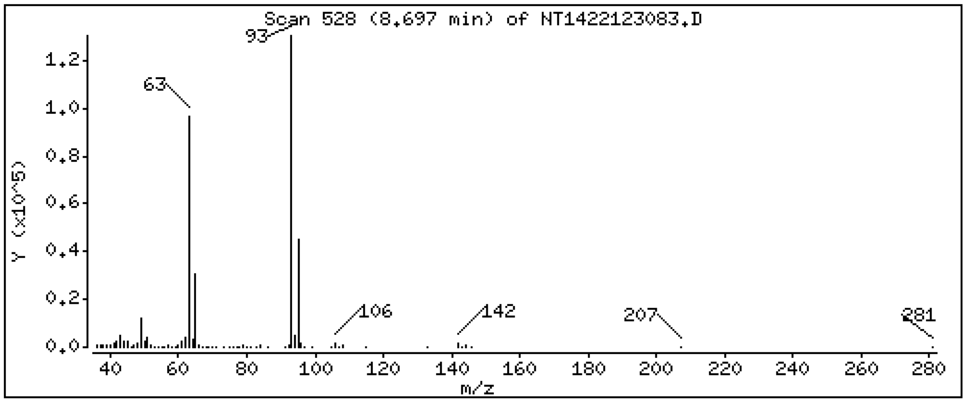
Client ID: Instrument: nt14.i

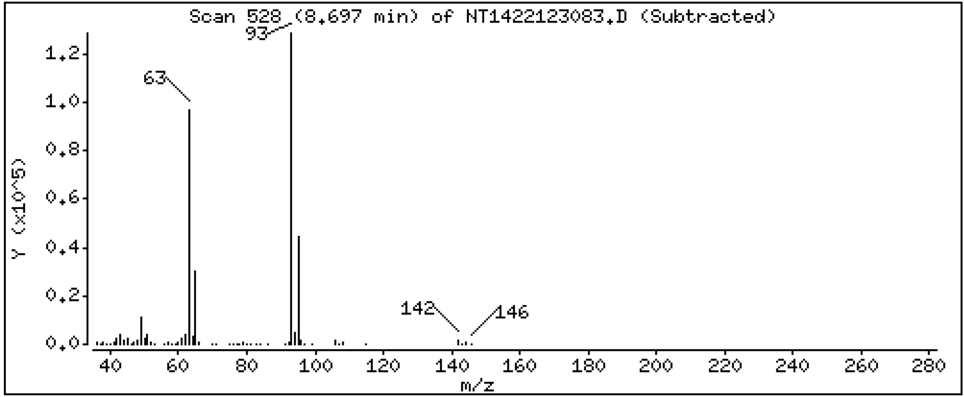
Sample Info: SKL0355-CCV1

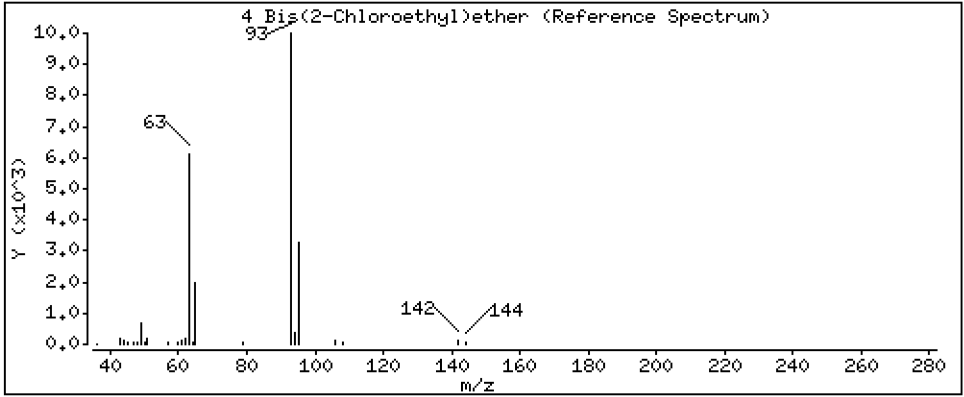
Operator: VTS

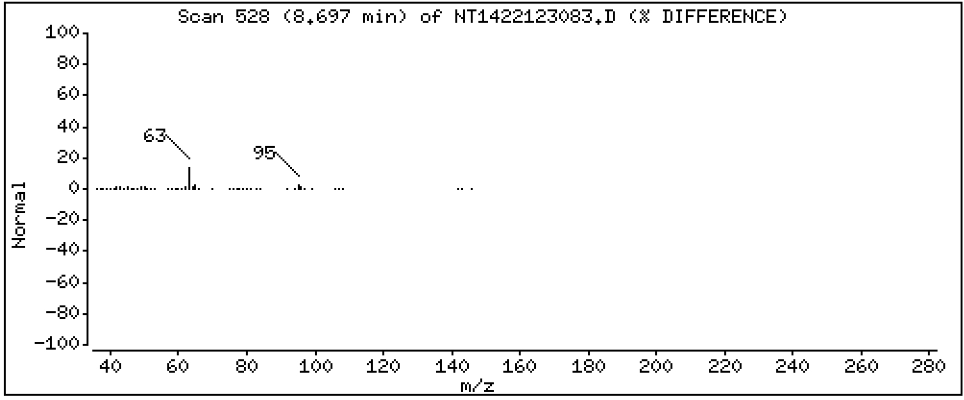
Column phase: ZB-5msi Column diameter: 0.25

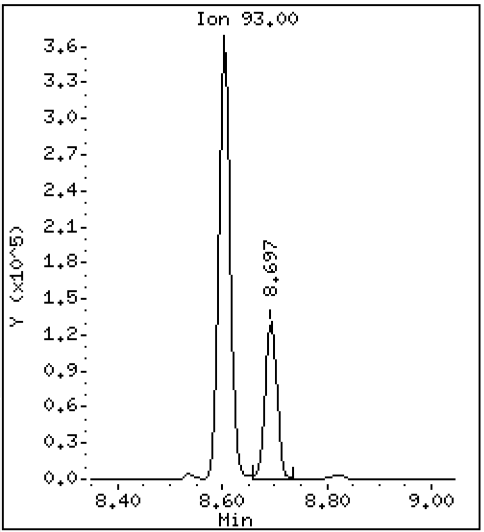
4 Bis(2-Chloroethyl)ether Concentration: 4.579 ug/mL

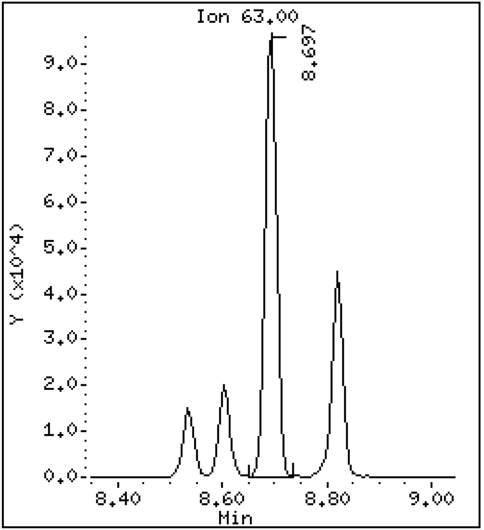


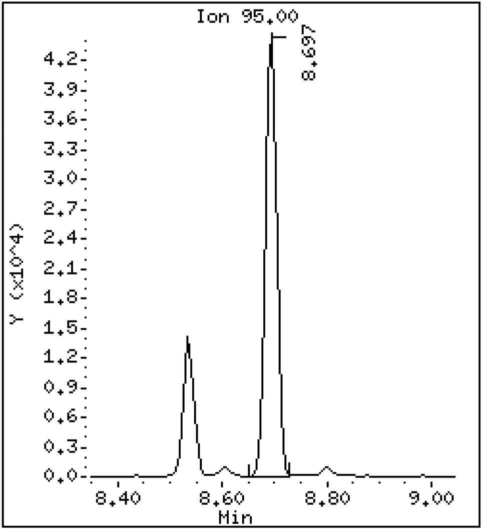












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Date : 01-JAN-2023 09:41

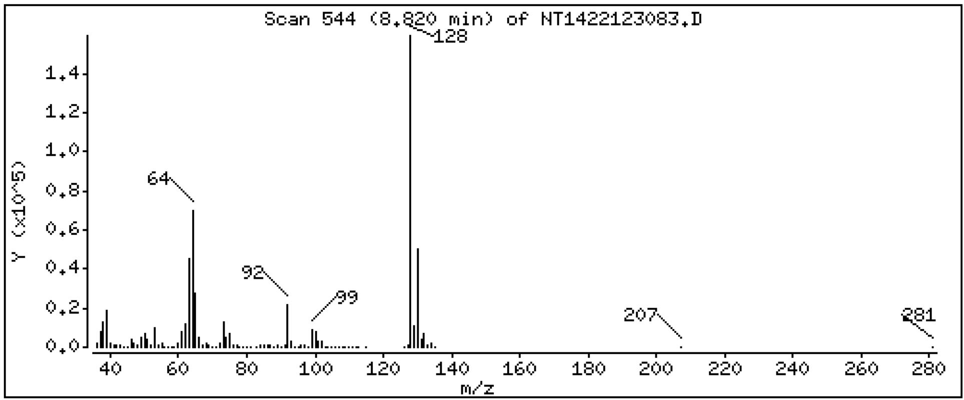
Client ID: Instrument: nt14.i

Sample Info: SKL0355-CCV1

Operator: VTS

Column phase: ZB-5msi Column diameter: 0.25

6 2-Chlorophenol Concentration: 4.708 ug/mL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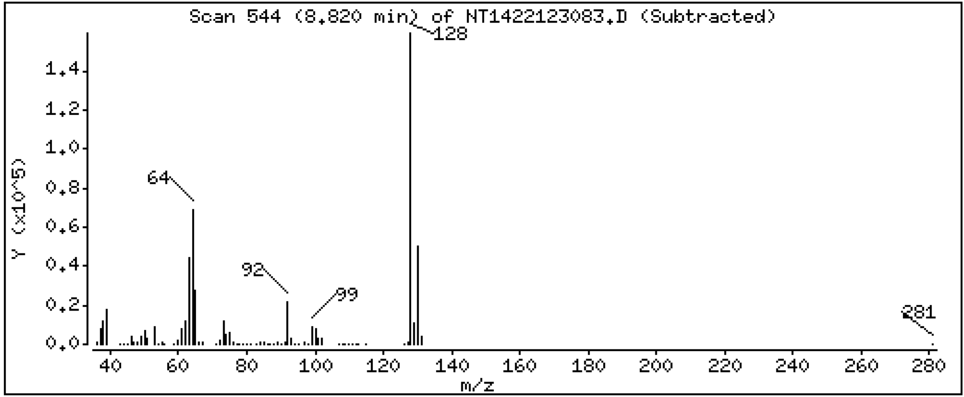
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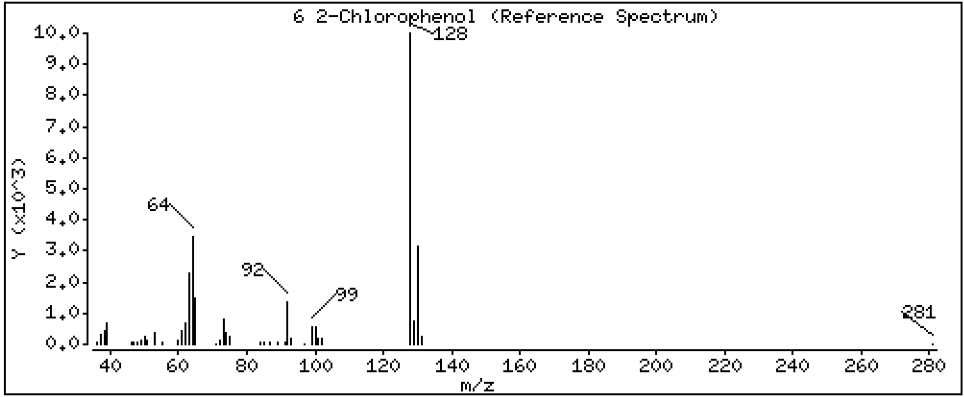
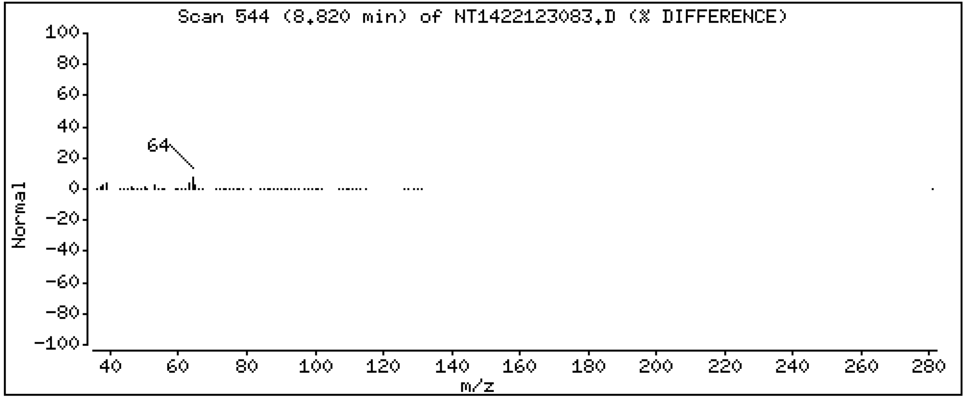
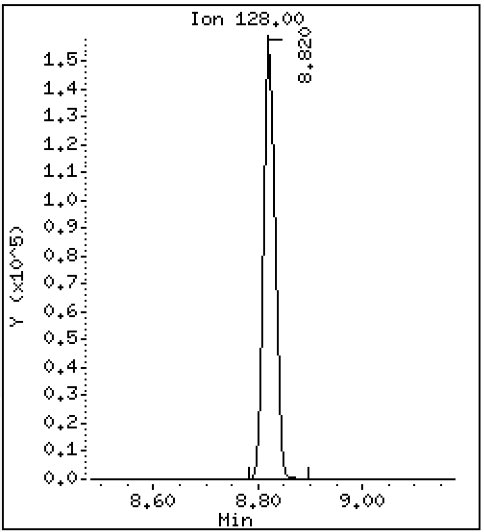

6 2-Chlorophenol (Reference Spectrum)


Scan 544 (8.820 min) of NT1422123083.D (% DIFFERENCE)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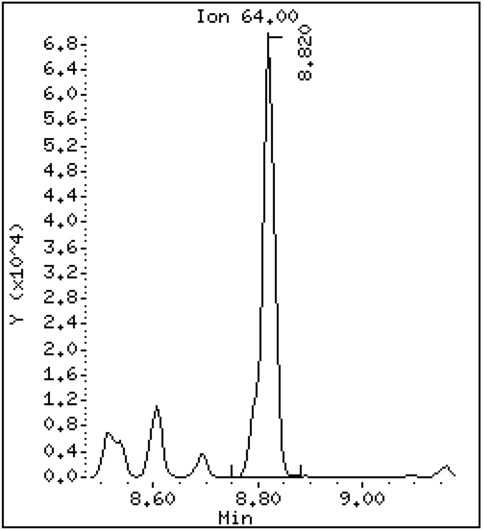
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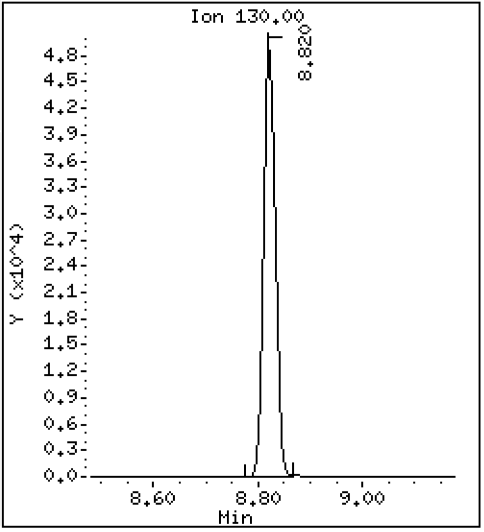
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Date : 01-JAN-2023 09:41

Client ID:

Instrument: nt14.i

Sample Info: SKL0355-CCV1

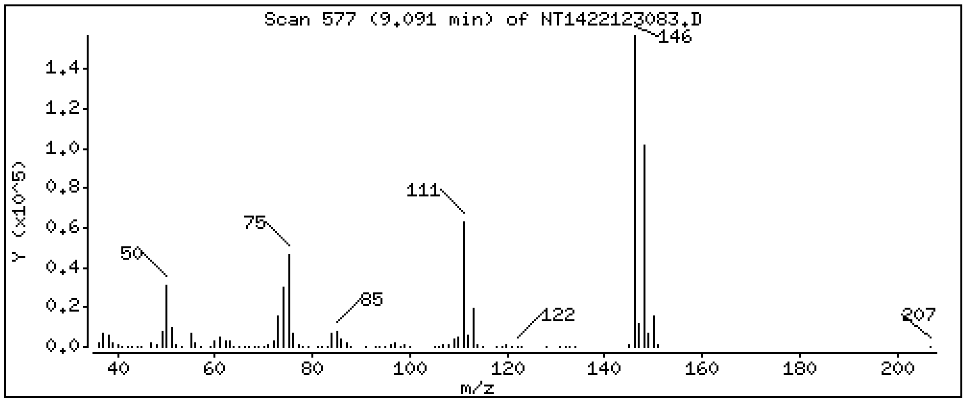
Operator: VTS

Column phase: ZB-5msi

Column diameter: 0.25

7 1,3-Dichlorobenzene

Concentration: 4.597 ug/mL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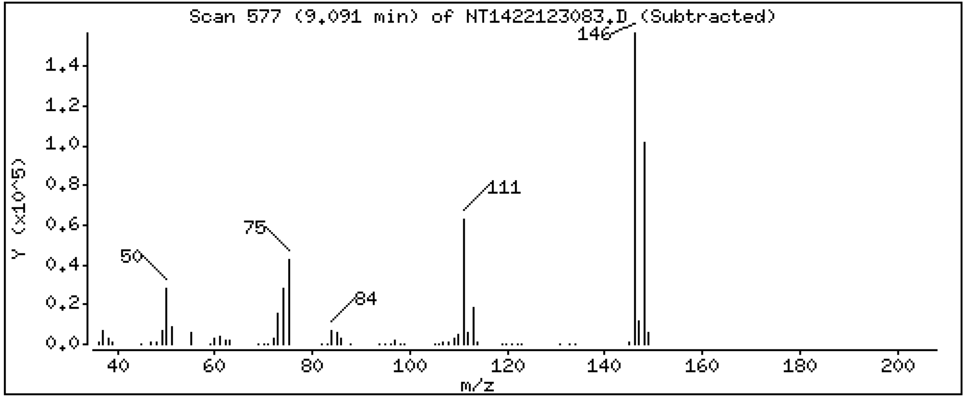
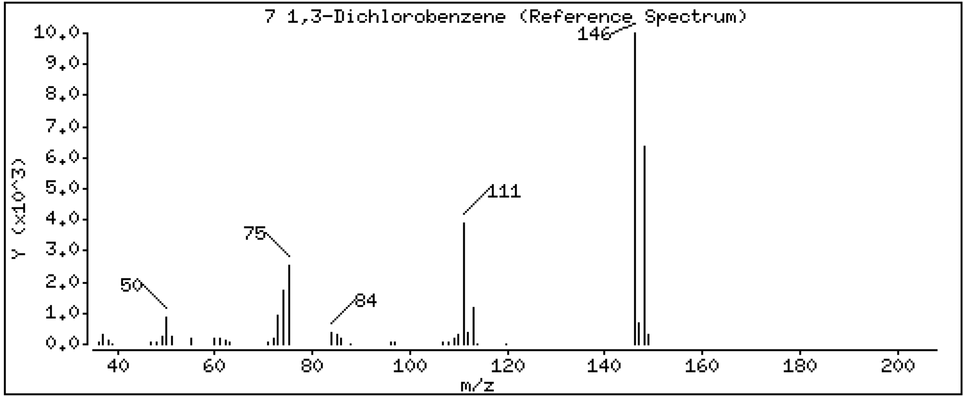
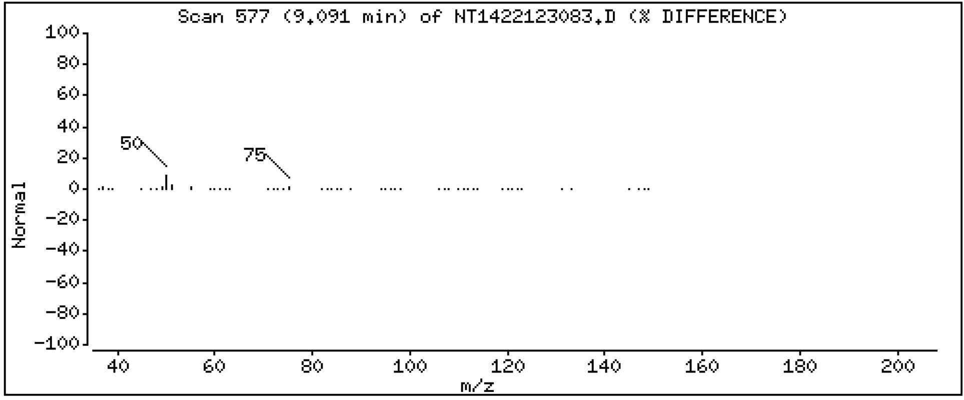
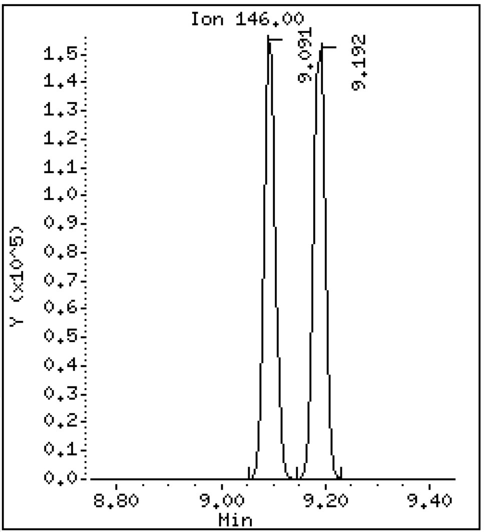

Scan 577 (9.091 min) of NT1422123083.D (Subtracted)


7 1,3-Dichlorobenzene (Reference Spectrum)


Scan 577 (9.091 min) of NT1422123083.D (% DIFFERENCE)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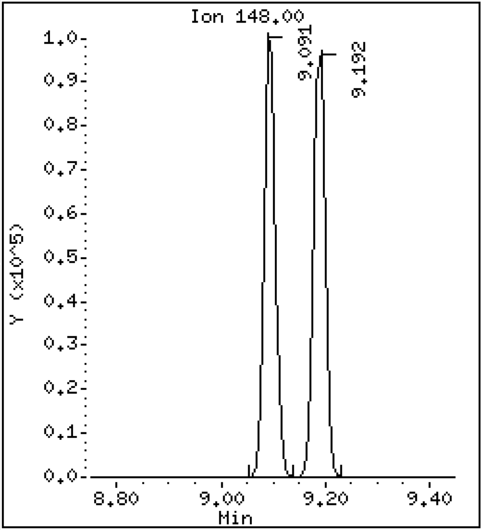
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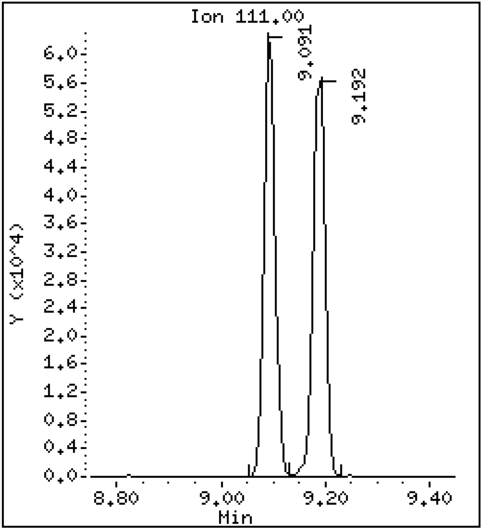
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Date : 01-JAN-2023 09:41

Client ID:

Instrument: nt14.i

Sample Info: SKL0355-CCV1

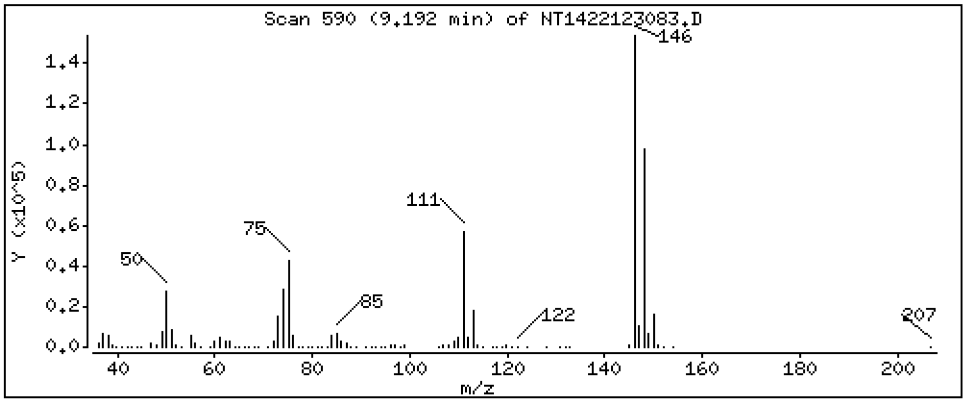
Operator: VTS

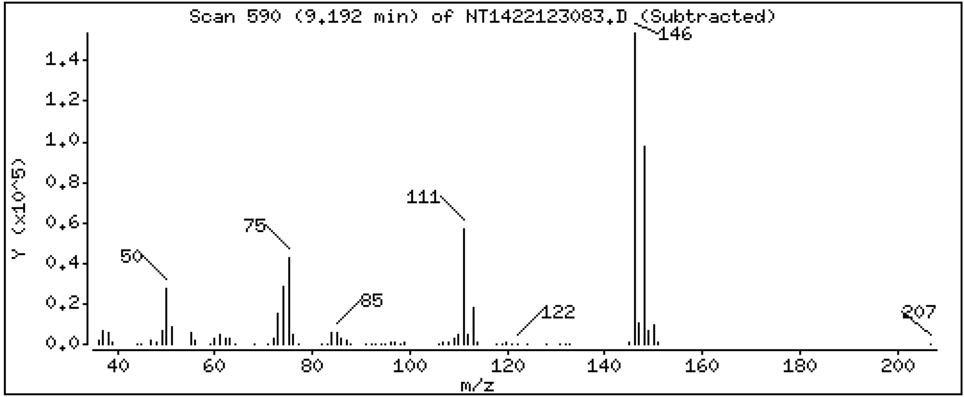
Column phase: ZB-5msi

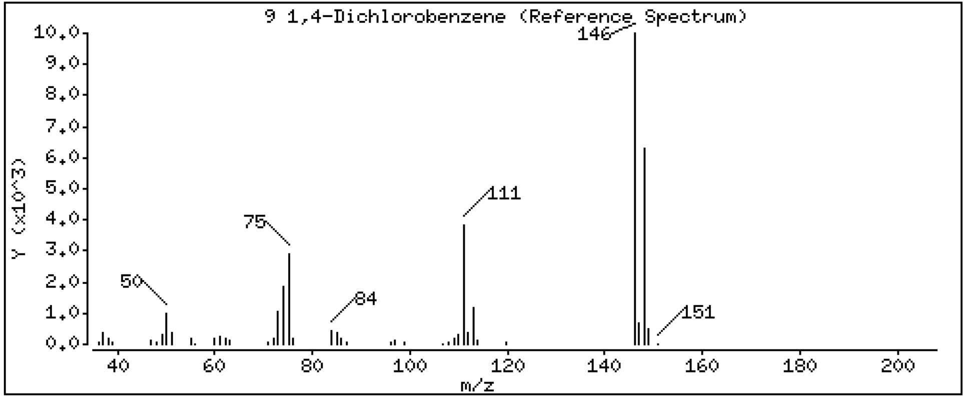
Column diameter: 0.25

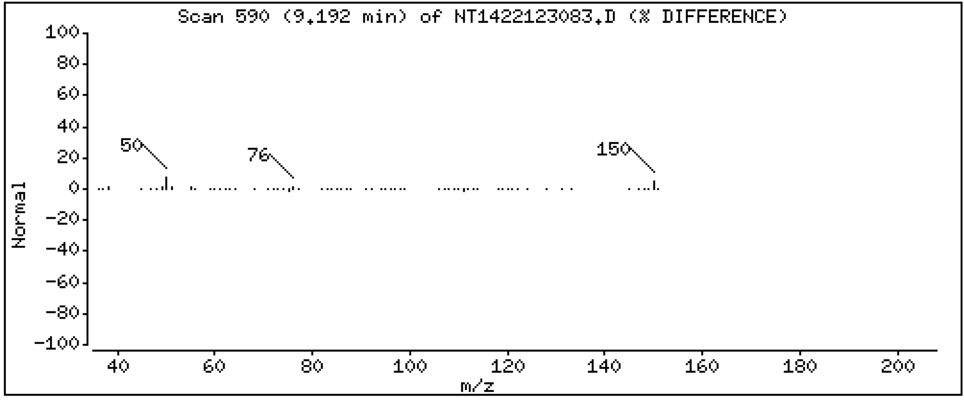
9 1,4-Dichlorobenzene

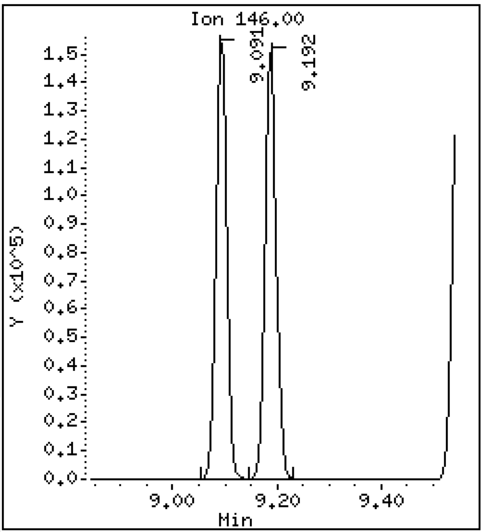
Concentration: 4.587 ug/mL

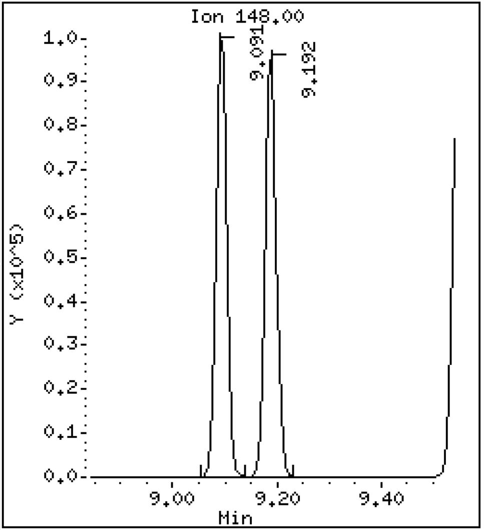


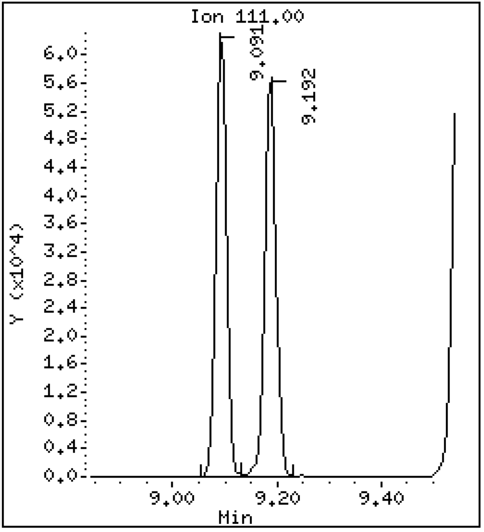












Data File: \\target\share\chem3\nt14.i\20221230C.b\NT1422123083.D

Date : 01-JAN-2023 09:41

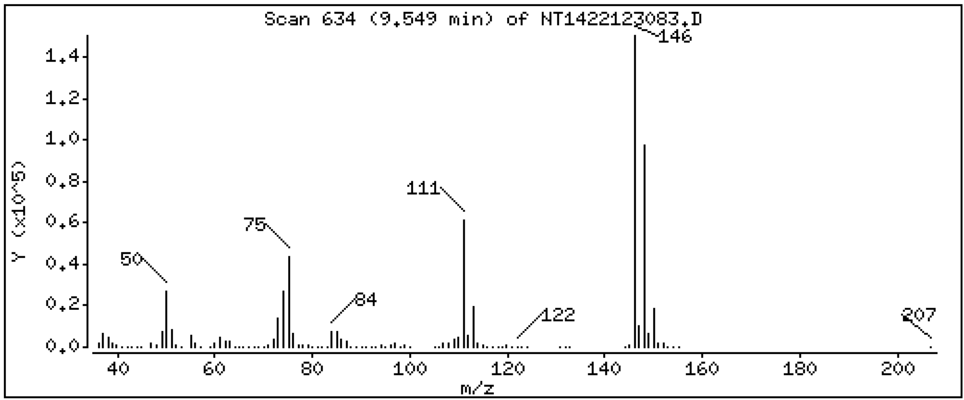
Client ID: Instrument: nt14.i

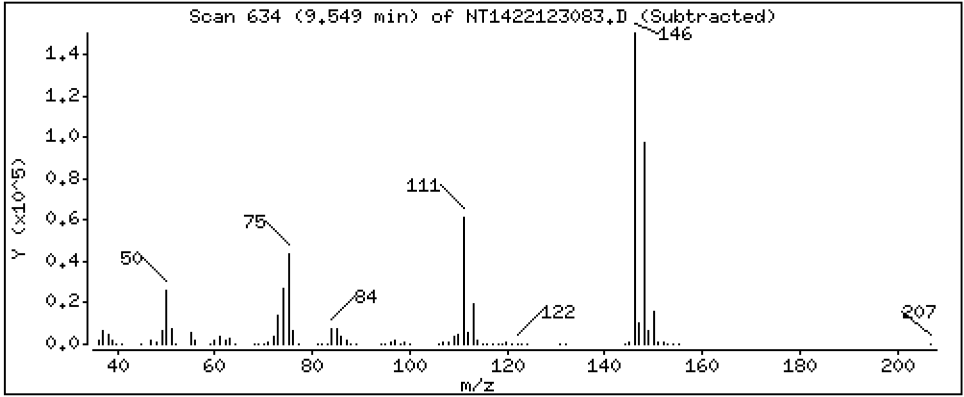
Sample Info: SKL0355-CCV1

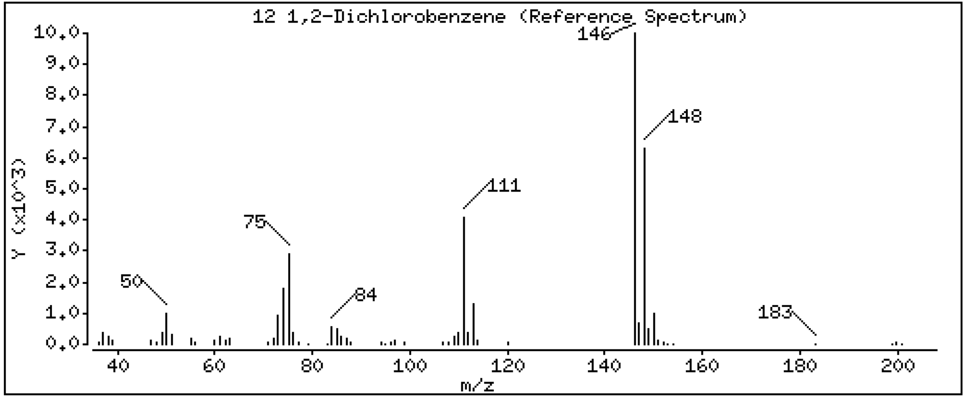
Operator: VTS

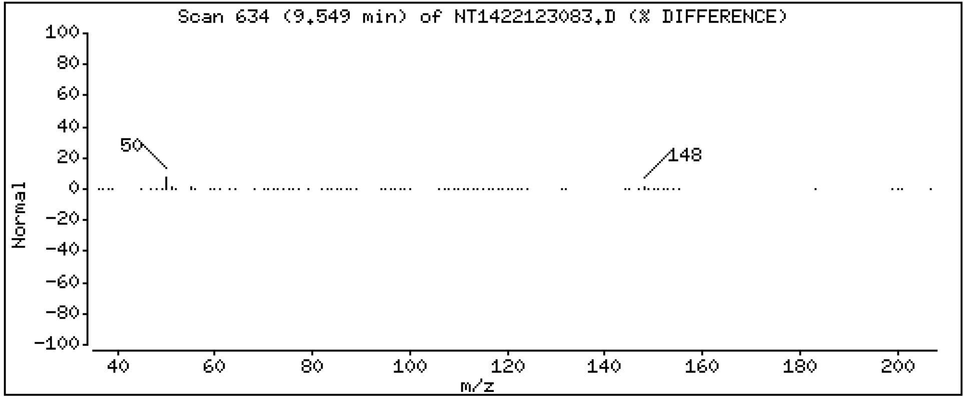
Column phase: ZB-5msi Column diameter: 0.25

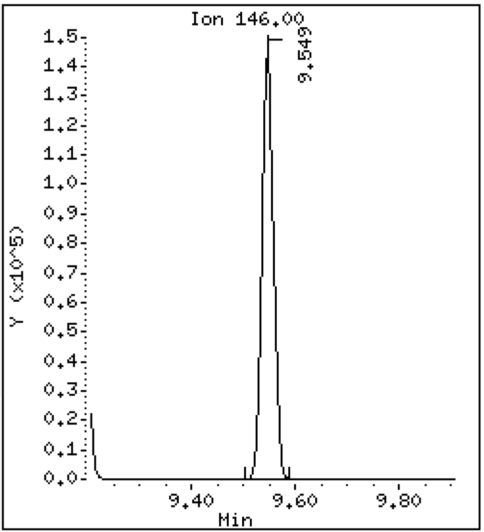
12 1,2-Dichlorobenzene Concentration: 4.592 ug/mL

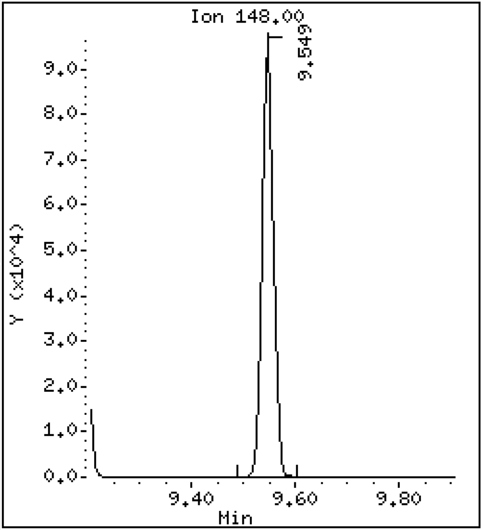

Scan 634 (9.549 min) of NT1422123083.D

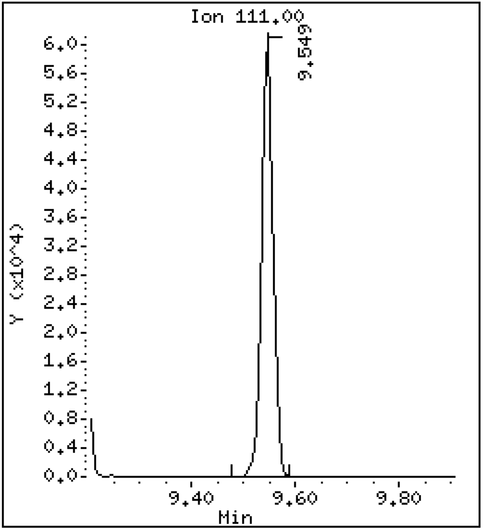

Scan 634 (9.549 min) of NT1422123083.D (Subtracted)


12 1,2-Dichlorobenzene (Reference Spectrum)


Scan 634 (9.549 min) of NT1422123083.D (% DIFFERENCE)


Ion 146.00


Ion 148.00


Ion 111.00

Data File: \\target\share\chem3\nt14.i\20221230C.b\NT1422123083.D

Date : 01-JAN-2023 09:41

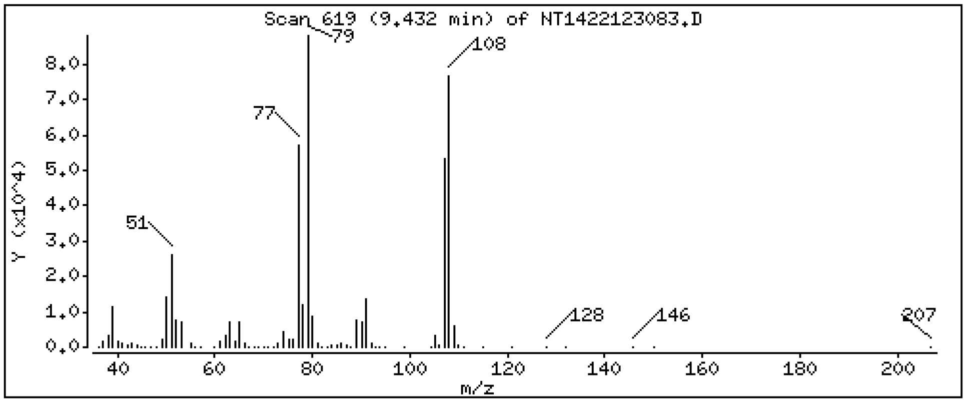
Client ID: Instrument: nt14.i

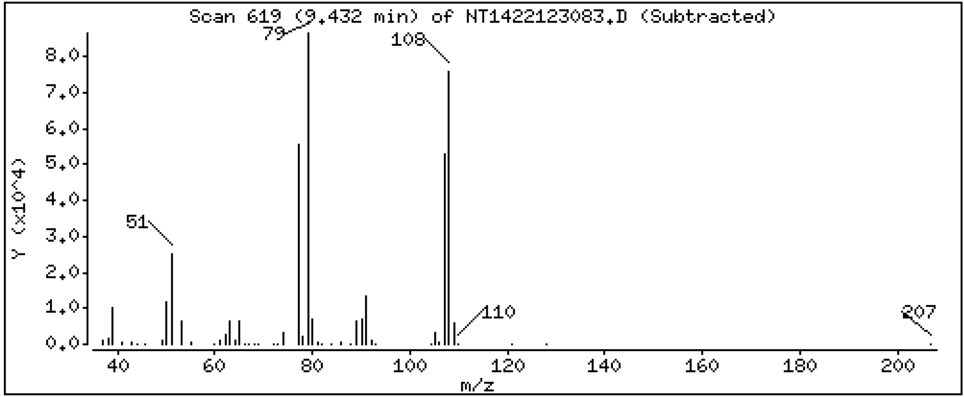
Sample Info: SKL0355-CCV1

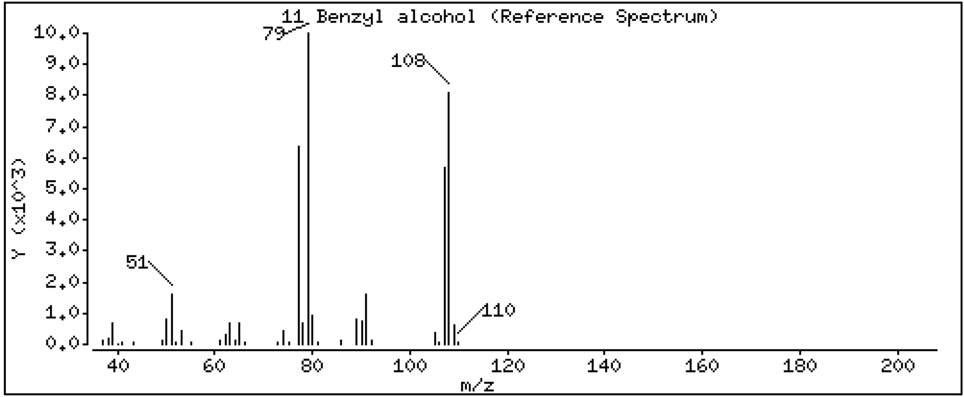
Operator: VTS

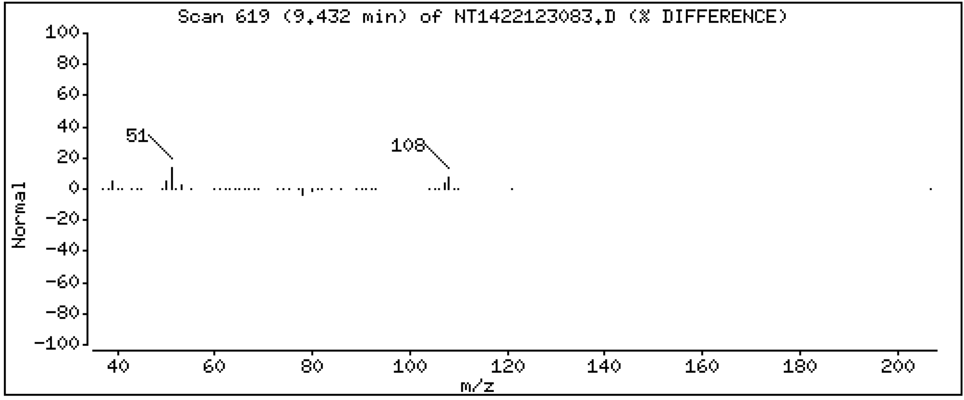
Column phase: ZB-5msi Column diameter: 0.25

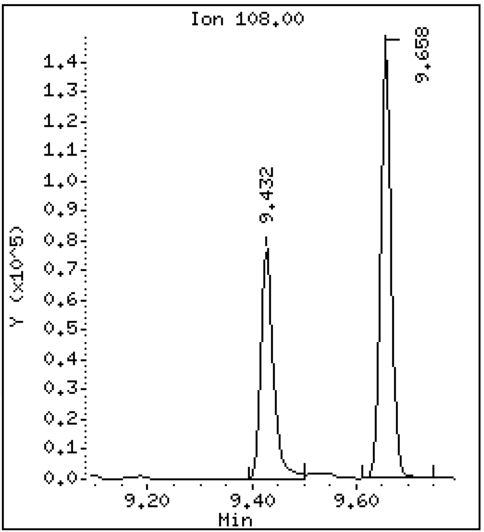
11 Benzyl alcohol Concentration: 4.860 ug/mL

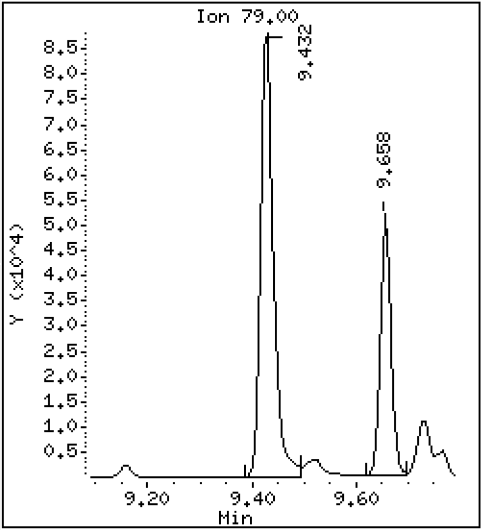


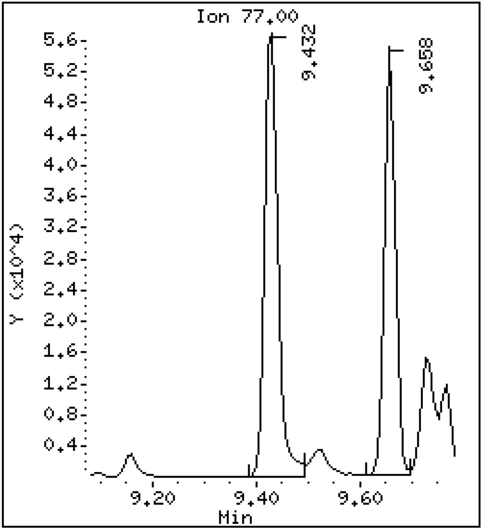












Data File: \\target\share\chem3\nt14.i\20221230C.b\NT1422123083.D

Date : 01-JAN-2023 09:41

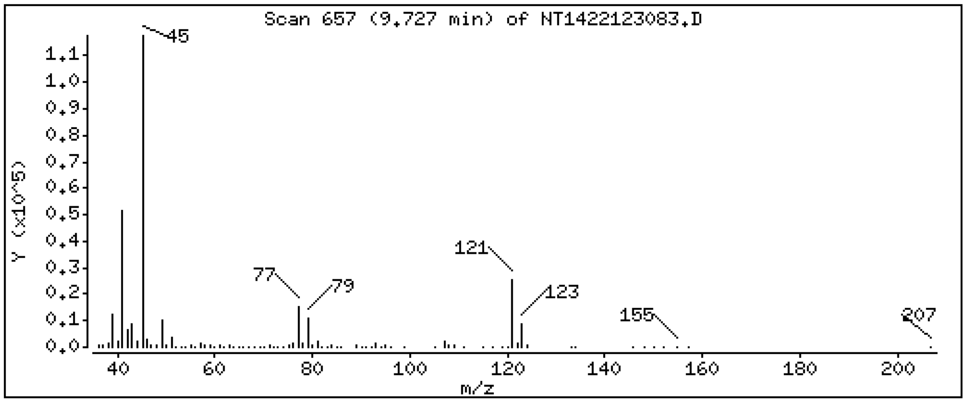
Client ID: Instrument: nt14.i

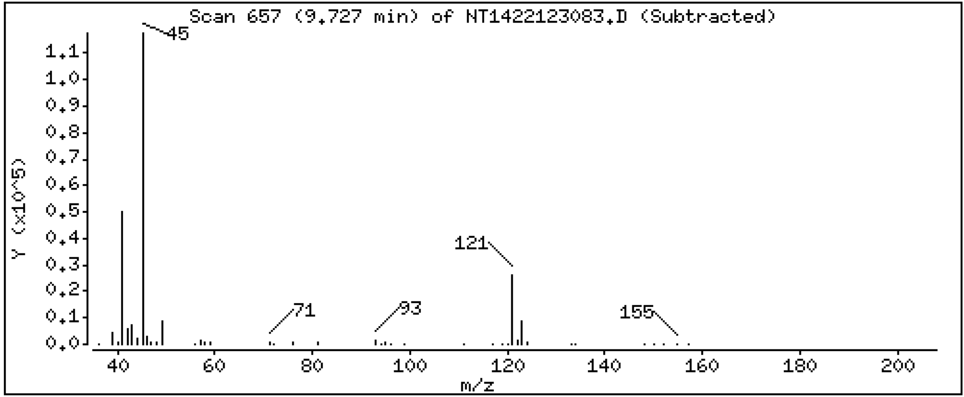
Sample Info: SKL0355-CCV1

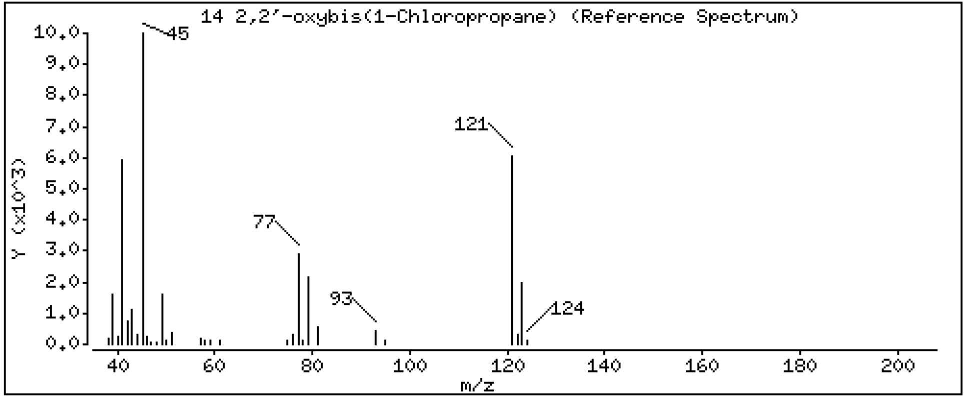
Operator: VTS

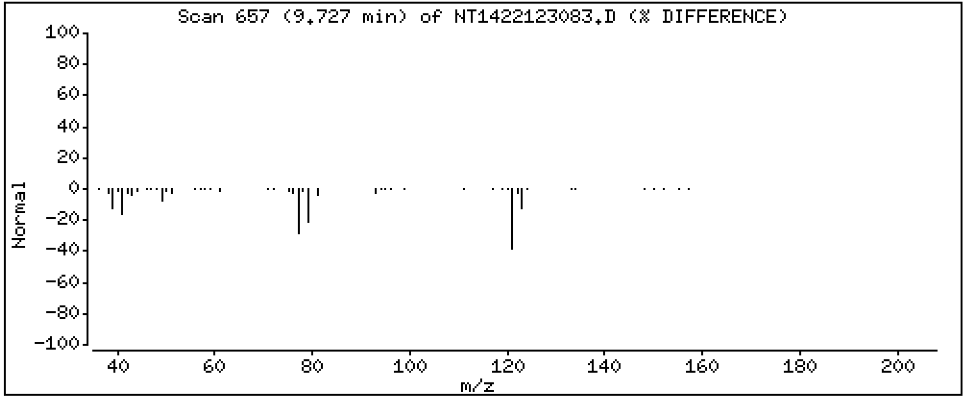
Column phase: ZB-5msi Column diameter: 0.25

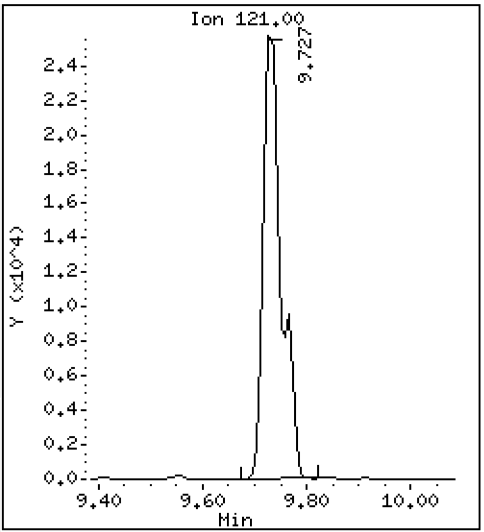
14 2,2'-oxybis(1-Chloropropane) Concentration: 4.295 ug/mL

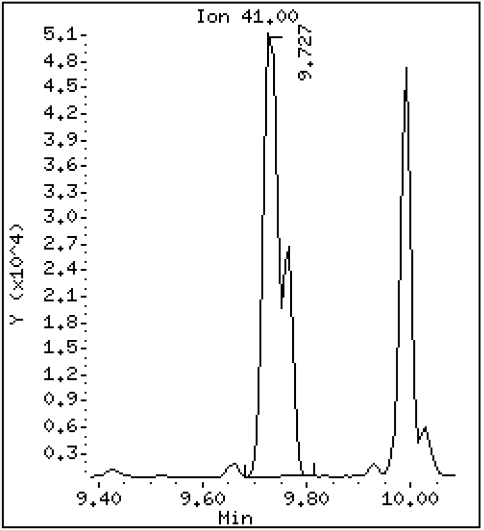


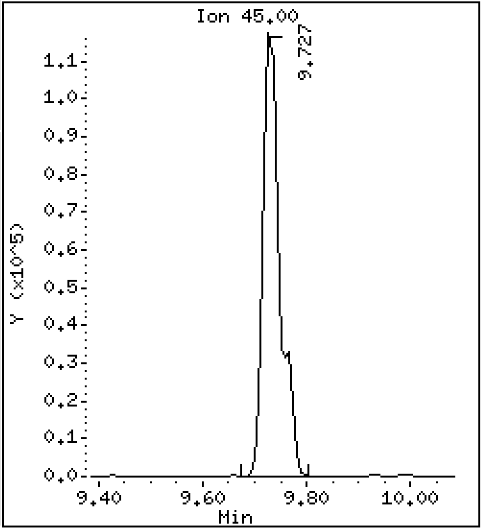












Data File: \\target\share\chem3\nt14.i\20221230C.b\NT1422123083.D

Date : 01-JAN-2023 09:41

Client ID:

Instrument: nt14.i

Sample Info: SKL0355-CCV1

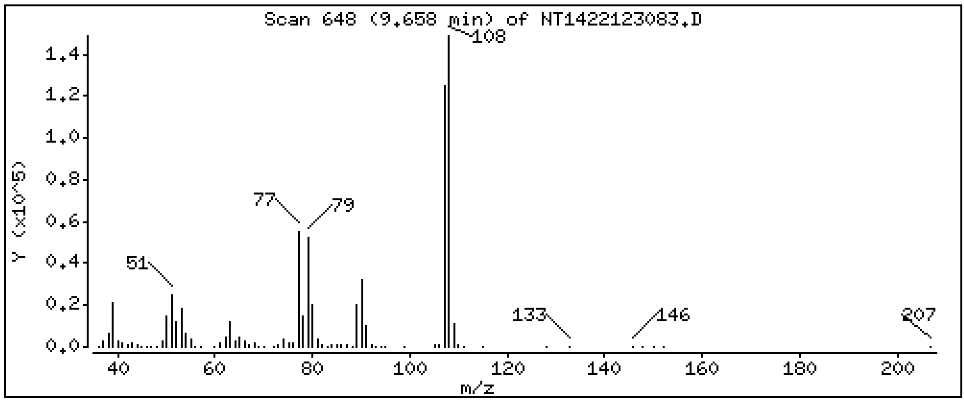
Operator: VTS

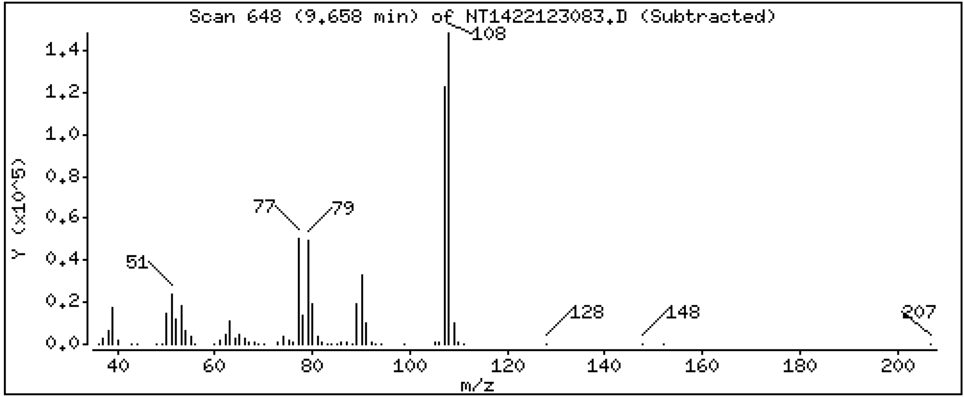
Column phase: ZB-5msi

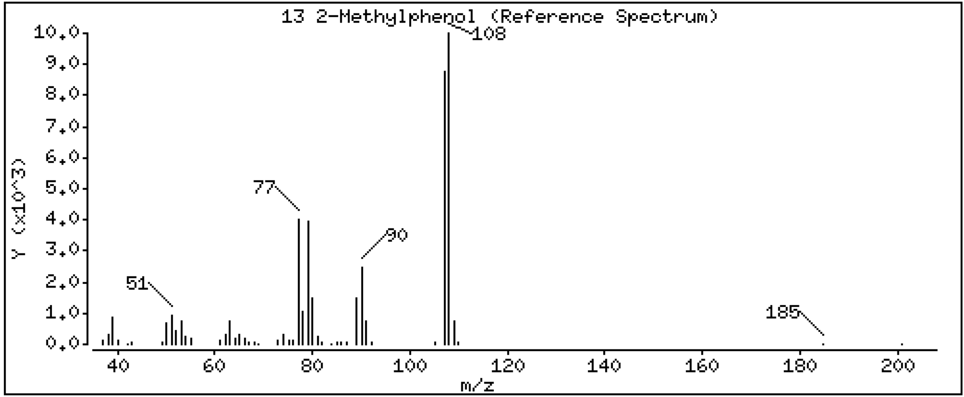
Column diameter: 0.25

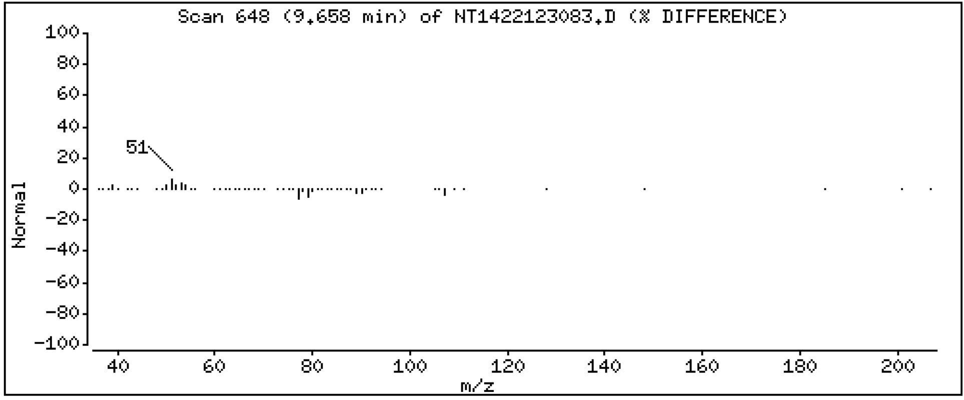
13 2-Methylphenol

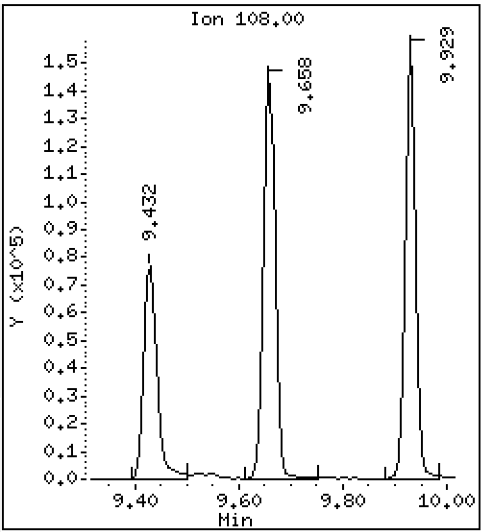
Concentration: 4.796 ug/mL

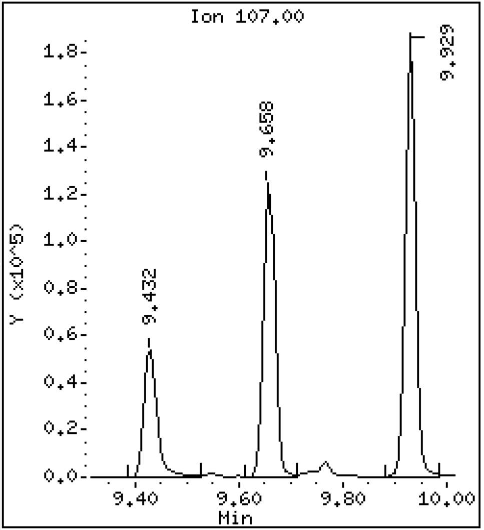

Scan 648 (9.658 min) of NT1422123083.D


Scan 648 (9.658 min) of NT1422123083.D (Subtracted)


13 2-Methylphenol (Reference Spectrum)


Scan 648 (9.658 min) of NT1422123083.D (% DIFFERENCE)


Ion 108.00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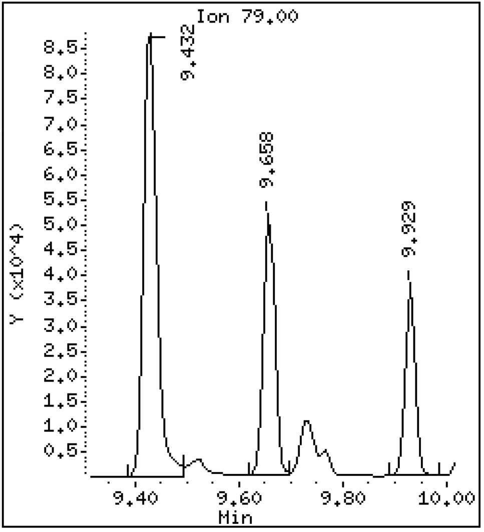

Ion 79.00

Data File: \\target\share\chem3\nt14.i\20221230C.b\NT1422123083.D

Date : 01-JAN-2023 09:41

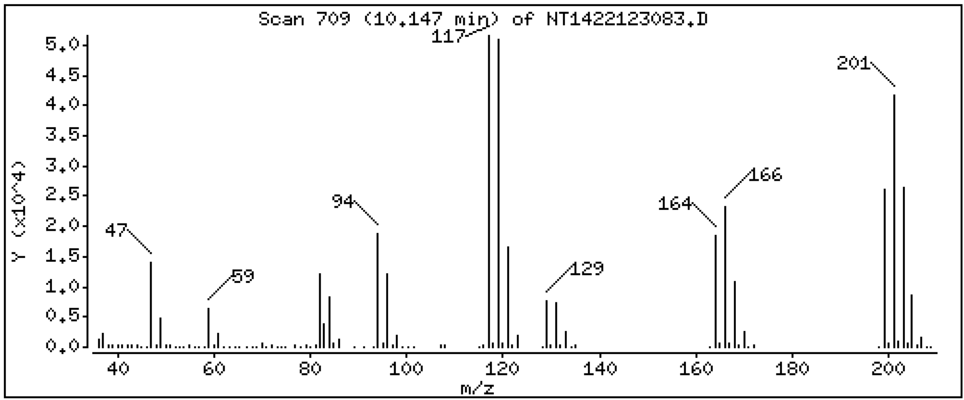
Client ID: Instrument: nt14.i

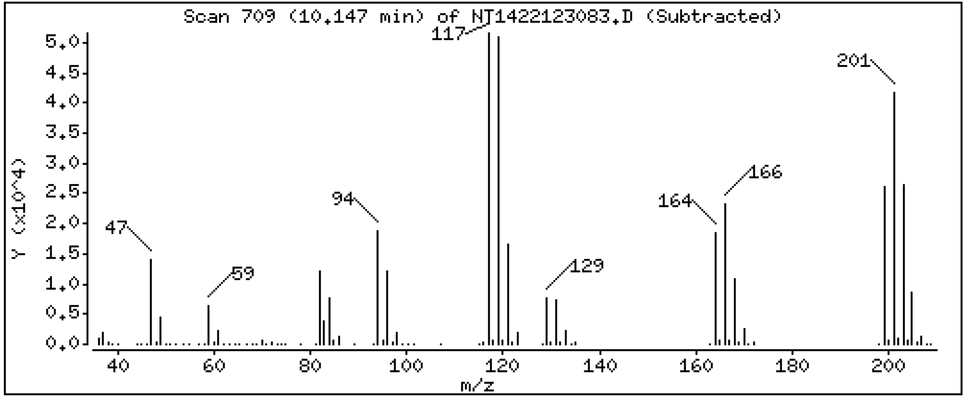
Sample Info: SKL0355-CCV1

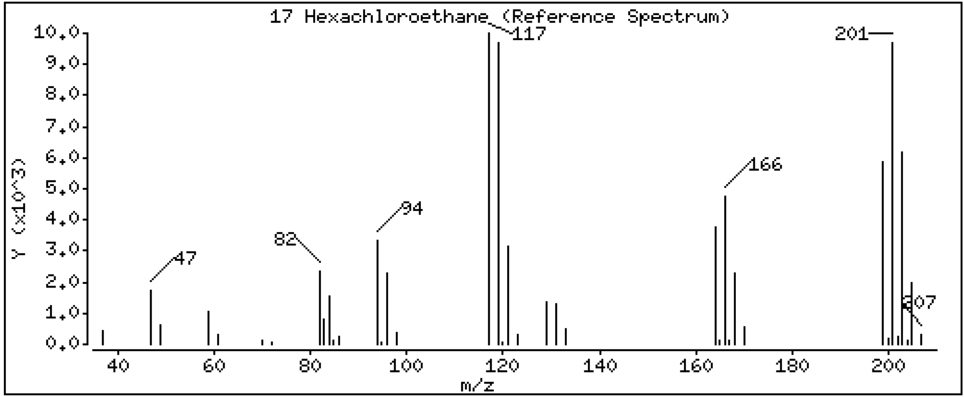
Operator: VTS

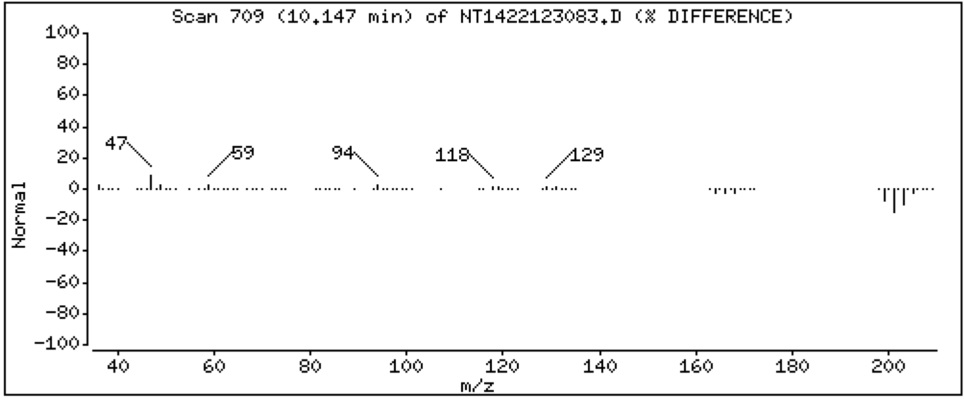
Column phase: ZB-5msi Column diameter: 0.25

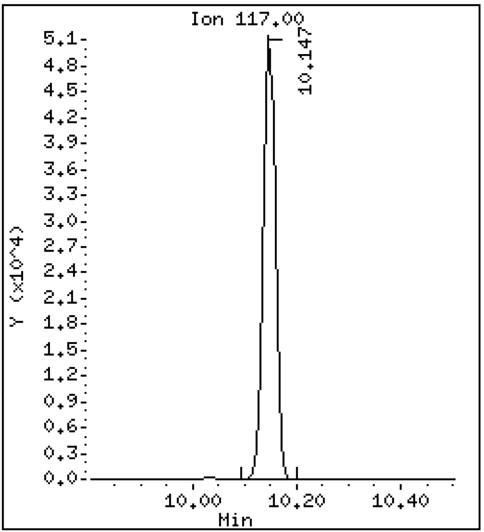
17 Hexachloroethane Concentration: 4.373 ug/mL


Scan 709 (10.147 min) of NT1422123083.D


Scan 709 (10.147 min) of NT1422123083.D (Subtracted)


17 Hexachloroethane (Reference Spectrum)


Scan 709 (10.147 min) of NT1422123083.D (% DIFFERENCE)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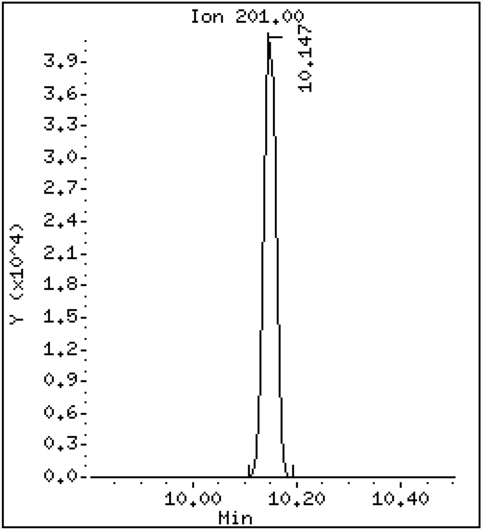
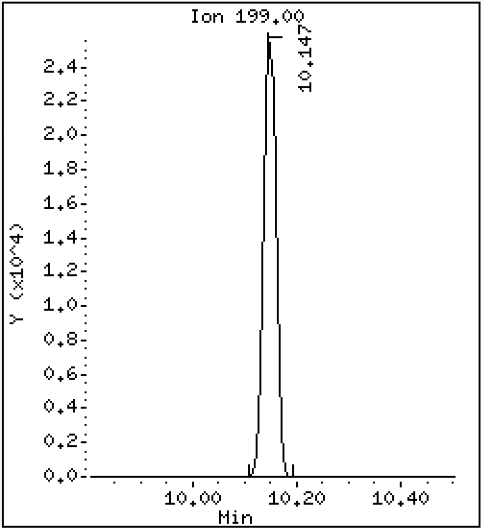

Ion 201.00


Ion 199.00

Data File: \\target\share\chem3\nt14.i\20221230C.b\NT1422123083.D

Date : 01-JAN-2023 09:41

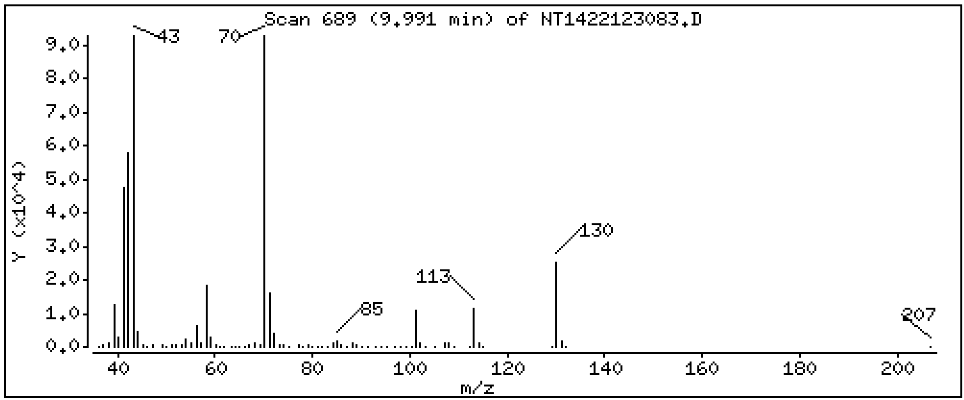
Client ID: Instrument: nt14.i

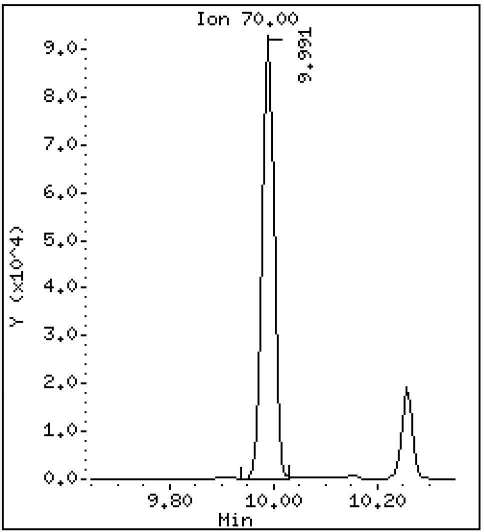
Sample Info: SKL0355-CCV1

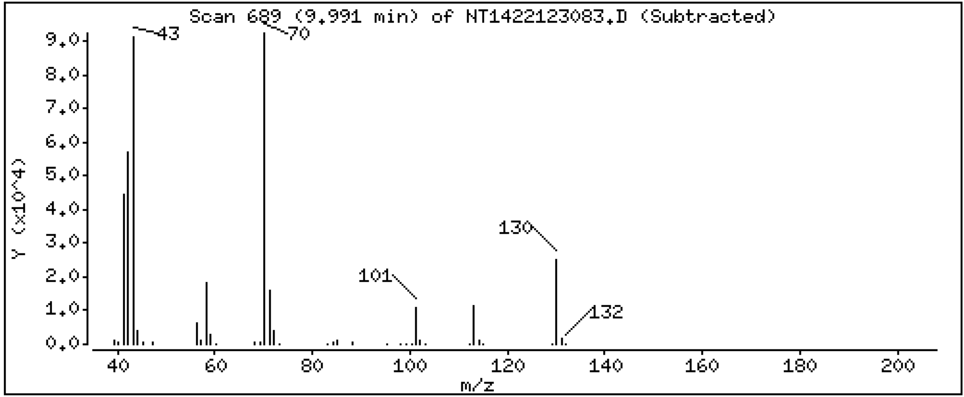
Operator: VTS

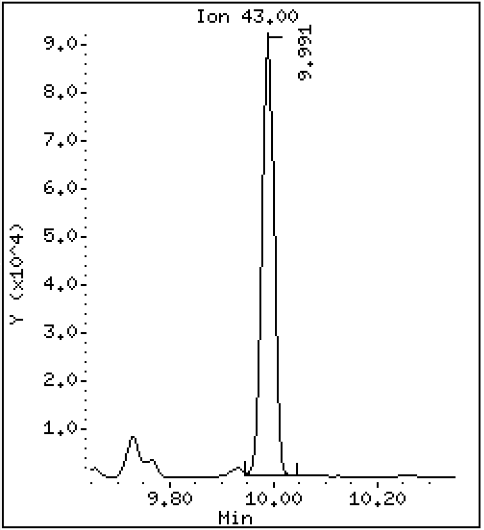
Column phase: ZB-5msi Column diameter: 0.25

16 N-Nitroso-di-n-propylamine Concentration: 5.142 ug/mL


Scan 689 (9.991 min) of NT1422123083.D


Ion 70.00


Scan 689 (9.991 min) of NT1422123083.D (Subtracted)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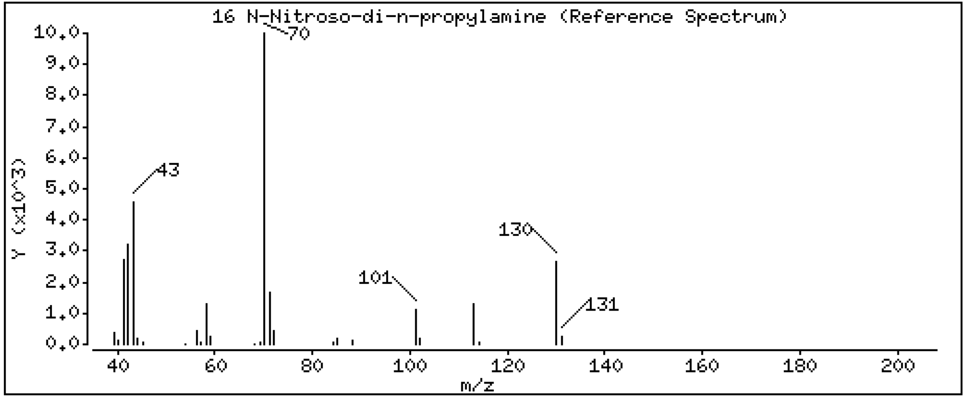
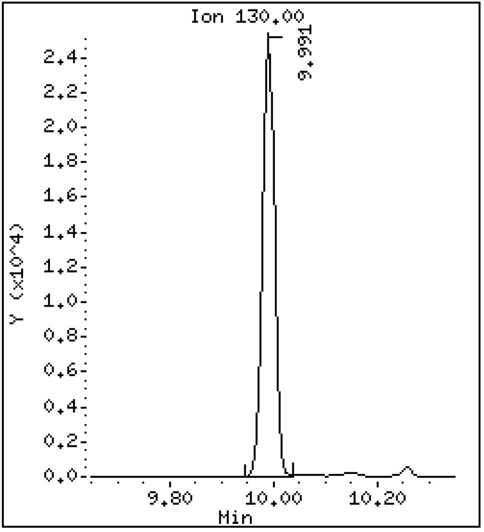
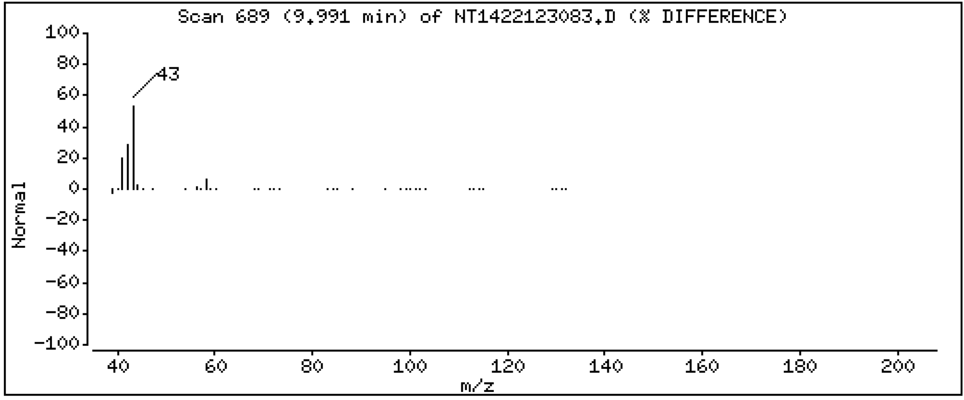

16 N-Nitroso-di-n-propylamine (Reference Spectrum)


Ion 130.00


Scan 689 (9.991 min) of NT1422123083.D (% DIFFERENCE)

Data File: \\target\share\chem3\nt14.i\20221230C.b\NT1422123083.D

Date : 01-JAN-2023 09:41

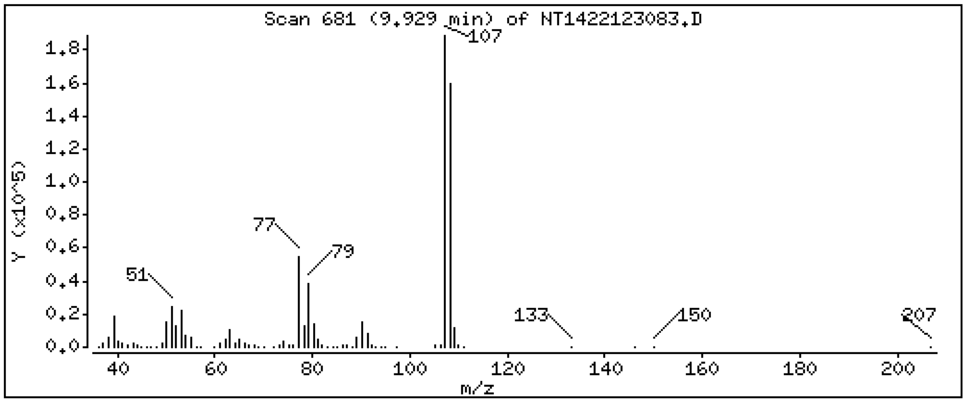
Client ID: Instrument: nt14.i

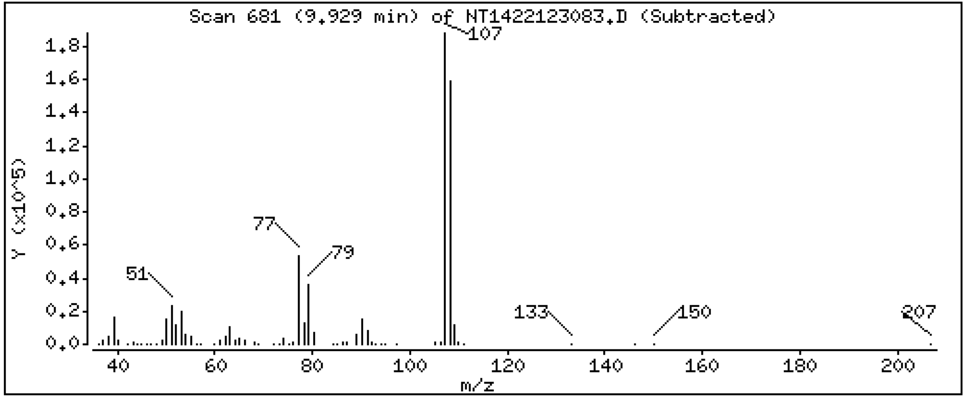
Sample Info: SKL0355-CCV1

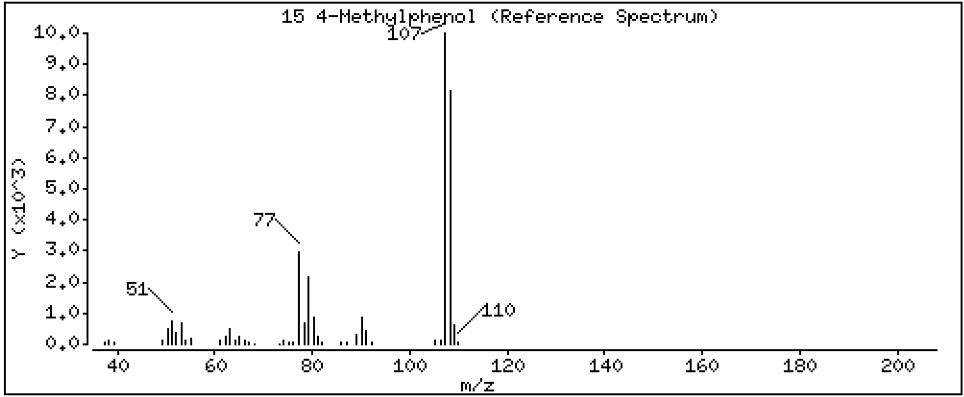
Operator: VTS

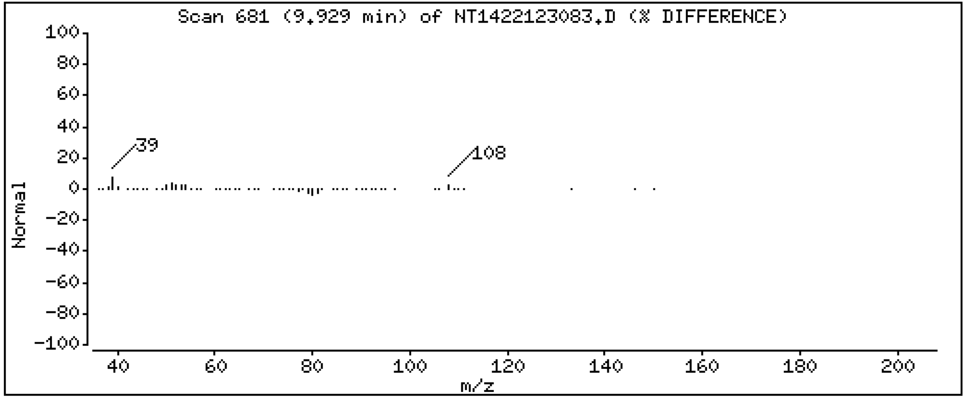
Column phase: ZB-5msi Column diameter: 0.25

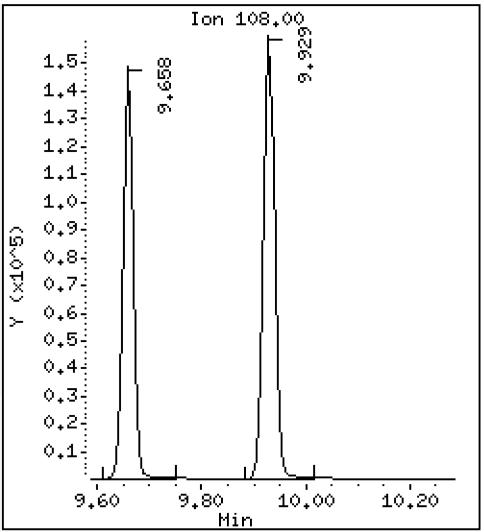
15 4-Methylphenol Concentration: 4.878 ug/mL

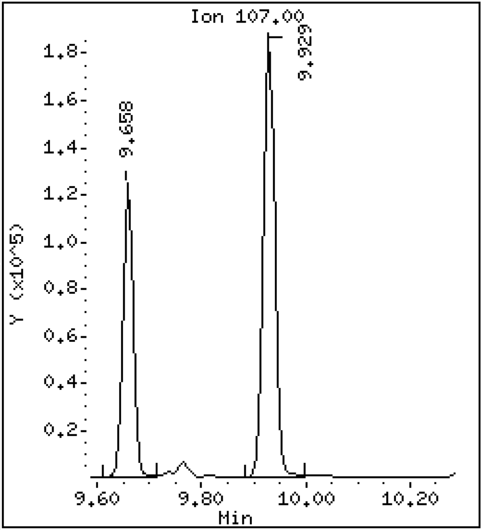

Scan 681 (9.929 min) of NT1422123083.D


Scan 681 (9.929 min) of NT1422123083.D (Subtracted)


15 4-Methylphenol (Reference Spectrum)


Scan 681 (9.929 min) of NT1422123083.D (% DIFFERENCE)


Ion 108.00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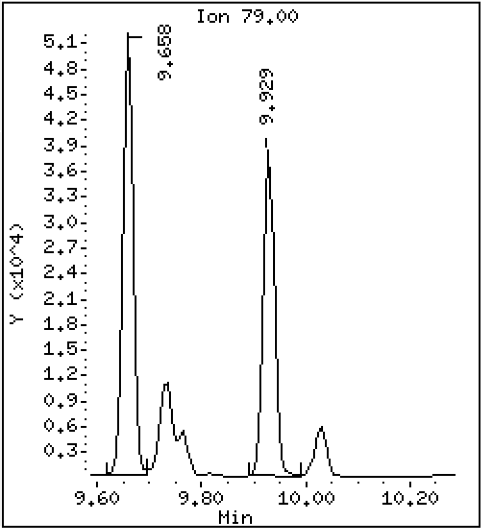

Ion 79.00

Data File: \\target\share\chem3\nt14.i\20221230C.b\NT1422123083.D

Date : 01-JAN-2023 09:41

Client ID:

Instrument: nt14.i

Sample Info: SKL0355-CCV1

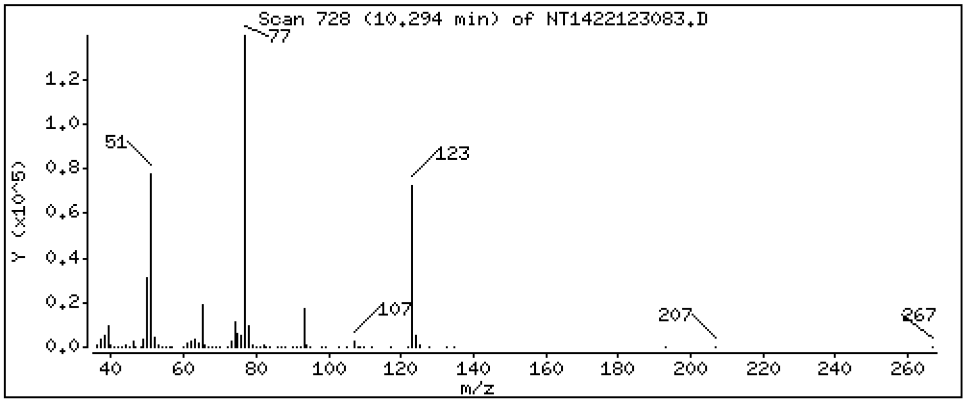
Operator: VTS

Column phase: ZB-5msi

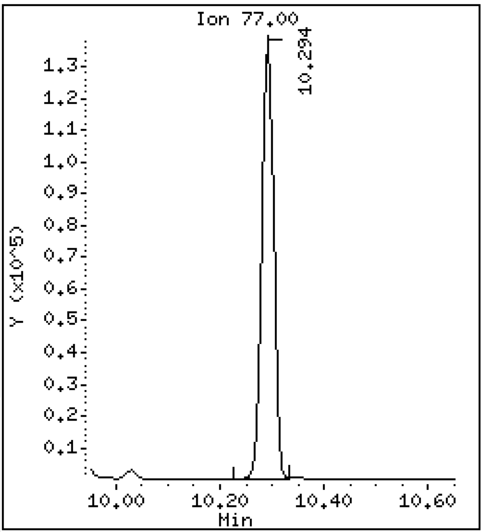
Column diameter: 0.25

19 Nitrobenzene

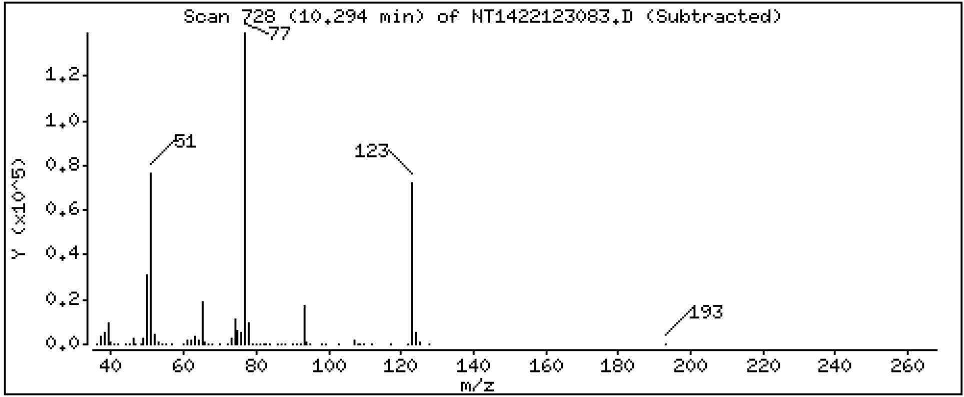
Concentration: 4.958 ug/mL



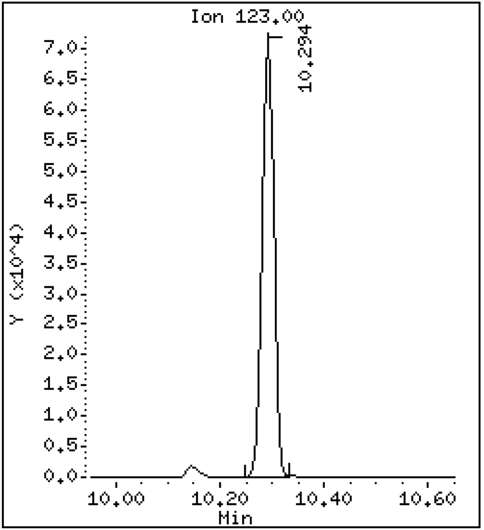
Scan 728 (10.294 min) of NT1422123083.D



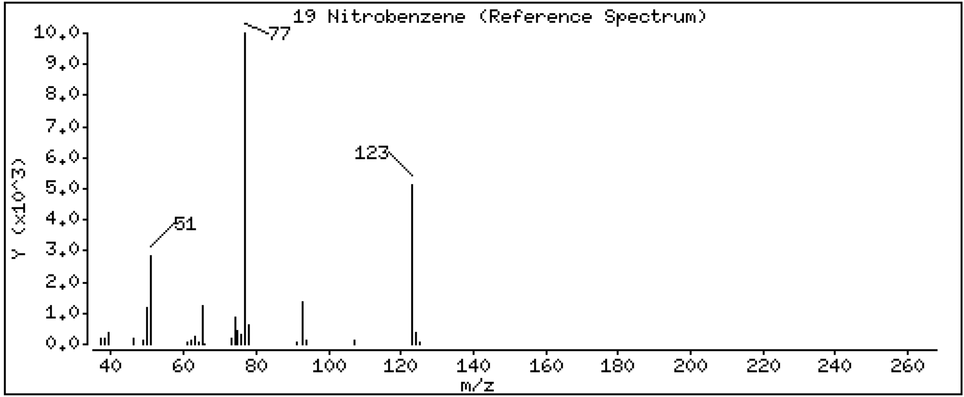
Ion 77.00



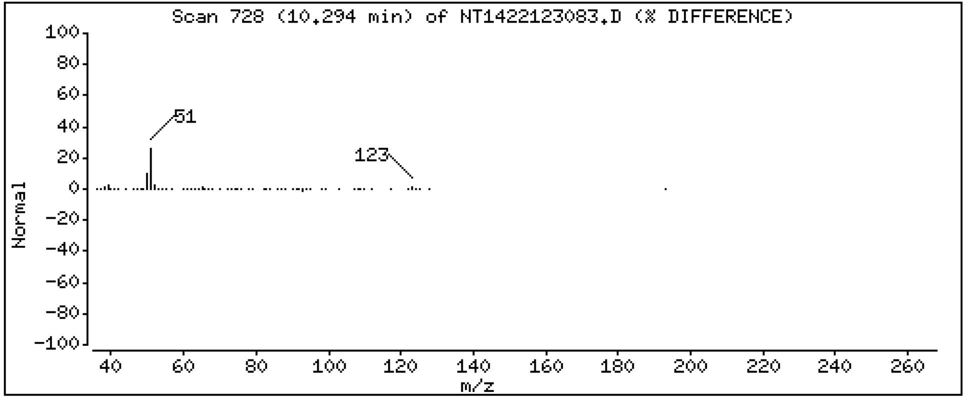
Scan 728 (10.294 min) of NT1422123083.D (Subtracted)



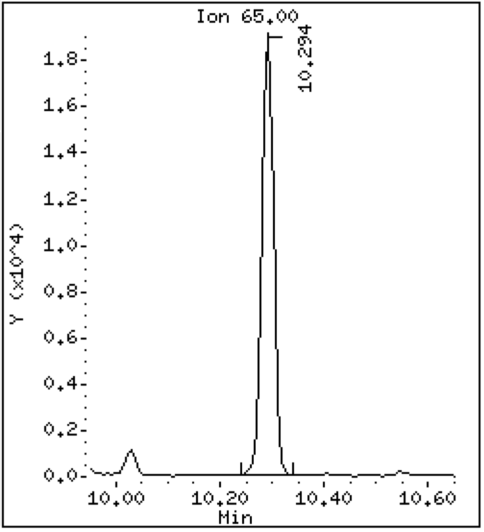
Ion 123.00



19 Nitrobenzene (Reference Spectrum)



Scan 728 (10.294 min) of NT1422123083.D (% DIFFERENCE)



Ion 65.00

Data File: \\target\share\chem3\nt14.i\20221230C.b\NT1422123083.D

Date : 01-JAN-2023 09:41

Client ID:

Instrument: nt14.i

Sample Info: SKL0355-CCV1

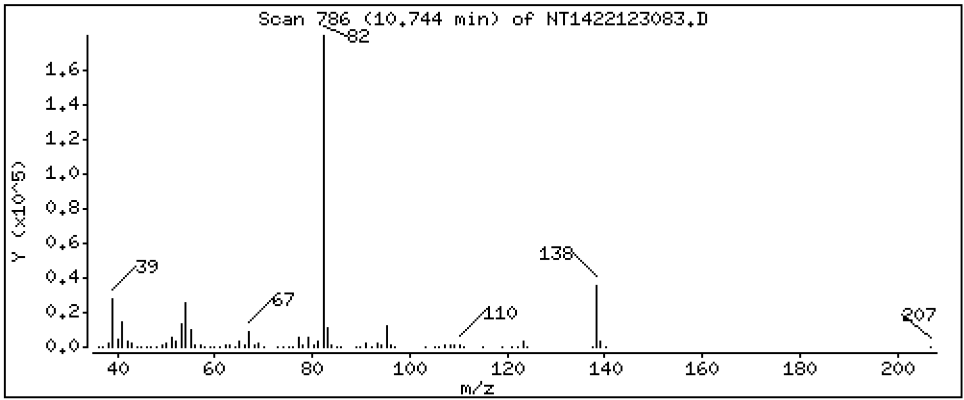
Operator: VTS

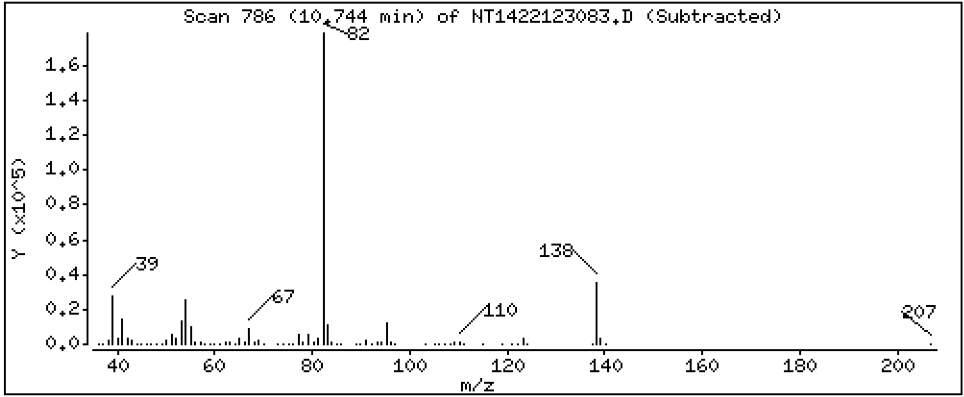
Column phase: ZB-5msi

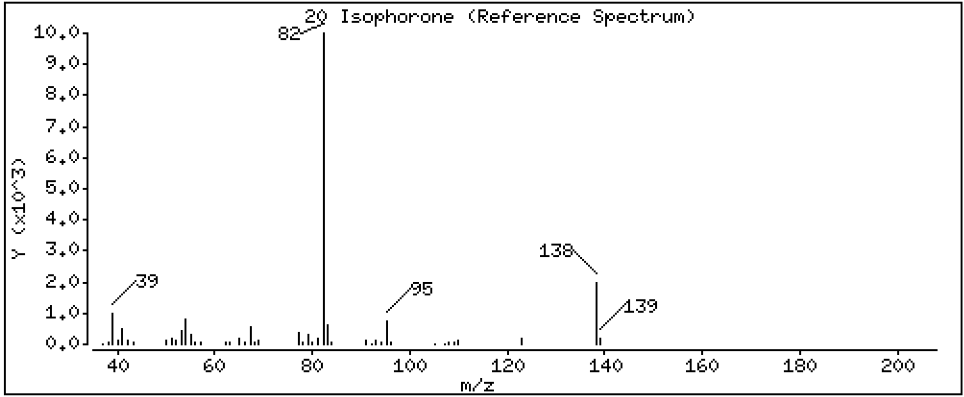
Column diameter: 0.25

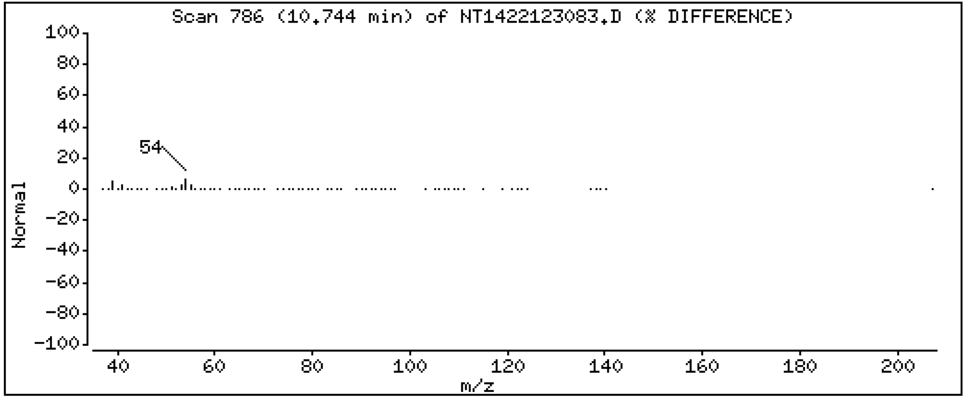
20 Isophorone

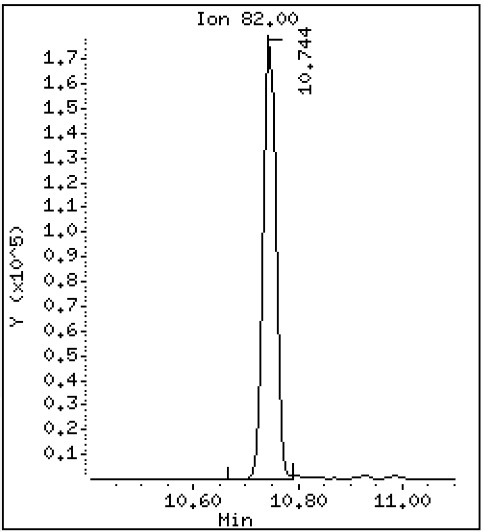
Concentration: 5.332 ug/mL

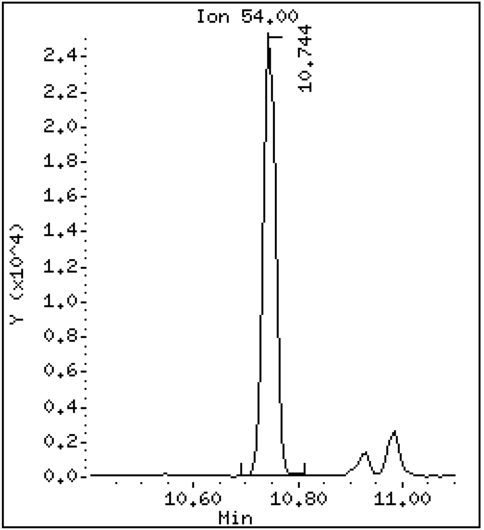


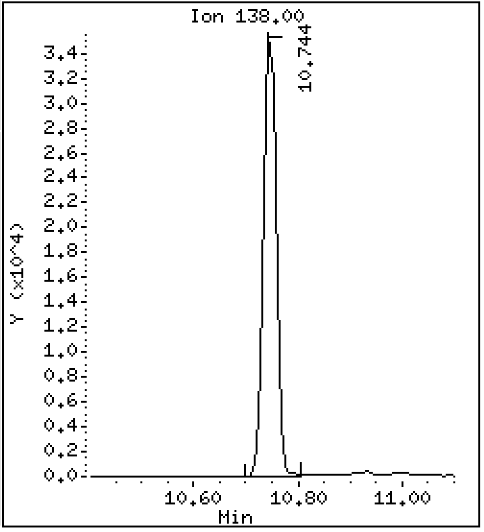












Data File: \\target\share\chem3\nt14.i\20221230C.b\NT1422123083.D Page 16

Date : 01-JAN-2023 09:41

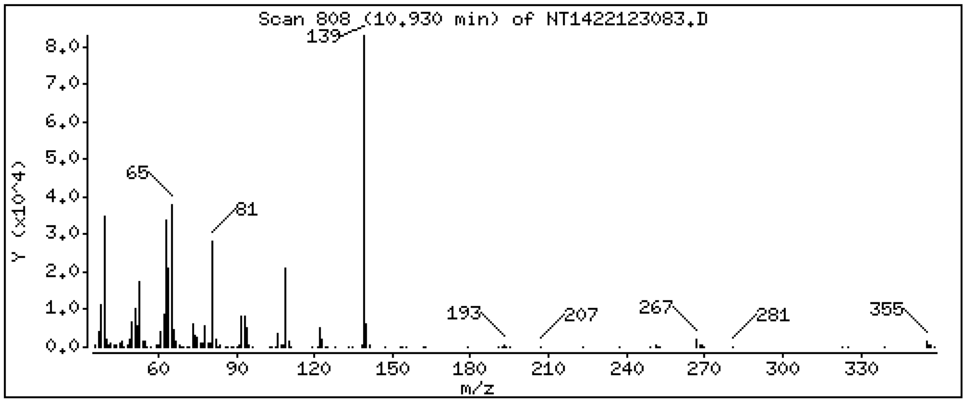
Client ID: Instrument: nt14.i

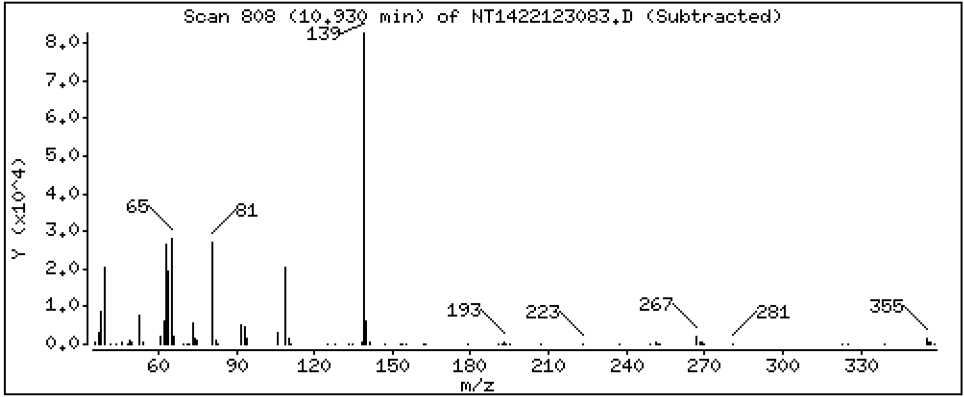
Sample Info: SKL0355-CCV1

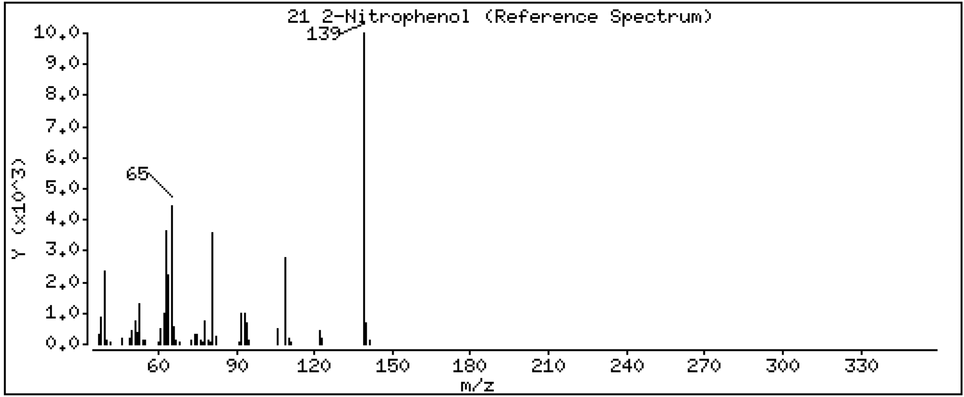
Operator: VTS

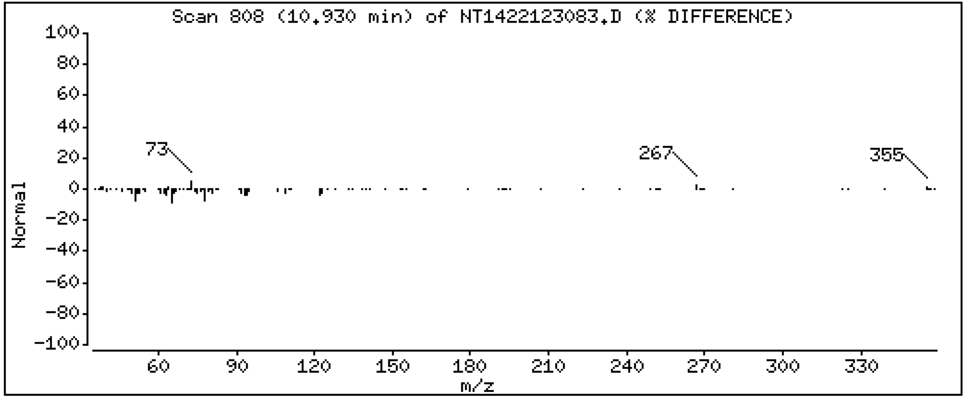
Column phase: ZB-5msi Column diameter: 0.25

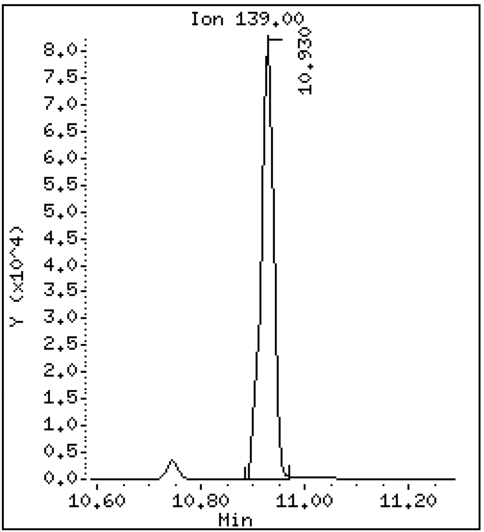
21 2-Nitrophenol Concentration: 5.334 ug/mL

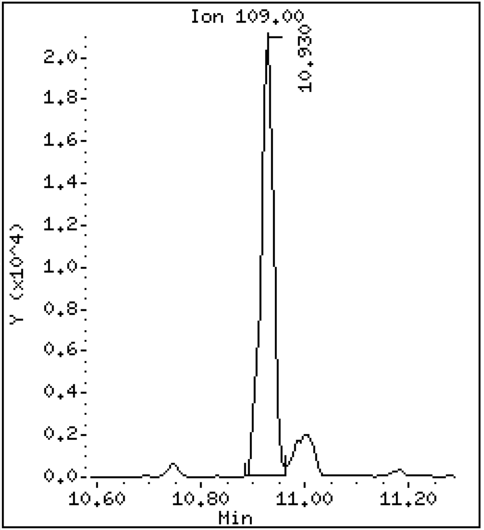


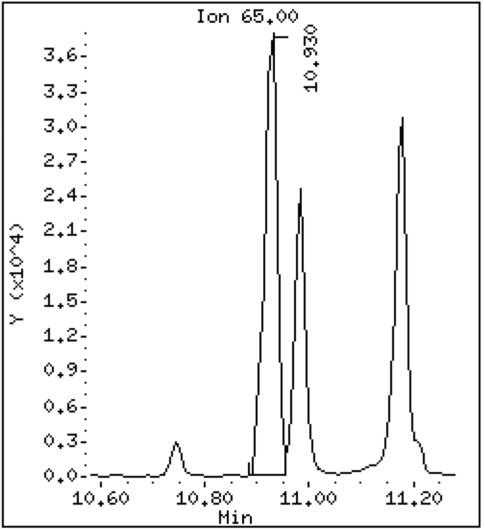












Data File: \\target\share\chem3\nt14.i\20221230C.b\NT1422123083.D

Date : 01-JAN-2023 09:41

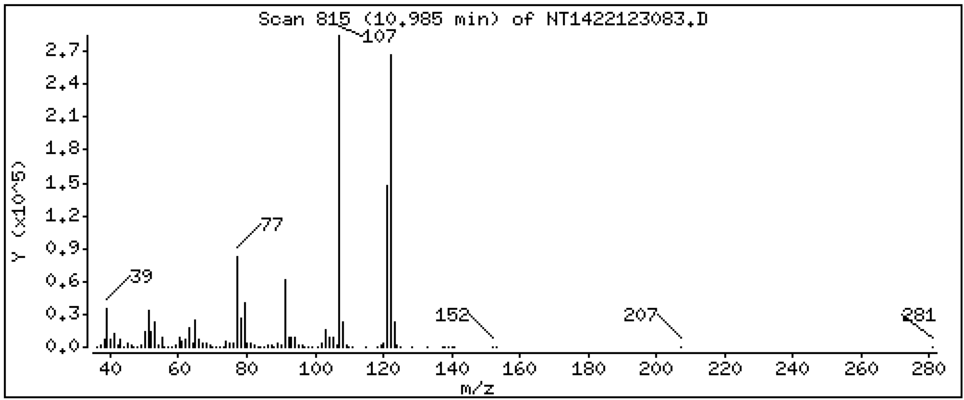
Client ID: Instrument: nt14.i

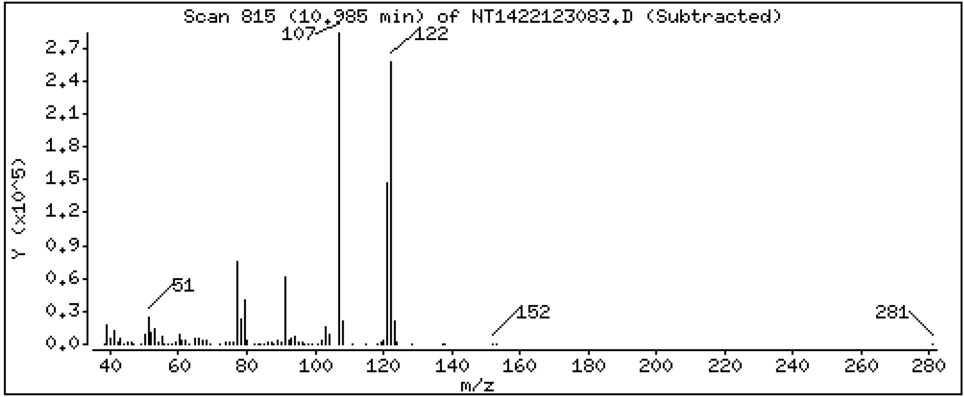
Sample Info: SKL0355-CCV1

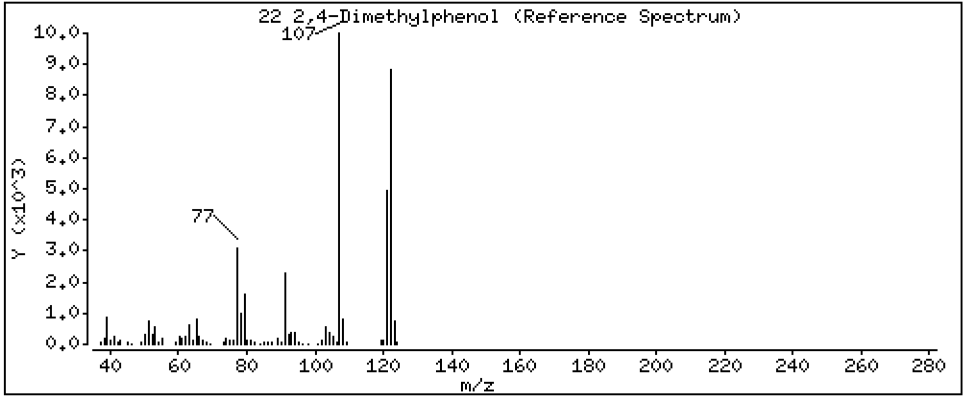
Operator: VTS

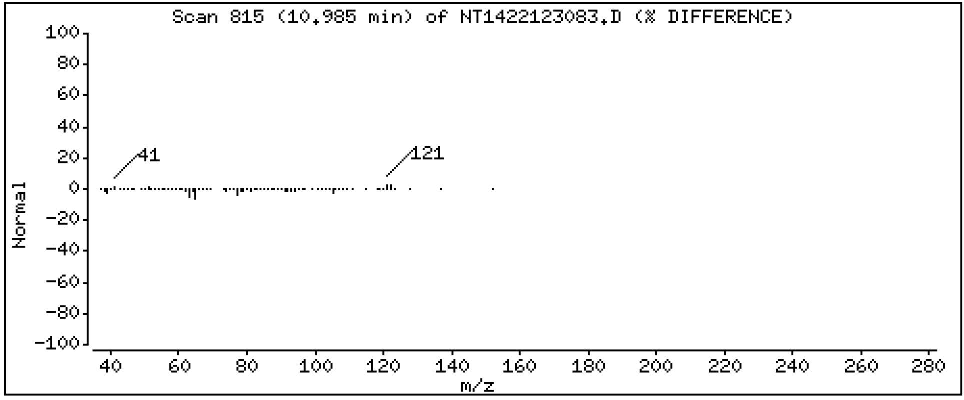
Column phase: ZB-5msi Column diameter: 0.25

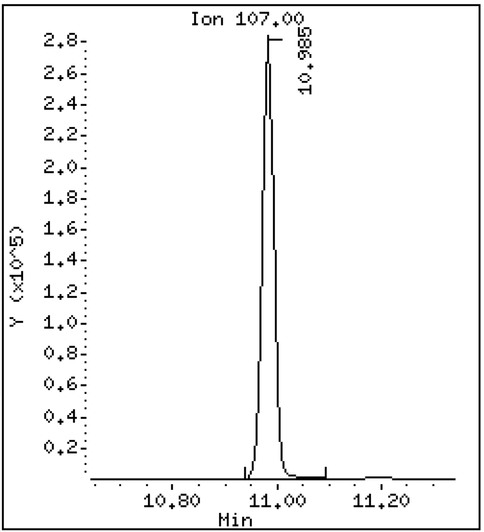
22 2,4-Dimethylphenol Concentration: 9.468 ug/mL

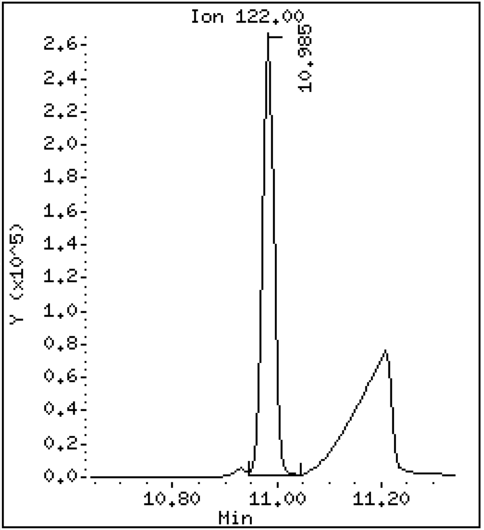

Scan 815 (10.985 min) of NT1422123083.D

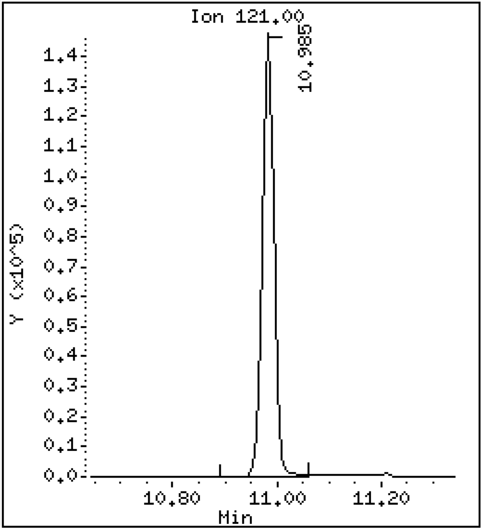

Scan 815 (10.985 min) of NT1422123083.D (Subtracted)


22 2,4-Dimethylphenol (Reference Spectrum)


Scan 815 (10.985 min) of NT1422123083.D (% DIFFERENCE)


Ion 107.00


Ion 122.00


Ion 121.00

Data File: \\target\share\chem3\nt14.i\20221230C.b\NT1422123083.D

Date : 01-JAN-2023 09:41

Client ID:

Instrument: nt14.i

Sample Info: SKL0355-CCV1

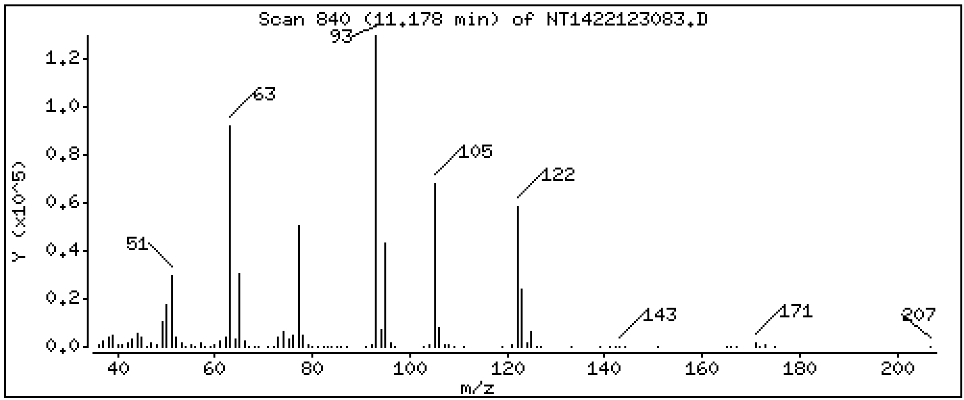
Operator: VTS

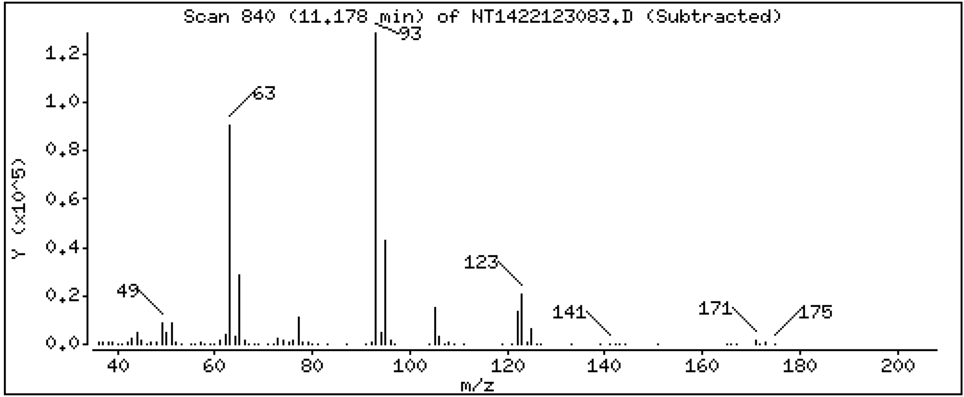
Column phase: ZB-5msi

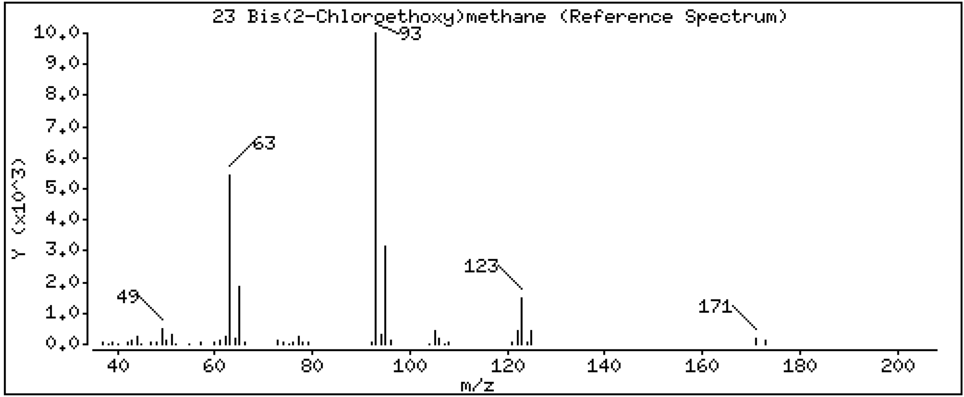
Column diameter: 0.25

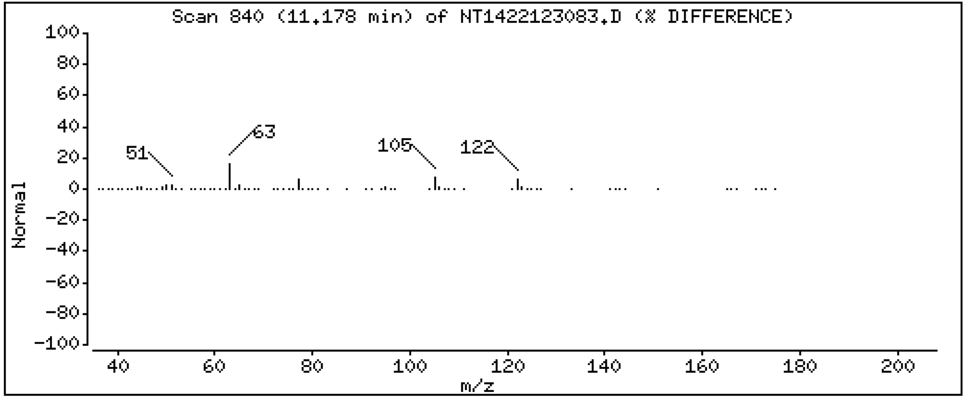
23 Bis(2-Chloroethoxy)methane

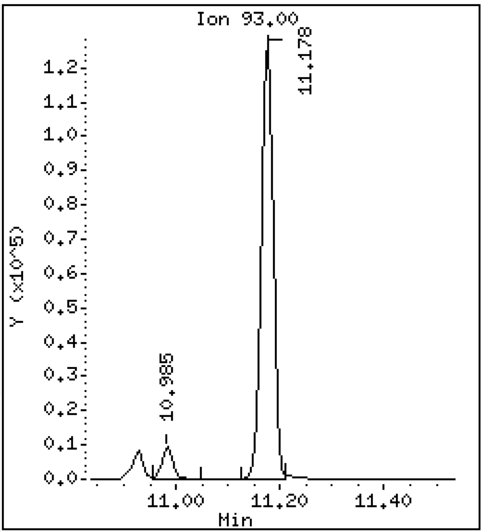
Concentration: 4.609 ug/mL


Scan 840 (11.178 min) of NT1422123083.D


Scan 840 (11.178 min) of NT1422123083.D (Subtracted)


23 Bis(2-Chloroethoxy)methane (Reference Spectrum)


Scan 840 (11.178 min) of NT1422123083.D (% DIFFERENCE)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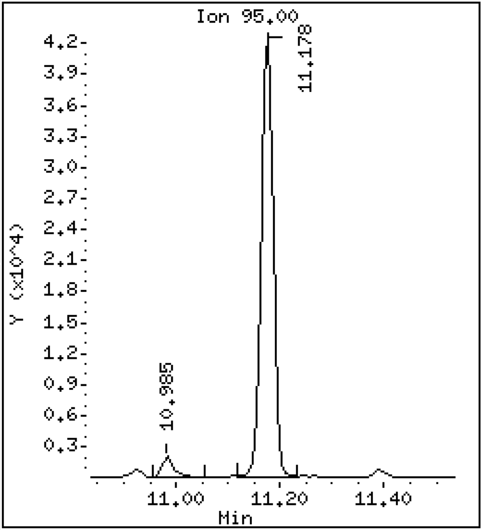
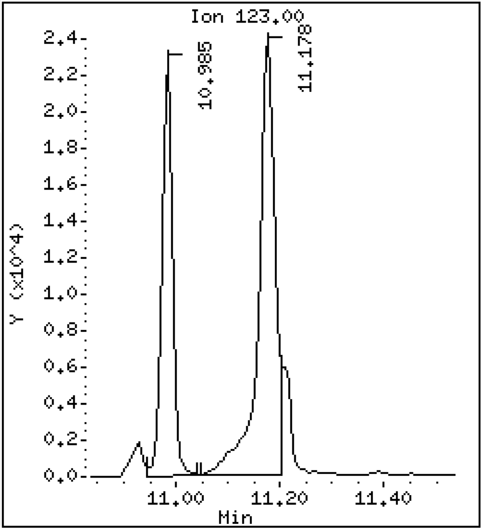

Ion 95.00


Ion 123.00

Data File: \\target\share\chem3\nt14.i\20221230C.b\NT1422123083.D

Date : 01-JAN-2023 09:41

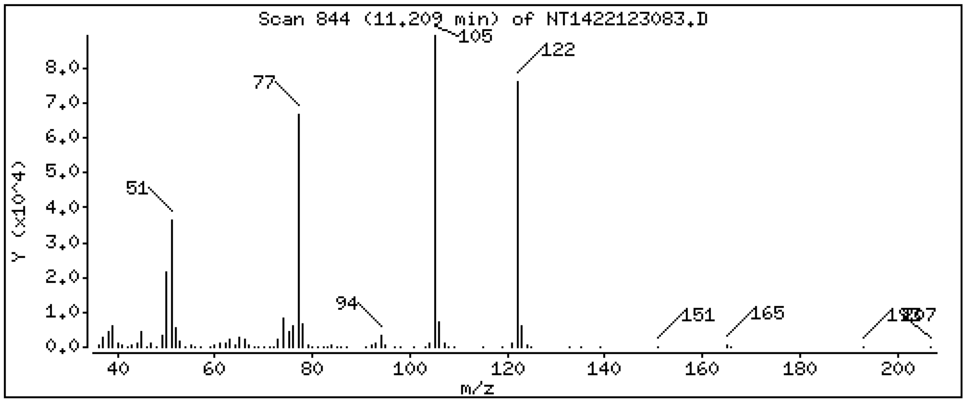
Client ID: Instrument: nt14.i

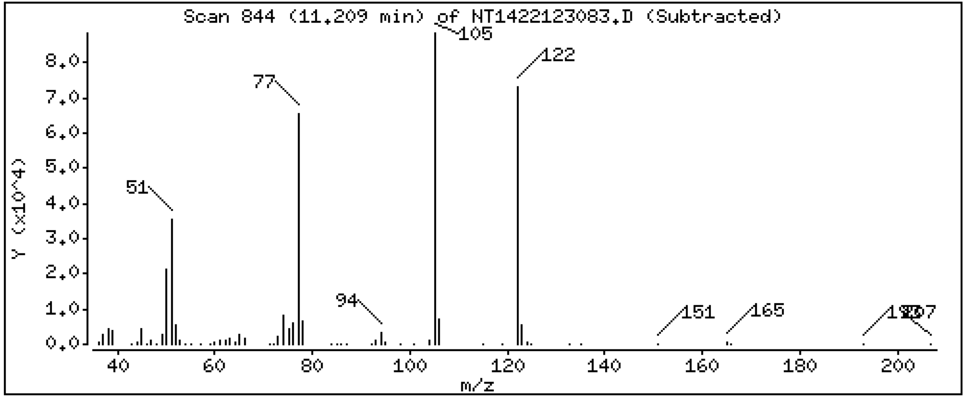
Sample Info: SKL0355-CCV1

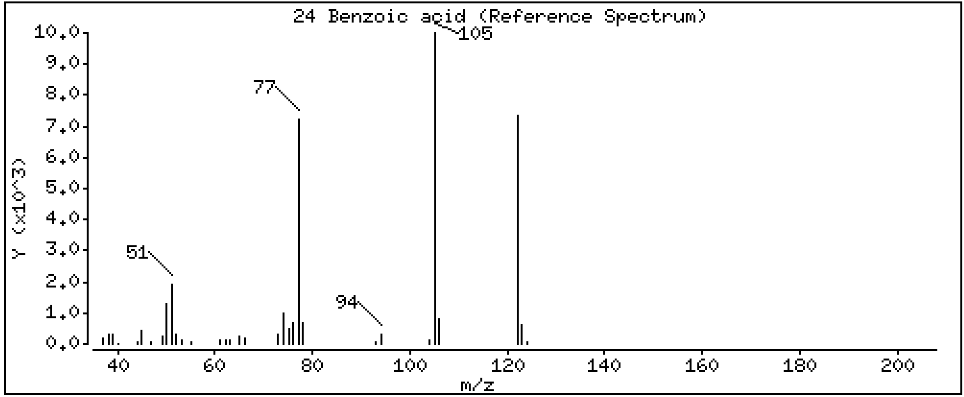
Operator: VTS

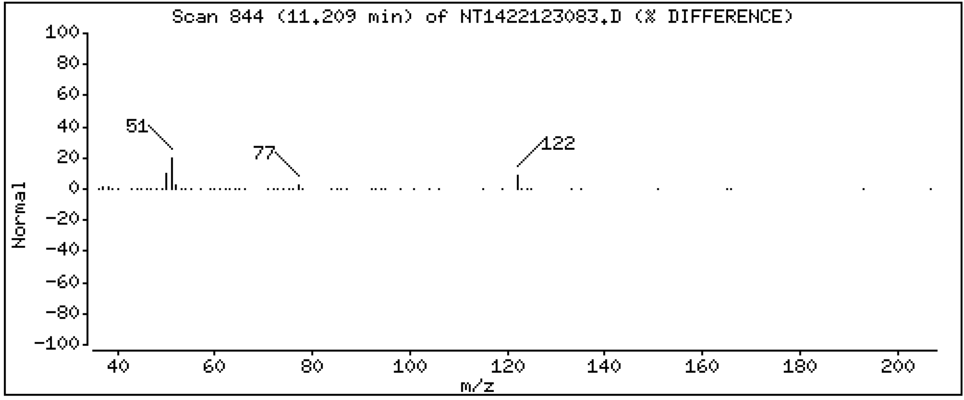
Column phase: ZB-5msi Column diameter: 0.25

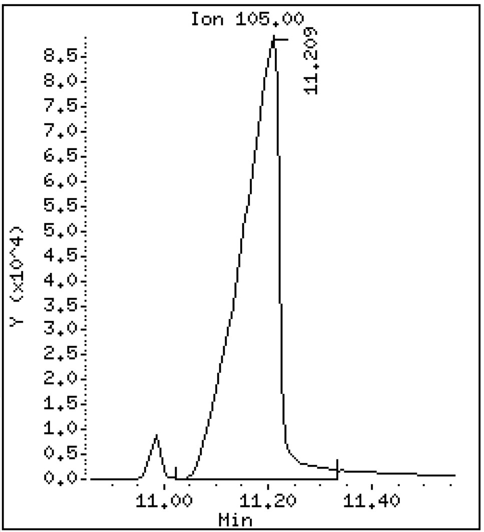
24 Benzoic acid Concentration: 16.47 ug/mL


Scan 844 (11.209 min) of NT1422123083.D


Scan 844 (11.209 min) of NT1422123083.D (Subtracted)


24 Benzoic acid (Reference Spectrum)


Scan 844 (11.209 min) of NT1422123083.D (% DIFFERENCE)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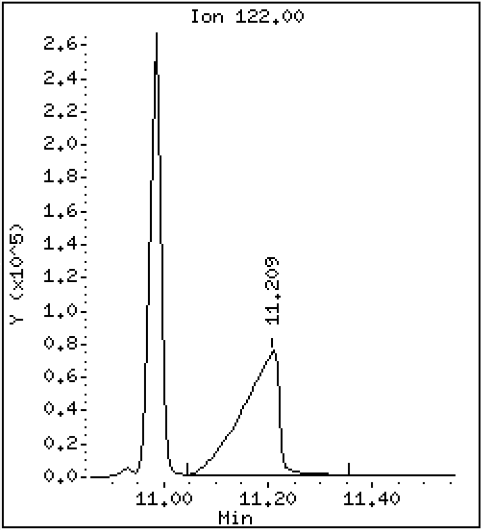
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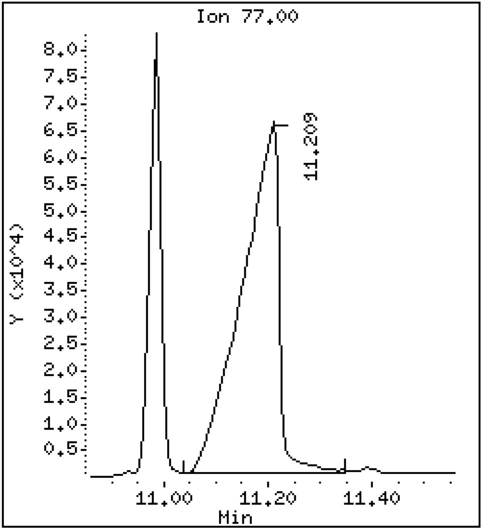
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Data File: \\target\share\chem3\nt14.i\20221230C.b\NT1422123083.D

Date : 01-JAN-2023 09:41

Client ID:

Instrument: nt14.i

Sample Info: SKL0355-CCV1

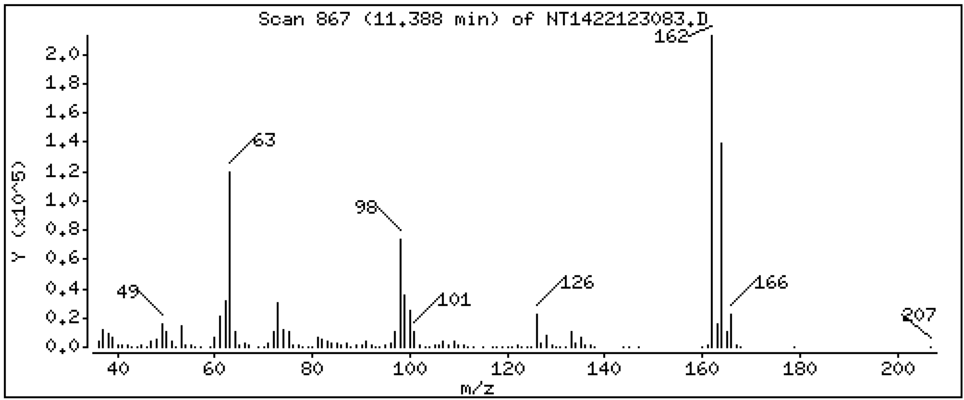
Operator: VTS

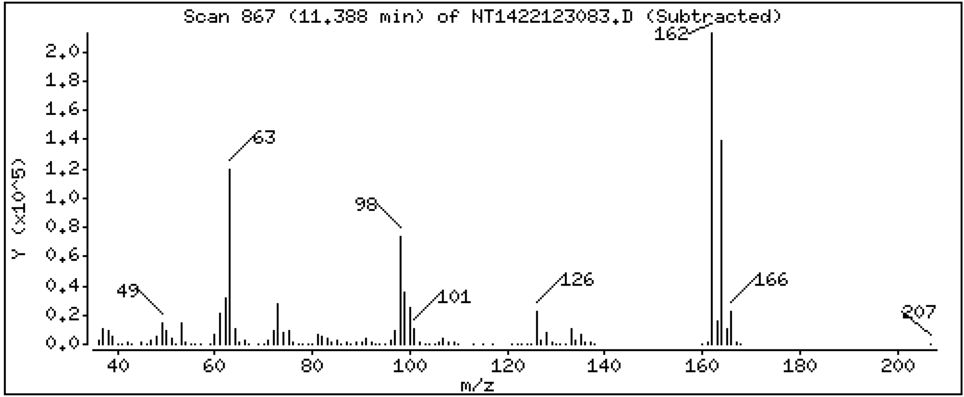
Column phase: ZB-5msi

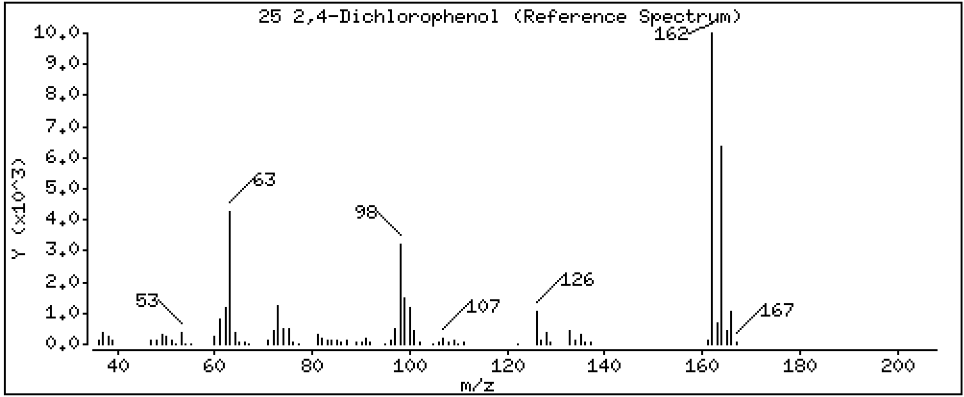
Column diameter: 0.25

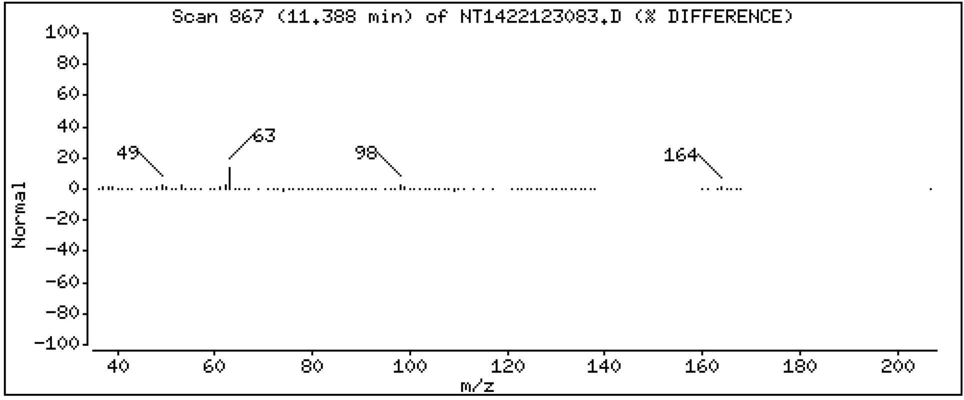
25 2,4-Dichlorophenol

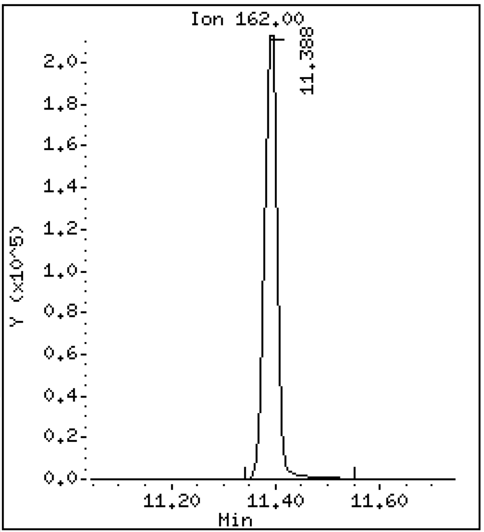
Concentration: 10.21 ug/mL

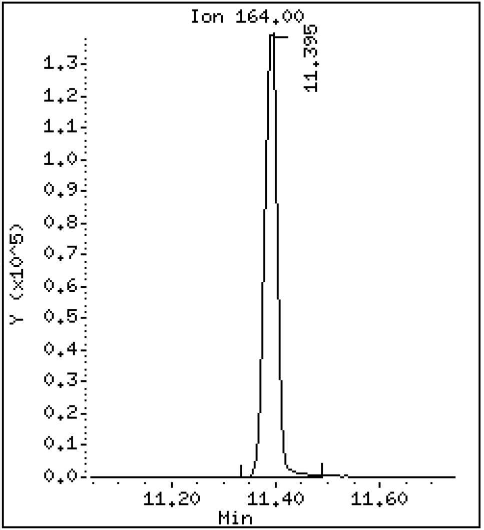

Scan 867 (11.388 min) of NT1422123083.D

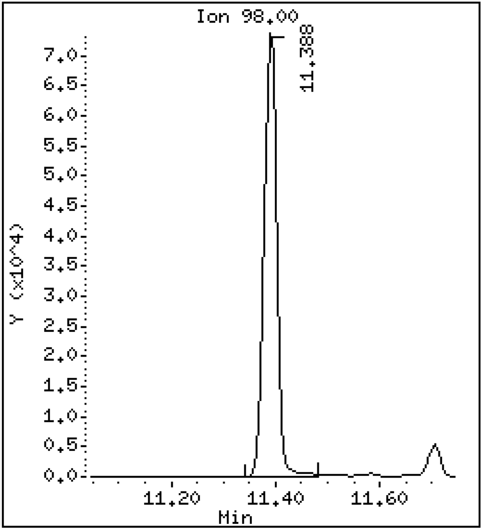

Scan 867 (11.388 min) of NT1422123083.D (Subtracted)


25 2,4-Dichlorophenol (Reference Spectrum)


Scan 867 (11.388 min) of NT1422123083.D (% DIFFERENCE)


Ion 162.00


Ion 164.00


Ion 98.00

Date : 01-JAN-2023 09:41

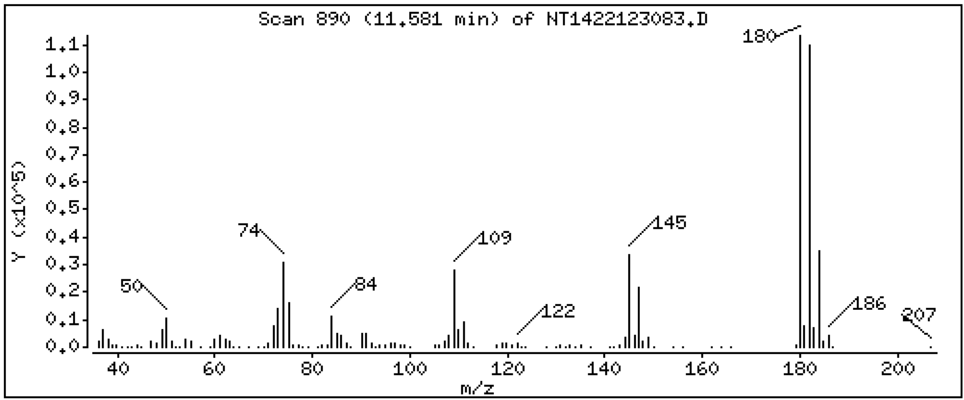
Client ID: Instrument: nt14.i

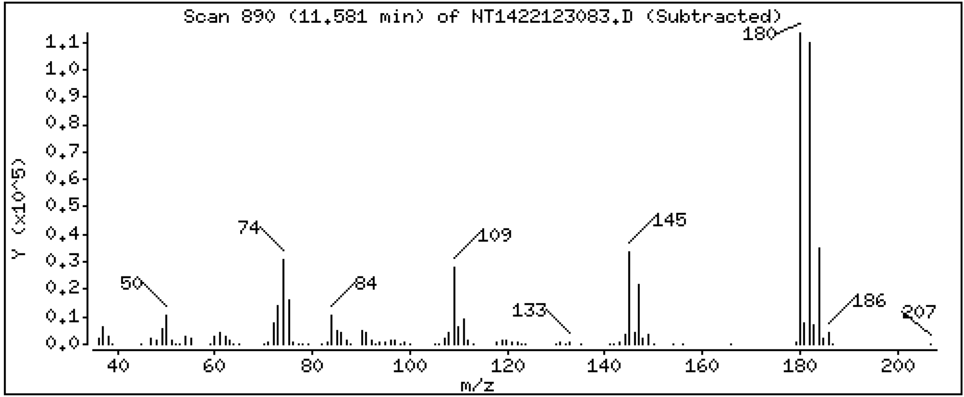
Sample Info: SKL0355-CCV1

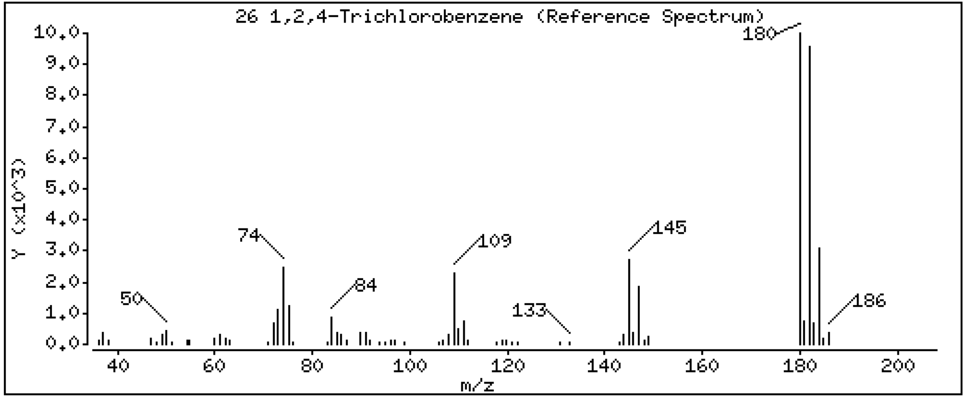
Operator: VTS

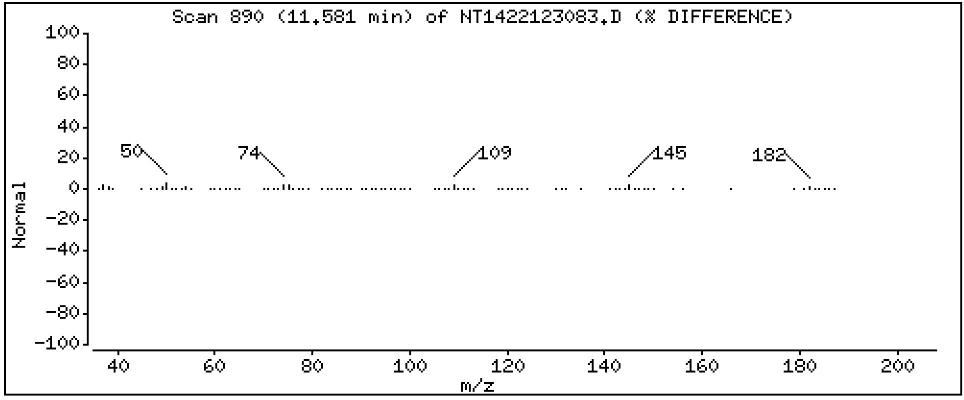
Column phase: ZB-5msi Column diameter: 0.25

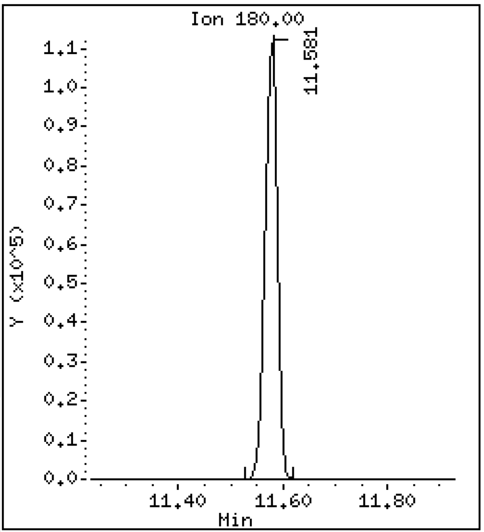
26 1,2,4-Trichlorobenzene Concentration: 4.444 ug/mL


Scan 890 (11.581 min) of NT1422123083.D


Scan 890 (11.581 min) of NT1422123083.D (Subtracted)


26 1,2,4-Trichlorobenzene (Reference Spectrum)


Scan 890 (11.581 min) of NT1422123083.D (% DIFFERENCE)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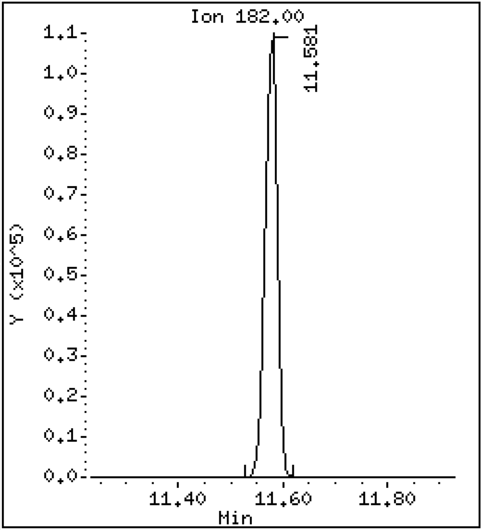
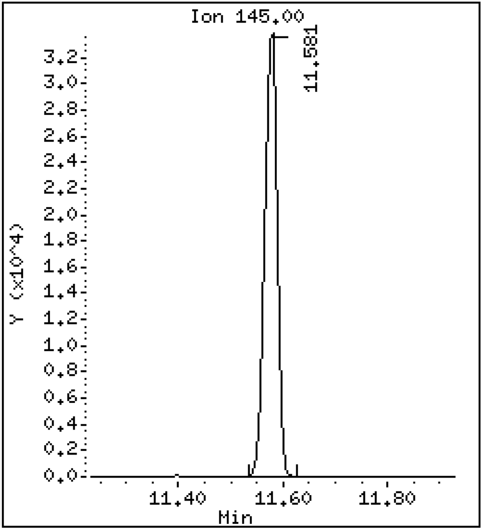

Ion 182.00


Ion 145.00

Data File: \\target\share\chem3\nt14.i\20221230C.b\NT1422123083.D

Date : 01-JAN-2023 09:41

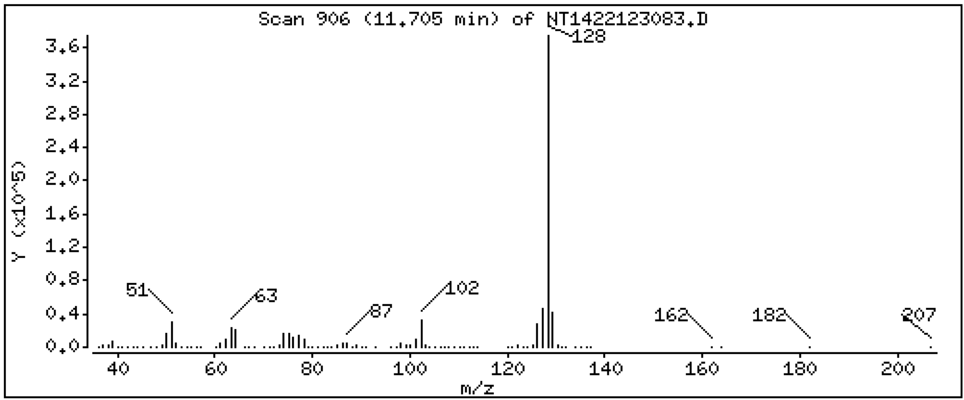
Client ID: Instrument: nt14.i

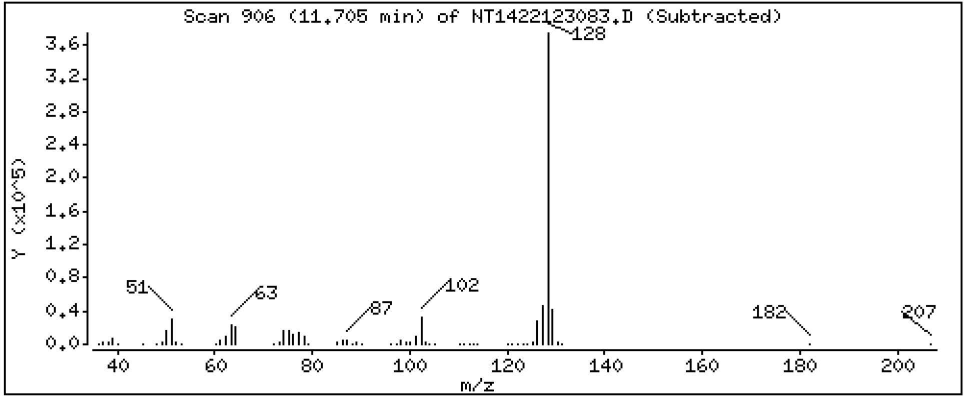
Sample Info: SKL0355-CCV1

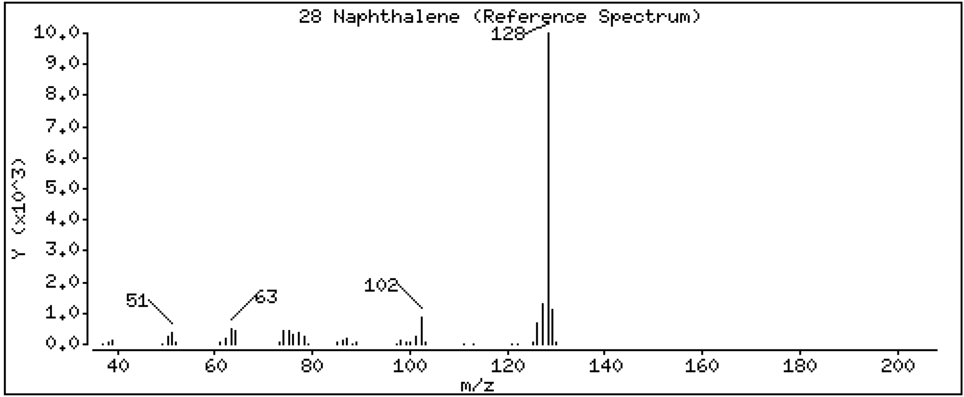
Operator: VTS

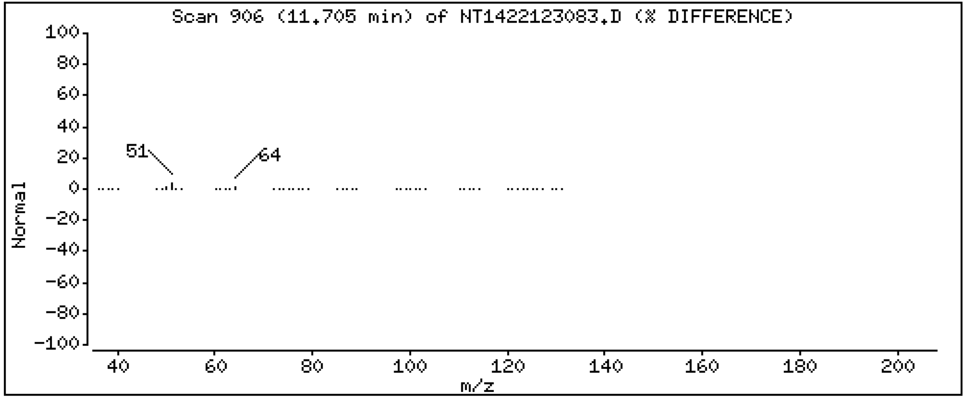
Column phase: ZB-5msi Column diameter: 0.25

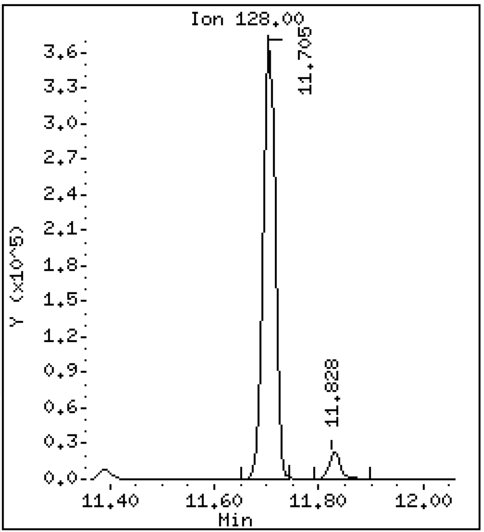
28 Naphthalene Concentration: 4.523 ug/mL

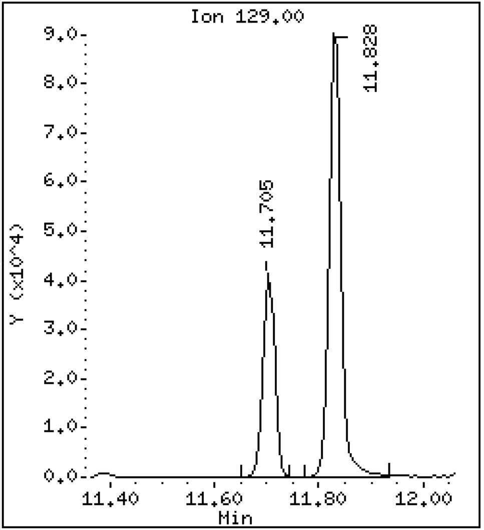


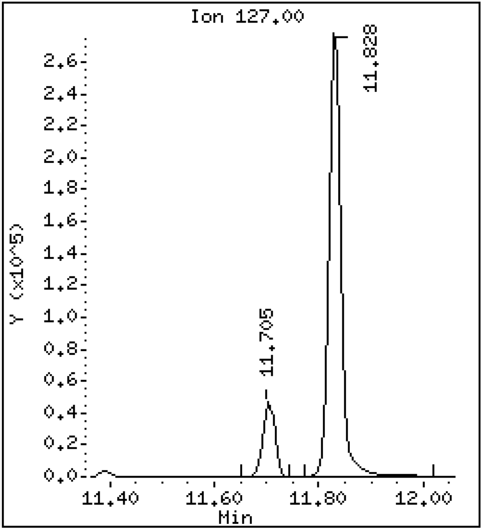












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Date : 01-JAN-2023 09:41

Client ID:

Instrument: nt14.i

Sample Info: SKL0355-CCV1

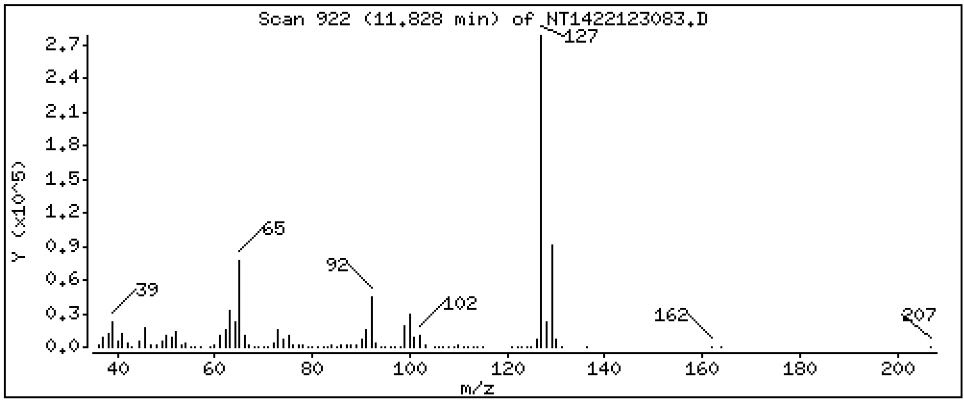
Operator: VTS

Column phase: ZB-5msi

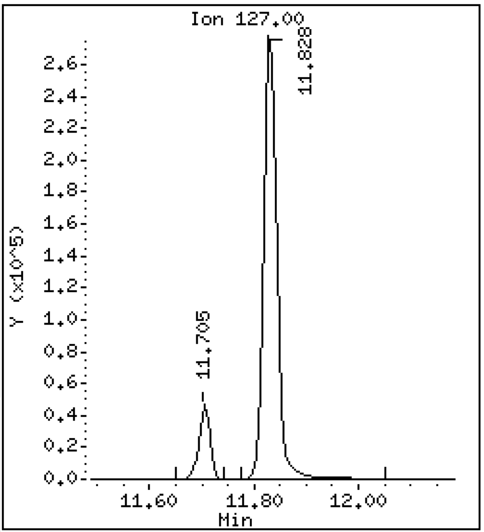
Column diameter: 0.25

29 4-Chloroaniline

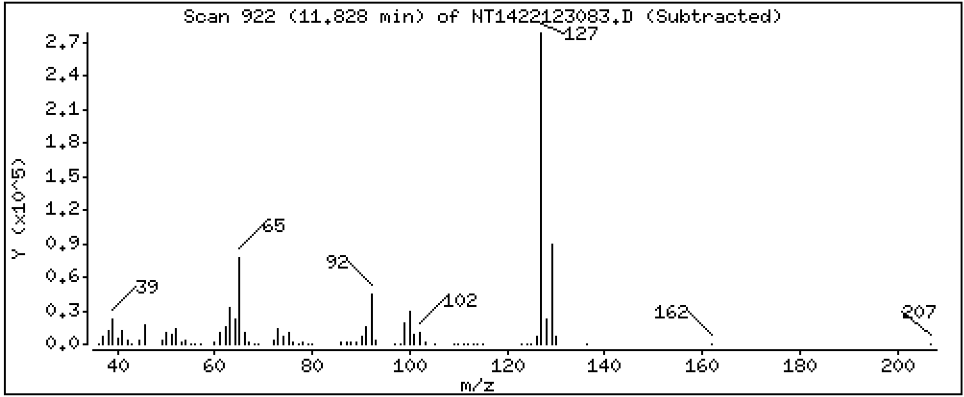
Concentration: 9.877 ug/mL



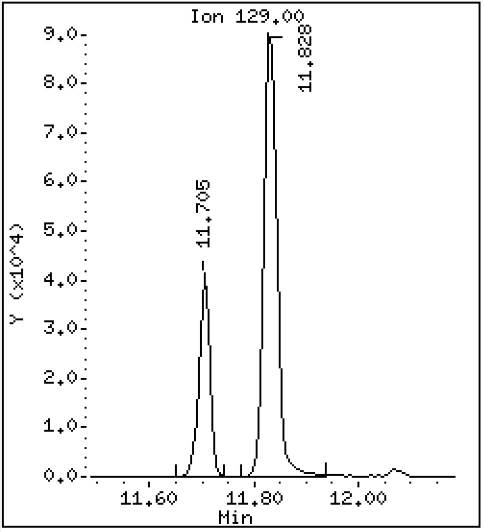
Scan 922 (11.828 min) of NT1422123083.D



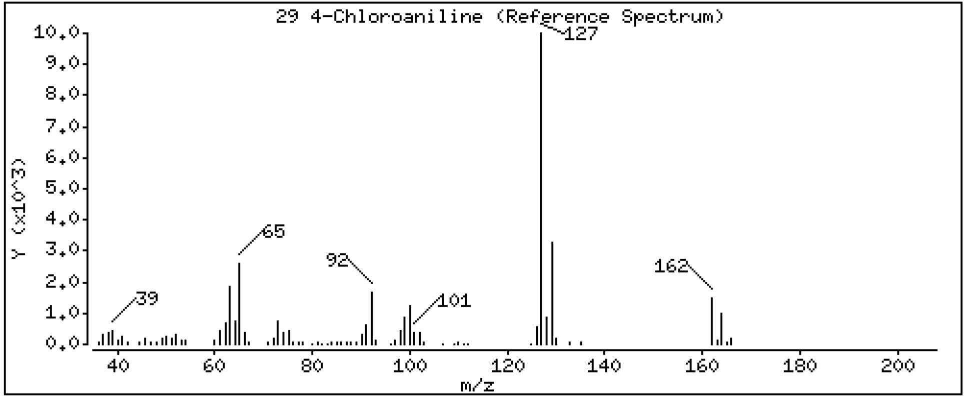
Ion 127.00



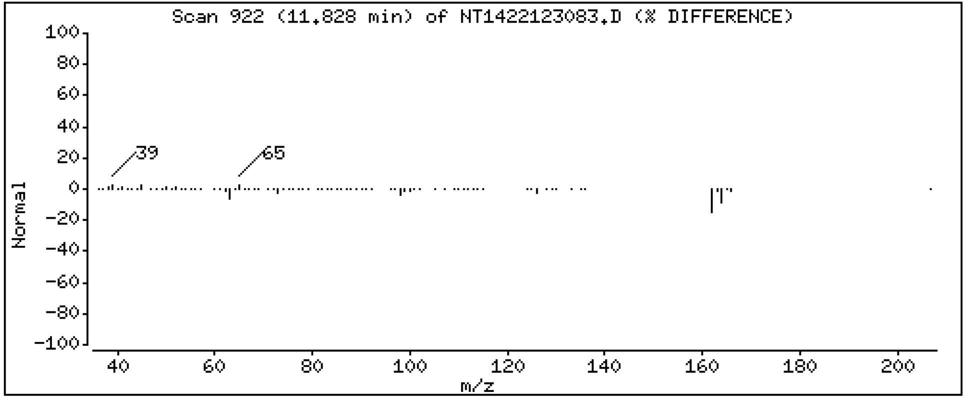
Scan 922 (11.828 min) of NT1422123083.D (Subtracted)



Ion 129.00



29 4-Chloroaniline (Reference Spectrum)



Scan 922 (11.828 min) of NT1422123083.D (% DIFFERENCE)

Data File: \\target\share\chem3\nt14.i\20221230C.b\NT1422123083.D

Date : 01-JAN-2023 09:41

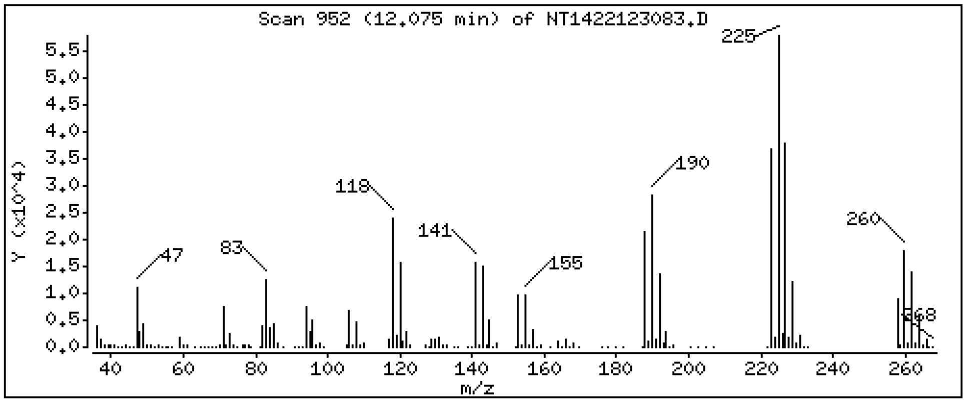
Client ID: Instrument: nt14.i

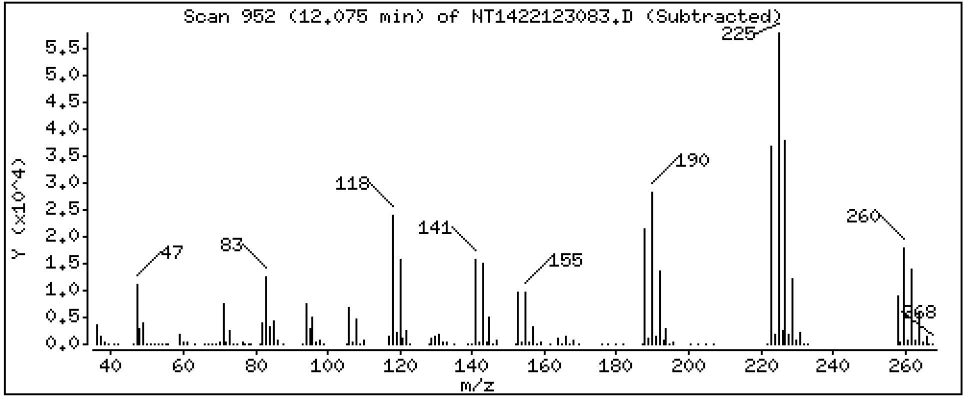
Sample Info: SKL0355-CCV1

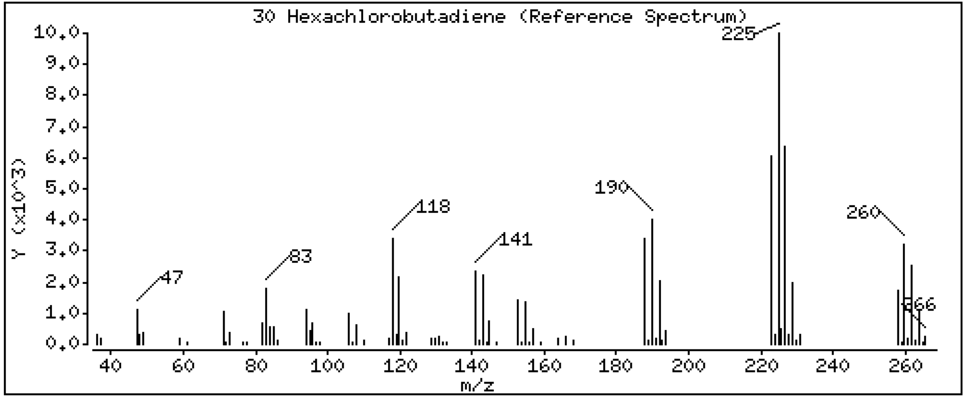
Operator: VTS

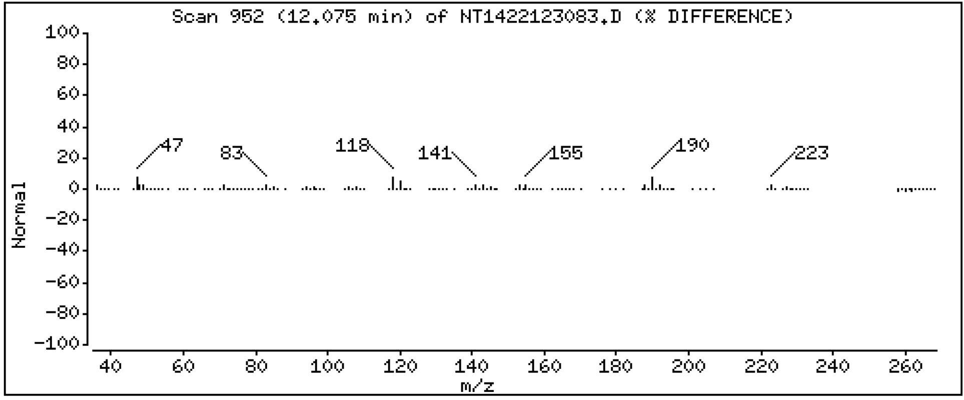
Column phase: ZB-5msi Column diameter: 0.25

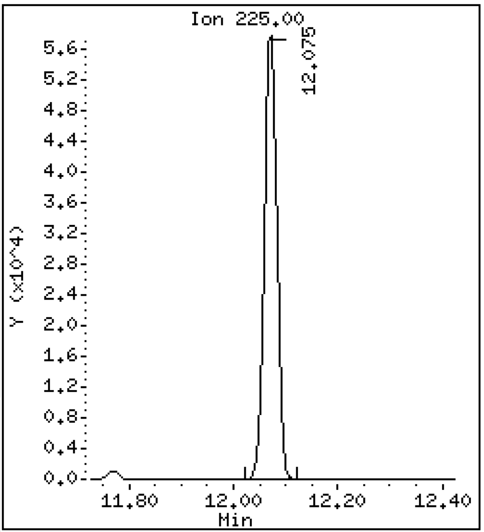
30 Hexachlorobutadiene Concentration: 4.698 ug/mL

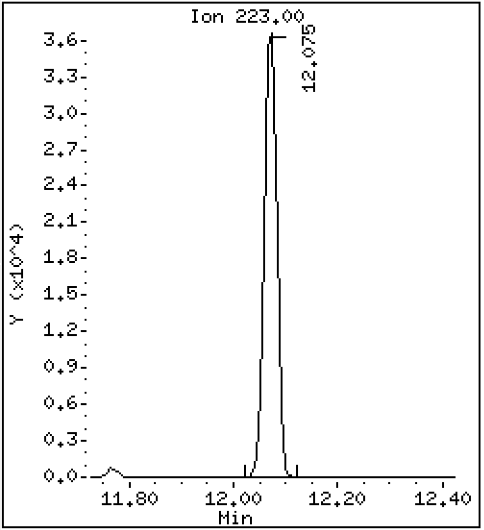

Scan 952 (12.075 min) of NT1422123083.D

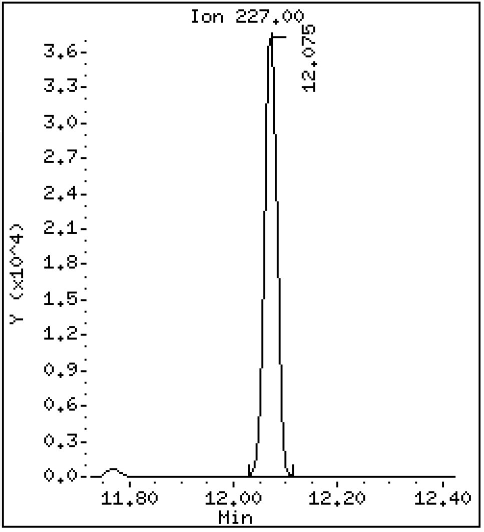

Scan 952 (12.075 min) of NT1422123083.D (Subtracted)


30 Hexachlorobutadiene (Reference Spectrum)


Scan 952 (12.075 min) of NT1422123083.D (% DIFFERENCE)


Ion 225.00


Ion 223.00


Ion 227.00

Data File: \\target\share\chem3\nt14.i\20221230C.b\NT1422123083.D

Date : 01-JAN-2023 09:41

Client ID:

Instrument: nt14.i

Sample Info: SKL0355-CCV1

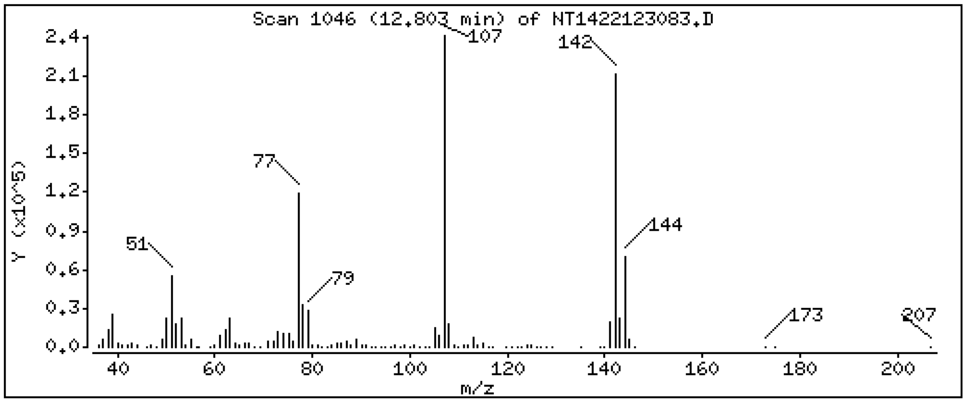
Operator: VTS

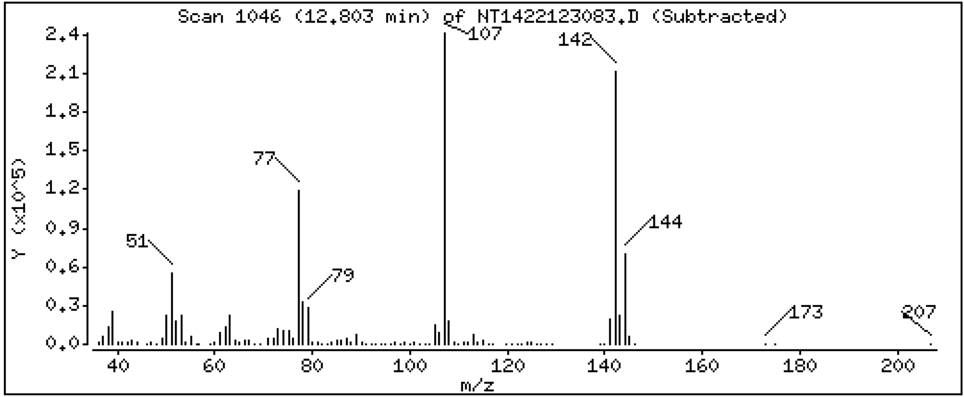
Column phase: ZB-5msi

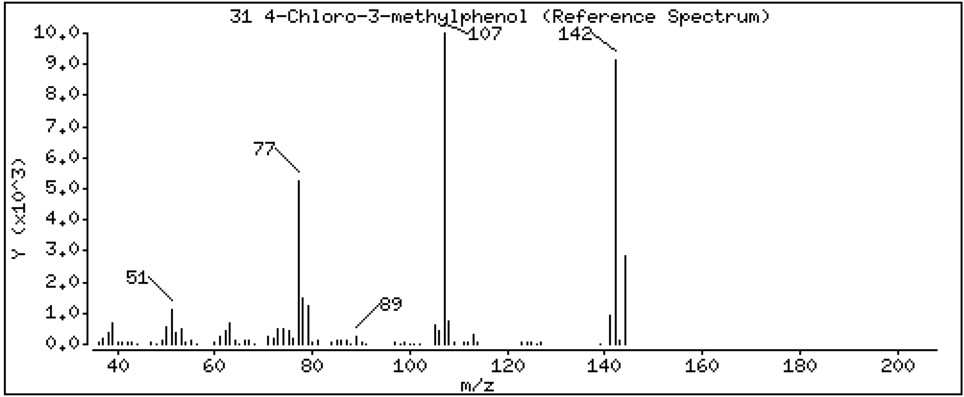
Column diameter: 0.25

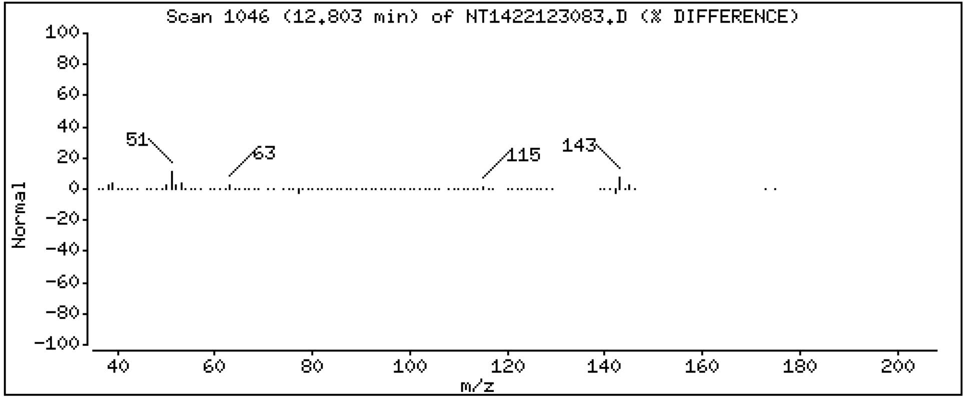
31 4-Chloro-3-methylphenol

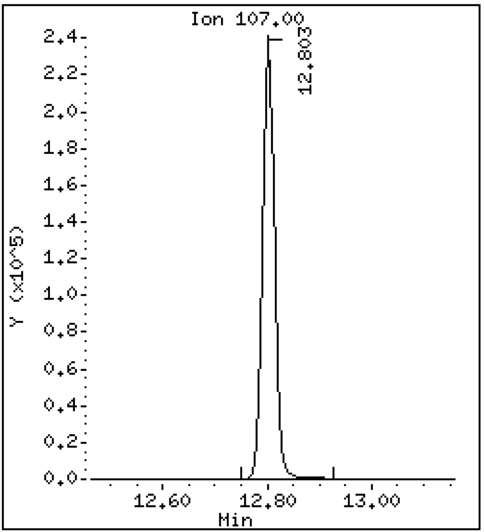
Concentration: 10.33 ug/mL

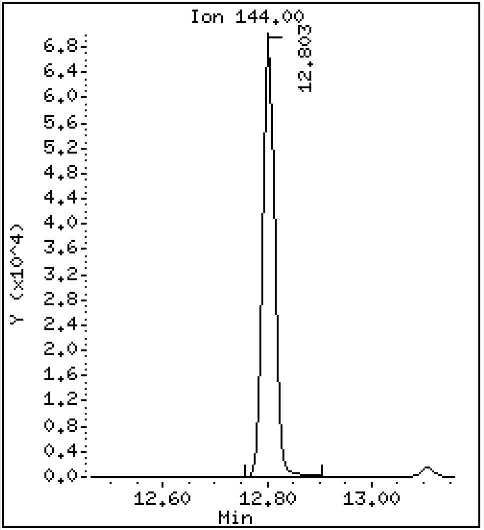

Scan 1046 (12.803 min) of NT1422123083.D

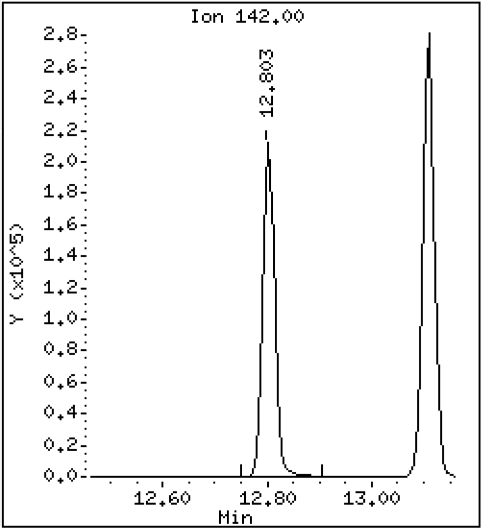

Scan 1046 (12.803 min) of NT1422123083.D (Subtracted)


31 4-Chloro-3-methylphenol (Reference Spectrum)


Scan 1046 (12.803 min) of NT1422123083.D (% DIFFERENCE)


Ion 107.00


Ion 144.00


Ion 142.00

Data File: \\target\share\chem3\nt14.i\20221230C.b\NT1422123083.D

Date : 01-JAN-2023 09:41

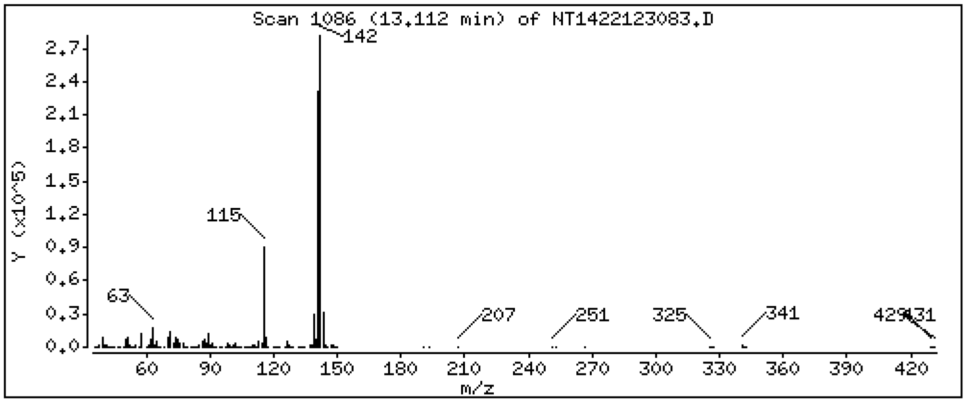
Client ID: Instrument: nt14.i

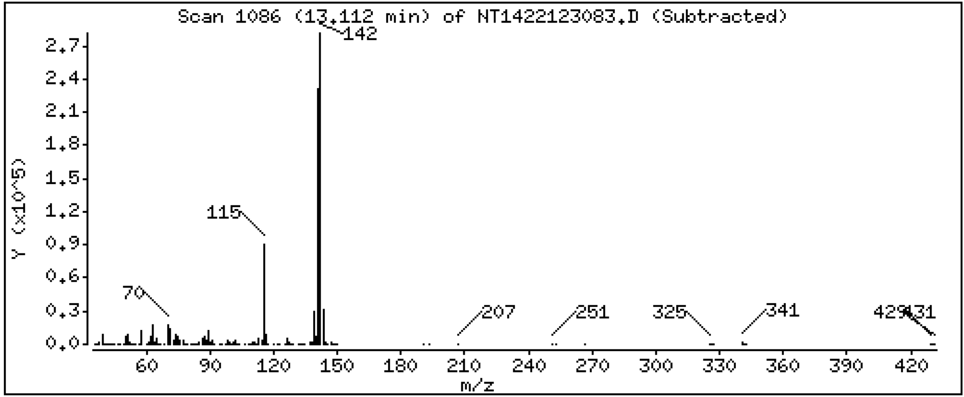
Sample Info: SKL0355-CCV1

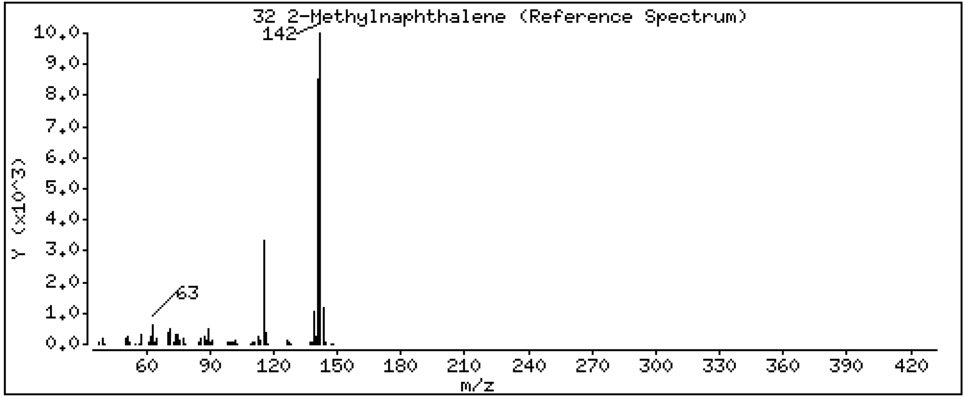
Operator: VTS

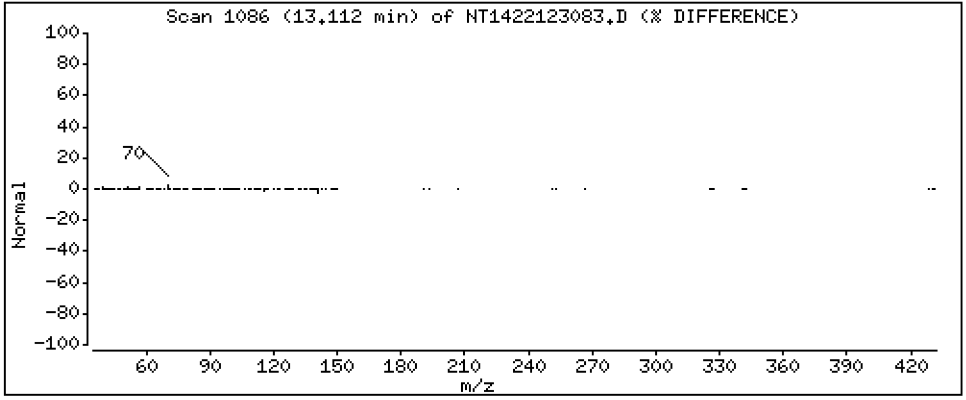
Column phase: ZB-5msi Column diameter: 0.25

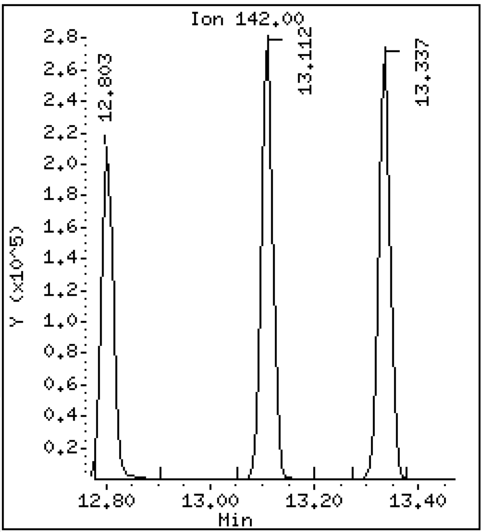
32 2-Methylnaphthalene Concentration: 4.777 ug/mL


Scan 1086 (13.112 min) of NT1422123083.D


Scan 1086 (13.112 min) of NT1422123083.D (Subtracted)


32 2-Methylnaphthalene (Reference Spectrum)


Scan 1086 (13.112 min) of NT1422123083.D (% DIFFERENCE)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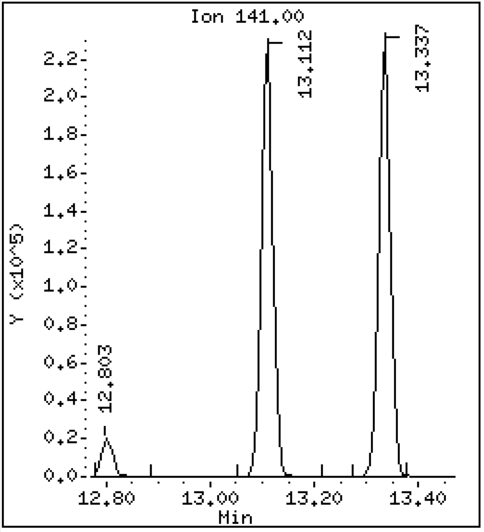
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Data File: \\target\share\chem3\nt14.i\20221230C.b\NT1422123083.D

Date : 01-JAN-2023 09:41

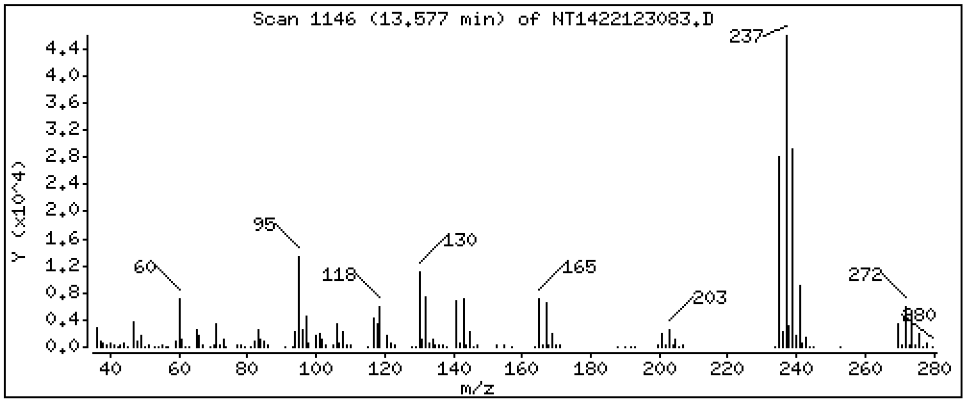
Client ID: Instrument: nt14.i

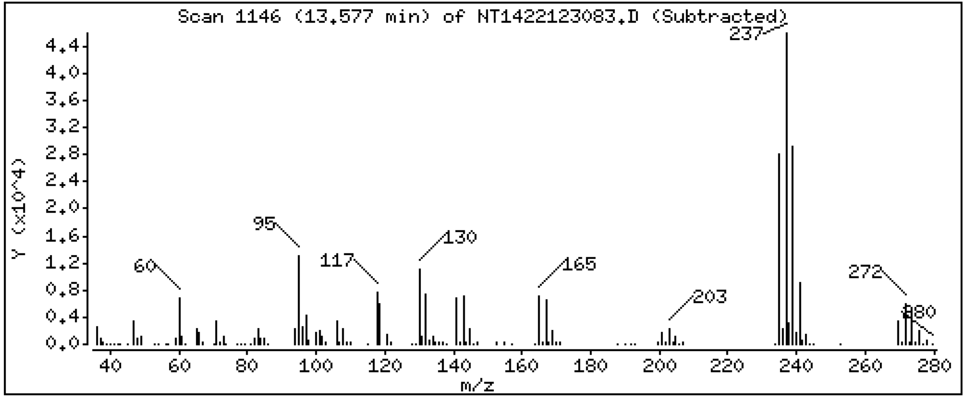
Sample Info: SKL0355-CCV1

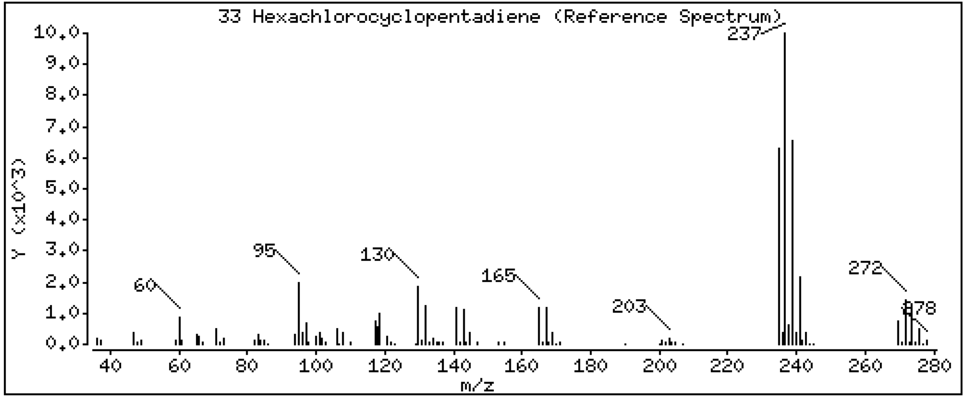
Operator: VTS

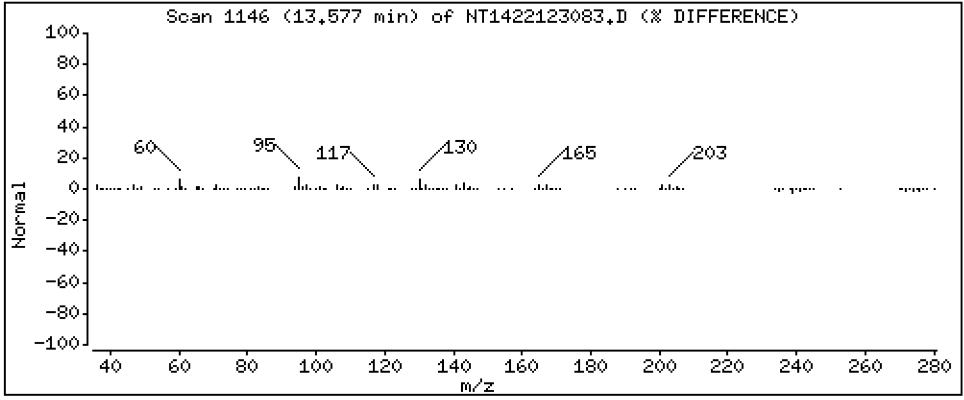
Column phase: ZB-5msi Column diameter: 0.25

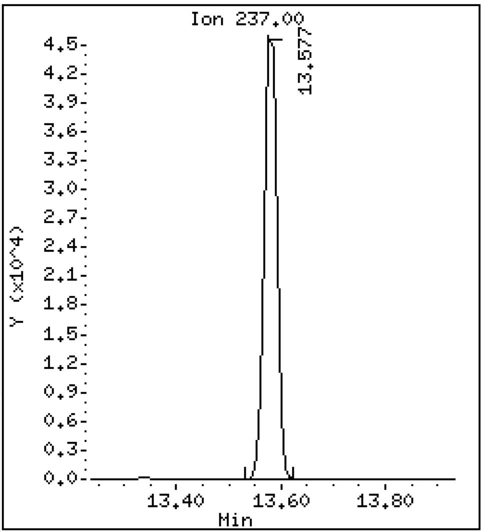
33 Hexachlorocyclopentadiene Concentration: 3.594 ug/mL

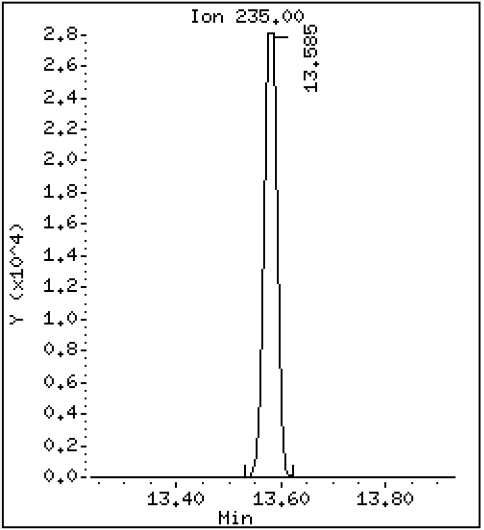

Scan 1146 (13.577 min) of NT1422123083.D

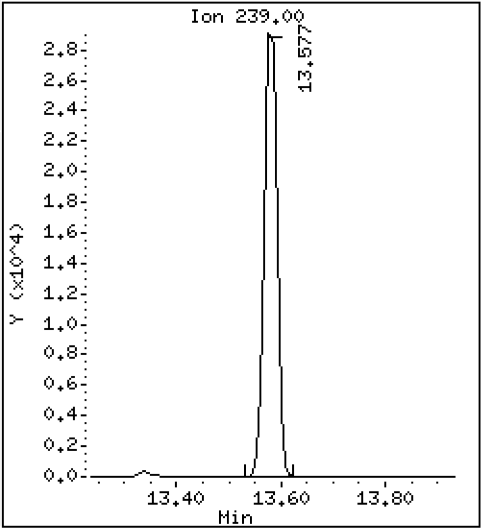

Scan 1146 (13.577 min) of NT1422123083.D (Subtracted)


33 Hexachlorocyclopentadiene (Reference Spectrum)


Scan 1146 (13.577 min) of NT1422123083.D (% DIFFERENCE)


Ion 237.00


Ion 235.00


Ion 239.00

Data File: \\target\share\chem3\nt14.i\20221230C.b\NT1422123083.D

Date : 01-JAN-2023 09:41

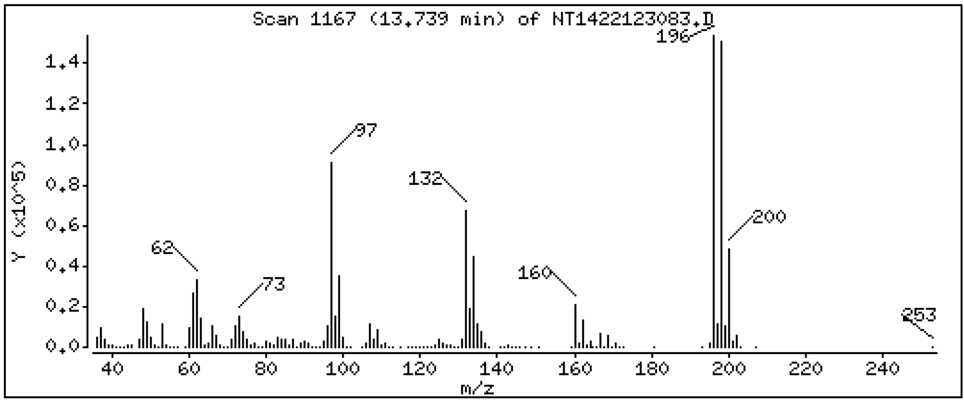
Client ID: Instrument: nt14.i

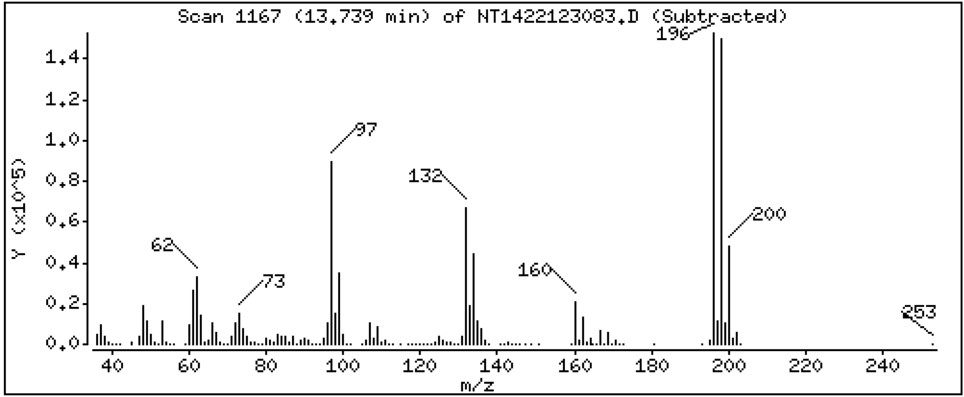
Sample Info: SKL0355-CCV1

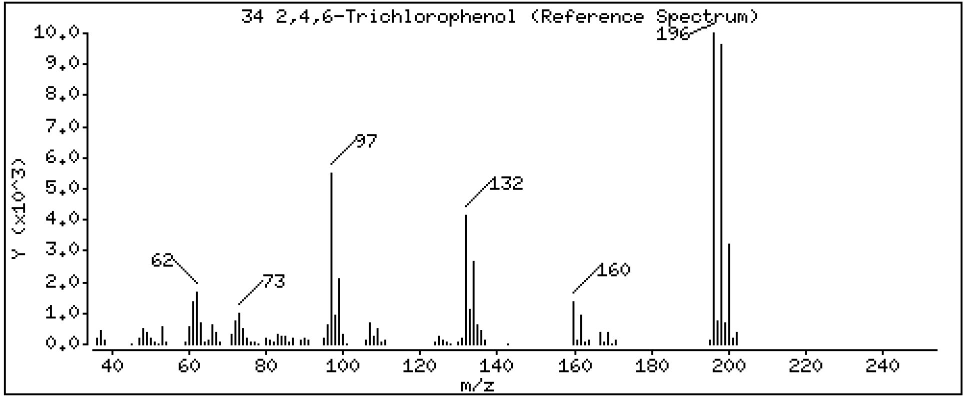
Operator: VTS

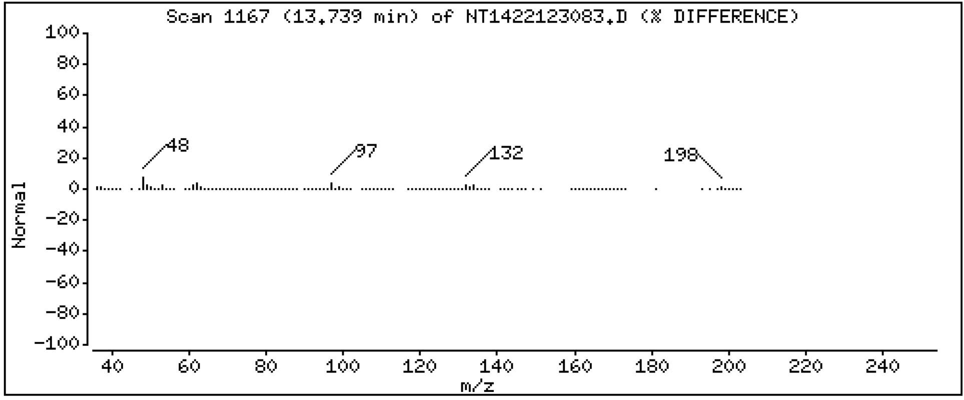
Column phase: ZB-5msi Column diameter: 0.25

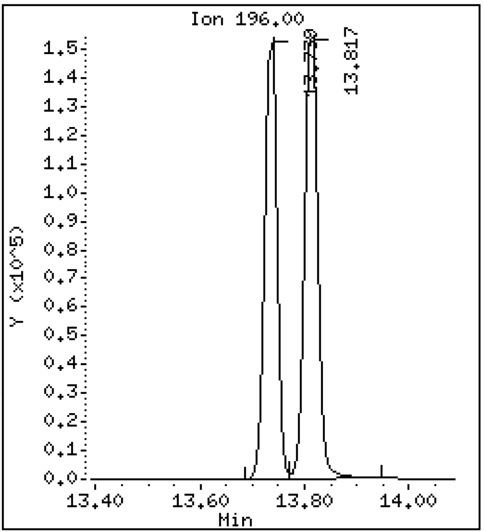
34 2,4,6-Trichlorophenol Concentration: 10.37 ug/mL

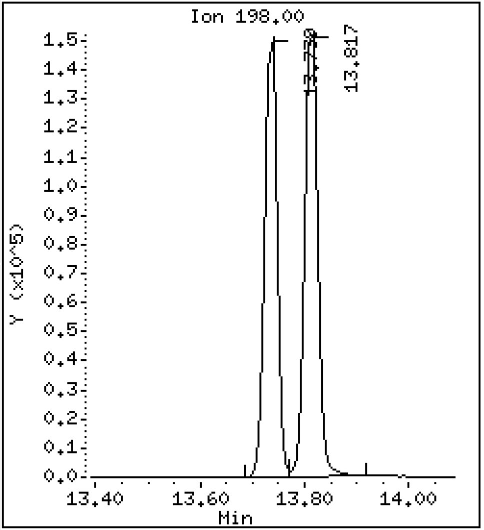


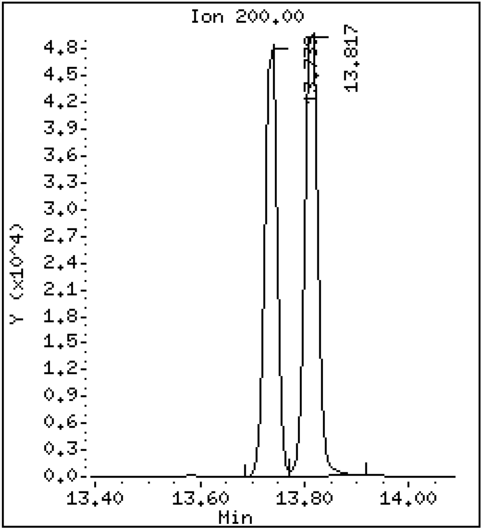












Data File: \\target\share\chem3\nt14.i\20221230C.b\NT1422123083.D

Date : 01-JAN-2023 09:41

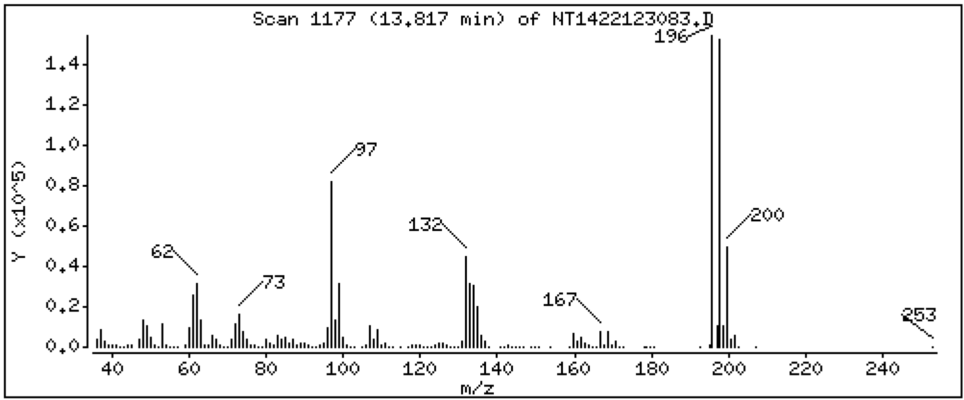
Client ID: Instrument: nt14.i

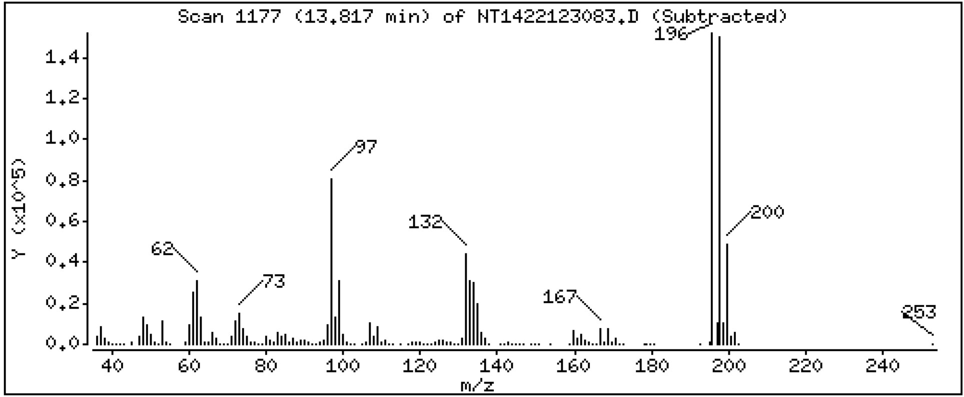
Sample Info: SKL0355-CCV1

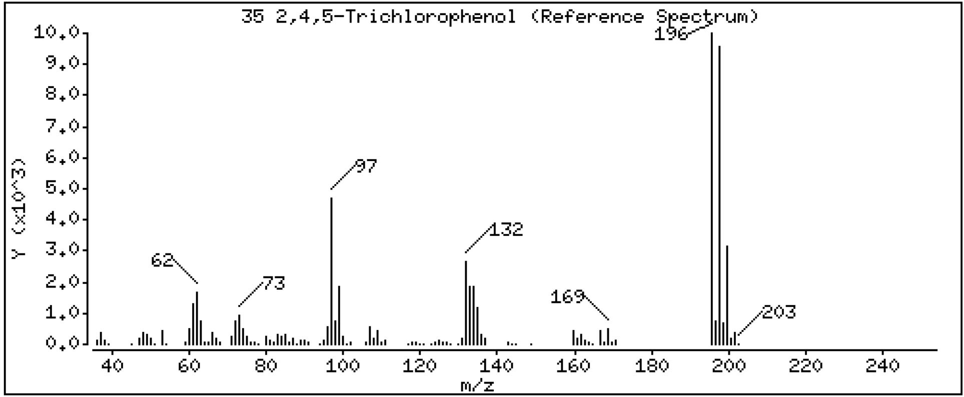
Operator: VTS

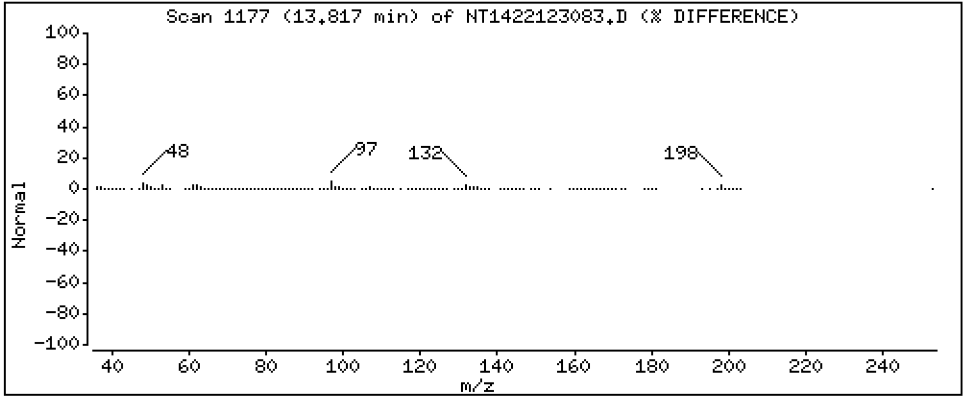
Column phase: ZB-5msi Column diameter: 0.25

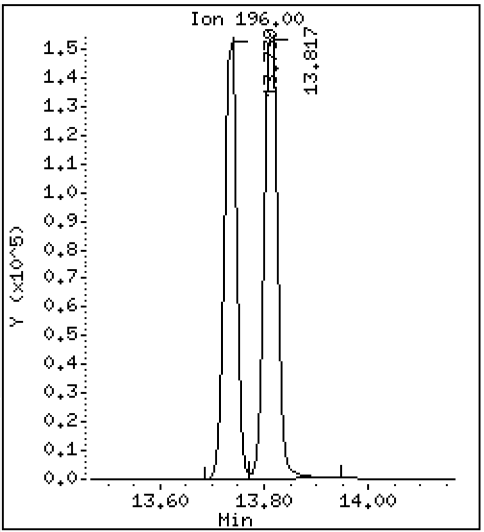
35 2,4,5-Trichlorophenol Concentration: 9.924 ug/mL

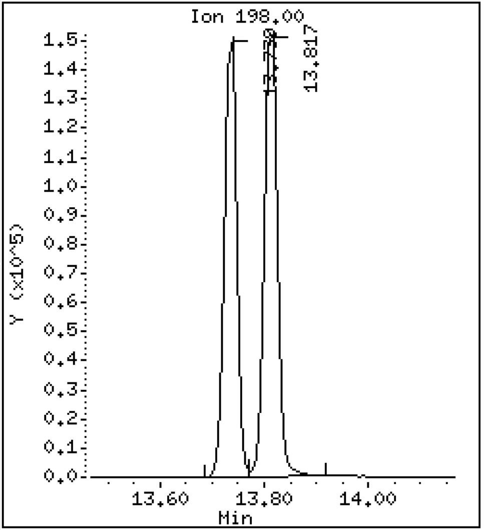

Scan 1177 (13.817 min) of NT1422123083.D

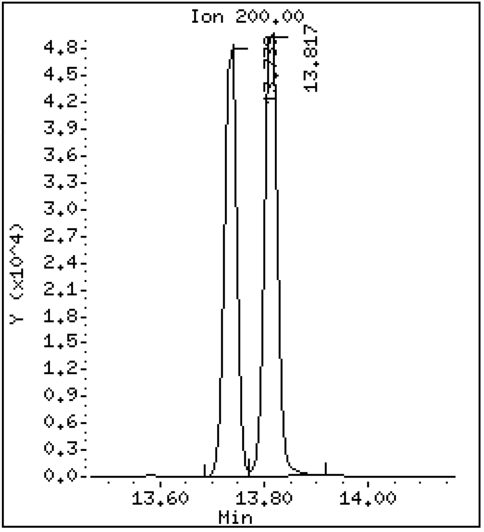

Scan 1177 (13.817 min) of NT1422123083.D (Subtracted)


35 2,4,5-Trichlorophenol (Reference Spectrum)


Scan 1177 (13.817 min) of NT1422123083.D (% DIFFERENCE)


Ion 196.00


Ion 198.00


Ion 200.00

Data File: \\target\share\chem3\nt14.i\20221230C.b\NT1422123083.D

Date : 01-JAN-2023 09:41

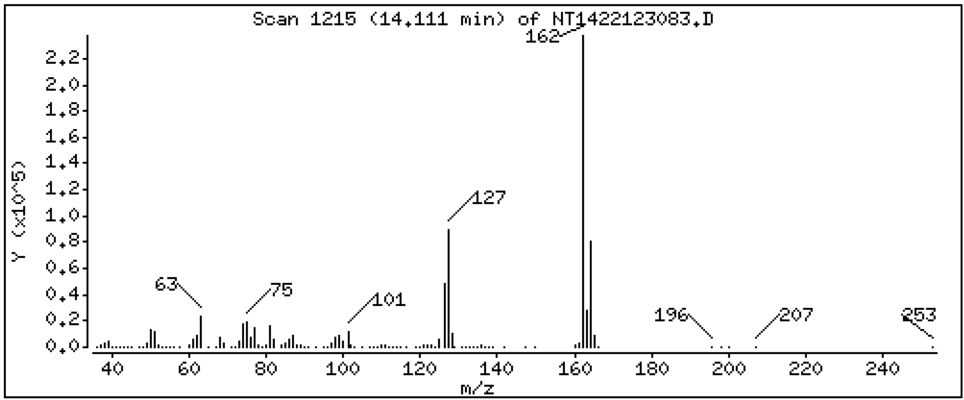
Client ID: Instrument: nt14.i

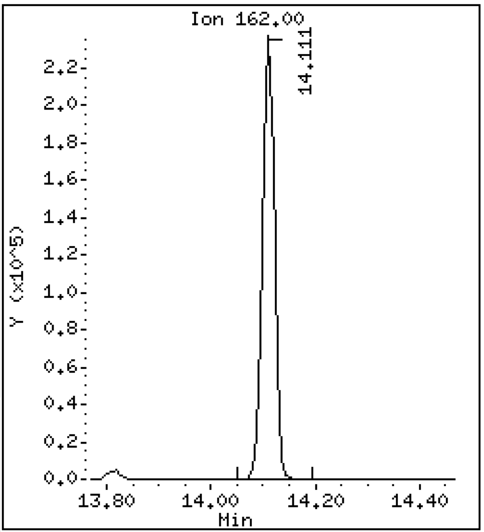
Sample Info: SKL0355-CCV1

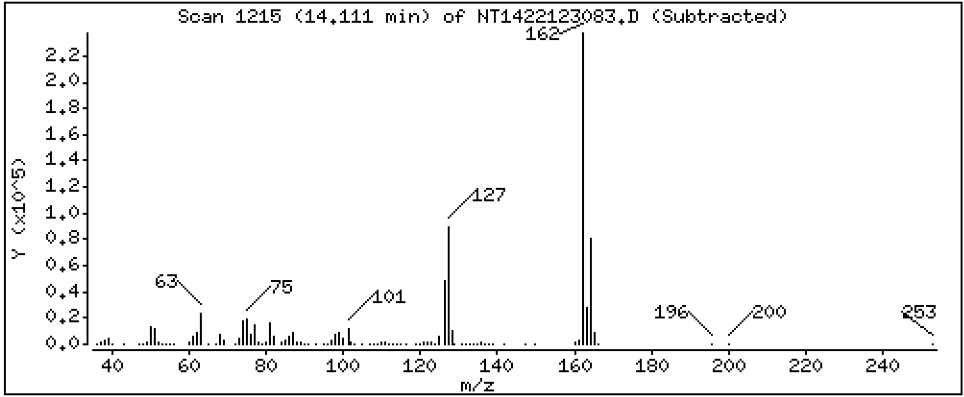
Operator: VTS

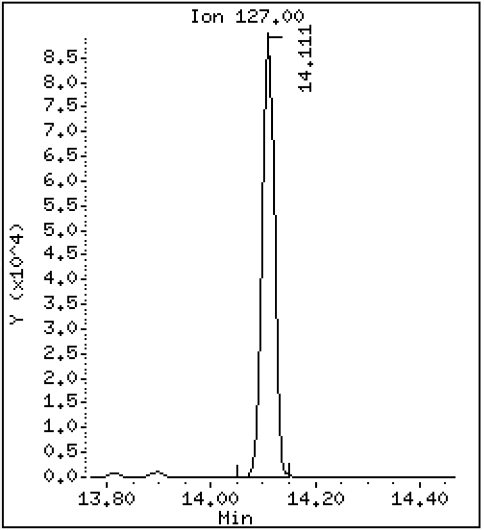
Column phase: ZB-5msi Column diameter: 0.25

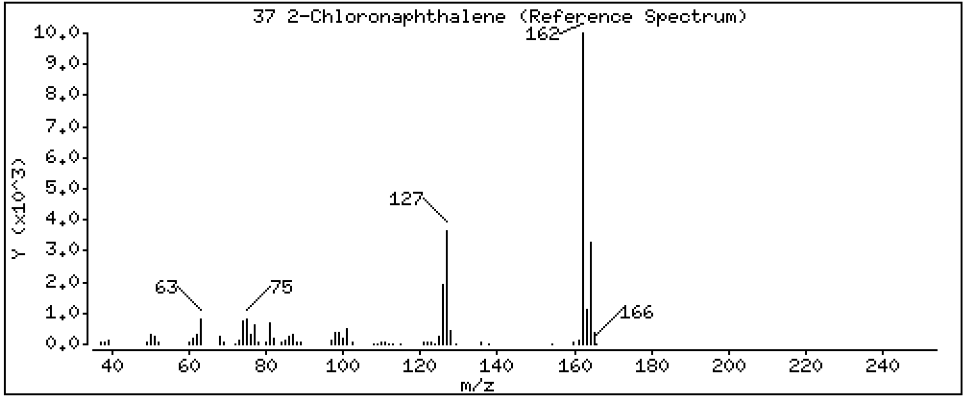
37 2-Chloronaphthalene Concentration: 4.581 ug/mL

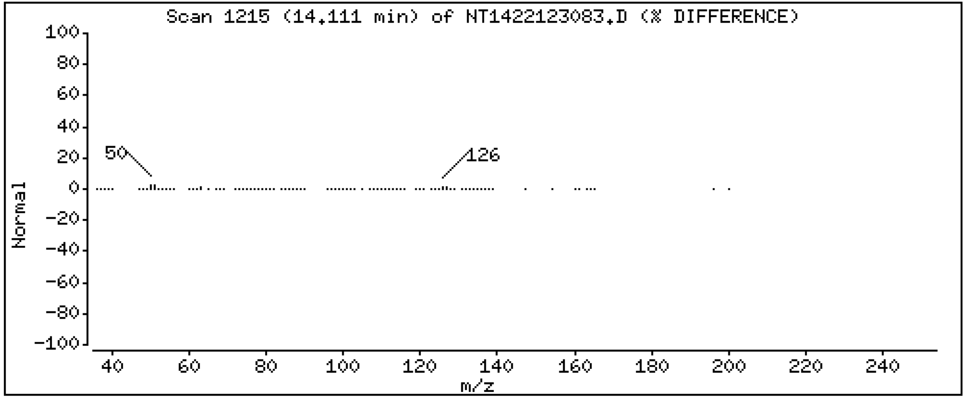


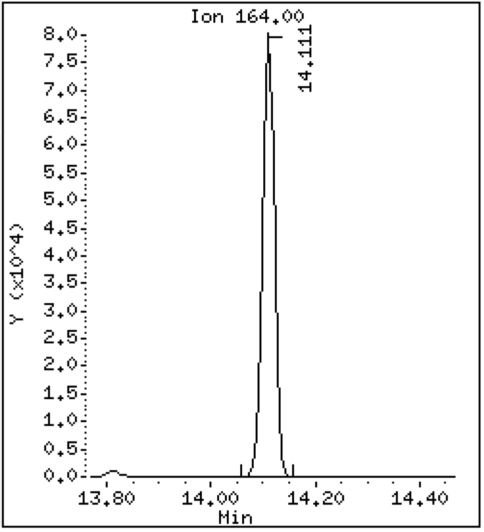












Date : 01-JAN-2023 09:41

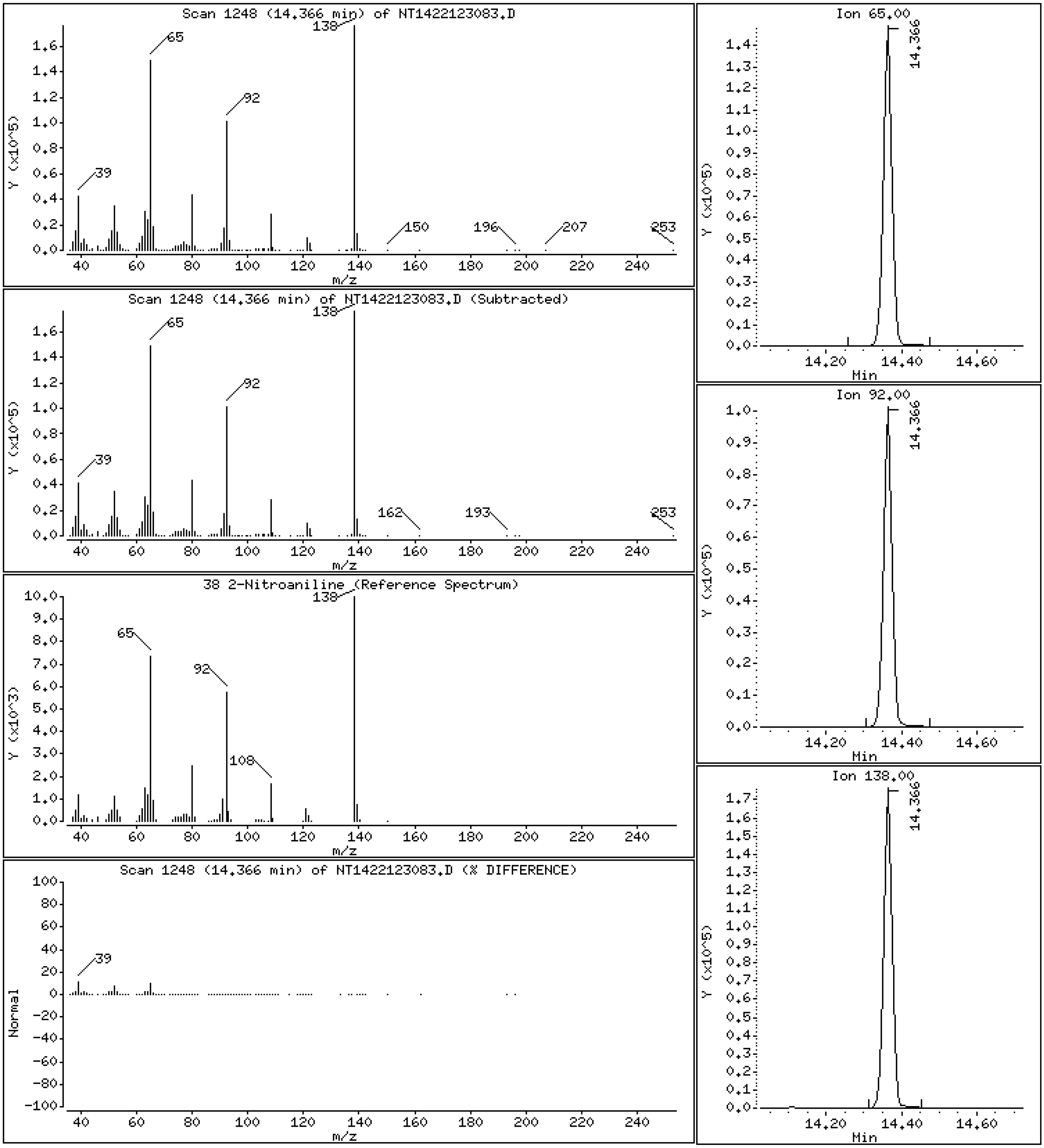
Client ID: Instrument: nt14.i

Sample Info: SKL0355-CCV1

Operator: VTS

Column phase: ZB-5msi Column diameter: 0.25

38 2-Nitroaniline Concentration: 11.27 ug/mL



Date : 01-JAN-2023 09:41

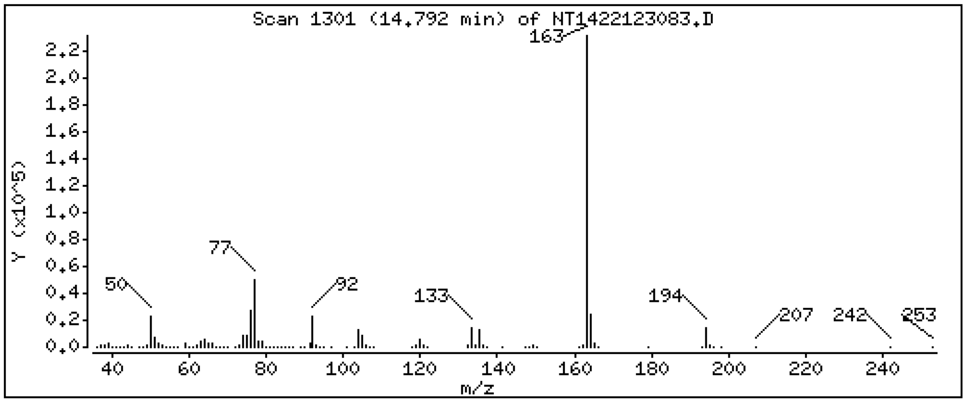
Client ID: Instrument: nt14.i

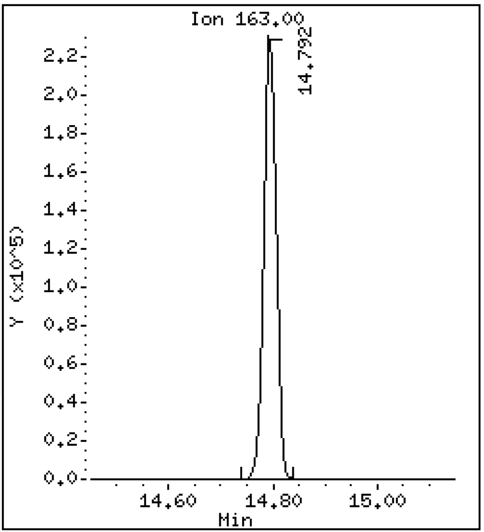
Sample Info: SKL0355-CCV1

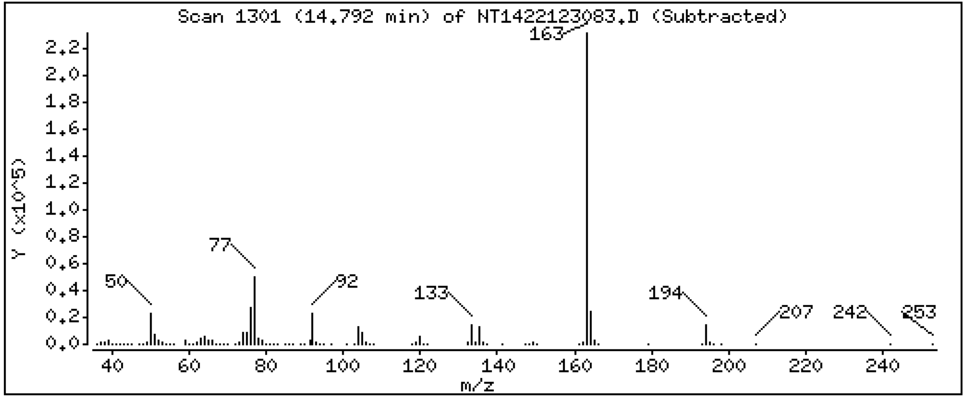
Operator: VTS

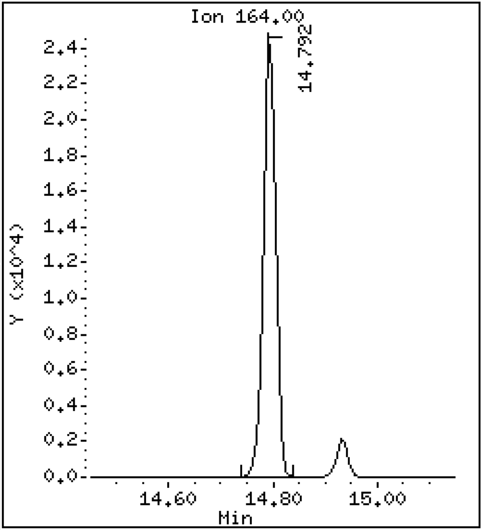
Column phase: ZB-5msi Column diameter: 0.25

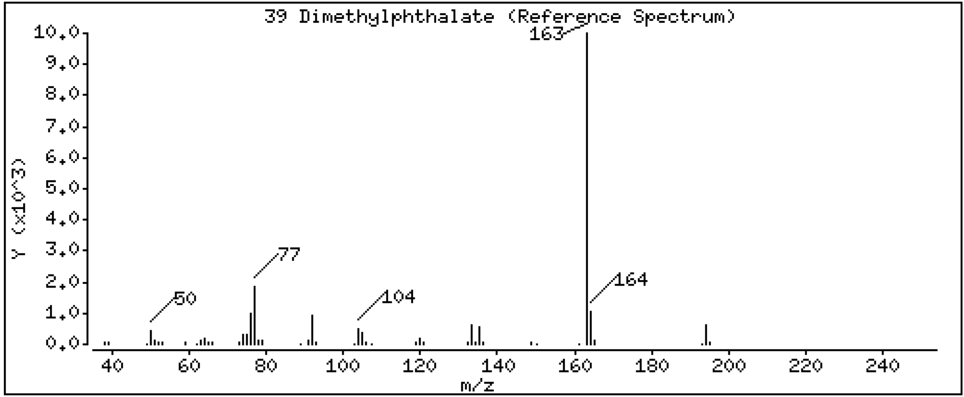
39 Dimethylphthalate Concentration: 4.791 ug/mL

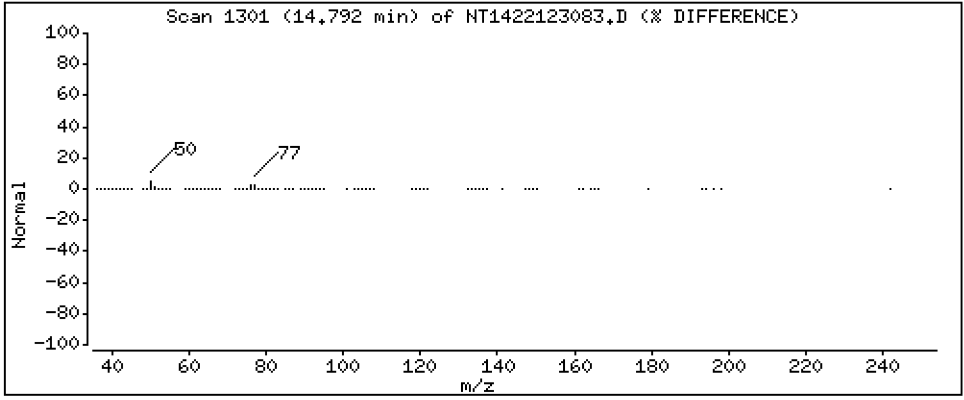

Scan 1301 (14.792 min) of NT1422123083.D

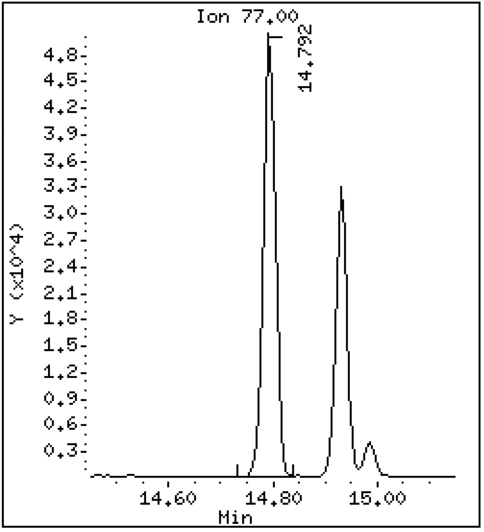

Ion 163.00


Scan 1301 (14.792 min) of NT1422123083.D (Subtracted)


Ion 164.00


39 Dimethylphthalate (Reference Spectrum)


Scan 1301 (14.792 min) of NT1422123083.D (% DIFFERENCE)


Ion 77.00

Data File: \\target\share\chem3\nt14.i\20221230C.b\NT1422123083.D

Date : 01-JAN-2023 09:41

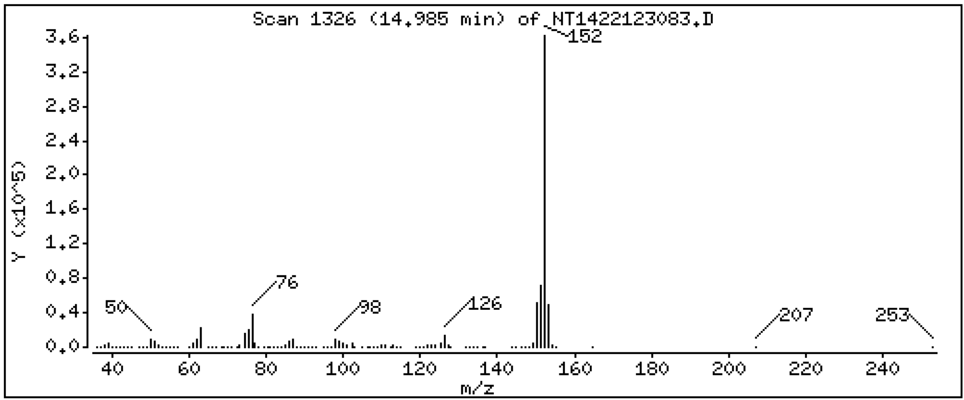
Client ID: Instrument: nt14.i

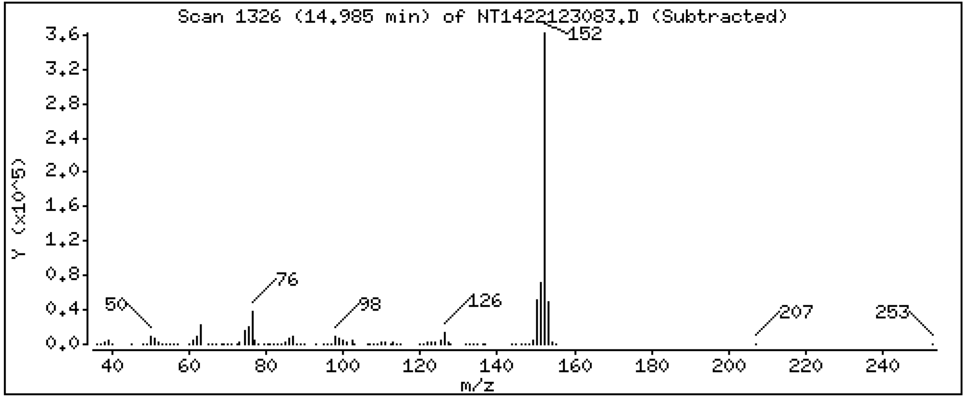
Sample Info: SKL0355-CCV1

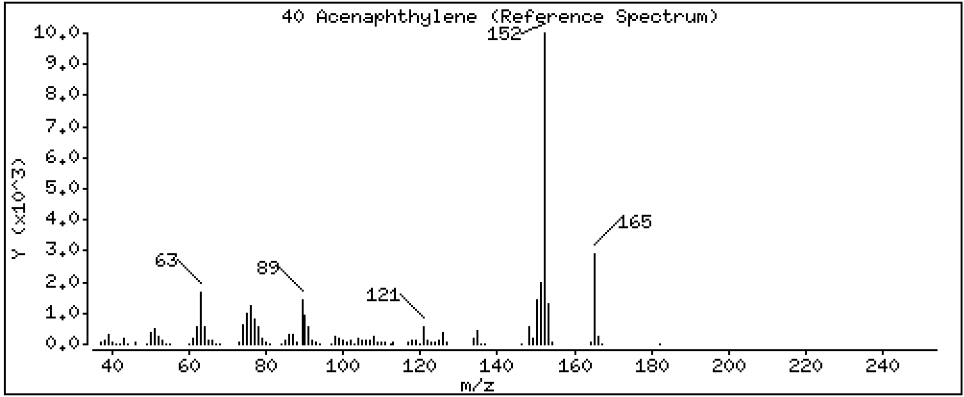
Operator: VTS

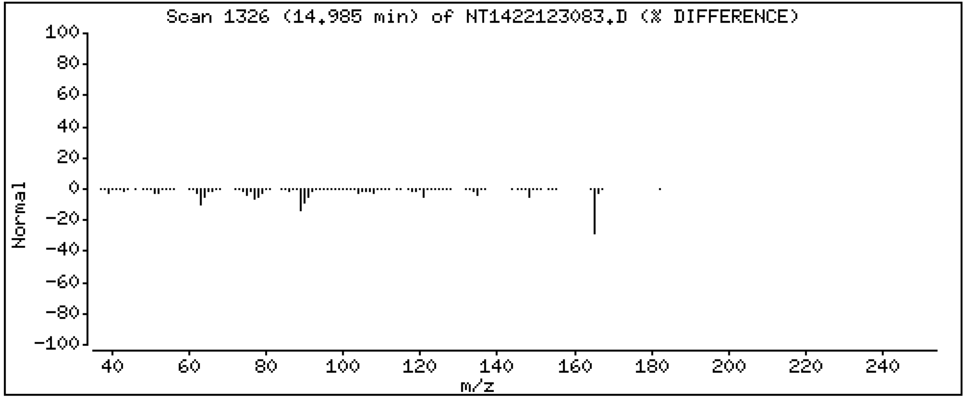
Column phase: ZB-5msi Column diameter: 0.25

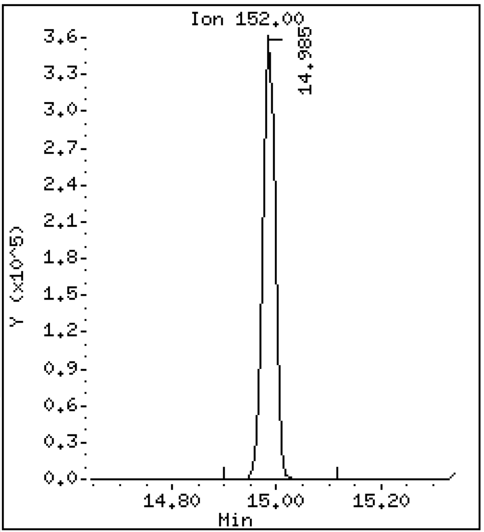
40 Acenaphthylene Concentration: 5.043 ug/mL

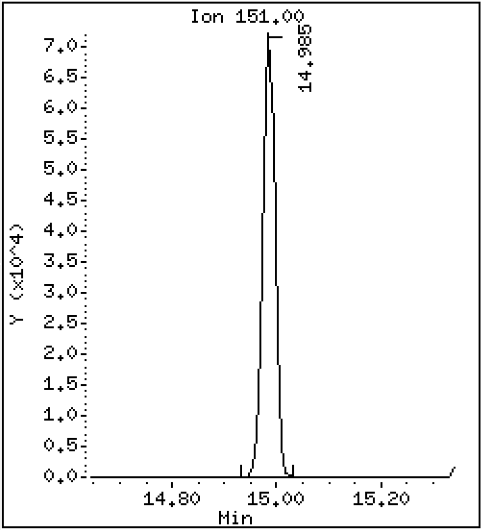

Scan 1326 (14.985 min) of NT1422123083.D

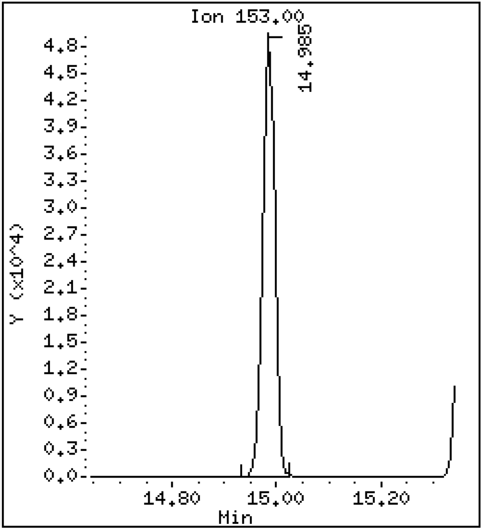

Scan 1326 (14.985 min) of NT1422123083.D (Subtracted)


40 Acenaphthylene (Reference Spectrum)


Scan 1326 (14.985 min) of NT1422123083.D (% DIFFERENCE)


Ion 152.00


Ion 151.00


Ion 153.00

Data File: \\target\share\chem3\nt14.i\20221230C.b\NT1422123083.D

Date : 01-JAN-2023 09:41

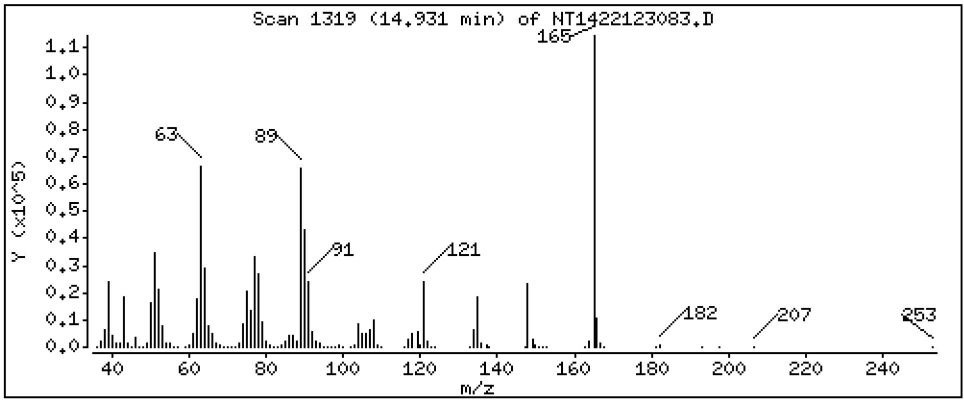
Client ID: Instrument: nt14.i

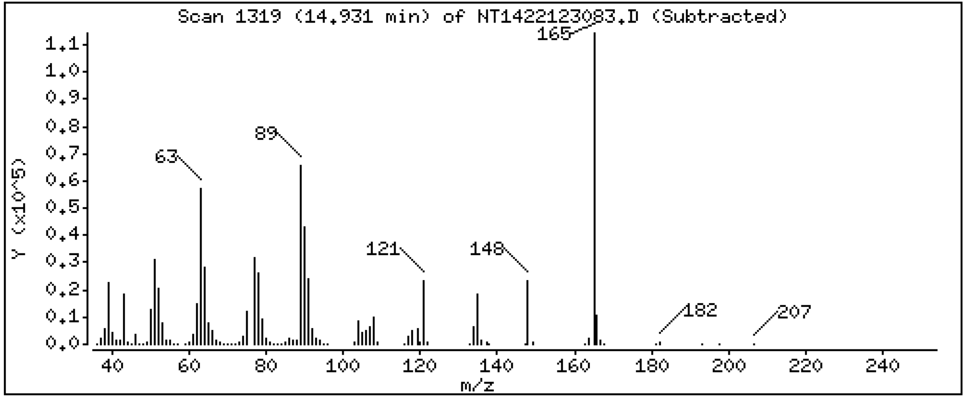
Sample Info: SKL0355-CCV1

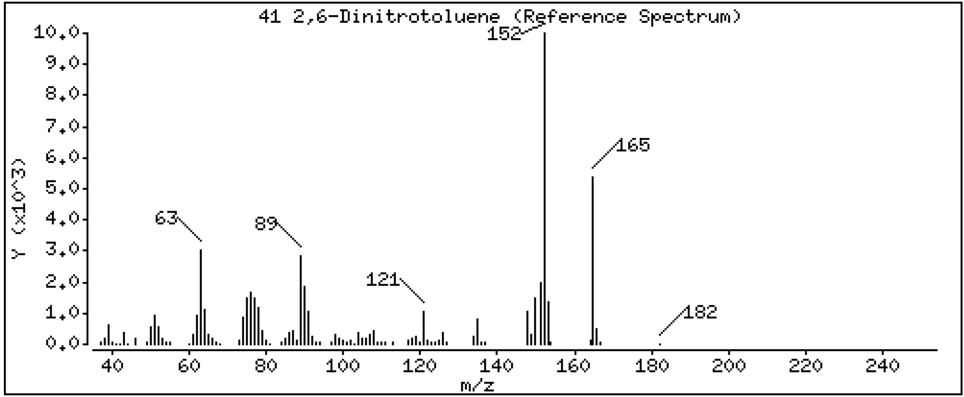
Operator: VTS

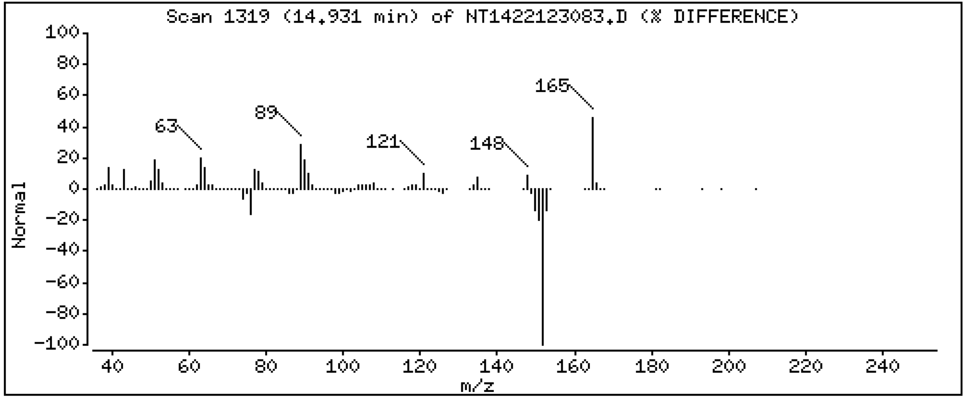
Column phase: ZB-5msi Column diameter: 0.25

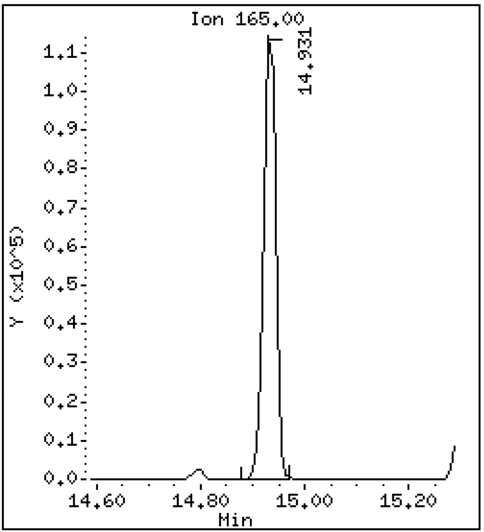
41 2,6-Dinitrotoluene Concentration: 10.14 ug/mL

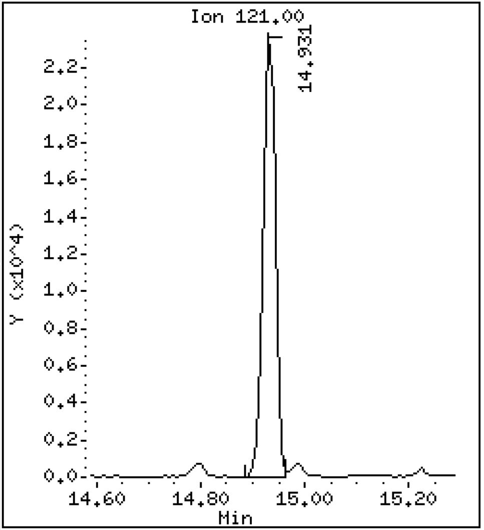


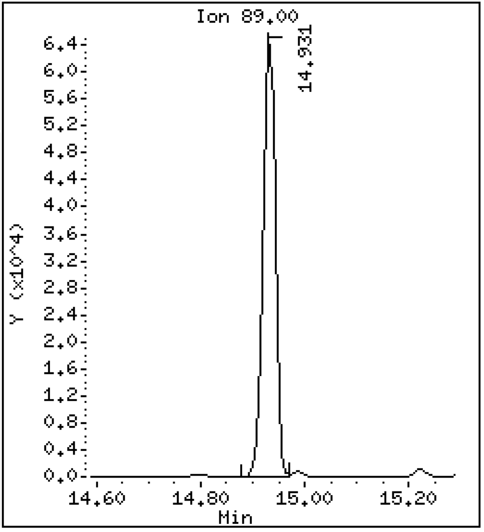












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Date : 01-JAN-2023 09:41

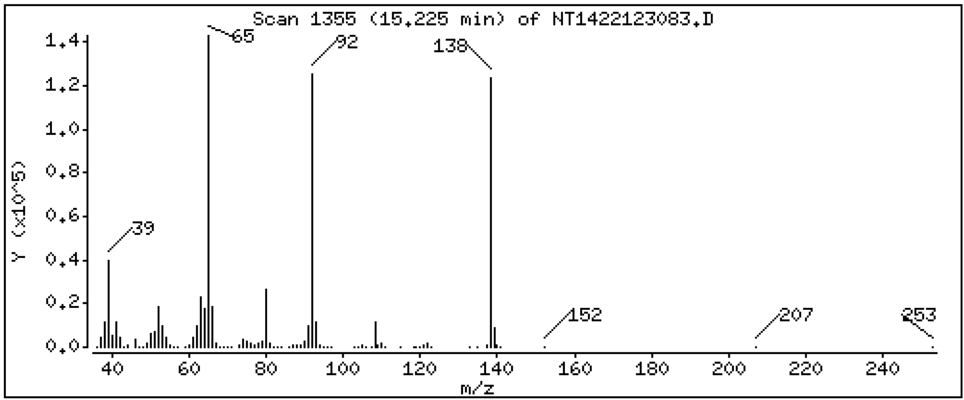
Client ID: Instrument: nt14.i

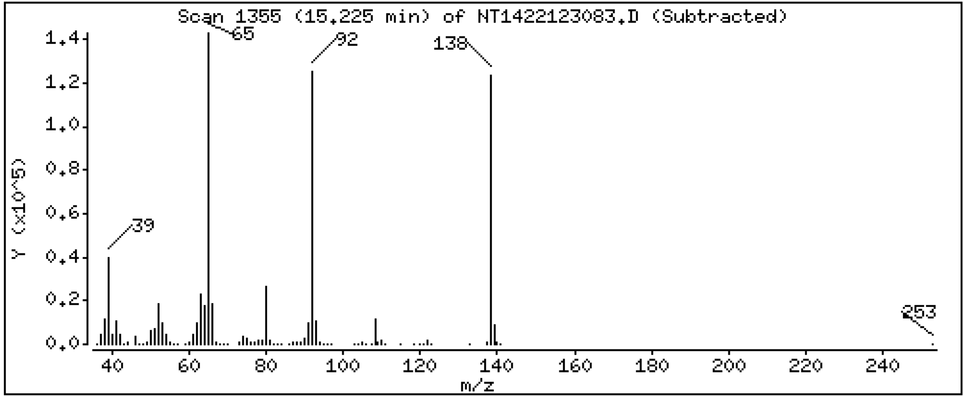
Sample Info: SKL0355-CCV1

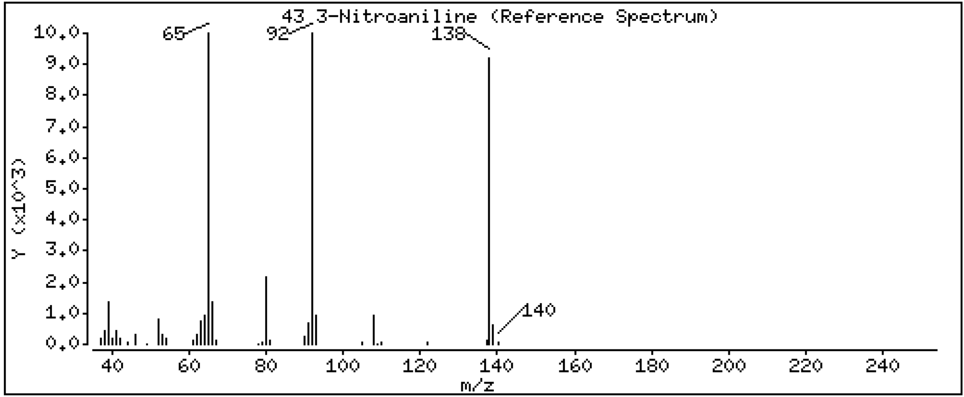
Operator: VTS

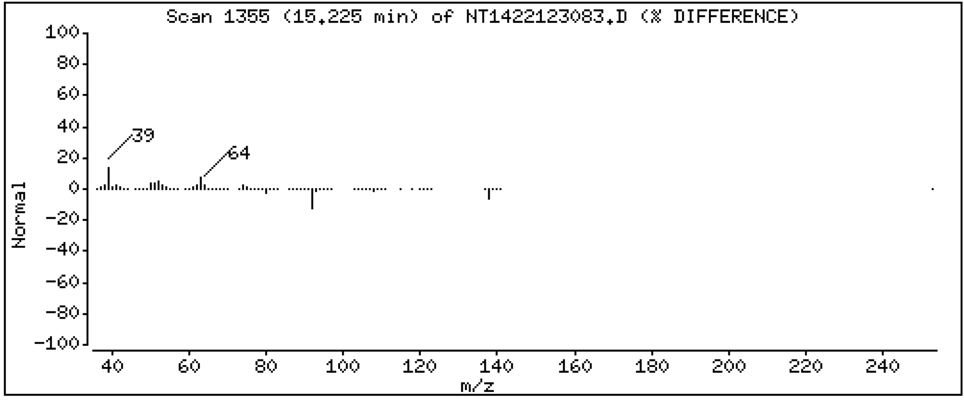
Column phase: ZB-5msi Column diameter: 0.25

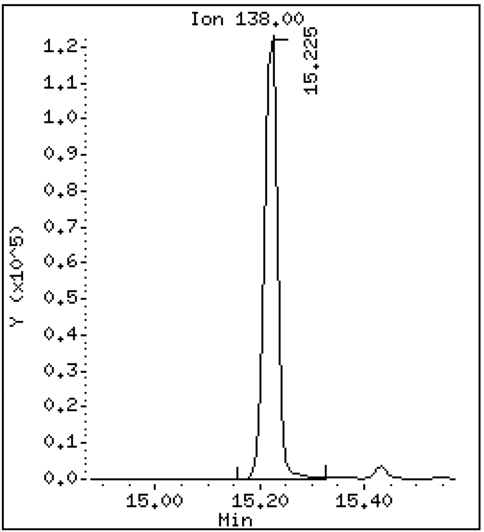
43 3-Nitroaniline Concentration: 9.682 ug/mL

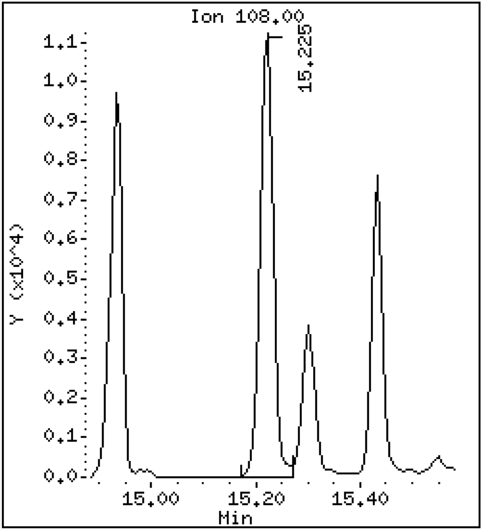

Scan 1355 (15.225 min) of NT1422123083.D

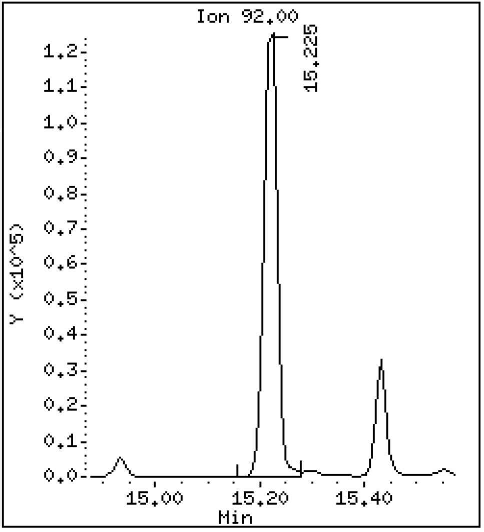

Scan 1355 (15.225 min) of NT1422123083.D (Subtracted)


43 3-Nitroaniline (Reference Spectrum)


Scan 1355 (15.225 min) of NT1422123083.D (% DIFFERENCE)


Ion 138.00


Ion 108.00


Ion 92.00

Data File: \\target\share\chem3\nt14.i\20221230C.b\NT1422123083.D

Date : 01-JAN-2023 09:41

Client ID:

Instrument: nt14.i

Sample Info: SKL0355-CCV1

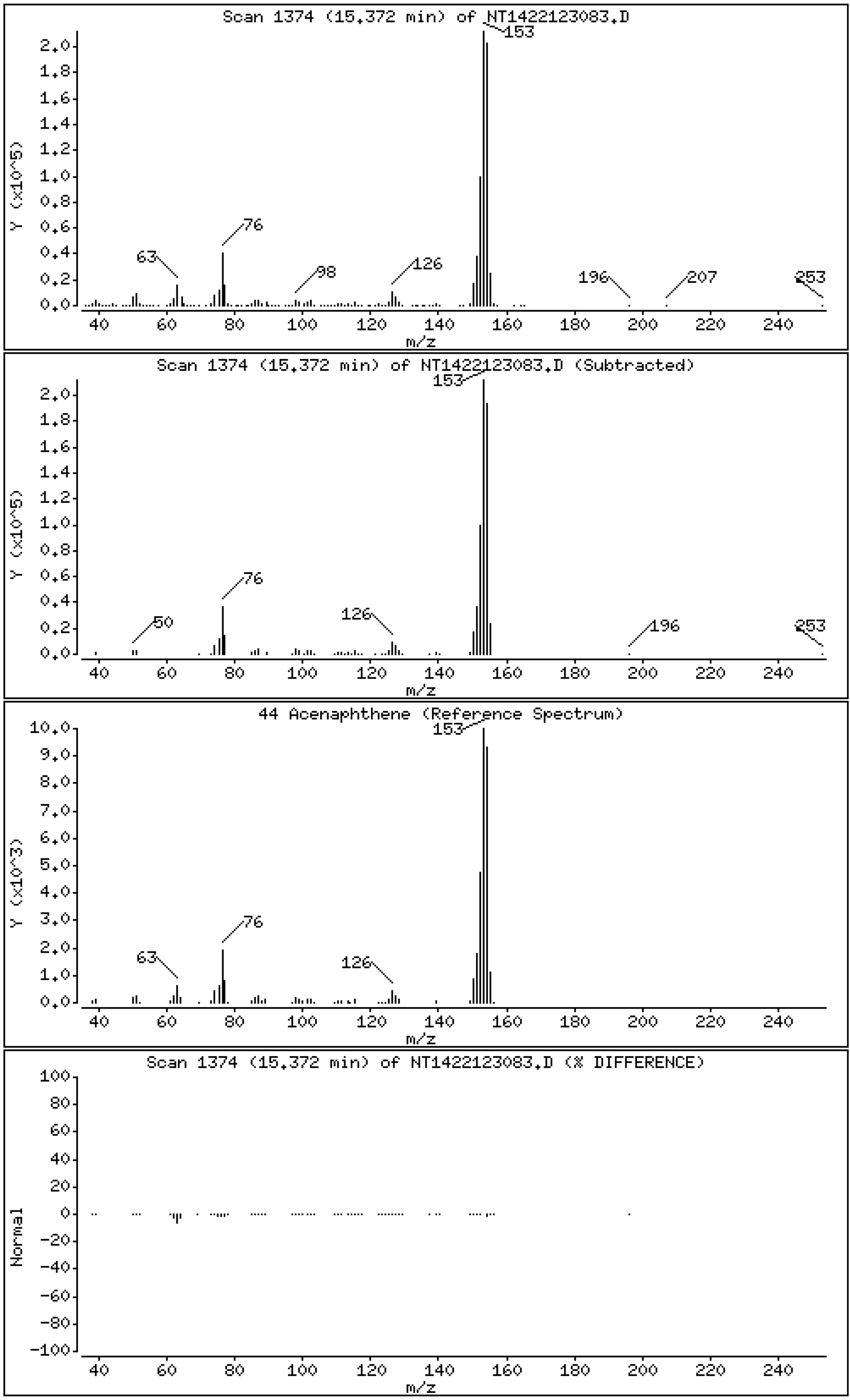
Operator: VTS

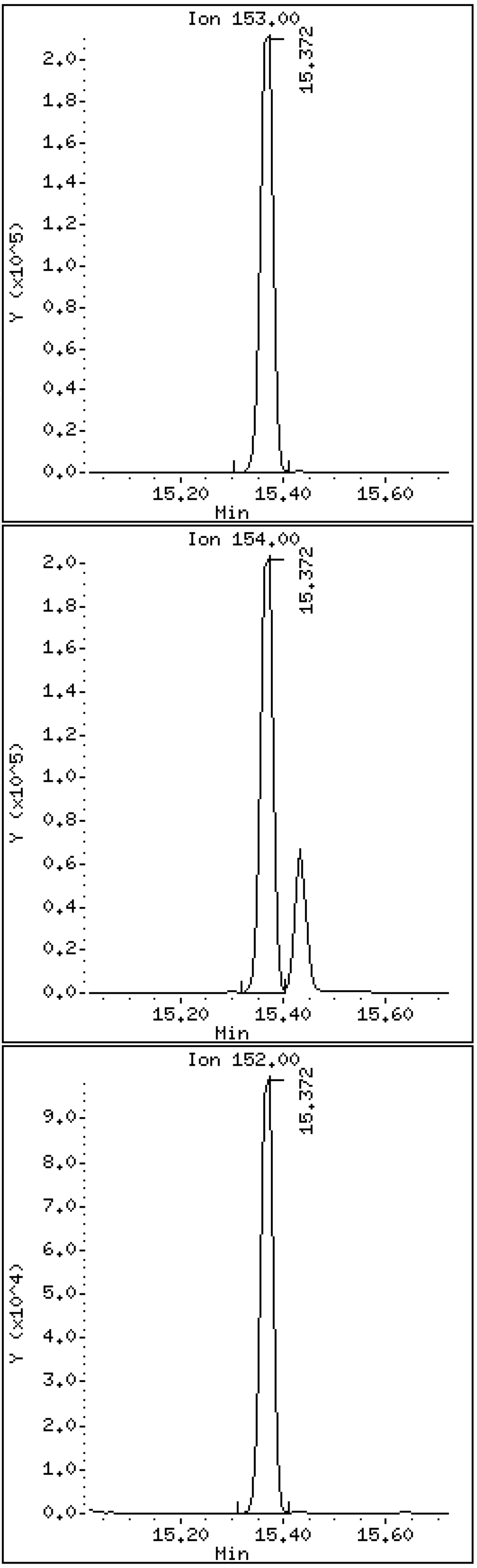
Column phase: ZB-5msi

Column diameter: 0.25

44 Acenaphthene

Concentration: 4.621 ug/mL





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Date : 01-JAN-2023 09:41

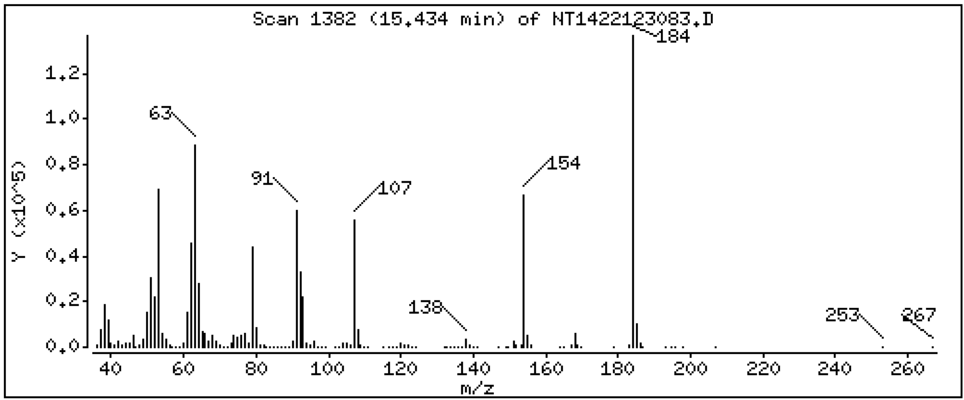
Client ID: Instrument: nt14.i

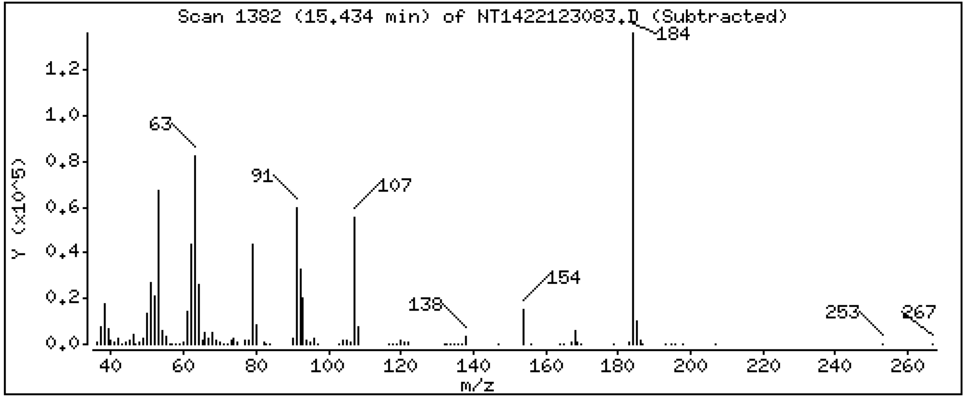
Sample Info: SKL0355-CCV1

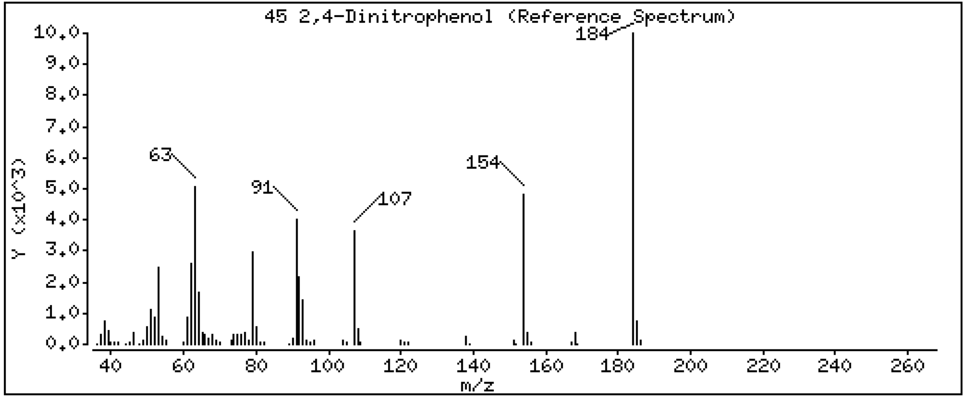
Operator: VTS

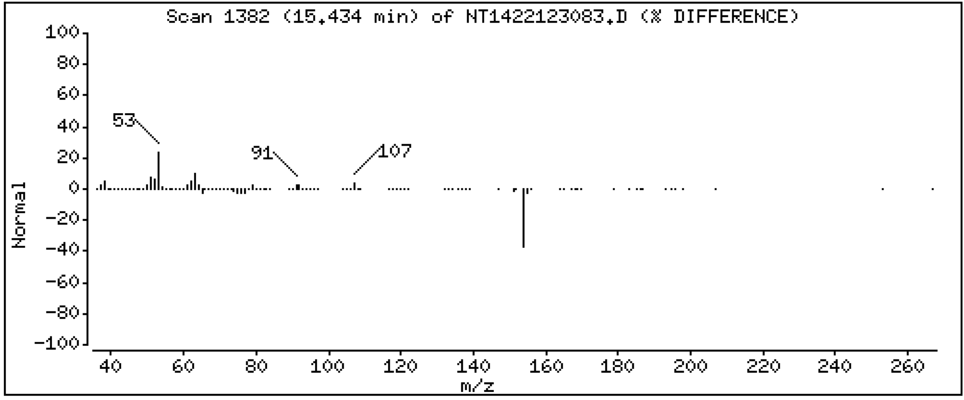
Column phase: ZB-5msi Column diameter: 0.25

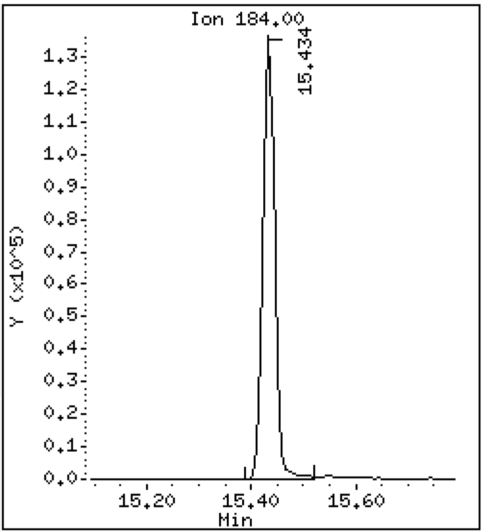
45 2,4-Dinitrophenol Concentration: 13.30 ug/mL

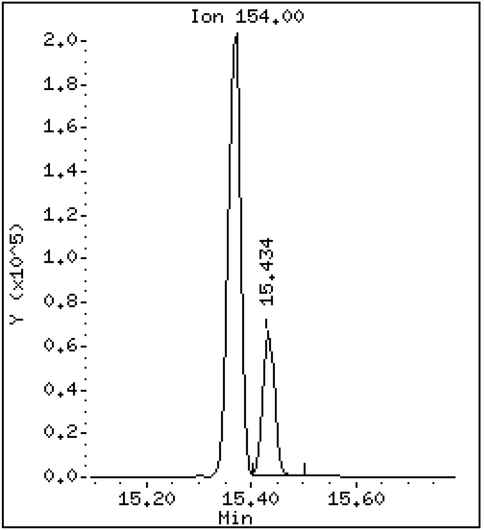


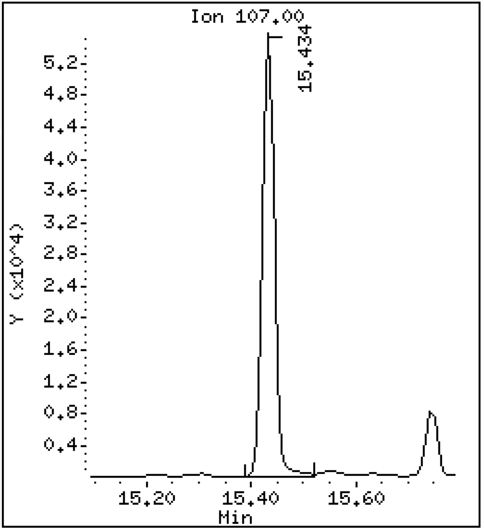












Date : 01-JAN-2023 09:41

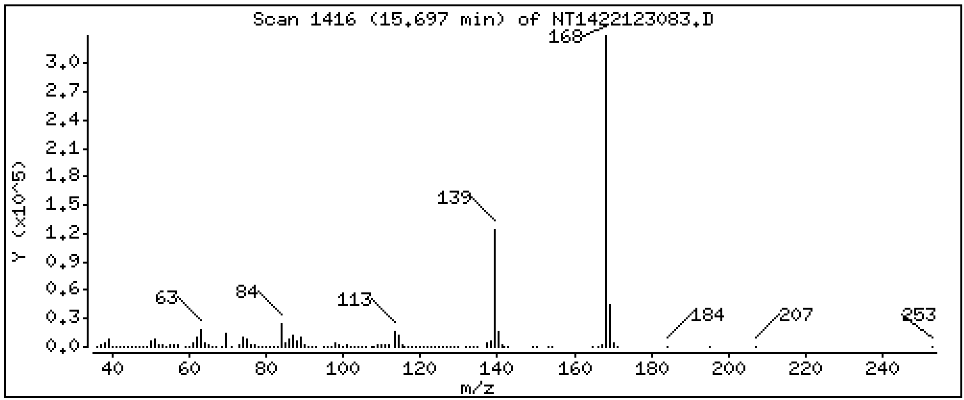
Client ID: Instrument: nt14.i

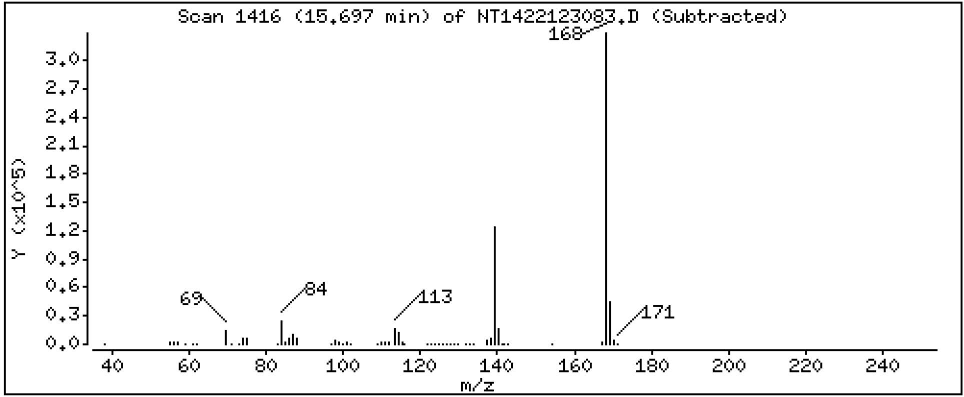
Sample Info: SKL0355-CCV1

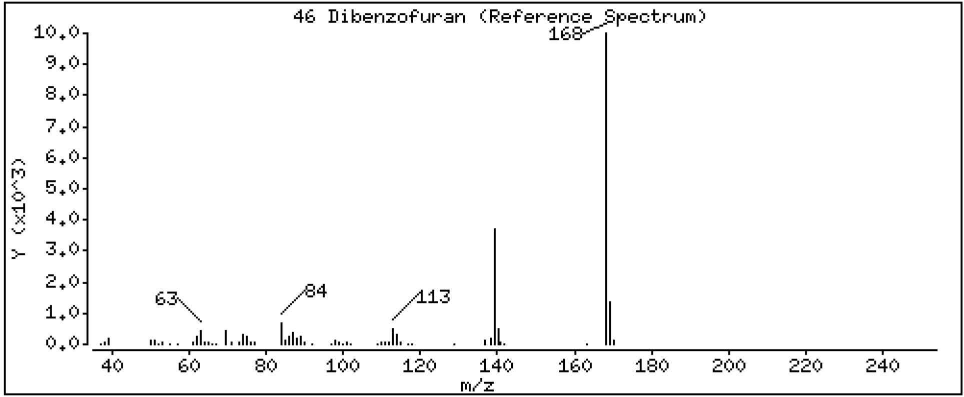
Operator: VTS

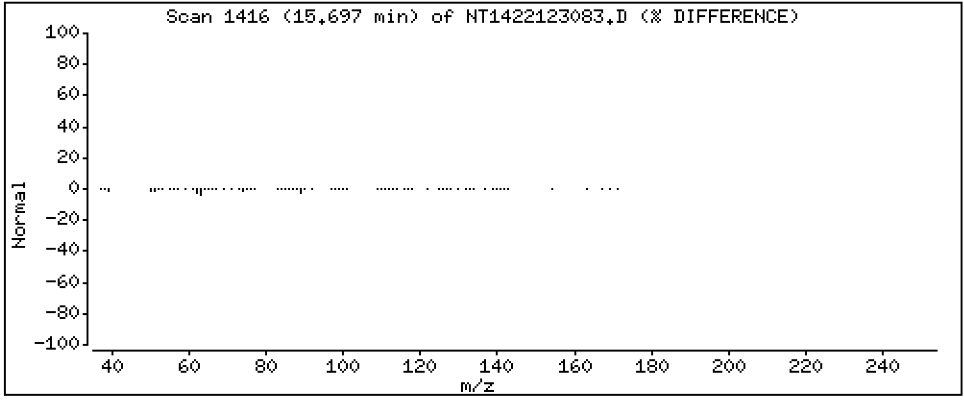
Column phase: ZB-5msi Column diameter: 0.25

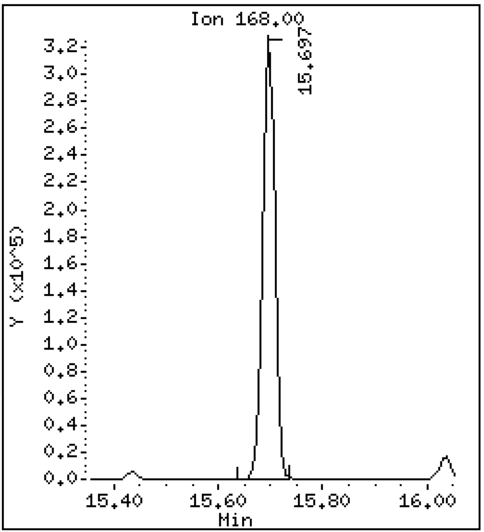
46 Dibenzofuran Concentration: 4.517 ug/mL

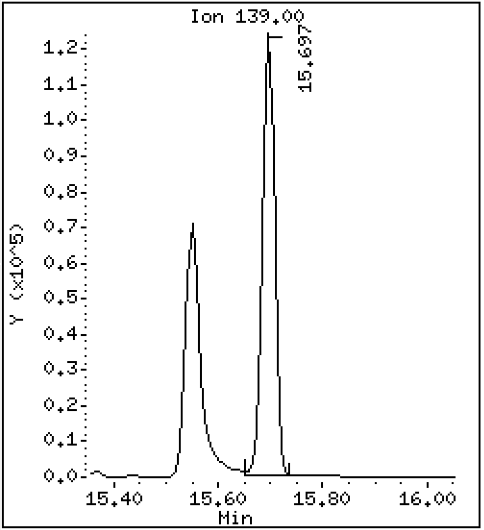


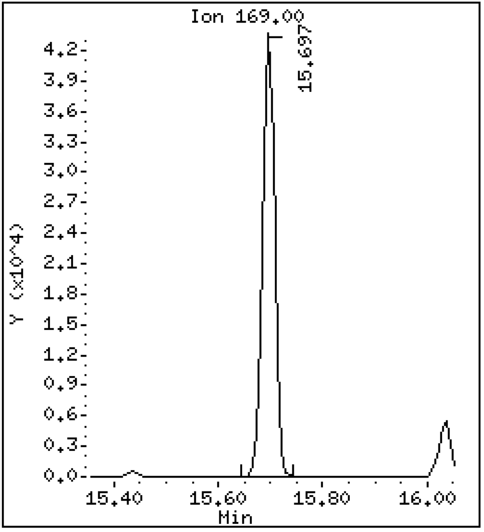












Data File: \\target\share\chem3\nt14.i\20221230C.b\NT1422123083.D

Date : 01-JAN-2023 09:41

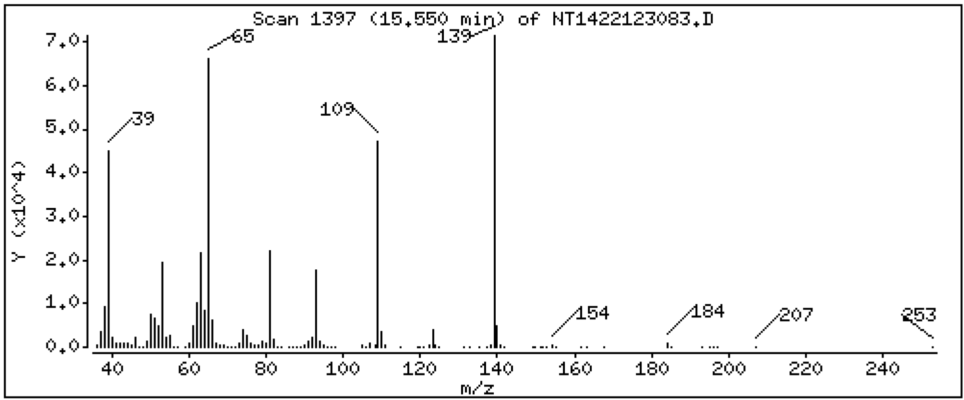
Client ID: Instrument: nt14.i

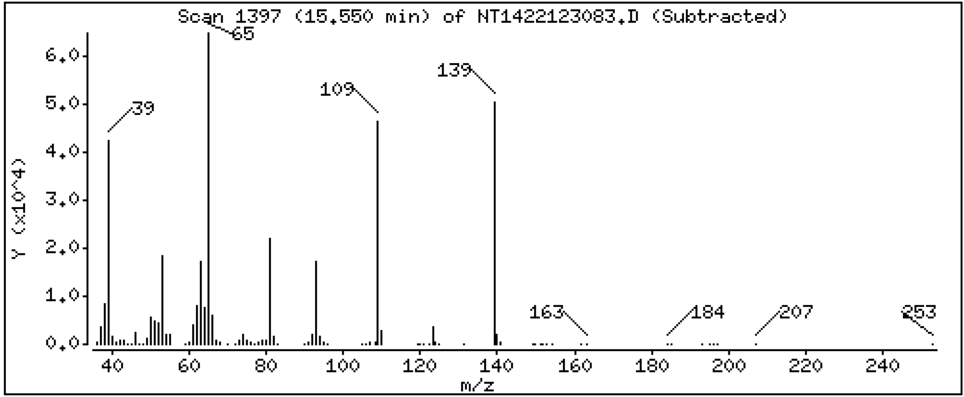
Sample Info: SKL0355-CCV1

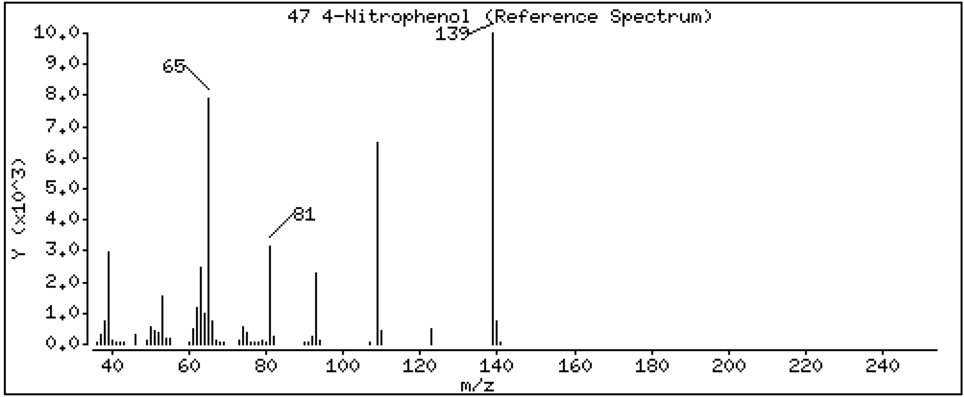
Operator: VTS

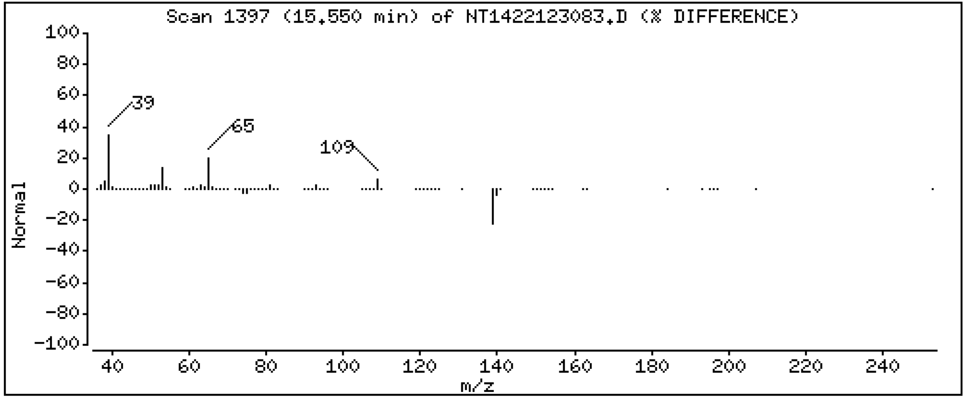
Column phase: ZB-5msi Column diameter: 0.25

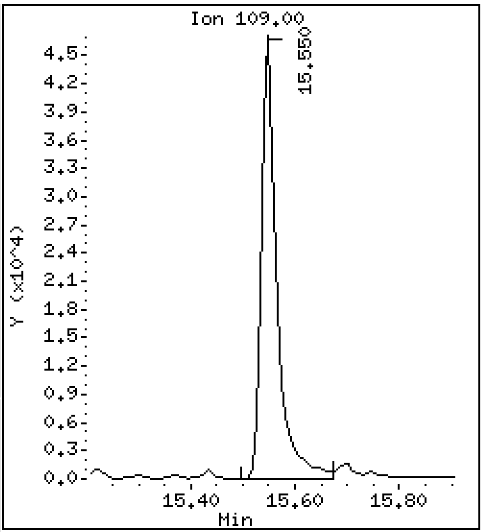
47 4-Nitrophenol Concentration: 9.201 ug/mL

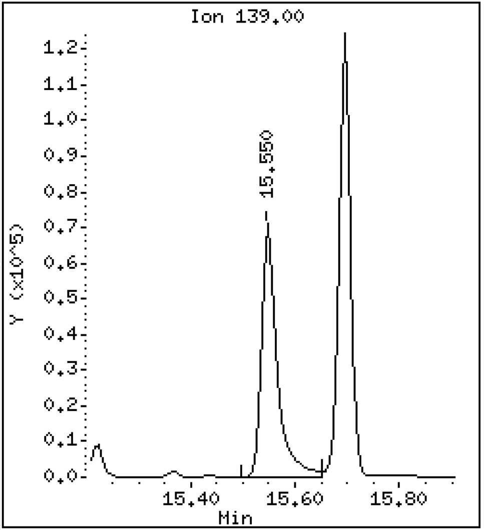


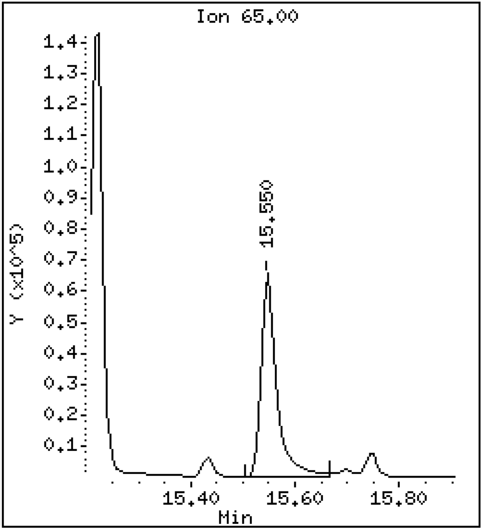












Data File: \\target\share\chem3\nt14.i\20221230C.b\NT1422123083.D

Date : 01-JAN-2023 09:41

Client ID: Instrument: nt14.i

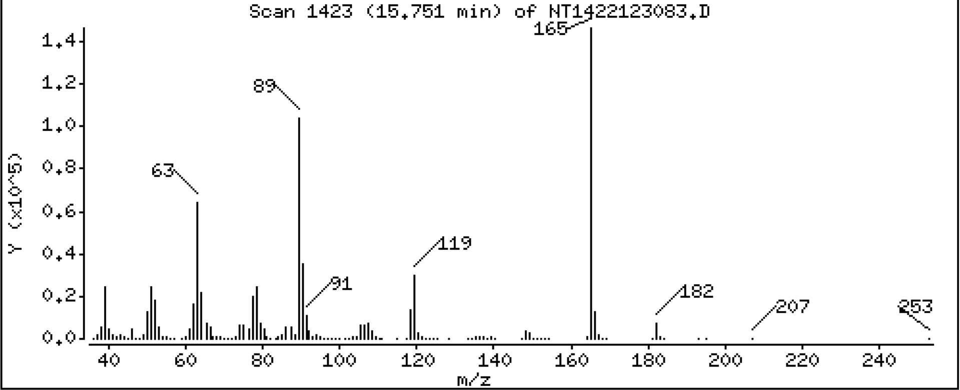
Sample Info: SKL0355-CCV1

Operator: VTS

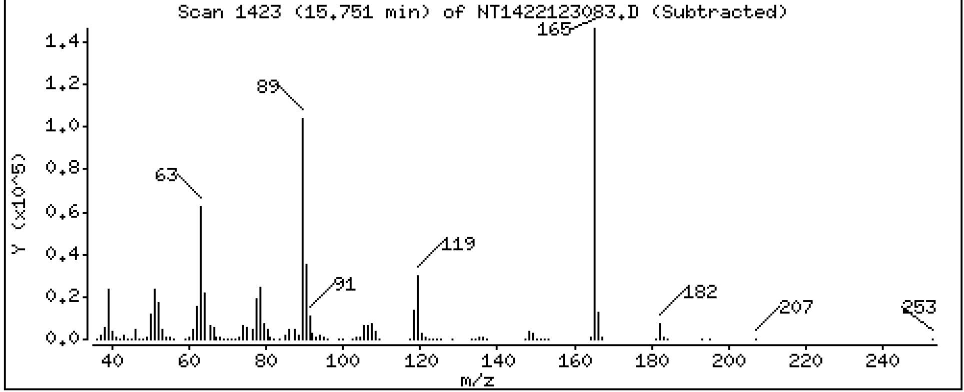
Column phase: ZB-5msi Column diameter: 0.25

48 2,4-Dinitrotoluene Concentration: 9.872 ug/mL

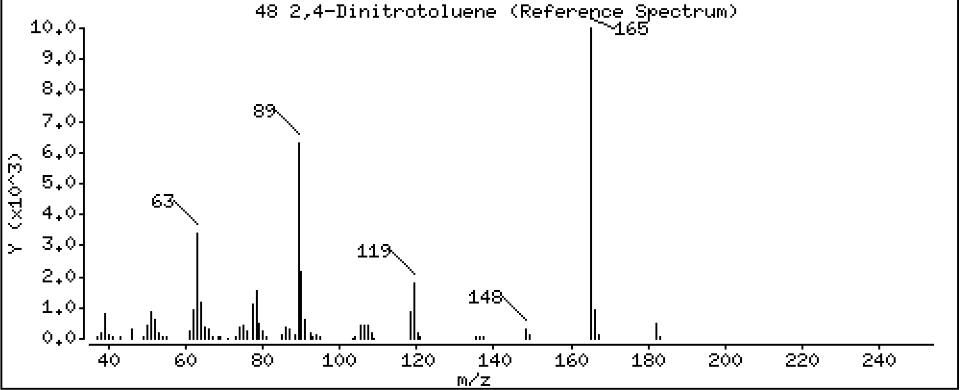
Scan 1423 (15.751 min) of NT1422123083.D



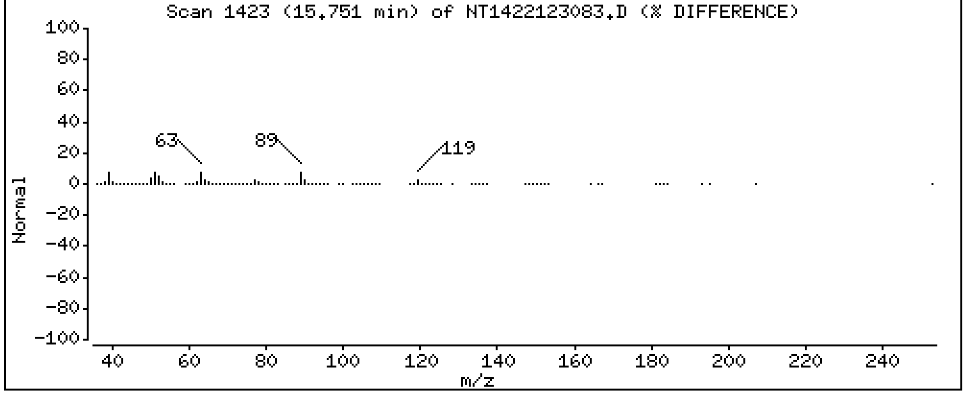
Scan 1423 (15.751 min) of NT1422123083.D (Subtracted)



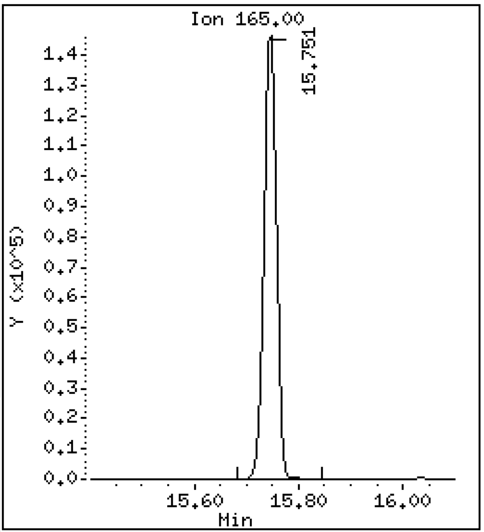
48 2,4-Dinitrotoluene (Reference Spectrum)



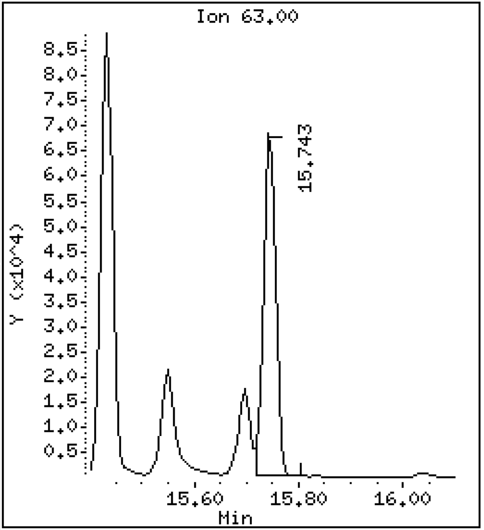
Scan 1423 (15.751 min) of NT1422123083.D (% DIFFERENCE)



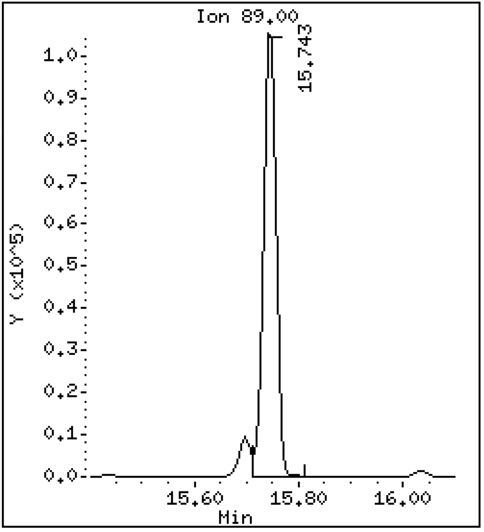
Ion 165.00



Ion 63.00



Ion 89.00



Data File: \\target\share\chem3\nt14.i\20221230C.b\NT1422123083.D

Date : 01-JAN-2023 09:41

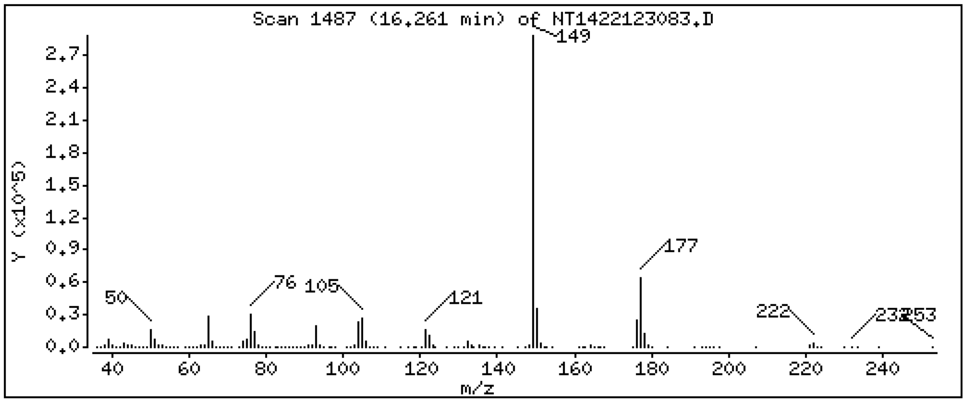
Client ID: Instrument: nt14.i

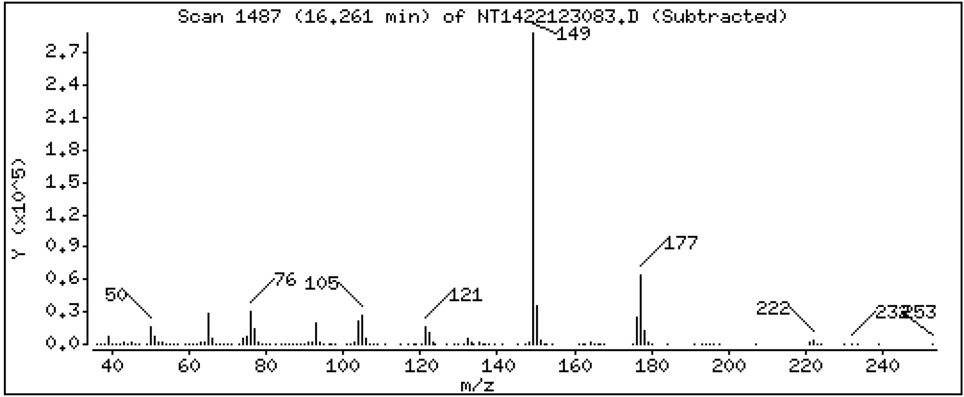
Sample Info: SKL0355-CCV1

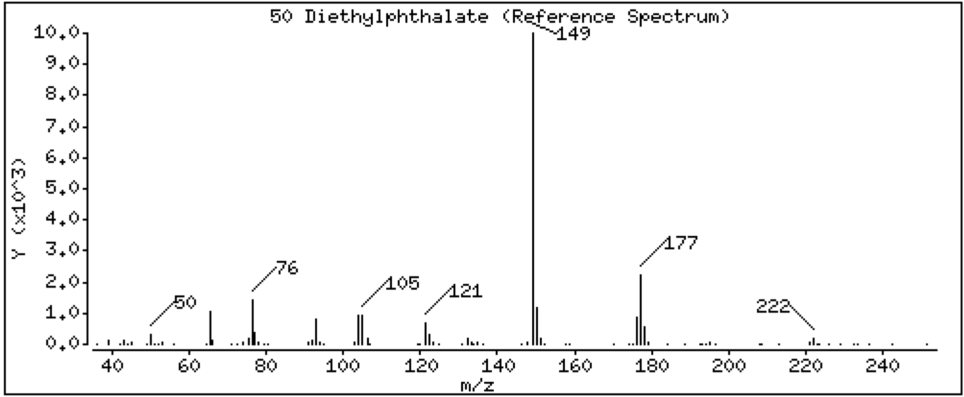
Operator: VTS

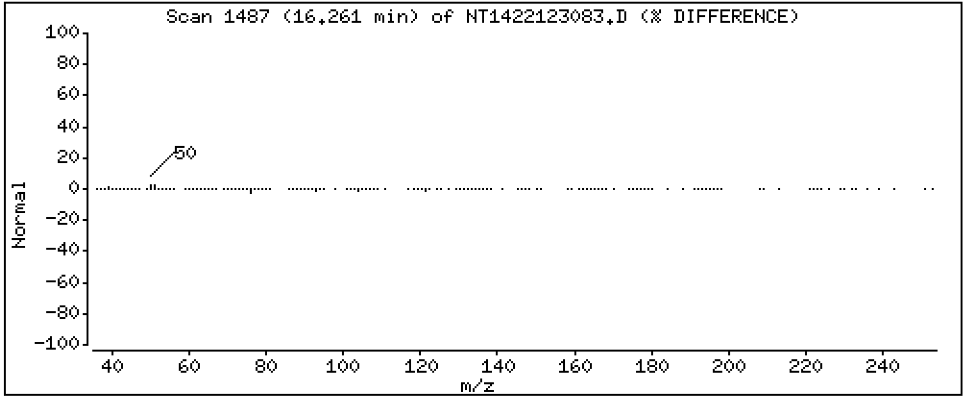
Column phase: ZB-5msi Column diameter: 0.25

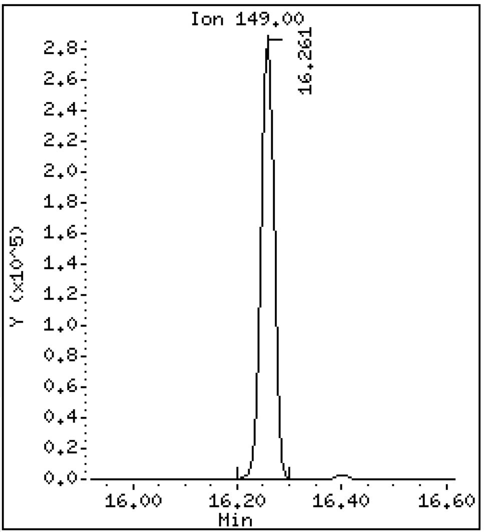
50 Diethylphthalate Concentration: 5.374 ug/mL

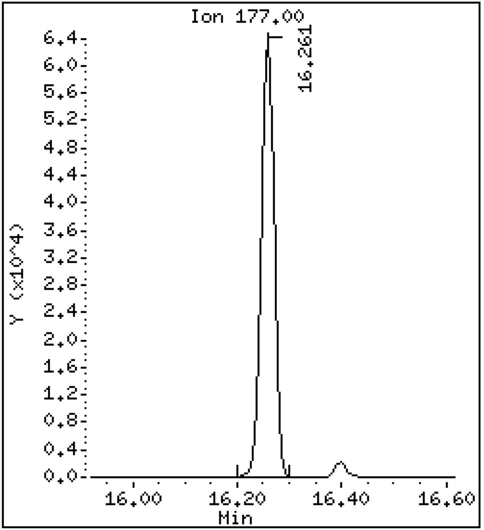


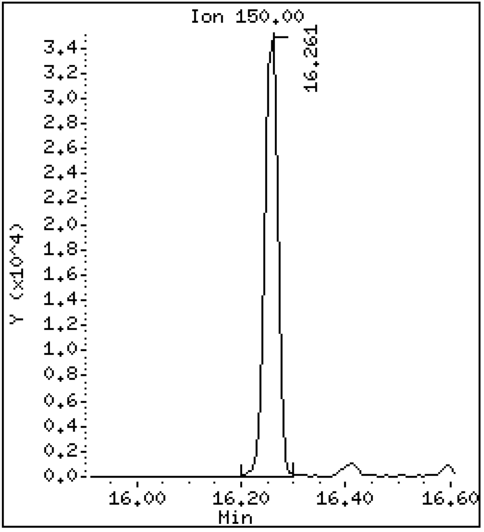












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Date : 01-JAN-2023 09:41

Client ID:

Instrument: nt14.i

Sample Info: SKL0355-CCV1

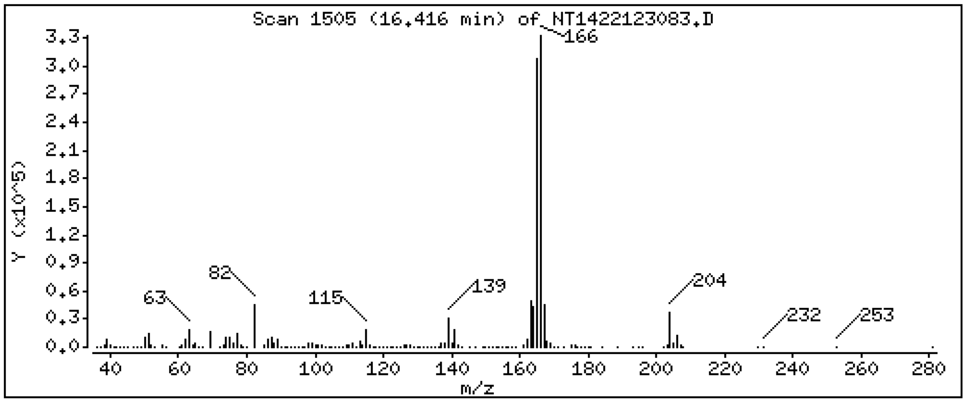
Operator: VTS

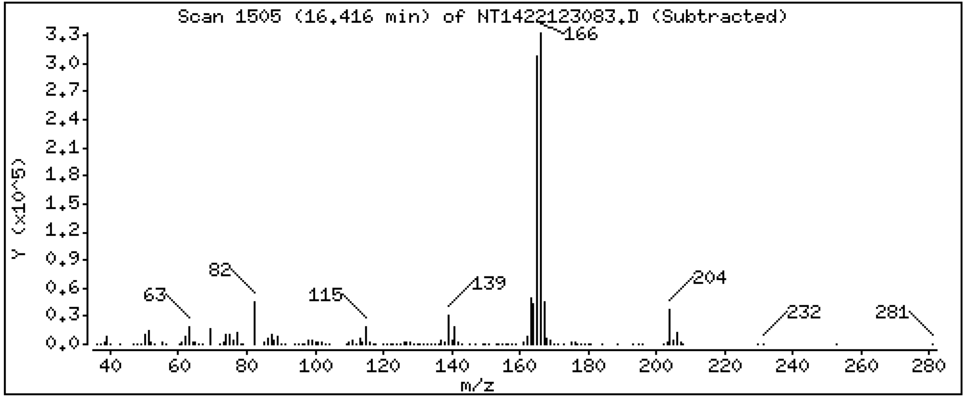
Column phase: ZB-5msi

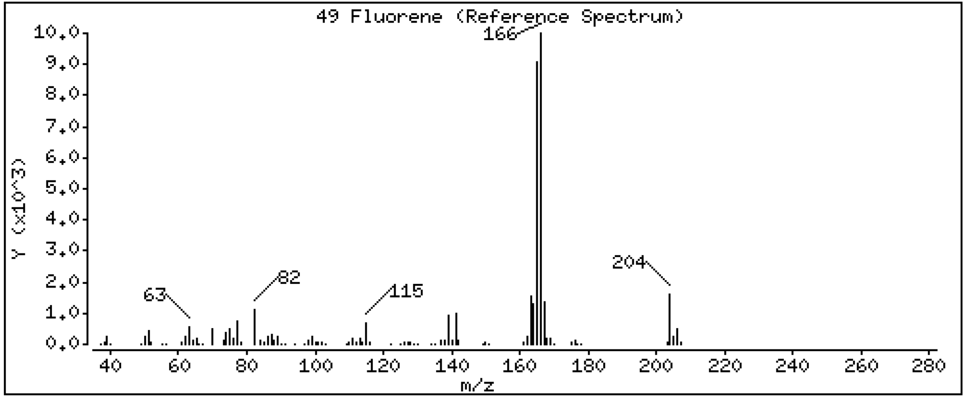
Column diameter: 0.25

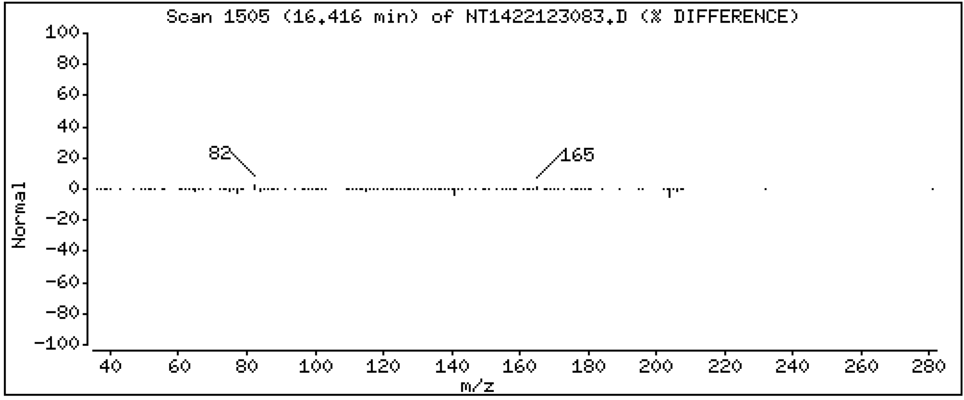
49 Fluorene

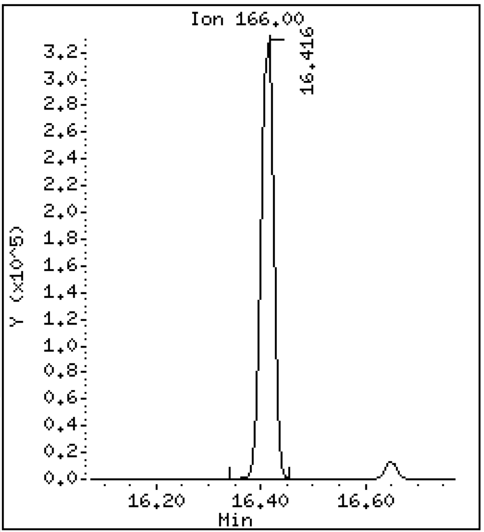
Concentration: 5.123 ug/mL

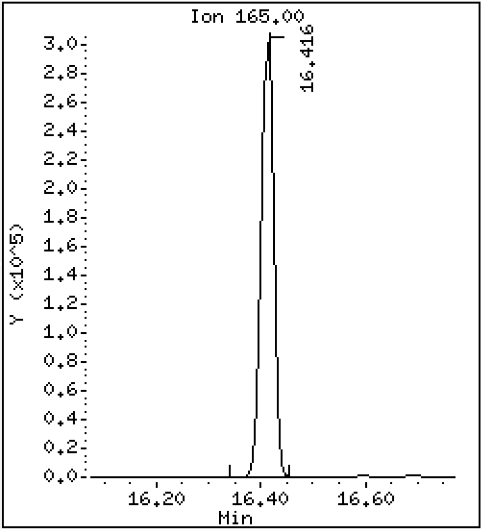


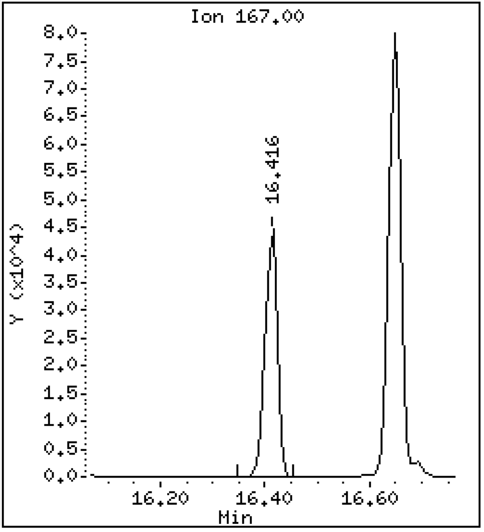












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Date : 01-JAN-2023 09:41

Client ID:

Instrument: nt14.i

Sample Info: SKL0355-CCV1

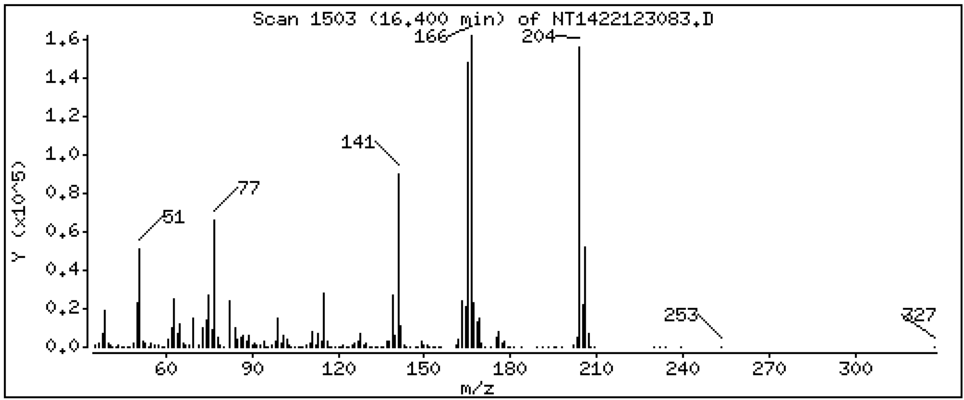
Operator: VTS

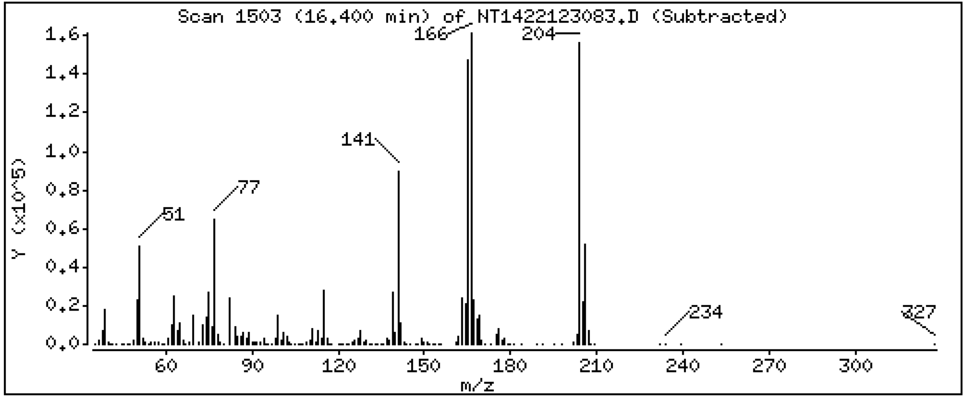
Column phase: ZB-5msi

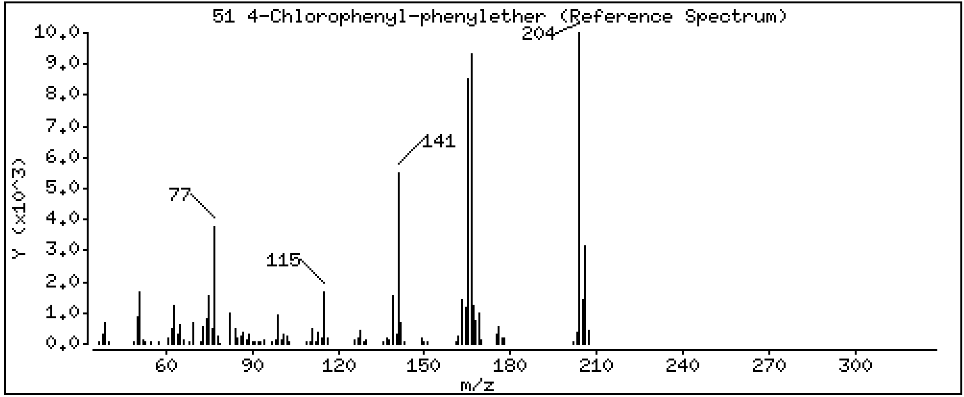
Column diameter: 0.25

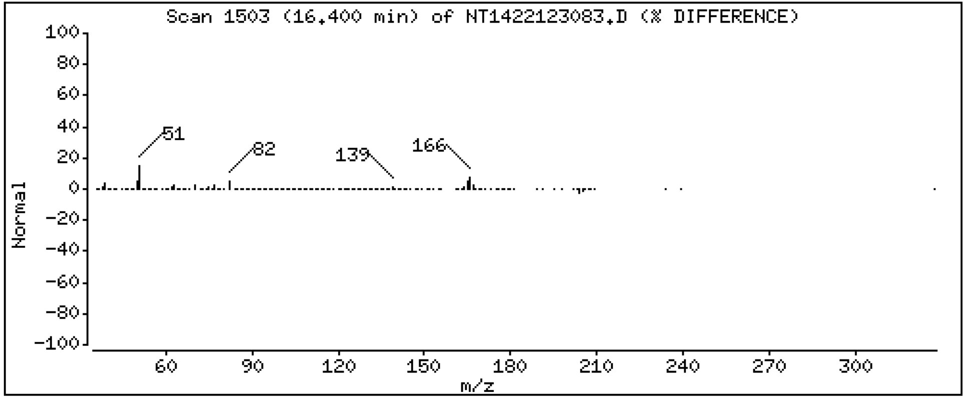
51 4-Chlorophenyl-phenylether

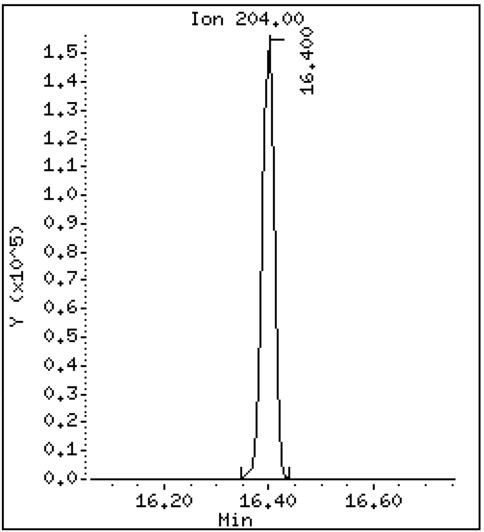
Concentration: 4.919 ug/mL

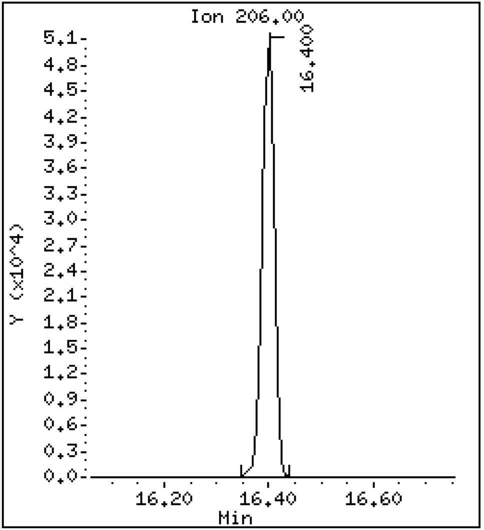


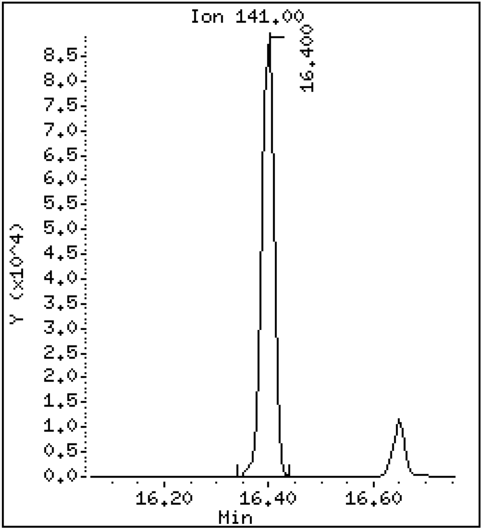












Date : 01-JAN-2023 09:41

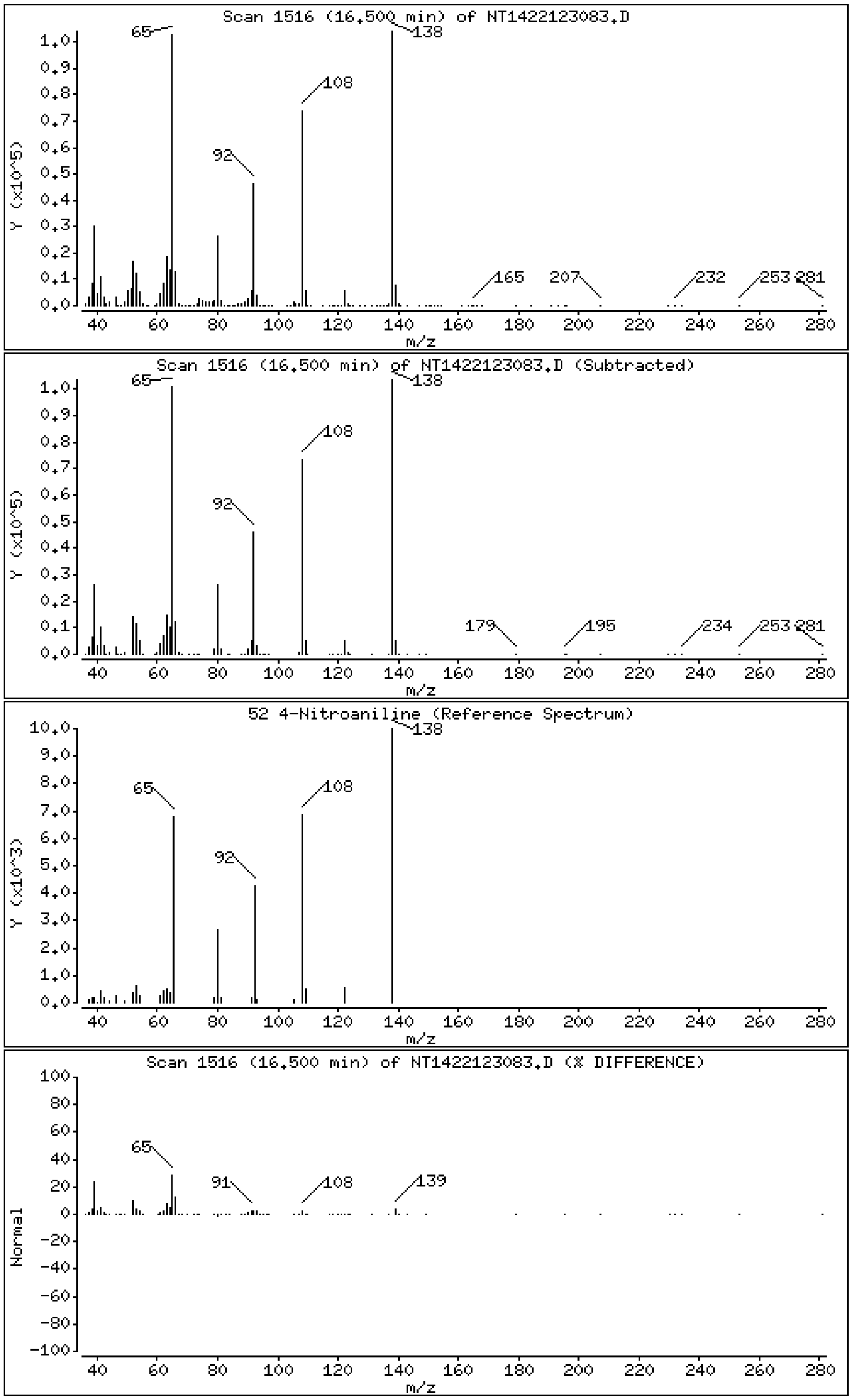
Client ID: Instrument: nt14.i

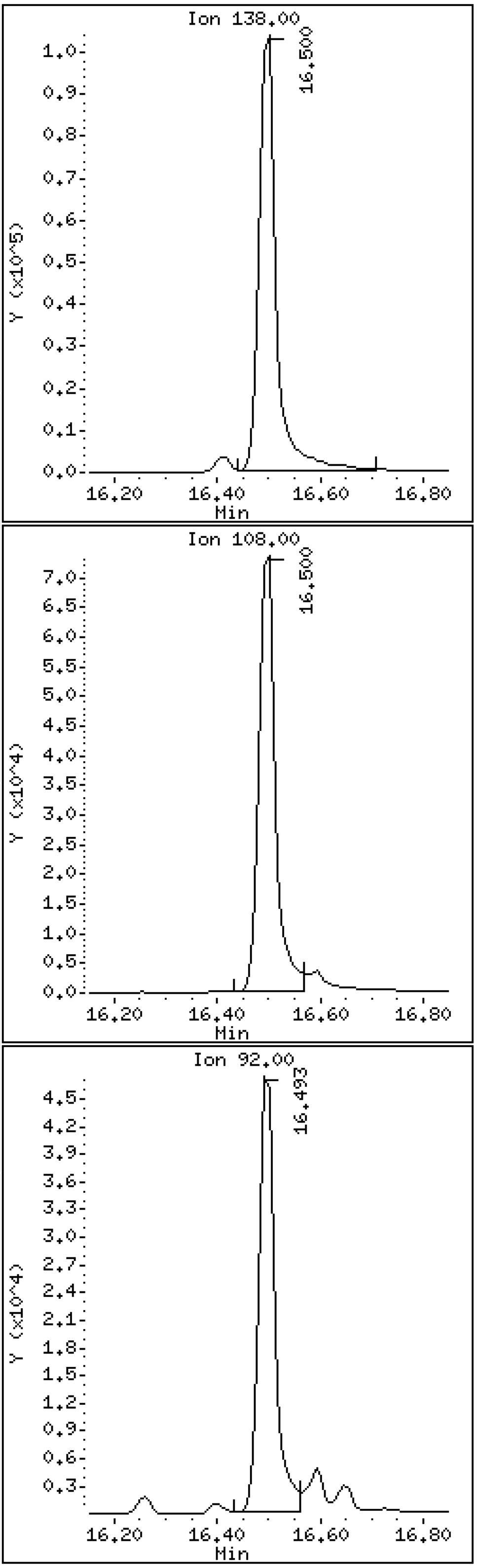
Sample Info: SKL0355-CCV1

Operator: VTS

Column phase: ZB-5msi Column diameter: 0.25

52 4-Nitroaniline Concentration: 9.003 ug/mL





Data File: \\target\share\chem3\nt14.i\20221230C.b\NT1422123083.D

Date : 01-JAN-2023 09:41

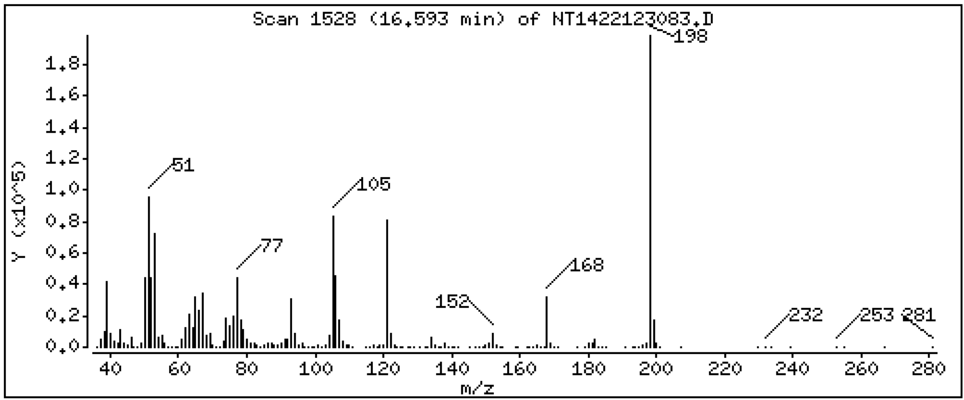
Client ID: Instrument: nt14.i

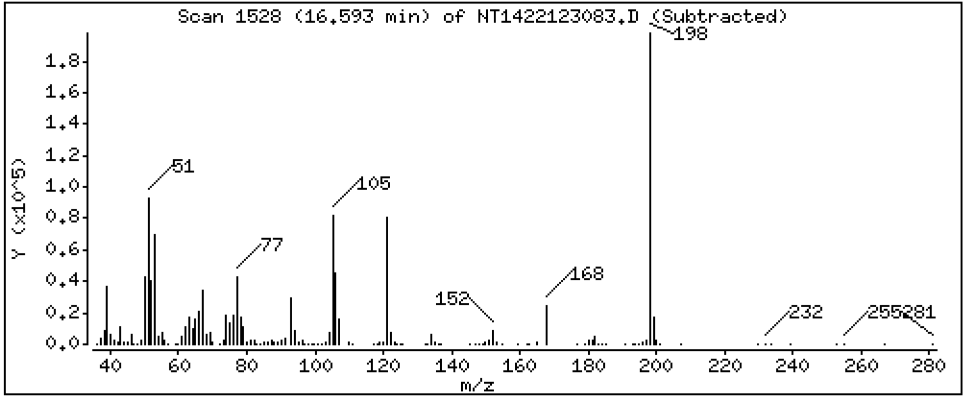
Sample Info: SKL0355-CCV1

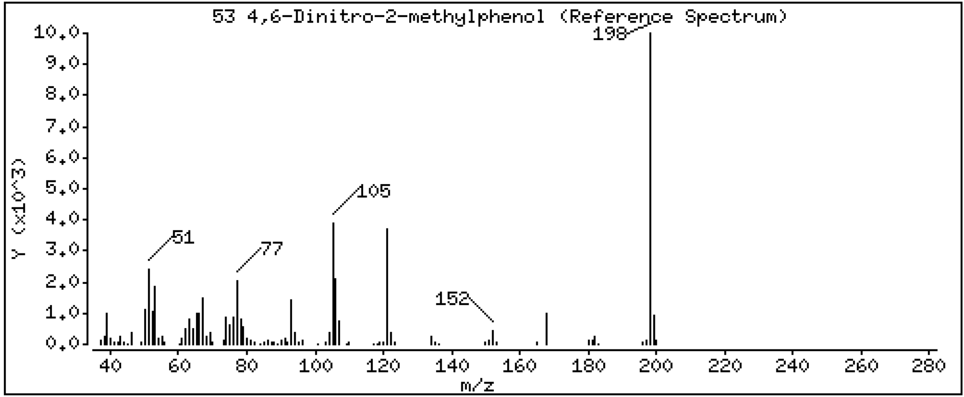
Operator: VTS

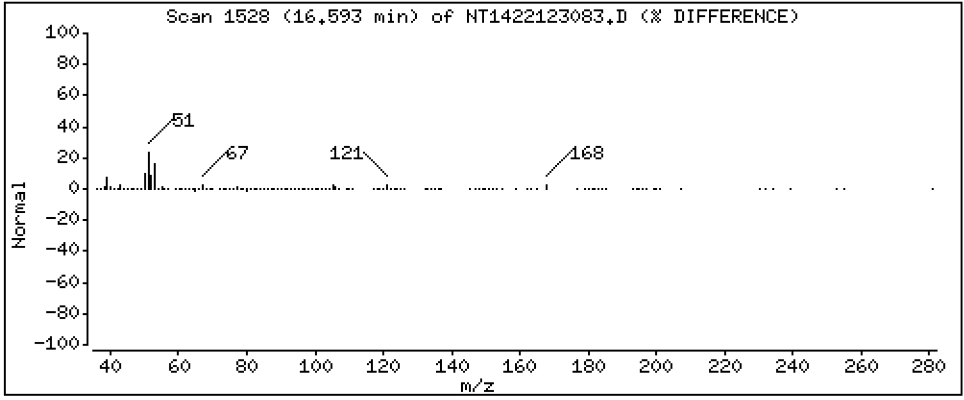
Column phase: ZB-5msi Column diameter: 0.25

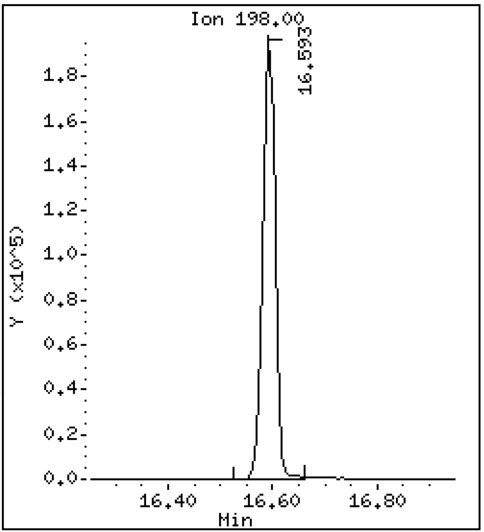
53 4,6-Dinitro-2-methylphenol Concentration: 16.46 ug/mL

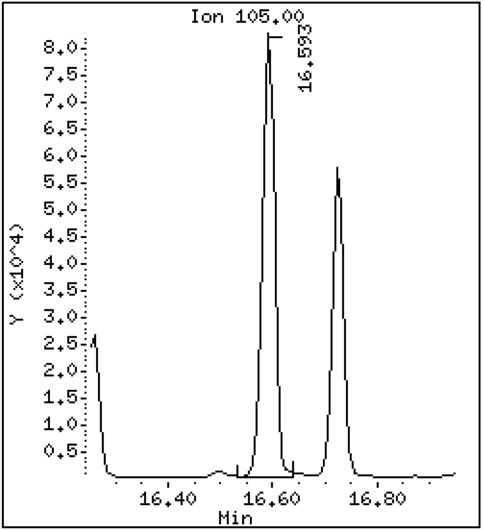

Scan 1528 (16.593 min) of NT1422123083.D


Scan 1528 (16.593 min) of NT1422123083.D (Subtracted)


53 4,6-Dinitro-2-methylphenol (Reference Spectrum)


Scan 1528 (16.593 min) of NT1422123083.D (% DIFFERENCE)


Ion 198.00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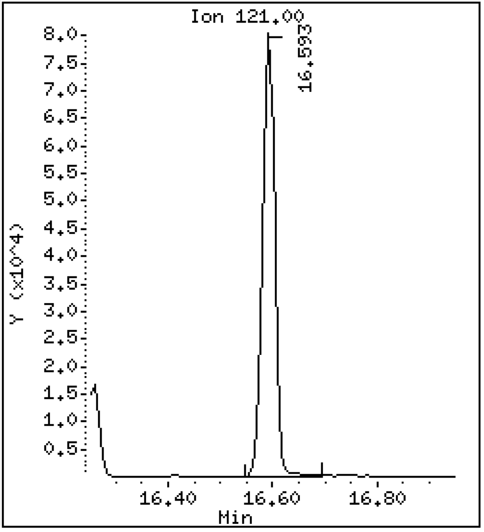

Ion 121.00

Data File: \\target\share\chem3\nt14.i\20221230C.b\NT1422123083.D

Date : 01-JAN-2023 09:41

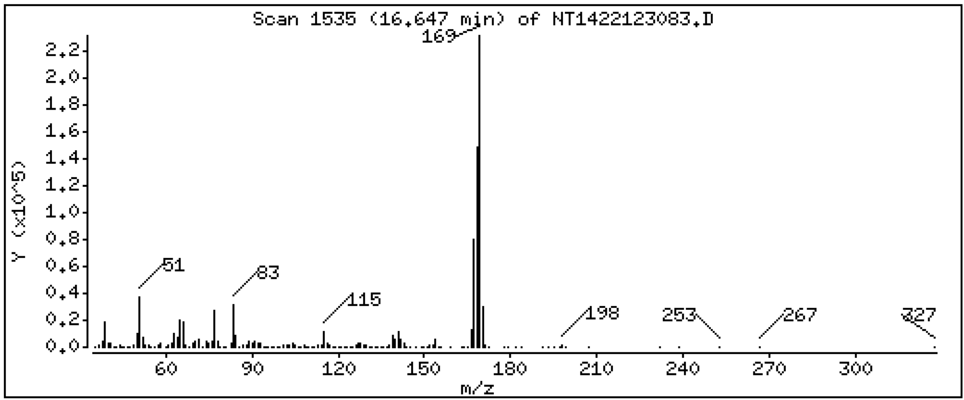
Client ID: Instrument: nt14.i

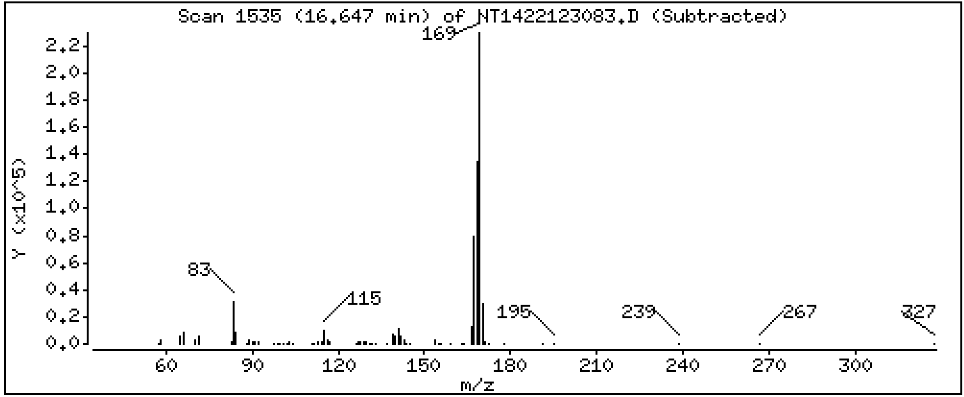
Sample Info: SKL0355-CCV1

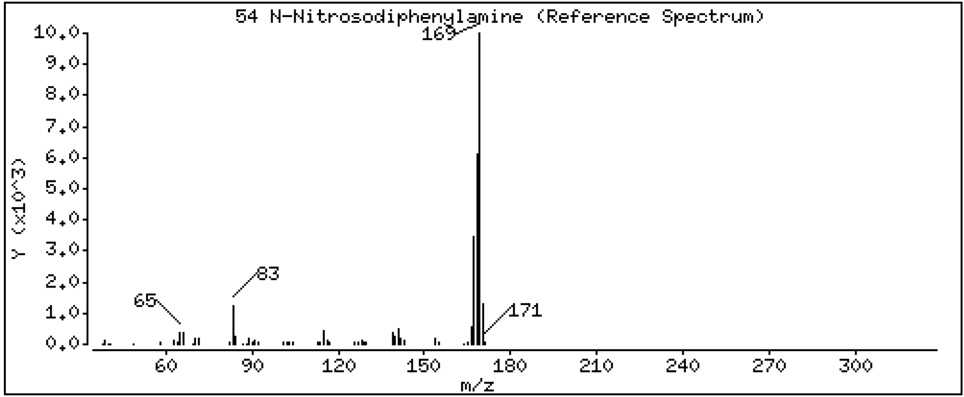
Operator: VTS

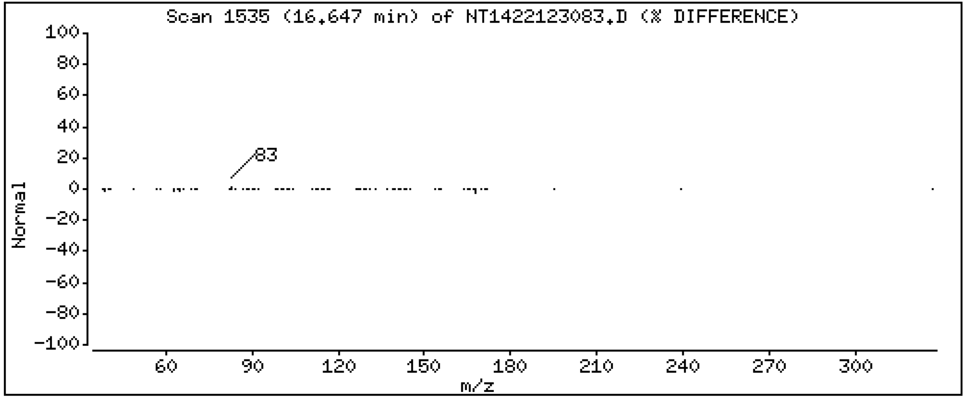
Column phase: ZB-5msi Column diameter: 0.25

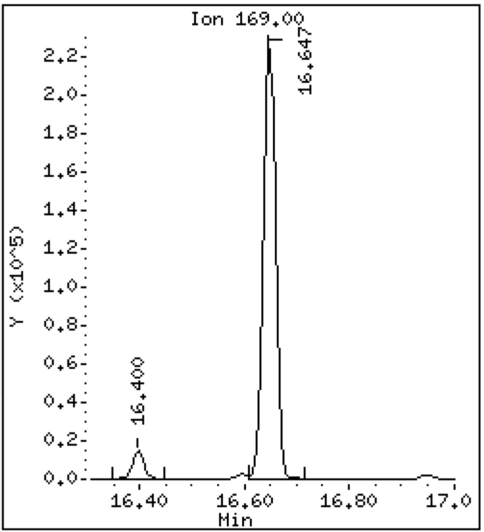
54 N-Nitrosodiphenylamine Concentration: 4.800 ug/mL

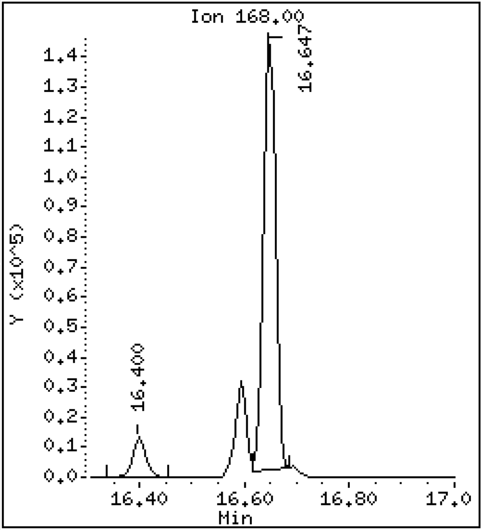


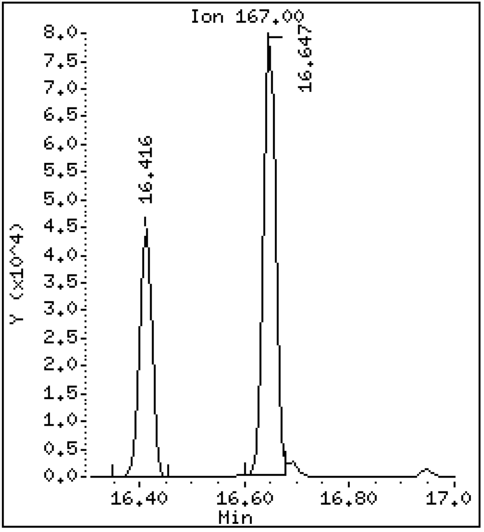












Data File: \\target\share\chem3\nt14.i\20221230C.b\NT1422123083.D

Date : 01-JAN-2023 09:41

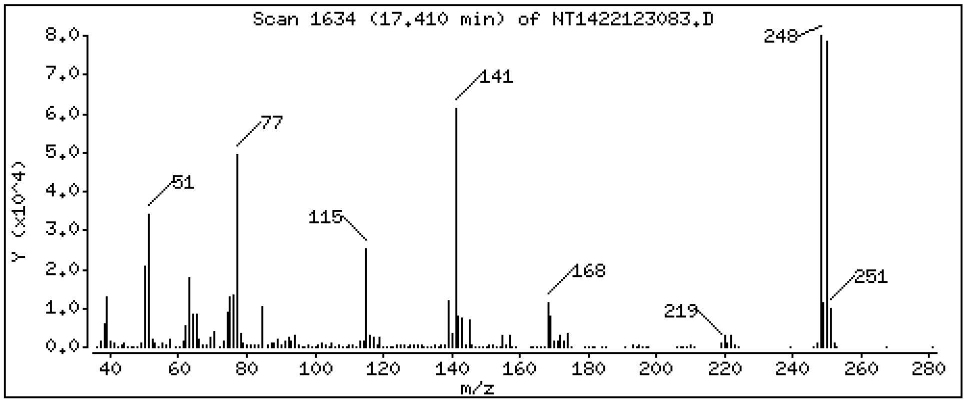
Client ID: Instrument: nt14.i

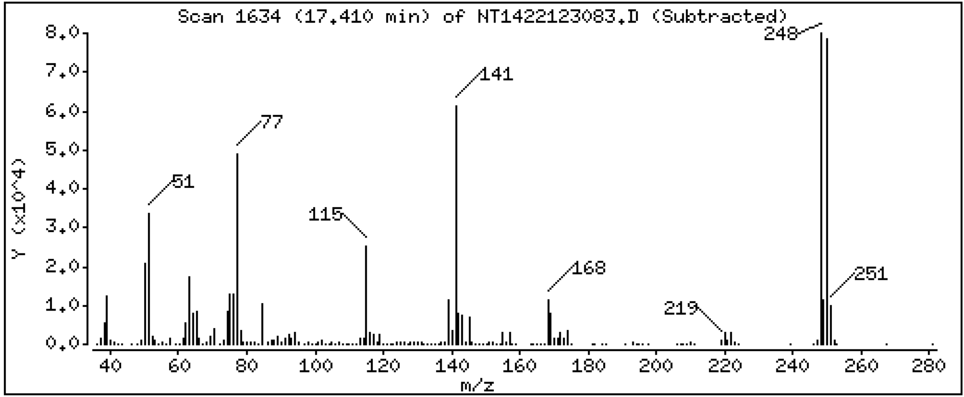
Sample Info: SKL0355-CCV1

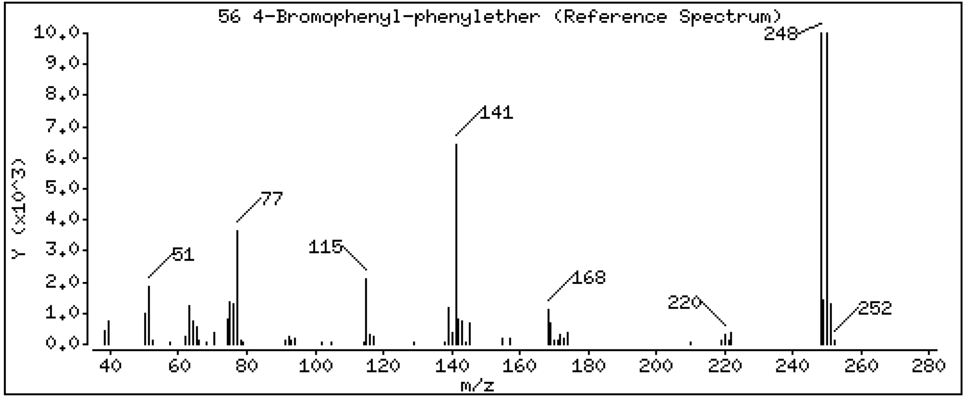
Operator: VTS

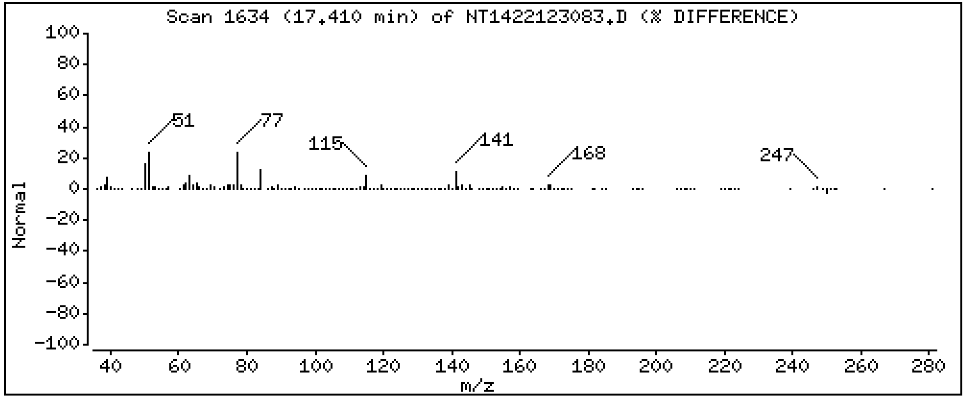
Column phase: ZB-5msi Column diameter: 0.25

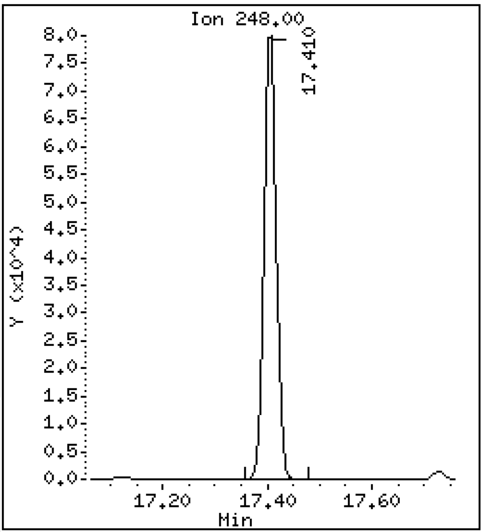
56 4-Bromophenyl-phenylether Concentration: 4.724 ug/mL

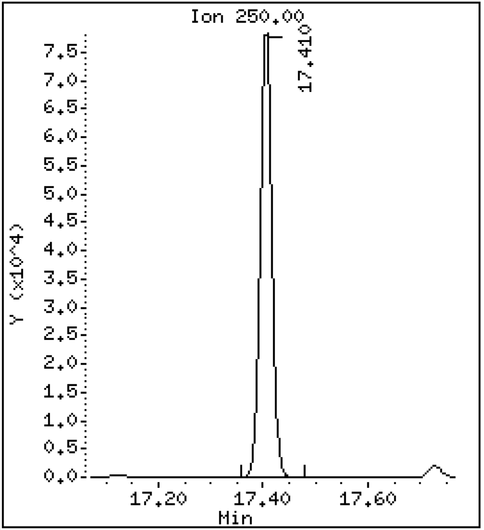


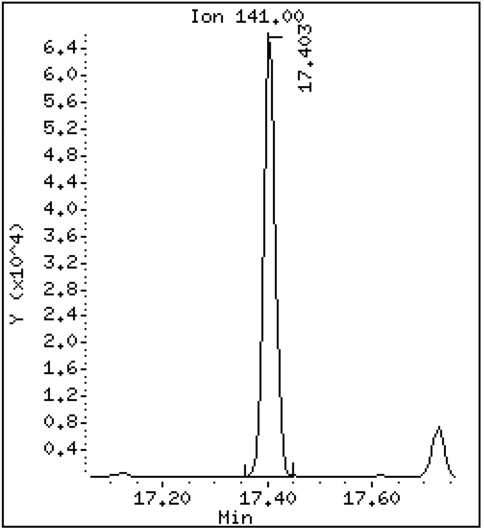












Data File: \\target\share\chem3\nt14.i\20221230C.b\NT1422123083.D

Date : 01-JAN-2023 09:41

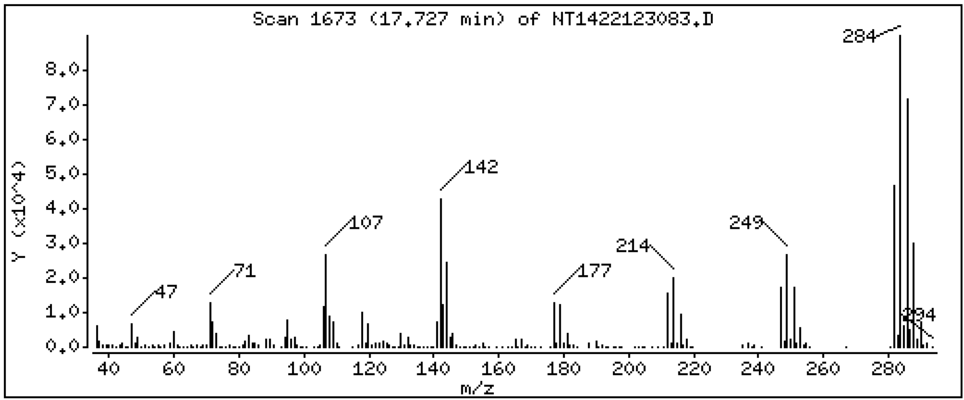
Client ID: Instrument: nt14.i

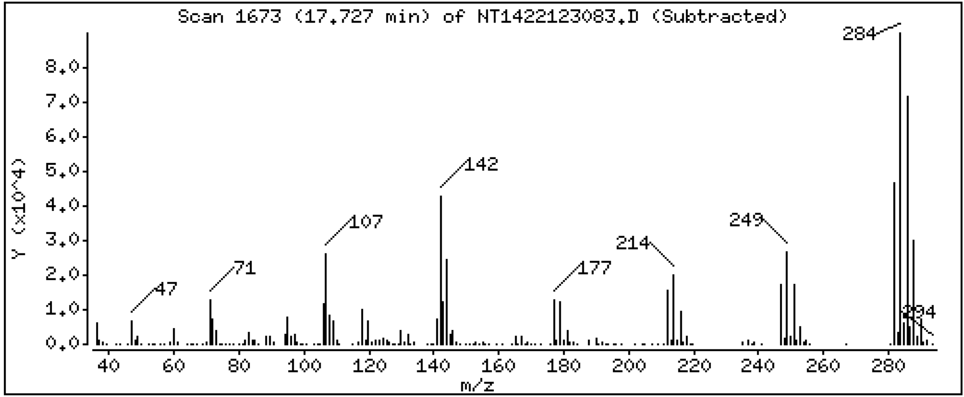
Sample Info: SKL0355-CCV1

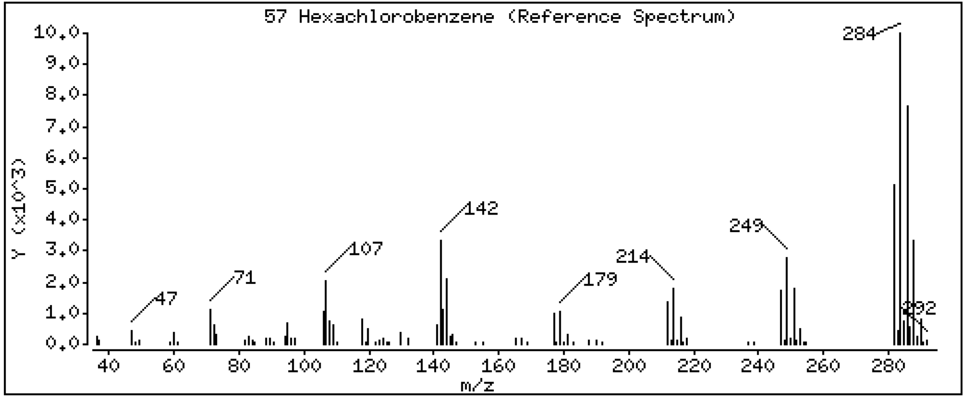
Operator: VTS

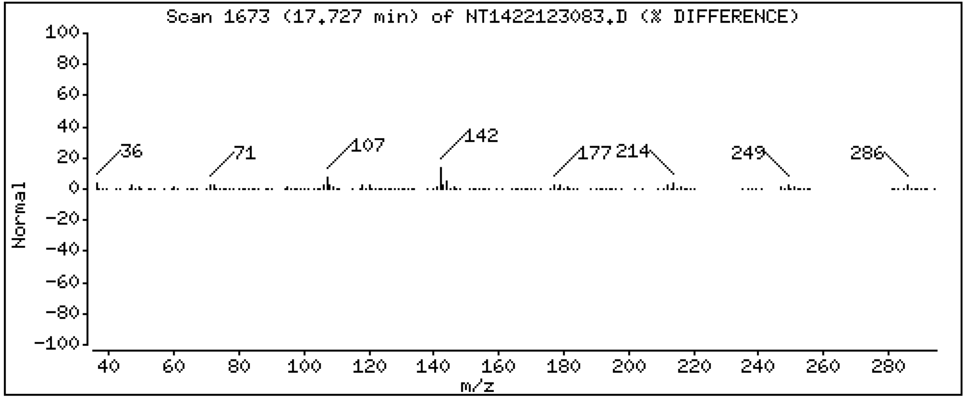
Column phase: ZB-5msi Column diameter: 0.25

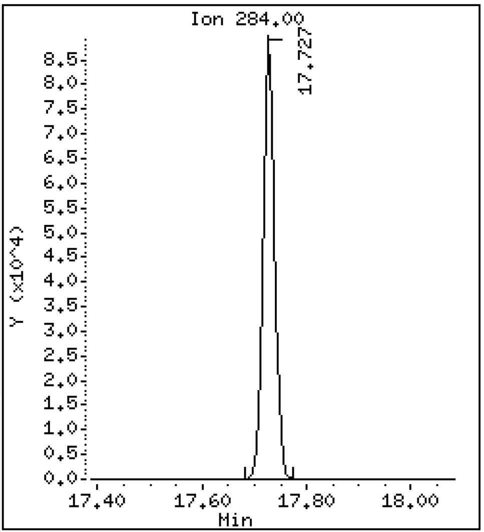
57 Hexachlorobenzene Concentration: 4.553 ug/mL

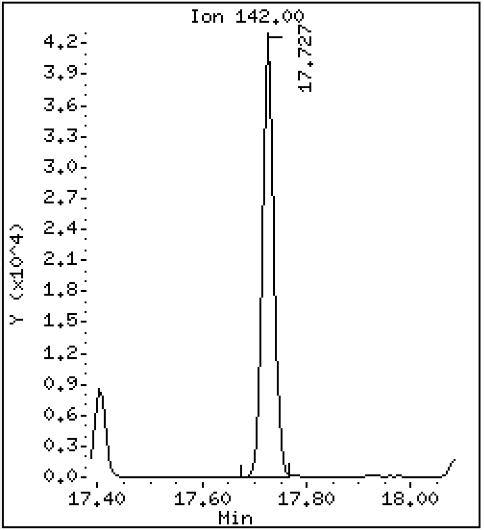

Scan 1673 (17.727 min) of NT1422123083.D

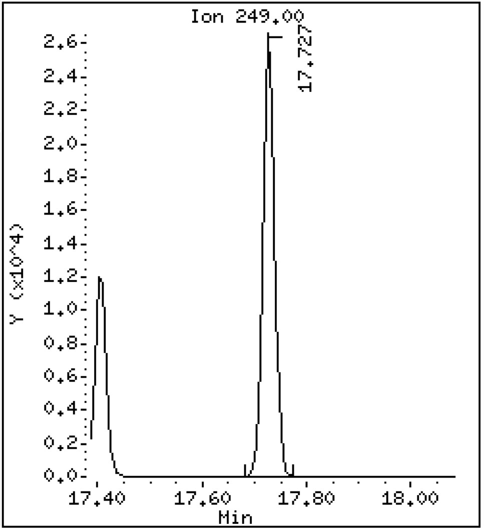

Scan 1673 (17.727 min) of NT1422123083.D (Subtracted)


57 Hexachlorobenzene (Reference Spectrum)


Scan 1673 (17.727 min) of NT1422123083.D (% DIFFERENCE)


Ion 284.00


Ion 142.00


Ion 249.00

Data File: \\target\share\chem3\nt14.i\20221230C.b\NT1422123083.D

Date : 01-JAN-2023 09:41

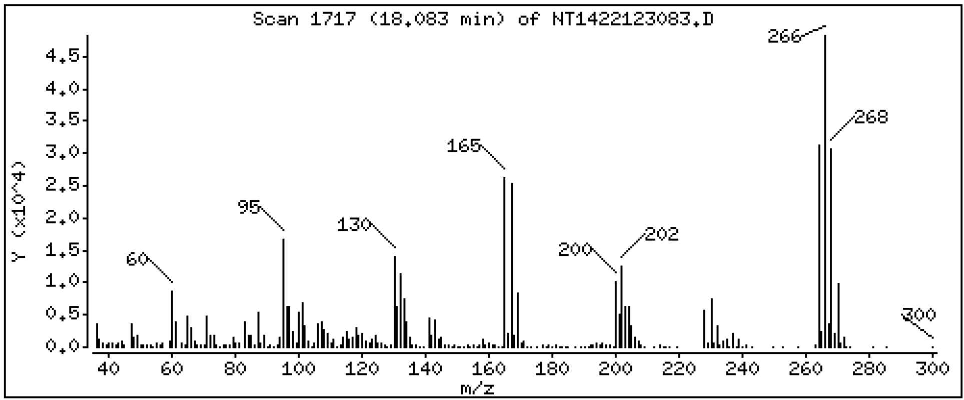
Client ID: Instrument: nt14.i

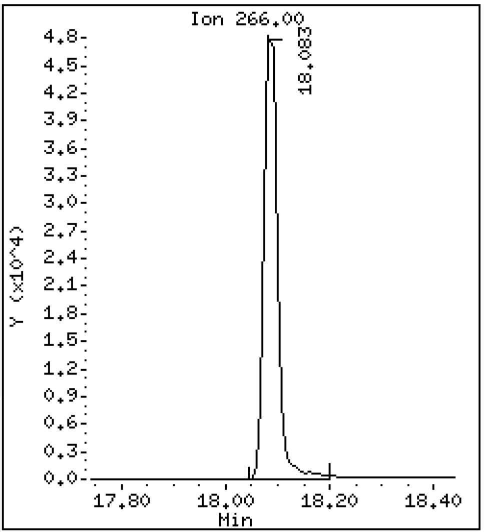
Sample Info: SKL0355-CCV1

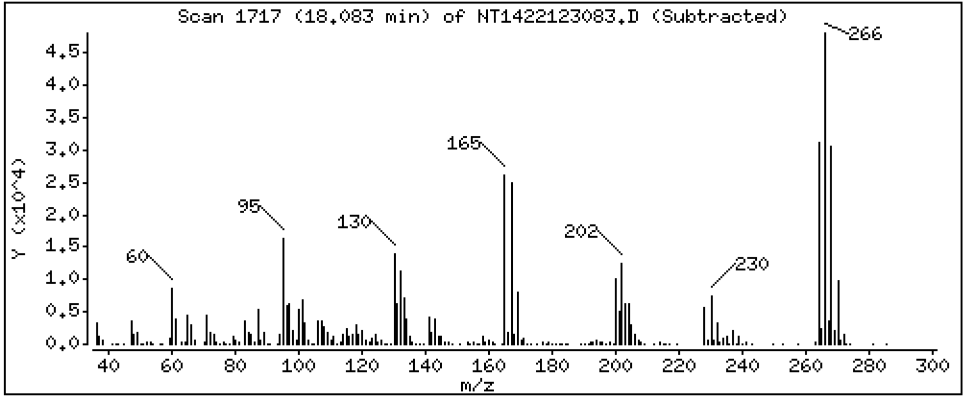
Operator: VTS

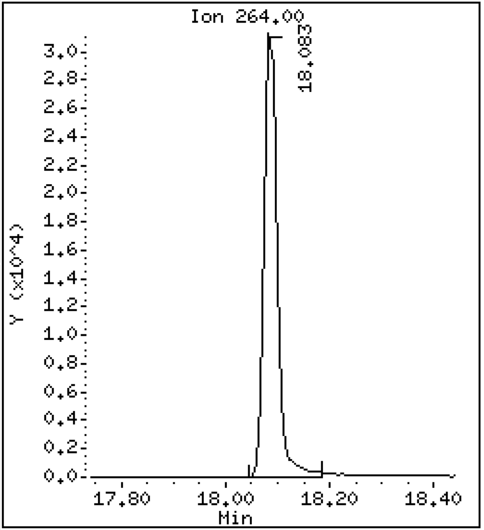
Column phase: ZB-5msi Column diameter: 0.25

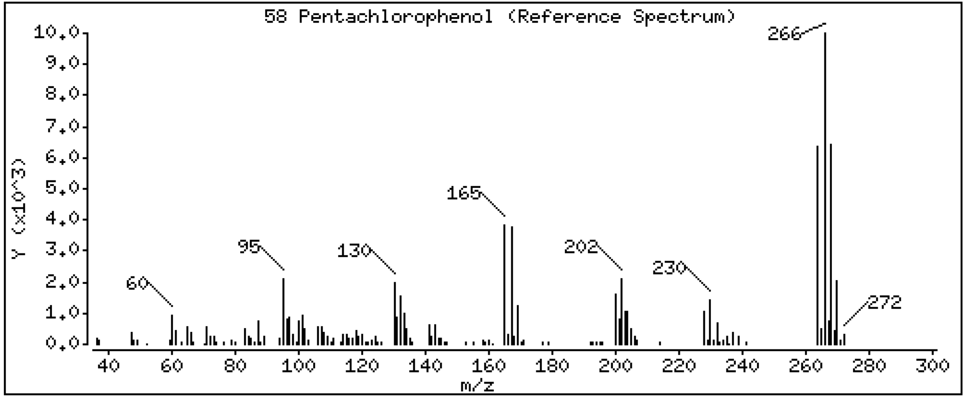
58 Pentachlorophenol Concentration: 6.130 ug/mL

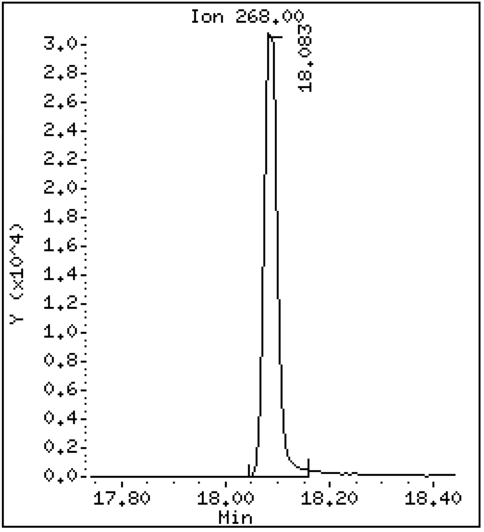


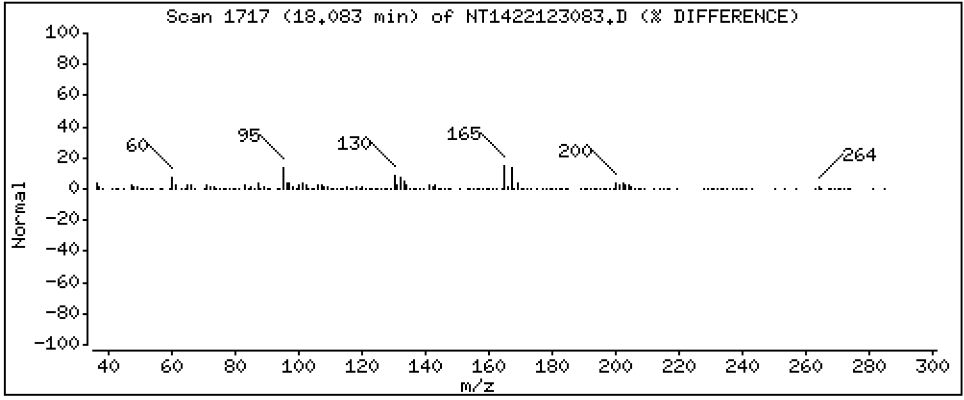












Date : 01-JAN-2023 09:41

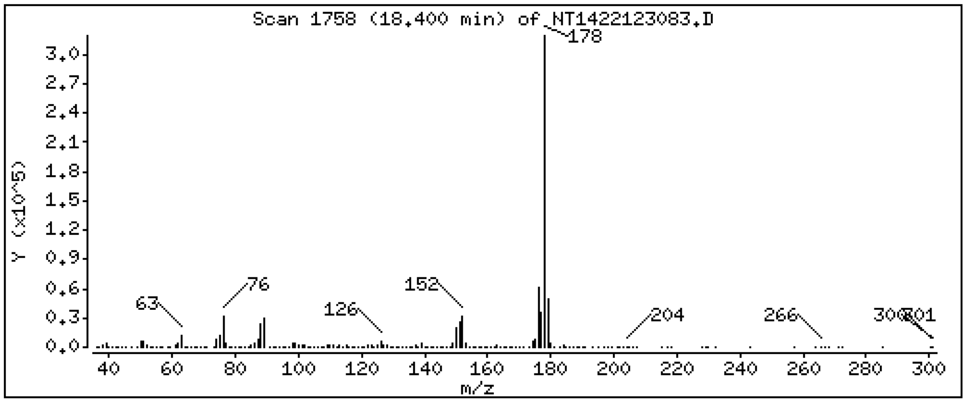
Client ID: Instrument: nt14.i

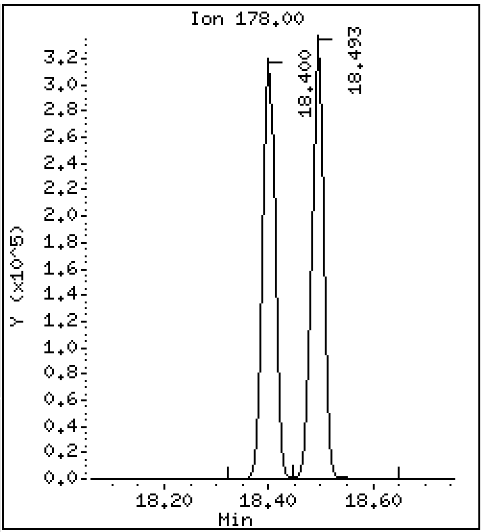
Sample Info: SKL0355-CCV1

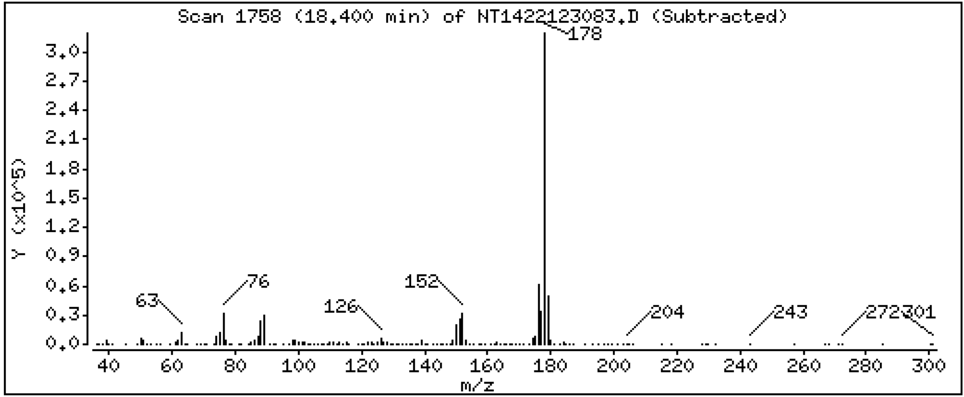
Operator: VTS

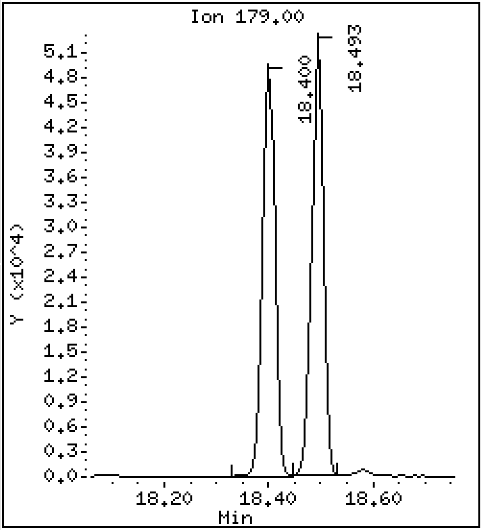
Column phase: ZB-5msi Column diameter: 0.25

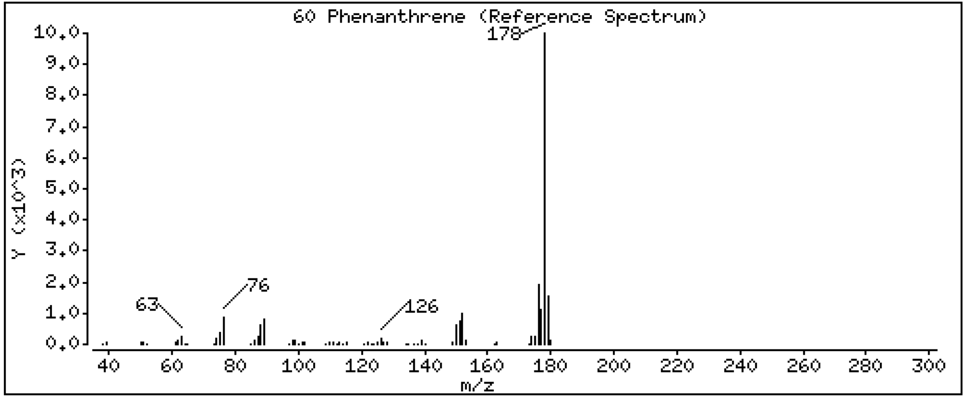
60 Phenanthrene Concentration: 4.508 ug/mL

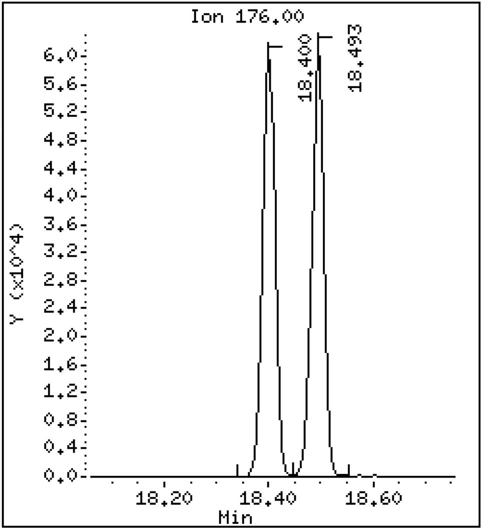


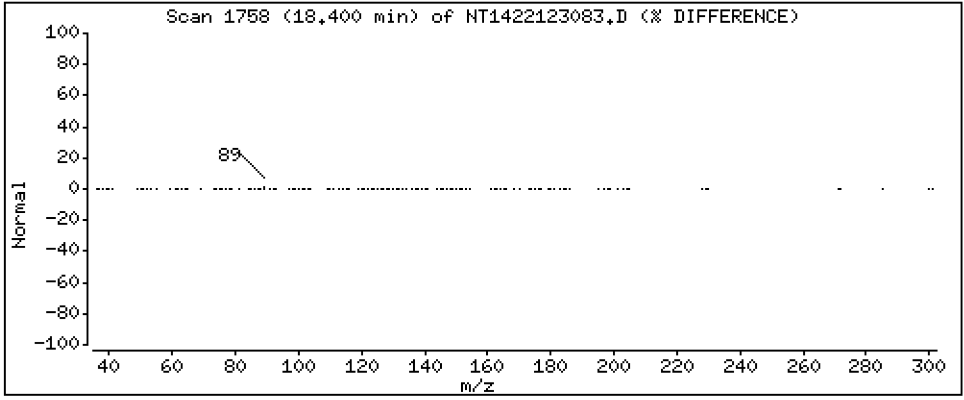












Data File: \\target\share\chem3\nt14.i\20221230C.b\NT1422123083.D

Date : 01-JAN-2023 09:41

Client ID:

Instrument: nt14.i

Sample Info: SKL0355-CCV1

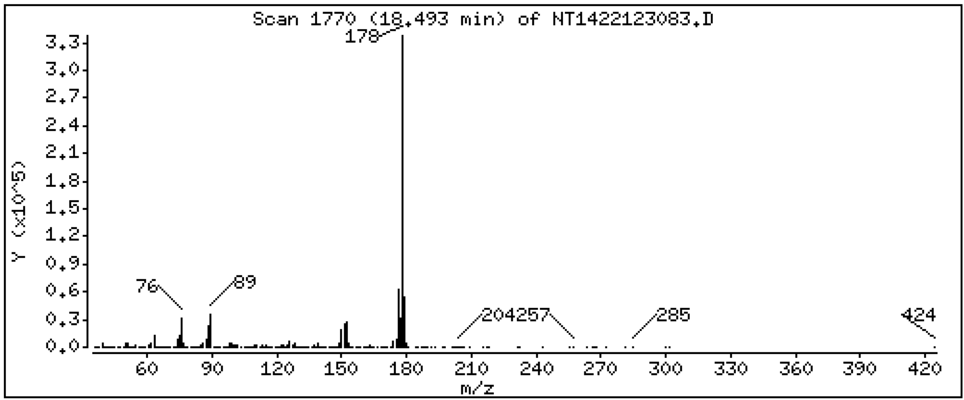
Operator: VTS

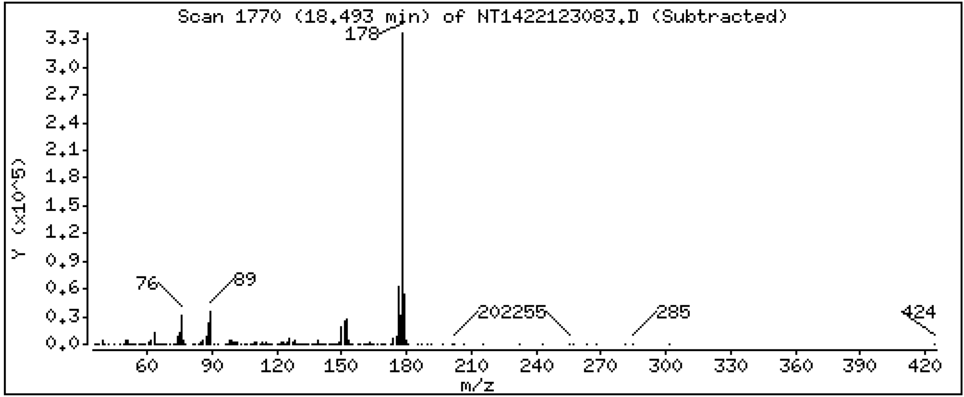
Column phase: ZB-5msi

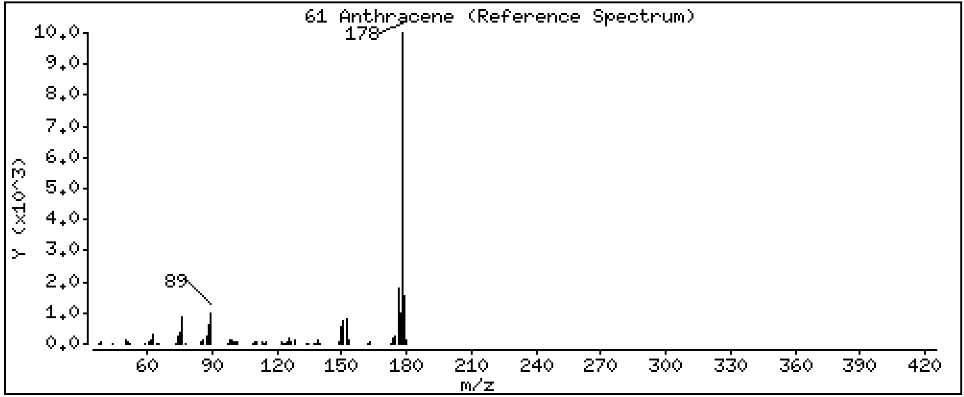
Column diameter: 0.25

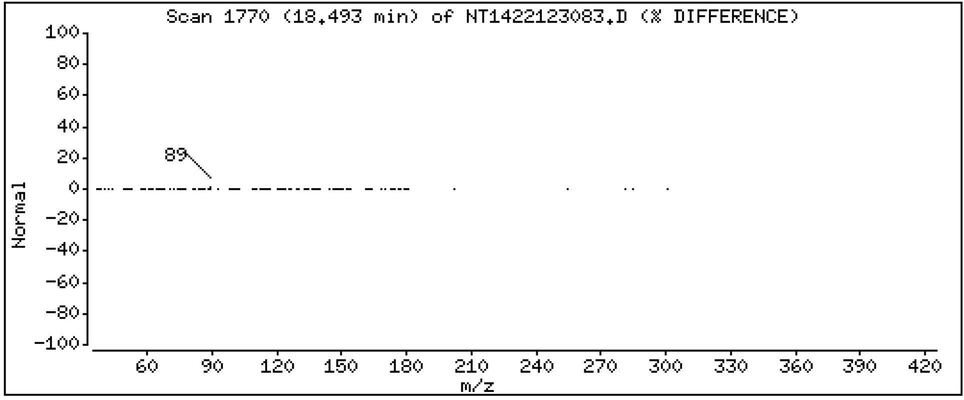
61 Anthracene

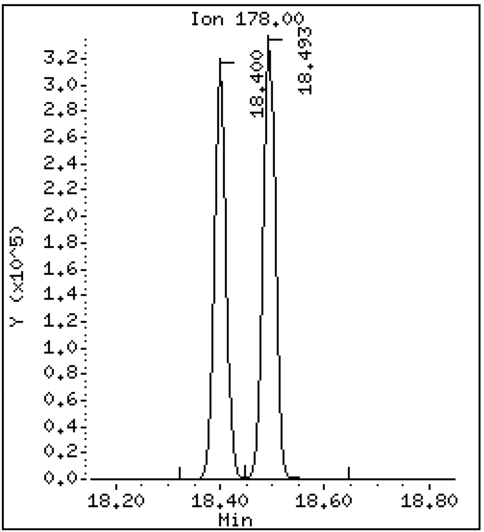
Concentration: 4.908 ug/mL

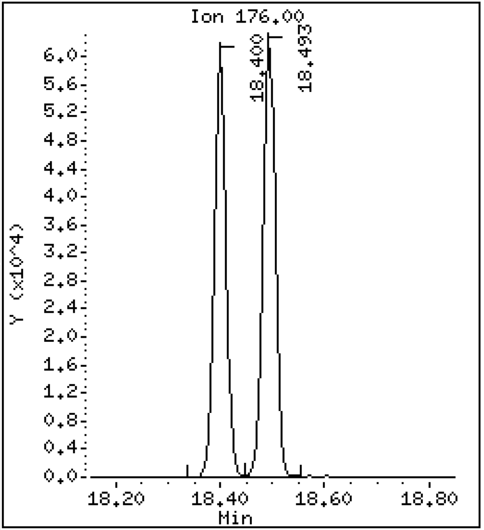

Scan 1770 (18.493 min) of NT1422123083.D


Scan 1770 (18.493 min) of NT1422123083.D (Subtracted)


61 Anthracene (Reference Spectrum)


Scan 1770 (18.493 min) of NT1422123083.D (% DIFFERENCE)


Ion 178.00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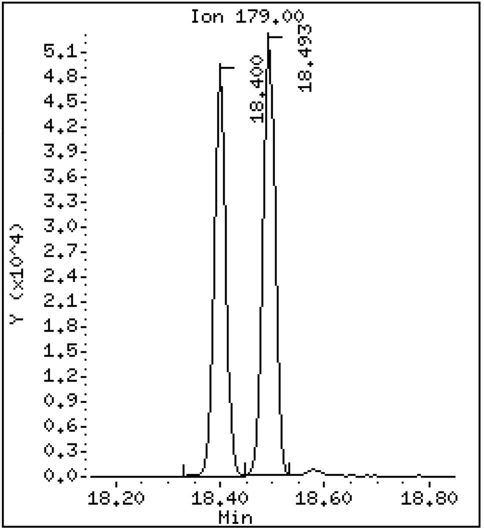

Ion 179.00

Data File: \\target\share\chem3\nt14.i\20221230C.b\NT1422123083.D

Date : 01-JAN-2023 09:41

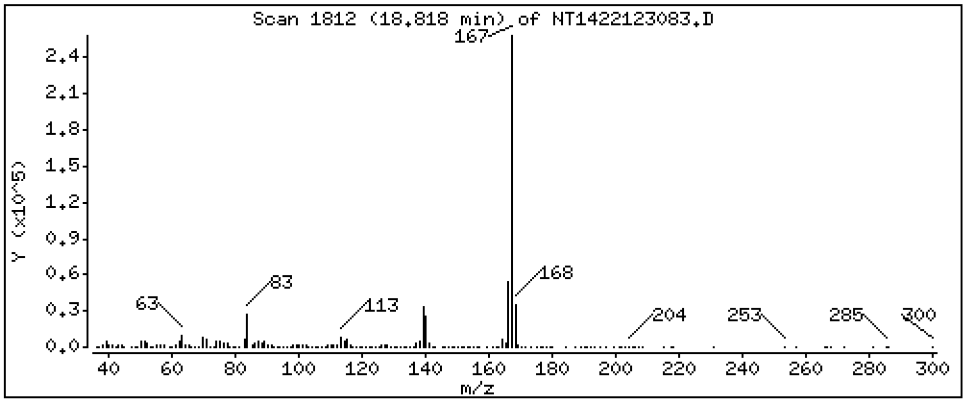
Client ID: Instrument: nt14.i

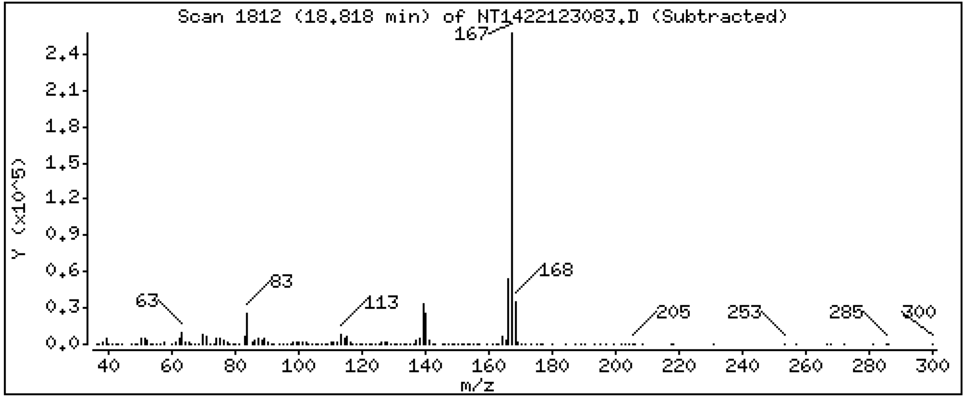
Sample Info: SKL0355-CCV1

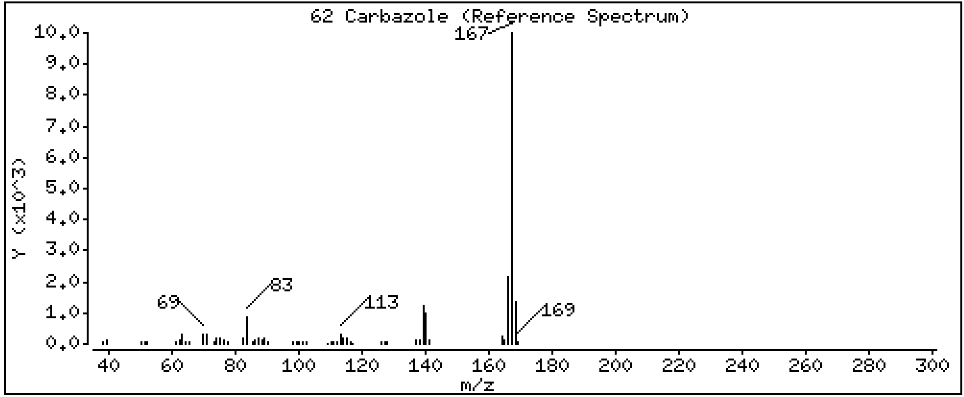
Operator: VTS

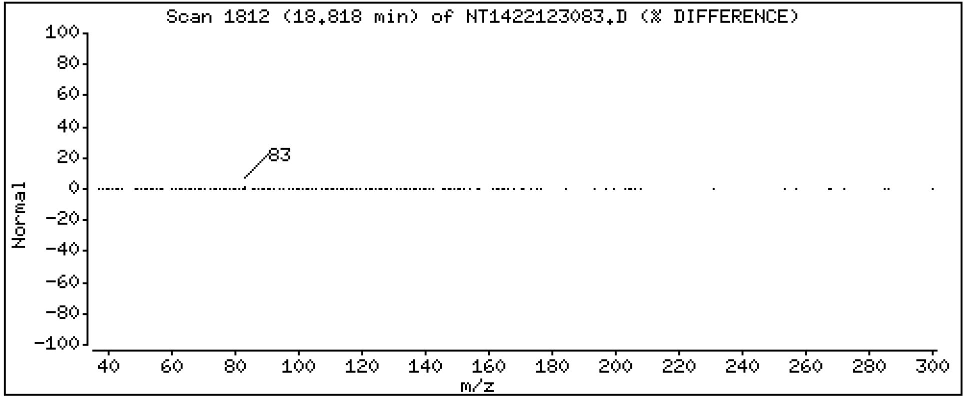
Column phase: ZB-5msi Column diameter: 0.25

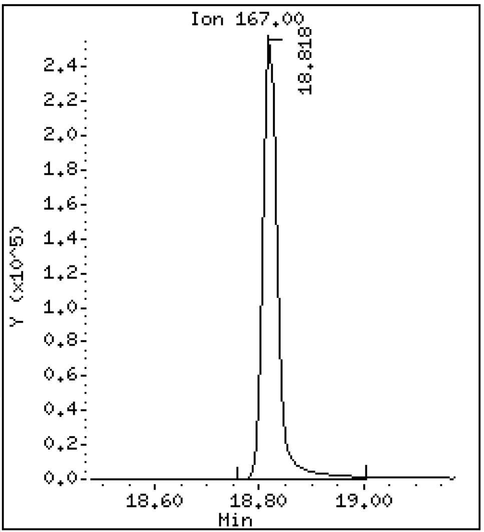
62 Carbazole Concentration: 4.745 ug/mL


Scan 1812 (18.818 min) of NT1422123083.D


Scan 1812 (18.818 min) of NT1422123083.D (Subtracted)


62 Carbazole (Reference Spectrum)


Scan 1812 (18.818 min) of NT1422123083.D (% DIFFERENCE)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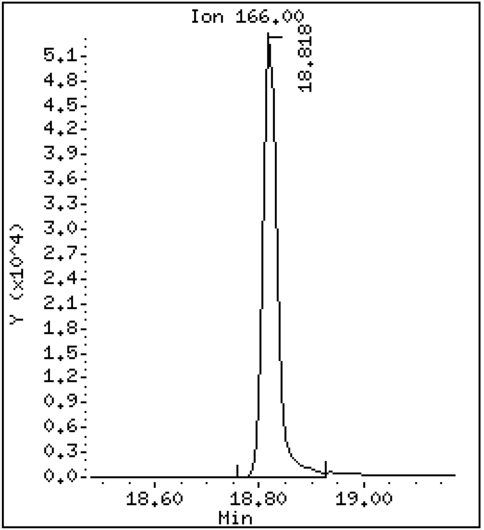
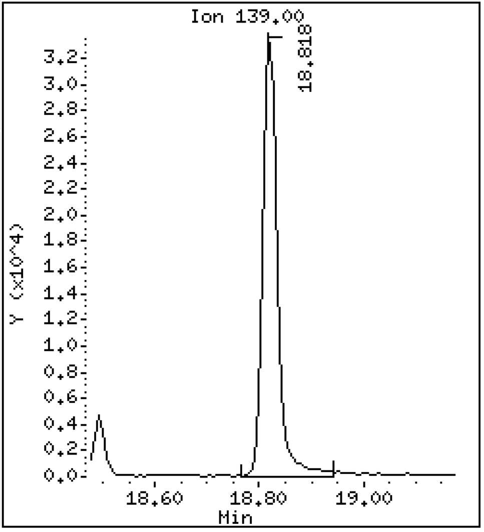

Ion 166.00


Ion 139.00

Data File: \\target\share\chem3\nt14.i\20221230C.b\NT1422123083.D

Date : 01-JAN-2023 09:41

Client ID:

Instrument: nt14.i

Sample Info: SKL0355-CCV1

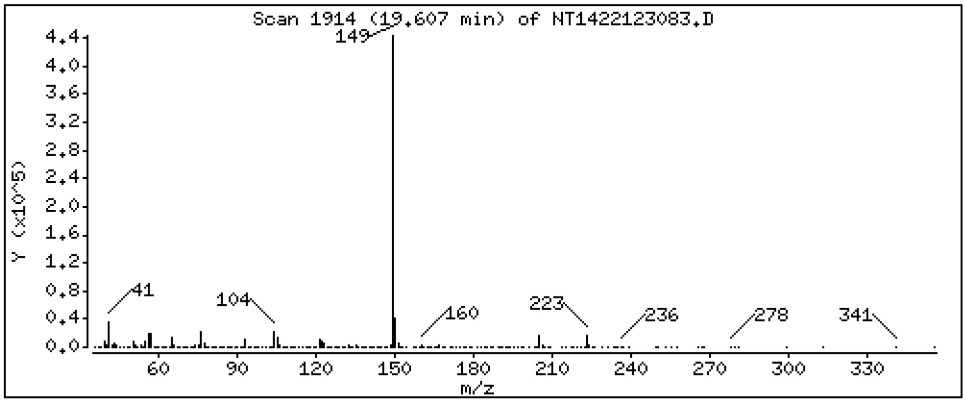
Operator: VTS

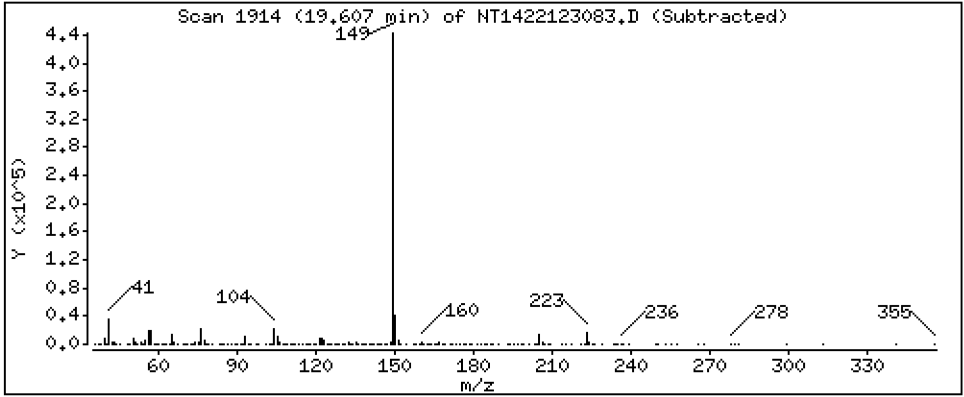
Column phase: ZB-5msi

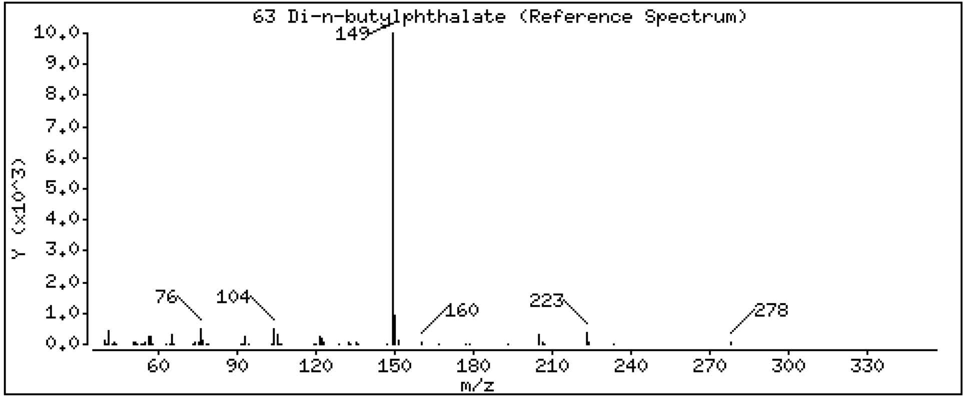
Column diameter: 0.25

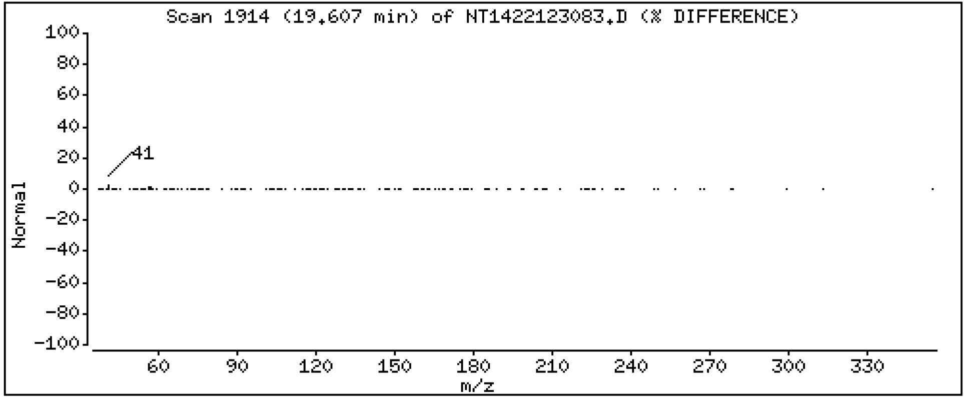
63 Di-n-butylphthalate

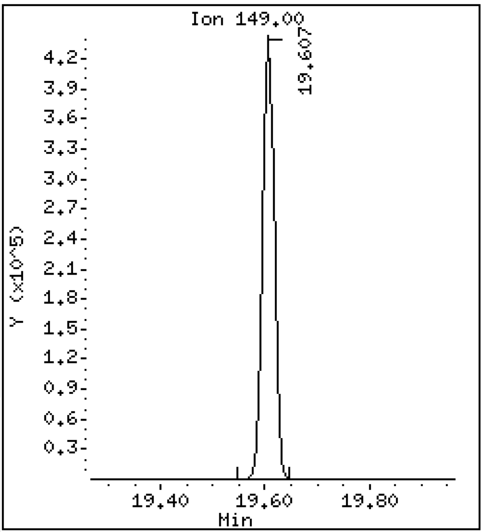
Concentration: 5.364 ug/mL

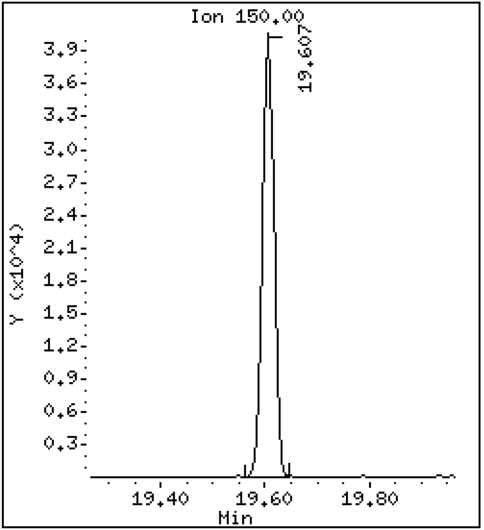

Scan 1914 (19.607 min) of NT1422123083.D

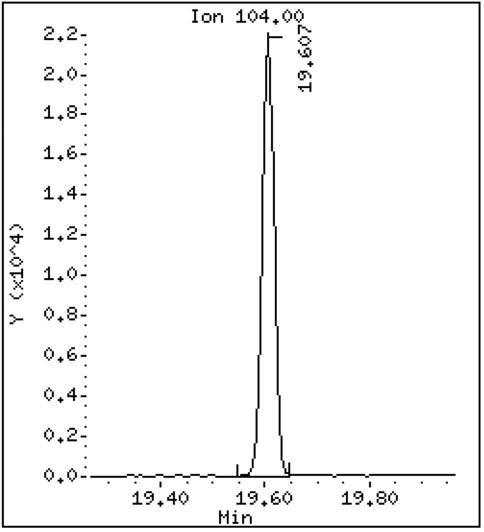

Scan 1914 (19.607 min) of NT1422123083.D (Subtracted)


63 Di-n-butylphthalate (Reference Spectrum)


Scan 1914 (19.607 min) of NT1422123083.D (% DIFFERENCE)


Ion 149.00


Ion 150.00


Ion 104.00

Data File: \\target\share\chem3\nt14.i\20221230C.b\NT1422123083.D

Date : 01-JAN-2023 09:41

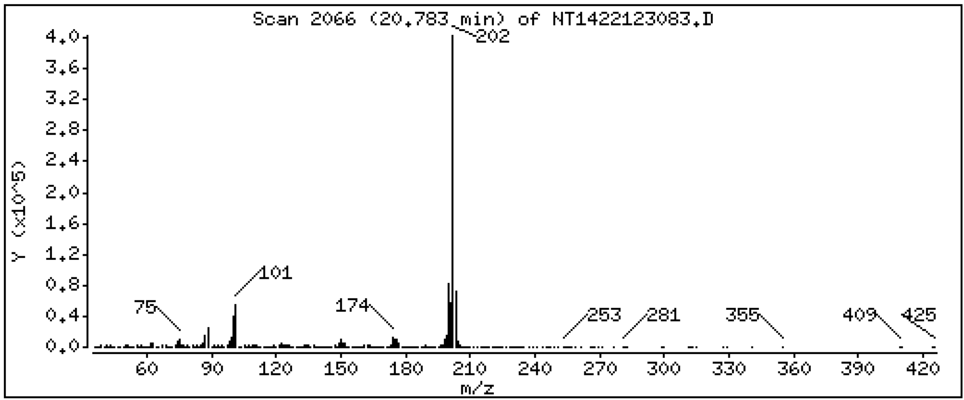
Client ID: Instrument: nt14.i

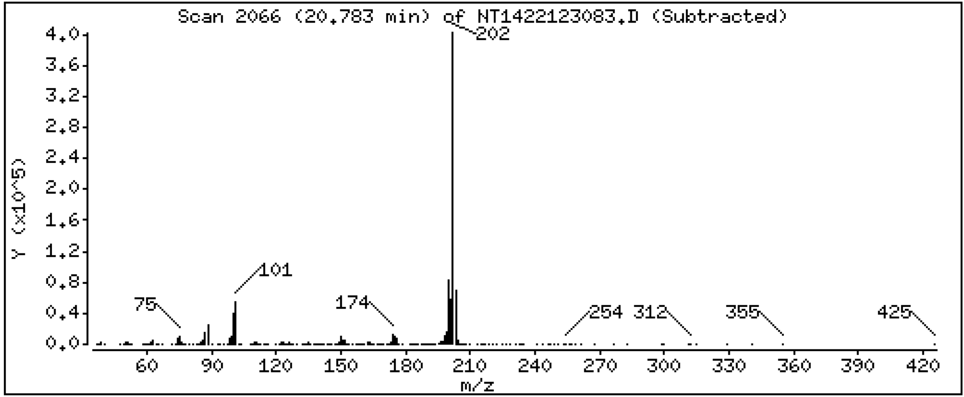
Sample Info: SKL0355-CCV1

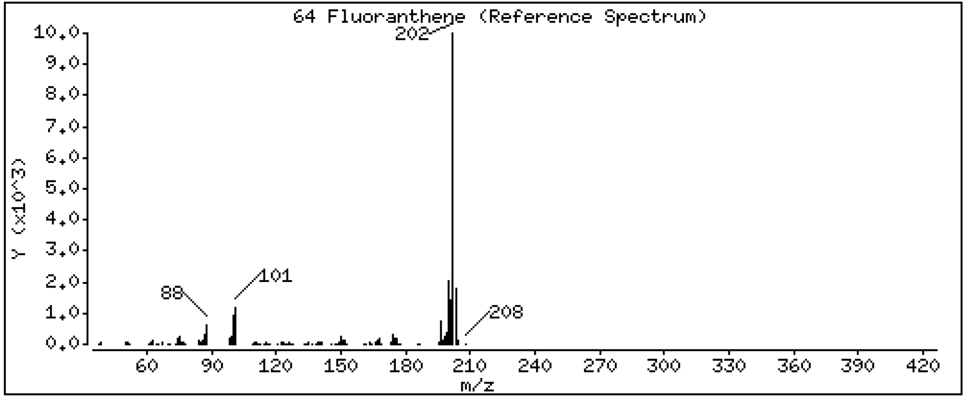
Operator: VTS

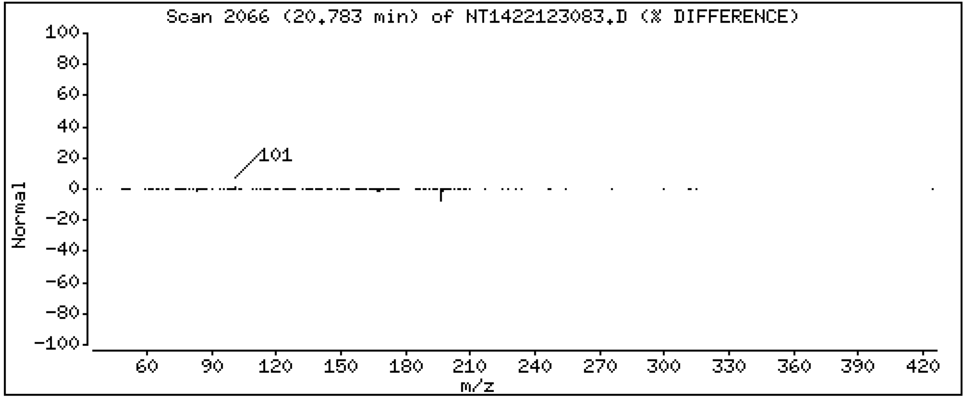
Column phase: ZB-5msi Column diameter: 0.25

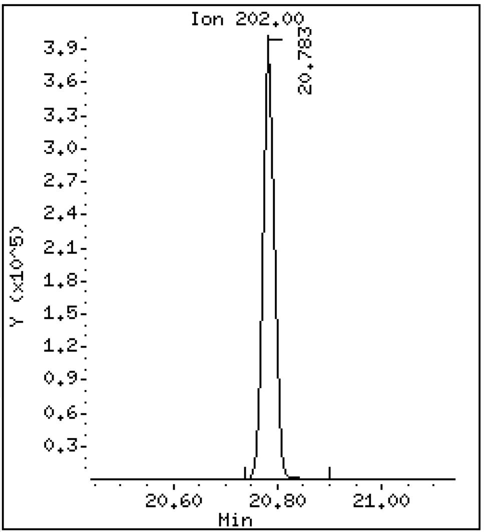
64 Fluoranthene Concentration: 4.617 ug/mL

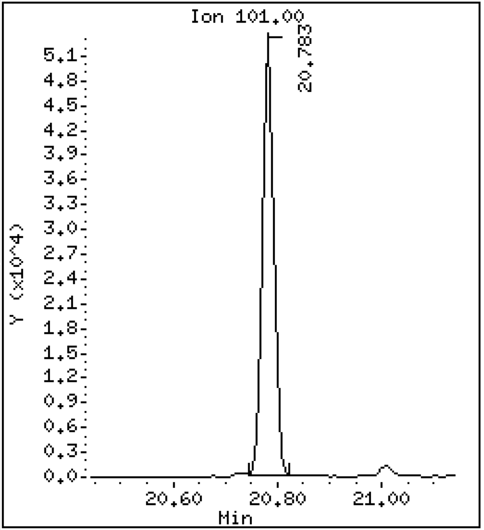

Scan 2066 (20.783 min) of NT1422123083.D

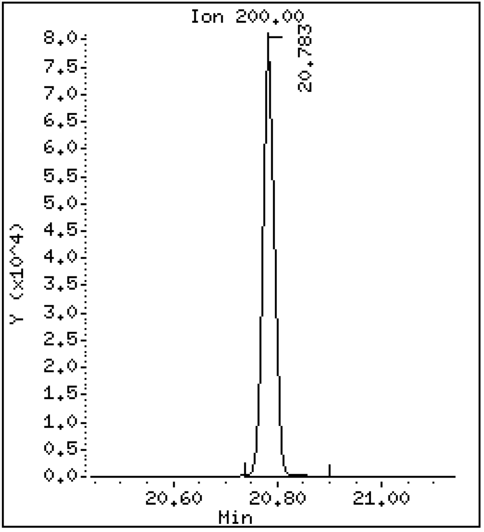

Scan 2066 (20.783 min) of NT1422123083.D (Subtracted)


64 Fluoranthene (Reference Spectrum)


Scan 2066 (20.783 min) of NT1422123083.D (% DIFFERENCE)


Ion 202.00


Ion 101.00


Ion 200.00

Data File: \\target\share\chem3\nt14.i\20221230C.b\NT1422123083.D

Date : 01-JAN-2023 09:41

Client ID:

Instrument: nt14.i

Sample Info: SKL0355-CCV1

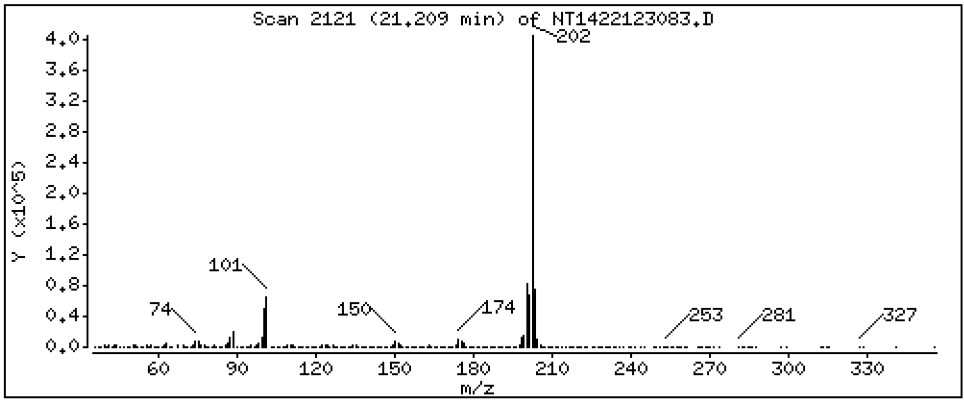
Operator: VTS

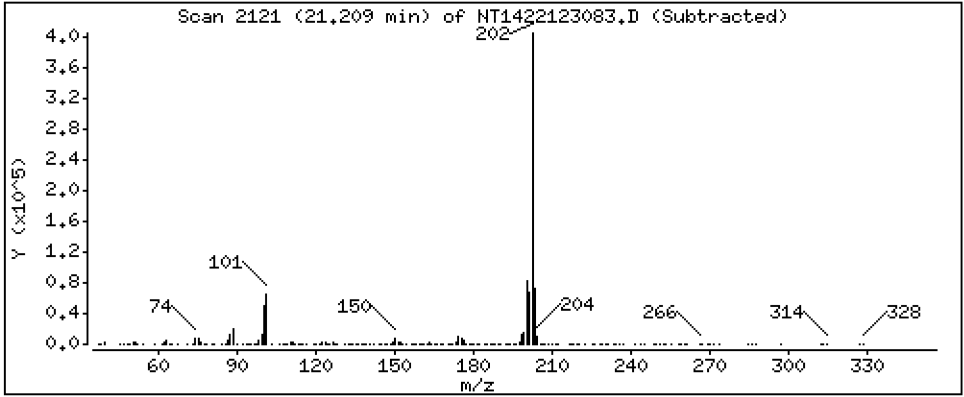
Column phase: ZB-5msi

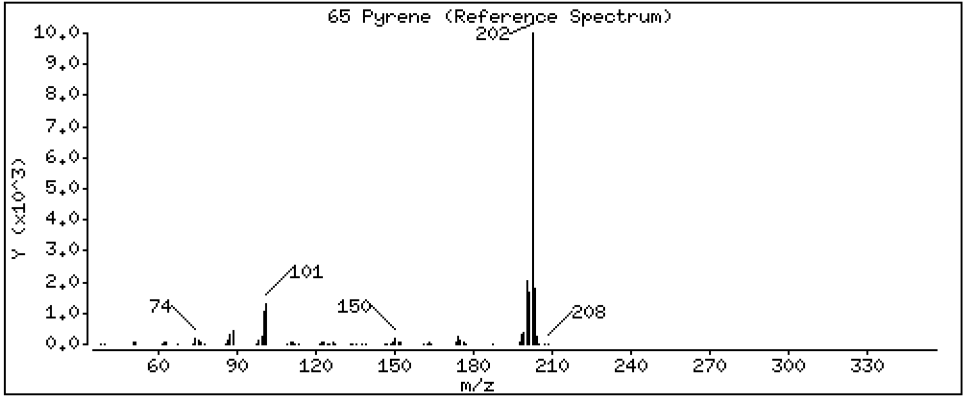
Column diameter: 0.25

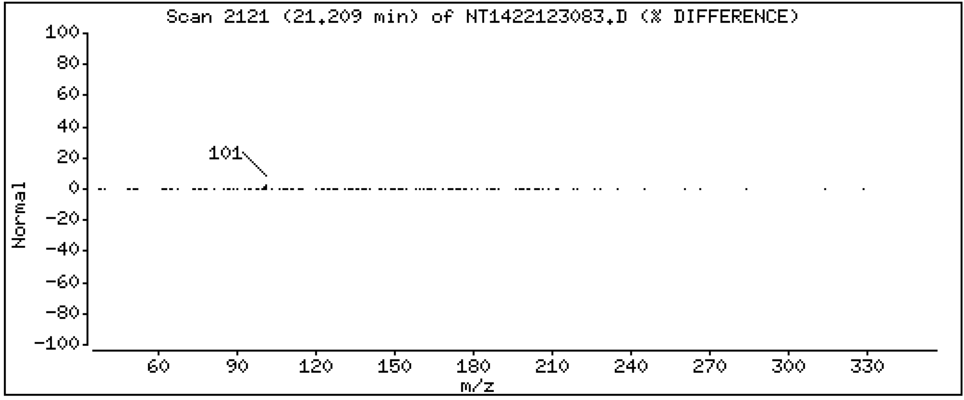
65 Pyrene

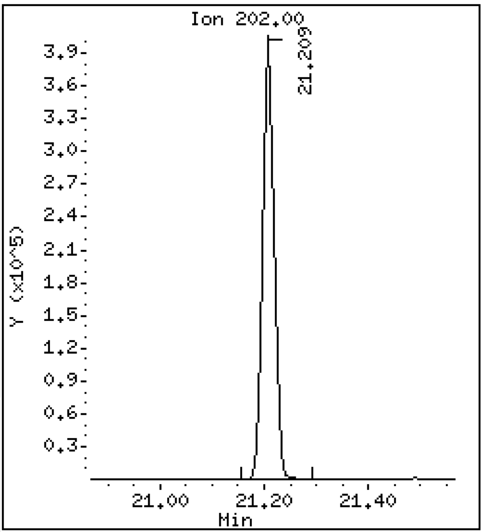
Concentration: 4.520 ug/mL


Scan 2121 (21.209 min) of NT1422123083.D


Scan 2121 (21.209 min) of NT1422123083.D (Subtracted)


65 Pyrene (Reference Spectrum)


Scan 2121 (21.209 min) of NT1422123083.D (% DIFFERENCE)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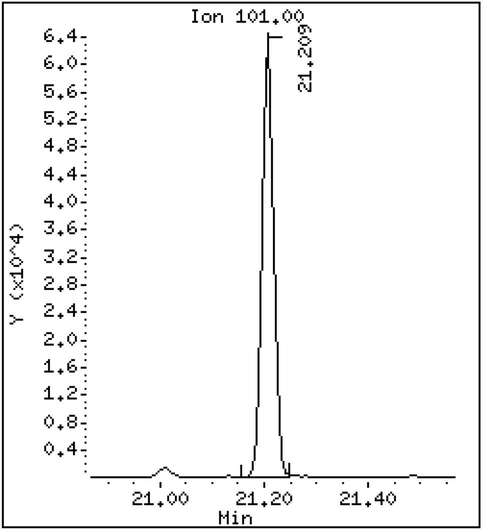
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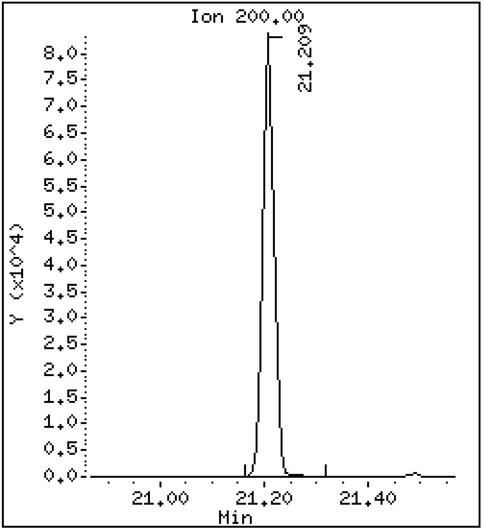

Ion 200.00

Data File: \\target\share\chem3\nt14.i\20221230C.b\NT1422123083.D

Date : 01-JAN-2023 09:41

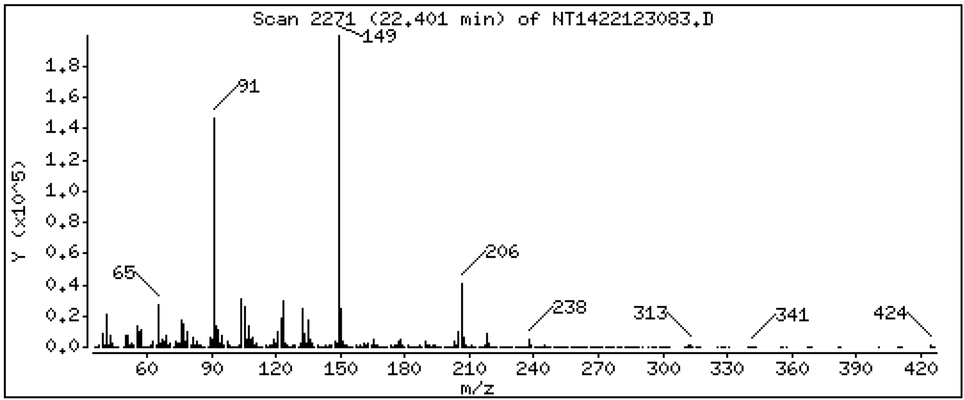
Client ID: Instrument: nt14.i

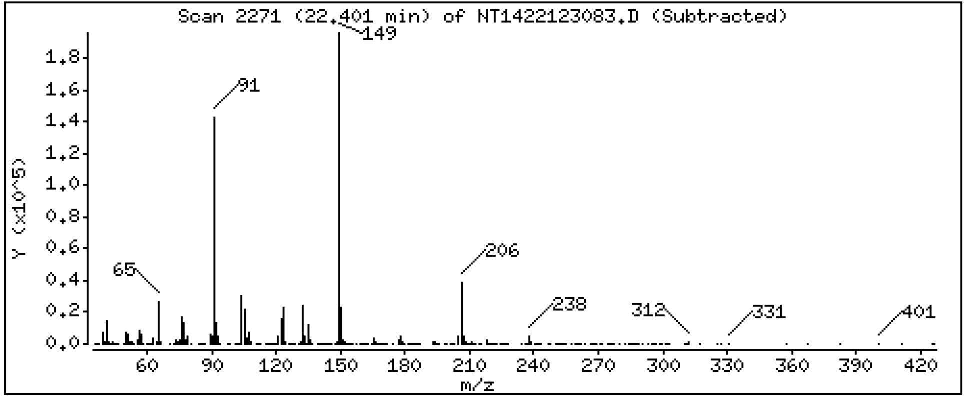
Sample Info: SKL0355-CCV1

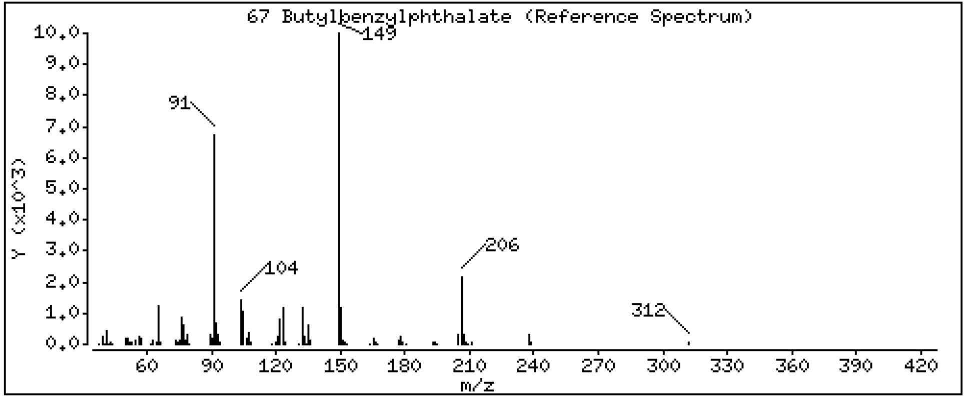
Operator: VTS

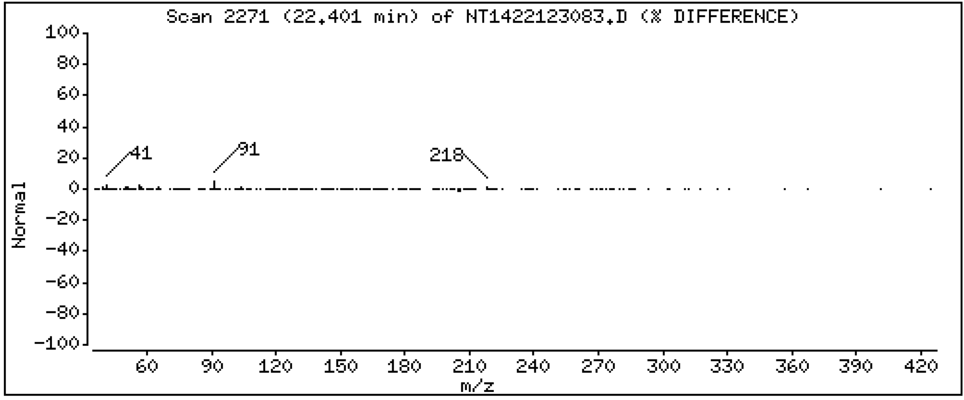
Column phase: ZB-5msi Column diameter: 0.25

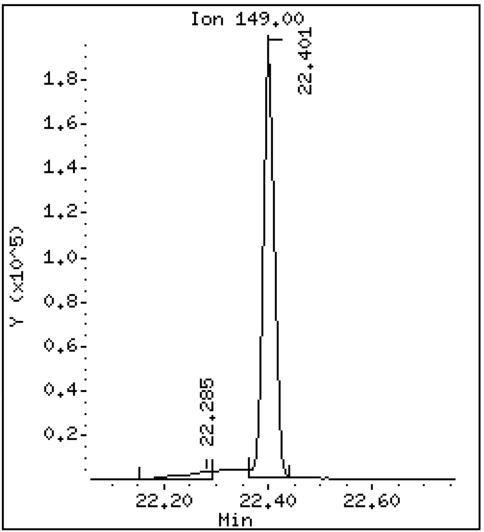
67 Butylbenzylphthalate Concentration: 5.440 ug/mL

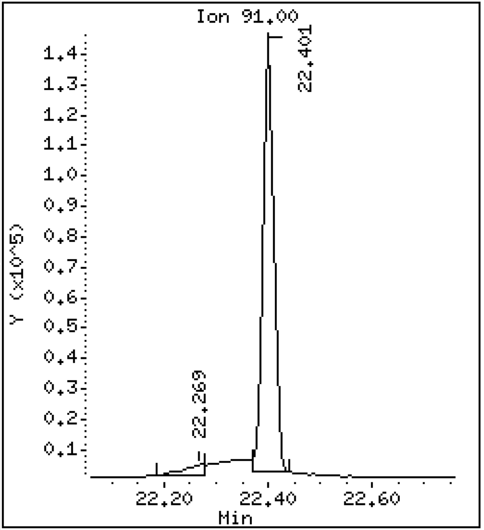


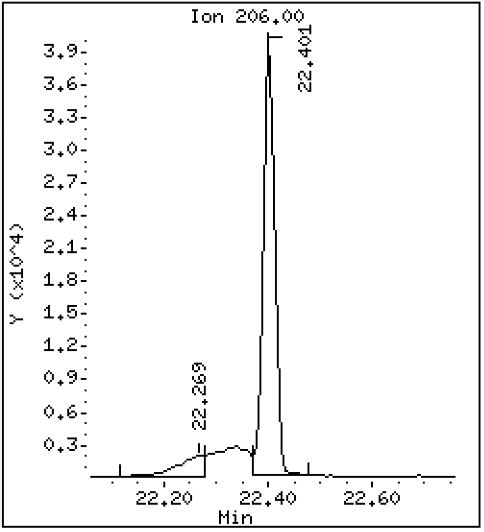












Data File: \\target\share\chem3\nt14.i\20221230C.b\NT1422123083.D

Date : 01-JAN-2023 09:41

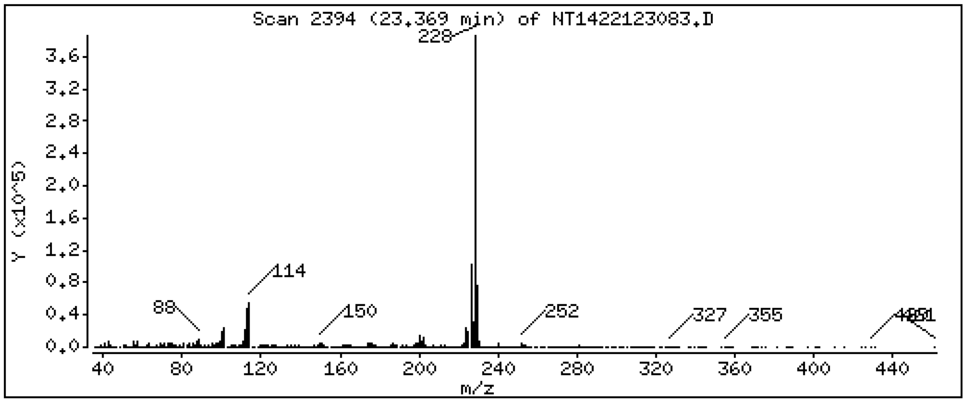
Client ID: Instrument: nt14.i

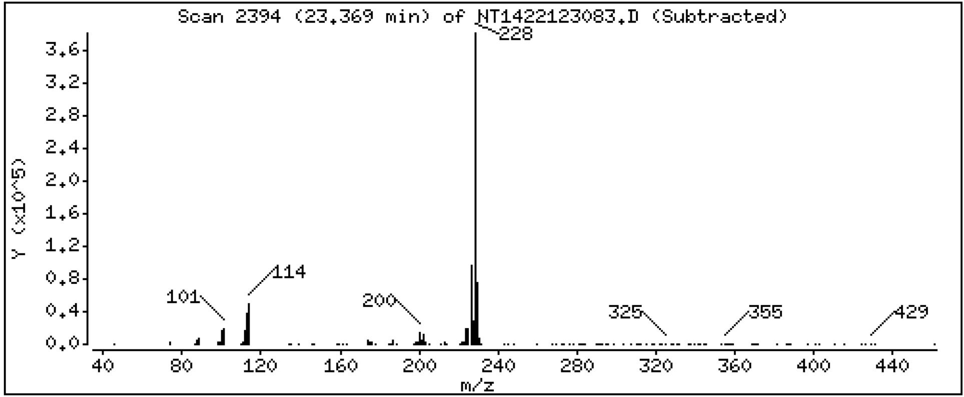
Sample Info: SKL0355-CCV1

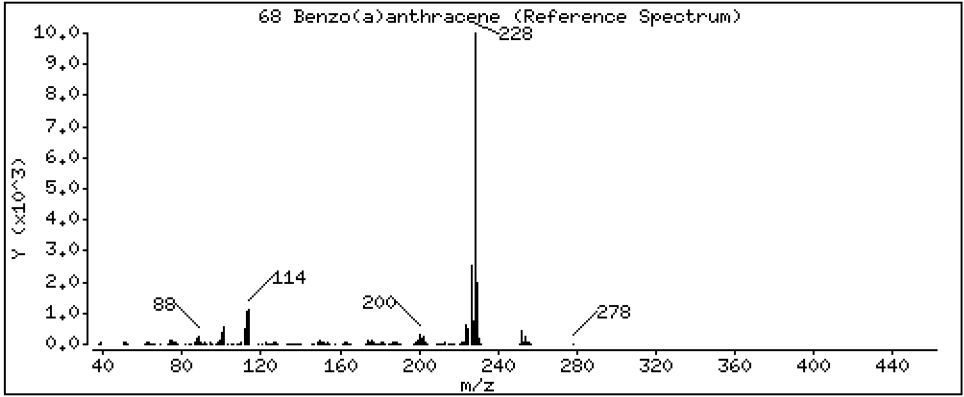
Operator: VTS

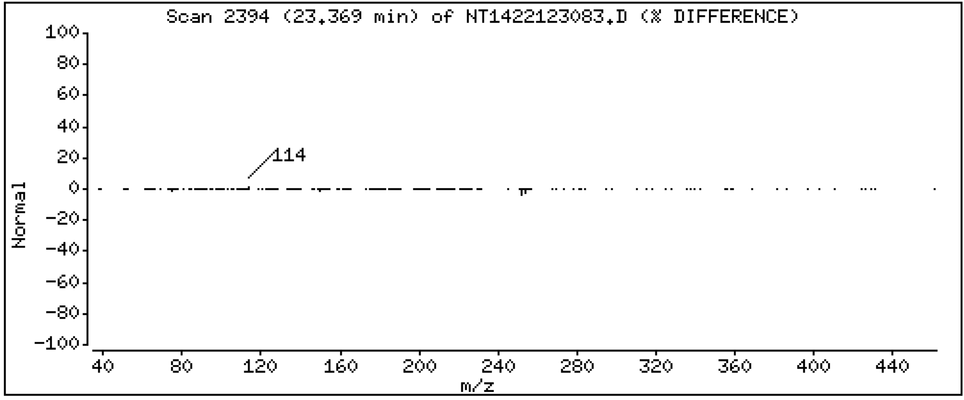
Column phase: ZB-5msi Column diameter: 0.25

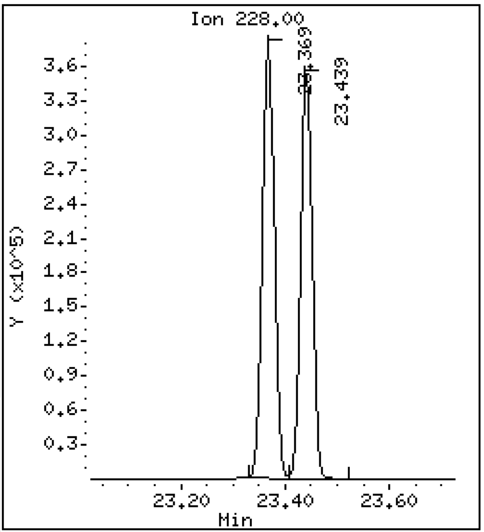
68 Benzo(a)anthracene Concentration: 4.819 ug/mL

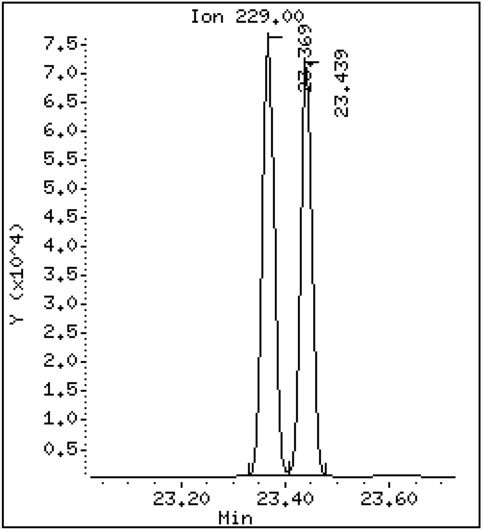


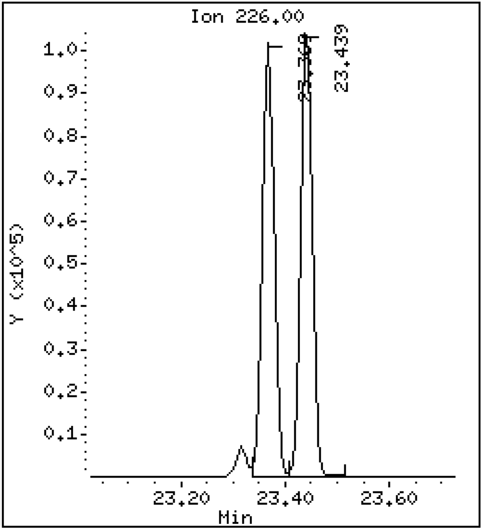












Data File: \\target\share\chem3\nt14.i\20221230C.b\NT1422123083.D

Date : 01-JAN-2023 09:41

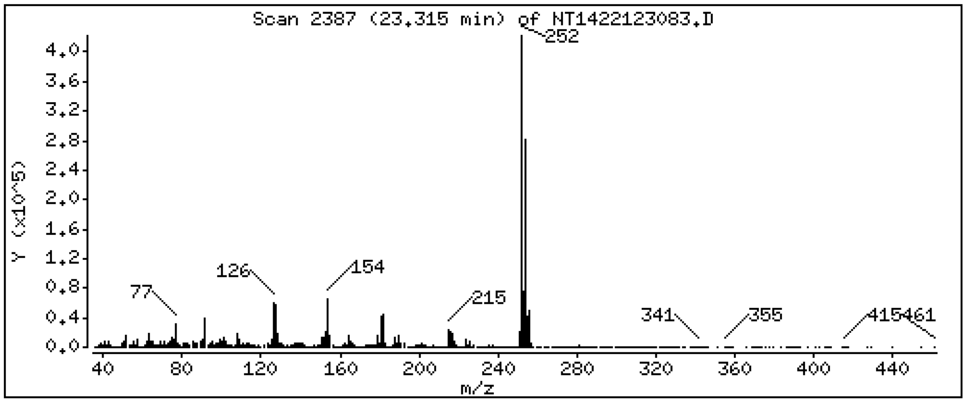
Client ID: Instrument: nt14.i

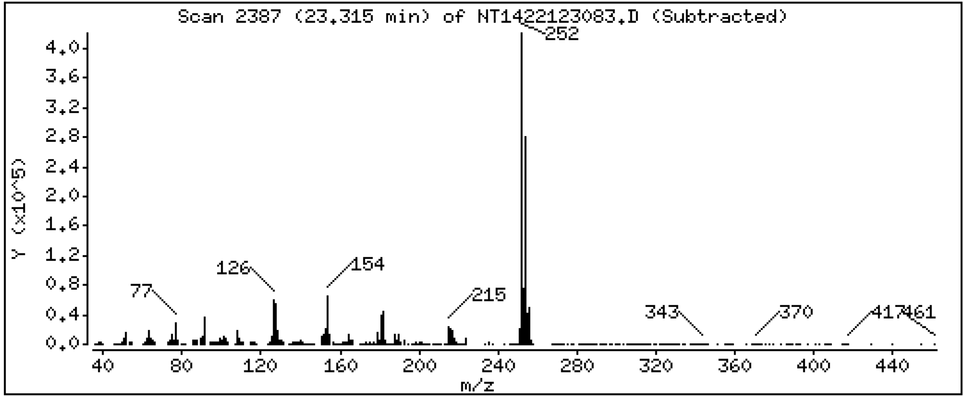
Sample Info: SKL0355-CCV1

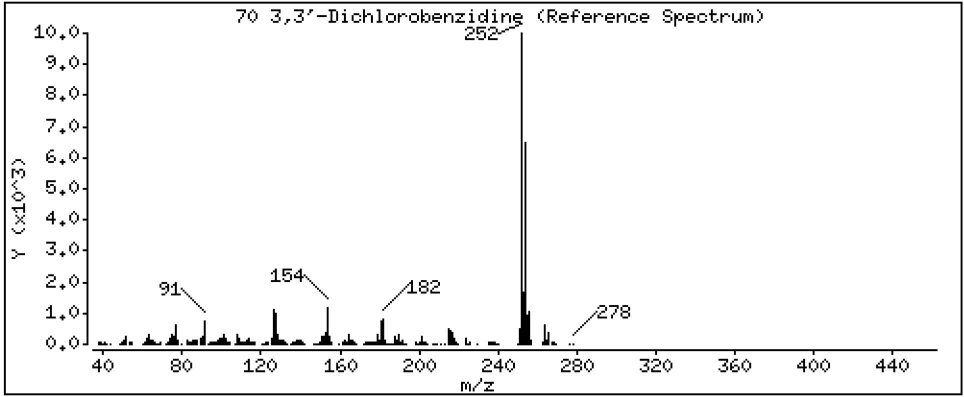
Operator: VTS

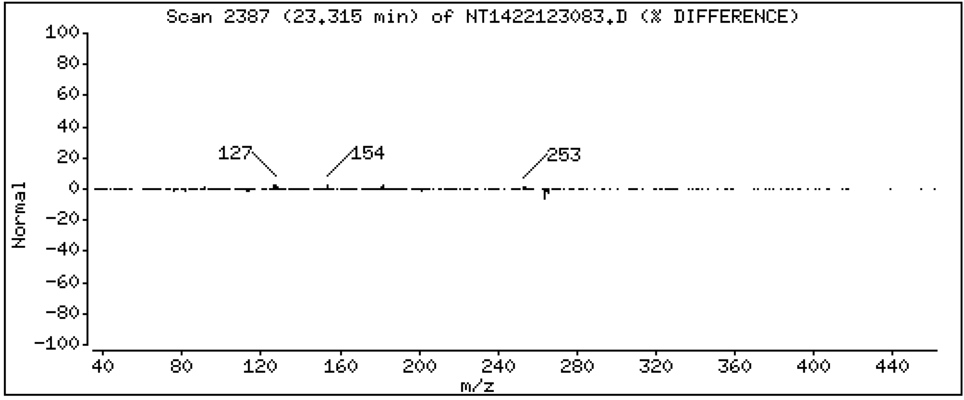
Column phase: ZB-5msi Column diameter: 0.25

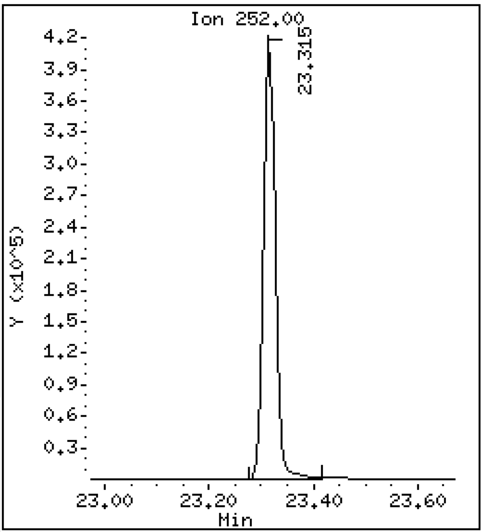
70 3,3'-Dichlorobenzidine Concentration: 16.87 ug/mL

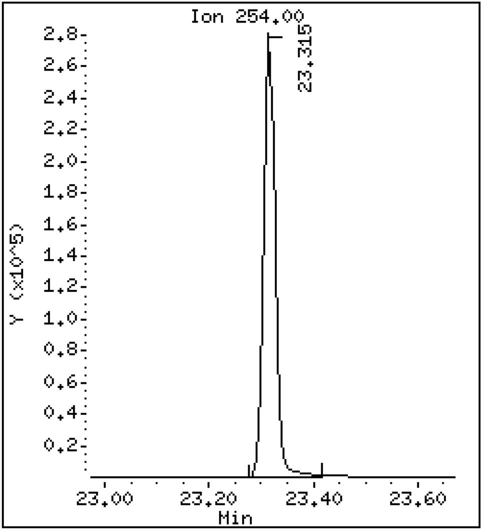

Scan 2387 (23.315 min) of NT1422123083.D

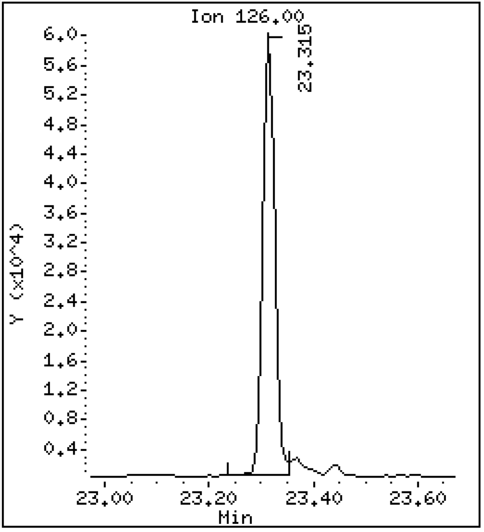

Scan 2387 (23.315 min) of NT1422123083.D (Subtracted)


70 3,3'-Dichlorobenzidine (Reference Spectrum)


Scan 2387 (23.315 min) of NT1422123083.D (% DIFFERENCE)


Ion 252.00


Ion 254.00


Ion 126.00

Data File: \\target\share\chem3\nt14.i\20221230C.b\NT1422123083.D

Date : 01-JAN-2023 09:41

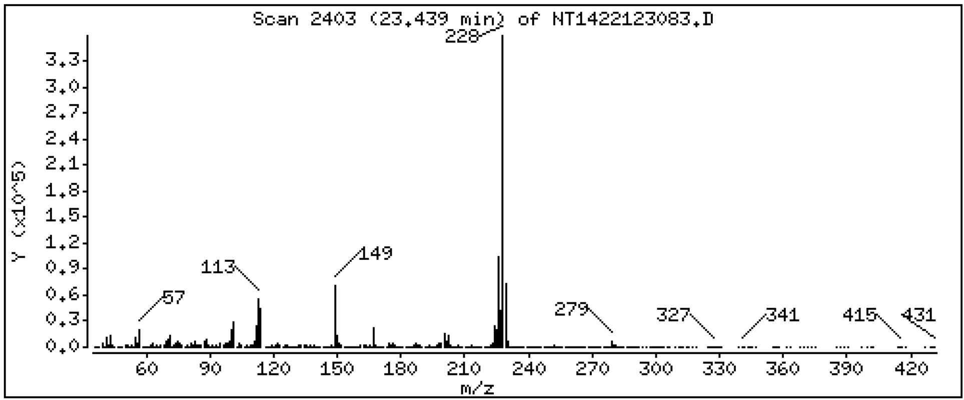
Client ID: Instrument: nt14.i

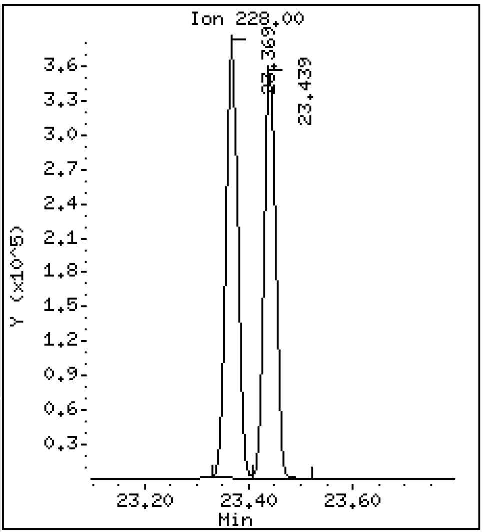
Sample Info: SKL0355-CCV1

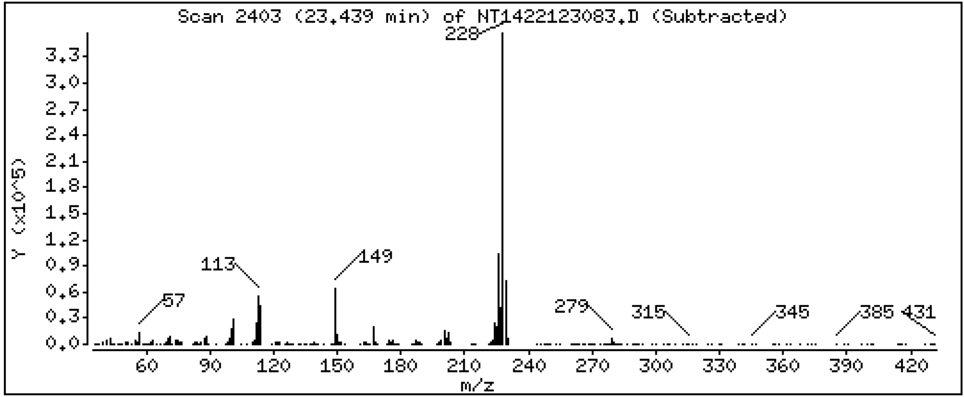
Operator: VTS

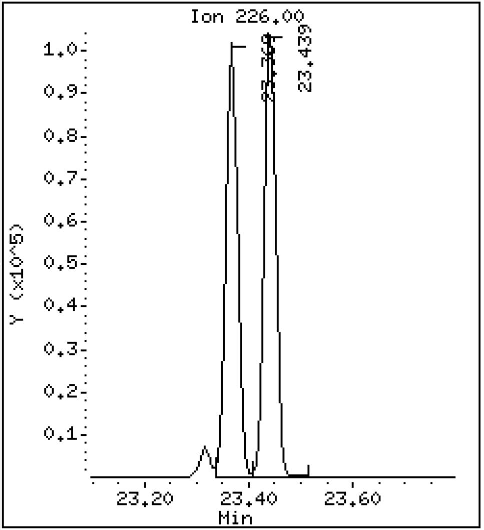
Column phase: ZB-5msi Column diameter: 0.25

71 Chrysene Concentration: 4.720 ug/mL


Scan 2403 (23.439 min) of NT1422123083.D


Ion 228.00


Scan 2403 (23.439 min) of NT1422123083.D (Subtracted)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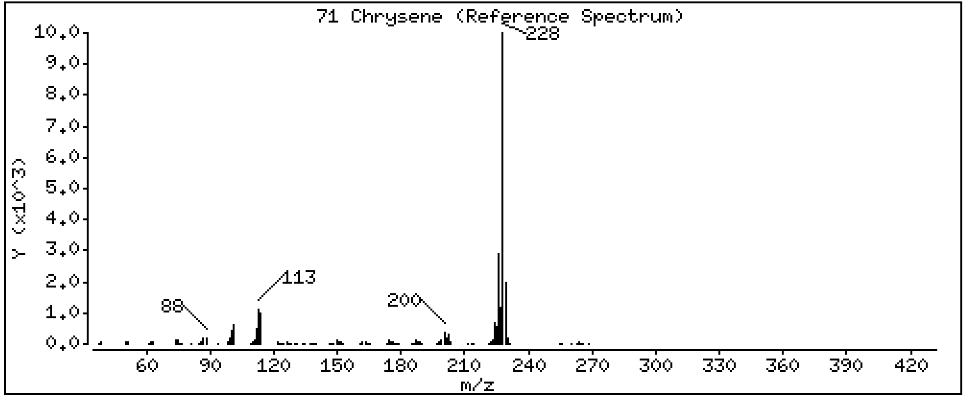
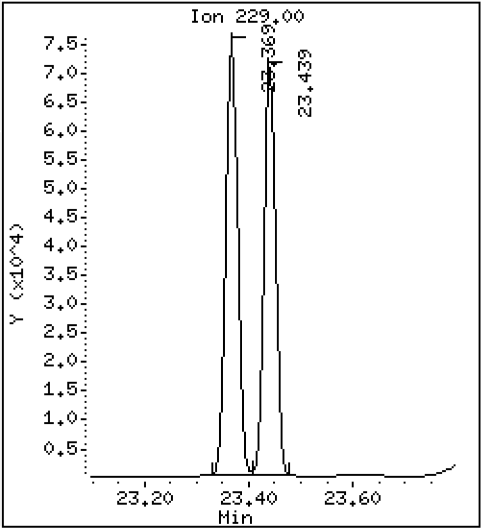

71 Chrysene (Reference Spectrum)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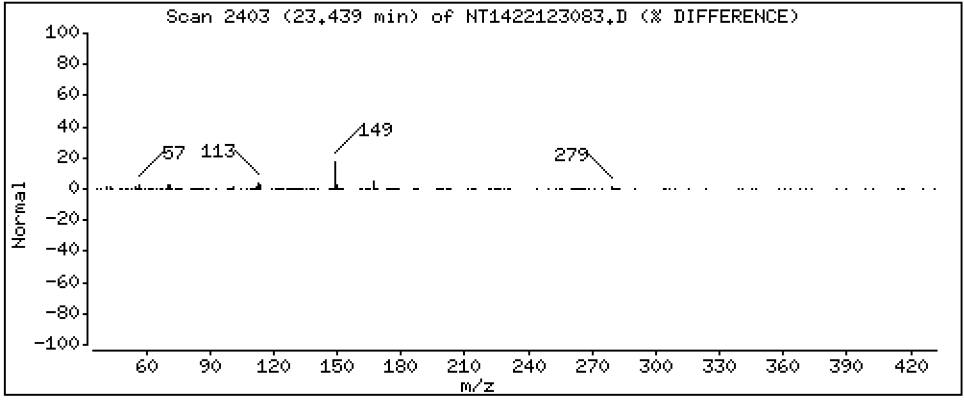

Scan 2403 (23.439 min) of NT1422123083.D (% DIFFERENCE)

Data File: \\target\share\chem3\nt14.i\20221230C.b\NT1422123083.D

Date : 01-JAN-2023 09:41

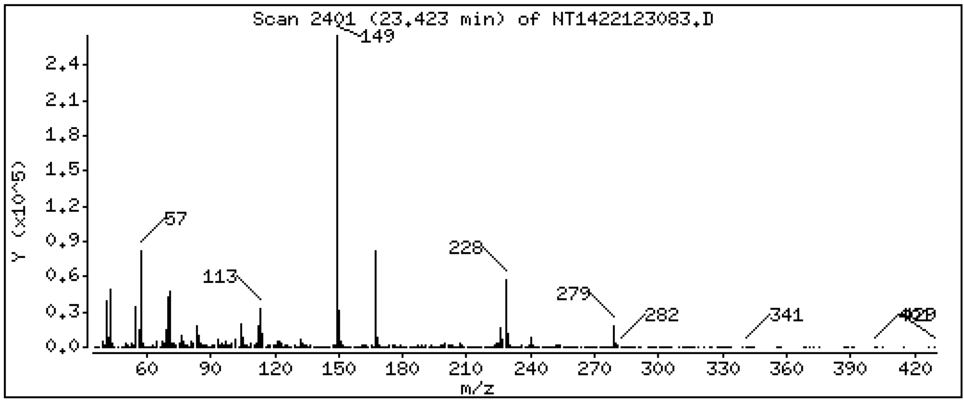
Client ID: Instrument: nt14.i

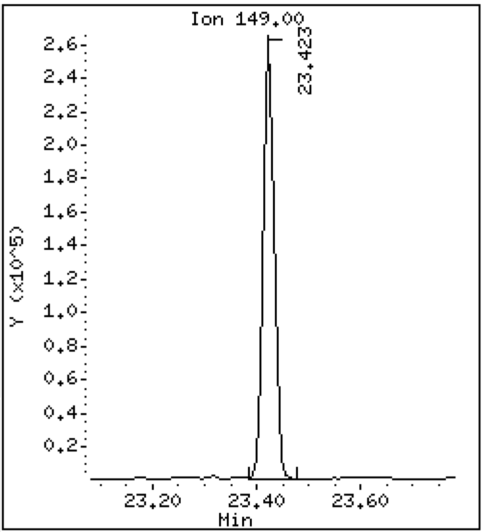
Sample Info: SKL0355-CCV1

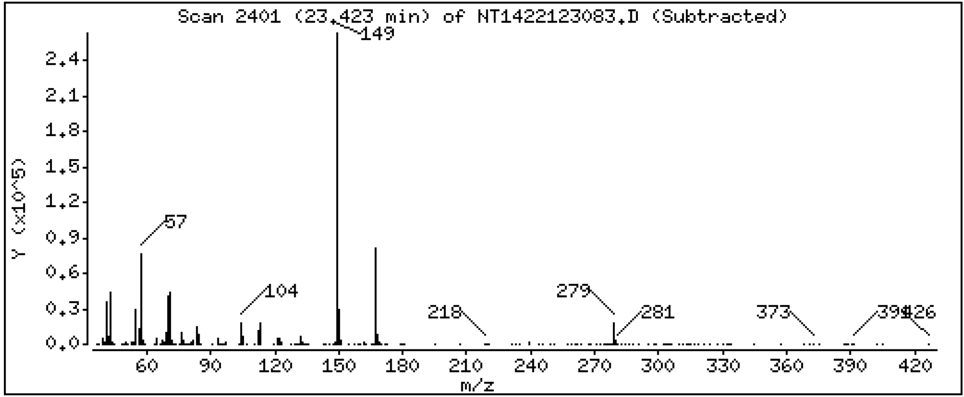
Operator: VTS

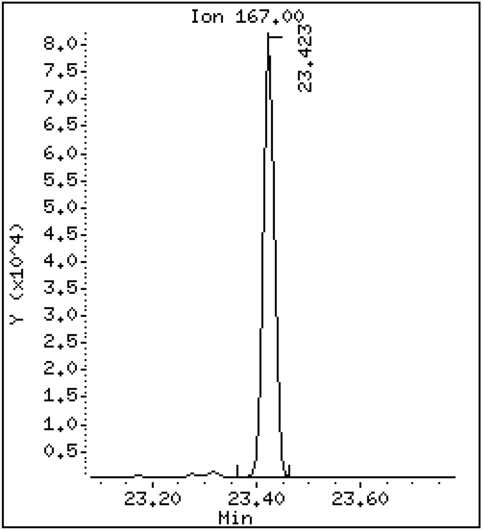
Column phase: ZB-5msi Column diameter: 0.25

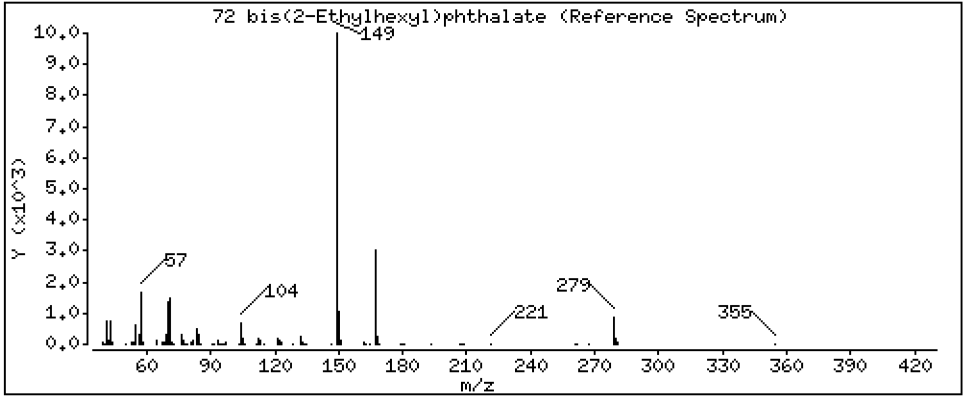
72 bis(2-Ethylhexyl)phthalate Concentration: 4.870 ug/mL

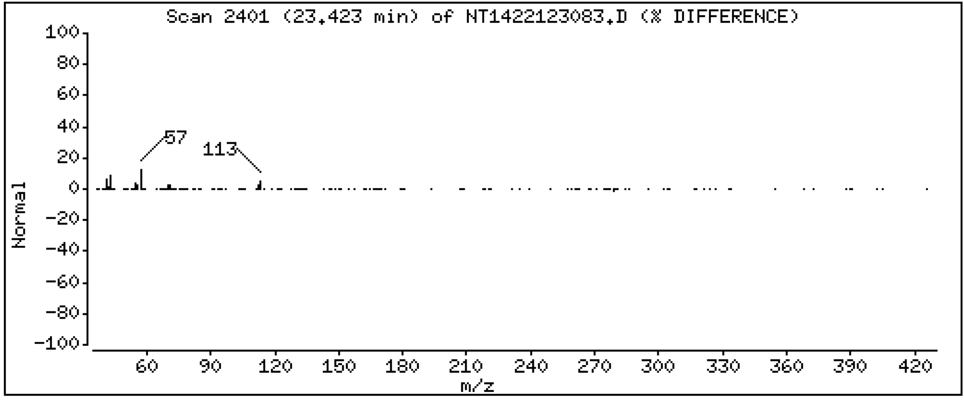

Scan 2401 (23.423 min) of NT1422123083.D

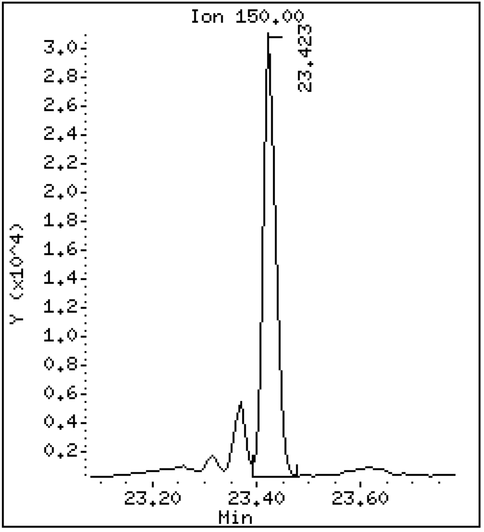

Ion 149.00


Scan 2401 (23.423 min) of NT1422123083.D (Subtracted)


Ion 167.00


72 bis(2-Ethylhexyl)phthalate (Reference Spectrum)


Scan 2401 (23.423 min) of NT1422123083.D (% DIFFERENCE)


Ion 150.00

Data File: \\target\share\chem3\nt14.i\20221230C.b\NT1422123083.D

Date : 01-JAN-2023 09:41

Client ID:

Instrument: nt14.i

Sample Info: SKL0355-CCV1

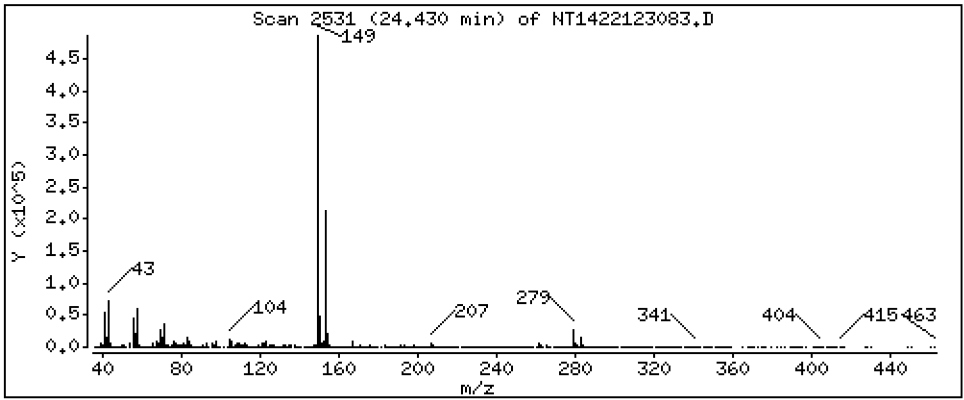
Operator: VTS

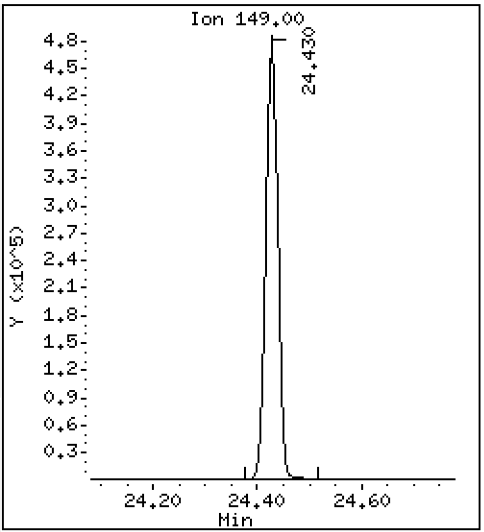
Column phase: ZB-5msi

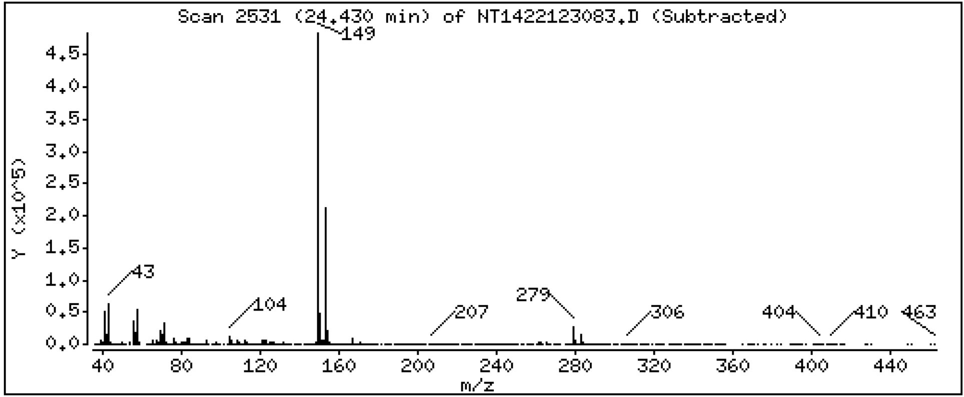
Column diameter: 0.25

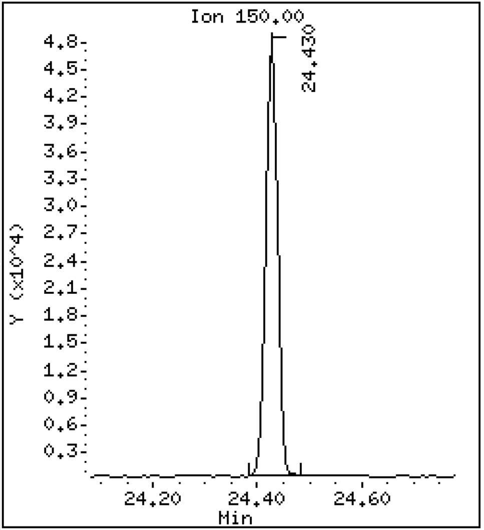
73 Di-n-octylphthalate

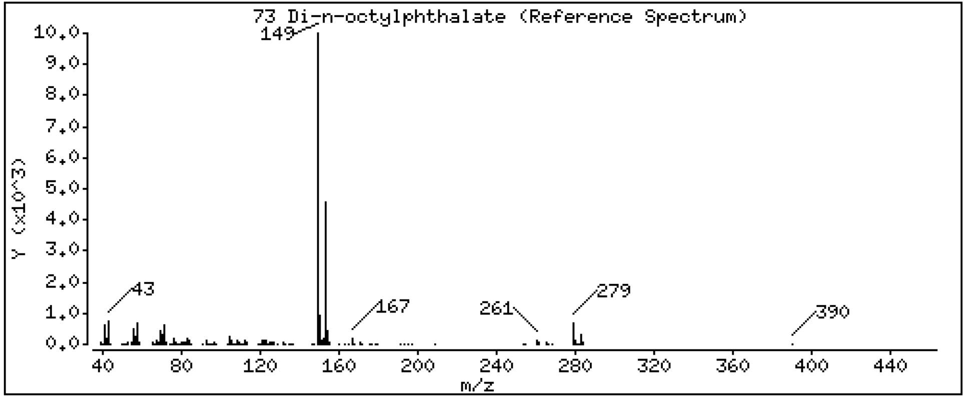
Concentration: 4.294 ug/mL

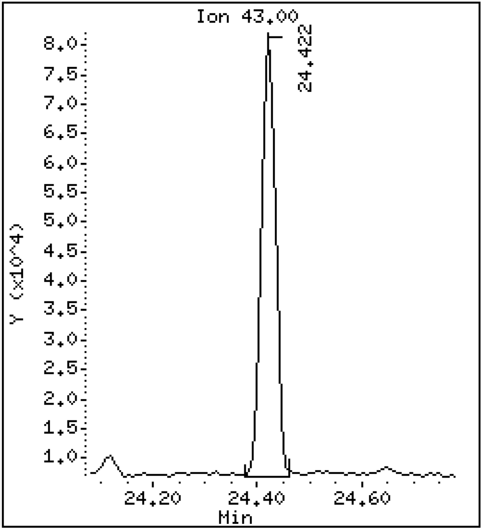

Scan 2531 (24.430 min) of NT1422123083.D


Ion 149.00


Scan 2531 (24.430 min) of NT1422123083.D (Subtracted)


Ion 150.00


73 Di-n-octylphthalate (Reference Spectrum)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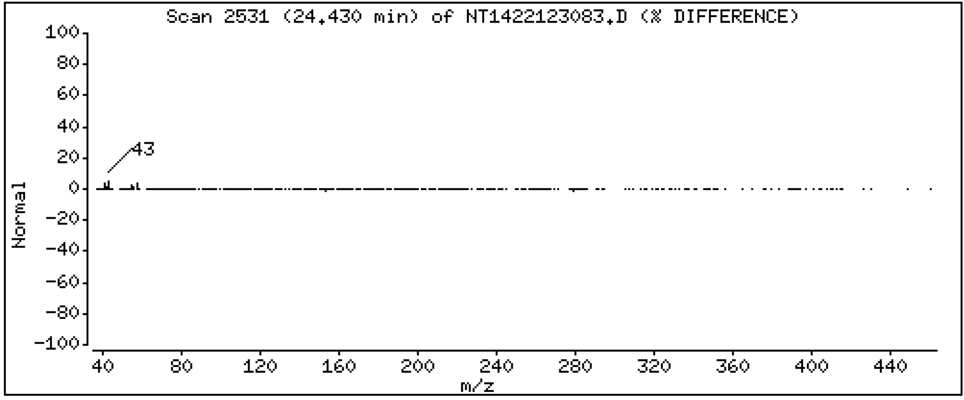

Scan 2531 (24.430 min) of NT1422123083.D (% DIFFERENCE)

Date : 01-JAN-2023 09:41

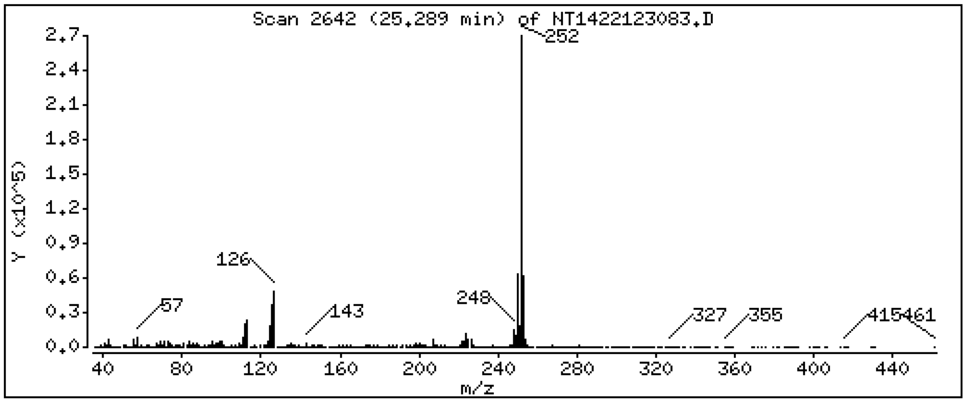
Client ID: Instrument: nt14.i

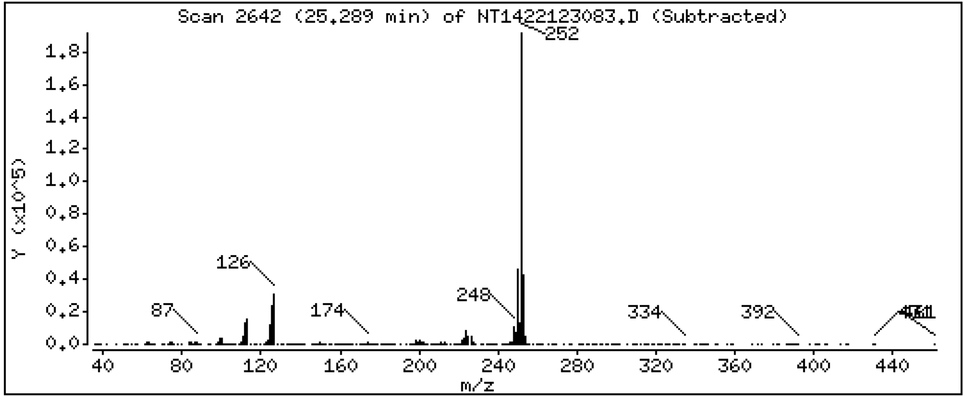
Sample Info: SKL0355-CCV1

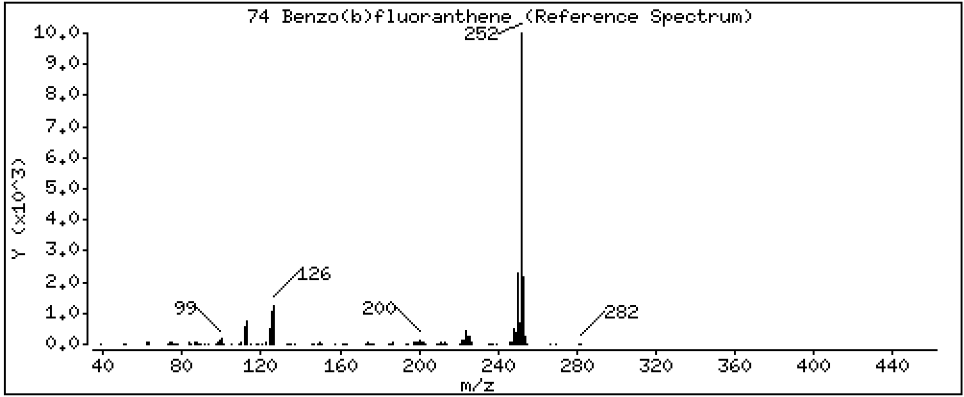
Operator: VTS

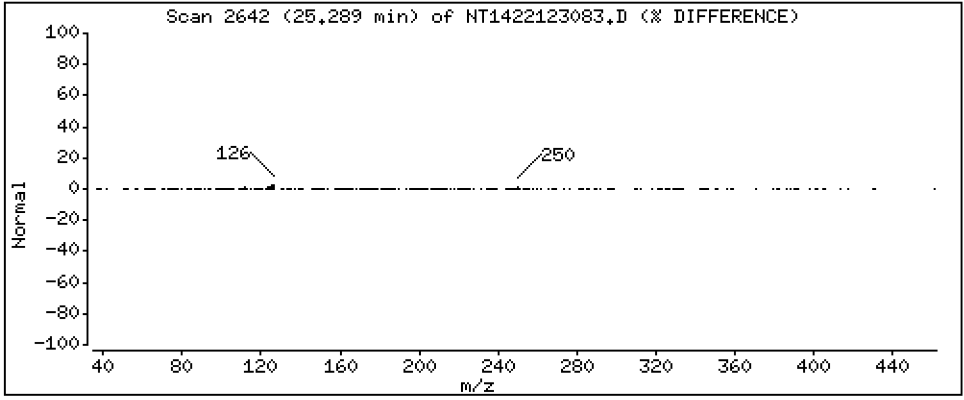
Column phase: ZB-5msi Column diameter: 0.25

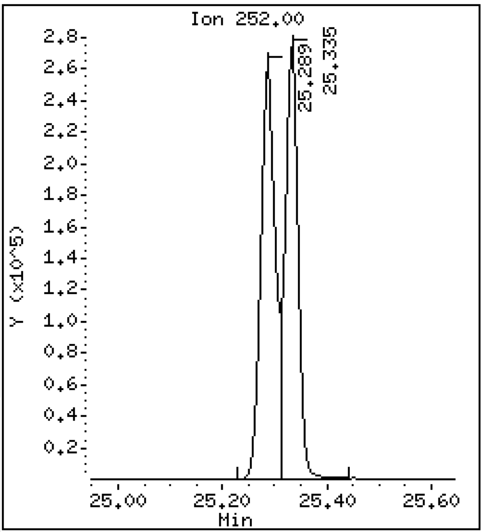
74 Benzo(b)fluoranthene Concentration: 5.553 ug/mL

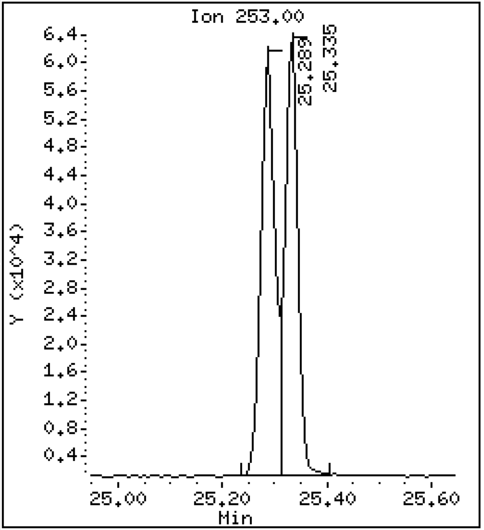


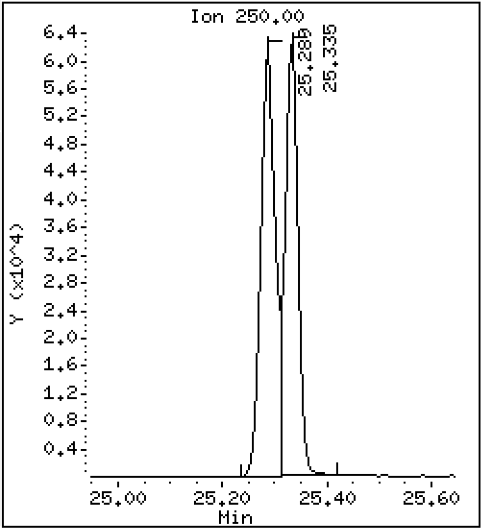












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Date : 01-JAN-2023 09:41

Client ID:

Instrument: nt14.i

Sample Info: SKL0355-CCV1

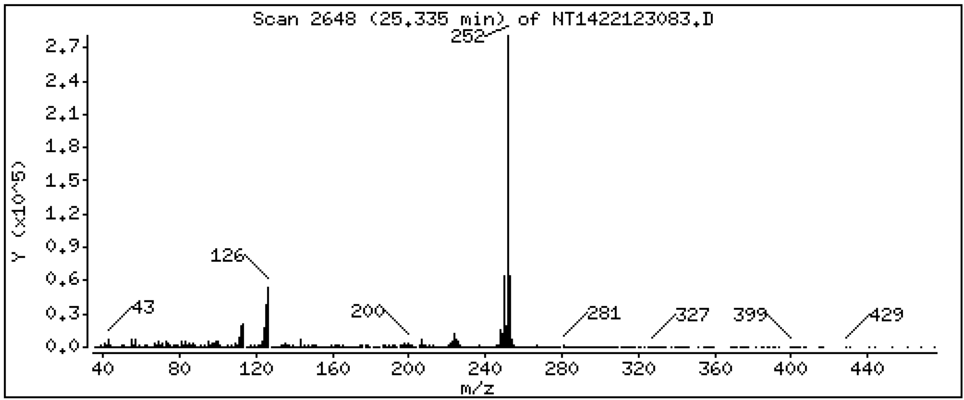
Operator: VTS

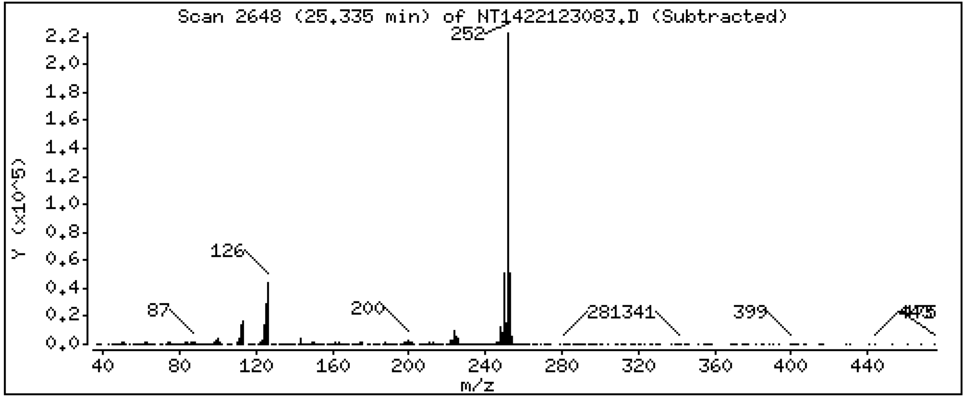
Column phase: ZB-5msi

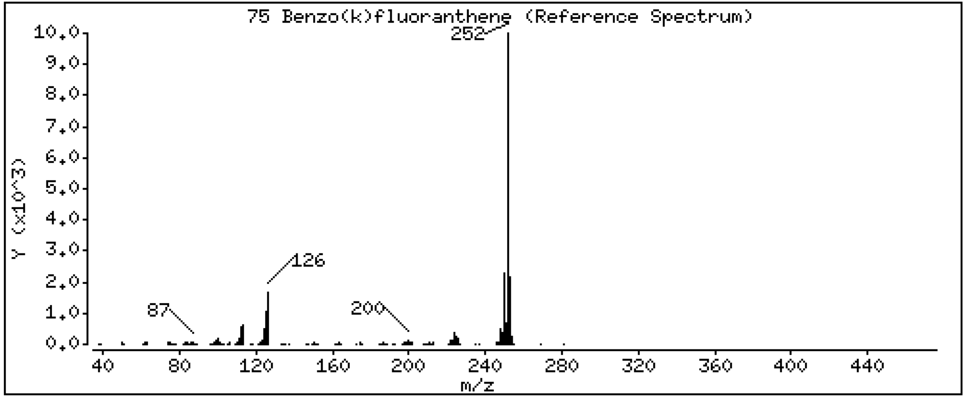
Column diameter: 0.25

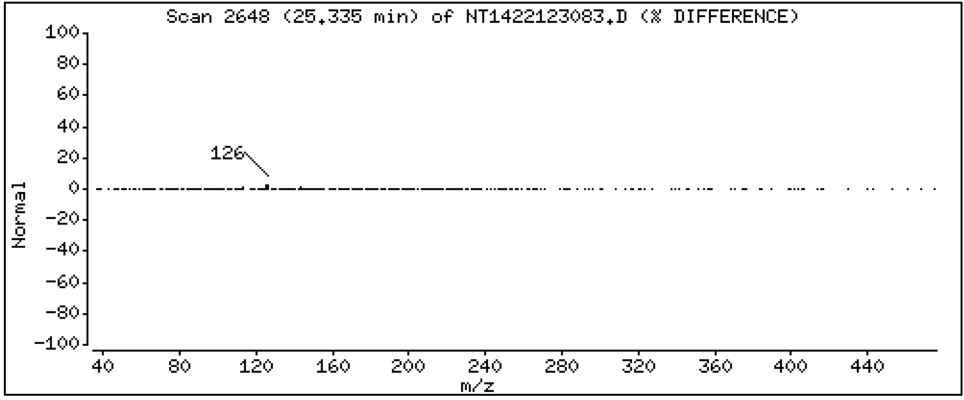
75 Benzo(k)fluoranthene

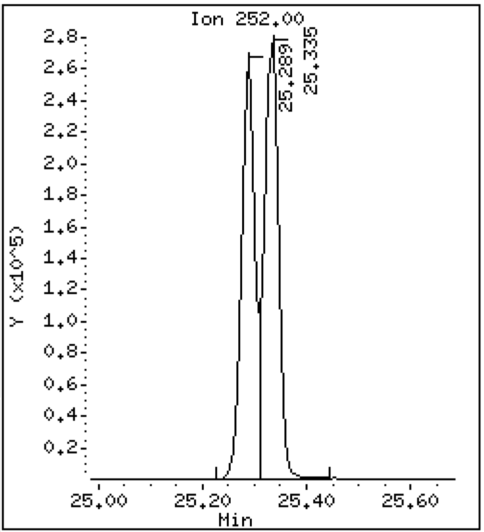
Concentration: 5.349 ug/mL

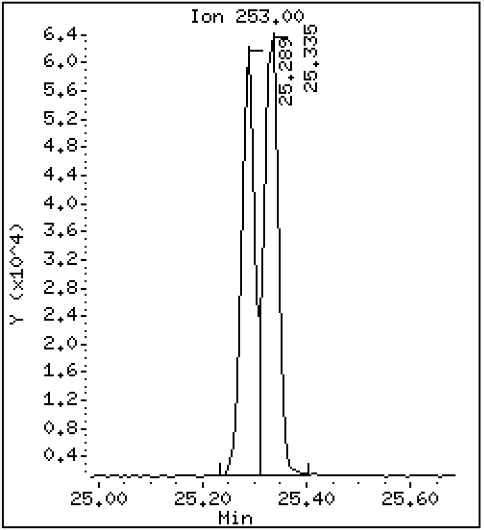

Scan 2648 (25.335 min) of NT1422123083.D

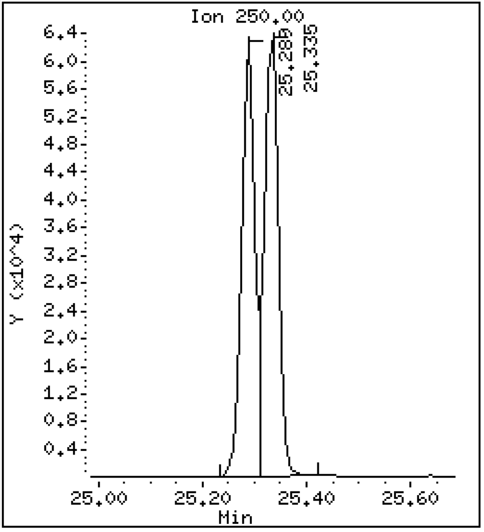

Scan 2648 (25.335 min) of NT1422123083.D (Subtracted)


75 Benzo(k)fluoranthene (Reference Spectrum)


Scan 2648 (25.335 min) of NT1422123083.D (% DIFFERENCE)


Ion 252.00


Ion 253.00


Ion 250.00

Data File: \\target\share\chem3\nt14.i\20221230C.b\NT1422123083.D

Date : 01-JAN-2023 09:41

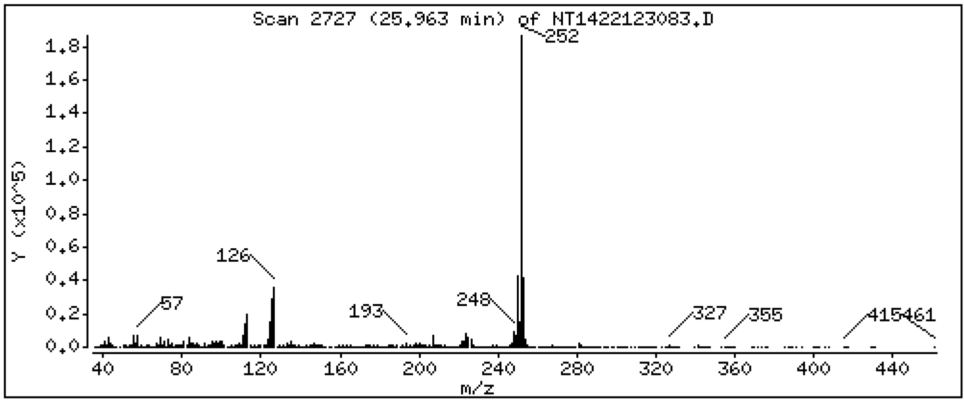
Client ID: Instrument: nt14.i

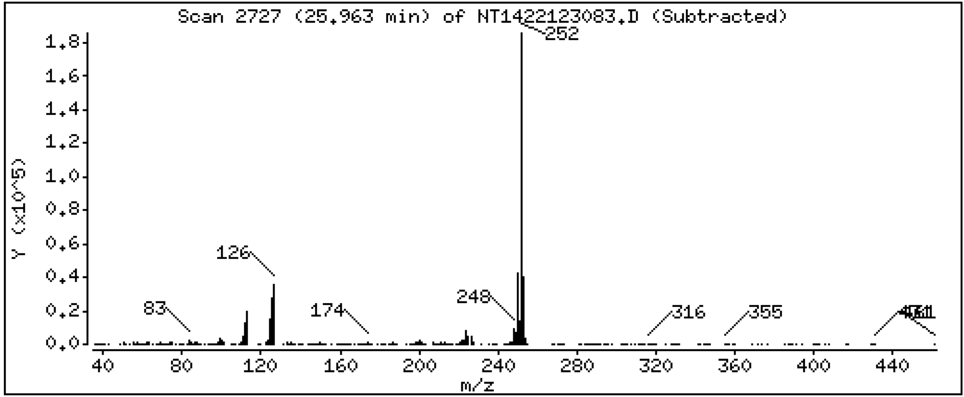
Sample Info: SKL0355-CCV1

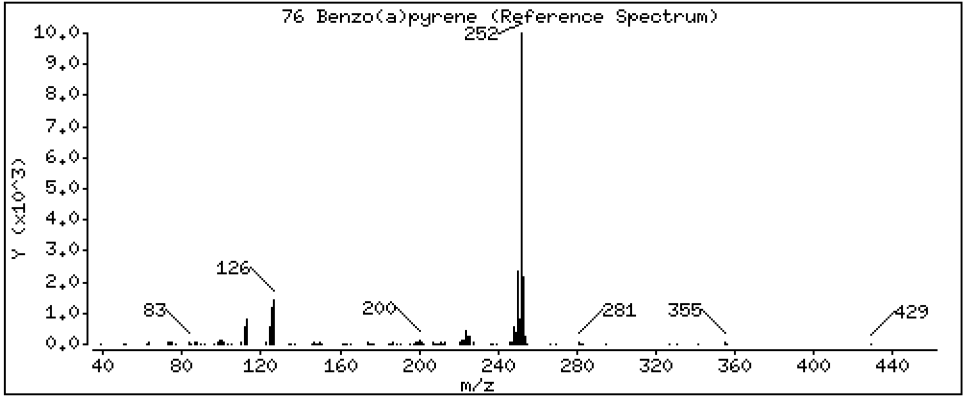
Operator: VTS

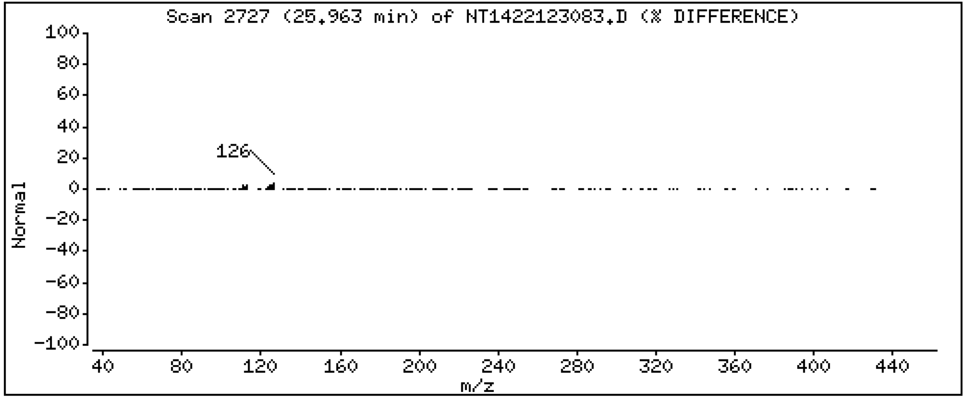
Column phase: ZB-5msi Column diameter: 0.25

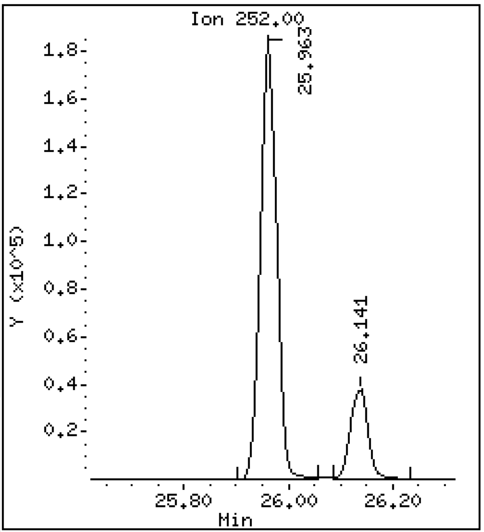
76 Benzo(a)pyrene Concentration: 5.014 ug/mL

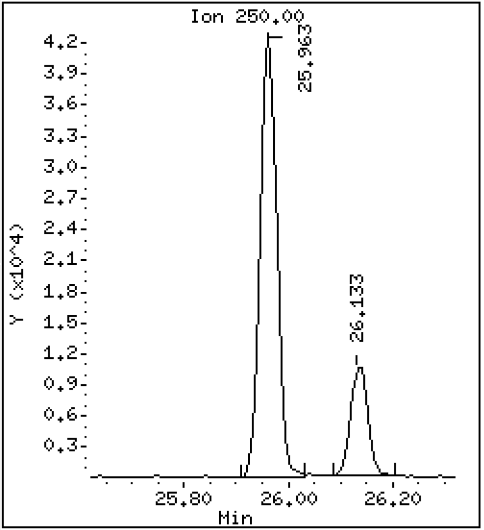


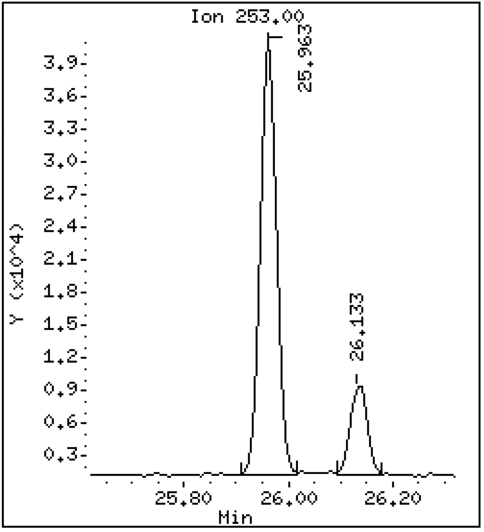












Data File: \\target\share\chem3\nt14.i\20221230C.b\NT1422123083.D

Date : 01-JAN-2023 09:41

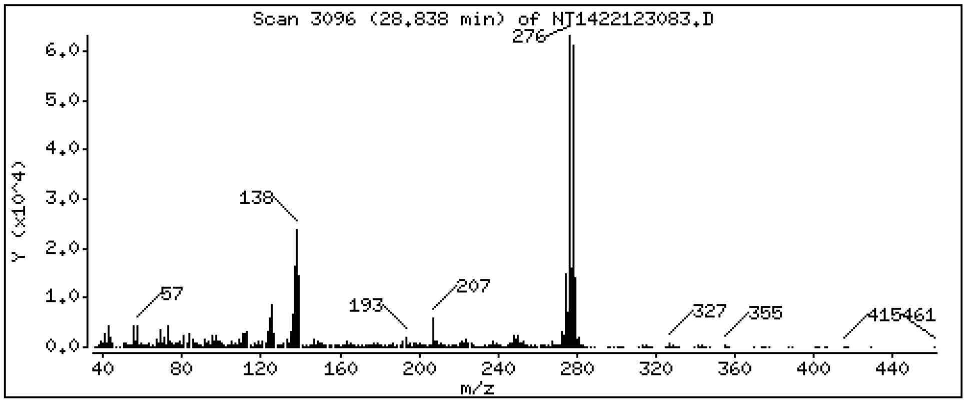
Client ID: Instrument: nt14.i

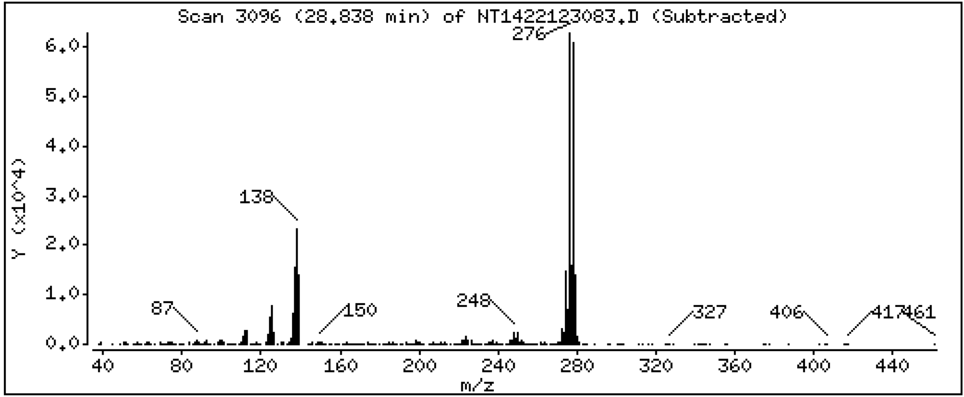
Sample Info: SKL0355-CCV1

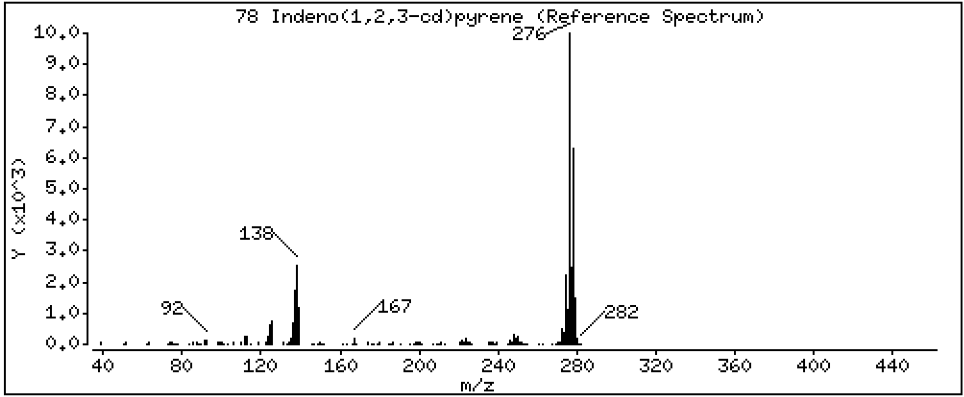
Operator: VTS

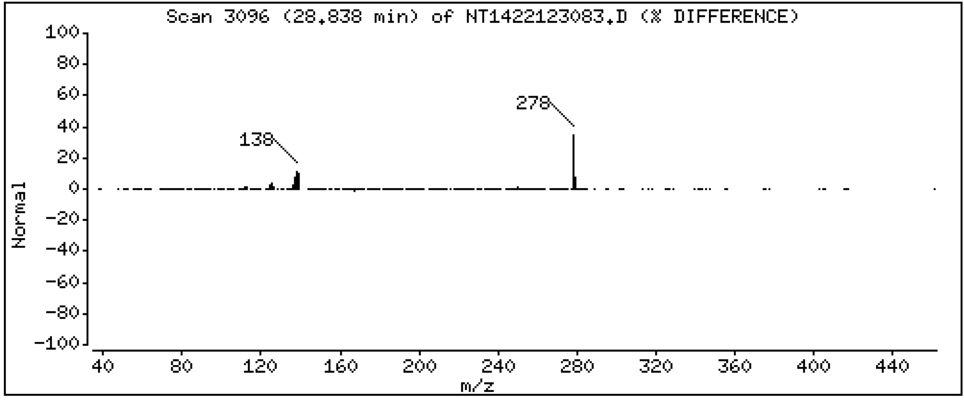
Column phase: ZB-5msi Column diameter: 0.25

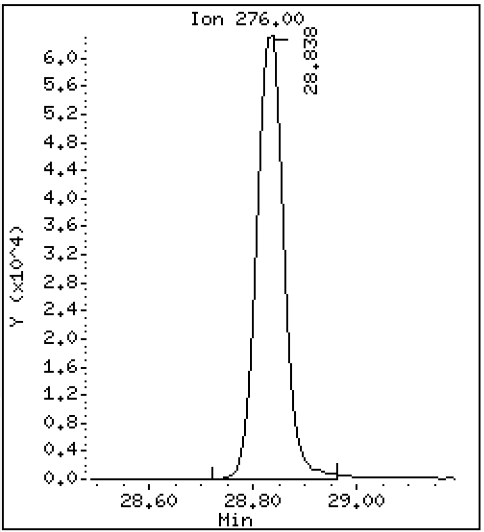
78 Indeno(1,2,3-cd)pyrene Concentration: 2.570 ug/mL

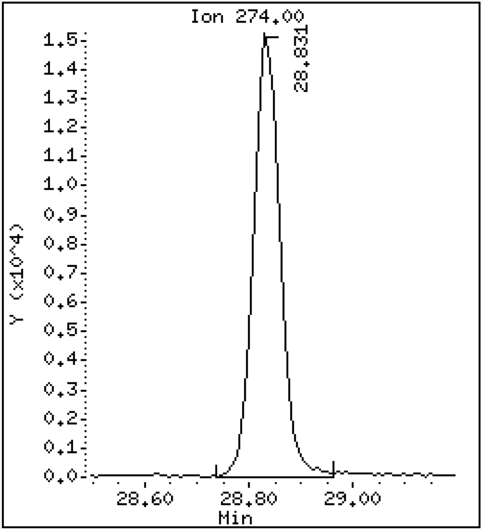


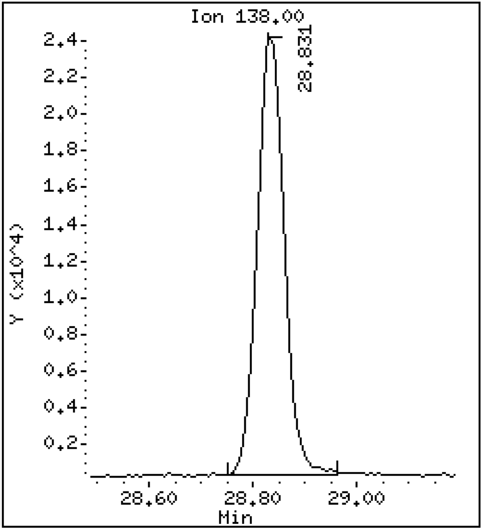












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Date : 01-JAN-2023 09:41

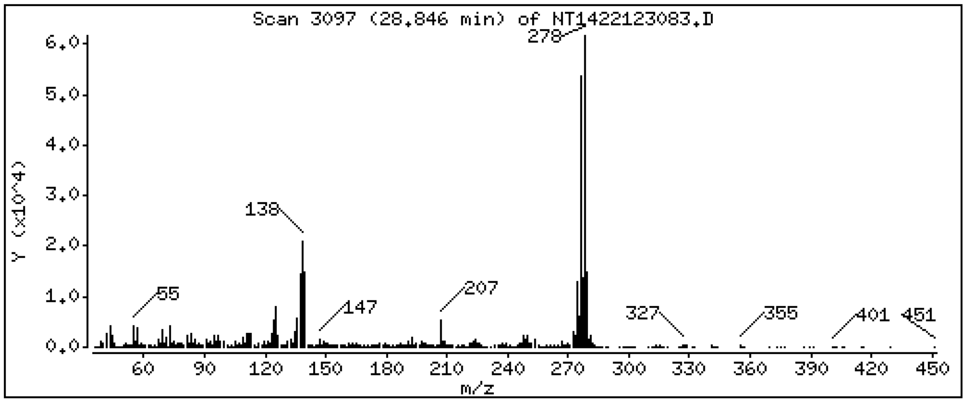
Client ID: Instrument: nt14.i

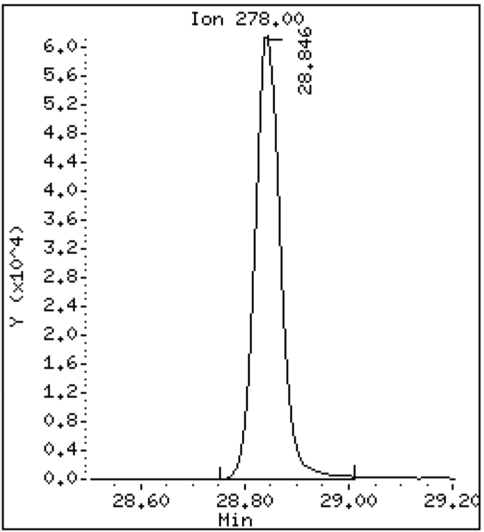
Sample Info: SKL0355-CCV1

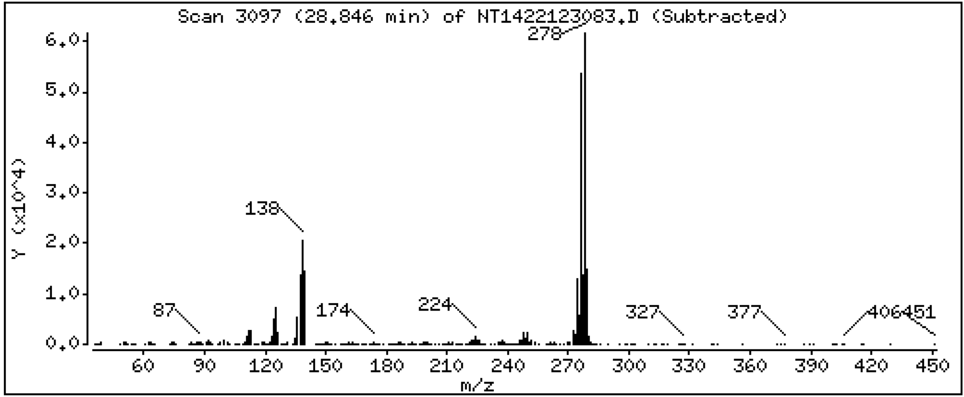
Operator: VTS

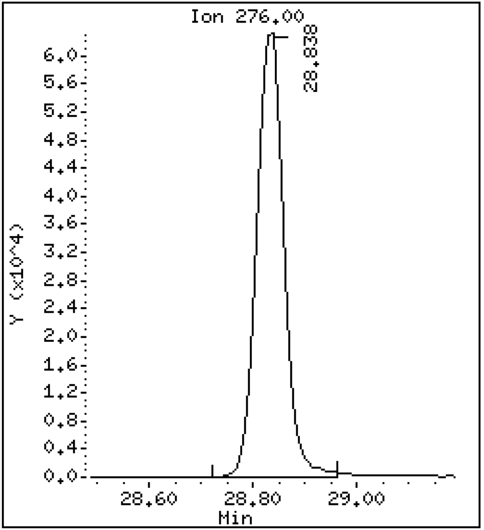
Column phase: ZB-5msi Column diameter: 0.25

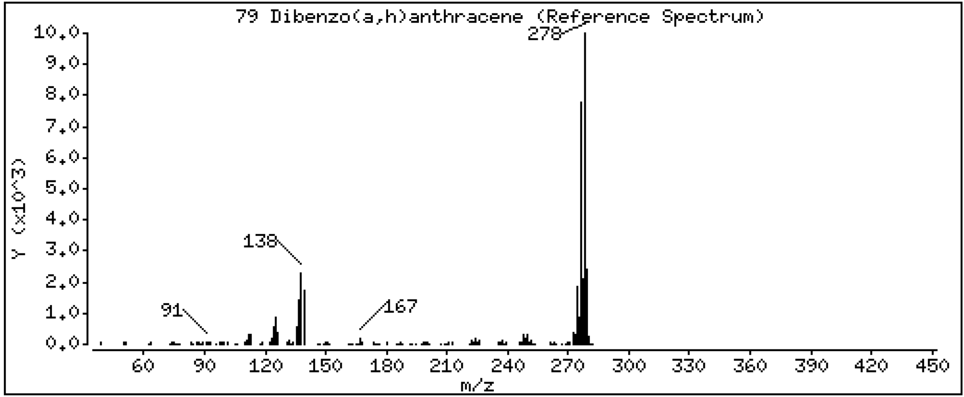
79 Dibenzo(a,h)anthracene Concentration: 2.747 ug/mL

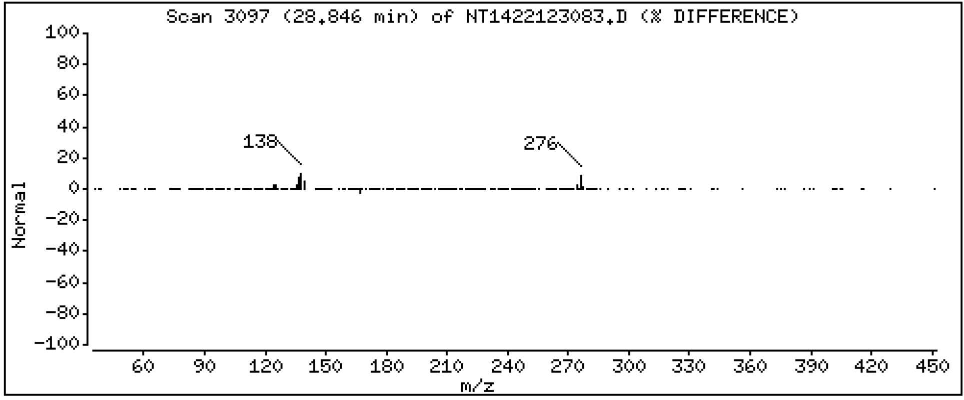


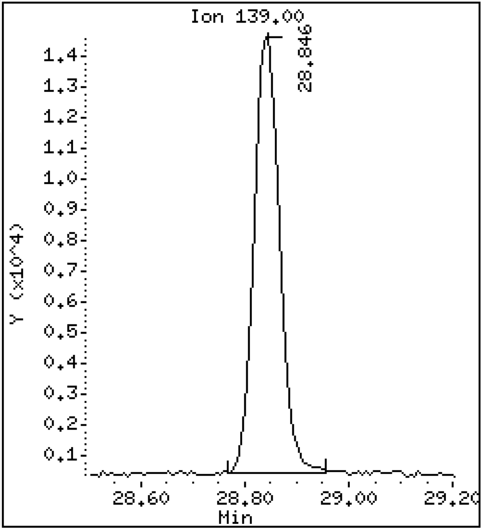












Date : 01-JAN-2023 09:41

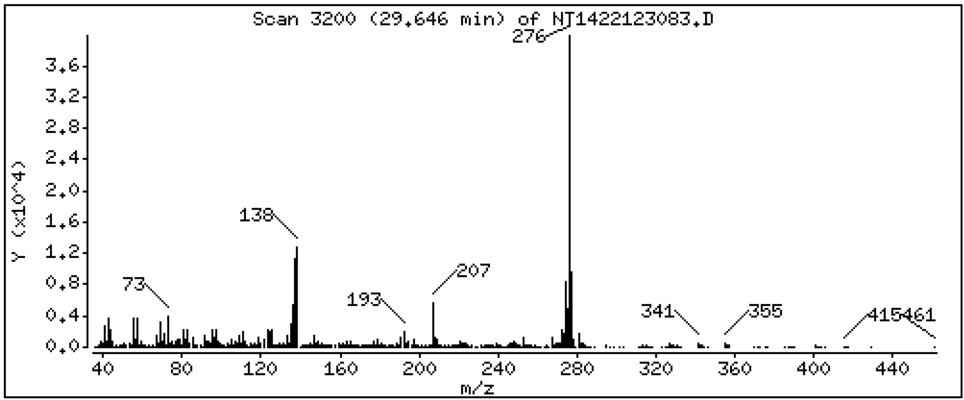
Client ID: Instrument: nt14.i

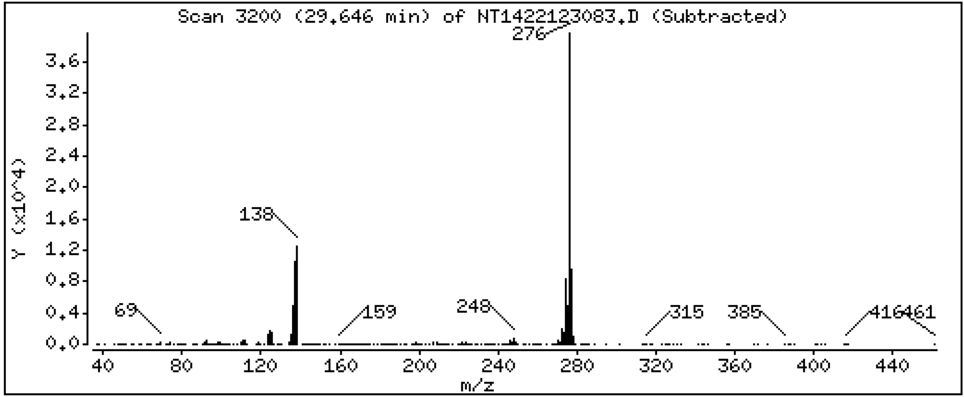
Sample Info: SKL0355-CCV1

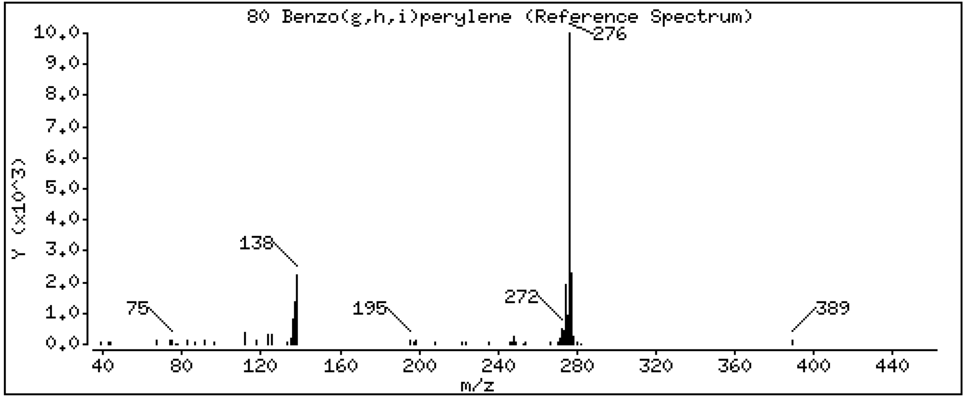
Operator: VTS

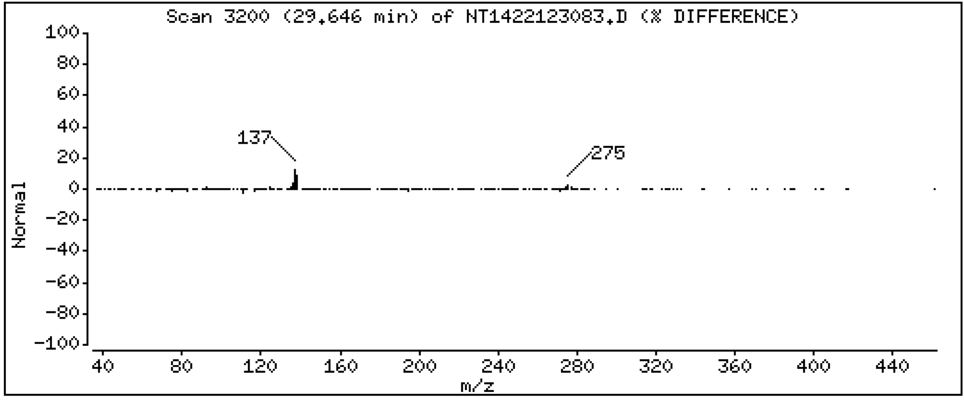
Column phase: ZB-5msi Column diameter: 0.25

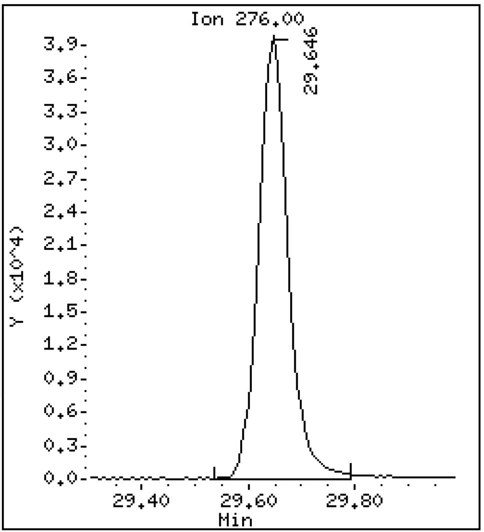
80 Benzo(g,h,i)perylene Concentration: 2.081 ug/mL

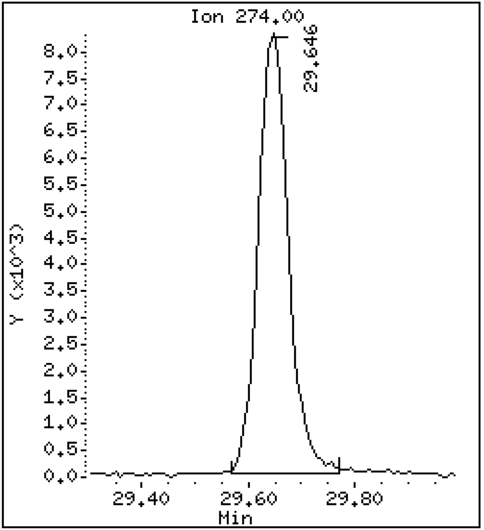

Scan 3200 (29.646 min) of NT1422123083.D


Scan 3200 (29.646 min) of NT1422123083.D (Subtracted)


80 Benzo(g,h,i)perylene (Reference Spectrum)


Scan 3200 (29.646 min) of NT1422123083.D (% DIFFERENCE)


Ion 276.00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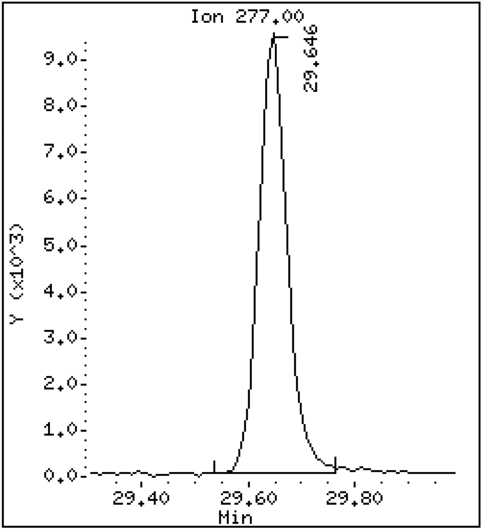

Ion 277.00

Data File: \\target\share\chem3\nt14.i\20221230C.b\NT1422123083.D

Date : 01-JAN-2023 09:41

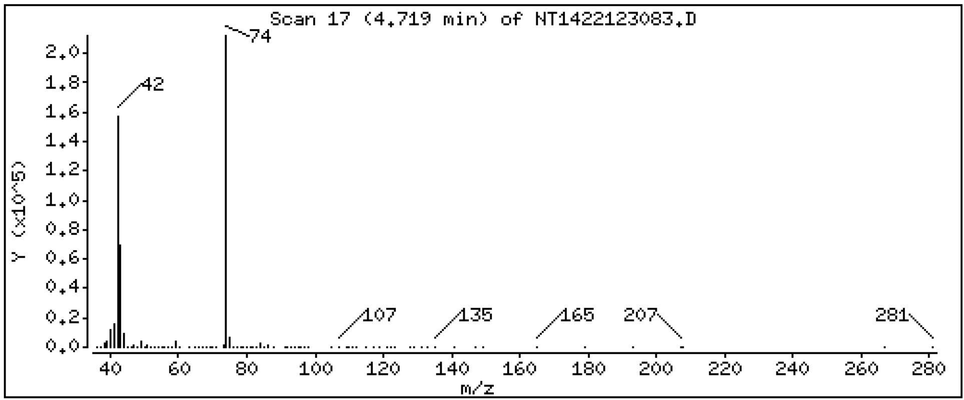
Client ID: Instrument: nt14.i

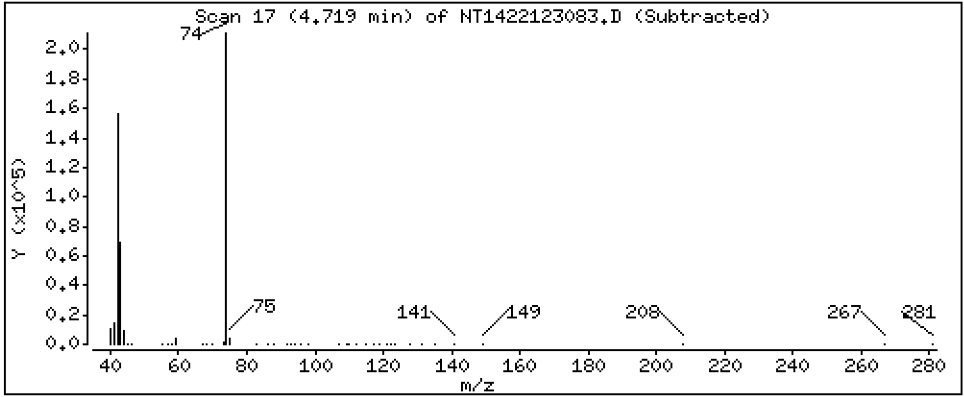
Sample Info: SKL0355-CCV1

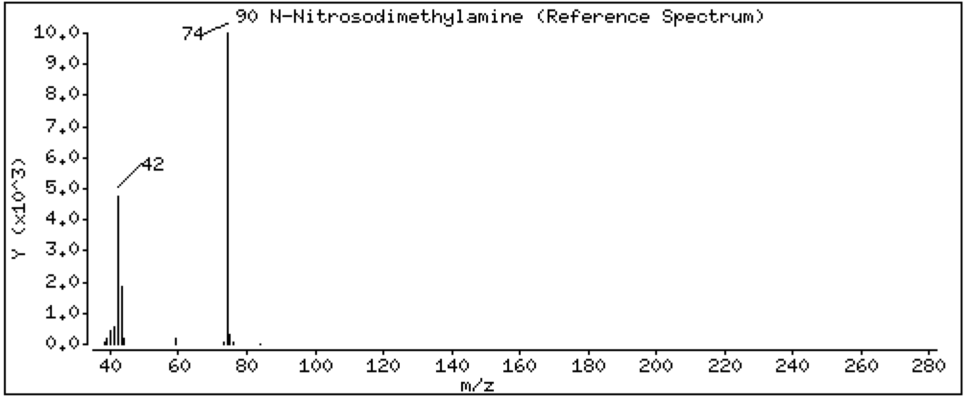
Operator: VTS

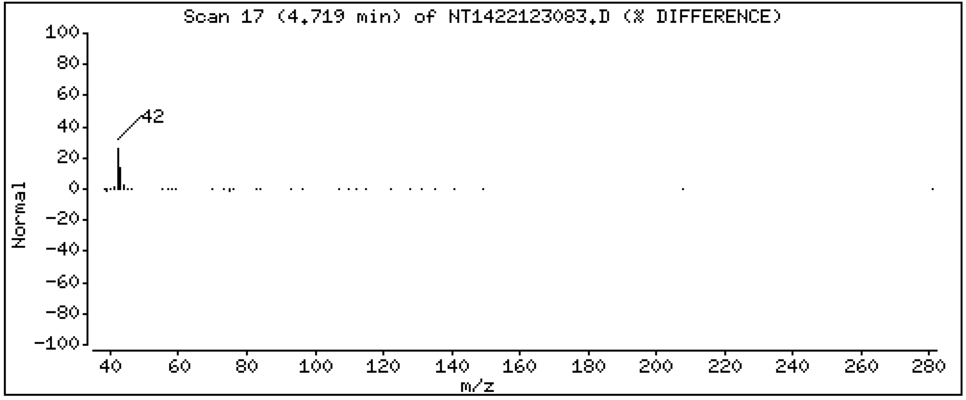
Column phase: ZB-5msi Column diameter: 0.25

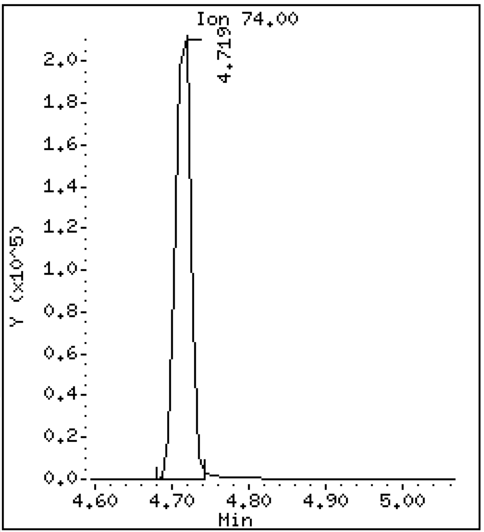
90 N-Nitrosodimethylamine Concentration: 9.625 ug/mL

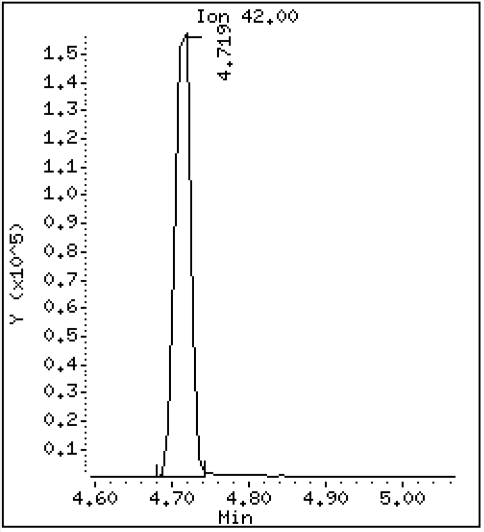












Data File: \\target\share\chem3\nt14.i\20221230C.b\NT1422123083.D

Date : 01-JAN-2023 09:41

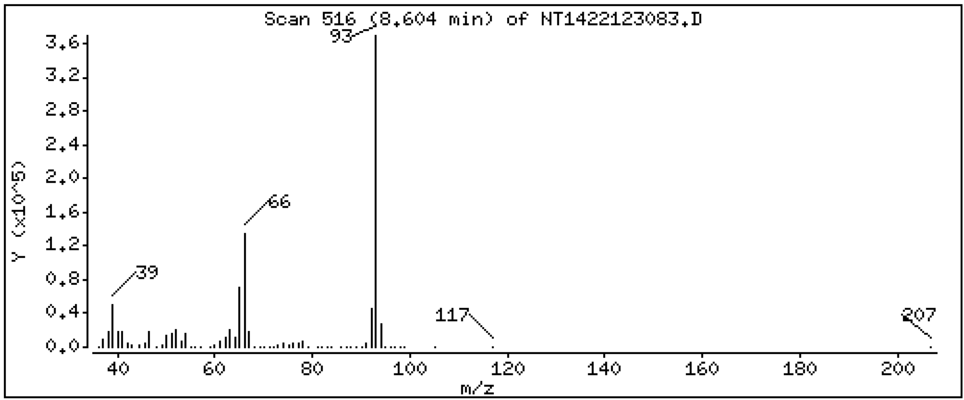
Client ID: Instrument: nt14.i

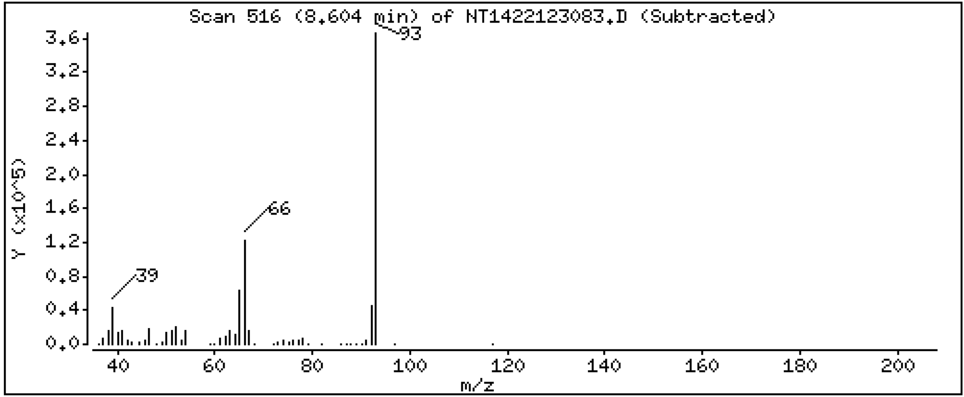
Sample Info: SKL0355-CCV1

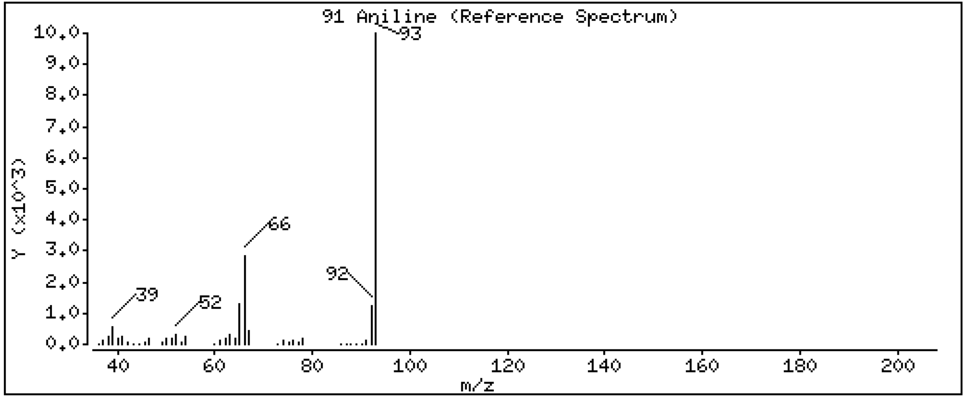
Operator: VTS

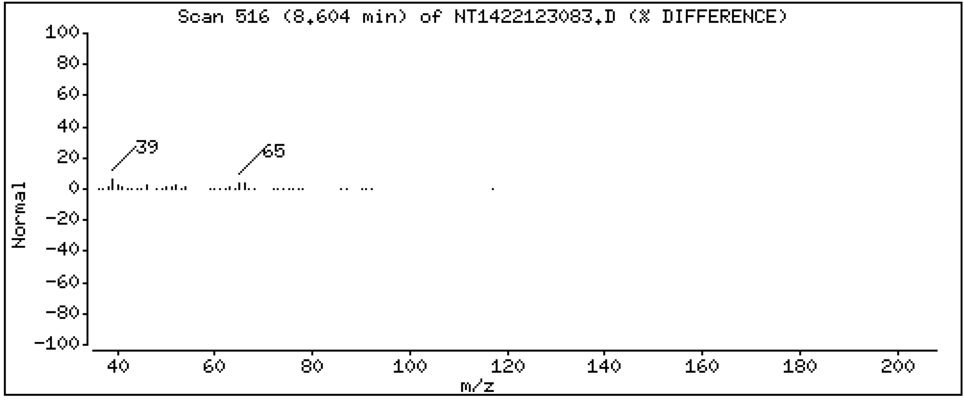
Column phase: ZB-5msi Column diameter: 0.25

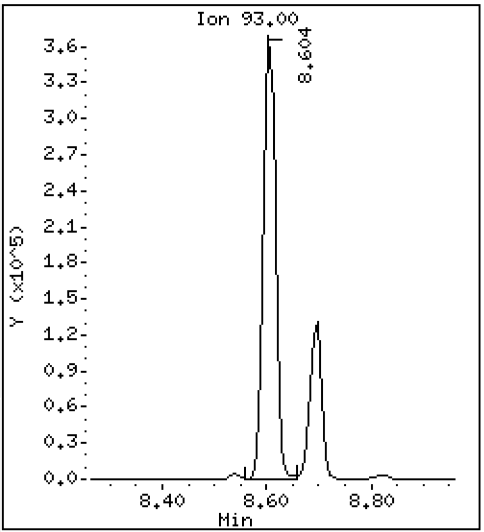
91 Aniline Concentration: 9.483 ug/mL

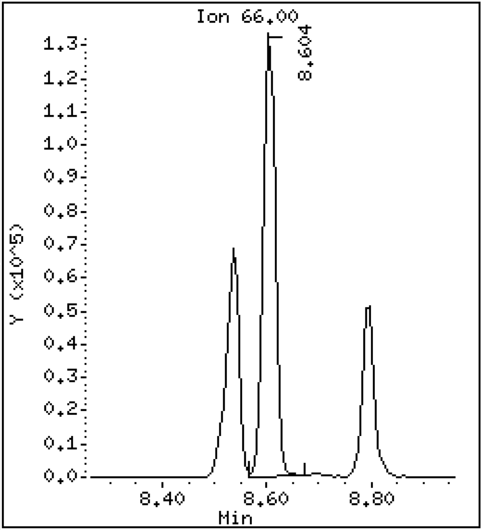

Scan 516 (8.604 min) of NT1422123083.D


Scan 516 (8.604 min) of NT1422123083.D (Subtracted)


91 Aniline (Reference Spectrum)


Scan 516 (8.604 min) of NT1422123083.D (% DIFFERENCE)


Ion 93.00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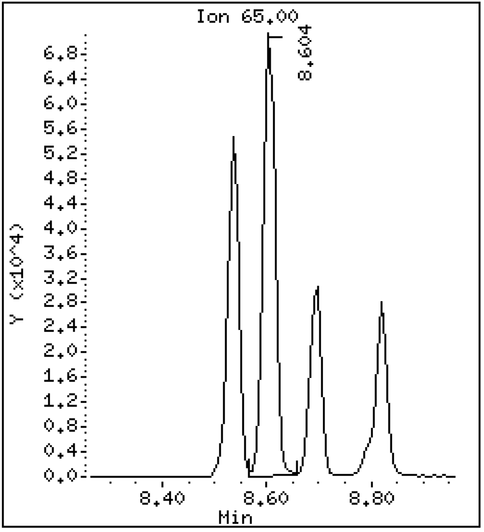

Ion 65.00

Data File: \\target\share\chem3\nt14.i\20221230C.b\NT1422123083.D

Date : 01-JAN-2023 09:41

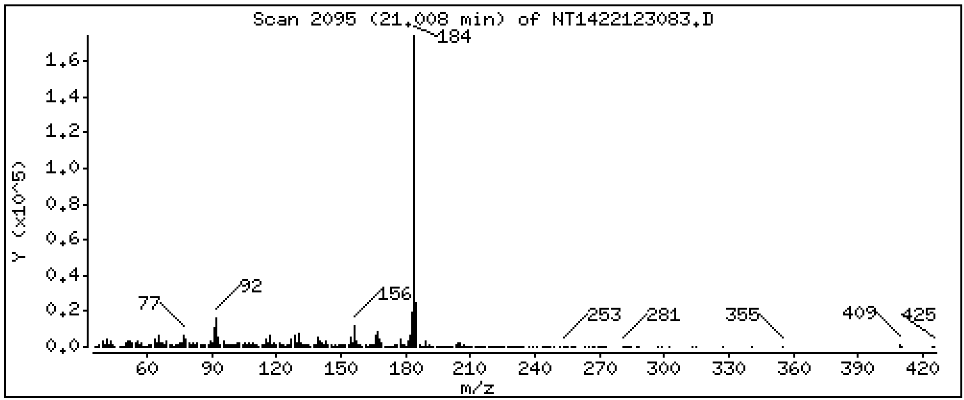
Client ID: Instrument: nt14.i

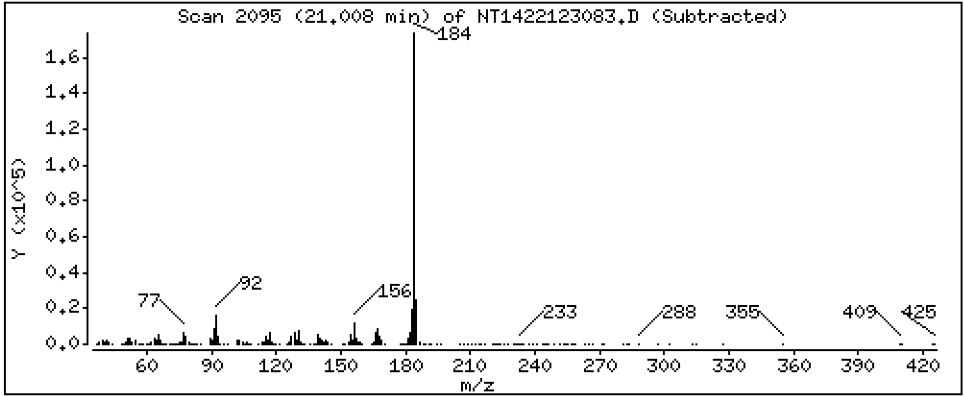
Sample Info: SKL0355-CCV1

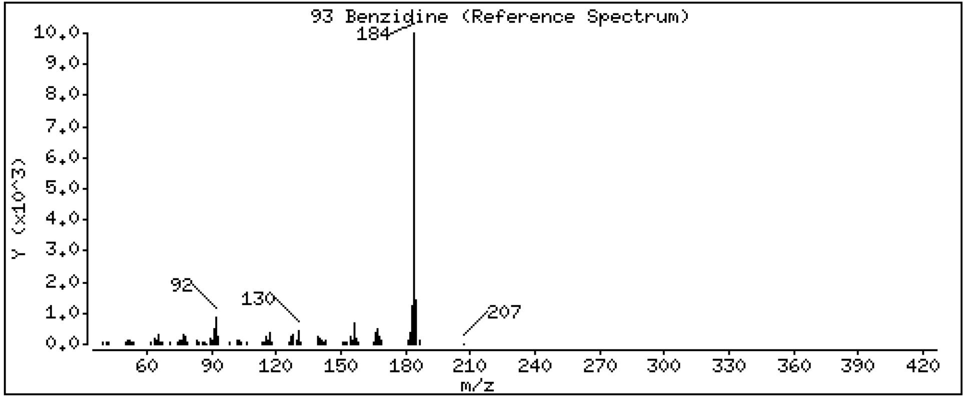
Operator: VTS

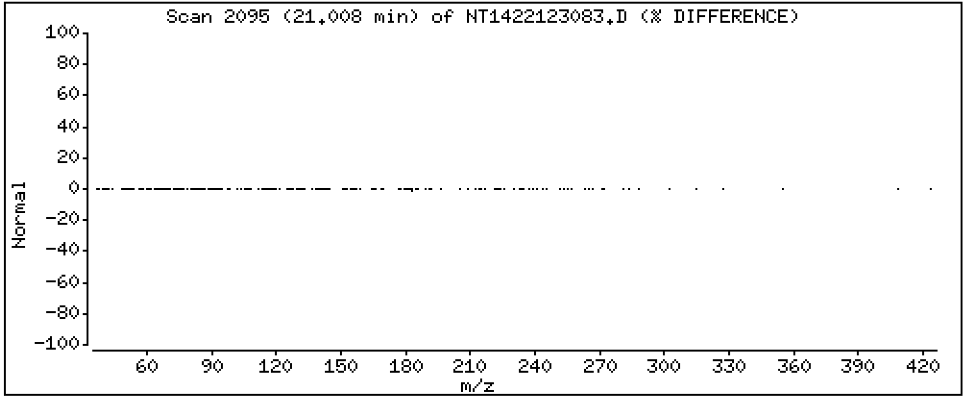
Column phase: ZB-5msi Column diameter: 0.25

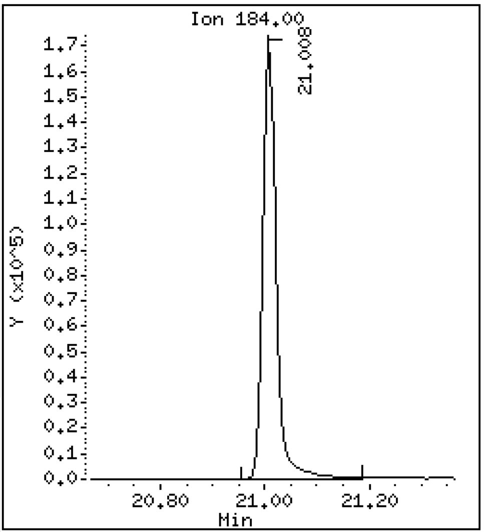
93 Benzidine Concentration: 5.898 ug/mL

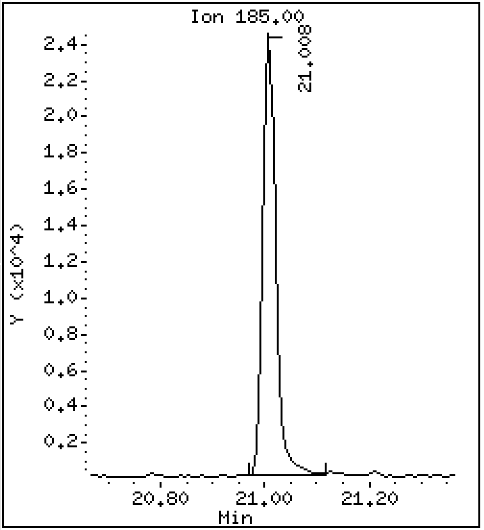


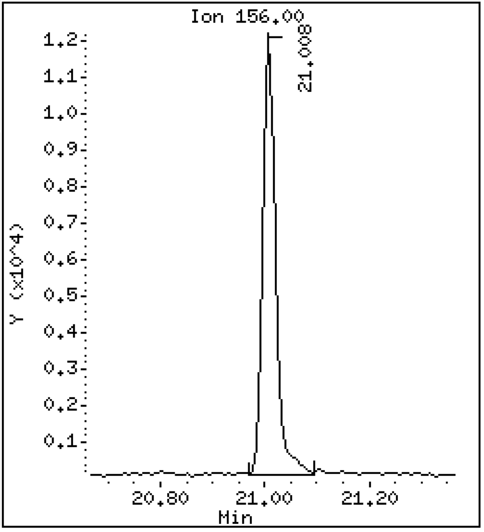












Data File: \\target\share\chem3\nt14.i\20221230C.b\NT1422123083.D

Date : 01-JAN-2023 09:41

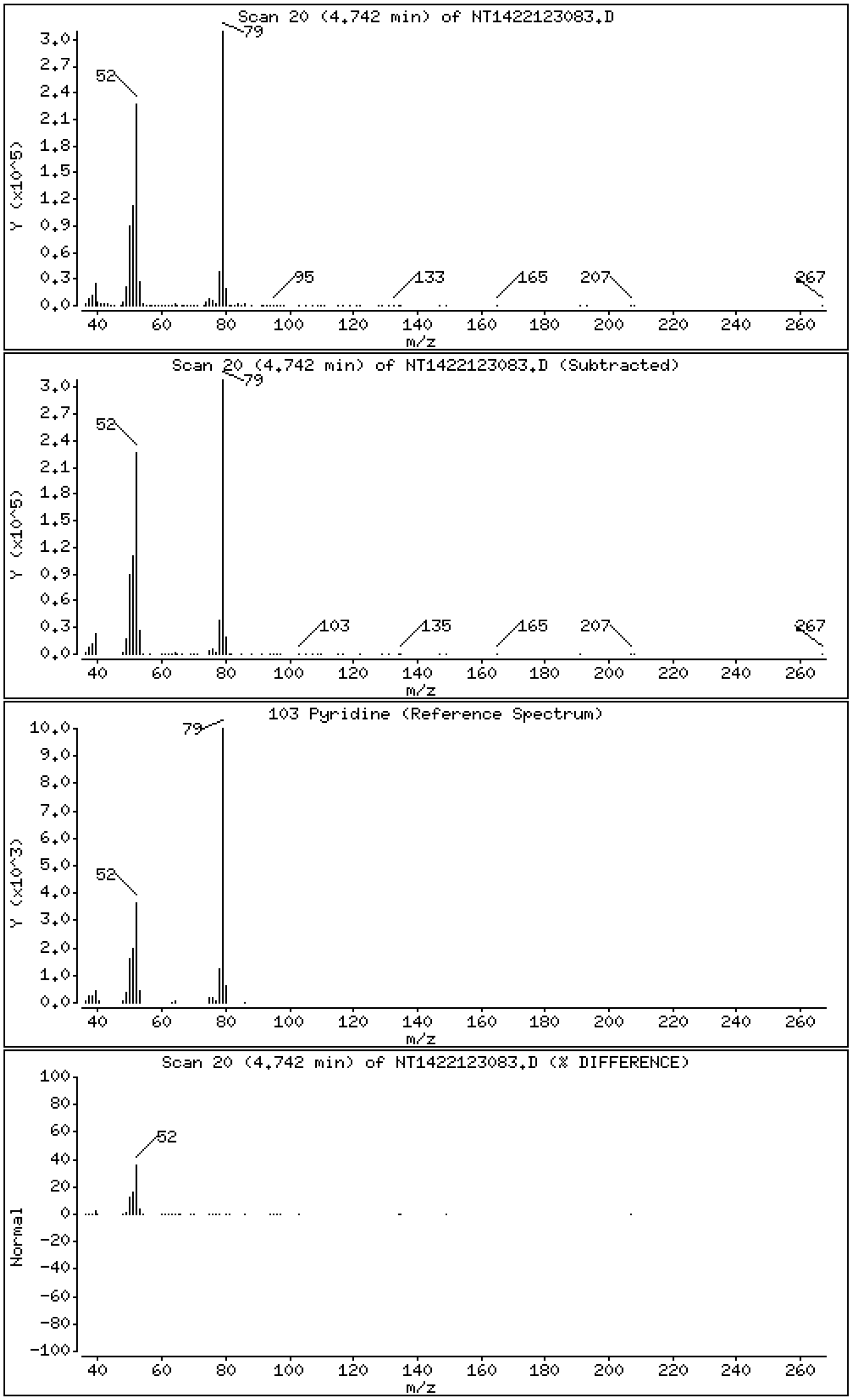
Client ID: Instrument: nt14.i

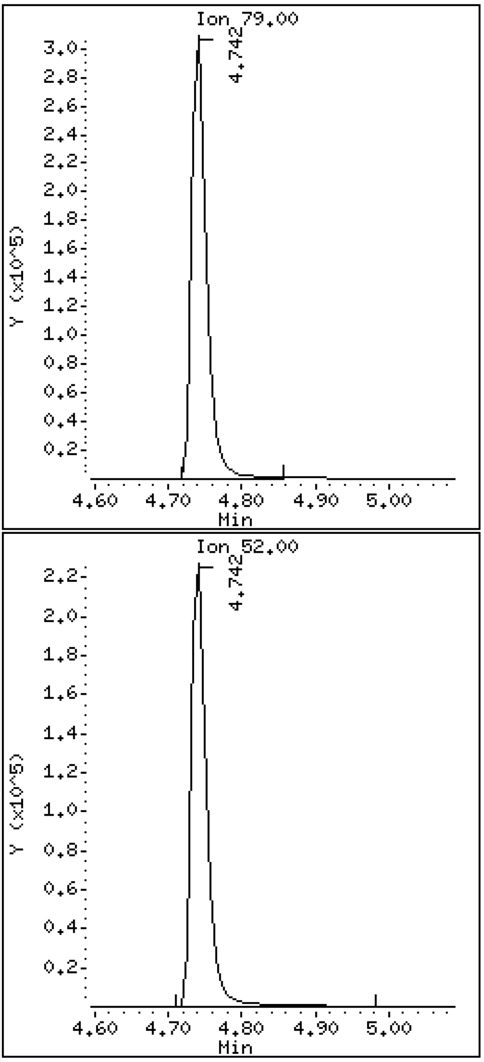
Sample Info: SKL0355-CCV1

Operator: VTS

Column phase: ZB-5msi Column diameter: 0.25

103 Pyridine Concentration: 4.600 ug/mL





Date : 01-JAN-2023 09:41

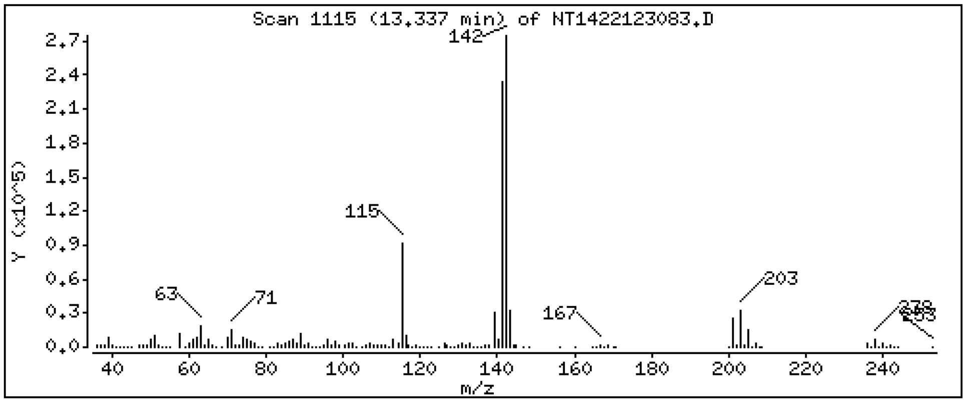
Client ID: Instrument: nt14.i

Sample Info: SKL0355-CCV1

Operator: VTS

Column phase: ZB-5msi Column diameter: 0.25

105 1-methylnaphthalene Concentration: 4.806 ug/mL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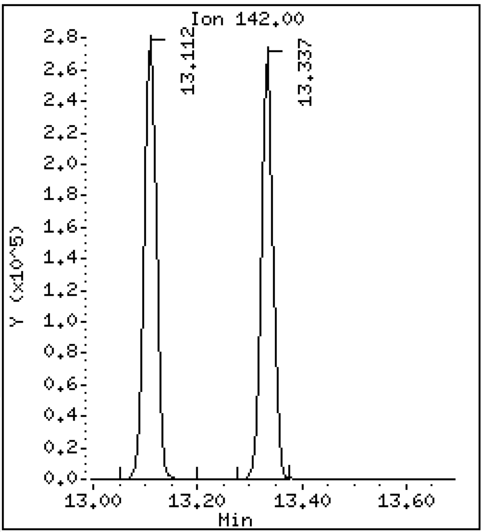
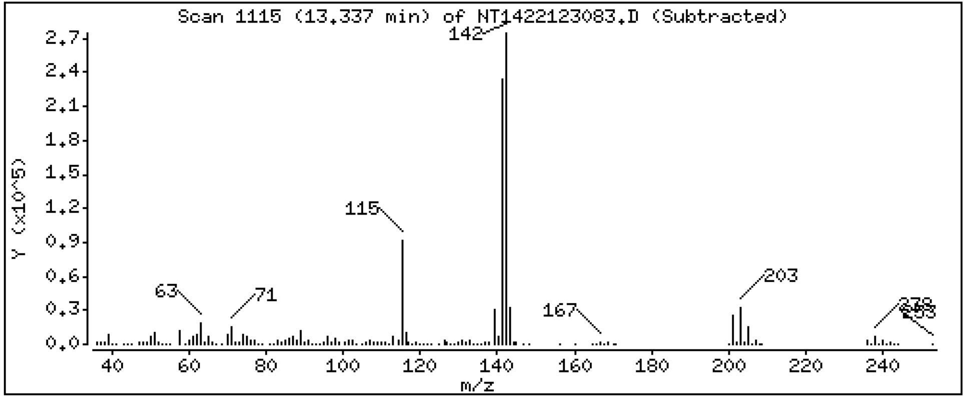
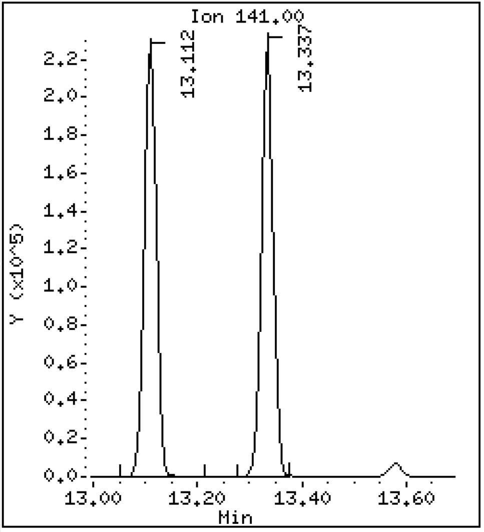
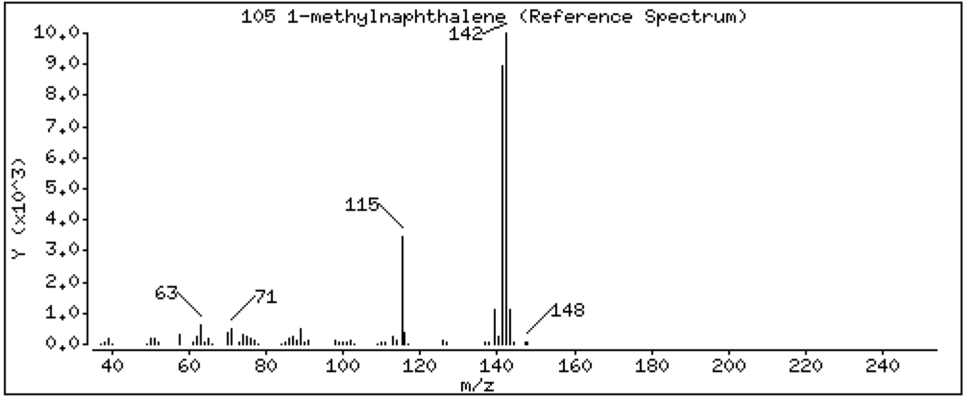
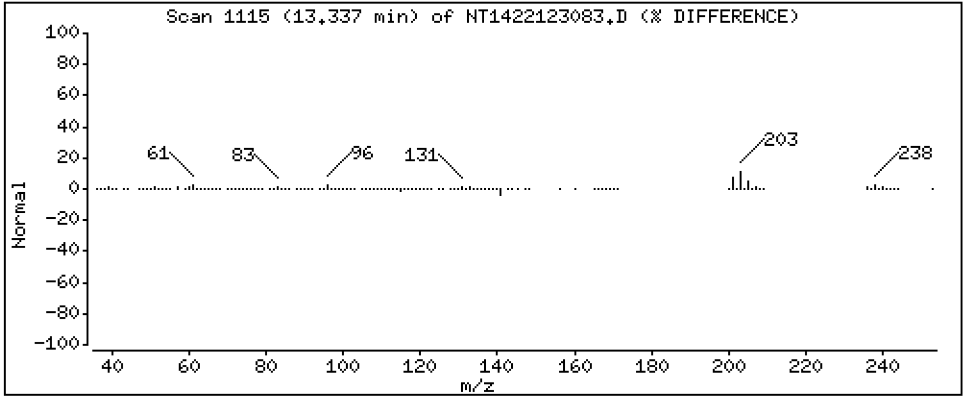

Ion 142.00


Scan 1115 (13.337 min) of NT1422123083.D (Subtracted)


Ion 141.00


105 1-methylnaphthalene (Reference Spectrum)


Scan 1115 (13.337 min) of NT1422123083.D (% DIFFERENCE)

Data File: \\target\share\chem3\nt14.i\20221230C.b\NT1422123083.D

Date : 01-JAN-2023 09:41

Client ID:

Instrument: nt14.i

Sample Info: SKL0355-CCV1

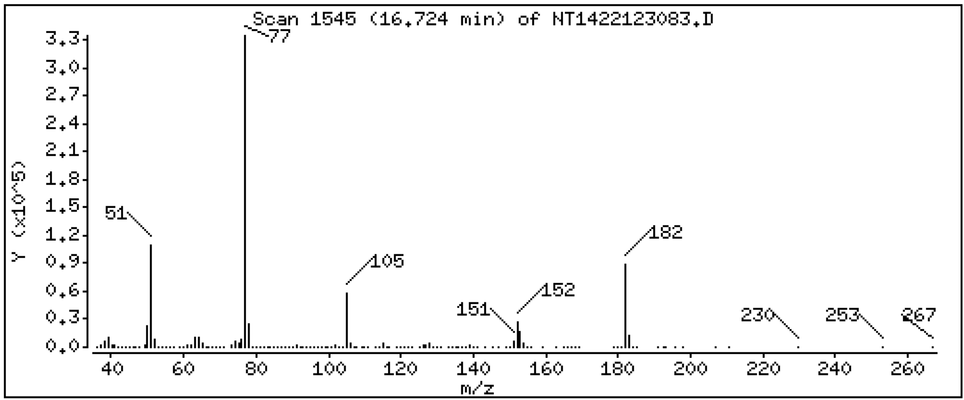
Operator: VTS

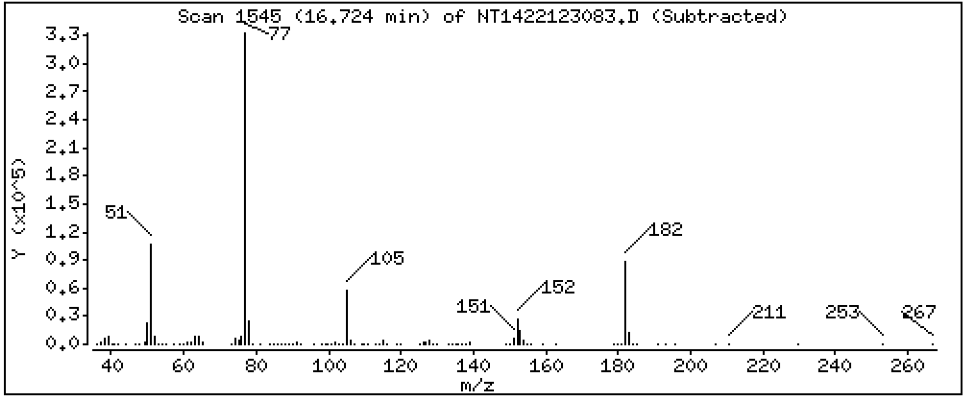
Column phase: ZB-5msi

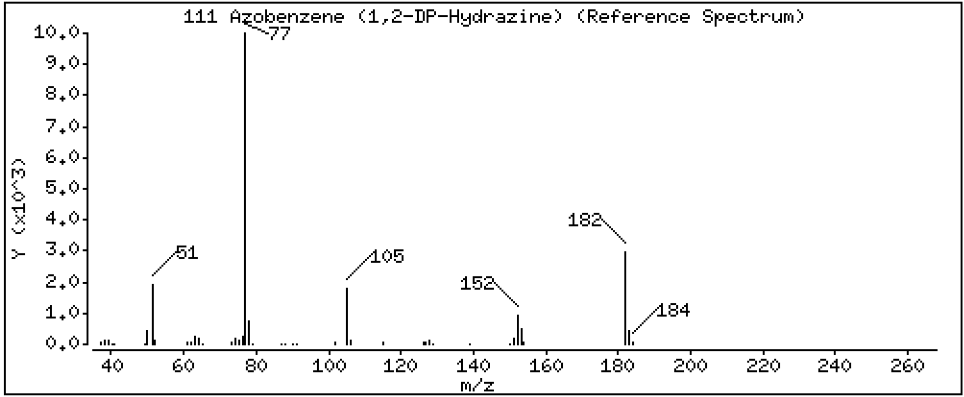
Column diameter: 0.25

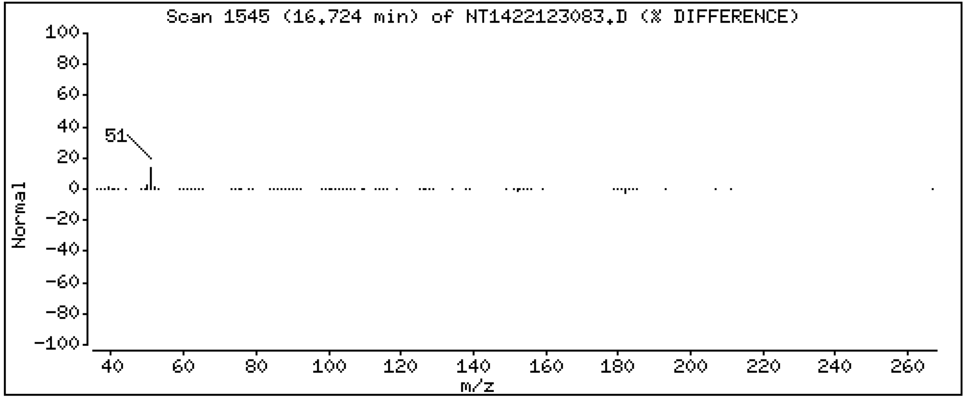
111 Azobenzene (1,2-DP-Hydrazine)

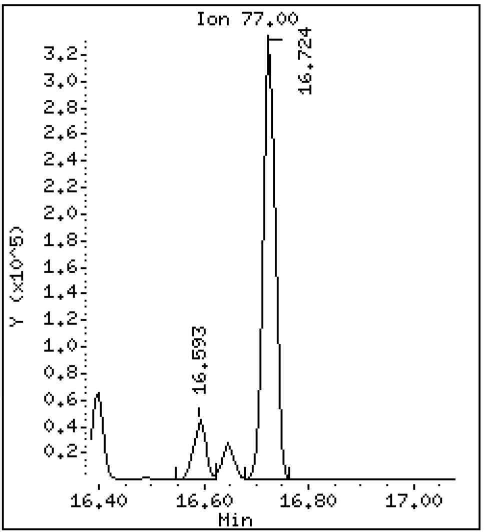
Concentration: 5.023 ug/mL

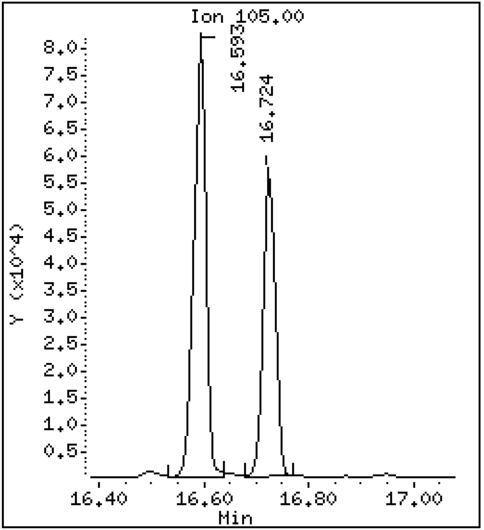


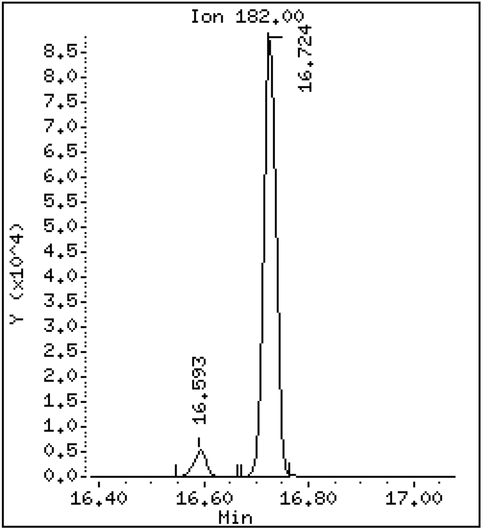












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Date : 01-JAN-2023 09:41

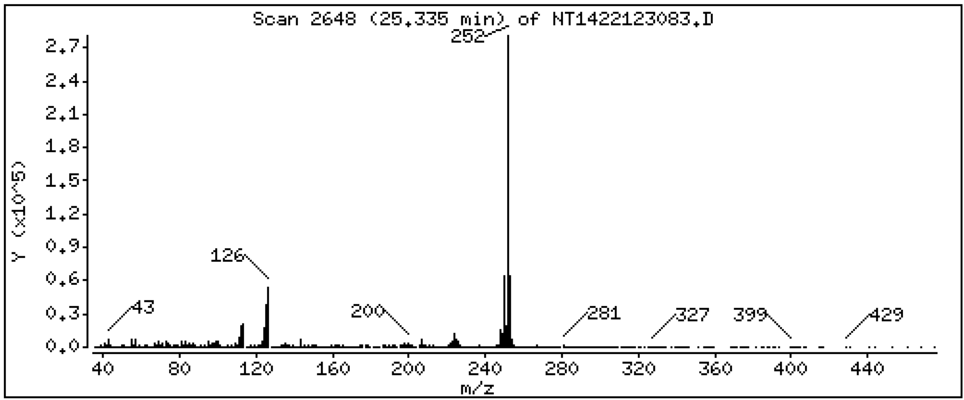
Client ID: Instrument: nt14.i

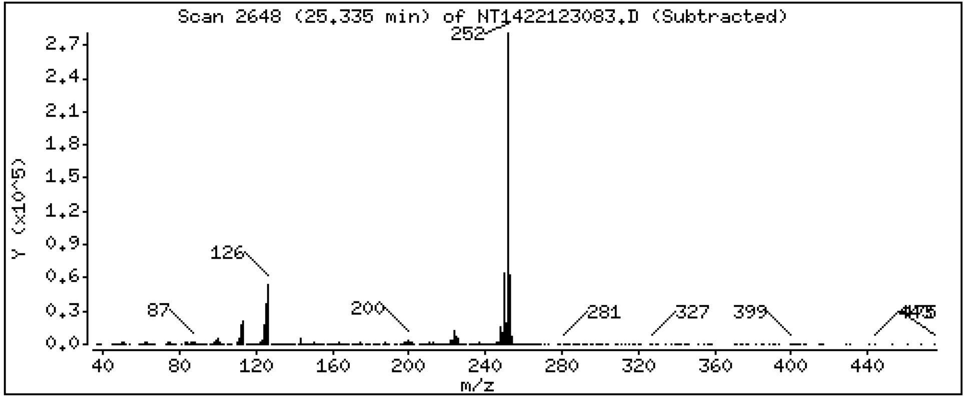
Sample Info: SKL0355-CCV1

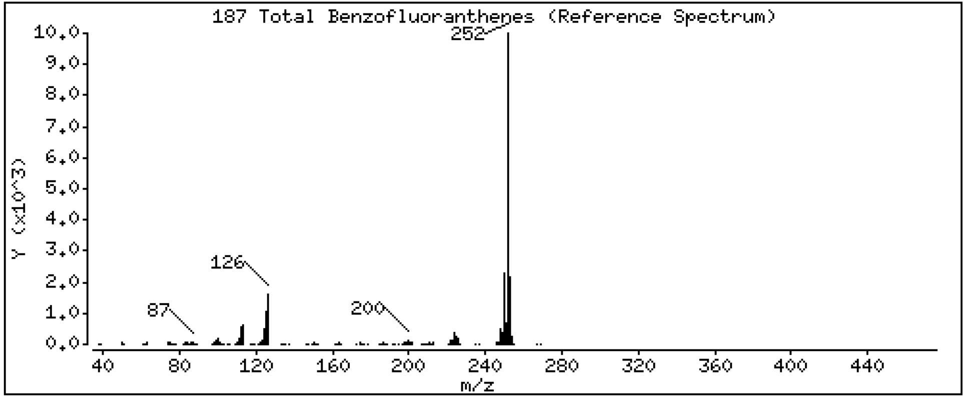
Operator: VTS

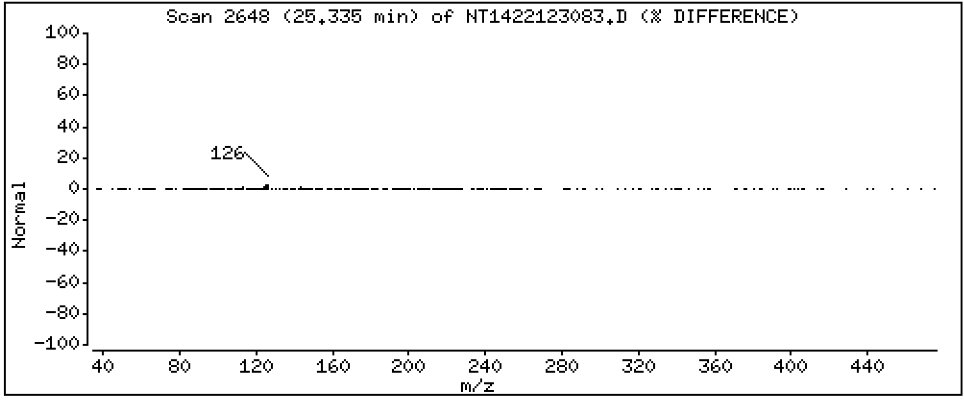
Column phase: ZB-5msi Column diameter: 0.25

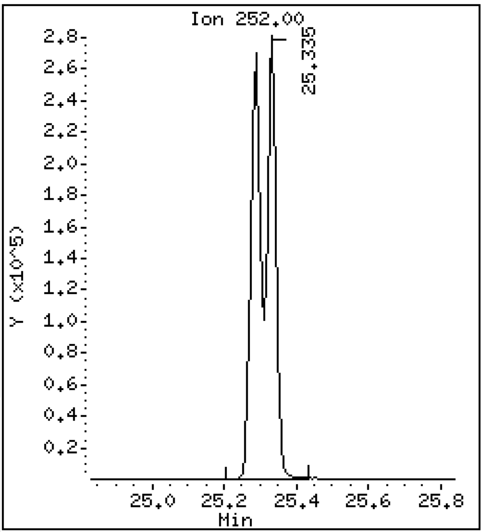
187 Total Benzofluoranthenes Concentration: 10.88 ug/mL

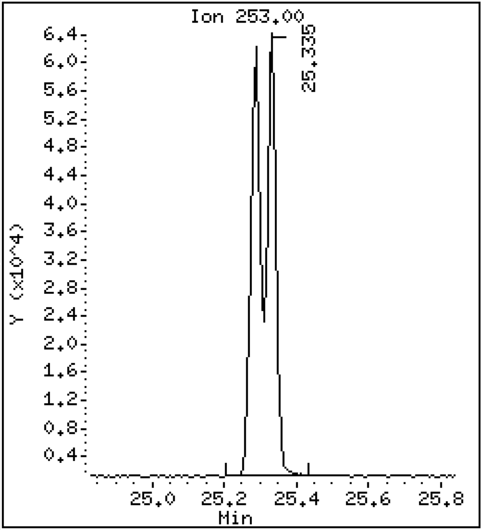


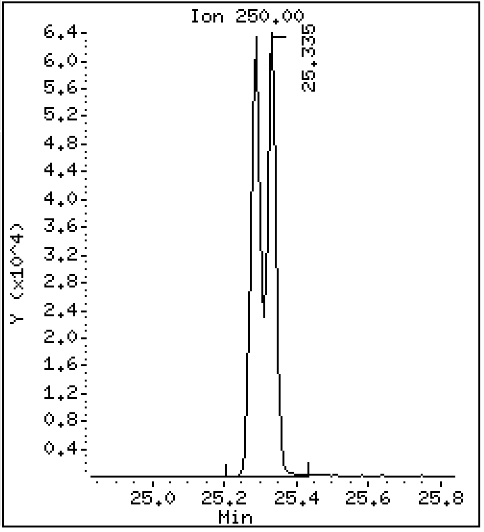












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Date : 01-JAN-2023 09:41

Client ID:

Instrument: nt14.i

Sample Info: SKL0355-CCV1

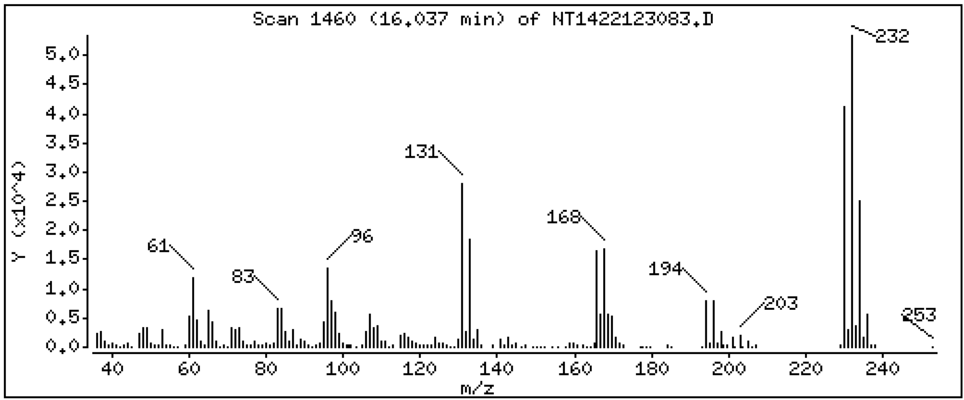
Operator: VTS

Column phase: ZB-5msi

Column diameter: 0.25

120 2,3,4,6-Tetrachlorophenol

Concentration: 4.218 ug/mL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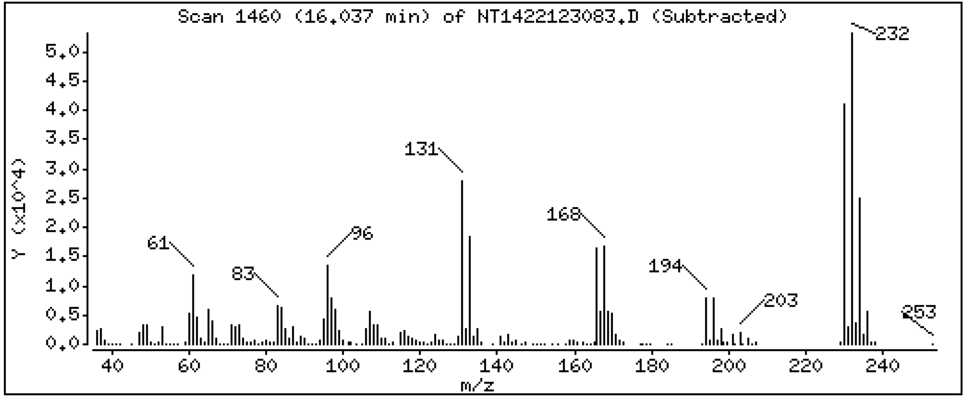
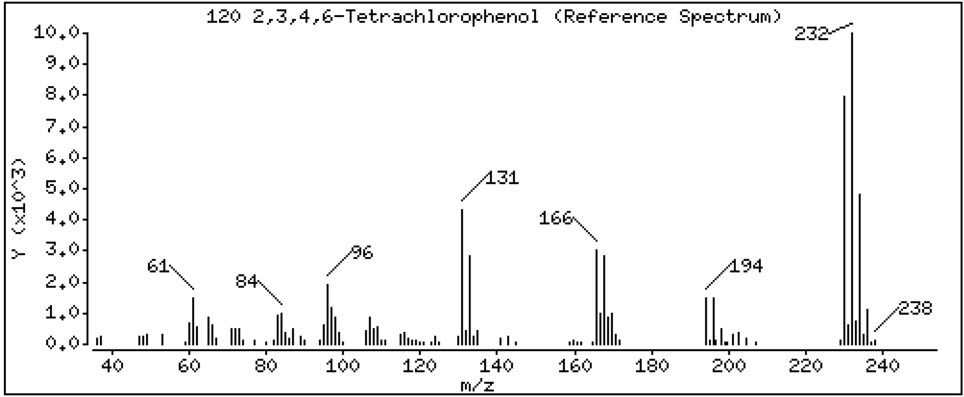
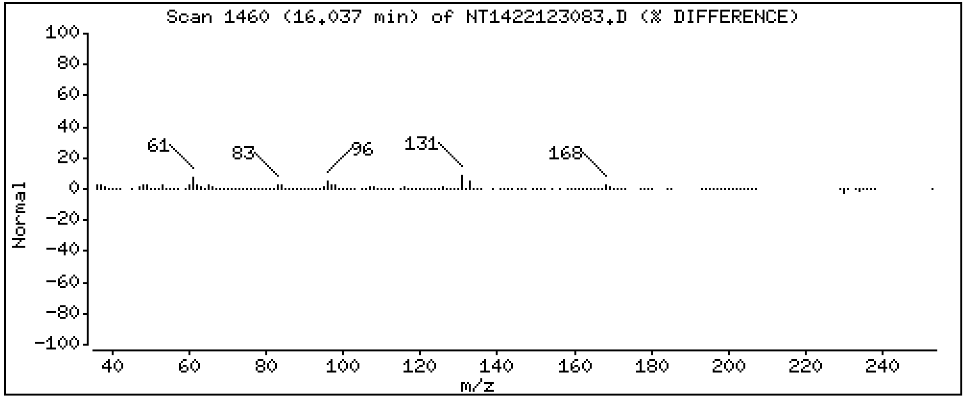

Scan 1460 (16.037 min) of NT1422123083.D (Subtracted)


120 2,3,4,6-Tetrachlorophenol (Reference Spectrum)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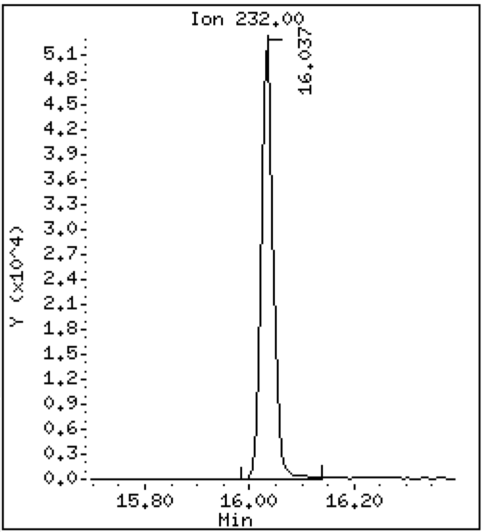
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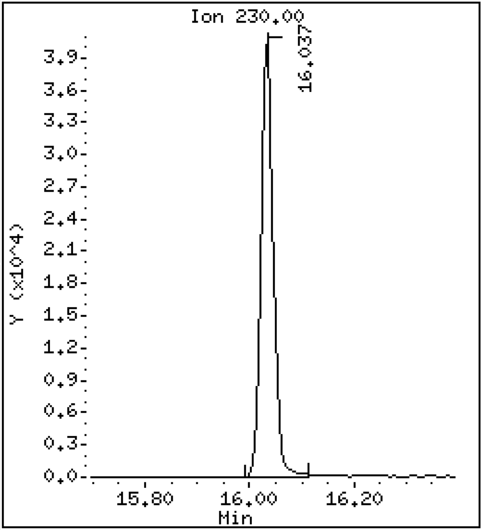
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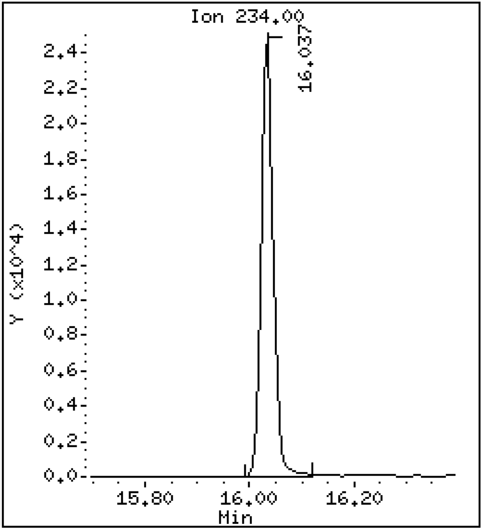
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Report Date: 04-Jan-2023 14:27



                              ARI Labs, Inc.

                  Semivolatile Report SW846 Method 8270D
Data file : \\target\share\chem3\nt14.i\20221230C.b\NT1422123083.D
Lab Smp Id: SKL0355-CCV1
Inj Date  : 01-JAN-2023 09:41           MS Autotune Date: 17-MAY-2011 01:22
Operator  : VTS                         Inst ID: nt14.i
Smp Info  : SKL0355-CCV1
Misc Info :
Comment   : 1ul Injection
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Meth Date : 04-Jan-2023 09:32 van       Quant Type: ISTD
Cal Date  : 30-DEC-2022 11:07           Cal File: NT1422123007.D
Als bottle: 2
Dil Factor: 1.00000
Integrator: HP RTE                      Compound Sublist: ICAL.sub
Target Version:  4.14
Processing Host: VANS-201906


                                                                                   CONCENTRATIONS
                                    QUANT SIG                                   ON-COLUMN    FINAL
Compounds                             MASS         RT    EXP RT   REL RT  RESPONSE    (ug/mL)     (ug/mL)
==========================            ====        ==== ======== ======== ========    =======     =======
$   1 2-Fluorophenol                   112       6.911    6.919 (0.755)    317954    7.41864       7.419
$   2 Phenol-d5                         99       8.511    8.519 (0.929)    395412    7.46544       7.465
    3 Phenol                            94       8.534    8.542 (0.932)    279794    4.64897       4.649
$   5 2-Chlorophenol-d4                132       8.797    8.797 (0.960)    330483    7.42944       7.429
    4 Bis(2-Chloroethyl)ether           93       8.696    8.696 (0.949)    189850    4.57926       4.579
    6 2-Chlorophenol                   128       8.820    8.827 (0.963)    230007    4.70814       4.708
    7 1,3-Dichlorobenzene              146       9.091    9.098 (0.992)    238135    4.59690       4.597
*   8 1,4-Dichlorobenzene-d4           152       9.160    9.160 (1.000)    133778    4.00000
    9 1,4-Dichlorobenzene              146       9.191    9.191 (1.003)    225112    4.58694       4.587
$  10 1,2-Dichlorobenzene-d4           152       9.525    9.525 (1.040)    142874    4.69933       4.699
   12 1,2-Dichlorobenzene              146       9.548    9.556 (1.042)    221006    4.59183       4.592
   11 Benzyl alcohol                   108       9.432    9.440 (1.030)    130202    4.85961       4.860
   14 2,2'-oxybis(1-Chloropropane)     121       9.727    9.735 (1.062)     59927    4.29457       4.295(M)
   13 2-Methylphenol                   108       9.657    9.665 (1.054)    209744    4.79607       4.796
   17 Hexachloroethane                 117      10.146   10.154 (1.108)     78936    4.37321       4.373
   16 N-Nitroso-di-n-propylamine        70       9.991    9.998 (1.091)    136994    5.14232       5.142
   15 4-Methylphenol                   108       9.929    9.936 (1.084)    225049    4.87814       4.878
$  18 Nitrobenzene-d5                   82      10.255   10.262 (0.879)    220294    5.25640       5.256
   19 Nitrobenzene                      77      10.293   10.301 (0.882)    206381    4.95846       4.958
   20 Isophorone                        82      10.744   10.751 (0.921)    282856    5.33213       5.332
   21 2-Nitrophenol                    139      10.930   10.937 (0.937)    142150    5.33356       5.334
   22 2,4-Dimethylphenol               107      10.984   10.992 (0.942)    411298    9.46810       9.468
   23 Bis(2-Chloroethoxy)methane        93      11.178   11.186 (0.958)    190221    4.60949       4.609
   24 Benzoic acid                     105      11.209   11.209 (0.961)    451965    16.4657       16.47
   25 2,4-Dichlorophenol               162      11.387   11.395 (0.976)    373973    10.2129       10.21
   26 1,2,4-Trichlorobenzene           180      11.581   11.581 (0.993)    175964    4.44426       4.444
*  27 Naphthalene-d8                   136      11.666   11.673 (1.000)    496301    4.00000
   28 Naphthalene                      128      11.704   11.712 (1.003)    552449    4.52317       4.523
   29 4-Chloroaniline                  127      11.828   11.835 (1.014)    497520    9.87747       9.877
   30 Hexachlorobutadiene              225      12.075   12.075 (1.035)     92289    4.69792       4.698
   31 4-Chloro-3-methylphenol          107      12.802   12.810 (1.097)    357102    10.3342       10.33
   32 2-Methylnaphthalene              142      13.112   13.120 (1.124)    427934    4.77650       4.777
   33 Hexachlorocyclopentadiene        237      13.576   13.584 (0.887)     73823    3.59434       3.594
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                                                                                          CONCENTRATIONS
                                      QUANT SIG                                         ON-COLUMN    FINAL
Compounds                               MASS           RT  EXP RT   REL RT RESPONSE      (ug/mL)     (ug/mL)
==========================              ====         ==== ======== ======== ========     =======    =======
   34 2,4,6-Trichlorophenol              196       13.739  13.739 (0.898)     235219    10.3721      10.37
   35 2,4,5-Trichlorophenol              196       13.816  13.816 (0.903)     259750    9.92421      9.924
$  36 2-Fluorobiphenyl                   172       13.894  13.901 (0.908)     425968    4.66291      4.663
   37 2-Chloronaphthalene                162       14.110  14.118 (0.922)     355975    4.58053      4.581
   38 2-Nitroaniline                      65       14.366  14.373 (0.939)     230219    11.2677      11.27
   39 Dimethylphthalate                  163       14.791  14.799 (0.967)     367075    4.79061      4.791
   40 Acenaphthylene                     152       14.985  14.993 (0.979)     597558    5.04276      5.043
   41 2,6-Dinitrotoluene                 165       14.931  14.938 (0.976)     175372    10.1416      10.14
*  42 Acenaphthene-d10                   164       15.302  15.310 (1.000)     271703    4.00000
   43 3-Nitroaniline                     138       15.225  15.225 (0.995)     203497    9.68226      9.682
   44 Acenaphthene                       153       15.372  15.371 (1.005)     339618    4.62086      4.621
   45 2,4-Dinitrophenol                  184       15.433  15.441 (1.009)     201396    13.3028      13.30
   46 Dibenzofuran                       168       15.696  15.704 (1.026)     497802    4.51660      4.517
   47 4-Nitrophenol                      109       15.549  15.557 (1.016)      94505    9.20145      9.201
   48 2,4-Dinitrotoluene                 165       15.750  15.750 (1.029)     234208    9.87157      9.872
   50 Diethylphthalate                   149       16.261  16.268 (1.063)     559670    5.37377      5.374
   49 Fluorene                           166       16.415  16.423 (1.073)     600716    5.12342      5.123
   51 4-Chlorophenyl-phenylether         204       16.400  16.407 (1.072)     282388    4.91943      4.919
   52 4-Nitroaniline                     138       16.500  16.500 (1.078)     232544    9.00330      9.003
   53 4,6-Dinitro-2-methylphenol         198       16.592  16.600 (0.904)     303918    16.4565      16.46
   54 N-Nitrosodiphenylamine             169       16.646  16.654 (0.907)     349395    4.79973      4.800
$  55 2,4,6-Tribromophenol               330       16.947  16.955 (1.108)      88986    6.74321      6.743
   56 4-Bromophenyl-phenylether          248       17.410  17.410 (0.949)     130215    4.72400      4.724
   57 Hexachlorobenzene                  284       17.727  17.734 (0.966)     137713    4.55263      4.553
   58 Pentachlorophenol                  266       18.083  18.090 (0.985)      82791    6.13040      6.130
*  59 Phenanthrene-d10                   188       18.353  18.361 (1.000)     424221    4.00000
   60 Phenanthrene                       178       18.400  18.408 (1.003)     498567    4.50755      4.508
   61 Anthracene                         178       18.493  18.500 (1.008)     518262    4.90821      4.908
   62 Carbazole                          167       18.818  18.825 (1.025)     484405    4.74546      4.745
   63 Di-n-butylphthalate                149       19.607  19.614 (1.068)     646156    5.36383      5.364
   64 Fluoranthene                       202       20.783  20.791 (0.888)     579163    4.61703      4.617
   65 Pyrene                             202       21.208  21.216 (0.906)     596174    4.52023      4.520
$  66 Terphenyl-d14                      244       21.487  21.495 (0.918)     400031    4.27757      4.278
   67 Butylbenzylphthalate               149       22.401  22.408 (0.957)     275908    5.43982      5.440
   68 Benzo(a)anthracene                 228       23.368  23.376 (0.999)     568721    4.81897      4.819
*  69 Chrysene-d12                       240       23.399  23.399 (1.000)     389585    4.00000
   70 3,3'-Dichlorobenzidine             252       23.314  23.322 (0.996)     609561    16.8723      16.87
   71 Chrysene                           228       23.438  23.446 (1.002)     526209    4.72033      4.720
   72 bis(2-Ethylhexyl)phthalate         149       23.423  23.430 (0.959)     372110    4.87023      4.870
* 134 Di-n-octylphthalate-d4             153       24.414  24.421 (1.000)     687974    4.00000
   73 Di-n-octylphthalate                149       24.429  24.429 (1.001)     709063    4.29363      4.294
   74 Benzo(b)fluoranthene               252       25.288  25.296 (0.970)     521340    5.55264      5.553
   75 Benzo(k)fluoranthene               252       25.335  25.335 (0.971)     511175    5.34917      5.349
   76 Benzo(a)pyrene                     252       25.962  25.970 (0.996)     391315    5.01357      5.014
*  77 Perylene-d12                       264       26.078  26.086 (1.000)     298756    4.00000
   78 Indeno(1,2,3-cd)pyrene             276       28.838  28.838 (1.106)     228030    2.57003      2.570
   79 Dibenzo(a,h)anthracene             278       28.846  28.853 (1.106)     207084    2.74656      2.747
   80 Benzo(g,h,i)perylene               276       29.646  29.653 (1.137)     154703    2.08134      2.081
   90 N-Nitrosodimethylamine              74        4.718   4.718 (0.515)     284104    9.62507      9.625
   91 Aniline                             93        8.604   8.611 (0.939)     555688    9.48271      9.483
   93 Benzidine                          184       21.007  21.015 (0.898)     288297    5.89835      5.898
  103 Pyridine                            79        4.741   4.741 (0.518)     431484    4.60040      4.600
  105 1-methylnaphthalene                142       13.336  13.344 (1.143)     413739    4.80634      4.806
  111 Azobenzene (1,2-DP-Hydrazine)       77       16.724  16.731 (1.093)     506820    5.02307      5.023
```

```
                                                                                      CONCENTRATIONS
                                    QUANT SIG                                       ON-COLUMN    FINAL
Compounds                             MASS          RT    EXP RT   REL RT  RESPONSE   (ug/mL)    (ug/mL)
==========================            ====        ==== ======== ======== ========   =======    =======
  187 Total Benzofluoranthenes         252       25.335  25.335 (0.971)    987382    10.8776      10.88
  120 2,3,4,6-Tetrachlorophenol        232       16.036  16.044 (1.048)     83545    4.21762      4.218
```

QC Flag Legend

M - Compound response manually integrated.

Data File: \\target\share\chem3\nt14.i\20221230C.b\NT1422123083.D Page 1
Report Date: 04-Jan-2023 14:27

ARI Labs, Inc.

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: nt14.i
Lab File ID: NT1422123083.D
Lab Smp Id: SKL0355-CCV1
Analysis Type: SV
Quant Type: ISTD
Operator: VTS
Method File: \\target\share\chem3\nt14.i\20221230C.b\ABN.m
Misc Info:

Calibration Date: 31-DEC-2022
Calibration Time: 23:30
Level:
Sample Type:

Test Mode:
Use Last Continuing Calibrator.

COMPOUND	STANDARD	AREA LIMIT LOWER	AREA LIMIT UPPER	SAMPLE	%DIFF
8 1,4-Dichlorobenze	138755	69378	277510	133778	-3.59
27 Naphthalene-d8	501723	250862	1003446	496301	-1.08
42 Acenaphthene-d10	275234	137617	550468	271703	-1.28
59 Phenanthrene-d10	440085	220043	880170	424221	-3.60
69 Chrysene-d12	384795	192398	769590	389585	1.24
134 Di-n-octylphthala	674530	337265	1349060	687974	1.99
77 Perylene-d12	336665	168333	673330	298756	-11.26

COMPOUND	STANDARD	RT LIMIT LOWER	RT LIMIT UPPER	SAMPLE	%DIFF
8 1,4-Dichlorobenze	9.16	8.66	9.66	9.16	0.00
27 Naphthalene-d8	11.67	11.17	12.17	11.67	-0.07
42 Acenaphthene-d10	15.31	14.81	15.81	15.30	-0.05
59 Phenanthrene-d10	18.36	17.86	18.86	18.35	-0.04
69 Chrysene-d12	23.40	22.90	23.90	23.40	0.00
134 Di-n-octylphthala	24.42	23.92	24.92	24.41	-0.03
77 Perylene-d12	26.09	25.59	26.59	26.08	-0.03

AREA UPPER LIMIT = +100% of internal standard area.
AREA LOWER LIMIT = - 50% of internal standard area.
RT UPPER LIMIT = + 0.50 minutes of internal standard RT.
RT LOWER LIMIT = - 0.50 minutes of internal standard RT.

```
REVIEW SUMMARY FOR FILE - NT1422123083.D

Lab ID: SKL0355-CCV1
nt14.i,  20221230C.b\ABN.m,    01-JAN-2023 09:41


     RT      CO-ELUTION COMPOUNDS
---------------------------------------------------------------------------

            NO CO-ELUTIONS



Quant Method: ICAL




        RRT CHECK

   RRT    CCV RRT   DELTA    COMPOUND
 -------------------------------------

   NONE

  RRT check based on Ccal File: NT1422123066.D



 On Column LOD for nt14.i, 20221230C.b\ABN.m, ICAL.sub = 0.0000

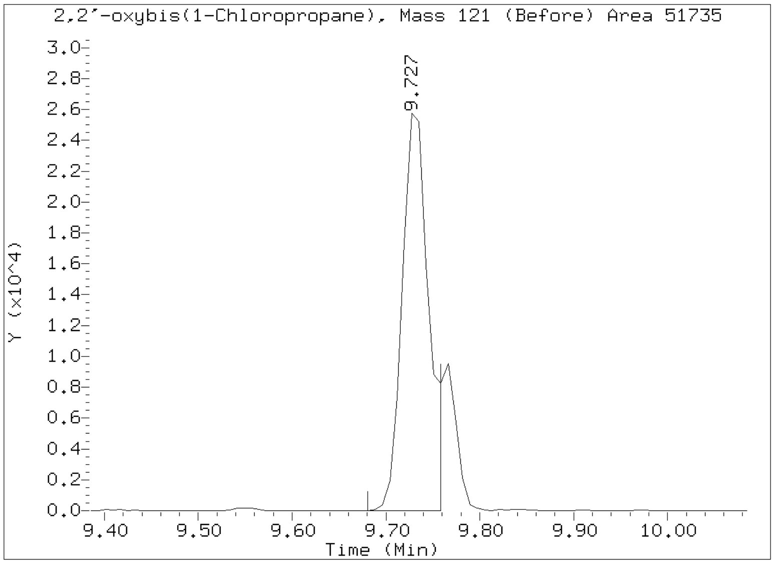


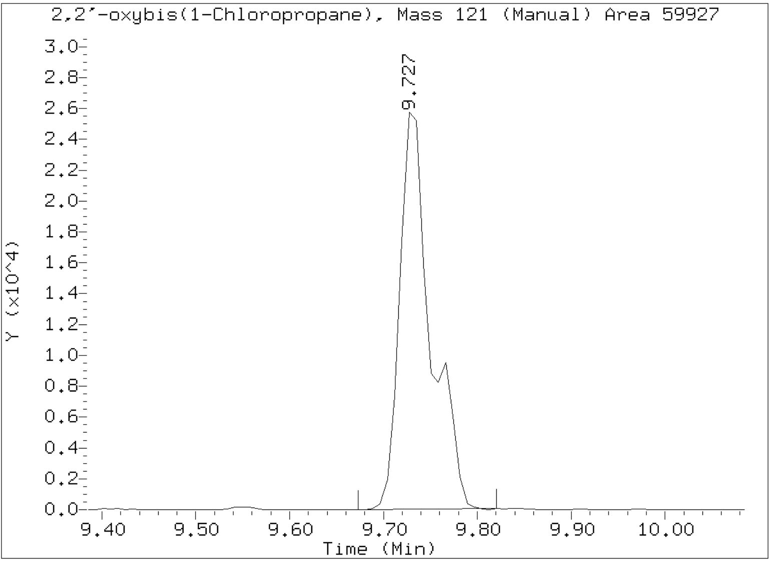

 * Only compounds listed in the work order have been verified by the analyst *
```

Quant Ion Manual Peak Adjustment Report

Datafile: //target/share/chem3/nt14.i/20221230C.b/NT1422123083.D
Injection Date: 01-JAN-2023 09:41
Lab ID:SKL0355-CCV1 Client ID:
Report Date: 01/04/2023 14:27

REVIEWED
By Brian Bebee
01/07/2023 @ 06:32 PM


2,2'-oxybis(1-Chloropropane), Mass 121 (Before) Area 51735


2,2'-oxybis(1-Chloropropane), Mass 121 (Manual) Area 59927

LOW-CONCENTRATION
CONTINUING CALIBRATION CHECK
EPA 8270E

Laboratory: Analytical Resources, LLC
Client: Anchor QEA, LLC
Instrument ID: NT14
Lab File ID: NT1422123051.D
Sequence: SKL0355
Lab Sample ID: SKL0355-LCV1
Sequence Name: ABN 0.2

SDG: 22L0307
Project: AOC4 UR Phase 3
Calibration: FL00066
Calibration Date: 12/30/2022
Injection Date: 12/31/22
Injection Time: 14:29

COMPOUND	TYPE	CONC. (ug/mL)		RESPONSE FACTOR (RRF)			% DRIFT/DIFF	
		STD	CCV	ICAL	CCV	MIN	CCV	LIMIT
Phenol	A	0.20000	0.2	1.7995200	2.0643140		14.7	+/-50
bis(2-chloroethyl) ether	A	0.20000	0.2	1.2396270	1.4816530		19.5	+/-50
2-Chlorophenol	A	0.20000	0.2	1.4607190	1.7203190		17.8	+/-50
1,3-Dichlorobenzene	A	0.20000	0.2	1.5489360	1.9026260		22.8	+/-50
1,4-Dichlorobenzene	A	0.20000	0.2	1.4674070	1.8246170		24.3	+/-50
1,2-Dichlorobenzene	A	0.20000	0.2	1.4391100	1.7502170		21.6	+/-50
Benzyl Alcohol	A	0.20000	0.2	0.8011083	0.6500168		-18.9	+/-50
2,2'-Oxybis(1-chloropropane)	A	0.20000	0.2	0.4172325	0.4665069		11.8	+/-50
2-Methylphenol	A	0.20000	0.2	1.3076140	1.5306240		17.1	+/-50
Hexachloroethane	A	0.20000	0.2	0.5396966	0.4735517		-12.3	+/-50
N-Nitroso-di-n-Propylamine	A	0.20000	0.2	0.7965591	0.8792323		10.4	+/-50
4-Methylphenol	A	0.20000	0.2	1.3794240	1.4627520		6.0	+/-50
Nitrobenzene	A	0.20000	0.2	0.3354574	0.3780682		12.7	+/-50
Isophorone	A	0.20000	0.2	0.4275424	0.4201436		-1.7	+/-50
2-Nitrophenol	A	0.20000	0.2	0.2064997	0.2077004		1.4	+/-50
2,4-Dimethylphenol	A	0.40000	0.5	0.3501131	0.3988007		13.9	+/-50
Bis(2-Chloroethoxy)methane	A	0.20000	0.2	0.3325989	0.3920620		17.9	+/-50
2,4-Dichlorophenol	A	0.40000	0.4	0.2951237	0.3048823		3.3	+/-50
1,2,4-Trichlorobenzene	A	0.20000	0.2	0.3191088	0.3864269		21.1	+/-50
Naphthalene	A	0.20000	0.2	0.9843833	1.1700810		18.9	+/-50
Benzoic acid	A	0.80000	0.2	0.1508906	0.0465600		-78.2	+/-50
4-Chloroaniline	A	0.40000	0.4	0.4059568	0.4118553		1.5	+/-50
Hexachlorobutadiene	A	0.20000	0.2	0.1583286	0.1760029		11.2	+/-50
4-Chloro-3-Methylphenol	A	0.40000	0.4	0.2785027	0.2791957		0.3	+/-50
2-Methylnaphthalene	A	0.20000	0.2	0.7220739	0.8053026		11.5	+/-50
Hexachlorocyclopentadiene	A	0.40000	0.02	0.3023695	0.0162513		-94.6	+/-50
2,4,6-Trichlorophenol	A	0.40000	0.4	0.3338641	0.3126991		-6.3	+/-50
2,4,5-Trichlorophenol	A	0.40000	0.4	0.3853234	0.4157471		7.9	+/-50
2-Chloronaphthalene	A	0.20000	0.2	1.1441150	1.3567070		18.6	+/-50
2-Nitroaniline	A	0.40000	0.4	0.3007956	0.2987101		-0.7	+/-50
Acenaphthylene	A	0.20000	0.2	1.7445240	1.9676080		12.8	+/-50
Dimethylphthalate	A	0.20000	0.2	1.1280520	1.2584600		11.6	+/-50
2,6-Dinitrotoluene	A	0.40000	0.4	0.2545771	0.2237324		-12.1	+/-50
Acenaphthene	A	0.20000	0.2	1.0820160	1.2721260		17.6	+/-50

* Values outside of QC limits

LOW-CONCENTRATION
CONTINUING CALIBRATION CHECK
EPA 8270E

Laboratory:	Analytical Resources, LLC	SDG:	22L0307
Client:	Anchor QEA, LLC	Project:	AOC4 UR Phase 3
Instrument ID:	NT14	Calibration:	FL00066
Lab File ID:	NT1422123051.D	Calibration Date:	12/30/2022
Sequence:	SKL0355	Injection Date:	12/31/22
Lab Sample ID:	SKL0355-LCV1	Injection Time:	14:29
Sequence Name:	ABN 0.2		

		CONC. (ug/mL)		RESPONSE FACTOR (RRF)			% DRIFT/DIFF	
COMPOUND	TYPE	STD	CCV	ICAL	CCV	MIN	CCV	LIMIT
3-Nitroaniline	A	0.40000	0.3	0.3094189	0.2607134		-15.7	+/-50
2,4-Dinitrophenol	A	0.80000	0.005	0.1831718	0.0014312		-99.3	+/-50
Dibenzofuran	A	0.20000	0.2	1.6225950	1.9508950		20.2	+/-50
4-Nitrophenol	A	0.40000	0.2	0.1384031	0.0879048		-40.6	+/-50
2,4-Dinitrotoluene	A	0.40000	0.3	0.3492859	0.2636682		-24.5	+/-50
Fluorene	A	0.20000	0.2	1.7261350	1.9622530		13.7	+/-50
4-Chlorophenylphenyl ether	A	0.20000	0.2	0.8450792	0.9033324		6.9	+/-50
Diethyl phthalate	A	0.20000	0.2	1.5332690	1.7458150		13.9	+/-50
4-Nitroaniline	A	0.40000	0.3	0.3413732	0.2911846		-21.8	+/-50
4,6-Dinitro-2-methylphenol	A	0.80000	0.2	0.1530278	0.0423797		-74.8	+/-50
N-Nitrosodiphenylamine	A	0.20000	0.2	0.6863845	0.8312522		21.1	+/-50
4-Bromophenyl phenyl ether	A	0.20000	0.2	0.2599074	0.2955359		13.7	+/-50
Hexachlorobenzene	A	0.20000	0.2	0.2852204	0.3266661		14.5	+/-50
Pentachlorophenol	A	0.40000	0.08	0.1128364	0.0236786		-80.8	+/-50
Phenanthrene	A	0.20000	0.2	1.0429190	1.2592500		20.7	+/-50
Anthracene	A	0.20000	0.2	0.9956202	1.0865090		9.1	+/-50
Carbazole	A	0.20000	0.2	0.9624945	1.0462870		8.7	+/-50
Di-n-Butylphthalate	A	0.20000	0.2	1.0394700	1.0352390		-4.7	+/-50
Fluoranthene	A	0.20000	0.2	1.2879410	1.4861000		15.4	+/-50
Pyrene	A	0.20000	0.2	1.3541610	1.4975920		10.6	+/-50
Butylbenzylphthalate	A	0.20000	0.2	0.4650792	0.5311603		4.0	+/-50
Benzo(a)anthracene	A	0.20000	0.2	1.2117210	1.4633910		20.8	+/-50
3,3'-Dichlorobenzidine	A	0.60000	0.7	0.3709370	0.4304254		16.0	+/-50
Chrysene	A	0.20000	0.2	1.1445730	1.3813490		20.7	+/-50
bis(2-Ethylhexyl)phthalate	A	0.20000	0.2	0.4442323	0.4854060		9.3	+/-50
Di-n-Octylphthalate	A	0.20000	0.2	0.9601702	1.1615200		21.0	+/-50
Benzofluoranthenes, Total	A	0.40000	0.5	1.2153330	1.5457340		27.2	+/-50
Benzo(a)pyrene	A	0.20000	0.2	1.0450150	1.2622770		20.8	+/-50
Indeno(1,2,3-cd)pyrene	A	0.20000	0.1	1.1879490	0.8474652		-28.7	+/-50
Dibenzo(a,h)anthracene	A	0.20000	0.1	1.0094890	0.7555898		-25.2	+/-50
Benzo(g,h,i)perylene	A	0.20000	0.1	0.9951726	0.6117218		-38.5	+/-50
1-Methylnaphthalene	A	0.20000	0.2	0.6937882	0.8037999		15.9	+/-50
2-Fluorophenol	A	0.30000	0.344	1.2814900	1.4710570		14.8	+/-50
Phenol-d5	A	0.30000	0.307	1.5836890	1.6214620		2.4	+/-50

* Values outside of QC limits

LOW-CONCENTRATION CONTINUING CALIBRATION CHECK

EPA 8270E

Laboratory:	Analytical Resources, LLC	SDG:	22L0307
Client:	Anchor QEA, LLC	Project:	AOC4 UR Phase 3
Instrument ID:	NT14	Calibration:	FL00066
Lab File ID:	NT1422123051.D	Calibration Date:	12/30/2022
Sequence:	SKL0355	Injection Date:	12/31/22
Lab Sample ID:	SKL0355-LCV1	Injection Time:	14:29
Sequence Name:	ABN 0.2		

		CONC. (ug/mL)		RESPONSE FACTOR (RRF)			% DRIFT/DIFF	
COMPOUND	TYPE	STD	CCV	ICAL	CCV	MIN	CCV	LIMIT
2-Chlorophenol-d4	A	0.30000	0.332	1.3300510	1.4726610		10.7	+/-50
1,2-Dichlorobenzene-d4	A	0.20000	0.241	0.9090592	1.0955610		20.5	+/-50
Nitrobenzene-d5	A	0.20000	0.214	0.3377760	0.3615386		7.0	+/-50
2-Fluorobiphenyl	A	0.20000	0.223	1.3448860	1.5008450		11.6	+/-50
2,4,6-Tribromophenol	A	0.30000	0.212	0.1844845	0.1322265		-29.4	+/-50
p-Terphenyl-d14	A	0.20000	0.218	0.9601842	1.0445280		8.8	+/-50

* Values outside of QC limits

* Values outside of QC limits

Data File: \\target\share\chem3\nt14.i\20221230B.b\NT1422123051.D

Date : 31-DEC-2022 14:29

Client ID:

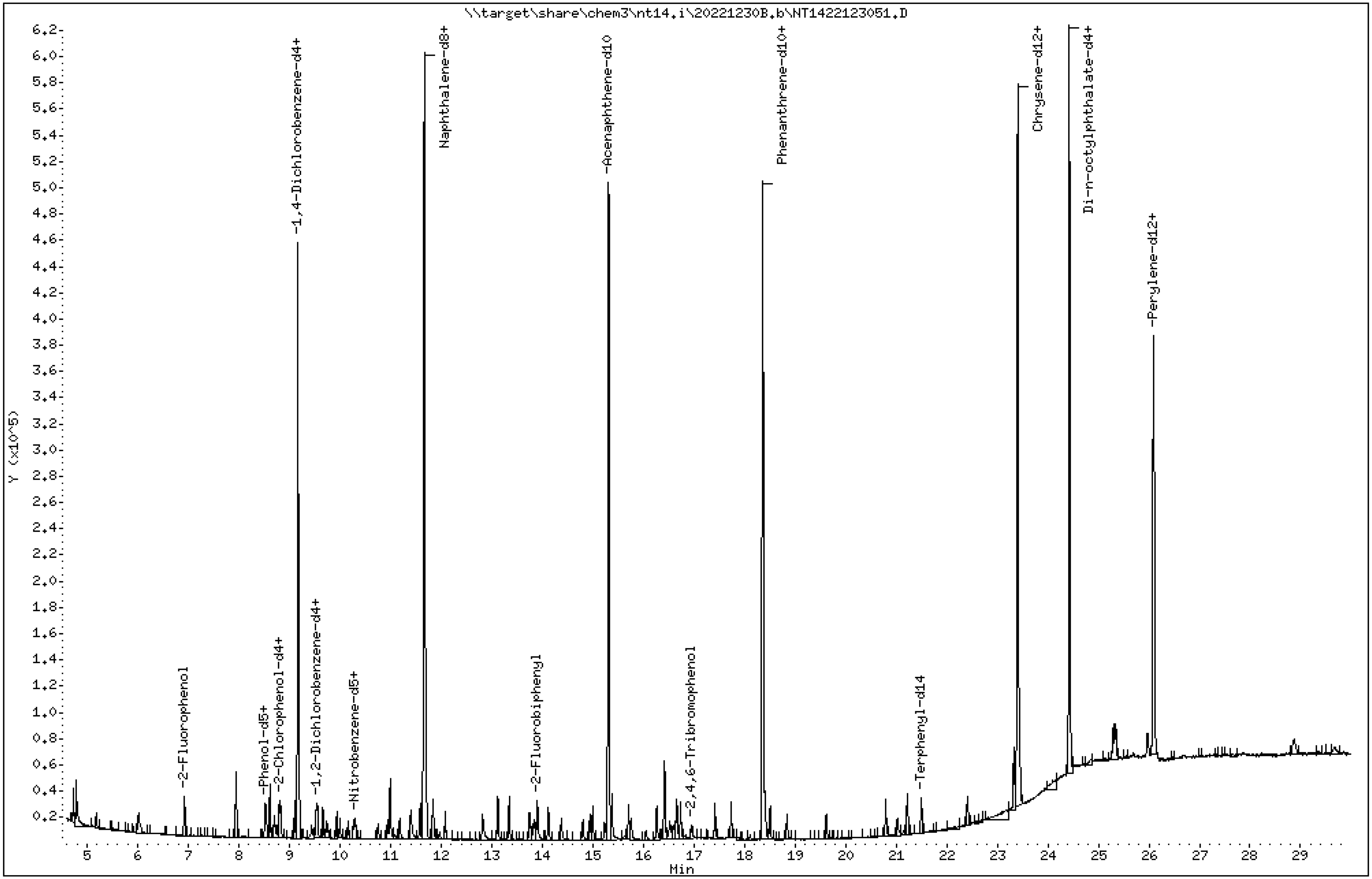
Instrument: nt14.i

Sample Info: SKL0355-LCV1

Operator: VTS

Column phase: ZB-5msi

Column diameter: 0.25



Data File: \\target\share\chem3\nt14.i\20221230B.b\NT1422123051.D

Date : 31-DEC-2022 14:29

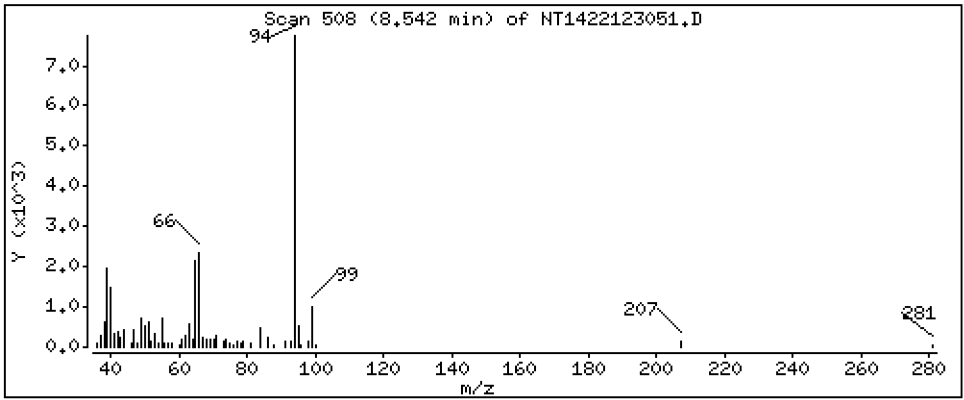
Client ID: Instrument: nt14.i

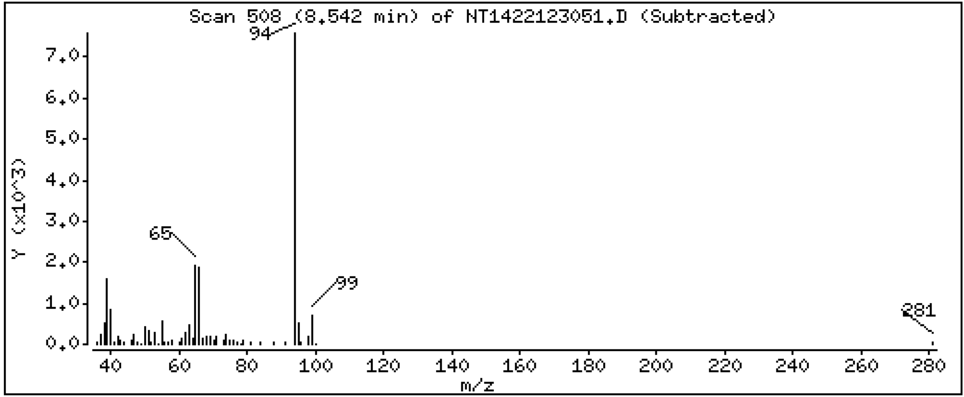
Sample Info: SKL0355-LCV1

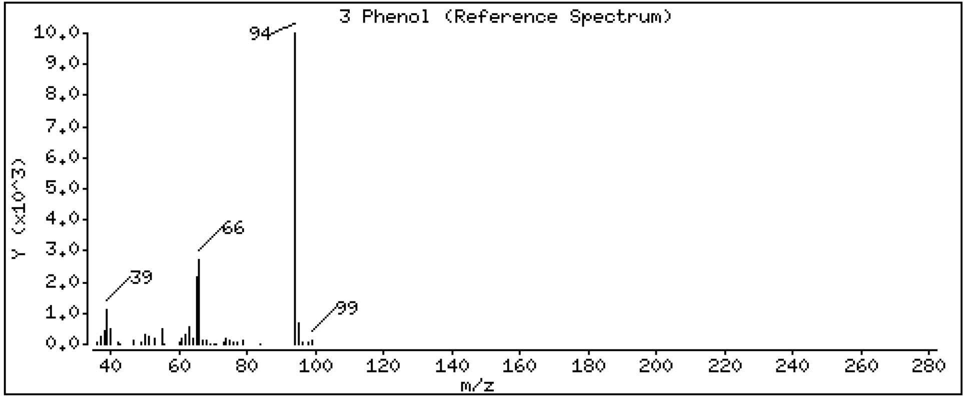
Operator: VTS

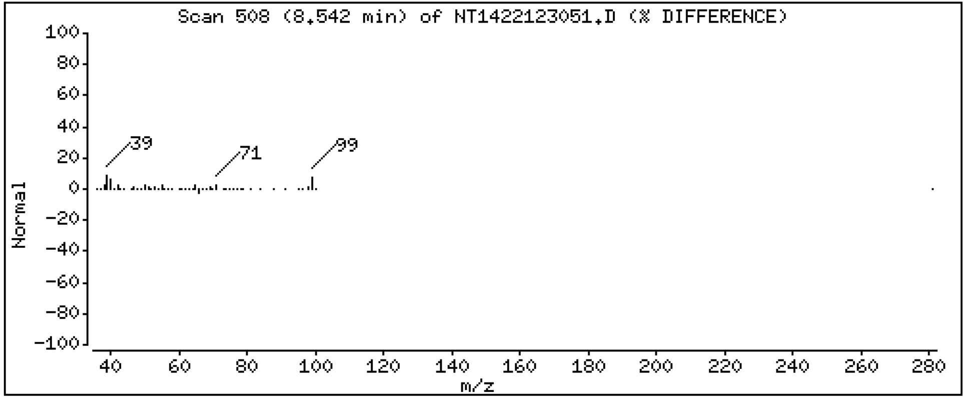
Column phase: ZB-5msi Column diameter: 0.25

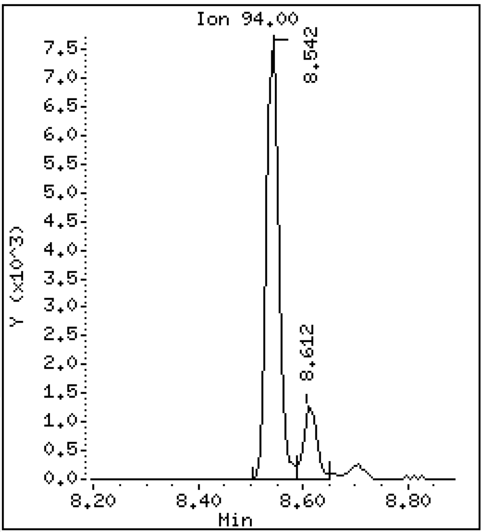
3 Phenol Concentration: 0.2294 ug/mL

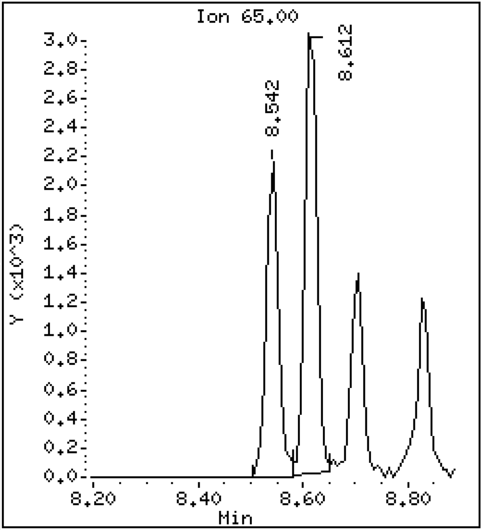


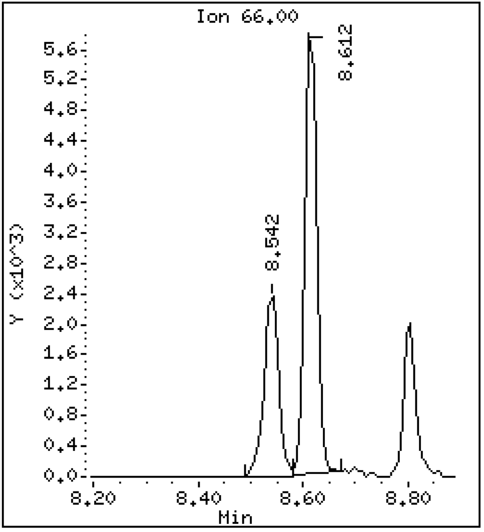












Data File: \\target\share\chem3\nt14.i\20221230B.b\NT1422123051.D Page 3

Date : 31-DEC-2022 14:29

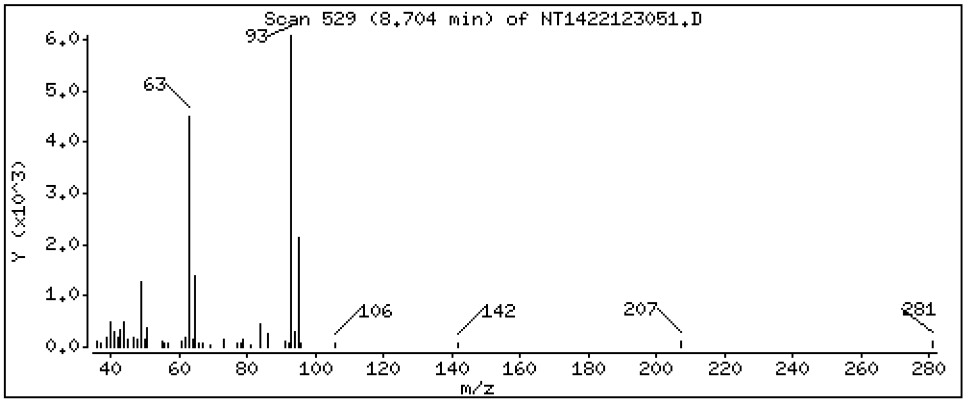
Client ID: Instrument: nt14.i

Sample Info: SKL0355-LCV1

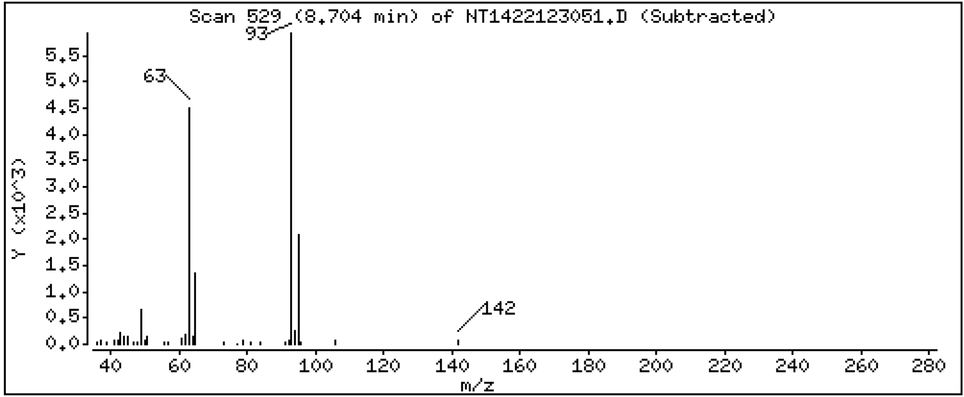
Operator: VTS

Column phase: ZB-5msi Column diameter: 0.25

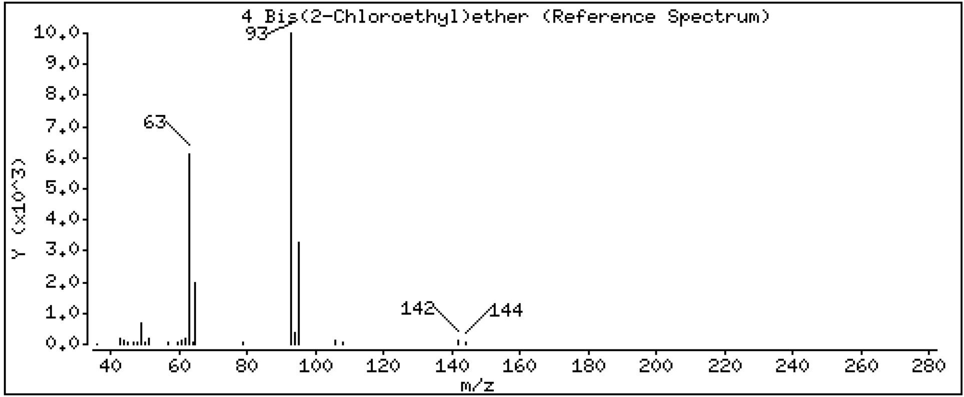
4 Bis(2-Chloroethyl)ether Concentration: 0.2390 ug/mL



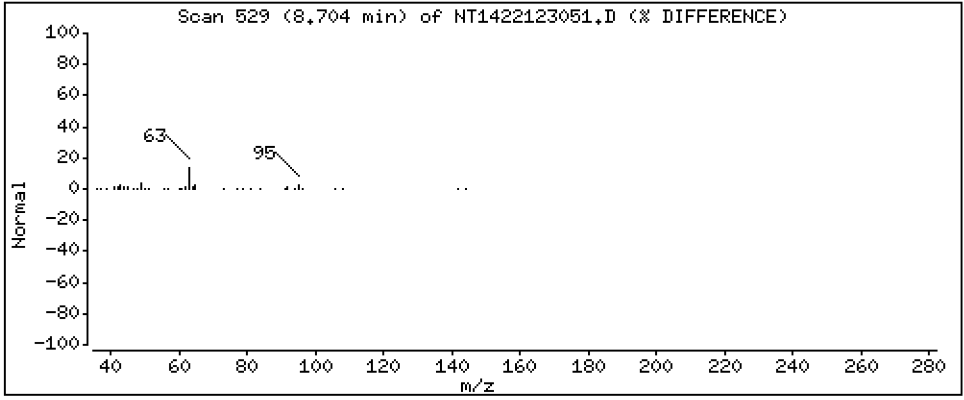
Scan 529 (8.704 min) of NT1422123051.D



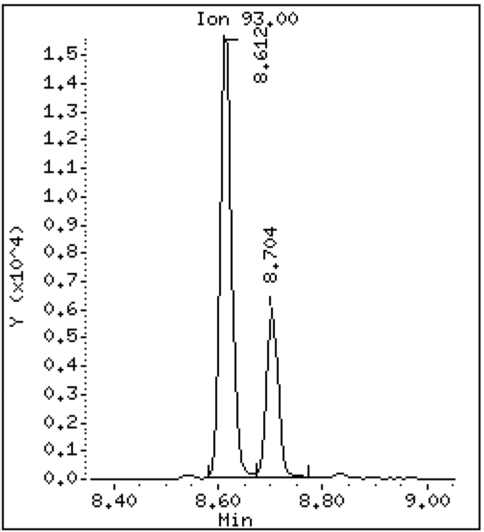
Scan 529 (8.704 min) of NT1422123051.D (Subtracted)



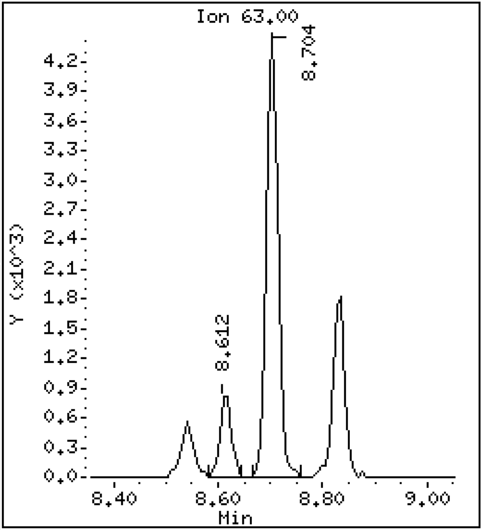
4 Bis(2-Chloroethyl)ether (Reference Spectrum)



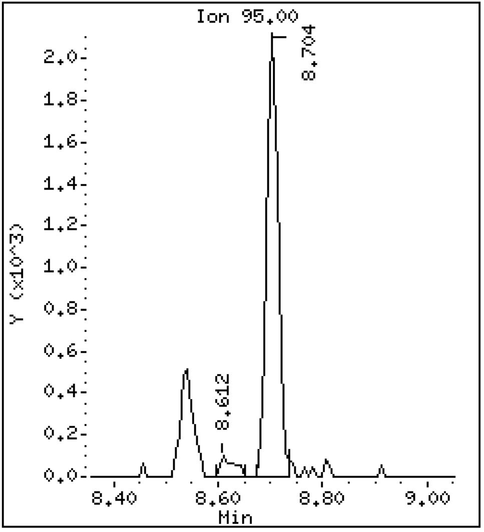
Scan 529 (8.704 min) of NT1422123051.D (% DIFFERENCE)



Ion 93.00



Ion 63.00



Ion 95.00

Data File: \\target\share\chem3\nt14.i\20221230B.b\NT1422123051.D

Date : 31-DEC-2022 14:29

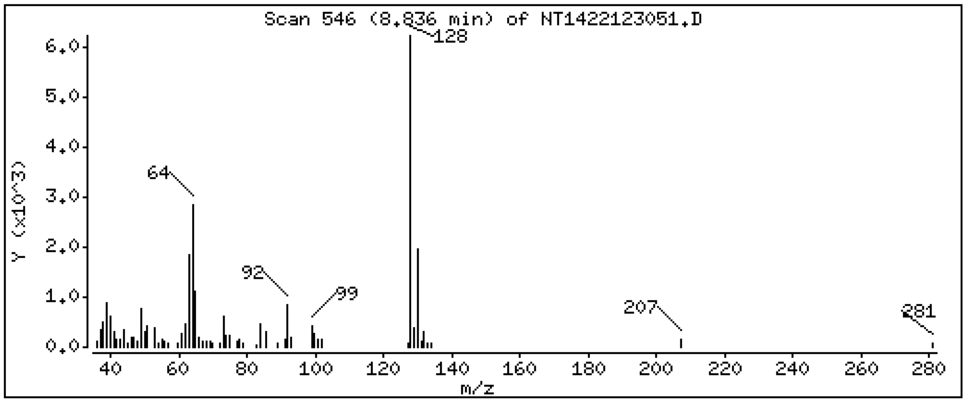
Client ID: Instrument: nt14.i

Sample Info: SKL0355-LCV1

Operator: VTS

Column phase: ZB-5msi Column diameter: 0.25

6 2-Chlorophenol Concentration: 0.2355 ug/mL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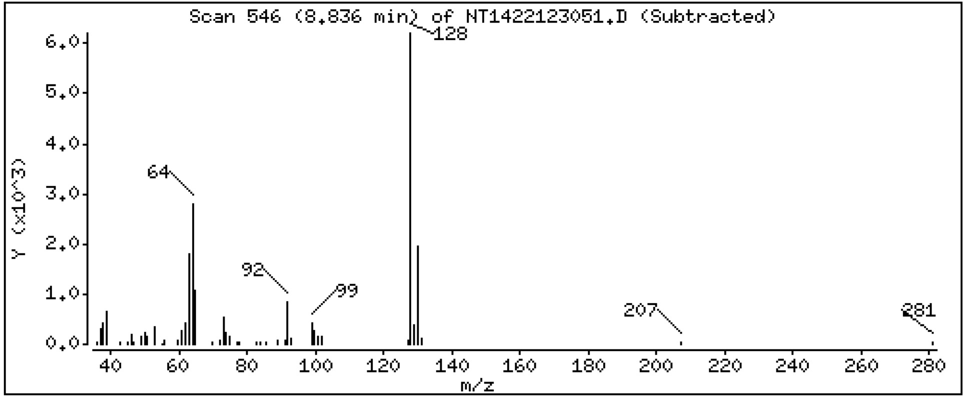
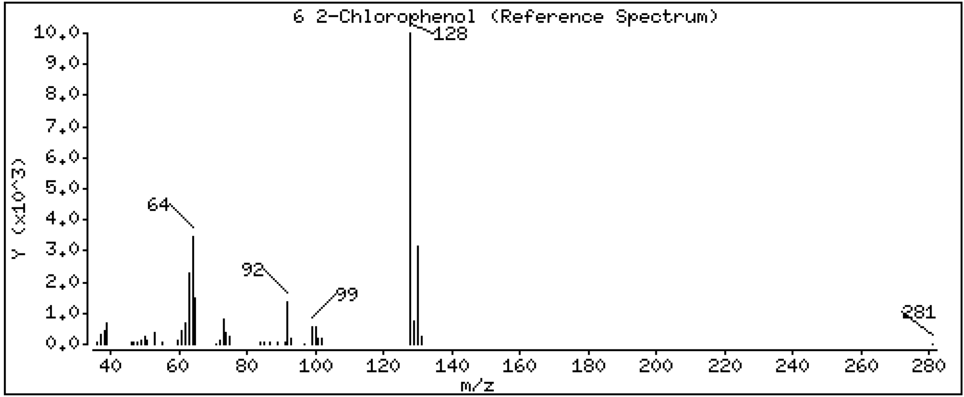
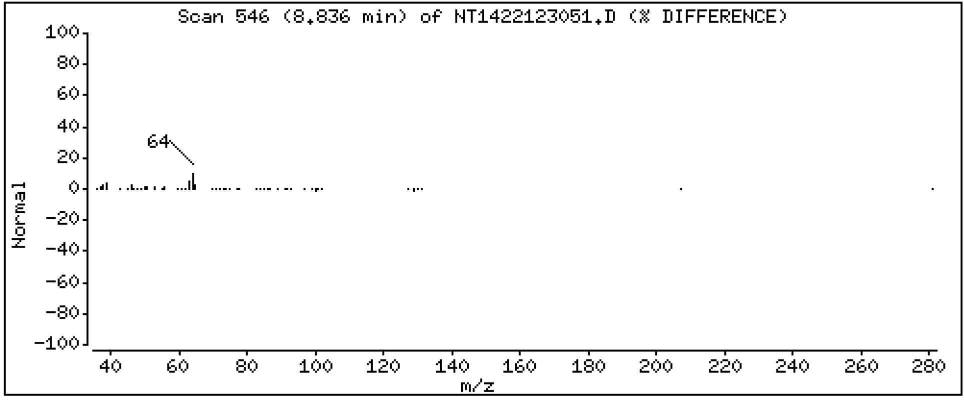
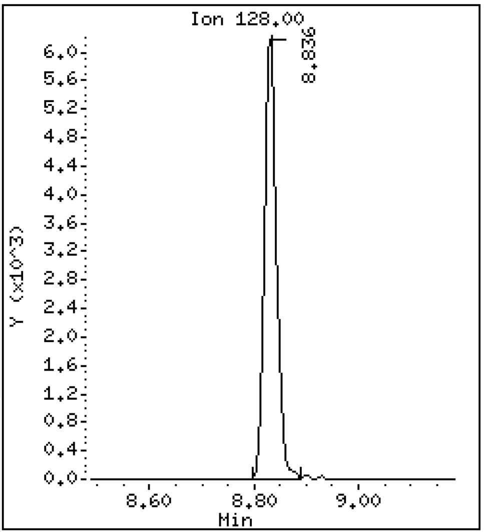
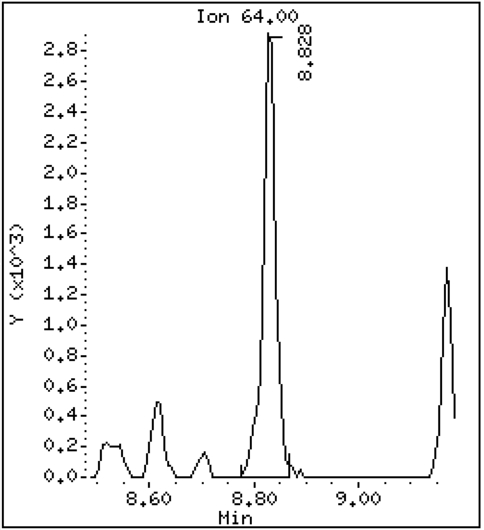

Scan 546 (8.836 min) of NT1422123051.D (Subtracted)


6 2-Chlorophenol (Reference Spectrum)


Scan 546 (8.836 min) of NT1422123051.D (% DIFFERENCE)


Ion 128.00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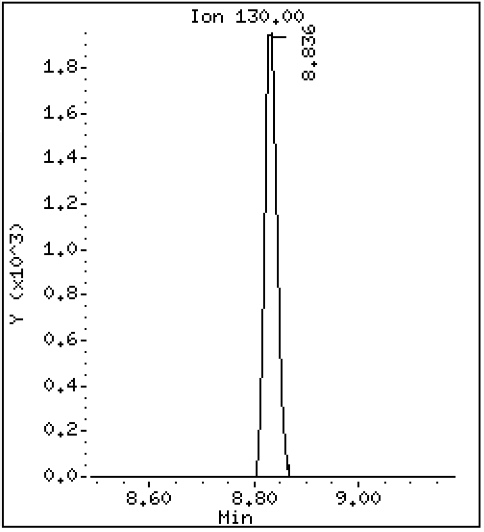

Ion 130.00

Data File: \\target\share\chem3\nt14.i\20221230B.b\NT1422123051.D

Date : 31-DEC-2022 14:29

Client ID:

Instrument: nt14.i

Sample Info: SKL0355-LCV1

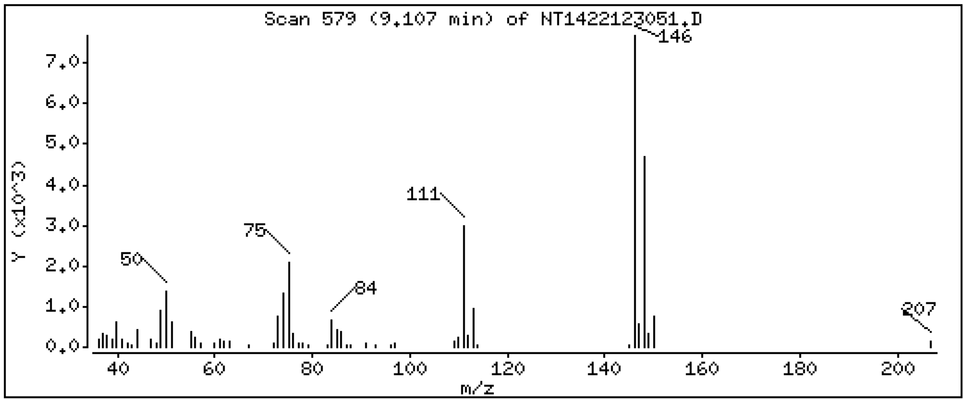
Operator: VTS

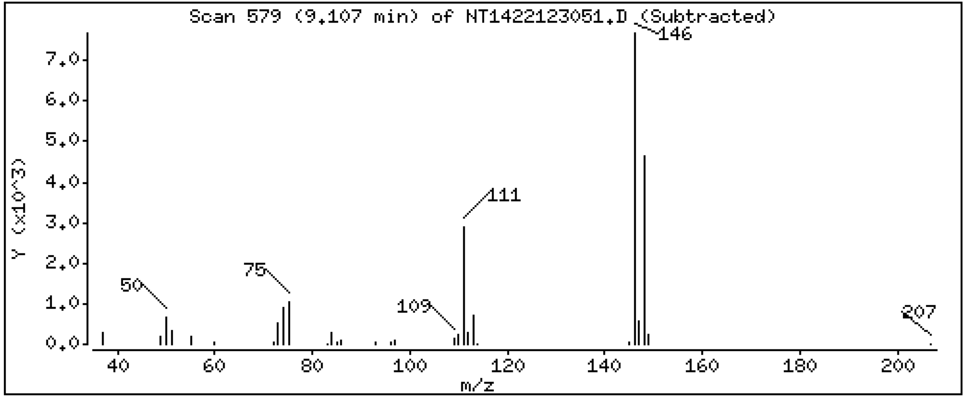
Column phase: ZB-5msi

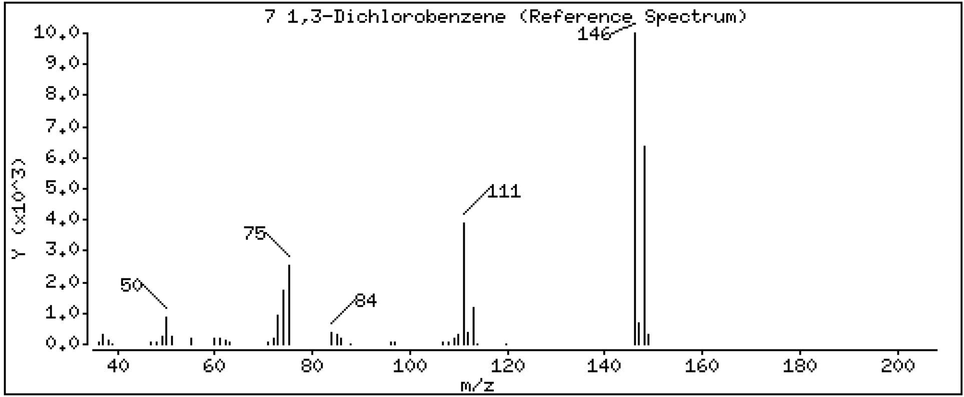
Column diameter: 0.25

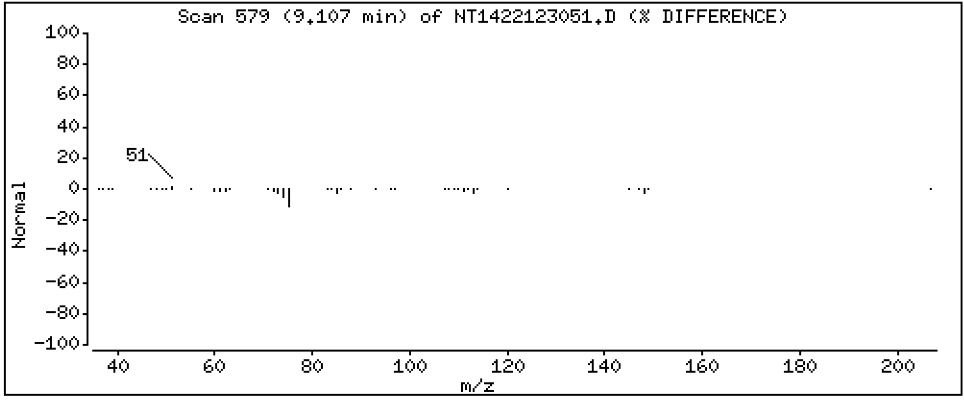
7 1,3-Dichlorobenzene

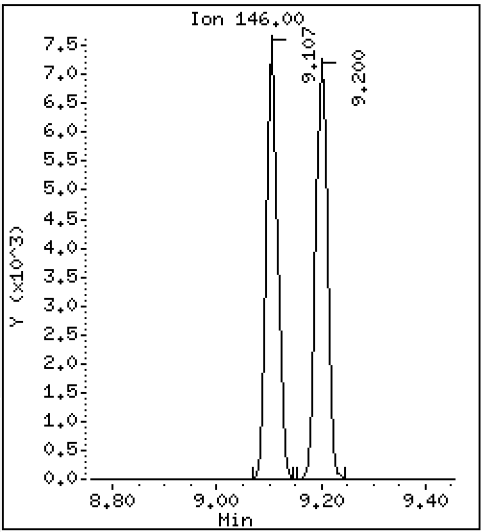
Concentration: 0.2457 ug/mL


Scan 579 (9.107 min) of NT1422123051.D


Scan 579 (9.107 min) of NT1422123051.D (Subtracted)


7 1,3-Dichlorobenzene (Reference Spectrum)


Scan 579 (9.107 min) of NT1422123051.D (% DIFFERENCE)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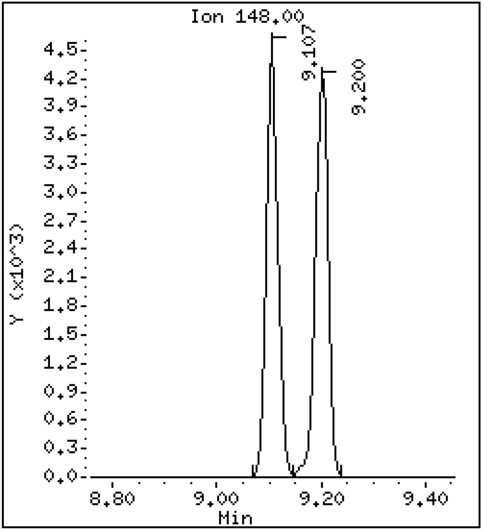
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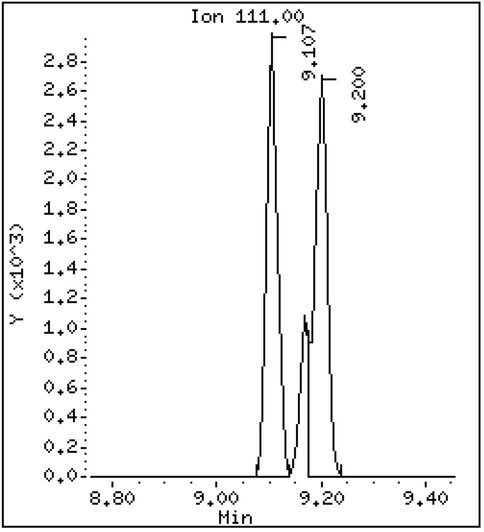

Ion 111.00

Data File: \\target\share\chem3\nt14.i\20221230B.b\NT1422123051.D Page 6

Date : 31-DEC-2022 14:29

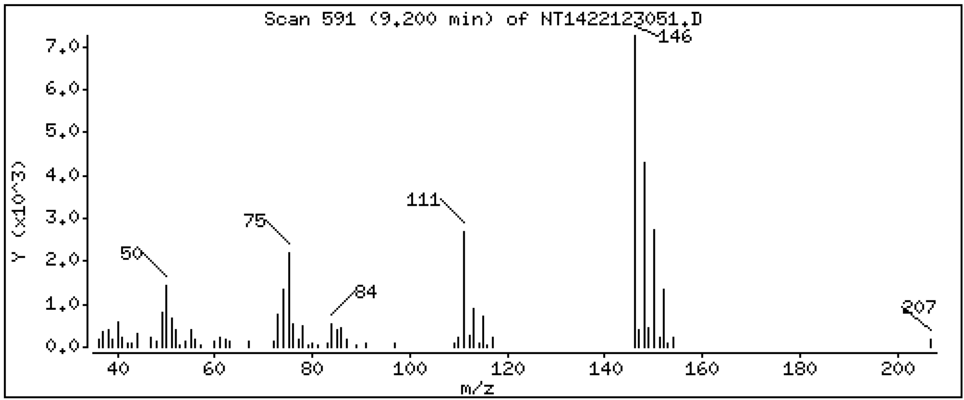
Client ID: Instrument: nt14.i

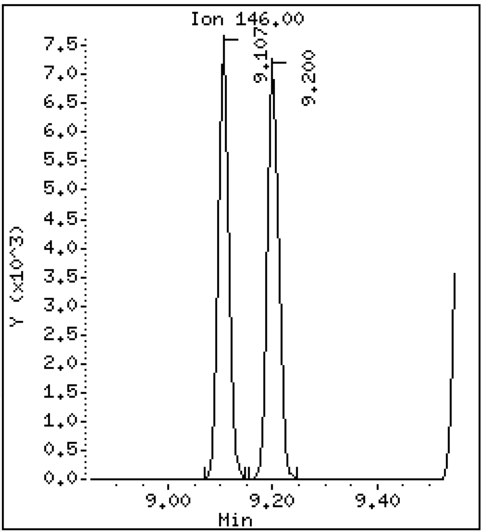
Sample Info: SKL0355-LCV1

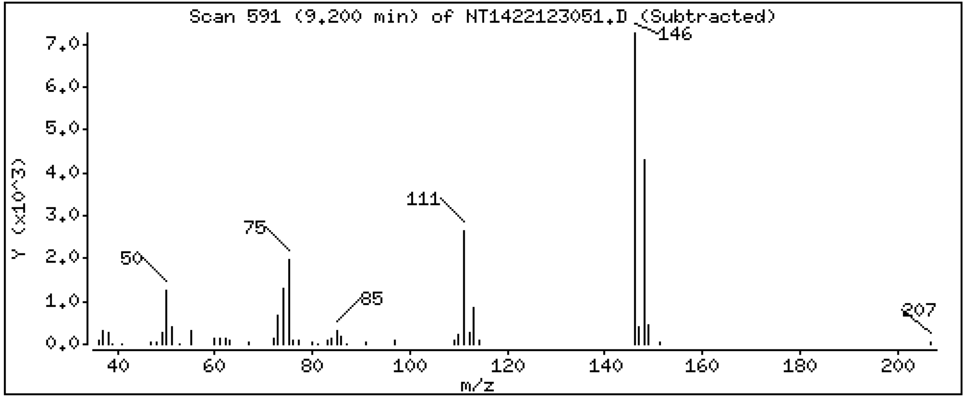
Operator: VTS

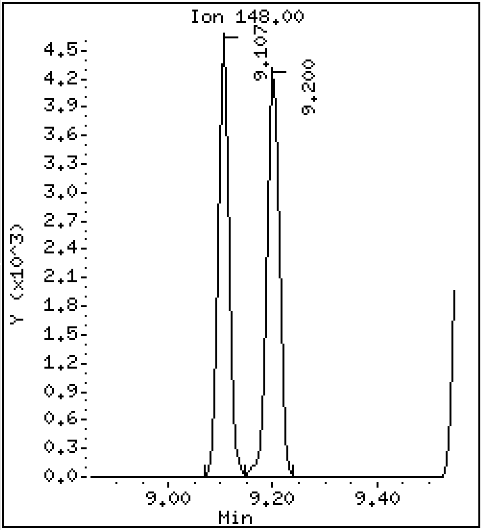
Column phase: ZB-5msi Column diameter: 0.25

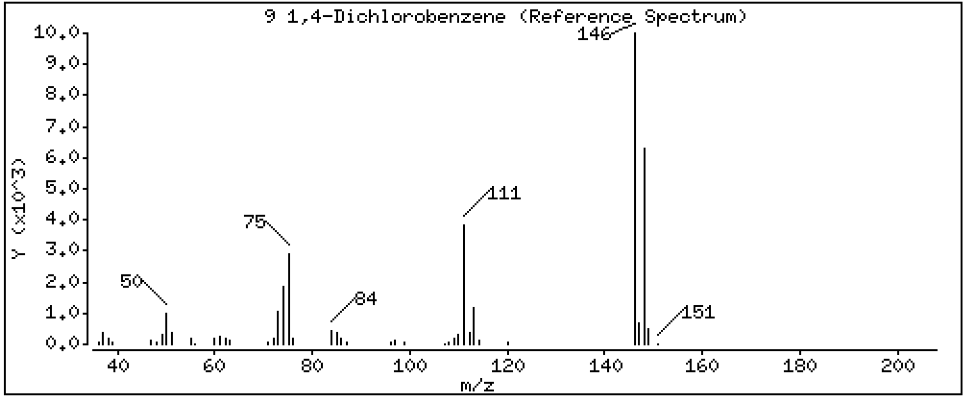
9 1,4-Dichlorobenzene Concentration: 0.2487 ug/mL

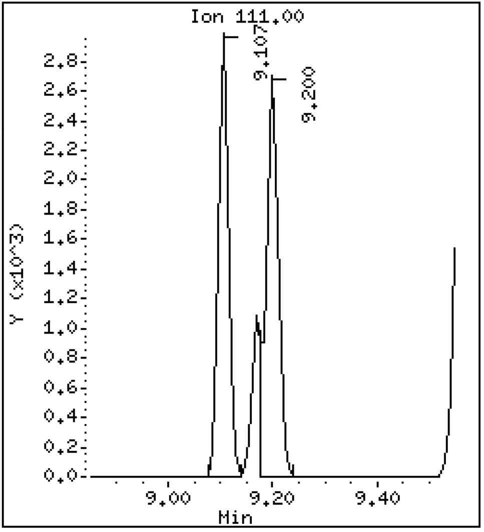


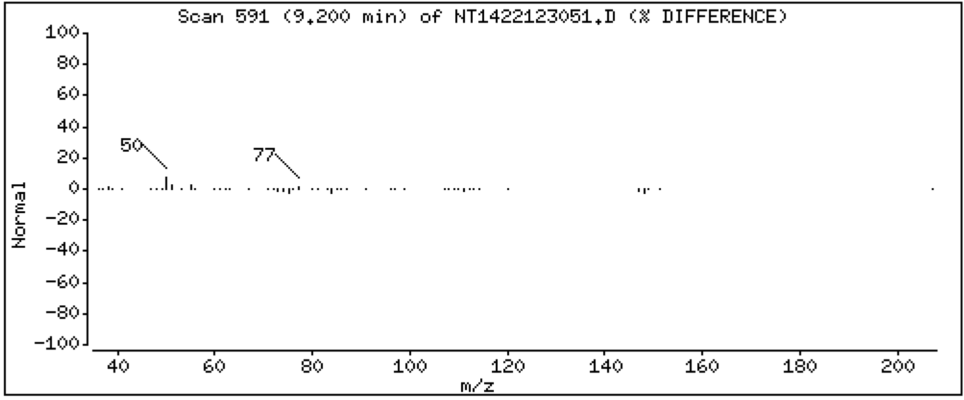












Data File: \\target\share\chem3\nt14.i\20221230B.b\NT1422123051.D

Date : 31-DEC-2022 14:29

Client ID:

Instrument: nt14.i

Sample Info: SKL0355-LCV1

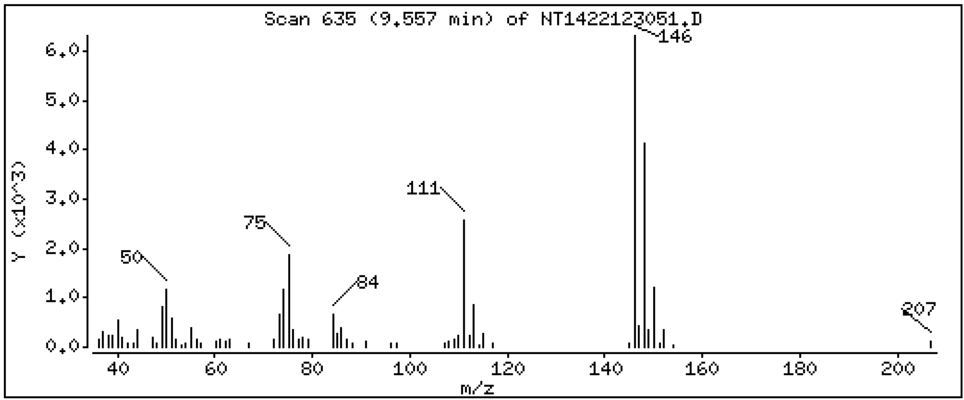
Operator: VTS

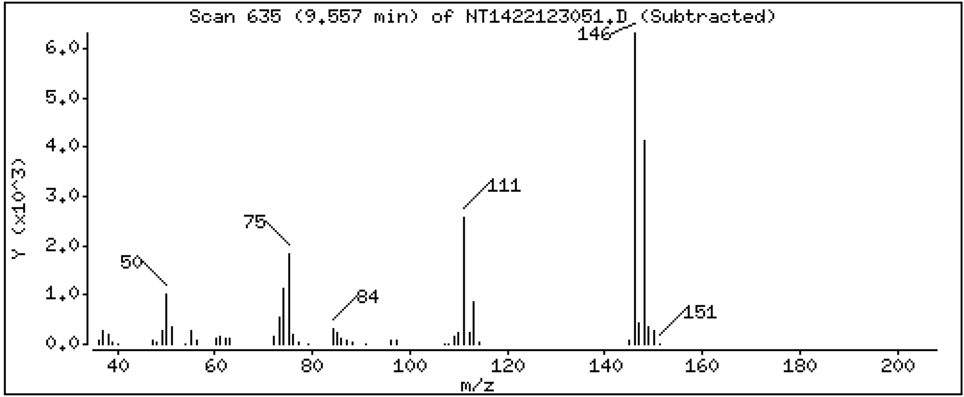
Column phase: ZB-5msi

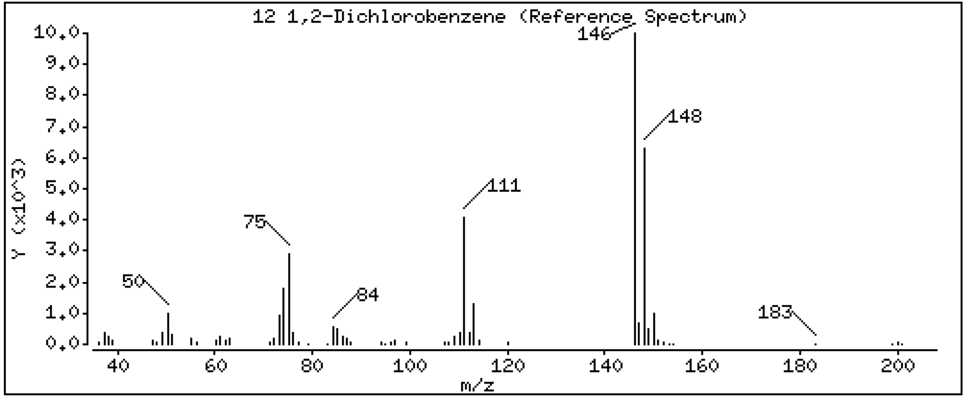
Column diameter: 0.25

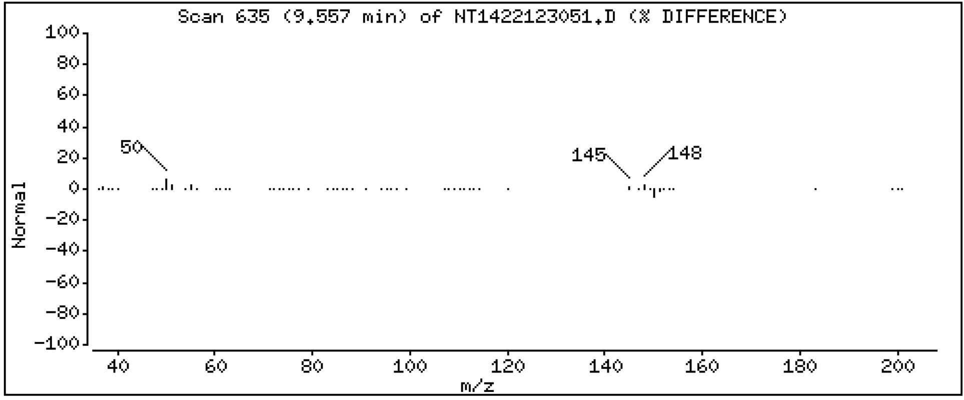
12 1,2-Dichlorobenzene

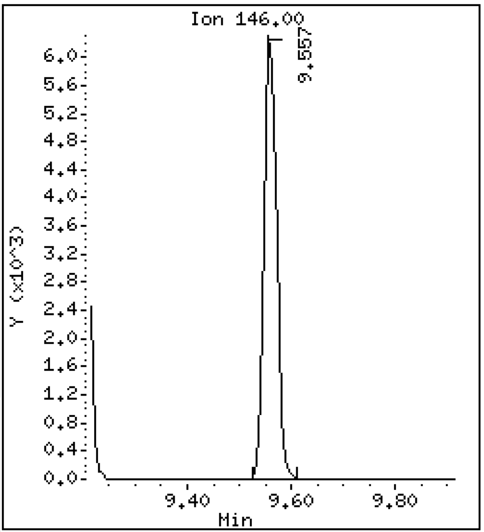
Concentration: 0.2432 ug/mL

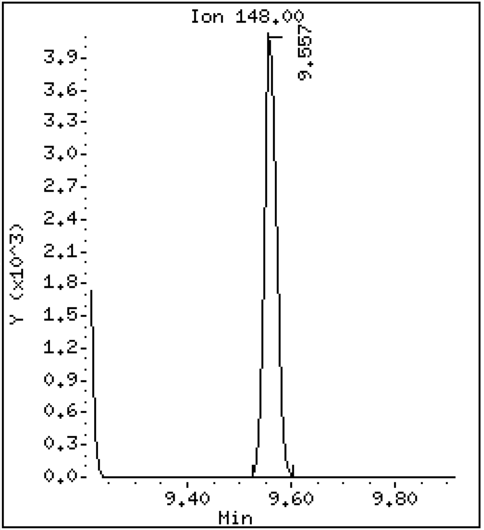

Scan 635 (9.557 min) of NT1422123051.D


Scan 635 (9.557 min) of NT1422123051.D (Subtracted)


12 1,2-Dichlorobenzene (Reference Spectrum)


Scan 635 (9.557 min) of NT1422123051.D (% DIFFERENCE)


Ion 146.00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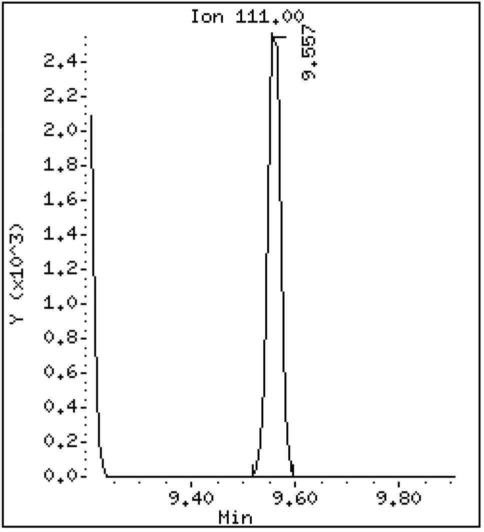

Ion 111.00

Data File: \\target\share\chem3\nt14.i\20221230B.b\NT1422123051.D

Date : 31-DEC-2022 14:29

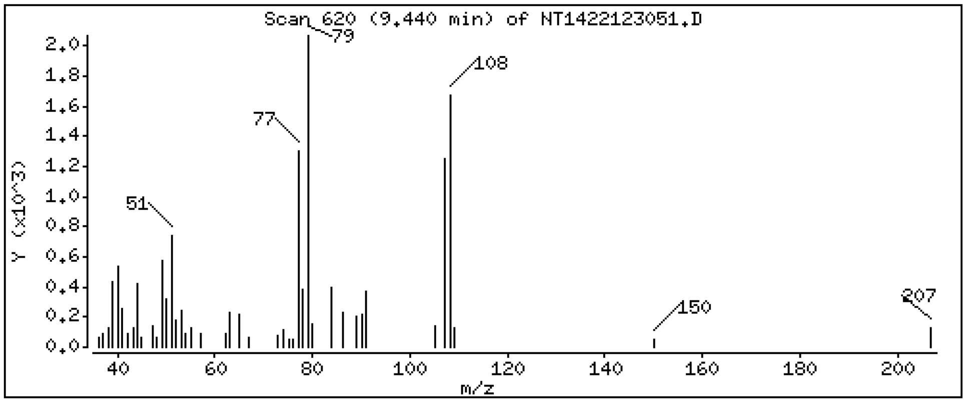
Client ID: Instrument: nt14.i

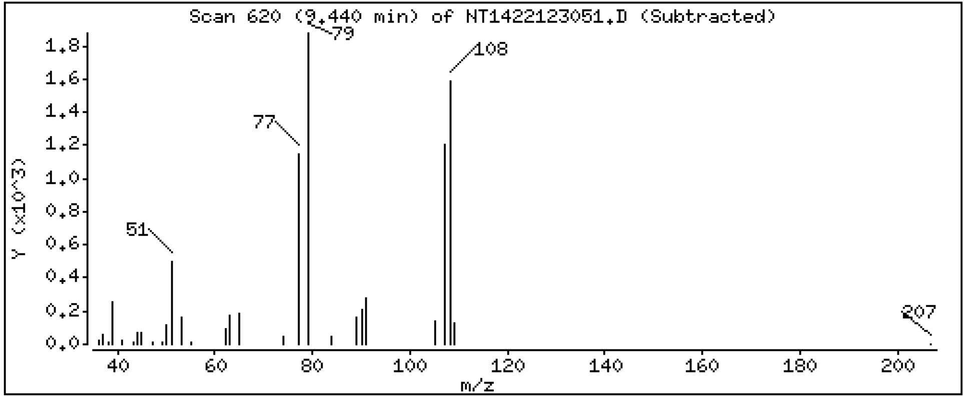
Sample Info: SKL0355-LCV1

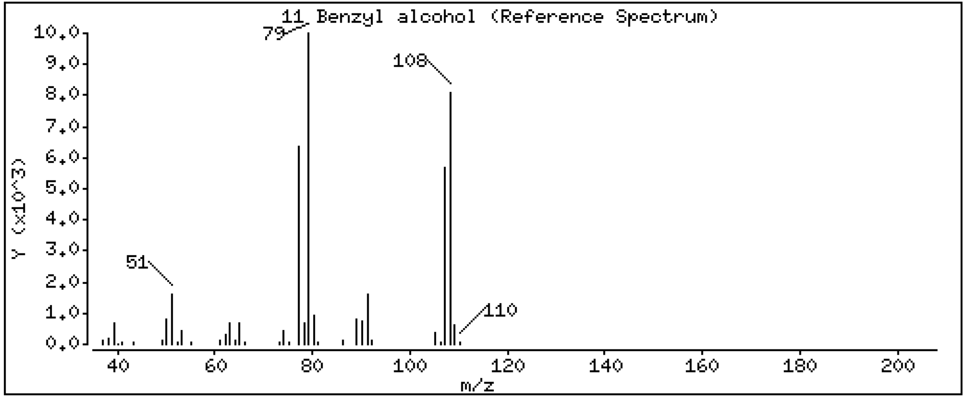
Operator: VTS

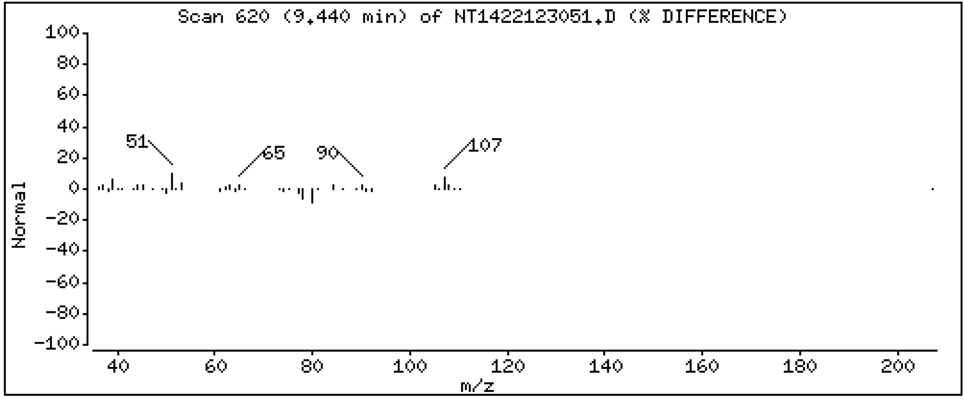
Column phase: ZB-5msi Column diameter: 0.25

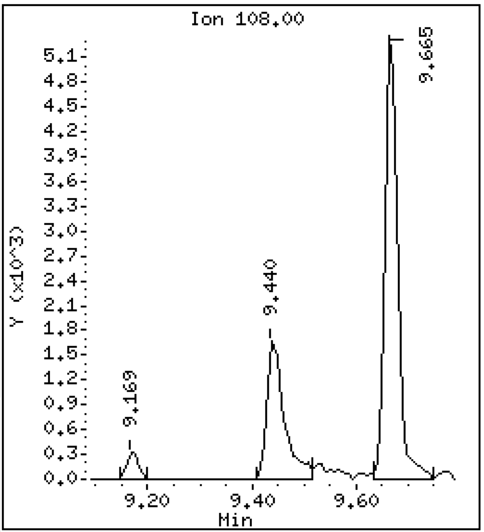
11 Benzyl alcohol Concentration: 0.1623 ug/mL


Scan 620 (9.440 min) of NT1422123051.D


Scan 620 (9.440 min) of NT1422123051.D (Subtracted)


11 Benzyl alcohol (Reference Spectrum)


Scan 620 (9.440 min) of NT1422123051.D (% DIFFERENCE)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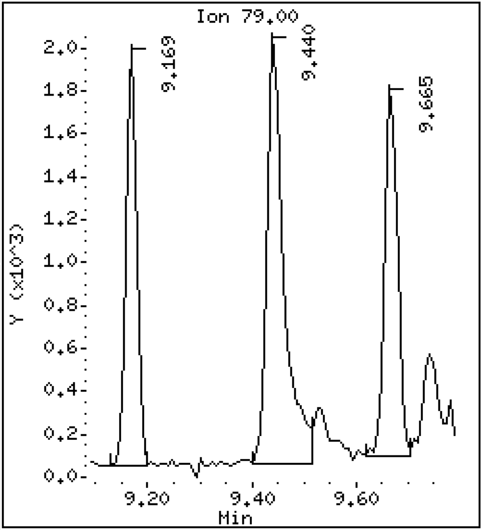
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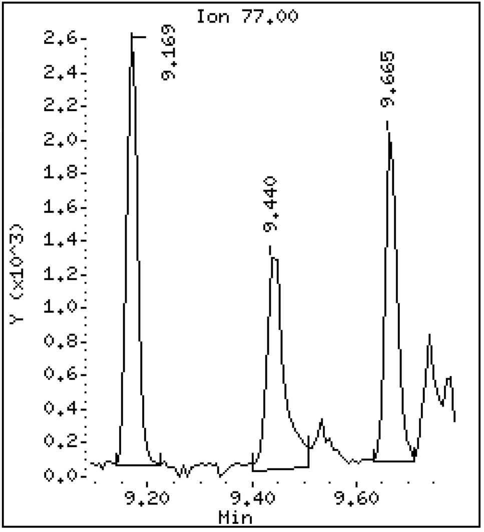
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Data File: \\target\share\chem3\nt14.i\20221230B.b\NT1422123051.D

Date : 31-DEC-2022 14:29

Client ID:

Instrument: nt14.i

Sample Info: SKL0355-LCV1

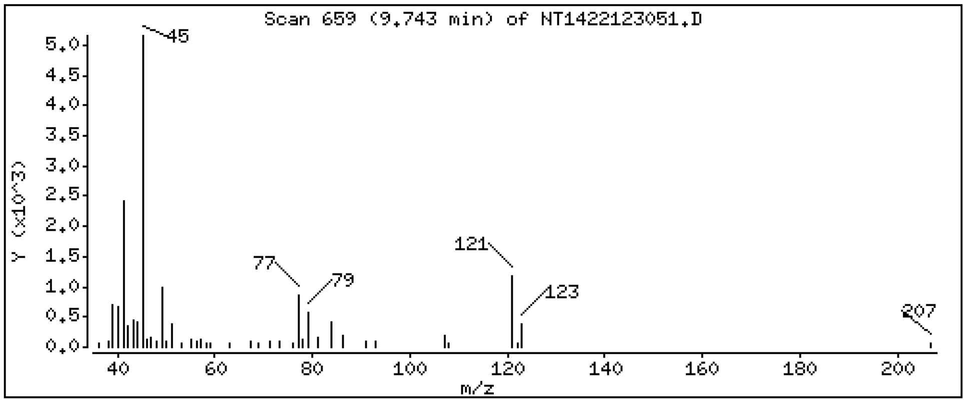
Operator: VTS

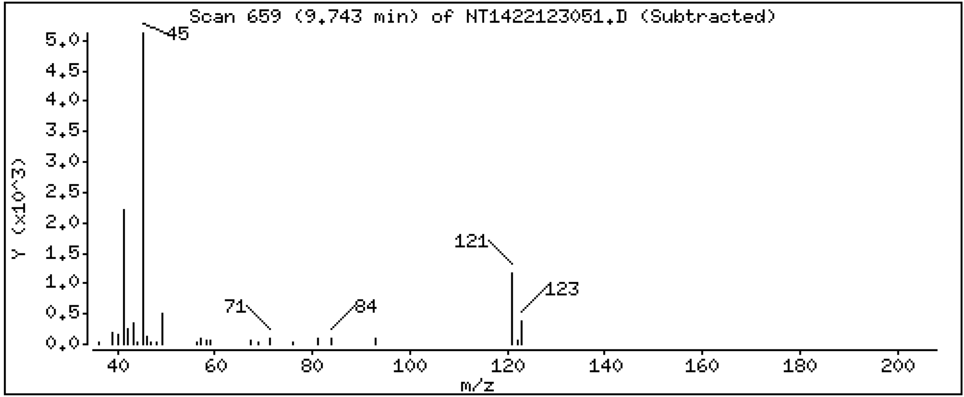
Column phase: ZB-5msi

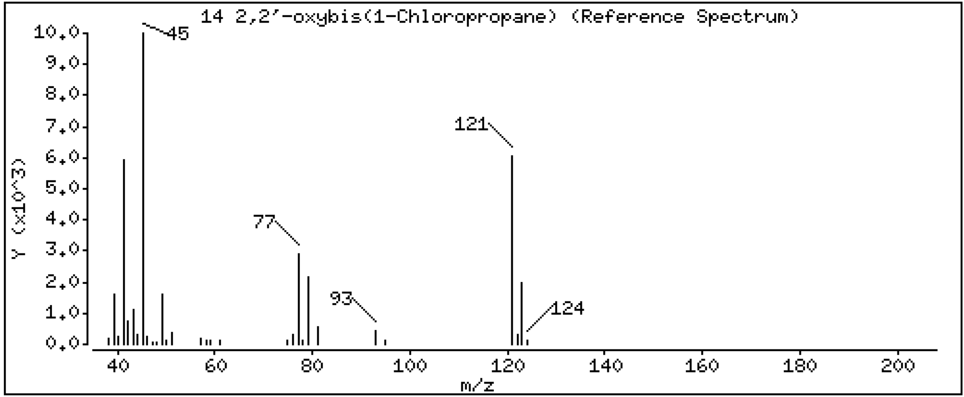
Column diameter: 0.25

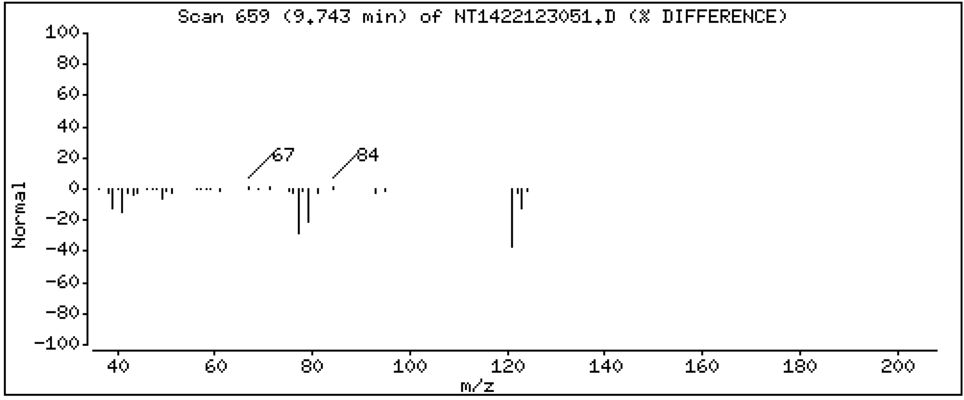
14 2,2'-oxybis(1-Chloropropane)

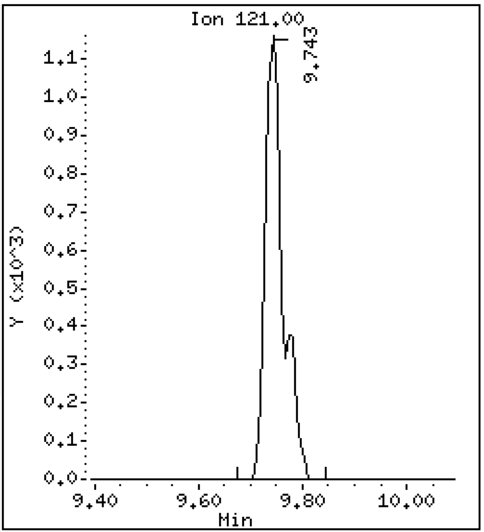
Concentration: 0.2236 ug/mL


Scan 659 (9.743 min) of NT1422123051.D


Scan 659 (9.743 min) of NT1422123051.D (Subtracted)


14 2,2'-oxybis(1-Chloropropane) (Reference Spectrum)


Scan 659 (9.743 min) of NT1422123051.D (% DIFFERENCE)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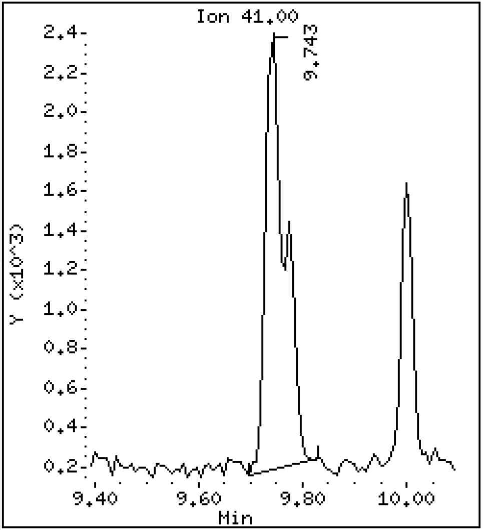
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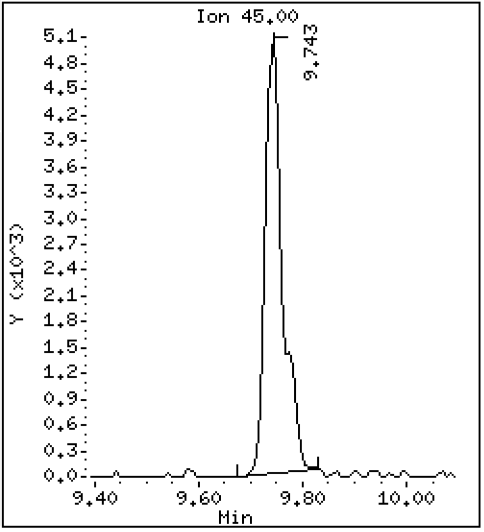
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Data File: \\target\share\chem3\nt14.i\20221230B.b\NT1422123051.D

Date : 31-DEC-2022 14:29

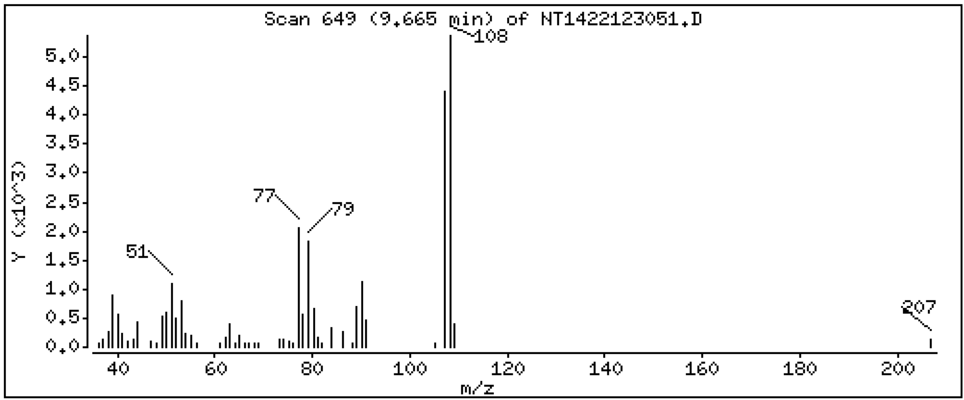
Client ID: Instrument: nt14.i

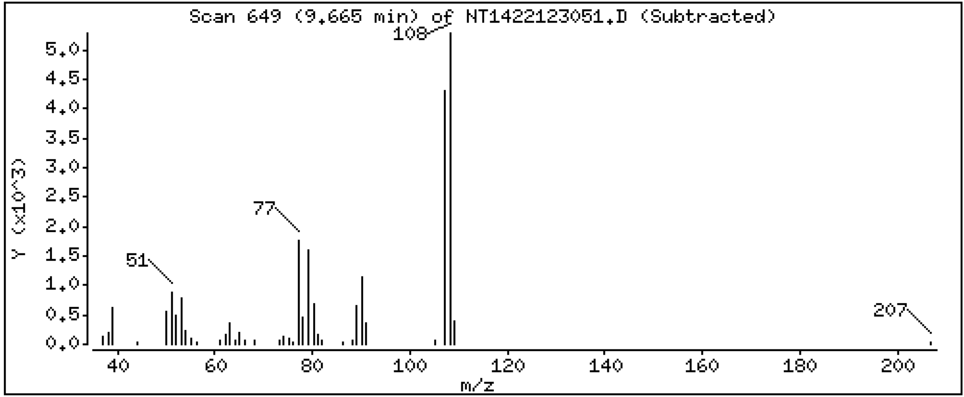
Sample Info: SKL0355-LCV1

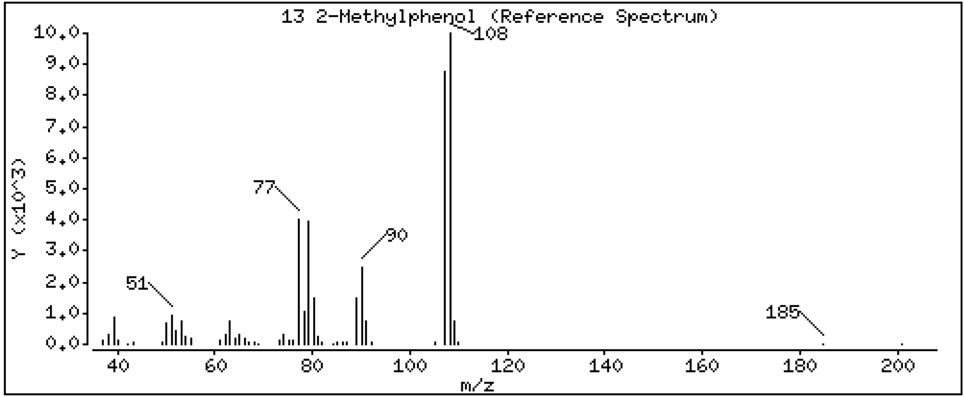
Operator: VTS

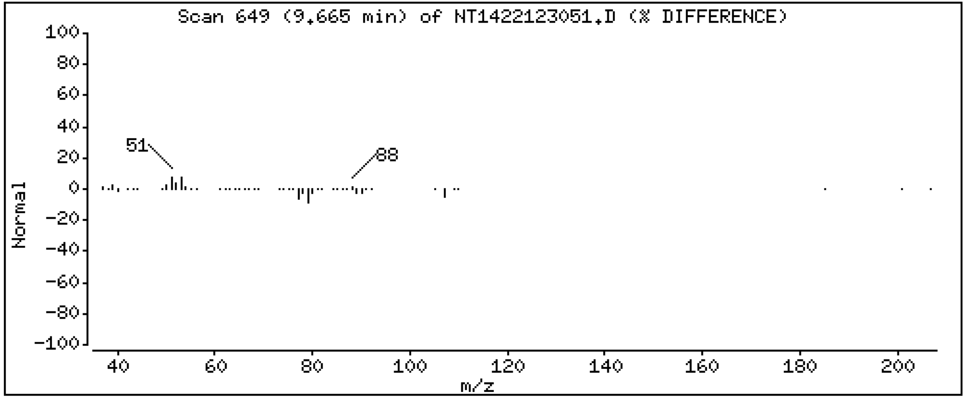
Column phase: ZB-5msi Column diameter: 0.25

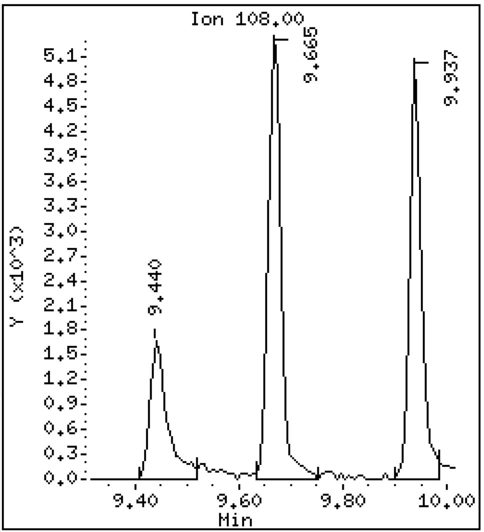
13 2-Methylphenol Concentration: 0.2341 ug/mL

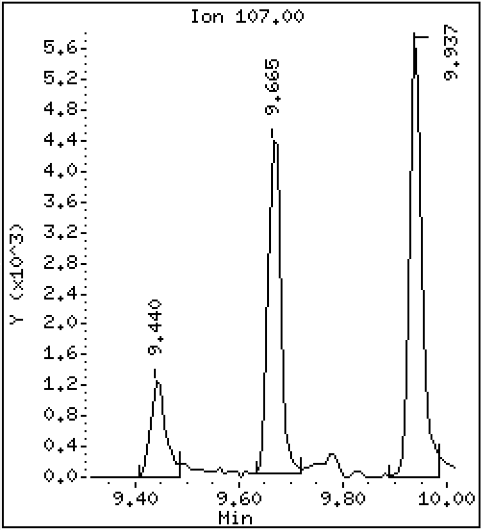


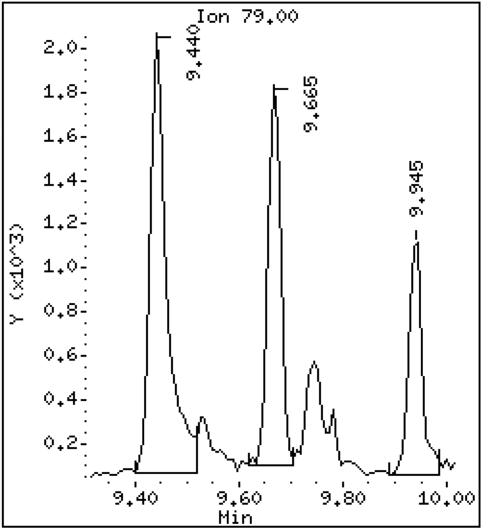












Data File: \\target\share\chem3\nt14.i\20221230B.b\NT1422123051.D

Date : 31-DEC-2022 14:29

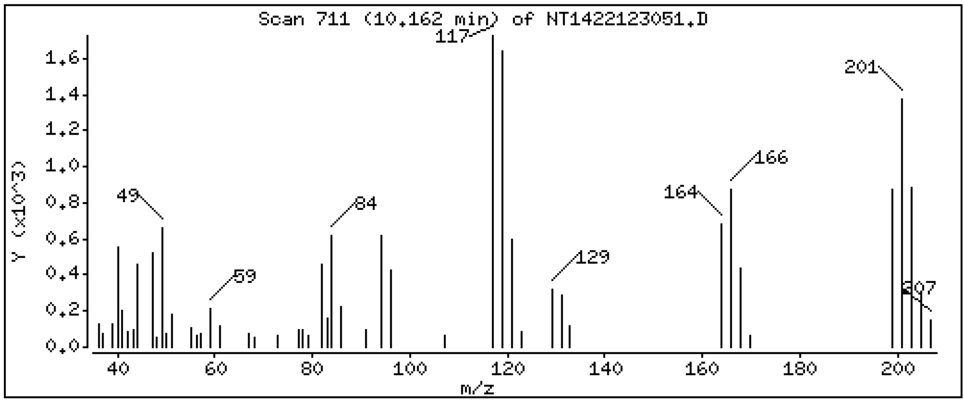
Client ID: Instrument: nt14.i

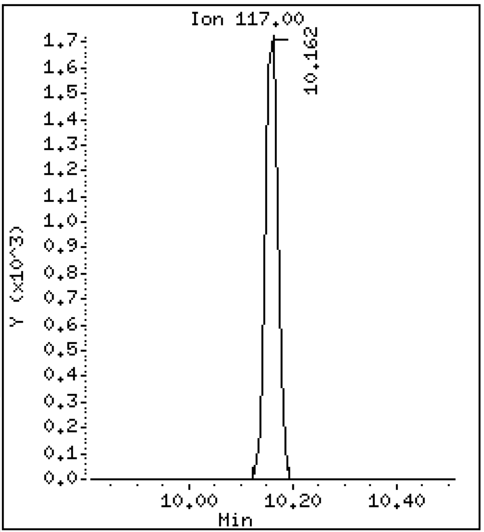
Sample Info: SKL0355-LCV1

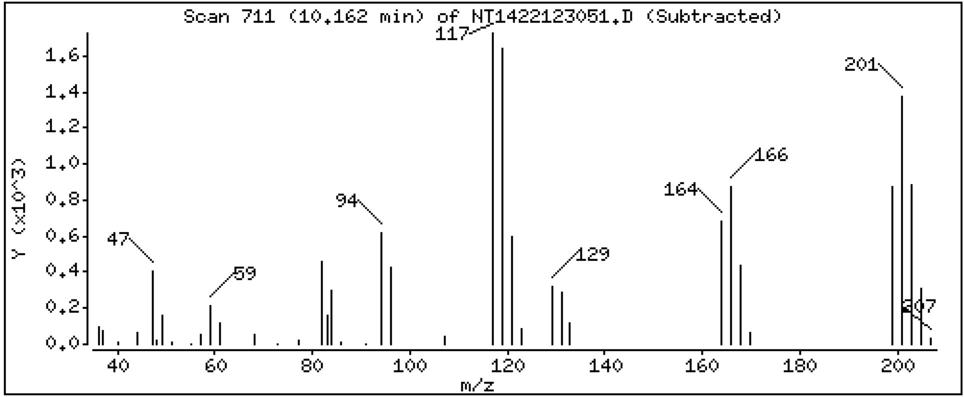
Operator: VTS

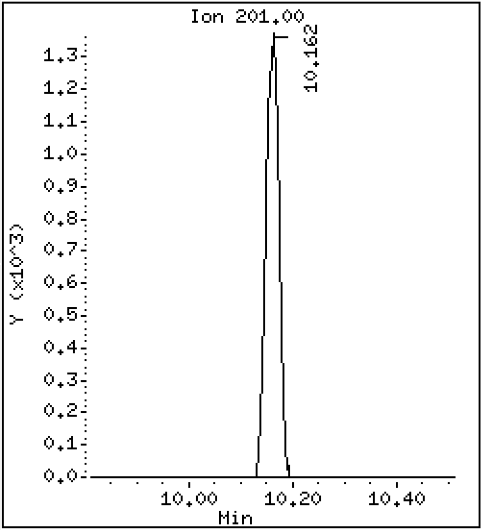
Column phase: ZB-5msi Column diameter: 0.25

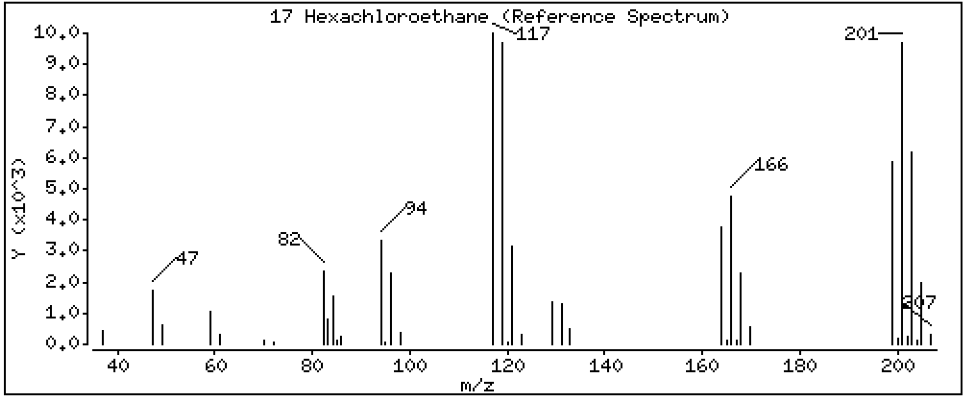
17 Hexachloroethane Concentration: 0.1755 ug/mL

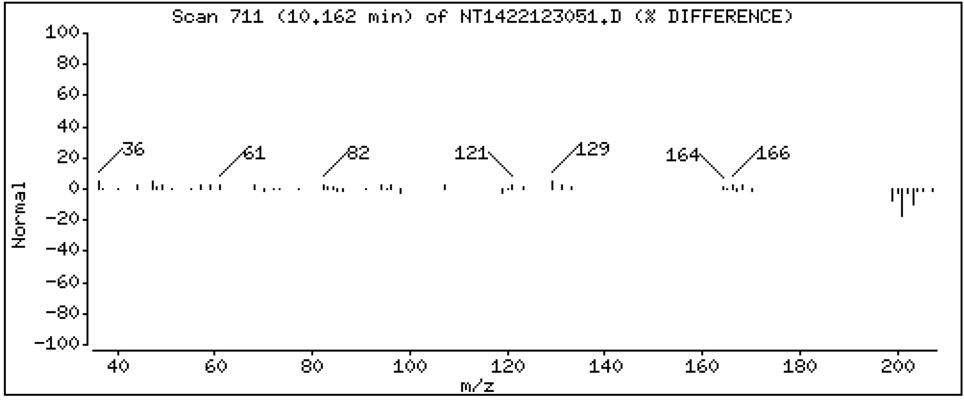


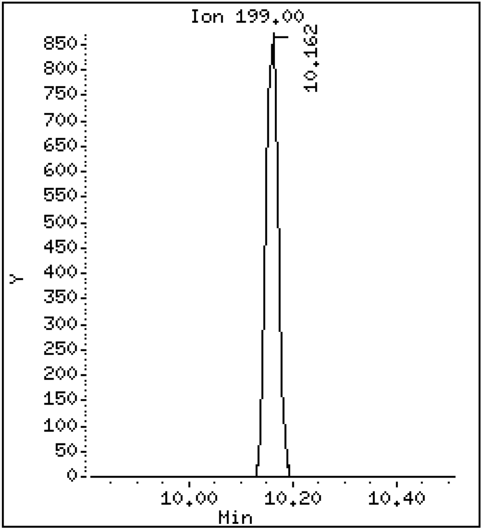












Data File: \\target\share\chem3\nt14.i\20221230B.b\NT1422123051.D

Date : 31-DEC-2022 14:29

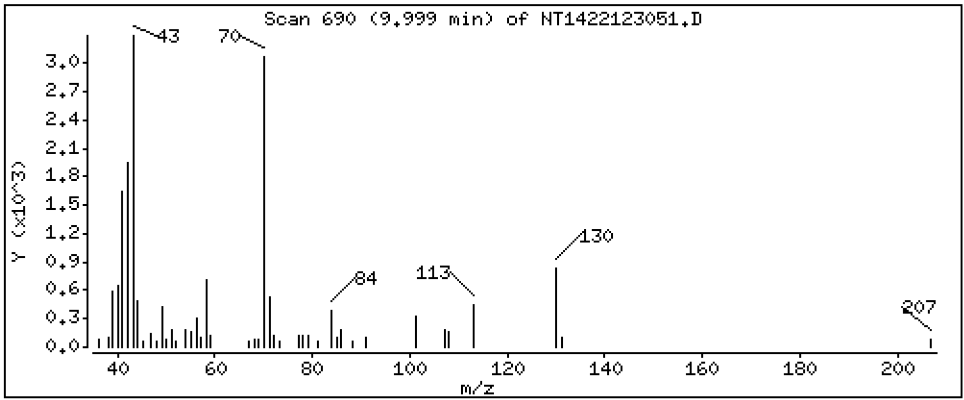
Client ID: Instrument: nt14.i

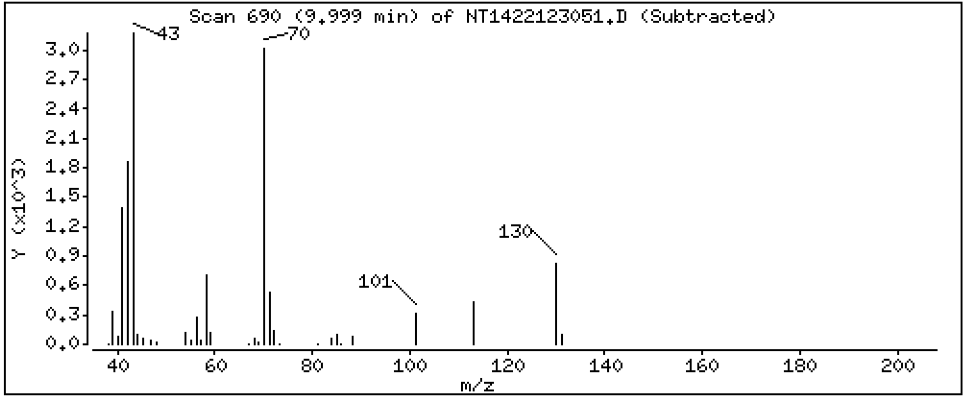
Sample Info: SKL0355-LCV1

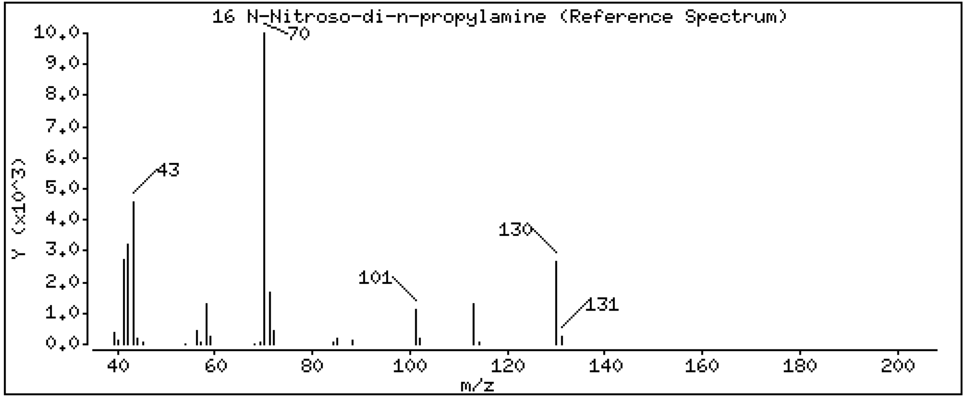
Operator: VTS

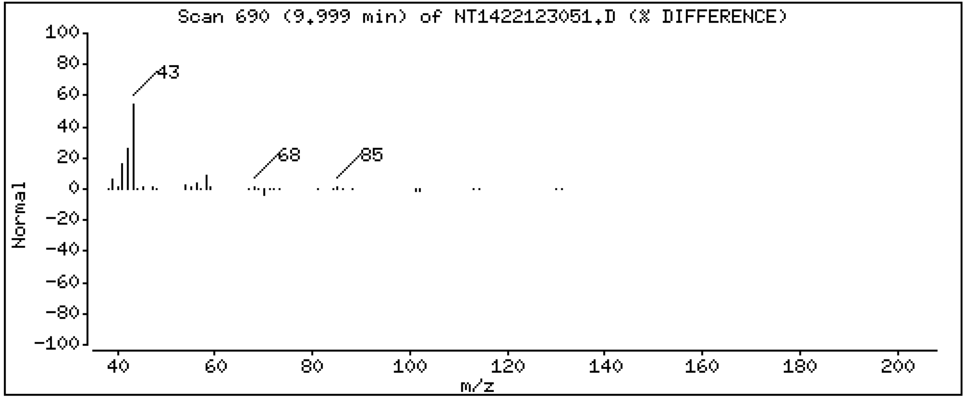
Column phase: ZB-5msi Column diameter: 0.25

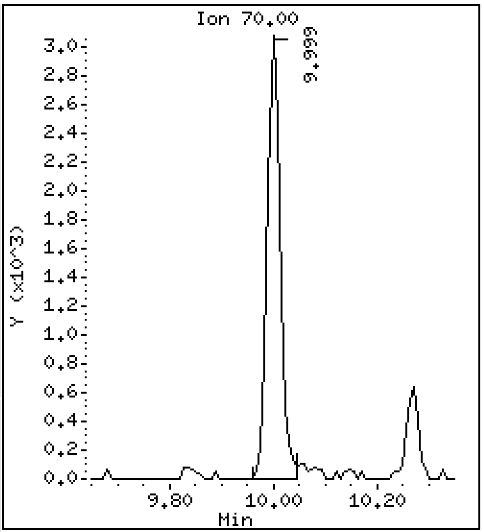
16 N-Nitroso-di-n-propylamine Concentration: 0.2208 ug/mL

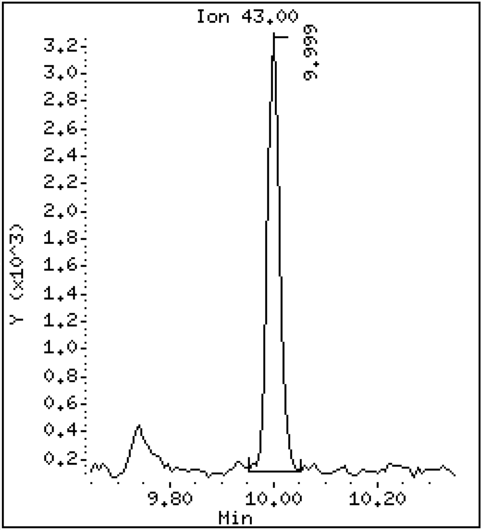

Scan 690 (9.999 min) of NT1422123051.D

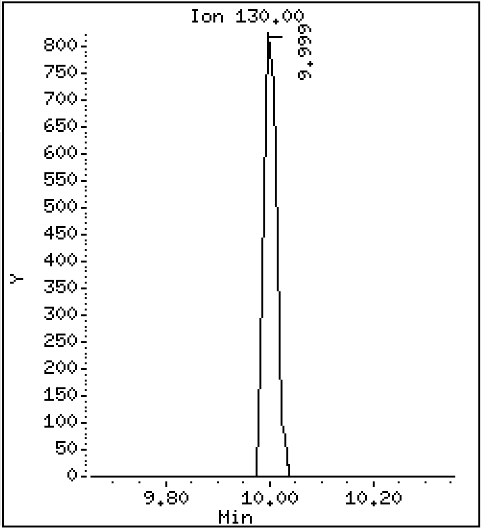

Scan 690 (9.999 min) of NT1422123051.D (Subtracted)


16 N-Nitroso-di-n-propylamine (Reference Spectrum)


Scan 690 (9.999 min) of NT1422123051.D (% DIFFERENCE)


Ion 70.00


Ion 43.00


Ion 130.00

Date : 31-DEC-2022 14:29

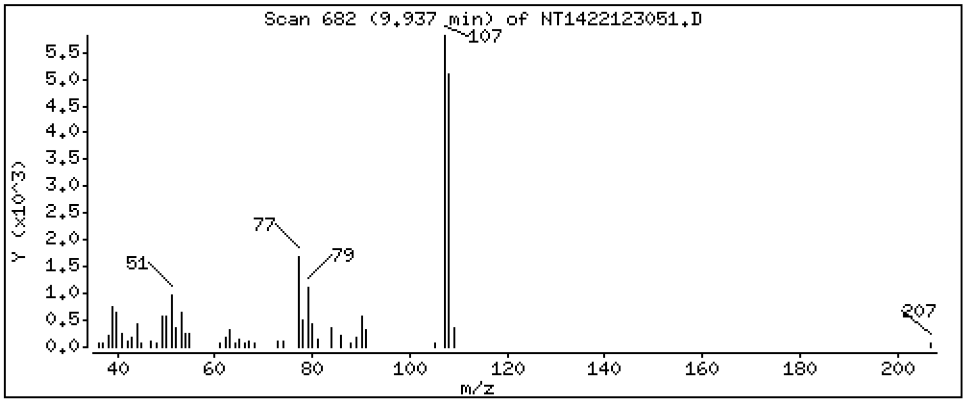
Client ID: Instrument: nt14.i

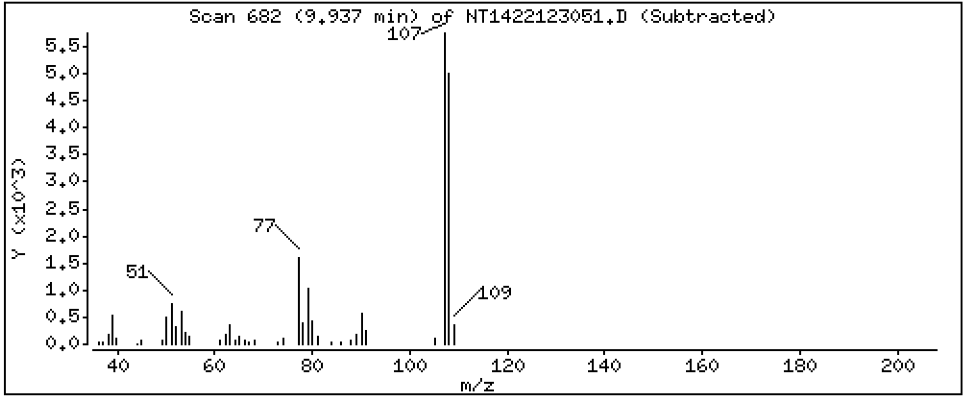
Sample Info: SKL0355-LCV1

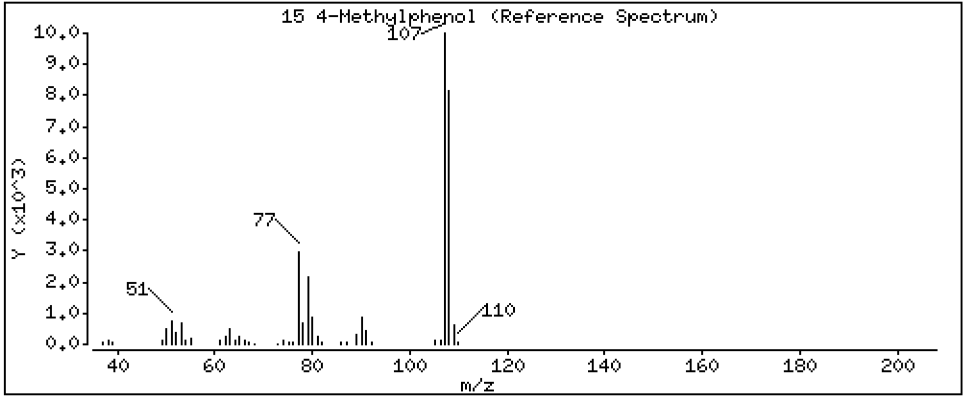
Operator: VTS

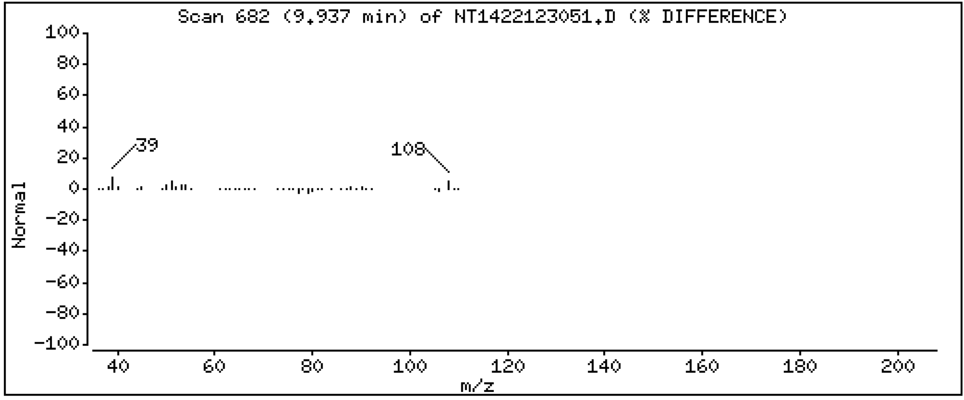
Column phase: ZB-5msi Column diameter: 0.25

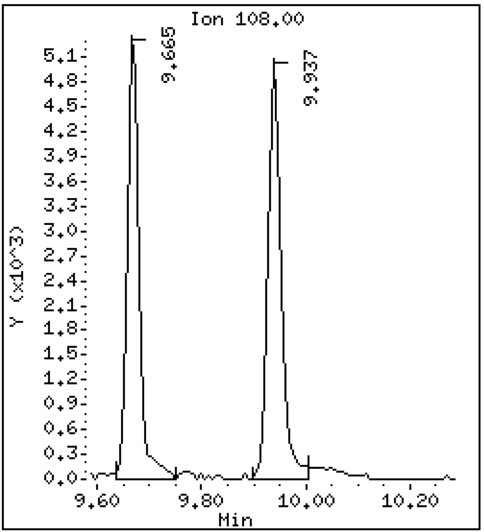
15 4-Methylphenol Concentration: 0.2121 ug/mL

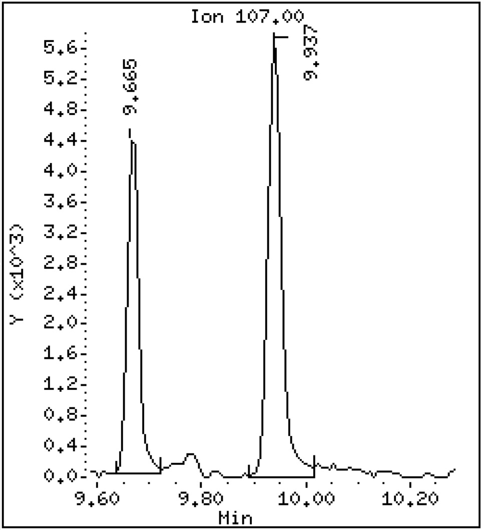

Scan 682 (9.937 min) of NT1422123051.D

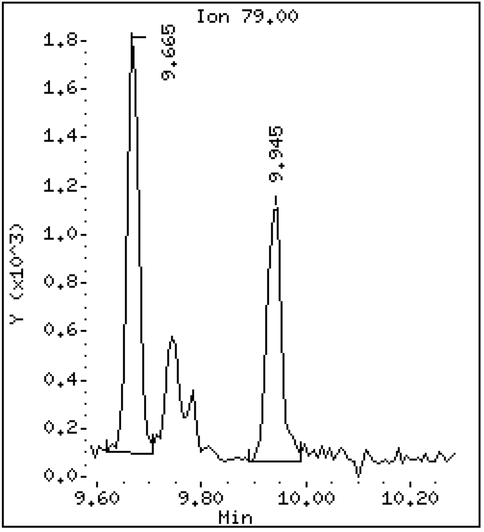

Scan 682 (9.937 min) of NT1422123051.D (Subtracted)


15 4-Methylphenol (Reference Spectrum)


Scan 682 (9.937 min) of NT1422123051.D (% DIFFERENCE)


Ion 108.00


Ion 107.00


Ion 79.00

Data File: \\target\share\chem3\nt14.i\20221230B.b\NT1422123051.D

Date : 31-DEC-2022 14:29

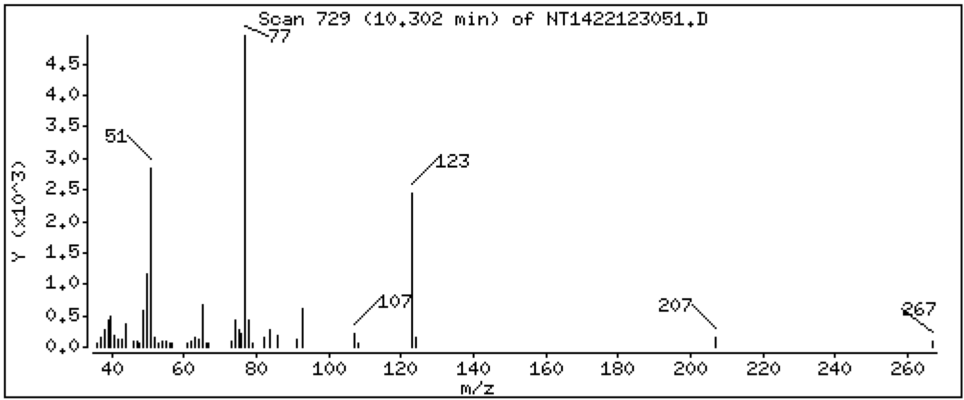
Client ID: Instrument: nt14.i

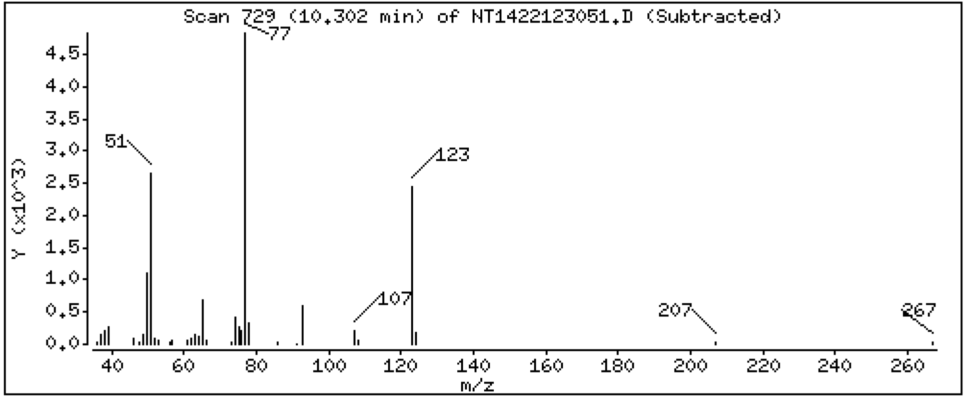
Sample Info: SKL0355-LCV1

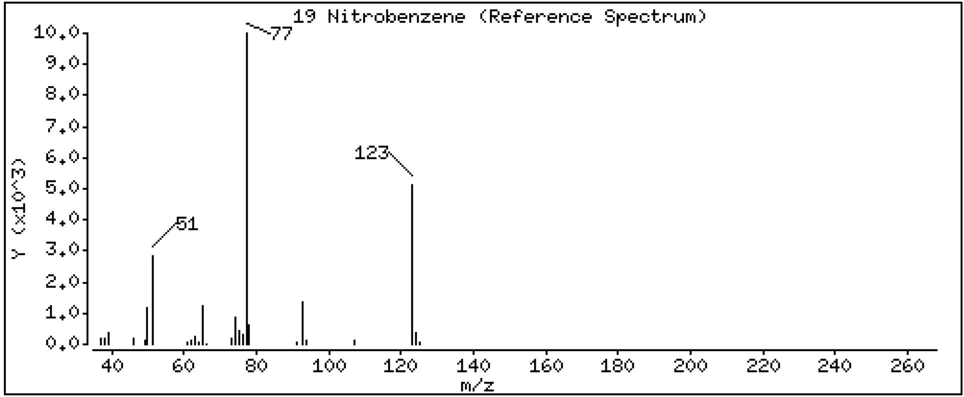
Operator: VTS

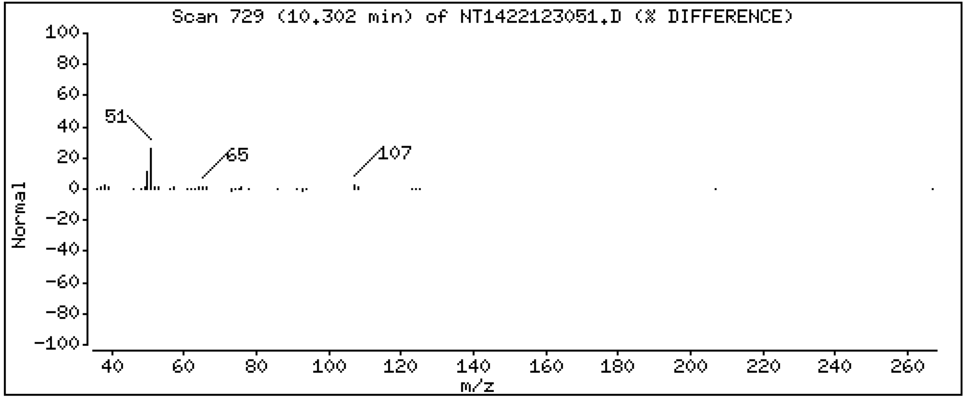
Column phase: ZB-5msi Column diameter: 0.25

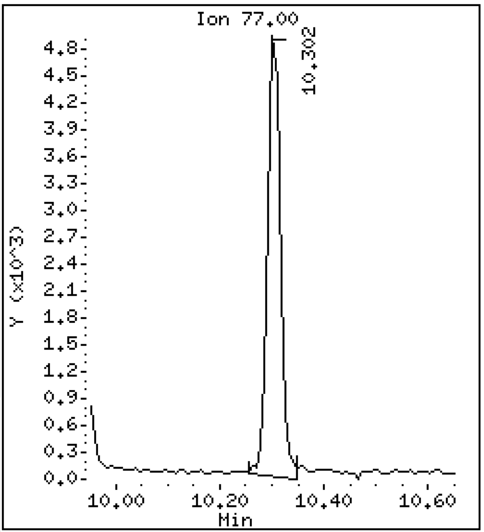
19 Nitrobenzene Concentration: 0.2254 ug/mL

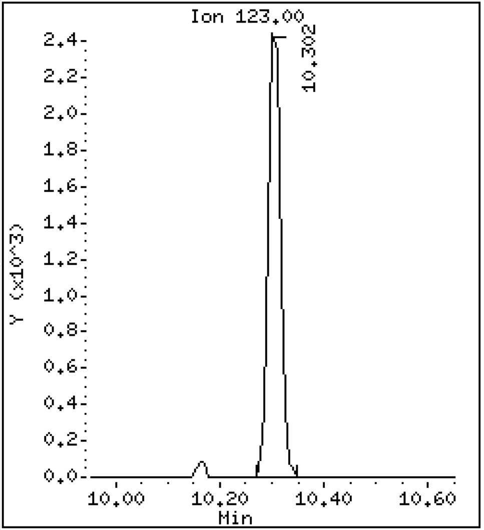

Scan 729 (10.302 min) of NT1422123051.D

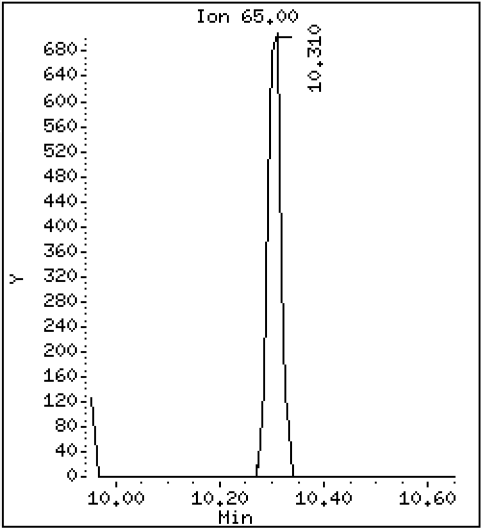

Scan 729 (10.302 min) of NT1422123051.D (Subtracted)


19 Nitrobenzene (Reference Spectrum)


Scan 729 (10.302 min) of NT1422123051.D (% DIFFERENCE)


Ion 77.00


Ion 123.00


Ion 65.00

Data File: \\target\share\chem3\nt14.i\20221230B.b\NT1422123051.D

Date : 31-DEC-2022 14:29

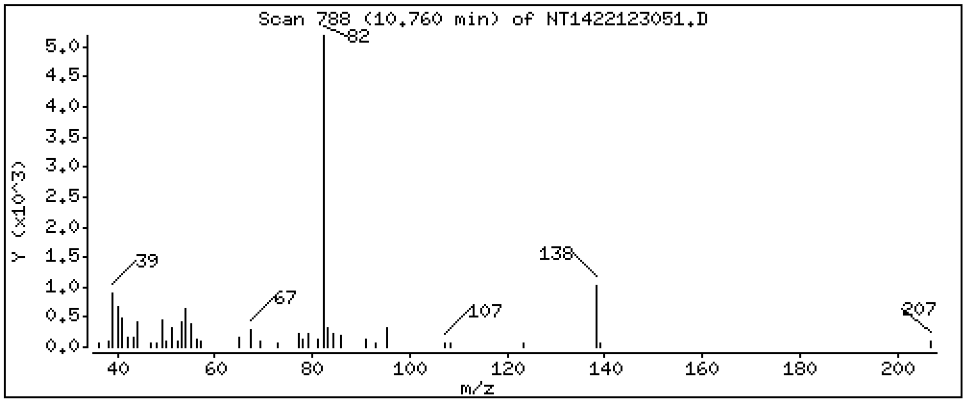
Client ID: Instrument: nt14.i

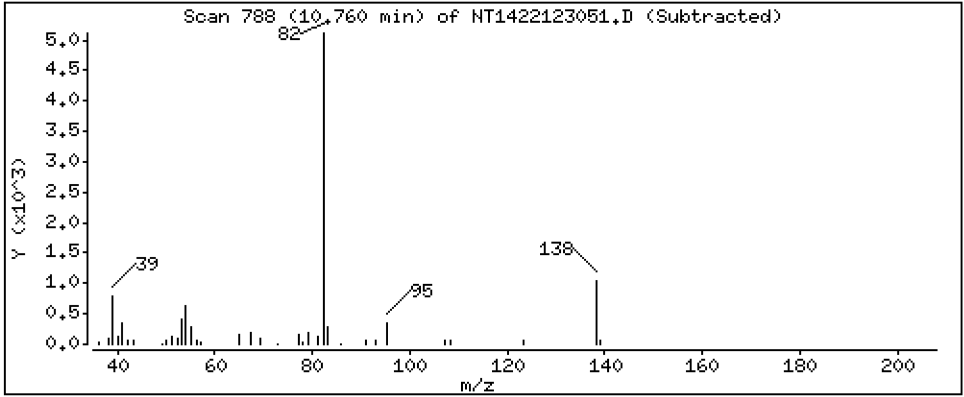
Sample Info: SKL0355-LCV1

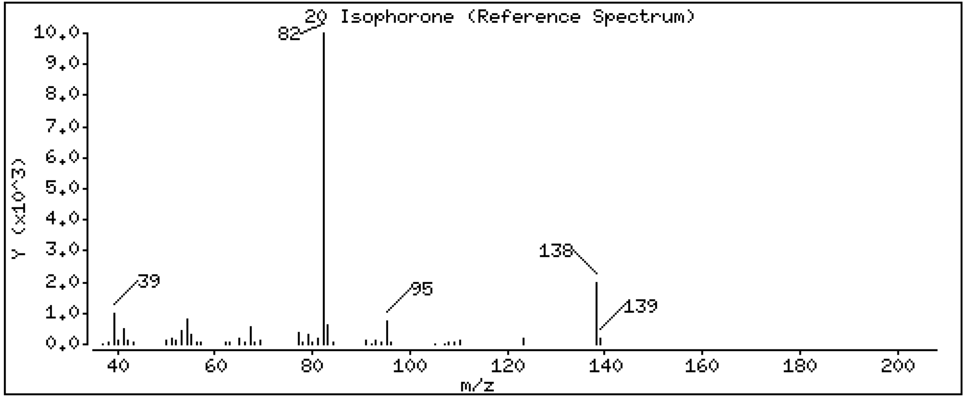
Operator: VTS

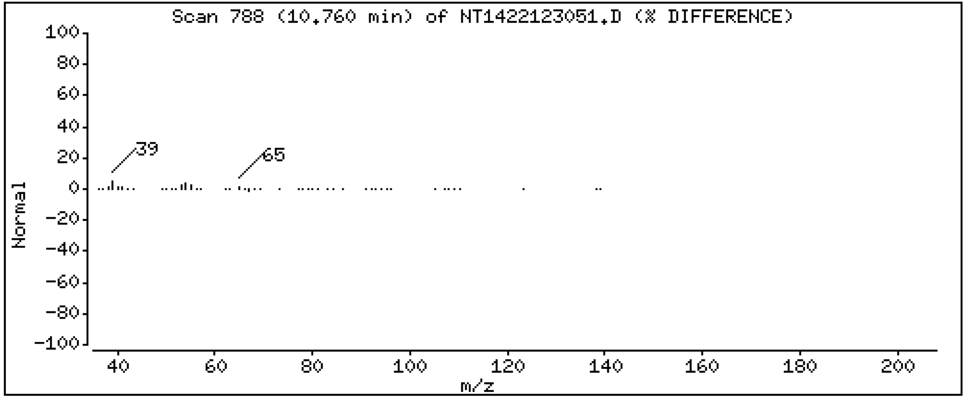
Column phase: ZB-5msi Column diameter: 0.25

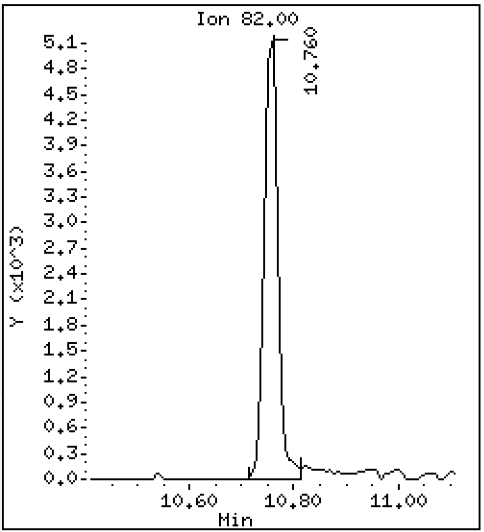
20 Isophorone Concentration: 0.1965 ug/mL

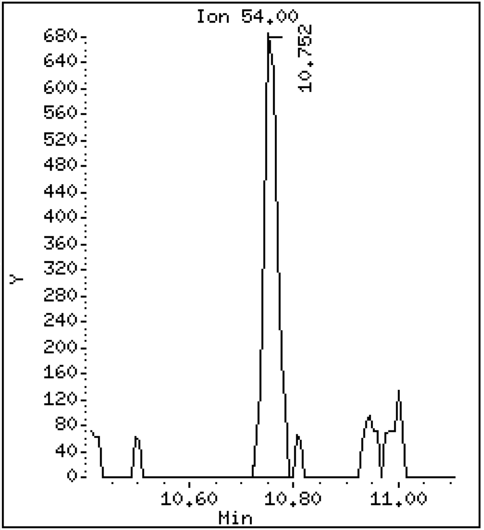

Scan 788 (10.760 min) of NT1422123051.D

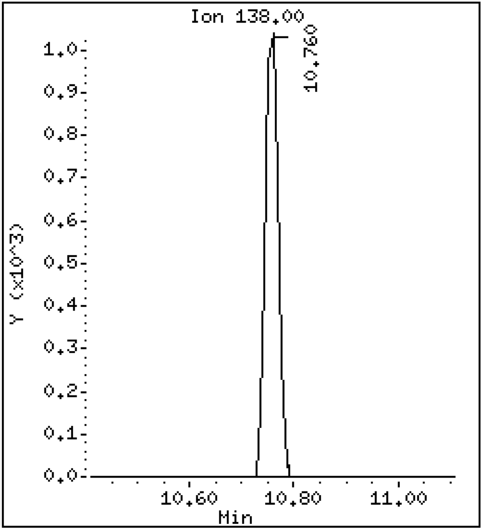

Scan 788 (10.760 min) of NT1422123051.D (Subtracted)


20 Isophorone (Reference Spectrum)


Scan 788 (10.760 min) of NT1422123051.D (% DIFFERENCE)


Ion 82.00


Ion 54.00


Ion 138.00

Data File: \\target\share\chem3\nt14.i\20221230B.b\NT1422123051.D

Date : 31-DEC-2022 14:29

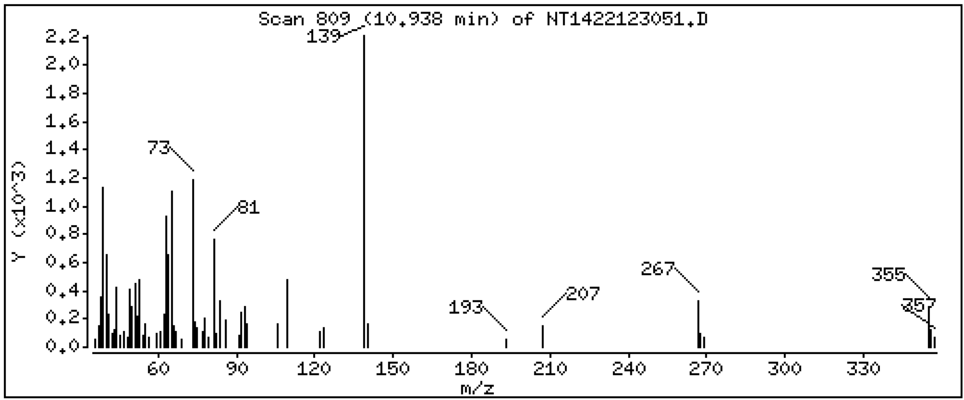
Client ID: Instrument: nt14.i

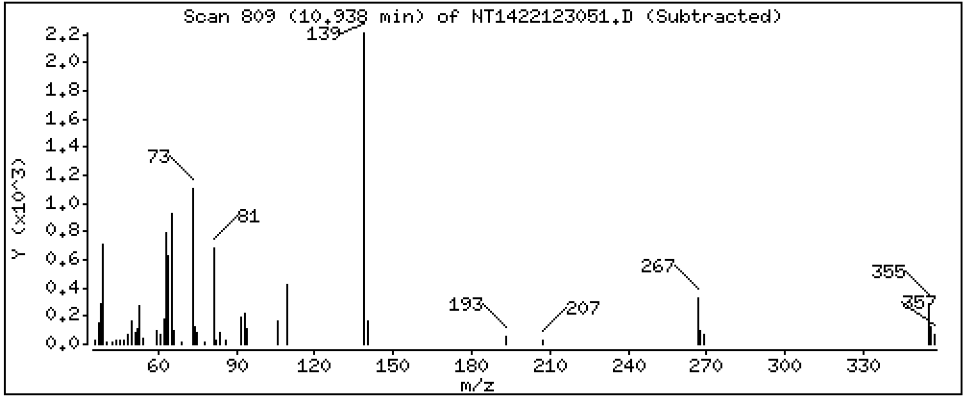
Sample Info: SKL0355-LCV1

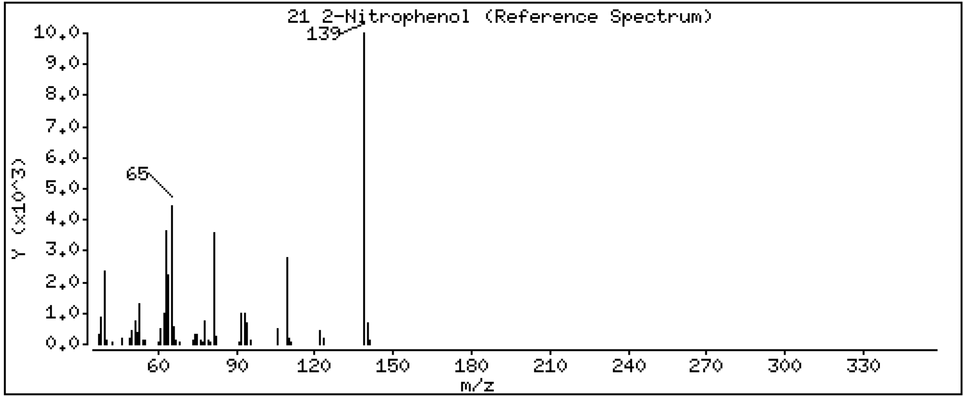
Operator: VTS

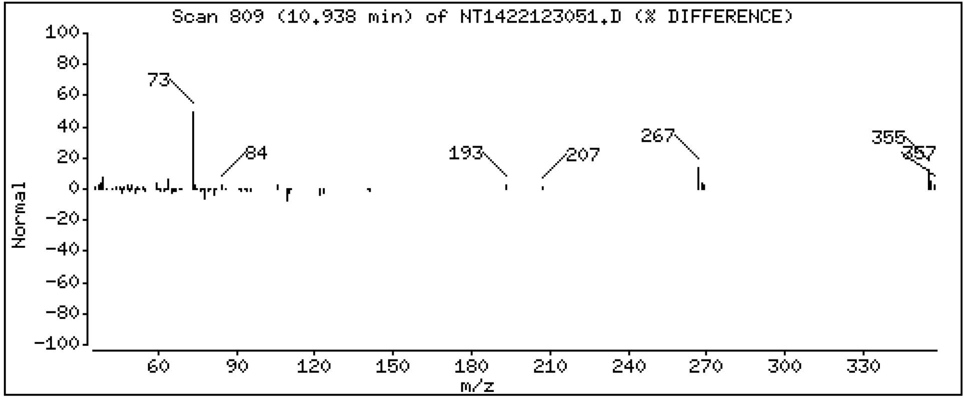
Column phase: ZB-5msi Column diameter: 0.25

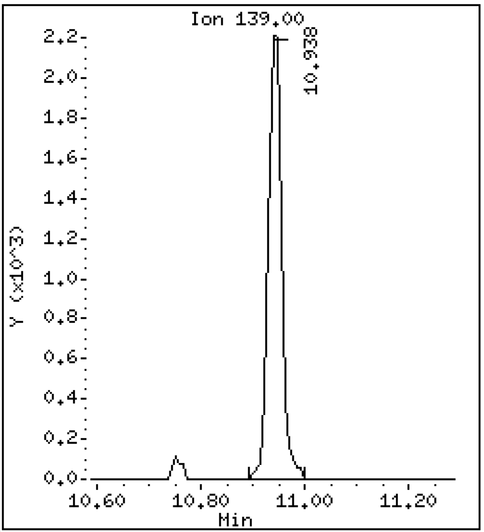
21 2-Nitrophenol Concentration: 0.2028 ug/mL

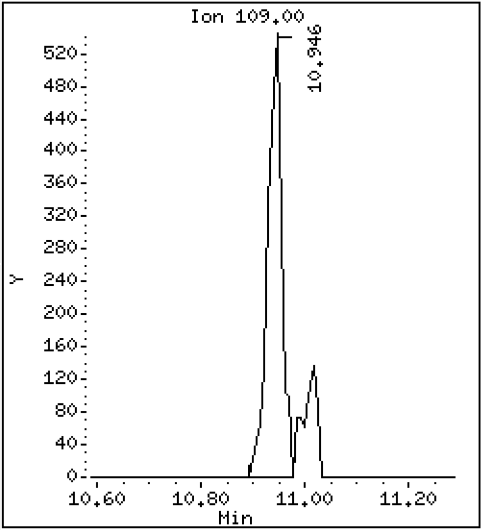


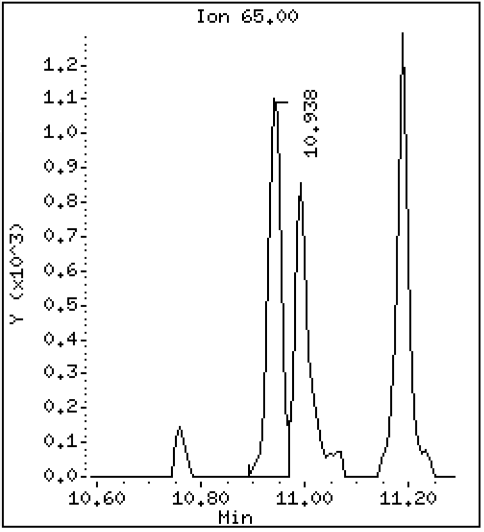












Data File: \\target\share\chem3\nt14.i\20221230B.b\NT1422123051.D

Date : 31-DEC-2022 14:29

Client ID:

Instrument: nt14.i

Sample Info: SKL0355-LCV1

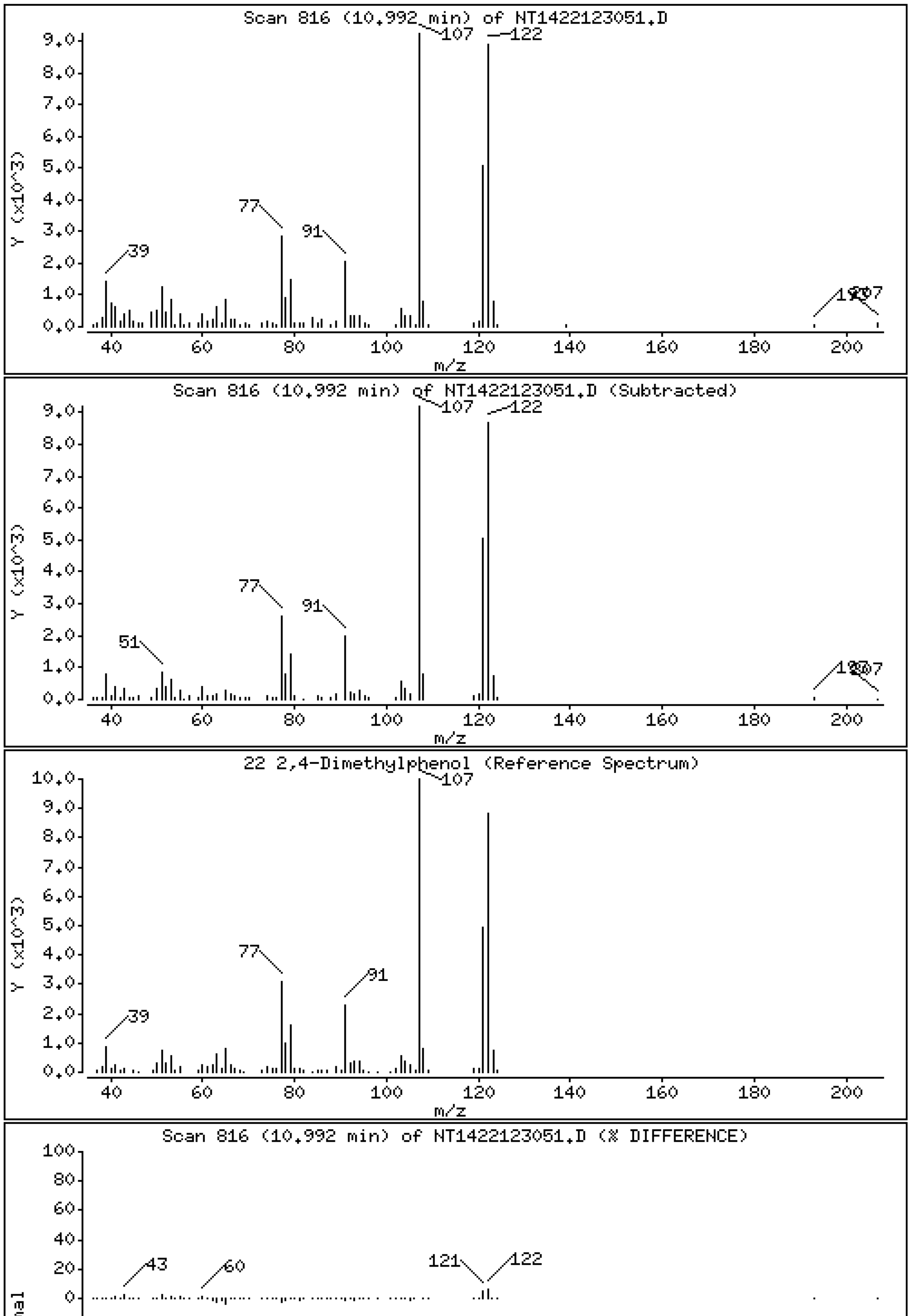
Operator: VTS

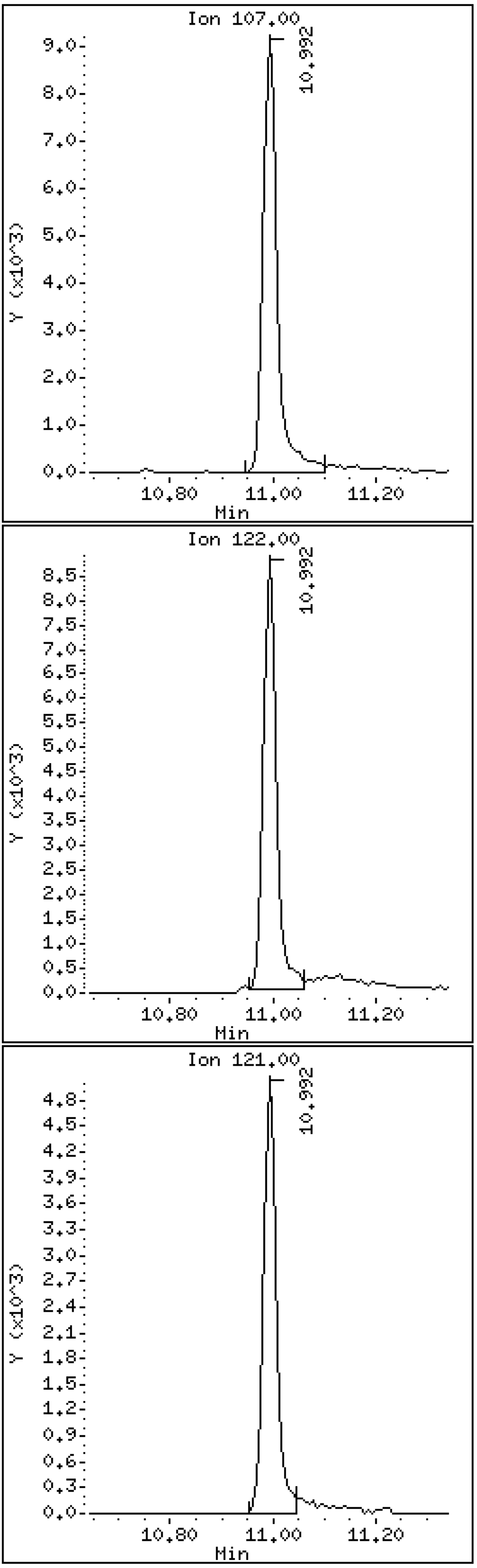
Column phase: ZB-5msi

Column diameter: 0.25

22 2,4-Dimethylphenol

Concentration: 0.4556 ug/mL





Date : 31-DEC-2022 14:29

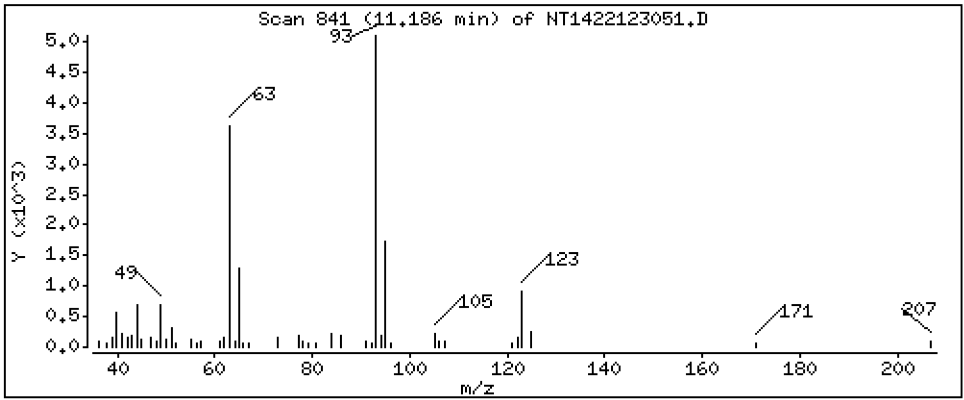
Client ID: Instrument: nt14.i

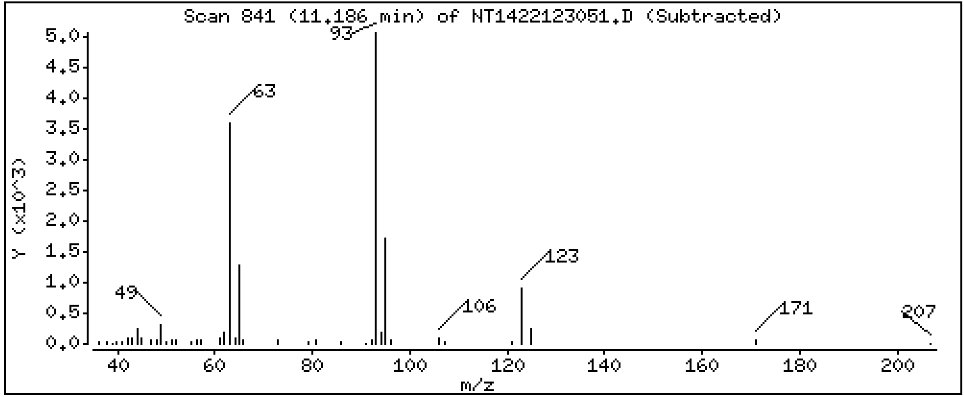
Sample Info: SKL0355-LCV1

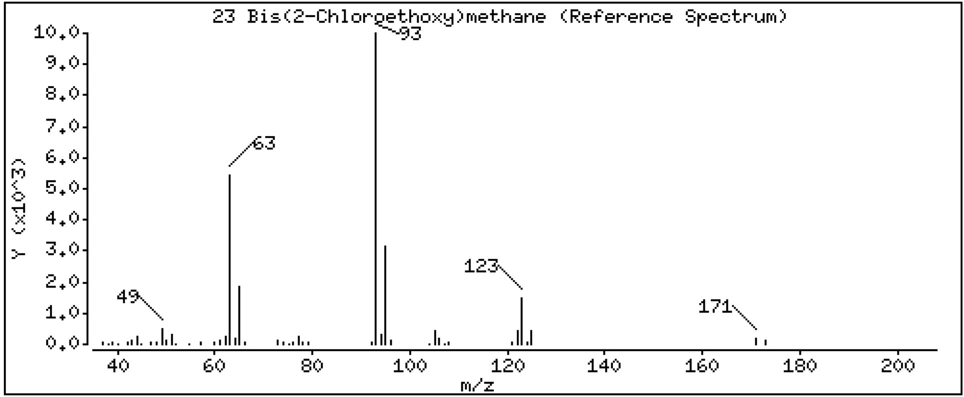
Operator: VTS

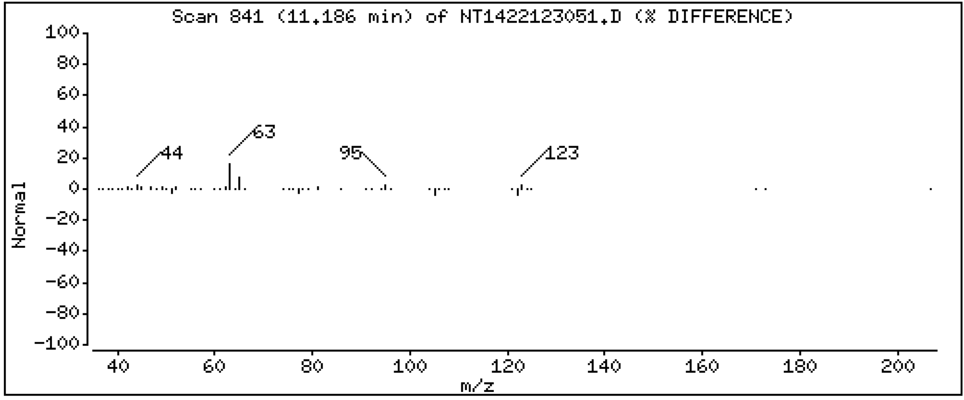
Column phase: ZB-5msi Column diameter: 0.25

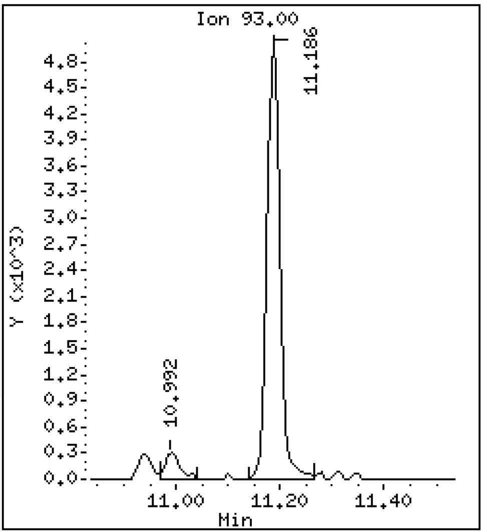
23 Bis(2-Chloroethoxy)methane Concentration: 0.2358 ug/mL

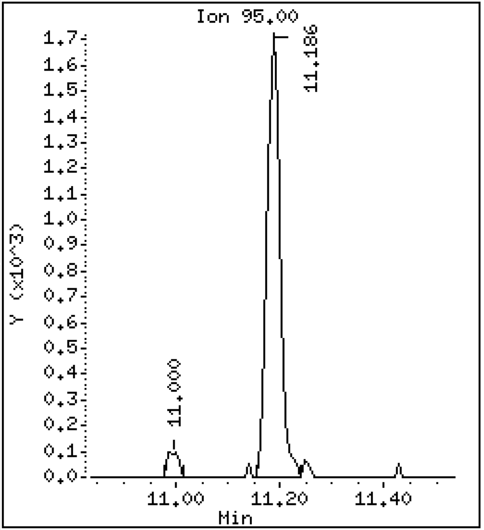

Scan 841 (11.186 min) of NT1422123051.D

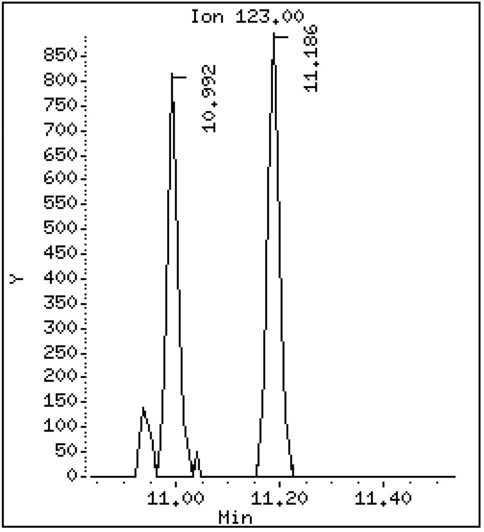

Scan 841 (11.186 min) of NT1422123051.D (Subtracted)


23 Bis(2-Chloroethoxy)methane (Reference Spectrum)


Scan 841 (11.186 min) of NT1422123051.D (% DIFFERENCE)


Ion 93.00


Ion 95.00


Ion 123.00

Data File: \\target\share\chem3\nt14.i\20221230B.b\NT1422123051.D

Date : 31-DEC-2022 14:29

Client ID:

Instrument: nt14.i

Sample Info: SKL0355-LCV1

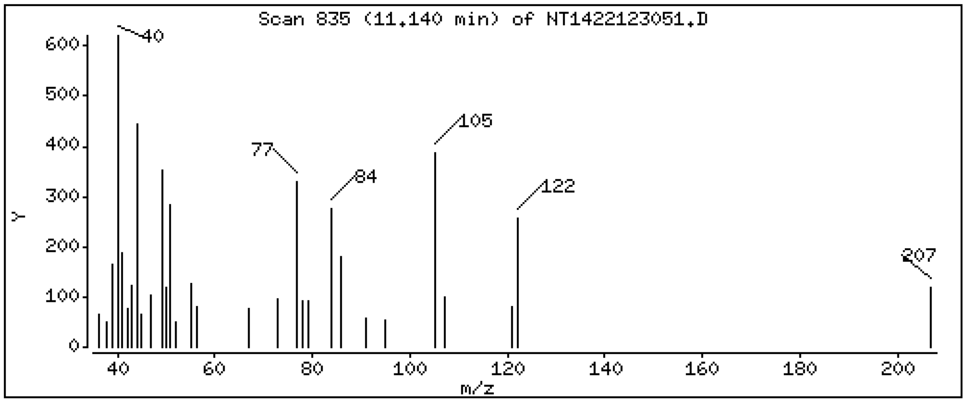
Operator: VTS

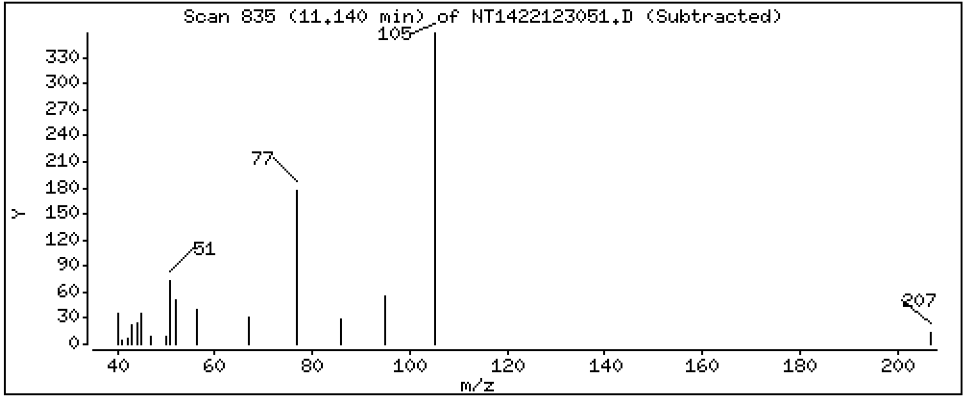
Column phase: ZB-5msi

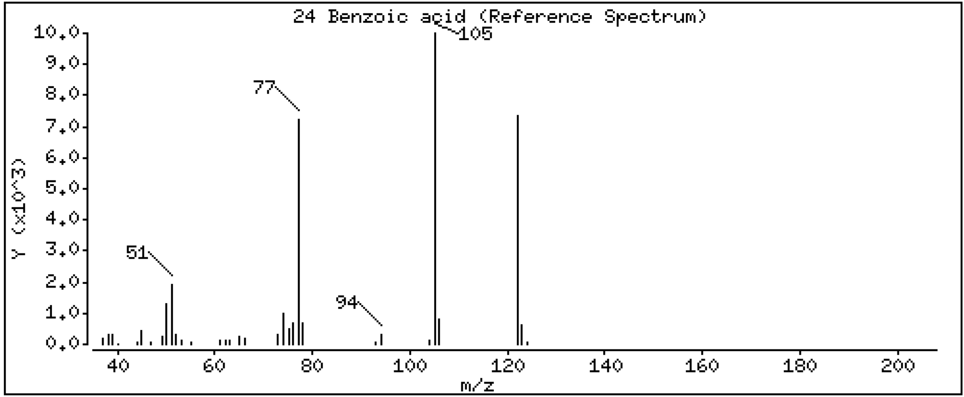
Column diameter: 0.25

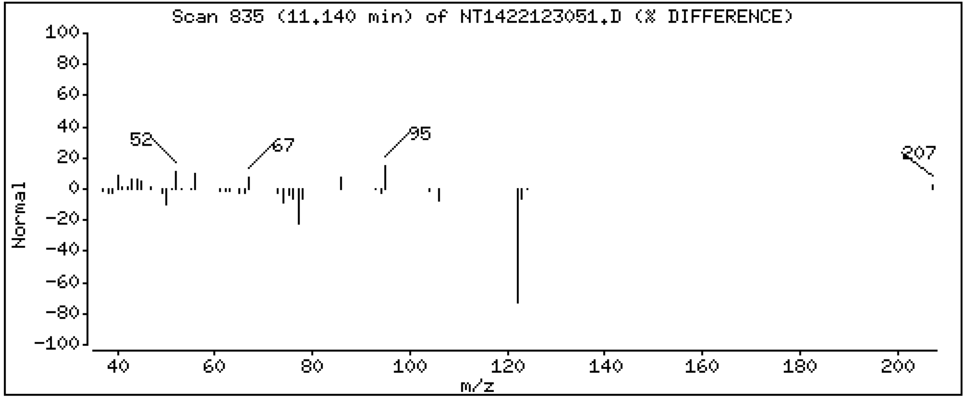
24 Benzoic acid

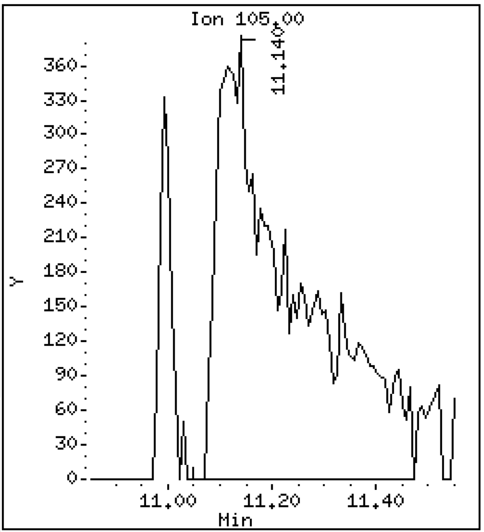
Concentration: 0.1748 ug/mL


Scan 835 (11.140 min) of NT1422123051.D


Scan 835 (11.140 min) of NT1422123051.D (Subtracted)


24 Benzoic acid (Reference Spectrum)


Scan 835 (11.140 min) of NT1422123051.D (% DIFFERENCE)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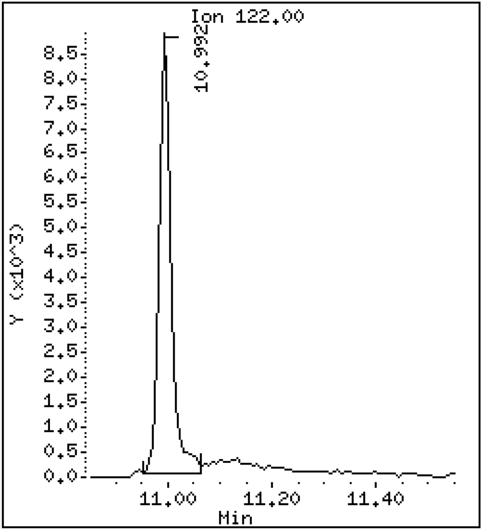
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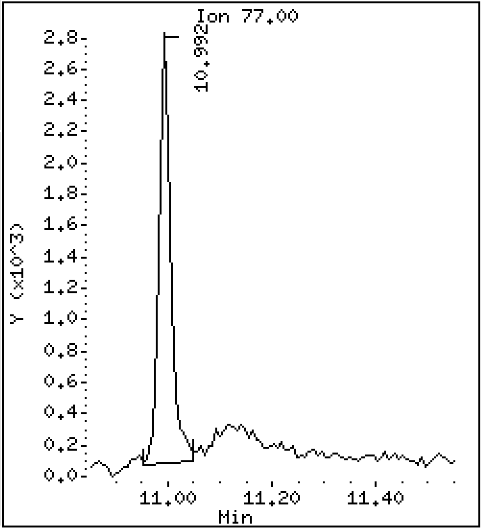

Ion 77.00

Data File: \\target\share\chem3\nt14.i\20221230B.b\NT1422123051.D

Date : 31-DEC-2022 14:29

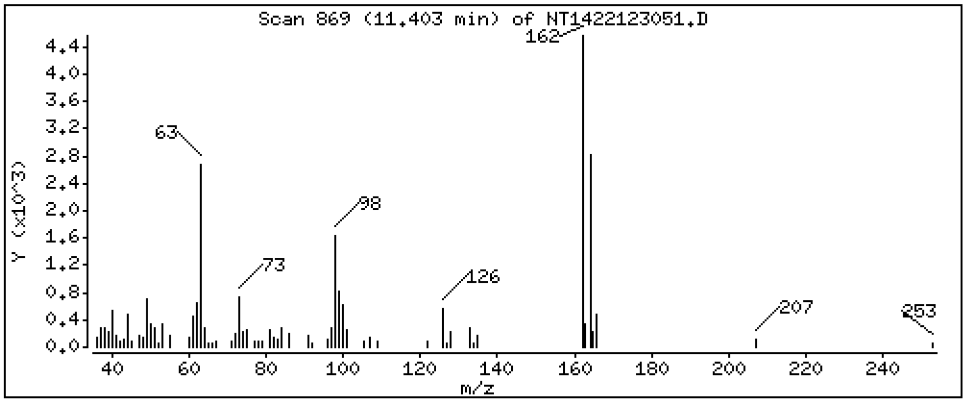
Client ID: Instrument: nt14.i

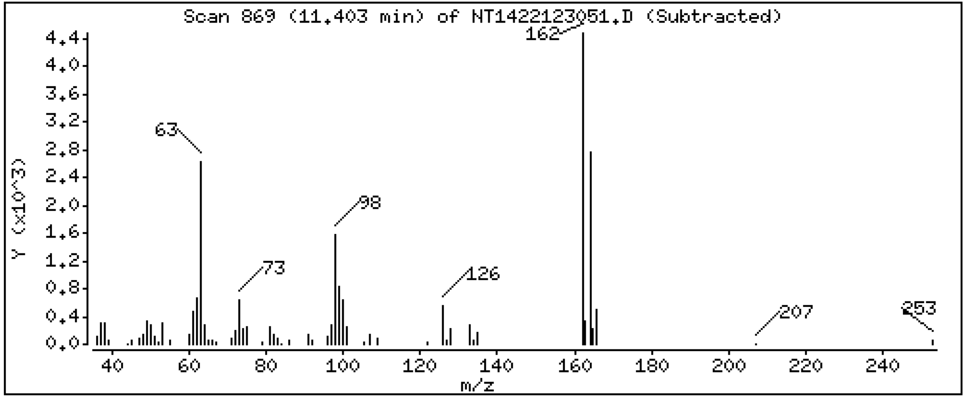
Sample Info: SKL0355-LCV1

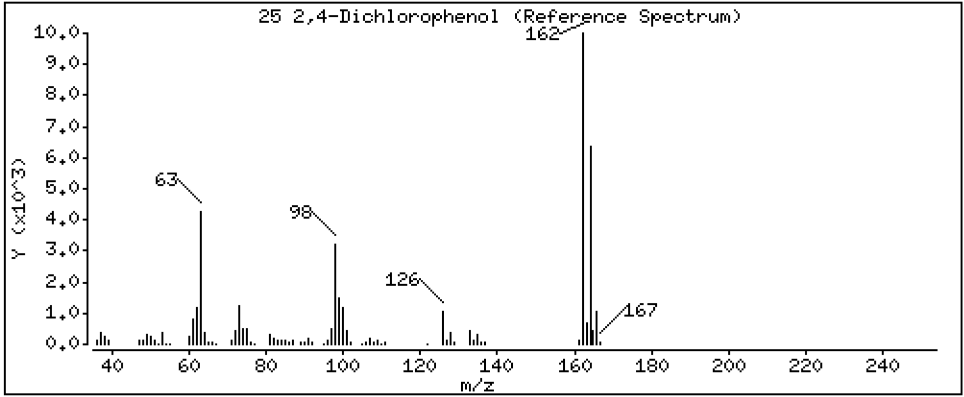
Operator: VTS

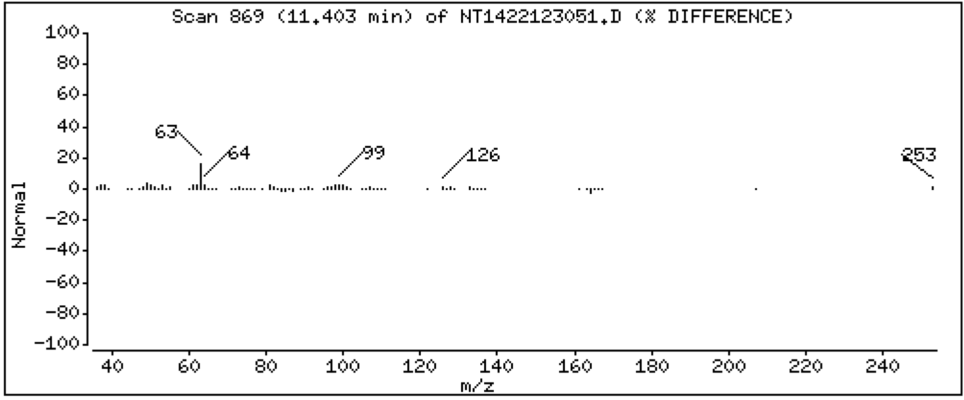
Column phase: ZB-5msi Column diameter: 0.25

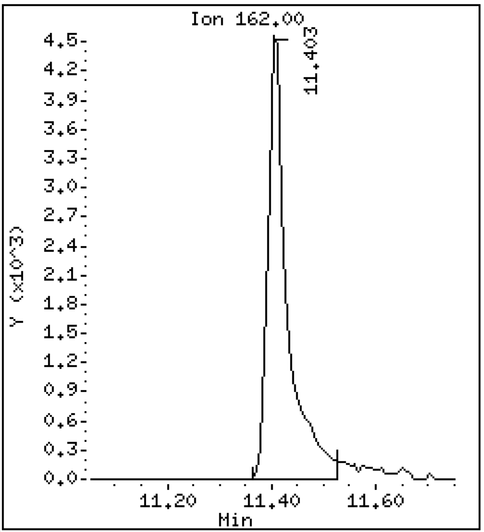
25 2,4-Dichlorophenol Concentration: 0.4132 ug/mL

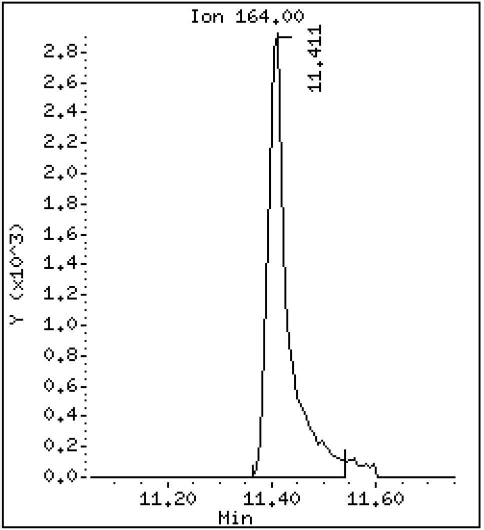


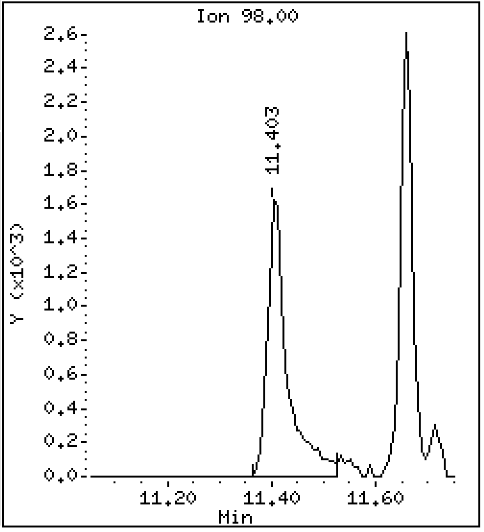












Data File: \\target\share\chem3\nt14.i\20221230B.b\NT1422123051.D

Date : 31-DEC-2022 14:29

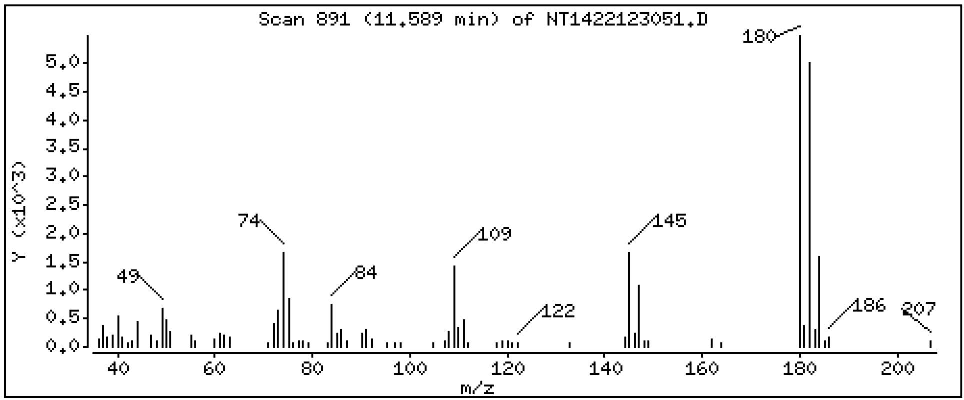
Client ID: Instrument: nt14.i

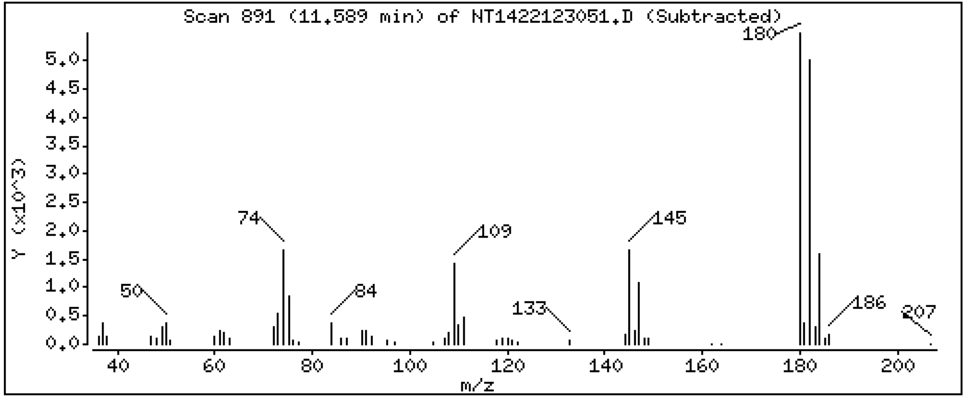
Sample Info: SKL0355-LCV1

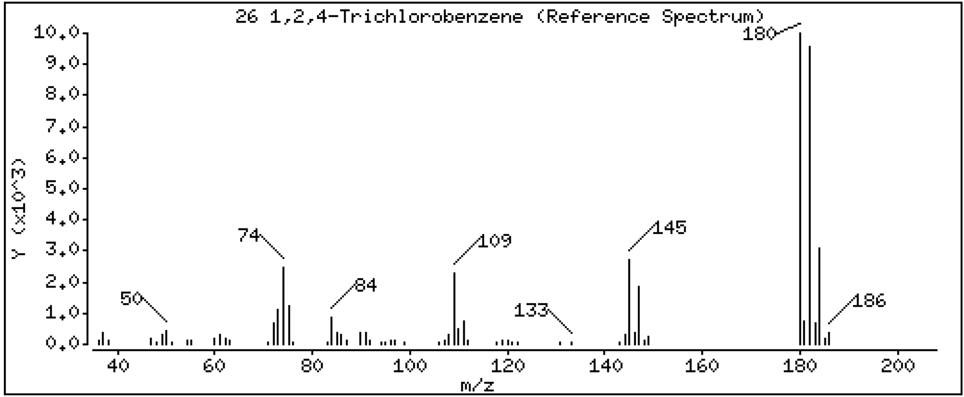
Operator: VTS

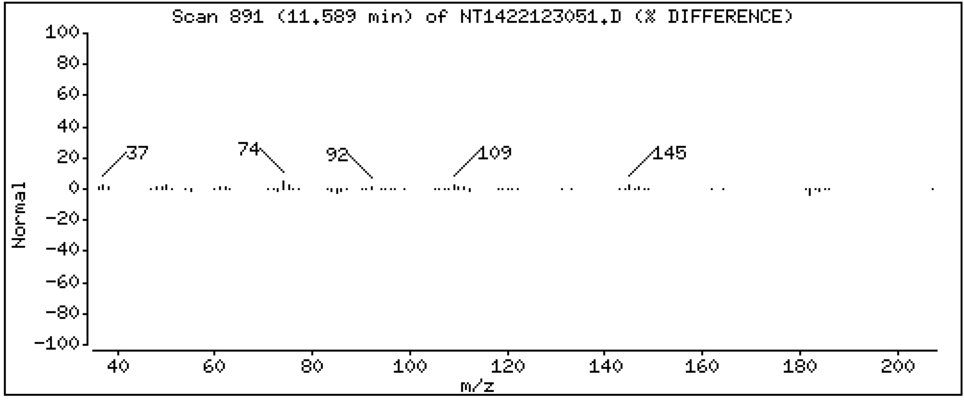
Column phase: ZB-5msi Column diameter: 0.25

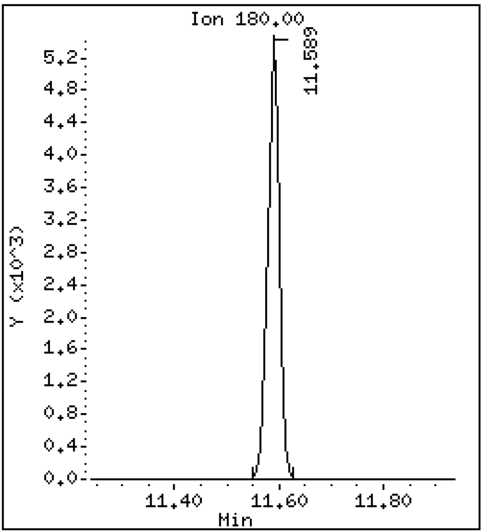
26 1,2,4-Trichlorobenzene Concentration: 0.2422 ug/mL

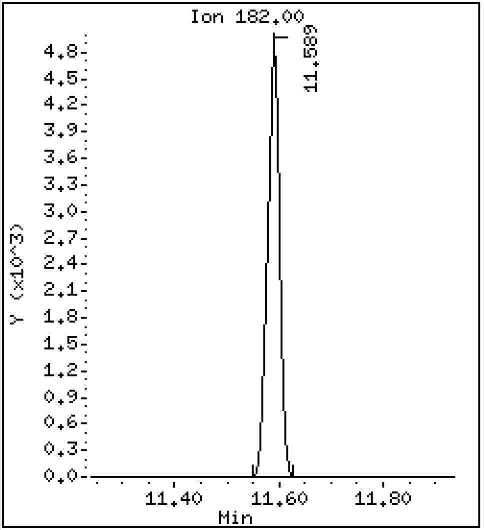


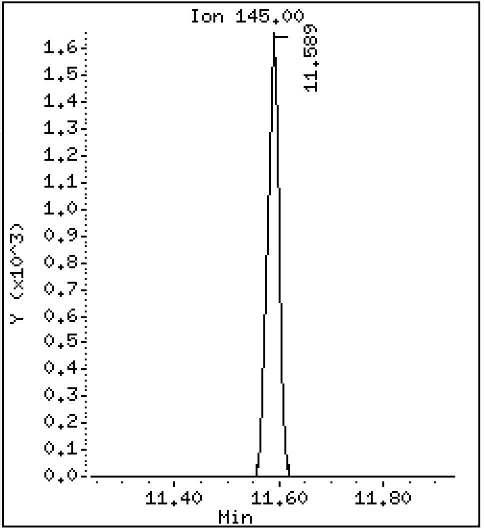












Data File: \\target\share\chem3\nt14.i\20221230B.b\NT1422123051.D

Date : 31-DEC-2022 14:29

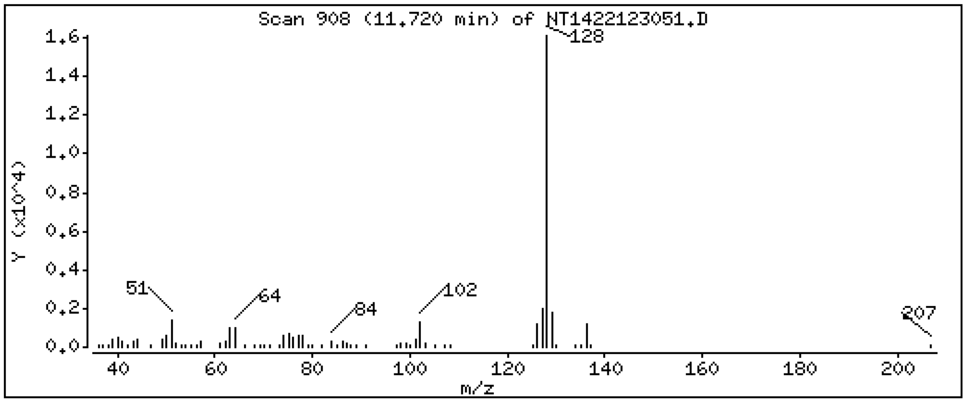
Client ID: Instrument: nt14.i

Sample Info: SKL0355-LCV1

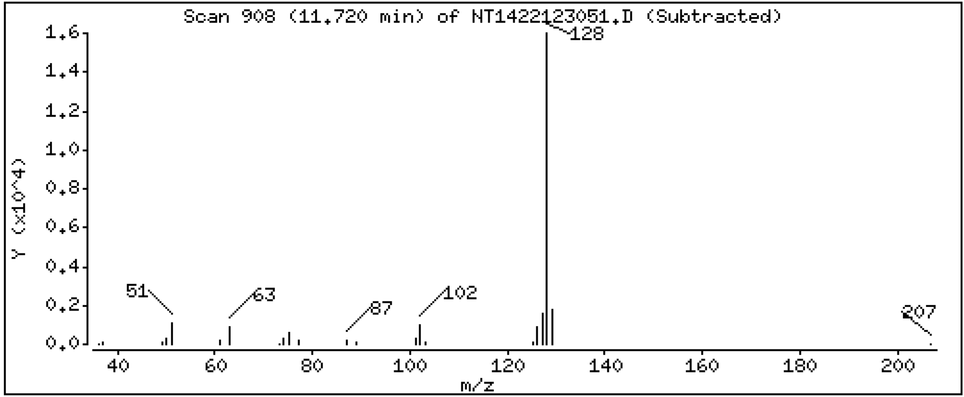
Operator: VTS

Column phase: ZB-5msi Column diameter: 0.25

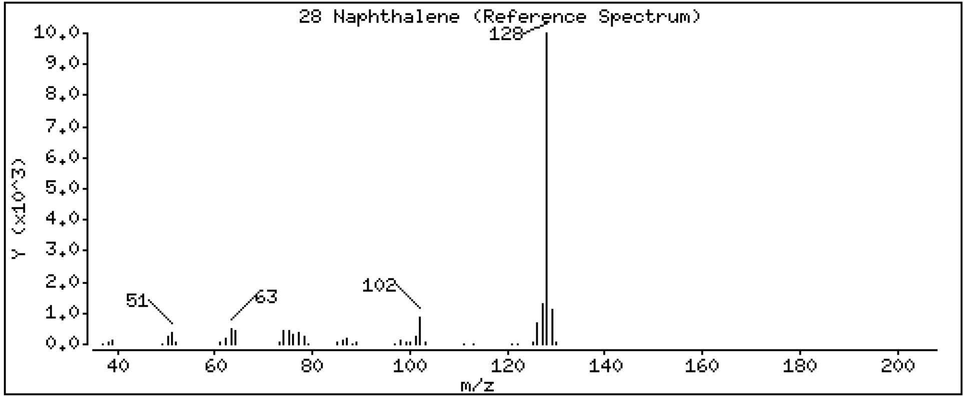
28 Naphthalene Concentration: 0.2377 ug/mL



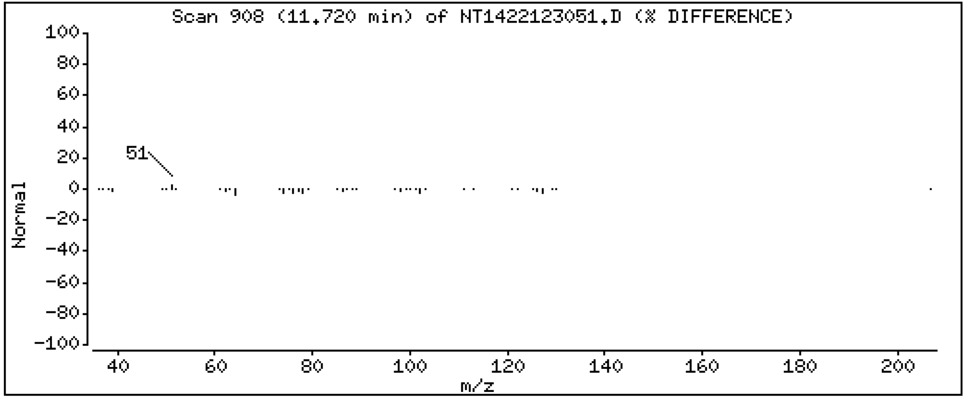
Scan 908 (11.720 min) of NT1422123051.D



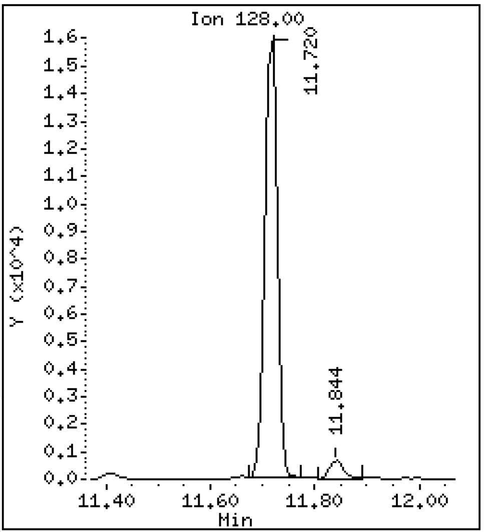
Scan 908 (11.720 min) of NT1422123051.D (Subtracted)



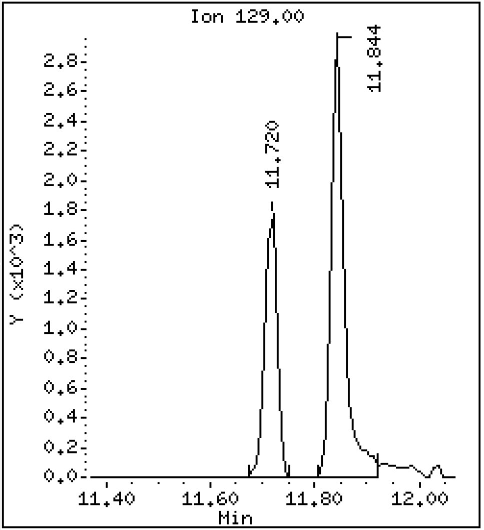
28 Naphthalene (Reference Spectrum)



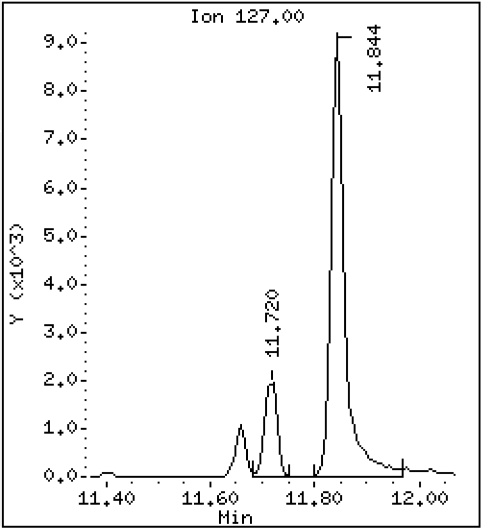
Scan 908 (11.720 min) of NT1422123051.D (% DIFFERENCE)



Ion 128.00



Ion 129.00



Ion 127.00

Date : 31-DEC-2022 14:29

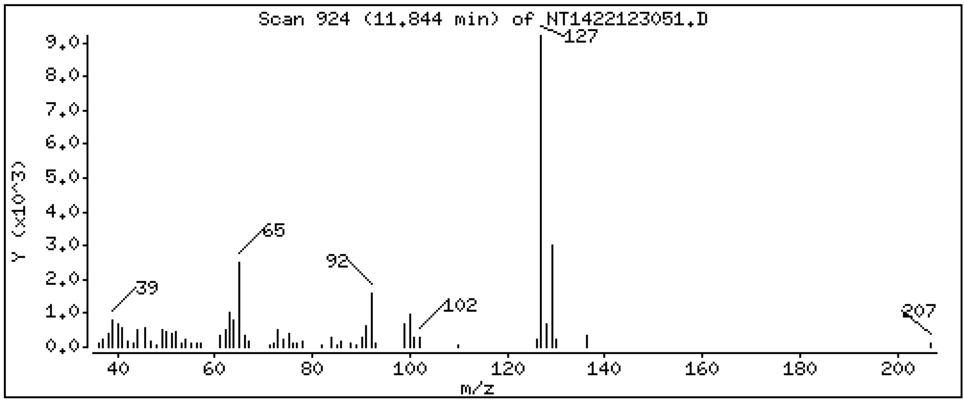
Client ID: Instrument: nt14.i

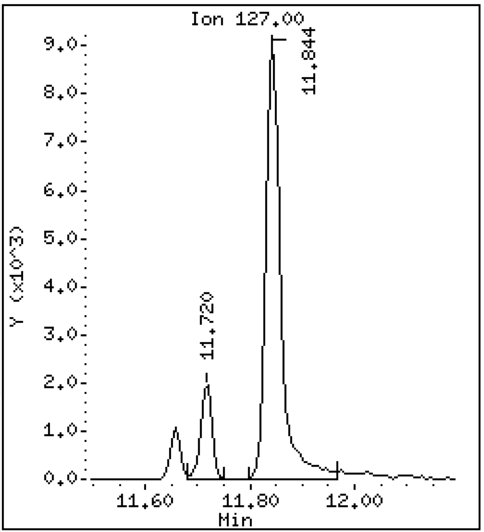
Sample Info: SKL0355-LCV1

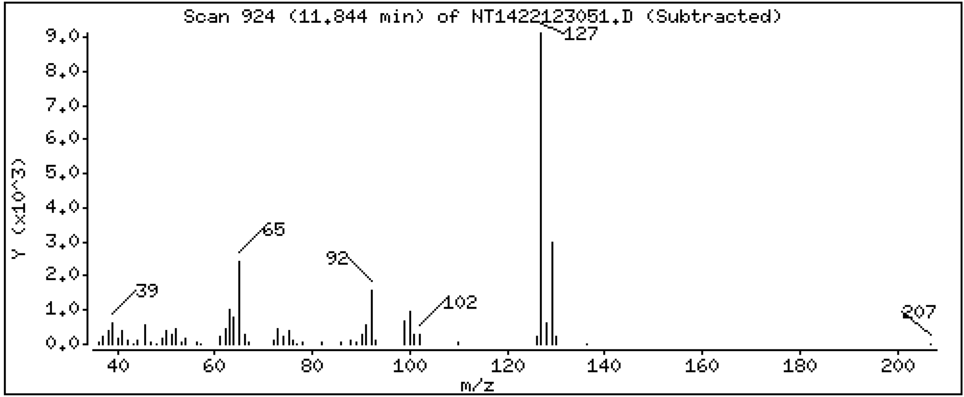
Operator: VTS

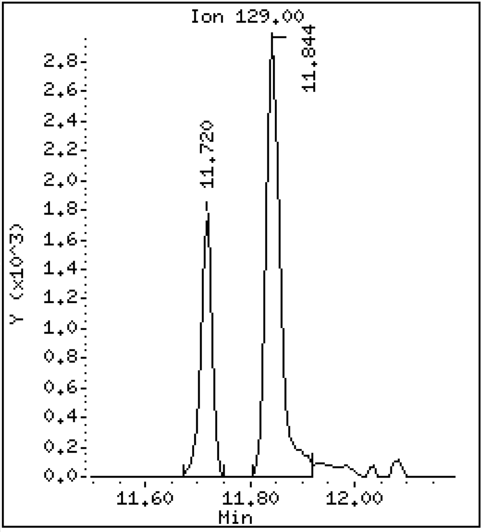
Column phase: ZB-5msi Column diameter: 0.25

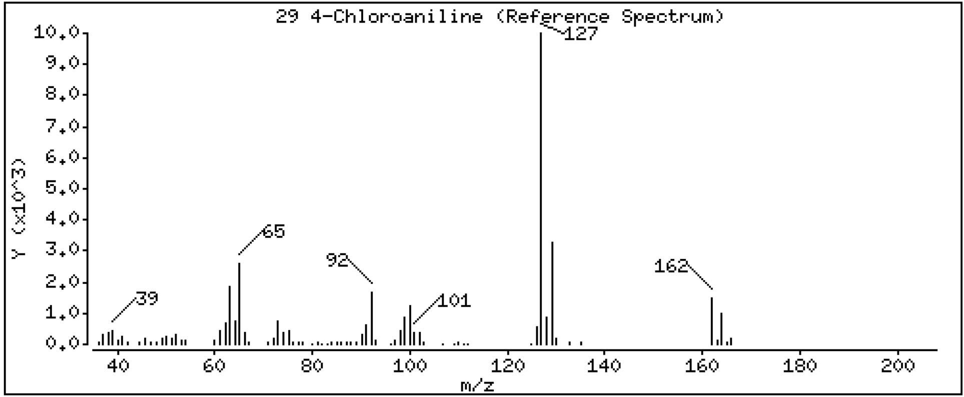
29 4-Chloroaniline Concentration: 0.4058 ug/mL

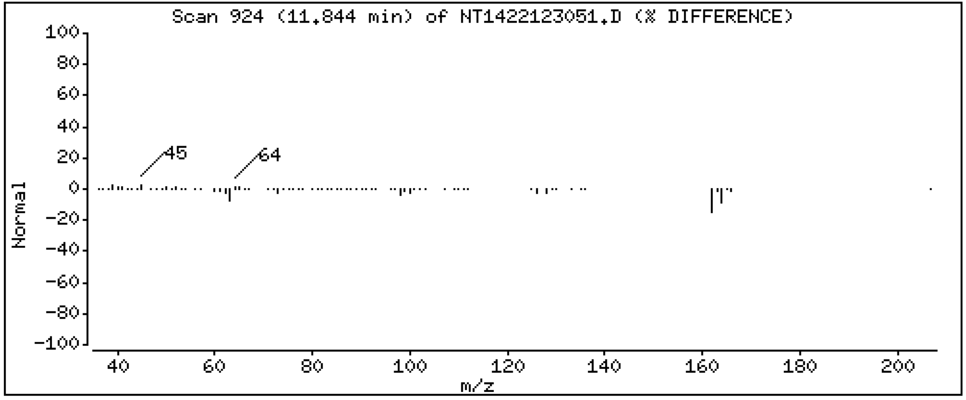

Scan 924 (11.844 min) of NT1422123051.D


Ion 127.00


Scan 924 (11.844 min) of NT1422123051.D (Subtracted)


Ion 129.00


29 4-Chloroaniline (Reference Spectrum)


Scan 924 (11.844 min) of NT1422123051.D (% DIFFERENCE)

Data File: \\target\share\chem3\nt14.i\20221230B.b\NT1422123051.D

Date : 31-DEC-2022 14:29

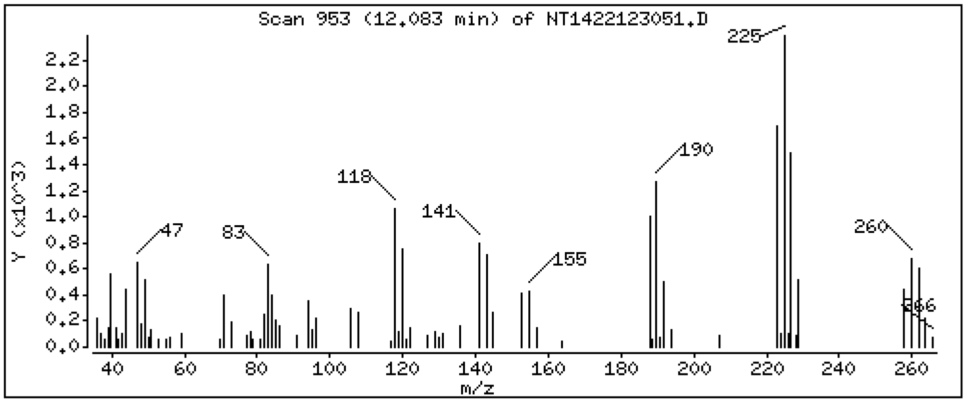
Client ID: Instrument: nt14.i

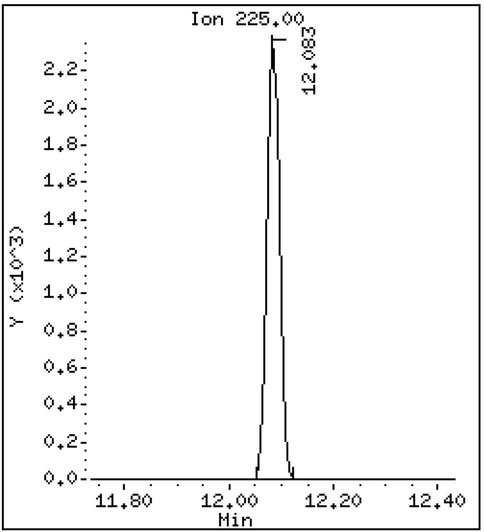
Sample Info: SKL0355-LCV1

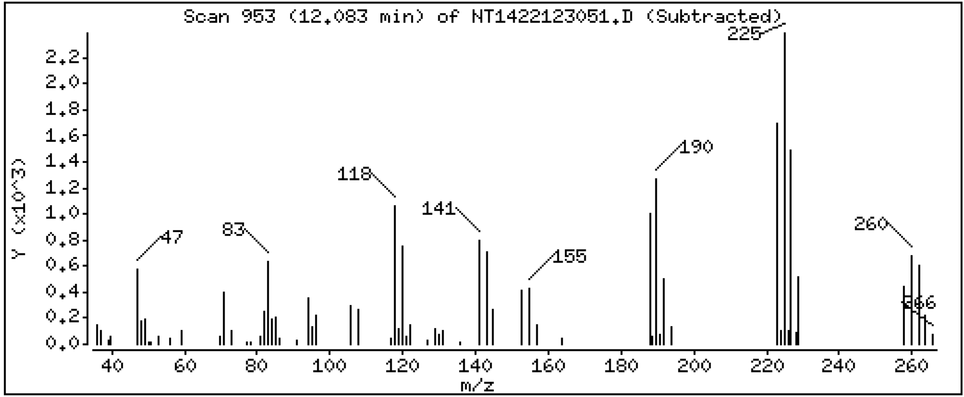
Operator: VTS

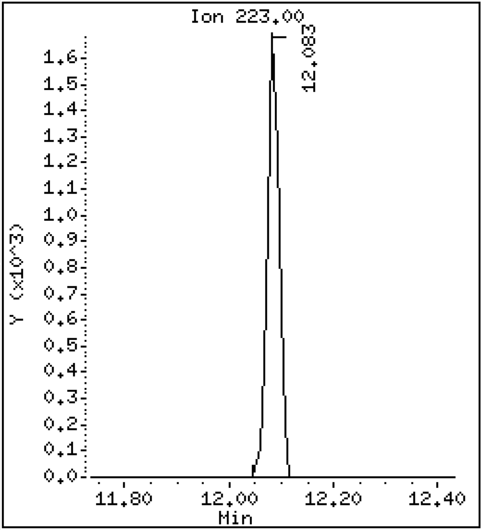
Column phase: ZB-5msi Column diameter: 0.25

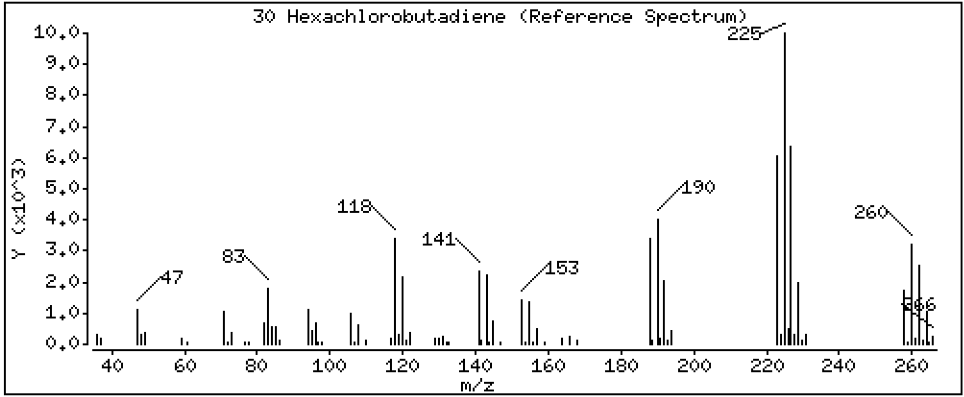
30 Hexachlorobutadiene Concentration: 0.2223 ug/mL

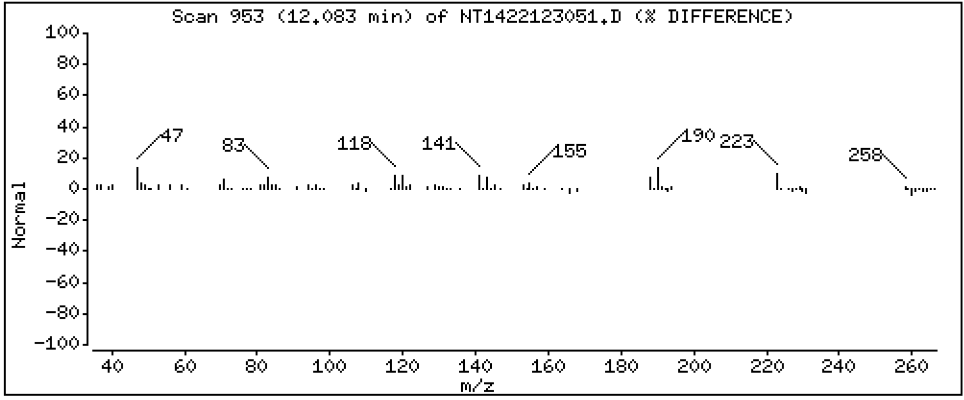

Scan 953 (12.083 min) of NT1422123051.D

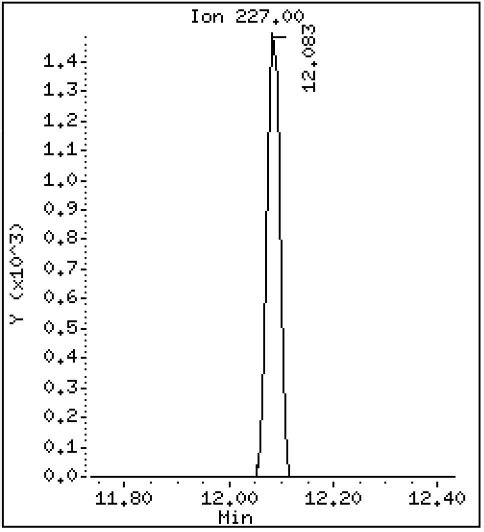

Ion 225.00


Scan 953 (12.083 min) of NT1422123051.D (Subtracted)


Ion 223.00


30 Hexachlorobutadiene (Reference Spectrum)


Scan 953 (12.083 min) of NT1422123051.D (% DIFFERENCE)


Ion 227.00

Data File: \\target\share\chem3\nt14.i\20221230B.b\NT1422123051.D

Date : 31-DEC-2022 14:29

Client ID:

Instrument: nt14.i

Sample Info: SKL0355-LCV1

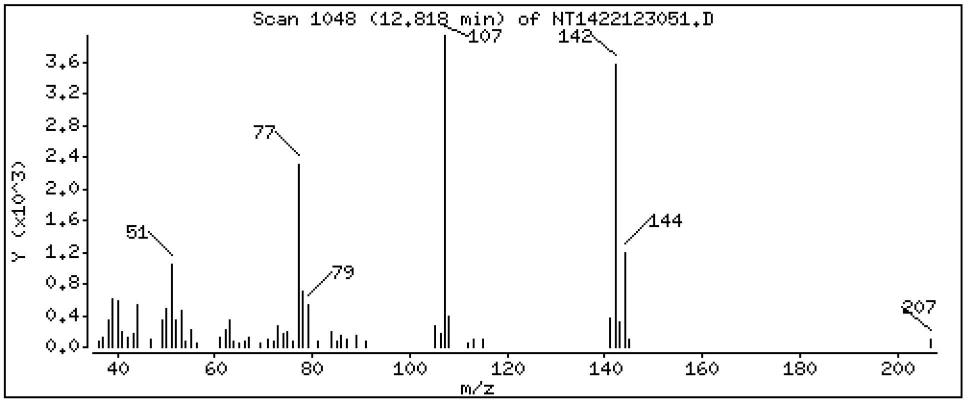
Operator: VTS

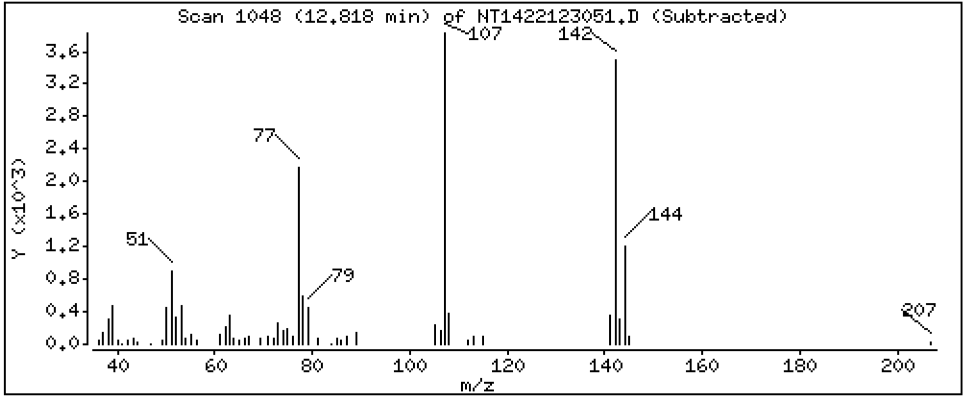
Column phase: ZB-5msi

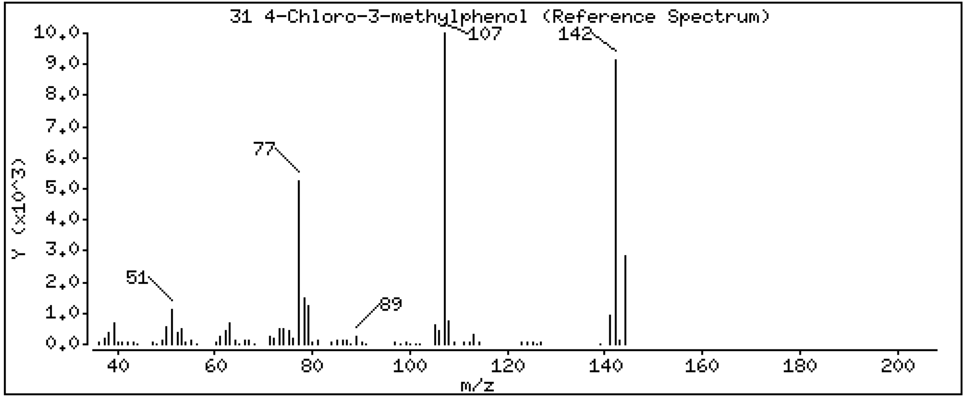
Column diameter: 0.25

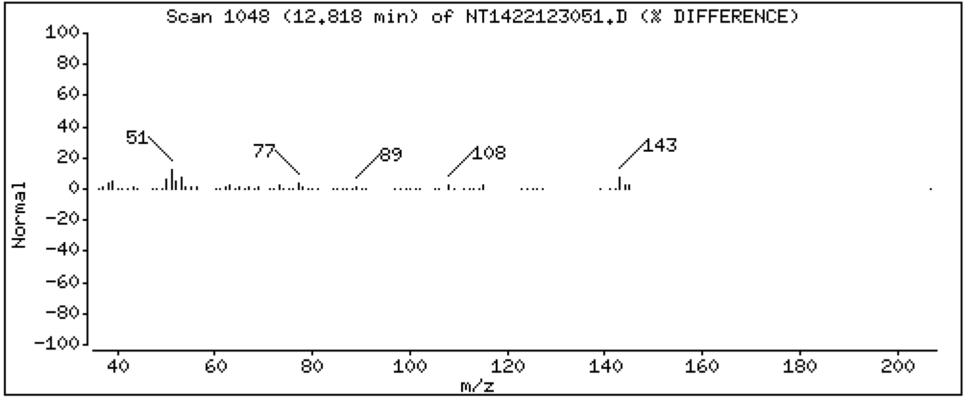
31 4-Chloro-3-methylphenol

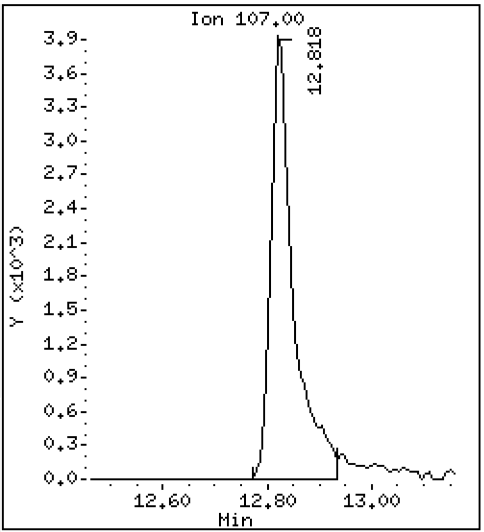
Concentration: 0.4010 ug/mL

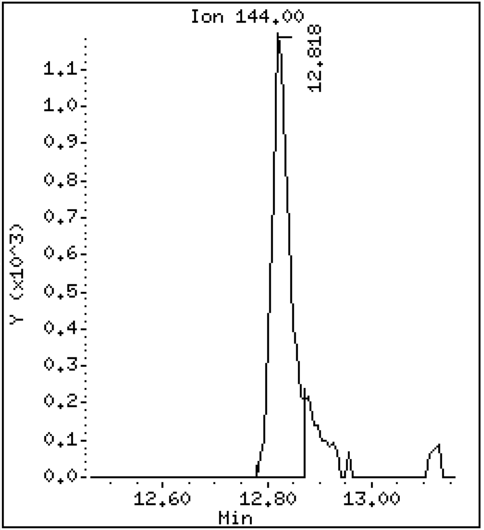


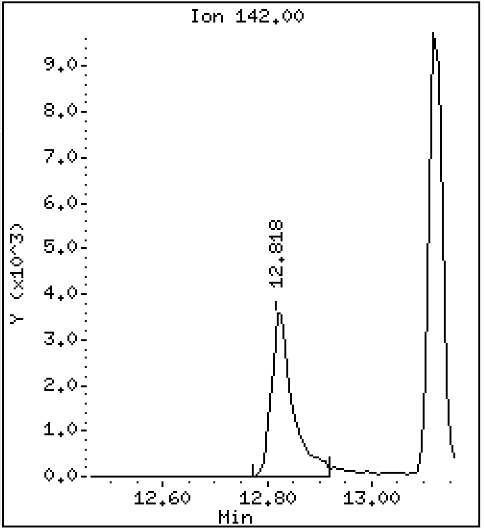












Date : 31-DEC-2022 14:29

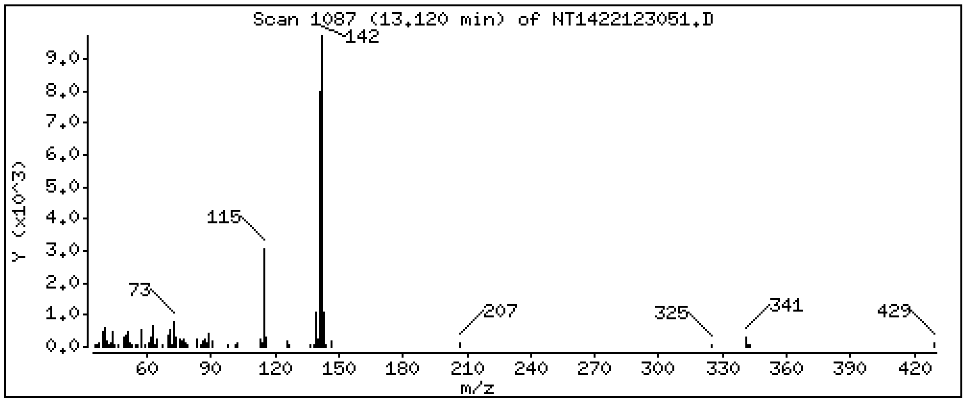
Client ID: Instrument: nt14.i

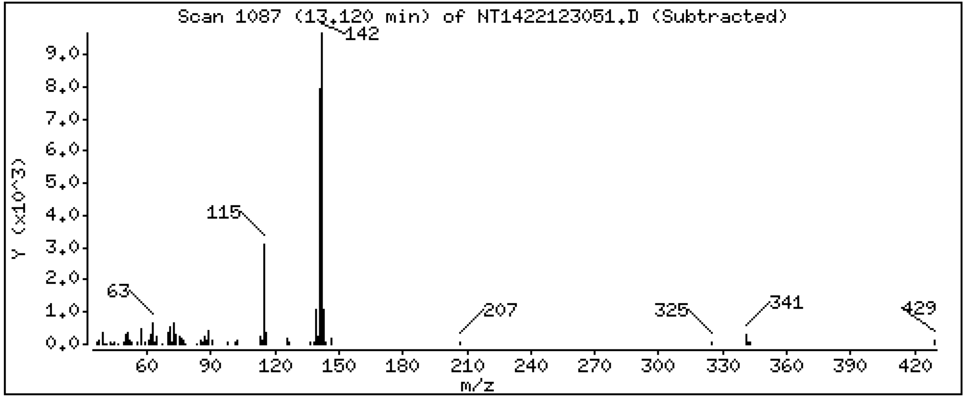
Sample Info: SKL0355-LCV1

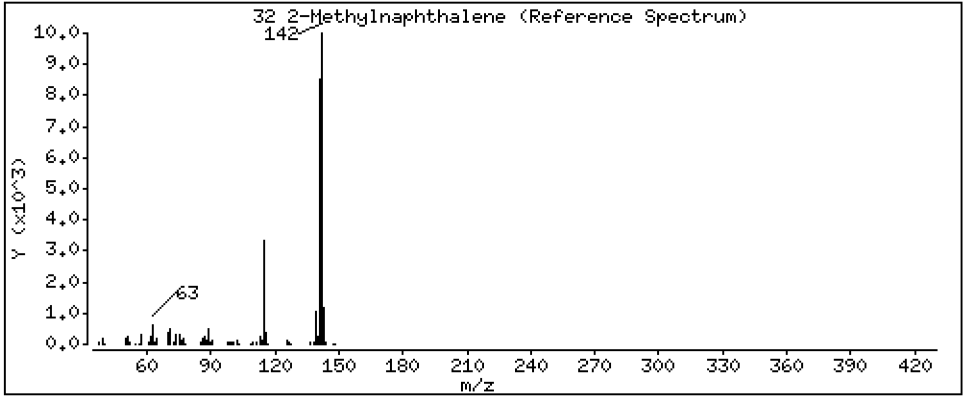
Operator: VTS

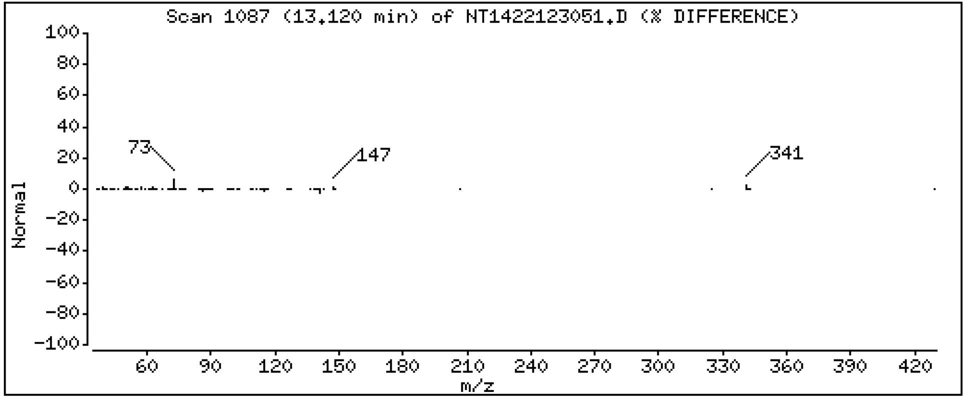
Column phase: ZB-5msi Column diameter: 0.25

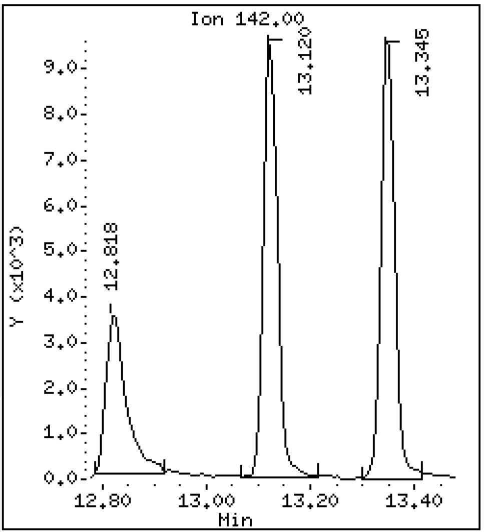
32 2-Methylnaphthalene Concentration: 0.2231 ug/mL

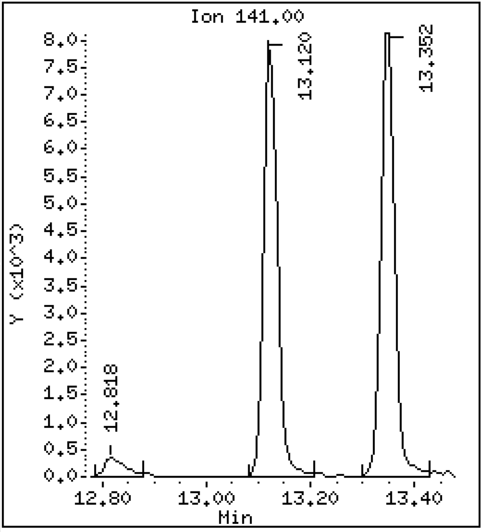

Scan 1087 (13.120 min) of NT1422123051.D


Scan 1087 (13.120 min) of NT1422123051.D (Subtracted)


32 2-Methylnaphthalene (Reference Spectrum)


Scan 1087 (13.120 min) of NT1422123051.D (% DIFFERENCE)


Ion 142.00


Ion 141.00

Data File: \\target\share\chem3\nt14.i\20221230B.b\NT1422123051.D

Date : 31-DEC-2022 14:29

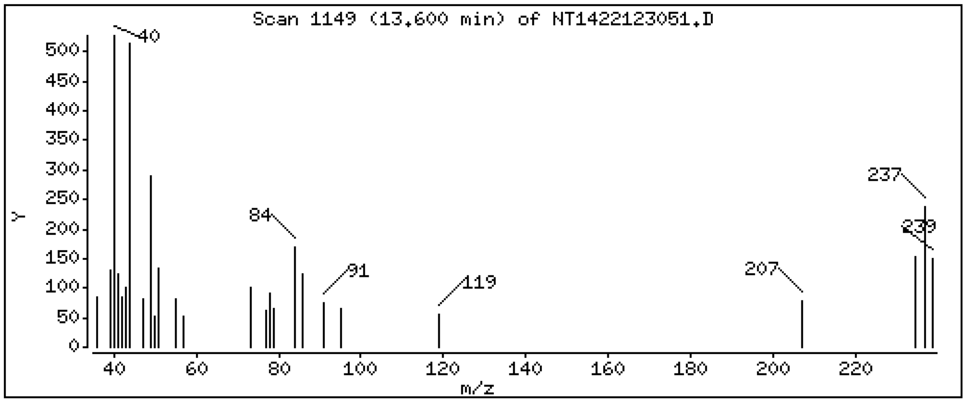
Client ID: Instrument: nt14.i

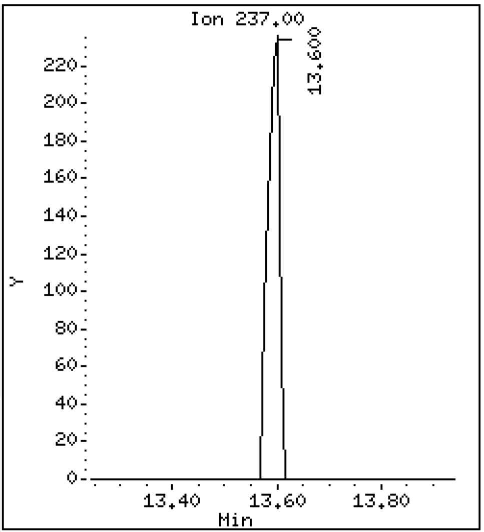
Sample Info: SKL0355-LCV1

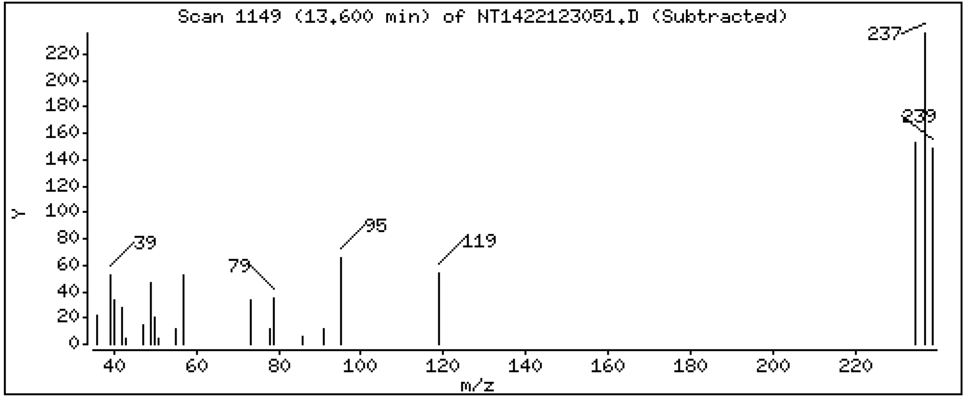
Operator: VTS

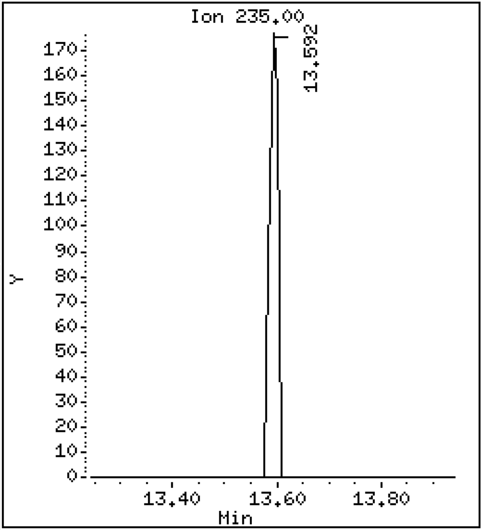
Column phase: ZB-5msi Column diameter: 0.25

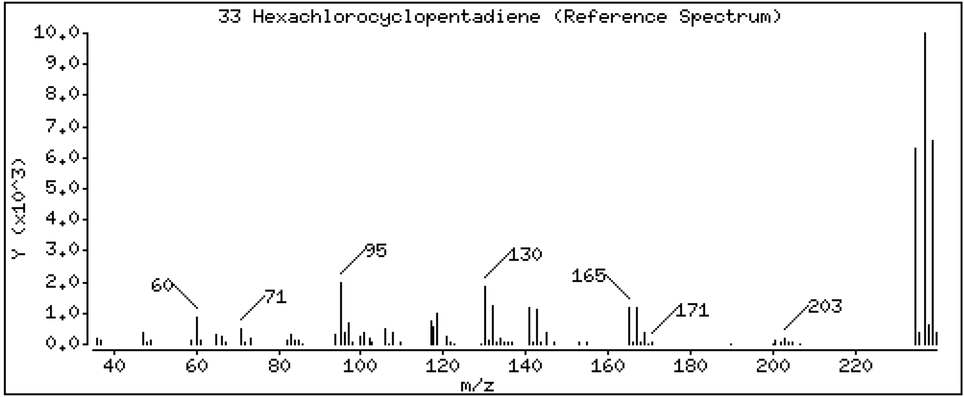
33 Hexachlorocyclopentadiene Concentration: 0.02150 ug/mL

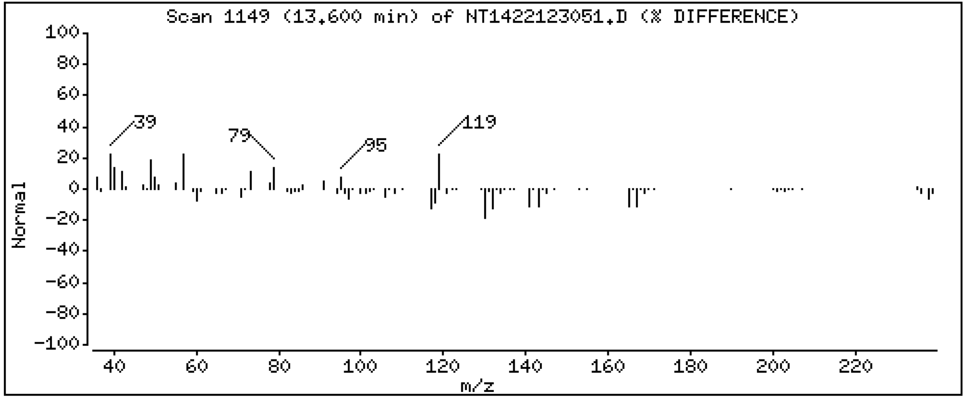

Scan 1149 (13.600 min) of NT1422123051.D

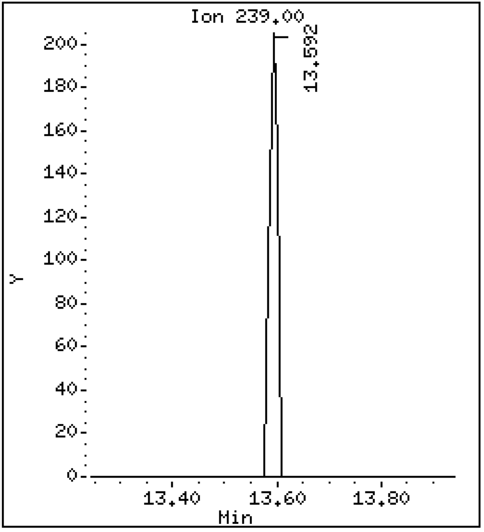

Ion 237.00


Scan 1149 (13.600 min) of NT1422123051.D (Subtracted)


Ion 235.00


33 Hexachlorocyclopentadiene (Reference Spectrum)


Scan 1149 (13.600 min) of NT1422123051.D (% DIFFERENCE)


Ion 239.00

Data File: \\target\share\chem3\nt14.i\20221230B.b\NT1422123051.D

Date : 31-DEC-2022 14:29

Client ID:

Instrument: nt14.i

Sample Info: SKL0355-LCV1

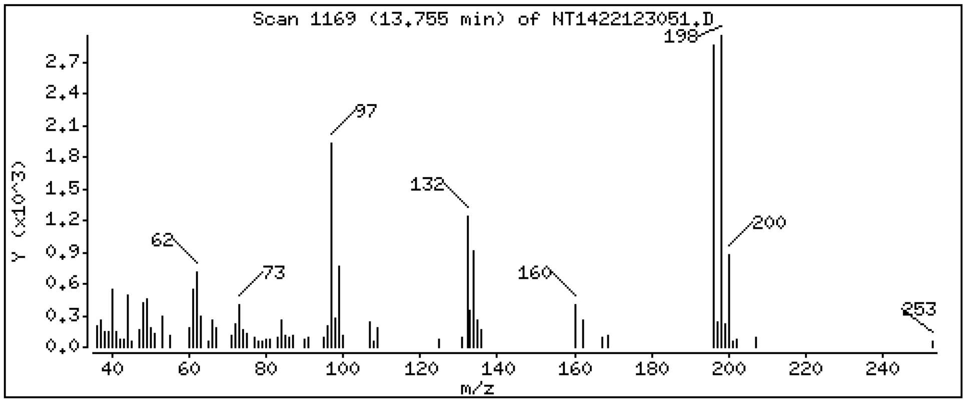
Operator: VTS

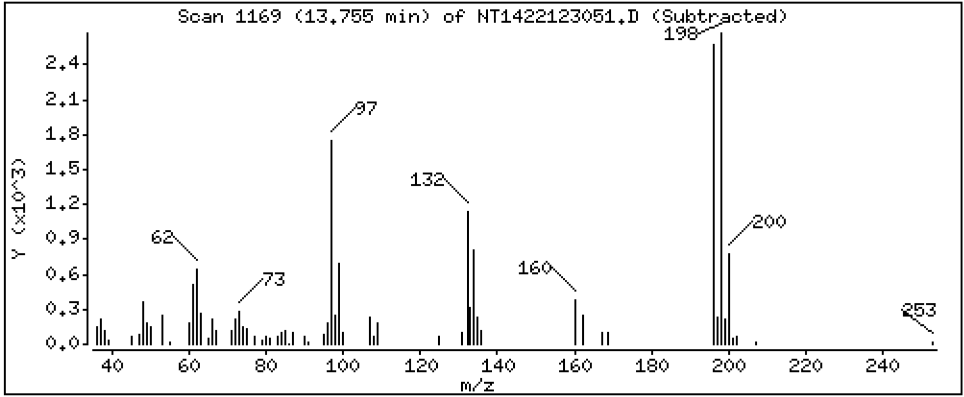
Column phase: ZB-5msi

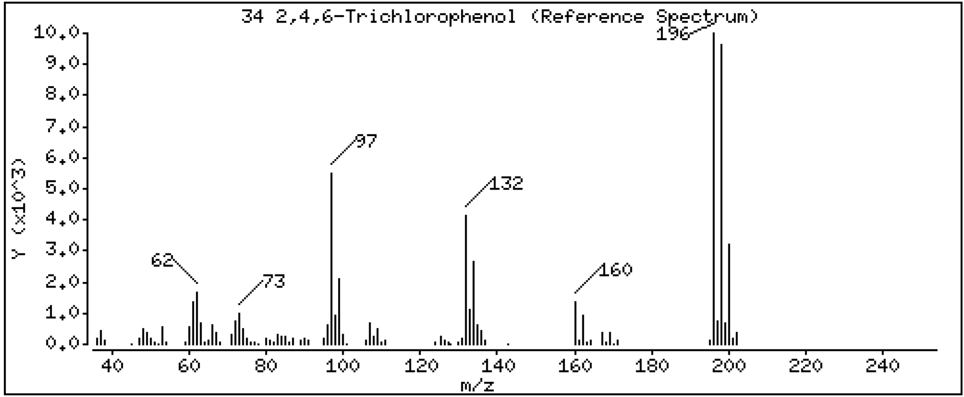
Column diameter: 0.25

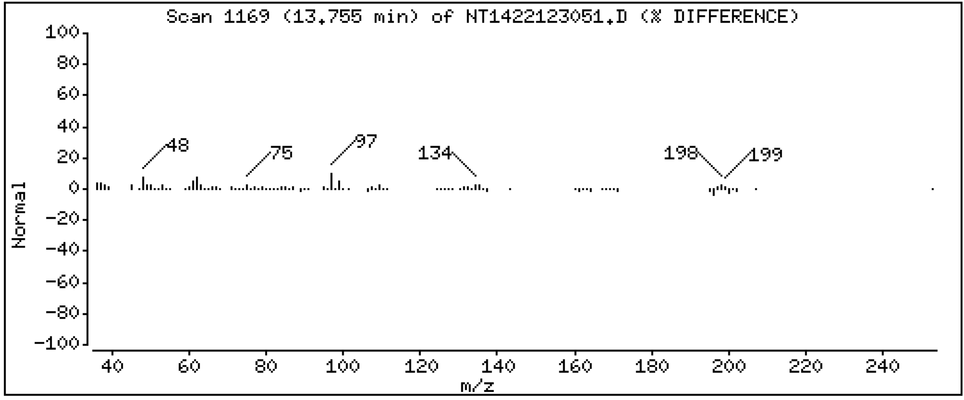
34 2,4,6-Trichlorophenol

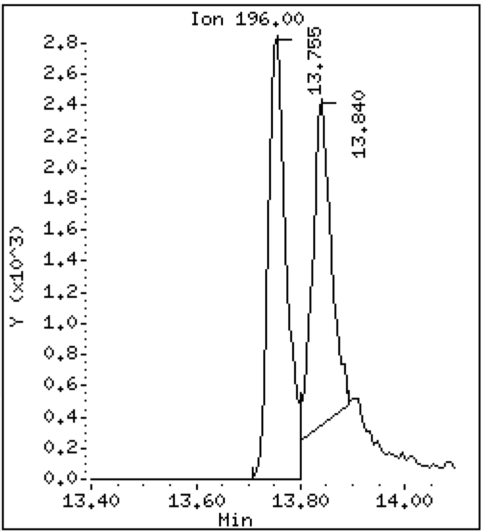
Concentration: 0.3746 ug/mL


Scan 1169 (13.755 min) of NT1422123051.D


Scan 1169 (13.755 min) of NT1422123051.D (Subtracted)


34 2,4,6-Trichlorophenol (Reference Spectrum)


Scan 1169 (13.755 min) of NT1422123051.D (% DIFFERENCE)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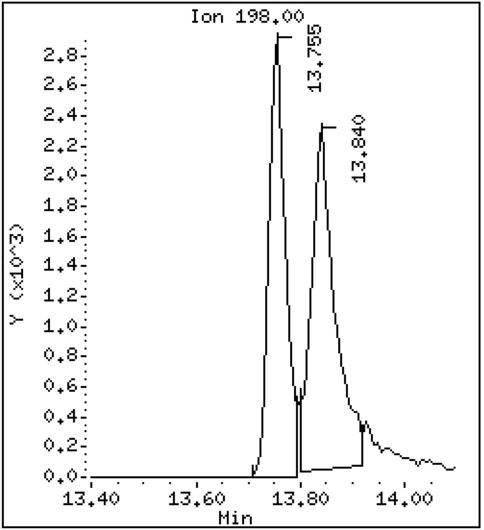
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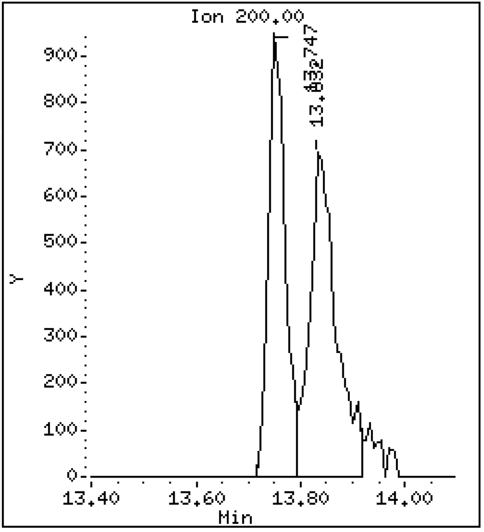

Ion 200.00

Data File: \\target\share\chem3\nt14.i\20221230B.b\NT1422123051.D

Date : 31-DEC-2022 14:29

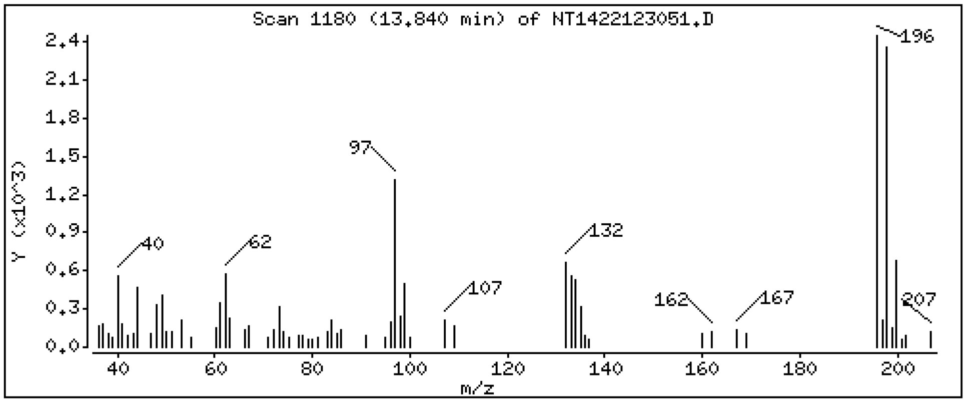
Client ID: Instrument: nt14.i

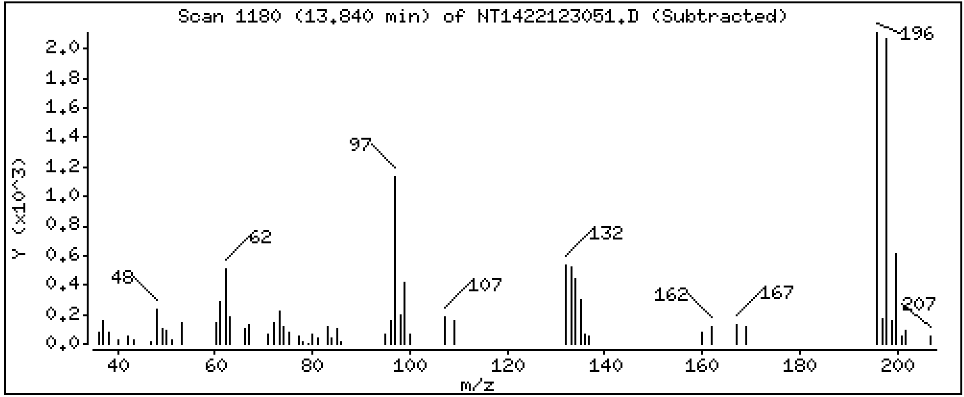
Sample Info: SKL0355-LCV1

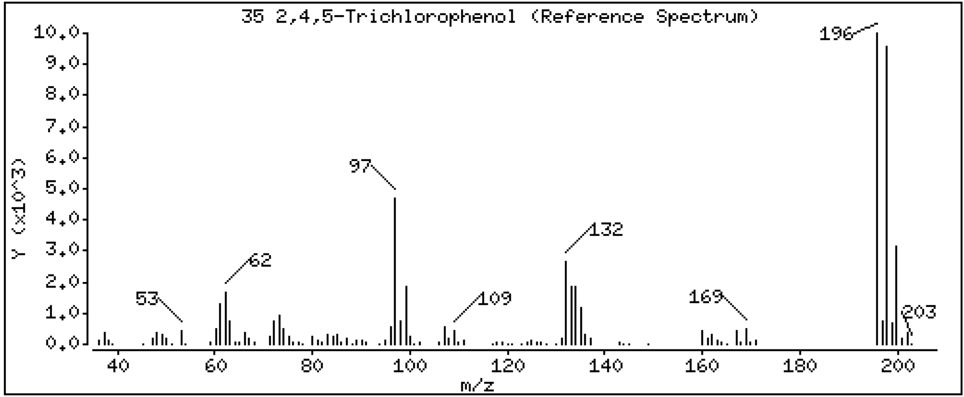
Operator: VTS

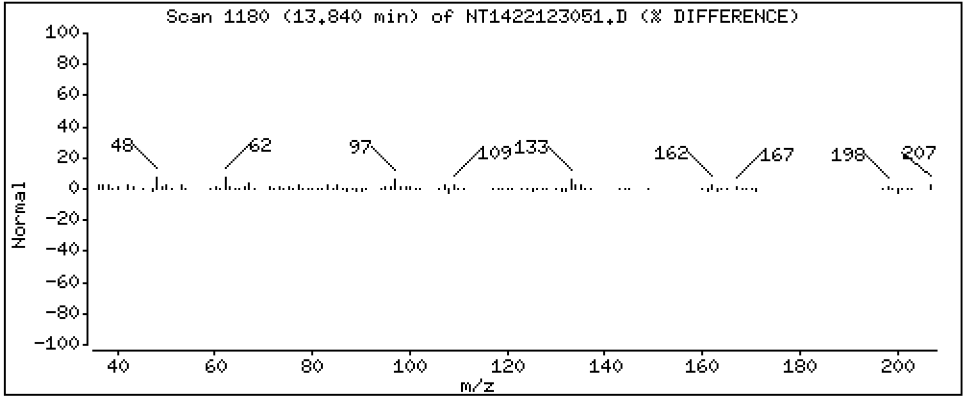
Column phase: ZB-5msi Column diameter: 0.25

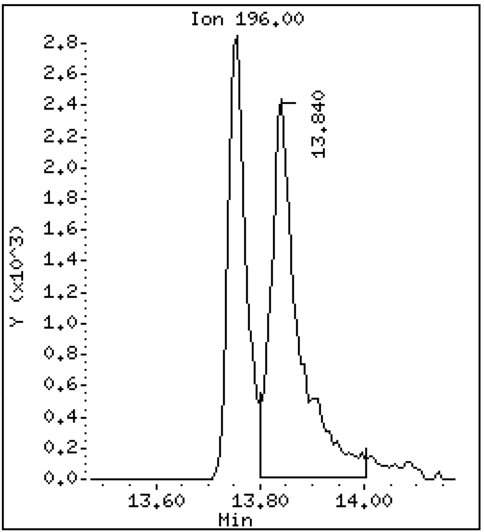
35 2,4,5-Trichlorophenol Concentration: 0.4316 ug/mL

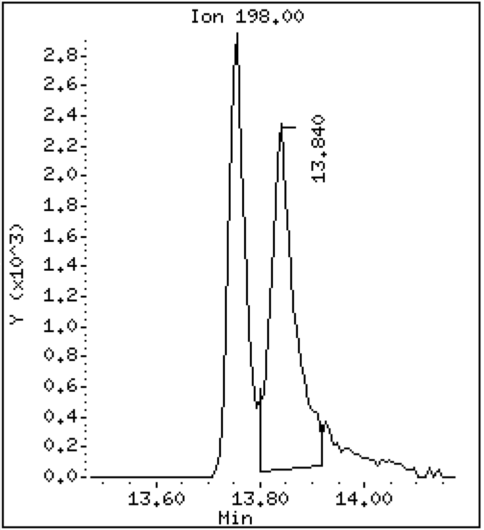

Scan 1180 (13.840 min) of NT1422123051.D

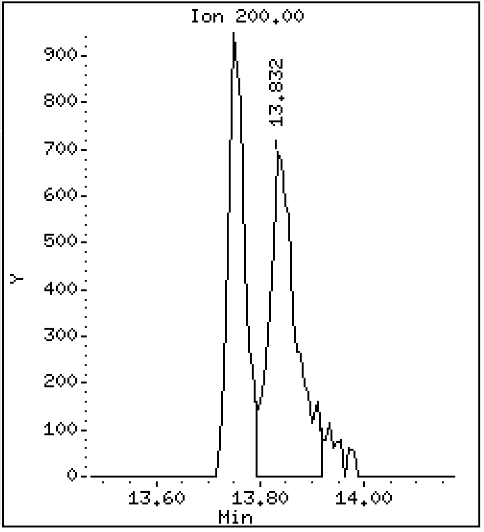

Scan 1180 (13.840 min) of NT1422123051.D (Subtracted)


35 2,4,5-Trichlorophenol (Reference Spectrum)


Scan 1180 (13.840 min) of NT1422123051.D (% DIFFERENCE)


Ion 196.00


Ion 198.00


Ion 200.00

Data File: \\target\share\chem3\nt14.i\20221230B.b\NT1422123051.D

Date : 31-DEC-2022 14:29

Client ID:

Instrument: nt14.i

Sample Info: SKL0355-LCV1

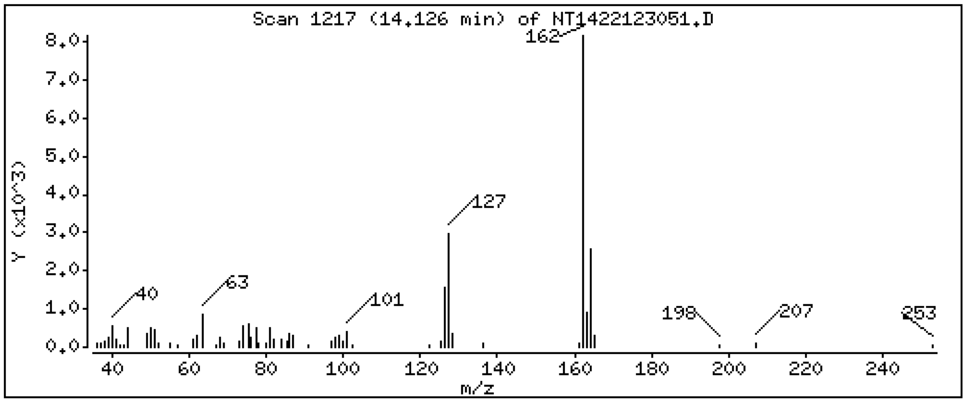
Operator: VTS

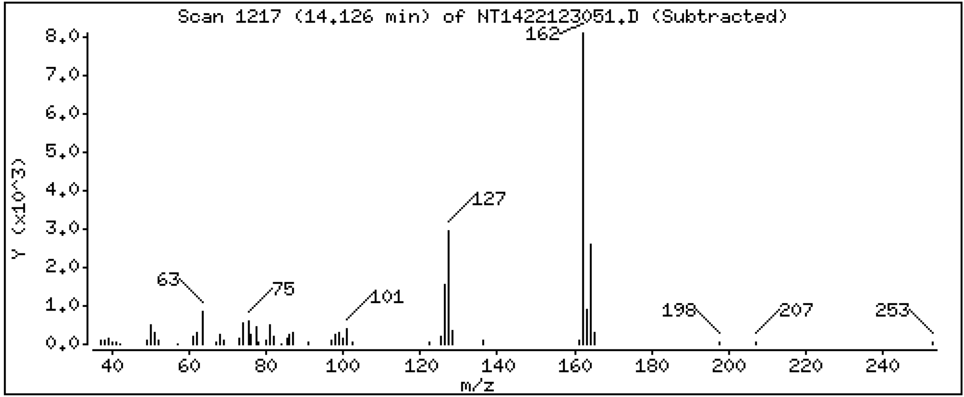
Column phase: ZB-5msi

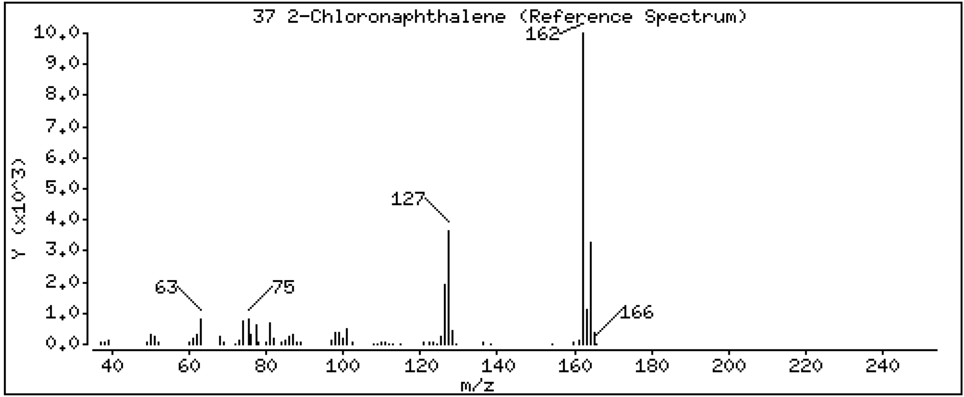
Column diameter: 0.25

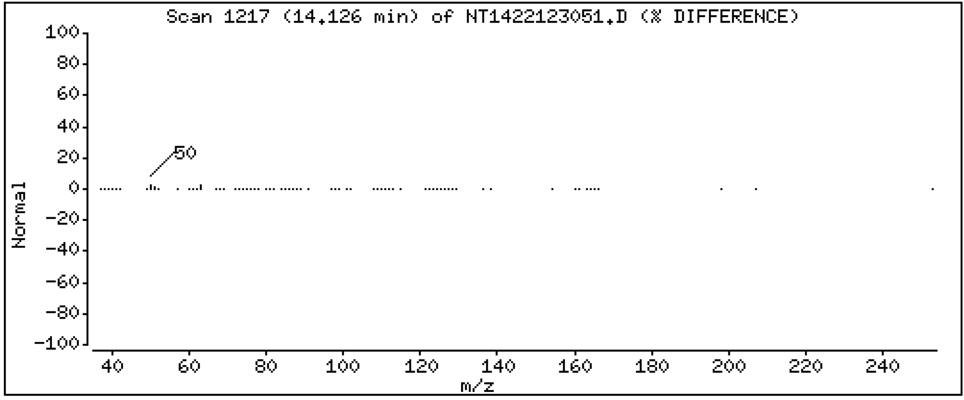
37 2-Chloronaphthalene

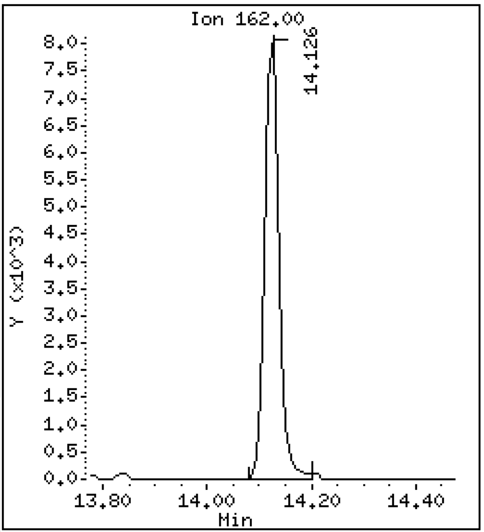
Concentration: 0.2372 ug/mL

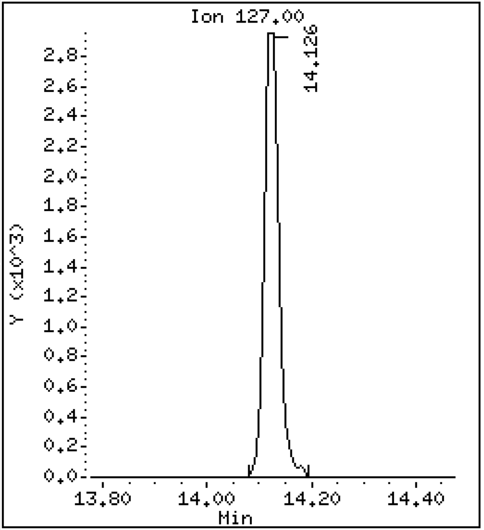


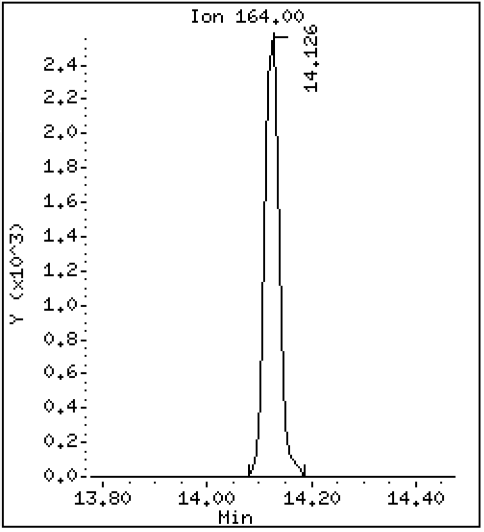












Data File: \\target\share\chem3\nt14.i\20221230B.b\NT1422123051.D

Date : 31-DEC-2022 14:29

Client ID:

Instrument: nt14.i

Sample Info: SKL0355-LCV1

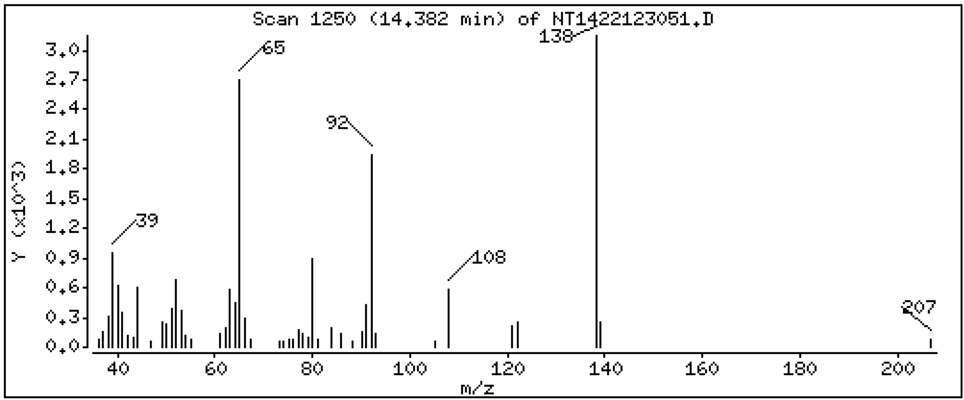
Operator: VTS

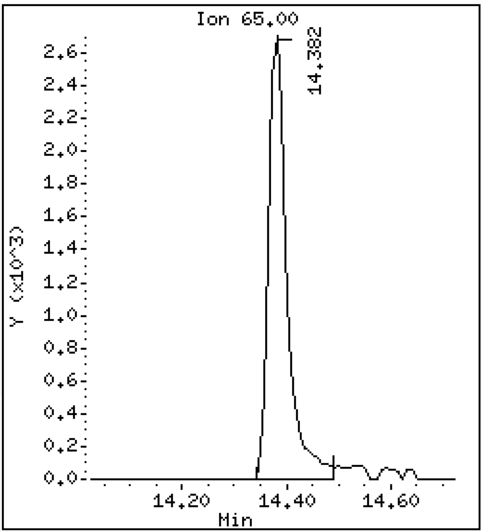
Column phase: ZB-5msi

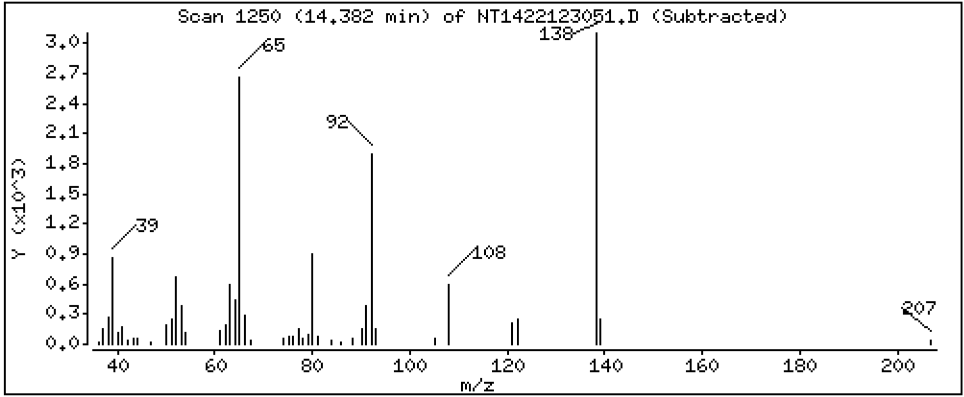
Column diameter: 0.25

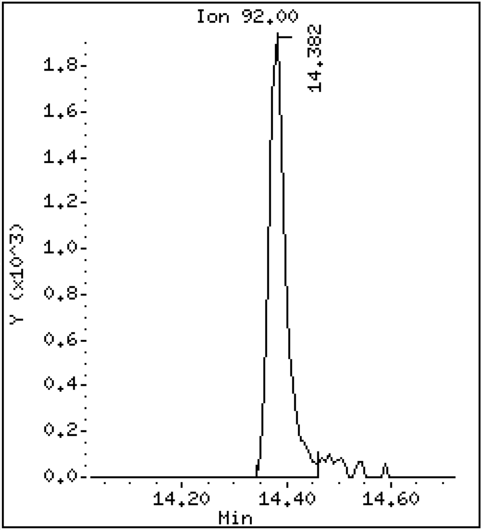
38 2-Nitroaniline

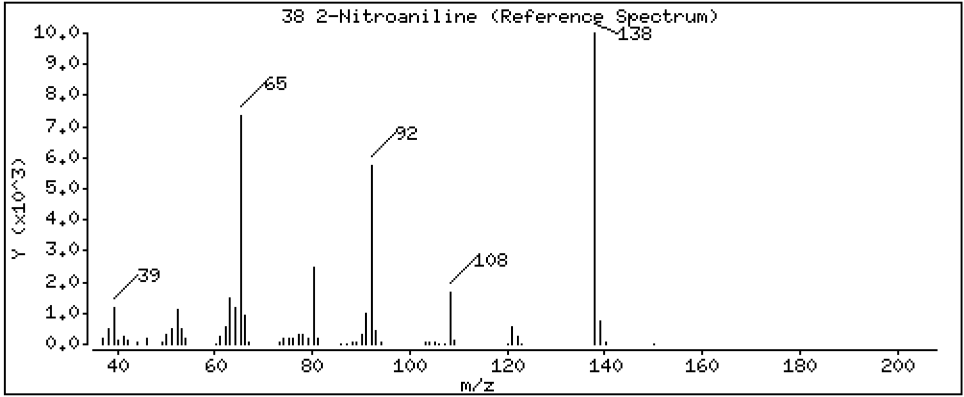
Concentration: 0.3972 ug/mL

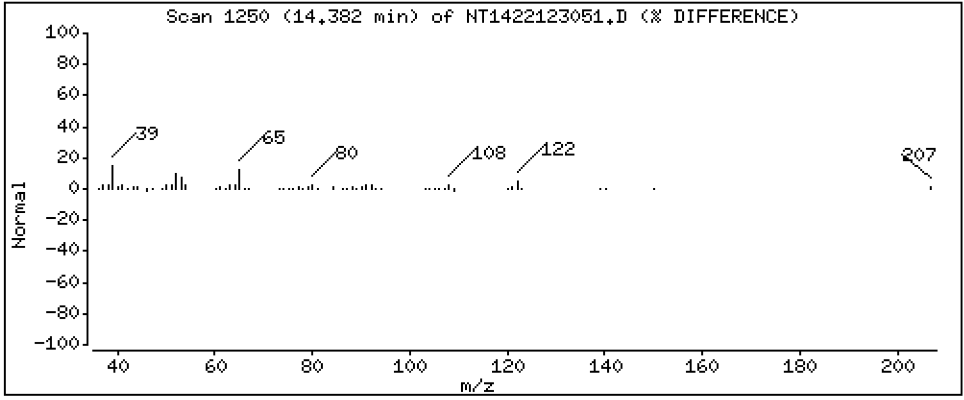


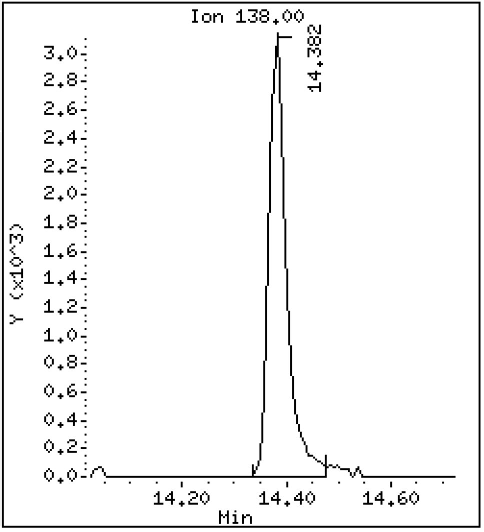












Data File: \\target\share\chem3\nt14.i\20221230B.b\NT1422123051.D

Date : 31-DEC-2022 14:29

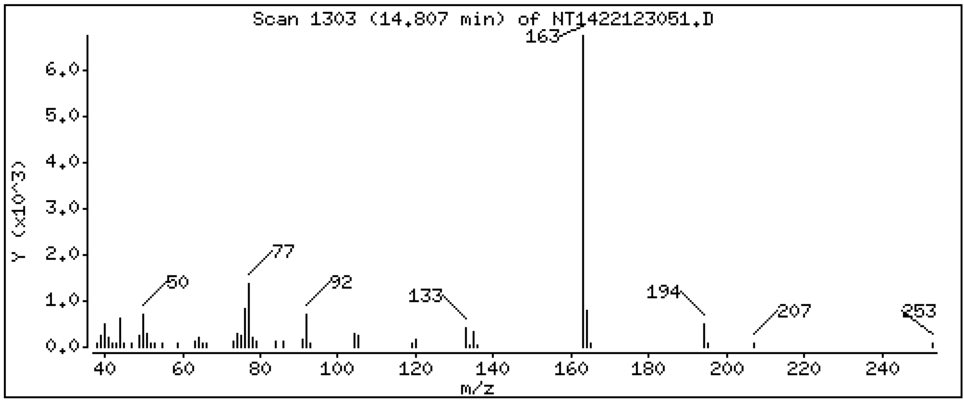
Client ID: Instrument: nt14.i

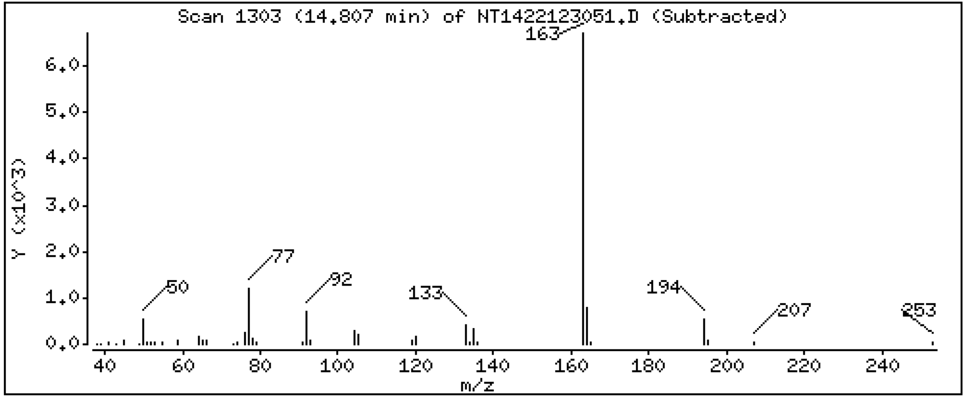
Sample Info: SKL0355-LCV1

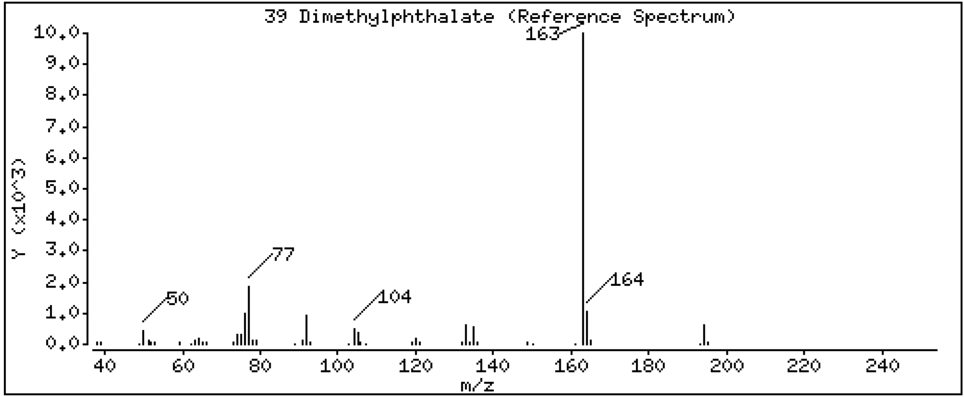
Operator: VTS

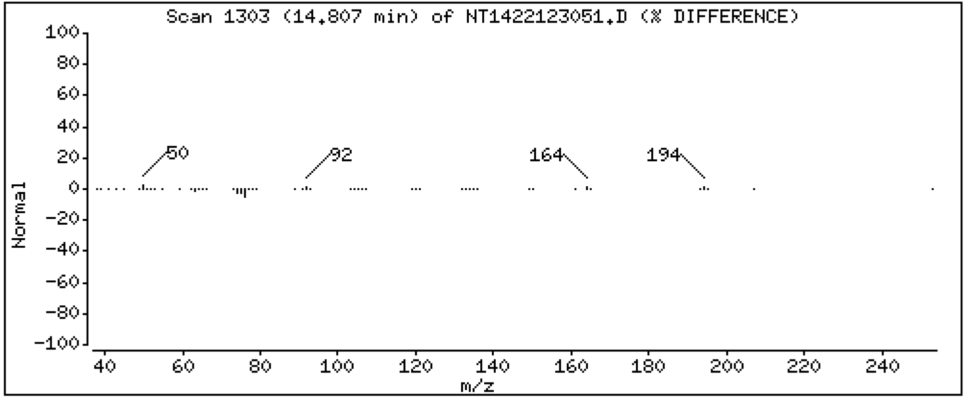
Column phase: ZB-5msi Column diameter: 0.25

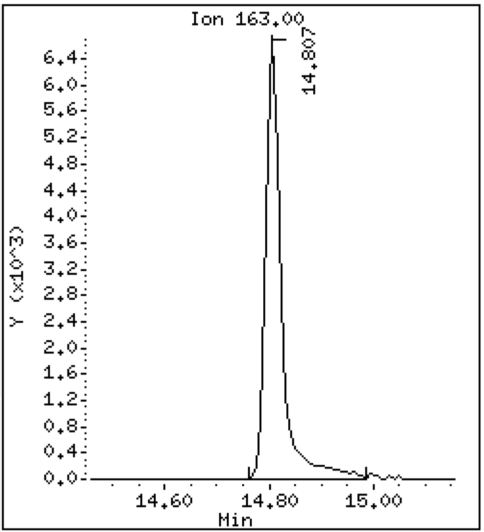
39 Dimethylphthalate Concentration: 0.2231 ug/mL

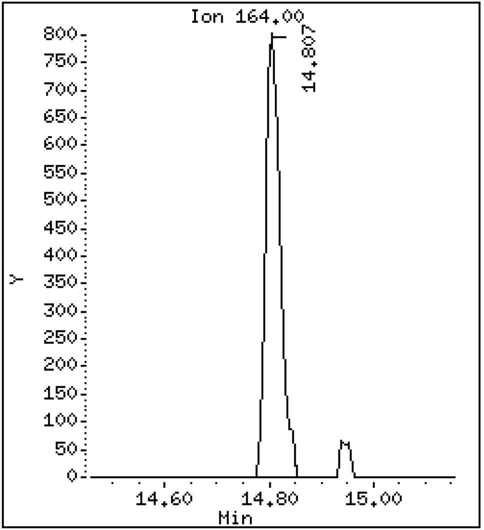

Scan 1303 (14.807 min) of NT1422123051.D

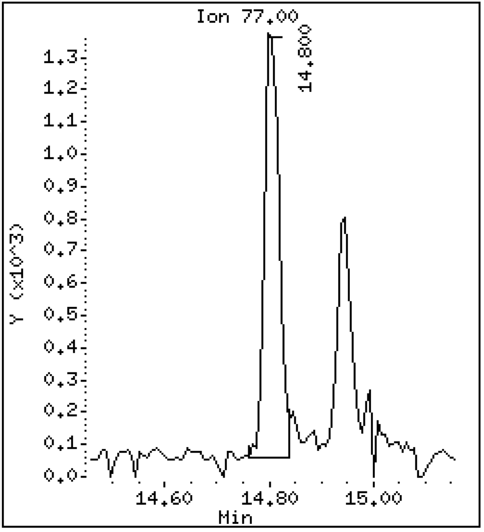

Scan 1303 (14.807 min) of NT1422123051.D (Subtracted)


39 Dimethylphthalate (Reference Spectrum)


Scan 1303 (14.807 min) of NT1422123051.D (% DIFFERENCE)


Ion 163.00


Ion 164.00


Ion 77.00

Data File: \\target\share\chem3\nt14.i\20221230B.b\NT1422123051.D

Date : 31-DEC-2022 14:29

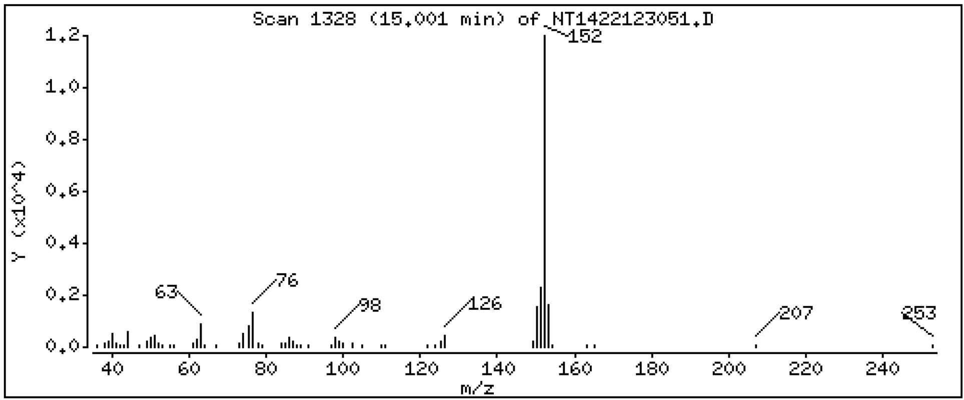
Client ID: Instrument: nt14.i

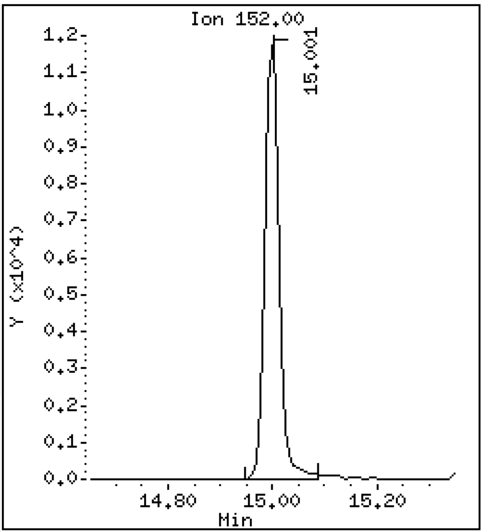
Sample Info: SKL0355-LCV1

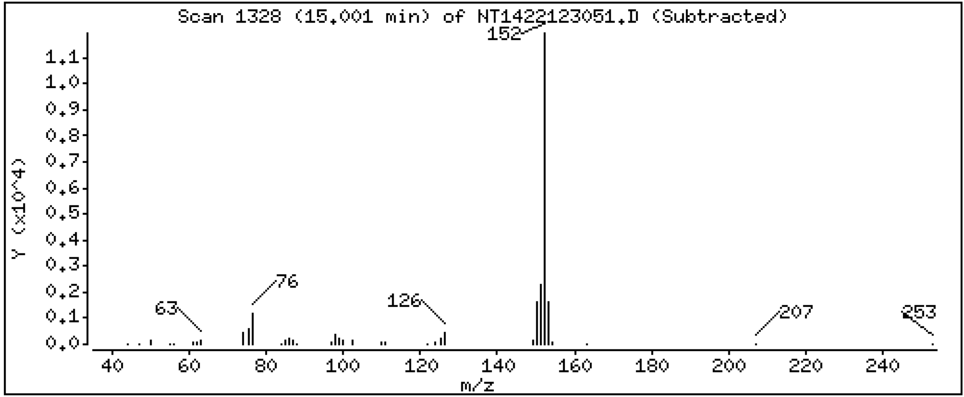
Operator: VTS

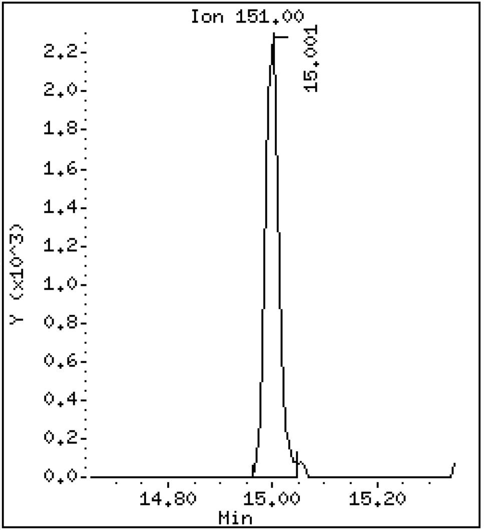
Column phase: ZB-5msi Column diameter: 0.25

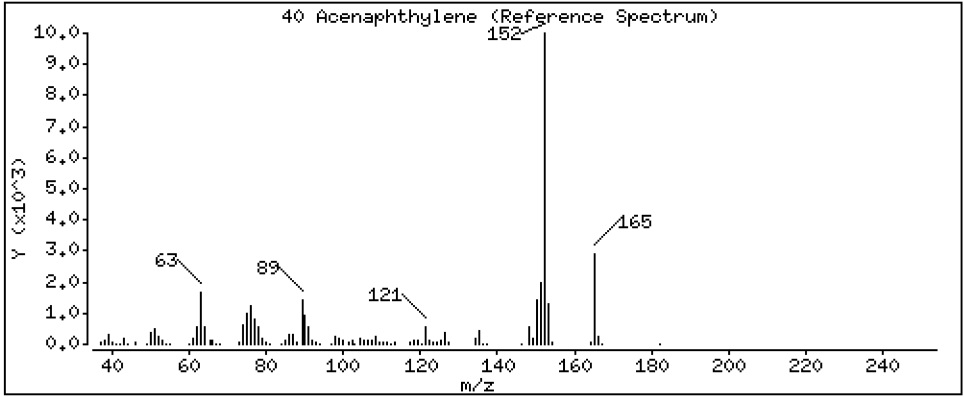
40 Acenaphthylene Concentration: 0.2256 ug/mL

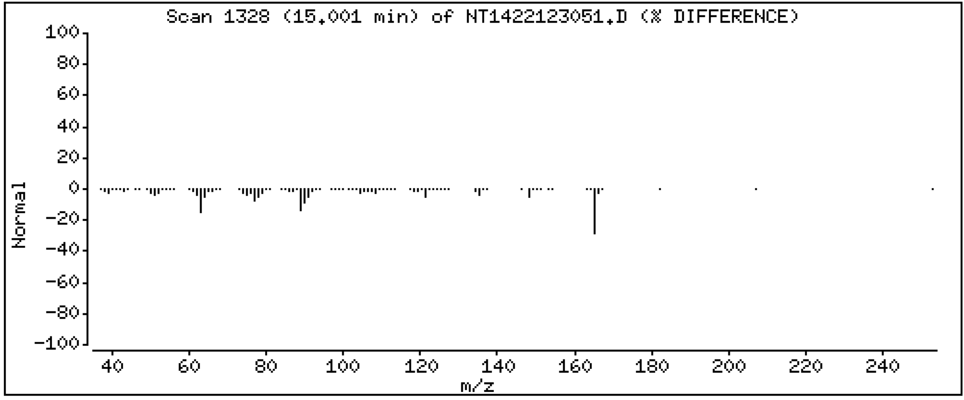


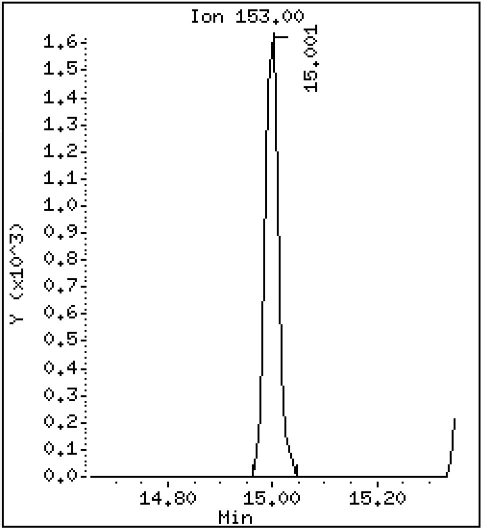












Data File: \\target\share\chem3\nt14.i\20221230B.b\NT1422123051.D

Date : 31-DEC-2022 14:29

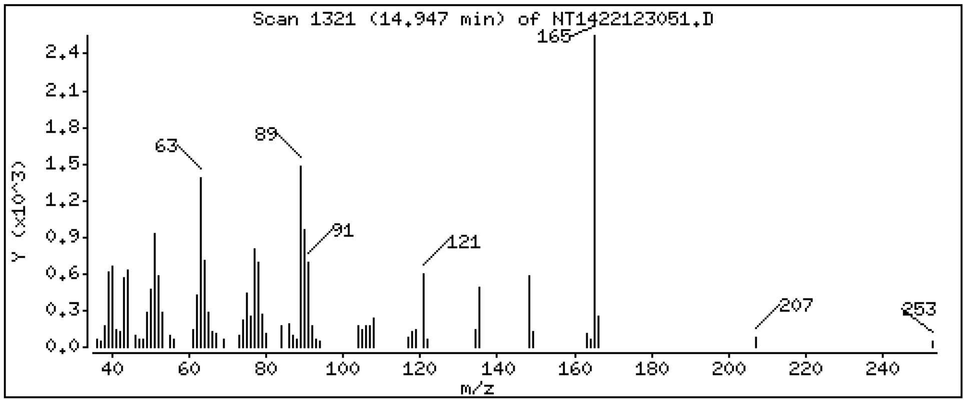
Client ID: Instrument: nt14.i

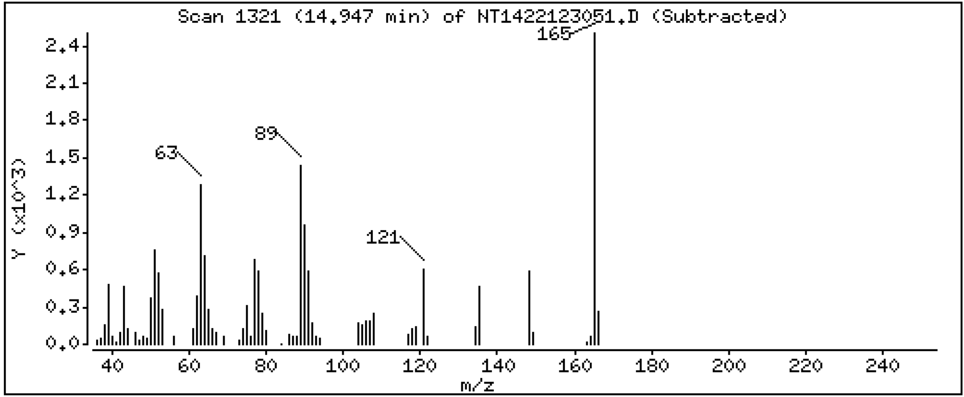
Sample Info: SKL0355-LCV1

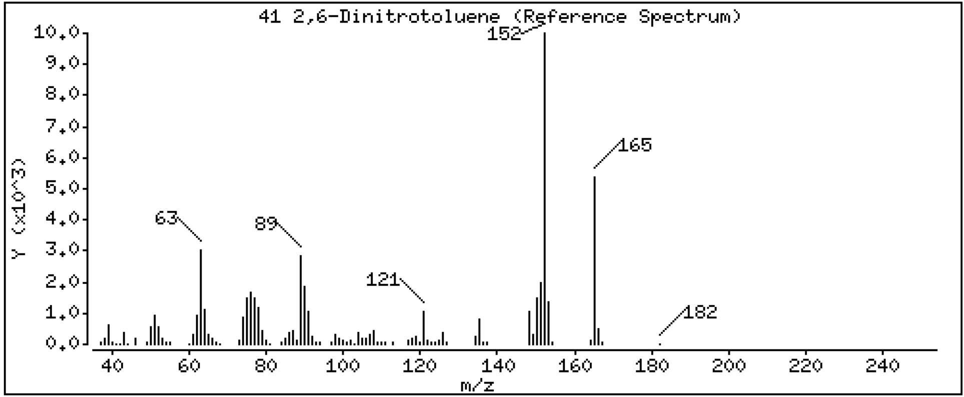
Operator: VTS

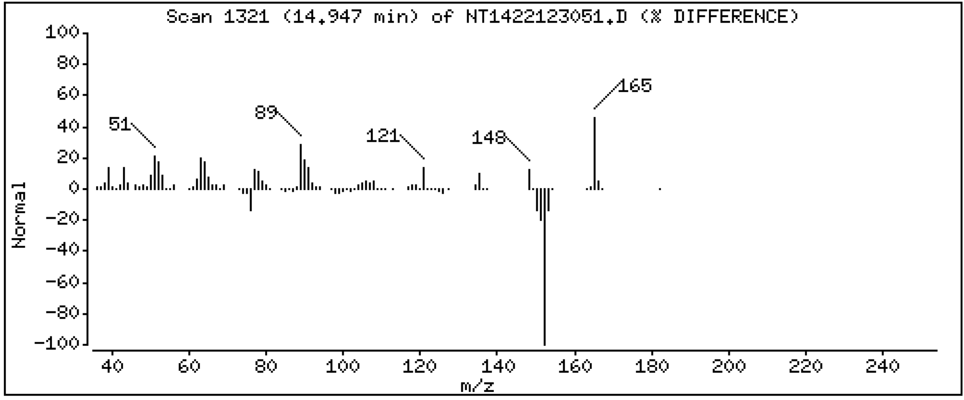
Column phase: ZB-5msi Column diameter: 0.25

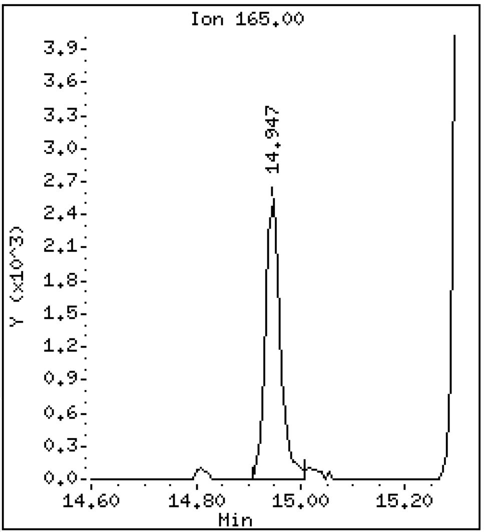
41 2,6-Dinitrotoluene Concentration: 0.3515 ug/mL

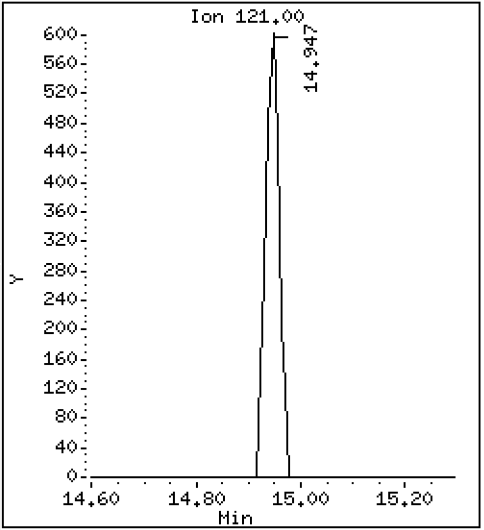

Scan 1321 (14.947 min) of NT1422123051.D

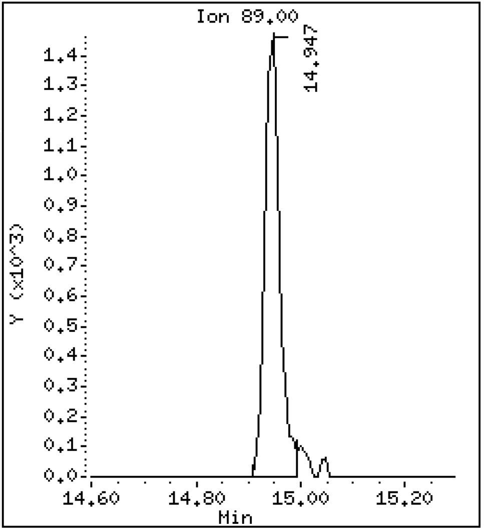

Scan 1321 (14.947 min) of NT1422123051.D (Subtracted)


41 2,6-Dinitrotoluene (Reference Spectrum)


Scan 1321 (14.947 min) of NT1422123051.D (% DIFFERENCE)


Ion 165.00


Ion 121.00


Ion 89.00

Data File: \\target\share\chem3\nt14.i\20221230B.b\NT1422123051.D

Date : 31-DEC-2022 14:29

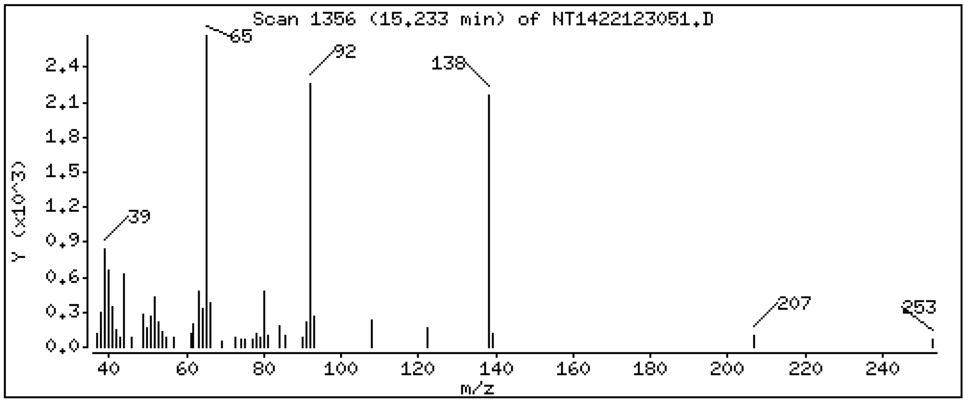
Client ID: Instrument: nt14.i

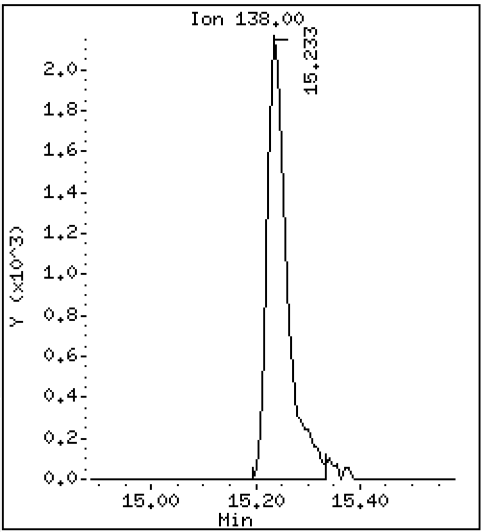
Sample Info: SKL0355-LCV1

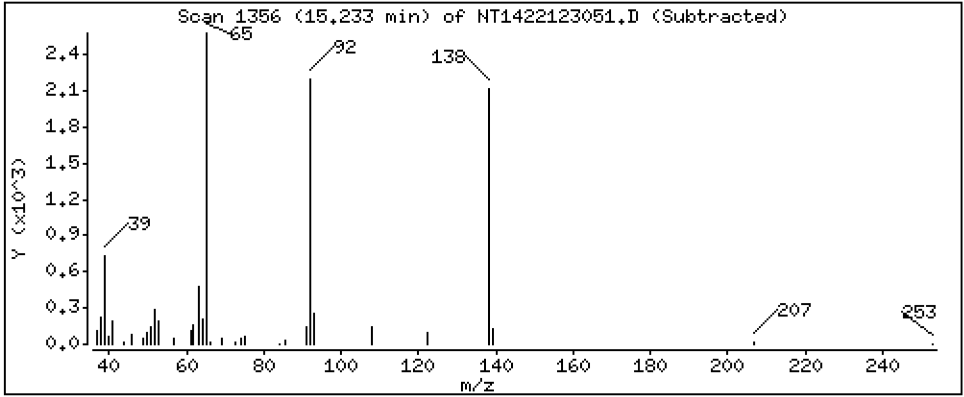
Operator: VTS

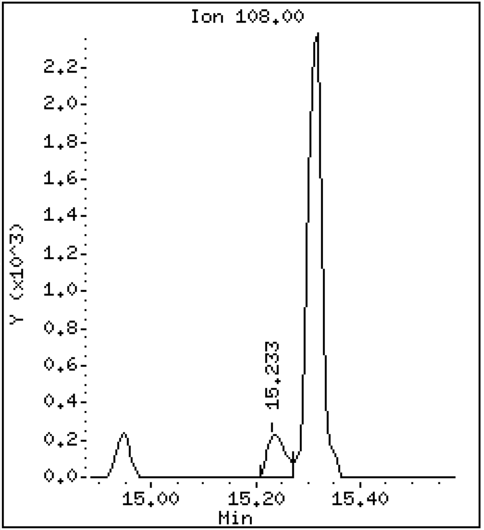
Column phase: ZB-5msi Column diameter: 0.25

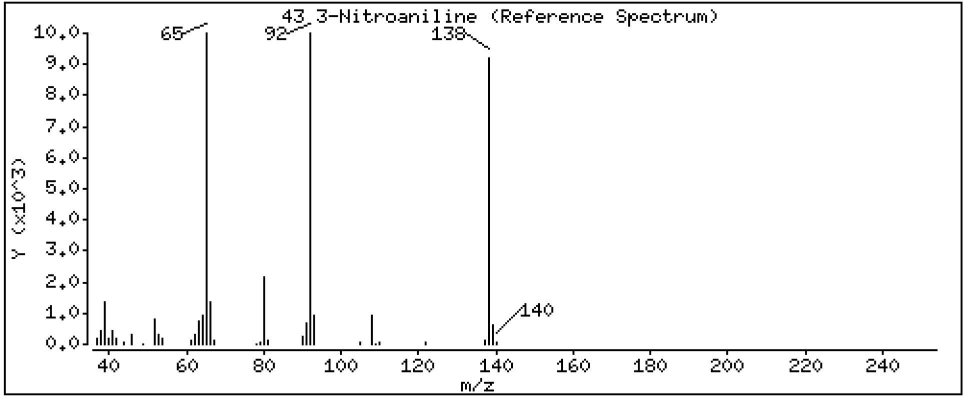
43 3-Nitroaniline Concentration: 0.3370 ug/mL

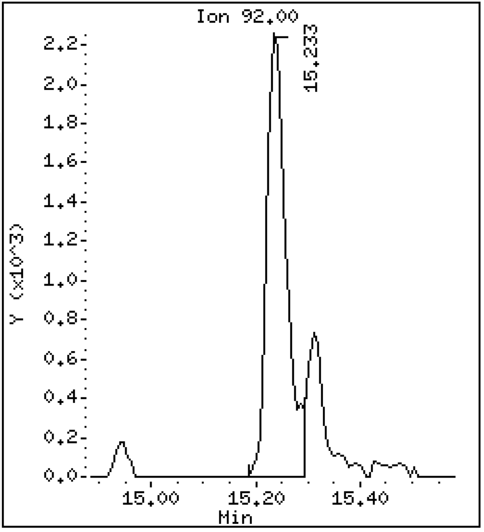


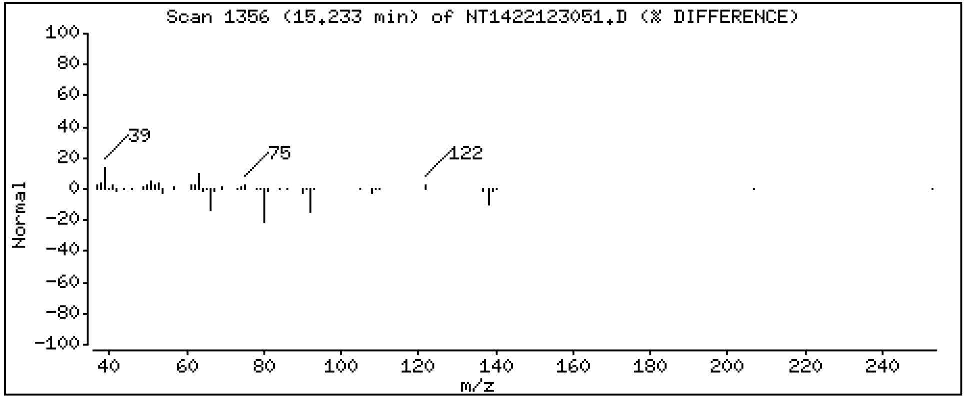












Data File: \\target\share\chem3\nt14.i\20221230B.b\NT1422123051.D

Date : 31-DEC-2022 14:29

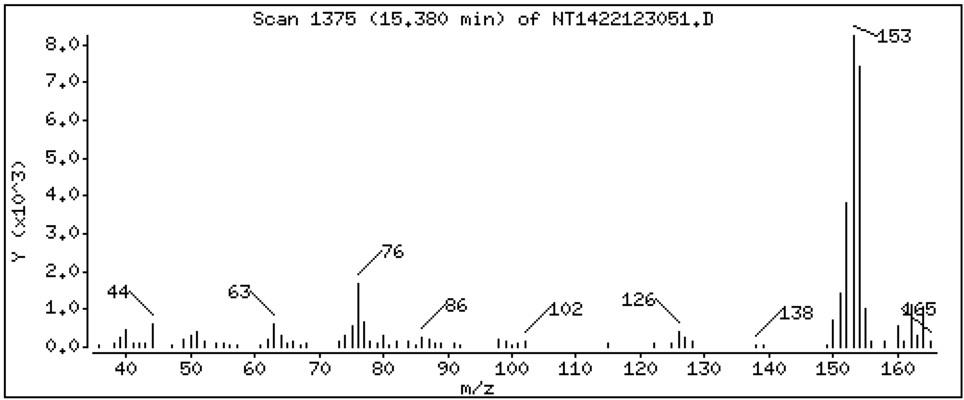
Client ID: Instrument: nt14.i

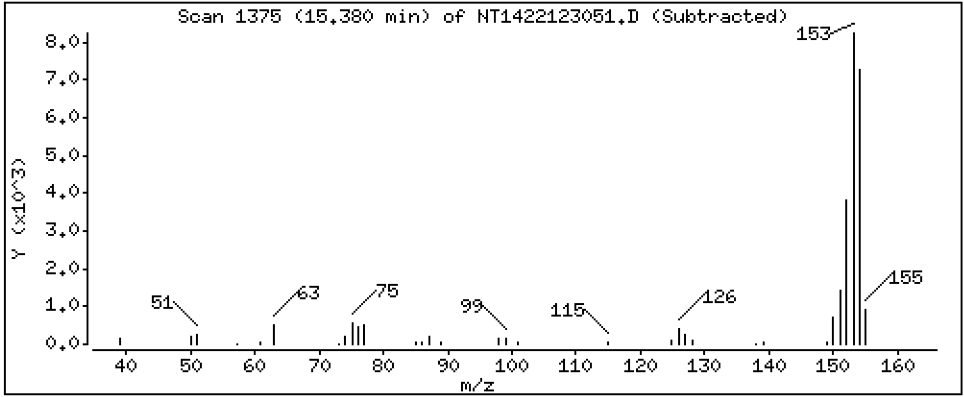
Sample Info: SKL0355-LCV1

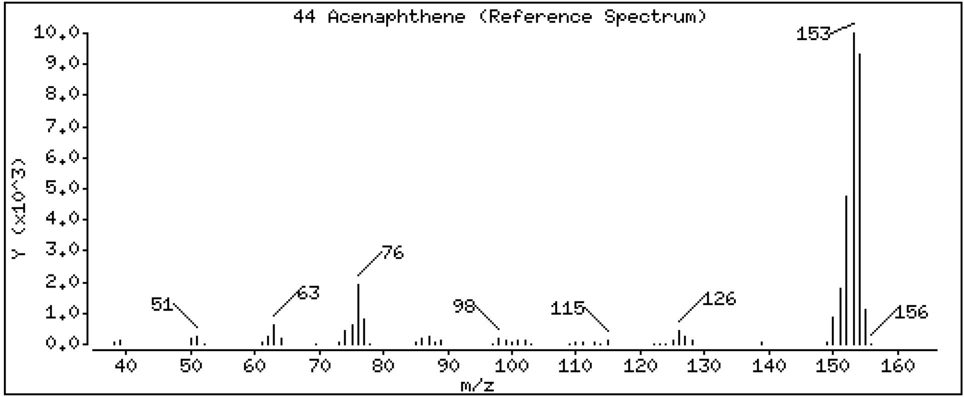
Operator: VTS

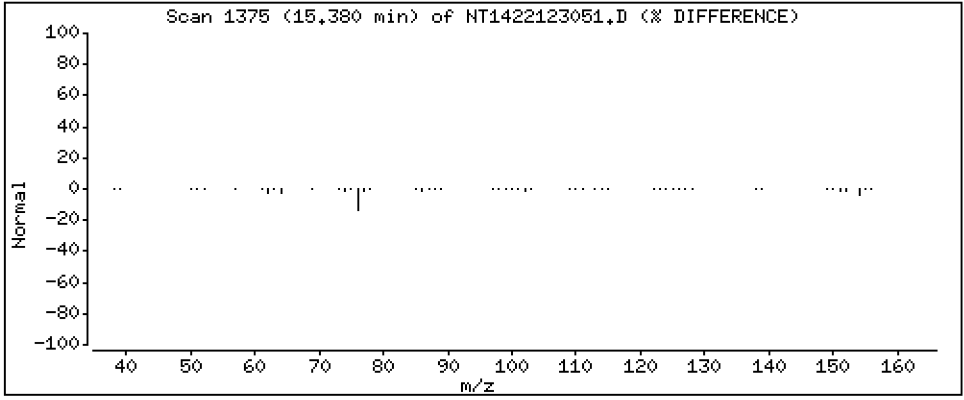
Column phase: ZB-5msi Column diameter: 0.25

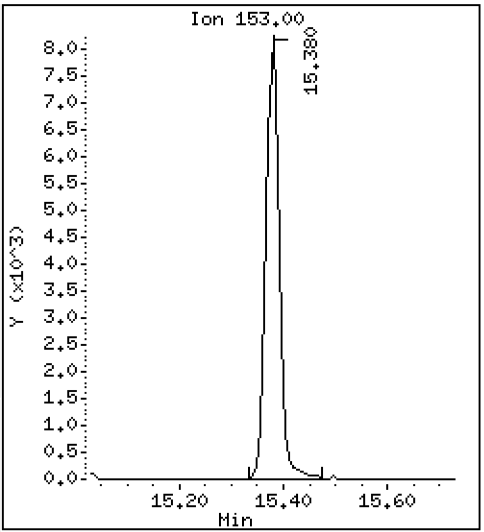
44 Acenaphthene Concentration: 0.2351 ug/mL

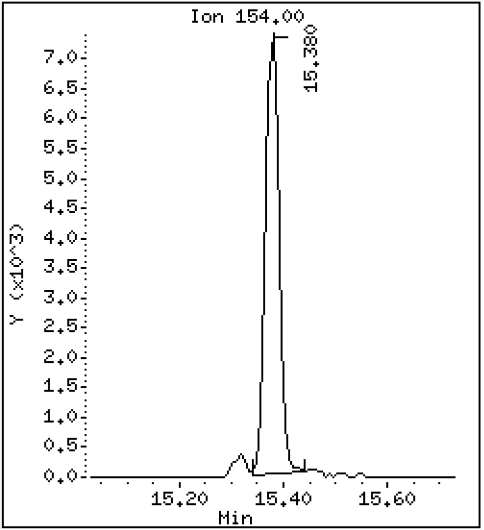

Scan 1375 (15.380 min) of NT1422123051.D

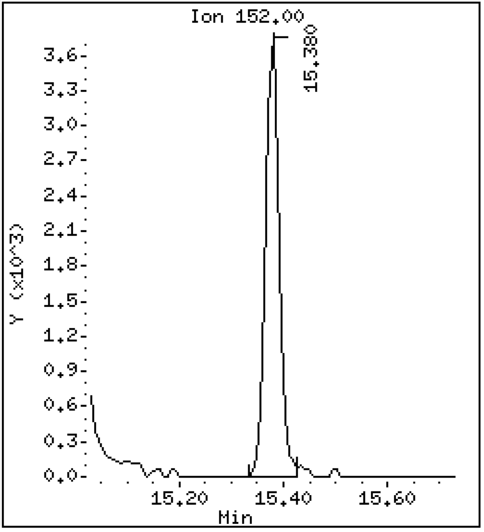

Scan 1375 (15.380 min) of NT1422123051.D (Subtracted)


44 Acenaphthene (Reference Spectrum)


Scan 1375 (15.380 min) of NT1422123051.D (% DIFFERENCE)


Ion 153.00


Ion 154.00


Ion 152.00

Data File: \\target\share\chem3\nt14.i\20221230B.b\NT1422123051.D Page 37

Date : 31-DEC-2022 14:29

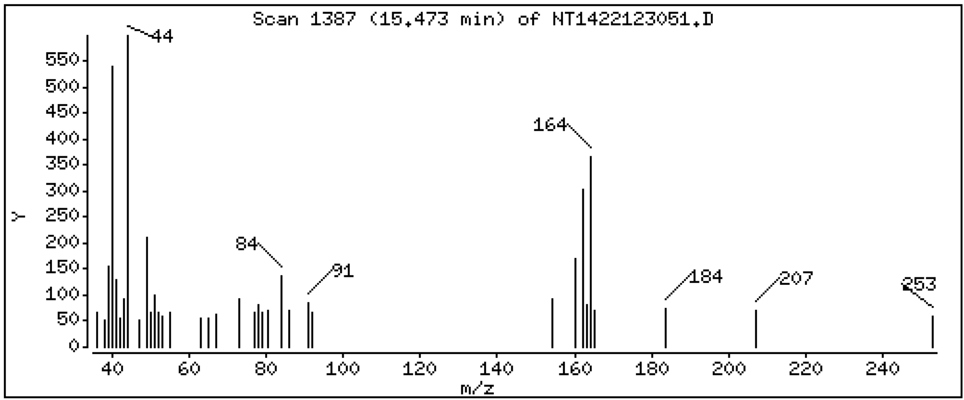
Client ID: Instrument: nt14.i

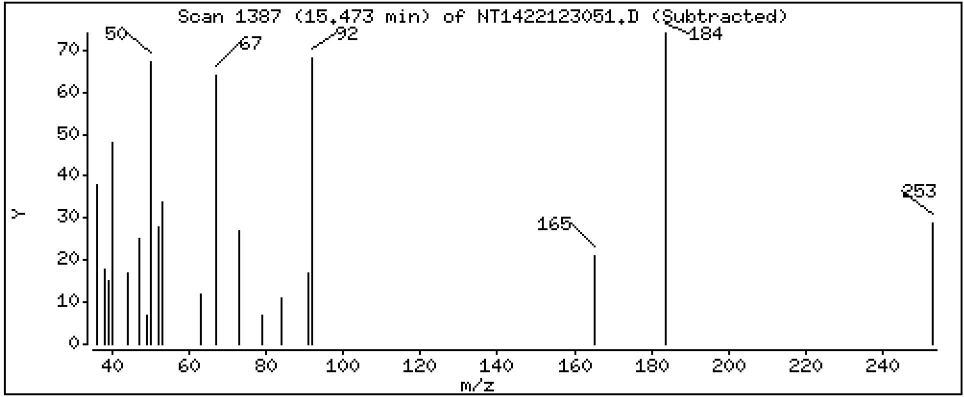
Sample Info: SKL0355-LCV1

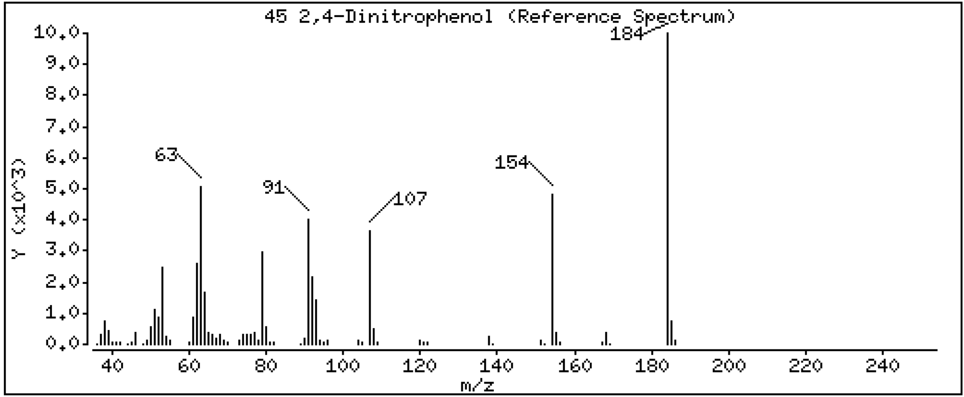
Operator: VTS

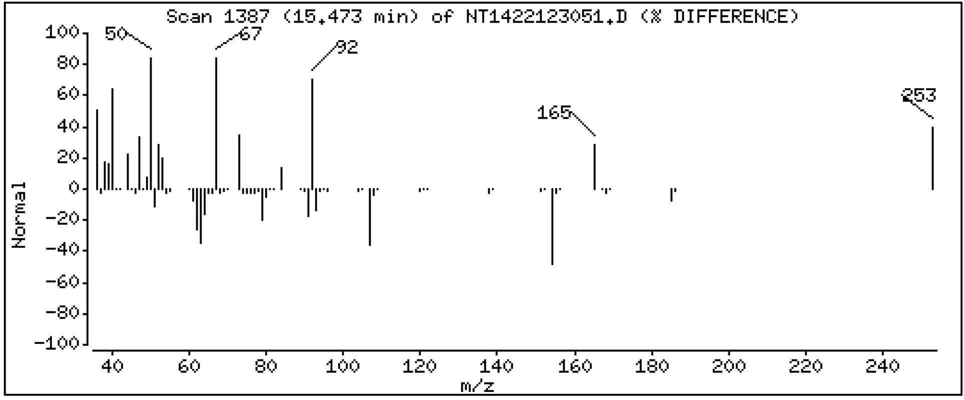
Column phase: ZB-5msi Column diameter: 0.25

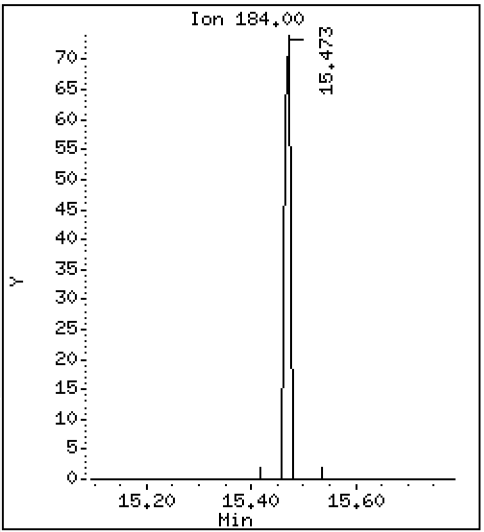
45 2,4-Dinitrophenol Concentration: 0.005296 ug/mL

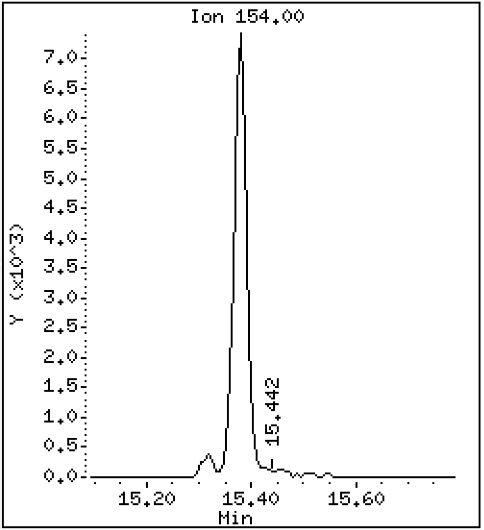


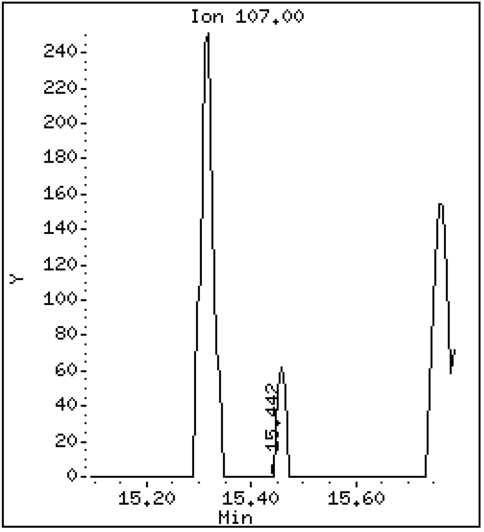












Data File: \\target\share\chem3\nt14.i\20221230B.b\NT1422123051.D

Date : 31-DEC-2022 14:29

Client ID:

Instrument: nt14.i

Sample Info: SKL0355-LCV1

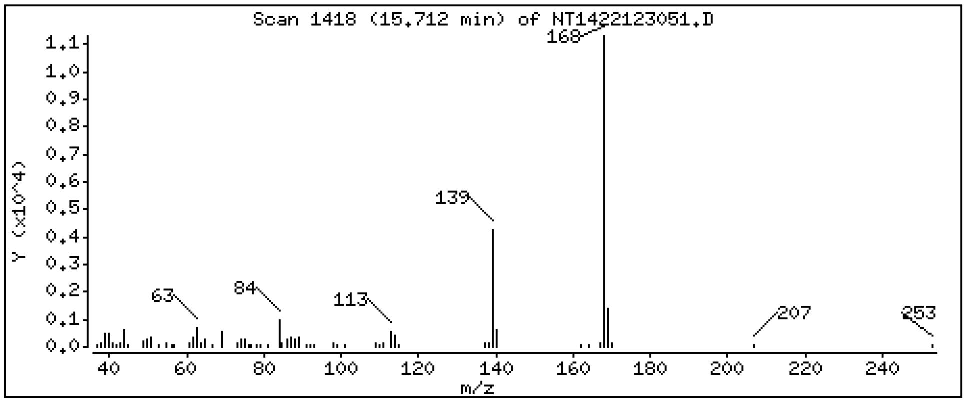
Operator: VTS

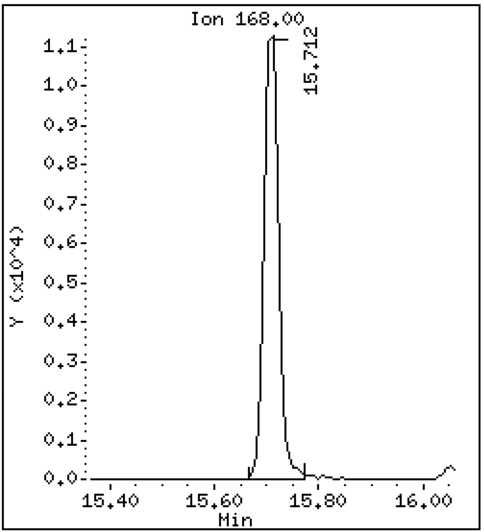
Column phase: ZB-5msi

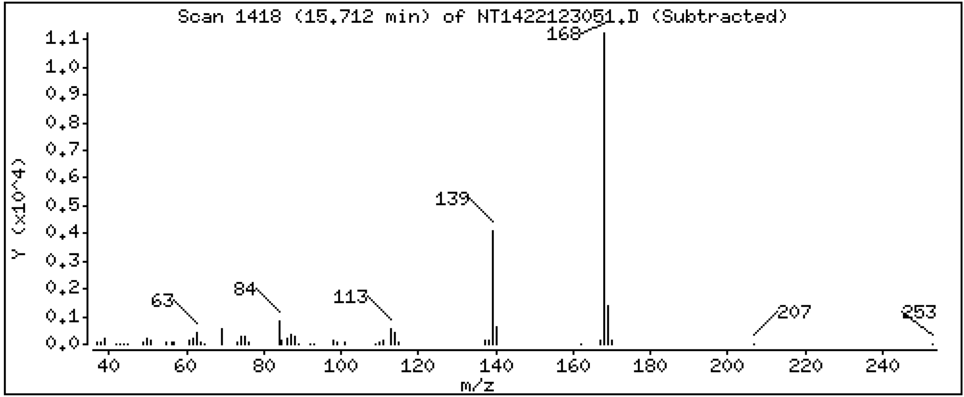
Column diameter: 0.25

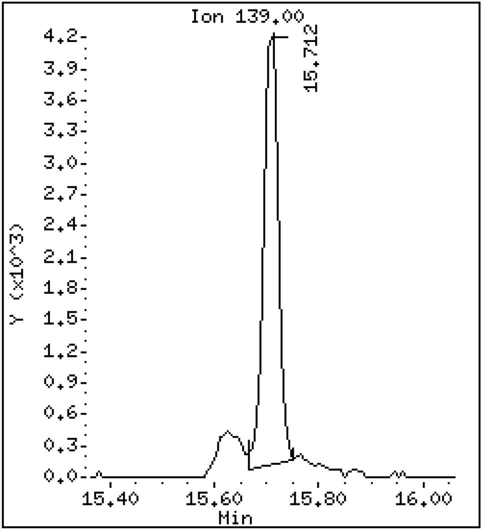
46 Dibenzofuran

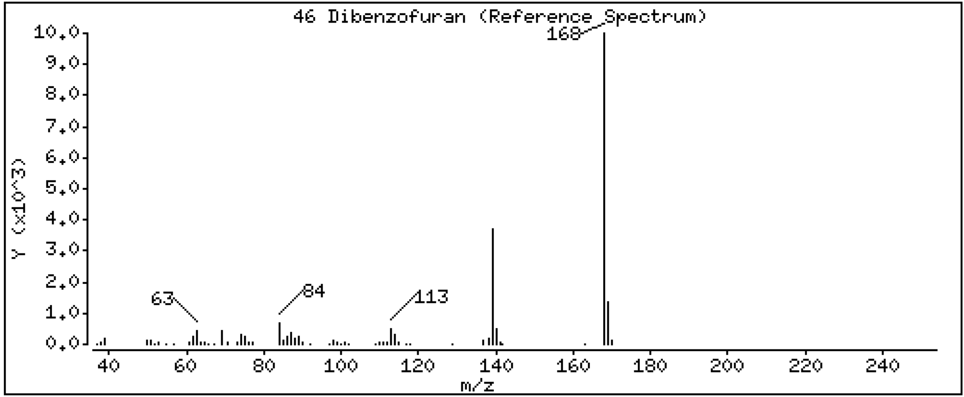
Concentration: 0.2405 ug/mL

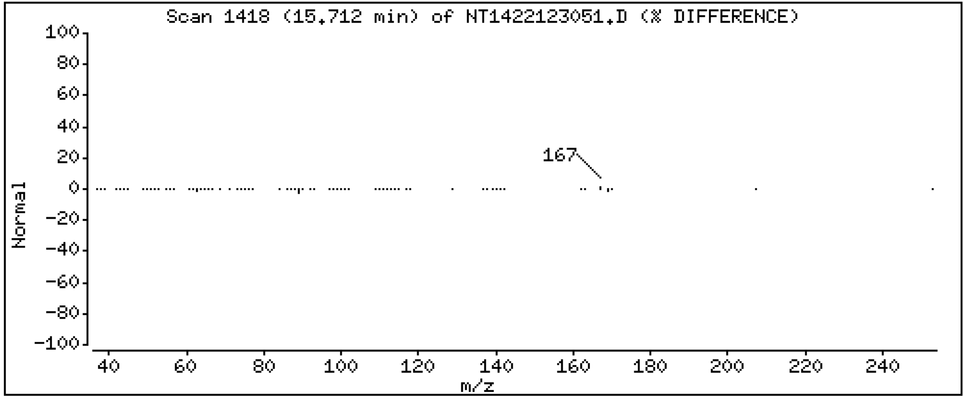


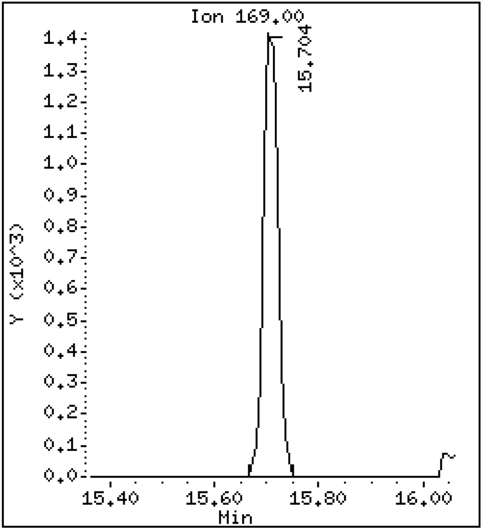












Data File: \\target\share\chem3\nt14.i\20221230B.b\NT1422123051.D

Date : 31-DEC-2022 14:29

Client ID:

Instrument: nt14.i

Sample Info: SKL0355-LCV1

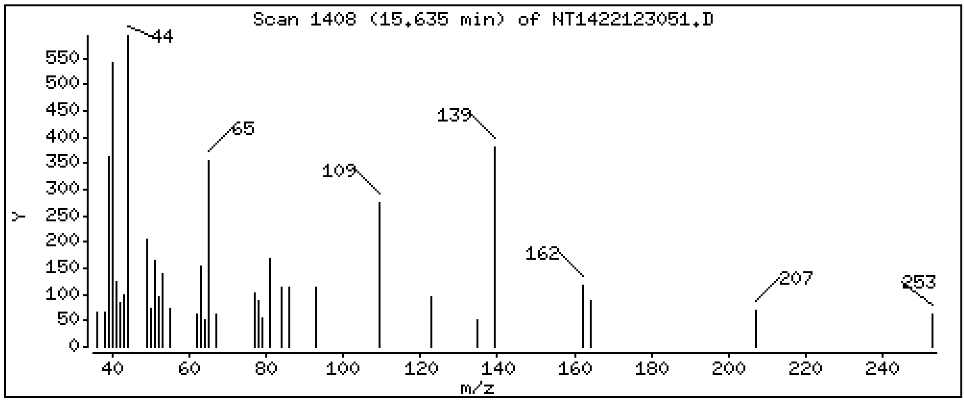
Operator: VTS

Column phase: ZB-5msi

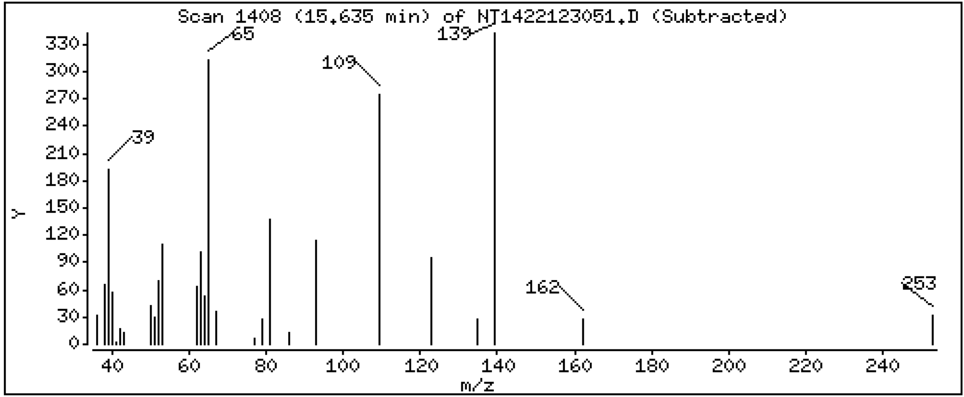
Column diameter: 0.25

47 4-Nitrophenol

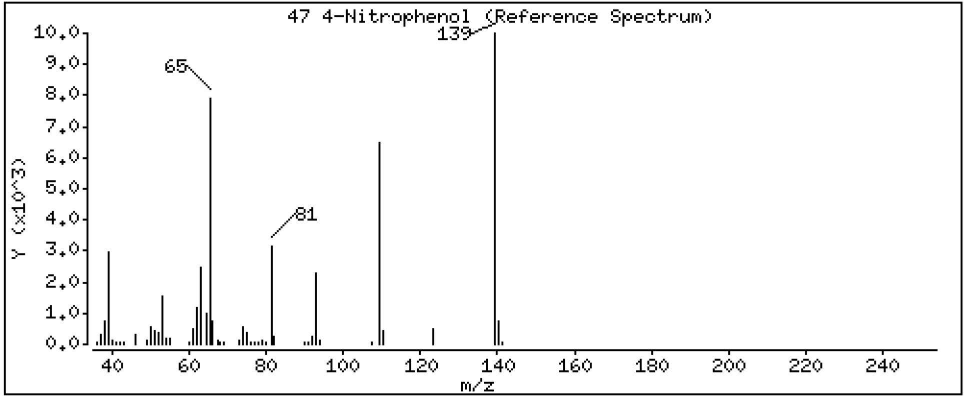
Concentration: 0.2375 ug/mL



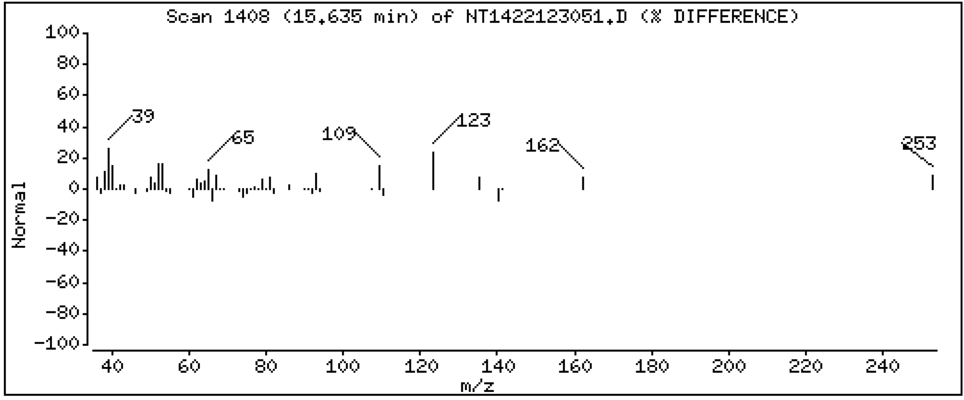
Scan 1408 (15.635 min) of NT1422123051.D



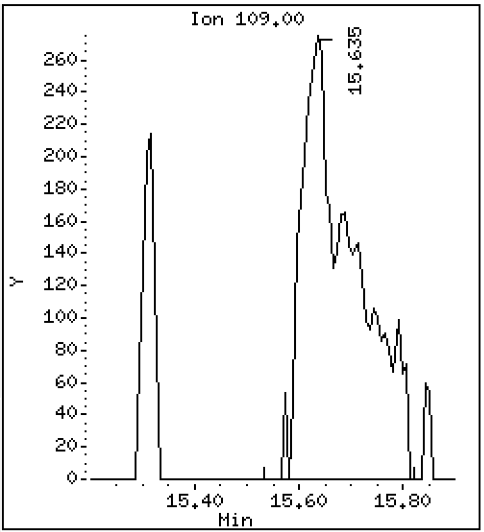
Scan 1408 (15.635 min) of NT1422123051.D (Subtracted)



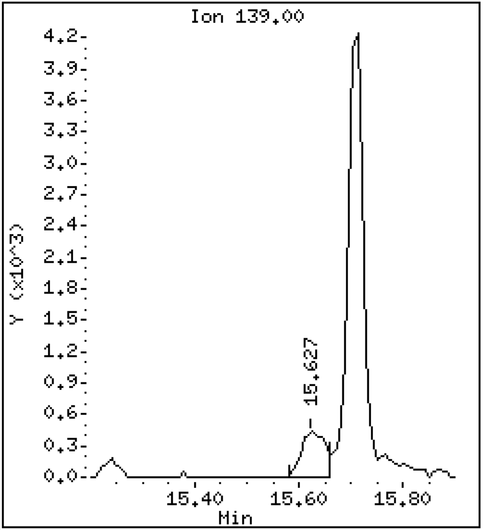
47 4-Nitrophenol (Reference Spectrum)



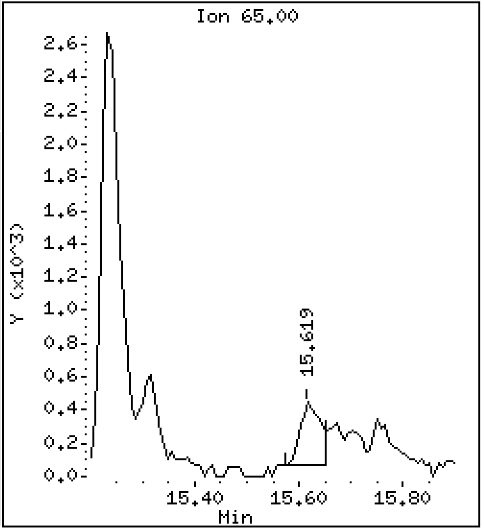
Scan 1408 (15.635 min) of NT1422123051.D (% DIFFERENCE)



Ion 109.00



Ion 139.00



Ion 65.00

Data File: \\target\share\chem3\nt14.i\20221230B.b\NT1422123051.D

Date : 31-DEC-2022 14:29

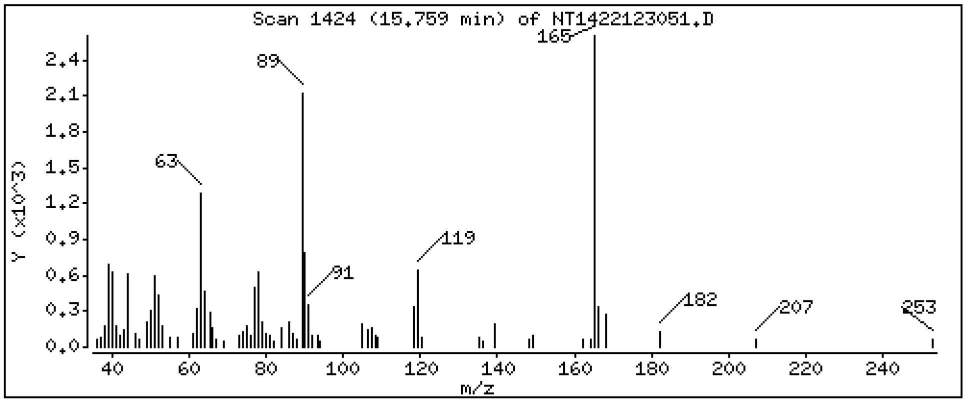
Client ID: Instrument: nt14.i

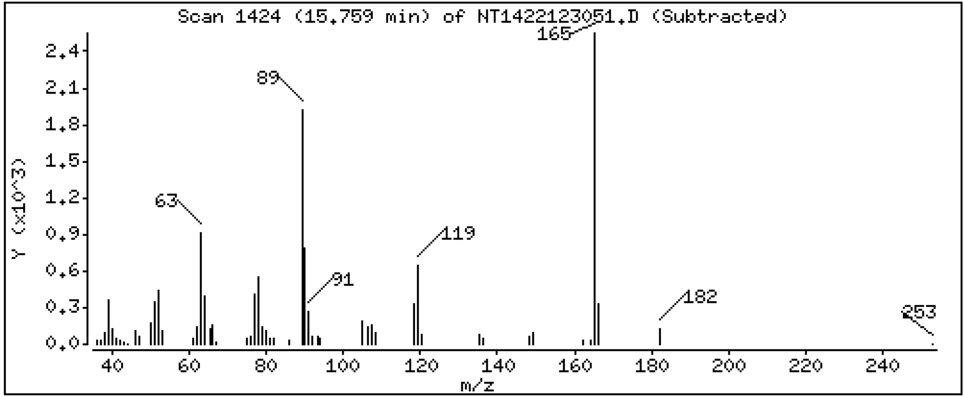
Sample Info: SKL0355-LCV1

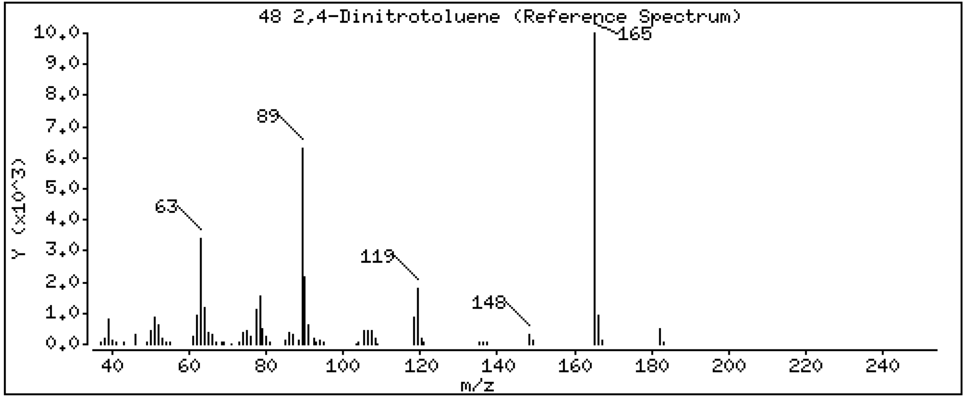
Operator: VTS

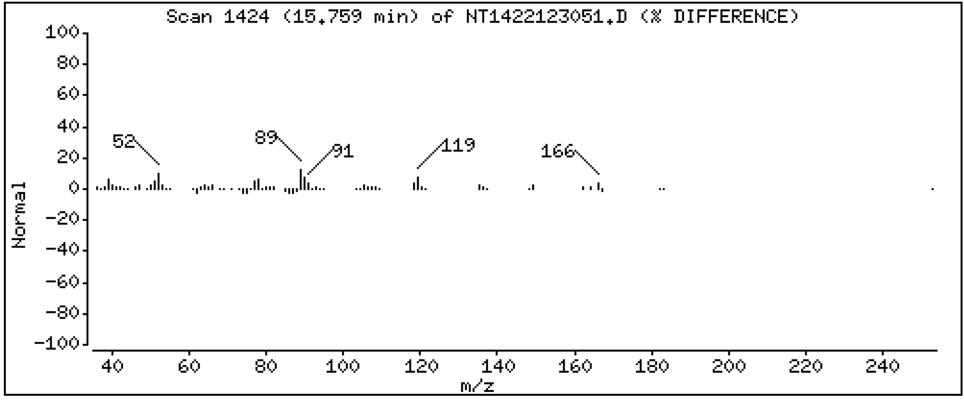
Column phase: ZB-5msi Column diameter: 0.25

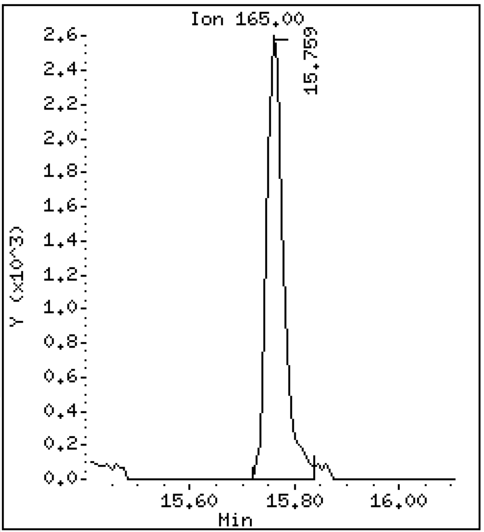
48 2,4-Dinitrotoluene Concentration: 0.3020 ug/mL

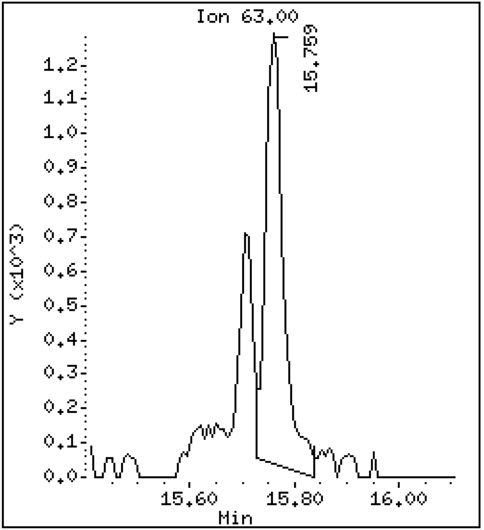


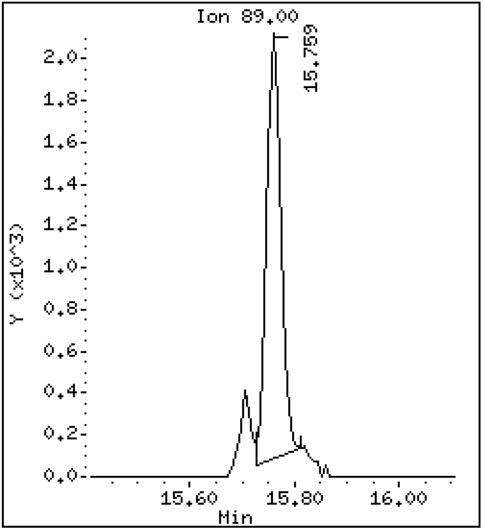












Data File: \\target\share\chem3\nt14.i\20221230B.b\NT1422123051.D

Date : 31-DEC-2022 14:29

Client ID:

Instrument: nt14.i

Sample Info: SKL0355-LCV1

Operator: VTS

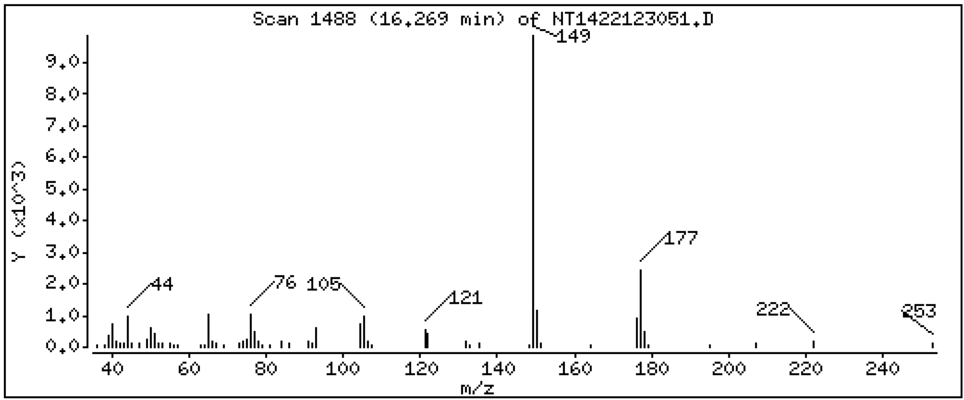
Column phase: ZB-5msi

Column diameter: 0.25

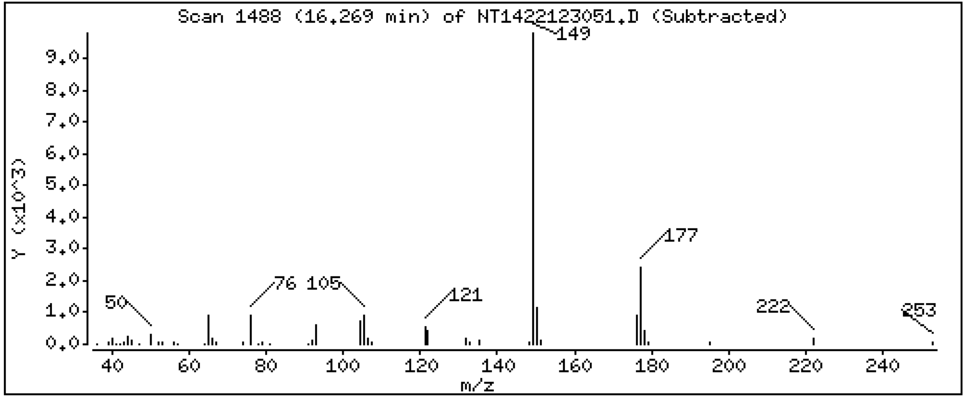
50 Diethylphthalate

Concentration: 0.2277 ug/mL

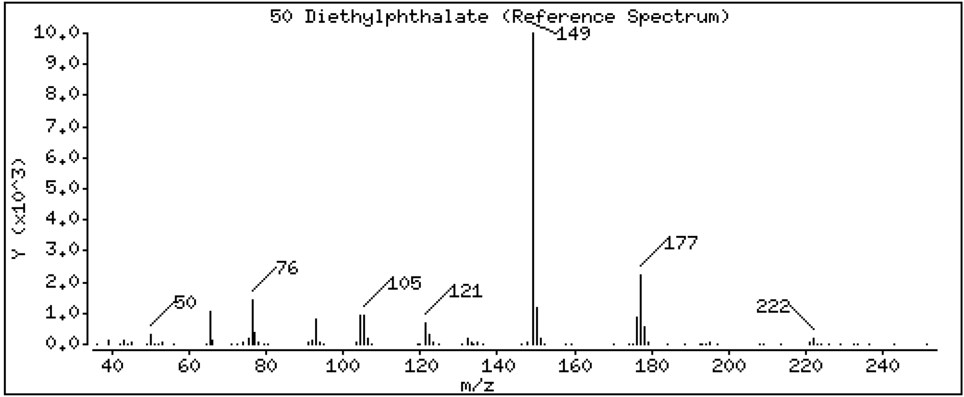
Scan 1488 (16.269 min) of NT1422123051.D



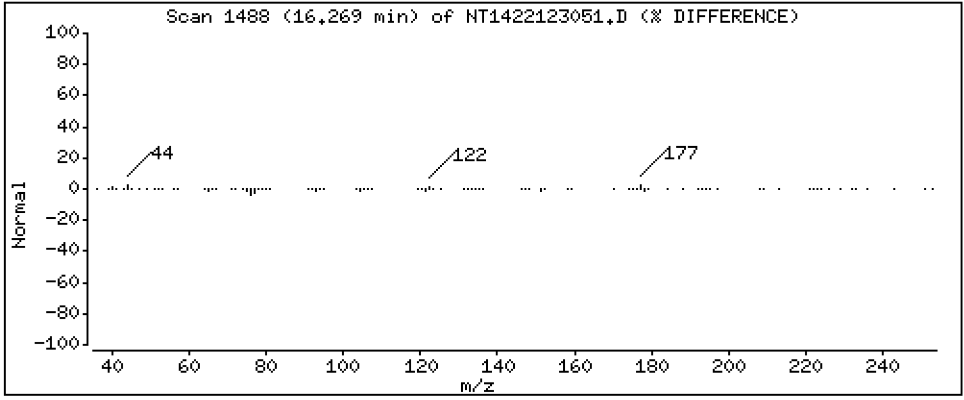
Scan 1488 (16.269 min) of NT1422123051.D (Subtracted)



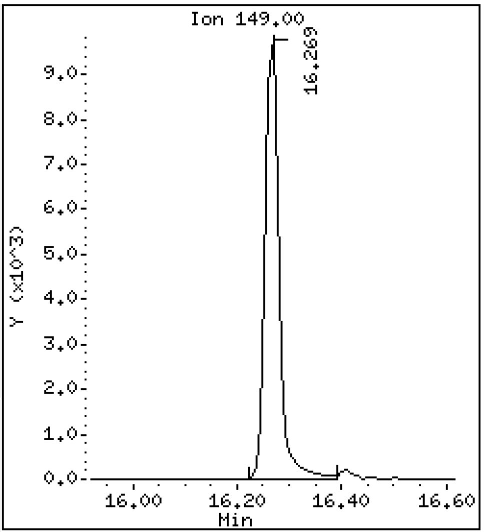
50 Diethylphthalate (Reference Spectrum)



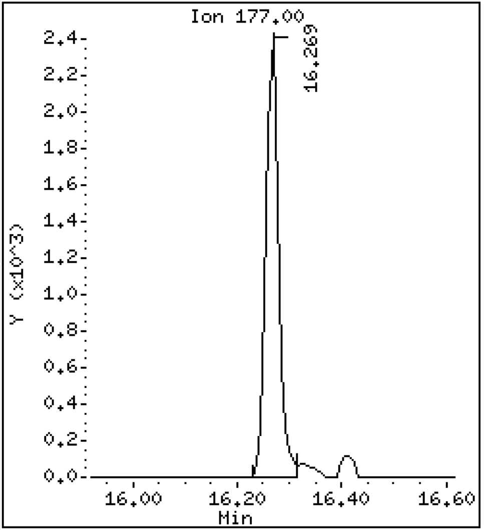
Scan 1488 (16.269 min) of NT1422123051.D (% DIFFERENCE)



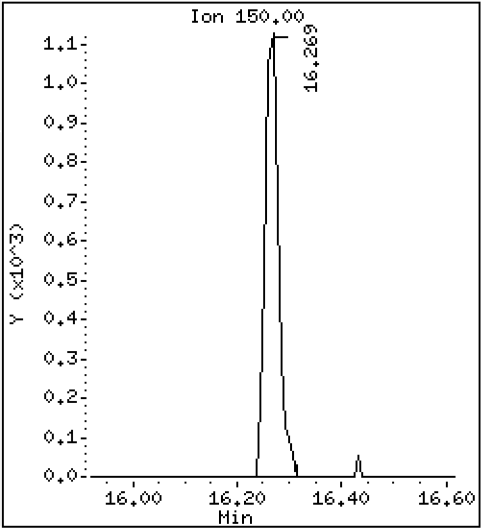
Ion 149.00



Ion 177.00



Ion 150.00



Date : 31-DEC-2022 14:29

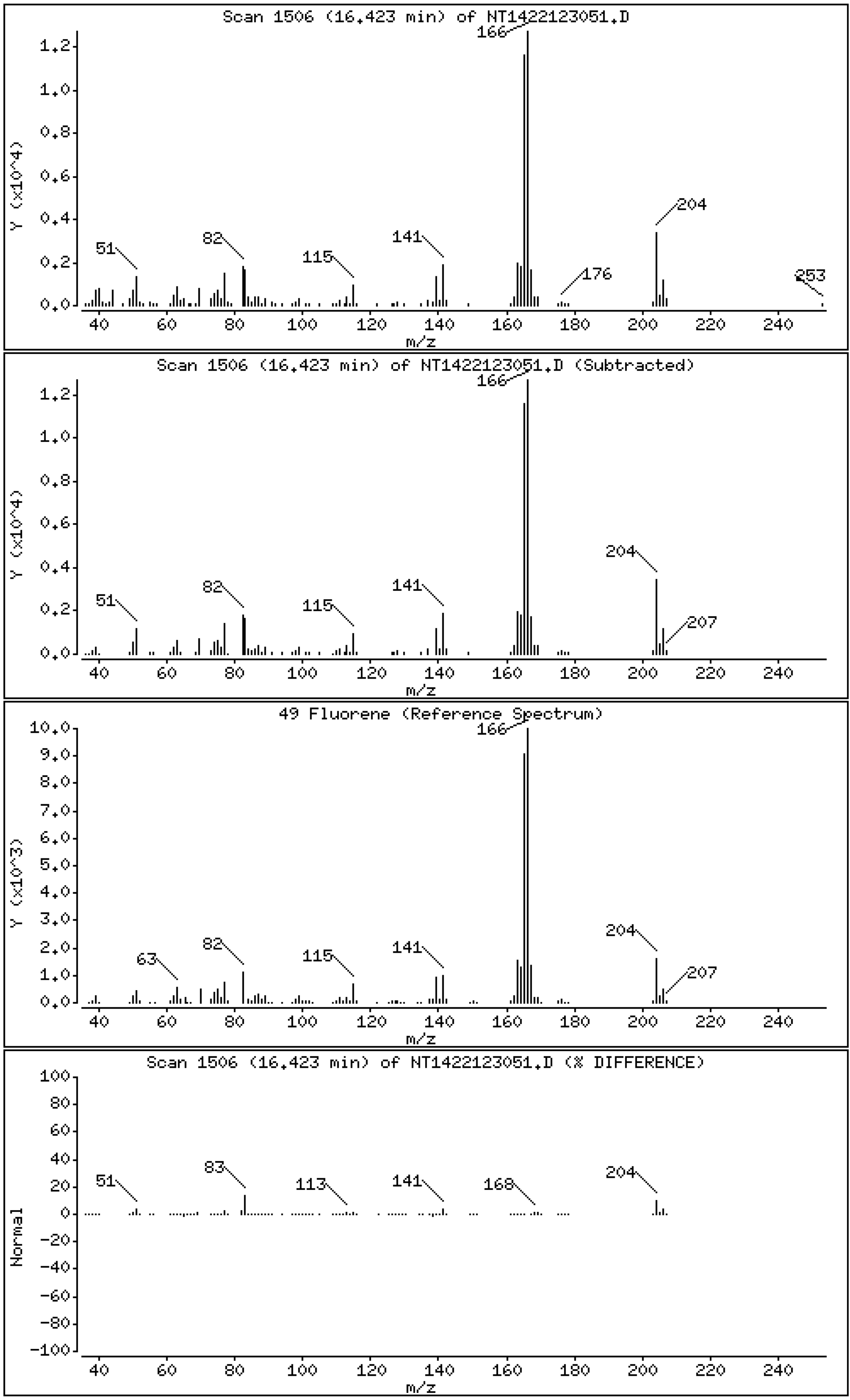
Client ID: Instrument: nt14.i

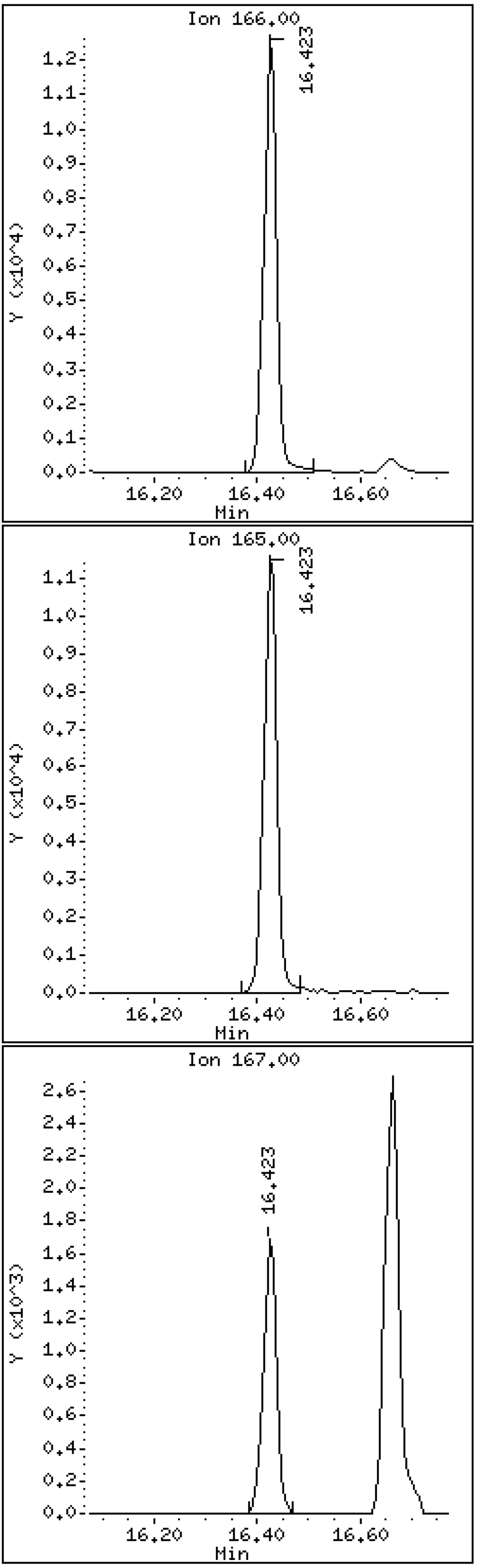
Sample Info: SKL0355-LCV1

Operator: VTS

Column phase: ZB-5msi Column diameter: 0.25

49 Fluorene Concentration: 0.2274 ug/mL





Data File: \\target\share\chem3\nt14.i\20221230B.b\NT1422123051.D

Date : 31-DEC-2022 14:29

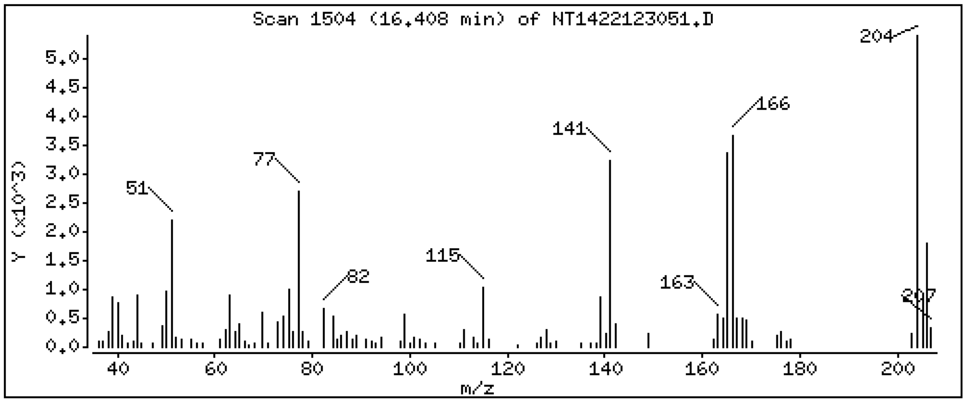
Client ID: Instrument: nt14.i

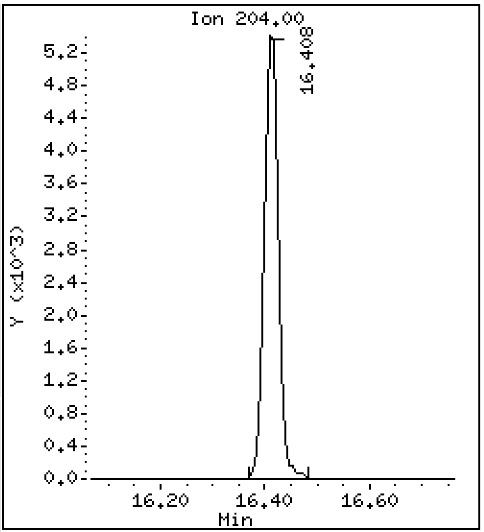
Sample Info: SKL0355-LCV1

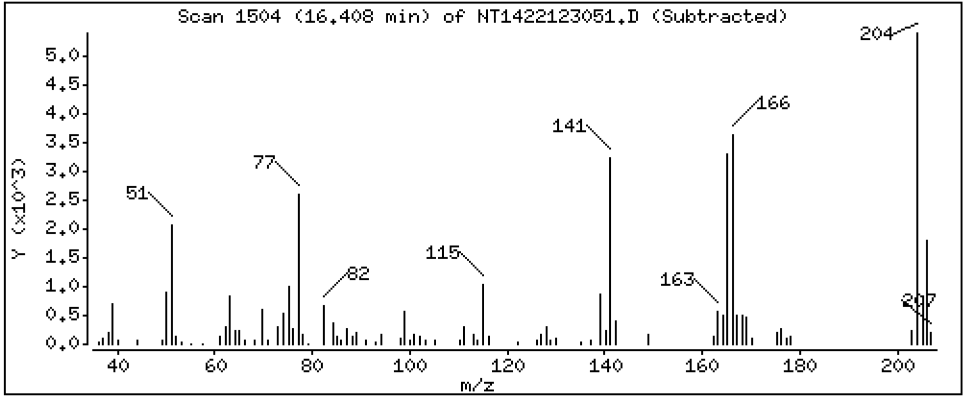
Operator: VTS

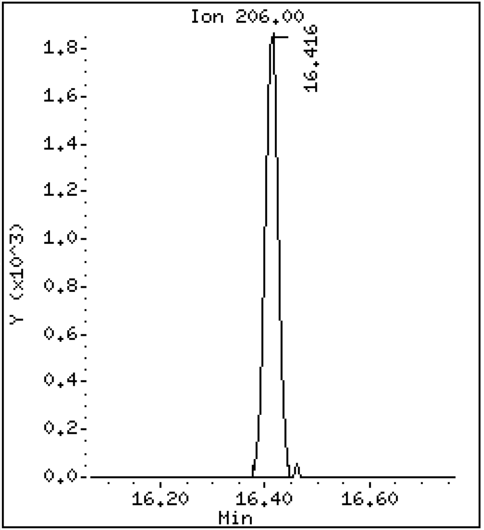
Column phase: ZB-5msi Column diameter: 0.25

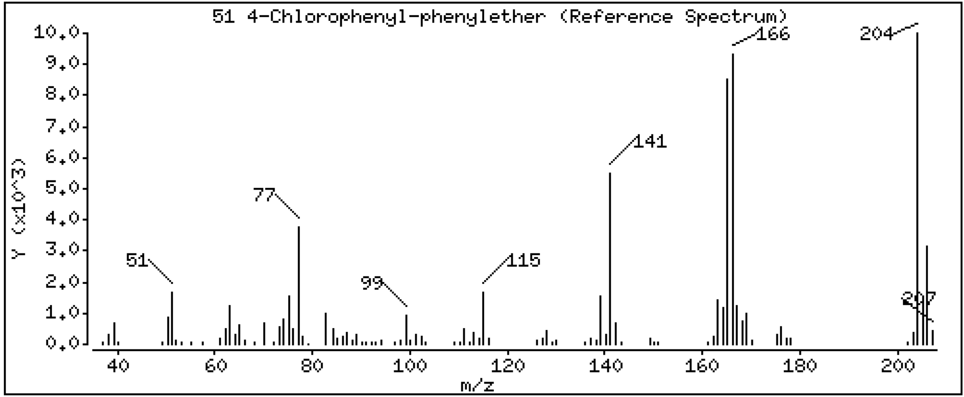
51 4-Chlorophenyl-phenylether Concentration: 0.2138 ug/mL

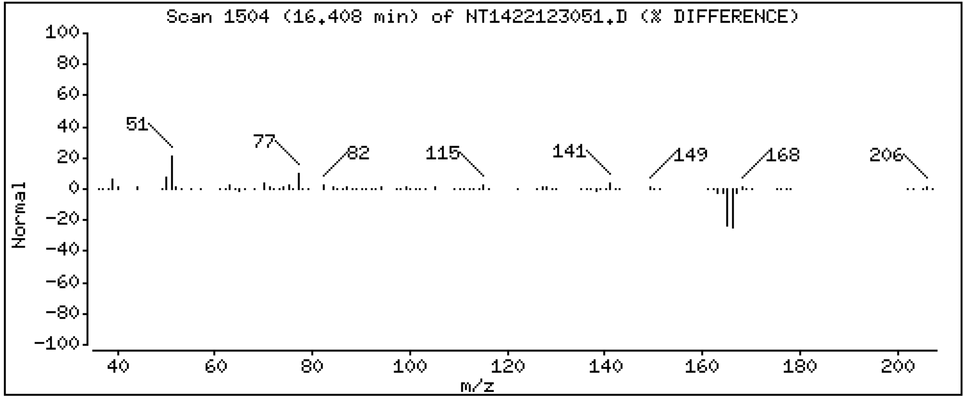

Scan 1504 (16.408 min) of NT1422123051.D

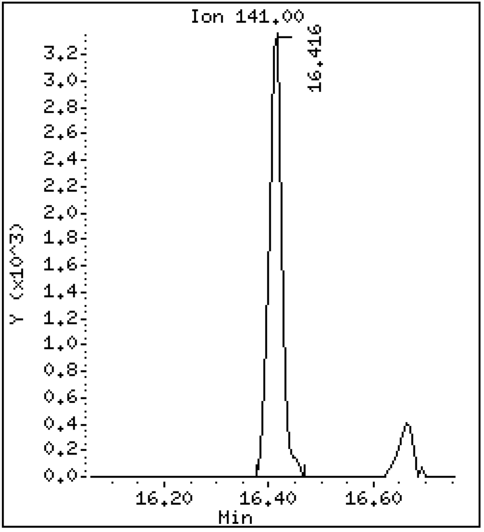

Ion 204.00


Scan 1504 (16.408 min) of NT1422123051.D (Subtracted)


Ion 206.00


51 4-Chlorophenyl-phenylether (Reference Spectrum)


Scan 1504 (16.408 min) of NT1422123051.D (% DIFFERENCE)


Ion 141.00

Data File: \\target\share\chem3\nt14.i\20221230B.b\NT1422123051.D

Date : 31-DEC-2022 14:29

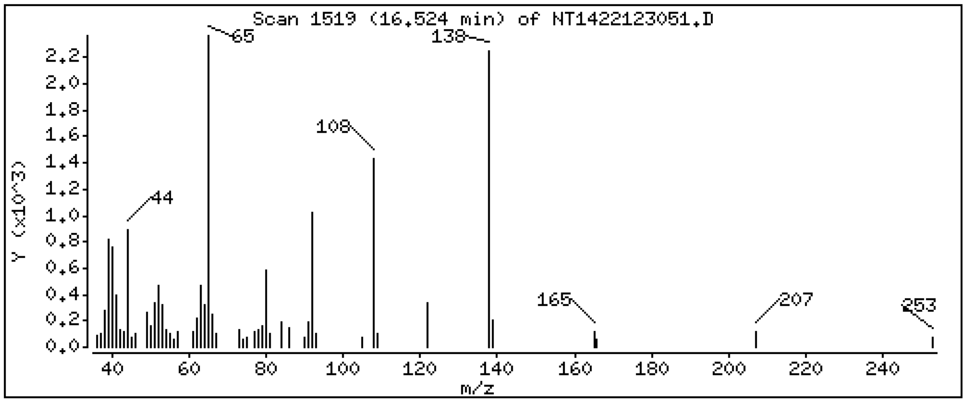
Client ID: Instrument: nt14.i

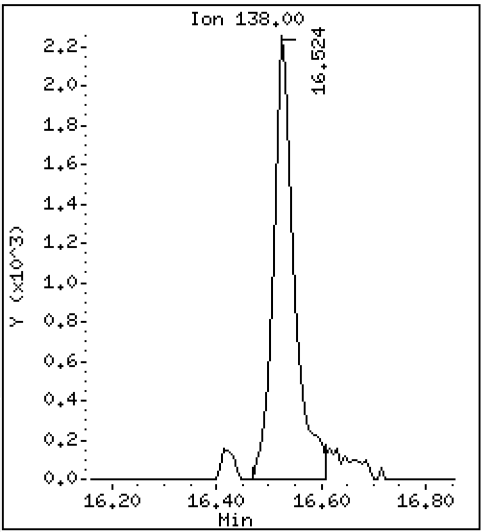
Sample Info: SKL0355-LCV1

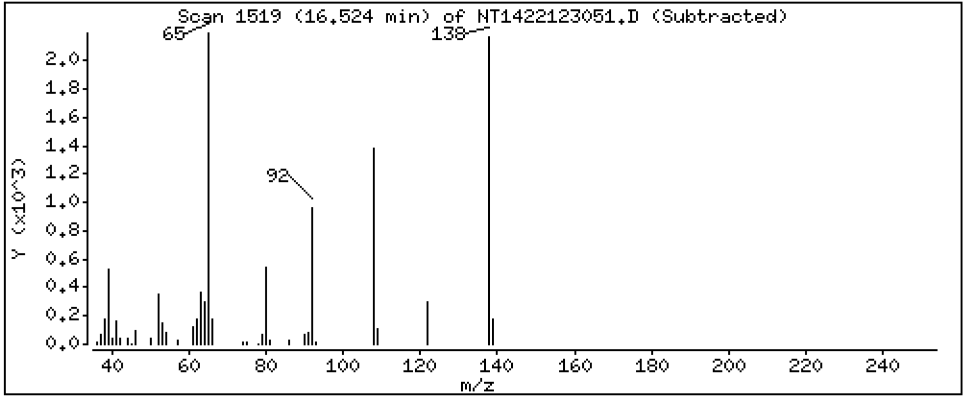
Operator: VTS

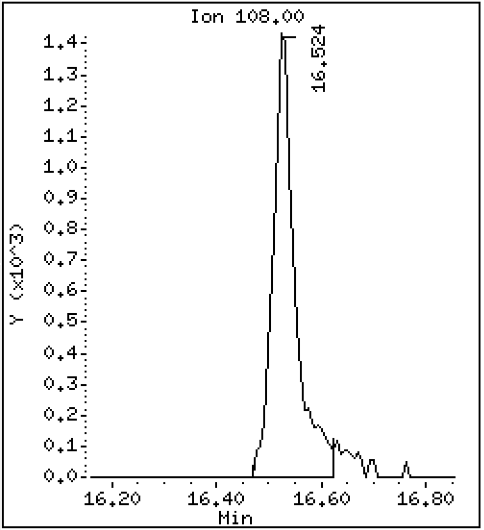
Column phase: ZB-5msi Column diameter: 0.25

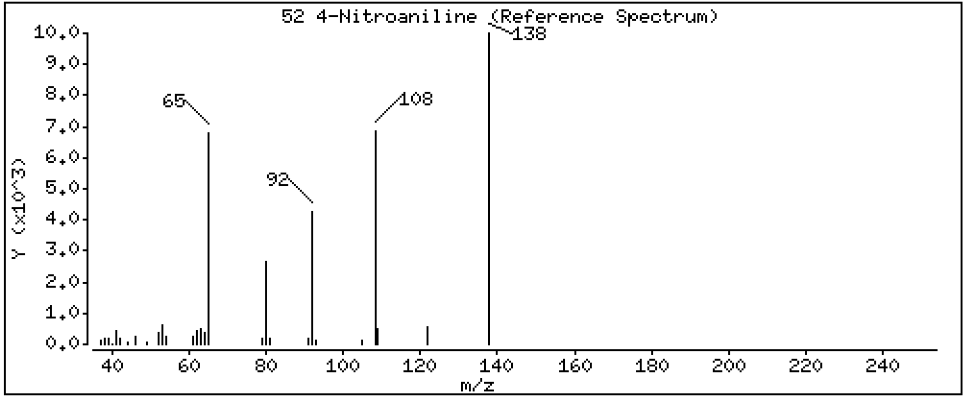
52 4-Nitroaniline Concentration: 0.3128 ug/mL

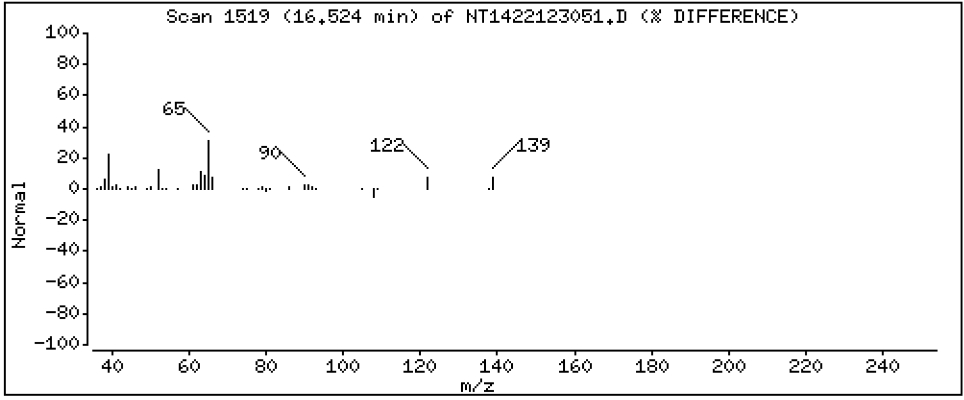


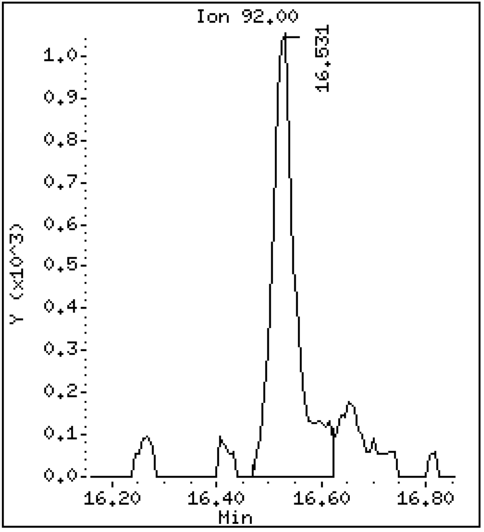












Data File: \\target\share\chem3\nt14.i\20221230B.b\NT1422123051.D

Date : 31-DEC-2022 14:29

Client ID:

Instrument: nt14.i

Sample Info: SKL0355-LCV1

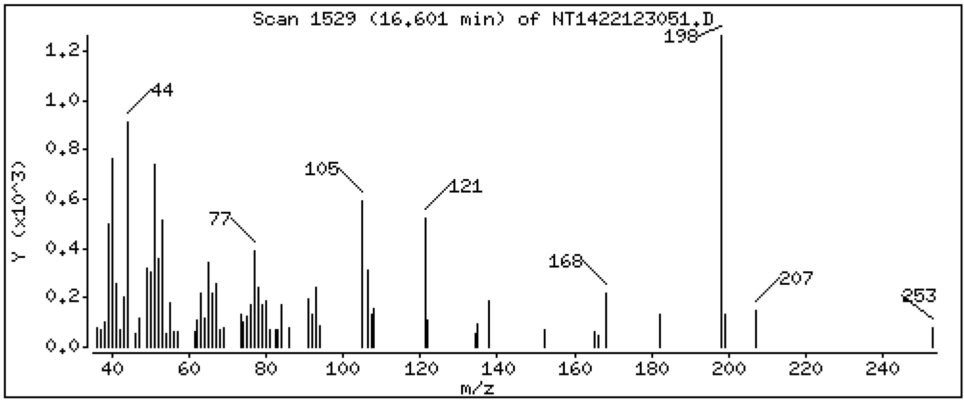
Operator: VTS

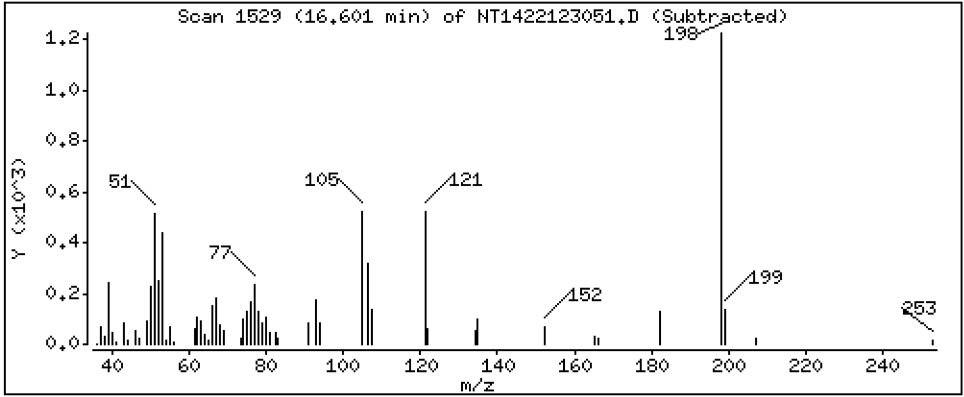
Column phase: ZB-5msi

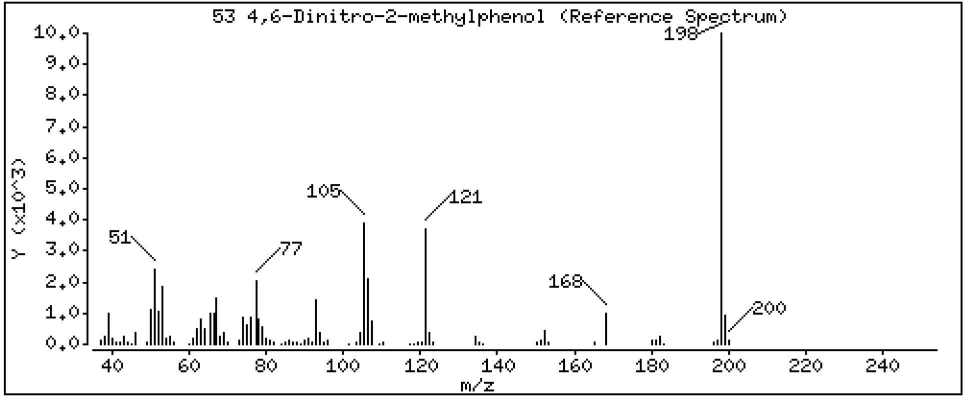
Column diameter: 0.25

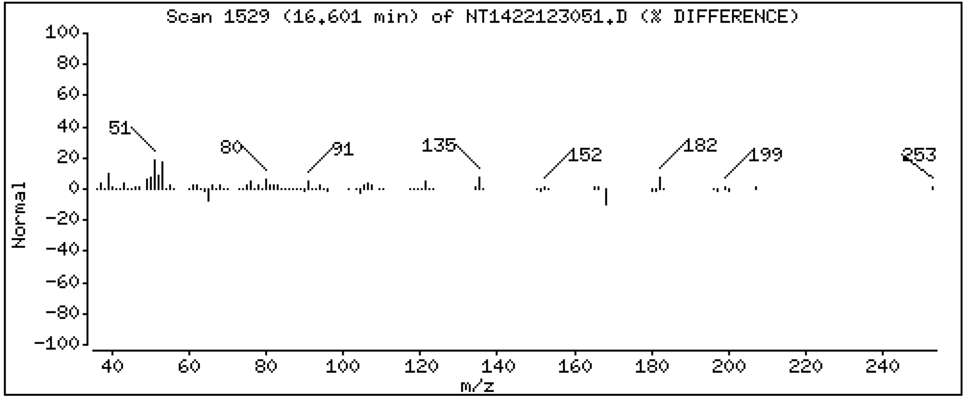
53 4,6-Dinitro-2-methylphenol

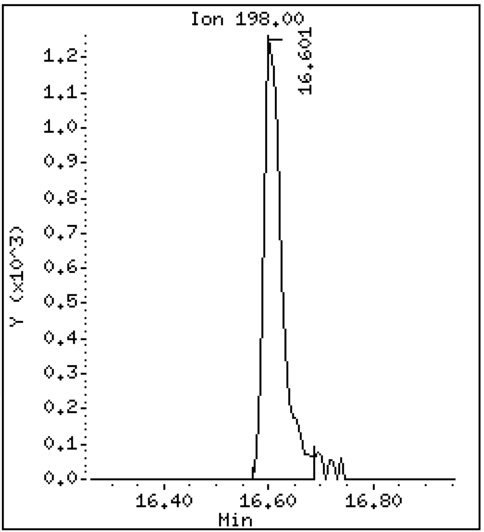
Concentration: 0.2020 ug/mL

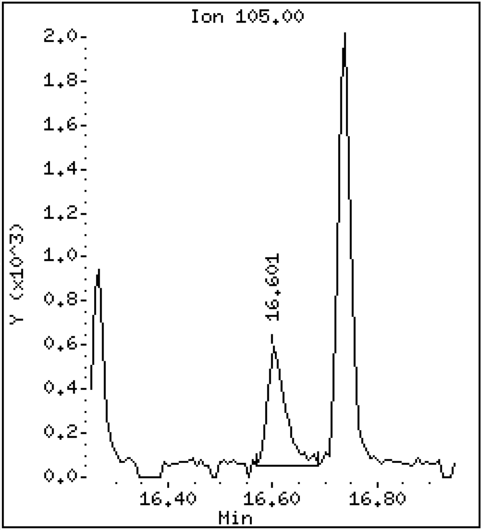

Scan 1529 (16.601 min) of NT1422123051.D

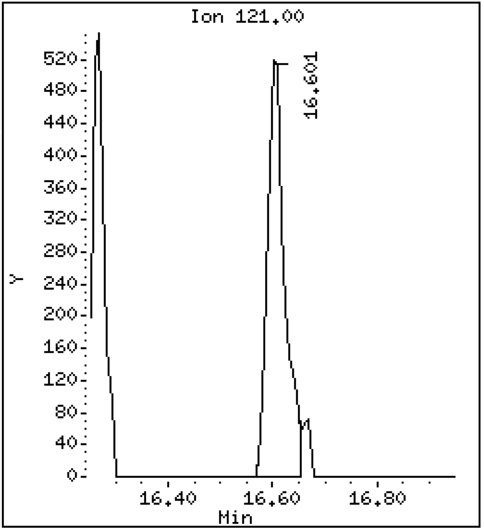

Scan 1529 (16.601 min) of NT1422123051.D (Subtracted)


53 4,6-Dinitro-2-methylphenol (Reference Spectrum)


Scan 1529 (16.601 min) of NT1422123051.D (% DIFFERENCE)


Ion 198.00


Ion 105.00


Ion 121.00

Data File: \\target\share\chem3\nt14.i\20221230B.b\NT1422123051.D

Date : 31-DEC-2022 14:29

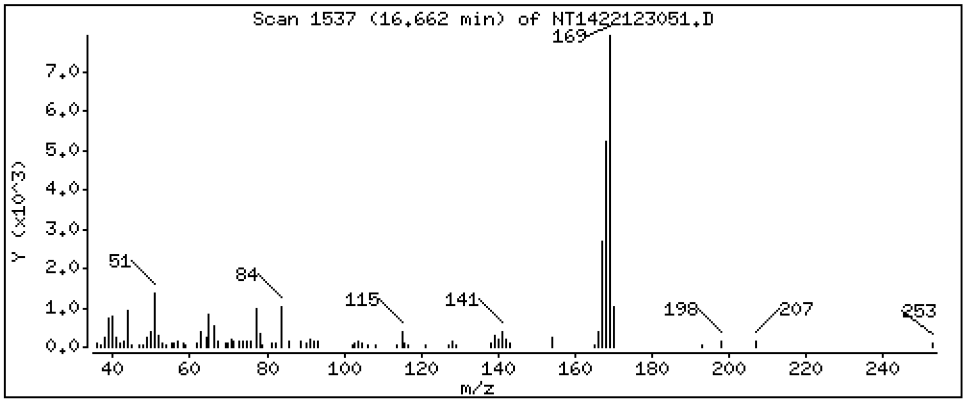
Client ID: Instrument: nt14.i

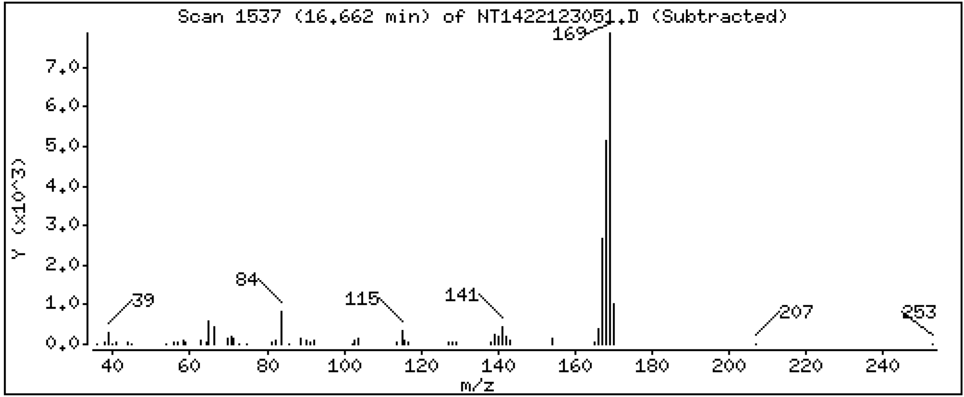
Sample Info: SKL0355-LCV1

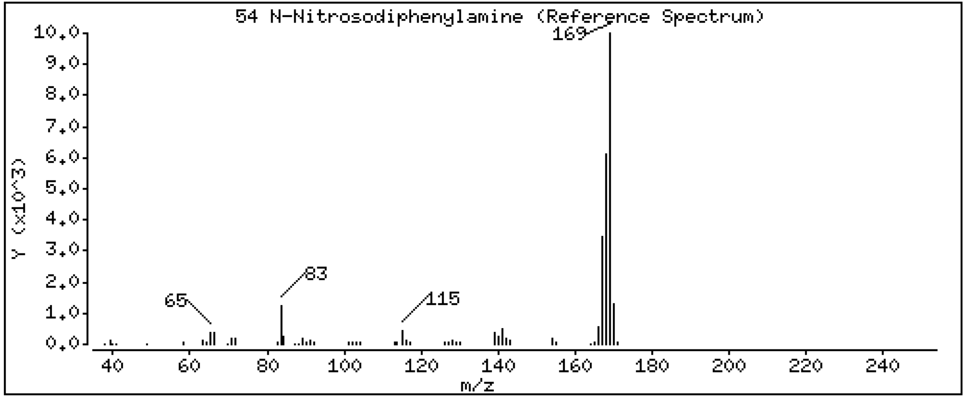
Operator: VTS

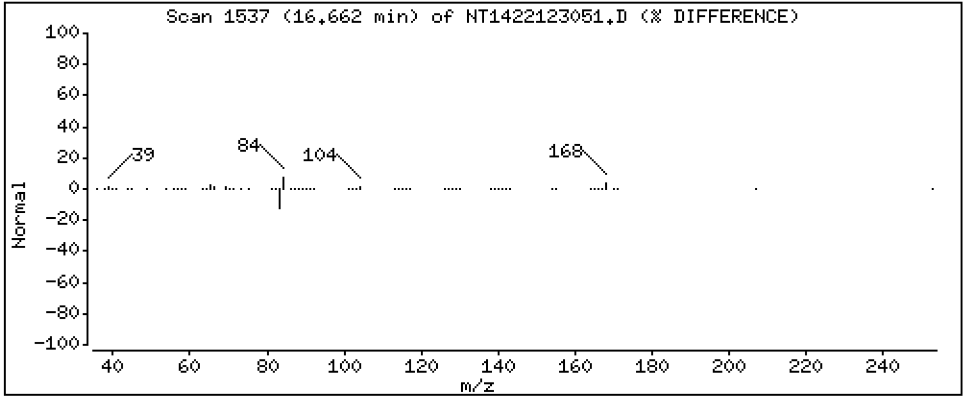
Column phase: ZB-5msi Column diameter: 0.25

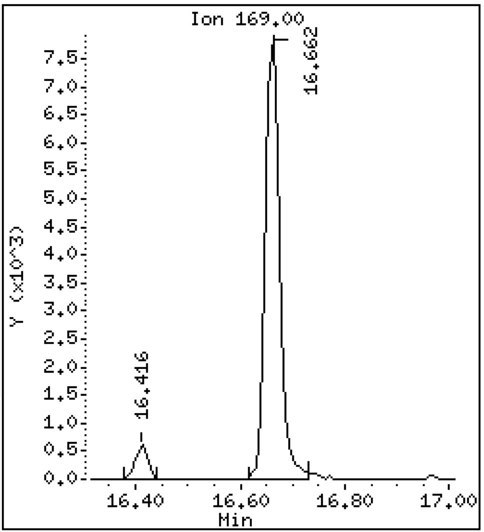
54 N-Nitrosodiphenylamine Concentration: 0.2422 ug/mL

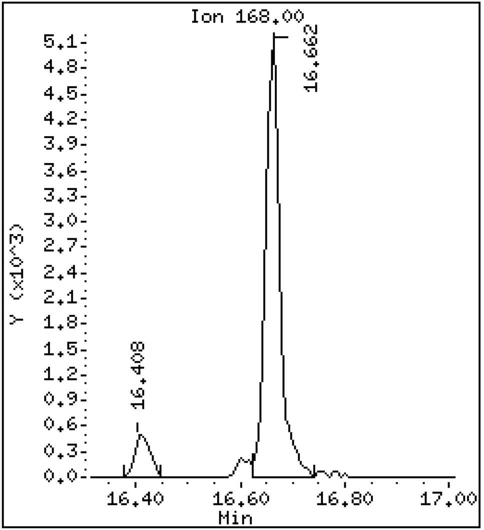

Scan 1537 (16.662 min) of NT1422123051.D

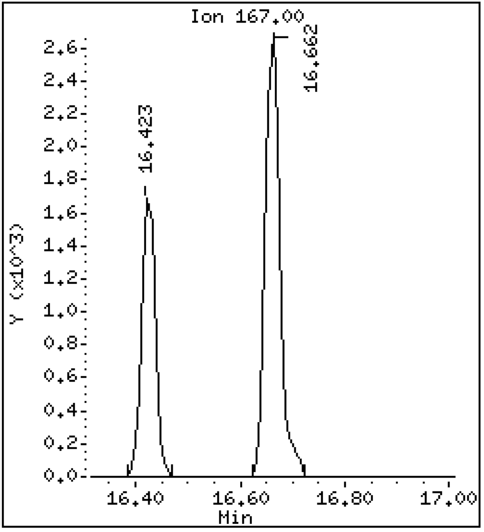

Scan 1537 (16.662 min) of NT1422123051.D (Subtracted)


54 N-Nitrosodiphenylamine (Reference Spectrum)


Scan 1537 (16.662 min) of NT1422123051.D (% DIFFERENCE)


Ion 169.00


Ion 168.00


Ion 167.00

Date : 31-DEC-2022 14:29

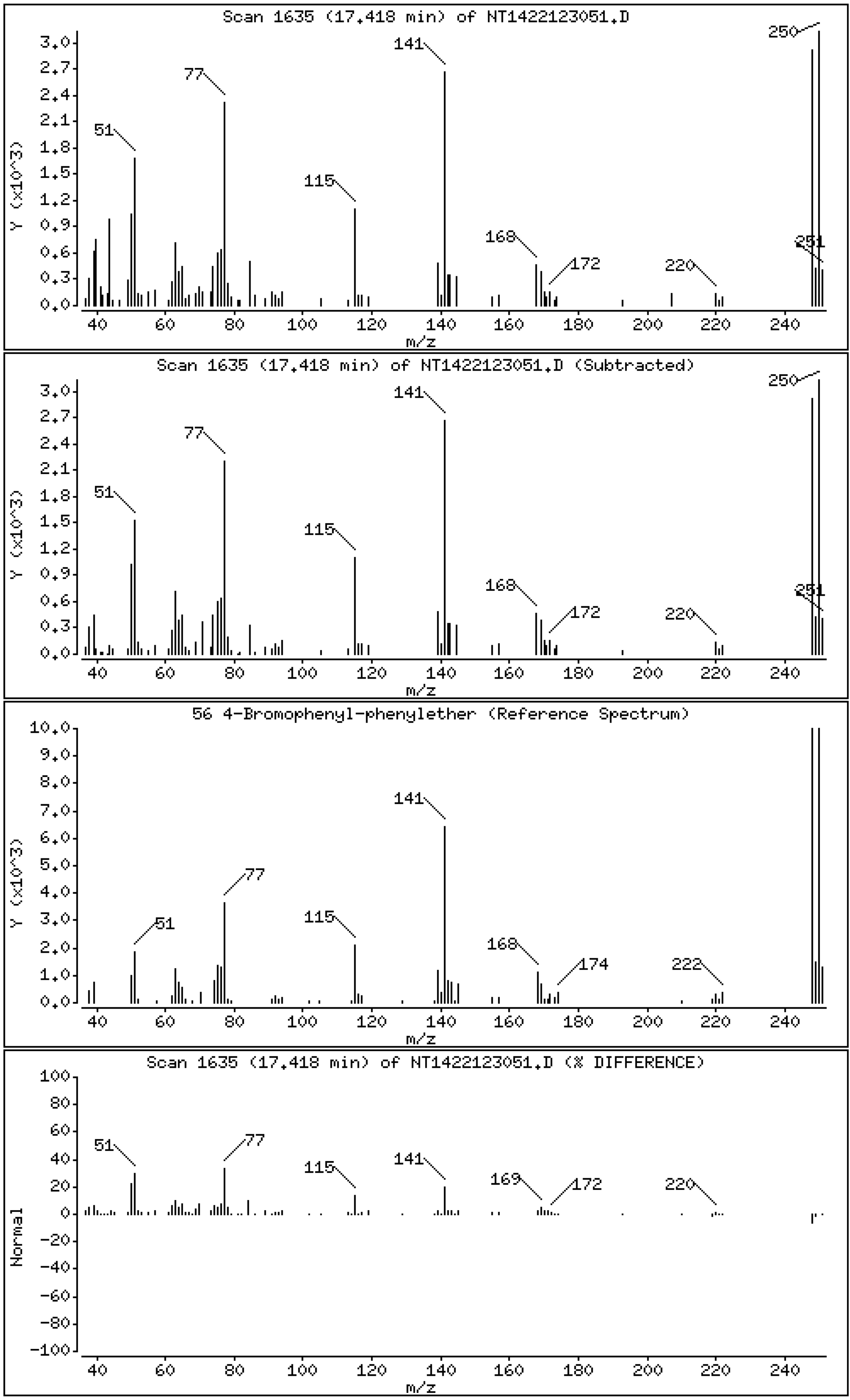
Client ID: Instrument: nt14.i

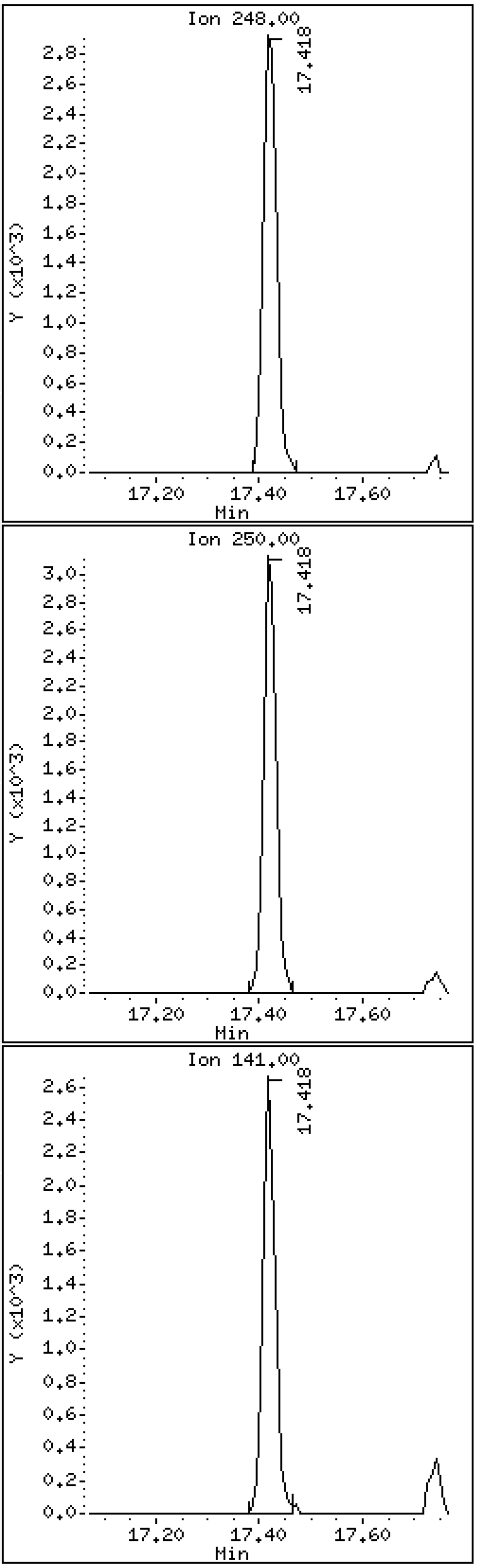
Sample Info: SKL0355-LCV1

Operator: VTS

Column phase: ZB-5msi Column diameter: 0.25

56 4-Bromophenyl-phenylether Concentration: 0.2274 ug/mL





Data File: \\target\share\chem3\nt14.i\20221230B.b\NT1422123051.D

Date : 31-DEC-2022 14:29

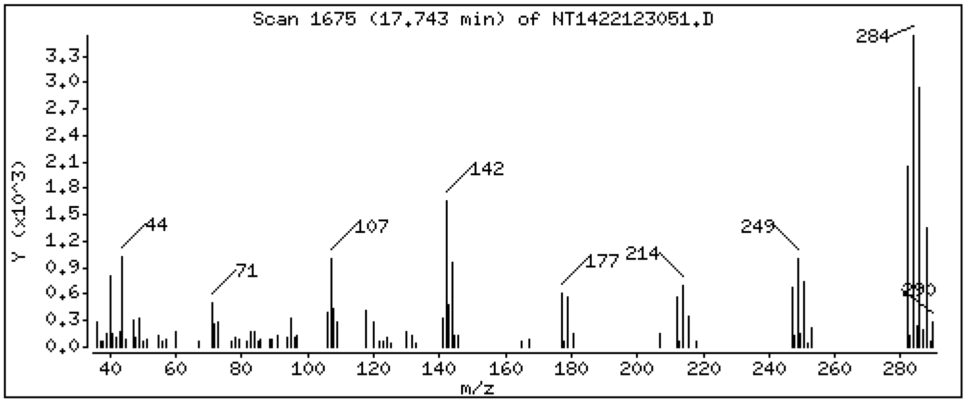
Client ID: Instrument: nt14.i

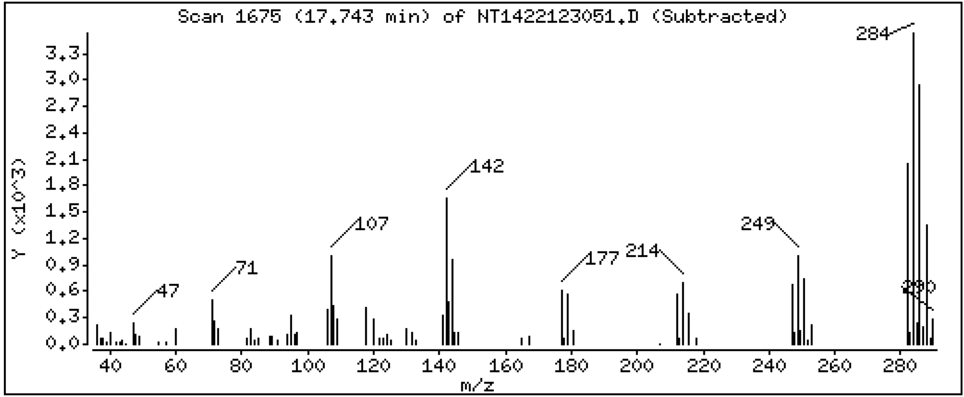
Sample Info: SKL0355-LCV1

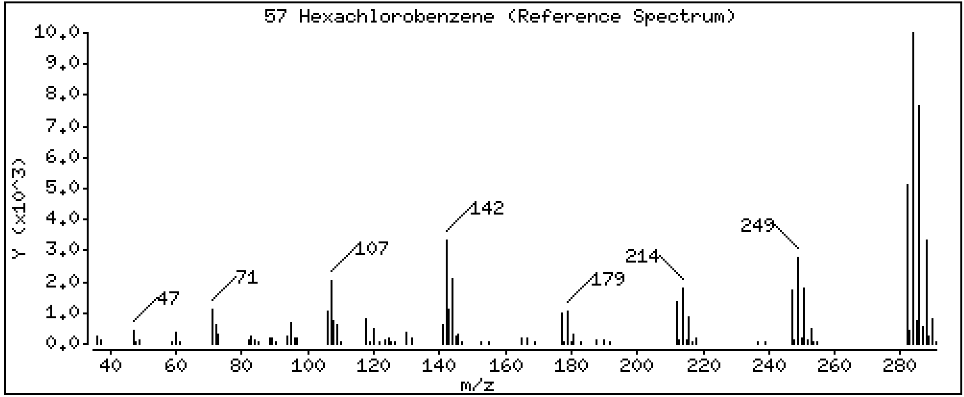
Operator: VTS

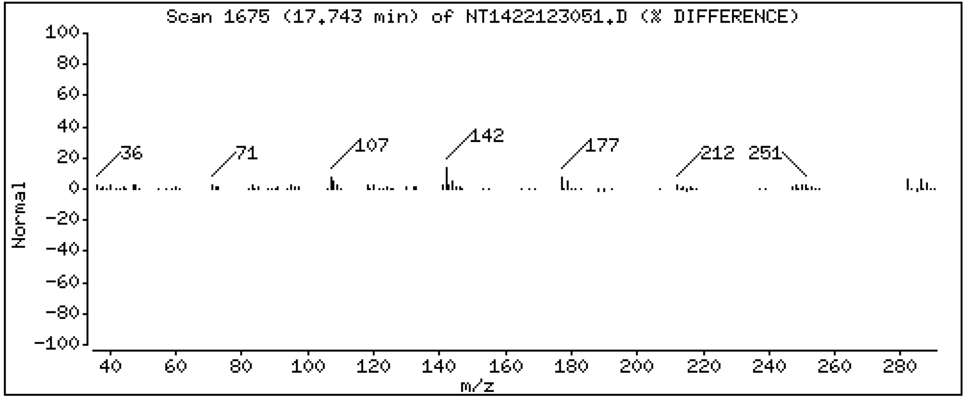
Column phase: ZB-5msi Column diameter: 0.25

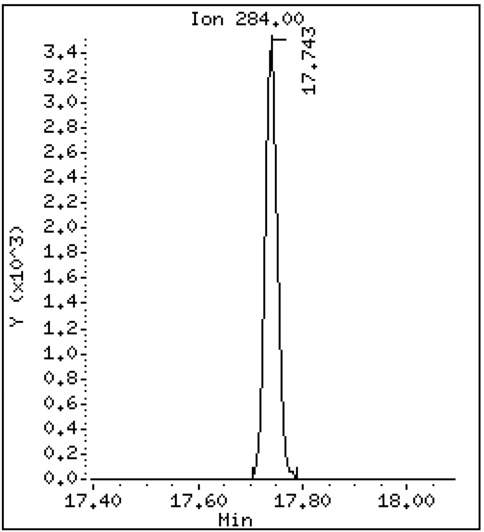
57 Hexachlorobenzene Concentration: 0.2291 ug/mL


Scan 1675 (17.743 min) of NT1422123051.D


Scan 1675 (17.743 min) of NT1422123051.D (Subtracted)


57 Hexachlorobenzene (Reference Spectrum)


Scan 1675 (17.743 min) of NT1422123051.D (% DIFFERENCE)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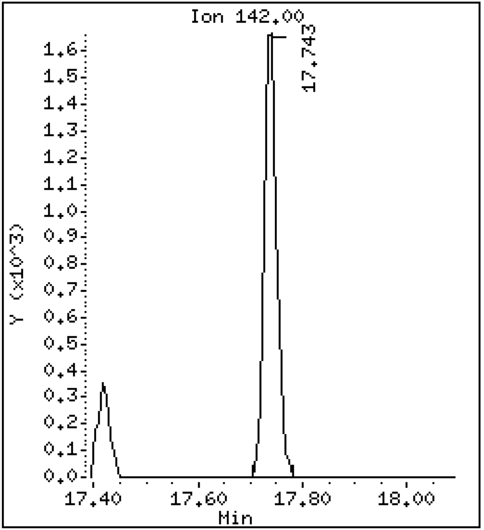
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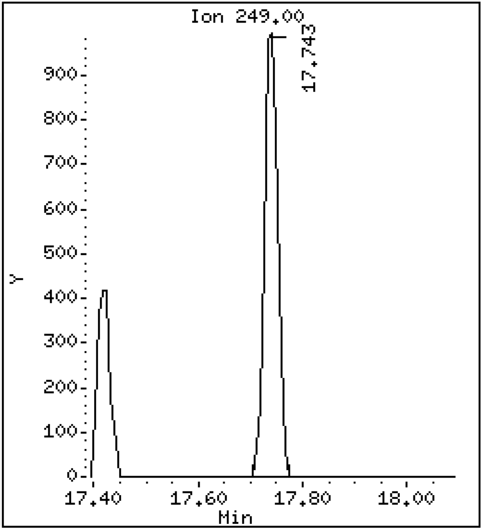

Ion 249.00

Data File: \\target\share\chem3\nt14.i\20221230B.b\NT1422123051.D

Date : 31-DEC-2022 14:29

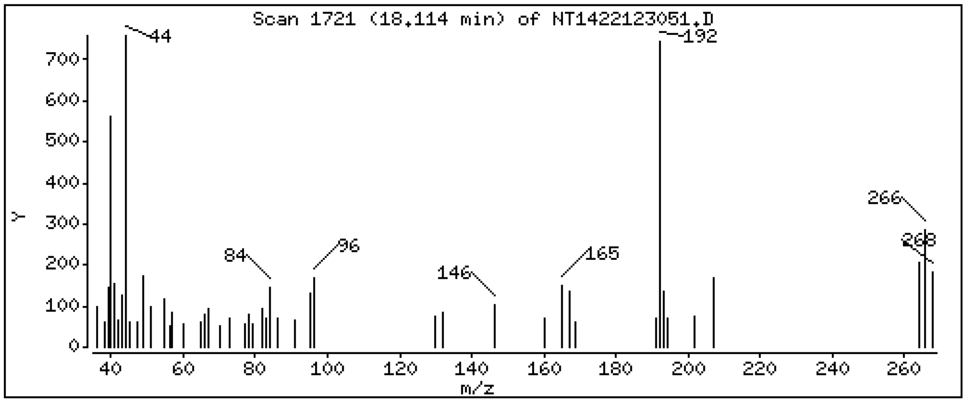
Client ID: Instrument: nt14.i

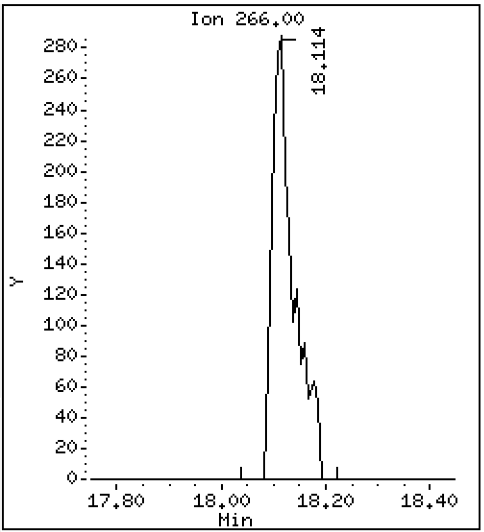
Sample Info: SKL0355-LCV1

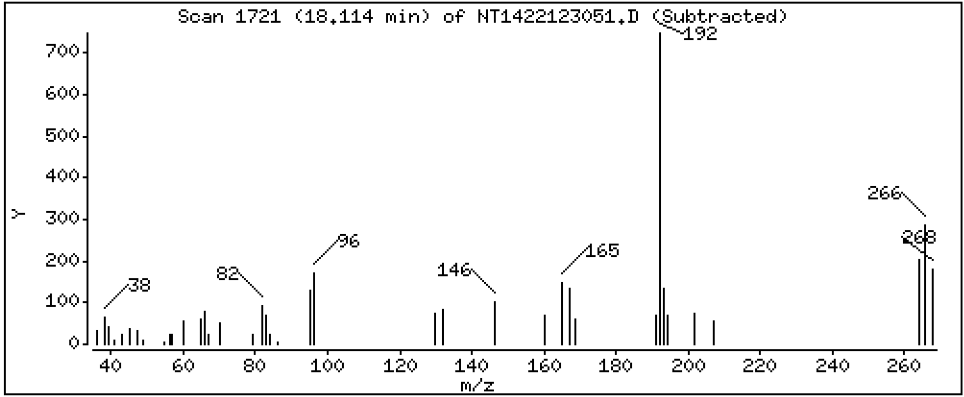
Operator: VTS

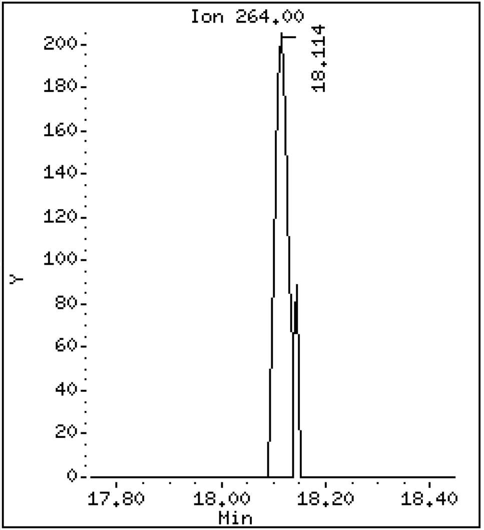
Column phase: ZB-5msi Column diameter: 0.25

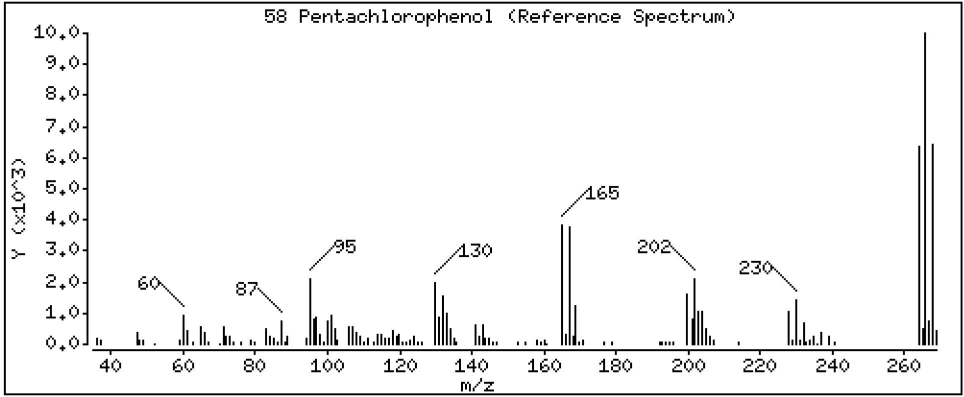
58 Pentachlorophenol Concentration: 0.07669 ug/mL

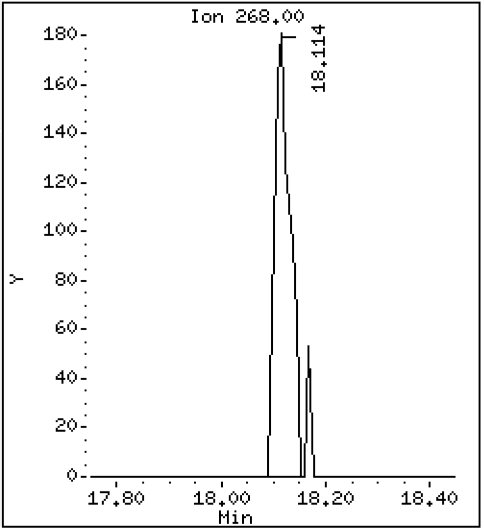


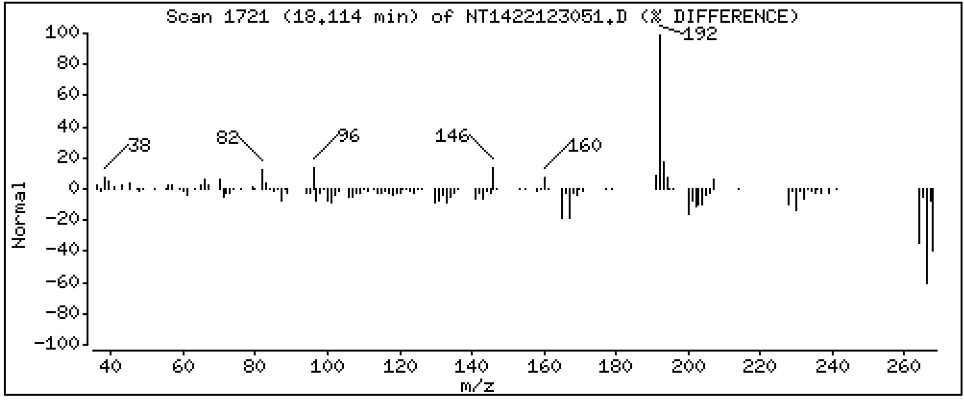












Data File: \\target\share\chem3\nt14.i\20221230B.b\NT1422123051.D

Date : 31-DEC-2022 14:29

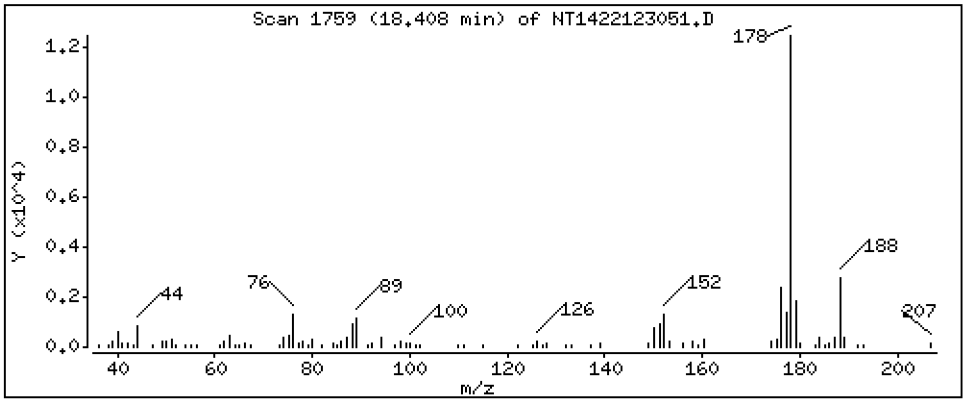
Client ID: Instrument: nt14.i

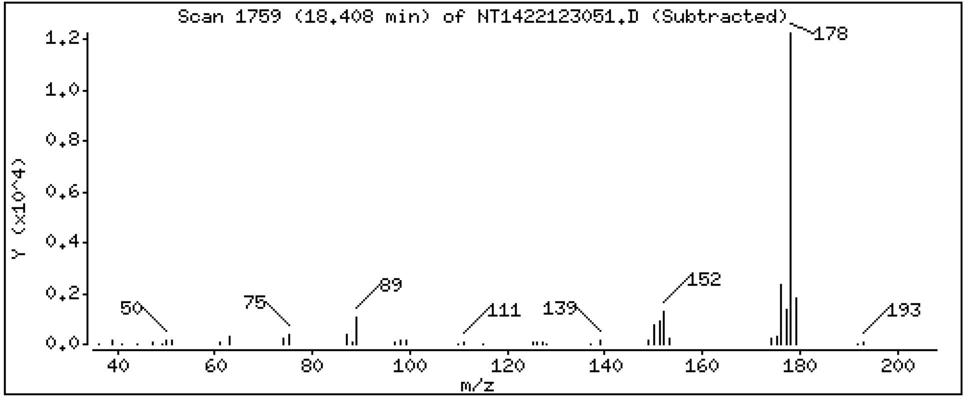
Sample Info: SKL0355-LCV1

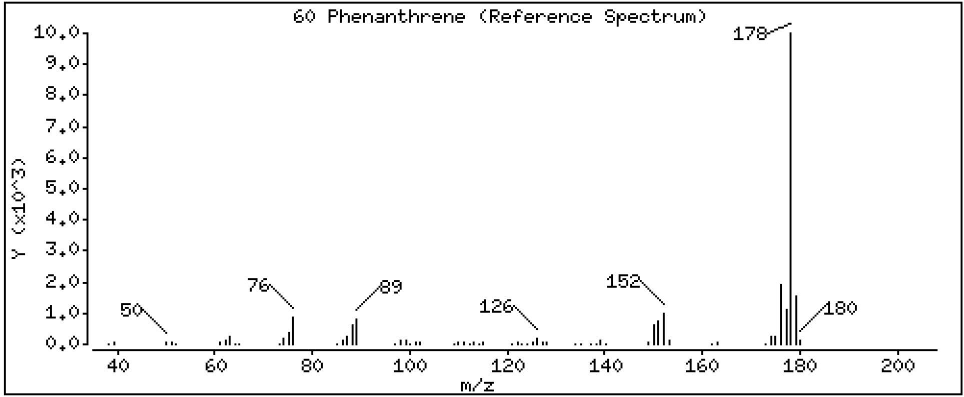
Operator: VTS

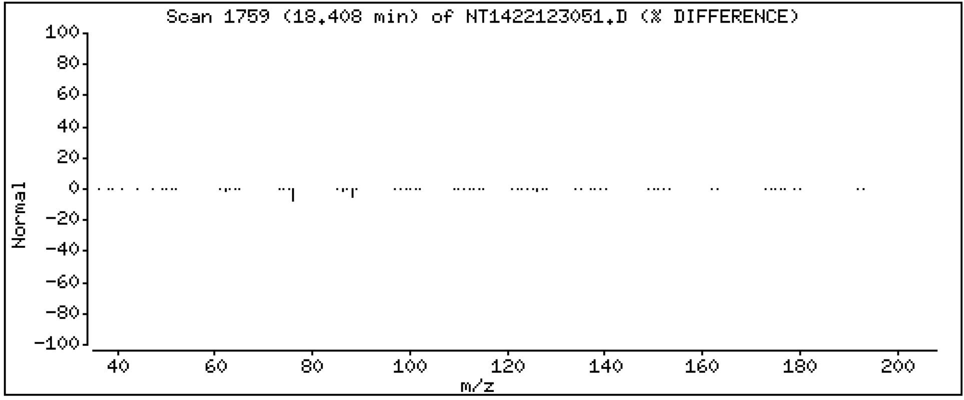
Column phase: ZB-5msi Column diameter: 0.25

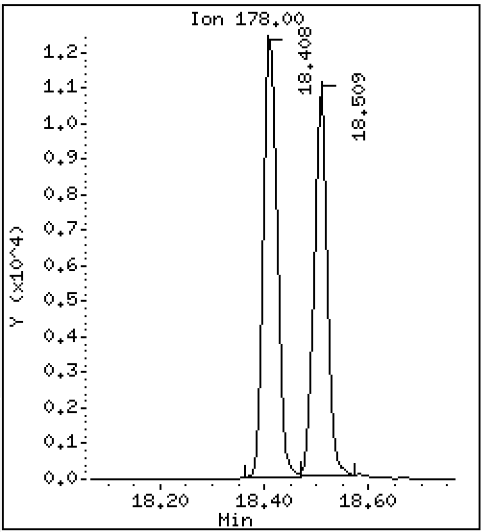
60 Phenanthrene Concentration: 0.2415 ug/mL

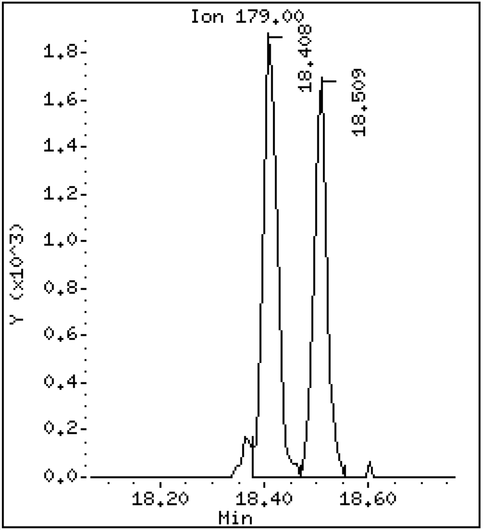

Scan 1759 (18.408 min) of NT1422123051.D

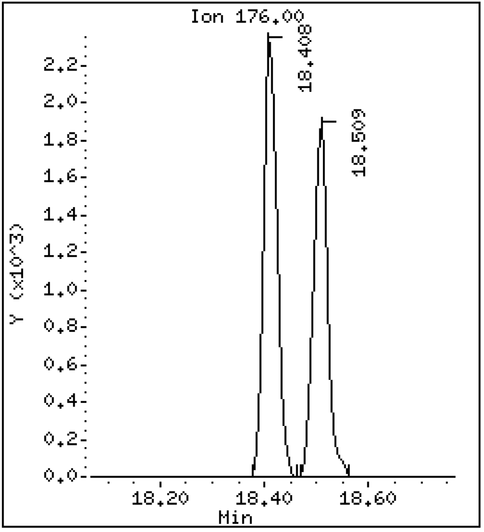

Scan 1759 (18.408 min) of NT1422123051.D (Subtracted)


60 Phenanthrene (Reference Spectrum)


Scan 1759 (18.408 min) of NT1422123051.D (% DIFFERENCE)


Ion 178.00


Ion 179.00


Ion 176.00

Data File: \\target\share\chem3\nt14.i\20221230B.b\NT1422123051.D

Date : 31-DEC-2022 14:29

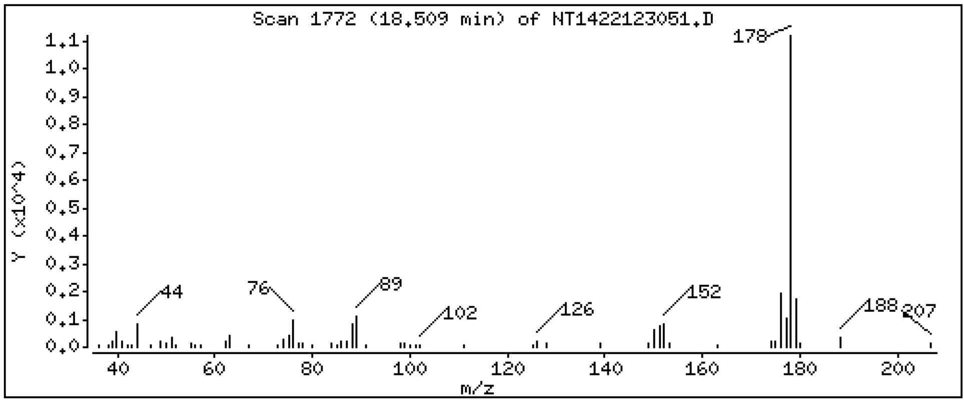
Client ID: Instrument: nt14.i

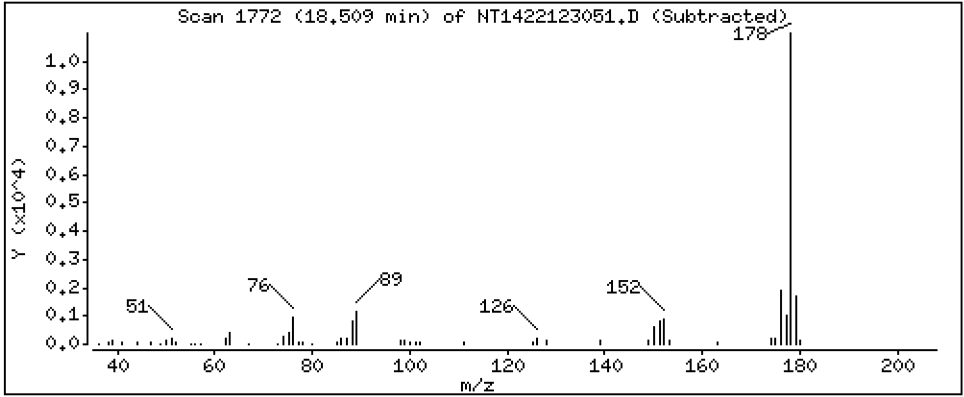
Sample Info: SKL0355-LCV1

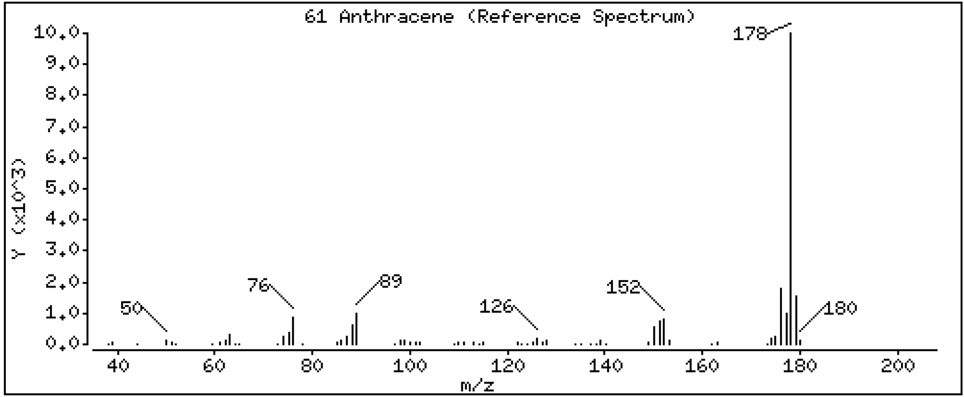
Operator: VTS

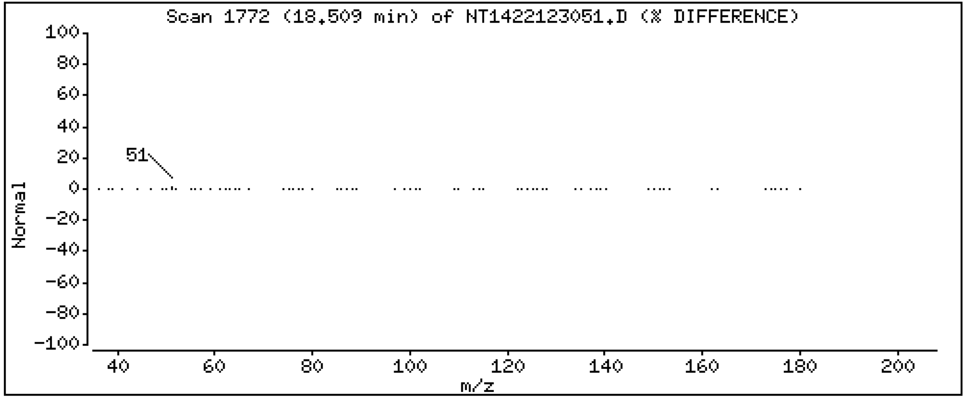
Column phase: ZB-5msi Column diameter: 0.25

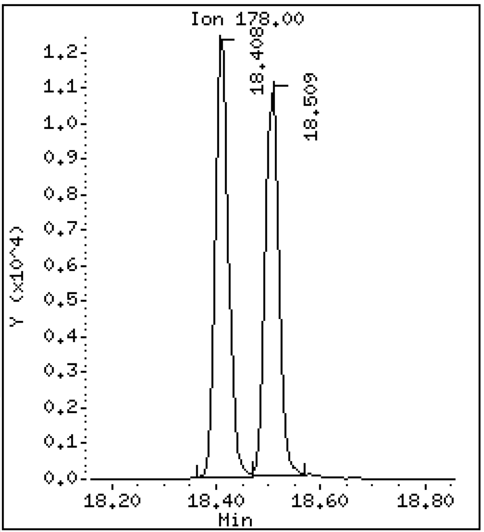
61 Anthracene Concentration: 0.2183 ug/mL

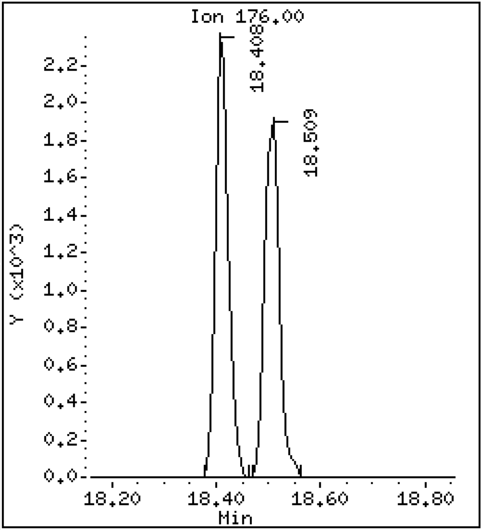


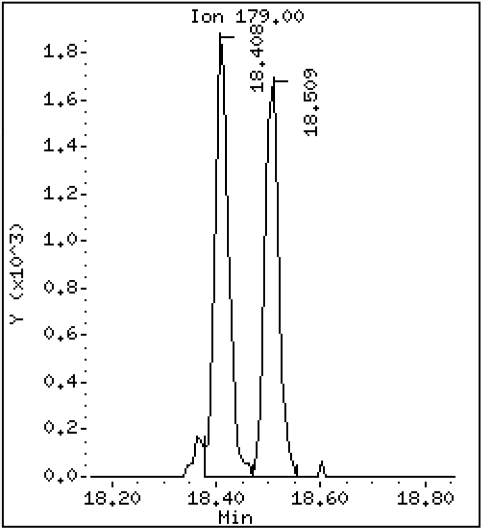












Data File: \\target\share\chem3\nt14.i\20221230B.b\NT1422123051.D

Date : 31-DEC-2022 14:29

Client ID:

Instrument: nt14.i

Sample Info: SKL0355-LCV1

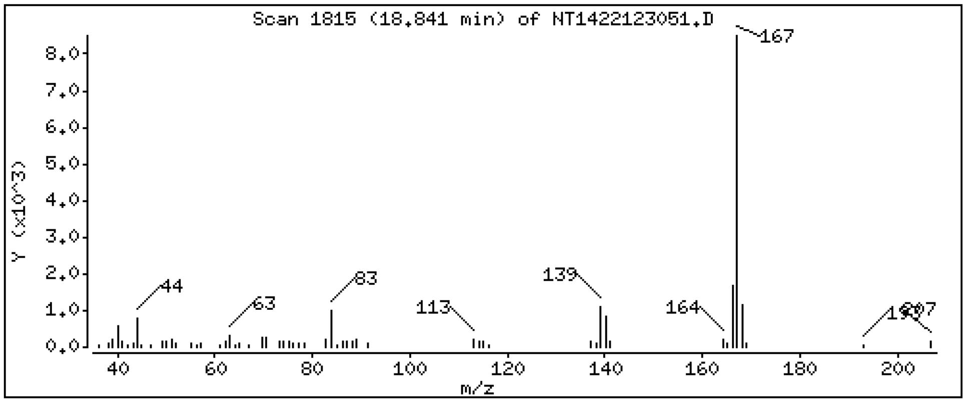
Operator: VTS

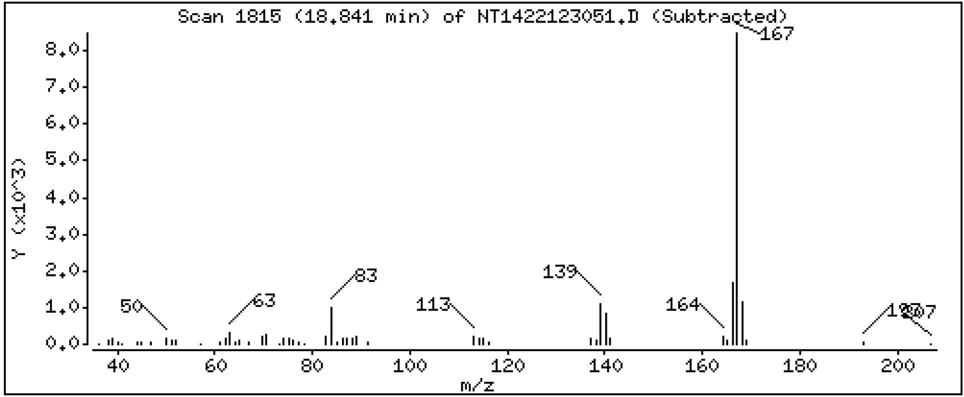
Column phase: ZB-5msi

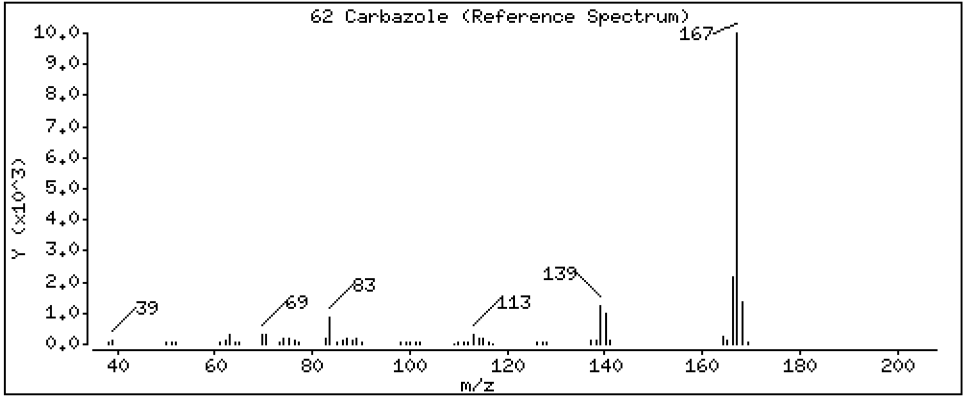
Column diameter: 0.25

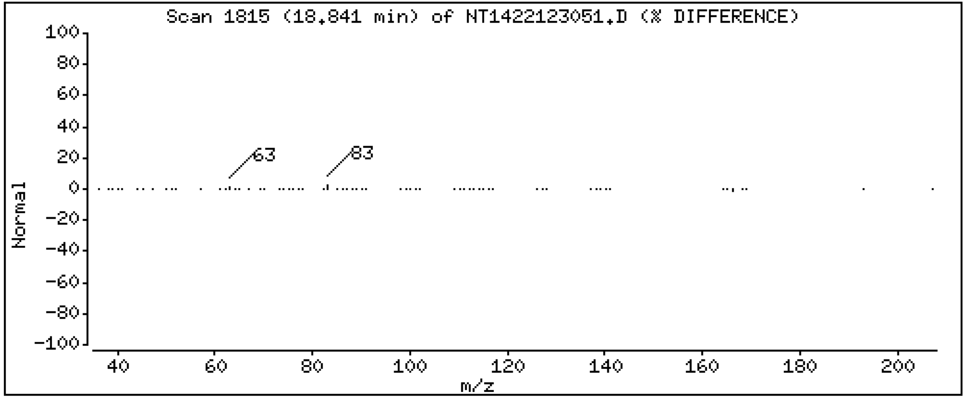
62 Carbazole

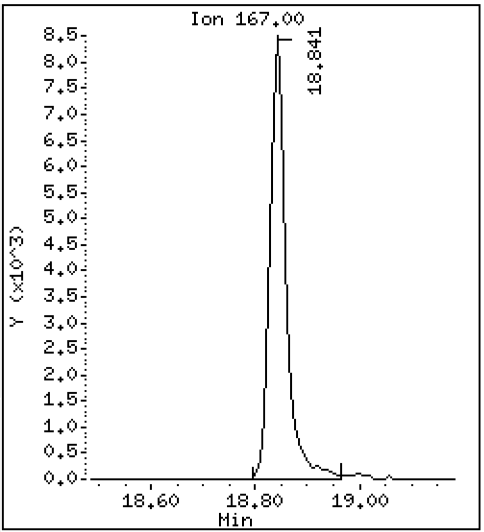
Concentration: 0.2174 ug/mL

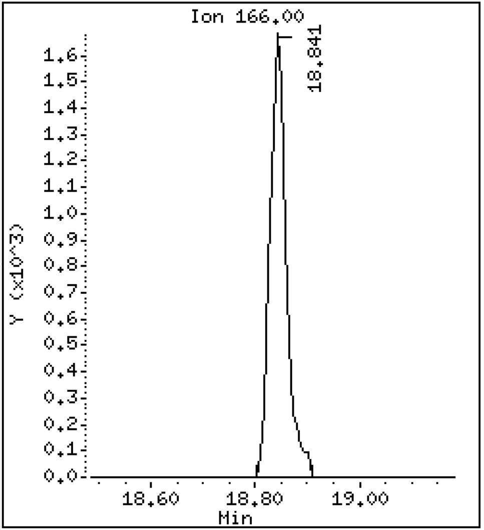

Scan 1815 (18.841 min) of NT1422123051.D

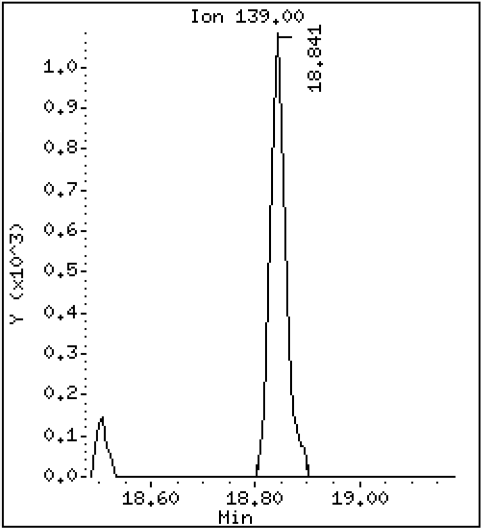

Scan 1815 (18.841 min) of NT1422123051.D (Subtracted)


62 Carbazole (Reference Spectrum)


Scan 1815 (18.841 min) of NT1422123051.D (% DIFFERENCE)


Ion 167.00


Ion 166.00


Ion 139.00

Data File: \\target\share\chem3\nt14.i\20221230B.b\NT1422123051.D

Date : 31-DEC-2022 14:29

Client ID:

Instrument: nt14.i

Sample Info: SKL0355-LCV1

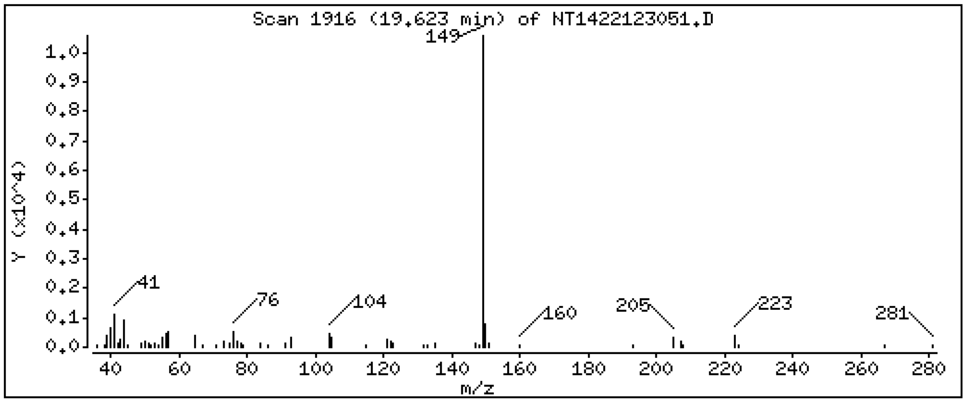
Operator: VTS

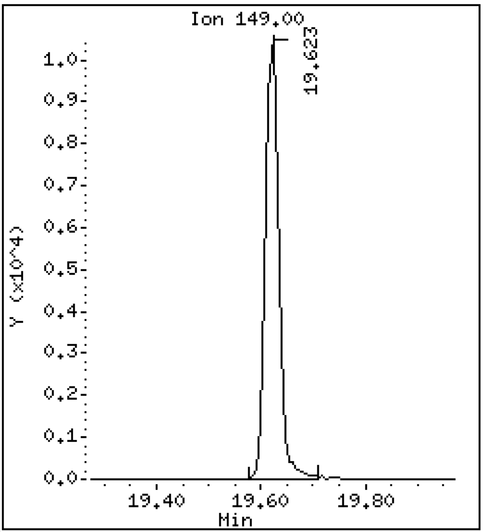
Column phase: ZB-5msi

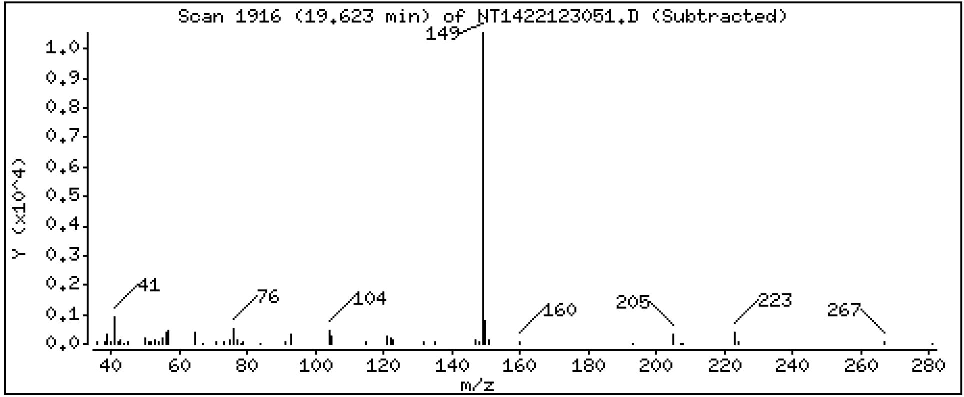
Column diameter: 0.25

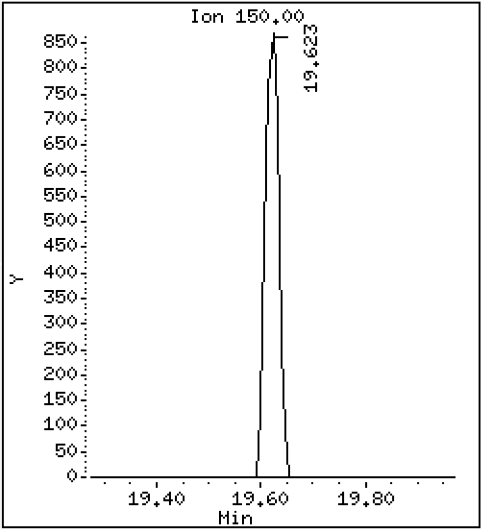
63 Di-n-butylphthalate

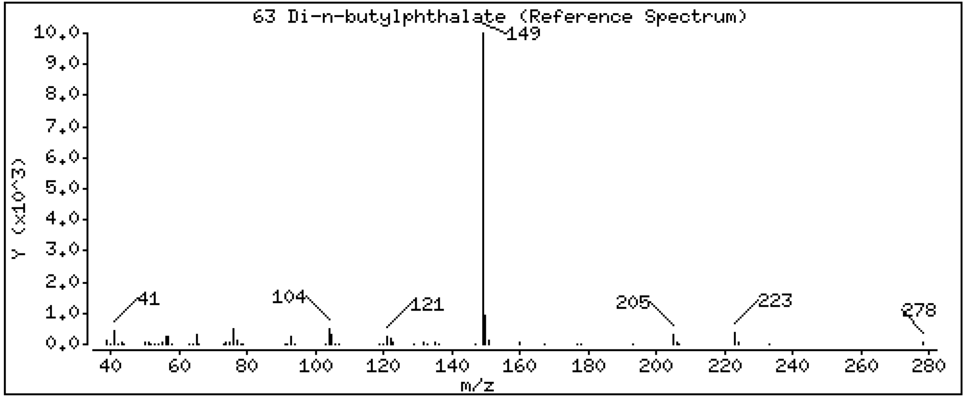
Concentration: 0.1906 ug/mL

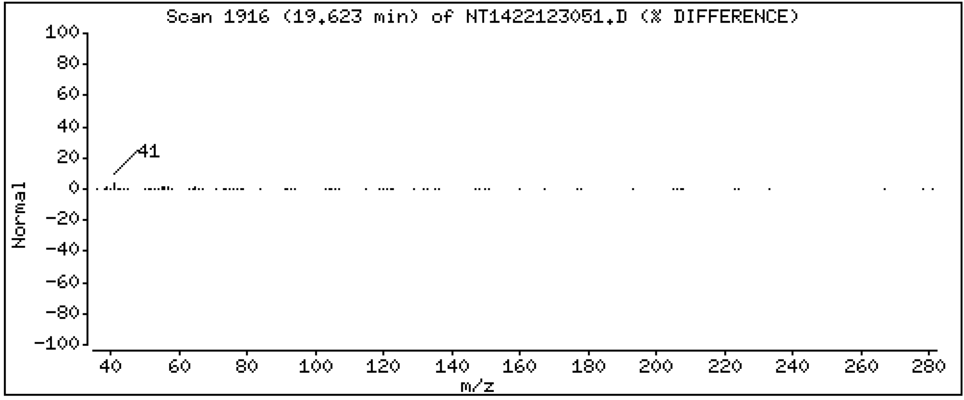

Scan 1916 (19.623 min) of NT1422123051.D

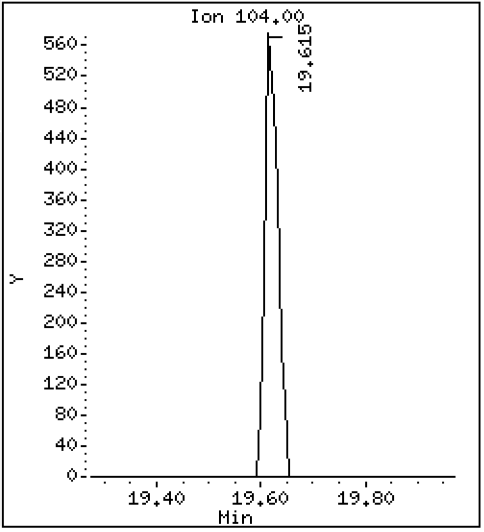

Ion 149.00


Scan 1916 (19.623 min) of NT1422123051.D (Subtracted)


Ion 150.00


63 Di-n-butylphthalate (Reference Spectrum)


Scan 1916 (19.623 min) of NT1422123051.D (% DIFFERENCE)


Ion 104.00

Data File: \\target\share\chem3\nt14.i\20221230B.b\NT1422123051.D

Date : 31-DEC-2022 14:29

Client ID:

Instrument: nt14.i

Sample Info: SKL0355-LCV1

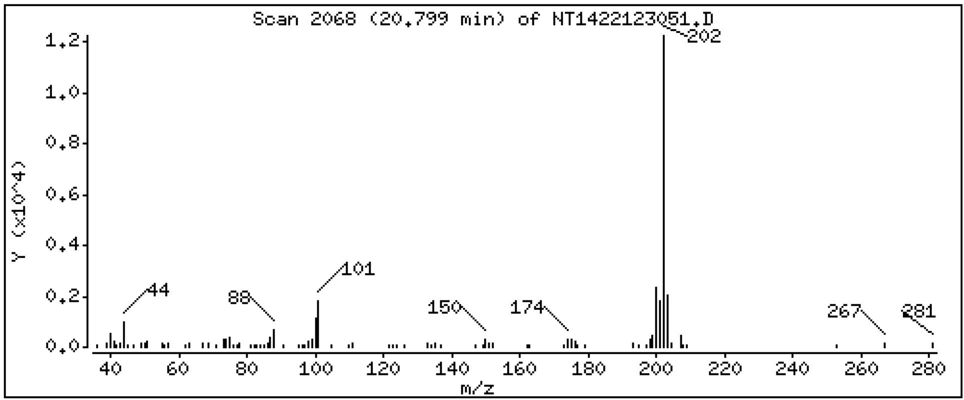
Operator: VTS

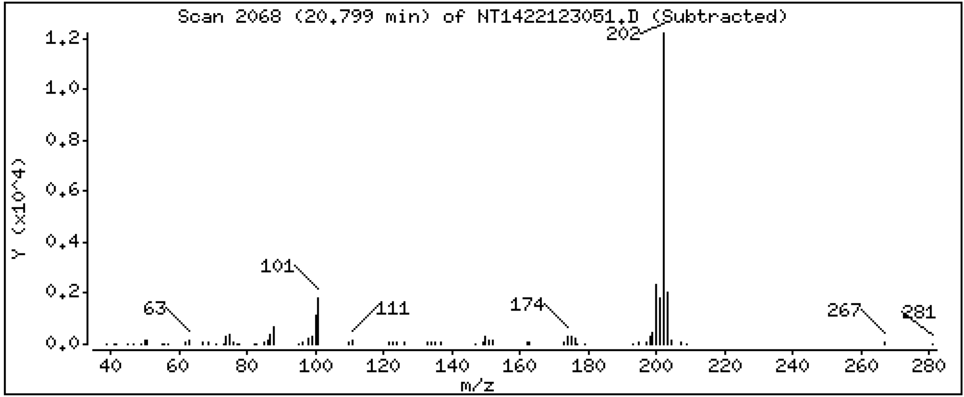
Column phase: ZB-5msi

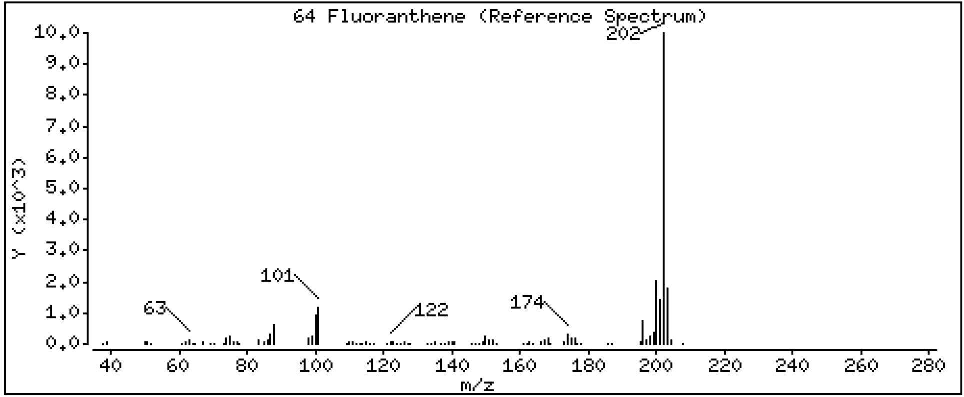
Column diameter: 0.25

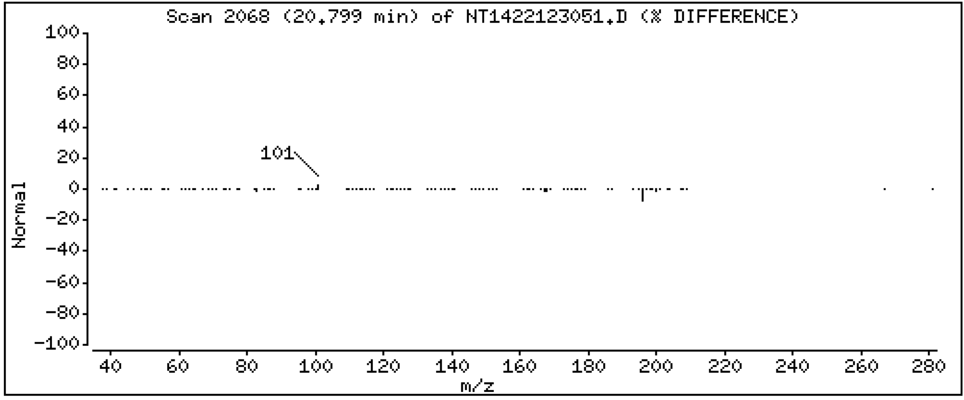
64 Fluoranthene

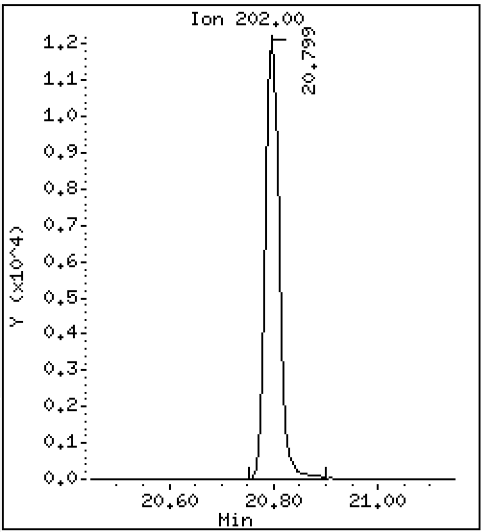
Concentration: 0.2308 ug/mL

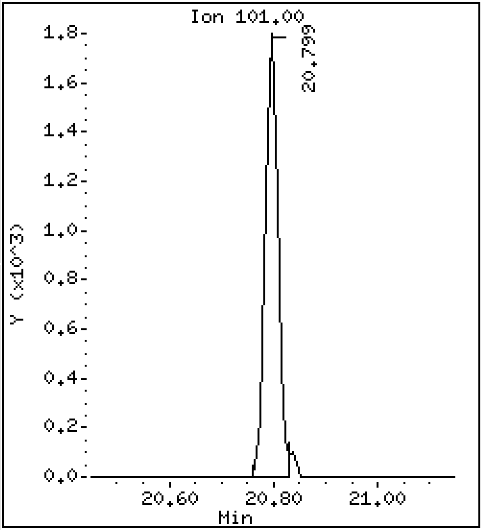

Scan 2068 (20.799 min) of NT1422123051.D

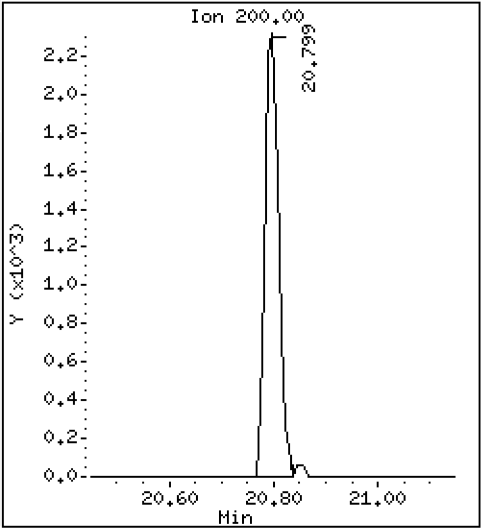

Scan 2068 (20.799 min) of NT1422123051.D (Subtracted)


64 Fluoranthene (Reference Spectrum)


Scan 2068 (20.799 min) of NT1422123051.D (% DIFFERENCE)


Ion 202.00


Ion 101.00


Ion 200.00

Data File: \\target\share\chem3\nt14.i\20221230B.b\NT1422123051.D

Date : 31-DEC-2022 14:29

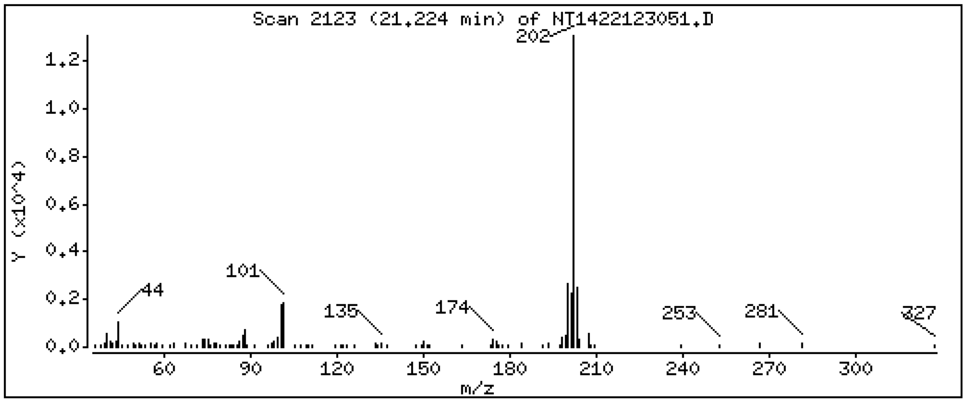
Client ID: Instrument: nt14.i

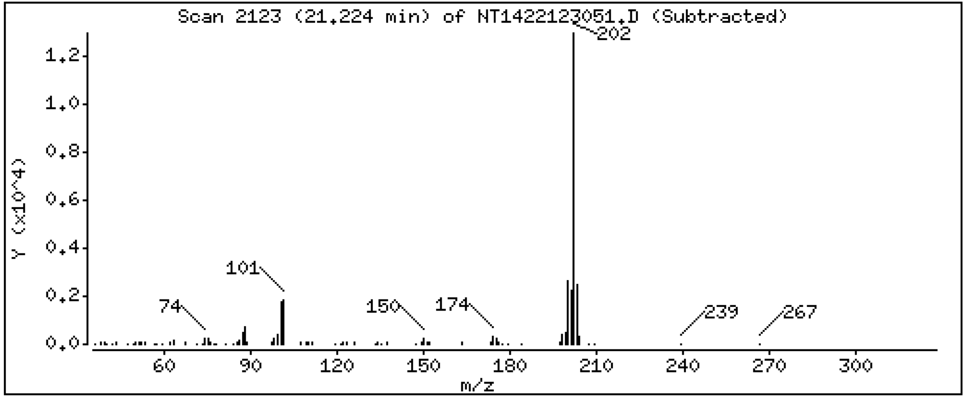
Sample Info: SKL0355-LCV1

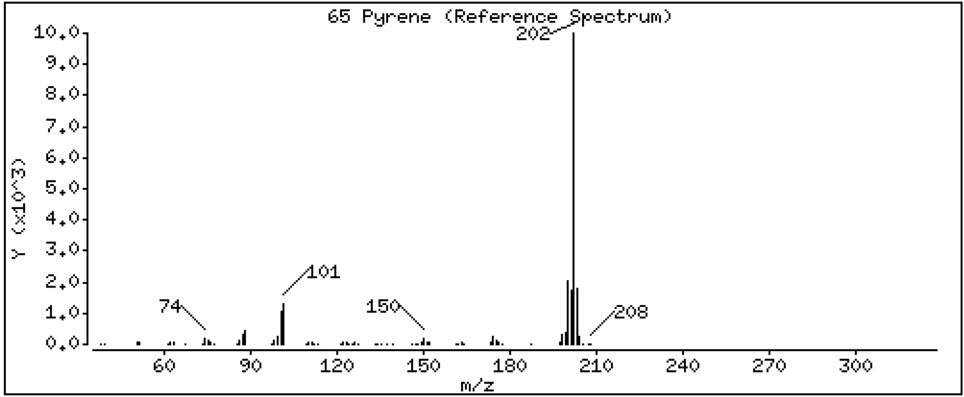
Operator: VTS

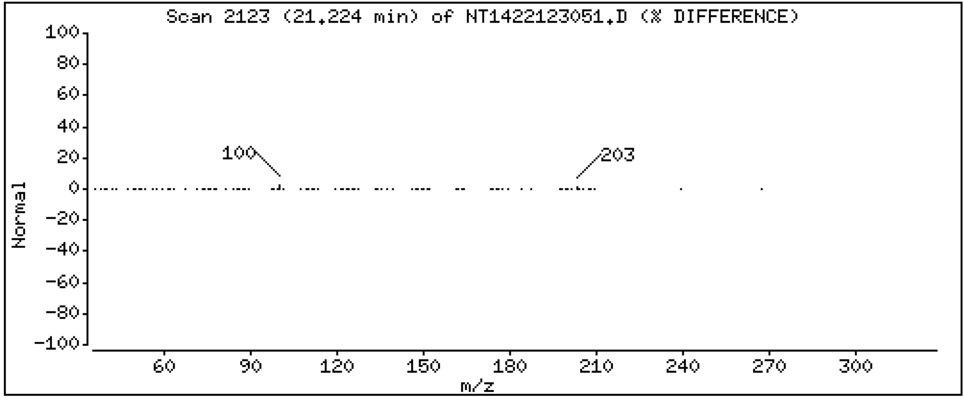
Column phase: ZB-5msi Column diameter: 0.25

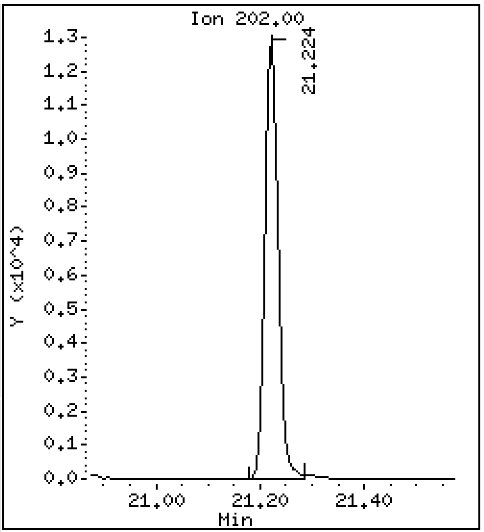
65 Pyrene Concentration: 0.2212 ug/mL

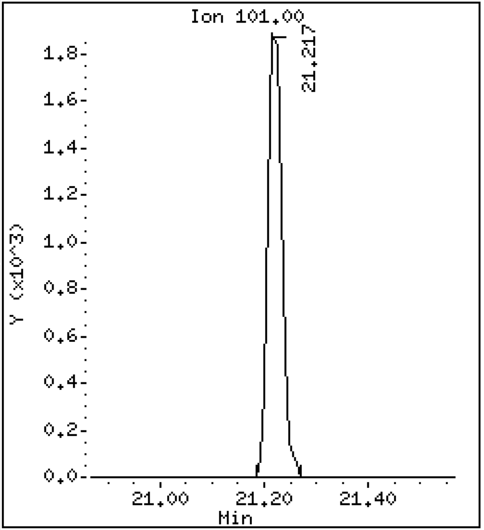


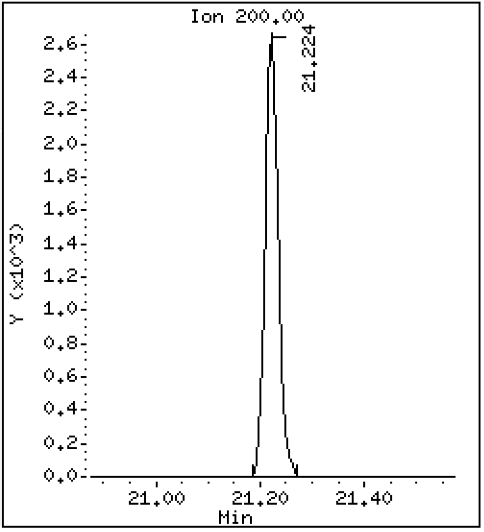












Data File: \\target\share\chem3\nt14.i\20221230B.b\NT1422123051.D

Date : 31-DEC-2022 14:29

Client ID:

Instrument: nt14.i

Sample Info: SKL0355-LCV1

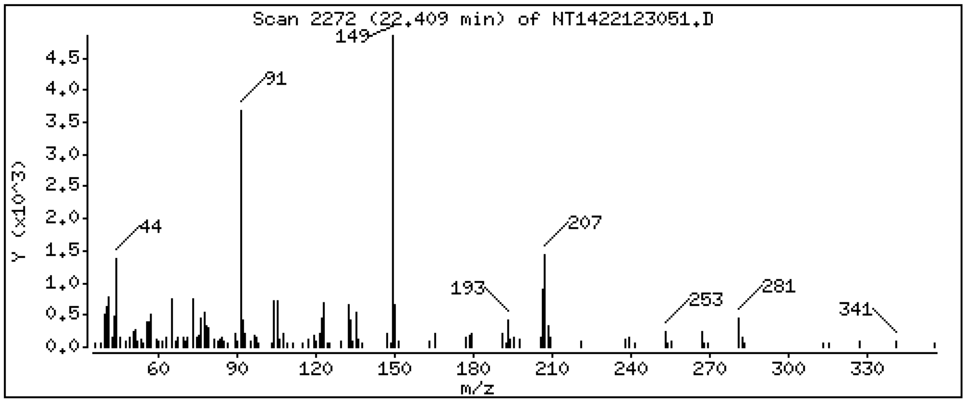
Operator: VTS

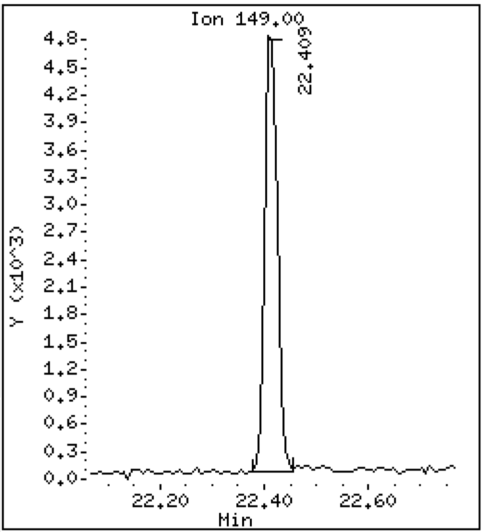
Column phase: ZB-5msi

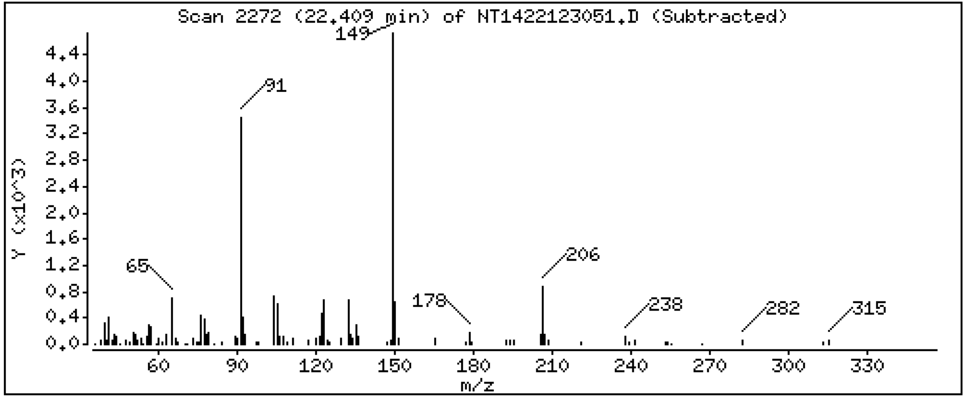
Column diameter: 0.25

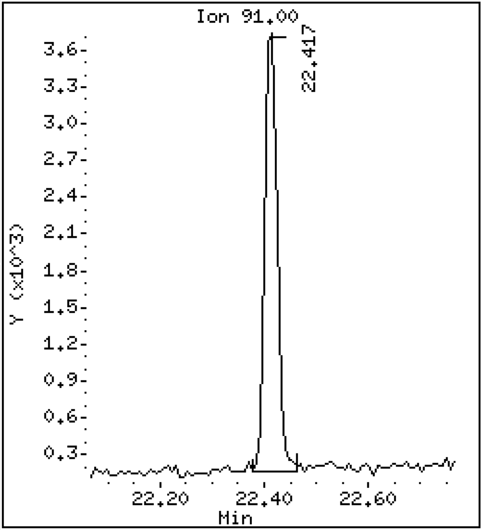
67 Butylbenzylphthalate

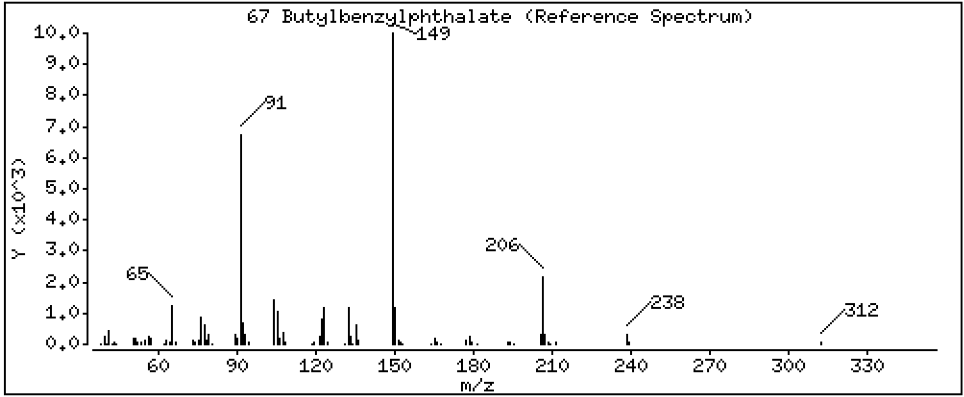
Concentration: 0.2080 ug/mL

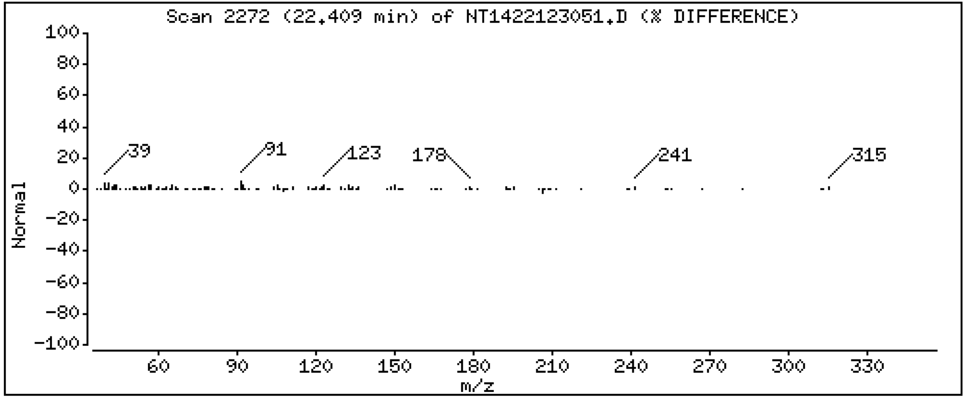


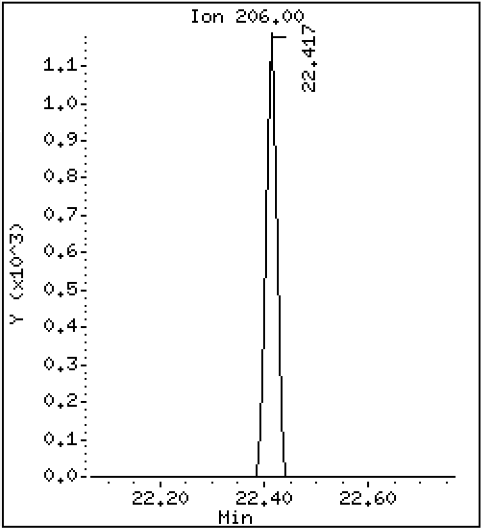












Data File: \\target\share\chem3\nt14.i\20221230B.b\NT1422123051.D

Date : 31-DEC-2022 14:29

Client ID:

Instrument: nt14.i

Sample Info: SKL0355-LCV1

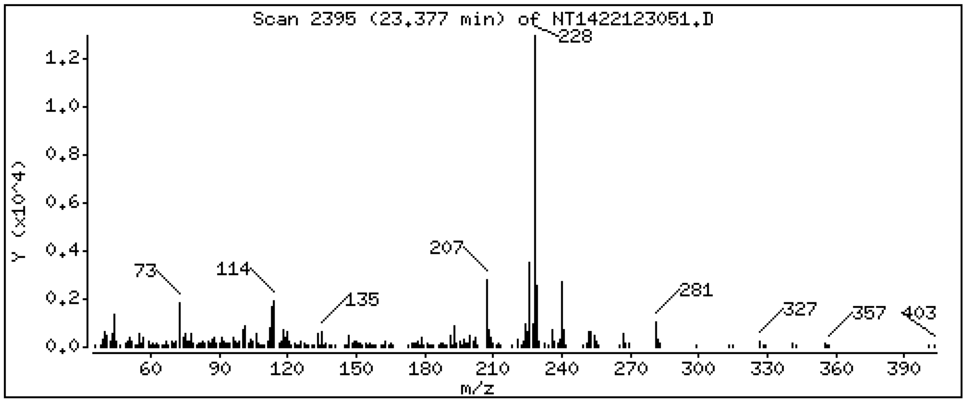
Operator: VTS

Column phase: ZB-5msi

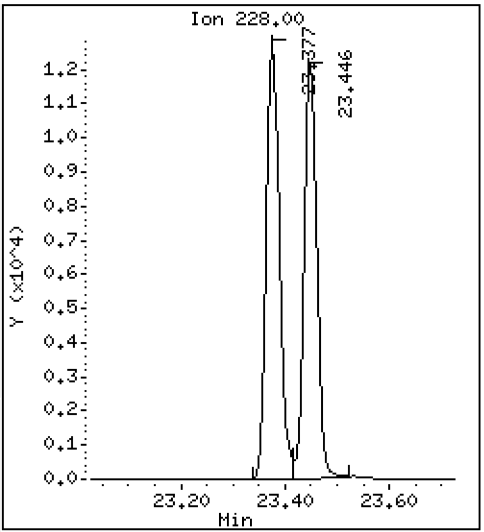
Column diameter: 0.25

68 Benzo(a)anthracene

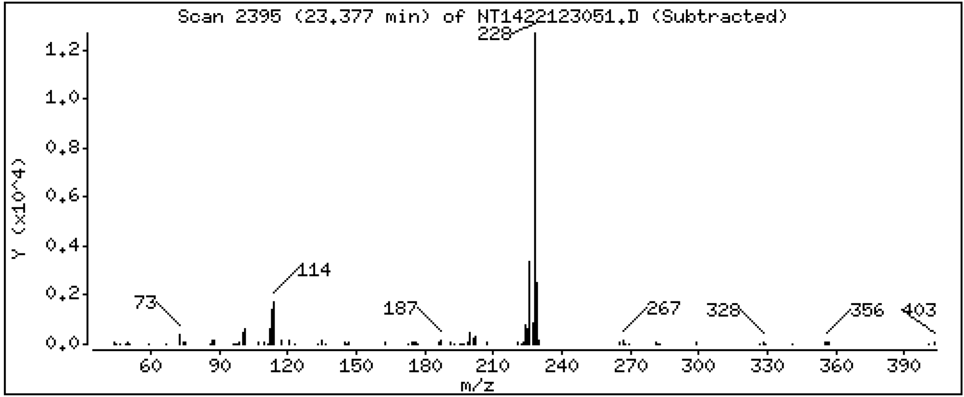
Concentration: 0.2415 ug/mL



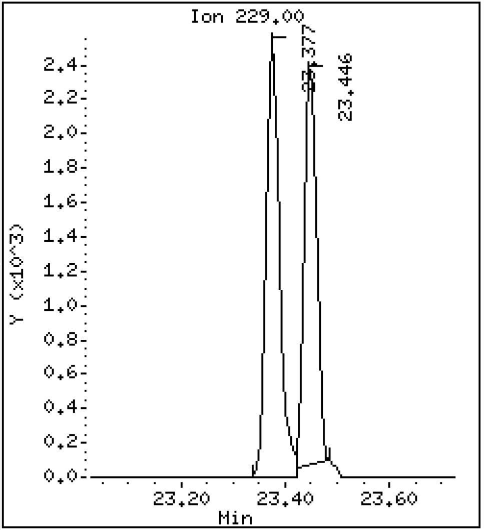
Scan 2395 (23.377 min) of NT1422123051.D



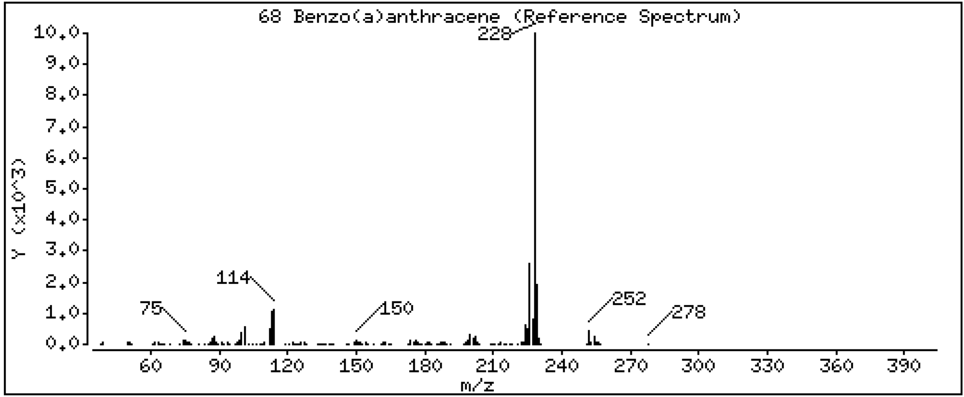
Ion 228.00



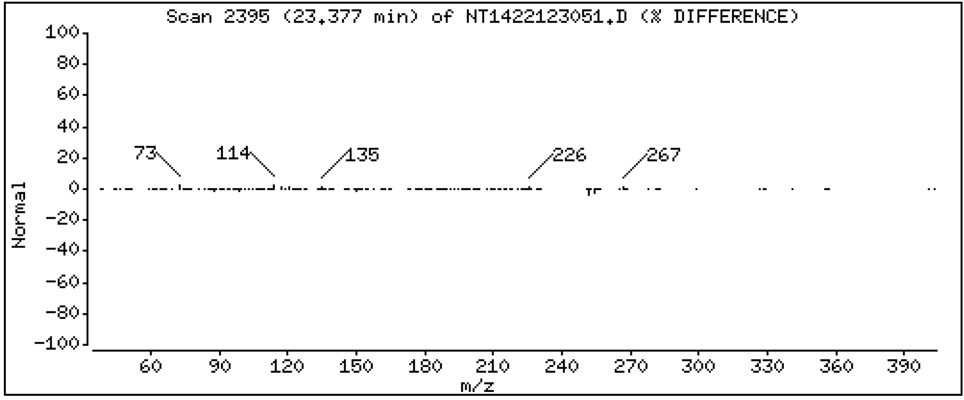
Scan 2395 (23.377 min) of NT1422123051.D (Subtracted)



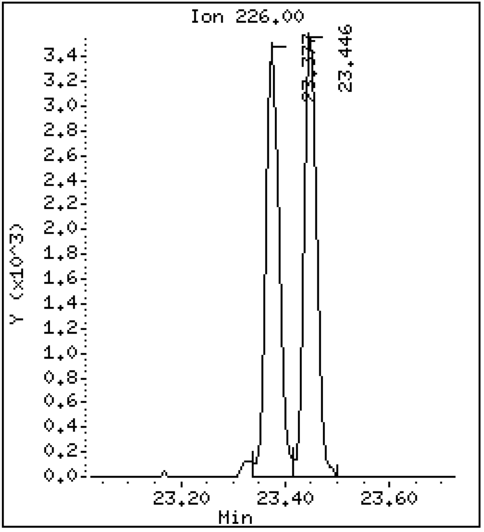
Ion 229.00



68 Benzo(a)anthracene (Reference Spectrum)



Scan 2395 (23.377 min) of NT1422123051.D (% DIFFERENCE)



Ion 226.00

Date : 31-DEC-2022 14:29

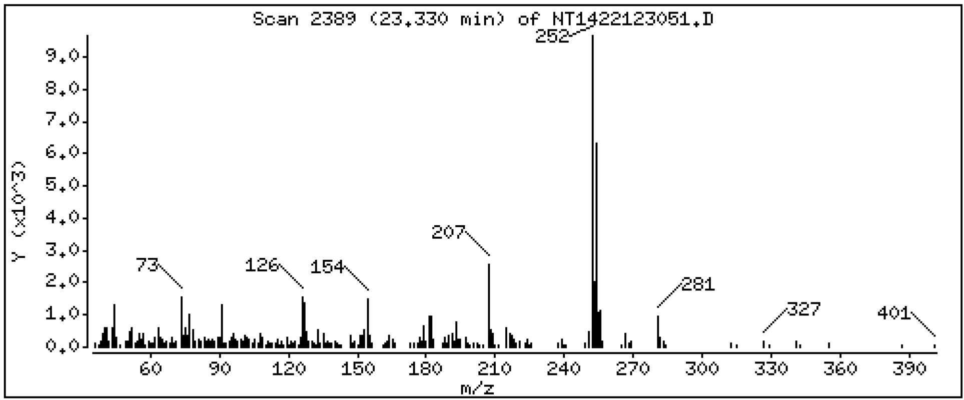
Client ID: Instrument: nt14.i

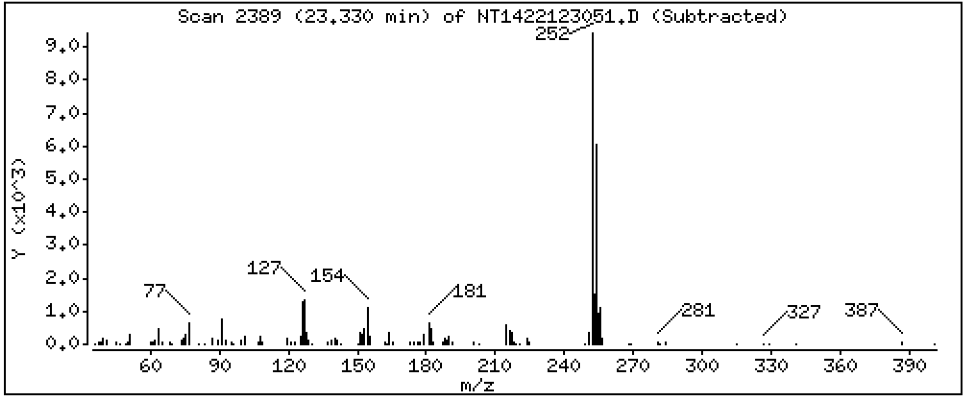
Sample Info: SKL0355-LCV1

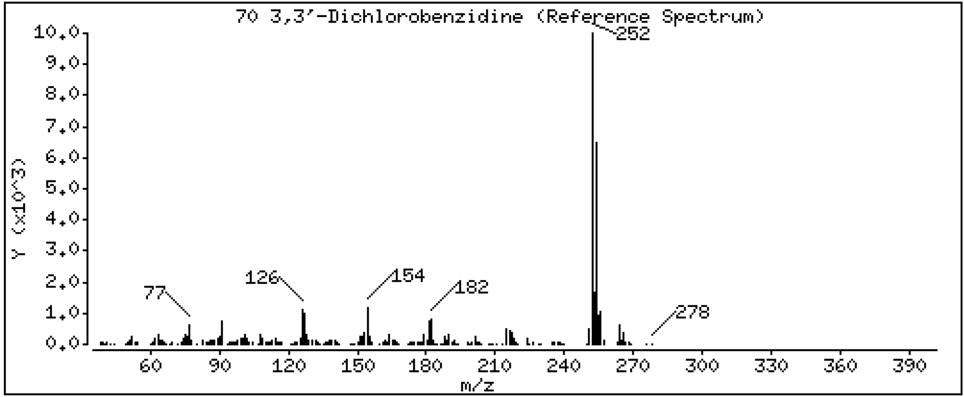
Operator: VTS

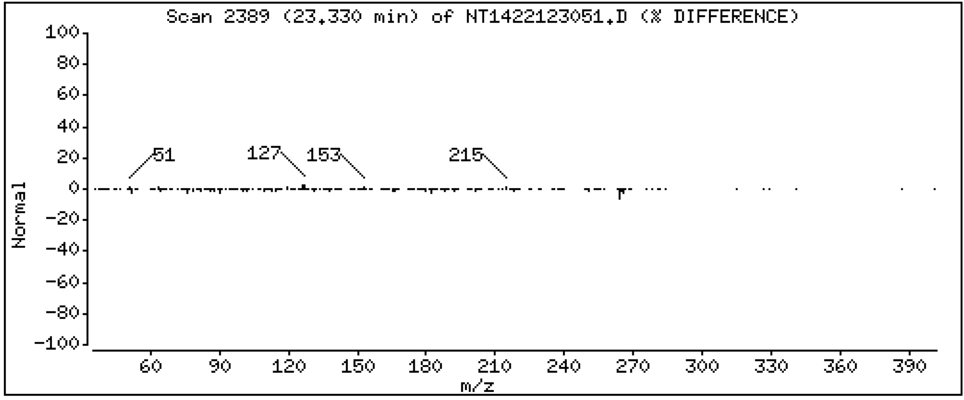
Column phase: ZB-5msi Column diameter: 0.25

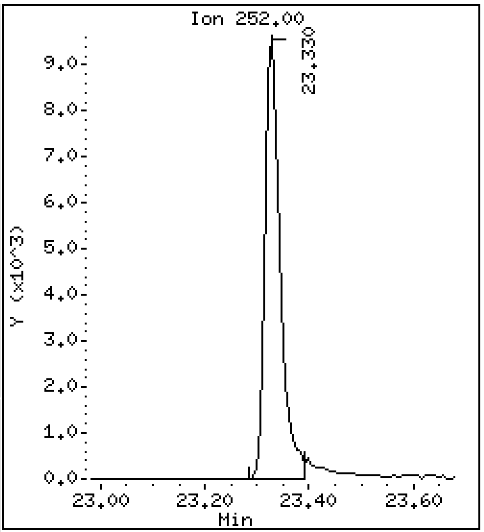
70 3,3'-Dichlorobenzidine Concentration: 0.6962 ug/mL

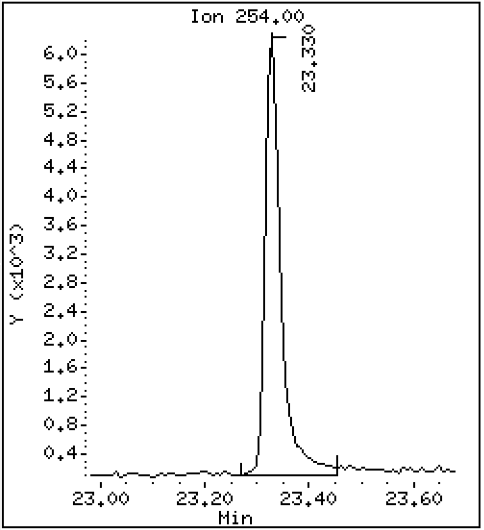

Scan 2389 (23.330 min) of NT1422123051.D

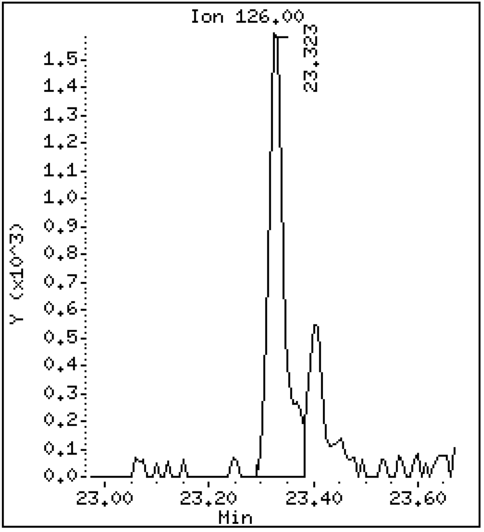

Scan 2389 (23.330 min) of NT1422123051.D (Subtracted)


70 3,3'-Dichlorobenzidine (Reference Spectrum)


Scan 2389 (23.330 min) of NT1422123051.D (% DIFFERENCE)


Ion 252.00


Ion 254.00


Ion 126.00

Data File: \\target\share\chem3\nt14.i\20221230B.b\NT1422123051.D

Date : 31-DEC-2022 14:29

Client ID:

Instrument: nt14.i

Sample Info: SKL0355-LCV1

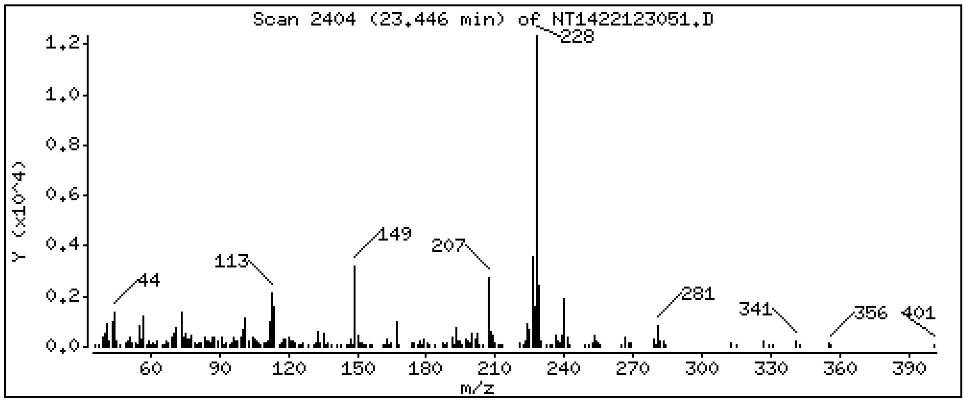
Operator: VTS

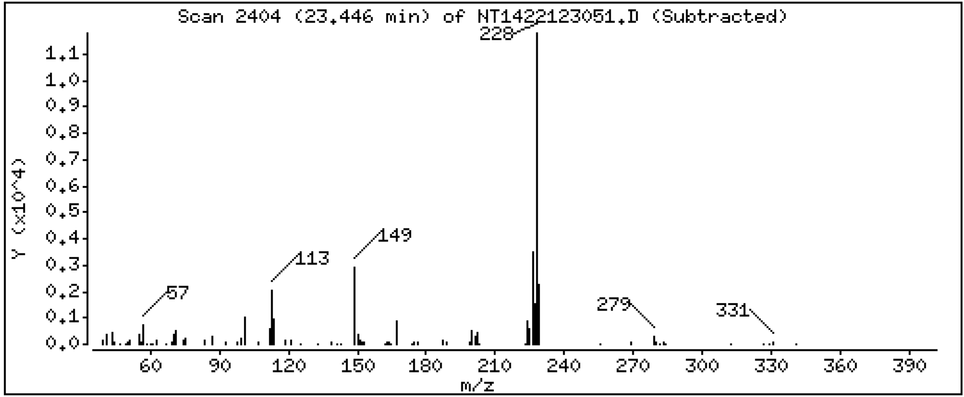
Column phase: ZB-5msi

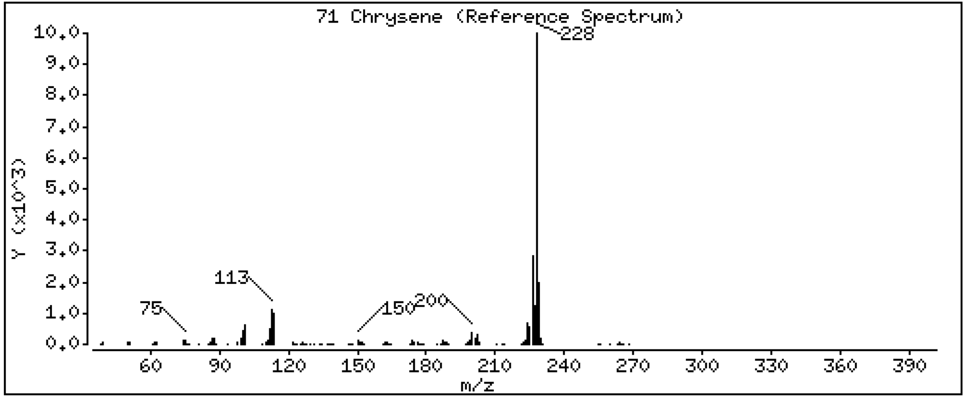
Column diameter: 0.25

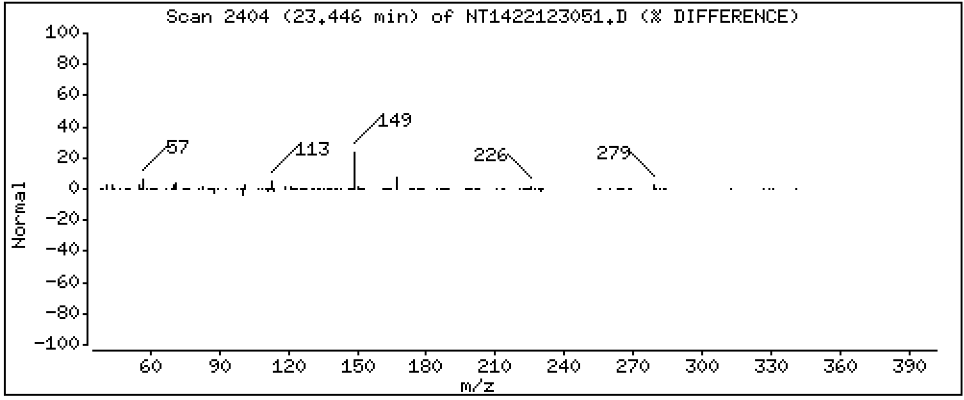
71 Chrysene

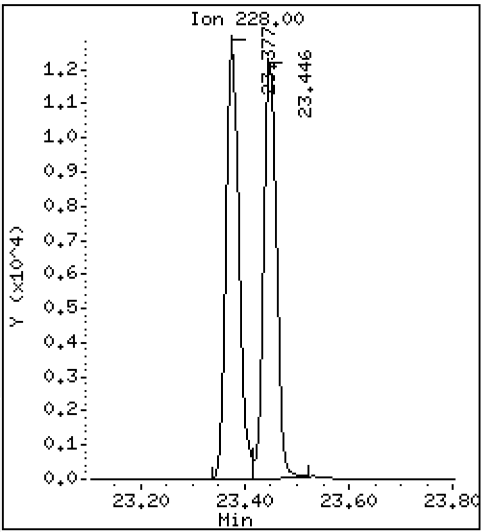
Concentration: 0.2414 ug/mL

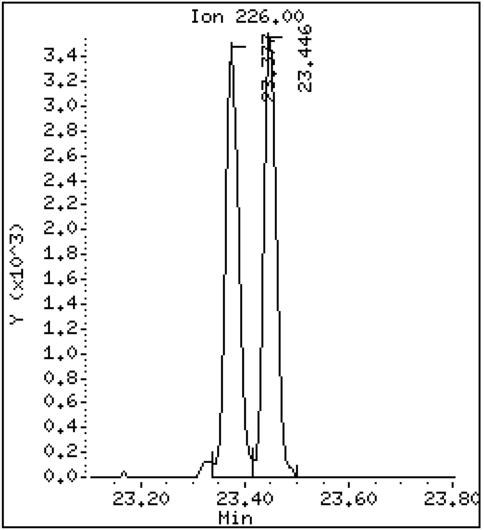


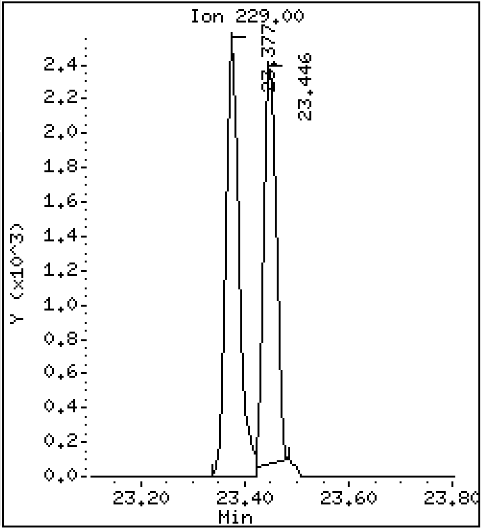












Data File: \\target\share\chem3\nt14.i\20221230B.b\NT1422123051.D

Date : 31-DEC-2022 14:29

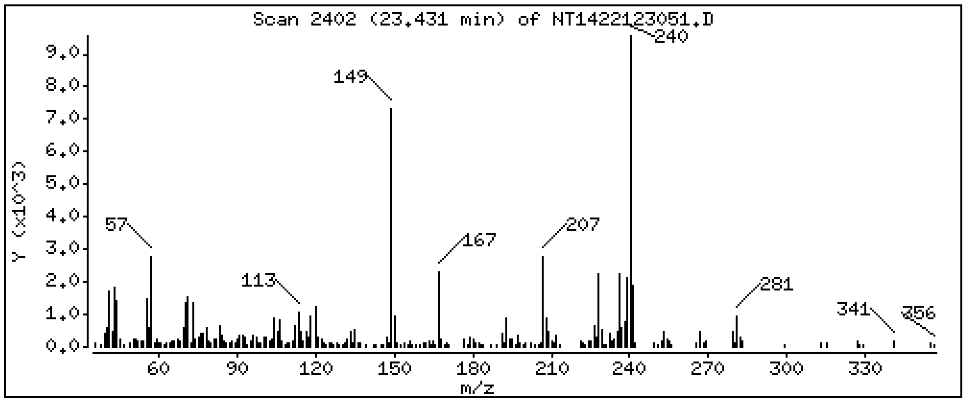
Client ID: Instrument: nt14.i

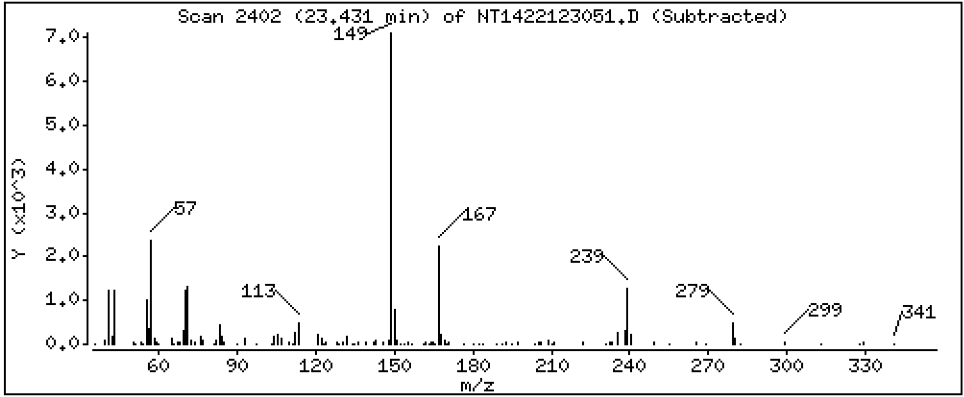
Sample Info: SKL0355-LCV1

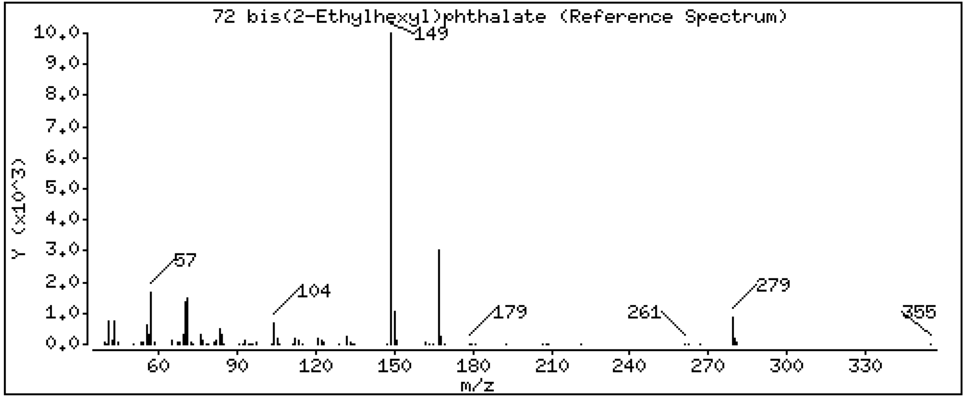
Operator: VTS

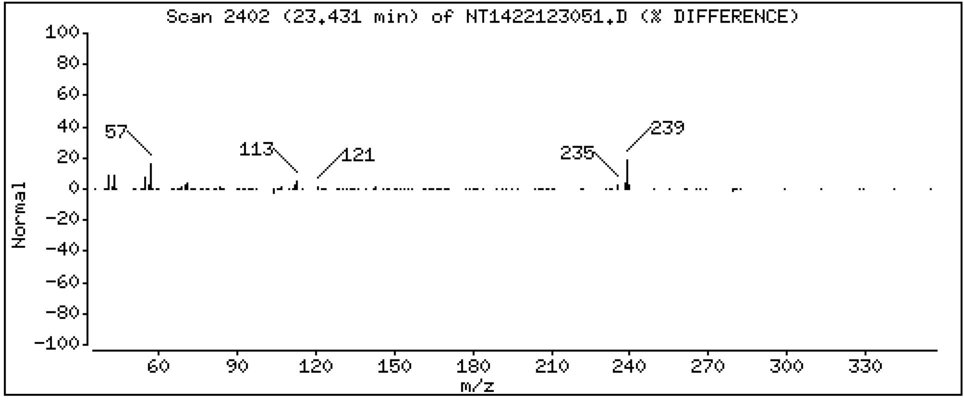
Column phase: ZB-5msi Column diameter: 0.25

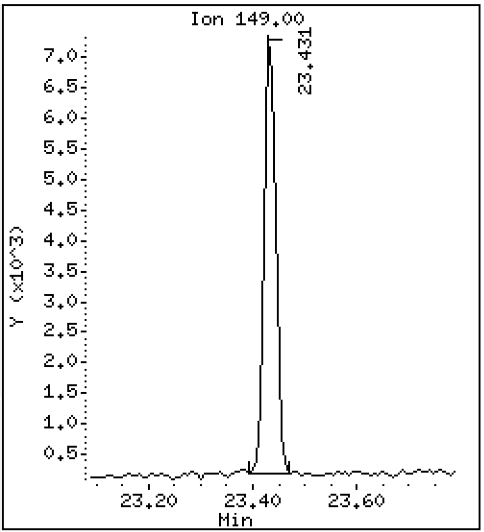
72 bis(2-Ethylhexyl)phthalate Concentration: 0.2185 ug/mL

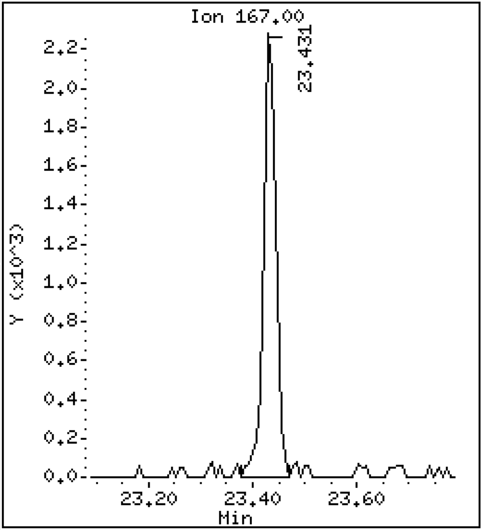

Scan 2402 (23.431 min) of NT1422123051.D

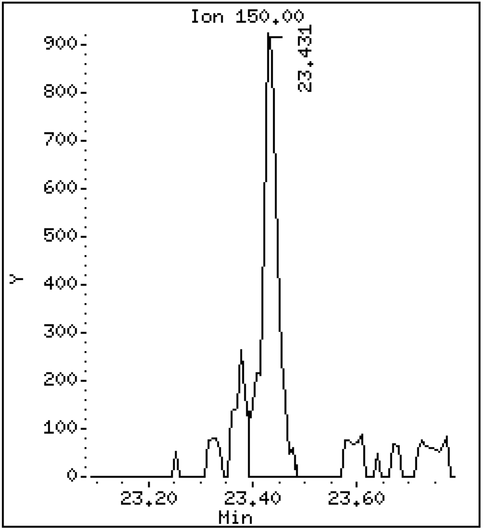

Scan 2402 (23.431 min) of NT1422123051.D (Subtracted)


72 bis(2-Ethylhexyl)phthalate (Reference Spectrum)


Scan 2402 (23.431 min) of NT1422123051.D (% DIFFERENCE)


Ion 149.00


Ion 167.00


Ion 150.00

Data File: \\target\share\chem3\nt14.i\20221230B.b\NT1422123051.D

Date : 31-DEC-2022 14:29

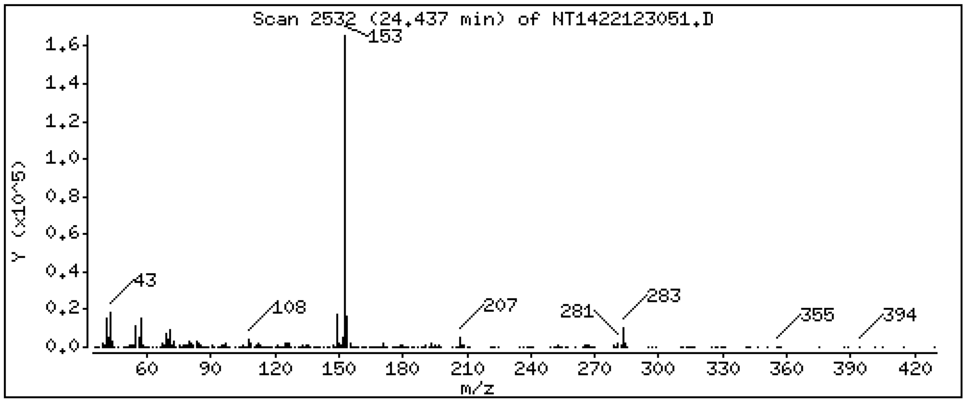
Client ID: Instrument: nt14.i

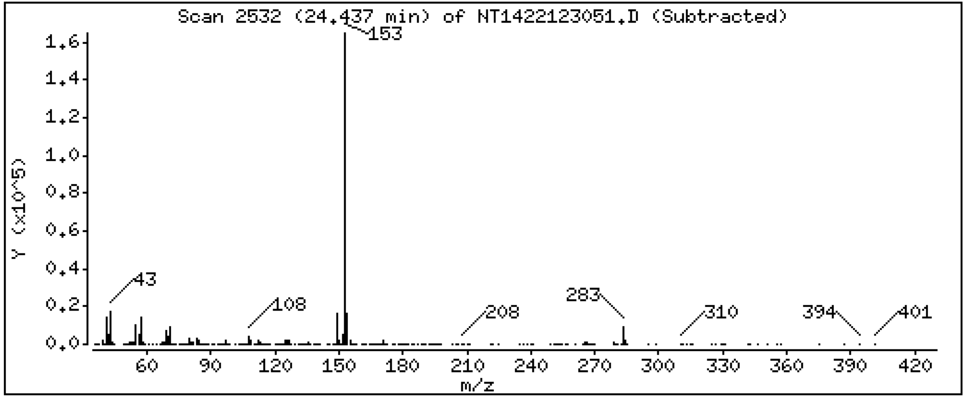
Sample Info: SKL0355-LCV1

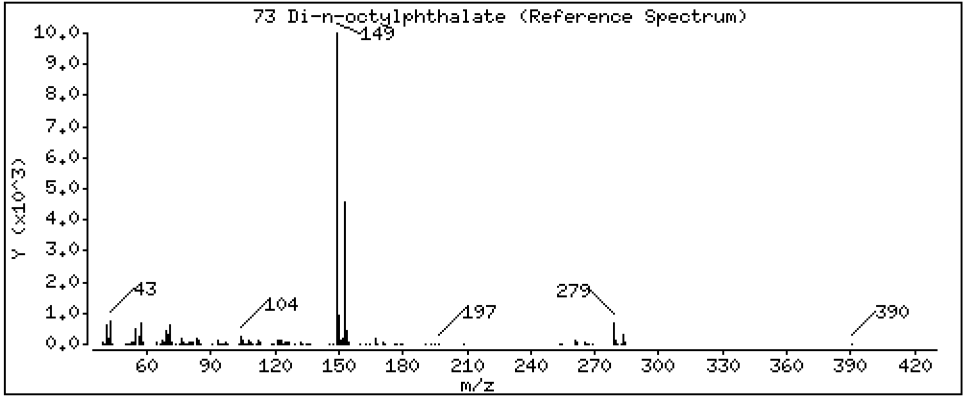
Operator: VTS

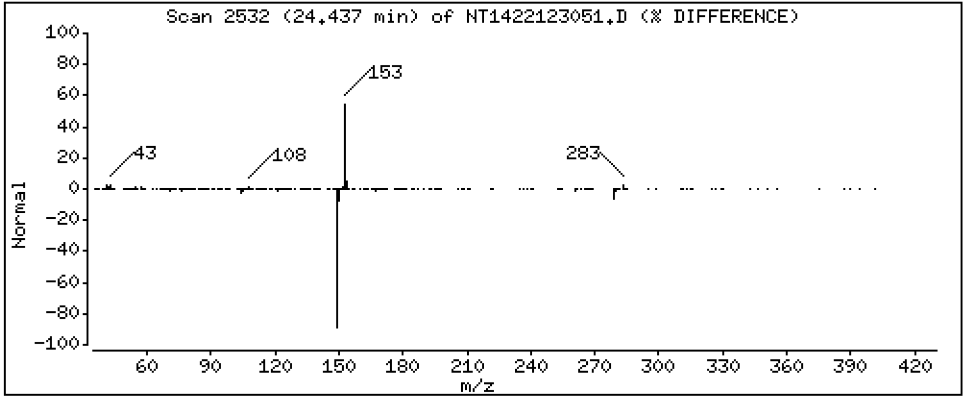
Column phase: ZB-5msi Column diameter: 0.25

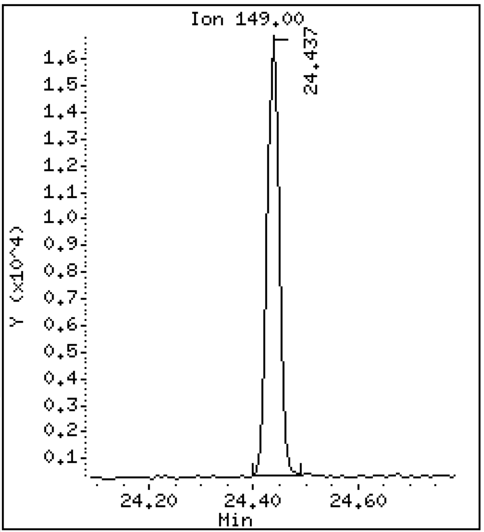
73 Di-n-octylphthalate Concentration: 0.2419 ug/mL

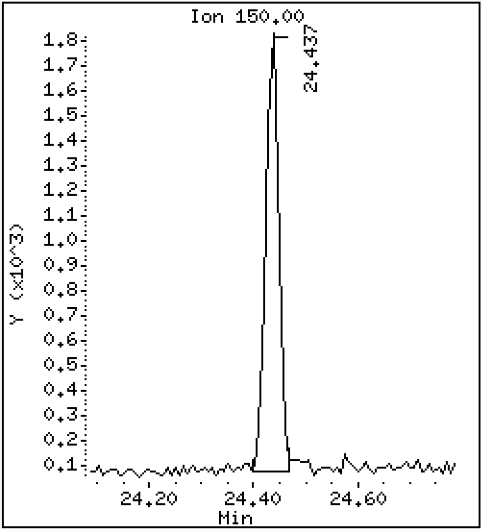

Scan 2532 (24.437 min) of NT1422123051.D


Scan 2532 (24.437 min) of NT1422123051.D (Subtracted)


73 Di-n-octylphthalate (Reference Spectrum)


Scan 2532 (24.437 min) of NT1422123051.D (% DIFFERENCE)


Ion 149.00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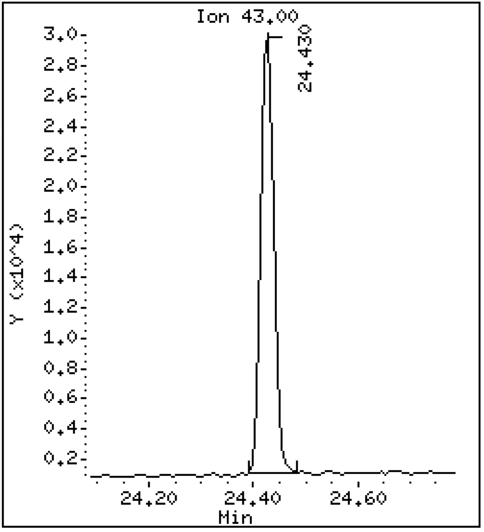

Ion 43.00

Data File: \\target\share\chem3\nt14.i\20221230B.b\NT1422123051.D

Date : 31-DEC-2022 14:29

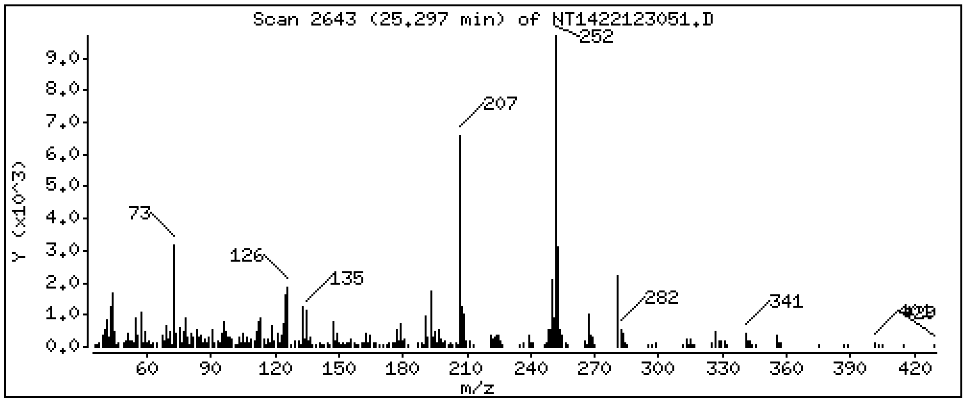
Client ID: Instrument: nt14.i

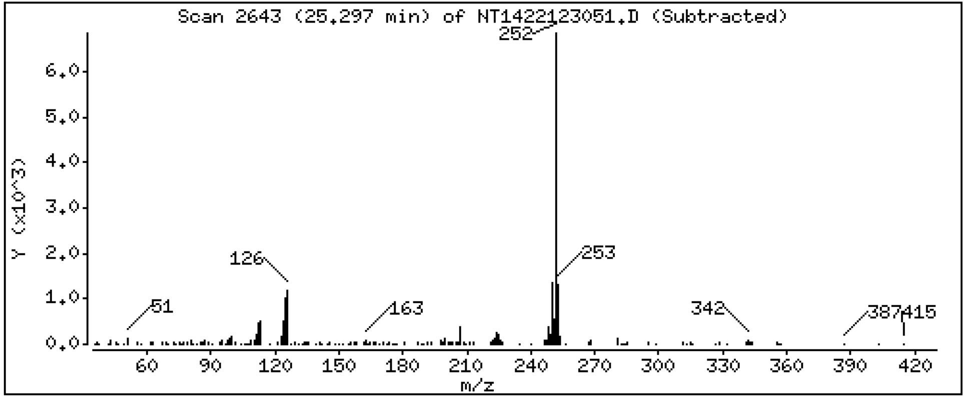
Sample Info: SKL0355-LCV1

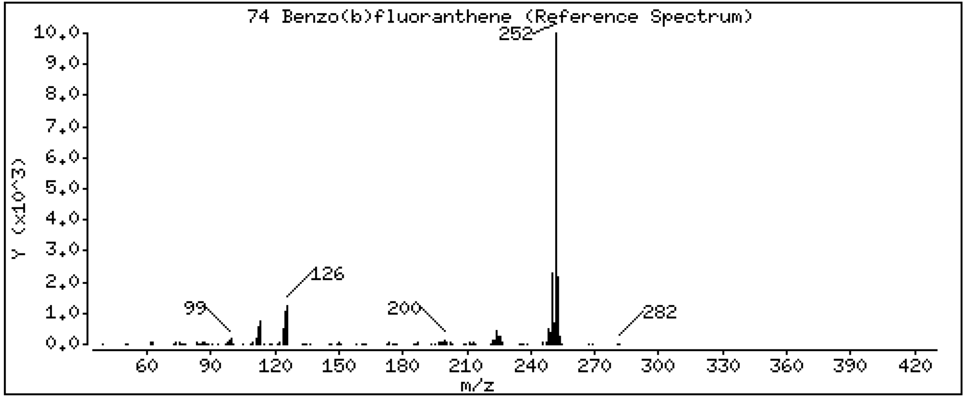
Operator: VTS

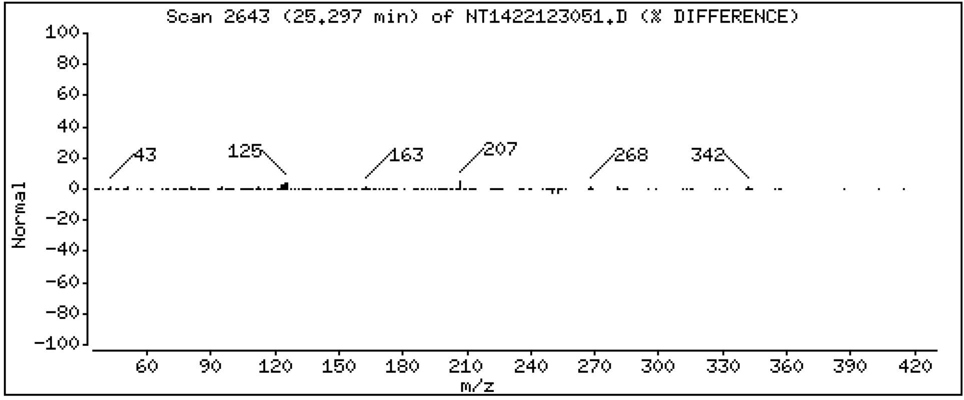
Column phase: ZB-5msi Column diameter: 0.25

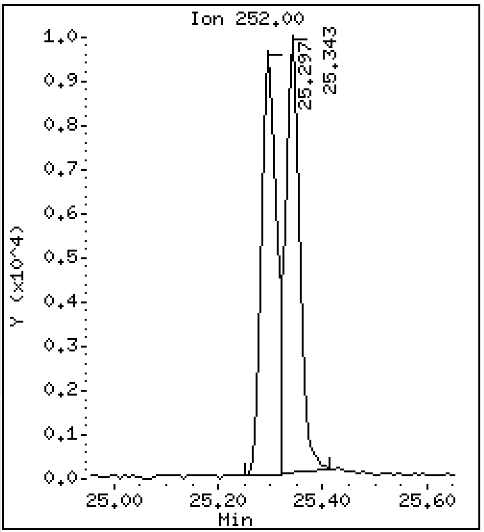
74 Benzo(b)fluoranthene Concentration: 0.2459 ug/mL

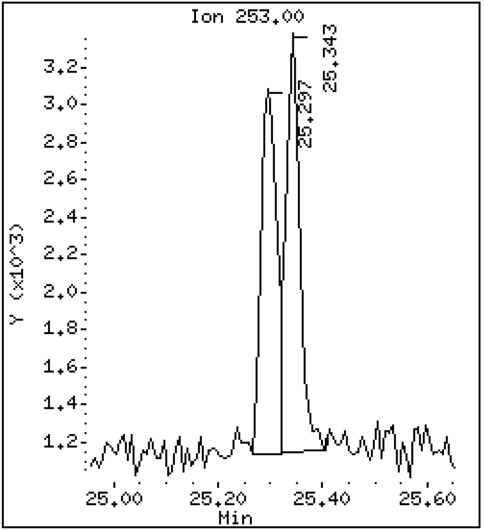

Scan 2643 (25.297 min) of NT1422123051.D

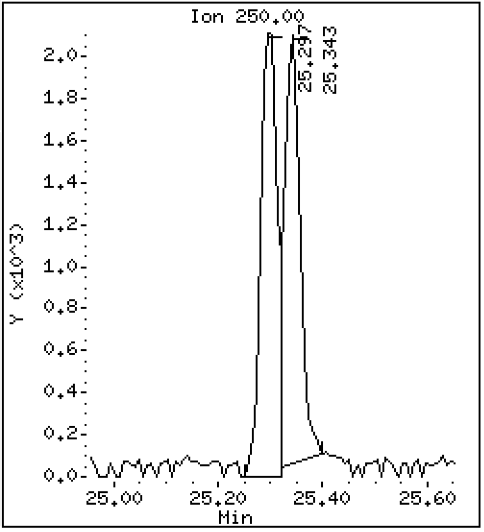

Scan 2643 (25.297 min) of NT1422123051.D (Subtracted)


74 Benzo(b)fluoranthene (Reference Spectrum)


Scan 2643 (25.297 min) of NT1422123051.D (% DIFFERENCE)


Ion 252.00


Ion 253.00


Ion 250.00

Data File: \\target\share\chem3\nt14.i\20221230B.b\NT1422123051.D

Date : 31-DEC-2022 14:29

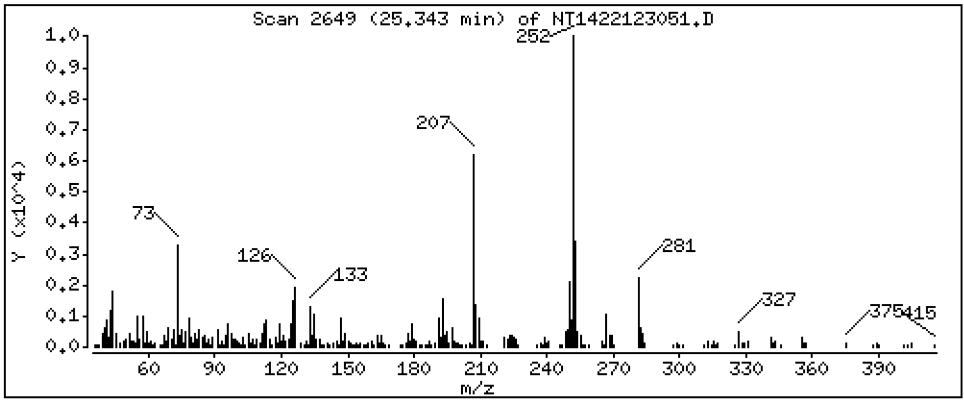
Client ID: Instrument: nt14.i

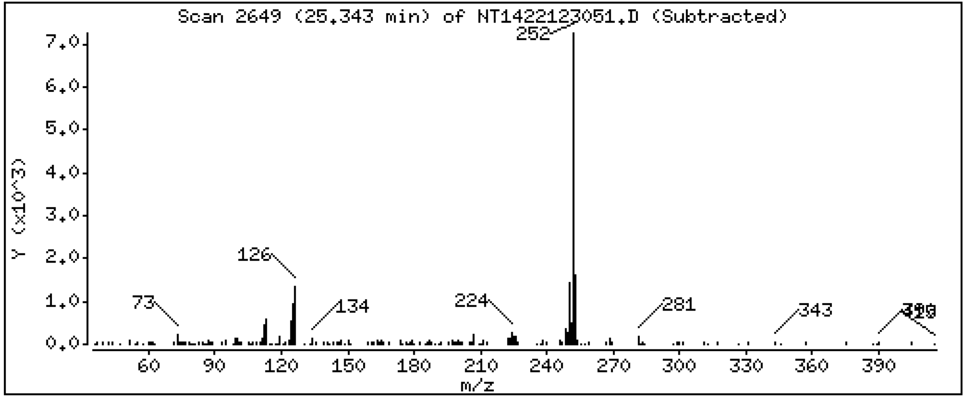
Sample Info: SKL0355-LCV1

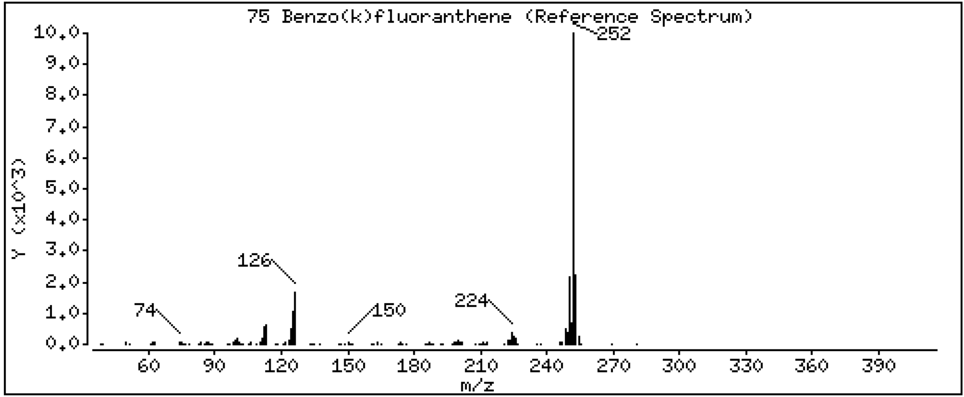
Operator: VTS

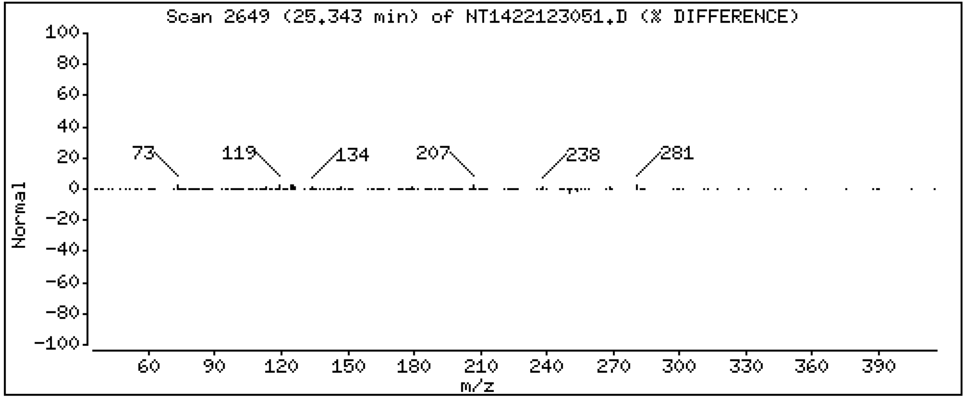
Column phase: ZB-5msi Column diameter: 0.25

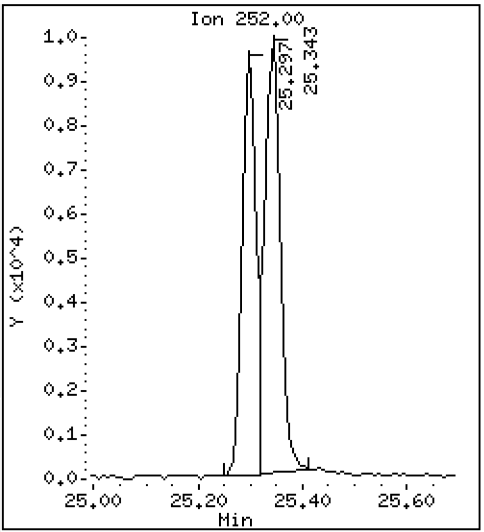
75 Benzo(k)fluoranthene Concentration: 0.2549 ug/mL


Scan 2649 (25.343 min) of NT1422123051.D


Scan 2649 (25.343 min) of NT1422123051.D (Subtracted)


75 Benzo(k)fluoranthene (Reference Spectrum)


Scan 2649 (25.343 min) of NT1422123051.D (% DIFFERENCE)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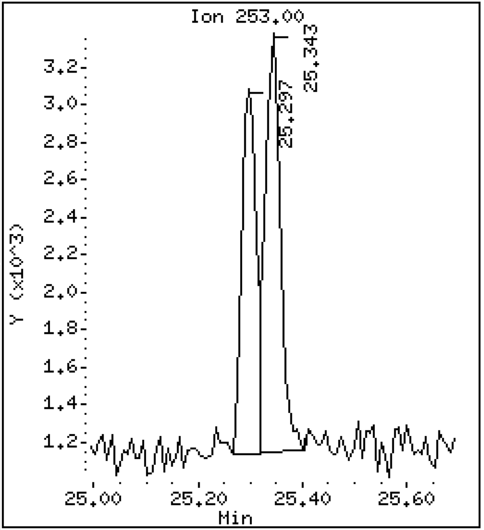
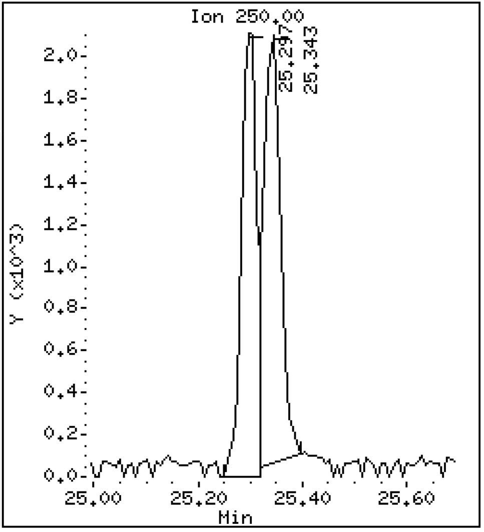

Ion 253.00


Ion 250.00

Data File: \\target\share\chem3\nt14.i\20221230B.b\NT1422123051.D

Date : 31-DEC-2022 14:29

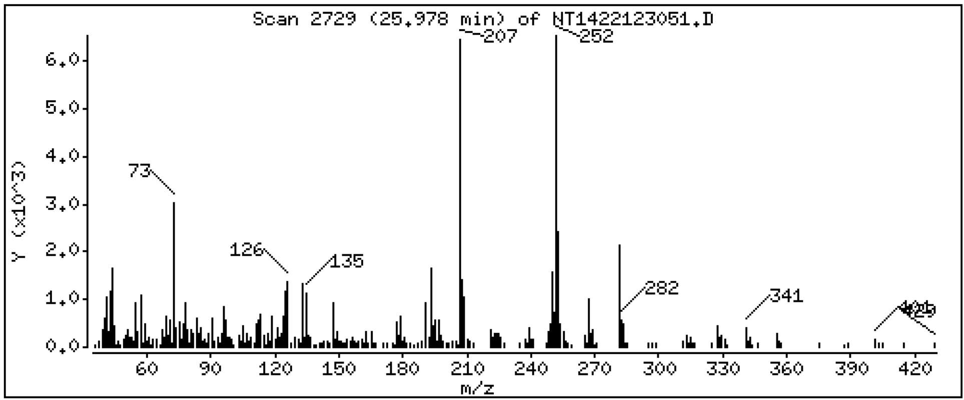
Client ID: Instrument: nt14.i

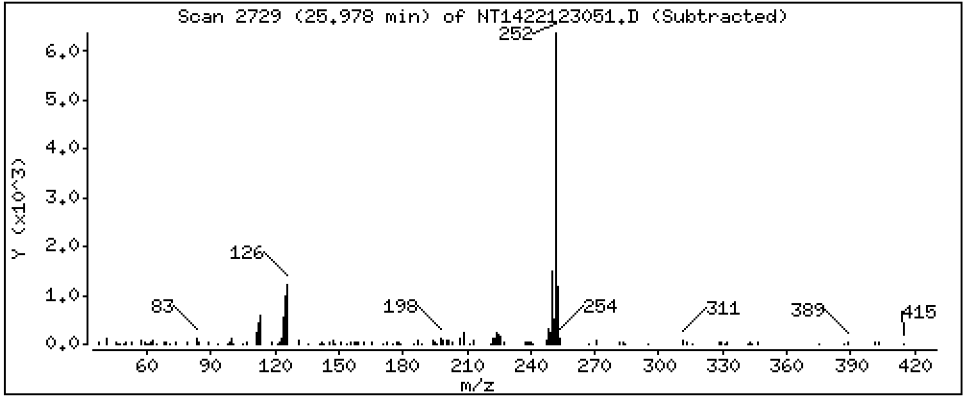
Sample Info: SKL0355-LCV1

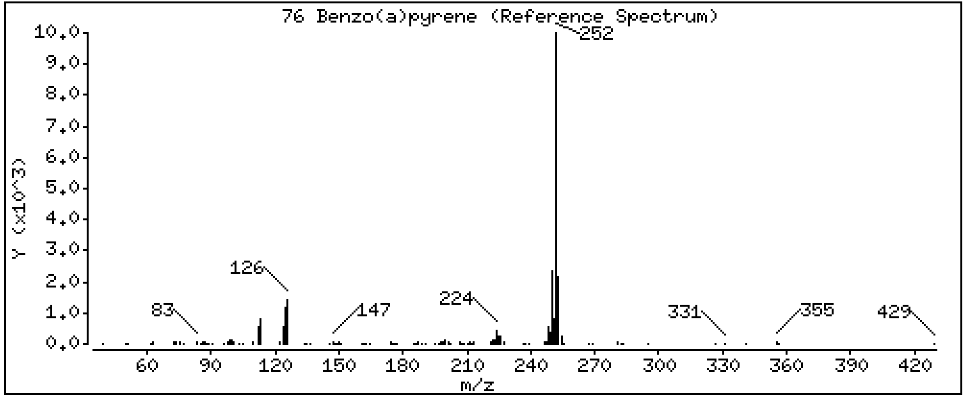
Operator: VTS

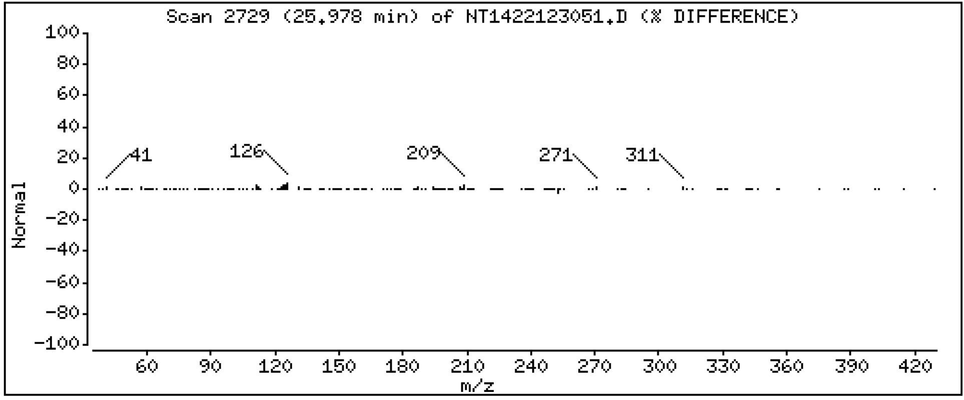
Column phase: ZB-5msi Column diameter: 0.25

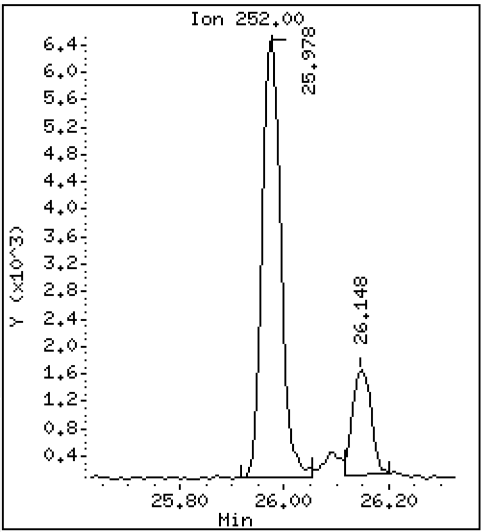
76 Benzo(a)pyrene Concentration: 0.2416 ug/mL

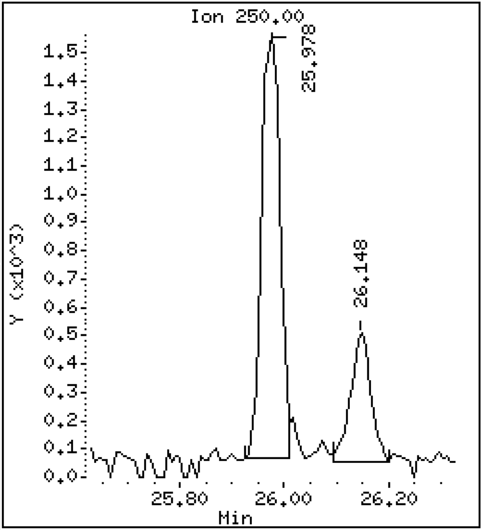


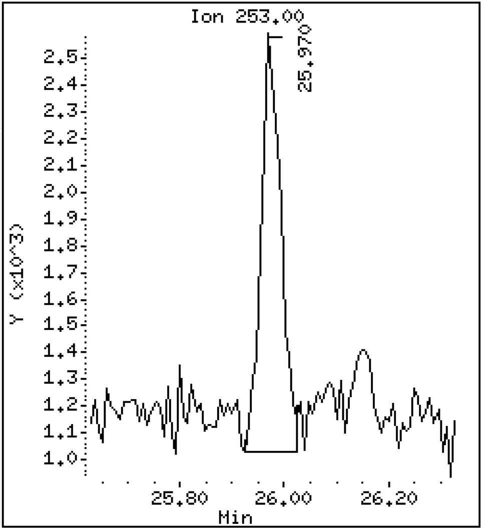












Data File: \\target\share\chem3\nt14.i\20221230B.b\NT1422123051.D

Date : 31-DEC-2022 14:29

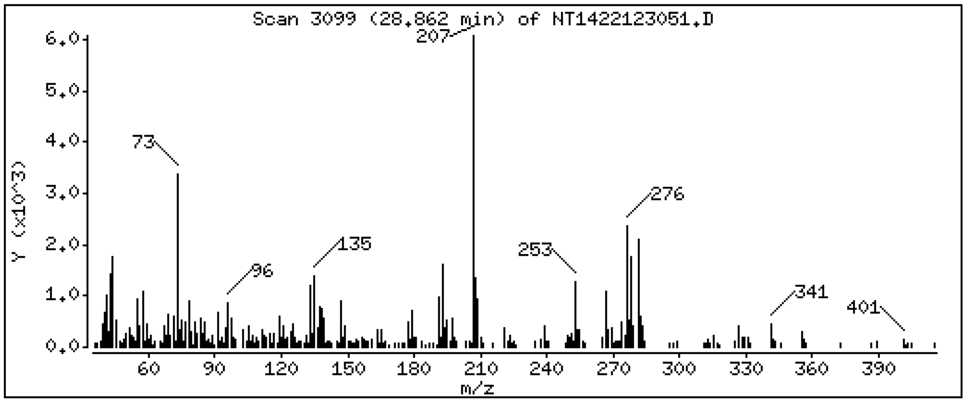
Client ID: Instrument: nt14.i

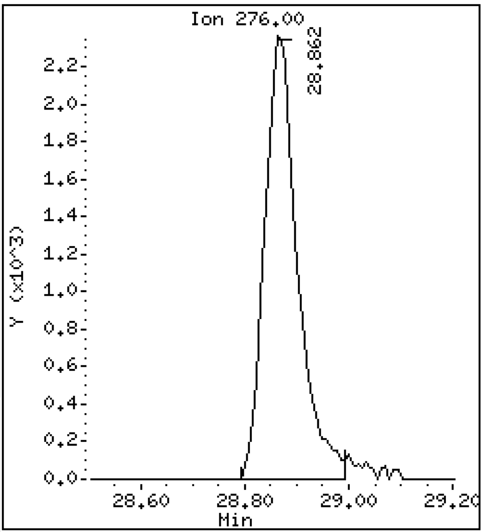
Sample Info: SKL0355-LCV1

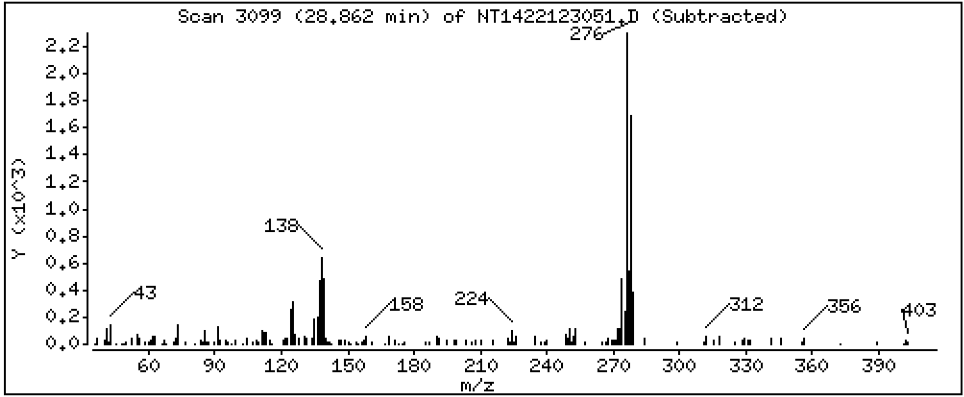
Operator: VTS

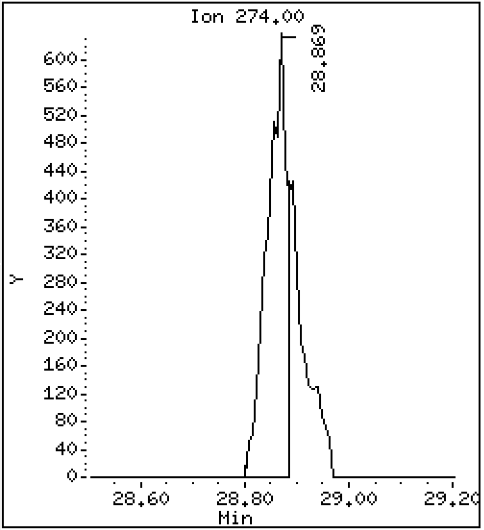
Column phase: ZB-5msi Column diameter: 0.25

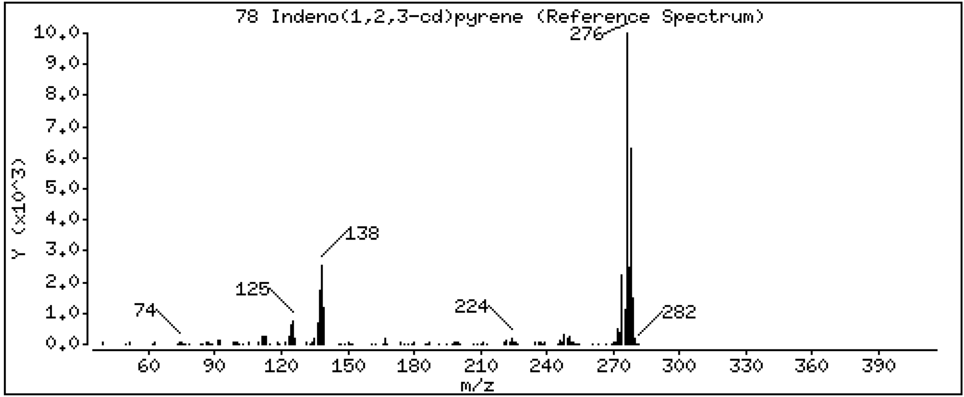
78 Indeno(1,2,3-cd)pyrene Concentration: 0.1427 ug/mL

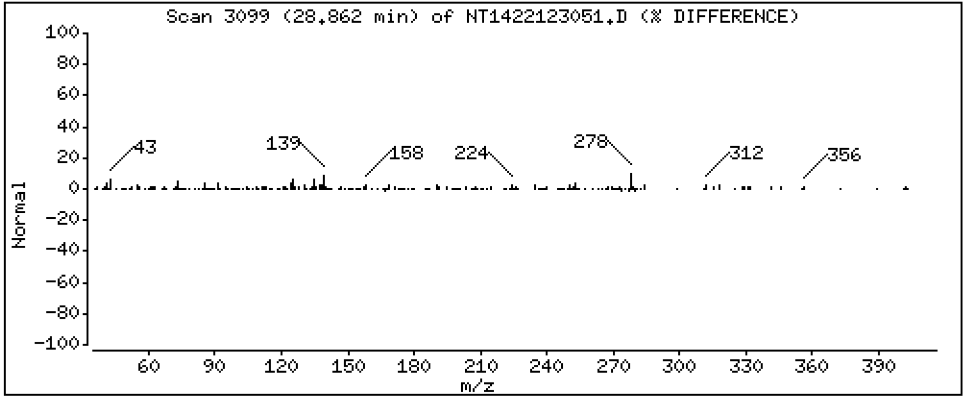

Scan 3099 (28.862 min) of NT1422123051.D

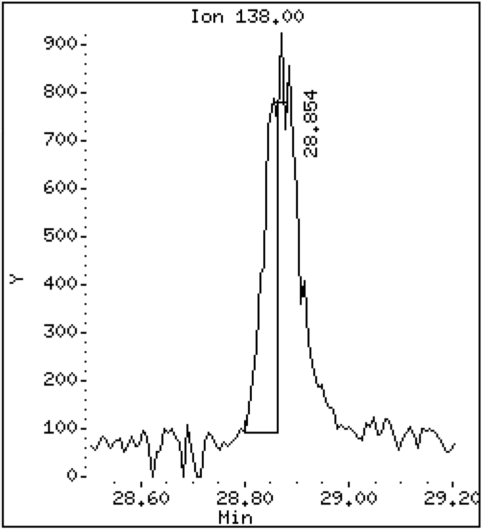

Ion 276.00


Scan 3099 (28.862 min) of NT1422123051.D (Subtracted)


Ion 274.00


78 Indeno(1,2,3-cd)pyrene (Reference Spectrum)


Scan 3099 (28.862 min) of NT1422123051.D (% DIFFERENCE)


Ion 138.00

Date : 31-DEC-2022 14:29

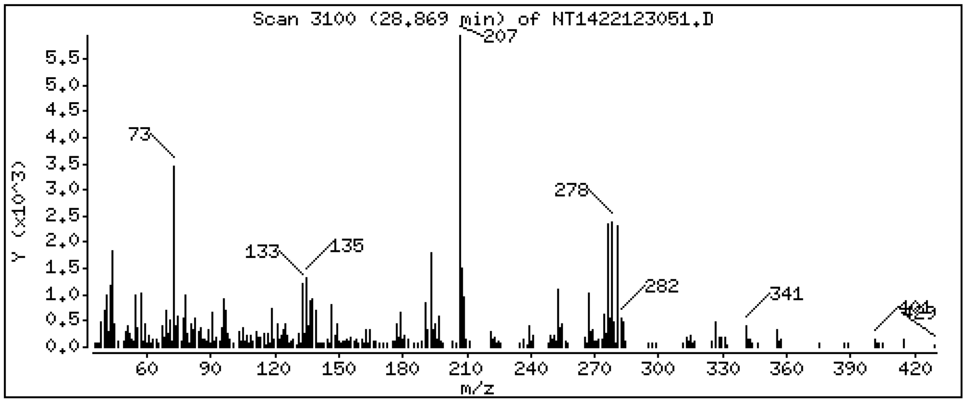
Client ID: Instrument: nt14.i

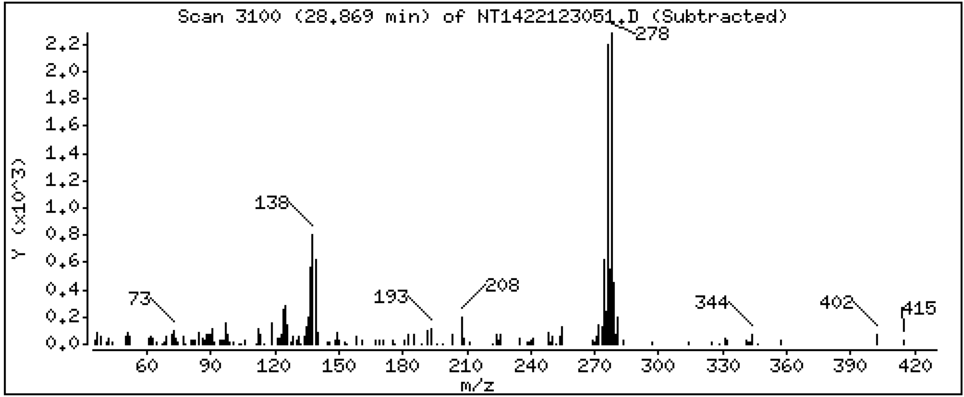
Sample Info: SKL0355-LCV1

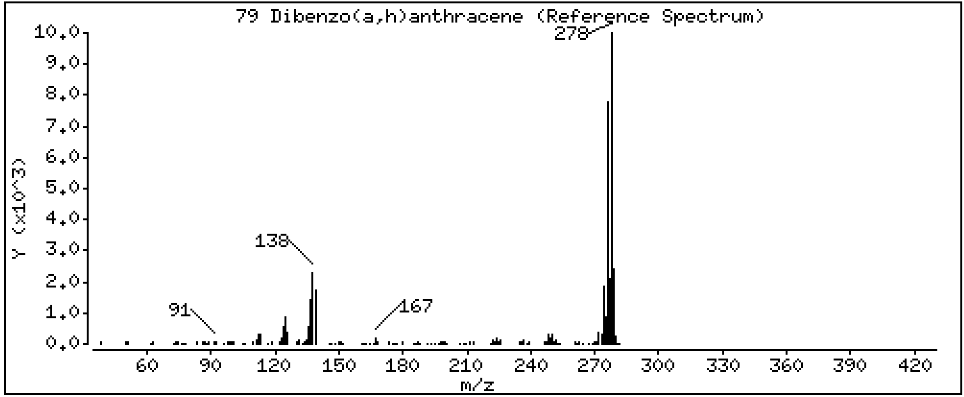
Operator: VTS

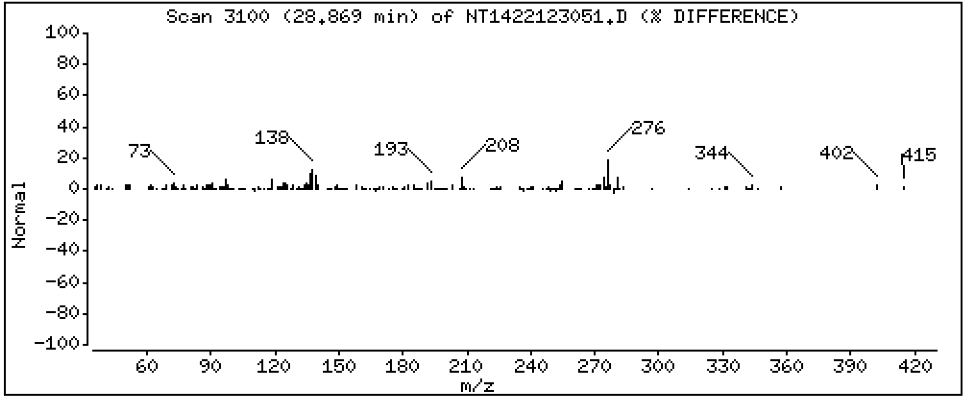
Column phase: ZB-5msi Column diameter: 0.25

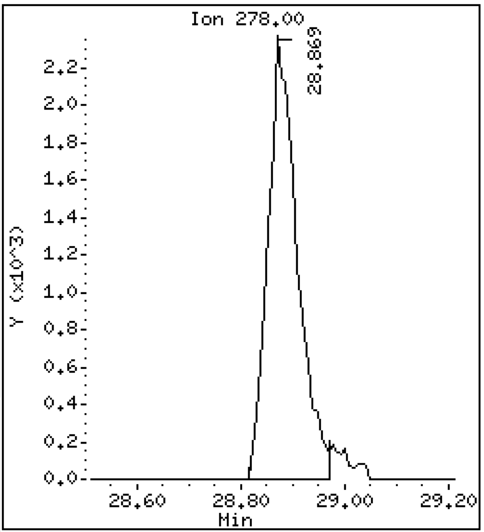
79 Dibenzo(a,h)anthracene Concentration: 0.1497 ug/mL

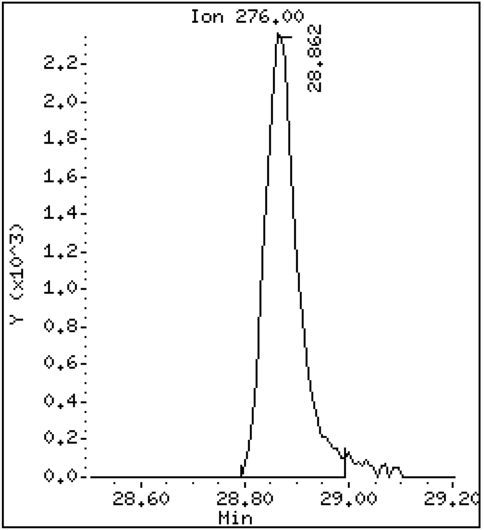

Scan 3100 (28.869 min) of NT1422123051.D

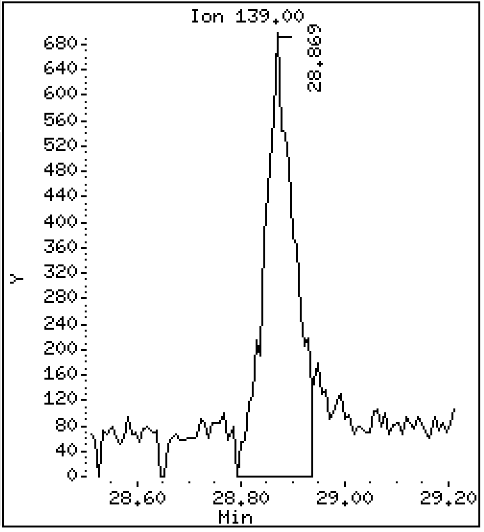

Scan 3100 (28.869 min) of NT1422123051.D (Subtracted)


79 Dibenzo(a,h)anthracene (Reference Spectrum)


Scan 3100 (28.869 min) of NT1422123051.D (% DIFFERENCE)


Ion 278.00


Ion 276.00


Ion 139.00

Date : 31-DEC-2022 14:29

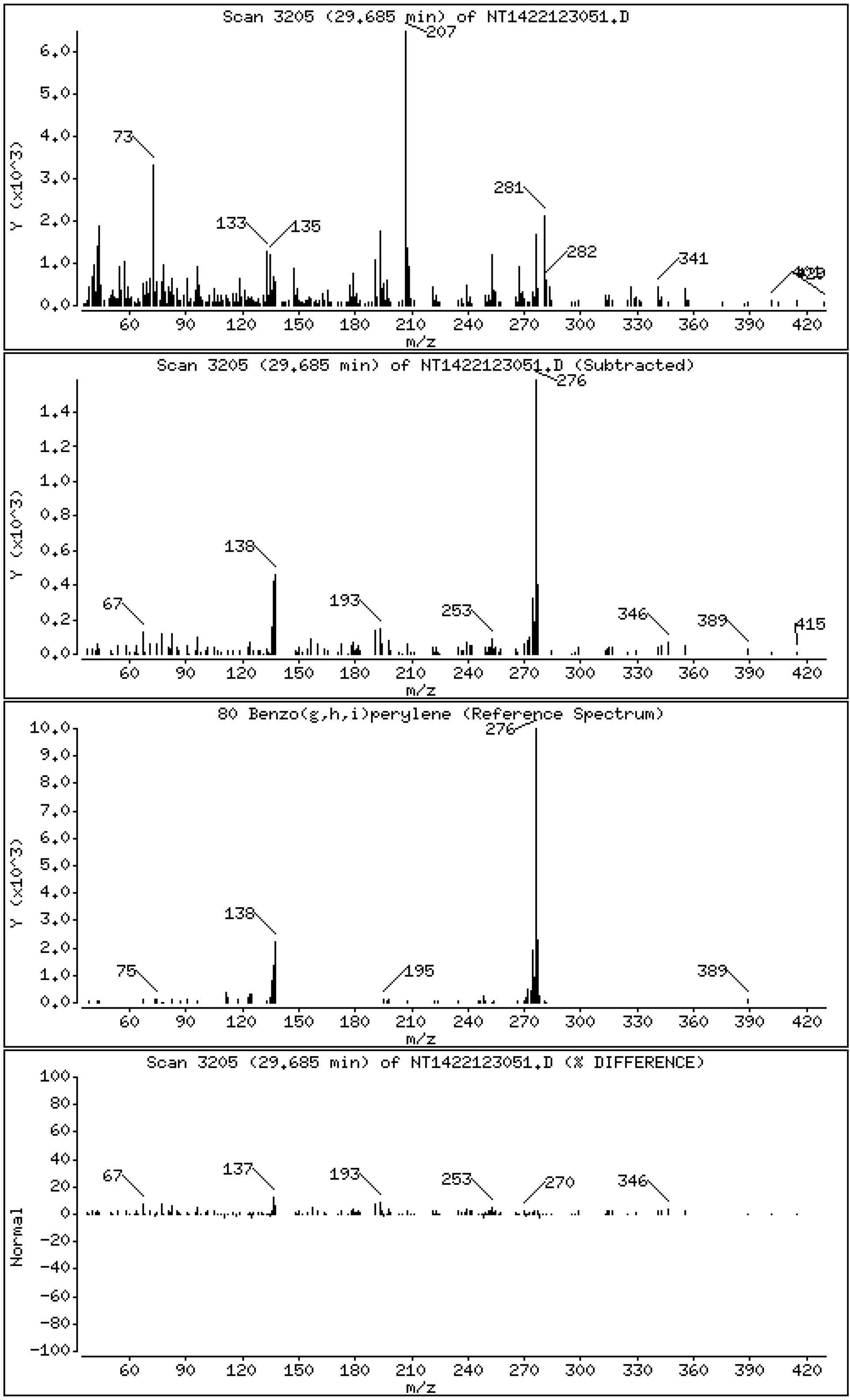
Client ID: Instrument: nt14.i

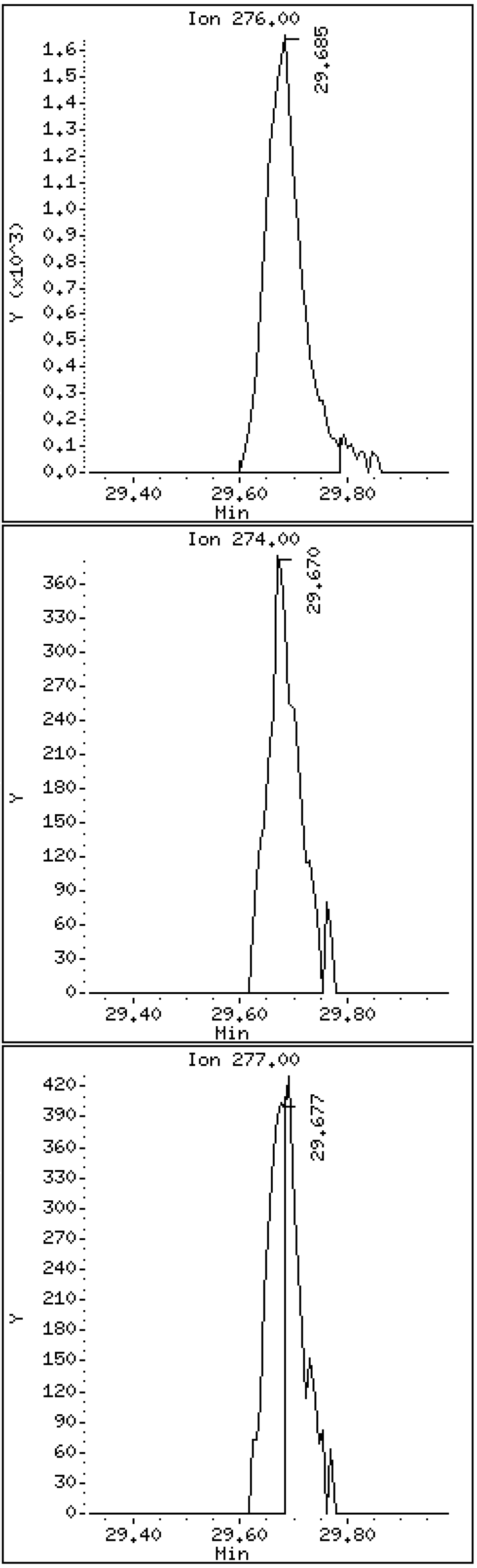
Sample Info: SKL0355-LCV1

Operator: VTS

Column phase: ZB-5msi Column diameter: 0.25

80 Benzo(g,h,i)perylene Concentration: 0.1229 ug/mL





Date : 31-DEC-2022 14:29

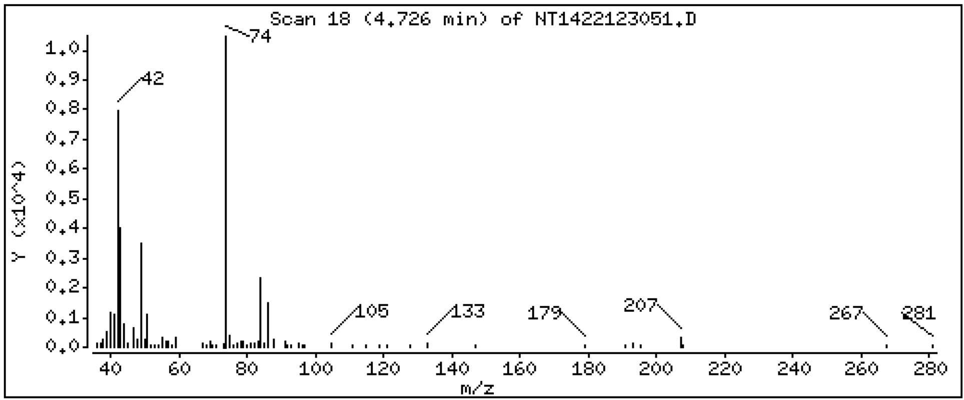
Client ID: Instrument: nt14.i

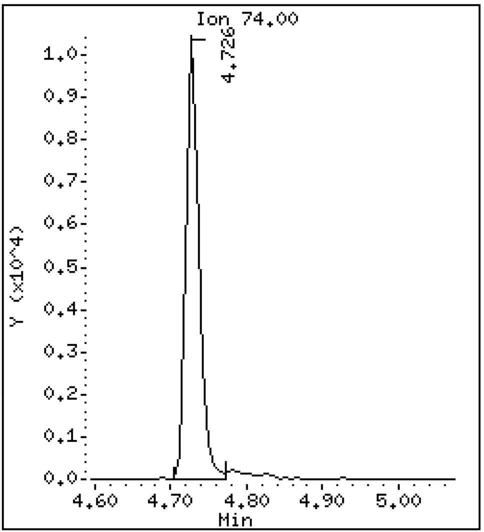
Sample Info: SKL0355-LCV1

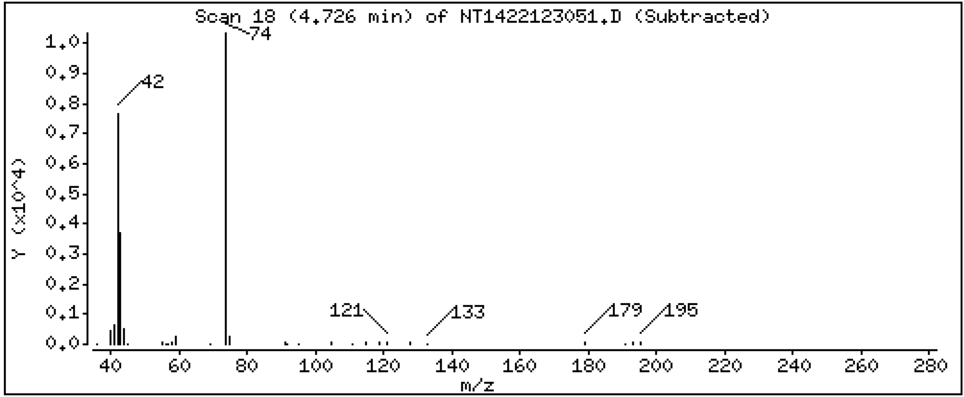
Operator: VTS

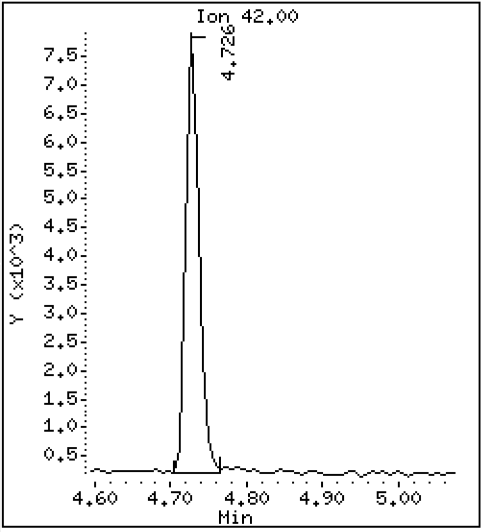
Column phase: ZB-5msi Column diameter: 0.25

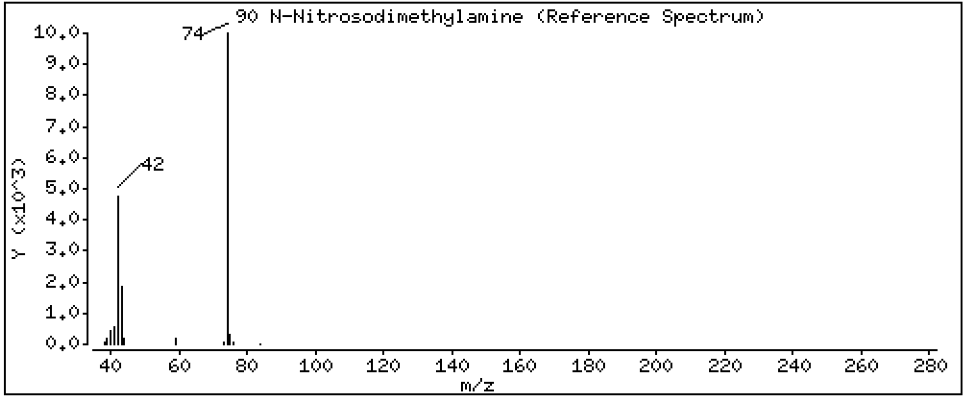
90 N-Nitrosodimethylamine Concentration: 0.4965 ug/mL

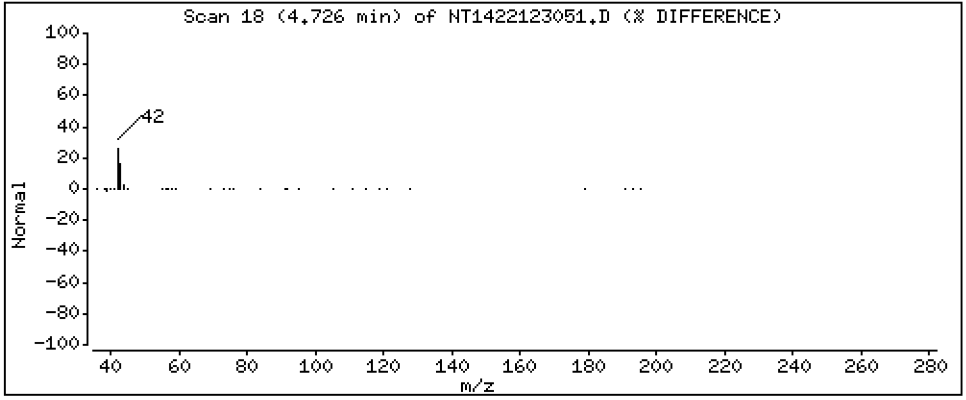












Date : 31-DEC-2022 14:29

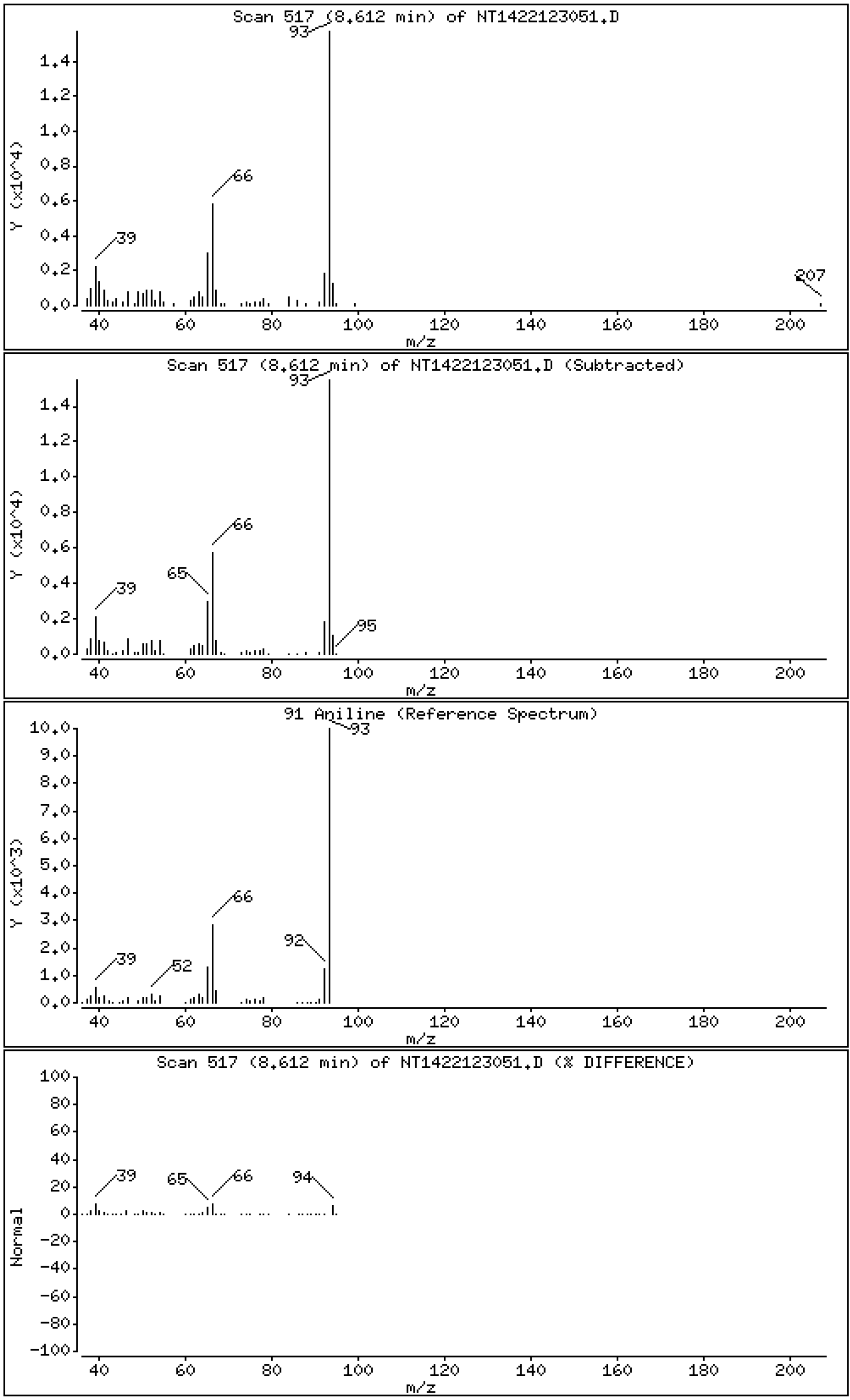
Client ID: Instrument: nt14.i

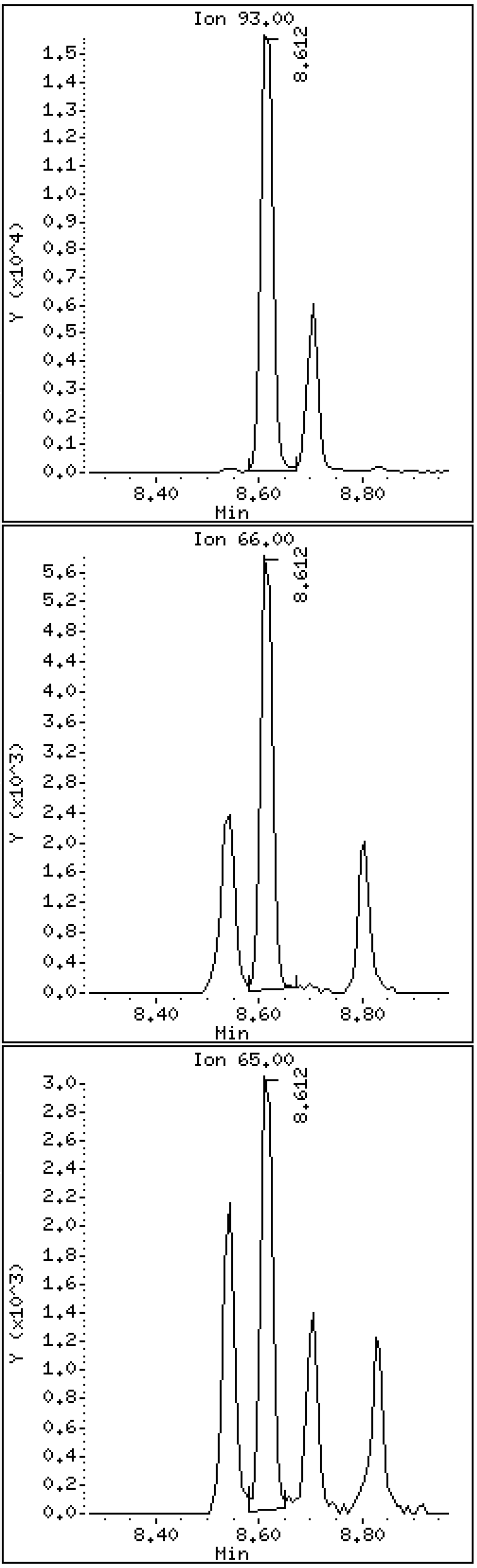
Sample Info: SKL0355-LCV1

Operator: VTS

Column phase: ZB-5msi Column diameter: 0.25

91 Aniline Concentration: 0.4714 ug/mL





Data File: \\target\share\chem3\nt14.i\20221230B.b\NT1422123051.D

Date : 31-DEC-2022 14:29

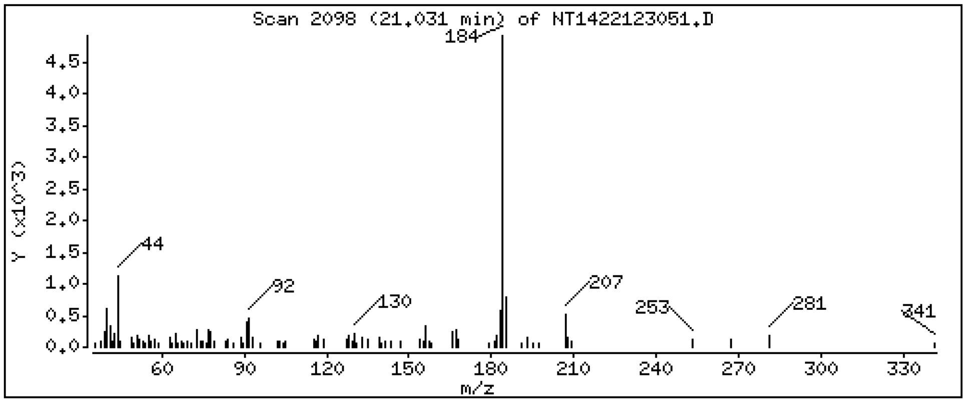
Client ID: Instrument: nt14.i

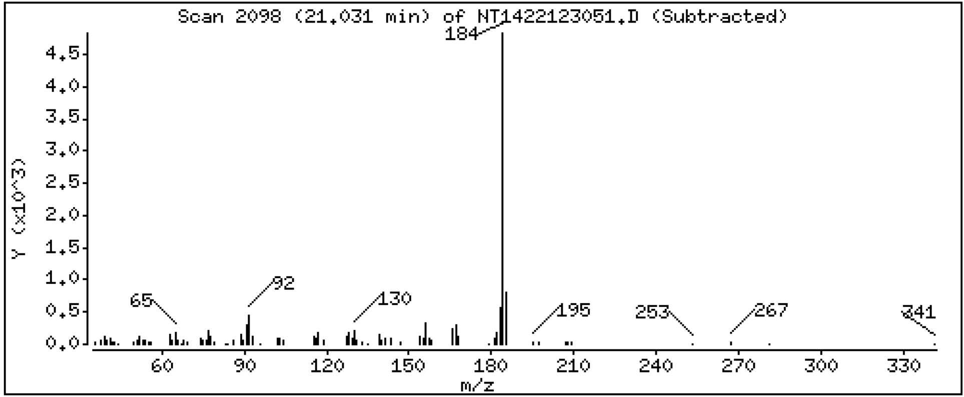
Sample Info: SKL0355-LCV1

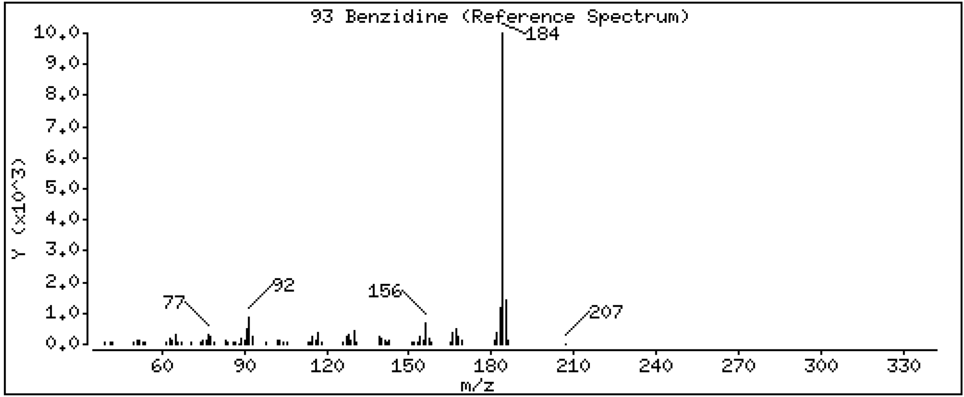
Operator: VTS

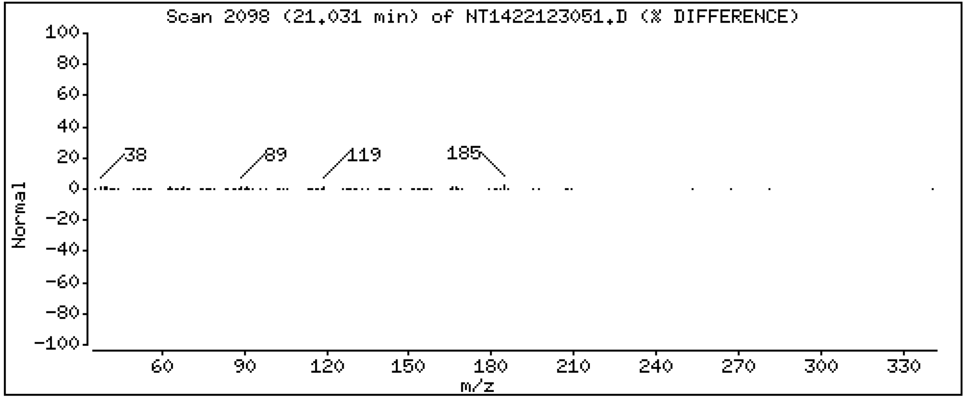
Column phase: ZB-5msi Column diameter: 0.25

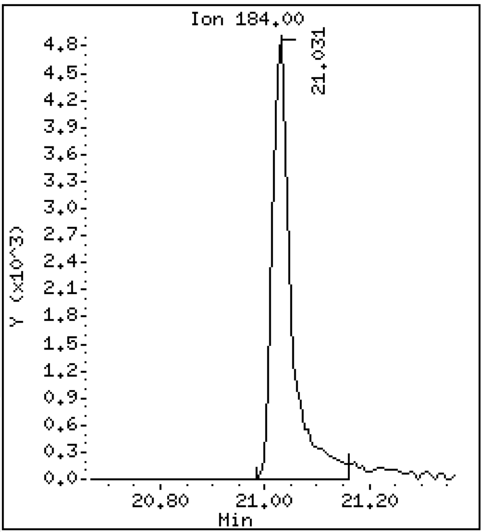
93 Benzidine Concentration: 0.3471 ug/mL

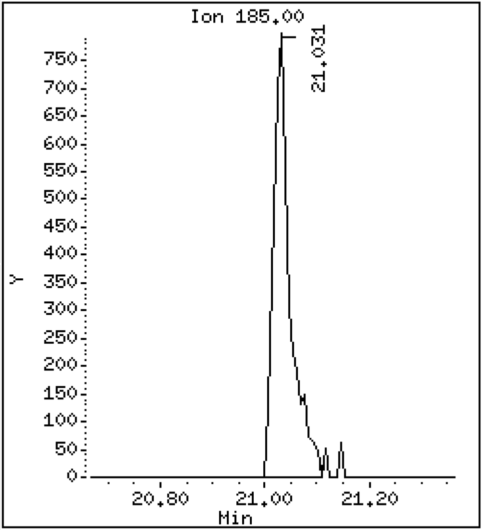

Scan 2098 (21.031 min) of NT1422123051.D


Scan 2098 (21.031 min) of NT1422123051.D (Subtracted)


93 Benzidine (Reference Spectrum)


Scan 2098 (21.031 min) of NT1422123051.D (% DIFFERENCE)


Ion 184.00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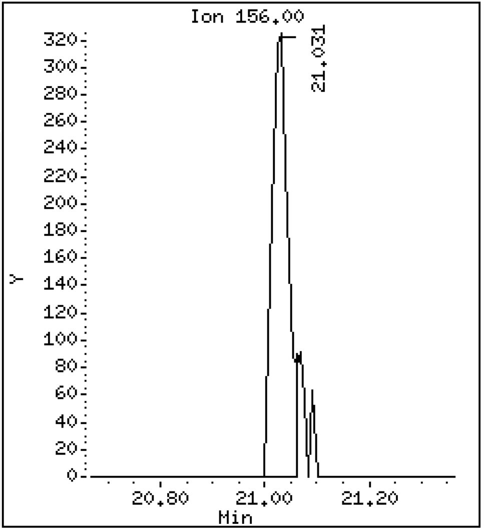

Ion 156.00

Data File: \\target\share\chem3\nt14.i\20221230B.b\NT1422123051.D

Date : 31-DEC-2022 14:29

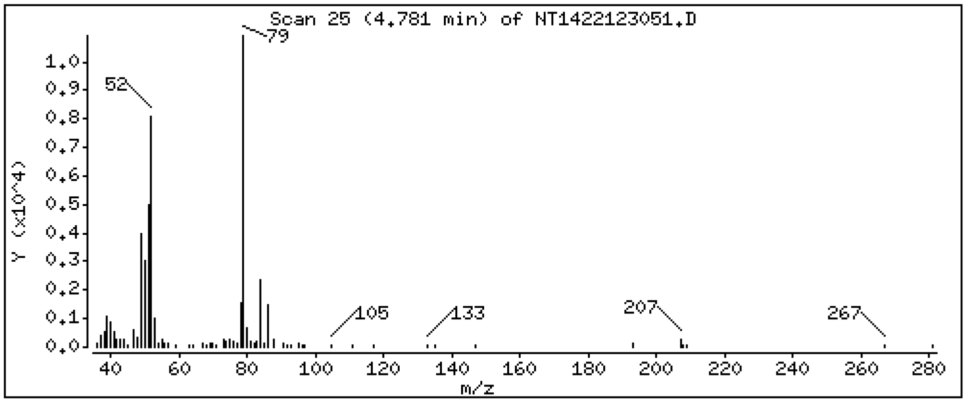
Client ID: Instrument: nt14.i

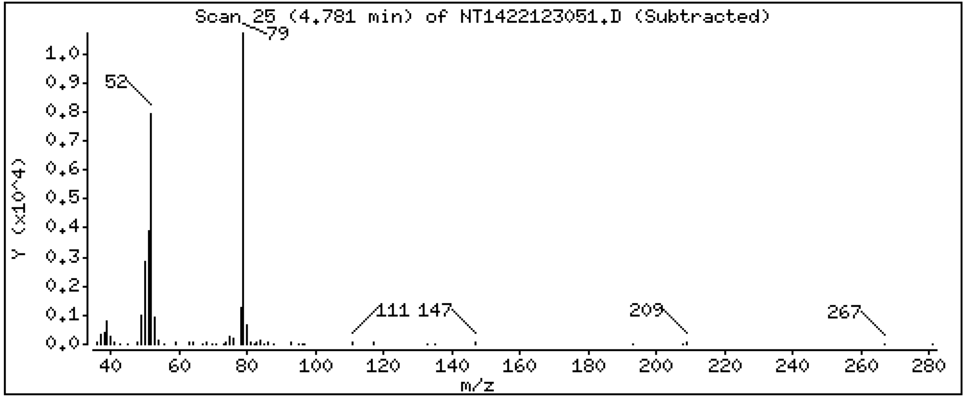
Sample Info: SKL0355-LCV1

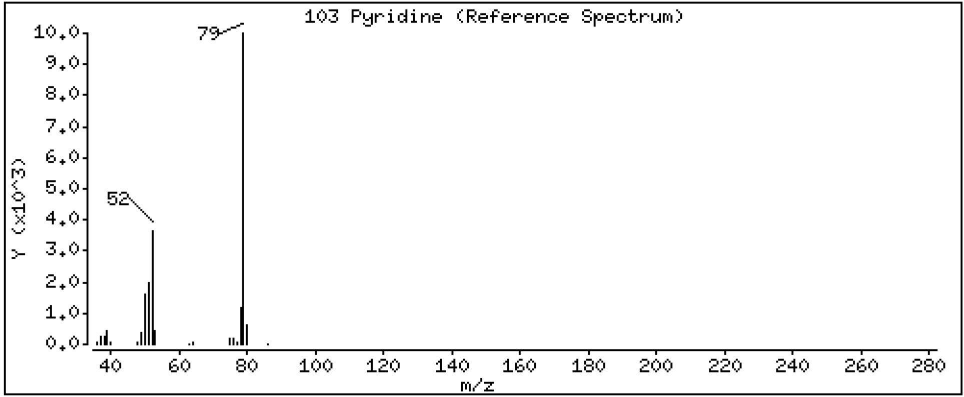
Operator: VTS

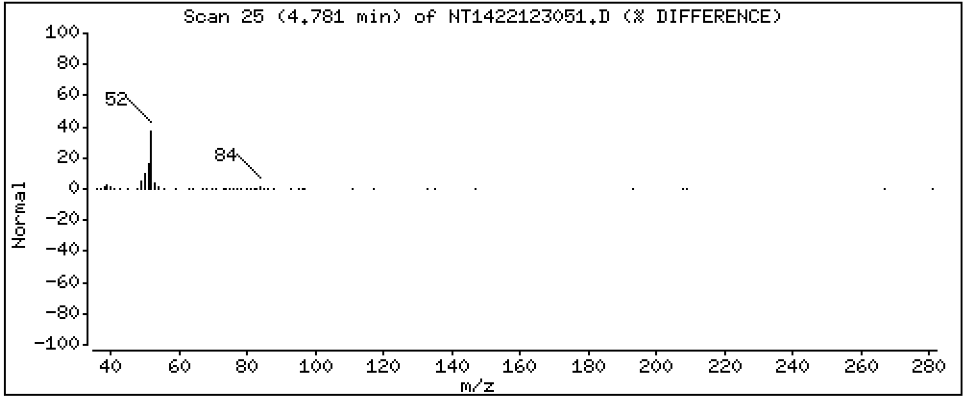
Column phase: ZB-5msi Column diameter: 0.25

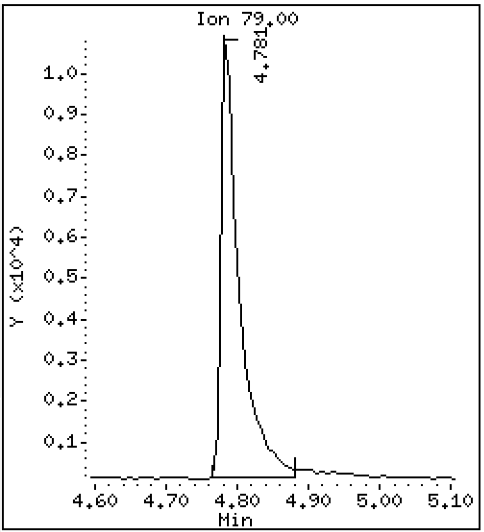
103 Pyridine Concentration: 0.2428 ug/mL


Scan 25 (4.781 min) of NT1422123051.D


Scan 25 (4.781 min) of NT1422123051.D (Subtracted)


103 Pyridine (Reference Spectrum)


Scan 25 (4.781 min) of NT1422123051.D (% DIFFERENCE)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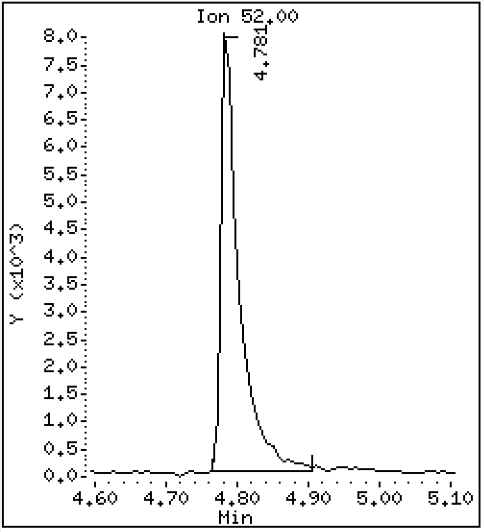
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Date : 31-DEC-2022 14:29

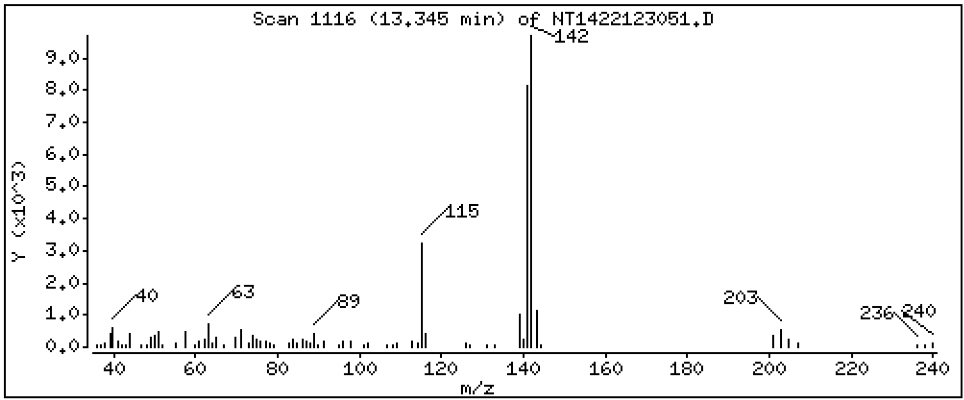
Client ID: Instrument: nt14.i

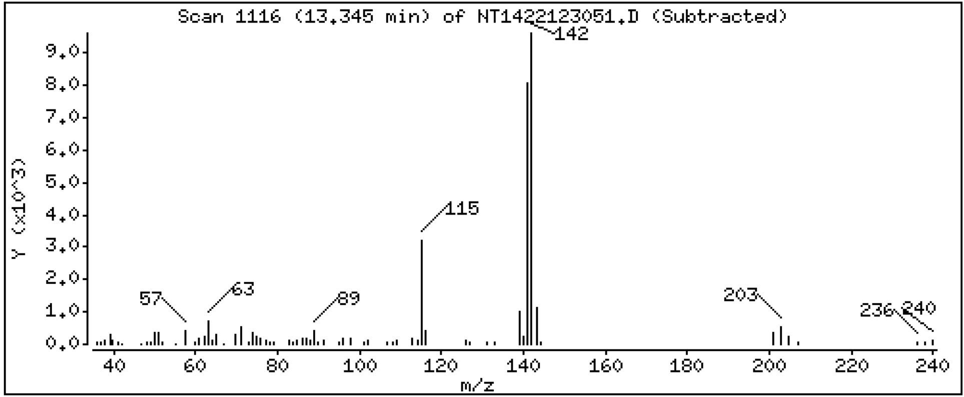
Sample Info: SKL0355-LCV1

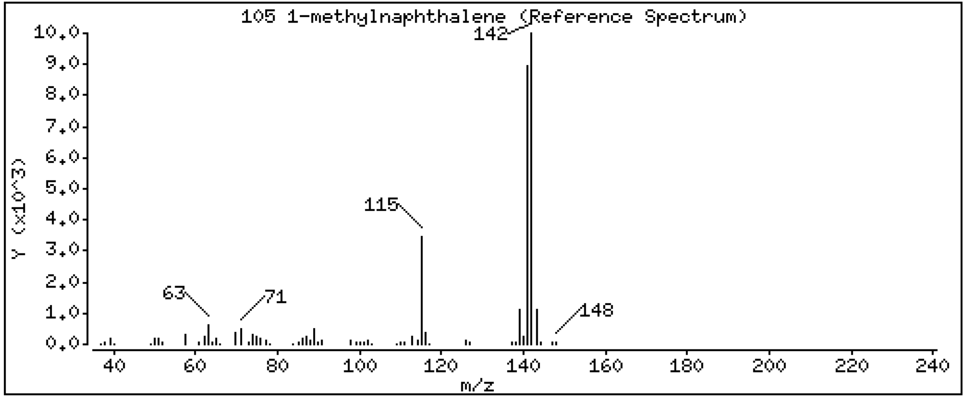
Operator: VTS

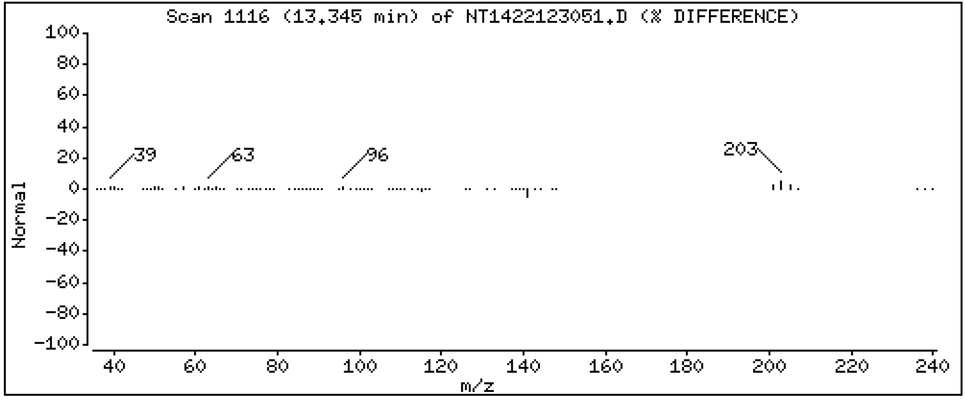
Column phase: ZB-5msi Column diameter: 0.25

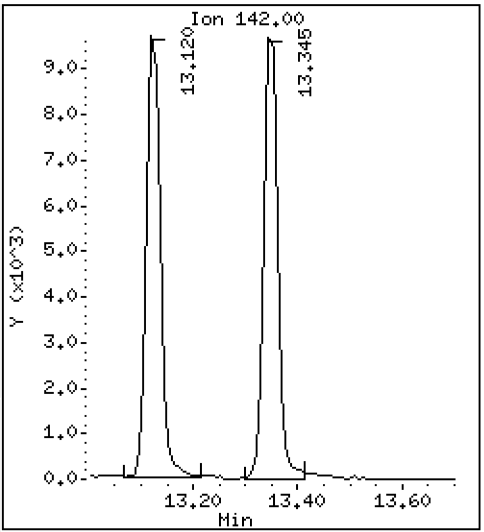
105 1-methylnaphthalene Concentration: 0.2317 ug/mL


Scan 1116 (13.345 min) of NT1422123051.D


Scan 1116 (13.345 min) of NT1422123051.D (Subtracted)


105 1-methylnaphthalene (Reference Spectrum)


Scan 1116 (13.345 min) of NT1422123051.D (% DIFFERENCE)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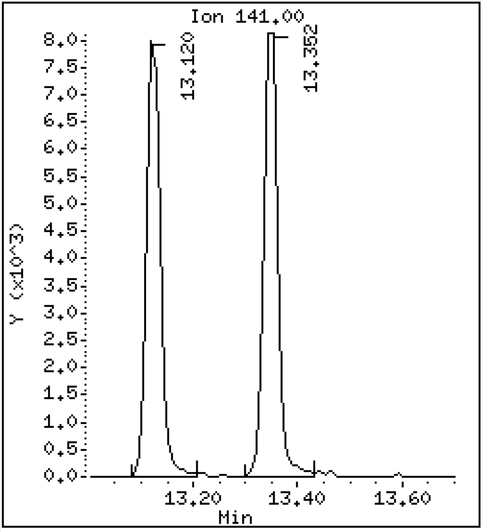

Ion 141.00

Data File: \\target\share\chem3\nt14.i\20221230B.b\NT1422123051.D

Date : 31-DEC-2022 14:29

Client ID:

Instrument: nt14.i

Sample Info: SKL0355-LCV1

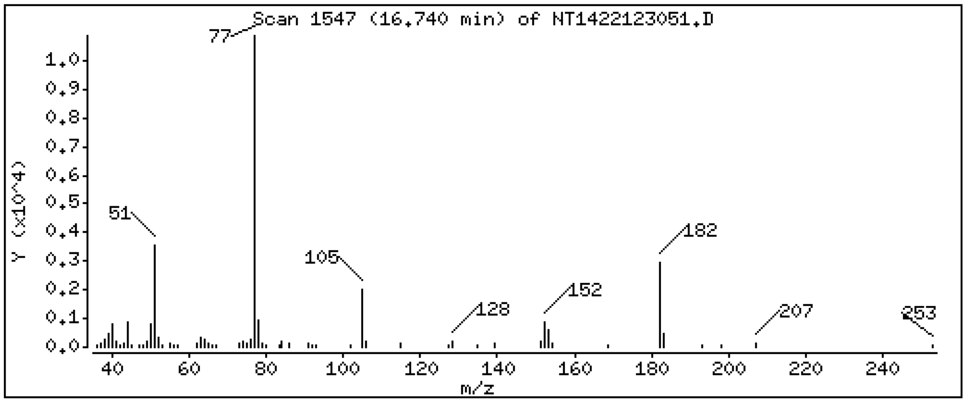
Operator: VTS

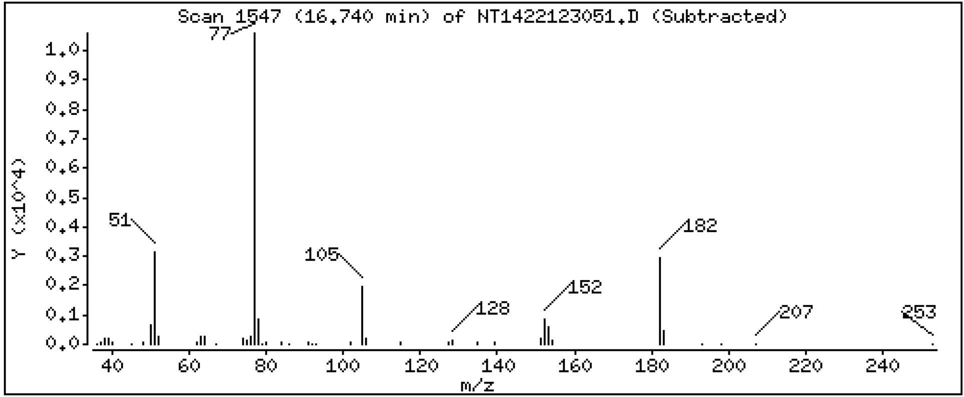
Column phase: ZB-5msi

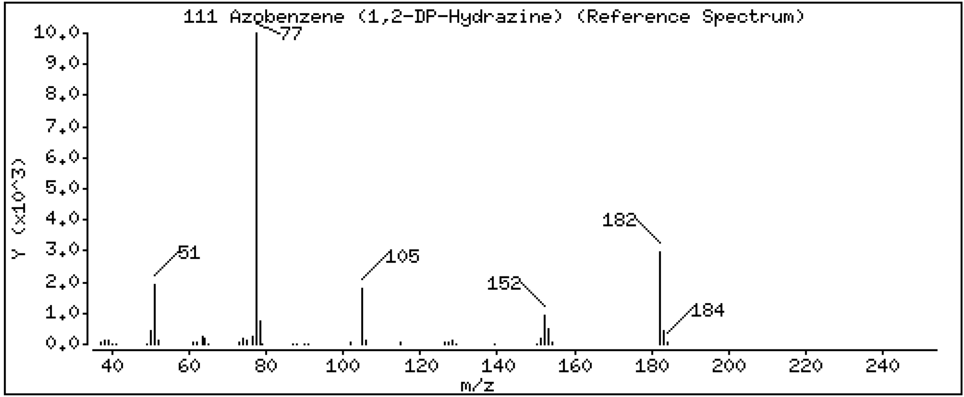
Column diameter: 0.25

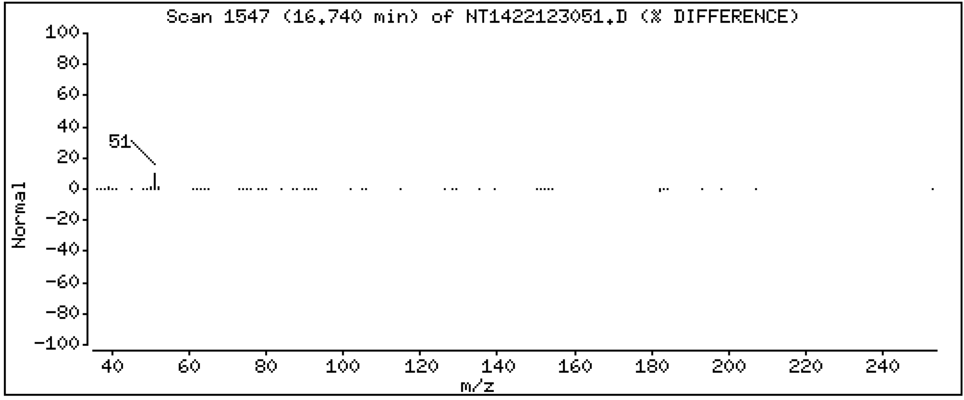
111 Azobenzene (1,2-DP-Hydrazine)

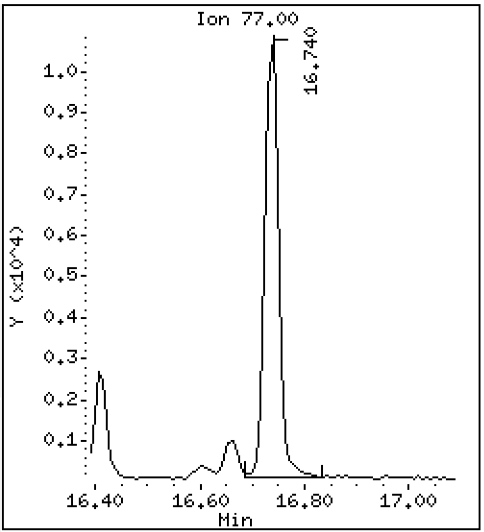
Concentration: 0.2322 ug/mL

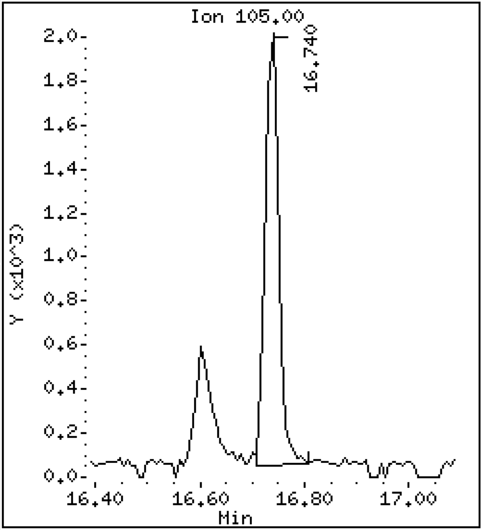


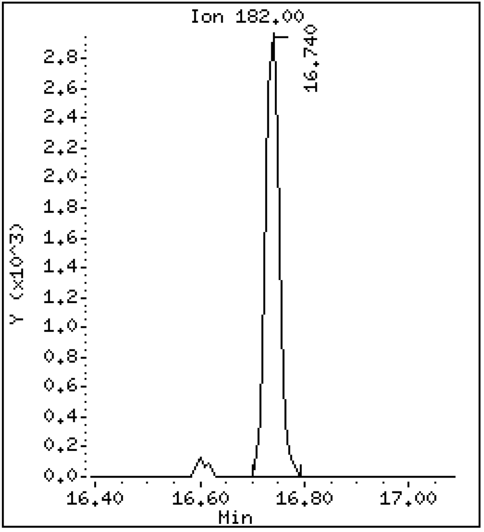












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Date : 31-DEC-2022 14:29

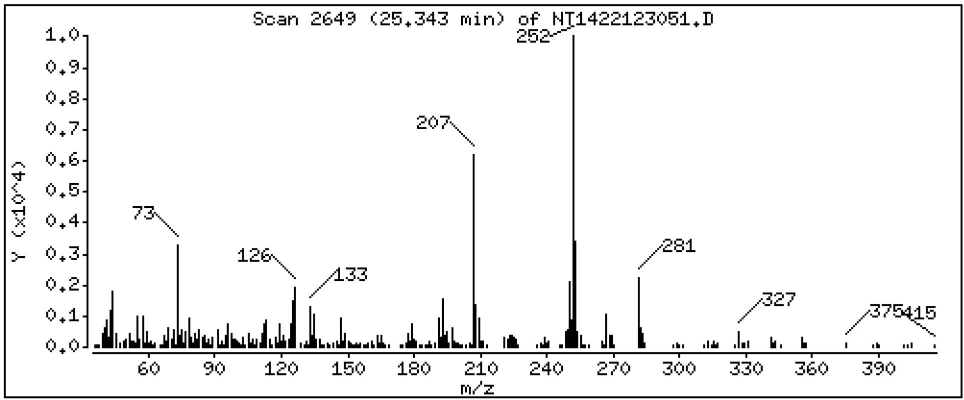
Client ID: Instrument: nt14.i

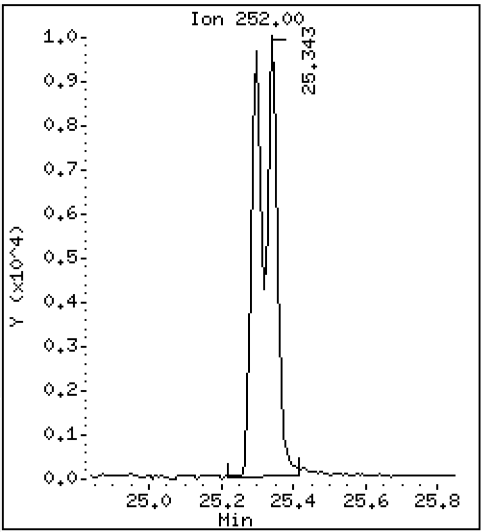
Sample Info: SKL0355-LCV1

Operator: VTS

Column phase: ZB-5msi Column diameter: 0.25

187 Total Benzofluoranthenes Concentration: 0.5087 ug/mL


Scan 2649 (25.343 min) of NT1422123051.D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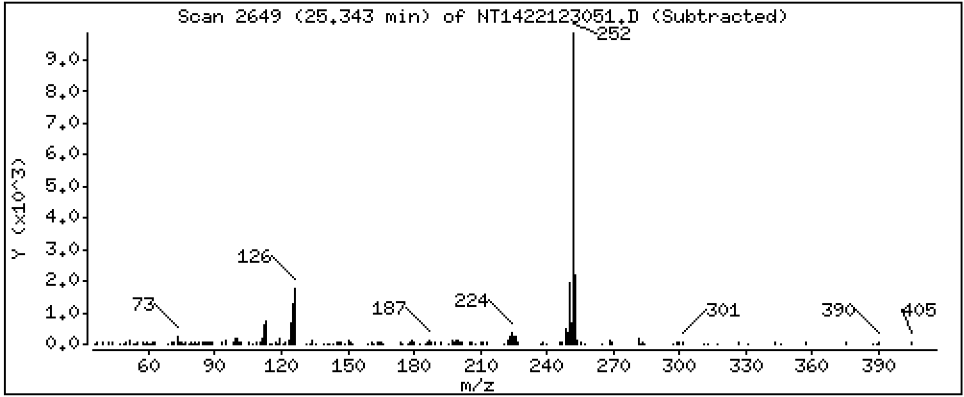
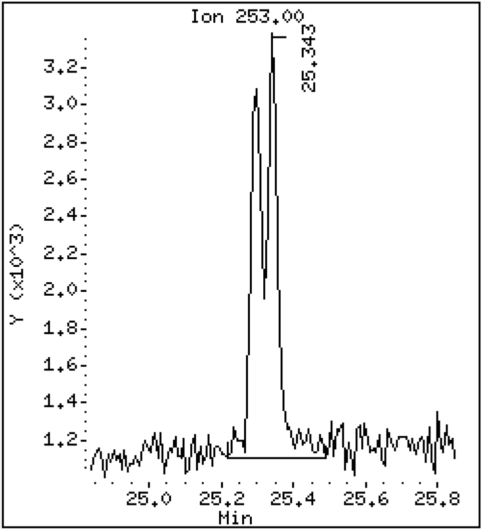

Scan 2649 (25.343 min) of NT1422123051.D (Subtracted)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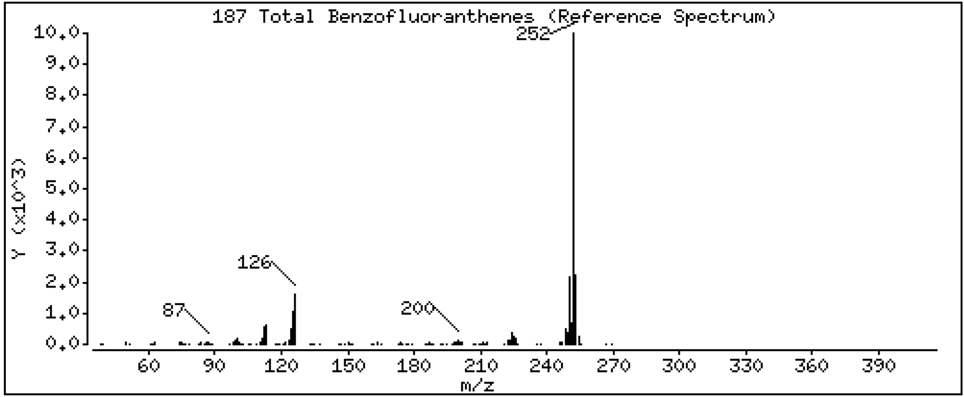
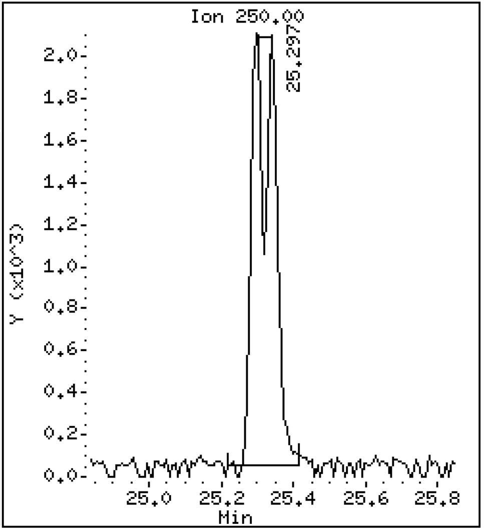

187 Total Benzofluoranthenes (Reference Spectrum)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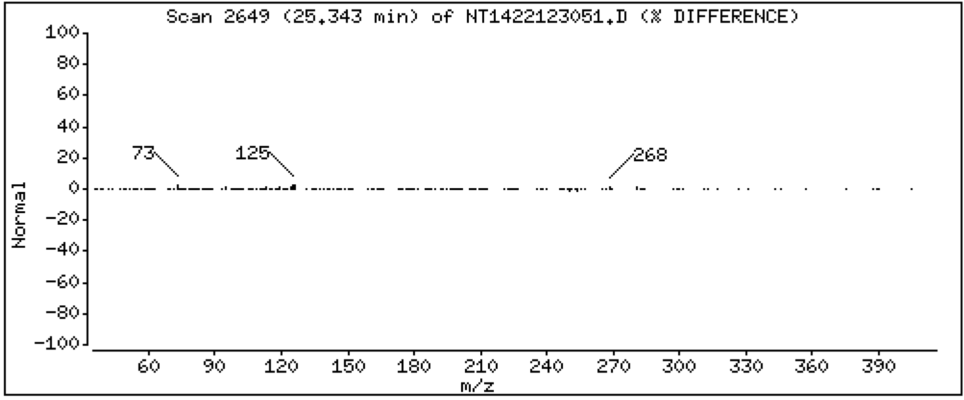

Scan 2649 (25.343 min) of NT1422123051.D (% DIFFERENCE)

Data File: \\target\share\chem3\nt14.i\20221230B.b\NT1422123051.D

Date : 31-DEC-2022 14:29

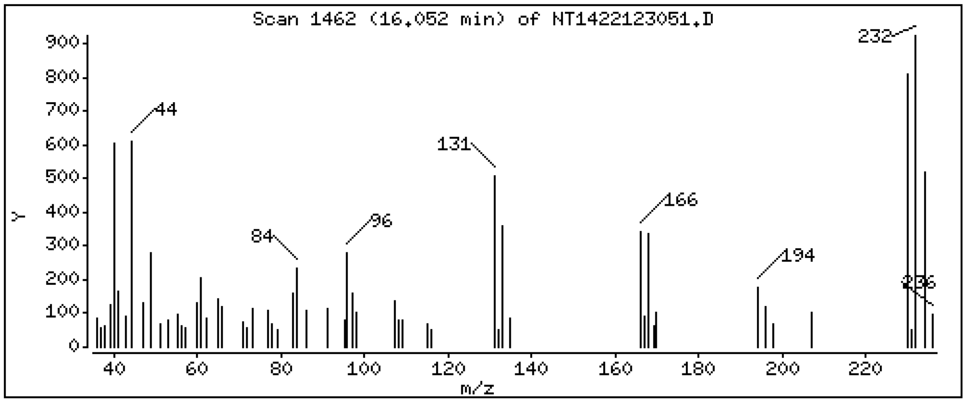
Client ID: Instrument: nt14.i

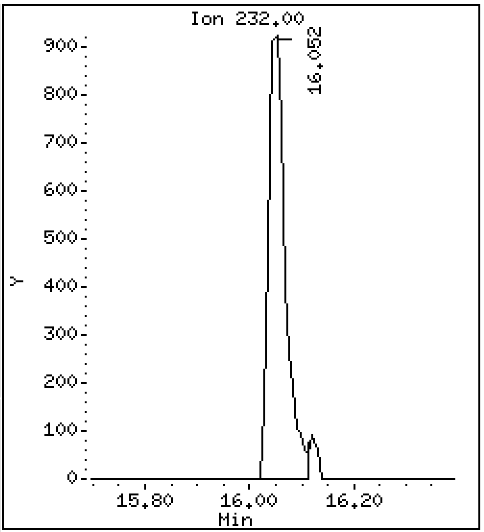
Sample Info: SKL0355-LCV1

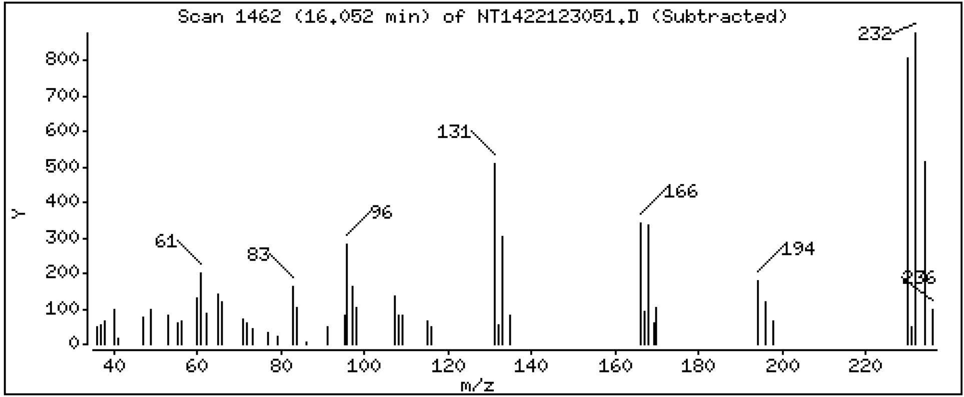
Operator: VTS

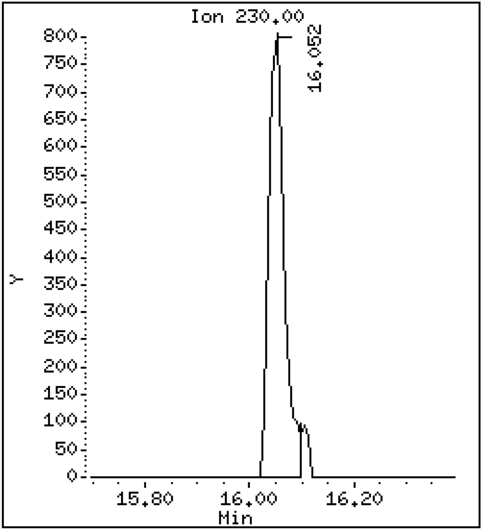
Column phase: ZB-5msi Column diameter: 0.25

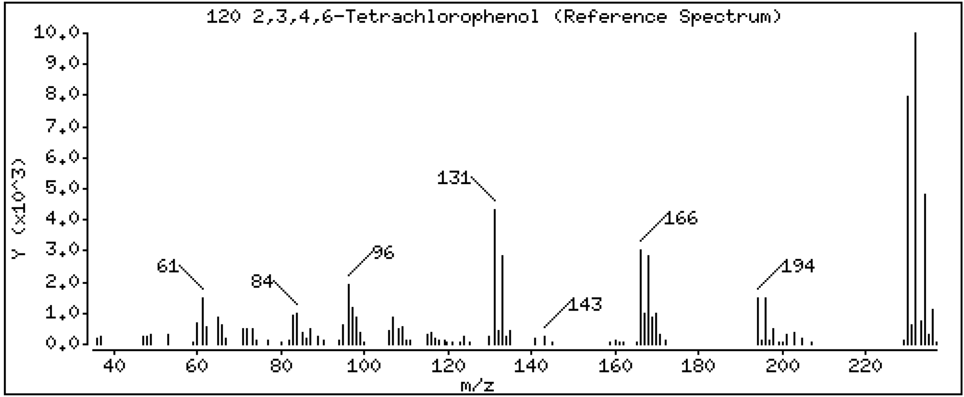
120 2,3,4,6-Tetrachlorophenol Concentration: 0.1326 ug/mL

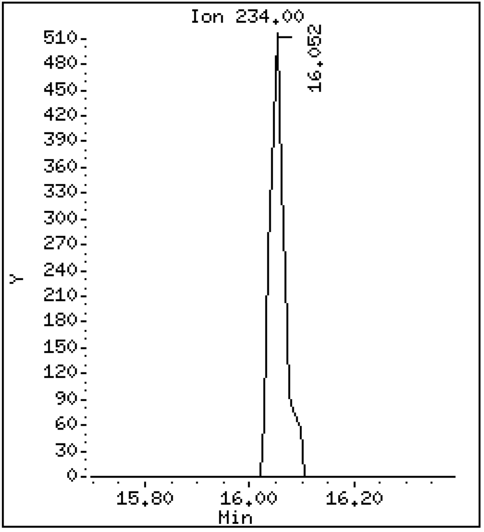


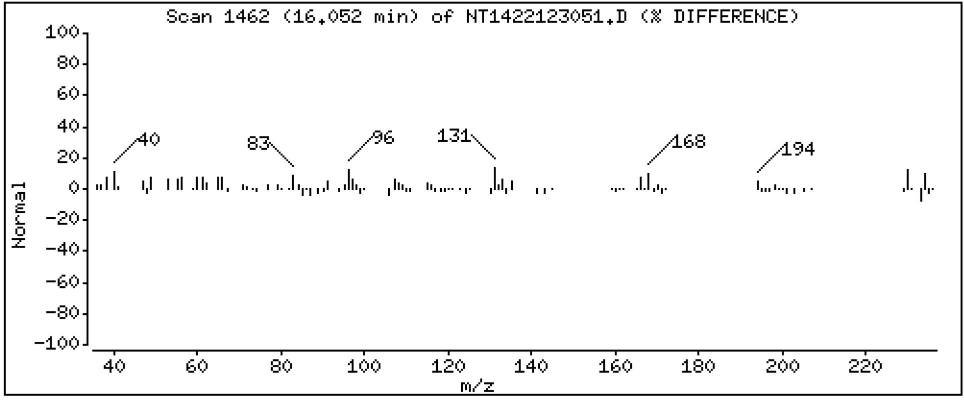












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                              ARI Labs, Inc.

                   Semivolatile Report SW846 Method 8270D
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Lab Smp Id: SKL0355-LCV1
Inj Date  : 31-DEC-2022 14:29           MS Autotune Date: 17-MAY-2011 01:22
Operator  : VTS                         Inst ID: nt14.i
Smp Info  : SKL0355-LCV1
Misc Info :
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Method    : \\target\share\chem3\nt14.i\20221230B.b\ABN.m
Meth Date : 04-Jan-2023 08:43 van       Quant Type: ISTD
Cal Date  : 30-DEC-2022 11:07           Cal File: NT1422123007.D
Als bottle: 4
Dil Factor: 1.00000
Integrator: HP RTE                      Compound Sublist: ICAL.sub
Target Version:  4.14
Processing Host: VANS-201906


                                                                                        CONCENTRATIONS
                                             QUANT SIG                               ON-COLUMN   FINAL
Compounds                                     MASS         RT    EXP RT   REL RT  RESPONSE   (ug/mL)    (ug/mL)
==========================                    ====        ==== ======== ======== ========   =======    =======
$   1 2-Fluorophenol                           112       6.927    6.927 (0.756)     12842    0.34438     0.3444
$   2 Phenol-d5                                 99       8.519    8.519 (0.929)     14155    0.30716     0.3072
    3 Phenol                                    94       8.542    8.542 (0.932)     12014    0.22943     0.2294
$   5 2-Chlorophenol-d4                        132       8.804    8.804 (0.960)     12856    0.33217     0.3322
    4 Bis(2-Chloroethyl)ether                   93       8.704    8.704 (0.949)      8623    0.23905     0.2390
    6 2-Chlorophenol                           128       8.835    8.835 (0.964)     10012    0.23554     0.2355
    7 1,3-Dichlorobenzene                      146       9.106    9.106 (0.993)     11073    0.24567     0.2457
*   8 1,4-Dichlorobenzene-d4                   152       9.168    9.168 (1.000)    116397    4.00000
    9 1,4-Dichlorobenzene                      146       9.199    9.199 (1.003)     10619    0.24869     0.2487
$  10 1,2-Dichlorobenzene-d4                   152       9.533    9.533 (1.040)      6376    0.24103     0.2410
   12 1,2-Dichlorobenzene                      146       9.556    9.564 (1.042)     10186    0.24324     0.2432
   11 Benzyl alcohol                           108       9.440    9.440 (1.030)      3783    0.16228     0.1623
   14 2,2'-oxybis(1-Chloropropane)             121       9.742    9.743 (1.063)      2715    0.22362     0.2236(M)
   13 2-Methylphenol                           108       9.665    9.665 (1.054)      8908    0.23411     0.2341
   17 Hexachloroethane                         117      10.162   10.162 (1.108)      2756    0.17549     0.1755
   16 N-Nitroso-di-n-propylamine                70       9.999    9.999 (1.091)      5117    0.22076     0.2208
   15 4-Methylphenol                           108       9.937    9.937 (1.084)      8513    0.21208     0.2121
$  18 Nitrobenzene-d5                           82      10.270   10.270 (0.880)      7699    0.21407     0.2141
   19 Nitrobenzene                              77      10.301   10.301 (0.882)      8051    0.22540     0.2254
   20 Isophorone                                82      10.759   10.759 (0.922)      8947    0.19654     0.1965
   21 2-Nitrophenol                            139      10.938   10.938 (0.937)      4423    0.20275     0.2028
   22 2,4-Dimethylphenol                       107      10.992   10.992 (0.942)     16985    0.45562     0.4556
   23 Bis(2-Chloroethoxy)methane                93      11.186   11.186 (0.958)      8349    0.23576     0.2358
   24 Benzoic acid                             105      11.139   11.201 (0.954)      3966    0.17478     0.1748(M)
   25 2,4-Dichlorophenol                       162      11.403   11.403 (0.977)     12985    0.41323     0.4132
   26 1,2,4-Trichlorobenzene                   180      11.588   11.589 (0.993)      8229    0.24219     0.2422
*  27 Naphthalene-d8                           136      11.673   11.681 (1.000)    425902    4.00000
   28 Naphthalene                              128      11.720   11.720 (1.004)     24917    0.23773     0.2377
   29 4-Chloroaniline                          127      11.843   11.843 (1.015)     17541    0.40581     0.4058
   30 Hexachlorobutadiene                      225      12.083   12.083 (1.035)      3748    0.22233     0.2223
   31 4-Chloro-3-methylphenol                  107      12.818   12.810 (1.098)     11891    0.40100     0.4010
   32 2-Methylnaphthalene                      142      13.120   13.128 (1.124)     17149    0.22305     0.2231
   33 Hexachlorocyclopentadiene                237      13.600   13.592 (0.888)       352    0.02150    0.02150
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                                                                                        CONCENTRATIONS
                                       QUANT SIG                                     ON-COLUMN    FINAL
Compounds                                MASS          RT    EXP RT   REL RT  RESPONSE   (ug/mL)     (ug/mL)
==========================               ====         ==== ======== ======== ========    =======     =======
   34 2,4,6-Trichlorophenol               196       13.754  13.747 (0.898)       6773    0.37464      0.3746
   35 2,4,5-Trichlorophenol               196       13.839  13.824 (0.904)       9005    0.43158      0.4316(M)
$  36 2-Fluorobiphenyl                    172       13.909  13.909 (0.909)      16254    0.22319      0.2232
   37 2-Chloronaphthalene                 162       14.126  14.126 (0.923)      14693    0.23716      0.2372
   38 2-Nitroaniline                       65       14.381  14.373 (0.939)       6470    0.39723      0.3972
   39 Dimethylphthalate                   163       14.807  14.807 (0.967)      13629    0.22312      0.2231
   40 Acenaphthylene                      152       15.000  15.000 (0.980)      21309    0.22558      0.2256
   41 2,6-Dinitrotoluene                  165       14.946  14.946 (0.976)       4846    0.35154      0.3515
*  42 Acenaphthene-d10                    164       15.310  15.318 (1.000)     216598    4.00000
   43 3-Nitroaniline                      138       15.232  15.233 (0.995)       5647    0.33704      0.3370
   44 Acenaphthene                        153       15.379  15.379 (1.005)      13777    0.23514      0.2351
   45 2,4-Dinitrophenol                   184       15.472  15.441 (1.011)         62    0.00530    0.005296(M)
   46 Dibenzofuran                        168       15.712  15.712 (1.026)      21128    0.24047      0.2405
   47 4-Nitrophenol                       109       15.634  15.549 (1.021)       1904    0.23747      0.2375(M)
   48 2,4-Dinitrotoluene                  165       15.758  15.758 (1.029)       5711    0.30195      0.3020
   50 Diethylphthalate                    149       16.268  16.268 (1.063)      18907    0.22772      0.2277
   49 Fluorene                            166       16.423  16.423 (1.073)      21251    0.22736      0.2274
   51 4-Chlorophenyl-phenylether          204       16.407  16.415 (1.072)       9783    0.21379      0.2138
   52 4-Nitroaniline                      138       16.523  16.508 (1.079)       6307    0.31284      0.3128
   53 4,6-Dinitro-2-methylphenol          198       16.600  16.608 (0.904)       2946    0.20197      0.2020
   54 N-Nitrosodiphenylamine              169       16.662  16.662 (0.907)      14446    0.24221      0.2422
$  55 2,4,6-Tribromophenol                330       16.963  16.963 (1.108)       2148    0.21169      0.2117(M)
   56 4-Bromophenyl-phenylether           248       17.418  17.418 (0.949)       5136    0.22742      0.2274
   57 Hexachlorobenzene                   284       17.742  17.742 (0.966)       5677    0.22906      0.2291
   58 Pentachlorophenol                   266       18.114  18.098 (0.987)        823    0.07669     0.07669(M)
*  59 Phenanthrene-d10                    188       18.361  18.369 (1.000)     347572    4.00000
   60 Phenanthrene                        178       18.408  18.415 (1.003)      21884    0.24149      0.2415
   61 Anthracene                          178       18.508  18.508 (1.008)      18882    0.21826      0.2183
   62 Carbazole                           167       18.841  18.833 (1.026)      18183    0.21741      0.2174
   63 Di-n-butylphthalate                 149       19.622  19.622 (1.069)      17991    0.19057      0.1906
   64 Fluoranthene                        202       20.798  20.798 (0.889)      21465    0.23077      0.2308
   65 Pyrene                              202       21.224  21.224 (0.907)      21631    0.22118      0.2212
$  66 Terphenyl-d14                       244       21.495  21.495 (0.918)      15087    0.21757      0.2176
   67 Butylbenzylphthalate                149       22.408  22.416 (0.957)       7672    0.20800      0.2080
   68 Benzo(a)anthracene                  228       23.376  23.376 (0.999)      21137    0.24154      0.2415
*  69 Chrysene-d12                        240       23.407  23.407 (1.000)     288877    4.00000
   70 3,3'-Dichlorobenzidine              252       23.330  23.330 (0.997)      18651    0.69622      0.6962
   71 Chrysene                            228       23.446  23.454 (1.002)      19952    0.24137      0.2414
   72 bis(2-Ethylhexyl)phthalate          149       23.430  23.438 (0.959)      10512    0.21854      0.2185
* 134 Di-n-octylphthalate-d4              153       24.429  24.429 (1.000)     433122    4.00000
   73 Di-n-octylphthalate                 149       24.437  24.437 (1.000)      25154    0.24194      0.2419
   74 Benzo(b)fluoranthene                252       25.296  25.304 (0.969)      19147    0.24594      0.2459
   75 Benzo(k)fluoranthene                252       25.343  25.343 (0.971)      20195    0.25486      0.2549
   76 Benzo(a)pyrene                      252       25.978  25.978 (0.996)      15635    0.24158      0.2416
*  77 Perylene-d12                        264       26.094  26.094 (1.000)     247727    4.00000
   78 Indeno(1,2,3-cd)pyrene              276       28.861  28.854 (1.106)      10497    0.14268      0.1427
   79 Dibenzo(a,h)anthracene              278       28.869  28.861 (1.106)       9359    0.14970      0.1497
   80 Benzo(g,h,i)perylene                276       29.685  29.669 (1.138)       7577    0.12294      0.1229
   90 N-Nitrosodimethylamine               74        4.726   4.726 (0.516)      12751    0.49649      0.4965
   91 Aniline                              93        8.611   8.619 (0.939)      24033    0.47136      0.4714
   93 Benzidine                           184       21.030  21.015 (0.898)      12279    0.34708      0.3471
  103 Pyridine                             79        4.780   4.757 (0.521)      19811    0.24276      0.2428
  105 1-methylnaphthalene                 142       13.344  13.352 (1.143)      17117    0.23171      0.2317
  111 Azobenzene (1,2-DP-Hydrazine)        77       16.739  16.739 (1.093)      18676    0.23219      0.2322
```

```
                                                                                          CONCENTRATIONS
                                      QUANT SIG                                         ON-COLUMN    FINAL
Compounds                               MASS          RT    EXP RT   REL RT  RESPONSE    (ug/mL)    (ug/mL)
==========================              ====         ==== ======== ======== ========    =======    =======
  187 Total Benzofluoranthenes           252       25.343  25.343 (0.971)     38292    0.50874     0.5087
  120 2,3,4,6-Tetrachlorophenol          232       16.052  16.044 (1.048)      2022    0.13261     0.1326
```

QC Flag Legend

M - Compound response manually integrated.

Data File: \\target\share\chem3\nt14.i\20221230B.b\NT1422123051.D Page 1
Report Date: 04-Jan-2023 12:20

ARI Labs, Inc.

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: nt14.i
Lab File ID: NT1422123051.D
Lab Smp Id: SKL0355-LCV1
Analysis Type: SV
Quant Type: ISTD
Operator: VTS
Method File: \\target\share\chem3\nt14.i\20221230B.b\ABN.m
Misc Info:

Calibration Date: 31-DEC-2022
Calibration Time: 13:17
Level:
Sample Type:

Test Mode:
Use Last Continuing Calibrator.

COMPOUND	STANDARD	AREA LIMIT LOWER	AREA LIMIT UPPER	SAMPLE	%DIFF
8 1,4-Dichlorobenze	134439	67220	268878	116397	-13.42
27 Naphthalene-d8	492388	246194	984776	425902	-13.50
42 Acenaphthene-d10	270679	135340	541358	216598	-19.98
59 Phenanthrene-d10	429616	214808	859232	347572	-19.10
69 Chrysene-d12	376030	188015	752060	288877	-23.18
134 Di-n-octylphthala	634628	317314	1269256	433122	-31.75
77 Perylene-d12	336225	168113	672450	247727	-26.32

COMPOUND	STANDARD	RT LIMIT LOWER	RT LIMIT UPPER	SAMPLE	%DIFF
8 1,4-Dichlorobenze	9.17	8.67	9.67	9.17	-0.00
27 Naphthalene-d8	11.68	11.18	12.18	11.67	-0.07
42 Acenaphthene-d10	15.32	14.82	15.82	15.31	-0.05
59 Phenanthrene-d10	18.37	17.87	18.87	18.36	-0.04
69 Chrysene-d12	23.41	22.91	23.91	23.41	-0.00
134 Di-n-octylphthala	24.43	23.93	24.93	24.43	-0.00
77 Perylene-d12	26.09	25.59	26.59	26.09	-0.00

AREA UPPER LIMIT = +100% of internal standard area.
AREA LOWER LIMIT = - 50% of internal standard area.
RT UPPER LIMIT = + 0.50 minutes of internal standard RT.
RT LOWER LIMIT = - 0.50 minutes of internal standard RT.

```
REVIEW SUMMARY FOR FILE - NT1422123051.D

Lab ID: SKL0355-LCV1
nt14.i,  20221230B.b\ABN.m,    31-DEC-2022 14:29

     RT      CO-ELUTION COMPOUNDS
---------------------------------------------------------------------------

            NO CO-ELUTIONS


Quant Method: ICAL



        RRT CHECK

   RRT    CCV RRT   DELTA    COMPOUND
 -------------------------------------

  1.021    1.015    0.0061   4-Nitrophenol

  RRT check based on Ccal File: NT1422123049.D

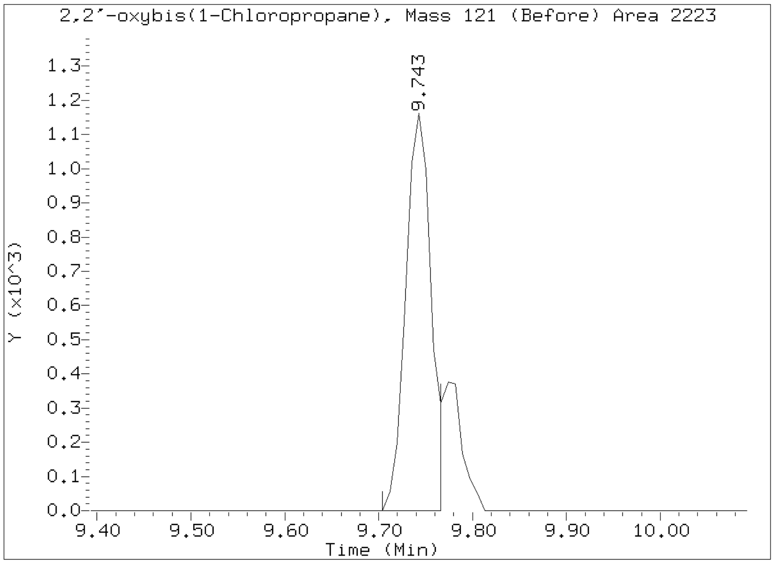

 On Column LOD for nt14.i, 20221230B.b\ABN.m, ICAL.sub = 0.0000

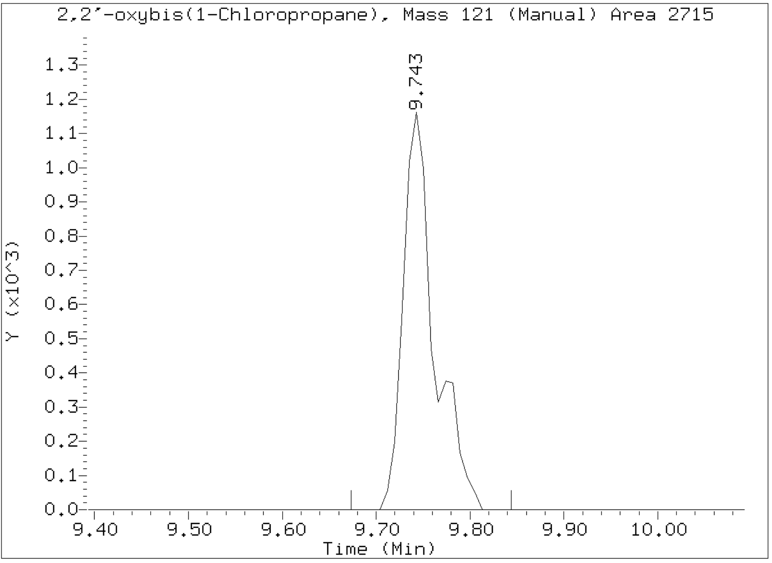

 * Only compounds listed in the work order have been verified by the analyst *
```

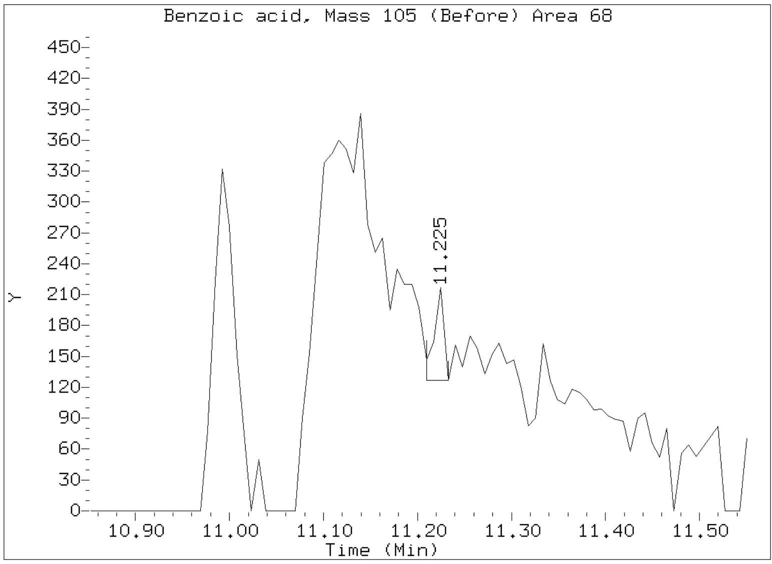
Quant Ion Manual Peak Adjustment Report

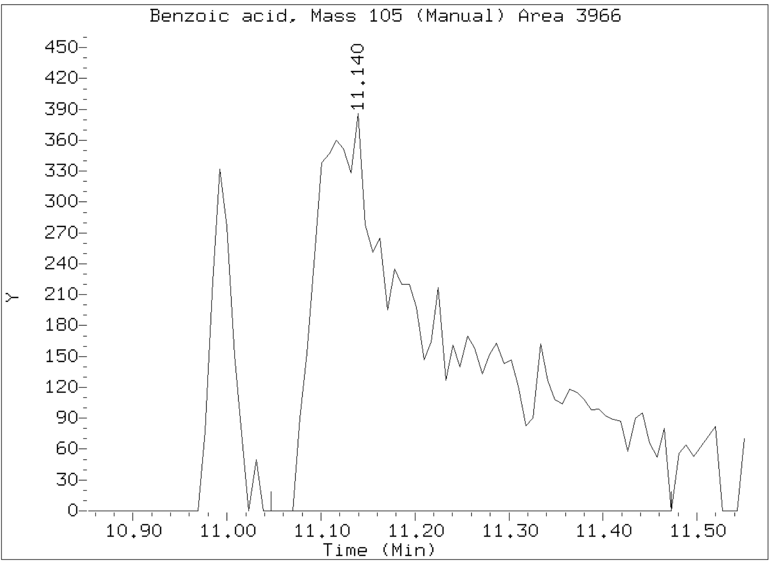
Datafile: //target/share/chem3/nt14.i/20221230B.b/NT1422123051.D
Injection Date: 31-DEC-2022 14:29
Lab ID:SKL0355-LCV1 Client ID:
Report Date: 01/04/2023 12:20

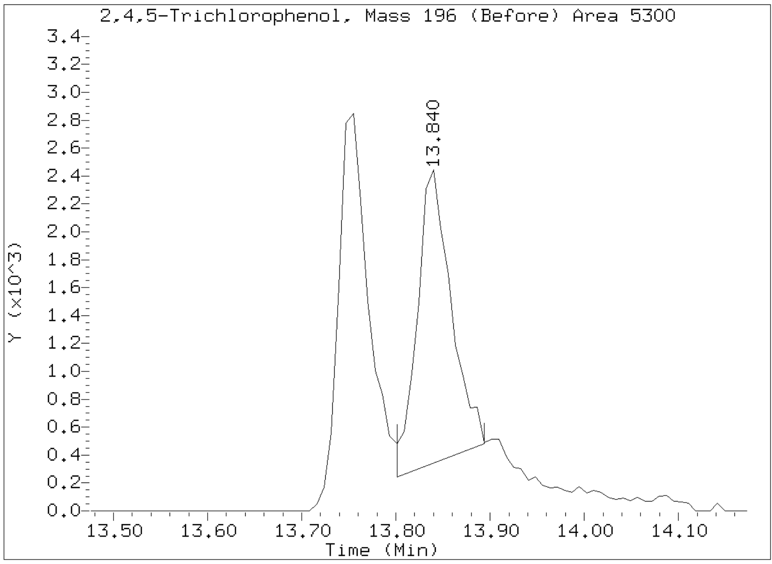
REVIEWED
By Brian Bebee
01/07/2023 @ 06:32 PM

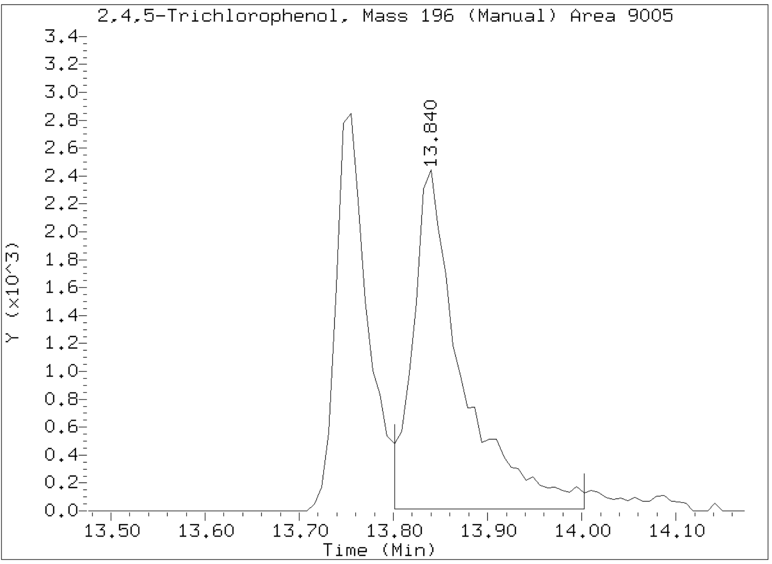

2,2'-oxybis(1-Chloropropane), Mass 121 (Before) Area 2223


2,2'-oxybis(1-Chloropropane), Mass 121 (Manual) Area 2715


Benzoic acid, Mass 105 (Before) Area 68


Benzoic acid, Mass 105 (Manual) Area 3966

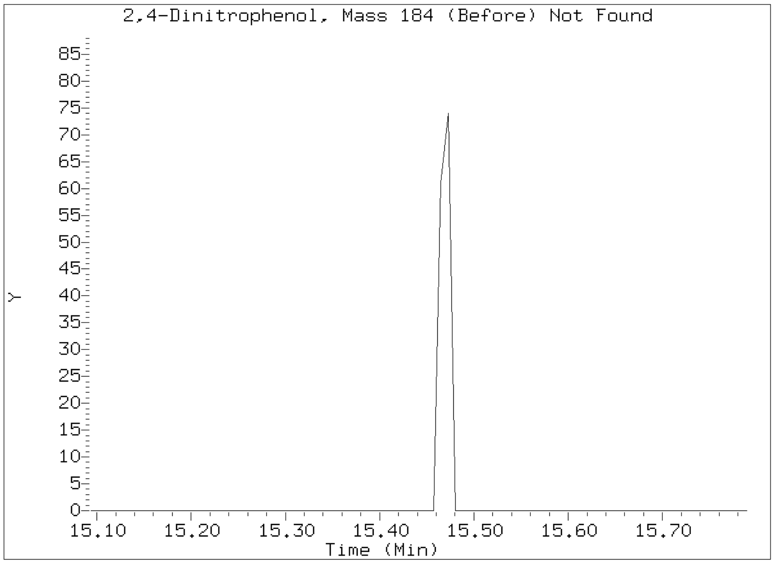

2,4,5-Trichlorophenol, Mass 196 (Before) Area 5300

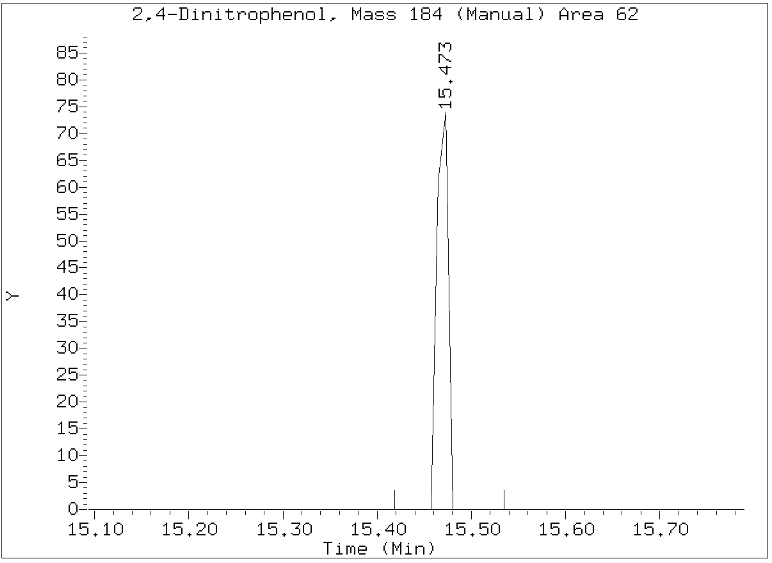

2,4,5-Trichlorophenol, Mass 196 (Manual) Area 9005

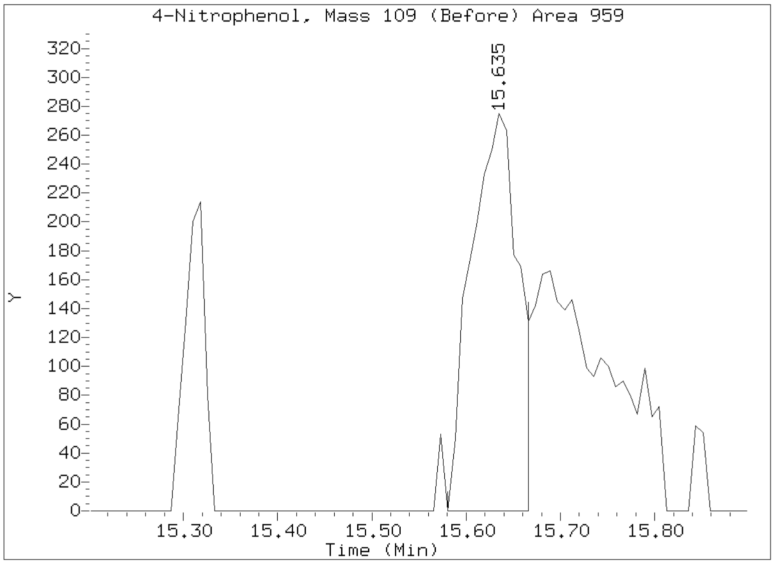
Quant Ion Manual Peak Adjustment Report

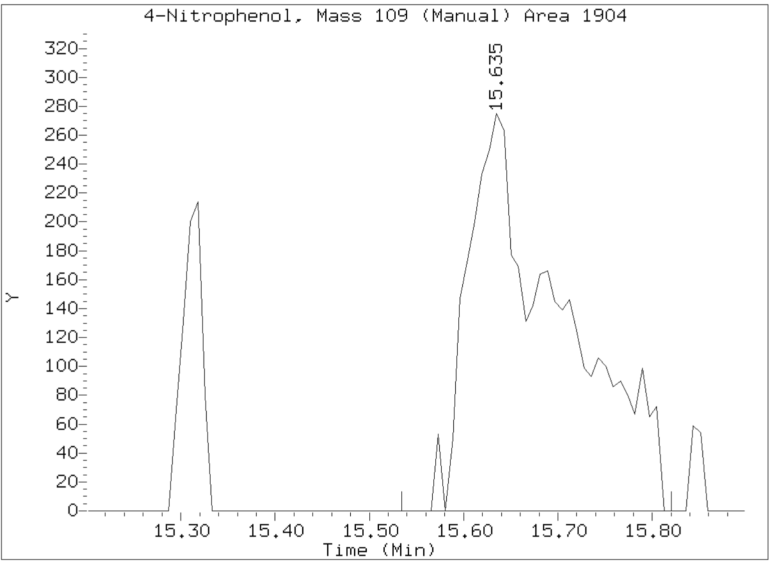
Datafile: //target/share/chem3/nt14.i/20221230B.b/NT1422123051.D
Injection Date: 31-DEC-2022 14:29
Lab ID:SKL0355-LCV1 Client ID:
Report Date: 01/04/2023 12:20

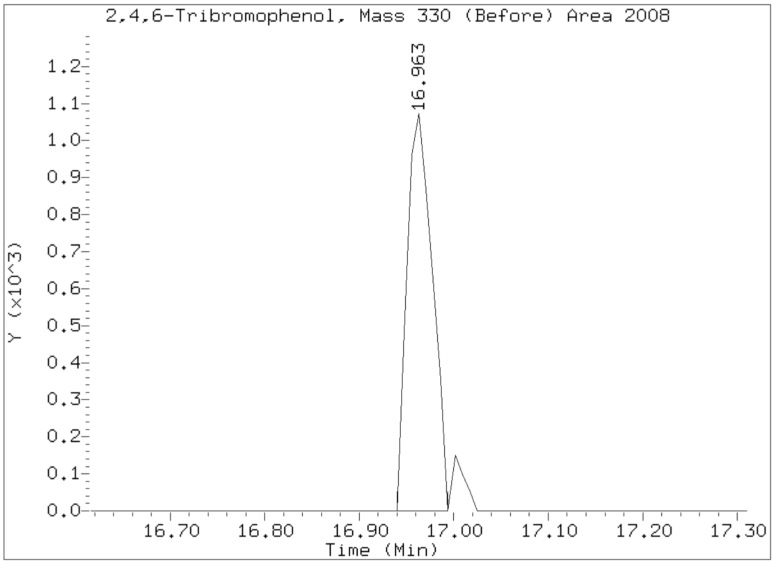
REVIEWED
By Brian Bebee
01/07/2023 @ 06:32 PM

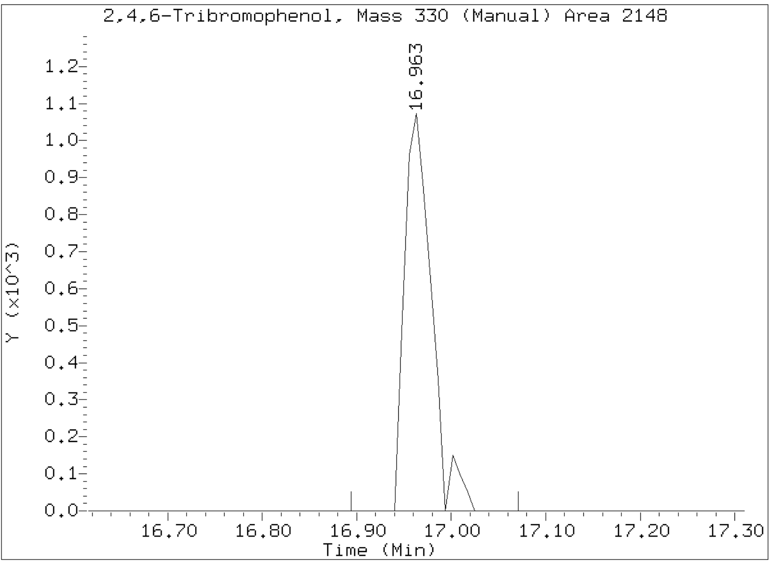

2,4-Dinitrophenol, Mass 184 (Before) Not Found


2,4-Dinitrophenol, Mass 184 (Manual) Area 62


4-Nitrophenol, Mass 109 (Before) Area 959


4-Nitrophenol, Mass 109 (Manual) Area 1904

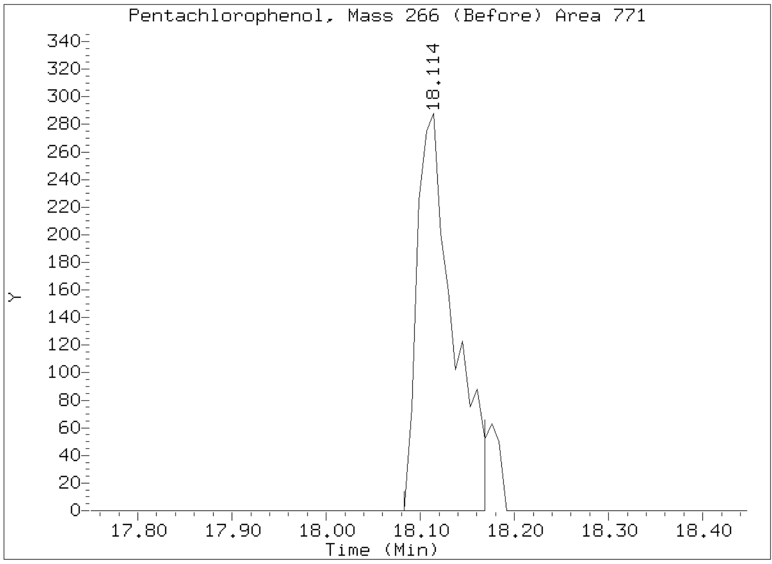

2,4,6-Tribromophenol, Mass 330 (Before) Area 2008

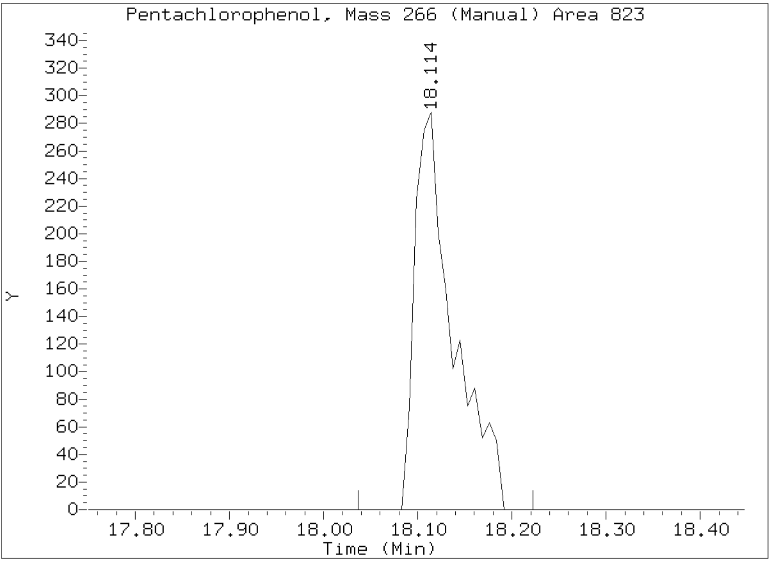

2,4,6-Tribromophenol, Mass 330 (Manual) Area 2148

Quant Ion Manual Peak Adjustment Report

Datafile: //target/share/chem3/nt14.i/20221230B.b/NT1422123051.D
Injection Date: 31-DEC-2022 14:29
Lab ID:SKL0355-LCV1 Client ID:
Report Date: 01/04/2023 12:20

REVIEWED
By Brian Bebee
01/07/2023 @ 06:32 PM





Analytical Resources, LLC
Analytical Chemists and Consultants

LOW-CONCENTRATION
CONTINUING CALIBRATION CHECK
EPA 8270E

Laboratory:	Analytical Resources, LLC	SDG:	22L0307
Client:	Anchor QEA, LLC	Project:	AOC4 UR Phase 3
Instrument ID:	NT14	Calibration:	FL00066
Lab File ID:	NT1422123052.D	Calibration Date:	12/30/2022
Sequence:	SKL0355	Injection Date:	12/31/22
Lab Sample ID:	SKL0355-LCV2	Injection Time:	15:05
Sequence Name:	ABN 0.5		

		CONC. (ug/mL)		RESPONSE FACTOR (RRF)			% DRIFT/DIFF	
COMPOUND	TYPE	STD	CCV	ICAL	CCV	MIN	CCV	LIMIT
Phenol	A	0.50000	0.5	1.7995200	1.7325950		-3.7	+/-50
bis(2-chloroethyl) ether	A	0.50000	0.5	1.2396270	1.2028800		-3.0	+/-50
2-Chlorophenol	A	0.50000	0.5	1.4607190	1.4773280		1.1	+/-50
1,3-Dichlorobenzene	A	0.50000	0.5	1.5489360	1.5328030		-1.0	+/-50
1,4-Dichlorobenzene	A	0.50000	0.5	1.4674070	1.4452280		-1.5	+/-50
1,2-Dichlorobenzene	A	0.50000	0.5	1.4391100	1.3937480		-3.2	+/-50
Benzyl Alcohol	A	0.50000	0.4	0.8011083	0.6069011		-24.2	+/-50
2,2'-Oxybis(1-chloropropane)	A	0.50000	0.5	0.4172325	0.3849990		-7.7	+/-50
2-Methylphenol	A	0.50000	0.5	1.3076140	1.2638830		-3.3	+/-50
Hexachloroethane	A	0.50000	0.4	0.5396966	0.4023809		-25.4	+/-50
N-Nitroso-di-n-Propylamine	A	0.50000	0.5	0.7965591	0.7414943		-6.9	+/-50
4-Methylphenol	A	0.50000	0.5	1.3794240	1.3097020		-5.1	+/-50
Nitrobenzene	A	0.50000	0.5	0.3354574	0.3113681		-7.2	+/-50
Isophorone	A	0.50000	0.4	0.4275424	0.3691814		-13.7	+/-50
2-Nitrophenol	A	0.50000	0.5	0.2064997	0.1872995		-8.8	+/-50
2,4-Dimethylphenol	A	1.0000	1.0	0.3501131	0.3459800		-1.2	+/-50
Bis(2-Chloroethoxy)methane	A	0.50000	0.5	0.3325989	0.3219622		-3.2	+/-50
2,4-Dichlorophenol	A	1.0000	1.0	0.2951237	0.2928144		-0.8	+/-50
1,2,4-Trichlorobenzene	A	0.50000	0.5	0.3191088	0.3073790		-3.7	+/-50
Naphthalene	A	0.50000	0.5	0.9843833	0.9536598		-3.1	+/-50
Benzoic acid	A	2.0000	0.3	0.1508906	0.0352427		-83.5	+/-50
4-Chloroaniline	A	1.0000	0.9	0.4059568	0.3530953		-13.0	+/-50
Hexachlorobutadiene	A	0.50000	0.5	0.1583286	0.1491346		-5.8	+/-50
4-Chloro-3-Methylphenol	A	1.0000	1.0	0.2785027	0.2652529		-4.8	+/-50
2-Methylnaphthalene	A	0.50000	0.5	0.7220739	0.6753359		-6.5	+/-50
Hexachlorocyclopentadiene	A	1.0000	0.1	0.3023695	0.0324758		-89.3	+/-50
2,4,6-Trichlorophenol	A	1.0000	0.9	0.3338641	0.2972496		-11.0	+/-50
2,4,5-Trichlorophenol	A	1.0000	0.9	0.3853234	0.3465413		-10.1	+/-50
2-Chloronaphthalene	A	0.50000	0.5	1.1441150	1.1170750		-2.4	+/-50
2-Nitroaniline	A	1.0000	0.9	0.3007956	0.2768032		-8.0	+/-50
Acenaphthylene	A	0.50000	0.5	1.7445240	1.8565410		6.4	+/-50
Dimethylphthalate	A	0.50000	0.5	1.1280520	1.0504970		-6.9	+/-50
2,6-Dinitrotoluene	A	1.0000	0.9	0.2545771	0.2167644		-14.9	+/-50
Acenaphthene	A	0.50000	0.5	1.0820160	1.0745560		-0.7	+/-50

* Values outside of QC limits

LOW-CONCENTRATION
CONTINUING CALIBRATION CHECK
EPA 8270E

Laboratory:	Analytical Resources, LLC	SDG:	22L0307
Client:	Anchor QEA, LLC	Project:	AOC4 UR Phase 3
Instrument ID:	NT14	Calibration:	FL00066
Lab File ID:	NT1422123052.D	Calibration Date:	12/30/2022
Sequence:	SKL0355	Injection Date:	12/31/22
Lab Sample ID:	SKL0355-LCV2	Injection Time:	15:05
Sequence Name:	ABN 0.5		

		CONC. (ug/mL)		RESPONSE FACTOR (RRF)			% DRIFT/DIFF	
COMPOUND	TYPE	STD	CCV	ICAL	CCV	MIN	CCV	LIMIT
3-Nitroaniline	A	1.0000	0.8	0.3094189	0.2476688		-20.0	+/-50
2,4-Dinitrophenol	A	2.0000	0.1	0.1831718	0.0156780		-92.8	+/-50
Dibenzofuran	A	0.50000	0.5	1.6225950	1.5989740		-1.5	+/-50
4-Nitrophenol	A	1.0000	0.6	0.1384031	0.0959645		-35.2	+/-50
2,4-Dinitrotoluene	A	1.0000	0.8	0.3492859	0.2720167		-22.1	+/-50
Fluorene	A	0.50000	0.5	1.7261350	1.6695970		-3.3	+/-50
4-Chlorophenylphenyl ether	A	0.50000	0.5	0.8450792	0.7748683		-8.3	+/-50
Diethyl phthalate	A	0.50000	0.5	1.5332690	1.6478860		7.5	+/-50
4-Nitroaniline	A	1.0000	0.8	0.3413732	0.2954253		-20.7	+/-50
4,6-Dinitro-2-methylphenol	A	2.0000	0.8	0.1530278	0.0635845		-62.2	+/-50
N-Nitrosodiphenylamine	A	0.50000	0.5	0.6863845	0.7018379		2.3	+/-50
4-Bromophenyl phenyl ether	A	0.50000	0.5	0.2599074	0.2548545		-1.9	+/-50
Hexachlorobenzene	A	0.50000	0.5	0.2852204	0.2795359		-2.0	+/-50
Pentachlorophenol	A	1.0000	0.2	0.1128364	0.0278031		-77.5	+/-50
Phenanthrene	A	0.50000	0.5	1.0429190	1.0191030		-2.3	+/-50
Anthracene	A	0.50000	0.5	0.9956202	0.9325724		-6.3	+/-50
Carbazole	A	0.50000	0.5	0.9624945	0.8870049		-7.8	+/-50
Di-n-Butylphthalate	A	0.50000	0.4	1.0394700	0.9331563		-14.3	+/-50
Fluoranthene	A	0.50000	0.5	1.2879410	1.1960540		-7.1	+/-50
Pyrene	A	0.50000	0.5	1.3541610	1.2671330		-6.4	+/-50
Butylbenzylphthalate	A	0.50000	0.4	0.4650792	0.4535222		-11.3	+/-50
Benzo(a)anthracene	A	0.50000	0.5	1.2117210	1.1750560		-3.0	+/-50
3,3'-Dichlorobenzidine	A	1.5000	1.5	0.3709370	0.3656682		-1.4	+/-50
Chrysene	A	0.50000	0.5	1.1445730	1.1213670		-2.0	+/-50
bis(2-Ethylhexyl)phthalate	A	0.50000	0.5	0.4442323	0.4179763		-5.9	+/-50
Di-n-Octylphthalate	A	0.50000	0.5	0.9601702	0.9369664		-2.4	+/-50
Benzofluoranthenes, Total	A	1.0000	1.0	1.2153330	1.2422410		2.2	+/-50
Benzo(a)pyrene	A	0.50000	0.5	1.0450150	1.0482420		0.3	+/-50
Indeno(1,2,3-cd)pyrene	A	0.50000	0.3	1.1879490	0.7686082		-35.3	+/-50
Dibenzo(a,h)anthracene	A	0.50000	0.3	1.0094890	0.6655969		-34.1	+/-50
Benzo(g,h,i)perylene	A	0.50000	0.3	0.9951726	0.5323711		-46.5	+/-50
1-Methylnaphthalene	A	0.50000	0.5	0.6937882	0.6611238		-4.7	+/-50
2-Fluorophenol	A	0.75000	0.711	1.2814900	1.2153120		-5.2	+/-50
Phenol-d5	A	0.75000	0.658	1.5836890	1.3889980		-12.3	+/-50

* Values outside of QC limits

LOW-CONCENTRATION
CONTINUING CALIBRATION CHECK
EPA 8270E

Laboratory:	Analytical Resources, LLC	SDG:	22L0307
Client:	Anchor QEA, LLC	Project:	AOC4 UR Phase 3
Instrument ID:	NT14	Calibration:	FL00066
Lab File ID:	NT1422123052.D	Calibration Date:	12/30/2022
Sequence:	SKL0355	Injection Date:	12/31/22
Lab Sample ID:	SKL0355-LCV2	Injection Time:	15:05
Sequence Name:	ABN 0.5		

		CONC. (ug/mL)		RESPONSE FACTOR (RRF)			% DRIFT/DIFF	
COMPOUND	TYPE	STD	CCV	ICAL	CCV	MIN	CCV	LIMIT
2-Chlorophenol-d4	A	0.75000	0.686	1.3300510	1.2163330		-8.5	+/-50
1,2-Dichlorobenzene-d4	A	0.50000	0.471	0.9090592	0.8557086		-5.9	+/-50
Nitrobenzene-d5	A	0.50000	0.460	0.3377760	0.3106074		-8.0	+/-50
2-Fluorobiphenyl	A	0.50000	0.474	1.3448860	1.2758050		-5.1	+/-50
2,4,6-Tribromophenol	A	0.75000	0.536	0.1844845	0.1341178		-28.6	+/-50
p-Terphenyl-d14	A	0.50000	0.454	0.9601842	0.8718034		-9.2	+/-50

* Values outside of QC limits

Data File: \\target\share\chem3\nt14.i\20221230B.b\NT1422123052.D

Page 1

Date : 31-DEC-2022 15:05

Client ID:

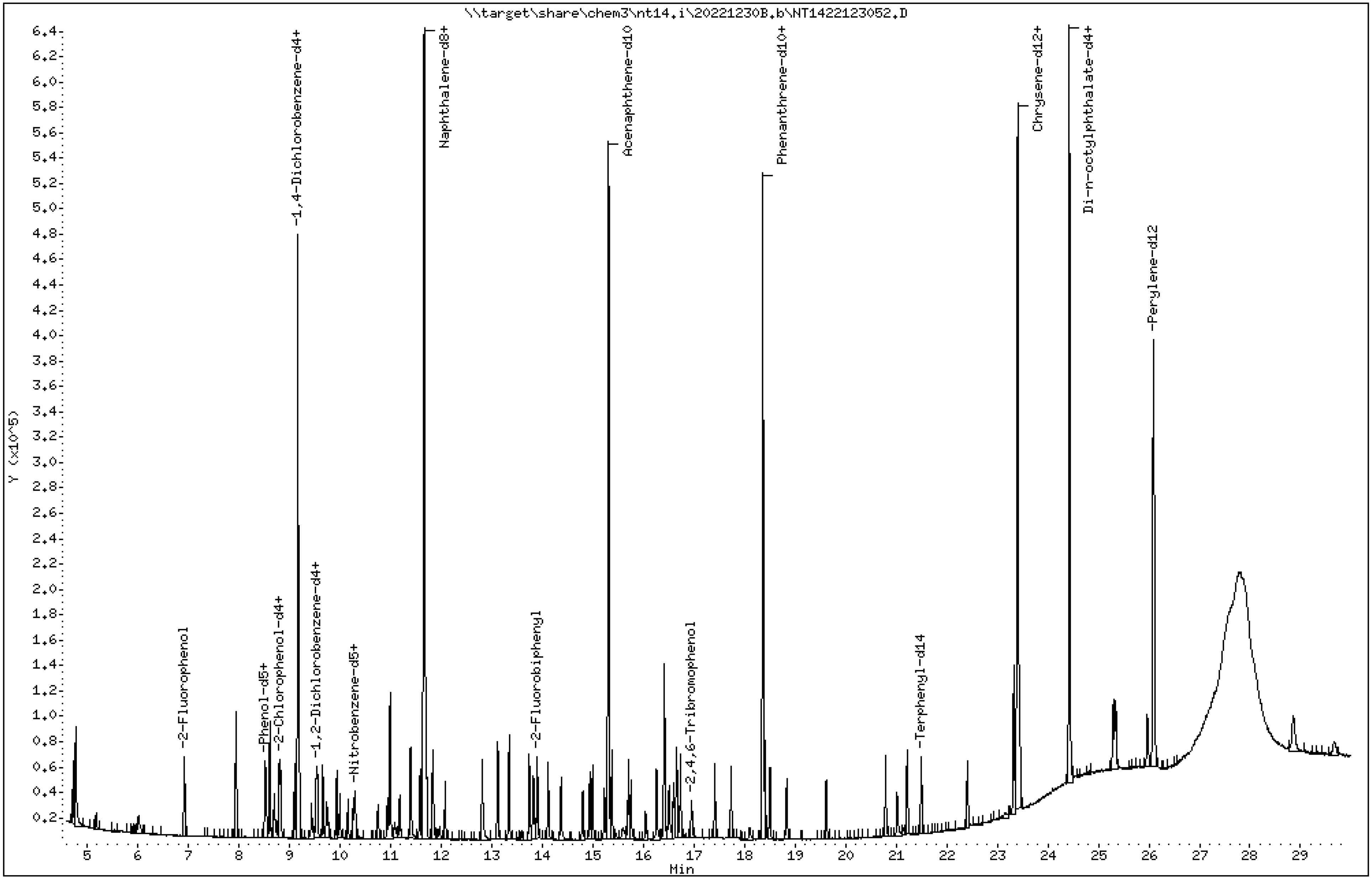
Instrument: nt14.i

Sample Info: SKL0356-LCV2

Operator: VTS

Column phase: ZB-5msi

Column diameter: 0.25



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Date : 31-DEC-2022 15:05

Client ID:

Instrument: nt14.i

Sample Info: SKL0356-LCV2

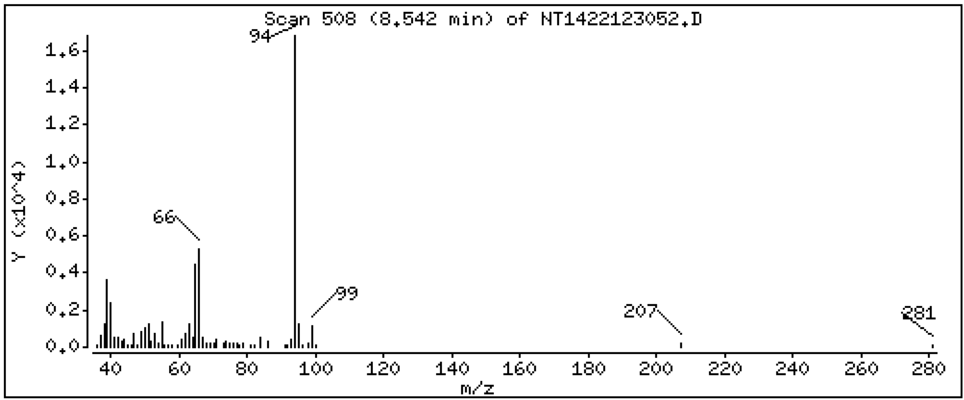
Operator: VTS

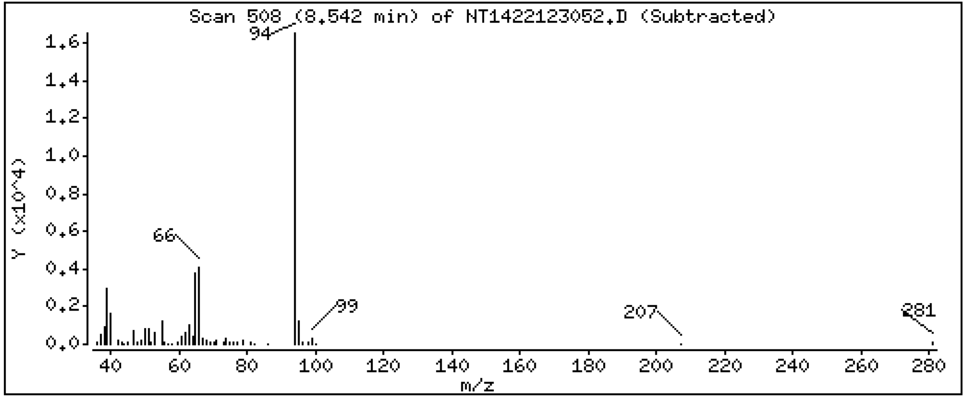
Column phase: ZB-5msi

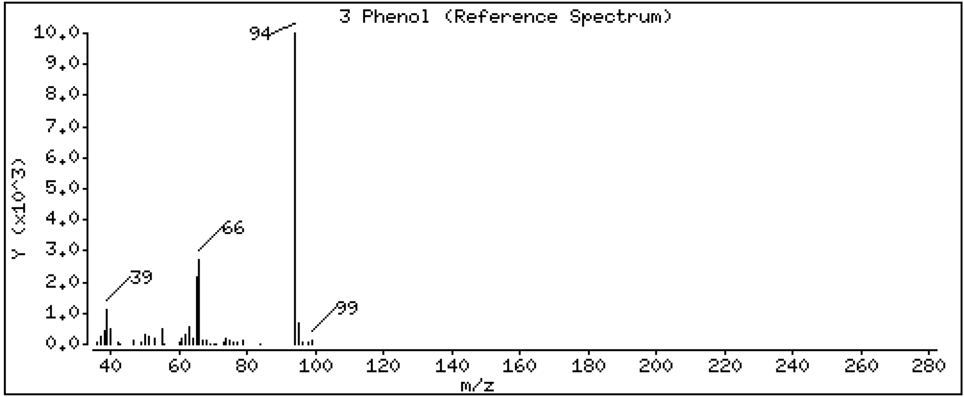
Column diameter: 0.25

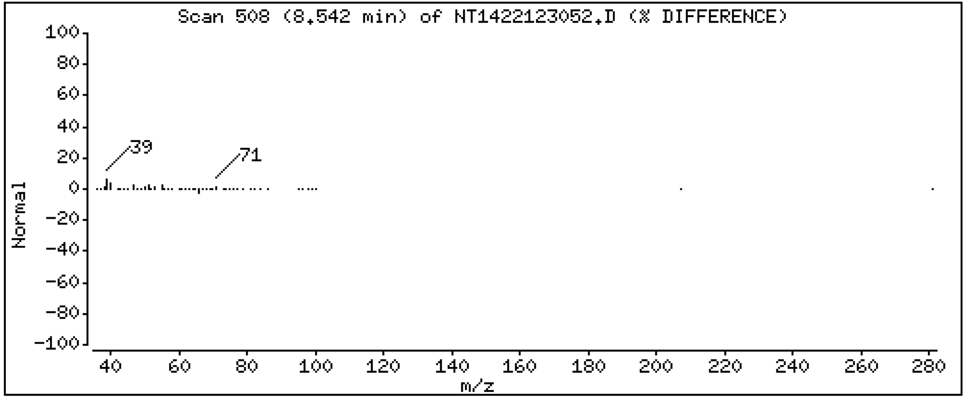
3 Phenol

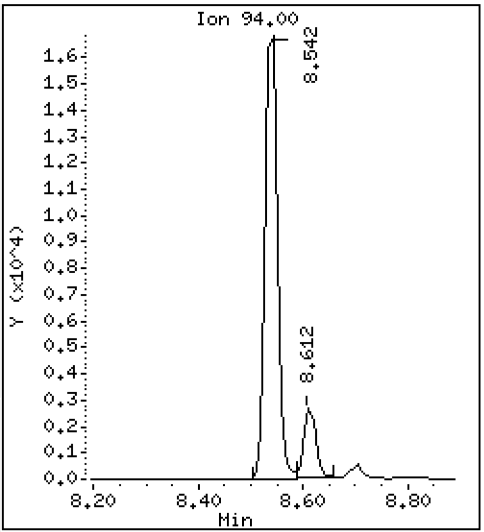
Concentration: 0.4814 ug/mL

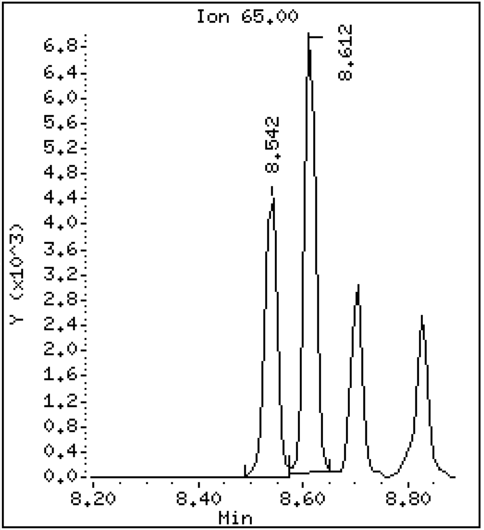


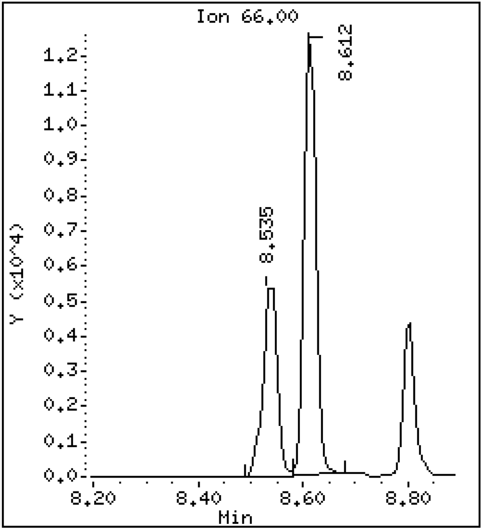












Data File: \\target\share\chem3\nt14.i\20221230B.b\NT1422123052.D

Date : 31-DEC-2022 15:05

Client ID:

Instrument: nt14.i

Sample Info: SKL0356-LCV2

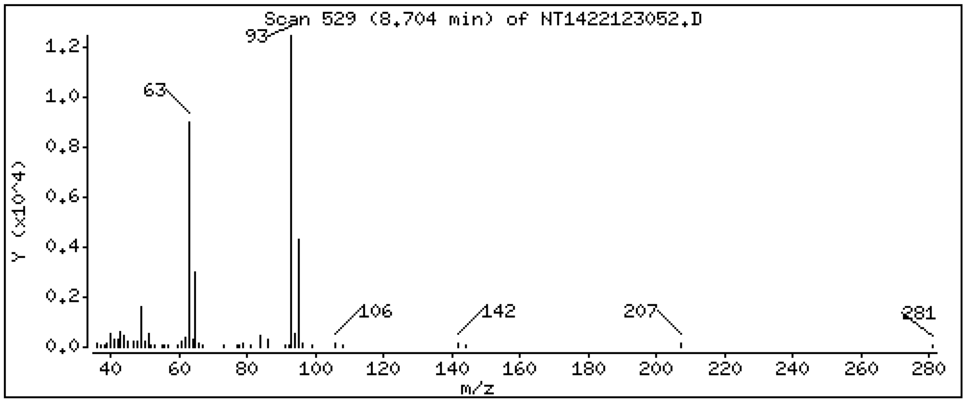
Operator: VTS

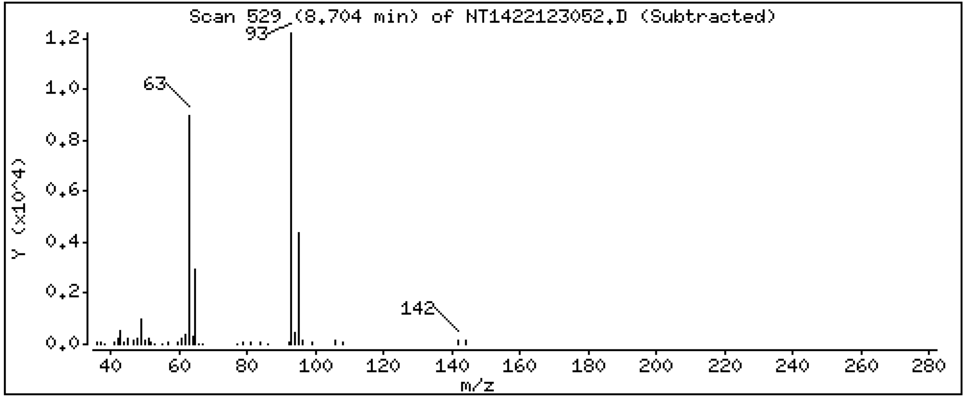
Column phase: ZB-5msi

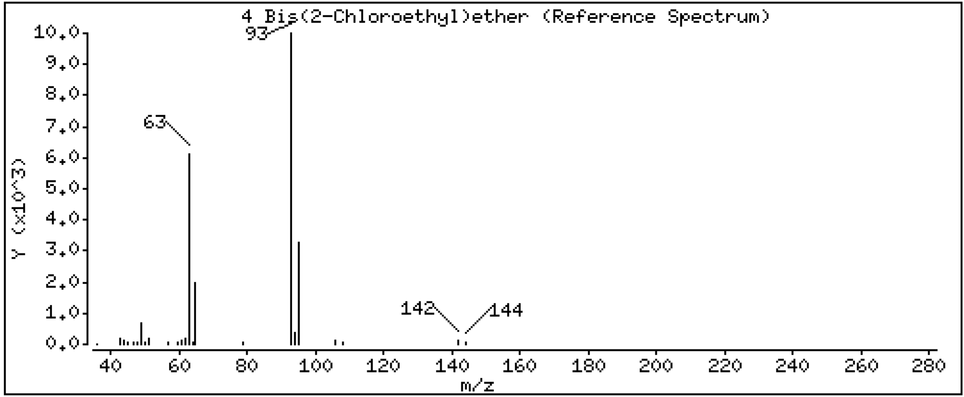
Column diameter: 0.25

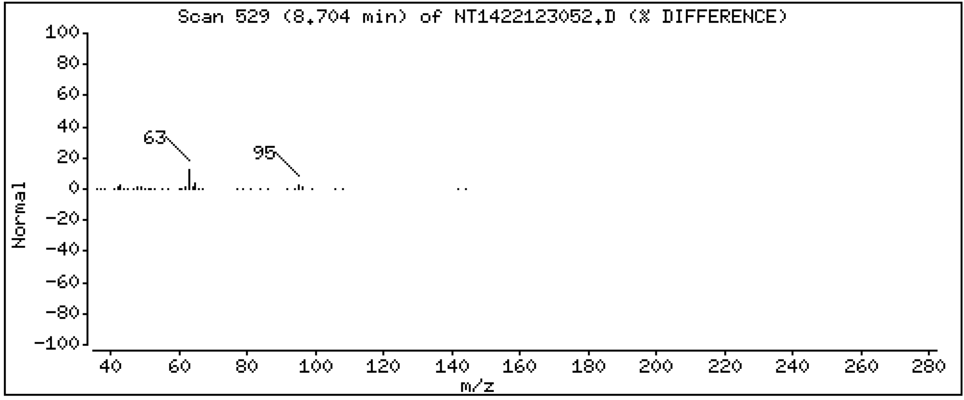
4 Bis(2-Chloroethyl)ether

Concentration: 0.4852 ug/mL


Scan 529 (8.704 min) of NT1422123052.D


Scan 529 (8.704 min) of NT1422123052.D (Subtracted)


4 Bis(2-Chloroethyl)ether (Reference Spectrum)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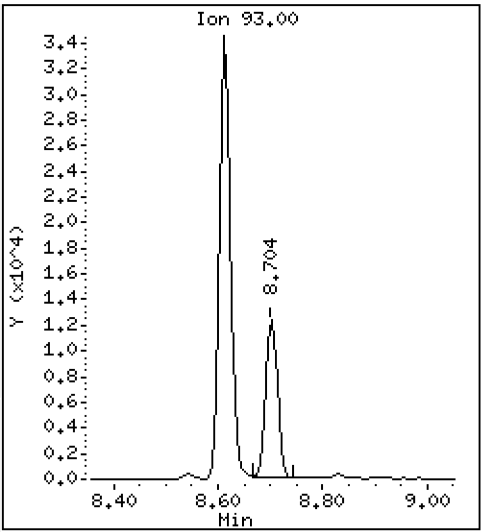
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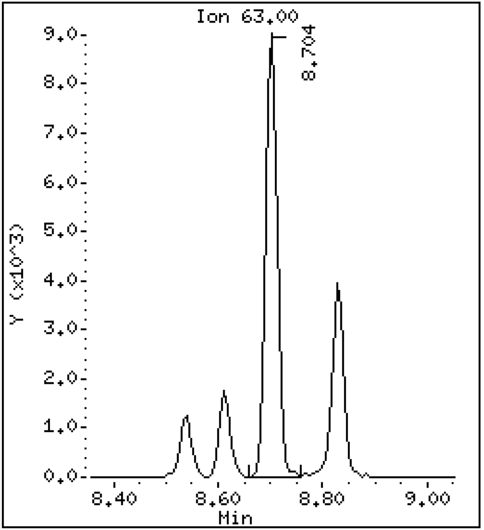
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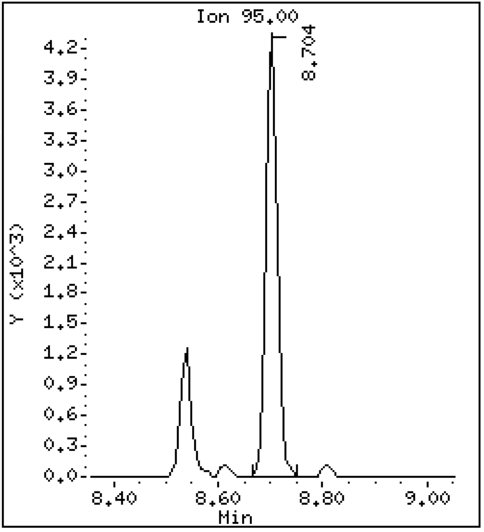
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Date : 31-DEC-2022 15:05

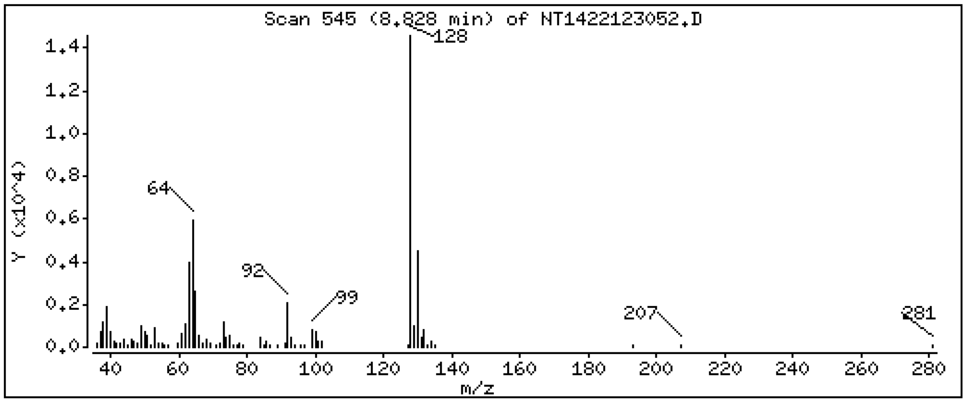
Client ID: Instrument: nt14.i

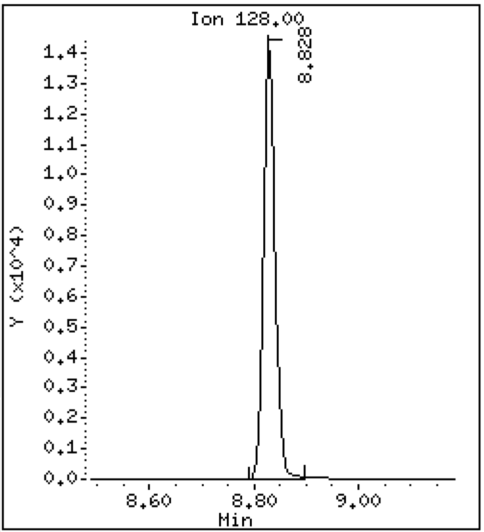
Sample Info: SKL0356-LCV2

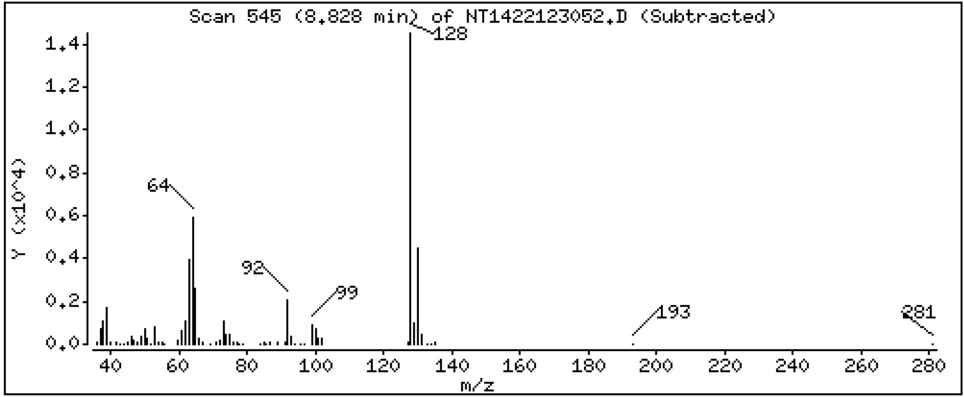
Operator: VTS

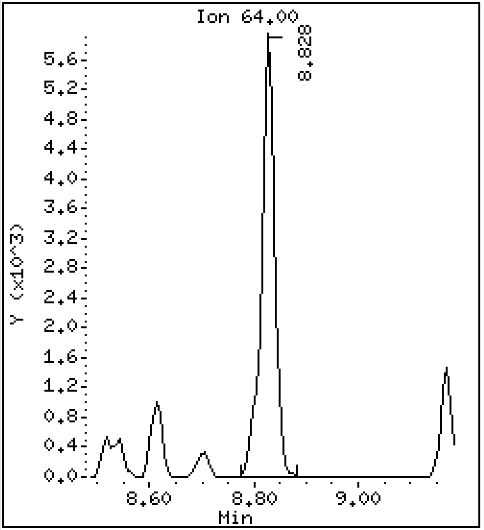
Column phase: ZB-5msi Column diameter: 0.25

6 2-Chlorophenol Concentration: 0.5057 ug/mL


Scan 545 (8.828 min) of NT1422123052.D


Ion 128.00


Scan 545 (8.828 min) of NT1422123052.D (Subtracted)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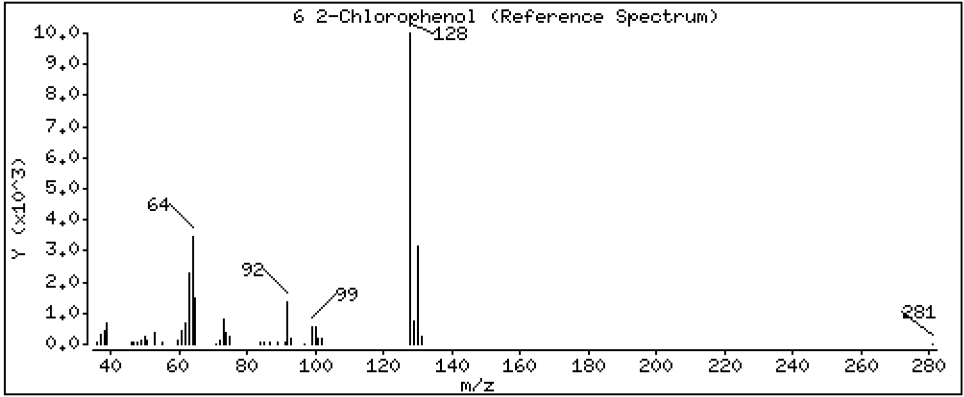
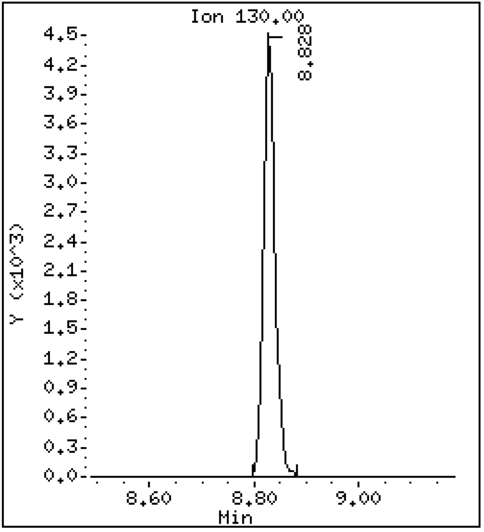

6 2-Chlorophenol (Reference Spectrum)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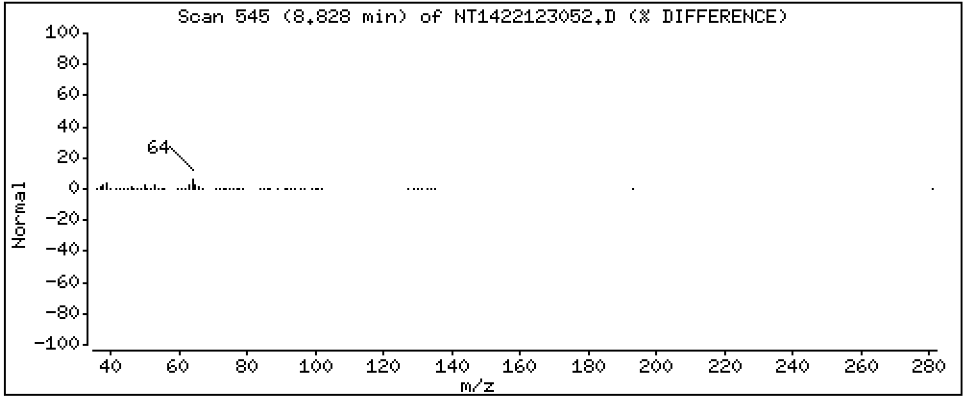

Scan 545 (8.828 min) of NT1422123052.D (% DIFFERENCE)

Data File: \\target\share\chem3\nt14.i\20221230B.b\NT1422123052.D

Date : 31-DEC-2022 15:05

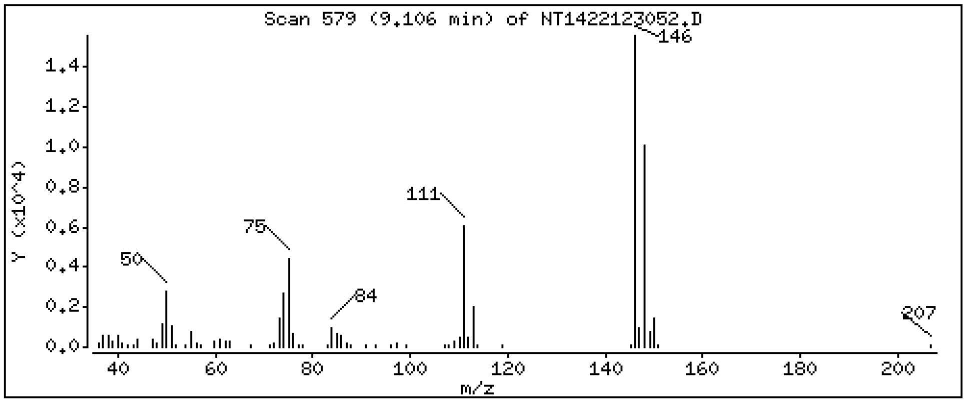
Client ID: Instrument: nt14.i

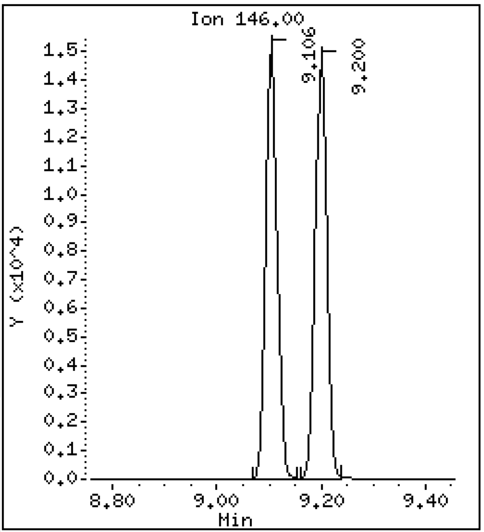
Sample Info: SKL0356-LCV2

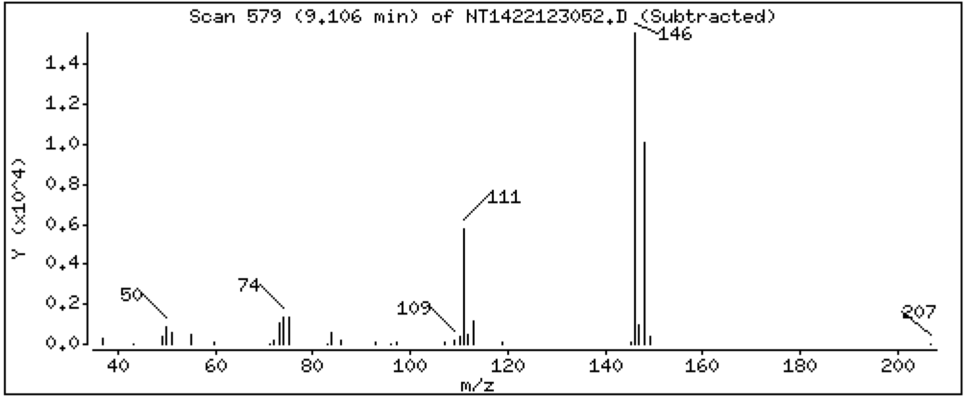
Operator: VTS

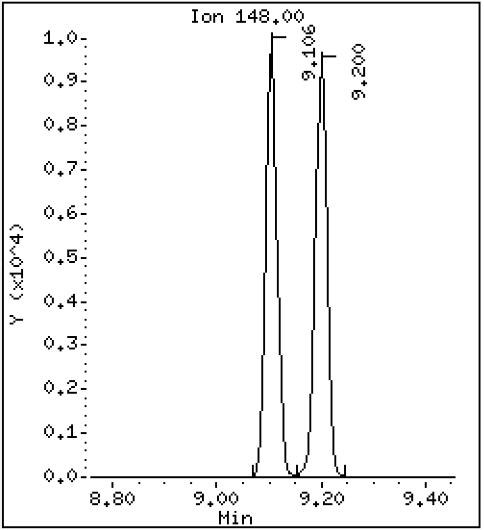
Column phase: ZB-5msi Column diameter: 0.25

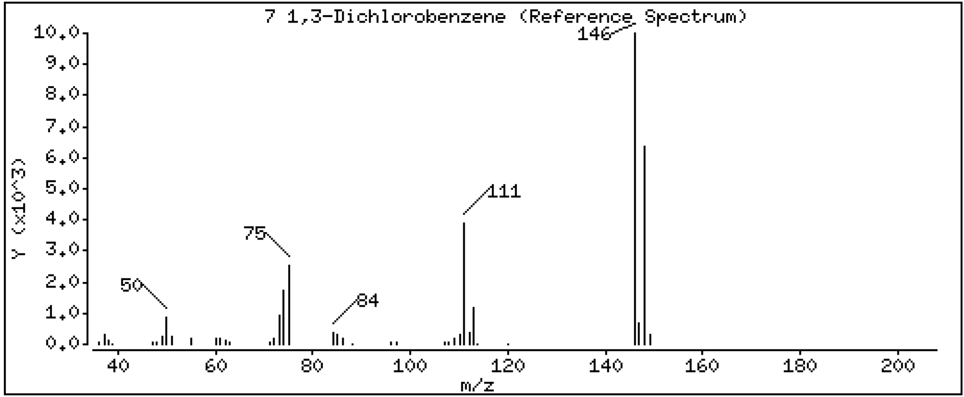
7 1,3-Dichlorobenzene Concentration: 0.4948 ug/mL

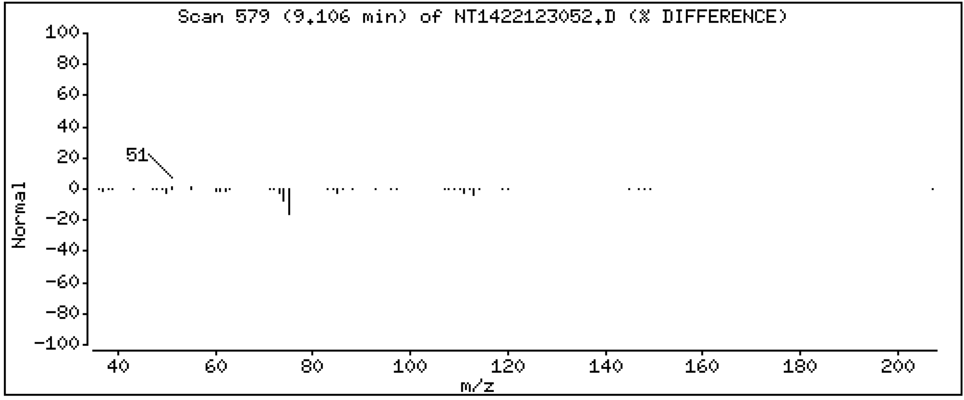


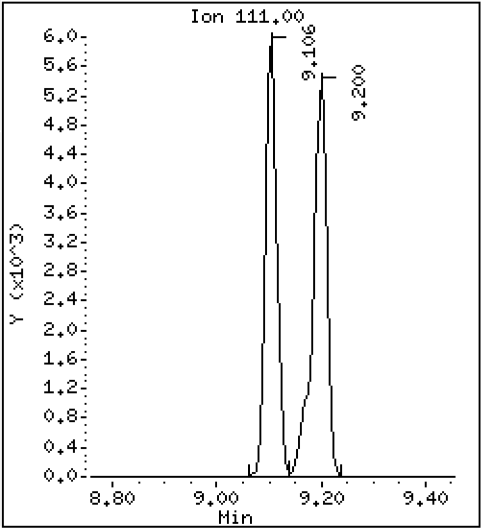












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Date : 31-DEC-2022 15:05

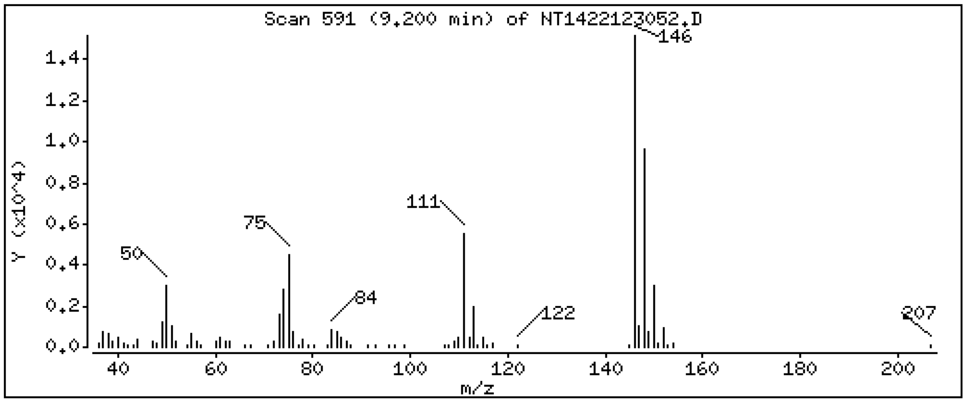
Client ID: Instrument: nt14.i

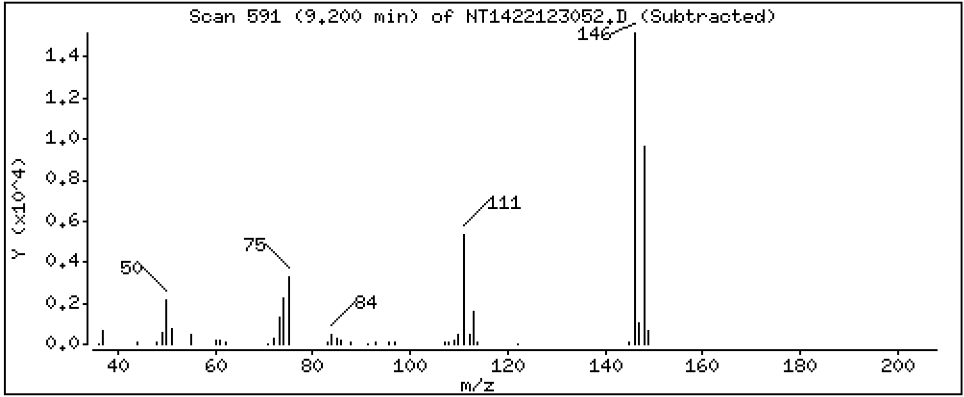
Sample Info: SKL0356-LCV2

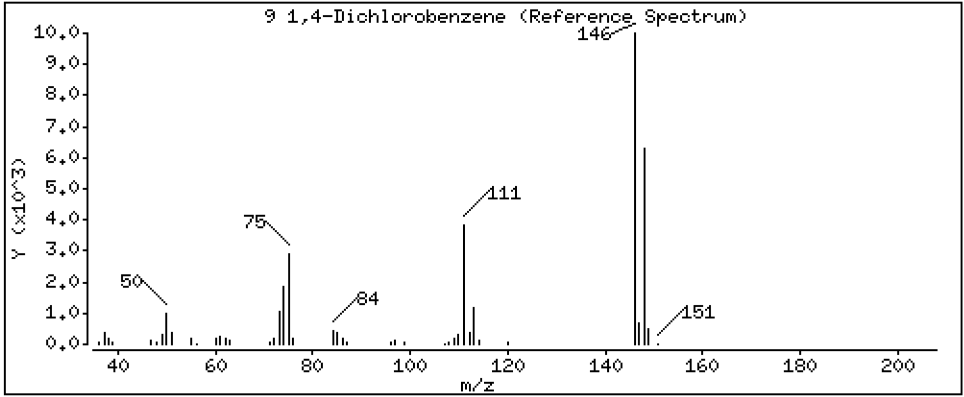
Operator: VTS

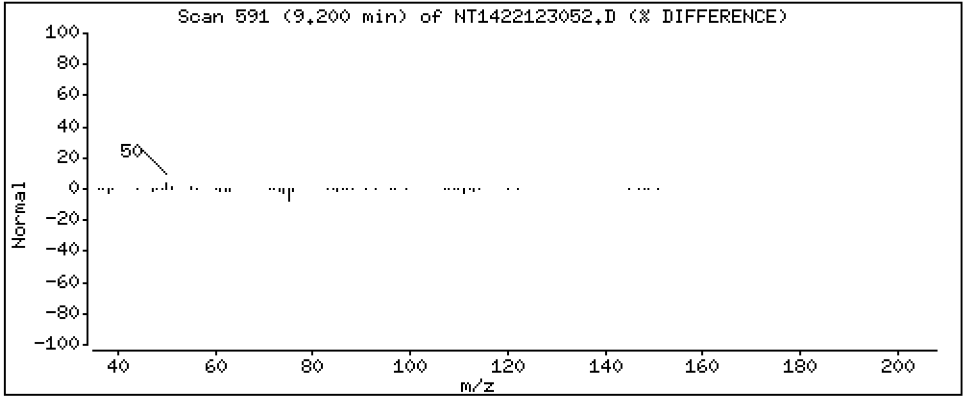
Column phase: ZB-5msi Column diameter: 0.25

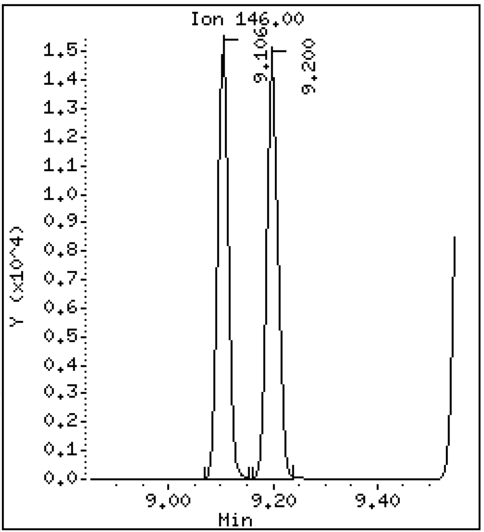
9 1,4-Dichlorobenzene Concentration: 0.4924 ug/mL

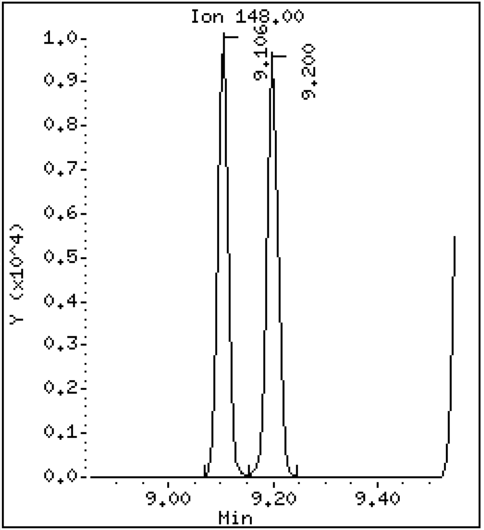


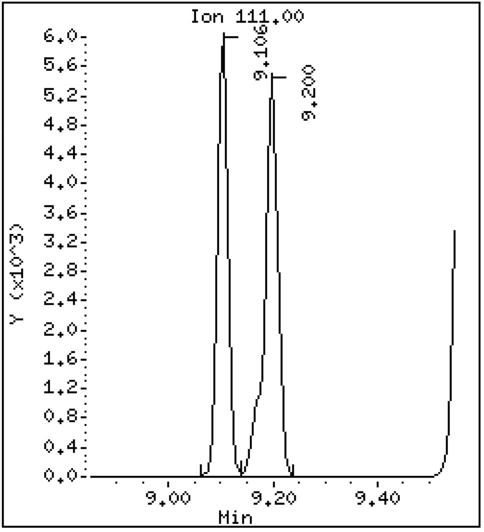












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Date : 31-DEC-2022 15:05

Client ID:

Instrument: nt14.i

Sample Info: SKL0356-LCV2

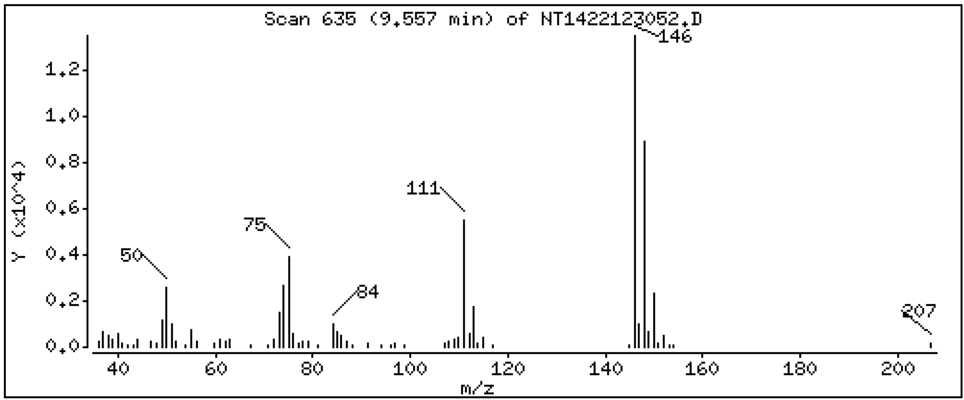
Operator: VTS

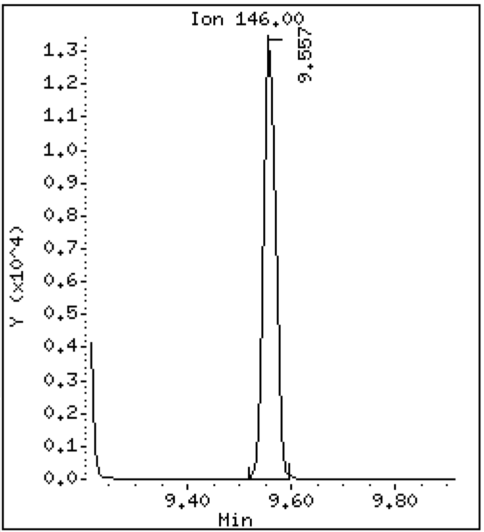
Column phase: ZB-5msi

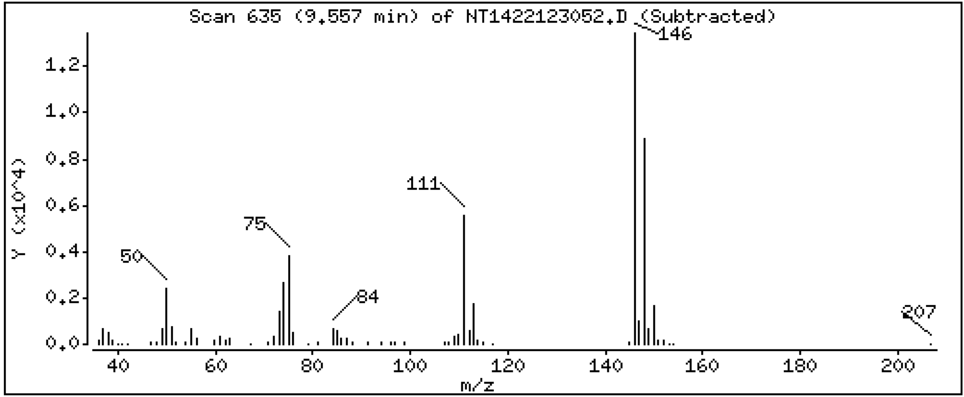
Column diameter: 0.25

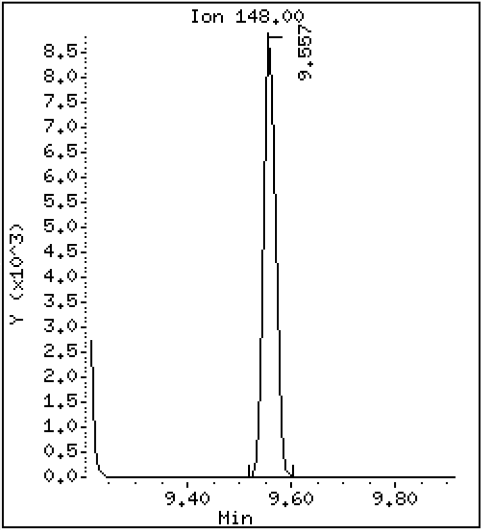
12 1,2-Dichlorobenzene

Concentration: 0.4842 ug/mL


Scan 635 (9.557 min) of NT1422123052.D


Ion 146.00


Scan 635 (9.557 min) of NT1422123052.D (Subtracted)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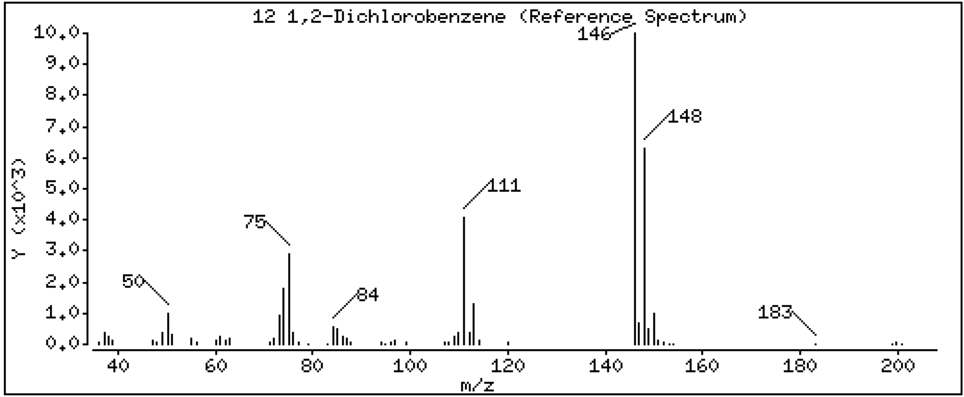
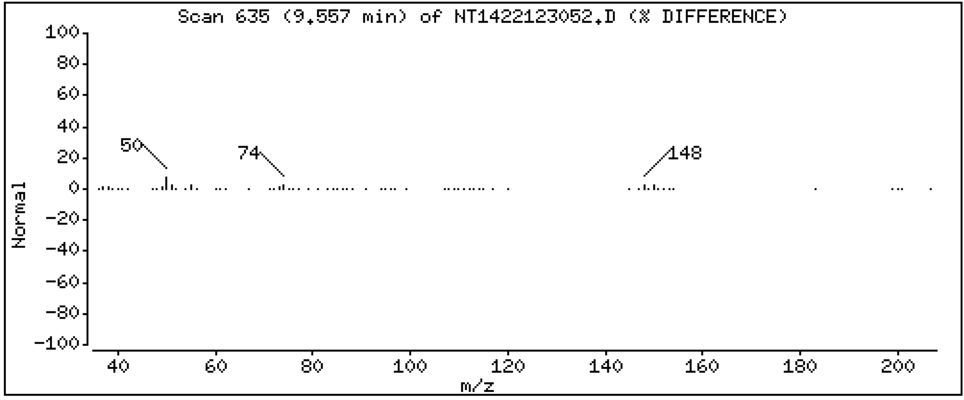
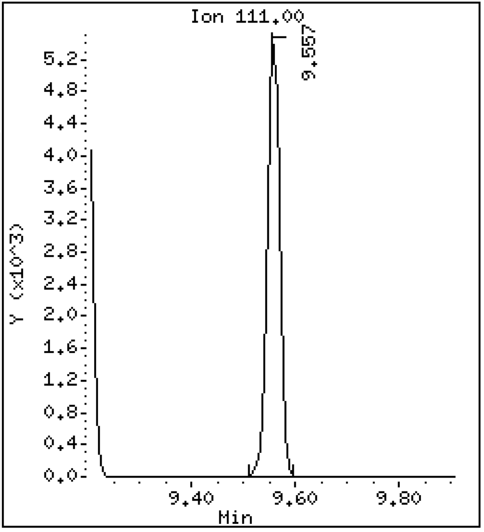

12 1,2-Dichlorobenzene (Reference Spectrum)


Scan 635 (9.557 min) of NT1422123052.D (% DIFFERENCE)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Data File: \\target\share\chem3\nt14.i\20221230B.b\NT1422123052.D

Date : 31-DEC-2022 15:05

Client ID:

Instrument: nt14.i

Sample Info: SKL0356-LCV2

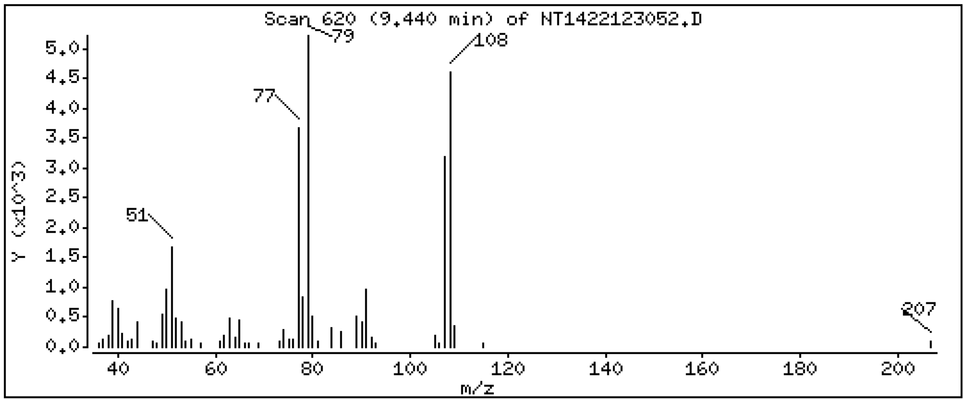
Operator: VTS

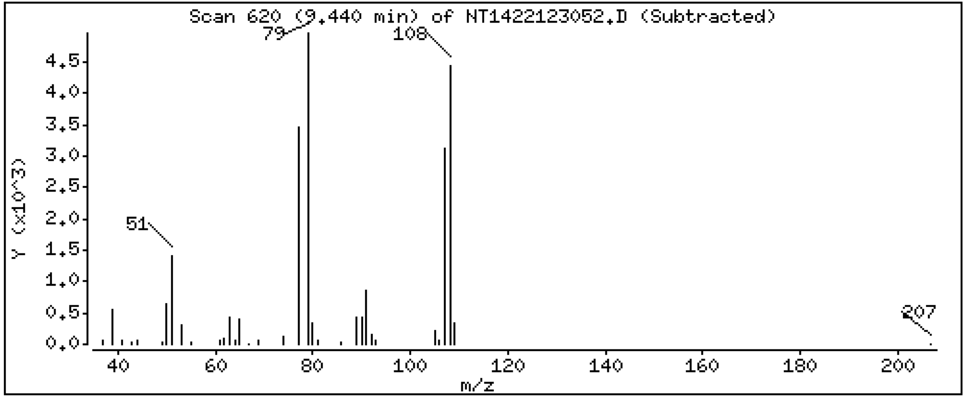
Column phase: ZB-5msi

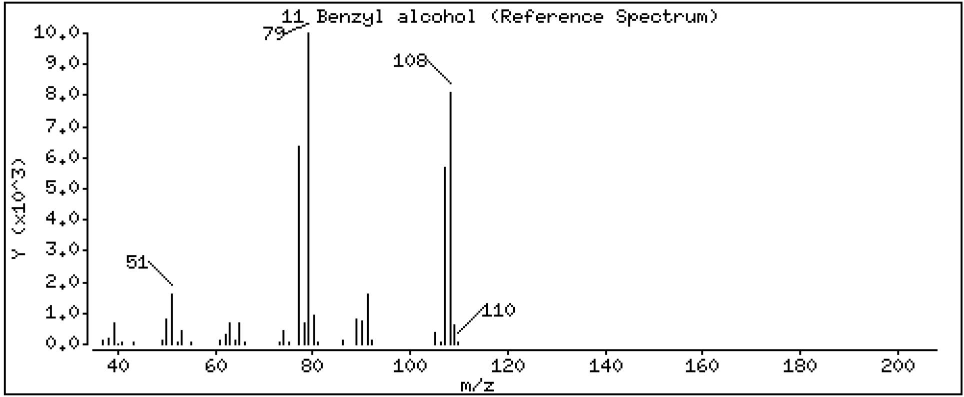
Column diameter: 0.25

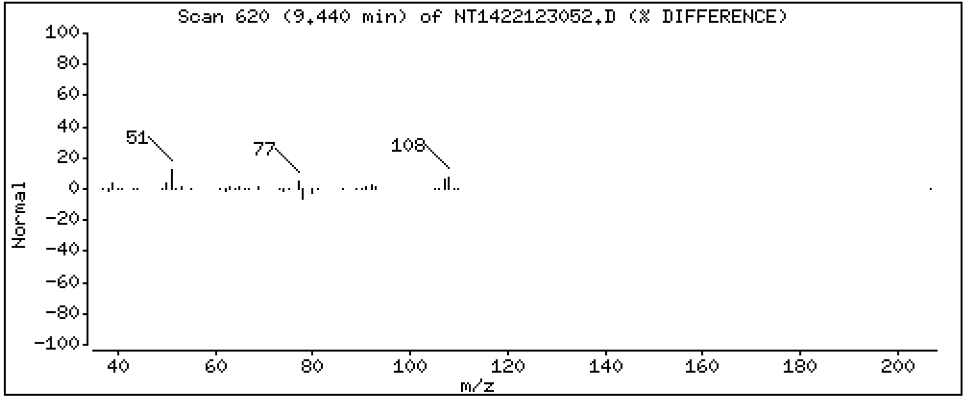
11 Benzyl alcohol

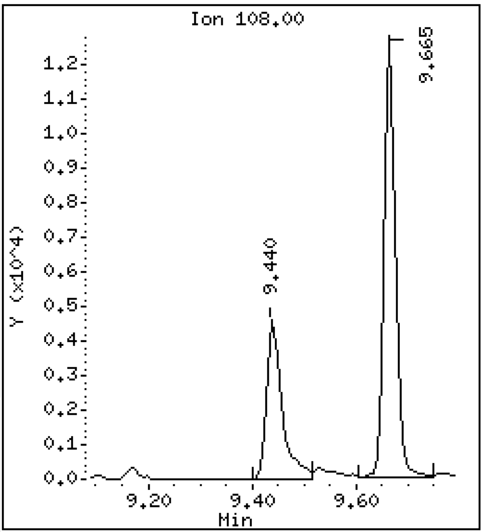
Concentration: 0.3788 ug/mL


Scan 620 (9.440 min) of NT1422123052.D


Scan 620 (9.440 min) of NT1422123052.D (Subtracted)


11 Benzyl alcohol (Reference Spectrum)


Scan 620 (9.440 min) of NT1422123052.D (% DIFFERENCE)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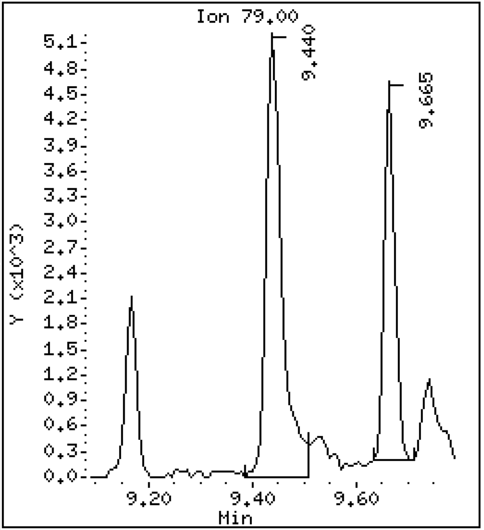
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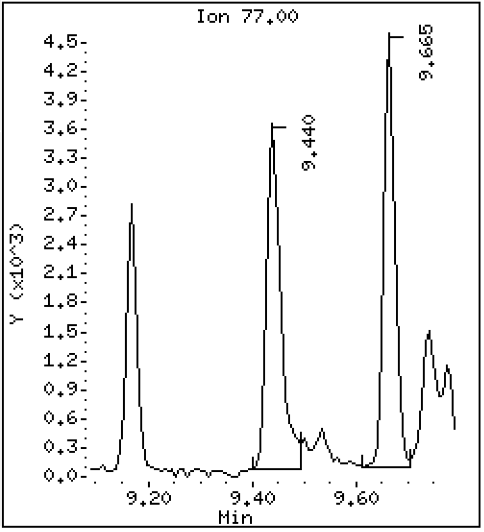
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Data File: \\target\share\chem3\nt14.i\20221230B.b\NT1422123052.D

Date : 31-DEC-2022 15:05

Client ID:

Instrument: nt14.i

Sample Info: SKL0356-LCV2

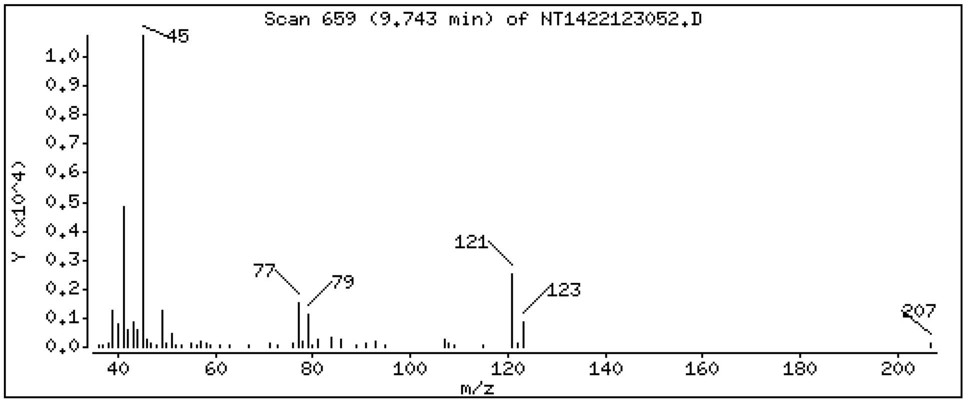
Operator: VTS

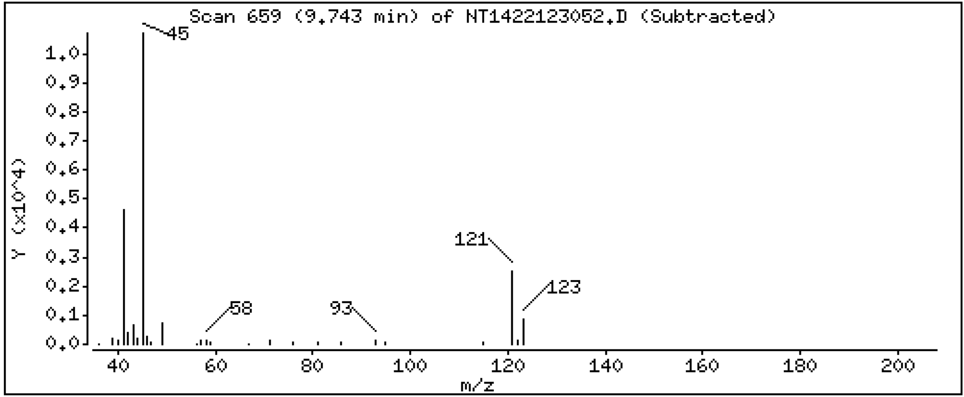
Column phase: ZB-5msi

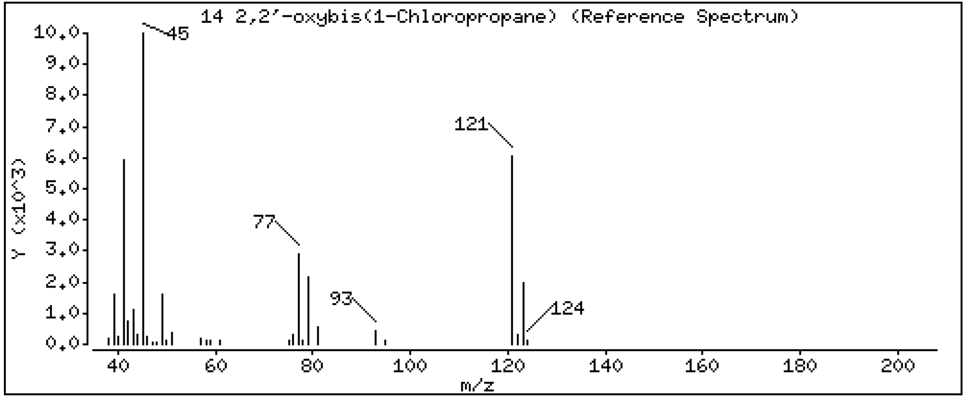
Column diameter: 0.25

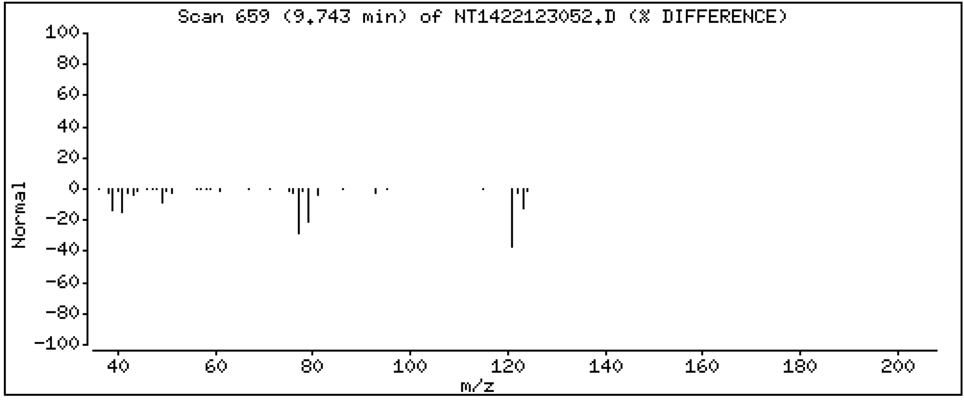
14 2,2'-oxybis(1-Chloropropane)

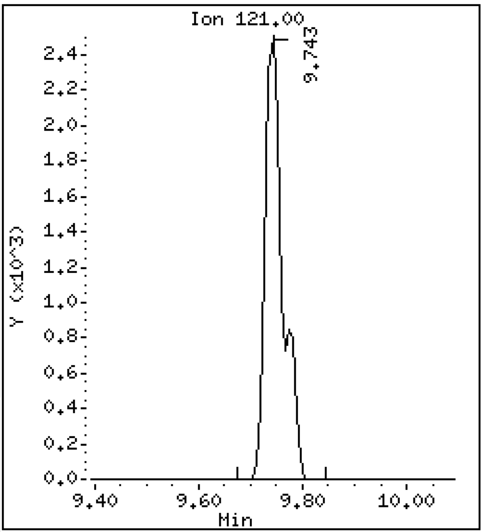
Concentration: 0.4614 ug/mL

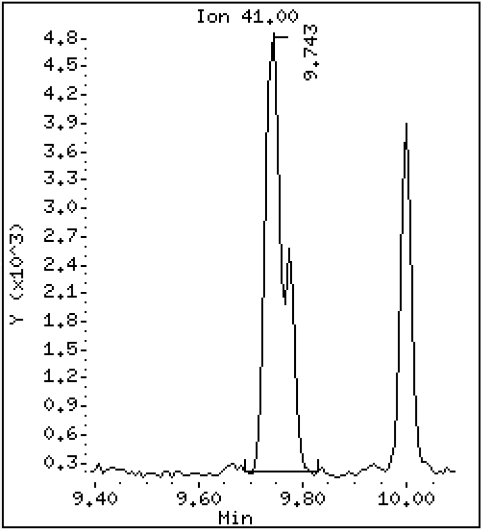


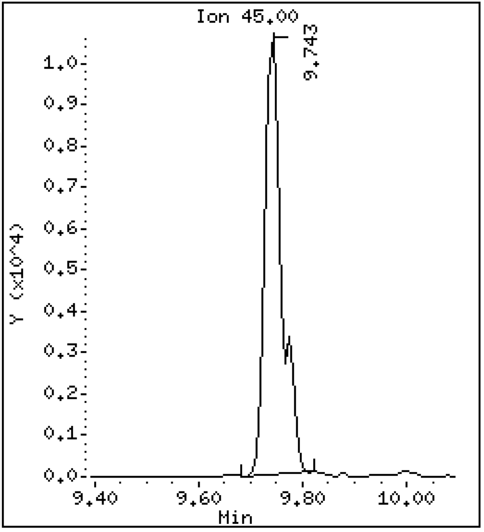












Data File: \\target\share\chem3\nt14.i\20221230B.b\NT1422123052.D Page 10

Date : 31-DEC-2022 15:05

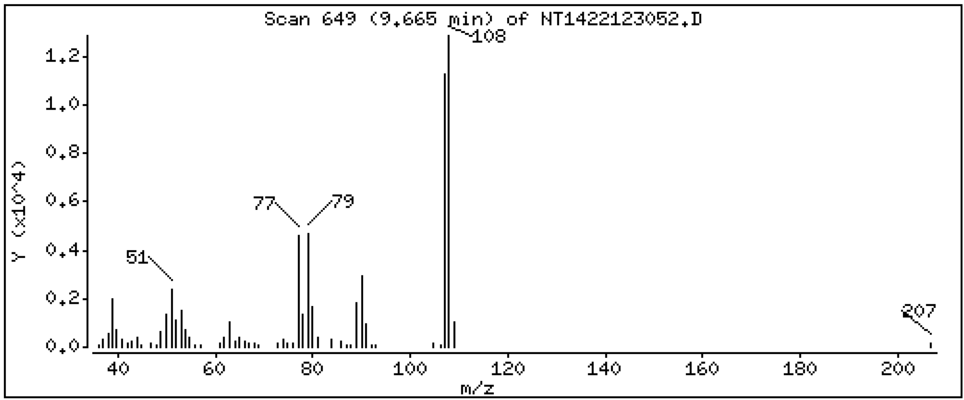
Client ID: Instrument: nt14.i

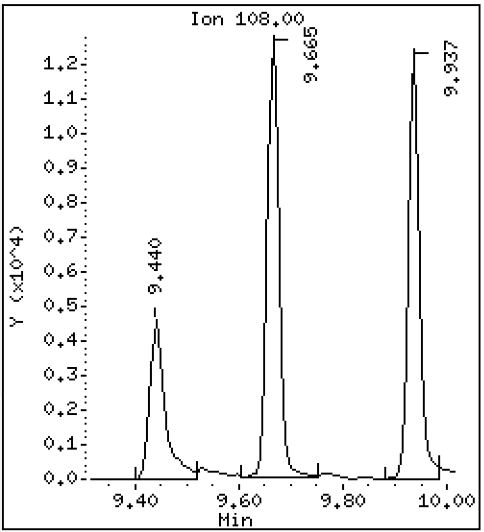
Sample Info: SKL0356-LCV2

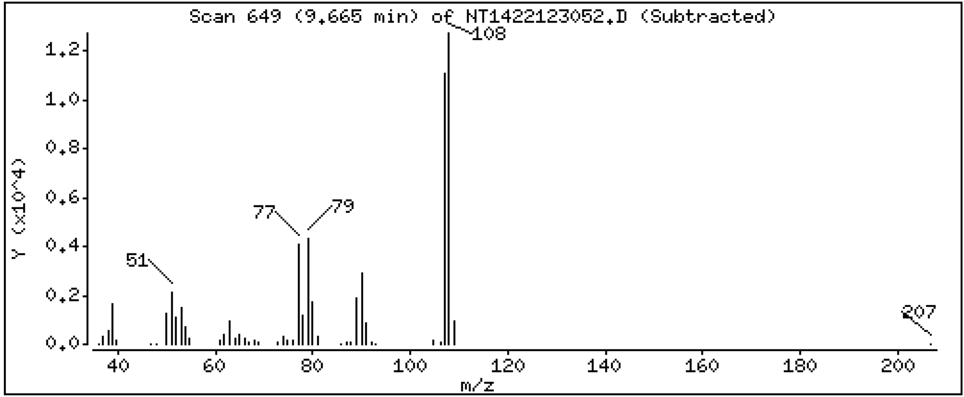
Operator: VTS

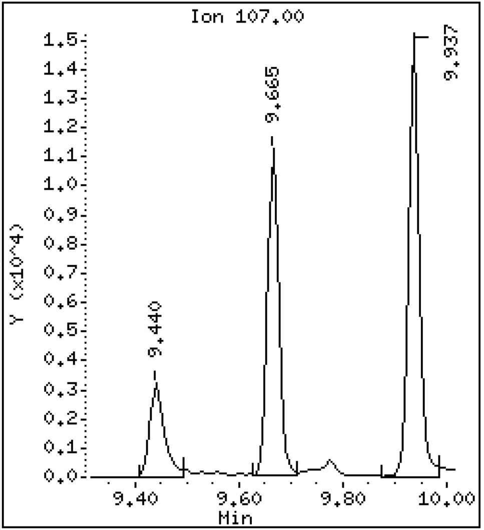
Column phase: ZB-5msi Column diameter: 0.25

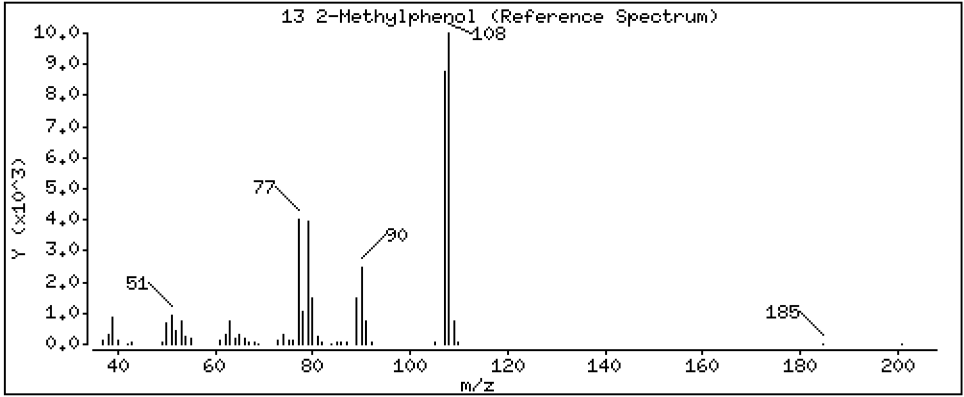
13 2-Methylphenol Concentration: 0.4833 ug/mL

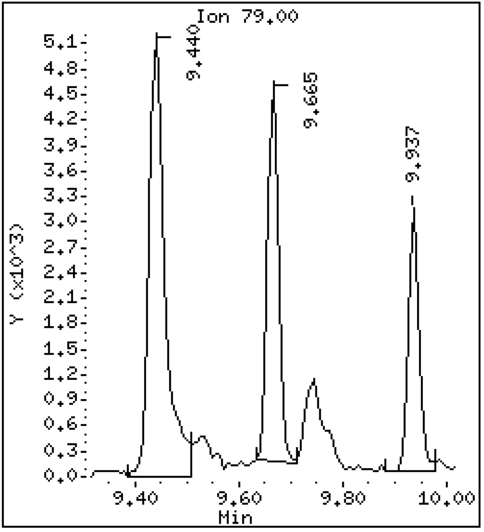

Scan 649 (9.665 min) of NT1422123052.D


Ion 108.00


Scan 649 (9.665 min) of NT1422123052.D (Subtracted)


Ion 107.00


13 2-Methylphenol (Reference Spectrum)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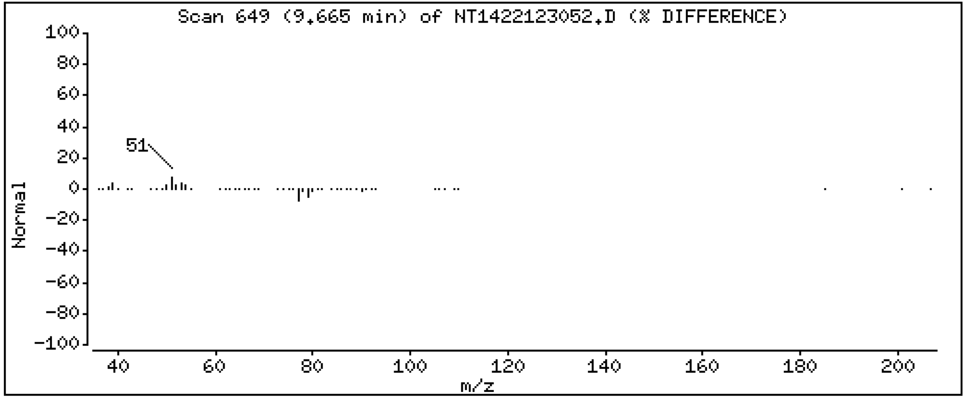

Scan 649 (9.665 min) of NT1422123052.D (% DIFFERENCE)

Data File: \\target\share\chem3\nt14.i\20221230B.b\NT1422123052.D

Date : 31-DEC-2022 15:05

Client ID:

Instrument: nt14.i

Sample Info: SKL0356-LCV2

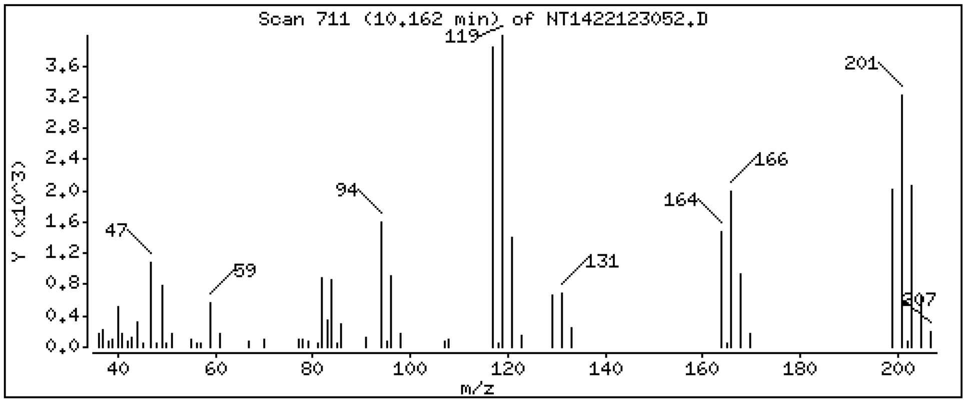
Operator: VTS

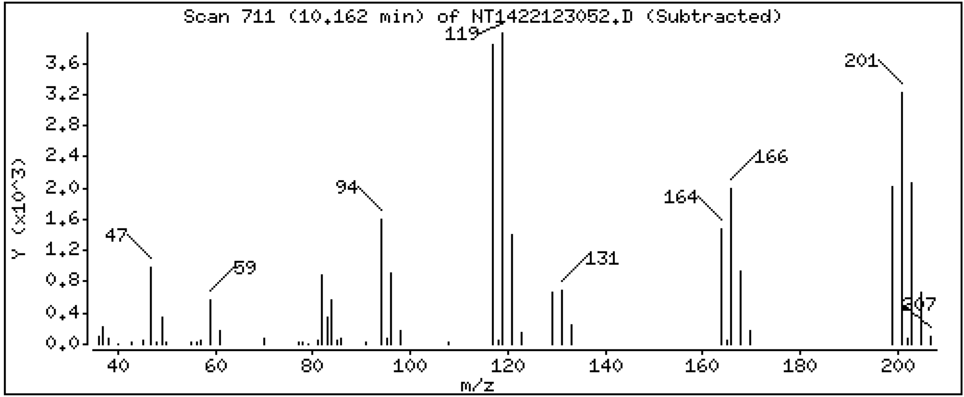
Column phase: ZB-5msi

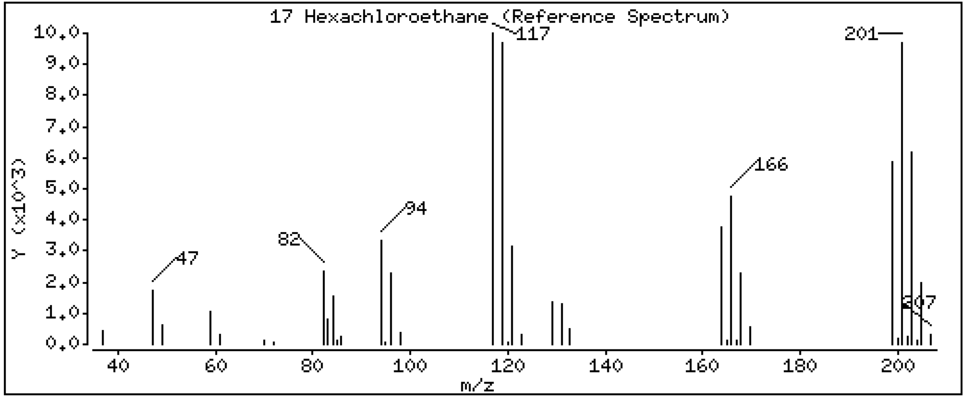
Column diameter: 0.25

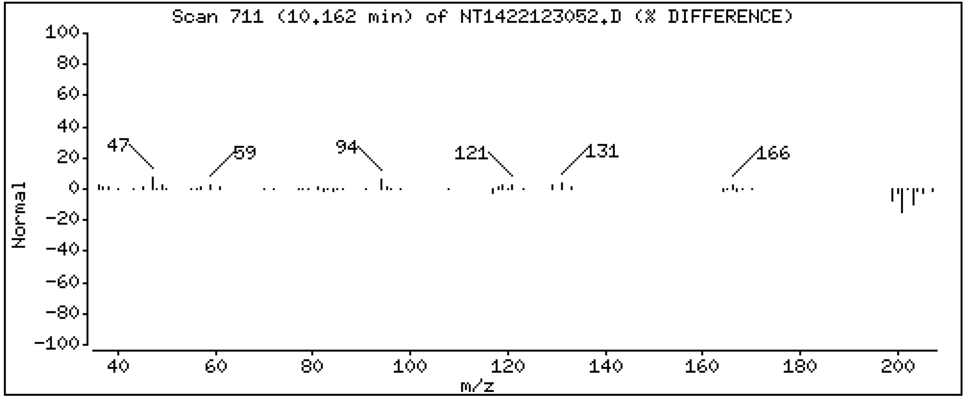
17 Hexachloroethane

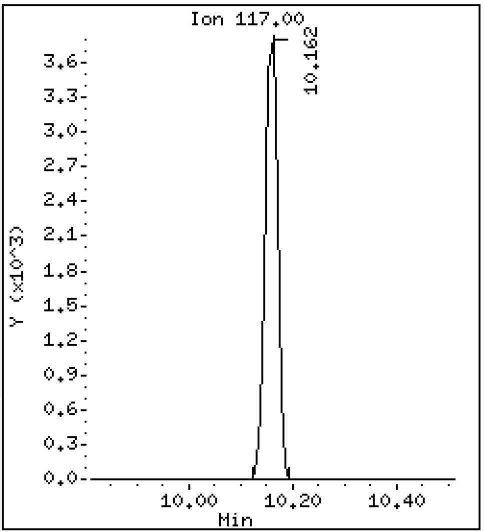
Concentration: 0.3728 ug/mL

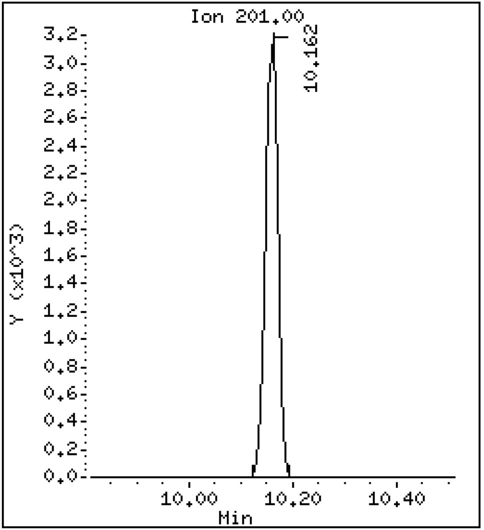


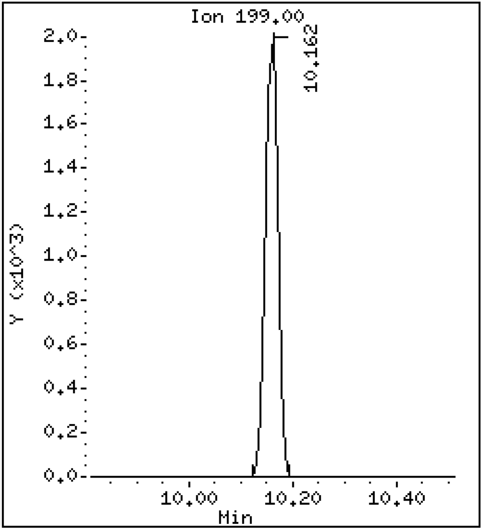












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Date : 31-DEC-2022 15:05

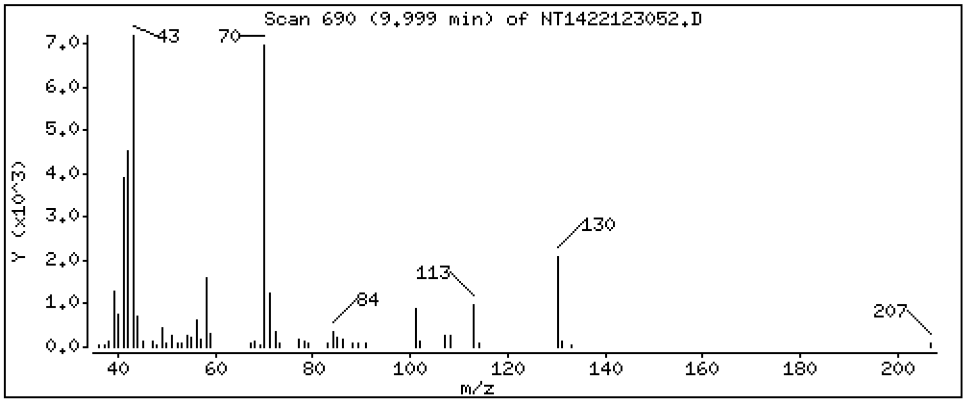
Client ID: Instrument: nt14.i

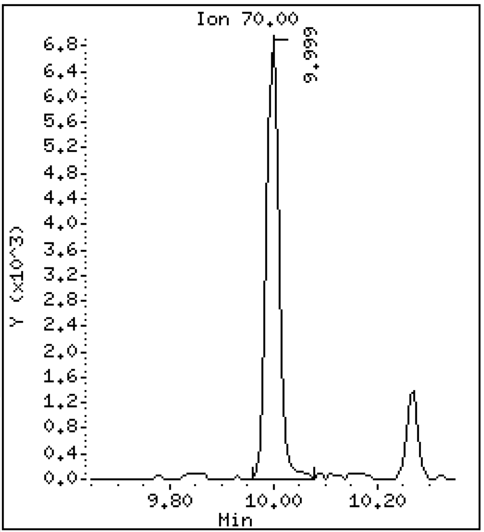
Sample Info: SKL0356-LCV2

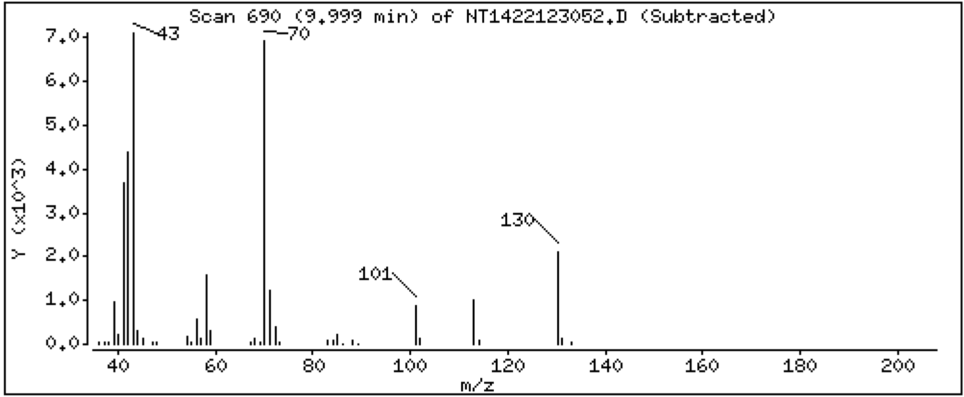
Operator: VTS

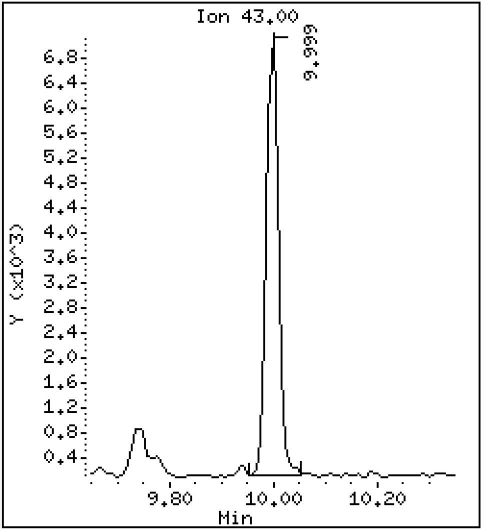
Column phase: ZB-5msi Column diameter: 0.25

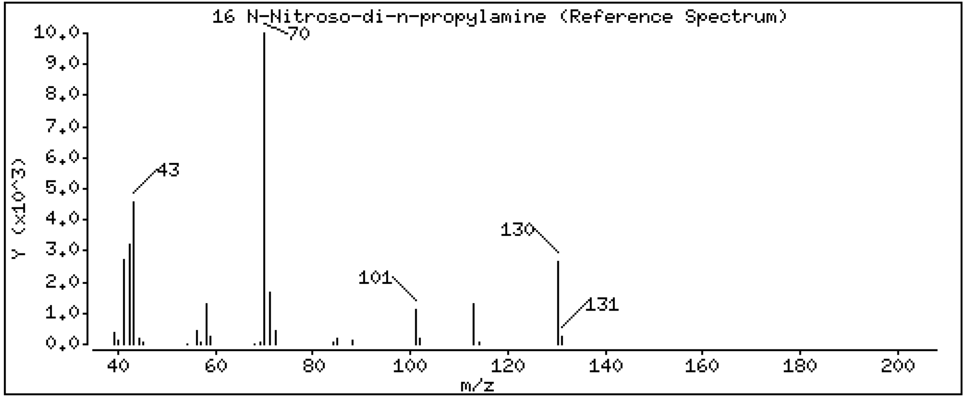
16 N-Nitroso-di-n-propylamine Concentration: 0.4654 ug/mL

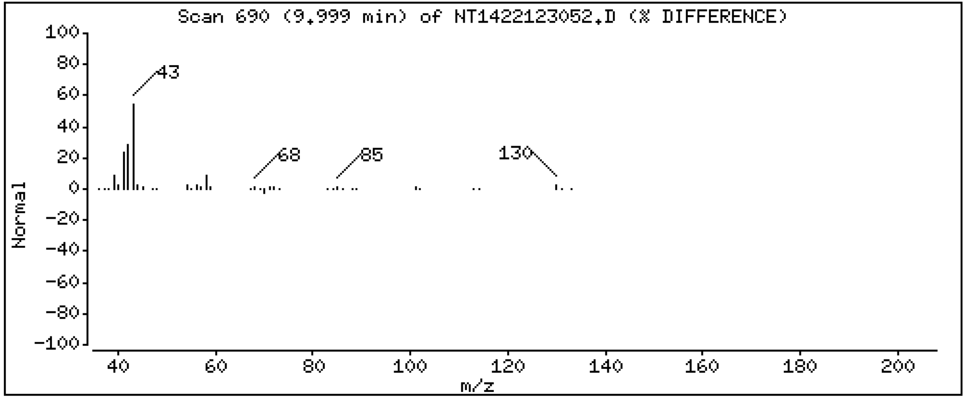

Scan 690 (9.999 min) of NT1422123052.D

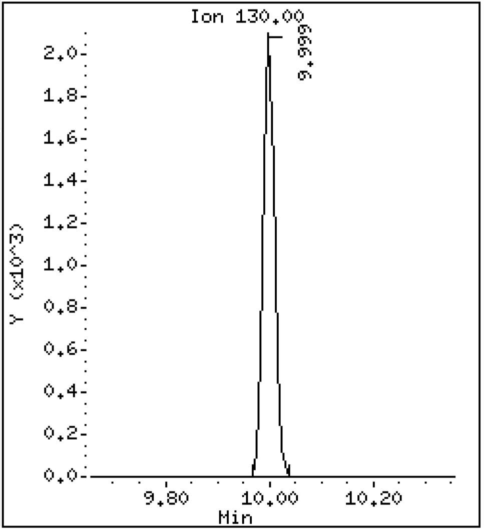

Ion 70.00


Scan 690 (9.999 min) of NT1422123052.D (Subtracted)


Ion 43.00


16 N-Nitroso-di-n-propylamine (Reference Spectrum)


Scan 690 (9.999 min) of NT1422123052.D (% DIFFERENCE)


Ion 130.00

Data File: \\target\share\chem3\nt14.i\20221230B.b\NT1422123052.D

Date : 31-DEC-2022 15:05

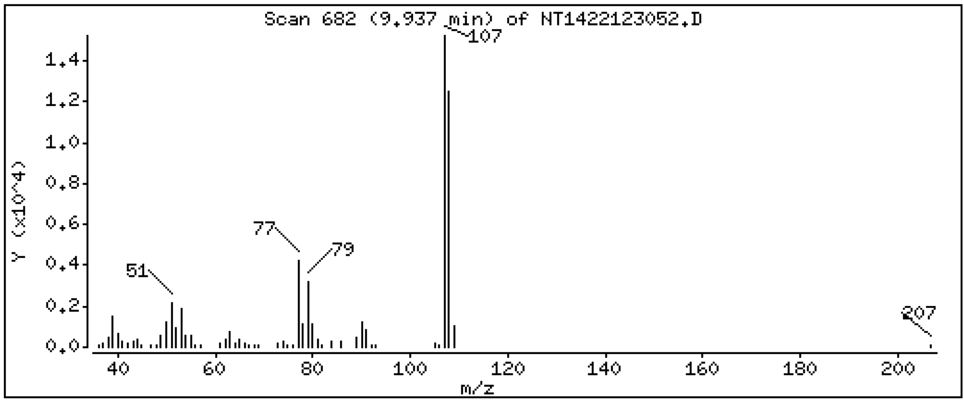
Client ID: Instrument: nt14.i

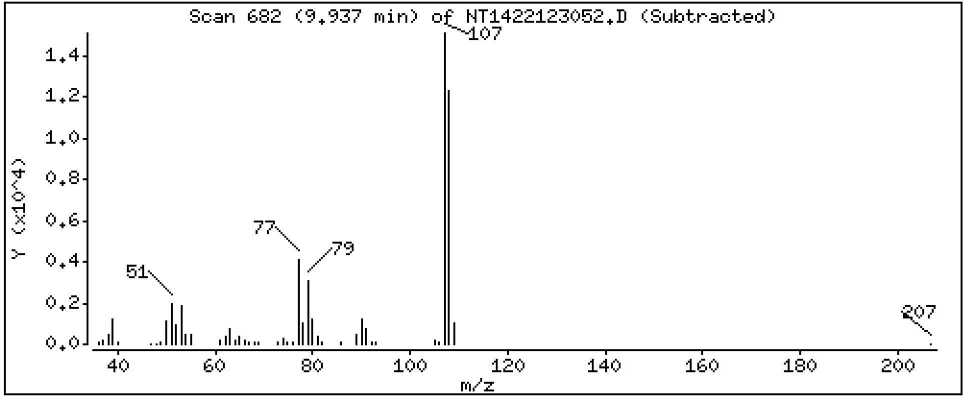
Sample Info: SKL0356-LCV2

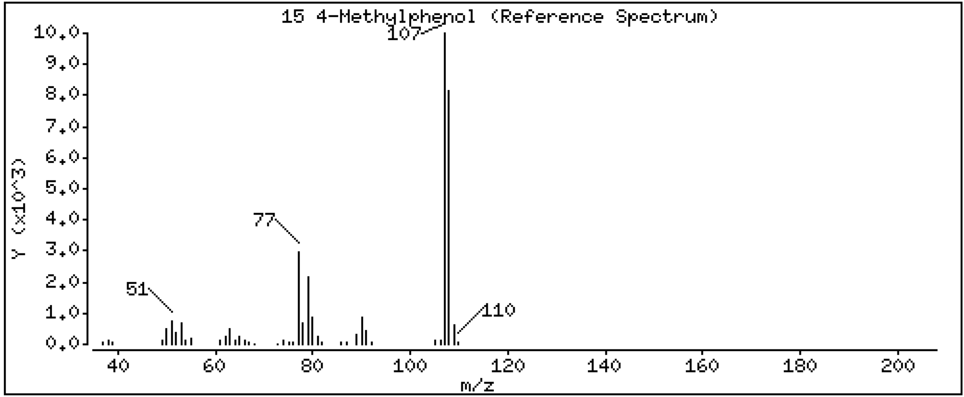
Operator: VTS

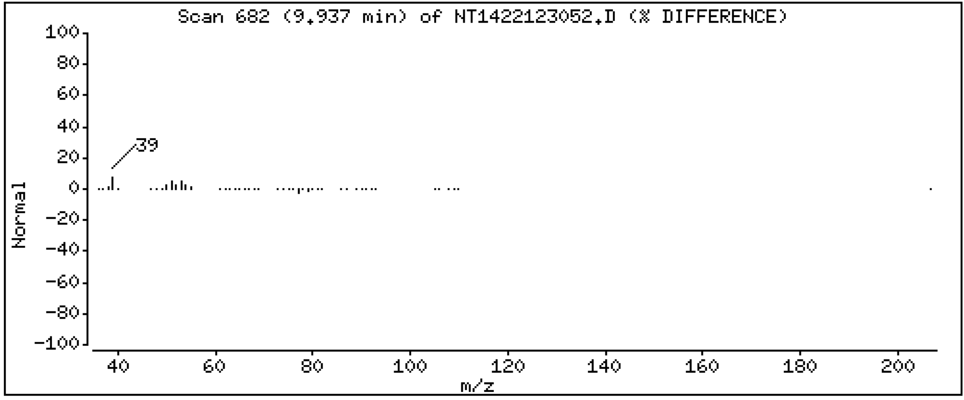
Column phase: ZB-5msi Column diameter: 0.25

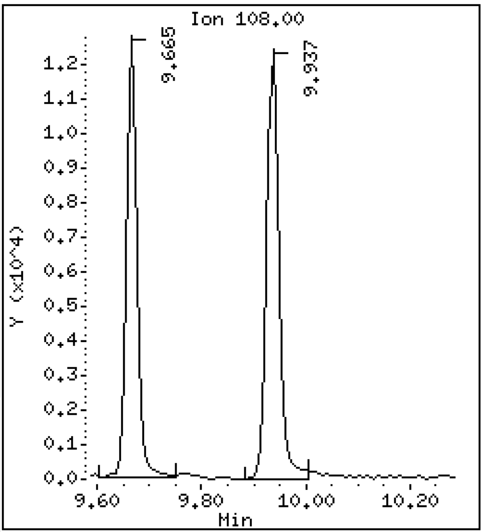
15 4-Methylphenol Concentration: 0.4747 ug/mL

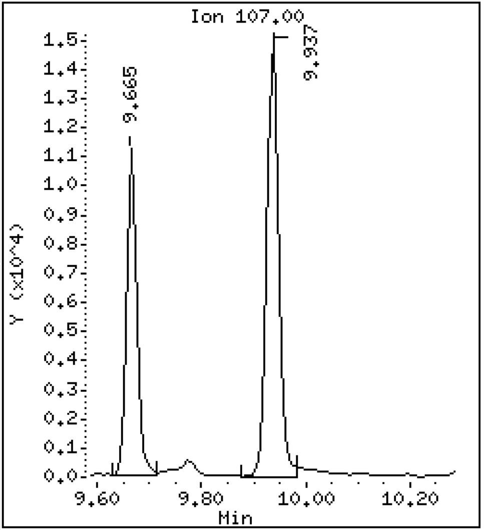


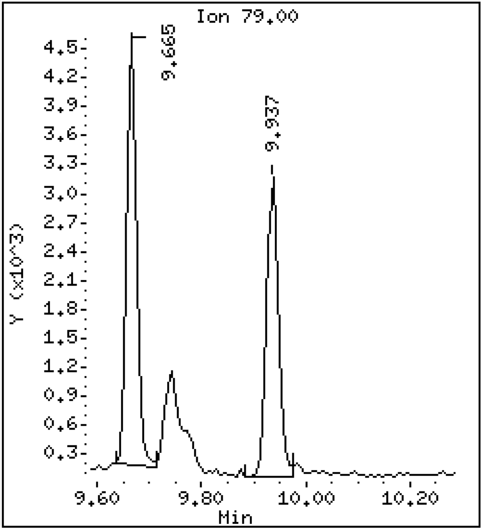












Data File: \\target\share\chem3\nt14.i\20221230B.b\NT1422123052.D

Date : 31-DEC-2022 15:05

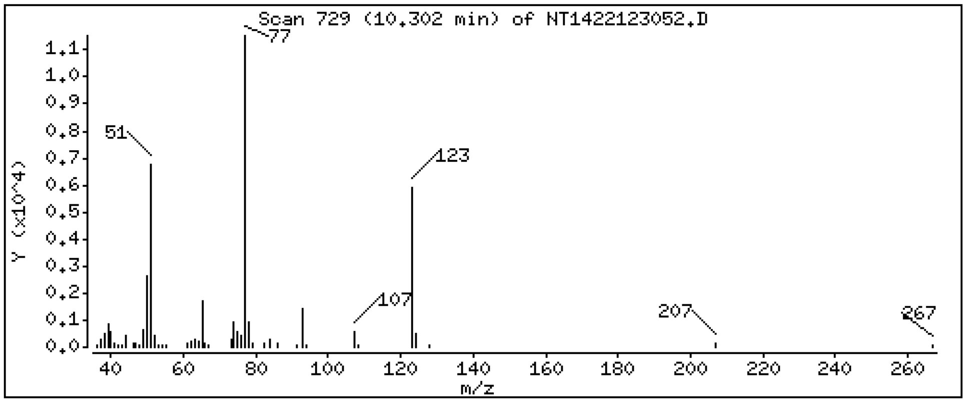
Client ID: Instrument: nt14.i

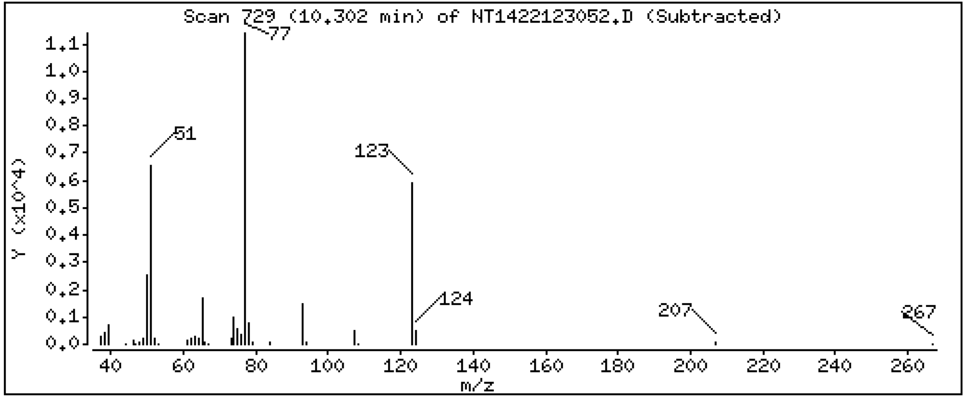
Sample Info: SKL0356-LCV2

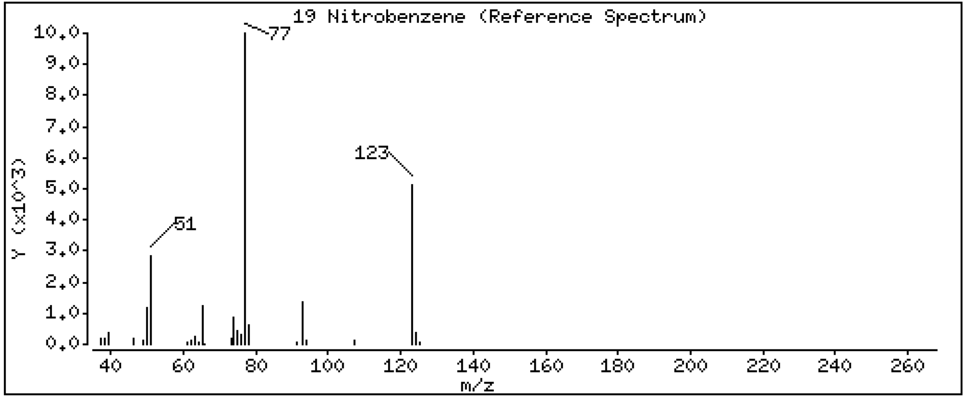
Operator: VTS

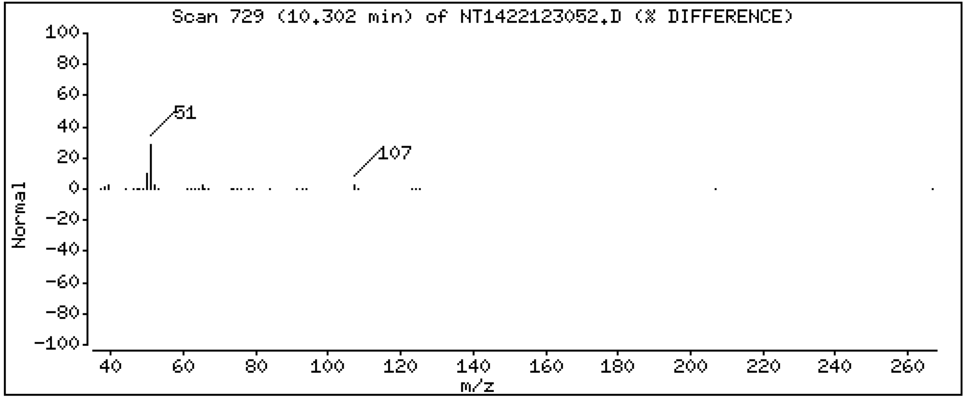
Column phase: ZB-5msi Column diameter: 0.25

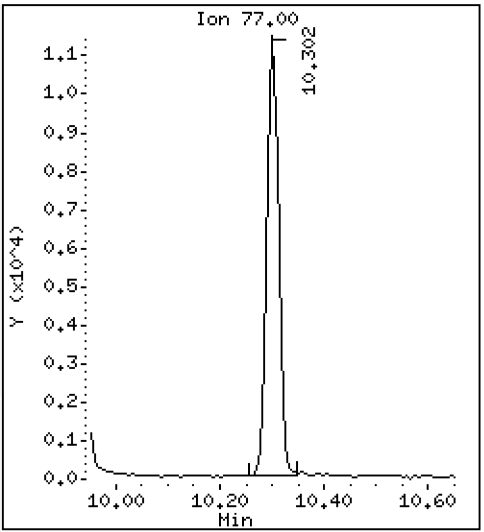
19 Nitrobenzene Concentration: 0.4641 ug/mL

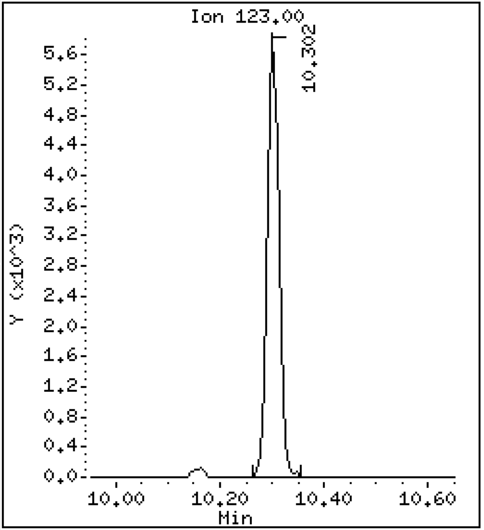

Scan 729 (10.302 min) of NT1422123052.D

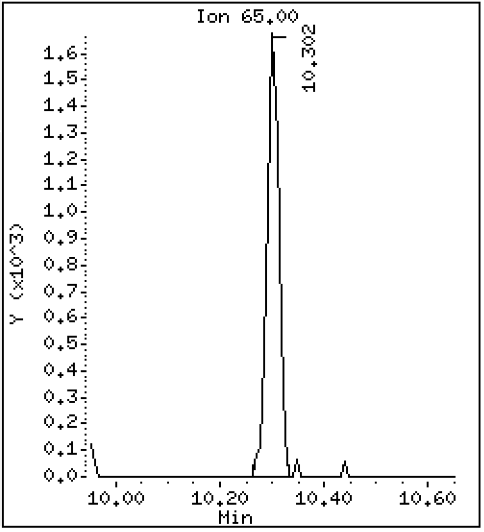

Scan 729 (10.302 min) of NT1422123052.D (Subtracted)


19 Nitrobenzene (Reference Spectrum)


Scan 729 (10.302 min) of NT1422123052.D (% DIFFERENCE)


Ion 77.00


Ion 123.00


Ion 65.00

Data File: \\target\share\chem3\nt14.i\20221230B.b\NT1422123052.D

Date : 31-DEC-2022 15:05

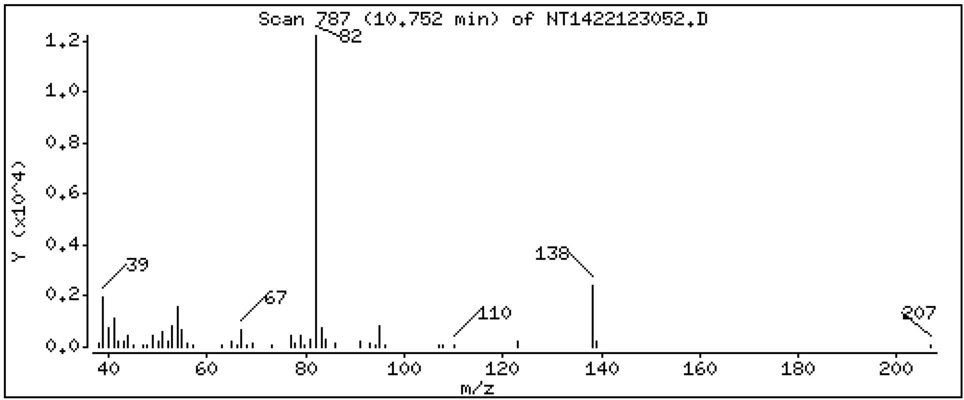
Client ID: Instrument: nt14.i

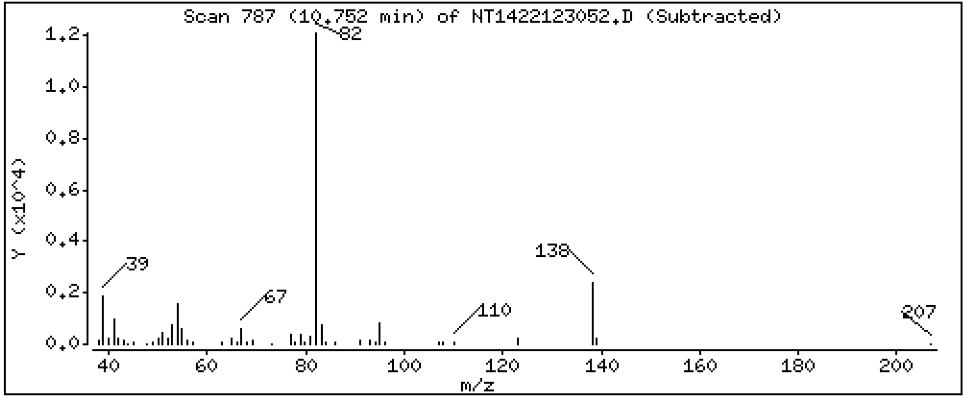
Sample Info: SKL0356-LCV2

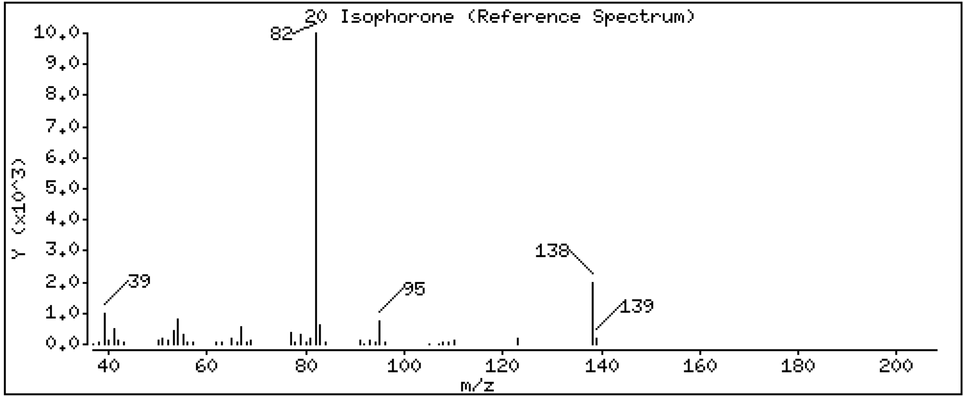
Operator: VTS

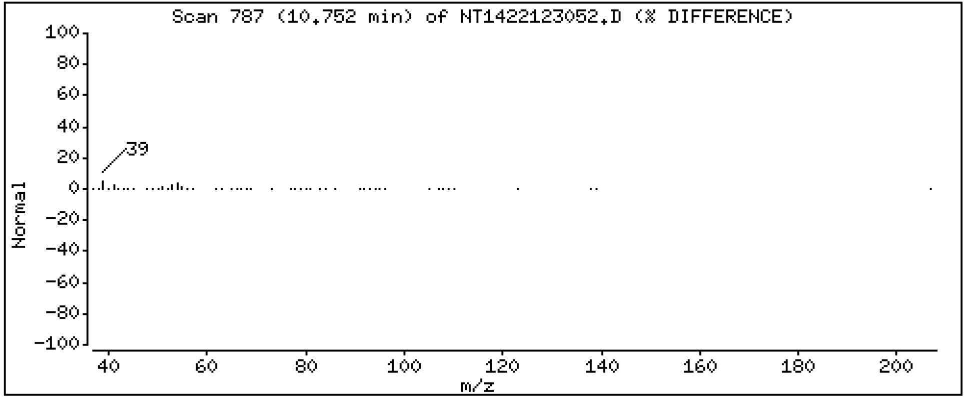
Column phase: ZB-5msi Column diameter: 0.25

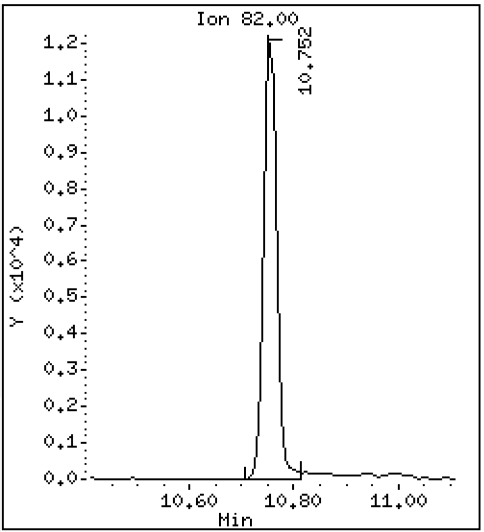
20 Isophorone Concentration: 0.4317 ug/mL

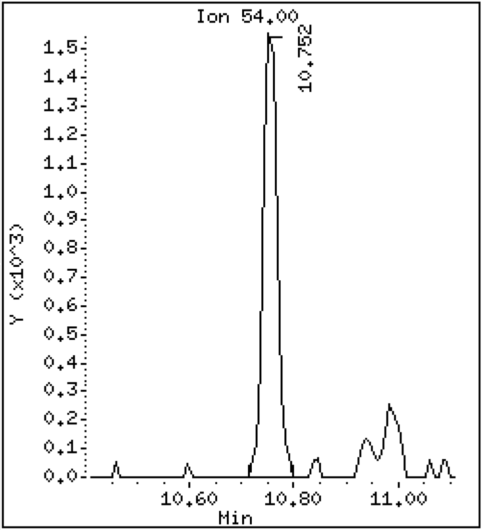


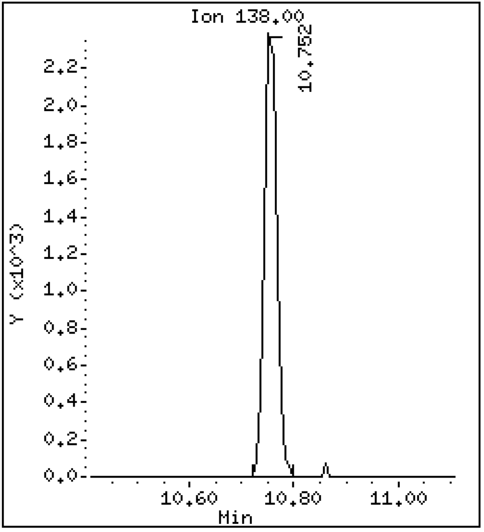












Data File: \\target\share\chem3\nt14.i\20221230B.b\NT1422123052.D

Date : 31-DEC-2022 15:05

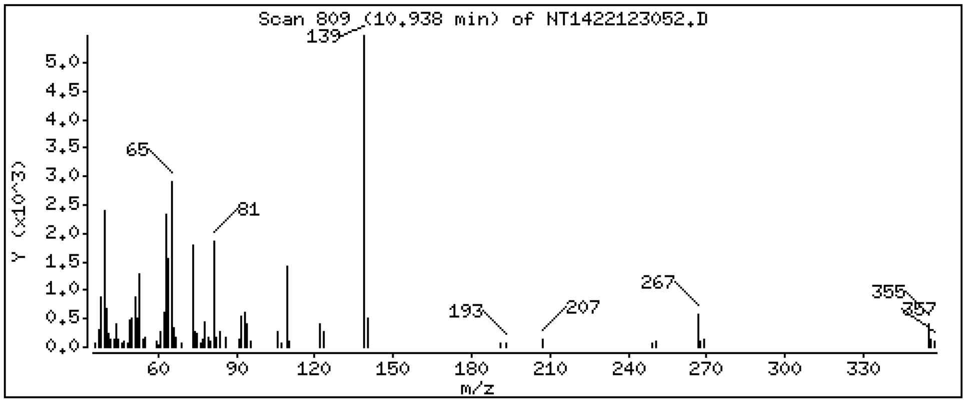
Client ID: Instrument: nt14.i

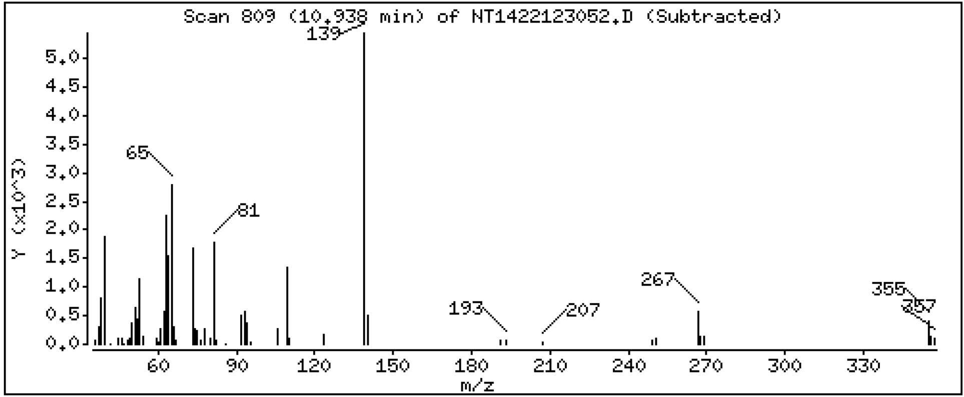
Sample Info: SKL0356-LCV2

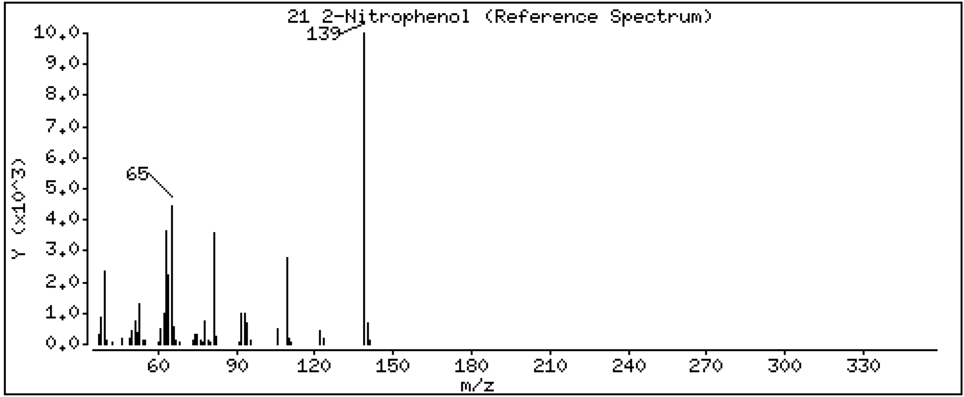
Operator: VTS

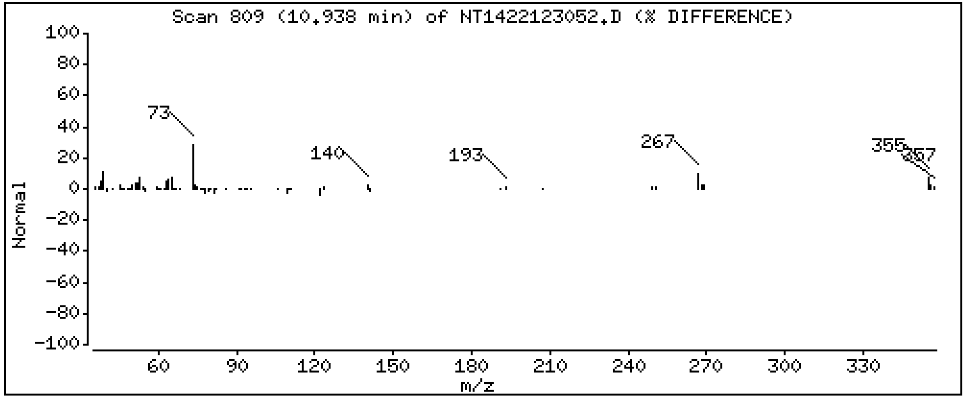
Column phase: ZB-5msi Column diameter: 0.25

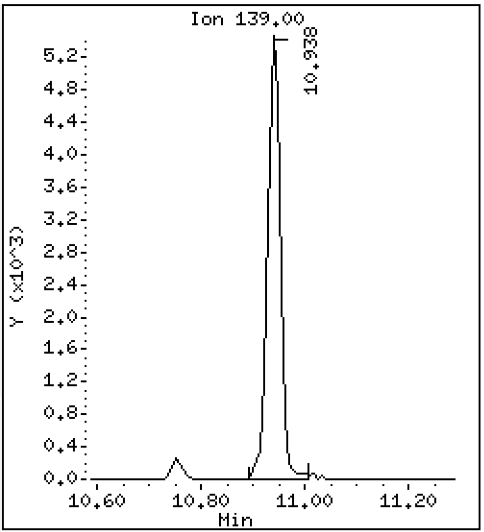
21 2-Nitrophenol Concentration: 0.4561 ug/mL

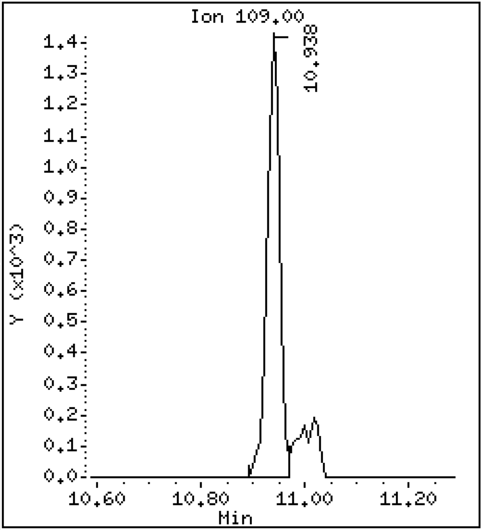

Scan 809 (10.938 min) of NT1422123052.D


Scan 809 (10.938 min) of NT1422123052.D (Subtracted)


21 2-Nitrophenol (Reference Spectrum)


Scan 809 (10.938 min) of NT1422123052.D (% DIFFERENCE)


Ion 139.00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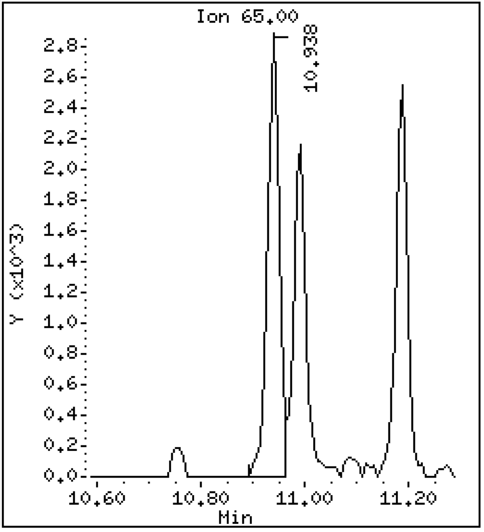

Ion 65.00

Data File: \\target\share\chem3\nt14.i\20221230B.b\NT1422123052.D

Date : 31-DEC-2022 15:05

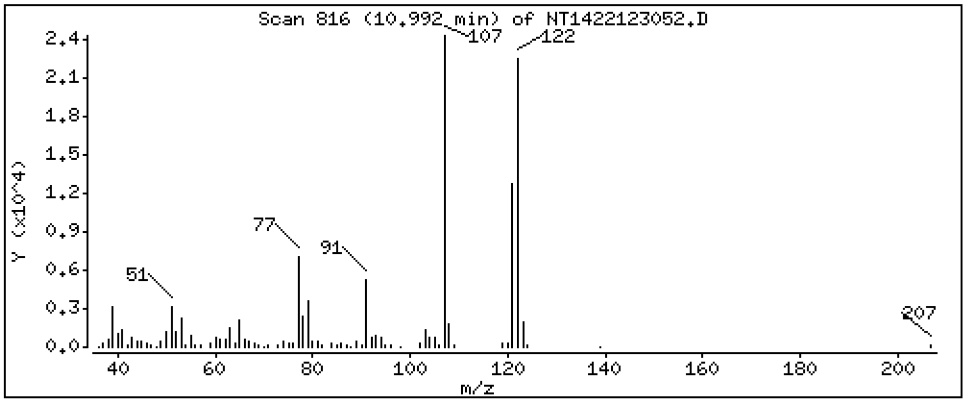
Client ID: Instrument: nt14.i

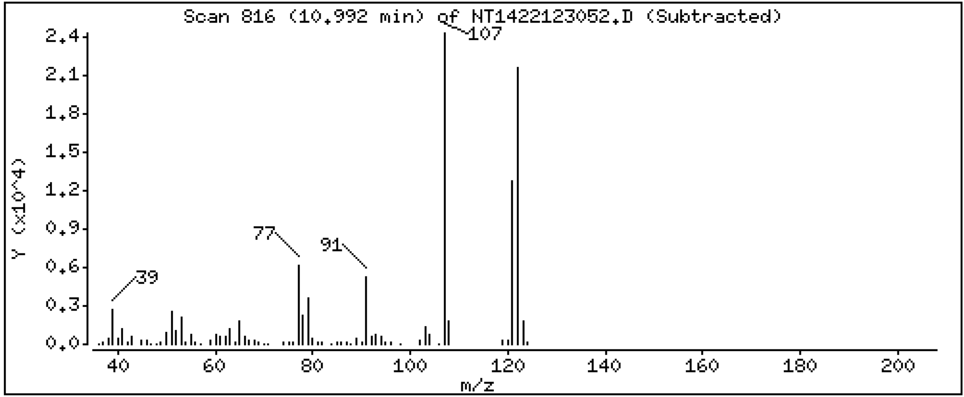
Sample Info: SKL0356-LCV2

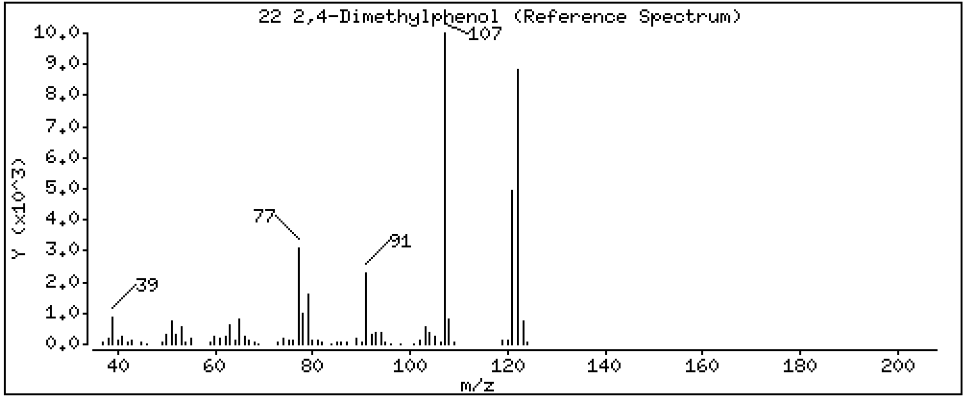
Operator: VTS

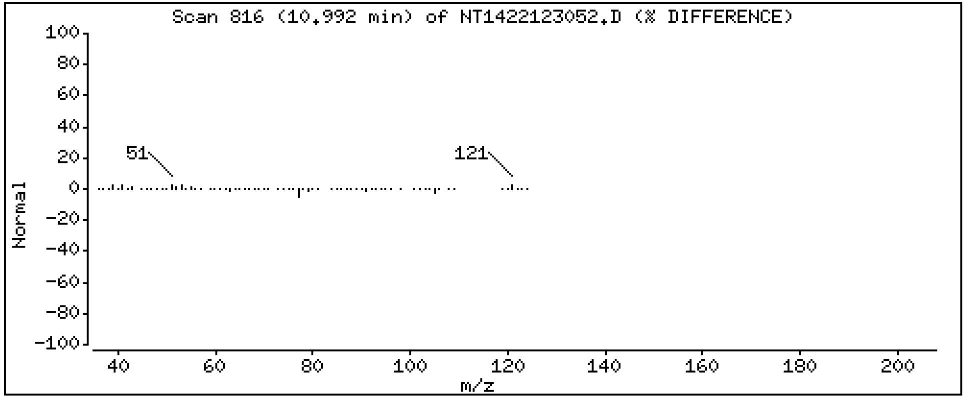
Column phase: ZB-5msi Column diameter: 0.25

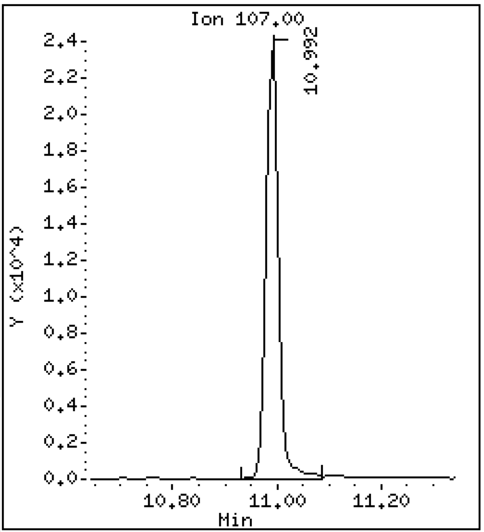
22 2,4-Dimethylphenol Concentration: 0.9882 ug/mL

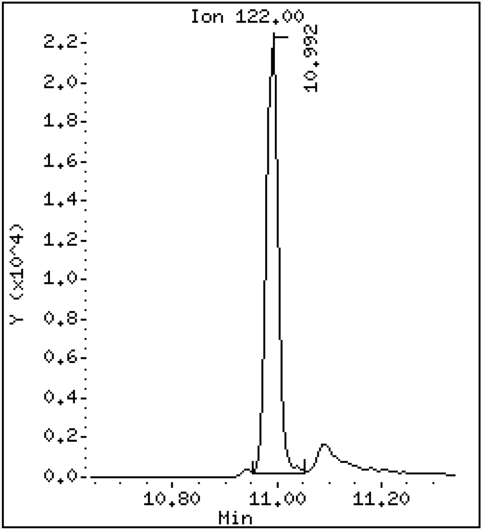


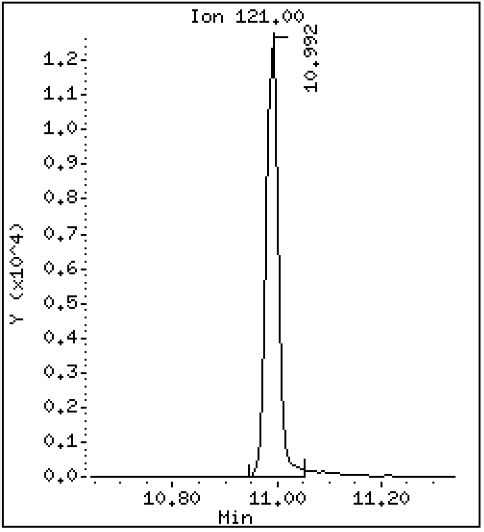












Data File: \\target\share\chem3\nt14.i\20221230B.b\NT1422123052.D

Date : 31-DEC-2022 15:05

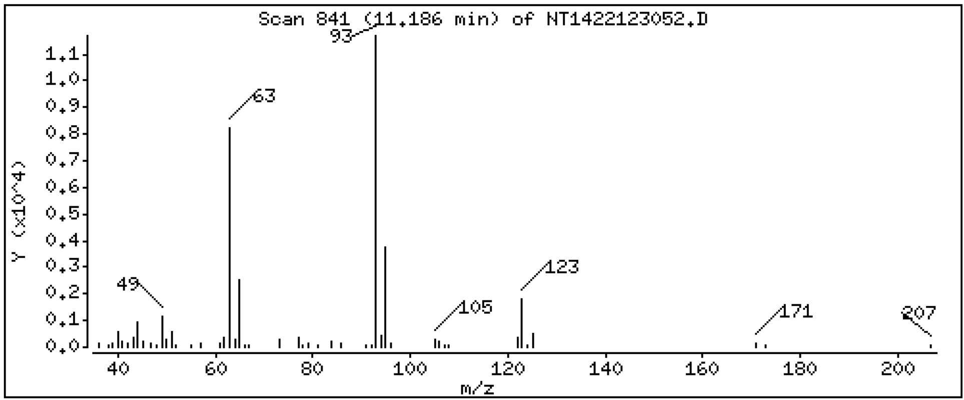
Client ID: Instrument: nt14.i

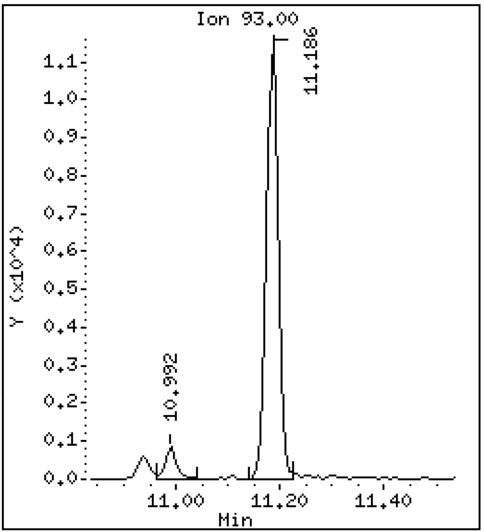
Sample Info: SKL0356-LCV2

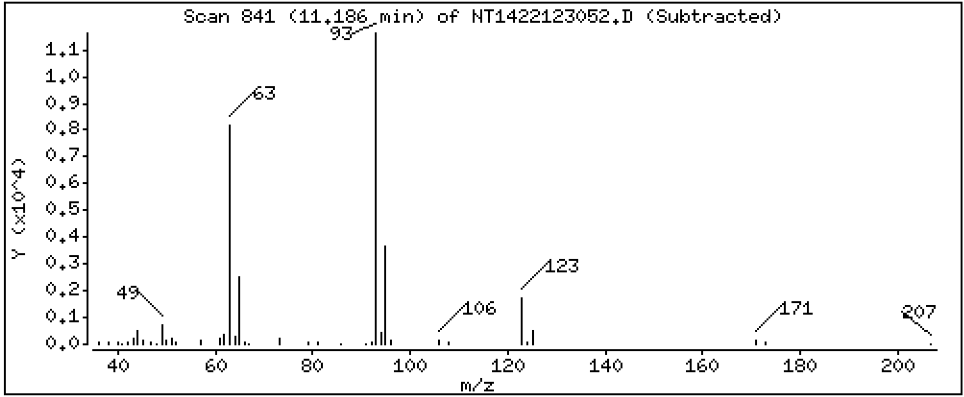
Operator: VTS

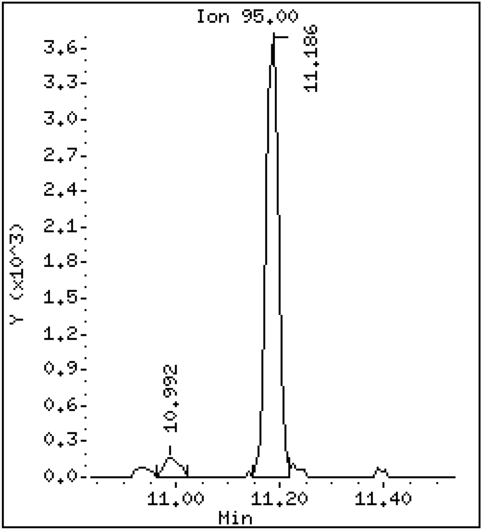
Column phase: ZB-5msi Column diameter: 0.25

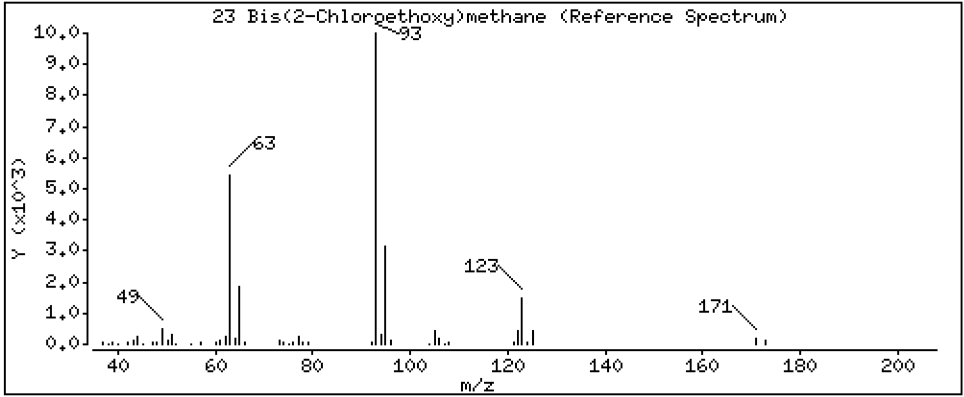
23 Bis(2-Chloroethoxy)methane Concentration: 0.4840 ug/mL

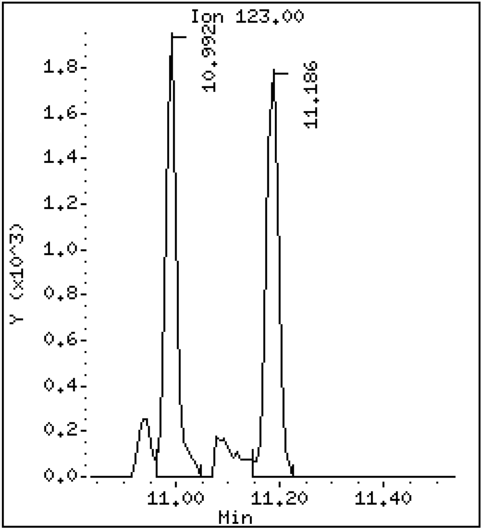


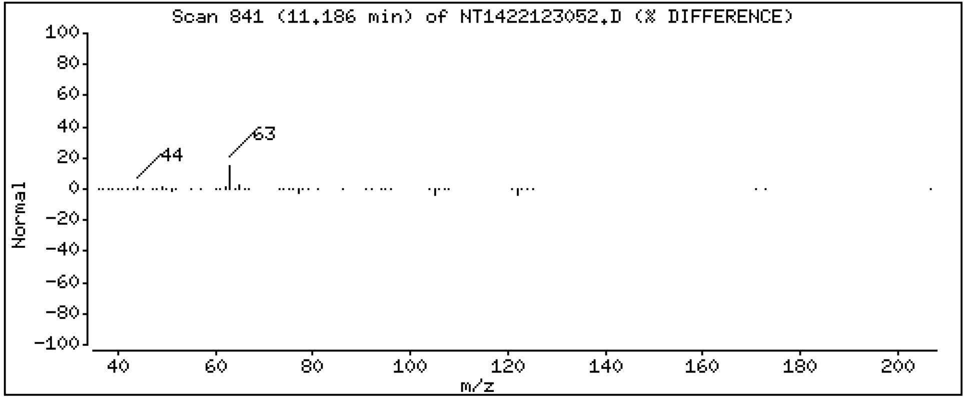












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Date : 31-DEC-2022 15:05

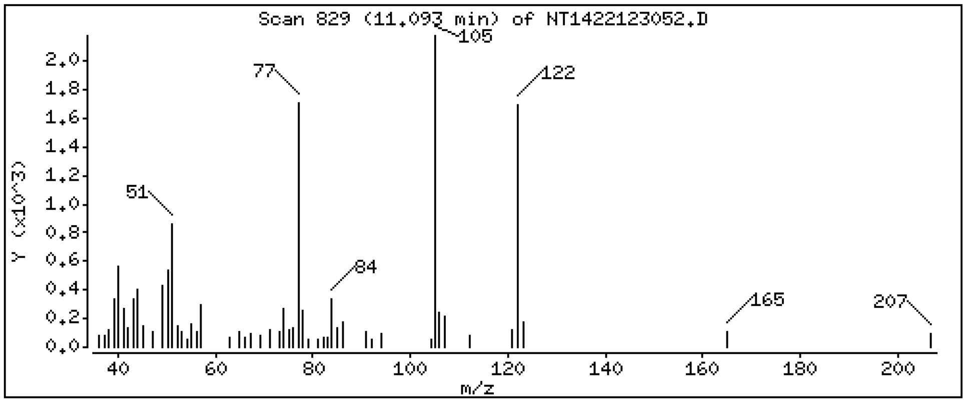
Client ID: Instrument: nt14.i

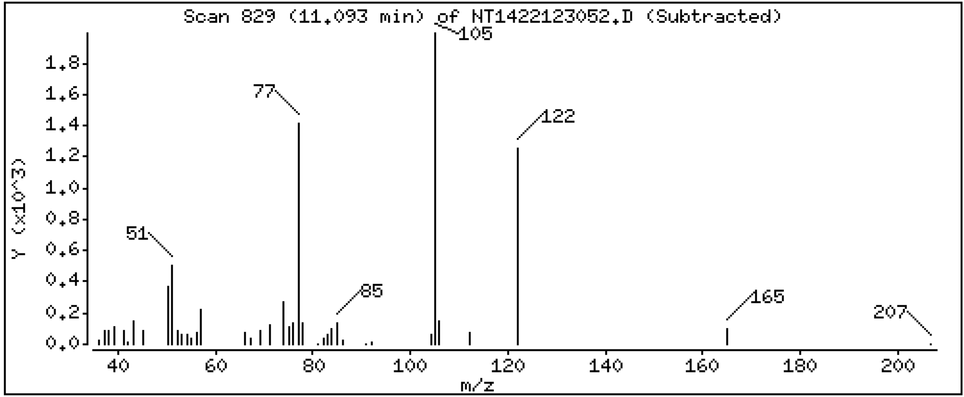
Sample Info: SKL0356-LCV2

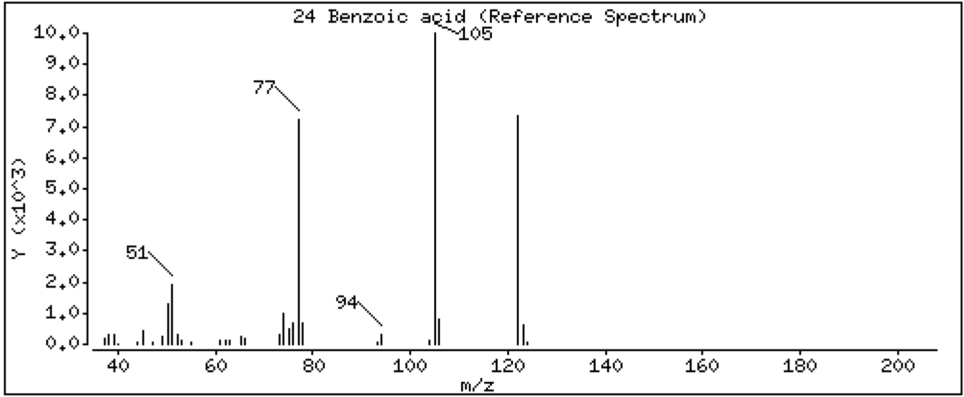
Operator: VTS

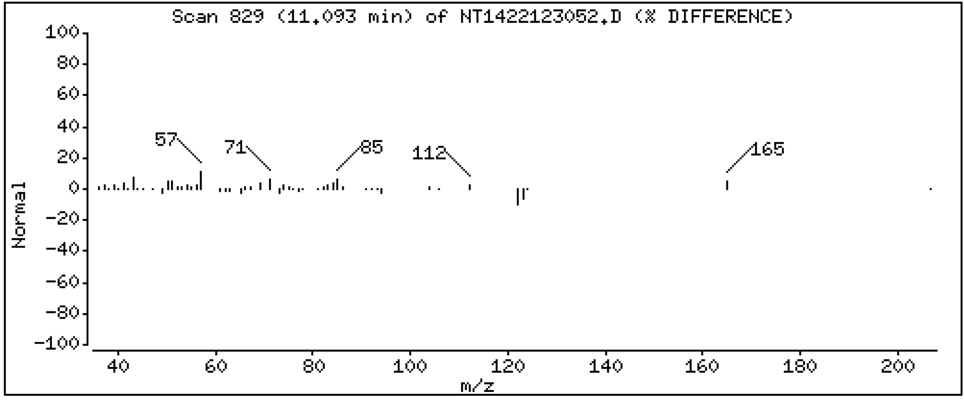
Column phase: ZB-5msi Column diameter: 0.25

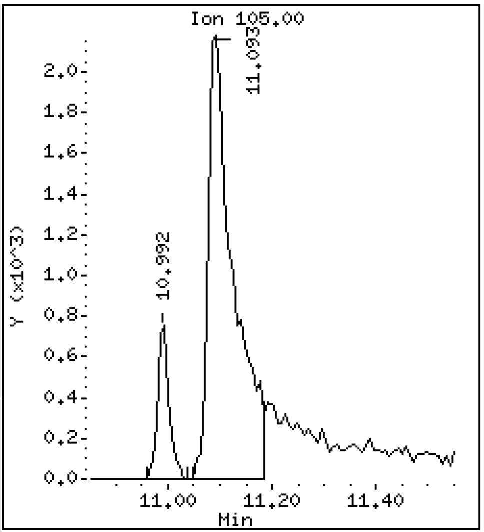
24 Benzoic acid Concentration: 0.3306 ug/mL

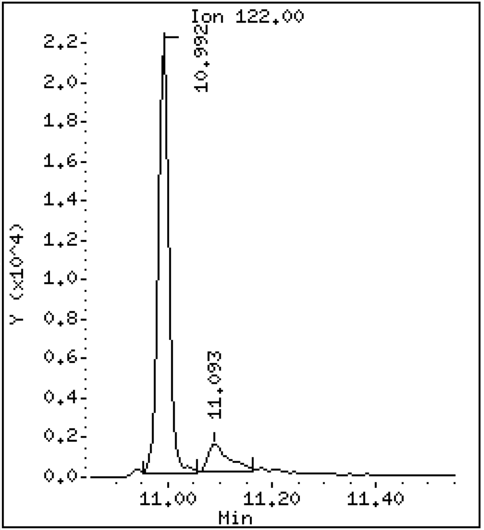


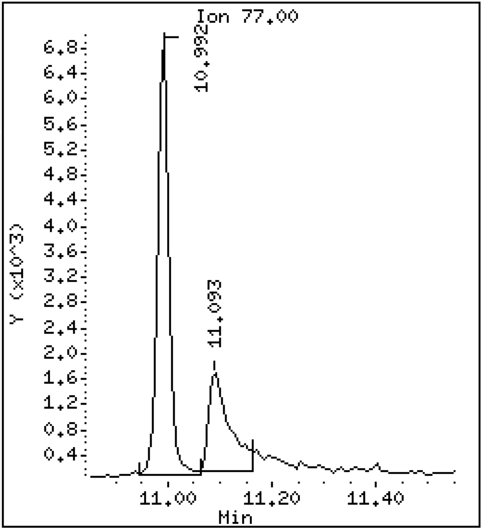












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Date : 31-DEC-2022 15:05

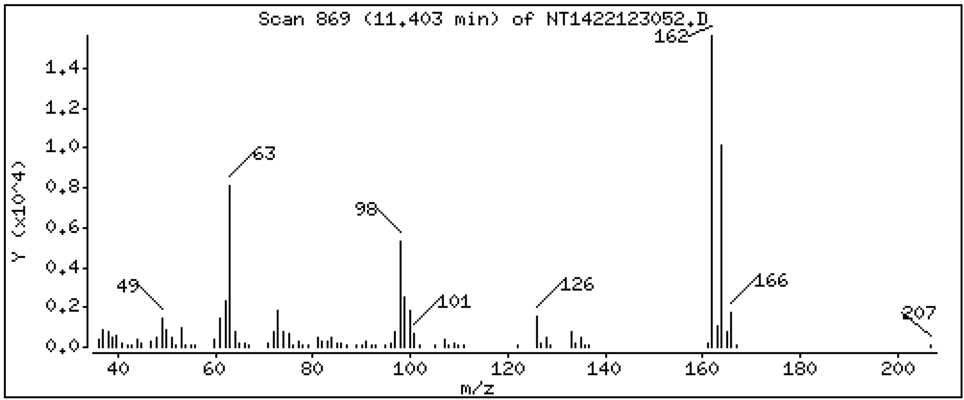
Client ID: Instrument: nt14.i

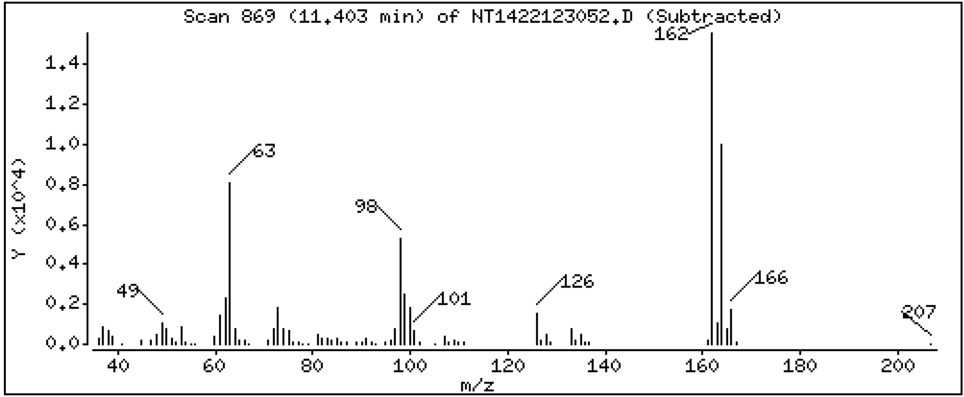
Sample Info: SKL0356-LCV2

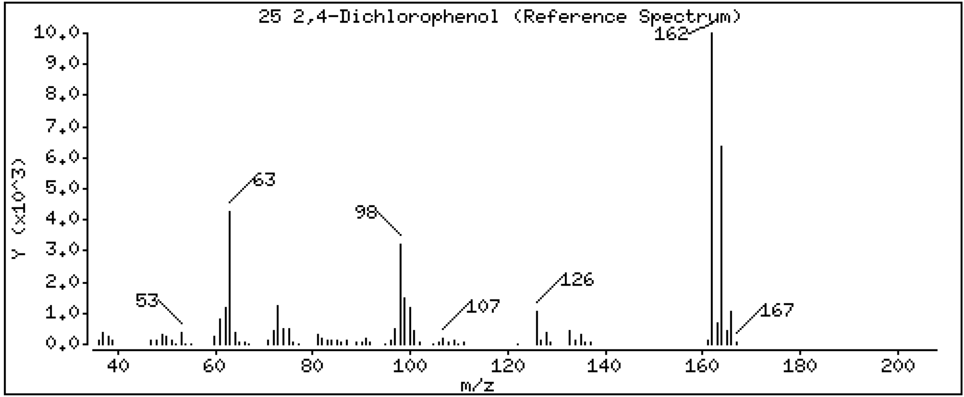
Operator: VTS

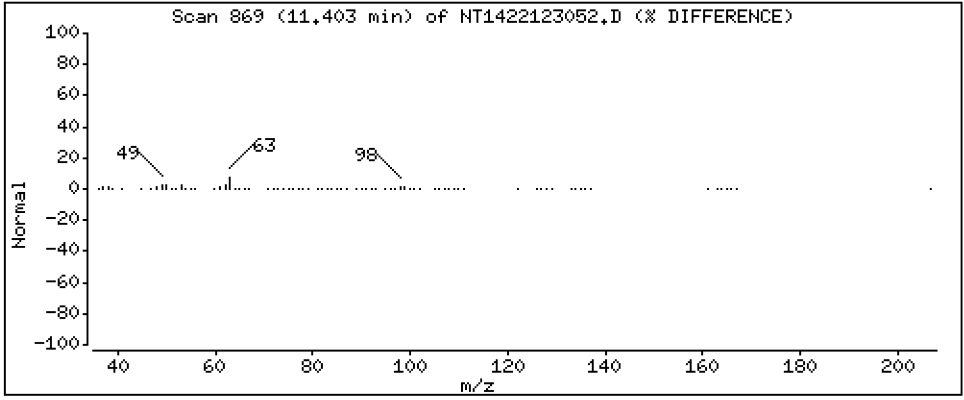
Column phase: ZB-5msi Column diameter: 0.25

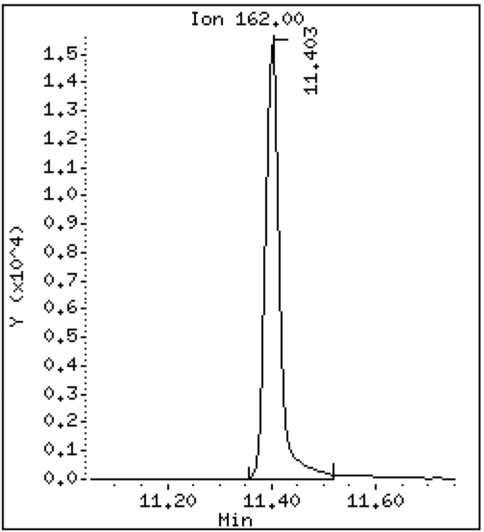
25 2,4-Dichlorophenol Concentration: 0.9922 ug/mL

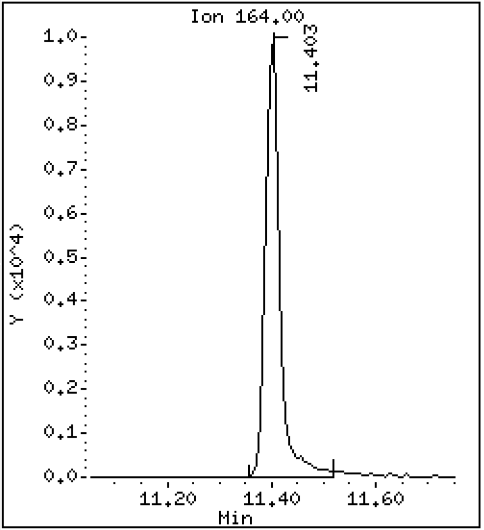


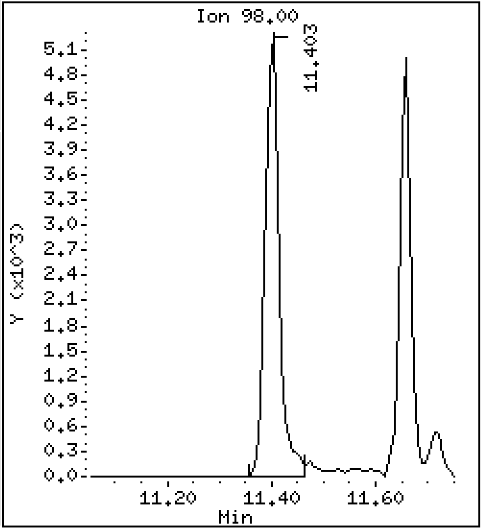












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Date : 31-DEC-2022 15:05

Client ID:

Instrument: nt14.i

Sample Info: SKL0356-LCV2

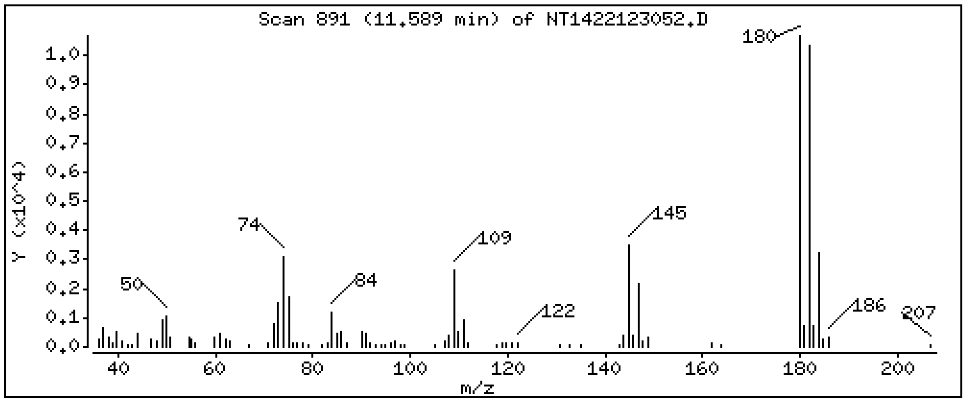
Operator: VTS

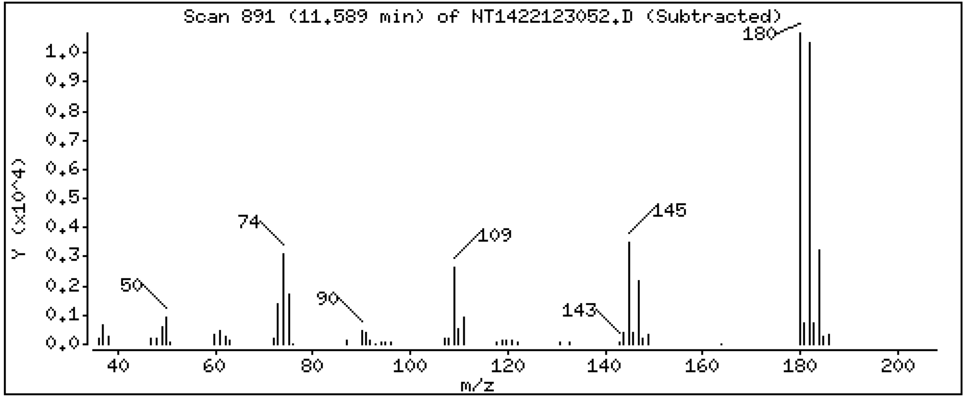
Column phase: ZB-5msi

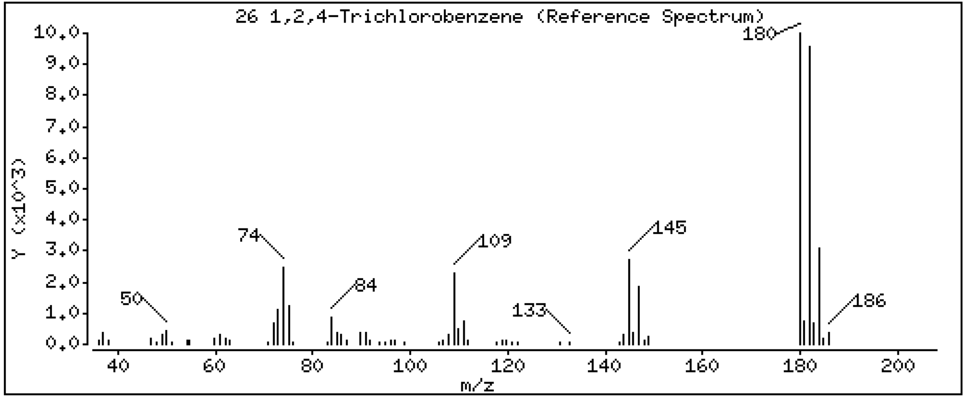
Column diameter: 0.25

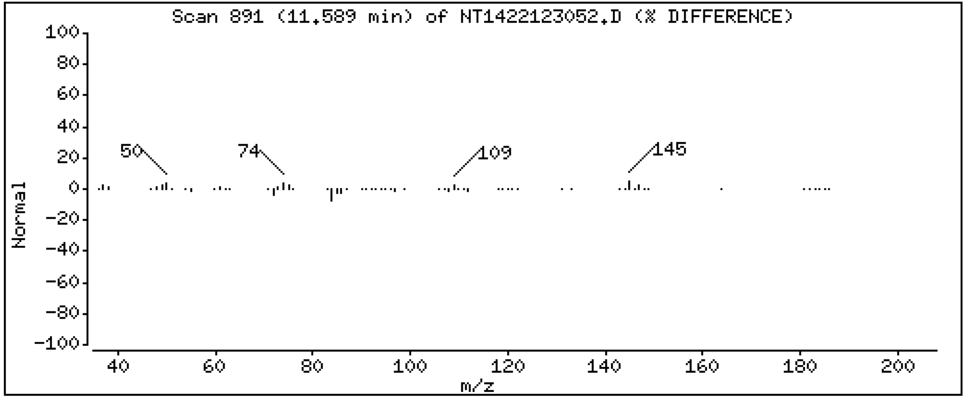
26 1,2,4-Trichlorobenzene

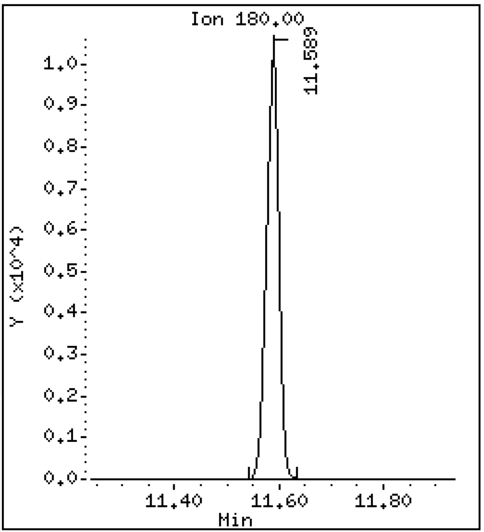
Concentration: 0.4816 ug/mL

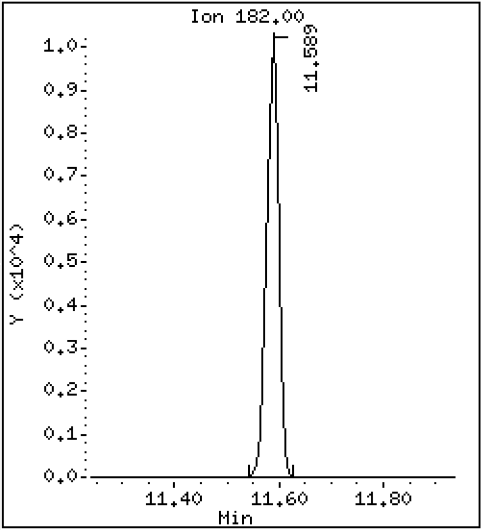


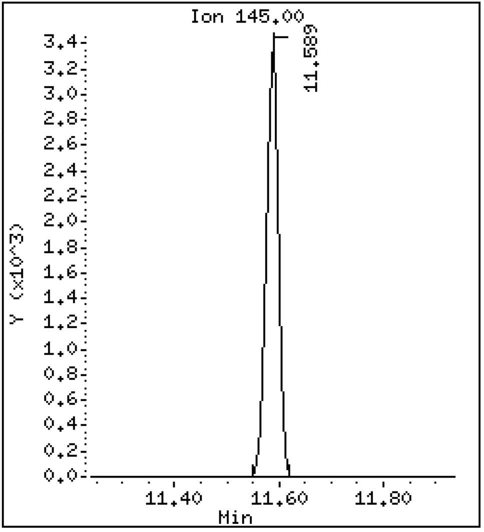












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Date : 31-DEC-2022 15:05

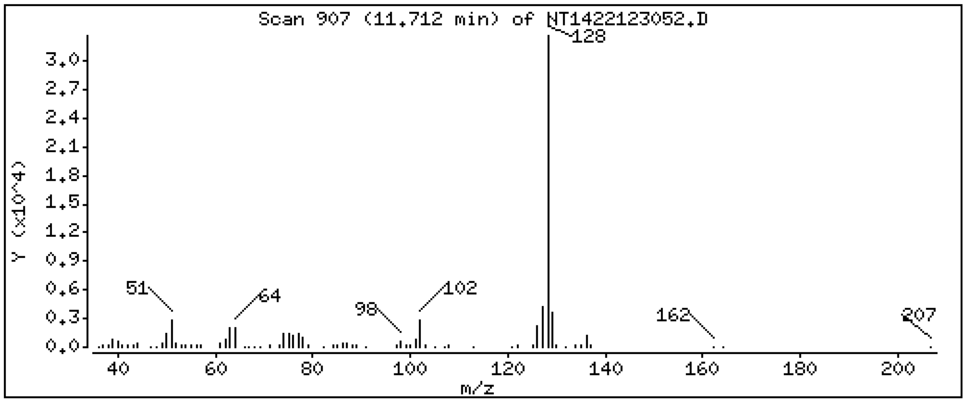
Client ID: Instrument: nt14.i

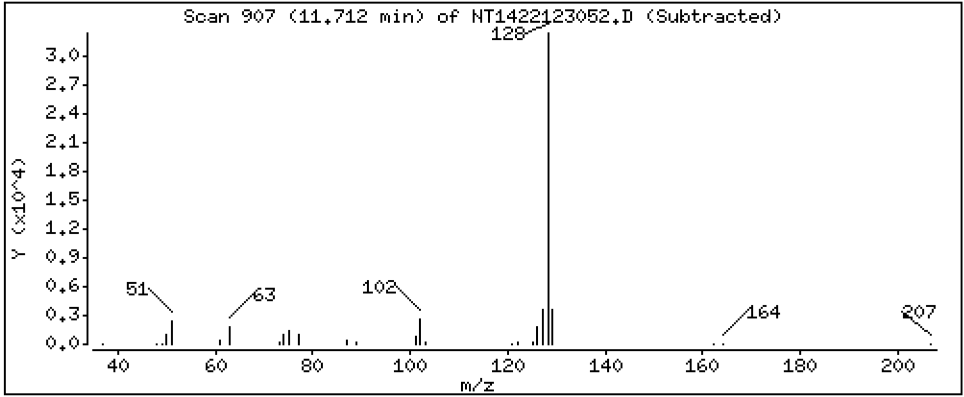
Sample Info: SKL0356-LCV2

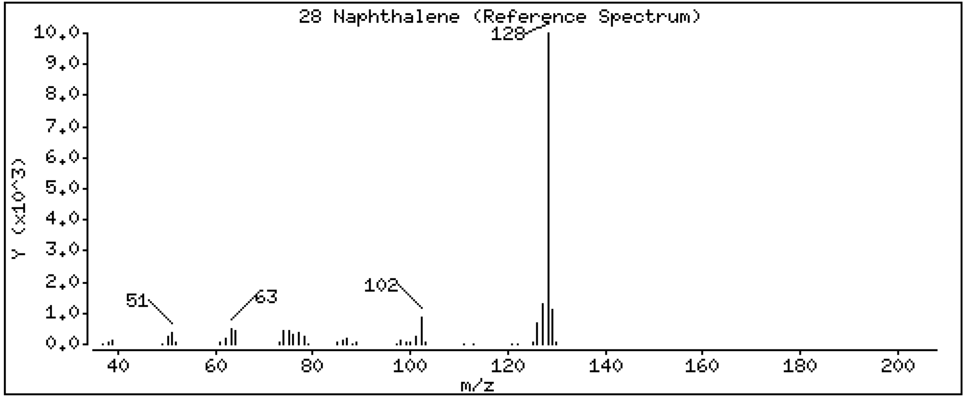
Operator: VTS

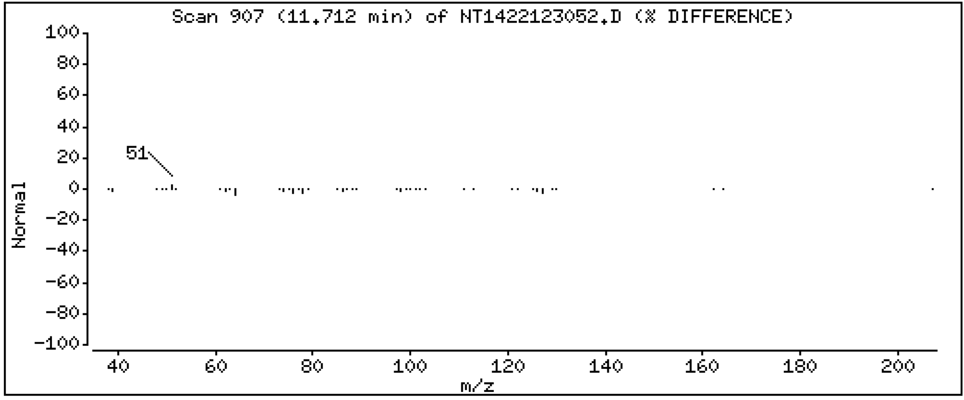
Column phase: ZB-5msi Column diameter: 0.25

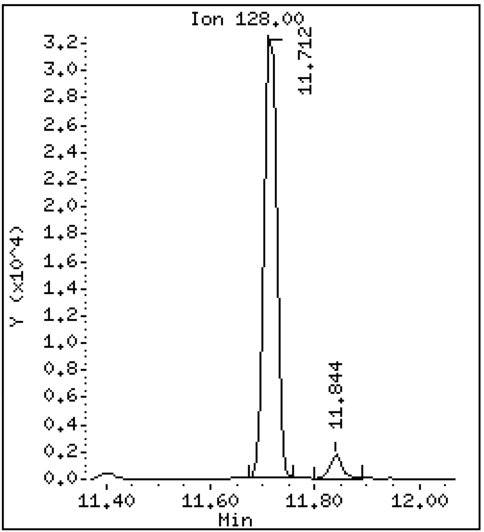
28 Naphthalene Concentration: 0.4844 ug/mL

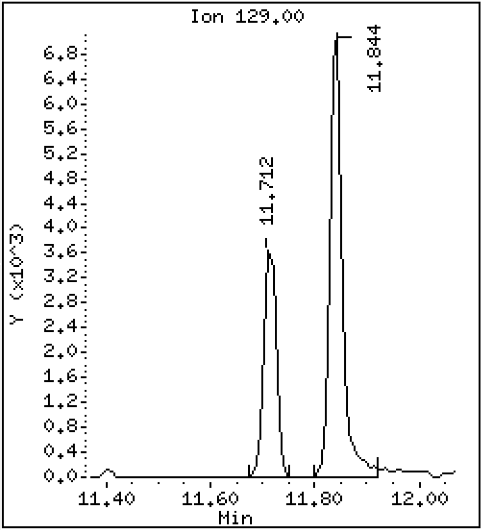

Scan 907 (11.712 min) of NT1422123052.D


Scan 907 (11.712 min) of NT1422123052.D (Subtracted)


28 Naphthalene (Reference Spectrum)


Scan 907 (11.712 min) of NT1422123052.D (% DIFFERENCE)


Ion 128.00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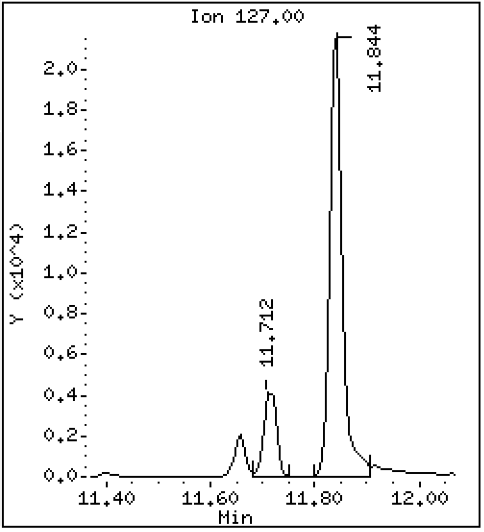
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Data File: \\target\share\chem3\nt14.i\20221230B.b\NT1422123052.D

Date : 31-DEC-2022 15:05

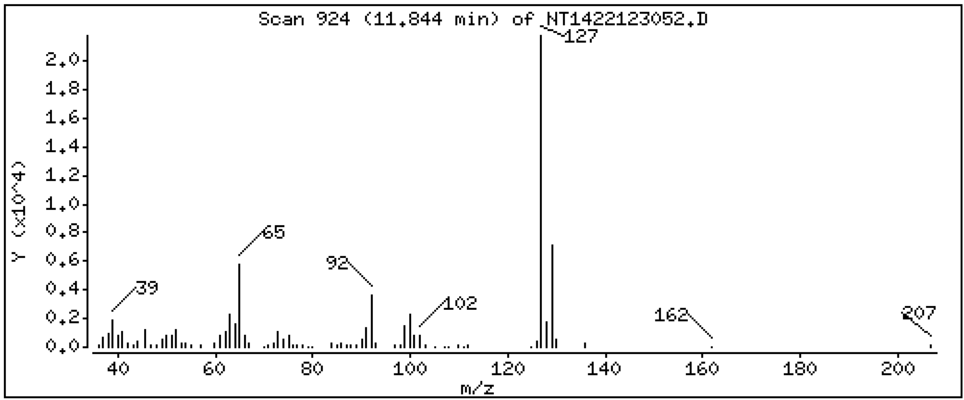
Client ID: Instrument: nt14.i

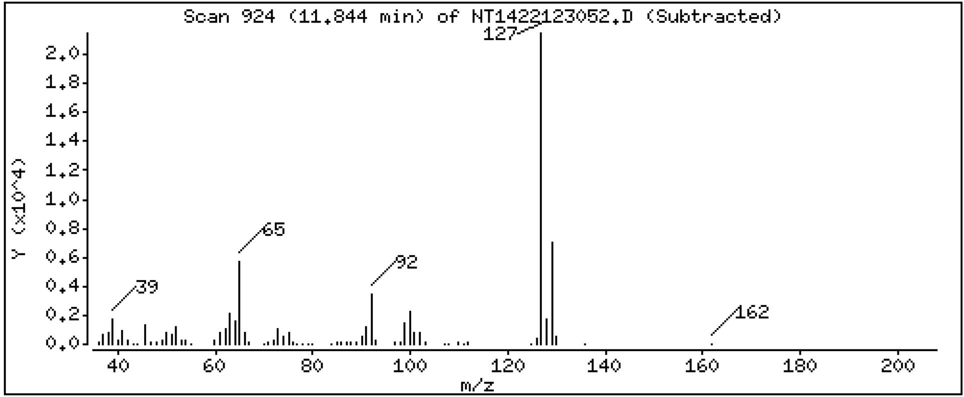
Sample Info: SKL0356-LCV2

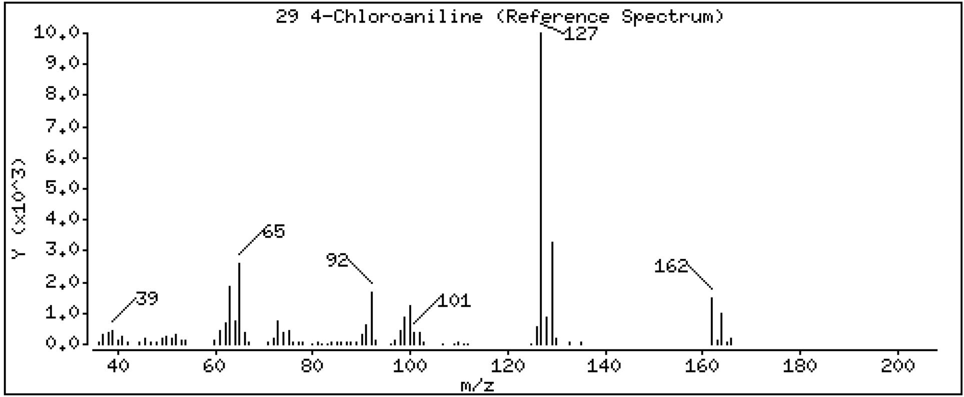
Operator: VTS

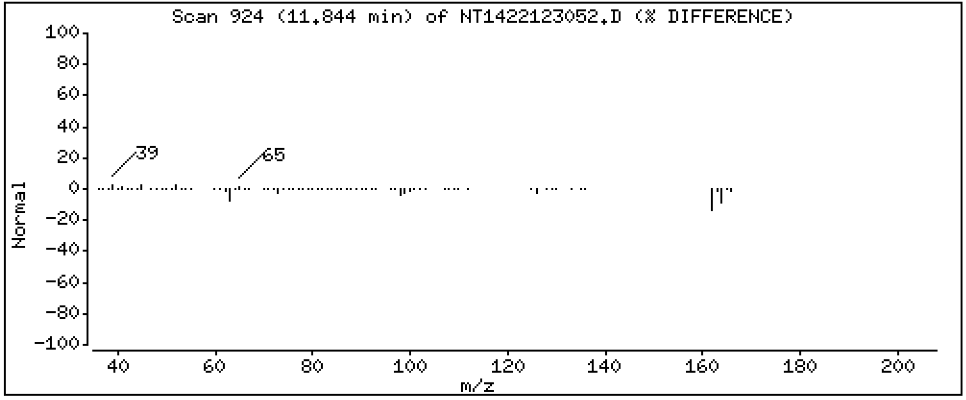
Column phase: ZB-5msi Column diameter: 0.25

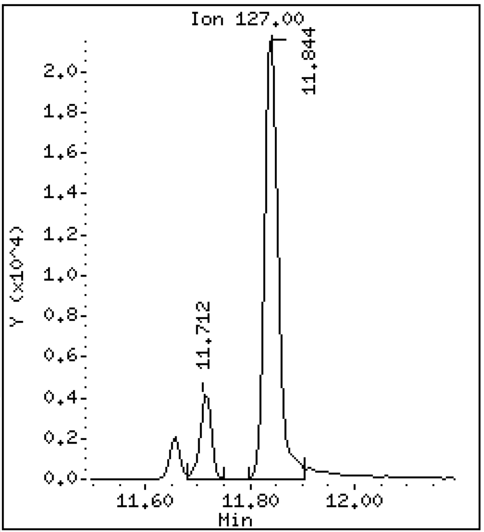
29 4-Chloroaniline Concentration: 0.8698 ug/mL


Scan 924 (11.844 min) of NT1422123052.D


Scan 924 (11.844 min) of NT1422123052.D (Subtracted)


29 4-Chloroaniline (Reference Spectrum)


Scan 924 (11.844 min) of NT1422123052.D (% DIFFERENCE)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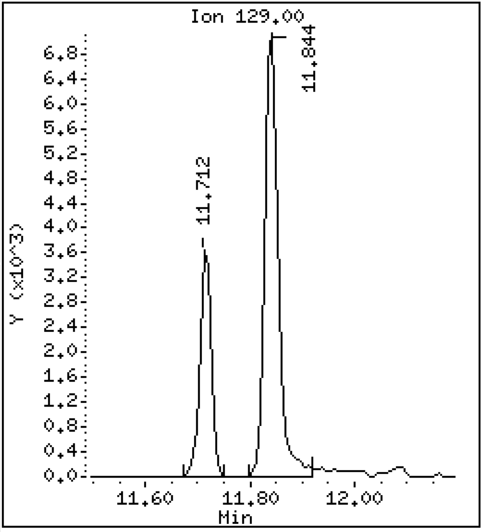
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Date : 31-DEC-2022 15:05

Client ID:

Instrument: nt14.i

Sample Info: SKL0356-LCV2

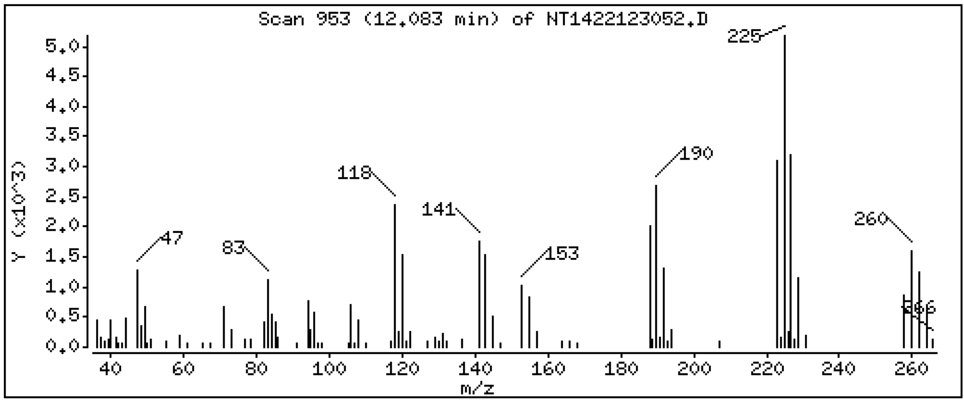
Operator: VTS

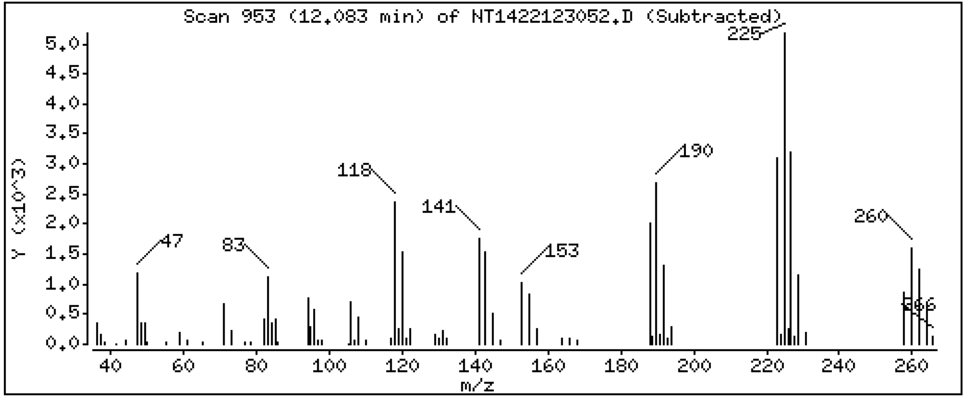
Column phase: ZB-5msi

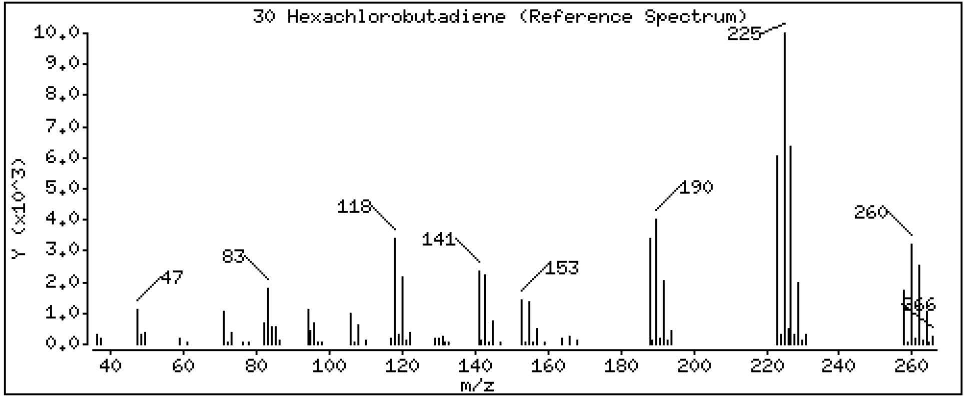
Column diameter: 0.25

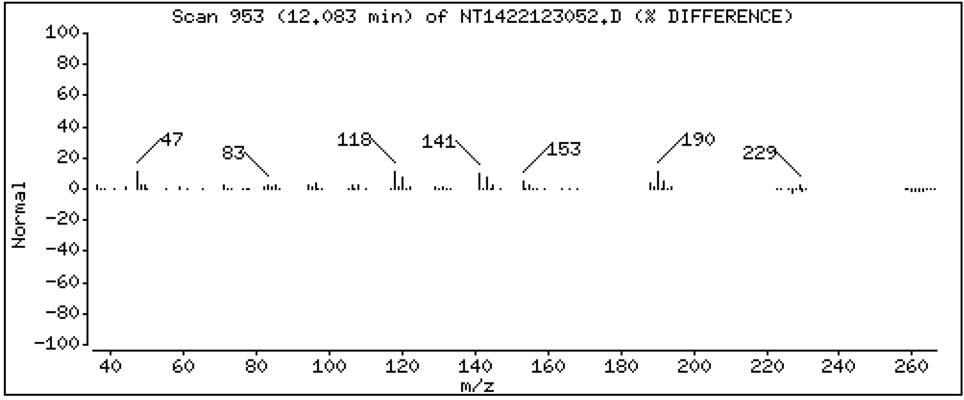
30 Hexachlorobutadiene

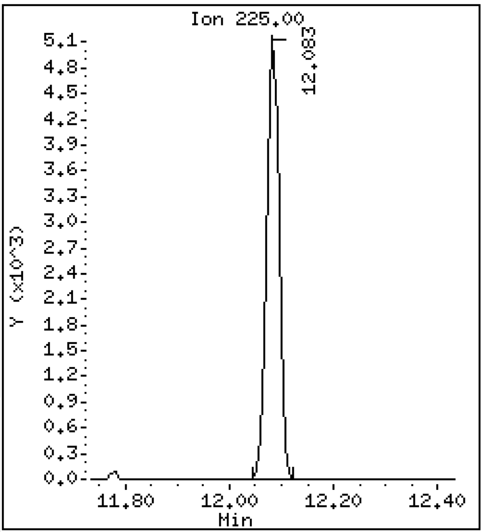
Concentration: 0.4710 ug/mL


Scan 953 (12.083 min) of NT1422123052.D


Scan 953 (12.083 min) of NT1422123052.D (Subtracted)


30 Hexachlorobutadiene (Reference Spectrum)


Scan 953 (12.083 min) of NT1422123052.D (% DIFFERENCE)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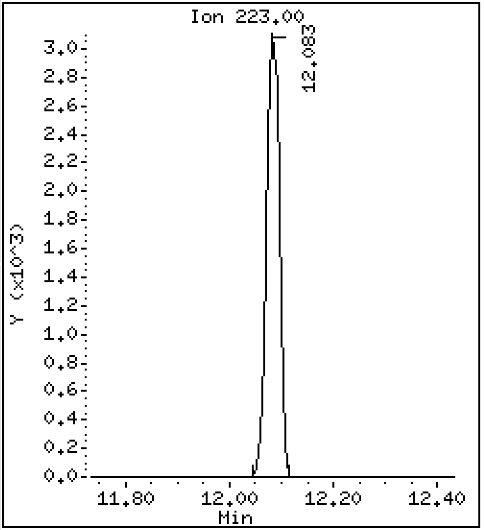
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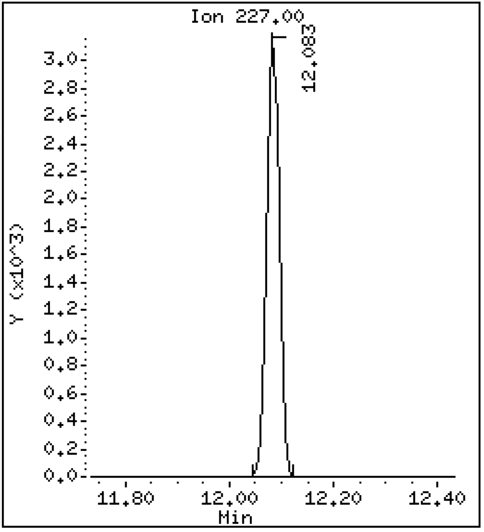
Ion 227.00

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Date : 31-DEC-2022 15:05

Client ID:

Instrument: nt14.i

Sample Info: SKL0356-LCV2

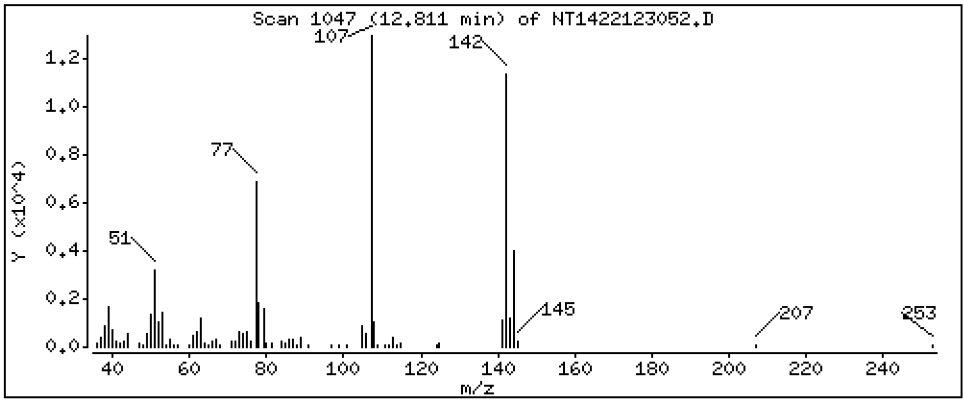
Operator: VTS

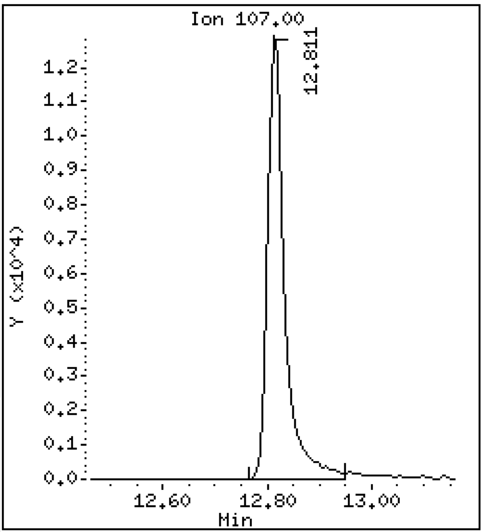
Column phase: ZB-5msi

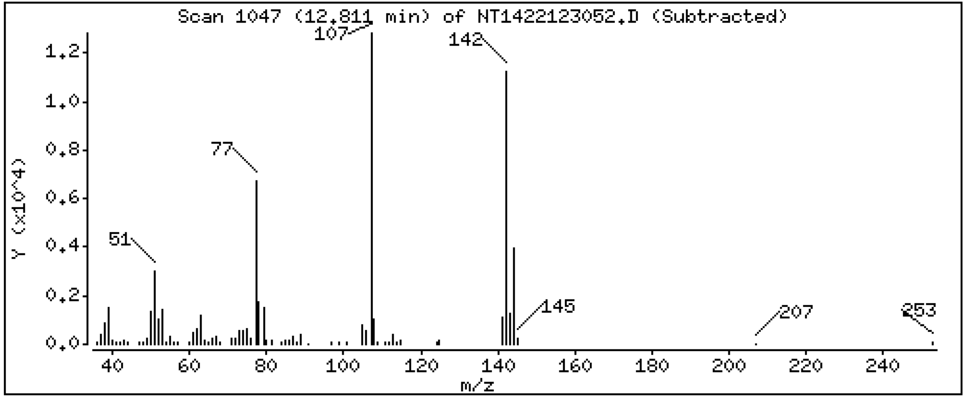
Column diameter: 0.25

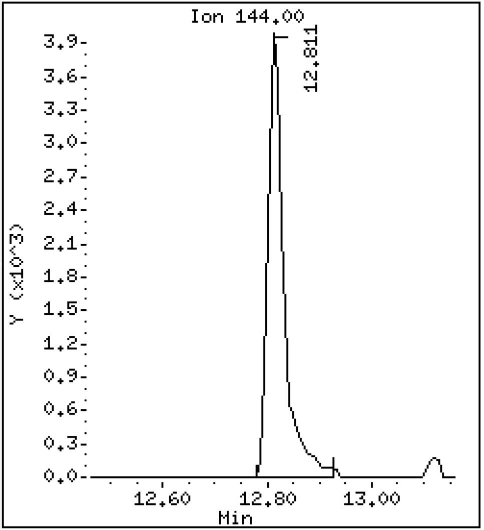
31 4-Chloro-3-methylphenol

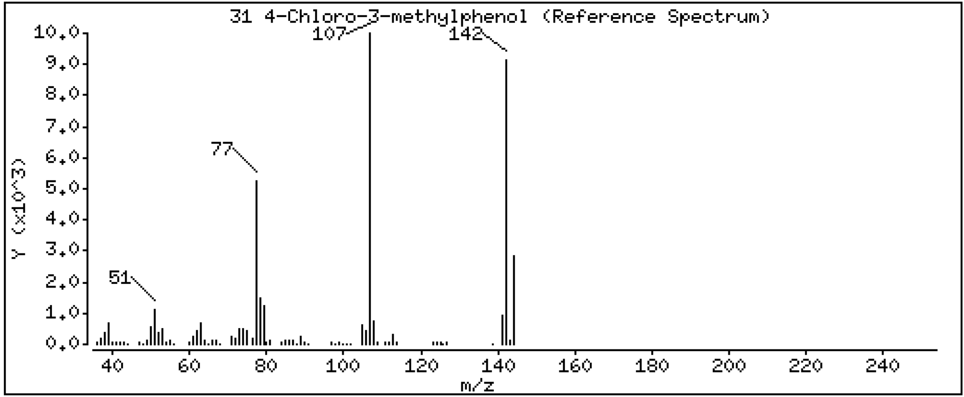
Concentration: 0.9524 ug/mL

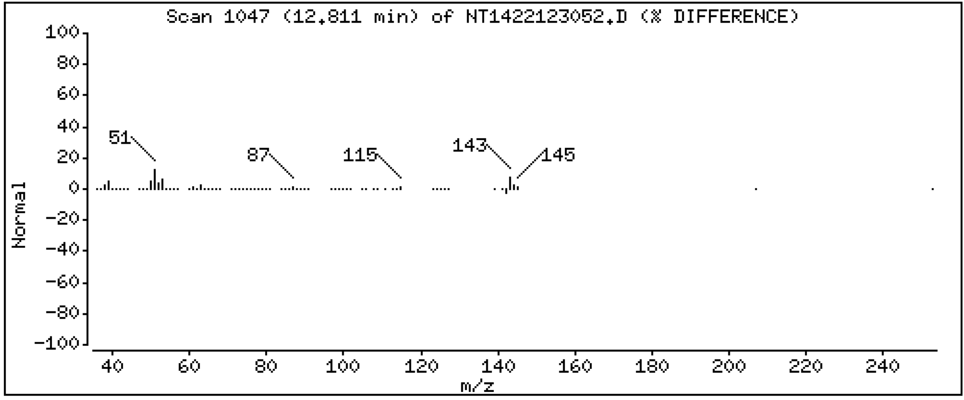


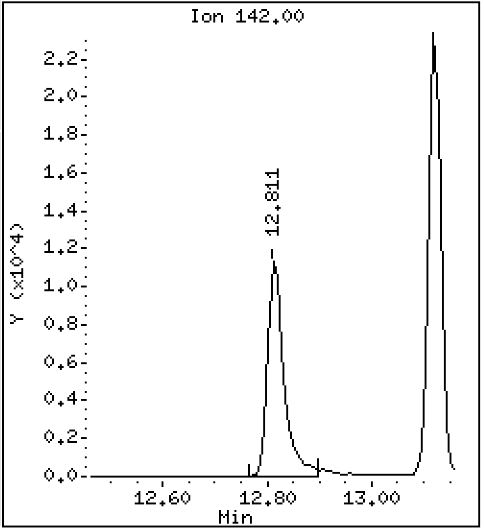












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Date : 31-DEC-2022 15:05

Client ID:

Instrument: nt14.i

Sample Info: SKL0356-LCV2

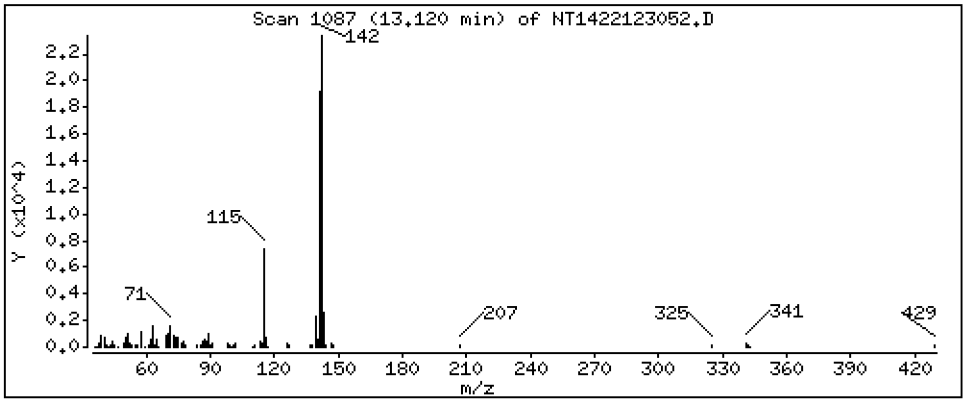
Operator: VTS

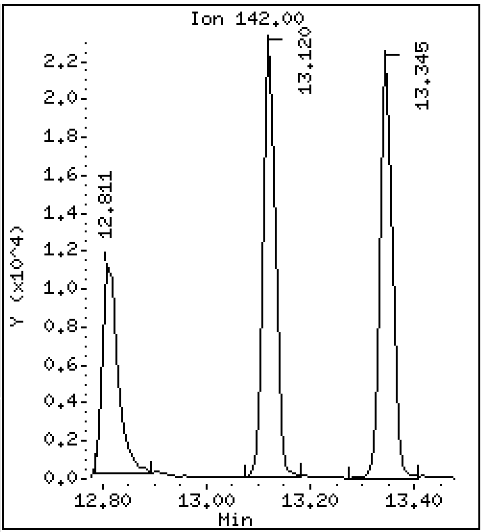
Column phase: ZB-5msi

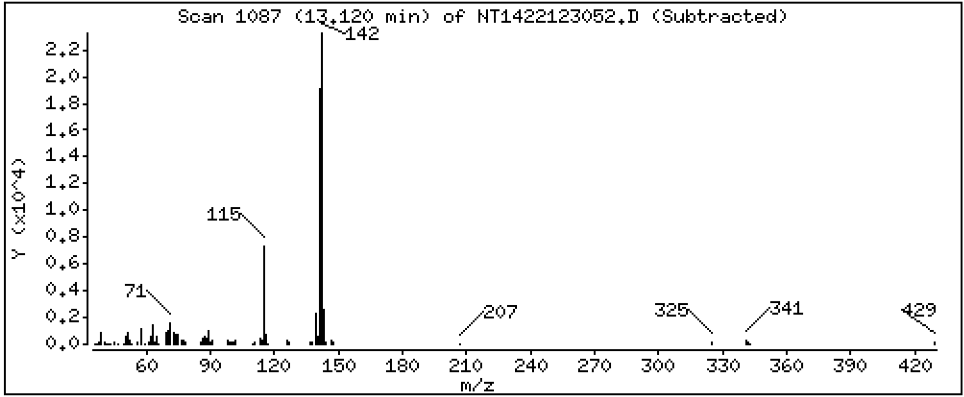
Column diameter: 0.25

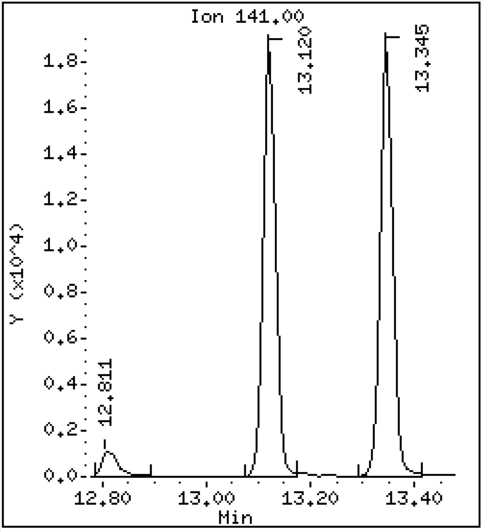
32 2-Methylnaphthalene

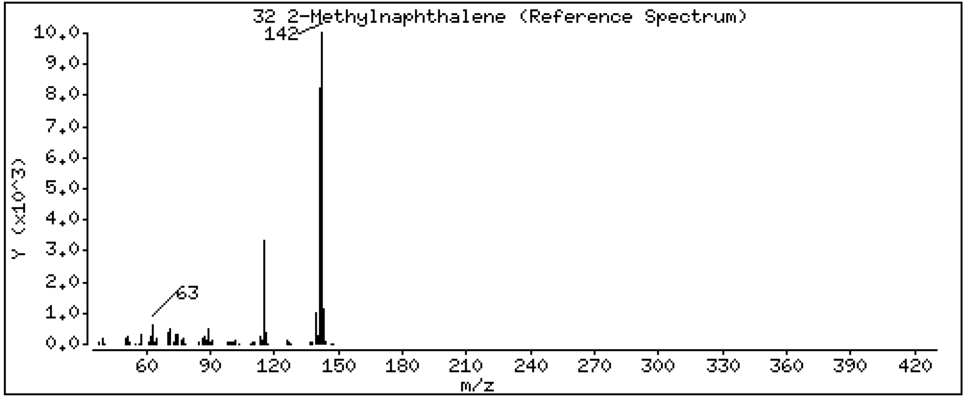
Concentration: 0.4676 ug/mL

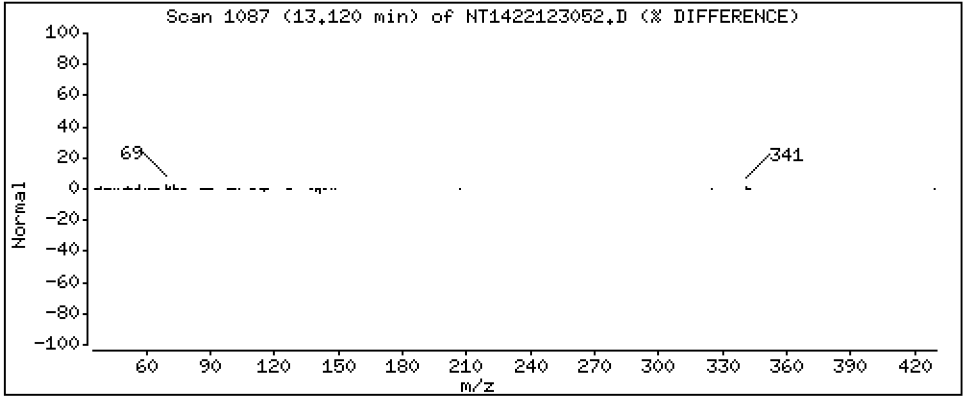












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Date : 31-DEC-2022 15:05

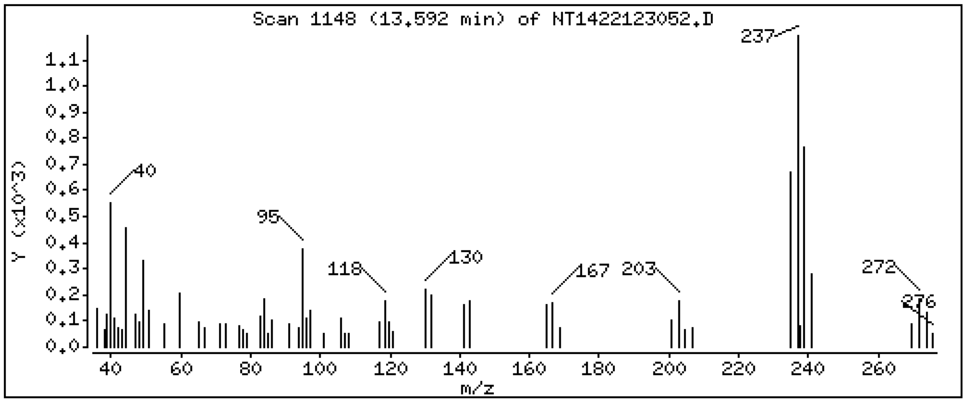
Client ID: Instrument: nt14.i

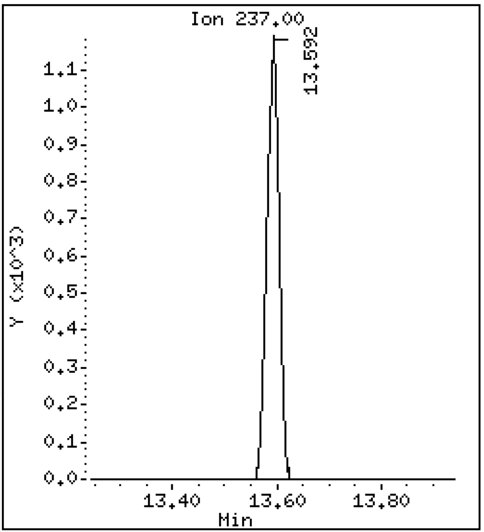
Sample Info: SKL0356-LCV2

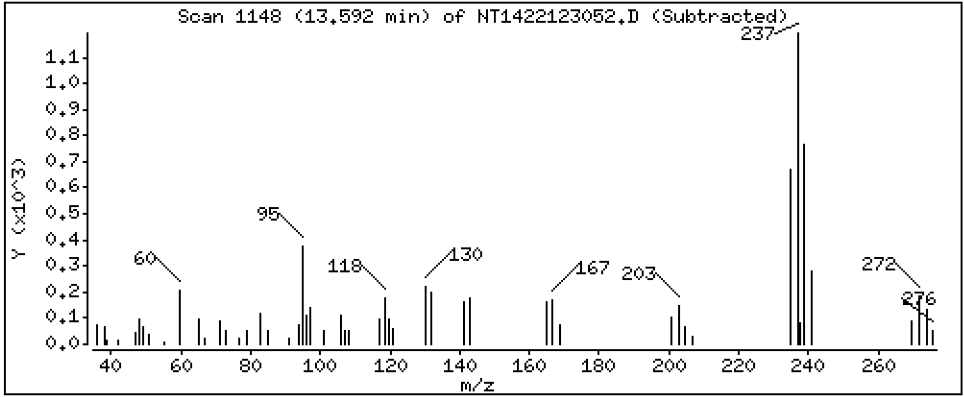
Operator: VTS

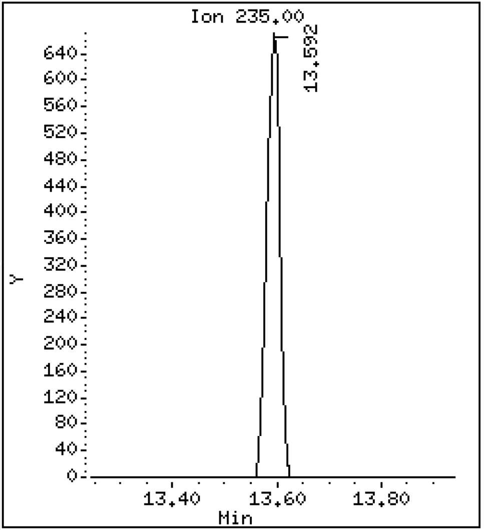
Column phase: ZB-5msi Column diameter: 0.25

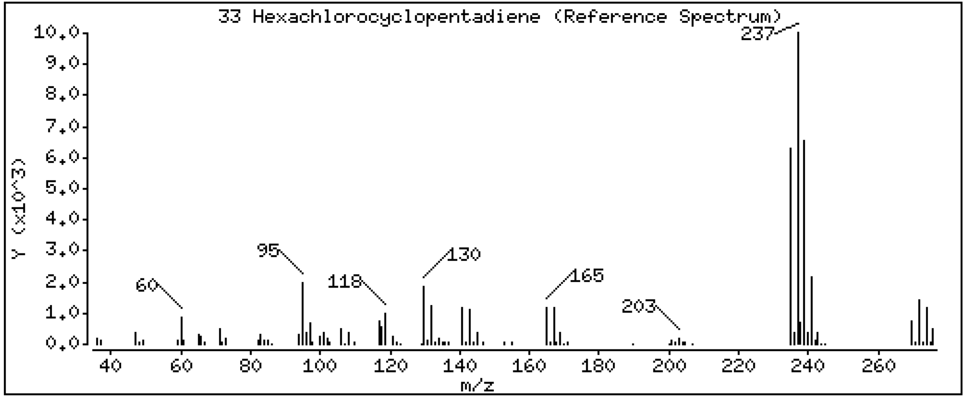
33 Hexachlorocyclopentadiene Concentration: 0.1074 ug/mL

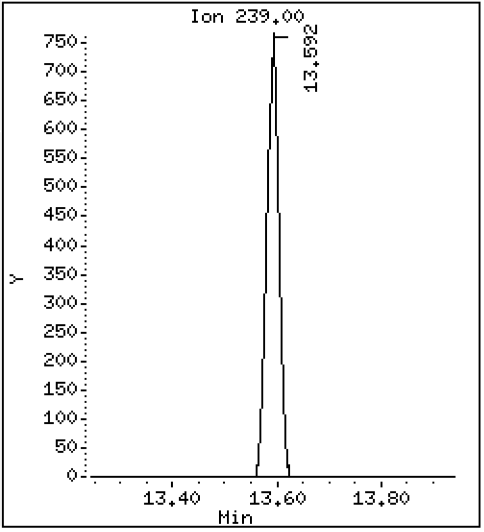


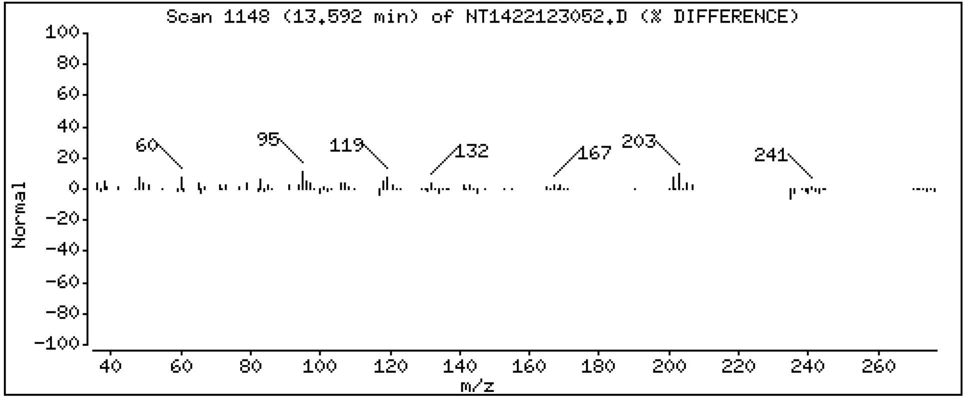












Date : 31-DEC-2022 15:05

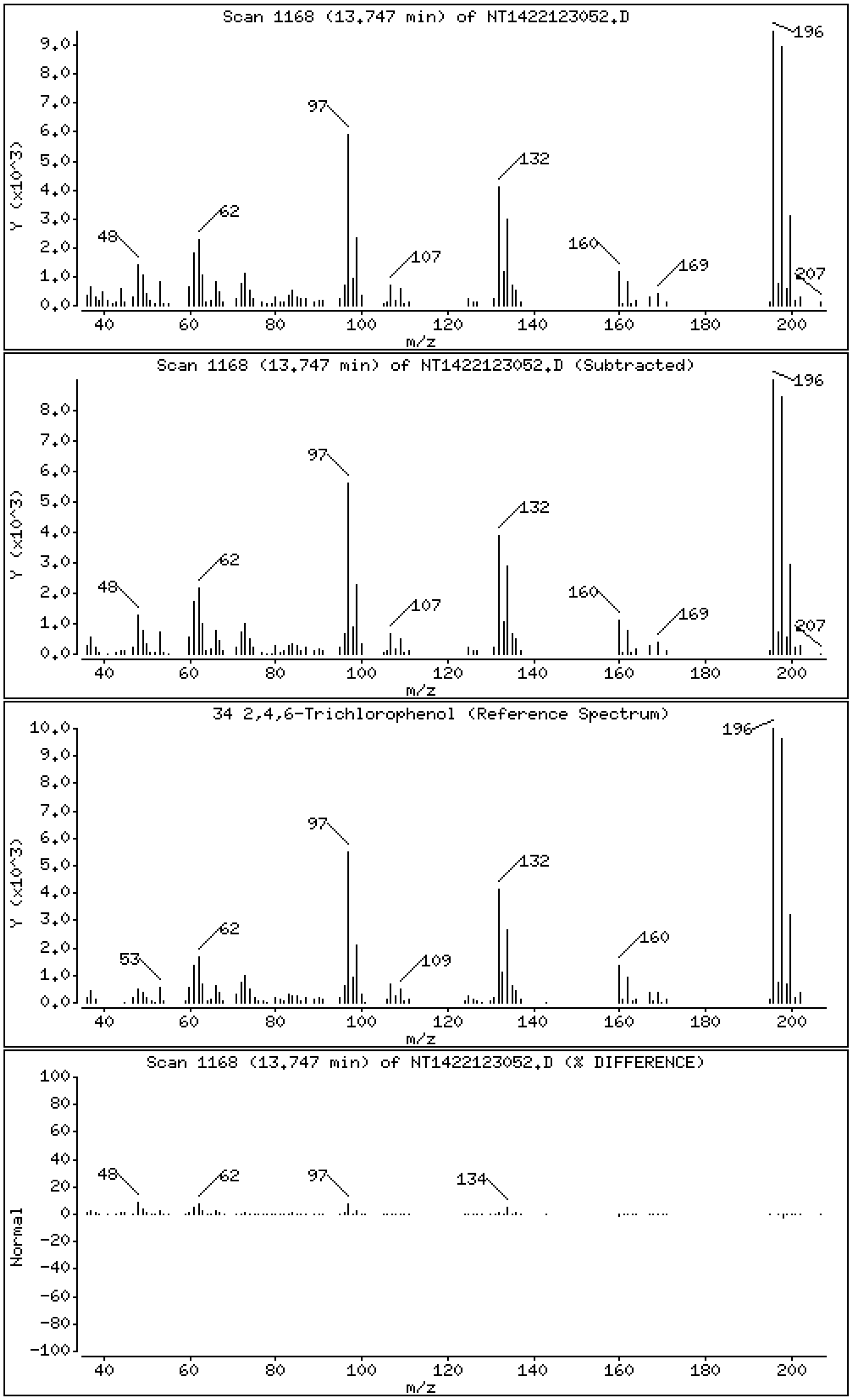
Client ID: Instrument: nt14.i

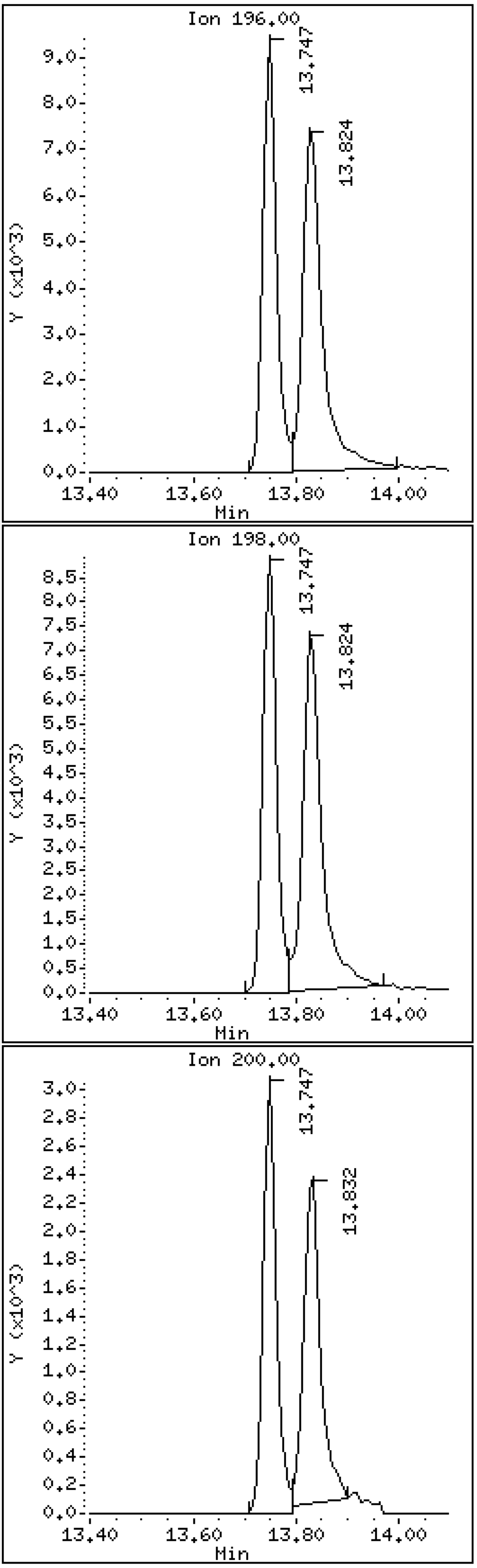
Sample Info: SKL0356-LCV2

Operator: VTS

Column phase: ZB-5msi Column diameter: 0.25

34 2,4,6-Trichlorophenol Concentration: 0.8903 ug/mL





Data File: \\target\share\chem3\nt14.i\20221230B.b\NT1422123052.D

Date : 31-DEC-2022 15:05

Client ID:

Instrument: nt14.i

Sample Info: SKL0356-LCV2

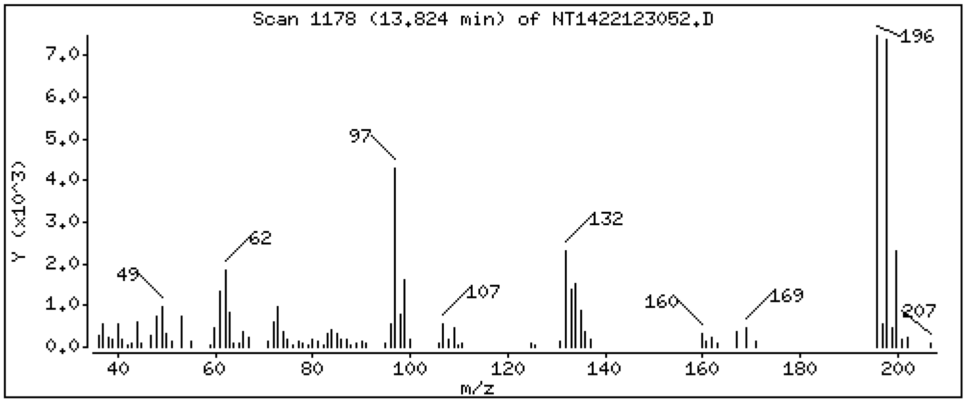
Operator: VTS

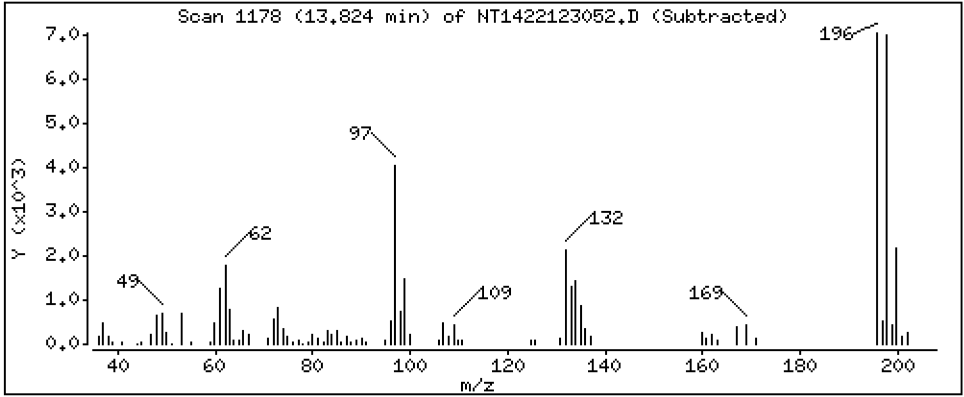
Column phase: ZB-5msi

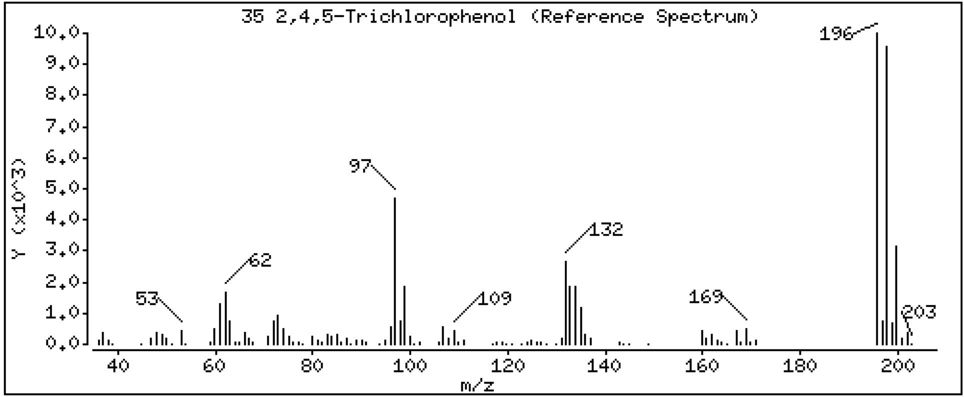
Column diameter: 0.25

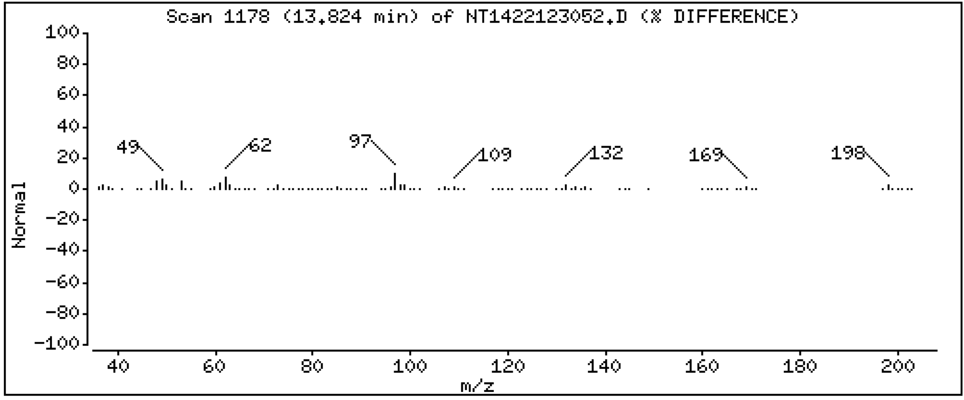
35 2,4,5-Trichlorophenol

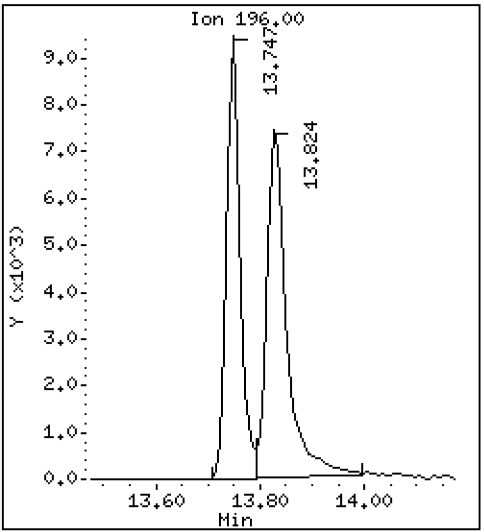
Concentration: 0.8994 ug/mL

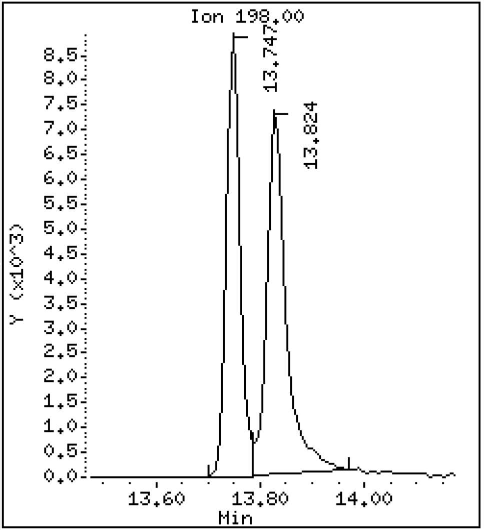


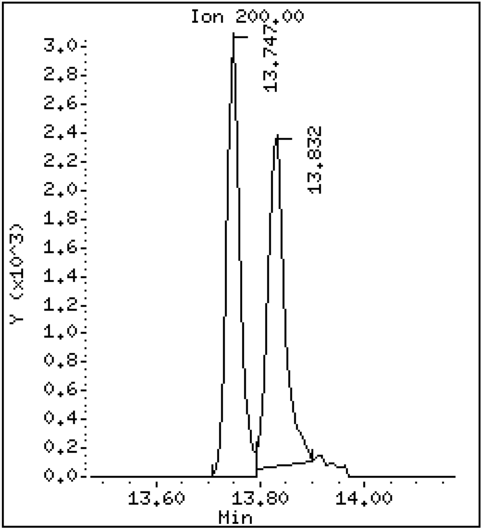












Data File: \\target\share\chem3\nt14.i\20221230B.b\NT1422123052.D

Date : 31-DEC-2022 15:05

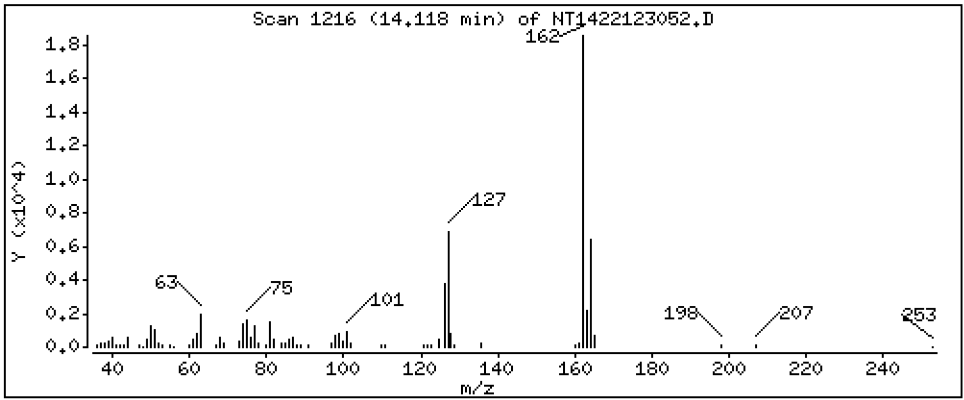
Client ID: Instrument: nt14.i

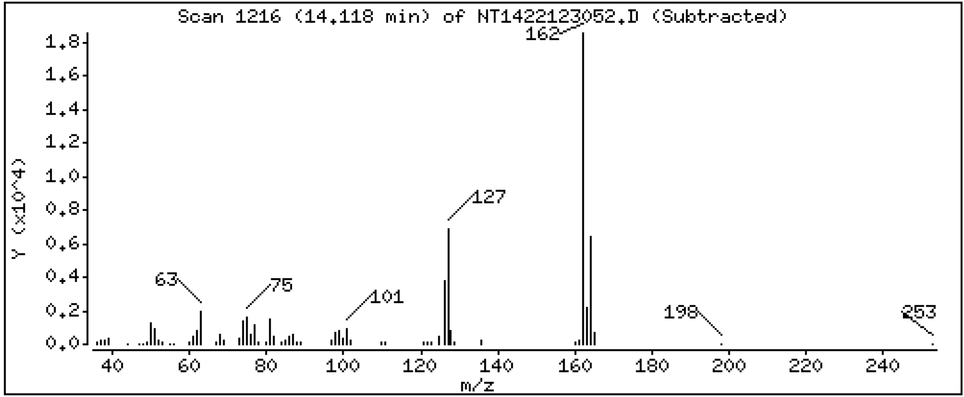
Sample Info: SKL0356-LCV2

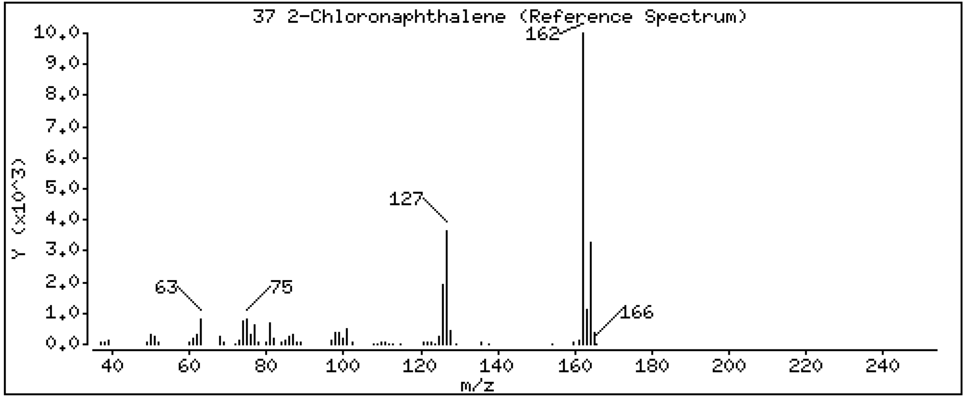
Operator: VTS

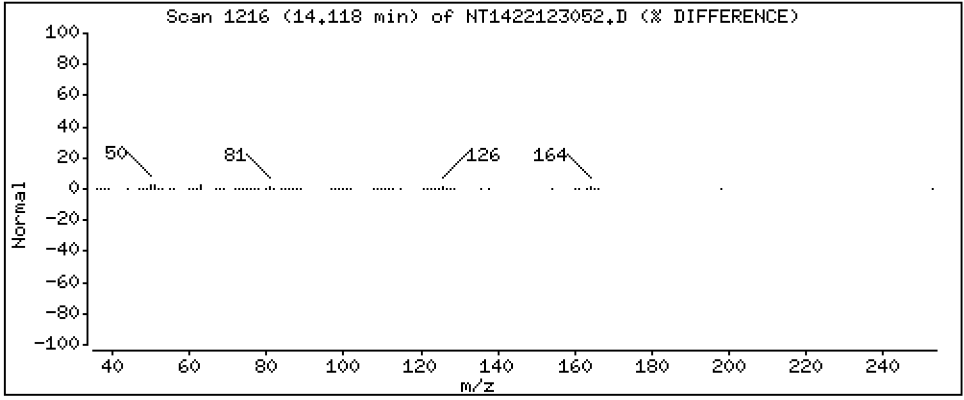
Column phase: ZB-5msi Column diameter: 0.25

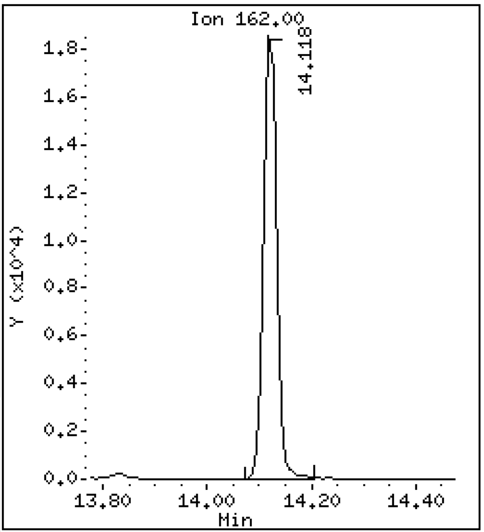
37 2-Chloronaphthalene Concentration: 0.4882 ug/mL

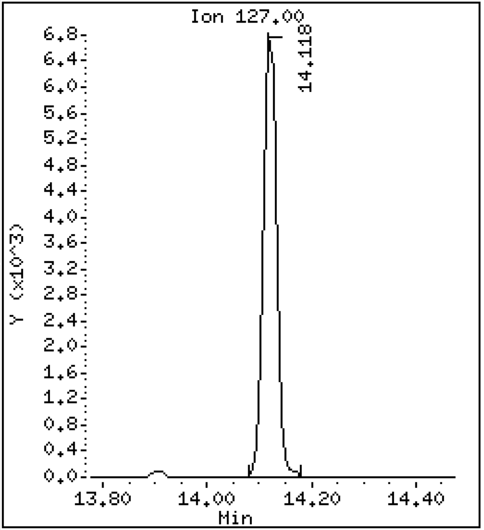


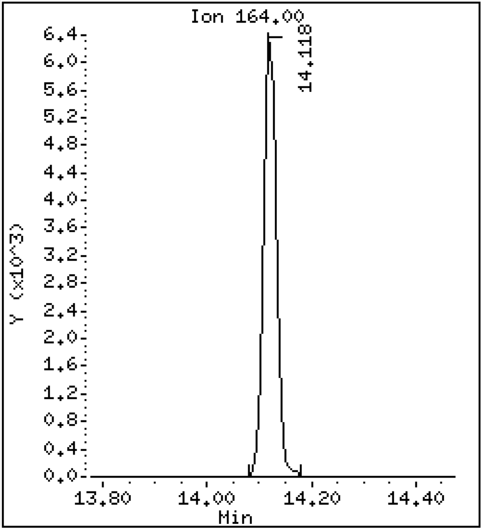












Data File: \\target\share\chem3\nt14.i\20221230B.b\NT1422123052.D

Date : 31-DEC-2022 15:05

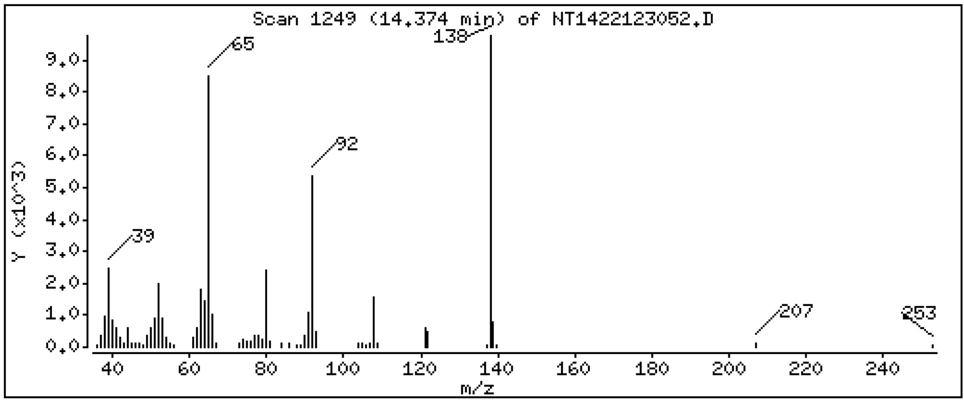
Client ID: Instrument: nt14.i

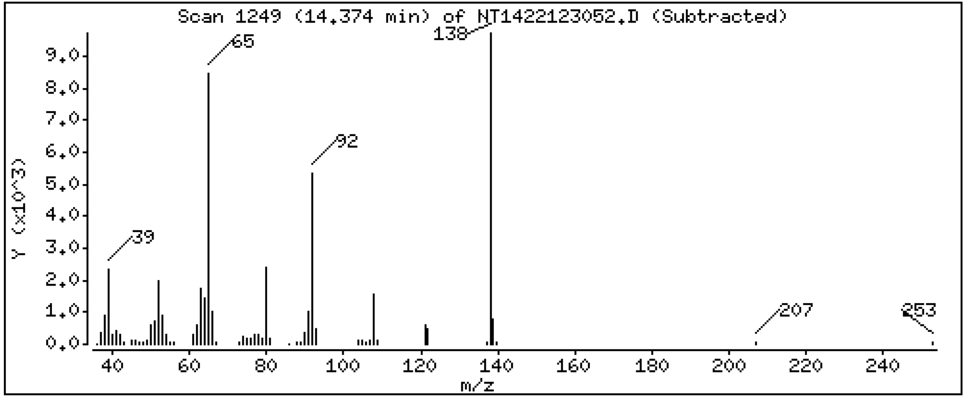
Sample Info: SKL0356-LCV2

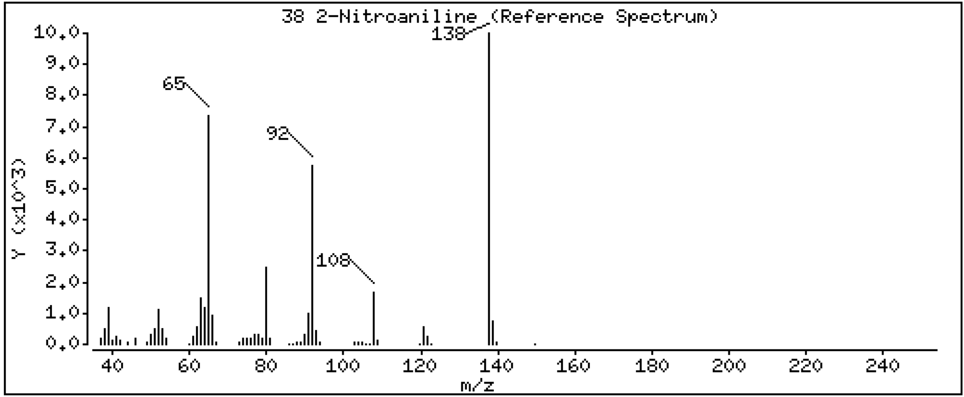
Operator: VTS

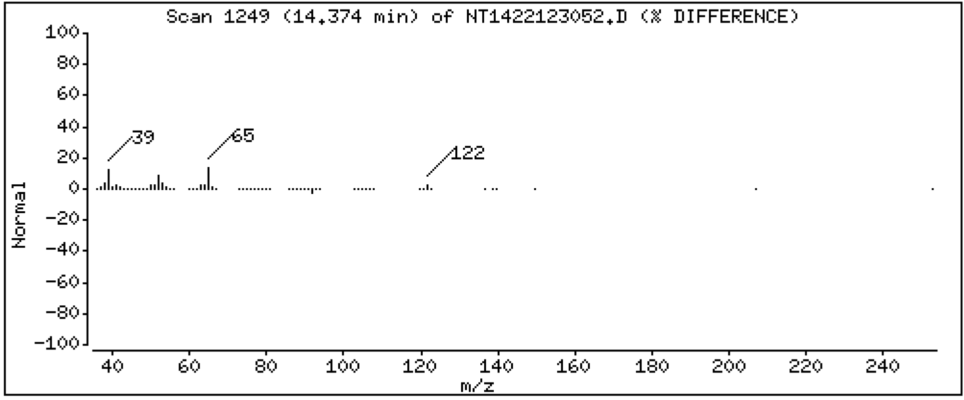
Column phase: ZB-5msi Column diameter: 0.25

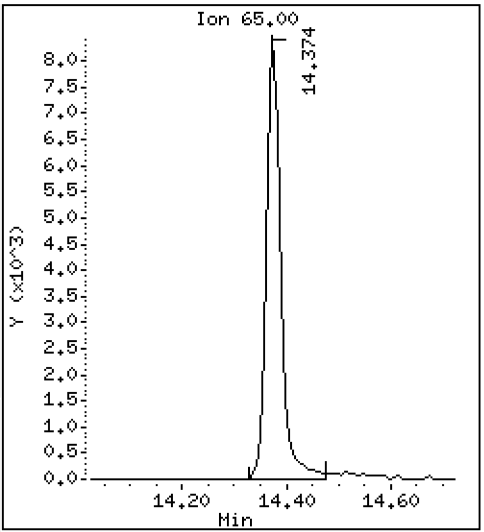
38 2-Nitroaniline Concentration: 0.9202 ug/mL

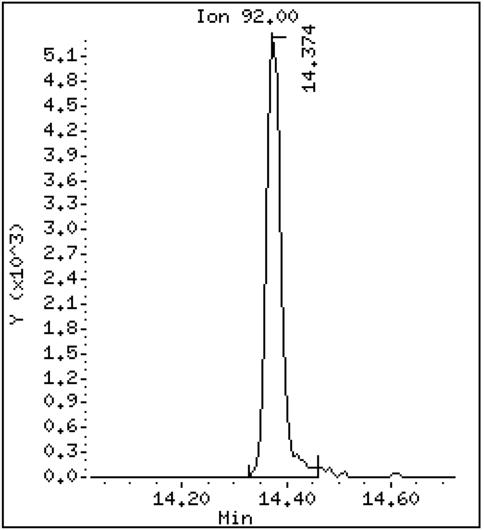

Scan 1249 (14.374 min) of NT1422123052.D

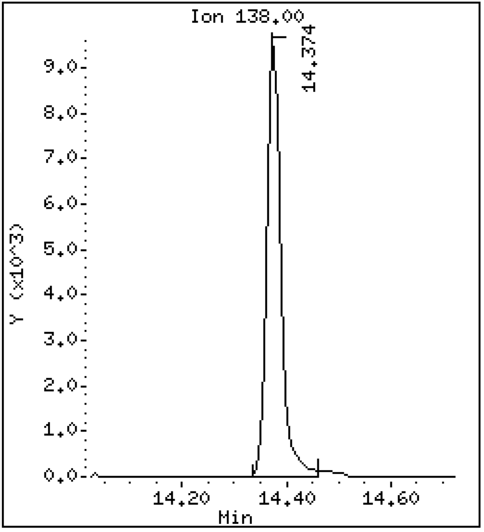

Scan 1249 (14.374 min) of NT1422123052.D (Subtracted)


38 2-Nitroaniline (Reference Spectrum)


Scan 1249 (14.374 min) of NT1422123052.D (% DIFFERENCE)


Ion 65.00


Ion 92.00


Ion 138.00

Data File: \\target\share\chem3\nt14.i\20221230B.b\NT1422123052.D

Date : 31-DEC-2022 15:05

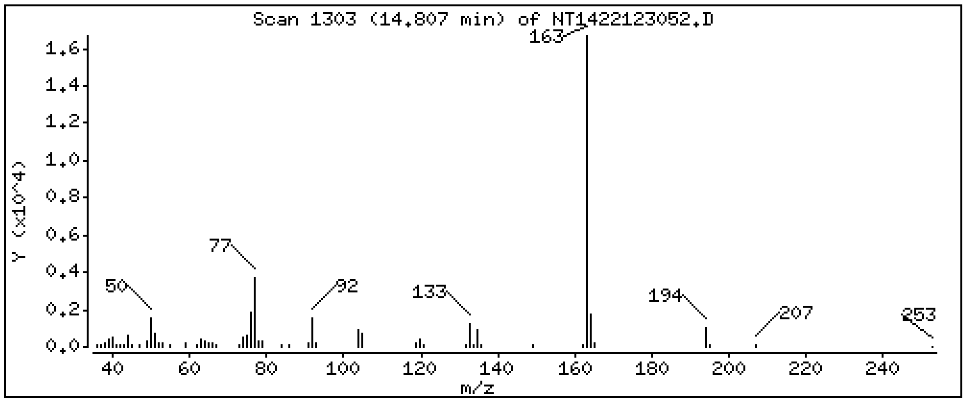
Client ID: Instrument: nt14.i

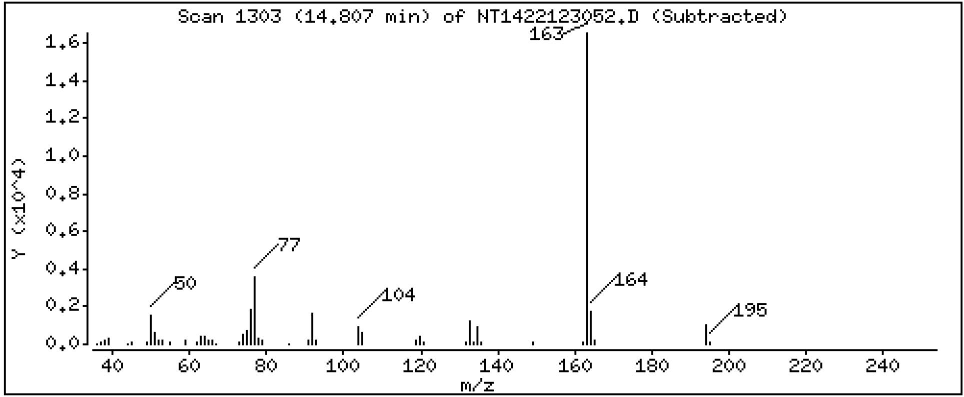
Sample Info: SKL0356-LCV2

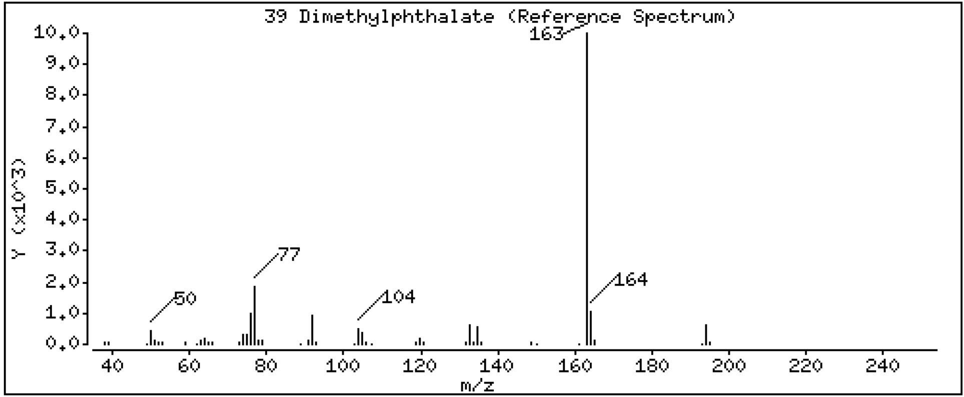
Operator: VTS

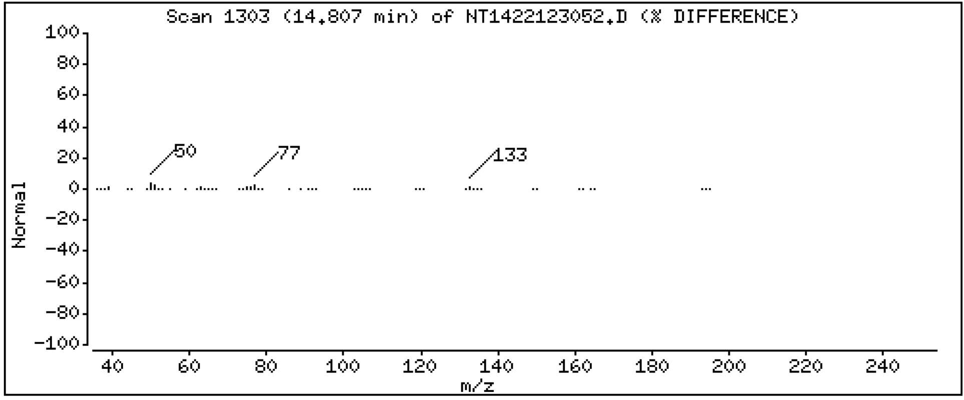
Column phase: ZB-5msi Column diameter: 0.25

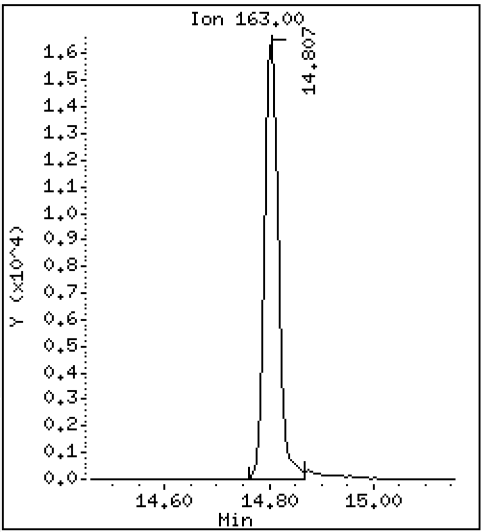
39 Dimethylphthalate Concentration: 0.4656 ug/mL

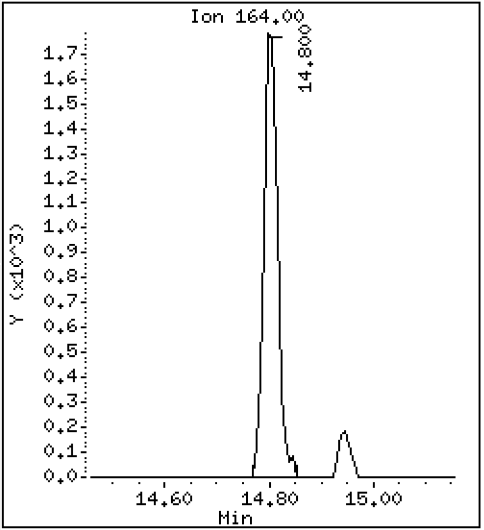


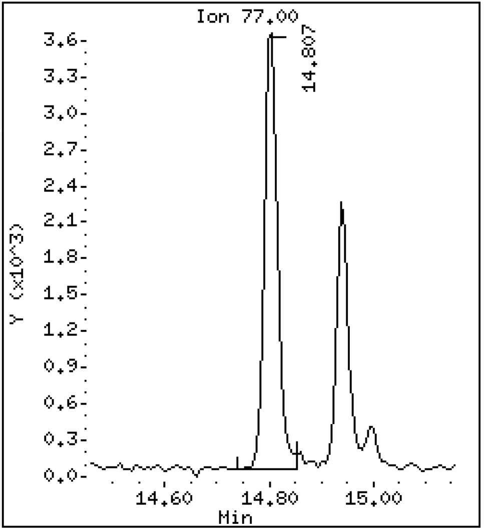












Data File: \\target\share\chem3\nt14.i\20221230B.b\NT1422123052.D

Date : 31-DEC-2022 15:05

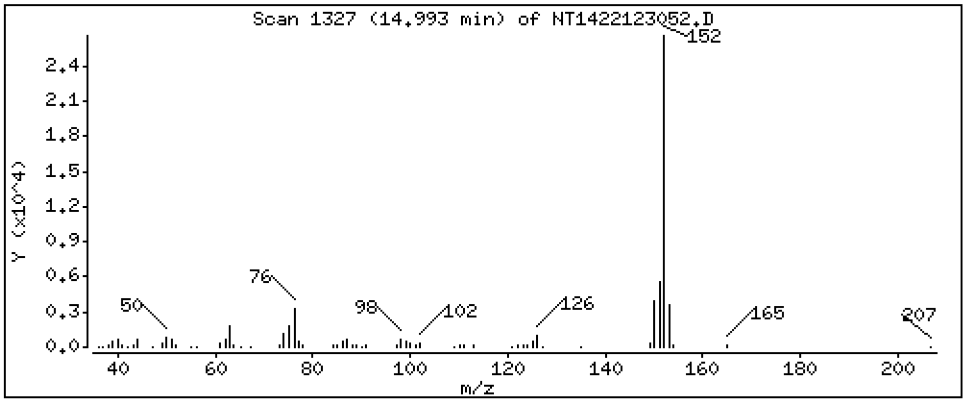
Client ID: Instrument: nt14.i

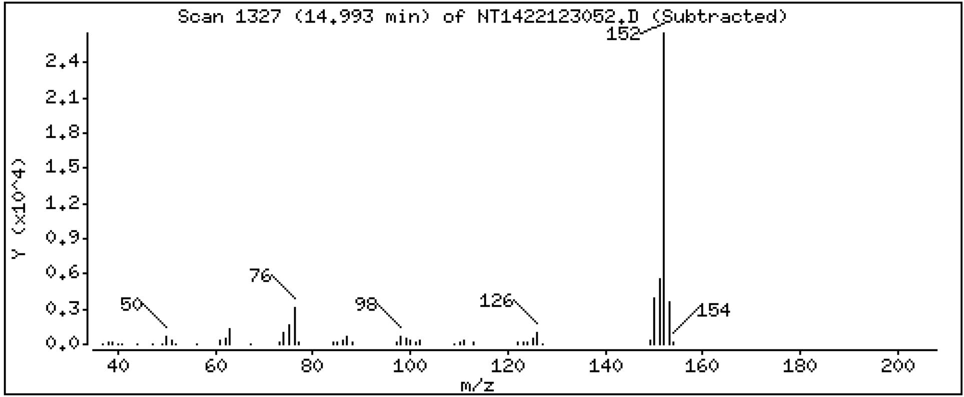
Sample Info: SKL0356-LCV2

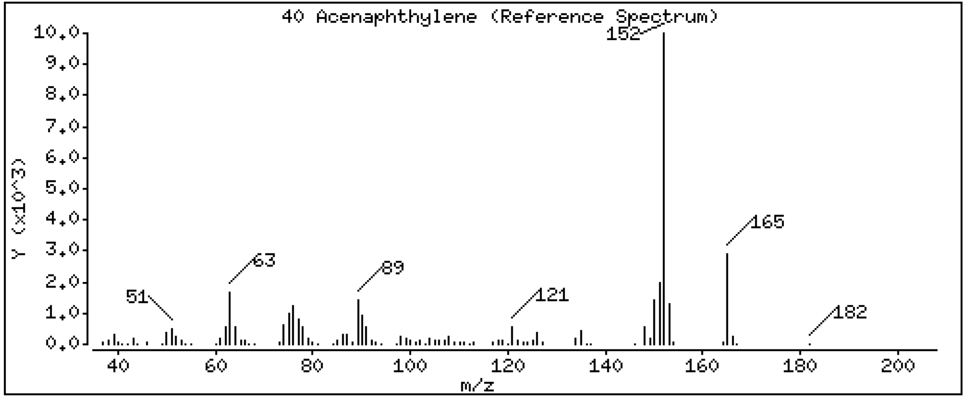
Operator: VTS

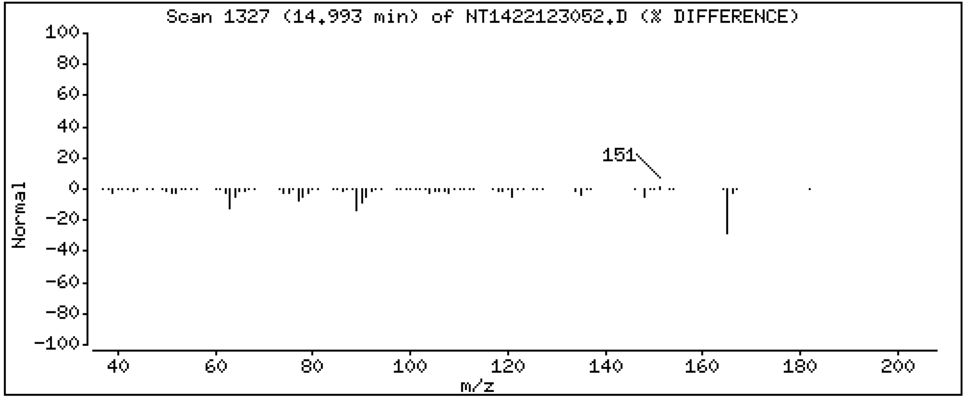
Column phase: ZB-5msi Column diameter: 0.25

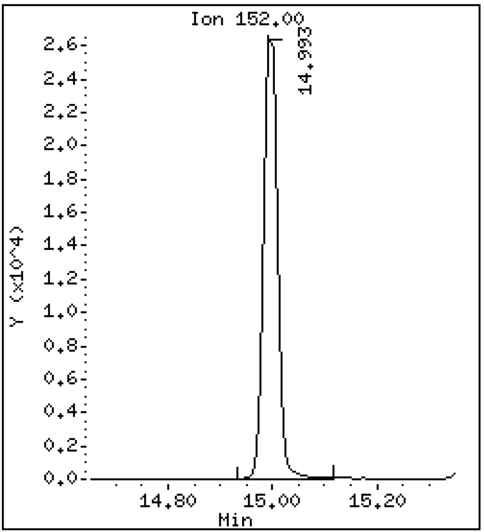
40 Acenaphthylene Concentration: 0.5321 ug/mL

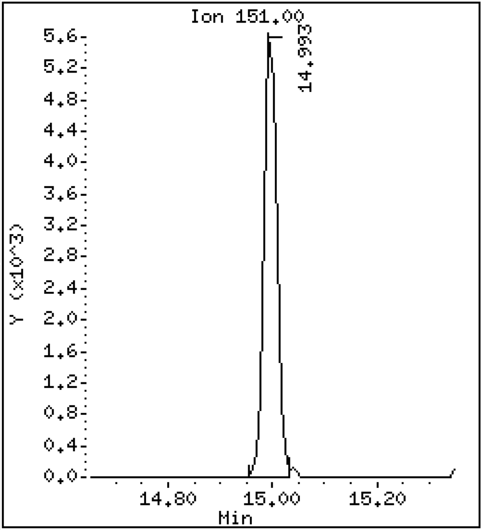

Scan 1327 (14.993 min) of NT1422123052.D

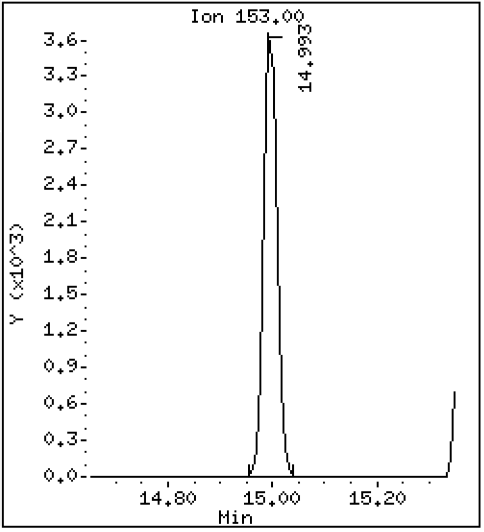

Scan 1327 (14.993 min) of NT1422123052.D (Subtracted)


40 Acenaphthylene (Reference Spectrum)


Scan 1327 (14.993 min) of NT1422123052.D (% DIFFERENCE)


Ion 152.00


Ion 151.00


Ion 153.00

Data File: \\target\share\chem3\nt14.i\20221230B.b\NT1422123052.D

Date : 31-DEC-2022 15:05

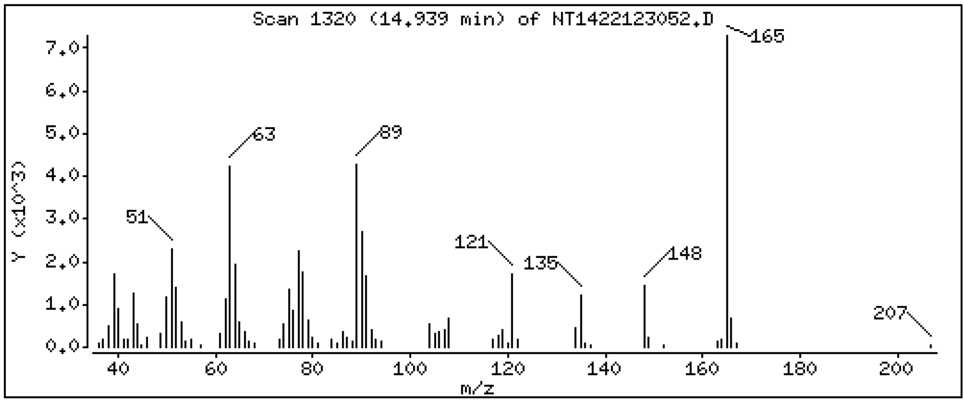
Client ID: Instrument: nt14.i

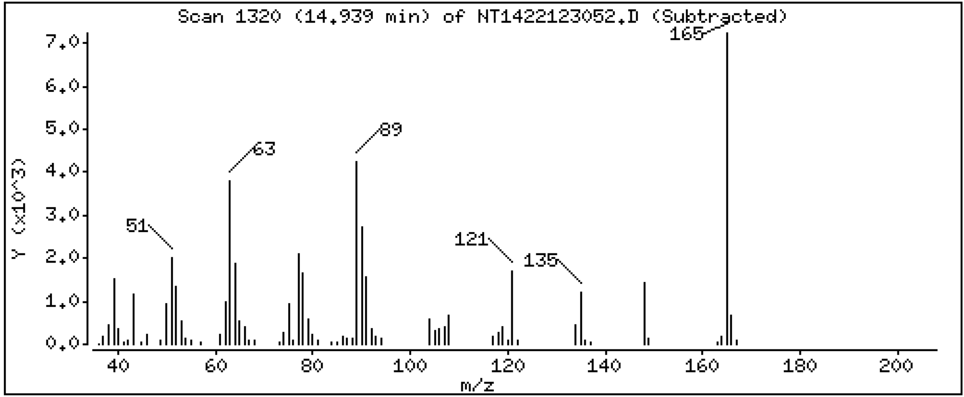
Sample Info: SKL0356-LCV2

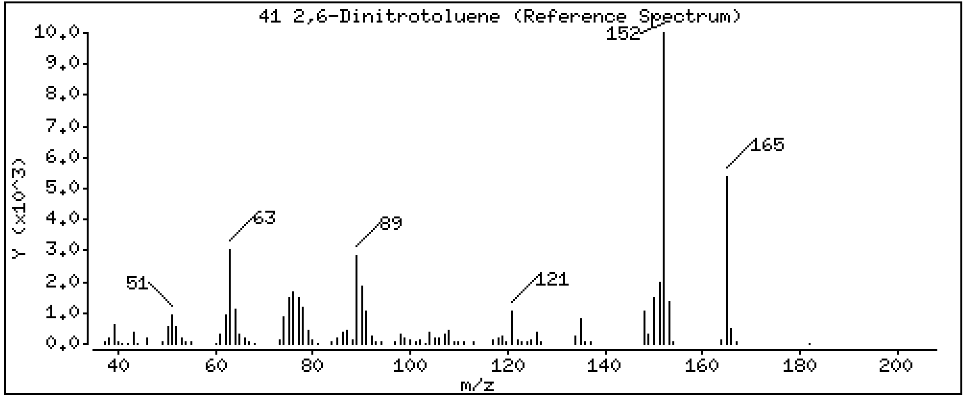
Operator: VTS

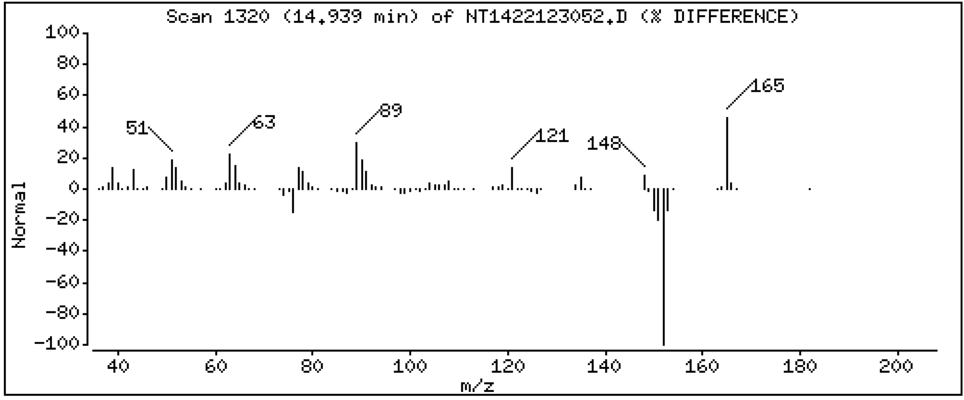
Column phase: ZB-5msi Column diameter: 0.25

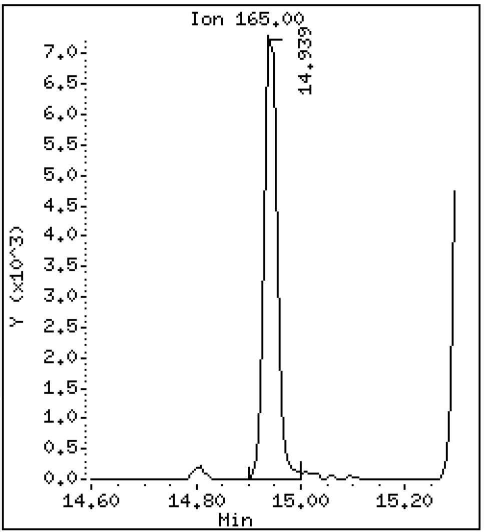
41 2,6-Dinitrotoluene Concentration: 0.8515 ug/mL

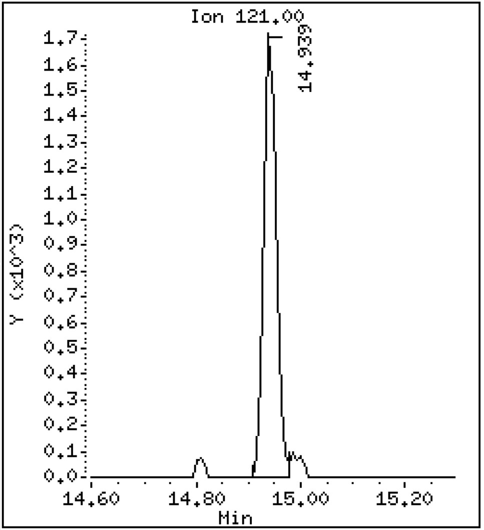

Scan 1320 (14.939 min) of NT1422123052.D

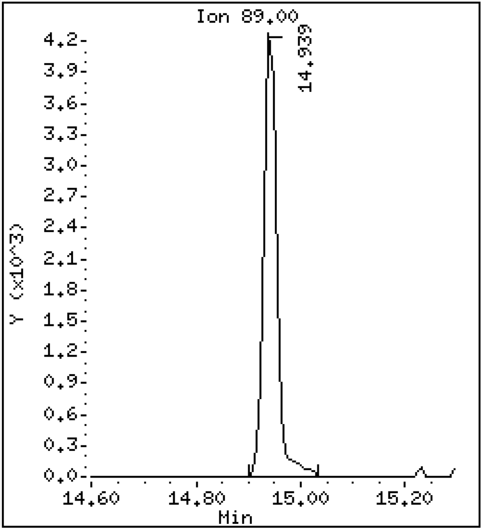

Scan 1320 (14.939 min) of NT1422123052.D (Subtracted)


41 2,6-Dinitrotoluene (Reference Spectrum)


Scan 1320 (14.939 min) of NT1422123052.D (% DIFFERENCE)


Ion 165.00


Ion 121.00


Ion 89.00

Data File: \\target\share\chem3\nt14.i\20221230B.b\NT1422123052.D

Date : 31-DEC-2022 15:05

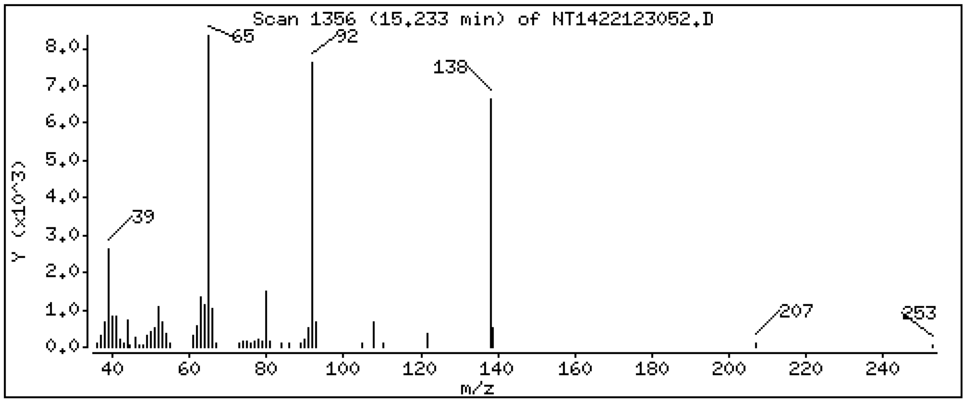
Client ID: Instrument: nt14.i

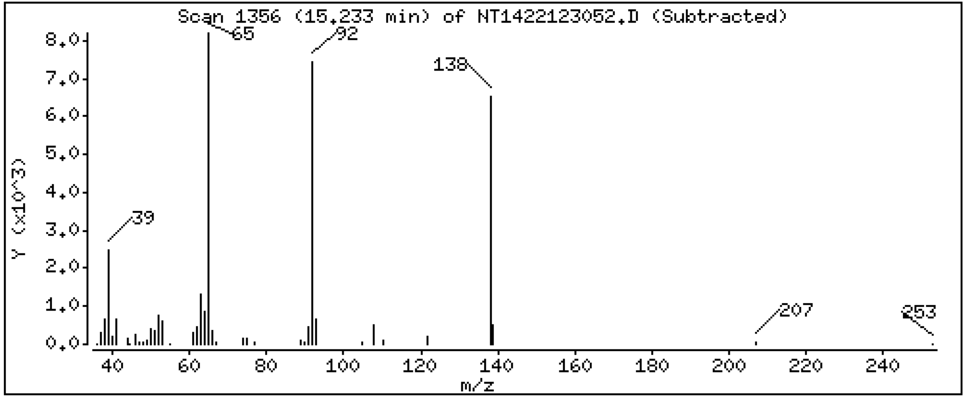
Sample Info: SKL0356-LCV2

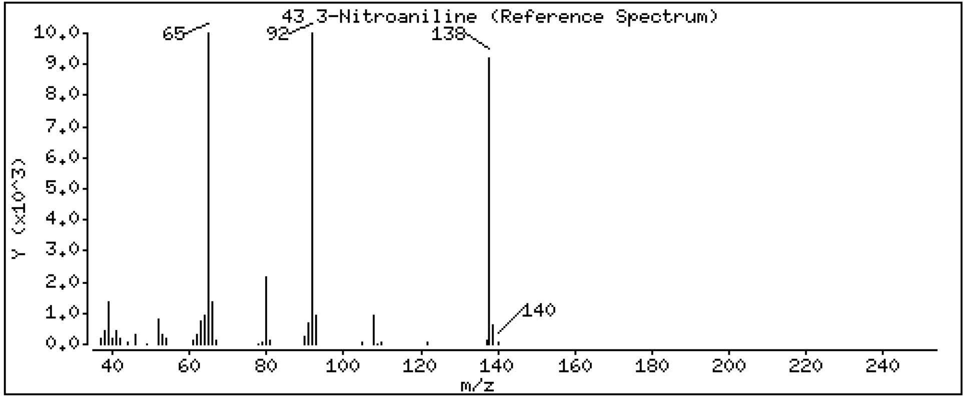
Operator: VTS

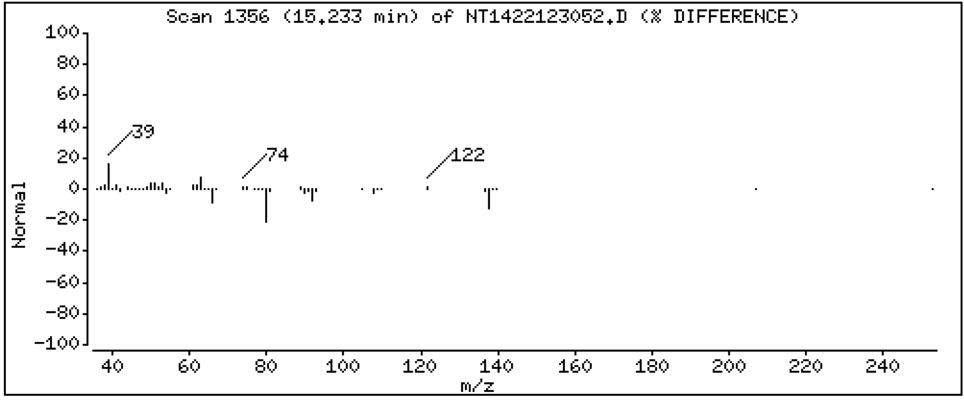
Column phase: ZB-5msi Column diameter: 0.25

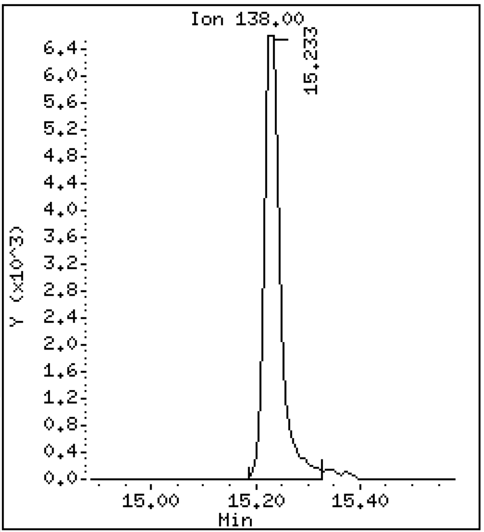
43 3-Nitroaniline Concentration: 0.8004 ug/mL

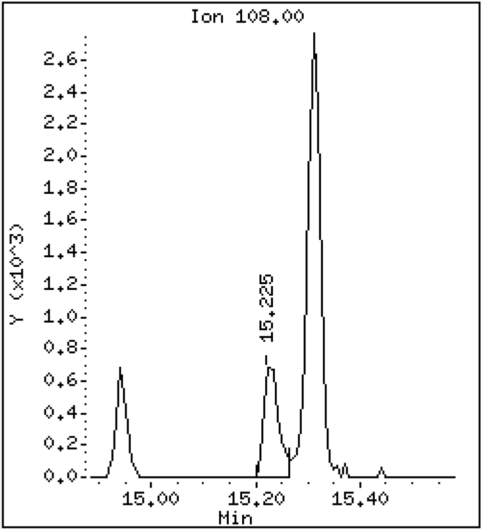

Scan 1356 (15.233 min) of NT1422123052.D


Scan 1356 (15.233 min) of NT1422123052.D (Subtracted)


43 3-Nitroaniline (Reference Spectrum)


Scan 1356 (15.233 min) of NT1422123052.D (% DIFFERENCE)


Ion 138.00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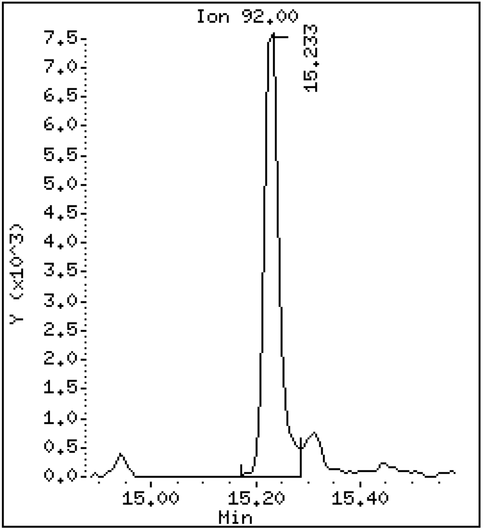

Ion 92.00

Data File: \\target\share\chem3\nt14.i\20221230B.b\NT1422123052.D

Date : 31-DEC-2022 15:05

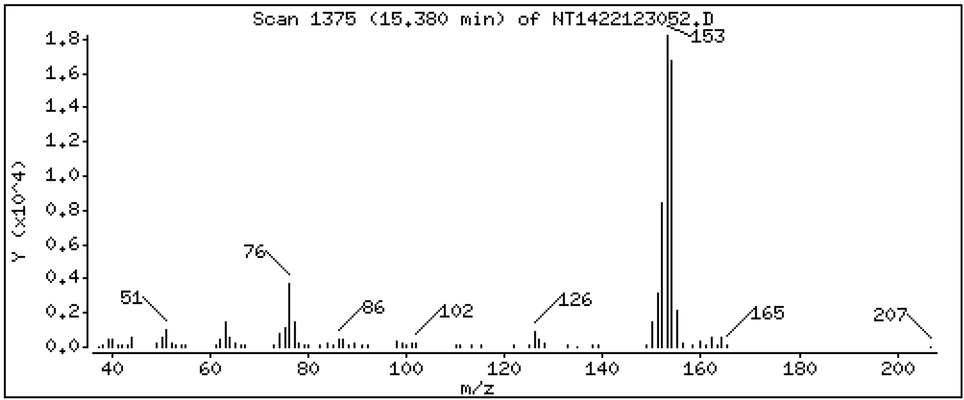
Client ID: Instrument: nt14.i

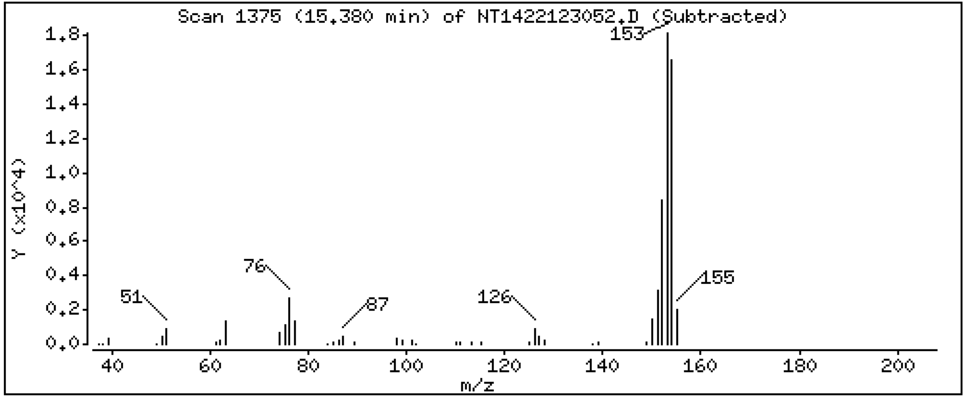
Sample Info: SKL0356-LCV2

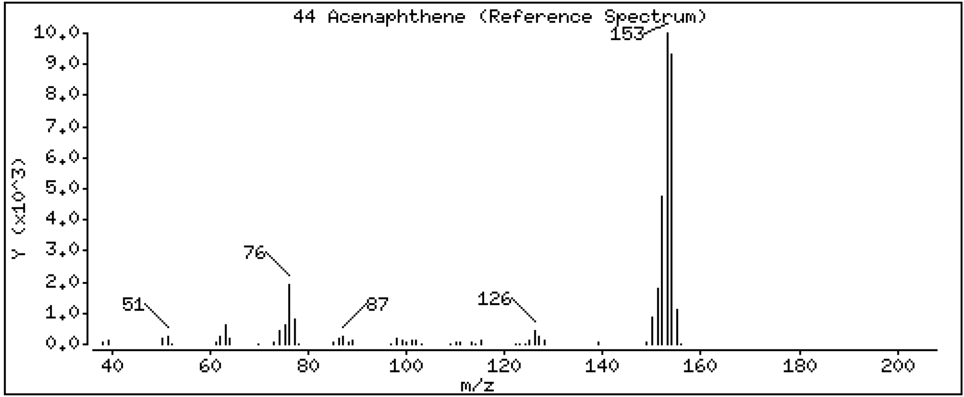
Operator: VTS

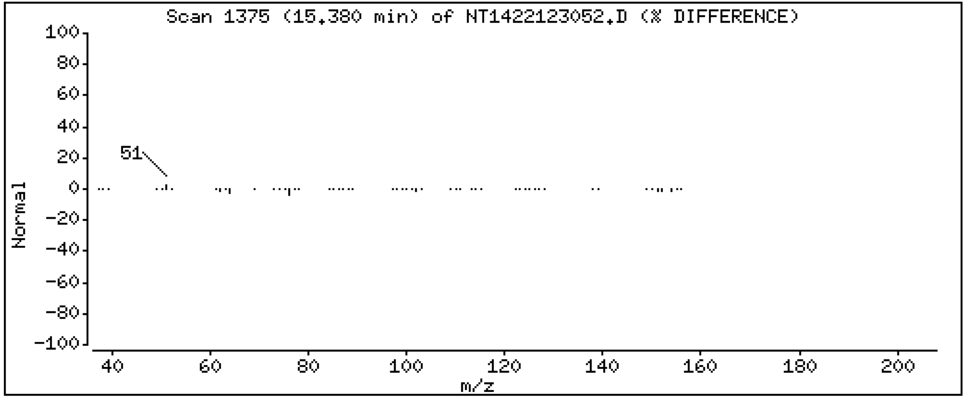
Column phase: ZB-5msi Column diameter: 0.25

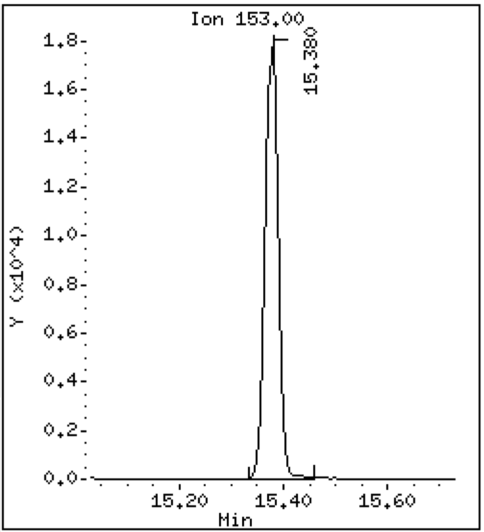
44 Acenaphthene Concentration: 0.4966 ug/mL

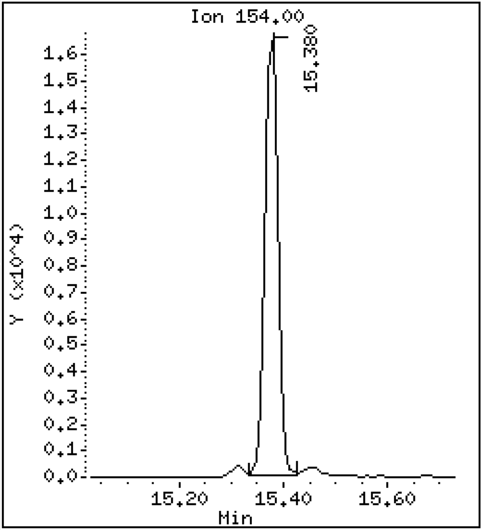

Scan 1375 (15.380 min) of NT1422123052.D

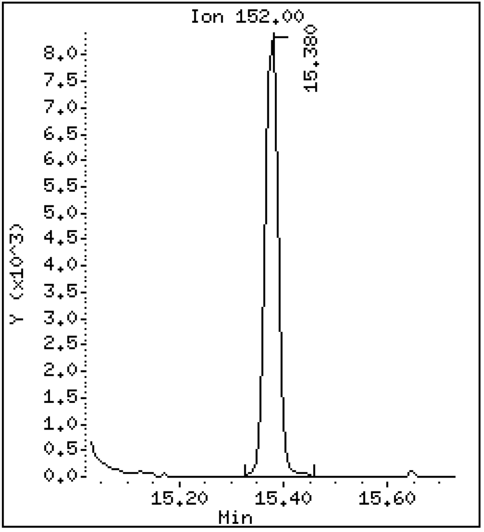

Scan 1375 (15.380 min) of NT1422123052.D (Subtracted)


44 Acenaphthene (Reference Spectrum)


Scan 1375 (15.380 min) of NT1422123052.D (% DIFFERENCE)


Ion 153.00


Ion 154.00


Ion 152.00

Data File: \\target\share\chem3\nt14.i\20221230B.b\NT1422123052.D

Date : 31-DEC-2022 15:05

Client ID: Instrument: nt14.i

Sample Info: SKL0356-LCV2

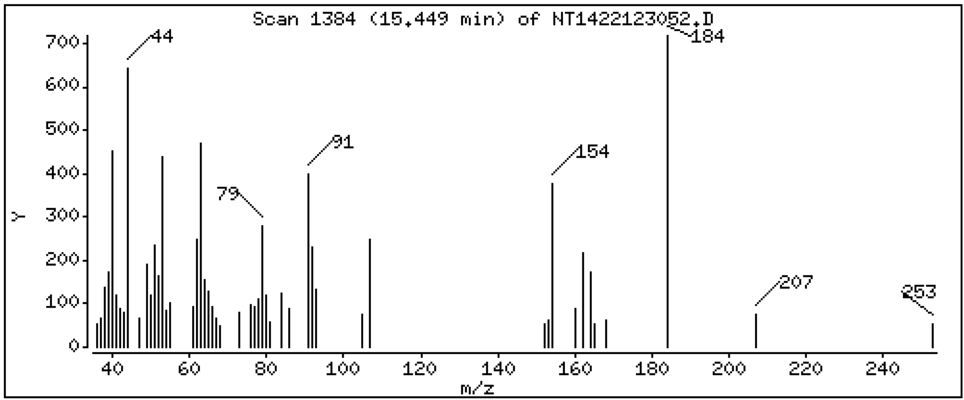
Operator: VTS

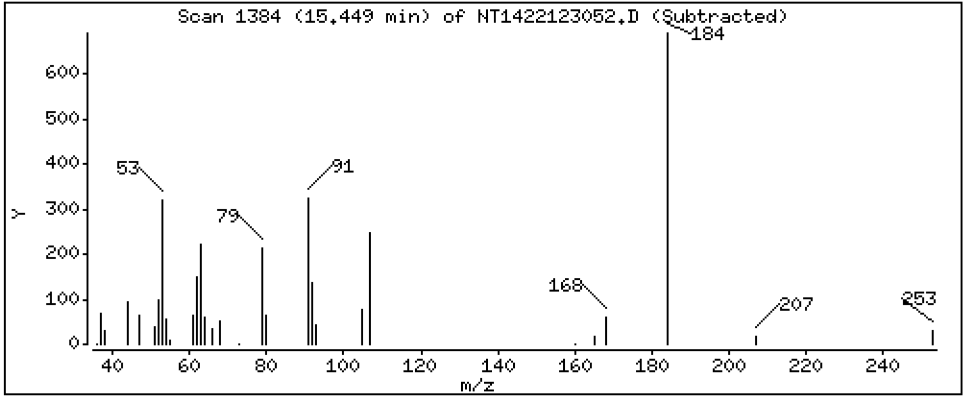
Column phase: ZB-5msi

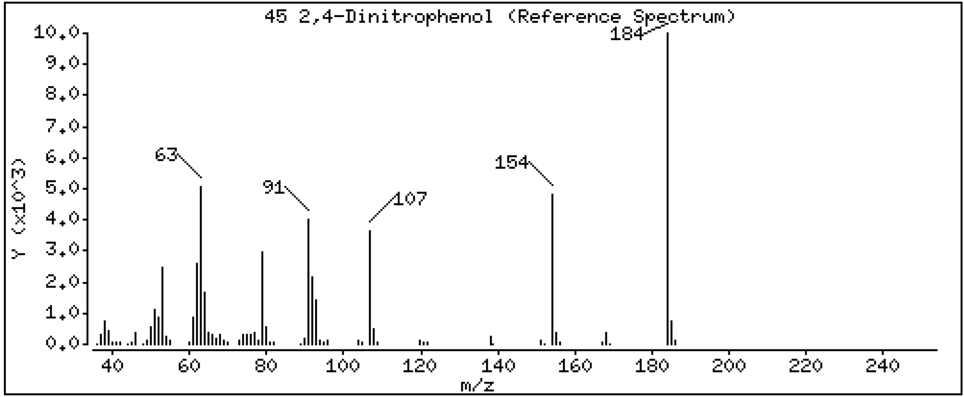
Column diameter: 0.25

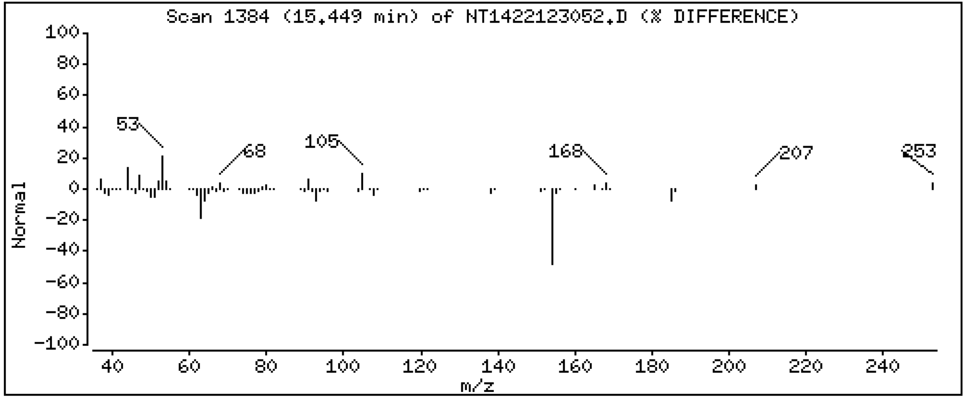
45 2,4-Dinitrophenol

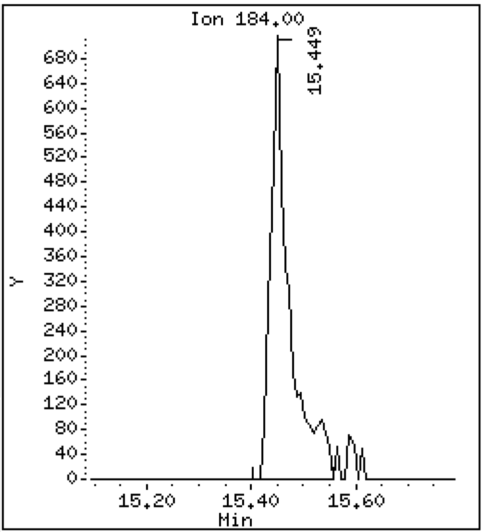
Concentration: 0.1450 ug/mL

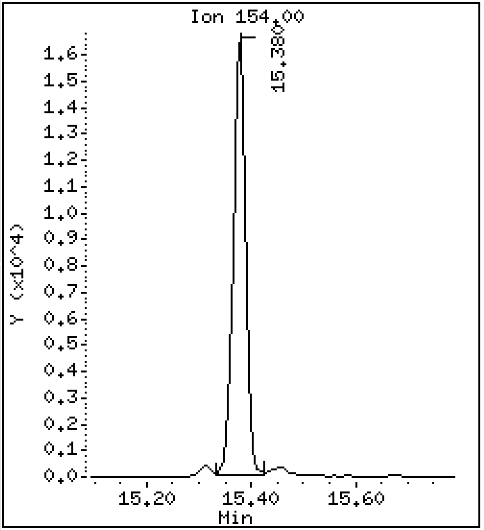

Scan 1384 (15.449 min) of NT1422123052.D

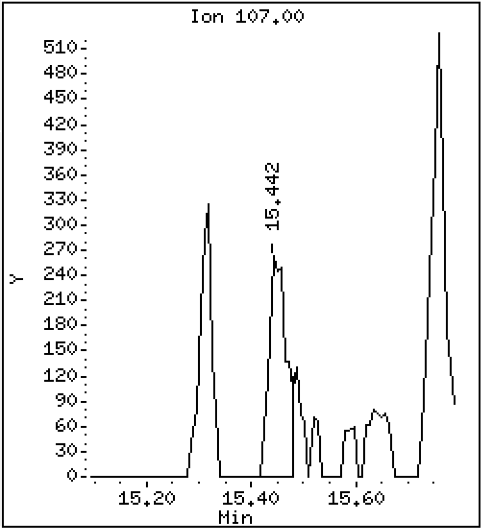

Scan 1384 (15.449 min) of NT1422123052.D (Subtracted)


45 2,4-Dinitrophenol (Reference Spectrum)


Scan 1384 (15.449 min) of NT1422123052.D (% DIFFERENCE)


Ion 184.00


Ion 154.00


Ion 107.00

Data File: \\target\share\chem3\nt14.i\20221230B.b\NT1422123052.D

Date : 31-DEC-2022 15:05

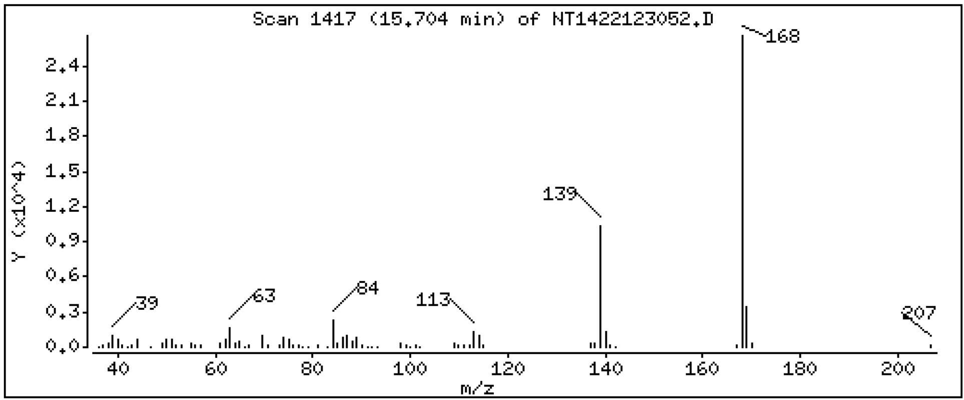
Client ID: Instrument: nt14.i

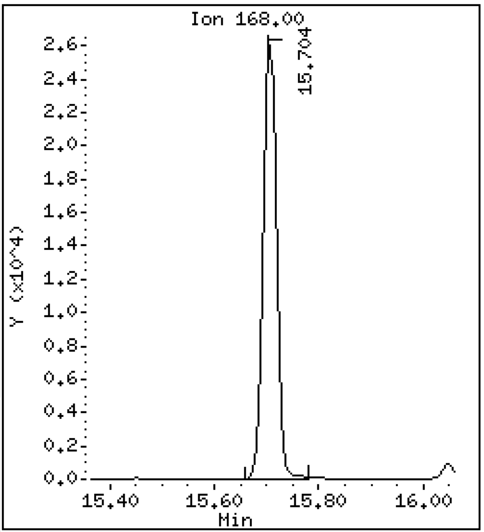
Sample Info: SKL0356-LCV2

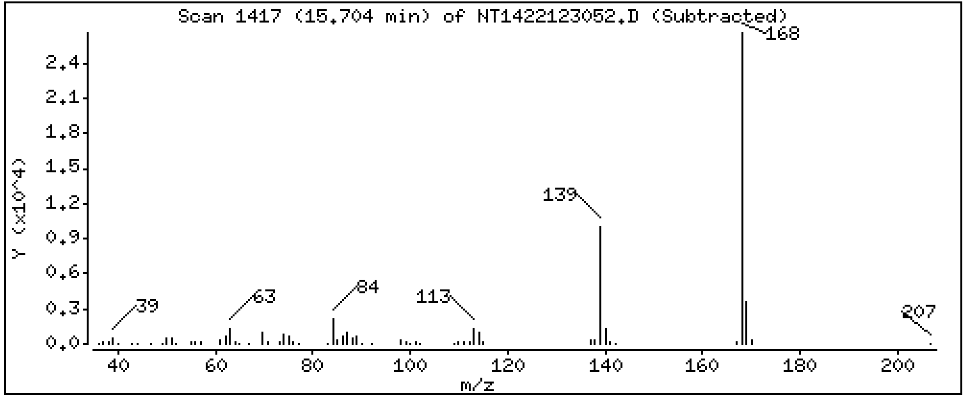
Operator: VTS

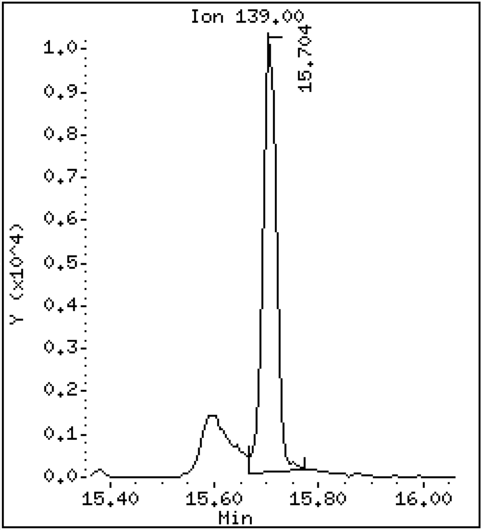
Column phase: ZB-5msi Column diameter: 0.25

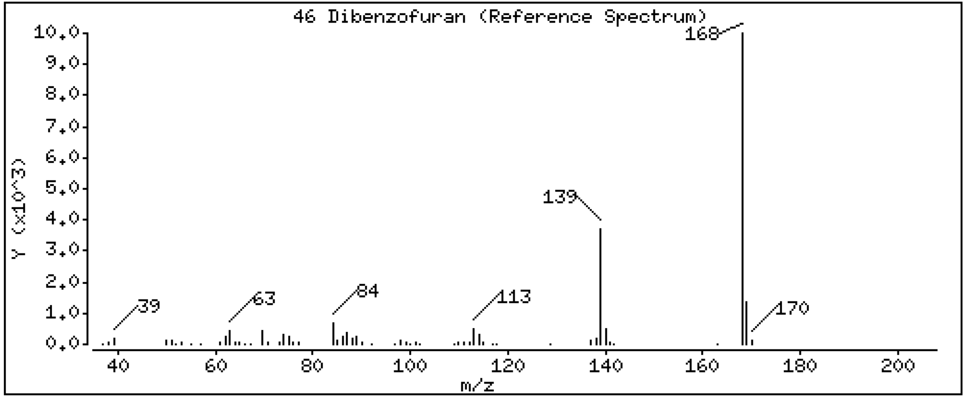
46 Dibenzofuran Concentration: 0.4927 ug/mL

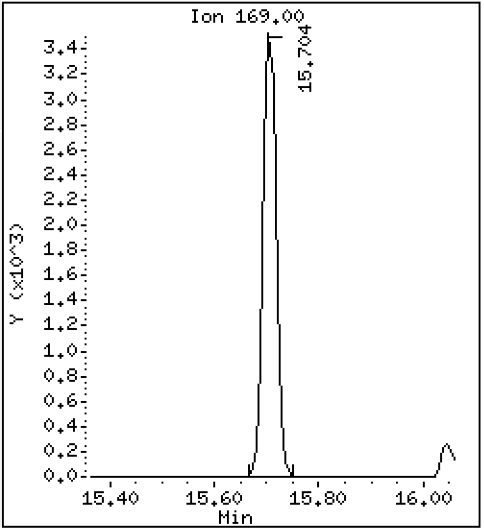


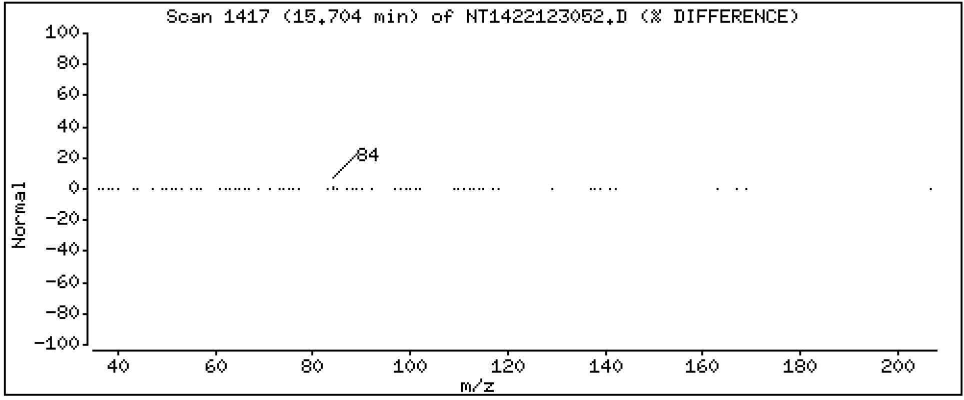












Data File: \\target\share\chem3\nt14.i\20221230B.b\NT1422123052.D

Date : 31-DEC-2022 15:05

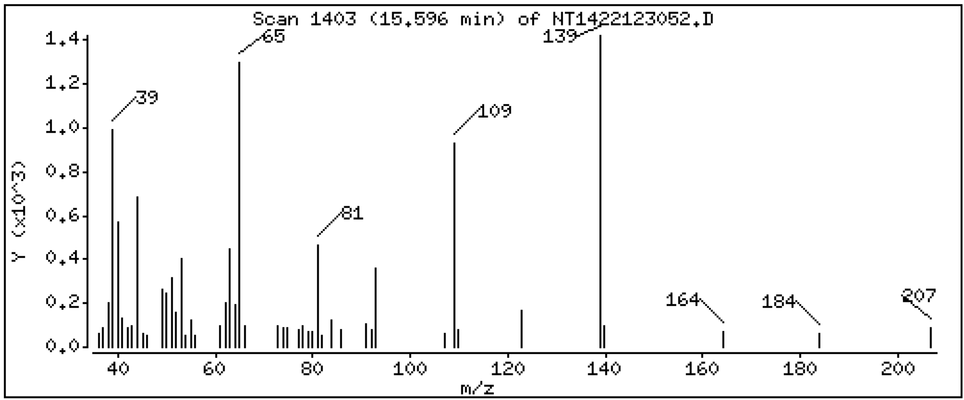
Client ID: Instrument: nt14.i

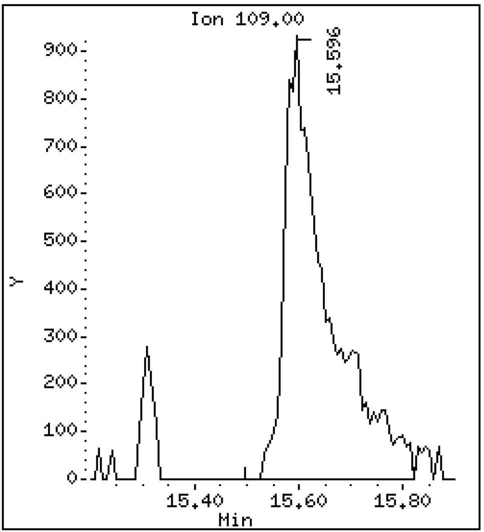
Sample Info: SKL0356-LCV2

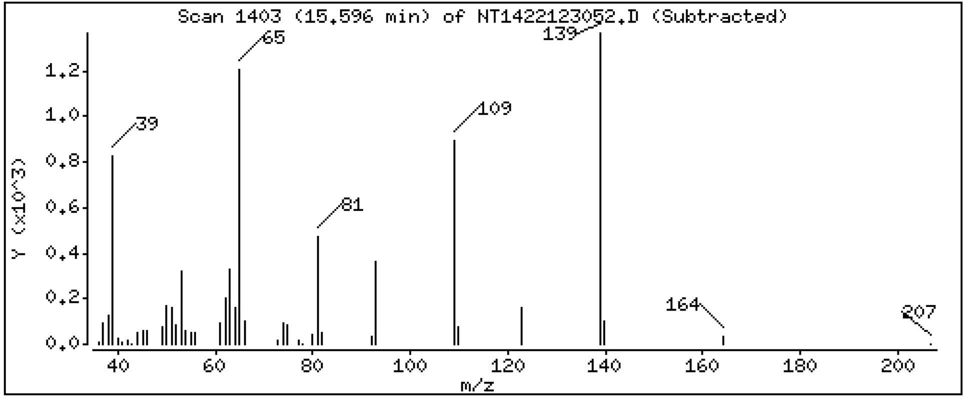
Operator: VTS

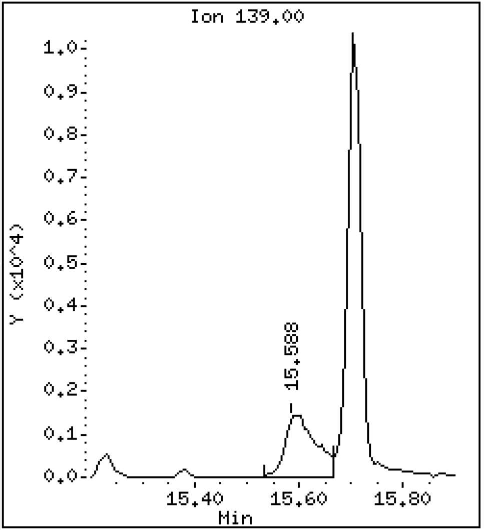
Column phase: ZB-5msi Column diameter: 0.25

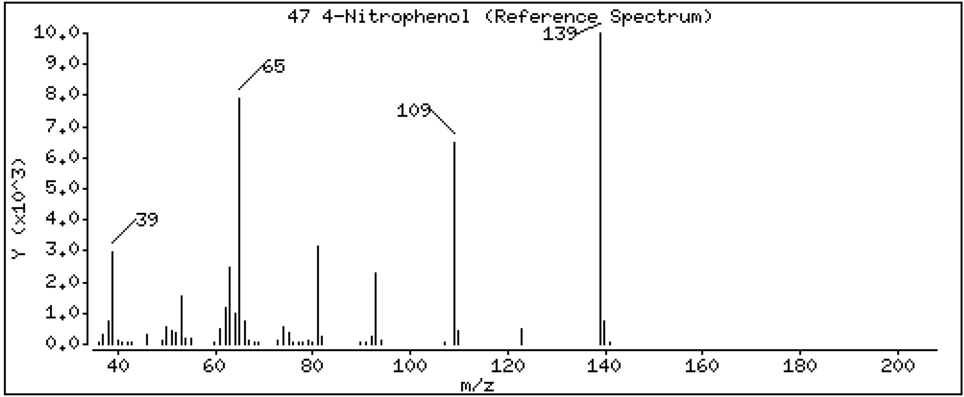
47 4-Nitrophenol Concentration: 0.6475 ug/mL

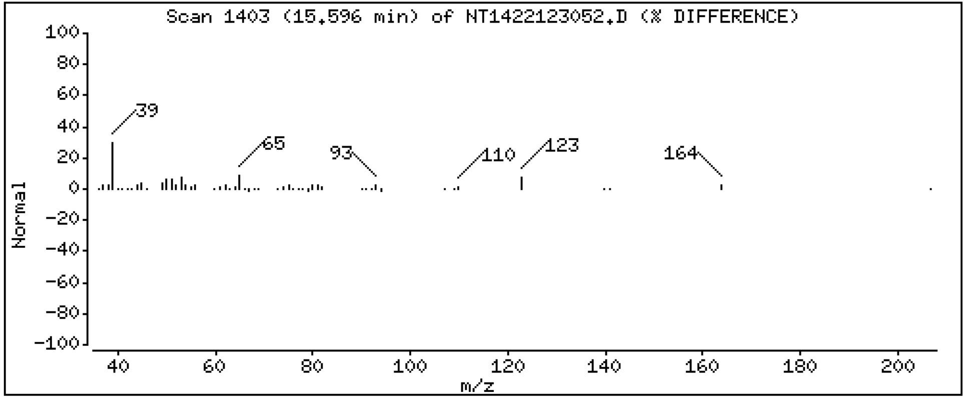


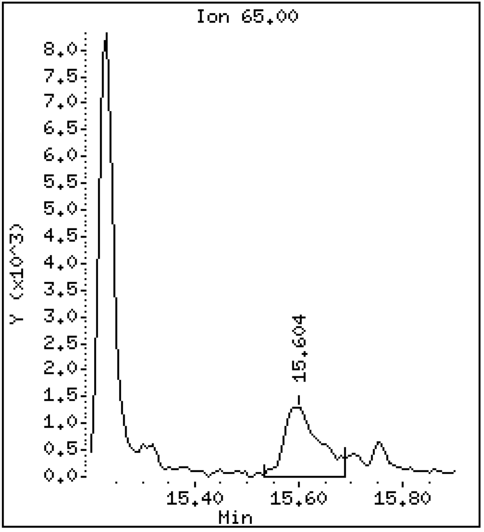












Data File: \\target\share\chem3\nt14.i\20221230B.b\NT1422123052.D

Date : 31-DEC-2022 15:05

Client ID:

Instrument: nt14.i

Sample Info: SKL0356-LCV2

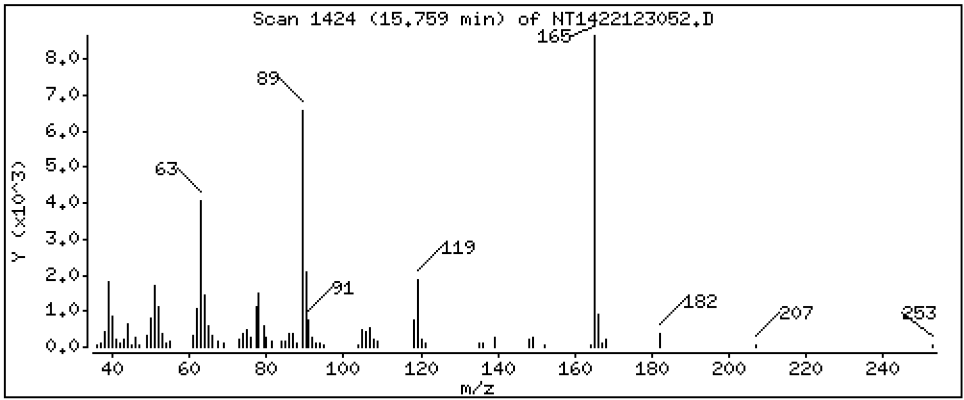
Operator: VTS

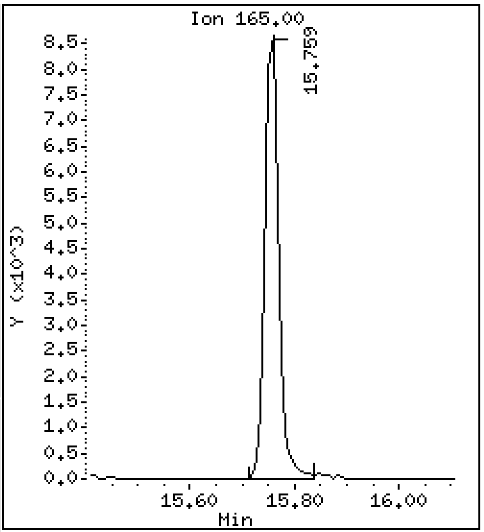
Column phase: ZB-5msi

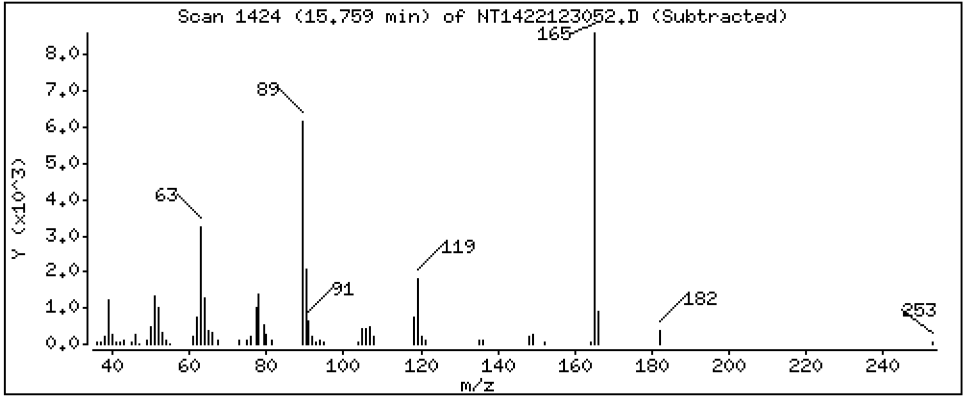
Column diameter: 0.25

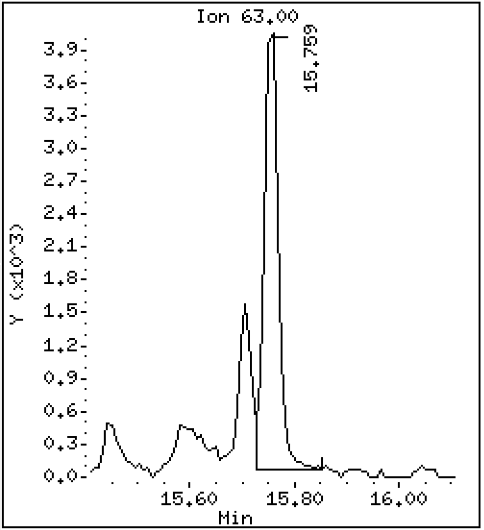
48 2,4-Dinitrotoluene

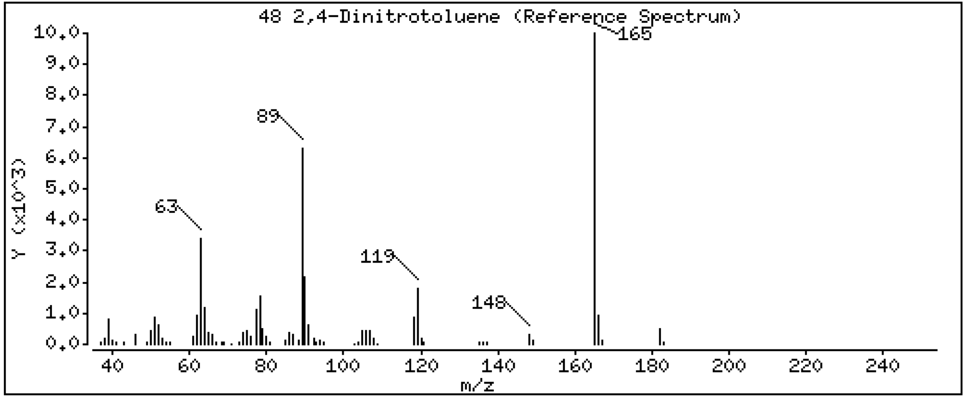
Concentration: 0.7788 ug/mL

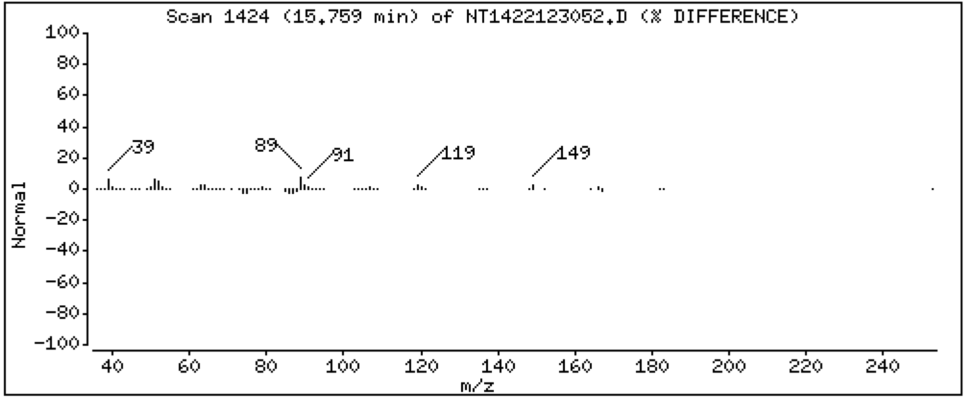


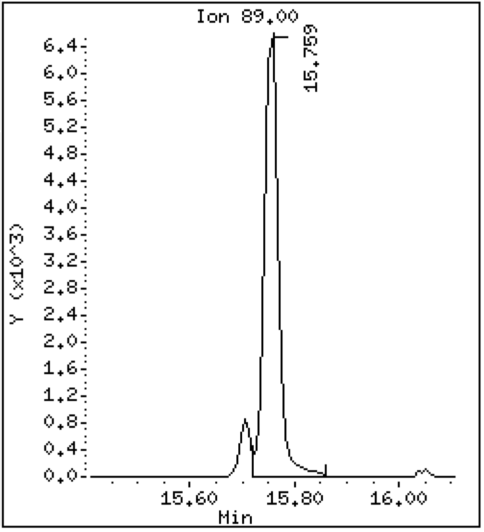












Data File: \\target\share\chem3\nt14.i\20221230B.b\NT1422123052.D

Date : 31-DEC-2022 15:05

Client ID:

Instrument: nt14.i

Sample Info: SKL0356-LCV2

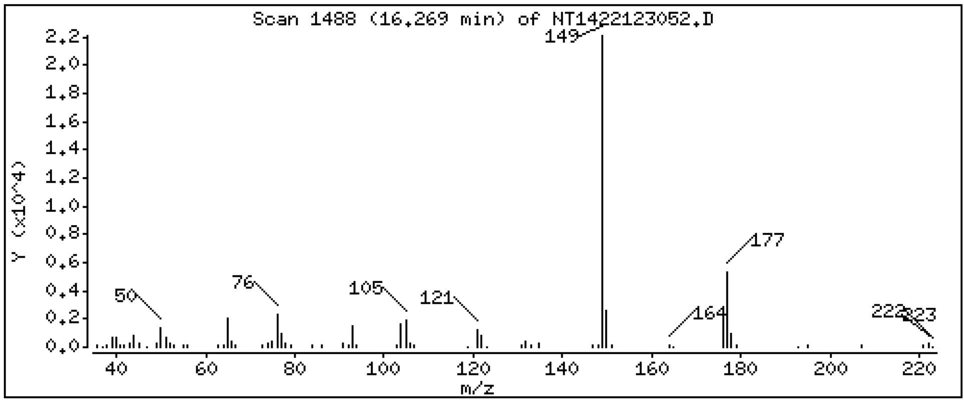
Operator: VTS

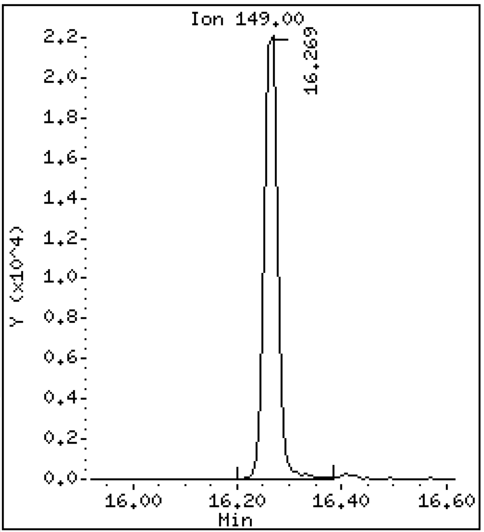
Column phase: ZB-5msi

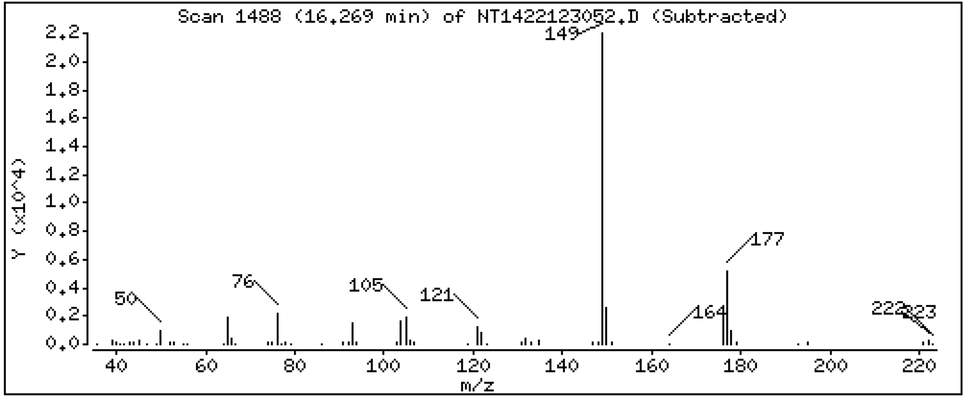
Column diameter: 0.25

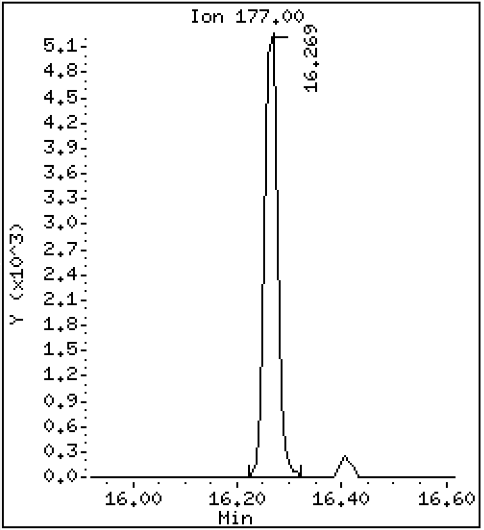
50 Diethylphthalate

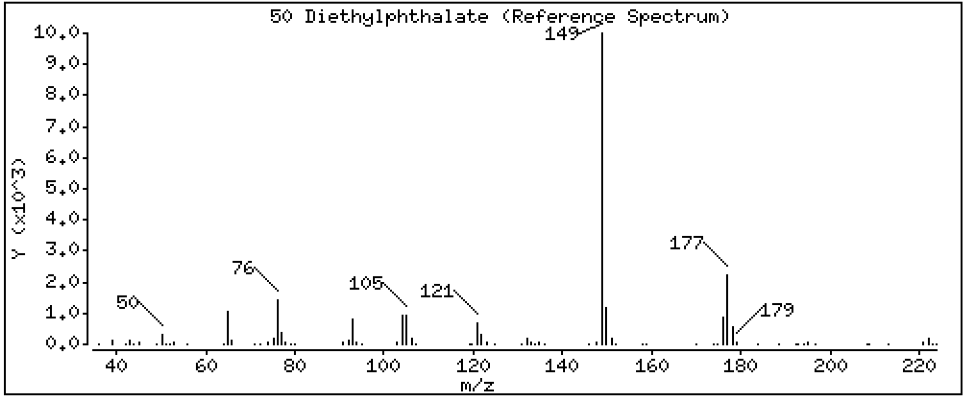
Concentration: 0.5374 ug/mL

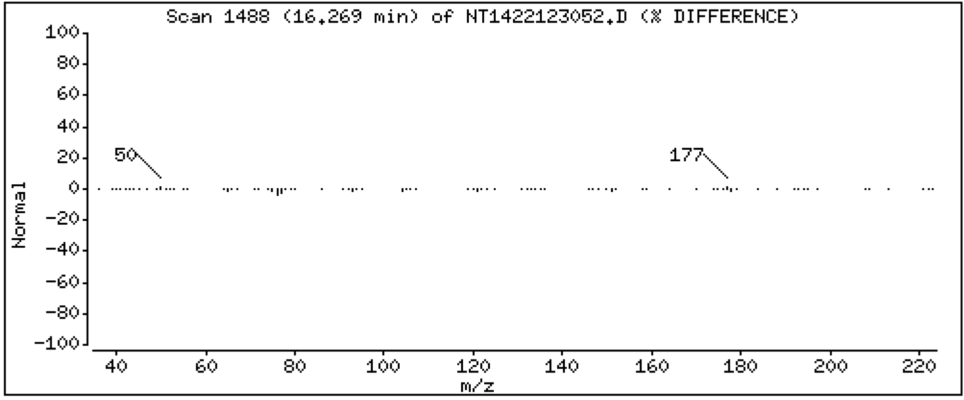

Scan 1488 (16.269 min) of NT1422123052.D

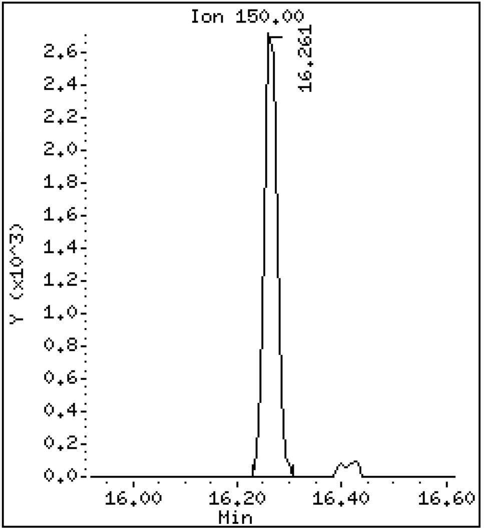

Ion 149.00


Scan 1488 (16.269 min) of NT1422123052.D (Subtracted)


Ion 177.00


50 Diethylphthalate (Reference Spectrum)


Scan 1488 (16.269 min) of NT1422123052.D (% DIFFERENCE)


Ion 150.00

Data File: \\target\share\chem3\nt14.i\20221230B.b\NT1422123052.D

Date : 31-DEC-2022 15:05

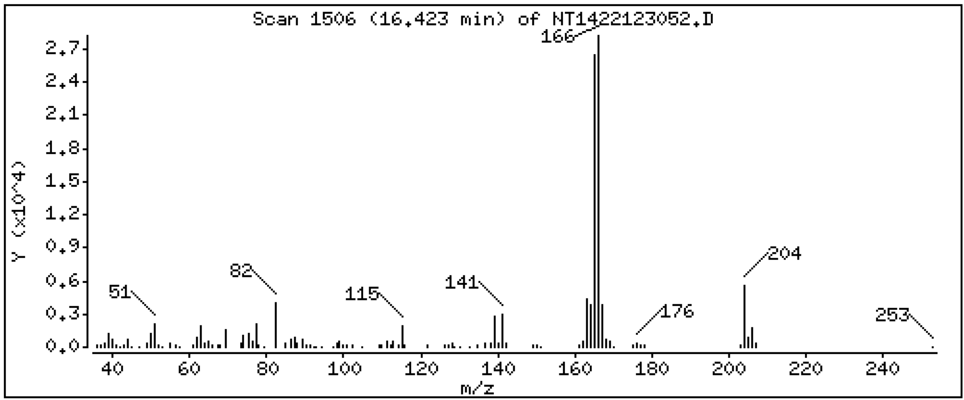
Client ID: Instrument: nt14.i

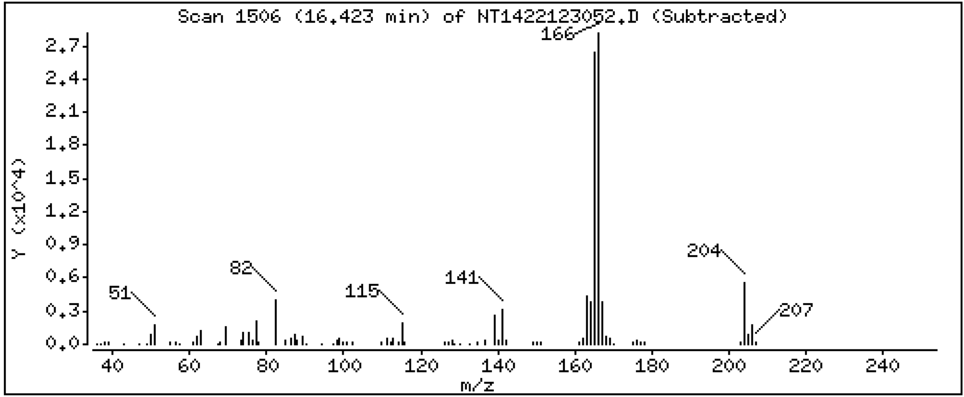
Sample Info: SKL0356-LCV2

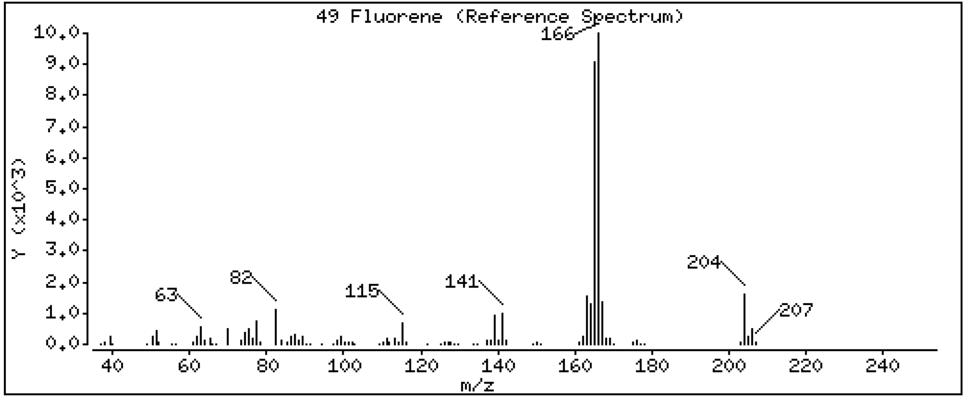
Operator: VTS

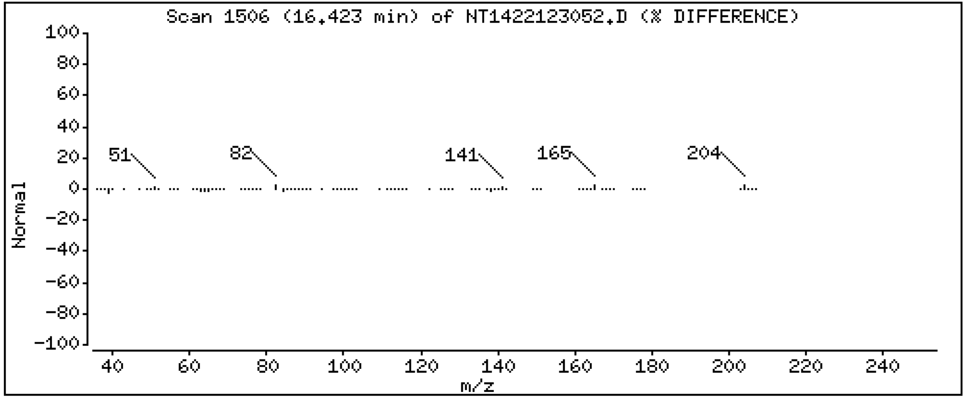
Column phase: ZB-5msi Column diameter: 0.25

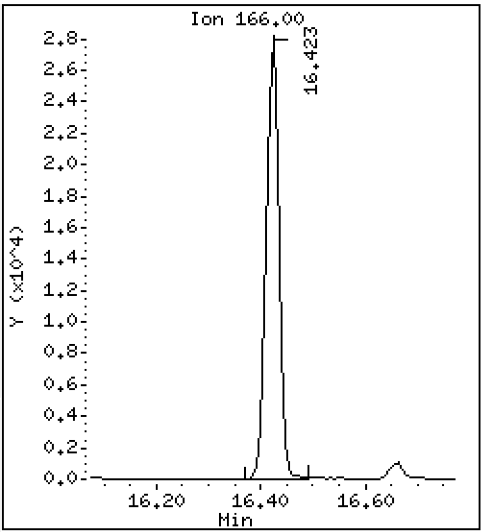
49 Fluorene Concentration: 0.4836 ug/mL

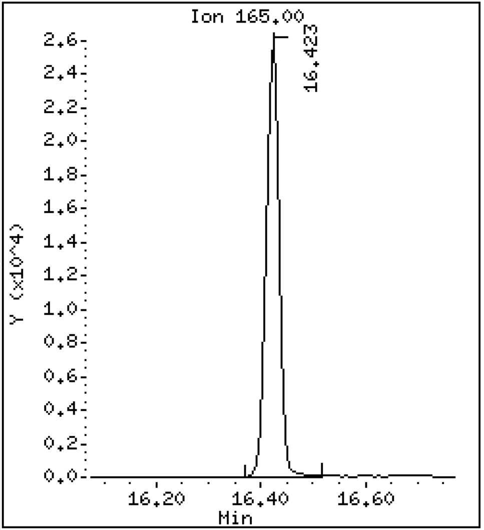

Scan 1506 (16.423 min) of NT1422123052.D

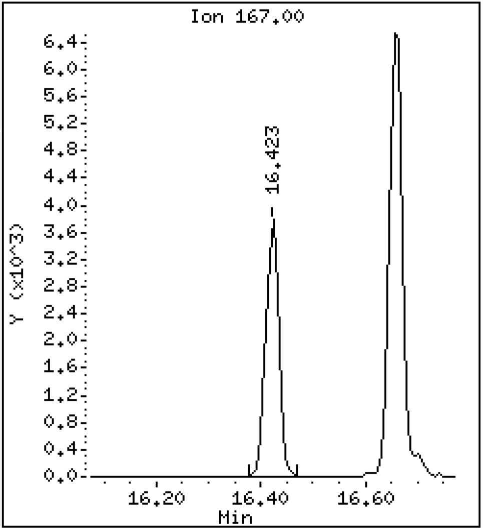

Scan 1506 (16.423 min) of NT1422123052.D (Subtracted)


49 Fluorene (Reference Spectrum)


Scan 1506 (16.423 min) of NT1422123052.D (% DIFFERENCE)


Ion 166.00


Ion 165.00


Ion 167.00

Data File: \\target\share\chem3\nt14.i\20221230B.b\NT1422123052.D

Date : 31-DEC-2022 15:05

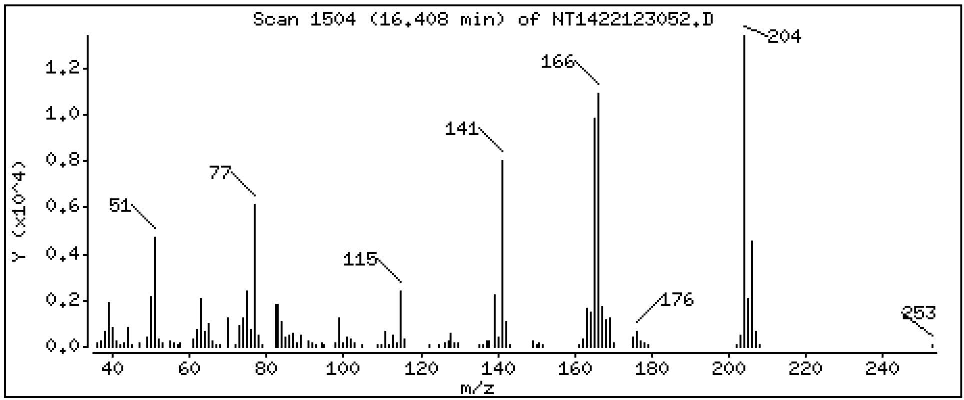
Client ID: Instrument: nt14.i

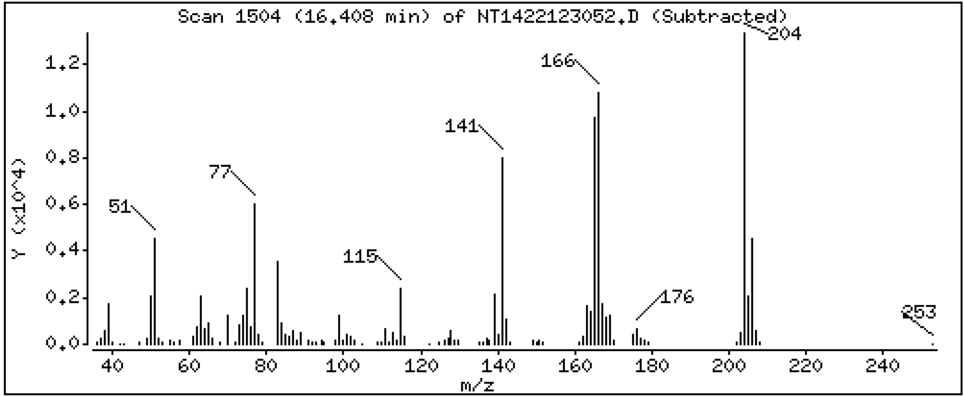
Sample Info: SKL0356-LCV2

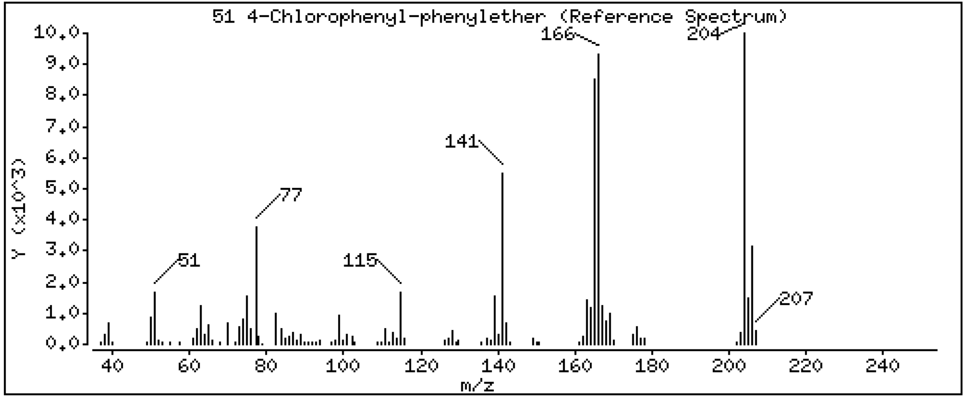
Operator: VTS

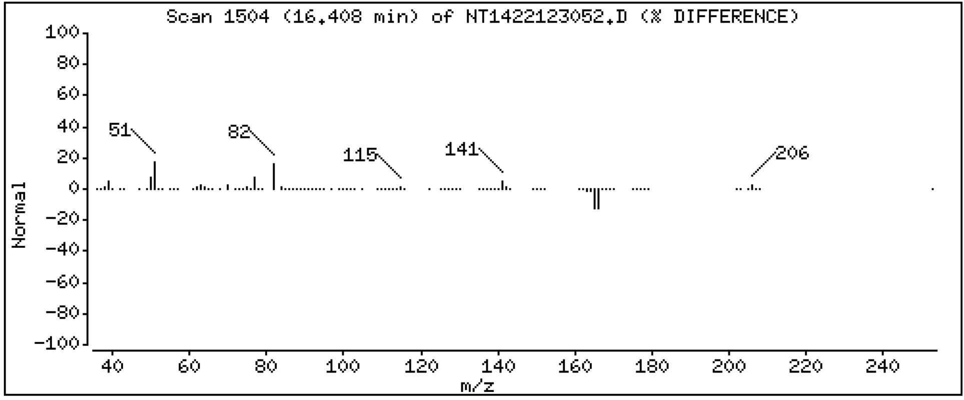
Column phase: ZB-5msi Column diameter: 0.25

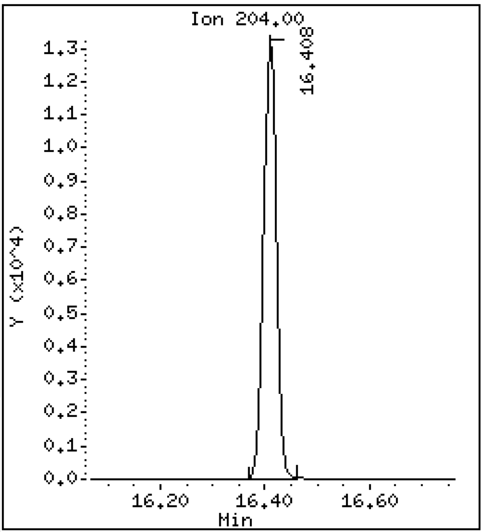
51 4-Chlorophenyl-phenylether Concentration: 0.4585 ug/mL


Scan 1504 (16.408 min) of NT1422123052.D


Scan 1504 (16.408 min) of NT1422123052.D (Subtracted)


51 4-Chlorophenyl-phenylether (Reference Spectrum)


Scan 1504 (16.408 min) of NT1422123052.D (% DIFFERENCE)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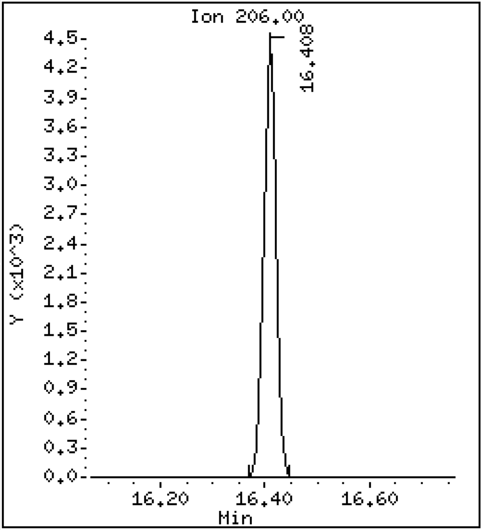
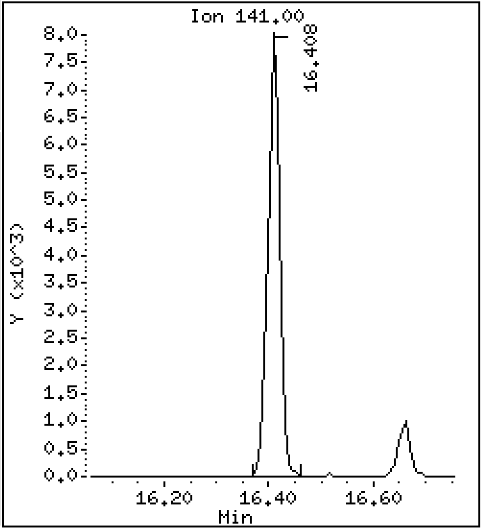

Ion 206.00


Ion 141.00

Data File: \\target\share\chem3\nt14.i\20221230B.b\NT1422123052.D

Date : 31-DEC-2022 15:05

Client ID:

Instrument: nt14.i

Sample Info: SKL0356-LCV2

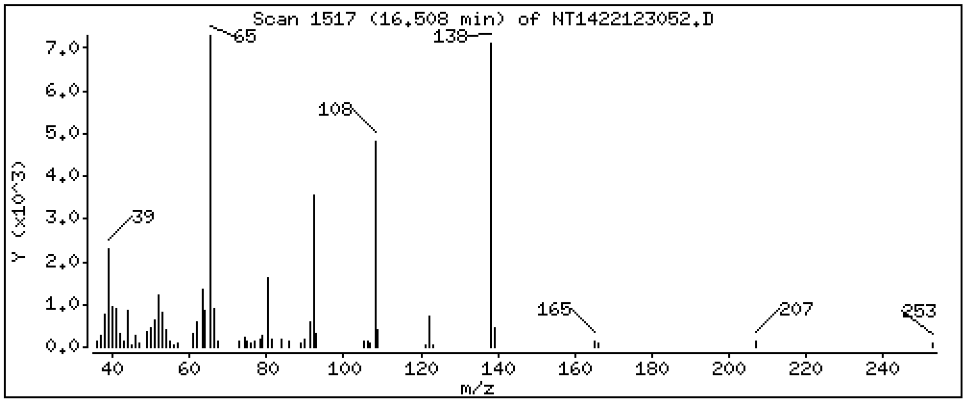
Operator: VTS

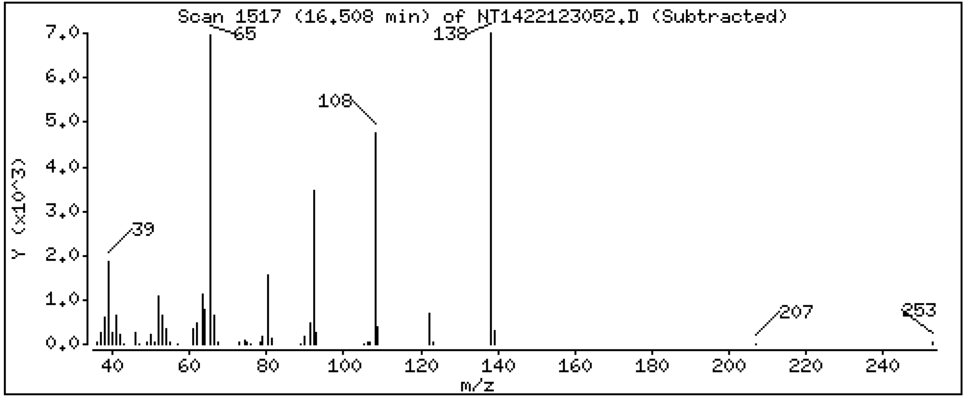
Column phase: ZB-5msi

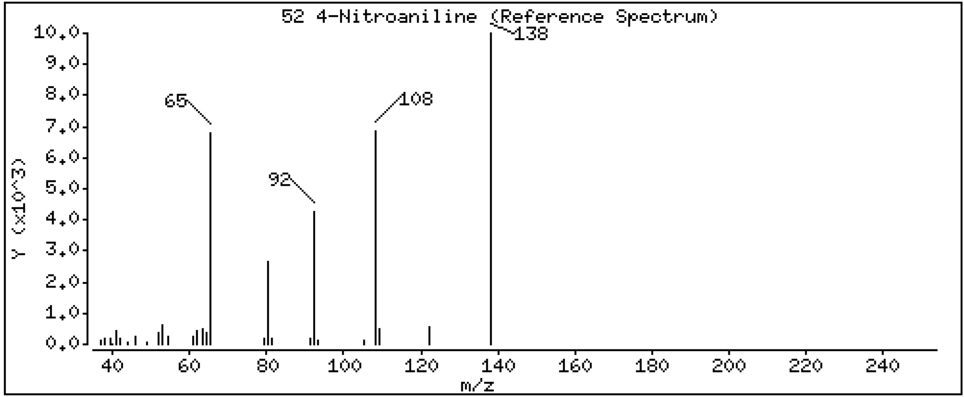
Column diameter: 0.25

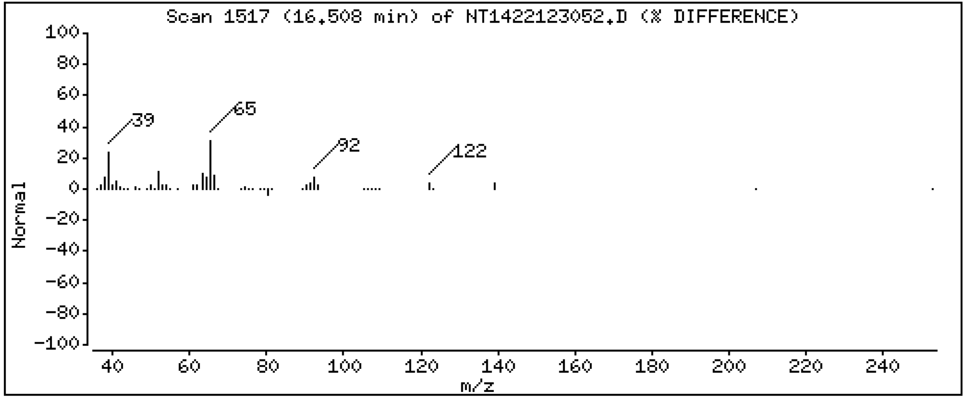
52 4-Nitroaniline

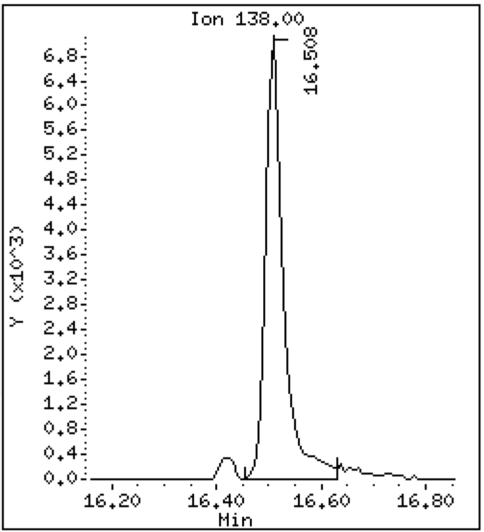
Concentration: 0.7926 ug/mL

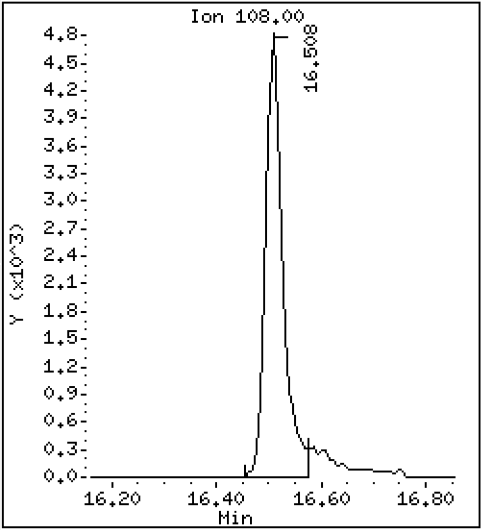

Scan 1517 (16.508 min) of NT1422123052.D

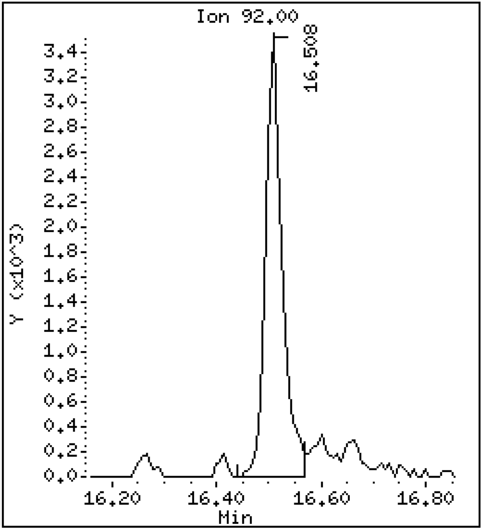

Scan 1517 (16.508 min) of NT1422123052.D (Subtracted)


52 4-Nitroaniline (Reference Spectrum)


Scan 1517 (16.508 min) of NT1422123052.D (% DIFFERENCE)


Ion 138.00


Ion 108.00


Ion 92.00

Data File: \\target\share\chem3\nt14.i\20221230B.b\NT1422123052.D

Date : 31-DEC-2022 15:05

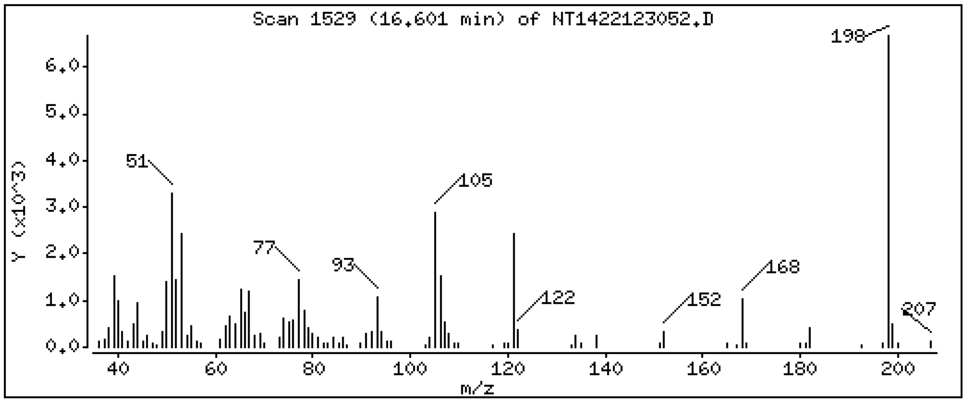
Client ID: Instrument: nt14.i

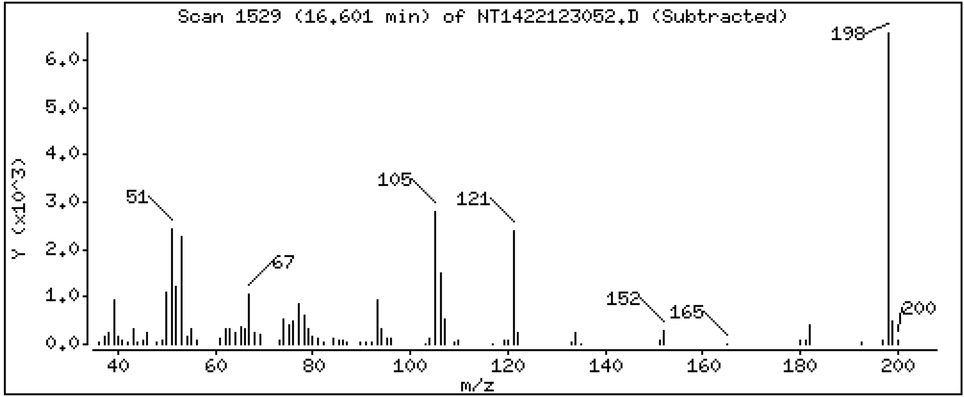
Sample Info: SKL0356-LCV2

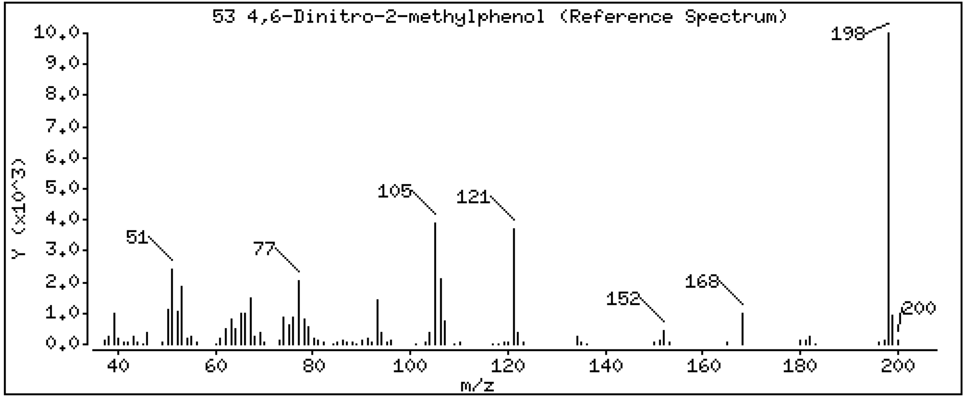
Operator: VTS

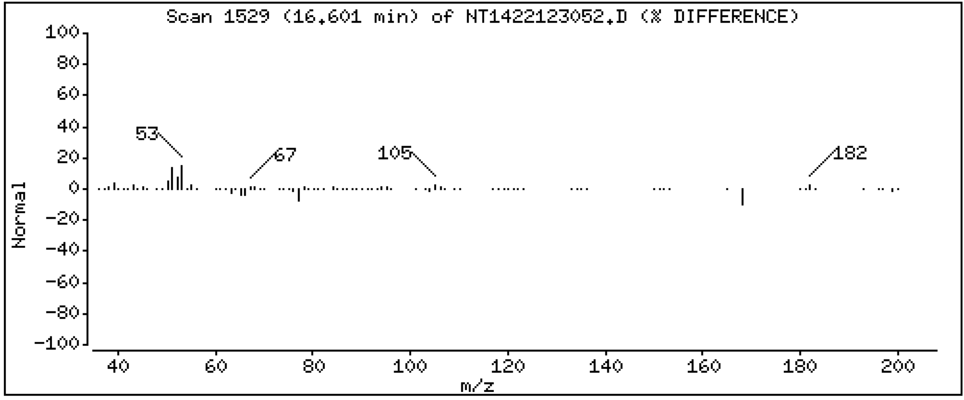
Column phase: ZB-5msi Column diameter: 0.25

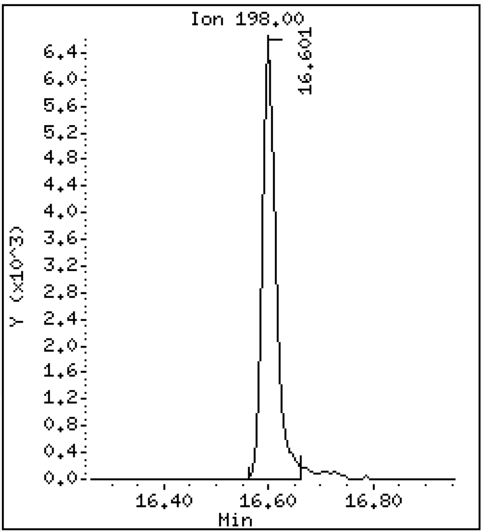
53 4,6-Dinitro-2-methylphenol Concentration: 0.7566 ug/mL

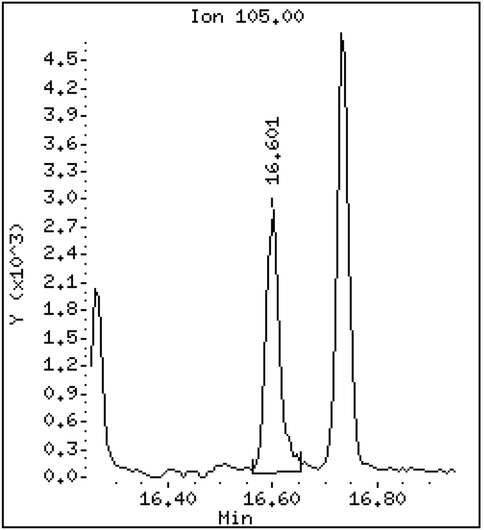


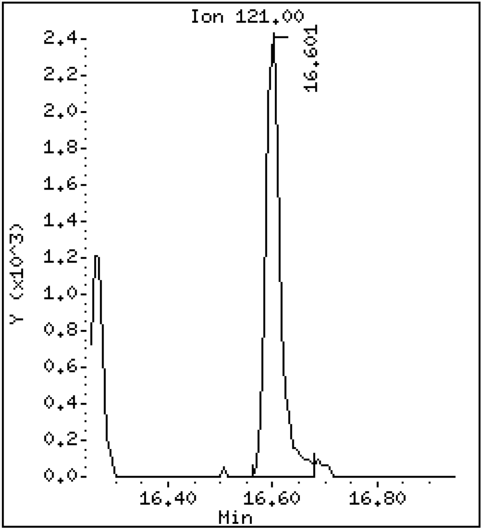












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Date : 31-DEC-2022 15:05

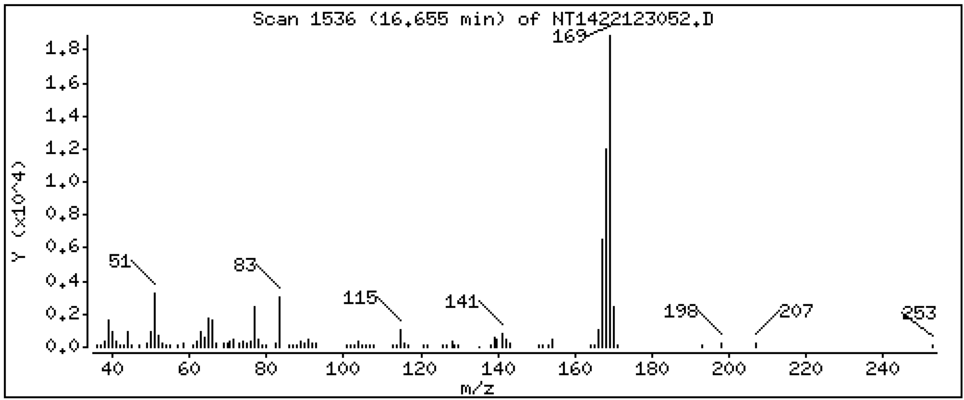
Client ID: Instrument: nt14.i

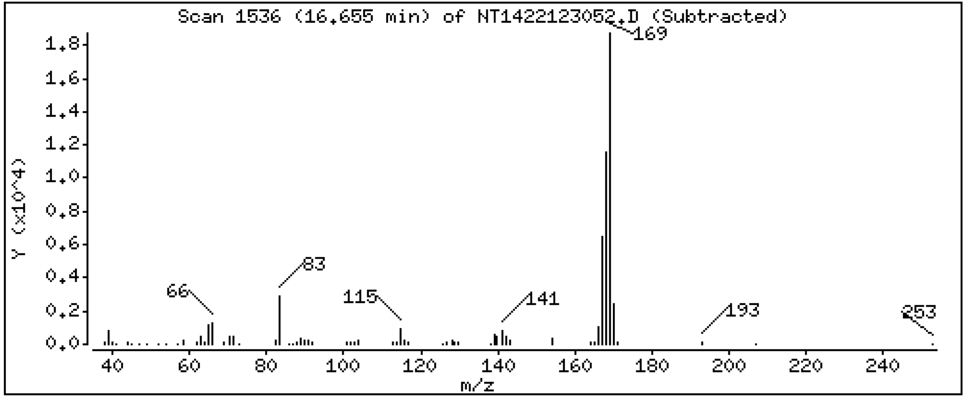
Sample Info: SKL0356-LCV2

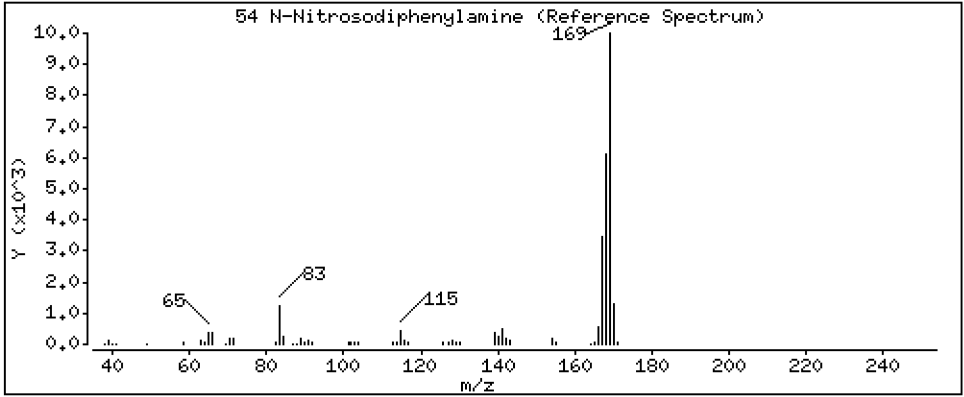
Operator: VTS

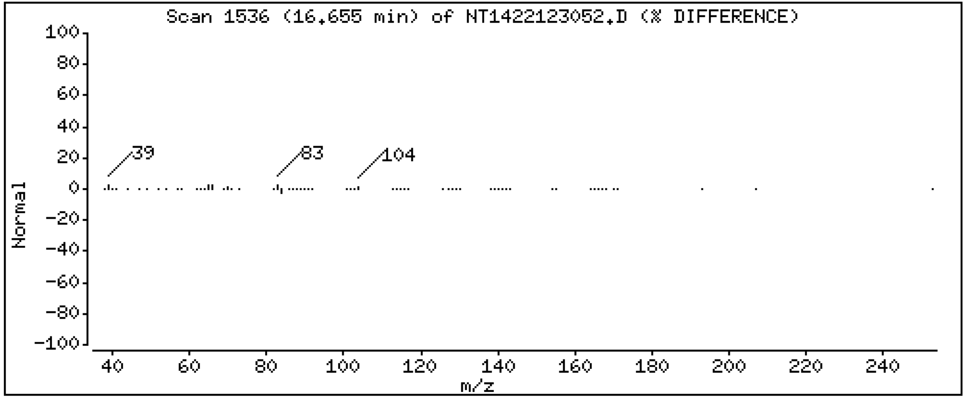
Column phase: ZB-5msi Column diameter: 0.25

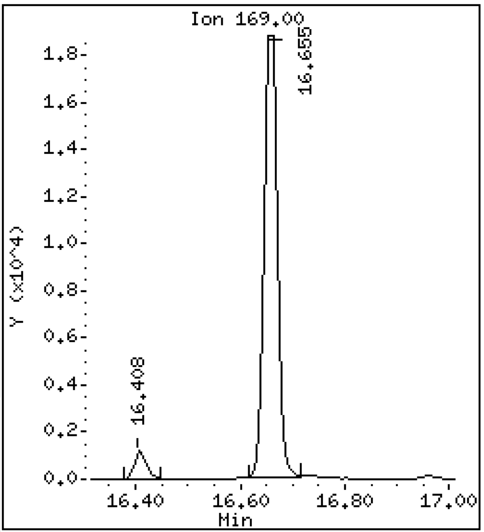
54 N-Nitrosodiphenylamine Concentration: 0.5113 ug/mL

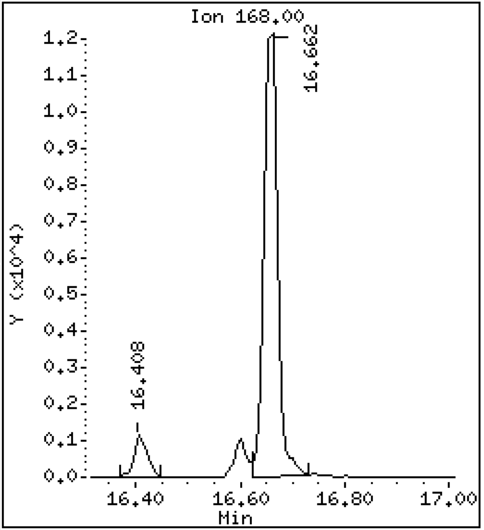

Scan 1536 (16.655 min) of NT1422123052.D


Scan 1536 (16.655 min) of NT1422123052.D (Subtracted)


54 N-Nitrosodiphenylamine (Reference Spectrum)


Scan 1536 (16.655 min) of NT1422123052.D (% DIFFERENCE)


Ion 169.00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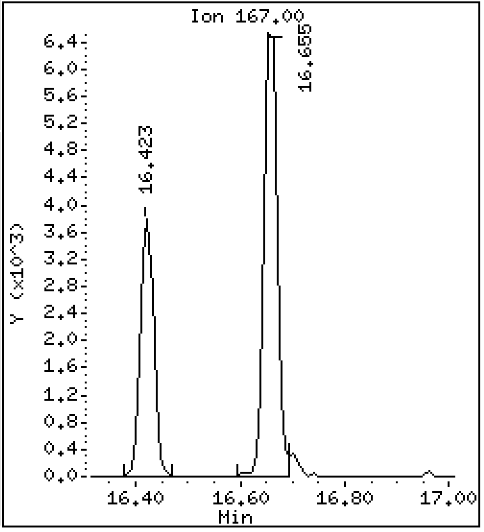

Ion 167.00

Data File: \\target\share\chem3\nt14.i\20221230B.b\NT1422123052.D

Date : 31-DEC-2022 15:05

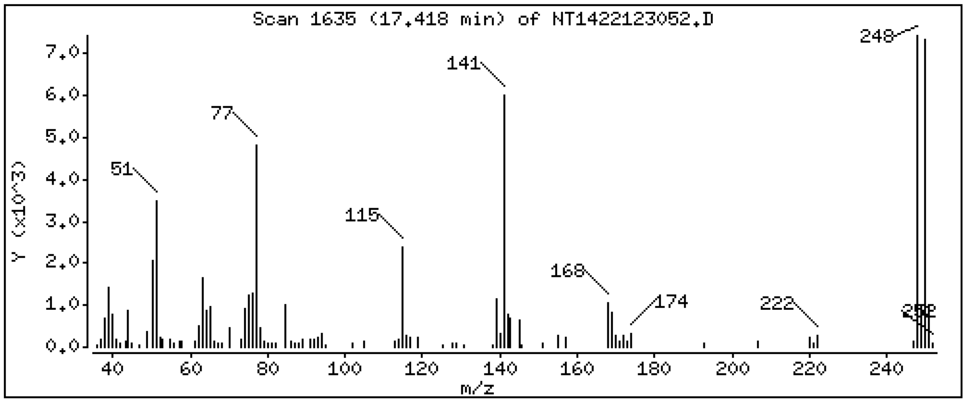
Client ID: Instrument: nt14.i

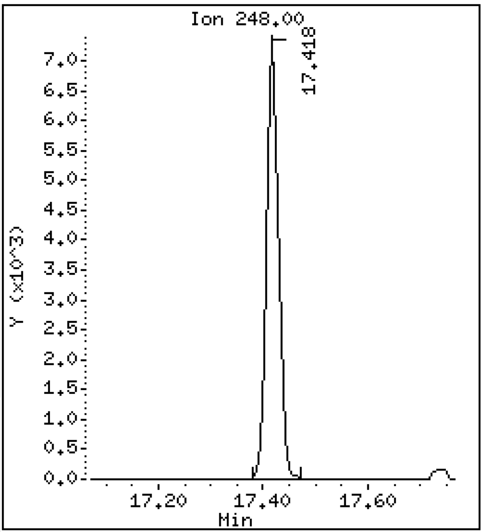
Sample Info: SKL0356-LCV2

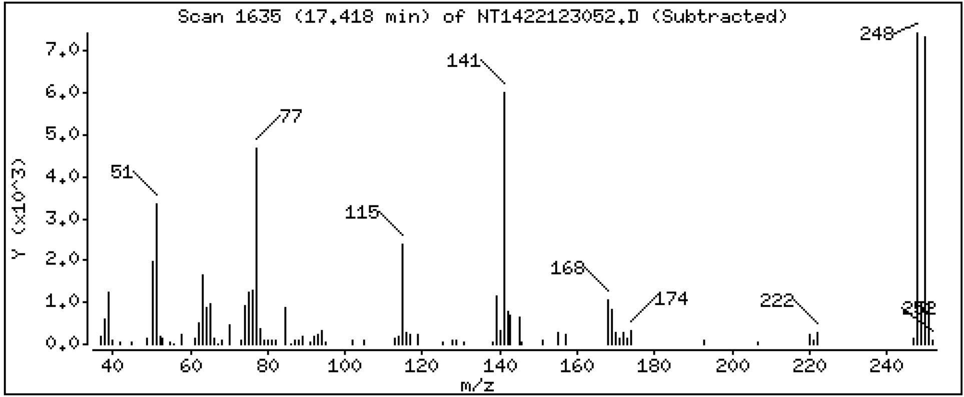
Operator: VTS

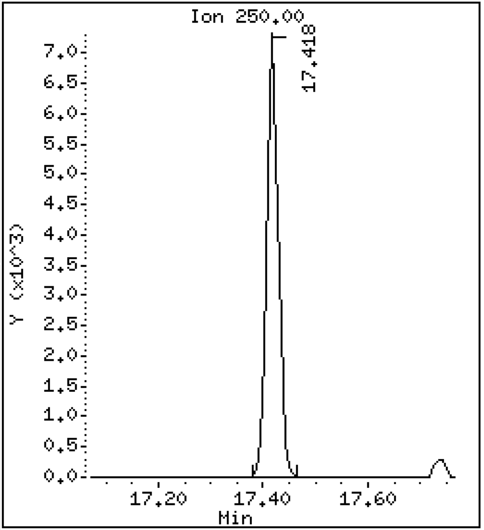
Column phase: ZB-5msi Column diameter: 0.25

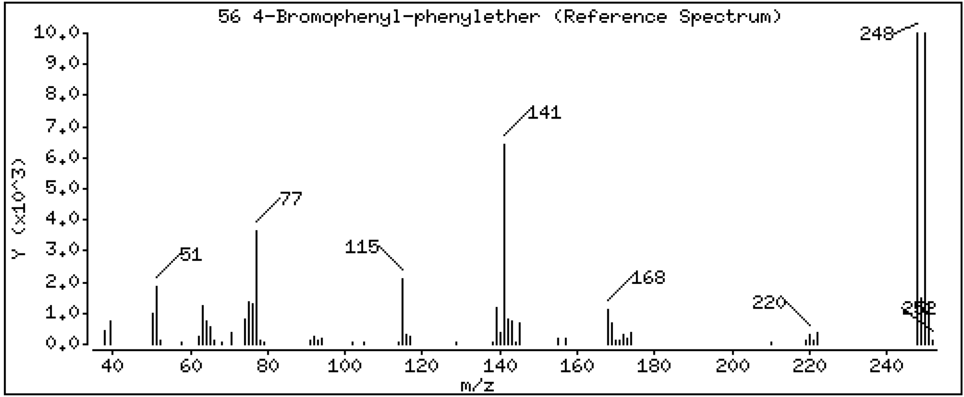
56 4-Bromophenyl-phenylether Concentration: 0.4903 ug/mL

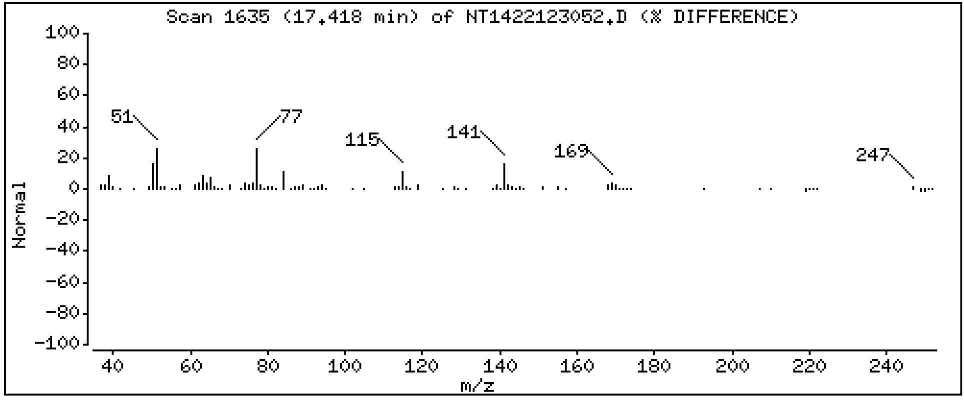


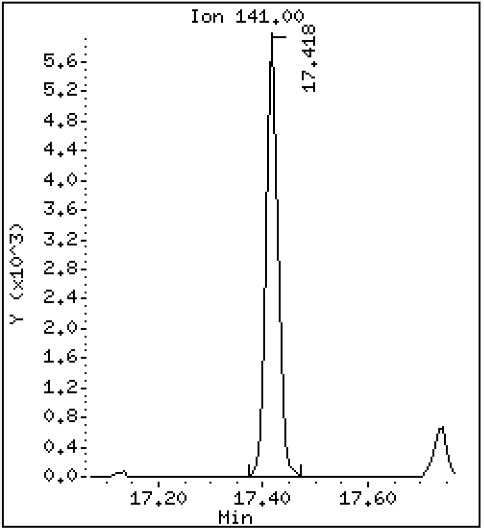












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Date : 31-DEC-2022 15:05

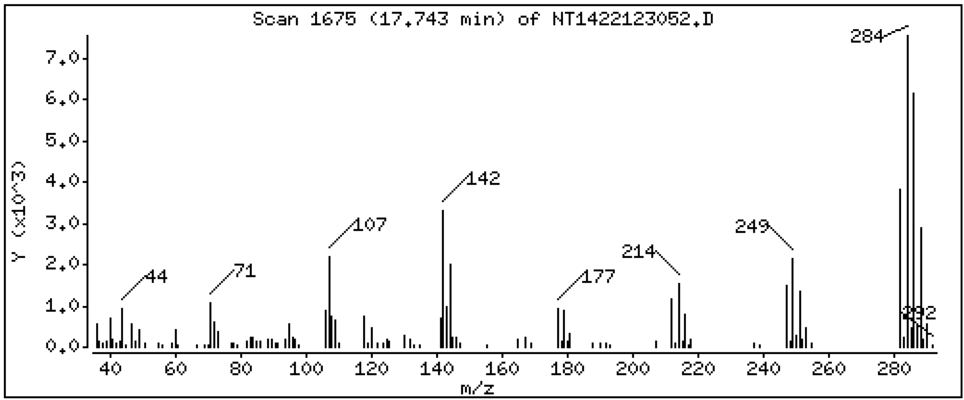
Client ID: Instrument: nt14.i

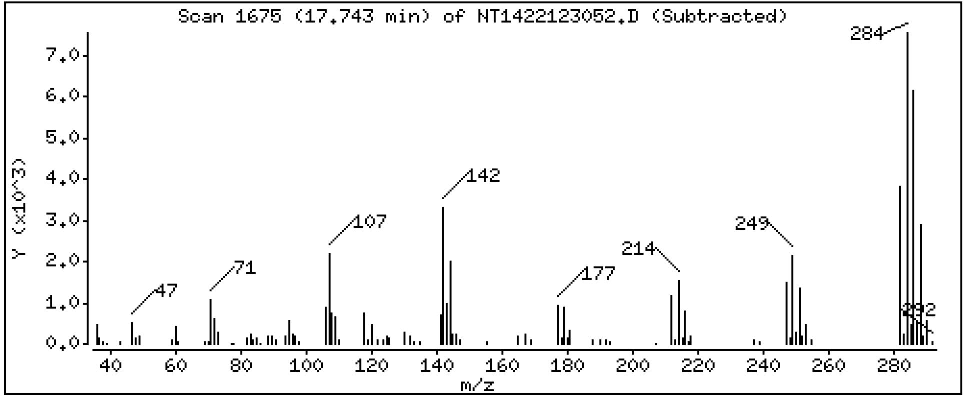
Sample Info: SKL0356-LCV2

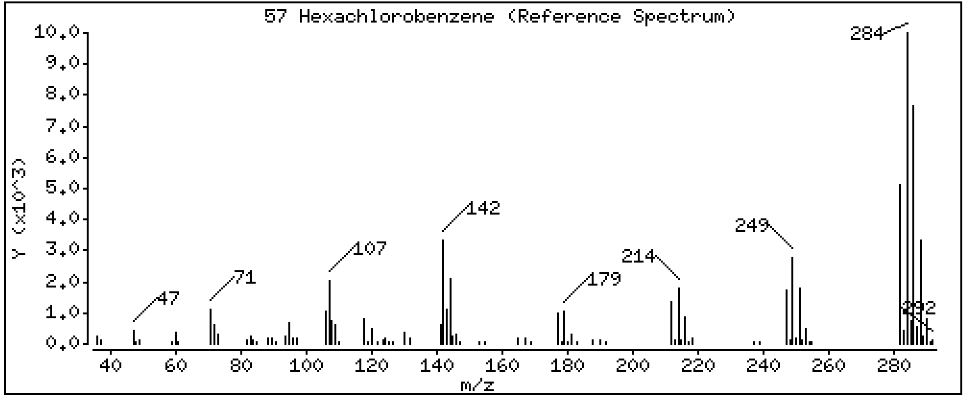
Operator: VTS

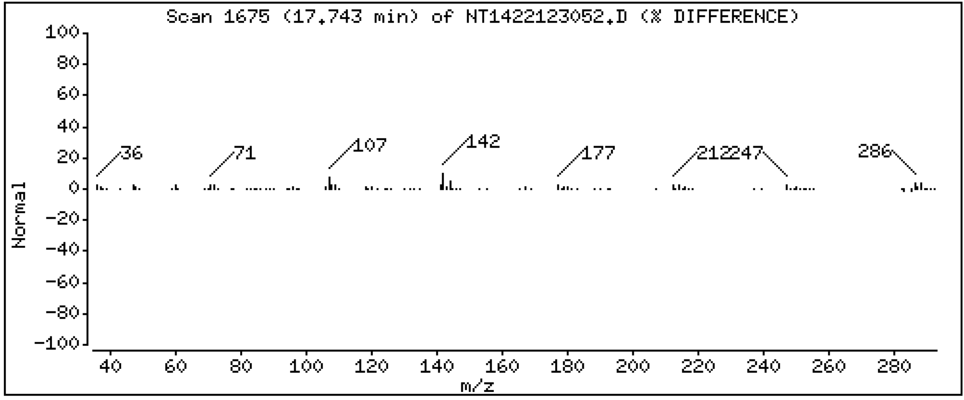
Column phase: ZB-5msi Column diameter: 0.25

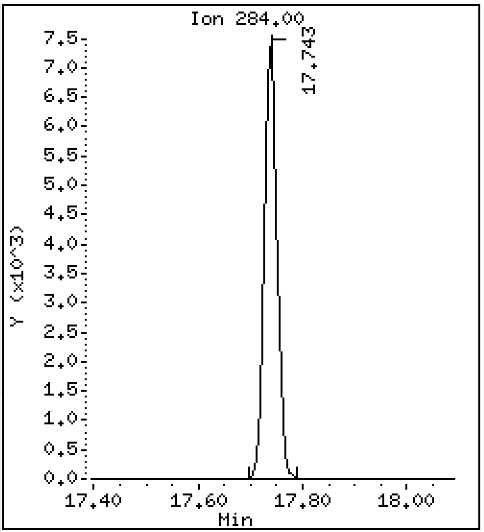
57 Hexachlorobenzene Concentration: 0.4900 ug/mL

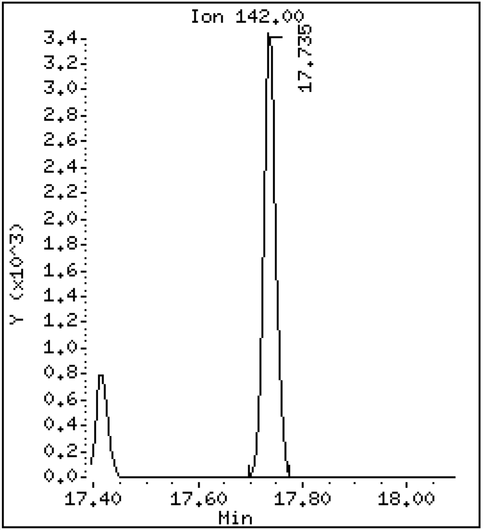


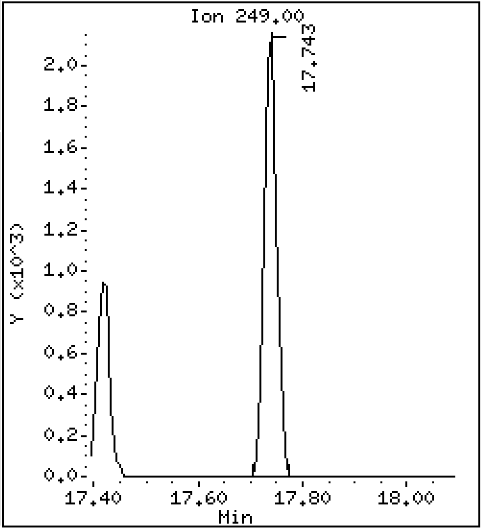












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Date : 31-DEC-2022 15:05

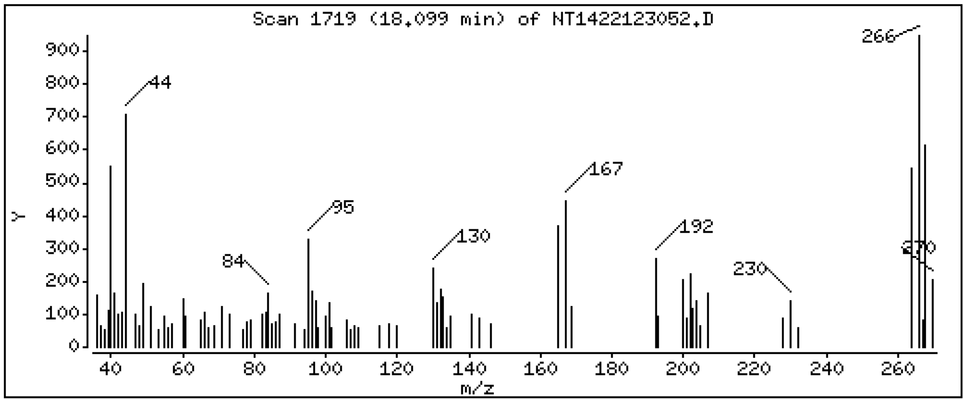
Client ID: Instrument: nt14.i

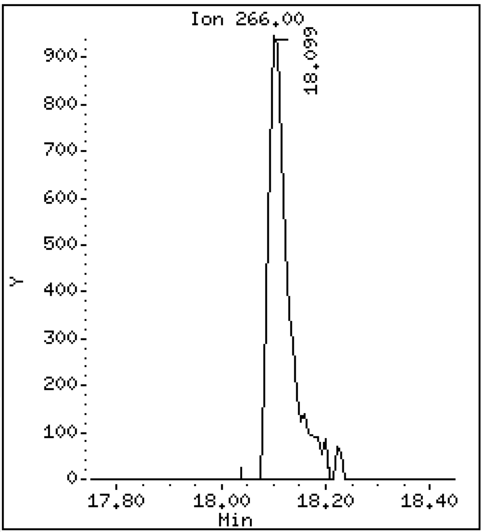
Sample Info: SKL0356-LCV2

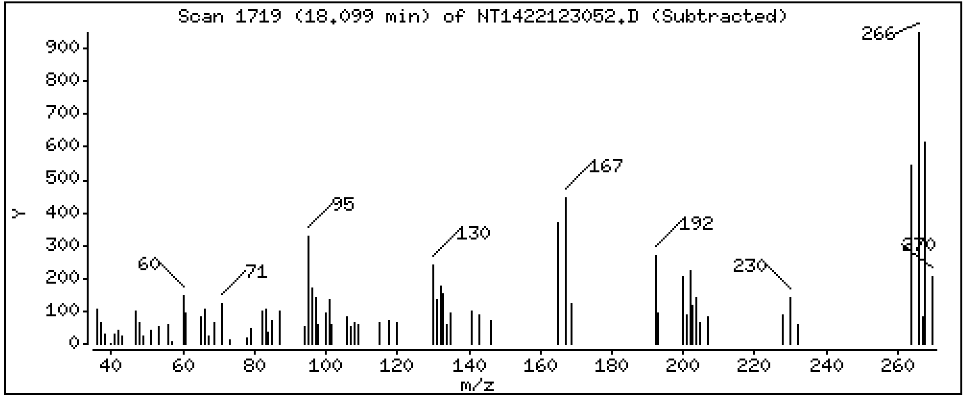
Operator: VTS

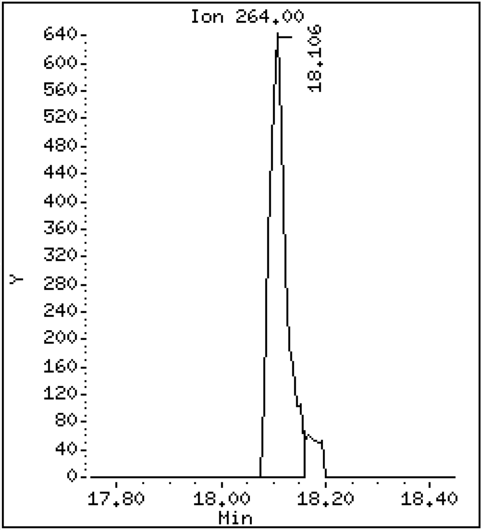
Column phase: ZB-5msi Column diameter: 0.25

58 Pentachlorophenol Concentration: 0.2250 ug/mL


Scan 1719 (18.099 min) of NT1422123052.D


Ion 266.00


Scan 1719 (18.099 min) of NT1422123052.D (Subtracted)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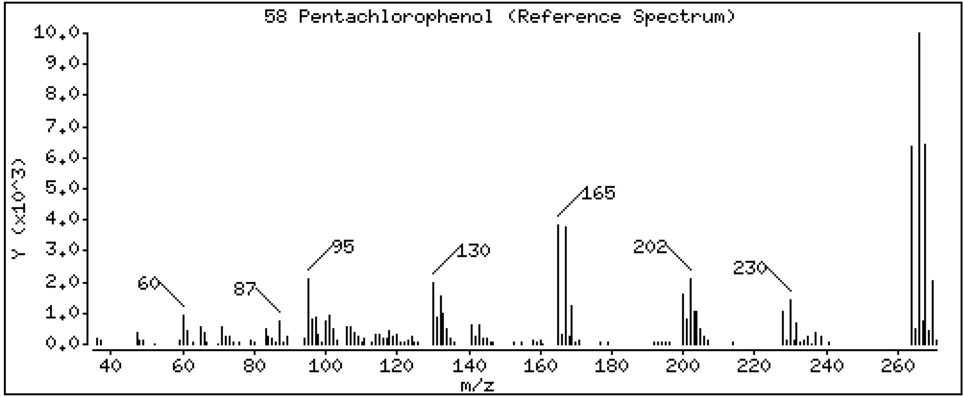
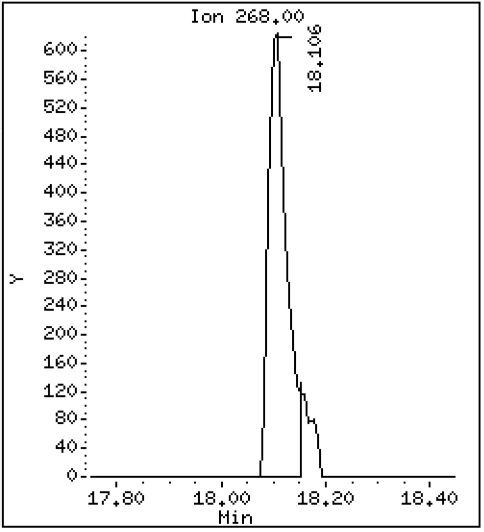
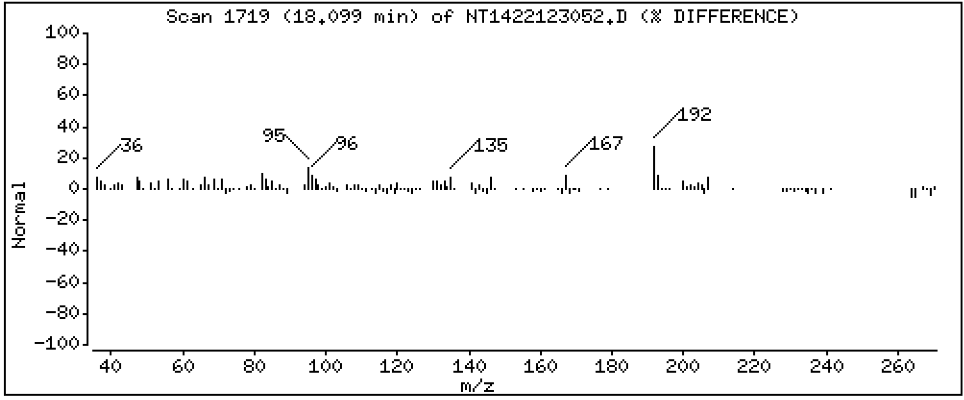

58 Pentachlorophenol (Reference Spectrum)


Ion 268.00


Scan 1719 (18.099 min) of NT1422123052.D (% DIFFERENCE)

Data File: \\target\share\chem3\nt14.i\20221230B.b\NT1422123052.D

Date : 31-DEC-2022 15:05

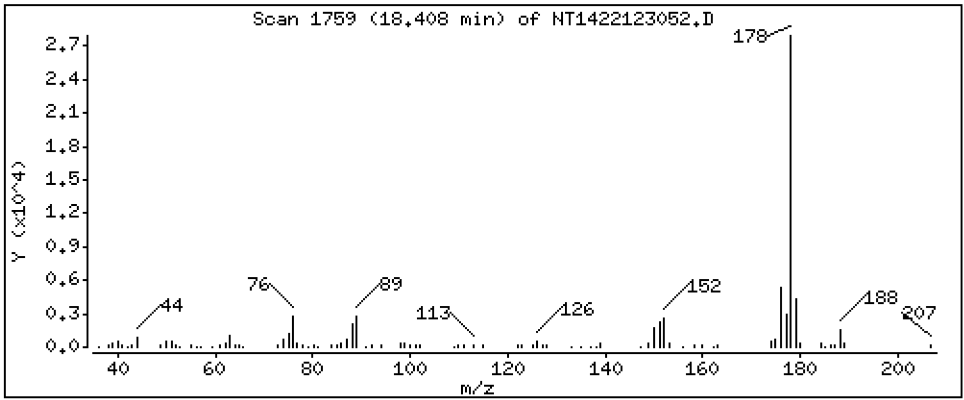
Client ID: Instrument: nt14.i

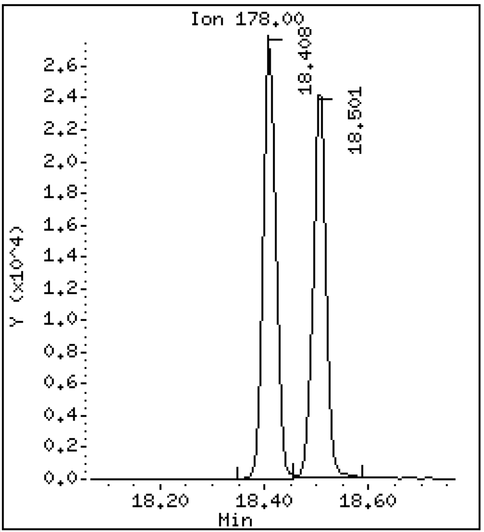
Sample Info: SKL0356-LCV2

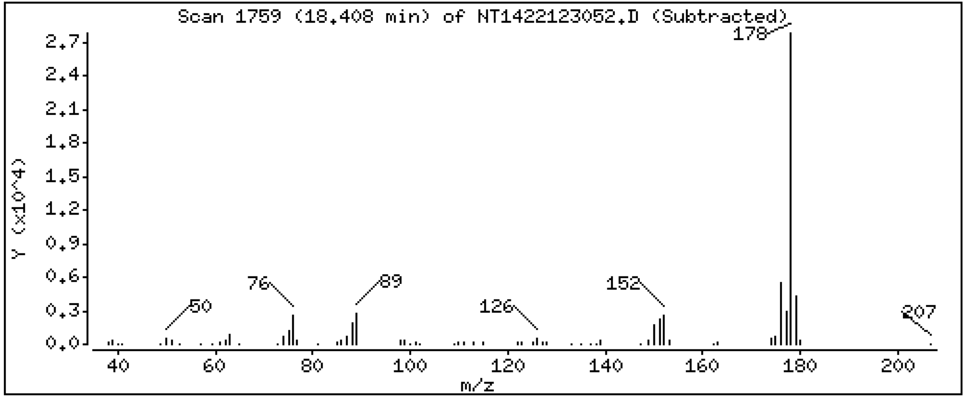
Operator: VTS

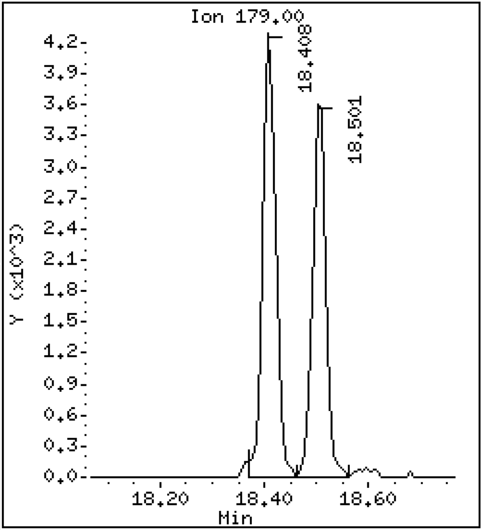
Column phase: ZB-5msi Column diameter: 0.25

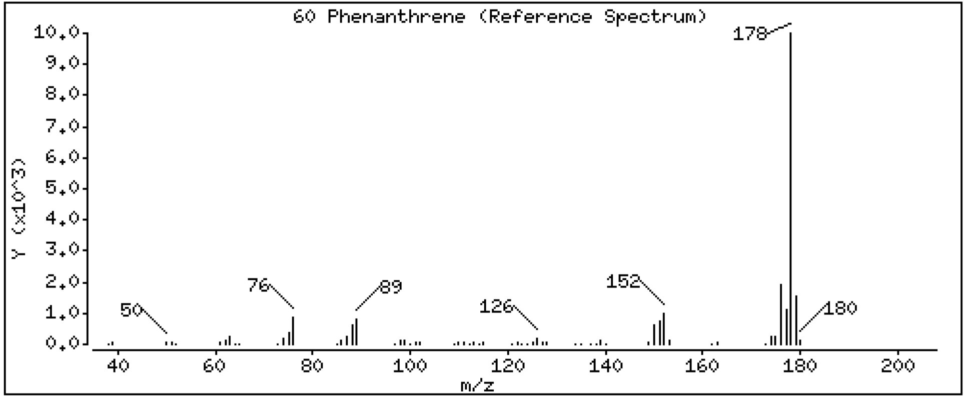
60 Phenanthrene Concentration: 0.4886 ug/mL

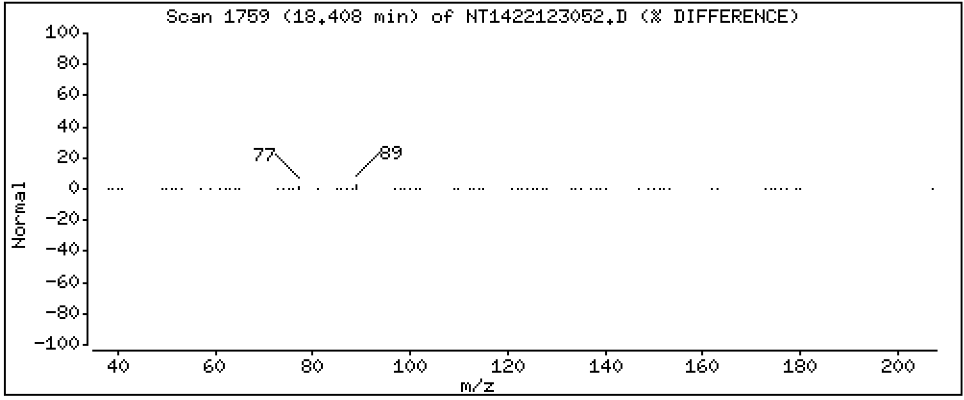


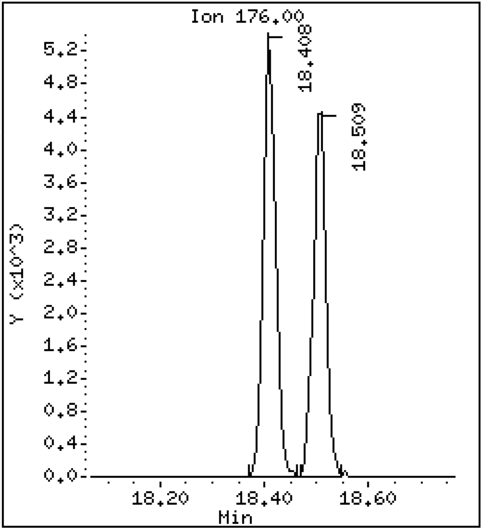












Data File: \\target\share\chem3\nt14.i\20221230B.b\NT1422123052.D

Date : 31-DEC-2022 15:05

Client ID:

Instrument: nt14.i

Sample Info: SKL0356-LCV2

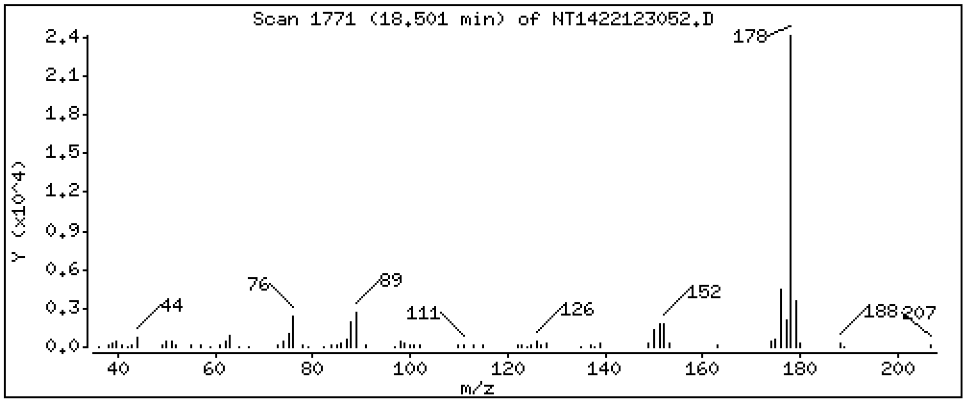
Operator: VTS

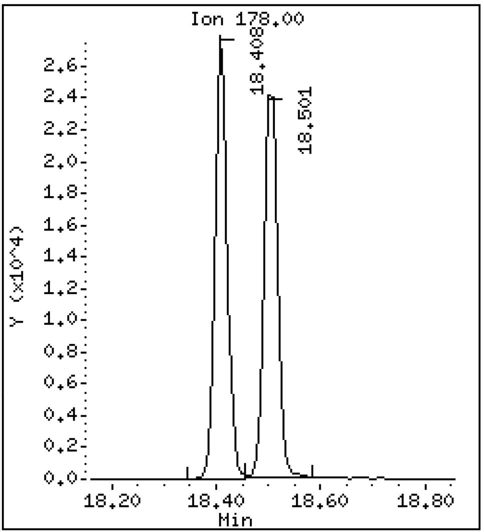
Column phase: ZB-5msi

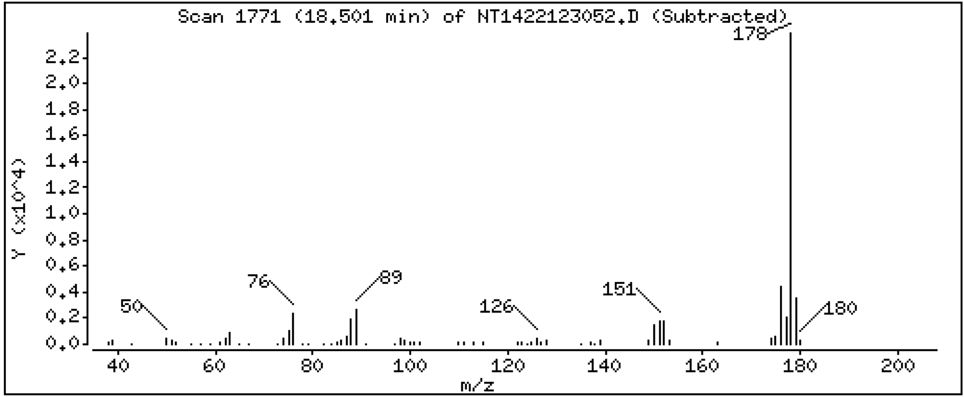
Column diameter: 0.25

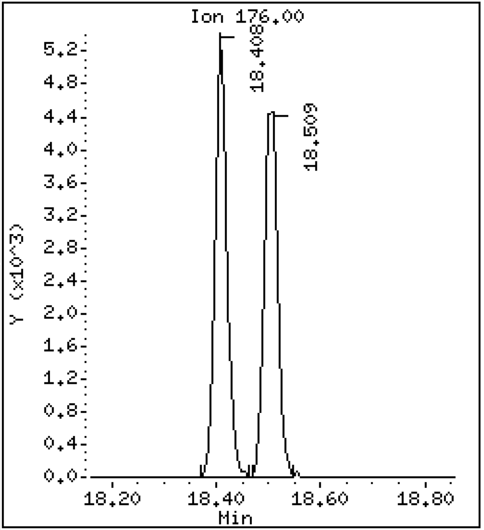
61 Anthracene

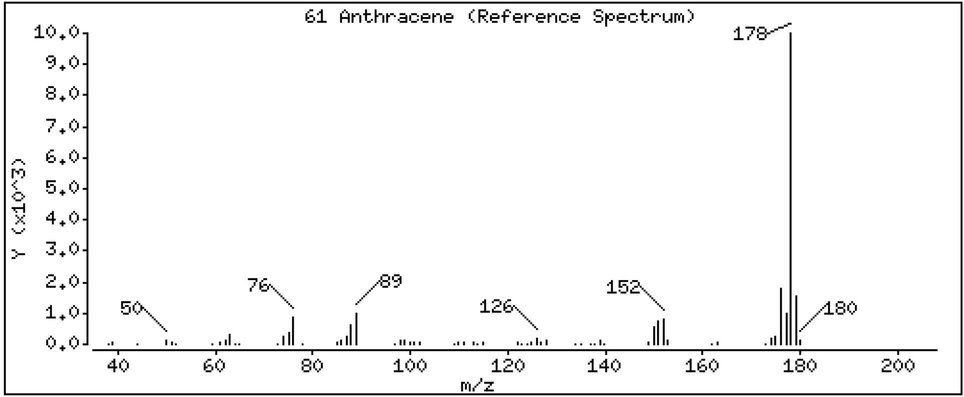
Concentration: 0.4683 ug/mL

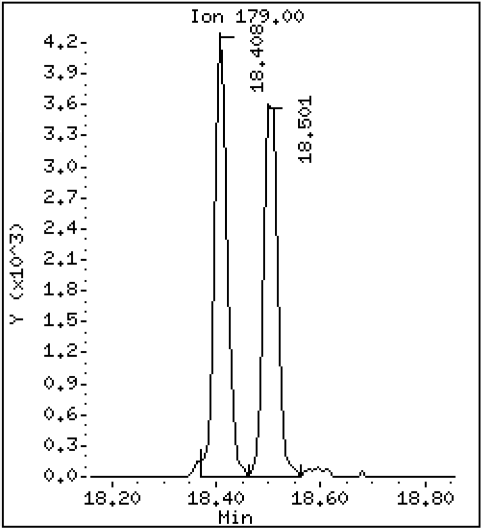


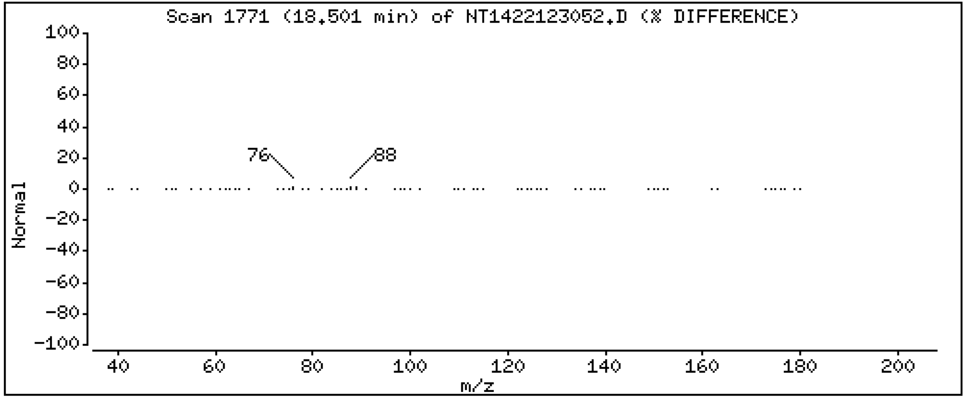












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Date : 31-DEC-2022 15:05

Client ID:

Instrument: nt14.i

Sample Info: SKL0356-LCV2

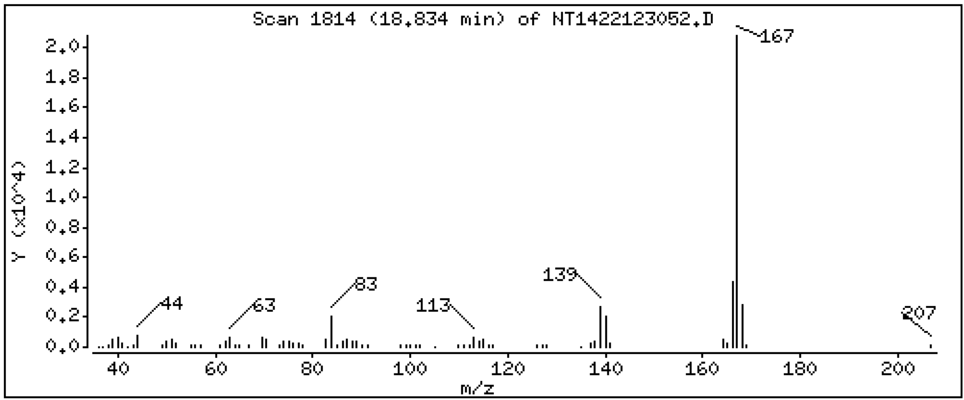
Operator: VTS

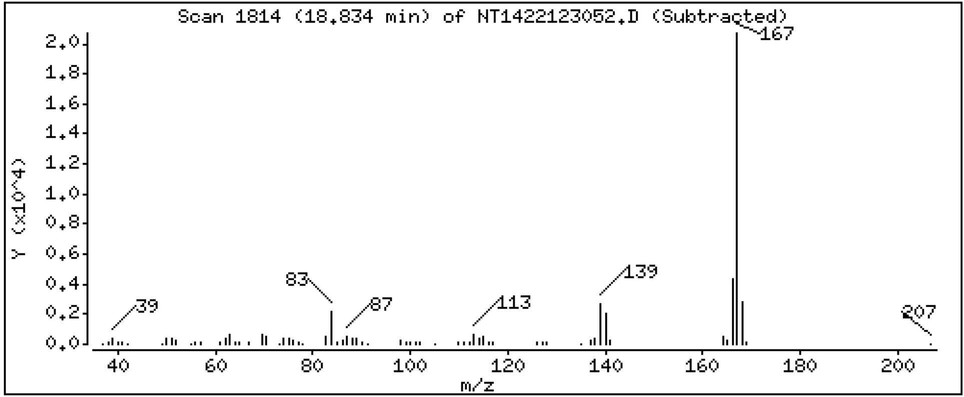
Column phase: ZB-5msi

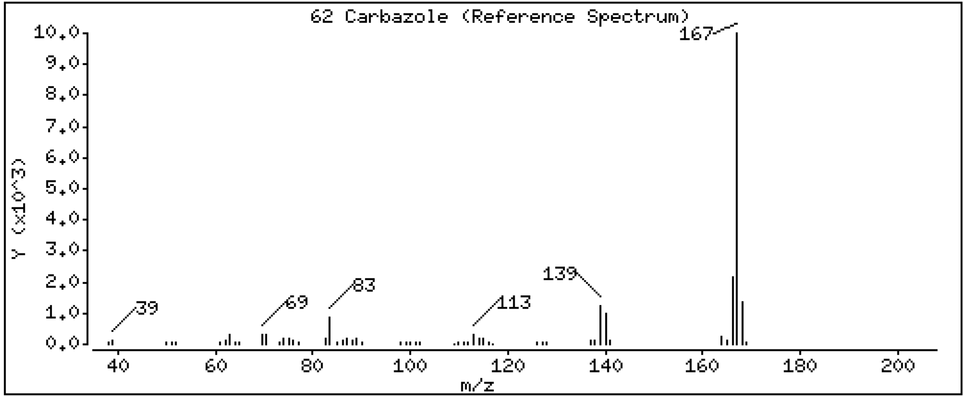
Column diameter: 0.25

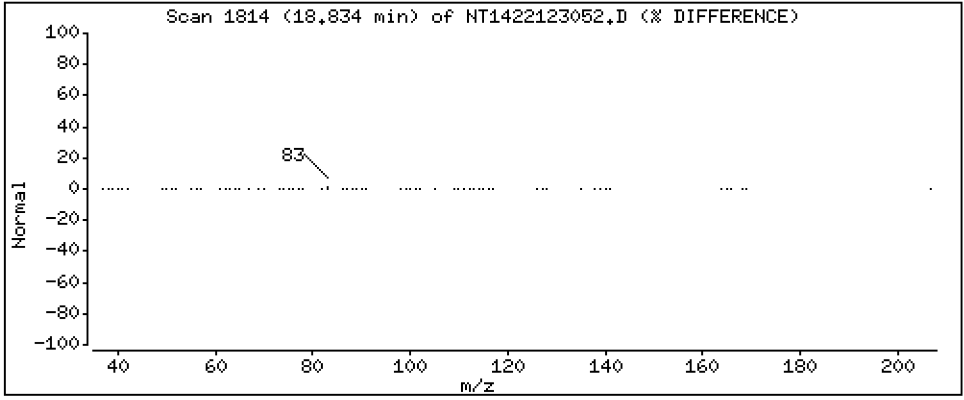
62 Carbazole

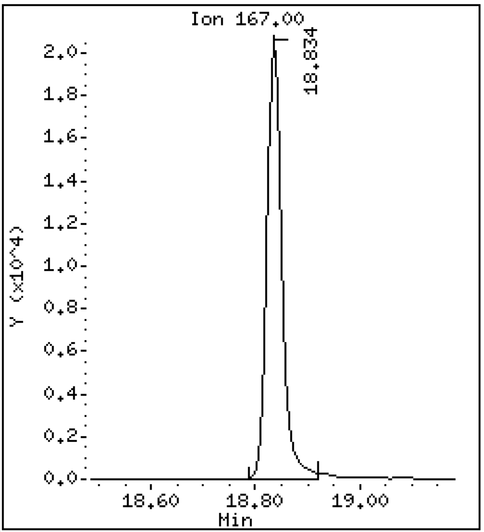
Concentration: 0.4608 ug/mL

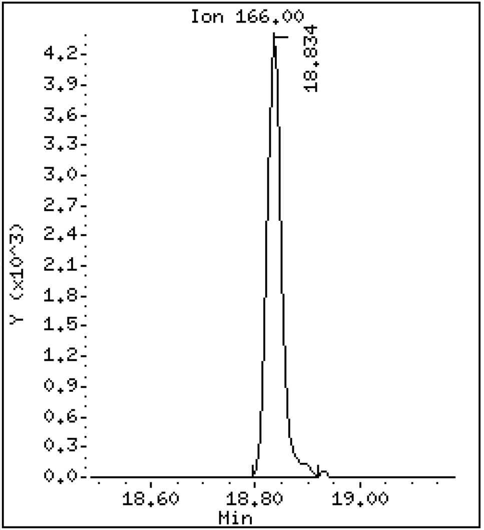

Scan 1814 (18.834 min) of NT1422123052.D

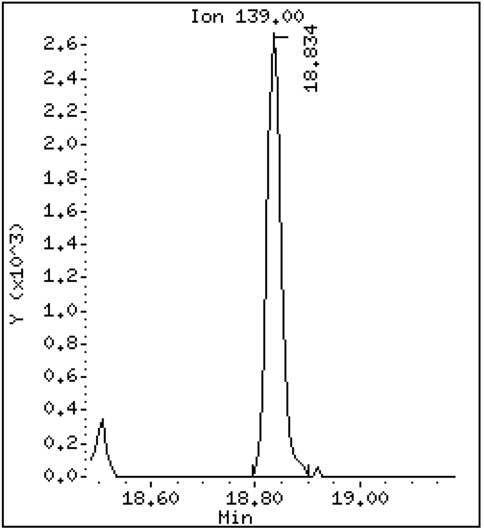

Scan 1814 (18.834 min) of NT1422123052.D (Subtracted)


62 Carbazole (Reference Spectrum)


Scan 1814 (18.834 min) of NT1422123052.D (% DIFFERENCE)


Ion 167.00


Ion 166.00


Ion 139.00

Data File: \\target\share\chem3\nt14.i\20221230B.b\NT1422123052.D

Date : 31-DEC-2022 15:05

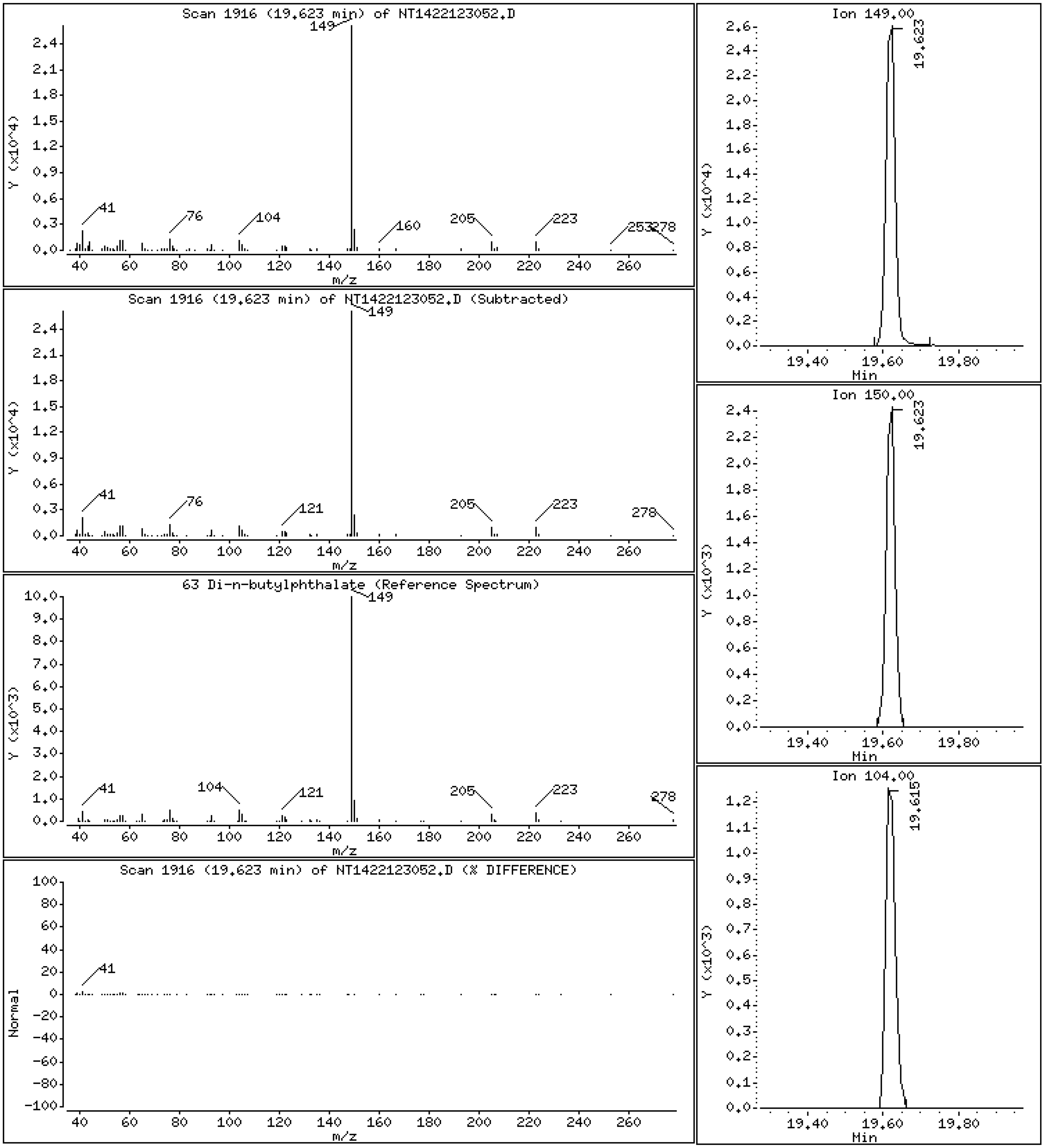
Client ID: Instrument: nt14.i

Sample Info: SKL0356-LCV2

Operator: VTS

Column phase: ZB-5msi Column diameter: 0.25

63 Di-n-butylphthalate Concentration: 0.4286 ug/mL



Data File: \\target\share\chem3\nt14.i\20221230B.b\NT1422123052.D

Date : 31-DEC-2022 15:05

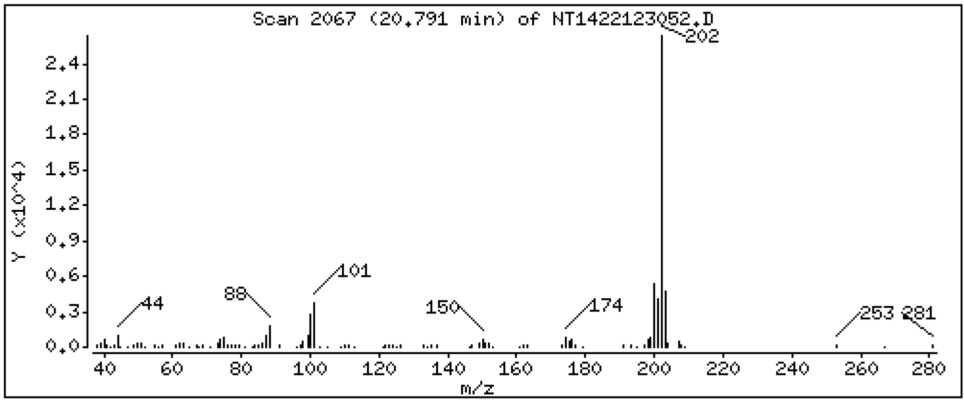
Client ID: Instrument: nt14.i

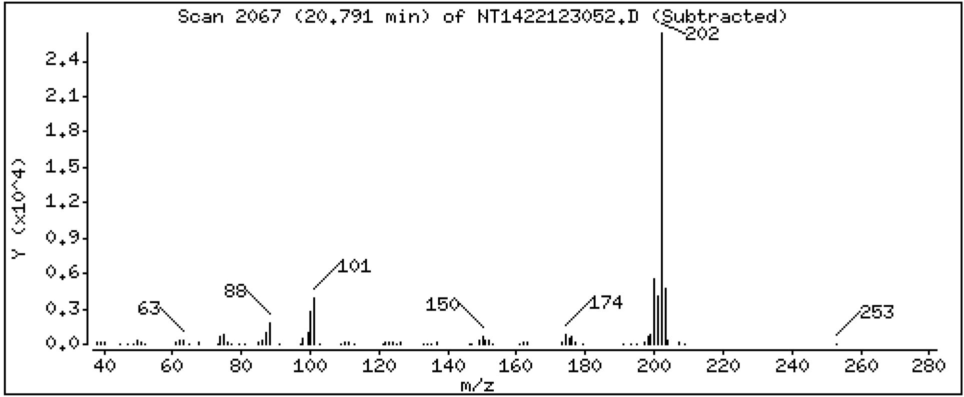
Sample Info: SKL0356-LCV2

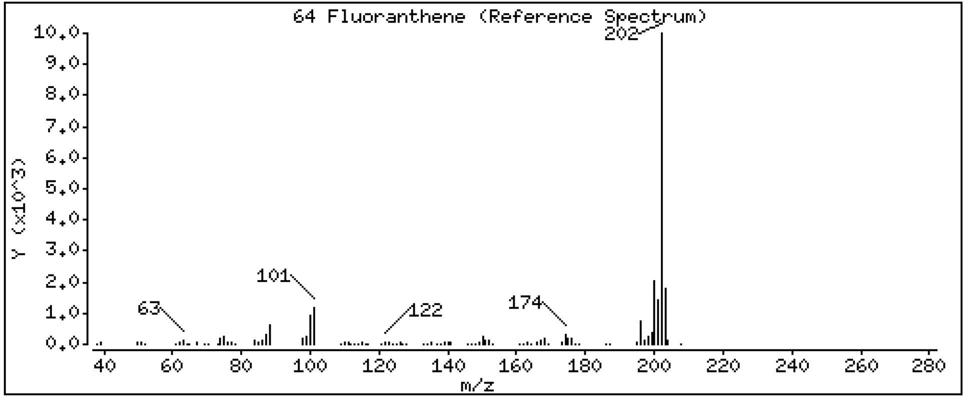
Operator: VTS

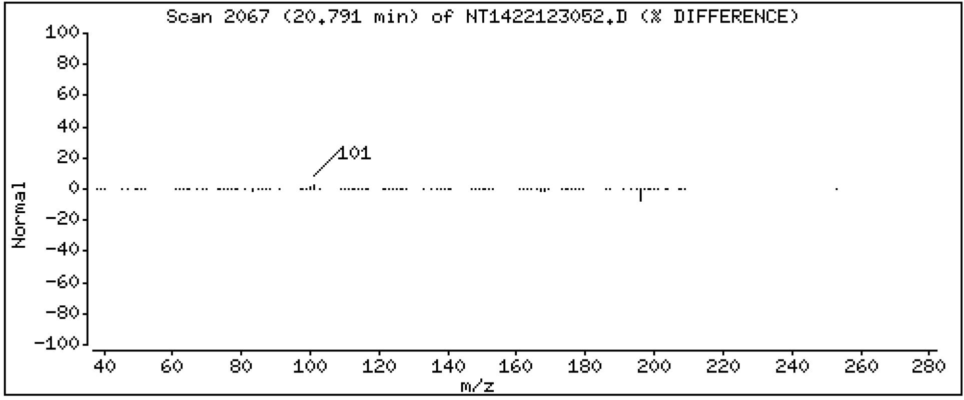
Column phase: ZB-5msi Column diameter: 0.25

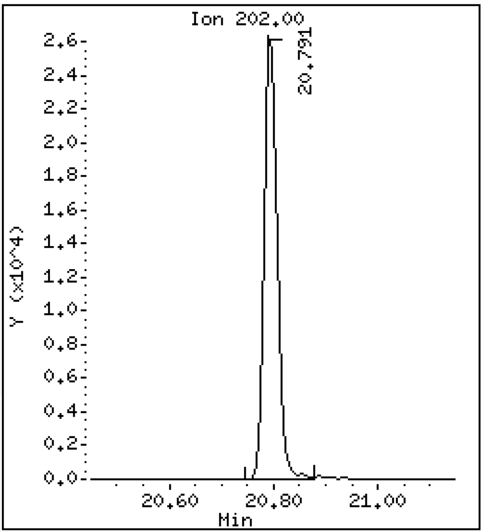
64 Fluoranthene Concentration: 0.4643 ug/mL

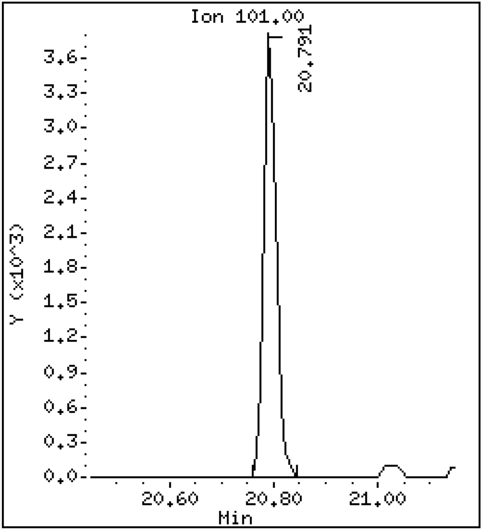

Scan 2067 (20.791 min) of NT1422123052.D

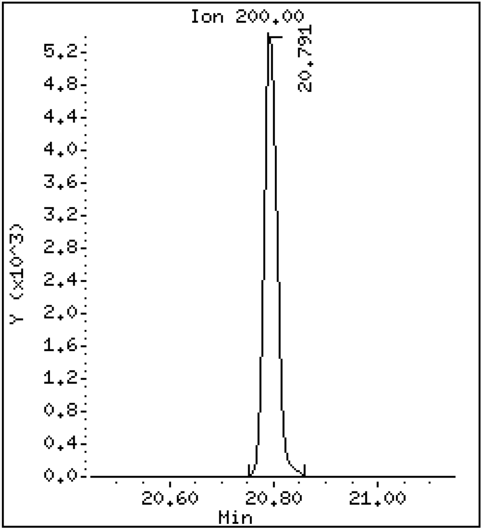

Scan 2067 (20.791 min) of NT1422123052.D (Subtracted)


64 Fluoranthene (Reference Spectrum)


Scan 2067 (20.791 min) of NT1422123052.D (% DIFFERENCE)


Ion 202.00


Ion 101.00


Ion 200.00

Data File: \\target\share\chem3\nt14.i\20221230B.b\NT1422123052.D

Date : 31-DEC-2022 15:05

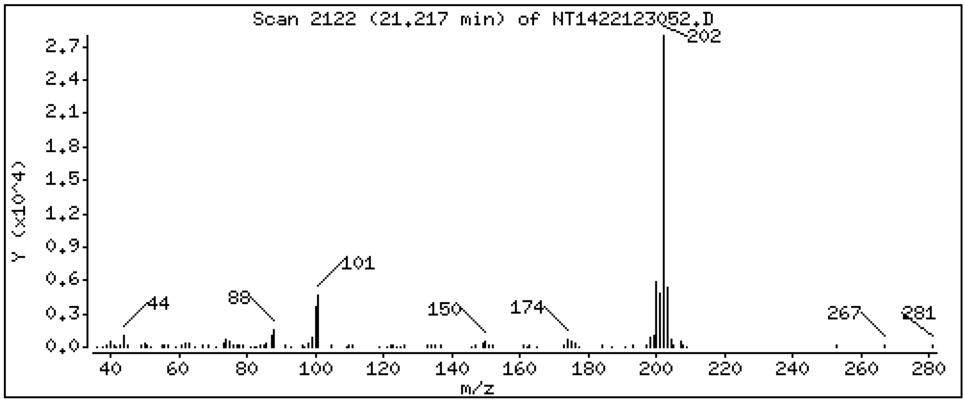
Client ID: Instrument: nt14.i

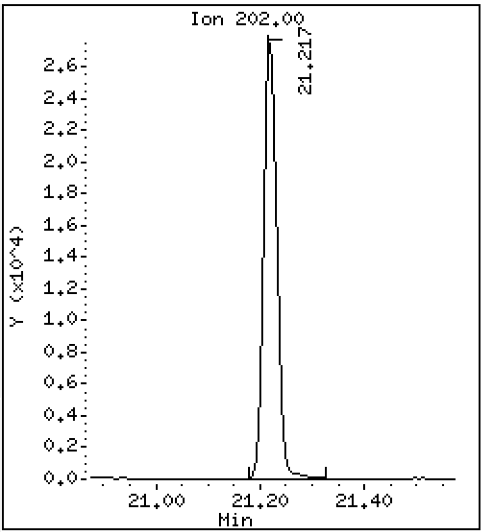
Sample Info: SKL0356-LCV2

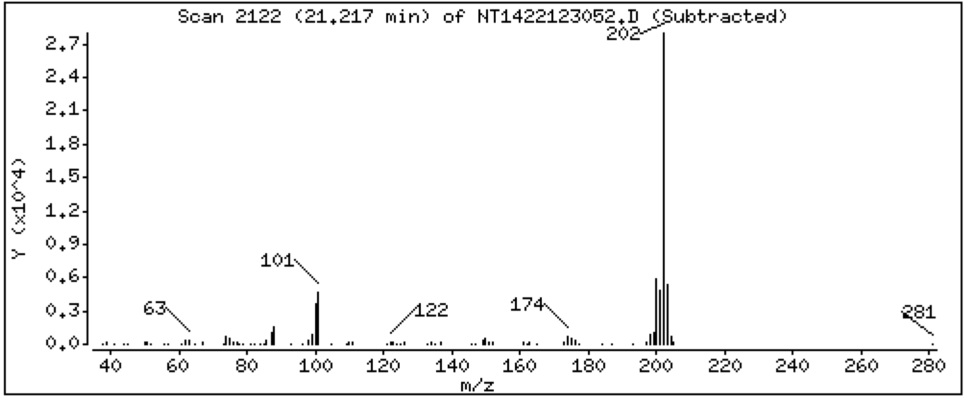
Operator: VTS

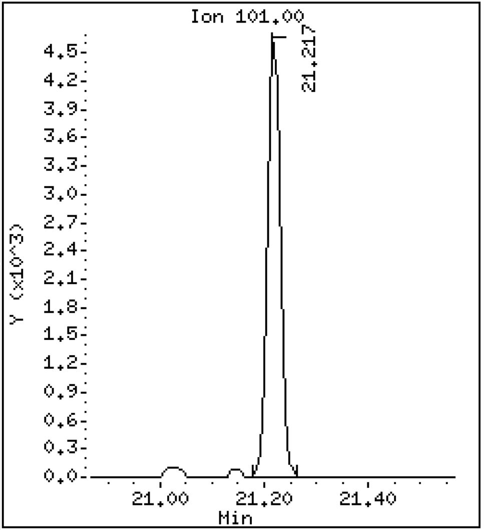
Column phase: ZB-5msi Column diameter: 0.25

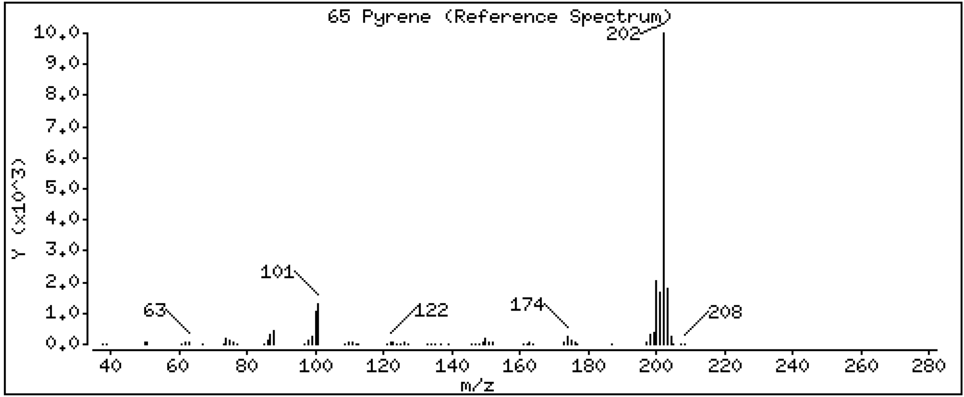
65 Pyrene Concentration: 0.4679 ug/mL

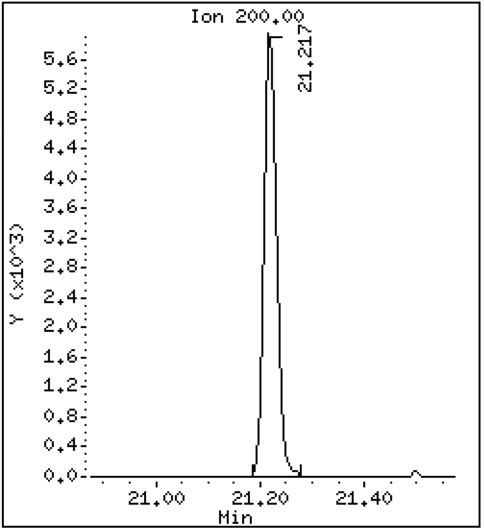


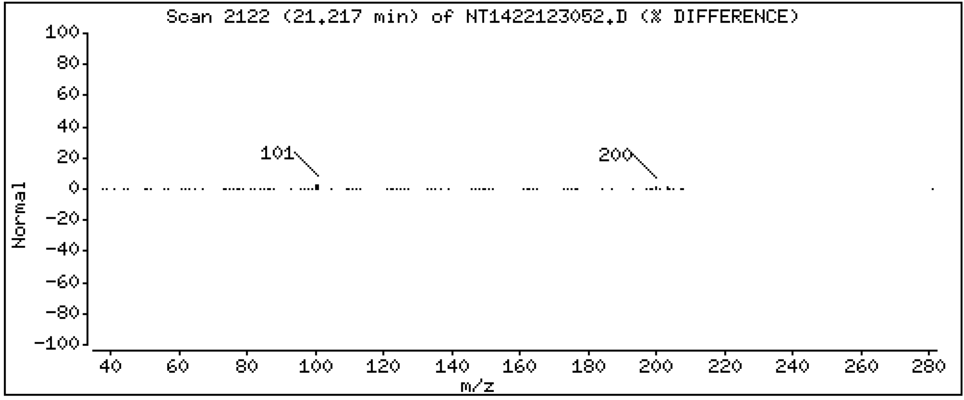












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Date : 31-DEC-2022 15:05

Client ID:

Instrument: nt14.i

Sample Info: SKL0356-LCV2

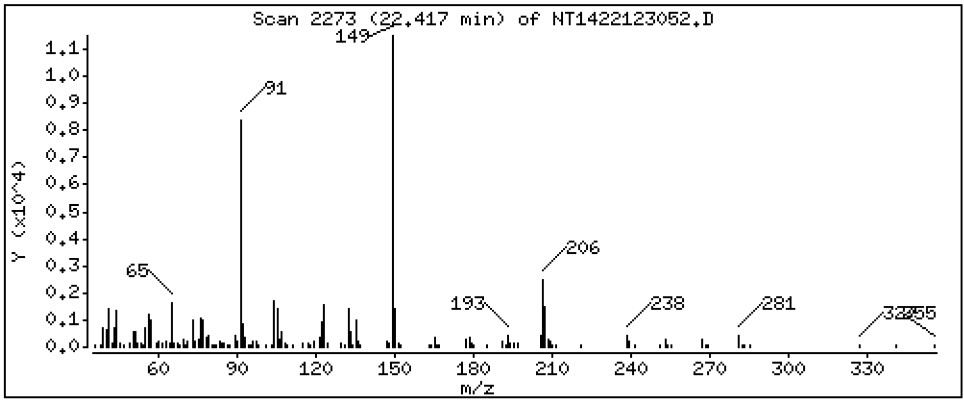
Operator: VTS

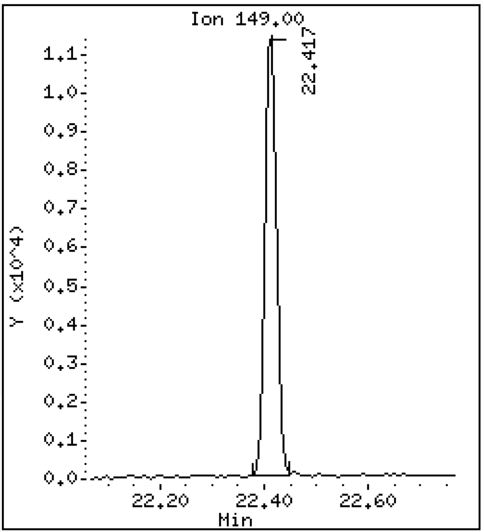
Column phase: ZB-5msi

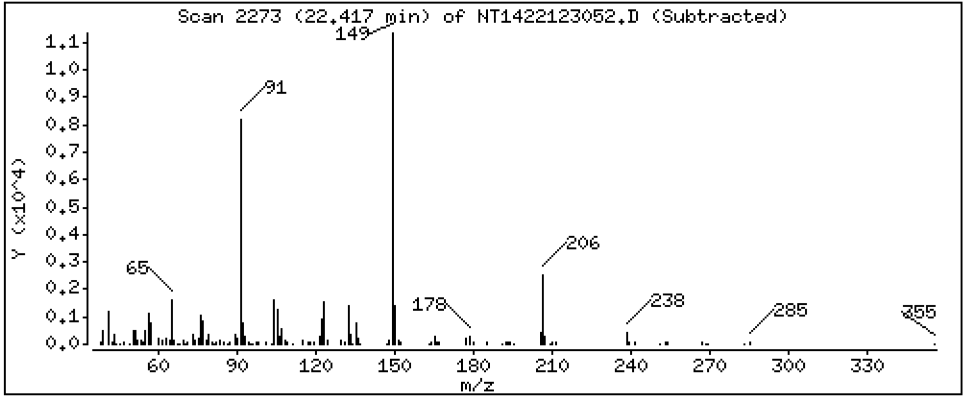
Column diameter: 0.25

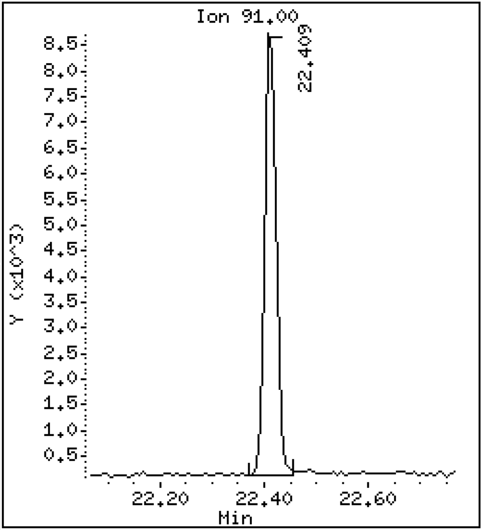
67 Butylbenzylphthalate

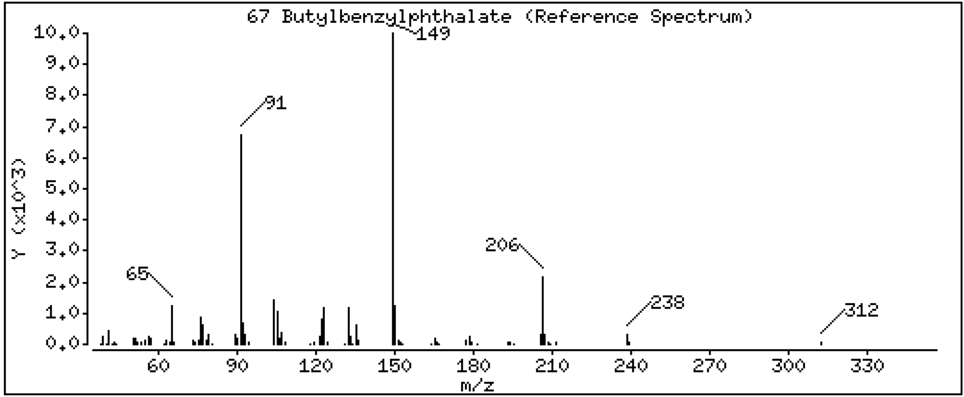
Concentration: 0.4436 ug/mL

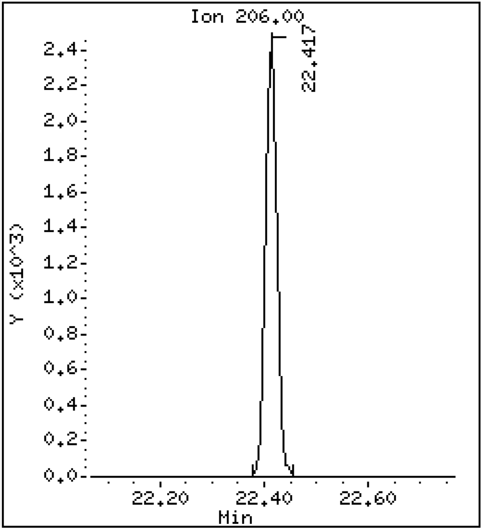


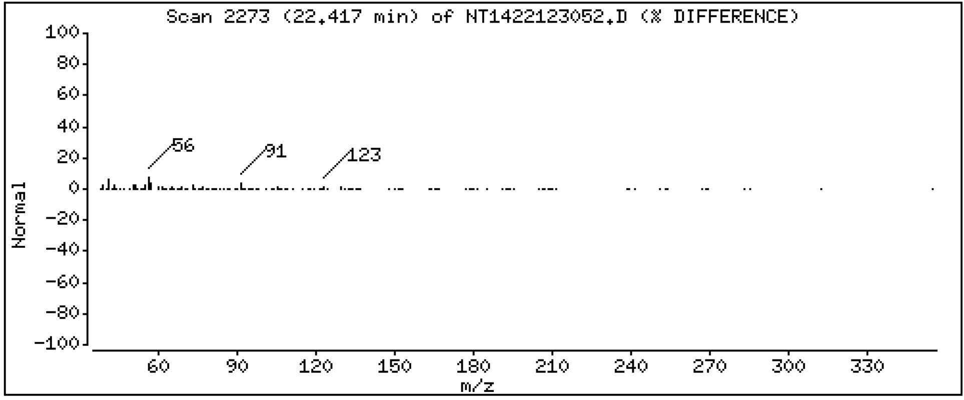












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Date : 31-DEC-2022 15:05

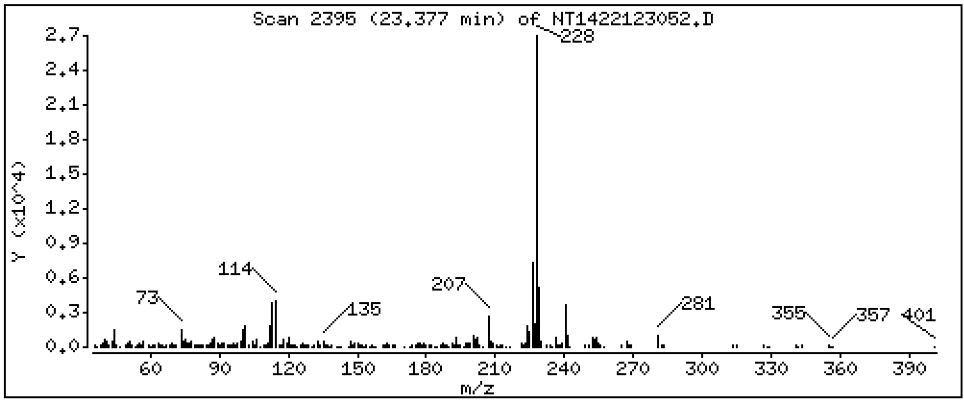
Client ID: Instrument: nt14.i

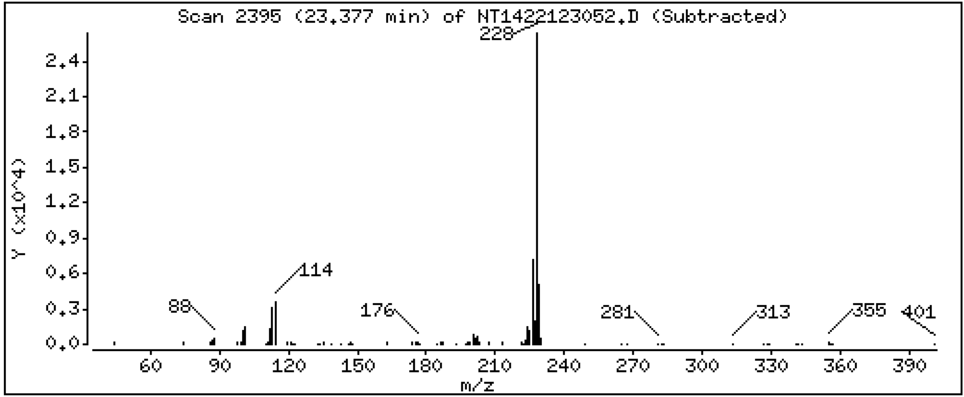
Sample Info: SKL0356-LCV2

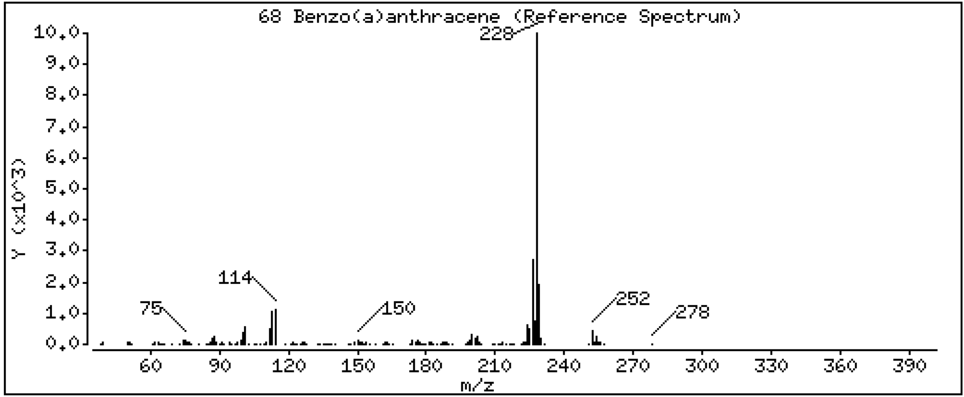
Operator: VTS

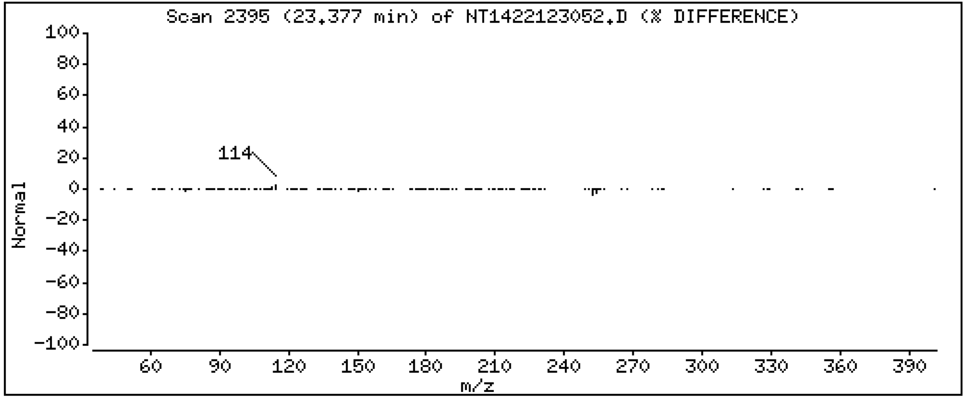
Column phase: ZB-5msi Column diameter: 0.25

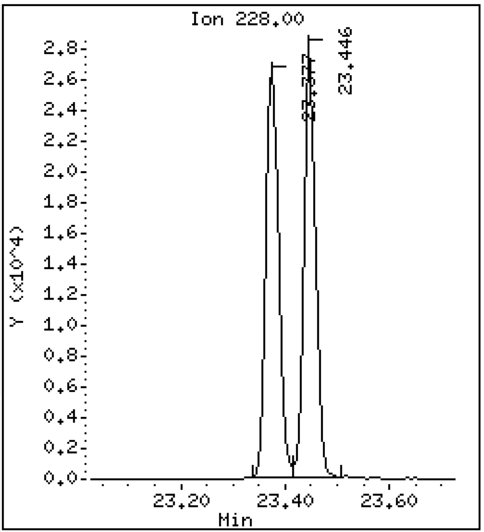
68 Benzo(a)anthracene Concentration: 0.4849 ug/mL

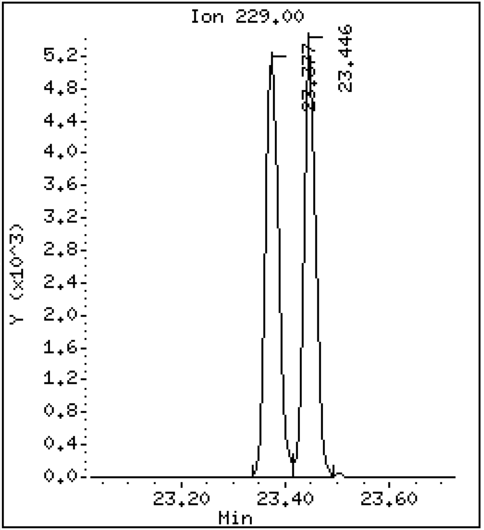


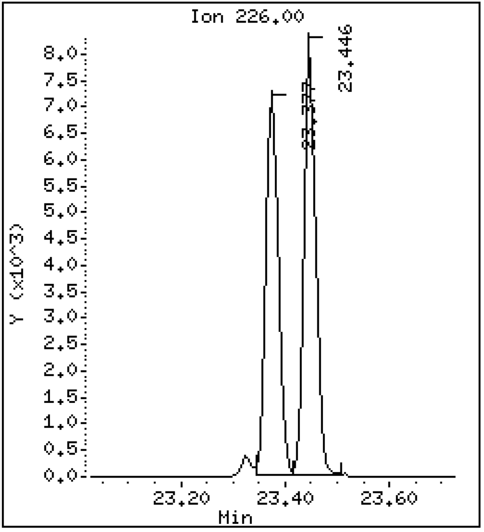












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Date : 31-DEC-2022 15:05

Client ID:

Instrument: nt14.i

Sample Info: SKL0356-LCV2

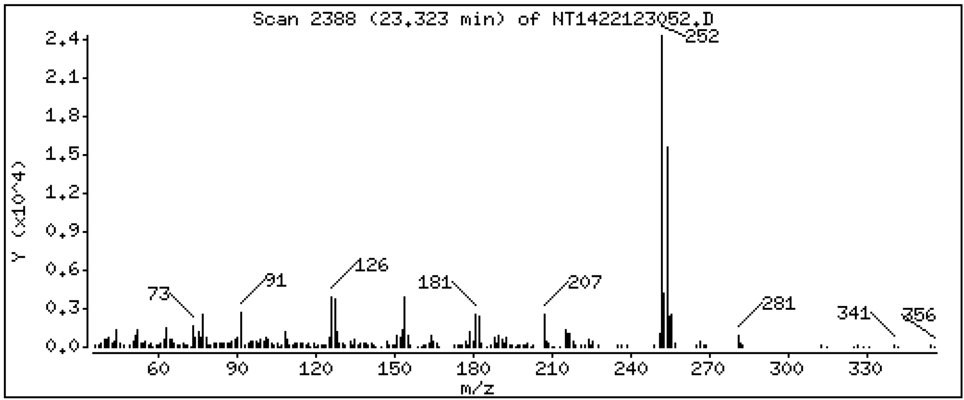
Operator: VTS

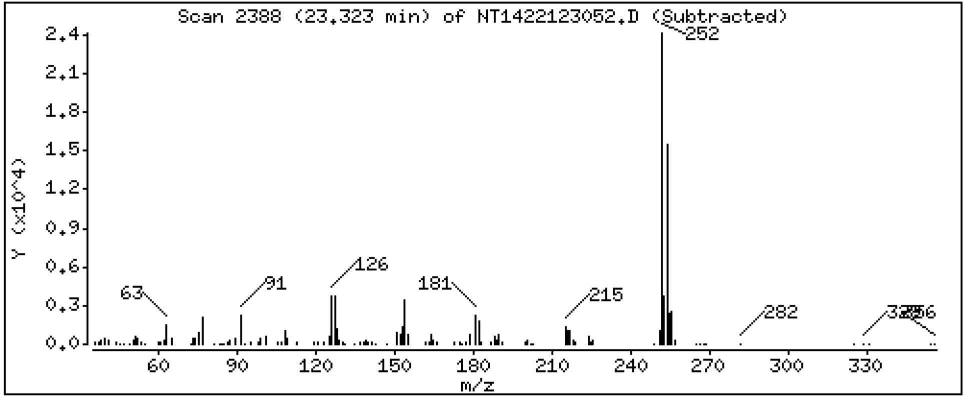
Column phase: ZB-5msi

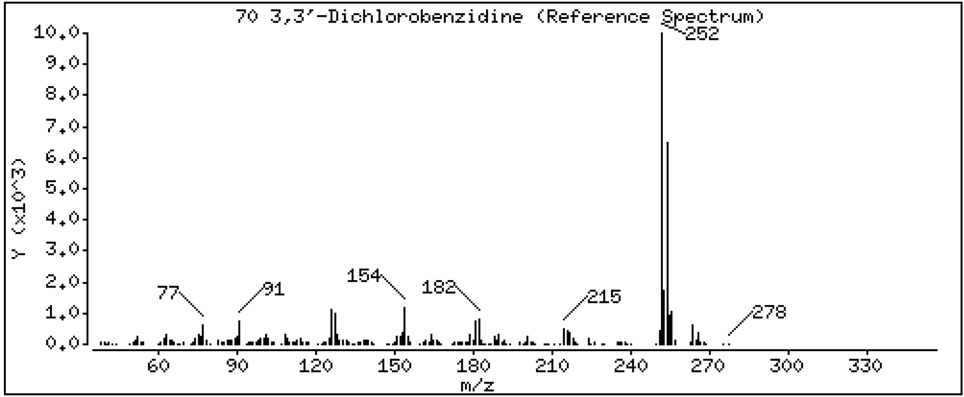
Column diameter: 0.25

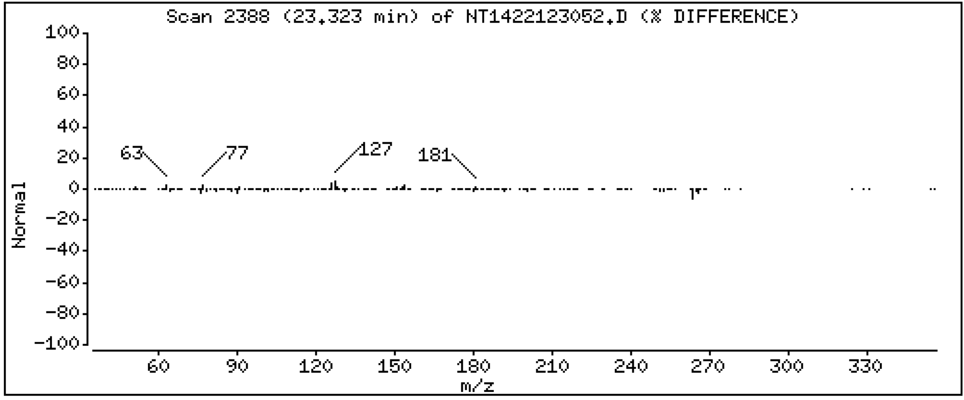
70 3,3'-Dichlorobenzidine

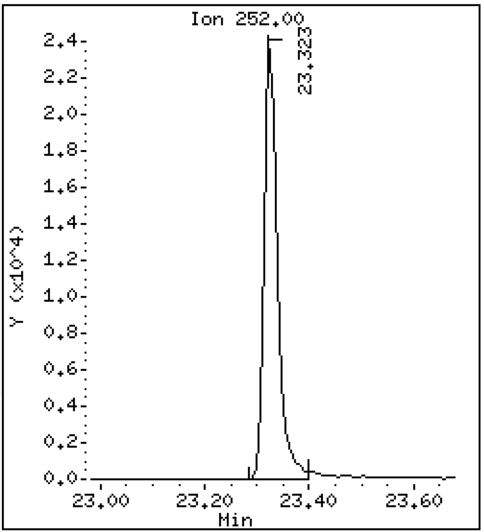
Concentration: 1.479 ug/mL

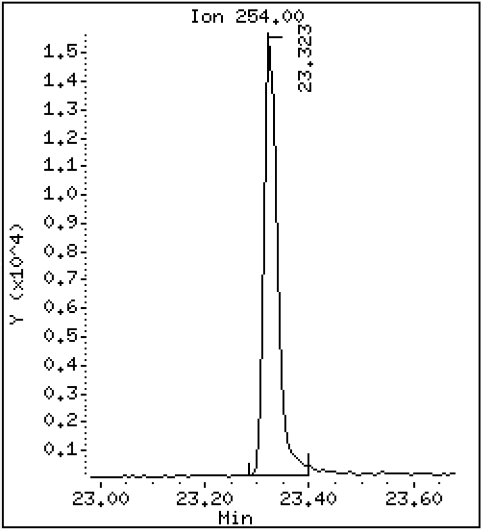


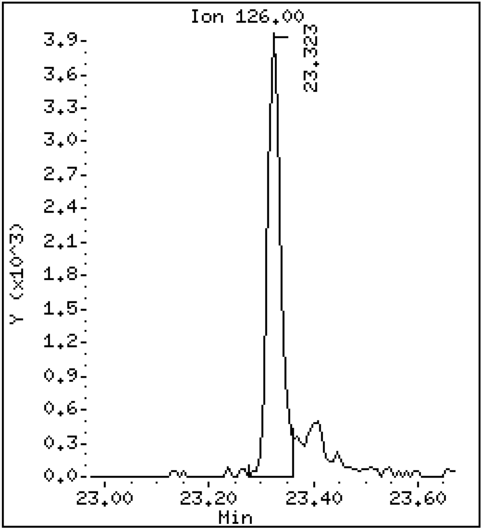












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Date : 31-DEC-2022 15:05

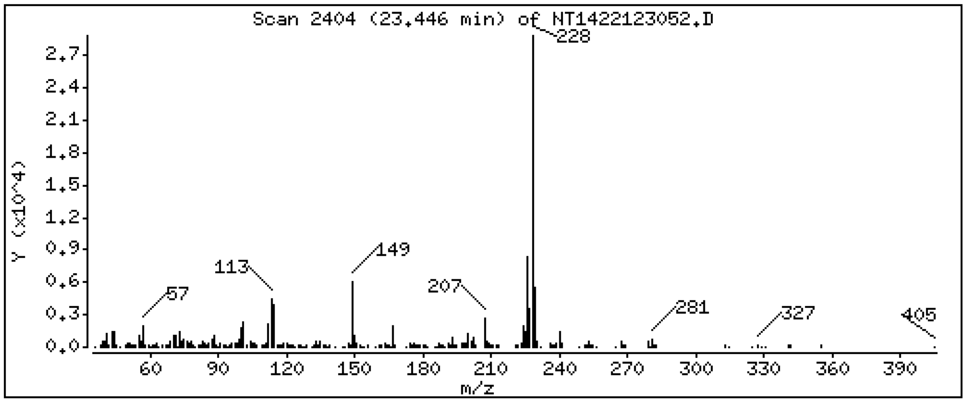
Client ID: Instrument: nt14.i

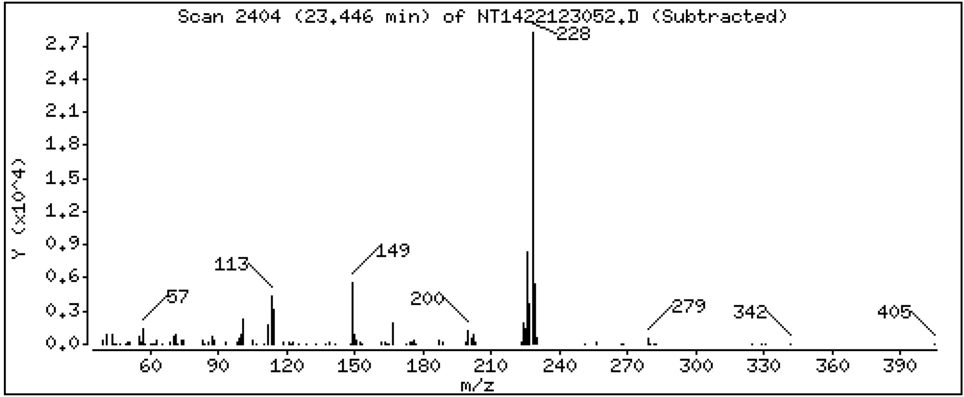
Sample Info: SKL0356-LCV2

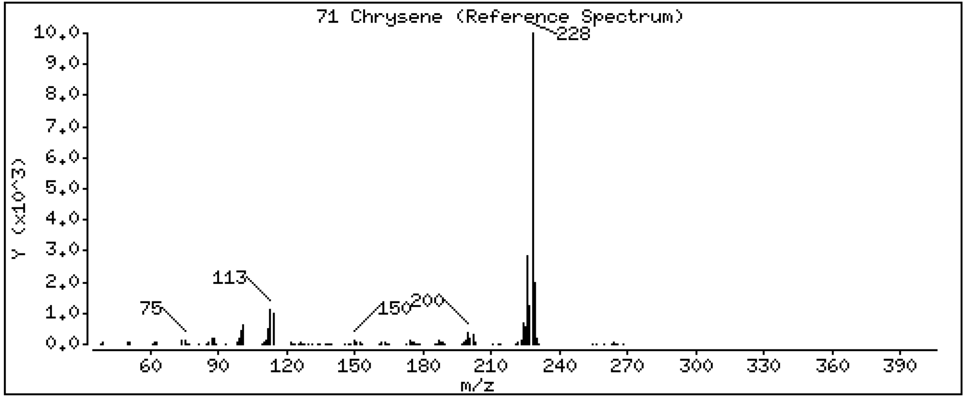
Operator: VTS

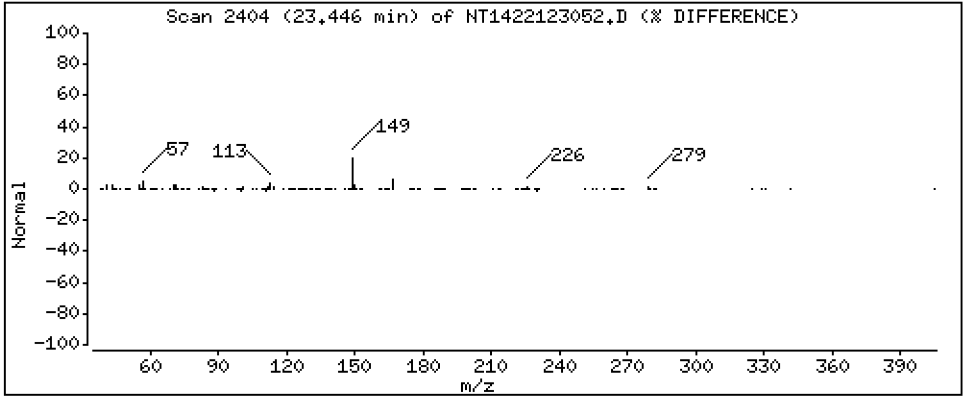
Column phase: ZB-5msi Column diameter: 0.25

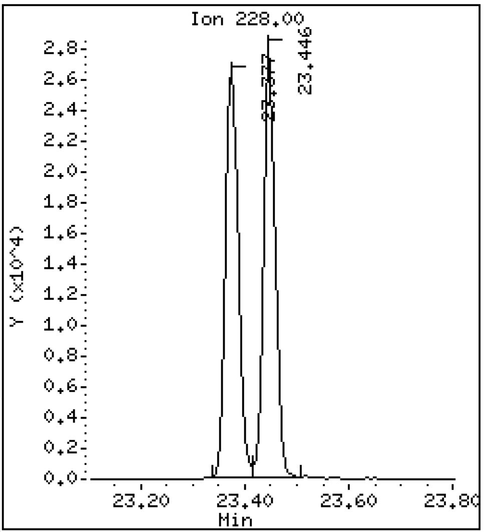
71 Chrysene Concentration: 0.4899 ug/mL

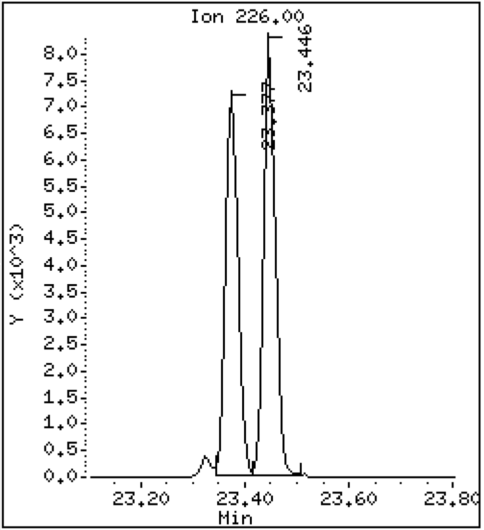


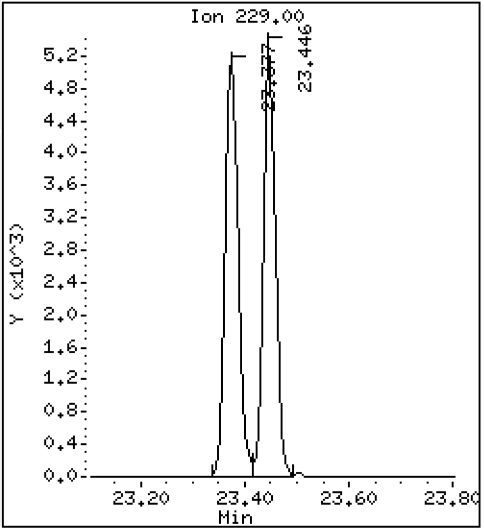












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Date : 31-DEC-2022 15:05

Client ID:

Instrument: nt14.i

Sample Info: SKL0356-LCV2

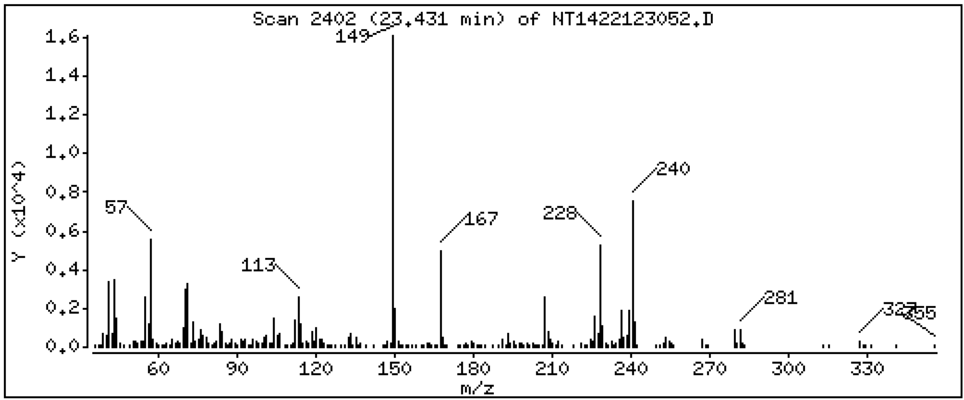
Operator: VTS

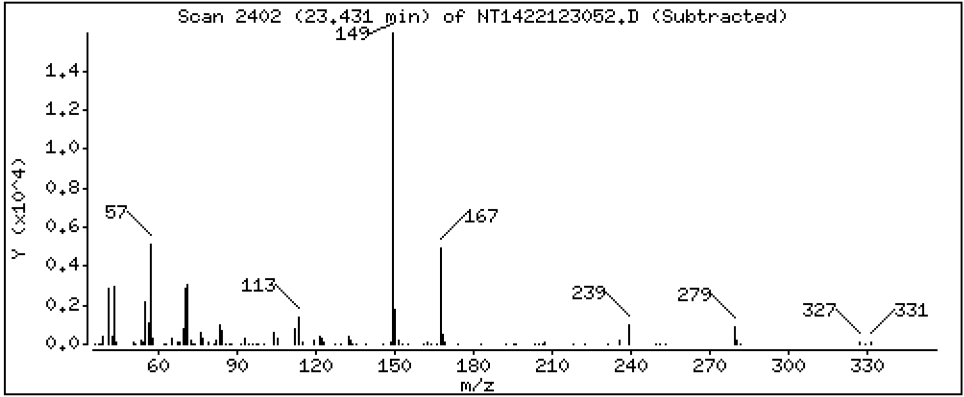
Column phase: ZB-5msi

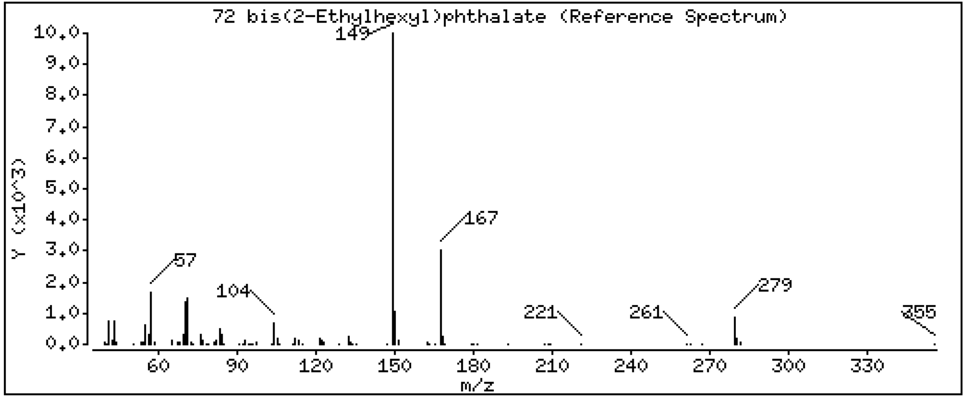
Column diameter: 0.25

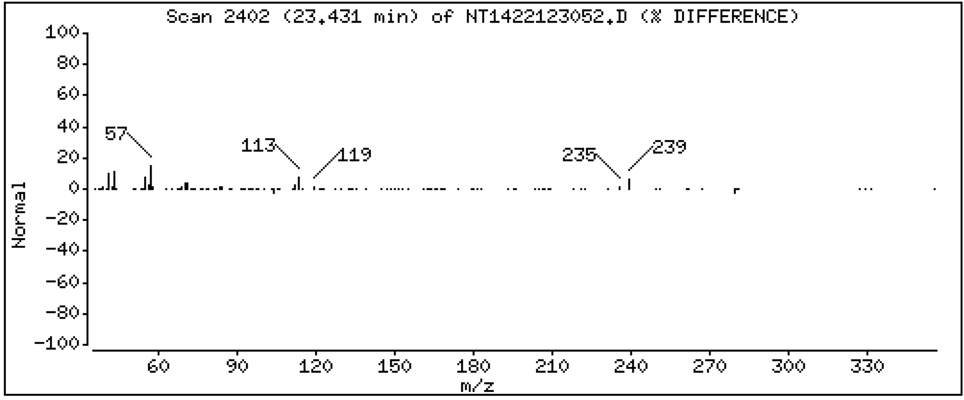
72 bis(2-Ethylhexyl)phthalate

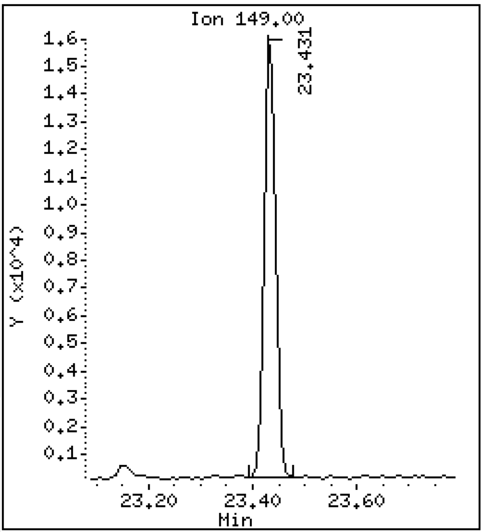
Concentration: 0.4704 ug/mL

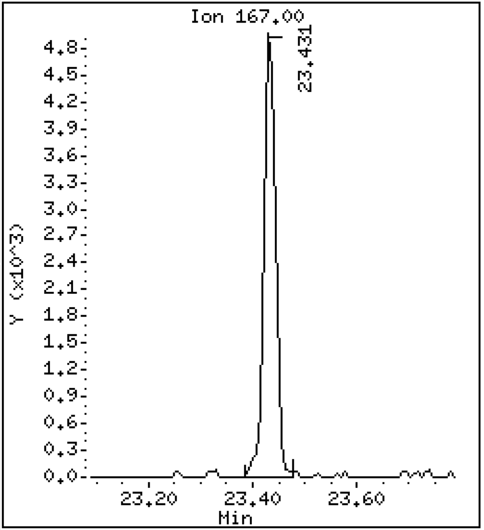


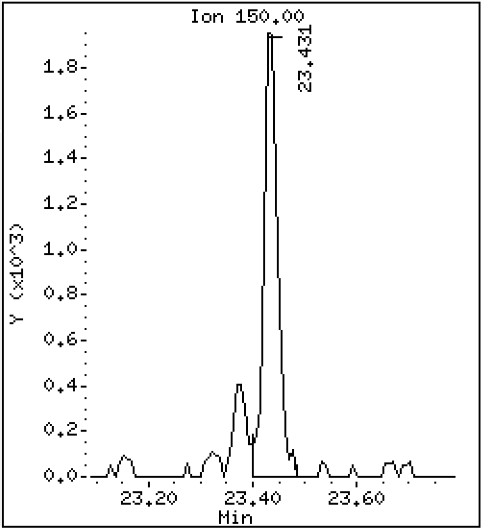












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Date : 31-DEC-2022 15:05

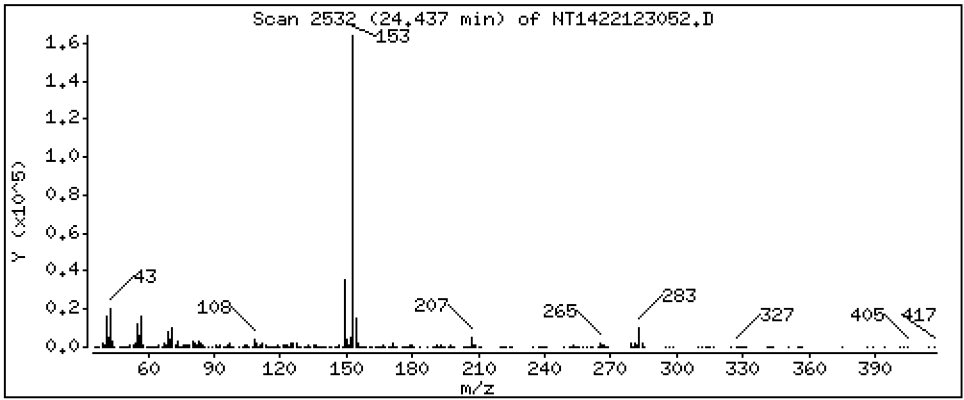
Client ID: Instrument: nt14.i

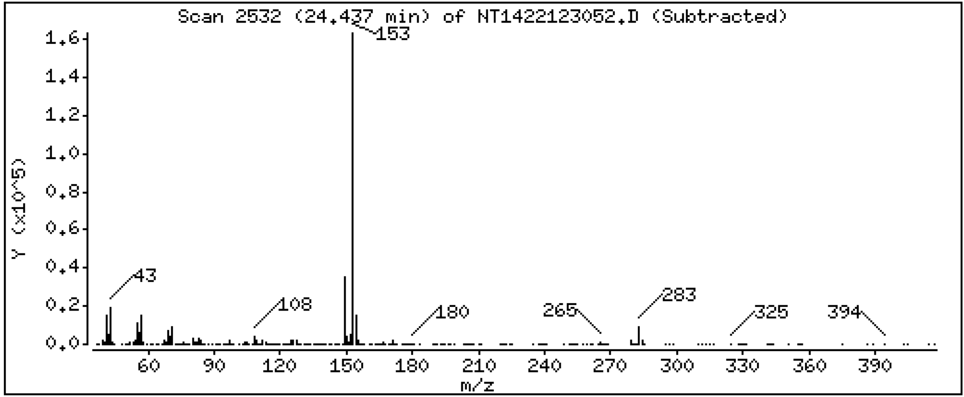
Sample Info: SKL0356-LCV2

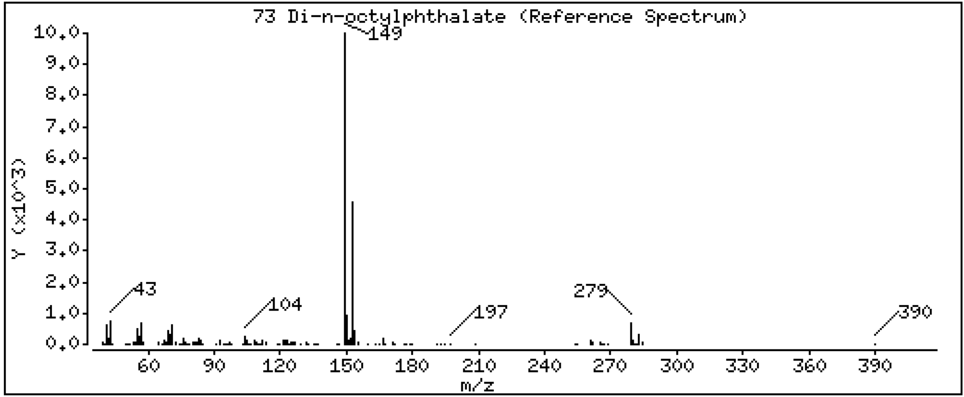
Operator: VTS

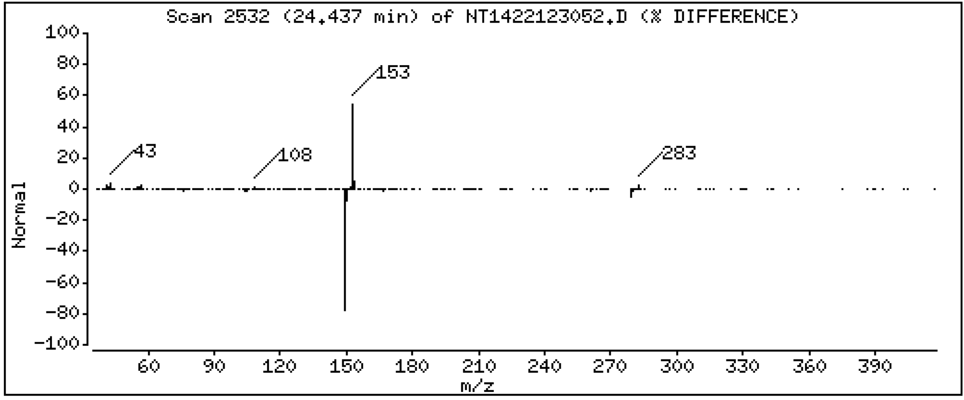
Column phase: ZB-5msi Column diameter: 0.25

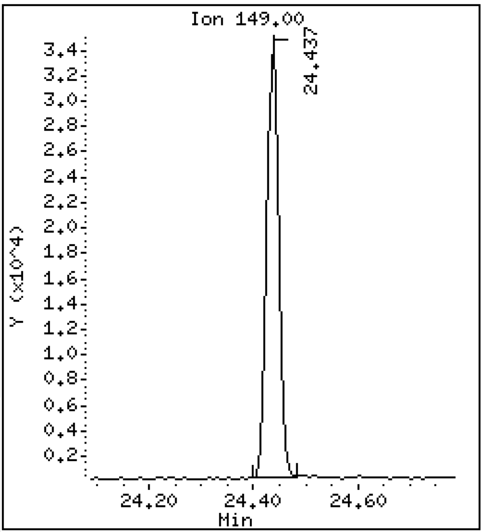
73 Di-n-octylphthalate Concentration: 0.4879 ug/mL

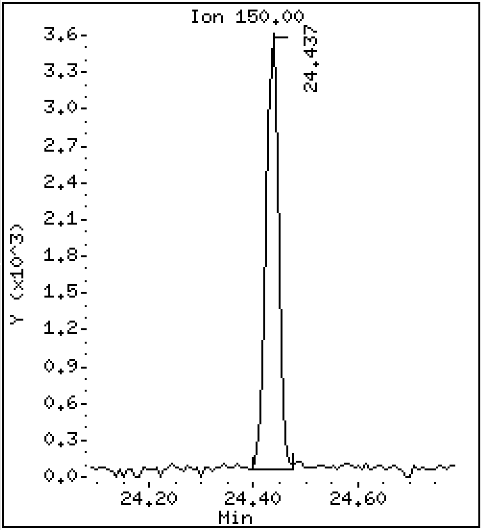

Scan 2532 (24.437 min) of NT1422123052.D


Scan 2532 (24.437 min) of NT1422123052.D (Subtracted)


73 Di-n-octylphthalate (Reference Spectrum)


Scan 2532 (24.437 min) of NT1422123052.D (% DIFFERENCE)


Ion 149.00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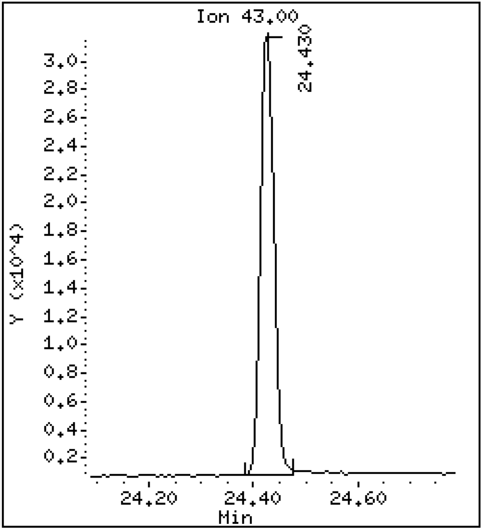
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Date : 31-DEC-2022 15:05

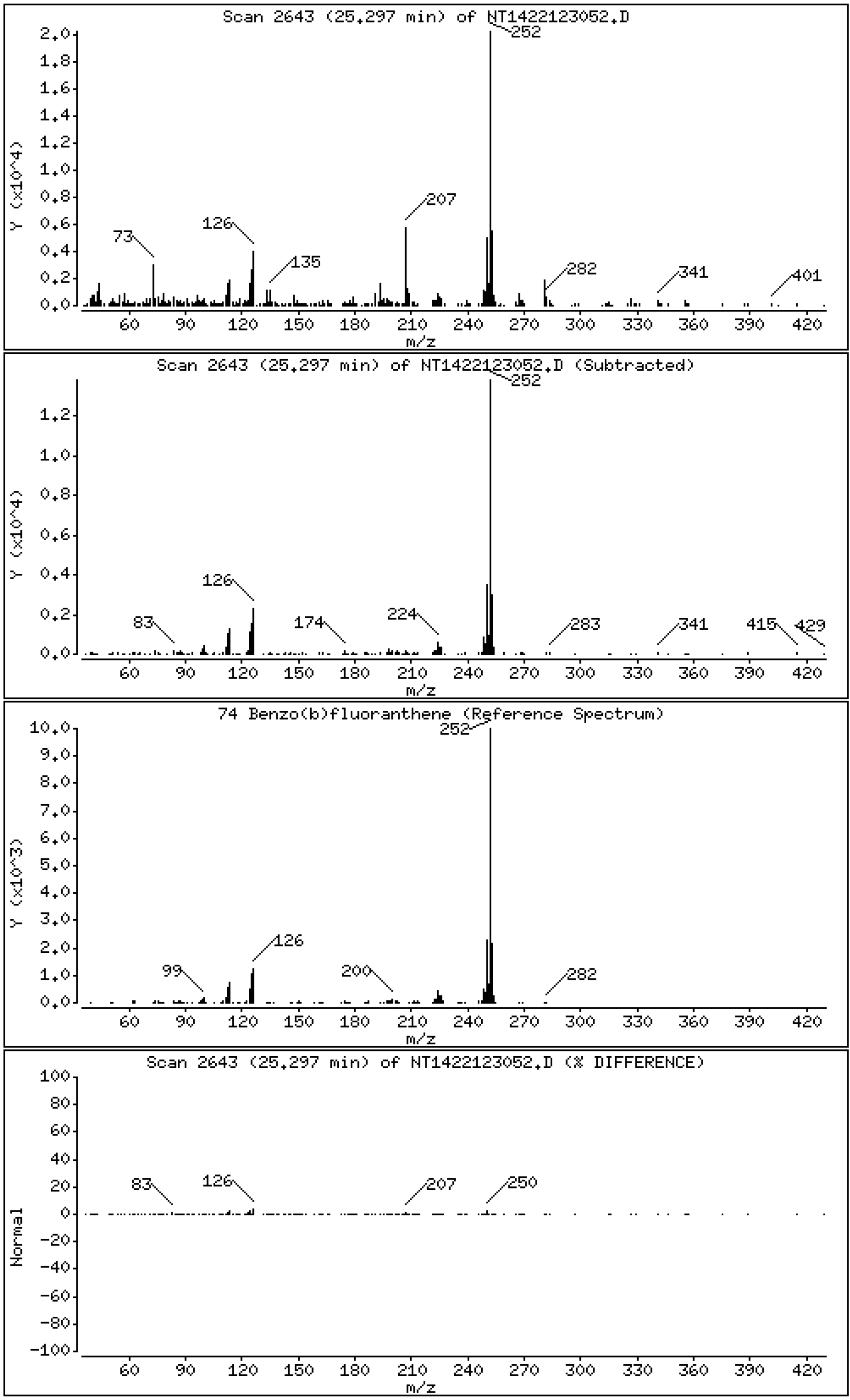
Client ID: Instrument: nt14.i

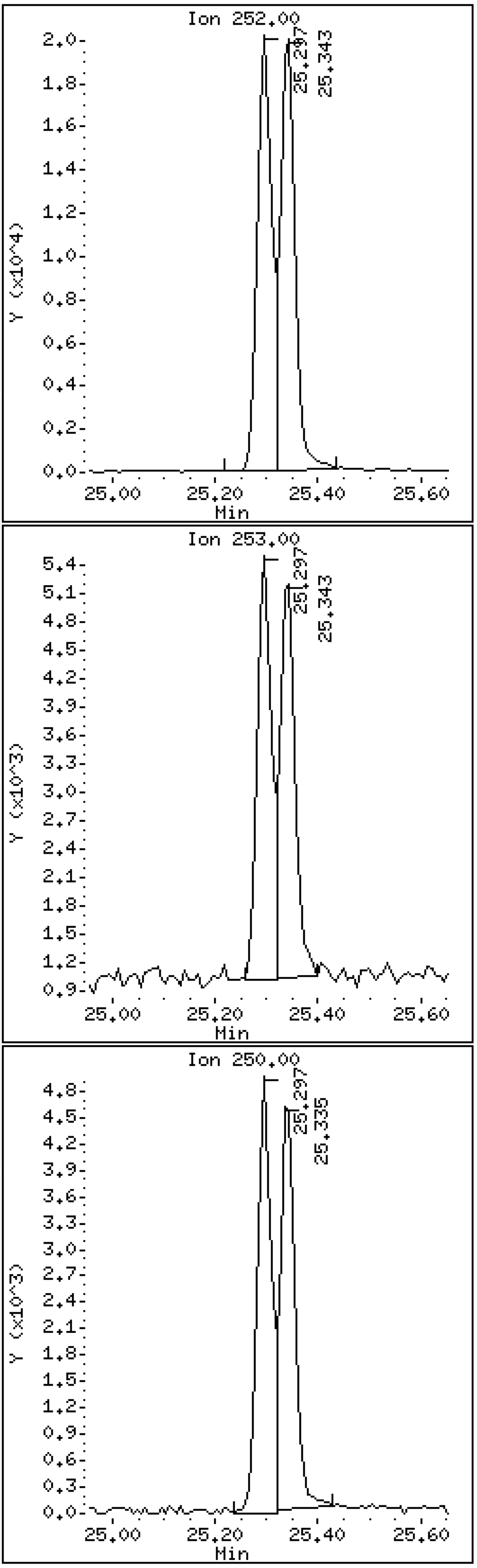
Sample Info: SKL0356-LCV2

Operator: VTS

Column phase: ZB-5msi Column diameter: 0.25

74 Benzo(b)fluoranthene Concentration: 0.5079 ug/mL





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Date : 31-DEC-2022 15:05

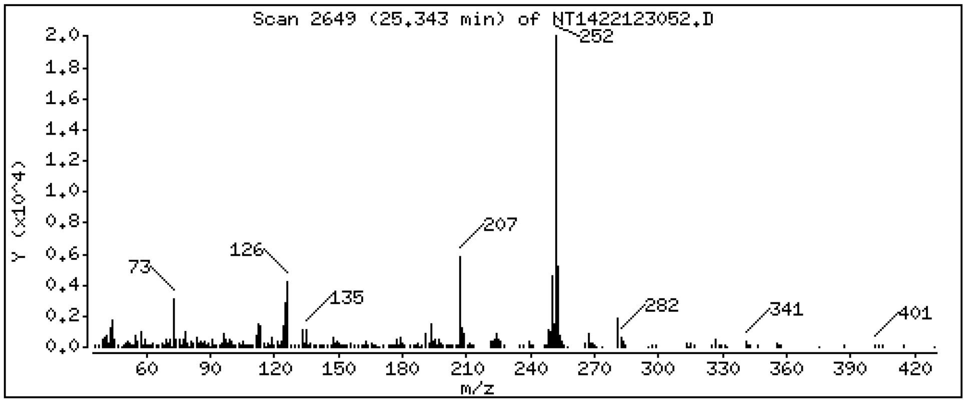
Client ID: Instrument: nt14.i

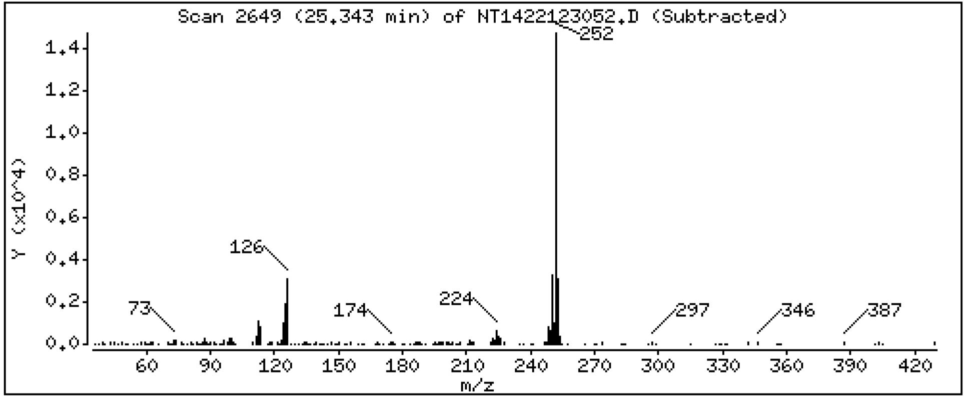
Sample Info: SKL0356-LCV2

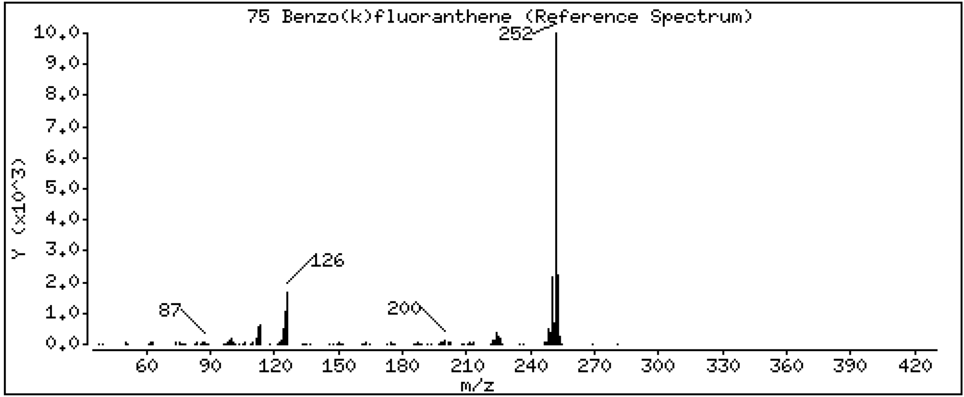
Operator: VTS

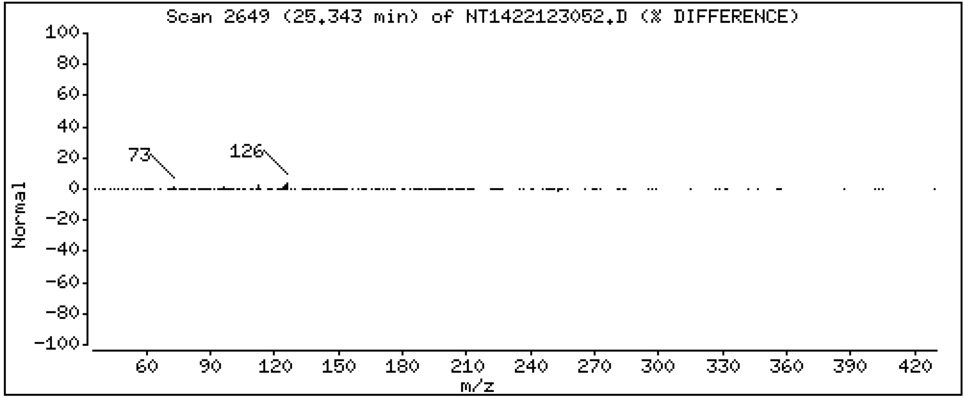
Column phase: ZB-5msi Column diameter: 0.25

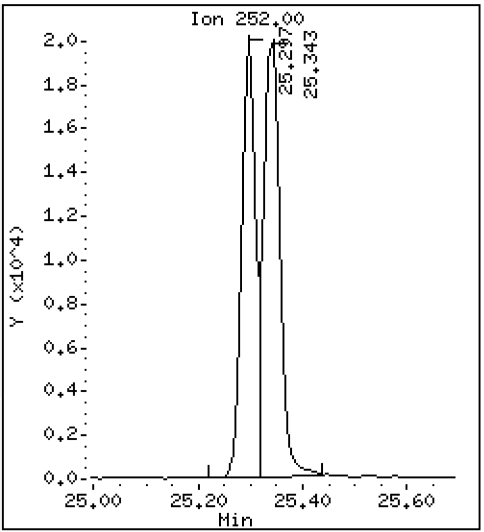
75 Benzo(k)fluoranthene Concentration: 0.5155 ug/mL

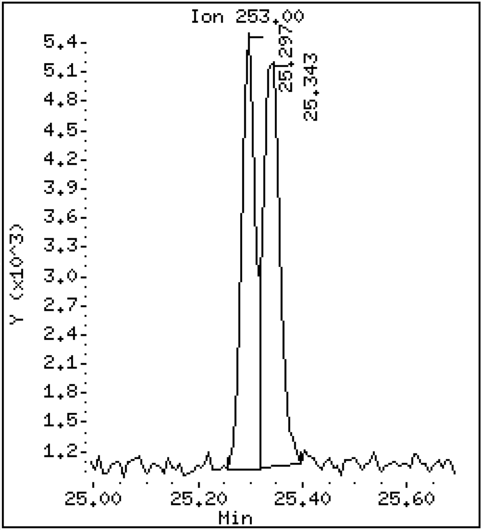


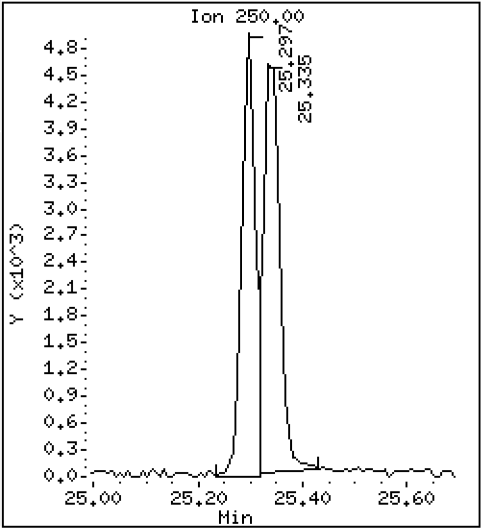












Date : 31-DEC-2022 15:05

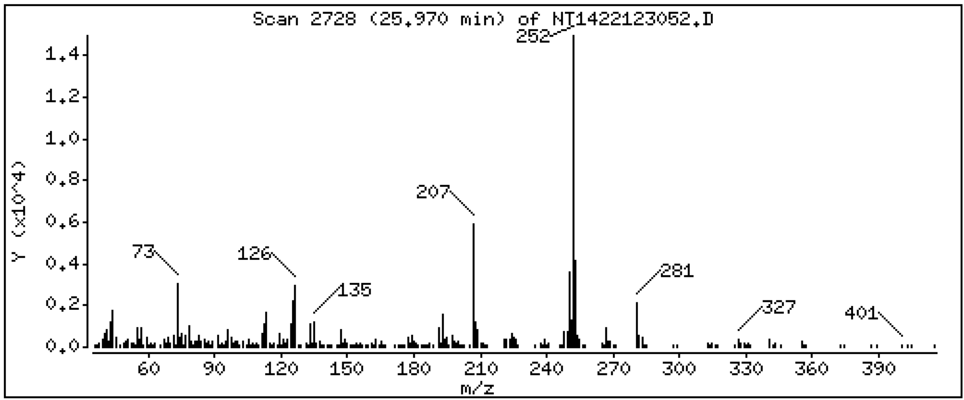
Client ID: Instrument: nt14.i

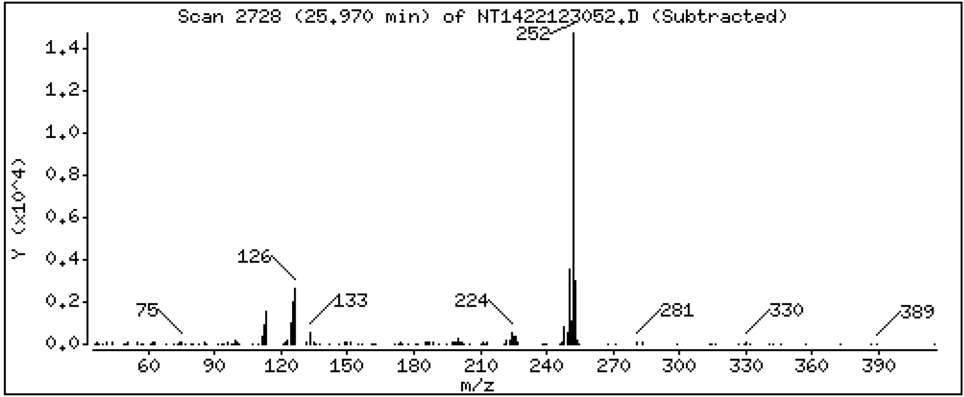
Sample Info: SKL0356-LCV2

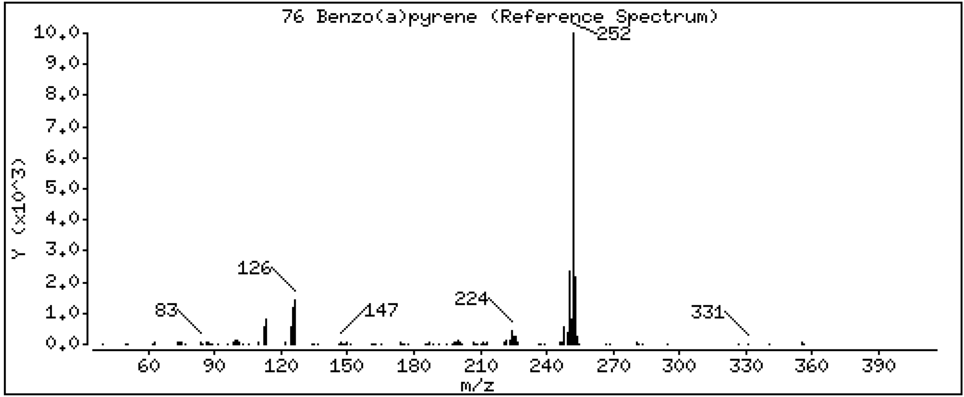
Operator: VTS

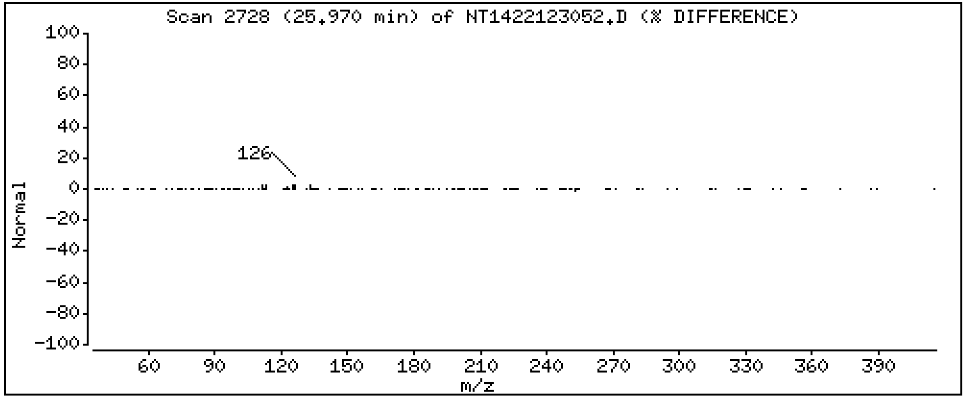
Column phase: ZB-5msi Column diameter: 0.25

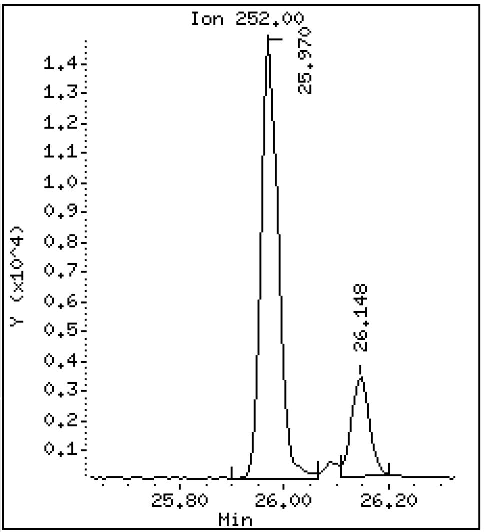
76 Benzo(a)pyrene Concentration: 0.5015 ug/mL


Scan 2728 (25.970 min) of NT1422123052.D


Scan 2728 (25.970 min) of NT1422123052.D (Subtracted)


76 Benzo(a)pyrene (Reference Spectrum)


Scan 2728 (25.970 min) of NT1422123052.D (% DIFFERENCE)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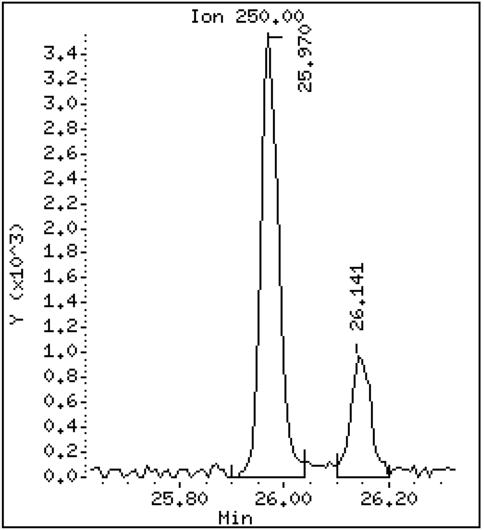
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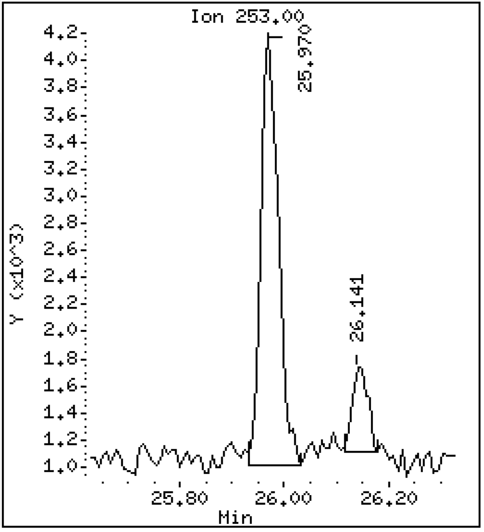

Ion 253.00

Data File: \\target\share\chem3\nt14.i\20221230B.b\NT1422123052.D

Date : 31-DEC-2022 15:05

Client ID:

Instrument: nt14.i

Sample Info: SKL0356-LCV2

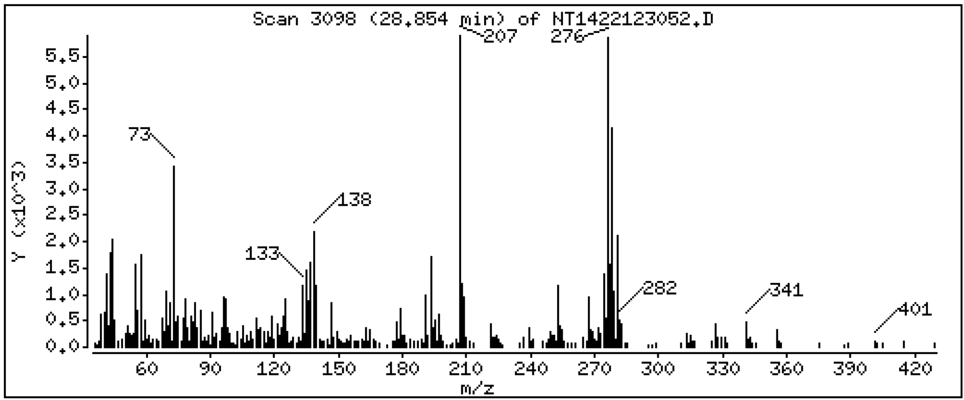
Operator: VTS

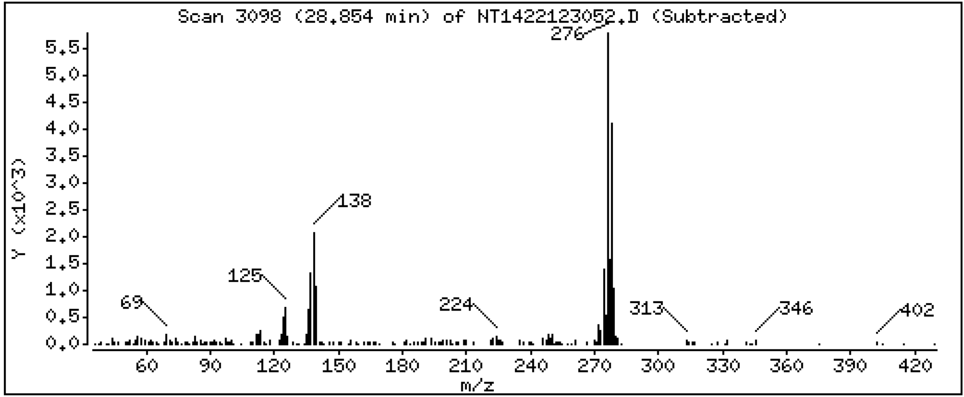
Column phase: ZB-5msi

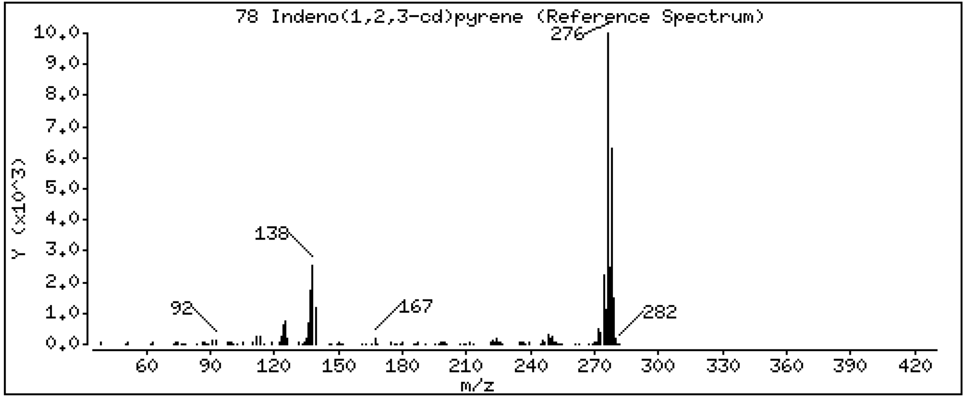
Column diameter: 0.25

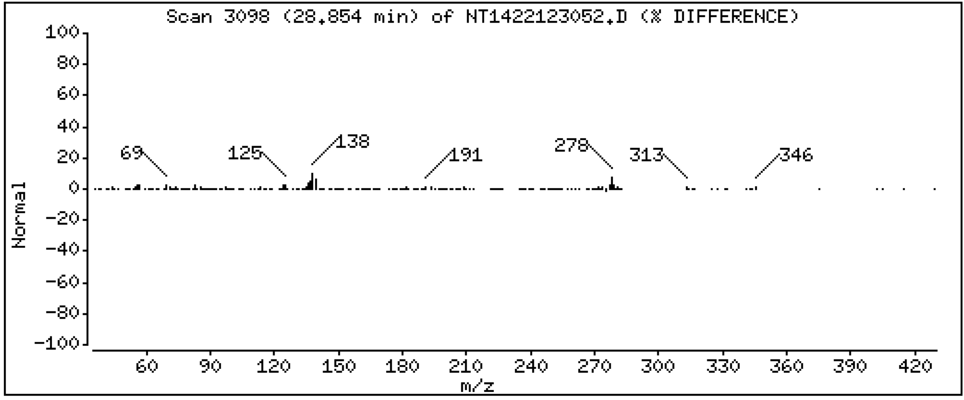
78 Indeno(1,2,3-cd)pyrene

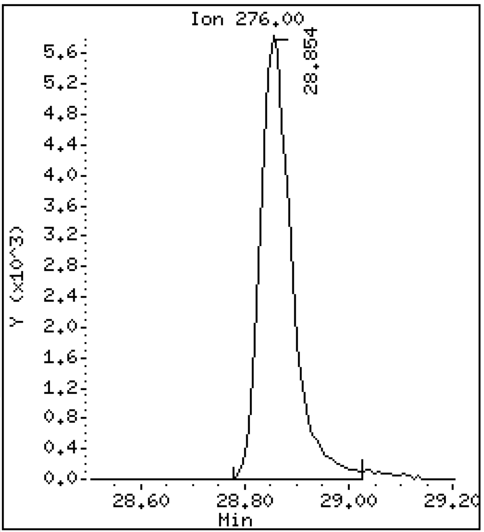
Concentration: 0.3235 ug/mL

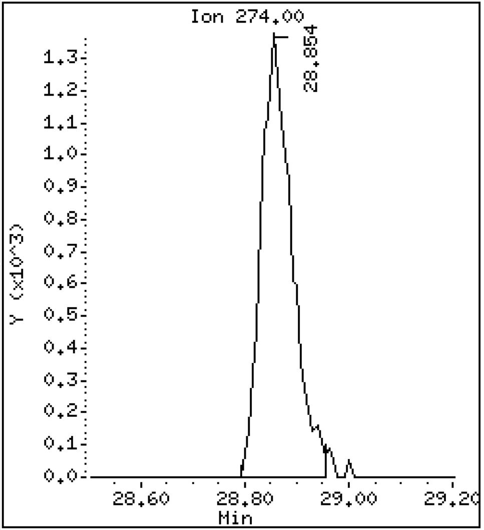


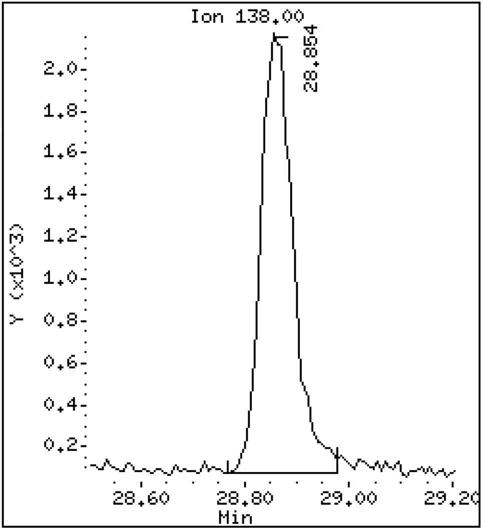












Data File: \\target\share\chem3\nt14.i\20221230B.b\NT1422123052.D

Date : 31-DEC-2022 15:05

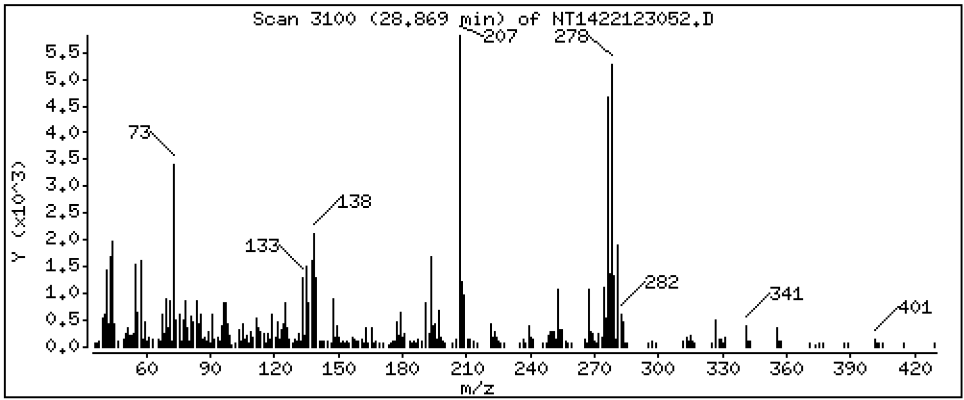
Client ID: Instrument: nt14.i

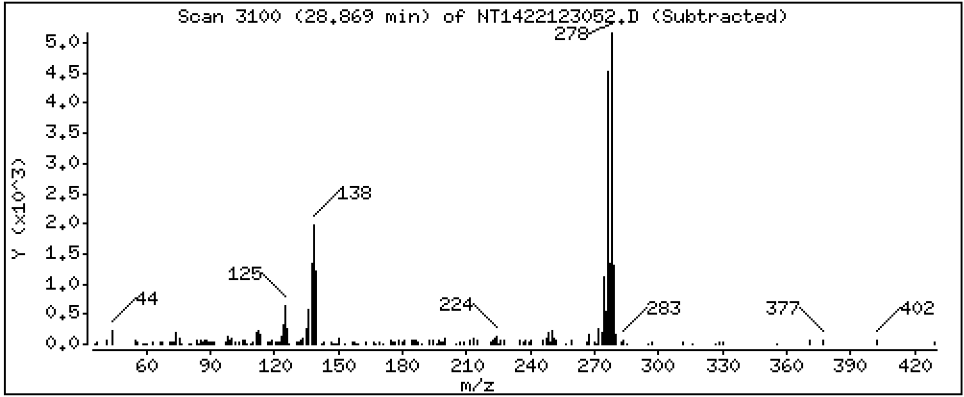
Sample Info: SKL0356-LCV2

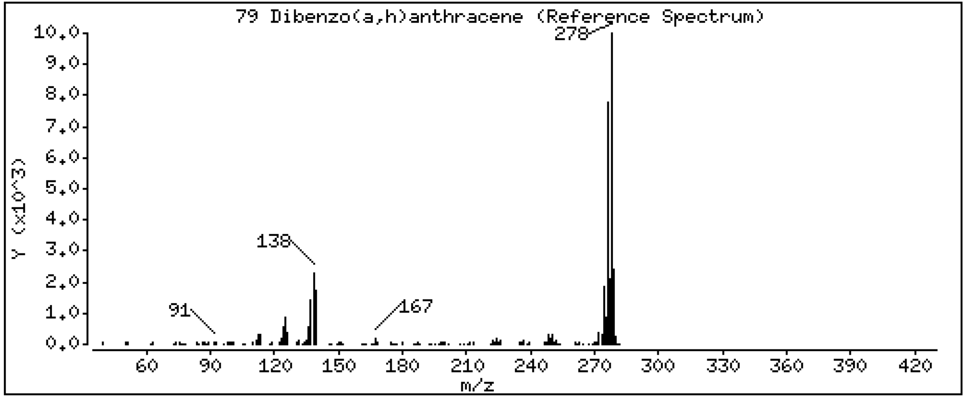
Operator: VTS

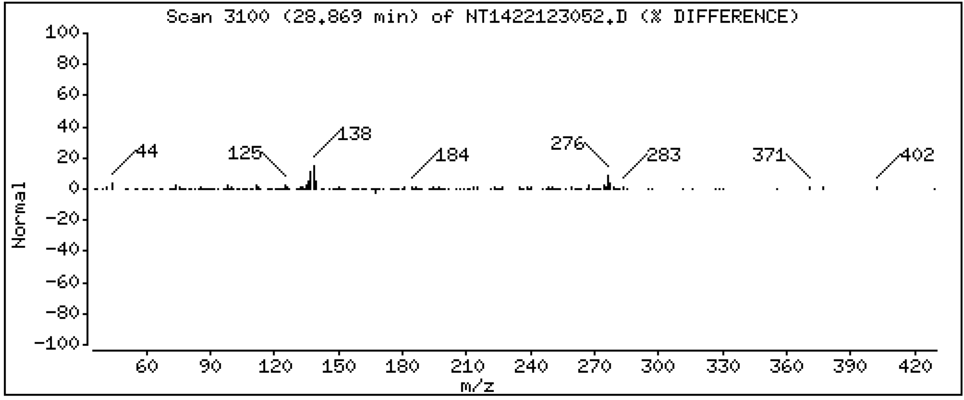
Column phase: ZB-5msi Column diameter: 0.25

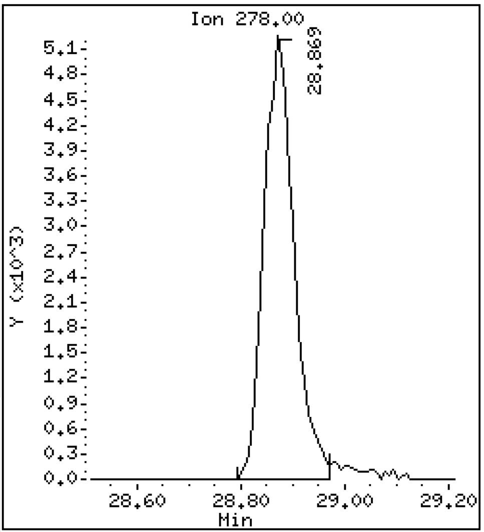
79 Dibenzo(a,h)anthracene Concentration: 0.3297 ug/mL

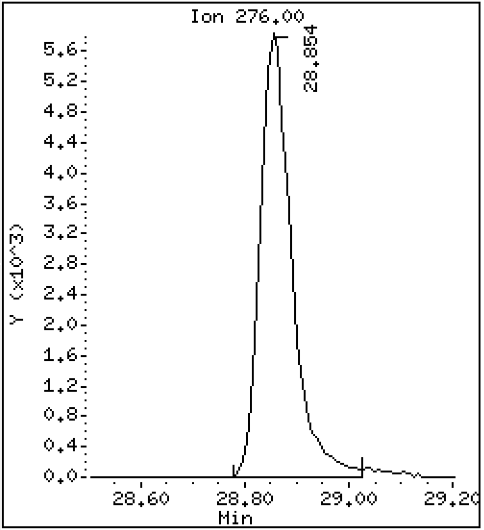

Scan 3100 (28.869 min) of NT1422123052.D


Scan 3100 (28.869 min) of NT1422123052.D (Subtracted)


79 Dibenzo(a,h)anthracene (Reference Spectrum)


Scan 3100 (28.869 min) of NT1422123052.D (% DIFFERENCE)


Ion 278.00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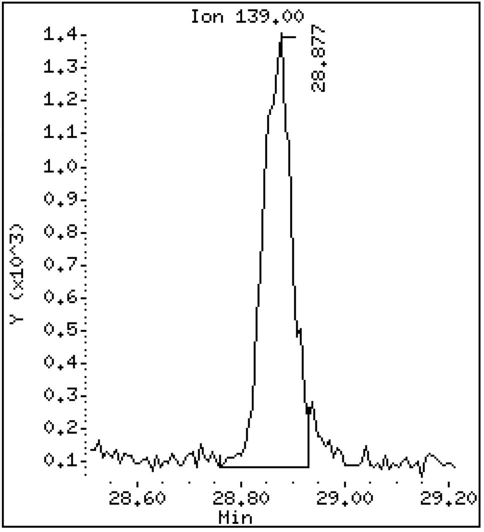

Ion 139.00

Data File: \\target\share\chem3\nt14.i\20221230B.b\NT1422123052.D

Date : 31-DEC-2022 15:05

Client ID: Instrument: nt14.i

Sample Info: SKL0356-LCV2

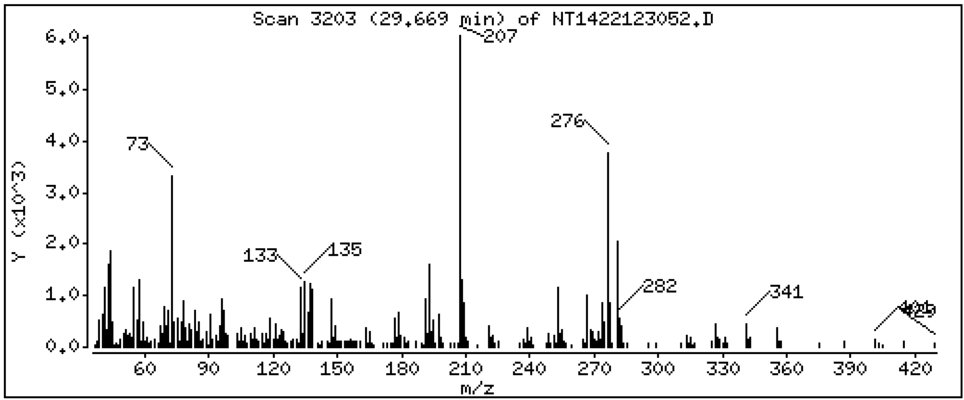
Operator: VTS

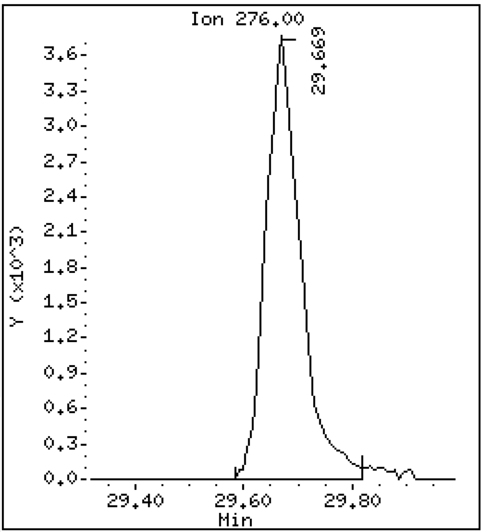
Column phase: ZB-5msi

Column diameter: 0.25

80 Benzo(g,h,i)perylene

Concentration: 0.2675 ug/mL


Scan 3203 (29.669 min) of NT1422123052.D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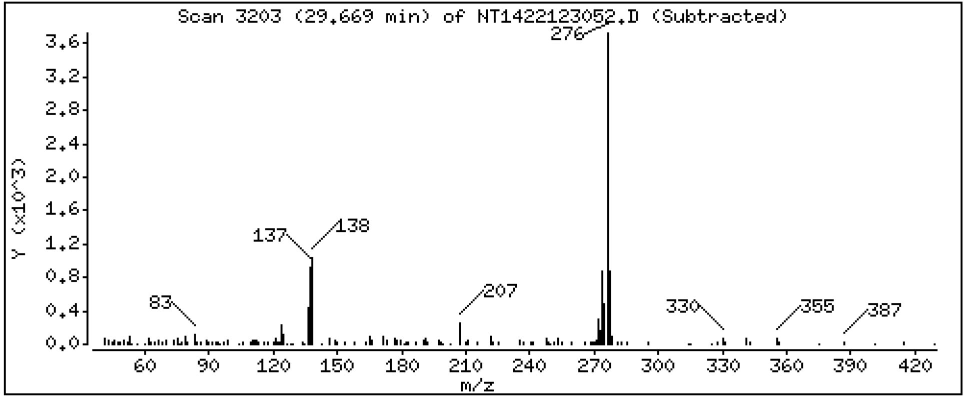
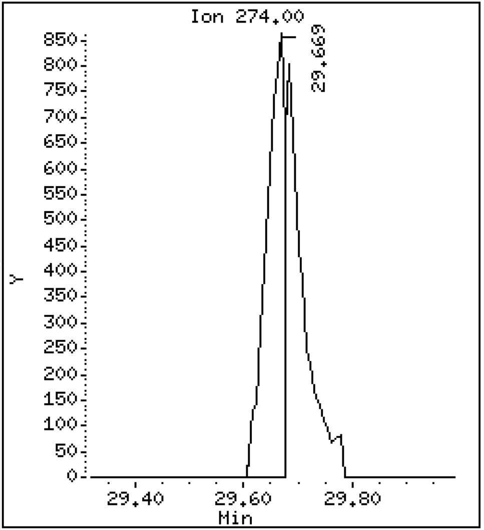
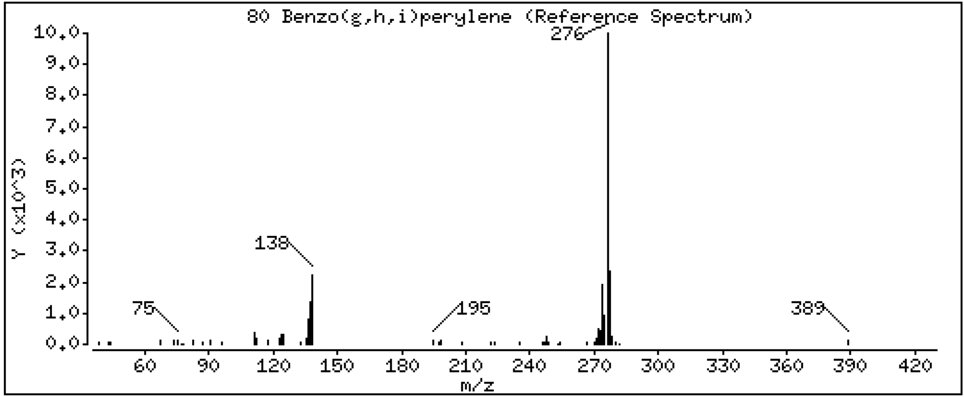
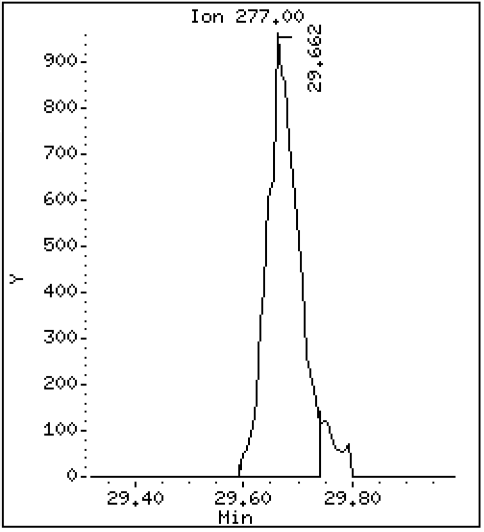
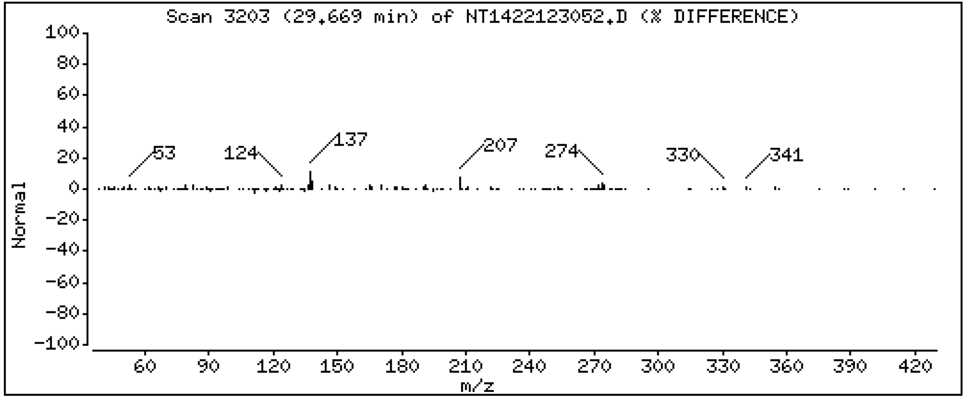

Scan 3203 (29.669 min) of NT1422123052.D (Subtracted)


Ion 274.00


80 Benzo(g,h,i)perylene (Reference Spectrum)


Ion 277.00


Scan 3203 (29.669 min) of NT1422123052.D (% DIFFERENCE)

Data File: \\target\share\chem3\nt14.i\20221230B.b\NT1422123052.D

Date : 31-DEC-2022 15:05

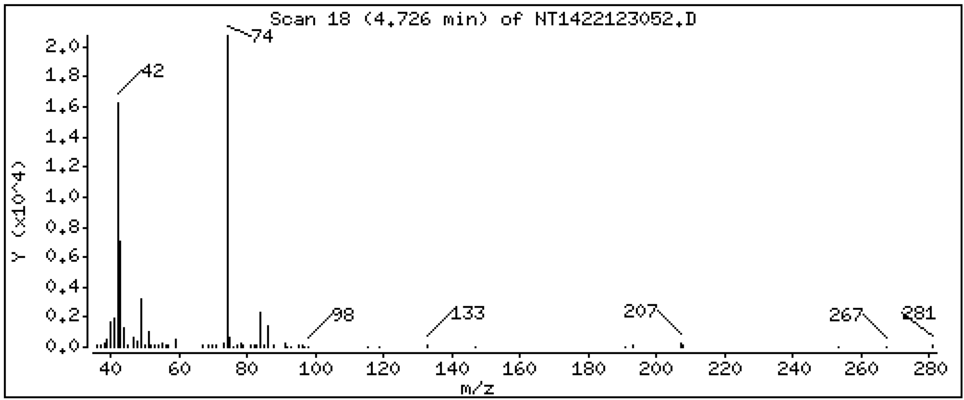
Client ID: Instrument: nt14.i

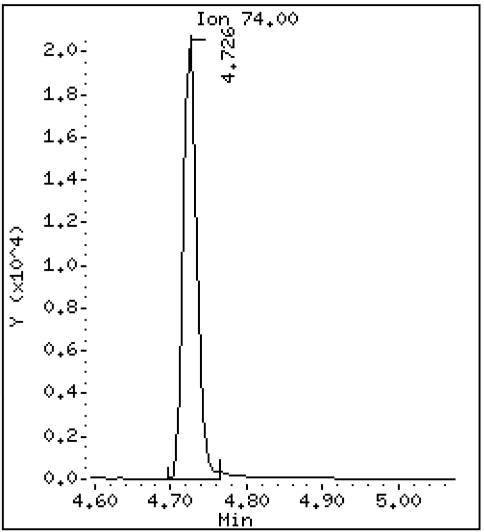
Sample Info: SKL0356-LCV2

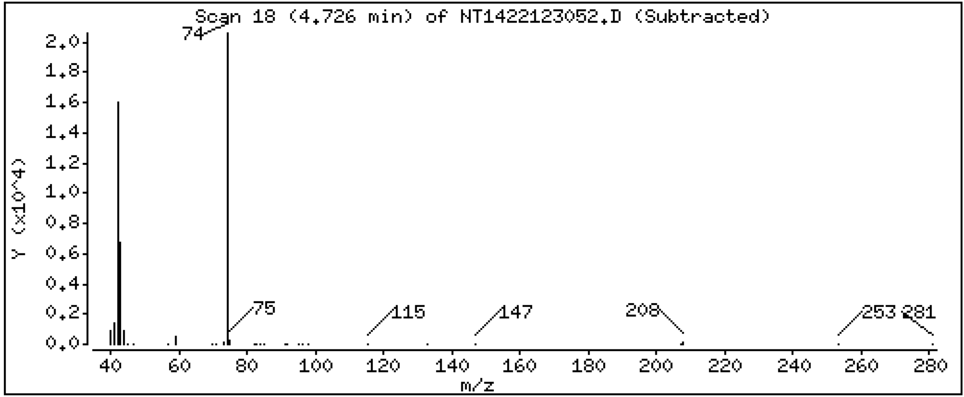
Operator: VTS

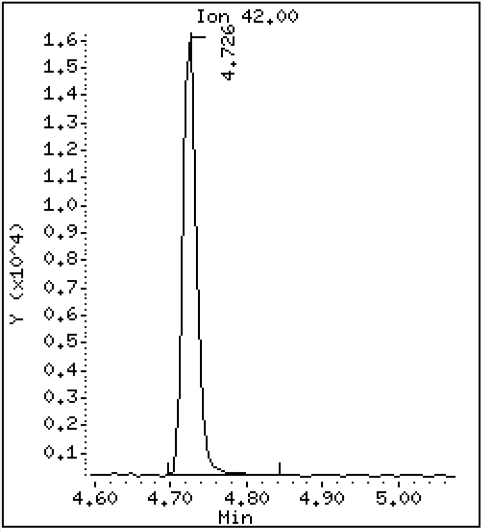
Column phase: ZB-5msi Column diameter: 0.25

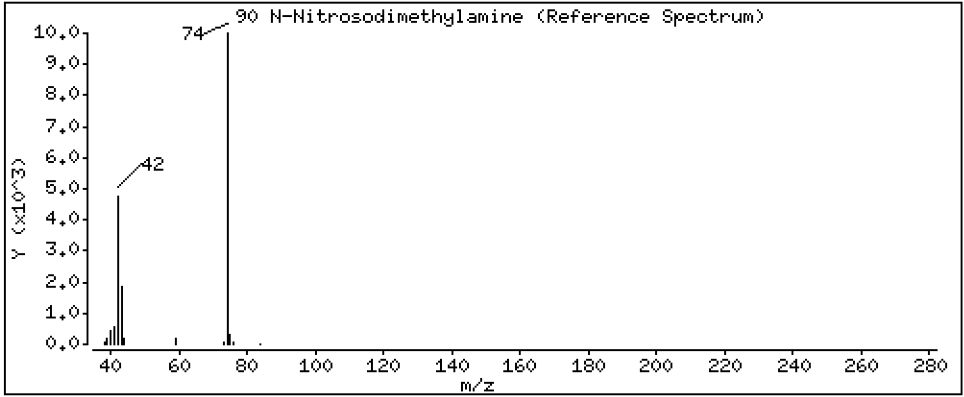
90 N-Nitrosodimethylamine Concentration: 1.002 ug/mL

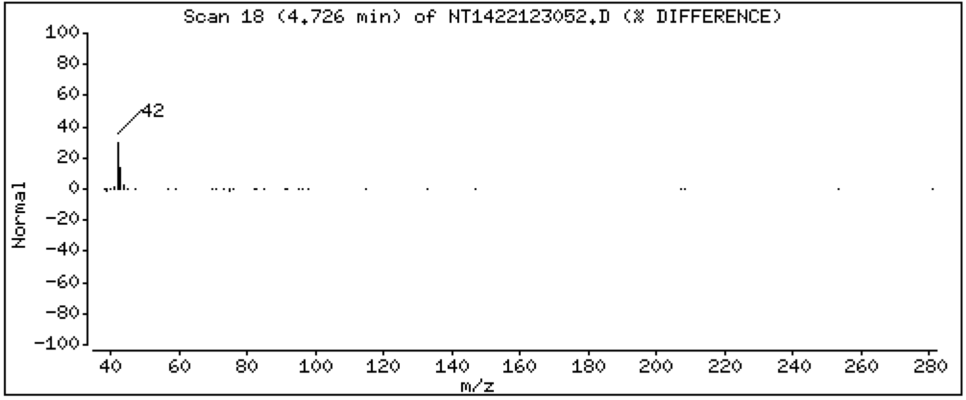












Data File: \\target\share\chem3\nt14.i\20221230B.b\NT1422123052.D

Date : 31-DEC-2022 15:05

Client ID:

Instrument: nt14.i

Sample Info: SKL0356-LCV2

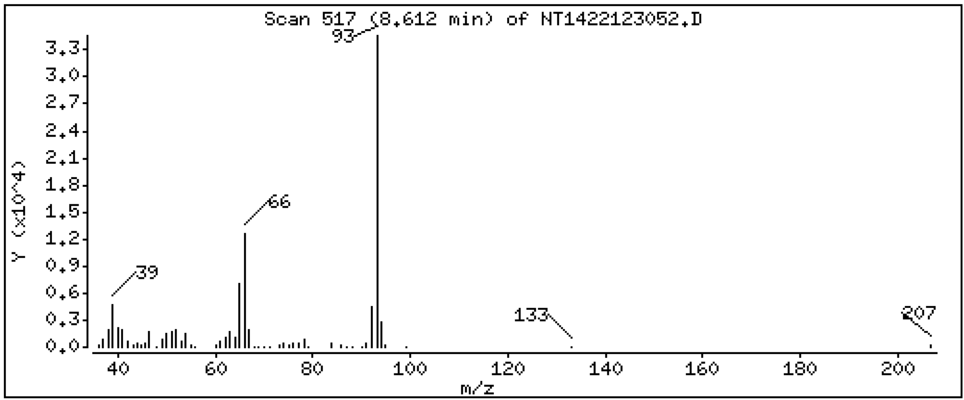
Operator: VTS

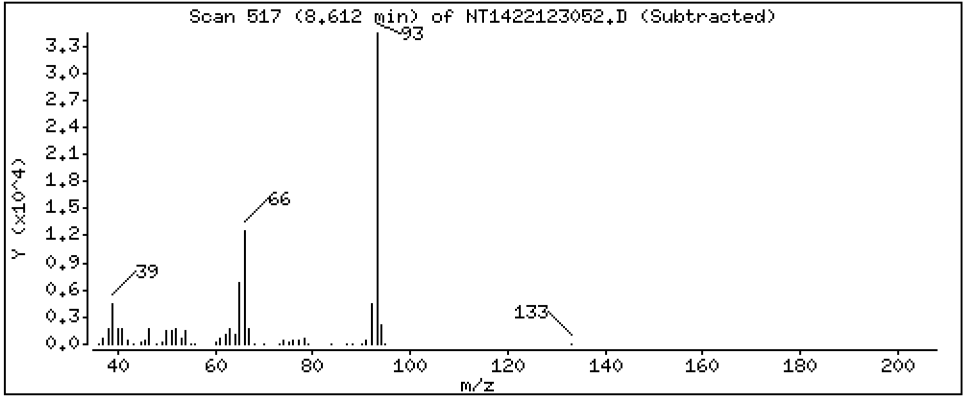
Column phase: ZB-5msi

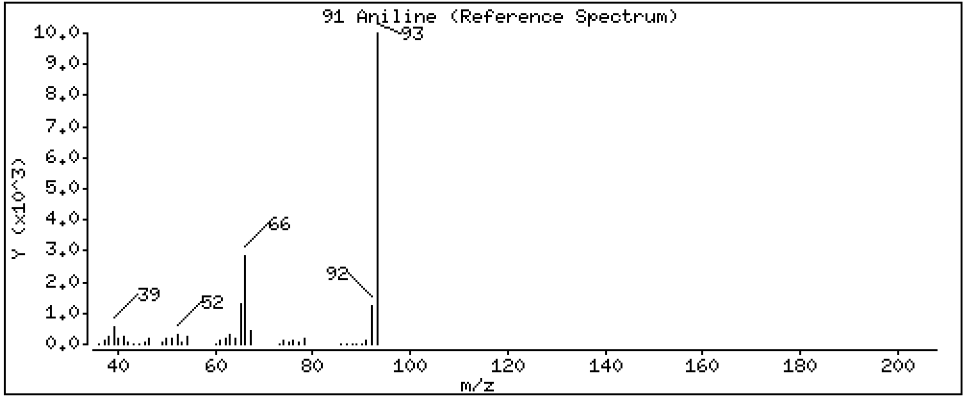
Column diameter: 0.25

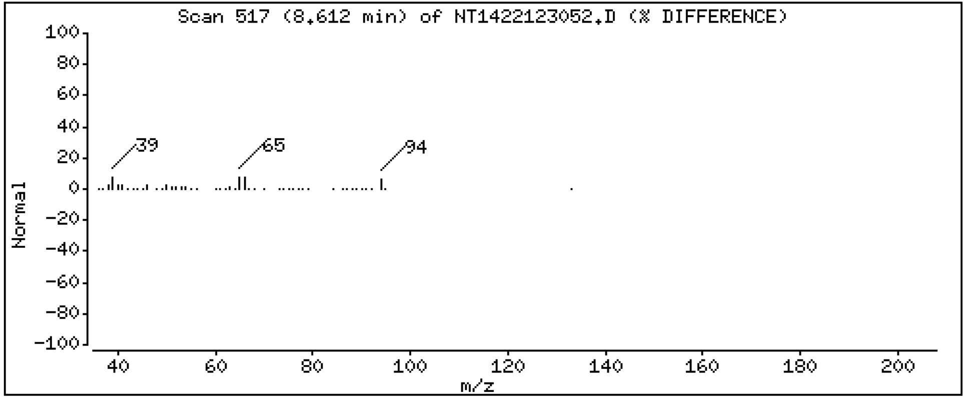
91 Aniline

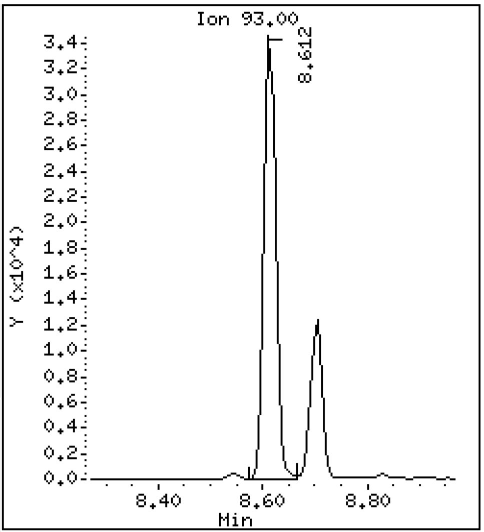
Concentration: 0.9702 ug/mL

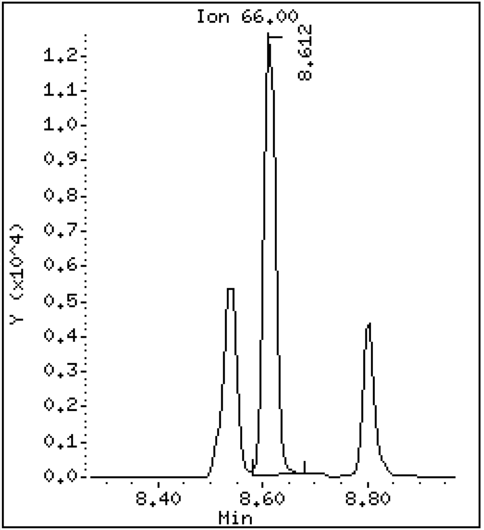


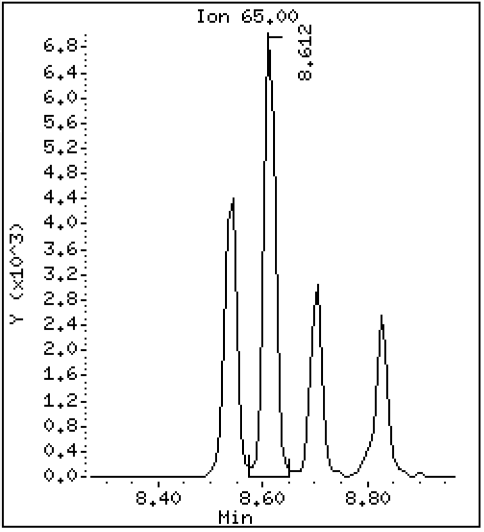












Data File: \\target\share\chem3\nt14.i\20221230B.b\NT1422123052.D

Date : 31-DEC-2022 15:05

Client ID:

Instrument: nt14.i

Sample Info: SKL0356-LCV2

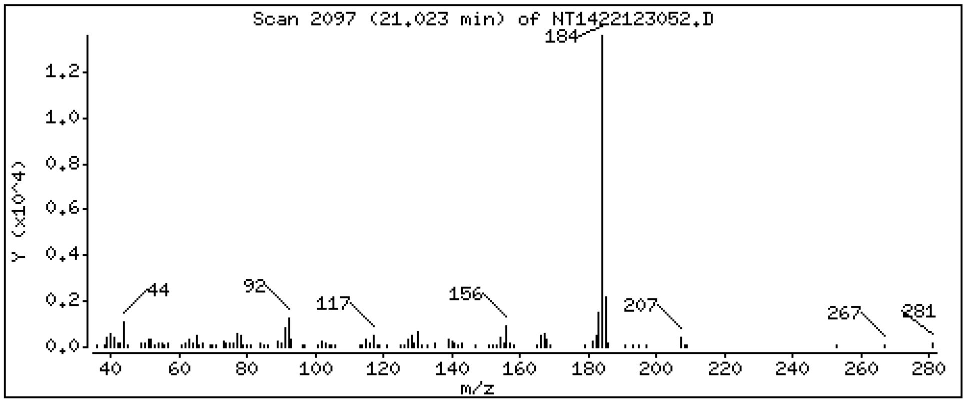
Operator: VTS

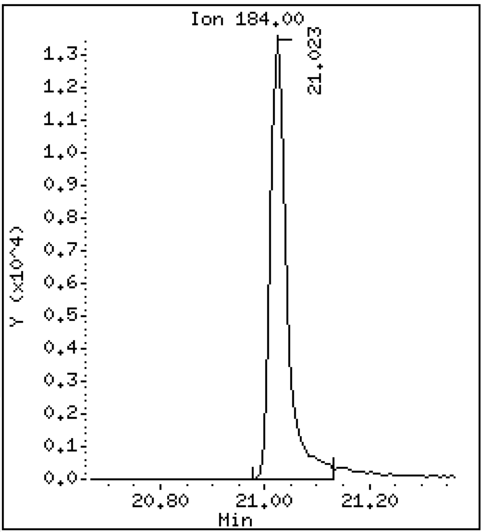
Column phase: ZB-5msi

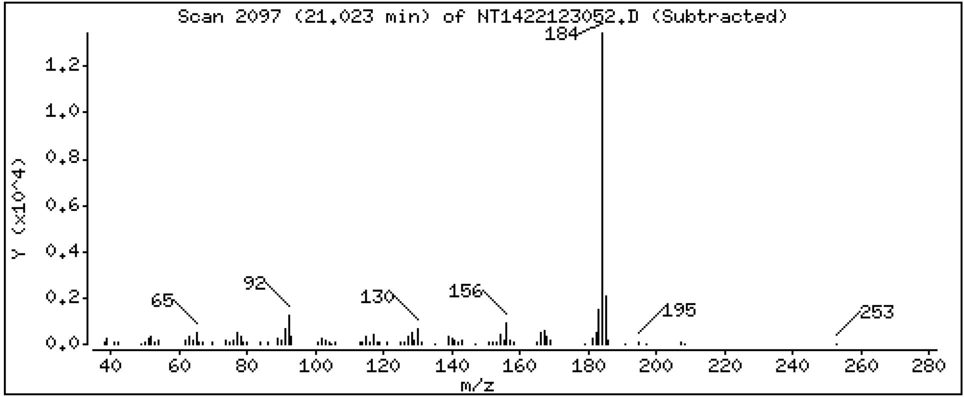
Column diameter: 0.25

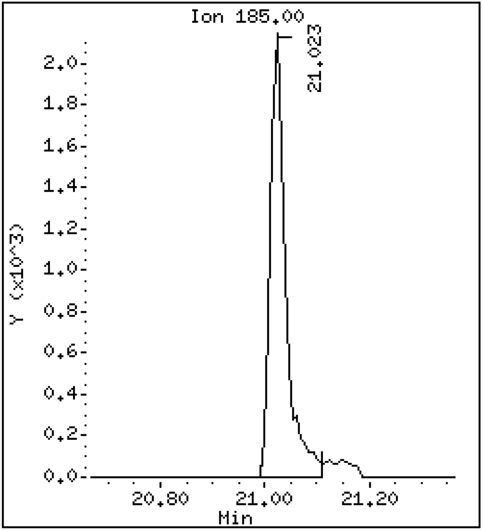
93 Benzidine

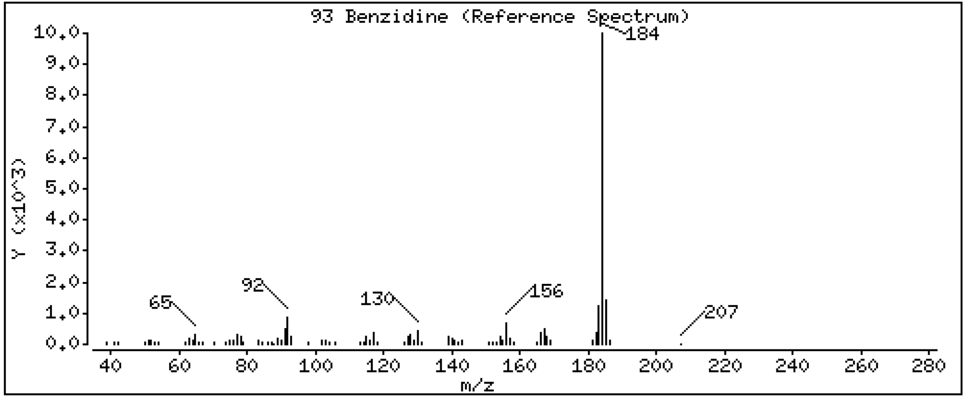
Concentration: 0.8039 ug/mL

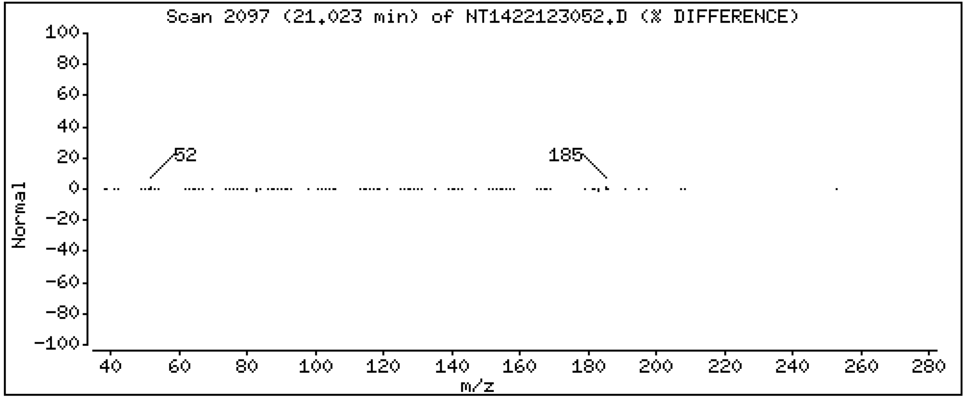


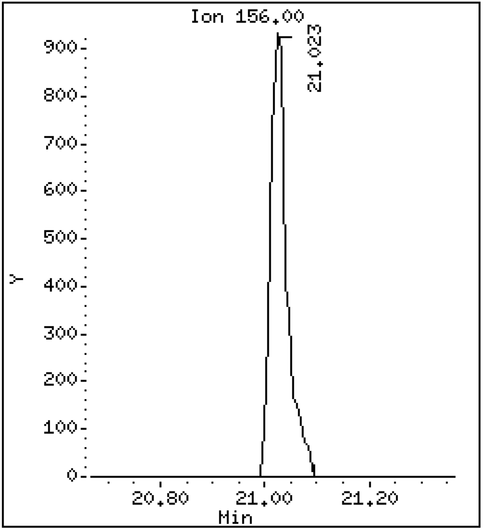












Data File: \\target\share\chem3\nt14.i\20221230B.b\NT1422123052.D

Date : 31-DEC-2022 15:05

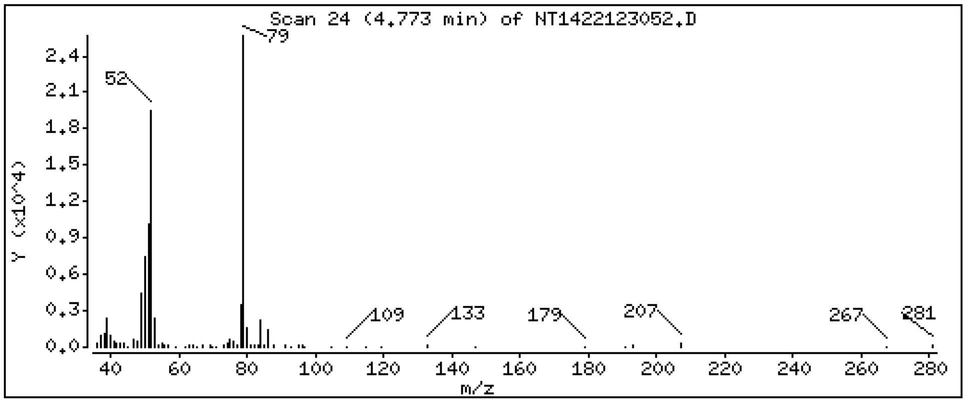
Client ID: Instrument: nt14.i

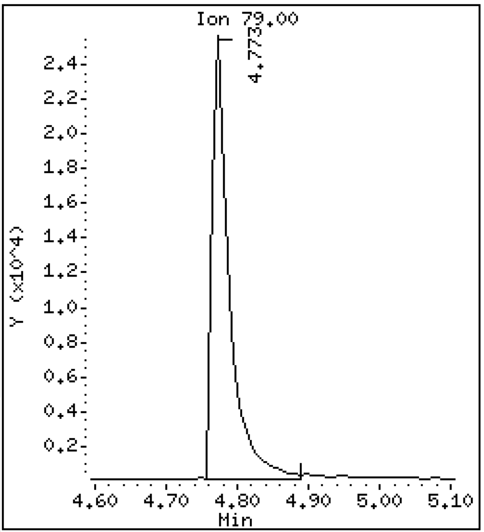
Sample Info: SKL0356-LCV2

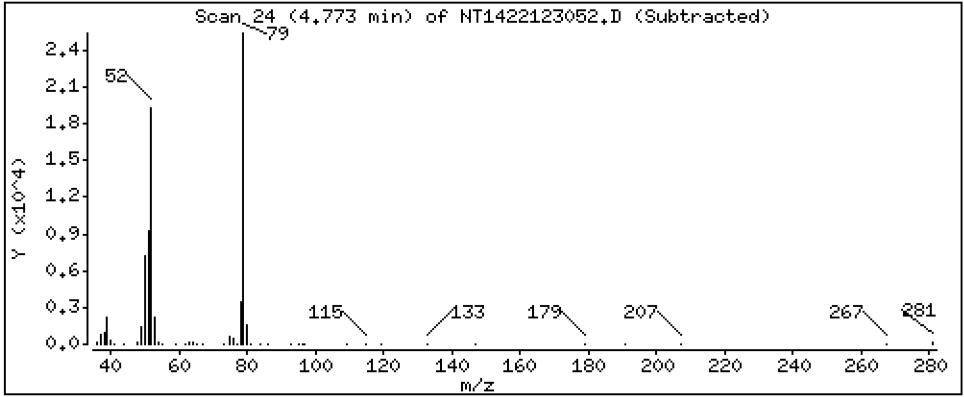
Operator: VTS

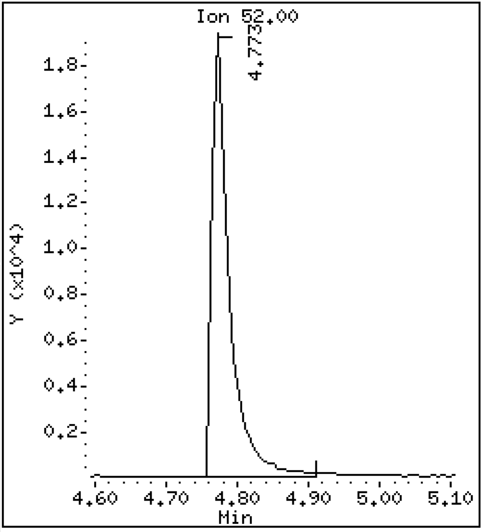
Column phase: ZB-5msi Column diameter: 0.25

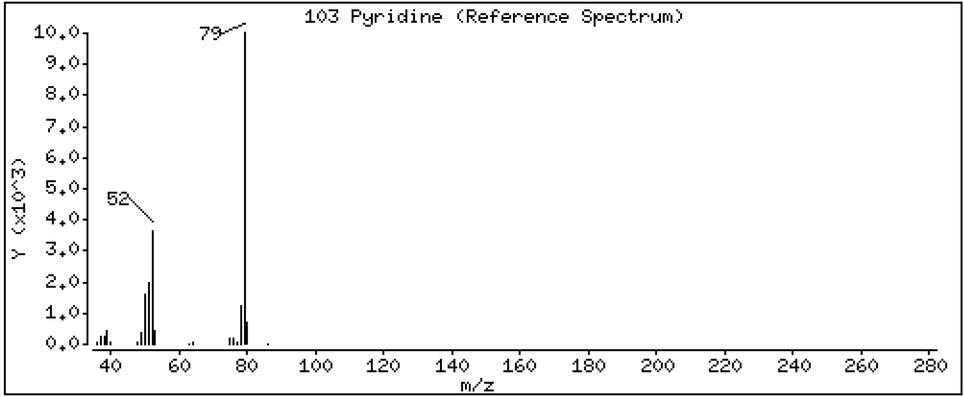
103 Pyridine Concentration: 0.5100 ug/mL

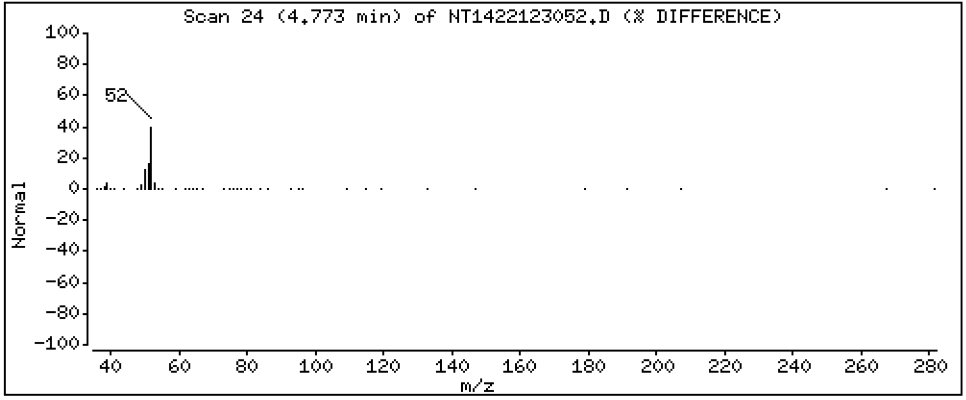

Scan 24 (4.773 min) of NT1422123052.D


Ion 79.00


Scan 24 (4.773 min) of NT1422123052.D (Subtracted)


Ion 52.00


103 Pyridine (Reference Spectrum)


Scan 24 (4.773 min) of NT1422123052.D (% DIFFERENCE)

Data File: \\target\share\chem3\nt14.i\20221230B.b\NT1422123052.D

Date : 31-DEC-2022 15:05

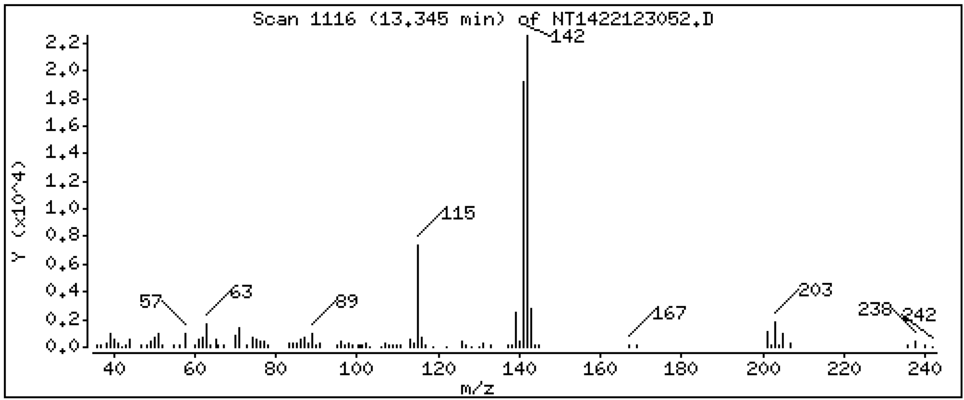
Client ID: Instrument: nt14.i

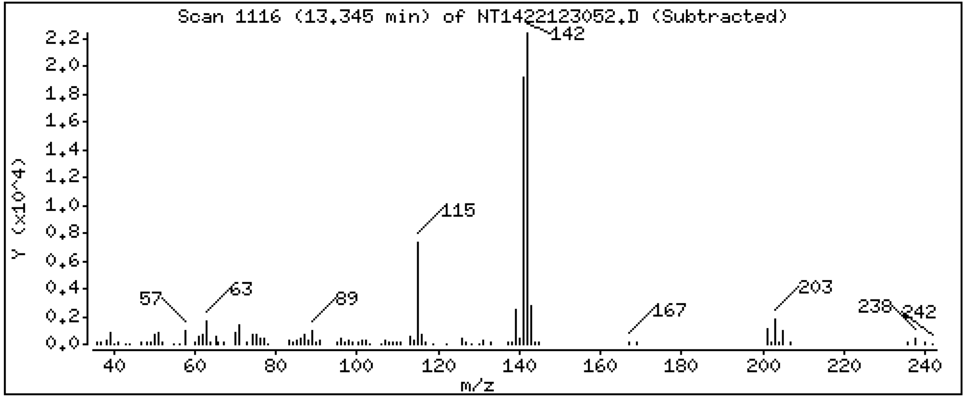
Sample Info: SKL0356-LCV2

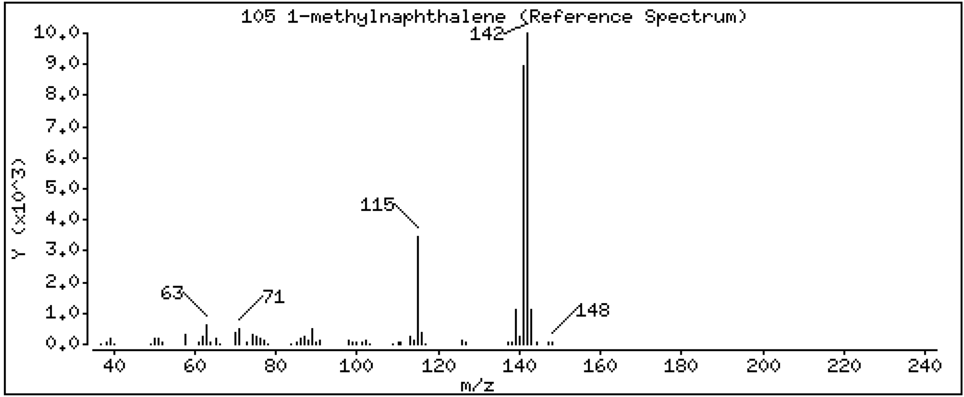
Operator: VTS

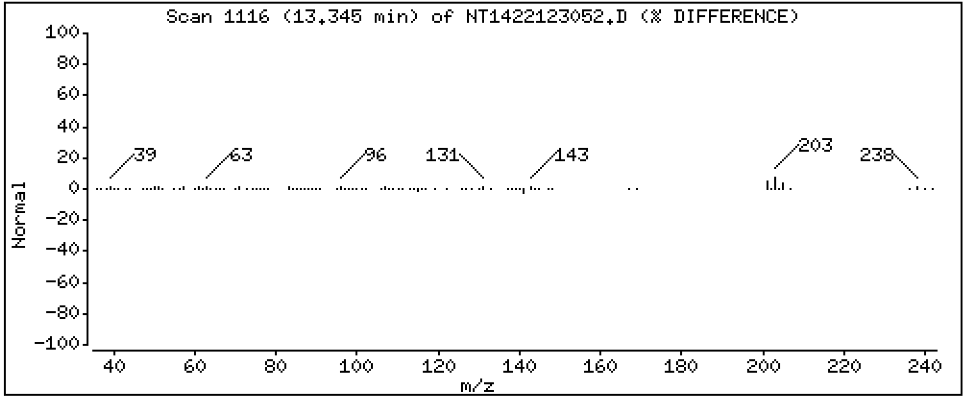
Column phase: ZB-5msi Column diameter: 0.25

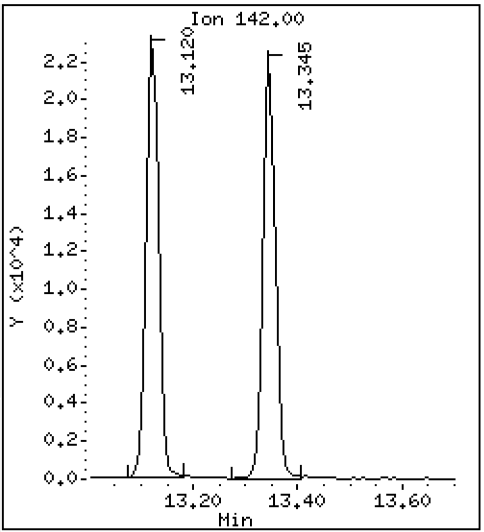
105 1-methylnaphthalene Concentration: 0.4765 ug/mL

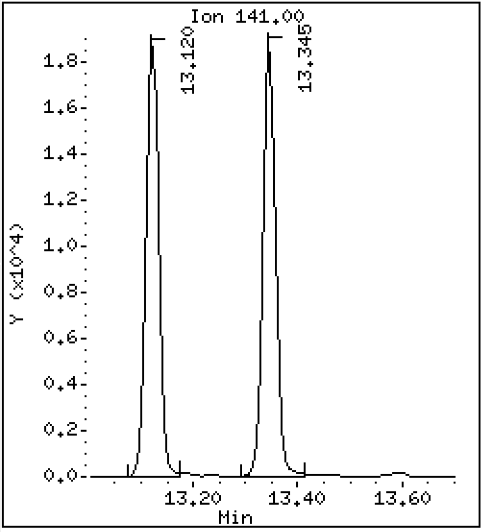

Scan 1116 (13.345 min) of NT1422123052.D


Scan 1116 (13.345 min) of NT1422123052.D (Subtracted)


105 1-methylnaphthalene (Reference Spectrum)


Scan 1116 (13.345 min) of NT1422123052.D (% DIFFERENCE)


Ion 142.00


Ion 141.00

Data File: \\target\share\chem3\nt14.i\20221230B.b\NT1422123052.D

Date : 31-DEC-2022 15:05

Client ID:

Instrument: nt14.i

Sample Info: SKL0356-LCV2

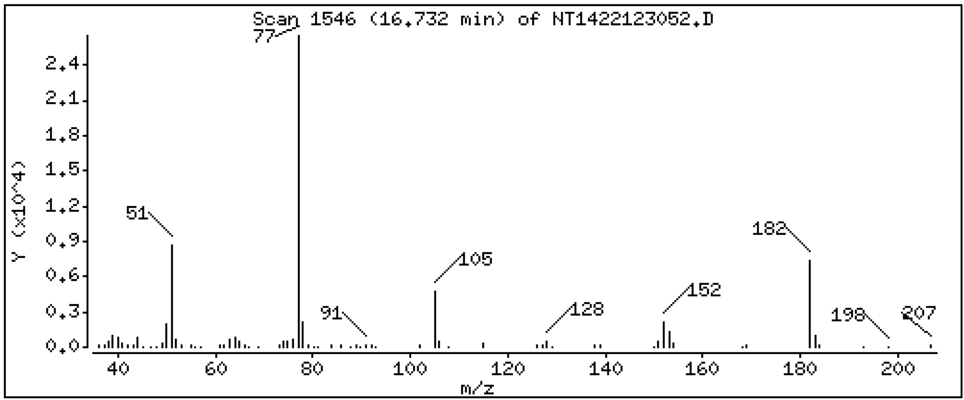
Operator: VTS

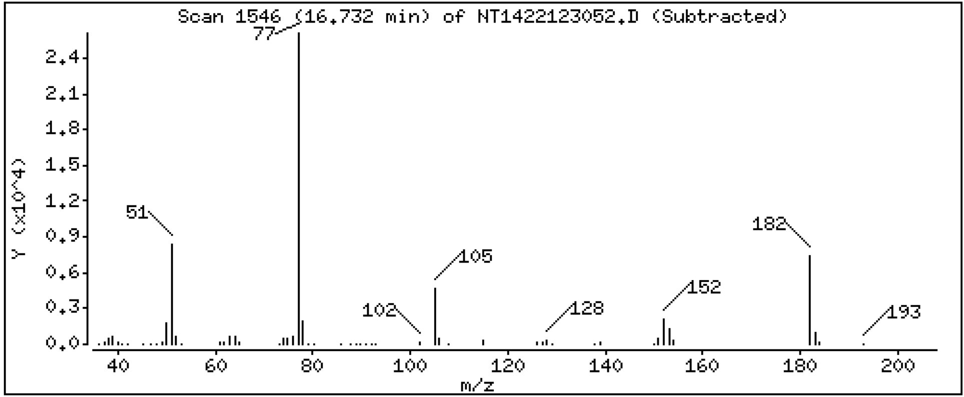
Column phase: ZB-5msi

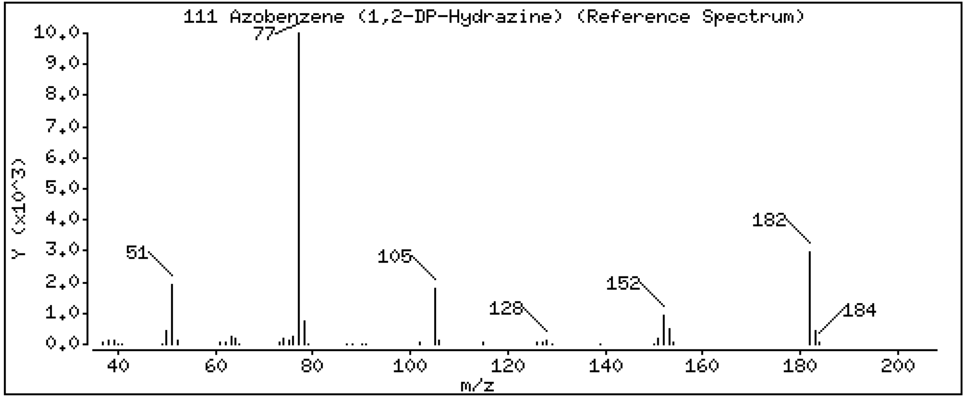
Column diameter: 0.25

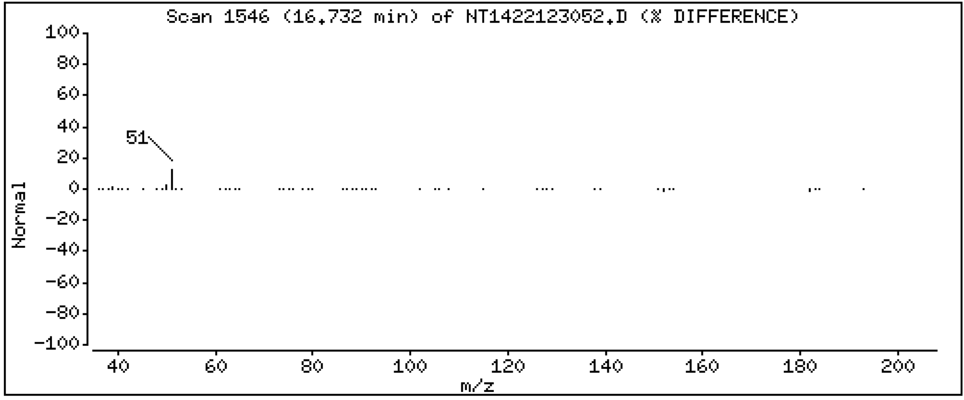
111 Azobenzene (1,2-DP-Hydrazine)

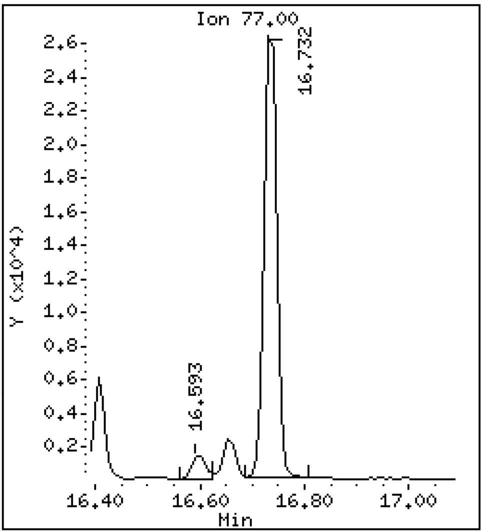
Concentration: 0.5124 ug/mL

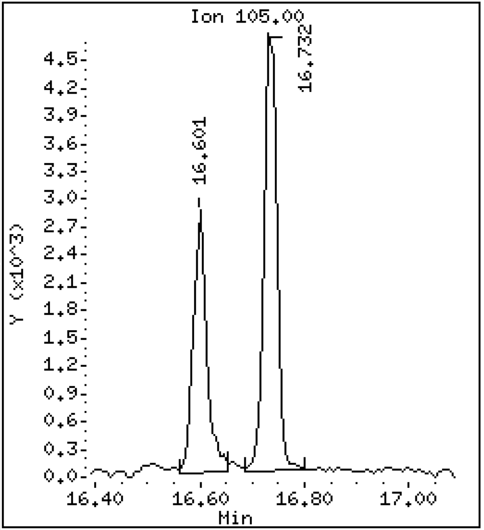


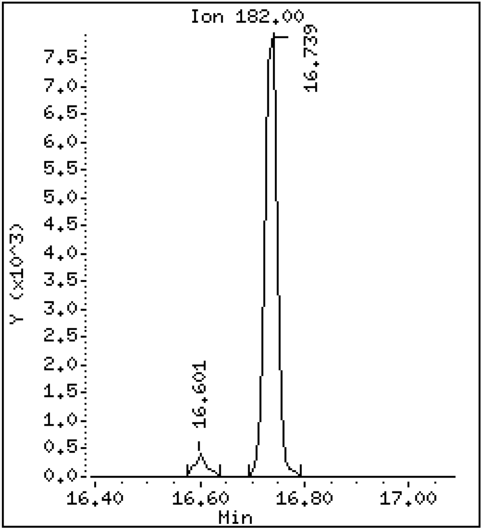












Data File: \\target\share\chem3\nt14.i\20221230B.b\NT1422123052.D

Date : 31-DEC-2022 15:05

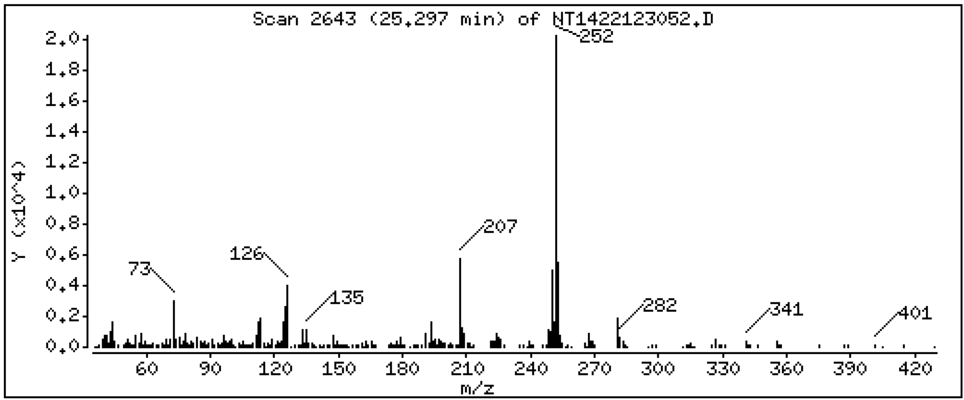
Client ID: Instrument: nt14.i

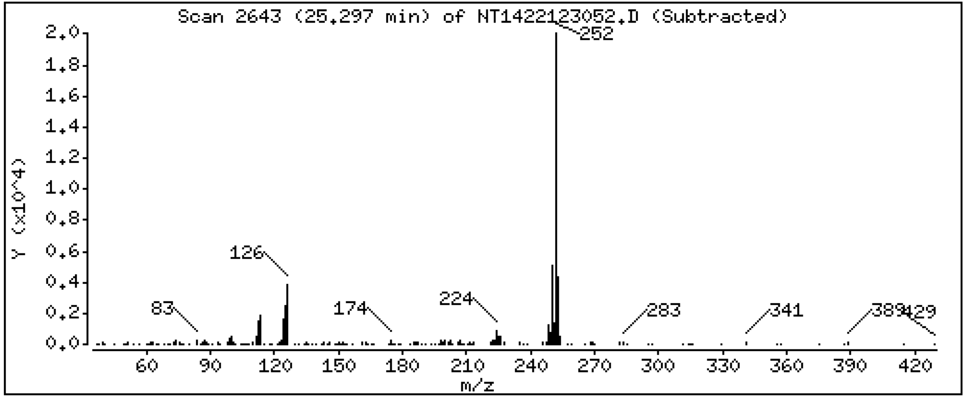
Sample Info: SKL0356-LCV2

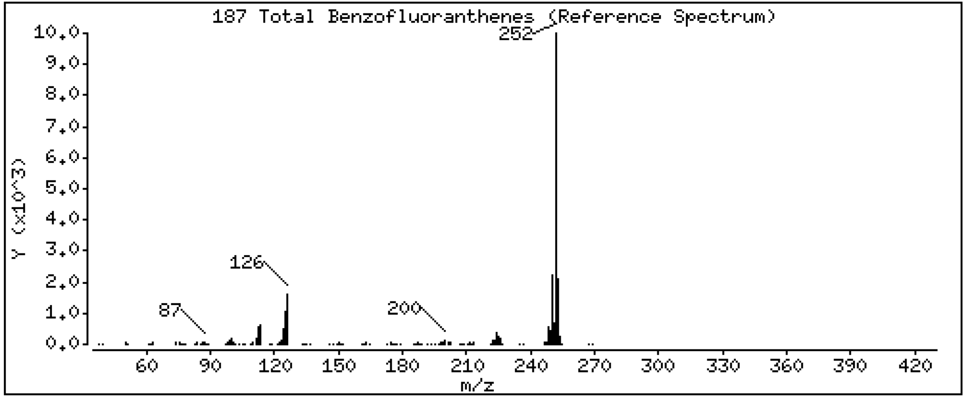
Operator: VTS

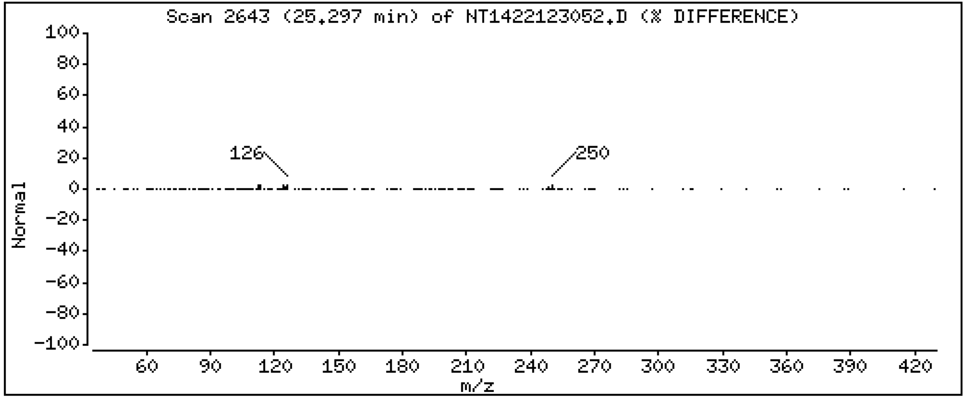
Column phase: ZB-5msi Column diameter: 0.25

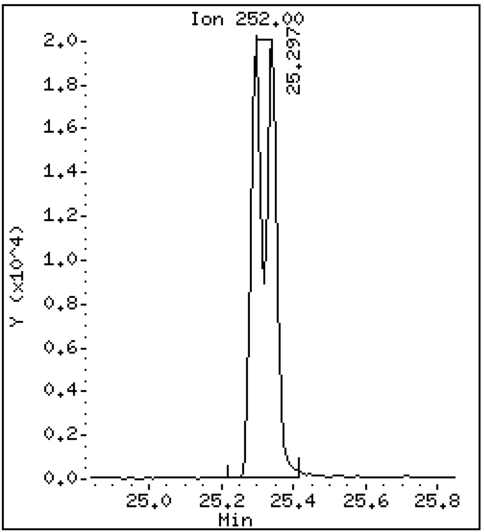
187 Total Benzofluoranthenes Concentration: 1.022 ug/mL

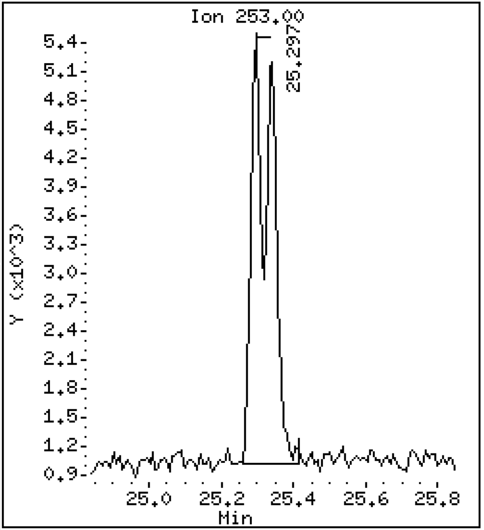


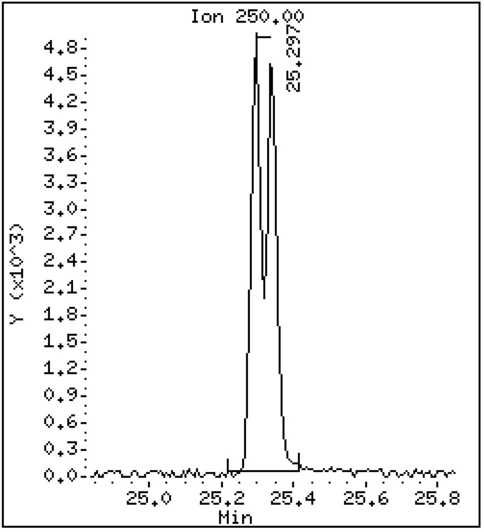












Data File: \\target\share\chem3\nt14.i\20221230B.b\NT1422123052.D

Date : 31-DEC-2022 15:05

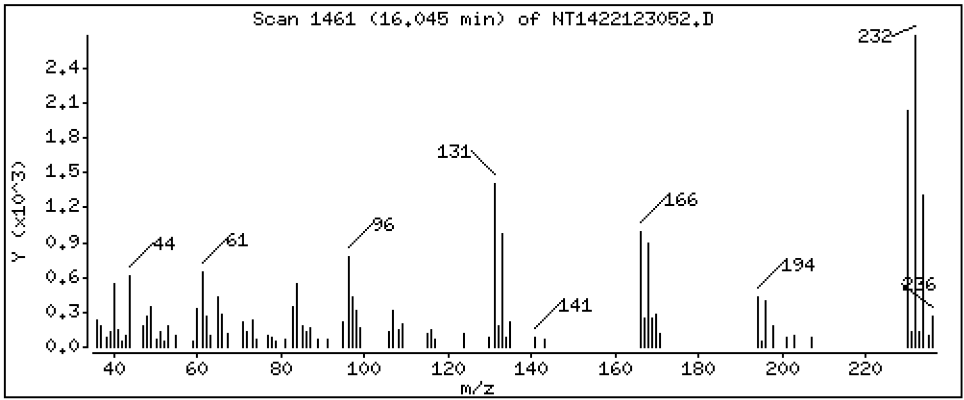
Client ID: Instrument: nt14.i

Sample Info: SKL0356-LCV2

Operator: VTS

Column phase: ZB-5msi Column diameter: 0.25

120 2,3,4,6-Tetrachlorophenol Concentration: 0.3296 ug/mL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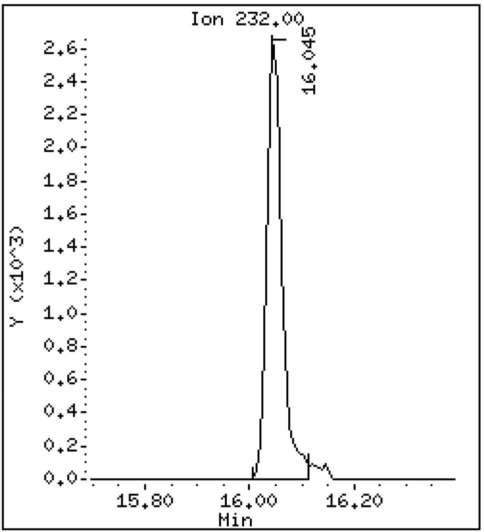
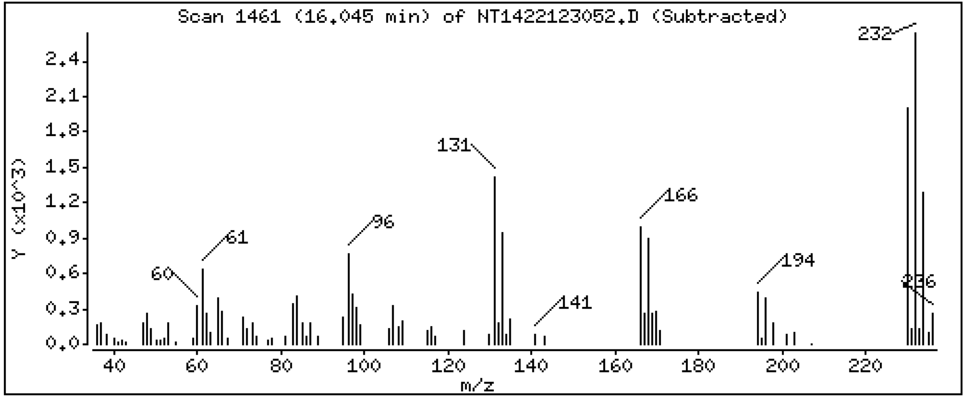

Ion 232.00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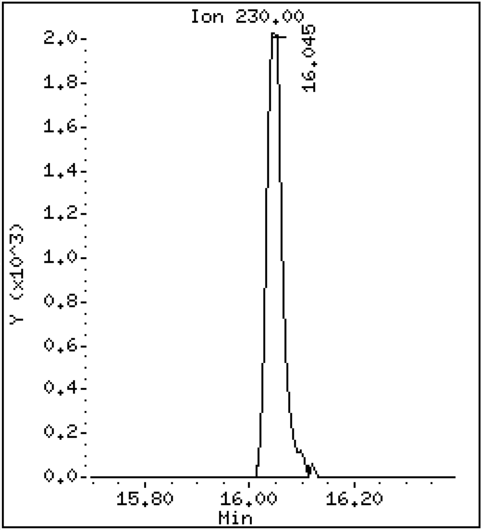
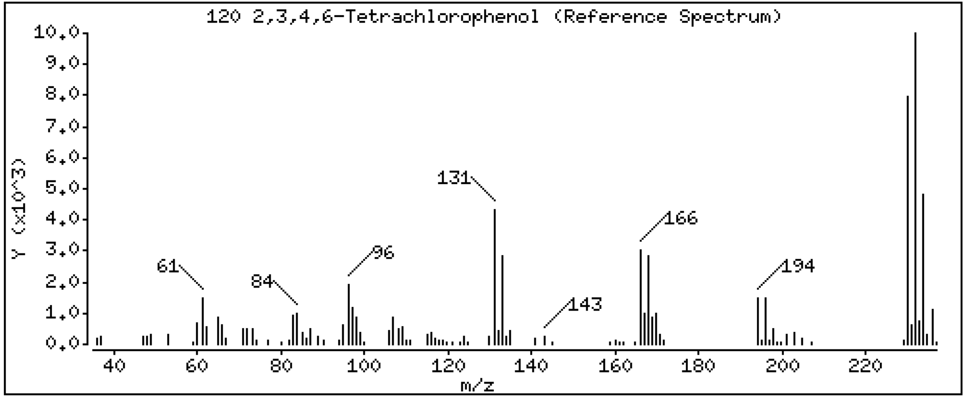
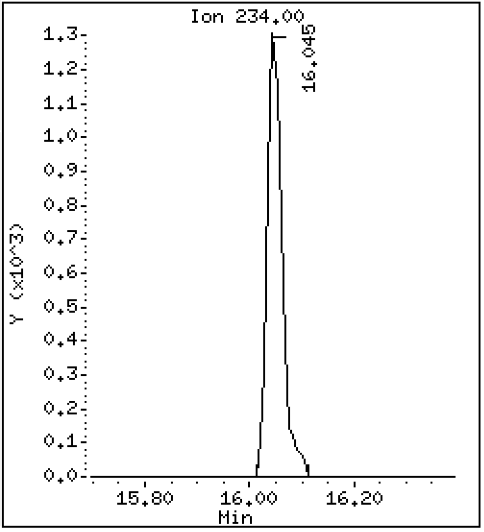

Ion 230.00


120 2,3,4,6-Tetrachlorophenol (Reference Spectrum)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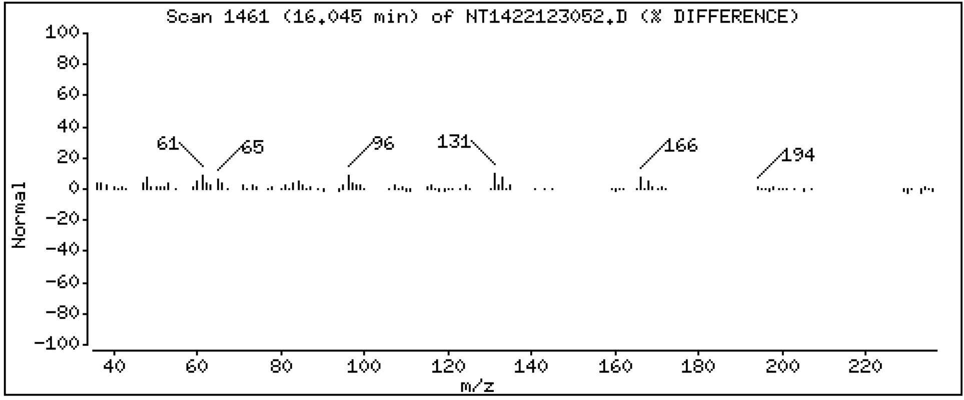
Scan 1461 (16.045 min) of NT1422123052.D (% DIFFERENCE)

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Data File: \\target\share\chem3\nt14.i\20221230B.b\NT1422123052.D Page 1
Report Date: 04-Jan-2023 12:20



                                  ARI Labs, Inc.

                       Semivolatile Report SW846 Method 8270D
Data file : \\target\share\chem3\nt14.i\20221230B.b\NT1422123052.D
Lab Smp Id: SKL0356-LCV2
Inj Date  : 31-DEC-2022 15:05           MS Autotune Date: 17-MAY-2011 01:22
Operator  : VTS                         Inst ID: nt14.i
Smp Info  : SKL0356-LCV2
Misc Info :
Comment   : 1ul Injection
Method    : \\target\share\chem3\nt14.i\20221230B.b\ABN.m
Meth Date : 04-Jan-2023 08:43 van       Quant Type: ISTD
Cal Date  : 30-DEC-2022 11:07           Cal File: NT1422123007.D
Als bottle: 5
Dil Factor: 1.00000
Integrator: HP RTE                      Compound Sublist: ICAL.sub
Target Version:  4.14
Processing Host: VANS-201906


                                                                                               CONCENTRATIONS
                                               QUANT SIG                                    ON-COLUMN    FINAL
Compounds                                       MASS        RT    EXP RT   REL RT  RESPONSE   (ug/mL)     (ug/mL)
==========================                      ====      ==== ======== ======== ========   =======     =======
$   1 2-Fluorophenol                             112      6.919    6.927 (0.755)     27373    0.71127      0.7113
$   2 Phenol-d5                                   99      8.519    8.519 (0.929)     31285    0.65780      0.6578
    3 Phenol                                      94      8.542    8.542 (0.932)     26016    0.48140      0.4814
$   5 2-Chlorophenol-d4                          132      8.804    8.804 (0.960)     27396    0.68588      0.6859
    4 Bis(2-Chloroethyl)ether                     93      8.704    8.704 (0.949)     18062    0.48518      0.4852
    6 2-Chlorophenol                             128      8.828    8.835 (0.963)     22183    0.50569      0.5057
    7 1,3-Dichlorobenzene                        146      9.106    9.106 (0.993)     23016    0.49479      0.4948
*   8 1,4-Dichlorobenzene-d4                     152      9.168    9.168 (1.000)    120125    4.00000
    9 1,4-Dichlorobenzene                        146      9.199    9.199 (1.003)     21701    0.49244      0.4924
$  10 1,2-Dichlorobenzene-d4                     152      9.533    9.533 (1.040)     12849    0.47066      0.4707
   12 1,2-Dichlorobenzene                        146      9.556    9.564 (1.042)     20928    0.48424      0.4842
   11 Benzyl alcohol                             108      9.440    9.440 (1.030)      9113    0.37879      0.3788
   14 2,2'-oxybis(1-Chloropropane)               121      9.742    9.743 (1.063)      5781    0.46137      0.4614(M)
   13 2-Methylphenol                             108      9.665    9.665 (1.054)     18978    0.48328      0.4833
   17 Hexachloroethane                           117     10.162   10.162 (1.108)      6042    0.37278      0.3728
   16 N-Nitroso-di-n-propylamine                  70      9.999    9.999 (1.091)     11134    0.46544      0.4654
   15 4-Methylphenol                             108      9.936    9.937 (1.084)     19666    0.47473      0.4747
$  18 Nitrobenzene-d5                             82     10.262   10.270 (0.879)     16741    0.45978      0.4598
   19 Nitrobenzene                                77     10.301   10.301 (0.882)     16782    0.46409      0.4641
   20 Isophorone                                  82     10.751   10.759 (0.921)     19898    0.43175      0.4317
   21 2-Nitrophenol                              139     10.938   10.938 (0.937)     10095    0.45609      0.4561
   22 2,4-Dimethylphenol                         107     10.992   10.992 (0.942)     37295    0.98819      0.9882
   23 Bis(2-Chloroethoxy)methane                  93     11.186   11.186 (0.958)     17353    0.48401      0.4840
   24 Benzoic acid                               105     11.093   11.201 (0.950)      7598    0.33063      0.3306
   25 2,4-Dichlorophenol                         162     11.403   11.403 (0.977)     31564    0.99218      0.9922
   26 1,2,4-Trichlorobenzene                     180     11.588   11.589 (0.993)     16567    0.48162      0.4816
*  27 Naphthalene-d8                             136     11.673   11.681 (1.000)    431181    4.00000
   28 Naphthalene                                128     11.712   11.720 (1.003)     51400    0.48439      0.4844
   29 4-Chloroaniline                            127     11.843   11.843 (1.015)     38062    0.86979      0.8698
   30 Hexachlorobutadiene                        225     12.083   12.083 (1.035)      8038    0.47097      0.4710
   31 4-Chloro-3-methylphenol                    107     12.810   12.810 (1.097)     28593    0.95242      0.9524
   32 2-Methylnaphthalene                        142     13.120   13.128 (1.124)     36399    0.46764      0.4676
   33 Hexachlorocyclopentadiene                  237     13.592   13.592 (0.888)      1798    0.10740      0.1074
```

```
                                                                                      CONCENTRATIONS
                                      QUANT SIG                                    ON-COLUMN    FINAL
Compounds                               MASS        RT    EXP RT   REL RT  RESPONSE  (ug/mL)    (ug/mL)
==========================              ====      ==== ======== ======== ========   =======    =======
   34 2,4,6-Trichlorophenol              196     13.747  13.747 (0.898)     16457   0.89033     0.8903
   35 2,4,5-Trichlorophenol              196     13.824  13.824 (0.903)     19186   0.89935     0.8994
$  36 2-Fluorobiphenyl                   172     13.909  13.909 (0.909)     35317   0.47432     0.4743
   37 2-Chloronaphthalene                162     14.118  14.126 (0.922)     30923   0.48818     0.4882
   38 2-Nitroaniline                      65     14.373  14.373 (0.939)     15325   0.92024     0.9202
   39 Dimethylphthalate                  163     14.807  14.807 (0.967)     29080   0.46562     0.4656
   40 Acenaphthylene                     152     14.993  15.000 (0.979)     51393   0.53211     0.5321
   41 2,6-Dinitrotoluene                 165     14.938  14.946 (0.976)     12001   0.85147     0.8515
*  42 Acenaphthene-d10                   164     15.310  15.318 (1.000)    221457   4.00000
   43 3-Nitroaniline                     138     15.232  15.233 (0.995)     13712   0.80043     0.8004
   44 Acenaphthene                       153     15.379  15.379 (1.005)     29746   0.49655     0.4966
   45 2,4-Dinitrophenol                  184     15.449  15.441 (1.009)      1736   0.14499     0.1450(M)
   46 Dibenzofuran                       168     15.704  15.712 (1.026)     44263   0.49272     0.4927
   47 4-Nitrophenol                      109     15.596  15.549 (1.019)      5313   0.64751     0.6475(M)
   48 2,4-Dinitrotoluene                 165     15.758  15.758 (1.029)     15060   0.77878     0.7788
   50 Diethylphthalate                   149     16.268  16.268 (1.063)     45617   0.53738     0.5374
   49 Fluorene                           166     16.423  16.423 (1.073)     46218   0.48362     0.4836
   51 4-Chlorophenyl-phenylether         204     16.407  16.415 (1.072)     21450   0.45846     0.4585
   52 4-Nitroaniline                     138     16.508  16.508 (1.078)     16356   0.79260     0.7926
   53 4,6-Dinitro-2-methylphenol         198     16.600  16.608 (0.904)     11325   0.75665     0.7566
   54 N-Nitrosodiphenylamine             169     16.654  16.662 (0.907)     31251   0.51126     0.5113
$  55 2,4,6-Tribromophenol               330     16.963  16.963 (1.108)      5569   0.53587     0.5359
   56 4-Bromophenyl-phenylether          248     17.418  17.418 (0.949)     11348   0.49028     0.4903
   57 Hexachlorobenzene                  284     17.742  17.742 (0.966)     12447   0.49003     0.4900
   58 Pentachlorophenol                  266     18.098  18.098 (0.986)      2476   0.22496     0.2250(M)
*  59 Phenanthrene-d10                   188     18.361  18.369 (1.000)    356219   4.00000
   60 Phenanthrene                       178     18.408  18.415 (1.003)     45378   0.48858     0.4886
   61 Anthracene                         178     18.500  18.508 (1.008)     41525   0.46834     0.4683
   62 Carbazole                          167     18.833  18.833 (1.026)     39496   0.46078     0.4608
   63 Di-n-butylphthalate                149     19.622  19.622 (1.069)     41551   0.42863     0.4286
   64 Fluoranthene                       202     20.791  20.798 (0.888)     44087   0.46433     0.4643
   65 Pyrene                             202     21.216  21.224 (0.906)     46707   0.46787     0.4679
$  66 Terphenyl-d14                      244     21.495  21.495 (0.918)     32135   0.45398     0.4540
   67 Butylbenzylphthalate               149     22.416  22.416 (0.958)     16717   0.44361     0.4436
   68 Benzo(a)anthracene                 228     23.376  23.376 (0.999)     43313   0.48487     0.4849
*  69 Chrysene-d12                       240     23.407  23.407 (1.000)    294883   4.00000
   70 3,3'-Dichlorobenzidine             252     23.322  23.330 (0.996)     40436   1.47869      1.479
   71 Chrysene                           228     23.446  23.454 (1.002)     41334   0.48986     0.4899
   72 bis(2-Ethylhexyl)phthalate         149     23.430  23.438 (0.959)     22969   0.47045     0.4704
* 134 Di-n-octylphthalate-d4             153     24.429  24.429 (1.000)    439623   4.00000
   73 Di-n-octylphthalate                149     24.437  24.437 (1.000)     51489   0.48792     0.4879
   74 Benzo(b)fluoranthene               252     25.296  25.304 (0.969)     40786   0.50793     0.5079
   75 Benzo(k)fluoranthene               252     25.343  25.343 (0.971)     42127   0.51546     0.5155
   76 Benzo(a)pyrene                     252     25.970  25.978 (0.995)     33479   0.50154     0.5015
*  77 Perylene-d12                       264     26.094  26.094 (1.000)    255506   4.00000
   78 Indeno(1,2,3-cd)pyrene             276     28.853  28.854 (1.106)     24548   0.32350     0.3235
   79 Dibenzo(a,h)anthracene             278     28.869  28.861 (1.106)     21258   0.32967     0.3297
   80 Benzo(g,h,i)perylene               276     29.669  29.669 (1.137)     17003   0.26748     0.2675
   90 N-Nitrosodimethylamine              74      4.726   4.726 (0.516)     26563   1.00220      1.002
   91 Aniline                             93      8.611   8.619 (0.939)     51051   0.97019     0.9702
   93 Benzidine                          184     21.023  21.015 (0.898)     29087   0.80389     0.8039
  103 Pyridine                            79      4.772   4.757 (0.521)     42950   0.50997     0.5100
  105 1-methylnaphthalene                142     13.344  13.352 (1.143)     35633   0.47646     0.4765
  111 Azobenzene (1,2-DP-Hydrazine)       77     16.731  16.739 (1.093)     42141   0.51242     0.5124
```

```
                                                                                         CONCENTRATIONS
                                     QUANT SIG                                         ON-COLUMN    FINAL
Compounds                              MASS          RT    EXP RT   REL RT  RESPONSE    (ug/mL)    (ug/mL)
==========================             ====        ==== ======== ======== ========    =======    =======
  187 Total Benzofluoranthenes          252      25.296  25.343 (0.969)      79350    1.02214      1.022
  120 2,3,4,6-Tetrachlorophenol         232      16.044  16.044 (1.048)       5147    0.32962     0.3296
```

QC Flag Legend

M - Compound response manually integrated.

Data File: \\target\share\chem3\nt14.i\20221230B.b\NT1422123052.D Page 1
Report Date: 04-Jan-2023 12:20

ARI Labs, Inc.

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: nt14.i
Lab File ID: NT1422123052.D
Lab Smp Id: SKL0356-LCV2
Analysis Type: SV
Quant Type: ISTD
Operator: VTS
Method File: \\target\share\chem3\nt14.i\20221230B.b\ABN.m
Misc Info:

Calibration Date: 31-DEC-2022
Calibration Time: 13:17
Level:
Sample Type:

Test Mode:
Use Last Continuing Calibrator.

COMPOUND	STANDARD	AREA LIMIT LOWER	AREA LIMIT UPPER	SAMPLE	%DIFF
8 1,4-Dichlorobenze	134439	67220	268878	120125	-10.65
27 Naphthalene-d8	492388	246194	984776	431181	-12.43
42 Acenaphthene-d10	270679	135340	541358	221457	-18.18
59 Phenanthrene-d10	429616	214808	859232	356219	-17.08
69 Chrysene-d12	376030	188015	752060	294883	-21.58
134 Di-n-octylphthala	634628	317314	1269256	439623	-30.73
77 Perylene-d12	336225	168113	672450	255506	-24.01

COMPOUND	STANDARD	RT LIMIT LOWER	RT LIMIT UPPER	SAMPLE	%DIFF
8 1,4-Dichlorobenze	9.17	8.67	9.67	9.17	-0.00
27 Naphthalene-d8	11.68	11.18	12.18	11.67	-0.07
42 Acenaphthene-d10	15.32	14.82	15.82	15.31	-0.05
59 Phenanthrene-d10	18.37	17.87	18.87	18.36	-0.04
69 Chrysene-d12	23.41	22.91	23.91	23.41	-0.00
134 Di-n-octylphthala	24.43	23.93	24.93	24.43	-0.00
77 Perylene-d12	26.09	25.59	26.59	26.09	-0.00

AREA UPPER LIMIT = +100% of internal standard area.
AREA LOWER LIMIT = - 50% of internal standard area.
RT UPPER LIMIT = + 0.50 minutes of internal standard RT.
RT LOWER LIMIT = - 0.50 minutes of internal standard RT.

```
REVIEW SUMMARY FOR FILE - NT1422123052.D

Lab ID: SKL0356-LCV2
nt14.i,  20221230B.b\ABN.m,    31-DEC-2022 15:05

     RT      CO-ELUTION COMPOUNDS
----------------------------------------------------------------------------

            NO CO-ELUTIONS


Quant Method: ICAL



        RRT CHECK

   RRT    CCV RRT   DELTA    COMPOUND
 -------------------------------------

  0.950    0.959   -0.0087   Benzoic acid

  RRT check based on Ccal File: NT1422123049.D

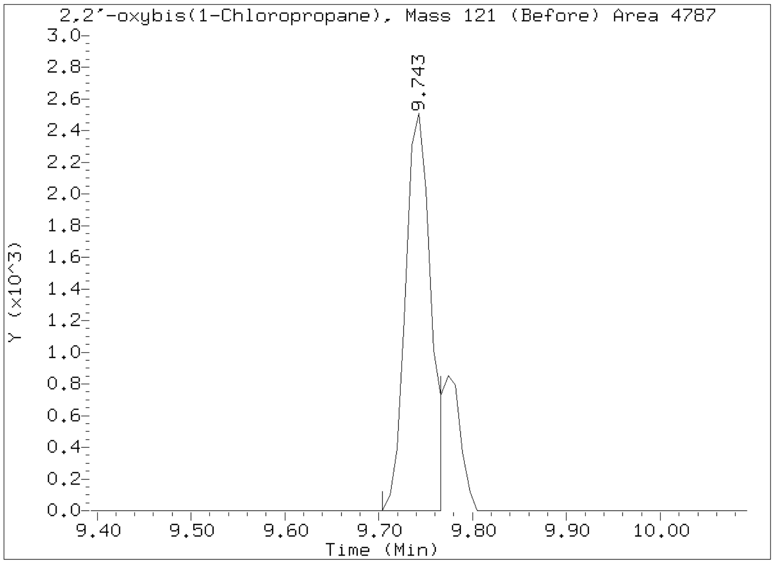

 On Column LOD for nt14.i, 20221230B.b\ABN.m, ICAL.sub = 0.0000

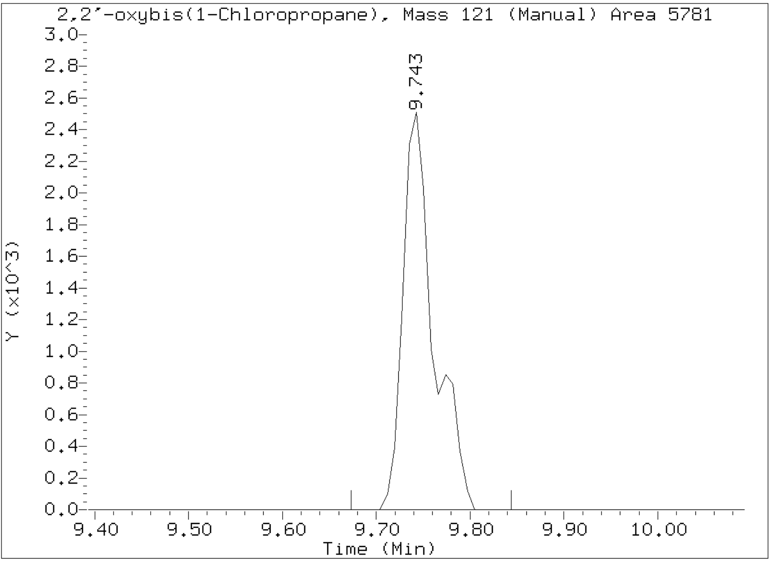

 * Only compounds listed in the work order have been verified by the analyst *
```

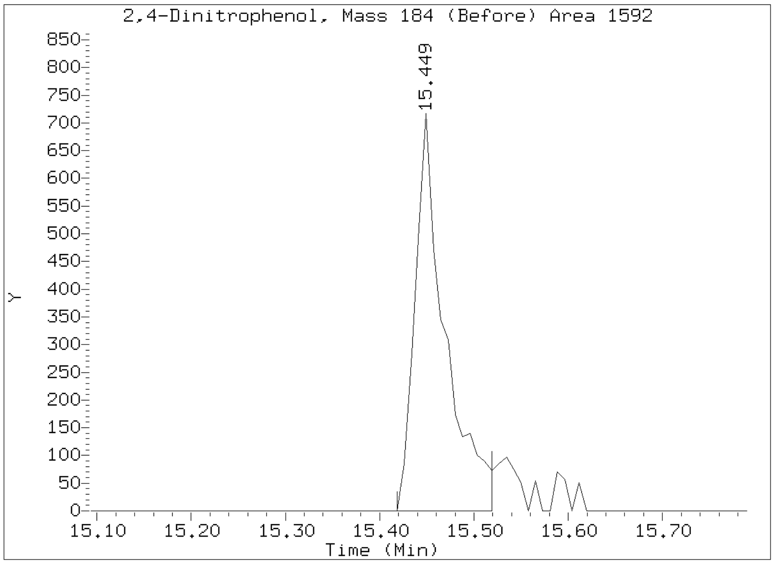
Quant Ion Manual Peak Adjustment Report

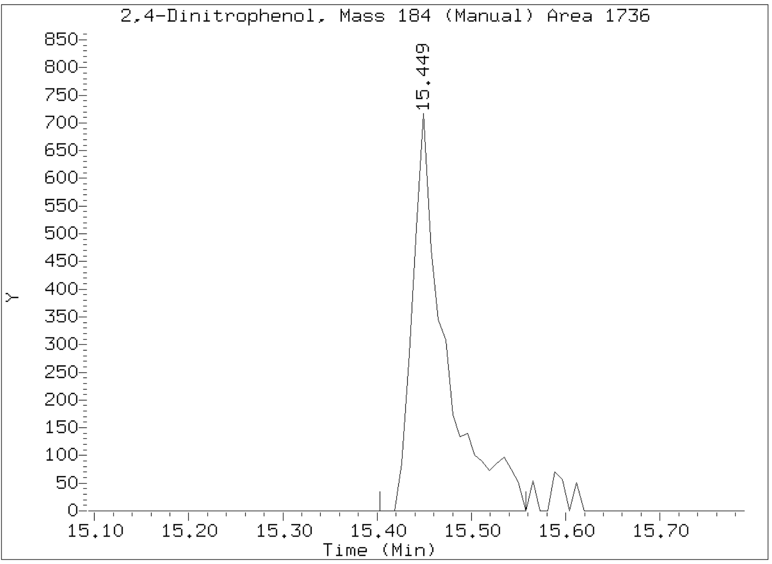
Datafile: //target/share/chem3/nt14.i/20221230B.b/NT1422123052.D
Injection Date: 31-DEC-2022 15:05
Lab ID:SKL0356-LCV2 Client ID:
Report Date: 01/04/2023 12:20

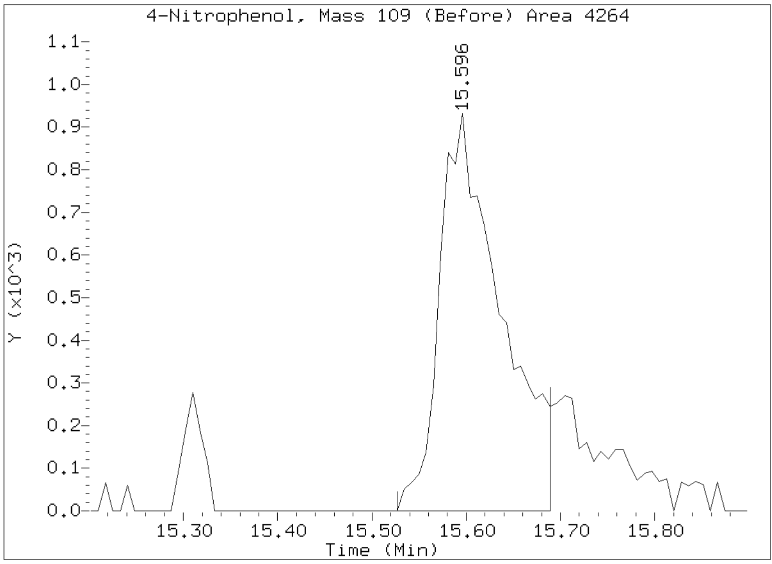
REVIEWED
By Brian Bebee
01/07/2023 @ 06:32 PM

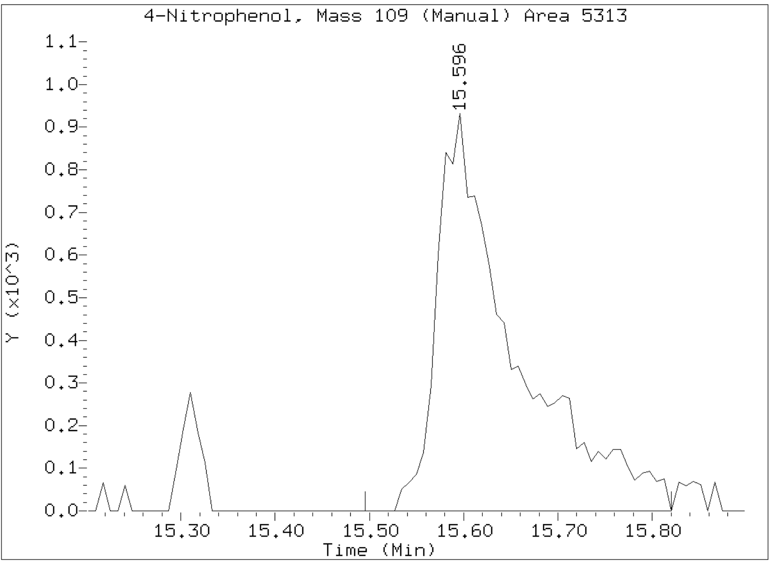

2,2'-oxybis(1-Chloropropane), Mass 121 (Before) Area 4787


2,2'-oxybis(1-Chloropropane), Mass 121 (Manual) Area 5781


2,4-Dinitrophenol, Mass 184 (Before) Area 1592


2,4-Dinitrophenol, Mass 184 (Manual) Area 1736

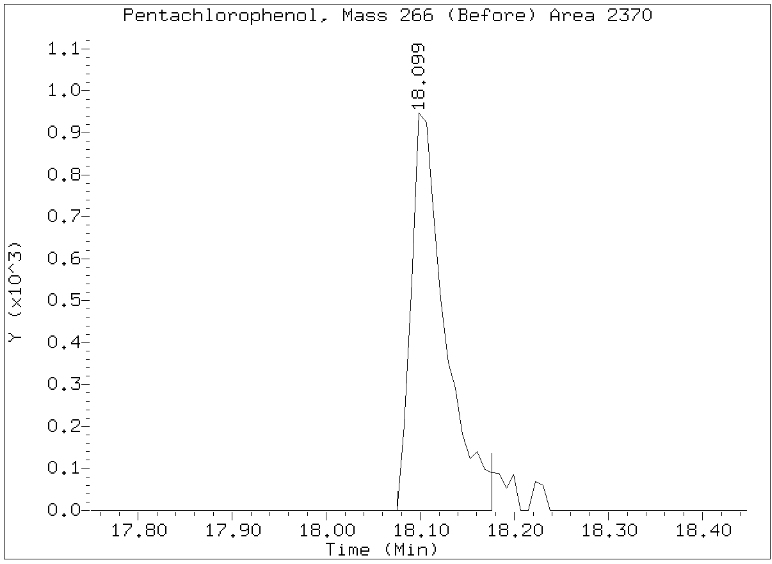

4-Nitrophenol, Mass 109 (Before) Area 4264

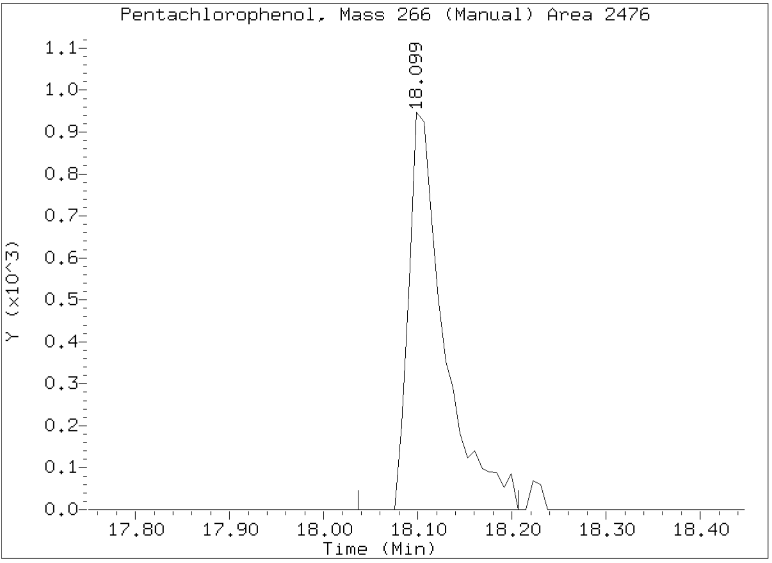

4-Nitrophenol, Mass 109 (Manual) Area 5313

Quant Ion Manual Peak Adjustment Report

Datafile: //target/share/chem3/nt14.i/20221230B.b/NT1422123052.D
Injection Date: 31-DEC-2022 15:05
Lab ID:SKL0356-LCV2 Client ID:
Report Date: 01/04/2023 12:20

REVIEWED
By Brian Bebee
01/07/2023 @ 06:32 PM





LOW-CONCENTRATION
CONTINUING CALIBRATION CHECK
EPA 8270E

Laboratory:	Analytical Resources, LLC	SDG:	22L0307
Client:	Anchor QEA, LLC	Project:	AOC4 UR Phase 3
Instrument ID:	NT14	Calibration:	FL00066
Lab File ID:	NT1422123067.D	Calibration Date:	12/30/2022
Sequence:	SKL0355	Injection Date:	01/01/23
Lab Sample ID:	SKL0355-LCV3	Injection Time:	00:06
Sequence Name:	ABN 0.2		

		CONC. (ug/mL)		RESPONSE FACTOR (RRF)			% DRIFT/DIFF	
COMPOUND	TYPE	STD	CCV	ICAL	CCV	MIN	CCV	LIMIT
Phenol	A	0.20000	0.2	1.7995200	2.0452070		13.7	+/-50
bis(2-chloroethyl) ether	A	0.20000	0.2	1.2396270	1.4830090		19.6	+/-50
2-Chlorophenol	A	0.20000	0.2	1.4607190	1.7978250		23.1	+/-50
1,3-Dichlorobenzene	A	0.20000	0.2	1.5489360	1.9130870		23.5	+/-50
1,4-Dichlorobenzene	A	0.20000	0.3	1.4674070	1.8357570		25.1	+/-50
1,2-Dichlorobenzene	A	0.20000	0.2	1.4391100	1.7415680		21.0	+/-50
Benzyl Alcohol	A	0.20000	0.2	0.8011083	0.6620672		-17.4	+/-50
2,2'-Oxybis(1-chloropropane)	A	0.20000	0.2	0.4172325	0.5070412		21.5	+/-50
2-Methylphenol	A	0.20000	0.2	1.3076140	1.4430610		10.4	+/-50
Hexachloroethane	A	0.20000	0.2	0.5396966	0.5341616		-1.0	+/-50
N-Nitroso-di-n-Propylamine	A	0.20000	0.2	0.7965591	0.9367527		17.6	+/-50
4-Methylphenol	A	0.20000	0.2	1.3794240	1.4340820		4.0	+/-50
Nitrobenzene	A	0.20000	0.2	0.3354574	0.3740281		11.5	+/-50
Isophorone	A	0.20000	0.2	0.4275424	0.4216317		-1.4	+/-50
2-Nitrophenol	A	0.20000	0.2	0.2064997	0.2168104		5.8	+/-50
2,4-Dimethylphenol	A	0.40000	0.5	0.3501131	0.4017339		14.7	+/-50
Bis(2-Chloroethoxy)methane	A	0.20000	0.2	0.3325989	0.3923643		18.0	+/-50
2,4-Dichlorophenol	A	0.40000	0.4	0.2951237	0.3025220		2.5	+/-50
1,2,4-Trichlorobenzene	A	0.20000	0.2	0.3191088	0.3830954		20.1	+/-50
Naphthalene	A	0.20000	0.2	0.9843833	1.1590590		17.7	+/-50
Benzoic acid	A	0.80000	0.2	0.1508906	0.0558775		-73.8	+/-50
4-Chloroaniline	A	0.40000	0.4	0.4059568	0.4111538		1.3	+/-50
Hexachlorobutadiene	A	0.20000	0.2	0.1583286	0.1883993		19.0	+/-50
4-Chloro-3-Methylphenol	A	0.40000	0.4	0.2785027	0.3012374		8.2	+/-50
2-Methylnaphthalene	A	0.20000	0.2	0.7220739	0.8194867		13.5	+/-50
Hexachlorocyclopentadiene	A	0.40000	0.04	0.3023695	0.0305562		-89.9	+/-50
2,4,6-Trichlorophenol	A	0.40000	0.3	0.3338641	0.2872967		-13.9	+/-50
2,4,5-Trichlorophenol	A	0.40000	0.4	0.3853234	0.3471848		-9.9	+/-50
2-Chloronaphthalene	A	0.20000	0.2	1.1441150	1.3420240		17.3	+/-50
2-Nitroaniline	A	0.40000	0.4	0.3007956	0.3230435		7.4	+/-50
Acenaphthylene	A	0.20000	0.2	1.7445240	1.9985900		14.6	+/-50
Dimethylphthalate	A	0.20000	0.2	1.1280520	1.2056960		6.9	+/-50
2,6-Dinitrotoluene	A	0.40000	0.4	0.2545771	0.2431273		-4.5	+/-50
Acenaphthene	A	0.20000	0.2	1.0820160	1.2755250		17.9	+/-50

* Values outside of QC limits

LOW-CONCENTRATION
CONTINUING CALIBRATION CHECK
EPA 8270E

Laboratory:	Analytical Resources, LLC	SDG:	22L0307
Client:	Anchor QEA, LLC	Project:	AOC4 UR Phase 3
Instrument ID:	NT14	Calibration:	FL00066
Lab File ID:	NT1422123067.D	Calibration Date:	12/30/2022
Sequence:	SKL0355	Injection Date:	01/01/23
Lab Sample ID:	SKL0355-LCV3	Injection Time:	00:06
Sequence Name:	ABN 0.2		

COMPOUND	TYPE	CONC. (ug/mL) STD	CCV	RESPONSE FACTOR (RRF) ICAL	CCV	MIN	% DRIFT/DIFF CCV	LIMIT
3-Nitroaniline	A	0.40000	0.4	0.3094189	0.2756422		-10.9	+/-50
2,4-Dinitrophenol	A	0.80000	0.0	0.1831718				+/-50
Dibenzofuran	A	0.20000	0.2	1.6225950	1.9513840		20.3	+/-50
4-Nitrophenol	A	0.40000	0.3	0.1384031	0.0992097		-33.0	+/-50
2,4-Dinitrotoluene	A	0.40000	0.3	0.3492859	0.2959151		-15.3	+/-50
Fluorene	A	0.20000	0.2	1.7261350	2.0141620		16.7	+/-50
4-Chlorophenylphenyl ether	A	0.20000	0.2	0.8450792	0.8935724		5.7	+/-50
Diethyl phthalate	A	0.20000	0.3	1.5332690	1.9895800		29.8	+/-50
4-Nitroaniline	A	0.40000	0.4	0.3413732	0.3480173		-6.5	+/-50
4,6-Dinitro-2-methylphenol	A	0.80000	0.09	0.1530278	0.0194293		-88.4	+/-50
N-Nitrosodiphenylamine	A	0.20000	0.3	0.6863845	0.8609555		25.4	+/-50
4-Bromophenyl phenyl ether	A	0.20000	0.2	0.2599074	0.2900591		11.6	+/-50
Hexachlorobenzene	A	0.20000	0.2	0.2852204	0.3377450		18.4	+/-50
Pentachlorophenol	A	0.40000	0.02	0.1128364	0.0062489		-94.9	+/-50
Phenanthrene	A	0.20000	0.2	1.0429190	1.2493590		19.8	+/-50
Anthracene	A	0.20000	0.2	0.9956202	1.1560500		16.1	+/-50
Carbazole	A	0.20000	0.2	0.9624945	1.1107300		15.4	+/-50
Di-n-Butylphthalate	A	0.20000	0.2	1.0394700	1.2348590		13.6	+/-50
Fluoranthene	A	0.20000	0.2	1.2879410	1.5332460		19.0	+/-50
Pyrene	A	0.20000	0.2	1.3541610	1.5802070		16.7	+/-50
Butylbenzylphthalate	A	0.20000	0.3	0.4650792	0.6893559		34.9	+/-50
Benzo(a)anthracene	A	0.20000	0.3	1.2117210	1.5989020		32.0	+/-50
3,3'-Dichlorobenzidine	A	0.60000	0.8	0.3709370	0.5065069		36.5	+/-50
Chrysene	A	0.20000	0.2	1.1445730	1.3899140		21.4	+/-50
bis(2-Ethylhexyl)phthalate	A	0.20000	0.3	0.4442323	0.5799243		30.5	+/-50
Di-n-Octylphthalate	A	0.20000	0.2	0.9601702	1.1806330		23.0	+/-50
Benzofluoranthenes, Total	A	0.40000	0.5	1.2153330	1.5993190		31.6	+/-50
Benzo(a)pyrene	A	0.20000	0.3	1.0450150	1.3188060		26.2	+/-50
Indeno(1,2,3-cd)pyrene	A	0.20000	0.1	1.1879490	0.8873690		-25.3	+/-50
Dibenzo(a,h)anthracene	A	0.20000	0.2	1.0094890	0.7614674		-24.6	+/-50
Benzo(g,h,i)perylene	A	0.20000	0.1	0.9951726	0.5264336		-47.1	+/-50
1-Methylnaphthalene	A	0.20000	0.2	0.6937882	0.7885066		13.7	+/-50
2-Fluorophenol	A	0.30000	0.357	1.2814900	1.5232620		18.9	+/-50
Phenol-d5	A	0.30000	0.312	1.5836890	1.6462810		4.0	+/-50

* Values outside of QC limits

Analytical Resources, LLC
Analytical Chemists and Consultants

LOW-CONCENTRATION
CONTINUING CALIBRATION CHECK
EPA 8270E

Laboratory:	Analytical Resources, LLC	SDG:	22L0307
Client:	Anchor QEA, LLC	Project:	AOC4 UR Phase 3
Instrument ID:	NT14	Calibration:	FL00066
Lab File ID:	NT1422123067.D	Calibration Date:	12/30/2022
Sequence:	SKL0355	Injection Date:	01/01/23
Lab Sample ID:	SKL0355-LCV3	Injection Time:	00:06
Sequence Name:	ABN 0.2		

COMPOUND	TYPE	CONC. (ug/mL)		RESPONSE FACTOR (RRF)			% DRIFT/DIFF	
		STD	CCV	ICAL	CCV	MIN	CCV	LIMIT
2-Chlorophenol-d4	A	0.30000	0.337	1.3300510	1.4929650		12.3	+/-50
1,2-Dichlorobenzene-d4	A	0.20000	0.240	0.9090592	1.0925120		20.2	+/-50
Nitrobenzene-d5	A	0.20000	0.227	0.3377760	0.3825413		13.3	+/-50
2-Fluorobiphenyl	A	0.20000	0.223	1.3448860	1.4982320		11.4	+/-50
2,4,6-Tribromophenol	A	0.30000	0.225	0.1844845	0.1403103		-25.1	+/-50
p-Terphenyl-d14	A	0.20000	0.222	0.9601842	1.0669730		11.1	+/-50

* Values outside of QC limits

* Values outside of QC limits

Data File: \\target\share\chem3\nt14.i\20221230C.b\NT1422123067.D

Page 1

Date : 01-JAN-2023 00:06

Client ID:

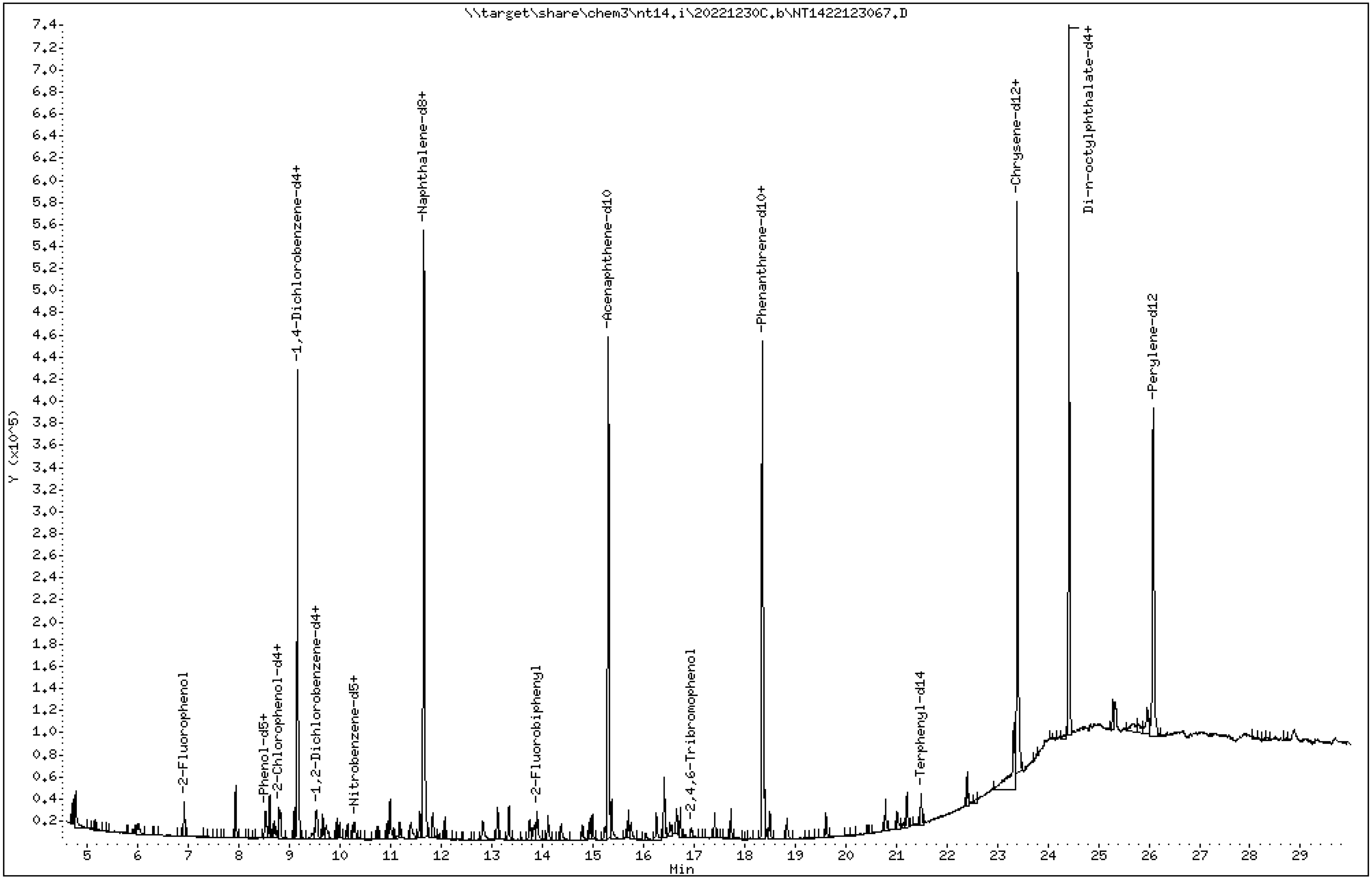
Instrument: nt14.i

Sample Info: SKL0355-LCV3

Operator: VTS

Column phase: ZB-5msi

Column diameter: 0.25



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Date : 01-JAN-2023 00:06

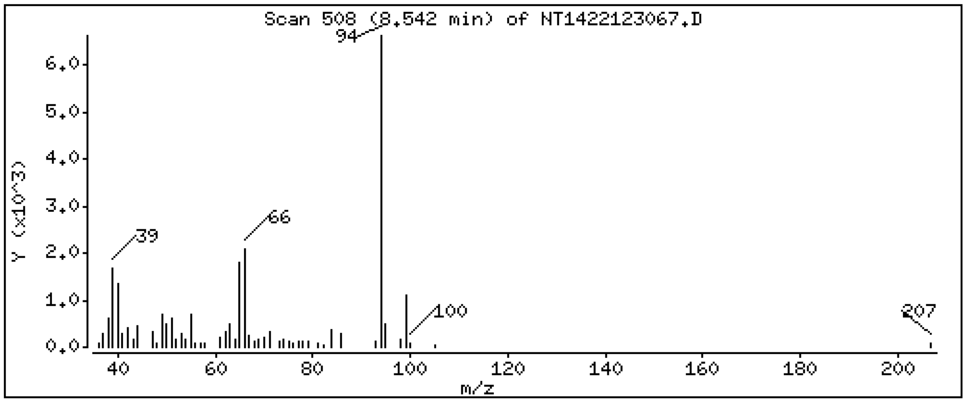
Client ID: Instrument: nt14.i

Sample Info: SKL0355-LCV3

Operator: VTS

Column phase: ZB-5msi Column diameter: 0.25

3 Phenol Concentration: 0.2273 ug/mL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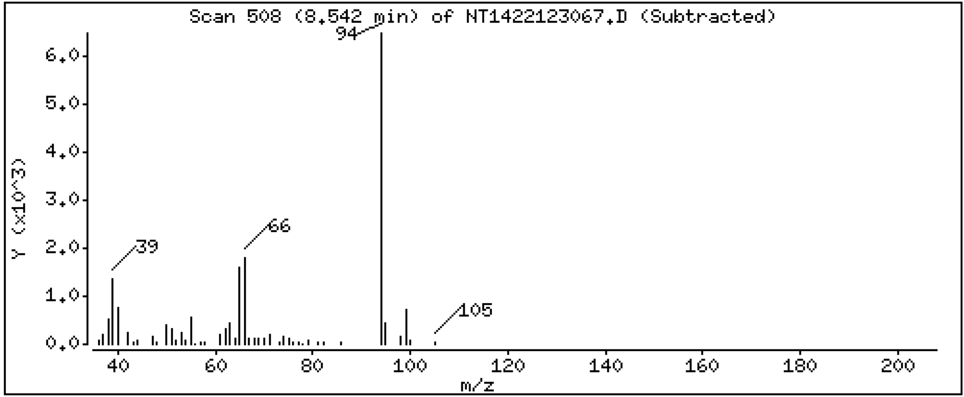
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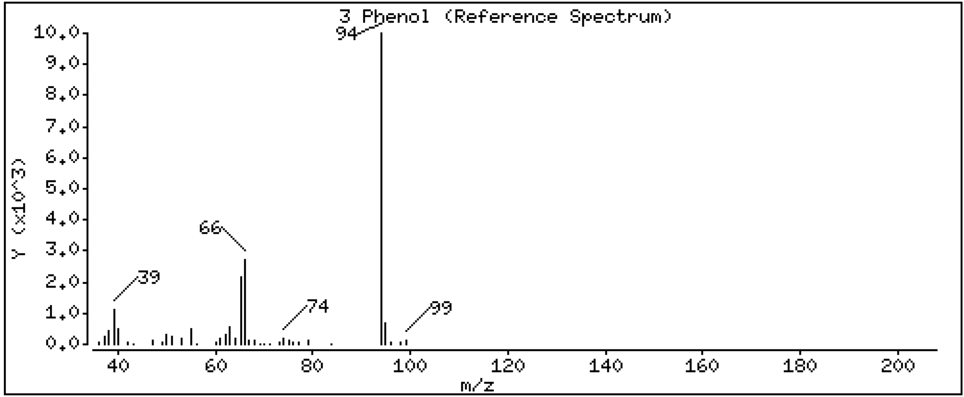
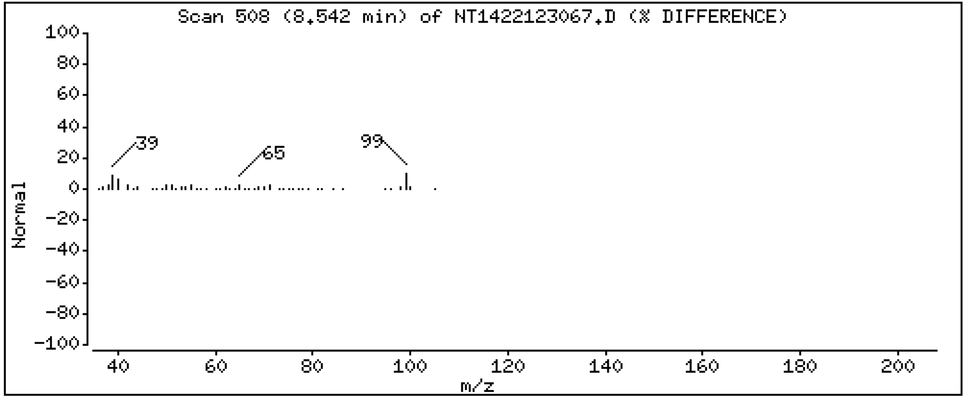

3 Phenol (Reference Spectrum)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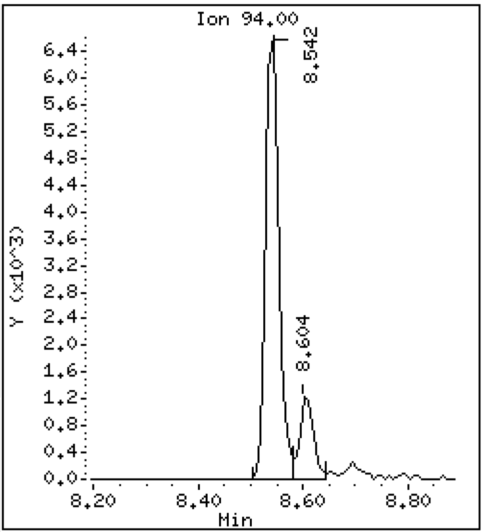
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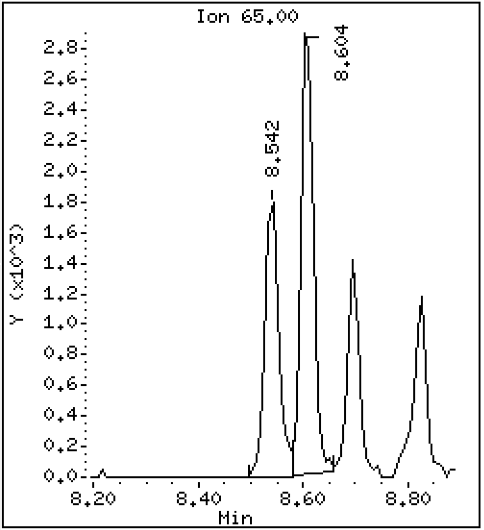
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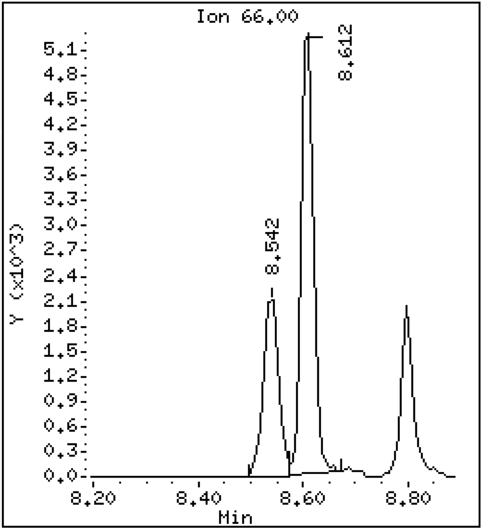
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Date : 01-JAN-2023 00:06

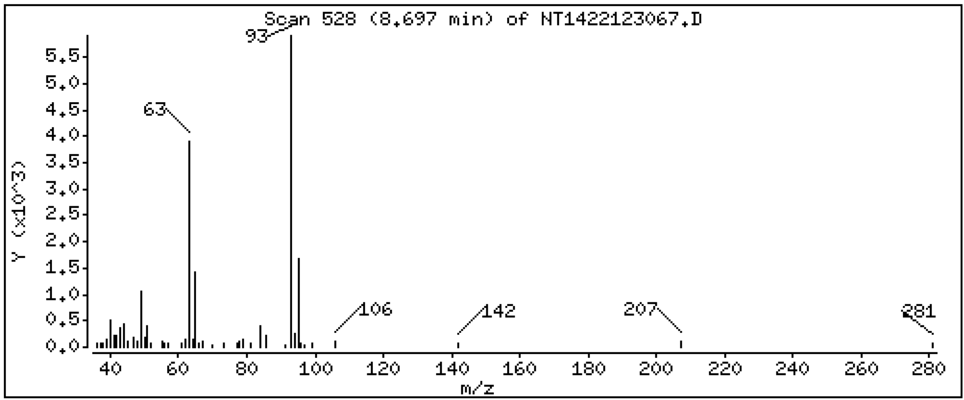
Client ID: Instrument: nt14.i

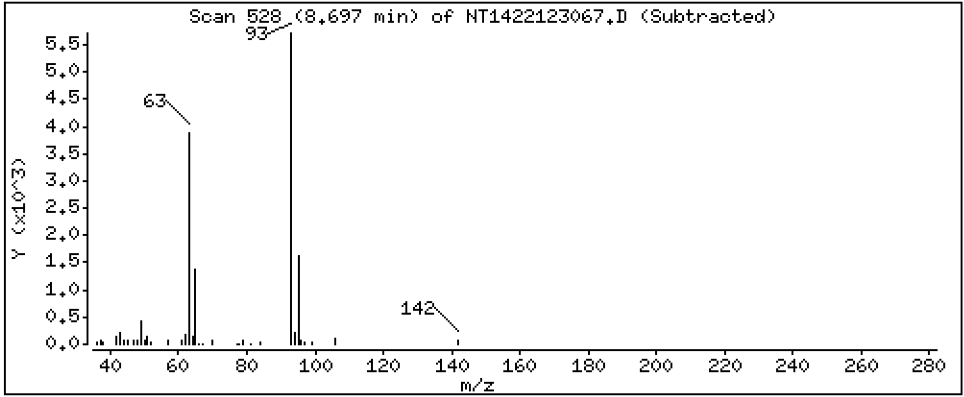
Sample Info: SKL0355-LCV3

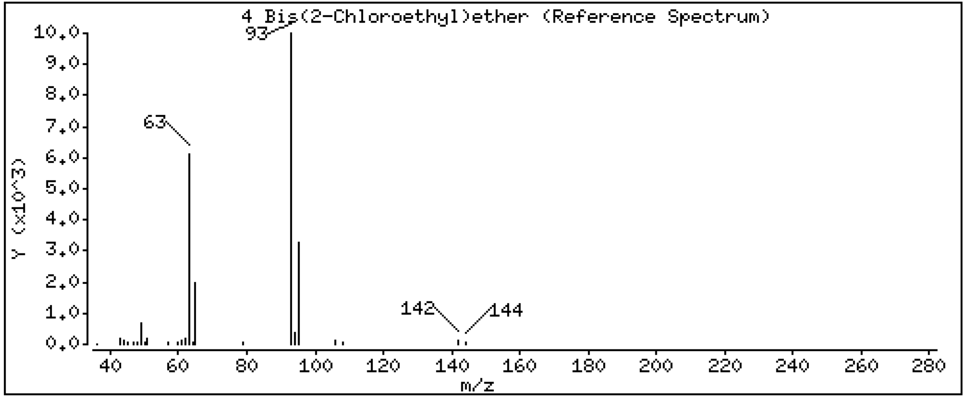
Operator: VTS

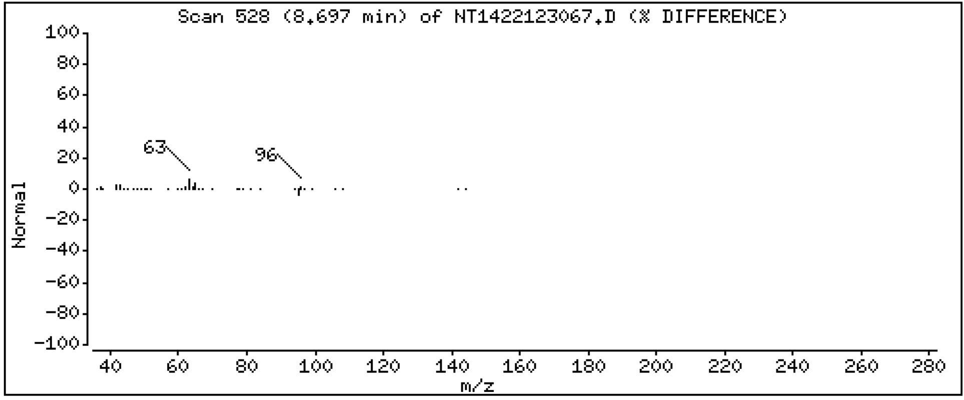
Column phase: ZB-5msi Column diameter: 0.25

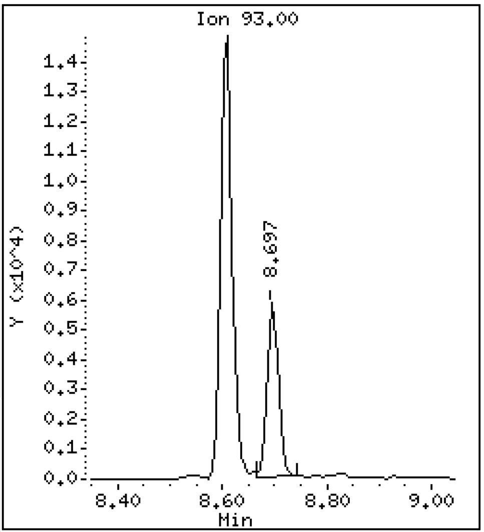
4 Bis(2-Chloroethyl)ether Concentration: 0.2393 ug/mL

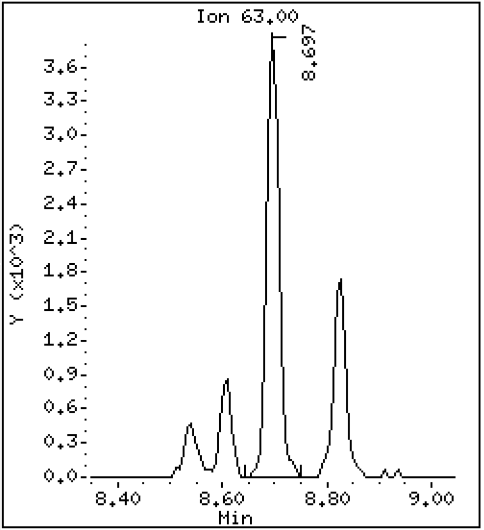


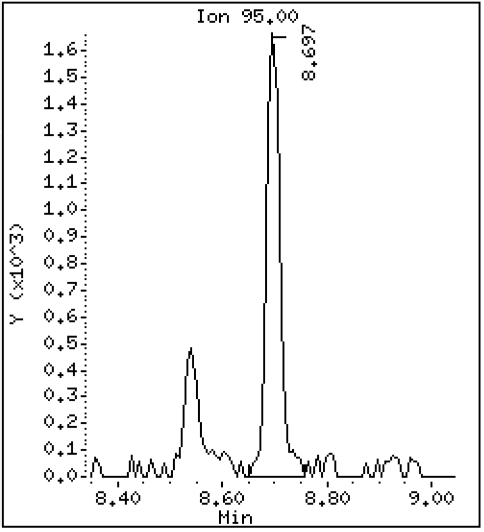












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Date : 01-JAN-2023 00:06

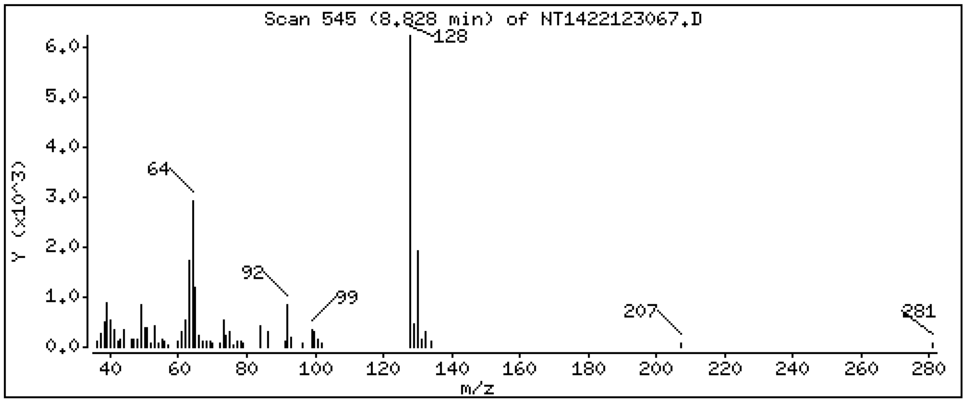
Client ID: Instrument: nt14.i

Sample Info: SKL0355-LCV3

Operator: VTS

Column phase: ZB-5msi Column diameter: 0.25

6 2-Chlorophenol Concentration: 0.2462 ug/mL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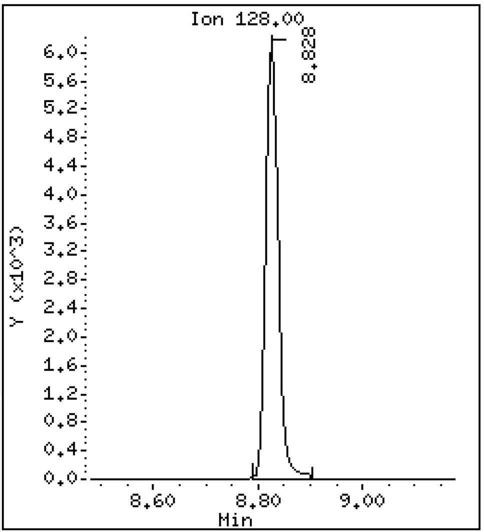
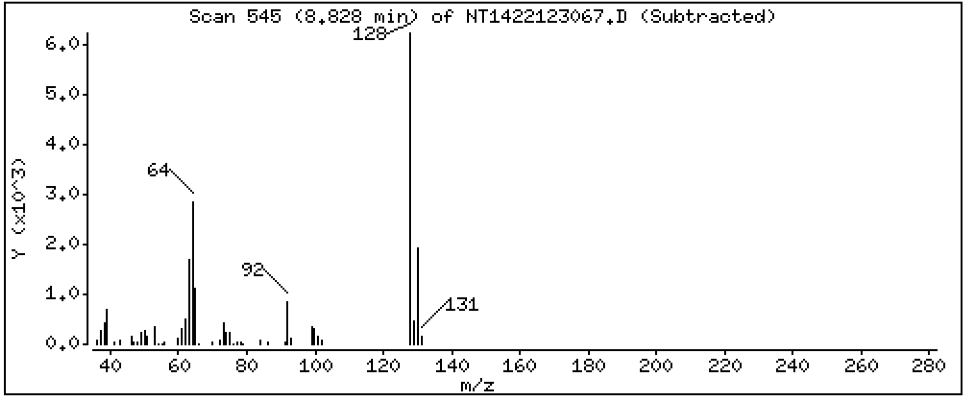
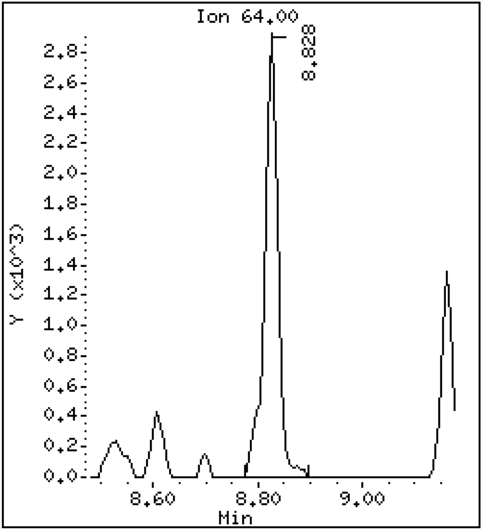

Ion 128.00


Scan 545 (8.828 min) of NT1422123067.D (Subtracted)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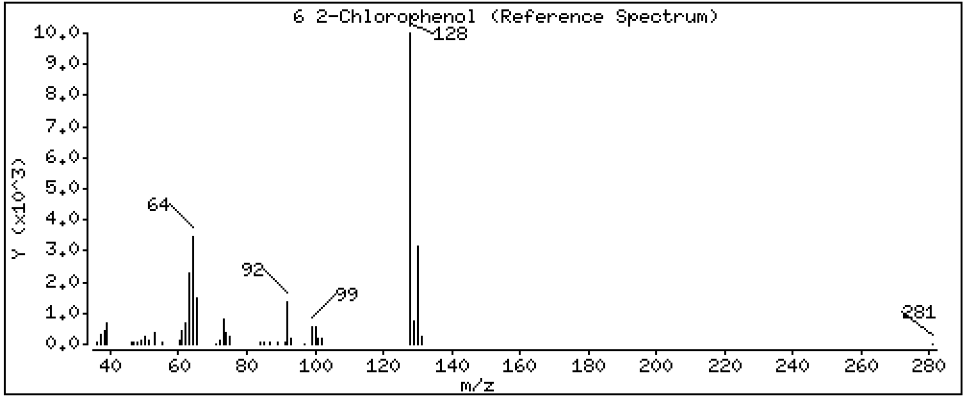
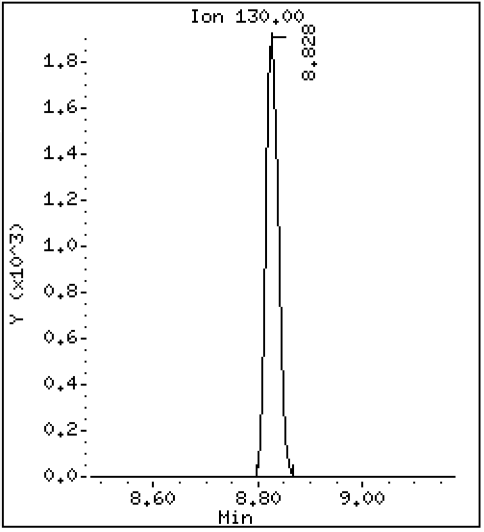

6 2-Chlorophenol (Reference Spectrum)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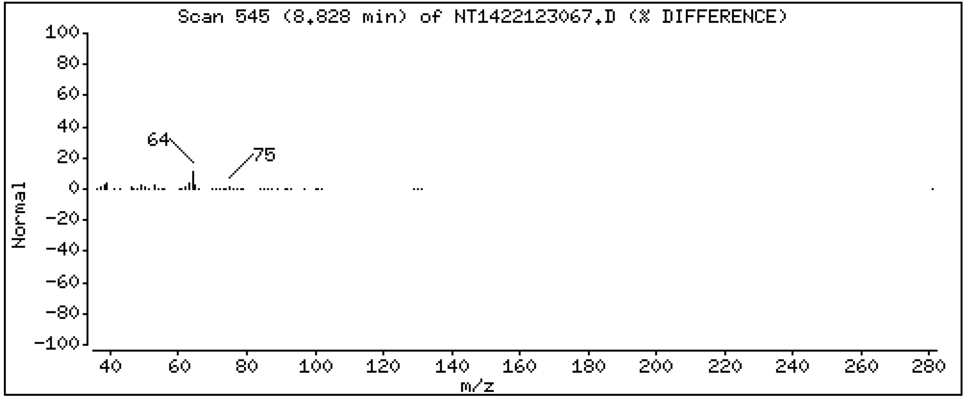
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Date : 01-JAN-2023 00:06

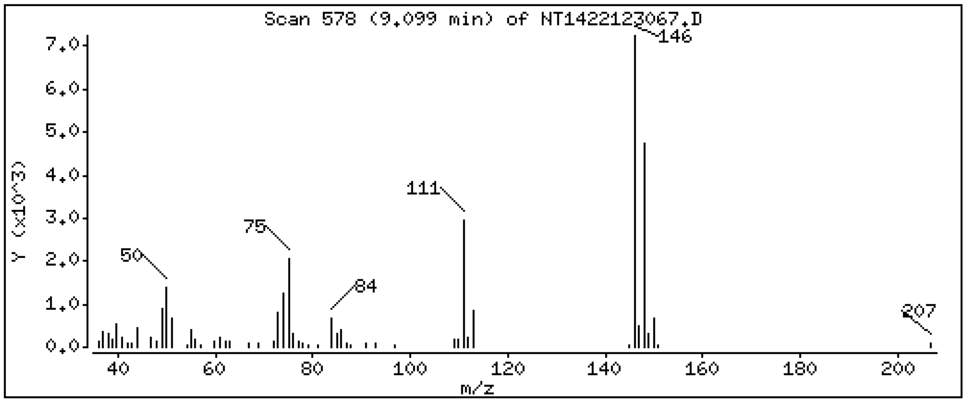
Client ID: Instrument: nt14.i

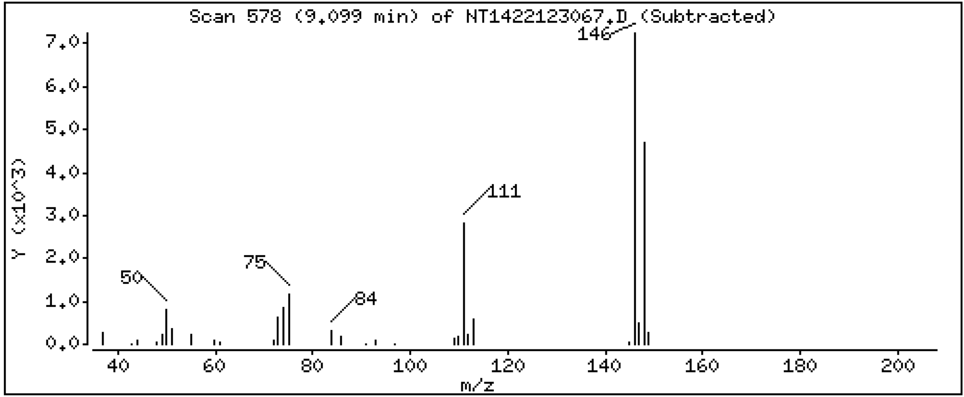
Sample Info: SKL0355-LCV3

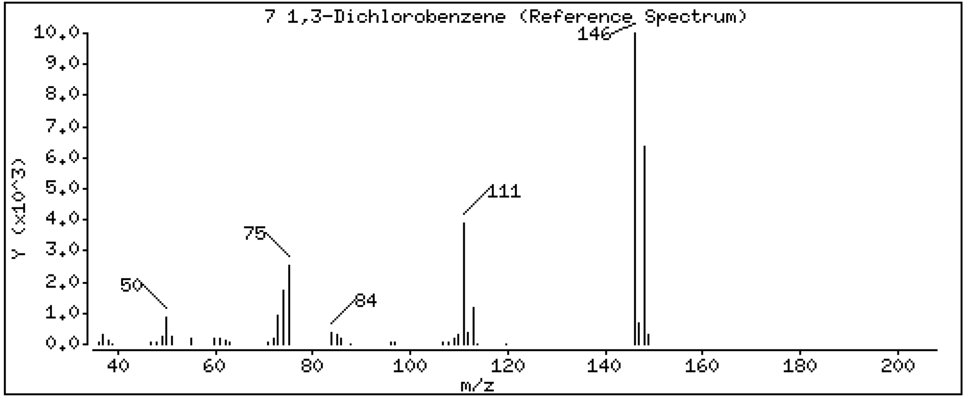
Operator: VTS

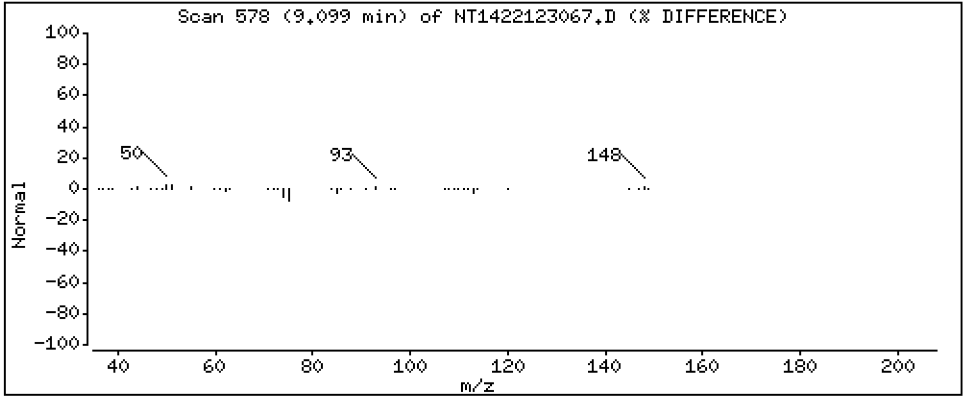
Column phase: ZB-5msi Column diameter: 0.25

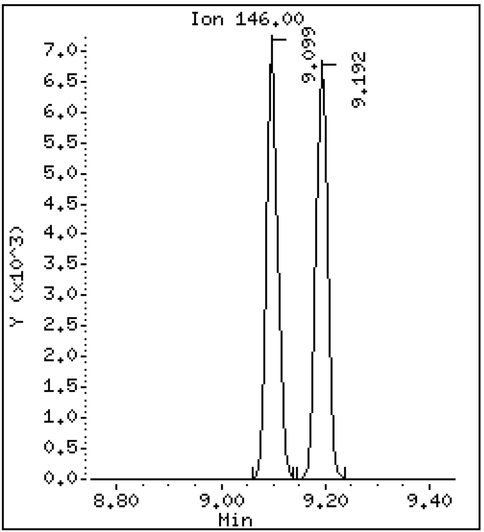
7 1,3-Dichlorobenzene Concentration: 0.2470 ug/mL

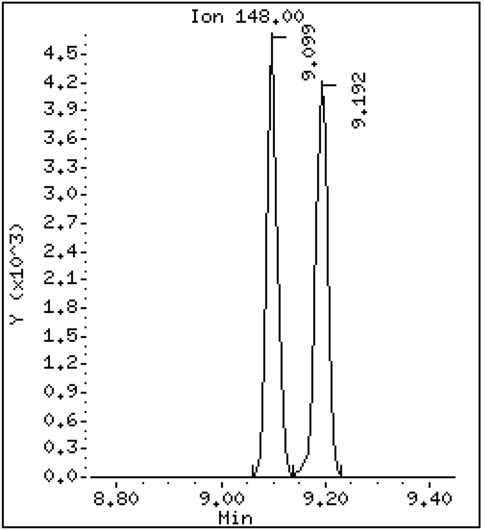


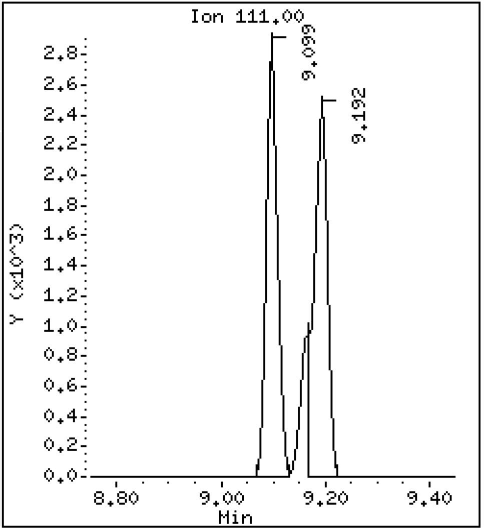












Date : 01-JAN-2023 00:06

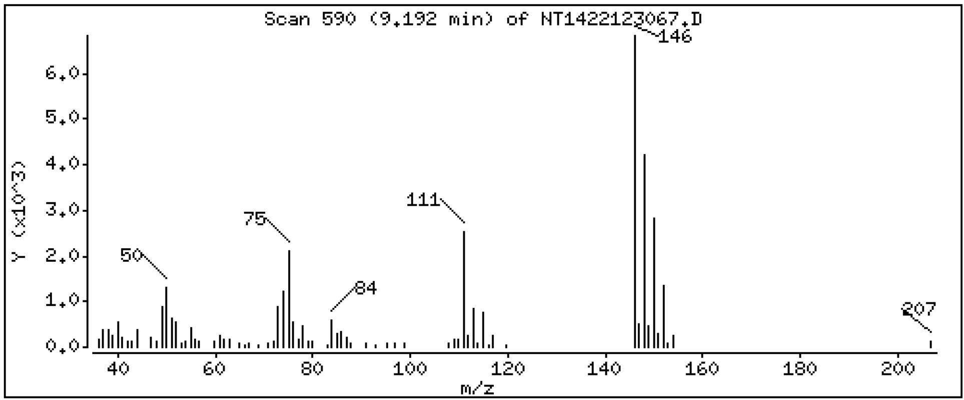
Client ID: Instrument: nt14.i

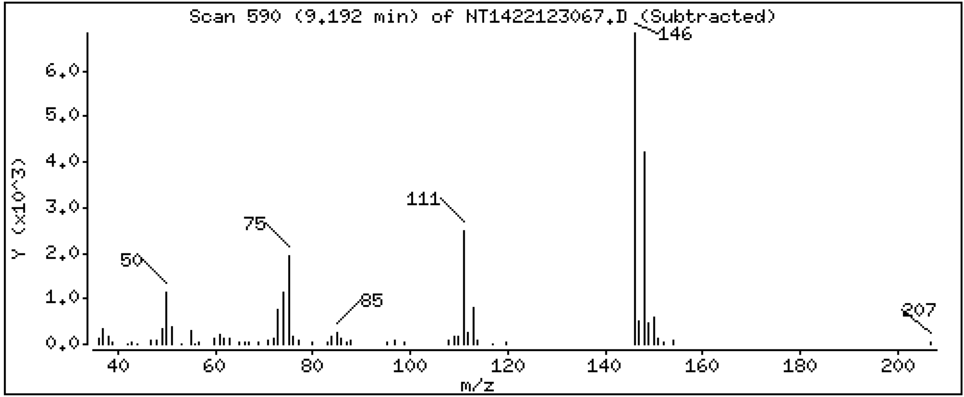
Sample Info: SKL0355-LCV3

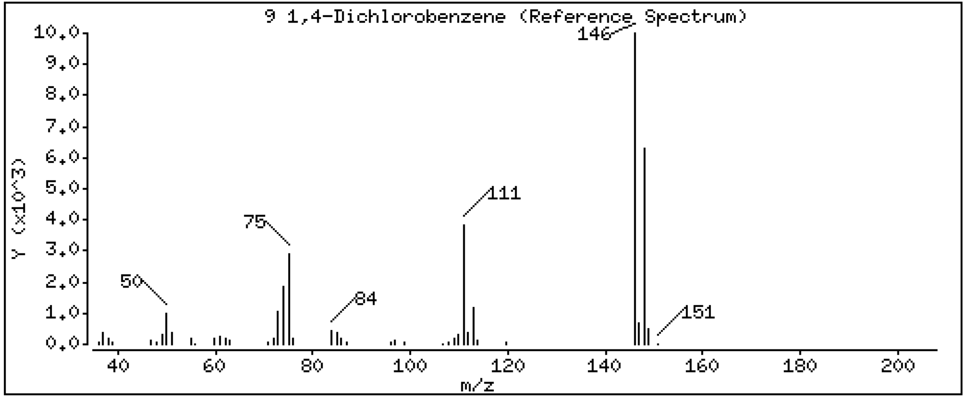
Operator: VTS

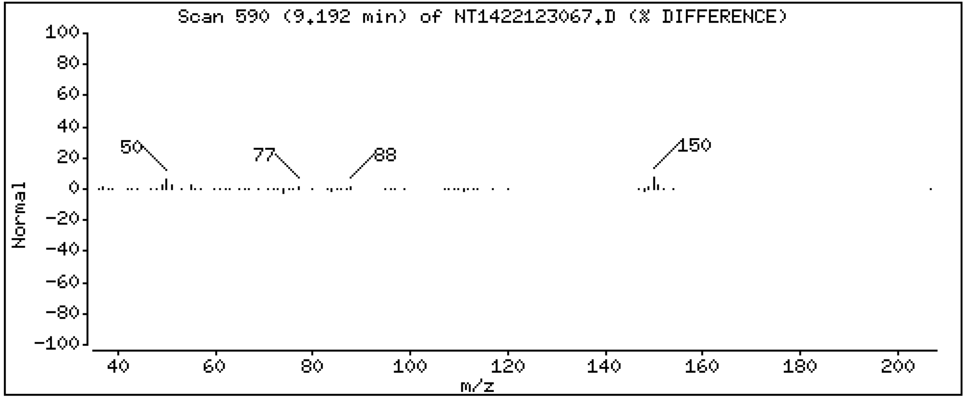
Column phase: ZB-5msi Column diameter: 0.25

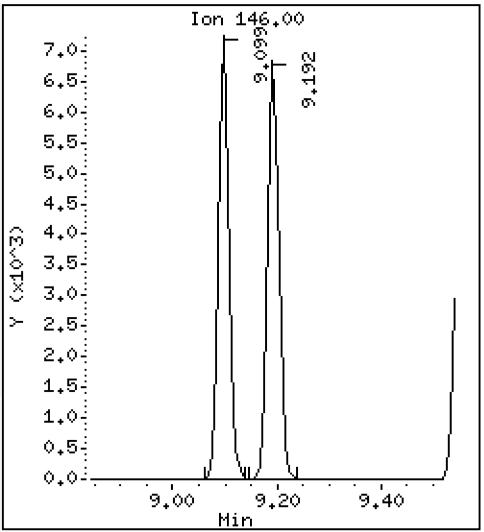
9 1,4-Dichlorobenzene Concentration: 0.2502 ug/mL

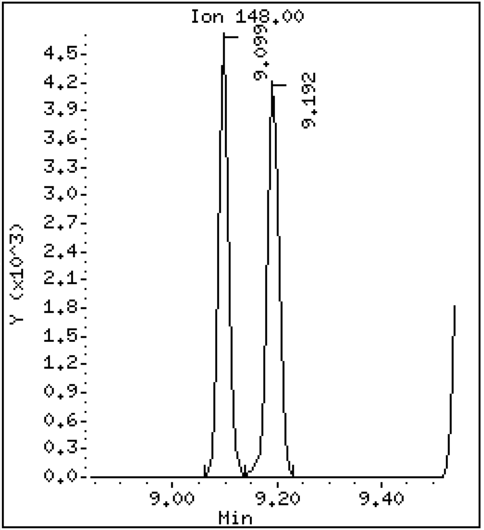


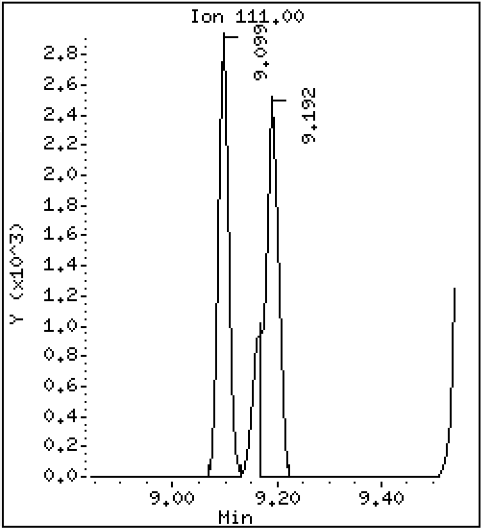












Data File: \\target\share\chem3\nt14.i\20221230C.b\NT1422123067.D

Date : 01-JAN-2023 00:06

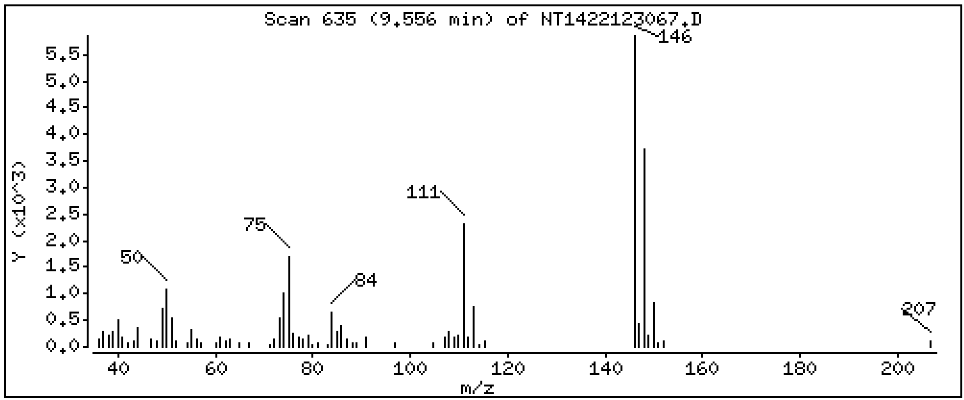
Client ID: Instrument: nt14.i

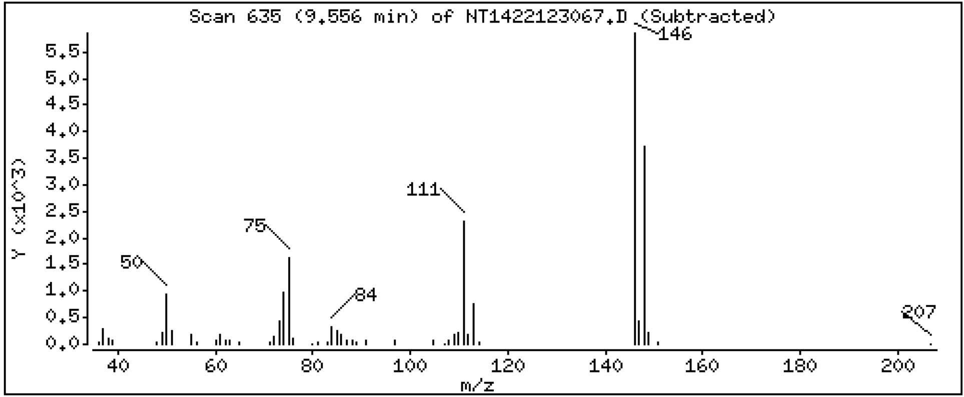
Sample Info: SKL0355-LCV3

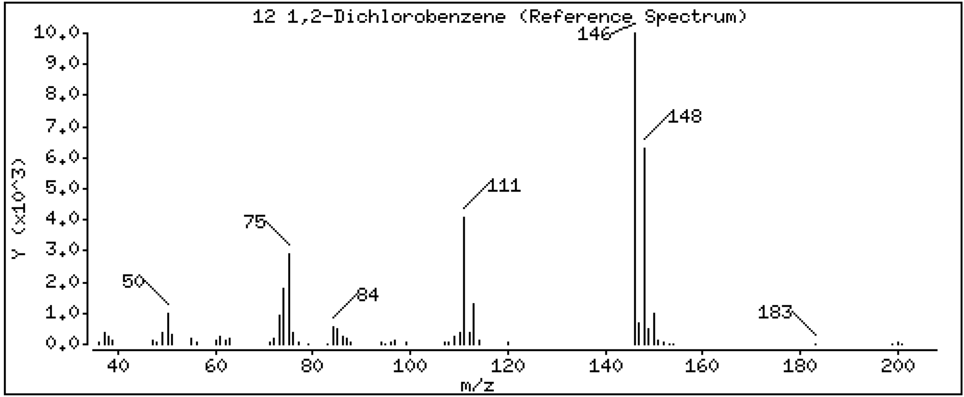
Operator: VTS

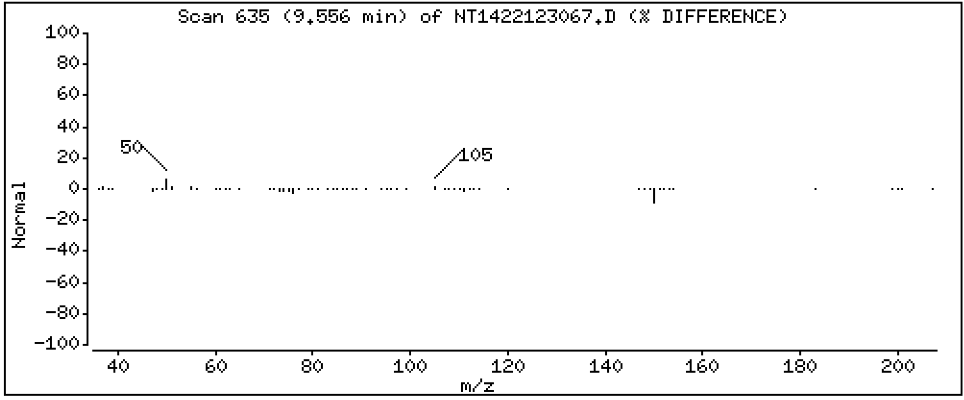
Column phase: ZB-5msi Column diameter: 0.25

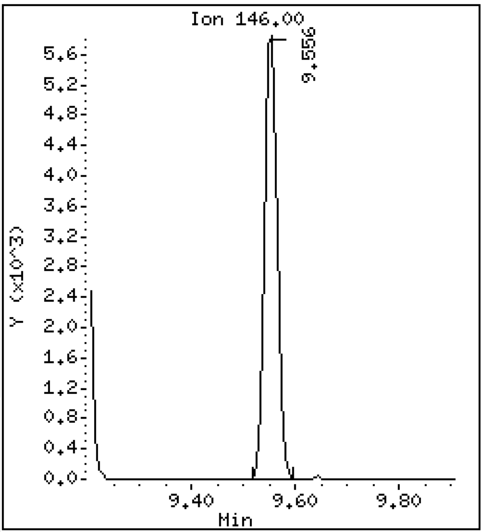
12 1,2-Dichlorobenzene Concentration: 0.2420 ug/mL

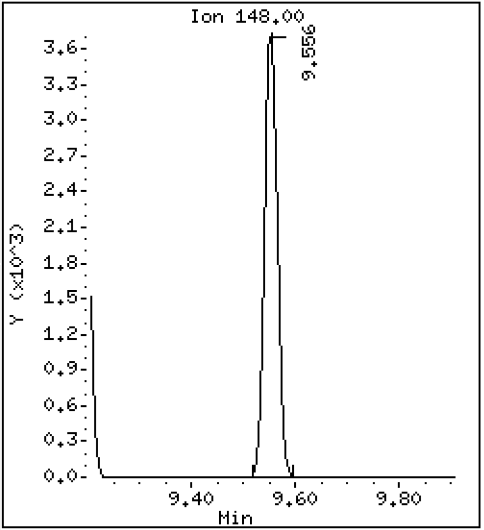

Scan 635 (9.556 min) of NT1422123067.D

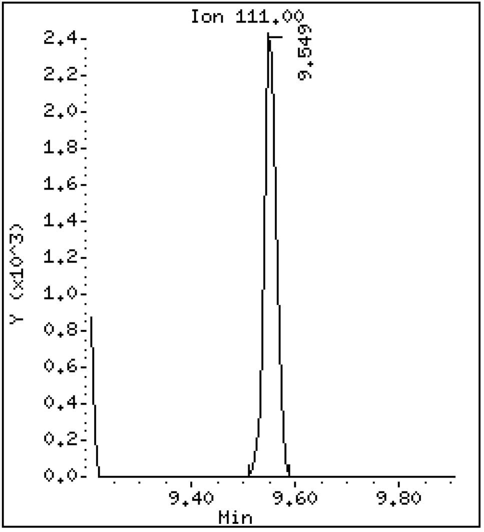

Scan 635 (9.556 min) of NT1422123067.D (Subtracted)


12 1,2-Dichlorobenzene (Reference Spectrum)


Scan 635 (9.556 min) of NT1422123067.D (% DIFFERENCE)


Ion 146.00


Ion 148.00


Ion 111.00

Data File: \\target\share\chem3\nt14.i\20221230C.b\NT1422123067.D

Date : 01-JAN-2023 00:06

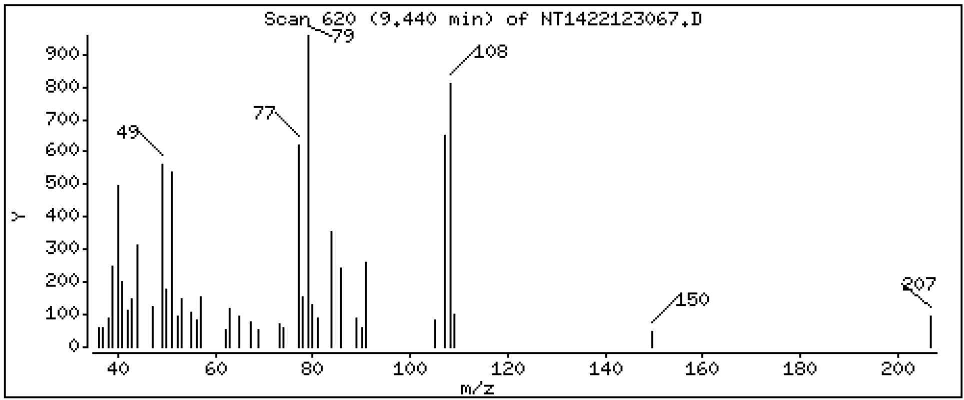
Client ID: Instrument: nt14.i

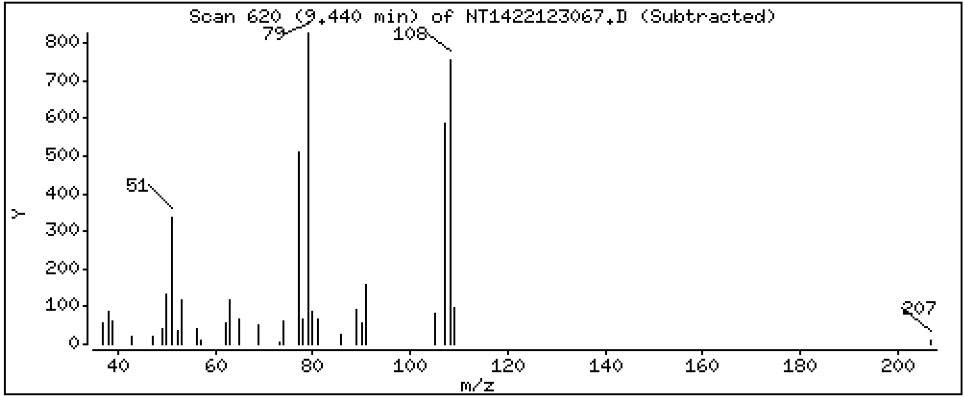
Sample Info: SKL0355-LCV3

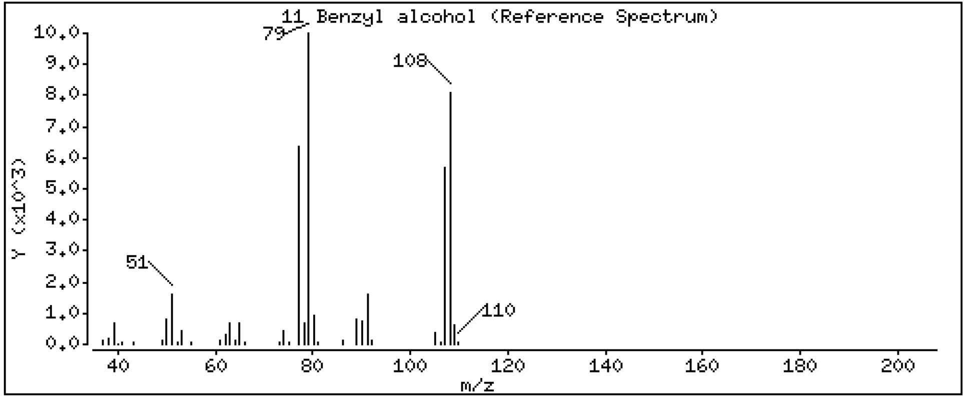
Operator: VTS

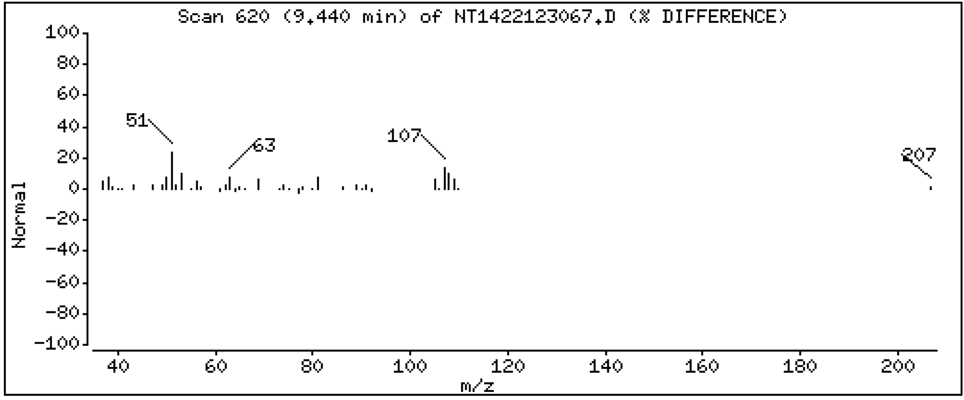
Column phase: ZB-5msi Column diameter: 0.25

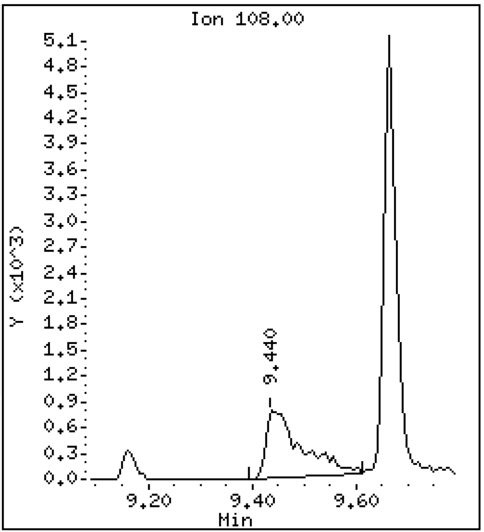
11 Benzyl alcohol Concentration: 0.1653 ug/mL

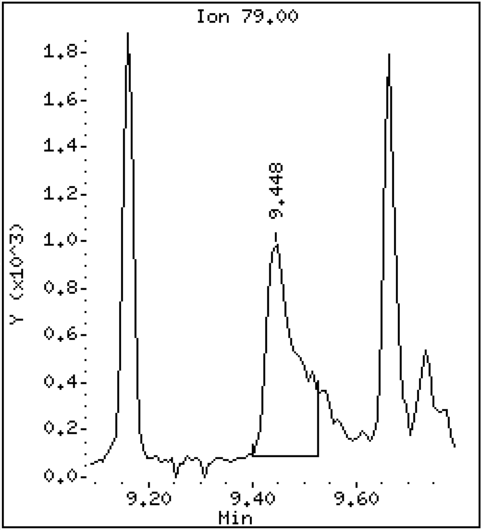

Scan 620 (9.440 min) of NT1422123067.D


Scan 620 (9.440 min) of NT1422123067.D (Subtracted)


11 Benzyl alcohol (Reference Spectrum)


Scan 620 (9.440 min) of NT1422123067.D (% DIFFERENCE)


Ion 108.00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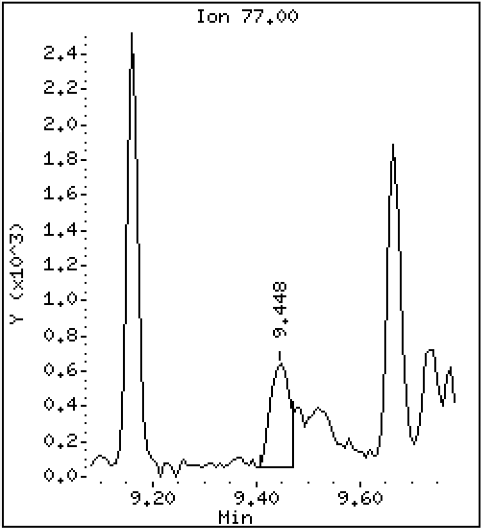

Ion 77.00

Data File: \\target\share\chem3\nt14.i\20221230C.b\NT1422123067.D

Date : 01-JAN-2023 00:06

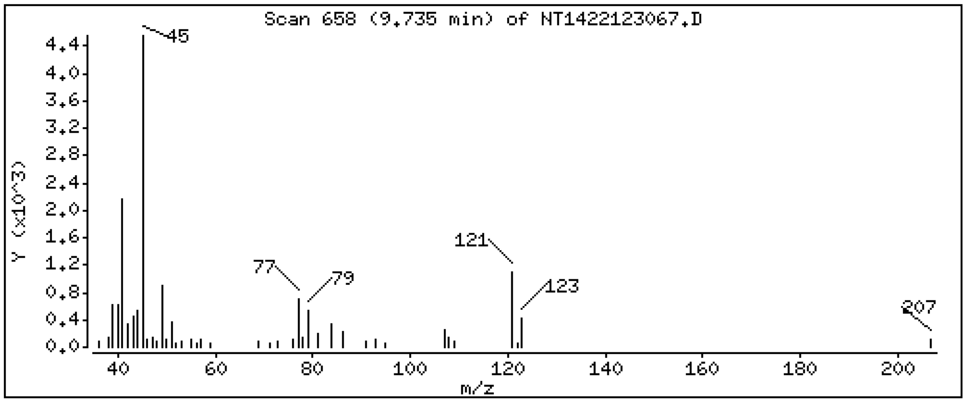
Client ID: Instrument: nt14.i

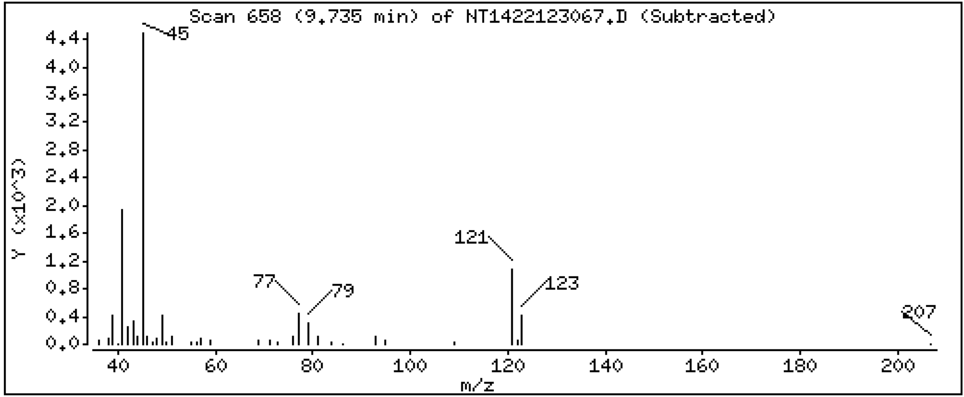
Sample Info: SKL0355-LCV3

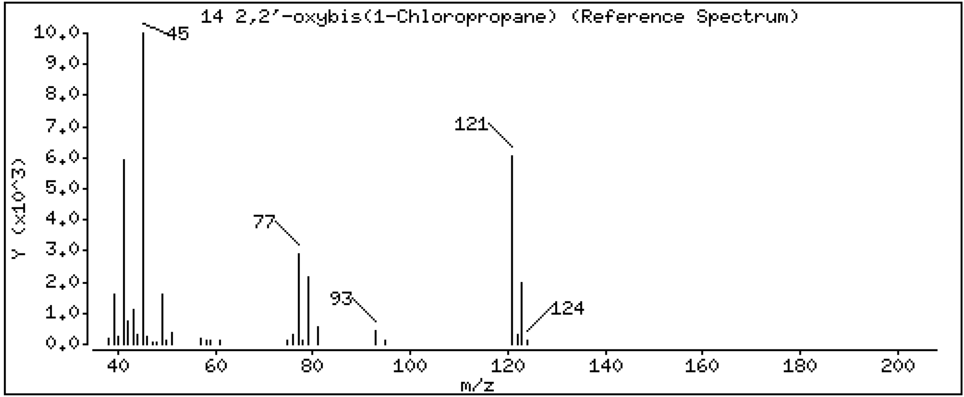
Operator: VTS

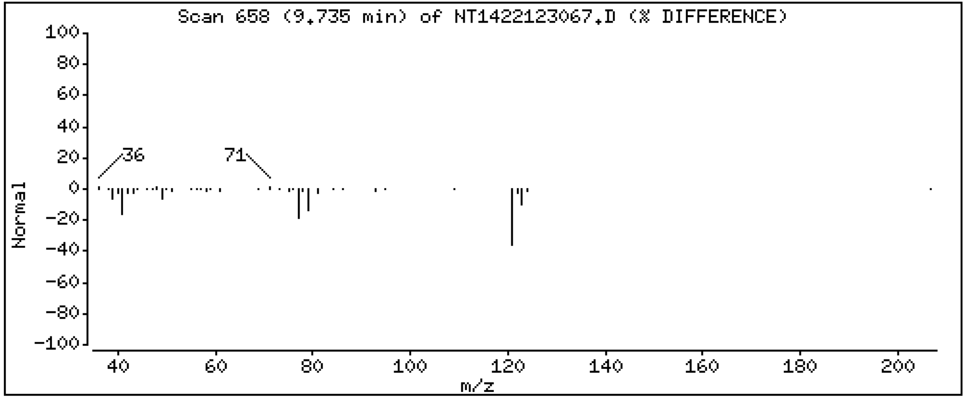
Column phase: ZB-5msi Column diameter: 0.25

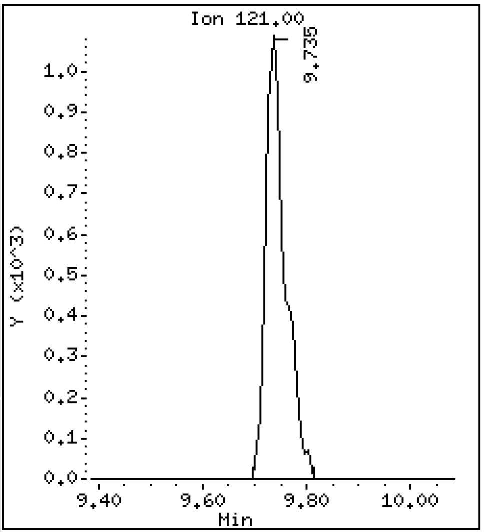
14 2,2'-oxybis(1-Chloropropane) Concentration: 0.2430 ug/mL

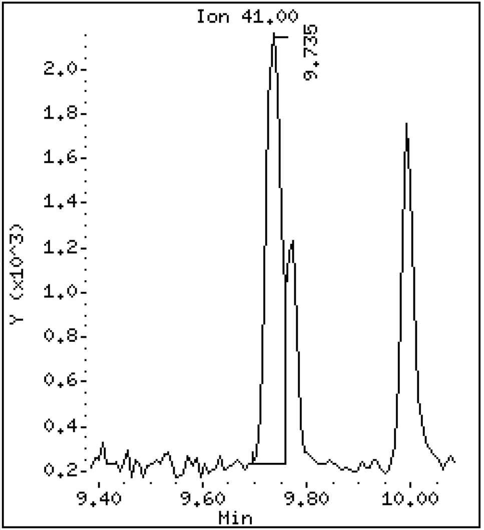

Scan 658 (9.735 min) of NT1422123067.D

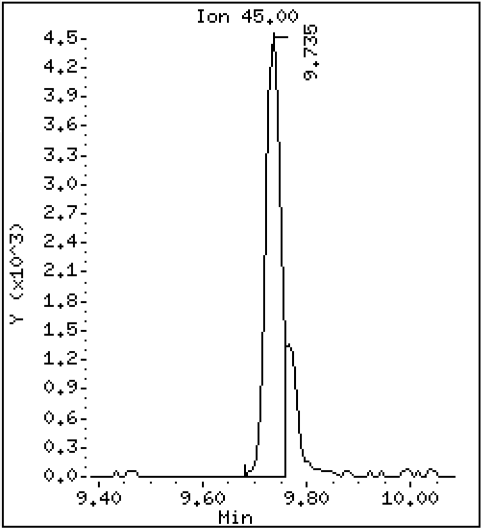

Scan 658 (9.735 min) of NT1422123067.D (Subtracted)


14 2,2'-oxybis(1-Chloropropane) (Reference Spectrum)


Scan 658 (9.735 min) of NT1422123067.D (% DIFFERENCE)


Ion 121.00


Ion 41.00


Ion 45.00

Data File: \\target\share\chem3\nt14.i\20221230C.b\NT1422123067.D

Date : 01-JAN-2023 00:06

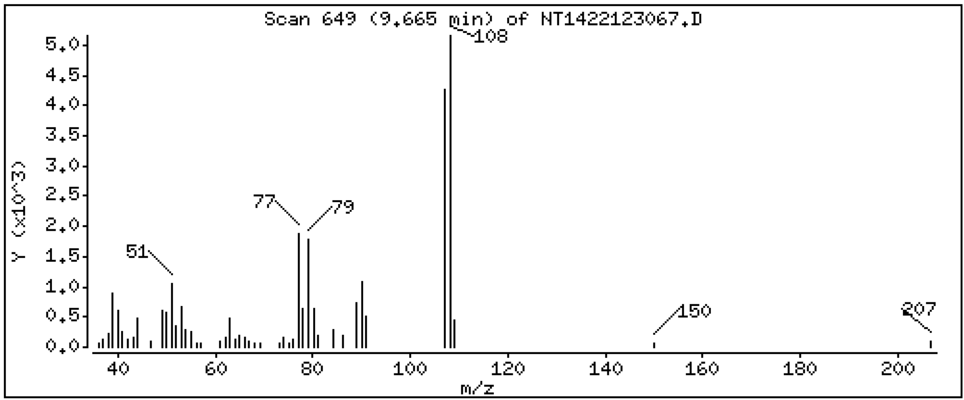
Client ID: Instrument: nt14.i

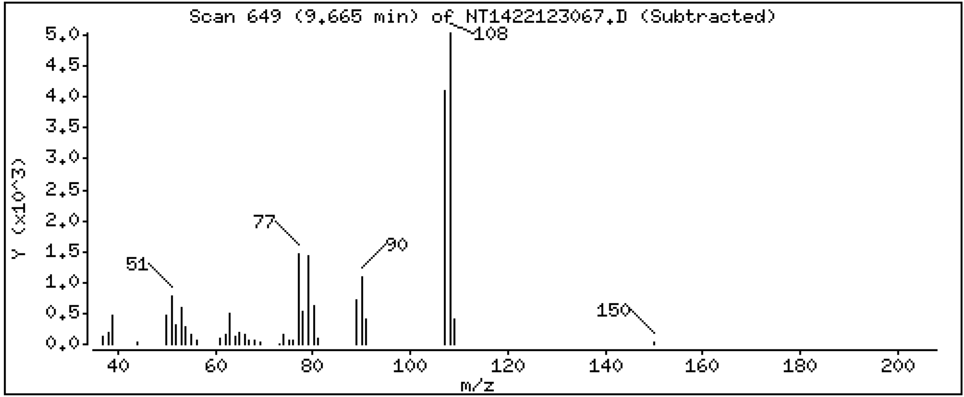
Sample Info: SKL0355-LCV3

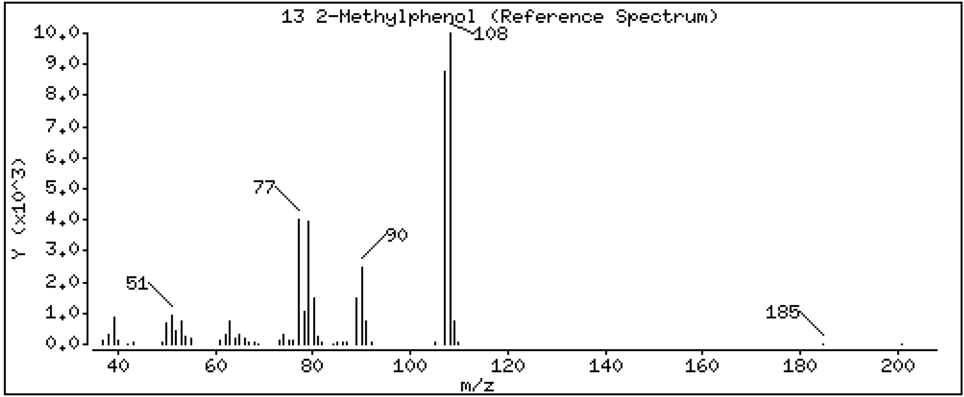
Operator: VTS

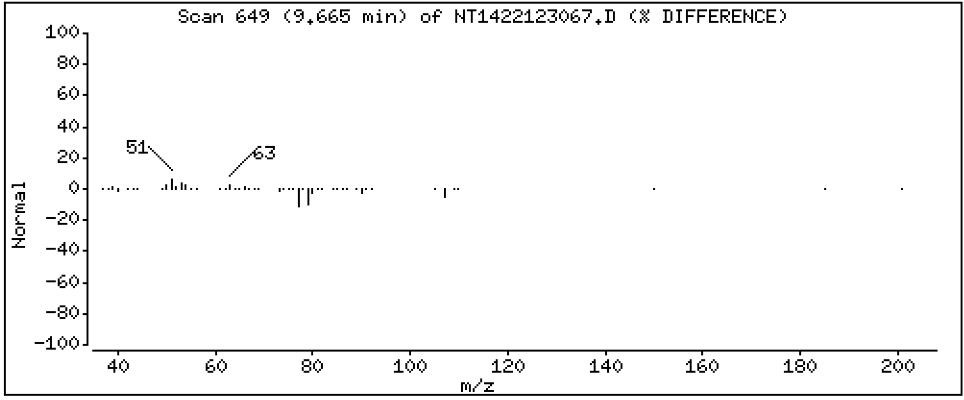
Column phase: ZB-5msi Column diameter: 0.25

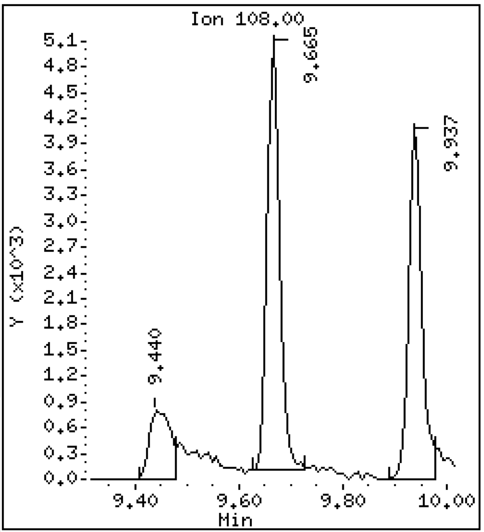
13 2-Methylphenol Concentration: 0.2207 ug/mL

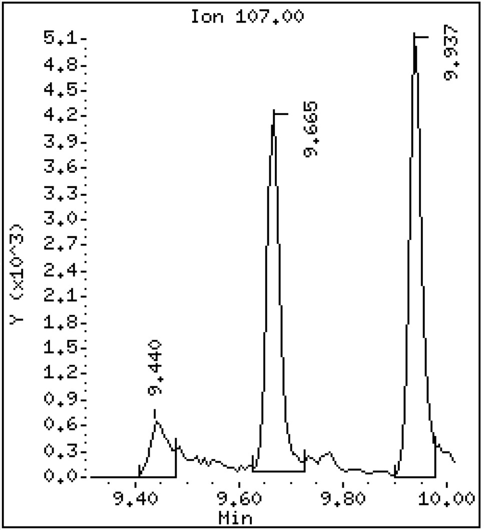

Scan 649 (9.665 min) of NT1422123067.D


Scan 649 (9.665 min) of NT1422123067.D (Subtracted)


13 2-Methylphenol (Reference Spectrum)


Scan 649 (9.665 min) of NT1422123067.D (% DIFFERENCE)


Ion 108.00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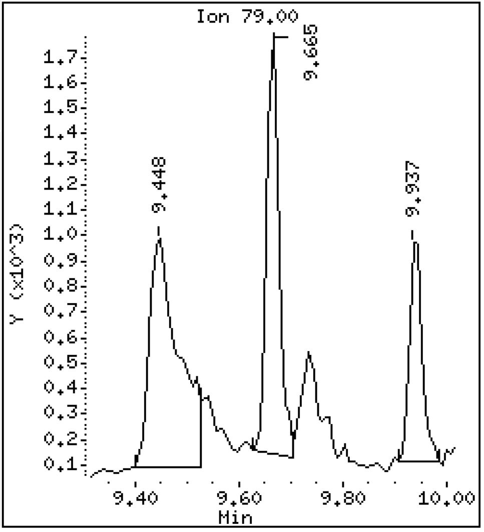

Ion 79.00

Date : 01-JAN-2023 00:06

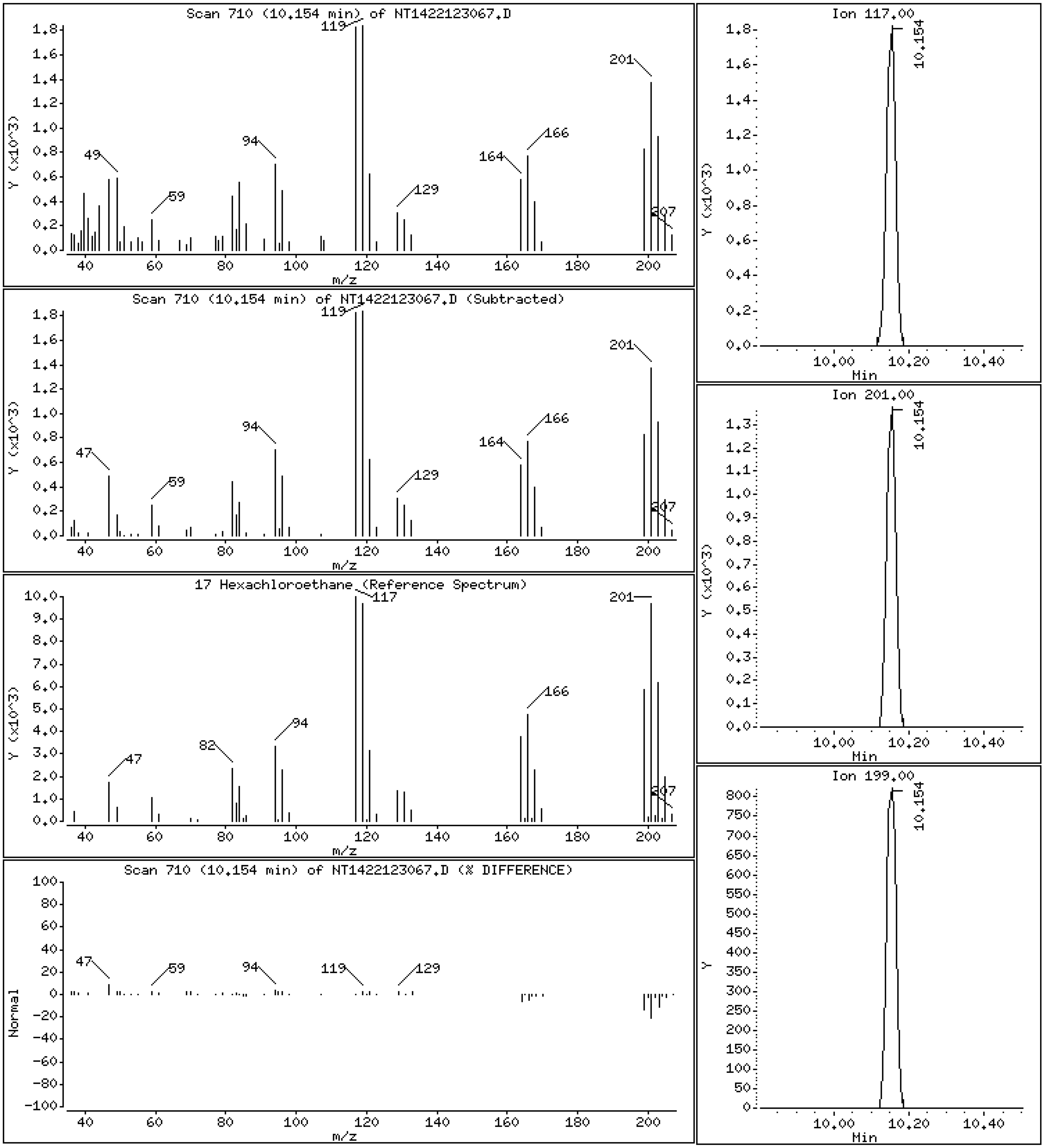
Client ID: Instrument: nt14.i

Sample Info: SKL0355-LCV3

Operator: VTS

Column phase: ZB-5msi Column diameter: 0.25

17 Hexachloroethane Concentration: 0.1979 ug/mL



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Date : 01-JAN-2023 00:06

Client ID:

Instrument: nt14.i

Sample Info: SKL0355-LCV3

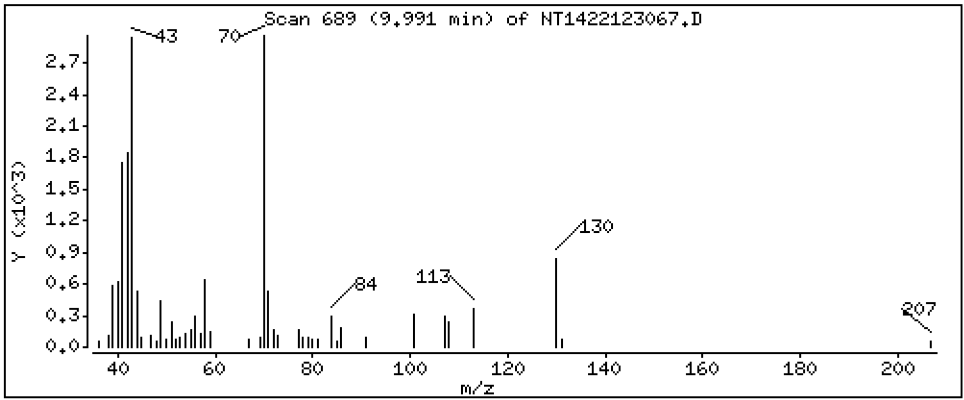
Operator: VTS

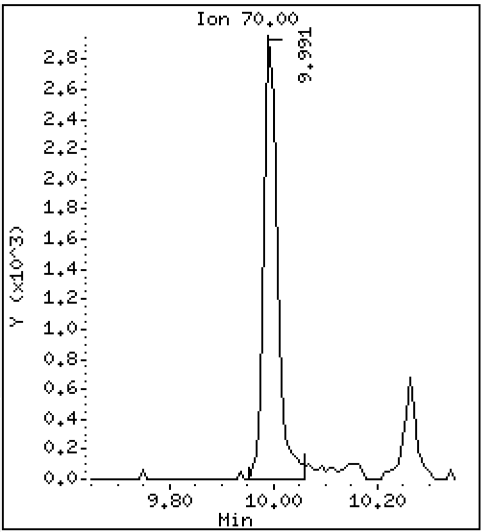
Column phase: ZB-5msi

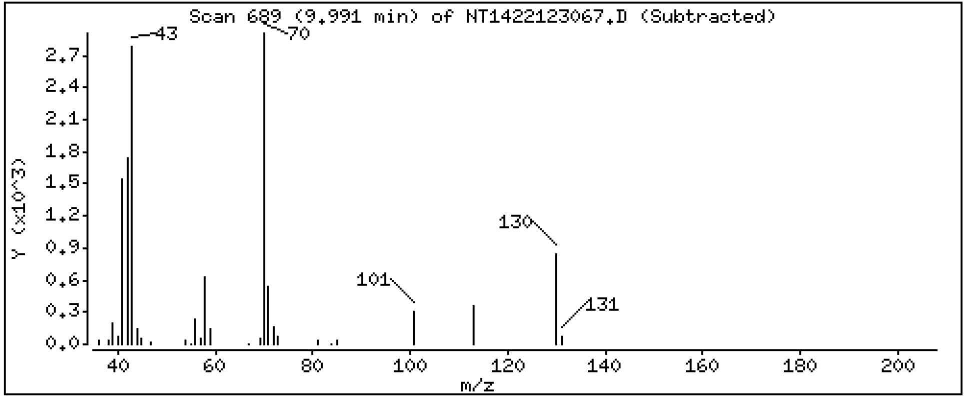
Column diameter: 0.25

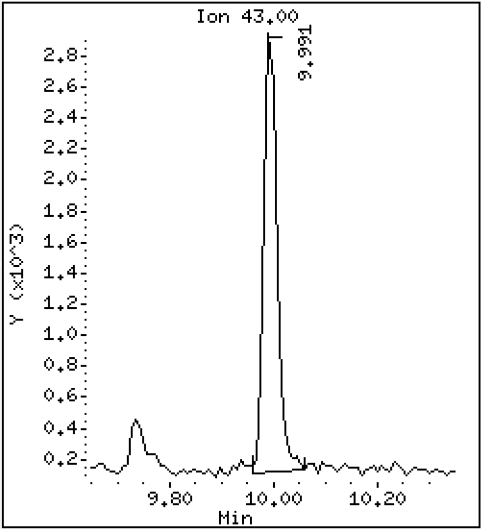
16 N-Nitroso-di-n-propylamine

Concentration: 0.2352 ug/mL


Scan 689 (9.991 min) of NT1422123067.D


Ion 70.00


Scan 689 (9.991 min) of NT1422123067.D (Subtracted)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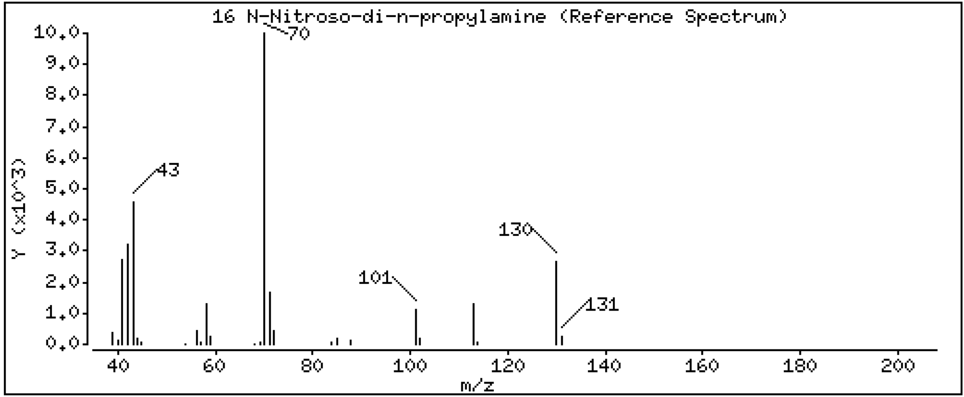
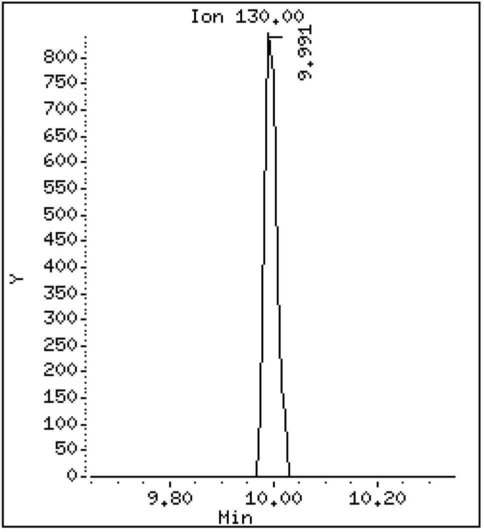
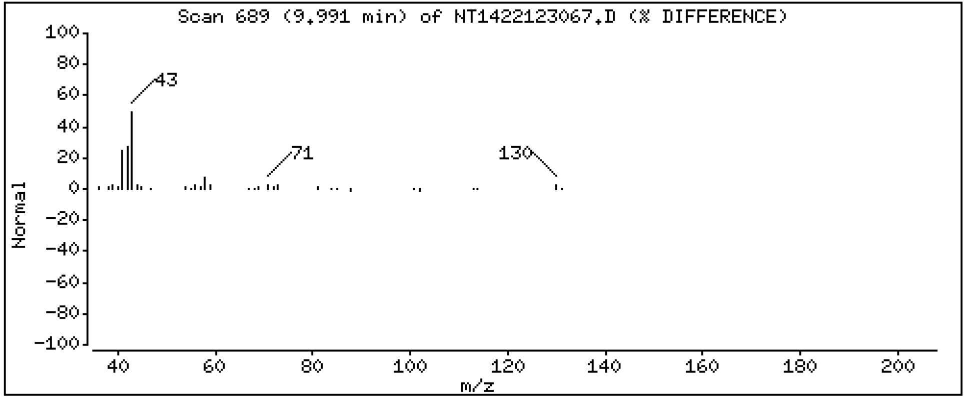

16 N-Nitroso-di-n-propylamine (Reference Spectrum)


Ion 130.00


Scan 689 (9.991 min) of NT1422123067.D (% DIFFERENCE)

Data File: \\target\share\chem3\nt14.i\20221230C.b\NT1422123067.D

Date : 01-JAN-2023 00:06

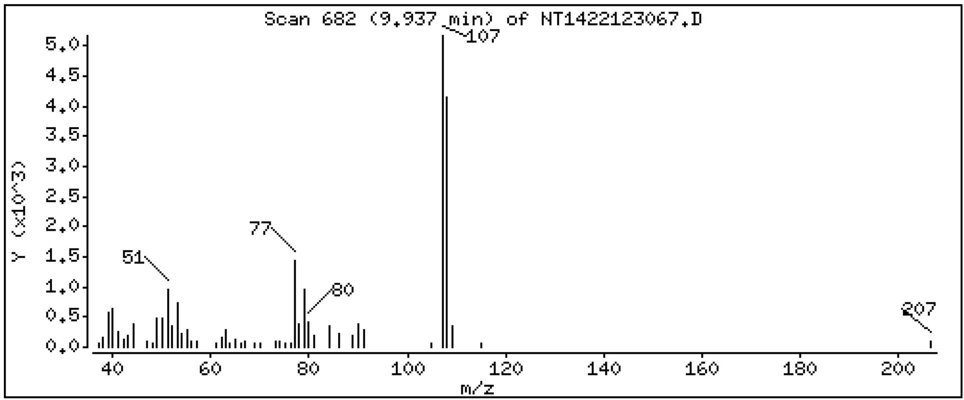
Client ID: Instrument: nt14.i

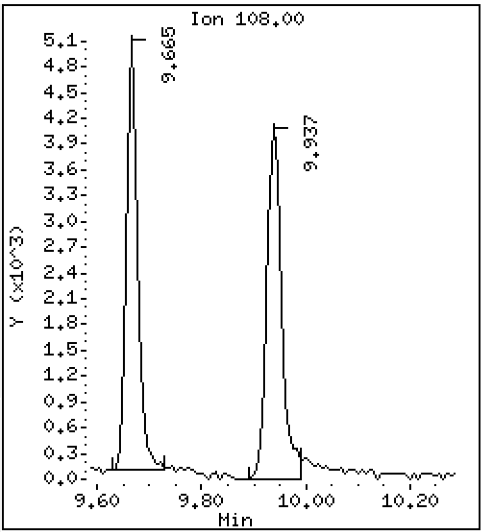
Sample Info: SKL0355-LCV3

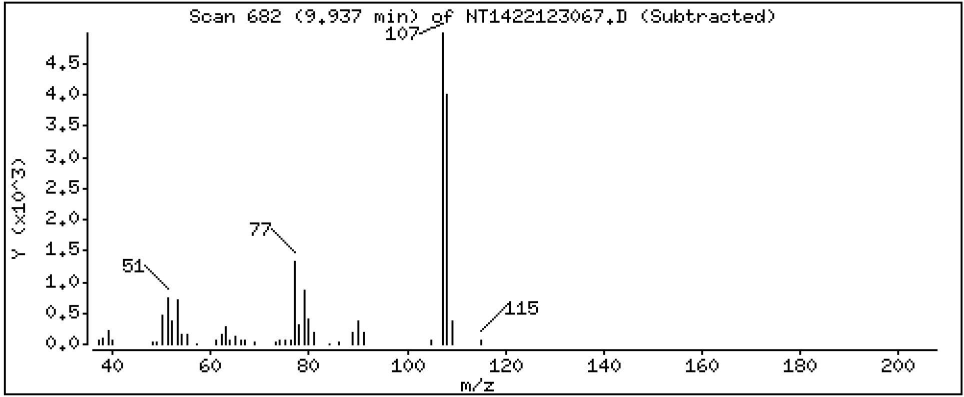
Operator: VTS

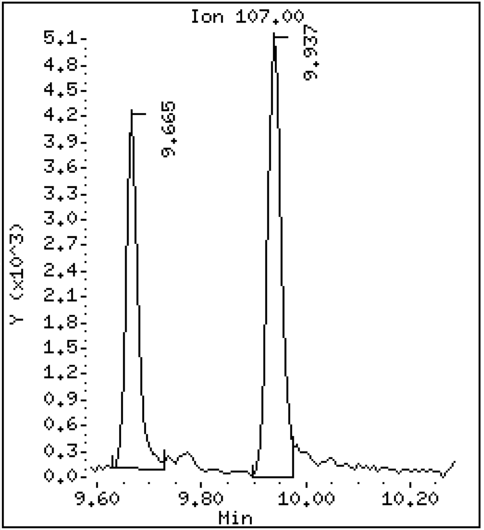
Column phase: ZB-5msi Column diameter: 0.25

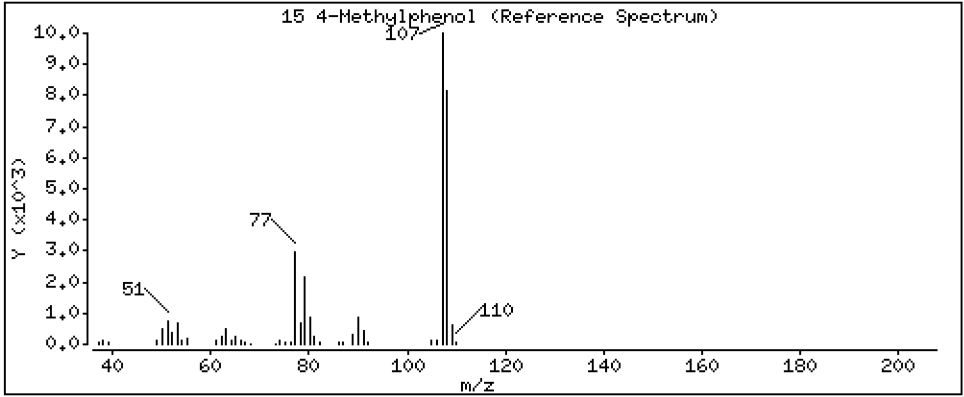
15 4-Methylphenol Concentration: 0.2079 ug/mL

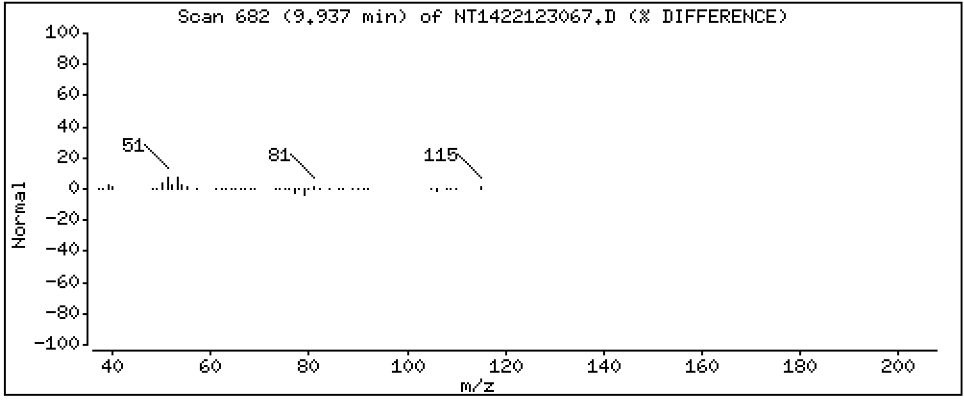


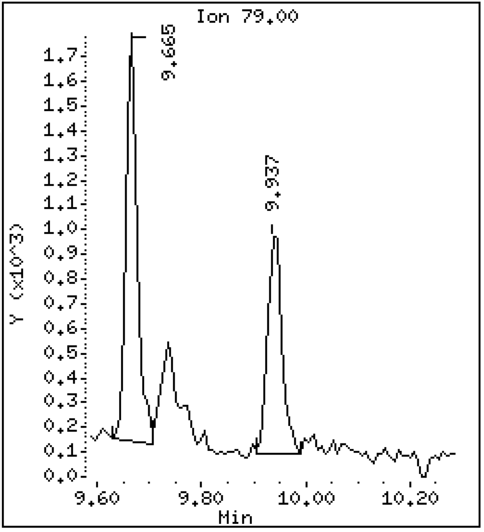












Data File: \\target\share\chem3\nt14.i\20221230C.b\NT1422123067.D

Date : 01-JAN-2023 00:06

Client ID:

Instrument: nt14.i

Sample Info: SKL0355-LCV3

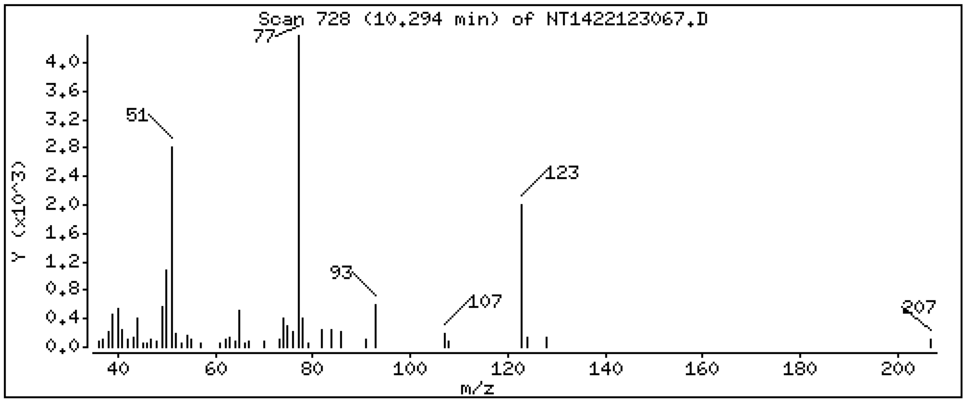
Operator: VTS

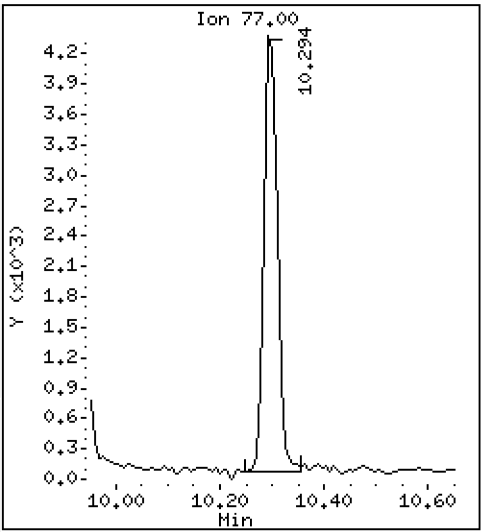
Column phase: ZB-5msi

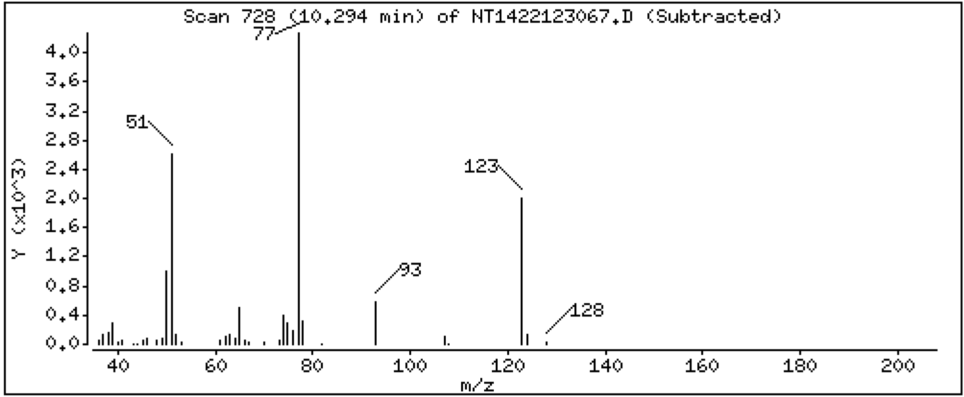
Column diameter: 0.25

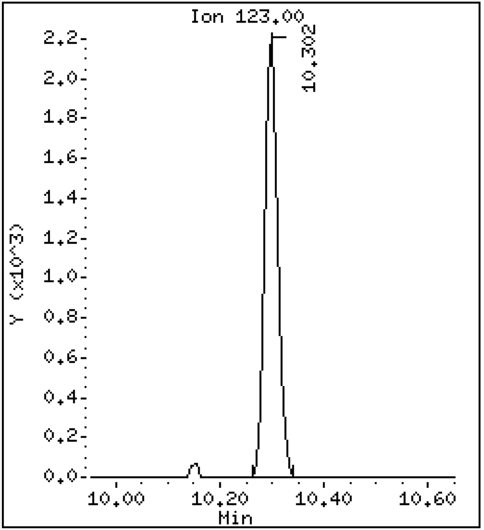
19 Nitrobenzene

Concentration: 0.2230 ug/mL


Scan 728 (10.294 min) of NT1422123067.D


Ion 77.00


Scan 728 (10.294 min) of NT1422123067.D (Subtracted)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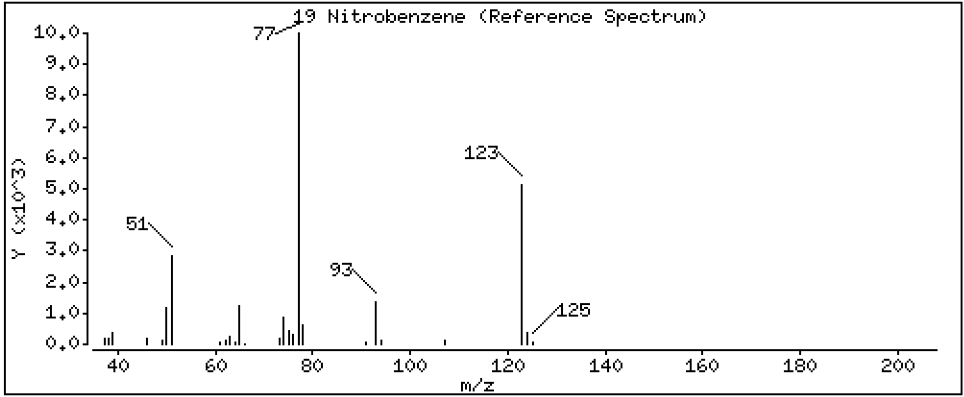
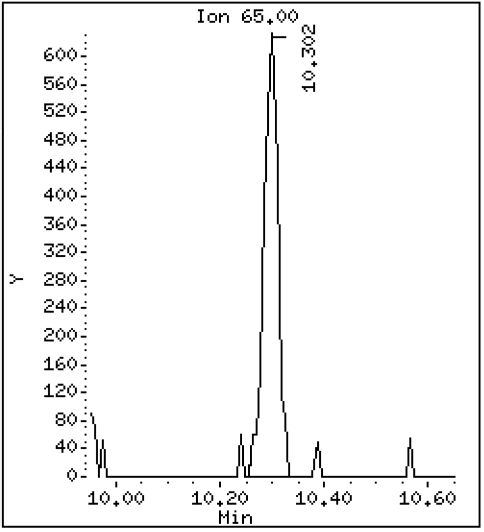

19 Nitrobenzene (Reference Spectrum)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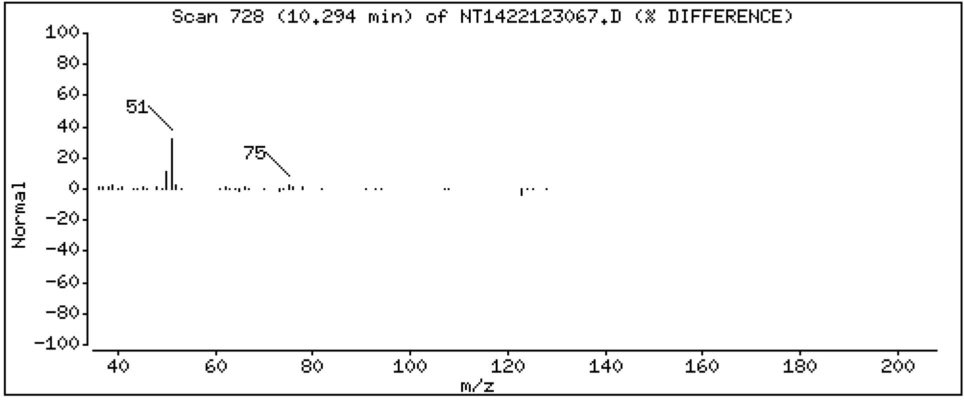

Scan 728 (10.294 min) of NT1422123067.D (% DIFFERENCE)

Data File: \\target\share\chem3\nt14.i\20221230C.b\NT1422123067.D

Date : 01-JAN-2023 00:06

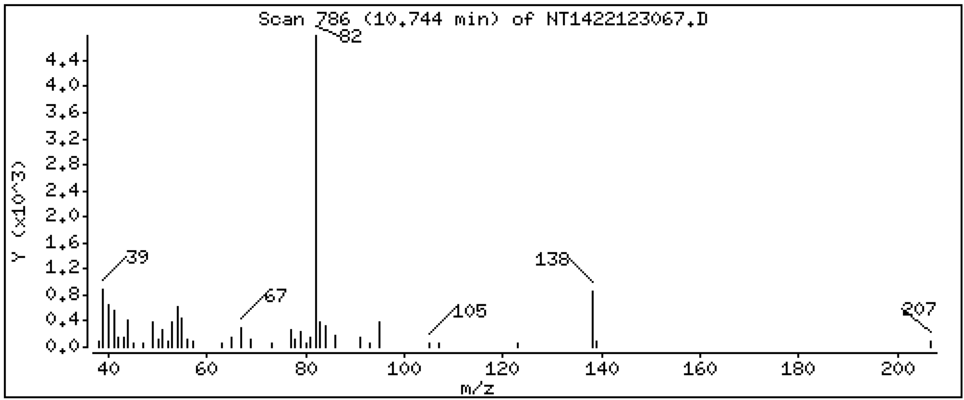
Client ID: Instrument: nt14.i

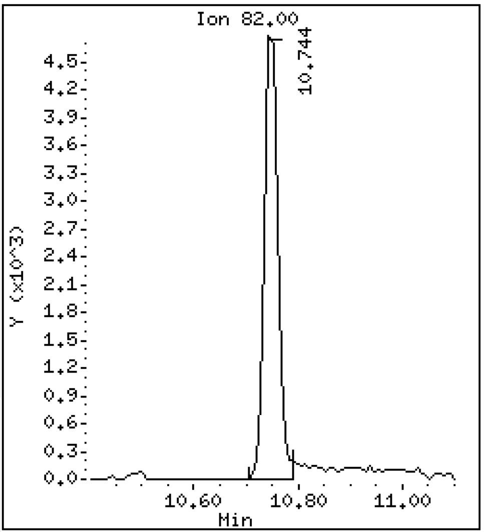
Sample Info: SKL0355-LCV3

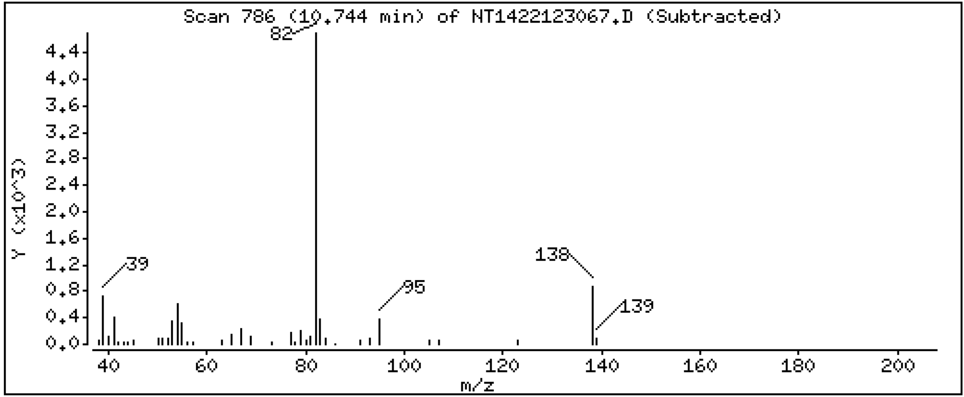
Operator: VTS

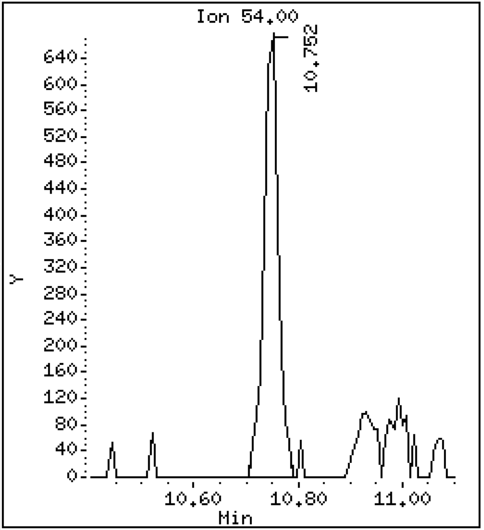
Column phase: ZB-5msi Column diameter: 0.25

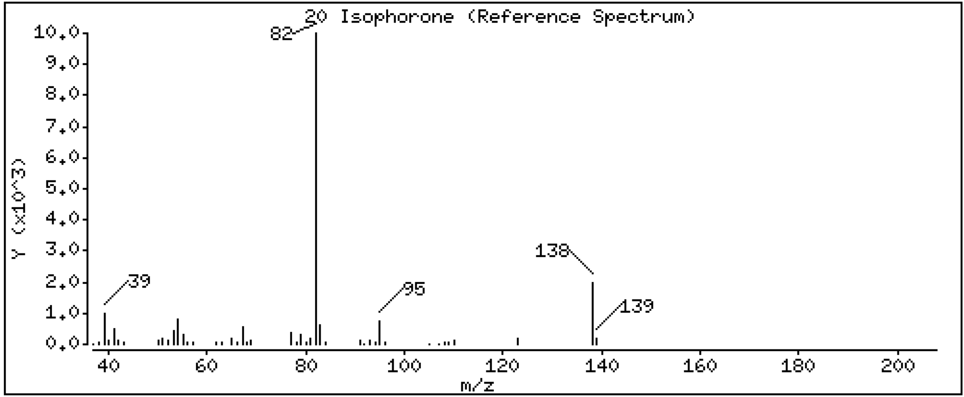
20 Isophorone Concentration: 0.1972 ug/mL

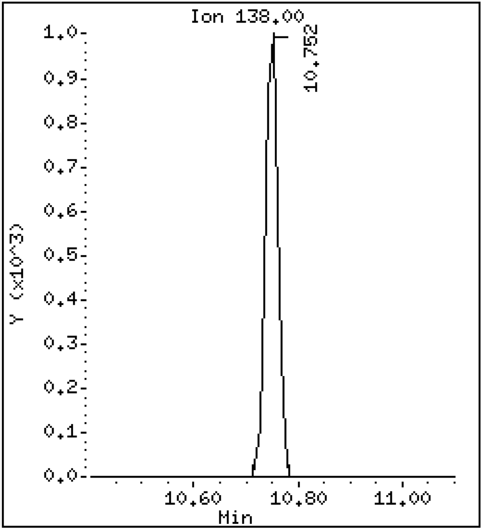

Scan 786 (10.744 min) of NT1422123067.D

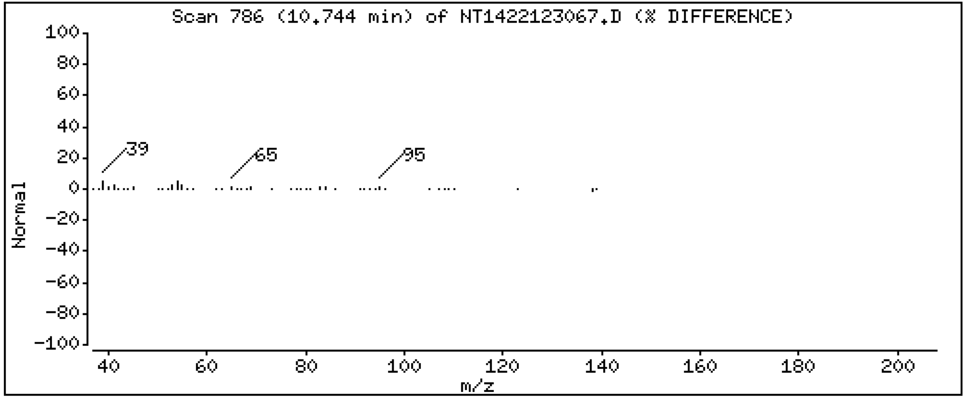

Ion 82.00


Scan 786 (10.744 min) of NT1422123067.D (Subtracted)


Ion 54.00


20 Isophorone (Reference Spectrum)


Ion 138.00


Scan 786 (10.744 min) of NT1422123067.D (% DIFFERENCE)

Data File: \\target\share\chem3\nt14.i\20221230C.b\NT1422123067.D

Date : 01-JAN-2023 00:06

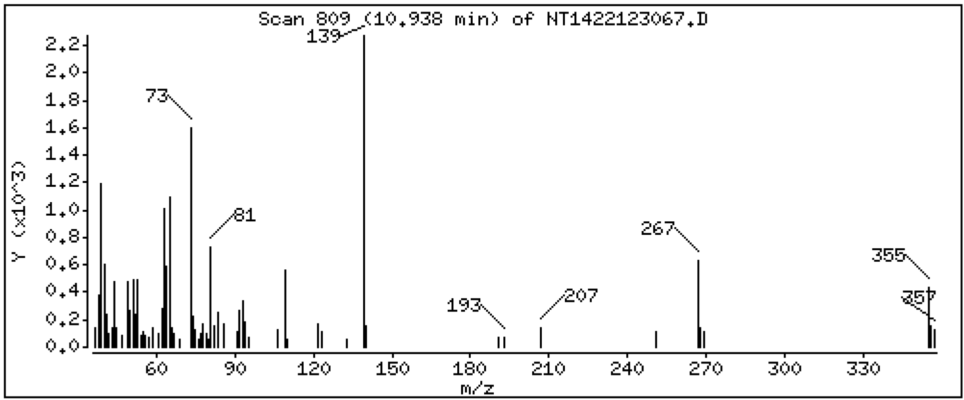
Client ID: Instrument: nt14.i

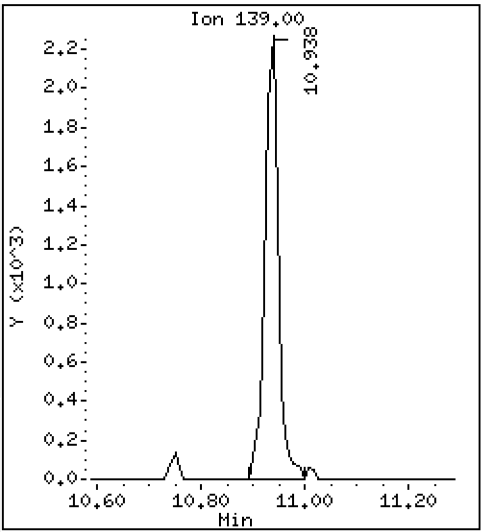
Sample Info: SKL0355-LCV3

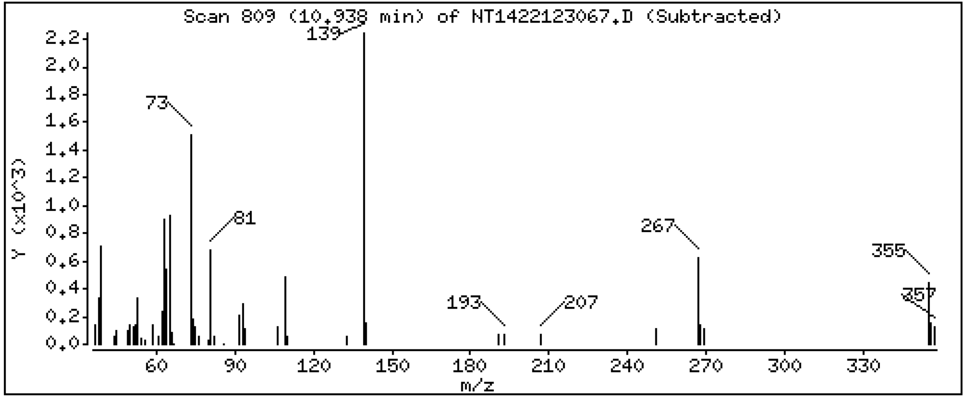
Operator: VTS

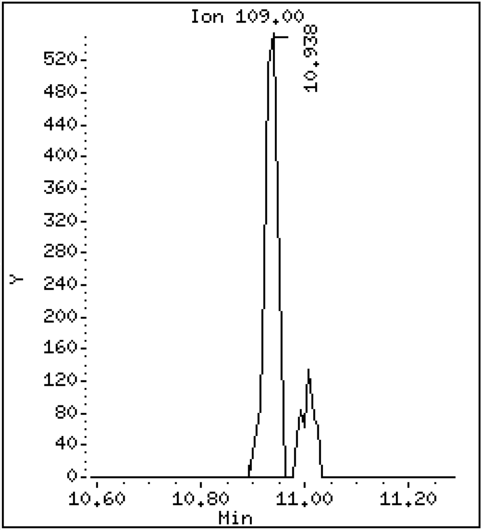
Column phase: ZB-5msi Column diameter: 0.25

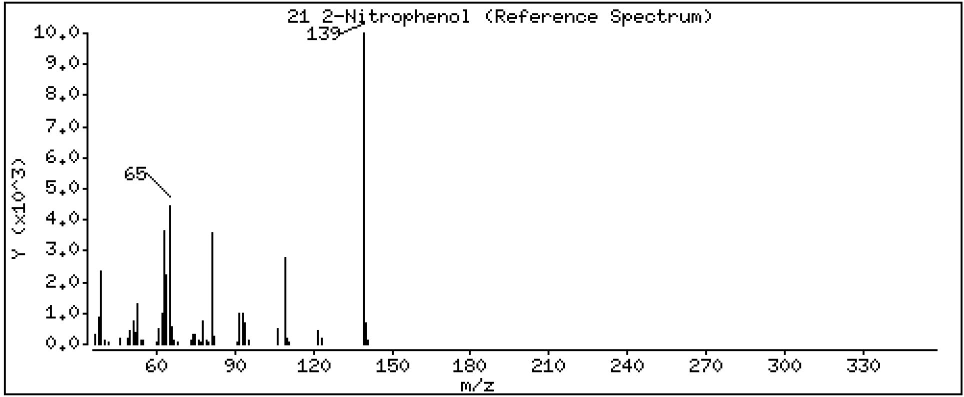
21 2-Nitrophenol Concentration: 0.2116 ug/mL

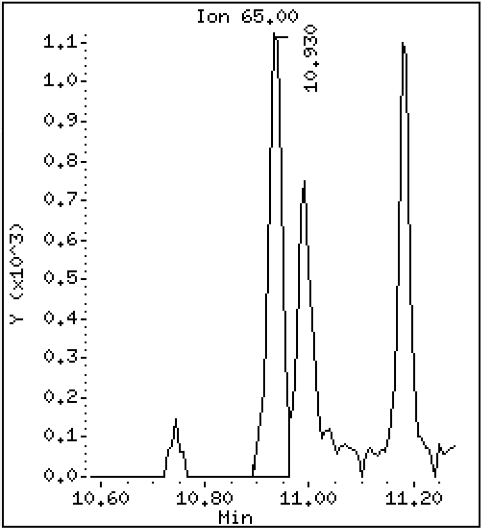


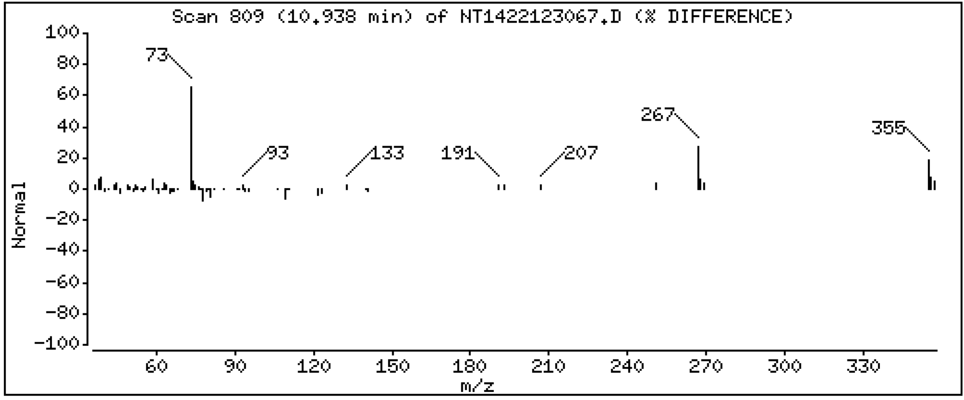












Date : 01-JAN-2023 00:06

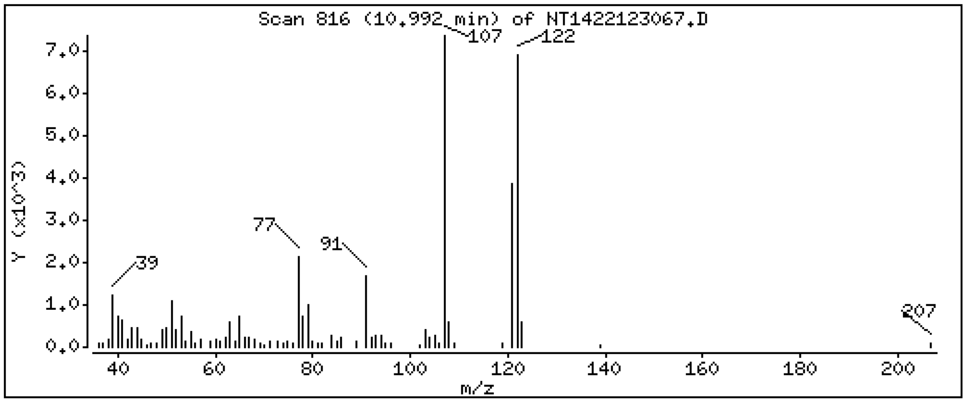
Client ID: Instrument: nt14.i

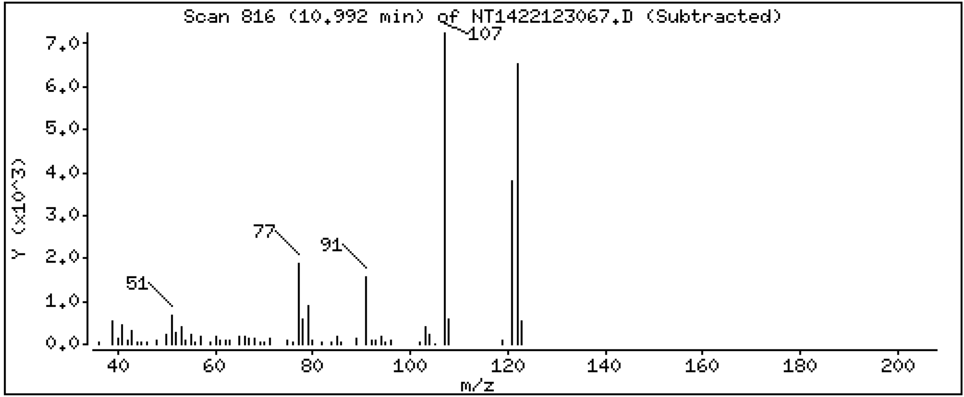
Sample Info: SKL0355-LCV3

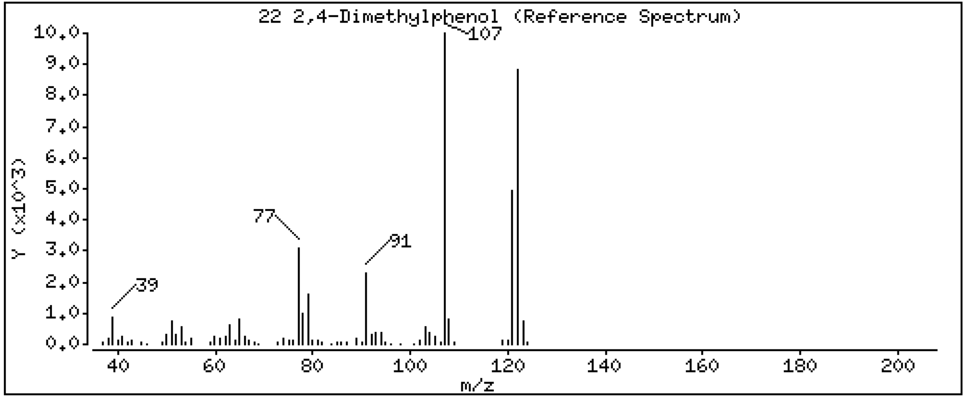
Operator: VTS

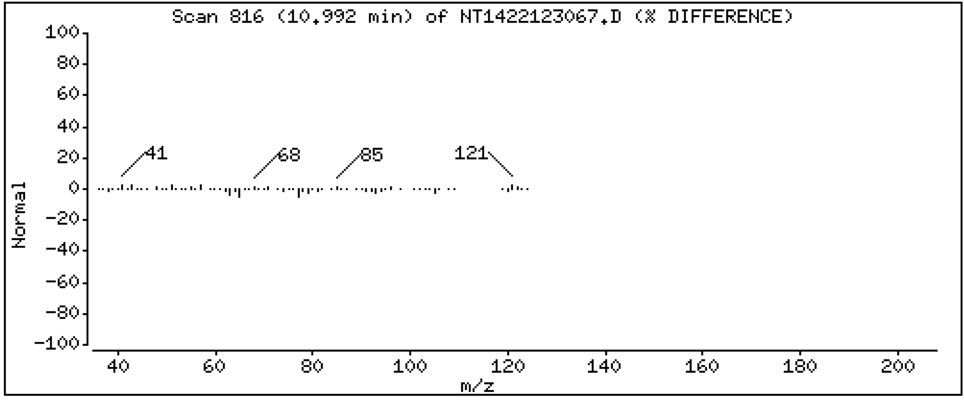
Column phase: ZB-5msi Column diameter: 0.25

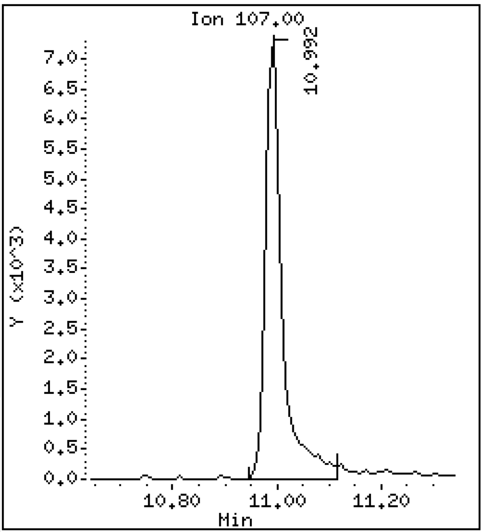
22 2,4-Dimethylphenol Concentration: 0.4590 ug/mL

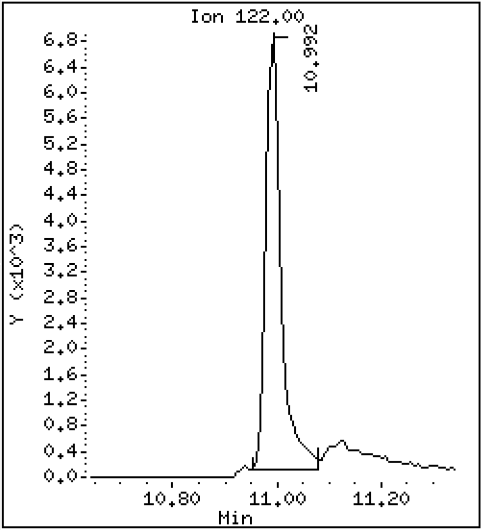


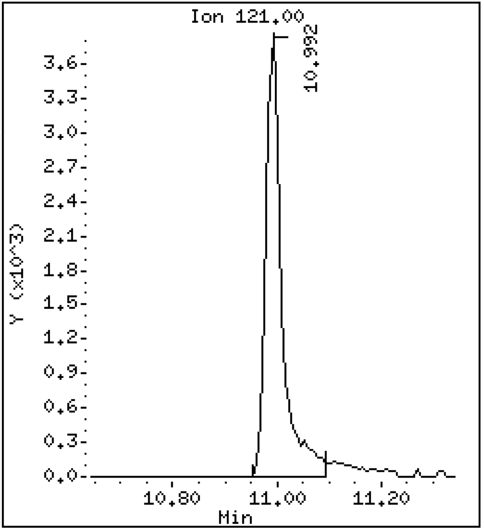












Data File: \\target\share\chem3\nt14.i\20221230C.b\NT1422123067.D

Date : 01-JAN-2023 00:06

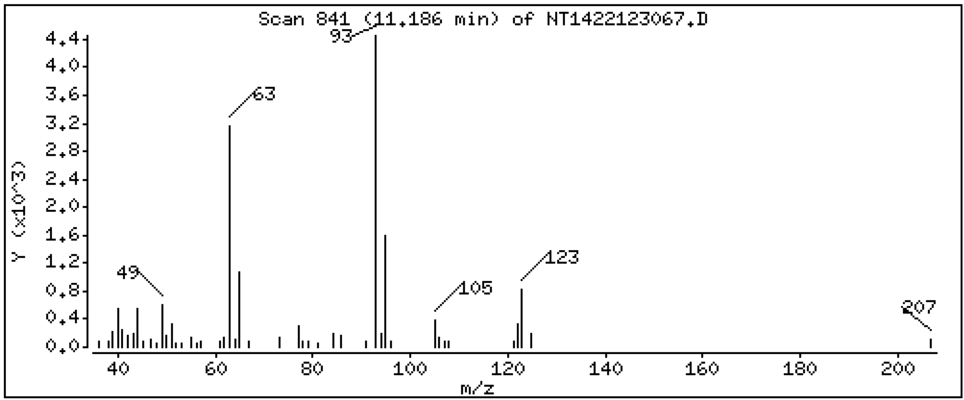
Client ID: Instrument: nt14.i

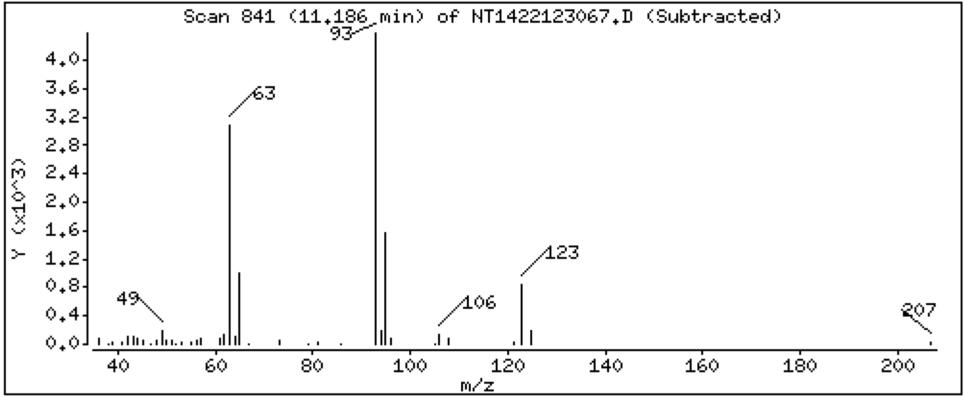
Sample Info: SKL0355-LCV3

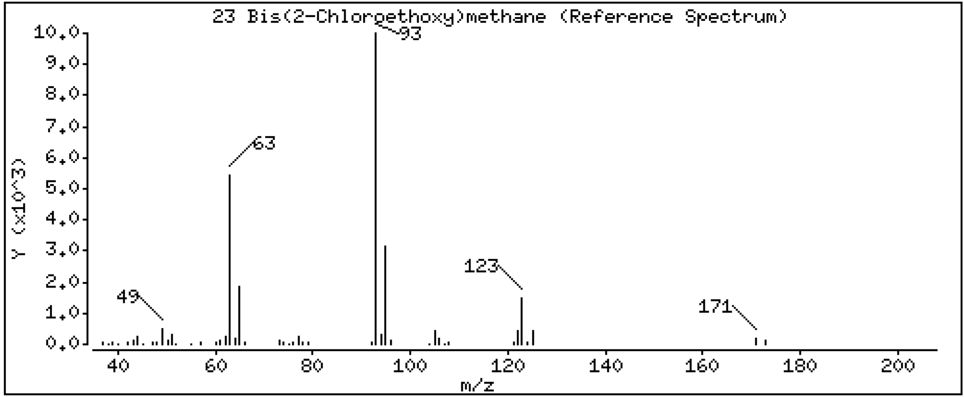
Operator: VTS

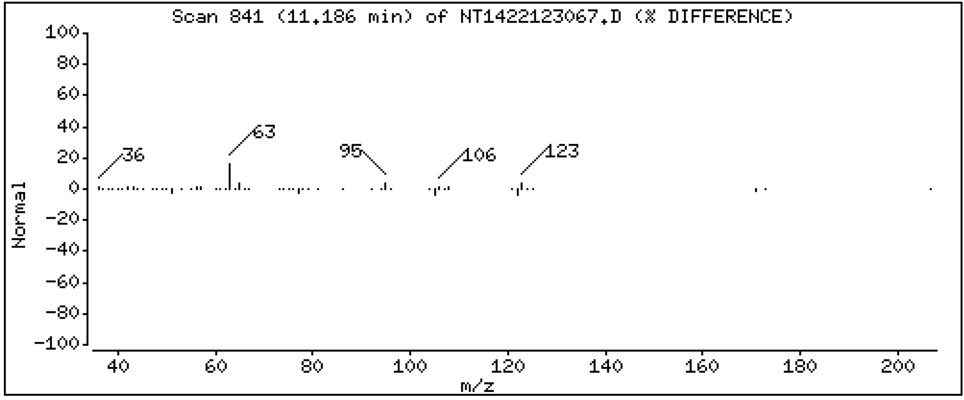
Column phase: ZB-5msi Column diameter: 0.25

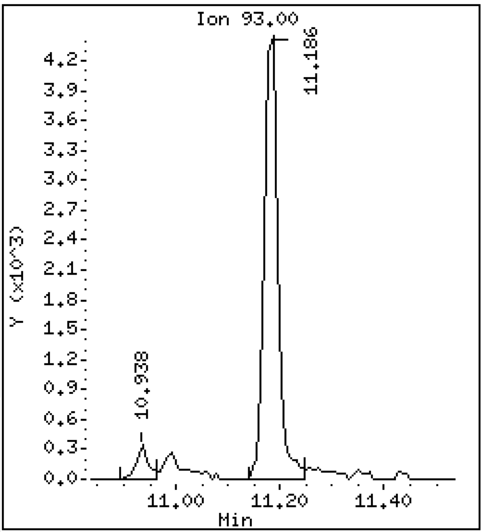
23 Bis(2-Chloroethoxy)methane Concentration: 0.2359 ug/mL

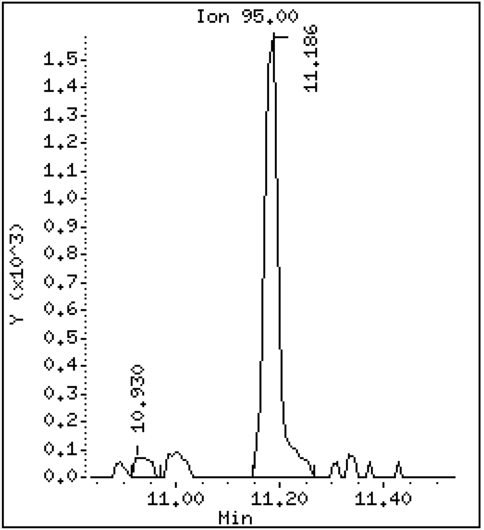


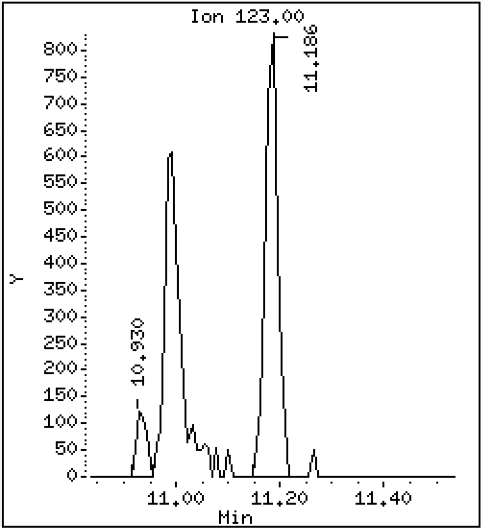












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Date : 01-JAN-2023 00:06

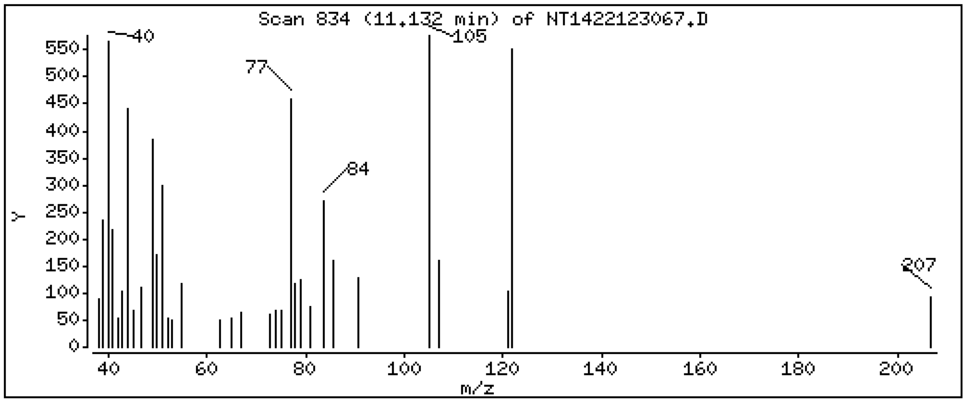
Client ID: Instrument: nt14.i

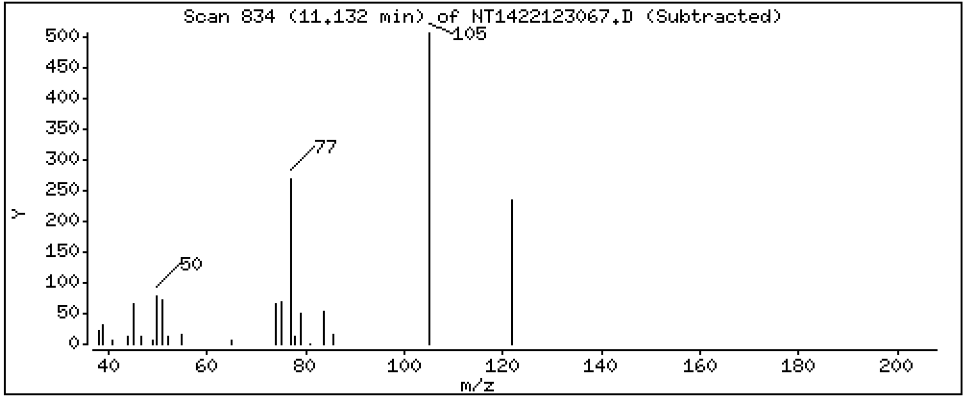
Sample Info: SKL0355-LCV3

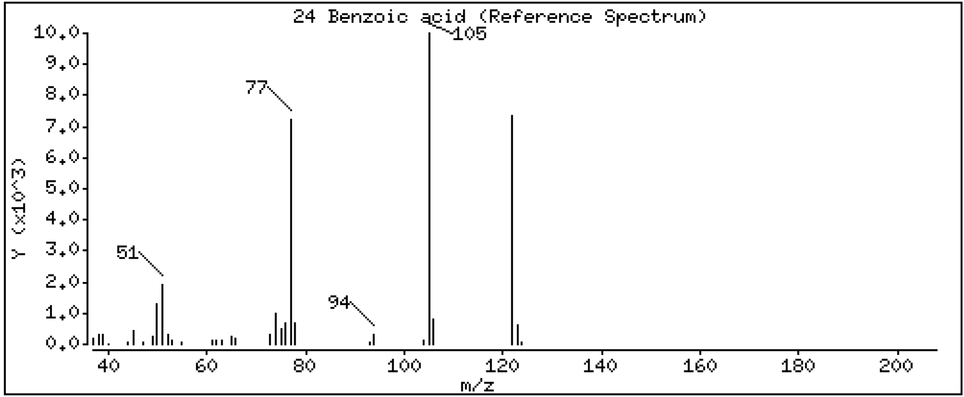
Operator: VTS

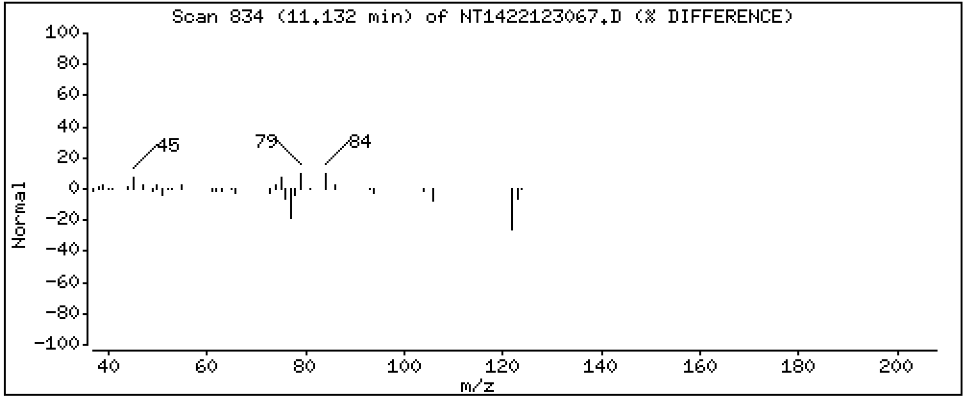
Column phase: ZB-5msi Column diameter: 0.25

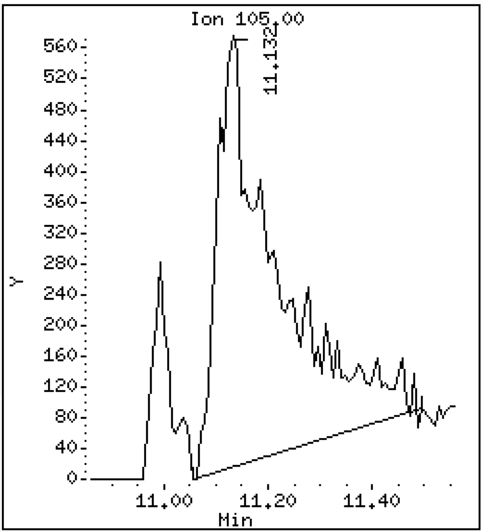
24 Benzoic acid Concentration: 0.2097 ug/mL

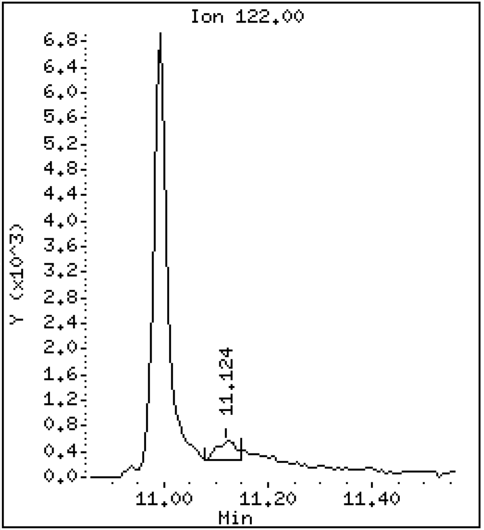

Scan 834 (11.132 min) of NT1422123067.D


Scan 834 (11.132 min) of NT1422123067.D (Subtracted)


24 Benzoic acid (Reference Spectrum)


Scan 834 (11.132 min) of NT1422123067.D (% DIFFERENCE)


Ion 105.00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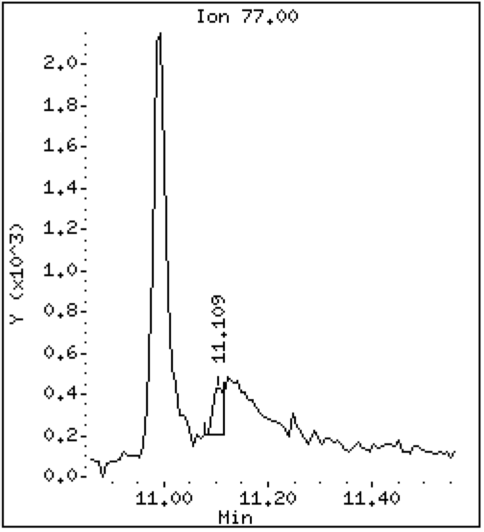

Ion 77.00

Data File: \\target\share\chem3\nt14.i\20221230C.b\NT1422123067.D

Date : 01-JAN-2023 00:06

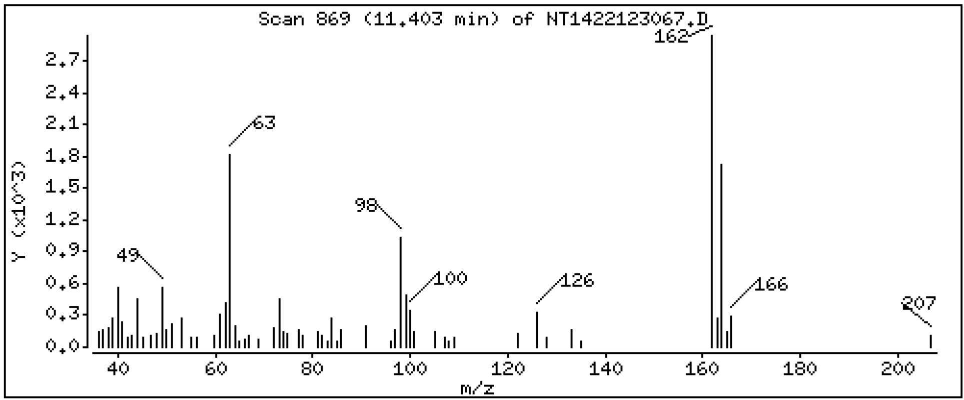
Client ID: Instrument: nt14.i

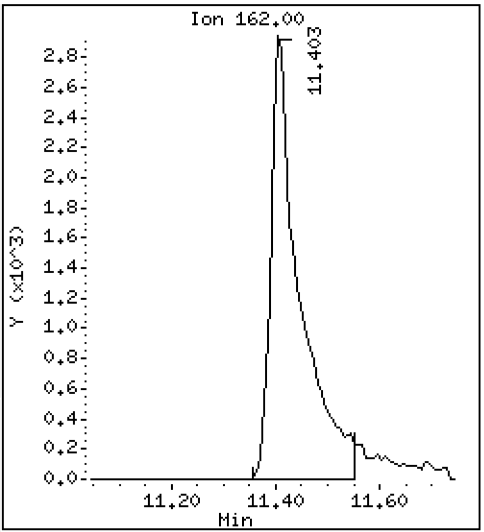
Sample Info: SKL0355-LCV3

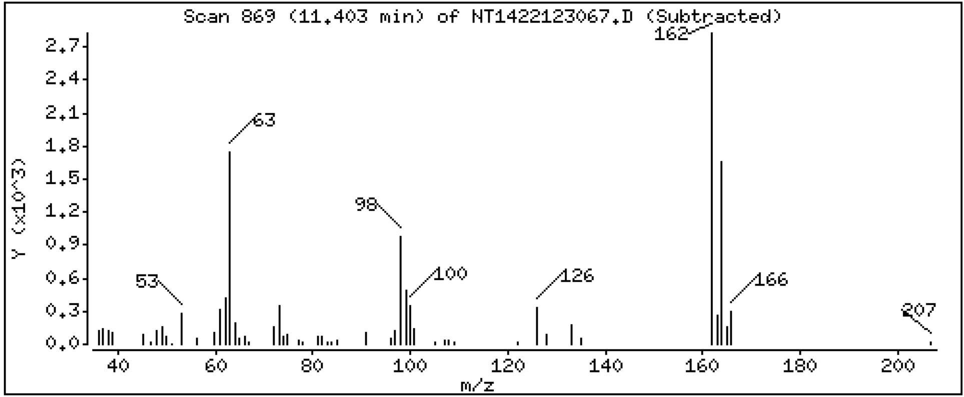
Operator: VTS

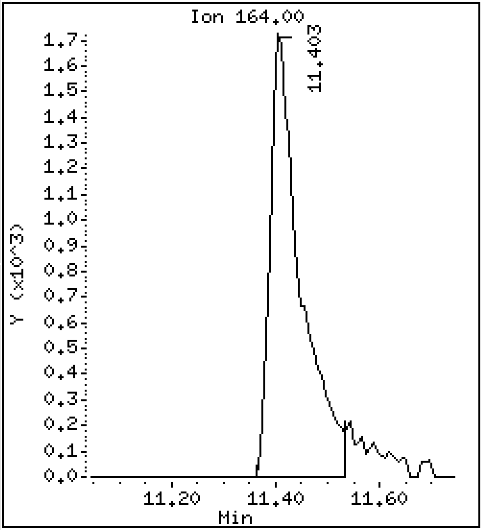
Column phase: ZB-5msi Column diameter: 0.25

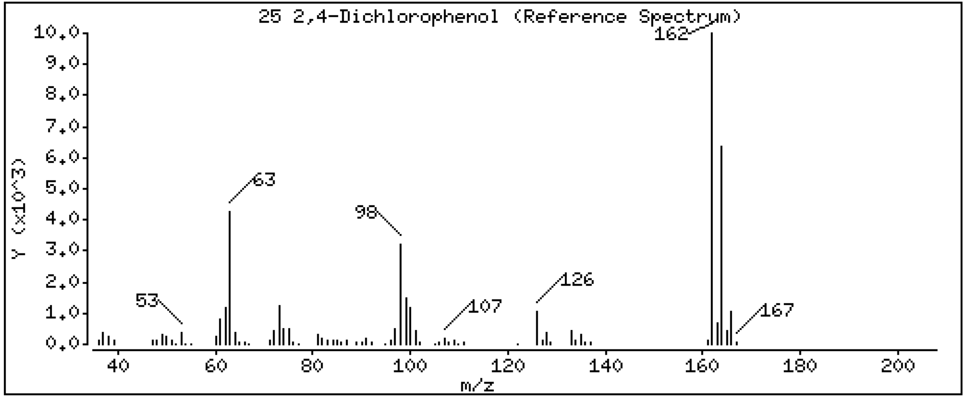
25 2,4-Dichlorophenol Concentration: 0.4100 ug/mL

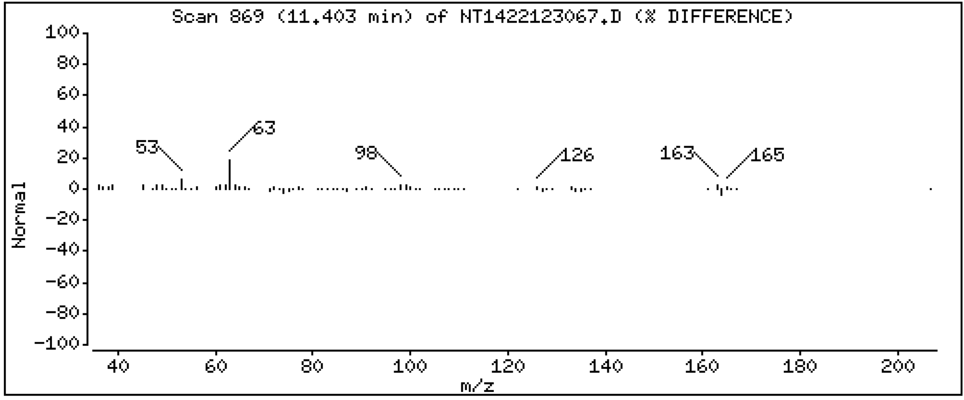


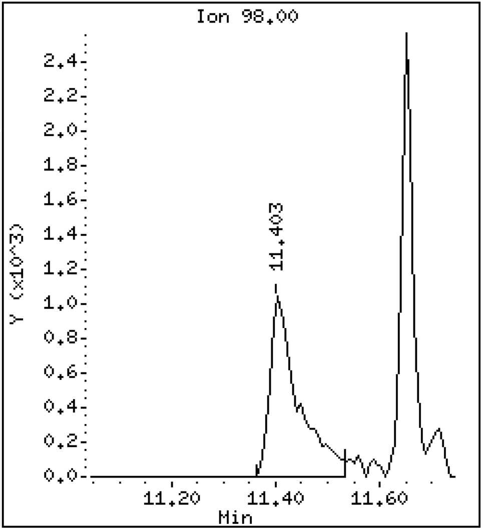












Date : 01-JAN-2023 00:06

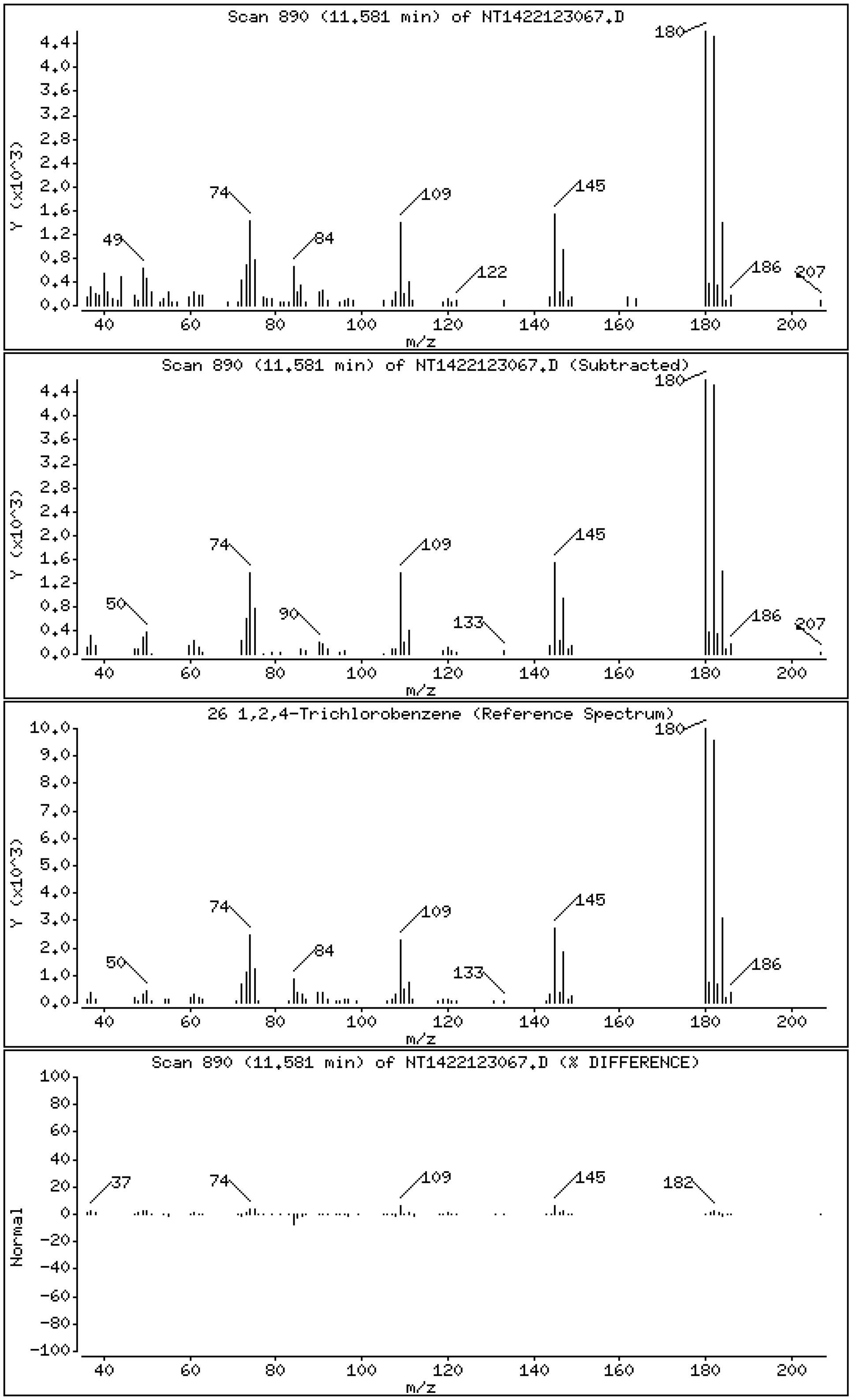
Client ID: Instrument: nt14.i

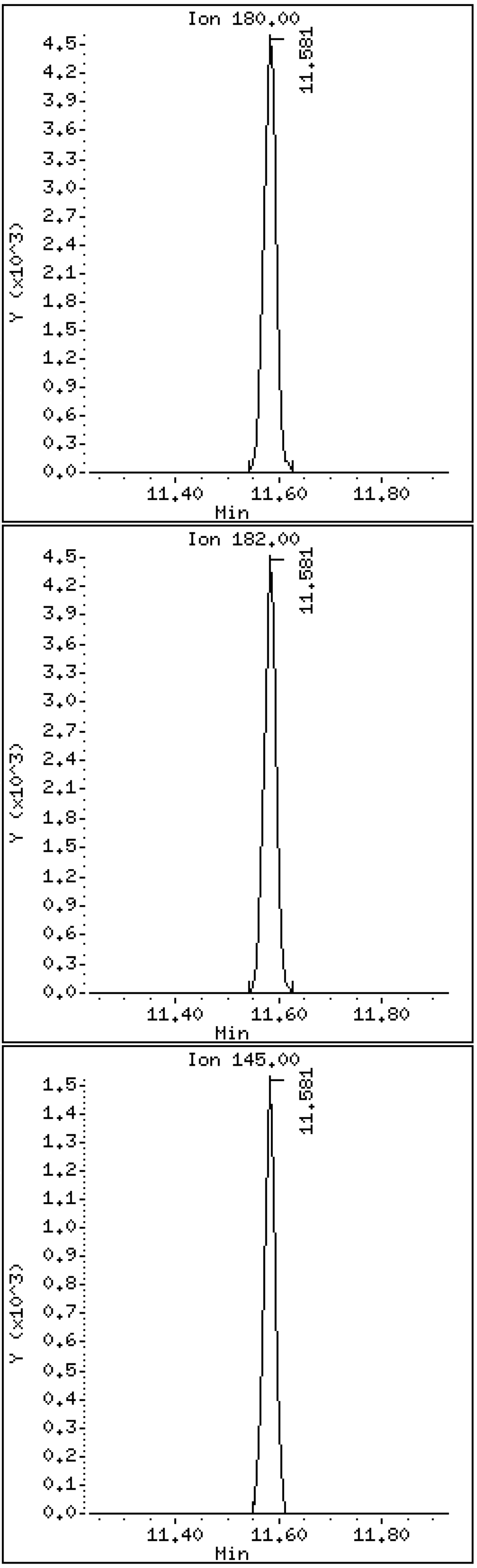
Sample Info: SKL0355-LCV3

Operator: VTS

Column phase: ZB-5msi Column diameter: 0.25

26 1,2,4-Trichlorobenzene Concentration: 0.2401 ug/mL





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Date : 01-JAN-2023 00:06

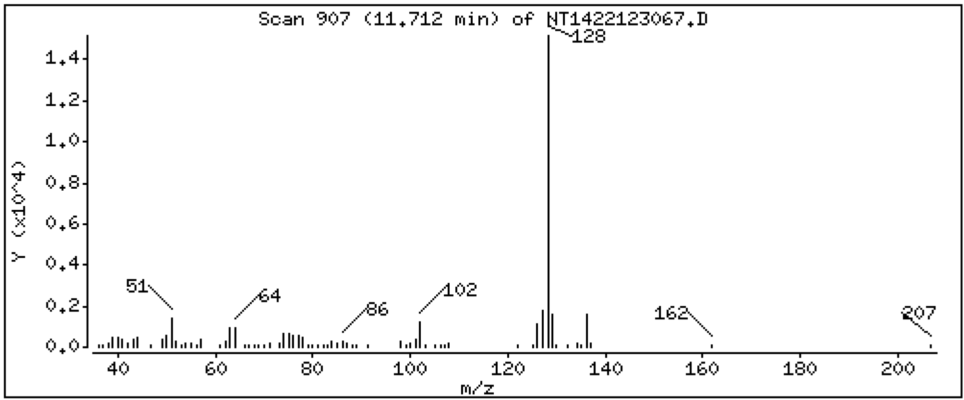
Client ID: Instrument: nt14.i

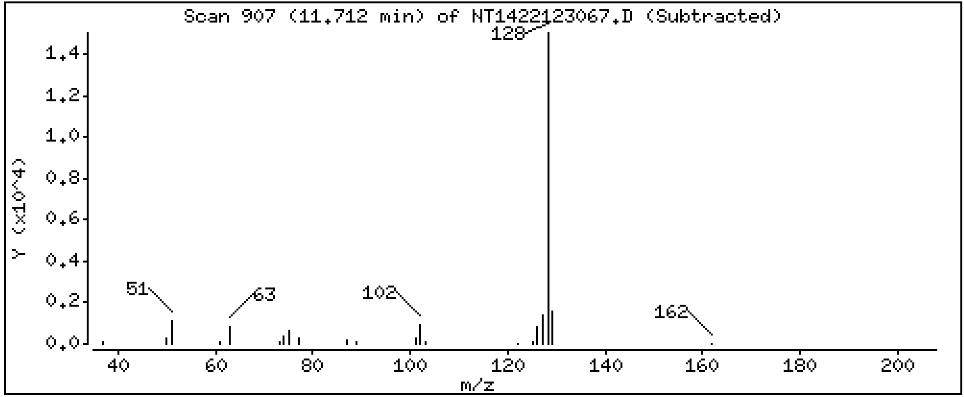
Sample Info: SKL0355-LCV3

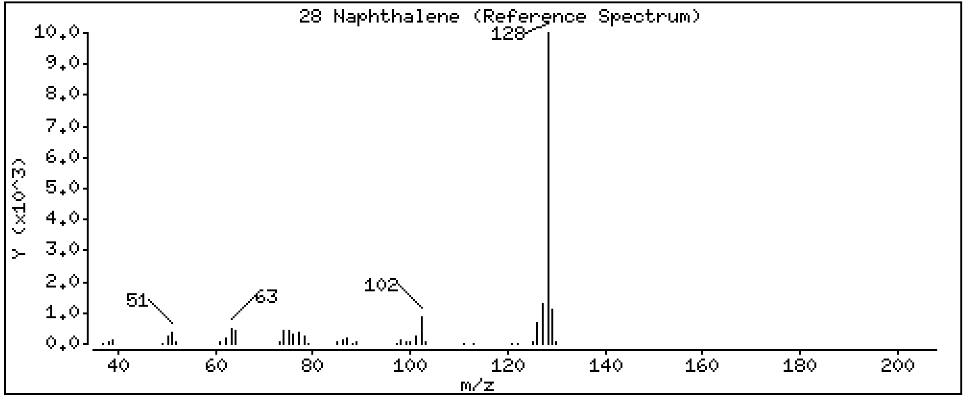
Operator: VTS

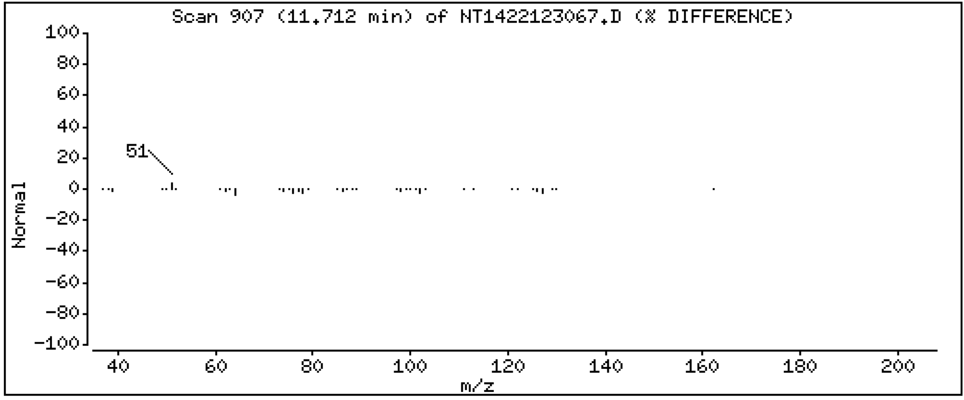
Column phase: ZB-5msi Column diameter: 0.25

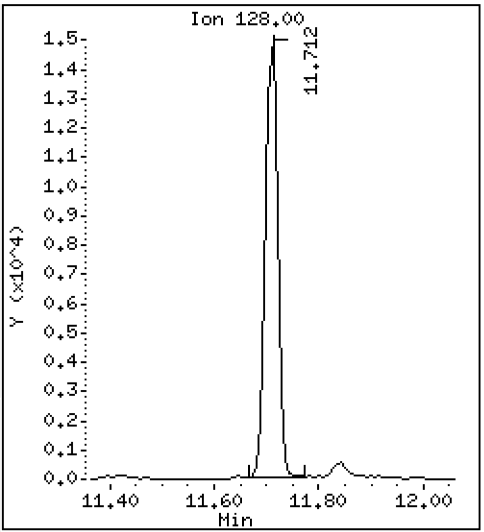
28 Naphthalene Concentration: 0.2355 ug/mL

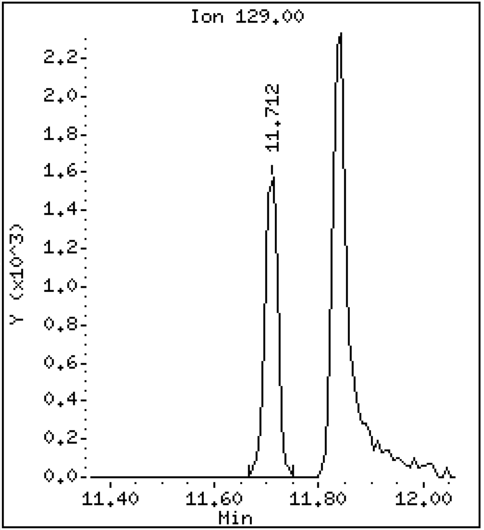

Scan 907 (11.712 min) of NT1422123067.D


Scan 907 (11.712 min) of NT1422123067.D (Subtracted)


28 Naphthalene (Reference Spectrum)


Scan 907 (11.712 min) of NT1422123067.D (% DIFFERENCE)


Ion 128.00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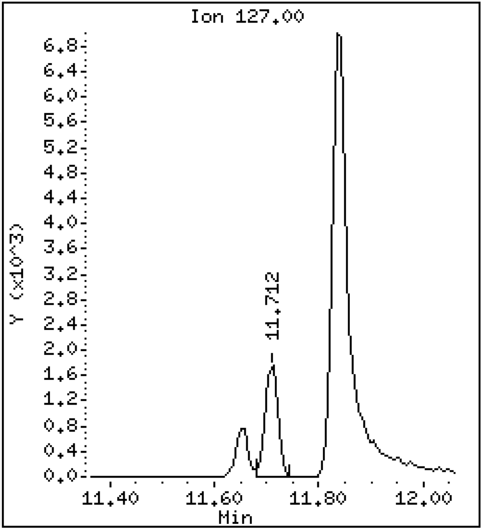
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Data File: \\target\share\chem3\nt14.i\20221230C.b\NT1422123067.D

Date : 01-JAN-2023 00:06

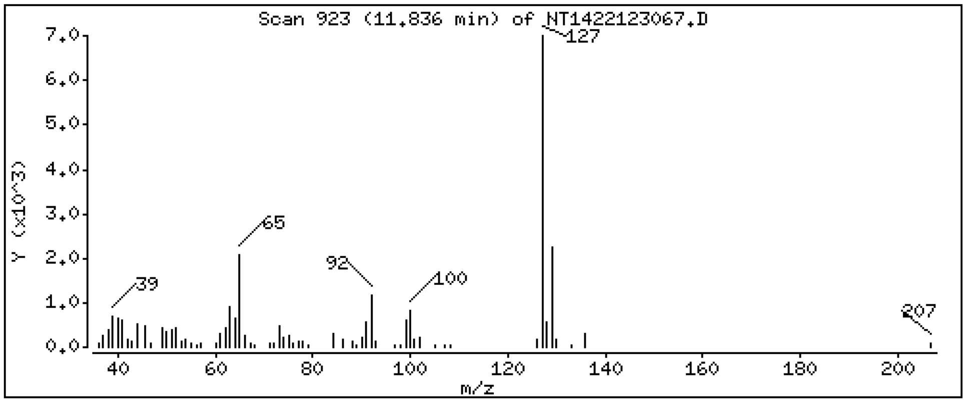
Client ID: Instrument: nt14.i

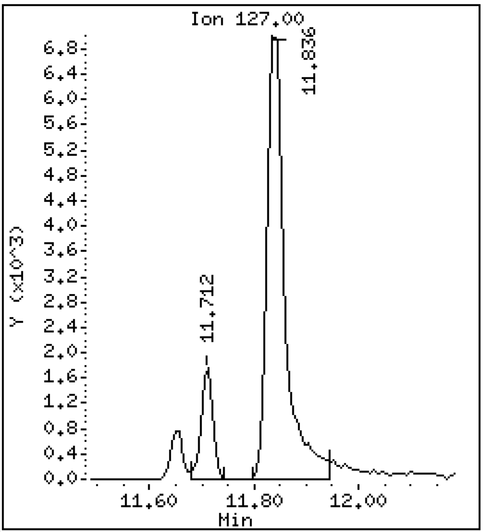
Sample Info: SKL0355-LCV3

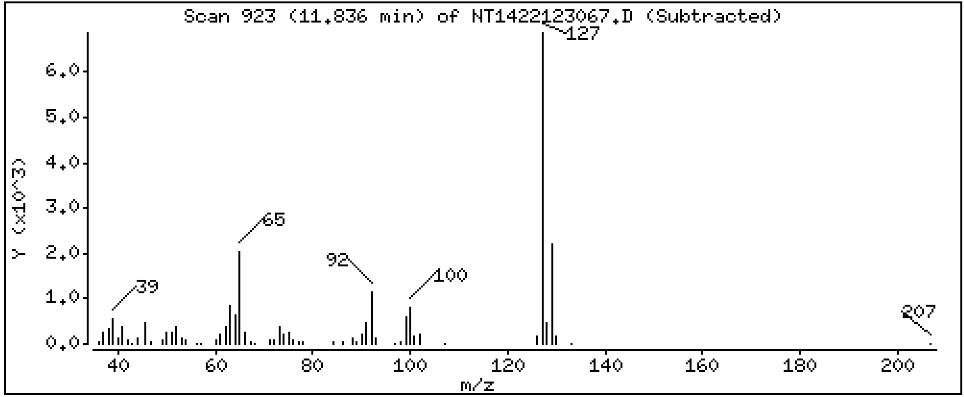
Operator: VTS

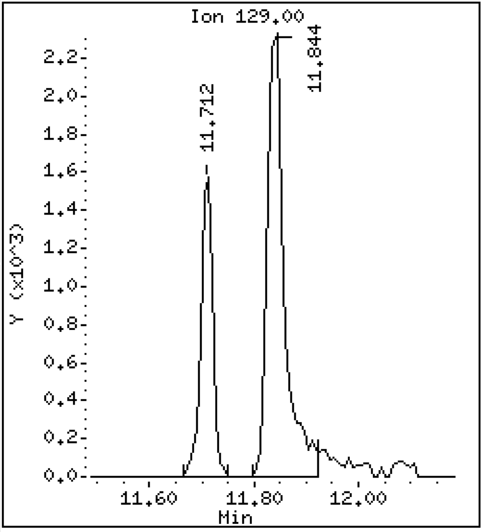
Column phase: ZB-5msi Column diameter: 0.25

29 4-Chloroaniline Concentration: 0.4051 ug/mL


Scan 923 (11.836 min) of NT1422123067.D


Ion 127.00


Scan 923 (11.836 min) of NT1422123067.D (Subtracted)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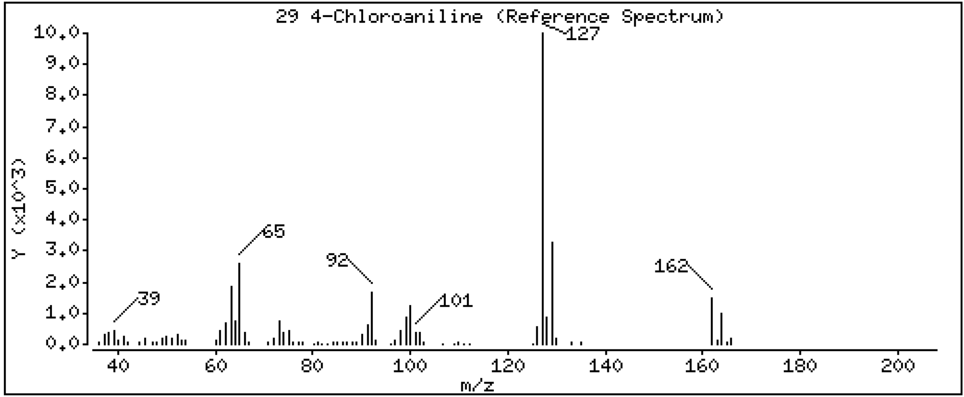
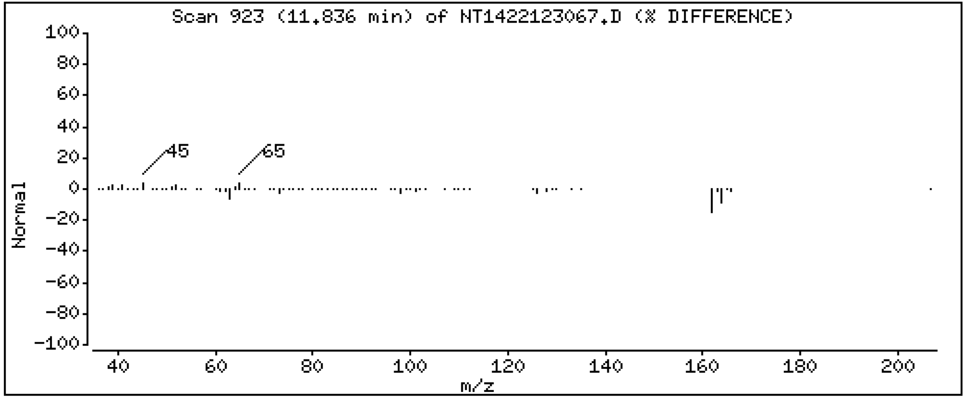

29 4-Chloroaniline (Reference Spectrum)


Scan 923 (11.836 min) of NT1422123067.D (% DIFFERENCE)

Data File: \\target\share\chem3\nt14.i\20221230C.b\NT1422123067.D

Date : 01-JAN-2023 00:06

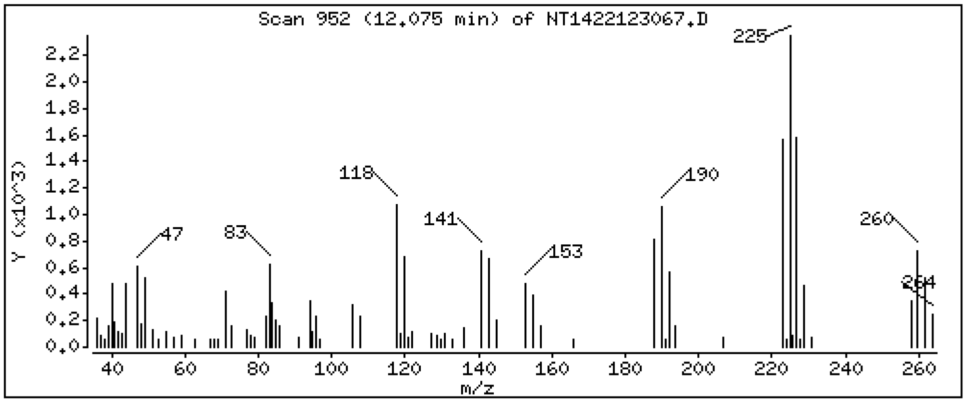
Client ID: Instrument: nt14.i

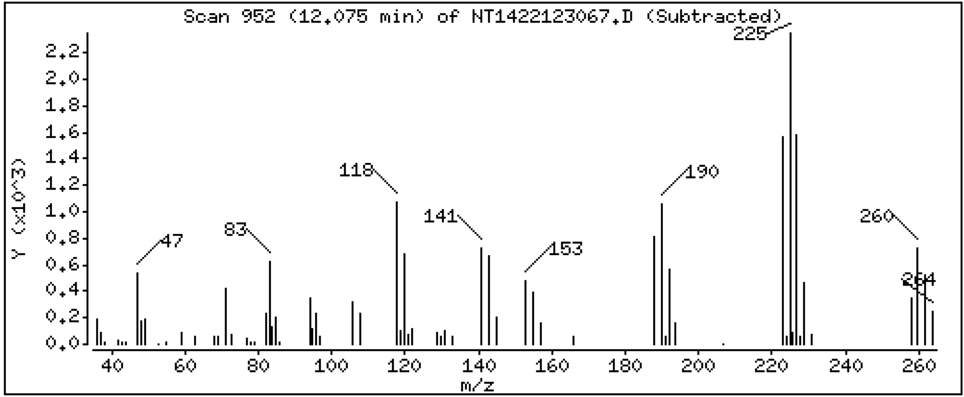
Sample Info: SKL0355-LCV3

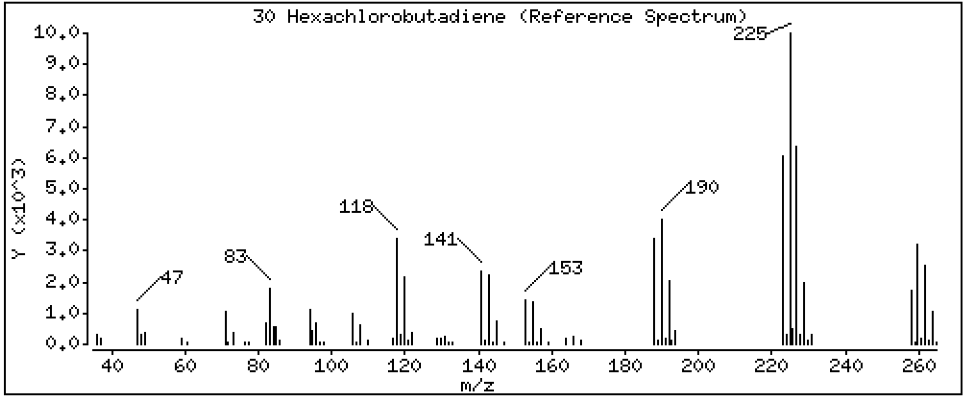
Operator: VTS

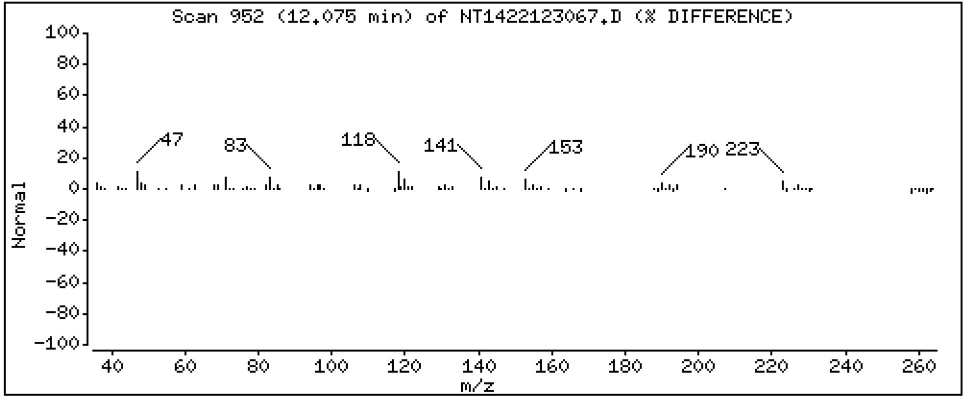
Column phase: ZB-5msi Column diameter: 0.25

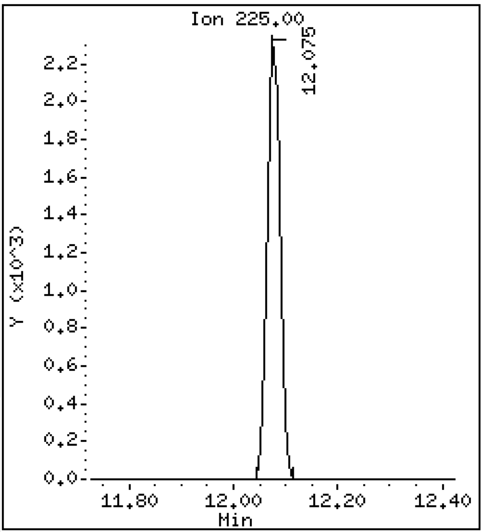
30 Hexachlorobutadiene Concentration: 0.2380 ug/mL


Scan 952 (12.075 min) of NT1422123067.D


Scan 952 (12.075 min) of NT1422123067.D (Subtracted)


30 Hexachlorobutadiene (Reference Spectrum)


Scan 952 (12.075 min) of NT1422123067.D (% DIFFERENCE)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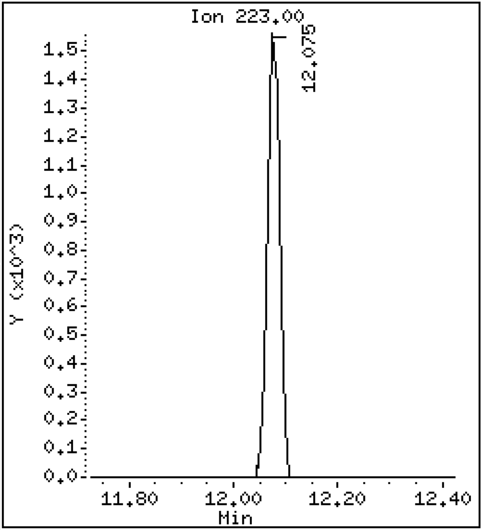
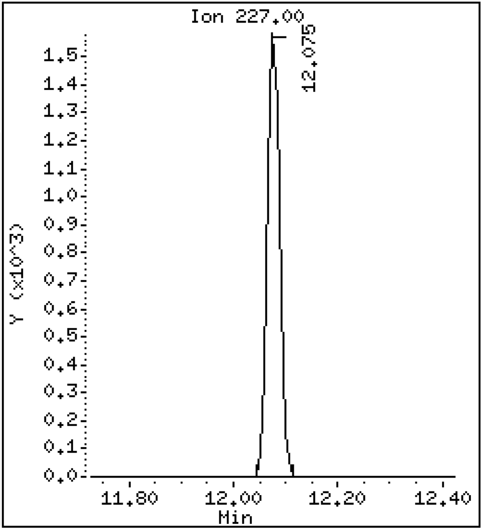

Ion 223.00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Date : 01-JAN-2023 00:06

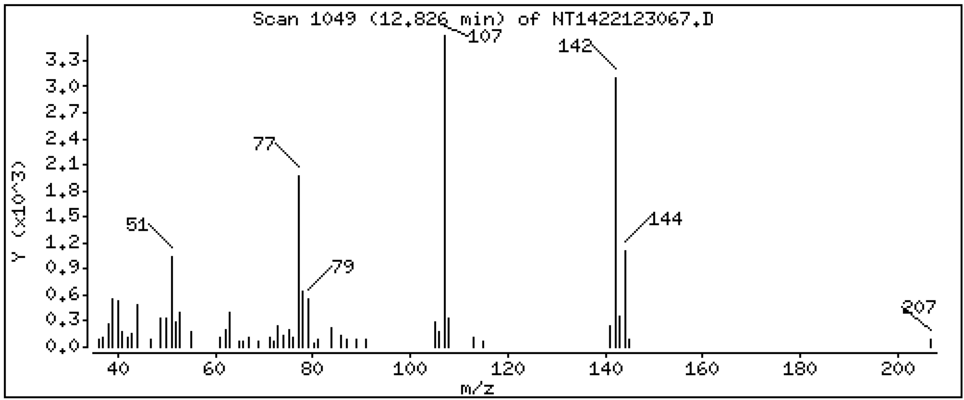
Client ID: Instrument: nt14.i

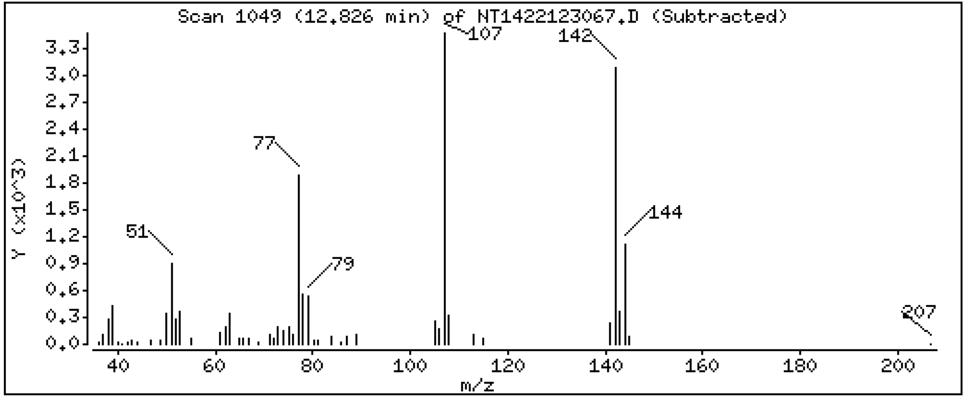
Sample Info: SKL0355-LCV3

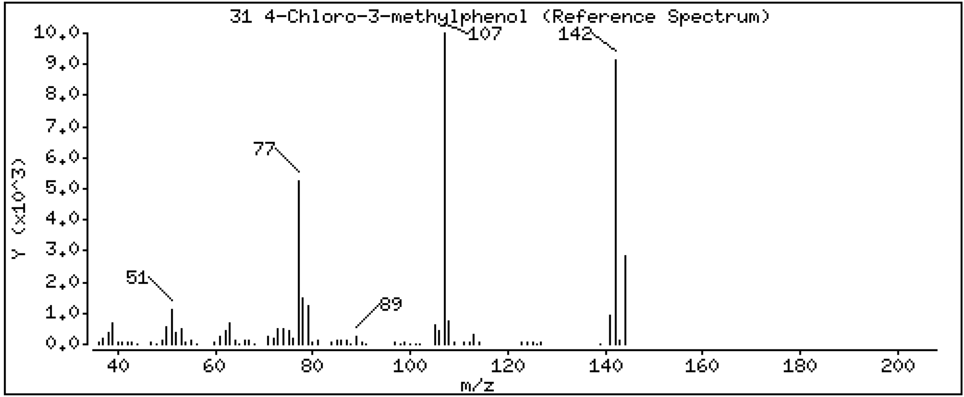
Operator: VTS

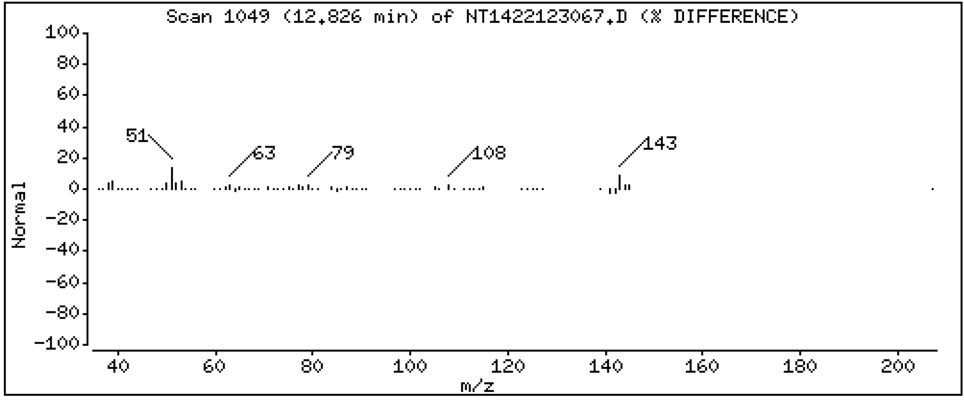
Column phase: ZB-5msi Column diameter: 0.25

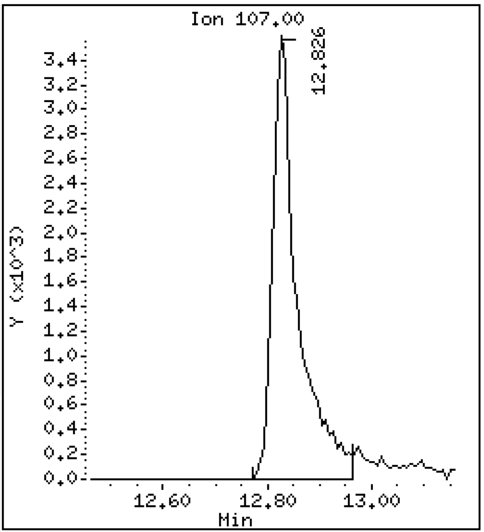
31 4-Chloro-3-methylphenol Concentration: 0.4327 ug/mL

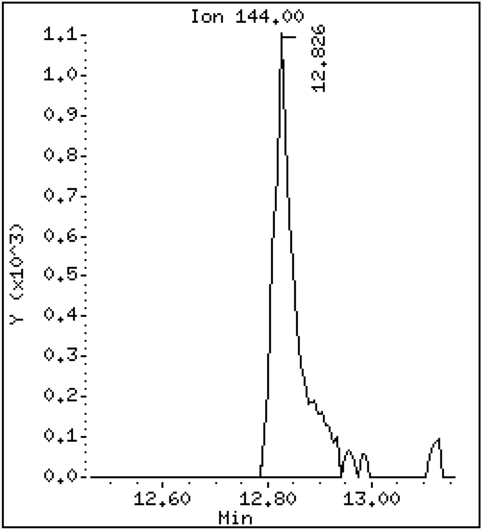


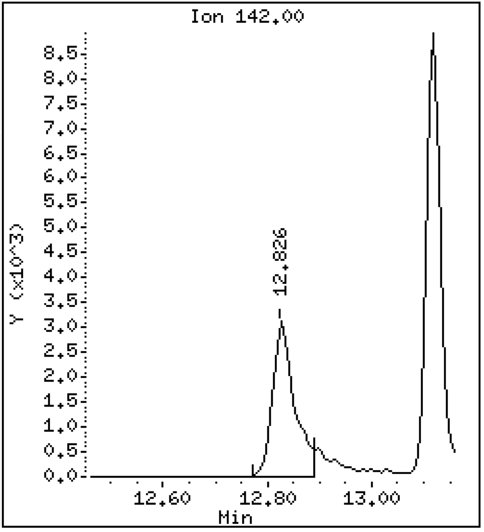












Data File: \\target\share\chem3\nt14.i\20221230C.b\NT1422123067.D Page 26

Date : 01-JAN-2023 00:06

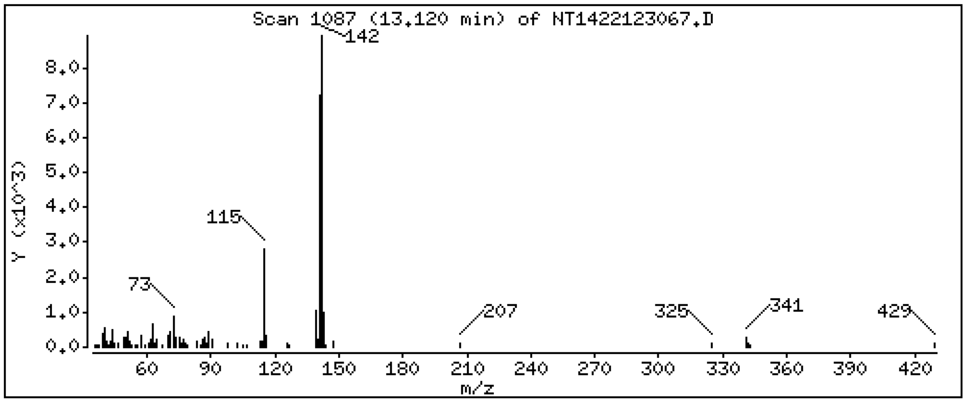
Client ID: Instrument: nt14.i

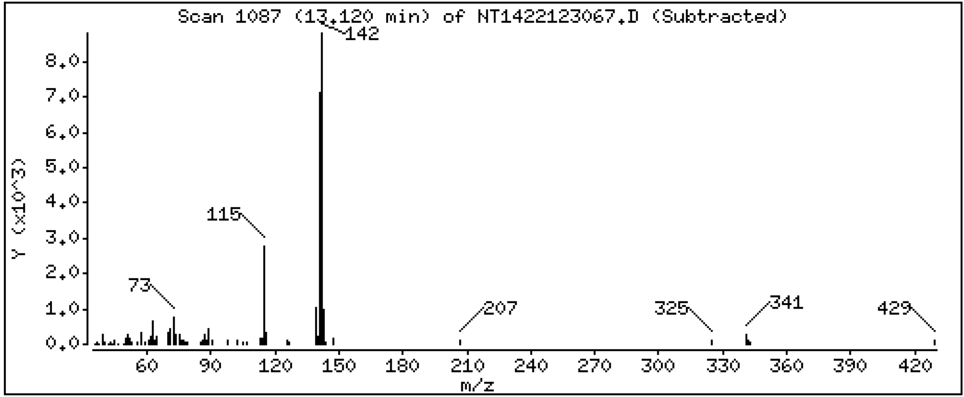
Sample Info: SKL0355-LCV3

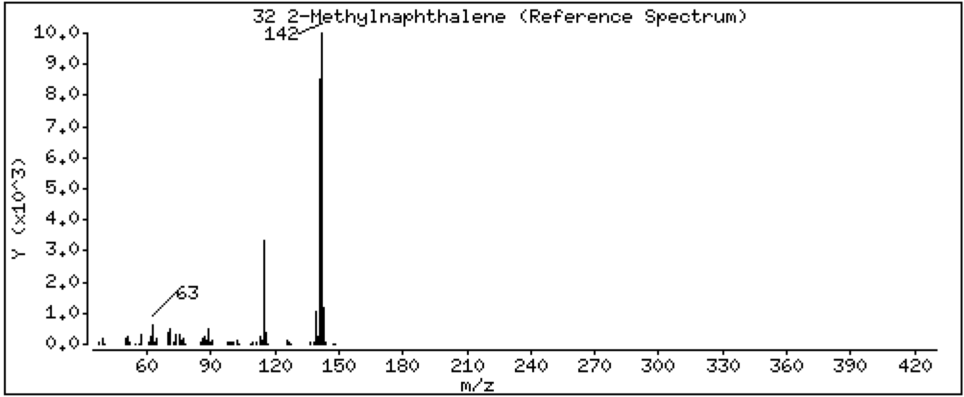
Operator: VTS

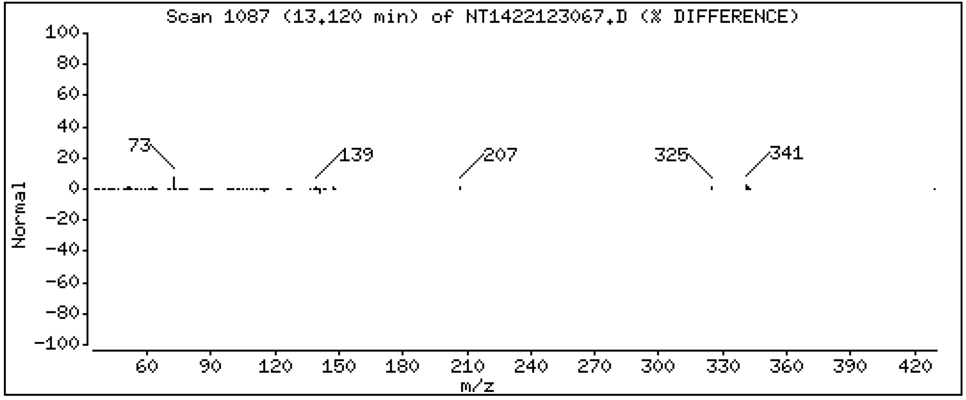
Column phase: ZB-5msi Column diameter: 0.25

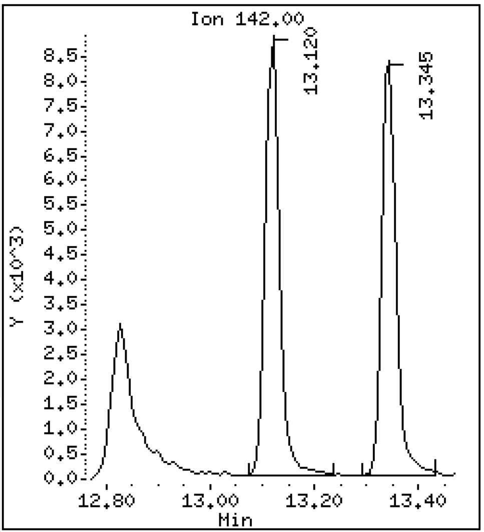
32 2-Methylnaphthalene Concentration: 0.2270 ug/mL

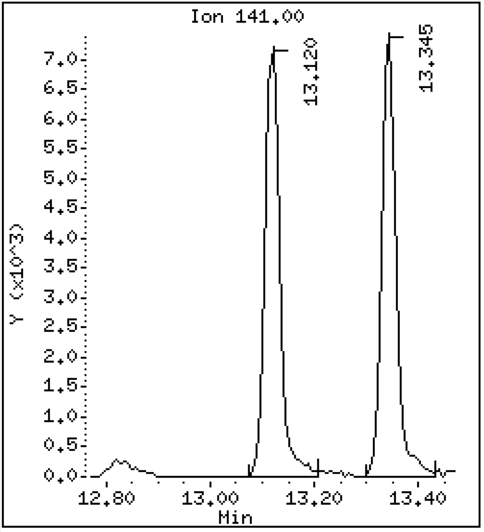












Data File: \\target\share\chem3\nt14.i\20221230C.b\NT1422123067.D

Date : 01-JAN-2023 00:06

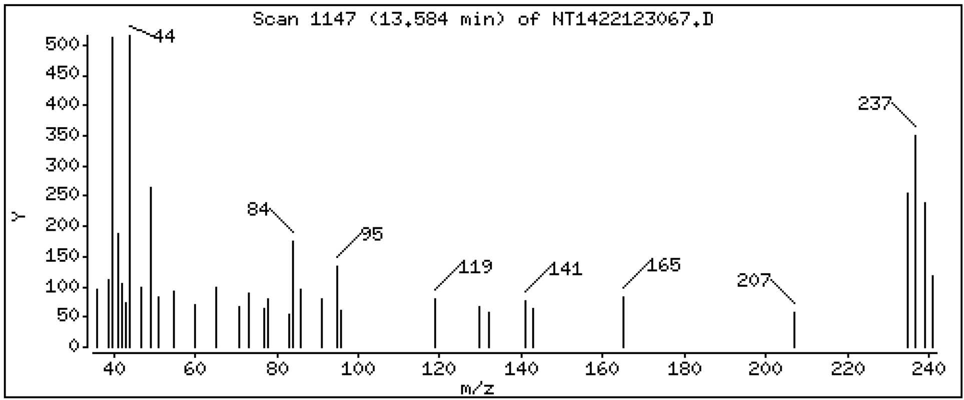
Client ID: Instrument: nt14.i

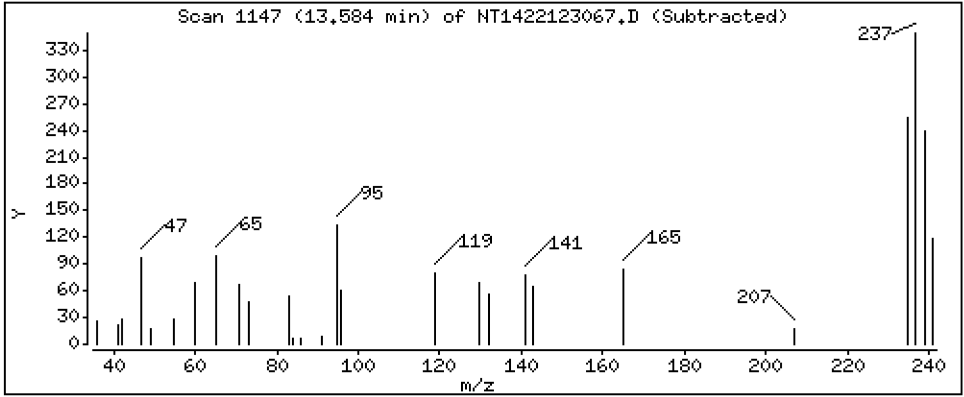
Sample Info: SKL0355-LCV3

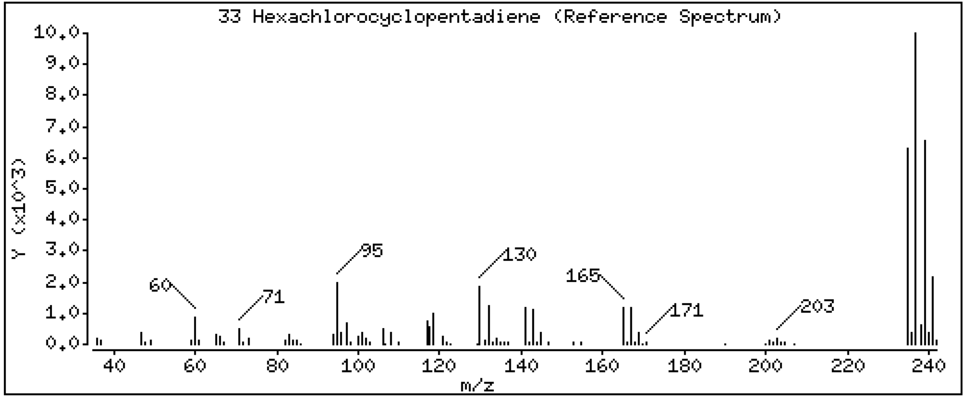
Operator: VTS

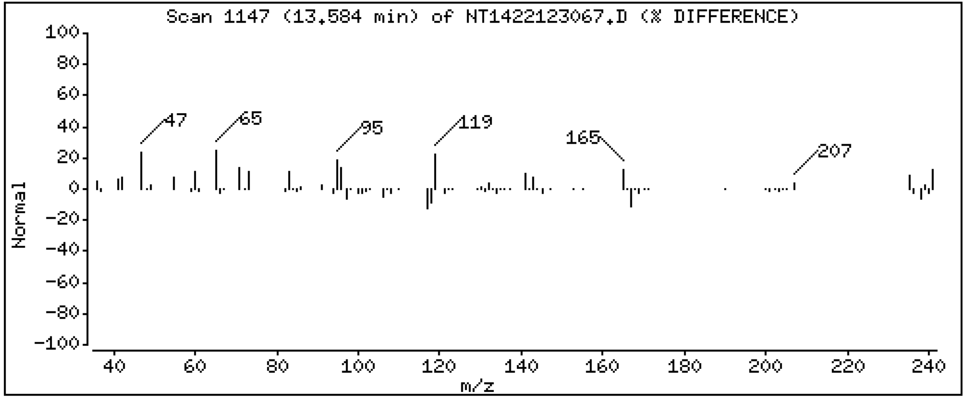
Column phase: ZB-5msi Column diameter: 0.25

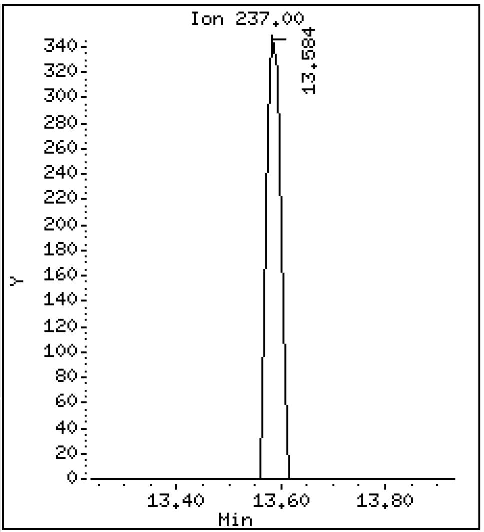
33 Hexachlorocyclopentadiene Concentration: 0.04042 ug/mL

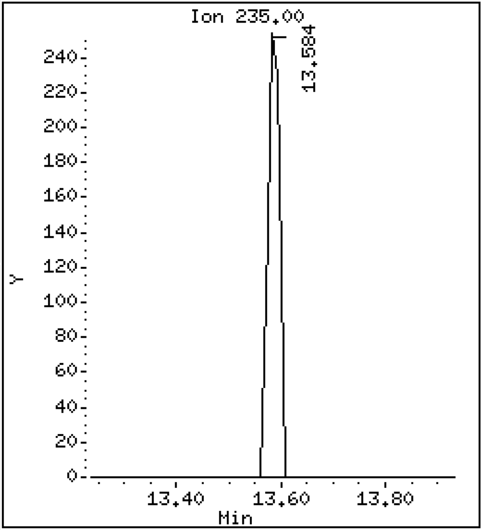

Scan 1147 (13.584 min) of NT1422123067.D

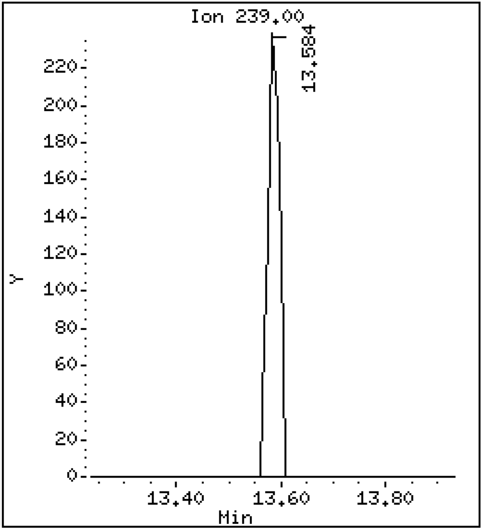

Scan 1147 (13.584 min) of NT1422123067.D (Subtracted)


33 Hexachlorocyclopentadiene (Reference Spectrum)


Scan 1147 (13.584 min) of NT1422123067.D (% DIFFERENCE)


Ion 237.00


Ion 235.00


Ion 239.00

Date : 01-JAN-2023 00:06

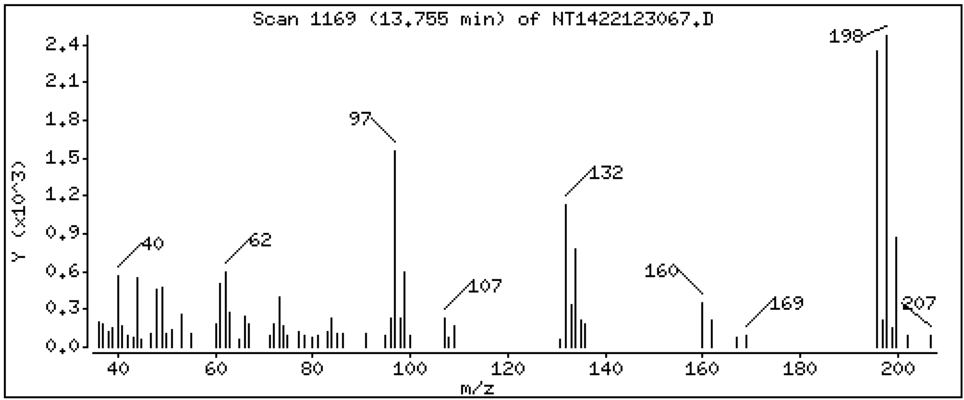
Client ID: Instrument: nt14.i

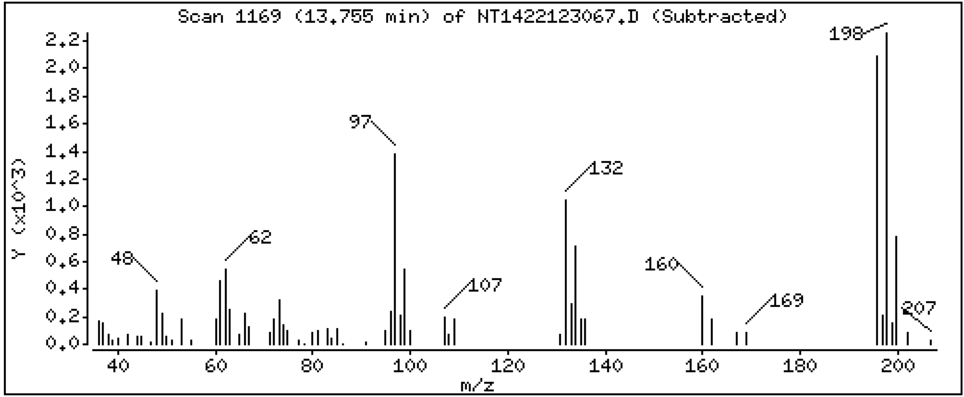
Sample Info: SKL0355-LCV3

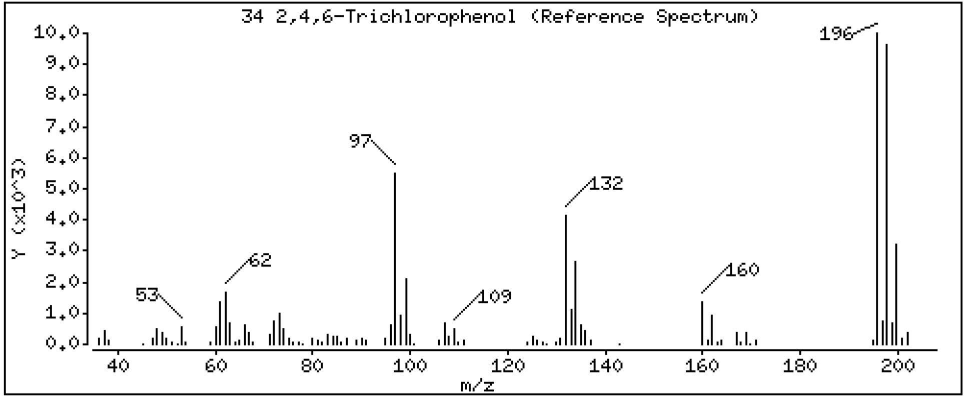
Operator: VTS

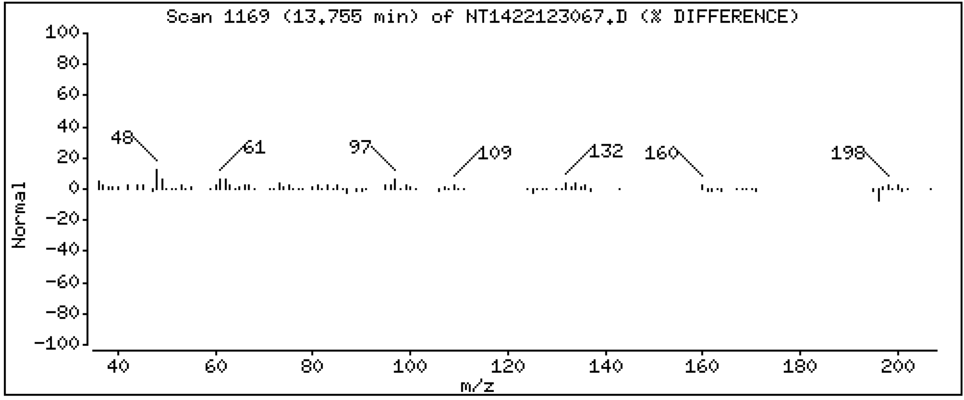
Column phase: ZB-5msi Column diameter: 0.25

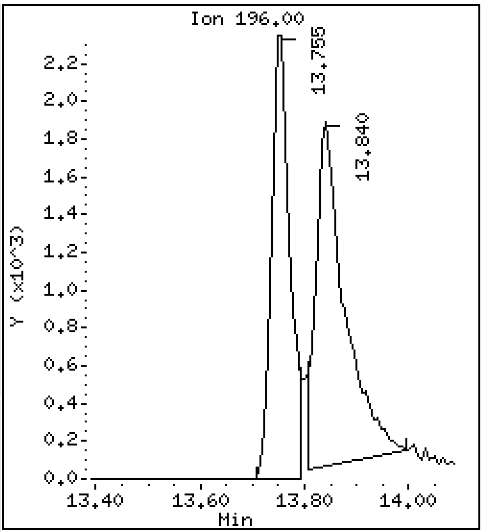
34 2,4,6-Trichlorophenol Concentration: 0.3442 ug/mL


Scan 1169 (13.755 min) of NT1422123067.D


Scan 1169 (13.755 min) of NT1422123067.D (Subtracted)


34 2,4,6-Trichlorophenol (Reference Spectrum)


Scan 1169 (13.755 min) of NT1422123067.D (% DIFFERENCE)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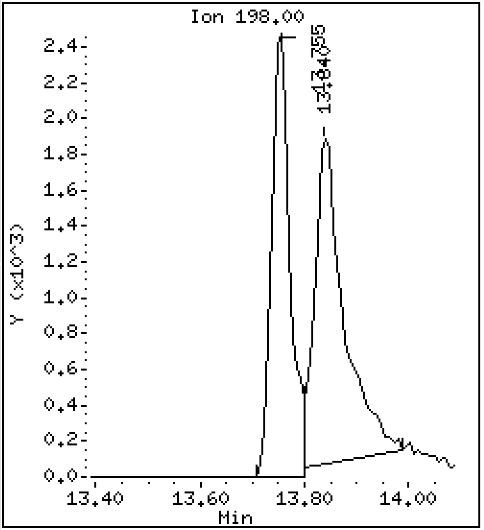
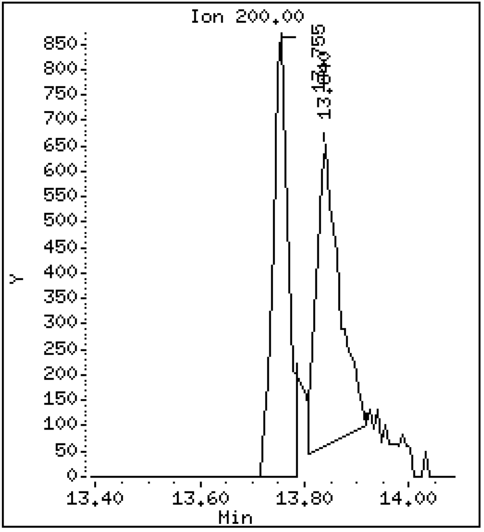

Ion 198.00


Ion 200.00

Data File: \\target\share\chem3\nt14.i\20221230C.b\NT1422123067.D

Date : 01-JAN-2023 00:06

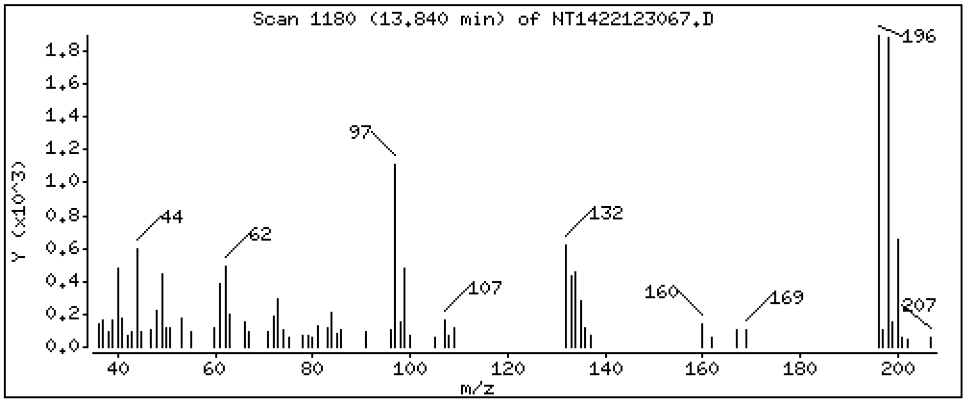
Client ID: Instrument: nt14.i

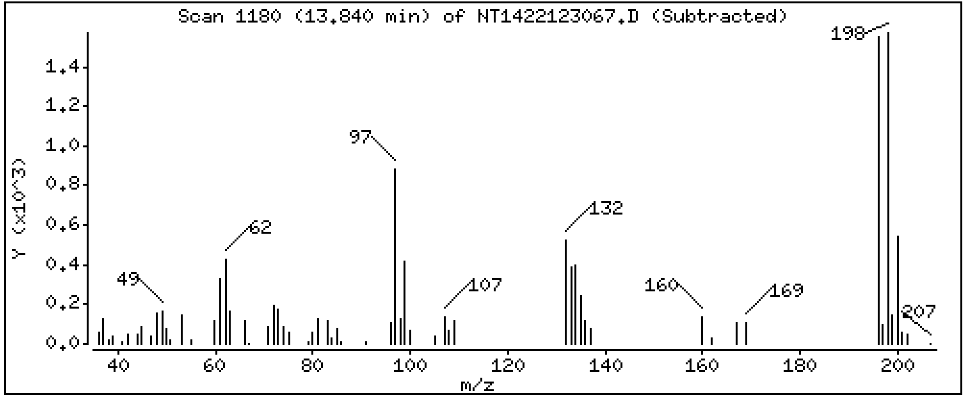
Sample Info: SKL0355-LCV3

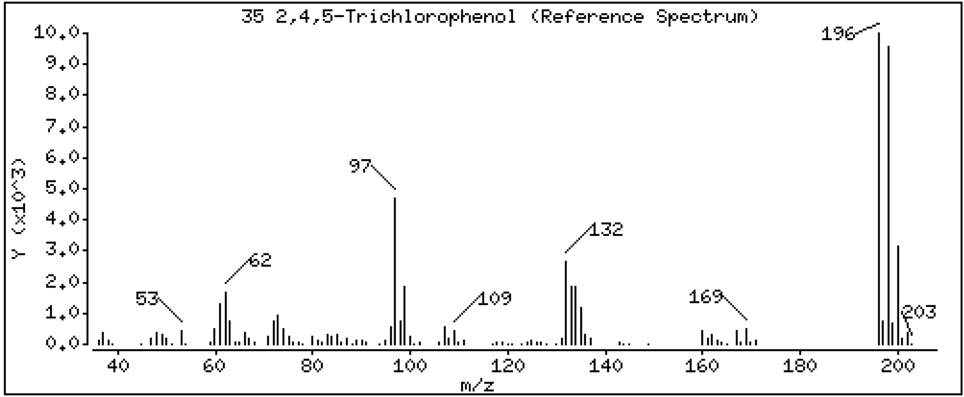
Operator: VTS

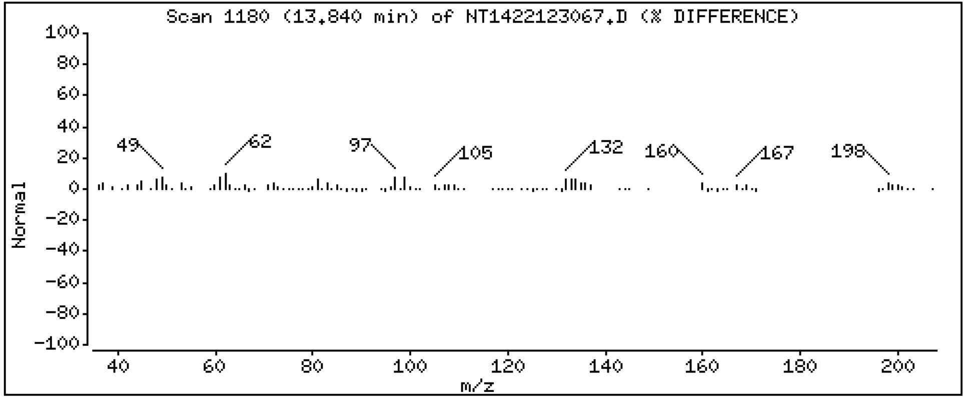
Column phase: ZB-5msi Column diameter: 0.25

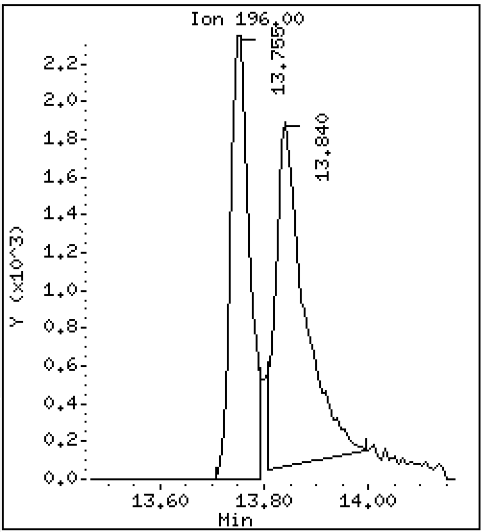
35 2,4,5-Trichlorophenol Concentration: 0.3604 ug/mL


Scan 1180 (13.840 min) of NT1422123067.D


Scan 1180 (13.840 min) of NT1422123067.D (Subtracted)


35 2,4,5-Trichlorophenol (Reference Spectrum)


Scan 1180 (13.840 min) of NT1422123067.D (% DIFFERENCE)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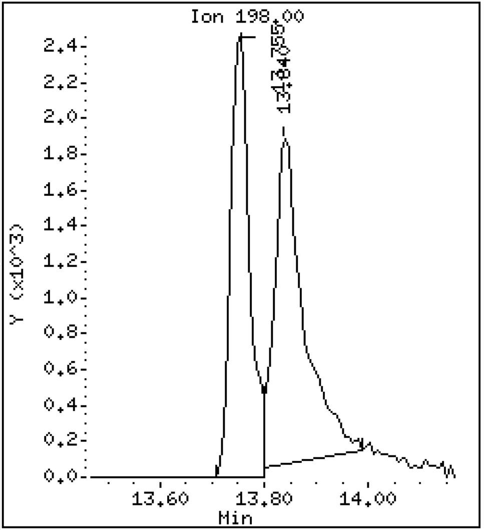
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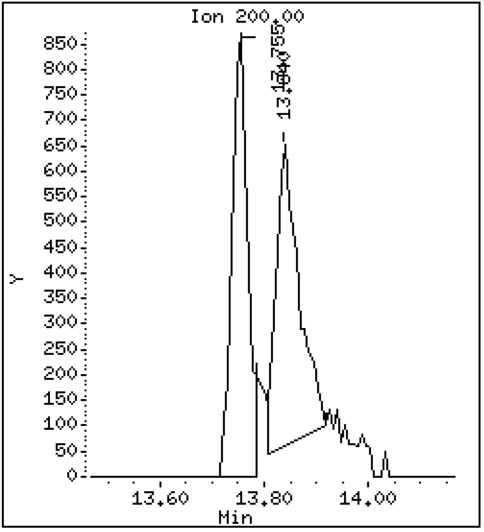

Ion 200.00

Data File: \\target\share\chem3\nt14.i\20221230C.b\NT1422123067.D

Date : 01-JAN-2023 00:06

Client ID:

Instrument: nt14.i

Sample Info: SKL0355-LCV3

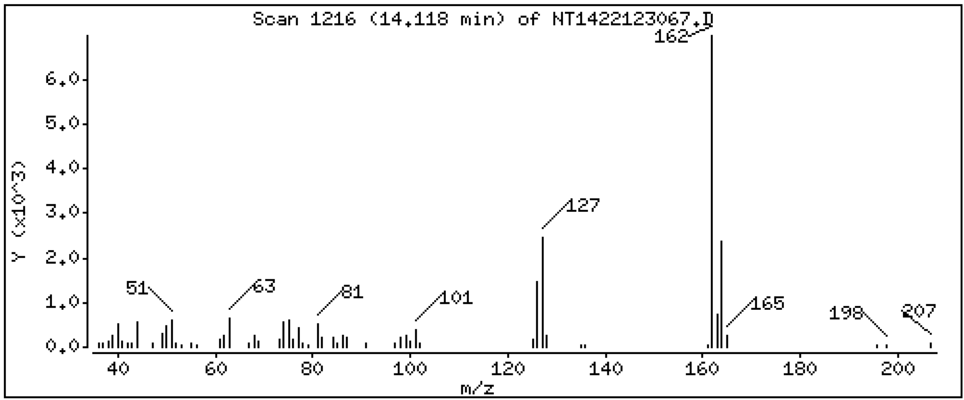
Operator: VTS

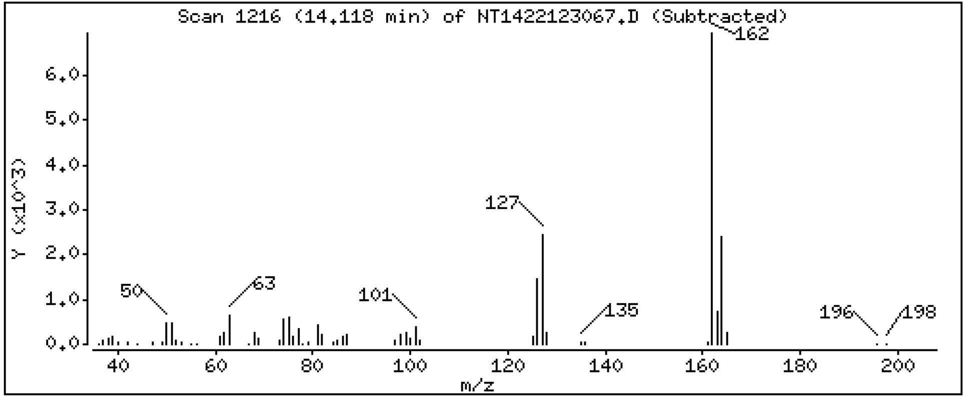
Column phase: ZB-5msi

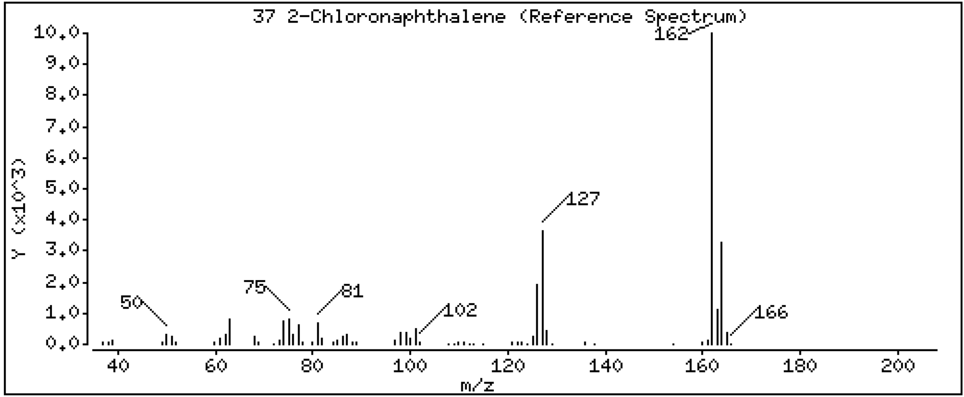
Column diameter: 0.25

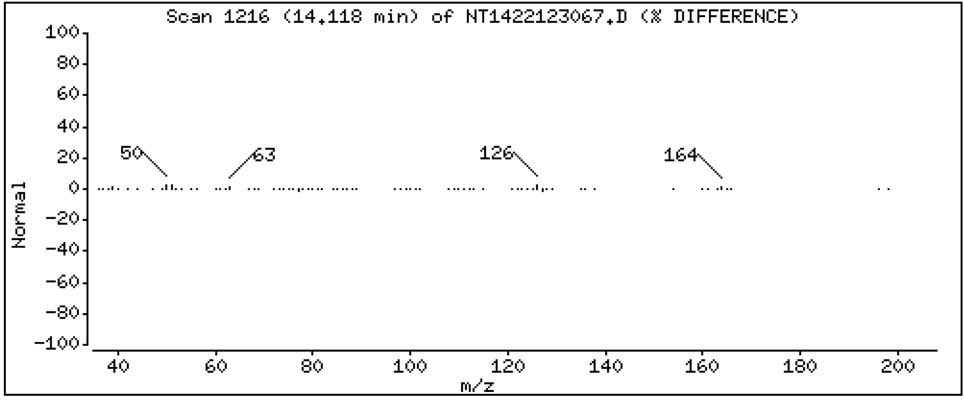
37 2-Chloronaphthalene

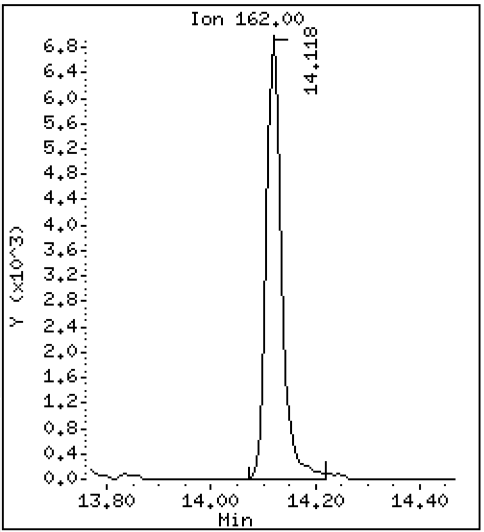
Concentration: 0.2346 ug/mL

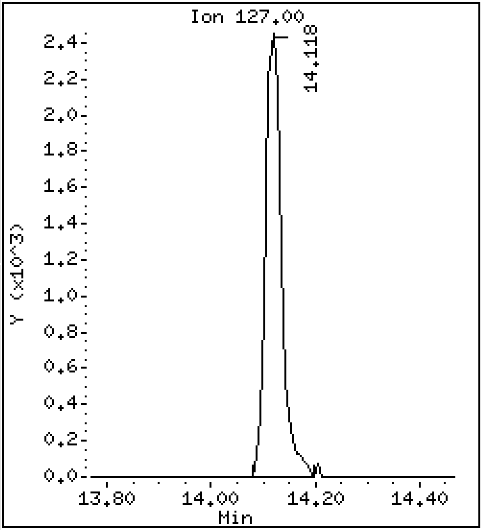


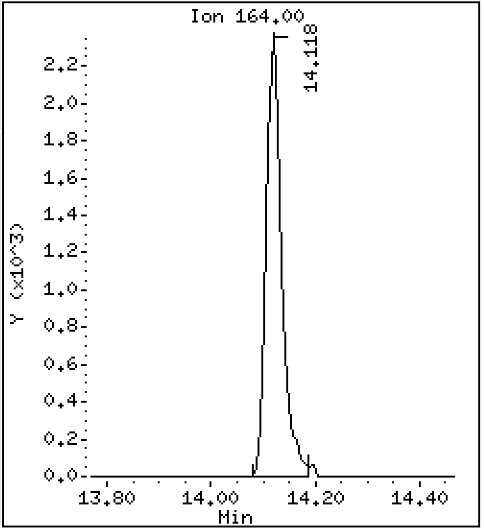












Data File: \\target\share\chem3\nt14.i\20221230C.b\NT1422123067.D

Date : 01-JAN-2023 00:06

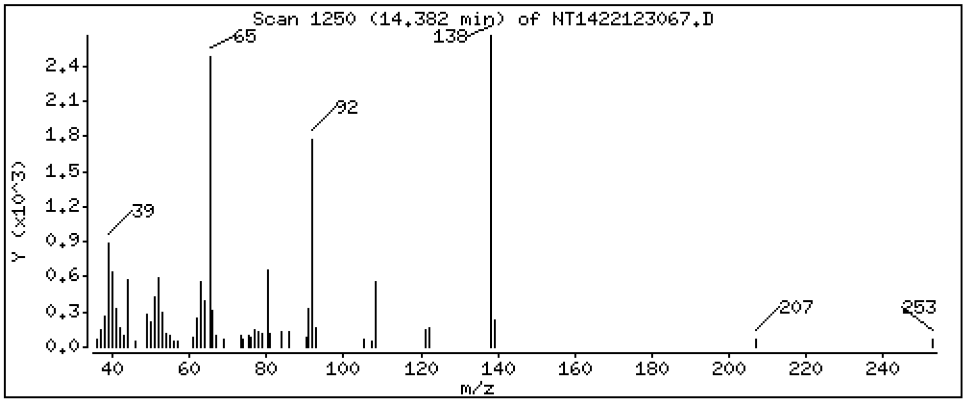
Client ID: Instrument: nt14.i

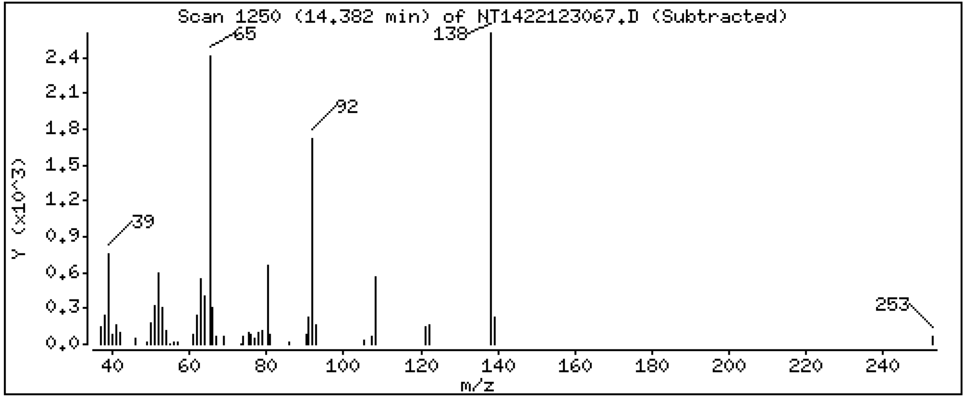
Sample Info: SKL0355-LCV3

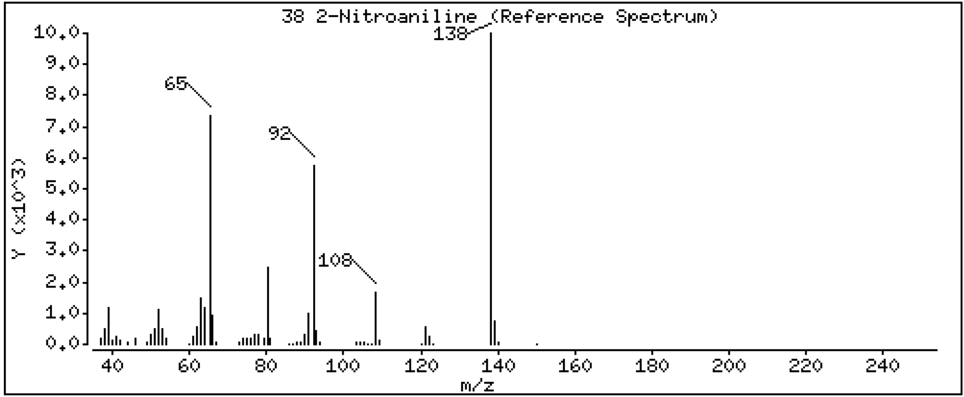
Operator: VTS

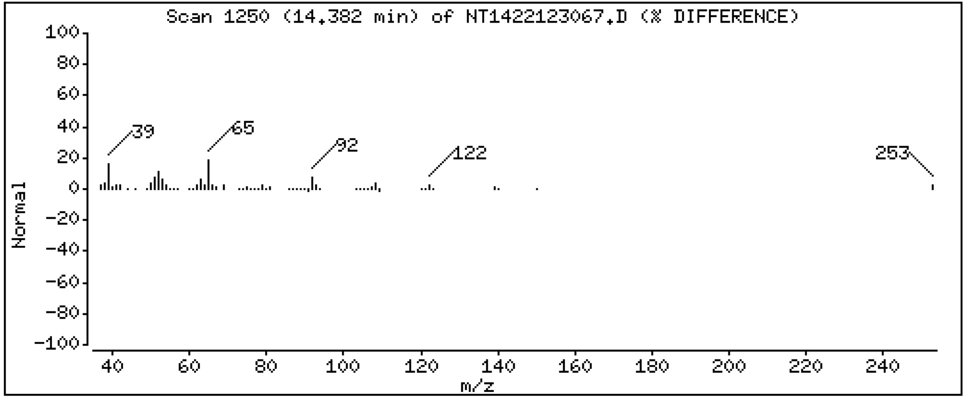
Column phase: ZB-5msi Column diameter: 0.25

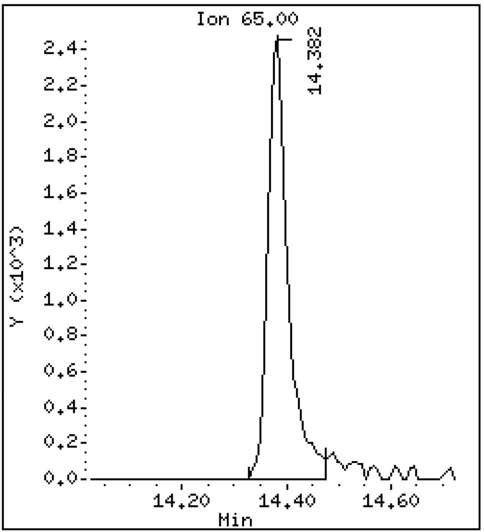
38 2-Nitroaniline Concentration: 0.4296 ug/mL

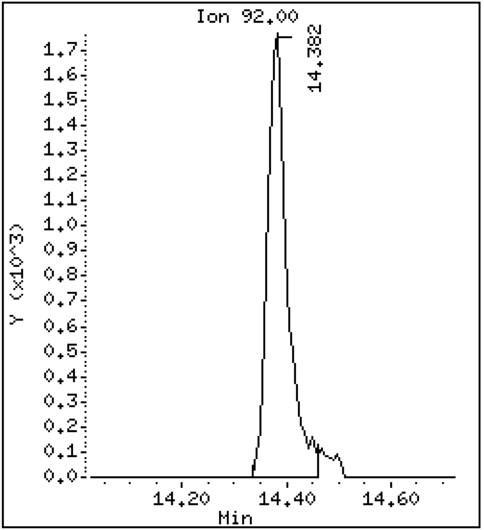


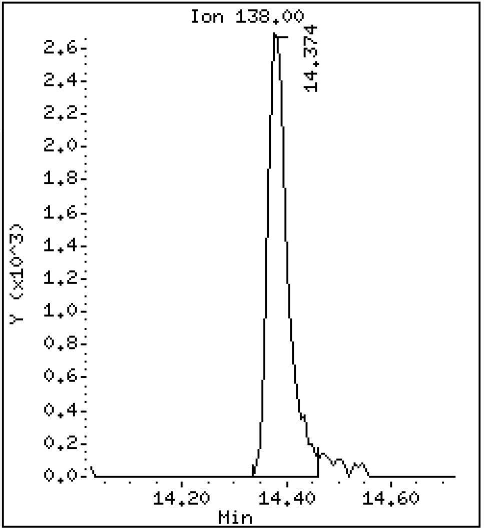












Data File: \\target\share\chem3\nt14.i\20221230C.b\NT1422123067.D

Date : 01-JAN-2023 00:06

Client ID:

Instrument: nt14.i

Sample Info: SKL0355-LCV3

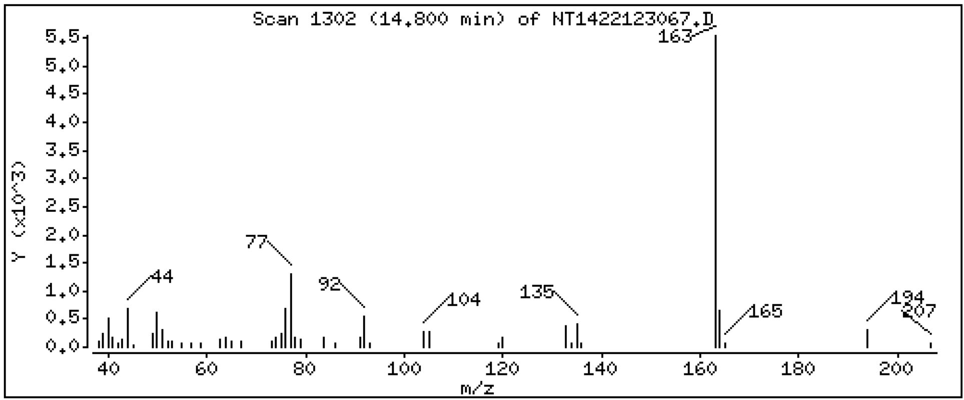
Operator: VTS

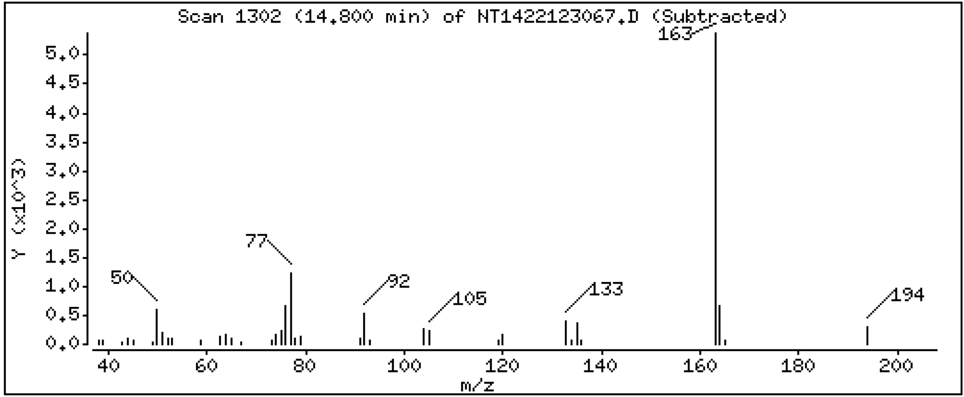
Column phase: ZB-5msi

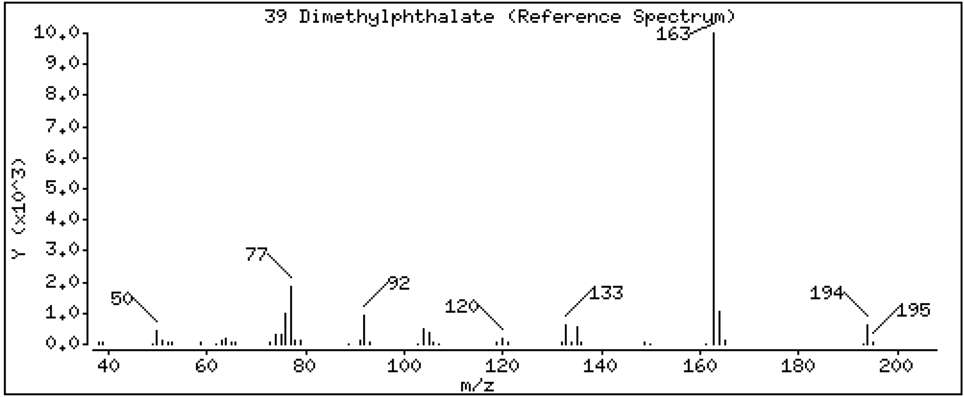
Column diameter: 0.25

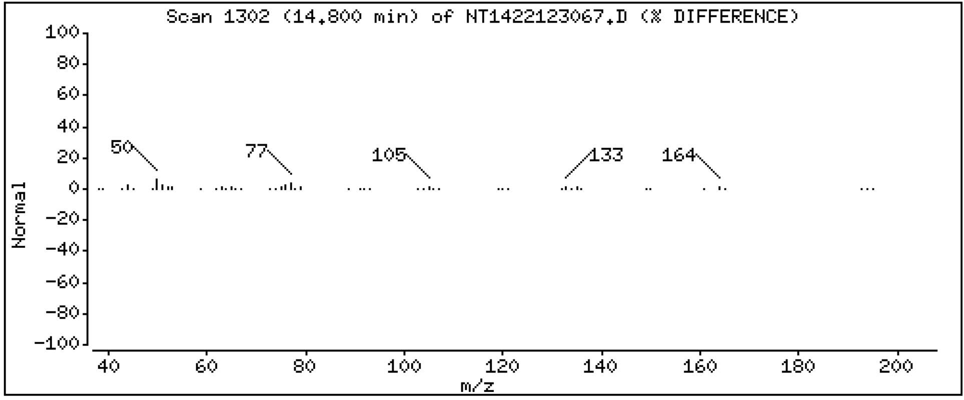
39 Dimethylphthalate

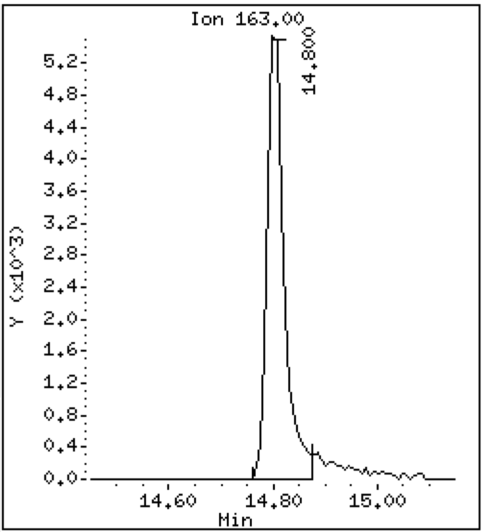
Concentration: 0.2138 ug/mL

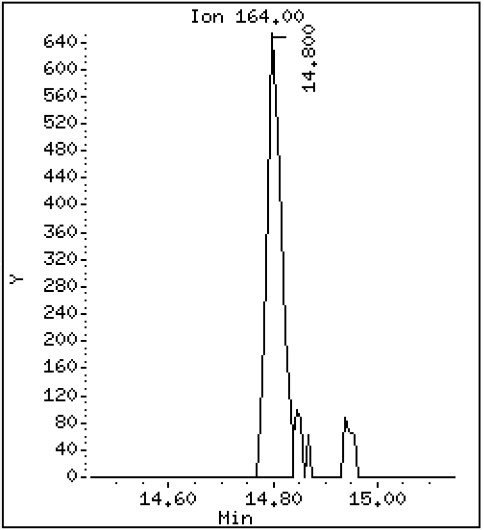

Scan 1302 (14.800 min) of NT1422123067.D

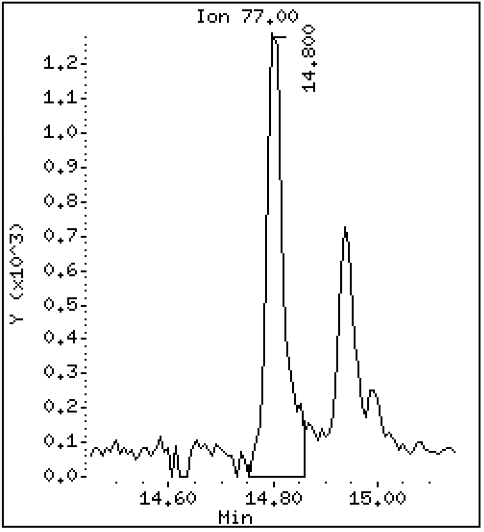

Scan 1302 (14.800 min) of NT1422123067.D (Subtracted)


39 Dimethylphthalate (Reference Spectrum)


Scan 1302 (14.800 min) of NT1422123067.D (% DIFFERENCE)


Ion 163.00


Ion 164.00


Ion 77.00

Data File: \\target\share\chem3\nt14.i\20221230C.b\NT1422123067.D

Date : 01-JAN-2023 00:06

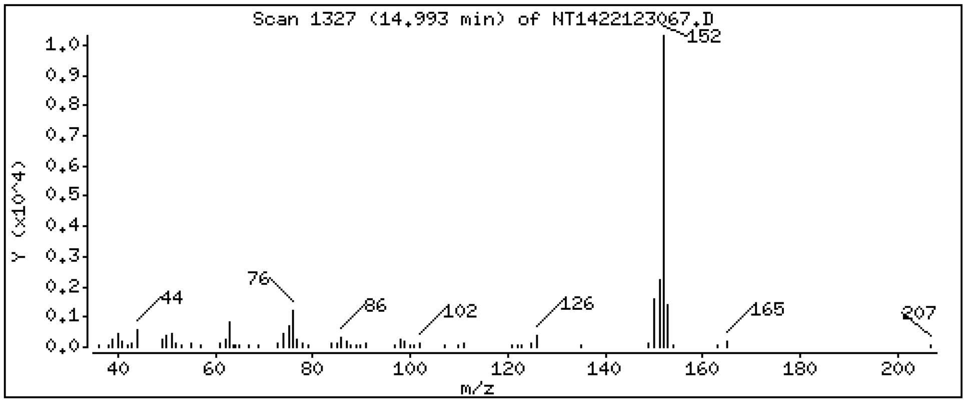
Client ID: Instrument: nt14.i

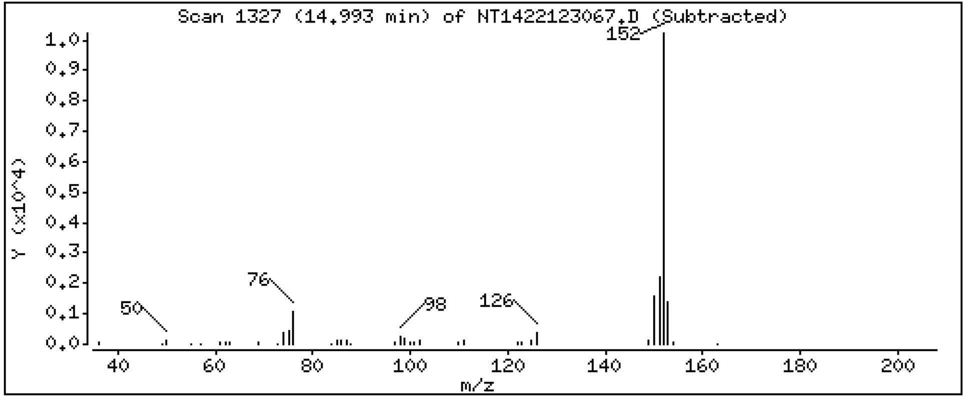
Sample Info: SKL0355-LCV3

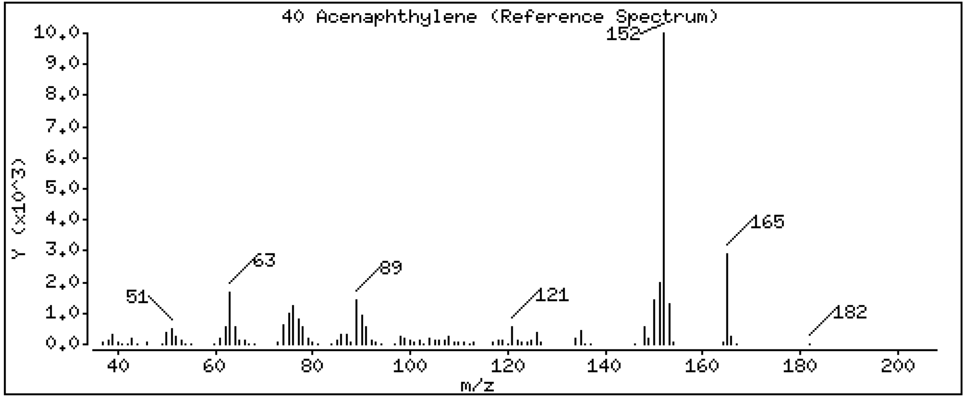
Operator: VTS

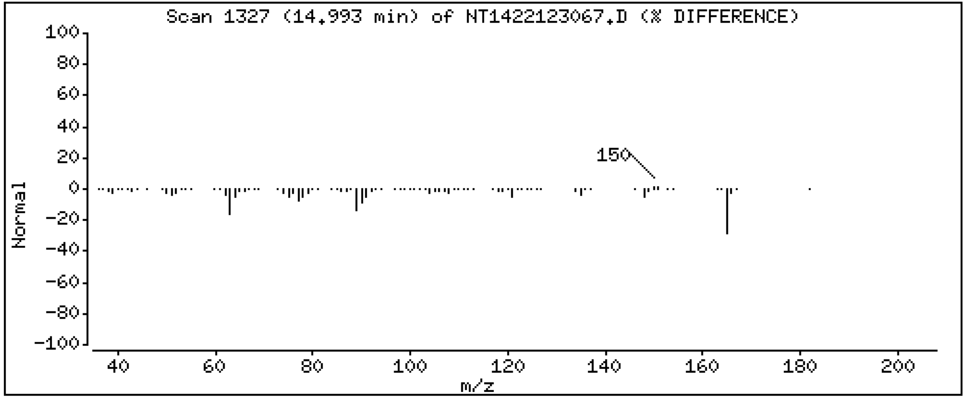
Column phase: ZB-5msi Column diameter: 0.25

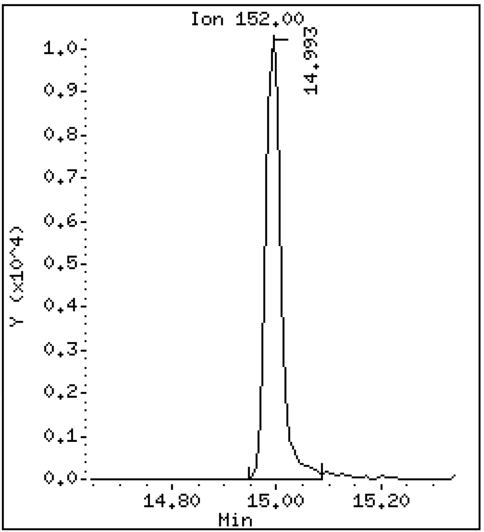
40 Acenaphthylene Concentration: 0.2291 ug/mL


Scan 1327 (14.993 min) of NT1422123067.D


Scan 1327 (14.993 min) of NT1422123067.D (Subtracted)


40 Acenaphthylene (Reference Spectrum)


Scan 1327 (14.993 min) of NT1422123067.D (% DIFFERENCE)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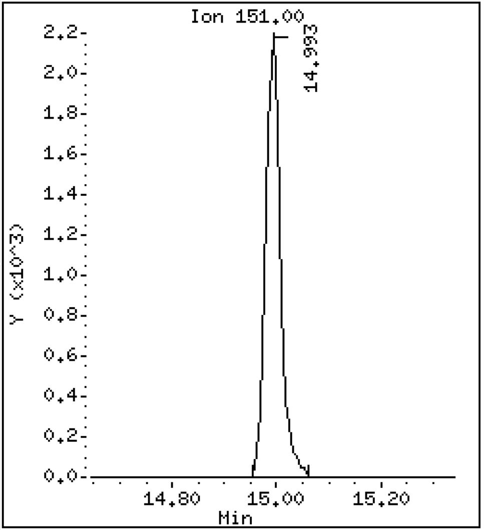
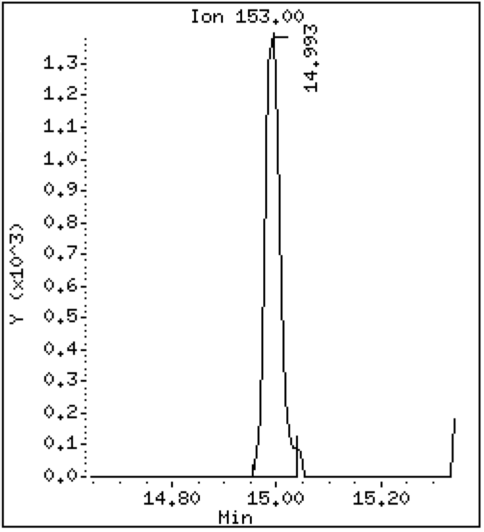

Ion 151.00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Date : 01-JAN-2023 00:06

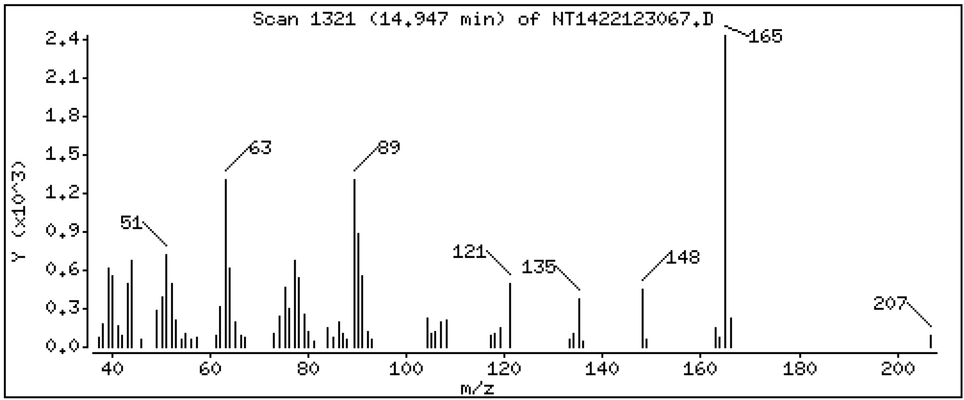
Client ID: Instrument: nt14.i

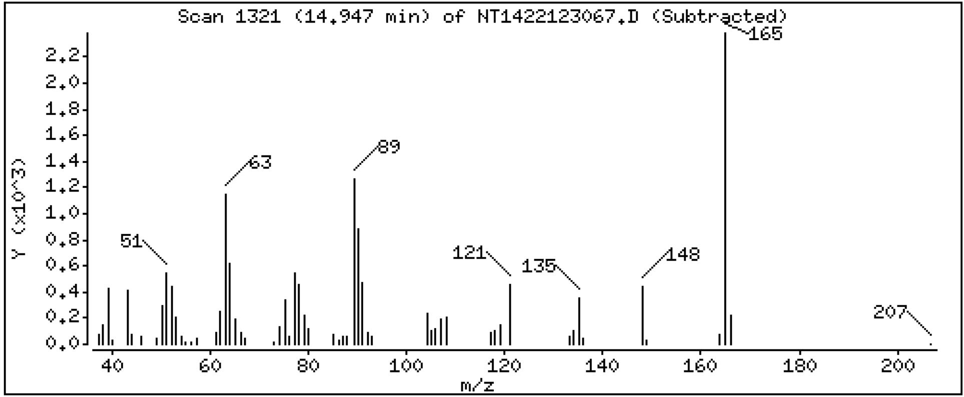
Sample Info: SKL0355-LCV3

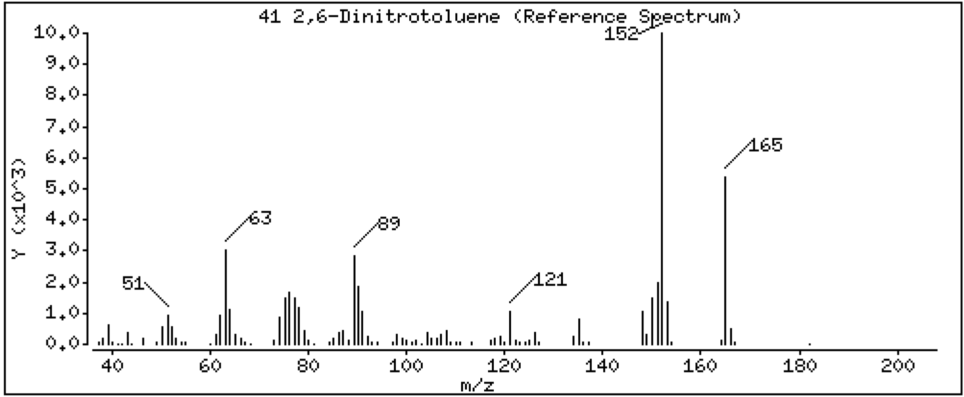
Operator: VTS

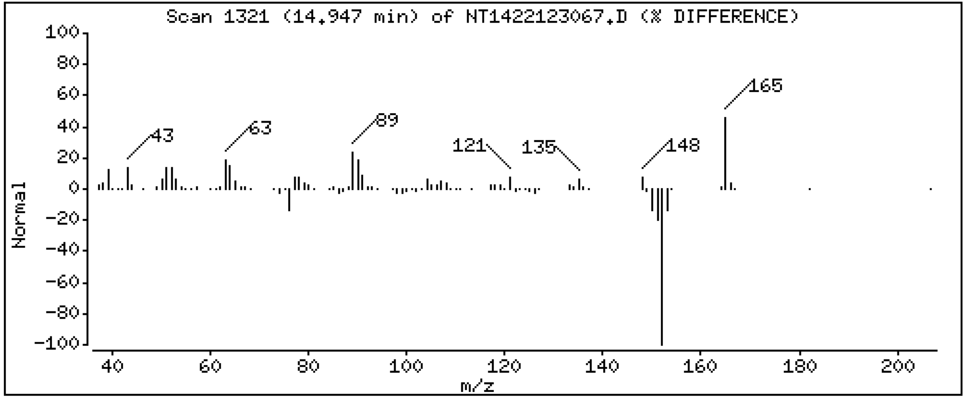
Column phase: ZB-5msi Column diameter: 0.25

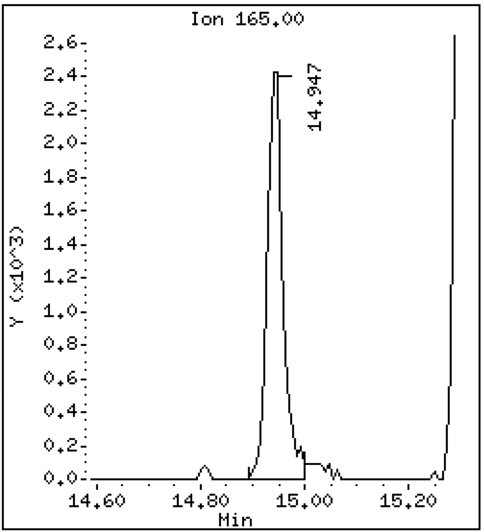
41 2,6-Dinitrotoluene Concentration: 0.3820 ug/mL

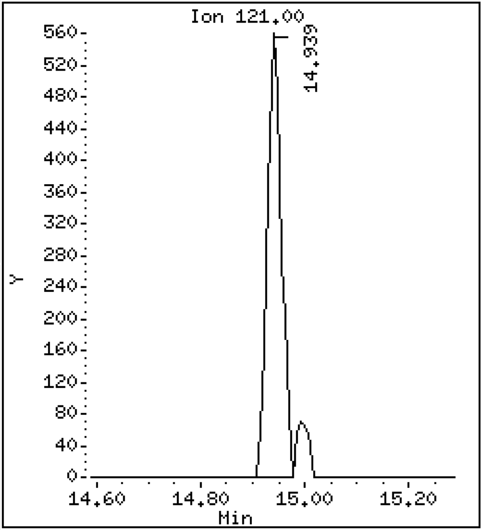

Scan 1321 (14.947 min) of NT1422123067.D

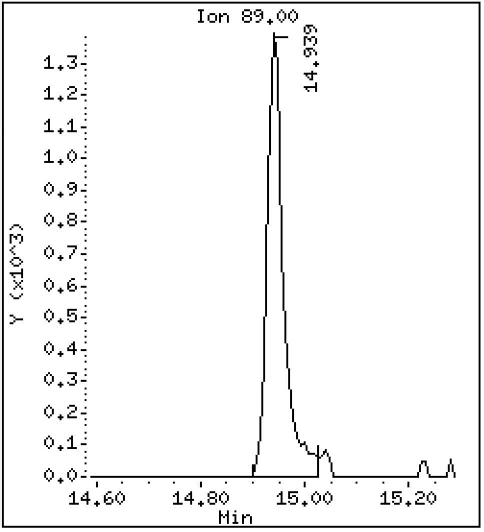

Scan 1321 (14.947 min) of NT1422123067.D (Subtracted)


41 2,6-Dinitrotoluene (Reference Spectrum)


Scan 1321 (14.947 min) of NT1422123067.D (% DIFFERENCE)


Ion 165.00


Ion 121.00


Ion 89.00

Data File: \\target\share\chem3\nt14.i\20221230C.b\NT1422123067.D

Date : 01-JAN-2023 00:06

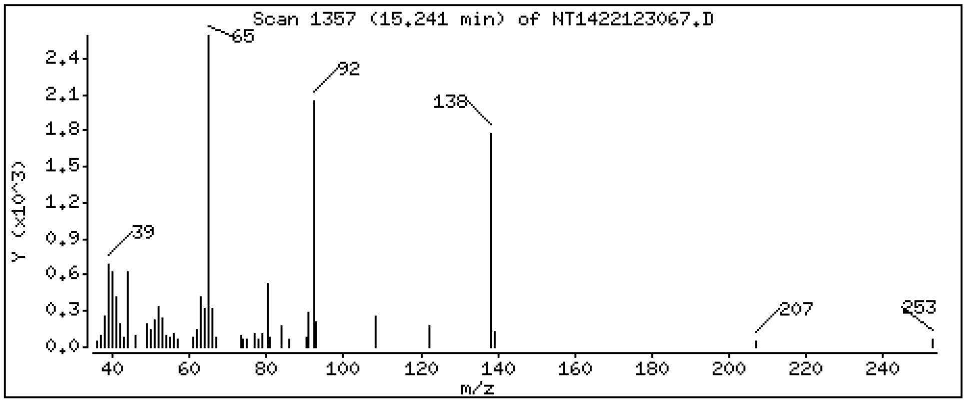
Client ID: Instrument: nt14.i

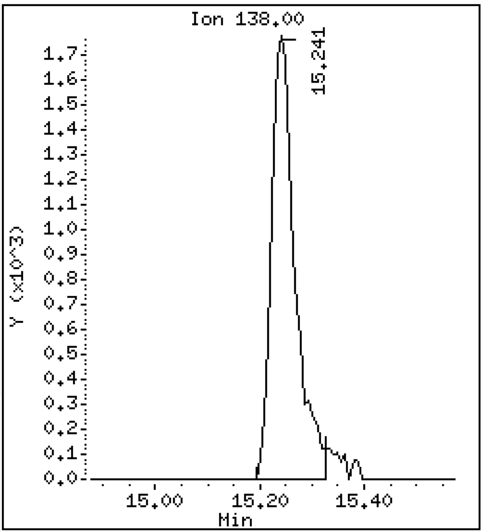
Sample Info: SKL0355-LCV3

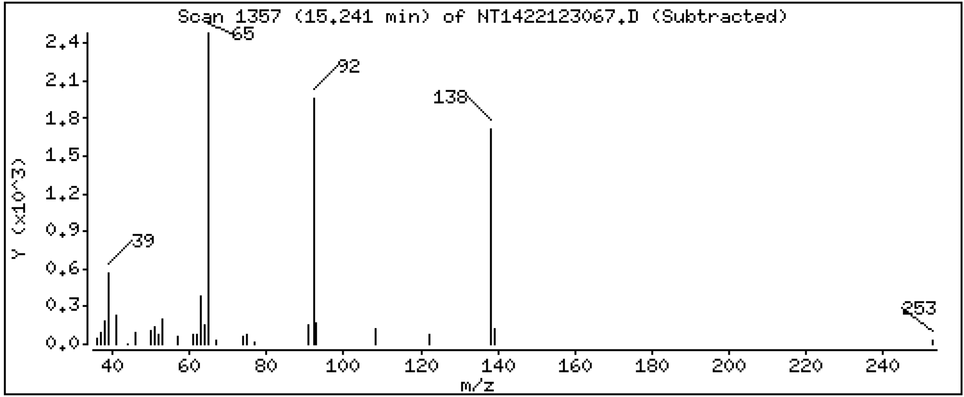
Operator: VTS

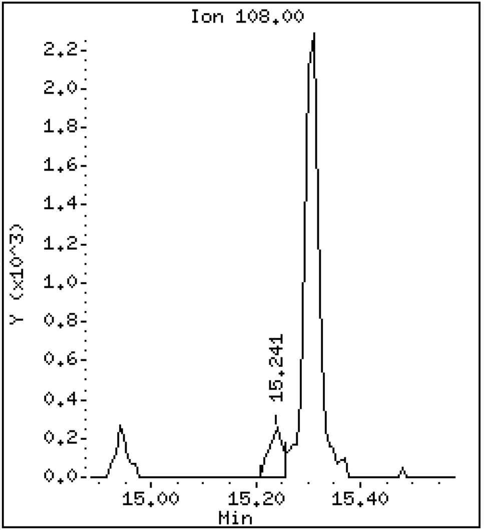
Column phase: ZB-5msi Column diameter: 0.25

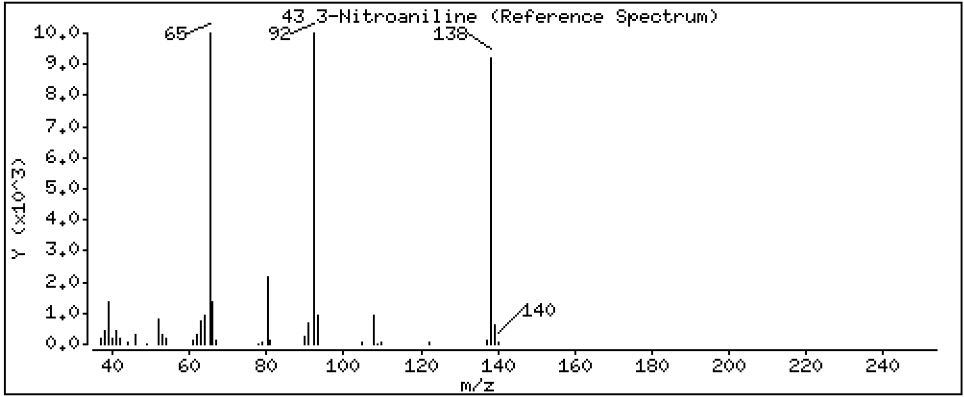
43 3-Nitroaniline Concentration: 0.3563 ug/mL

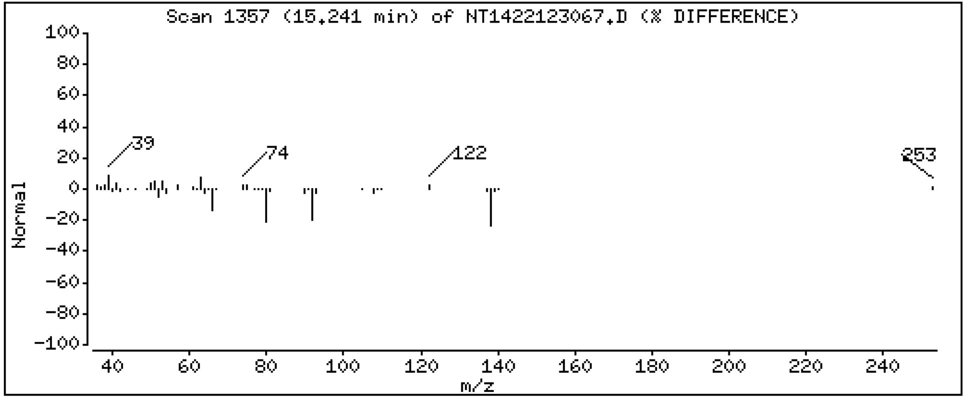


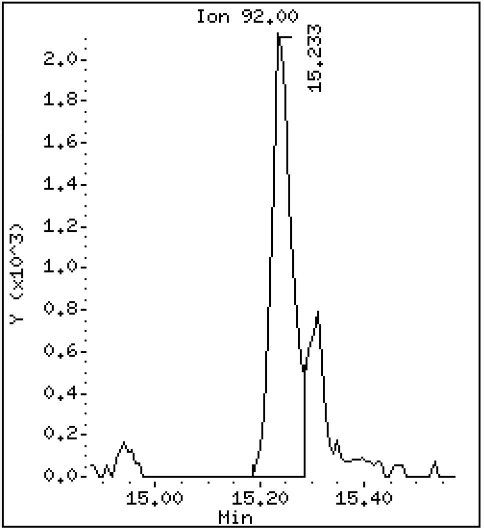












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Date : 01-JAN-2023 00:06

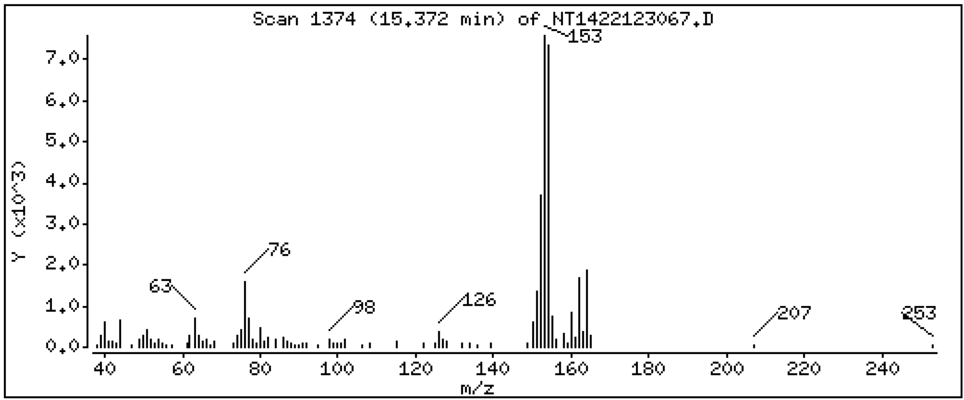
Client ID: Instrument: nt14.i

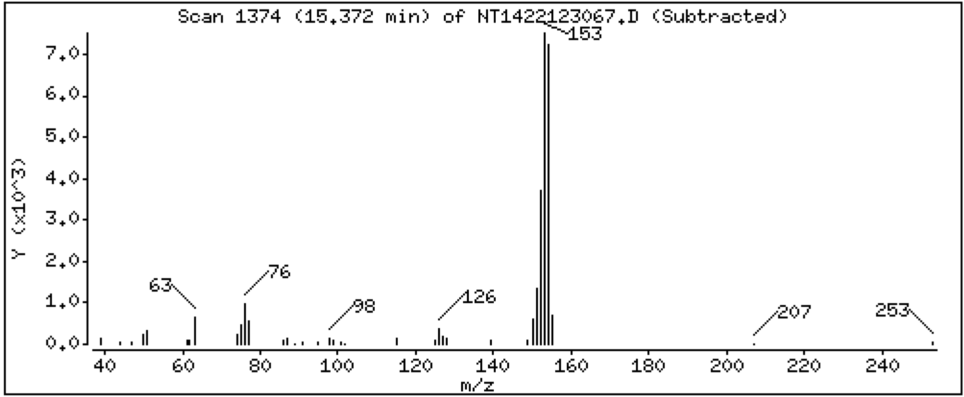
Sample Info: SKL0355-LCV3

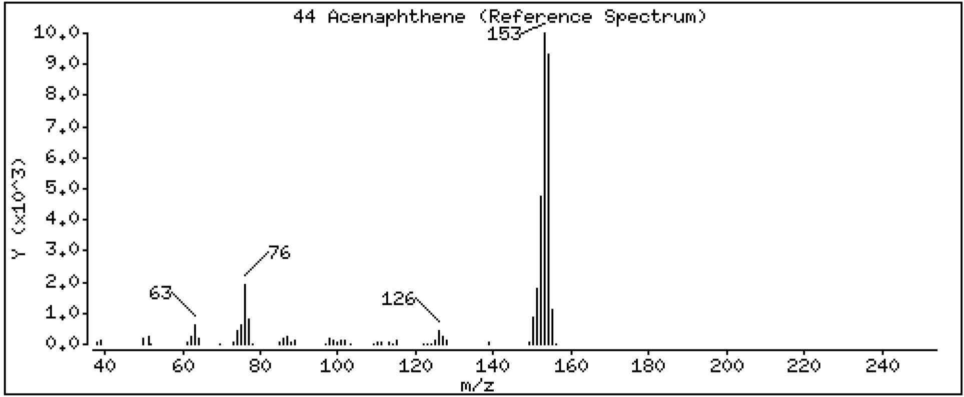
Operator: VTS

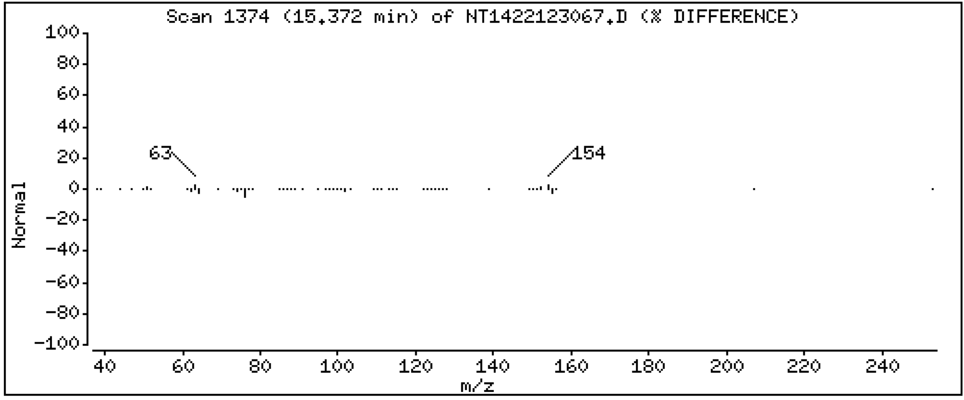
Column phase: ZB-5msi Column diameter: 0.25

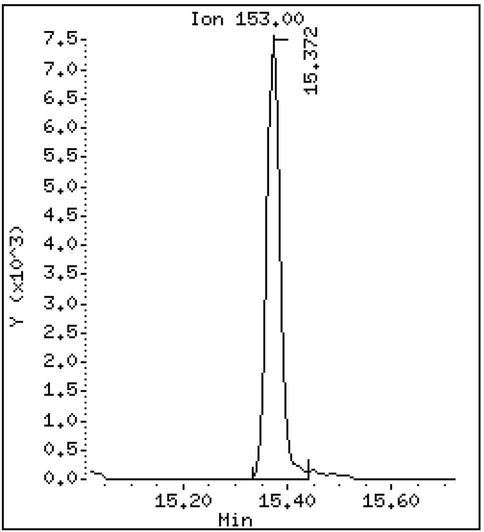
44 Acenaphthene Concentration: 0.2358 ug/mL

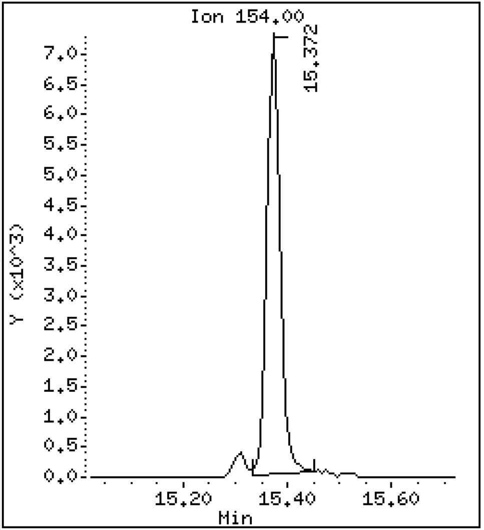


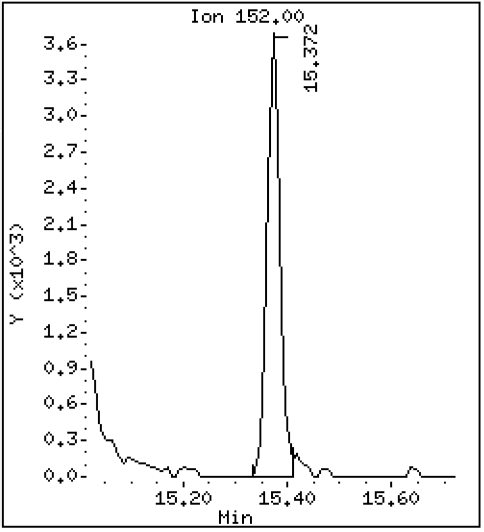












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Date : 01-JAN-2023 00:06

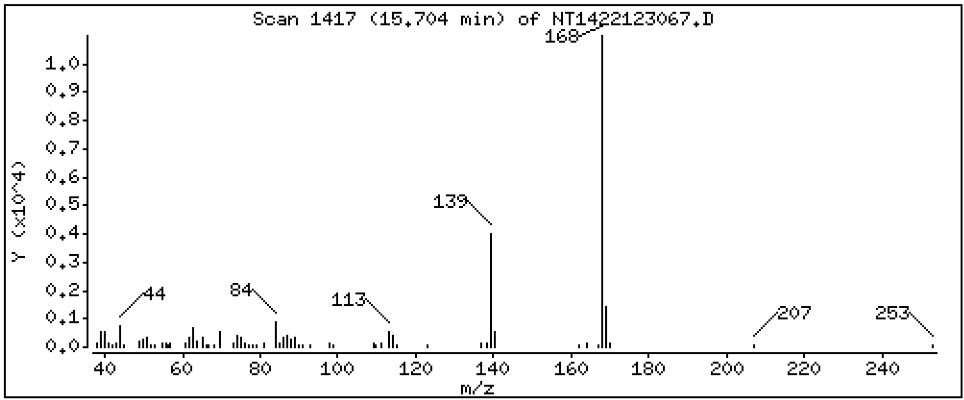
Client ID: Instrument: nt14.i

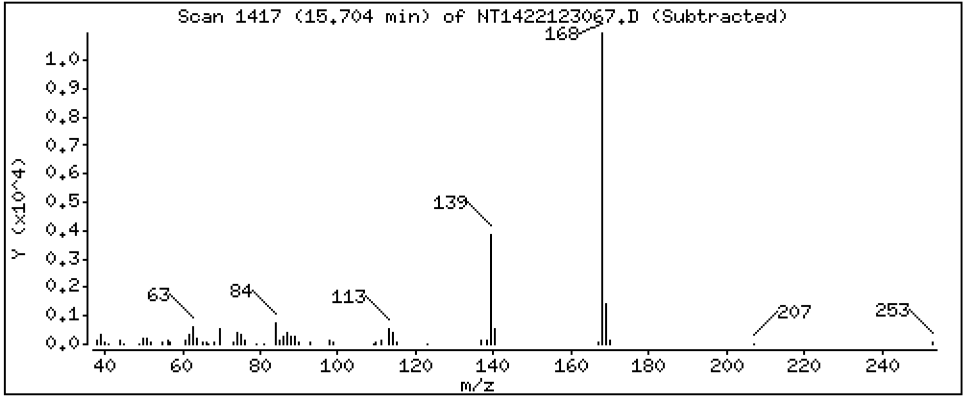
Sample Info: SKL0355-LCV3

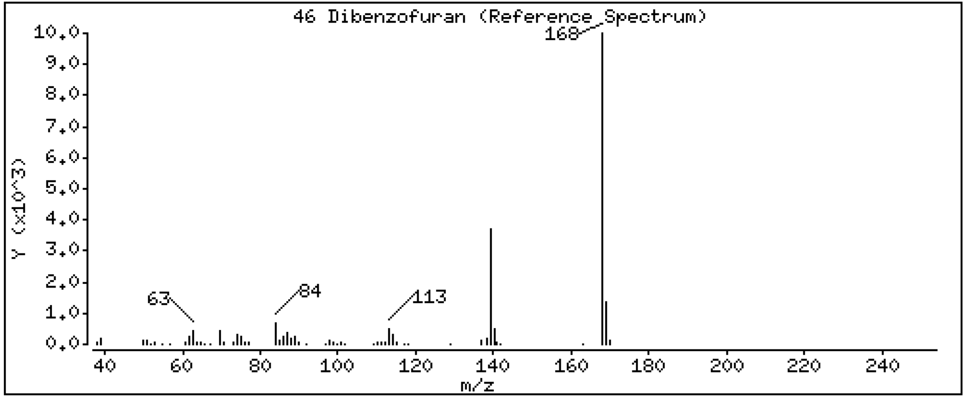
Operator: VTS

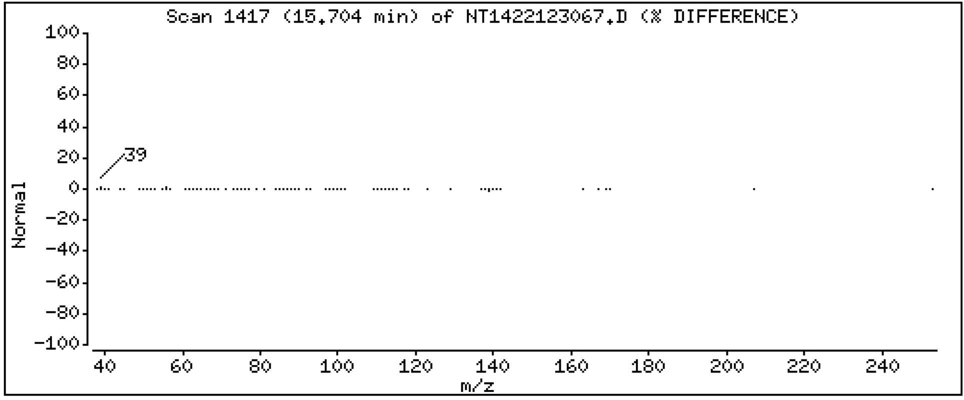
Column phase: ZB-5msi Column diameter: 0.25

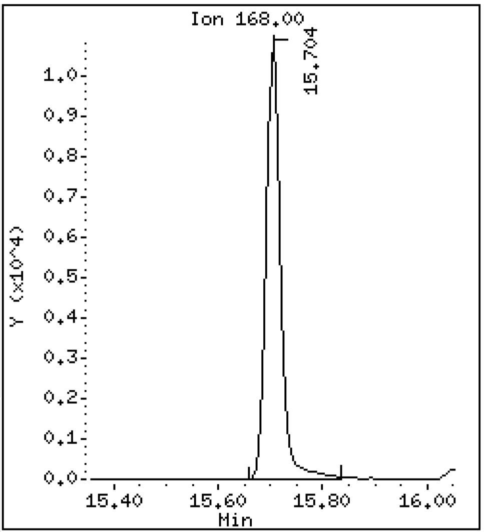
46 Dibenzofuran Concentration: 0.2405 ug/mL

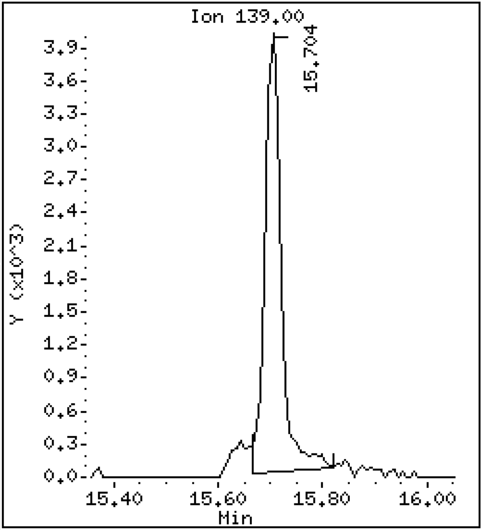

Scan 1417 (15.704 min) of NT1422123067.D

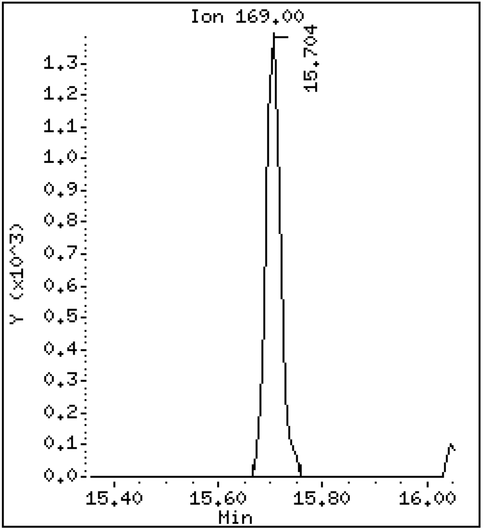

Scan 1417 (15.704 min) of NT1422123067.D (Subtracted)


46 Dibenzofuran (Reference Spectrum)


Scan 1417 (15.704 min) of NT1422123067.D (% DIFFERENCE)


Ion 168.00


Ion 139.00


Ion 169.00

Data File: \\target\share\chem3\nt14.i\20221230C.b\NT1422123067.D

Date : 01-JAN-2023 00:06

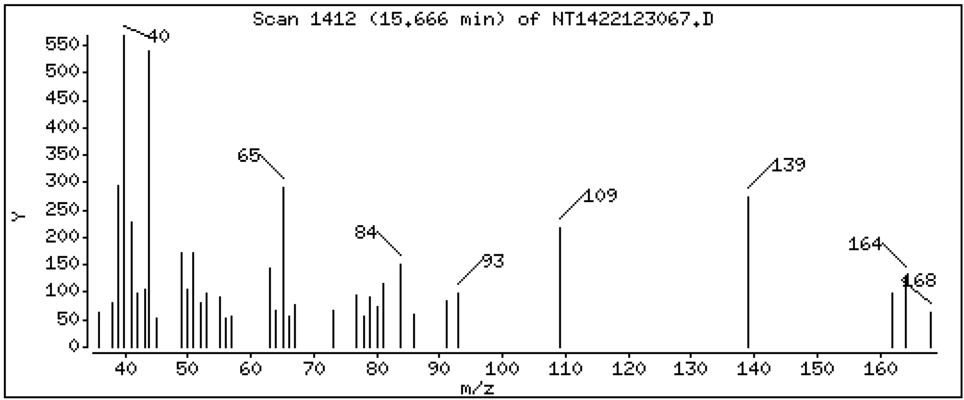
Client ID: Instrument: nt14.i

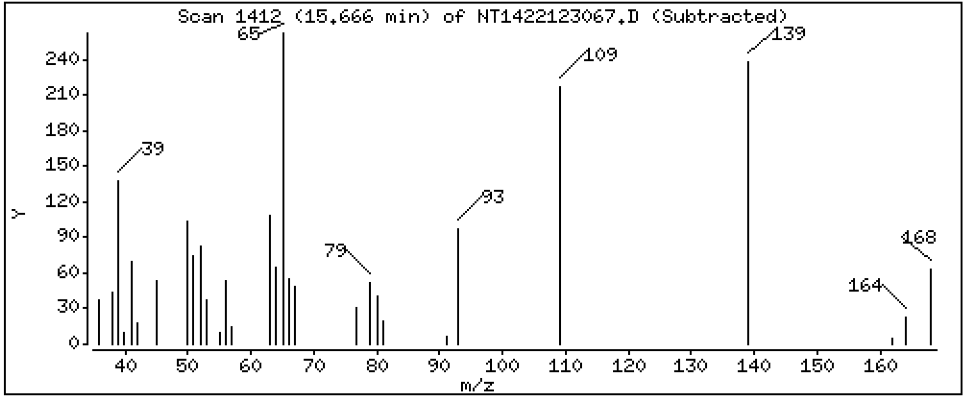
Sample Info: SKL0355-LCV3

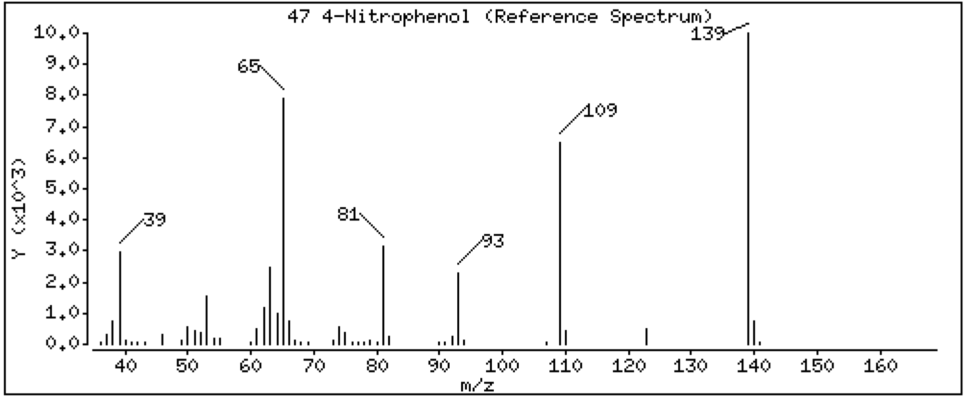
Operator: VTS

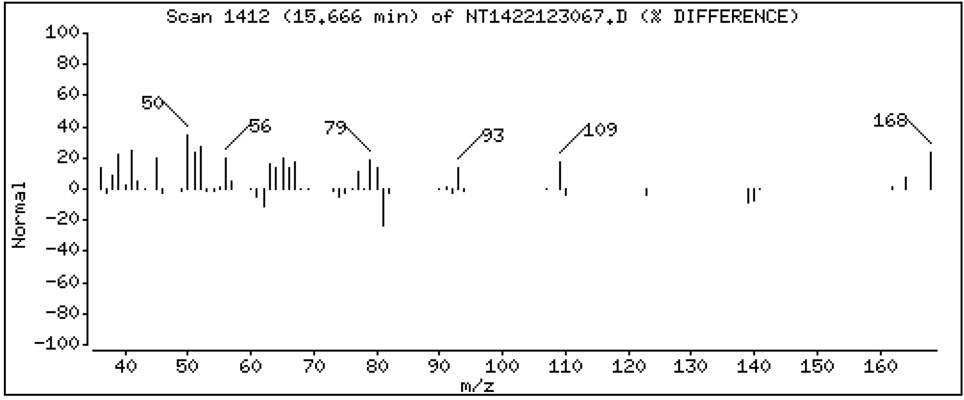
Column phase: ZB-5msi Column diameter: 0.25

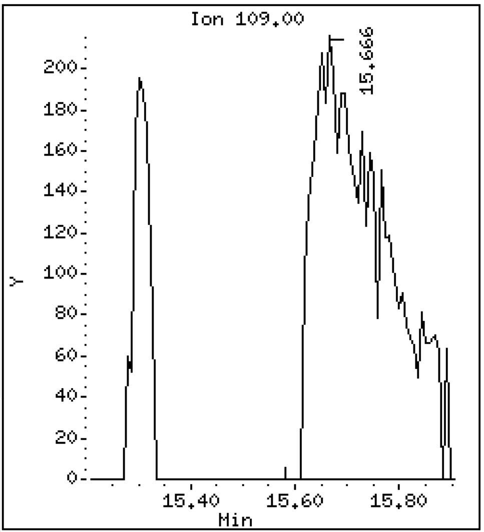
47 4-Nitrophenol Concentration: 0.2680 ug/mL

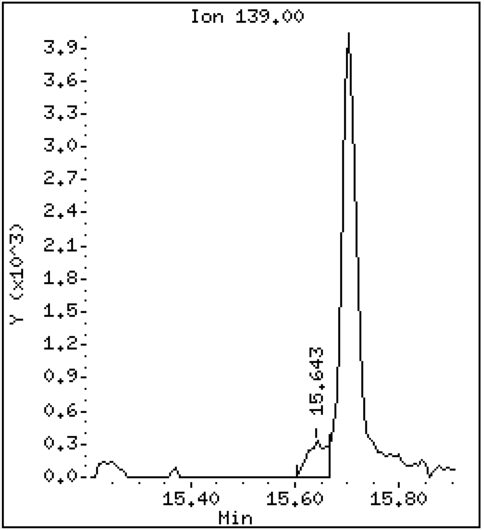

Scan 1412 (15.666 min) of NT1422123067.D

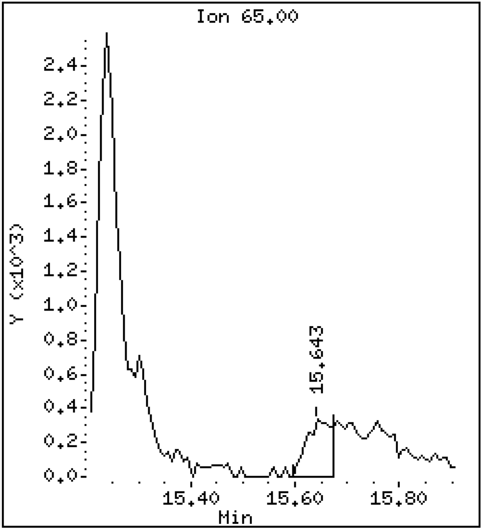

Scan 1412 (15.666 min) of NT1422123067.D (Subtracted)


47 4-Nitrophenol (Reference Spectrum)


Scan 1412 (15.666 min) of NT1422123067.D (% DIFFERENCE)


Ion 109.00


Ion 139.00


Ion 65.00

Data File: \\target\share\chem3\nt14.i\20221230C.b\NT1422123067.D

Date : 01-JAN-2023 00:06

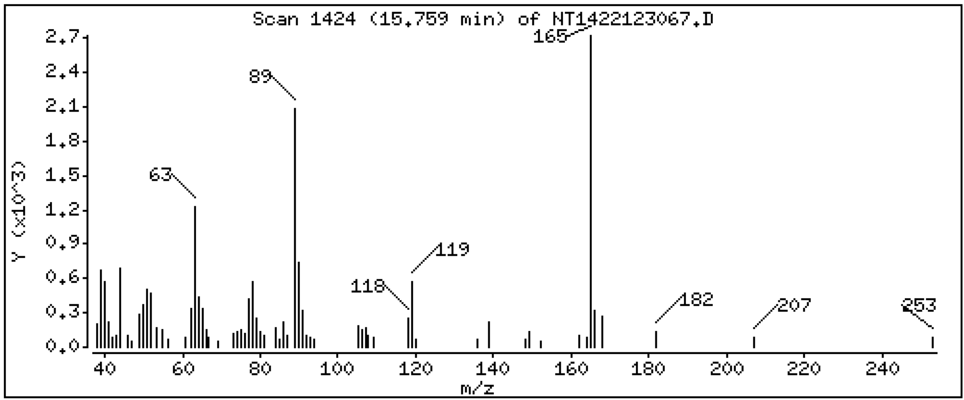
Client ID: Instrument: nt14.i

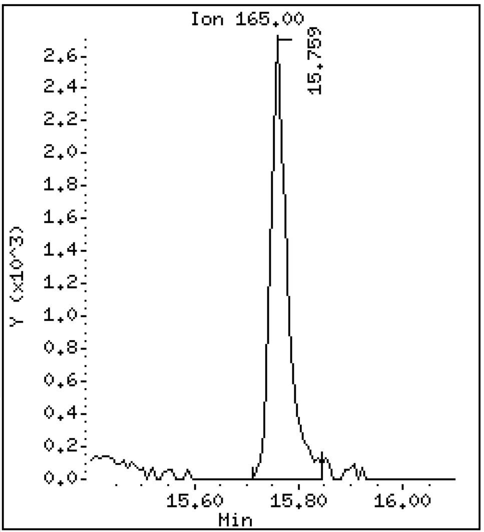
Sample Info: SKL0355-LCV3

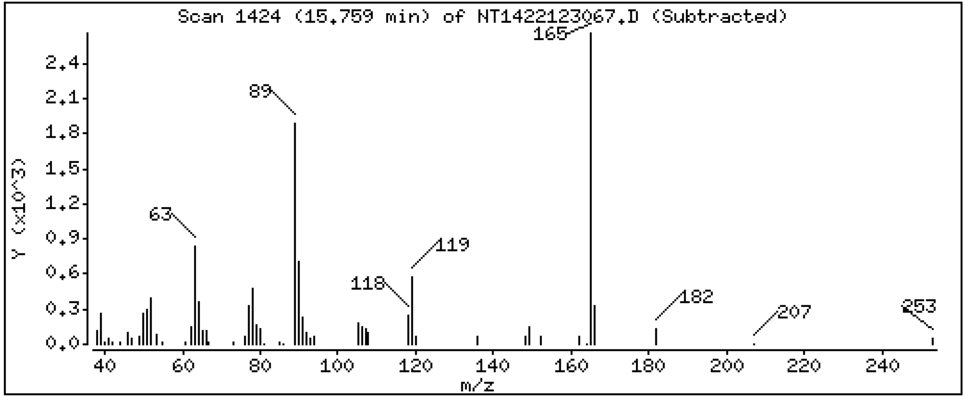
Operator: VTS

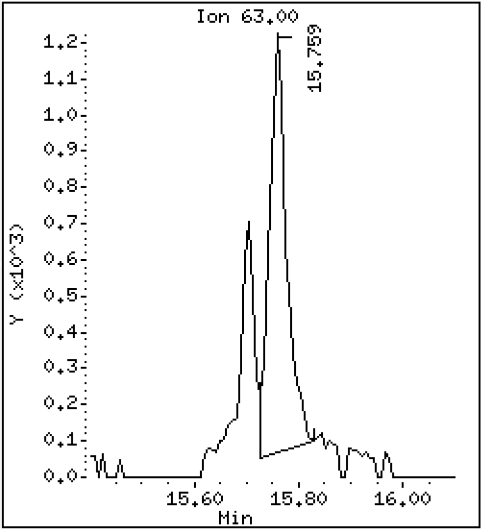
Column phase: ZB-5msi Column diameter: 0.25

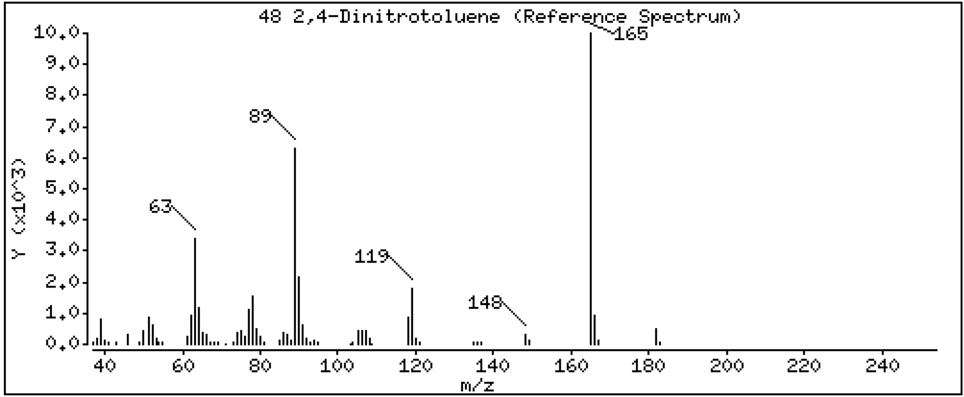
48 2,4-Dinitrotoluene Concentration: 0.3389 ug/mL

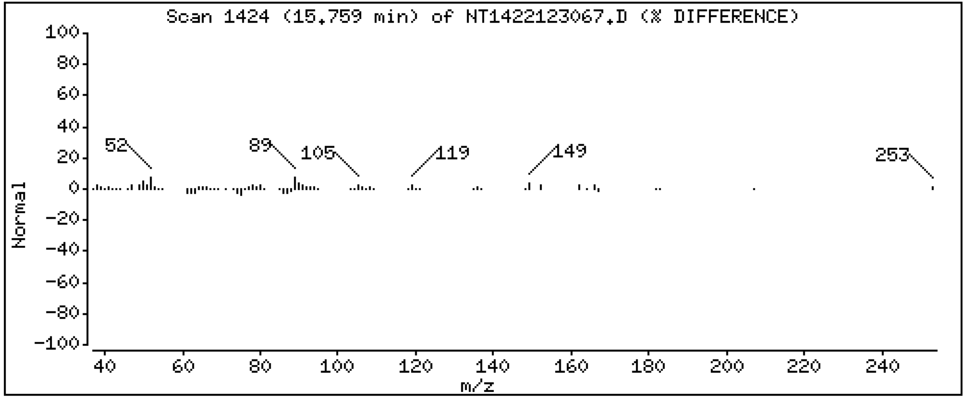


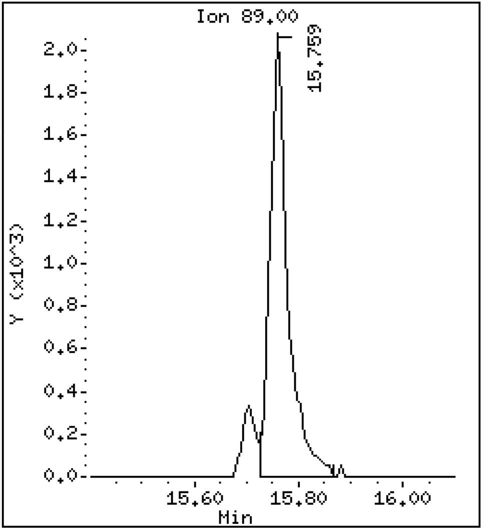












Data File: \\target\share\chem3\nt14.i\20221230C.b\NT1422123067.D

Date : 01-JAN-2023 00:06

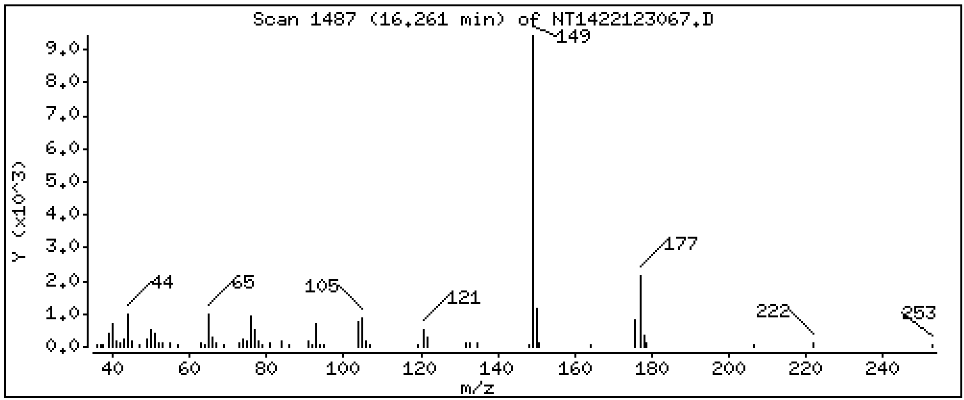
Client ID: Instrument: nt14.i

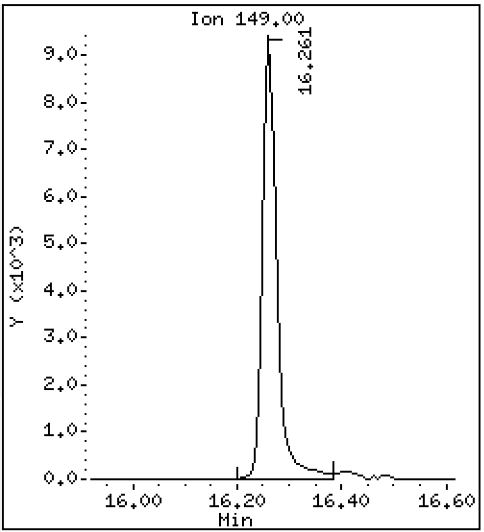
Sample Info: SKL0355-LCV3

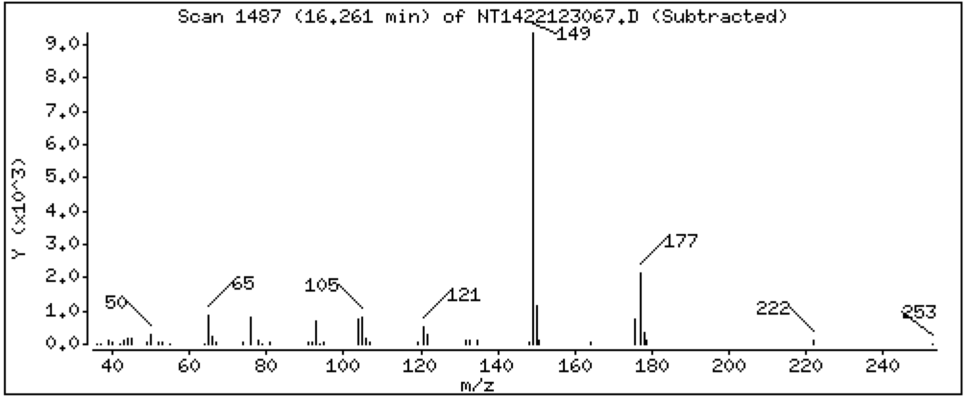
Operator: VTS

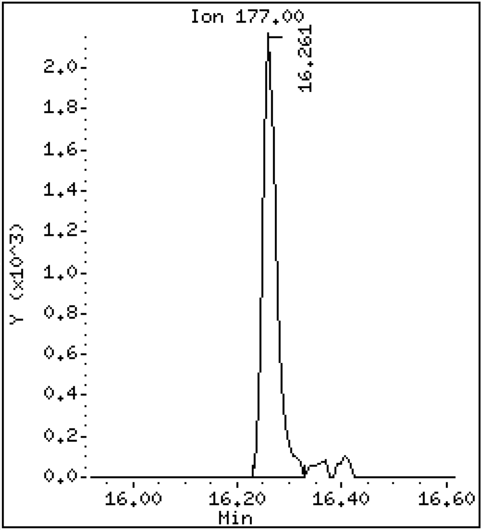
Column phase: ZB-5msi Column diameter: 0.25

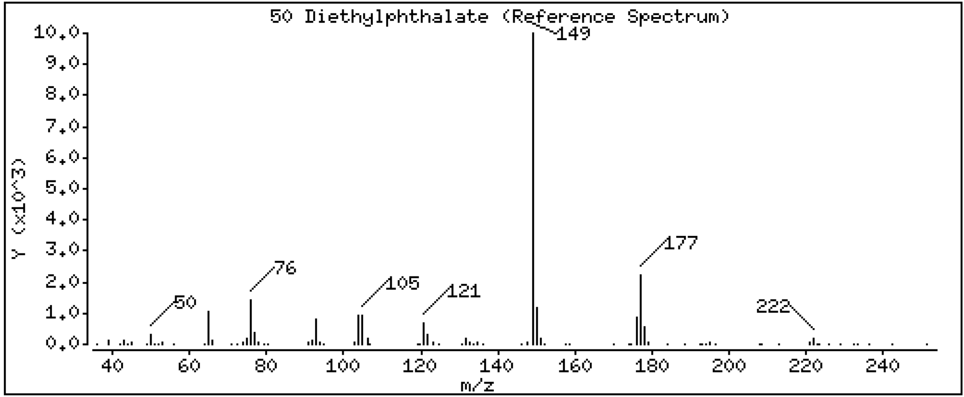
50 Diethylphthalate Concentration: 0.2595 ug/mL

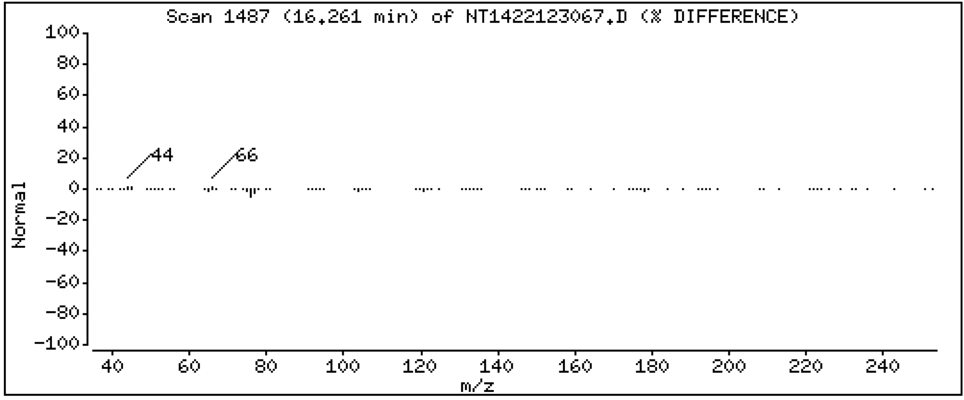


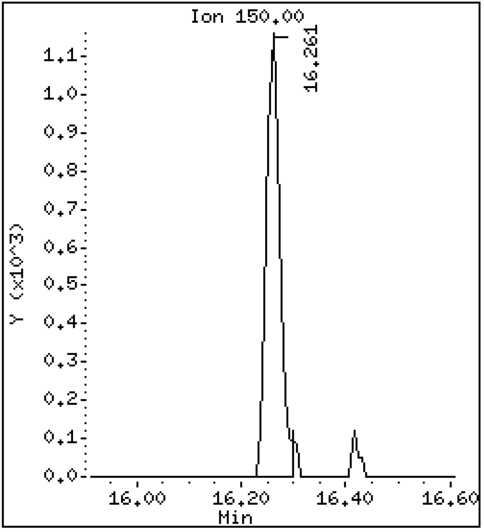












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Date : 01-JAN-2023 00:06

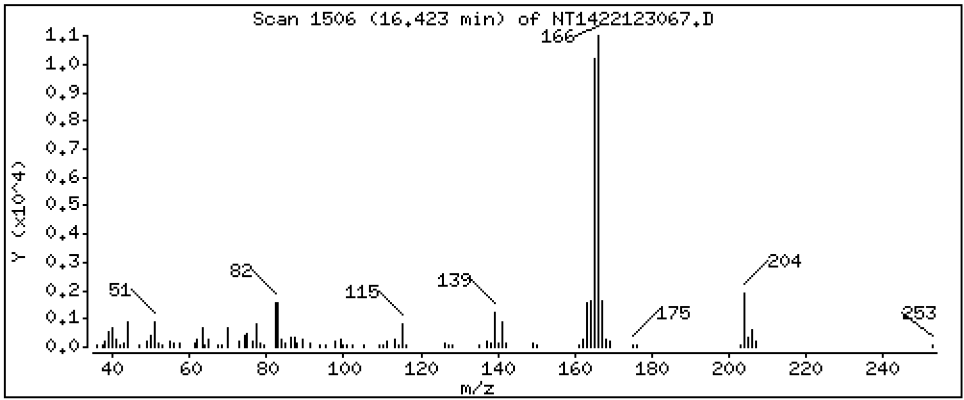
Client ID: Instrument: nt14.i

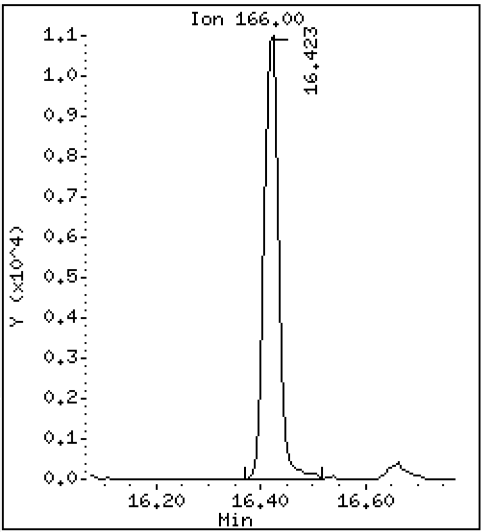
Sample Info: SKL0355-LCV3

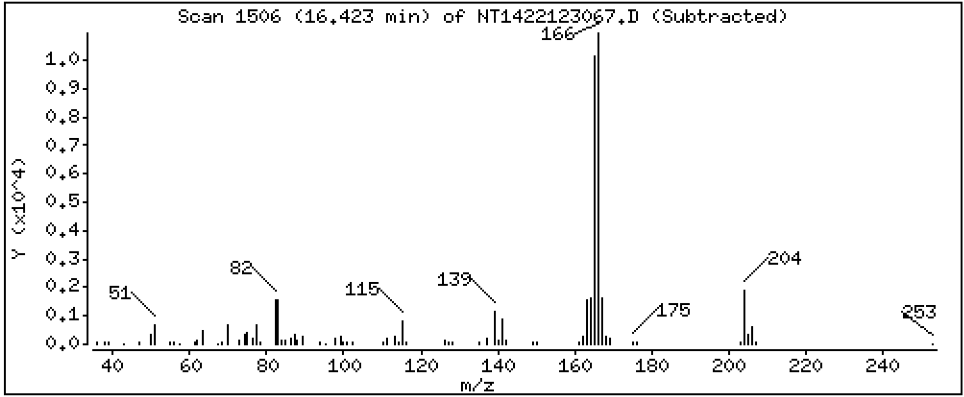
Operator: VTS

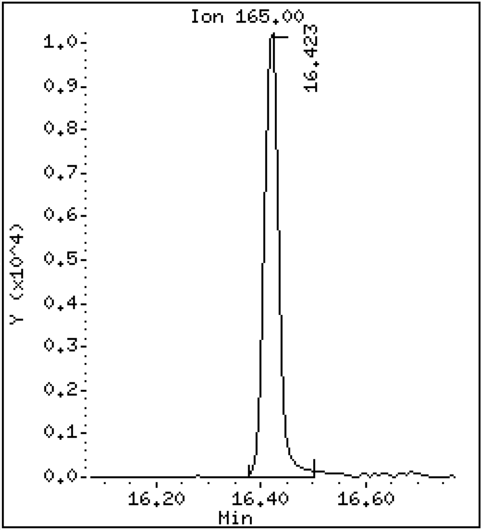
Column phase: ZB-5msi Column diameter: 0.25

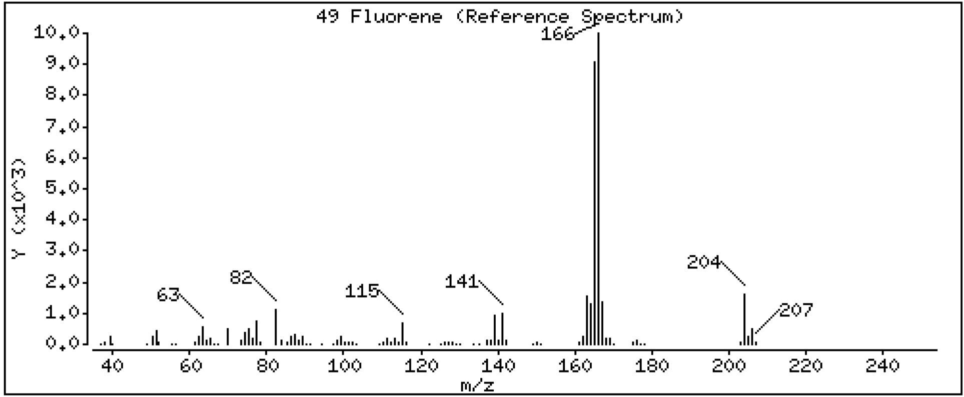
49 Fluorene Concentration: 0.2334 ug/mL

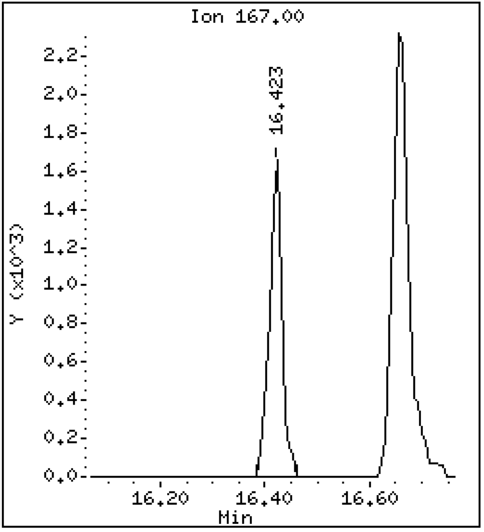

Scan 1506 (16.423 min) of NT1422123067.D

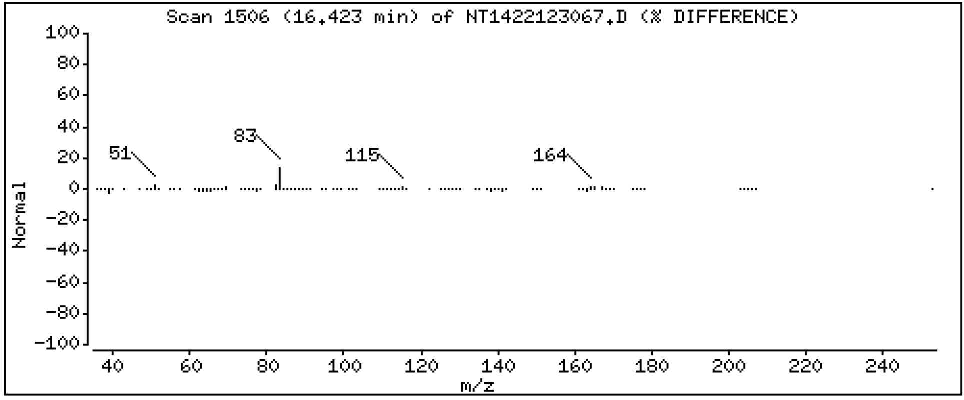

Ion 166.00


Scan 1506 (16.423 min) of NT1422123067.D (Subtracted)


Ion 165.00


49 Fluorene (Reference Spectrum)


Ion 167.00


Scan 1506 (16.423 min) of NT1422123067.D (% DIFFERENCE)

Data File: \\target\share\chem3\nt14.i\20221230C.b\NT1422123067.D

Date : 01-JAN-2023 00:06

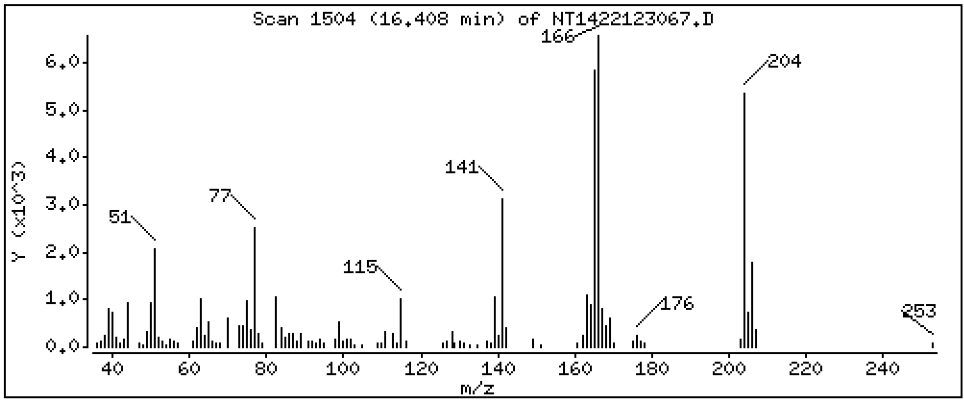
Client ID: Instrument: nt14.i

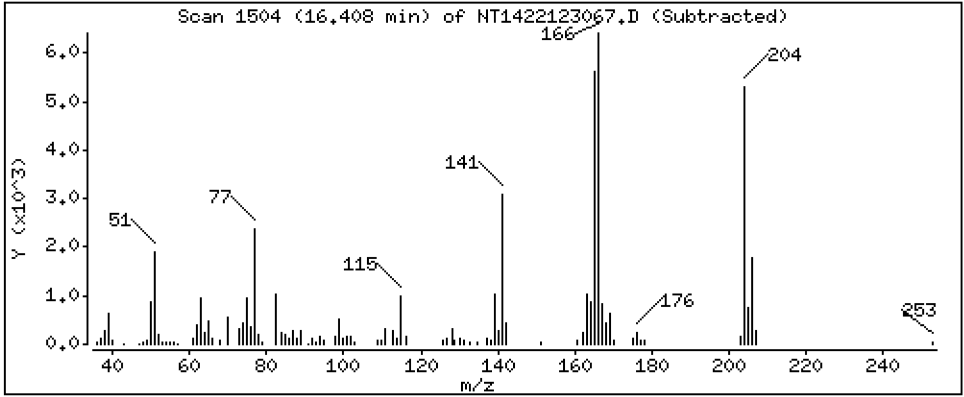
Sample Info: SKL0355-LCV3

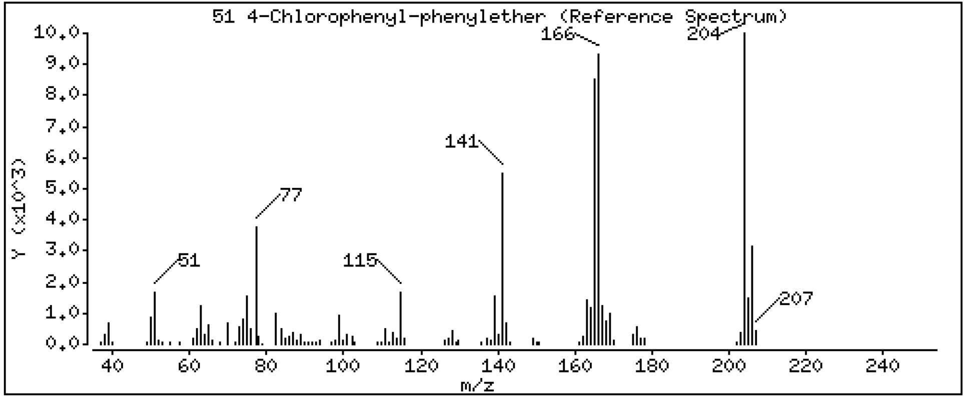
Operator: VTS

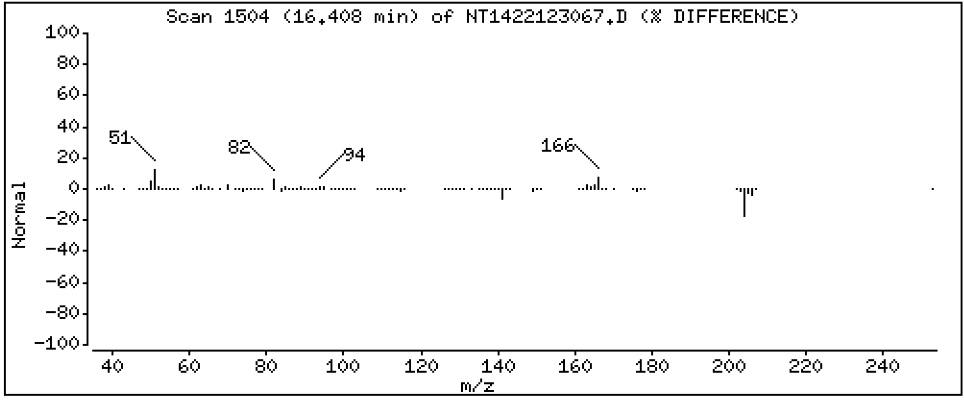
Column phase: ZB-5msi Column diameter: 0.25

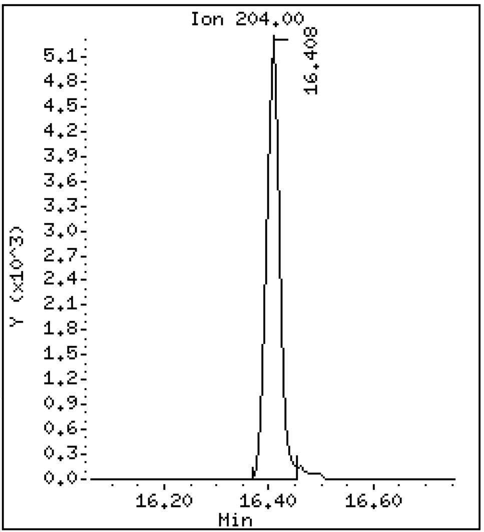
51 4-Chlorophenyl-phenylether Concentration: 0.2115 ug/mL

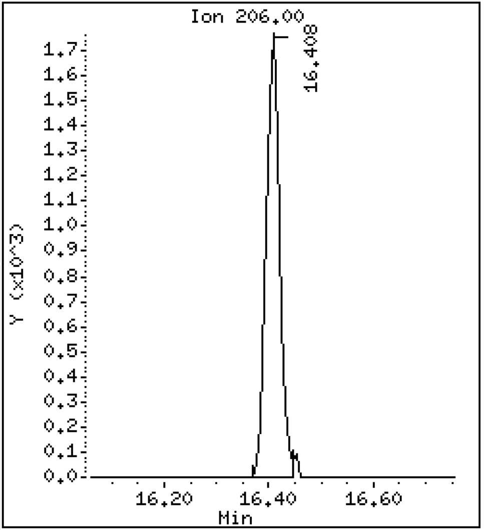

Scan 1504 (16.408 min) of NT1422123067.D

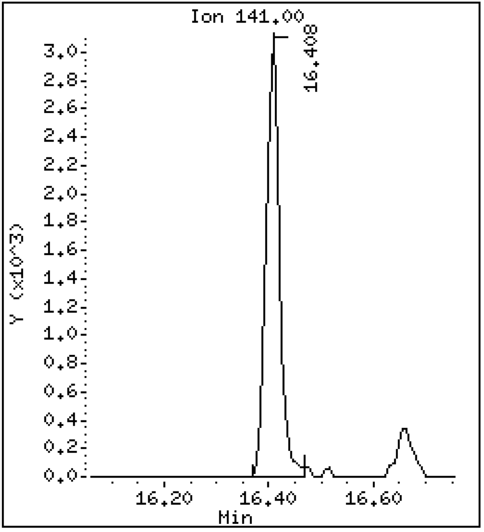

Scan 1504 (16.408 min) of NT1422123067.D (Subtracted)


51 4-Chlorophenyl-phenylether (Reference Spectrum)


Scan 1504 (16.408 min) of NT1422123067.D (% DIFFERENCE)


Ion 204.00


Ion 206.00


Ion 141.00

Data File: \\target\share\chem3\nt14.i\20221230C.b\NT1422123067.D

Date : 01-JAN-2023 00:06

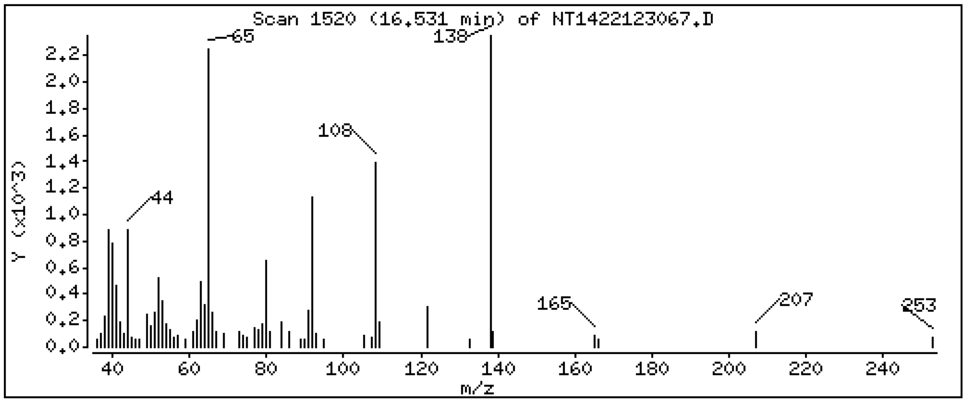
Client ID: Instrument: nt14.i

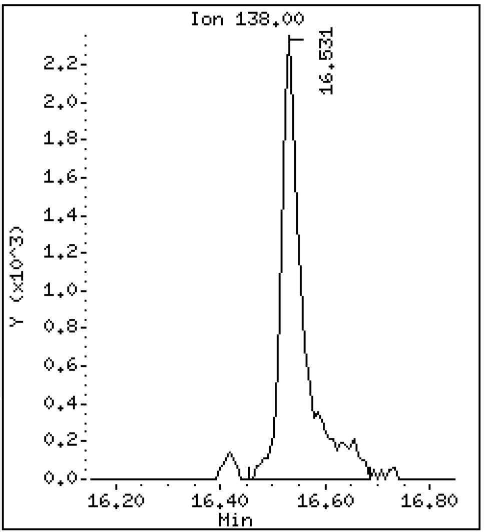
Sample Info: SKL0355-LCV3

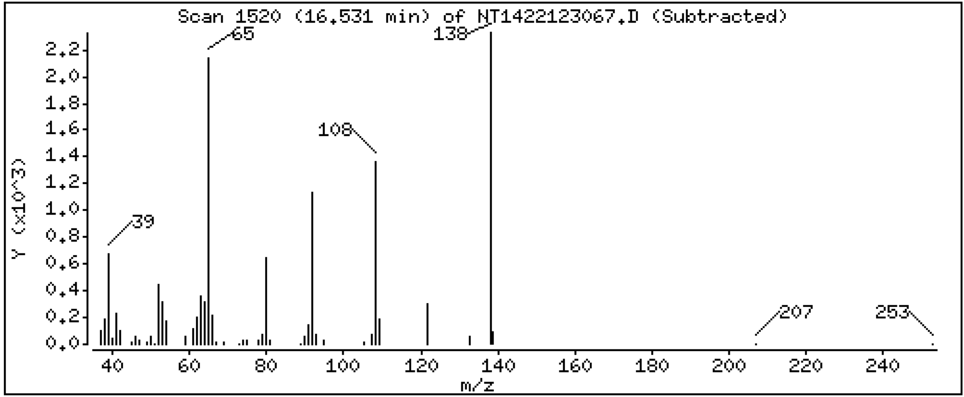
Operator: VTS

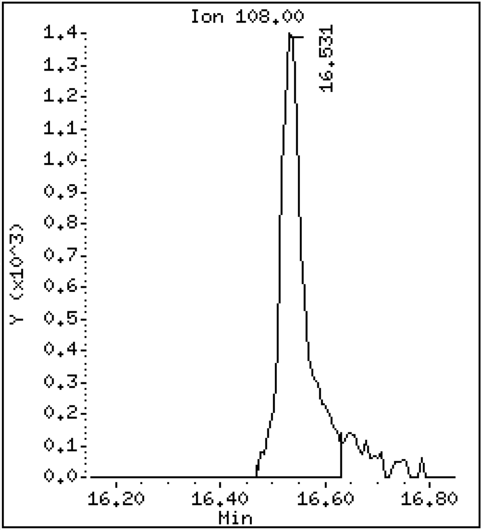
Column phase: ZB-5msi Column diameter: 0.25

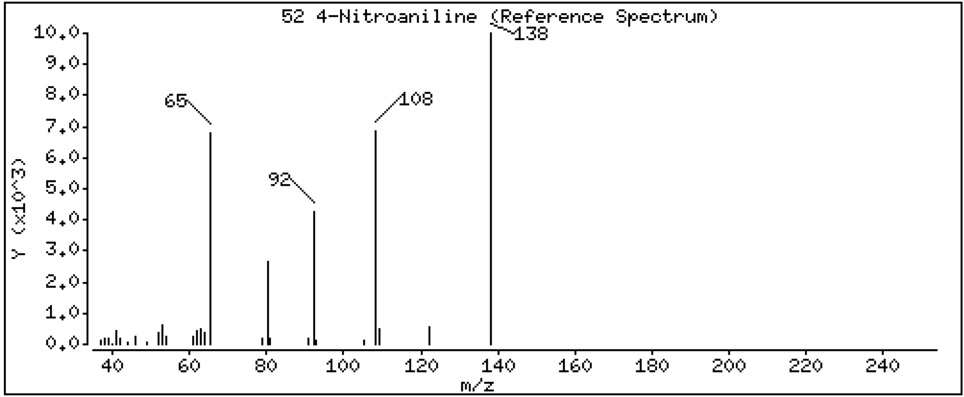
52 4-Nitroaniline Concentration: 0.3738 ug/mL

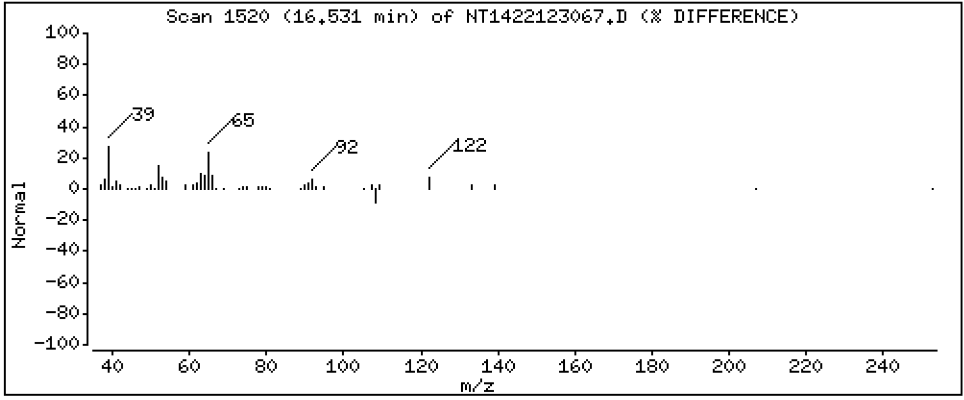


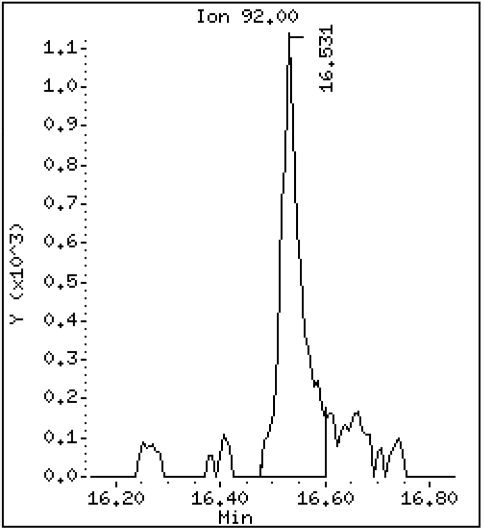












Data File: \\target\share\chem3\nt14.i\20221230C.b\NT1422123067.D

Date : 01-JAN-2023 00:06

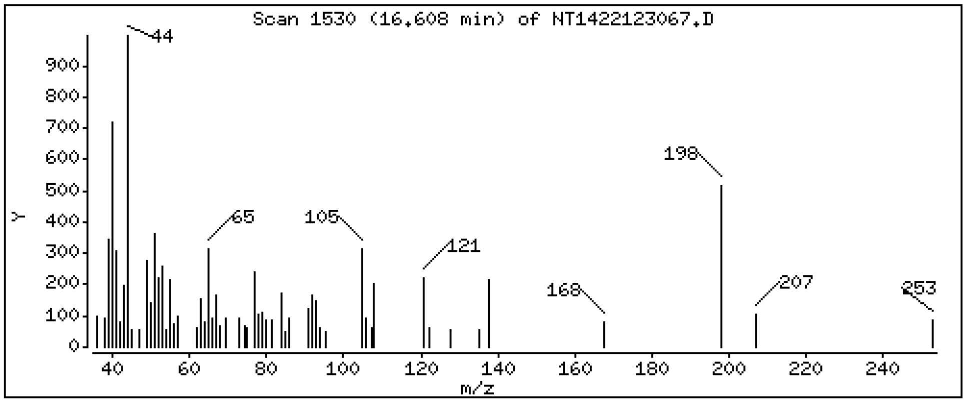
Client ID: Instrument: nt14.i

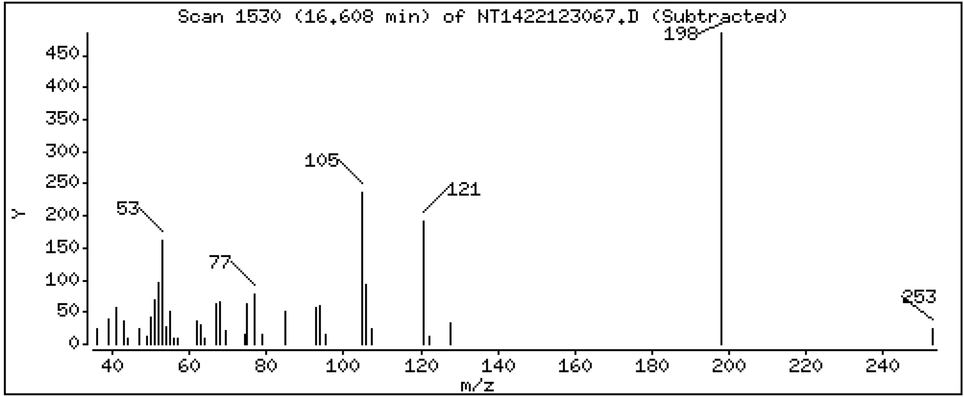
Sample Info: SKL0355-LCV3

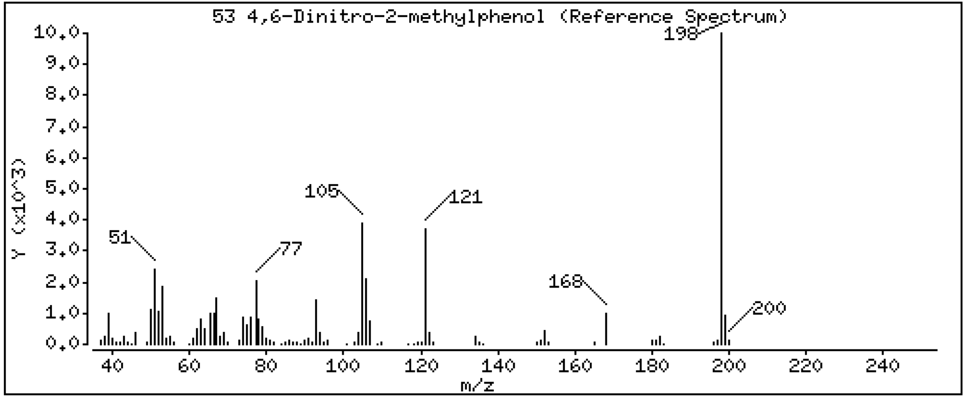
Operator: VTS

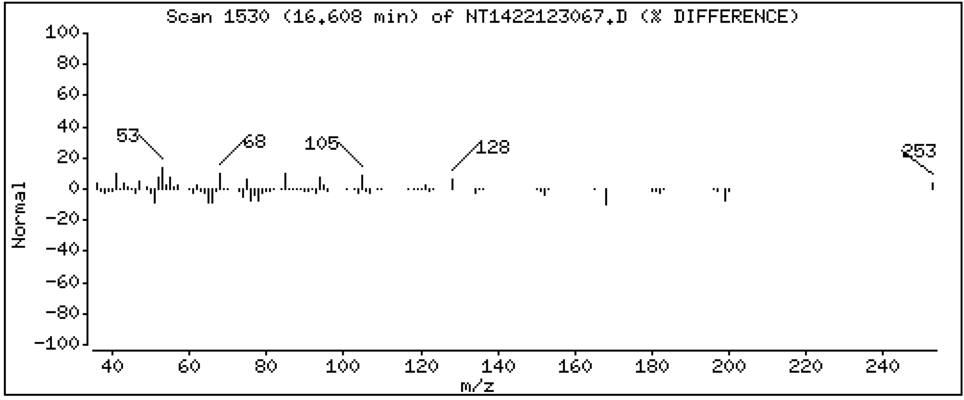
Column phase: ZB-5msi Column diameter: 0.25

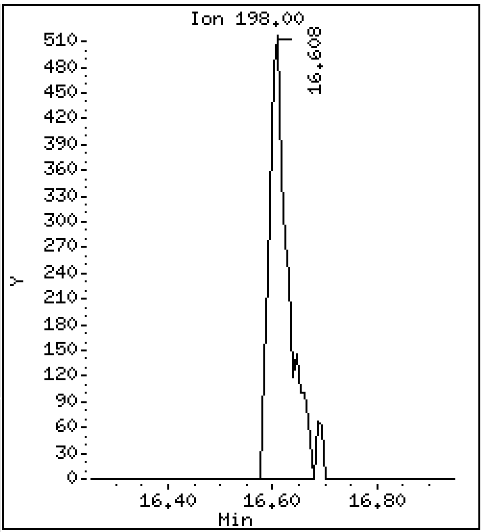
53 4,6-Dinitro-2-methylphenol Concentration: 0.09261 ug/mL

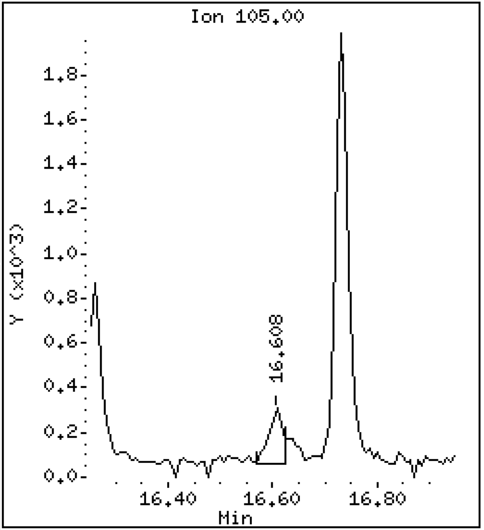


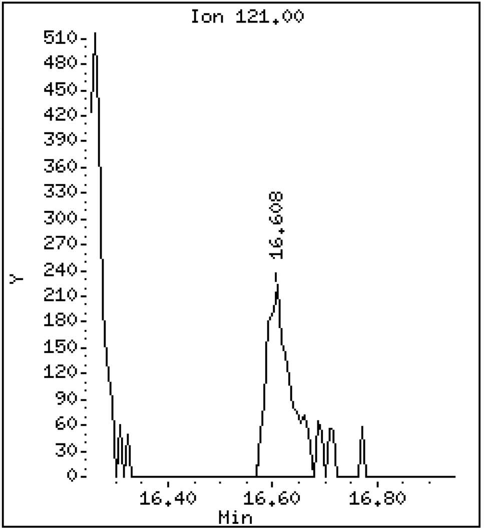












Data File: \\target\share\chem3\nt14.i\20221230C.b\NT1422123067.D

Date : 01-JAN-2023 00:06

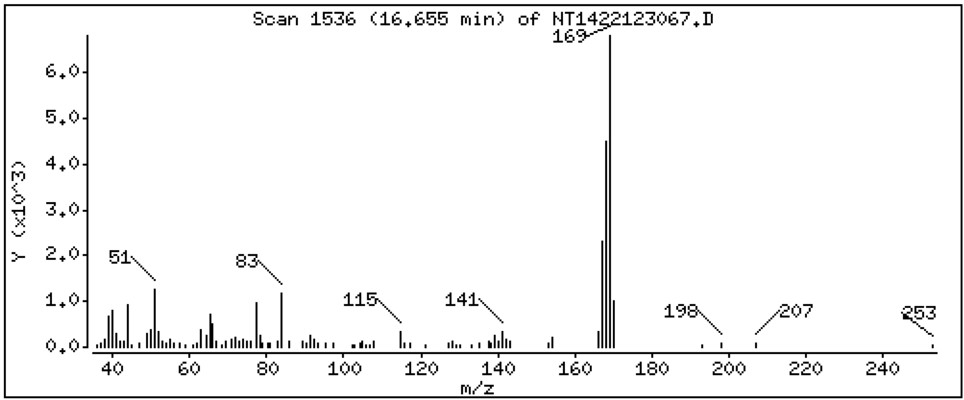
Client ID: Instrument: nt14.i

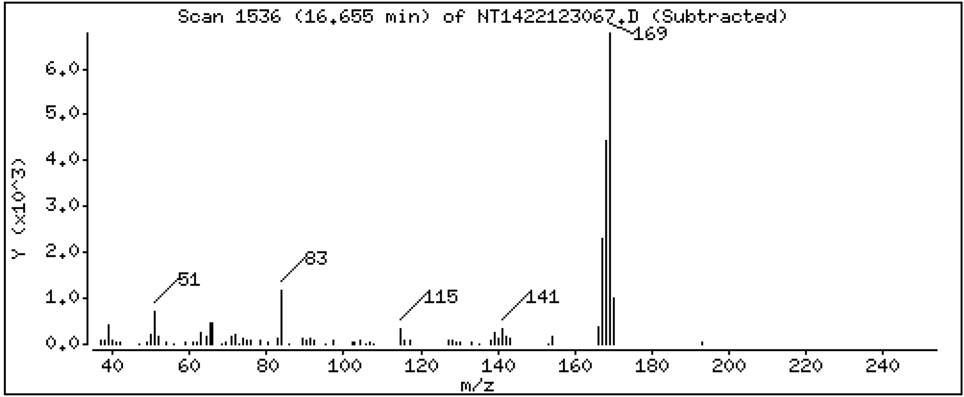
Sample Info: SKL0355-LCV3

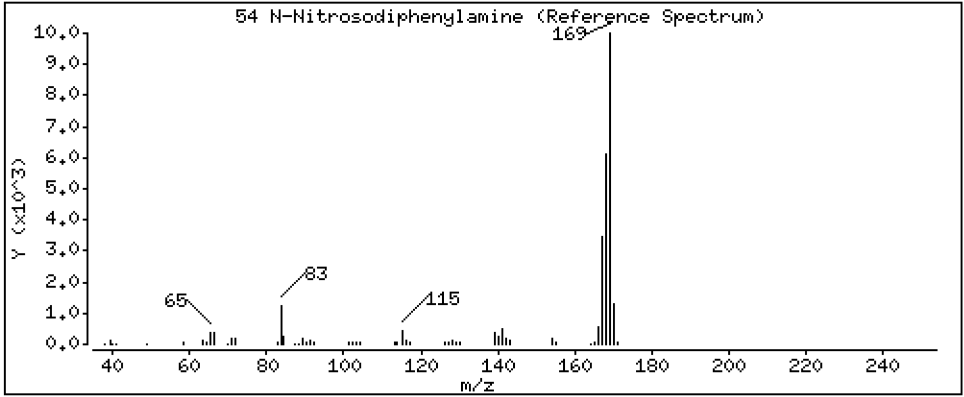
Operator: VTS

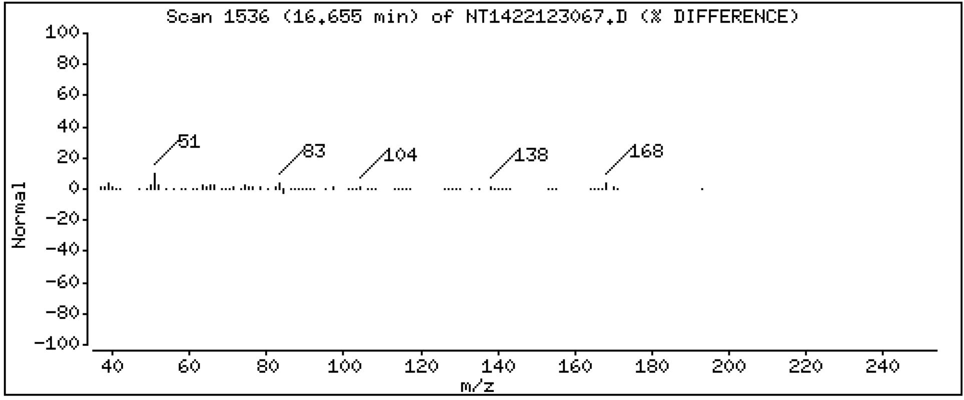
Column phase: ZB-5msi Column diameter: 0.25

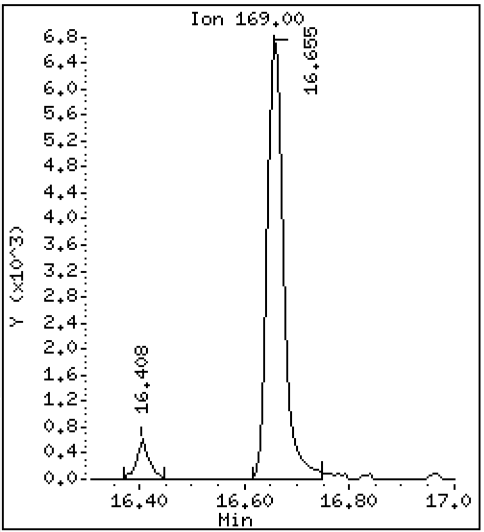
54 N-Nitrosodiphenylamine Concentration: 0.2509 ug/mL

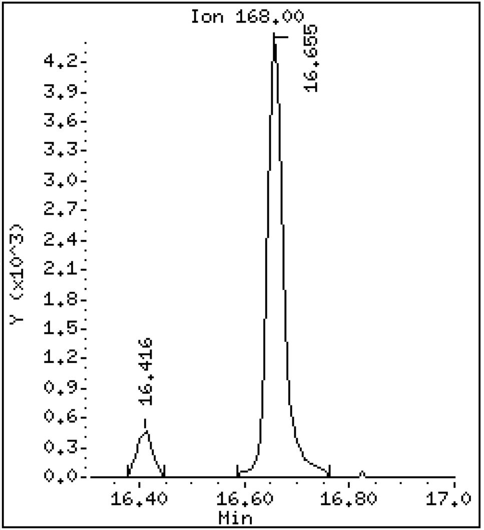


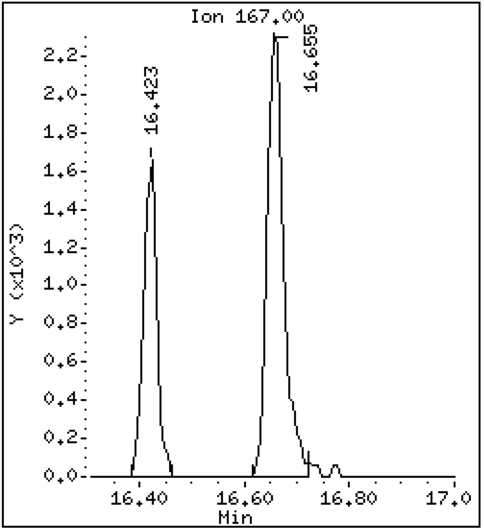












Data File: \\target\share\chem3\nt14.i\20221230C.b\NT1422123067.D

Date : 01-JAN-2023 00:06

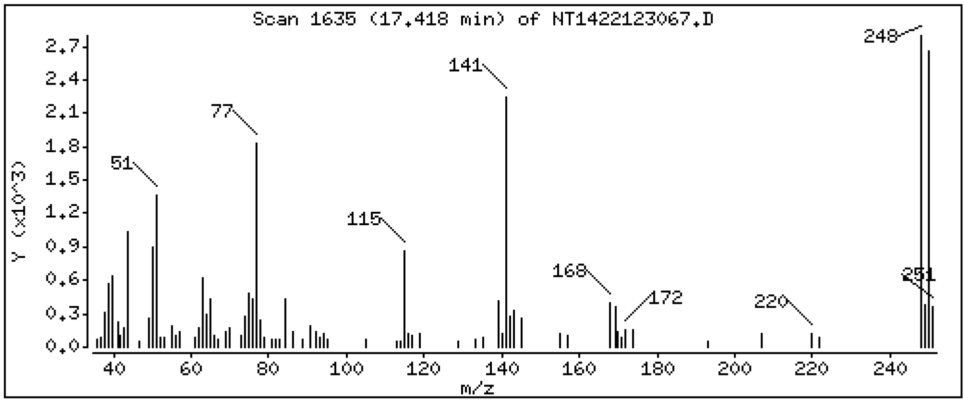
Client ID: Instrument: nt14.i

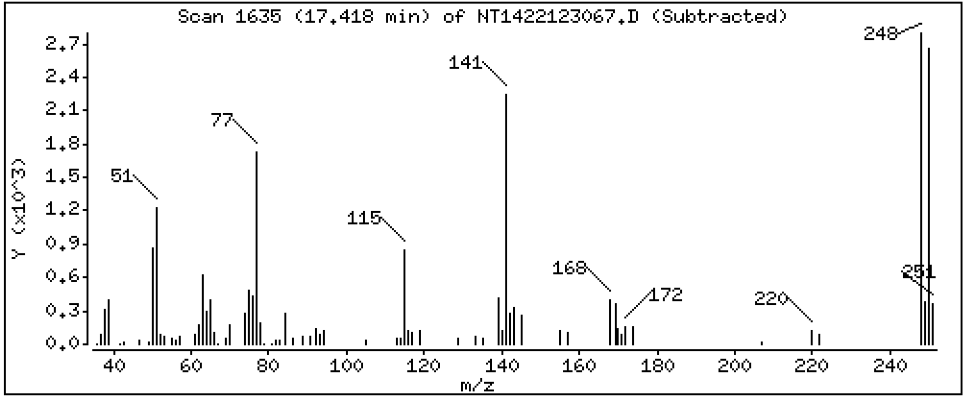
Sample Info: SKL0355-LCV3

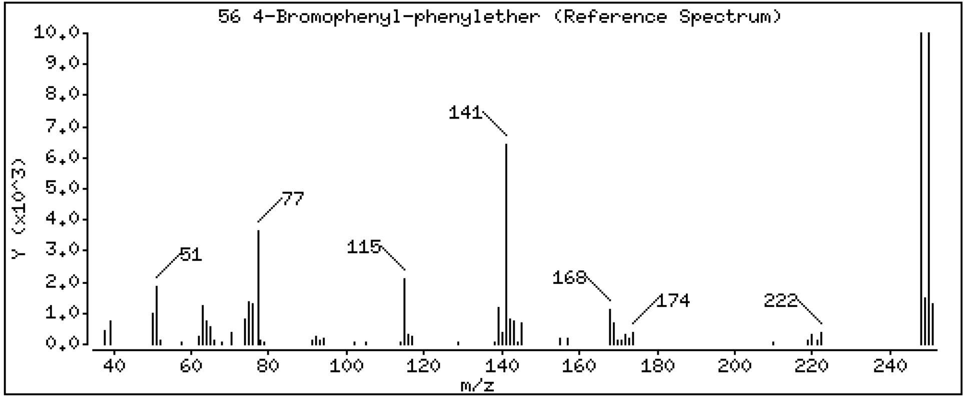
Operator: VTS

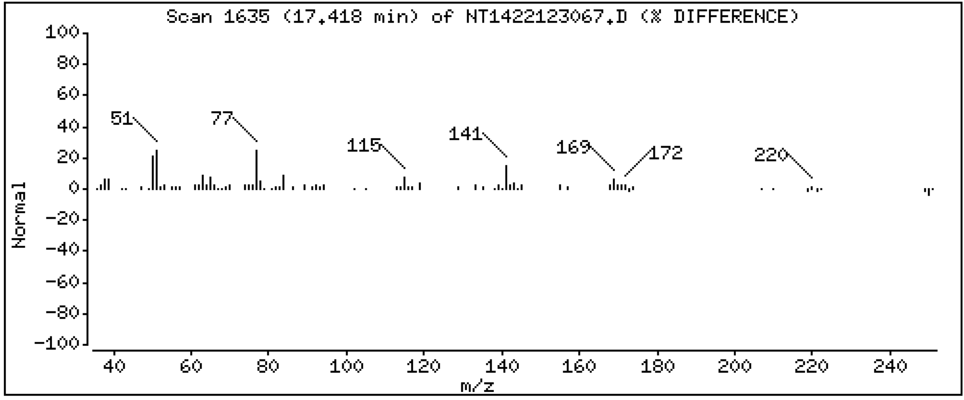
Column phase: ZB-5msi Column diameter: 0.25

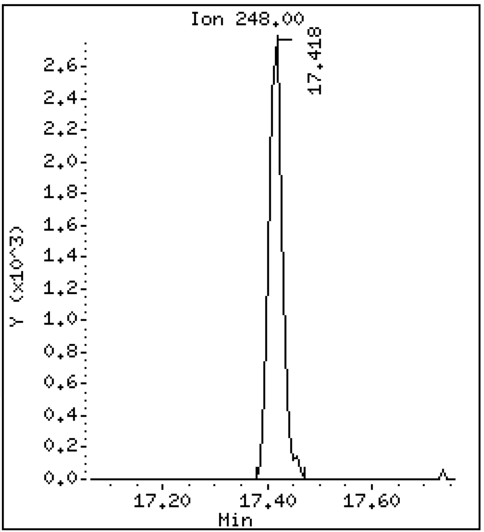
56 4-Bromophenyl-phenylether Concentration: 0.2232 ug/mL

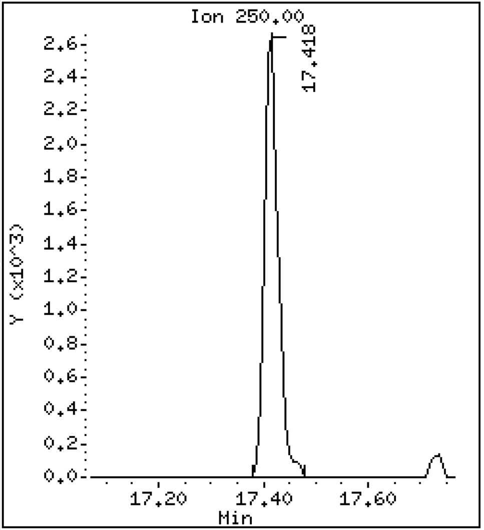

Scan 1635 (17.418 min) of NT1422123067.D


Scan 1635 (17.418 min) of NT1422123067.D (Subtracted)


56 4-Bromophenyl-phenylether (Reference Spectrum)


Scan 1635 (17.418 min) of NT1422123067.D (% DIFFERENCE)


Ion 248.00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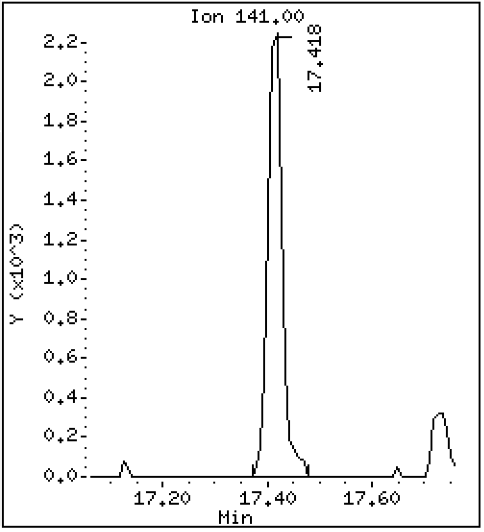

Ion 141.00

Data File: \\target\share\chem3\nt14.i\20221230C.b\NT1422123067.D

Date : 01-JAN-2023 00:06

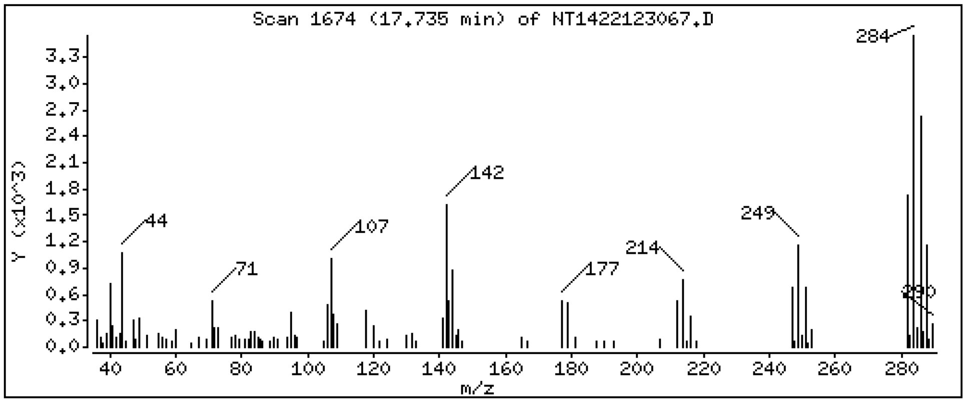
Client ID: Instrument: nt14.i

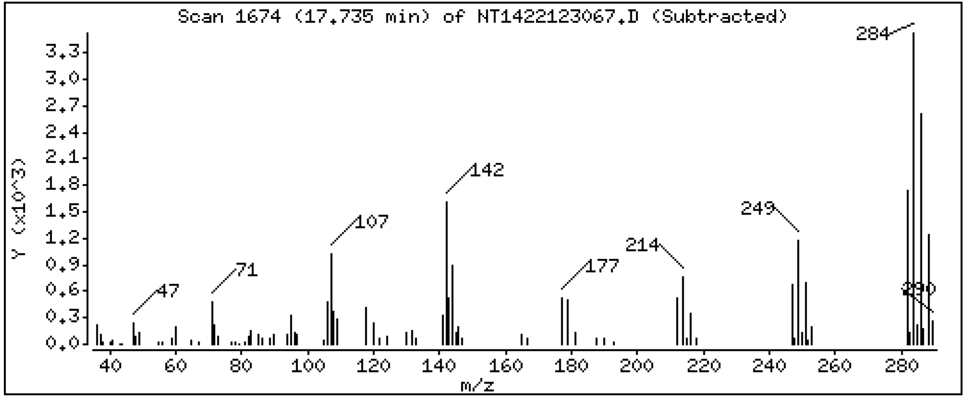
Sample Info: SKL0355-LCV3

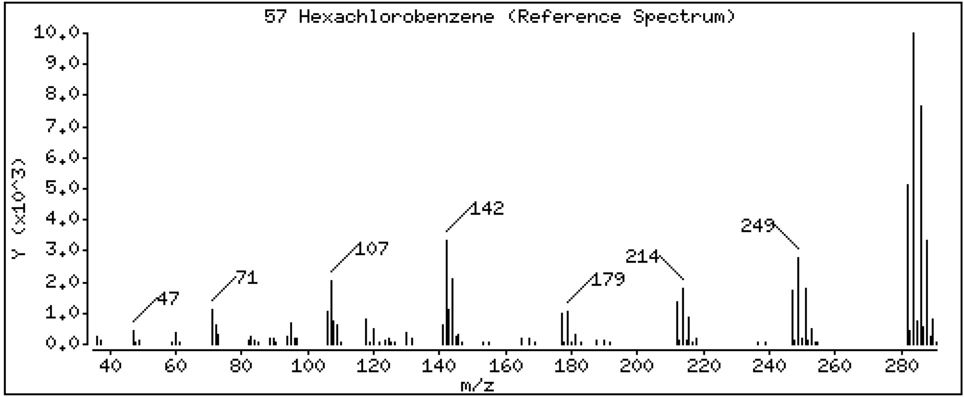
Operator: VTS

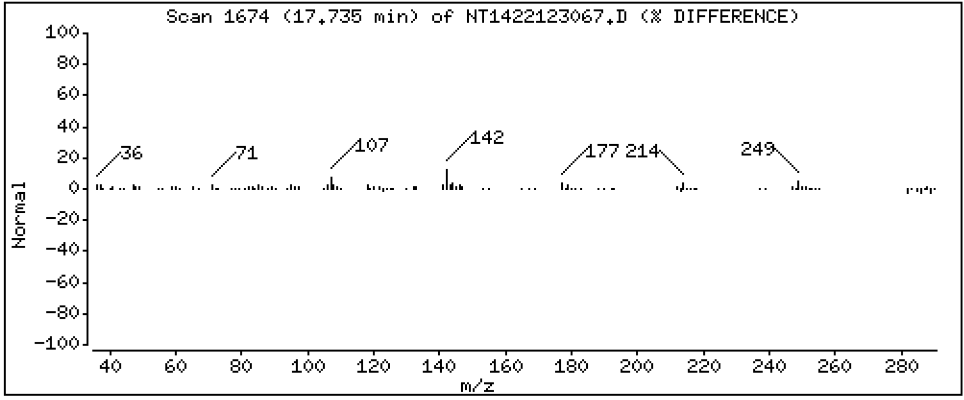
Column phase: ZB-5msi Column diameter: 0.25

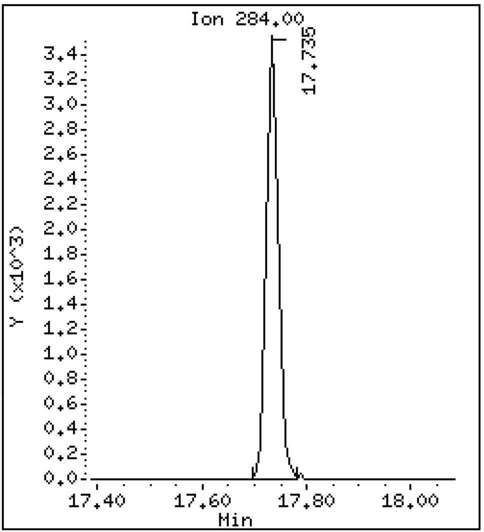
57 Hexachlorobenzene Concentration: 0.2368 ug/mL

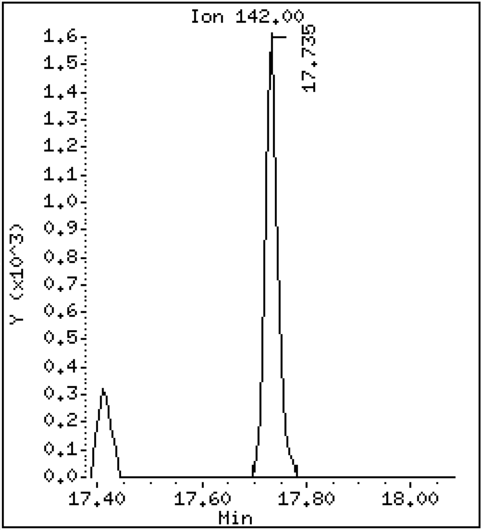

Scan 1674 (17.735 min) of NT1422123067.D

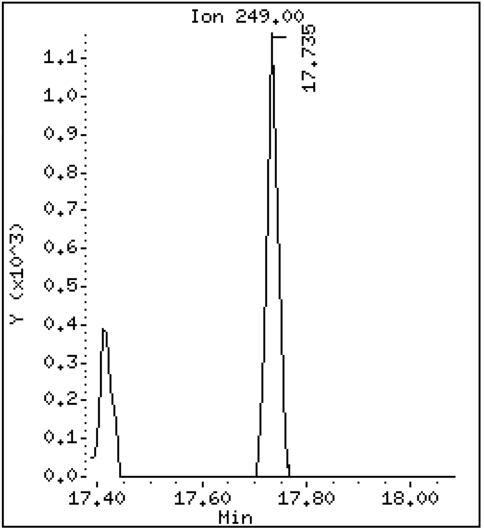

Scan 1674 (17.735 min) of NT1422123067.D (Subtracted)


57 Hexachlorobenzene (Reference Spectrum)


Scan 1674 (17.735 min) of NT1422123067.D (% DIFFERENCE)


Ion 284.00


Ion 142.00


Ion 249.00

Data File: \\target\share\chem3\nt14.i\20221230C.b\NT1422123067.D

Date : 01-JAN-2023 00:06

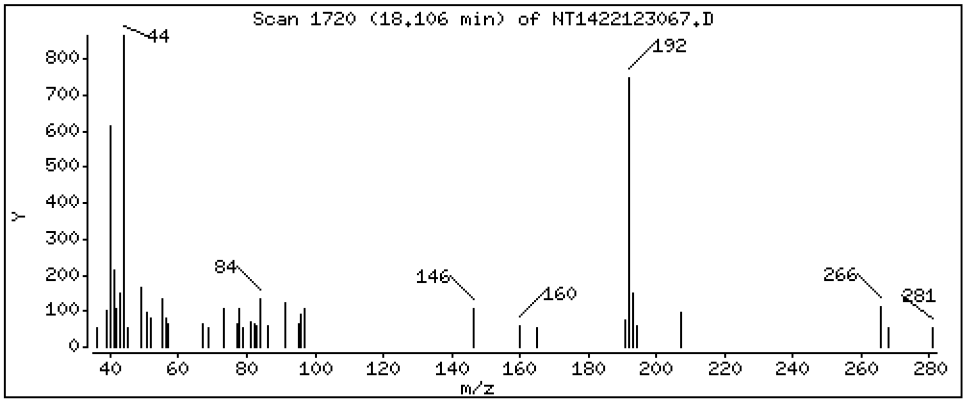
Client ID: Instrument: nt14.i

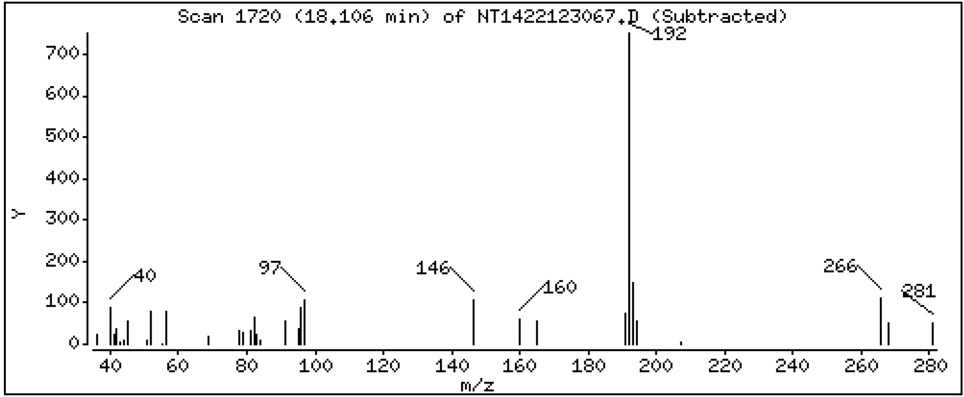
Sample Info: SKL0355-LCV3

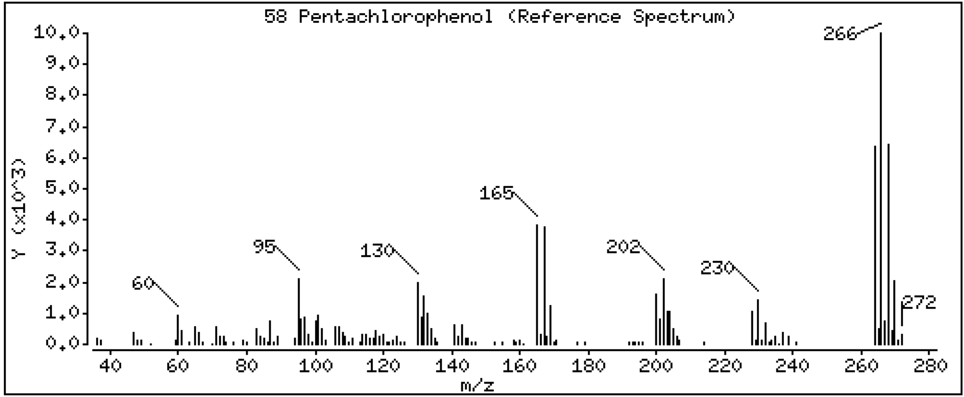
Operator: VTS

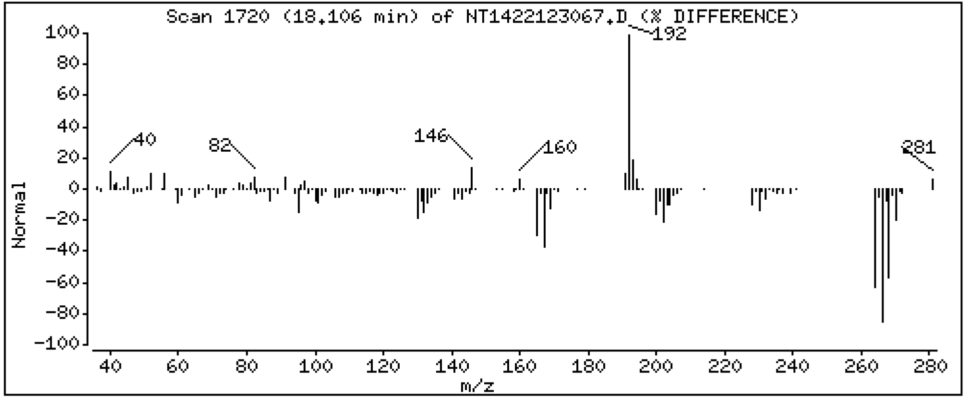
Column phase: ZB-5msi Column diameter: 0.25

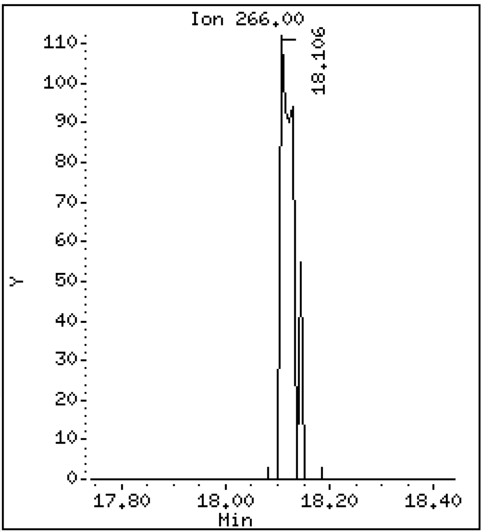
58 Pentachlorophenol Concentration: 0.02024 ug/mL


Scan 1720 (18.106 min) of NT1422123067.D


Scan 1720 (18.106 min) of NT1422123067.D (Subtracted)


58 Pentachlorophenol (Reference Spectrum)


Scan 1720 (18.106 min) of NT1422123067.D (% DIFFERENCE)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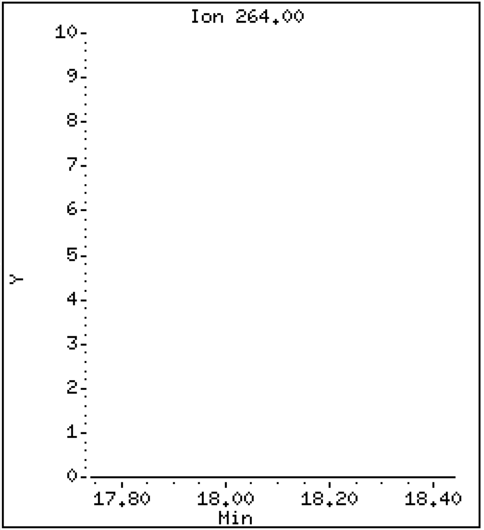
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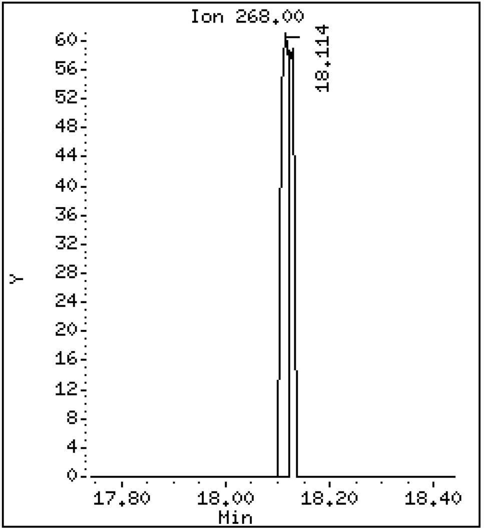

Ion 268.00

Data File: \\target\share\chem3\nt14.i\20221230C.b\NT1422123067.D

Date : 01-JAN-2023 00:06

Client ID:

Instrument: nt14.i

Sample Info: SKL0355-LCV3

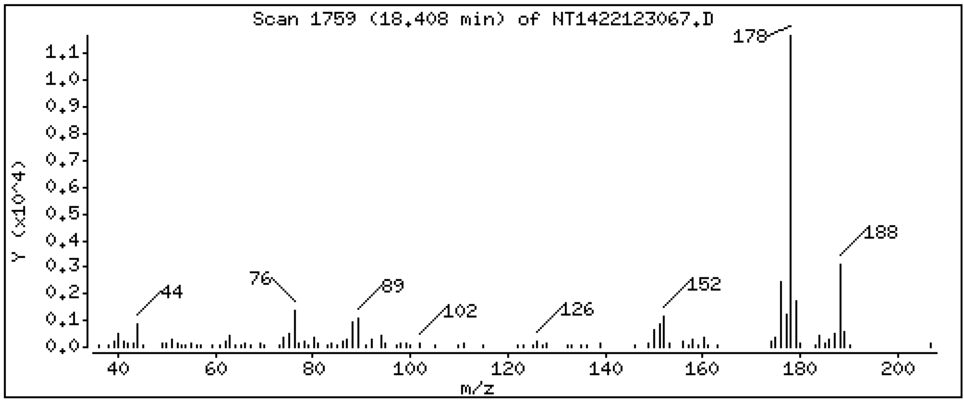
Operator: VTS

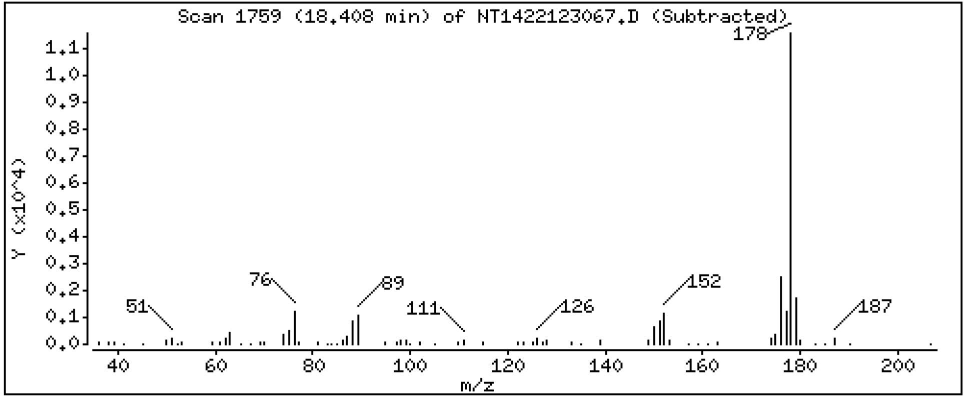
Column phase: ZB-5msi

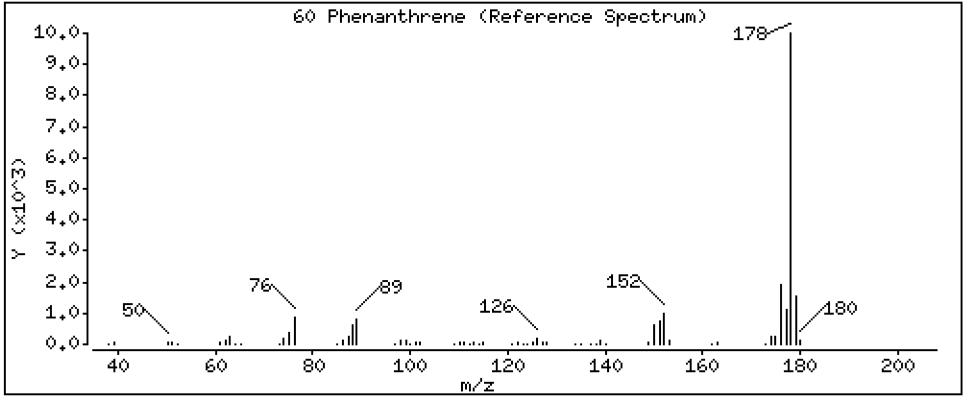
Column diameter: 0.25

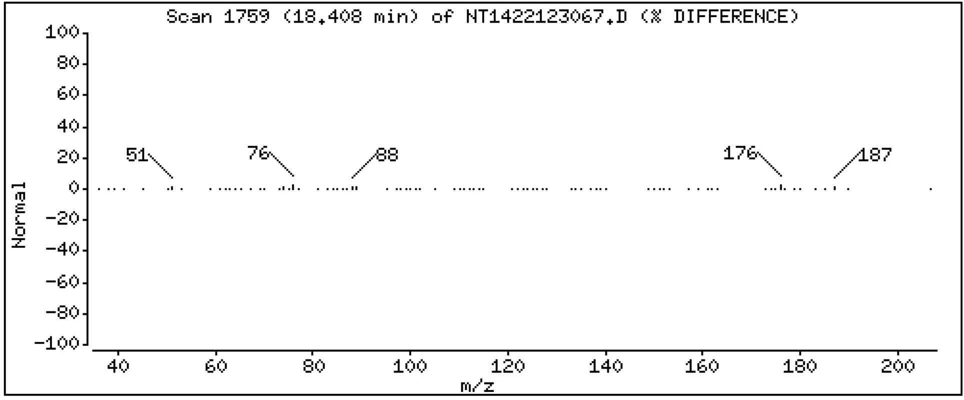
60 Phenanthrene

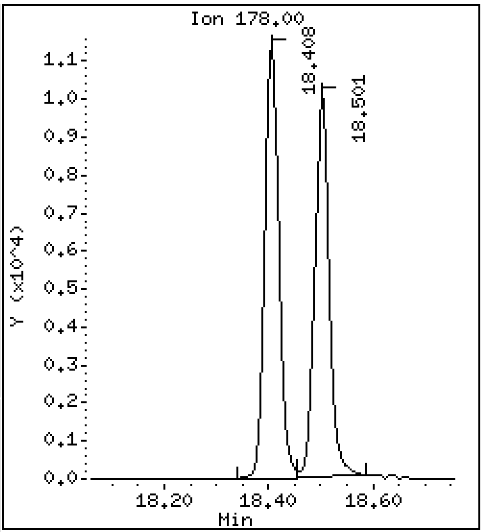
Concentration: 0.2396 ug/mL

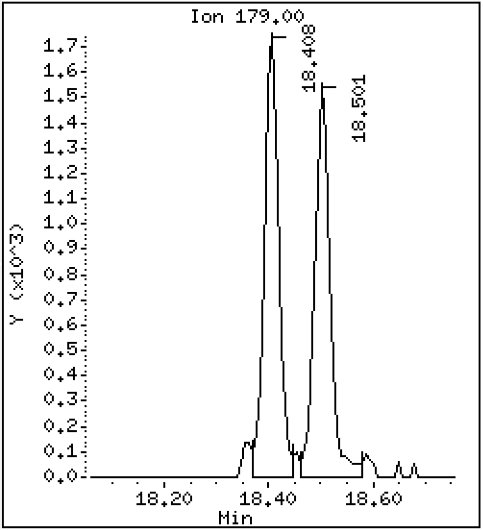


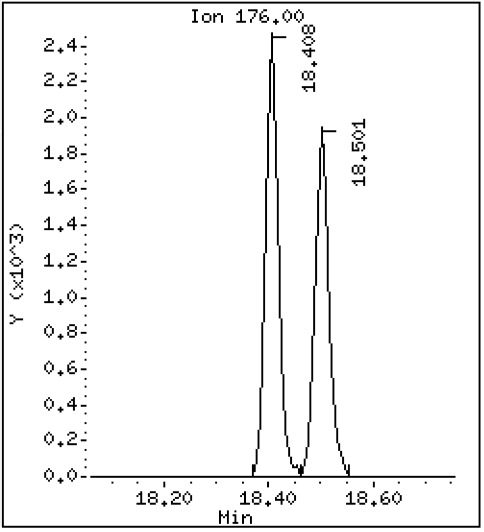












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Date : 01-JAN-2023 00:06

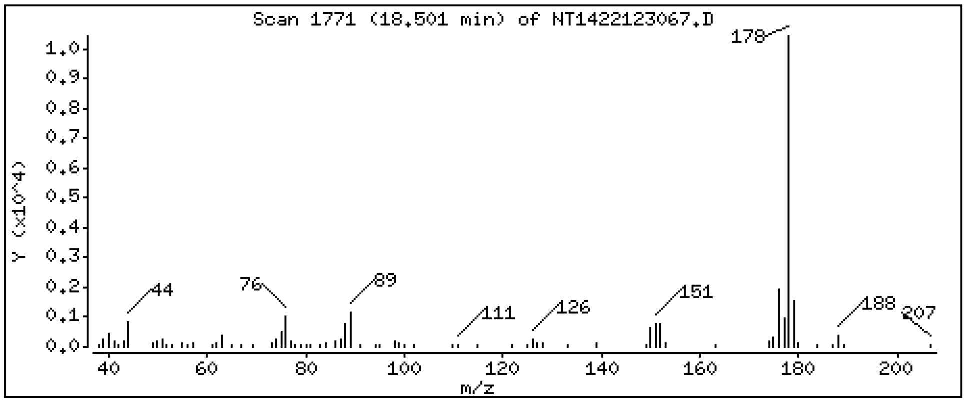
Client ID: Instrument: nt14.i

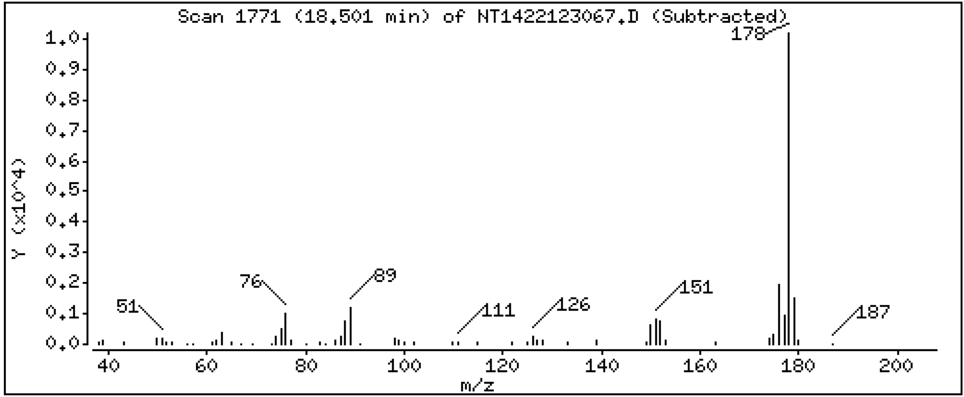
Sample Info: SKL0355-LCV3

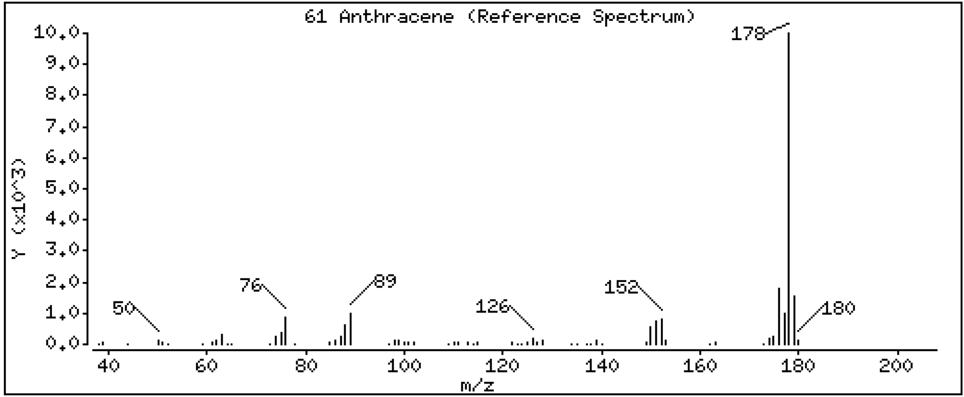
Operator: VTS

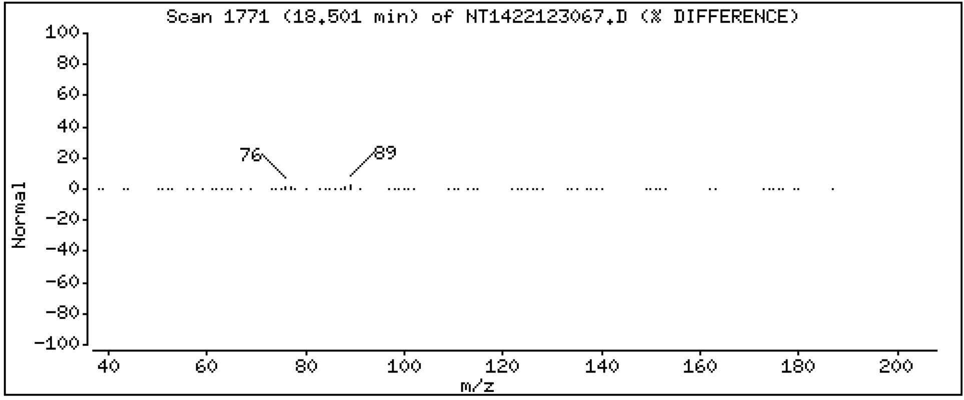
Column phase: ZB-5msi Column diameter: 0.25

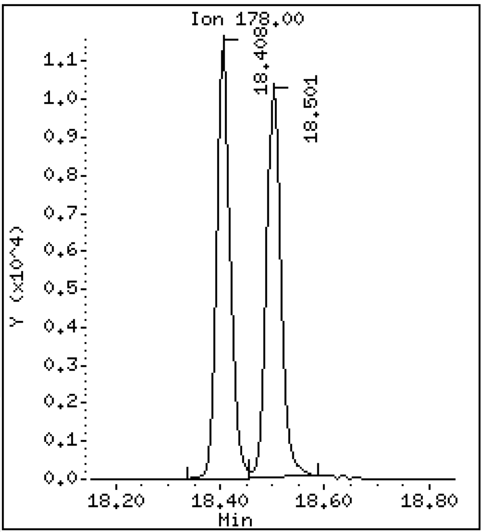
61 Anthracene Concentration: 0.2322 ug/mL

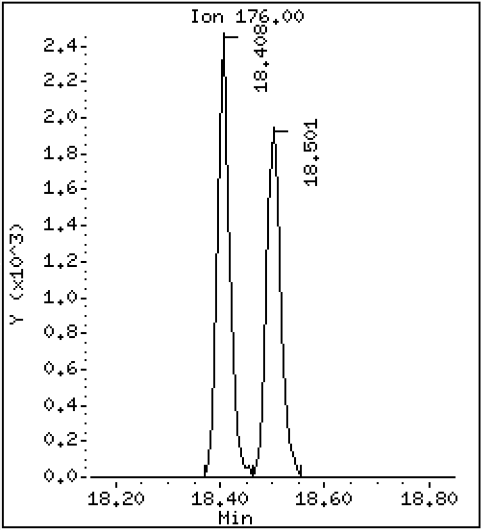

Scan 1771 (18.501 min) of NT1422123067.D

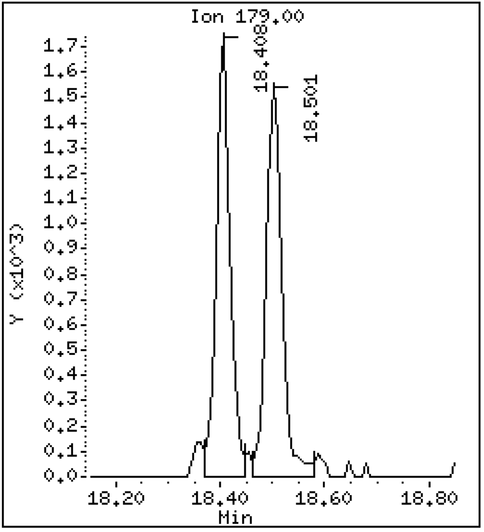

Scan 1771 (18.501 min) of NT1422123067.D (Subtracted)


61 Anthracene (Reference Spectrum)


Scan 1771 (18.501 min) of NT1422123067.D (% DIFFERENCE)


Ion 178.00


Ion 176.00


Ion 179.00

Data File: \\target\share\chem3\nt14.i\20221230C.b\NT1422123067.D

Date : 01-JAN-2023 00:06

Client ID: Instrument: nt14.i

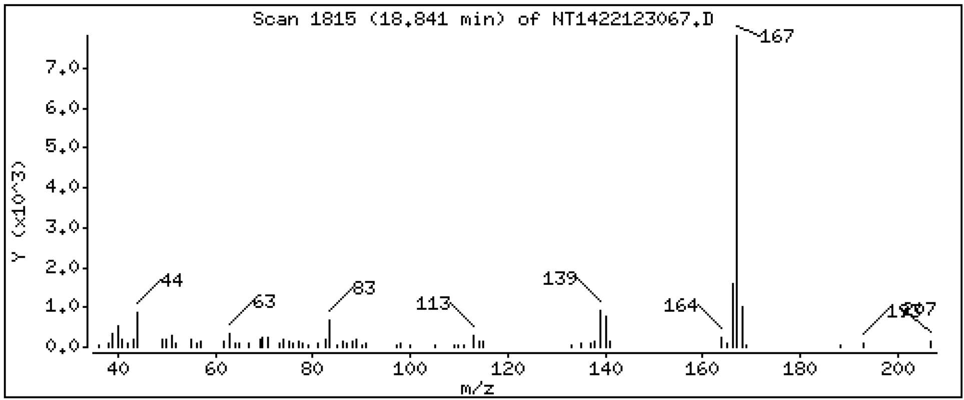
Sample Info: SKL0355-LCV3

Operator: VTS

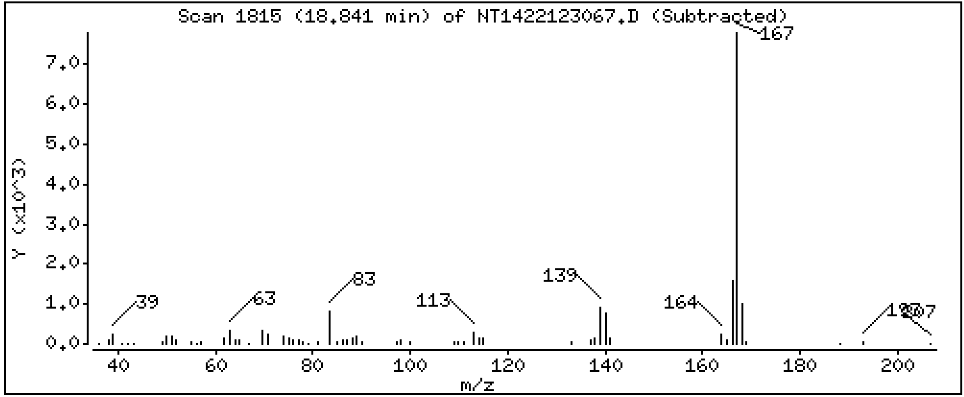
Column phase: ZB-5msi Column diameter: 0.25

62 Carbazole Concentration: 0.2308 ug/mL

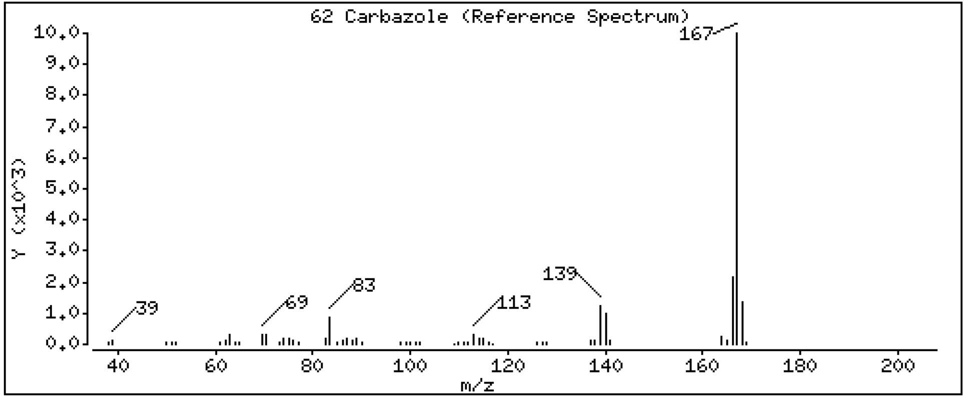
Scan 1815 (18.841 min) of NT1422123067.D



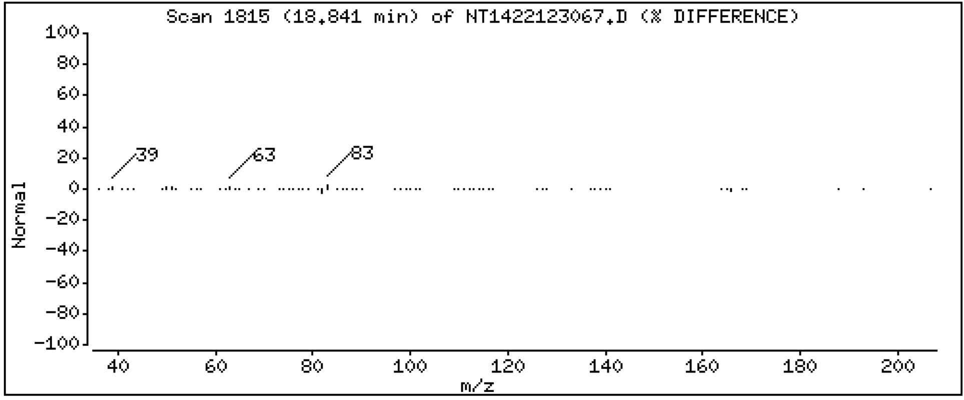
Scan 1815 (18.841 min) of NT1422123067.D (Subtracted)



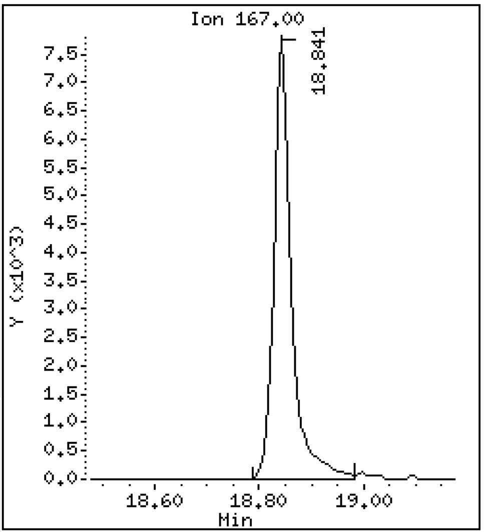
62 Carbazole (Reference Spectrum)



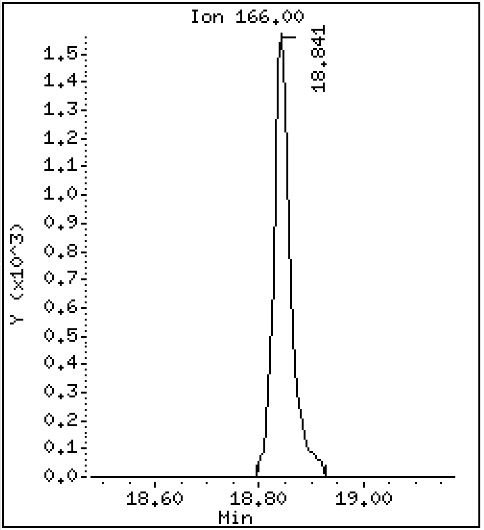
Scan 1815 (18.841 min) of NT1422123067.D (% DIFFERENCE)



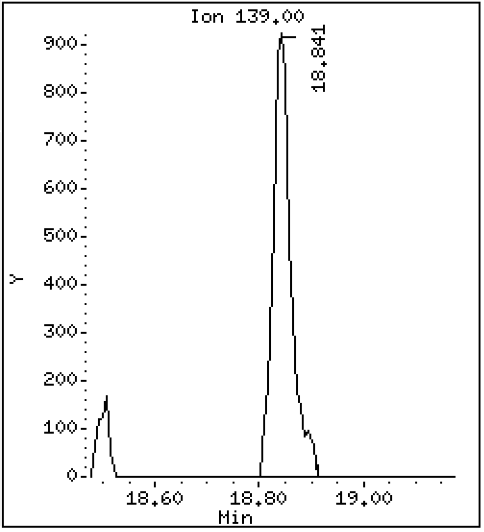
Ion 167.00



Ion 166.00



Ion 139.00



Data File: \\target\share\chem3\nt14.i\20221230C.b\NT1422123067.D

Date : 01-JAN-2023 00:06

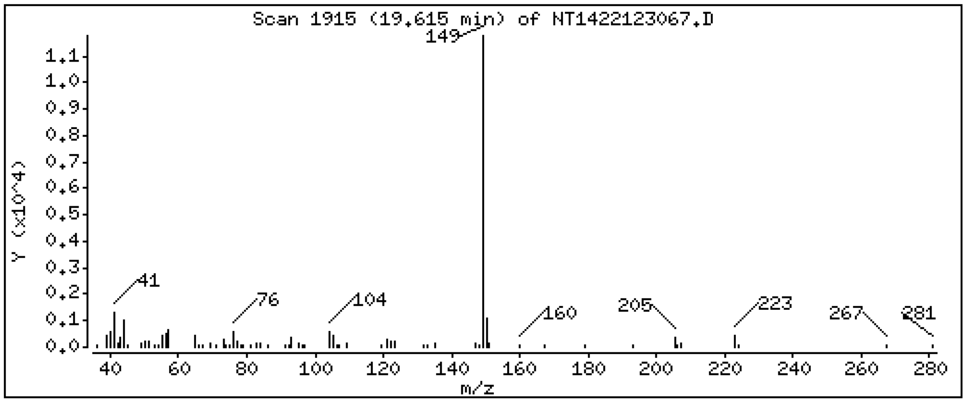
Client ID: Instrument: nt14.i

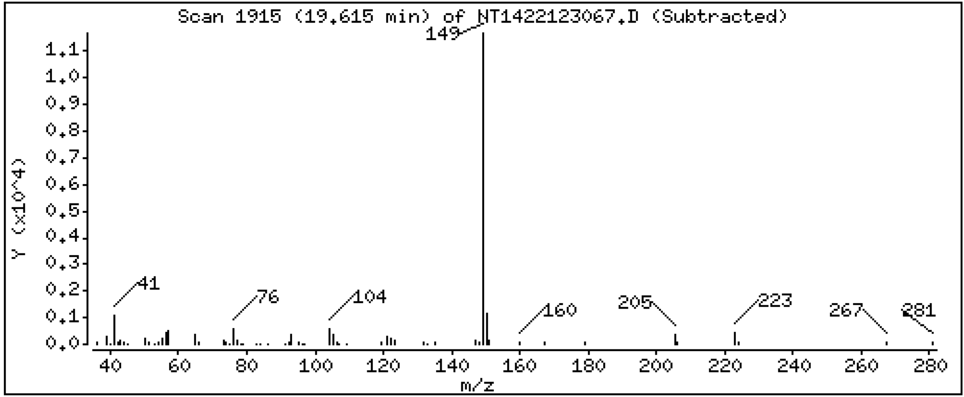
Sample Info: SKL0355-LCV3

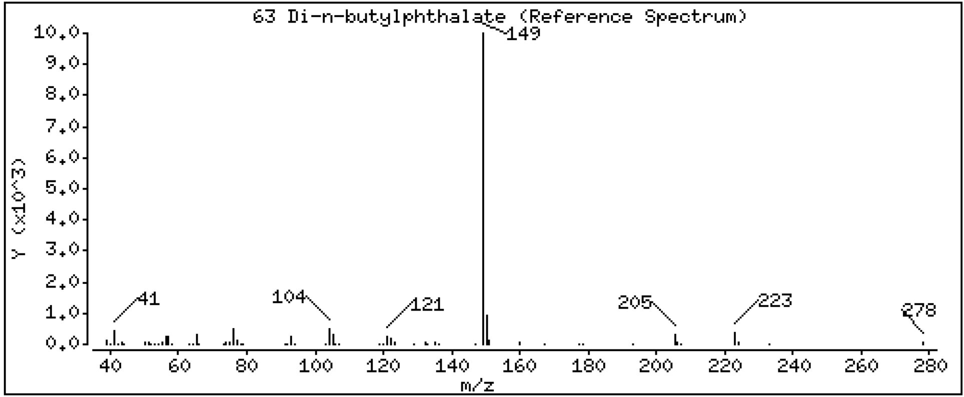
Operator: VTS

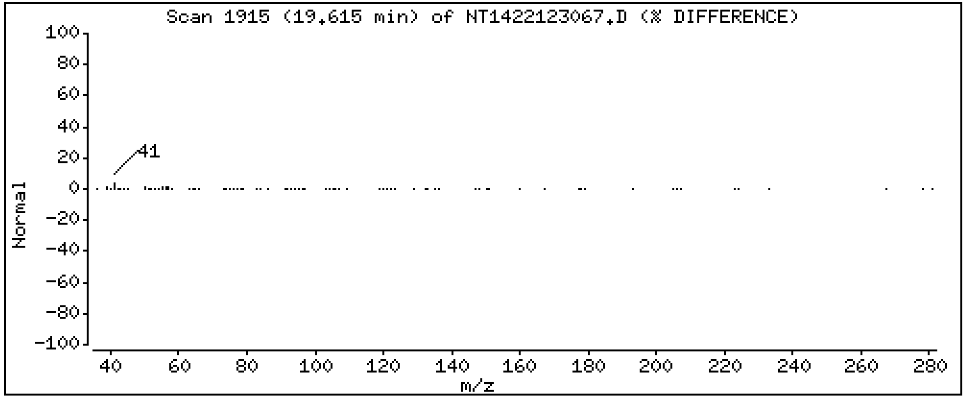
Column phase: ZB-5msi Column diameter: 0.25

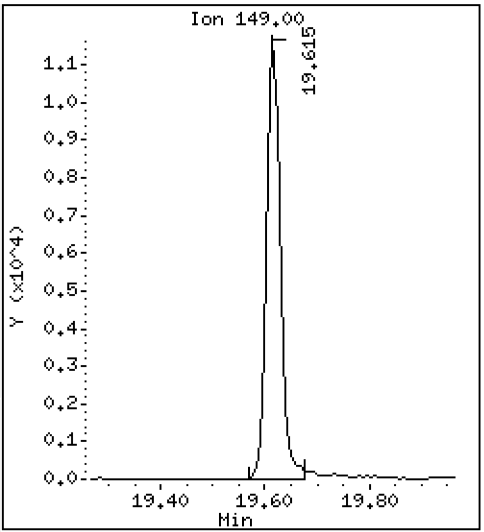
63 Di-n-butylphthalate Concentration: 0.2273 ug/mL

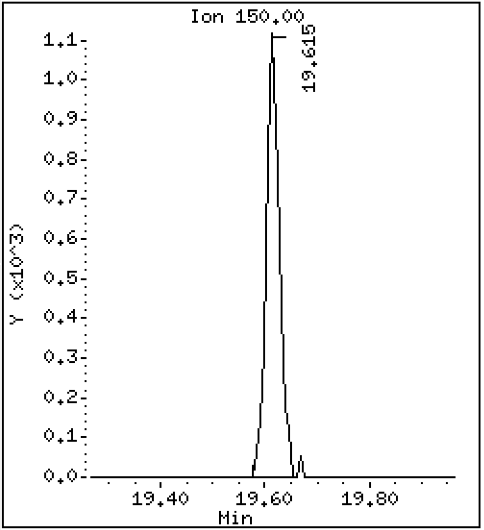


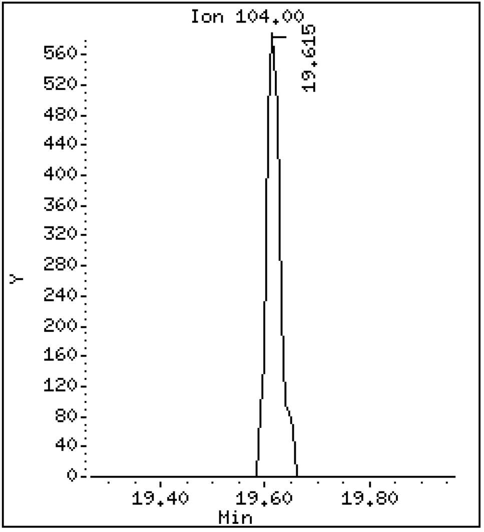












Data File: \\target\share\chem3\nt14.i\20221230C.b\NT1422123067.D

Date : 01-JAN-2023 00:06

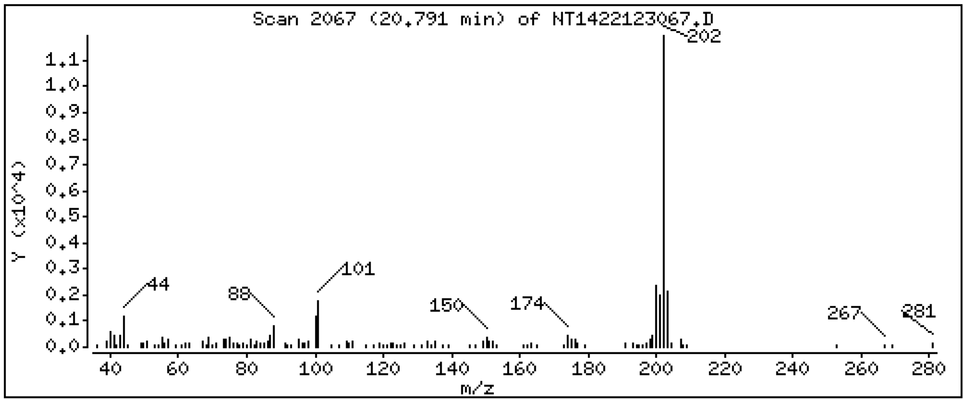
Client ID: Instrument: nt14.i

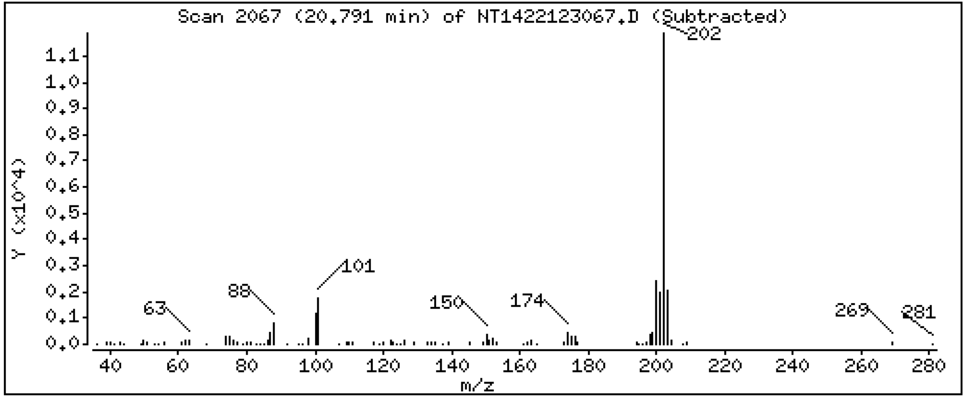
Sample Info: SKL0355-LCV3

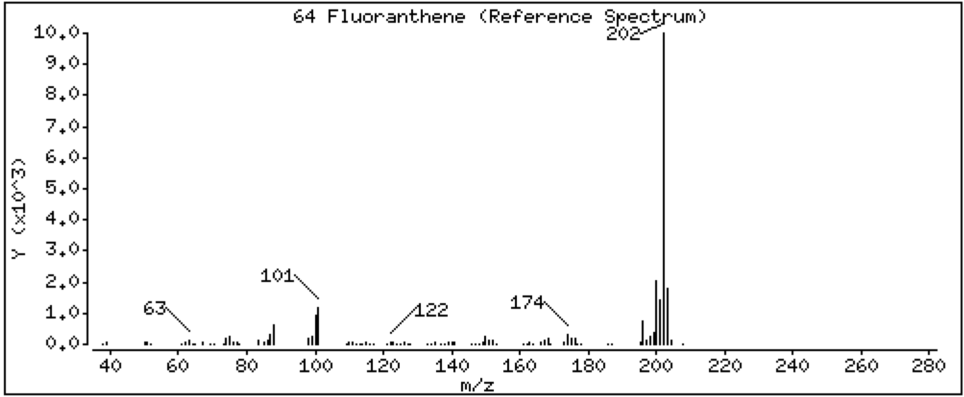
Operator: VTS

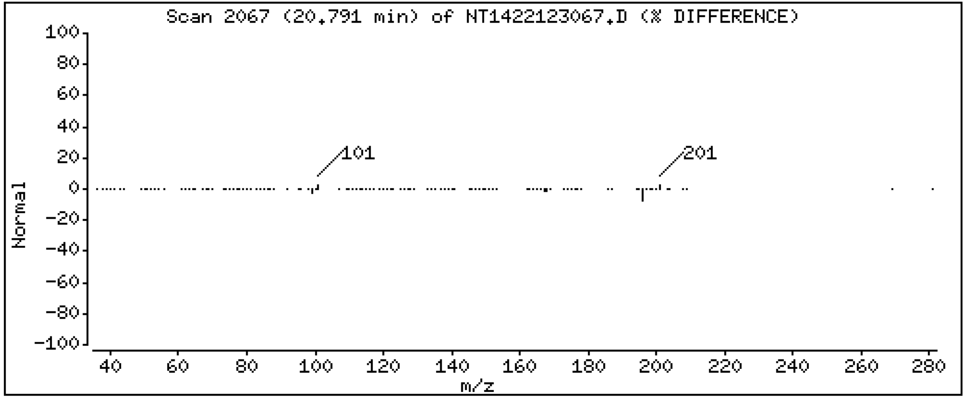
Column phase: ZB-5msi Column diameter: 0.25

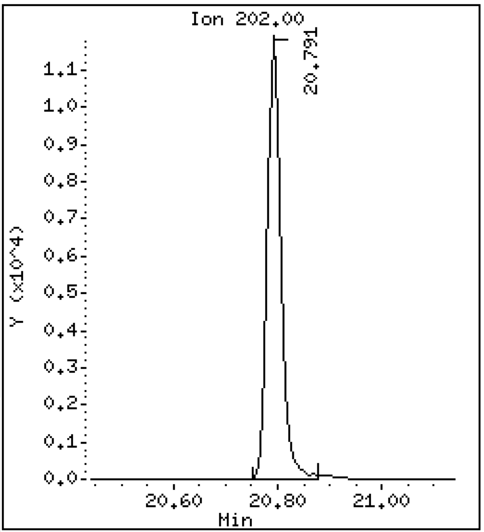
64 Fluoranthene Concentration: 0.2381 ug/mL

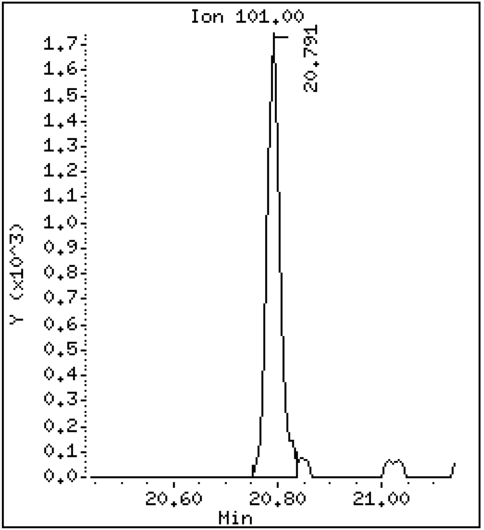

Scan 2067 (20.791 min) of NT1422123067.D

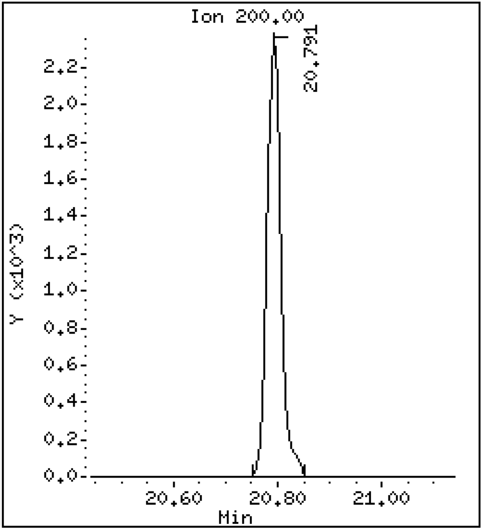

Scan 2067 (20.791 min) of NT1422123067.D (Subtracted)


64 Fluoranthene (Reference Spectrum)


Scan 2067 (20.791 min) of NT1422123067.D (% DIFFERENCE)


Ion 202.00


Ion 101.00


Ion 200.00

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Date : 01-JAN-2023 00:06

Client ID:

Instrument: nt14.i

Sample Info: SKL0355-LCV3

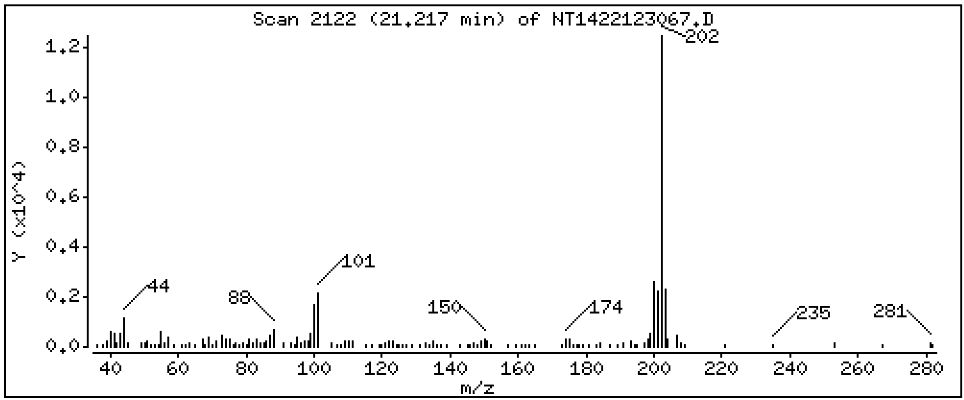
Operator: VTS

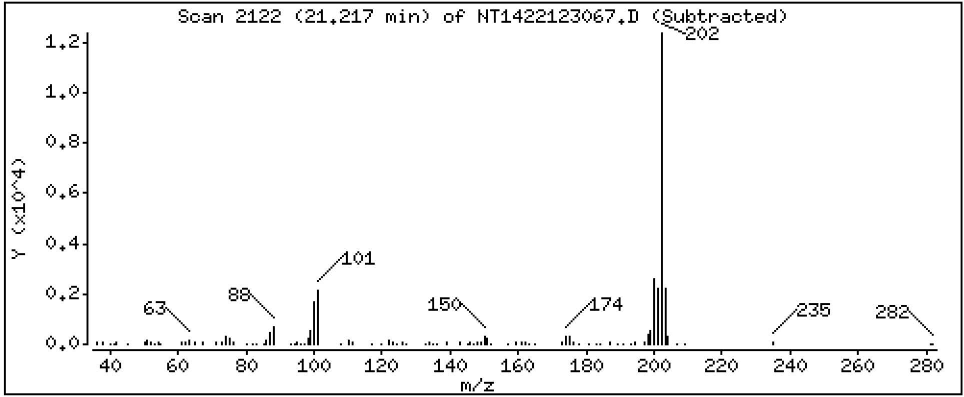
Column phase: ZB-5msi

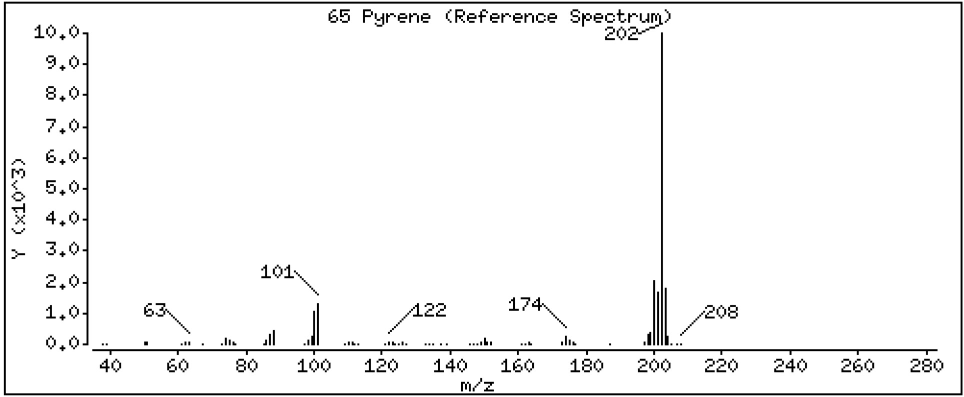
Column diameter: 0.25

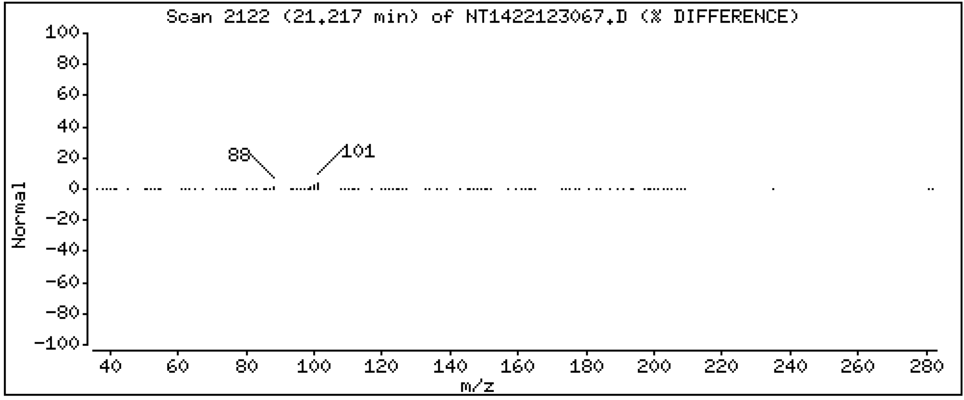
65 Pyrene

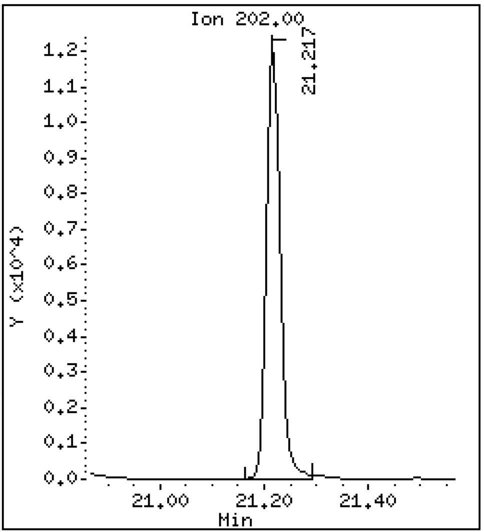
Concentration: 0.2334 ug/mL

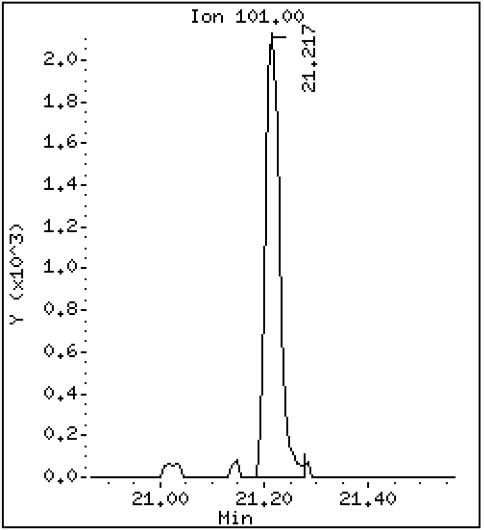

Scan 2122 (21.217 min) of NT1422123067.D


Scan 2122 (21.217 min) of NT1422123067.D (Subtracted)


65 Pyrene (Reference Spectrum)


Scan 2122 (21.217 min) of NT1422123067.D (% DIFFERENCE)


Ion 202.00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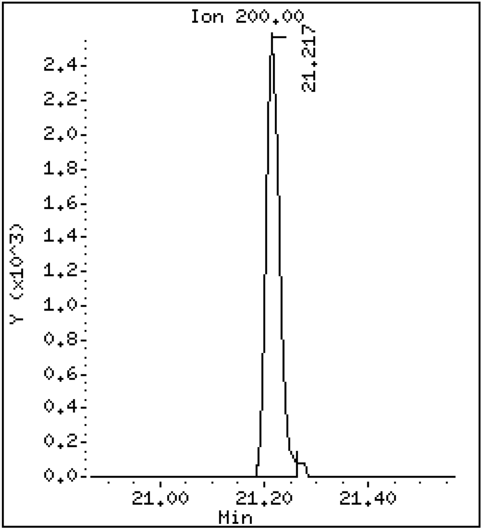

Ion 200.00

Data File: \\target\share\chem3\nt14.i\20221230C.b\NT1422123067.D

Date : 01-JAN-2023 00:06

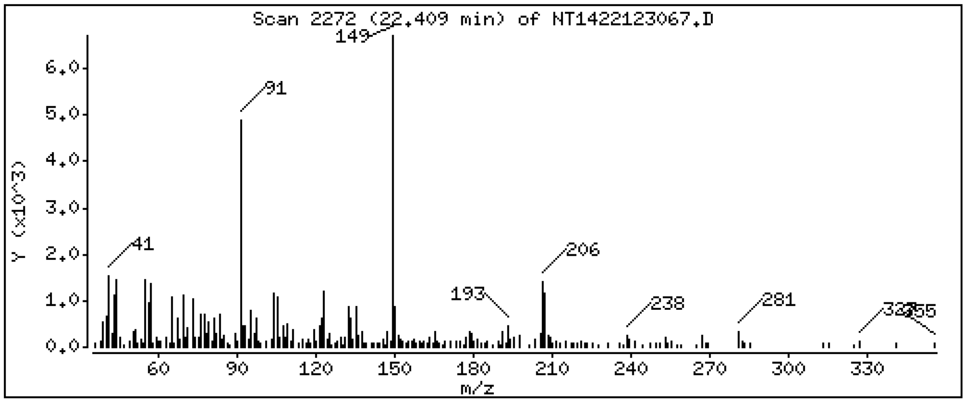
Client ID: Instrument: nt14.i

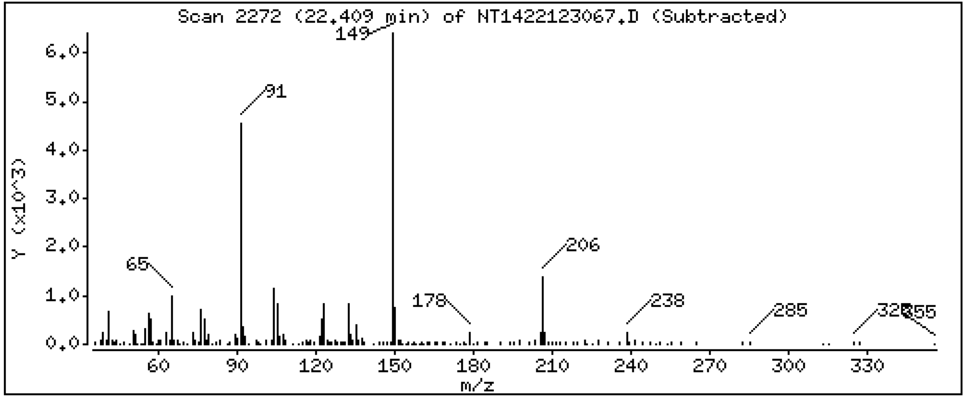
Sample Info: SKL0355-LCV3

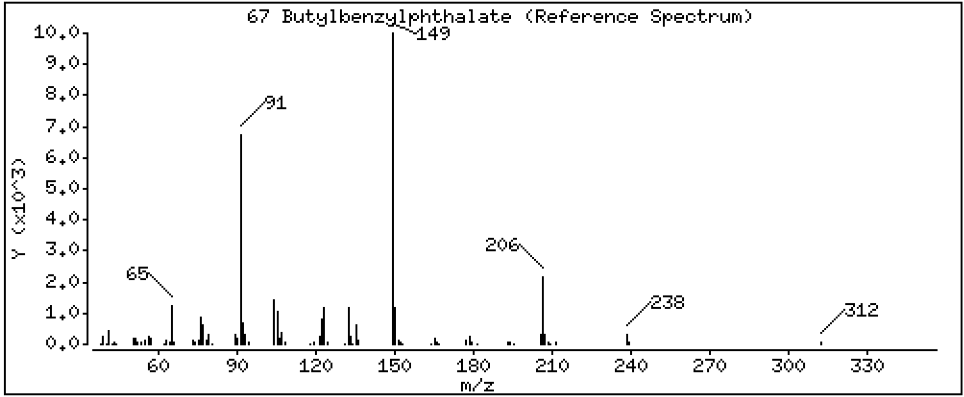
Operator: VTS

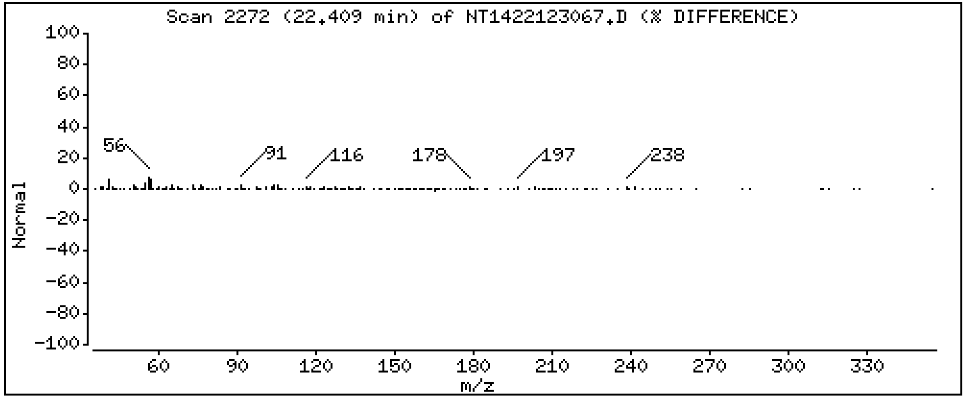
Column phase: ZB-5msi Column diameter: 0.25

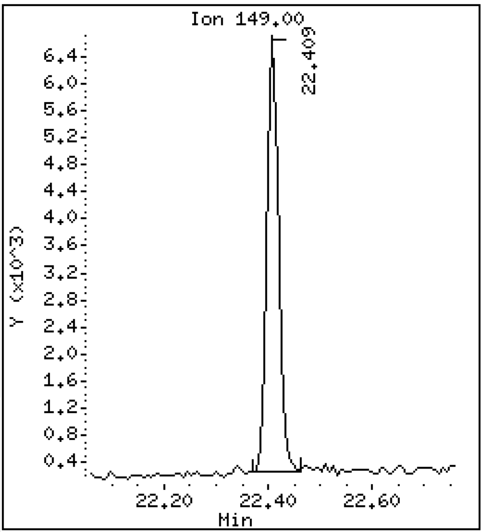
67 Butylbenzylphthalate Concentration: 0.2699 ug/mL


Scan 2272 (22.409 min) of NT1422123067.D


Scan 2272 (22.409 min) of NT1422123067.D (Subtracted)


67 Butylbenzylphthalate (Reference Spectrum)


Scan 2272 (22.409 min) of NT1422123067.D (% DIFFERENCE)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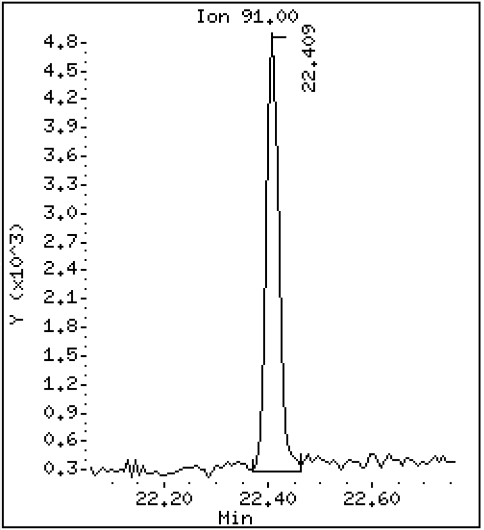
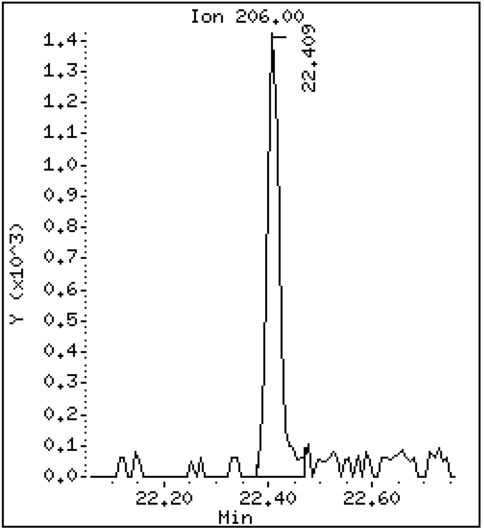

Ion 91.00


Ion 206.00

Data File: \\target\share\chem3\nt14.i\20221230C.b\NT1422123067.D

Date : 01-JAN-2023 00:06

Client ID:

Instrument: nt14.i

Sample Info: SKL0355-LCV3

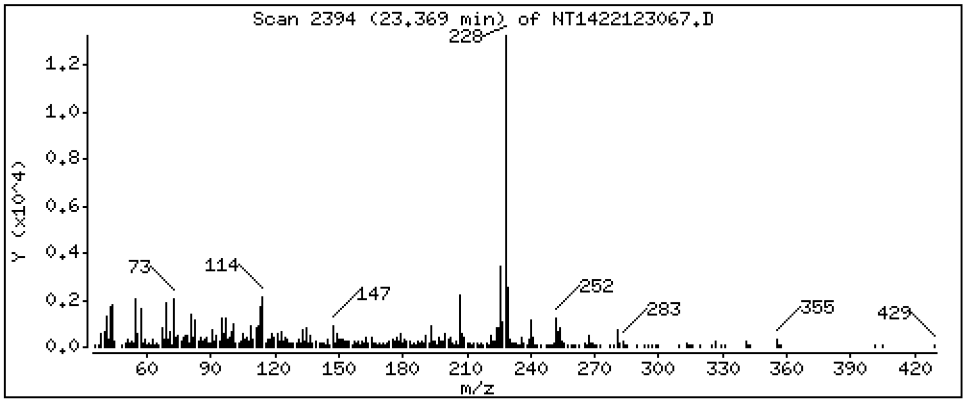
Operator: VTS

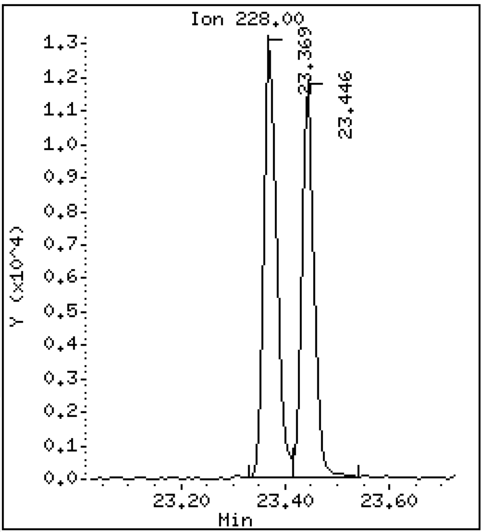
Column phase: ZB-5msi

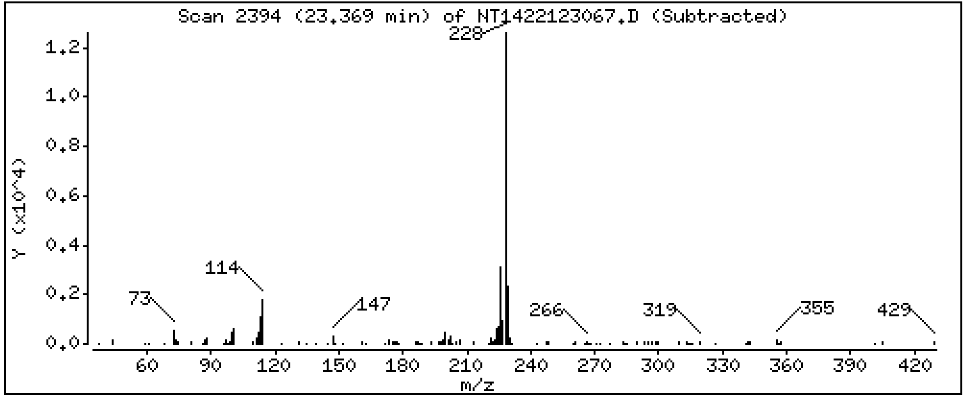
Column diameter: 0.25

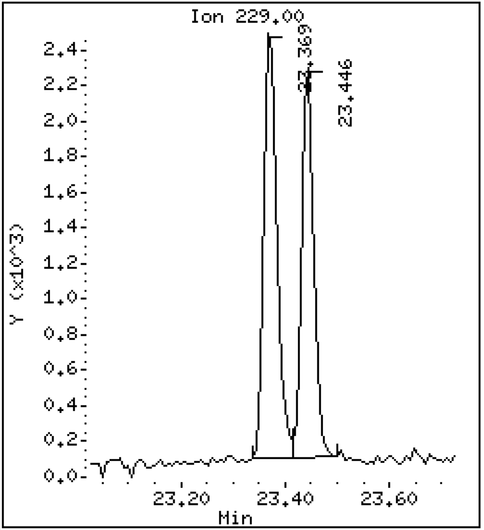
68 Benzo(a)anthracene

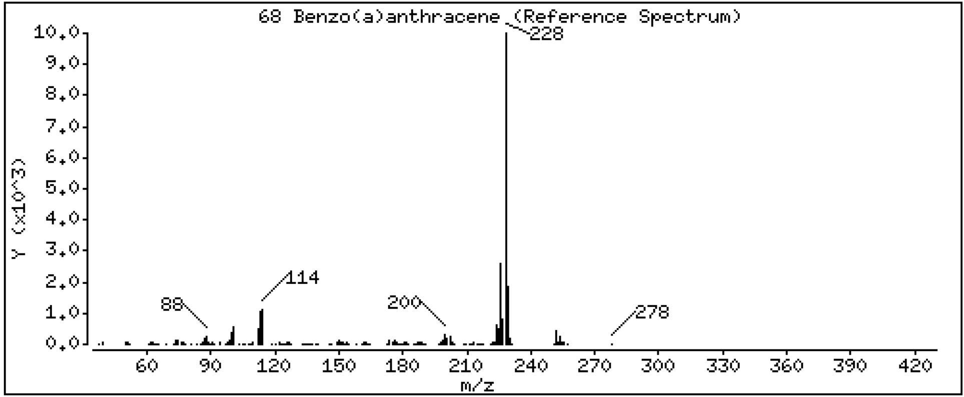
Concentration: 0.2639 ug/mL

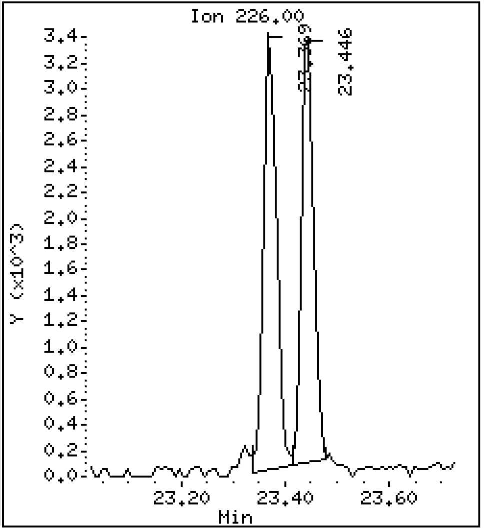


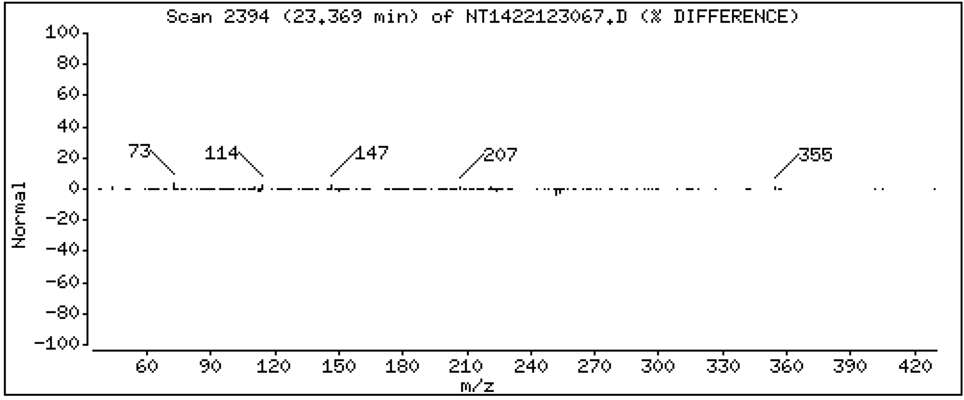












Data File: \\target\share\chem3\nt14.i\20221230C.b\NT1422123067.D

Date : 01-JAN-2023 00:06

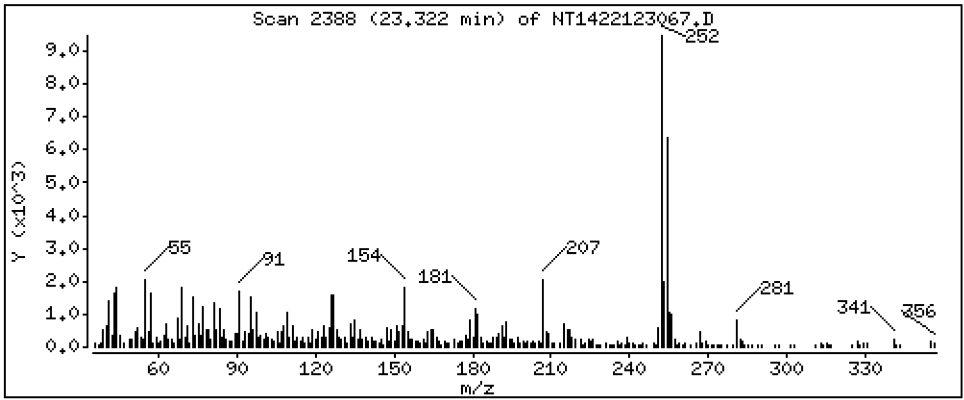
Client ID: Instrument: nt14.i

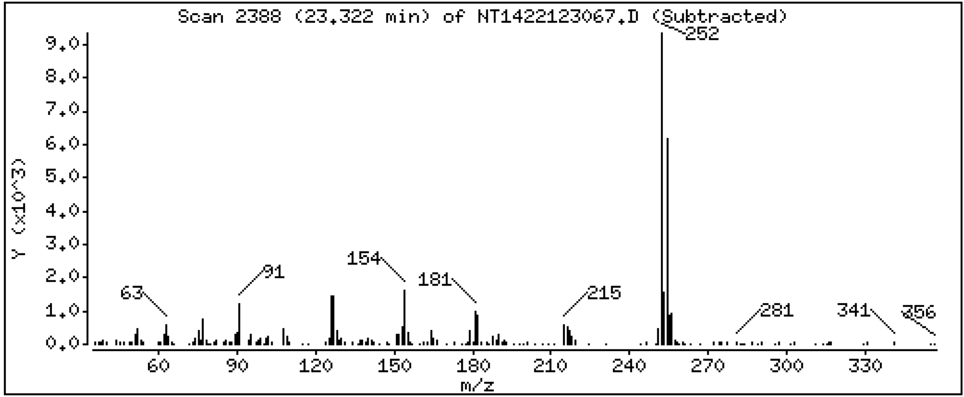
Sample Info: SKL0355-LCV3

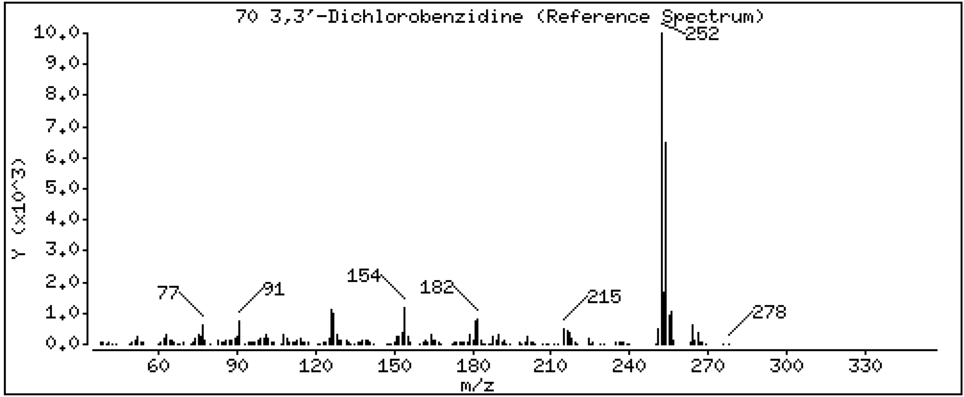
Operator: VTS

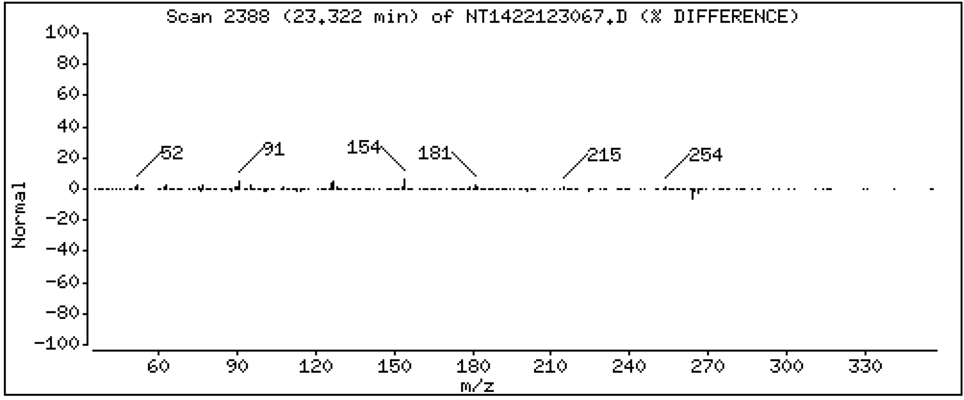
Column phase: ZB-5msi Column diameter: 0.25

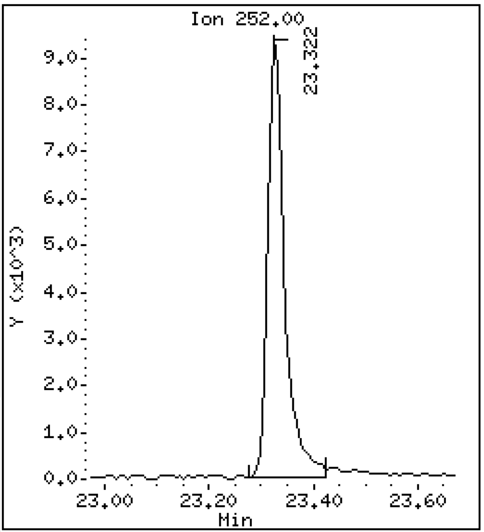
70 3,3'-Dichlorobenzidine Concentration: 0.8193 ug/mL

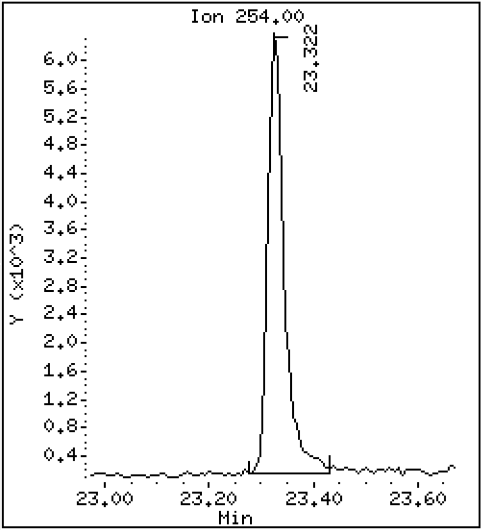

Scan 2388 (23.322 min) of NT1422123067.D

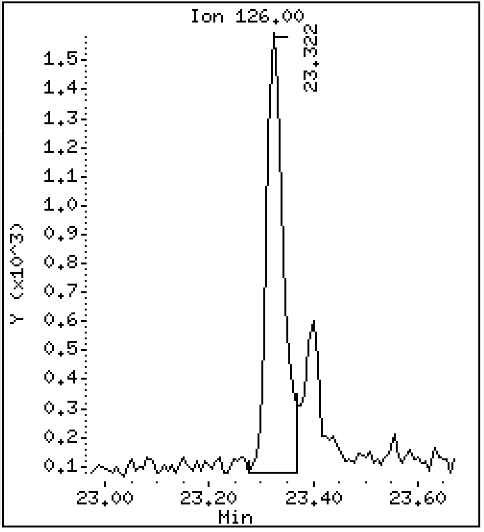

Scan 2388 (23.322 min) of NT1422123067.D (Subtracted)


70 3,3'-Dichlorobenzidine (Reference Spectrum)


Scan 2388 (23.322 min) of NT1422123067.D (% DIFFERENCE)


Ion 252.00


Ion 254.00


Ion 126.00

Data File: \\target\share\chem3\nt14.i\20221230C.b\NT1422123067.D

Date : 01-JAN-2023 00:06

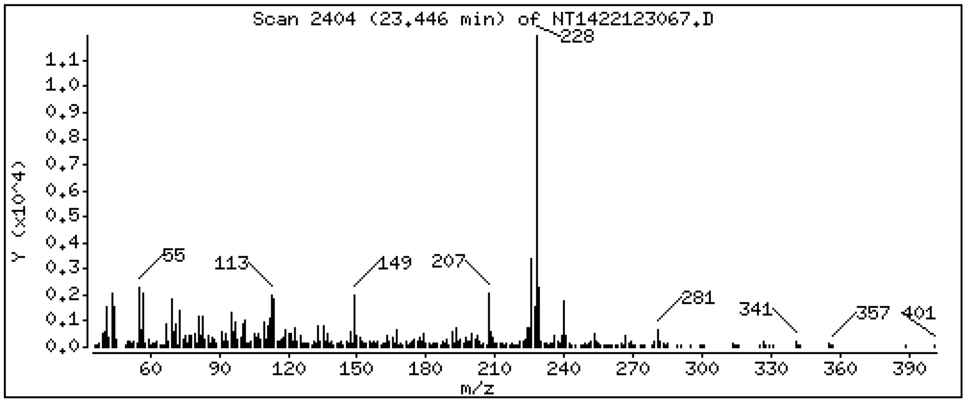
Client ID: Instrument: nt14.i

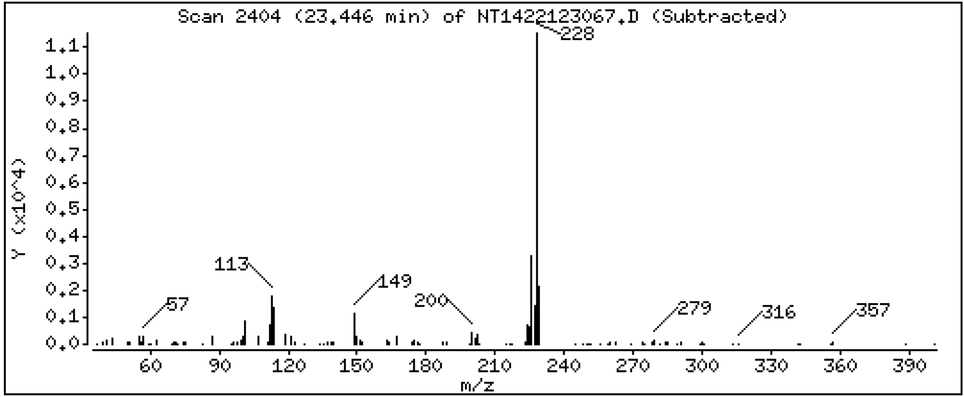
Sample Info: SKL0355-LCV3

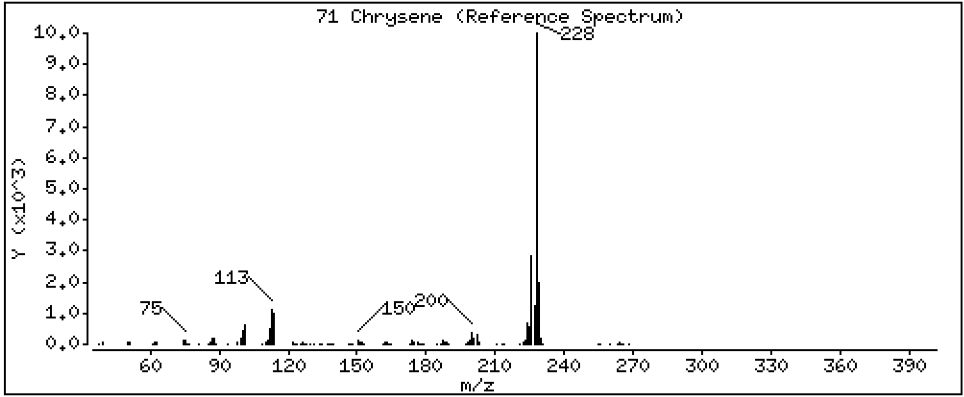
Operator: VTS

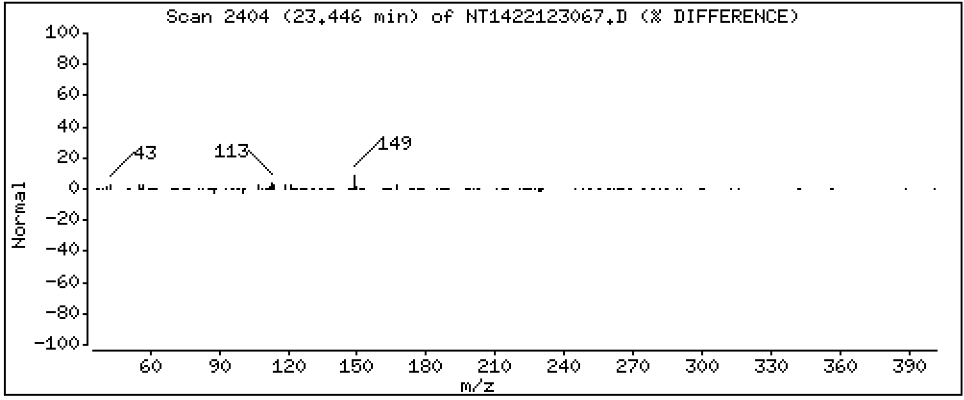
Column phase: ZB-5msi Column diameter: 0.25

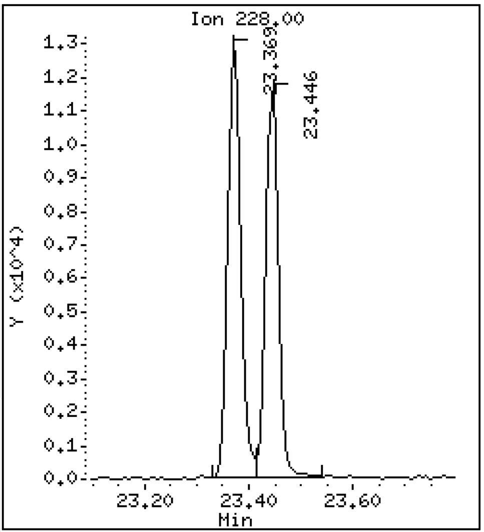
71 Chrysene Concentration: 0.2429 ug/mL

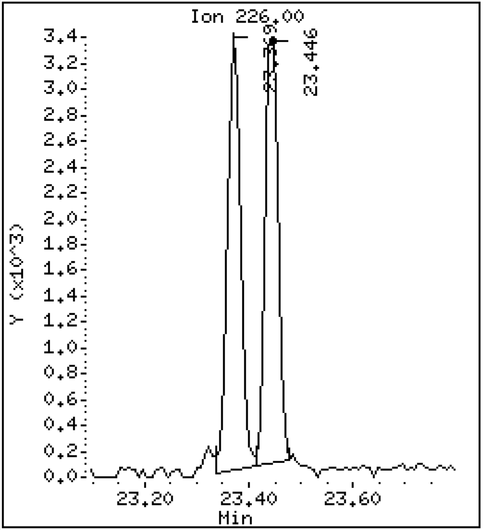


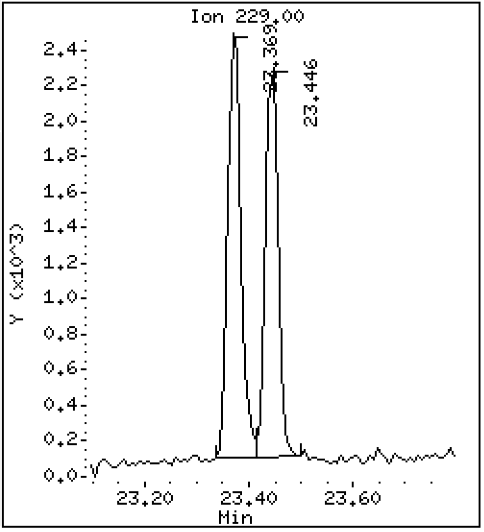












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Date : 01-JAN-2023 00:06

Client ID:

Instrument: nt14.i

Sample Info: SKL0355-LCV3

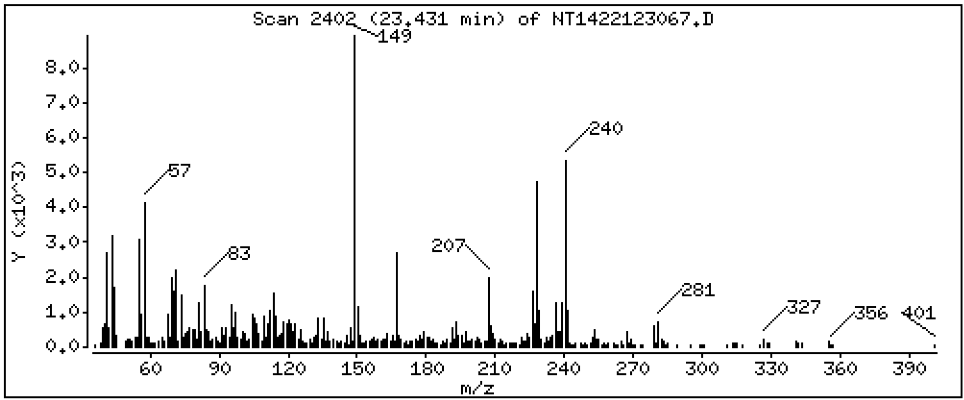
Operator: VTS

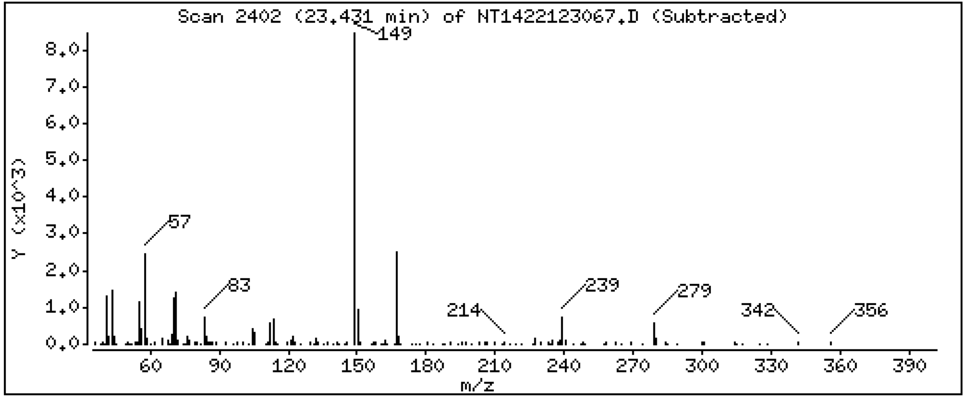
Column phase: ZB-5msi

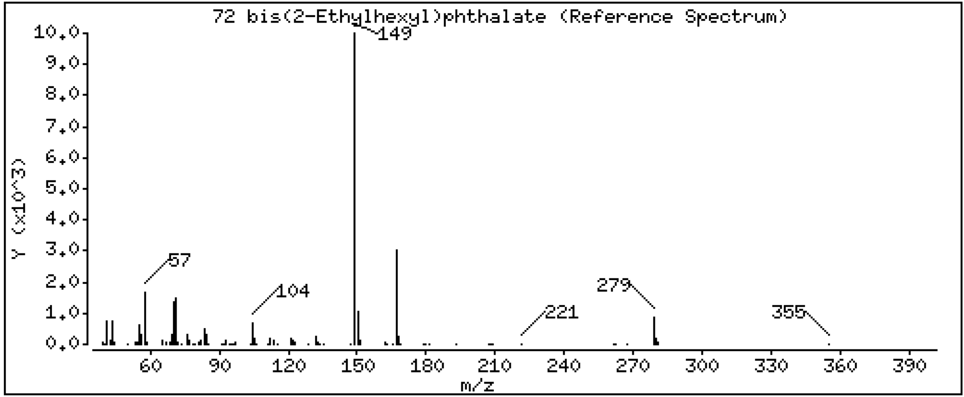
Column diameter: 0.25

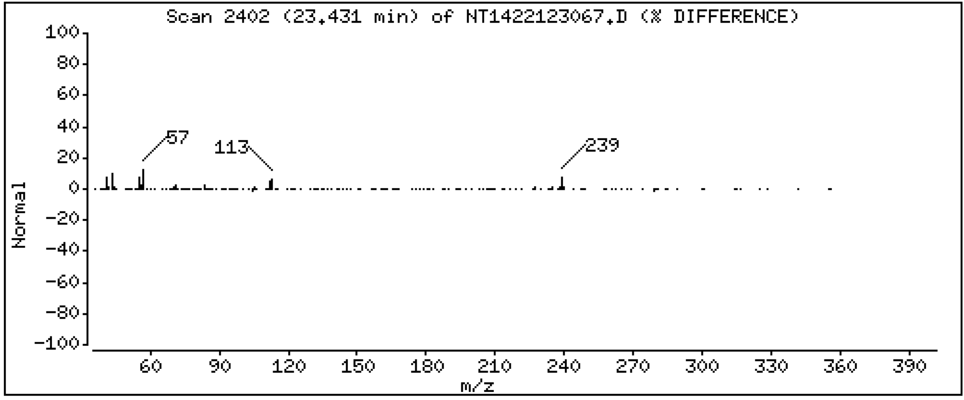
72 bis(2-Ethylhexyl)phthalate

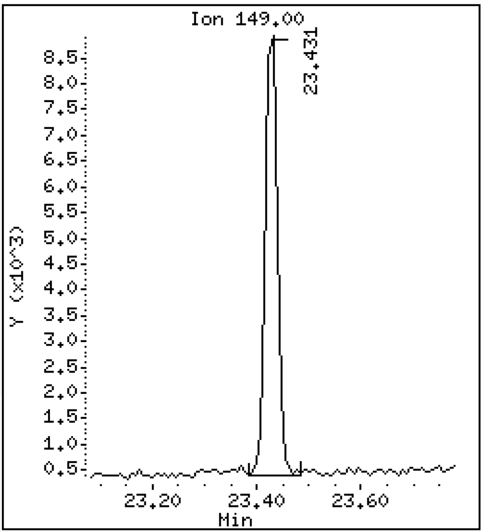
Concentration: 0.2611 ug/mL

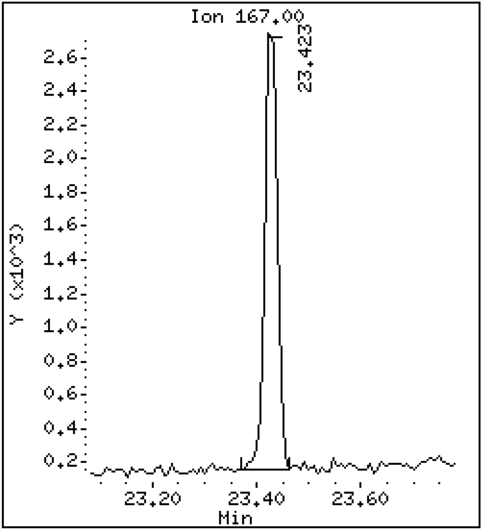


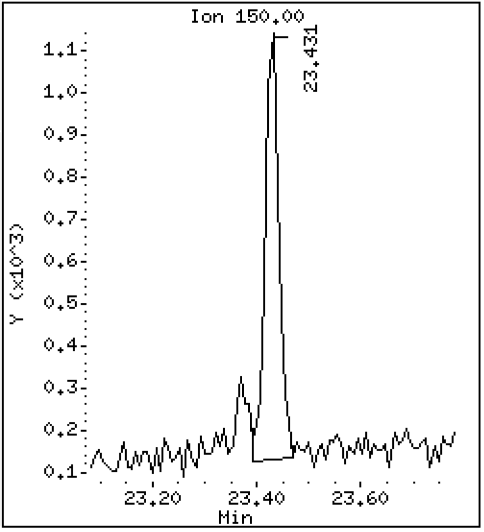












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Date : 01-JAN-2023 00:06

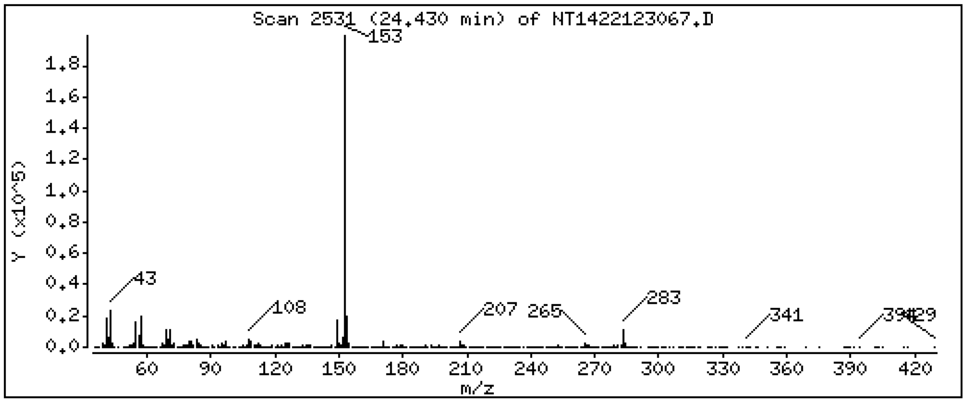
Client ID: Instrument: nt14.i

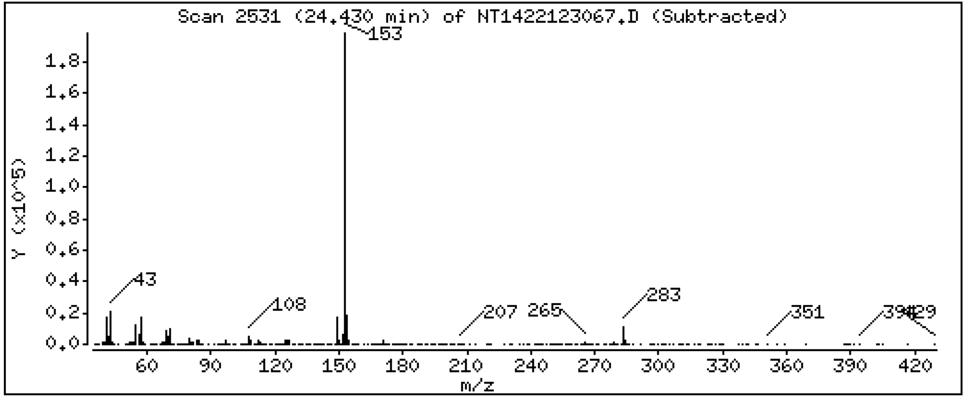
Sample Info: SKL0355-LCV3

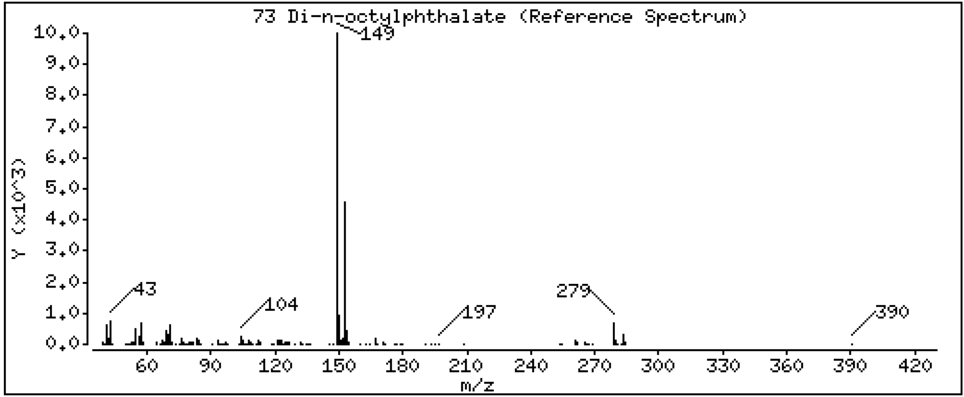
Operator: VTS

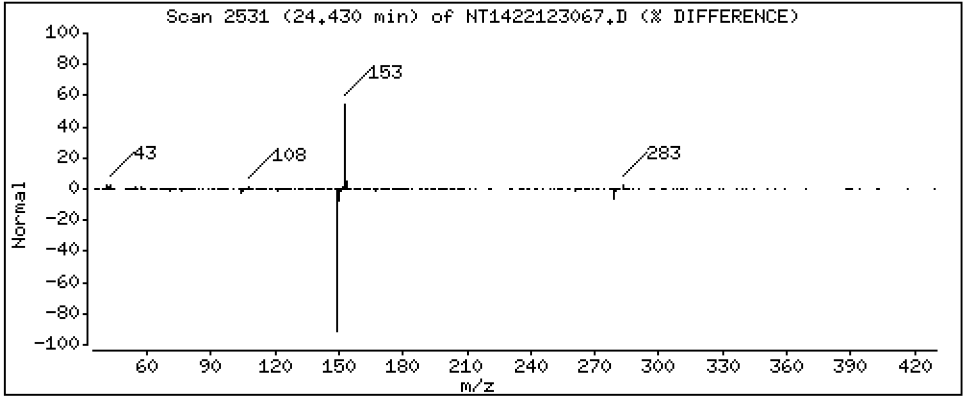
Column phase: ZB-5msi Column diameter: 0.25

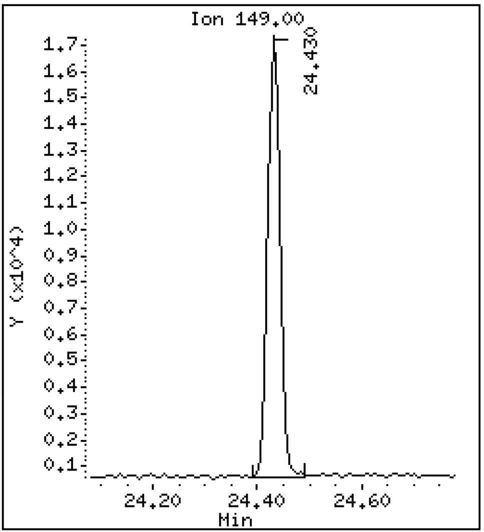
73 Di-n-octylphthalate Concentration: 0.2459 ug/mL

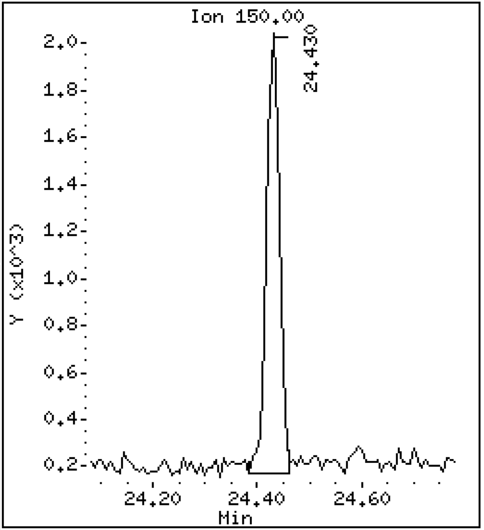


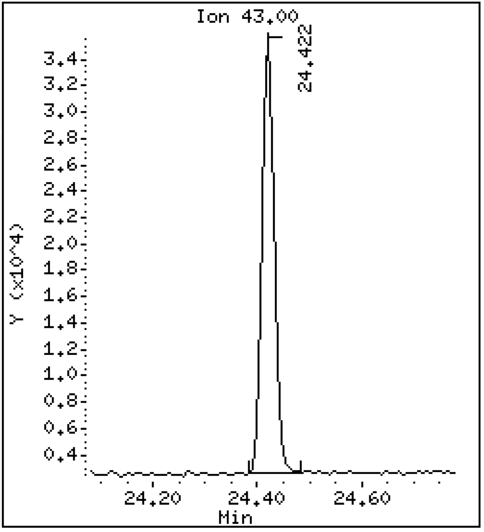












Data File: \\target\share\chem3\nt14.i\20221230C.b\NT1422123067.D

Date : 01-JAN-2023 00:06

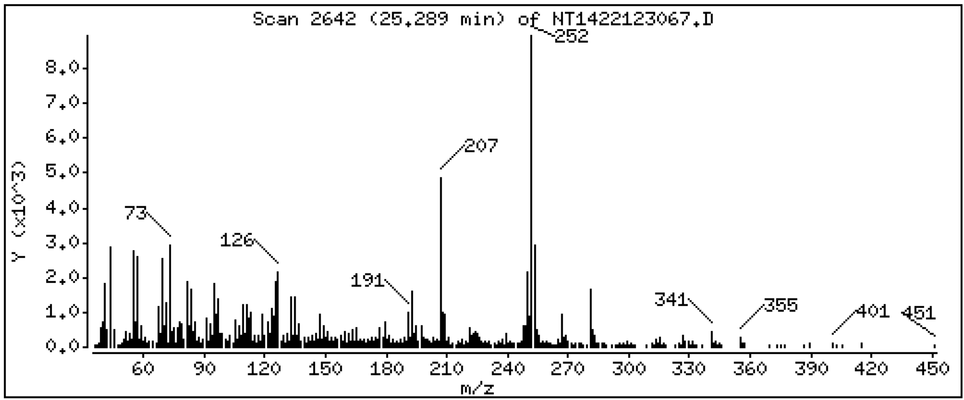
Client ID: Instrument: nt14.i

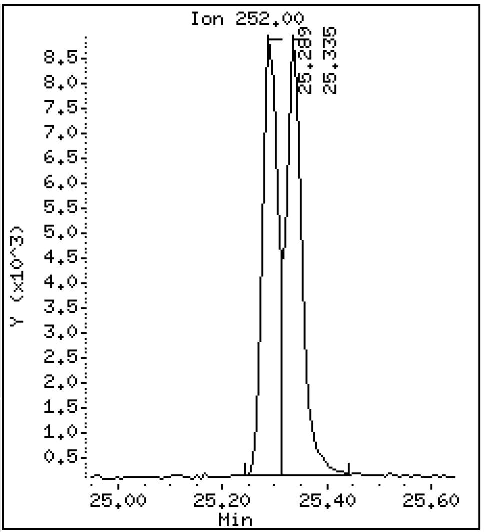
Sample Info: SKL0355-LCV3

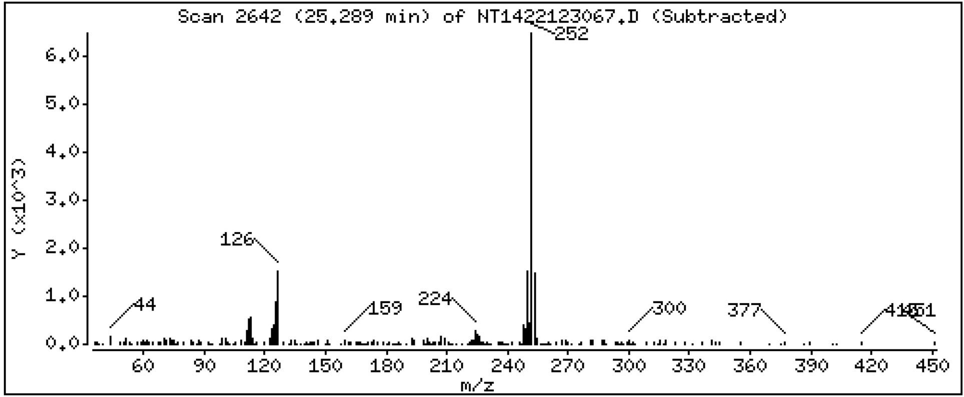
Operator: VTS

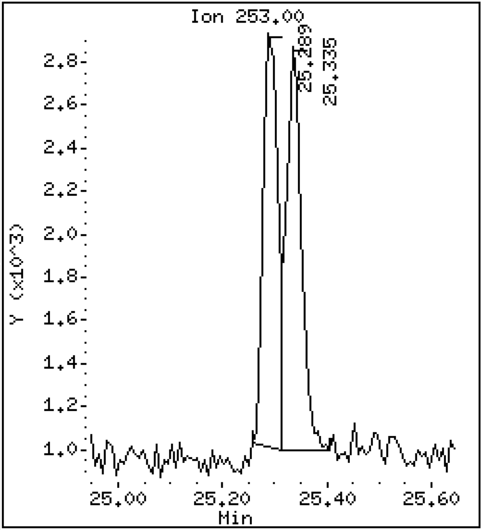
Column phase: ZB-5msi Column diameter: 0.25

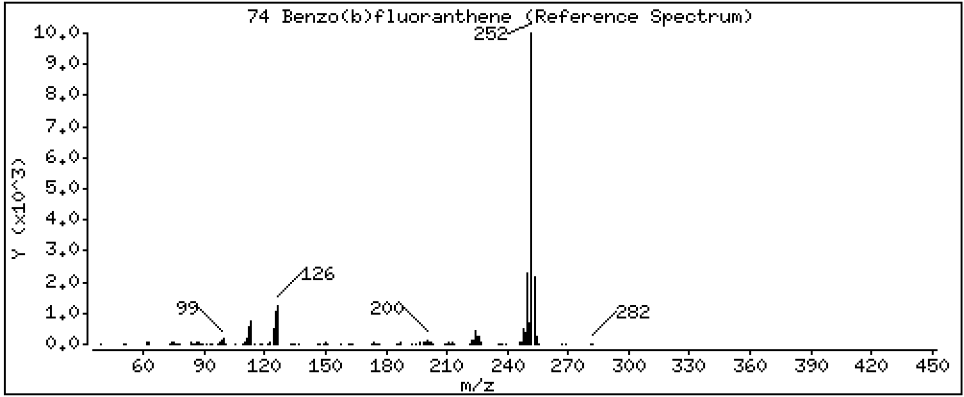
74 Benzo(b)fluoranthene Concentration: 0.2414 ug/mL

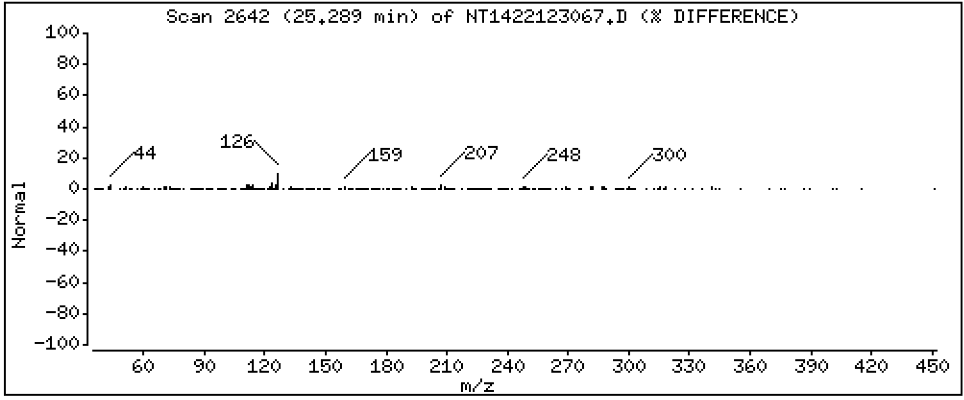

Scan 2642 (25.289 min) of NT1422123067.D

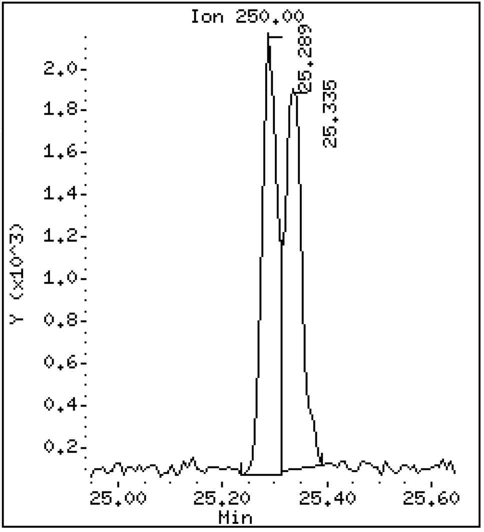

Ion 252.00


Scan 2642 (25.289 min) of NT1422123067.D (Subtracted)


Ion 253.00


74 Benzo(b)fluoranthene (Reference Spectrum)


Scan 2642 (25.289 min) of NT1422123067.D (% DIFFERENCE)


Ion 250.00

Data File: \\target\share\chem3\nt14.i\20221230C.b\NT1422123067.D

Date : 01-JAN-2023 00:06

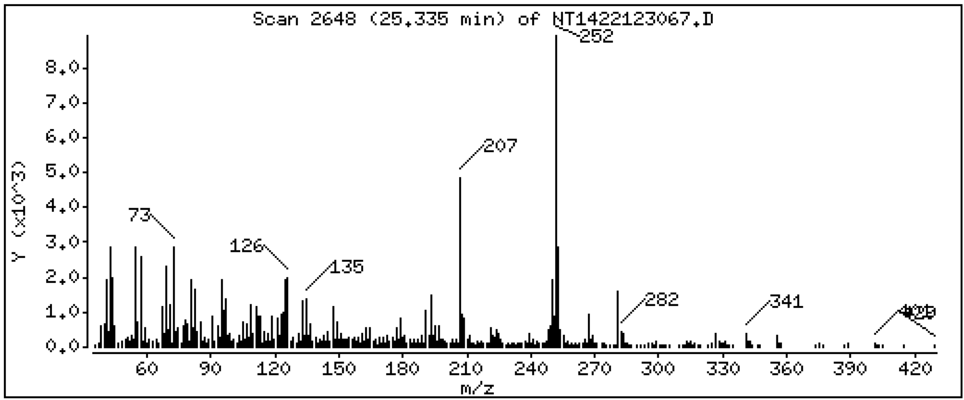
Client ID: Instrument: nt14.i

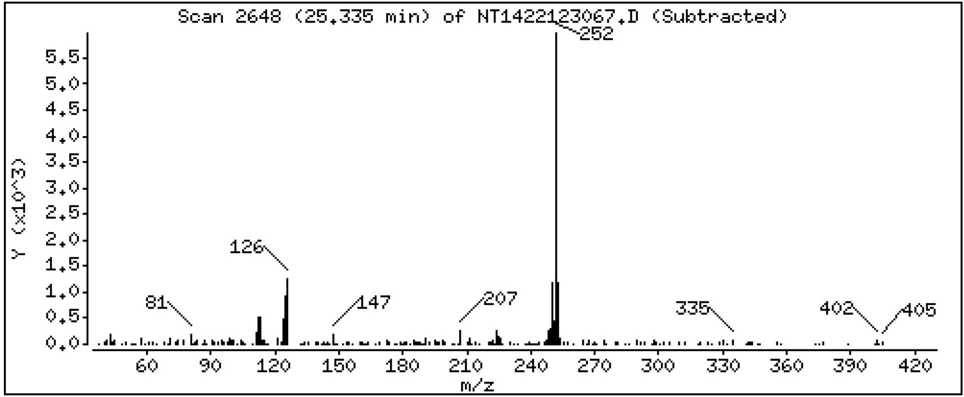
Sample Info: SKL0355-LCV3

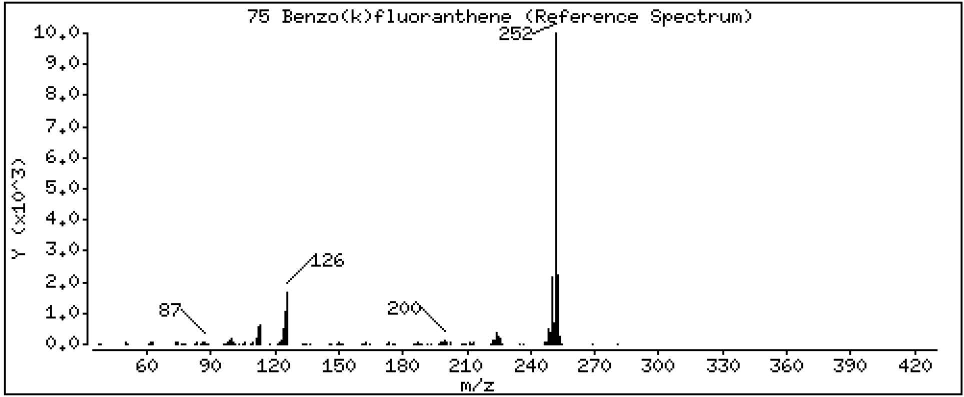
Operator: VTS

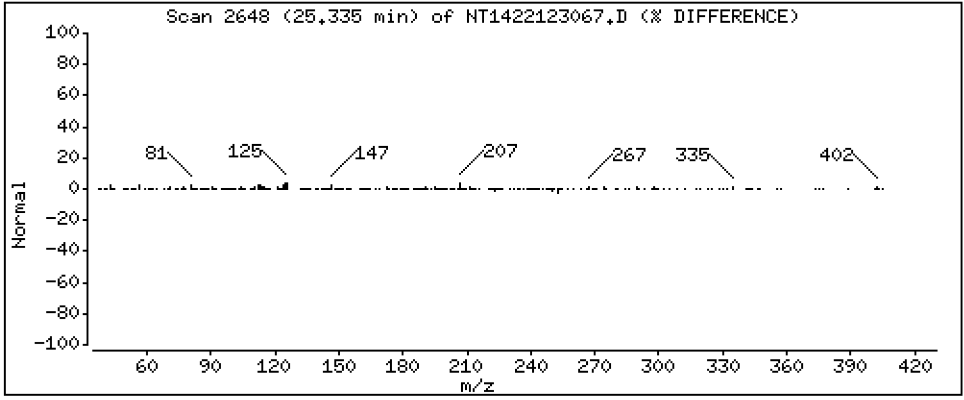
Column phase: ZB-5msi Column diameter: 0.25

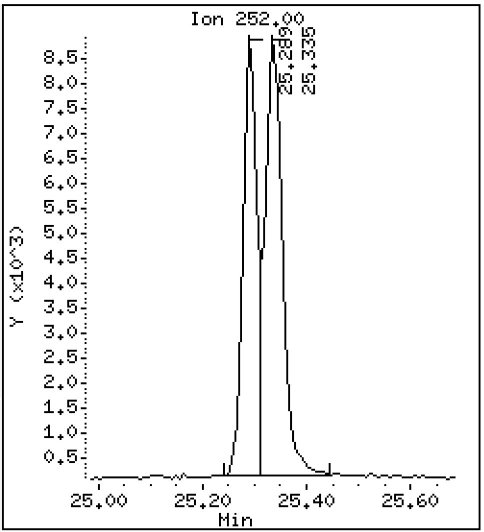
75 Benzo(k)fluoranthene Concentration: 0.2810 ug/mL

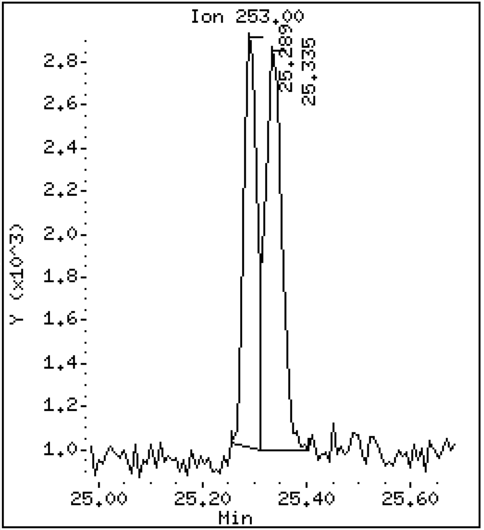


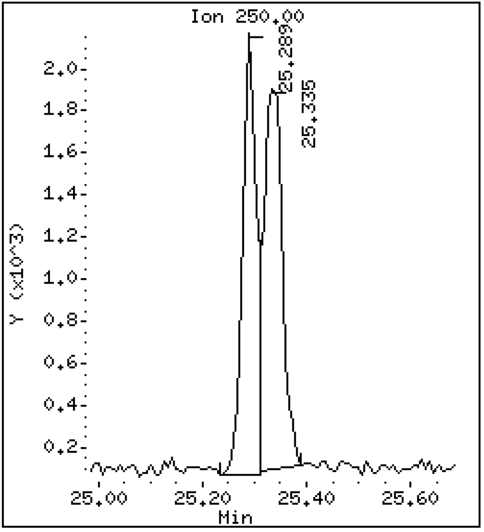












Date : 01-JAN-2023 00:06

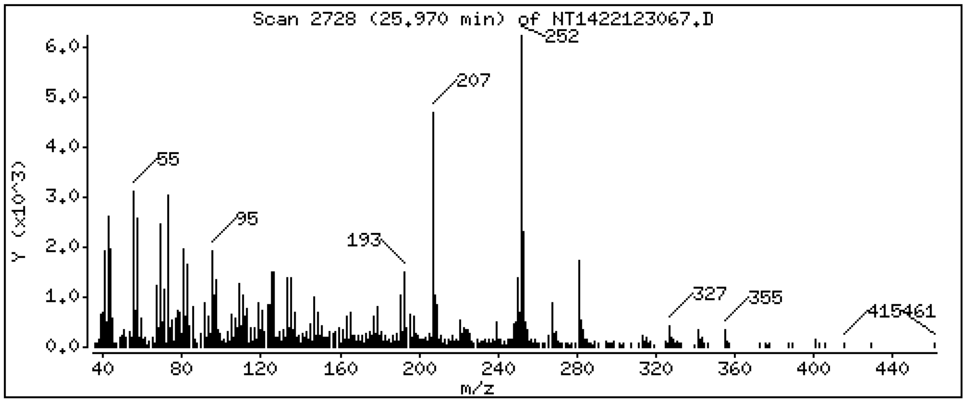
Client ID: Instrument: nt14.i

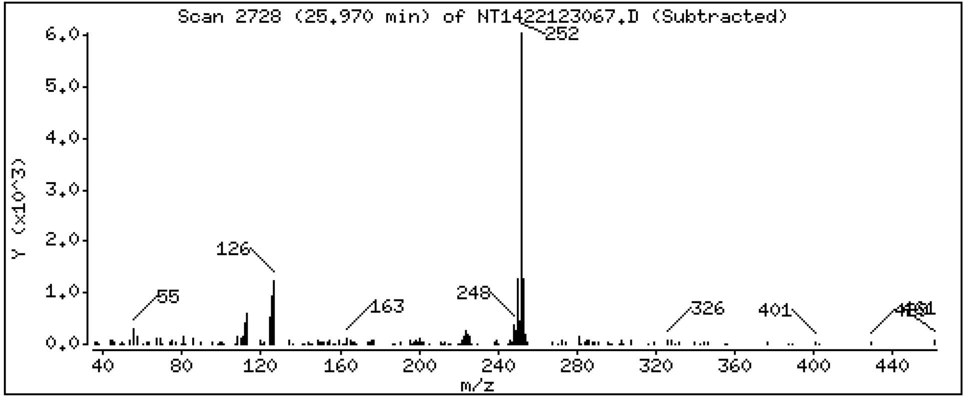
Sample Info: SKL0355-LCV3

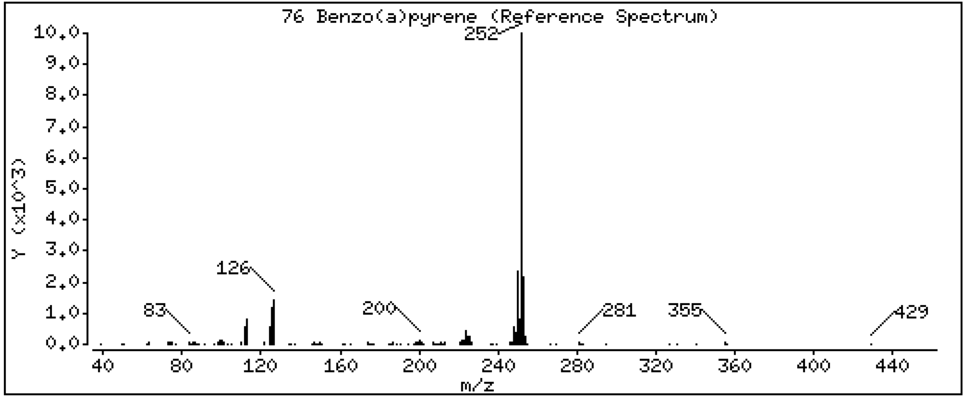
Operator: VTS

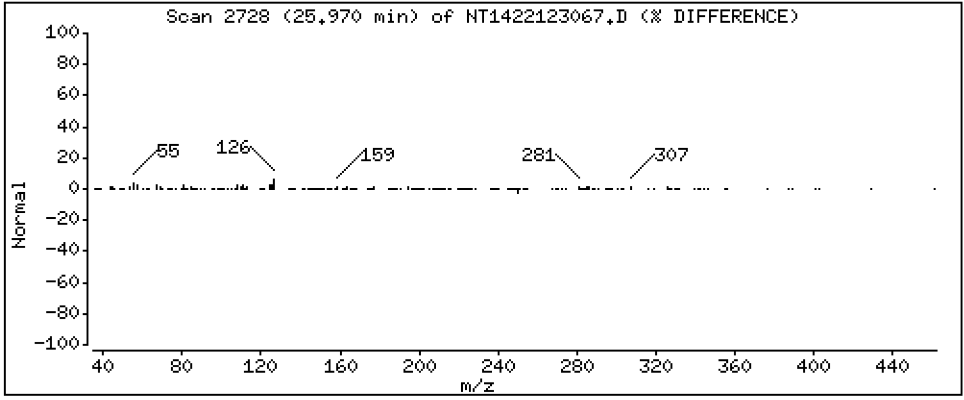
Column phase: ZB-5msi Column diameter: 0.25

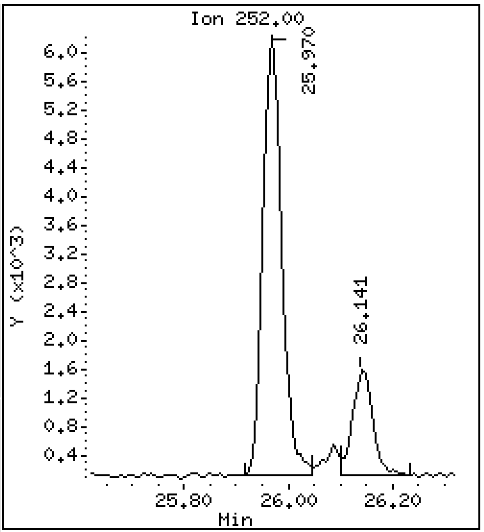
76 Benzo(a)pyrene Concentration: 0.2524 ug/mL

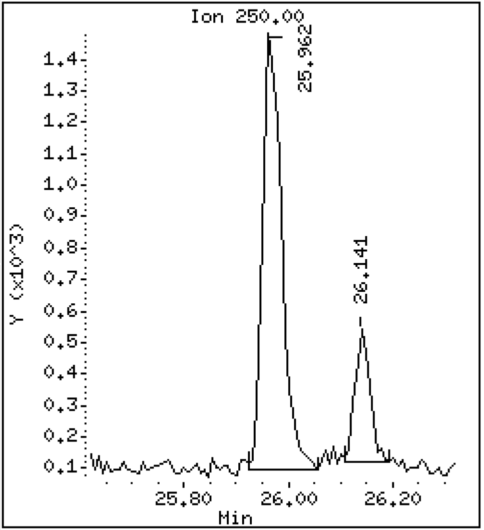

Scan 2728 (25.970 min) of NT1422123067.D

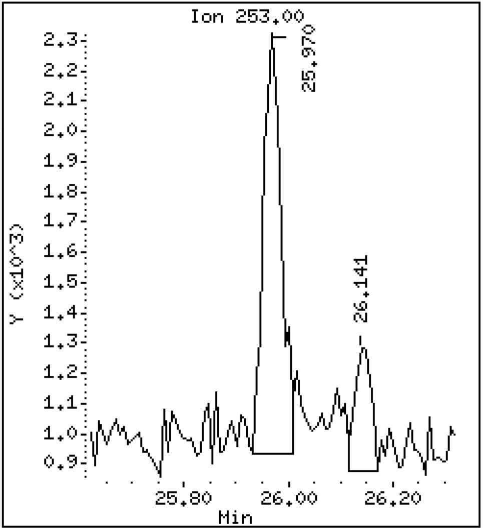

Scan 2728 (25.970 min) of NT1422123067.D (Subtracted)


76 Benzo(a)pyrene (Reference Spectrum)


Scan 2728 (25.970 min) of NT1422123067.D (% DIFFERENCE)


Ion 252.00


Ion 250.00


Ion 253.00

Date : 01-JAN-2023 00:06

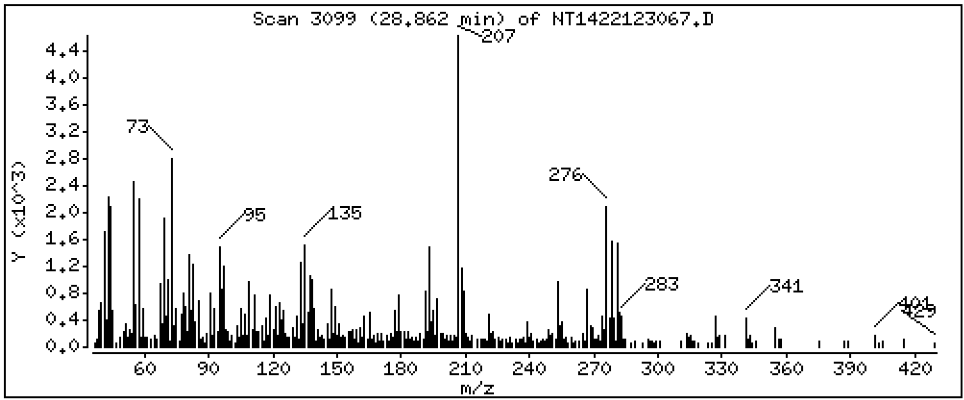
Client ID: Instrument: nt14.i

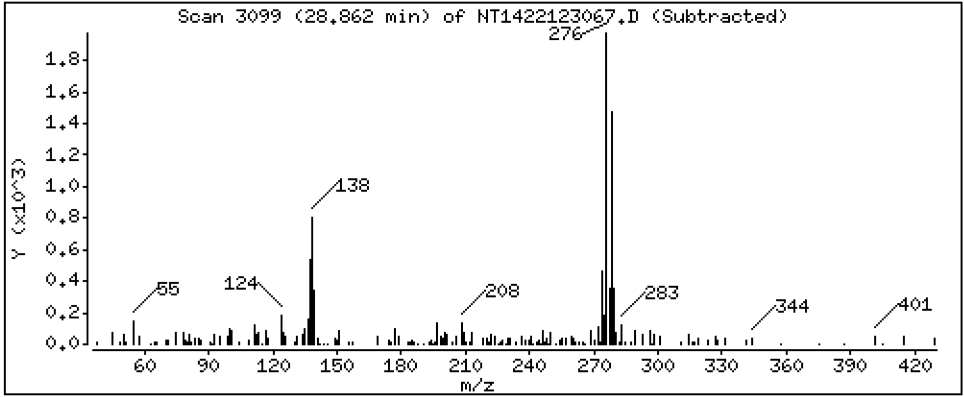
Sample Info: SKL0355-LCV3

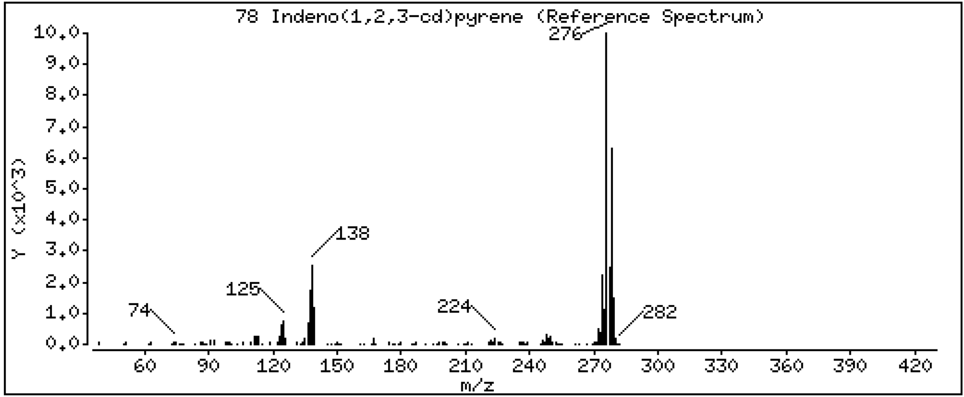
Operator: VTS

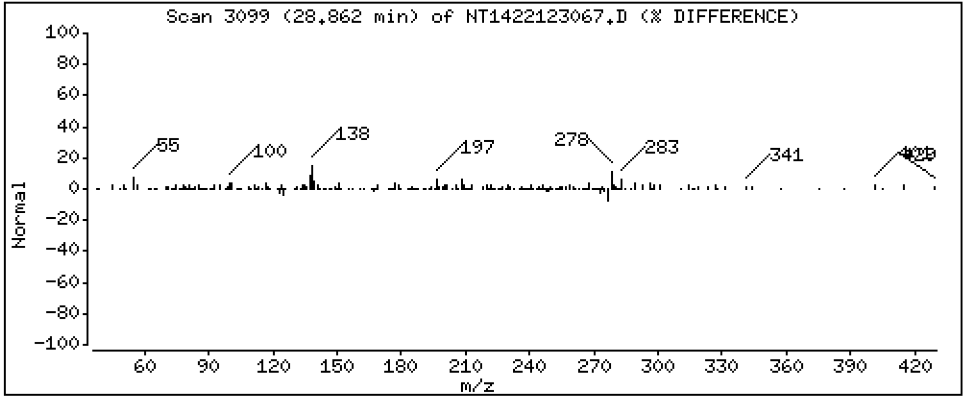
Column phase: ZB-5msi Column diameter: 0.25

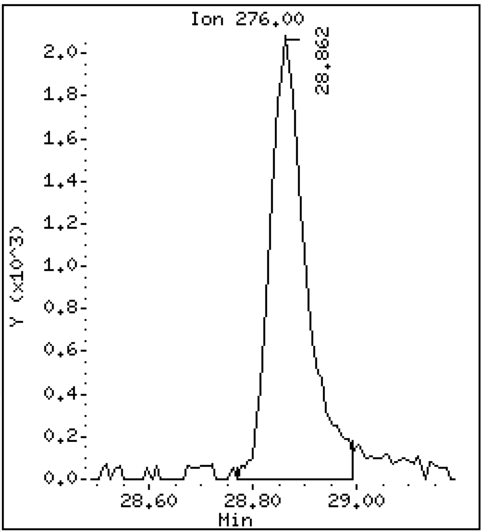
78 Indeno(1,2,3-cd)pyrene Concentration: 0.1494 ug/mL

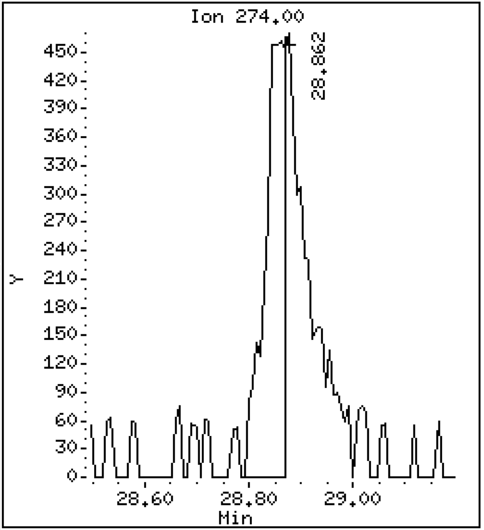


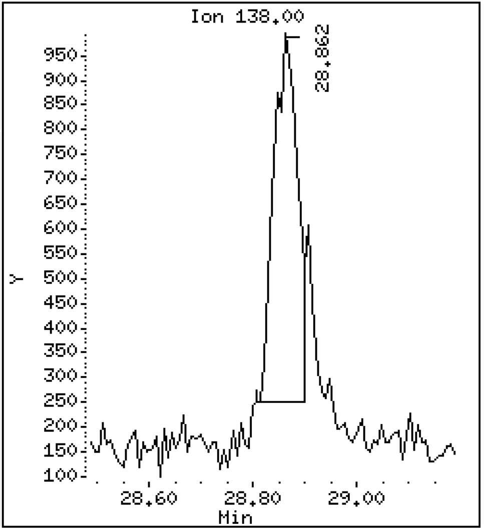












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Date : 01-JAN-2023 00:06

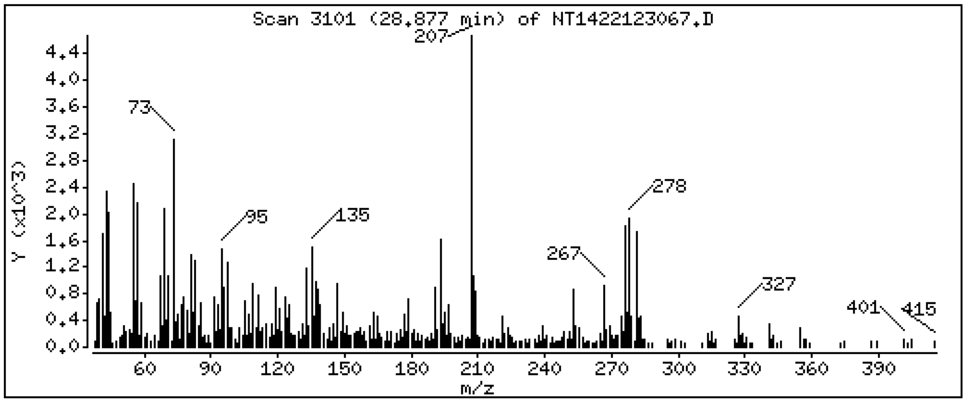
Client ID: Instrument: nt14.i

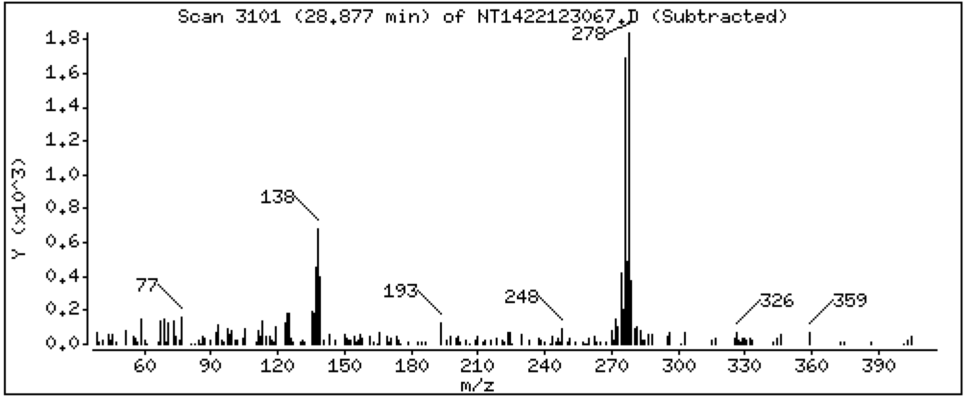
Sample Info: SKL0355-LCV3

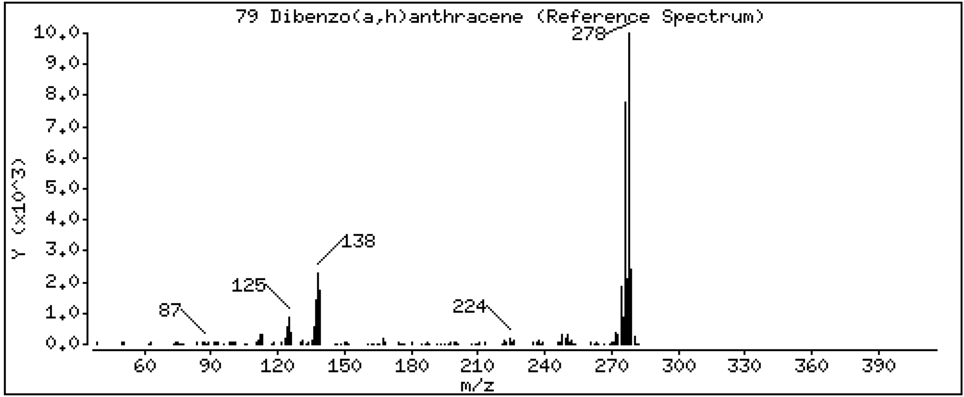
Operator: VTS

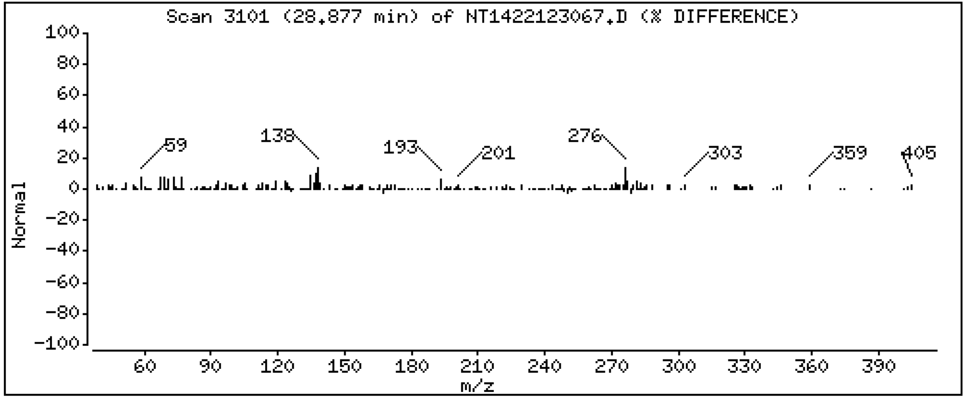
Column phase: ZB-5msi Column diameter: 0.25

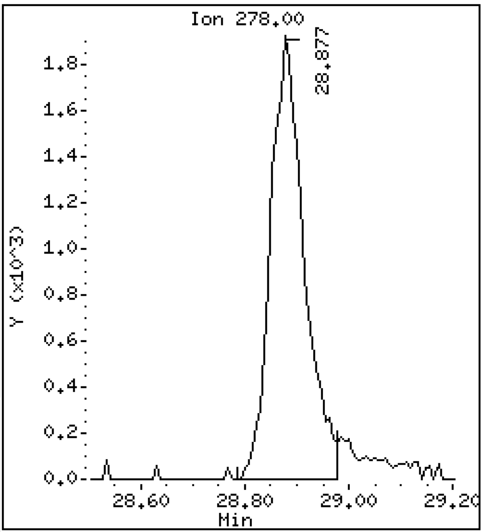
79 Dibenzo(a,h)anthracene Concentration: 0.1509 ug/mL

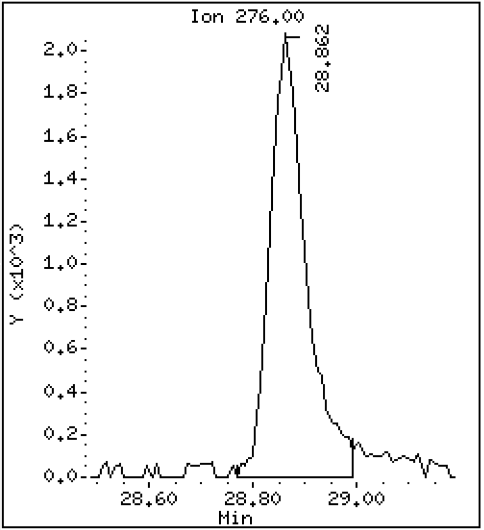


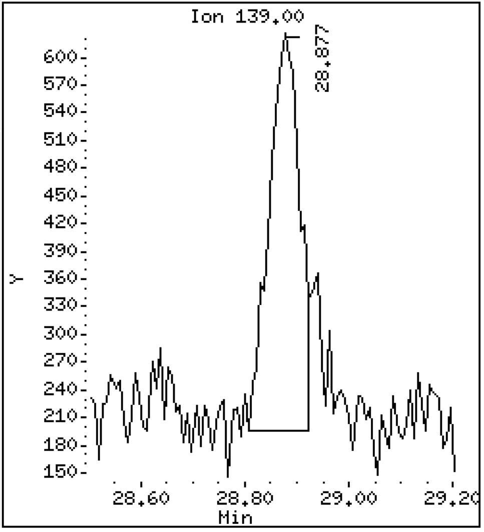












Data File: \\target\share\chem3\nt14.i\20221230C.b\NT1422123067.D

Date : 01-JAN-2023 00:06

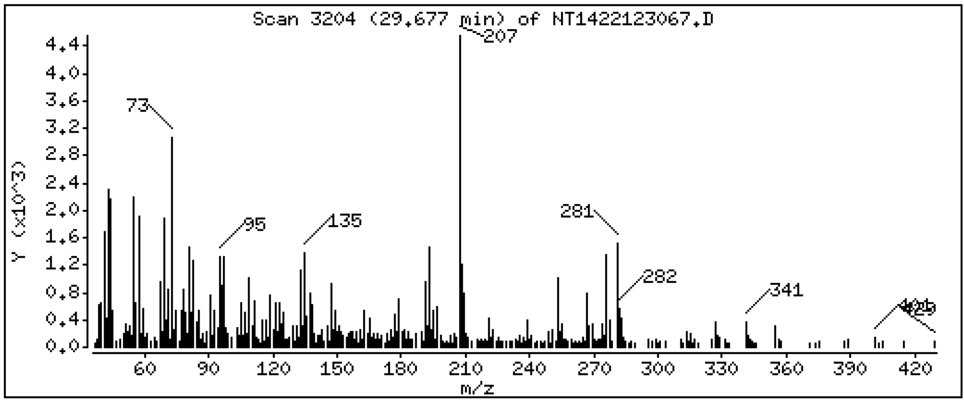
Client ID: Instrument: nt14.i

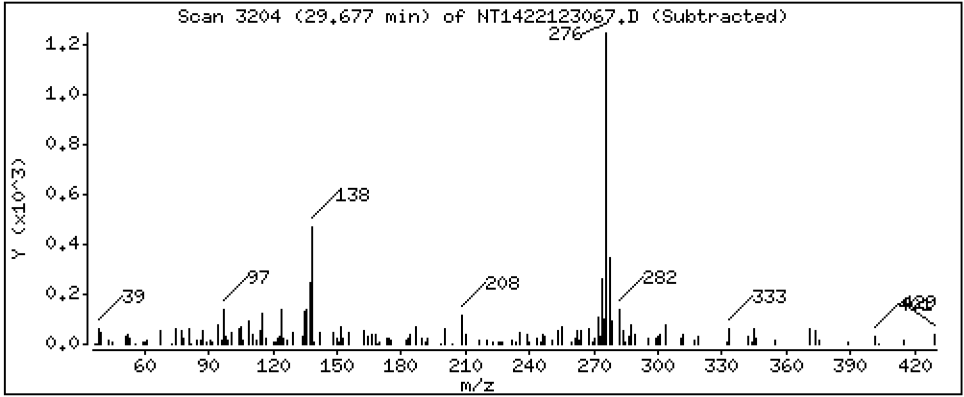
Sample Info: SKL0355-LCV3

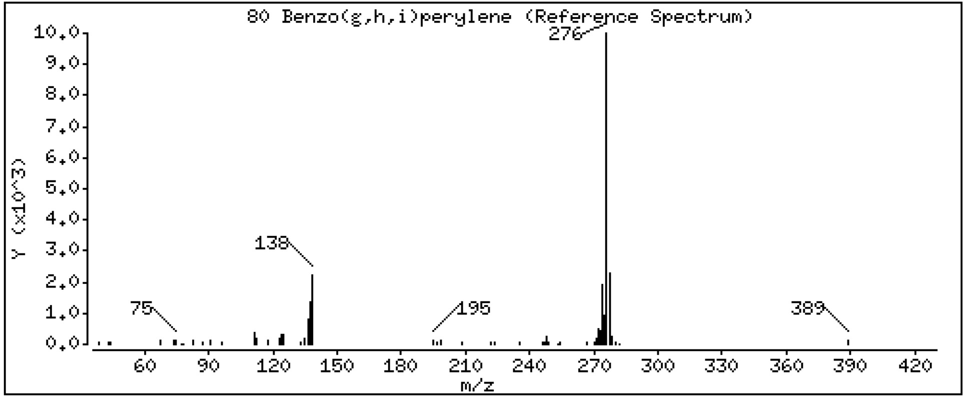
Operator: VTS

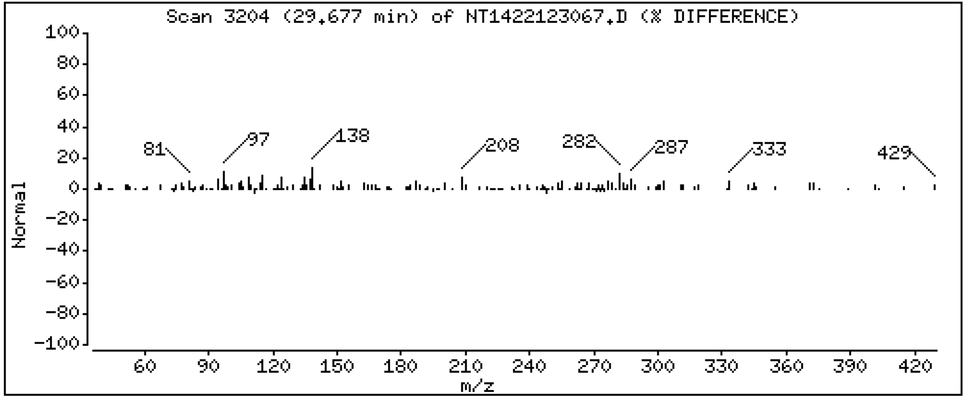
Column phase: ZB-5msi Column diameter: 0.25

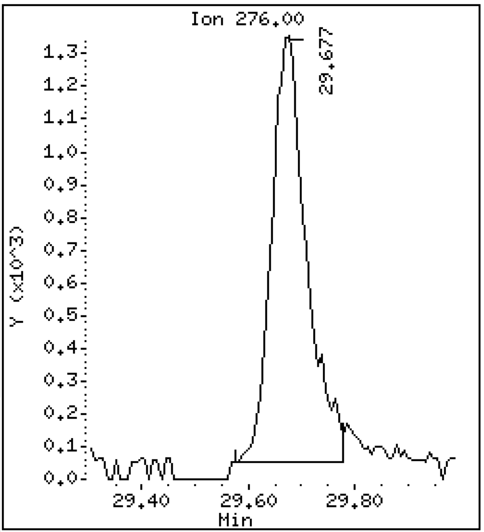
80 Benzo(g,h,i)perylene Concentration: 0.1058 ug/mL

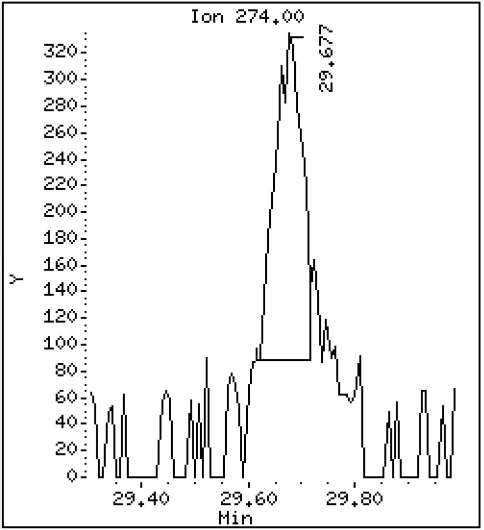

Scan 3204 (29.677 min) of NT1422123067.D

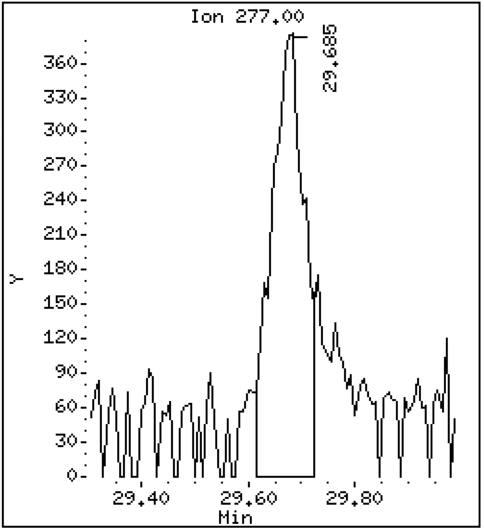

Scan 3204 (29.677 min) of NT1422123067.D (Subtracted)


80 Benzo(g,h,i)perylene (Reference Spectrum)


Scan 3204 (29.677 min) of NT1422123067.D (% DIFFERENCE)


Ion 276.00


Ion 274.00


Ion 277.00

Data File: \\target\share\chem3\nt14.i\20221230C.b\NT1422123067.D

Date : 01-JAN-2023 00:06

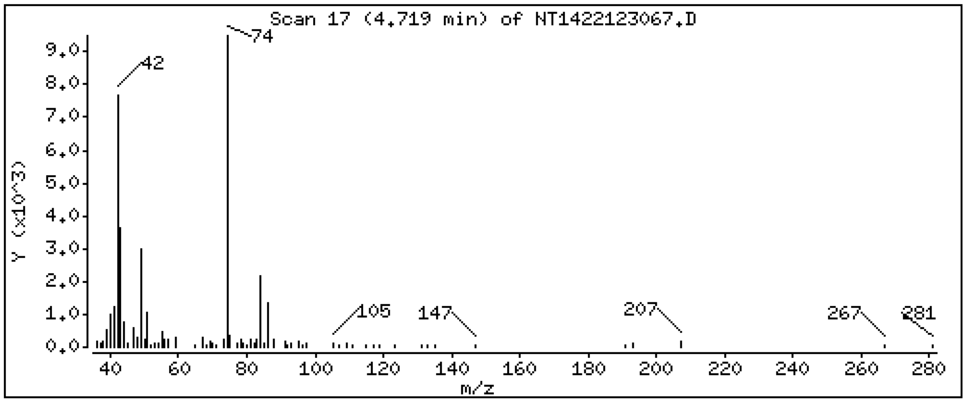
Client ID: Instrument: nt14.i

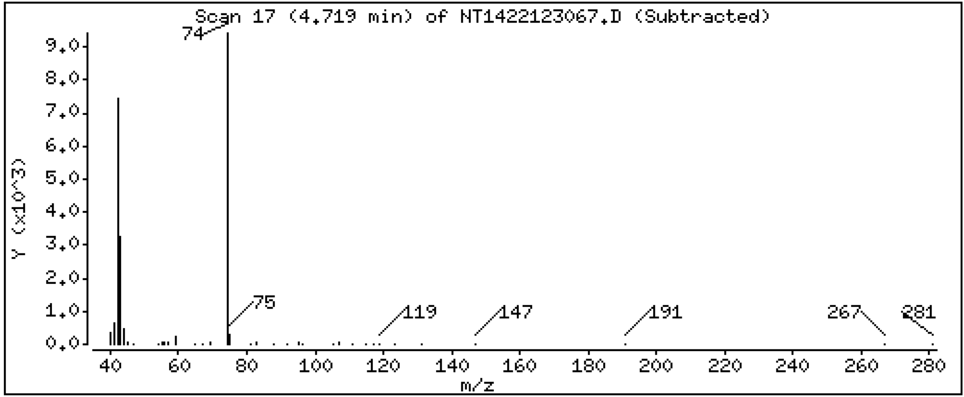
Sample Info: SKL0355-LCV3

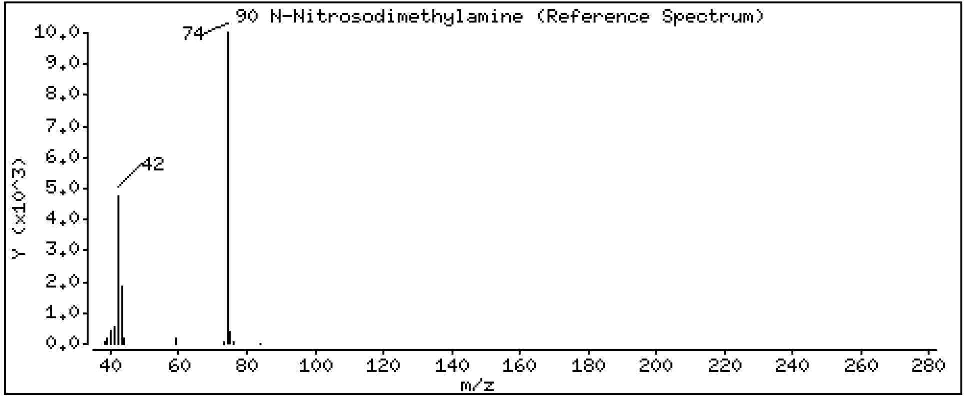
Operator: VTS

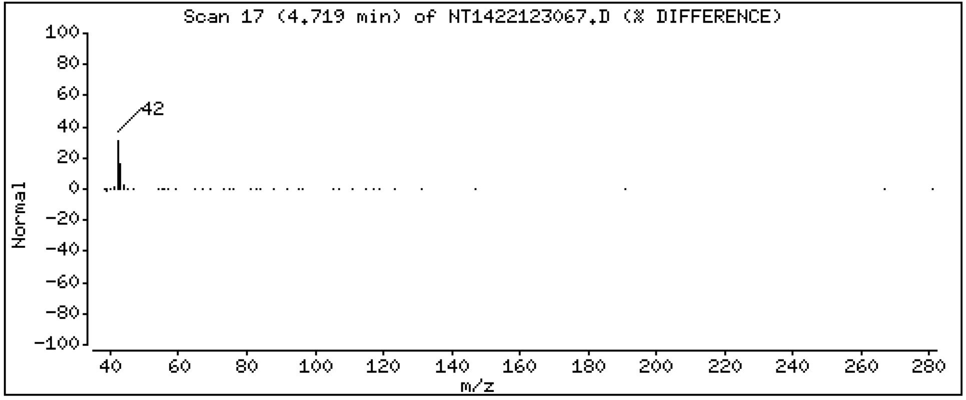
Column phase: ZB-5msi Column diameter: 0.25

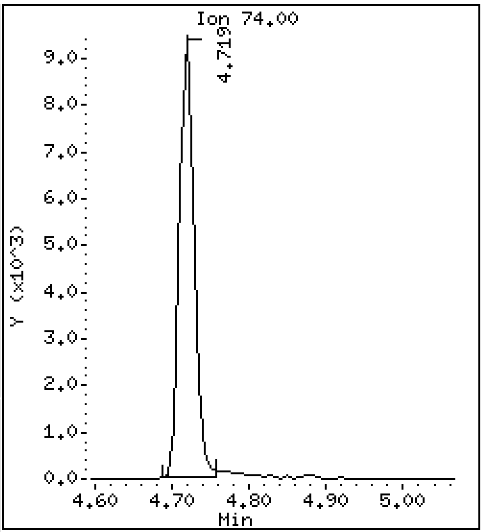
90 N-Nitrosodimethylamine Concentration: 0.4928 ug/mL

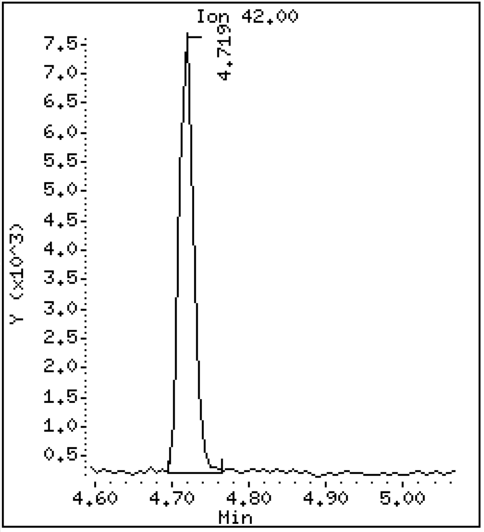












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Date : 01-JAN-2023 00:06

Client ID:

Instrument: nt14.i

Sample Info: SKL0355-LCV3

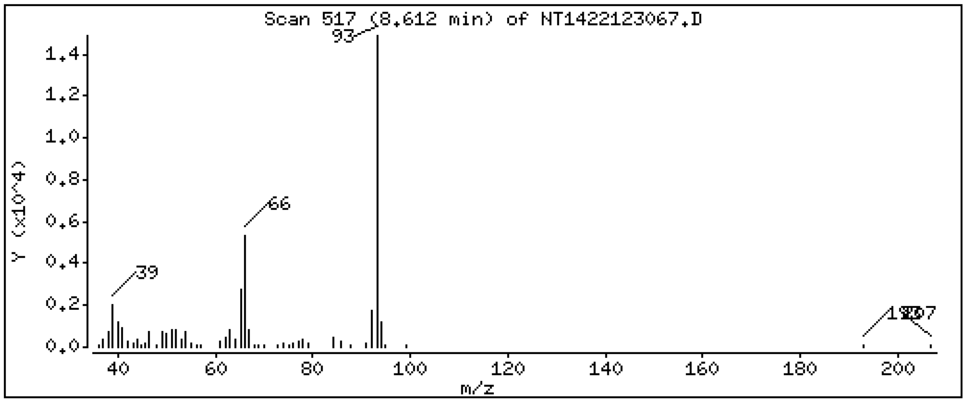
Operator: VTS

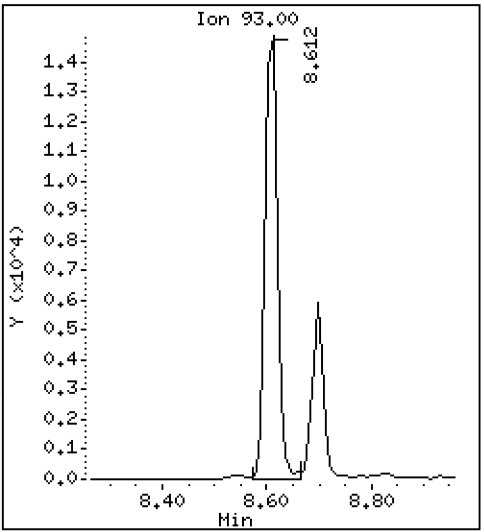
Column phase: ZB-5msi

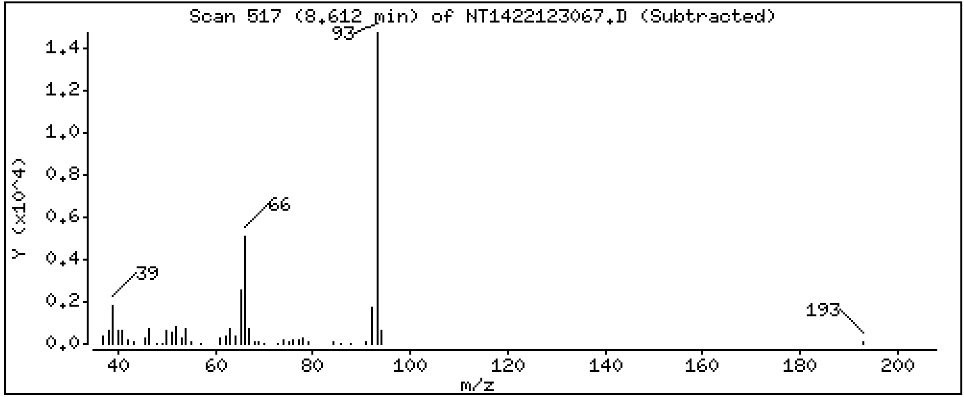
Column diameter: 0.25

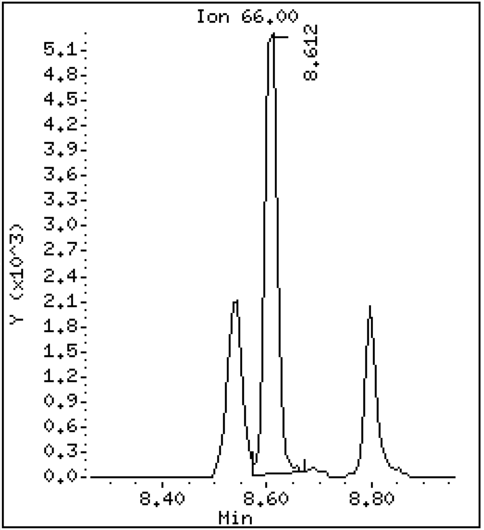
91 Aniline

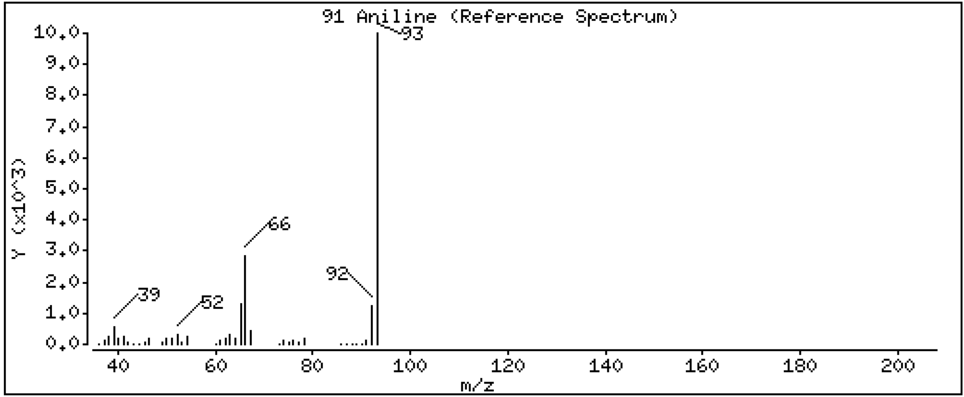
Concentration: 0.4840 ug/mL

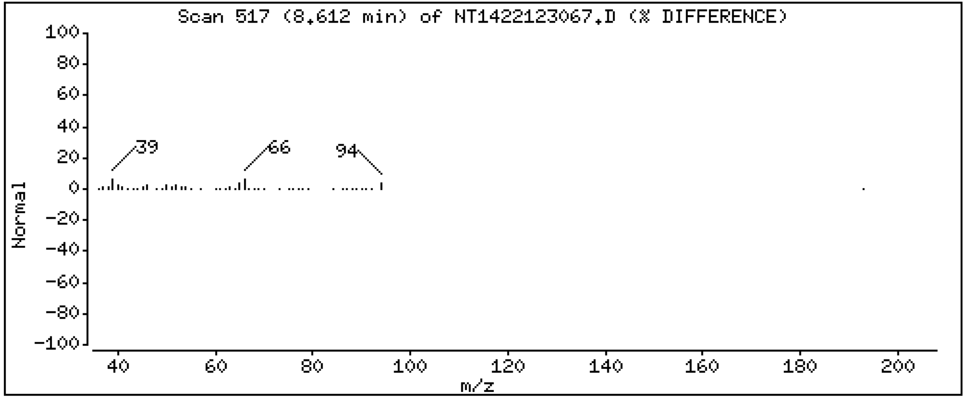


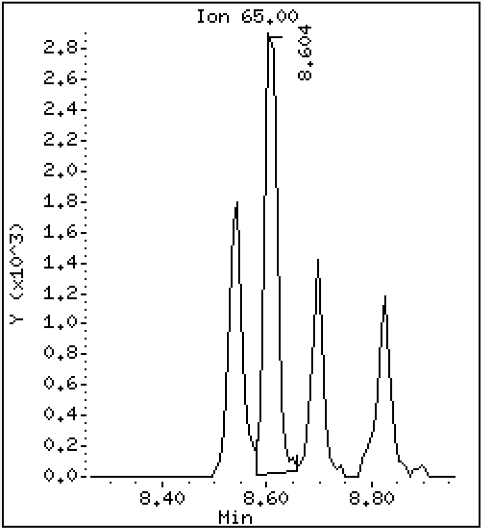












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Date : 01-JAN-2023 00:06

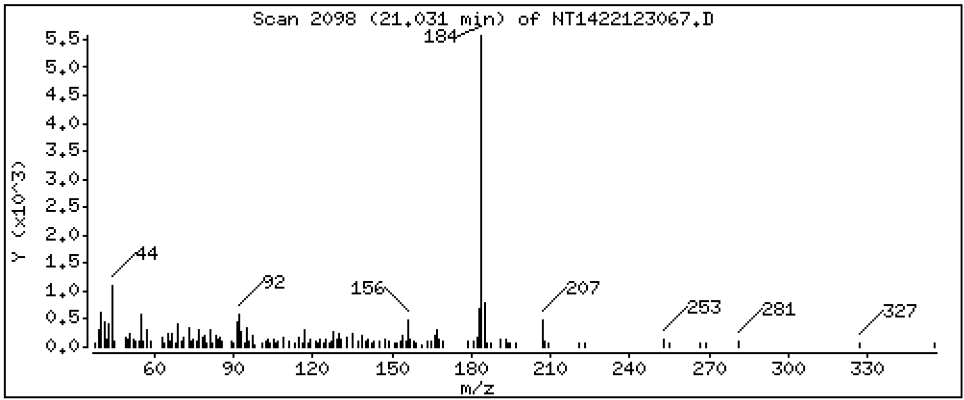
Client ID: Instrument: nt14.i

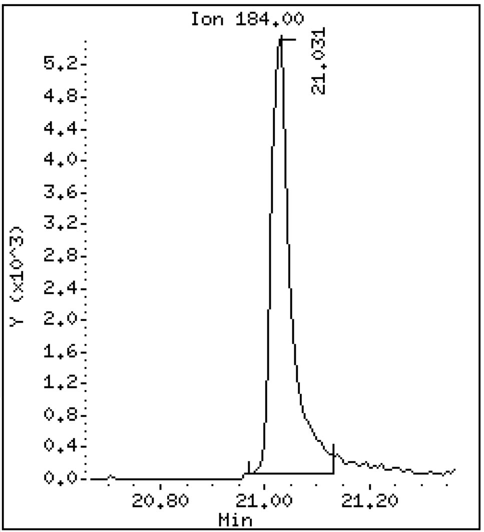
Sample Info: SKL0355-LCV3

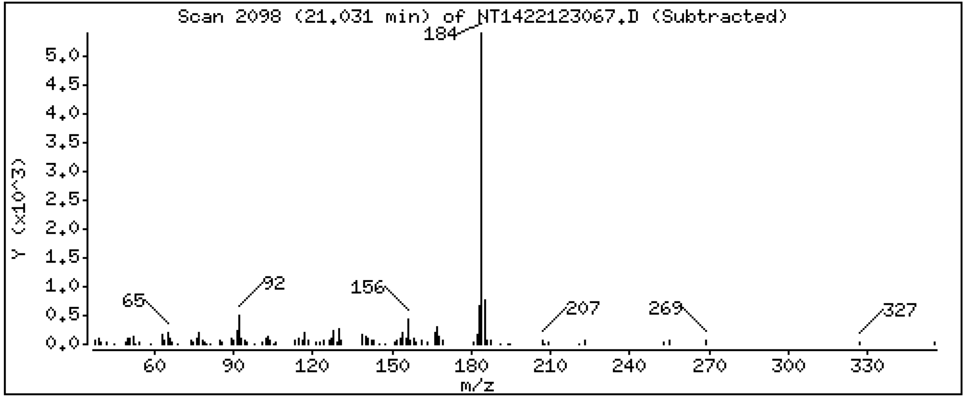
Operator: VTS

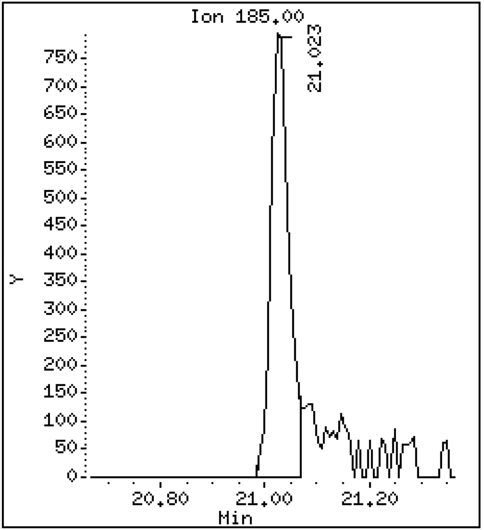
Column phase: ZB-5msi Column diameter: 0.25

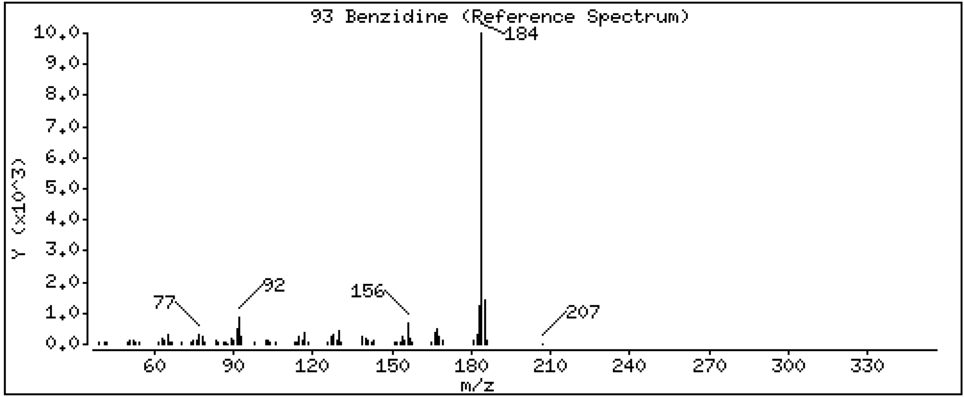
93 Benzidine Concentration: 0.4312 ug/mL

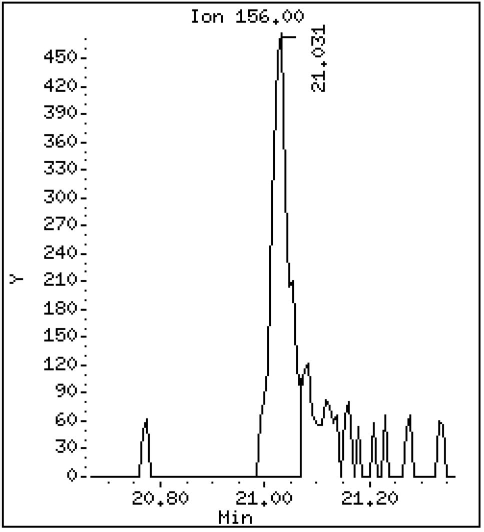


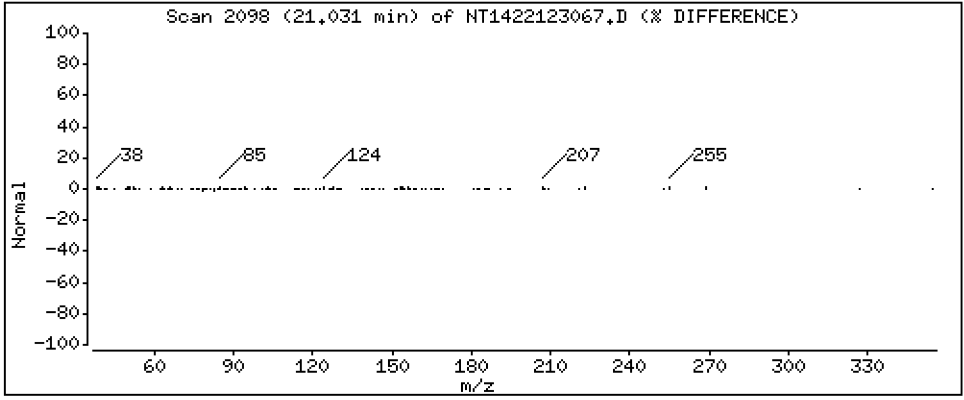












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Date : 01-JAN-2023 00:06

Client ID:

Instrument: nt14.i

Sample Info: SKL0355-LCV3

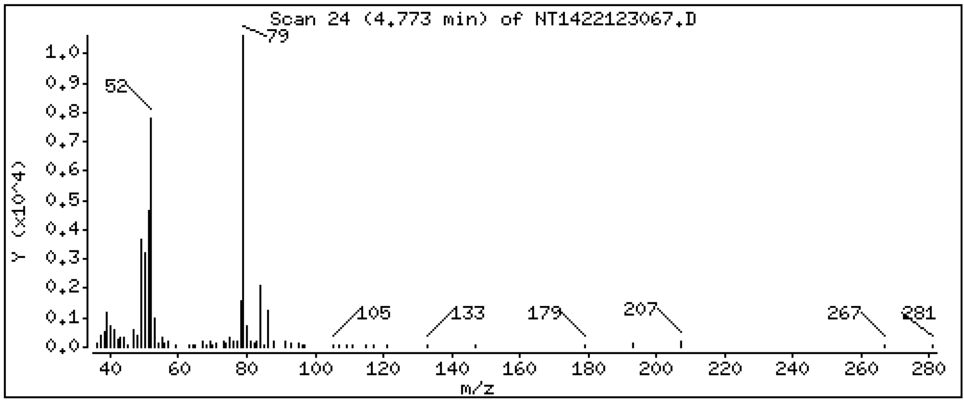
Operator: VTS

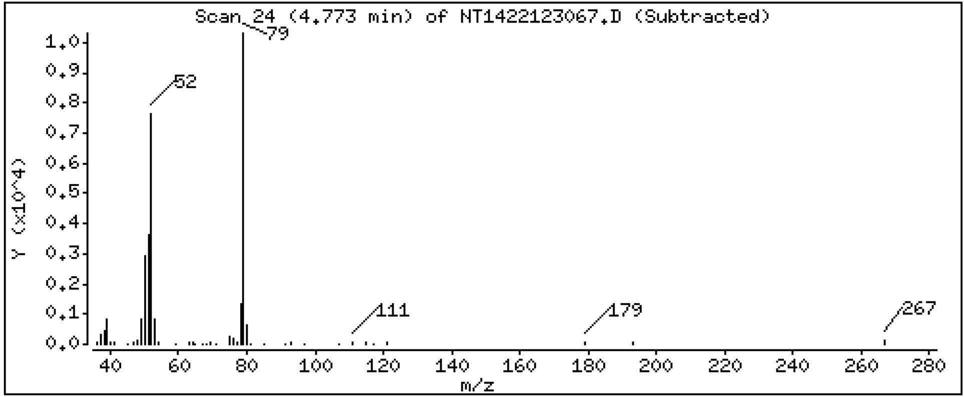
Column phase: ZB-5msi

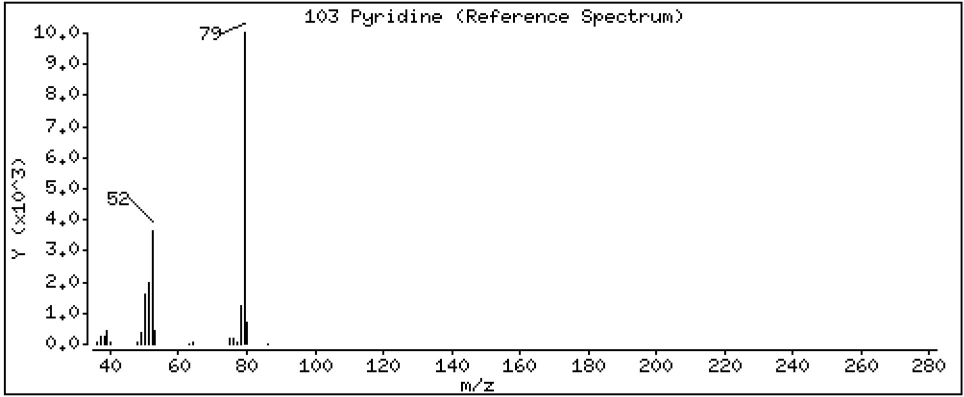
Column diameter: 0.25

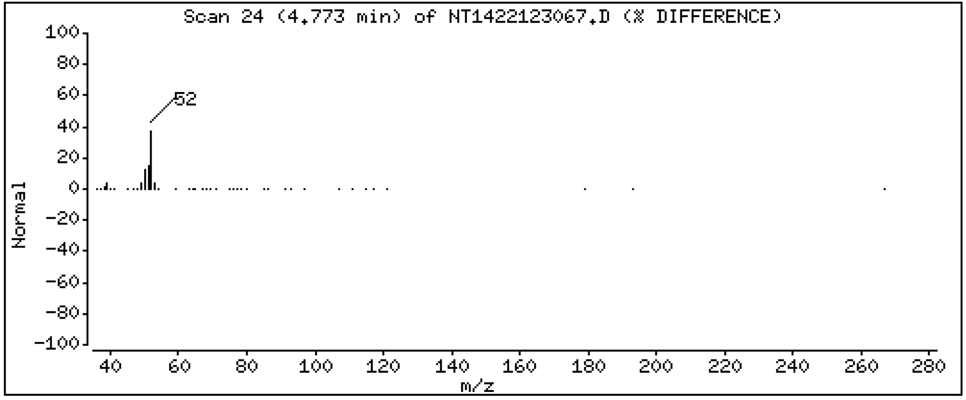
103 Pyridine

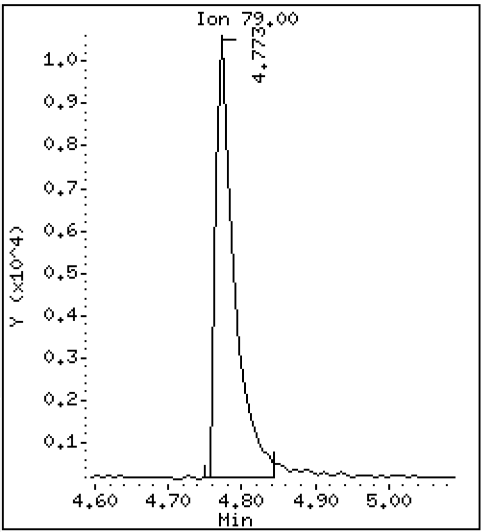
Concentration: 0.2348 ug/mL

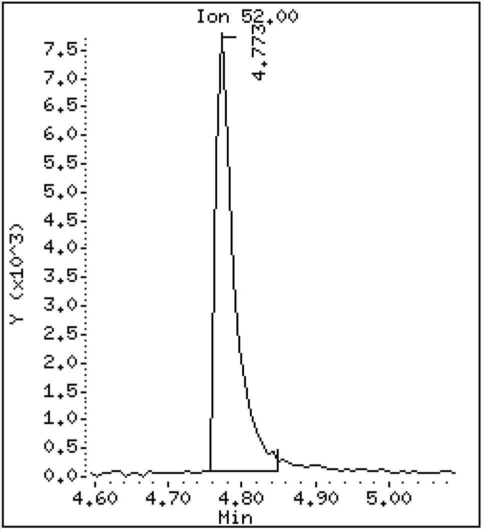












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Date : 01-JAN-2023 00:06

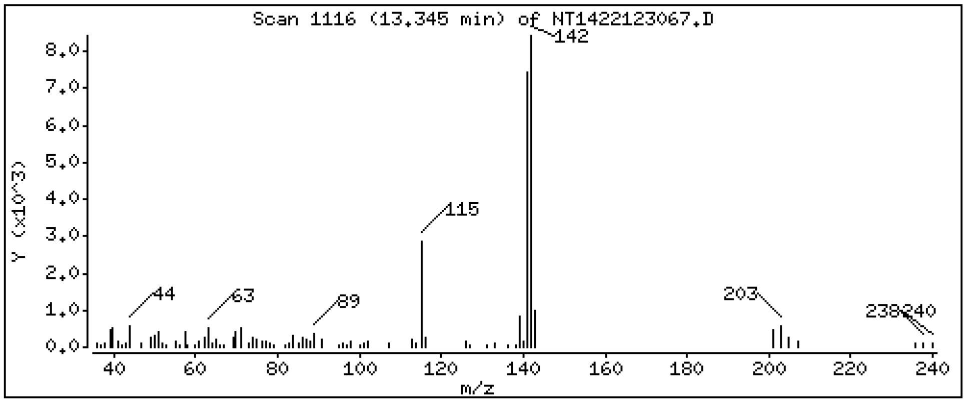
Client ID: Instrument: nt14.i

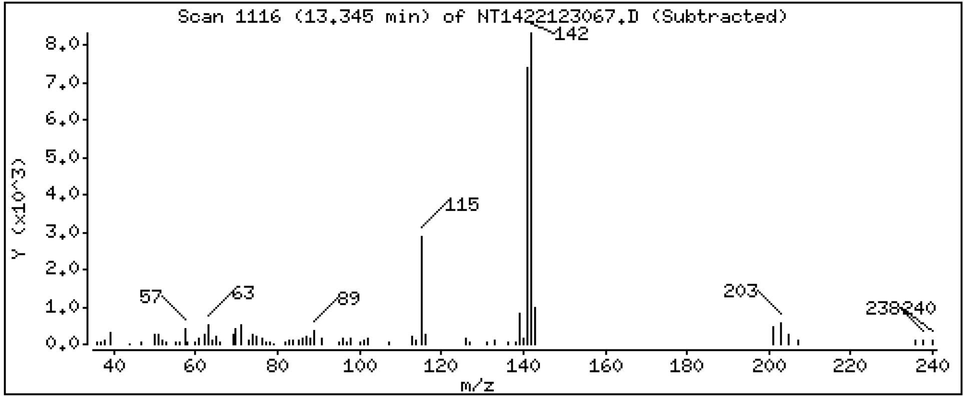
Sample Info: SKL0355-LCV3

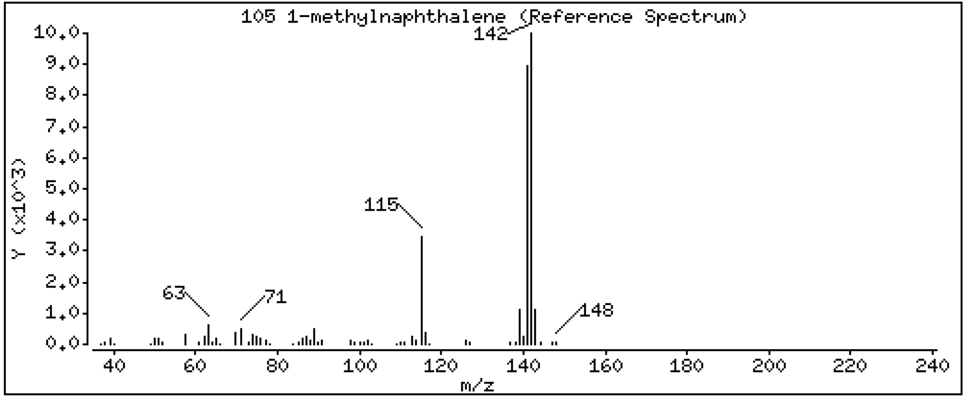
Operator: VTS

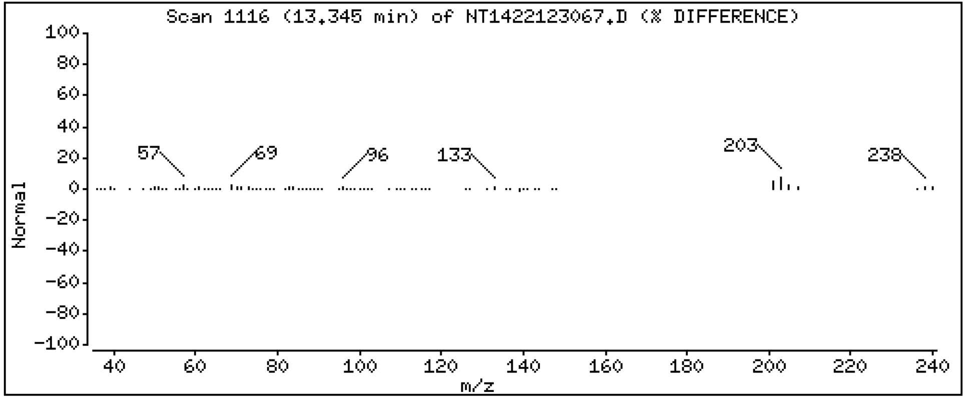
Column phase: ZB-5msi Column diameter: 0.25

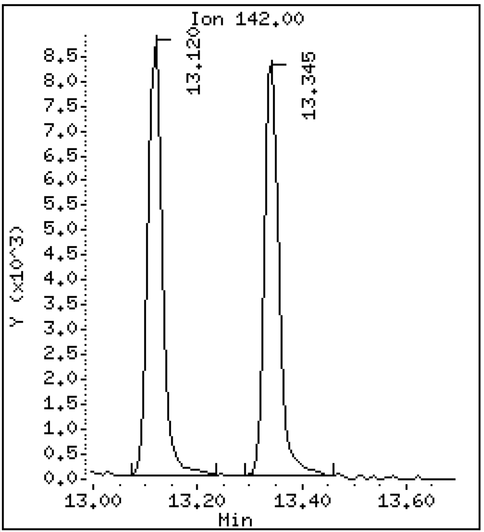
105 1-methylnaphthalene Concentration: 0.2273 ug/mL

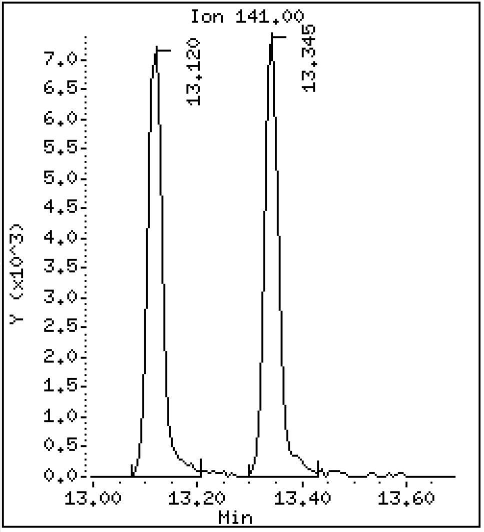












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Date : 01-JAN-2023 00:06

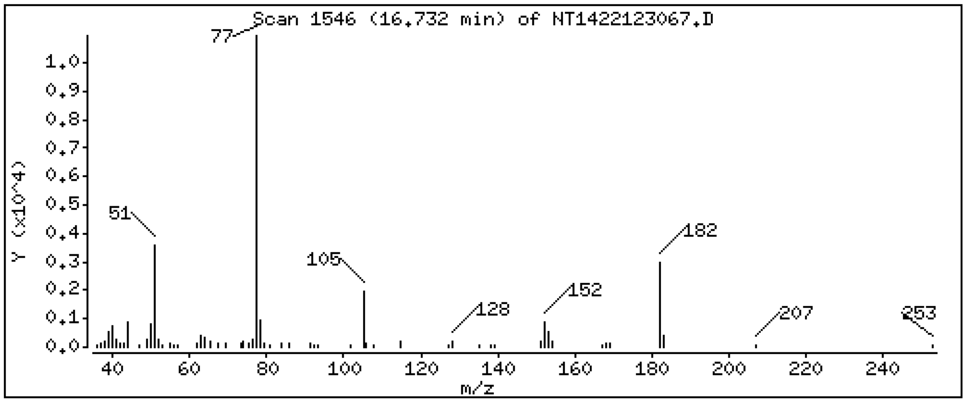
Client ID: Instrument: nt14.i

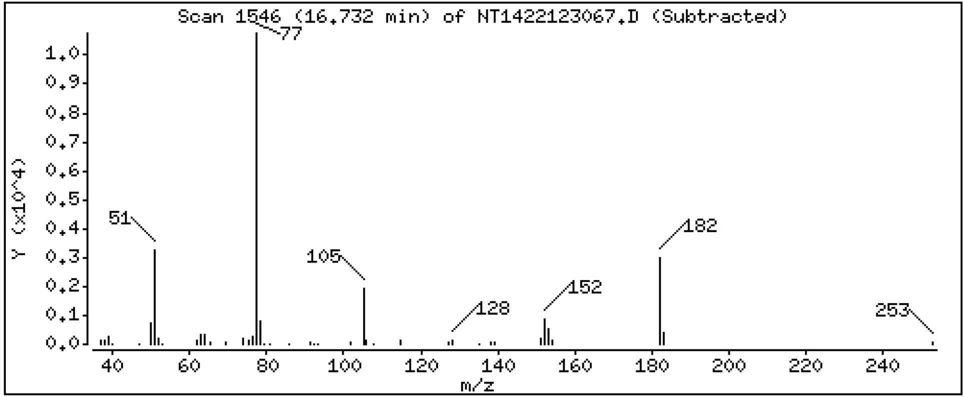
Sample Info: SKL0355-LCV3

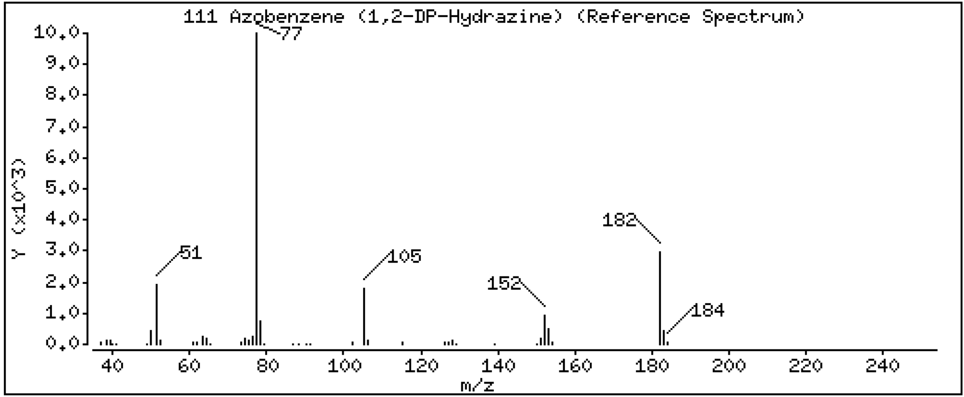
Operator: VTS

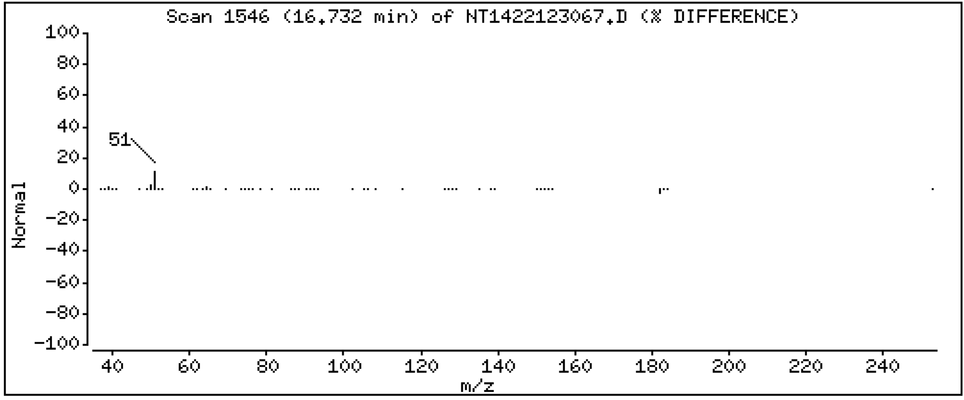
Column phase: ZB-5msi Column diameter: 0.25

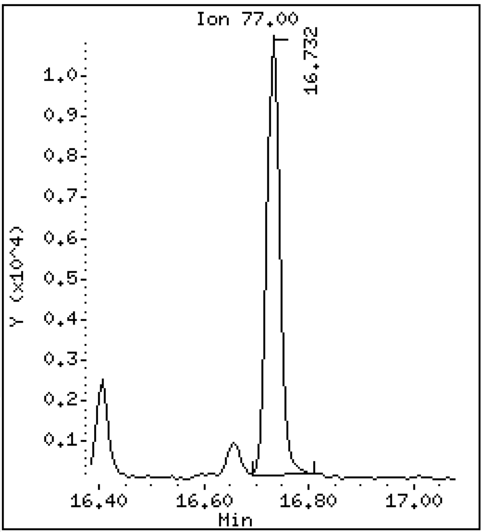
111 Azobenzene (1,2-DP-Hydrazine) Concentration: 0.2385 ug/mL

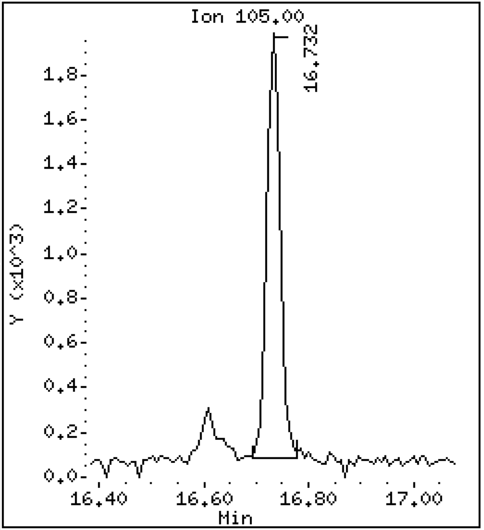


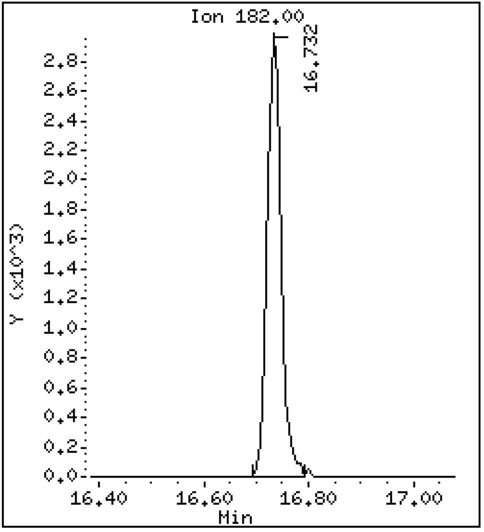












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Date : 01-JAN-2023 00:06

Client ID:

Instrument: nt14.i

Sample Info: SKL0355-LCV3

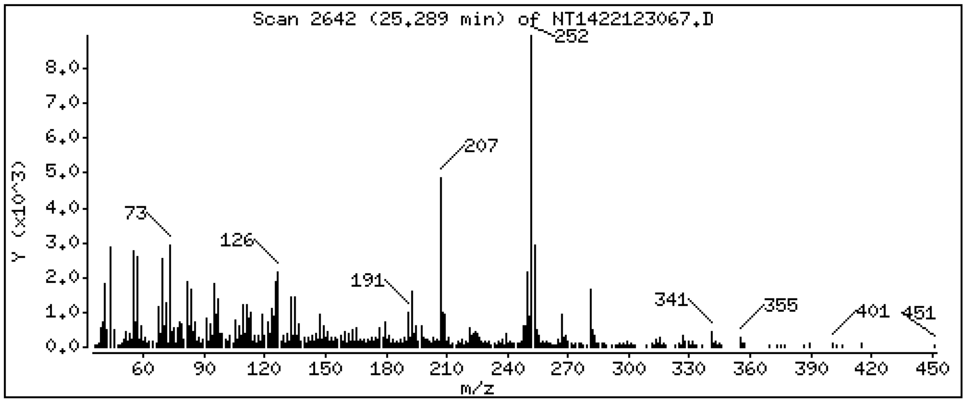
Operator: VTS

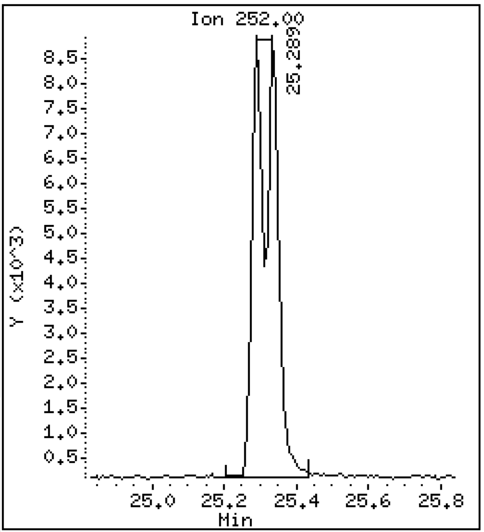
Column phase: ZB-5msi

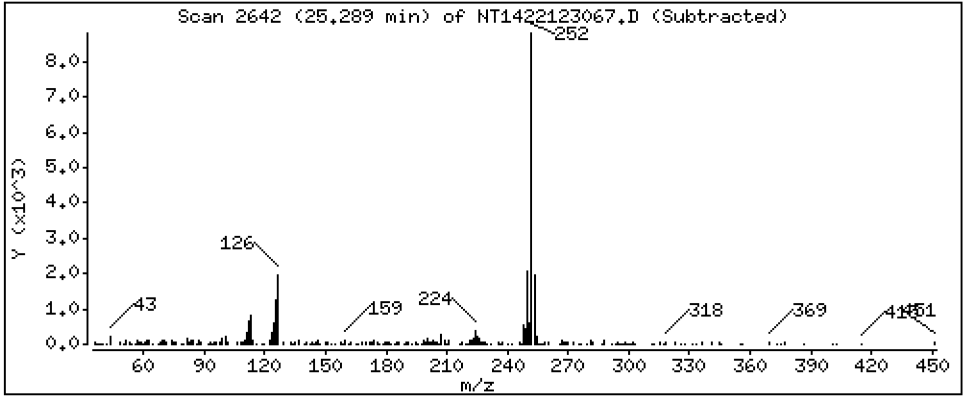
Column diameter: 0.25

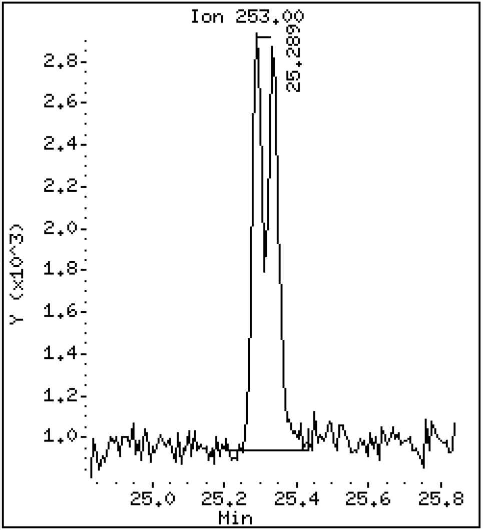
187 Total Benzofluoranthenes

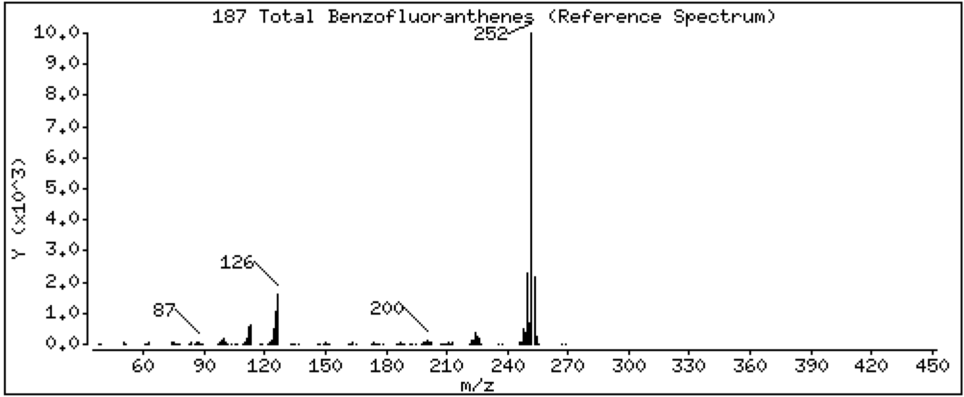
Concentration: 0.5264 ug/mL

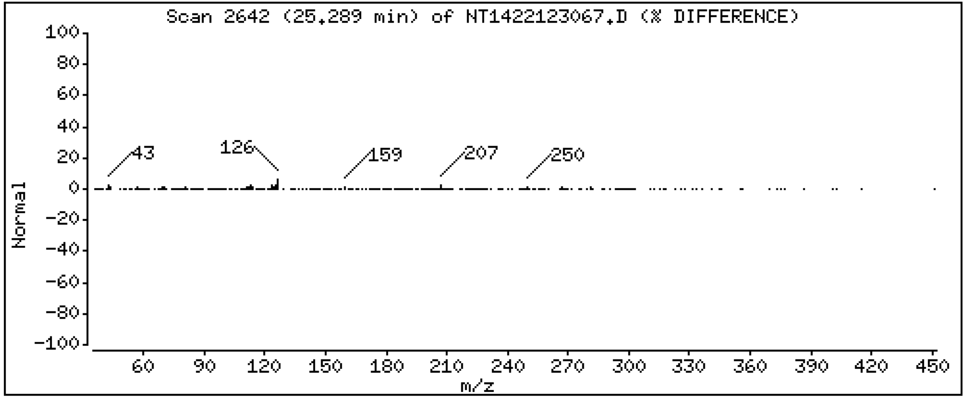


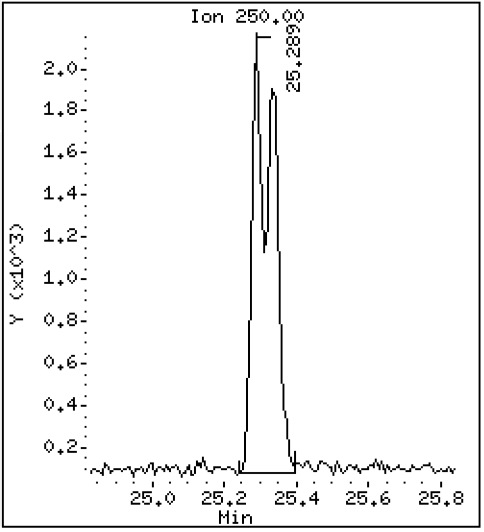












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Date : 01-JAN-2023 00:06

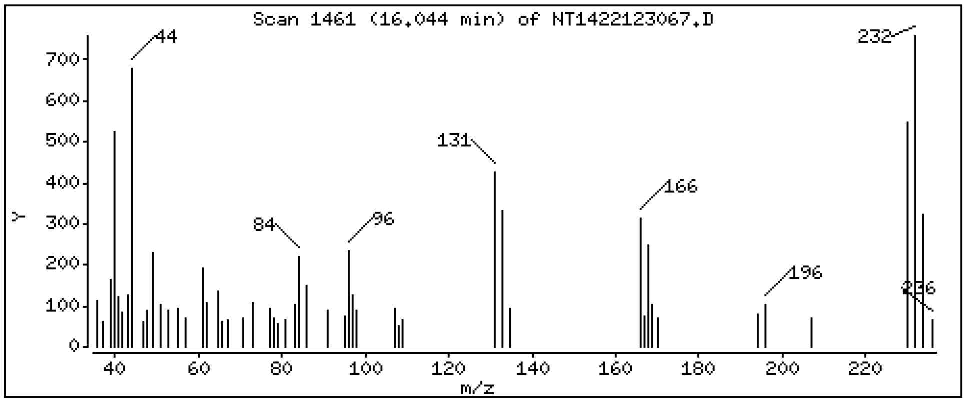
Client ID: Instrument: nt14.i

Sample Info: SKL0355-LCV3

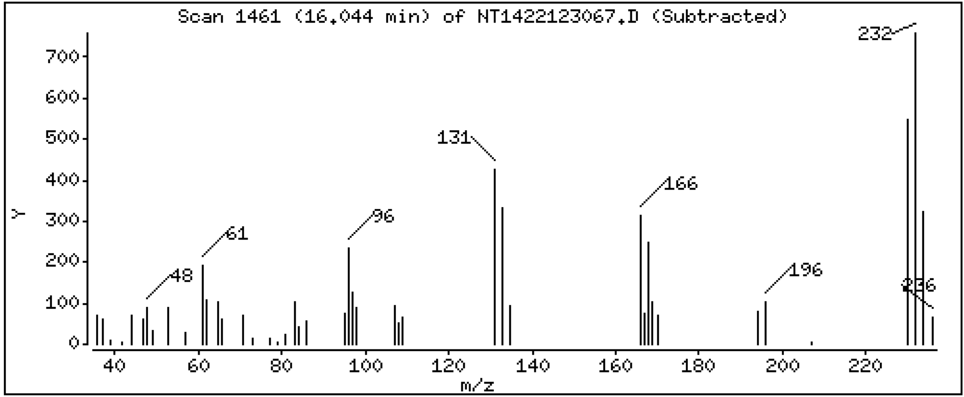
Operator: VTS

Column phase: ZB-5msi Column diameter: 0.25

120 2,3,4,6-Tetrachlorophenol Concentration: 0.1280 ug/mL



Scan 1461 (16.044 min) of NT1422123067.D



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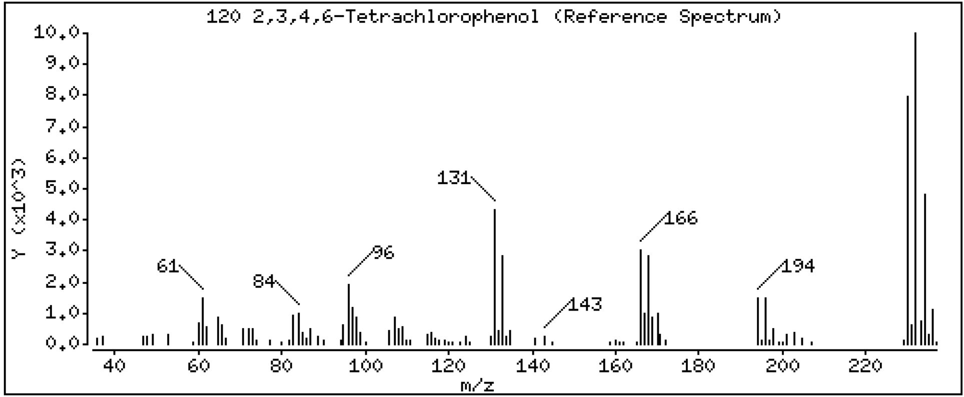
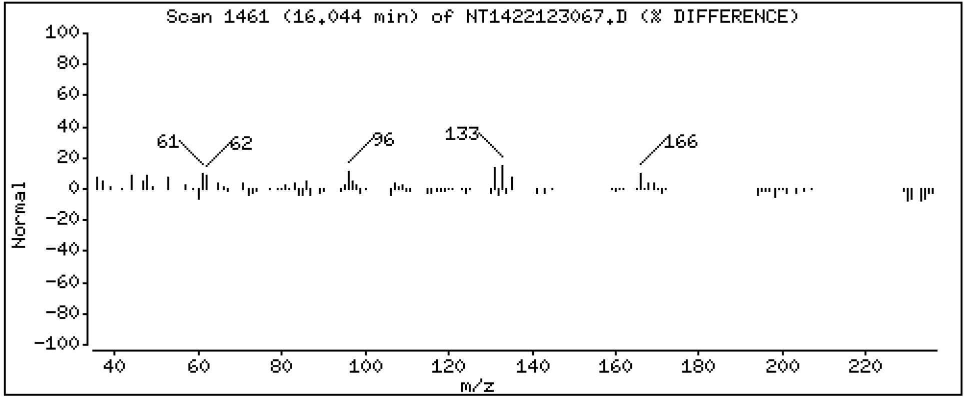


120 2,3,4,6-Tetrachlorophenol (Reference Spectrum)



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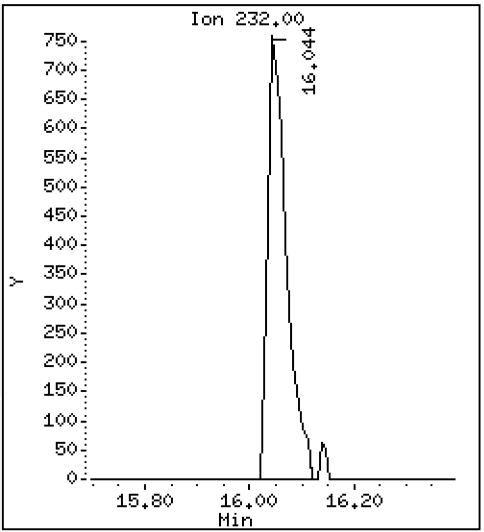

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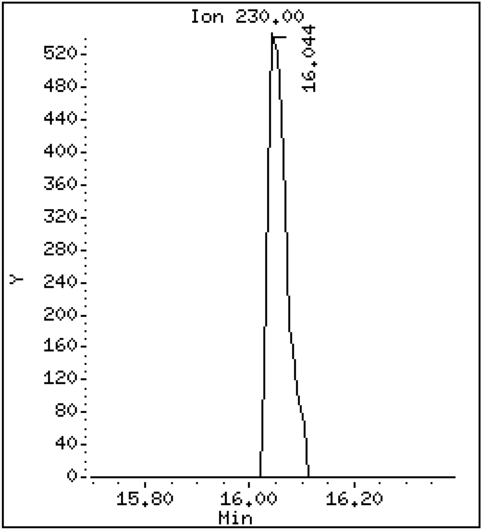

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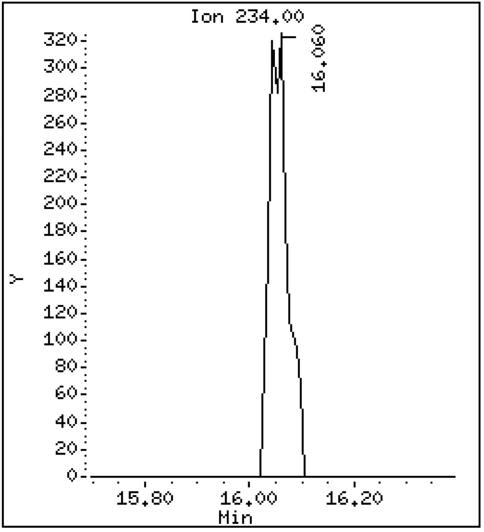

Ion 234.00

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                               ARI Labs, Inc.

                    Semivolatile Report SW846 Method 8270D
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Lab Smp Id: SKL0355-LCV3
Inj Date  : 01-JAN-2023 00:06          MS Autotune Date: 17-MAY-2011 01:22
Operator  : VTS                        Inst ID: nt14.i
Smp Info  : SKL0355-LCV3
Misc Info :
Comment   : 1ul Injection
Method    : \\target\share\chem3\nt14.i\20221230C.b\ABN.m
Meth Date : 04-Jan-2023 09:32 van      Quant Type: ISTD
Cal Date  : 30-DEC-2022 11:07          Cal File: NT1422123007.D
Als bottle: 4
Dil Factor: 1.00000
Integrator: HP RTE                     Compound Sublist: ICAL.sub
Target Version:  4.14
Processing Host: VANS-201906


                                                                                     CONCENTRATIONS
                                     QUANT SIG                                    ON-COLUMN     FINAL
Compounds                              MASS          RT   EXP RT   REL RT  RESPONSE    (ug/mL)     (ug/mL)
==========================             ====        ==== ======== ======== ========    =======     =======
$   1 2-Fluorophenol                    112       6.919    6.919 (0.755)     12469    0.35660      0.3566
$   2 Phenol-d5                          99       8.519    8.519 (0.930)     13476    0.31186      0.3119
    3 Phenol                             94       8.542    8.542 (0.932)     11161    0.22731      0.2273
$   5 2-Chlorophenol-d4                 132       8.797    8.797 (0.960)     12221    0.33675      0.3367
    4 Bis(2-Chloroethyl)ether            93       8.696    8.696 (0.949)      8093    0.23927      0.2393
    6 2-Chlorophenol                    128       8.827    8.827 (0.964)      9811    0.24616      0.2462
    7 1,3-Dichlorobenzene               146       9.098    9.098 (0.993)     10440    0.24702      0.2470
*   8 1,4-Dichlorobenzene-d4            152       9.160    9.160 (1.000)    109143    4.00000
    9 1,4-Dichlorobenzene               146       9.191    9.191 (1.003)     10018    0.25020      0.2502
$  10 1,2-Dichlorobenzene-d4            152       9.525    9.525 (1.040)      5962    0.24036      0.2404
   12 1,2-Dichlorobenzene               146       9.556    9.556 (1.043)      9504    0.24203      0.2420
   11 Benzyl alcohol                    108       9.440    9.440 (1.030)      3613    0.16529      0.1653(M)
   14 2,2'-oxybis(1-Chloropropane)      121       9.735    9.735 (1.063)      2767    0.24305      0.2430
   13 2-Methylphenol                    108       9.665    9.665 (1.055)      7875    0.22072      0.2207
   17 Hexachloroethane                  117      10.154   10.154 (1.108)      2915    0.19795      0.1979
   16 N-Nitroso-di-n-propylamine         70       9.991    9.998 (1.091)      5112    0.23520      0.2352
   15 4-Methylphenol                    108       9.936    9.936 (1.085)      7826    0.20792      0.2079
$  18 Nitrobenzene-d5                    82      10.262   10.262 (0.880)      7594    0.22651      0.2265
   19 Nitrobenzene                       77      10.293   10.301 (0.882)      7425    0.22300      0.2230
   20 Isophorone                         82      10.743   10.751 (0.921)      8370    0.19724      0.1972
   21 2-Nitrophenol                     139      10.937   10.937 (0.938)      4304    0.21163      0.2116
   22 2,4-Dimethylphenol                107      10.992   10.992 (0.942)     15950    0.45898      0.4590
   23 Bis(2-Chloroethoxy)methane         93      11.186   11.186 (0.959)      7789    0.23594      0.2359
   24 Benzoic acid                      105      11.131   11.209 (0.954)      4437    0.20974      0.2097(M)
   25 2,4-Dichlorophenol                162      11.403   11.395 (0.977)     12011    0.41003      0.4100
   26 1,2,4-Trichlorobenzene            180      11.581   11.581 (0.993)      7605    0.24010      0.2401
*  27 Naphthalene-d8                    136      11.666   11.673 (1.000)    397029    4.00000
   28 Naphthalene                       128      11.712   11.712 (1.004)     23009    0.23549      0.2355
   29 4-Chloroaniline                   127      11.835   11.835 (1.015)     16324    0.40512      0.4051
   30 Hexachlorobutadiene               225      12.075   12.075 (1.035)      3740    0.23799      0.2380
   31 4-Chloro-3-methylphenol           107      12.826   12.810 (1.099)     11960    0.43265      0.4327
   32 2-Methylnaphthalene               142      13.120   13.120 (1.125)     16268    0.22698      0.2270
   33 Hexachlorocyclopentadiene         237      13.584   13.584 (0.887)       624    0.04042     0.04042
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Data File: \\target\share\chem3\nt14.i\20221230C.b\NT1422123067.D Page 2
Report Date: 04-Jan-2023 14:23


                                                                                           CONCENTRATIONS
                                      QUANT SIG                                          ON-COLUMN    FINAL
Compounds                               MASS        RT    EXP RT   REL RT  RESPONSE     (ug/mL)    (ug/mL)
==========================              ====       ==== ======== ======== ========     =======    =======
   34 2,4,6-Trichlorophenol              196      13.754  13.739 (0.898)      5867     0.34421     0.3442
   35 2,4,5-Trichlorophenol              196      13.839  13.816 (0.904)      7090     0.36041     0.3604
$  36 2-Fluorobiphenyl                   172      13.901  13.901 (0.908)     15298     0.22280     0.2228
   37 2-Chloronaphthalene                162      14.118  14.118 (0.922)     13703     0.23460     0.2346
   38 2-Nitroaniline                      65      14.381  14.373 (0.939)      6597     0.42959     0.4296
   39 Dimethylphthalate                  163      14.799  14.799 (0.967)     12311     0.21377     0.2138
   40 Acenaphthylene                     152      14.993  14.993 (0.979)     20407     0.22913     0.2291
   41 2,6-Dinitrotoluene                 165      14.946  14.938 (0.976)      4965     0.38201     0.3820
*  42 Acenaphthene-d10                   164      15.310  15.310 (1.000)    204214     4.00000
   43 3-Nitroaniline                     138      15.240  15.225 (0.995)      5629     0.35634     0.3563
   44 Acenaphthene                       153      15.372  15.371 (1.004)     13024     0.23577     0.2358
   45 2,4-Dinitrophenol                   184         Compound Not Detected.
   46 Dibenzofuran                       168      15.704  15.704 (1.026)     19925     0.24053     0.2405
   47 4-Nitrophenol                      109      15.665  15.557 (1.023)      2026     0.26799     0.2680(M)
   48 2,4-Dinitrotoluene                 165      15.758  15.750 (1.029)      6043     0.33888     0.3389
   50 Diethylphthalate                   149      16.260  16.268 (1.062)     20315     0.25952     0.2595
   49 Fluorene                           166      16.423  16.423 (1.073)     20566     0.23337     0.2334
   51 4-Chlorophenyl-phenylether         204      16.407  16.407 (1.072)      9124     0.21148     0.2115
   52 4-Nitroaniline                     138      16.531  16.500 (1.080)      7107     0.37385     0.3738(M)
   53 4,6-Dinitro-2-methylphenol         198      16.608  16.600 (0.905)      1281     0.09261    0.09261
   54 N-Nitrosodiphenylamine             169      16.654  16.654 (0.907)     14191     0.25087     0.2509
$  55 2,4,6-Tribromophenol               330      16.955  16.955 (1.107)      2149     0.22461     0.2246
   56 4-Bromophenyl-phenylether          248      17.417  17.410 (0.949)      4781     0.22320     0.2232
   57 Hexachlorobenzene                  284      17.734  17.734 (0.966)      5567     0.23683     0.2368
   58 Pentachlorophenol                  266      18.106  18.090 (0.986)       206     0.02024    0.02024(M)
*  59 Phenanthrene-d10                   188      18.361  18.361 (1.000)    329657     4.00000
   60 Phenanthrene                       178      18.408  18.408 (1.003)     20593     0.23959     0.2396
   61 Anthracene                         178      18.500  18.500 (1.008)     19055     0.23223     0.2322
   62 Carbazole                          167      18.841  18.825 (1.026)     18308     0.23080     0.2308
   63 Di-n-butylphthalate                149      19.615  19.614 (1.068)     20354     0.22726     0.2273
   64 Fluoranthene                       202      20.791  20.791 (0.889)     20667     0.23809     0.2381
   65 Pyrene                             202      21.216  21.216 (0.907)     21300     0.23339     0.2334
$  66 Terphenyl-d14                      244      21.495  21.495 (0.919)     14382     0.22224     0.2222
   67 Butylbenzylphthalate               149      22.408  22.408 (0.958)      9292     0.26989     0.2699
   68 Benzo(a)anthracene                 228      23.368  23.376 (0.999)     21552     0.26391     0.2639
*  69 Chrysene-d12                       240      23.399  23.399 (1.000)    269585     4.00000
   70 3,3'-Dichlorobenzidine             252      23.322  23.322 (0.997)     20482     0.81929     0.8193
   71 Chrysene                           228      23.446  23.446 (1.002)     18735     0.24287     0.2429
   72 bis(2-Ethylhexyl)phthalate         149      23.430  23.430 (0.959)     13030     0.26109     0.2611
* 134 Di-n-octylphthalate-d4             153      24.421  24.421 (1.000)    449369     4.00000
   73 Di-n-octylphthalate                149      24.429  24.429 (1.000)     26527     0.24592     0.2459
   74 Benzo(b)fluoranthene               252      25.288  25.296 (0.969)     17280     0.24137     0.2414
   75 Benzo(k)fluoranthene               252      25.335  25.335 (0.971)     20473     0.28097     0.2810
   76 Benzo(a)pyrene                     252      25.970  25.970 (0.996)     15021     0.25240     0.2524
*  77 Perylene-d12                       264      26.086  26.086 (1.000)    227797     4.00000
   78 Indeno(1,2,3-cd)pyrene             276      28.861  28.838 (1.106)     10107     0.14940     0.1494
   79 Dibenzo(a,h)anthracene             278      28.877  28.853 (1.107)      8673     0.15086     0.1509
   80 Benzo(g,h,i)perylene               276      29.677  29.653 (1.138)      5996     0.10580     0.1058
   90 N-Nitrosodimethylamine              74       4.718   4.718 (0.515)     11868     0.49283     0.4928
   91 Aniline                             93       8.611   8.611 (0.940)     23141     0.48403     0.4840
   93 Benzidine                          184      21.030  21.015 (0.899)     14240     0.43116     0.4312
  103 Pyridine                            79       4.772   4.741 (0.521)     17969     0.23482     0.2348
  105 1-methylnaphthalene                142      13.344  13.344 (1.144)     15653     0.22730     0.2273
  111 Azobenzene (1,2-DP-Hydrazine)       77      16.731  16.731 (1.093)     18088     0.23851     0.2385
```

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                                                                                          CONCENTRATIONS
                                     QUANT SIG                                          ON-COLUMN    FINAL
Compounds                              MASS          RT    EXP RT   REL RT  RESPONSE     (ug/mL)    (ug/mL)
==========================             ====         ==== ======== ======== ========     =======    =======
  187 Total Benzofluoranthenes          252        25.288  25.335 (0.969)     36432     0.52638     0.5264
  120 2,3,4,6-Tetrachlorophenol         232        16.044  16.044 (1.048)      1840     0.12799     0.1280
```

QC Flag Legend

M - Compound response manually integrated.

Data File: \\target\share\chem3\nt14.i\20221230C.b\NT1422123067.D Page 1
Report Date: 04-Jan-2023 14:23

ARI Labs, Inc.

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: nt14.i
Lab File ID: NT1422123067.D
Lab Smp Id: SKL0355-LCV3
Analysis Type: SV
Quant Type: ISTD
Operator: VTS
Method File: \\target\share\chem3\nt14.i\20221230C.b\ABN.m
Misc Info:

Calibration Date: 31-DEC-2022
Calibration Time: 23:30
Level:
Sample Type:

Test Mode:
Use Last Continuing Calibrator.

		AREA LIMIT			
COMPOUND	STANDARD	LOWER	UPPER	SAMPLE	%DIFF
8 1,4-Dichlorobenze	138755	69378	277510	109143	-21.34
27 Naphthalene-d8	501723	250862	1003446	397029	-20.87
42 Acenaphthene-d10	275234	137617	550468	204214	-25.80
59 Phenanthrene-d10	440085	220043	880170	329657	-25.09
69 Chrysene-d12	384795	192398	769590	269585	-29.94
134 Di-n-octylphthala	674530	337265	1349060	449369	-33.38
77 Perylene-d12	336665	168333	673330	227797	-32.34

		RT LIMIT			
COMPOUND	STANDARD	LOWER	UPPER	SAMPLE	%DIFF
8 1,4-Dichlorobenze	9.16	8.66	9.66	9.16	0.00
27 Naphthalene-d8	11.67	11.17	12.17	11.67	-0.07
42 Acenaphthene-d10	15.31	14.81	15.81	15.31	0.00
59 Phenanthrene-d10	18.36	17.86	18.86	18.36	0.00
69 Chrysene-d12	23.40	22.90	23.90	23.40	0.00
134 Di-n-octylphthala	24.42	23.92	24.92	24.42	0.00
77 Perylene-d12	26.09	25.59	26.59	26.09	0.00

AREA UPPER LIMIT = +100% of internal standard area.
AREA LOWER LIMIT = - 50% of internal standard area.
RT UPPER LIMIT = + 0.50 minutes of internal standard RT.
RT LOWER LIMIT = - 0.50 minutes of internal standard RT.

```
REVIEW SUMMARY FOR FILE - NT1422123067.D

Lab ID: SKL0355-LCV3
nt14.i,  20221230C.b\ABN.m,    01-JAN-2023 00:06


     RT      CO-ELUTION COMPOUNDS
---------------------------------------------------------------------------

            NO CO-ELUTIONS



Quant Method: ICAL




        RRT CHECK

   RRT    CCV RRT   DELTA    COMPOUND
 -------------------------------------

  0.954    0.960   -0.0060   Benzoic acid
  1.023    1.016    0.0071   4-Nitrophenol

  RRT check based on Ccal File: NT1422123066.D


 On Column LOD for nt14.i, 20221230C.b\ABN.m, ICAL.sub = 0.0000

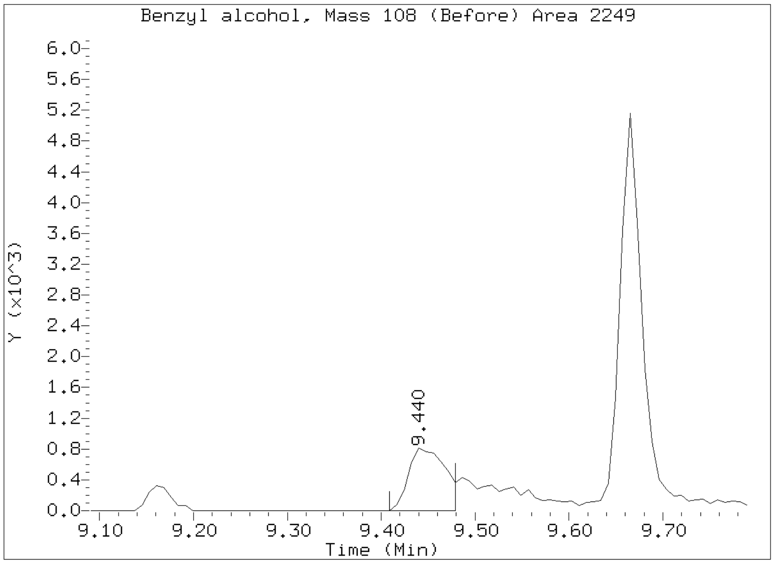


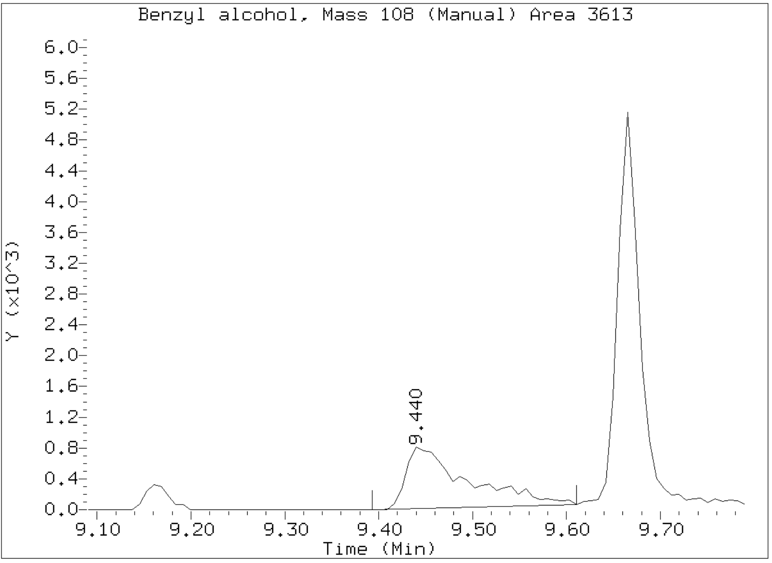
 * Only compounds listed in the work order have been verified by the analyst *
```

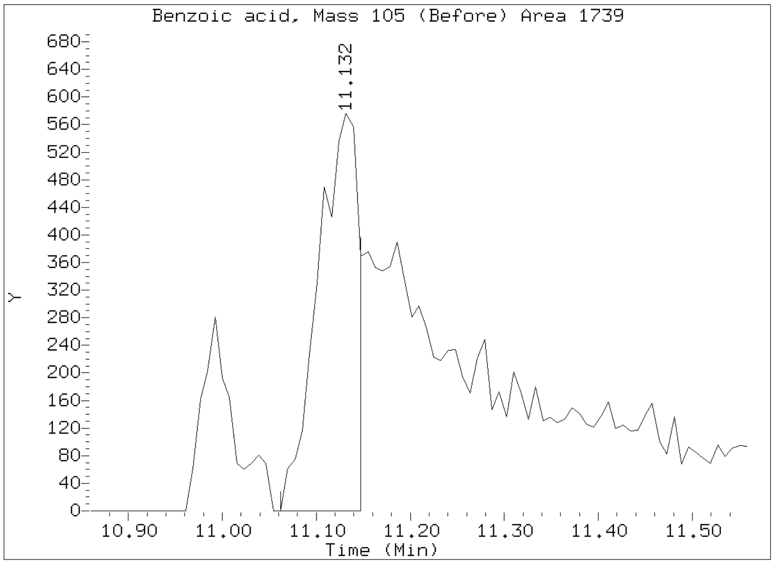
Quant Ion Manual Peak Adjustment Report

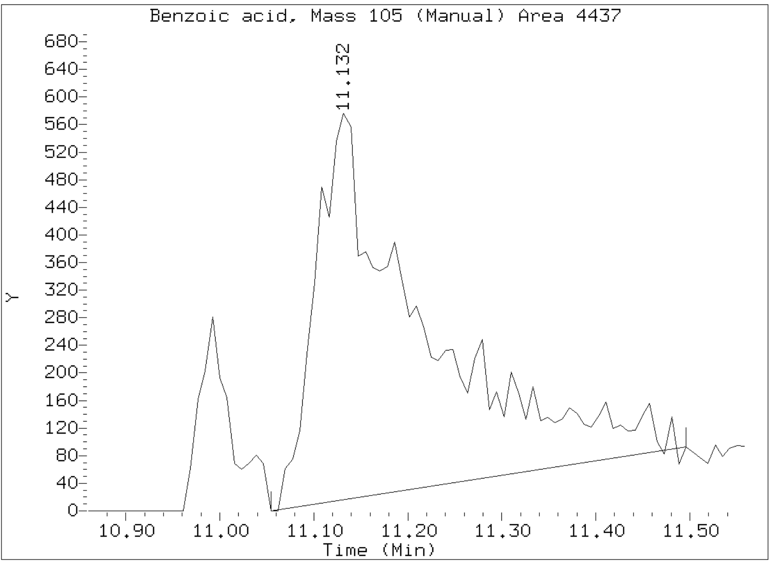
Datafile: //target/share/chem3/nt14.i/20221230C.b/NT1422123067.D
Injection Date: 01-JAN-2023 00:06
Lab ID:SKL0355-LCV3 Client ID:
Report Date: 01/04/2023 14:23

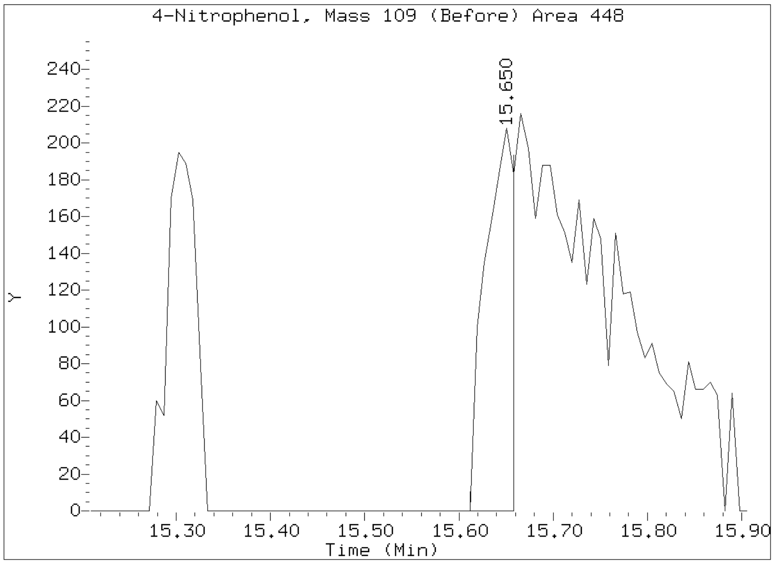
REVIEWED
By Brian Bebee
01/07/2023 @ 06:32 PM

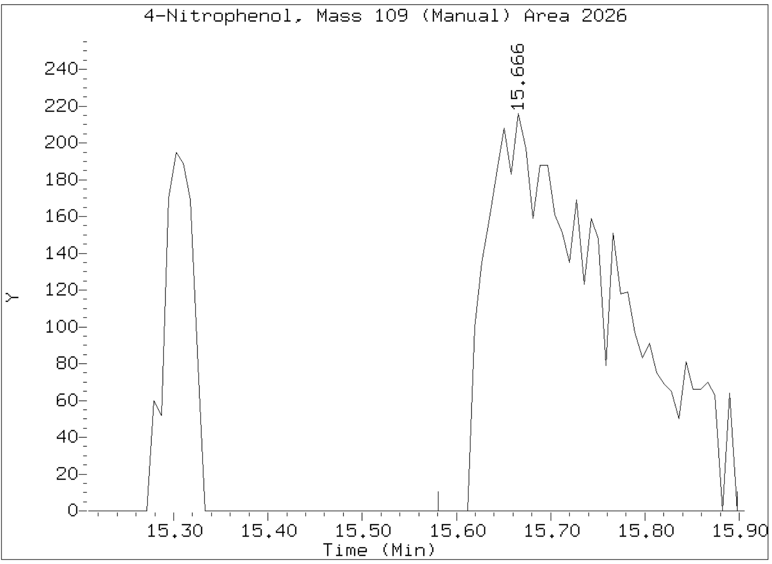

Benzyl alcohol, Mass 108 (Before) Area 2249


Benzyl alcohol, Mass 108 (Manual) Area 3613


Benzoic acid, Mass 105 (Before) Area 1739


Benzoic acid, Mass 105 (Manual) Area 4437


4-Nitrophenol, Mass 109 (Before) Area 448


4-Nitrophenol, Mass 109 (Manual) Area 2026

Quant Ion Manual Peak Adjustment Report

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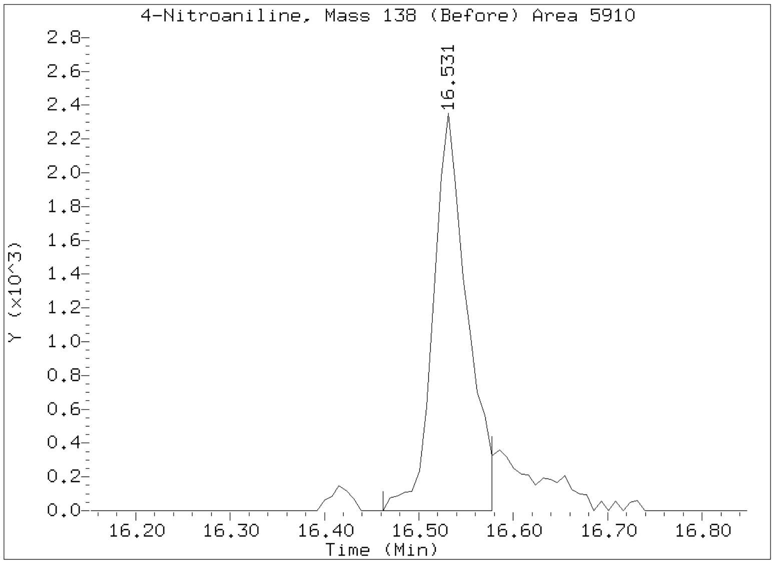
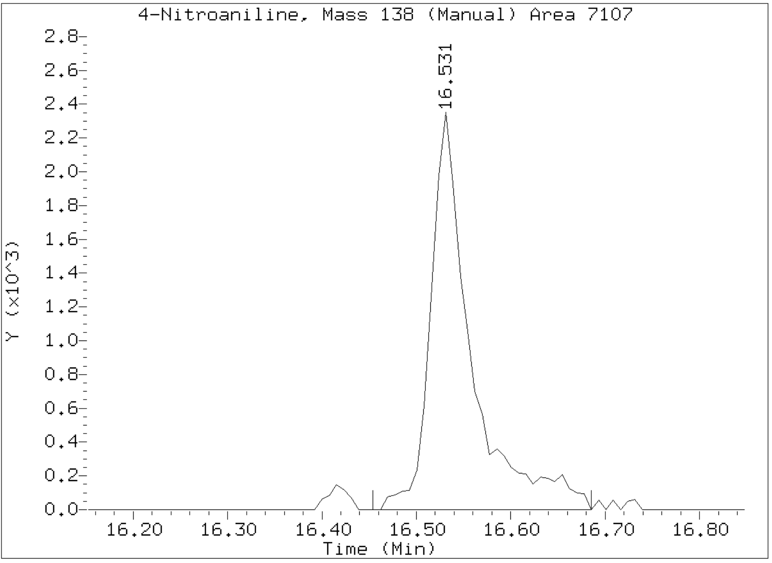
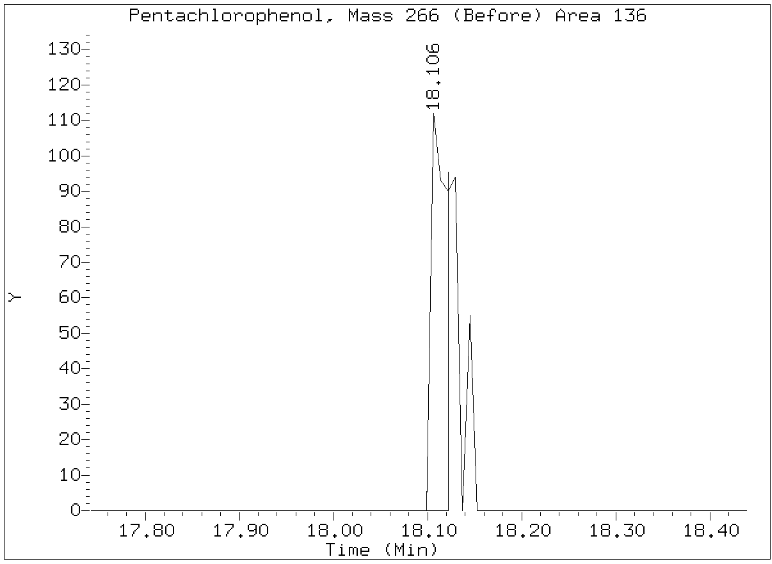
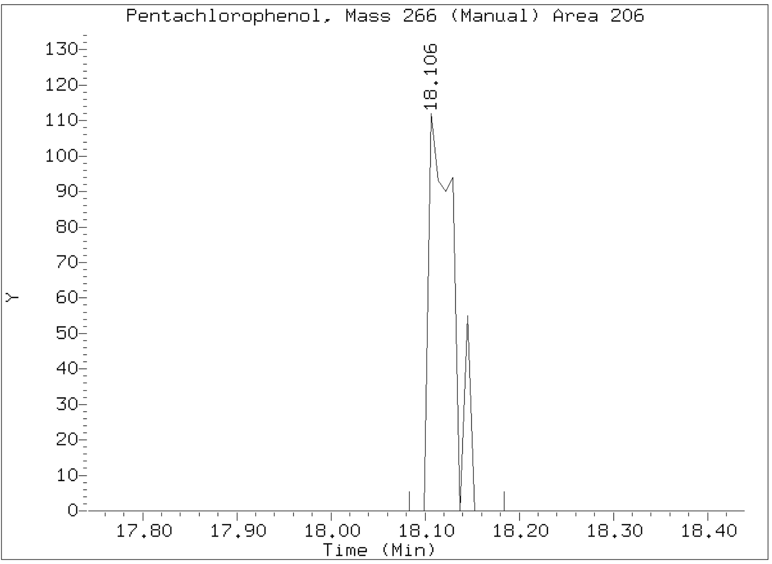
Injection Date: 01-JAN-2023 00:06
Lab ID:SKL0355-LCV3 Client ID:
Report Date: 01/04/2023 14:23

REVIEWED
By Brian Bebee
01/07/2023 @ 06:32 PM


4-Nitroaniline, Mass 138 (Before) Area 5910


4-Nitroaniline, Mass 138 (Manual) Area 7107


Pentachlorophenol, Mass 266 (Before) Area 136


Pentachlorophenol, Mass 266 (Manual) Area 206

LOW-CONCENTRATION
CONTINUING CALIBRATION CHECK
EPA 8270E

Laboratory: Analytical Resources, LLC
Client: Anchor QEA, LLC
Instrument ID: NT14
Lab File ID: NT1422123068.D
Sequence: SKL0355
Lab Sample ID: SKL0355-LCV4
Sequence Name: ABN 0.5

SDG: 22L0307
Project: AOC4 UR Phase 3
Calibration: FL00066
Calibration Date: 12/30/2022
Injection Date: 01/01/23
Injection Time: 00:42

		CONC. (ug/mL)		RESPONSE FACTOR (RRF)			% DRIFT/DIFF	
COMPOUND	TYPE	STD	CCV	ICAL	CCV	MIN	CCV	LIMIT
Phenol	A	0.50000	0.5	1.7995200	1.7483010		-2.8	+/-50
bis(2-chloroethyl) ether	A	0.50000	0.5	1.2396270	1.1939320		-3.7	+/-50
2-Chlorophenol	A	0.50000	0.5	1.4607190	1.5084730		3.3	+/-50
1,3-Dichlorobenzene	A	0.50000	0.5	1.5489360	1.5429450		-0.4	+/-50
1,4-Dichlorobenzene	A	0.50000	0.5	1.4674070	1.4875080		1.4	+/-50
1,2-Dichlorobenzene	A	0.50000	0.5	1.4391100	1.4279910		-0.8	+/-50
Benzyl Alcohol	A	0.50000	0.4	0.8011083	0.6198655		-22.6	+/-50
2,2'-Oxybis(1-chloropropane)	A	0.50000	0.5	0.4172325	0.3945302		-5.4	+/-50
2-Methylphenol	A	0.50000	0.5	1.3076140	1.2737810		-2.6	+/-50
Hexachloroethane	A	0.50000	0.4	0.5396966	0.4453238		-17.5	+/-50
N-Nitroso-di-n-Propylamine	A	0.50000	0.5	0.7965591	0.8084773		1.5	+/-50
4-Methylphenol	A	0.50000	0.5	1.3794240	1.2838410		-6.9	+/-50
Nitrobenzene	A	0.50000	0.5	0.3354574	0.3148268		-6.2	+/-50
Isophorone	A	0.50000	0.5	0.4275424	0.3868443		-9.5	+/-50
2-Nitrophenol	A	0.50000	0.5	0.2064997	0.1943328		-5.4	+/-50
2,4-Dimethylphenol	A	1.0000	1.0	0.3501131	0.3420102		-2.3	+/-50
Bis(2-Chloroethoxy)methane	A	0.50000	0.5	0.3325989	0.3291838		-1.0	+/-50
2,4-Dichlorophenol	A	1.0000	1.0	0.2951237	0.2833035		-4.0	+/-50
1,2,4-Trichlorobenzene	A	0.50000	0.5	0.3191088	0.3120949		-2.2	+/-50
Naphthalene	A	0.50000	0.5	0.9843833	0.9556600		-2.9	+/-50
Benzoic acid	A	2.0000	0.4	0.1508906	0.0477355		-77.6	+/-50
4-Chloroaniline	A	1.0000	0.9	0.4059568	0.3606975		-11.1	+/-50
Hexachlorobutadiene	A	0.50000	0.5	0.1583286	0.1512812		-4.5	+/-50
4-Chloro-3-Methylphenol	A	1.0000	0.9	0.2785027	0.2644514		-5.0	+/-50
2-Methylnaphthalene	A	0.50000	0.5	0.7220739	0.6723759		-6.9	+/-50
Hexachlorocyclopentadiene	A	1.0000	0.1	0.3023695	0.0415226		-86.3	+/-50
2,4,6-Trichlorophenol	A	1.0000	0.9	0.3338641	0.2917426		-12.6	+/-50
2,4,5-Trichlorophenol	A	1.0000	0.8	0.3853234	0.3090024		-19.8	+/-50
2-Chloronaphthalene	A	0.50000	0.5	1.1441150	1.1004810		-3.8	+/-50
2-Nitroaniline	A	1.0000	1.0	0.3007956	0.2969377		-1.3	+/-50
Acenaphthylene	A	0.50000	0.5	1.7445240	1.7372870		-0.4	+/-50
Dimethylphthalate	A	0.50000	0.5	1.1280520	1.1181020		-0.9	+/-50
2,6-Dinitrotoluene	A	1.0000	0.9	0.2545771	0.2221514		-12.7	+/-50
Acenaphthene	A	0.50000	0.5	1.0820160	1.0722410		-0.9	+/-50

* Values outside of QC limits

LOW-CONCENTRATION CONTINUING CALIBRATION CHECK
EPA 8270E

Laboratory:	Analytical Resources, LLC	SDG:	22L0307
Client:	Anchor QEA, LLC	Project:	AOC4 UR Phase 3
Instrument ID:	NT14	Calibration:	FL00066
Lab File ID:	NT1422123068.D	Calibration Date:	12/30/2022
Sequence:	SKL0355	Injection Date:	01/01/23
Lab Sample ID:	SKL0355-LCV4	Injection Time:	00:42
Sequence Name:	ABN 0.5		

		CONC. (ug/mL)		RESPONSE FACTOR (RRF)			% DRIFT/DIFF	
COMPOUND	TYPE	STD	CCV	ICAL	CCV	MIN	CCV	LIMIT
3-Nitroaniline	A	1.0000	0.8	0.3094189	0.2625893		-15.1	+/-50
2,4-Dinitrophenol	A	2.0000	0.01	0.1831718	0.0013321		-99.4	+/-50
Dibenzofuran	A	0.50000	0.5	1.6225950	1.5992840		-1.4	+/-50
4-Nitrophenol	A	1.0000	0.7	0.1384031	0.0995818		-32.8	+/-50
2,4-Dinitrotoluene	A	1.0000	0.8	0.3492859	0.2717615		-22.2	+/-50
Fluorene	A	0.50000	0.5	1.7261350	1.6845370		-2.4	+/-50
4-Chlorophenylphenyl ether	A	0.50000	0.5	0.8450792	0.8658081		2.5	+/-50
Diethyl phthalate	A	0.50000	0.6	1.5332690	1.7536520		14.4	+/-50
4-Nitroaniline	A	1.0000	0.8	0.3413732	0.3098778		-16.9	+/-50
4,6-Dinitro-2-methylphenol	A	2.0000	0.4	0.1530278	0.0321223		-80.9	+/-50
N-Nitrosodiphenylamine	A	0.50000	0.5	0.6863845	0.7021852		2.3	+/-50
4-Bromophenyl phenyl ether	A	0.50000	0.5	0.2599074	0.2459767		-5.4	+/-50
Hexachlorobenzene	A	0.50000	0.5	0.2852204	0.2779293		-2.6	+/-50
Pentachlorophenol	A	1.0000	0.1	0.1128364	0.0128045		-89.6	+/-50
Phenanthrene	A	0.50000	0.5	1.0429190	1.0078070		-3.4	+/-50
Anthracene	A	0.50000	0.5	0.9956202	0.9654373		-3.0	+/-50
Carbazole	A	0.50000	0.5	0.9624945	0.9011810		-6.4	+/-50
Di-n-Butylphthalate	A	0.50000	0.5	1.0394700	1.0429660		-4.2	+/-50
Fluoranthene	A	0.50000	0.5	1.2879410	1.2156890		-5.6	+/-50
Pyrene	A	0.50000	0.5	1.3541610	1.3030620		-3.8	+/-50
Butylbenzylphthalate	A	0.50000	0.5	0.4650792	0.5379980		5.2	+/-50
Benzo(a)anthracene	A	0.50000	0.5	1.2117210	1.2615680		4.1	+/-50
3,3'-Dichlorobenzidine	A	1.5000	1.6	0.3709370	0.4058052		9.4	+/-50
Chrysene	A	0.50000	0.5	1.1445730	1.1447600		0.02	+/-50
bis(2-Ethylhexyl)phthalate	A	0.50000	0.5	0.4442323	0.4563126		2.7	+/-50
Di-n-Octylphthalate	A	0.50000	0.5	0.9601702	0.9409763		-2.0	+/-50
Benzofluoranthenes, Total	A	1.0000	1.1	1.2153330	1.3693140		12.7	+/-50
Benzo(a)pyrene	A	0.50000	0.5	1.0450150	1.1069130		5.9	+/-50
Indeno(1,2,3-cd)pyrene	A	0.50000	0.3	1.1879490	0.6834033		-42.5	+/-50
Dibenzo(a,h)anthracene	A	0.50000	0.3	1.0094890	0.5956232		-41.0	+/-50
Benzo(g,h,i)perylene	A	0.50000	0.2	0.9951726	0.4792214		-51.8	+/-50
1-Methylnaphthalene	A	0.50000	0.5	0.6937882	0.6579608		-5.2	+/-50
2-Fluorophenol	A	0.75000	0.732	1.2814900	1.2512690		-2.4	+/-50
Phenol-d5	A	0.75000	0.661	1.5836890	1.3948320		-11.9	+/-50

* Values outside of QC limits

LOW-CONCENTRATION
CONTINUING CALIBRATION CHECK
EPA 8270E

Laboratory:	Analytical Resources, LLC	SDG:	22L0307
Client:	Anchor QEA, LLC	Project:	AOC4 UR Phase 3
Instrument ID:	NT14	Calibration:	FL00066
Lab File ID:	NT1422123068.D	Calibration Date:	12/30/2022
Sequence:	SKL0355	Injection Date:	01/01/23
Lab Sample ID:	SKL0355-LCV4	Injection Time:	00:42
Sequence Name:	ABN 0.5		

		CONC. (ug/mL)		RESPONSE FACTOR (RRF)			% DRIFT/DIFF	
COMPOUND	TYPE	STD	CCV	ICAL	CCV	MIN	CCV	LIMIT
2-Chlorophenol-d4	A	0.75000	0.698	1.3300510	1.2370580		-7.0	+/-50
1,2-Dichlorobenzene-d4	A	0.50000	0.480	0.9090592	0.8729895		-4.0	+/-50
Nitrobenzene-d5	A	0.50000	0.483	0.3377760	0.3263357		-3.4	+/-50
2-Fluorobiphenyl	A	0.50000	0.472	1.3448860	1.2695780		-5.6	+/-50
2,4,6-Tribromophenol	A	0.75000	0.538	0.1844845	0.1345265		-28.3	+/-50
p-Terphenyl-d14	A	0.50000	0.451	0.9601842	0.8667715		-9.7	+/-50

* Values outside of QC limits

Data File: \\target\share\chem3\nt14.i\20221230C.b\NT1422123068.D

Date : 01-JAN-2023 00:42

Client ID:

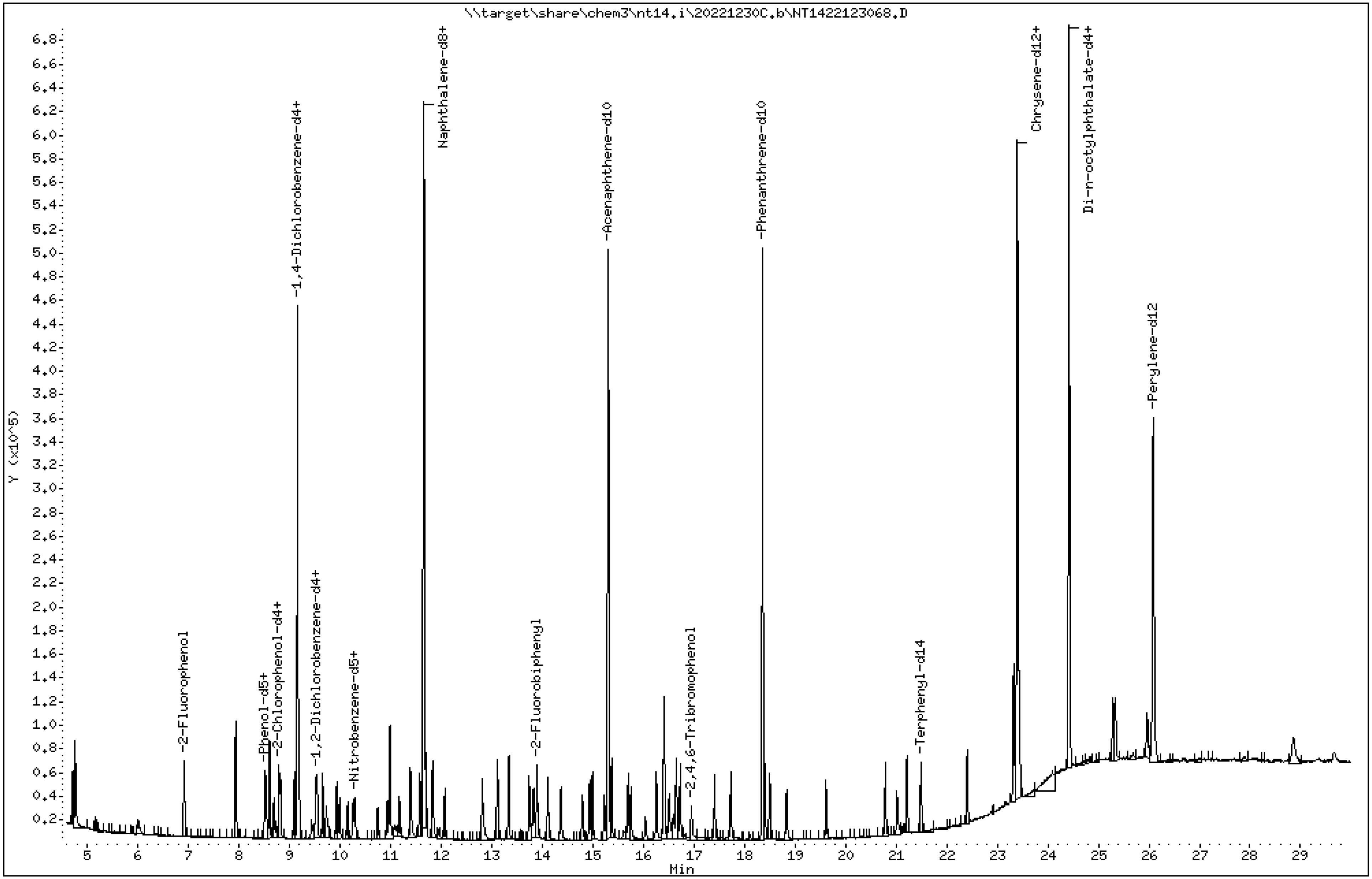
Instrument: nt14.i

Sample Info: SKL0355-LCV4

Operator: VTS

Column phase: ZB-5msi

Column diameter: 0.25



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Date : 01-JAN-2023 00:42

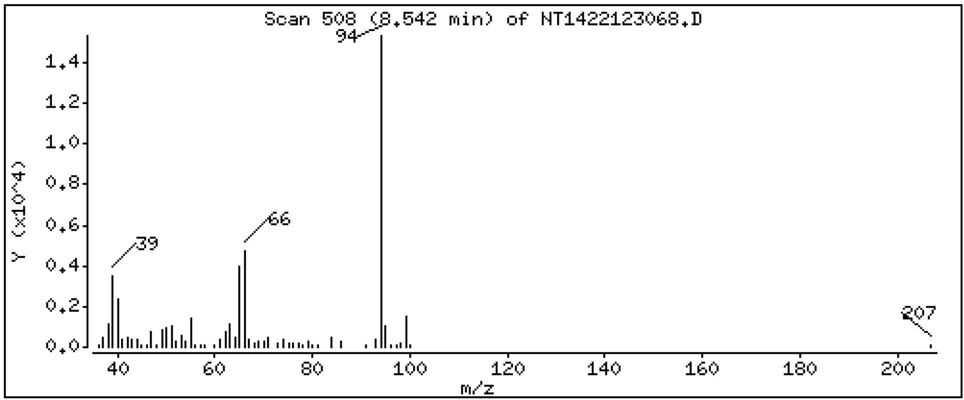
Client ID: Instrument: nt14.i

Sample Info: SKL0355-LCV4

Operator: VTS

Column phase: ZB-5msi Column diameter: 0.25

3 Phenol Concentration: 0.4858 ug/mL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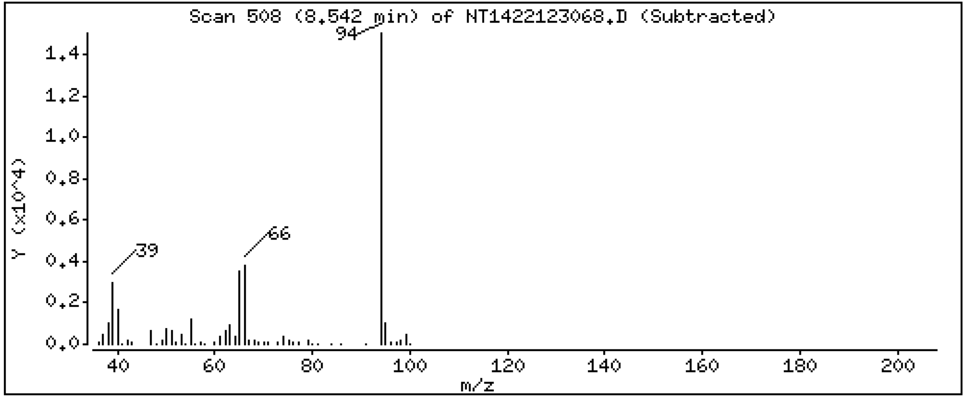
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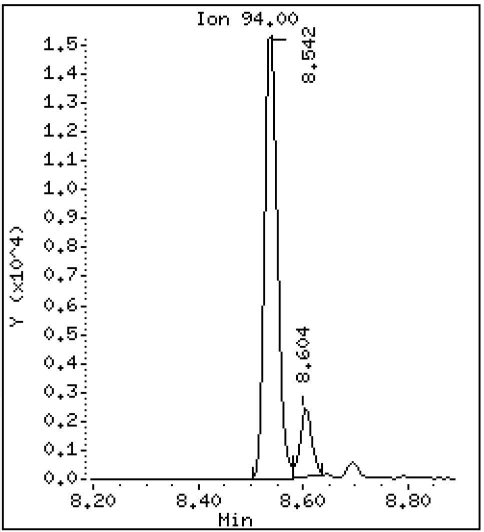
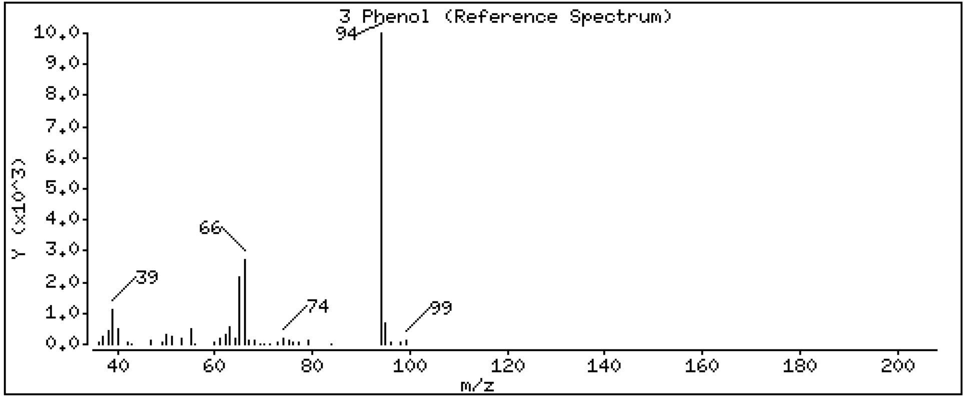
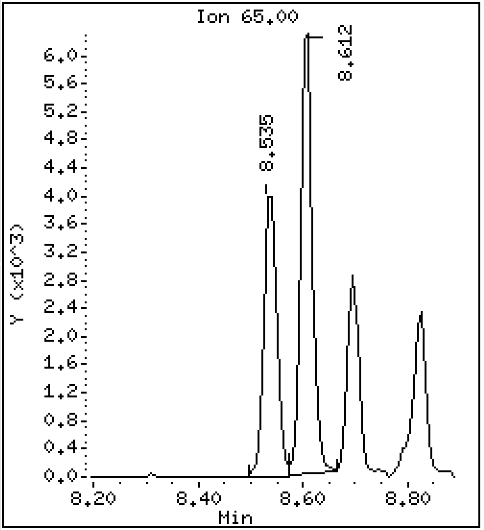

Ion 94.00


3 Phenol (Reference Spectrum)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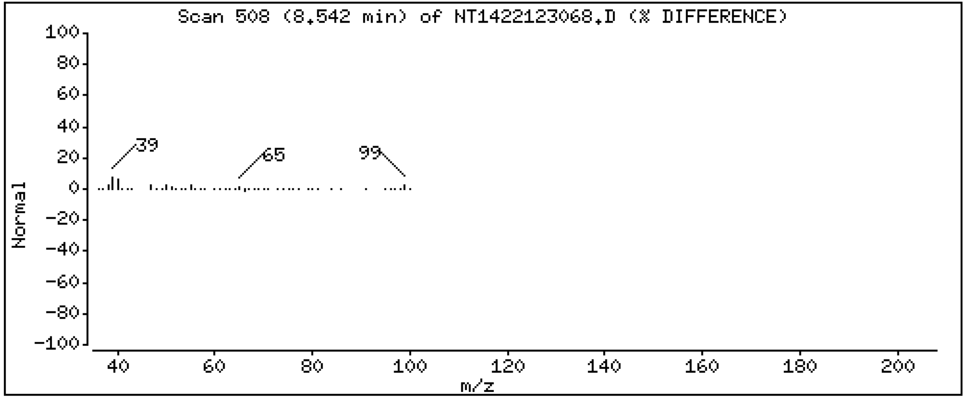
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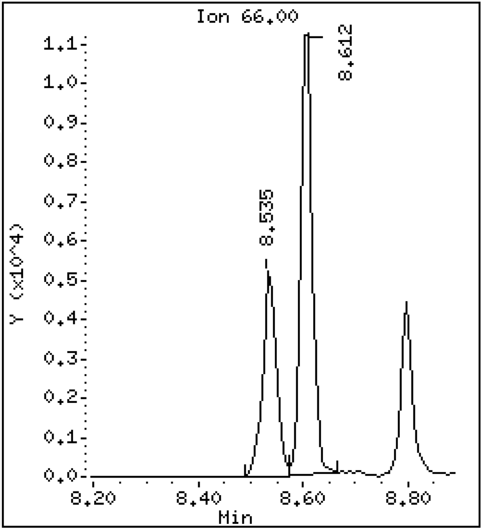
Ion 66.00

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Date : 01-JAN-2023 00:42

Client ID:

Instrument: nt14.i

Sample Info: SKL0355-LCV4

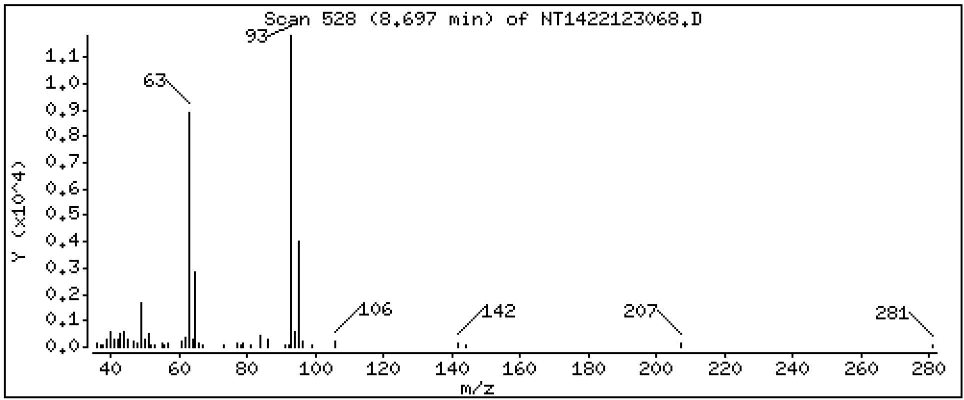
Operator: VTS

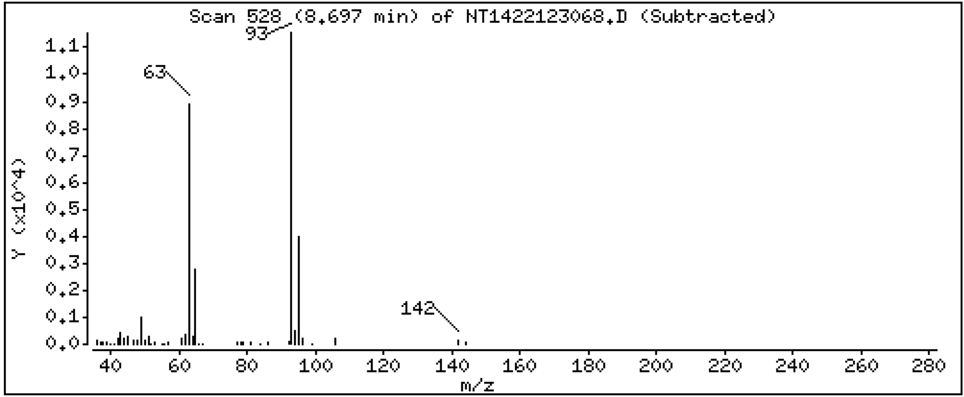
Column phase: ZB-5msi

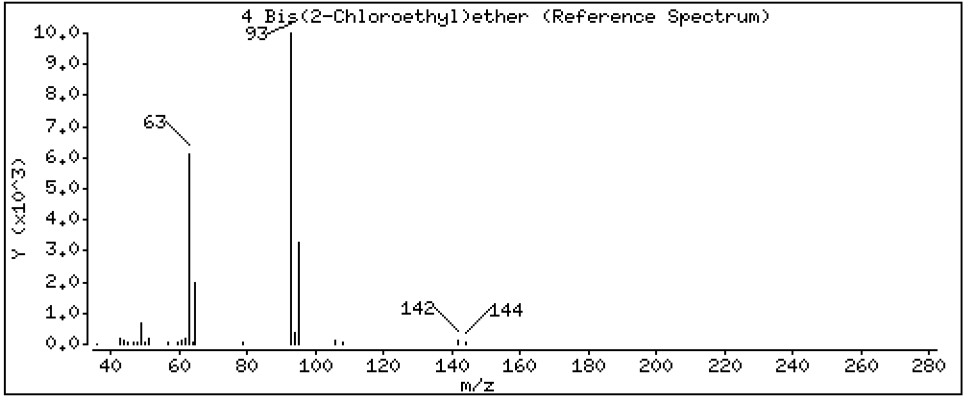
Column diameter: 0.25

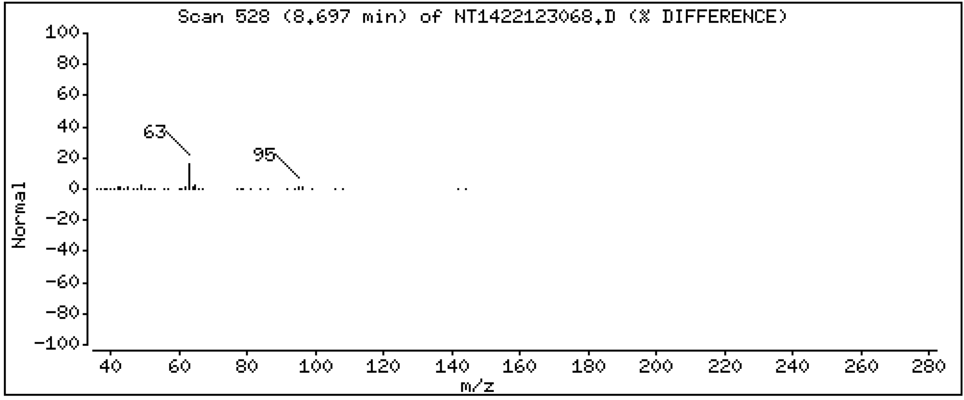
4 Bis(2-Chloroethyl)ether

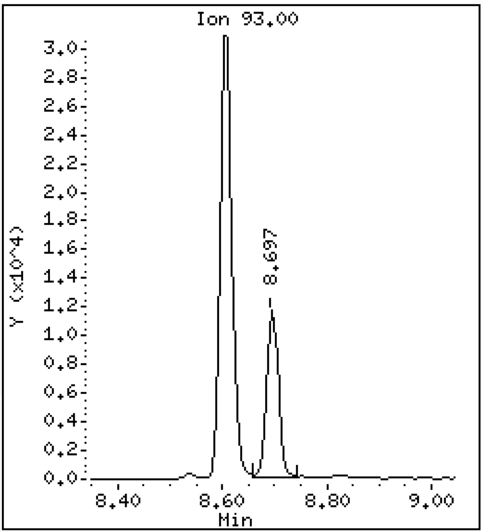
Concentration: 0.4816 ug/mL

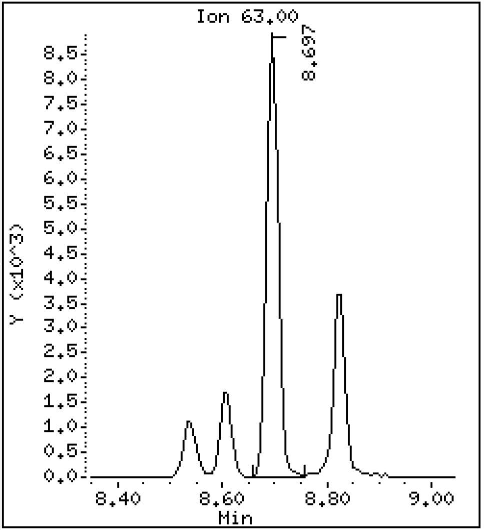


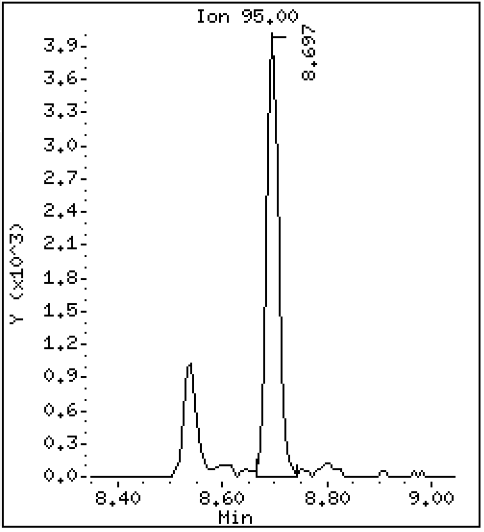












Data File: \\target\share\chem3\nt14.i\20221230C.b\NT1422123068.D

Date : 01-JAN-2023 00:42

Client ID:

Instrument: nt14.i

Sample Info: SKL0355-LCV4

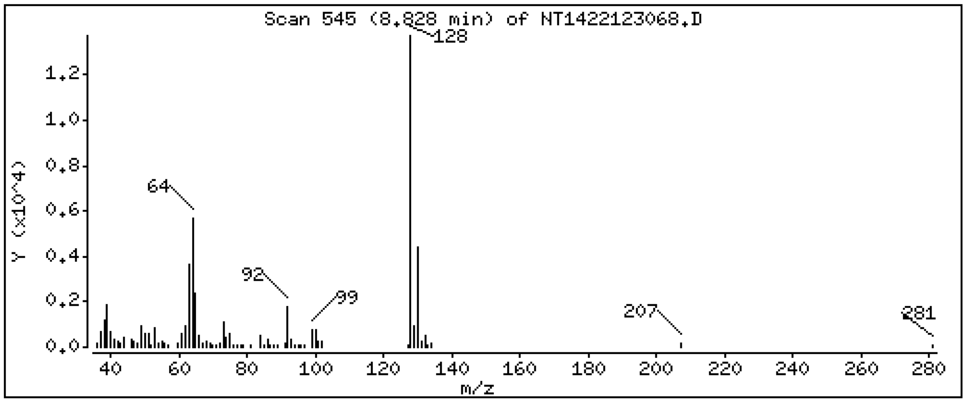
Operator: VTS

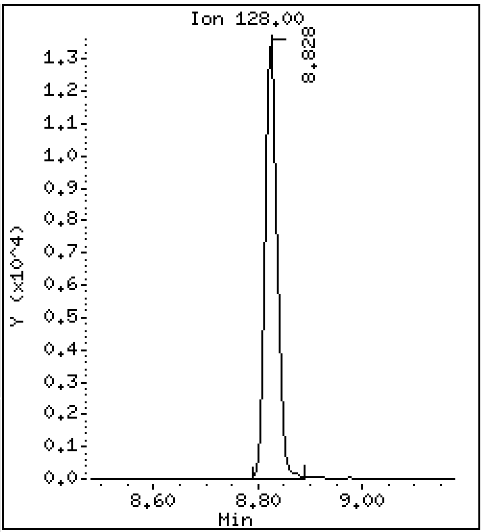
Column phase: ZB-5msi

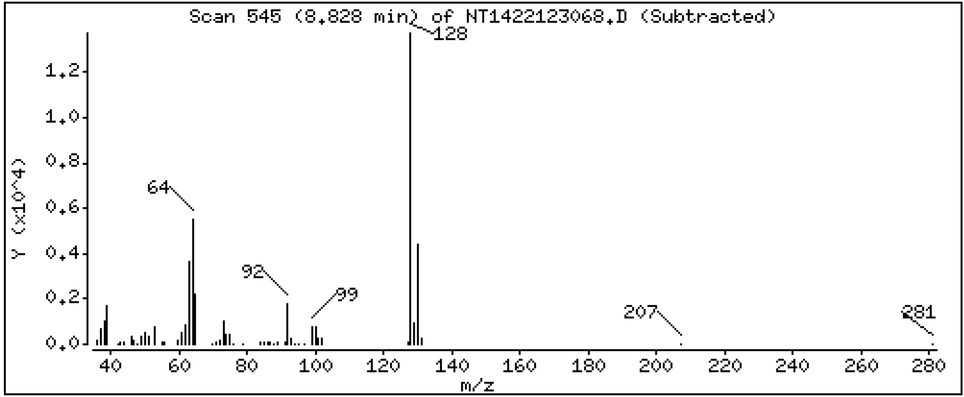
Column diameter: 0.25

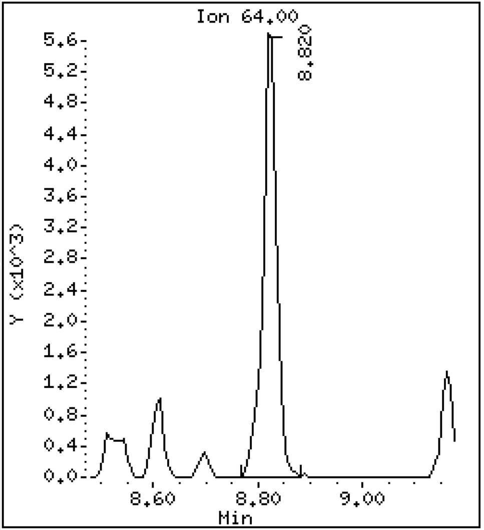
6 2-Chlorophenol

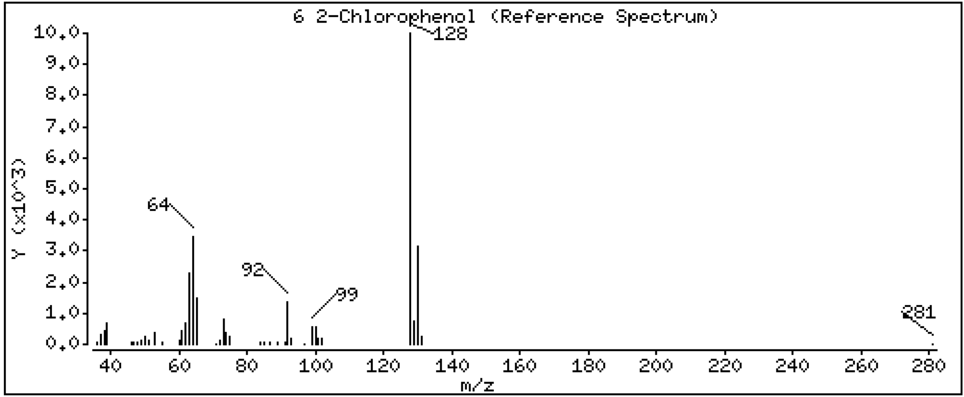
Concentration: 0.5163 ug/mL

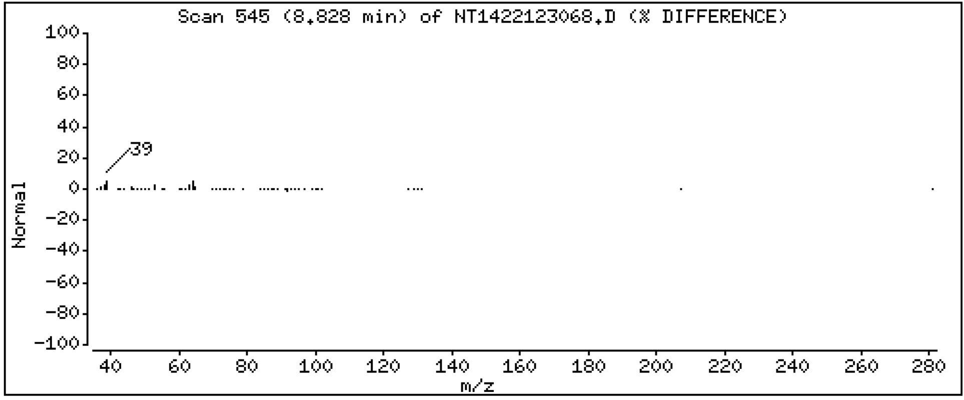


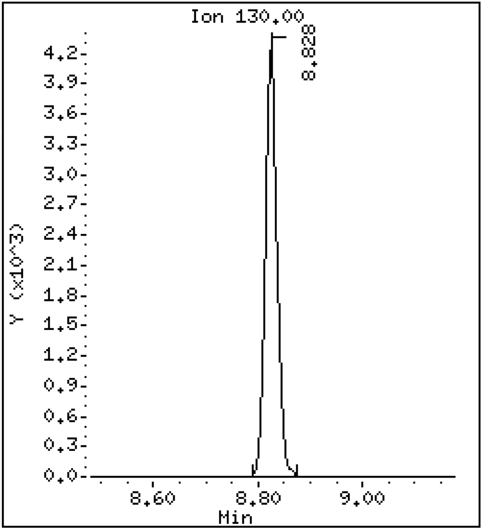












Data File: \\target\share\chem3\nt14.i\20221230C.b\NT1422123068.D

Date : 01-JAN-2023 00:42

Client ID:

Instrument: nt14.i

Sample Info: SKL0355-LCV4

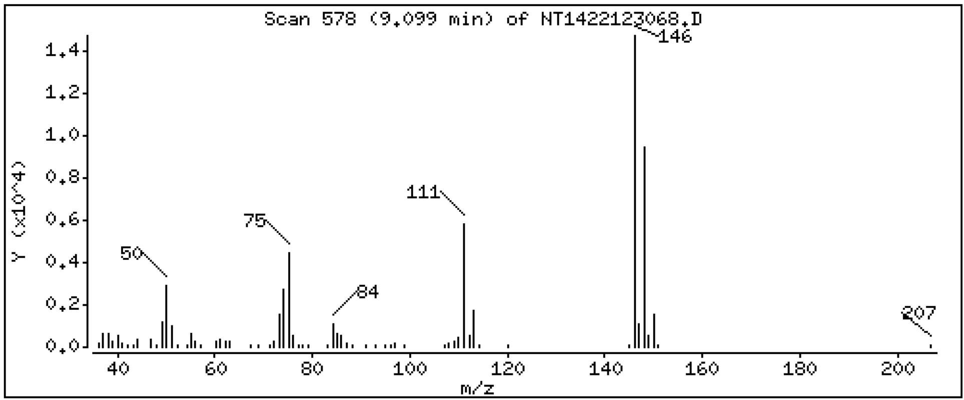
Operator: VTS

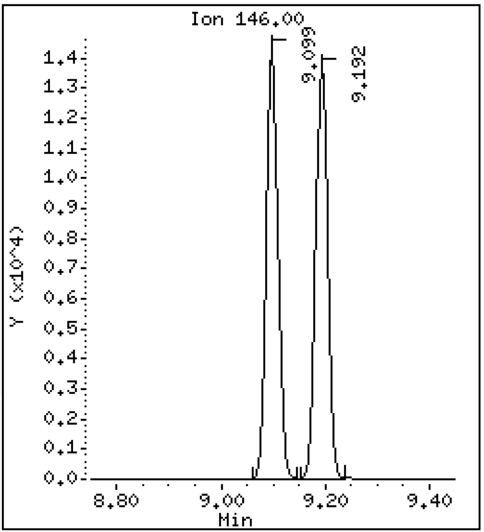
Column phase: ZB-5msi

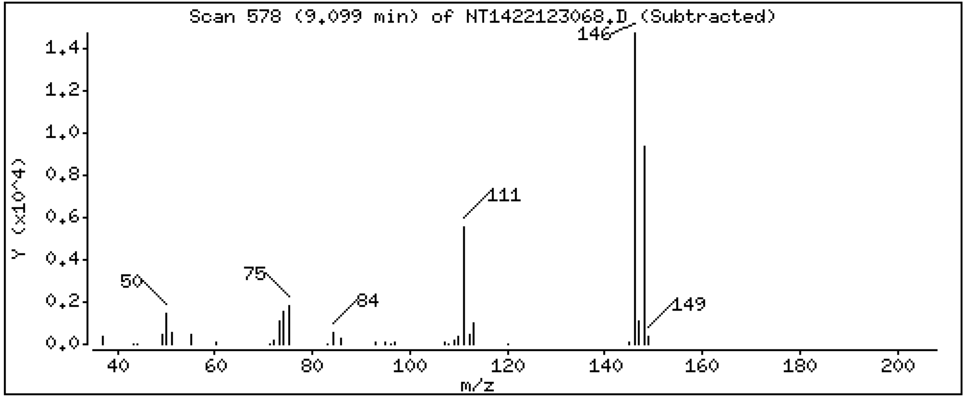
Column diameter: 0.25

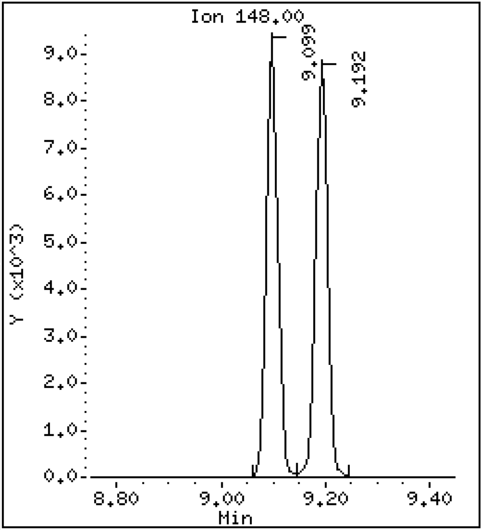
7 1,3-Dichlorobenzene

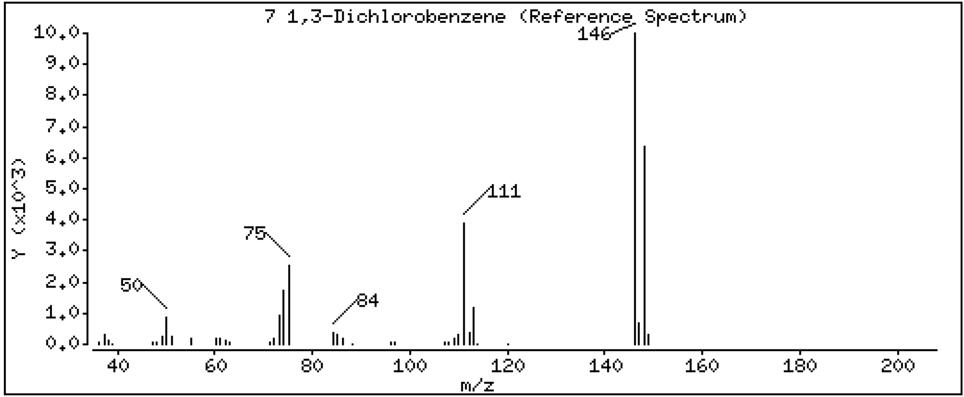
Concentration: 0.4981 ug/mL

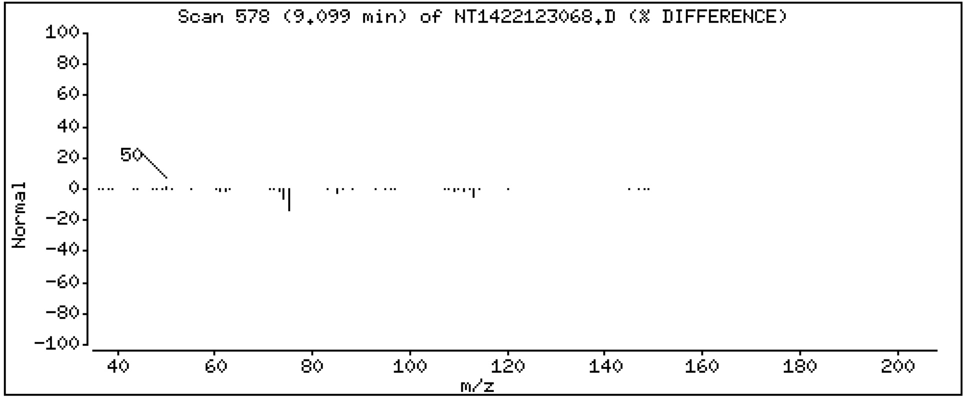


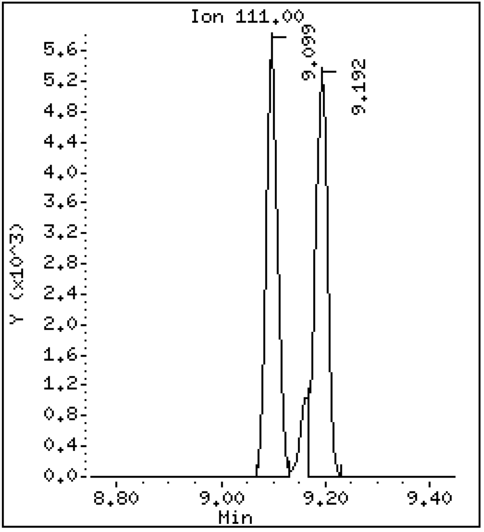












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Date : 01-JAN-2023 00:42

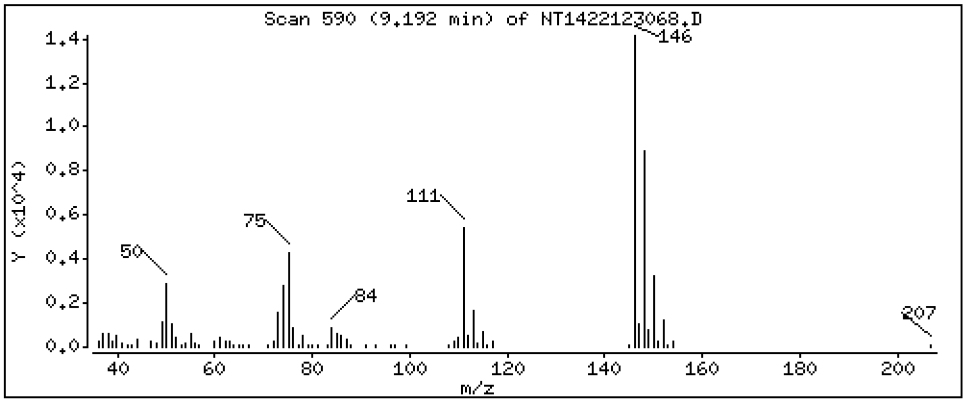
Client ID: Instrument: nt14.i

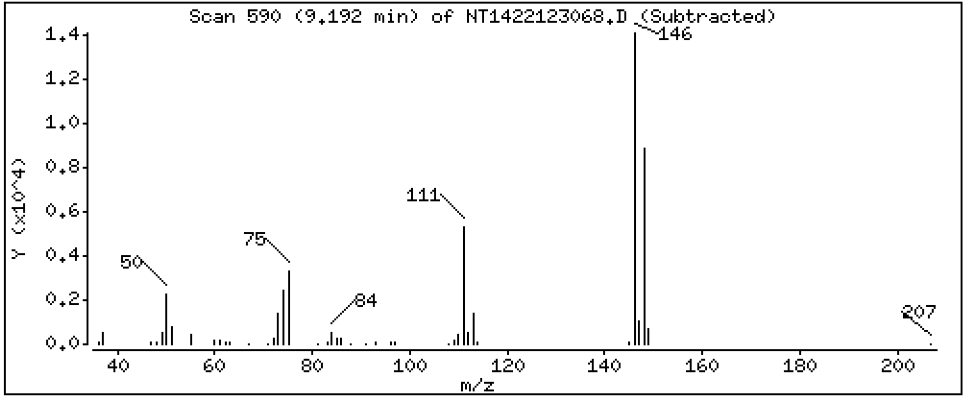
Sample Info: SKL0355-LCV4

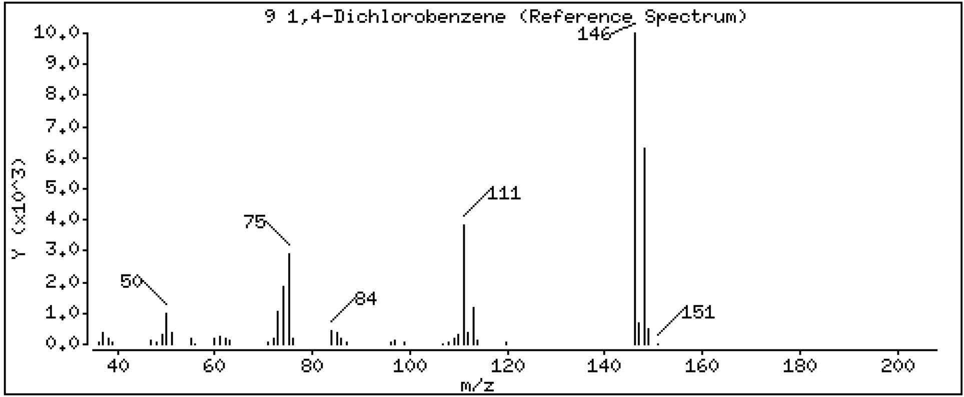
Operator: VTS

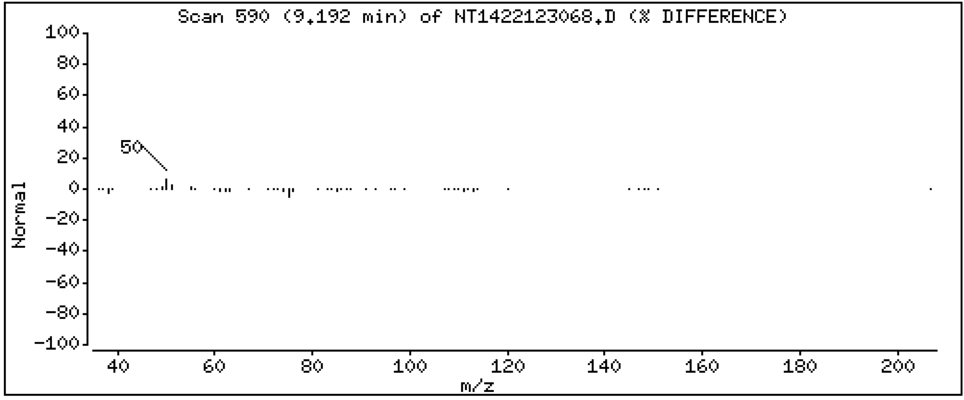
Column phase: ZB-5msi Column diameter: 0.25

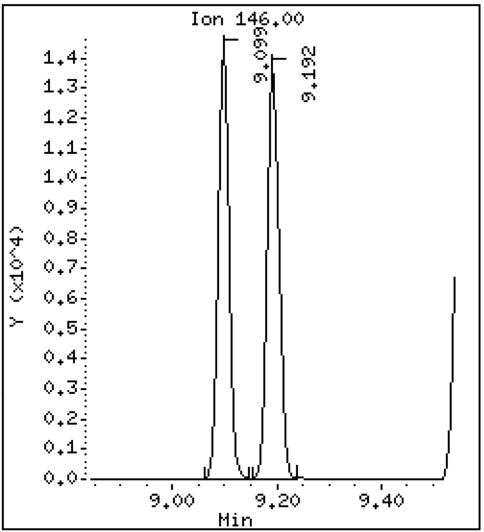
9 1,4-Dichlorobenzene Concentration: 0.5068 ug/mL

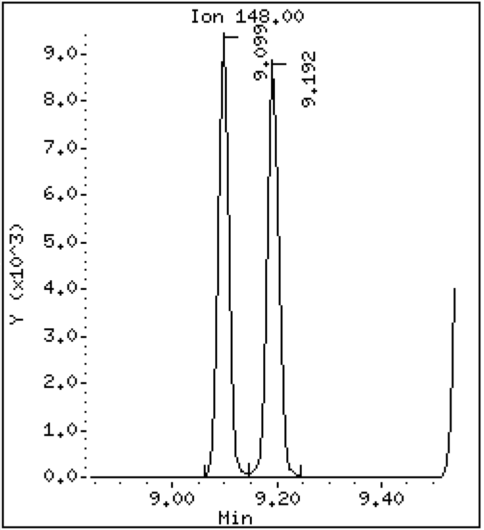

Scan 590 (9.192 min) of NT1422123068.D


Scan 590 (9.192 min) of NT1422123068.D (Subtracted)


9 1,4-Dichlorobenzene (Reference Spectrum)


Scan 590 (9.192 min) of NT1422123068.D (% DIFFERENCE)


Ion 146.00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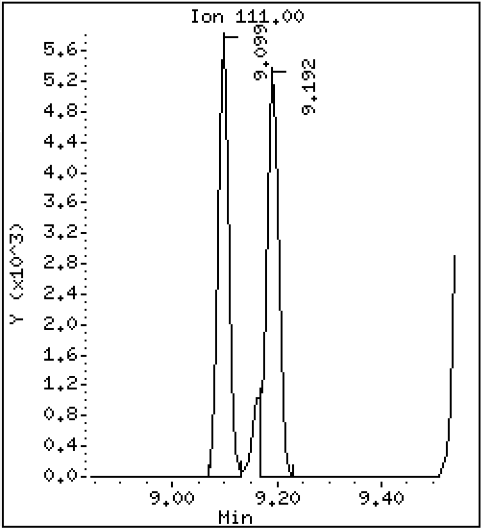

Ion 111.00

Data File: \\target\share\chem3\nt14.i\20221230C.b\NT1422123068.D

Date : 01-JAN-2023 00:42

Client ID:

Instrument: nt14.i

Sample Info: SKL0355-LCV4

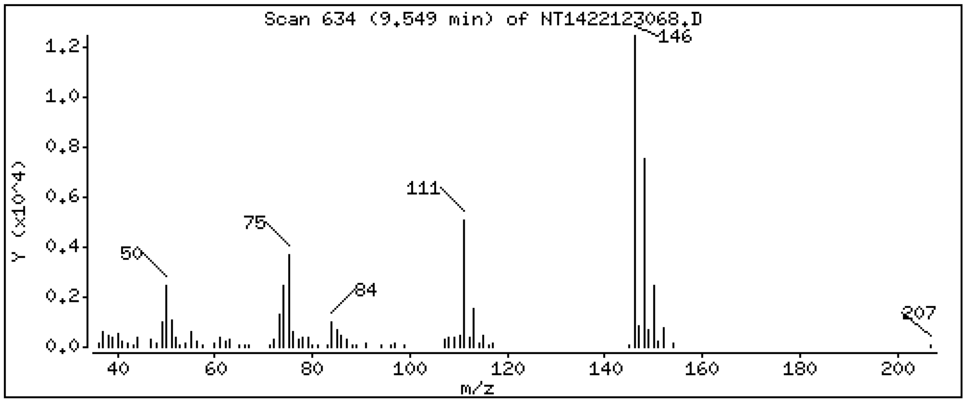
Operator: VTS

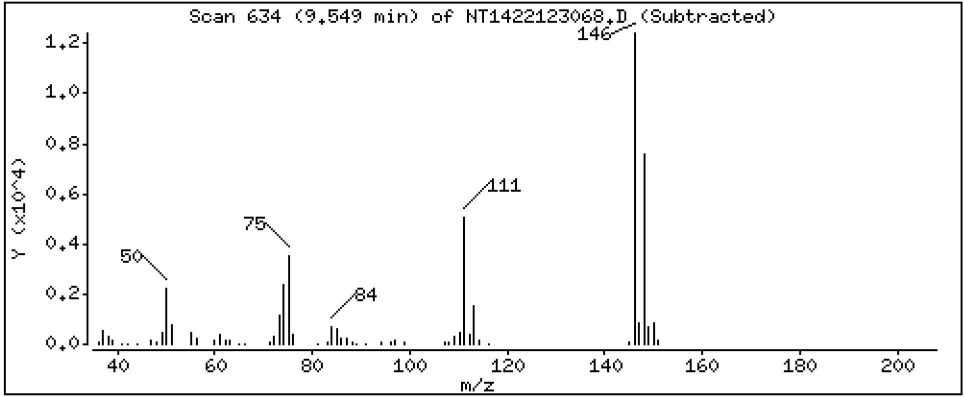
Column phase: ZB-5msi

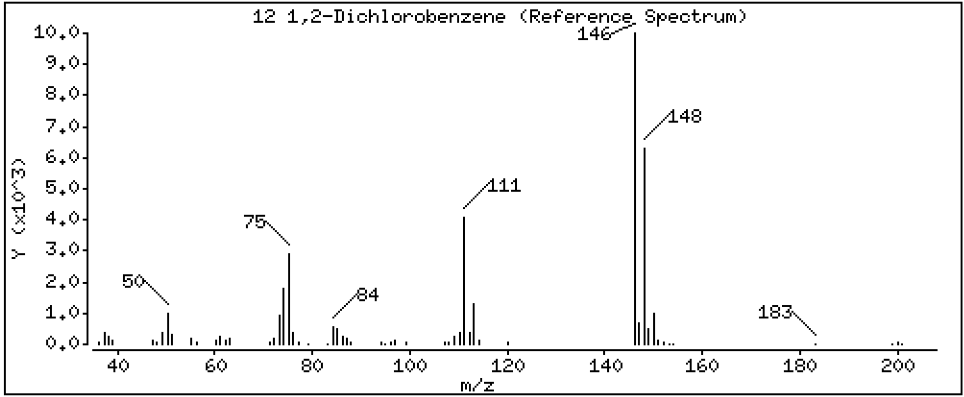
Column diameter: 0.25

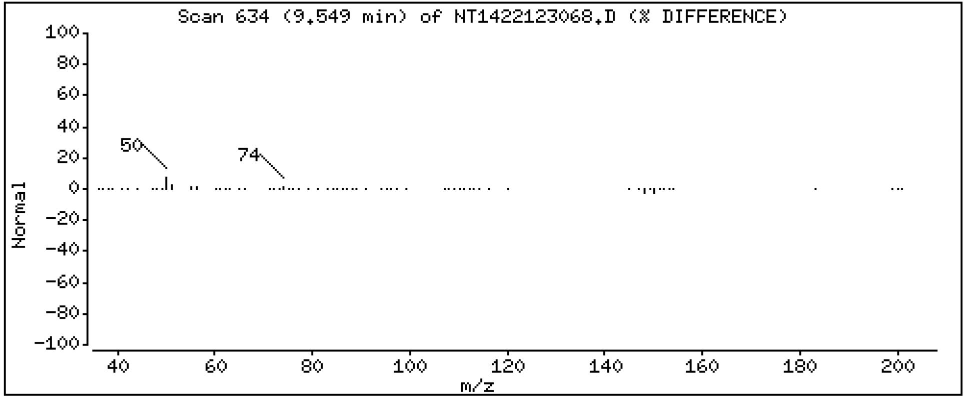
12 1,2-Dichlorobenzene

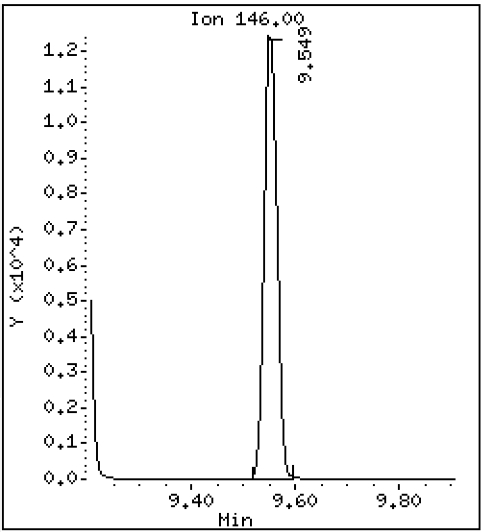
Concentration: 0.4961 ug/mL

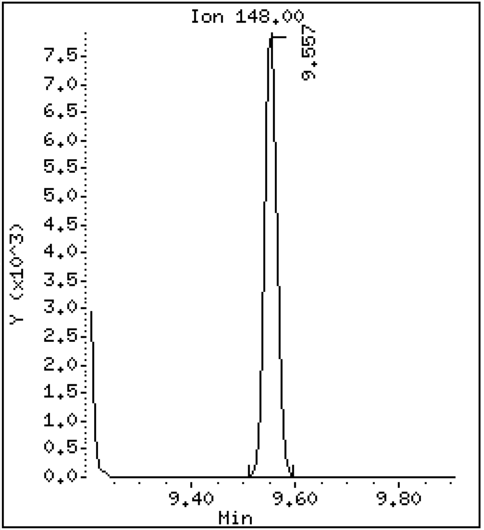


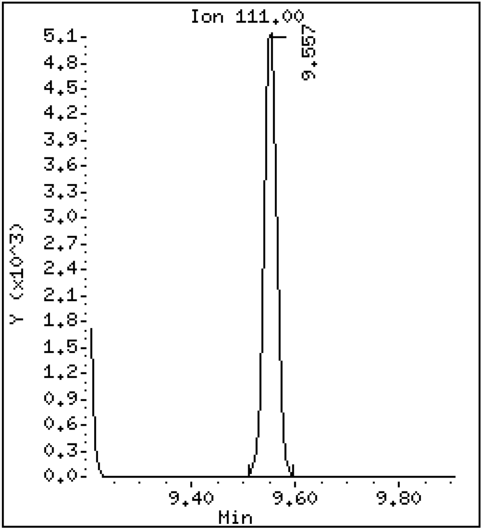












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Date : 01-JAN-2023 00:42

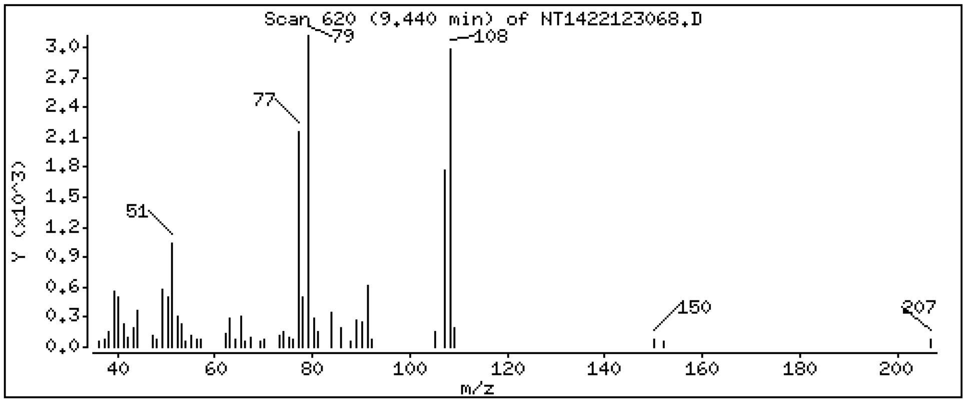
Client ID: Instrument: nt14.i

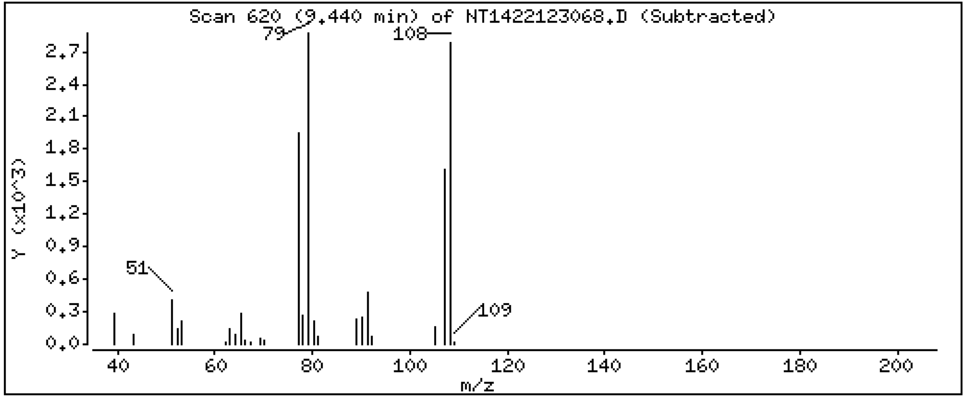
Sample Info: SKL0355-LCV4

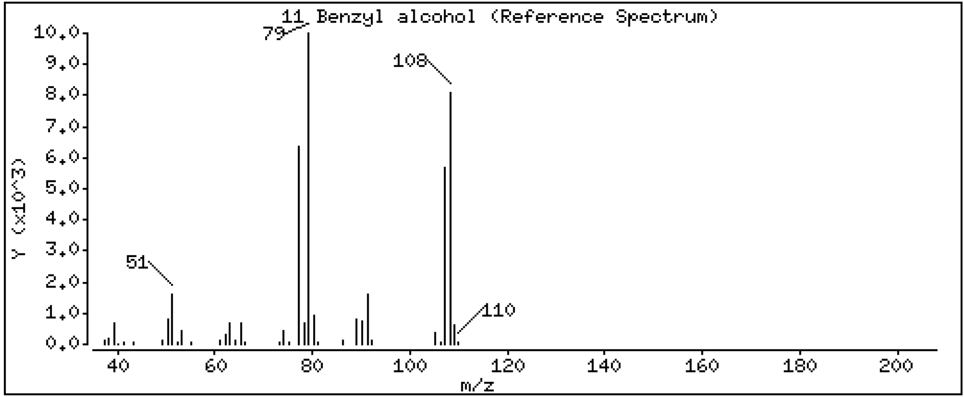
Operator: VTS

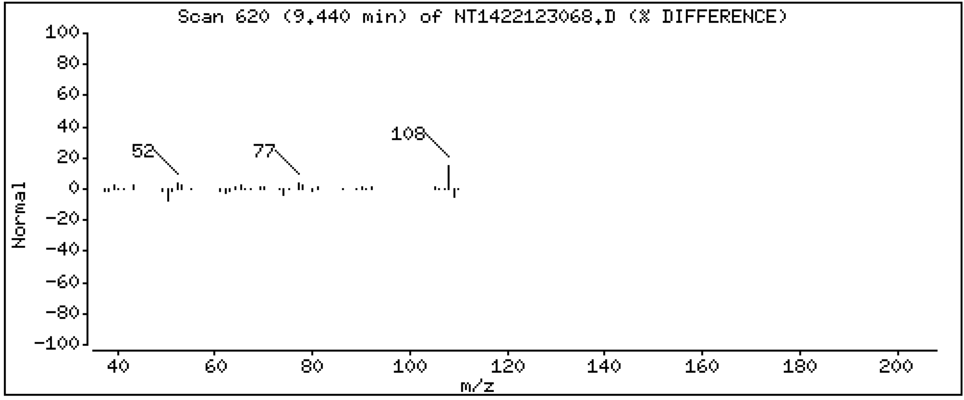
Column phase: ZB-5msi Column diameter: 0.25

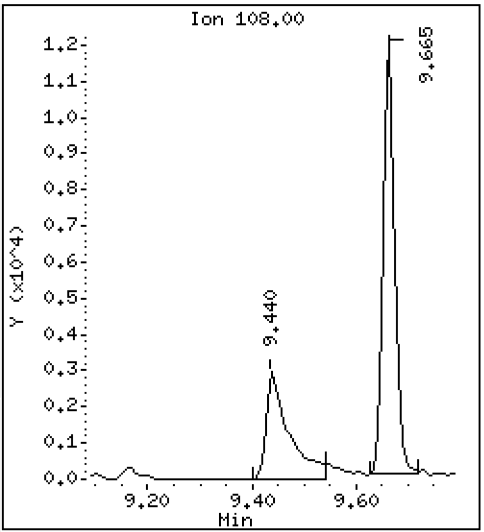
11 Benzyl alcohol Concentration: 0.3869 ug/mL

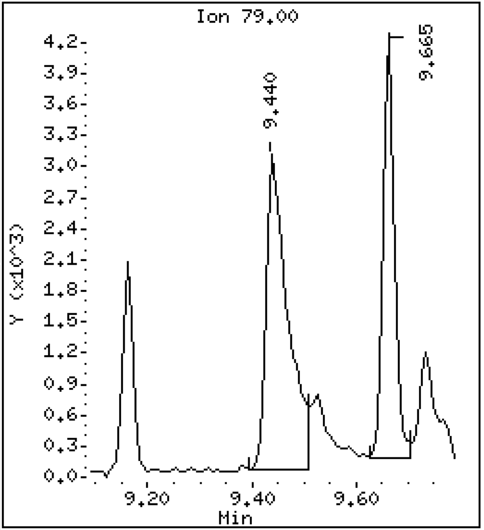


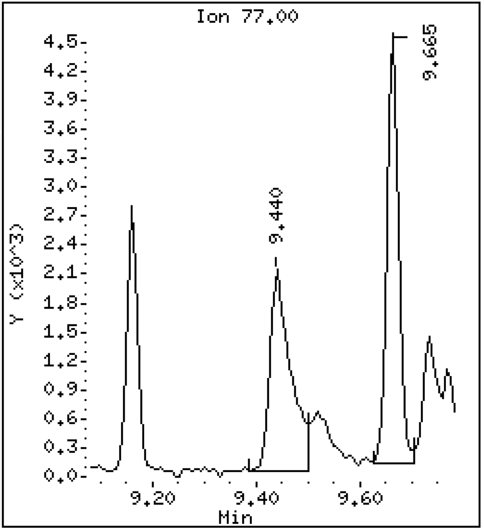












Data File: \\target\share\chem3\nt14.i\20221230C.b\NT1422123068.D

Date : 01-JAN-2023 00:42

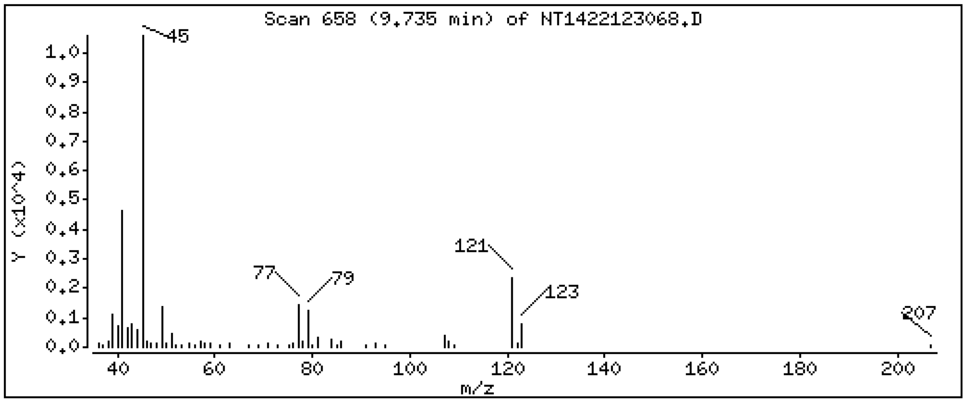
Client ID: Instrument: nt14.i

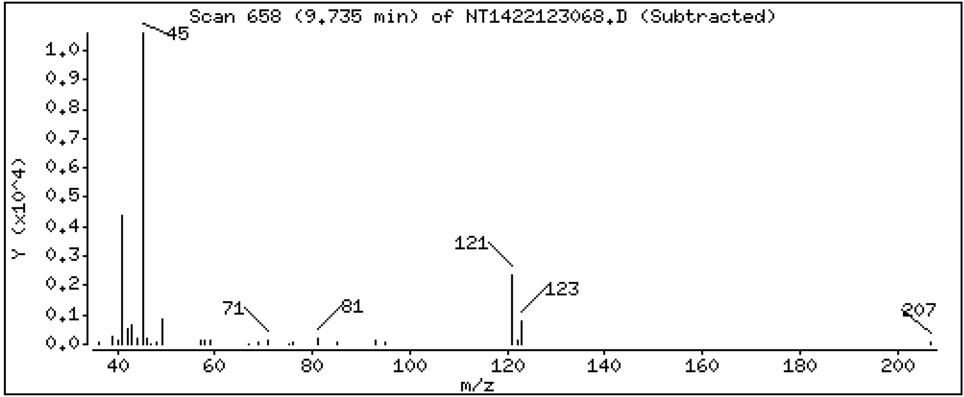
Sample Info: SKL0355-LCV4

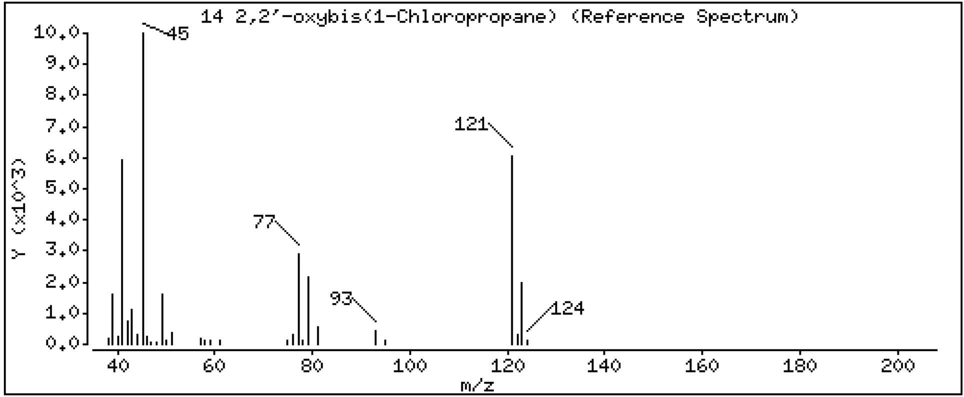
Operator: VTS

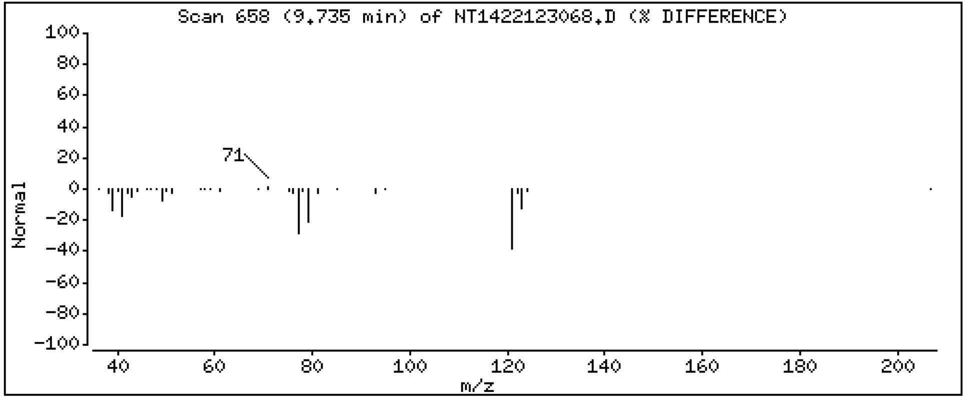
Column phase: ZB-5msi Column diameter: 0.25

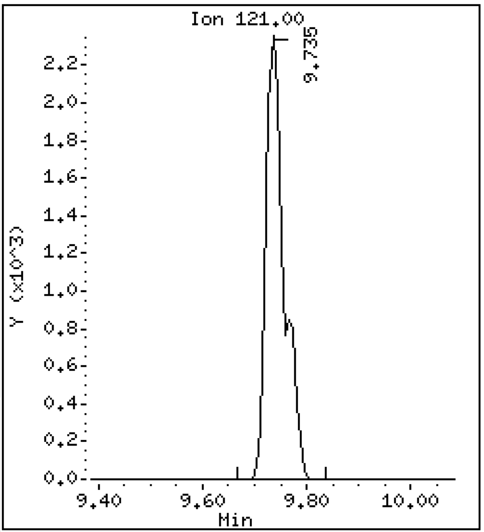
14 2,2'-oxybis(1-Chloropropane) Concentration: 0.4728 ug/mL

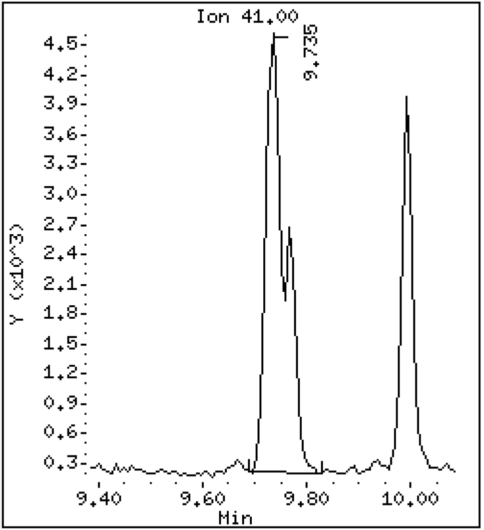

Scan 658 (9.735 min) of NT1422123068.D

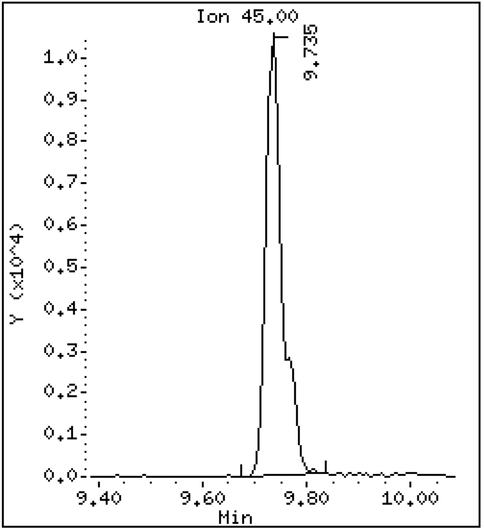

Scan 658 (9.735 min) of NT1422123068.D (Subtracted)


14 2,2'-oxybis(1-Chloropropane) (Reference Spectrum)


Scan 658 (9.735 min) of NT1422123068.D (% DIFFERENCE)


Ion 121.00


Ion 41.00


Ion 45.00

Data File: \\target\share\chem3\nt14.i\20221230C.b\NT1422123068.D

Date : 01-JAN-2023 00:42

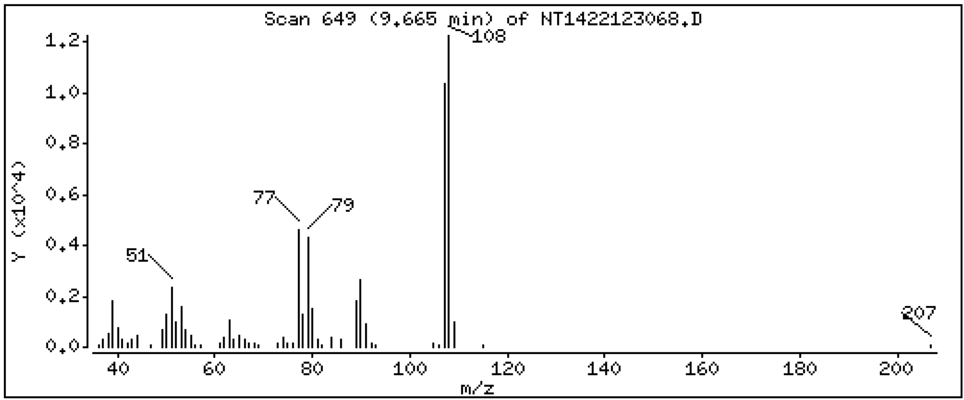
Client ID: Instrument: nt14.i

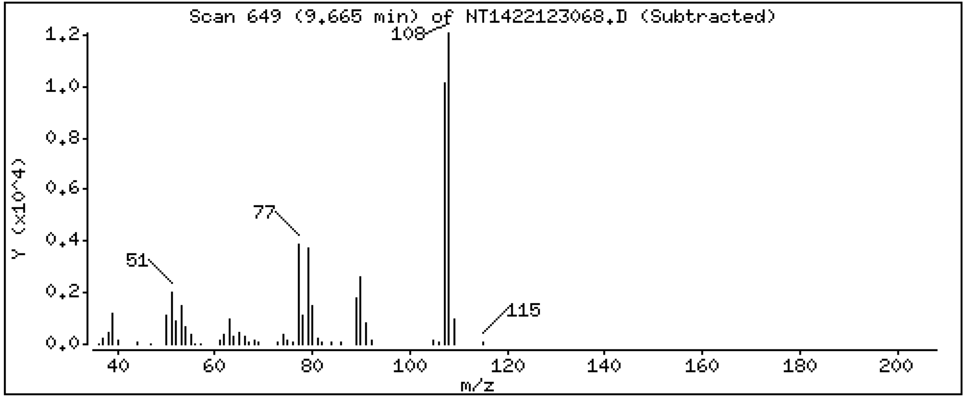
Sample Info: SKL0355-LCV4

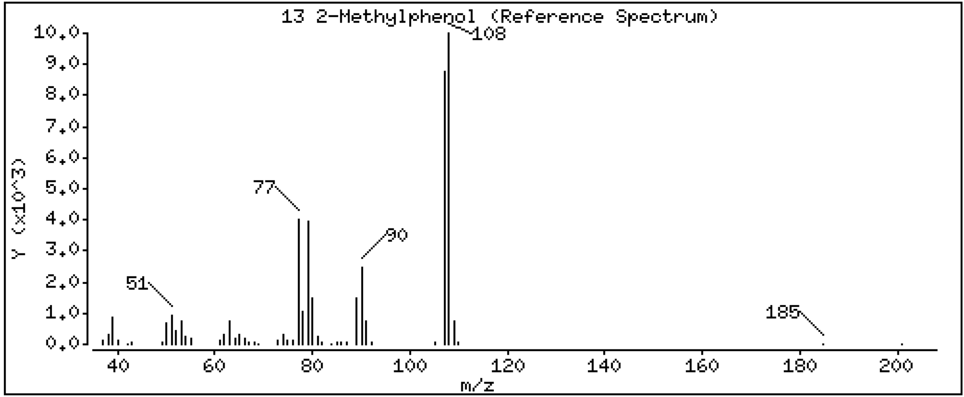
Operator: VTS

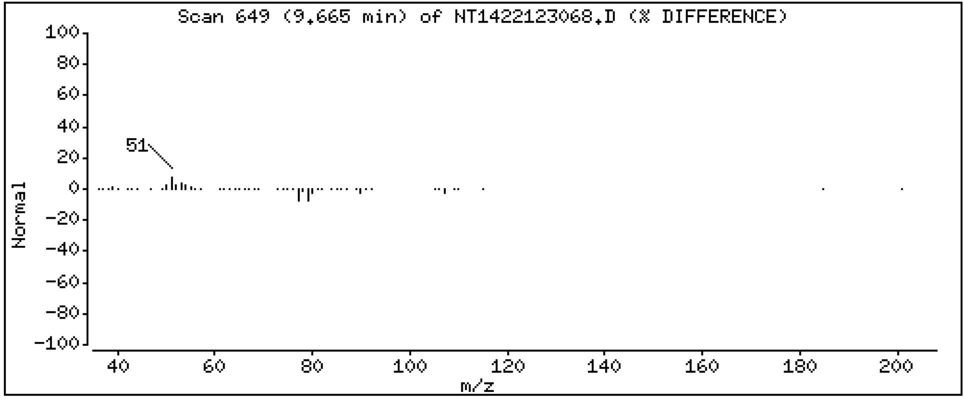
Column phase: ZB-5msi Column diameter: 0.25

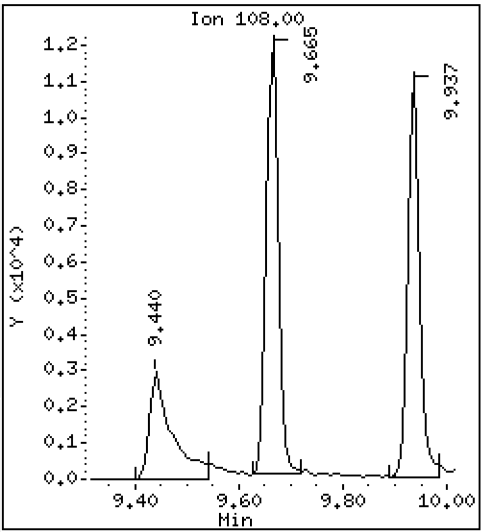
13 2-Methylphenol Concentration: 0.4871 ug/mL

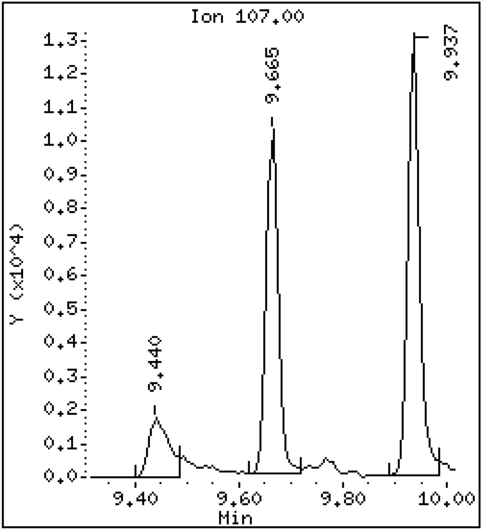


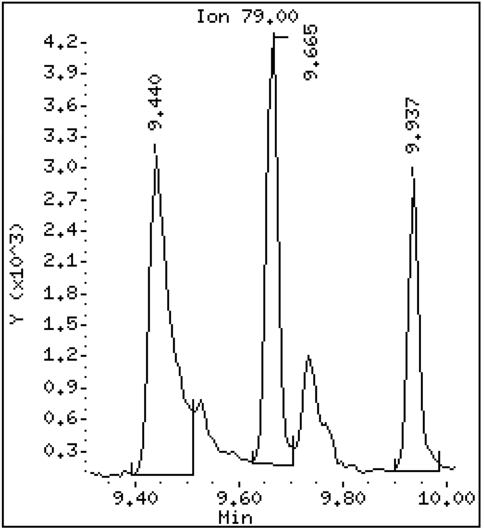












Data File: \\target\share\chem3\nt14.i\20221230C.b\NT1422123068.D

Date : 01-JAN-2023 00:42

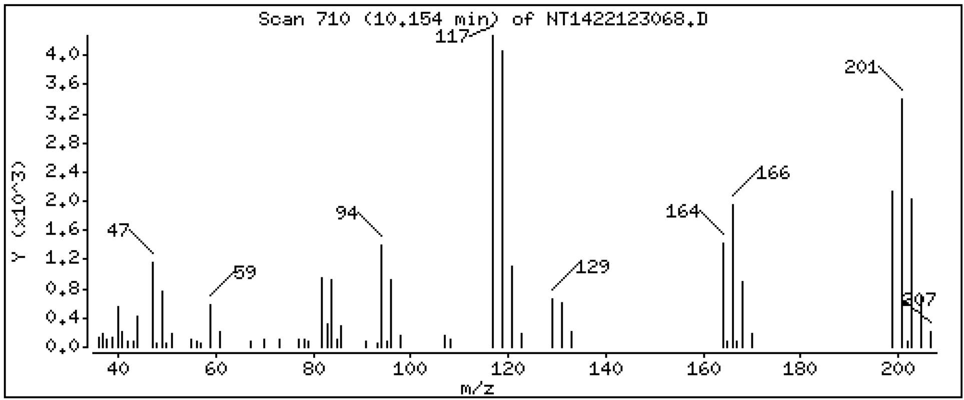
Client ID: Instrument: nt14.i

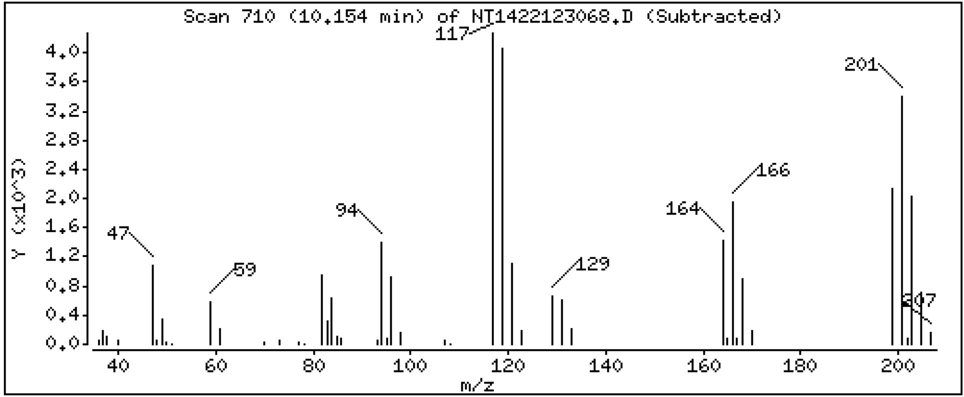
Sample Info: SKL0355-LCV4

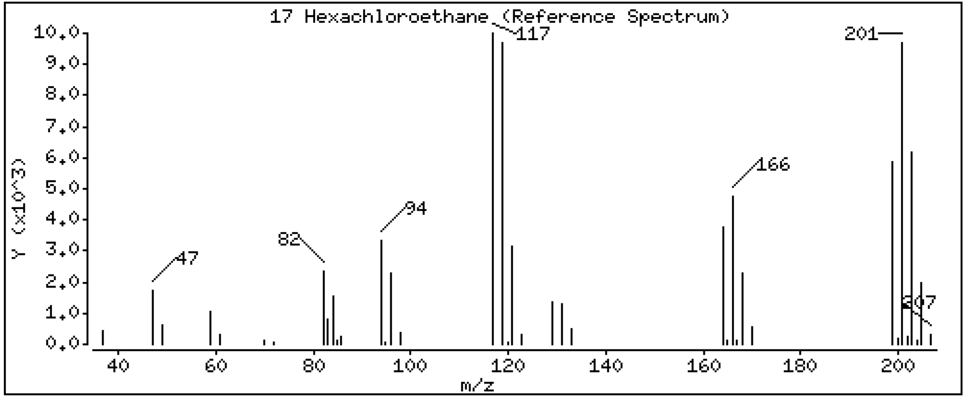
Operator: VTS

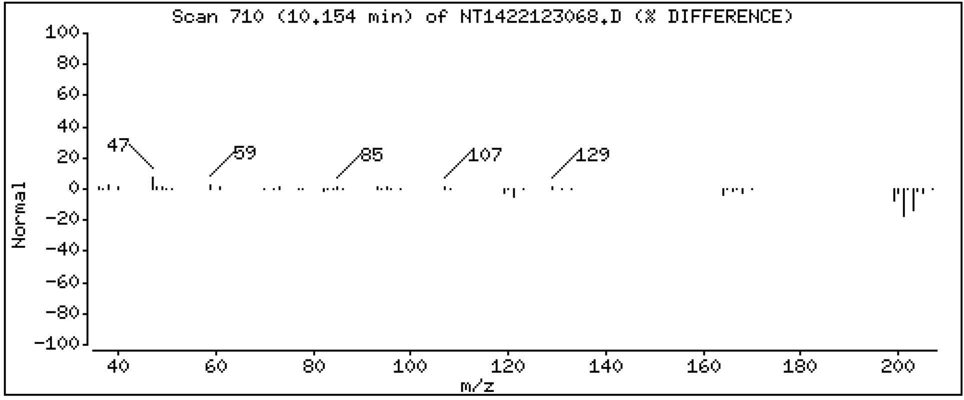
Column phase: ZB-5msi Column diameter: 0.25

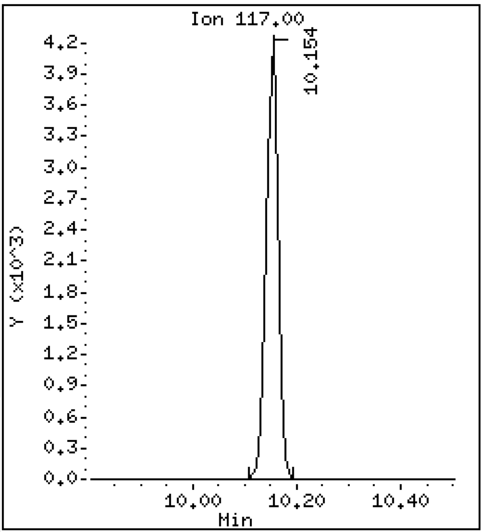
17 Hexachloroethane Concentration: 0.4126 ug/mL

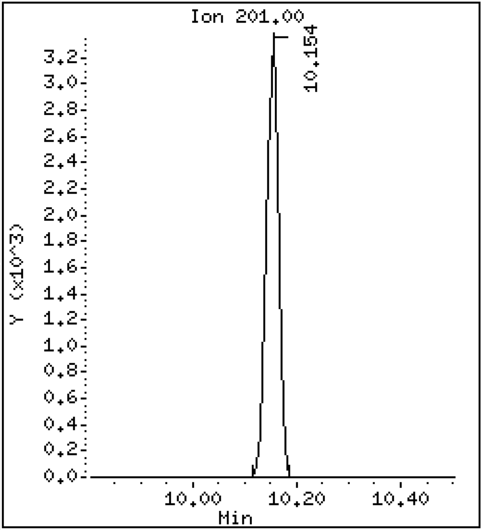

Scan 710 (10.154 min) of NT1422123068.D

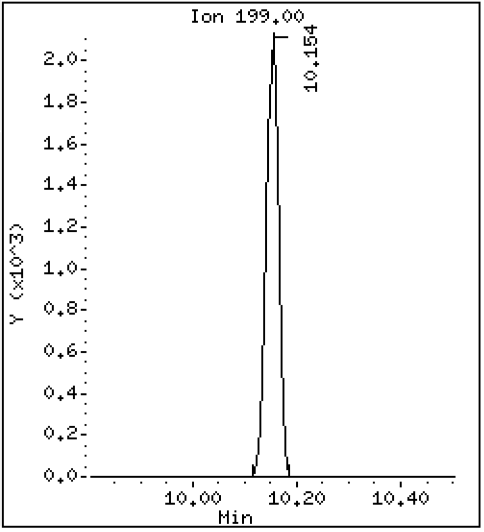

Scan 710 (10.154 min) of NT1422123068.D (Subtracted)


17 Hexachloroethane (Reference Spectrum)


Scan 710 (10.154 min) of NT1422123068.D (% DIFFERENCE)


Ion 117.00


Ion 201.00


Ion 199.00

Date : 01-JAN-2023 00:42

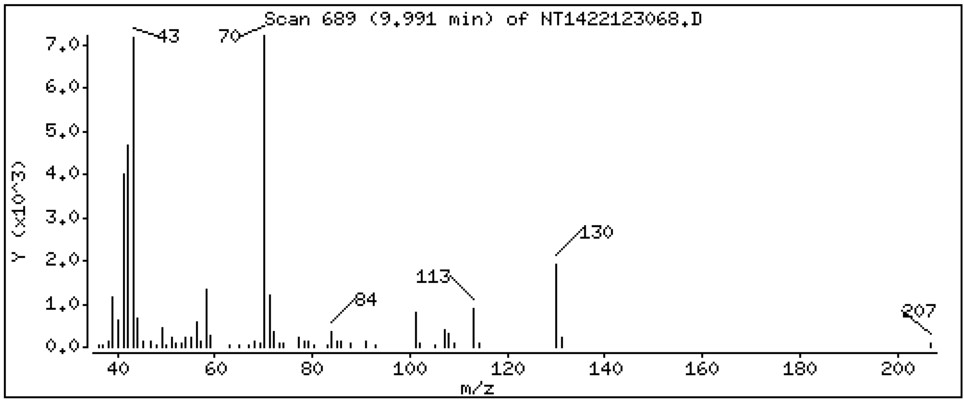
Client ID: Instrument: nt14.i

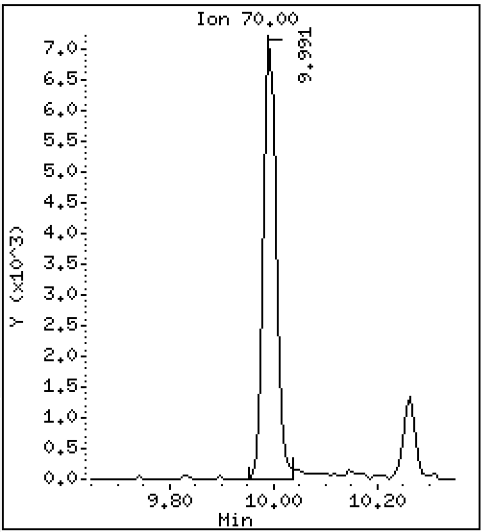
Sample Info: SKL0355-LCV4

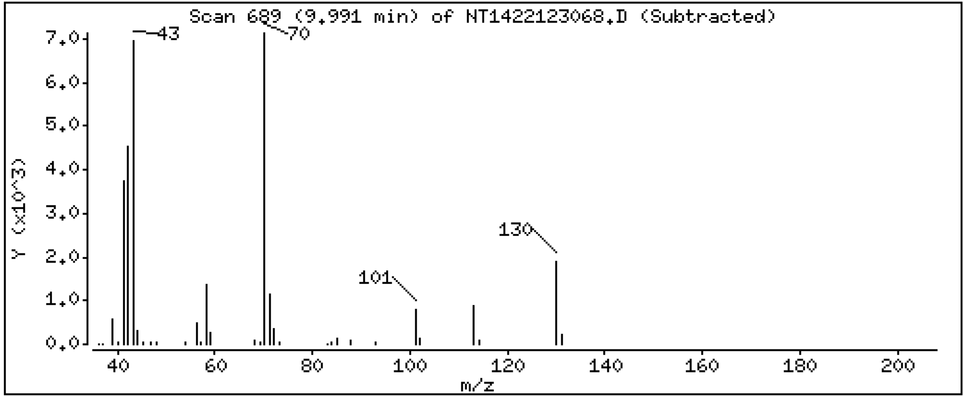
Operator: VTS

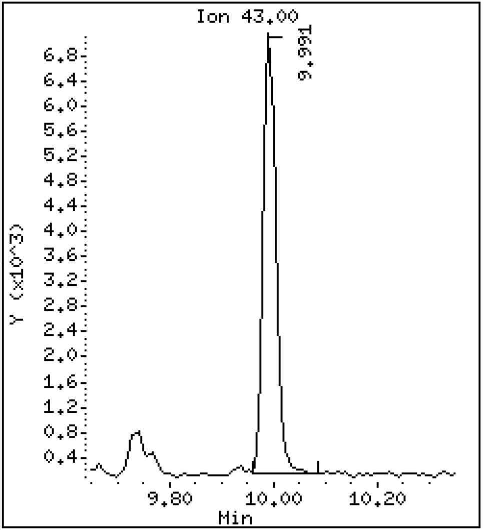
Column phase: ZB-5msi Column diameter: 0.25

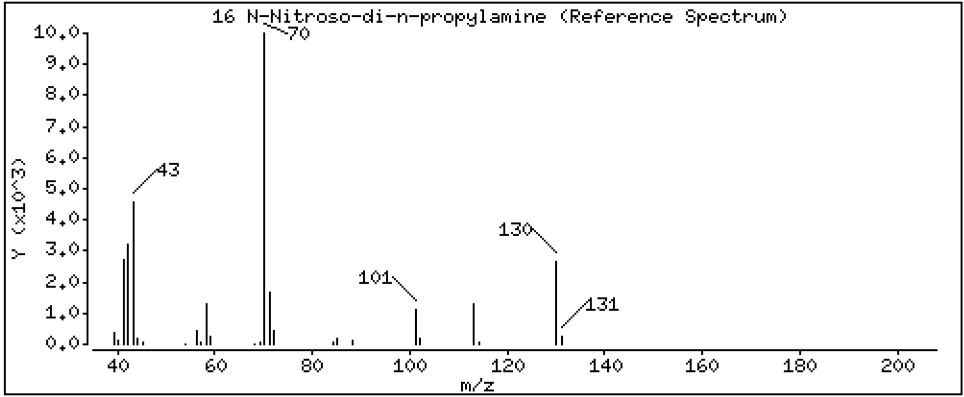
16 N-Nitroso-di-n-propylamine Concentration: 0.5075 ug/mL

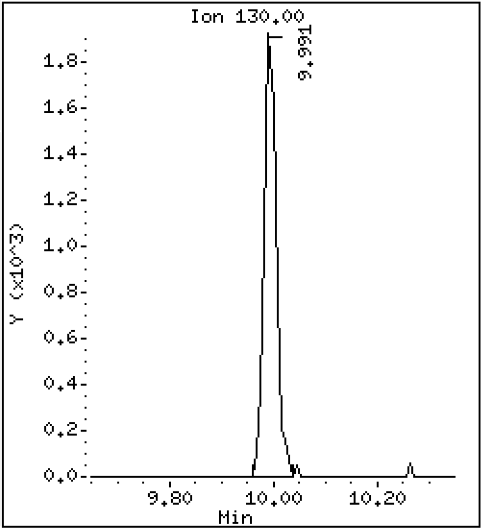


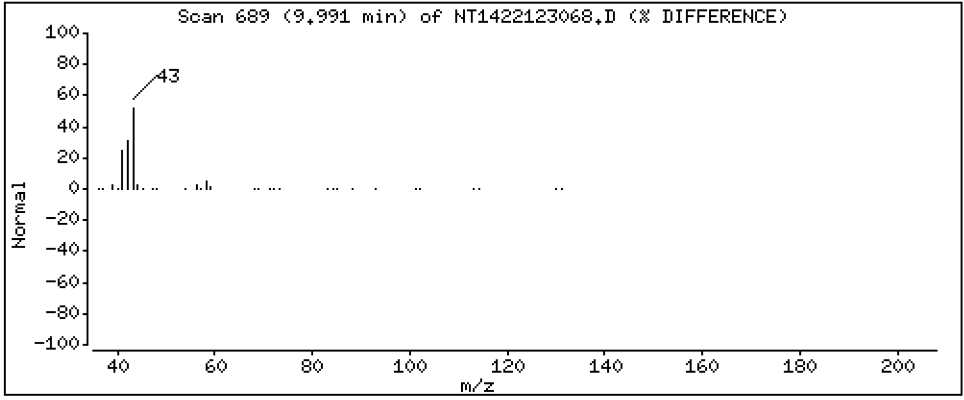












Data File: \\target\share\chem3\nt14.i\20221230C.b\NT1422123068.D

Date : 01-JAN-2023 00:42

Client ID:

Instrument: nt14.i

Sample Info: SKL0355-LCV4

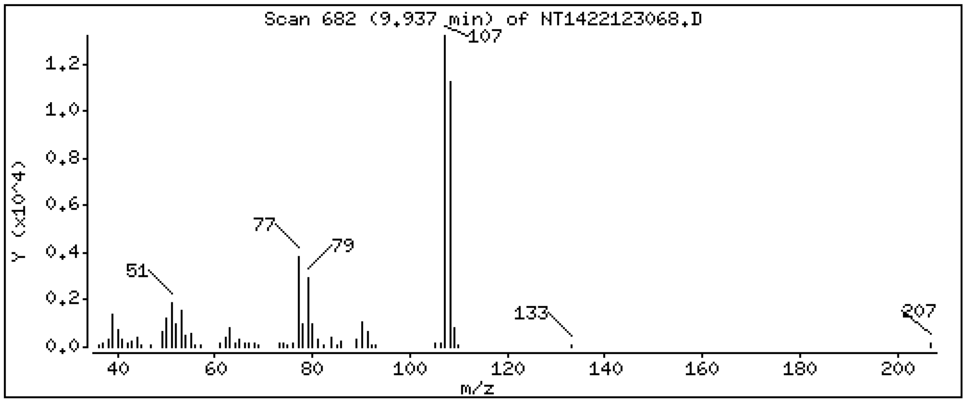
Operator: VTS

Column phase: ZB-5msi

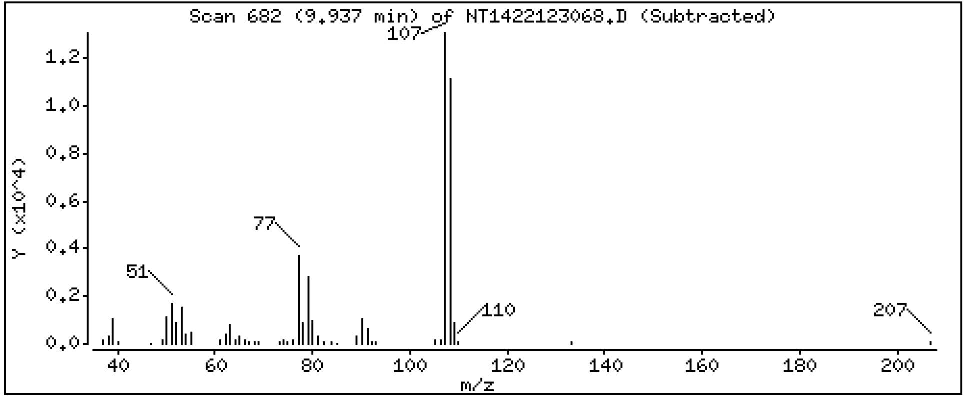
Column diameter: 0.25

15 4-Methylphenol

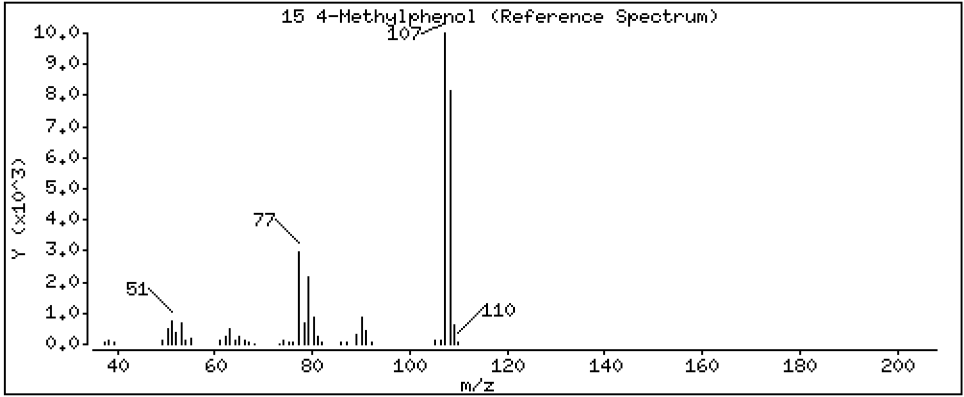
Concentration: 0.4654 ug/mL



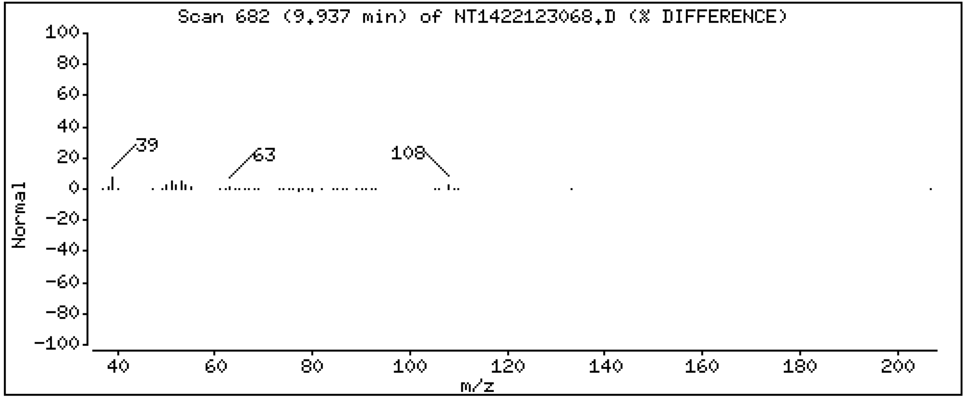
Scan 682 (9.937 min) of NT1422123068.D



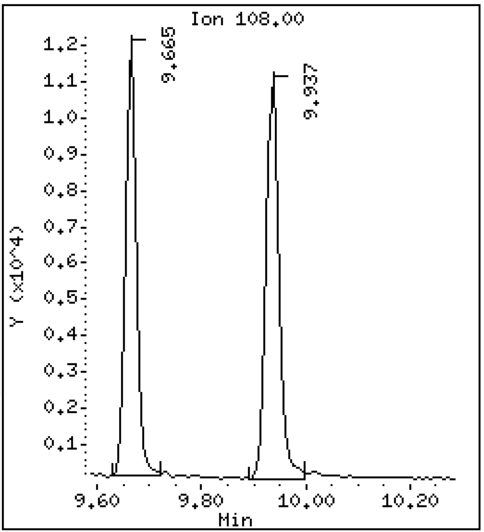
Scan 682 (9.937 min) of NT1422123068.D (Subtracted)



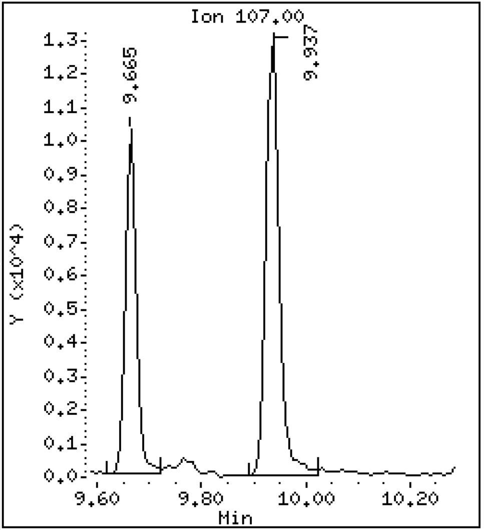
15 4-Methylphenol (Reference Spectrum)



Scan 682 (9.937 min) of NT1422123068.D (% DIFFERENCE)



Ion 108.00



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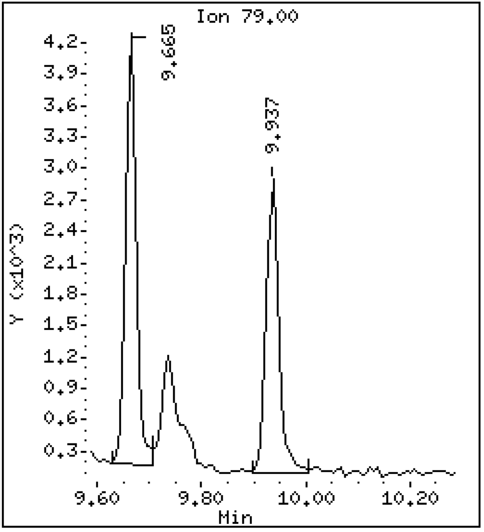


Ion 79.00

Data File: \\target\share\chem3\nt14.i\20221230C.b\NT1422123068.D

Date : 01-JAN-2023 00:42

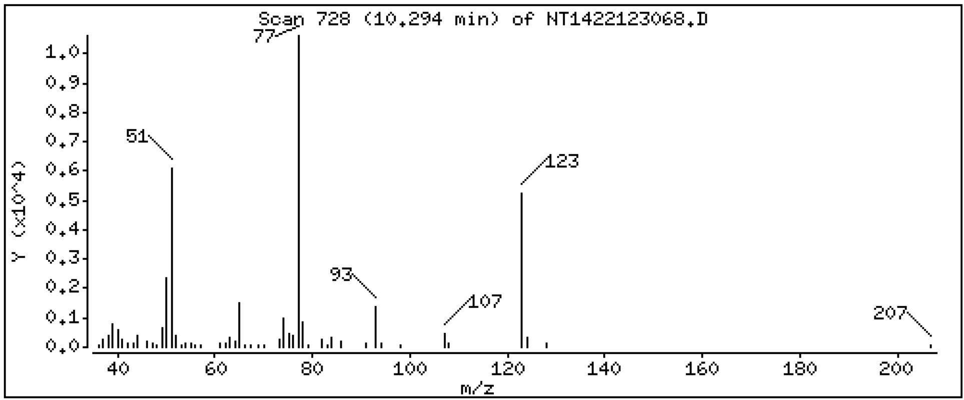
Client ID: Instrument: nt14.i

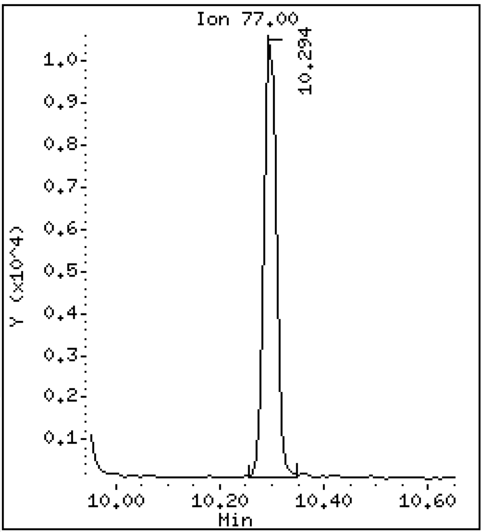
Sample Info: SKL0355-LCV4

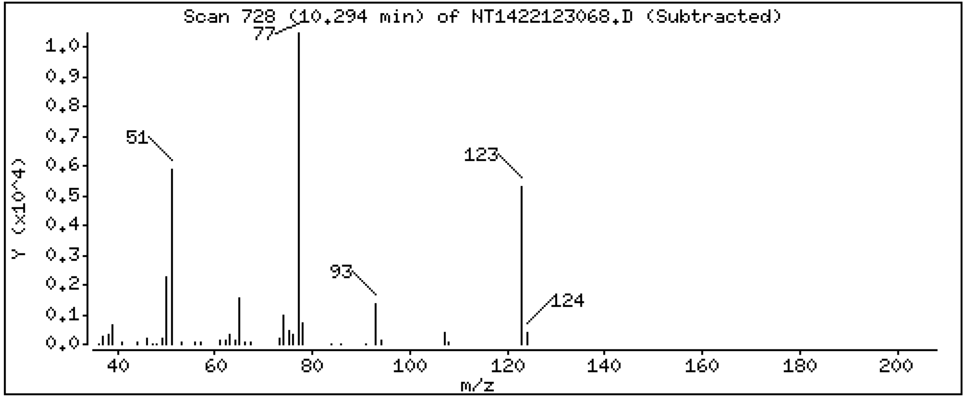
Operator: VTS

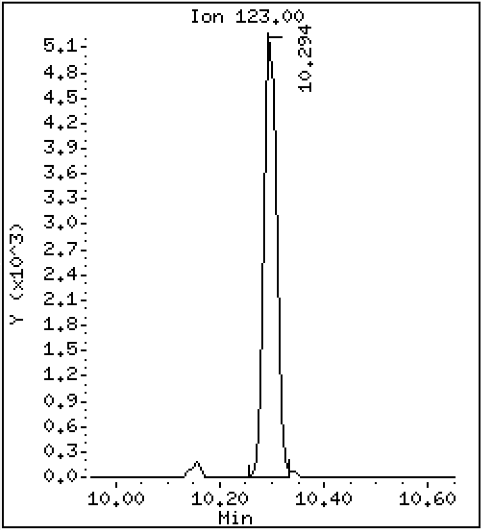
Column phase: ZB-5msi Column diameter: 0.25

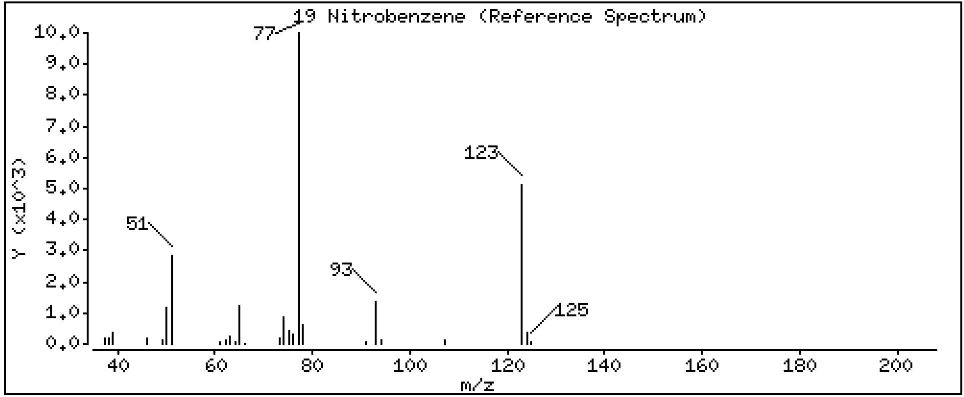
19 Nitrobenzene Concentration: 0.4693 ug/mL

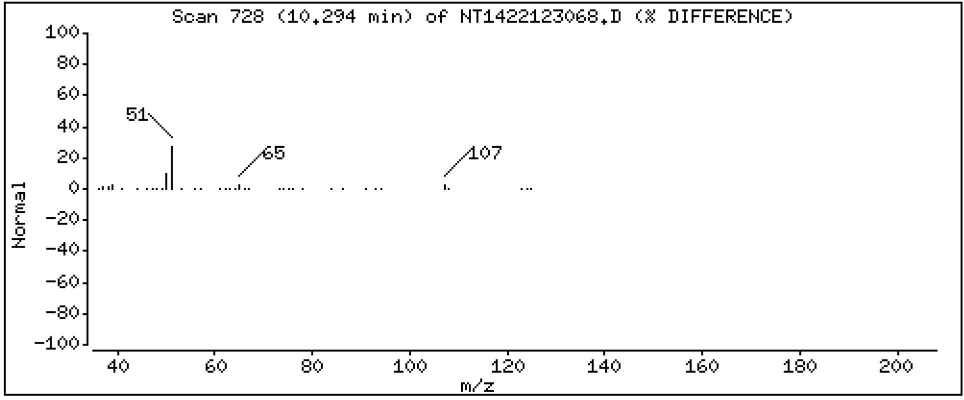


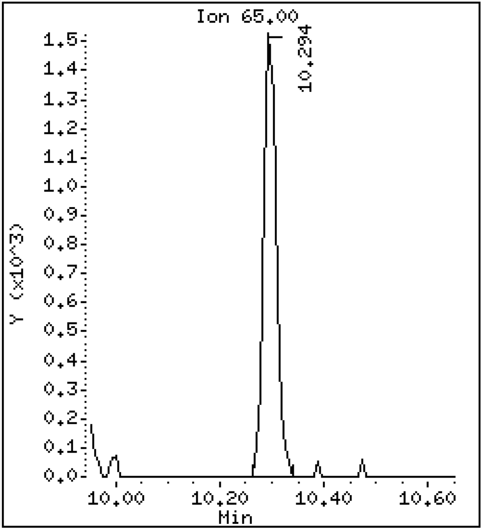












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Date : 01-JAN-2023 00:42

Client ID:

Instrument: nt14.i

Sample Info: SKL0355-LCV4

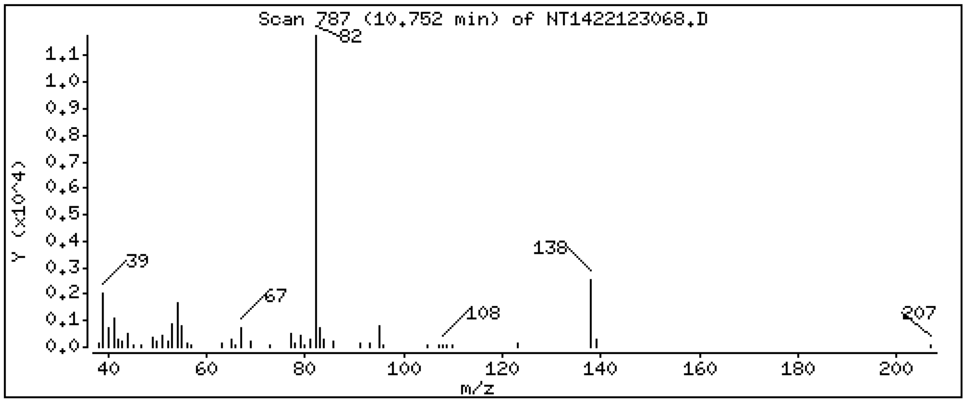
Operator: VTS

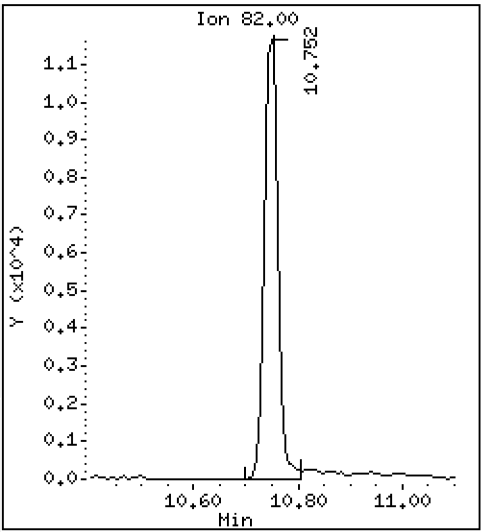
Column phase: ZB-5msi

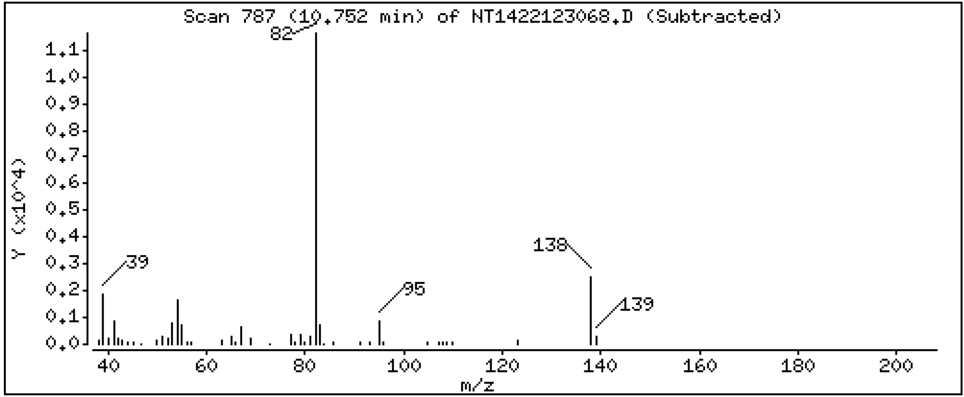
Column diameter: 0.25

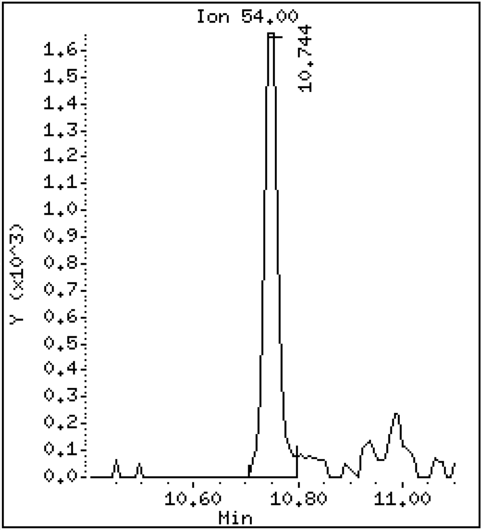
20 Isophorone

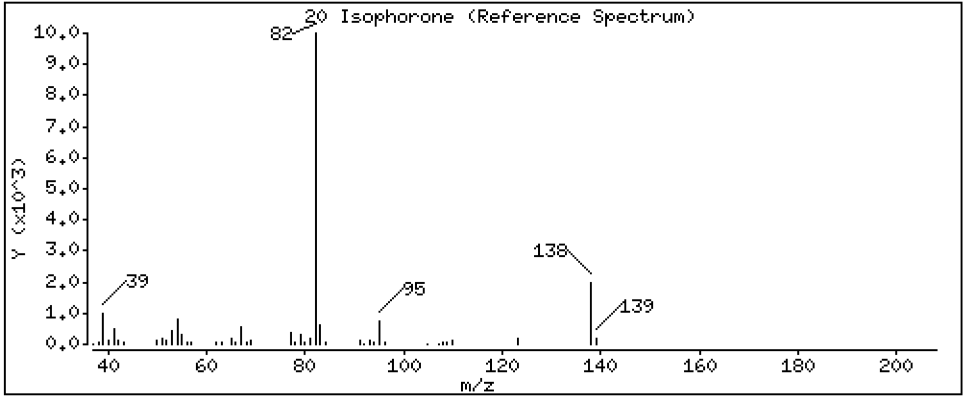
Concentration: 0.4524 ug/mL

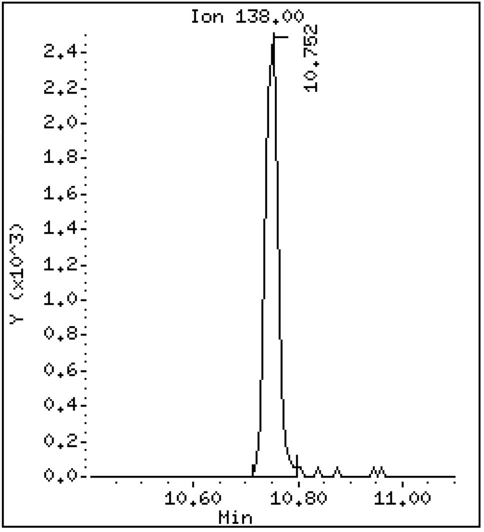


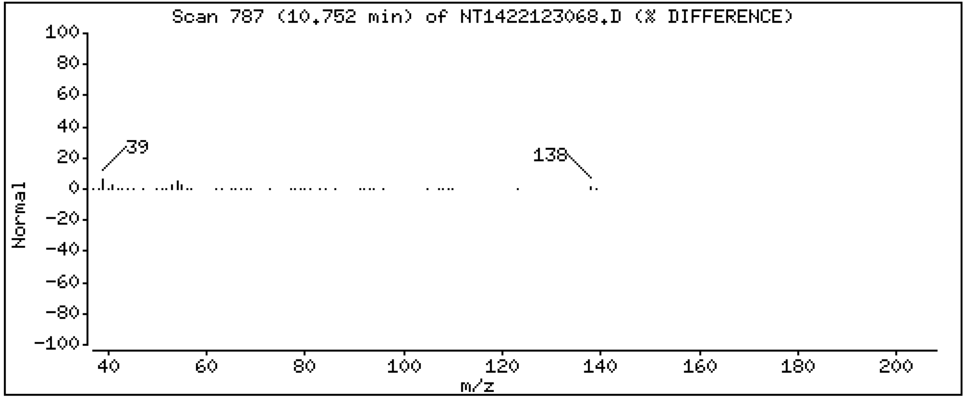












Data File: \\target\share\chem3\nt14.i\20221230C.b\NT1422123068.D

Date : 01-JAN-2023 00:42

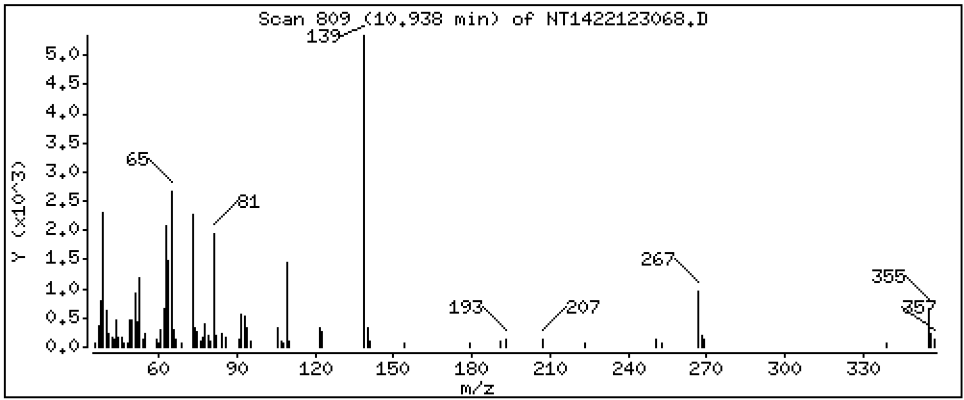
Client ID: Instrument: nt14.i

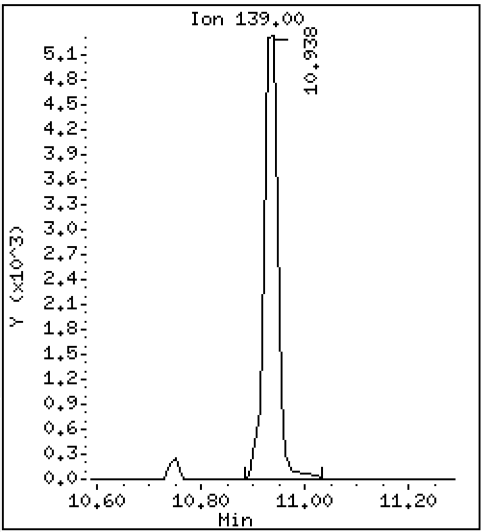
Sample Info: SKL0355-LCV4

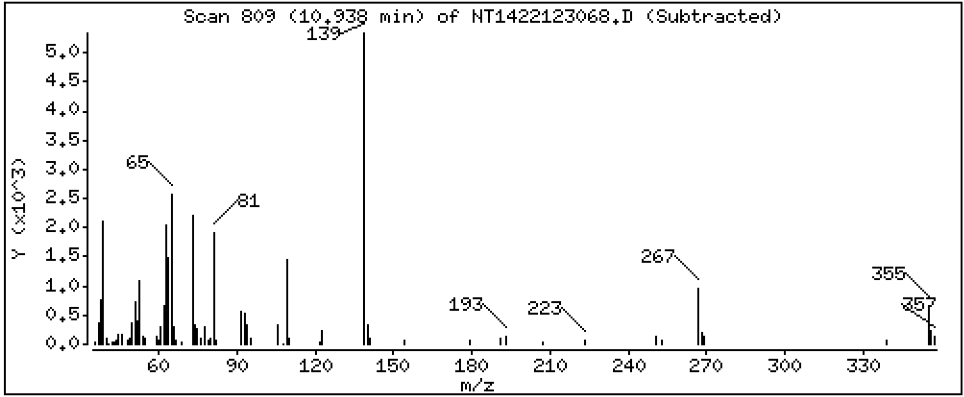
Operator: VTS

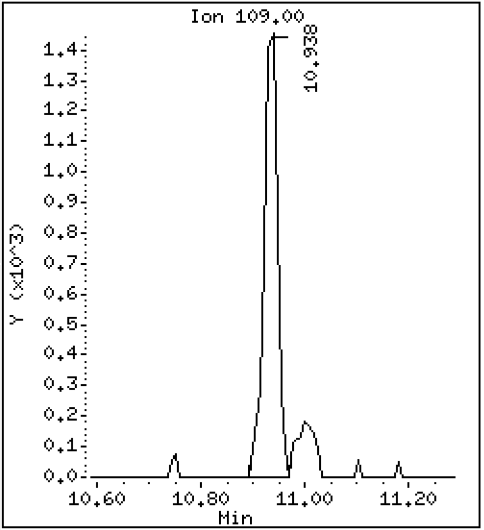
Column phase: ZB-5msi Column diameter: 0.25

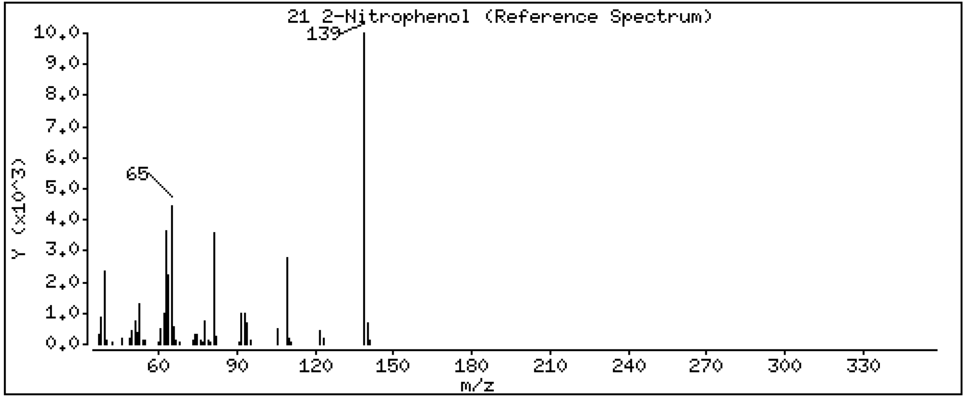
21 2-Nitrophenol Concentration: 0.4732 ug/mL

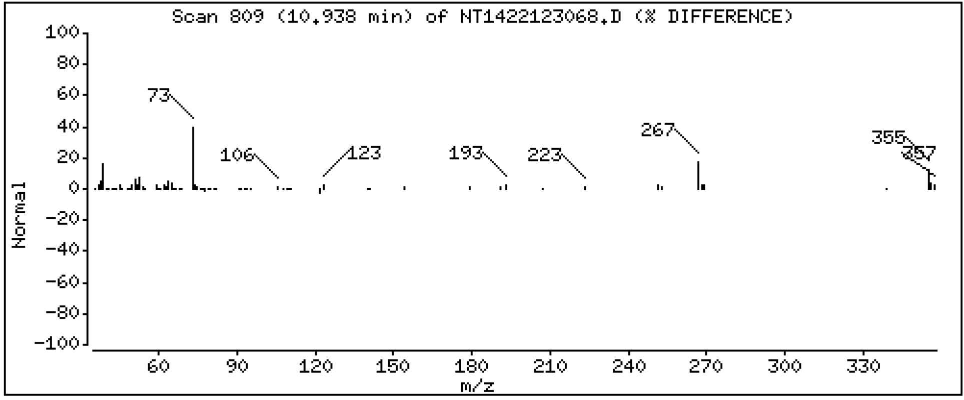


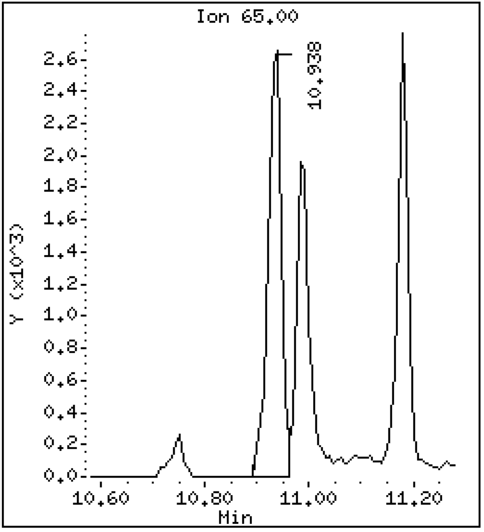












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Date : 01-JAN-2023 00:42

Client ID:

Instrument: nt14.i

Sample Info: SKL0355-LCV4

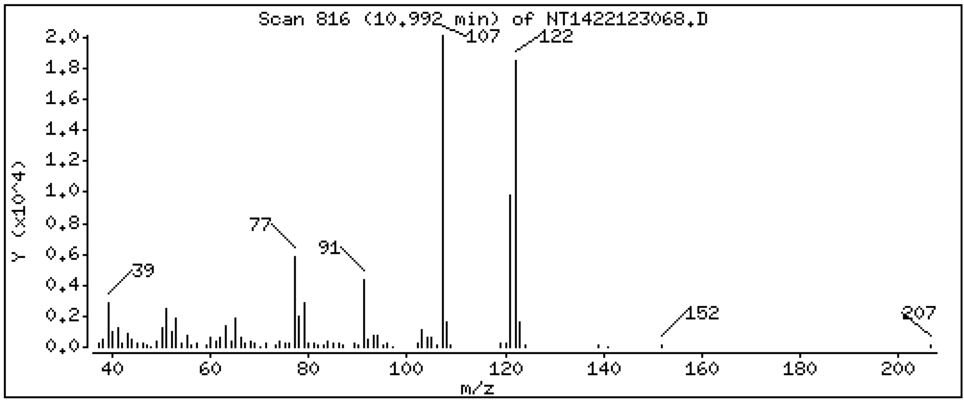
Operator: VTS

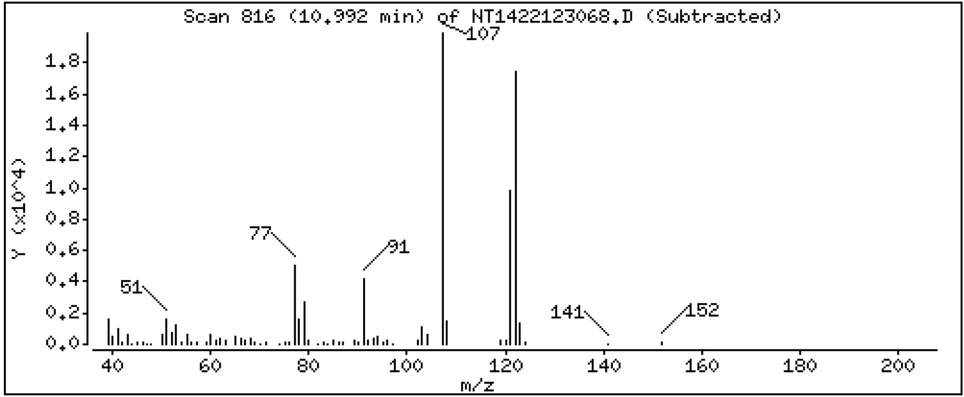
Column phase: ZB-5msi

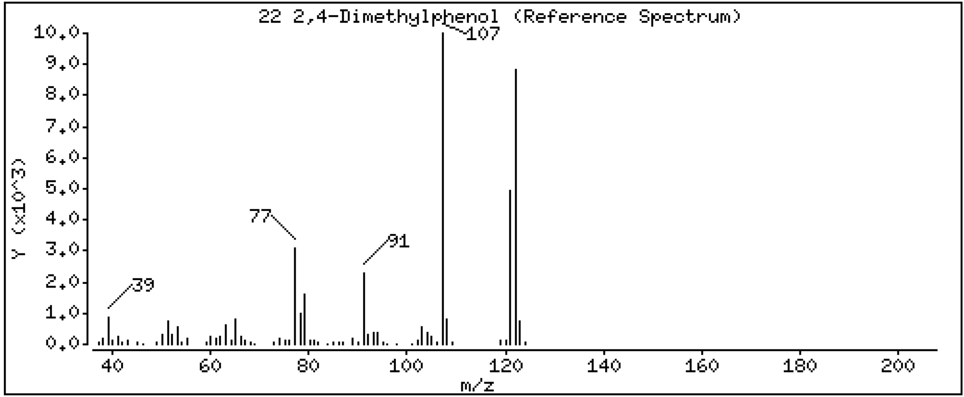
Column diameter: 0.25

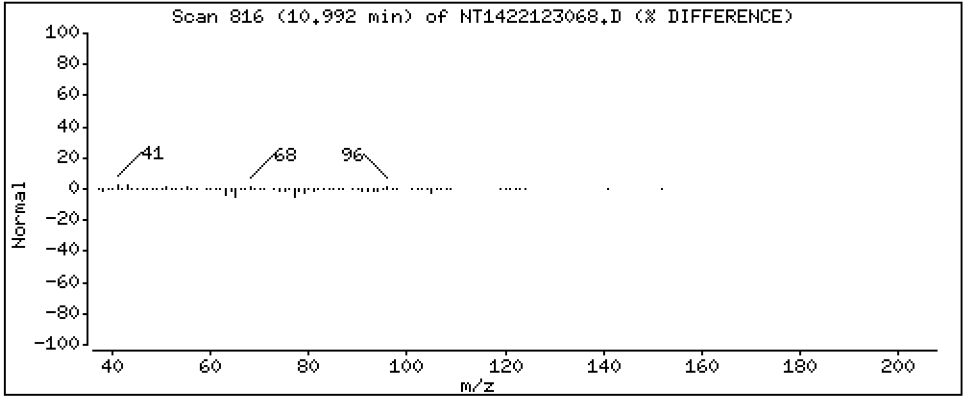
22 2,4-Dimethylphenol

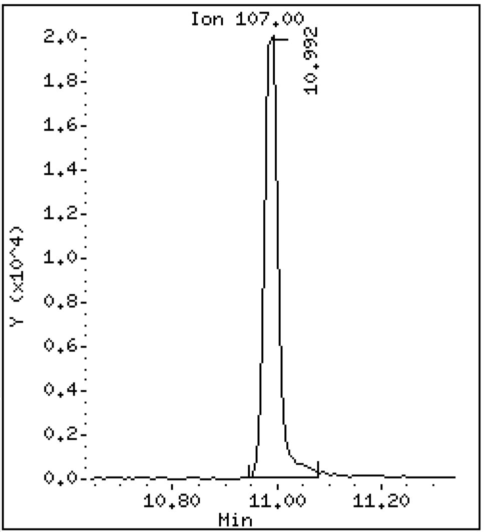
Concentration: 0.9769 ug/mL

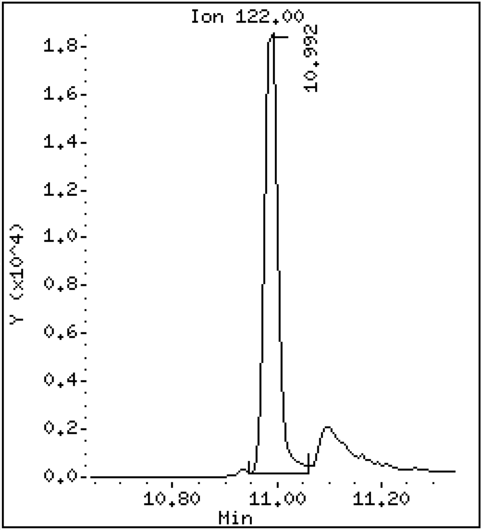


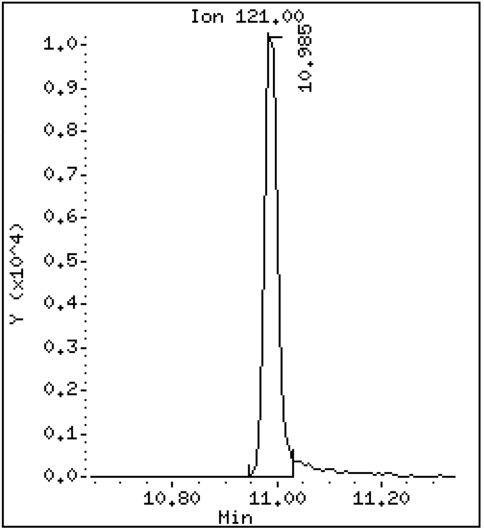












Data File: \\target\share\chem3\nt14.i\20221230C.b\NT1422123068.D

Date : 01-JAN-2023 00:42

Client ID:

Instrument: nt14.i

Sample Info: SKL0355-LCV4

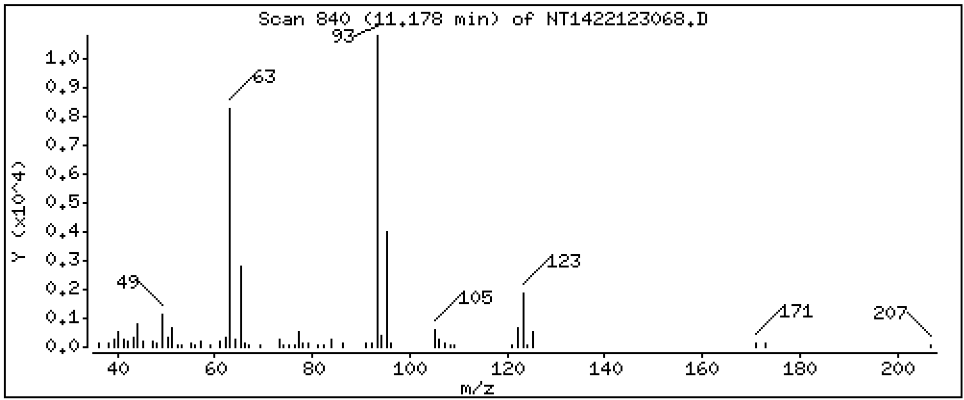
Operator: VTS

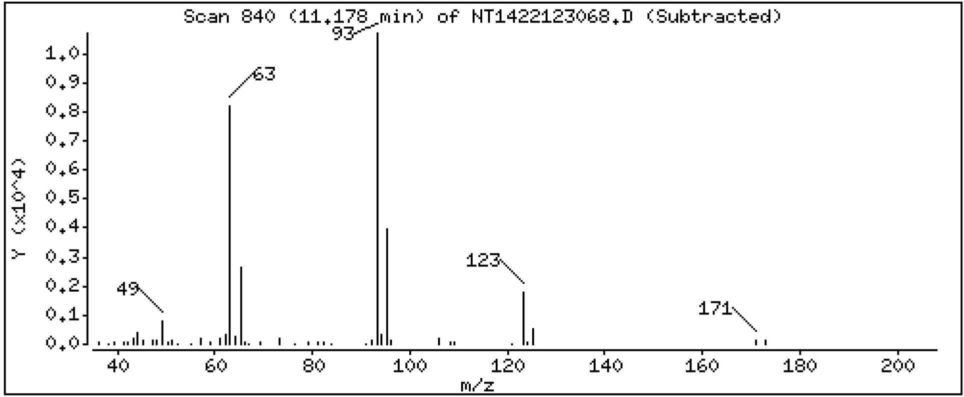
Column phase: ZB-5msi

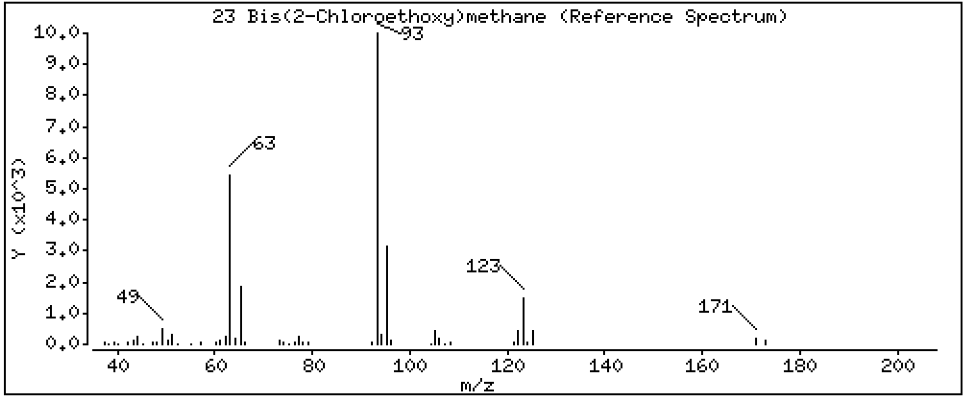
Column diameter: 0.25

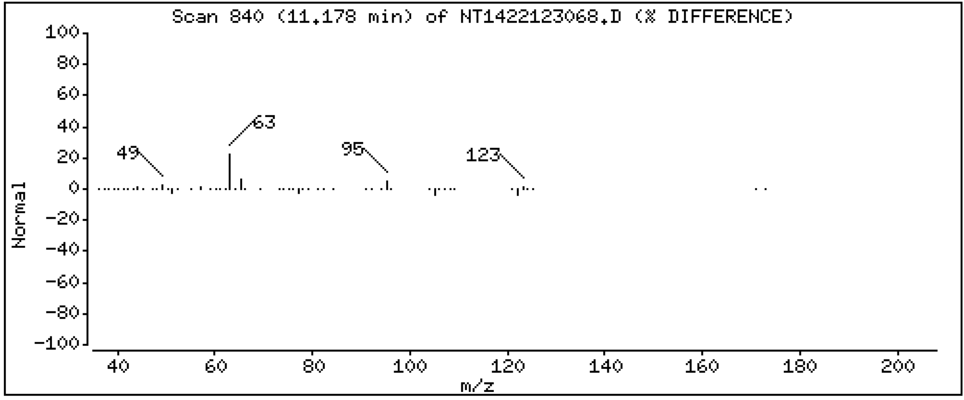
23 Bis(2-Chloroethoxy)methane

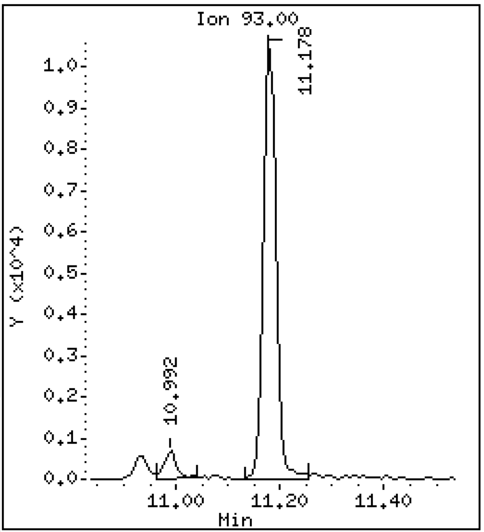
Concentration: 0.4949 ug/mL

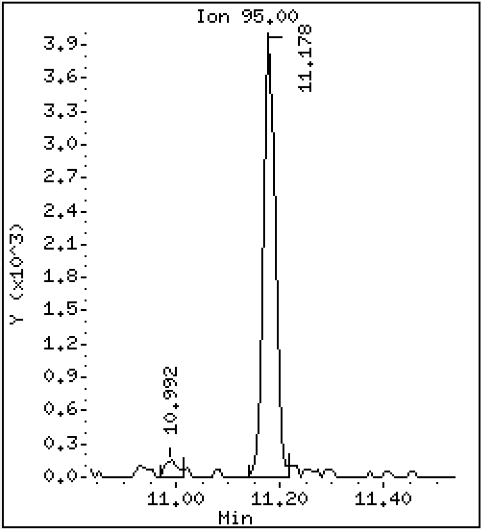

Scan 840 (11.178 min) of NT1422123068.D

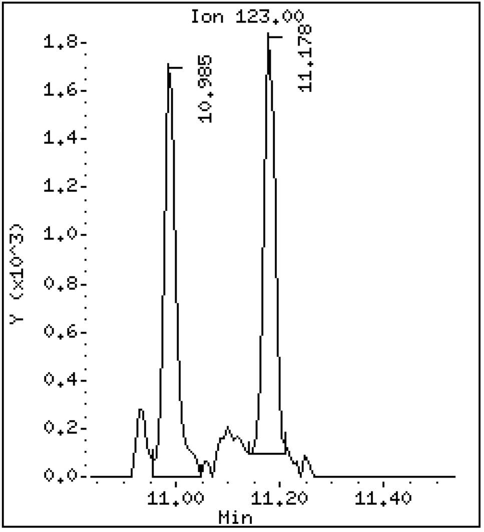

Scan 840 (11.178 min) of NT1422123068.D (Subtracted)


23 Bis(2-Chloroethoxy)methane (Reference Spectrum)


Scan 840 (11.178 min) of NT1422123068.D (% DIFFERENCE)


Ion 93.00


Ion 95.00


Ion 123.00

Data File: \\target\share\chem3\nt14.i\20221230C.b\NT1422123068.D

Date : 01-JAN-2023 00:42

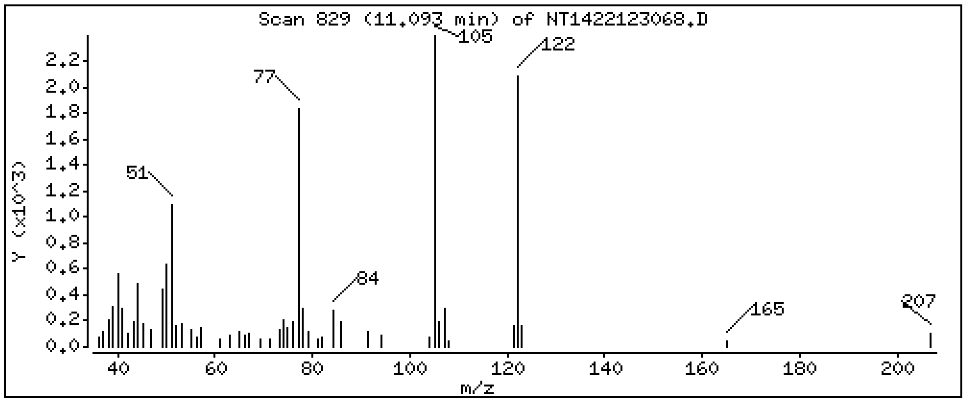
Client ID: Instrument: nt14.i

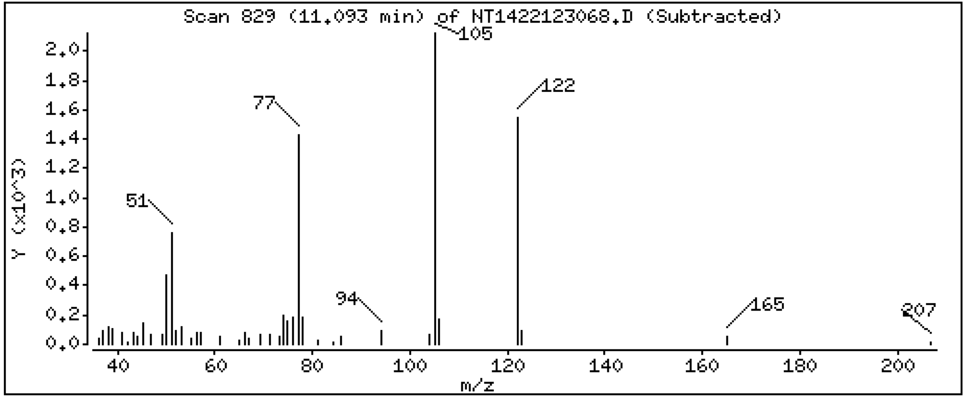
Sample Info: SKL0355-LCV4

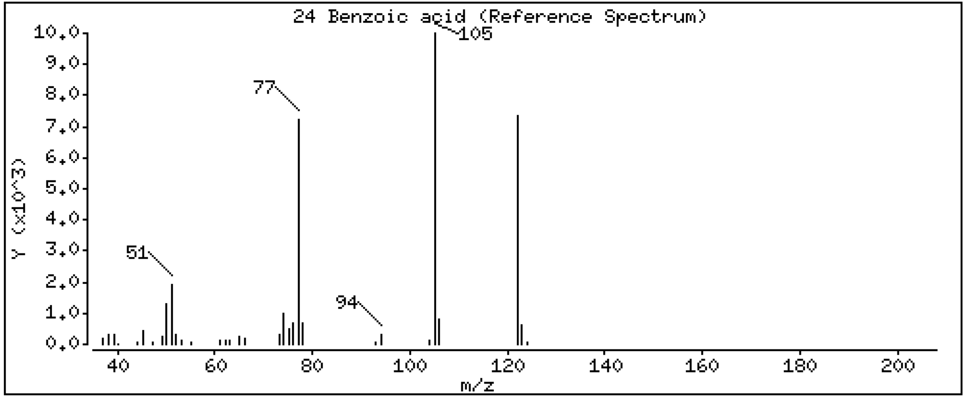
Operator: VTS

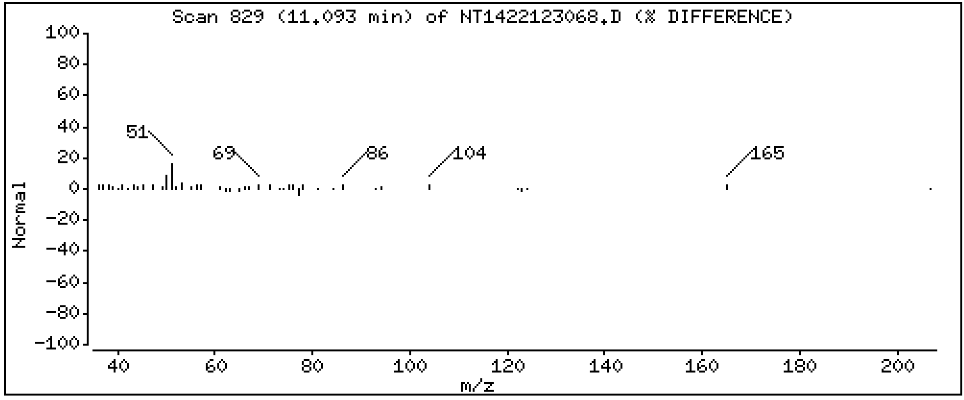
Column phase: ZB-5msi Column diameter: 0.25

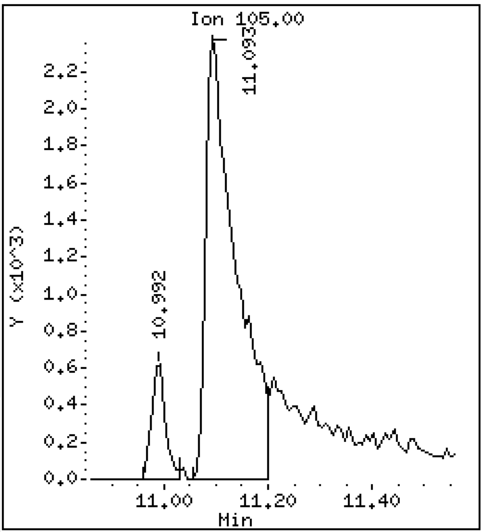
24 Benzoic acid Concentration: 0.4477 ug/mL

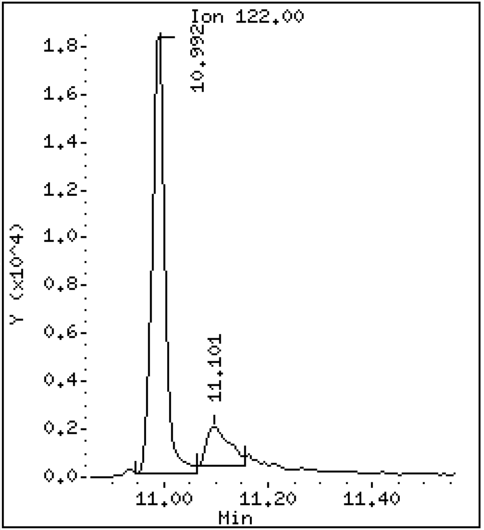

Scan 829 (11.093 min) of NT1422123068.D


Scan 829 (11.093 min) of NT1422123068.D (Subtracted)


24 Benzoic acid (Reference Spectrum)


Scan 829 (11.093 min) of NT1422123068.D (% DIFFERENCE)


Ion 105.00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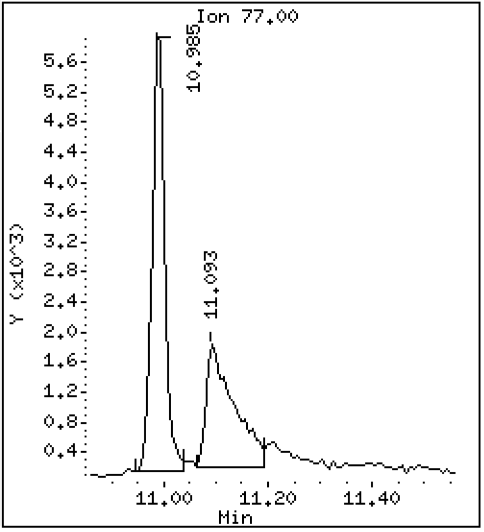

Ion 77.00

Data File: \\target\share\chem3\nt14.i\20221230C.b\NT1422123068.D

Date : 01-JAN-2023 00:42

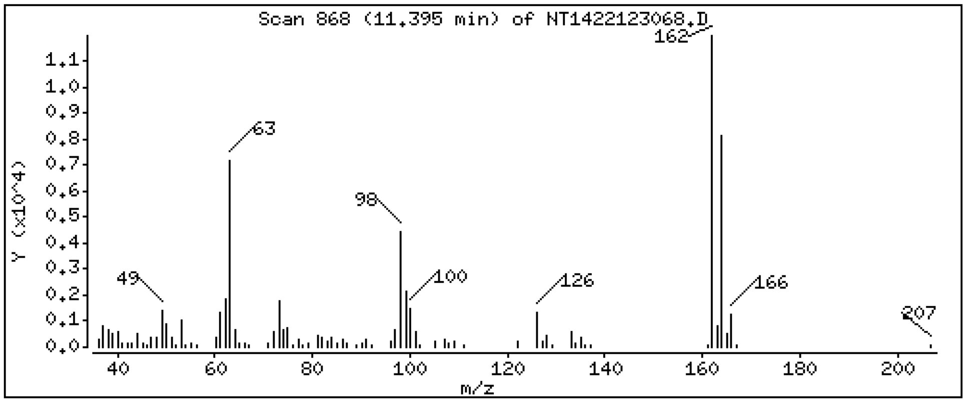
Client ID: Instrument: nt14.i

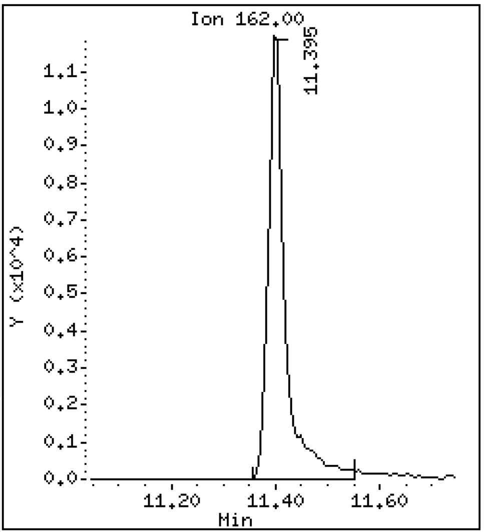
Sample Info: SKL0355-LCV4

Operator: VTS

Column phase: ZB-5msi Column diameter: 0.25

25 2,4-Dichlorophenol Concentration: 0.9599 ug/mL


Scan 868 (11.395 min) of NT1422123068.D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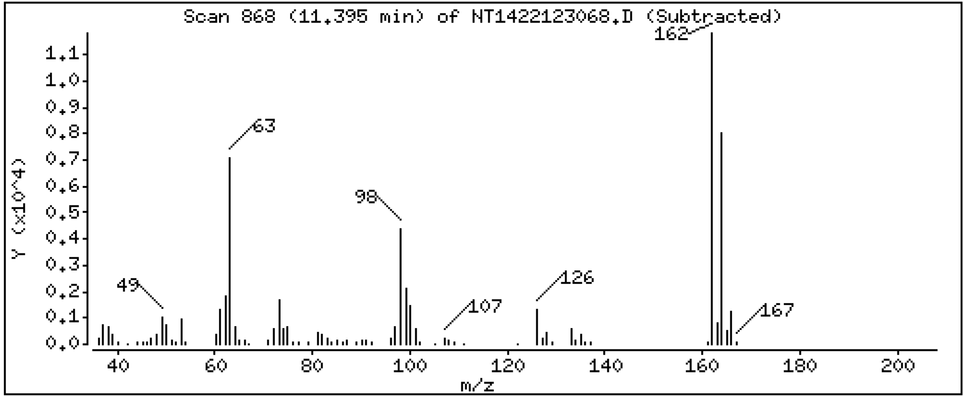
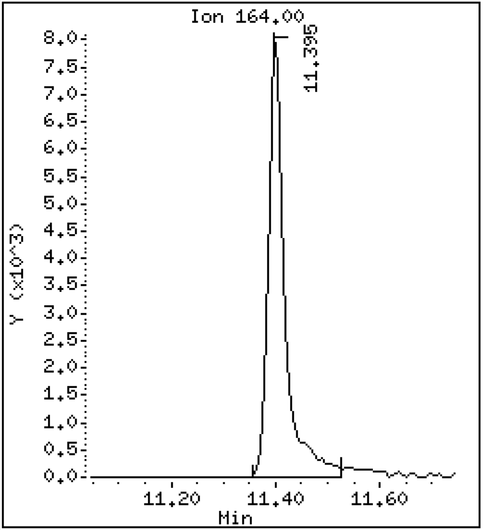

Scan 868 (11.395 min) of NT1422123068.D (Subtracted)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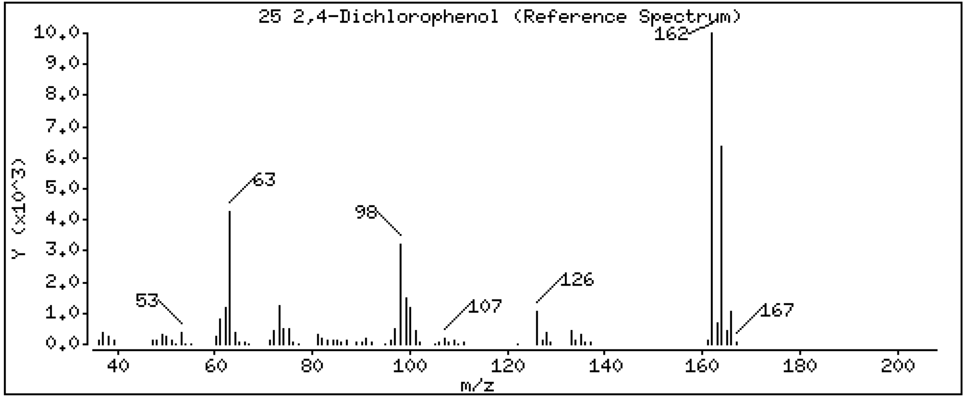
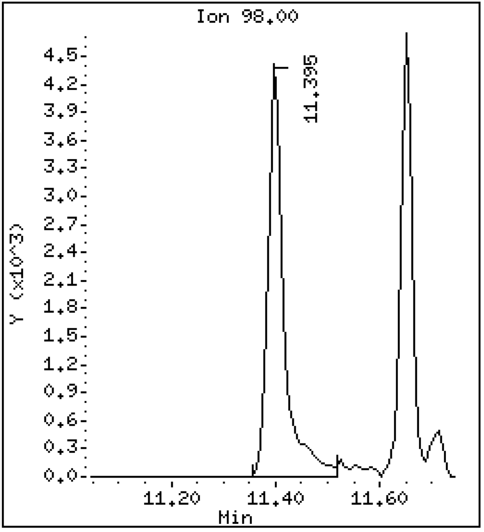
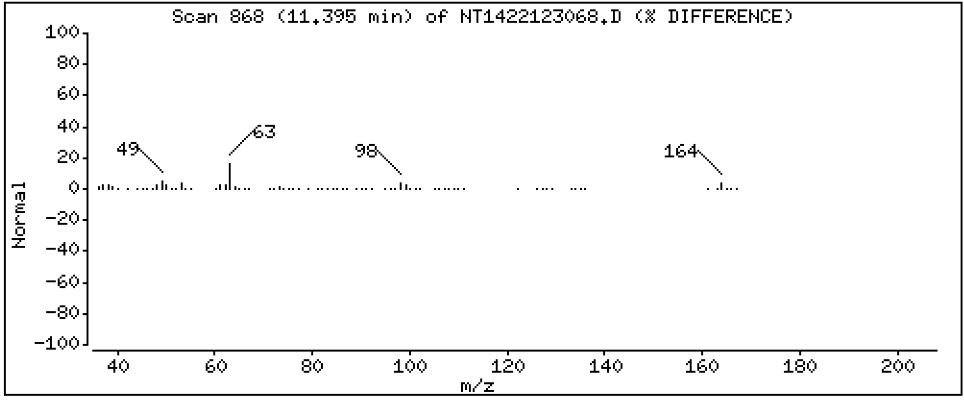

25 2,4-Dichlorophenol (Reference Spectrum)


Ion 98.00


Scan 868 (11.395 min) of NT1422123068.D (% DIFFERENCE)

Data File: \\target\share\chem3\nt14.i\20221230C.b\NT1422123068.D

Date : 01-JAN-2023 00:42

Client ID:

Instrument: nt14.i

Sample Info: SKL0355-LCV4

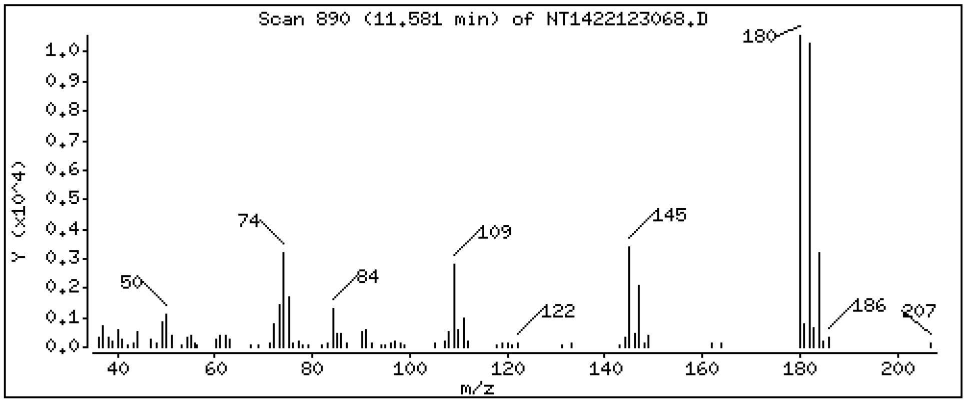
Operator: VTS

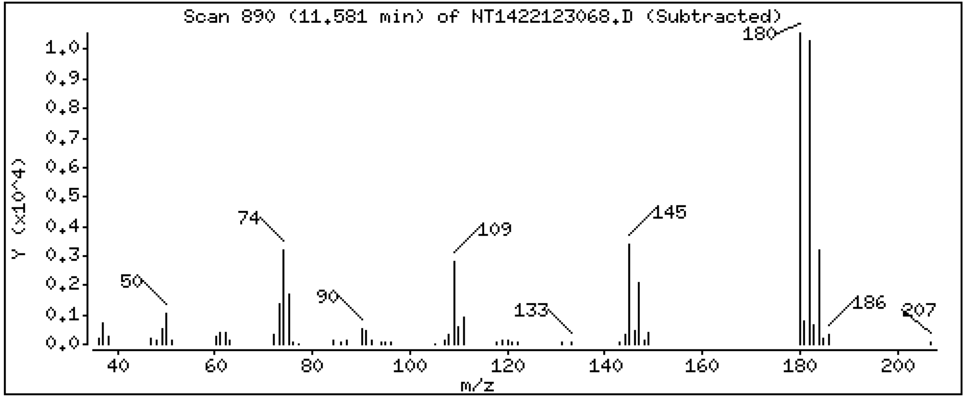
Column phase: ZB-5msi

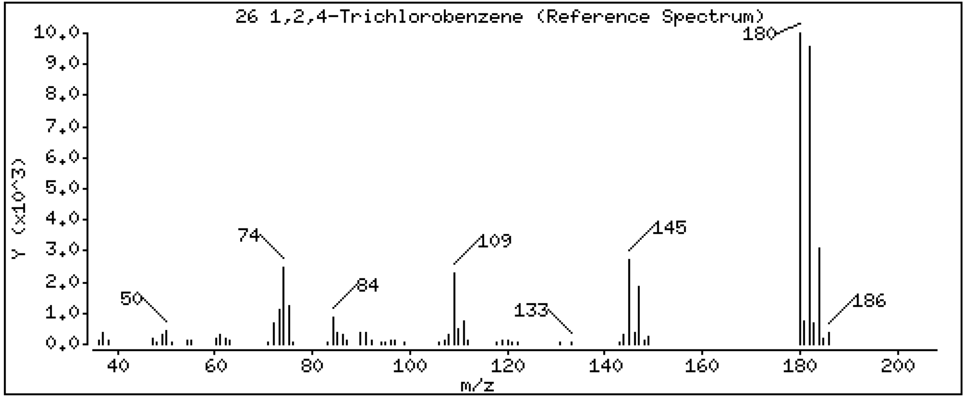
Column diameter: 0.25

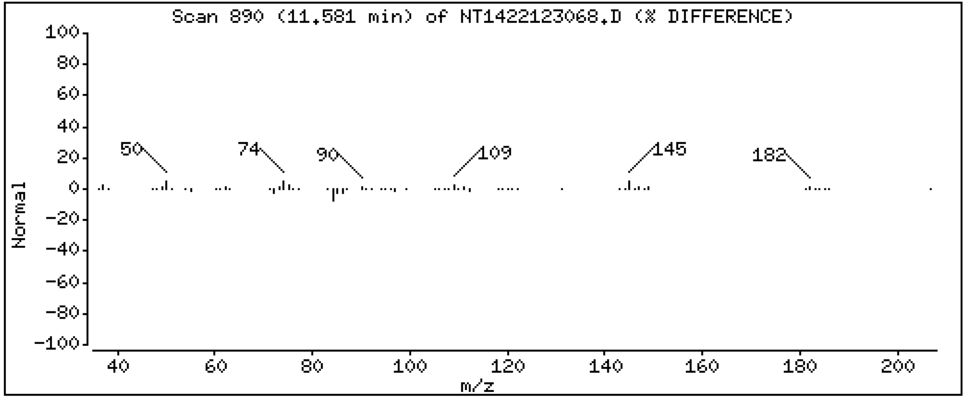
26 1,2,4-Trichlorobenzene

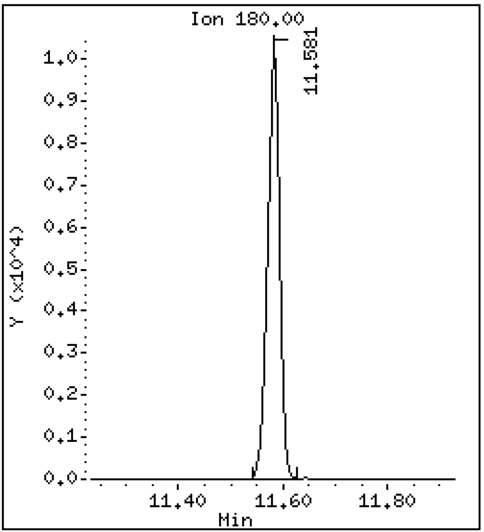
Concentration: 0.4890 ug/mL


Scan 890 (11.581 min) of NT1422123068.D


Scan 890 (11.581 min) of NT1422123068.D (Subtracted)


26 1,2,4-Trichlorobenzene (Reference Spectrum)


Scan 890 (11.581 min) of NT1422123068.D (% DIFFERENCE)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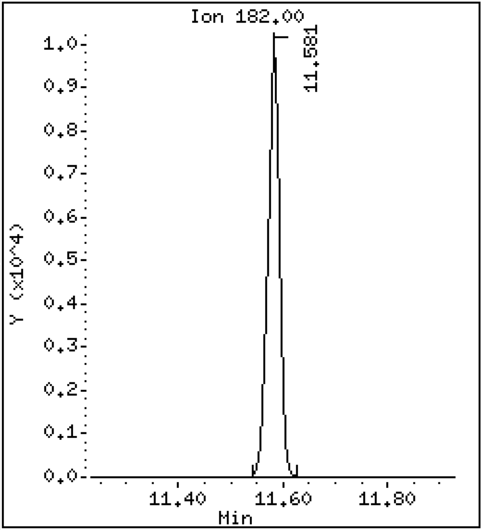
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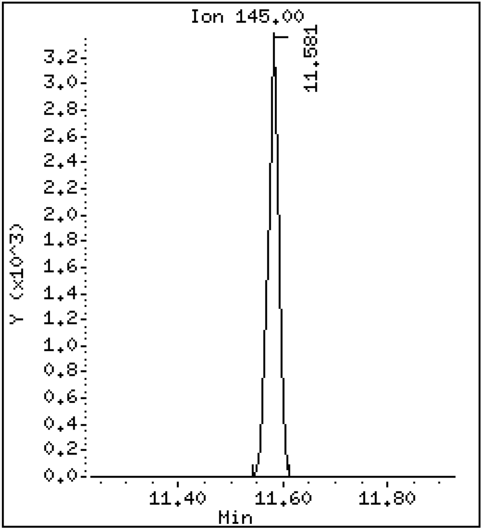

Ion 145.00

Data File: \\target\share\chem3\nt14.i\20221230C.b\NT1422123068.D Page 22

Date : 01-JAN-2023 00:42

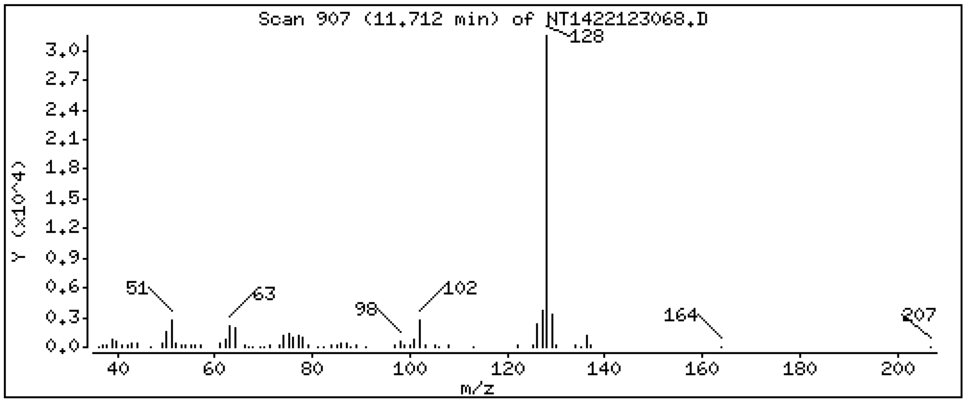
Client ID: Instrument: nt14.i

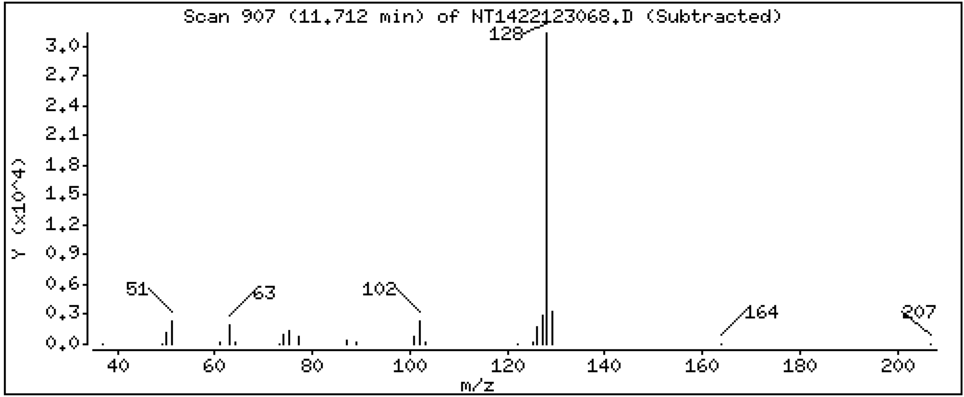
Sample Info: SKL0355-LCV4

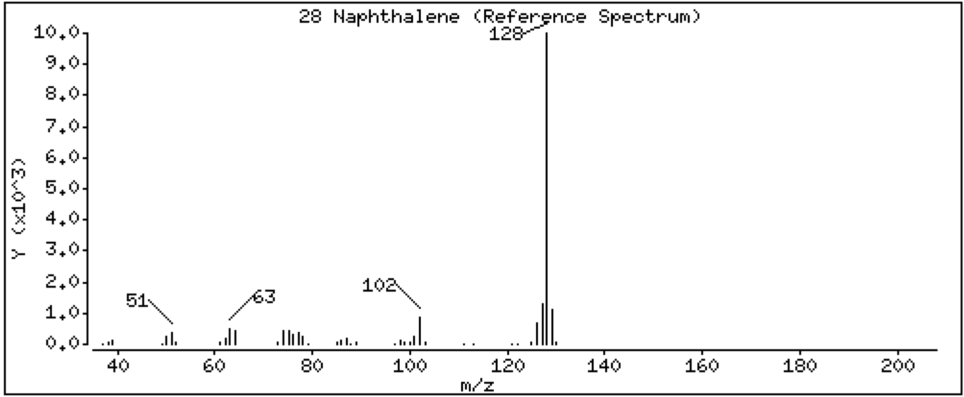
Operator: VTS

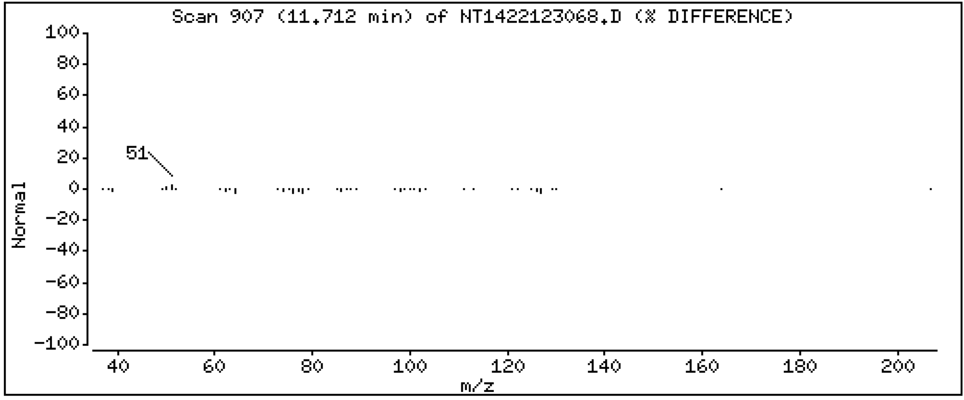
Column phase: ZB-5msi Column diameter: 0.25

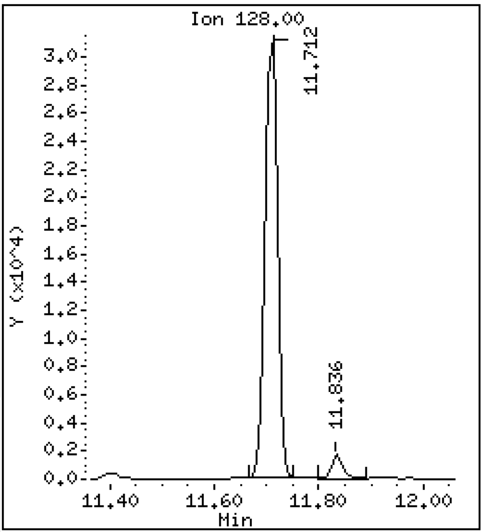
28 Naphthalene Concentration: 0.4854 ug/mL

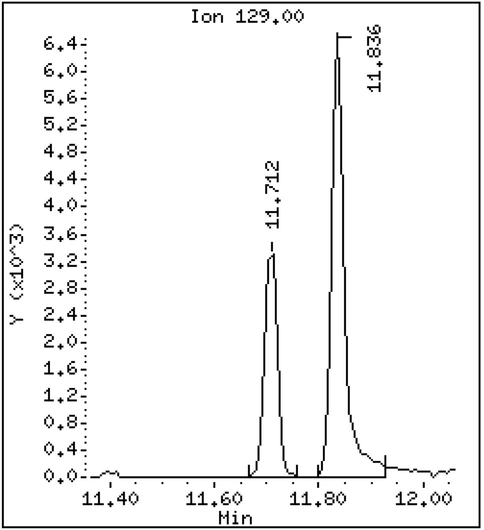

Scan 907 (11.712 min) of NT1422123068.D


Scan 907 (11.712 min) of NT1422123068.D (Subtracted)


28 Naphthalene (Reference Spectrum)


Scan 907 (11.712 min) of NT1422123068.D (% DIFFERENCE)


Ion 128.00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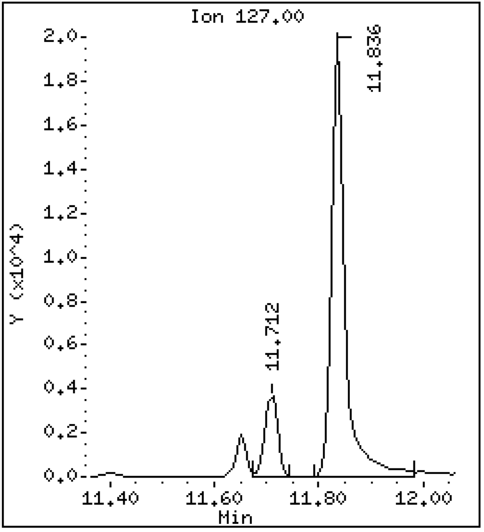

Ion 127.00

Data File: \\target\share\chem3\nt14.i\20221230C.b\NT1422123068.D

Date : 01-JAN-2023 00:42

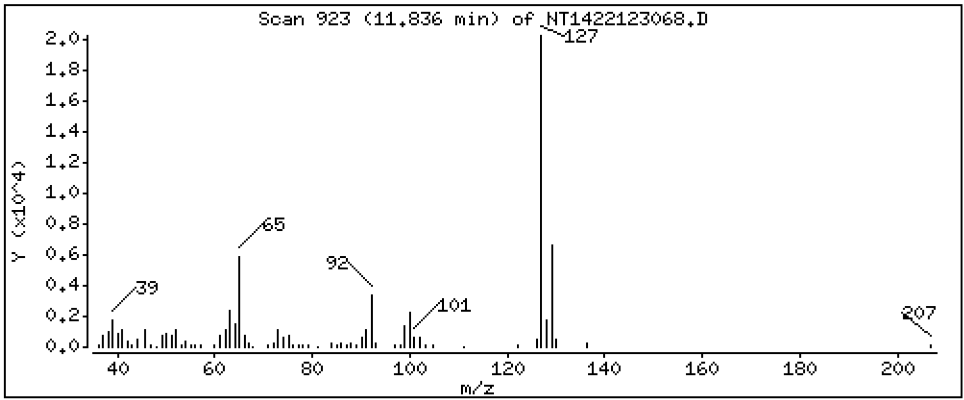
Client ID: Instrument: nt14.i

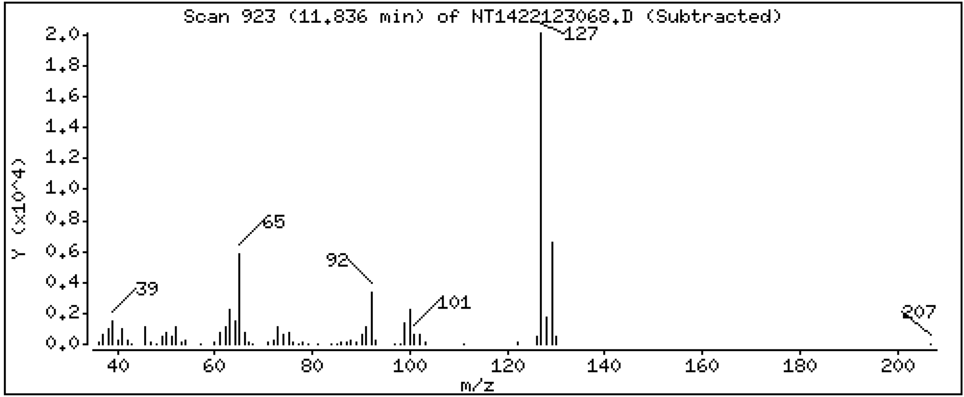
Sample Info: SKL0355-LCV4

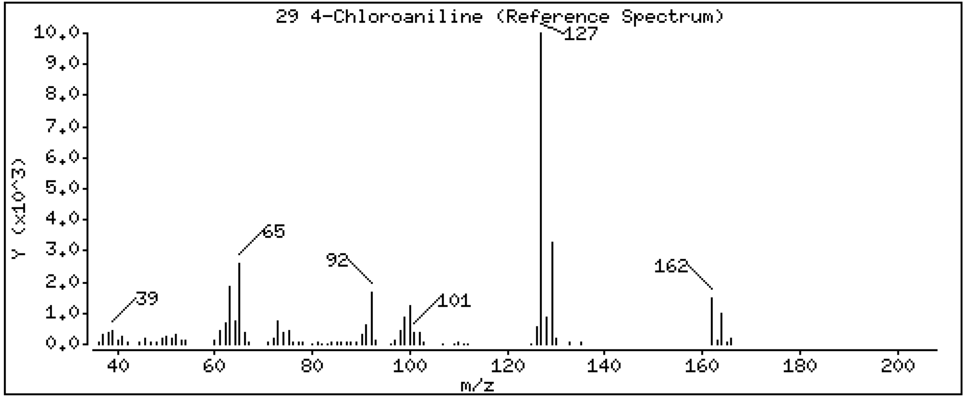
Operator: VTS

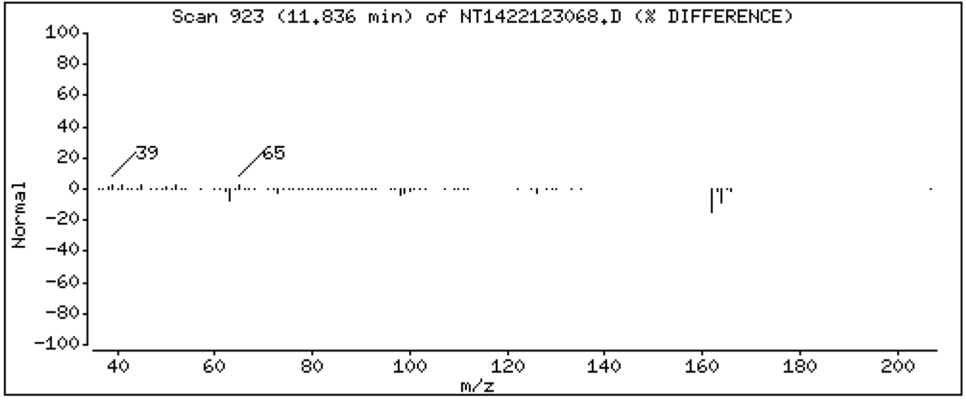
Column phase: ZB-5msi Column diameter: 0.25

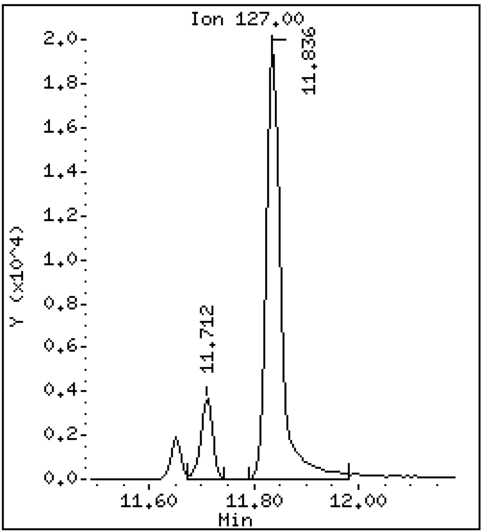
29 4-Chloroaniline Concentration: 0.8885 ug/mL


Scan 923 (11.836 min) of NT1422123068.D


Scan 923 (11.836 min) of NT1422123068.D (Subtracted)


29 4-Chloroaniline (Reference Spectrum)


Scan 923 (11.836 min) of NT1422123068.D (% DIFFERENCE)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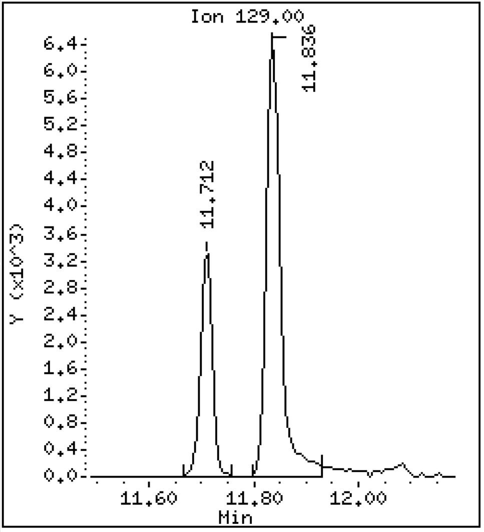
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Date : 01-JAN-2023 00:42

Client ID:

Instrument: nt14.i

Sample Info: SKL0355-LCV4

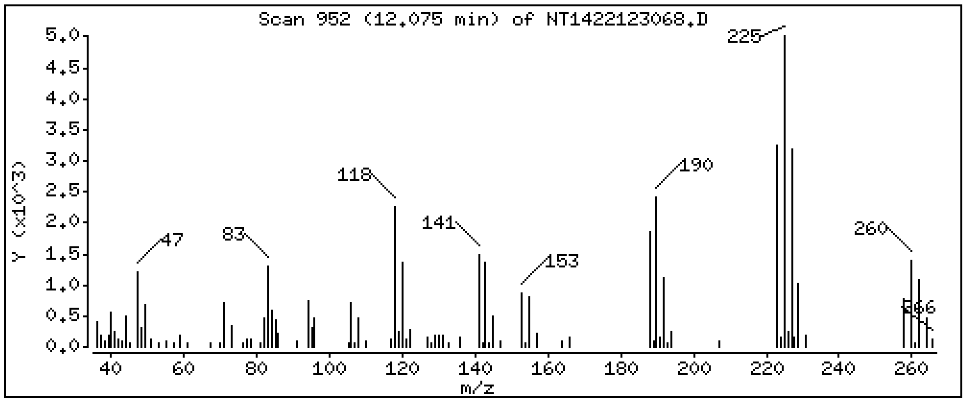
Operator: VTS

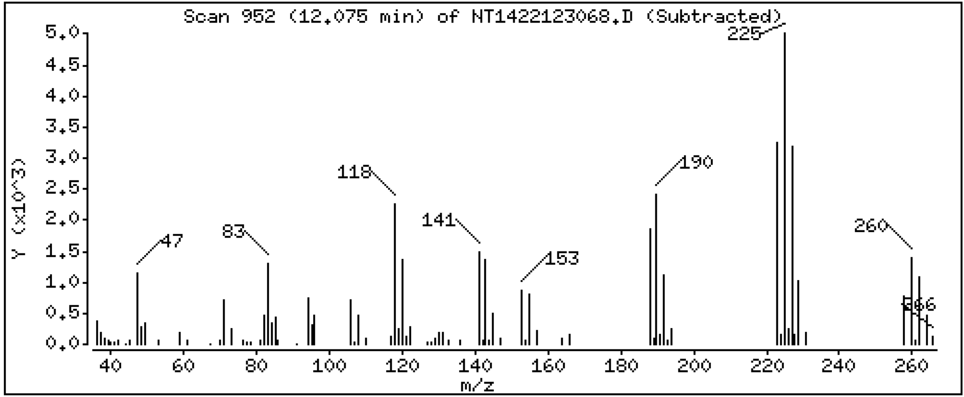
Column phase: ZB-5msi

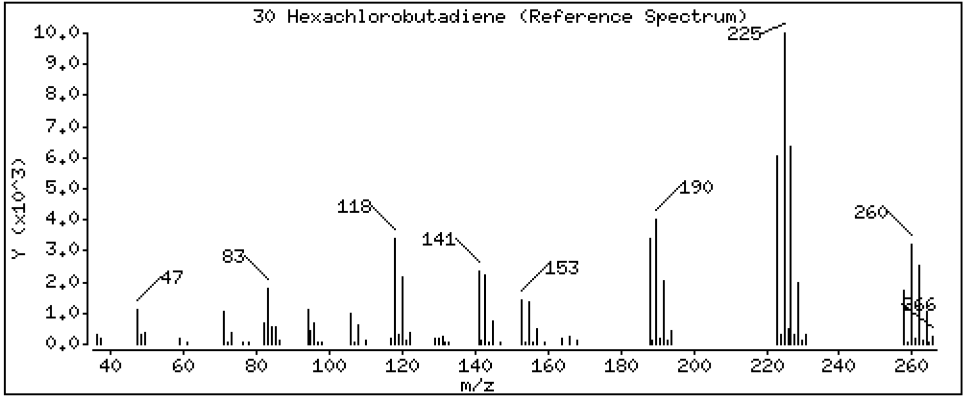
Column diameter: 0.25

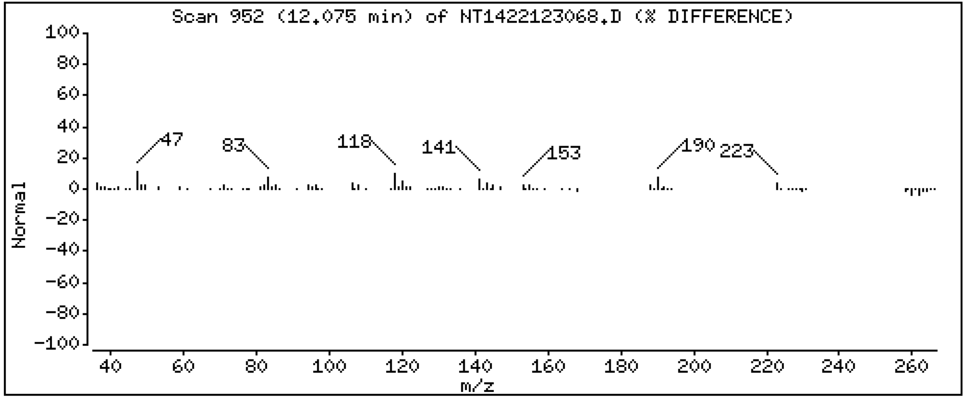
30 Hexachlorobutadiene

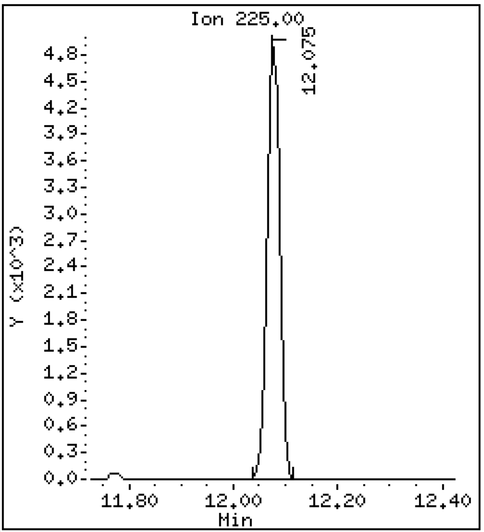
Concentration: 0.4777 ug/mL

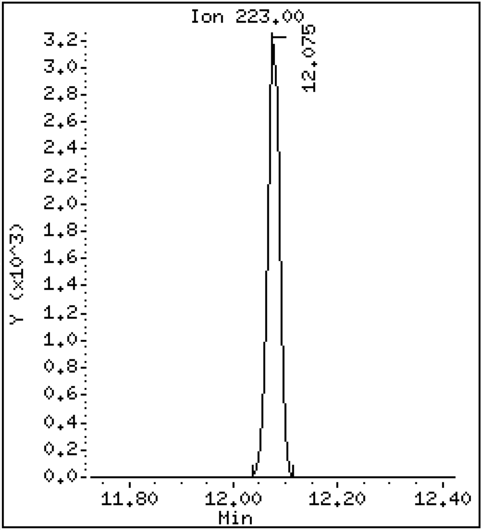


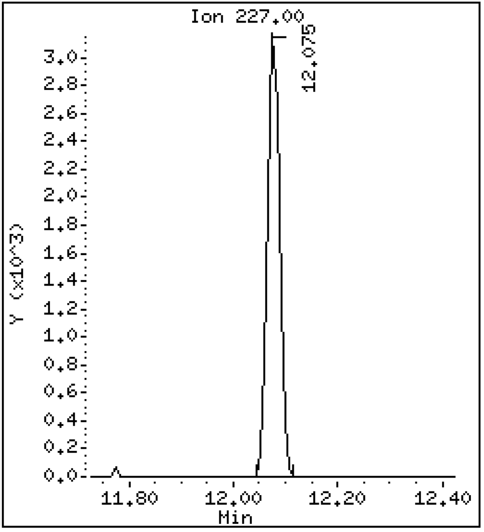












Data File: \\target\share\chem3\nt14.i\20221230C.b\NT1422123068.D

Date : 01-JAN-2023 00:42

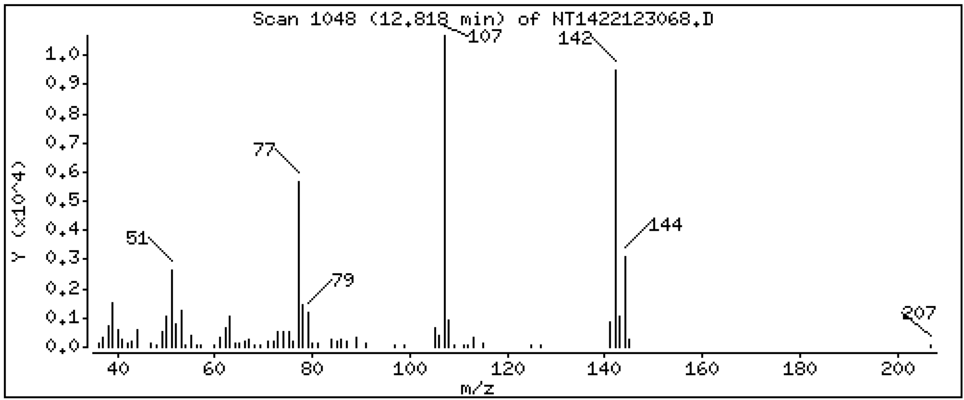
Client ID: Instrument: nt14.i

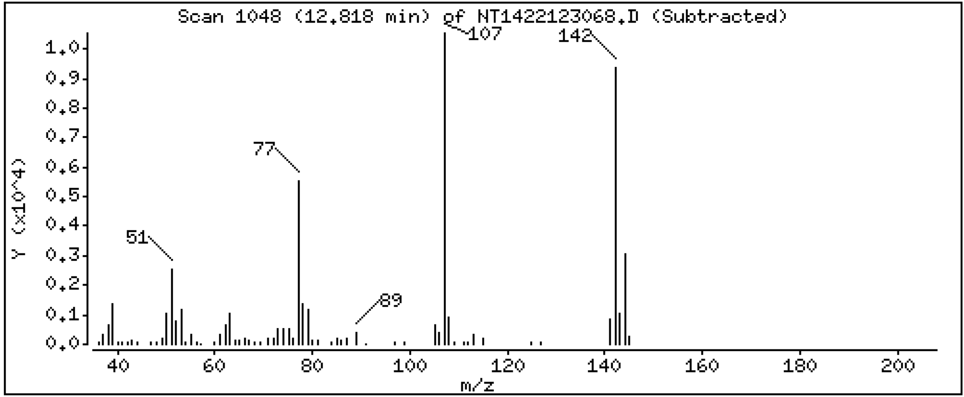
Sample Info: SKL0355-LCV4

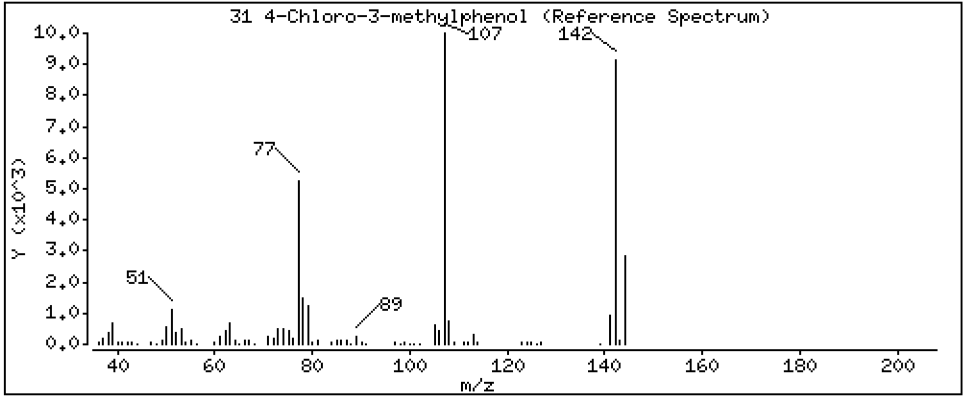
Operator: VTS

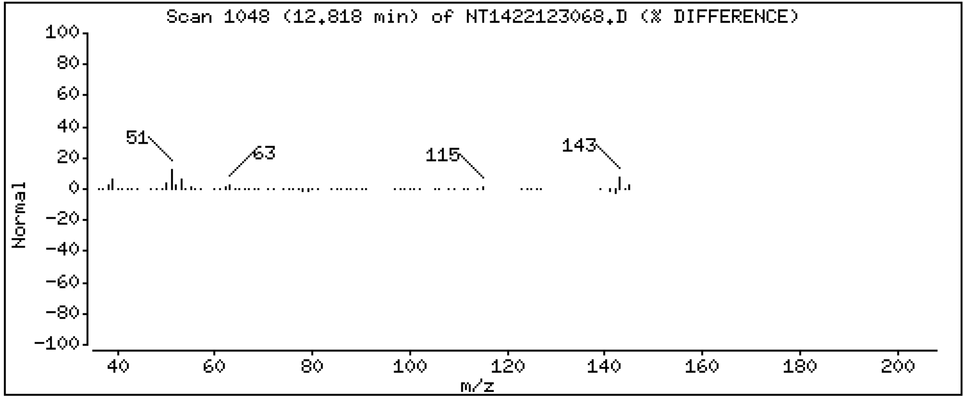
Column phase: ZB-5msi Column diameter: 0.25

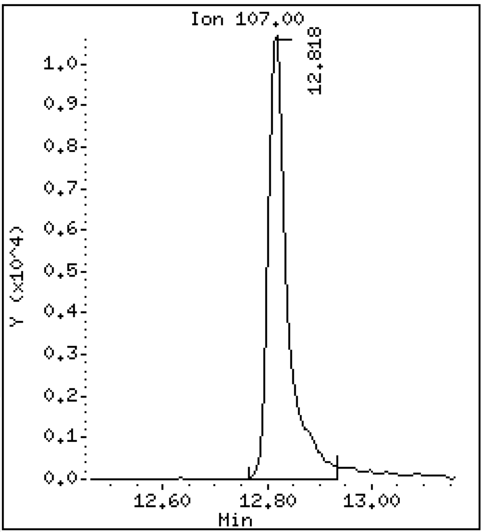
31 4-Chloro-3-methylphenol Concentration: 0.9495 ug/mL

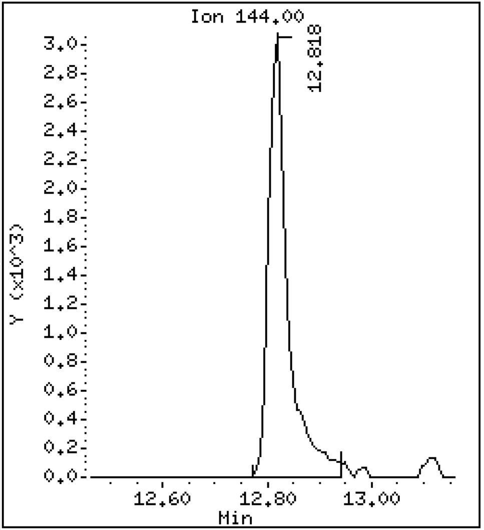

Scan 1048 (12.818 min) of NT1422123068.D


Scan 1048 (12.818 min) of NT1422123068.D (Subtracted)


31 4-Chloro-3-methylphenol (Reference Spectrum)


Scan 1048 (12.818 min) of NT1422123068.D (% DIFFERENCE)


Ion 107.00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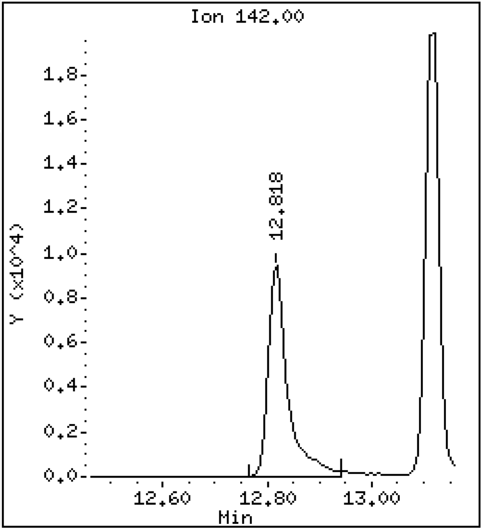

Ion 142.00

Date : 01-JAN-2023 00:42

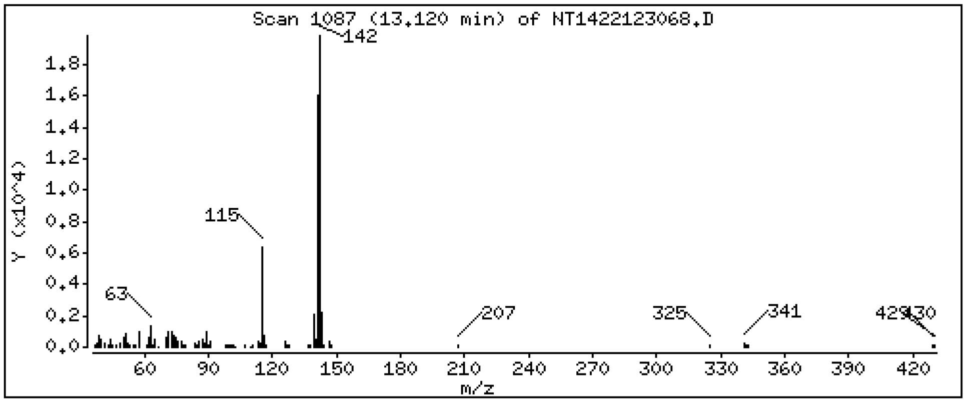
Client ID: Instrument: nt14.i

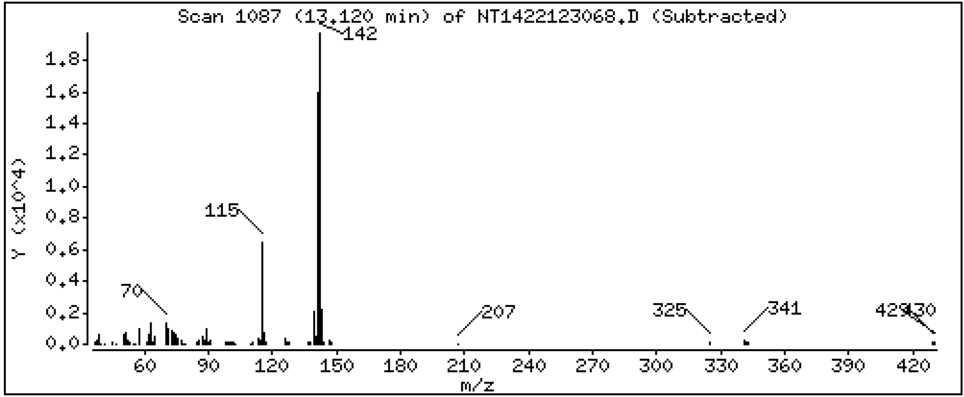
Sample Info: SKL0355-LCV4

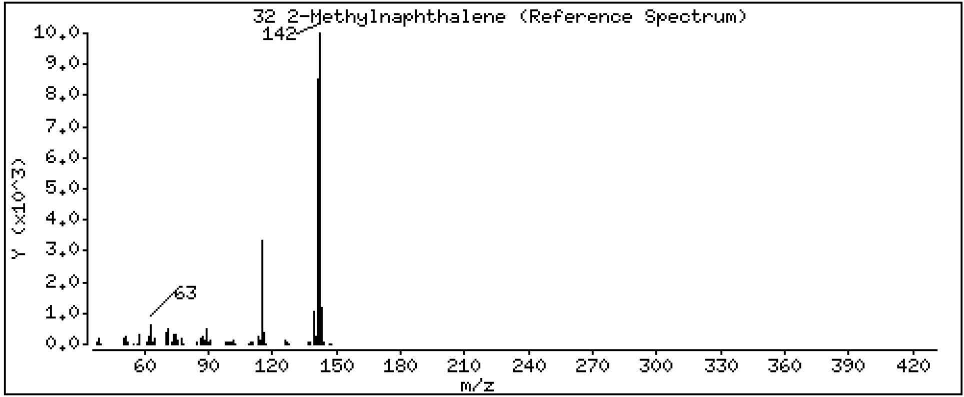
Operator: VTS

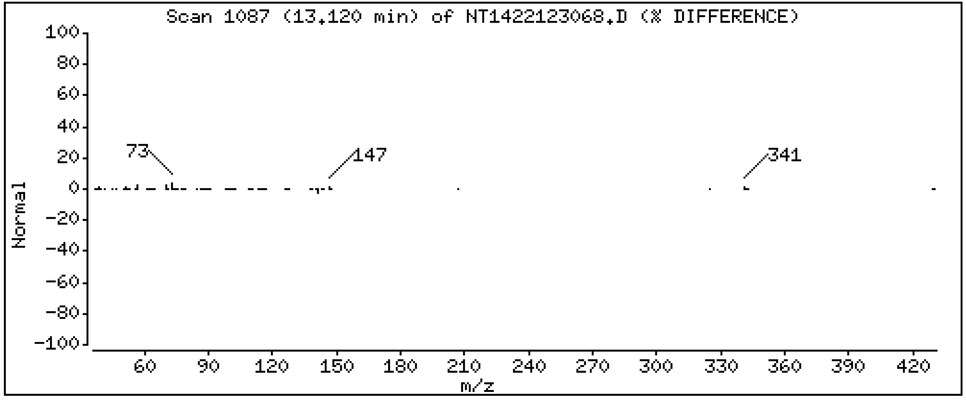
Column phase: ZB-5msi Column diameter: 0.25

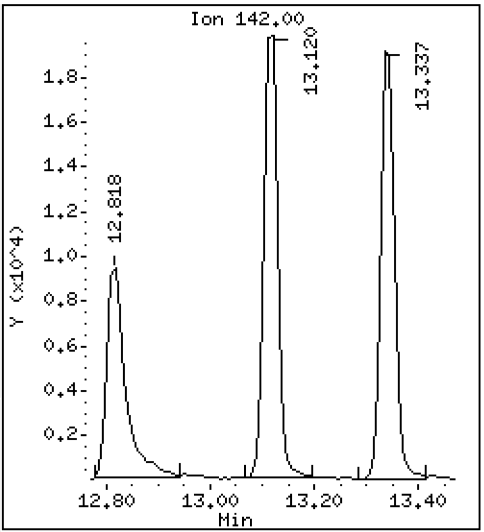
32 2-Methylnaphthalene Concentration: 0.4656 ug/mL

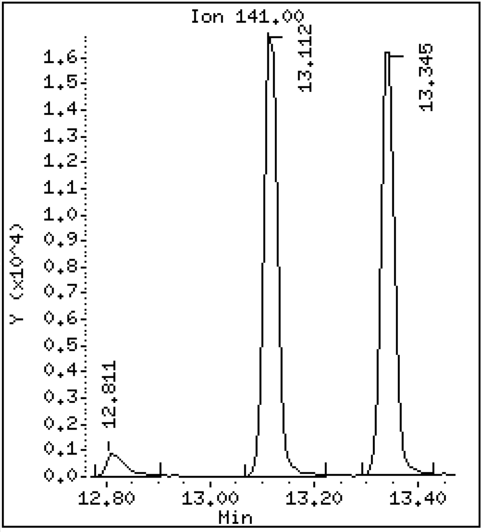












Data File: \\target\share\chem3\nt14.i\20221230C.b\NT1422123068.D

Date : 01-JAN-2023 00:42

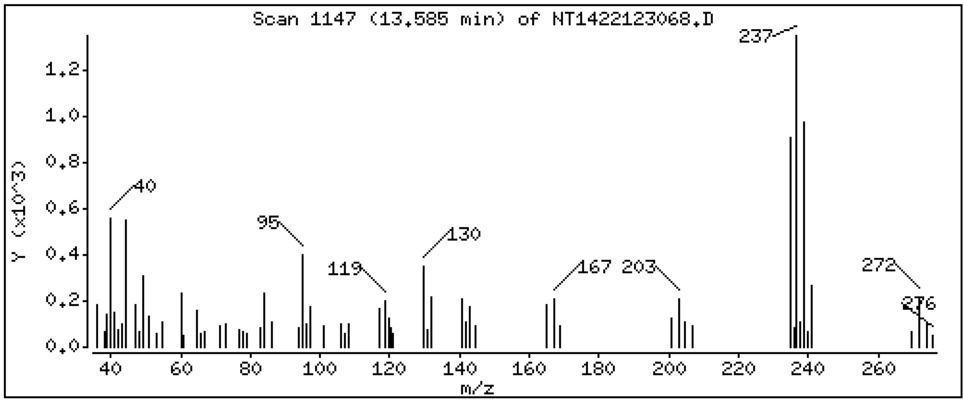
Client ID: Instrument: nt14.i

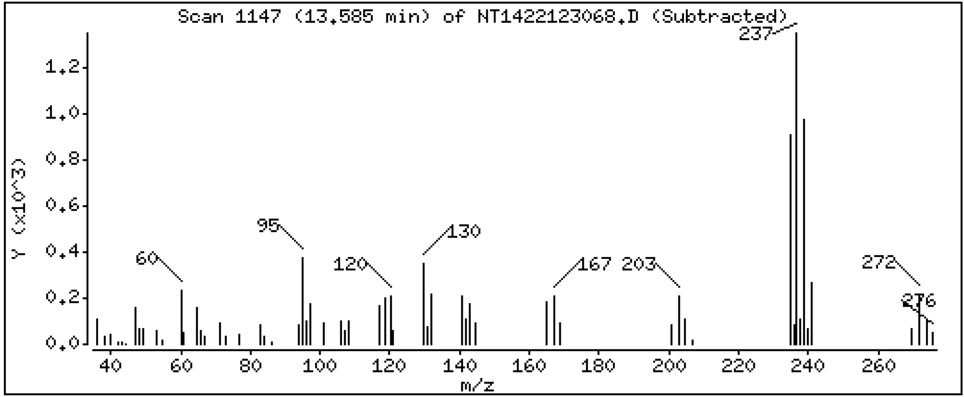
Sample Info: SKL0355-LCV4

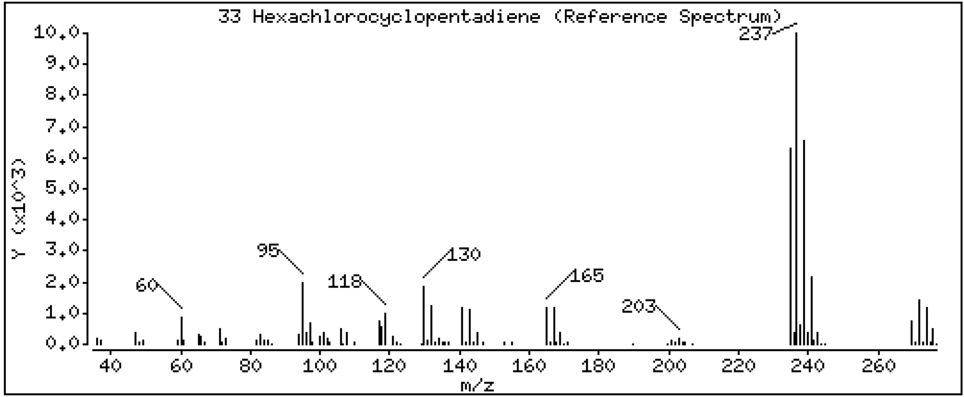
Operator: VTS

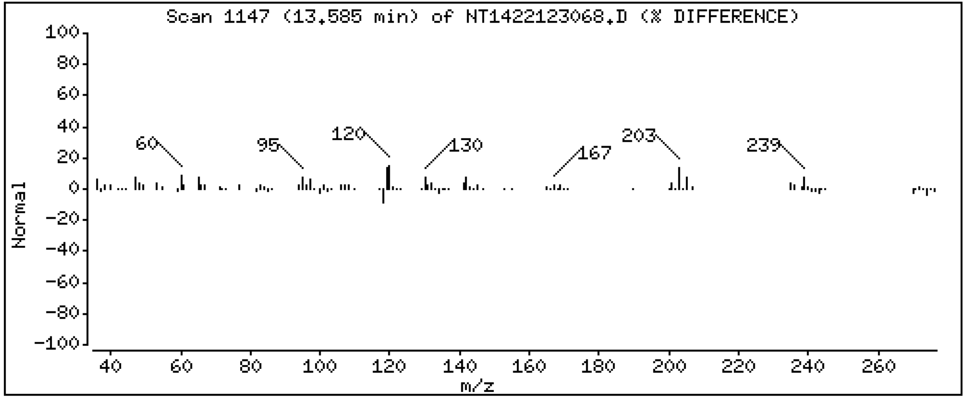
Column phase: ZB-5msi Column diameter: 0.25

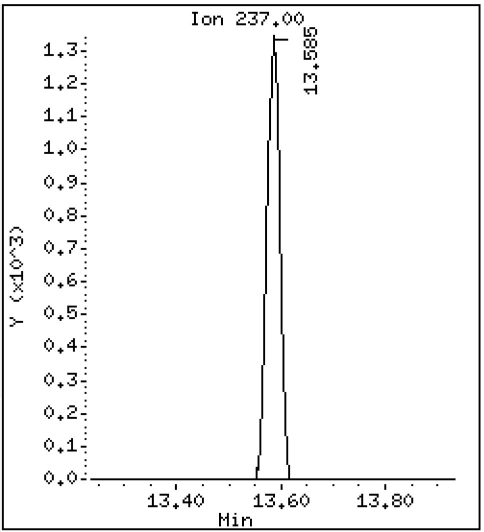
33 Hexachlorocyclopentadiene Concentration: 0.1373 ug/mL

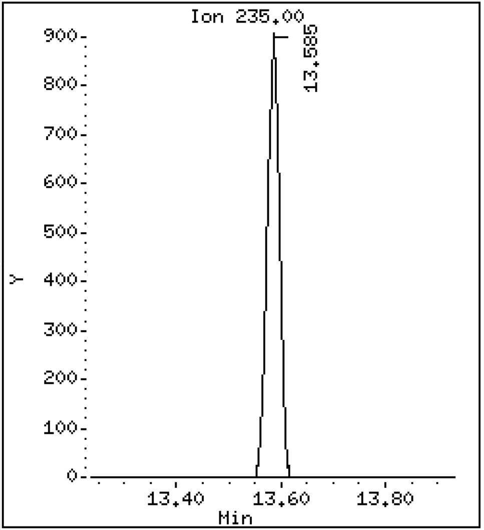

Scan 1147 (13.585 min) of NT1422123068.D

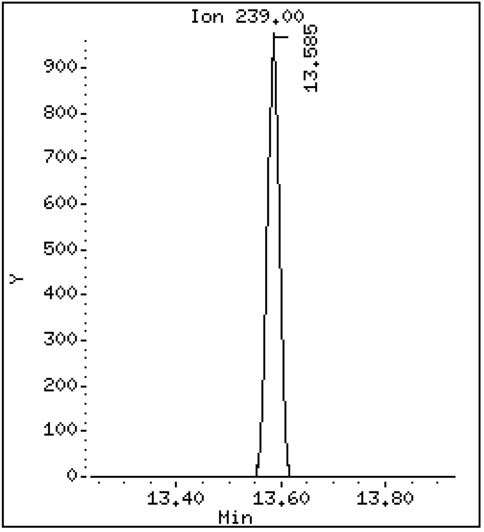

Scan 1147 (13.585 min) of NT1422123068.D (Subtracted)


33 Hexachlorocyclopentadiene (Reference Spectrum)


Scan 1147 (13.585 min) of NT1422123068.D (% DIFFERENCE)


Ion 237.00


Ion 235.00


Ion 239.00

Data File: \\target\share\chem3\nt14.i\20221230C.b\NT1422123068.D

Date : 01-JAN-2023 00:42

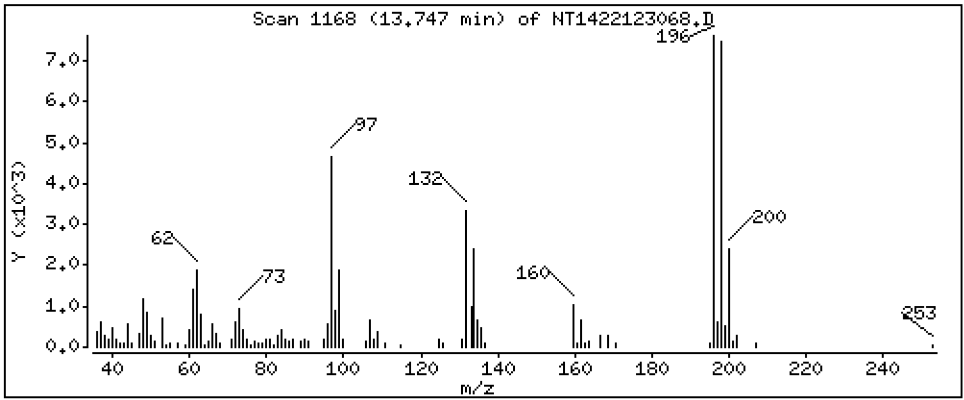
Client ID: Instrument: nt14.i

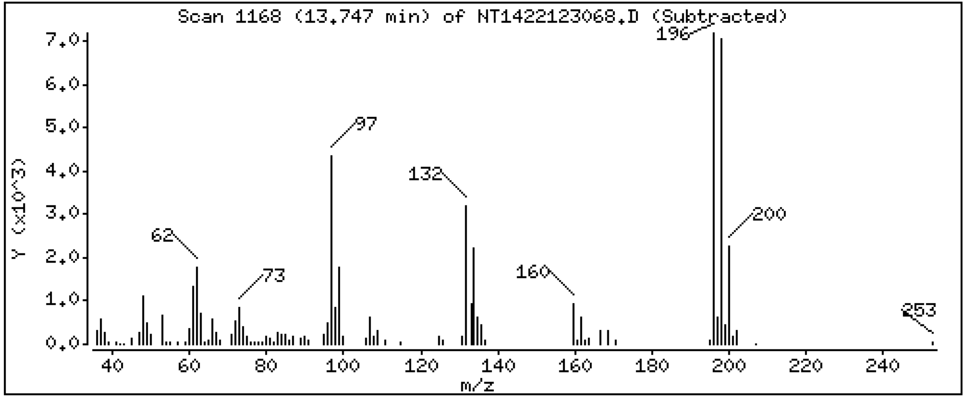
Sample Info: SKL0355-LCV4

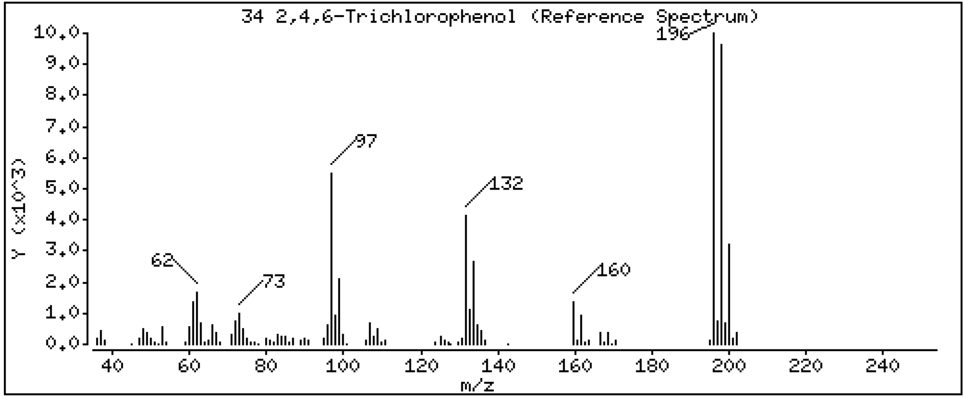
Operator: VTS

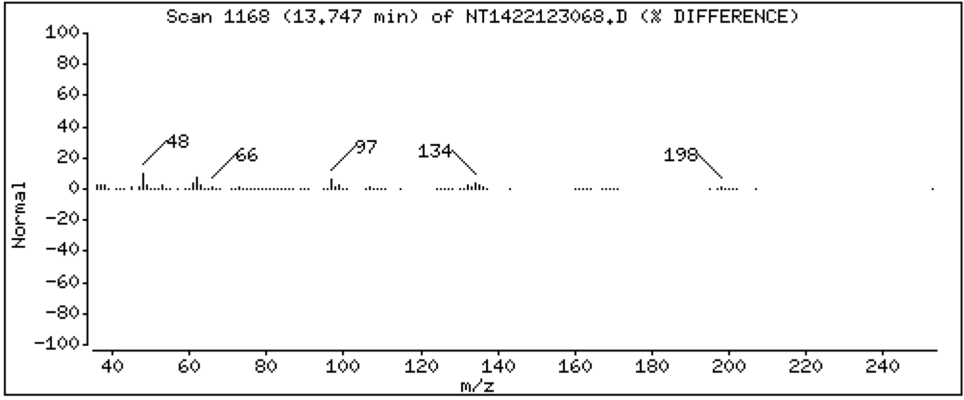
Column phase: ZB-5msi Column diameter: 0.25

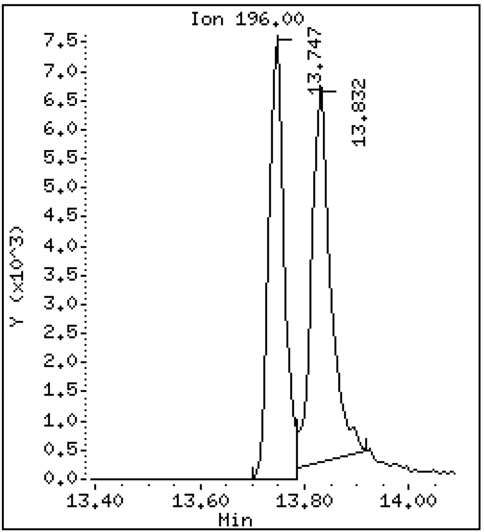
34 2,4,6-Trichlorophenol Concentration: 0.8738 ug/mL

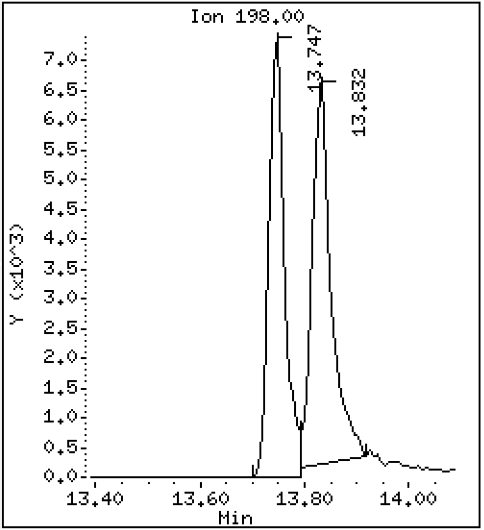


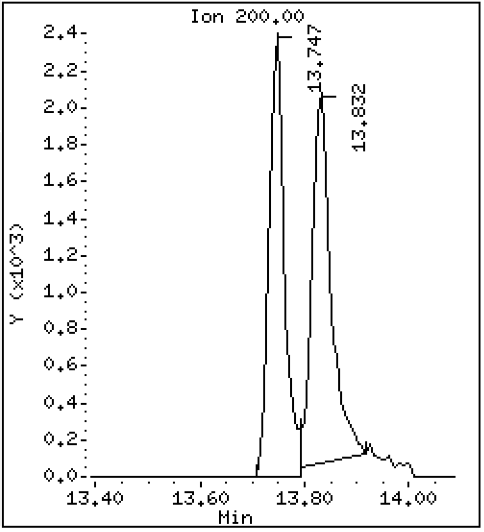












Data File: \\target\share\chem3\nt14.i\20221230C.b\NT1422123068.D

Date : 01-JAN-2023 00:42

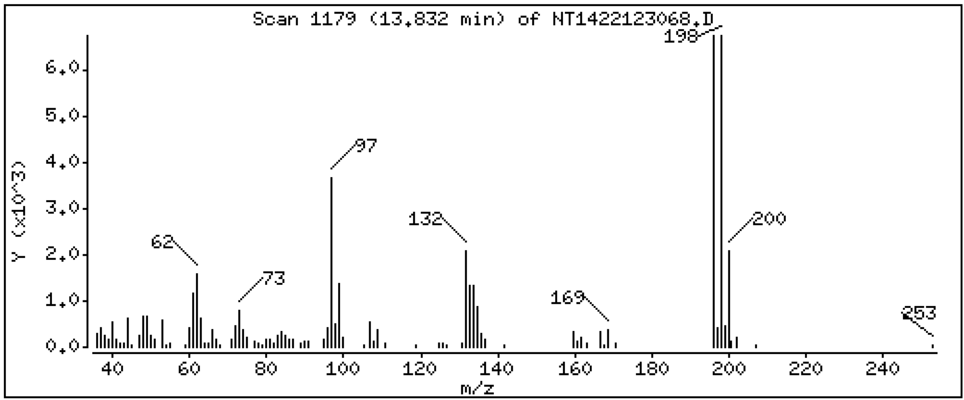
Client ID: Instrument: nt14.i

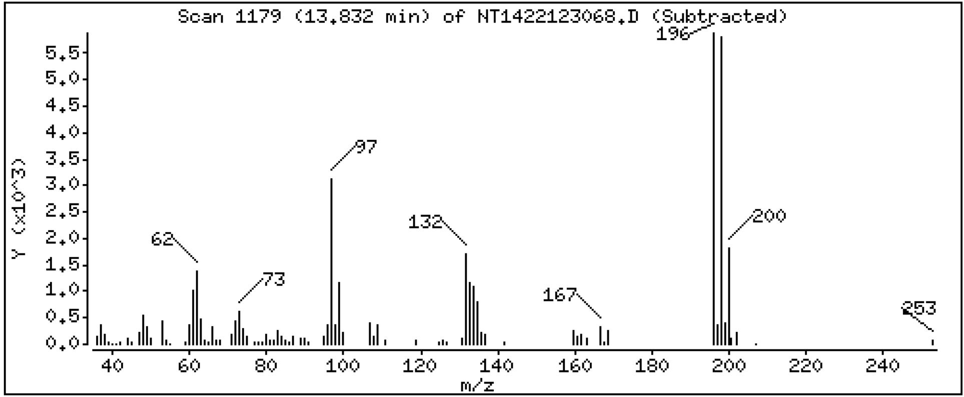
Sample Info: SKL0355-LCV4

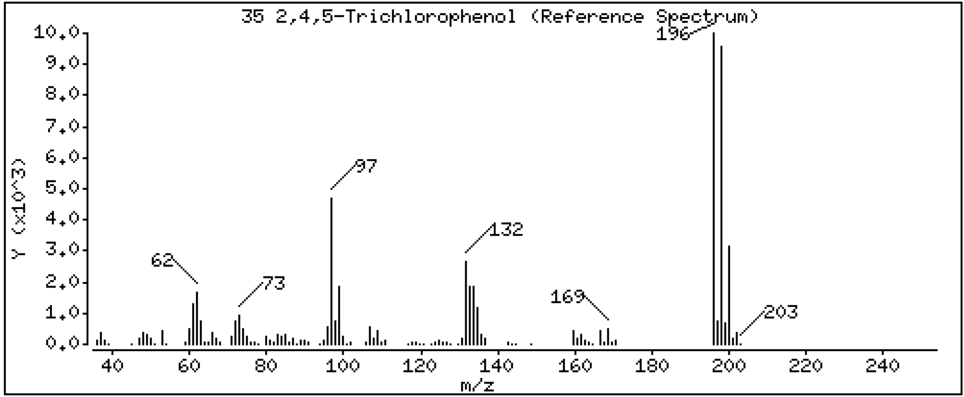
Operator: VTS

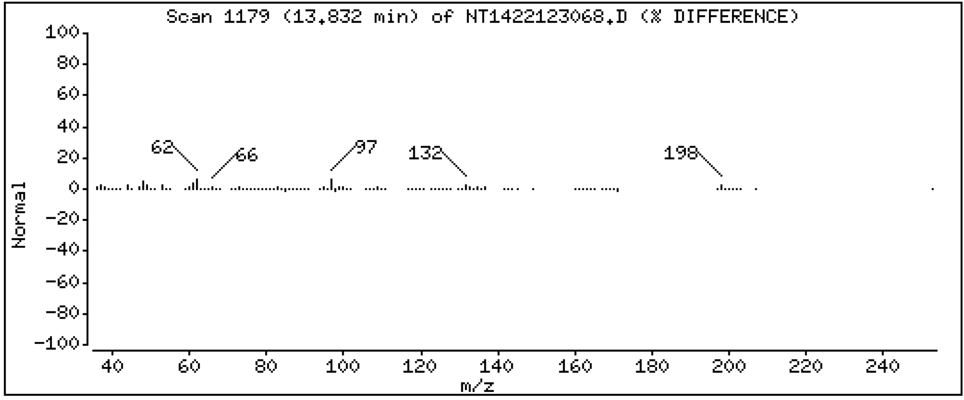
Column phase: ZB-5msi Column diameter: 0.25

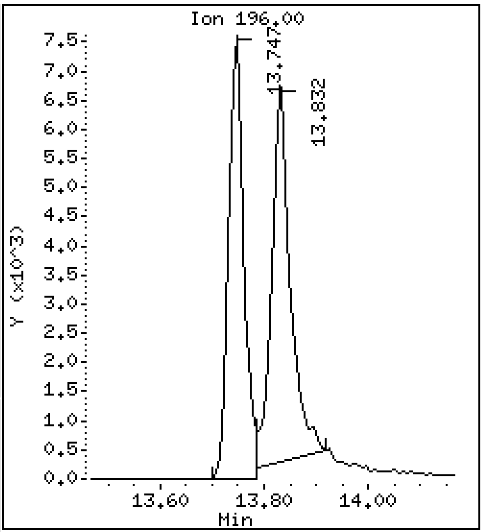
35 2,4,5-Trichlorophenol Concentration: 0.8019 ug/mL

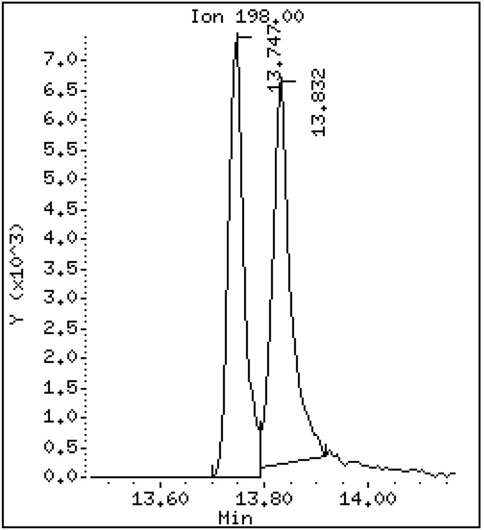


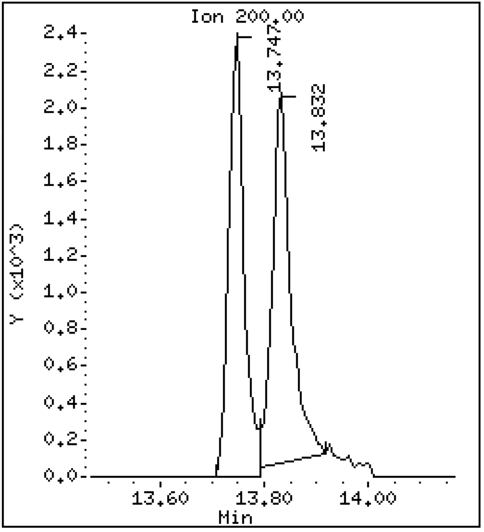












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Date : 01-JAN-2023 00:42

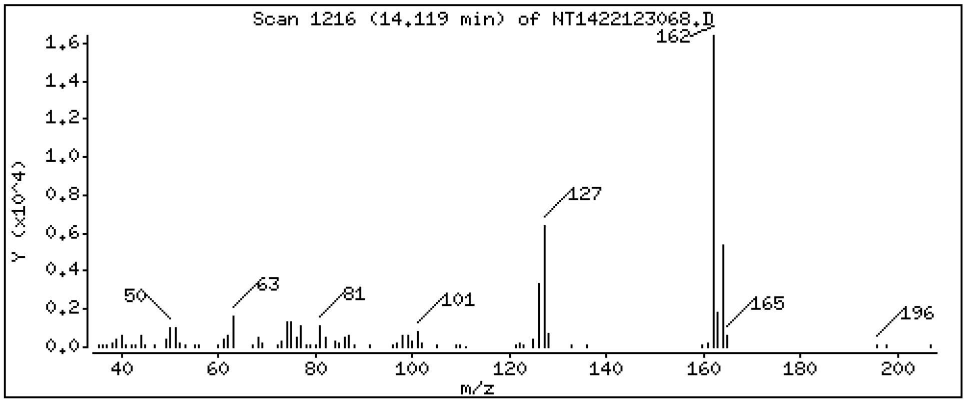
Client ID: Instrument: nt14.i

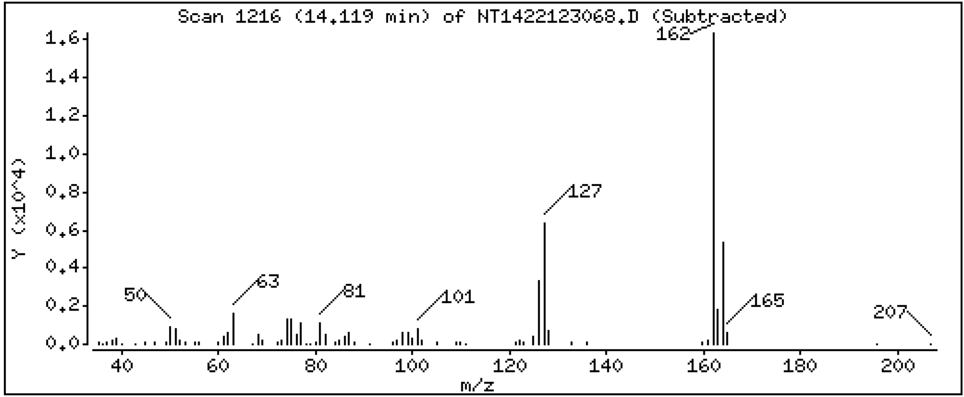
Sample Info: SKL0355-LCV4

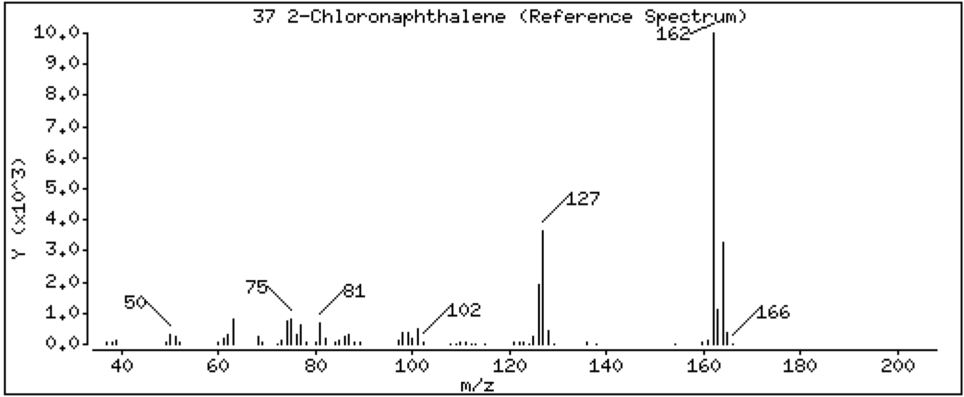
Operator: VTS

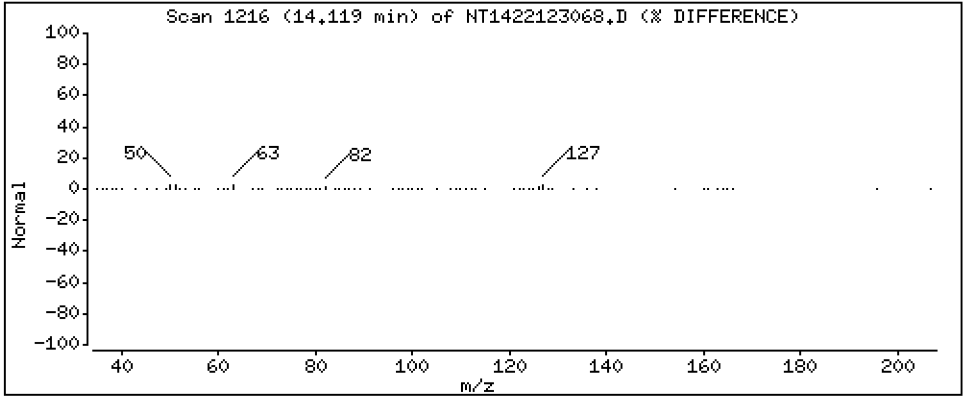
Column phase: ZB-5msi Column diameter: 0.25

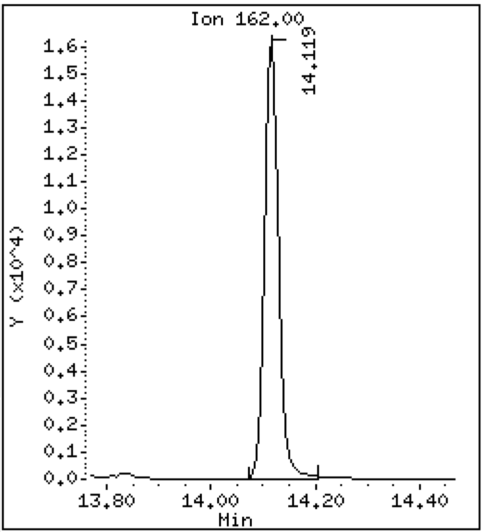
37 2-Chloronaphthalene Concentration: 0.4809 ug/mL

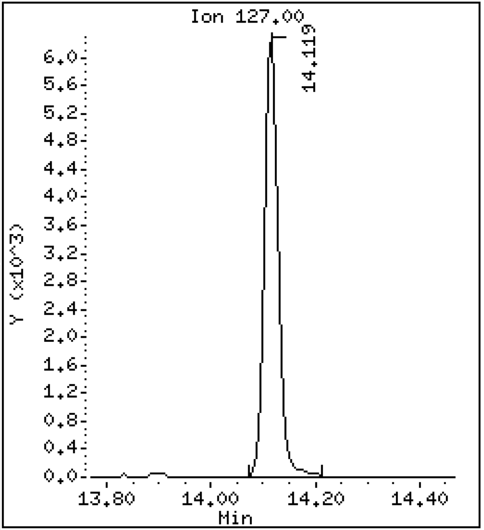

Scan 1216 (14.119 min) of NT1422123068.D

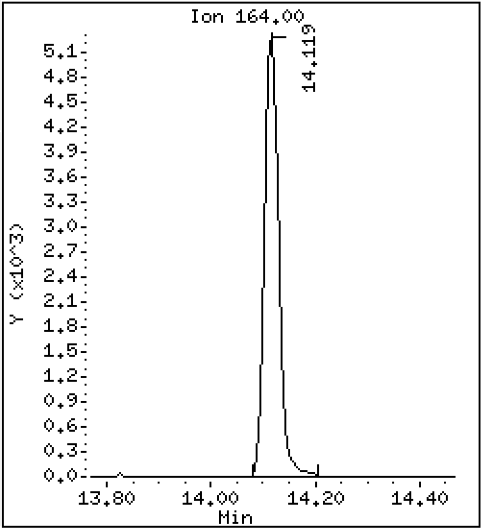

Scan 1216 (14.119 min) of NT1422123068.D (Subtracted)


37 2-Chloronaphthalene (Reference Spectrum)


Scan 1216 (14.119 min) of NT1422123068.D (% DIFFERENCE)


Ion 162.00


Ion 127.00


Ion 164.00

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Date : 01-JAN-2023 00:42

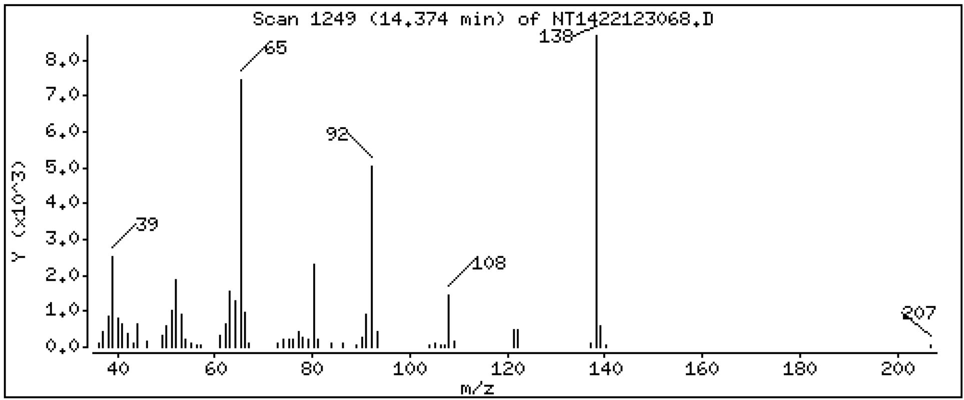
Client ID: Instrument: nt14.i

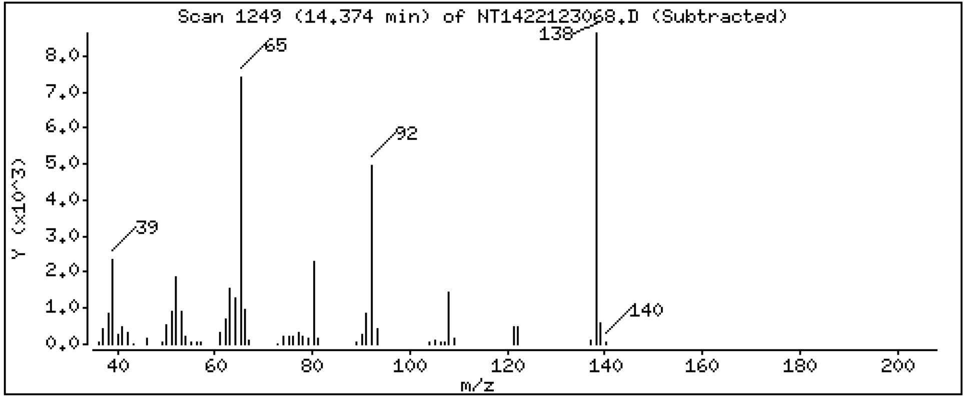
Sample Info: SKL0355-LCV4

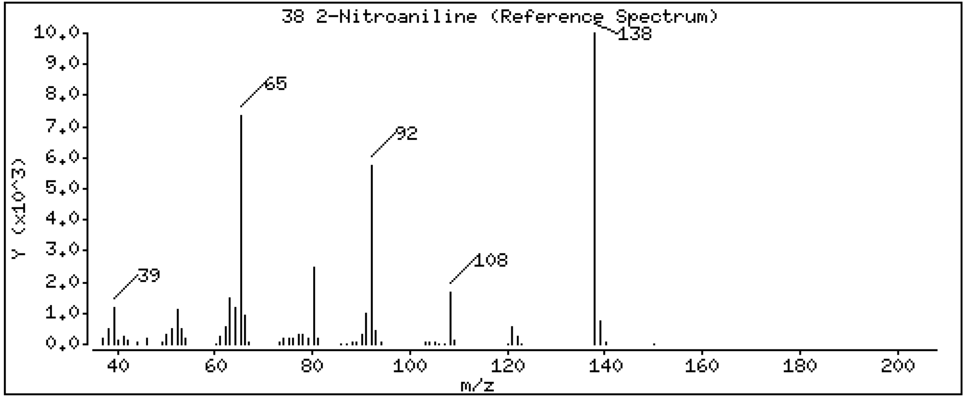
Operator: VTS

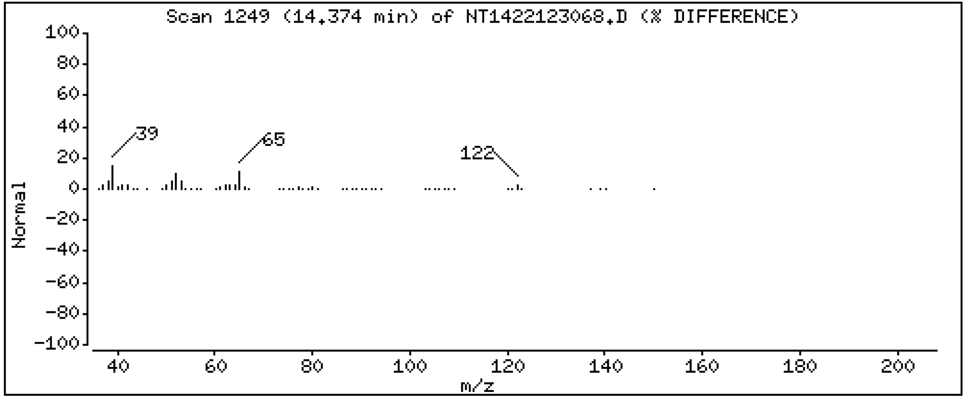
Column phase: ZB-5msi Column diameter: 0.25

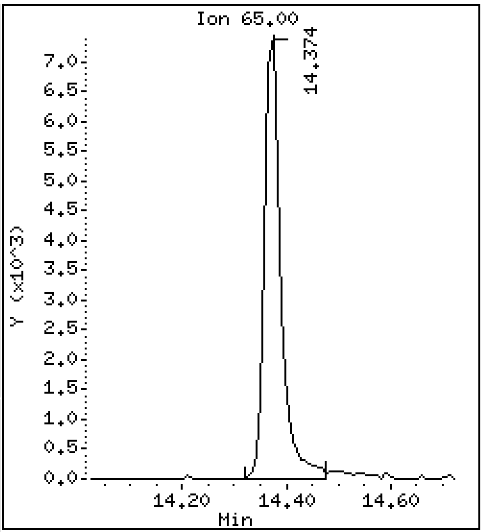
38 2-Nitroaniline Concentration: 0.9872 ug/mL

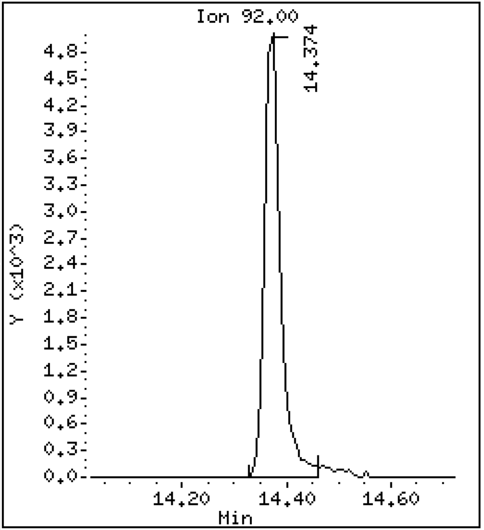


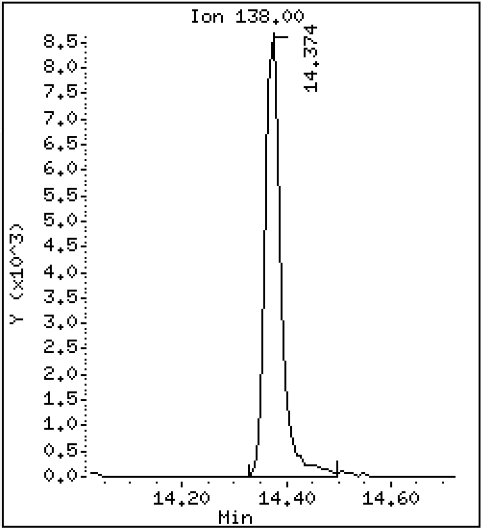












Data File: \\target\share\chem3\nt14.i\20221230C.b\NT1422123068.D

Date : 01-JAN-2023 00:42

Client ID:

Instrument: nt14.i

Sample Info: SKL0355-LCV4

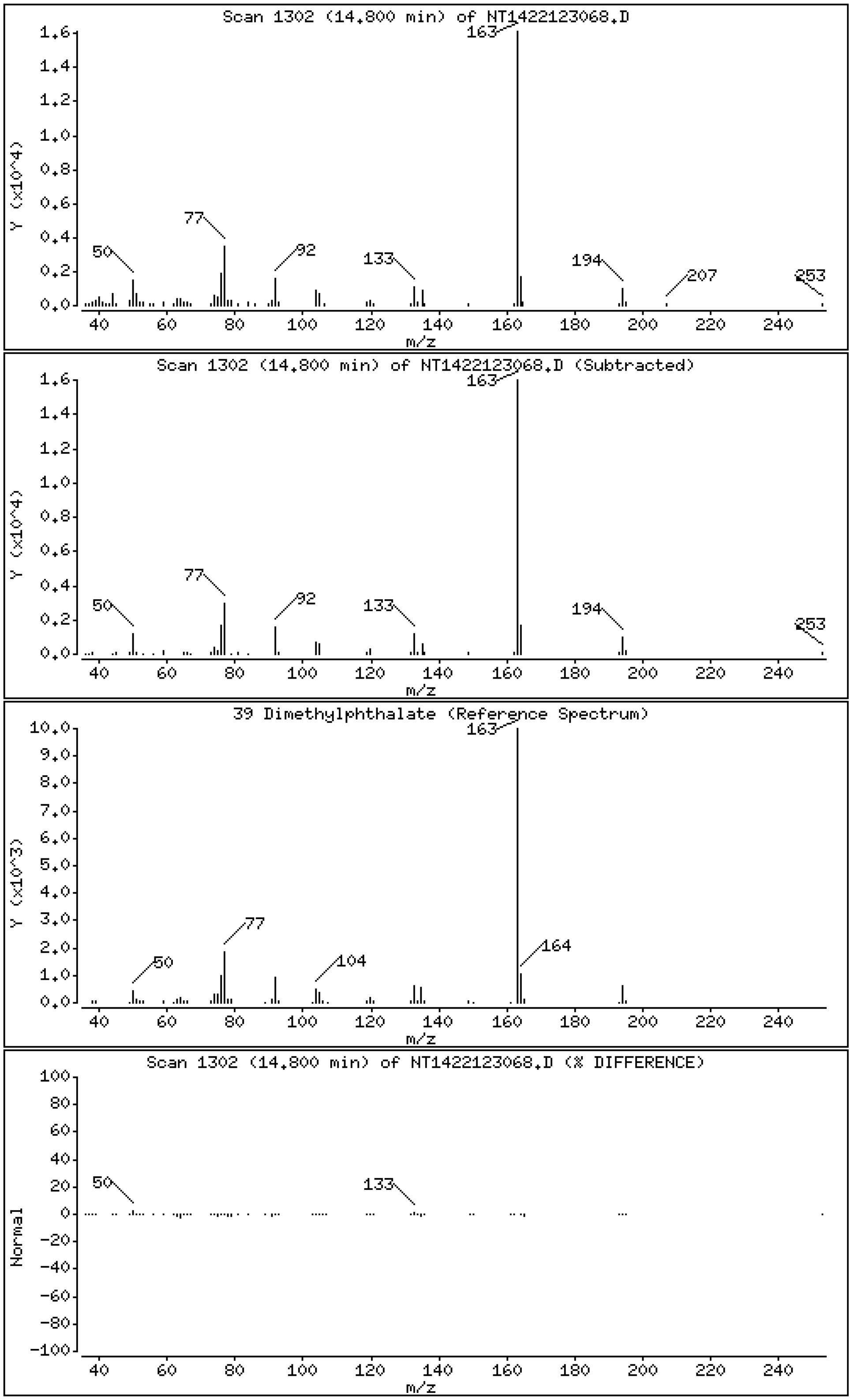
Operator: VTS

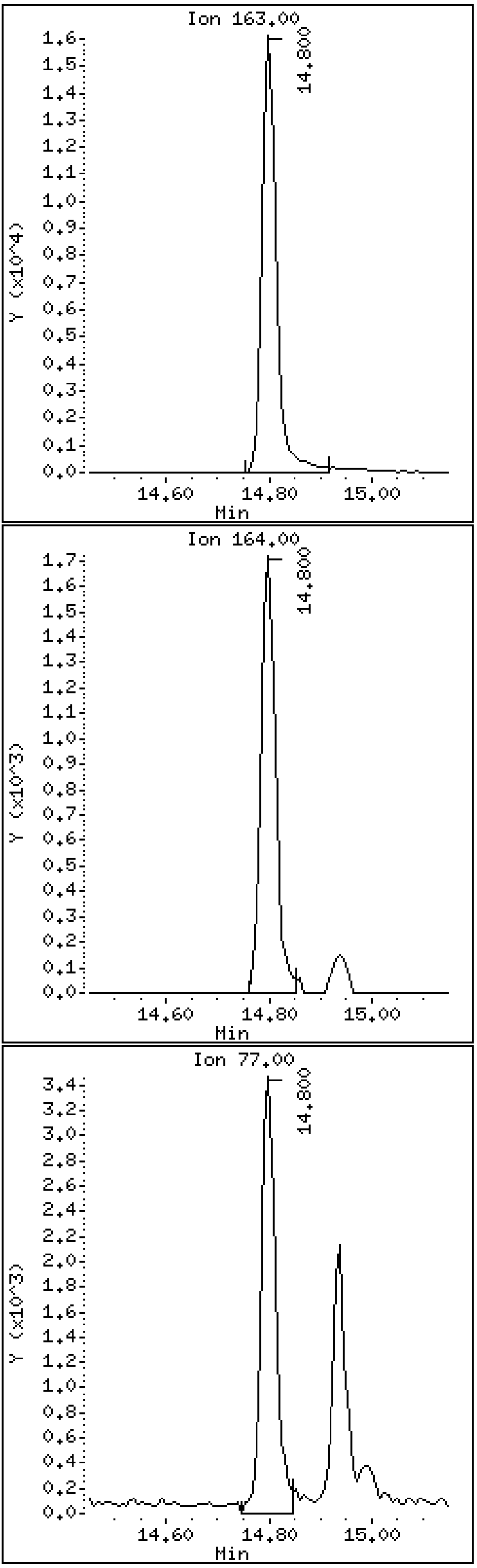
Column phase: ZB-5msi

Column diameter: 0.25

39 Dimethylphthalate

Concentration: 0.4956 ug/mL





Data File: \\target\share\chem3\nt14.i\20221230C.b\NT1422123068.D

Date : 01-JAN-2023 00:42

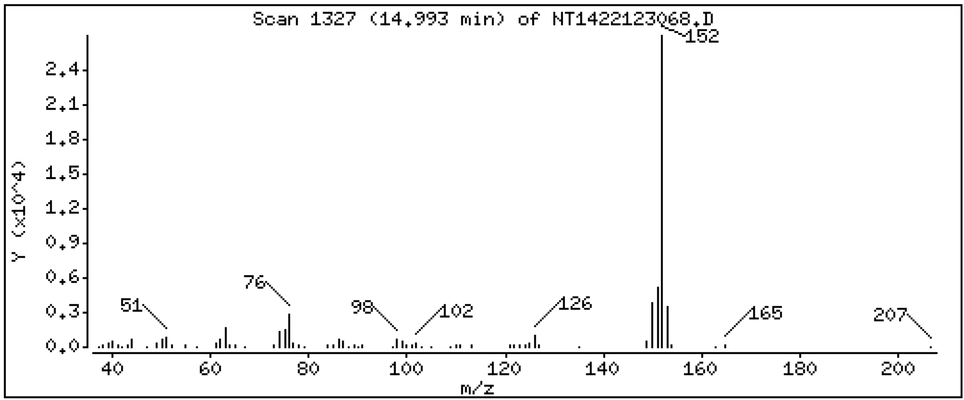
Client ID: Instrument: nt14.i

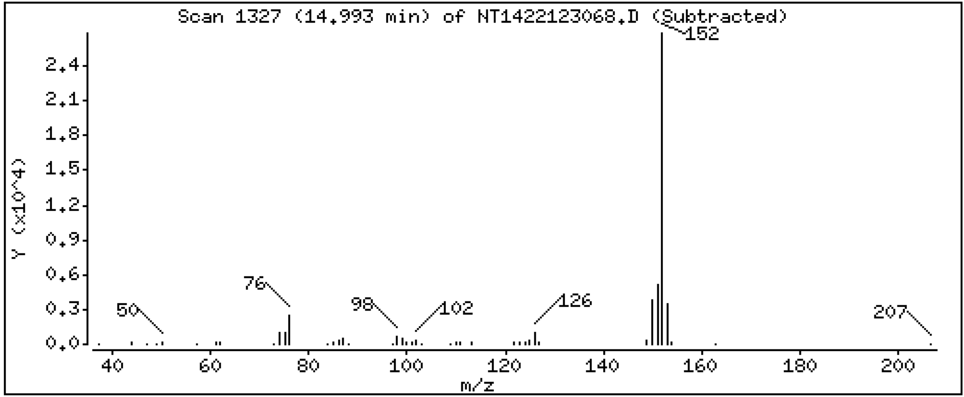
Sample Info: SKL0355-LCV4

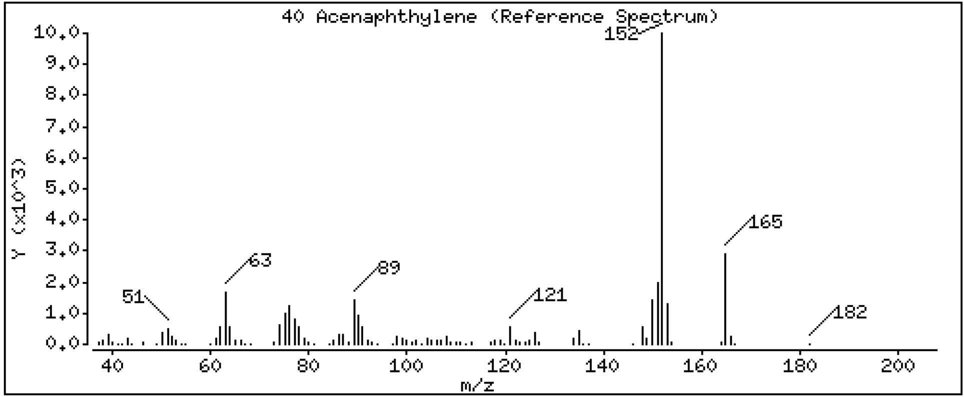
Operator: VTS

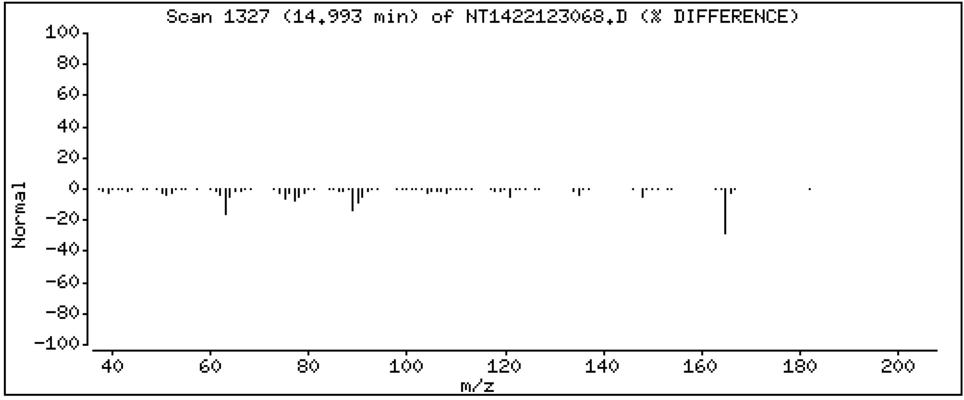
Column phase: ZB-5msi Column diameter: 0.25

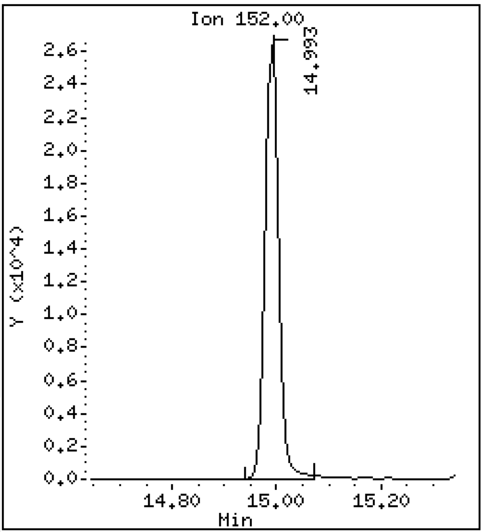
40 Acenaphthylene Concentration: 0.4979 ug/mL

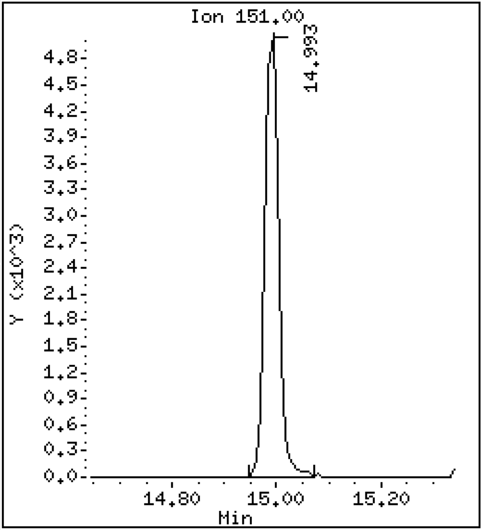

Scan 1327 (14.993 min) of NT1422123068.D

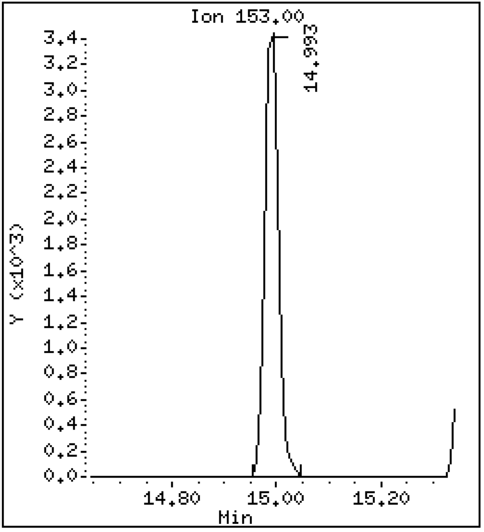

Scan 1327 (14.993 min) of NT1422123068.D (Subtracted)


40 Acenaphthylene (Reference Spectrum)


Scan 1327 (14.993 min) of NT1422123068.D (% DIFFERENCE)


Ion 152.00


Ion 151.00


Ion 153.00

Data File: \\target\share\chem3\nt14.i\20221230C.b\NT1422123068.D

Date : 01-JAN-2023 00:42

Client ID:

Instrument: nt14.i

Sample Info: SKL0355-LCV4

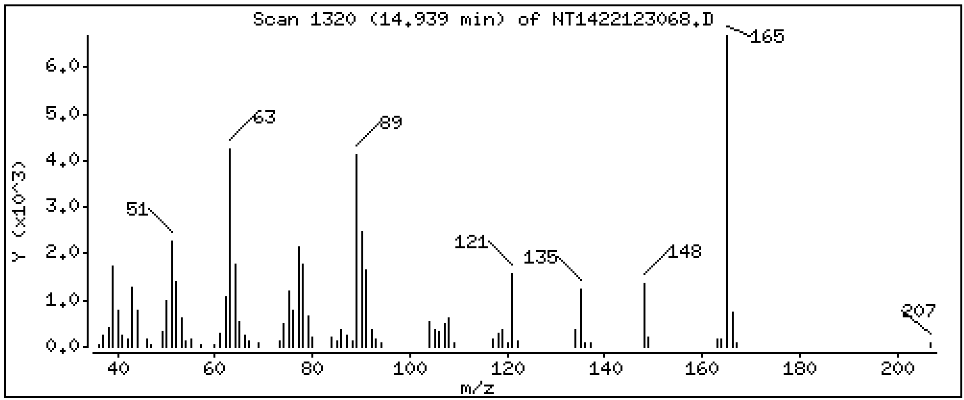
Operator: VTS

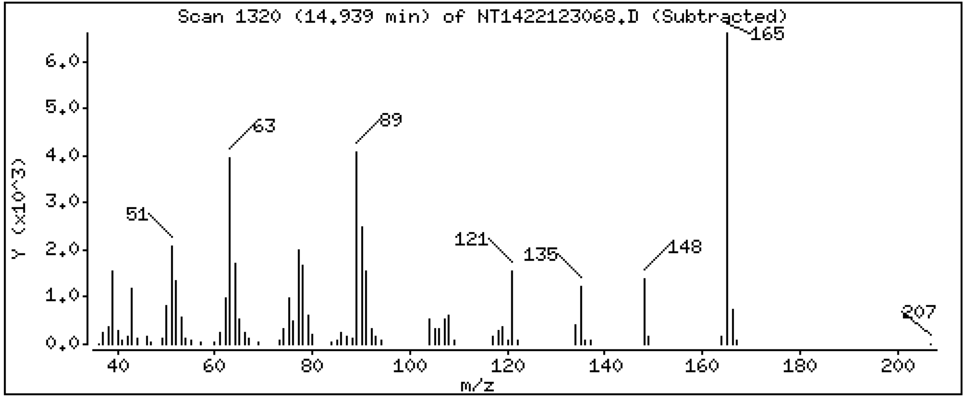
Column phase: ZB-5msi

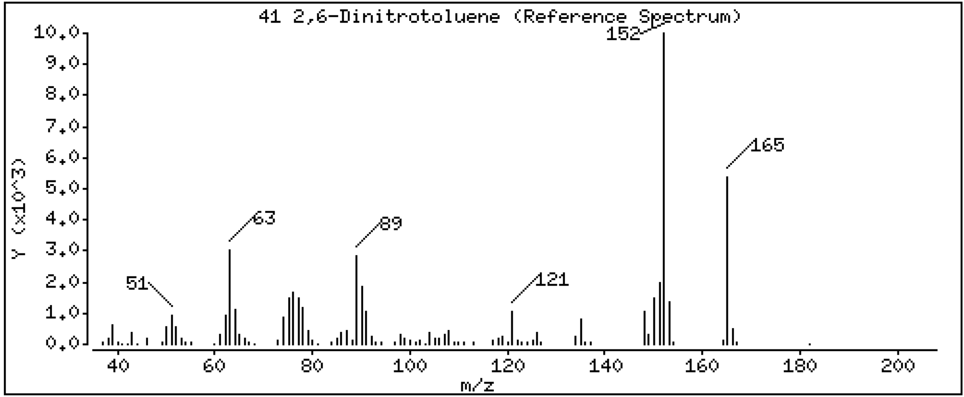
Column diameter: 0.25

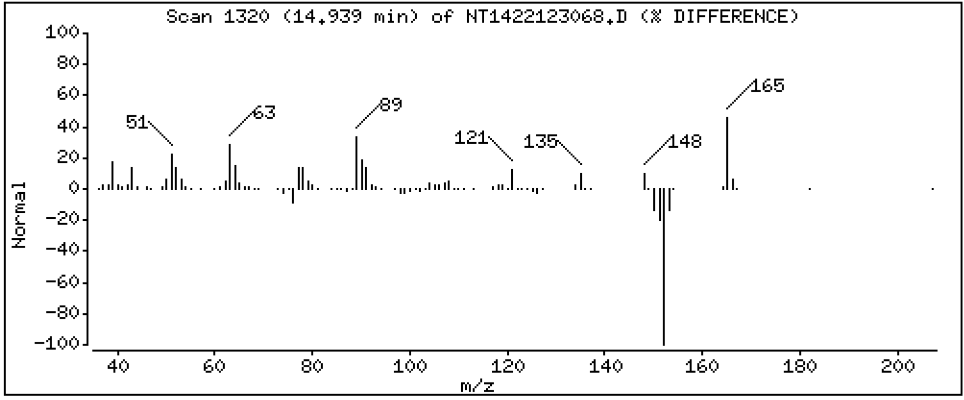
41 2,6-Dinitrotoluene

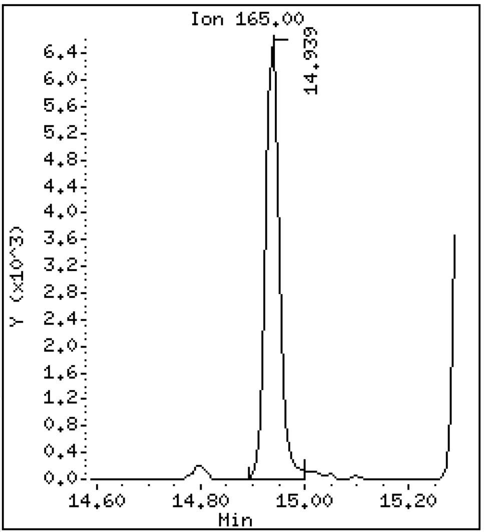
Concentration: 0.8726 ug/mL

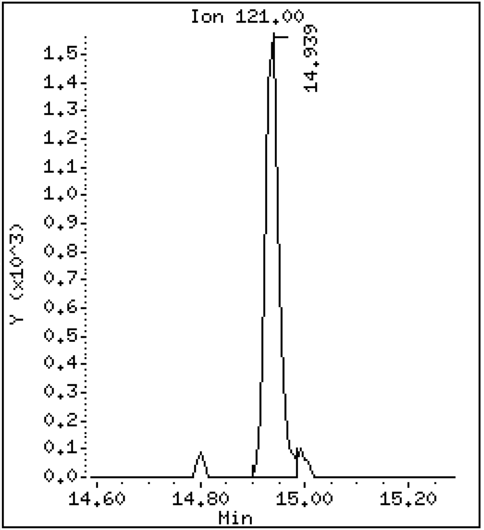


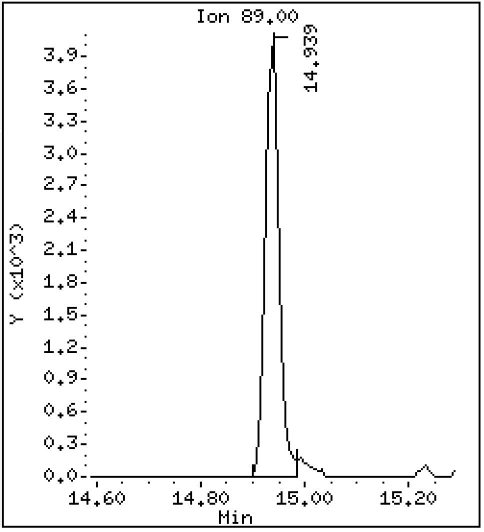












Data File: \\target\share\chem3\nt14.i\20221230C.b\NT1422123068.D

Date : 01-JAN-2023 00:42

Client ID:

Instrument: nt14.i

Sample Info: SKL0355-LCV4

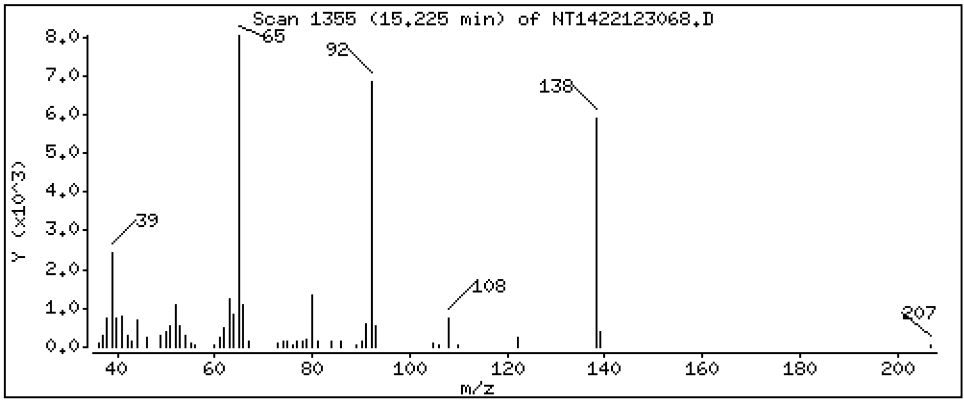
Operator: VTS

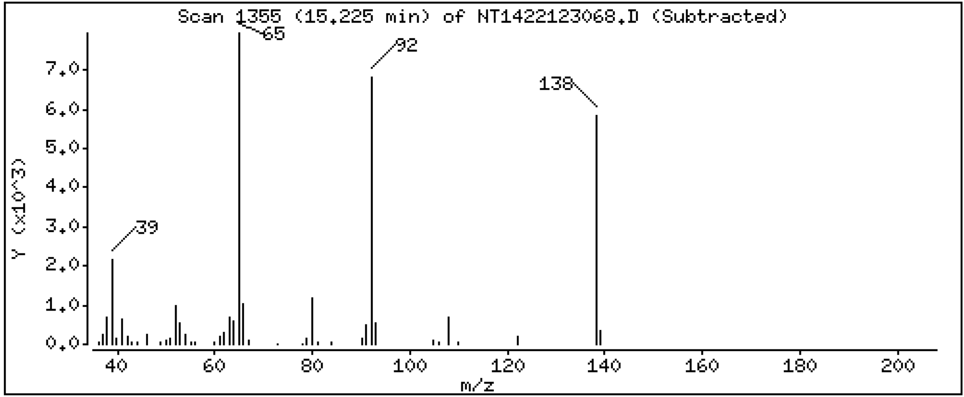
Column phase: ZB-5msi

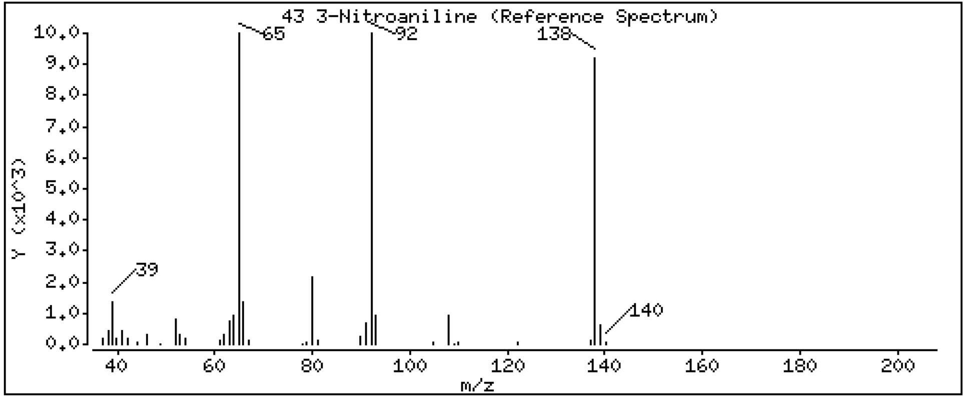
Column diameter: 0.25

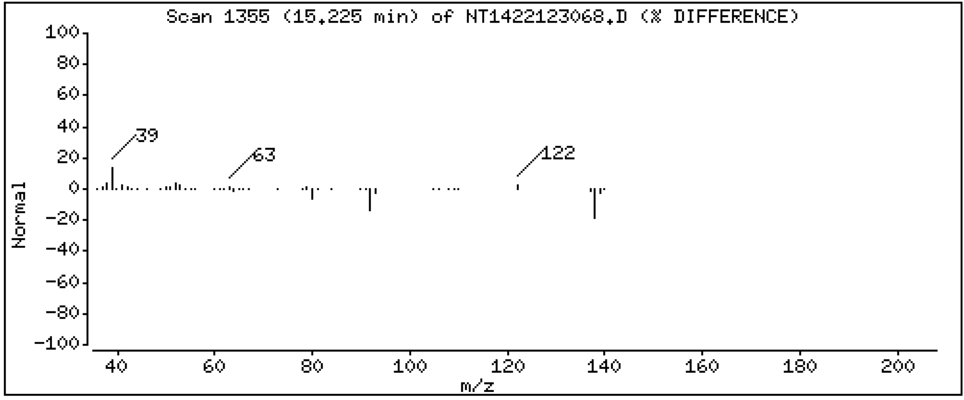
43 3-Nitroaniline

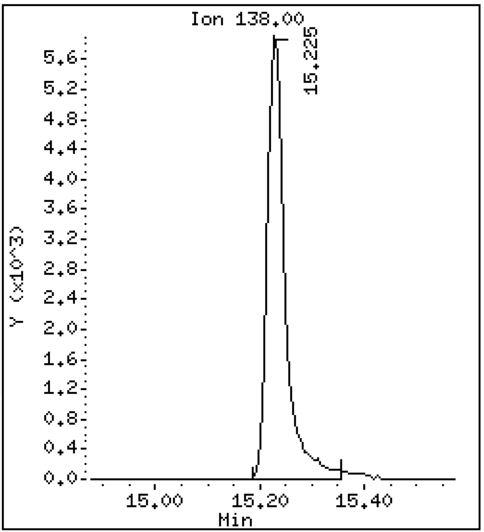
Concentration: 0.8487 ug/mL

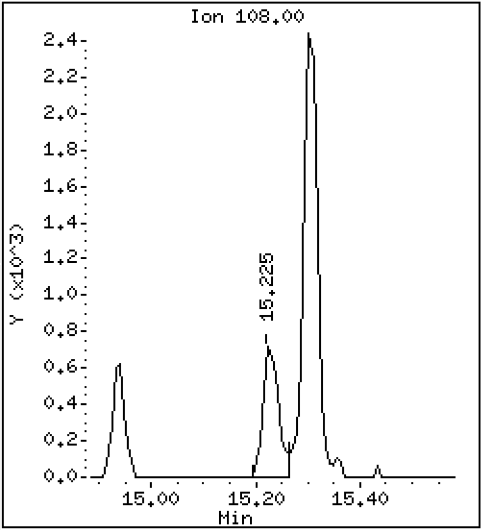

Scan 1355 (15.225 min) of NT1422123068.D

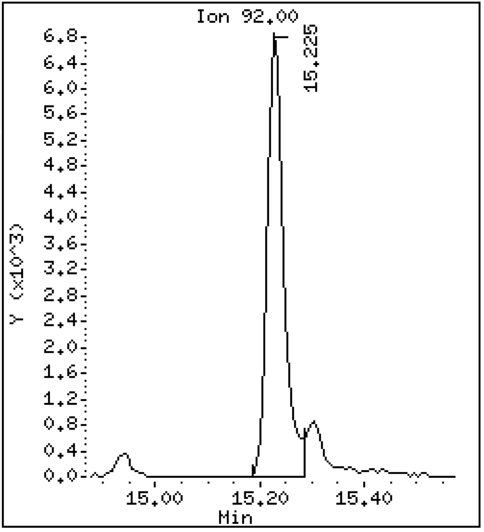

Scan 1355 (15.225 min) of NT1422123068.D (Subtracted)


43 3-Nitroaniline (Reference Spectrum)


Scan 1355 (15.225 min) of NT1422123068.D (% DIFFERENCE)


Ion 138.00


Ion 108.00


Ion 92.00

Data File: \\target\share\chem3\nt14.i\20221230C.b\NT1422123068.D

Date : 01-JAN-2023 00:42

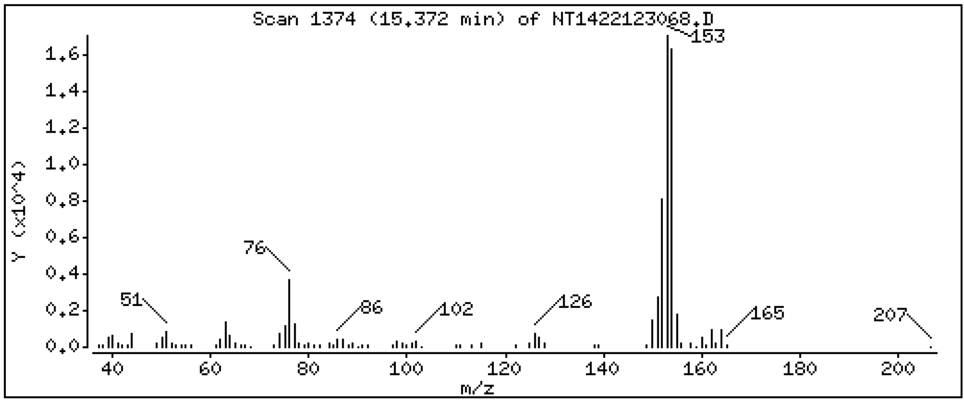
Client ID: Instrument: nt14.i

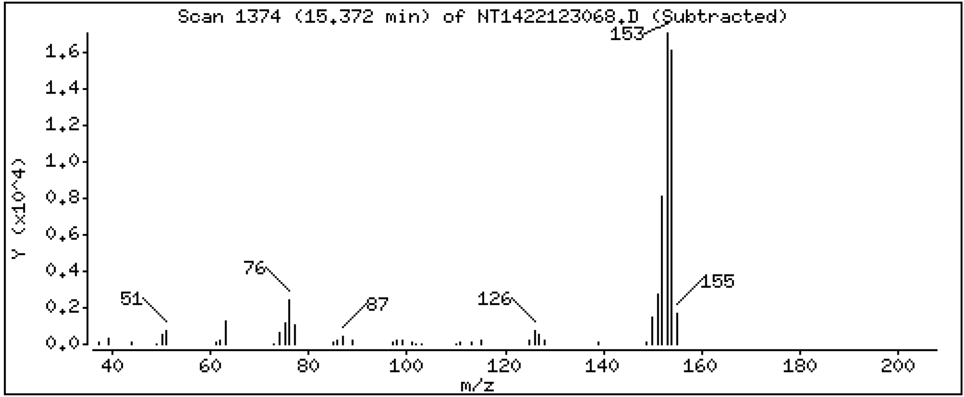
Sample Info: SKL0355-LCV4

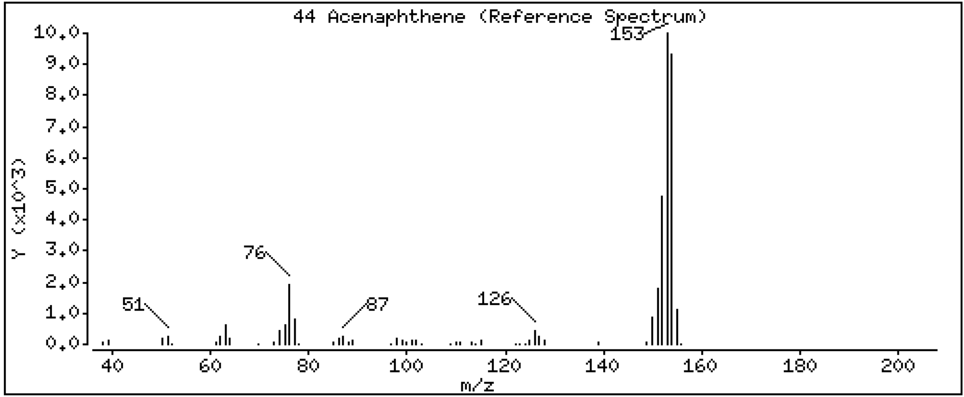
Operator: VTS

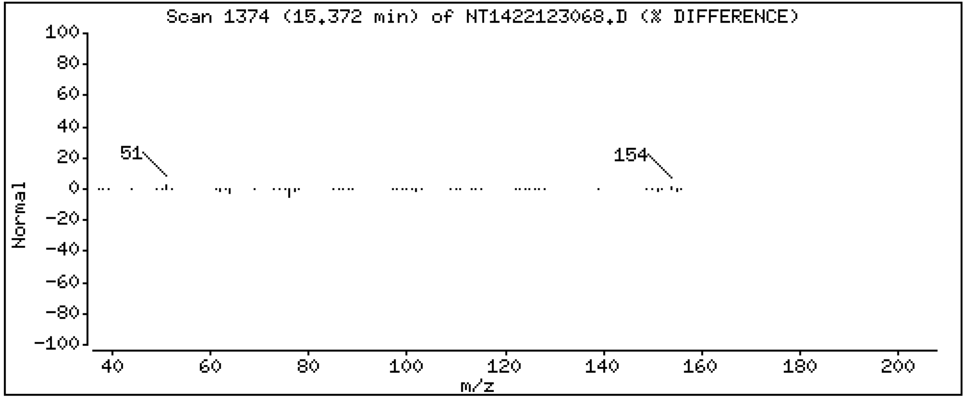
Column phase: ZB-5msi Column diameter: 0.25

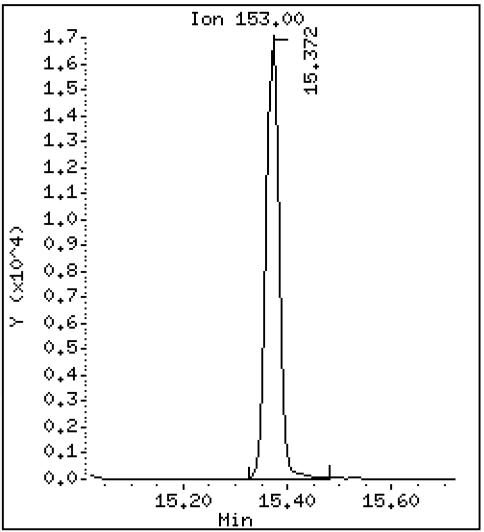
44 Acenaphthene Concentration: 0.4955 ug/mL

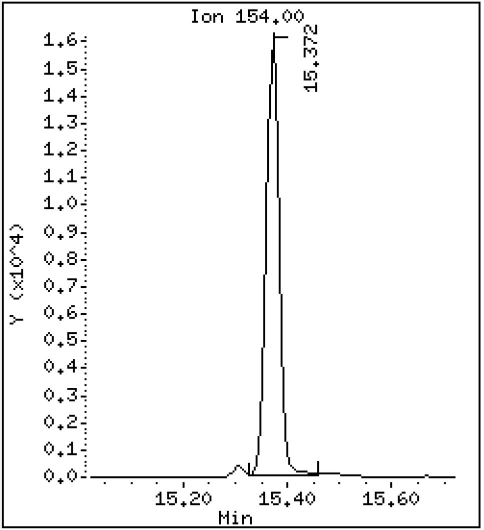


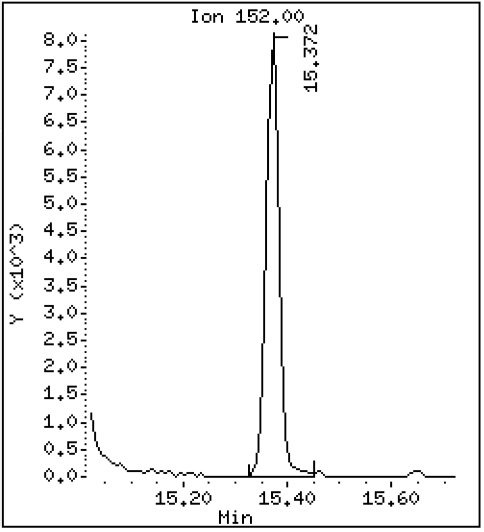












Data File: \\target\share\chem3\nt14.i\20221230C.b\NT1422123068.D

Date : 01-JAN-2023 00:42

Client ID: Instrument: nt14.i

Sample Info: SKL0355-LCV4

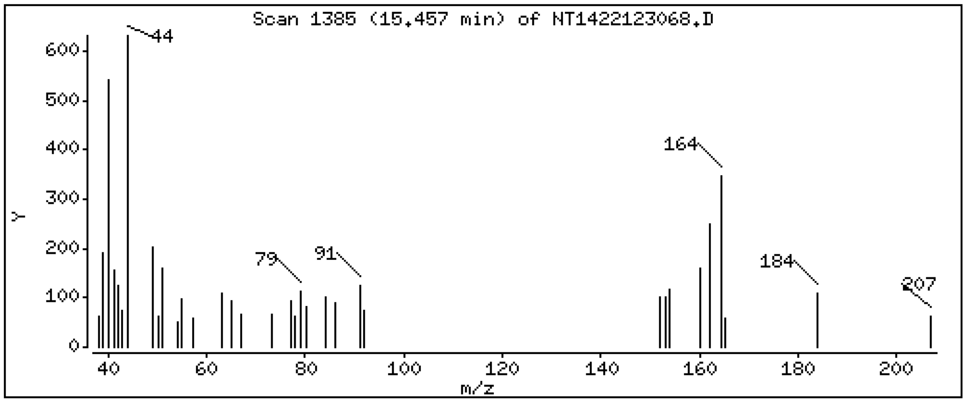
Operator: VTS

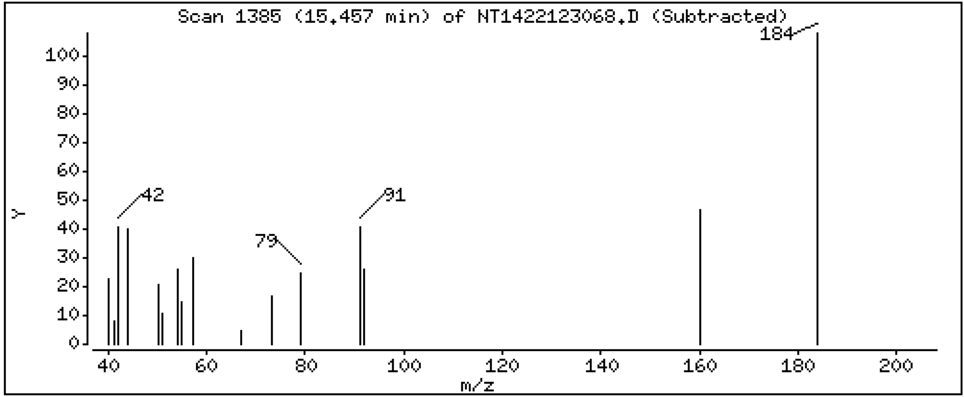
Column phase: ZB-5msi

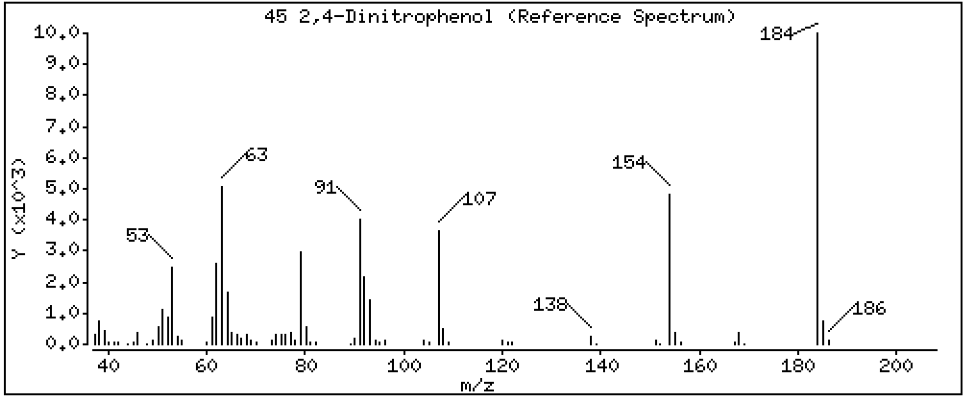
Column diameter: 0.25

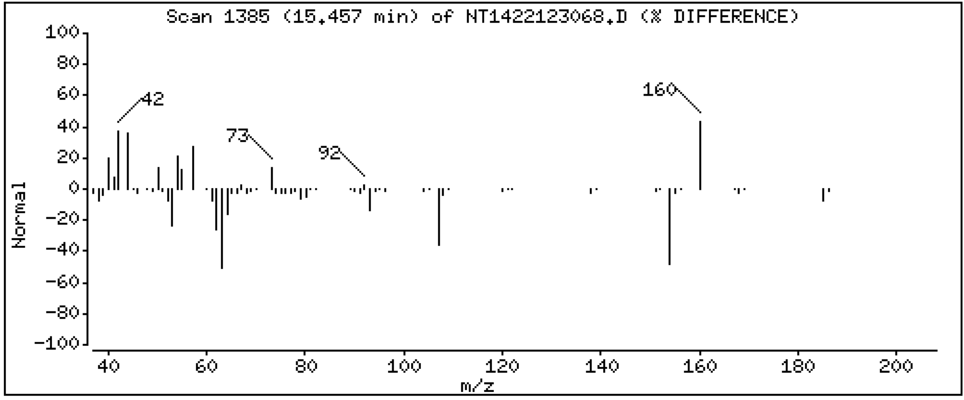
45 2,4-Dinitrophenol

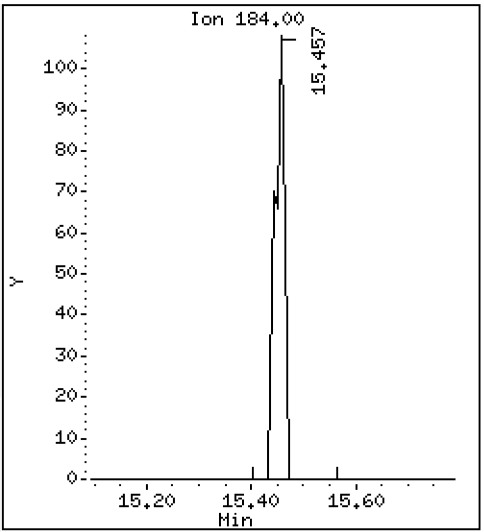
Concentration: 0.01232 ug/mL

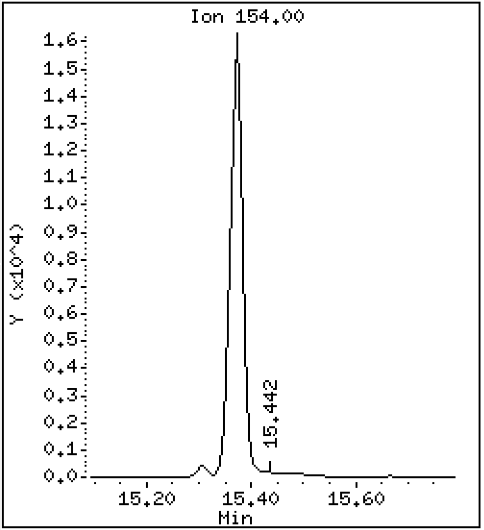

Scan 1385 (15.457 min) of NT1422123068.D

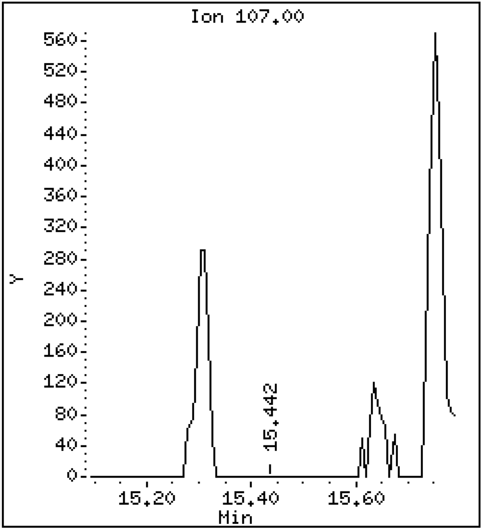

Scan 1385 (15.457 min) of NT1422123068.D (Subtracted)


45 2,4-Dinitrophenol (Reference Spectrum)


Scan 1385 (15.457 min) of NT1422123068.D (% DIFFERENCE)


Ion 184.00


Ion 154.00


Ion 107.00

Data File: \\target\share\chem3\nt14.i\20221230C.b\NT1422123068.D

Date : 01-JAN-2023 00:42

Client ID:

Instrument: nt14.i

Sample Info: SKL0355-LCV4

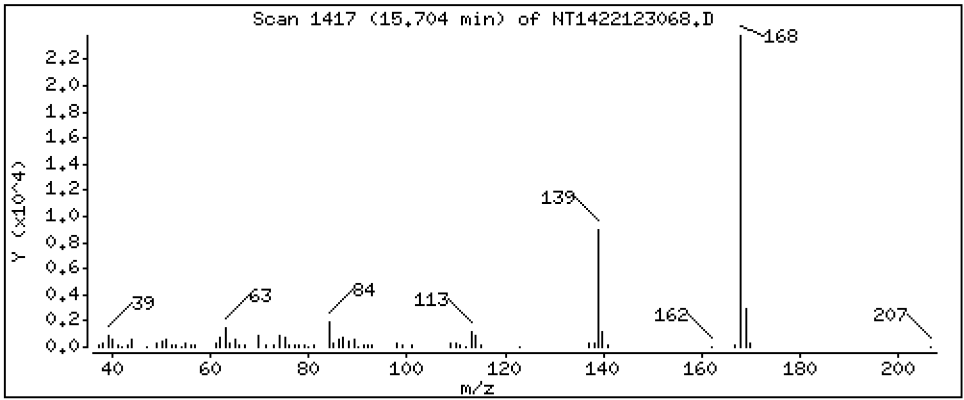
Operator: VTS

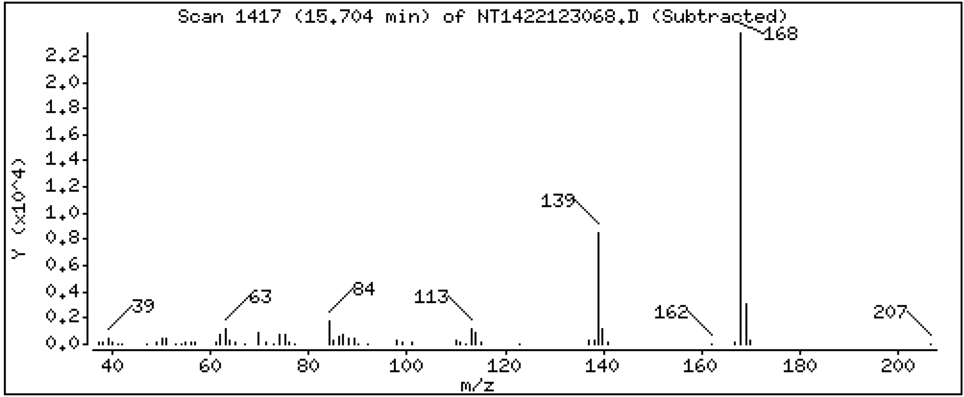
Column phase: ZB-5msi

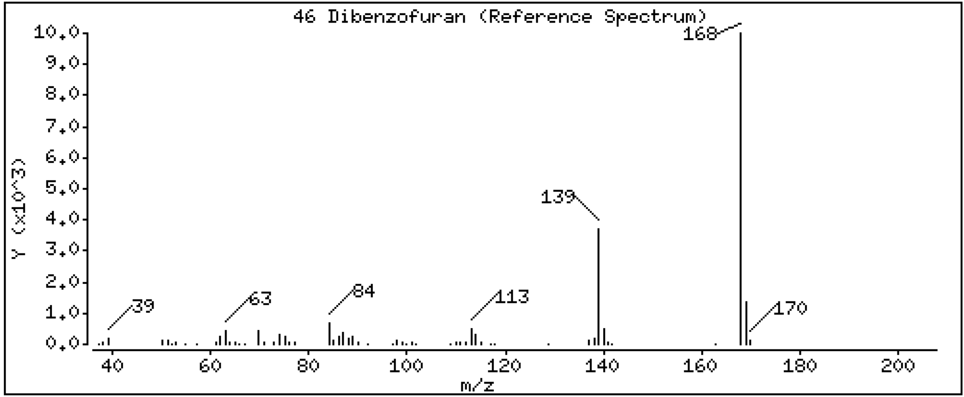
Column diameter: 0.25

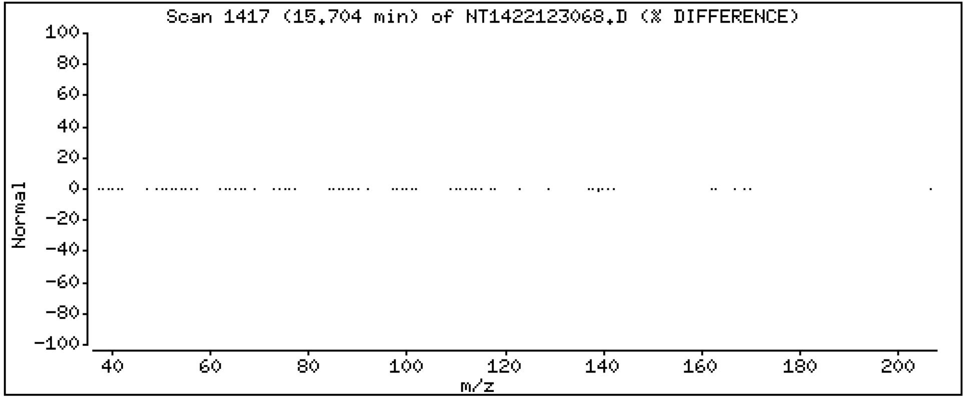
46 Dibenzofuran

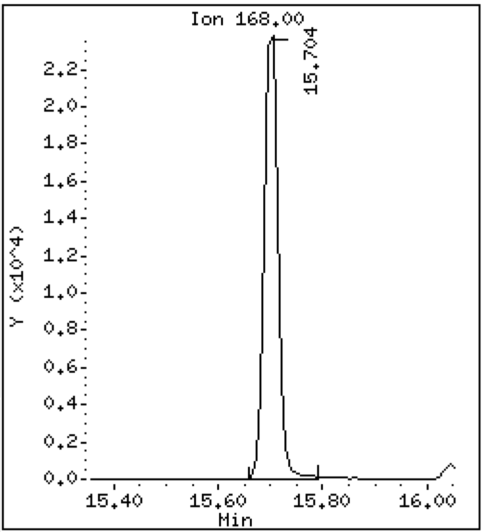
Concentration: 0.4928 ug/mL

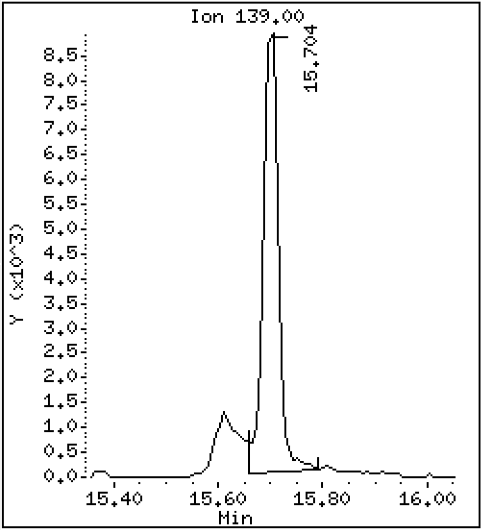

Scan 1417 (15.704 min) of NT1422123068.D

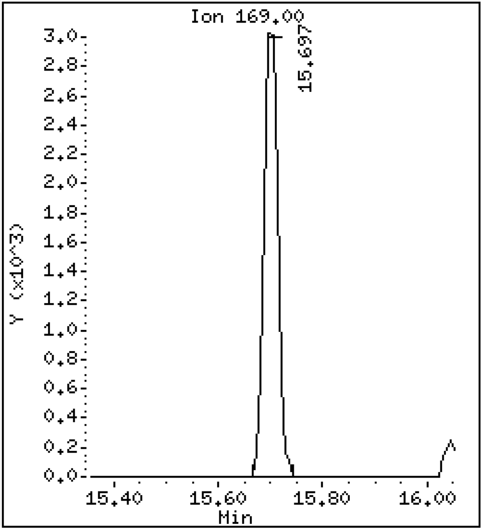

Scan 1417 (15.704 min) of NT1422123068.D (Subtracted)


46 Dibenzofuran (Reference Spectrum)


Scan 1417 (15.704 min) of NT1422123068.D (% DIFFERENCE)


Ion 168.00


Ion 139.00


Ion 169.00

Data File: \\target\share\chem3\nt14.i\20221230C.b\NT1422123068.D

Date : 01-JAN-2023 00:42

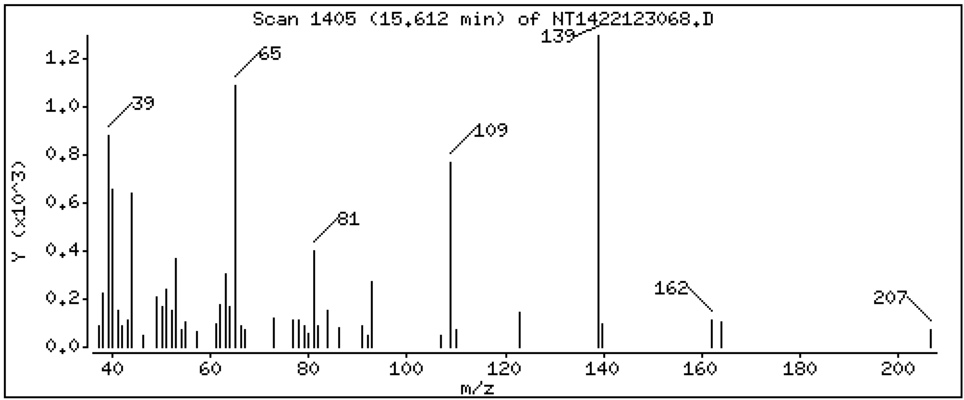
Client ID: Instrument: nt14.i

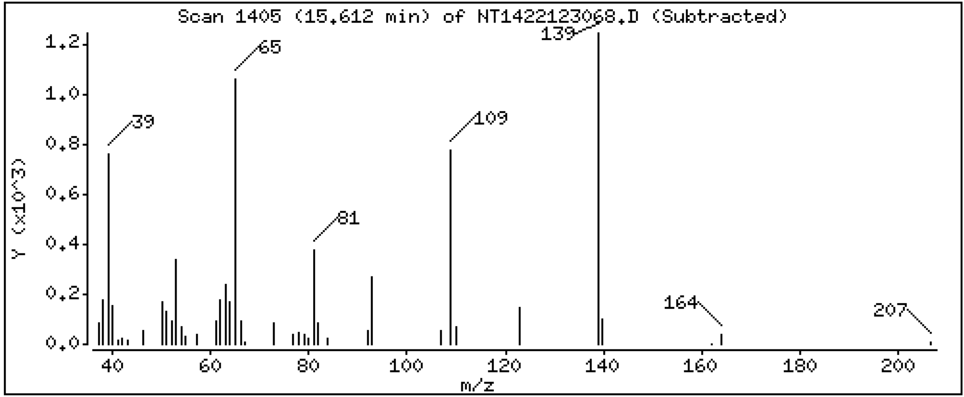
Sample Info: SKL0355-LCV4

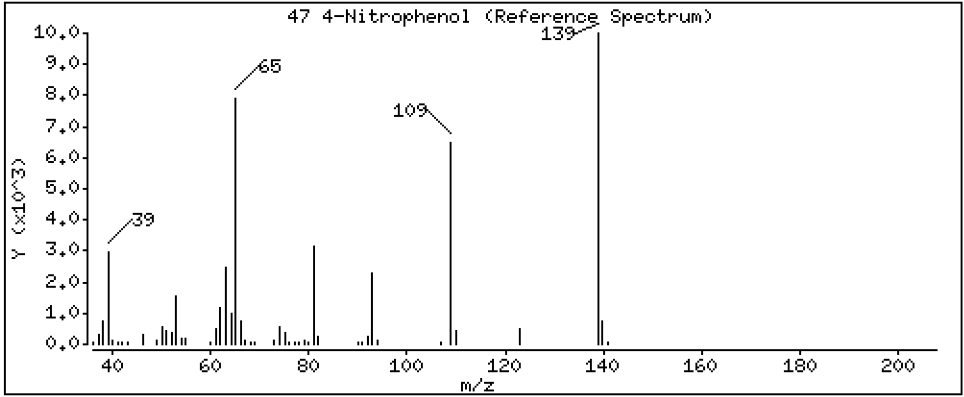
Operator: VTS

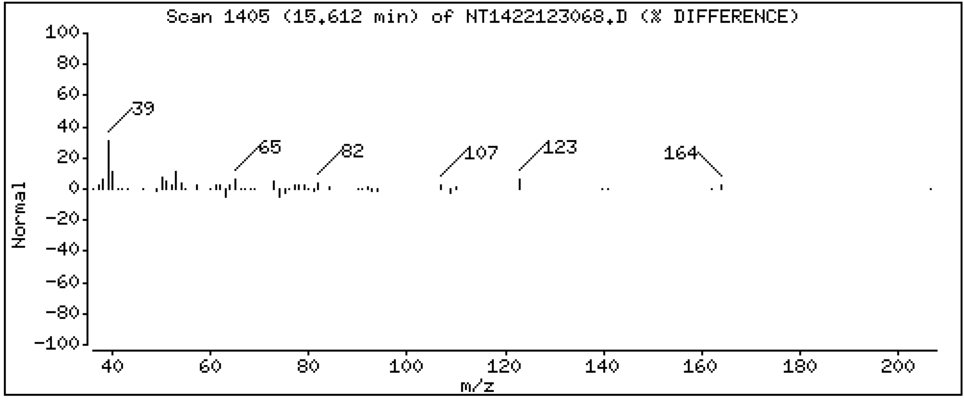
Column phase: ZB-5msi Column diameter: 0.25

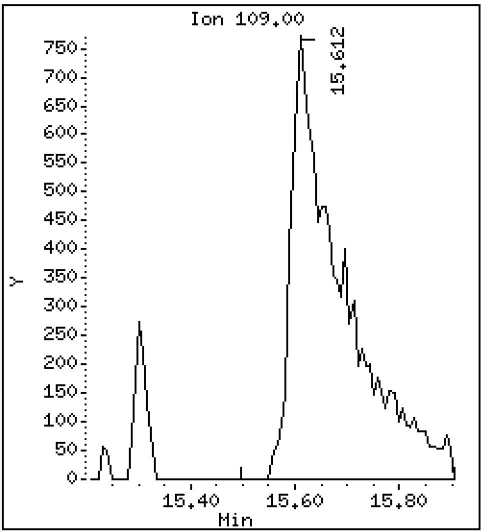
47 4-Nitrophenol Concentration: 0.6719 ug/mL

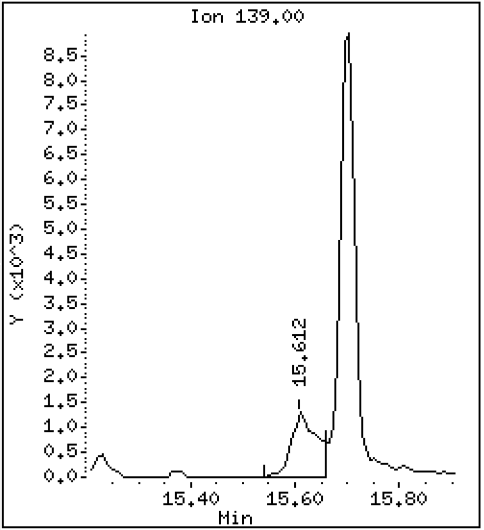


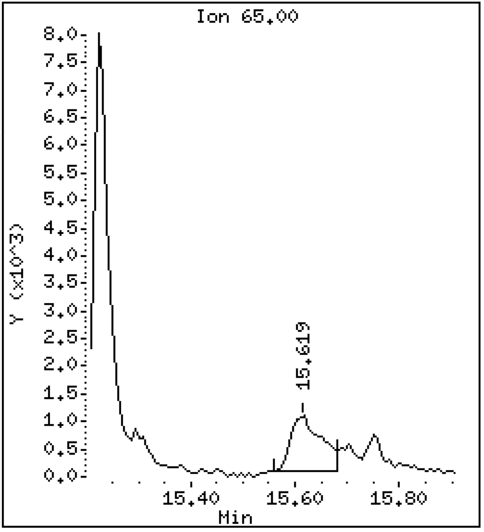












Data File: \\target\share\chem3\nt14.i\20221230C.b\NT1422123068.D

Date : 01-JAN-2023 00:42

Client ID:

Instrument: nt14.i

Sample Info: SKL0355-LCV4

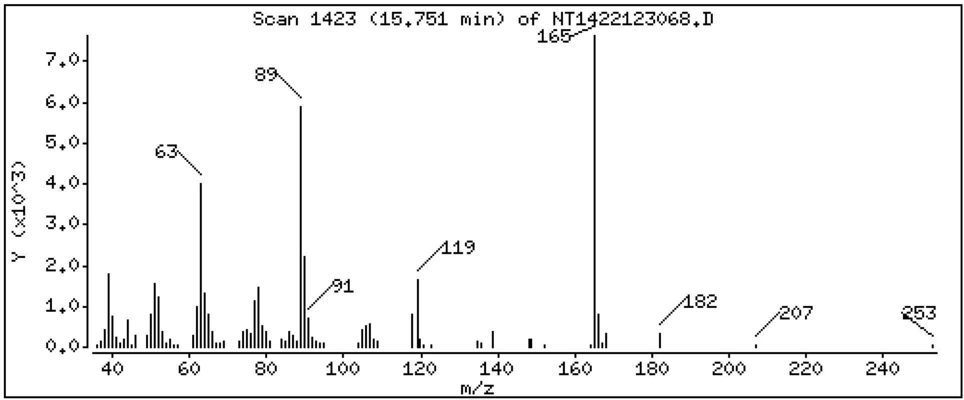
Operator: VTS

Column phase: ZB-5msi

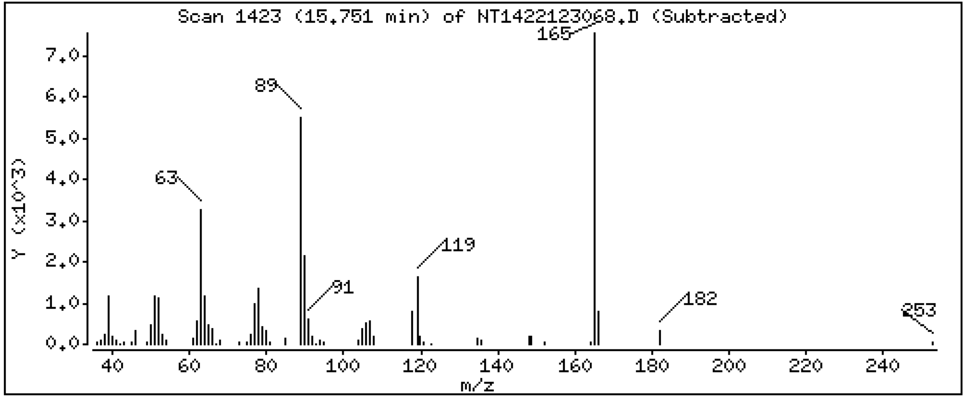
Column diameter: 0.25

48 2,4-Dinitrotoluene

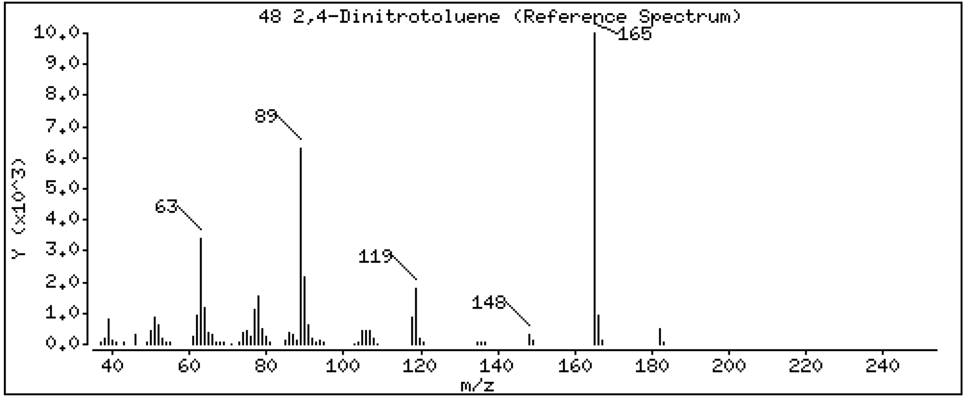
Concentration: 0.7780 ug/mL



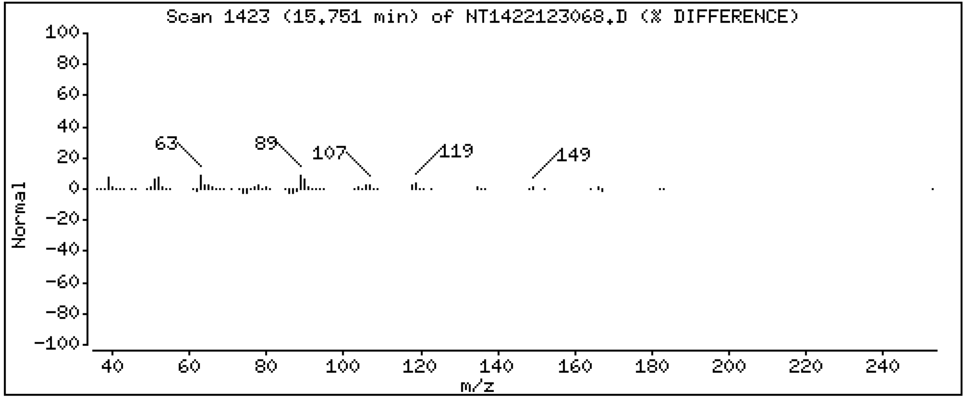
Scan 1423 (15.751 min) of NT1422123068.D



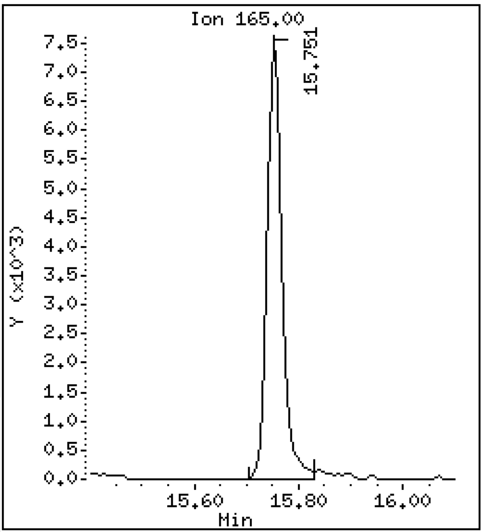
Scan 1423 (15.751 min) of NT1422123068.D (Subtracted)



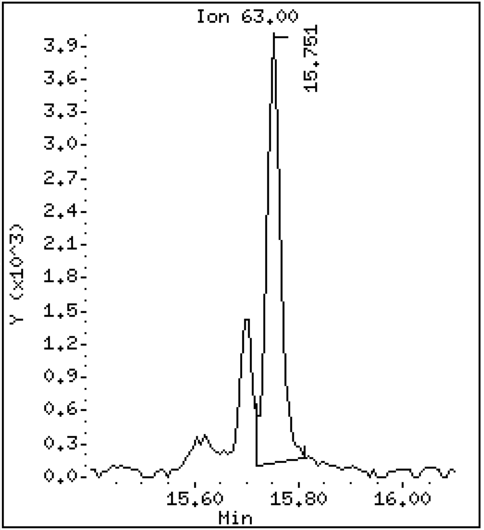
48 2,4-Dinitrotoluene (Reference Spectrum)



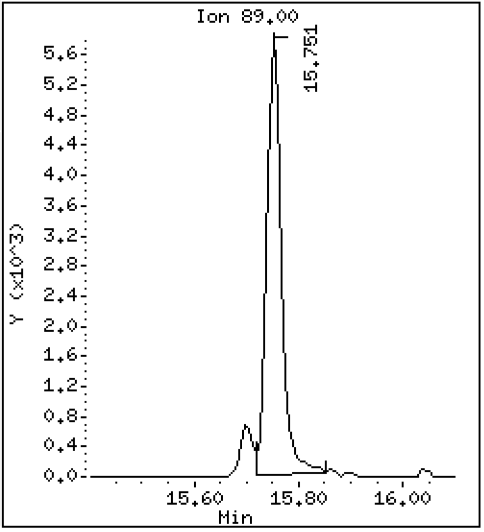
Scan 1423 (15.751 min) of NT1422123068.D (% DIFFERENCE)



Ion 165.00



Ion 63.00



Ion 89.00

Data File: \\target\share\chem3\nt14.i\20221230C.b\NT1422123068.D

Date : 01-JAN-2023 00:42

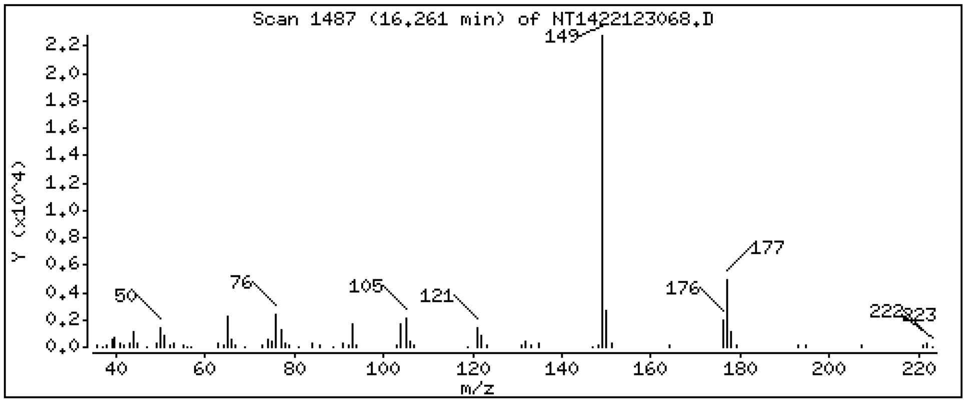
Client ID: Instrument: nt14.i

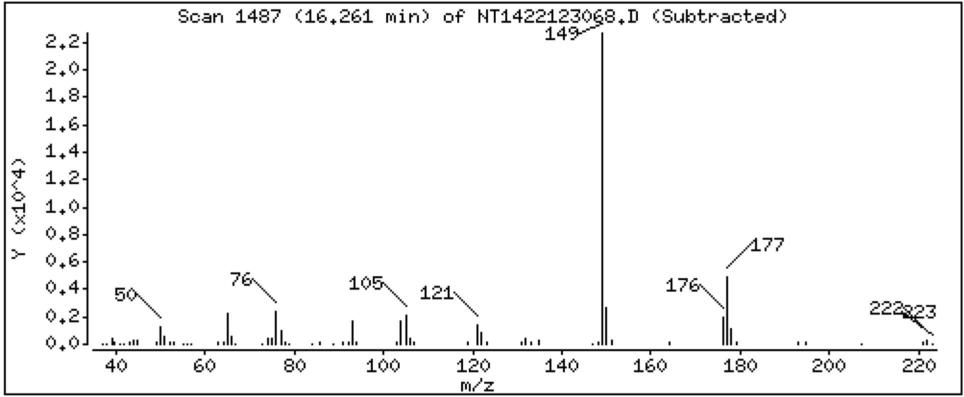
Sample Info: SKL0355-LCV4

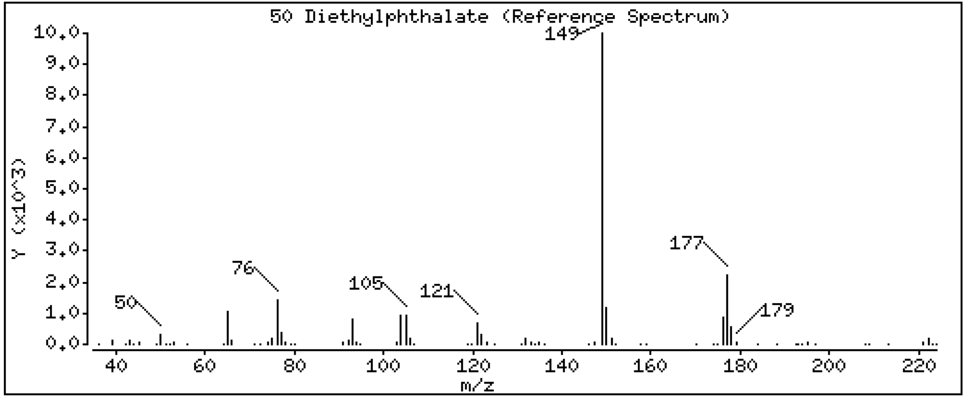
Operator: VTS

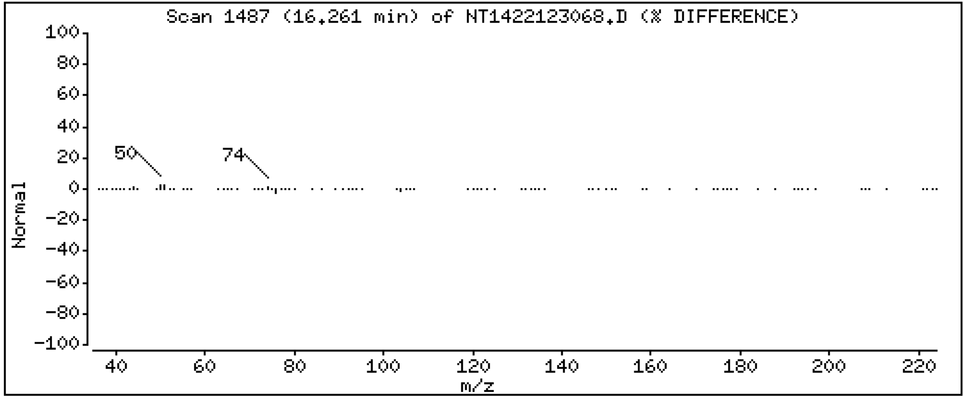
Column phase: ZB-5msi Column diameter: 0.25

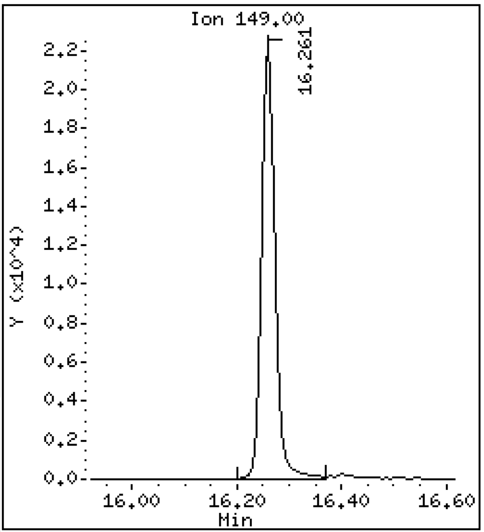
50 Diethylphthalate Concentration: 0.5719 ug/mL

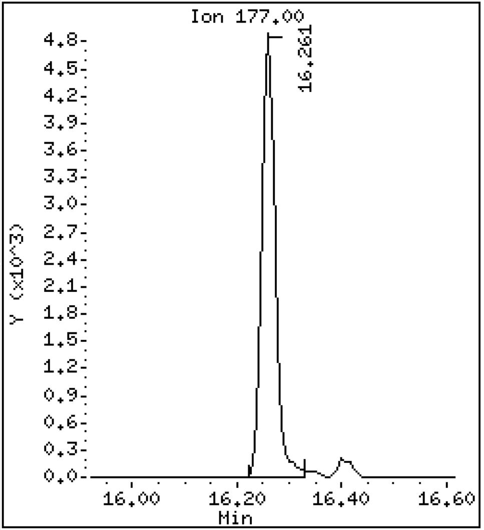


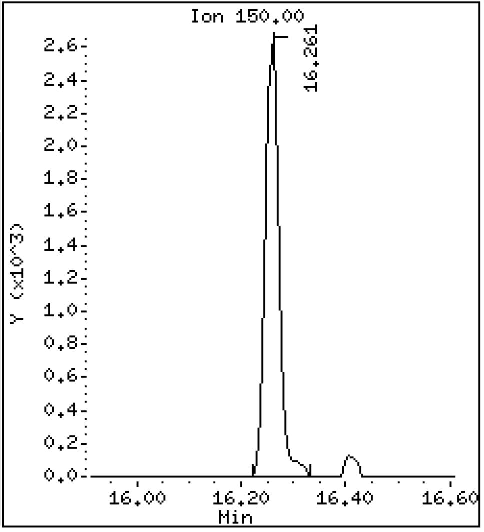












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Date : 01-JAN-2023 00:42

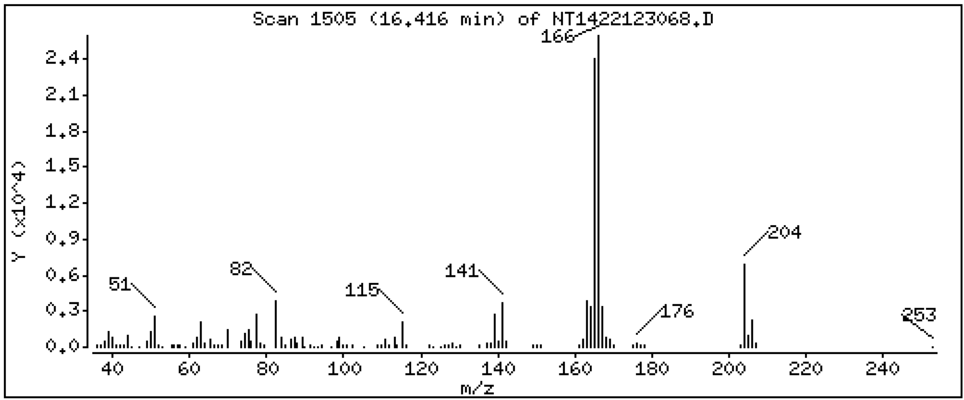
Client ID: Instrument: nt14.i

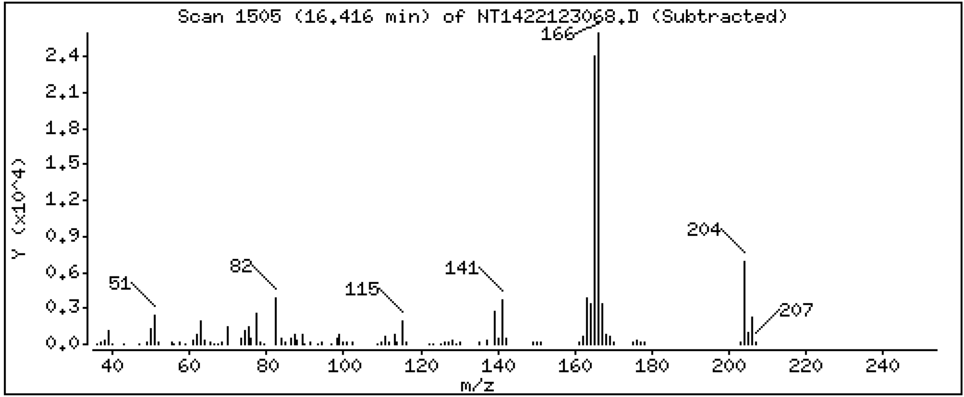
Sample Info: SKL0355-LCV4

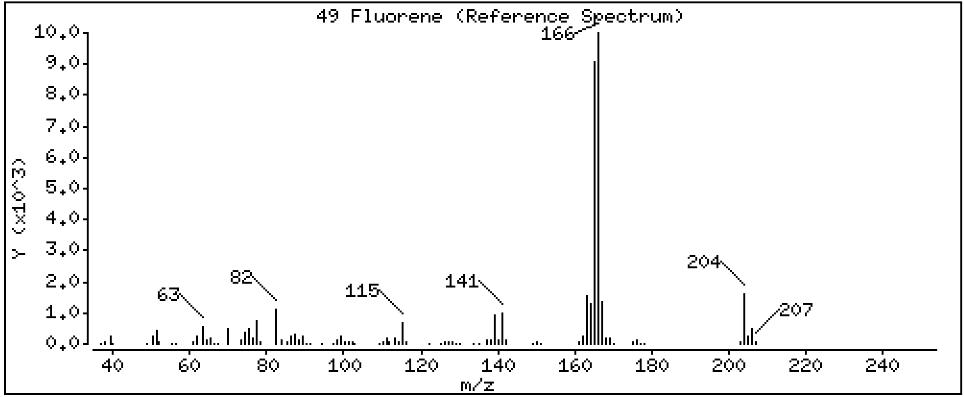
Operator: VTS

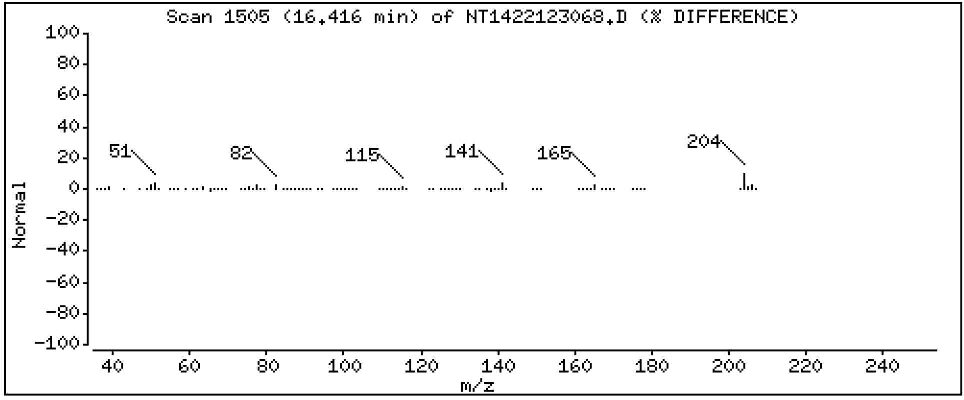
Column phase: ZB-5msi Column diameter: 0.25

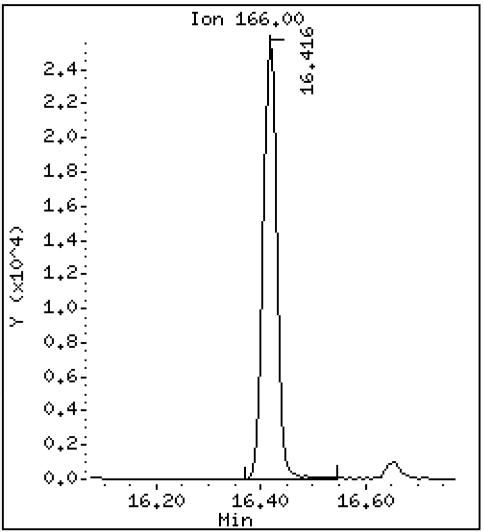
49 Fluorene Concentration: 0.4880 ug/mL

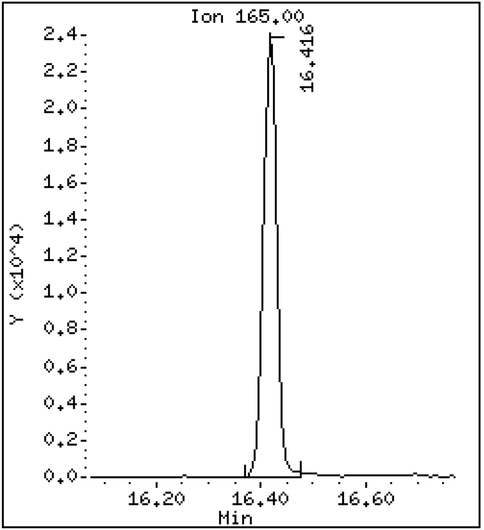

Scan 1505 (16.416 min) of NT1422123068.D

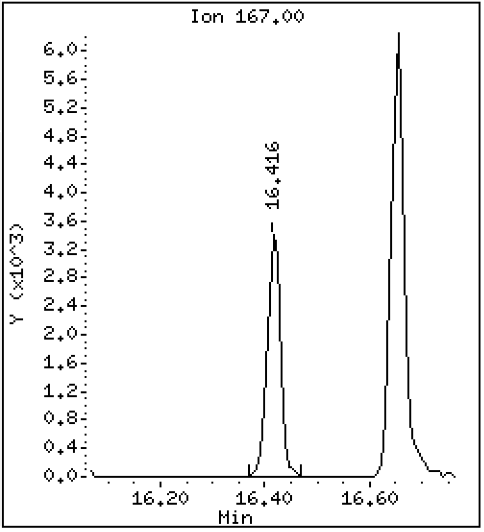

Scan 1505 (16.416 min) of NT1422123068.D (Subtracted)


49 Fluorene (Reference Spectrum)


Scan 1505 (16.416 min) of NT1422123068.D (% DIFFERENCE)


Ion 166.00


Ion 165.00


Ion 167.00

Data File: \\target\share\chem3\nt14.i\20221230C.b\NT1422123068.D

Date : 01-JAN-2023 00:42

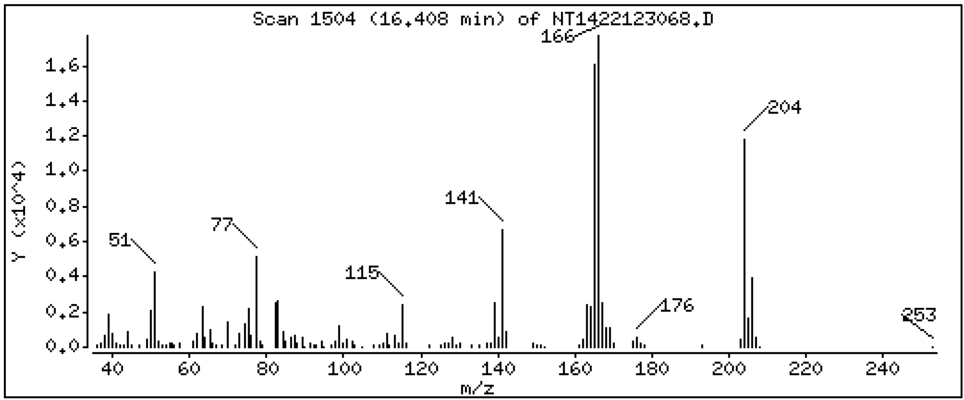
Client ID: Instrument: nt14.i

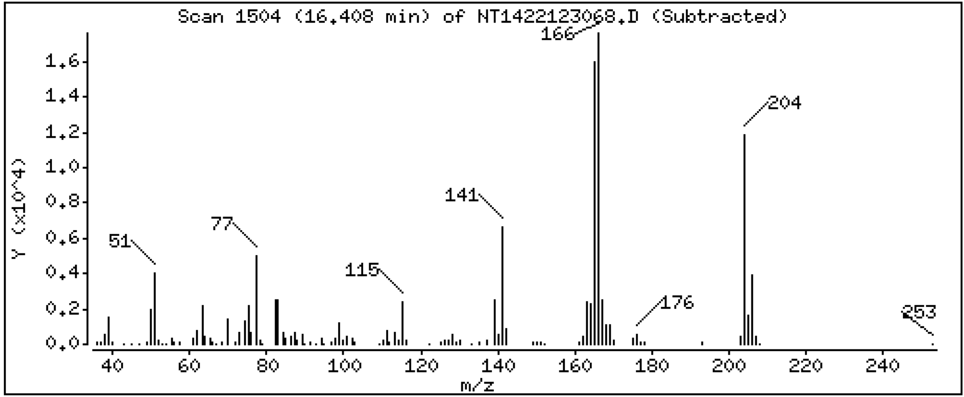
Sample Info: SKL0355-LCV4

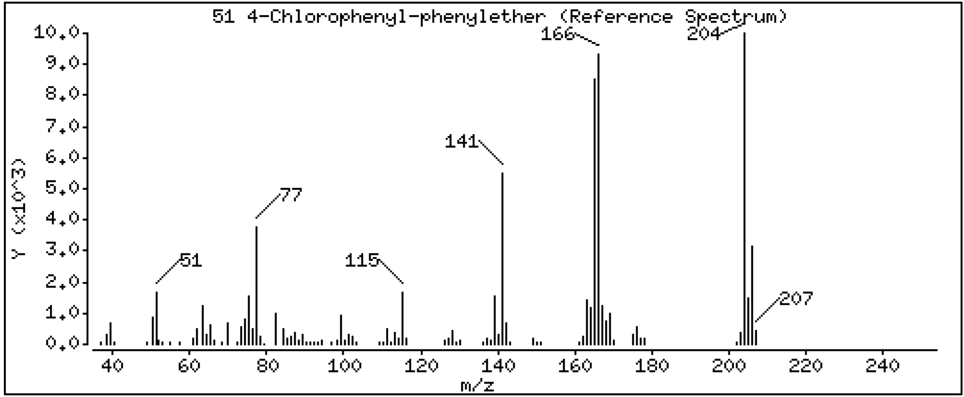
Operator: VTS

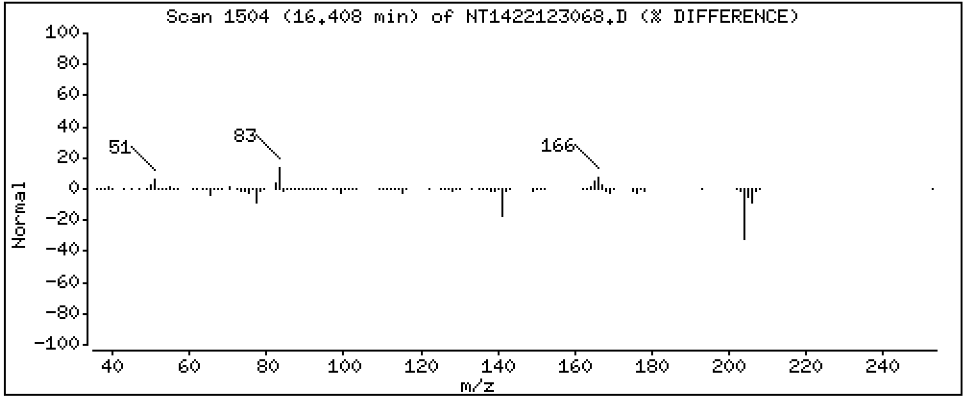
Column phase: ZB-5msi Column diameter: 0.25

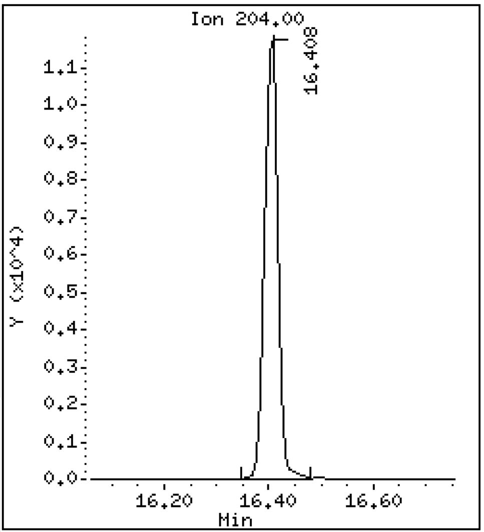
51 4-Chlorophenyl-phenylether Concentration: 0.5123 ug/mL

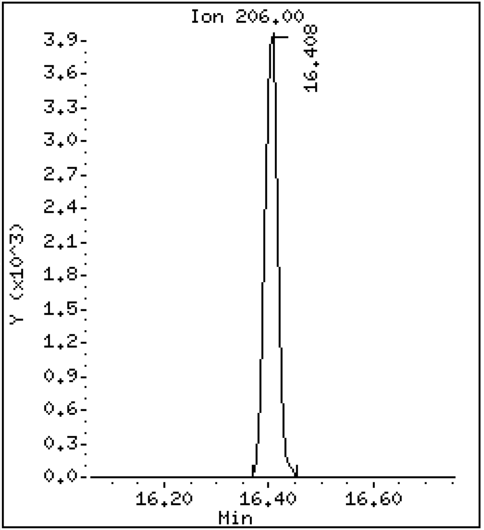

Scan 1504 (16.408 min) of NT1422123068.D

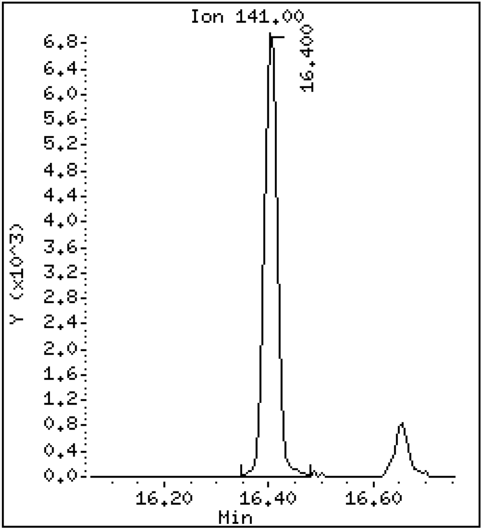

Scan 1504 (16.408 min) of NT1422123068.D (Subtracted)


51 4-Chlorophenyl-phenylether (Reference Spectrum)


Scan 1504 (16.408 min) of NT1422123068.D (% DIFFERENCE)


Ion 204.00


Ion 206.00


Ion 141.00

Data File: \\target\share\chem3\nt14.i\20221230C.b\NT1422123068.D

Date : 01-JAN-2023 00:42

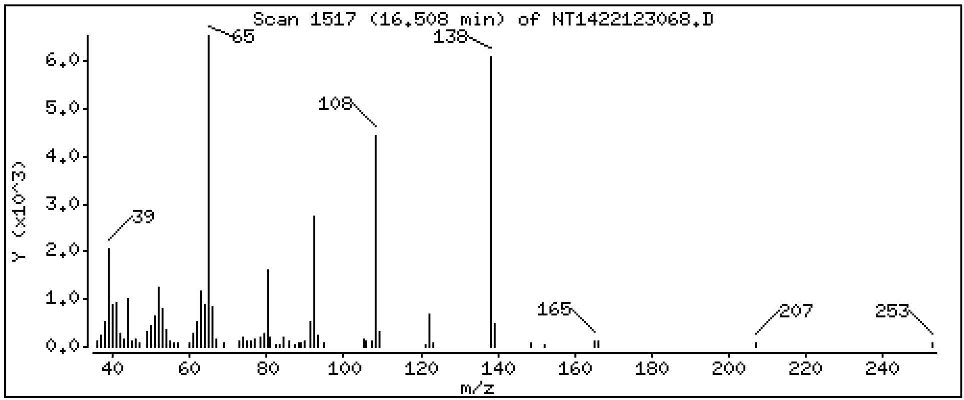
Client ID: Instrument: nt14.i

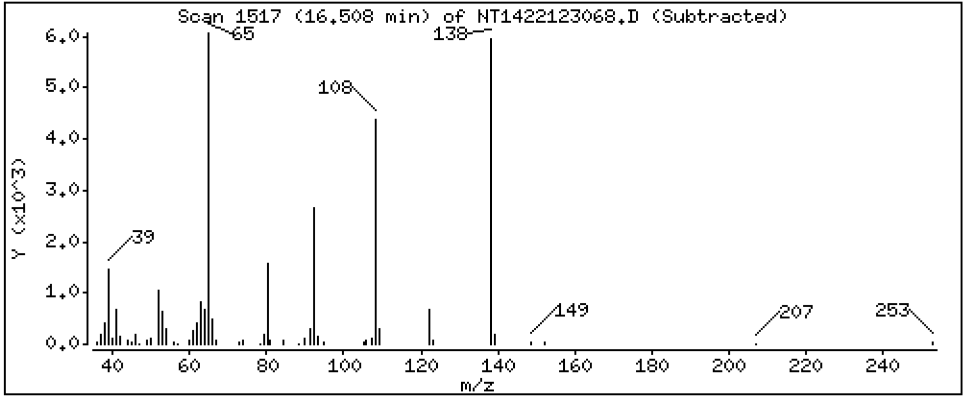
Sample Info: SKL0355-LCV4

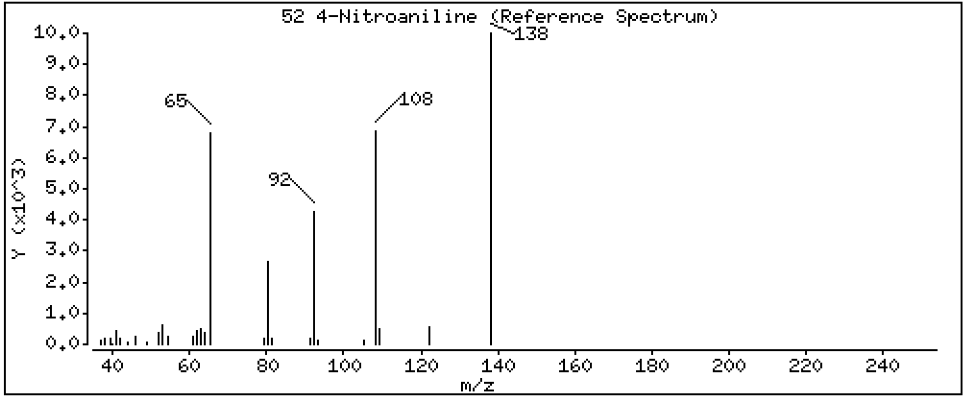
Operator: VTS

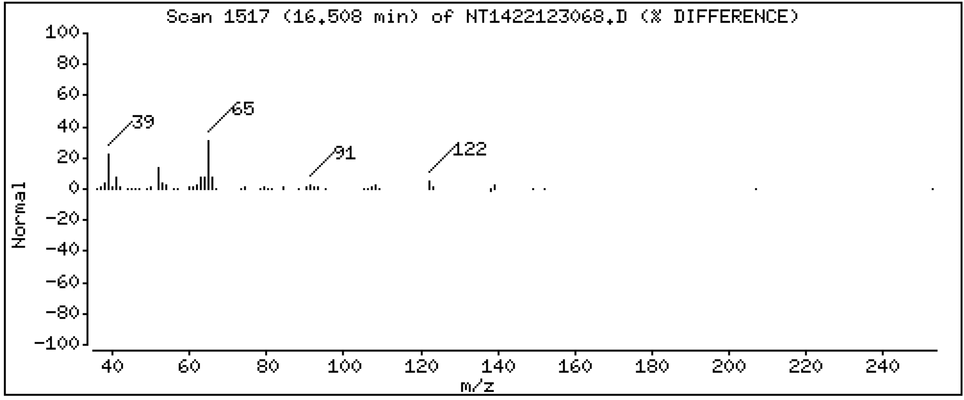
Column phase: ZB-5msi Column diameter: 0.25

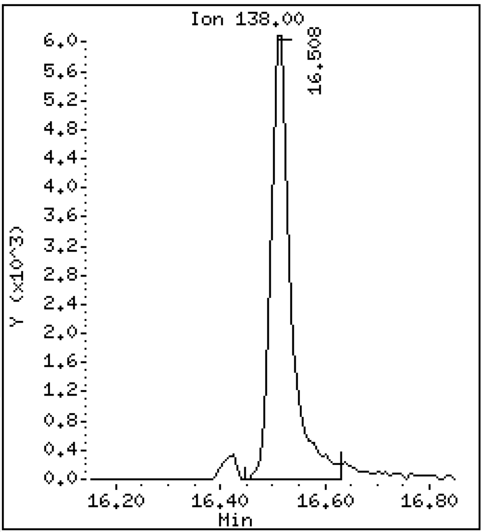
52 4-Nitroaniline Concentration: 0.8313 ug/mL

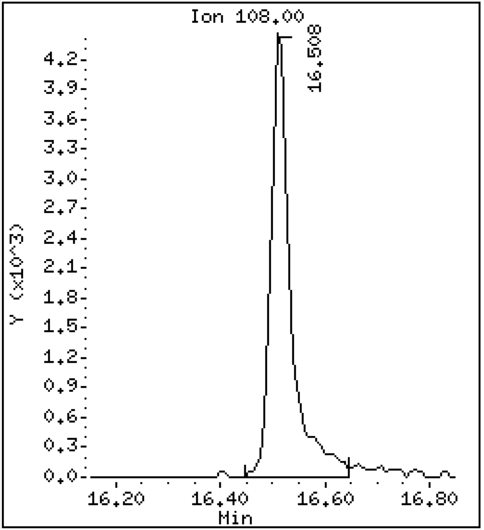


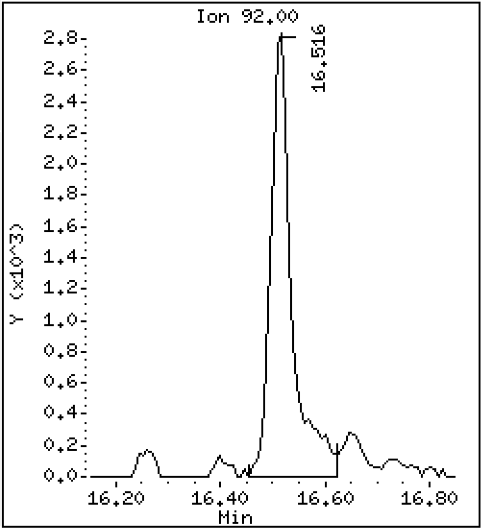












Date : 01-JAN-2023 00:42

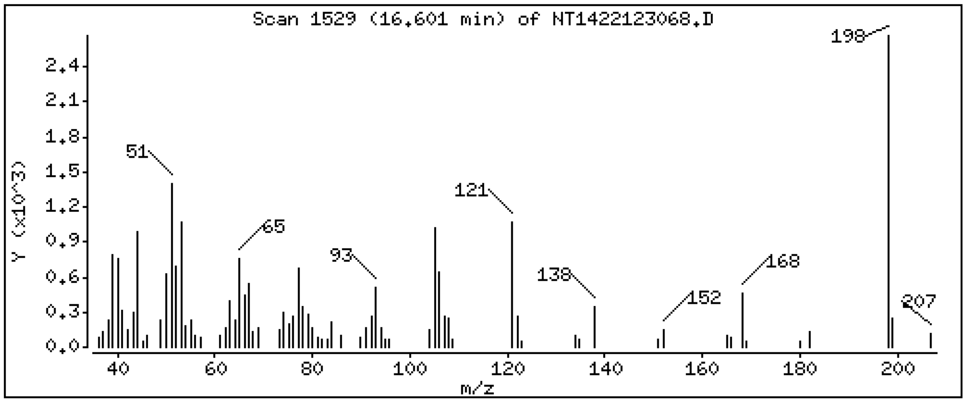
Client ID: Instrument: nt14.i

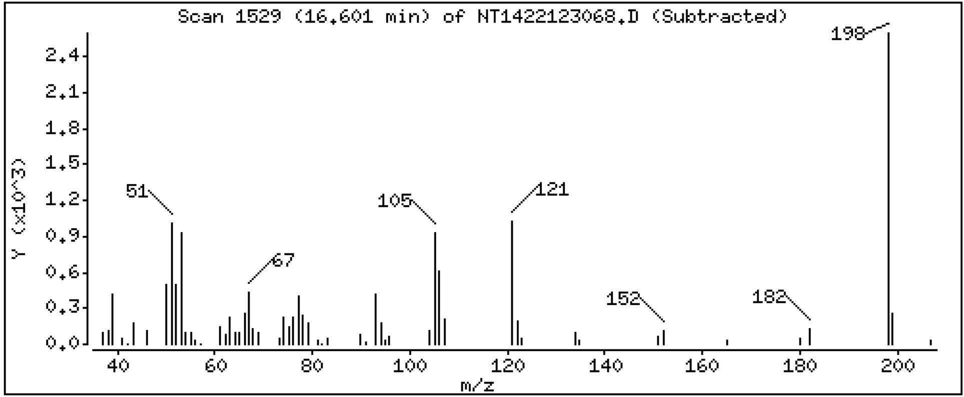
Sample Info: SKL0355-LCV4

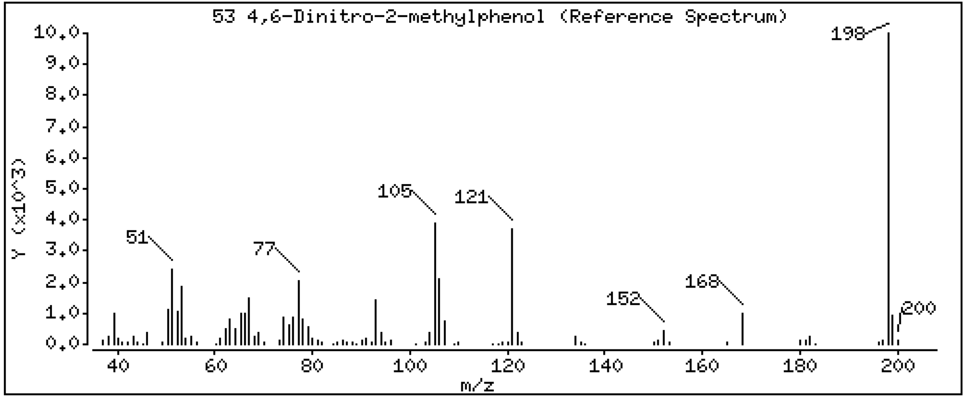
Operator: VTS

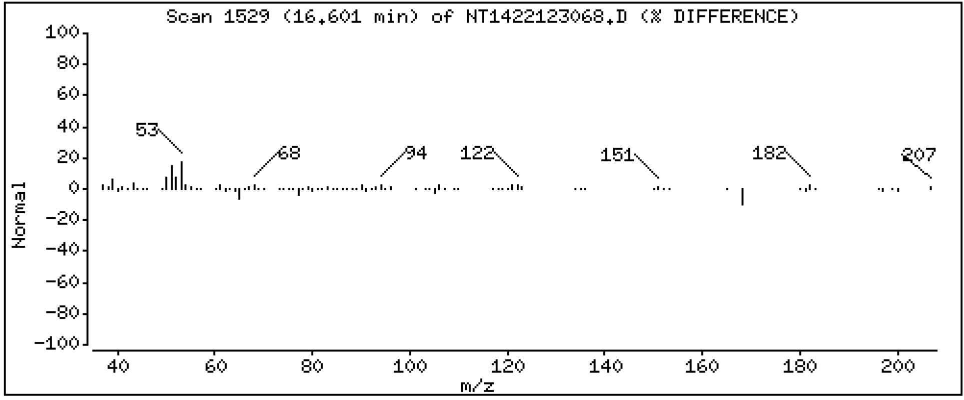
Column phase: ZB-5msi Column diameter: 0.25

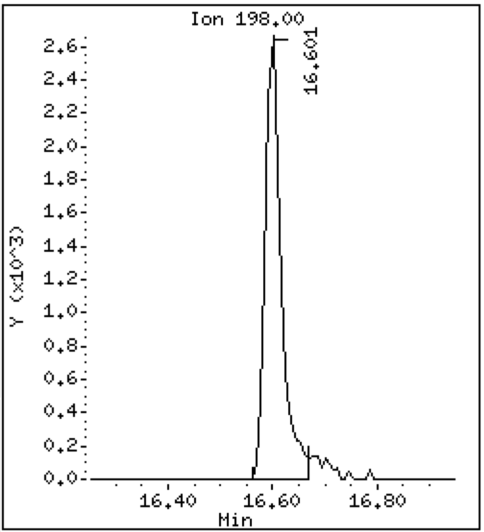
53 4,6-Dinitro-2-methylphenol Concentration: 0.3826 ug/mL

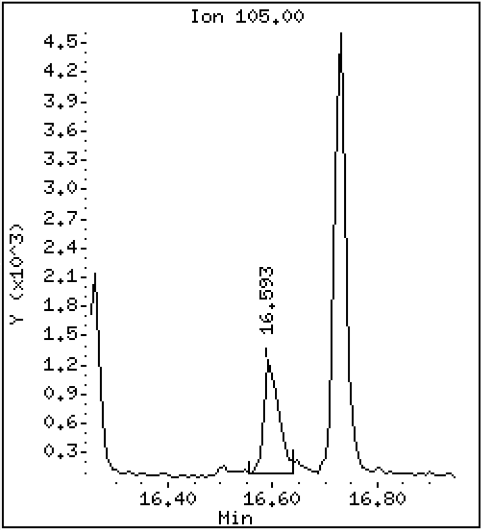

Scan 1529 (16.601 min) of NT1422123068.D

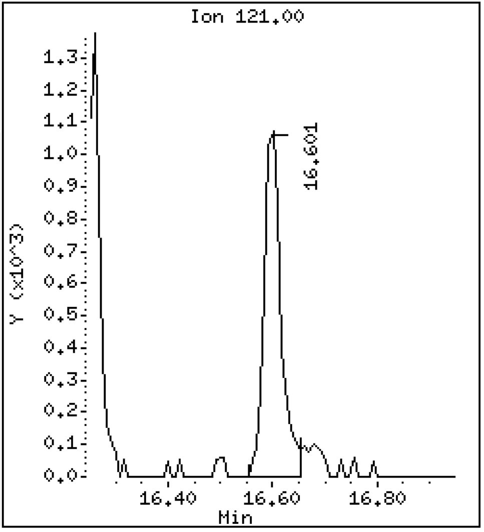

Scan 1529 (16.601 min) of NT1422123068.D (Subtracted)


53 4,6-Dinitro-2-methylphenol (Reference Spectrum)


Scan 1529 (16.601 min) of NT1422123068.D (% DIFFERENCE)


Ion 198.00


Ion 105.00


Ion 121.00

Data File: \\target\share\chem3\nt14.i\20221230C.b\NT1422123068.D Page 46

Date : 01-JAN-2023 00:42

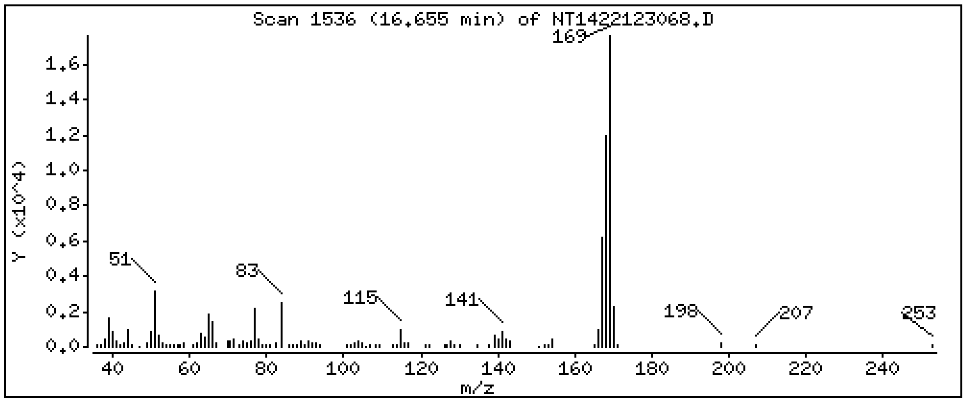
Client ID: Instrument: nt14.i

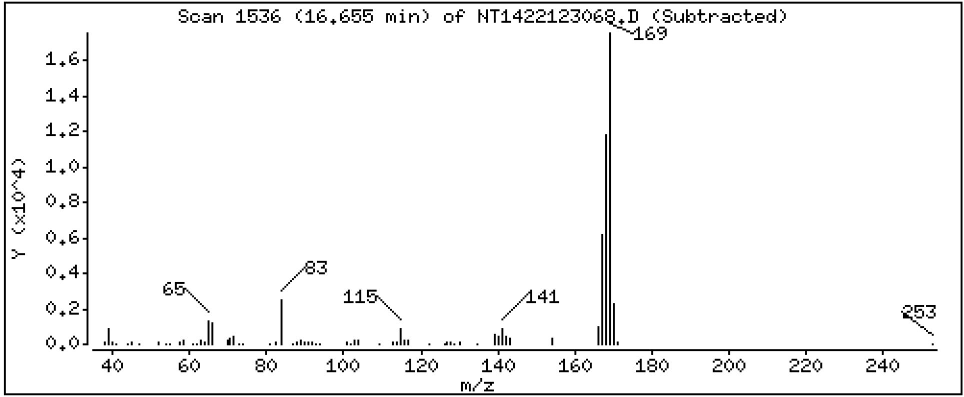
Sample Info: SKL0355-LCV4

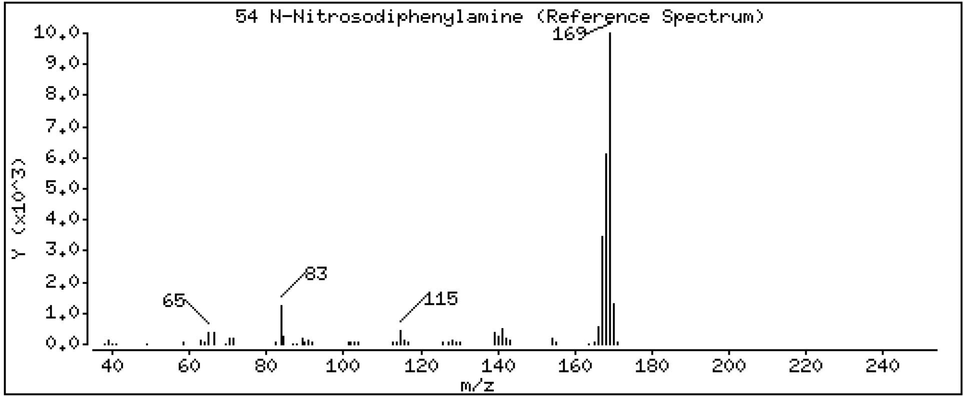
Operator: VTS

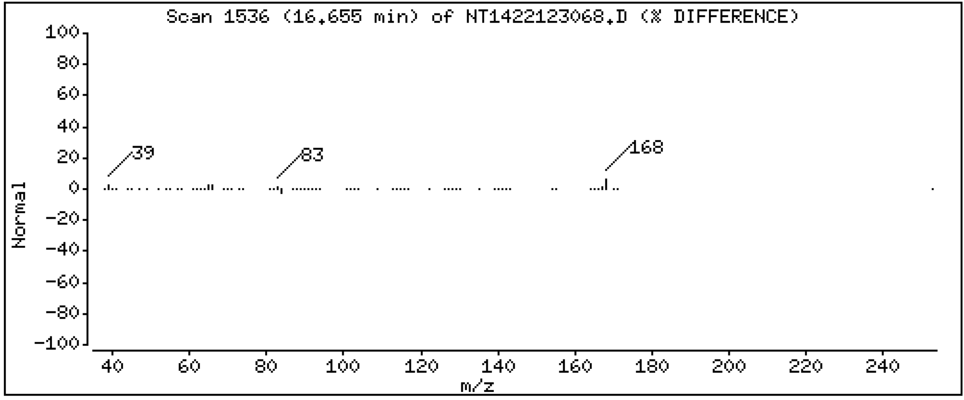
Column phase: ZB-5msi Column diameter: 0.25

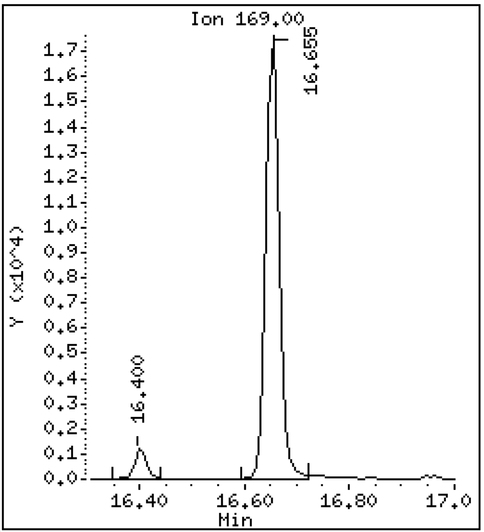
54 N-Nitrosodiphenylamine Concentration: 0.5115 ug/mL

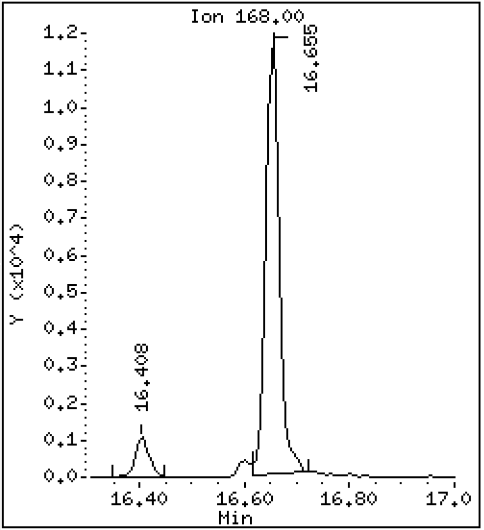

Scan 1536 (16.655 min) of NT1422123068.D


Scan 1536 (16.655 min) of NT1422123068.D (Subtracted)


54 N-Nitrosodiphenylamine (Reference Spectrum)


Scan 1536 (16.655 min) of NT1422123068.D (% DIFFERENCE)


Ion 169.00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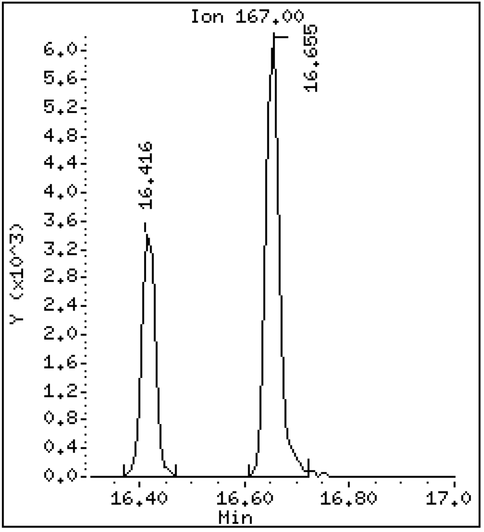

Ion 167.00

Data File: \\target\share\chem3\nt14.i\20221230C.b\NT1422123068.D

Date : 01-JAN-2023 00:42

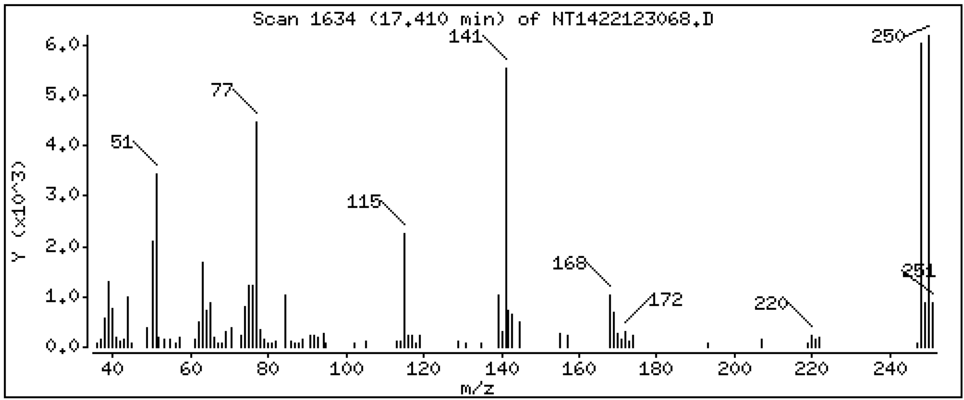
Client ID: Instrument: nt14.i

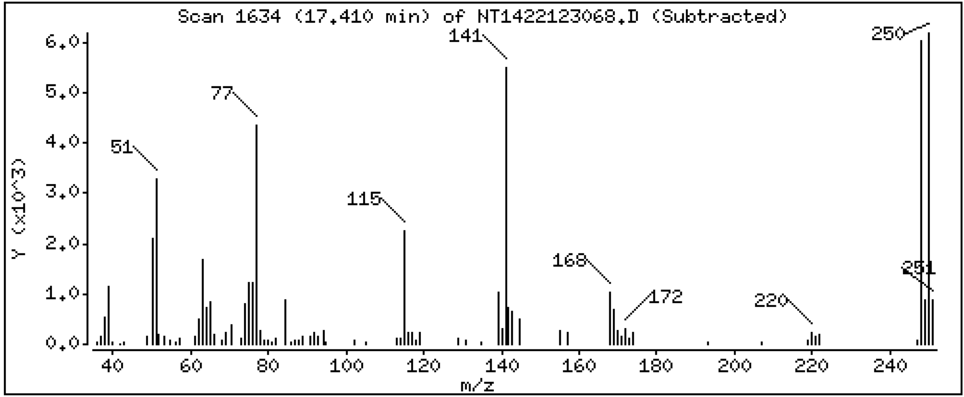
Sample Info: SKL0355-LCV4

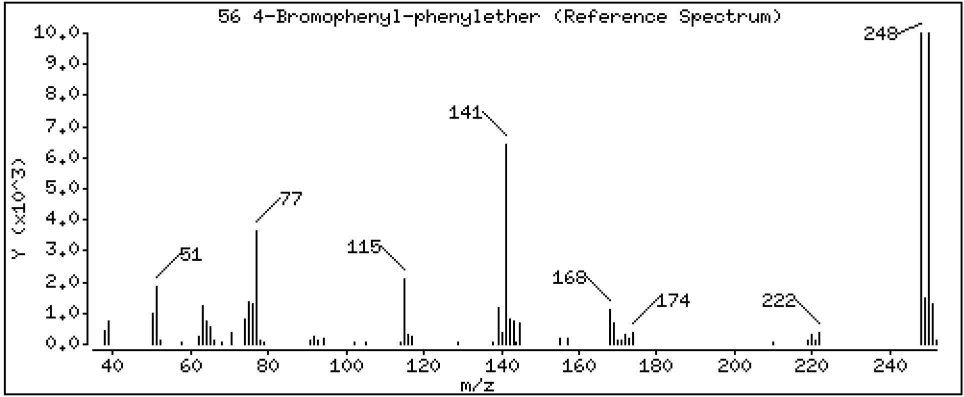
Operator: VTS

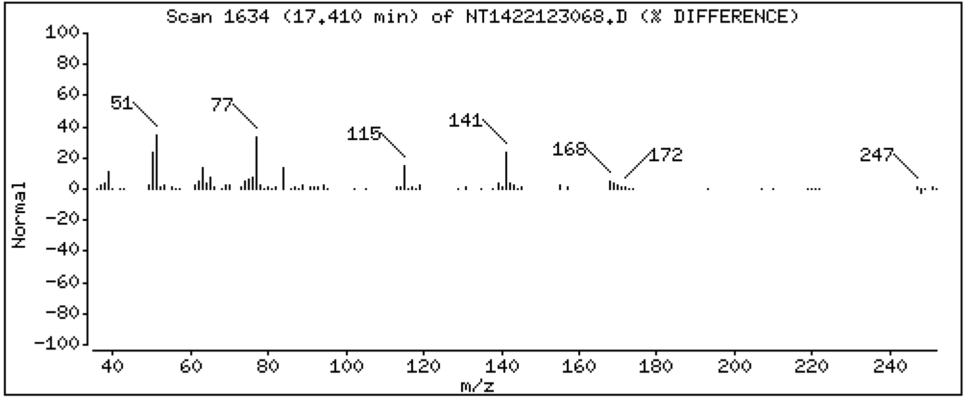
Column phase: ZB-5msi Column diameter: 0.25

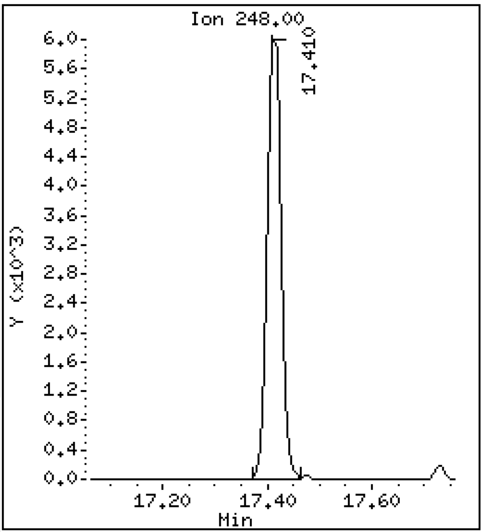
56 4-Bromophenyl-phenylether Concentration: 0.4732 ug/mL

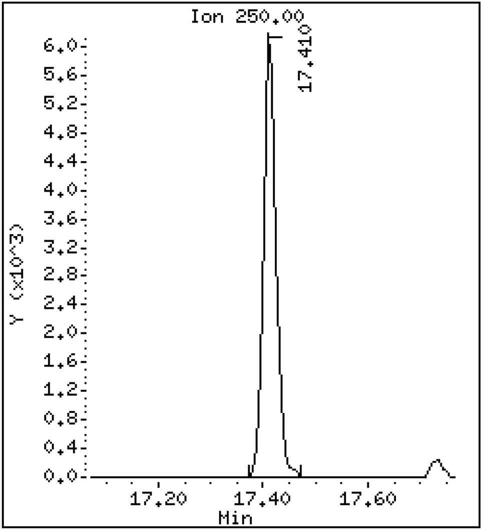


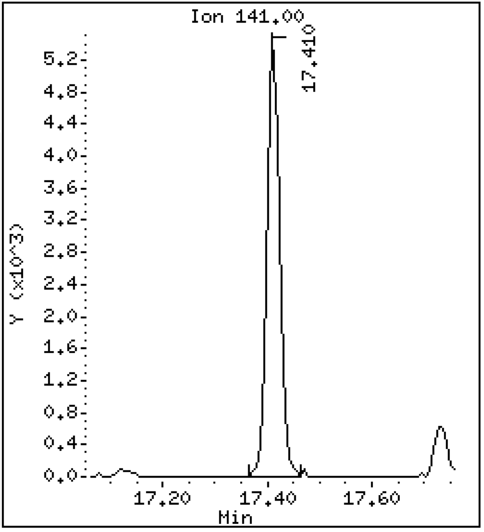












Data File: \\target\share\chem3\nt14.i\20221230C.b\NT1422123068.D

Date : 01-JAN-2023 00:42

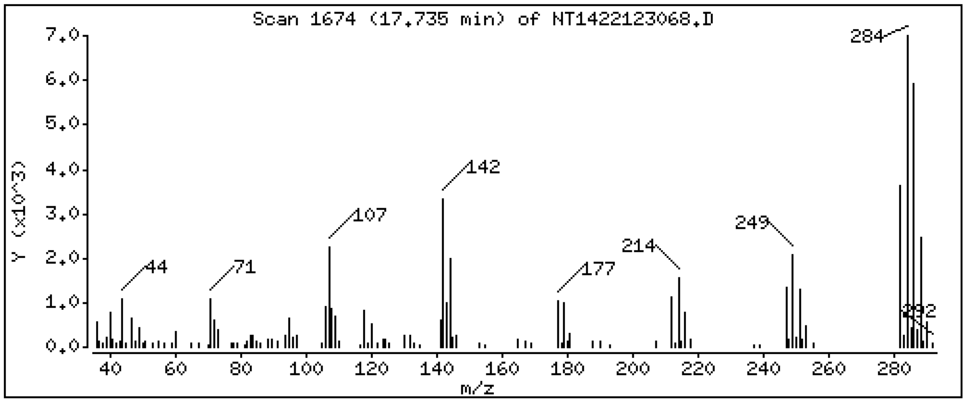
Client ID: Instrument: nt14.i

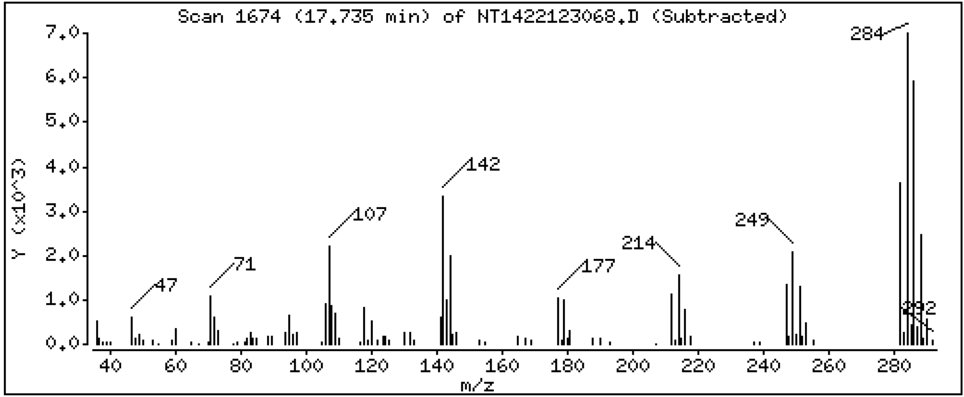
Sample Info: SKL0355-LCV4

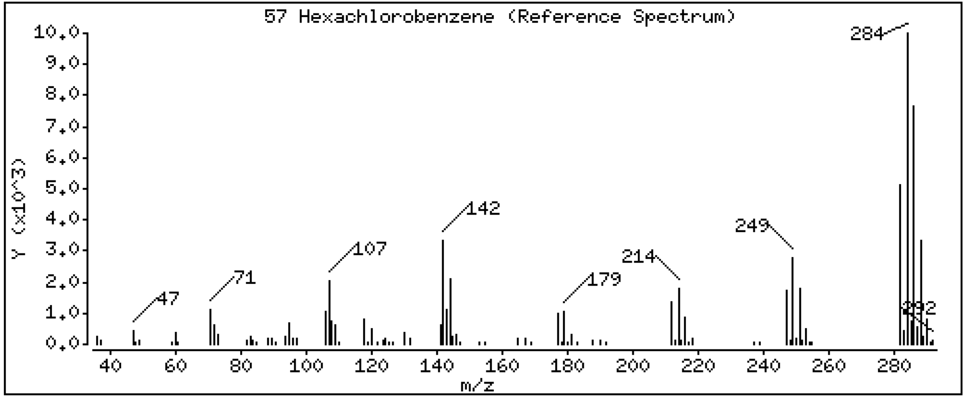
Operator: VTS

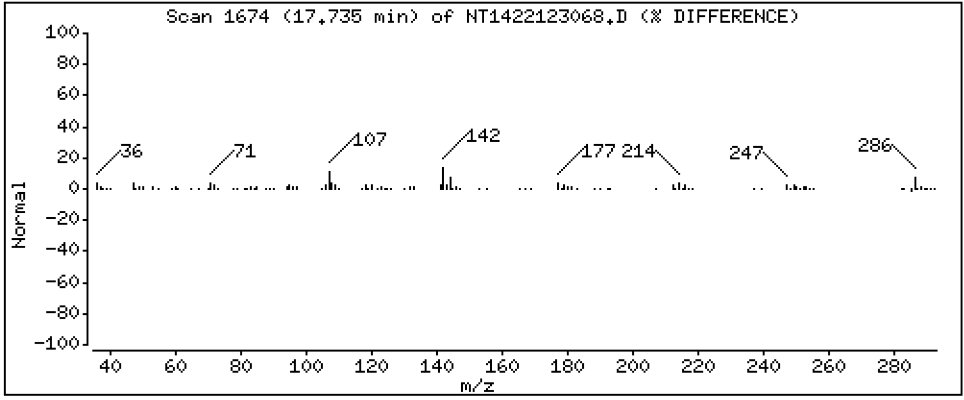
Column phase: ZB-5msi Column diameter: 0.25

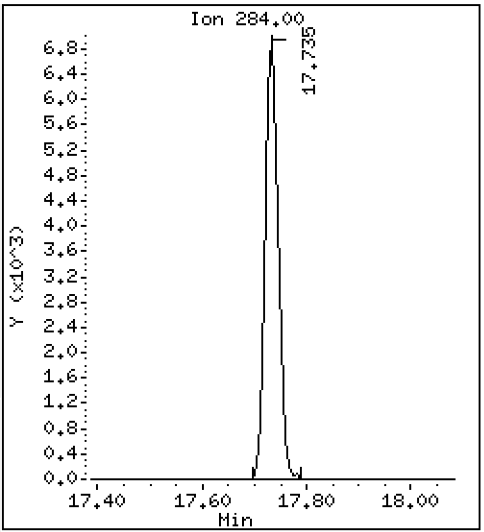
57 Hexachlorobenzene Concentration: 0.4872 ug/mL

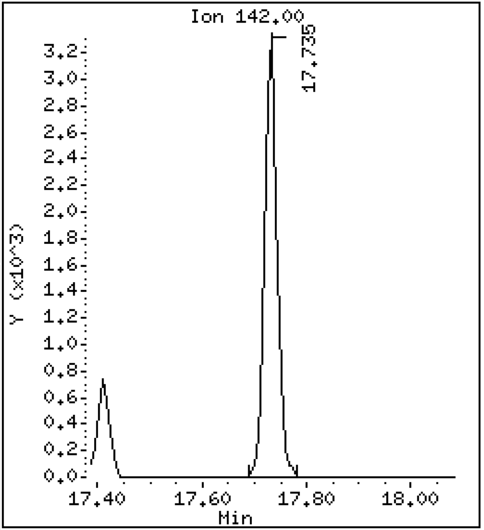


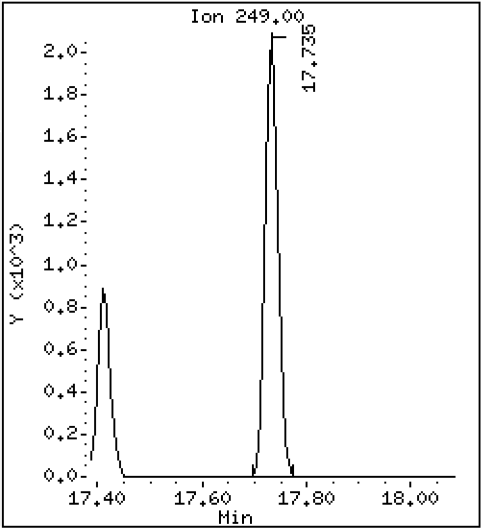












Data File: \\target\share\chem3\nt14.i\20221230C.b\NT1422123068.D

Date : 01-JAN-2023 00:42

Client ID:

Instrument: nt14.i

Sample Info: SKL0355-LCV4

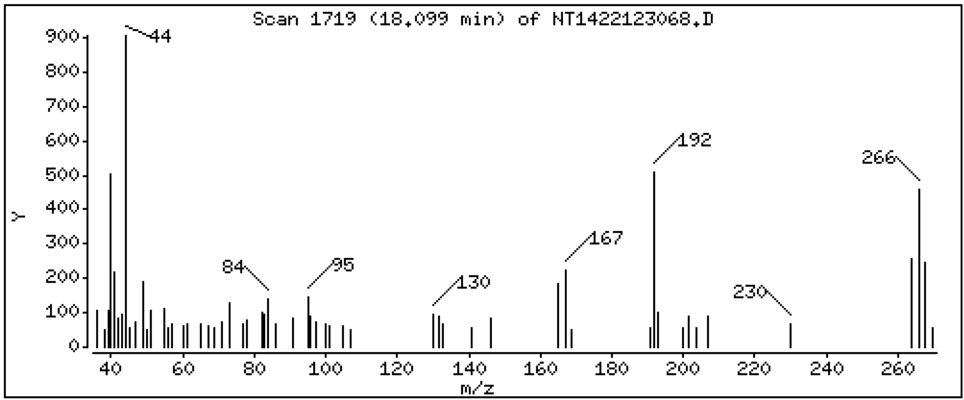
Operator: VTS

Column phase: ZB-5msi

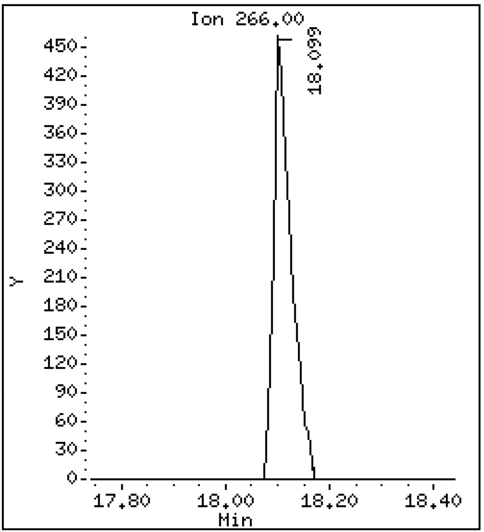
Column diameter: 0.25

58 Pentachlorophenol

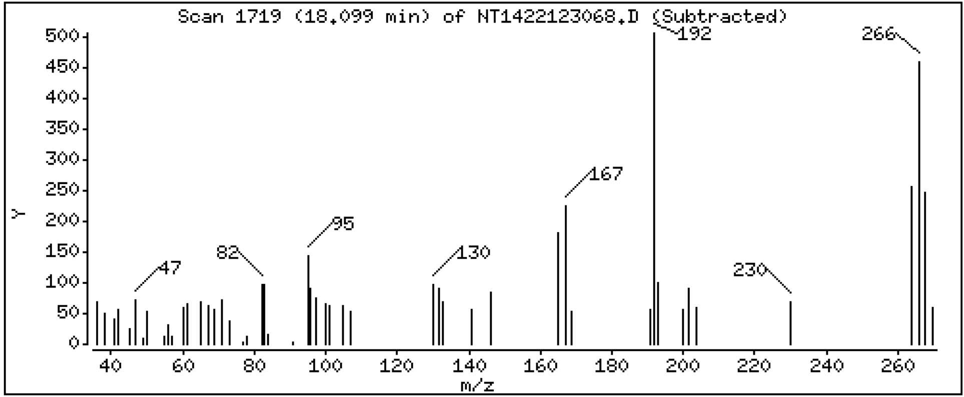
Concentration: 0.1037 ug/mL



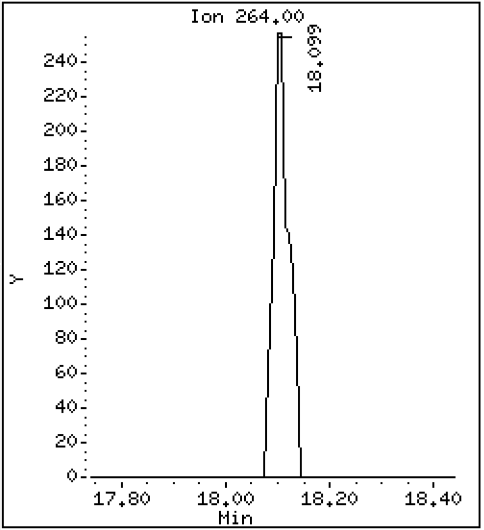
Scan 1719 (18.099 min) of NT1422123068.D



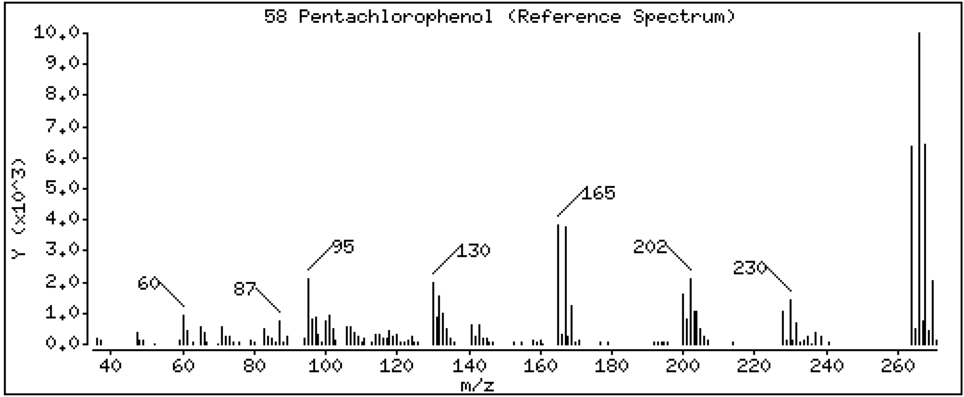
Ion 266.00



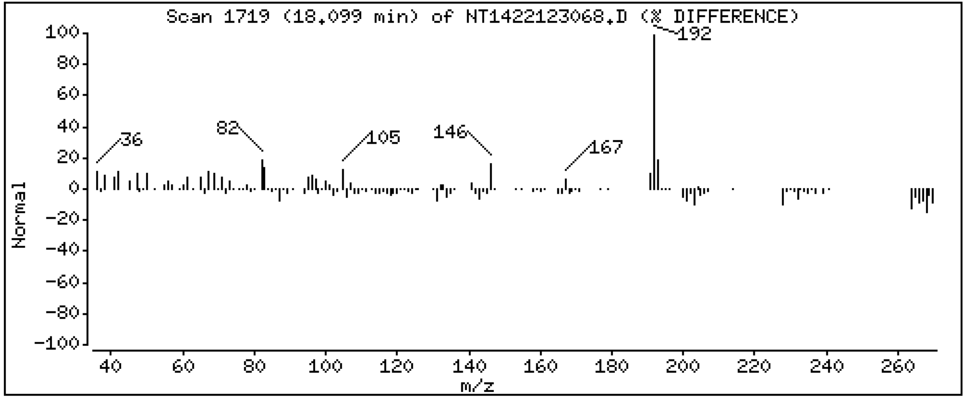
Scan 1719 (18.099 min) of NT1422123068.D (Subtracted)



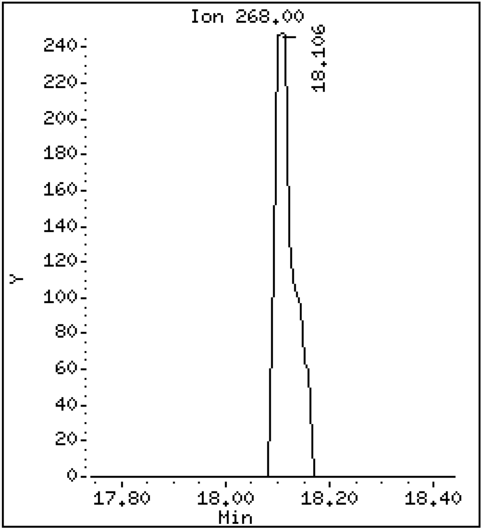
Ion 264.00



58 Pentachlorophenol (Reference Spectrum)



Scan 1719 (18.099 min) of NT1422123068.D (% DIFFERENCE)



Ion 268.00

Data File: \\target\share\chem3\nt14.i\20221230C.b\NT1422123068.D

Date : 01-JAN-2023 00:42

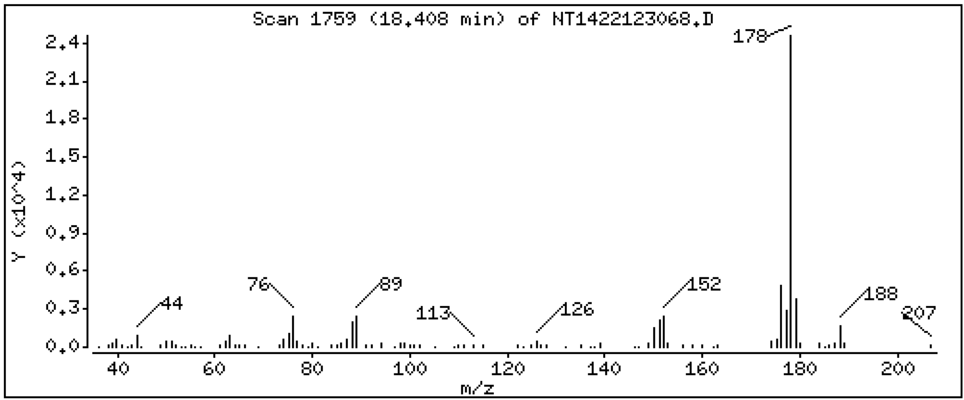
Client ID: Instrument: nt14.i

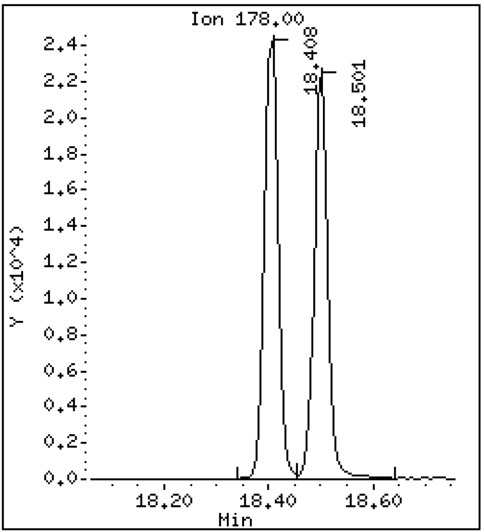
Sample Info: SKL0355-LCV4

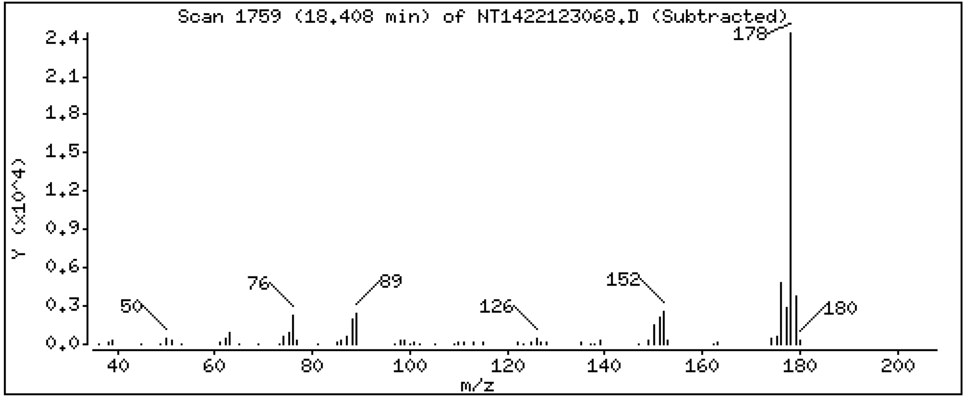
Operator: VTS

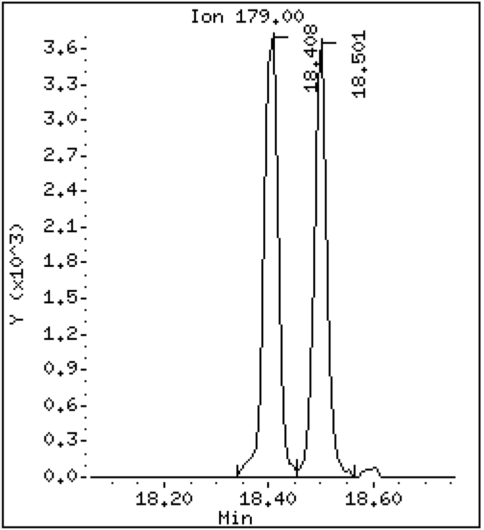
Column phase: ZB-5msi Column diameter: 0.25

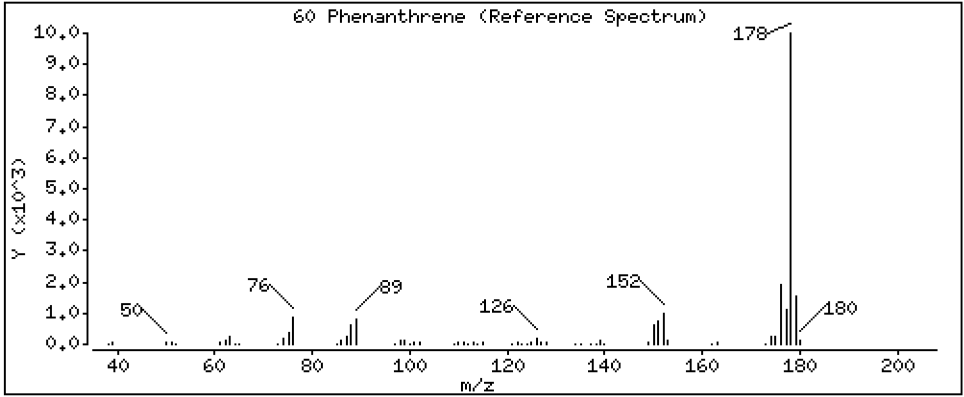
60 Phenanthrene Concentration: 0.4832 ug/mL

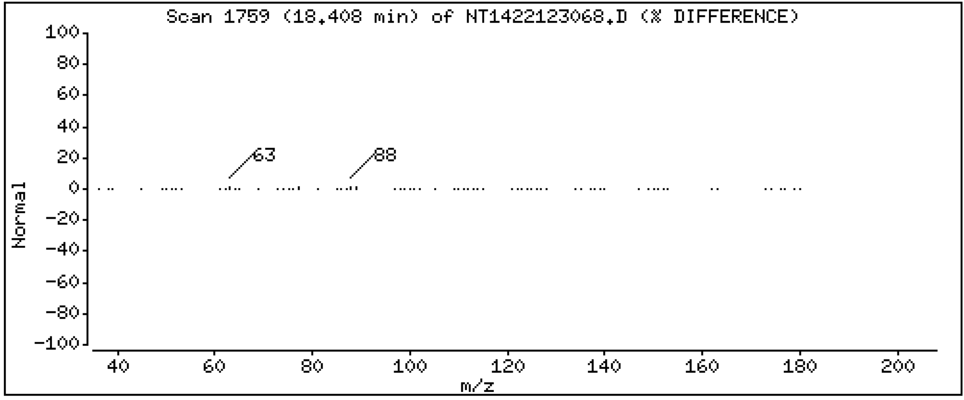


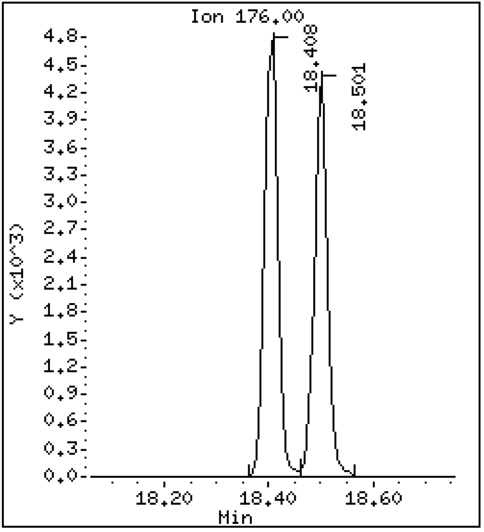












Data File: \\target\share\chem3\nt14.i\20221230C.b\NT1422123068.D

Date : 01-JAN-2023 00:42

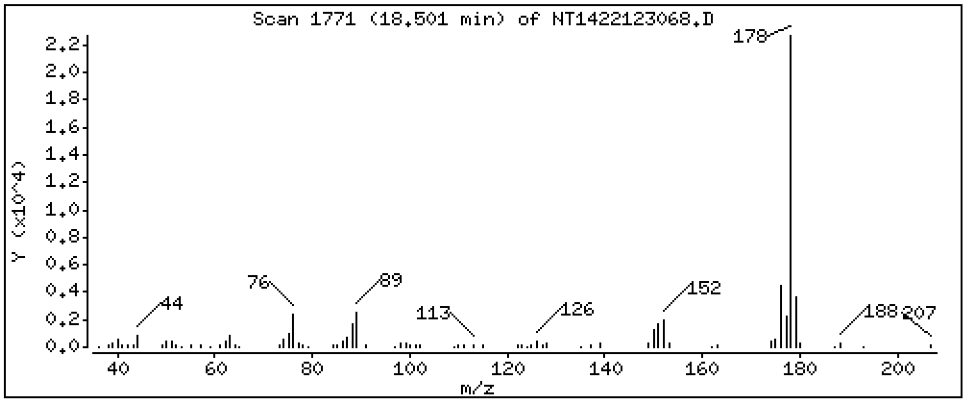
Client ID: Instrument: nt14.i

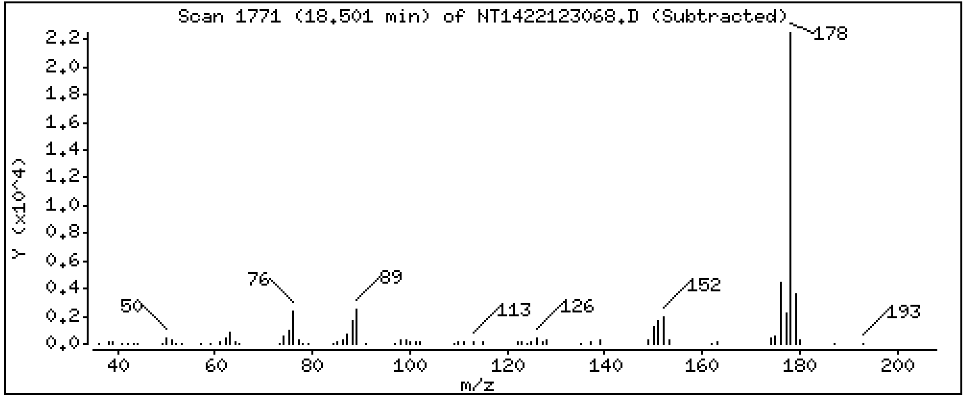
Sample Info: SKL0355-LCV4

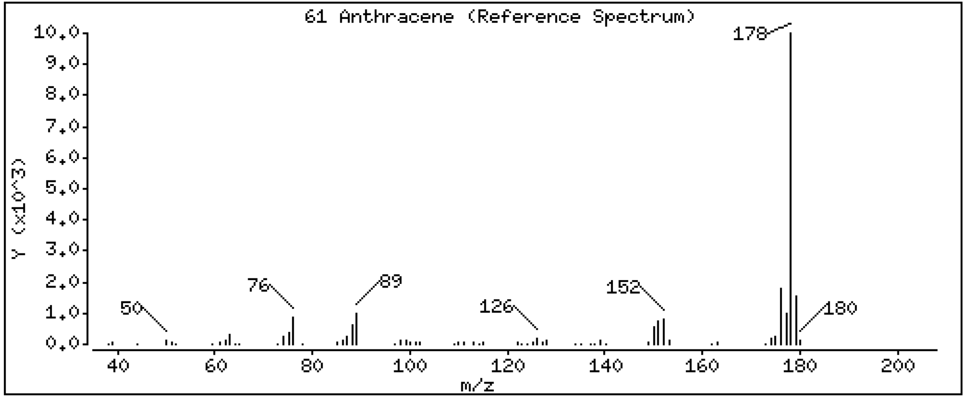
Operator: VTS

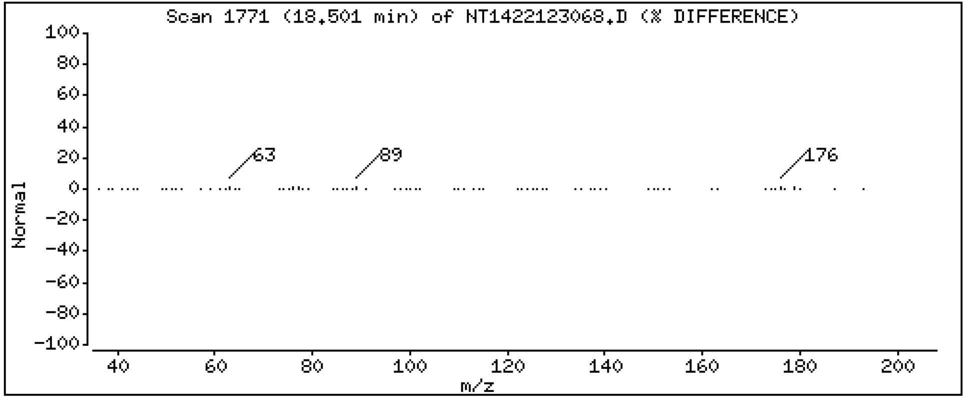
Column phase: ZB-5msi Column diameter: 0.25

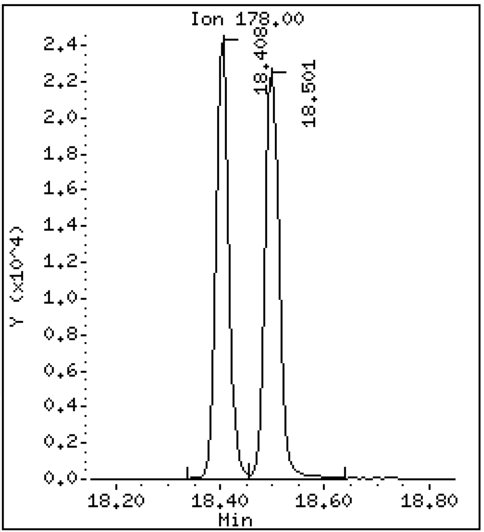
61 Anthracene Concentration: 0.4848 ug/mL

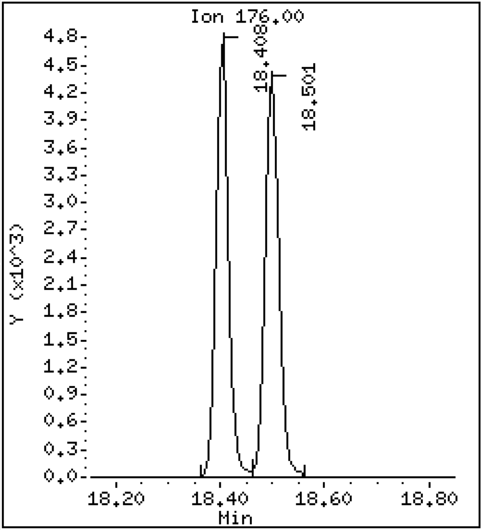

Scan 1771 (18.501 min) of NT1422123068.D

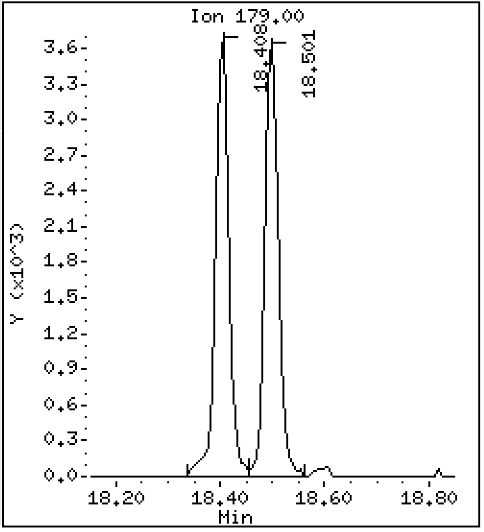

Scan 1771 (18.501 min) of NT1422123068.D (Subtracted)


61 Anthracene (Reference Spectrum)


Scan 1771 (18.501 min) of NT1422123068.D (% DIFFERENCE)


Ion 178.00


Ion 176.00


Ion 179.00

Data File: \\target\share\chem3\nt14.i\20221230C.b\NT1422123068.D

Date : 01-JAN-2023 00:42

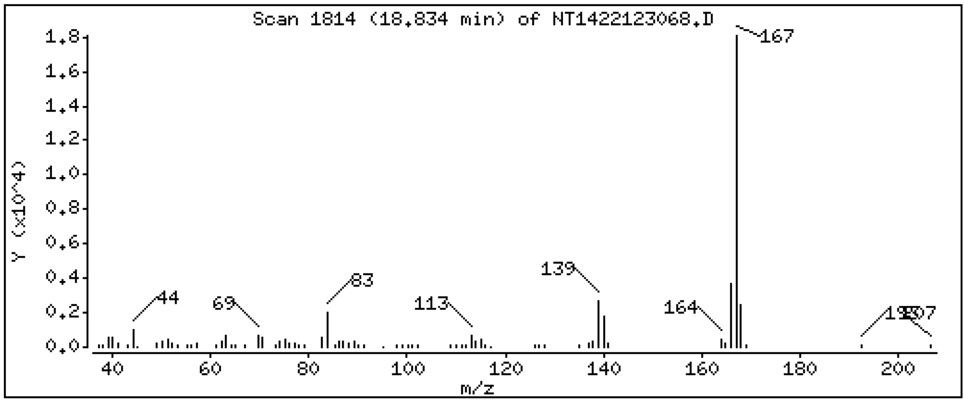
Client ID: Instrument: nt14.i

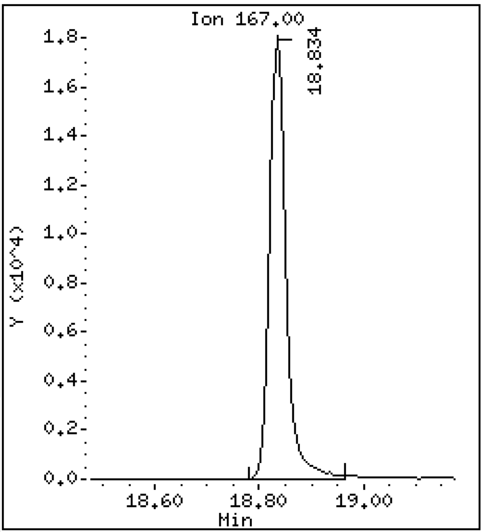
Sample Info: SKL0355-LCV4

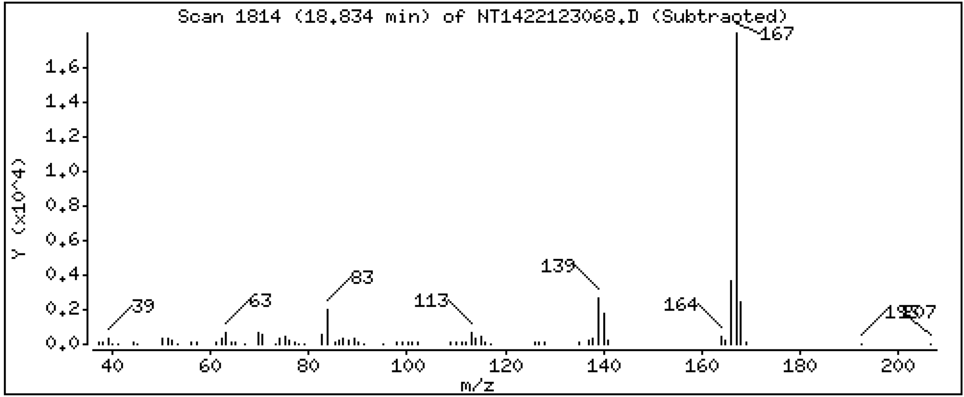
Operator: VTS

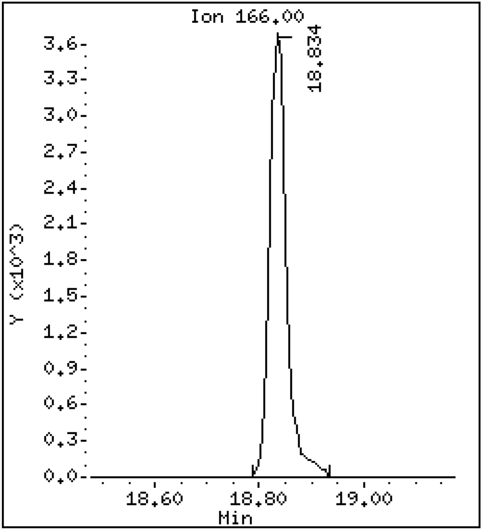
Column phase: ZB-5msi Column diameter: 0.25

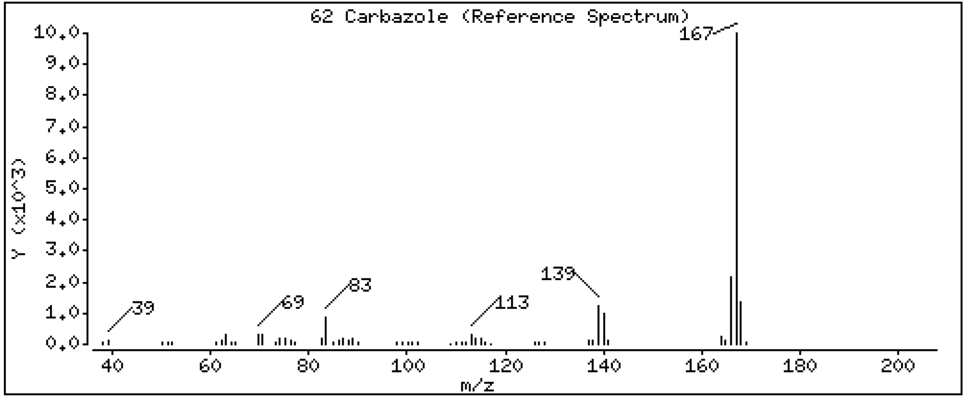
62 Carbazole Concentration: 0.4681 ug/mL

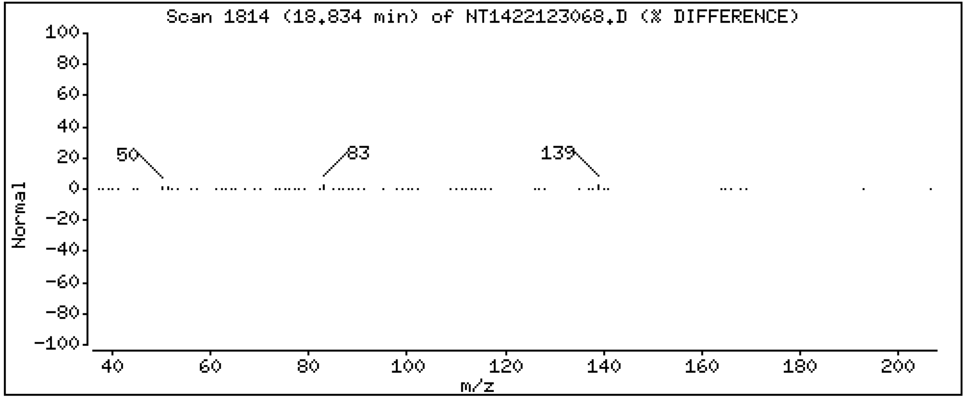


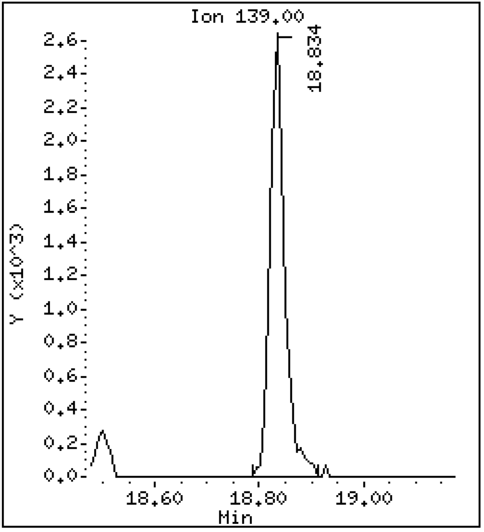












Data File: \\target\share\chem3\nt14.i\20221230C.b\NT1422123068.D

Date : 01-JAN-2023 00:42

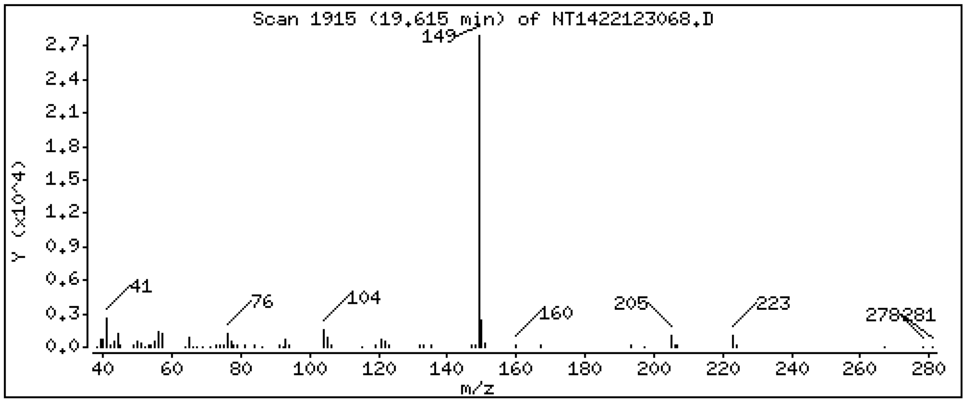
Client ID: Instrument: nt14.i

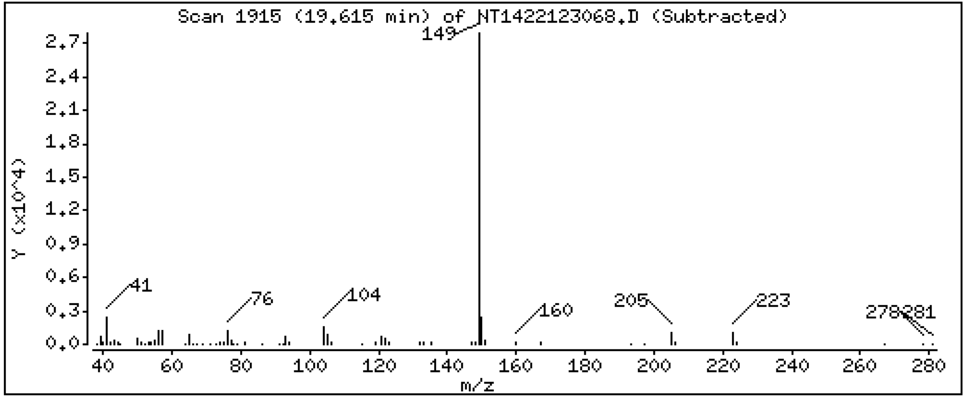
Sample Info: SKL0355-LCV4

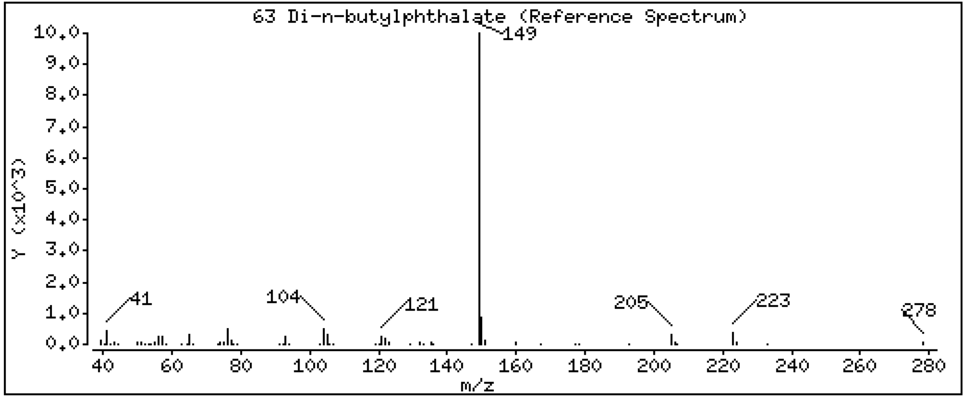
Operator: VTS

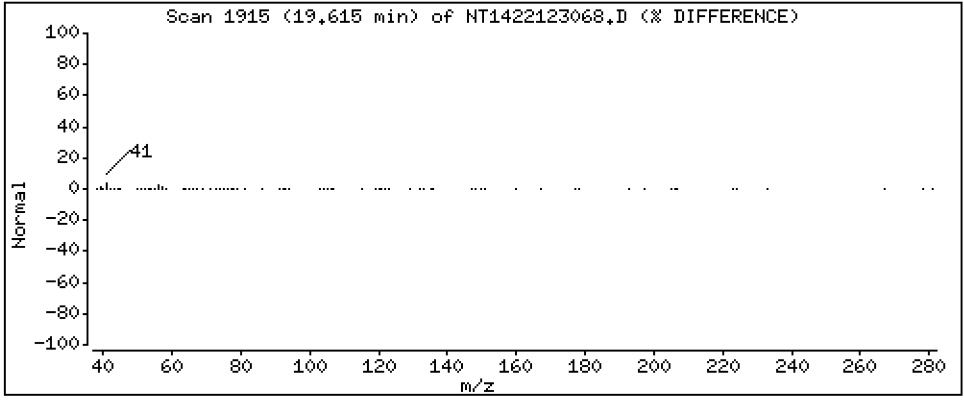
Column phase: ZB-5msi Column diameter: 0.25

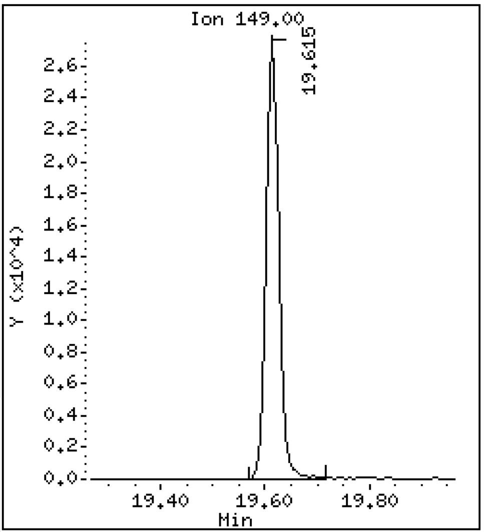
63 Di-n-butylphthalate Concentration: 0.4789 ug/mL

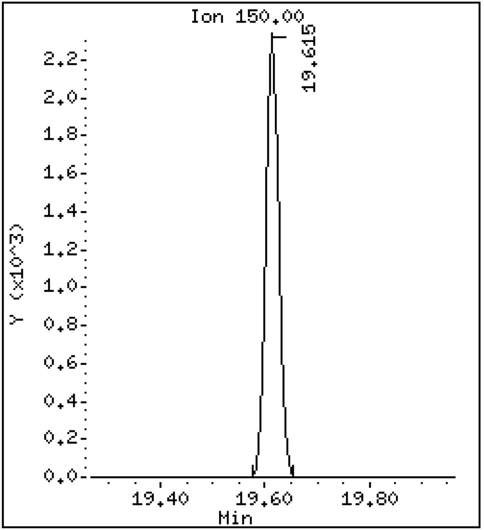


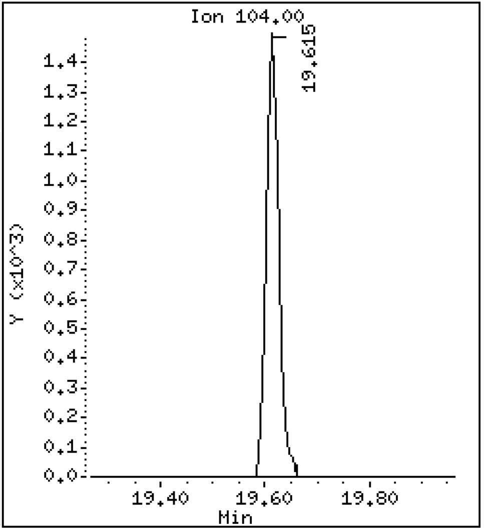












Data File: \\target\share\chem3\nt14.i\20221230C.b\NT1422123068.D

Date : 01-JAN-2023 00:42

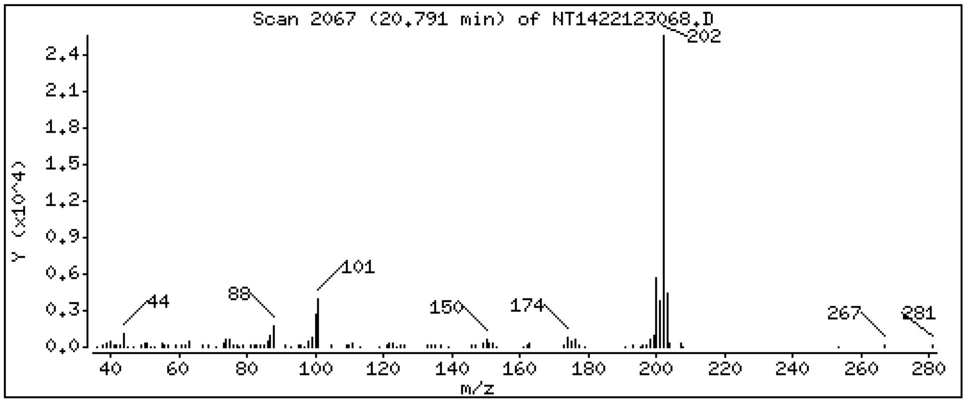
Client ID: Instrument: nt14.i

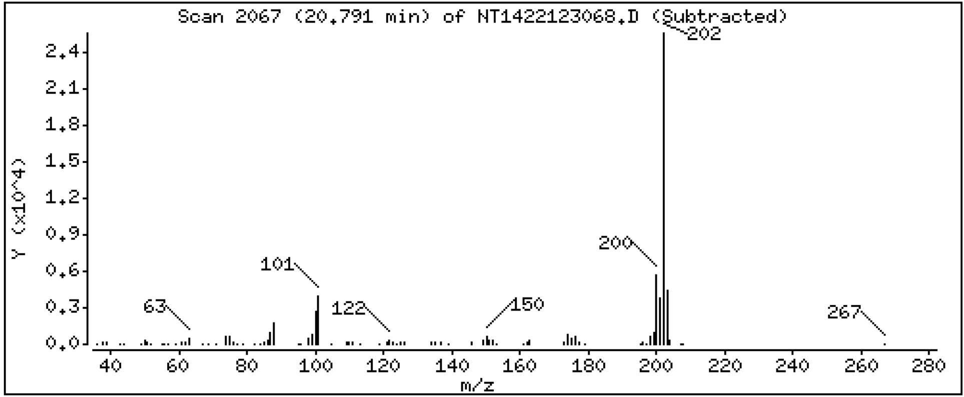
Sample Info: SKL0355-LCV4

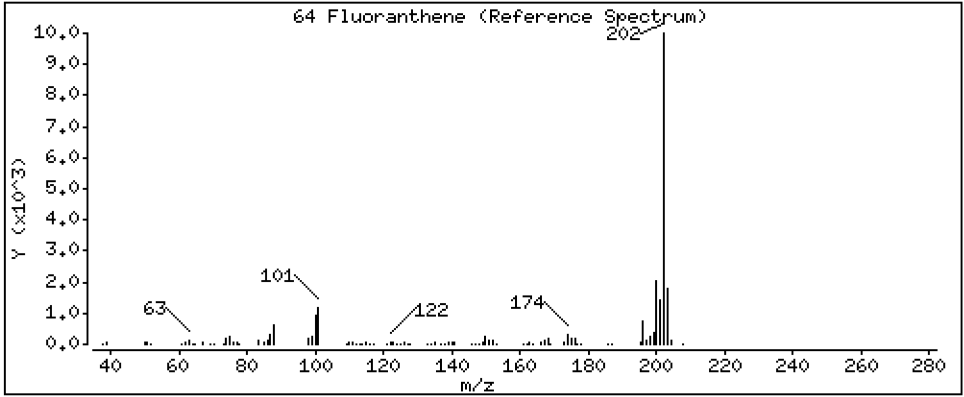
Operator: VTS

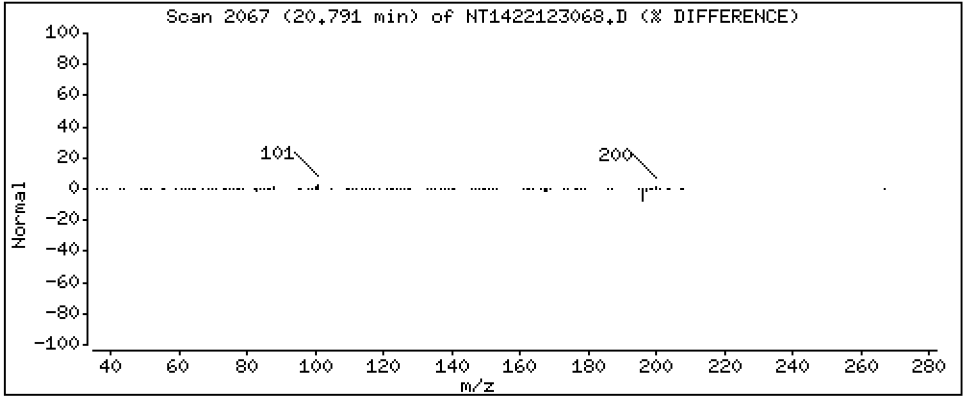
Column phase: ZB-5msi Column diameter: 0.25

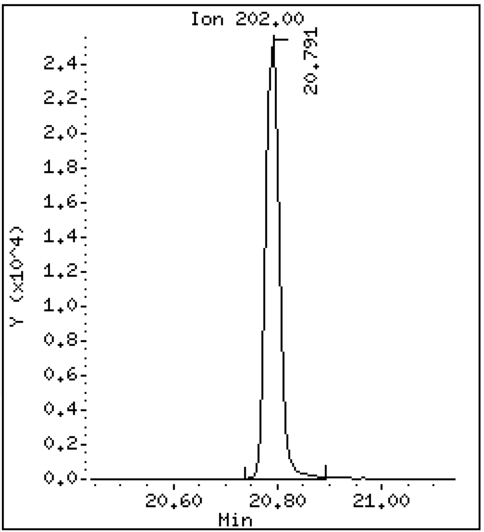
64 Fluoranthene Concentration: 0.4720 ug/mL

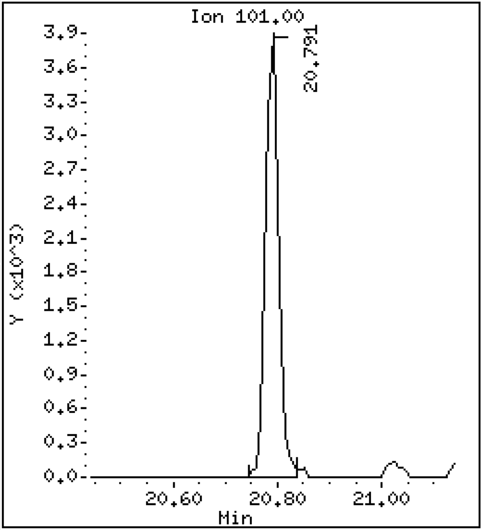

Scan 2067 (20.791 min) of NT1422123068.D

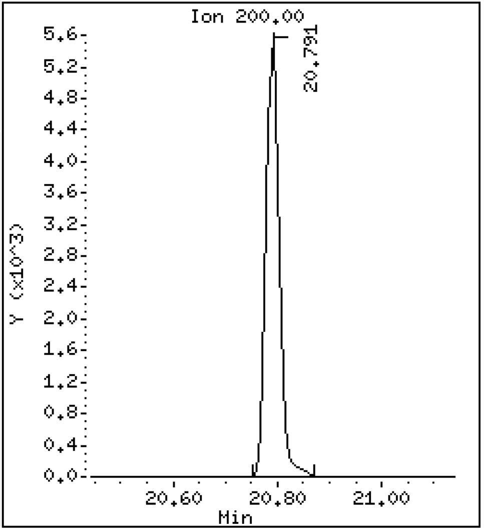

Scan 2067 (20.791 min) of NT1422123068.D (Subtracted)


64 Fluoranthene (Reference Spectrum)


Scan 2067 (20.791 min) of NT1422123068.D (% DIFFERENCE)


Ion 202.00


Ion 101.00


Ion 200.00

Data File: \\target\share\chem3\nt14.i\20221230C.b\NT1422123068.D

Date : 01-JAN-2023 00:42

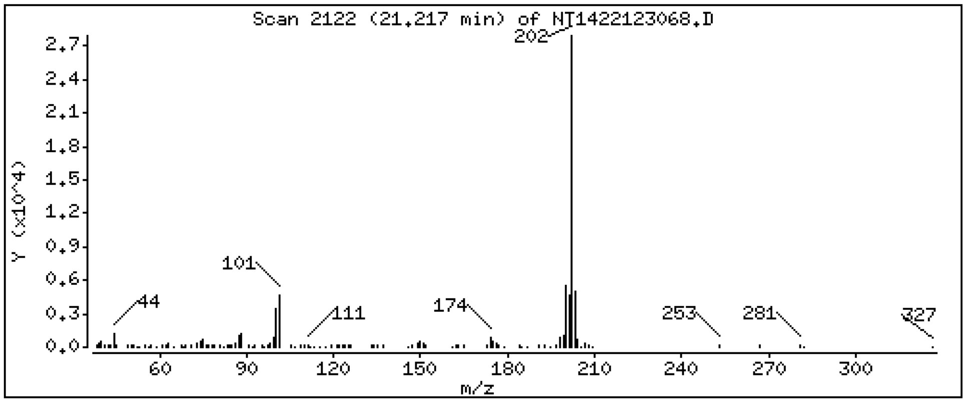
Client ID: Instrument: nt14.i

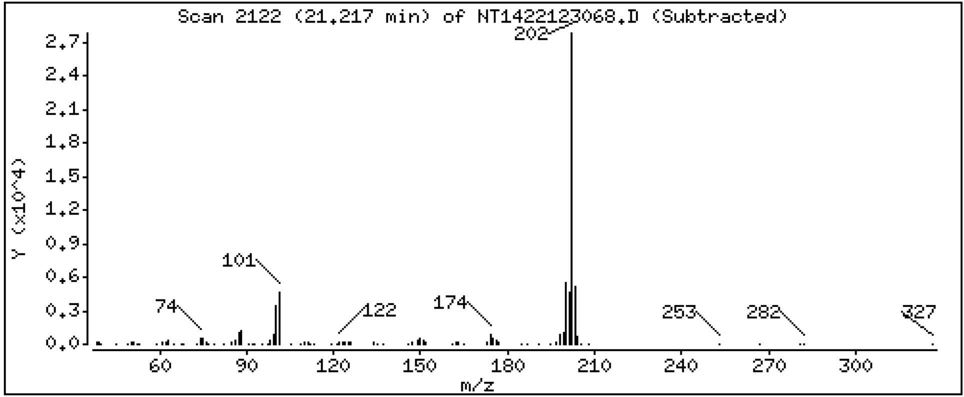
Sample Info: SKL0355-LCV4

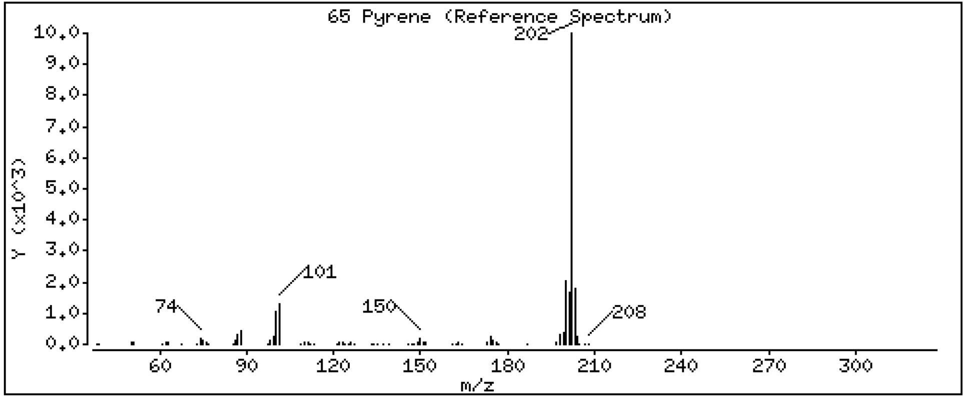
Operator: VTS

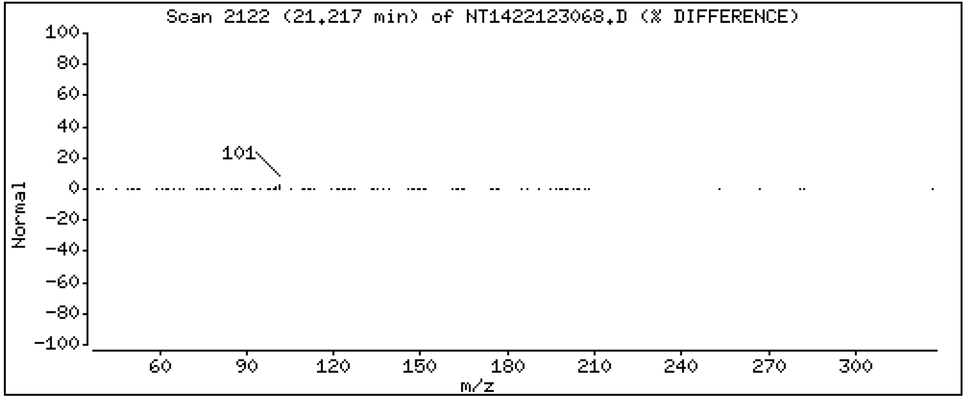
Column phase: ZB-5msi Column diameter: 0.25

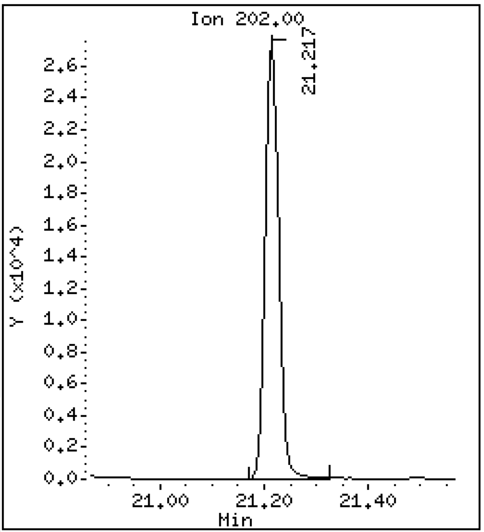
65 Pyrene Concentration: 0.4811 ug/mL

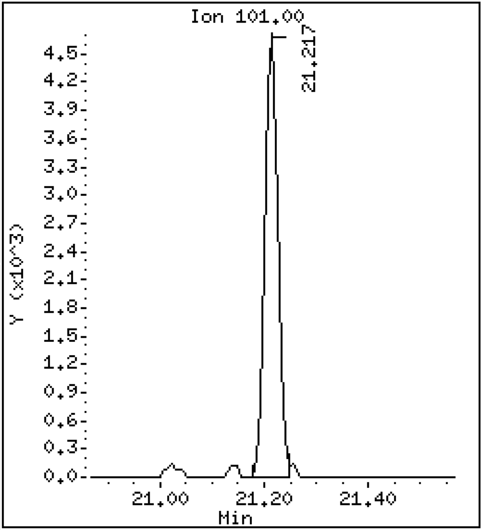


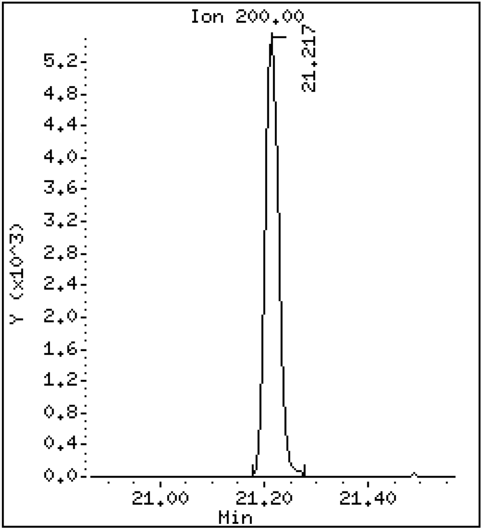












Data File: \\target\share\chem3\nt14.i\20221230C.b\NT1422123068.D

Date : 01-JAN-2023 00:42

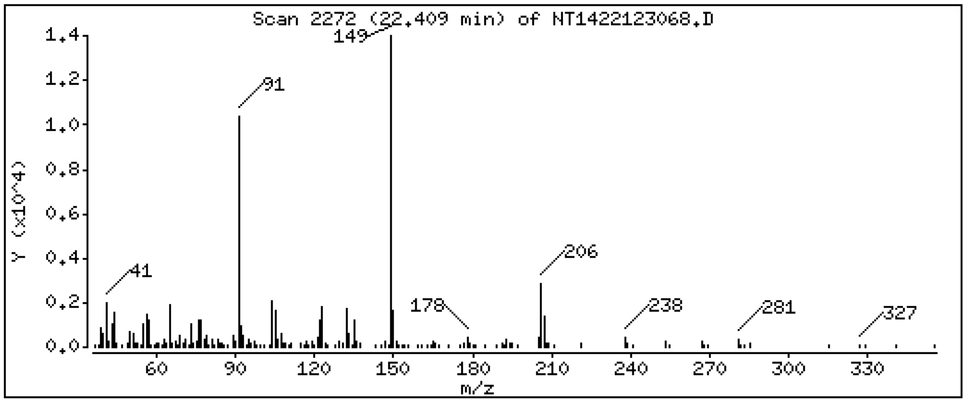
Client ID: Instrument: nt14.i

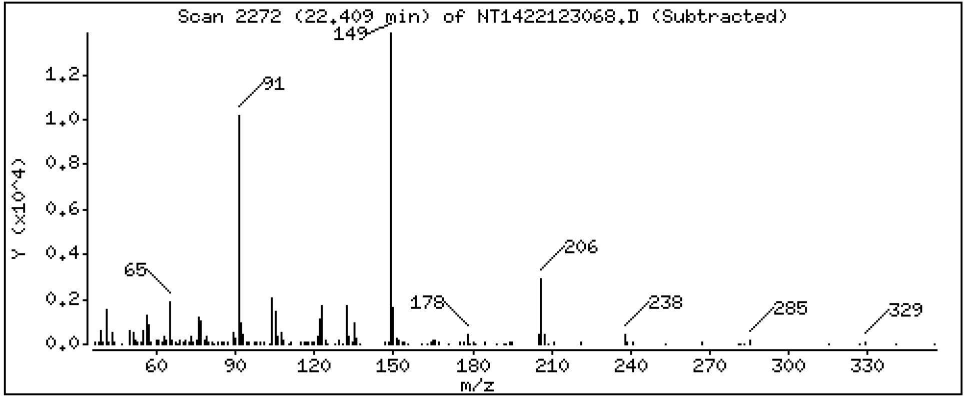
Sample Info: SKL0355-LCV4

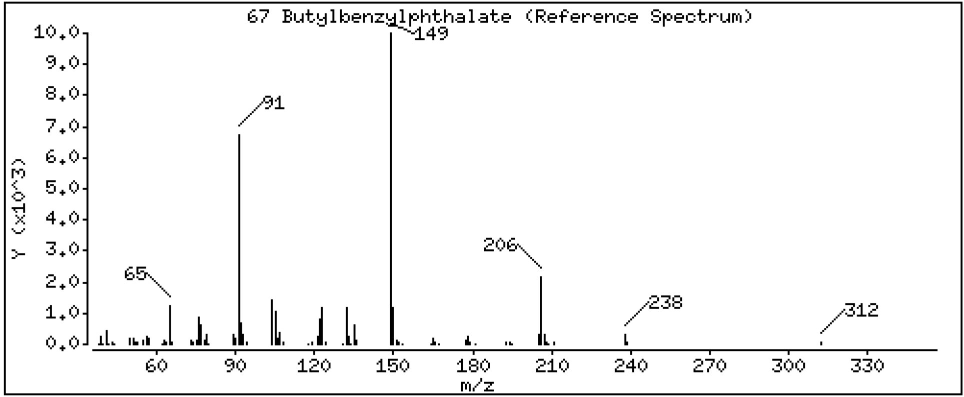
Operator: VTS

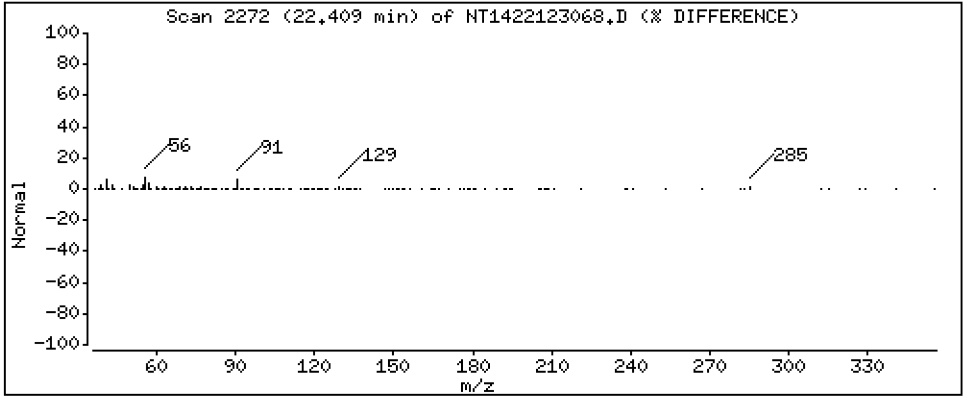
Column phase: ZB-5msi Column diameter: 0.25

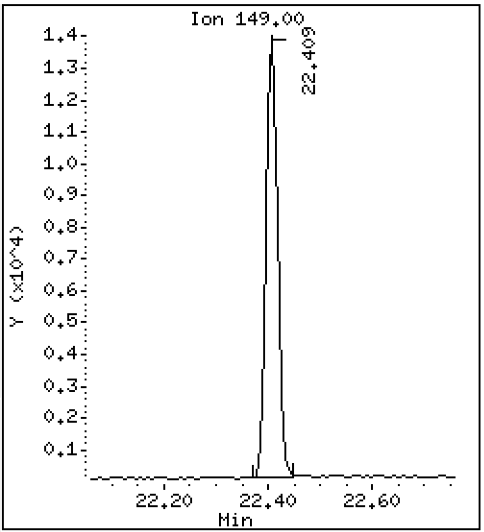
67 Butylbenzylphthalate Concentration: 0.5261 ug/mL

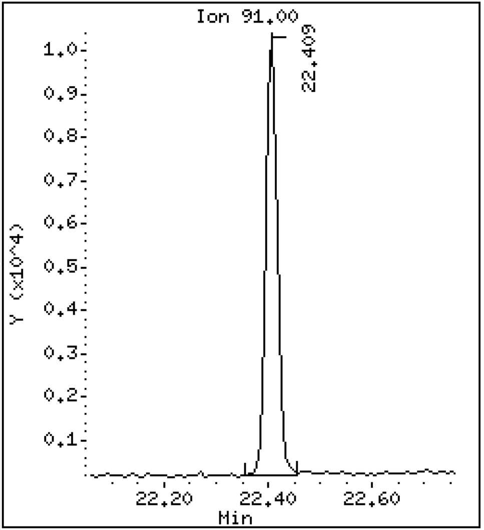


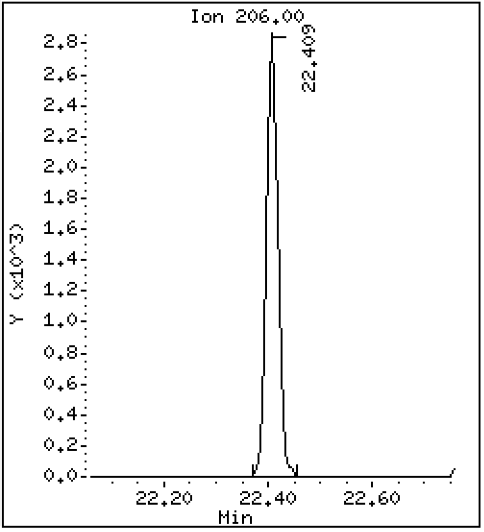












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Date : 01-JAN-2023 00:42

Client ID:

Instrument: nt14.i

Sample Info: SKL0355-LCV4

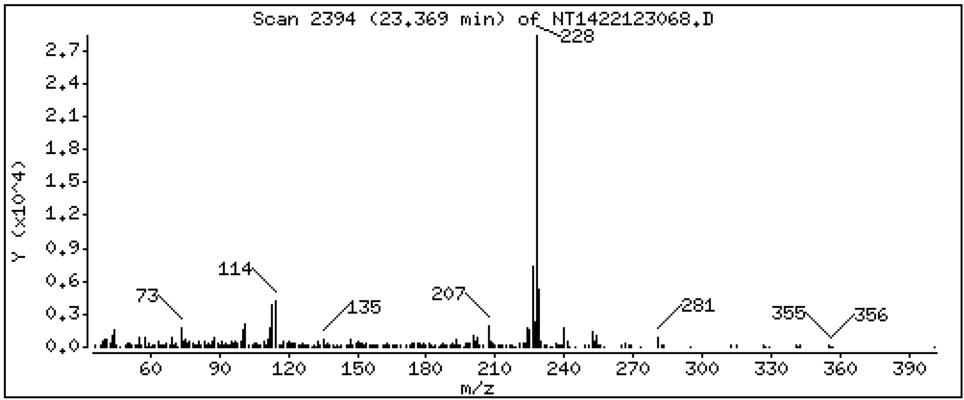
Operator: VTS

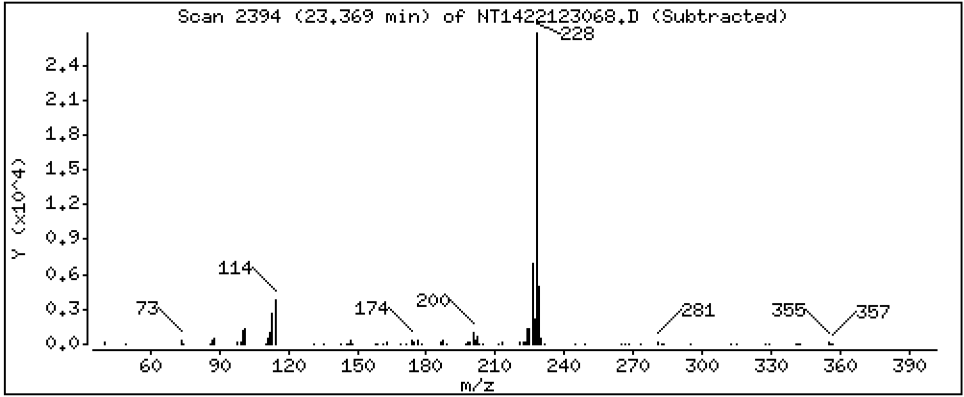
Column phase: ZB-5msi

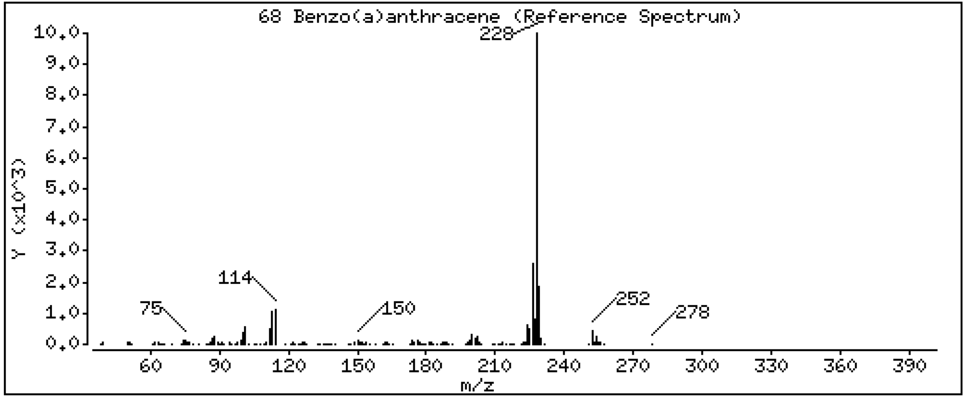
Column diameter: 0.25

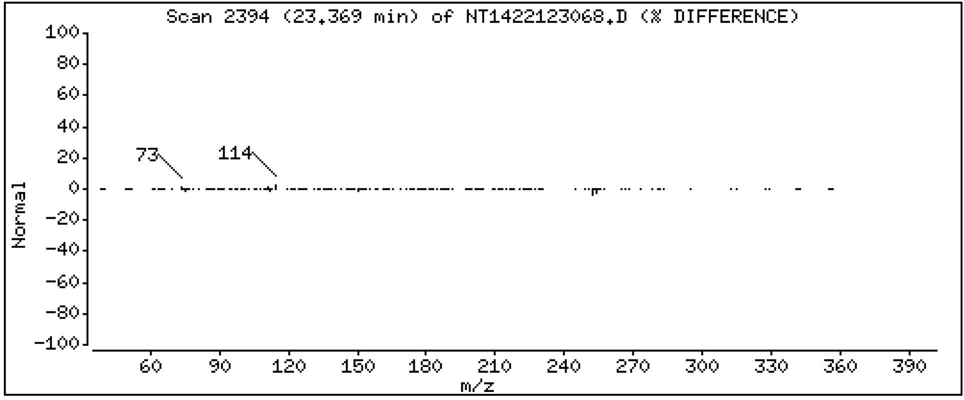
68 Benzo(a)anthracene

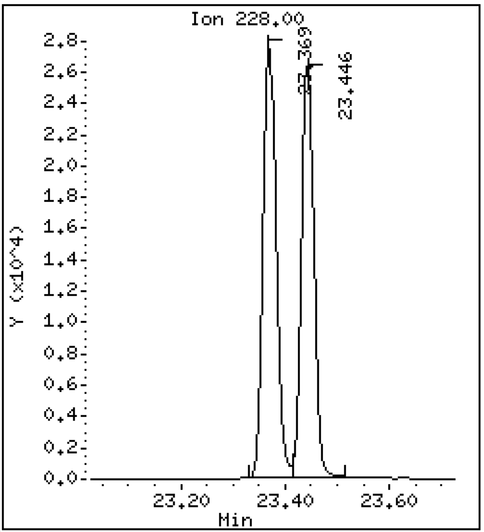
Concentration: 0.5206 ug/mL

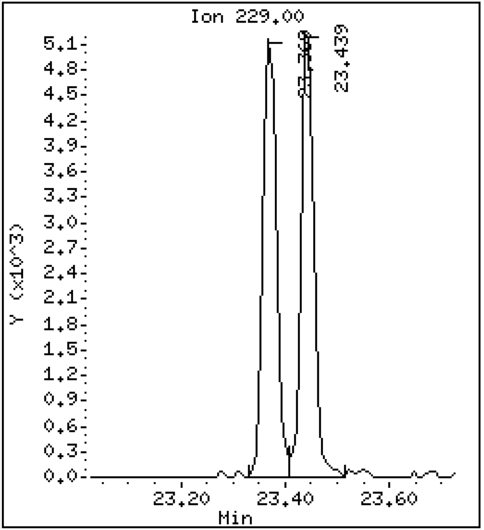

Scan 2394 (23.369 min) of NT1422123068.D

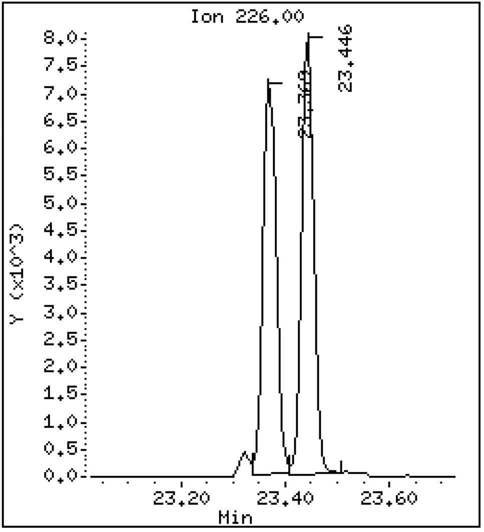

Scan 2394 (23.369 min) of NT1422123068.D (Subtracted)


68 Benzo(a)anthracene (Reference Spectrum)


Scan 2394 (23.369 min) of NT1422123068.D (% DIFFERENCE)


Ion 228.00


Ion 229.00


Ion 226.00

Data File: \\target\share\chem3\nt14.i\20221230C.b\NT1422123068.D

Date : 01-JAN-2023 00:42

Client ID:

Instrument: nt14.i

Sample Info: SKL0355-LCV4

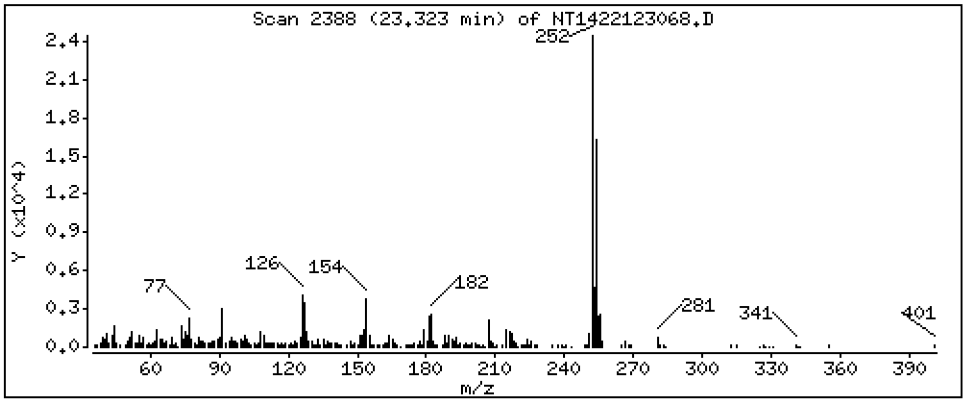
Operator: VTS

Column phase: ZB-5msi

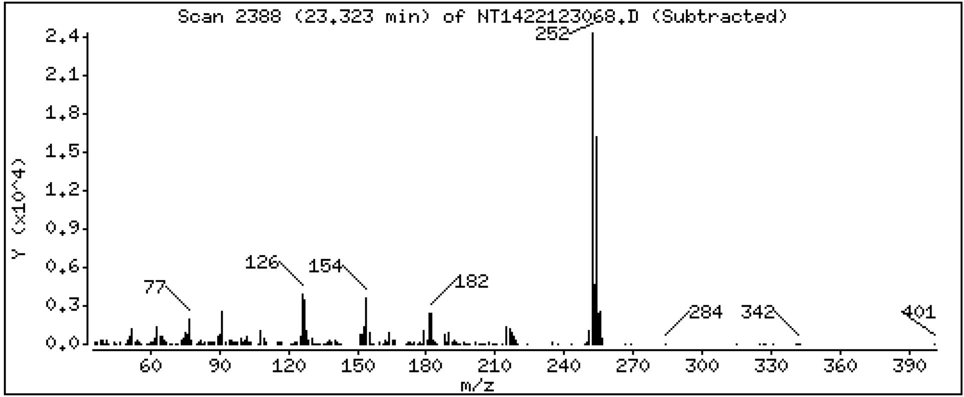
Column diameter: 0.25

70 3,3'-Dichlorobenzidine

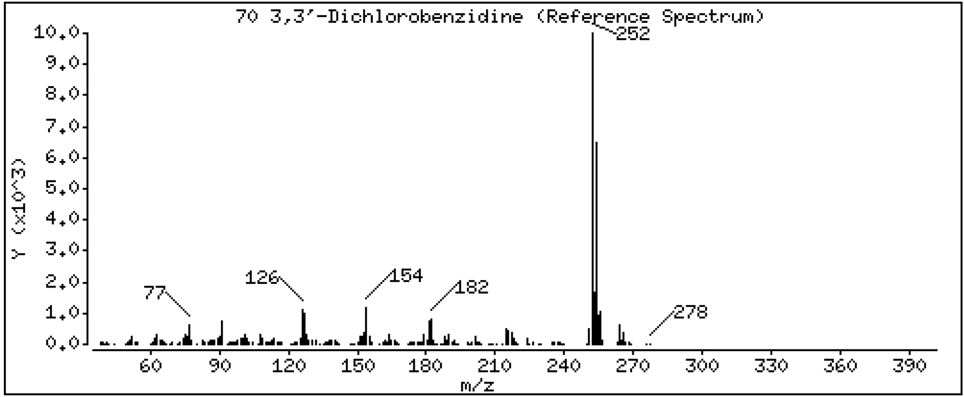
Concentration: 1.641 ug/mL



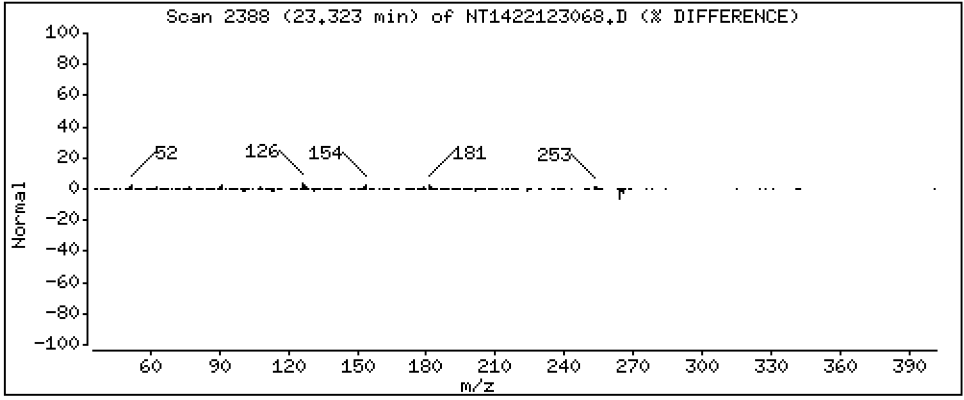
Scan 2388 (23.323 min) of NT1422123068.D



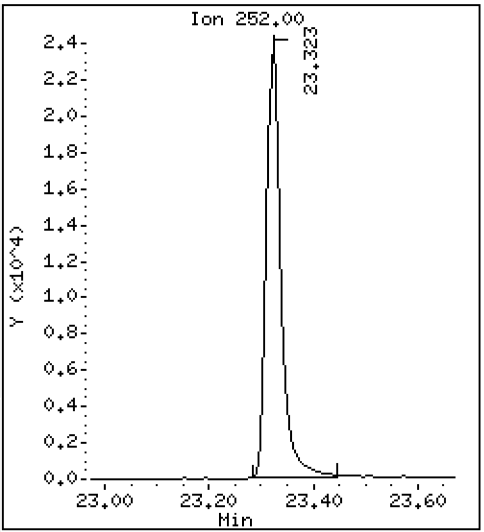
Scan 2388 (23.323 min) of NT1422123068.D (Subtracted)



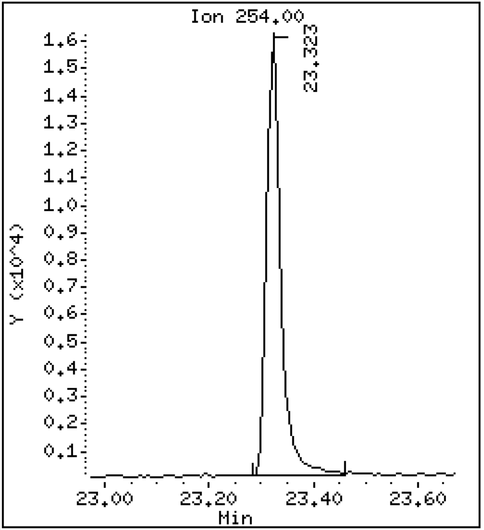
70 3,3'-Dichlorobenzidine (Reference Spectrum)



Scan 2388 (23.323 min) of NT1422123068.D (% DIFFERENCE)



Ion 252.00



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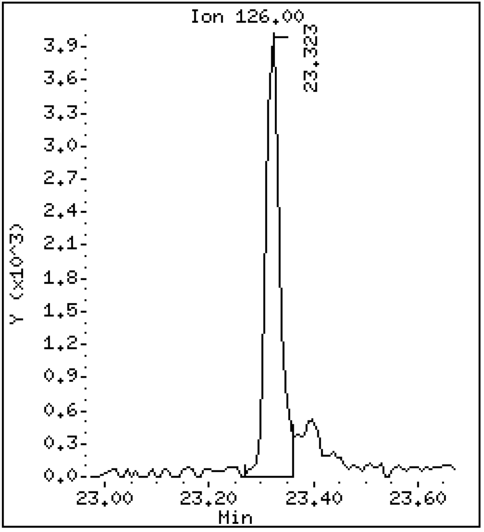


Ion 126.00

Data File: \\target\share\chem3\nt14.i\20221230C.b\NT1422123068.D

Date : 01-JAN-2023 00:42

Client ID:

Instrument: nt14.i

Sample Info: SKL0355-LCV4

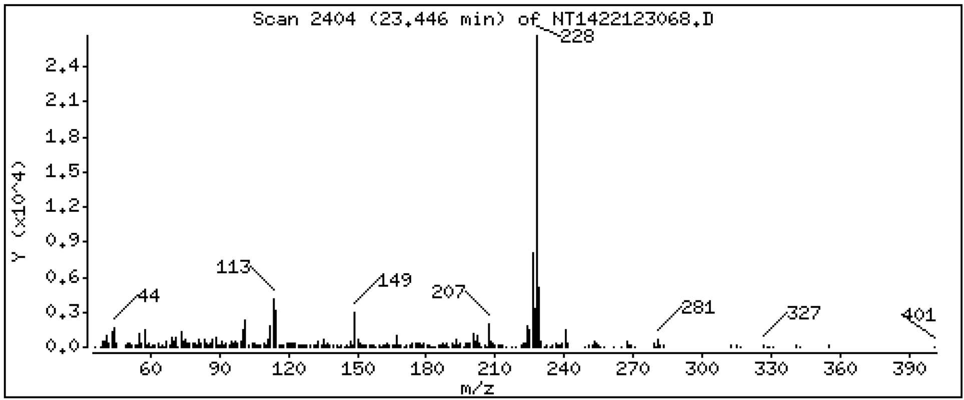
Operator: VTS

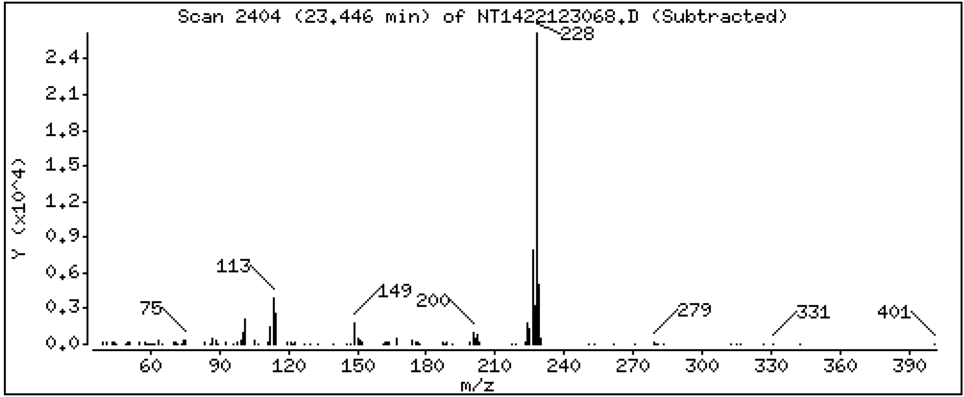
Column phase: ZB-5msi

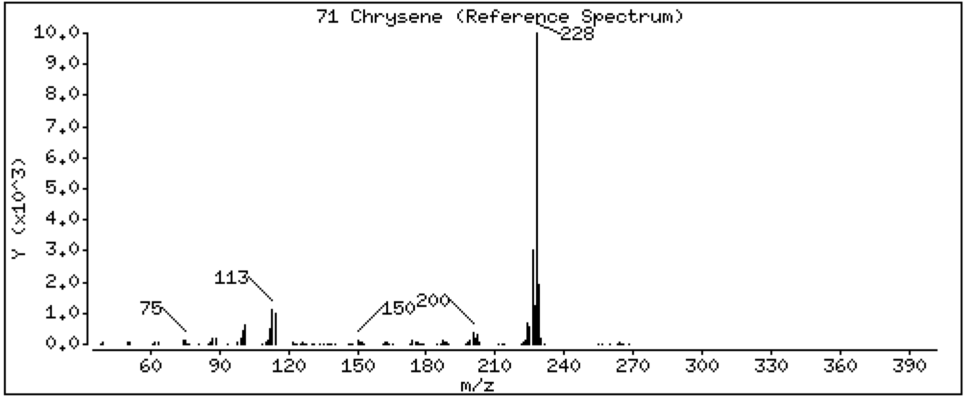
Column diameter: 0.25

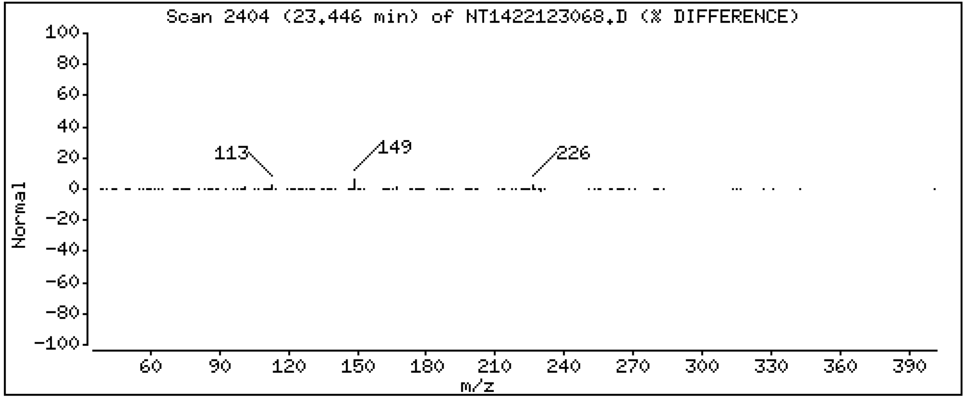
71 Chrysene

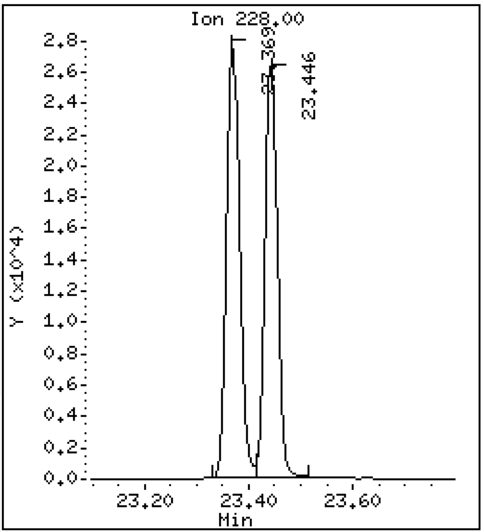
Concentration: 0.5001 ug/mL

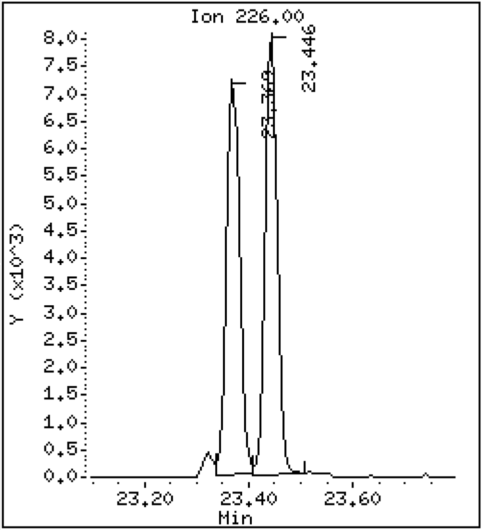

Scan 2404 (23.446 min) of NT1422123068.D

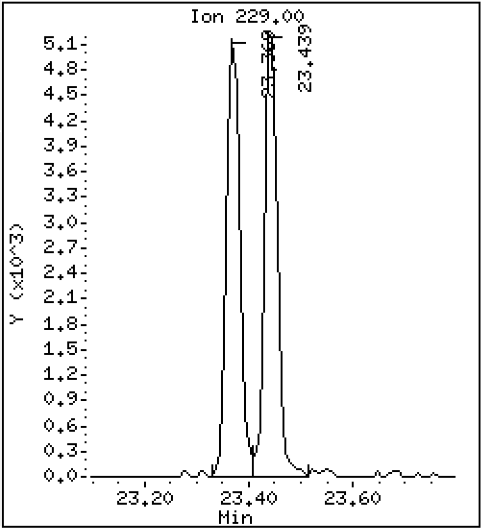

Scan 2404 (23.446 min) of NT1422123068.D (Subtracted)


71 Chrysene (Reference Spectrum)


Scan 2404 (23.446 min) of NT1422123068.D (% DIFFERENCE)


Ion 228.00


Ion 226.00


Ion 229.00

Data File: \\target\share\chem3\nt14.i\20221230C.b\NT1422123068.D

Date : 01-JAN-2023 00:42

Client ID:

Instrument: nt14.i

Sample Info: SKL0355-LCV4

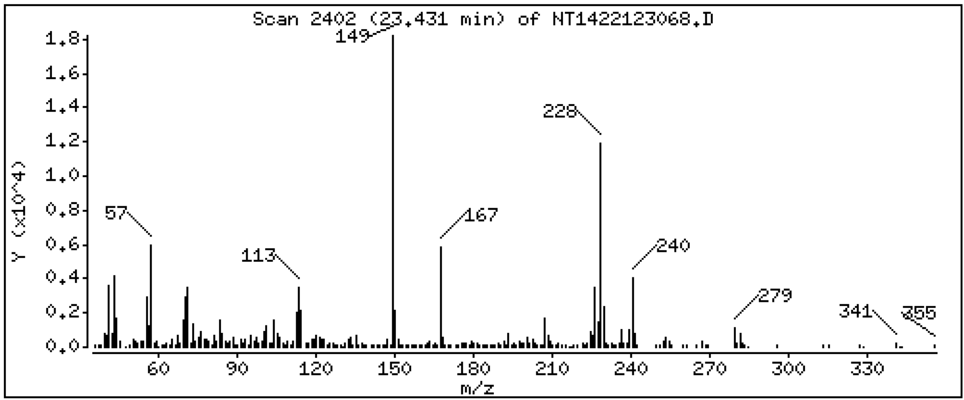
Operator: VTS

Column phase: ZB-5msi

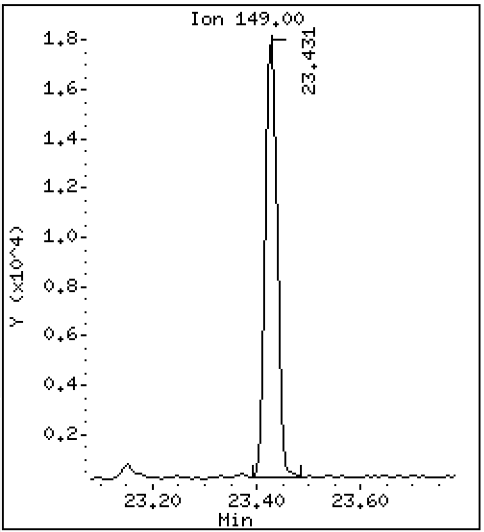
Column diameter: 0.25

72 bis(2-Ethylhexyl)phthalate

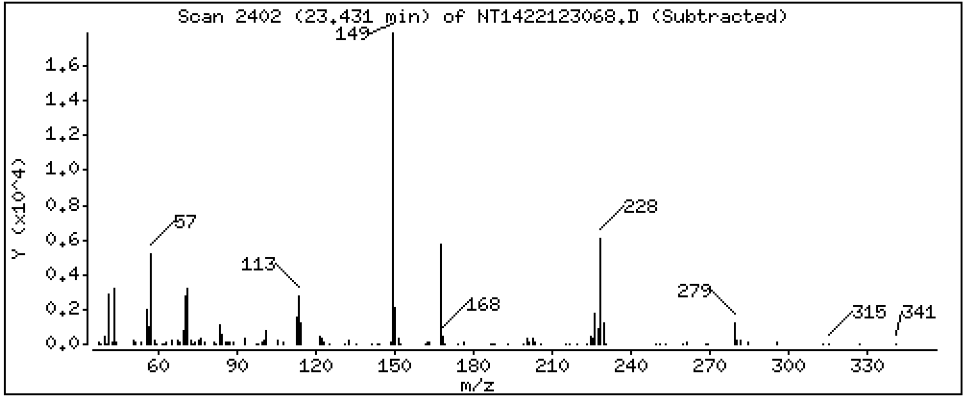
Concentration: 0.5136 ug/mL



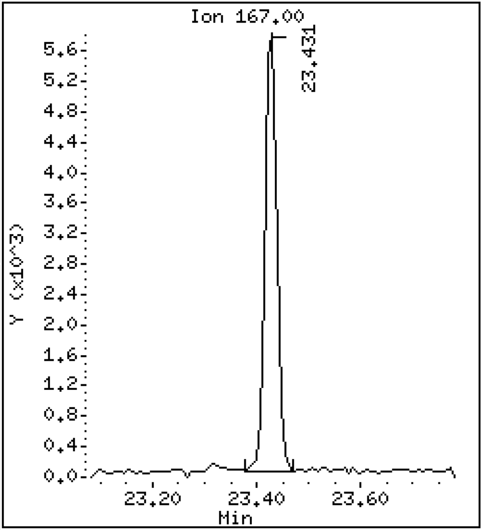
Scan 2402 (23.431 min) of NT1422123068.D



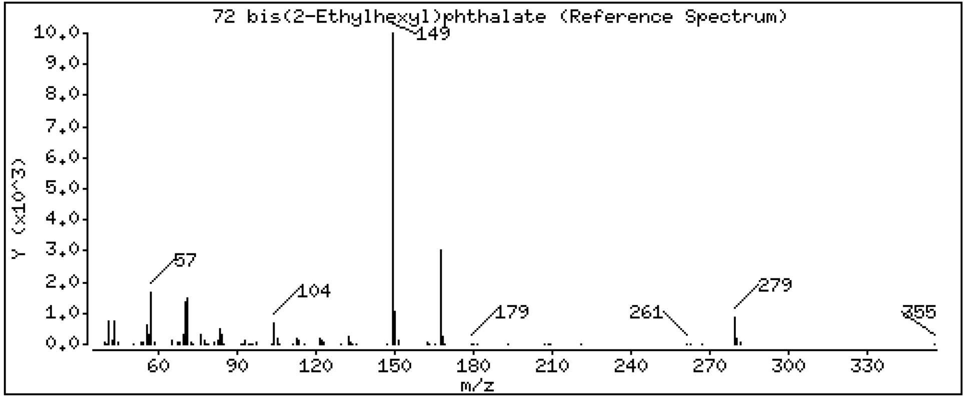
Ion 149.00



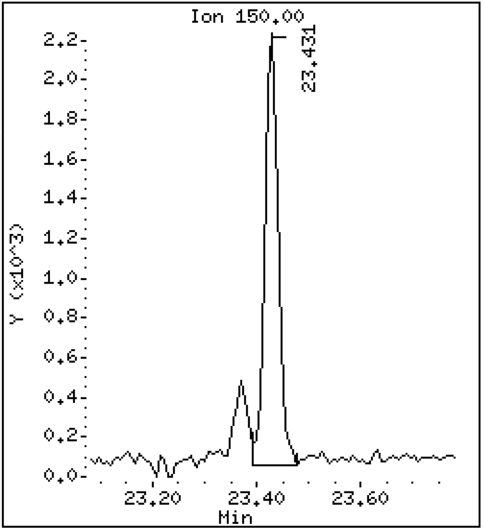
Scan 2402 (23.431 min) of NT1422123068.D (Subtracted)



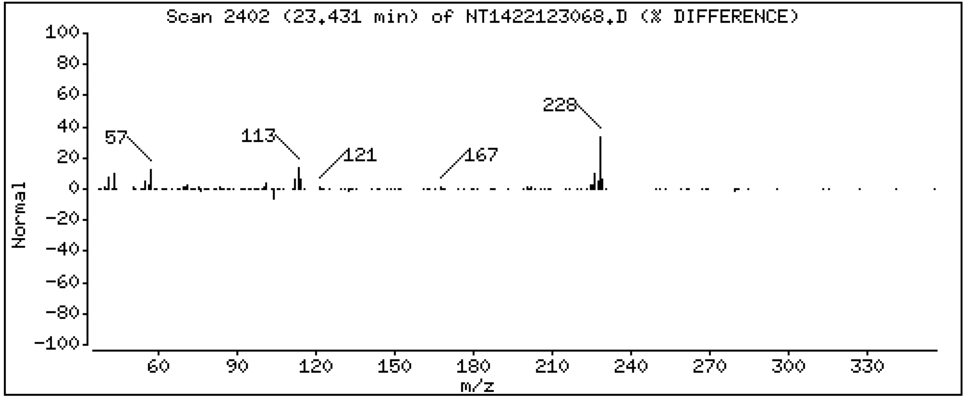
Ion 167.00



72 bis(2-Ethylhexyl)phthalate (Reference Spectrum)



Ion 150.00



Scan 2402 (23.431 min) of NT1422123068.D (% DIFFERENCE)

Data File: \\target\share\chem3\nt14.i\20221230C.b\NT1422123068.D

Date : 01-JAN-2023 00:42

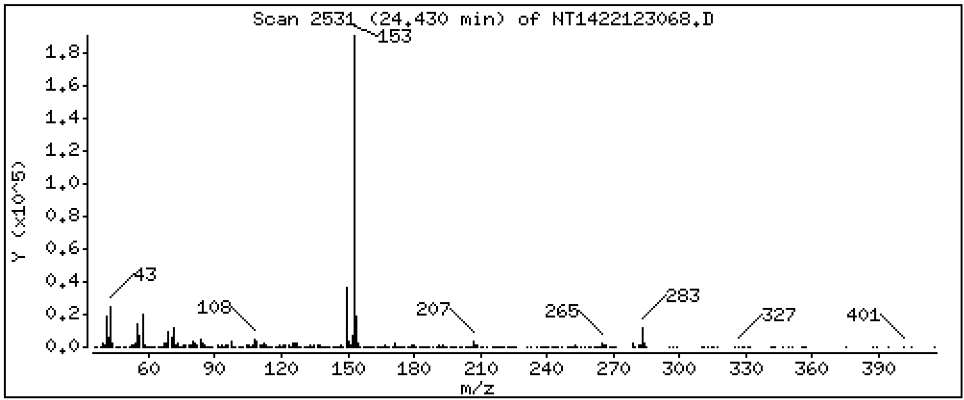
Client ID: Instrument: nt14.i

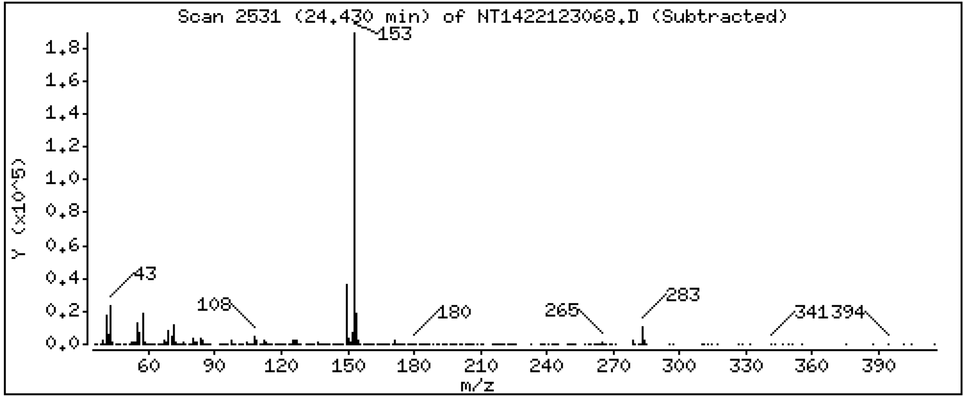
Sample Info: SKL0355-LCV4

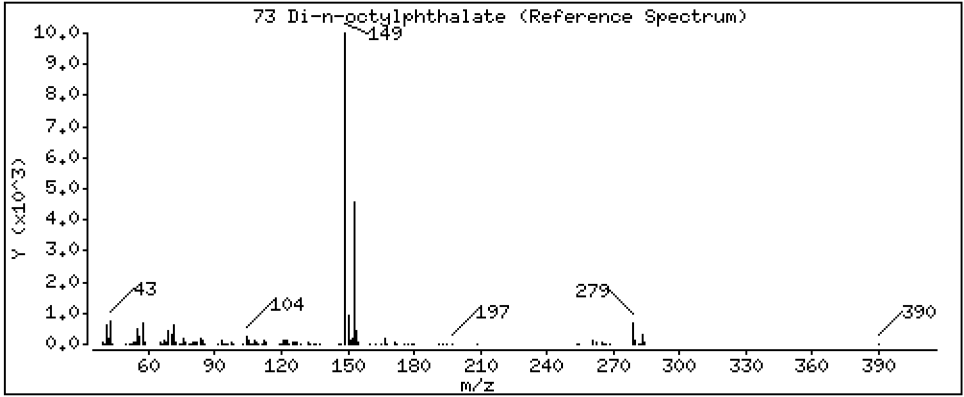
Operator: VTS

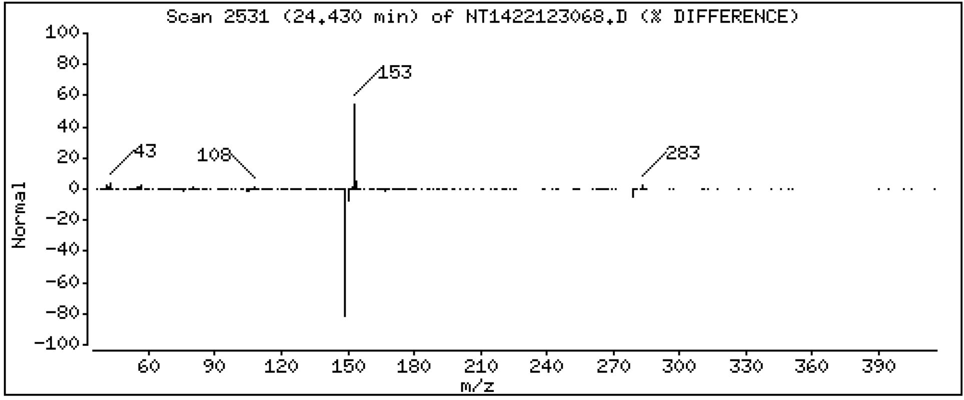
Column phase: ZB-5msi Column diameter: 0.25

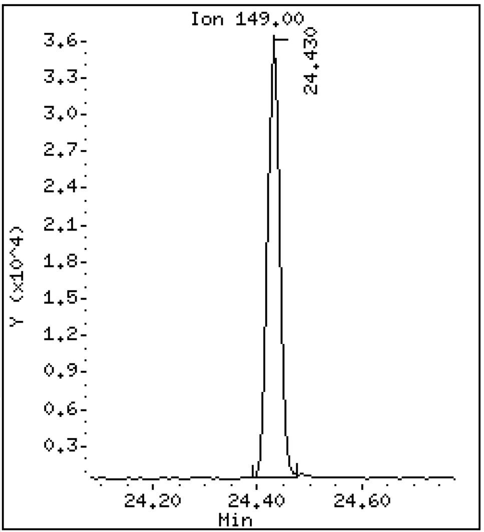
73 Di-n-octylphthalate Concentration: 0.4900 ug/mL

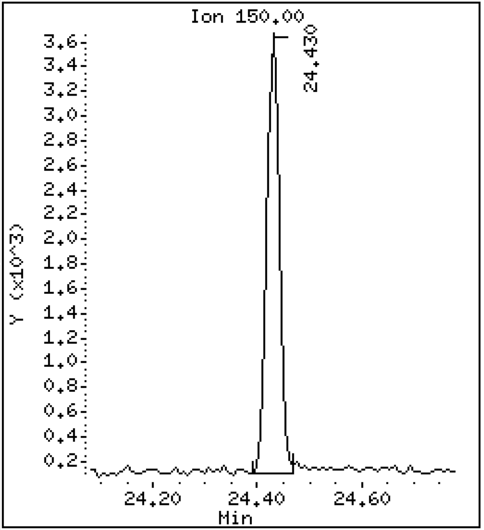


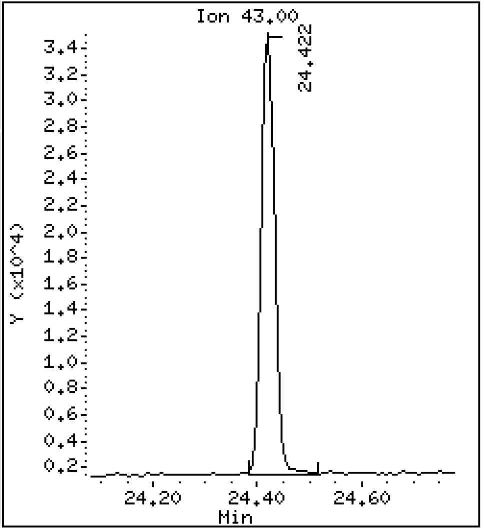












Date : 01-JAN-2023 00:42

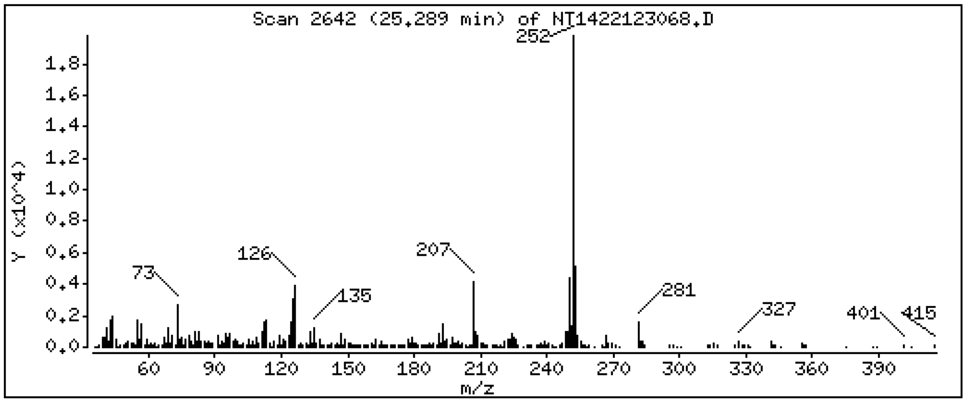
Client ID: Instrument: nt14.i

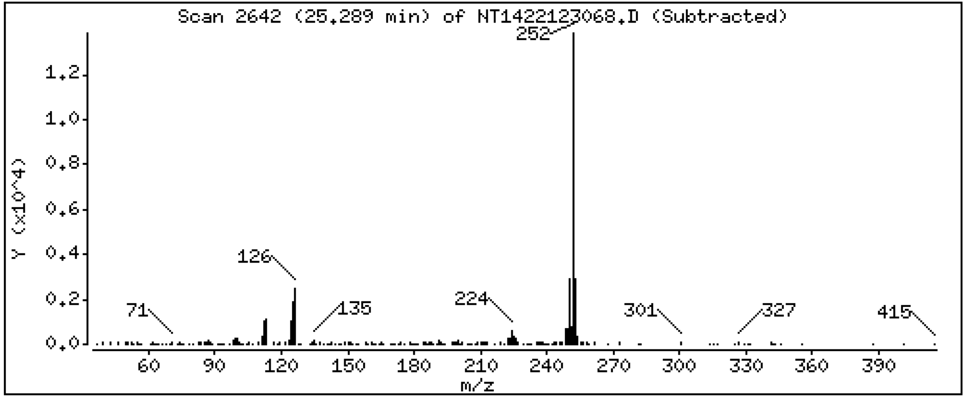
Sample Info: SKL0355-LCV4

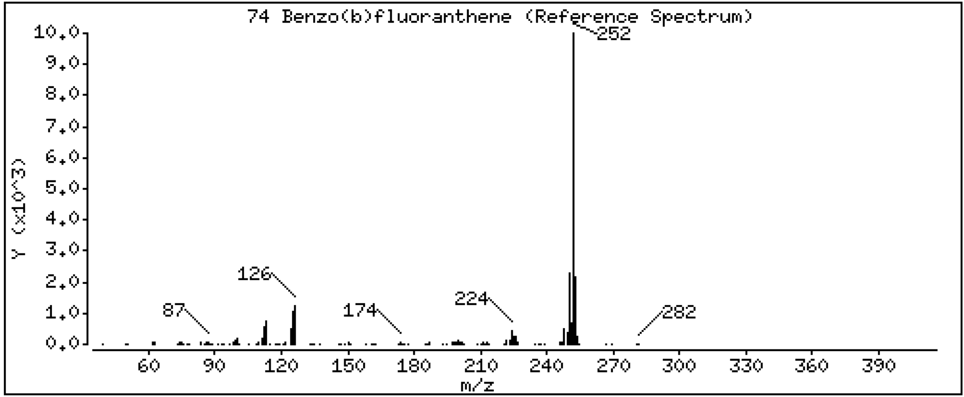
Operator: VTS

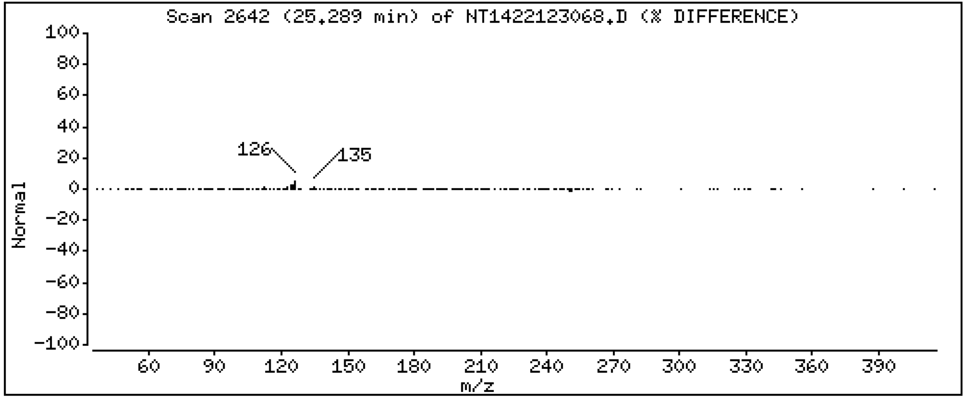
Column phase: ZB-5msi Column diameter: 0.25

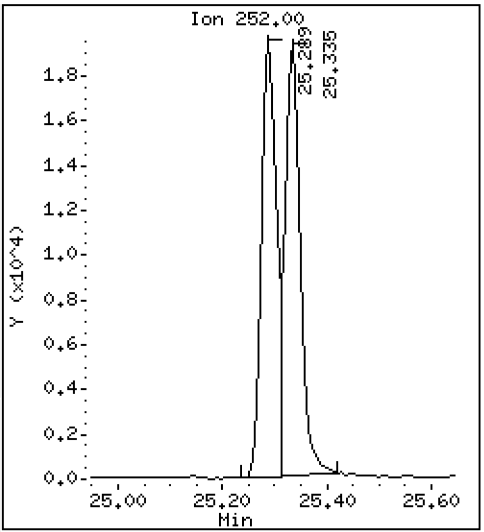
74 Benzo(b)fluoranthene Concentration: 0.5437 ug/mL

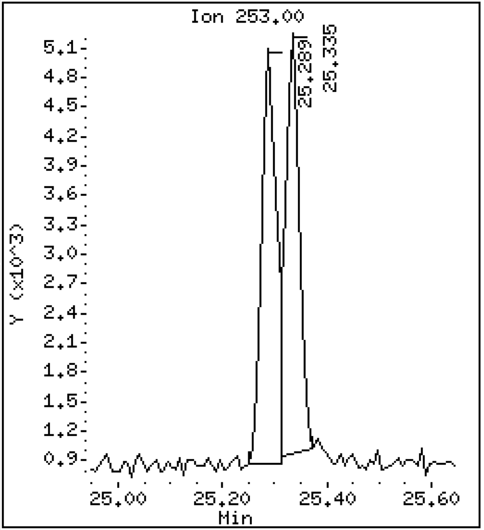


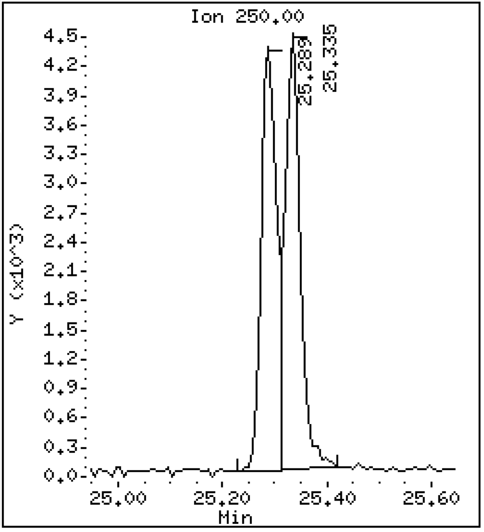












Data File: \\target\share\chem3\nt14.i\20221230C.b\NT1422123068.D

Date : 01-JAN-2023 00:42

Client ID:

Instrument: nt14.i

Sample Info: SKL0355-LCV4

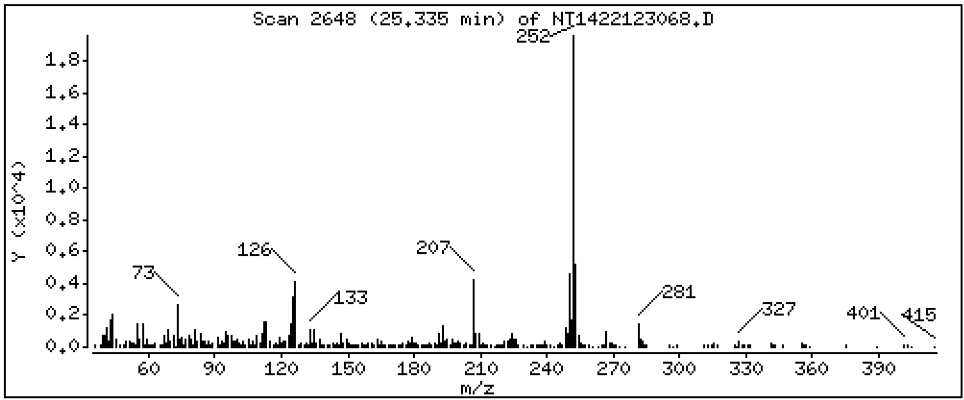
Operator: VTS

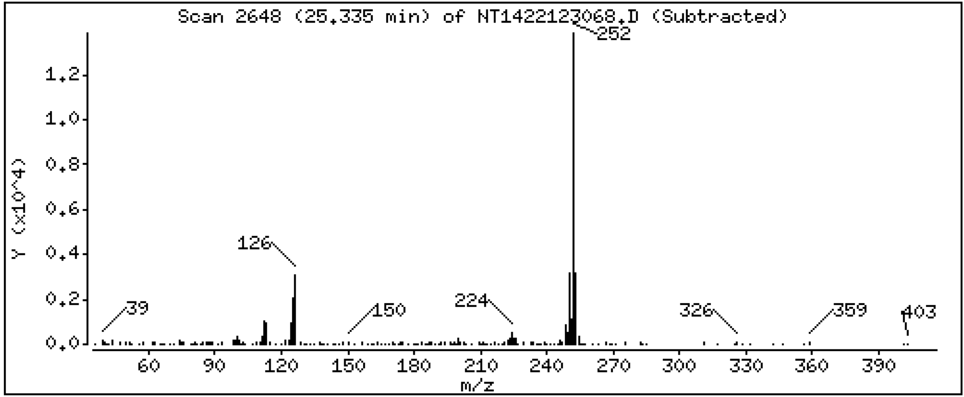
Column phase: ZB-5msi

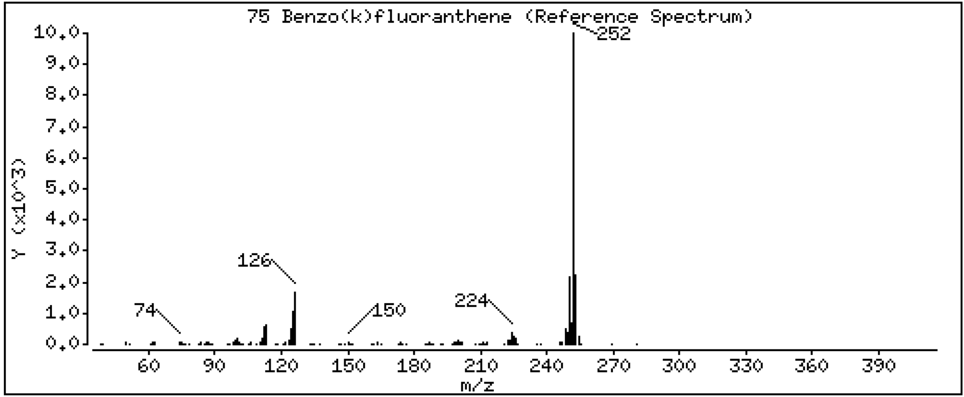
Column diameter: 0.25

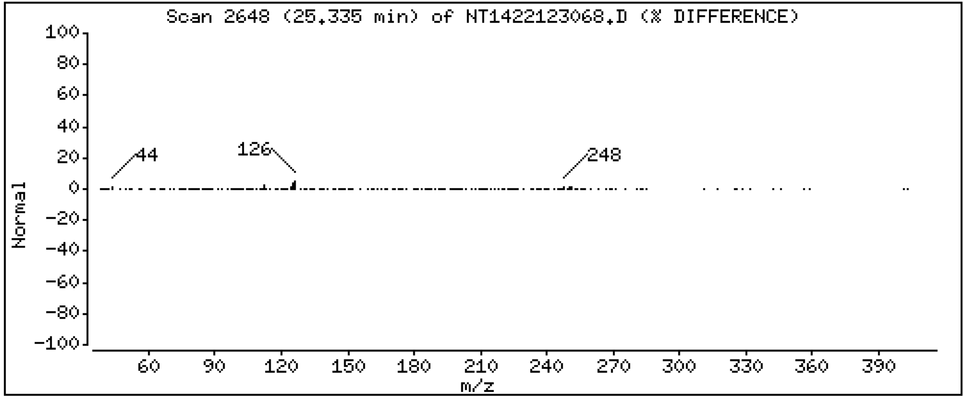
75 Benzo(k)fluoranthene

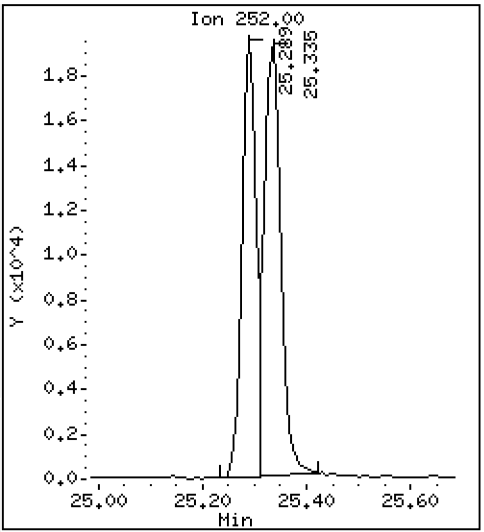
Concentration: 0.5702 ug/mL

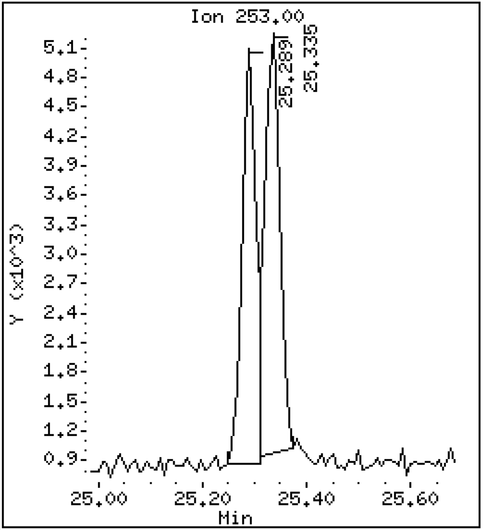

Scan 2648 (25.335 min) of NT1422123068.D

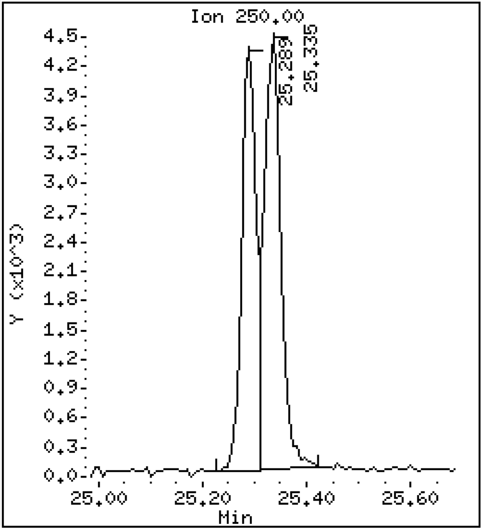

Scan 2648 (25.335 min) of NT1422123068.D (Subtracted)


75 Benzo(k)fluoranthene (Reference Spectrum)


Scan 2648 (25.335 min) of NT1422123068.D (% DIFFERENCE)


Ion 252.00


Ion 253.00


Ion 250.00

Data File: \\target\share\chem3\nt14.i\20221230C.b\NT1422123068.D

Date : 01-JAN-2023 00:42

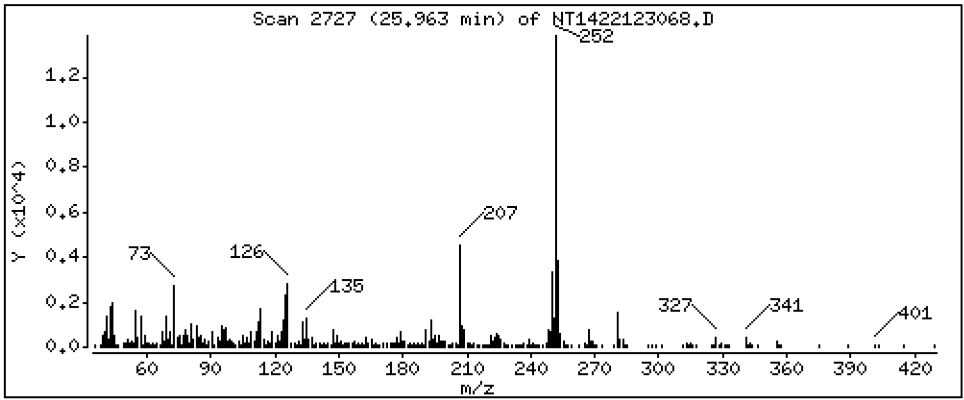
Client ID: Instrument: nt14.i

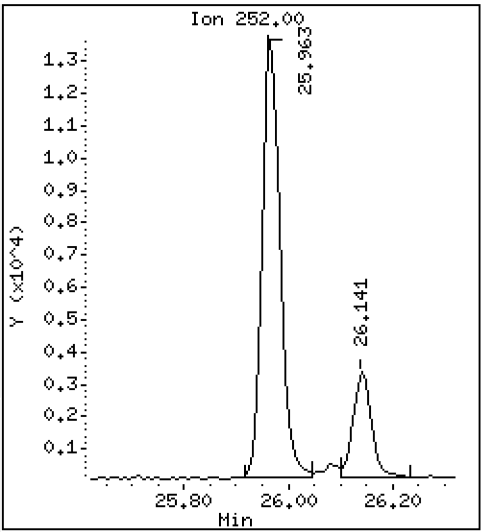
Sample Info: SKL0355-LCV4

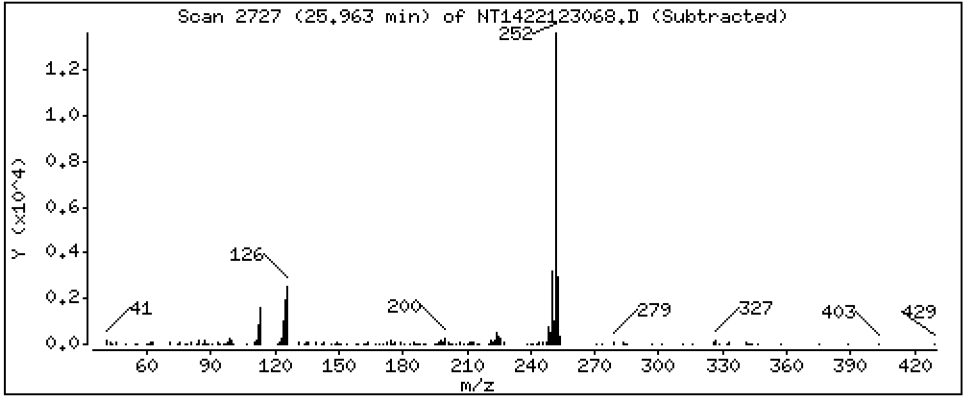
Operator: VTS

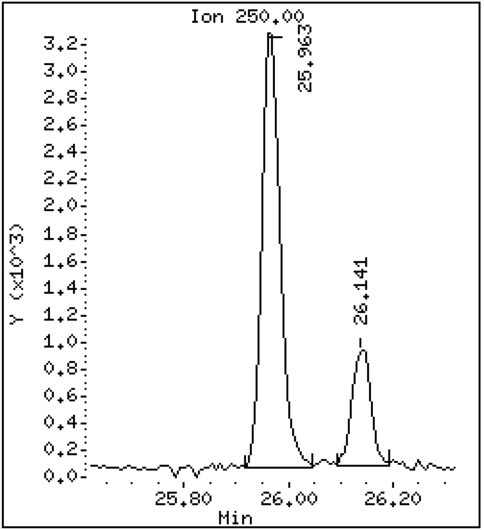
Column phase: ZB-5msi Column diameter: 0.25

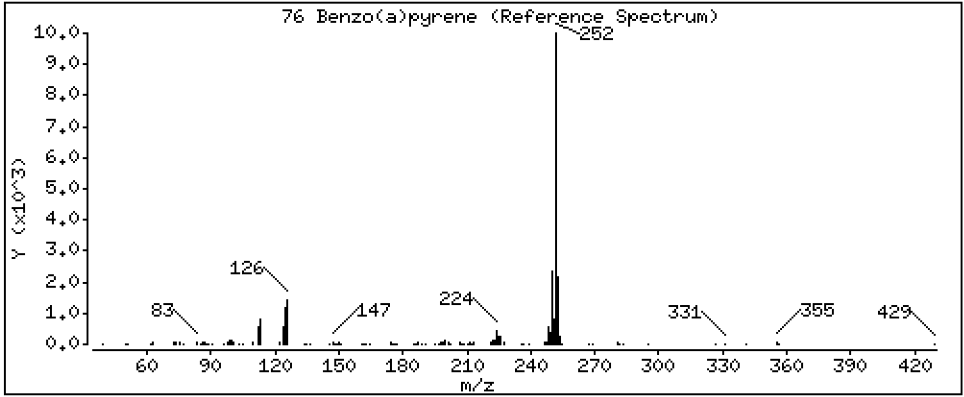
76 Benzo(a)pyrene Concentration: 0.5296 ug/mL

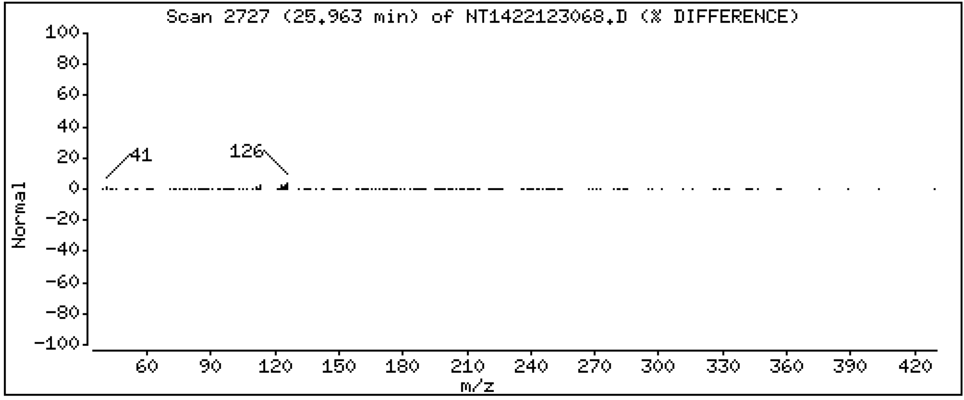


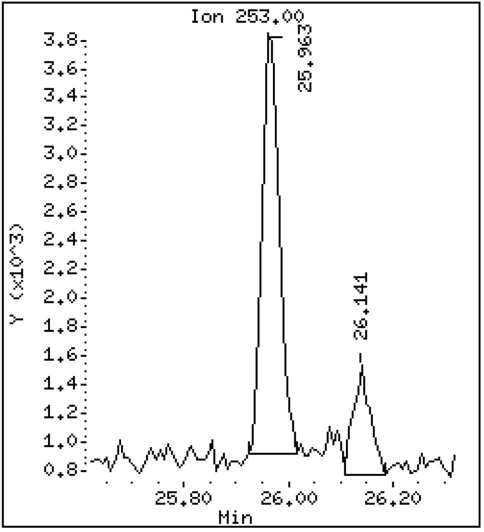












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Date : 01-JAN-2023 00:42

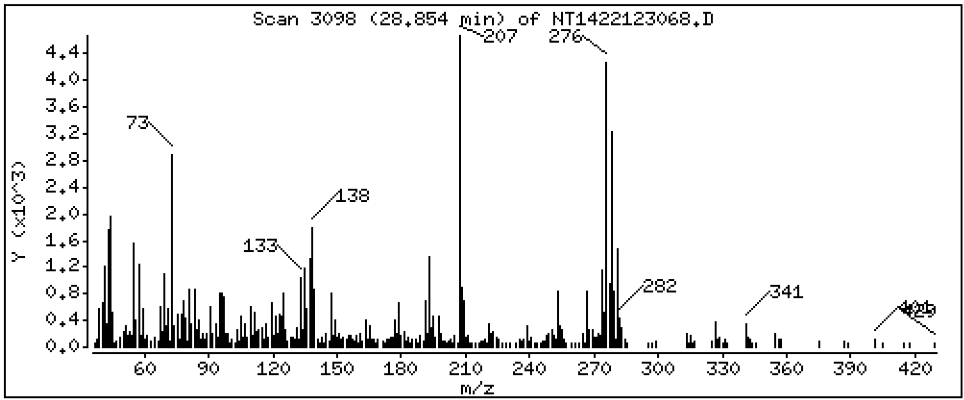
Client ID: Instrument: nt14.i

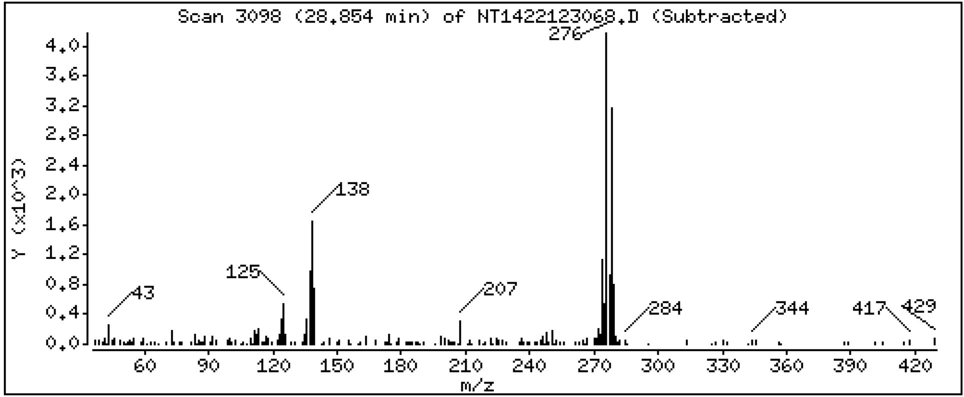
Sample Info: SKL0355-LCV4

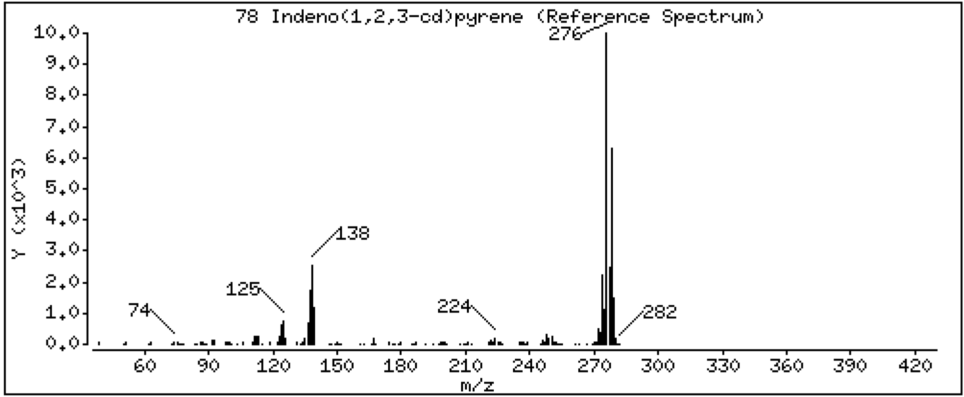
Operator: VTS

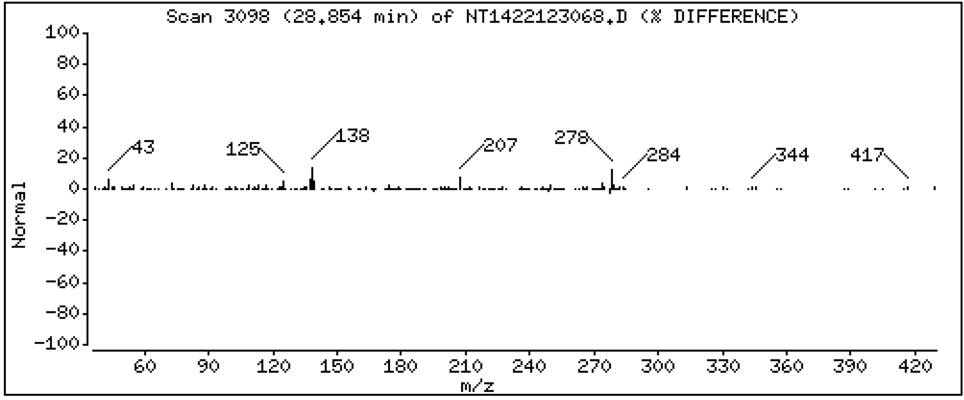
Column phase: ZB-5msi Column diameter: 0.25

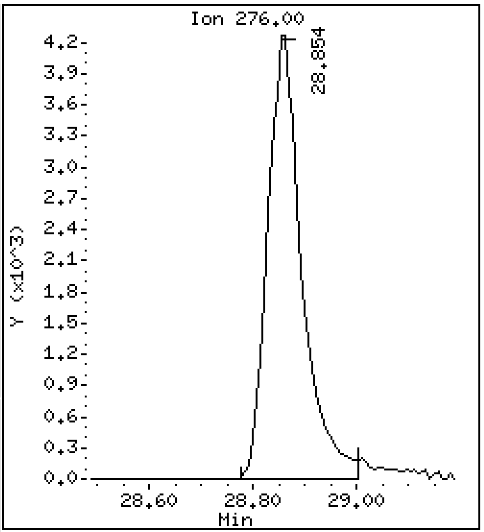
78 Indeno(1,2,3-cd)pyrene Concentration: 0.2876 ug/mL

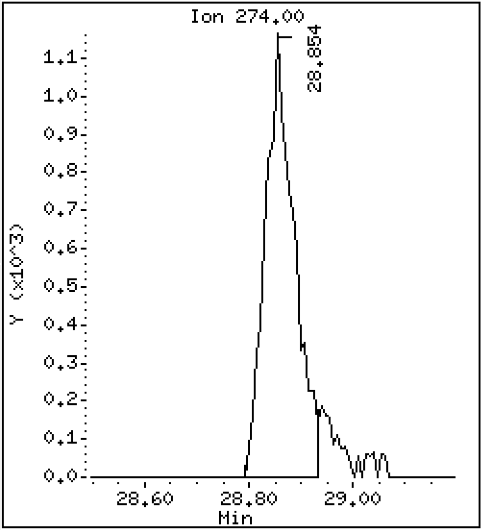


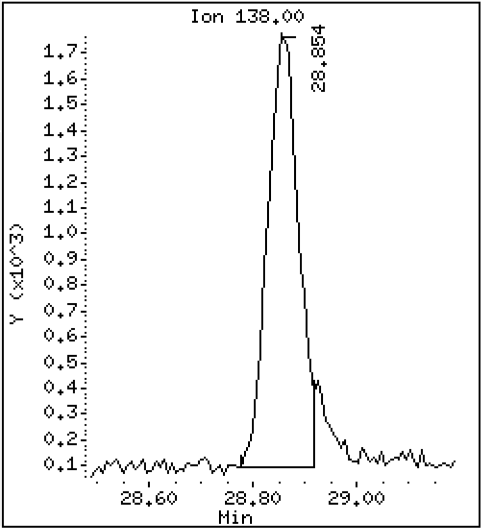












Data File: \\target\share\chem3\nt14.i\20221230C.b\NT1422123068.D

Date : 01-JAN-2023 00:42

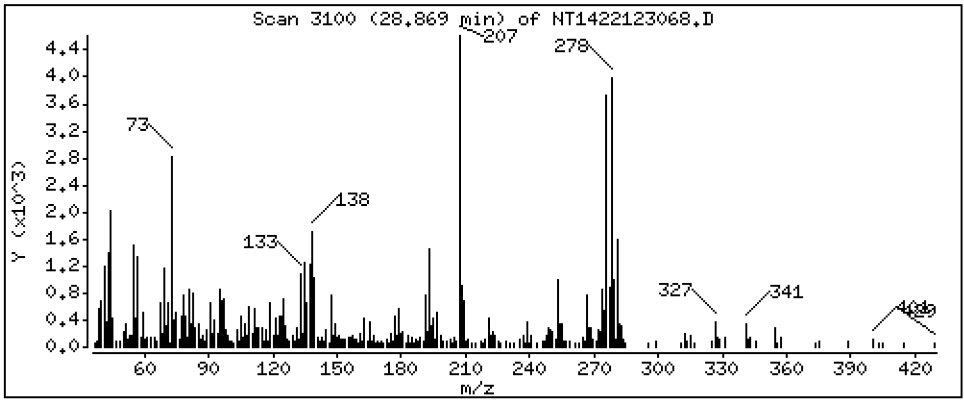
Client ID: Instrument: nt14.i

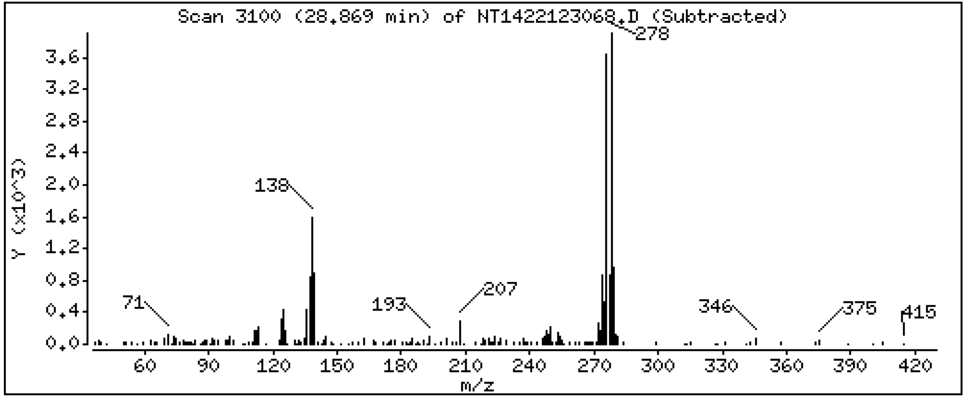
Sample Info: SKL0355-LCV4

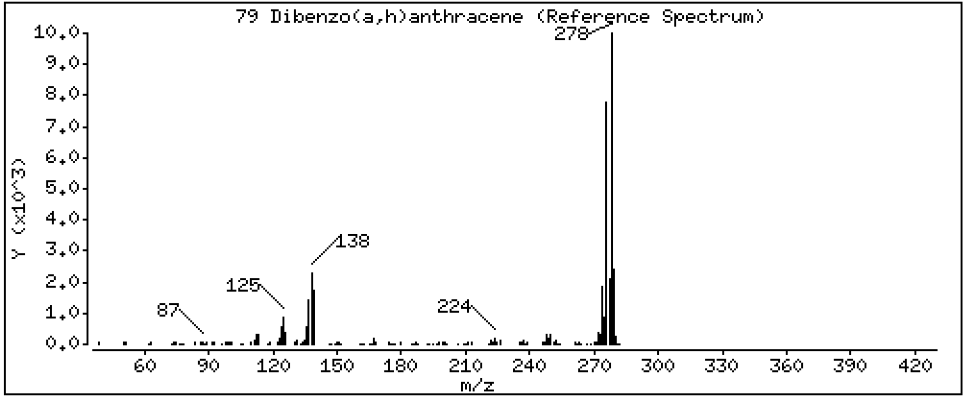
Operator: VTS

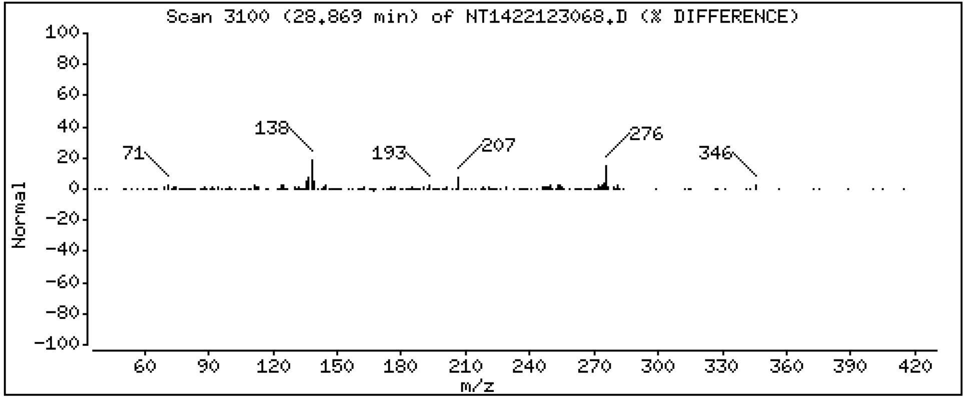
Column phase: ZB-5msi Column diameter: 0.25

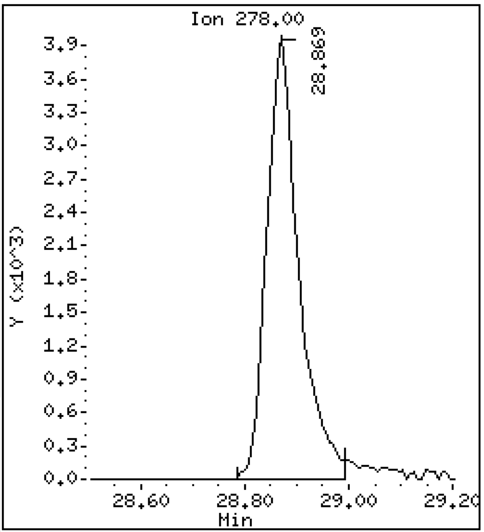
79 Dibenzo(a,h)anthracene Concentration: 0.2950 ug/mL

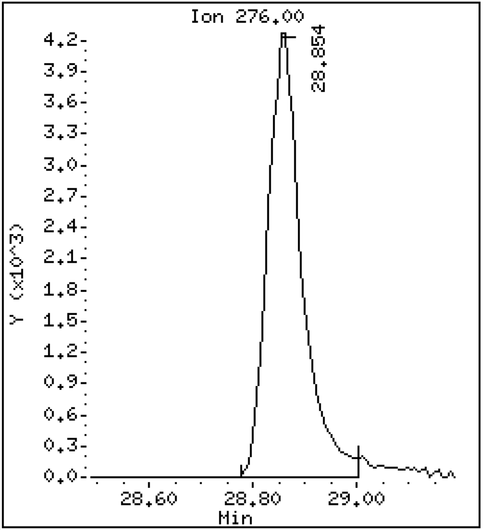

Scan 3100 (28.869 min) of NT1422123068.D


Scan 3100 (28.869 min) of NT1422123068.D (Subtracted)


79 Dibenzo(a,h)anthracene (Reference Spectrum)


Scan 3100 (28.869 min) of NT1422123068.D (% DIFFERENCE)


Ion 278.00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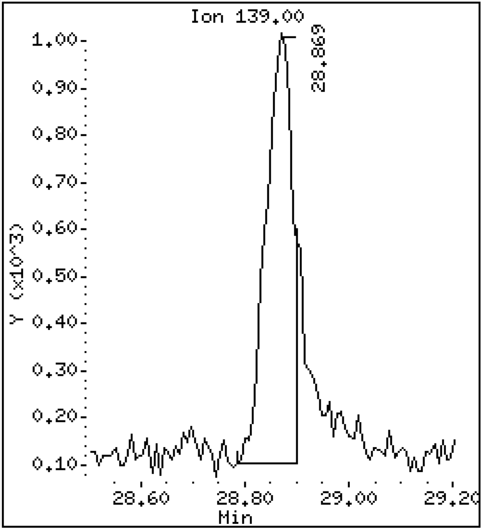

Ion 139.00

Data File: \\target\share\chem3\nt14.i\20221230C.b\NT1422123068.D

Date : 01-JAN-2023 00:42

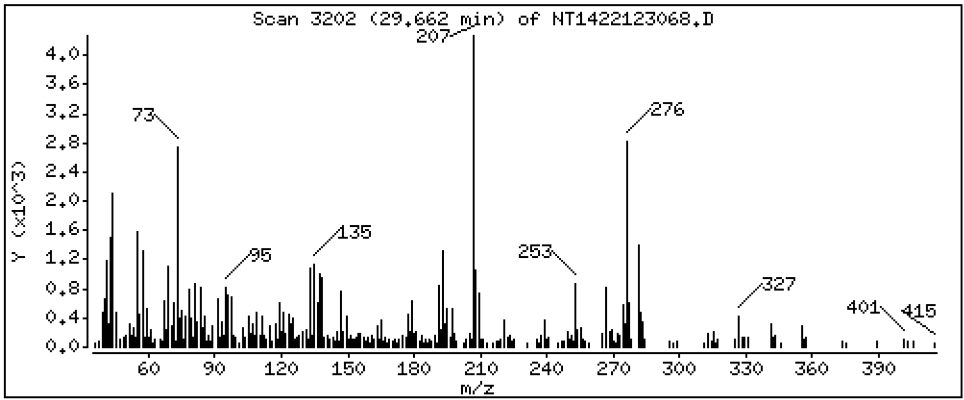
Client ID: Instrument: nt14.i

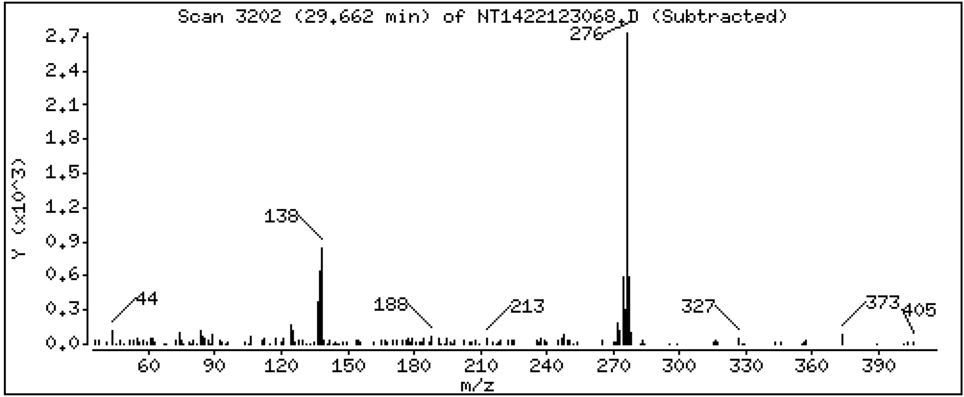
Sample Info: SKL0355-LCV4

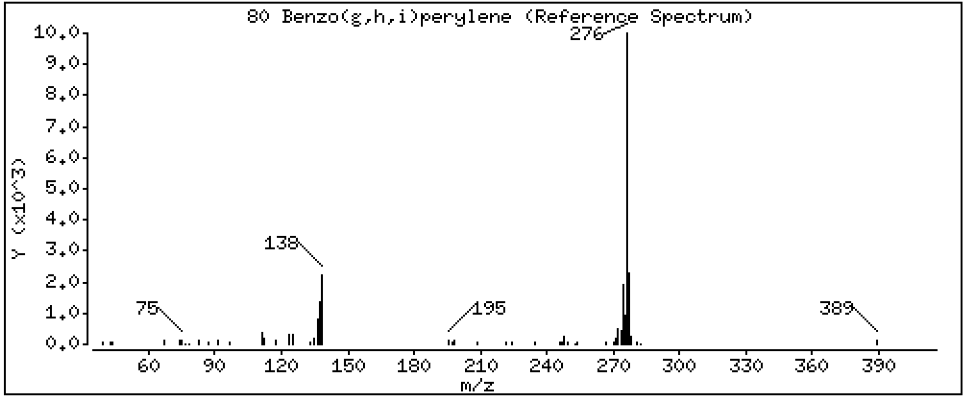
Operator: VTS

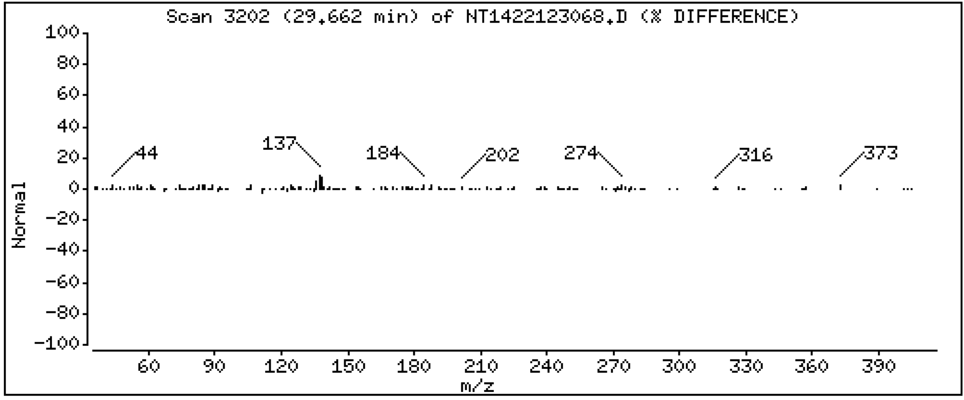
Column phase: ZB-5msi Column diameter: 0.25

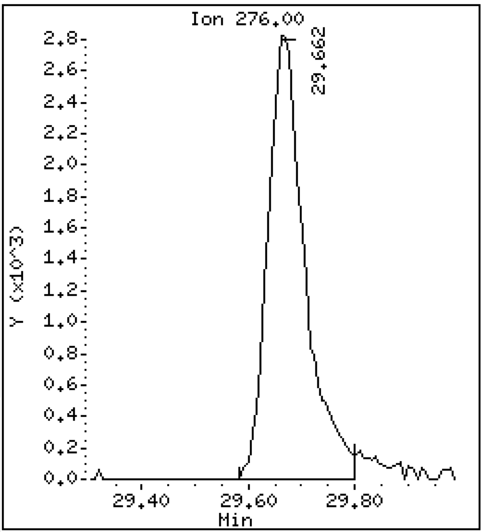
80 Benzo(g,h,i)perylene Concentration: 0.2408 ug/mL

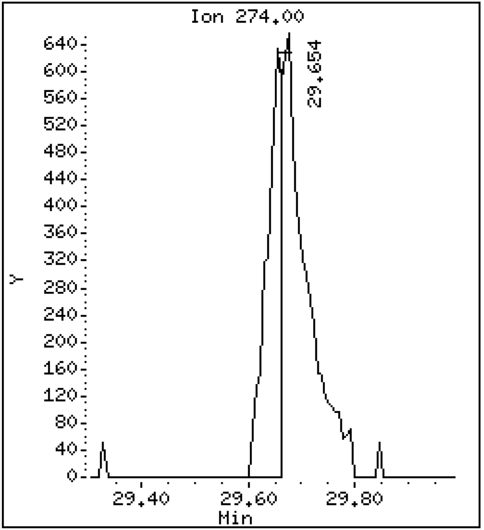

Scan 3202 (29.662 min) of NT1422123068.D

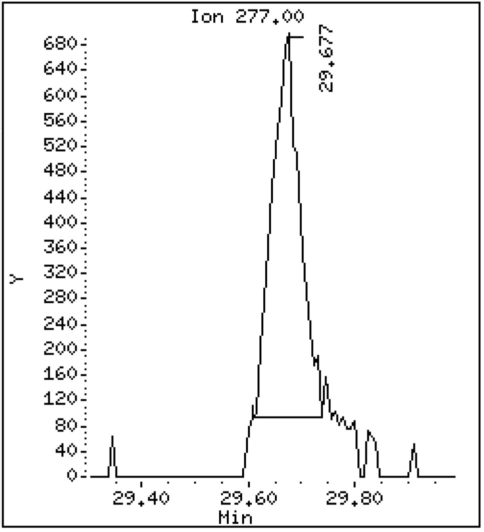

Scan 3202 (29.662 min) of NT1422123068.D (Subtracted)


80 Benzo(g,h,i)perylene (Reference Spectrum)


Scan 3202 (29.662 min) of NT1422123068.D (% DIFFERENCE)


Ion 276.00


Ion 274.00


Ion 277.00

Data File: \\target\share\chem3\nt14.i\20221230C.b\NT1422123068.D

Date : 01-JAN-2023 00:42

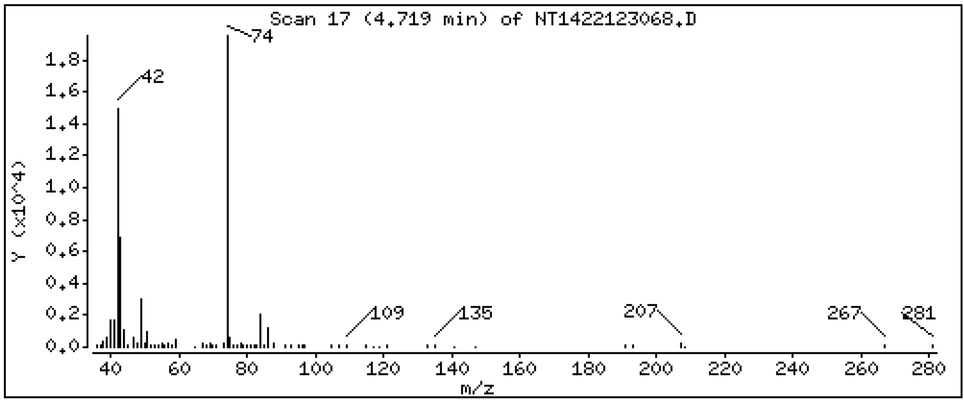
Client ID: Instrument: nt14.i

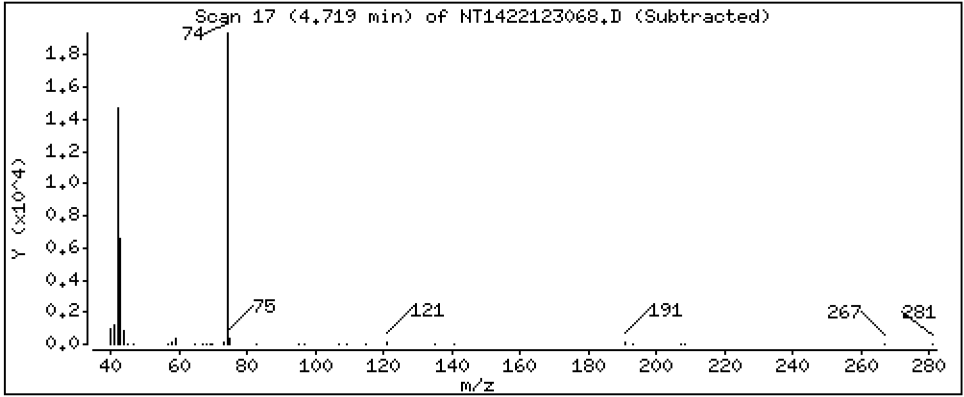
Sample Info: SKL0355-LCV4

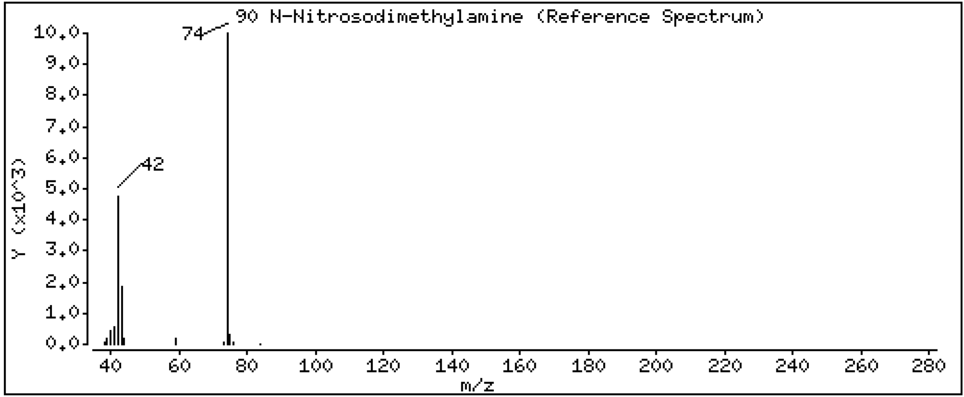
Operator: VTS

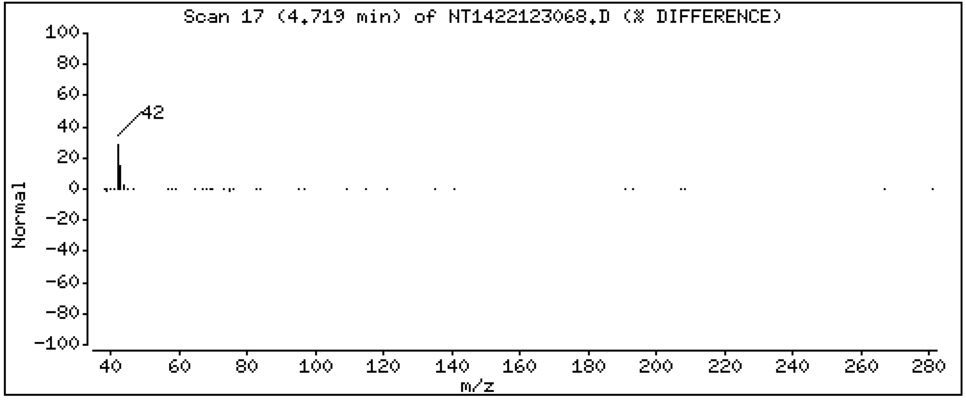
Column phase: ZB-5msi Column diameter: 0.25

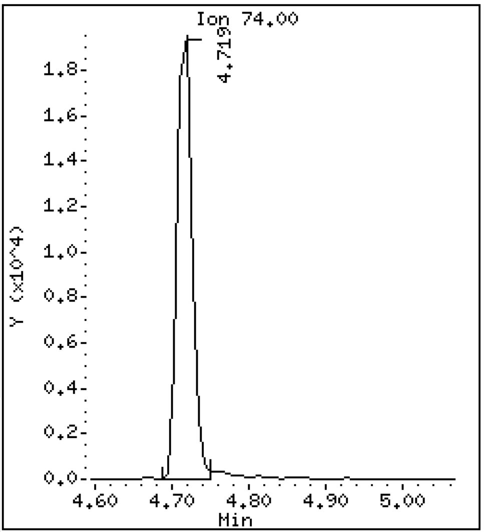
90 N-Nitrosodimethylamine Concentration: 1.011 ug/mL

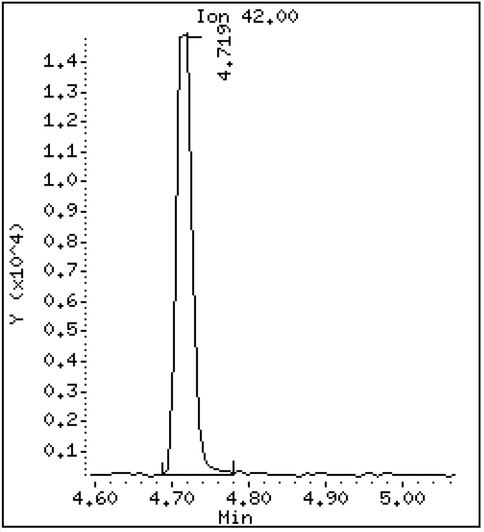












Data File: \\target\share\chem3\nt14.i\20221230C.b\NT1422123068.D

Date : 01-JAN-2023 00:42

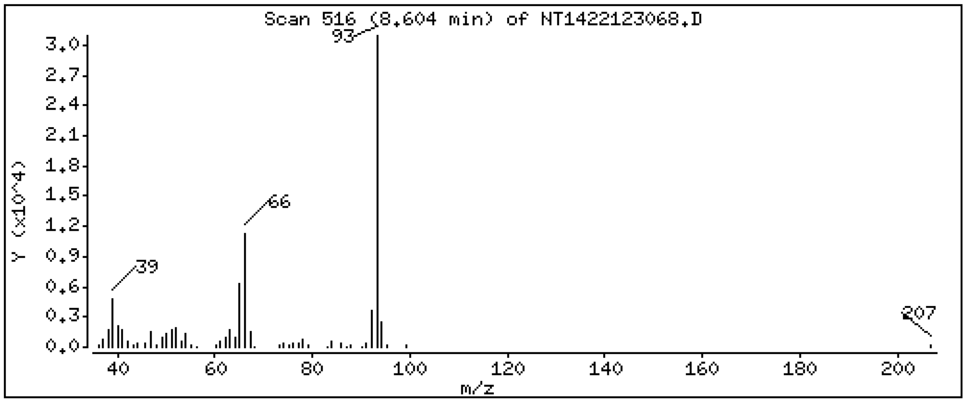
Client ID: Instrument: nt14.i

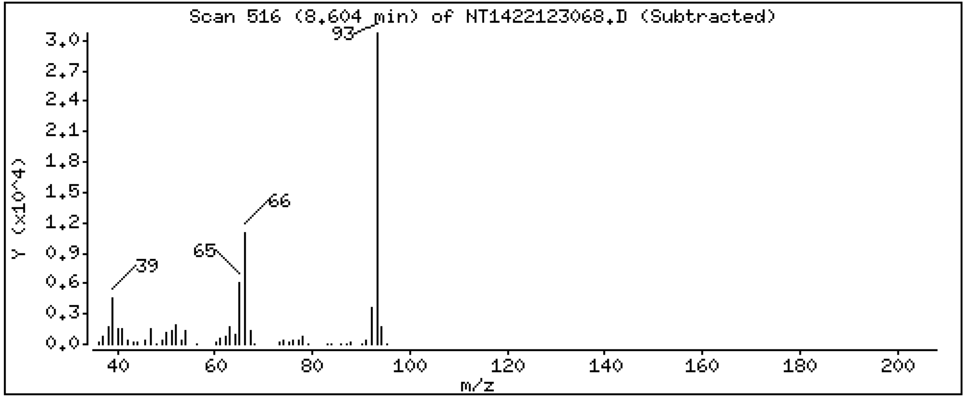
Sample Info: SKL0355-LCV4

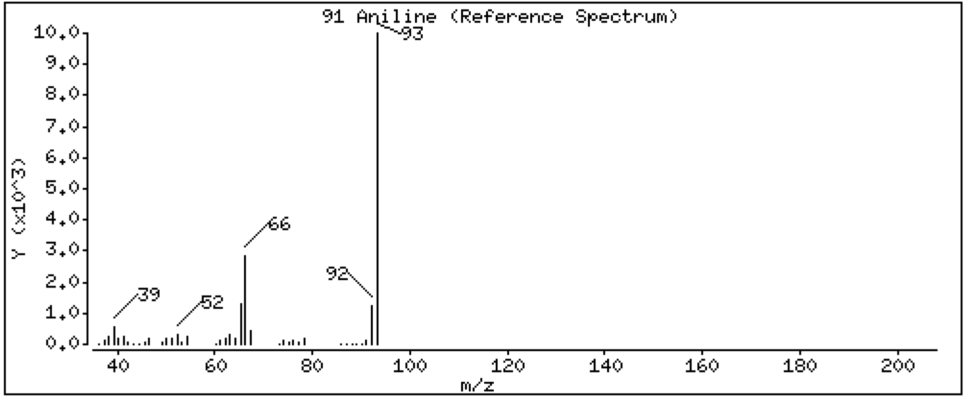
Operator: VTS

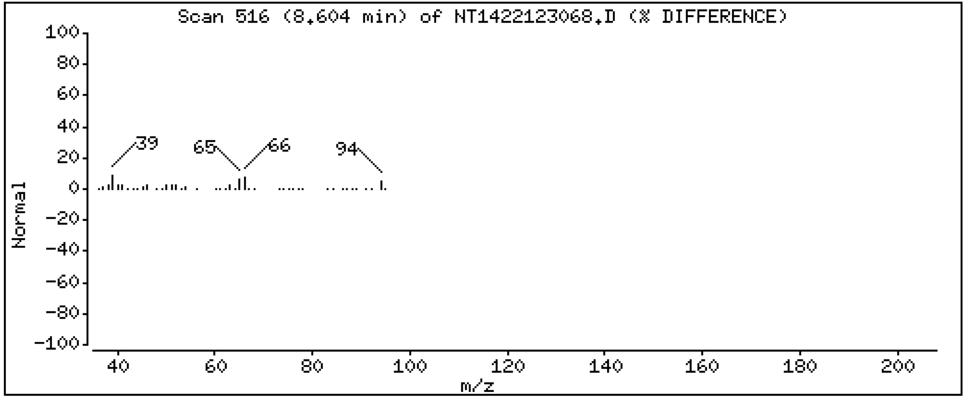
Column phase: ZB-5msi Column diameter: 0.25

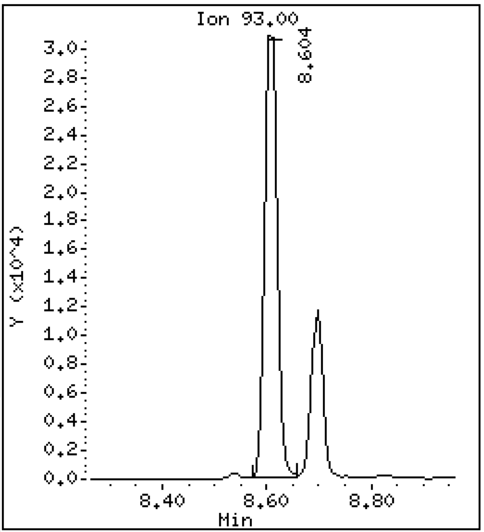
91 Aniline Concentration: 0.9709 ug/mL

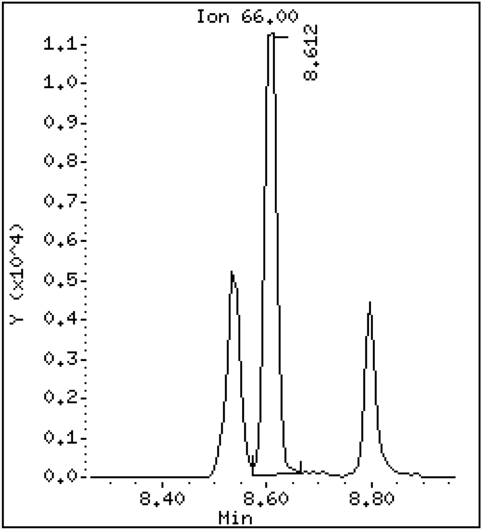


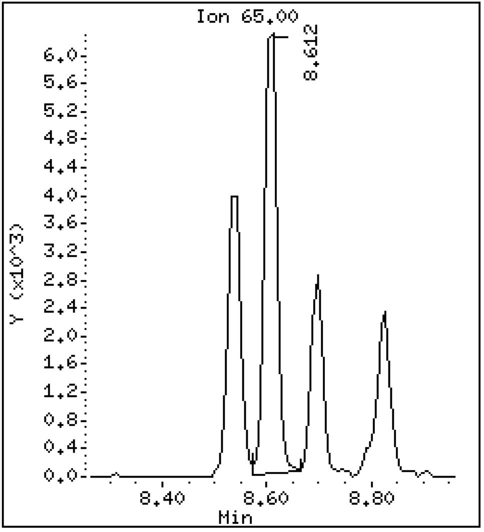












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Date : 01-JAN-2023 00:42

Client ID:

Instrument: nt14.i

Sample Info: SKL0355-LCV4

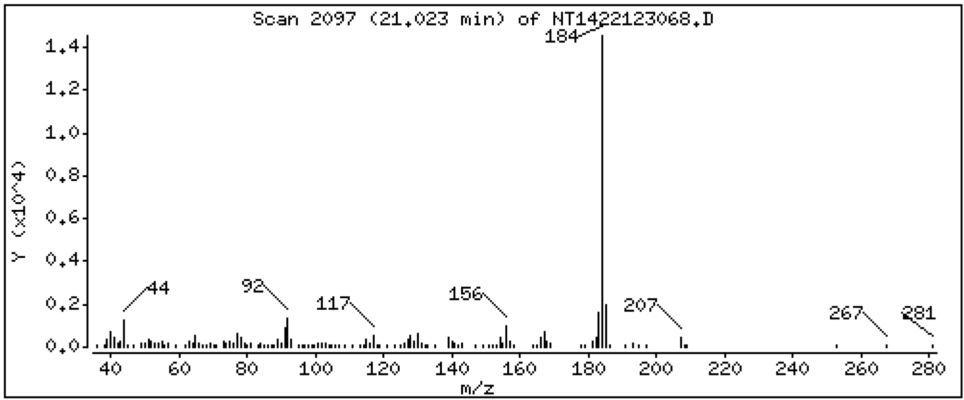
Operator: VTS

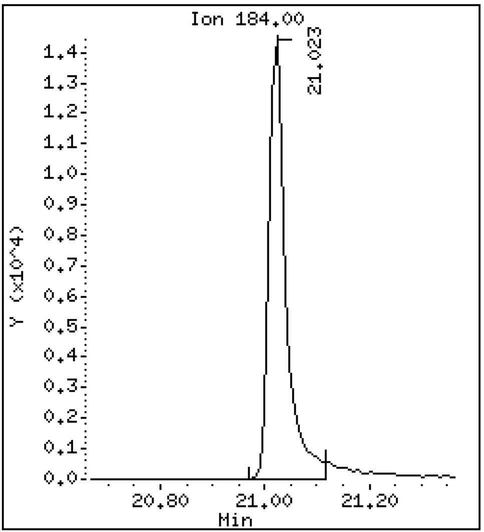
Column phase: ZB-5msi

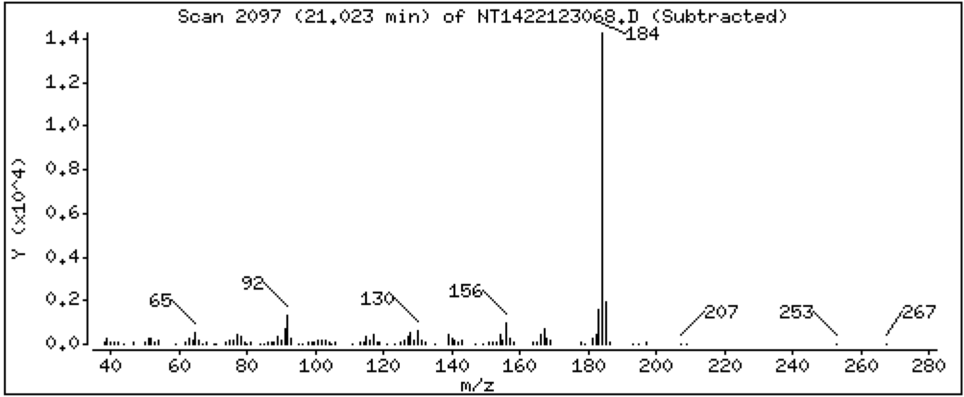
Column diameter: 0.25

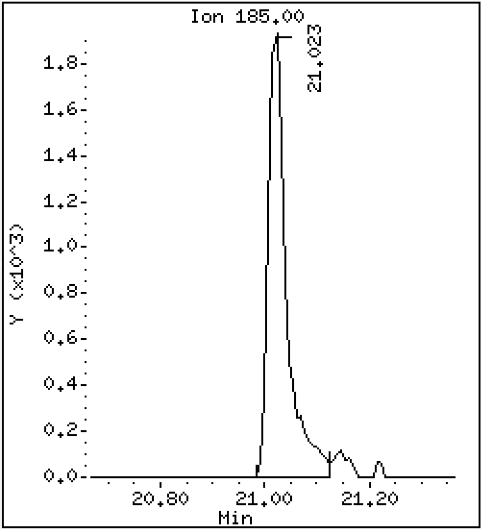
93 Benzidine

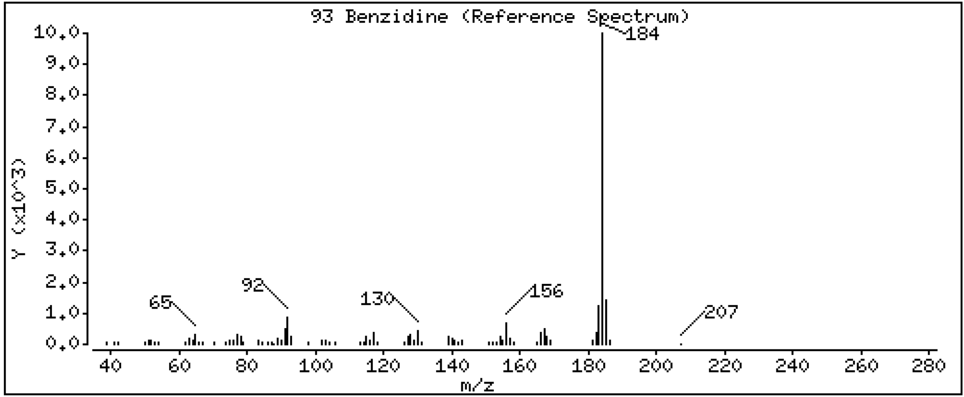
Concentration: 0.8853 ug/mL

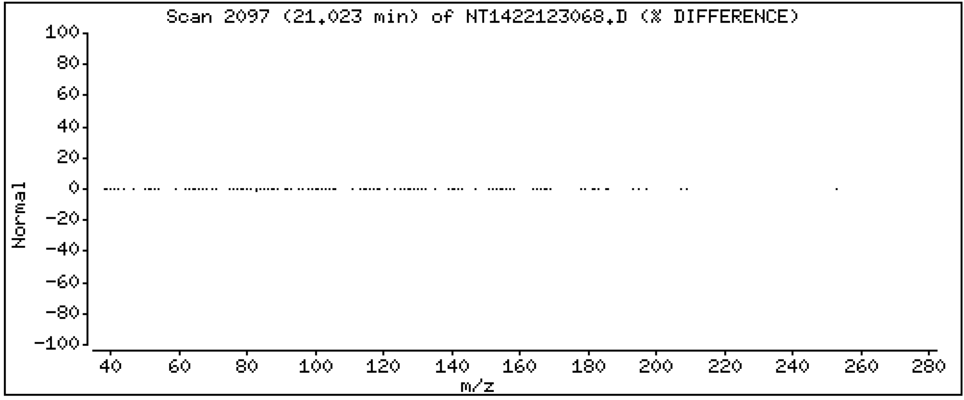


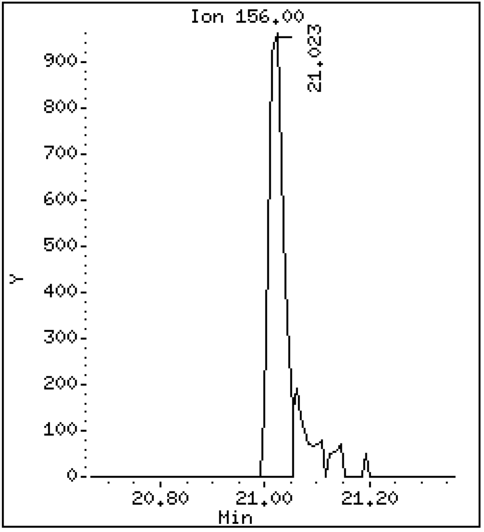












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Date : 01-JAN-2023 00:42

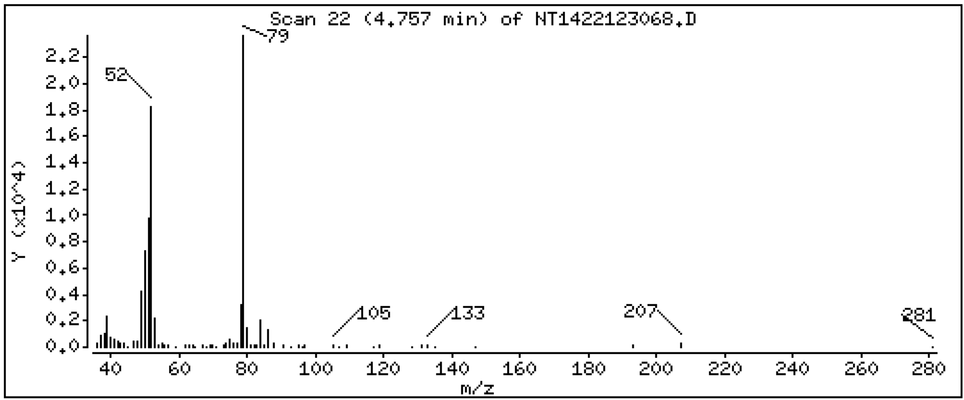
Client ID: Instrument: nt14.i

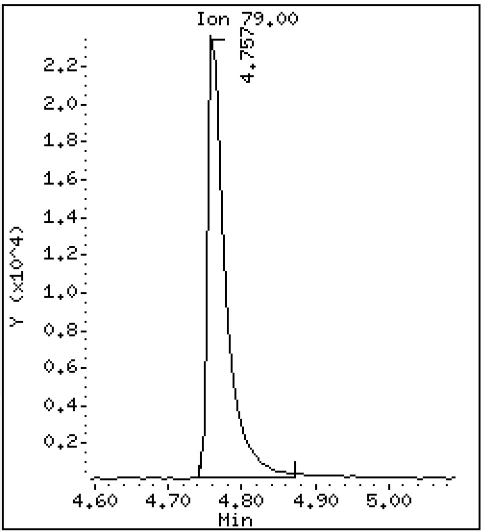
Sample Info: SKL0355-LCV4

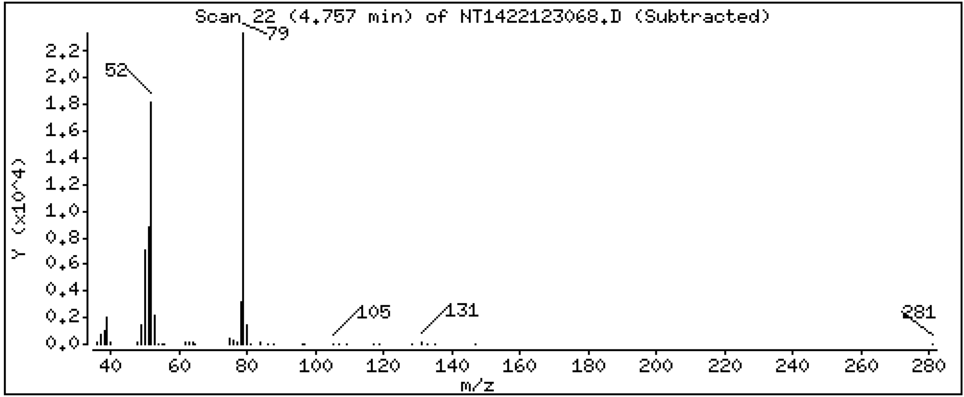
Operator: VTS

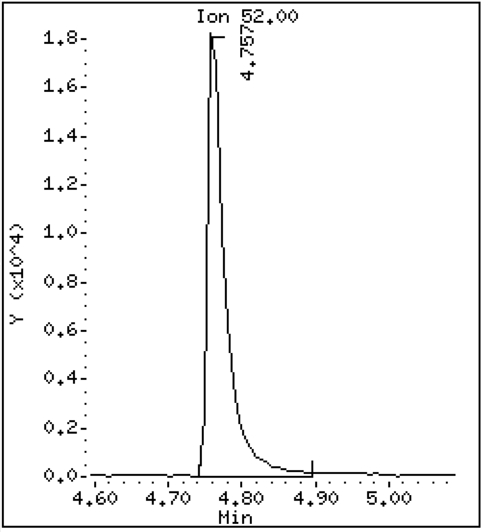
Column phase: ZB-5msi Column diameter: 0.25

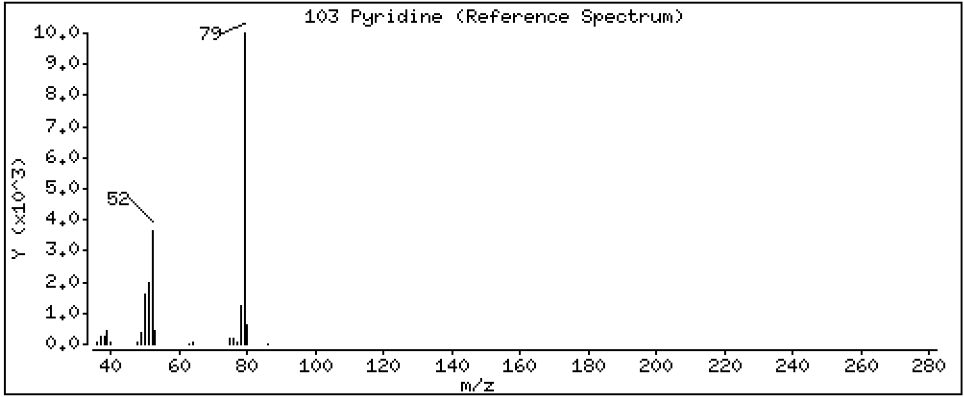
103 Pyridine Concentration: 0.5018 ug/mL

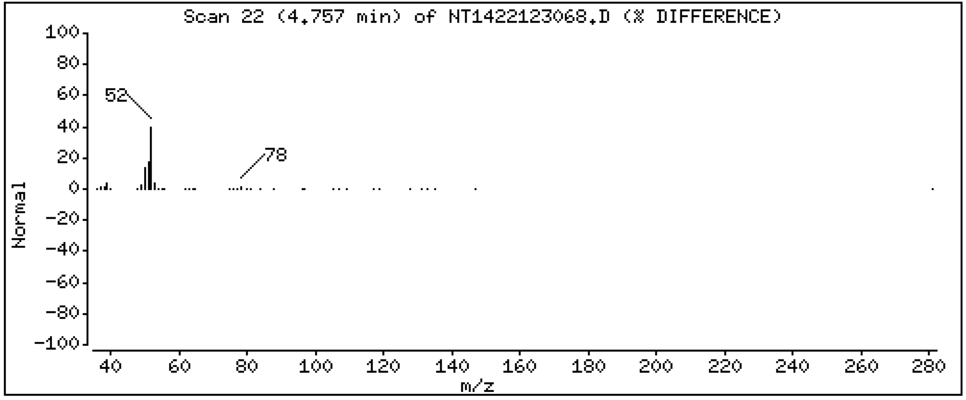












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Date : 01-JAN-2023 00:42

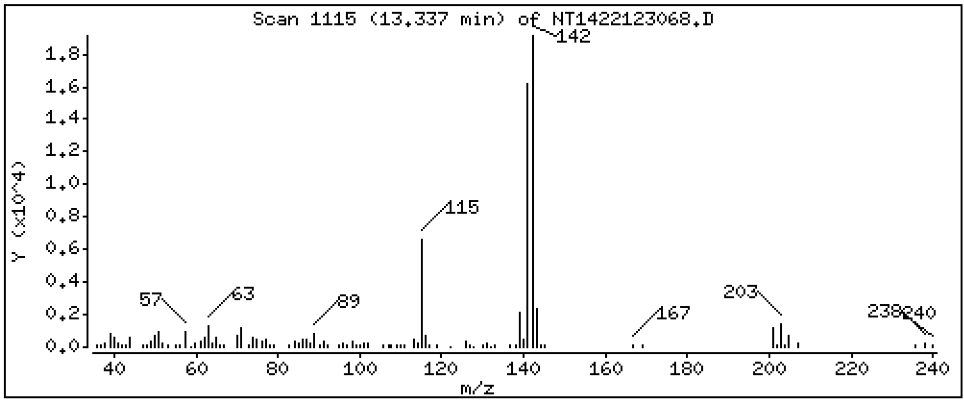
Client ID: Instrument: nt14.i

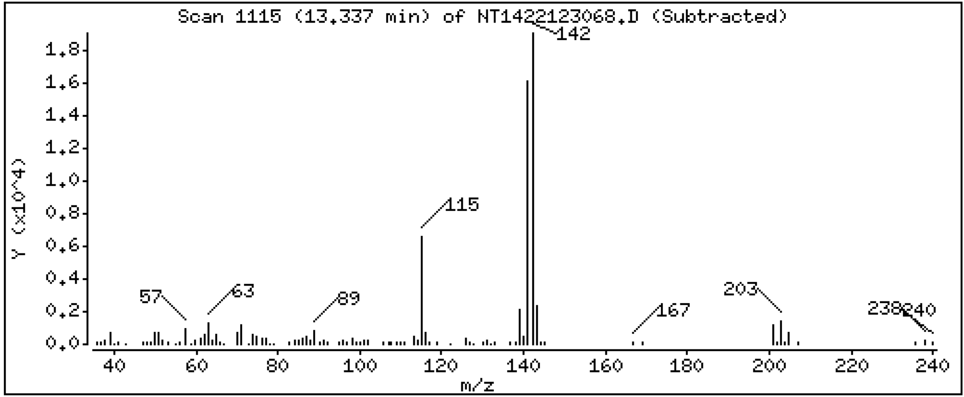
Sample Info: SKL0355-LCV4

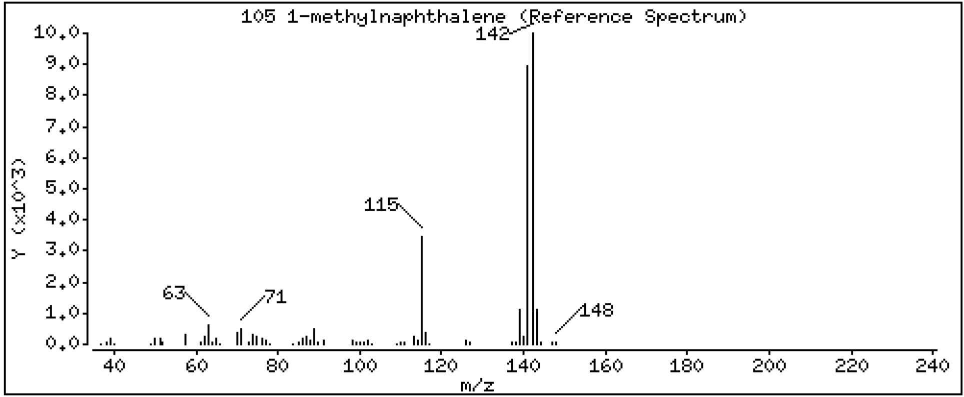
Operator: VTS

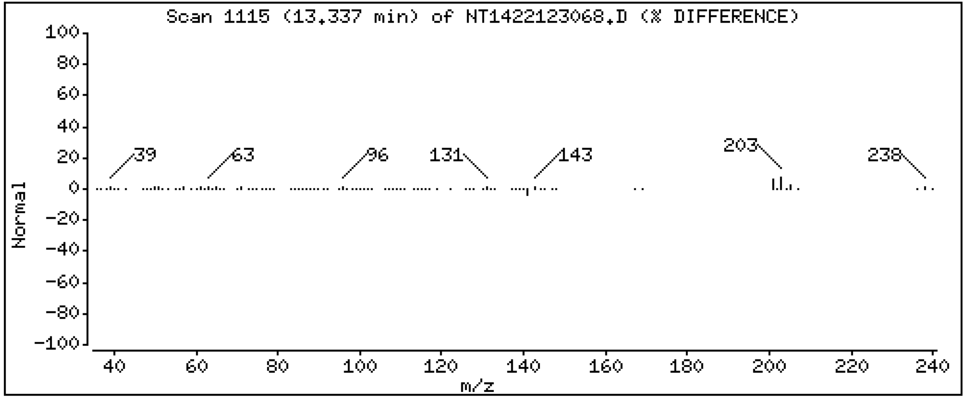
Column phase: ZB-5msi Column diameter: 0.25

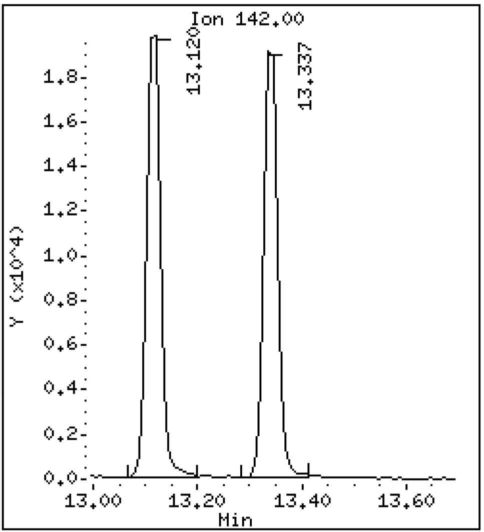
105 1-methylnaphthalene Concentration: 0.4742 ug/mL

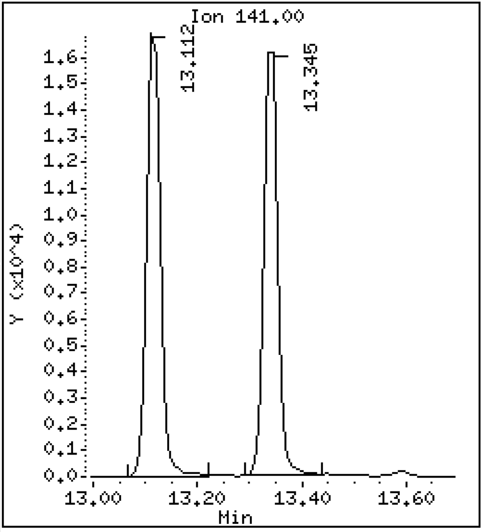












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Date : 01-JAN-2023 00:42

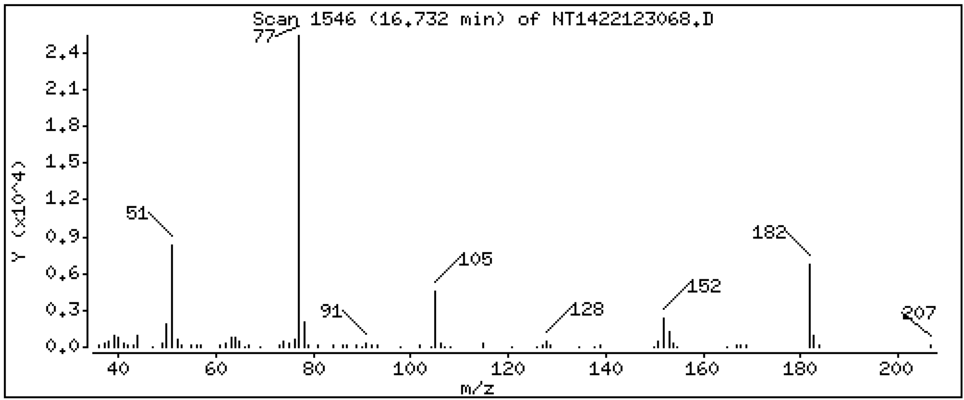
Client ID: Instrument: nt14.i

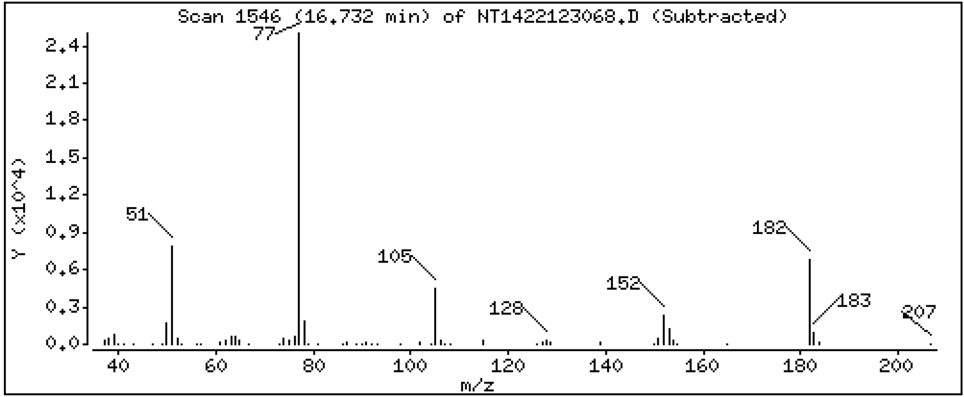
Sample Info: SKL0355-LCV4

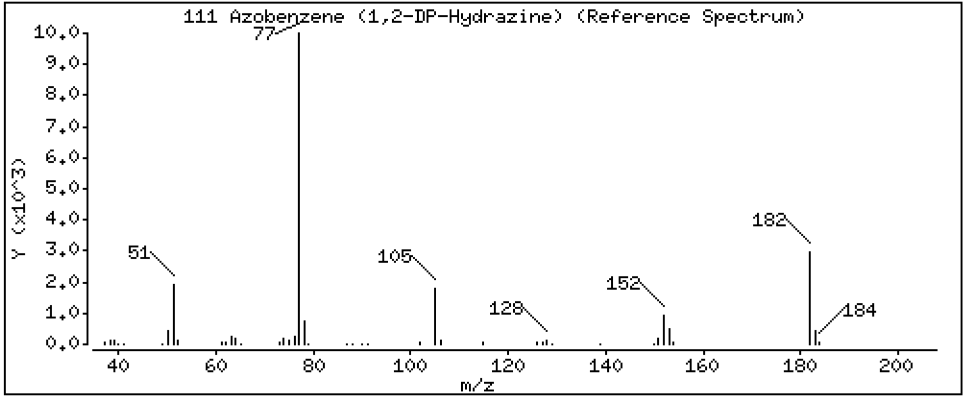
Operator: VTS

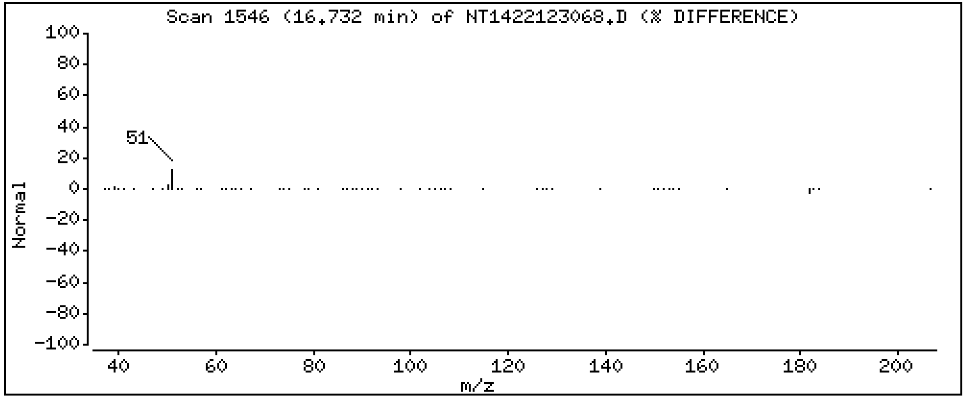
Column phase: ZB-5msi Column diameter: 0.25

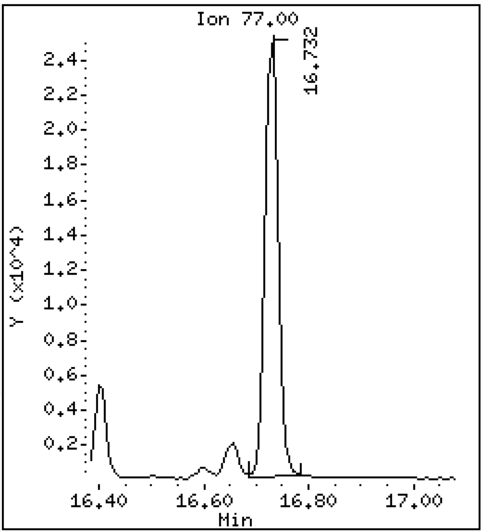
111 Azobenzene (1,2-DP-Hydrazine) Concentration: 0.5334 ug/mL

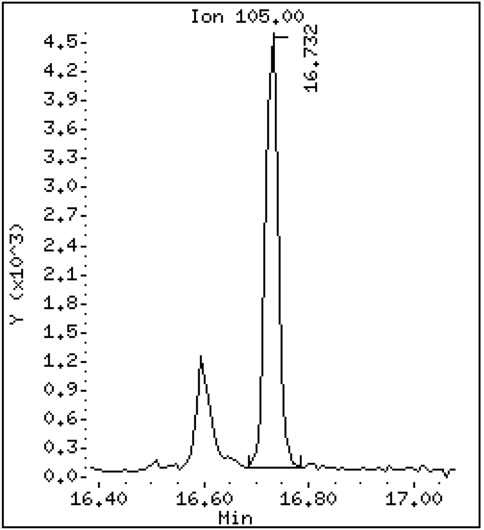

Scan 1546 (16.732 min) of NT1422123068.D

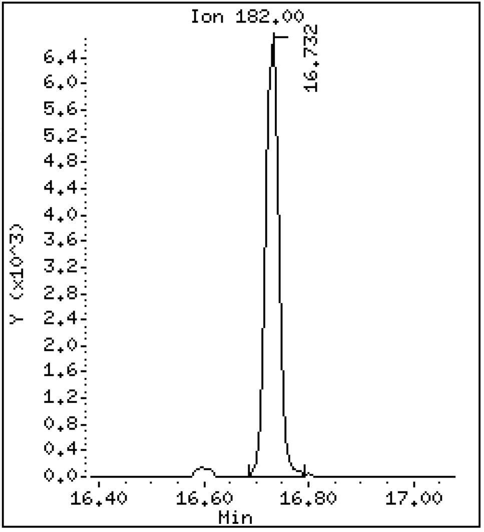

Scan 1546 (16.732 min) of NT1422123068.D (Subtracted)


111 Azobenzene (1,2-DP-Hydrazine) (Reference Spectrum)


Scan 1546 (16.732 min) of NT1422123068.D (% DIFFERENCE)


Ion 77.00


Ion 105.00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Date : 01-JAN-2023 00:42

Client ID:

Instrument: nt14.i

Sample Info: SKL0355-LCV4

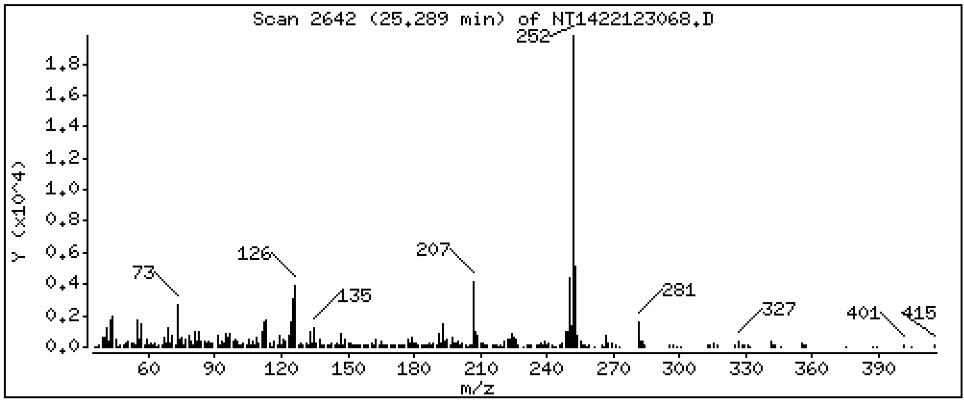
Operator: VTS

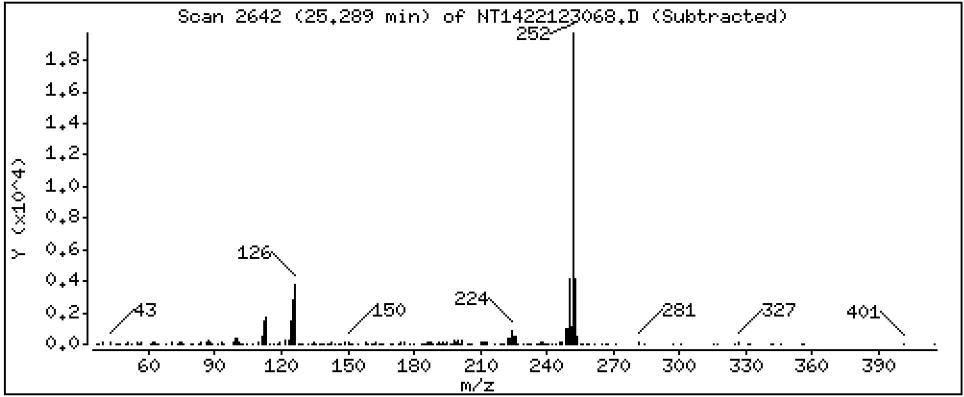
Column phase: ZB-5msi

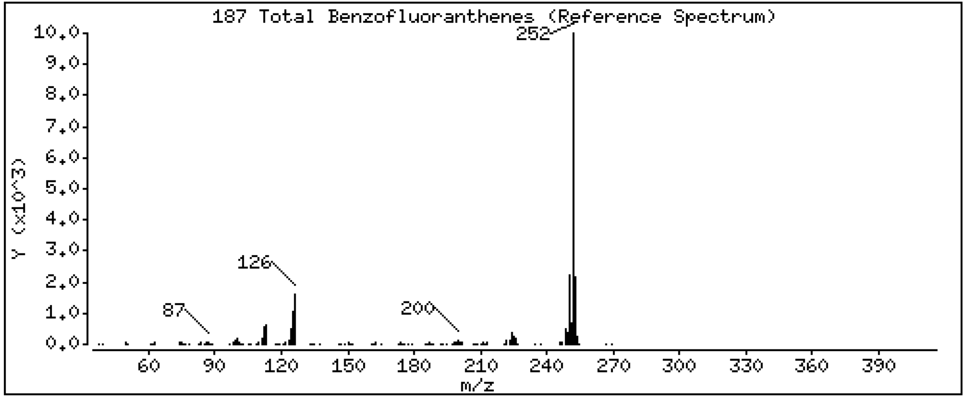
Column diameter: 0.25

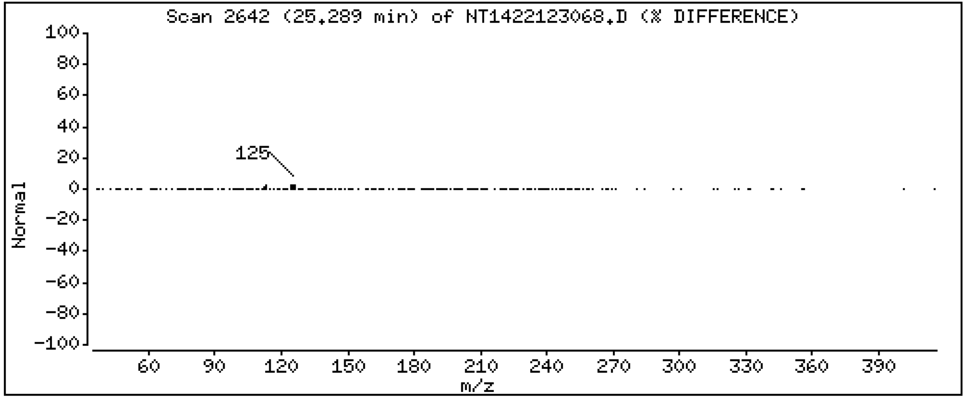
187 Total Benzofluoranthenes

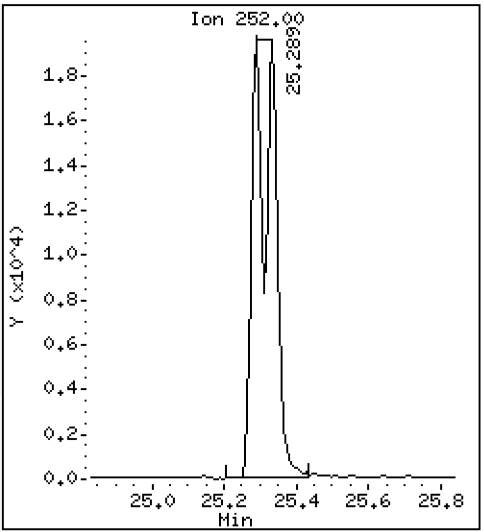
Concentration: 1.127 ug/mL

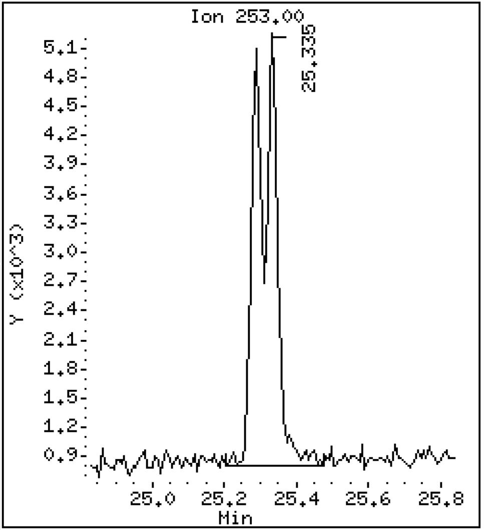

Scan 2642 (25.289 min) of NT1422123068.D

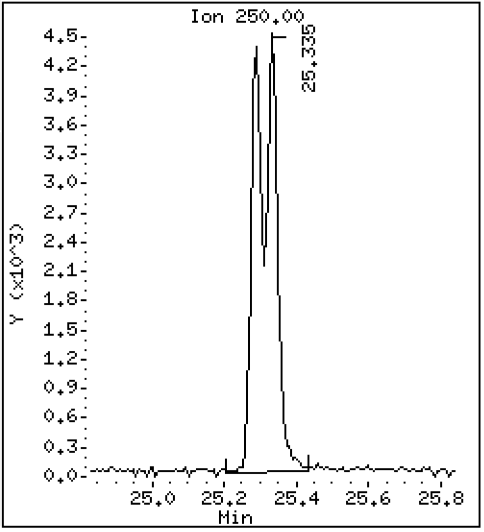

Scan 2642 (25.289 min) of NT1422123068.D (Subtracted)


187 Total Benzofluoranthenes (Reference Spectrum)


Scan 2642 (25.289 min) of NT1422123068.D (% DIFFERENCE)


Ion 252.00


Ion 253.00


Ion 250.00

Data File: \\target\share\chem3\nt14.i\20221230C.b\NT1422123068.D

Date : 01-JAN-2023 00:42

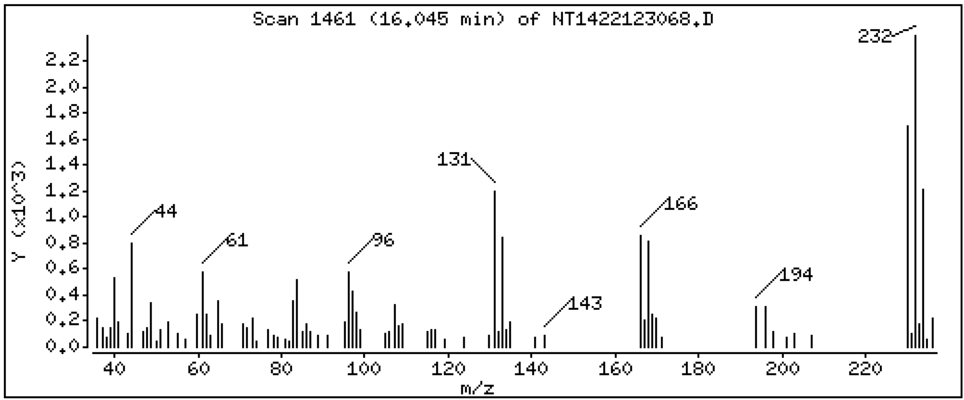
Client ID: Instrument: nt14.i

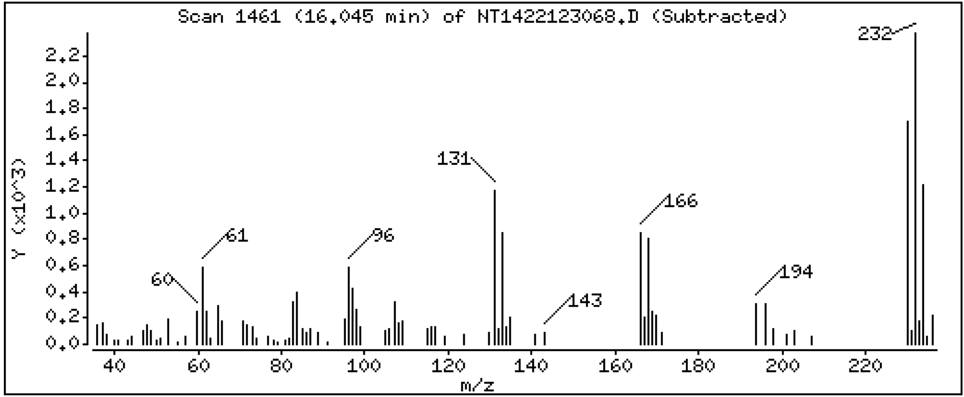
Sample Info: SKL0355-LCV4

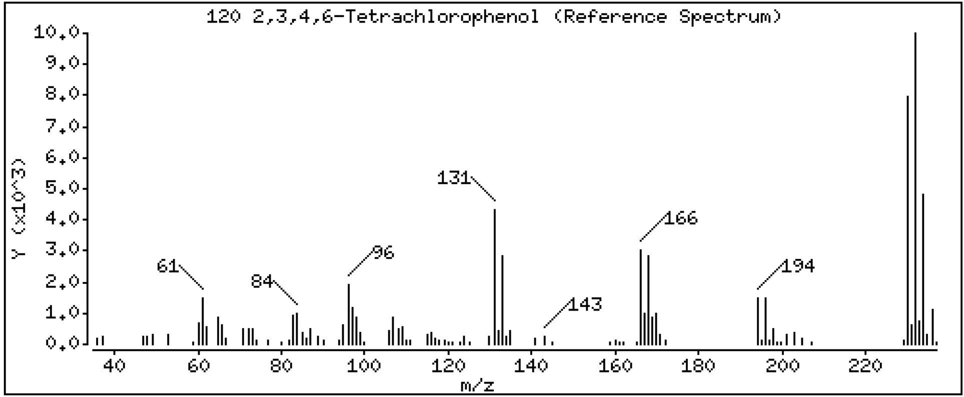
Operator: VTS

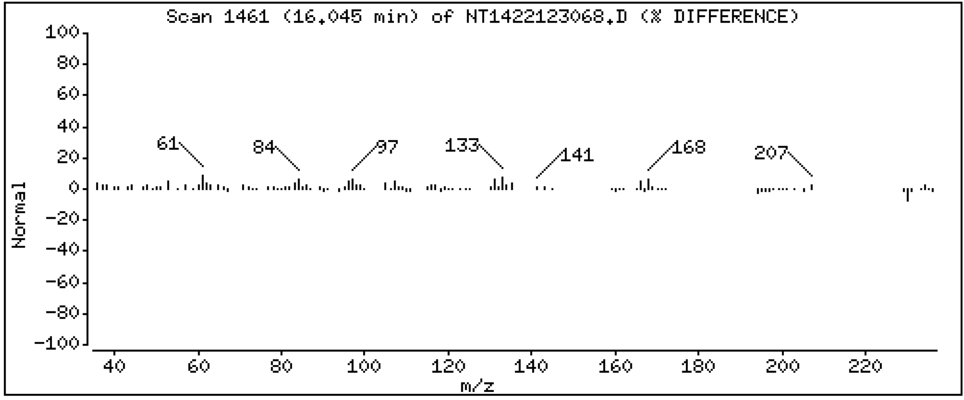
Column phase: ZB-5msi Column diameter: 0.25

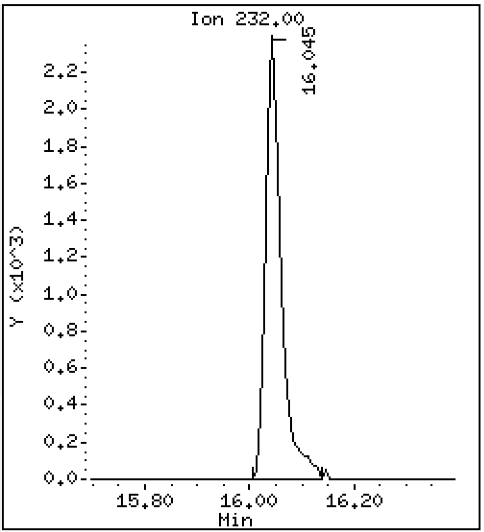
120 2,3,4,6-Tetrachlorophenol Concentration: 0.3210 ug/mL

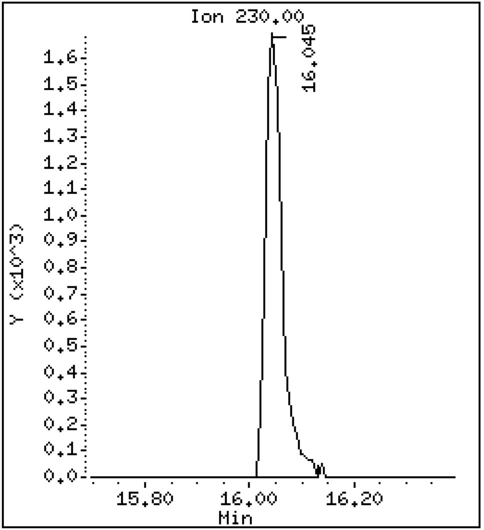

Scan 1461 (16.045 min) of NT1422123068.D


Scan 1461 (16.045 min) of NT1422123068.D (Subtracted)


120 2,3,4,6-Tetrachlorophenol (Reference Spectrum)


Scan 1461 (16.045 min) of NT1422123068.D (% DIFFERENCE)


Ion 232.00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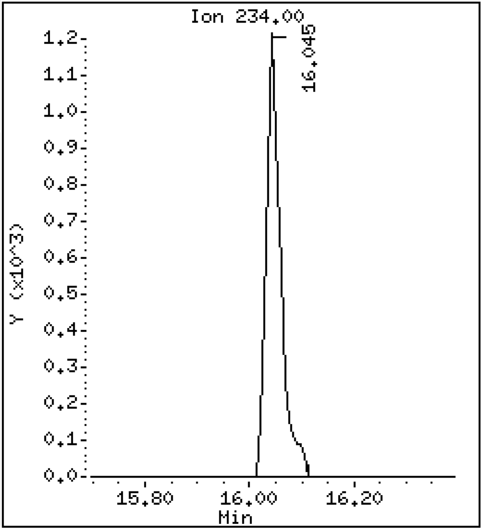
Ion 234.00

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Report Date: 04-Jan-2023 14:23


                                   ARI Labs, Inc.

                       Semivolatile Report SW846 Method 8270D
Data file : \\target\share\chem3\nt14.i\20221230C.b\NT1422123068.D
Lab Smp Id: SKL0355-LCV4
Inj Date  : 01-JAN-2023 00:42            MS Autotune Date: 17-MAY-2011 01:22
Operator  : VTS                          Inst ID: nt14.i
Smp Info  : SKL0355-LCV4
Misc Info :
Comment   : 1ul Injection
Method    : \\target\share\chem3\nt14.i\20221230C.b\ABN.m
Meth Date : 04-Jan-2023 09:32 van        Quant Type: ISTD
Cal Date  : 30-DEC-2022 11:07            Cal File: NT1422123007.D
Als bottle: 5
Dil Factor: 1.00000
Integrator: HP RTE                       Compound Sublist: ICAL.sub
Target Version:  4.14
Processing Host: VANS-201906


                                                                                  CONCENTRATIONS
                                          QUANT SIG                             ON-COLUMN    FINAL
Compounds                                   MASS         RT   EXP RT   REL RT  RESPONSE    (ug/mL)    (ug/mL)
==========================                  ====       ==== ======== ======== ========    =======    =======
$   1 2-Fluorophenol                         112      6.919    6.919 (0.755)     26679    0.73231     0.7323
$   2 Phenol-d5                               99      8.519    8.519 (0.930)     29740    0.66056     0.6606
    3 Phenol                                  94      8.542    8.542 (0.932)     24851    0.48577     0.4858
$   5 2-Chlorophenol-d4                      132      8.797    8.797 (0.960)     26376    0.69756     0.6976
    4 Bis(2-Chloroethyl)ether                 93      8.696    8.696 (0.949)     16971    0.48157     0.4816
    6 2-Chlorophenol                         128      8.828    8.827 (0.964)     21442    0.51635     0.5163
    7 1,3-Dichlorobenzene                    146      9.098    9.098 (0.993)     21932    0.49807     0.4981
*   8 1,4-Dichlorobenzene-d4                 152      9.160    9.160 (1.000)    113715    4.00000
    9 1,4-Dichlorobenzene                    146      9.191    9.191 (1.003)     21144    0.50685     0.5068
$  10 1,2-Dichlorobenzene-d4                 152      9.525    9.525 (1.040)     12409    0.48016     0.4802
   12 1,2-Dichlorobenzene                    146      9.548    9.556 (1.042)     20298    0.49614     0.4961
   11 Benzyl alcohol                         108      9.440    9.440 (1.030)      8811    0.38688     0.3869
   14 2,2'-oxybis(1-Chloropropane)           121      9.735    9.735 (1.063)      5608    0.47279     0.4728(M)
   13 2-Methylphenol                         108      9.665    9.665 (1.055)     18106    0.48706     0.4871
   17 Hexachloroethane                       117     10.154   10.154 (1.108)      6330    0.41257     0.4126
   16 N-Nitroso-di-n-propylamine              70      9.991    9.998 (1.091)     11492    0.50748     0.5075
   15 4-Methylphenol                         108      9.937    9.936 (1.085)     18249    0.46535     0.4654
$  18 Nitrobenzene-d5                         82     10.262   10.262 (0.880)     16843    0.48307     0.4831
   19 Nitrobenzene                            77     10.293   10.301 (0.882)     16249    0.46925     0.4693
   20 Isophorone                              82     10.751   10.751 (0.922)     19966    0.45240     0.4524
   21 2-Nitrophenol                          139     10.938   10.937 (0.938)     10030    0.47315     0.4732
   22 2,4-Dimethylphenol                     107     10.992   10.992 (0.942)     35304    0.97686     0.9769
   23 Bis(2-Chloroethoxy)methane              93     11.178   11.186 (0.958)     16990    0.49487     0.4949
   24 Benzoic acid                           105     11.093   11.209 (0.951)      9855    0.44771     0.4477
   25 2,4-Dichlorophenol                     162     11.395   11.395 (0.977)     29244    0.95995     0.9599
   26 1,2,4-Trichlorobenzene                 180     11.581   11.581 (0.993)     16108    0.48901     0.4890
*  27 Naphthalene-d8                         136     11.666   11.673 (1.000)    412900    4.00000
   28 Naphthalene                            128     11.712   11.712 (1.004)     49324    0.48541     0.4854
   29 4-Chloroaniline                        127     11.835   11.835 (1.015)     37233    0.88851     0.8885
   30 Hexachlorobutadiene                    225     12.075   12.075 (1.035)      7808    0.47774     0.4777
   31 4-Chloro-3-methylphenol                107     12.818   12.810 (1.099)     27298    0.94955     0.9495
   32 2-Methylnaphthalene                    142     13.120   13.120 (1.125)     34703    0.46559     0.4656
   33 Hexachlorocyclopentadiene              237     13.584   13.584 (0.888)      2182    0.13732     0.1373
```

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Data File: \\target\share\chem3\nt14.i\20221230C.b\NT1422123068.D Page 2
Report Date: 04-Jan-2023 14:23


                                                                                          CONCENTRATIONS
                                      QUANT SIG                                         ON-COLUMN    FINAL
Compounds                               MASS           RT   EXP RT   REL RT  RESPONSE    (ug/mL)    (ug/mL)
==========================              ====          ==== ======== ======== ========    =======    =======
   34 2,4,6-Trichlorophenol              196        13.747  13.739 (0.898)      15331    0.87384     0.8738
   35 2,4,5-Trichlorophenol              196        13.832  13.816 (0.904)      16238    0.80193     0.8019
$  36 2-Fluorobiphenyl                   172        13.901  13.901 (0.908)      33358    0.47200     0.4720
   37 2-Chloronaphthalene                162        14.118  14.118 (0.923)      28915    0.48093     0.4809
   38 2-Nitroaniline                      65        14.373  14.373 (0.939)      15604    0.98717     0.9872
   39 Dimethylphthalate                  163        14.799  14.799 (0.967)      29378    0.49559     0.4956
   40 Acenaphthylene                     152        14.993  14.993 (0.980)      45647    0.49793     0.4979
   41 2,6-Dinitrotoluene                 165        14.938  14.938 (0.976)      11674    0.87263     0.8726
*  42 Acenaphthene-d10                   164        15.302  15.310 (1.000)     210199    4.00000
   43 3-Nitroaniline                     138        15.225  15.225 (0.995)      13799    0.84865     0.8487
   44 Acenaphthene                       153        15.372  15.371 (1.005)      28173    0.49548     0.4955
   45 2,4-Dinitrophenol                  184        15.457  15.441 (1.010)        140    0.01232    0.01232(M)
   46 Dibenzofuran                       168        15.704  15.704 (1.026)      42021    0.49282     0.4928
   47 4-Nitrophenol                      109        15.611  15.557 (1.020)       5233    0.67188     0.6719(M)
   48 2,4-Dinitrotoluene                 165        15.750  15.750 (1.029)      14281    0.77805     0.7780
   50 Diethylphthalate                   149        16.261  16.268 (1.063)      46077    0.57187     0.5719
   49 Fluorene                           166        16.415  16.423 (1.073)      44261    0.48795     0.4880
   51 4-Chlorophenyl-phenylether         204        16.407  16.407 (1.072)      22749    0.51226     0.5123
   52 4-Nitroaniline                     138        16.508  16.500 (1.079)      16284    0.83129     0.8313
   53 4,6-Dinitro-2-methylphenol         198        16.600  16.600 (0.904)       5489    0.38256     0.3826
   54 N-Nitrosodiphenylamine             169        16.654  16.654 (0.907)      29997    0.51151     0.5115
$  55 2,4,6-Tribromophenol               330        16.955  16.955 (1.108)       5302    0.53750     0.5375
   56 4-Bromophenyl-phenylether          248        17.410  17.410 (0.949)      10508    0.47320     0.4732
   57 Hexachlorobenzene                  284        17.734  17.734 (0.966)      11873    0.48722     0.4872
   58 Pentachlorophenol                  266        18.098  18.090 (0.986)       1094    0.10366     0.1037
*  59 Phenanthrene-d10                   188        18.354  18.361 (1.000)     341756    4.00000
   60 Phenanthrene                       178        18.408  18.408 (1.003)      43053    0.48317     0.4832
   61 Anthracene                         178        18.501  18.500 (1.008)      41243    0.48484     0.4848
   62 Carbazole                          167        18.833  18.825 (1.026)      38498    0.46815     0.4681
   63 Di-n-butylphthalate                149        19.615  19.614 (1.069)      44555    0.47888     0.4789
   64 Fluoranthene                       202        20.791  20.791 (0.889)      44357    0.47195     0.4720
   65 Pyrene                             202        21.216  21.216 (0.907)      47545    0.48113     0.4811
$  66 Terphenyl-d14                      244        21.495  21.495 (0.919)      31626    0.45136     0.4514
   67 Butylbenzylphthalate               149        22.408  22.408 (0.958)      19630    0.52609     0.5261
   68 Benzo(a)anthracene                 228        23.368  23.376 (0.999)      46031    0.52057     0.5206
*  69 Chrysene-d12                       240        23.399  23.399 (1.000)     291897    4.00000
   70 3,3'-Dichlorobenzidine             252        23.322  23.322 (0.997)      44420    1.64100      1.641
   71 Chrysene                           228        23.446  23.446 (1.002)      41769    0.50008     0.5001
   72 bis(2-Ethylhexyl)phthalate         149        23.430  23.430 (0.959)      26412    0.51360     0.5136
* 134 Di-n-octylphthalate-d4             153        24.421  24.421 (1.000)     463051    4.00000
   73 Di-n-octylphthalate                149        24.429  24.429 (1.000)      54465    0.49000     0.4900
   74 Benzo(b)fluoranthene               252        25.288  25.296 (0.969)      39255    0.54365     0.5437
   75 Benzo(k)fluoranthene               252        25.335  25.335 (0.971)      41907    0.57023     0.5702
   76 Benzo(a)pyrene                     252        25.962  25.970 (0.995)      31790    0.52962     0.5296
*  77 Perylene-d12                       264        26.086  26.086 (1.000)     229756    4.00000
   78 Indeno(1,2,3-cd)pyrene             276        28.853  28.838 (1.106)      19627    0.28764     0.2876
   79 Dibenzo(a,h)anthracene             278        28.869  28.853 (1.107)      17106    0.29501     0.2950
   80 Benzo(g,h,i)perylene               276        29.661  29.653 (1.137)      13763    0.24077     0.2408
   90 N-Nitrosodimethylamine              74         4.718   4.718 (0.515)      25361    1.01079      1.011
   91 Aniline                             93         8.604   8.611 (0.939)      48364    0.97094     0.9709
   93 Benzidine                          184        21.023  21.015 (0.898)      31719    0.88529     0.8853
  103 Pyridine                            79         4.757   4.741 (0.519)      40010    0.50184     0.5018
  105 1-methylnaphthalene                142        13.336  13.344 (1.143)      33959    0.47418     0.4742
  111 Azobenzene (1,2-DP-Hydrazine)       77        16.731  16.731 (1.093)      41634    0.53337     0.5334
```

```
                                                                                         CONCENTRATIONS
                                      QUANT SIG                                        ON-COLUMN    FINAL
Compounds                               MASS          RT    EXP RT   REL RT  RESPONSE    (ug/mL)    (ug/mL)
==========================              ====         ==== ======== ======== ========    =======    =======
  187 Total Benzofluoranthenes           252       25.288  25.335 (0.969)     78652    1.12670      1.127
  120 2,3,4,6-Tetrachlorophenol          232       16.044  16.044 (1.048)      4758    0.32105     0.3210
```

QC Flag Legend

M - Compound response manually integrated.

Data File: \\target\share\chem3\nt14.i\20221230C.b\NT1422123068.D Page 1
Report Date: 04-Jan-2023 14:23

ARI Labs, Inc.

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: nt14.i
Lab File ID: NT1422123068.D
Lab Smp Id: SKL0355-LCV4
Analysis Type: SV
Quant Type: ISTD
Operator: VTS
Method File: \\target\share\chem3\nt14.i\20221230C.b\ABN.m
Misc Info:

Calibration Date: 31-DEC-2022
Calibration Time: 23:30
Level:
Sample Type:

Test Mode:
Use Last Continuing Calibrator.

		AREA LIMIT			
COMPOUND	STANDARD	LOWER	UPPER	SAMPLE	%DIFF
8 1,4-Dichlorobenze	138755	69378	277510	113715	-18.05
27 Naphthalene-d8	501723	250862	1003446	412900	-17.70
42 Acenaphthene-d10	275234	137617	550468	210199	-23.63
59 Phenanthrene-d10	440085	220043	880170	341756	-22.34
69 Chrysene-d12	384795	192398	769590	291897	-24.14
134 Di-n-octylphthala	674530	337265	1349060	463051	-31.35
77 Perylene-d12	336665	168333	673330	229756	-31.76

		RT LIMIT			
COMPOUND	STANDARD	LOWER	UPPER	SAMPLE	%DIFF
8 1,4-Dichlorobenze	9.16	8.66	9.66	9.16	0.00
27 Naphthalene-d8	11.67	11.17	12.17	11.67	-0.07
42 Acenaphthene-d10	15.31	14.81	15.81	15.30	-0.05
59 Phenanthrene-d10	18.36	17.86	18.86	18.35	-0.04
69 Chrysene-d12	23.40	22.90	23.90	23.40	0.00
134 Di-n-octylphthala	24.42	23.92	24.92	24.42	0.00
77 Perylene-d12	26.09	25.59	26.59	26.09	0.00

AREA UPPER LIMIT = +100% of internal standard area.
AREA LOWER LIMIT = - 50% of internal standard area.
RT UPPER LIMIT = + 0.50 minutes of internal standard RT.
RT LOWER LIMIT = - 0.50 minutes of internal standard RT.

```
REVIEW SUMMARY FOR FILE - NT1422123068.D

Lab ID: SKL0355-LCV4
nt14.i,  20221230C.b\ABN.m,    01-JAN-2023 00:42

     RT      CO-ELUTION COMPOUNDS
----------------------------------------------------------------------------

            NO CO-ELUTIONS


Quant Method: ICAL



        RRT CHECK

   RRT    CCV RRT   DELTA    COMPOUND
 -------------------------------------

  0.951    0.960   -0.0093   Benzoic acid

  RRT check based on Ccal File: NT1422123066.D


 On Column LOD for nt14.i, 20221230C.b\ABN.m, ICAL.sub = 0.0000

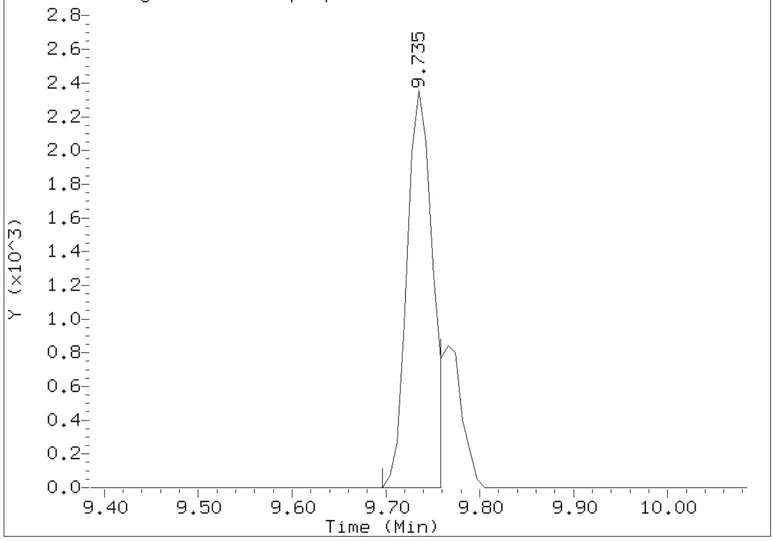

 * Only compounds listed in the work order have been verified by the analyst *
```

Quant Ion Manual Peak Adjustment Report

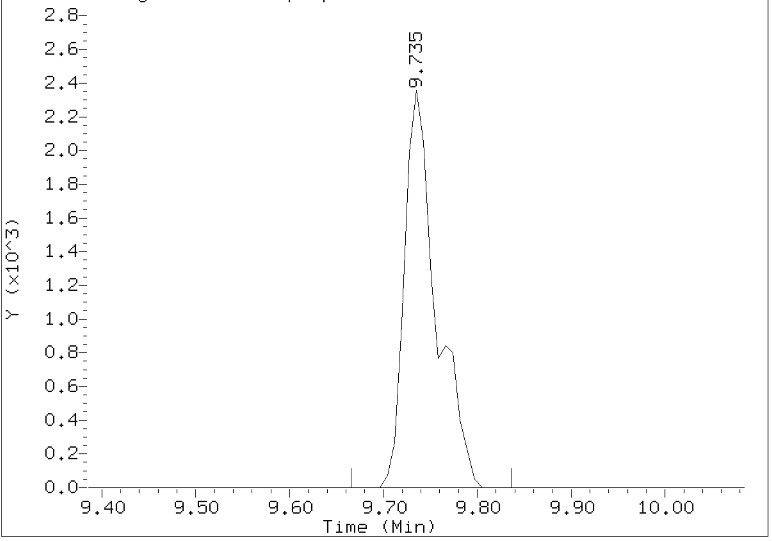
Datafile: //target/share/chem3/nt14.i/20221230C.b/NT1422123068.D
Injection Date: 01-JAN-2023 00:42
Lab ID:SKL0355-LCV4 Client ID:
Report Date: 01/04/2023 14:23

REVIEWED
By Brian Bebee
01/07/2023 @ 06:32 PM

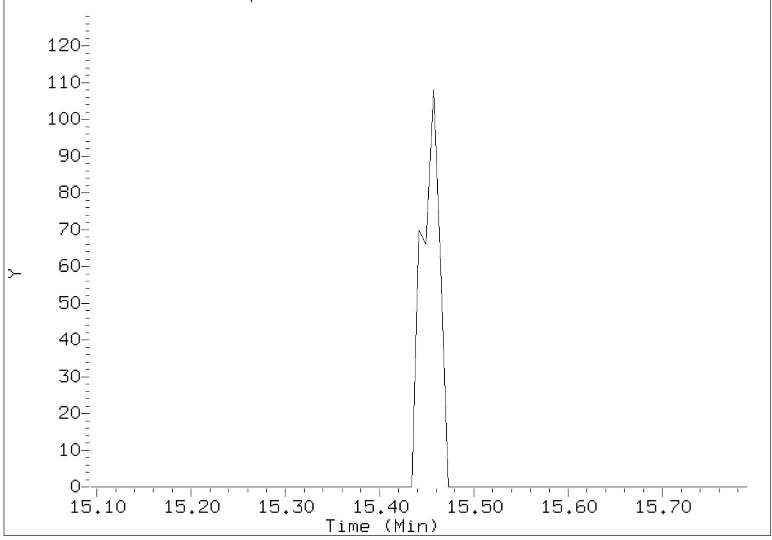
2,2'-oxybis(1-Chloropropane), Mass 121 (Before) Area 4533



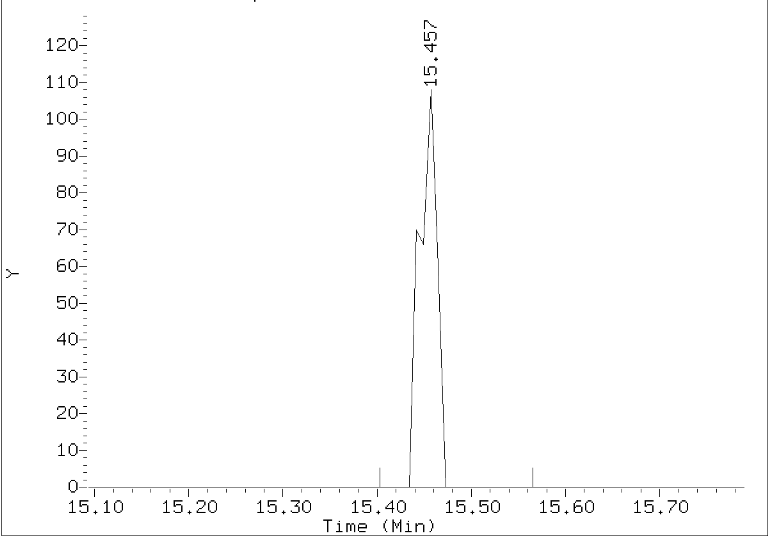
2,2'-oxybis(1-Chloropropane), Mass 121 (Manual) Area 5608



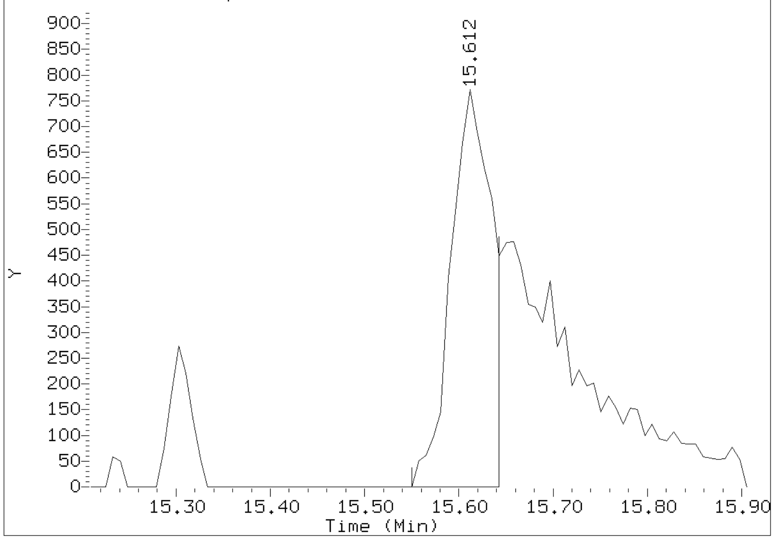
2,4-Dinitrophenol, Mass 184 (Before) Not Found



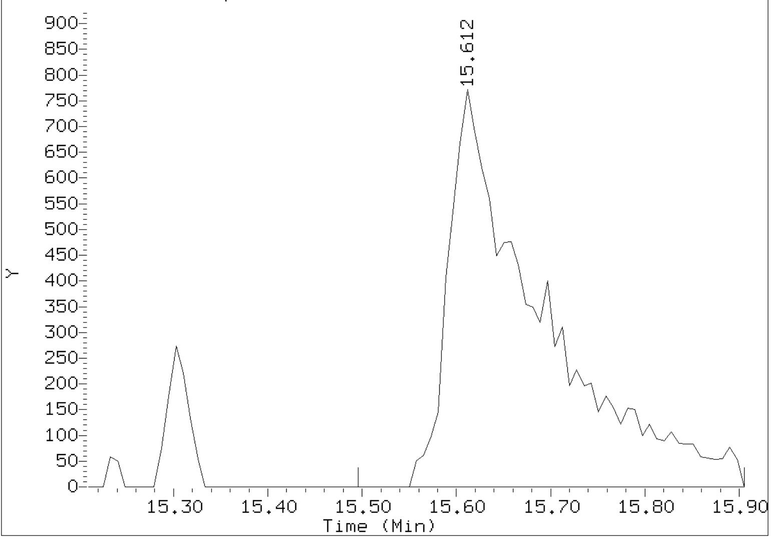
2,4-Dinitrophenol, Mass 184 (Manual) Area 140



4-Nitrophenol, Mass 109 (Before) Area 2345



4-Nitrophenol, Mass 109 (Manual) Area 5233



CONTINUING CALIBRATION CHECK

EPA 8270E

Laboratory: Analytical Resources, LLC
Client: Anchor QEA, LLC
Instrument ID: NT14
Lab File ID: NT1423010634.D
Sequence: SLA0068
Lab Sample ID: SLA0068-CCV1
Sequence Name: ABN 5

SDG: 22L0307
Project: AOC4 UR Phase 3
Calibration: FL00066
Calibration Date: 12/30/2022
Injection Date: 01/07/23
Injection Time: 07:27

COMPOUND	TYPE	CONC. (ug/mL)		RESPONSE FACTOR (RRF)			% DRIFT/DIFF	
		STD	CCV	ICAL	CCV	MIN	CCV	LIMIT
Phenol	A	5.0000	5.2	1.7995200	1.8638790		3.6	+/-50
bis(2-chloroethyl) ether	A	5.0000	5.4	1.2396270	1.3331310		7.5	+/-50
2-Chlorophenol	A	5.0000	5.2	1.4607190	1.5105490		3.4	+/-50
1,3-Dichlorobenzene	A	5.0000	5.1	1.5489360	1.5933770		2.9	+/-50
1,4-Dichlorobenzene	A	5.0000	5.7	1.4674070	1.6720800		13.9	+/-50
1,2-Dichlorobenzene	A	5.0000	5.2	1.4391100	1.4980910		4.1	+/-50
Benzyl Alcohol	A	5.0000	3.7	0.8011083	0.5993907		-25.2	+/-50
2,2'-Oxybis(1-chloropropane)	A	5.0000	5.6	0.4172325	0.4695971		12.6	+/-50
2-Methylphenol	A	5.0000	6.0	1.3076140	1.5642290		19.6	+/-50
Hexachloroethane	A	5.0000	5.7	0.5396966	0.6099116		13.0	+/-50
N-Nitroso-di-n-Propylamine	A	5.0000	6.3	0.7965591	1.0108500		26.9	+/-50
4-Methylphenol	A	5.0000	5.3	1.3794240	1.4628040		6.0	+/-50
Nitrobenzene	A	5.0000	6.0	0.3354574	0.4022332		19.9	+/-50
Isophorone	A	5.0000	6.8	0.4275424	0.5849027		36.8	+/-50
2-Nitrophenol	A	5.0000	5.4	0.2064997	0.2320422		8.0	+/-50
2,4-Dimethylphenol	A	10.000	11.6	0.3501131	0.4047842		15.6	+/-50
Bis(2-Chloroethoxy)methane	A	5.0000	5.5	0.3325989	0.3634707		9.3	+/-50
2,4-Dichlorophenol	A	10.000	10.8	0.2951237	0.3188752		8.0	+/-50
1,2,4-Trichlorobenzene	A	5.0000	5.8	0.3191088	0.3705857		16.1	+/-50
Naphthalene	A	5.0000	5.2	0.9843833	1.0242110		4.0	+/-50
Benzoic acid	A	20.000	13.4	0.1508906	0.1468551		-33.1	+/-50
4-Chloroaniline	A	10.000	10.2	0.4059568	0.4158640		2.4	+/-50
Hexachlorobutadiene	A	5.0000	6.3	0.1583286	0.1981202		25.1	+/-50
4-Chloro-3-Methylphenol	A	10.000	11.7	0.2785027	0.3262688		17.2	+/-50
2-Methylnaphthalene	A	5.0000	5.2	0.7220739	0.7522945		4.2	+/-50
Hexachlorocyclopentadiene	A	10.000	4.9	0.3023695	0.1467520		-51.5	+/-50 *
2,4,6-Trichlorophenol	A	10.000	11.2	0.3338641	0.3732066		11.8	+/-50
2,4,5-Trichlorophenol	A	10.000	10.7	0.3853234	0.4105909		6.6	+/-50
2-Chloronaphthalene	A	5.0000	5.5	1.1441150	1.2565060		9.8	+/-50
2-Nitroaniline	A	10.000	14.6	0.3007956	0.4394702		46.1	+/-50
Acenaphthylene	A	5.0000	6.0	1.7445240	2.1084100		20.9	+/-50
Dimethylphthalate	A	5.0000	5.8	1.1280520	1.3126140		16.4	+/-50
2,6-Dinitrotoluene	A	10.000	12.2	0.2545771	0.3100138		21.8	+/-50

* Values outside of QC limits

CONTINUING CALIBRATION CHECK

EPA 8270E

Laboratory:	Analytical Resources, LLC	SDG:	22L0307
Client:	Anchor QEA, LLC	Project:	AOC4 UR Phase 3
Instrument ID:	NT14	Calibration:	FL00066
Lab File ID:	NT1423010634.D	Calibration Date:	12/30/2022
Sequence:	SLA0068	Injection Date:	01/07/23
Lab Sample ID:	SLA0068-CCV1	Injection Time:	07:27
Sequence Name:	ABN 5		

COMPOUND	TYPE	CONC. (ug/mL)		RESPONSE FACTOR (RRF)			% DRIFT/DIFF	
		STD	CCV	ICAL	CCV	MIN	CCV	LIMIT
Acenaphthene	A	5.0000	5.7	1.0820160	1.2278830		13.5	+/-50
3-Nitroaniline	A	10.000	10.7	0.3094189	0.3305220		6.8	+/-50
2,4-Dinitrophenol	A	20.000	12.2	0.1831718	0.1360065		-38.8	+/-50
Dibenzofuran	A	5.0000	5.3	1.6225950	1.7150400		5.7	+/-50
4-Nitrophenol	A	10.000	11.3	0.1384031	0.1724936		13.5	+/-50
2,4-Dinitrotoluene	A	10.000	11.9	0.3492859	0.4157278		19.0	+/-50
Fluorene	A	5.0000	5.3	1.7261350	1.8256450		5.8	+/-50
4-Chlorophenylphenyl ether	A	5.0000	4.8	0.8450792	0.8117353		-3.9	+/-50
Diethyl phthalate	A	5.0000	6.3	1.5332690	1.9278870		25.7	+/-50
4-Nitroaniline	A	10.000	10.3	0.3413732	0.3917195		2.7	+/-50
4,6-Dinitro-2-methylphenol	A	20.000	17.1	0.1530278	0.1487584		-14.7	+/-50
N-Nitrosodiphenylamine	A	5.0000	5.3	0.6863845	0.7242931		5.5	+/-50
4-Bromophenyl phenyl ether	A	5.0000	5.1	0.2599074	0.2641542		1.6	+/-50
Hexachlorobenzene	A	5.0000	5.0	0.2852204	0.2876489		0.9	+/-50
Pentachlorophenol	A	10.000	4.0	0.1128364	0.0506231		-59.8	+/-50 *
Phenanthrene	A	5.0000	5.3	1.0429190	1.1125640		6.7	+/-50
Anthracene	A	5.0000	5.7	0.9956202	1.1381370		14.3	+/-50
Carbazole	A	5.0000	5.5	0.9624945	1.0586280		10.0	+/-50
Di-n-Butylphthalate	A	5.0000	6.2	1.0394700	1.4189960		24.0	+/-50
Fluoranthene	A	5.0000	5.9	1.2879410	1.5289360		18.7	+/-50
Pyrene	A	5.0000	5.8	1.3541610	1.5764820		16.4	+/-50
Butylbenzylphthalate	A	5.0000	7.2	0.4650792	0.7562293		44.2	+/-50
Benzo(a)anthracene	A	5.0000	5.7	1.2117210	1.3904860		14.8	+/-50
3,3'-Dichlorobenzidine	A	15.000	18.8	0.3709370	0.4650269		25.4	+/-50
Chrysene	A	5.0000	6.0	1.1445730	1.3839570		20.9	+/-50
bis(2-Ethylhexyl)phthalate	A	5.0000	6.6	0.4442323	0.5826583		31.2	+/-50
Di-n-Octylphthalate	A	5.0000	5.3	0.9601702	1.0146080		5.7	+/-50
Benzofluoranthenes, Total	A	10.000	10.8	1.2153330	1.3066660		7.5	+/-50
Benzo(a)pyrene	A	5.0000	5.8	1.0450150	1.2083140		15.6	+/-50
Indeno(1,2,3-cd)pyrene	A	5.0000	5.2	1.1879490	1.2302870		3.6	+/-50
Dibenzo(a,h)anthracene	A	5.0000	5.2	1.0094890	1.0485160		3.9	+/-50
Benzo(g,h,i)perylene	A	5.0000	4.5	0.9951726	0.8937489		-10.2	+/-50
1-Methylnaphthalene	A	5.0000	5.3	0.6937882	0.7356814		6.0	+/-50
2-Fluorophenol	A	7.5000	8.16	1.2814900	1.3943950		8.8	+/-50

* Values outside of QC limits

CONTINUING CALIBRATION CHECK

EPA 8270E

Laboratory:	Analytical Resources, LLC	SDG:	22L0307
Client:	Anchor QEA, LLC	Project:	AOC4 UR Phase 3
Instrument ID:	NT14	Calibration:	FL00066
Lab File ID:	NT1423010634.D	Calibration Date:	12/30/2022
Sequence:	SLA0068	Injection Date:	01/07/23
Lab Sample ID:	SLA0068-CCV1	Injection Time:	07:27
Sequence Name:	ABN 5		

		CONC. (ug/mL)		RESPONSE FACTOR (RRF)			% DRIFT/DIFF	
COMPOUND	TYPE	STD	CCV	ICAL	CCV	MIN	CCV	LIMIT
Phenol-d5	A	7.5000	8.22	1.5836890	1.7364190		9.6	+/-50
2-Chlorophenol-d4	A	7.5000	8.12	1.3300510	1.4401730		8.3	+/-50
1,2-Dichlorobenzene-d4	A	5.0000	5.24	0.9090592	0.9532651		4.9	+/-50
Nitrobenzene-d5	A	5.0000	6.19	0.3377760	0.4183979		23.9	+/-50
2-Fluorobiphenyl	A	5.0000	5.43	1.3448860	1.4609260		8.6	+/-50
2,4,6-Tribromophenol	A	7.5000	6.58	0.1844845	0.1703552		-12.2	+/-50
p-Terphenyl-d14	A	5.0000	5.72	0.9601842	1.0981980		14.4	+/-50

* Values outside of QC limits

* Values outside of QC limits

Data File: \\target\share\chem3\nt14.i\20230106.b\NT1423010634.D

Date : 07-JAN-2023 07:27

Client ID:

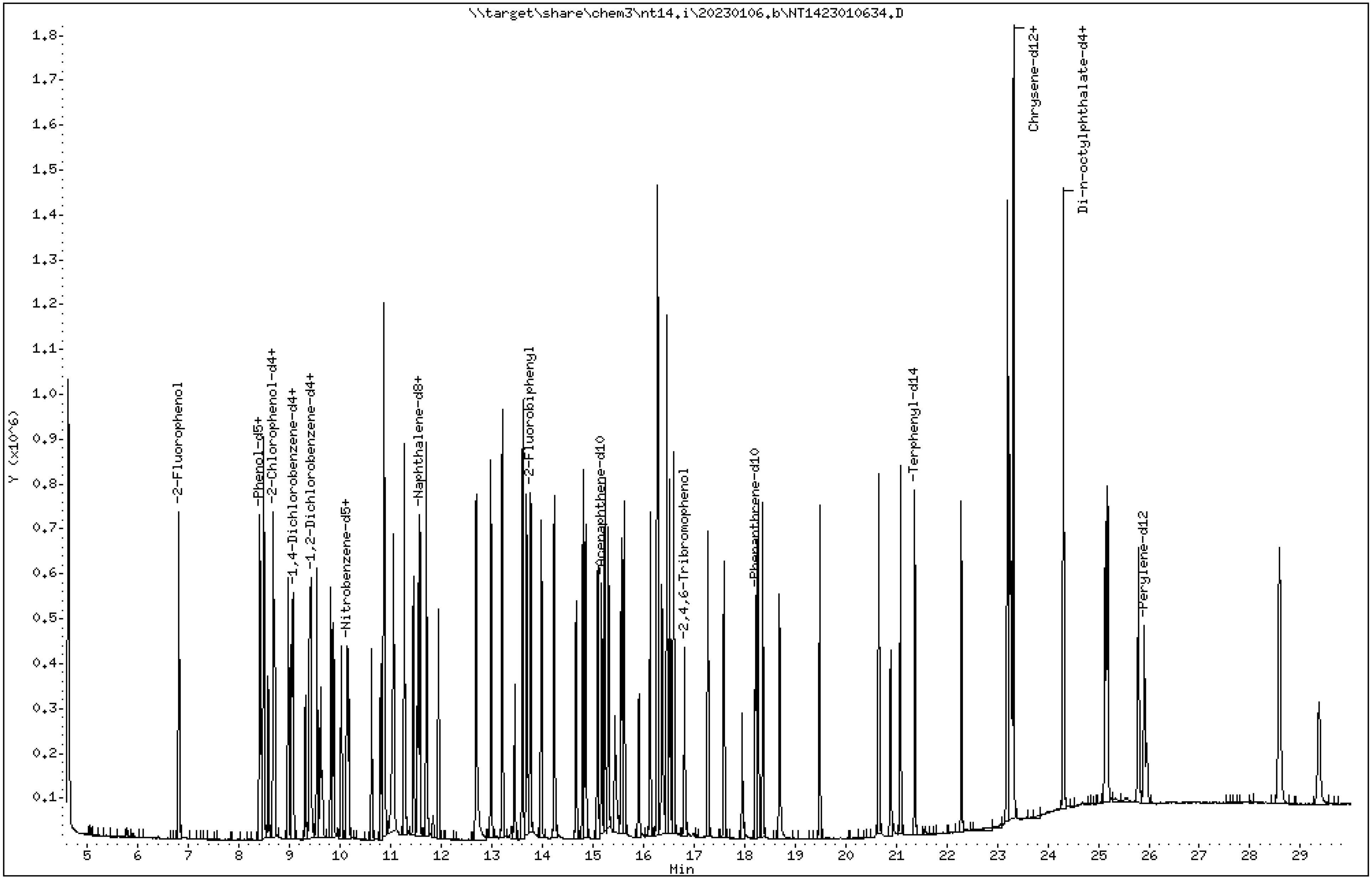
Instrument: nt14.i

Sample Info: SLA0068-CCV1

Operator: VTS

Column phase: ZB-5msi

Column diameter: 0.25



Data File: \\target\share\chem3\nt14.i\20230106.b\NT1423010634.D

Date : 07-JAN-2023 07:27

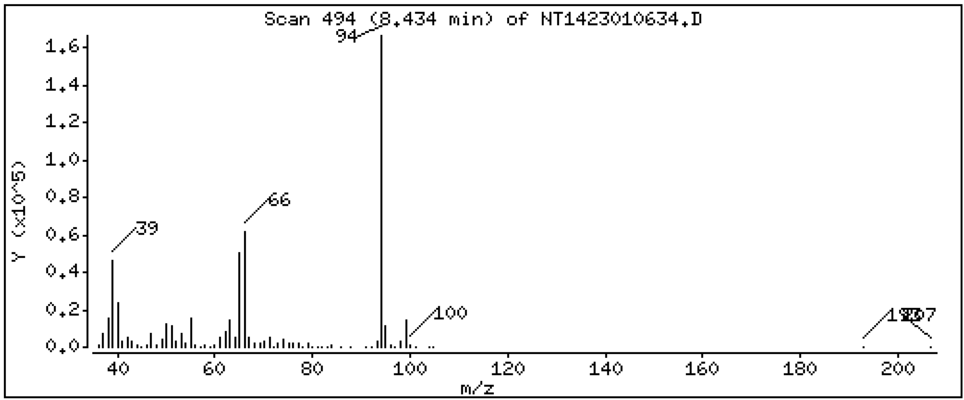
Client ID: Instrument: nt14.i

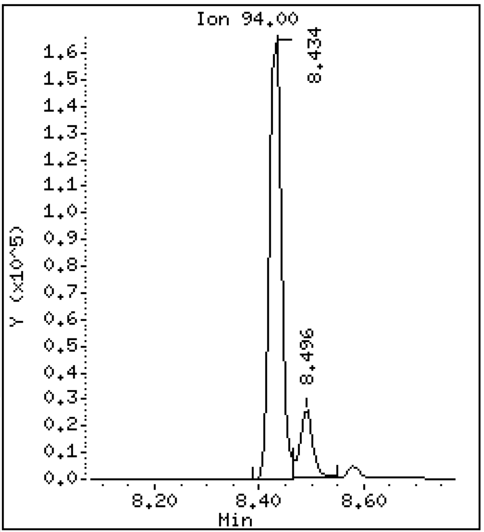
Sample Info: SLA0068-CCV1

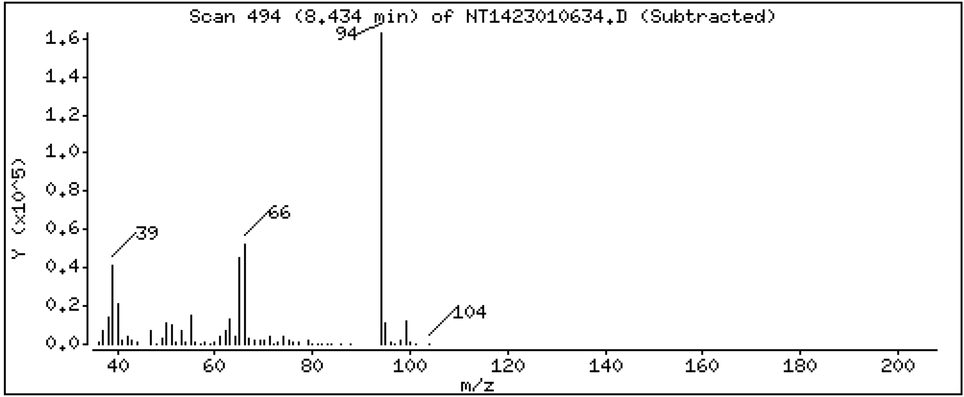
Operator: VTS

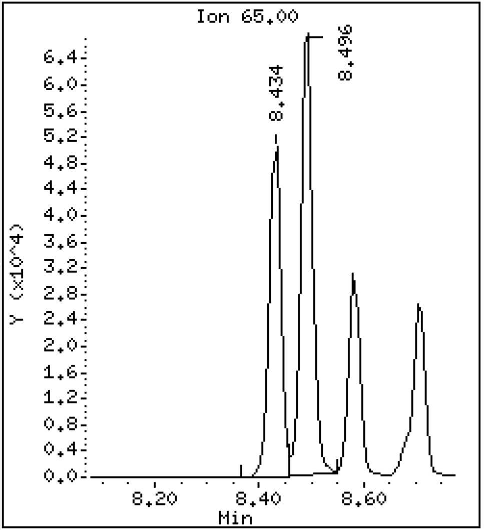
Column phase: ZB-5msi Column diameter: 0.25

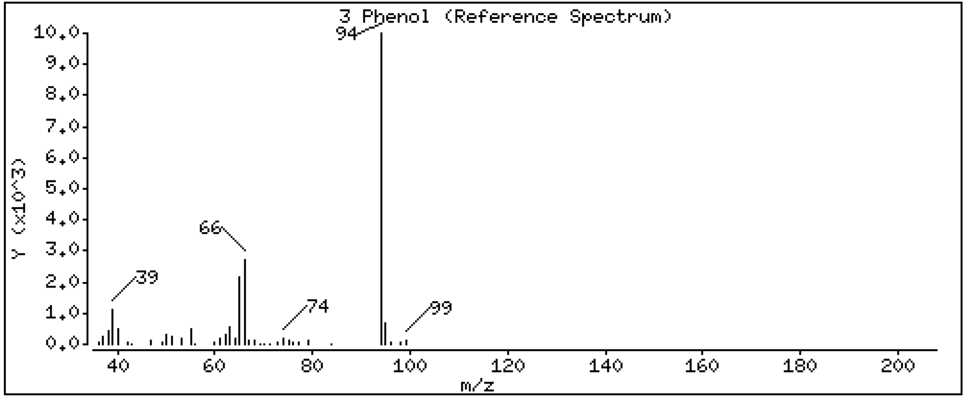
3 Phenol Concentration: 5.179 ug/mL

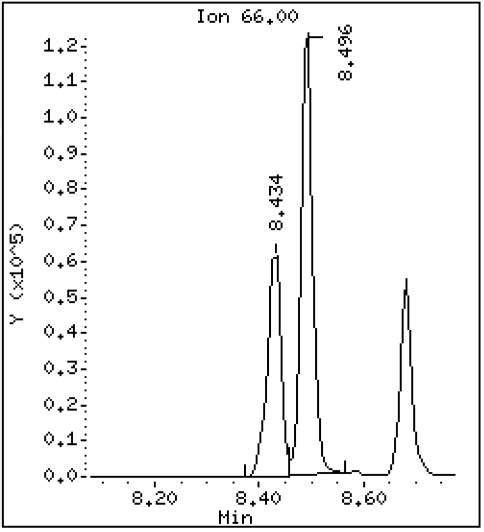


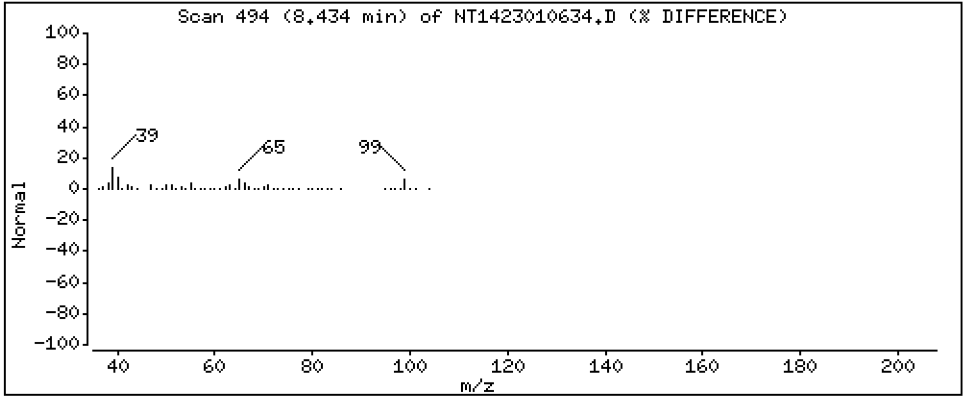












Data File: \\target\share\chem3\nt14.i\20230106.b\NT1423010634.D

Date : 07-JAN-2023 07:27

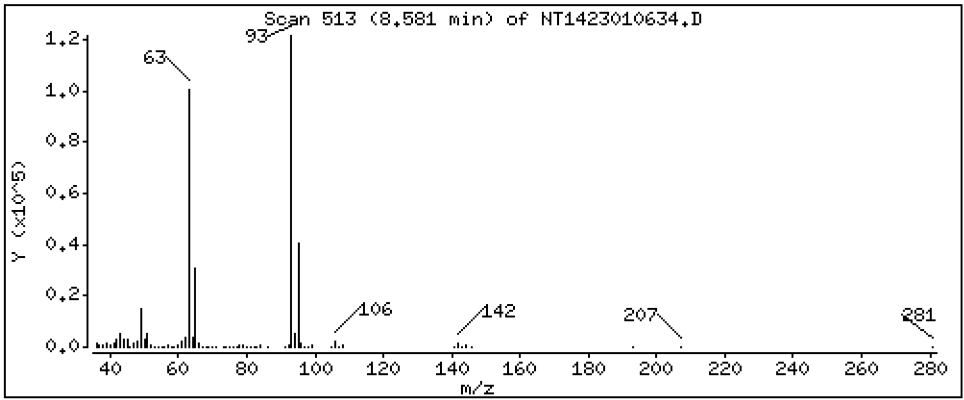
Client ID: Instrument: nt14.i

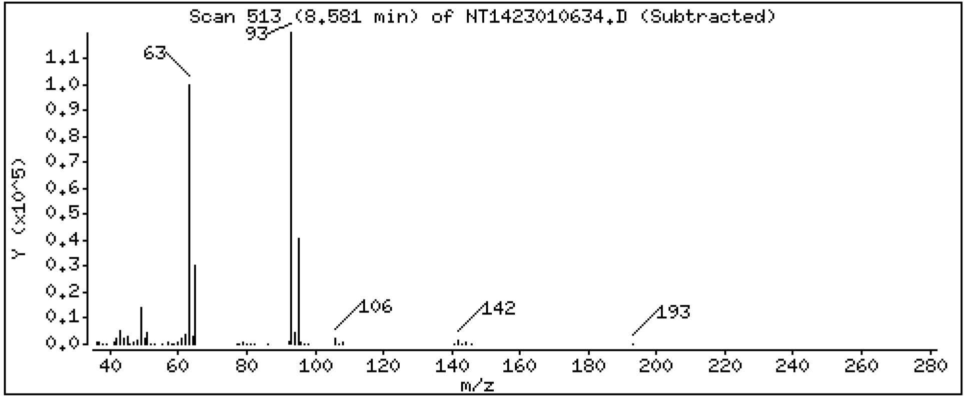
Sample Info: SLA0068-CCV1

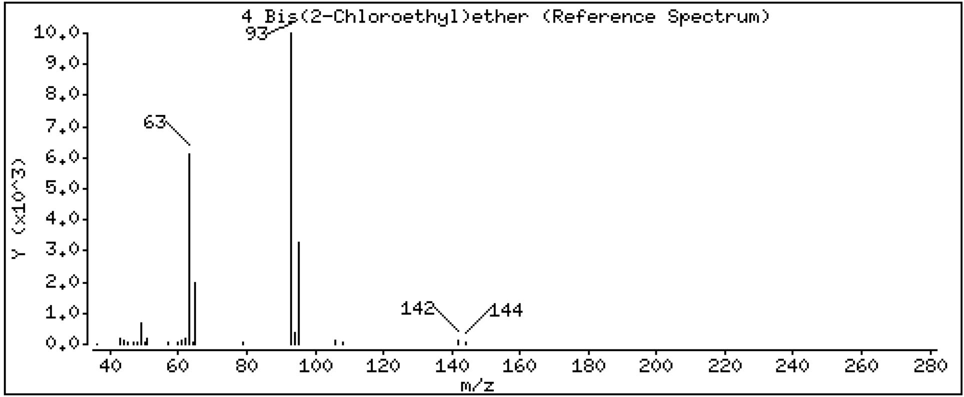
Operator: VTS

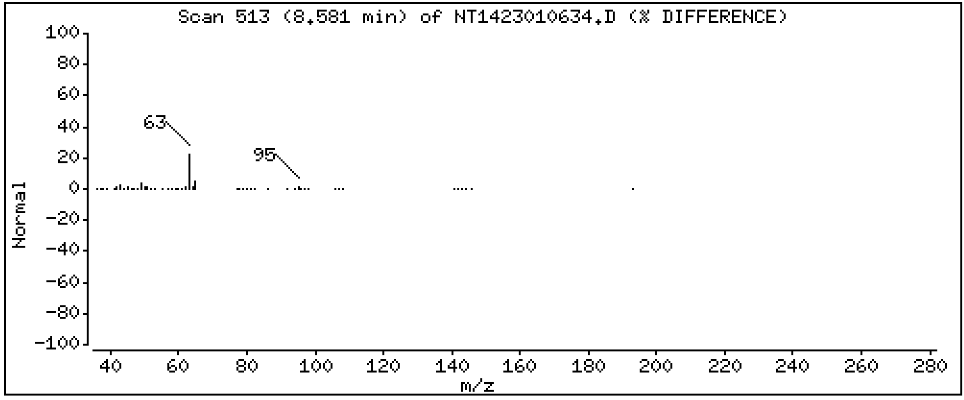
Column phase: ZB-5msi Column diameter: 0.25

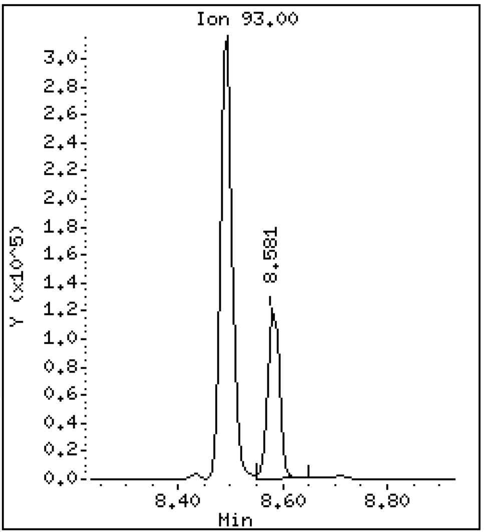
4 Bis(2-Chloroethyl)ether Concentration: 5.377 ug/mL

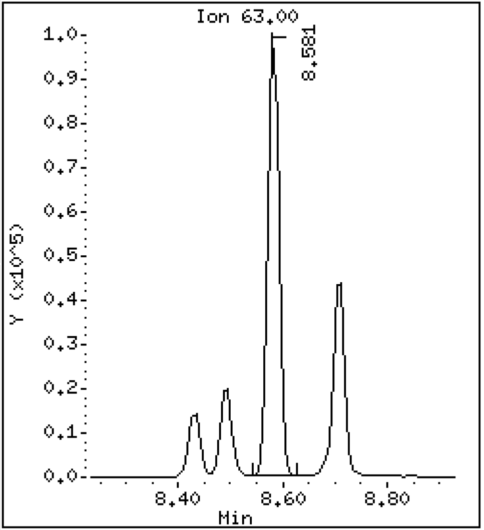


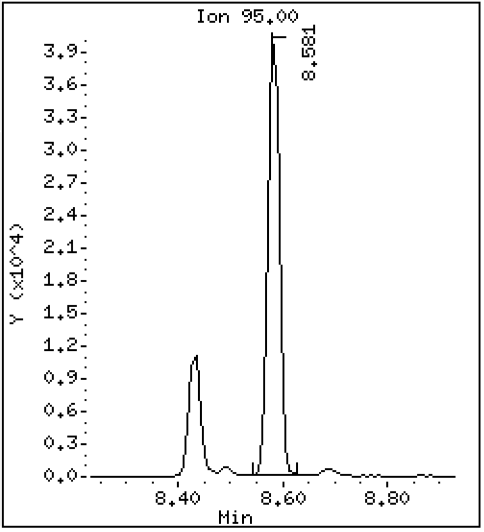












Data File: \\target\share\chem3\nt14.i\20230106.b\NT1423010634.D

Date : 07-JAN-2023 07:27

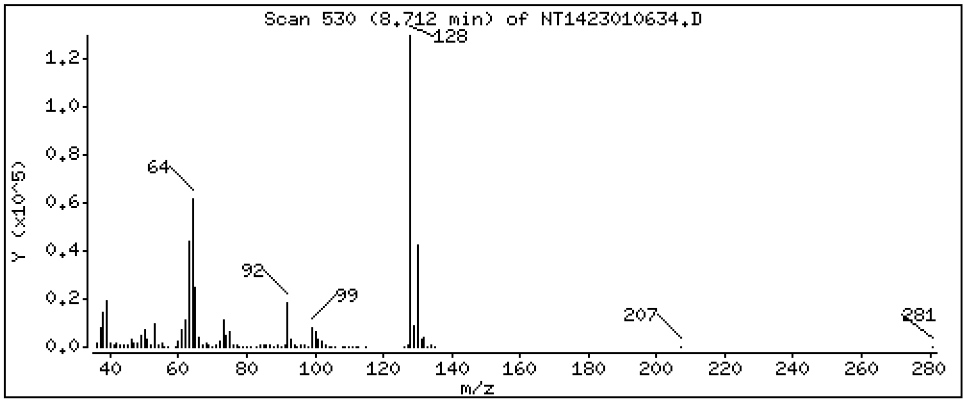
Client ID: Instrument: nt14.i

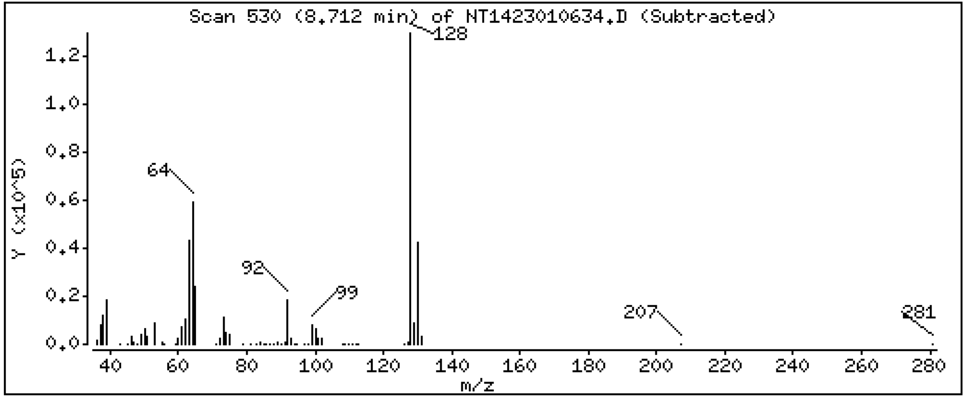
Sample Info: SLA0068-CCV1

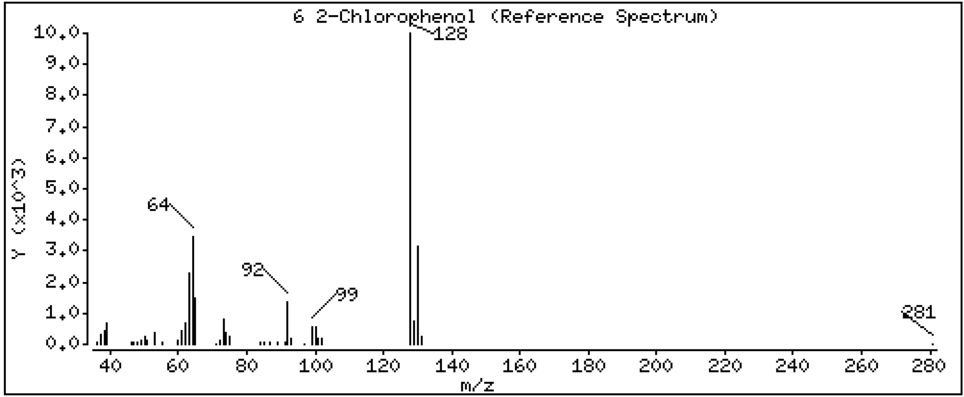
Operator: VTS

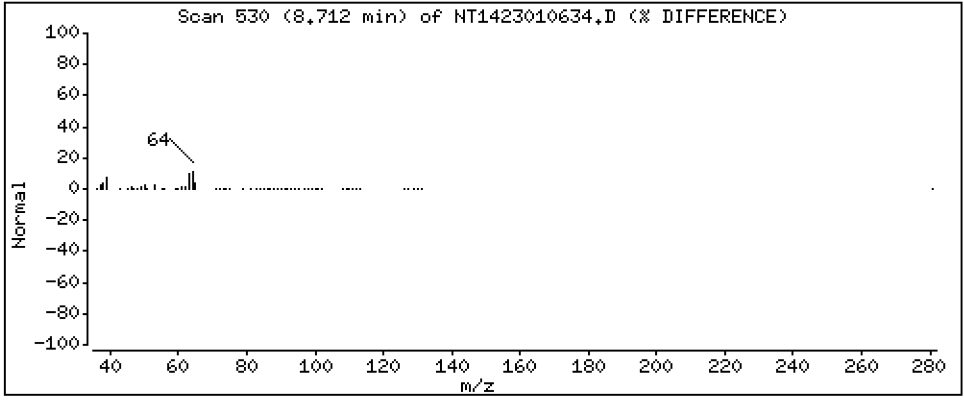
Column phase: ZB-5msi Column diameter: 0.25

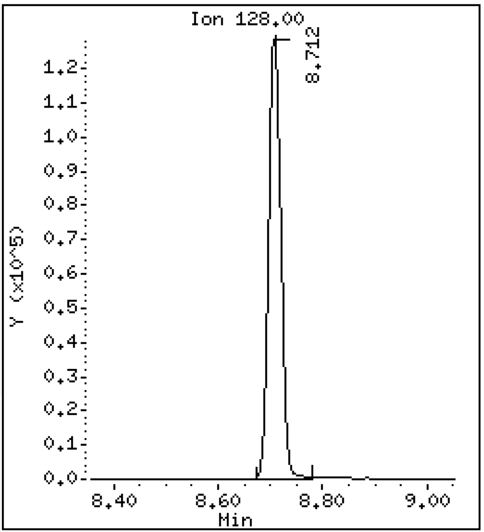
6 2-Chlorophenol Concentration: 5.171 ug/mL

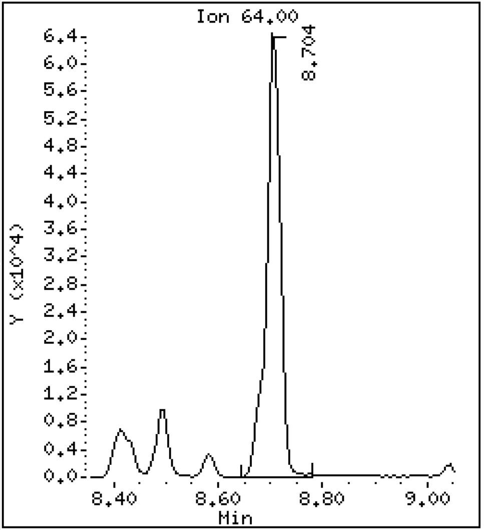

Scan 530 (8.712 min) of NT1423010634.D

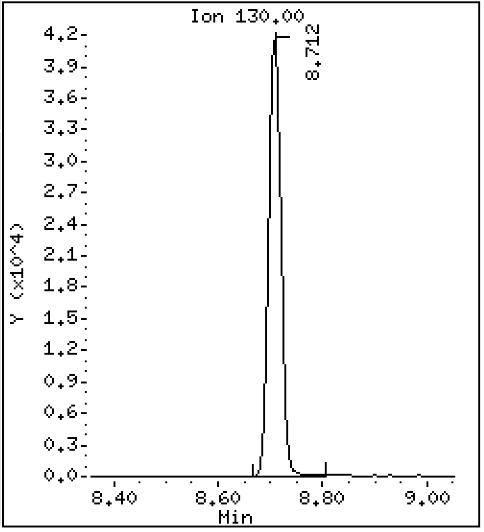

Scan 530 (8.712 min) of NT1423010634.D (Subtracted)


6 2-Chlorophenol (Reference Spectrum)


Scan 530 (8.712 min) of NT1423010634.D (% DIFFERENCE)


Ion 128.00


Ion 64.00


Ion 130.00

Date : 07-JAN-2023 07:27

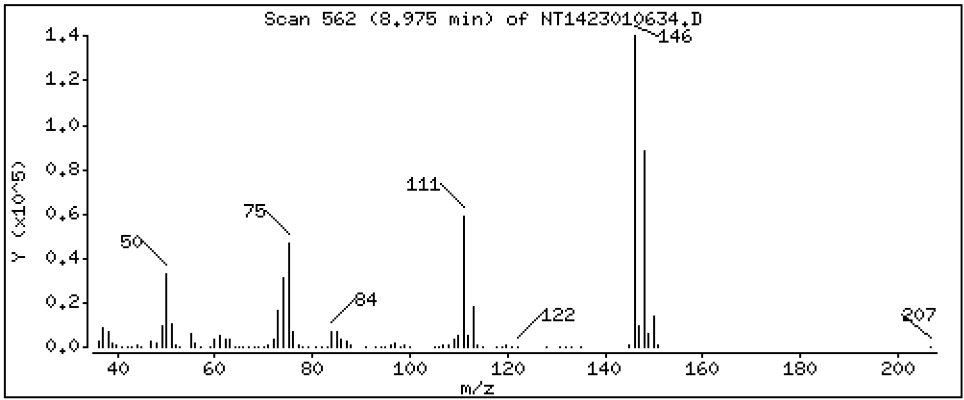
Client ID: Instrument: nt14.i

Sample Info: SLA0068-CCV1

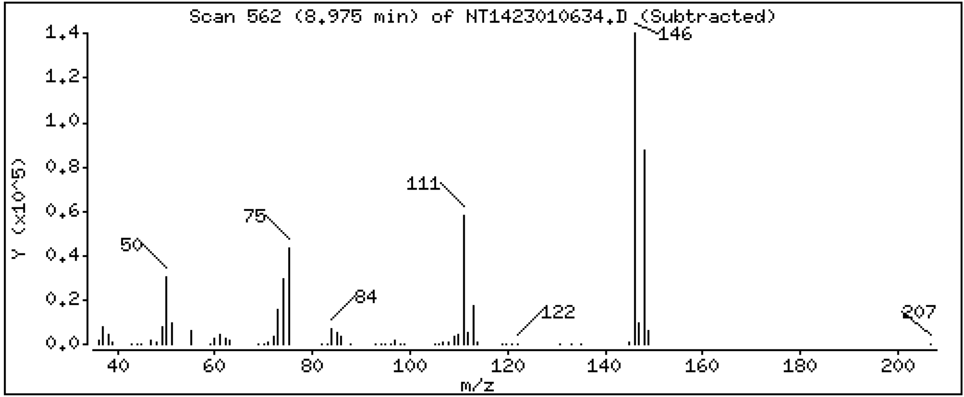
Operator: VTS

Column phase: ZB-5msi Column diameter: 0.25

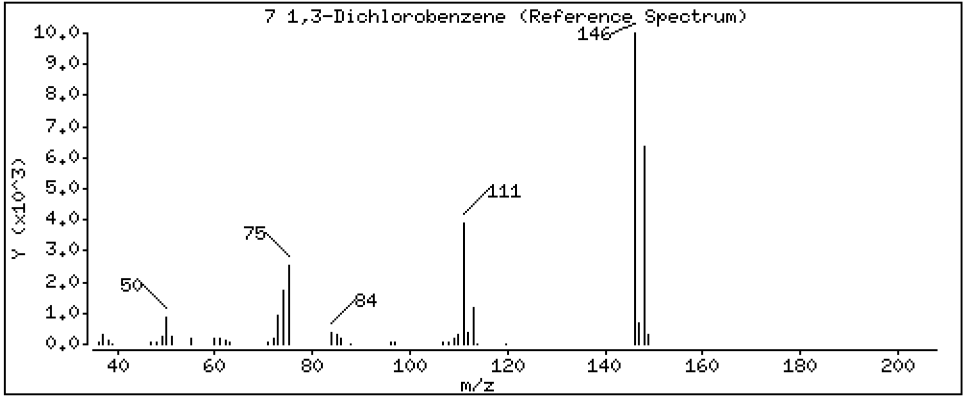
7 1,3-Dichlorobenzene Concentration: 5.143 ug/mL



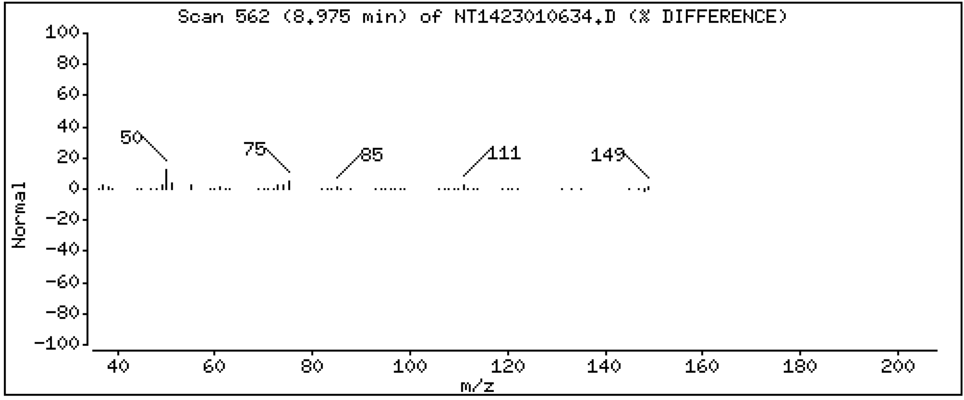
Scan 562 (8.975 min) of NT1423010634.D



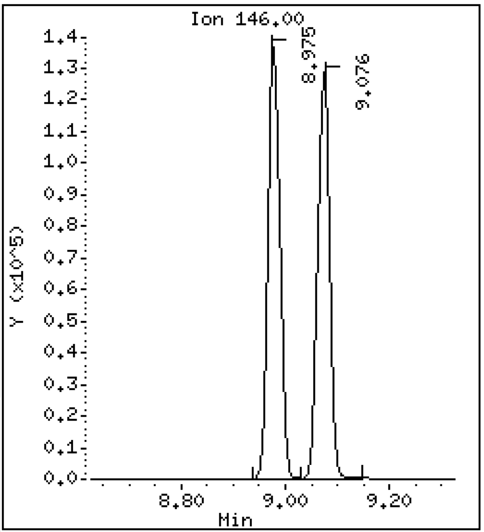
Scan 562 (8.975 min) of NT1423010634.D (Subtracted)



7 1,3-Dichlorobenzene (Reference Spectrum)



Scan 562 (8.975 min) of NT1423010634.D (% DIFFERENCE)



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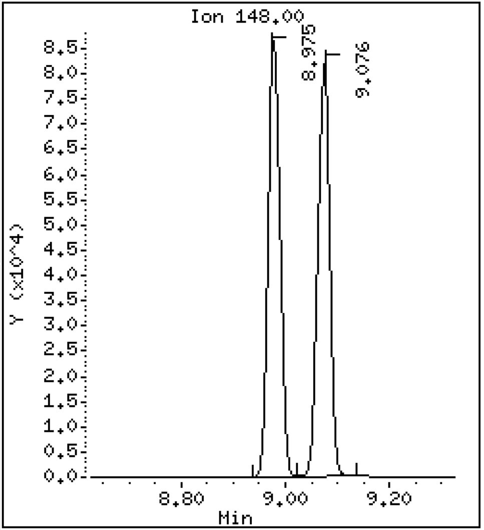

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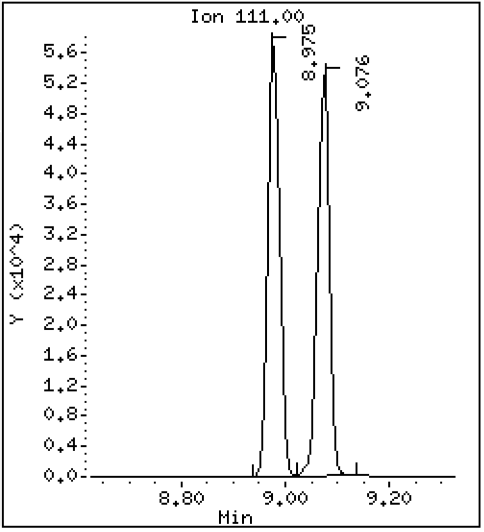


Ion 111.00

Data File: \\target\share\chem3\nt14.i\20230106.b\NT1423010634.D

Date : 07-JAN-2023 07:27

Client ID:

Instrument: nt14.i

Sample Info: SLA0068-CCV1

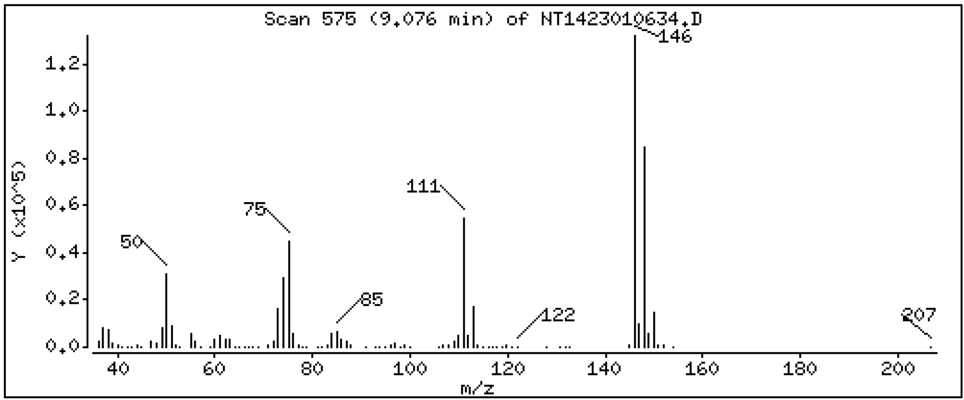
Operator: VTS

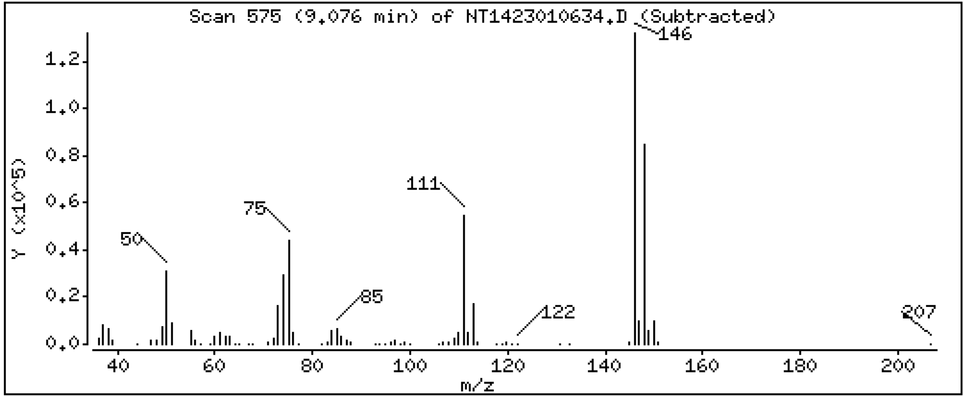
Column phase: ZB-5msi

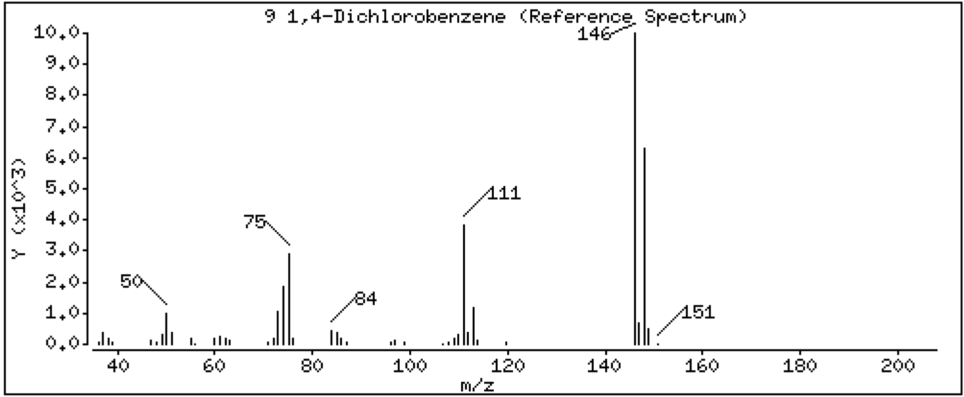
Column diameter: 0.25

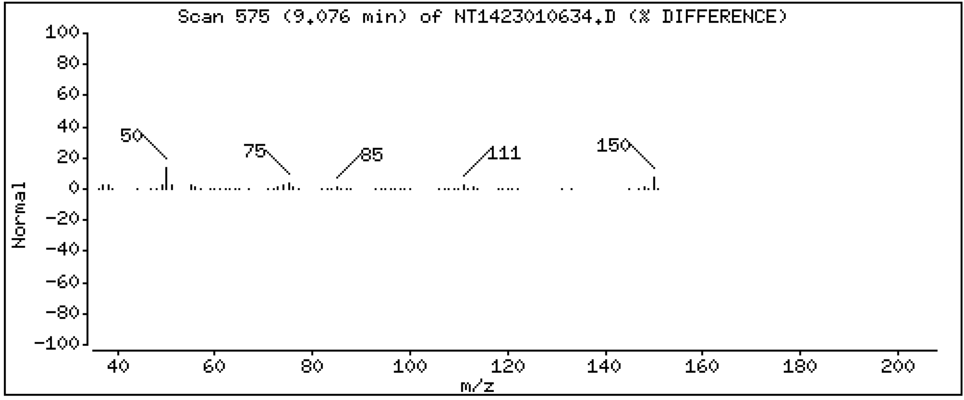
9 1,4-Dichlorobenzene

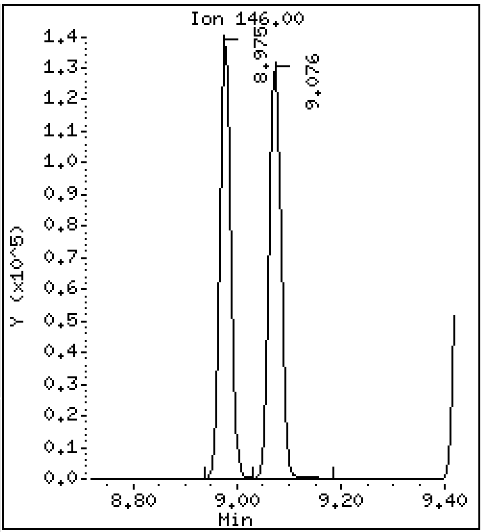
Concentration: 5.697 ug/mL


Scan 575 (9.076 min) of NT1423010634.D


Scan 575 (9.076 min) of NT1423010634.D (Subtracted)


9 1,4-Dichlorobenzene (Reference Spectrum)


Scan 575 (9.076 min) of NT1423010634.D (% DIFFERENCE)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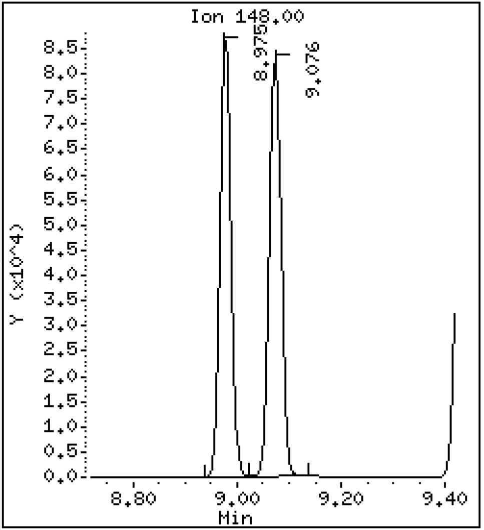
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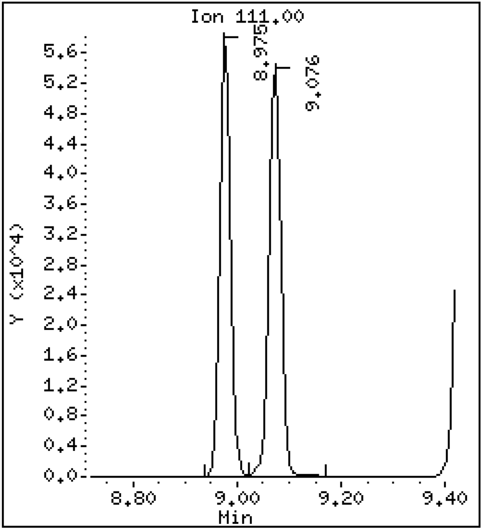
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Data File: \\target\share\chem3\nt14.i\20230106.b\NT1423010634.D

Date : 07-JAN-2023 07:27

Client ID:

Instrument: nt14.i

Sample Info: SLA0068-CCV1

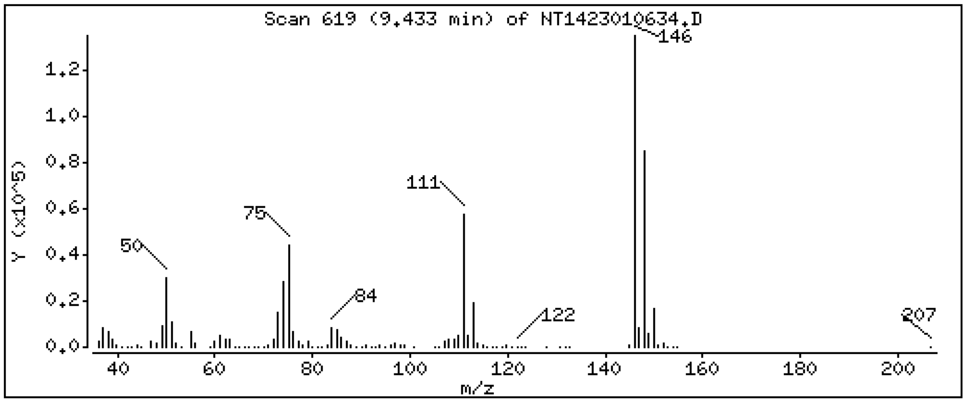
Operator: VTS

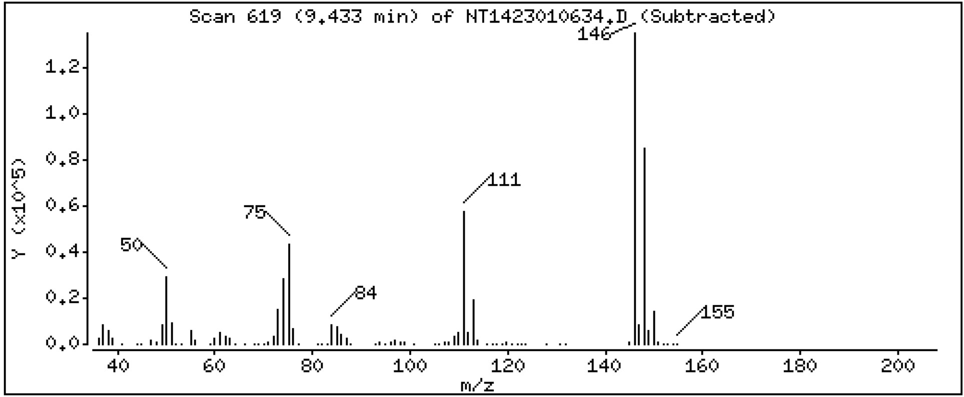
Column phase: ZB-5msi

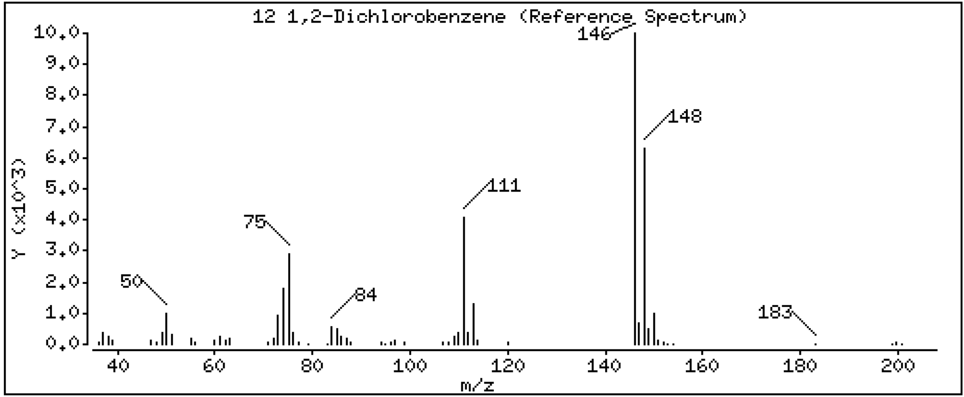
Column diameter: 0.25

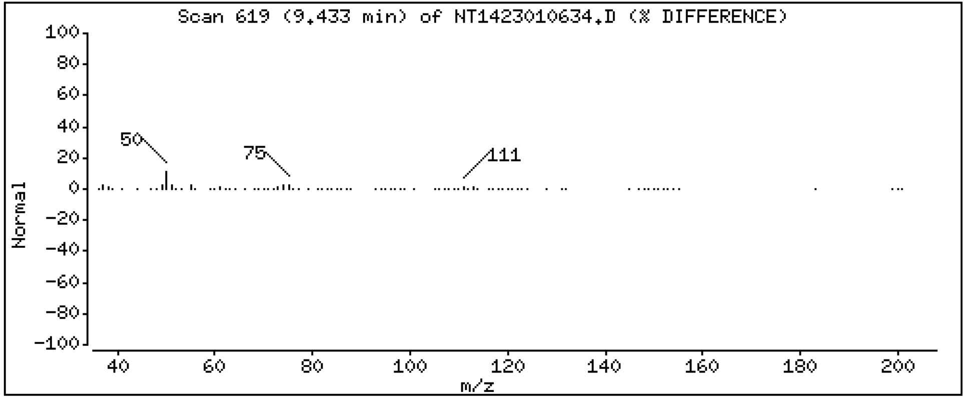
12 1,2-Dichlorobenzene

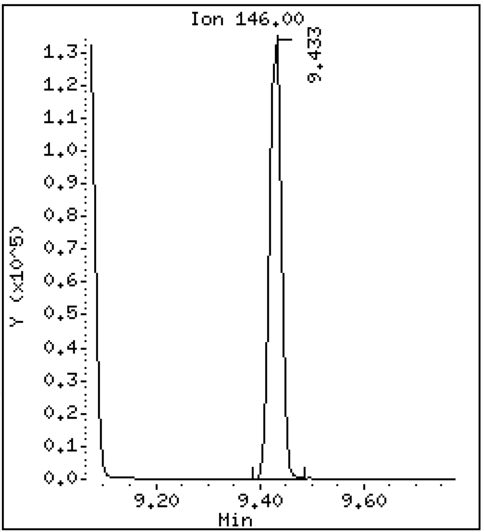
Concentration: 5.205 ug/mL

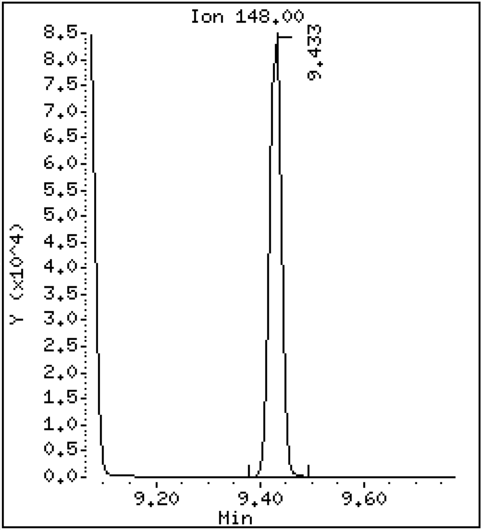


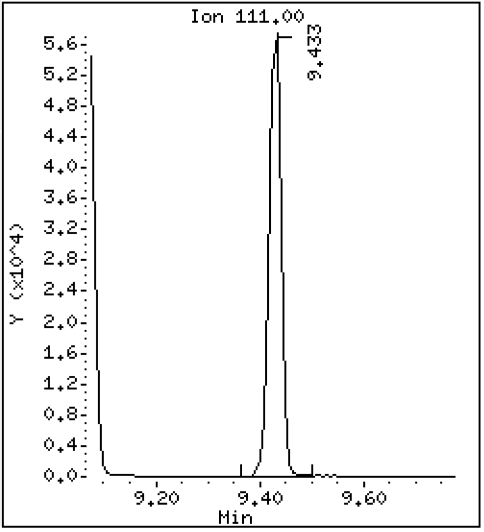












Data File: \\target\share\chem3\nt14.i\20230106.b\NT1423010634.D

Date : 07-JAN-2023 07:27

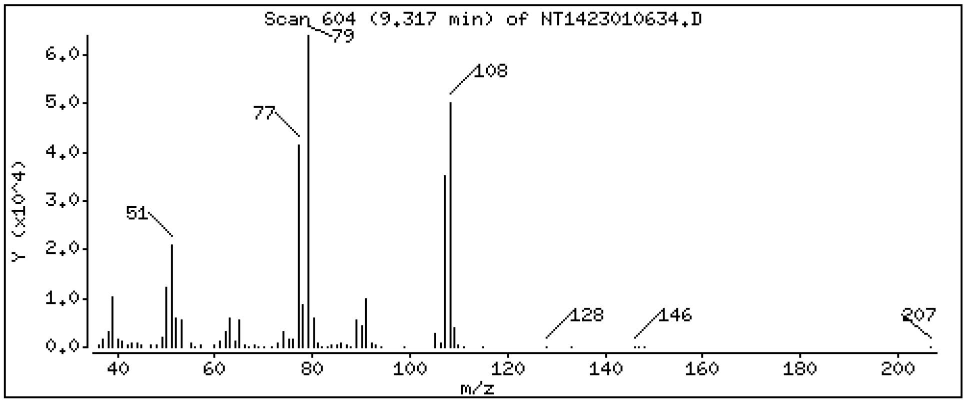
Client ID: Instrument: nt14.i

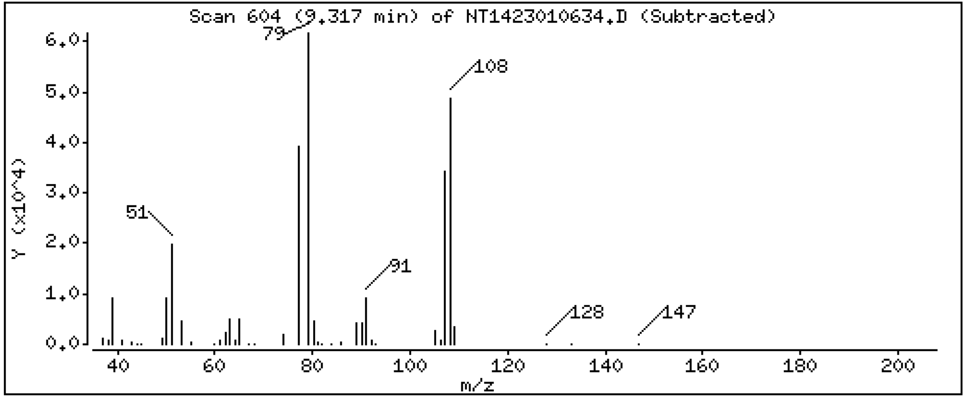
Sample Info: SLA0068-CCV1

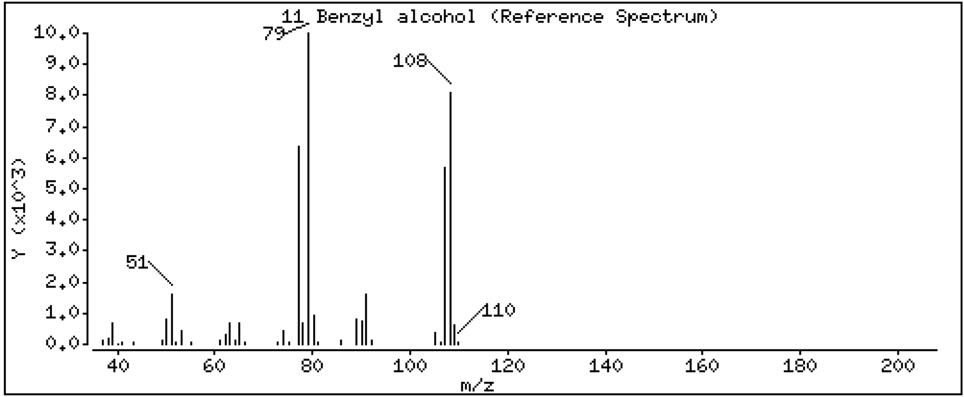
Operator: VTS

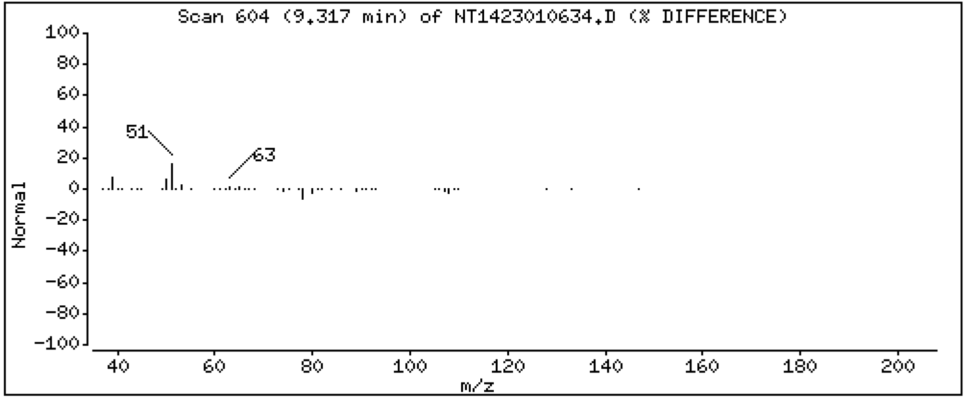
Column phase: ZB-5msi Column diameter: 0.25

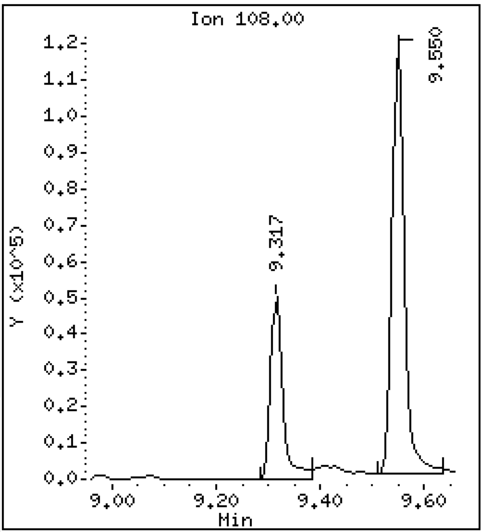
11 Benzyl alcohol Concentration: 3.741 ug/mL

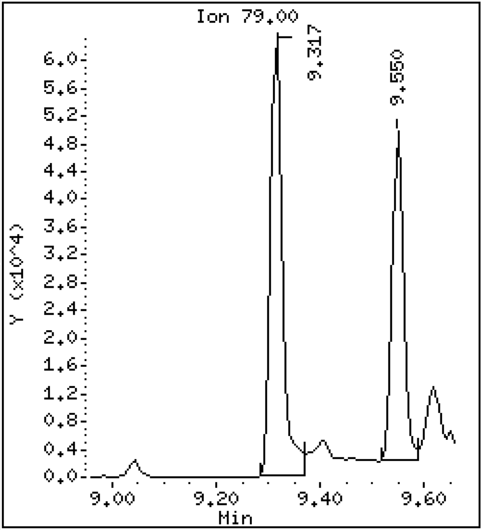


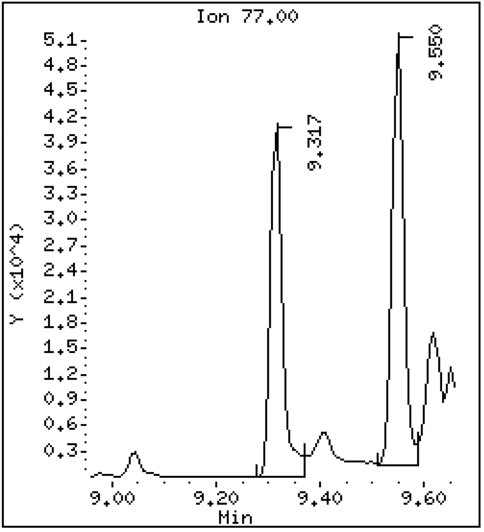












Data File: \\target\share\chem3\nt14.i\20230106.b\NT1423010634.D

Date : 07-JAN-2023 07:27

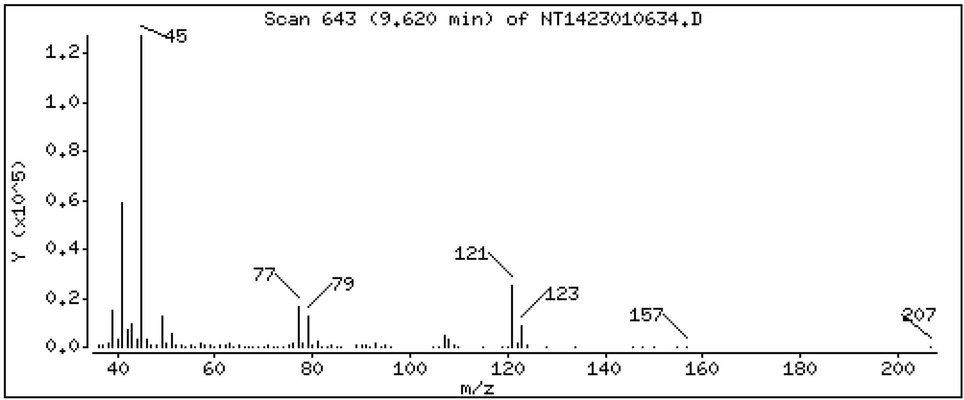
Client ID: Instrument: nt14.i

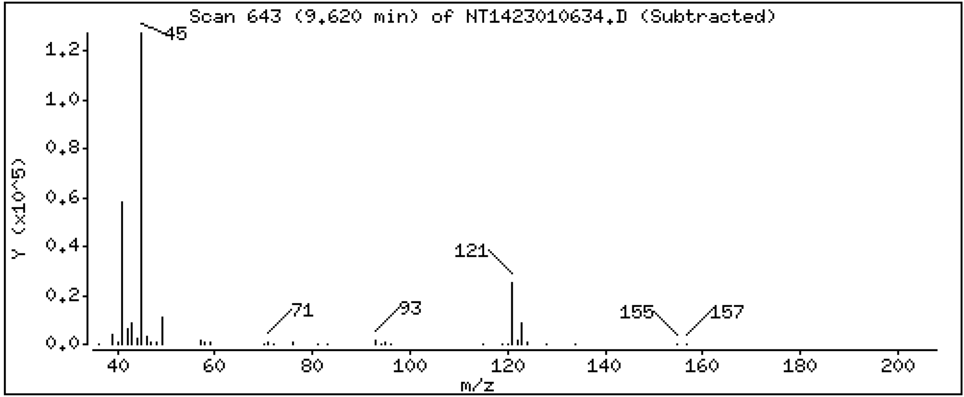
Sample Info: SLA0068-CCV1

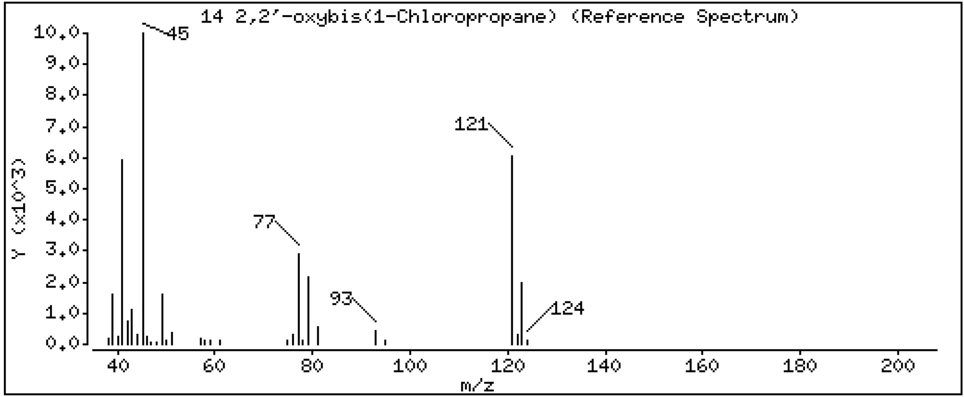
Operator: VTS

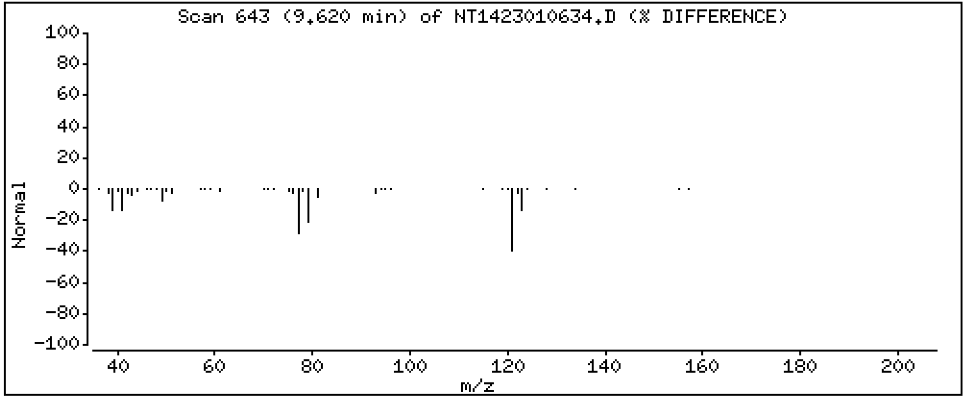
Column phase: ZB-5msi Column diameter: 0.25

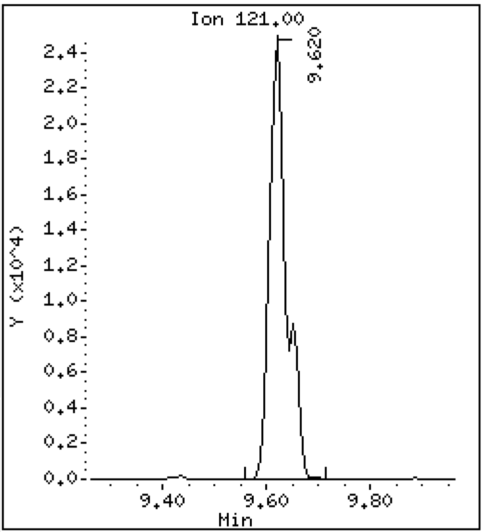
14 2,2'-oxybis(1-Chloropropane) Concentration: 5.628 ug/mL

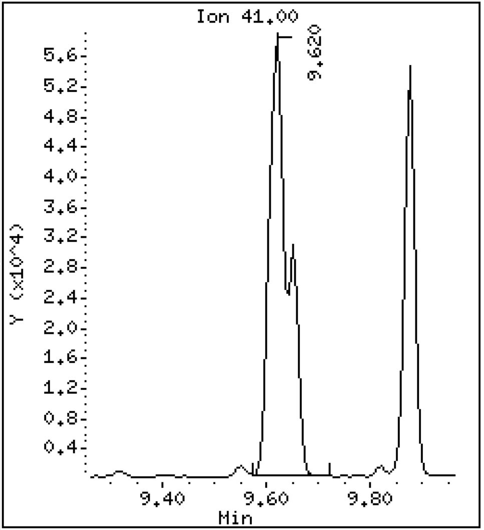

Scan 643 (9.620 min) of NT1423010634.D

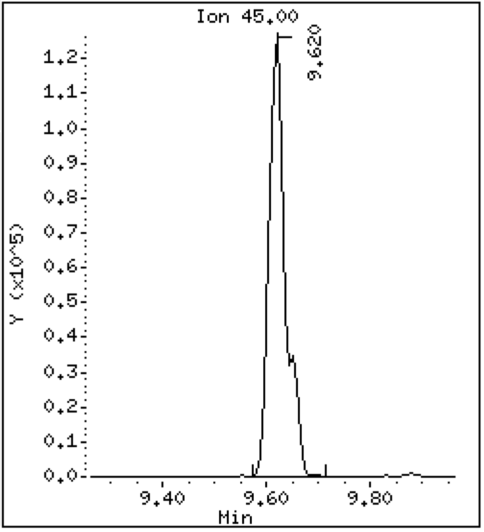

Scan 643 (9.620 min) of NT1423010634.D (Subtracted)


14 2,2'-oxybis(1-Chloropropane) (Reference Spectrum)


Scan 643 (9.620 min) of NT1423010634.D (% DIFFERENCE)


Ion 121.00


Ion 41.00


Ion 45.00

Data File: \\target\share\chem3\nt14.i\20230106.b\NT1423010634.D

Date : 07-JAN-2023 07:27

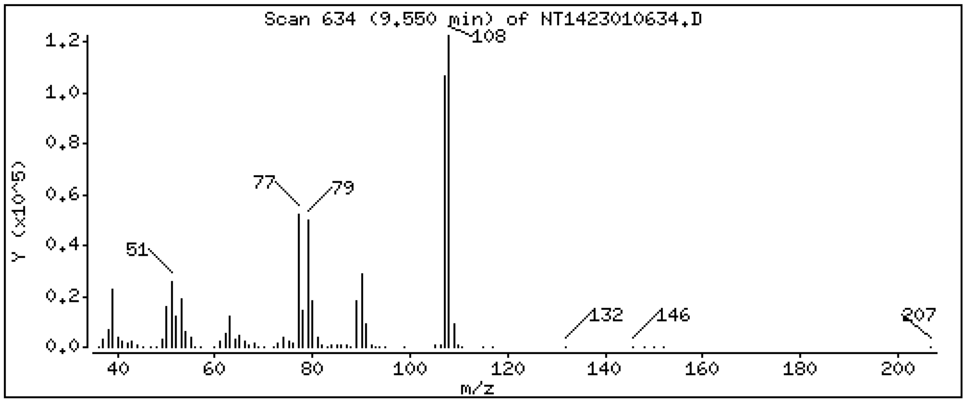
Client ID: Instrument: nt14.i

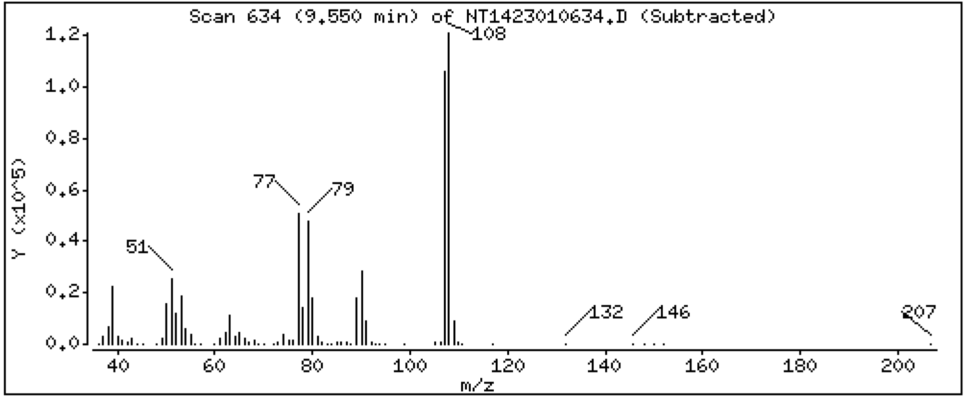
Sample Info: SLA0068-CCV1

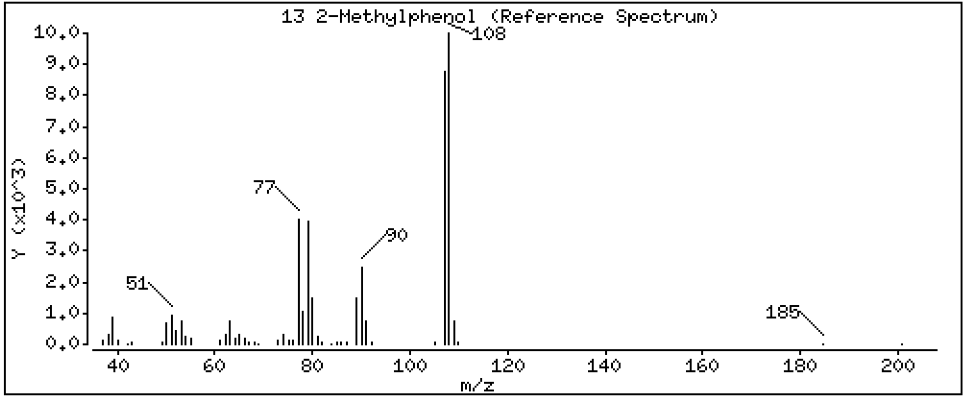
Operator: VTS

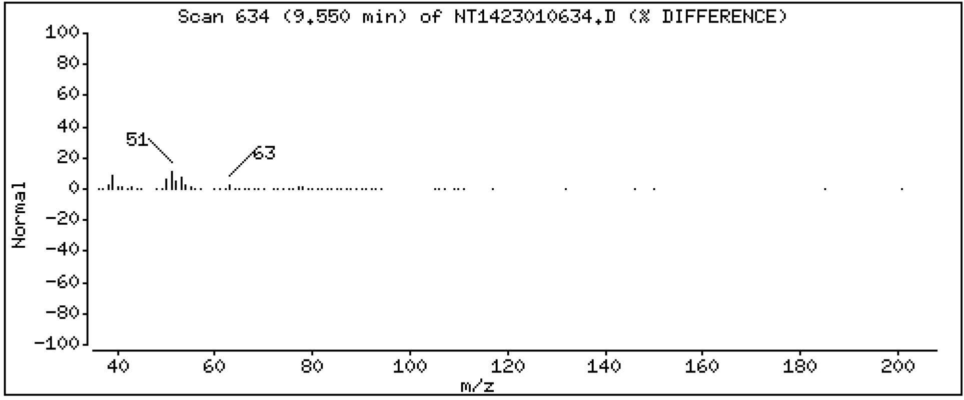
Column phase: ZB-5msi Column diameter: 0.25

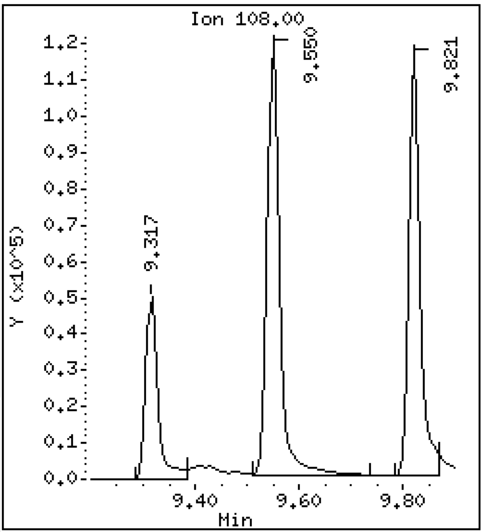
13 2-Methylphenol Concentration: 5.981 ug/mL

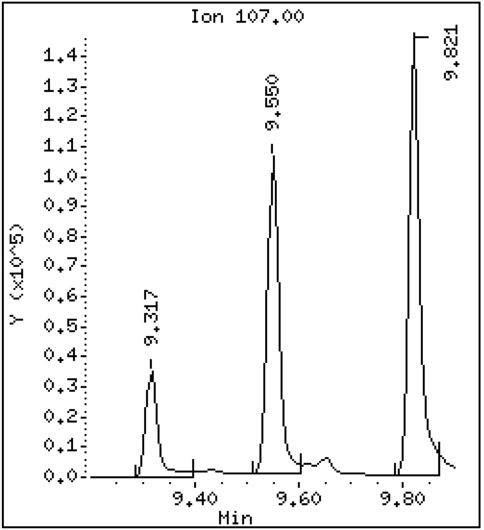

Scan 634 (9.550 min) of NT1423010634.D


Scan 634 (9.550 min) of NT1423010634.D (Subtracted)


13 2-Methylphenol (Reference Spectrum)


Scan 634 (9.550 min) of NT1423010634.D (% DIFFERENCE)


Ion 108.00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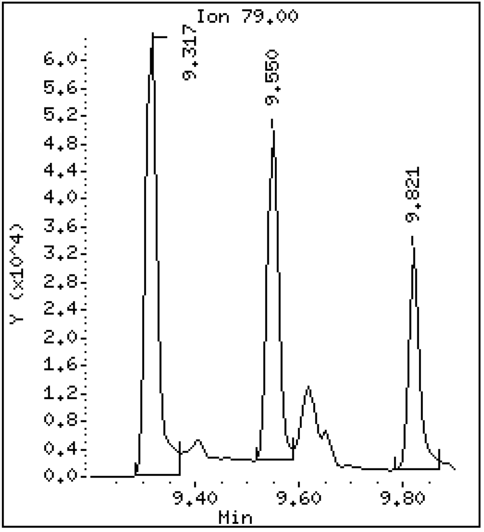

Ion 79.00

Date : 07-JAN-2023 07:27

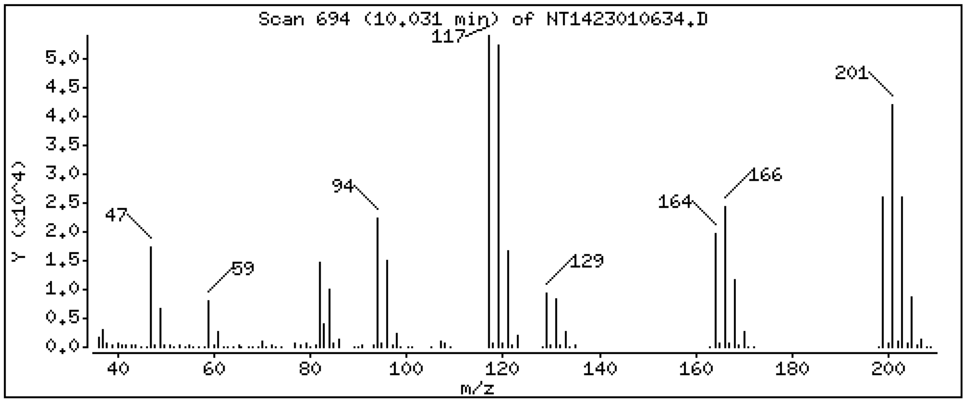
Client ID: Instrument: nt14.i

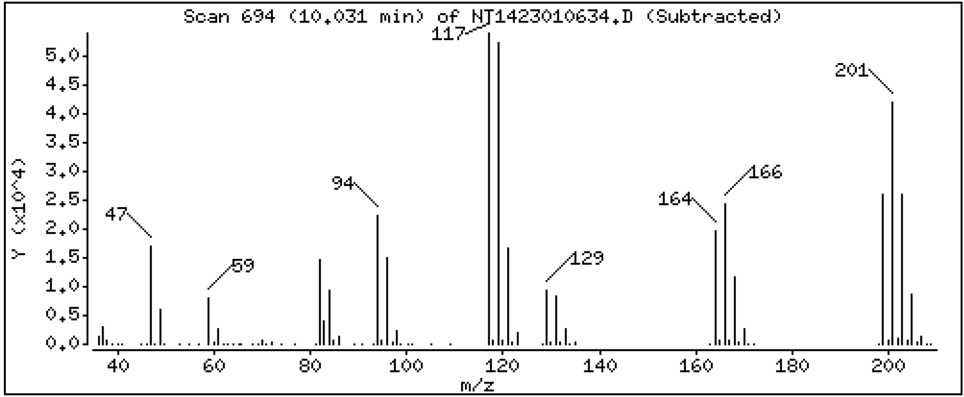
Sample Info: SLA0068-CCV1

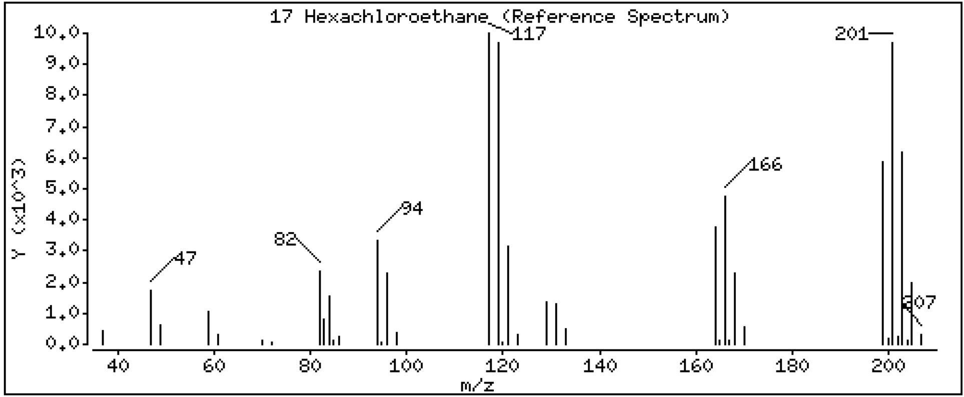
Operator: VTS

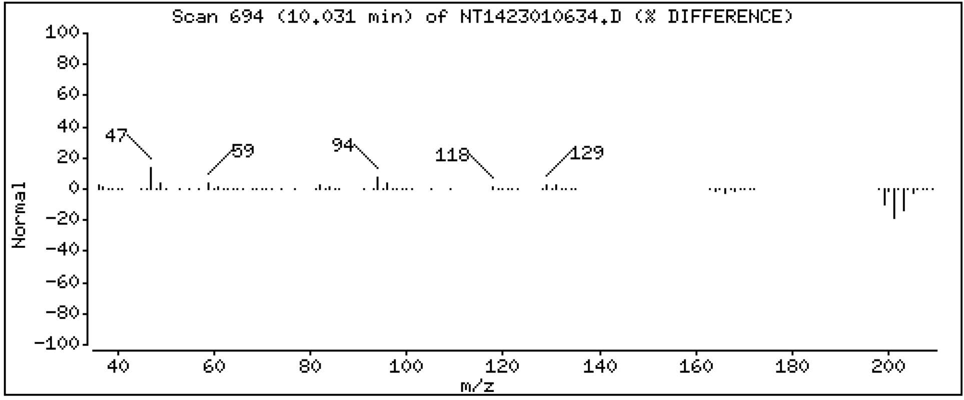
Column phase: ZB-5msi Column diameter: 0.25

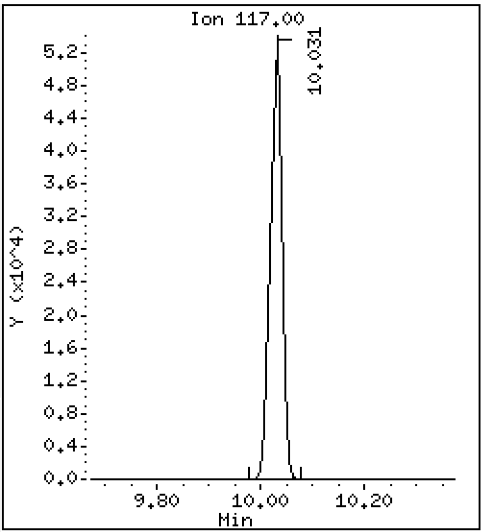
17 Hexachloroethane Concentration: 5.651 ug/mL


Scan 694 (10.031 min) of NT1423010634.D


Scan 694 (10.031 min) of NT1423010634.D (Subtracted)


17 Hexachloroethane (Reference Spectrum)


Scan 694 (10.031 min) of NT1423010634.D (% DIFFERENCE)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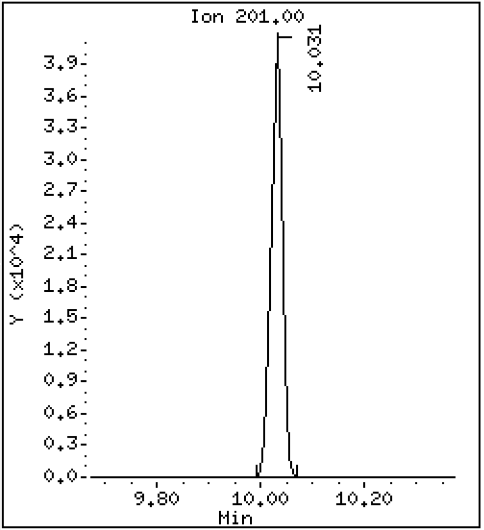
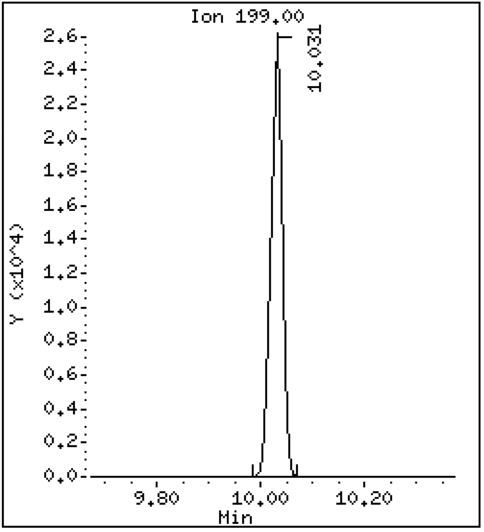

Ion 201.00


Ion 199.00

Data File: \\target\share\chem3\nt14.i\20230106.b\NT1423010634.D

Date : 07-JAN-2023 07:27

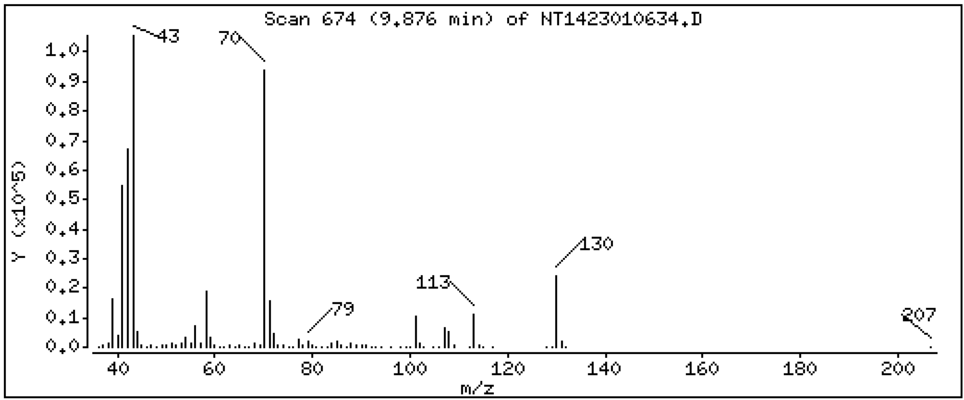
Client ID: Instrument: nt14.i

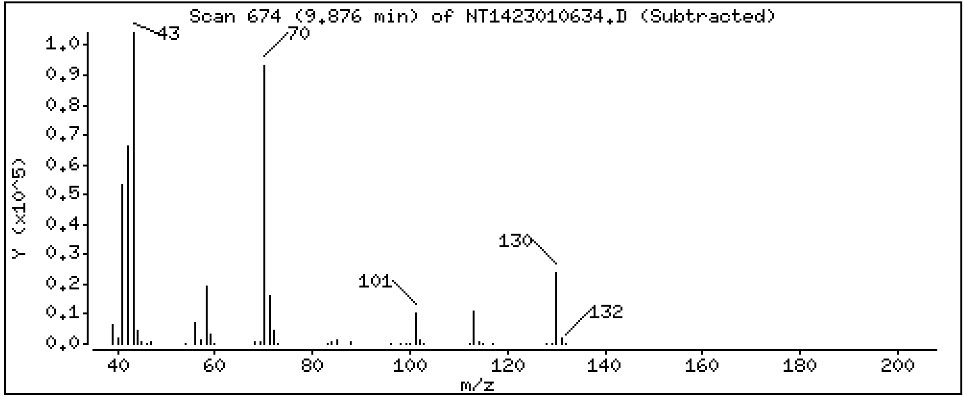
Sample Info: SLA0068-CCV1

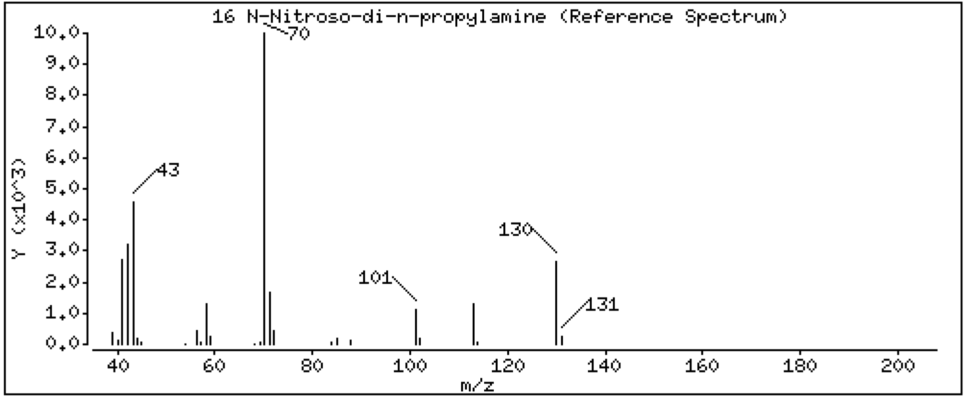
Operator: VTS

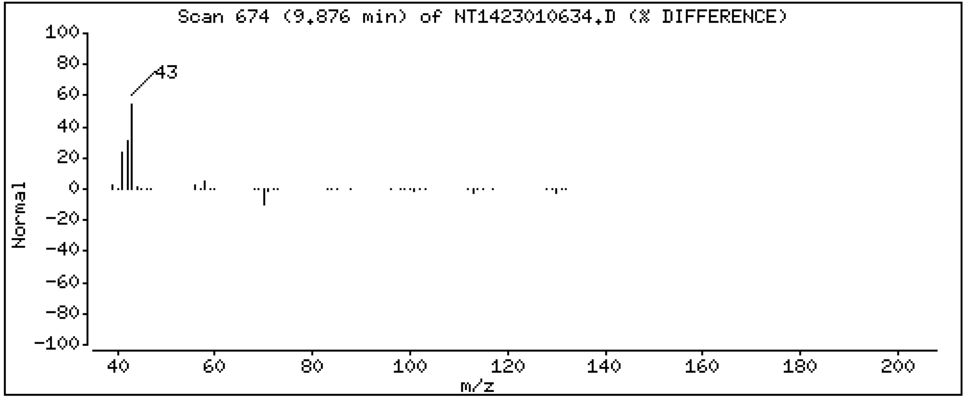
Column phase: ZB-5msi Column diameter: 0.25

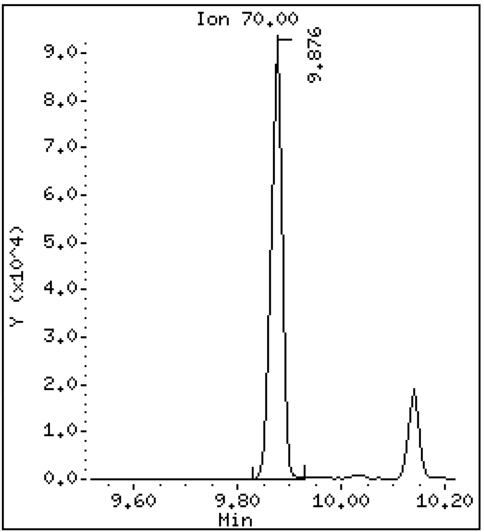
16 N-Nitroso-di-n-propylamine Concentration: 6.345 ug/mL


Scan 674 (9.876 min) of NT1423010634.D


Scan 674 (9.876 min) of NT1423010634.D (Subtracted)


16 N-Nitroso-di-n-propylamine (Reference Spectrum)


Scan 674 (9.876 min) of NT1423010634.D (% DIFFERENCE)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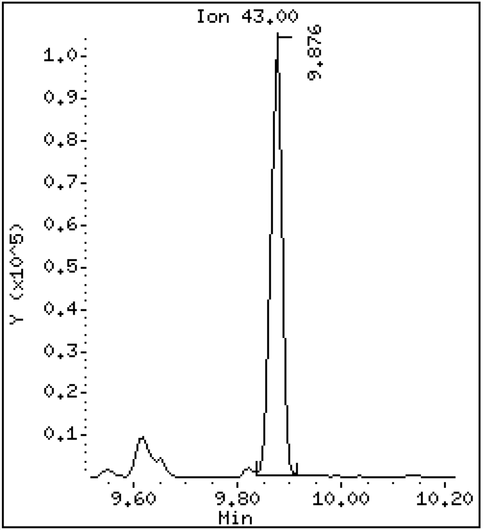
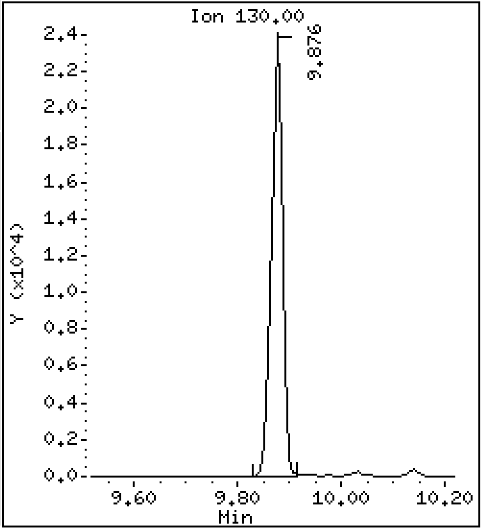

Ion 43.00


Ion 130.00

Data File: \\target\share\chem3\nt14.i\20230106.b\NT1423010634.D

Date : 07-JAN-2023 07:27

Client ID:

Instrument: nt14.i

Sample Info: SLA0068-CCV1

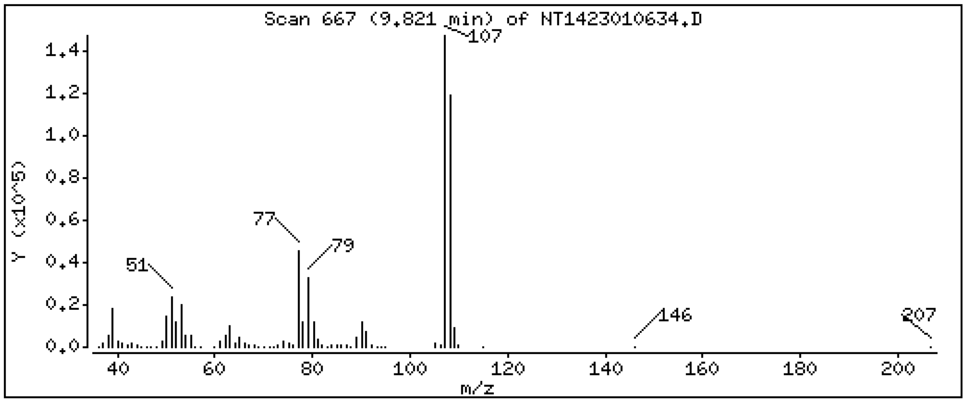
Operator: VTS

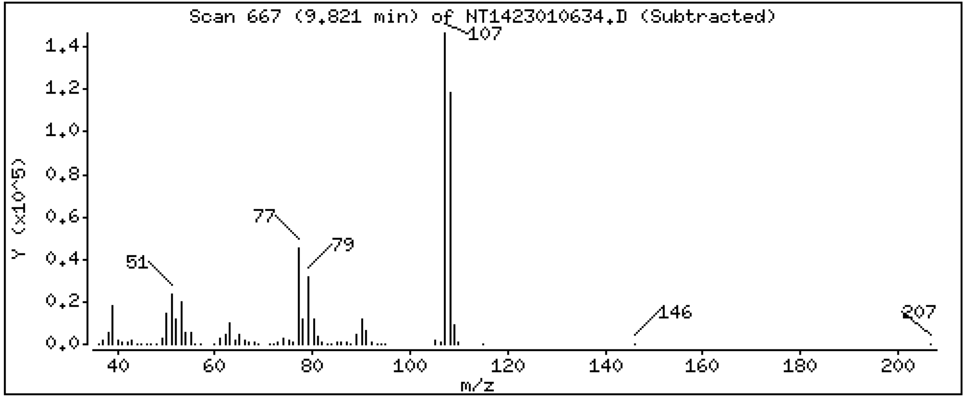
Column phase: ZB-5msi

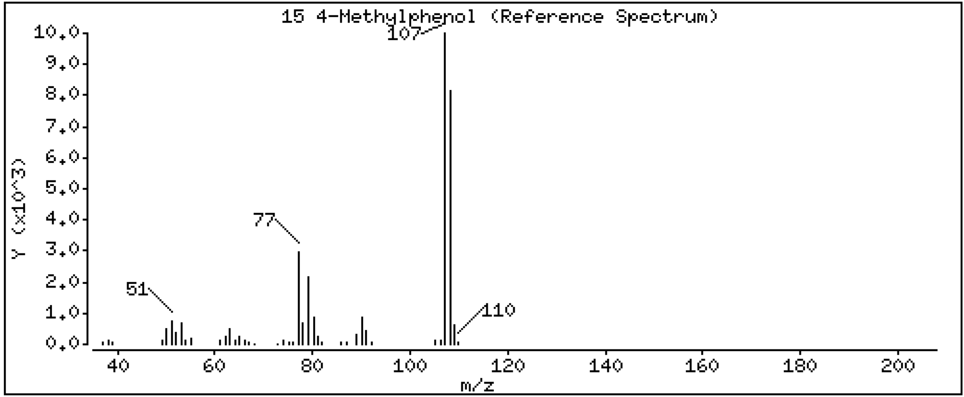
Column diameter: 0.25

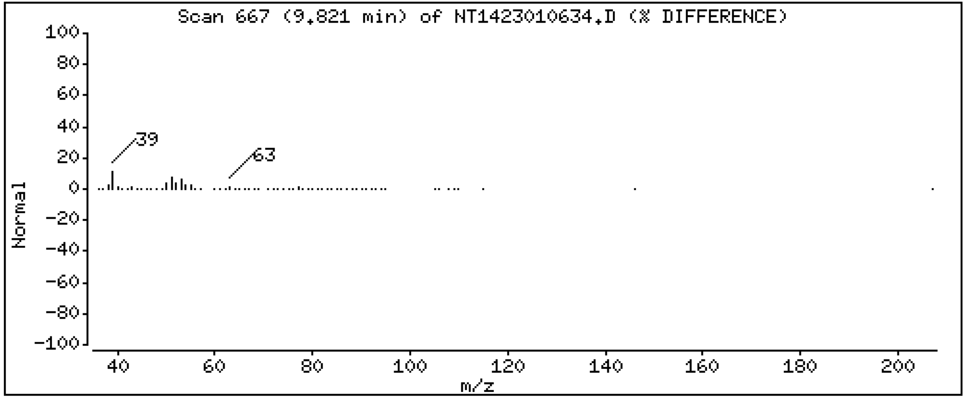
15 4-Methylphenol

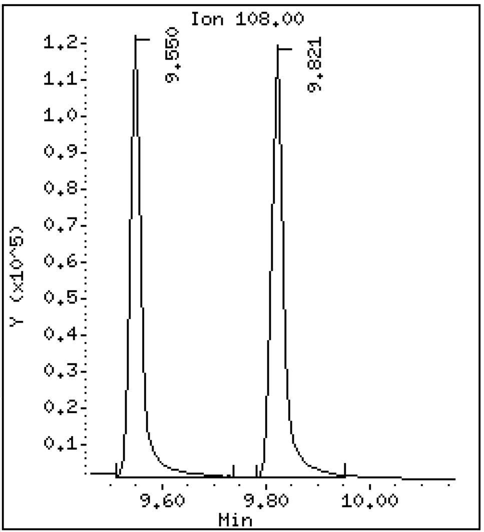
Concentration: 5.302 ug/mL


Scan 667 (9.821 min) of NT1423010634.D


Scan 667 (9.821 min) of NT1423010634.D (Subtracted)


15 4-Methylphenol (Reference Spectrum)


Scan 667 (9.821 min) of NT1423010634.D (% DIFFERENCE)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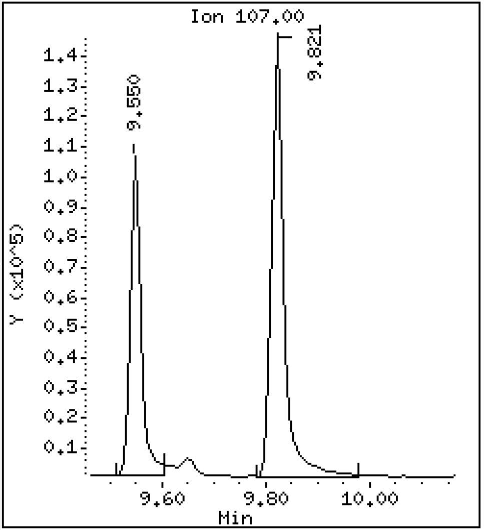
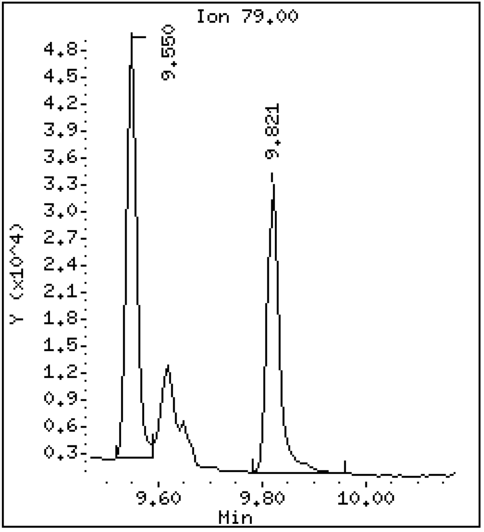

Ion 107.00


Ion 79.00

Data File: \\target\share\chem3\nt14.i\20230106.b\NT1423010634.D

Date : 07-JAN-2023 07:27

Client ID:

Instrument: nt14.i

Sample Info: SLA0068-CCV1

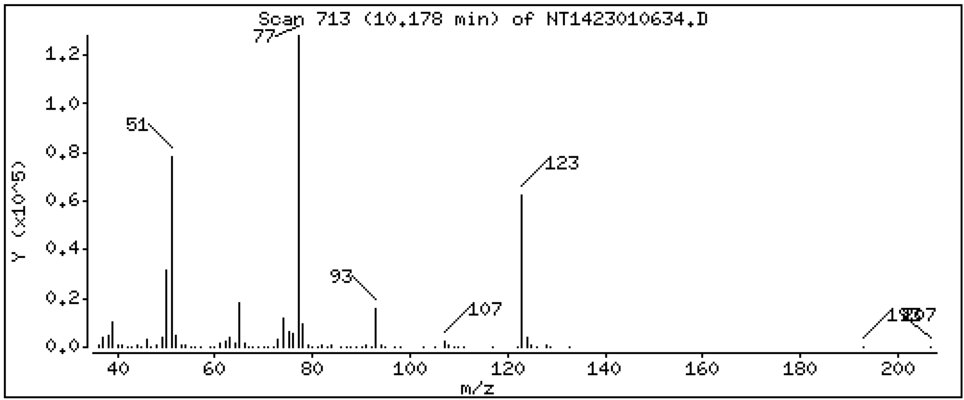
Operator: VTS

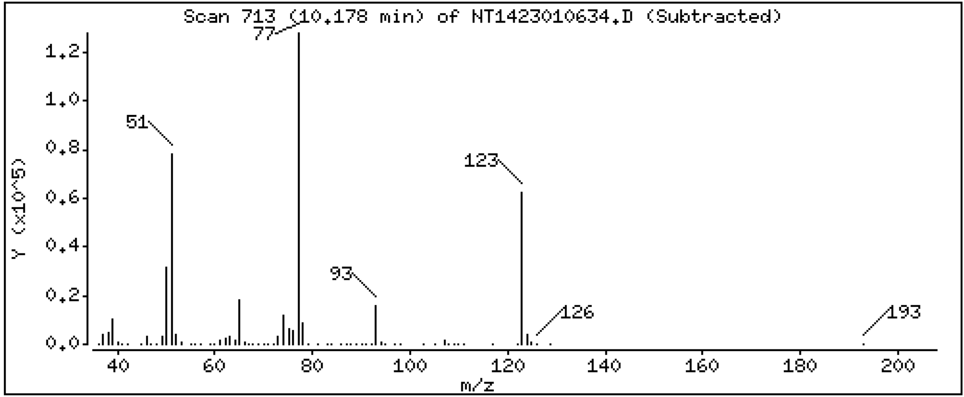
Column phase: ZB-5msi

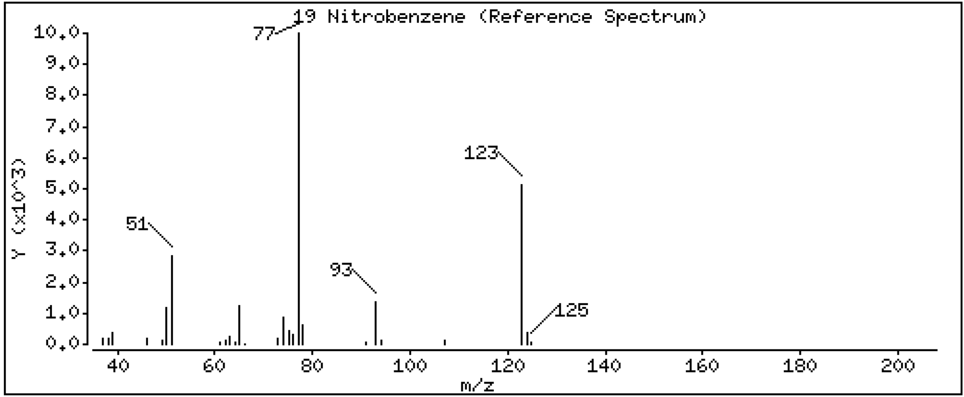
Column diameter: 0.25

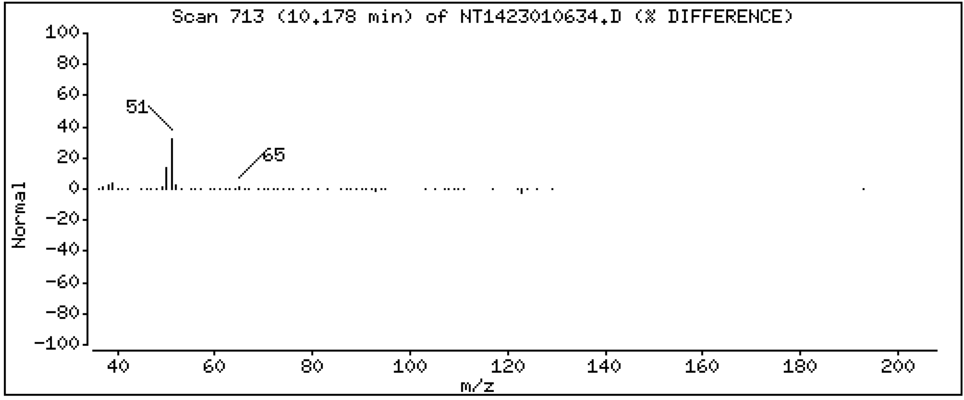
19 Nitrobenzene

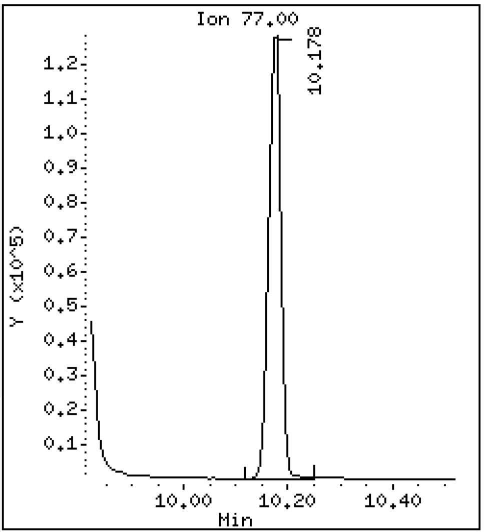
Concentration: 5.995 ug/mL

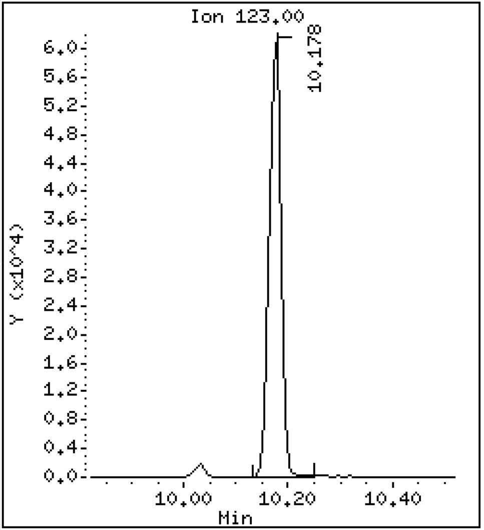


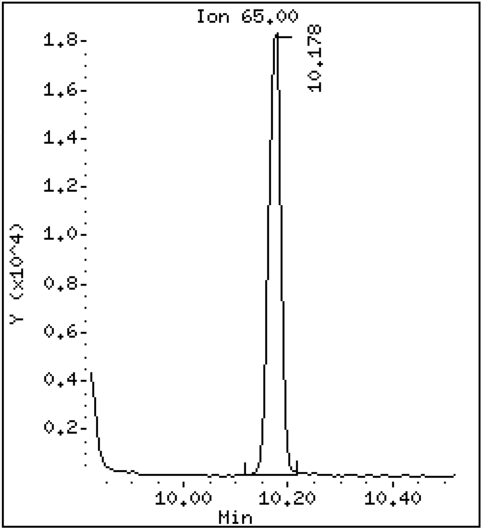












Data File: \\target\share\chem3\nt14.i\20230106.b\NT1423010634.D

Date : 07-JAN-2023 07:27

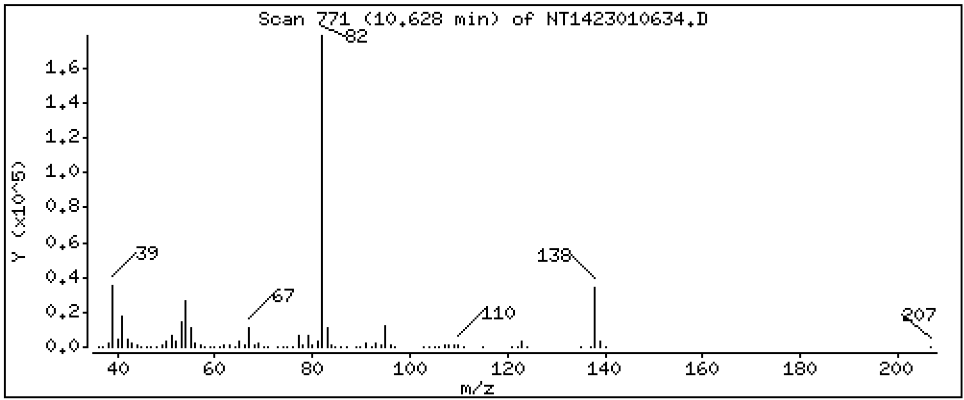
Client ID: Instrument: nt14.i

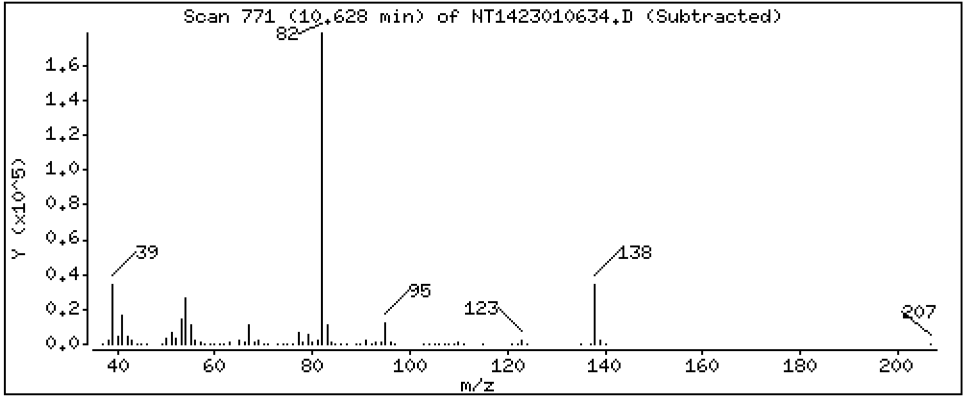
Sample Info: SLA0068-CCV1

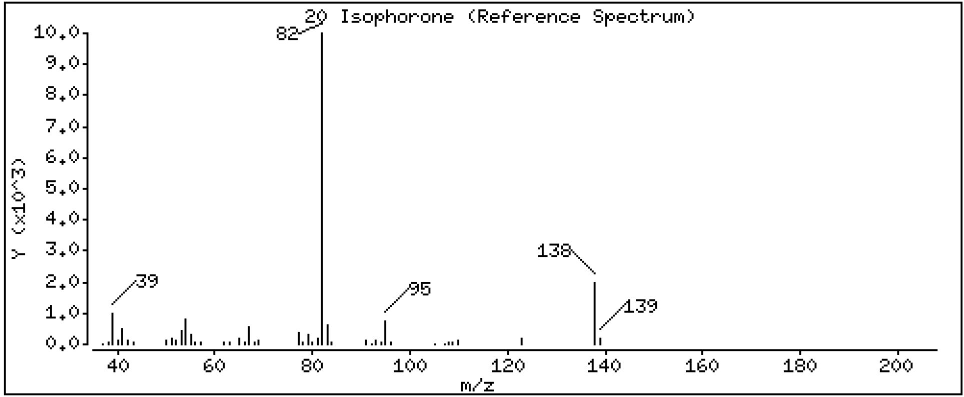
Operator: VTS

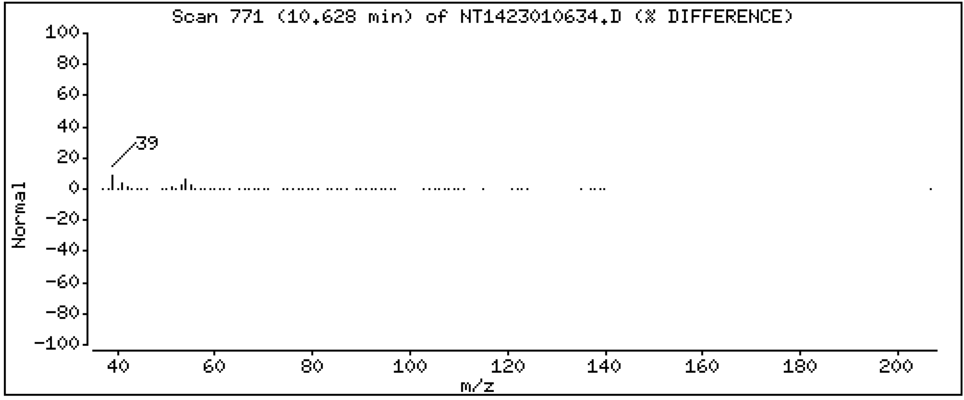
Column phase: ZB-5msi Column diameter: 0.25

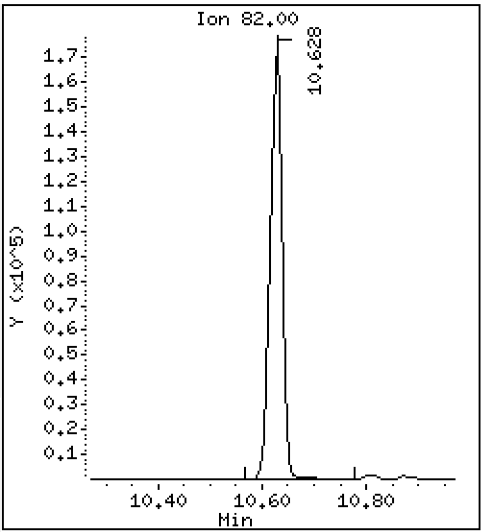
20 Isophorone Concentration: 6.840 ug/mL

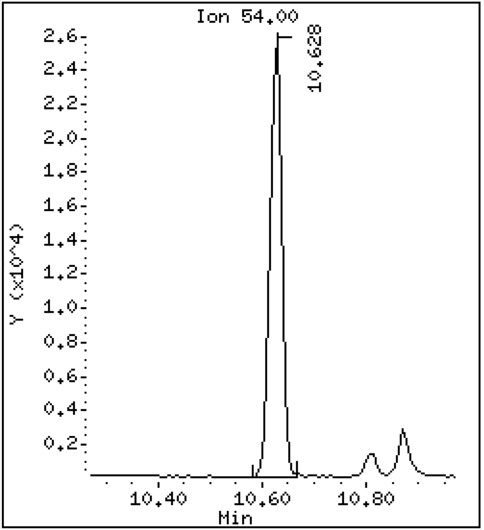


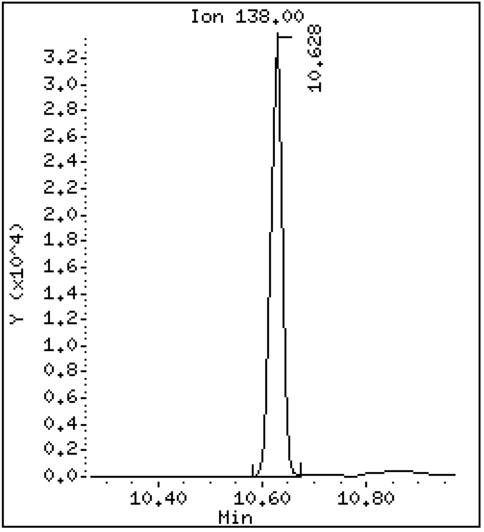












Data File: \\target\share\chem3\nt14.i\20230106.b\NT1423010634.D

Date : 07-JAN-2023 07:27

Client ID:

Instrument: nt14.i

Sample Info: SLA0068-CCV1

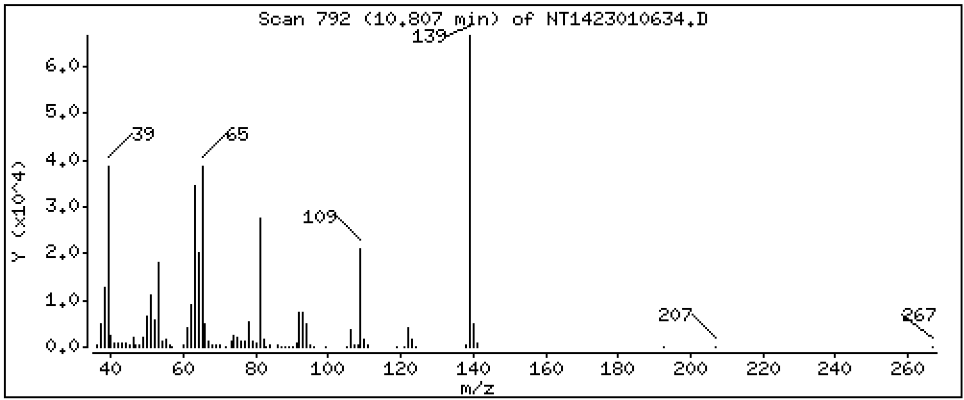
Operator: VTS

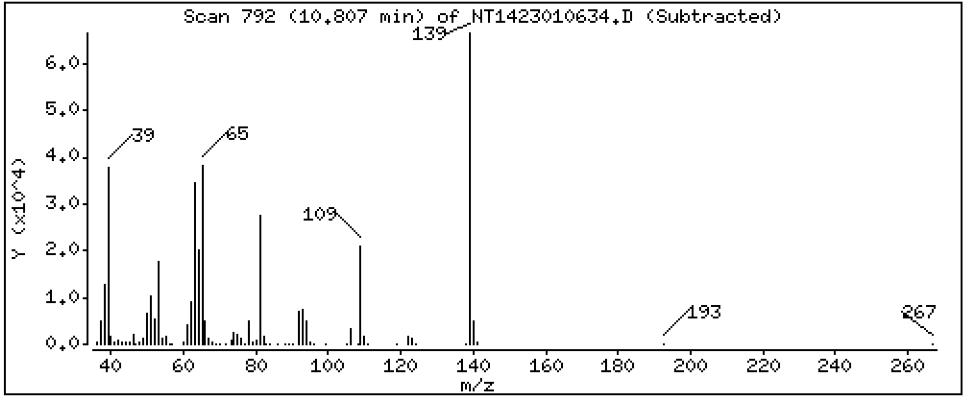
Column phase: ZB-5msi

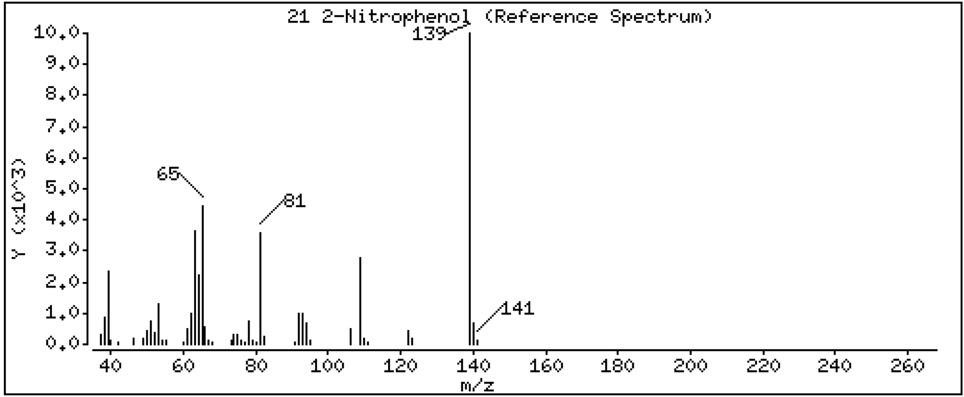
Column diameter: 0.25

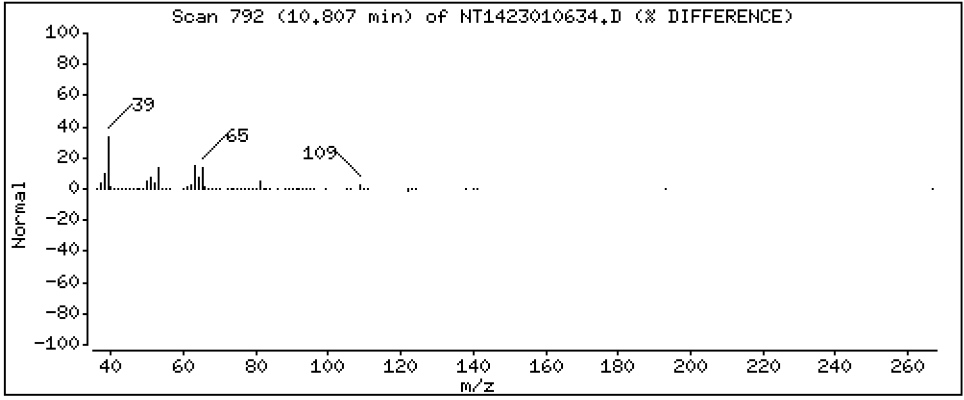
21 2-Nitrophenol

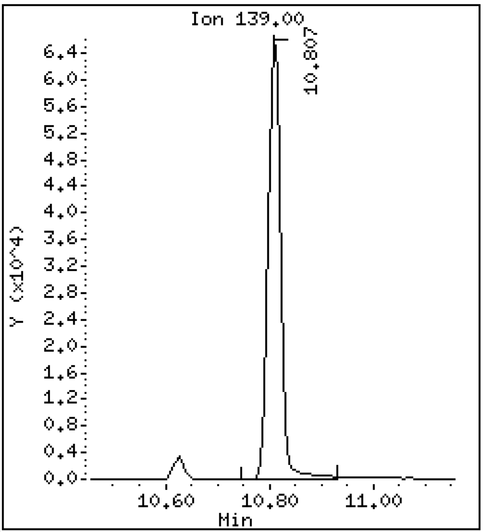
Concentration: 5.398 ug/mL

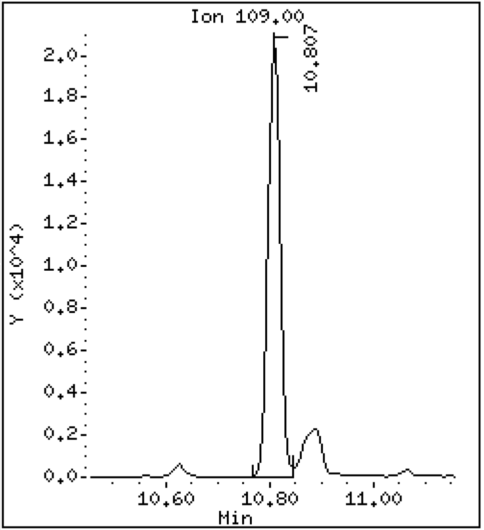

Scan 792 (10.807 min) of NT1423010634.D

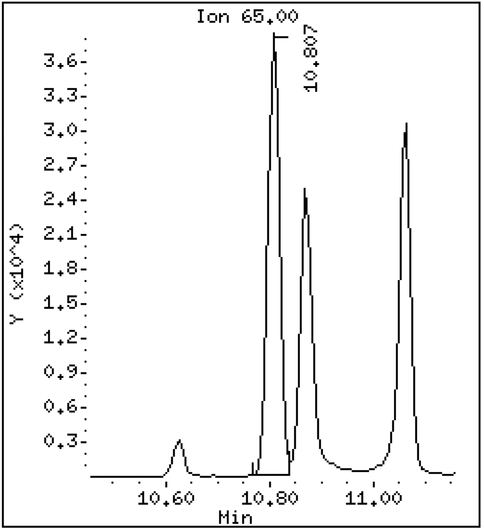

Scan 792 (10.807 min) of NT1423010634.D (Subtracted)


21 2-Nitrophenol (Reference Spectrum)


Scan 792 (10.807 min) of NT1423010634.D (% DIFFERENCE)


Ion 139.00


Ion 109.00


Ion 65.00

Data File: \\target\share\chem3\nt14.i\20230106.b\NT1423010634.D

Date : 07-JAN-2023 07:27

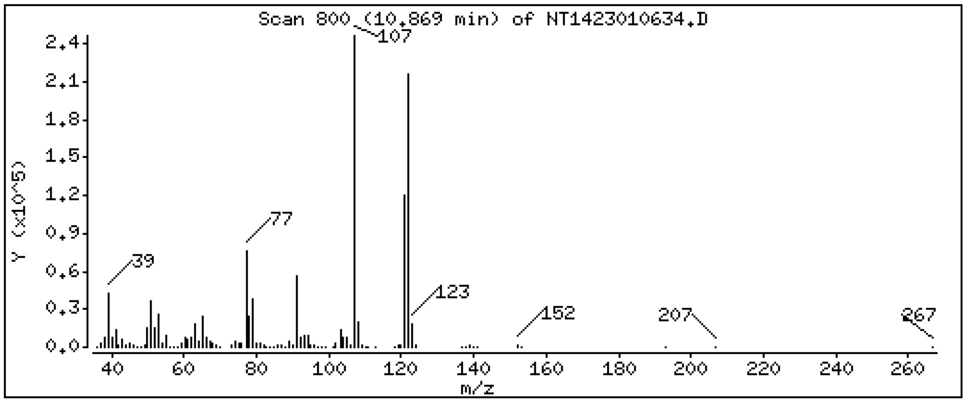
Client ID: Instrument: nt14.i

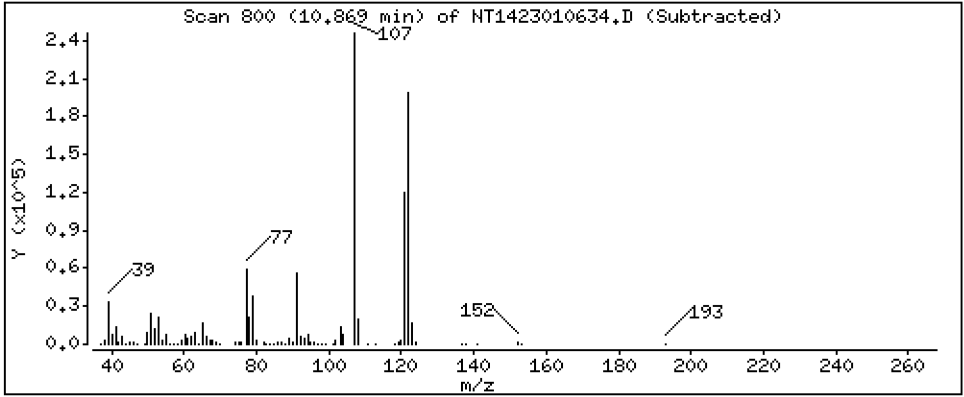
Sample Info: SLA0068-CCV1

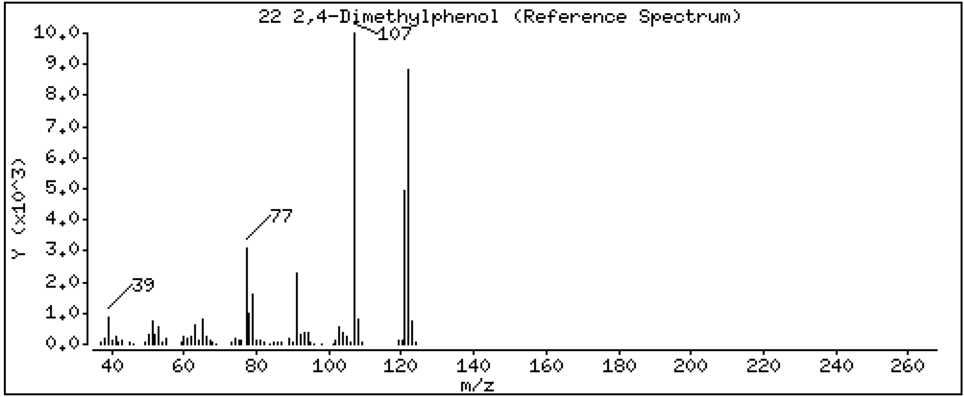
Operator: VTS

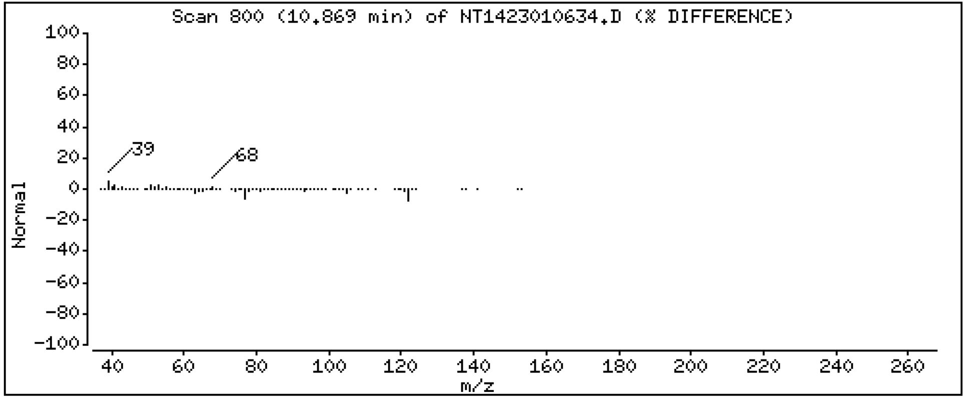
Column phase: ZB-5msi Column diameter: 0.25

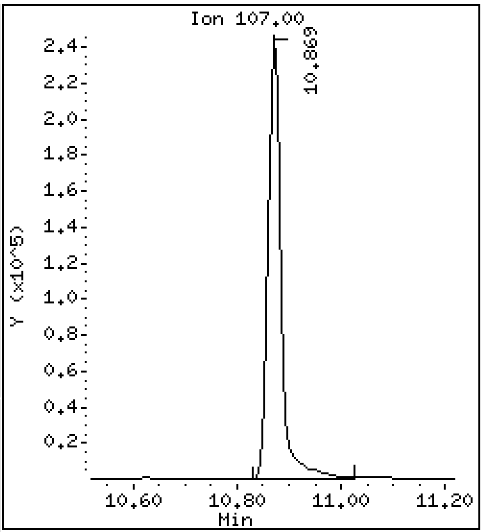
22 2,4-Dimethylphenol Concentration: 11.56 ug/mL

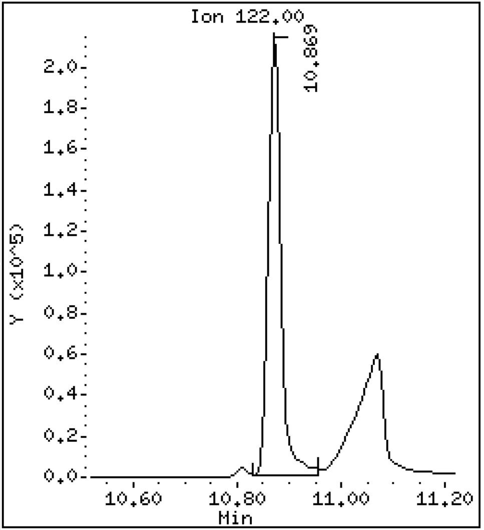


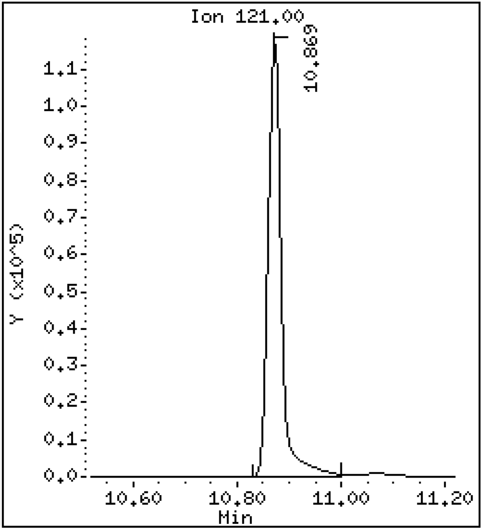












Data File: \\target\share\chem3\nt14.i\20230106.b\NT1423010634.D

Date : 07-JAN-2023 07:27

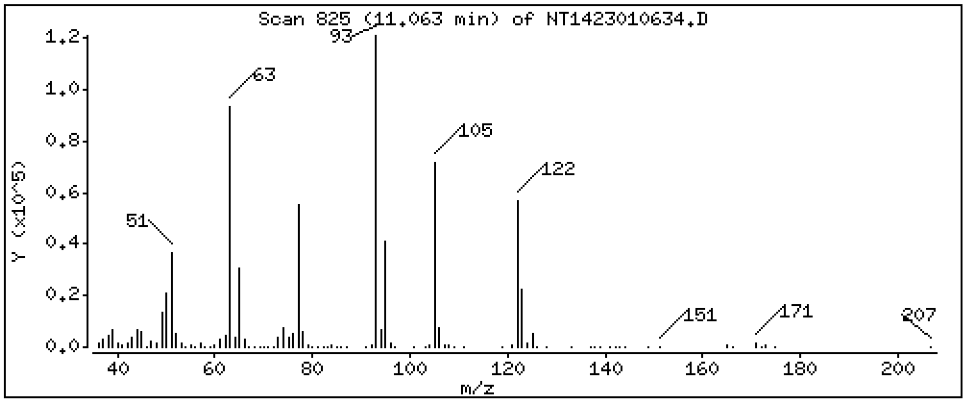
Client ID: Instrument: nt14.i

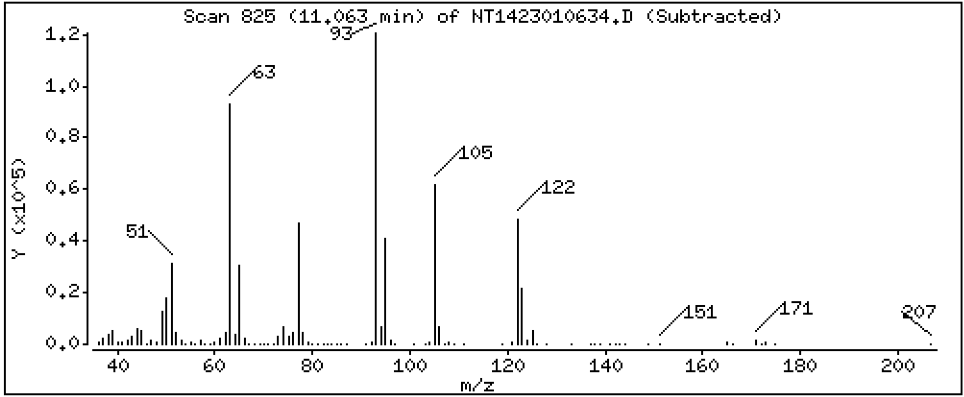
Sample Info: SLA0068-CCV1

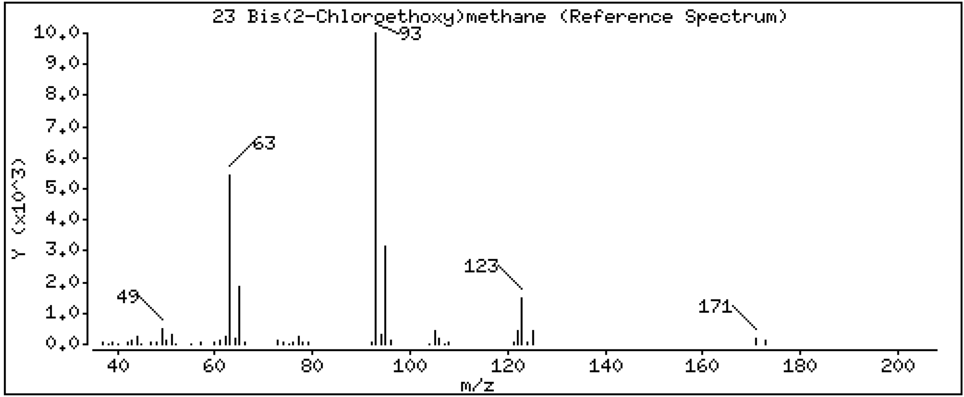
Operator: VTS

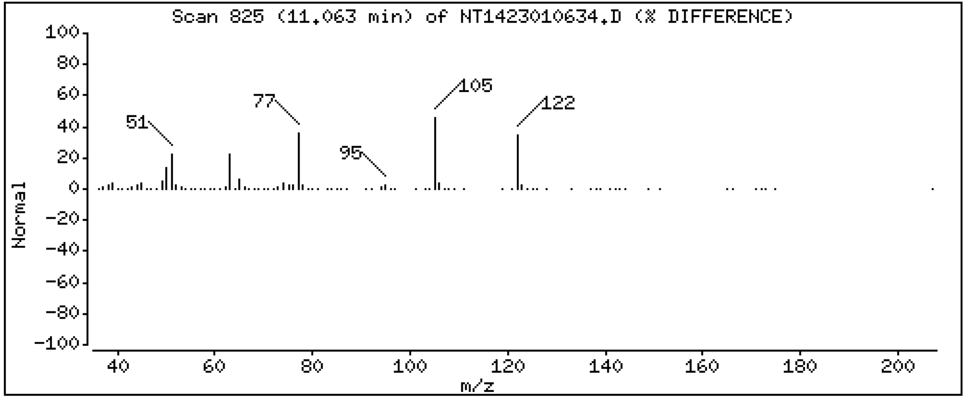
Column phase: ZB-5msi Column diameter: 0.25

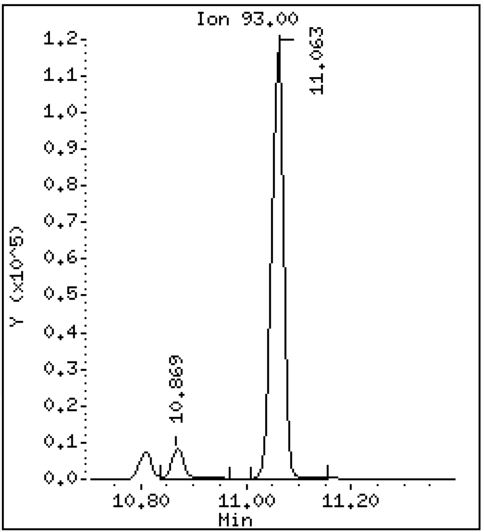
23 Bis(2-Chloroethoxy)methane Concentration: 5.464 ug/mL

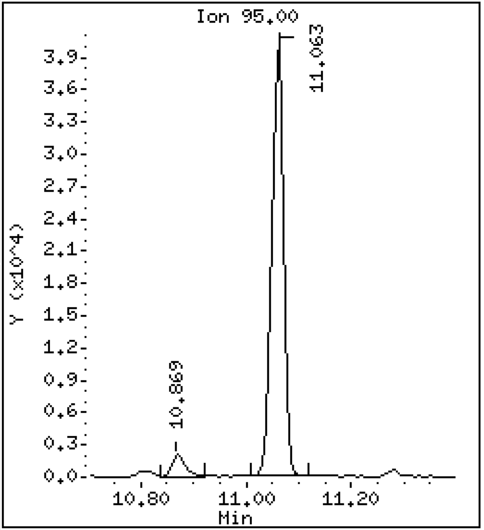


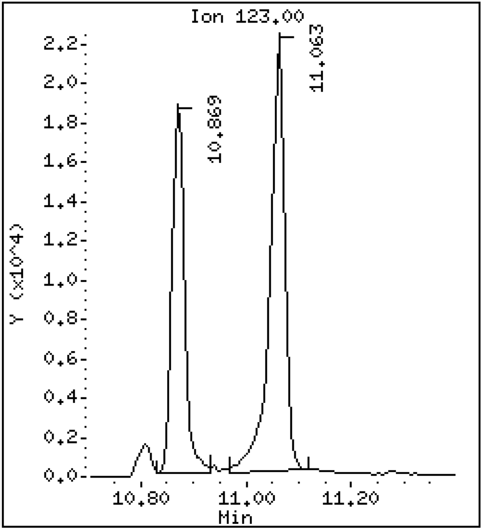












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Date : 07-JAN-2023 07:27

Client ID:

Instrument: nt14.i

Sample Info: SLA0068-CCV1

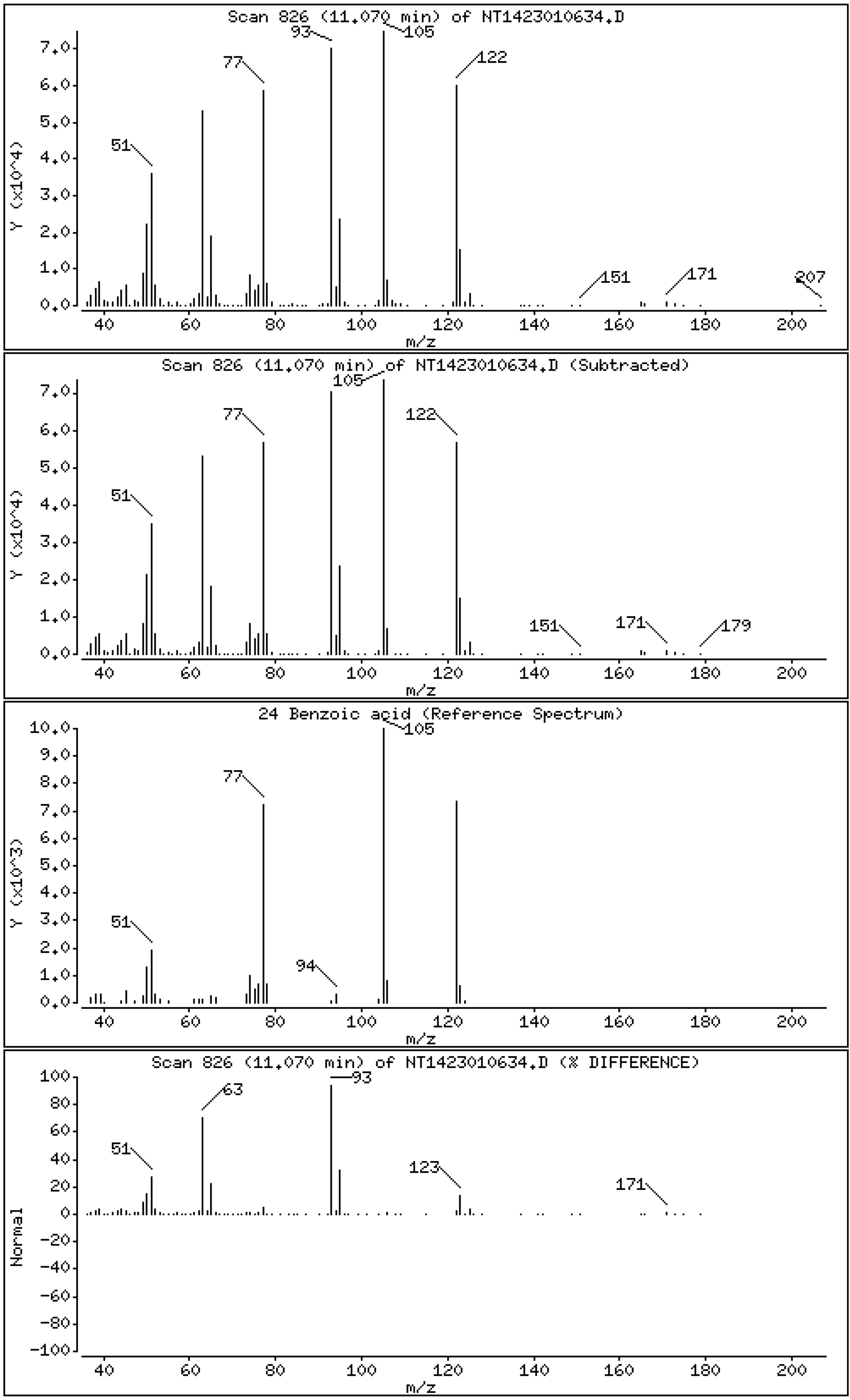
Operator: VTS

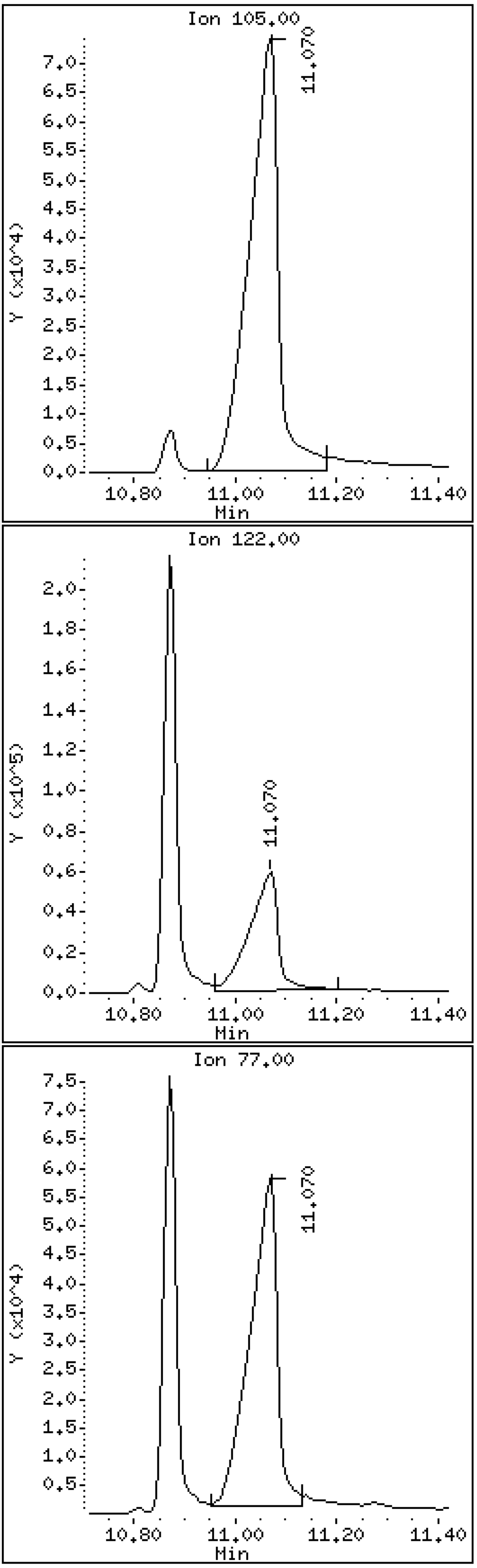
Column phase: ZB-5msi

Column diameter: 0.25

24 Benzoic acid

Concentration: 13.38 ug/mL





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Date : 07-JAN-2023 07:27

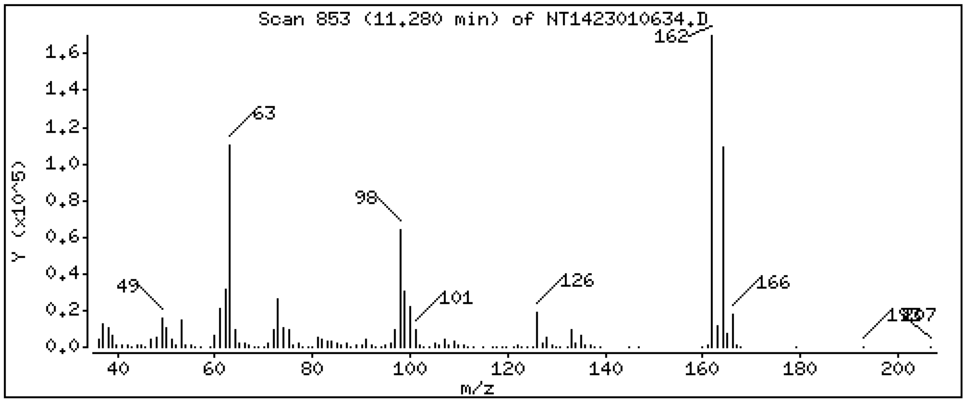
Client ID: Instrument: nt14.i

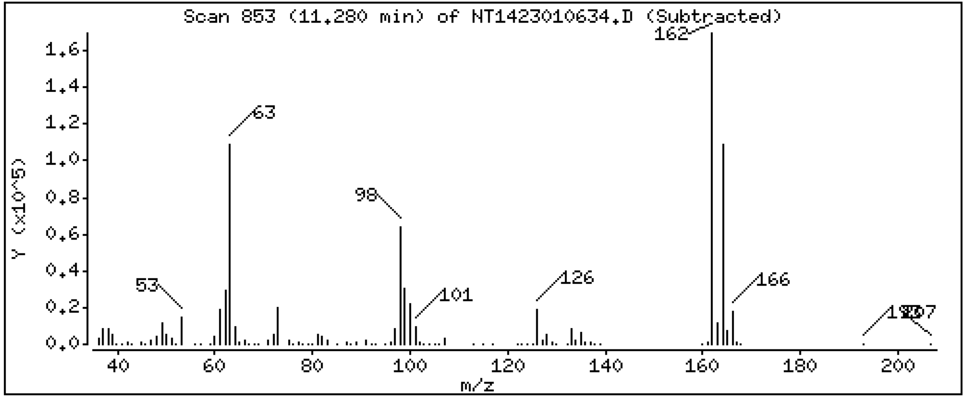
Sample Info: SLA0068-CCV1

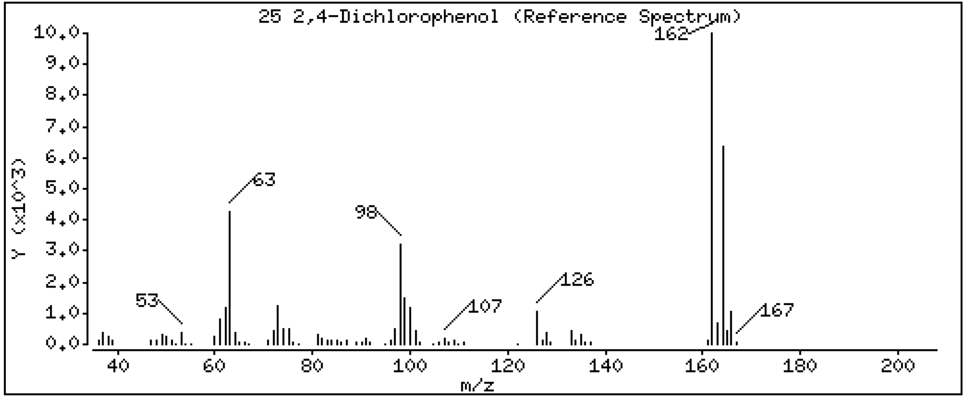
Operator: VTS

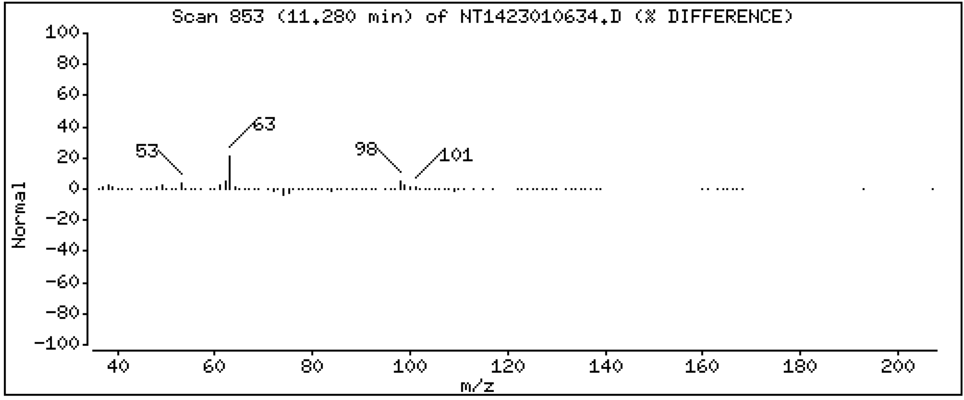
Column phase: ZB-5msi Column diameter: 0.25

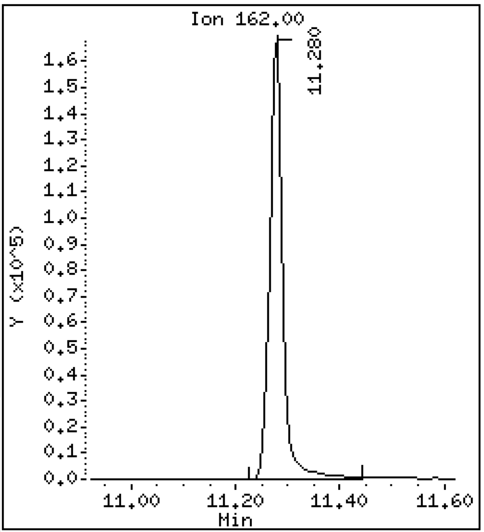
25 2,4-Dichlorophenol Concentration: 10.80 ug/mL

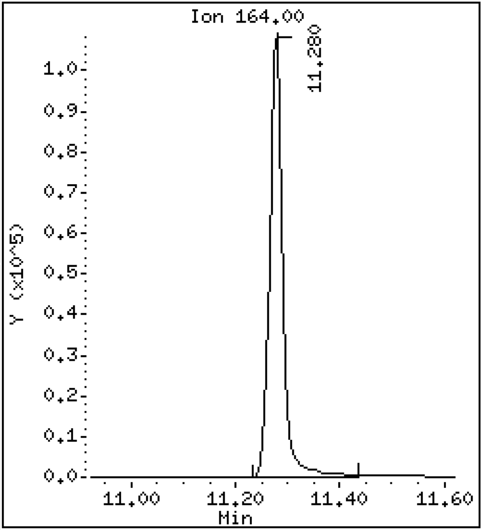


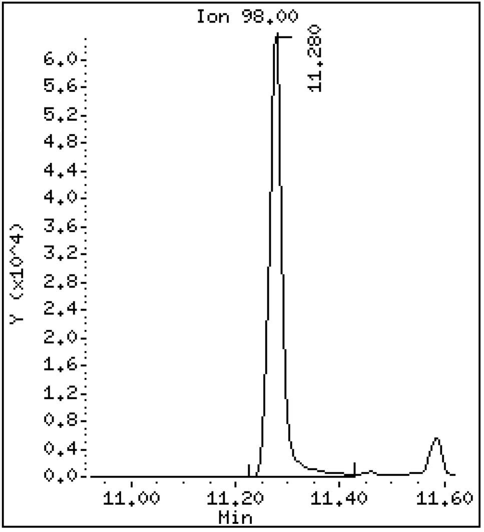












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Date : 07-JAN-2023 07:27

Client ID:

Instrument: nt14.i

Sample Info: SLA0068-CCV1

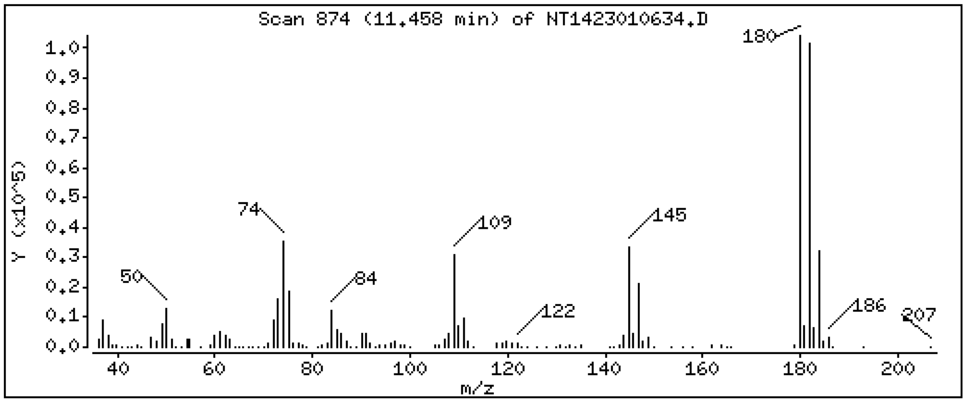
Operator: VTS

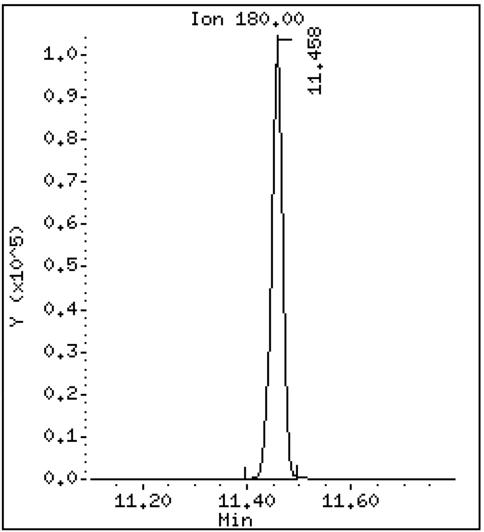
Column phase: ZB-5msi

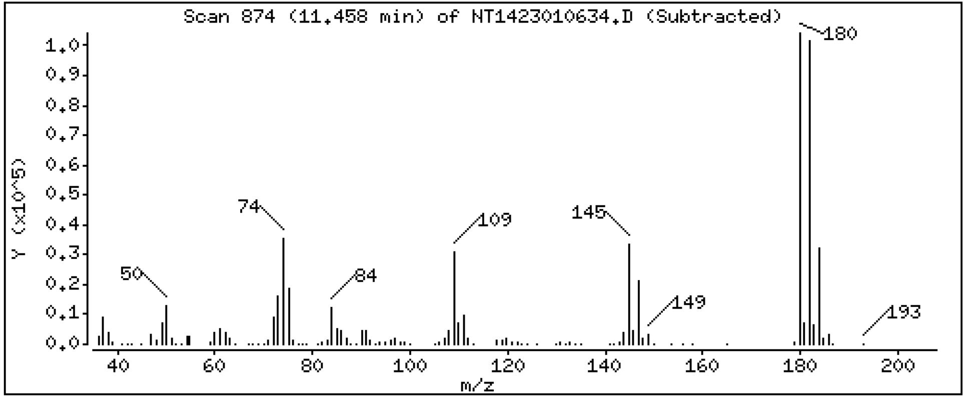
Column diameter: 0.25

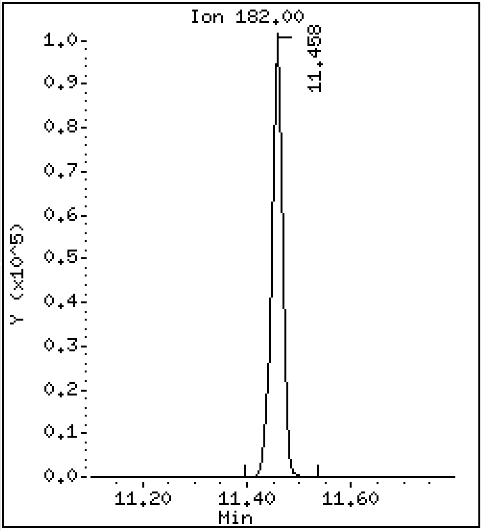
26 1,2,4-Trichlorobenzene

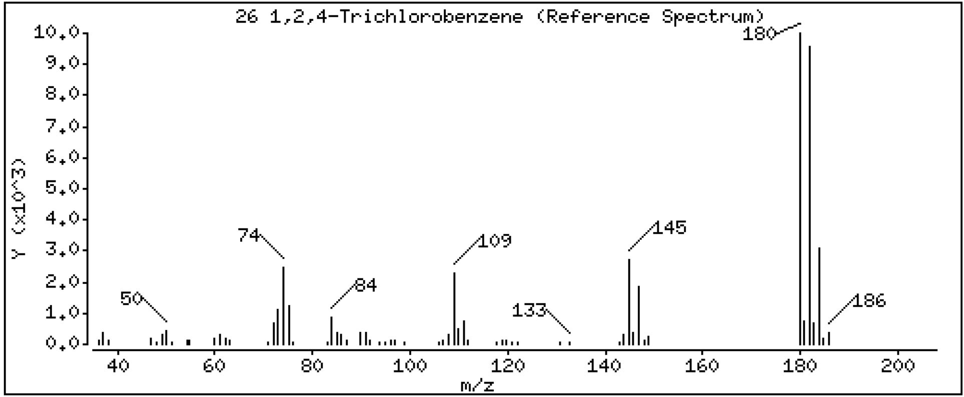
Concentration: 5.807 ug/mL

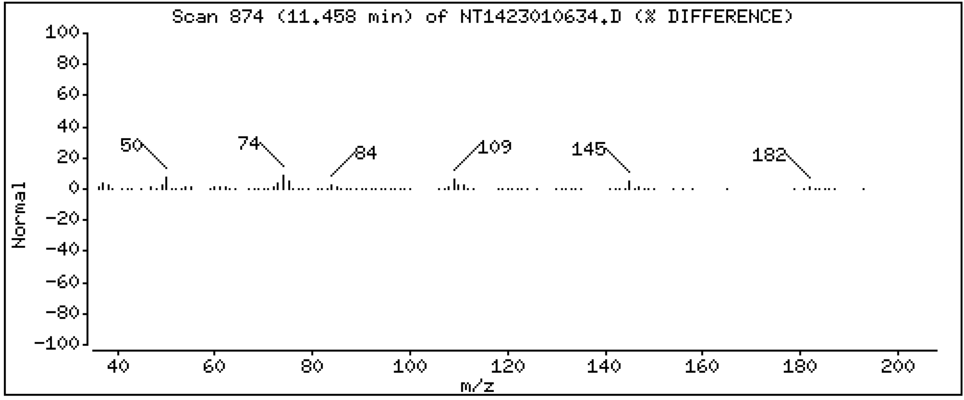


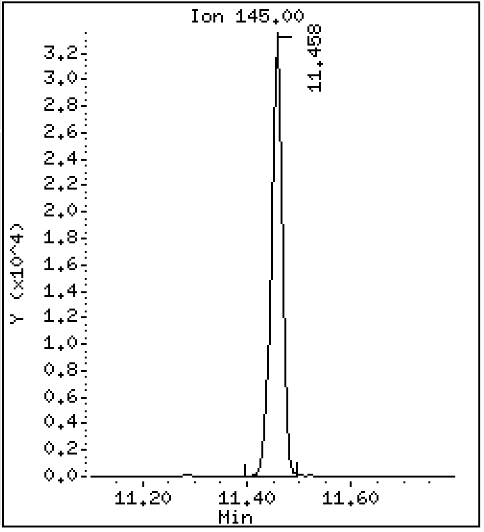












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Date : 07-JAN-2023 07:27

Client ID: Instrument: nt14.i

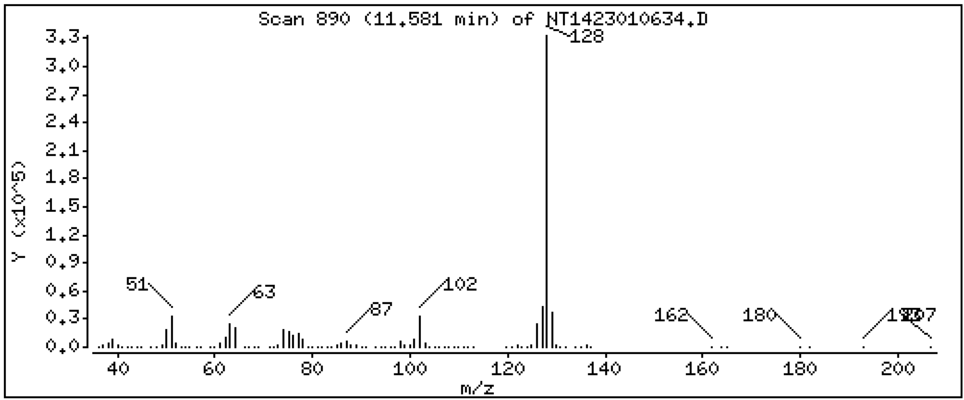
Sample Info: SLA0068-CCV1

Operator: VTS

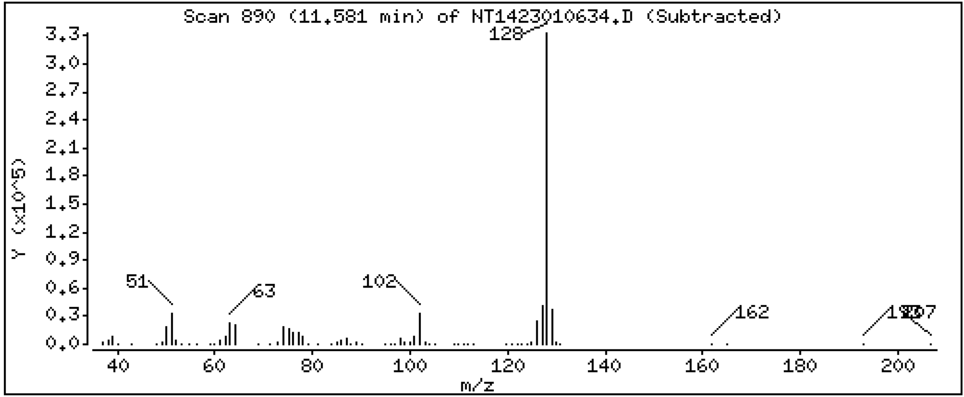
Column phase: ZB-5msi Column diameter: 0.25

28 Naphthalene Concentration: 5.202 ug/mL

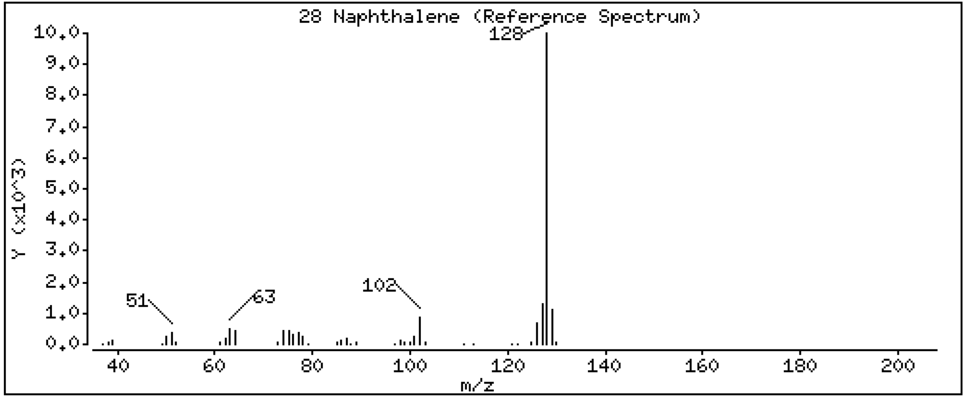
Scan 890 (11.581 min) of NT1423010634.D



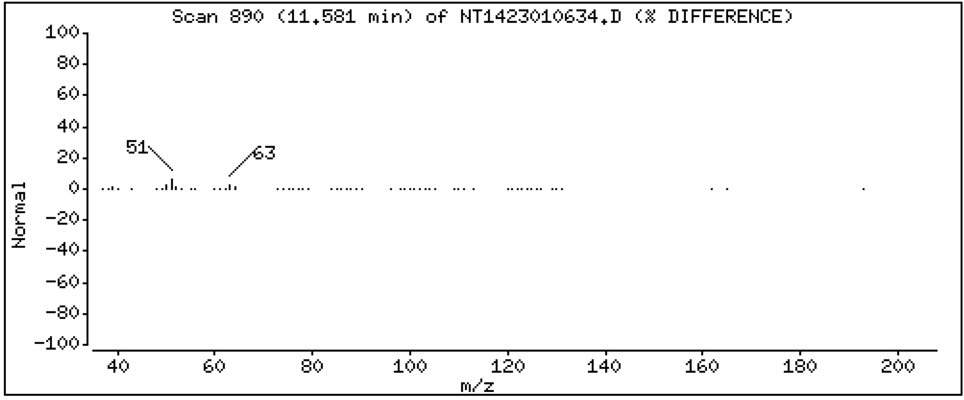
Scan 890 (11.581 min) of NT1423010634.D (Subtracted)



28 Naphthalene (Reference Spectrum)



Scan 890 (11.581 min) of NT1423010634.D (% DIFFERENCE)



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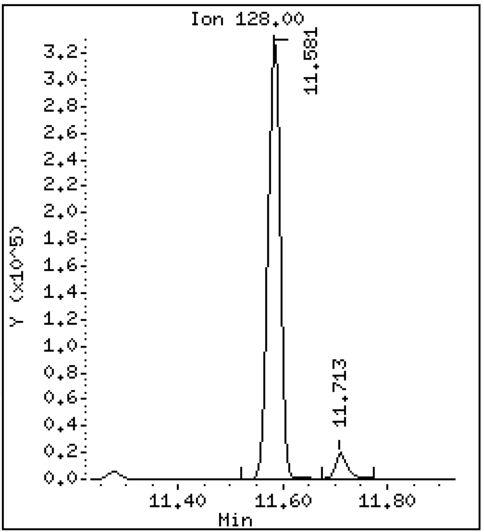

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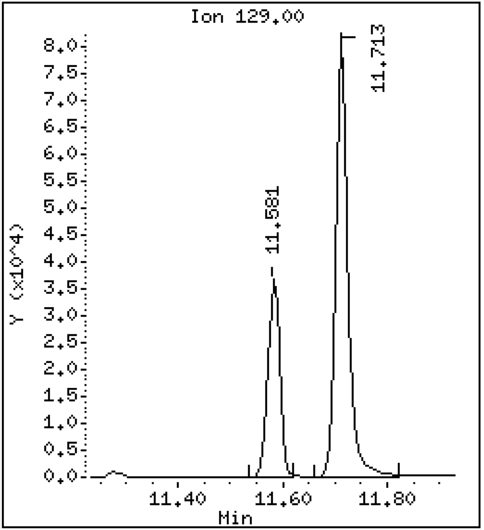

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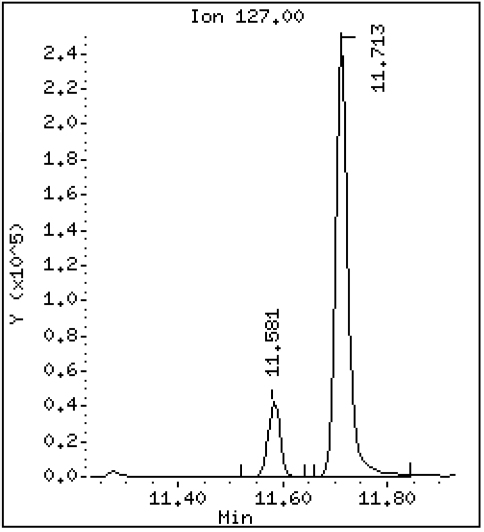

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Date : 07-JAN-2023 07:27

Client ID:

Instrument: nt14.i

Sample Info: SLA0068-CCV1

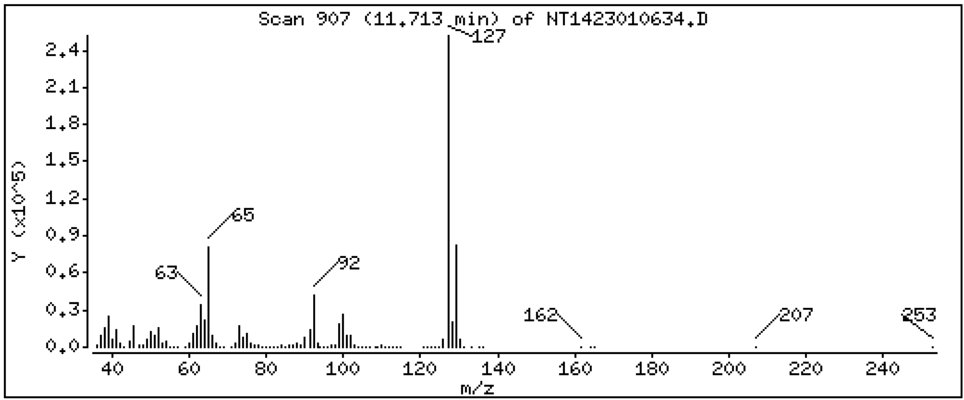
Operator: VTS

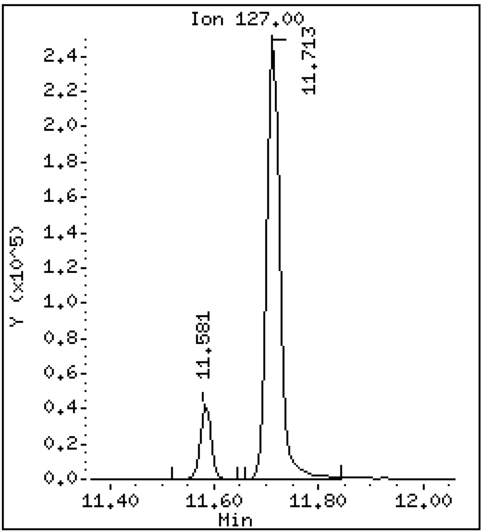
Column phase: ZB-5msi

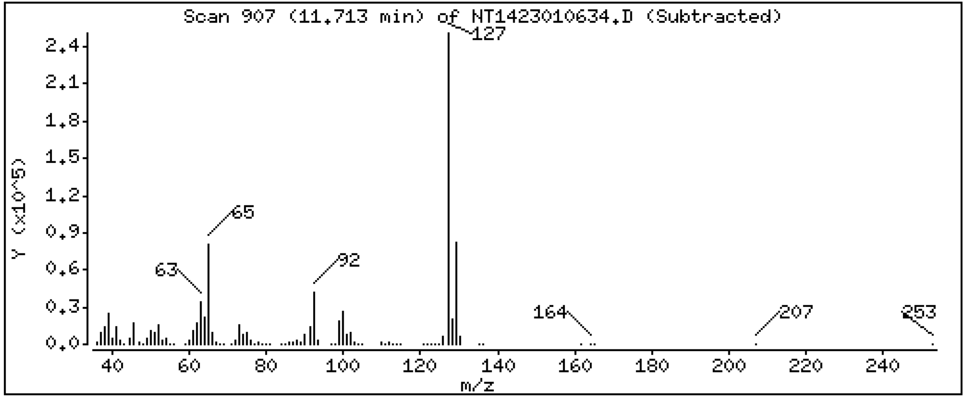
Column diameter: 0.25

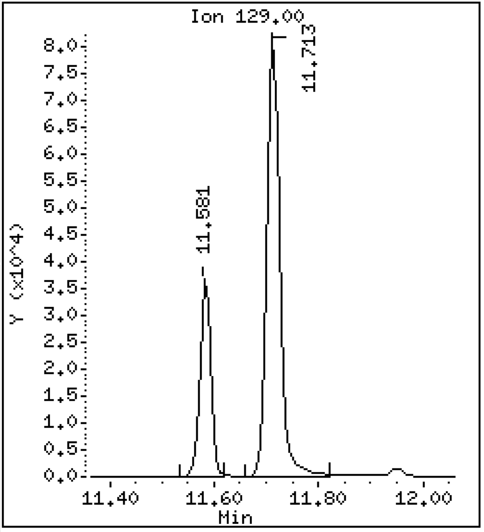
29 4-Chloroaniline

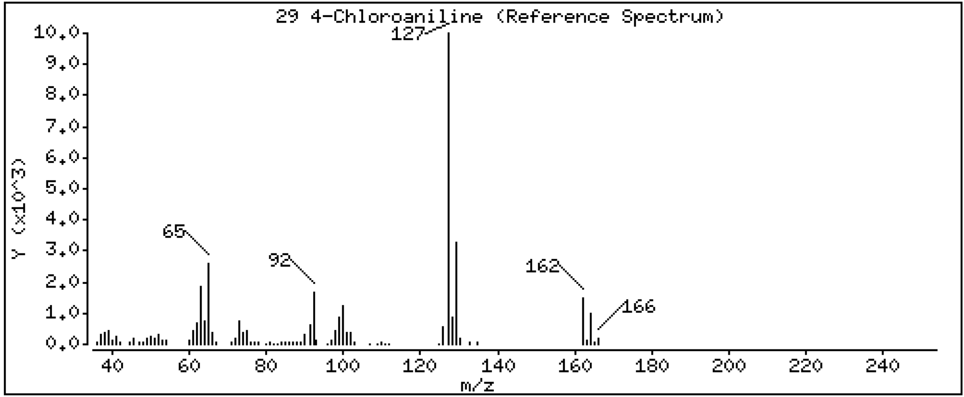
Concentration: 10.24 ug/mL

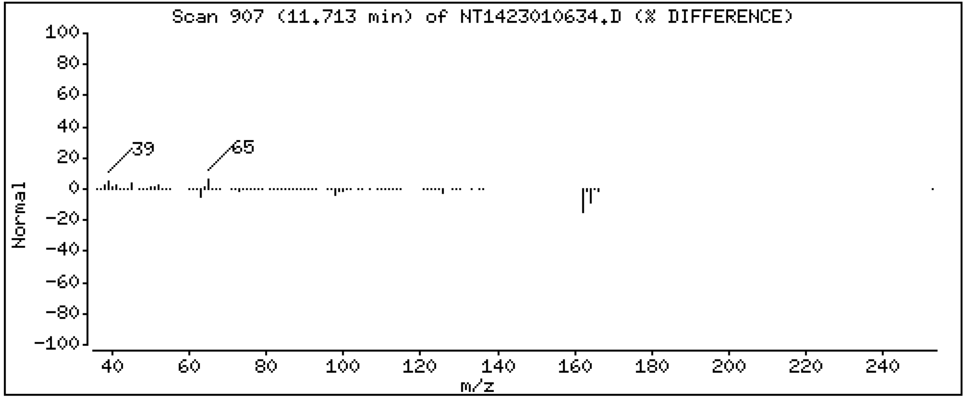












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Date : 07-JAN-2023 07:27

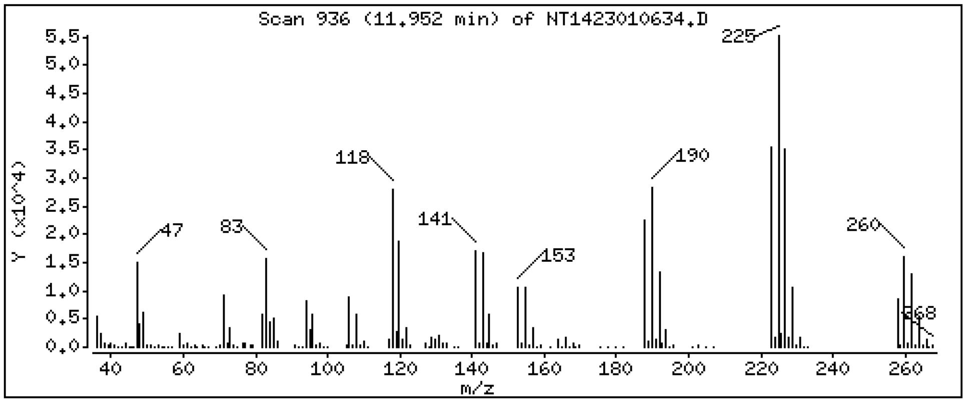
Client ID: Instrument: nt14.i

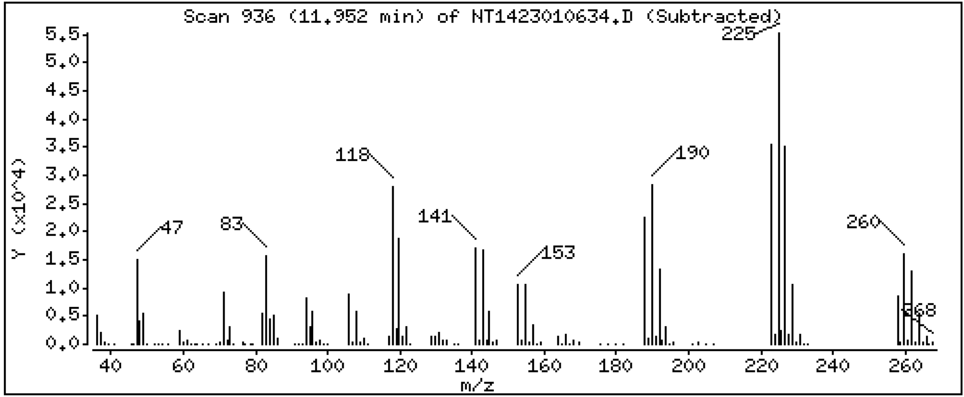
Sample Info: SLA0068-CCV1

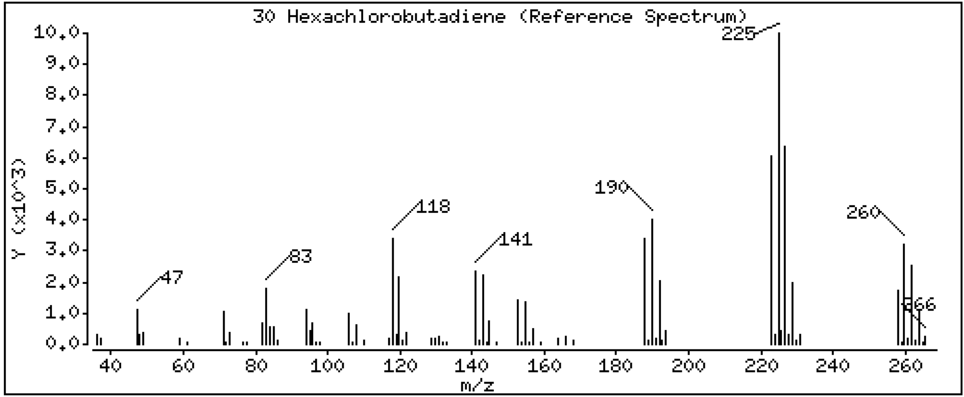
Operator: VTS

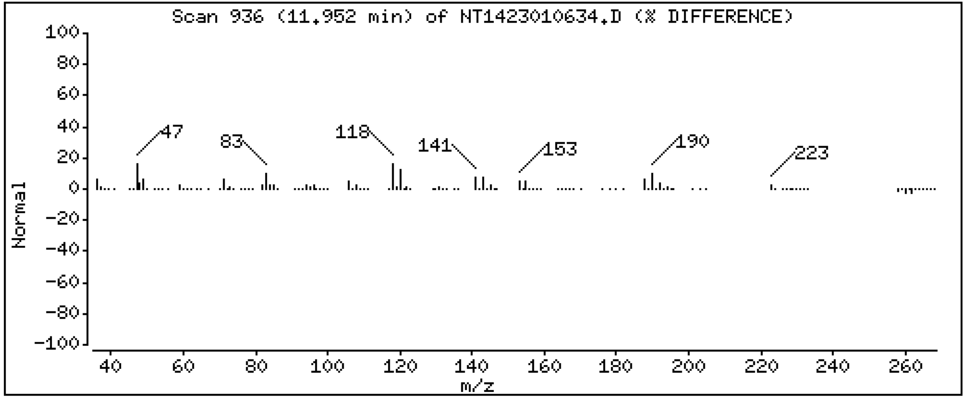
Column phase: ZB-5msi Column diameter: 0.25

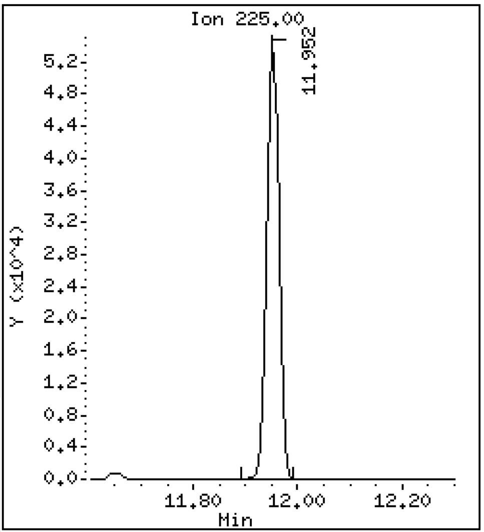
30 Hexachlorobutadiene Concentration: 6.257 ug/mL

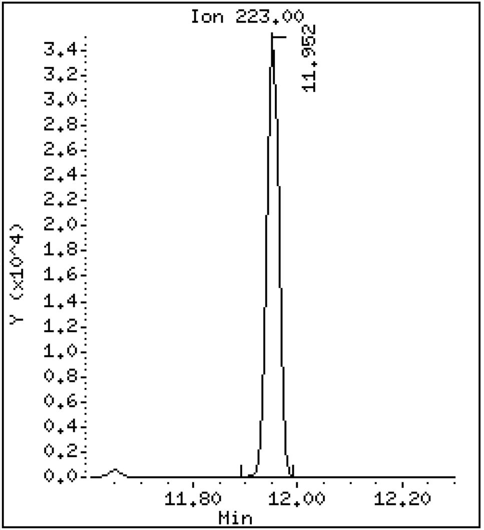


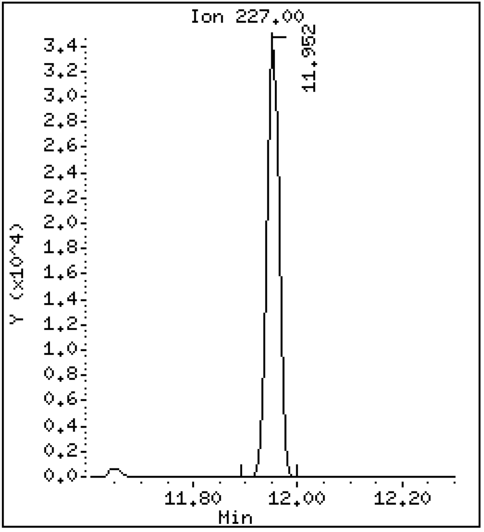












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Date : 07-JAN-2023 07:27

Client ID:

Instrument: nt14.i

Sample Info: SLA0068-CCV1

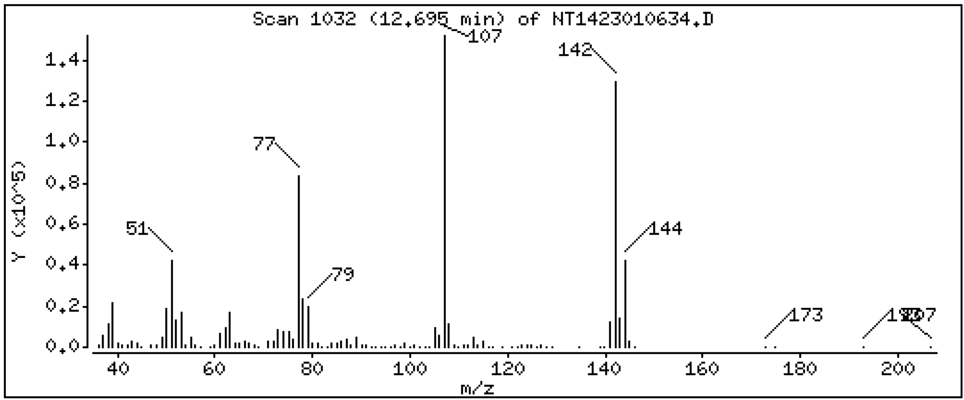
Operator: VTS

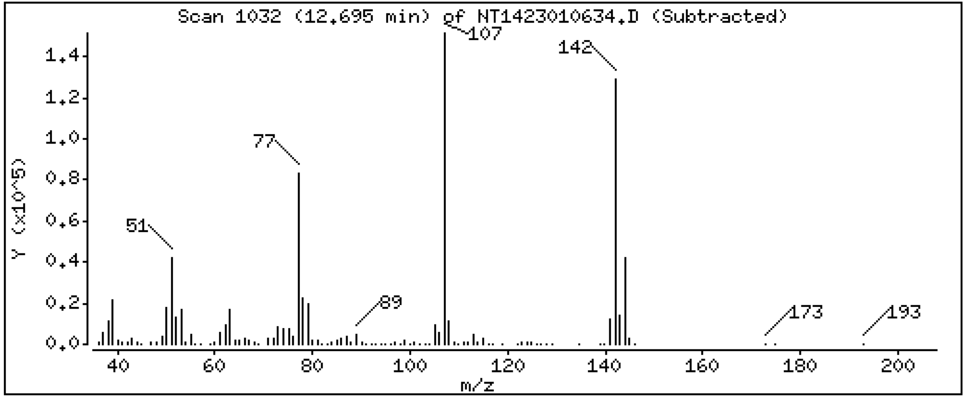
Column phase: ZB-5msi

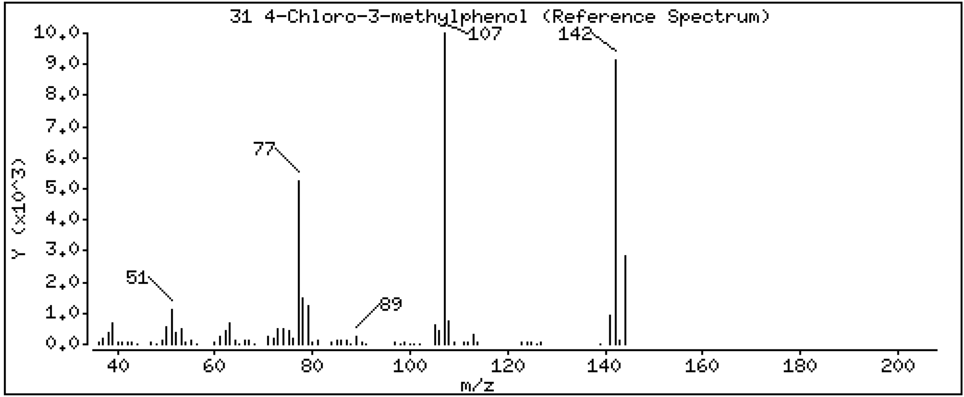
Column diameter: 0.25

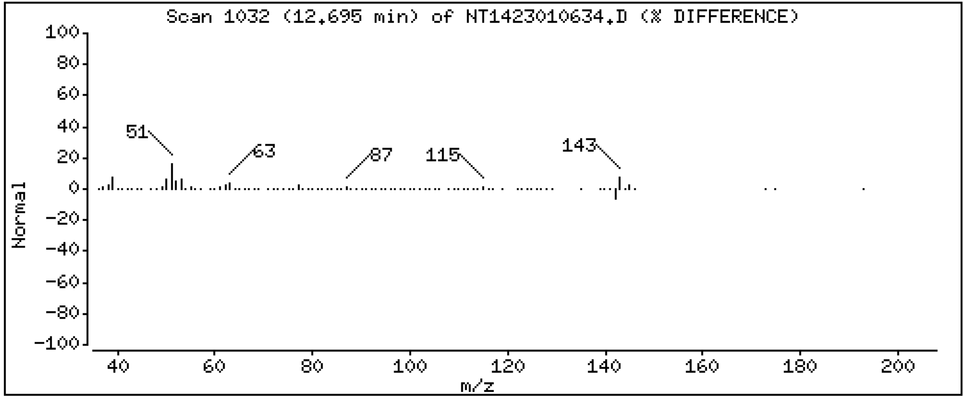
31 4-Chloro-3-methylphenol

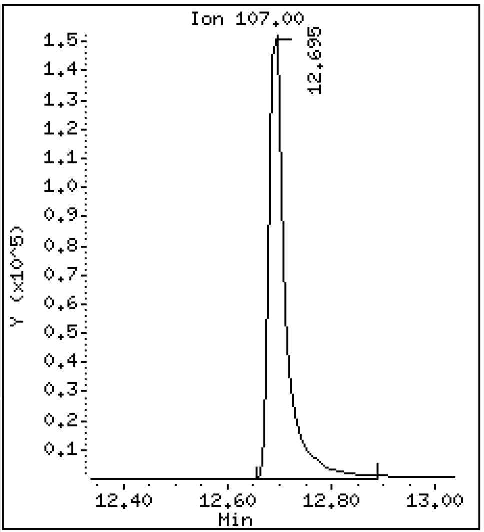
Concentration: 11.72 ug/mL

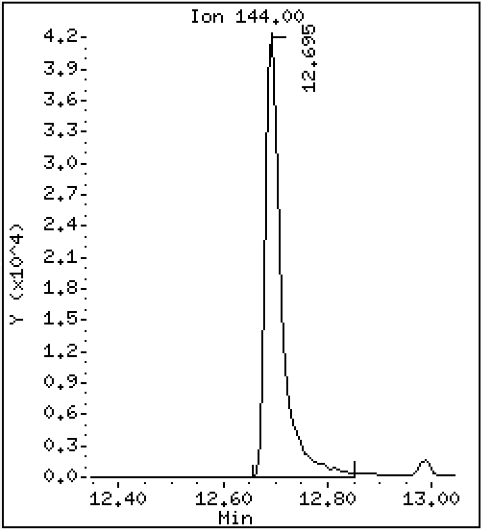


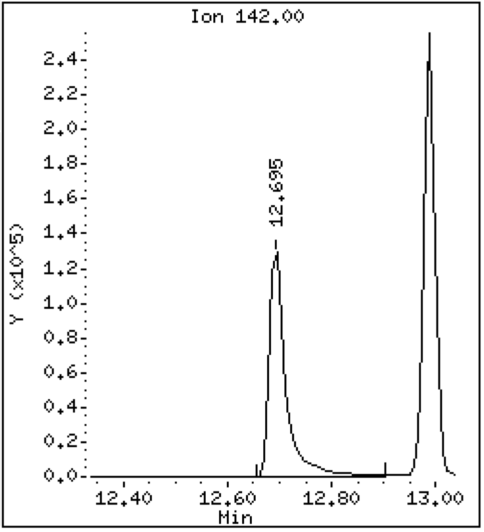












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Date : 07-JAN-2023 07:27

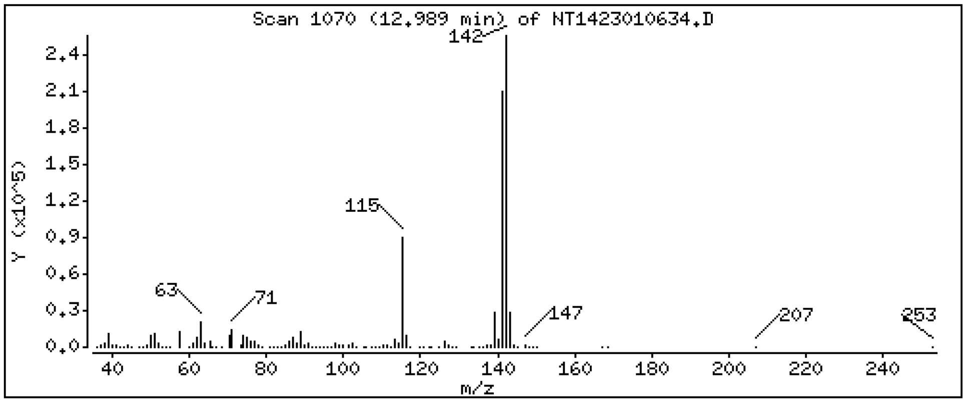
Client ID: Instrument: nt14.i

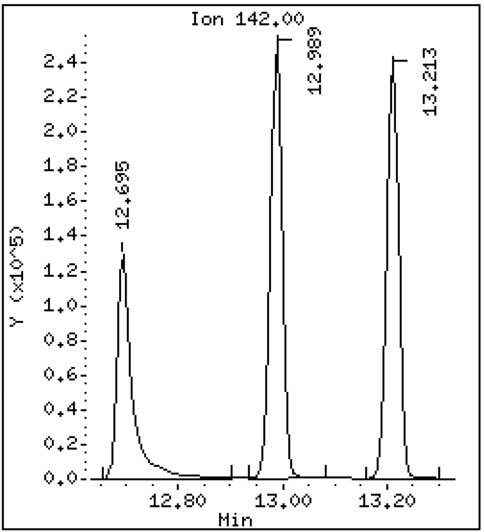
Sample Info: SLA0068-CCV1

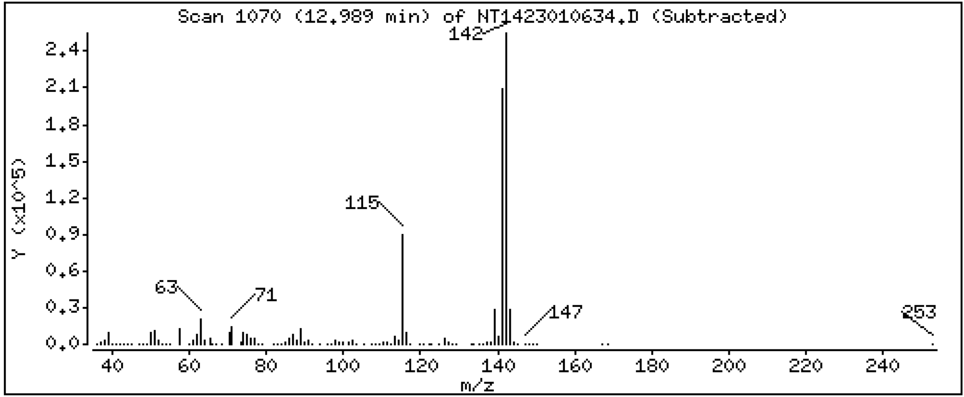
Operator: VTS

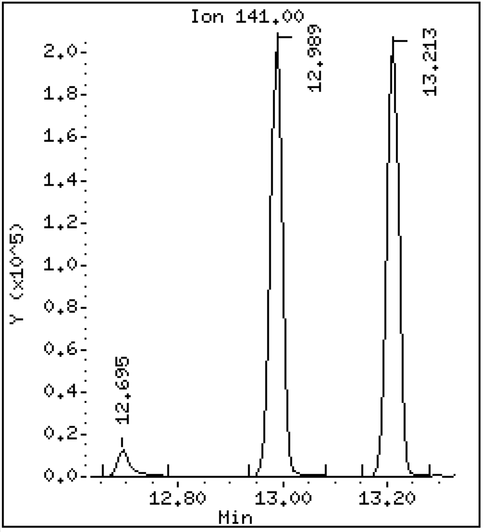
Column phase: ZB-5msi Column diameter: 0.25

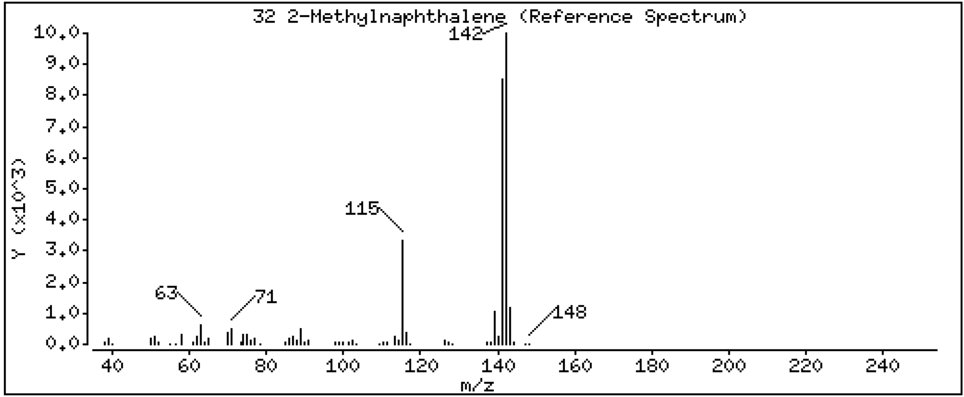
32 2-Methylnaphthalene Concentration: 5.209 ug/mL

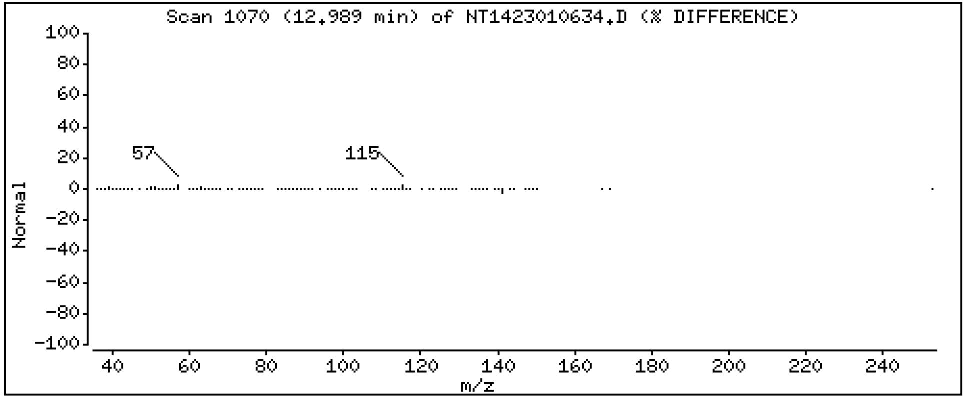












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Date : 07-JAN-2023 07:27

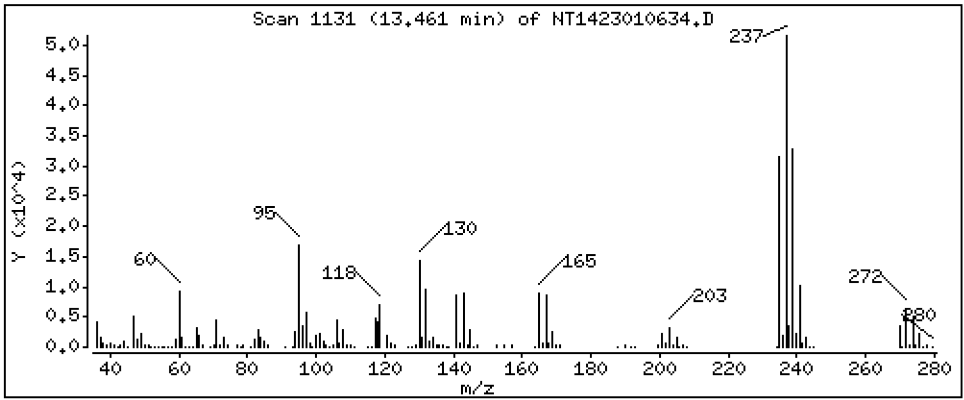
Client ID: Instrument: nt14.i

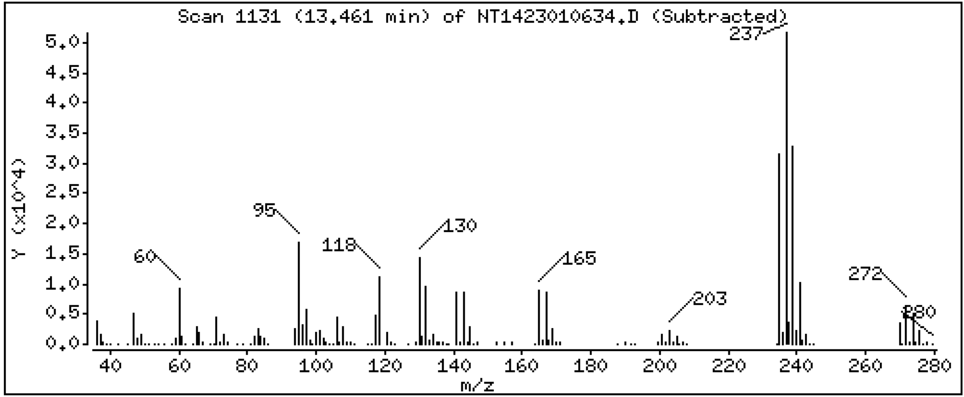
Sample Info: SLA0068-CCV1

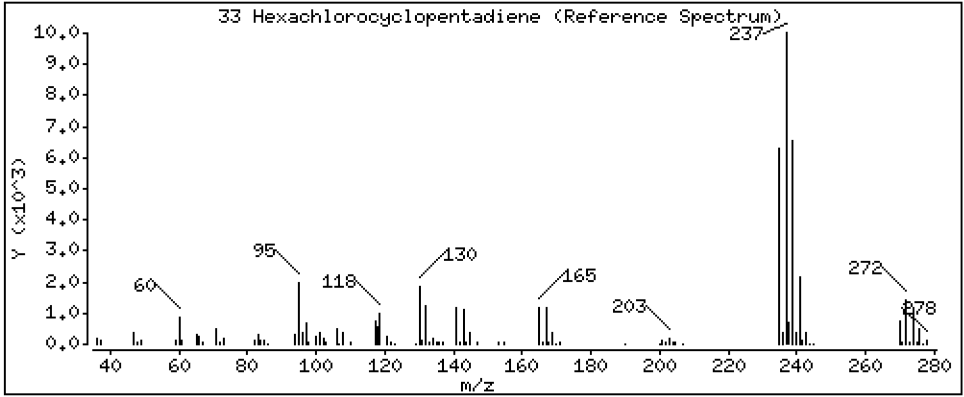
Operator: VTS

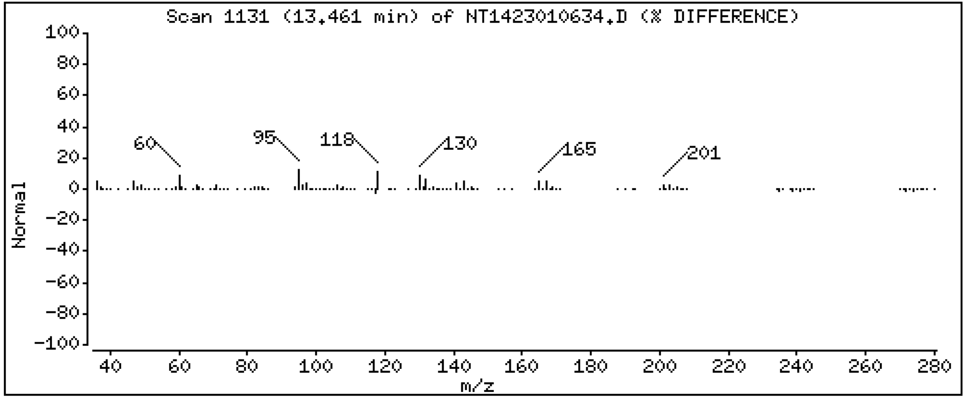
Column phase: ZB-5msi Column diameter: 0.25

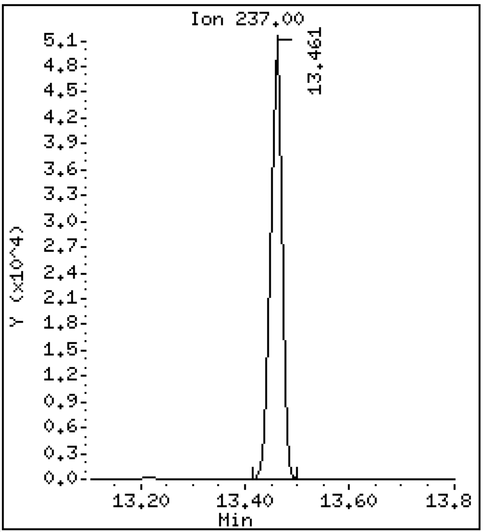
33 Hexachlorocyclopentadiene Concentration: 4.853 ug/mL

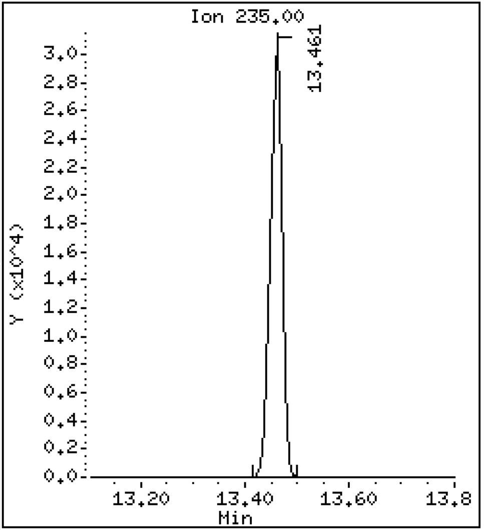


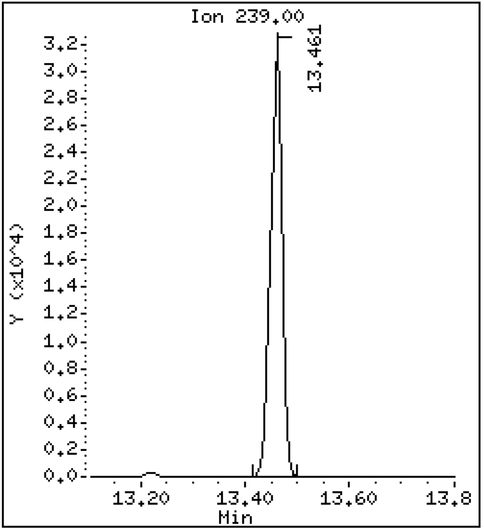












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Date : 07-JAN-2023 07:27

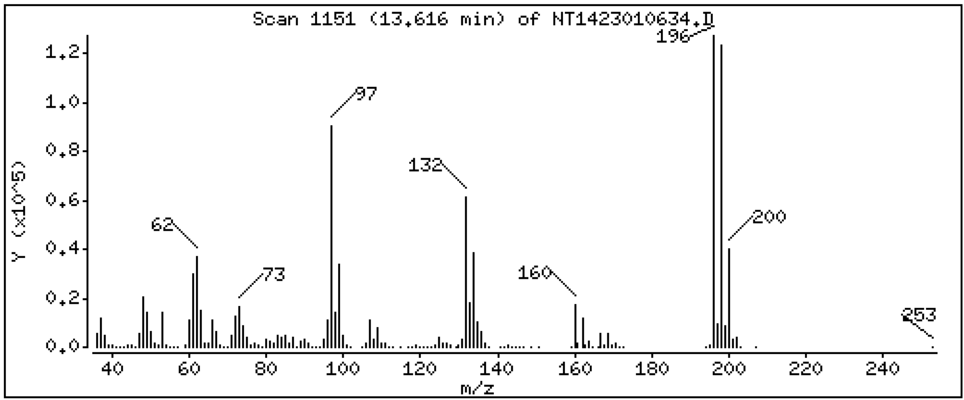
Client ID: Instrument: nt14.i

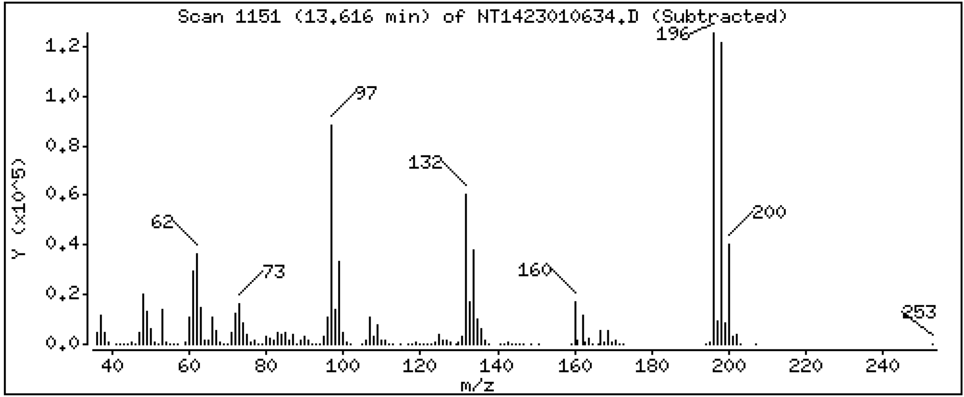
Sample Info: SLA0068-CCV1

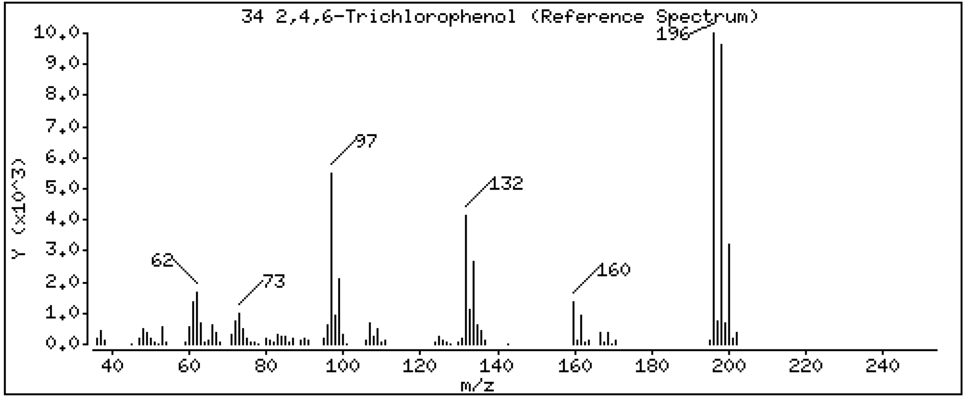
Operator: VTS

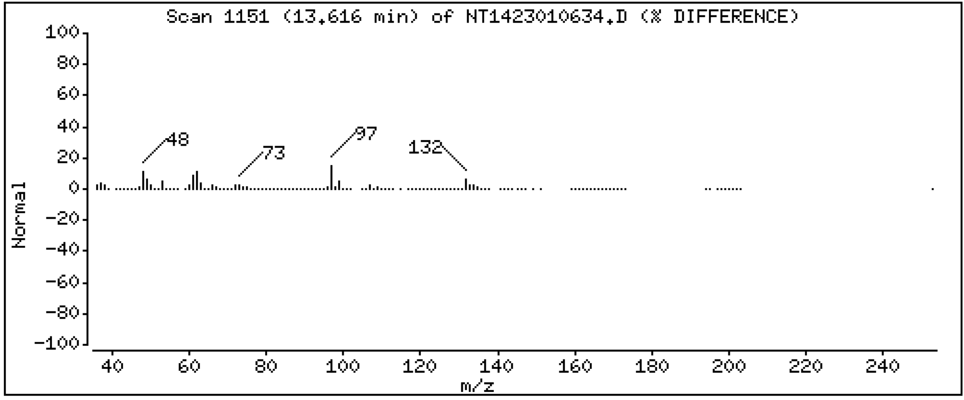
Column phase: ZB-5msi Column diameter: 0.25

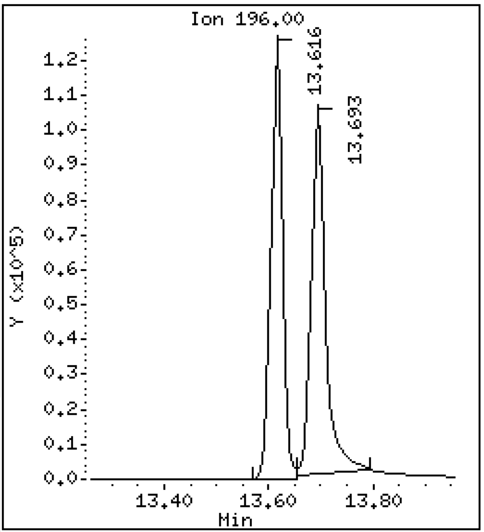
34 2,4,6-Trichlorophenol Concentration: 11.18 ug/mL

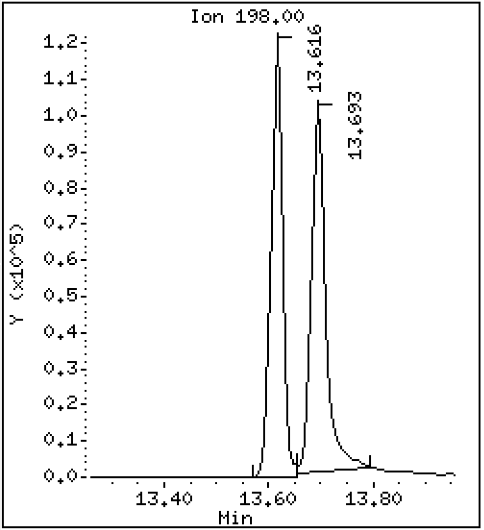

Scan 1151 (13.616 min) of NT1423010634.D

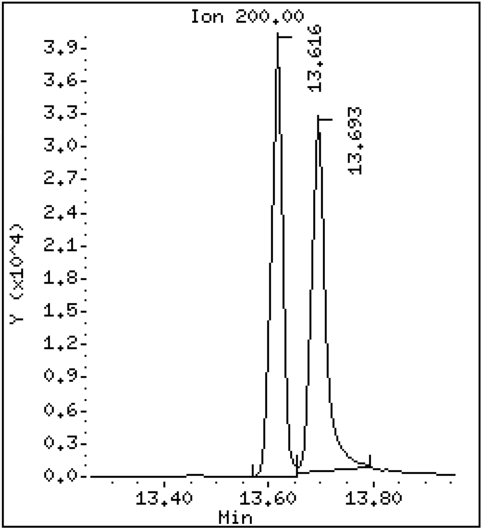

Scan 1151 (13.616 min) of NT1423010634.D (Subtracted)


34 2,4,6-Trichlorophenol (Reference Spectrum)


Scan 1151 (13.616 min) of NT1423010634.D (% DIFFERENCE)


Ion 196.00


Ion 198.00


Ion 200.00

Data File: \\target\share\chem3\nt14.i\20230106.b\NT1423010634.D

Date : 07-JAN-2023 07:27

Client ID:

Instrument: nt14.i

Sample Info: SLA0068-CCV1

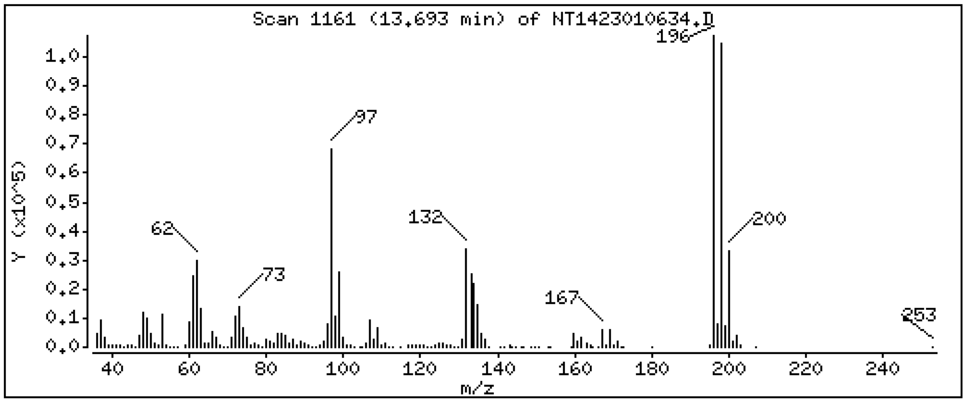
Operator: VTS

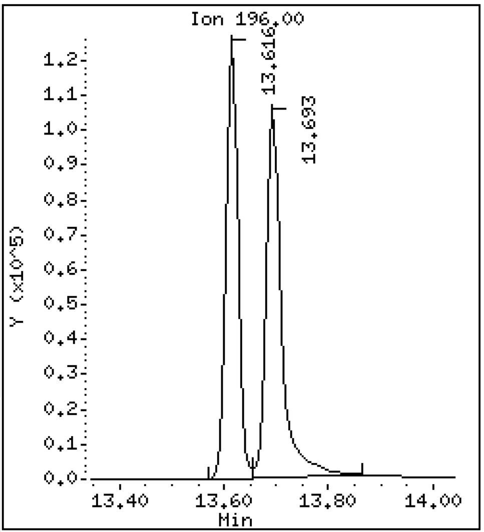
Column phase: ZB-5msi

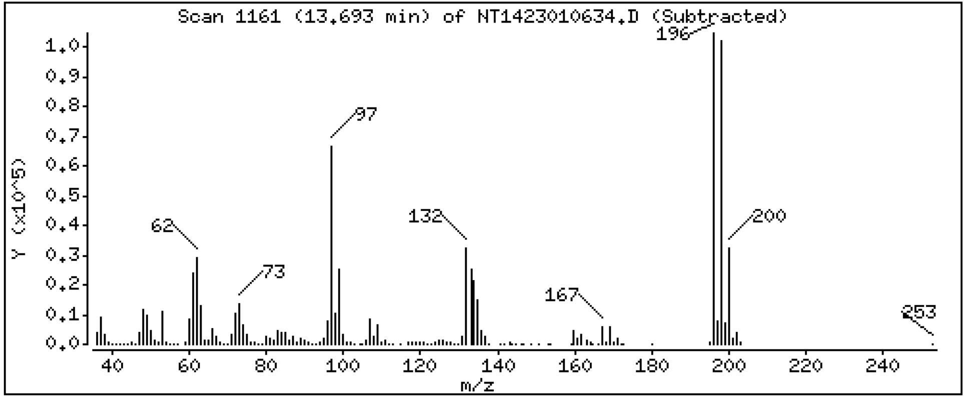
Column diameter: 0.25

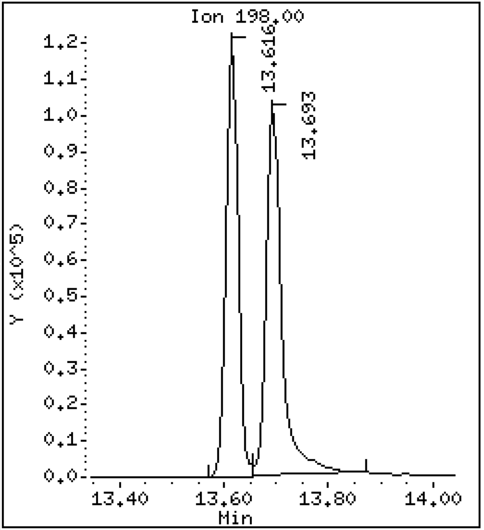
35 2,4,5-Trichlorophenol

Concentration: 10.66 ug/mL


Scan 1161 (13.693 min) of NT1423010634.D


Ion 196.00


Scan 1161 (13.693 min) of NT1423010634.D (Subtracted)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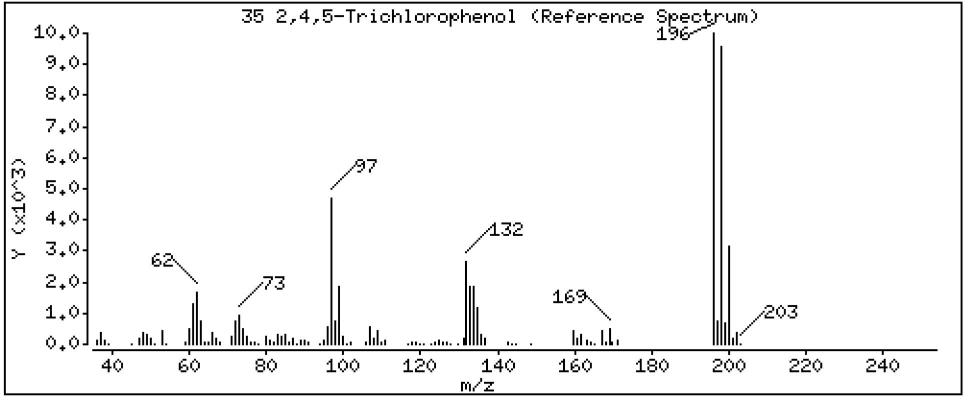
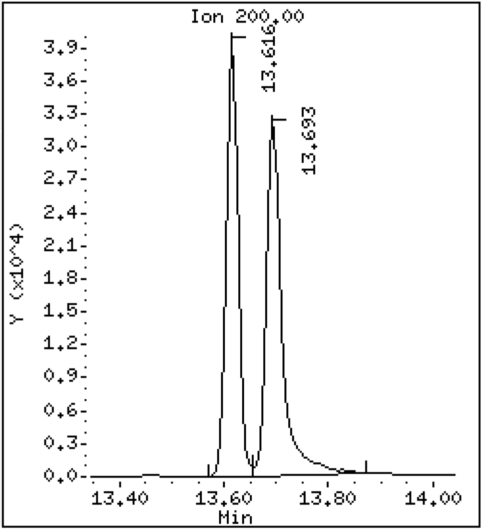
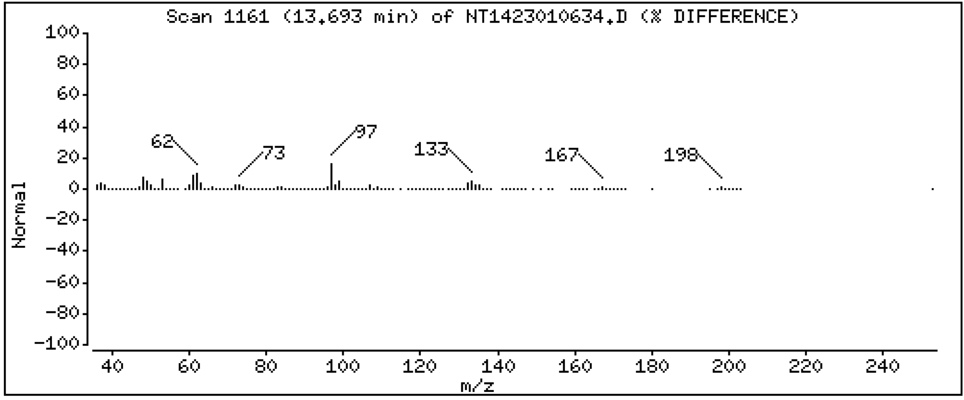

35 2,4,5-Trichlorophenol (Reference Spectrum)


Ion 200.00


Scan 1161 (13.693 min) of NT1423010634.D (% DIFFERENCE)

Data File: \\target\share\chem3\nt14.i\20230106.b\NT1423010634.D

Date : 07-JAN-2023 07:27

Client ID:

Instrument: nt14.i

Sample Info: SLA0068-CCV1

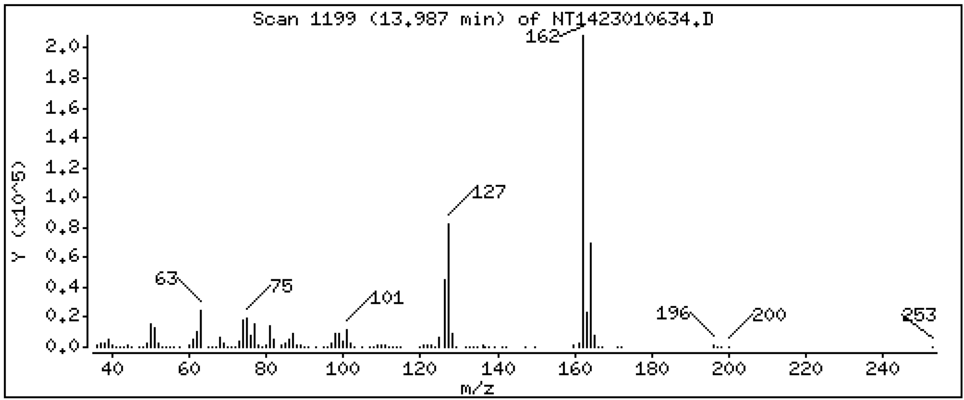
Operator: VTS

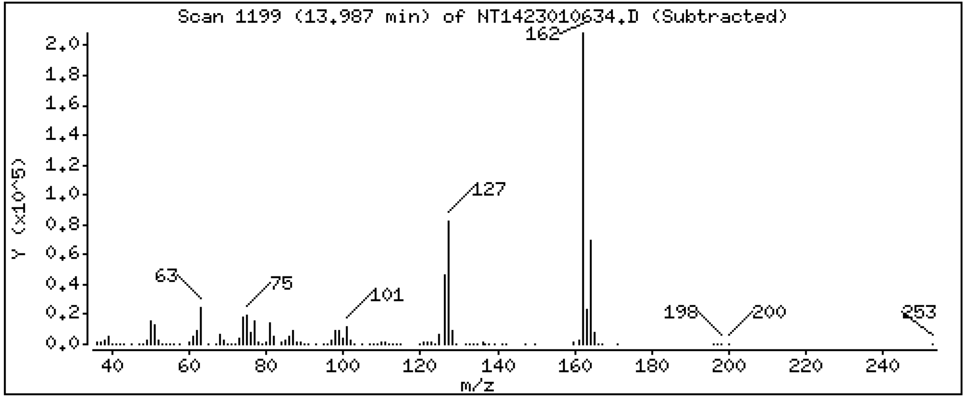
Column phase: ZB-5msi

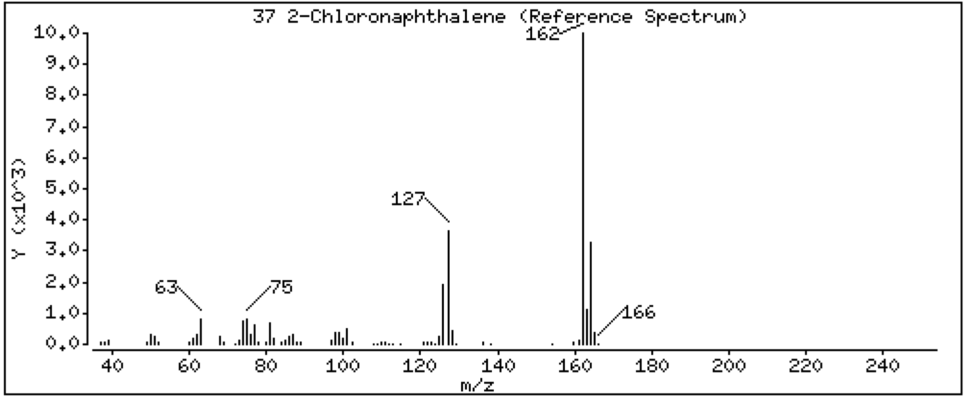
Column diameter: 0.25

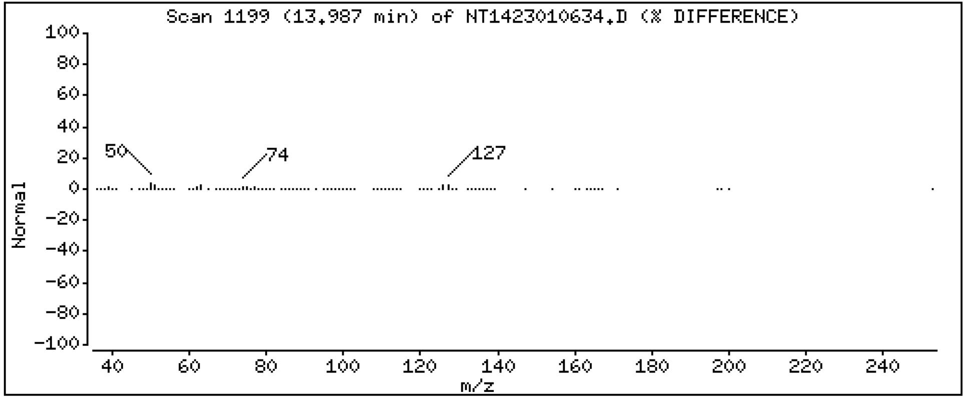
37 2-Chloronaphthalene

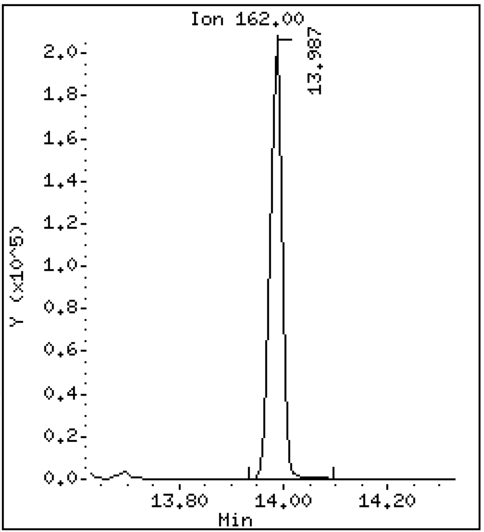
Concentration: 5.491 ug/mL

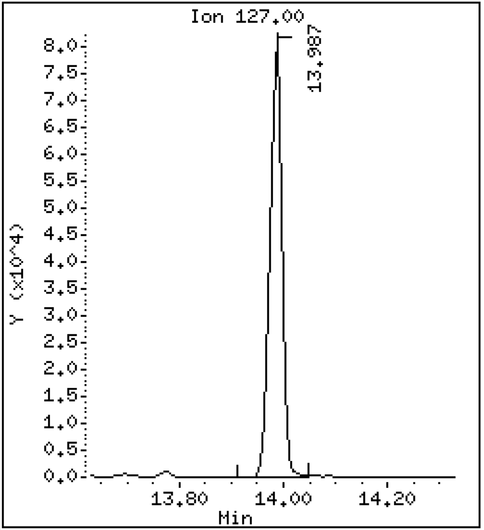


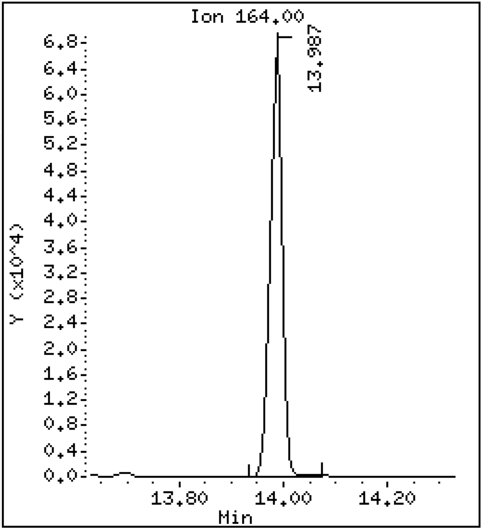












Data File: \\target\share\chem3\nt14.i\20230106.b\NT1423010634.D

Date : 07-JAN-2023 07:27

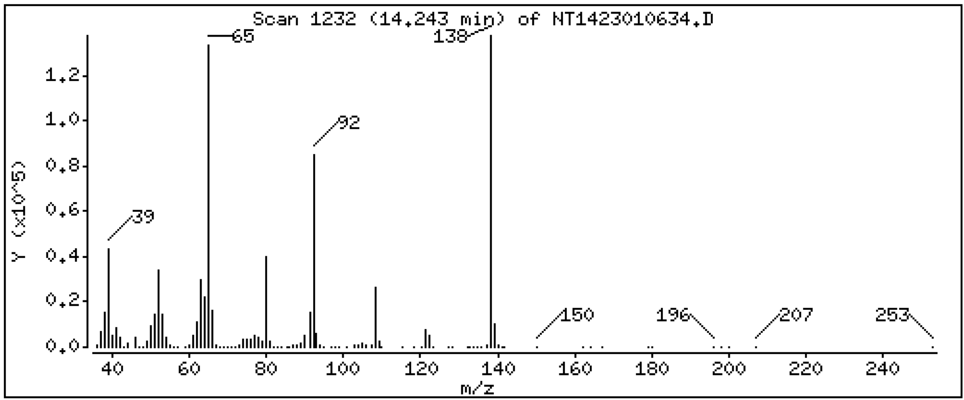
Client ID: Instrument: nt14.i

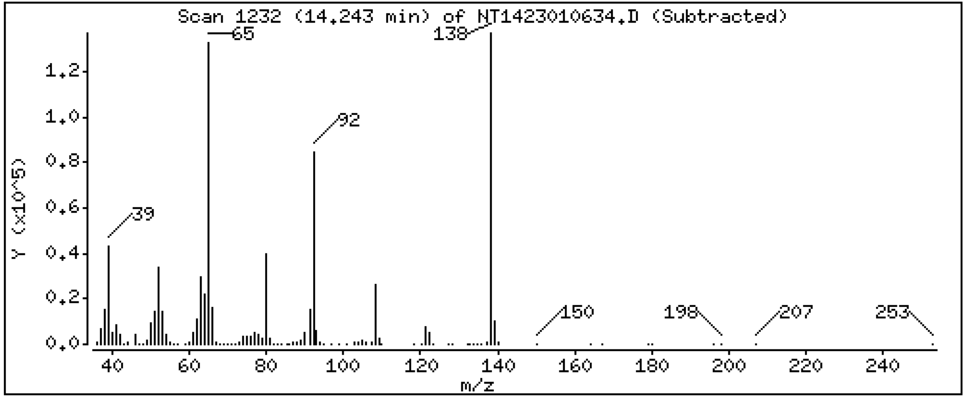
Sample Info: SLA0068-CCV1

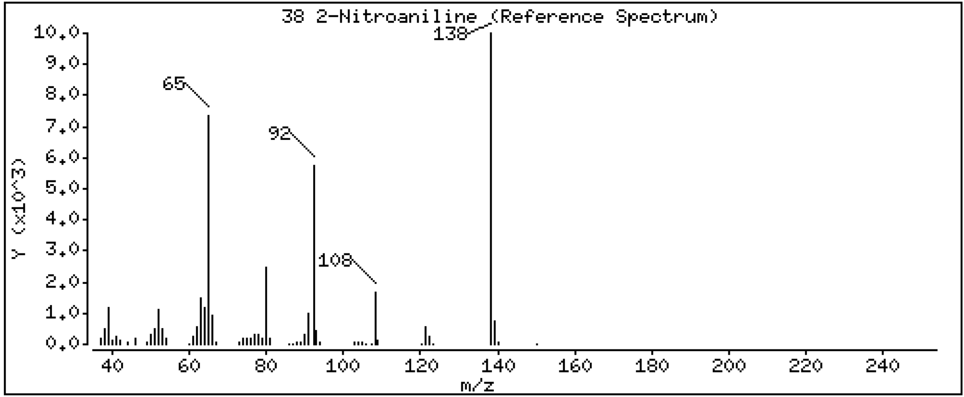
Operator: VTS

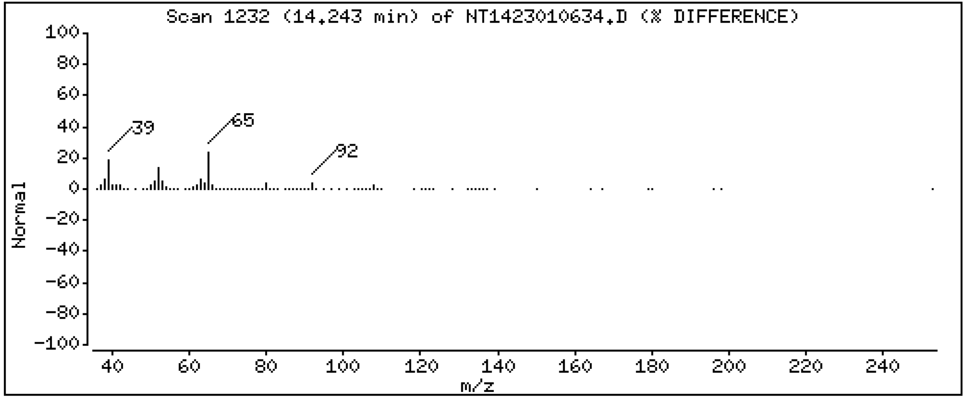
Column phase: ZB-5msi Column diameter: 0.25

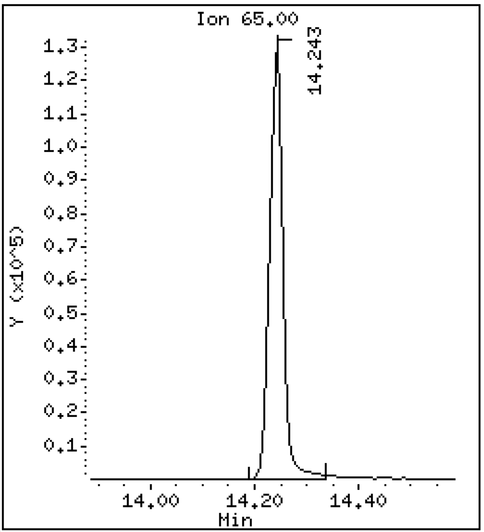
38 2-Nitroaniline Concentration: 14.61 ug/mL

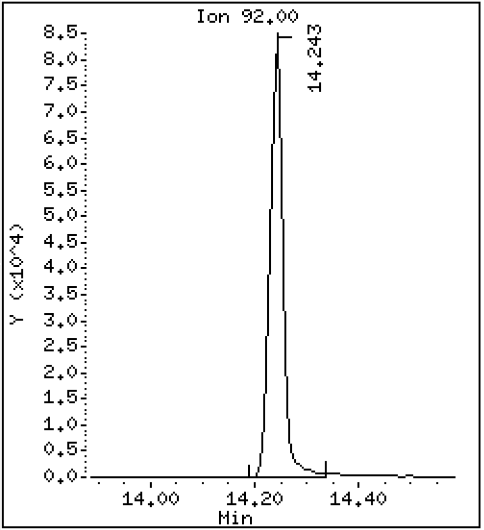

Scan 1232 (14.243 min) of NT1423010634.D

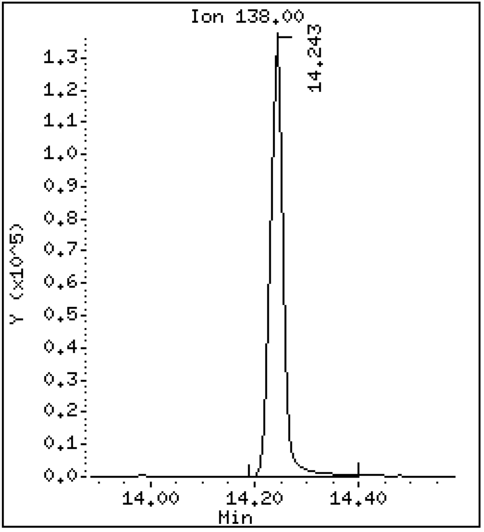

Scan 1232 (14.243 min) of NT1423010634.D (Subtracted)


38 2-Nitroaniline (Reference Spectrum)


Scan 1232 (14.243 min) of NT1423010634.D (% DIFFERENCE)


Ion 65.00


Ion 92.00


Ion 138.00

Data File: \\target\share\chem3\nt14.i\20230106.b\NT1423010634.D

Date : 07-JAN-2023 07:27

Client ID: Instrument: nt14.i

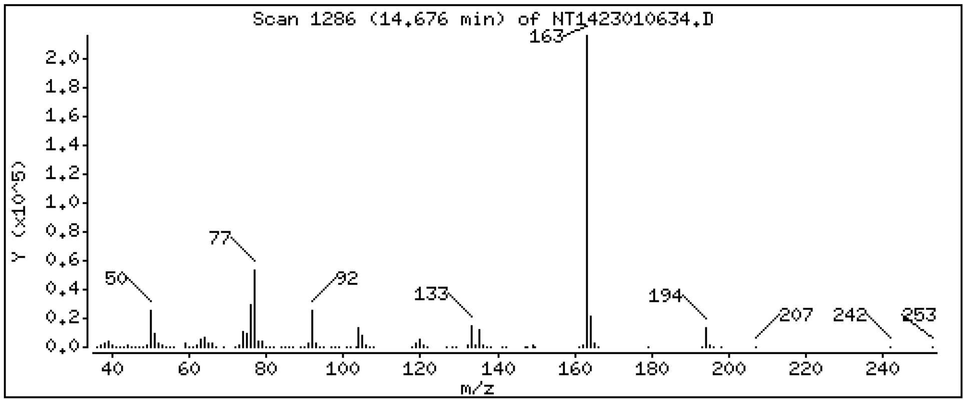
Sample Info: SLA0068-CCV1

Operator: VTS

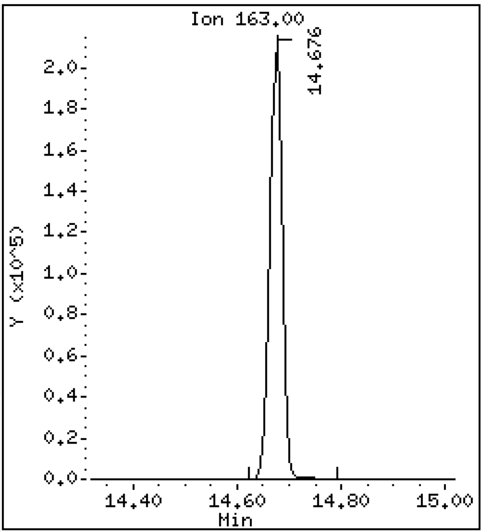
Column phase: ZB-5msi Column diameter: 0.25

39 Dimethylphthalate Concentration: 5.818 ug/mL

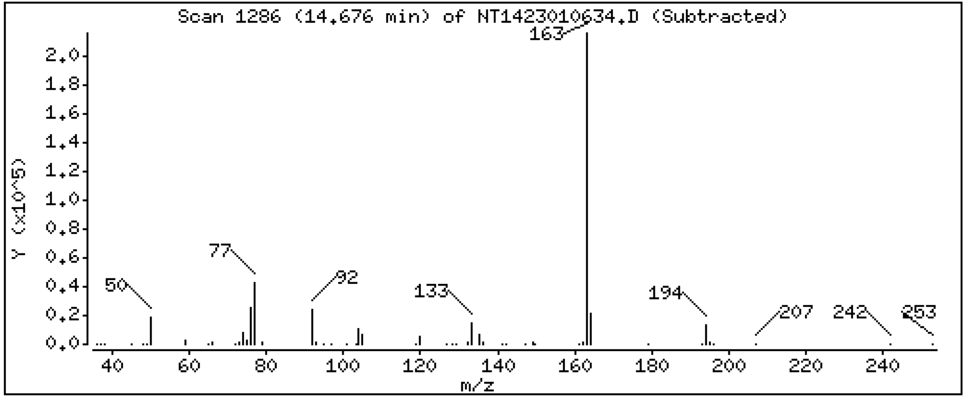
Scan 1286 (14.676 min) of NT1423010634.D



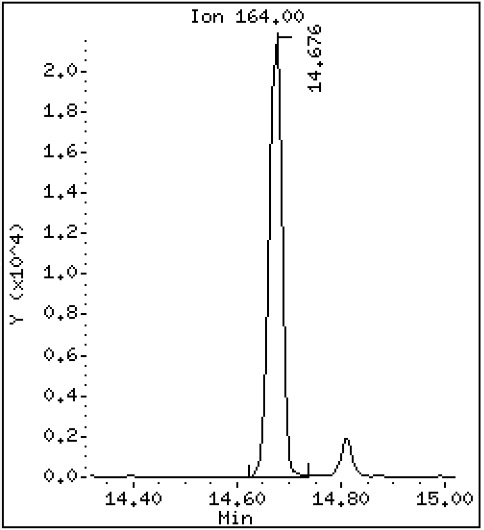
Ion 163.00



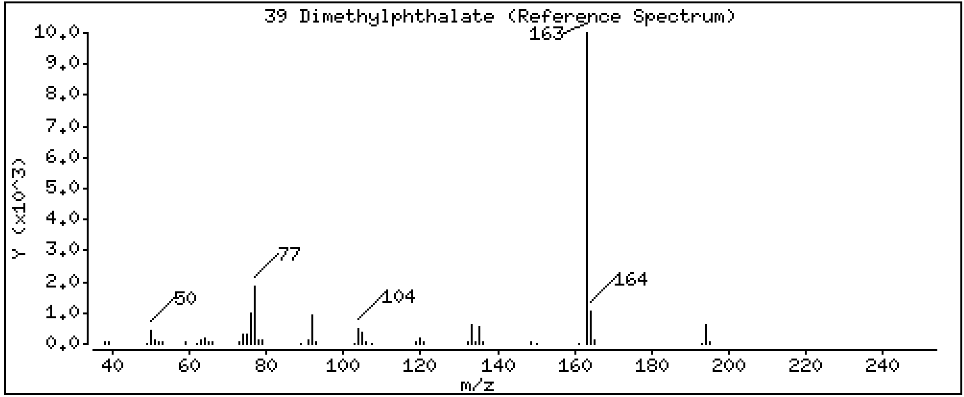
Scan 1286 (14.676 min) of NT1423010634.D (Subtracted)



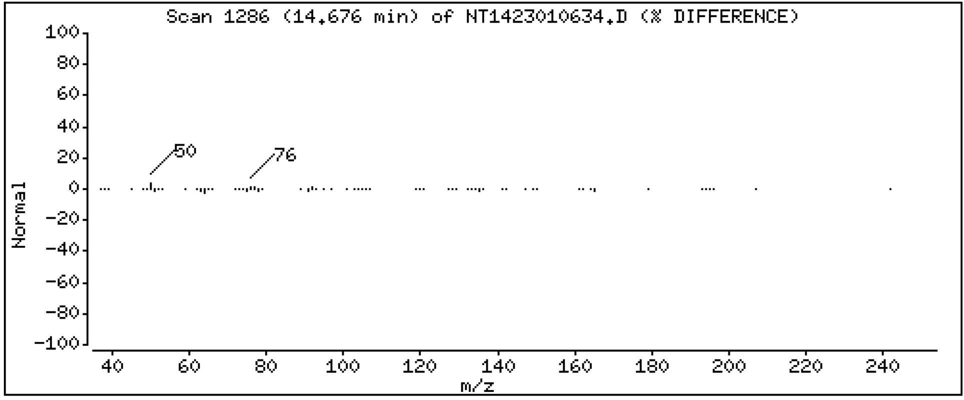
Ion 164.00



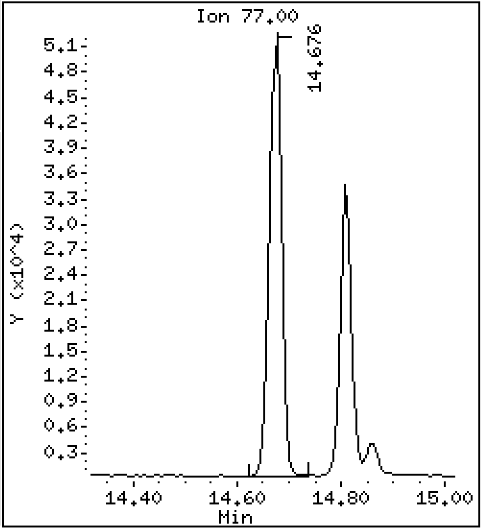
39 Dimethylphthalate (Reference Spectrum)



Scan 1286 (14.676 min) of NT1423010634.D (% DIFFERENCE)



Ion 77.00



Data File: \\target\share\chem3\nt14.i\20230106.b\NT1423010634.D

Date : 07-JAN-2023 07:27

Client ID:

Instrument: nt14.i

Sample Info: SLA0068-CCV1

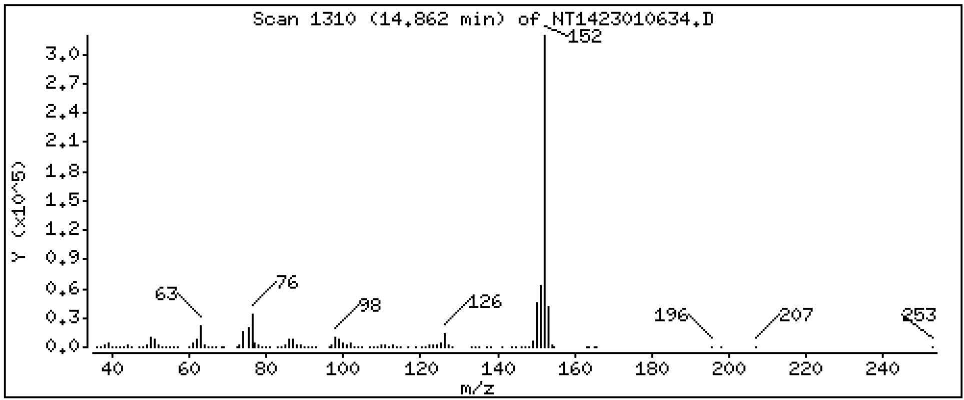
Operator: VTS

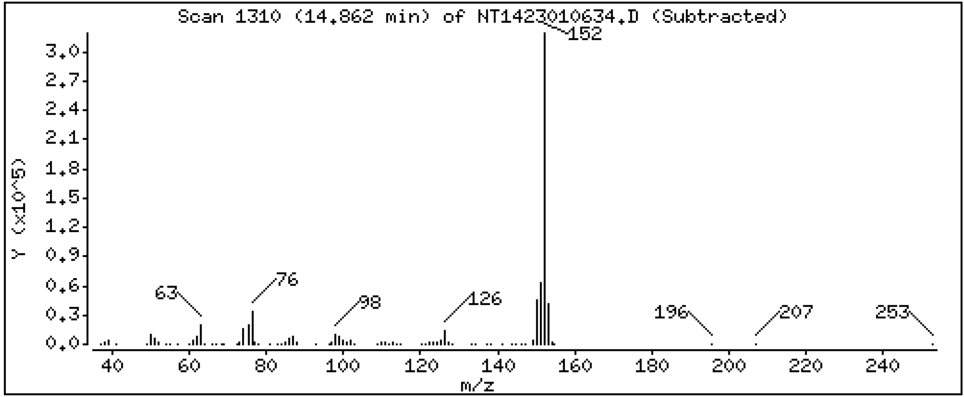
Column phase: ZB-5msi

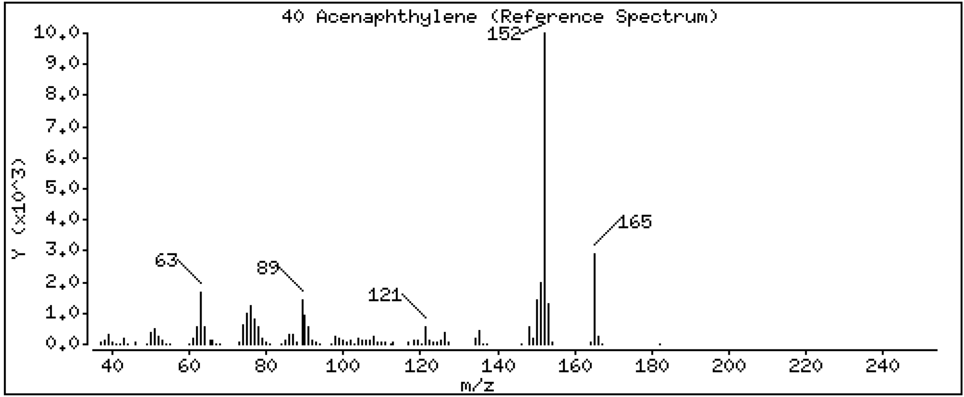
Column diameter: 0.25

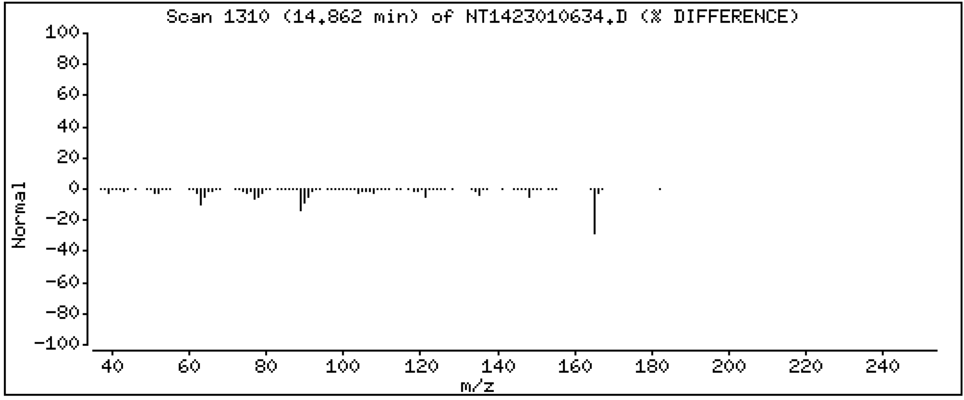
40 Acenaphthylene

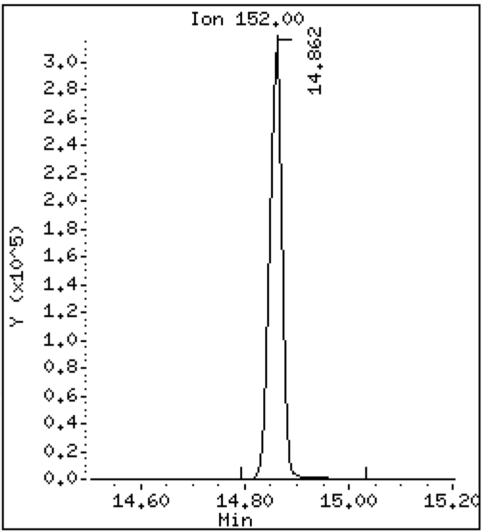
Concentration: 6.043 ug/mL

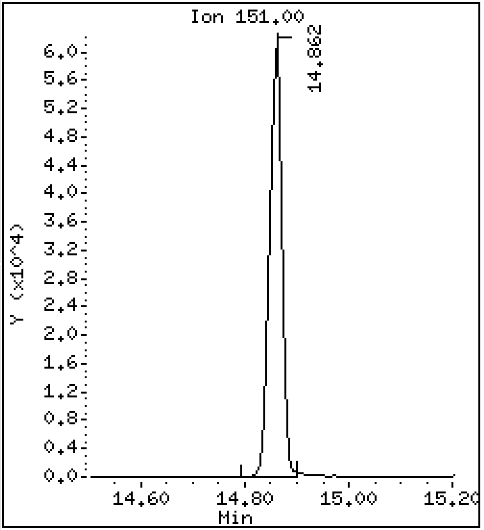


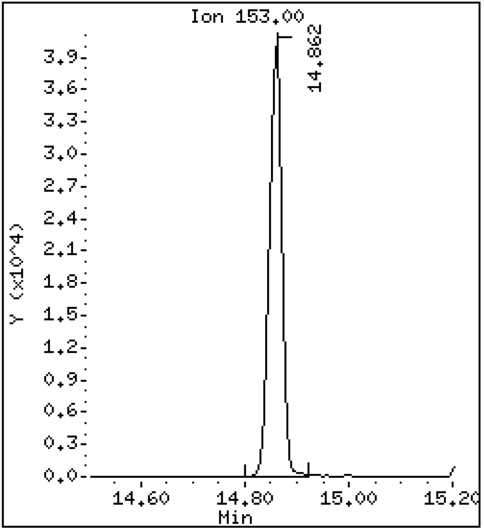












Data File: \\target\share\chem3\nt14.i\20230106.b\NT1423010634.D

Date : 07-JAN-2023 07:27

Client ID:

Instrument: nt14.i

Sample Info: SLA0068-CCV1

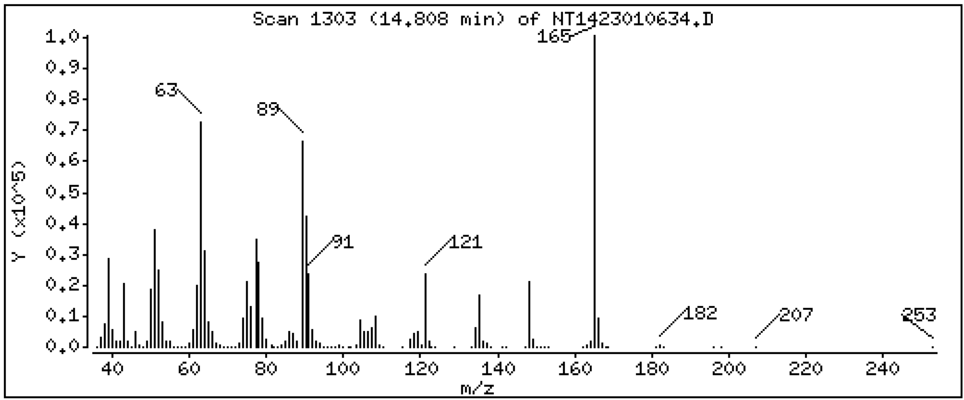
Operator: VTS

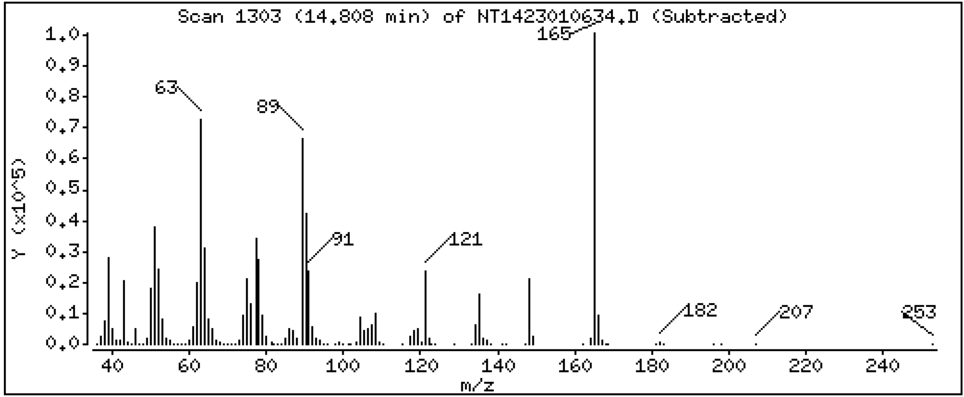
Column phase: ZB-5msi

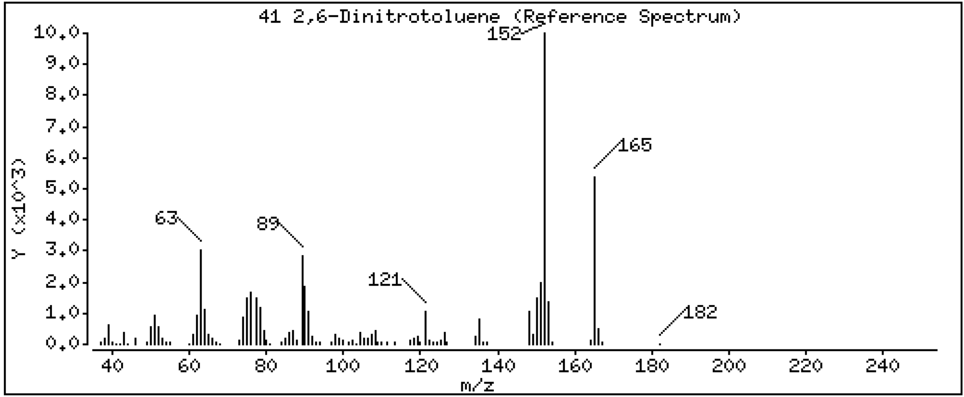
Column diameter: 0.25

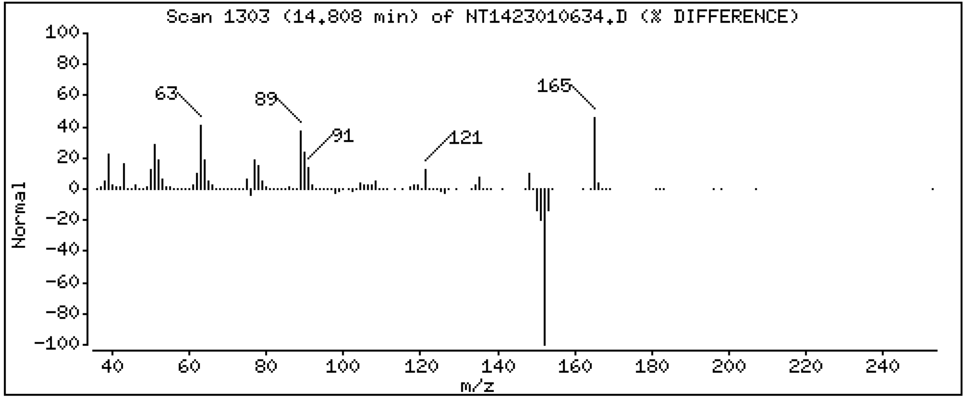
41 2,6-Dinitrotoluene

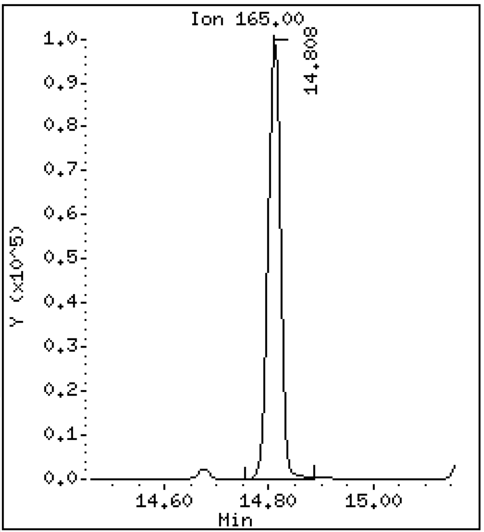
Concentration: 12.18 ug/mL

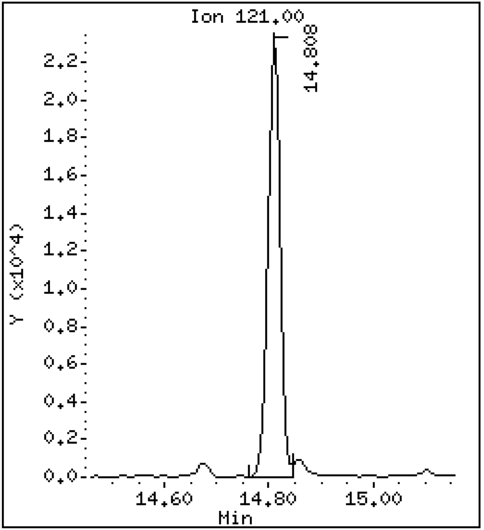

Scan 1303 (14.808 min) of NT1423010634.D

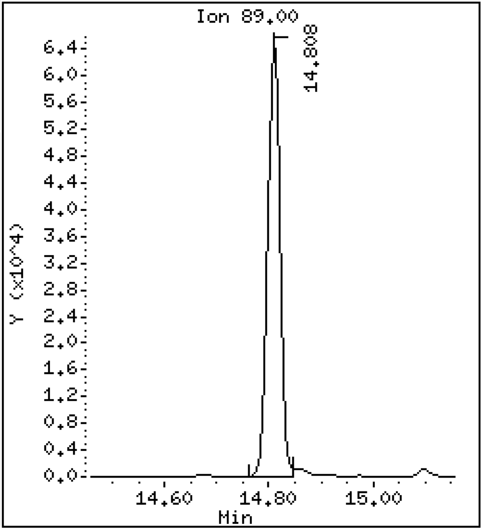

Scan 1303 (14.808 min) of NT1423010634.D (Subtracted)


41 2,6-Dinitrotoluene (Reference Spectrum)


Scan 1303 (14.808 min) of NT1423010634.D (% DIFFERENCE)


Ion 165.00


Ion 121.00


Ion 89.00

Data File: \\target\share\chem3\nt14.i\20230106.b\NT1423010634.D

Date : 07-JAN-2023 07:27

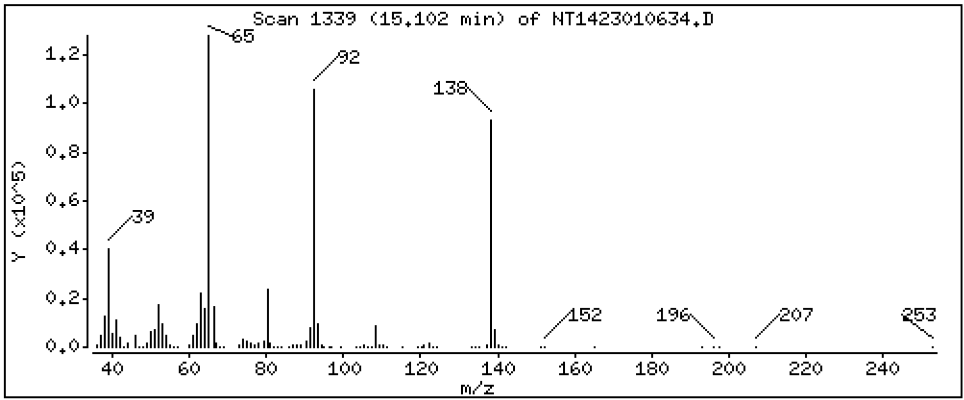
Client ID: Instrument: nt14.i

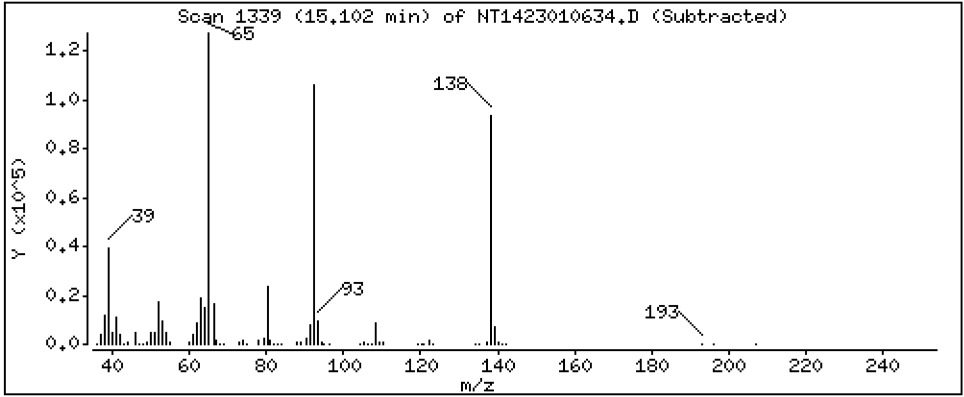
Sample Info: SLA0068-CCV1

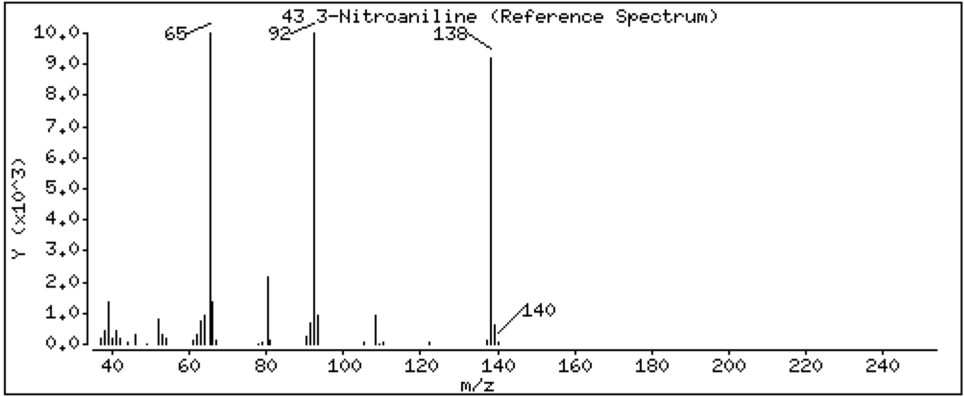
Operator: VTS

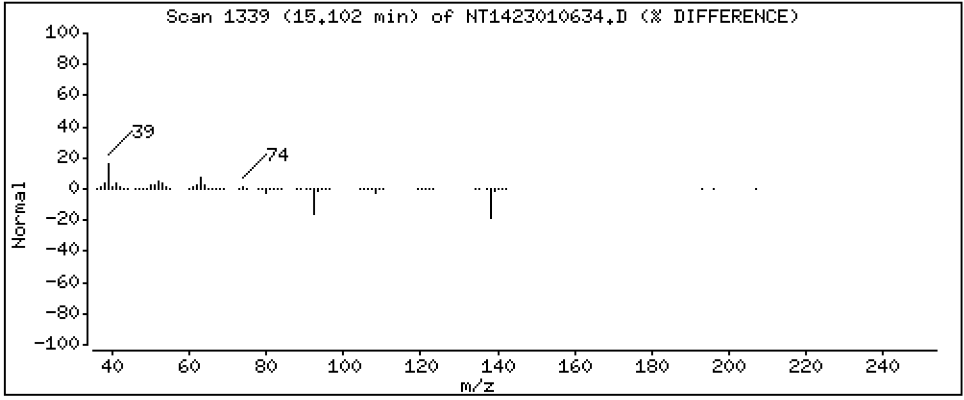
Column phase: ZB-5msi Column diameter: 0.25

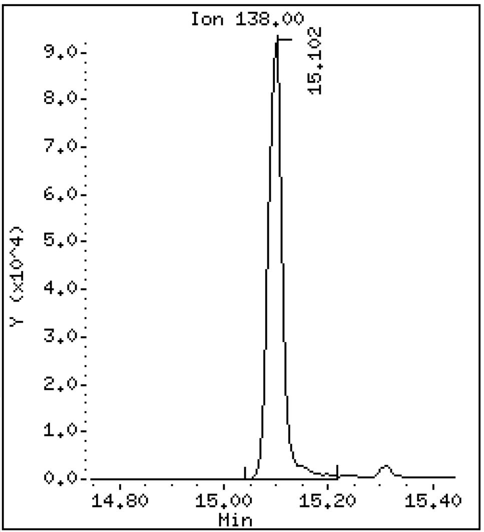
43 3-Nitroaniline Concentration: 10.68 ug/mL

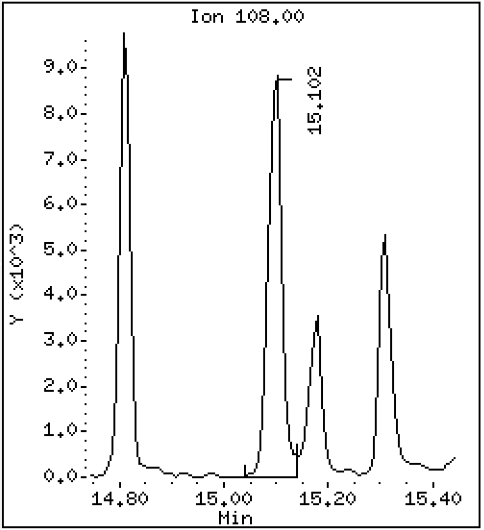


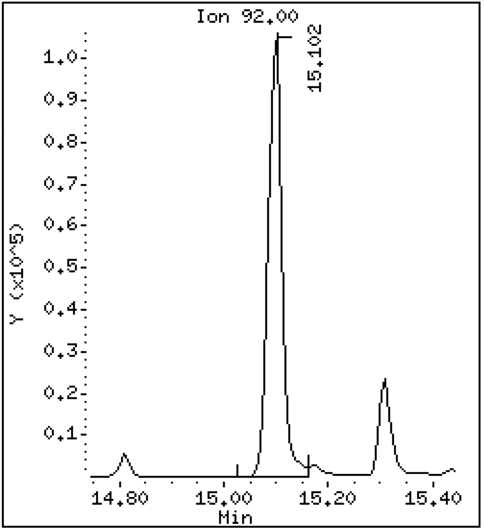












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Date : 07-JAN-2023 07:27

Client ID:

Instrument: nt14.i

Sample Info: SLA0068-CCV1

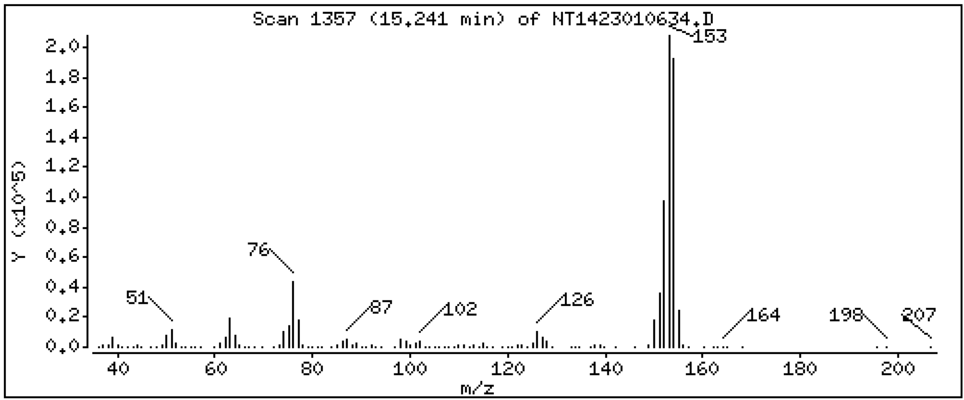
Operator: VTS

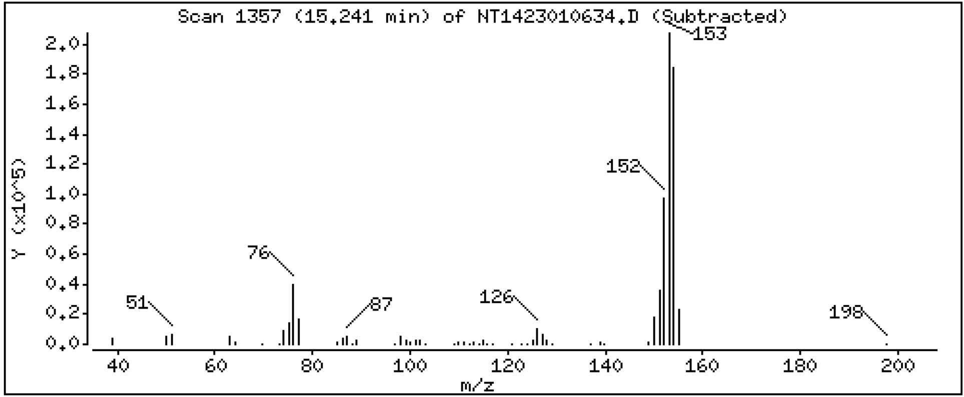
Column phase: ZB-5msi

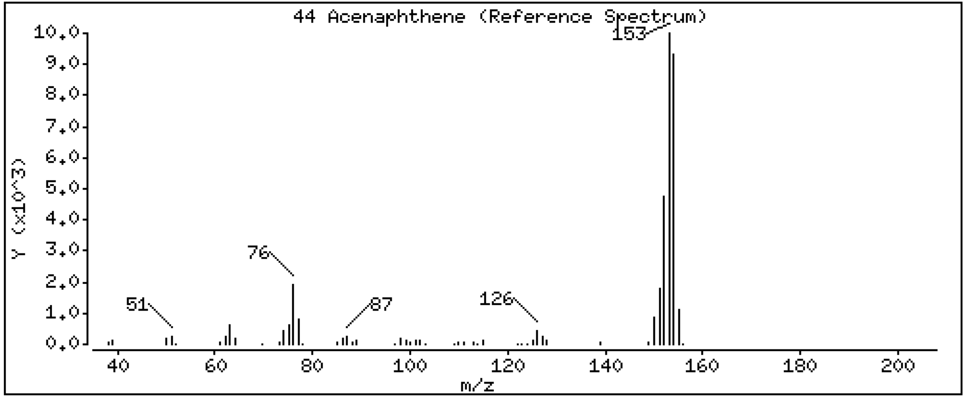
Column diameter: 0.25

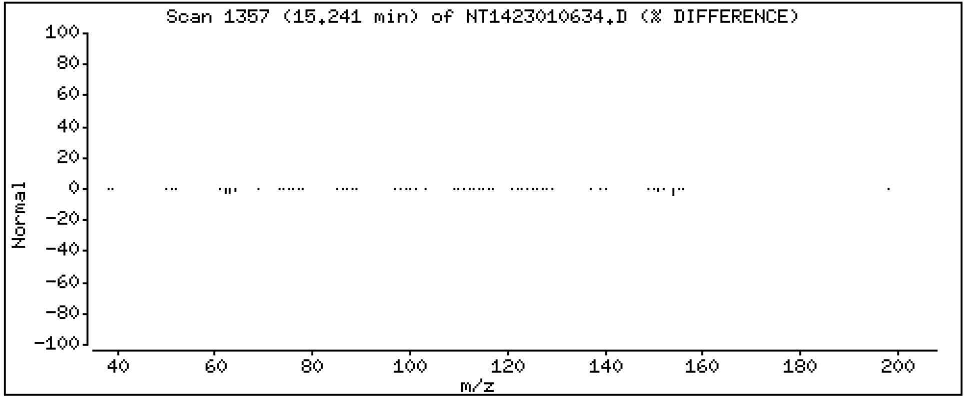
44 Acenaphthene

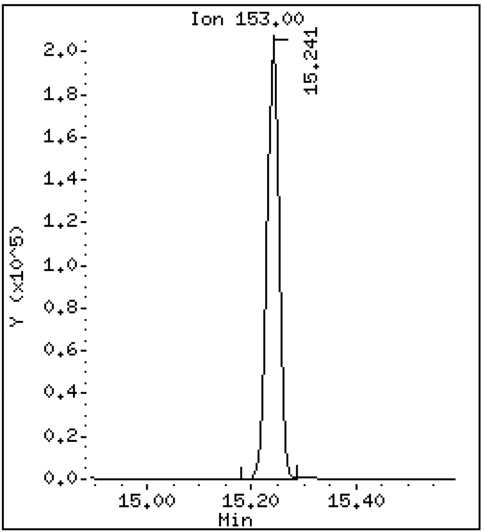
Concentration: 5.674 ug/mL

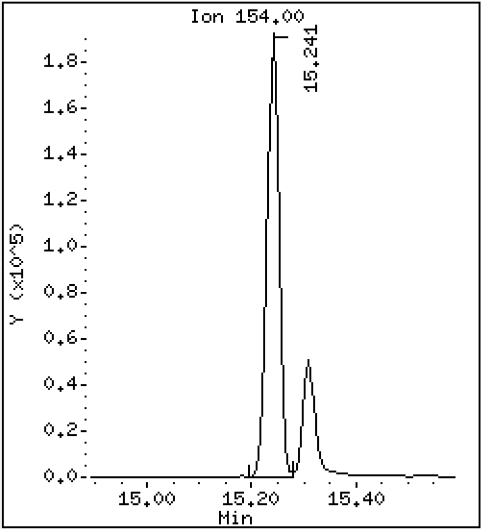


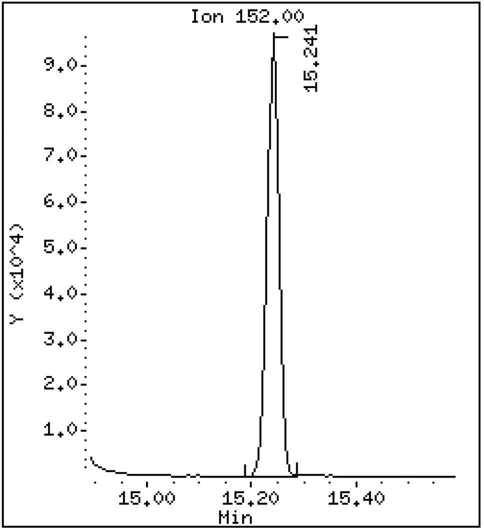












Data File: \\target\share\chem3\nt14.i\20230106.b\NT1423010634.D

Date : 07-JAN-2023 07:27

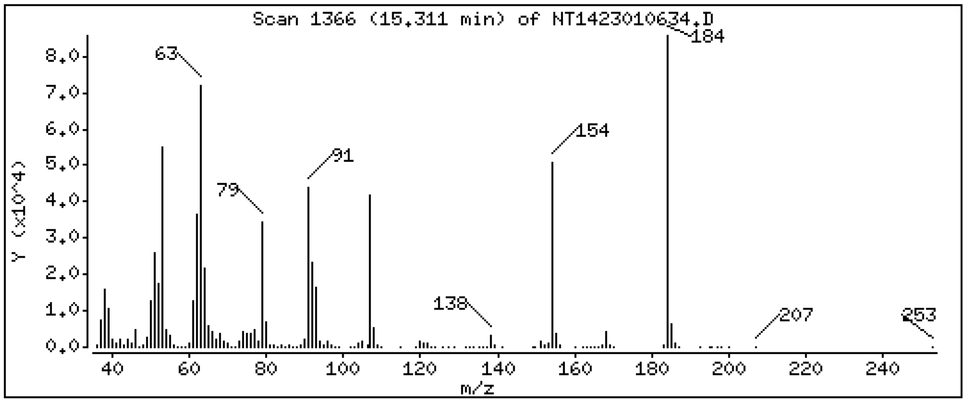
Client ID: Instrument: nt14.i

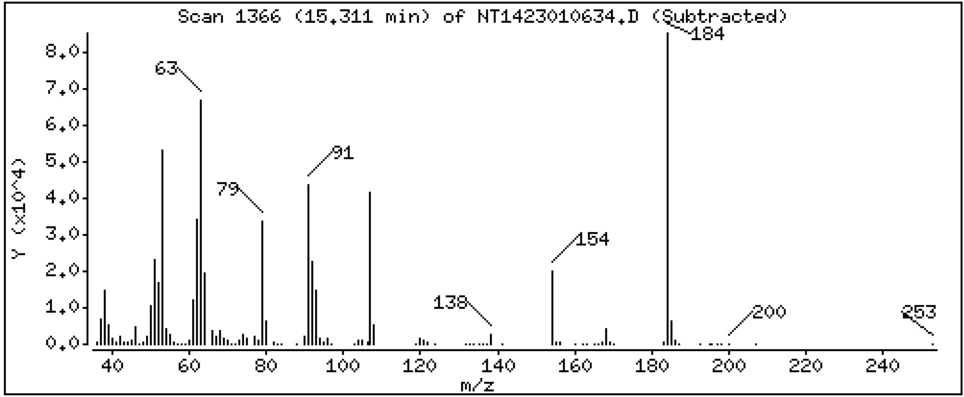
Sample Info: SLA0068-CCV1

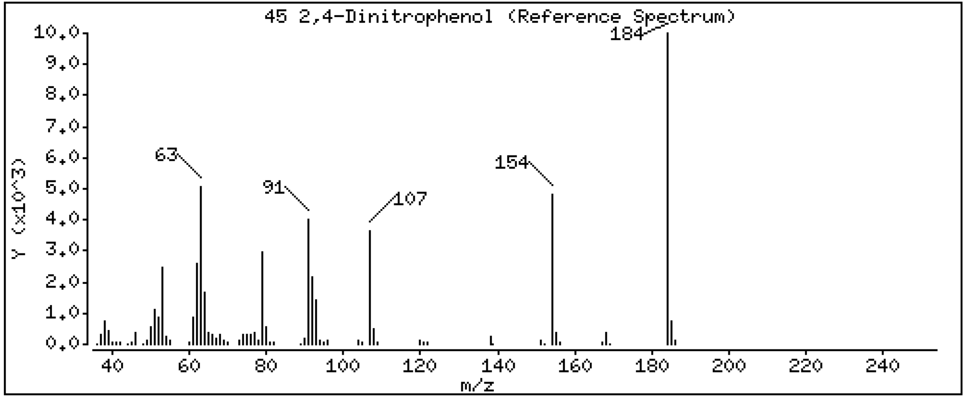
Operator: VTS

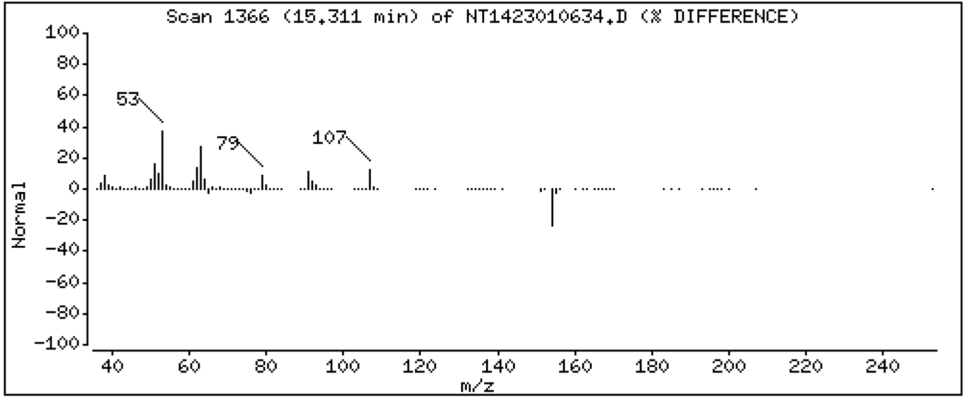
Column phase: ZB-5msi Column diameter: 0.25

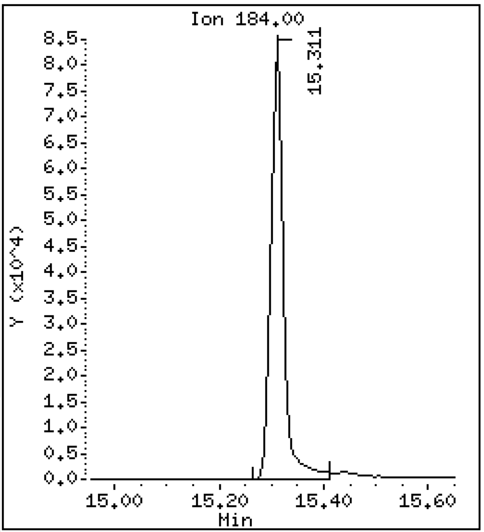
45 2,4-Dinitrophenol Concentration: 12.24 ug/mL

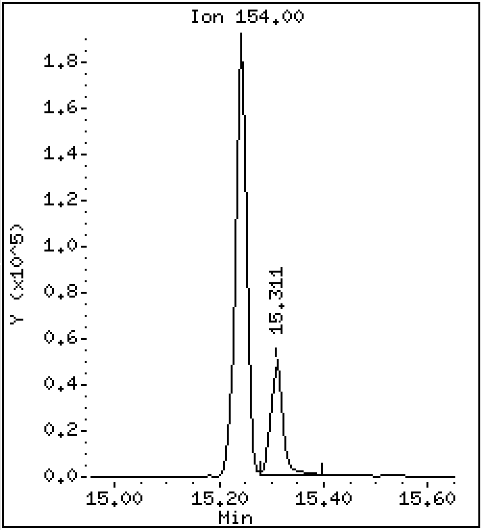

Scan 1366 (15.311 min) of NT1423010634.D

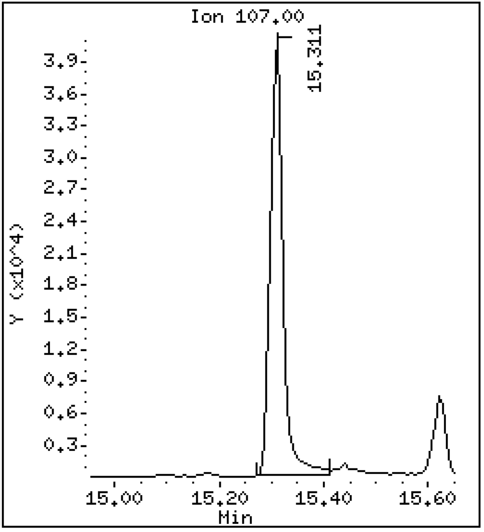

Scan 1366 (15.311 min) of NT1423010634.D (Subtracted)


45 2,4-Dinitrophenol (Reference Spectrum)


Scan 1366 (15.311 min) of NT1423010634.D (% DIFFERENCE)


Ion 184.00


Ion 154.00


Ion 107.00

Date : 07-JAN-2023 07:27

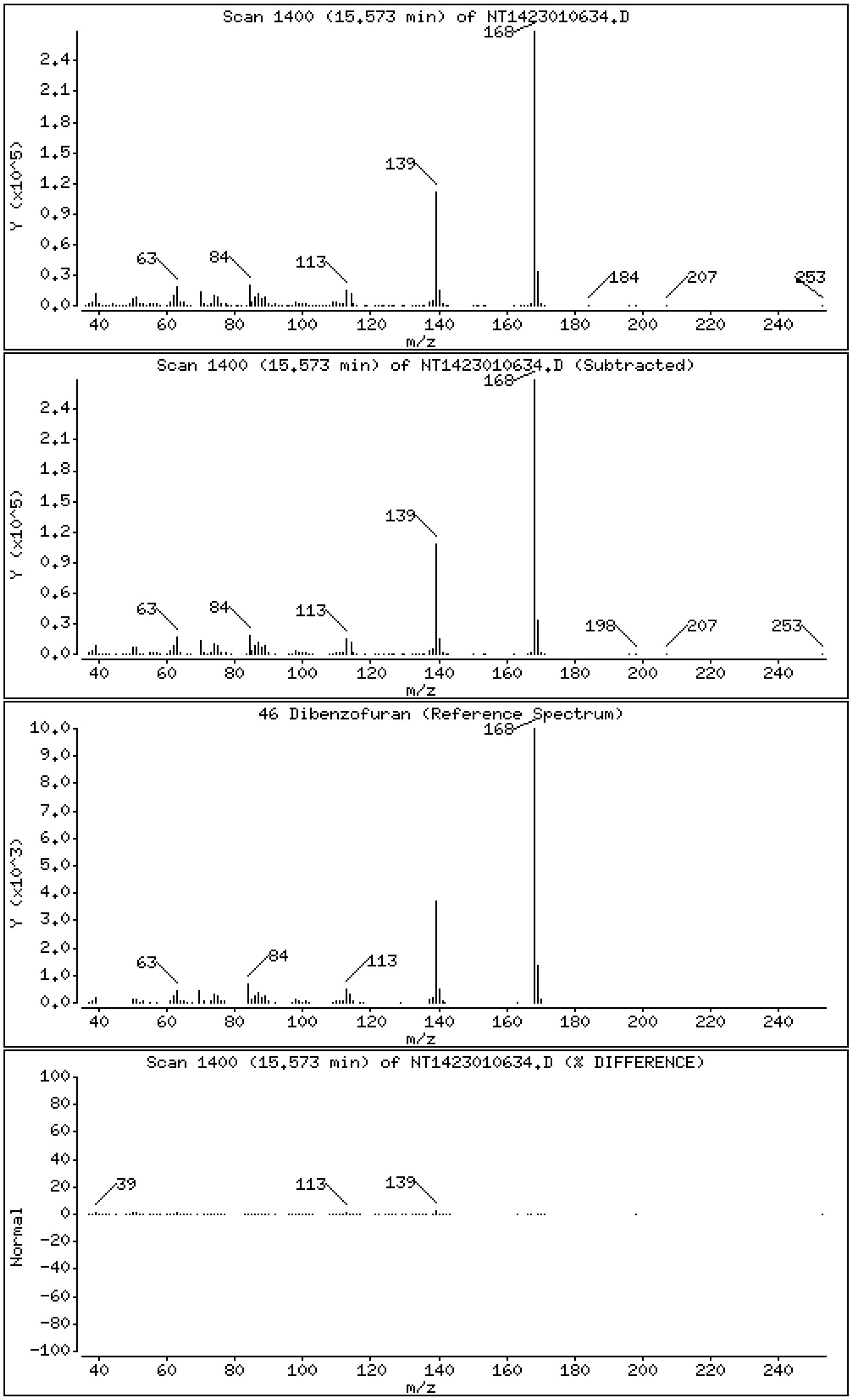
Client ID: Instrument: nt14.i

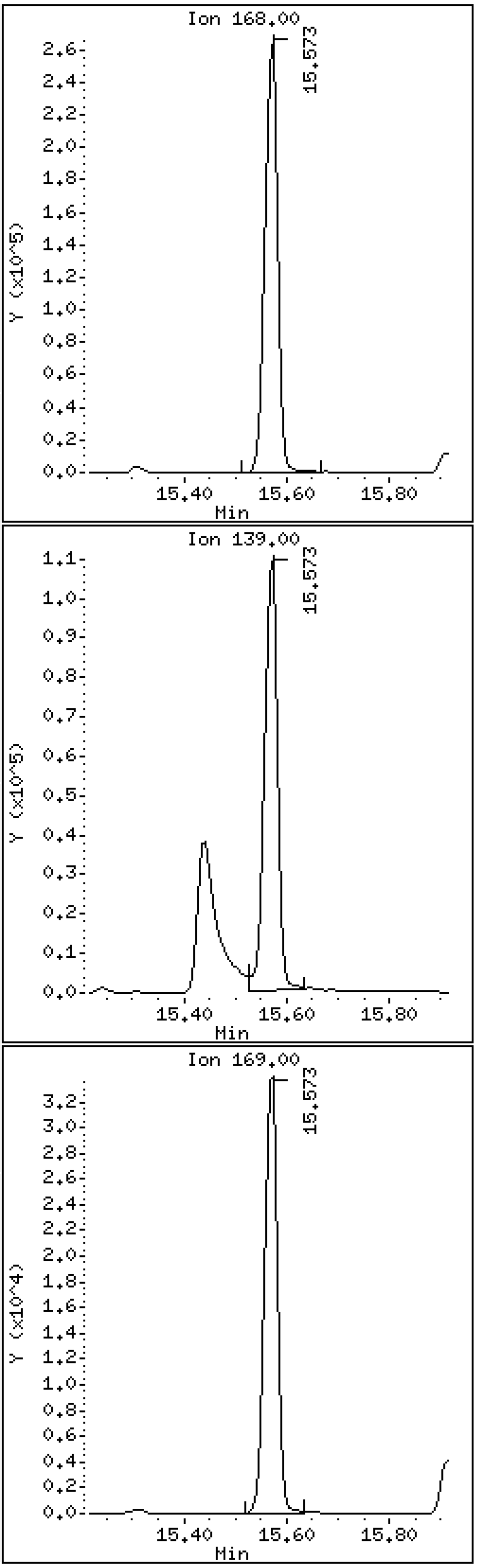
Sample Info: SLA0068-CCV1

Operator: VTS

Column phase: ZB-5msi Column diameter: 0.25

46 Dibenzofuran Concentration: 5.285 ug/mL





Data File: \\target\share\chem3\nt14.i\20230106.b\NT1423010634.D

Date : 07-JAN-2023 07:27

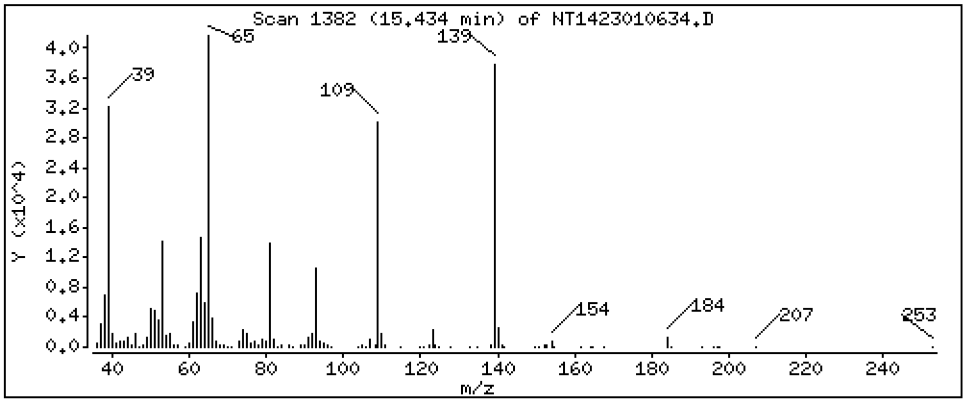
Client ID: Instrument: nt14.i

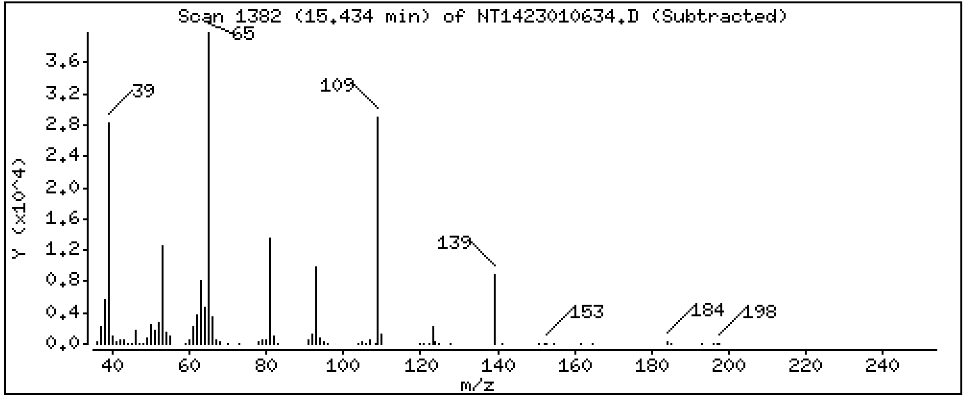
Sample Info: SLA0068-CCV1

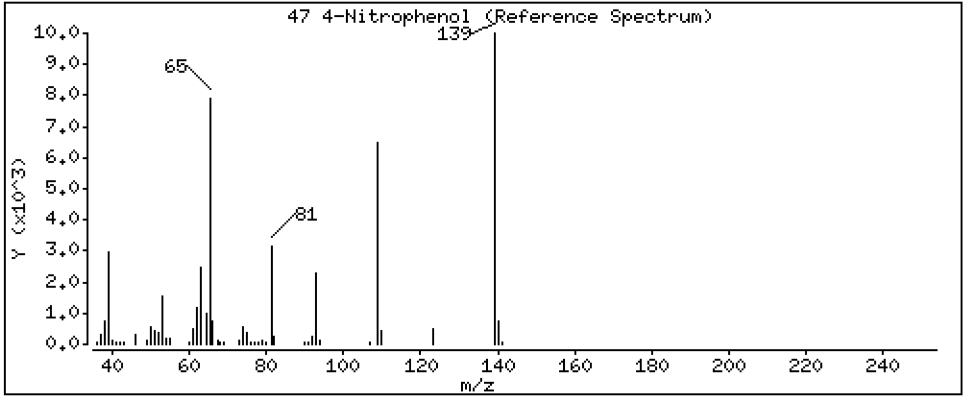
Operator: VTS

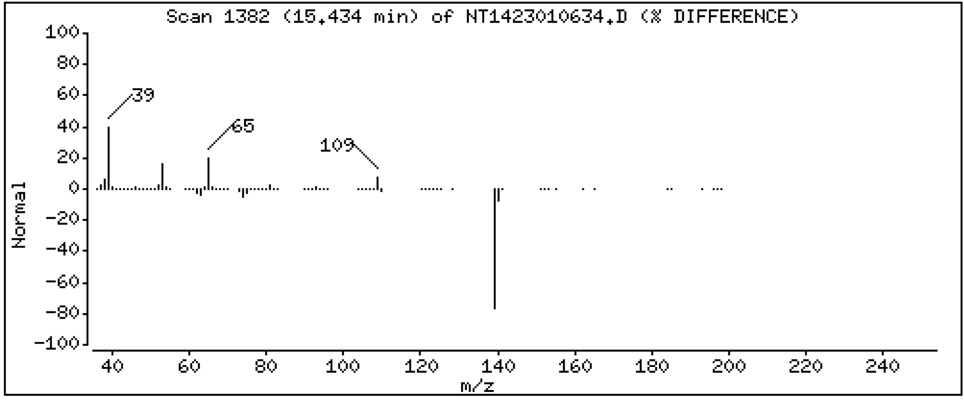
Column phase: ZB-5msi Column diameter: 0.25

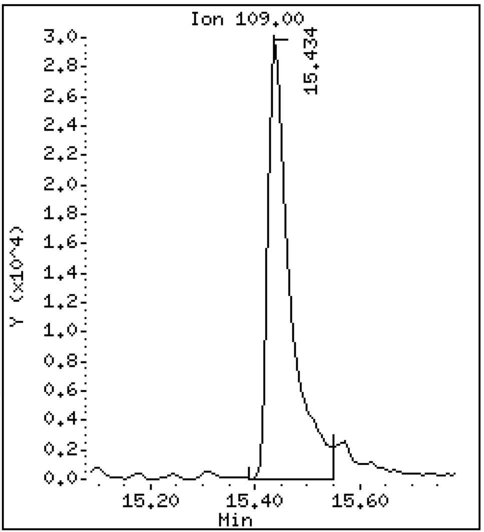
47 4-Nitrophenol Concentration: 11.35 ug/mL

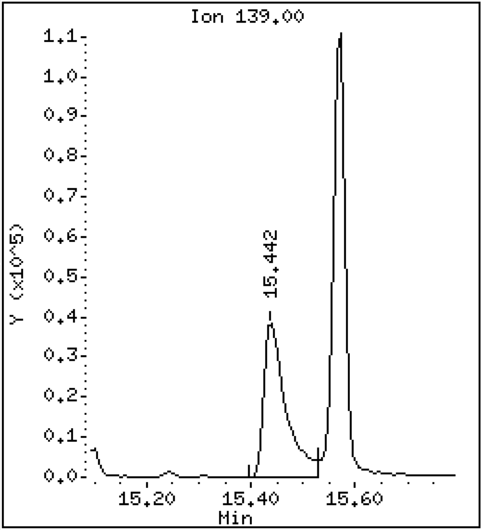


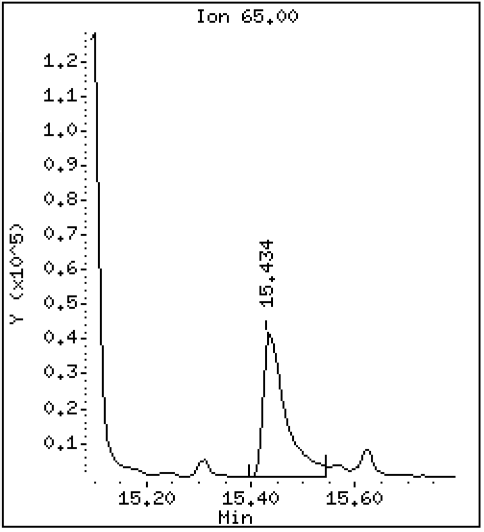












Data File: \\target\share\chem3\nt14.i\20230106.b\NT1423010634.D

Date : 07-JAN-2023 07:27

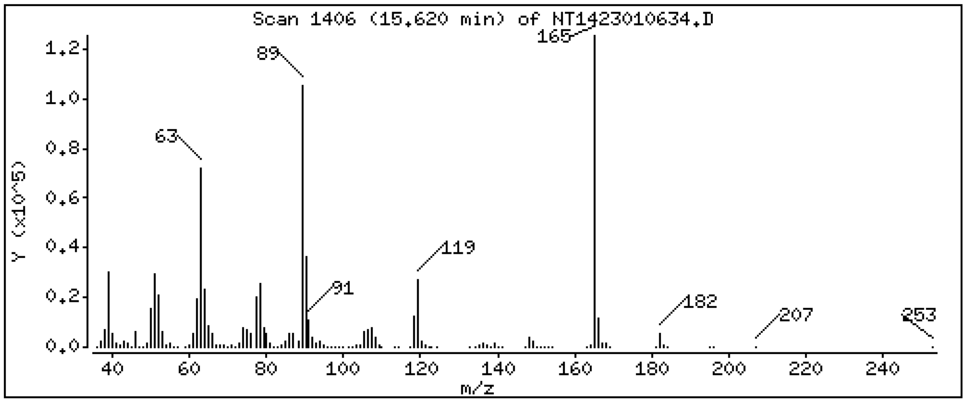
Client ID: Instrument: nt14.i

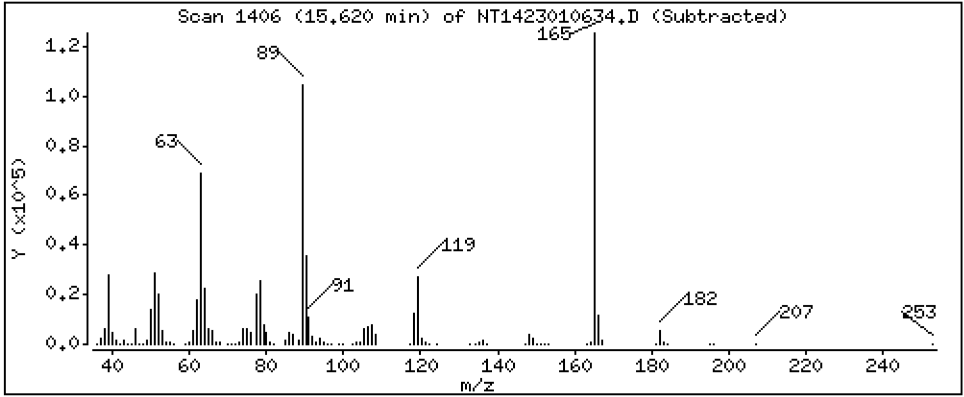
Sample Info: SLA0068-CCV1

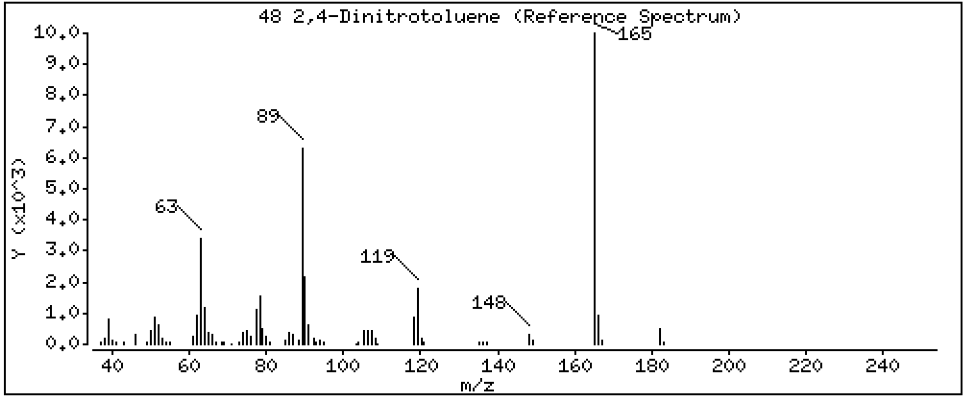
Operator: VTS

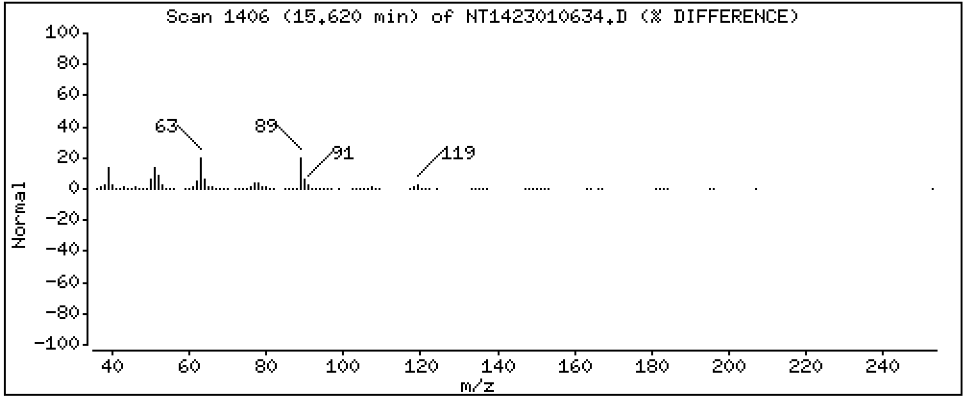
Column phase: ZB-5msi Column diameter: 0.25

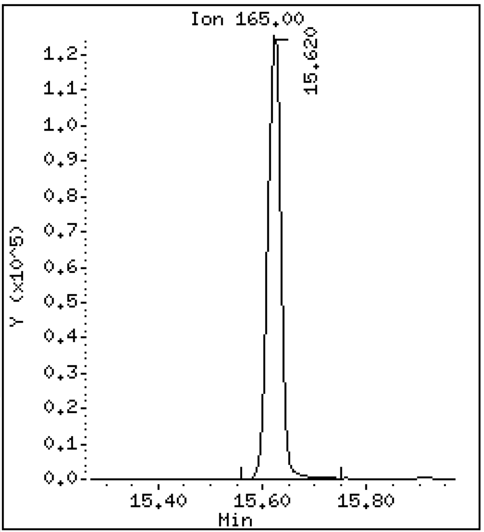
48 2,4-Dinitrotoluene Concentration: 11.90 ug/mL

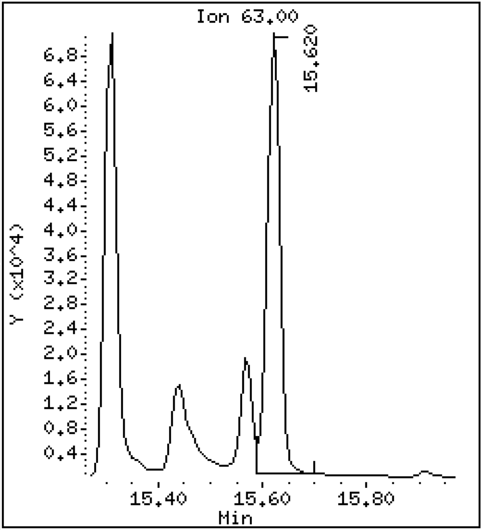

Scan 1406 (15.620 min) of NT1423010634.D

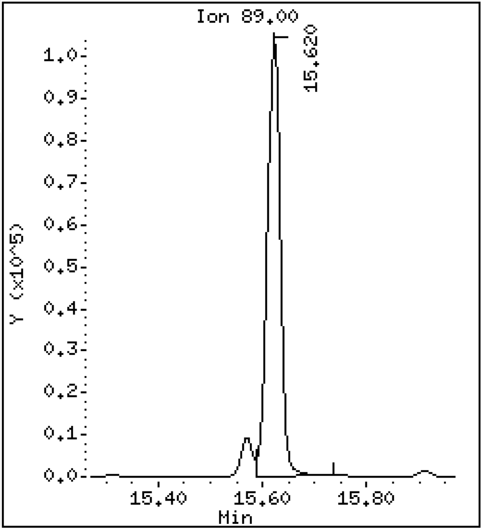

Scan 1406 (15.620 min) of NT1423010634.D (Subtracted)


48 2,4-Dinitrotoluene (Reference Spectrum)


Scan 1406 (15.620 min) of NT1423010634.D (% DIFFERENCE)


Ion 165.00


Ion 63.00


Ion 89.00

Date : 07-JAN-2023 07:27

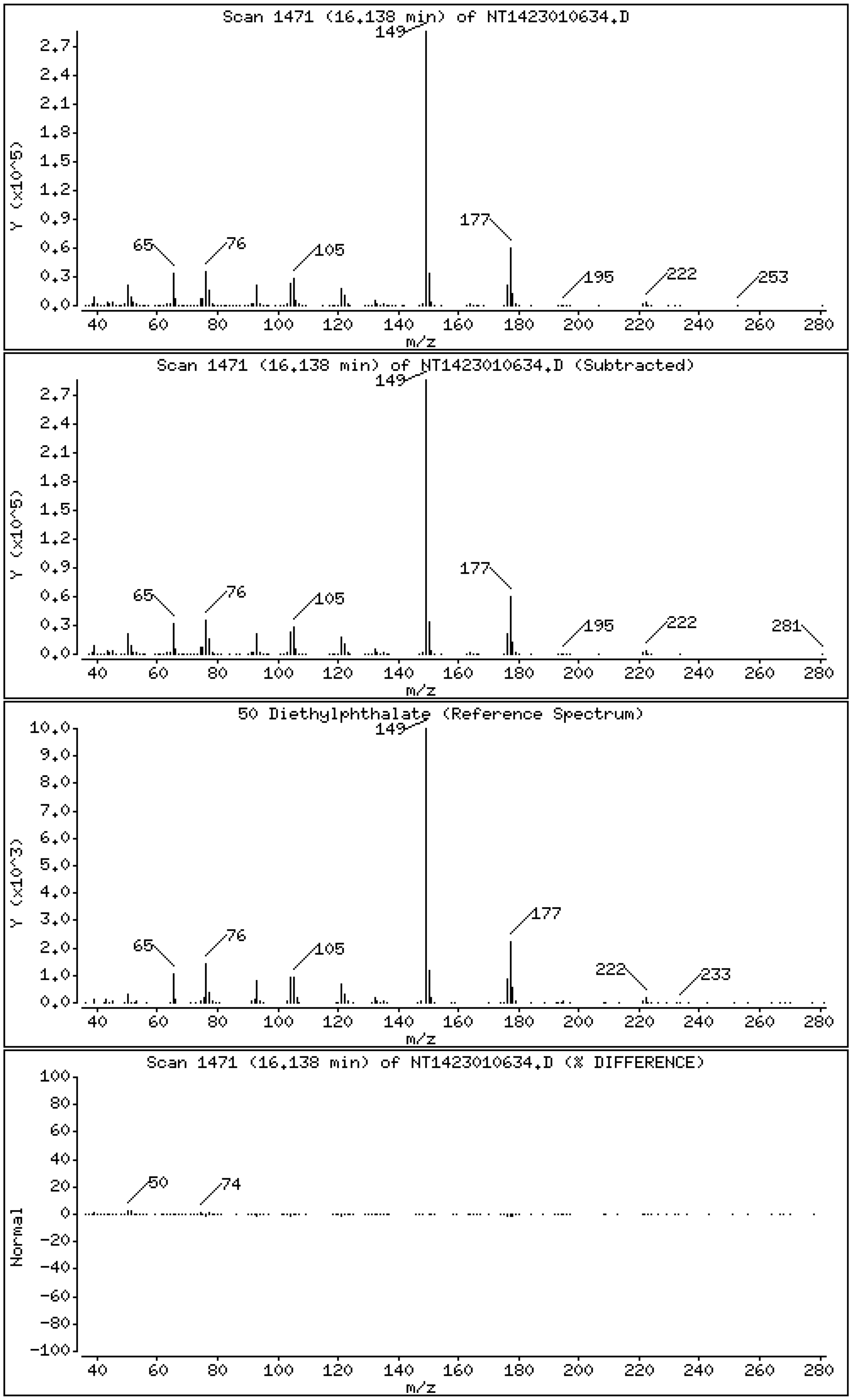
Client ID: Instrument: nt14.i

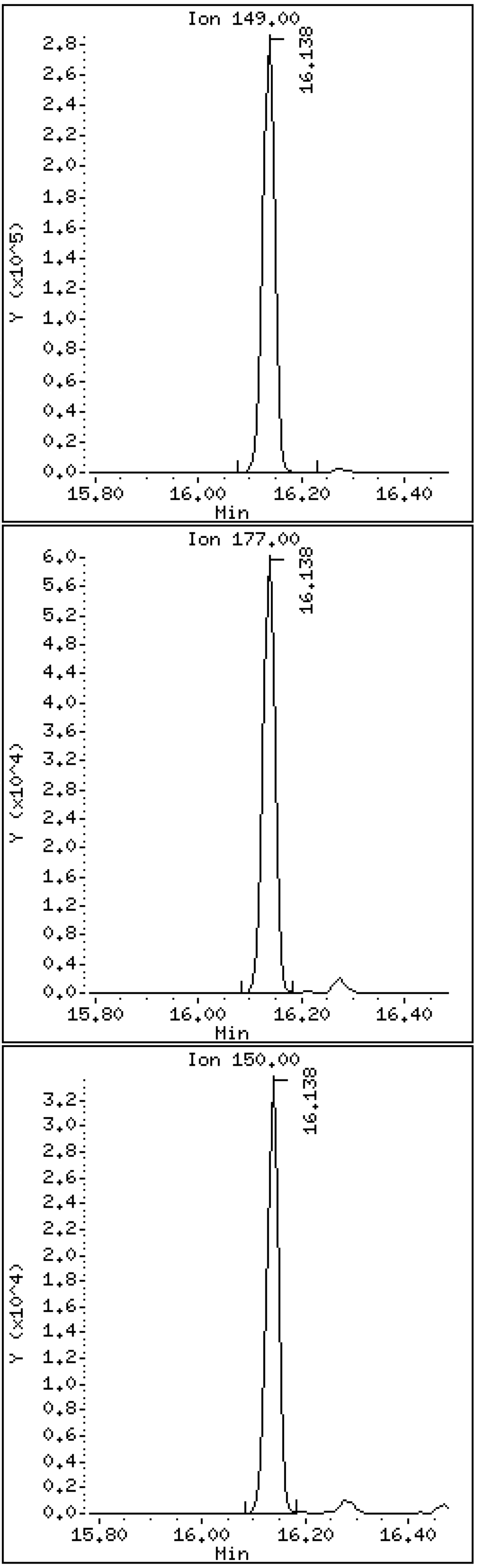
Sample Info: SLA0068-CCV1

Operator: VTS

Column phase: ZB-5msi Column diameter: 0.25

50 Diethylphthalate Concentration: 6.287 ug/mL





Date : 07-JAN-2023 07:27

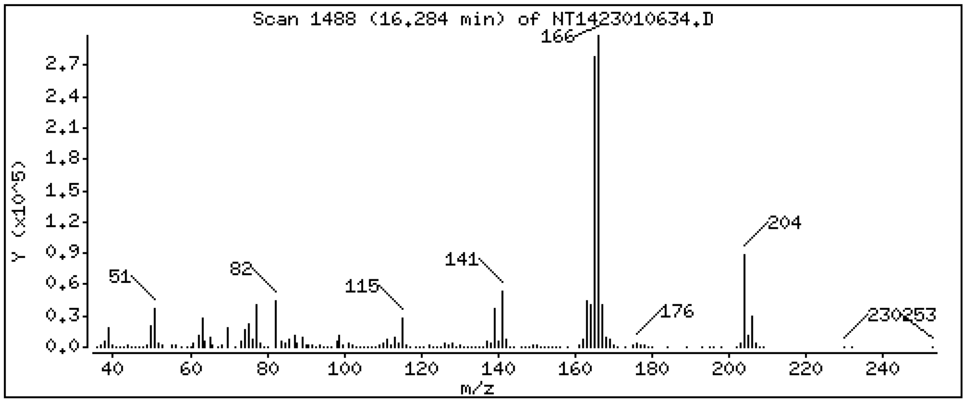
Client ID: Instrument: nt14.i

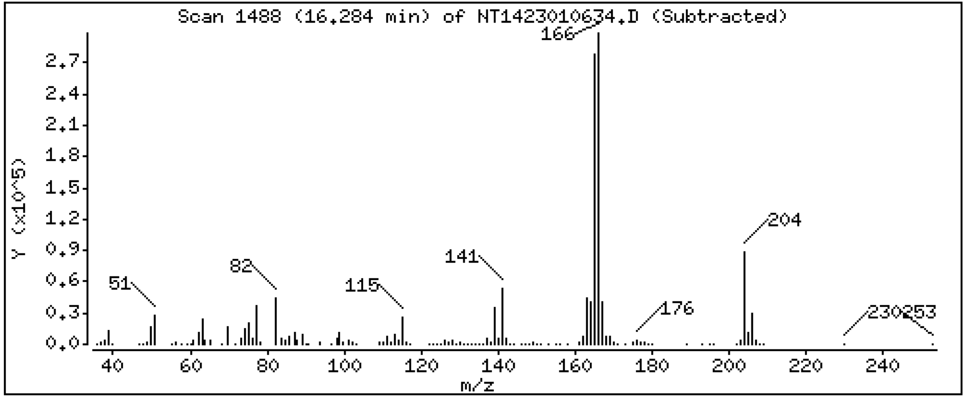
Sample Info: SLA0068-CCV1

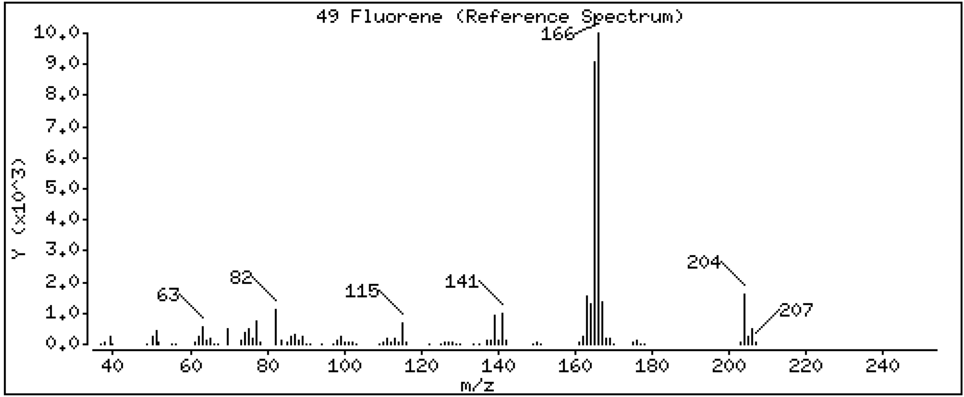
Operator: VTS

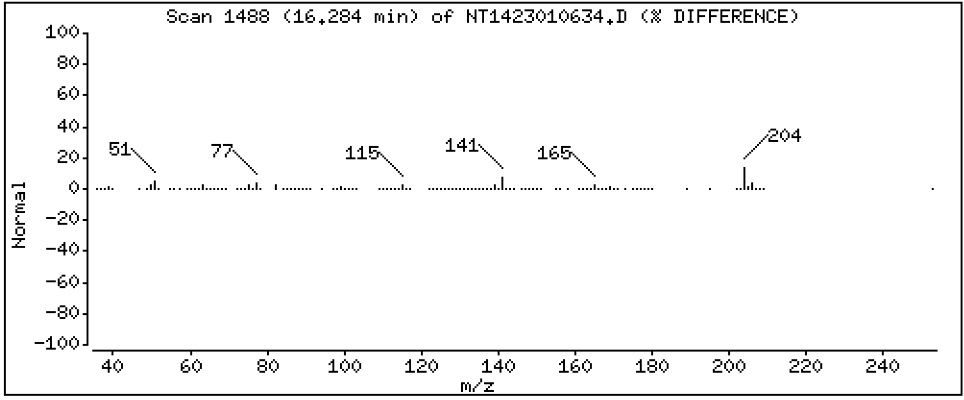
Column phase: ZB-5msi   Column diameter: 0.25

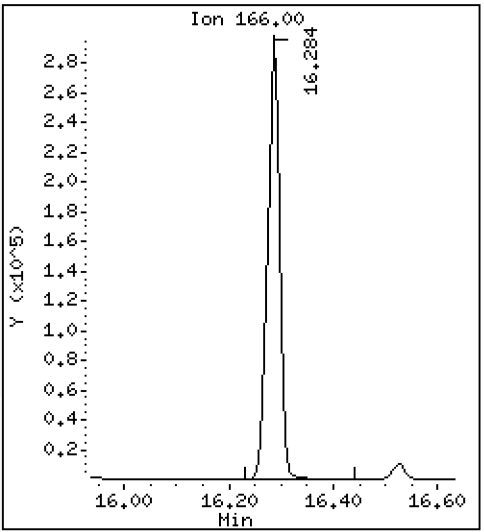
49 Fluorene   Concentration: 5.288 ug/mL

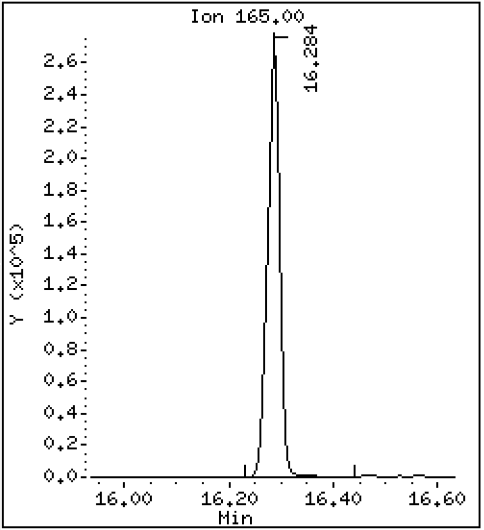


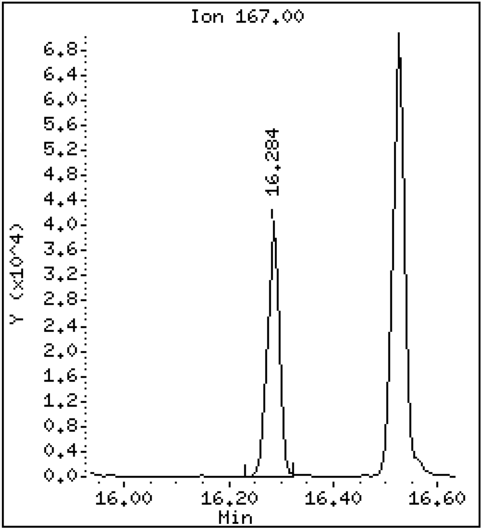












Data File: \\target\share\chem3\nt14.i\20230106.b\NT1423010634.D

Date : 07-JAN-2023 07:27

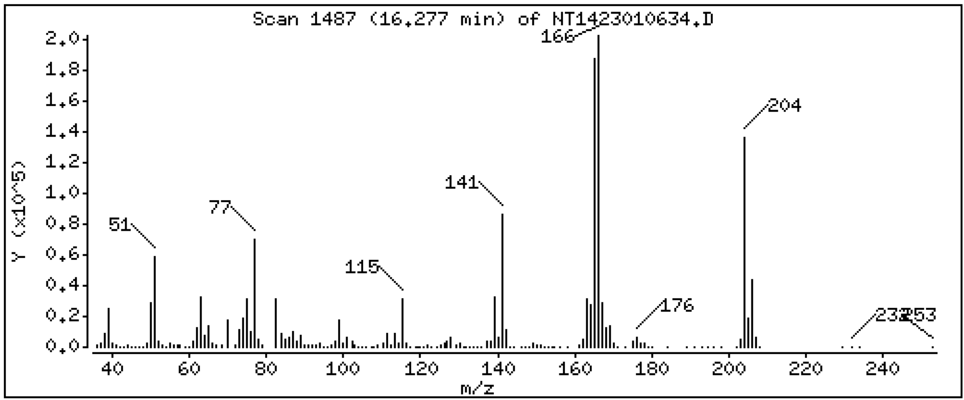
Client ID: Instrument: nt14.i

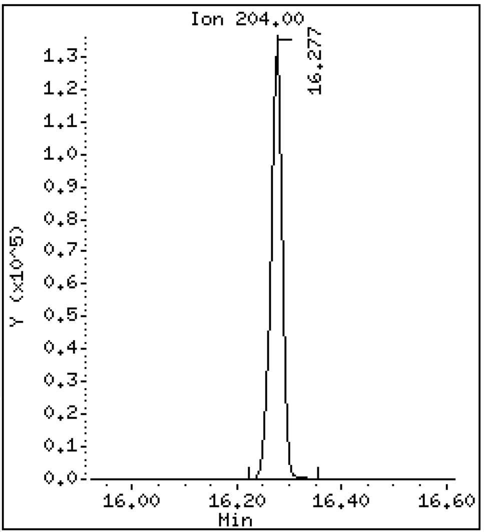
Sample Info: SLA0068-CCV1

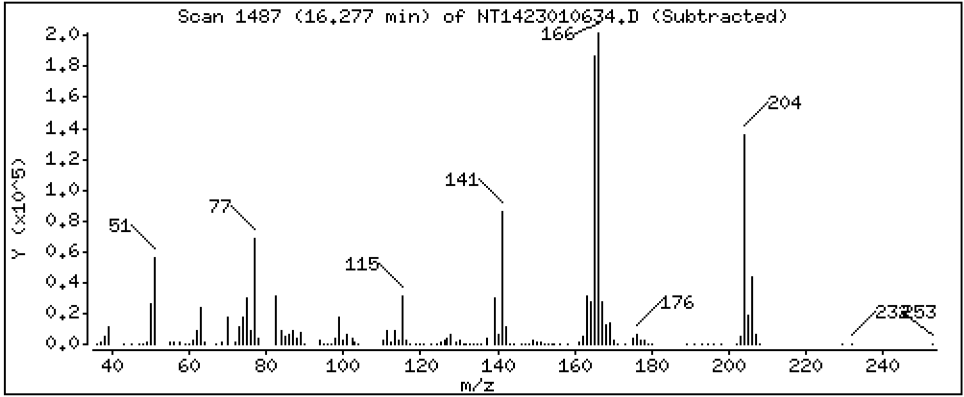
Operator: VTS

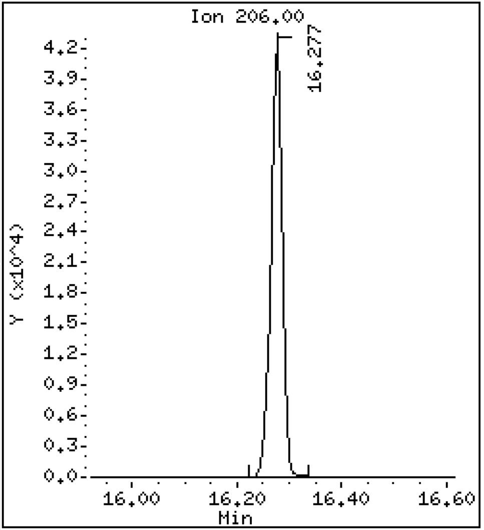
Column phase: ZB-5msi Column diameter: 0.25

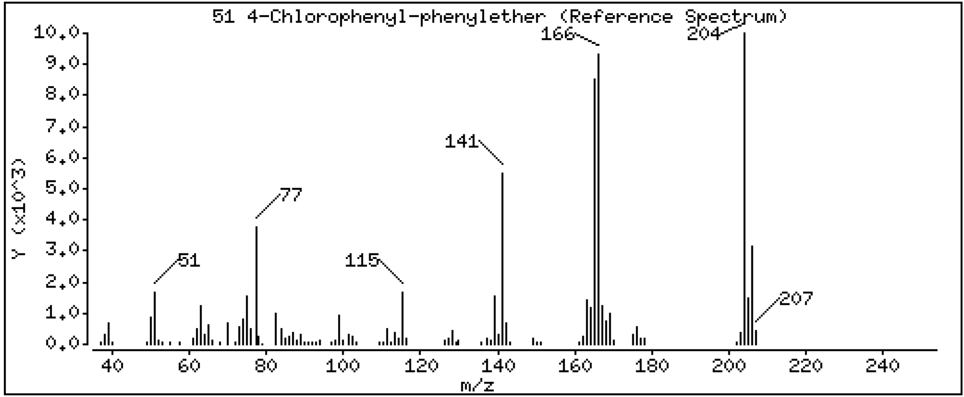
51 4-Chlorophenyl-phenylether Concentration: 4.803 ug/mL

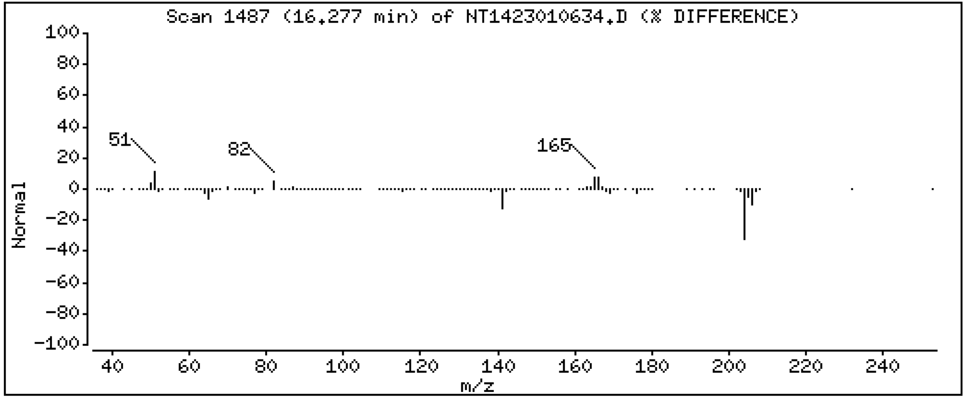

Scan 1487 (16.277 min) of NT1423010634.D

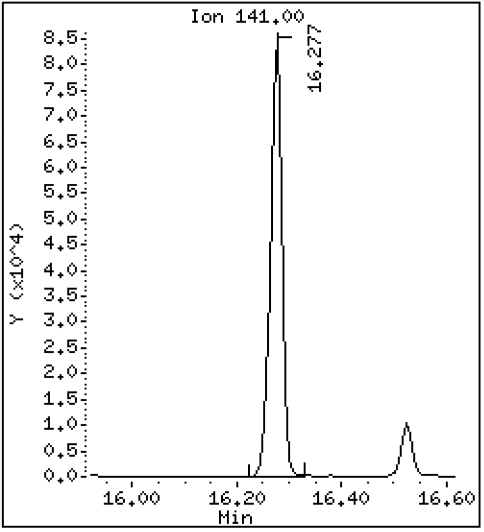

Ion 204.00


Scan 1487 (16.277 min) of NT1423010634.D (Subtracted)


Ion 206.00


51 4-Chlorophenyl-phenylether (Reference Spectrum)


Scan 1487 (16.277 min) of NT1423010634.D (% DIFFERENCE)


Ion 141.00

Data File: \\target\share\chem3\nt14.i\20230106.b\NT1423010634.D

Date : 07-JAN-2023 07:27

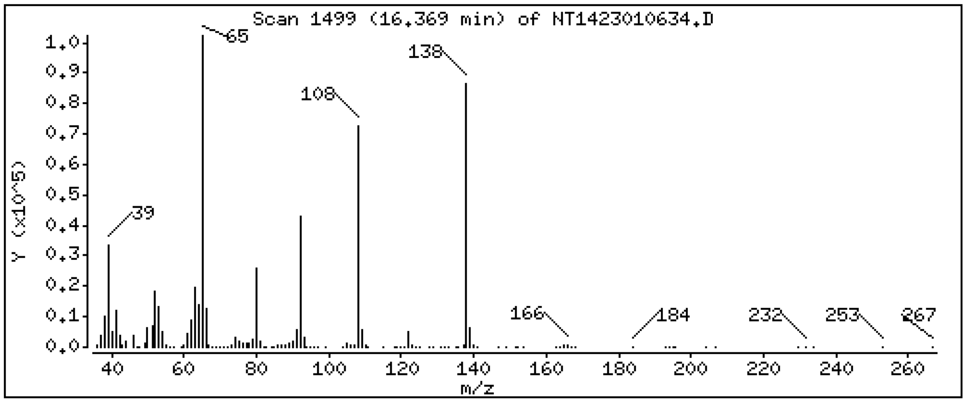
Client ID: Instrument: nt14.i

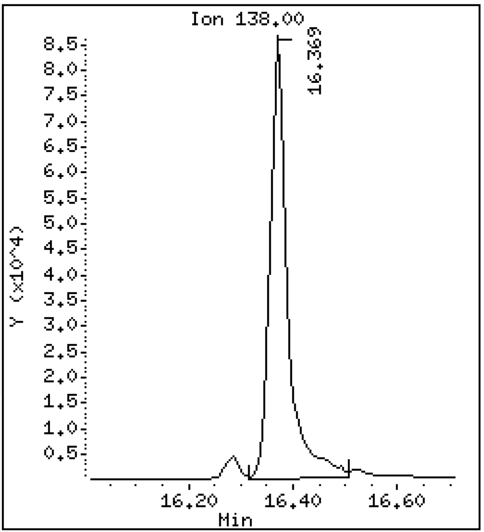
Sample Info: SLA0068-CCV1

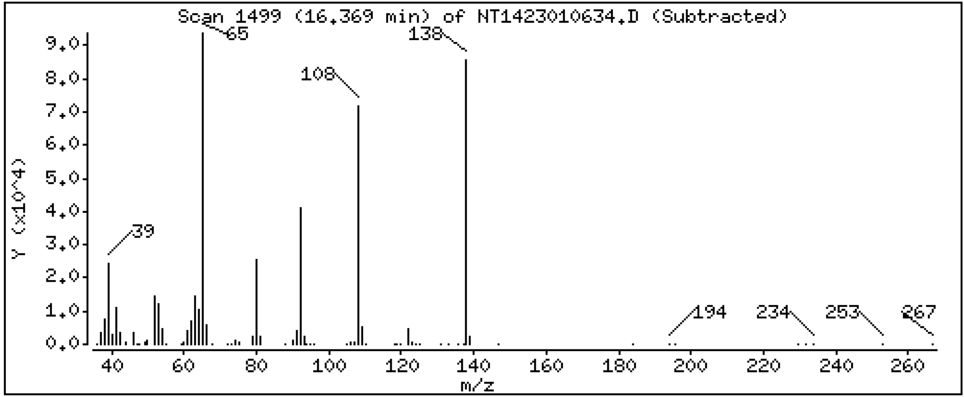
Operator: VTS

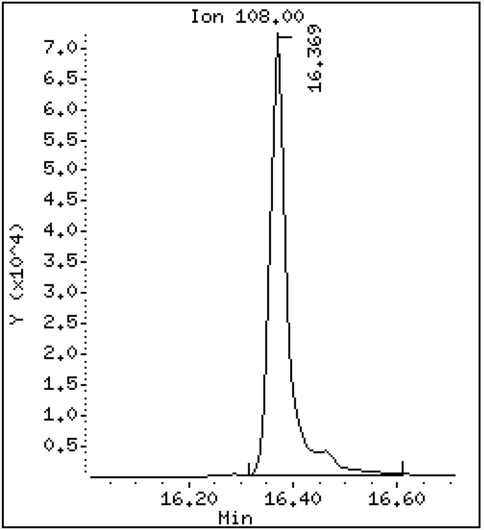
Column phase: ZB-5msi Column diameter: 0.25

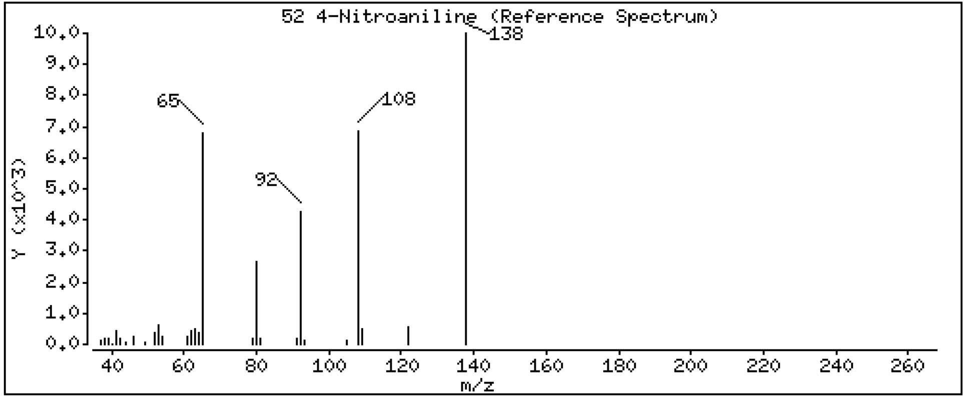
52 4-Nitroaniline Concentration: 10.27 ug/mL

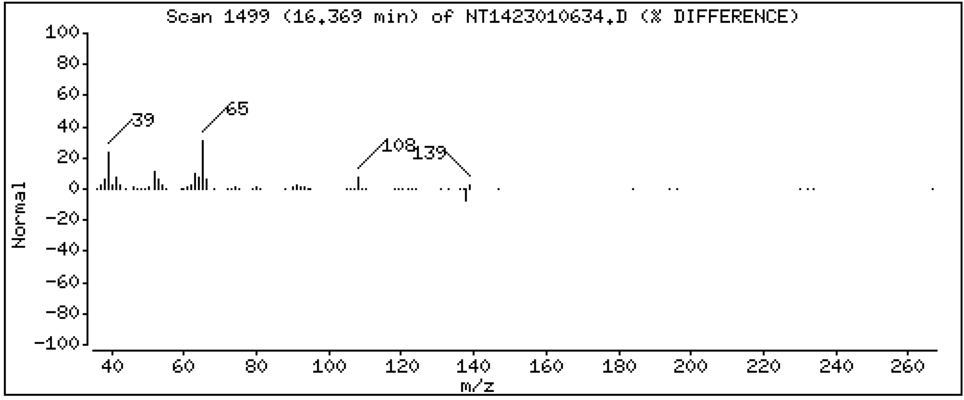


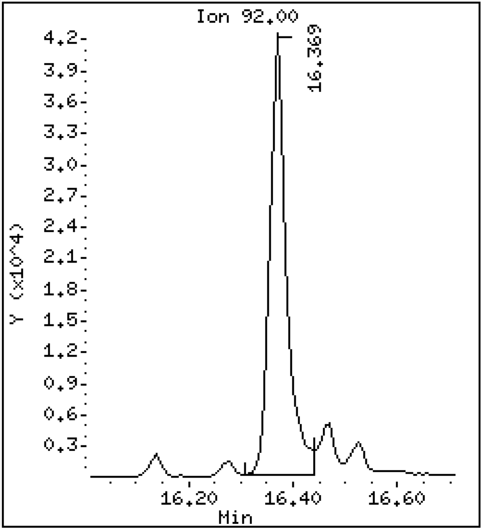












Data File: \\target\share\chem3\nt14.i\20230106.b\NT1423010634.D

Date : 07-JAN-2023 07:27

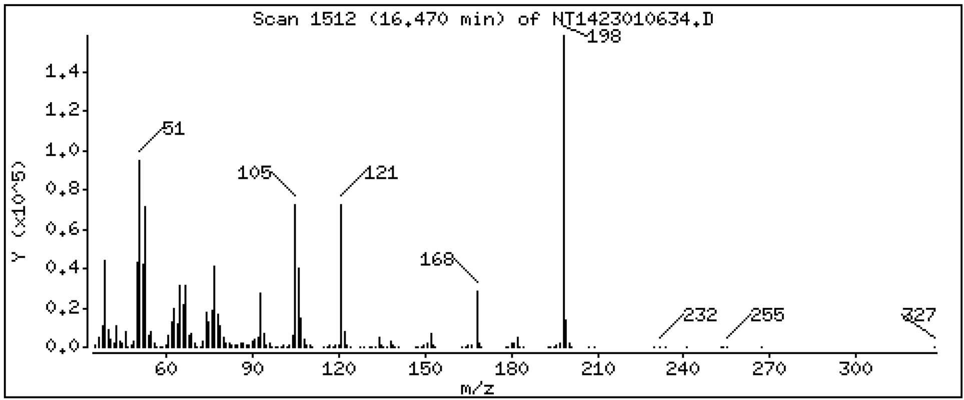
Client ID: Instrument: nt14.i

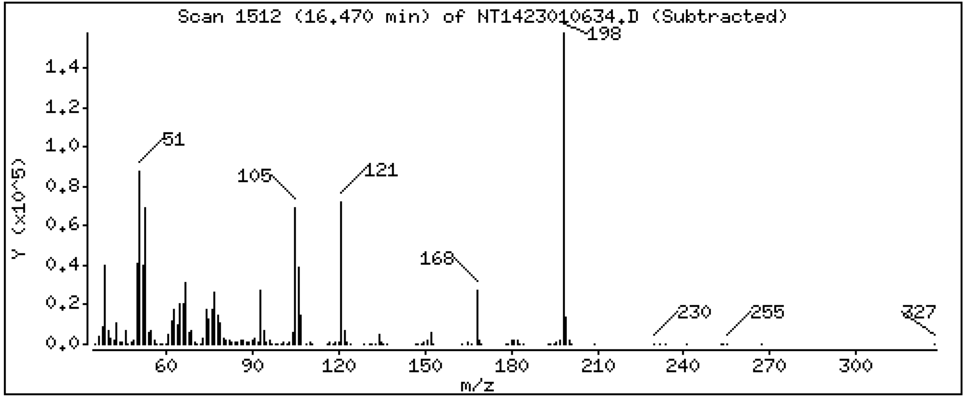
Sample Info: SLA0068-CCV1

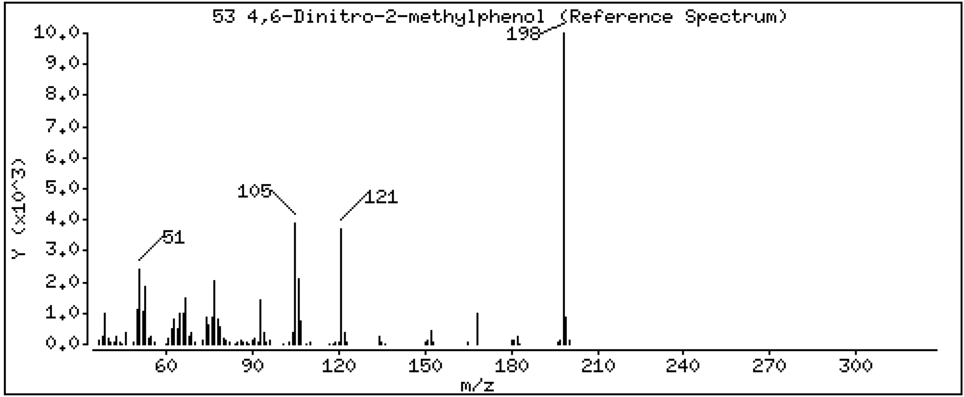
Operator: VTS

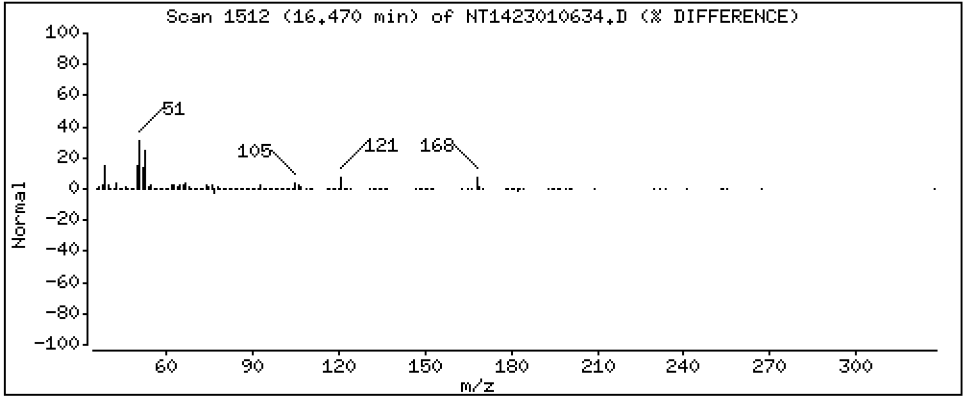
Column phase: ZB-5msi Column diameter: 0.25

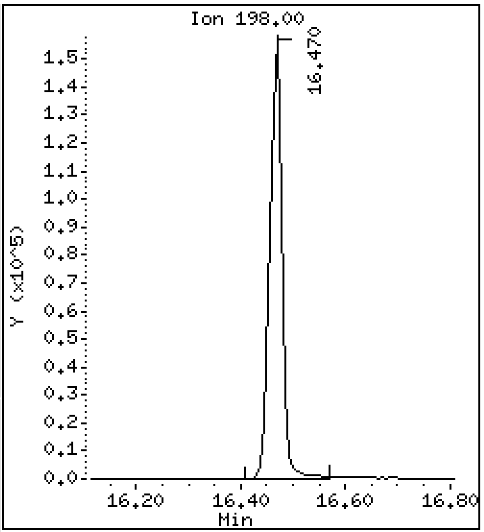
53 4,6-Dinitro-2-methylphenol Concentration: 17.06 ug/mL

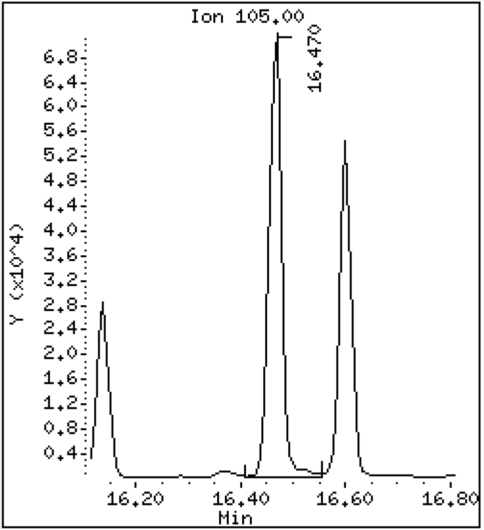

Scan 1512 (16.470 min) of NT1423010634.D

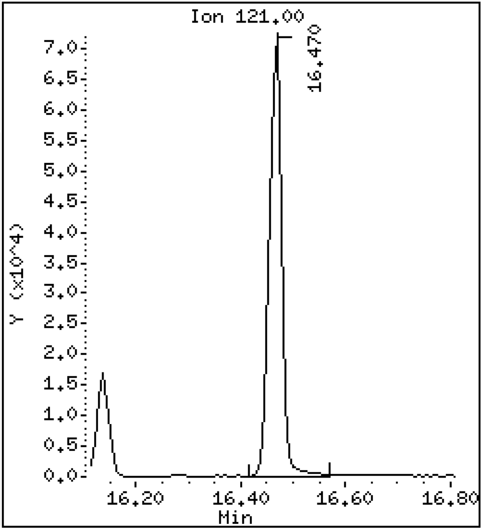

Scan 1512 (16.470 min) of NT1423010634.D (Subtracted)


53 4,6-Dinitro-2-methylphenol (Reference Spectrum)


Scan 1512 (16.470 min) of NT1423010634.D (% DIFFERENCE)


Ion 198.00


Ion 105.00


Ion 121.00

Data File: \\target\share\chem3\nt14.i\20230106.b\NT1423010634.D

Date : 07-JAN-2023 07:27

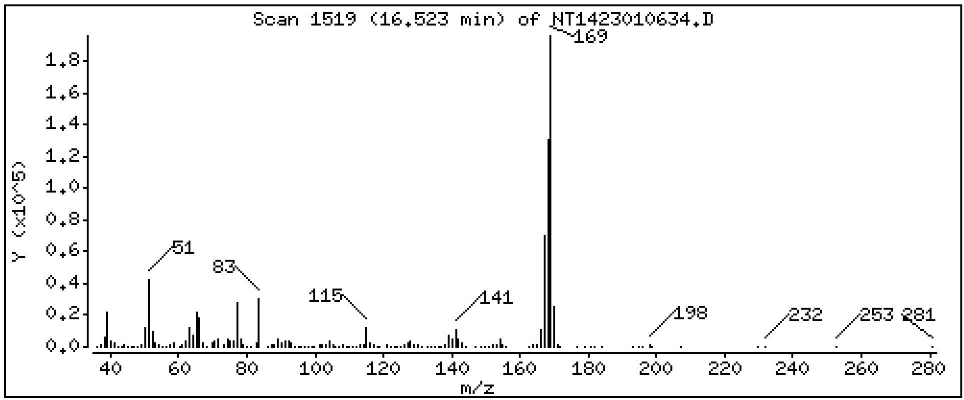
Client ID: Instrument: nt14.i

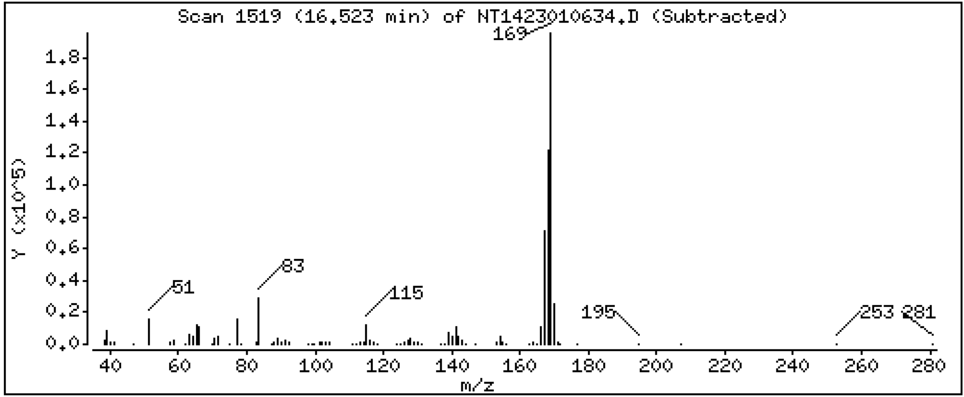
Sample Info: SLA0068-CCV1

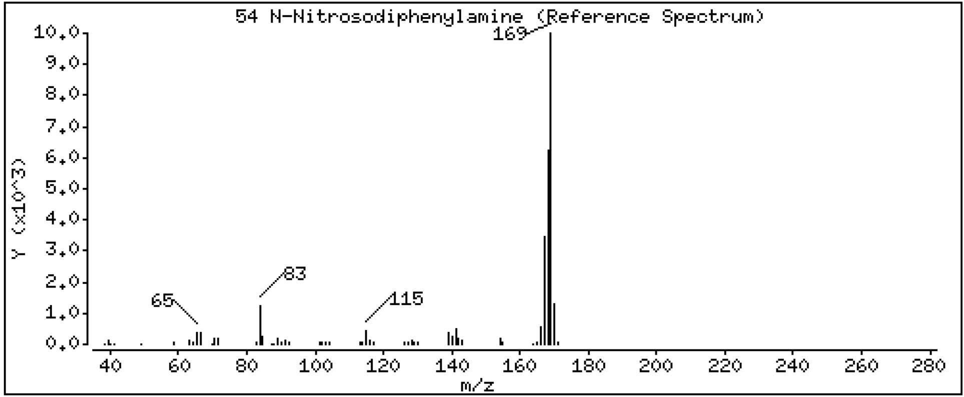
Operator: VTS

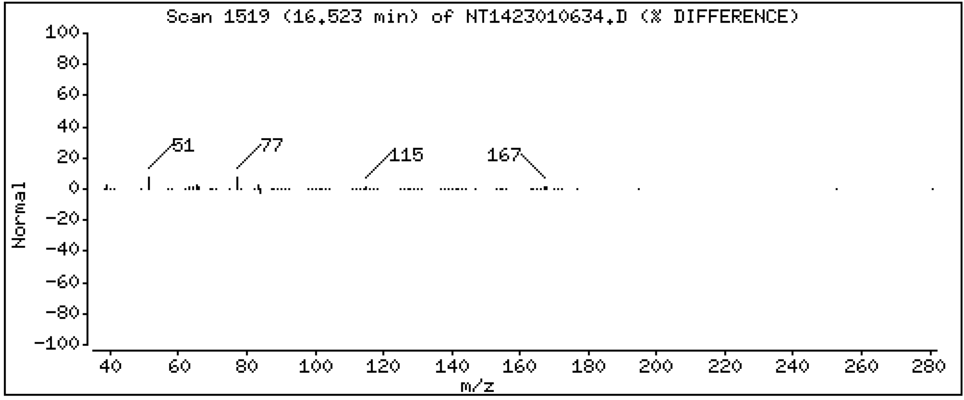
Column phase: ZB-5msi Column diameter: 0.25

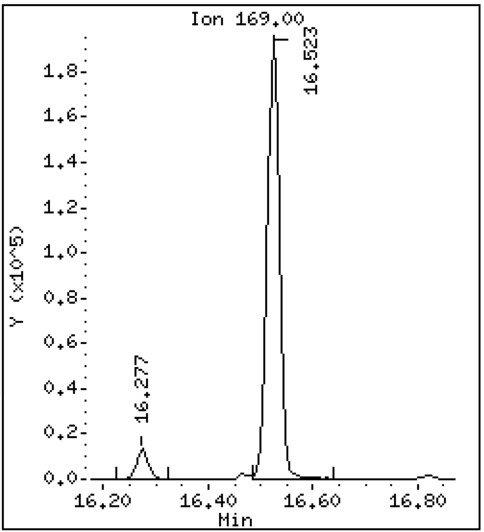
54 N-Nitrosodiphenylamine Concentration: 5.276 ug/mL

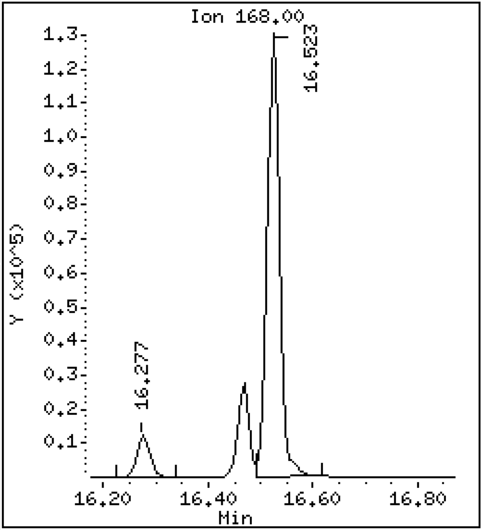

Scan 1519 (16.523 min) of NT1423010634.D

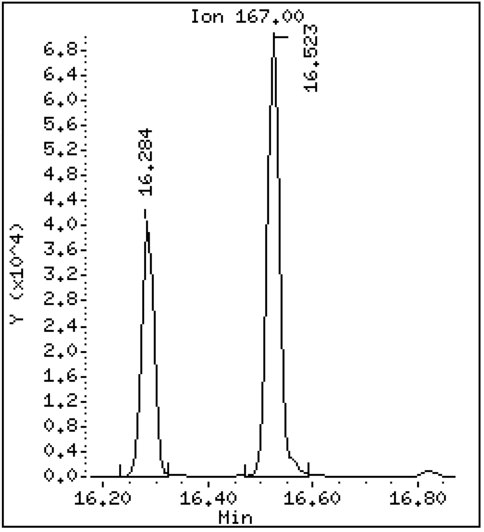

Scan 1519 (16.523 min) of NT1423010634.D (Subtracted)


54 N-Nitrosodiphenylamine (Reference Spectrum)


Scan 1519 (16.523 min) of NT1423010634.D (% DIFFERENCE)


Ion 169.00


Ion 168.00


Ion 167.00

Data File: \\target\share\chem3\nt14.i\20230106.b\NT1423010634.D

Date : 07-JAN-2023 07:27

Client ID:

Sample Info: SLA0068-CCV1

Column phase: ZB-5msi

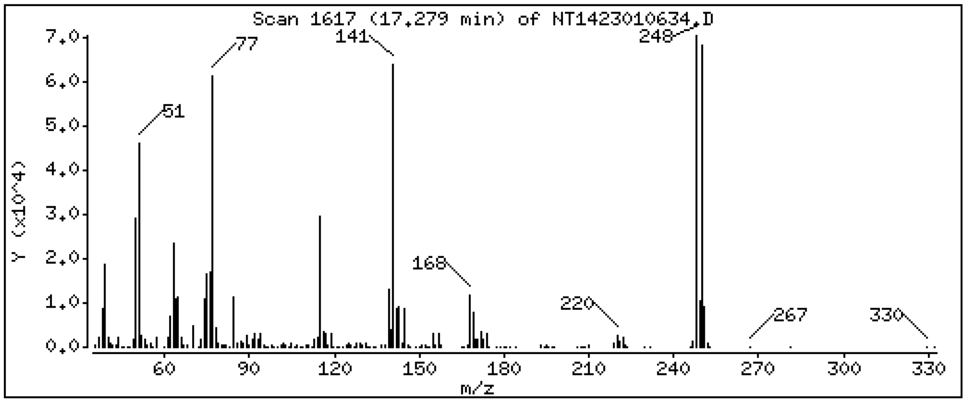
56 4-Bromophenyl-phenylether

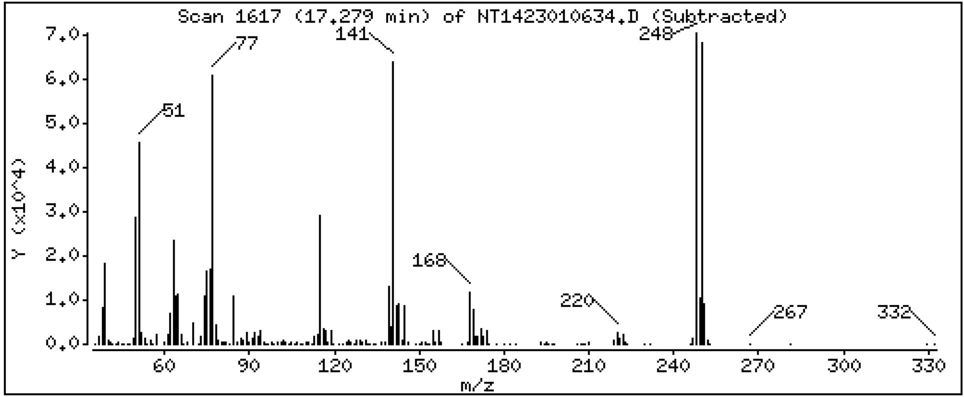
Instrument: nt14.i

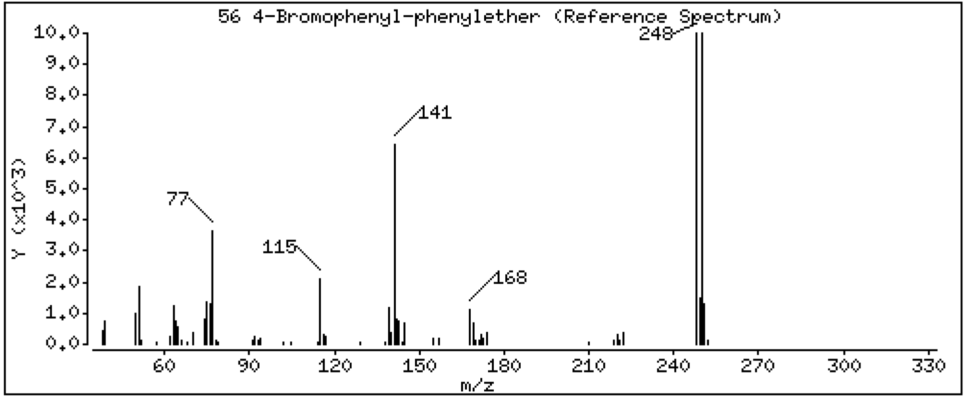
Operator: VTS

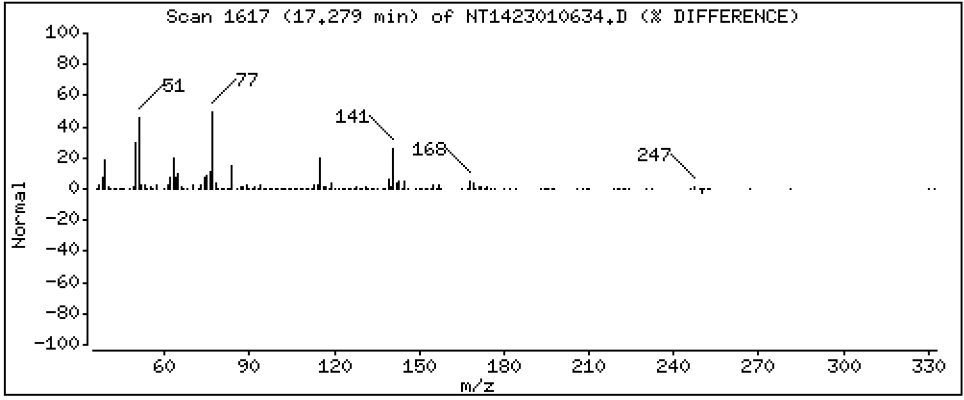
Column diameter: 0.25

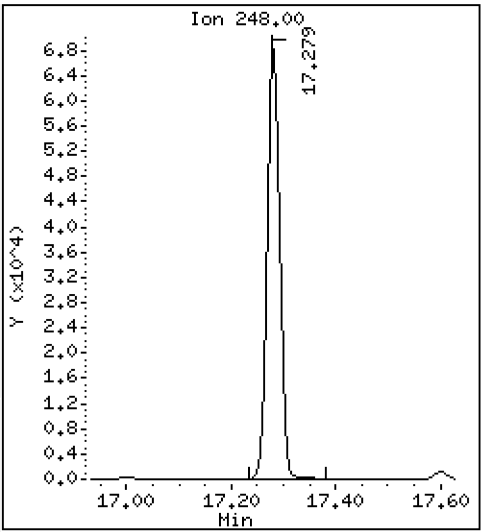
Concentration: 5.082 ug/mL

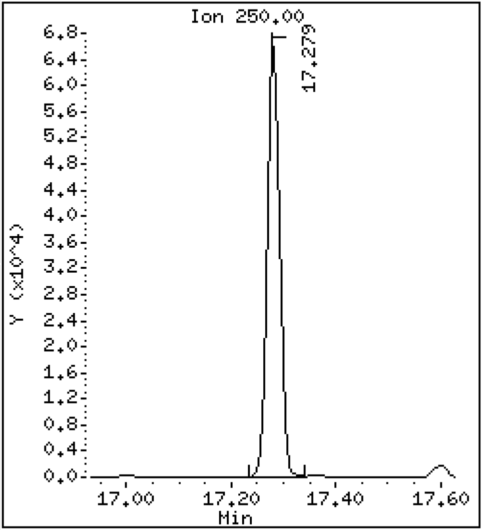

Scan 1617 (17.279 min) of NT1423010634.D

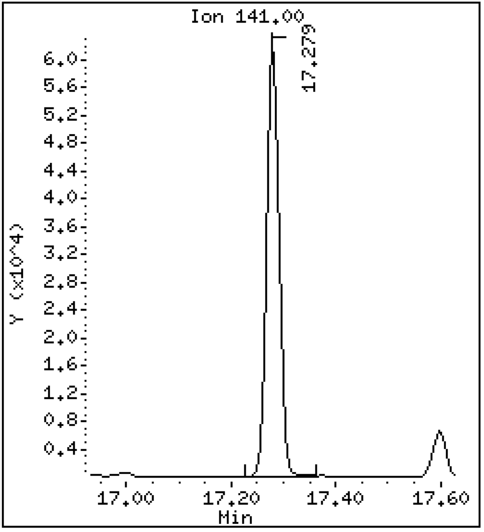

Scan 1617 (17.279 min) of NT1423010634.D (Subtracted)


56 4-Bromophenyl-phenylether (Reference Spectrum)


Scan 1617 (17.279 min) of NT1423010634.D (% DIFFERENCE)


Ion 248.00


Ion 250.00


Ion 141.00

Data File: \\target\share\chem3\nt14.i\20230106.b\NT1423010634.D

Date : 07-JAN-2023 07:27

Client ID:

Instrument: nt14.i

Sample Info: SLA0068-CCV1

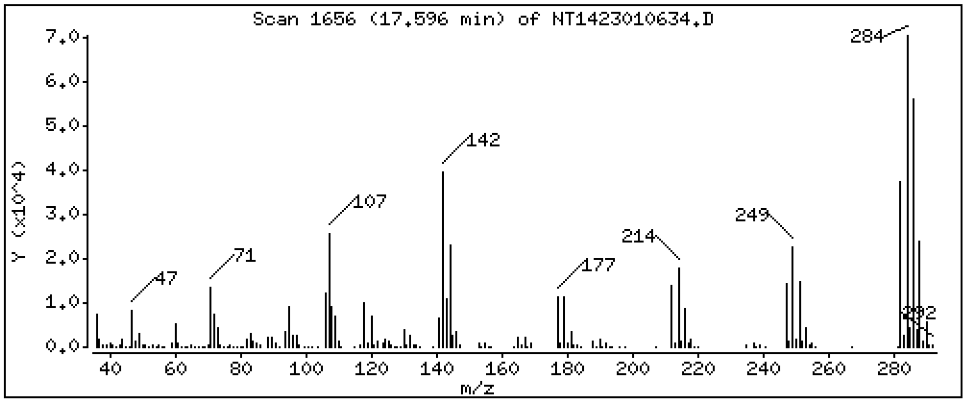
Operator: VTS

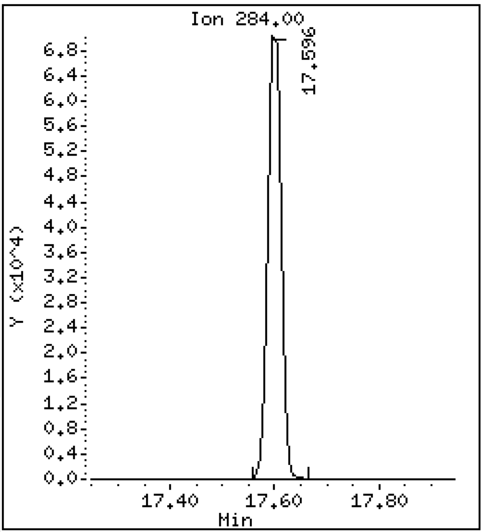
Column phase: ZB-5msi

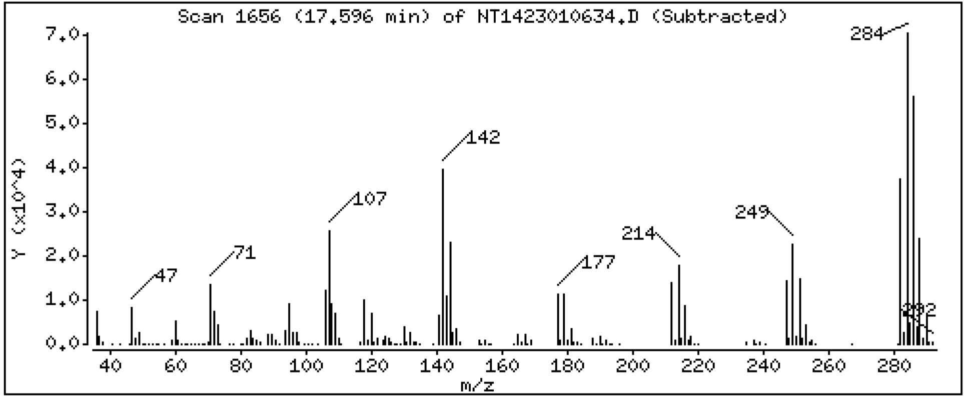
Column diameter: 0.25

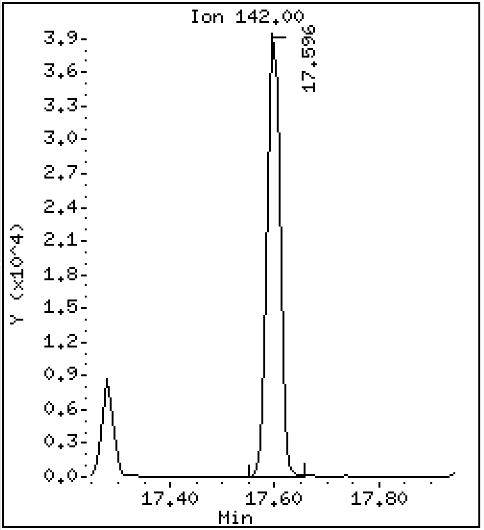
57 Hexachlorobenzene

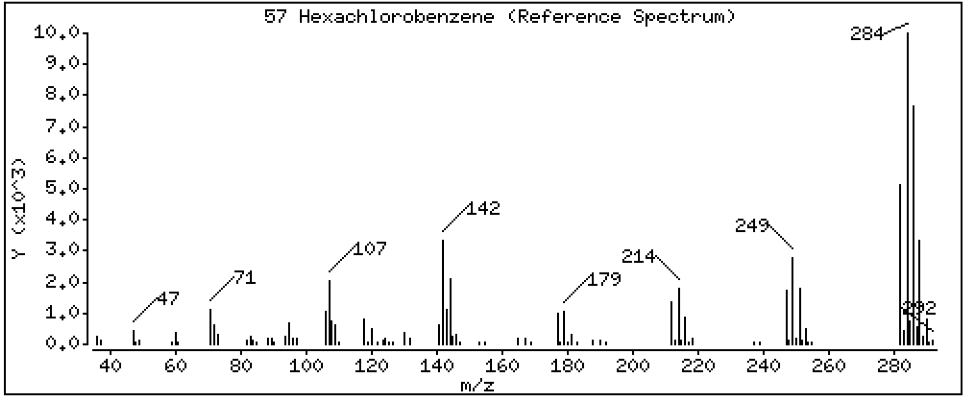
Concentration: 5.043 ug/mL

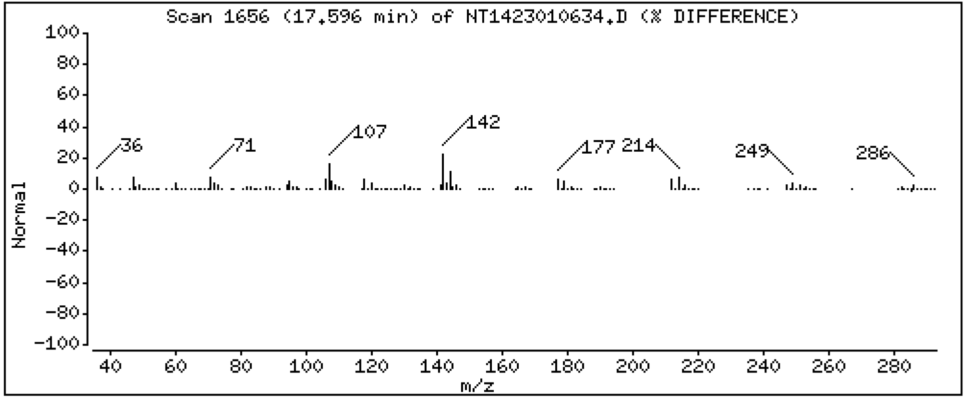

Scan 1656 (17.596 min) of NT1423010634.D

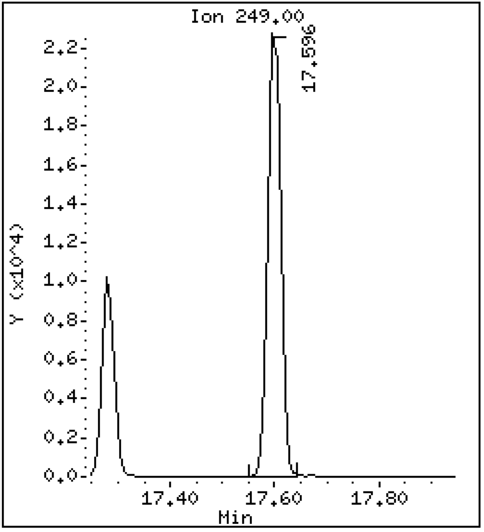

Ion 284.00


Scan 1656 (17.596 min) of NT1423010634.D (Subtracted)


Ion 142.00


57 Hexachlorobenzene (Reference Spectrum)


Scan 1656 (17.596 min) of NT1423010634.D (% DIFFERENCE)


Ion 249.00

Data File: \\target\share\chem3\nt14.i\20230106.b\NT1423010634.D

Date : 07-JAN-2023 07:27

Client ID:

Instrument: nt14.i

Sample Info: SLA0068-CCV1

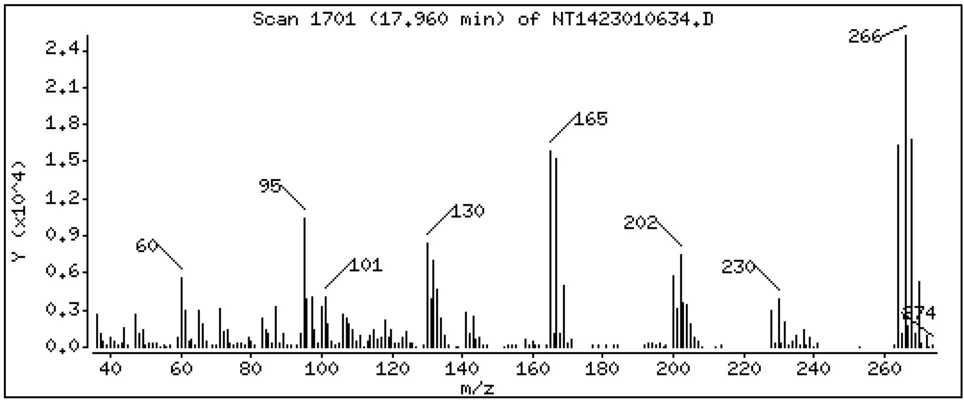
Operator: VTS

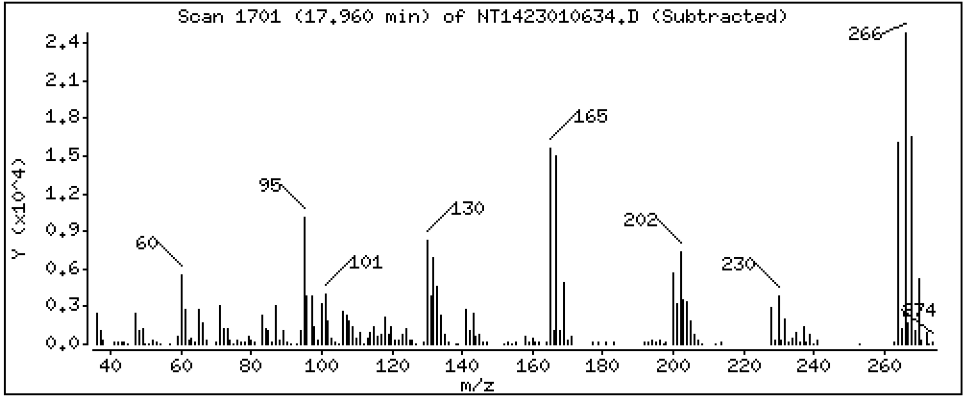
Column phase: ZB-5msi

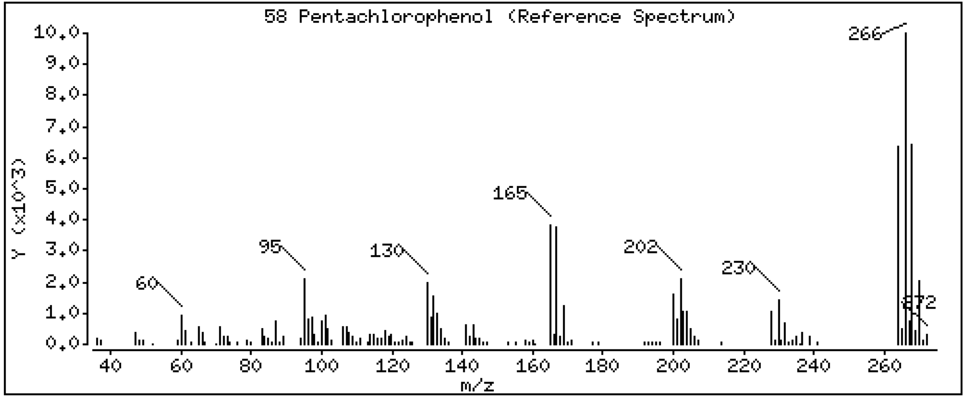
Column diameter: 0.25

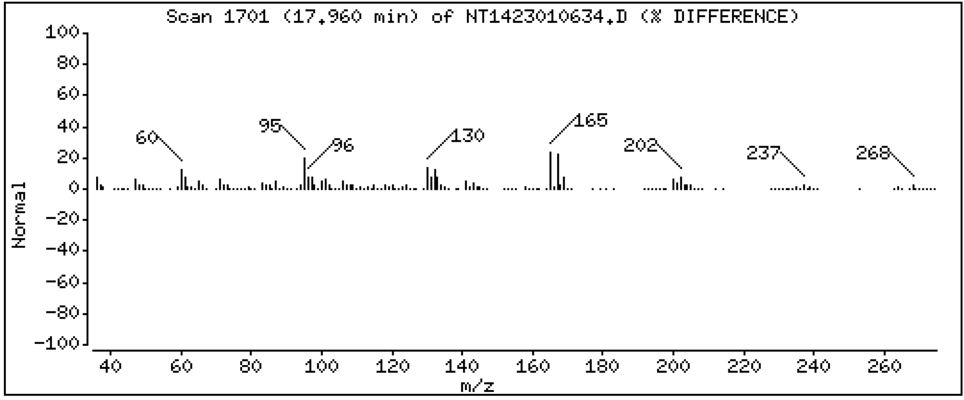
58 Pentachlorophenol

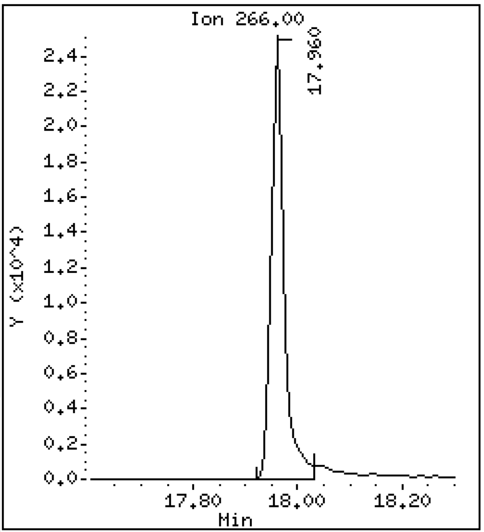
Concentration: 4.019 ug/mL

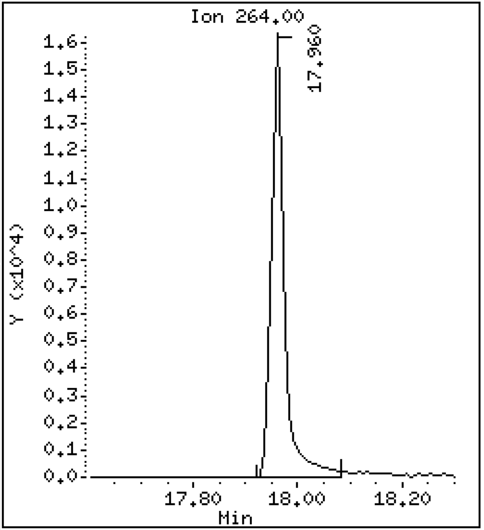


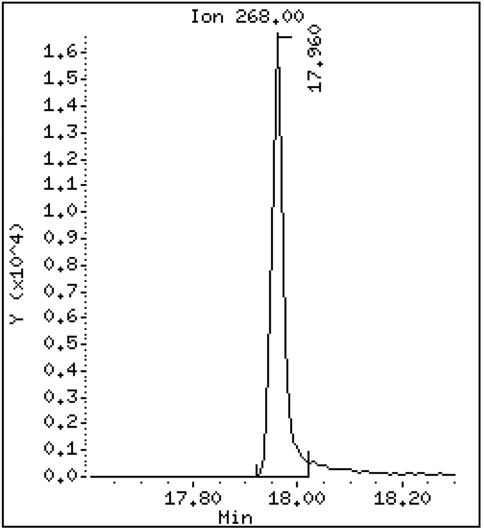












Data File: \\target\share\chem3\nt14.i\20230106.b\NT1423010634.D

Date : 07-JAN-2023 07:27

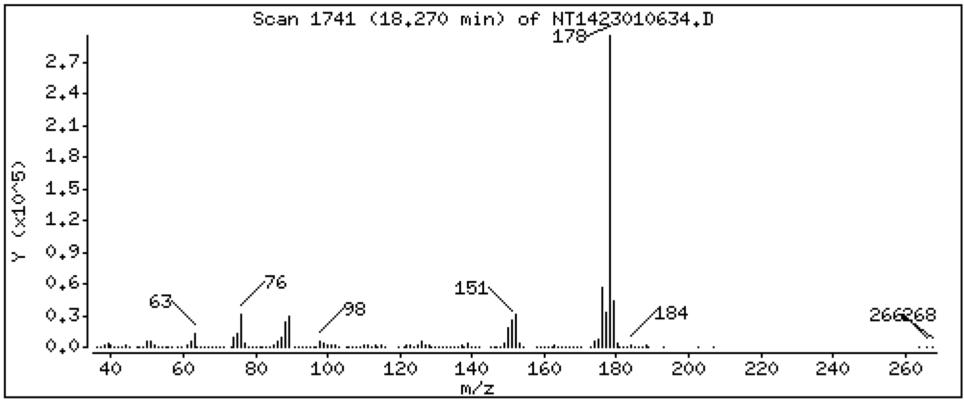
Client ID: Instrument: nt14.i

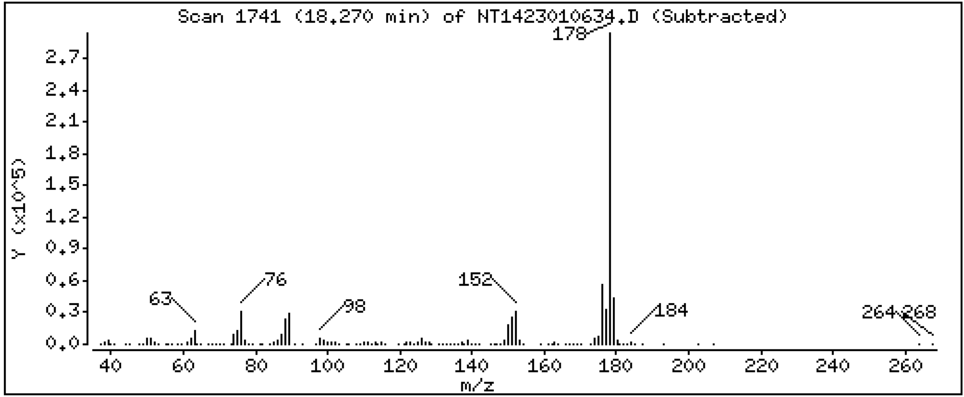
Sample Info: SLA0068-CCV1

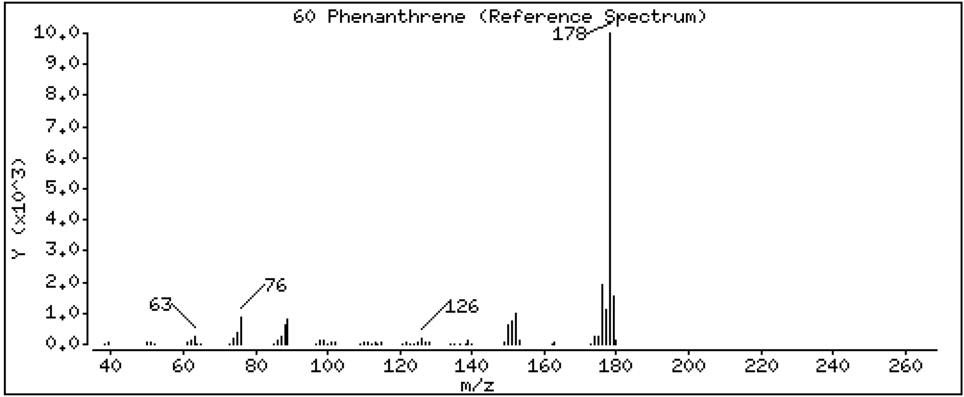
Operator: VTS

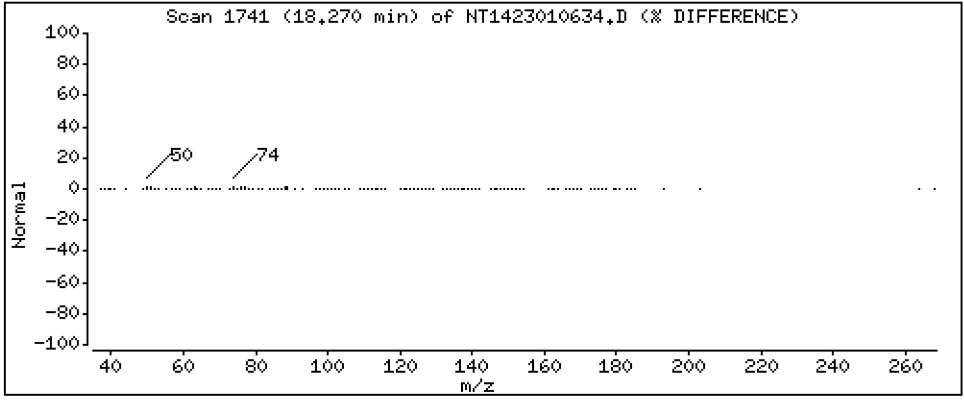
Column phase: ZB-5msi Column diameter: 0.25

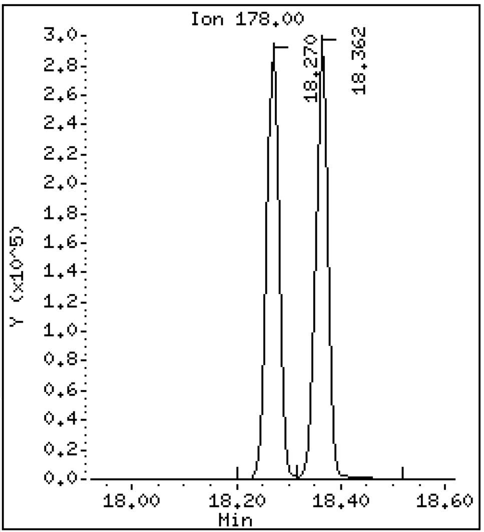
60 Phenanthrene Concentration: 5.334 ug/mL

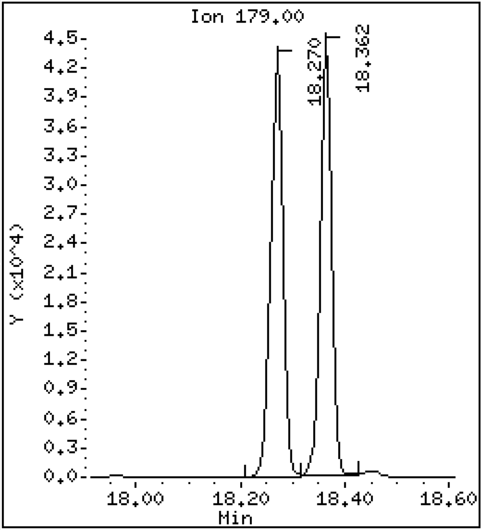


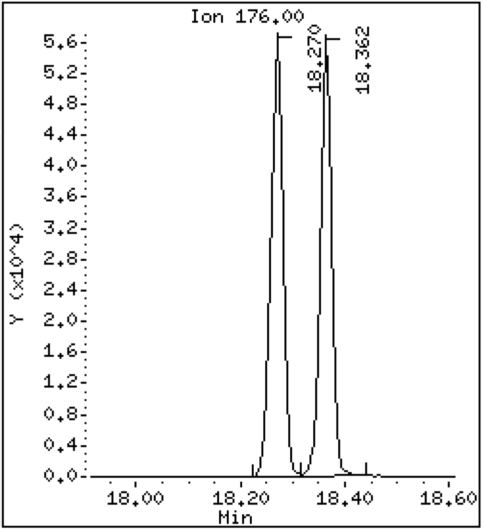












Data File: \\target\share\chem3\nt14.i\20230106.b\NT1423010634.D

Date : 07-JAN-2023 07:27

Client ID:

Instrument: nt14.i

Sample Info: SLA0068-CCV1

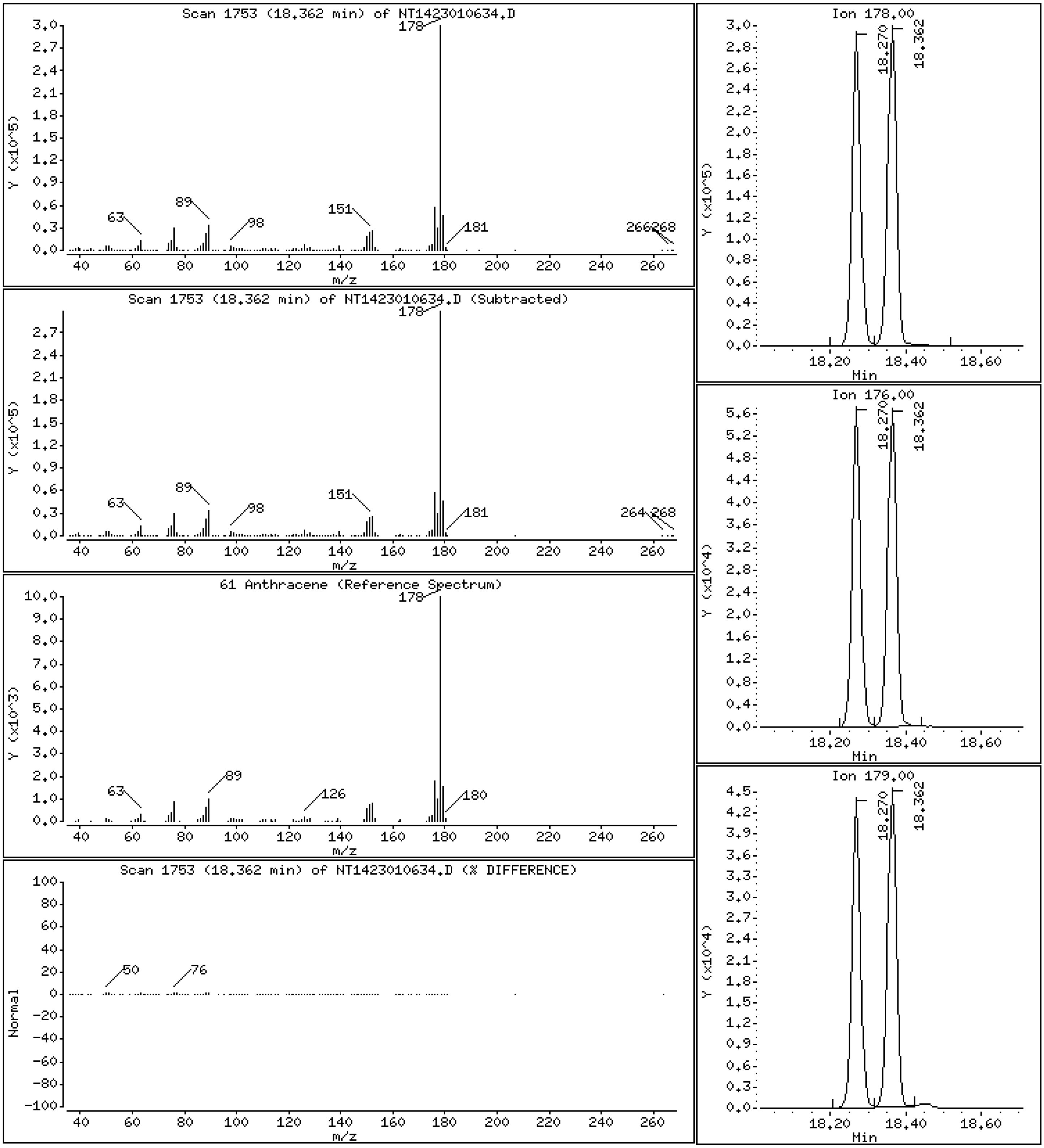
Operator: VTS

Column phase: ZB-5msi

Column diameter: 0.25

61 Anthracene

Concentration: 5.716 ug/mL



Date : 07-JAN-2023 07:27

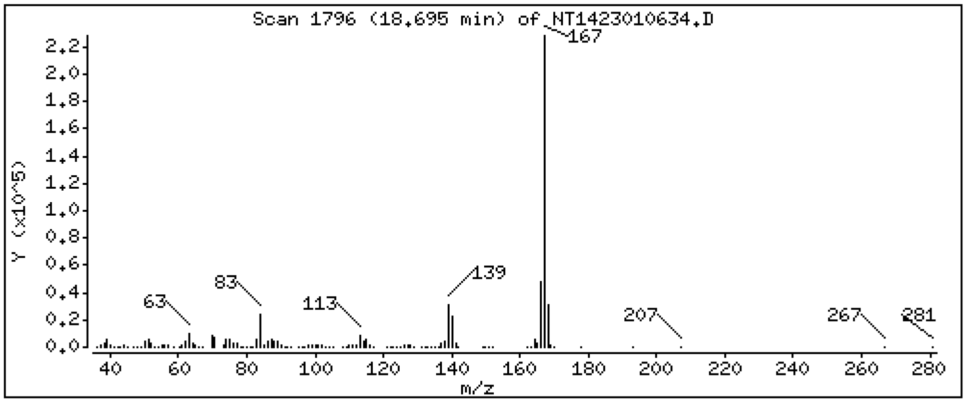
Client ID: Instrument: nt14.i

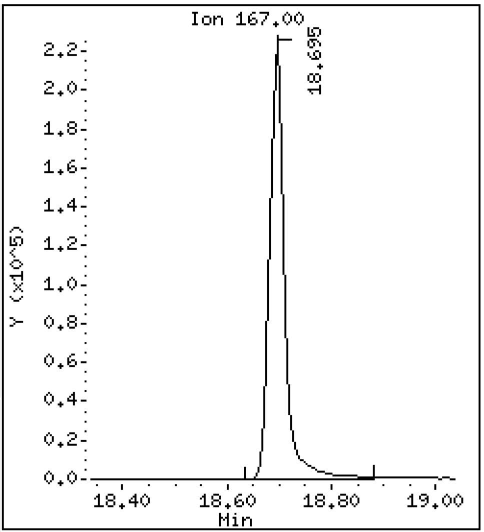
Sample Info: SLA0068-CCV1

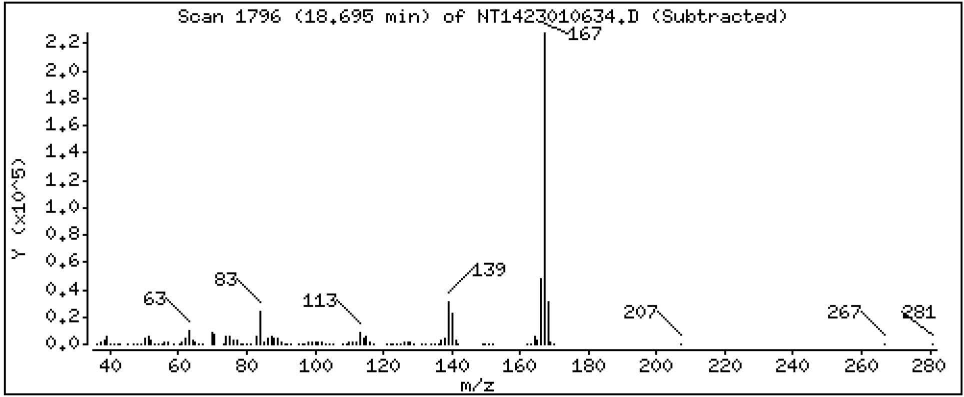
Operator: VTS

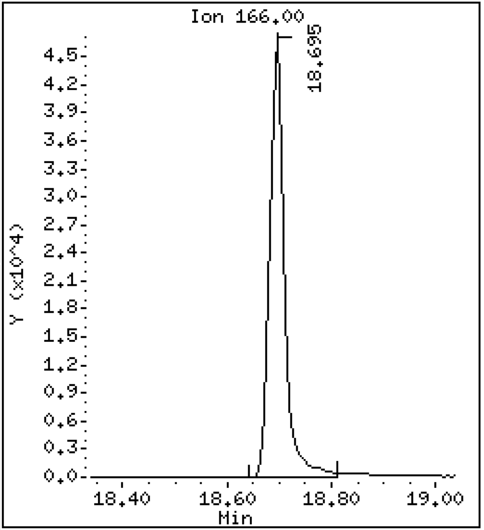
Column phase: ZB-5msi Column diameter: 0.25

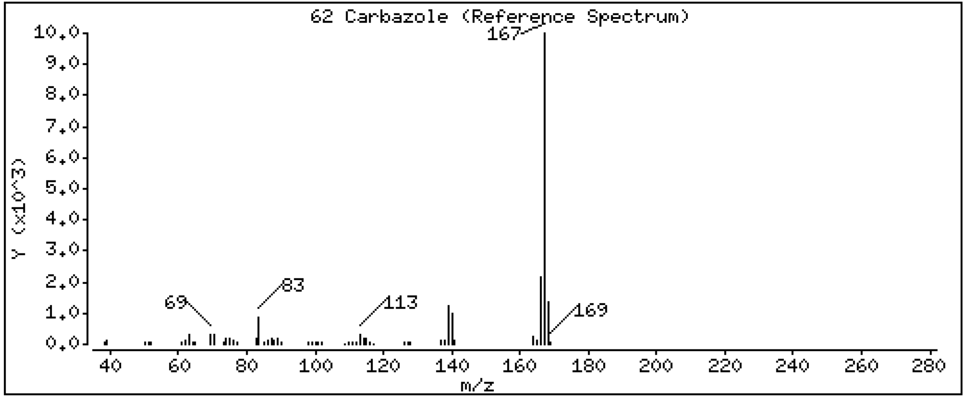
62 Carbazole Concentration: 5.499 ug/mL

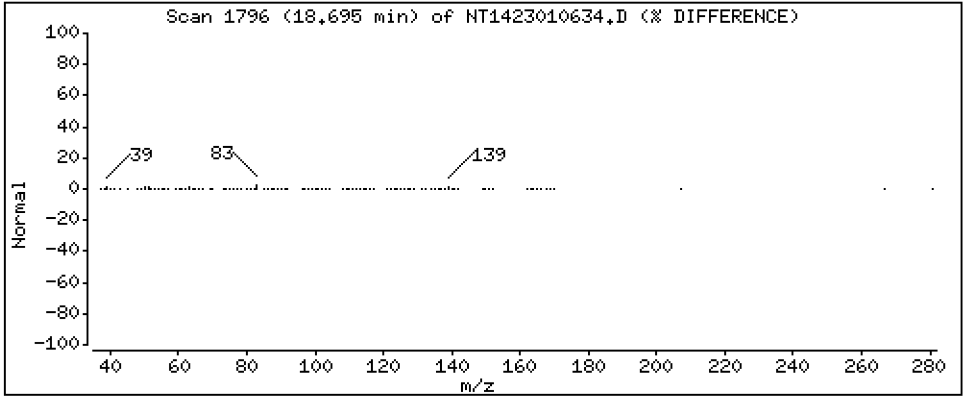


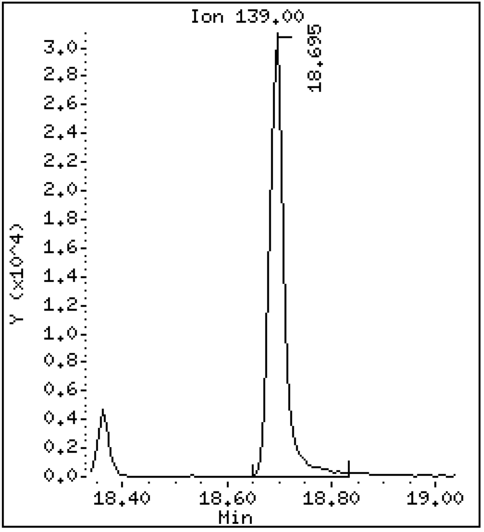












Data File: \\target\share\chem3\nt14.i\20230106.b\NT1423010634.D

Date : 07-JAN-2023 07:27

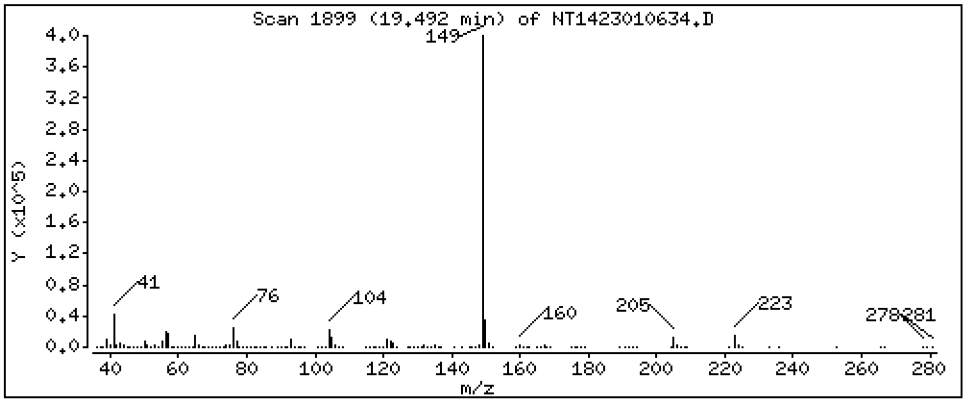
Client ID: Instrument: nt14.i

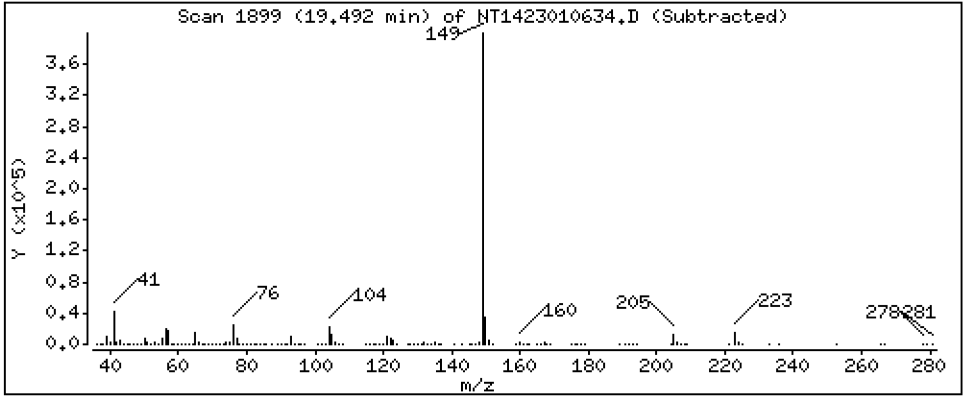
Sample Info: SLA0068-CCV1

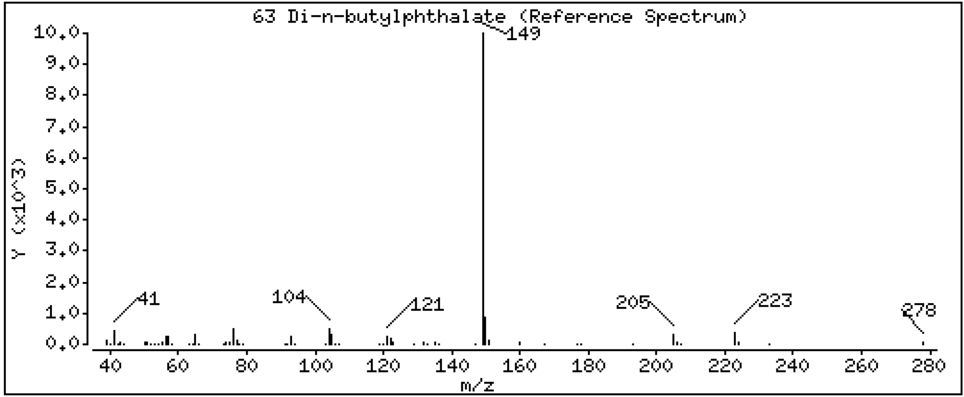
Operator: VTS

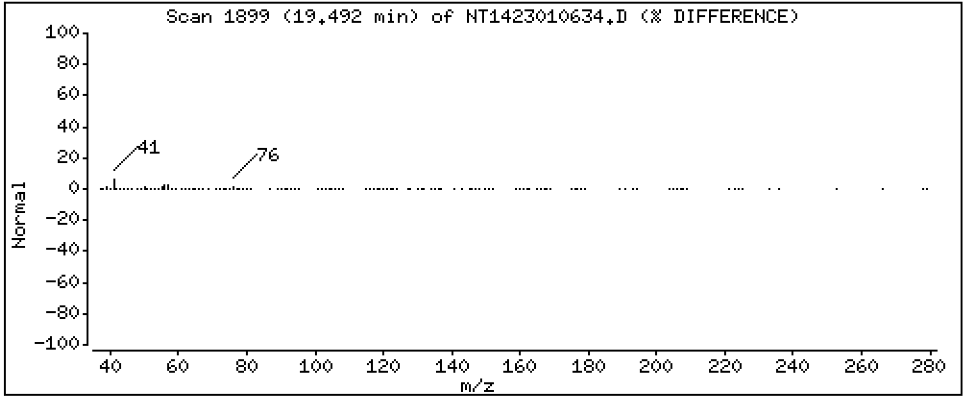
Column phase: ZB-5msi Column diameter: 0.25

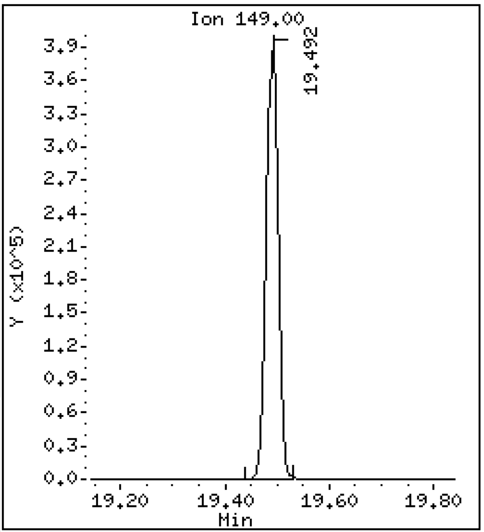
63 Di-n-butylphthalate Concentration: 6.198 ug/mL

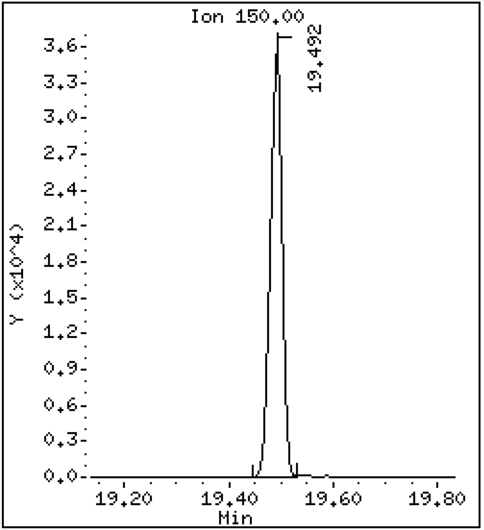

Scan 1899 (19.492 min) of NT1423010634.D

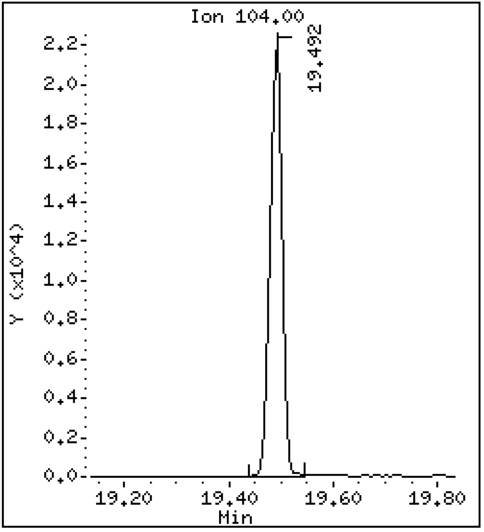

Scan 1899 (19.492 min) of NT1423010634.D (Subtracted)


63 Di-n-butylphthalate (Reference Spectrum)


Scan 1899 (19.492 min) of NT1423010634.D (% DIFFERENCE)


Ion 149.00


Ion 150.00


Ion 104.00

Date : 07-JAN-2023 07:27

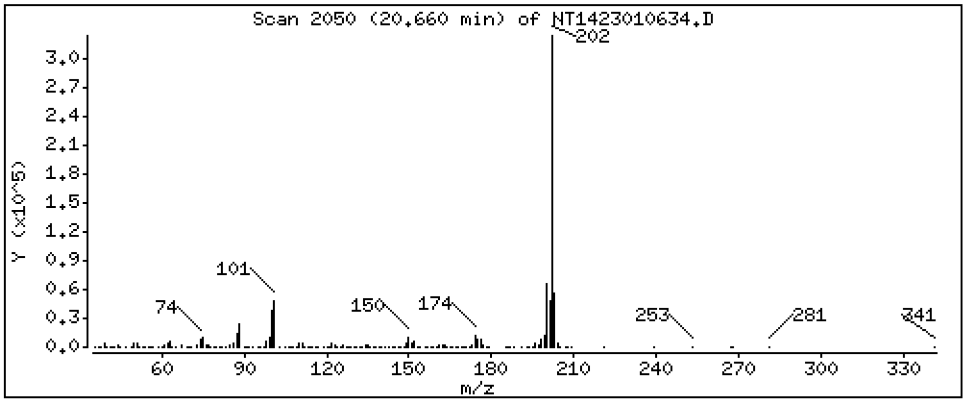
Client ID: Instrument: nt14.i

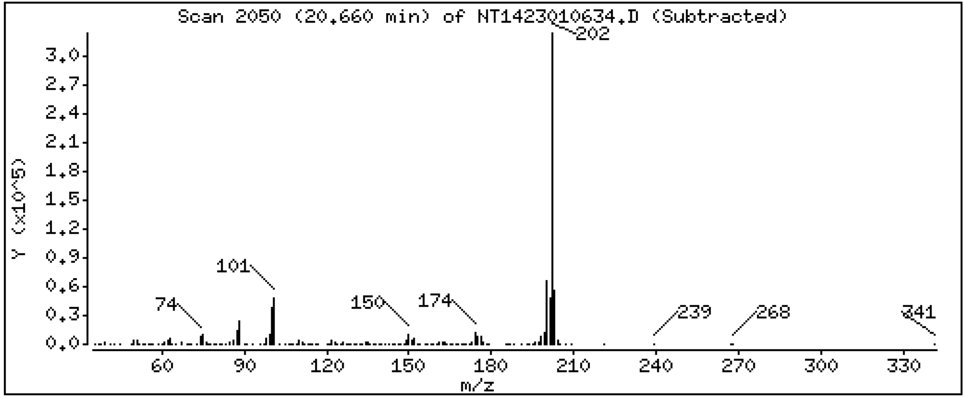
Sample Info: SLA0068-CCV1

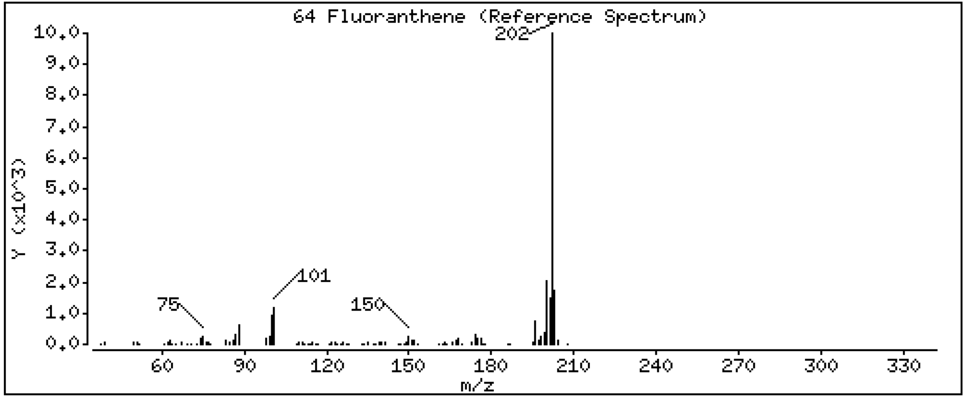
Operator: VTS

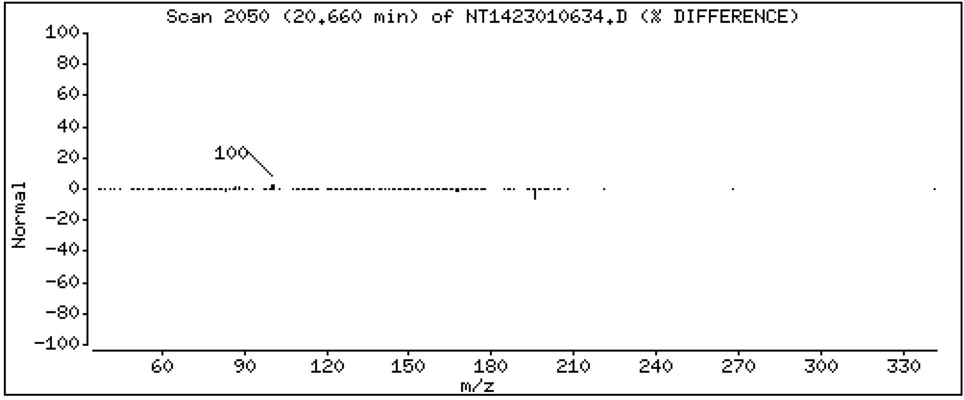
Column phase: ZB-5msi Column diameter: 0.25

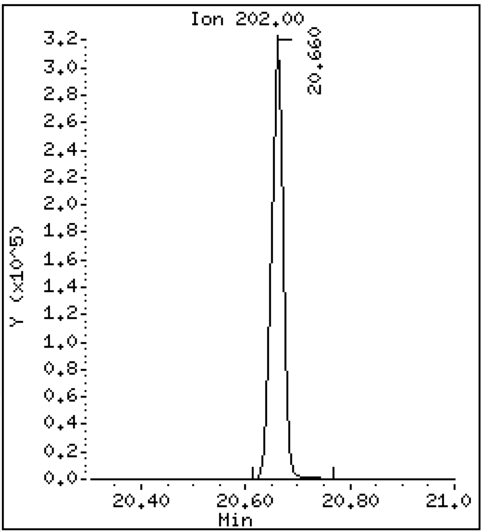
64 Fluoranthene Concentration: 5.936 ug/mL

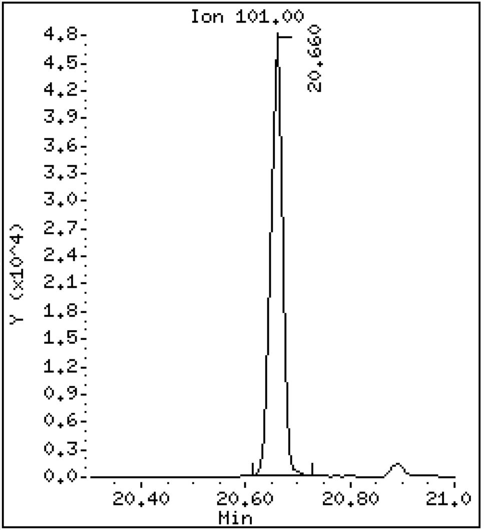

Scan 2050 (20.660 min) of NT1423010634.D

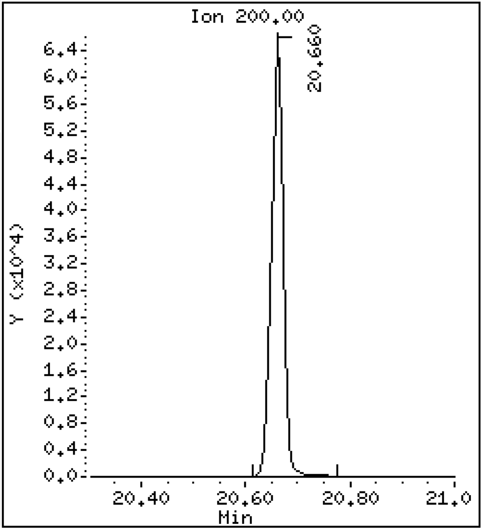

Scan 2050 (20.660 min) of NT1423010634.D (Subtracted)


64 Fluoranthene (Reference Spectrum)


Scan 2050 (20.660 min) of NT1423010634.D (% DIFFERENCE)


Ion 202.00


Ion 101.00


Ion 200.00

Data File: \\target\share\chem3\nt14.i\20230106.b\NT1423010634.D

Date : 07-JAN-2023 07:27

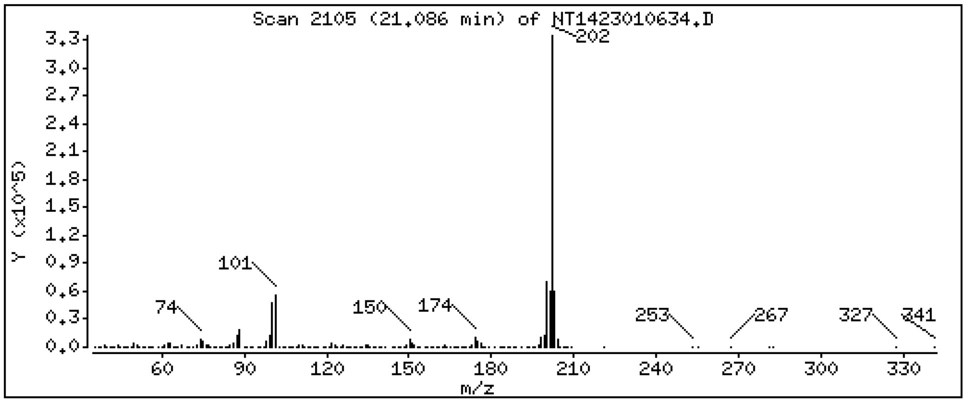
Client ID: Instrument: nt14.i

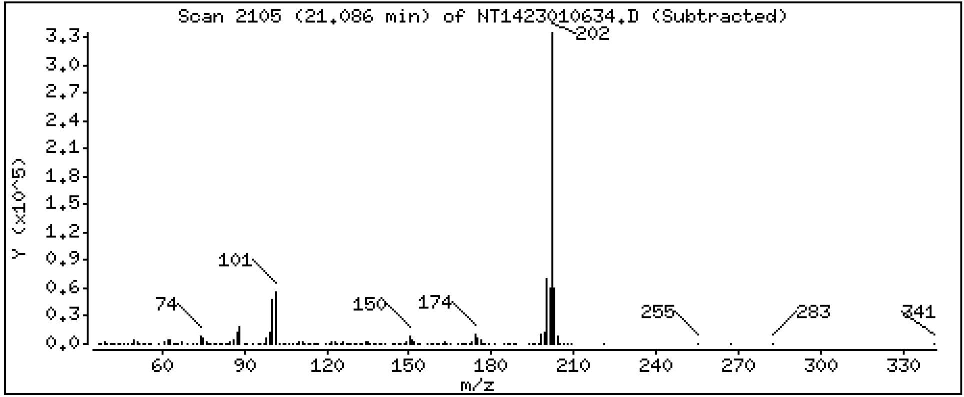
Sample Info: SLA0068-CCV1

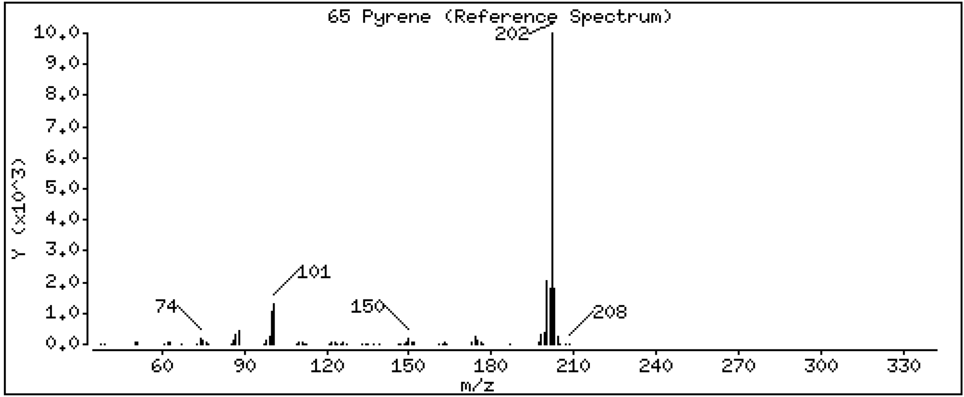
Operator: VTS

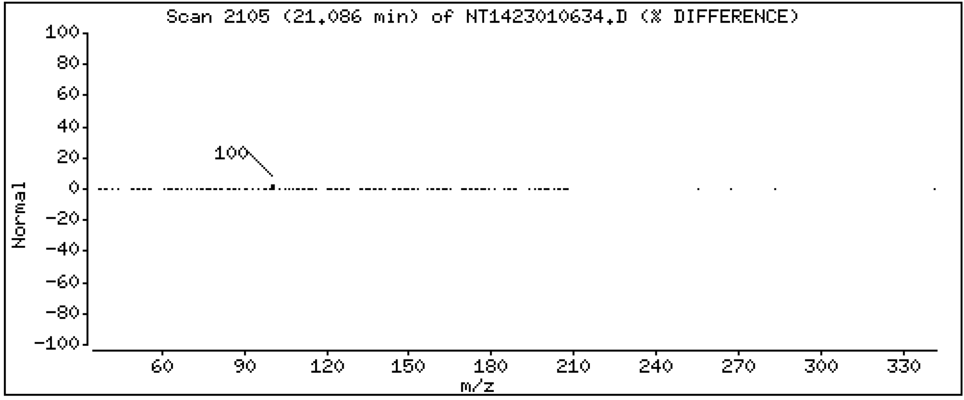
Column phase: ZB-5msi Column diameter: 0.25

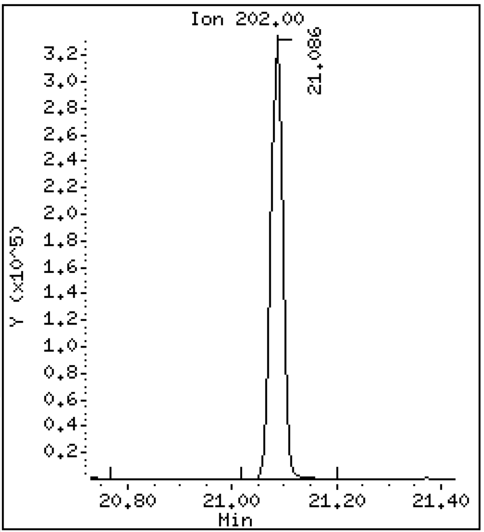
65 Pyrene Concentration: 5.821 ug/mL


Scan 2105 (21.086 min) of NT1423010634.D


Scan 2105 (21.086 min) of NT1423010634.D (Subtracted)


65 Pyrene (Reference Spectrum)


Scan 2105 (21.086 min) of NT1423010634.D (% DIFFERENCE)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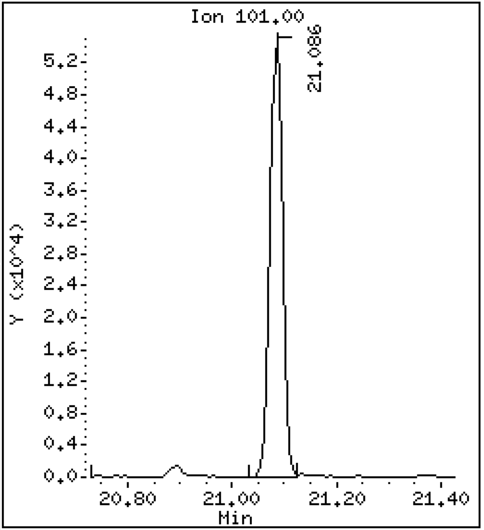
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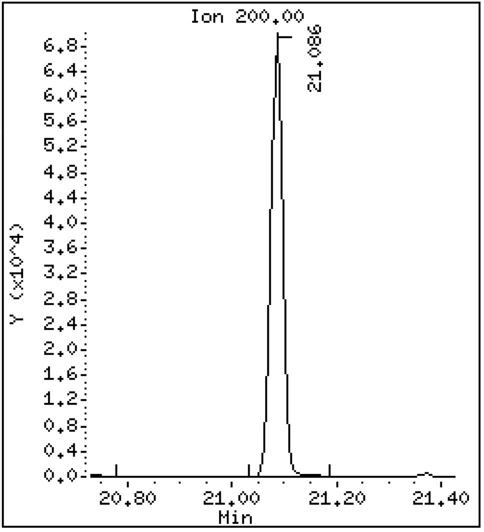
Ion 200.00

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Date : 07-JAN-2023 07:27

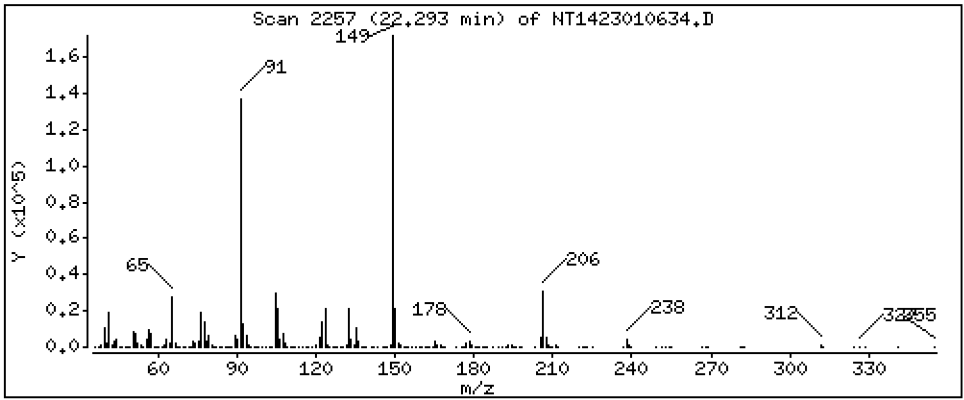
Client ID: Instrument: nt14.i

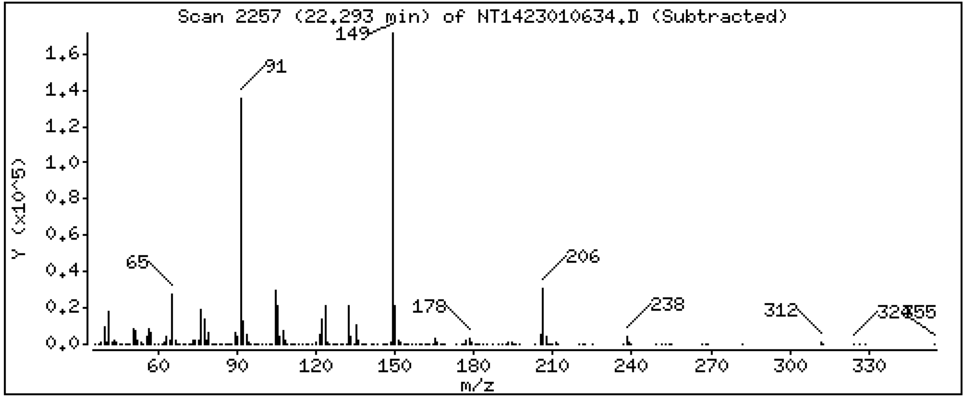
Sample Info: SLA0068-CCV1

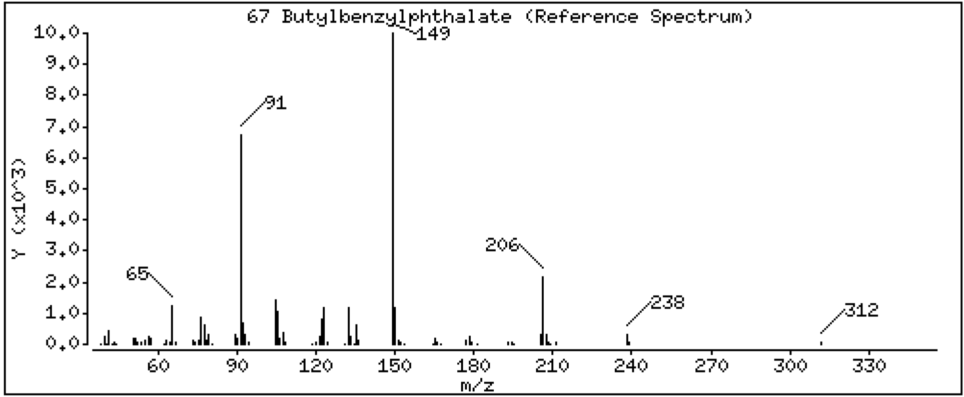
Operator: VTS

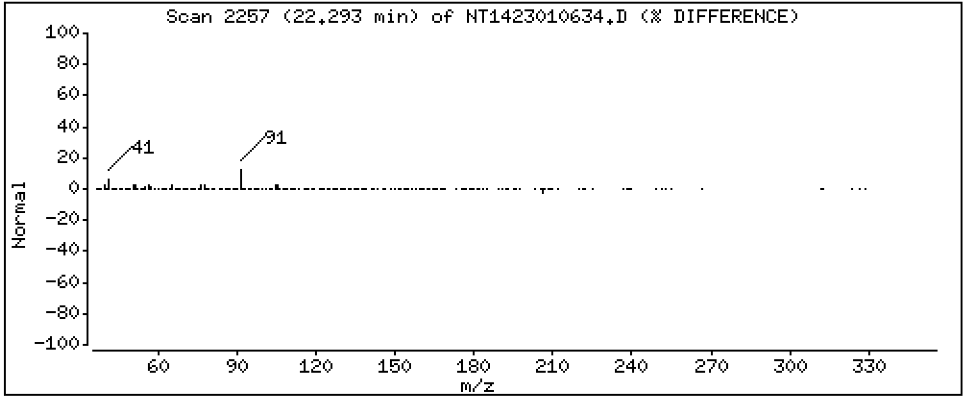
Column phase: ZB-5msi Column diameter: 0.25

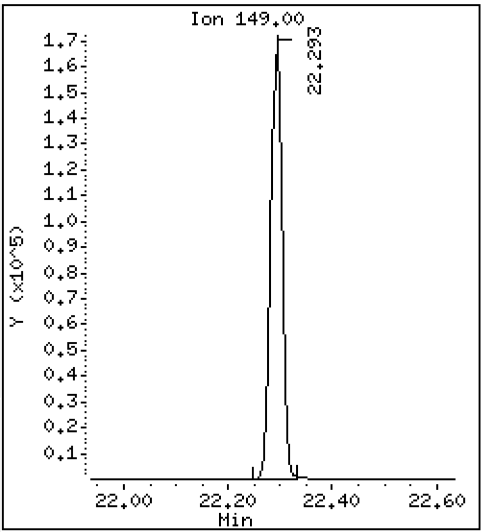
67 Butylbenzylphthalate Concentration: 7.211 ug/mL

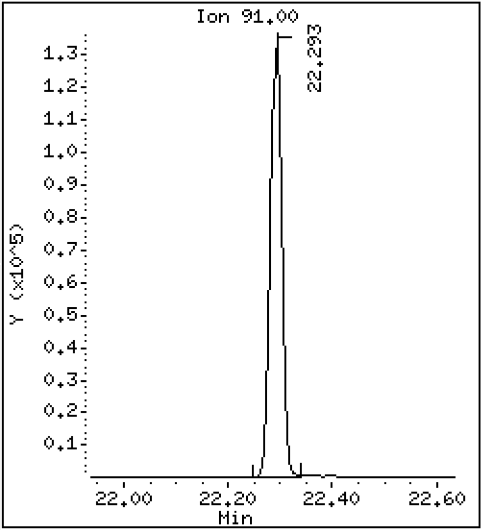

Scan 2257 (22.293 min) of NT1423010634.D

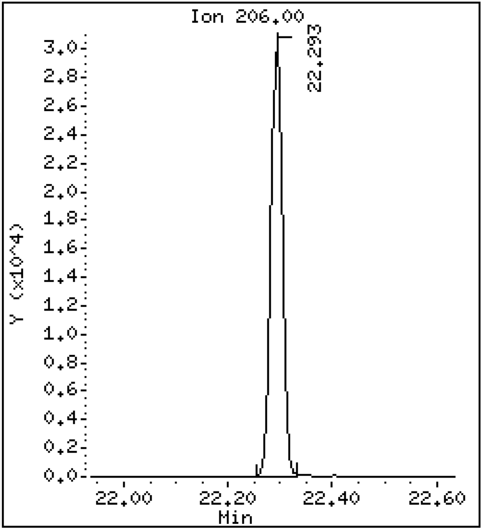

Scan 2257 (22.293 min) of NT1423010634.D (Subtracted)


67 Butylbenzylphthalate (Reference Spectrum)


Scan 2257 (22.293 min) of NT1423010634.D (% DIFFERENCE)


Ion 149.00


Ion 91.00


Ion 206.00

Data File: \\target\share\chem3\nt14.i\20230106.b\NT1423010634.D

Date : 07-JAN-2023 07:27

Client ID:

Instrument: nt14.i

Sample Info: SLA0068-CCV1

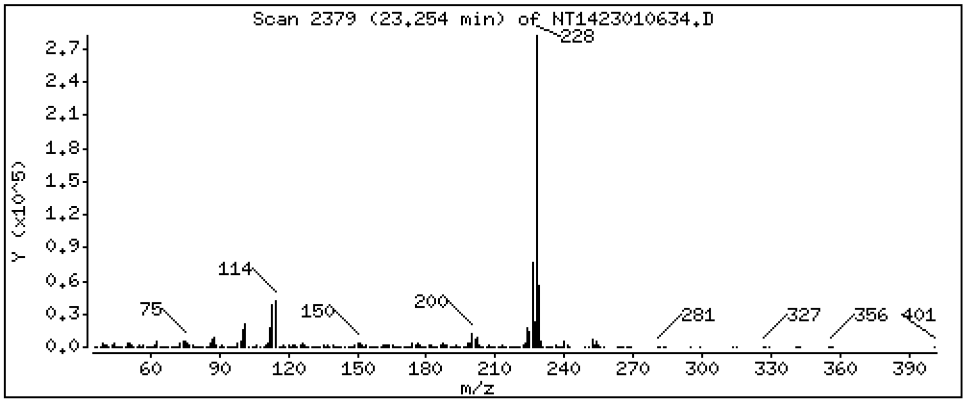
Operator: VTS

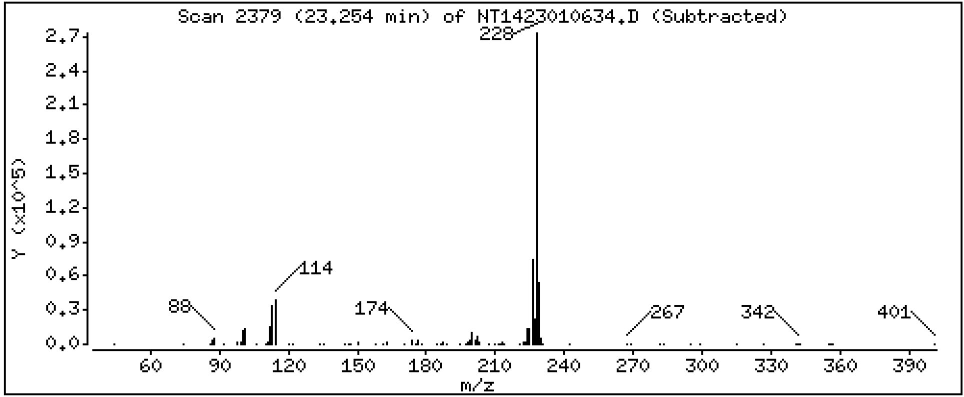
Column phase: ZB-5msi

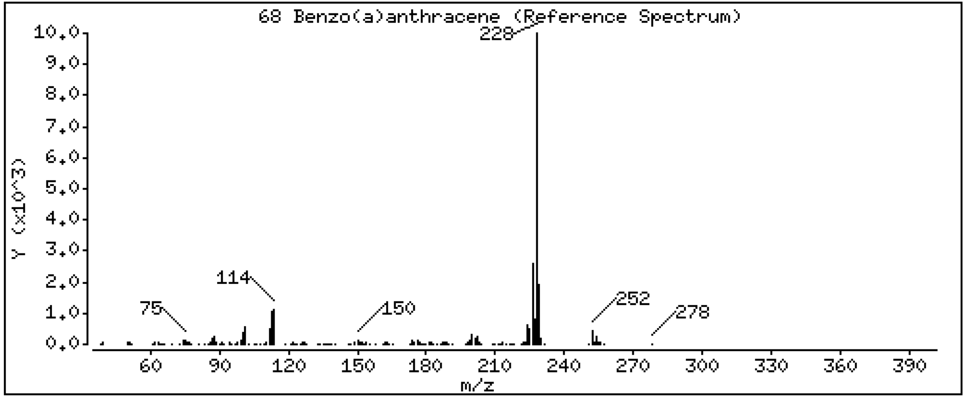
Column diameter: 0.25

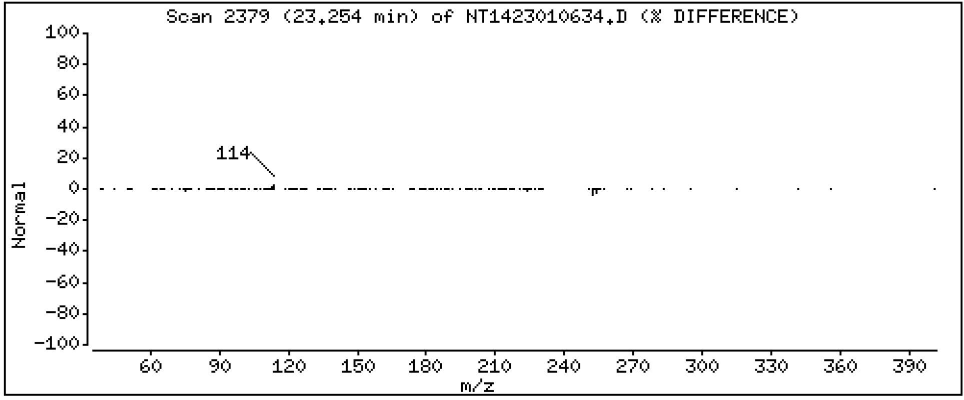
68 Benzo(a)anthracene

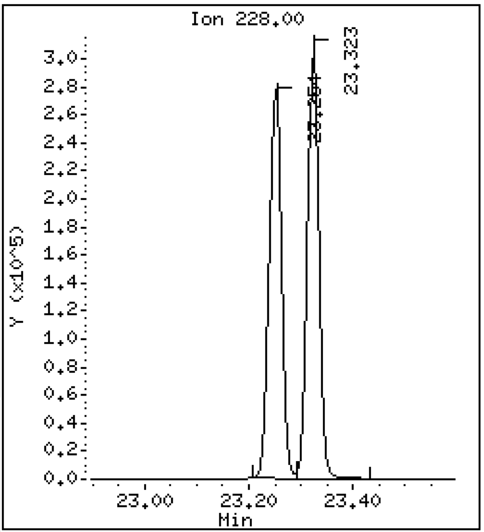
Concentration: 5.738 ug/mL

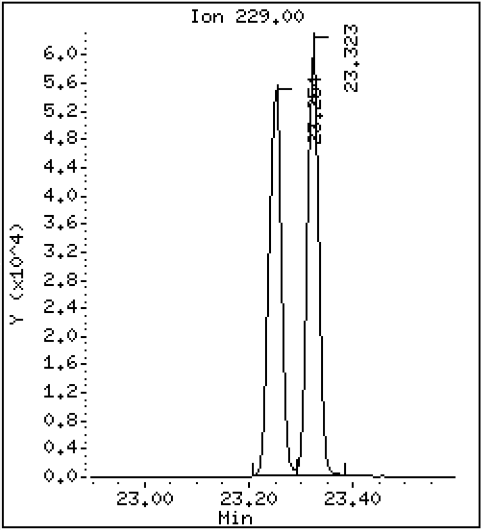

Scan 2379 (23.254 min) of NT1423010634.D

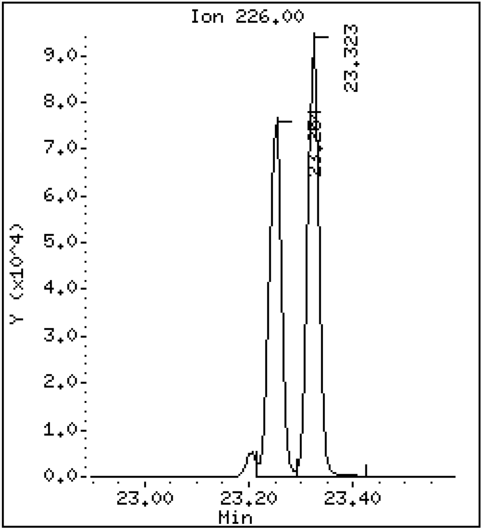

Scan 2379 (23.254 min) of NT1423010634.D (Subtracted)


68 Benzo(a)anthracene (Reference Spectrum)


Scan 2379 (23.254 min) of NT1423010634.D (% DIFFERENCE)


Ion 228.00


Ion 229.00


Ion 226.00

Date : 07-JAN-2023 07:27

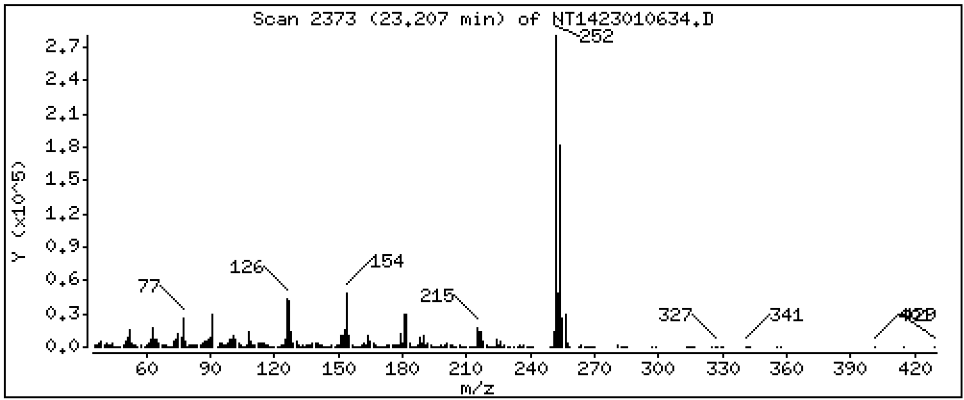
Client ID: Instrument: nt14.i

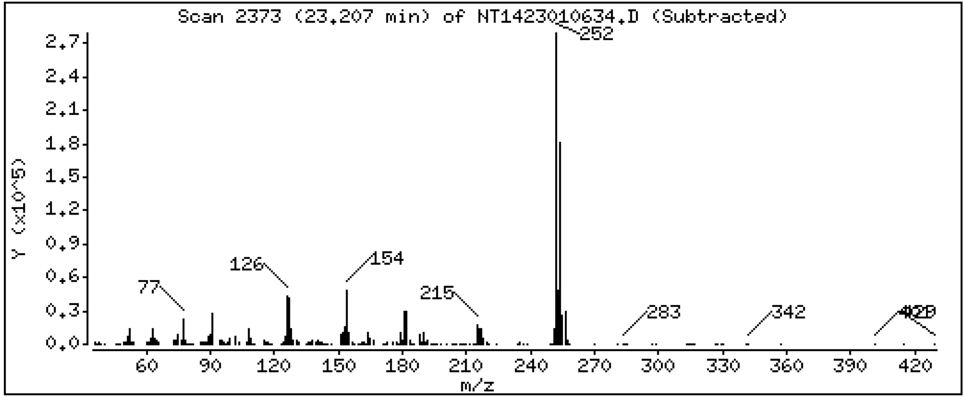
Sample Info: SLA0068-CCV1

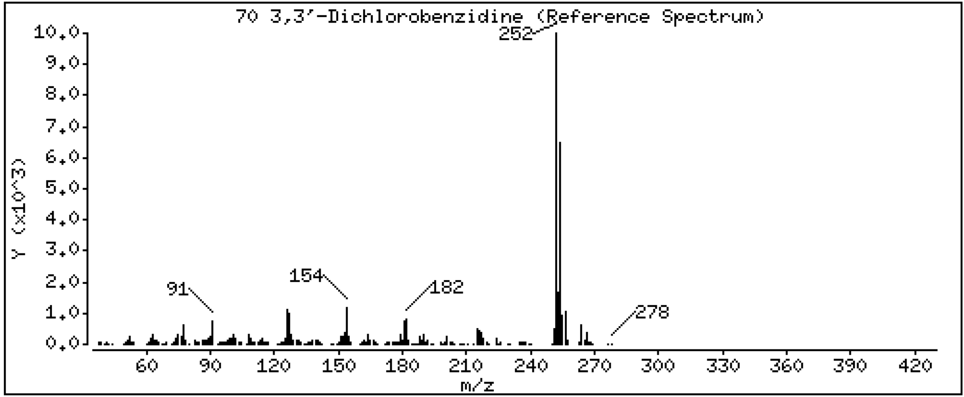
Operator: VTS

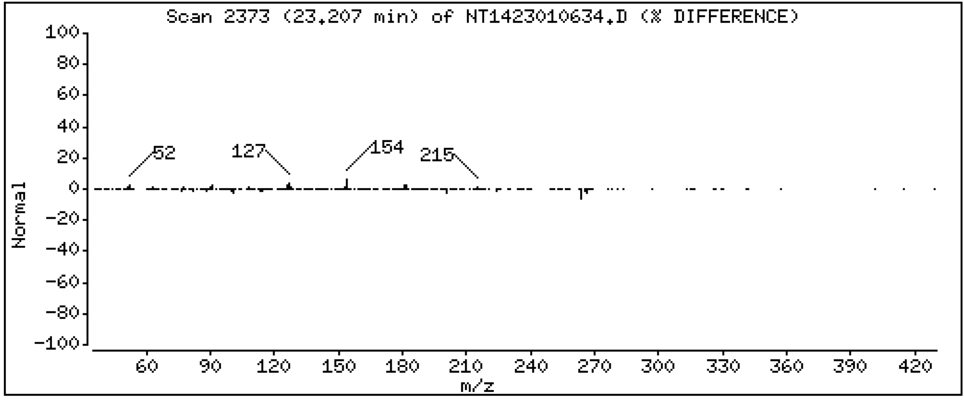
Column phase: ZB-5msi Column diameter: 0.25

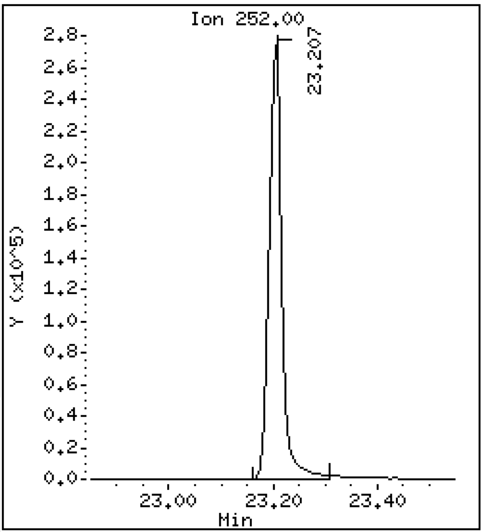
70 3,3'-Dichlorobenzidine Concentration: 18.80 ug/mL

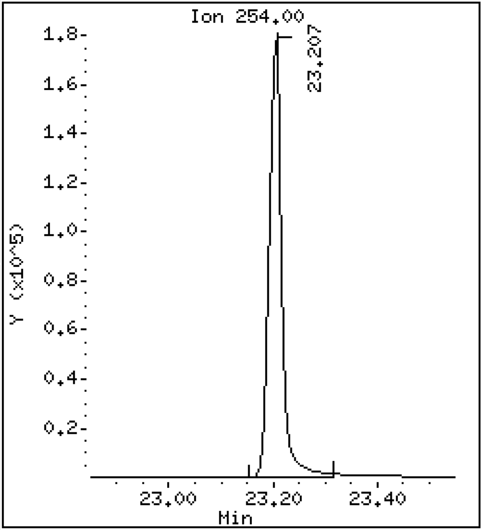

Scan 2373 (23.207 min) of NT1423010634.D

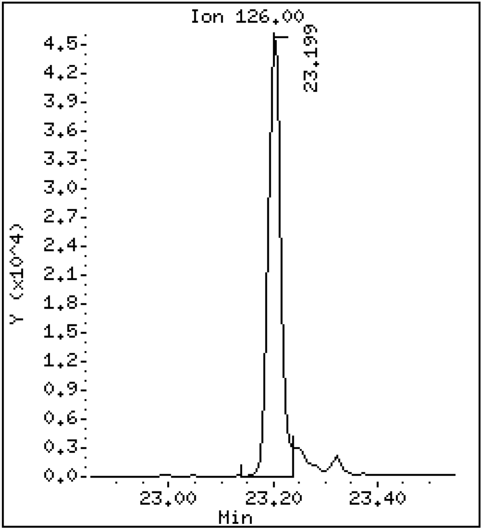

Scan 2373 (23.207 min) of NT1423010634.D (Subtracted)


70 3,3'-Dichlorobenzidine (Reference Spectrum)


Scan 2373 (23.207 min) of NT1423010634.D (% DIFFERENCE)


Ion 252.00


Ion 254.00


Ion 126.00

Data File: \\target\share\chem3\nt14.i\20230106.b\NT1423010634.D

Date : 07-JAN-2023 07:27

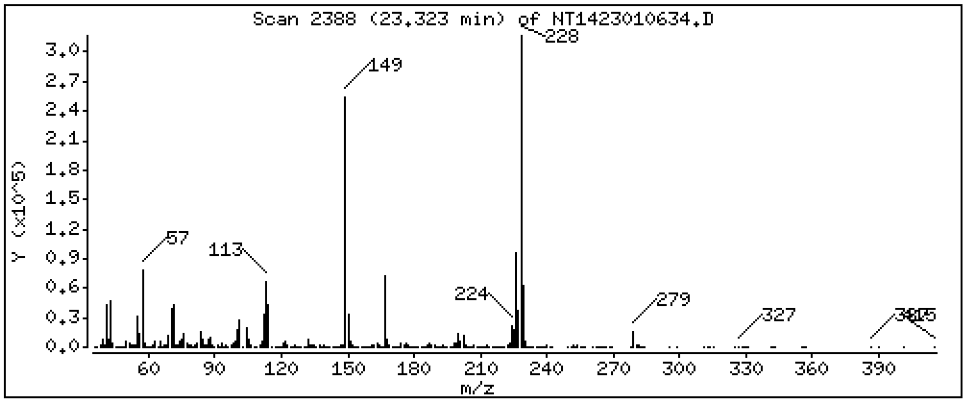
Client ID: Instrument: nt14.i

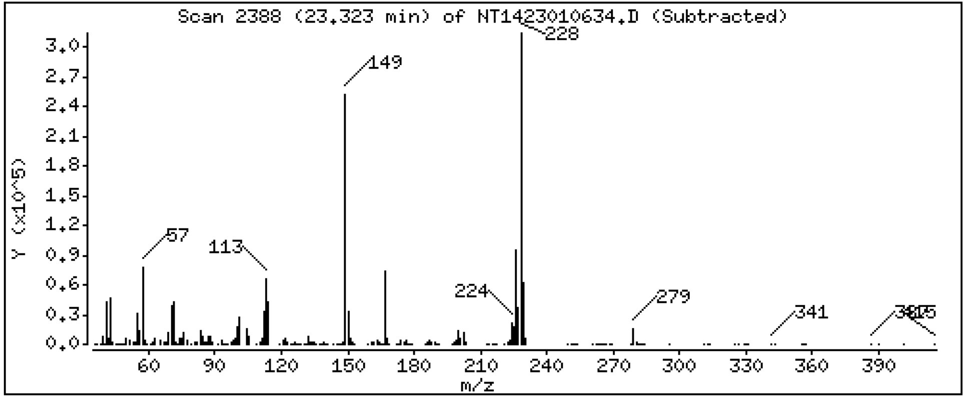
Sample Info: SLA0068-CCV1

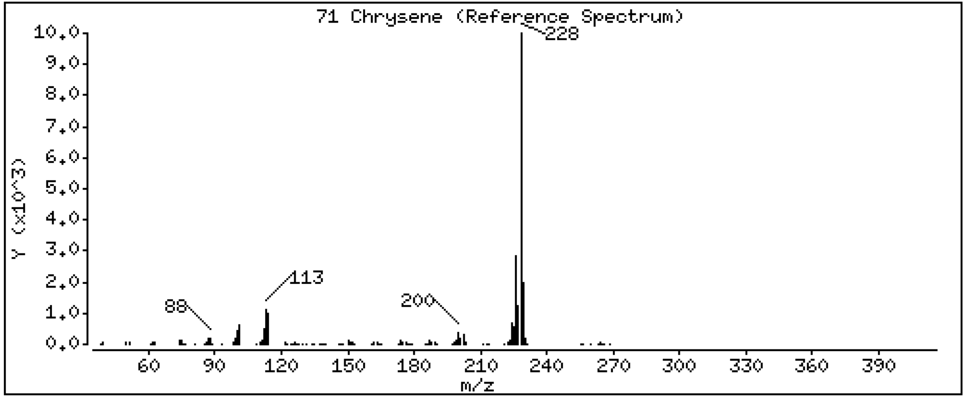
Operator: VTS

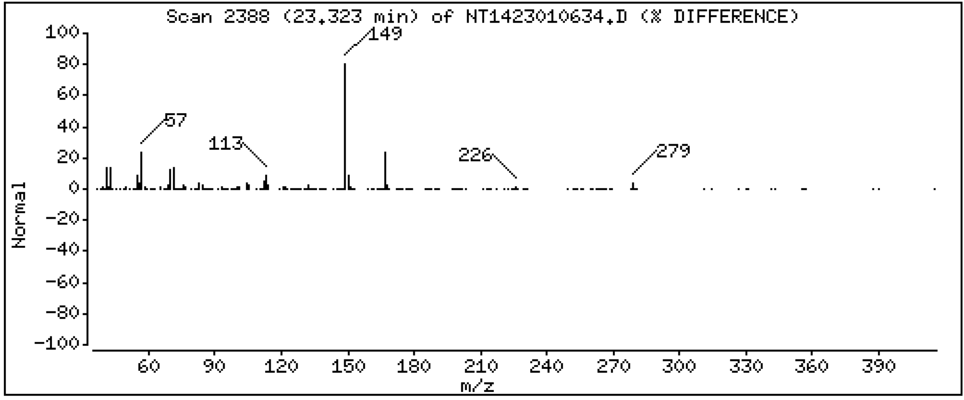
Column phase: ZB-5msi Column diameter: 0.25

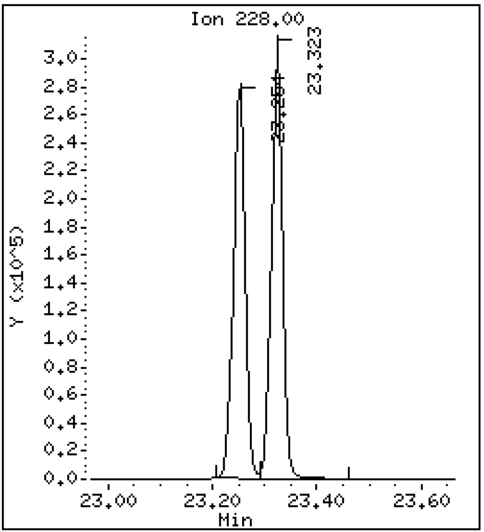
71 Chrysene Concentration: 6.046 ug/mL


Scan 2388 (23.323 min) of NT1423010634.D


Scan 2388 (23.323 min) of NT1423010634.D (Subtracted)


71 Chrysene (Reference Spectrum)


Scan 2388 (23.323 min) of NT1423010634.D (% DIFFERENCE)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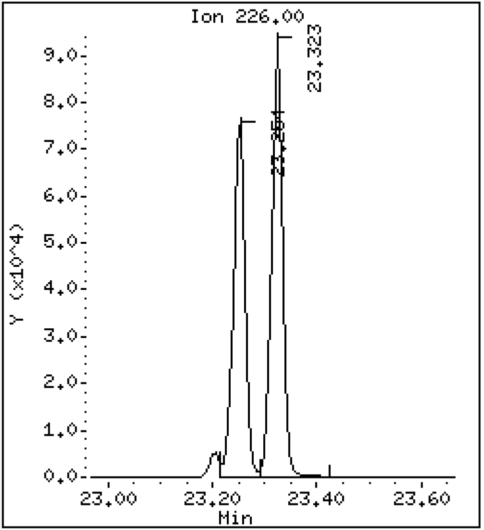
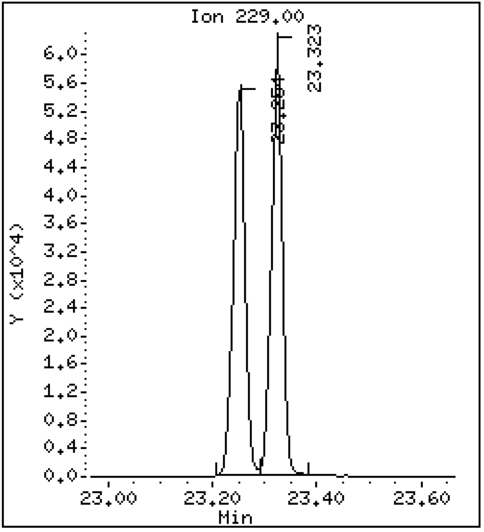

Ion 226.00


Ion 229.00

Data File: \\target\share\chem3\nt14.i\20230106.b\NT1423010634.D

Date : 07-JAN-2023 07:27

Client ID:

Instrument: nt14.i

Sample Info: SLA0068-CCV1

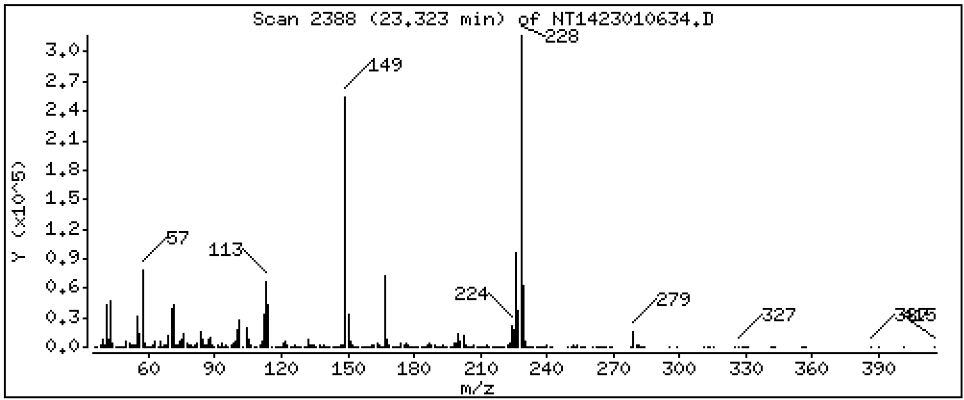
Operator: VTS

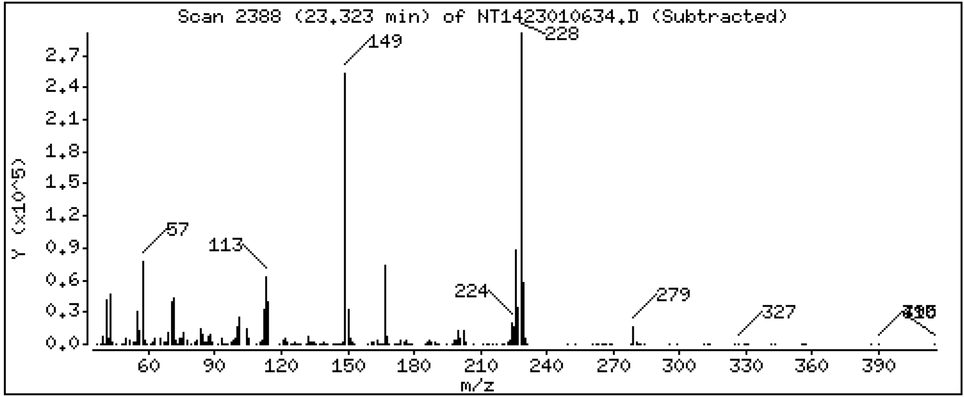
Column phase: ZB-5msi

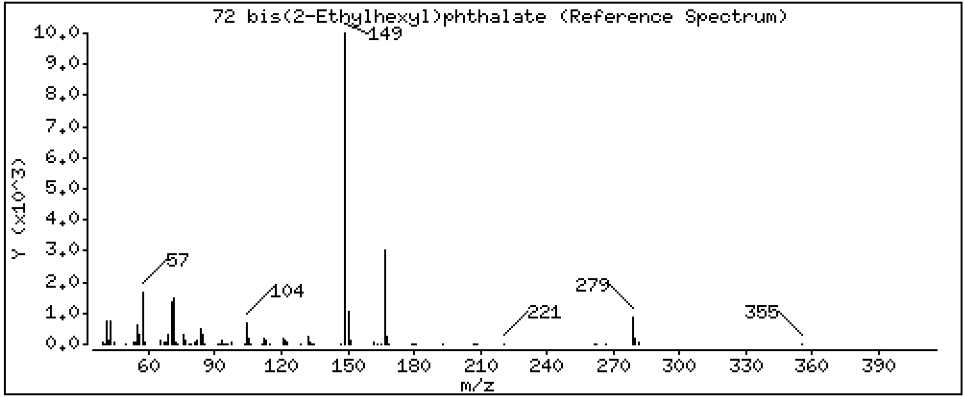
Column diameter: 0.25

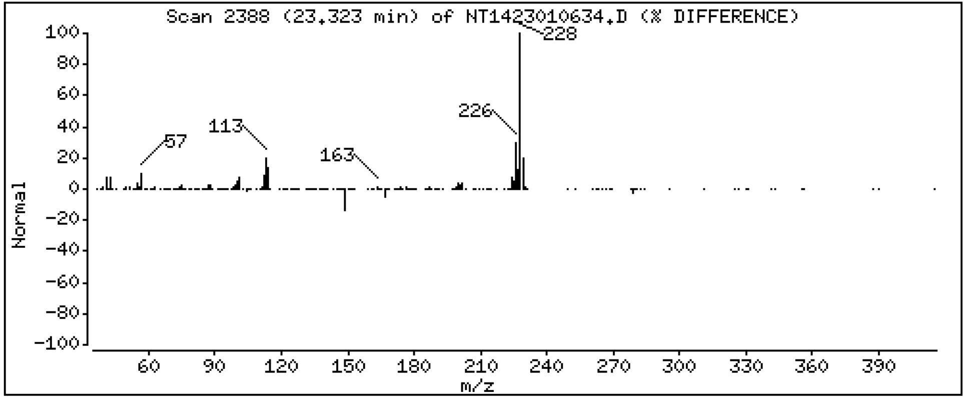
72 bis(2-Ethylhexyl)phthalate

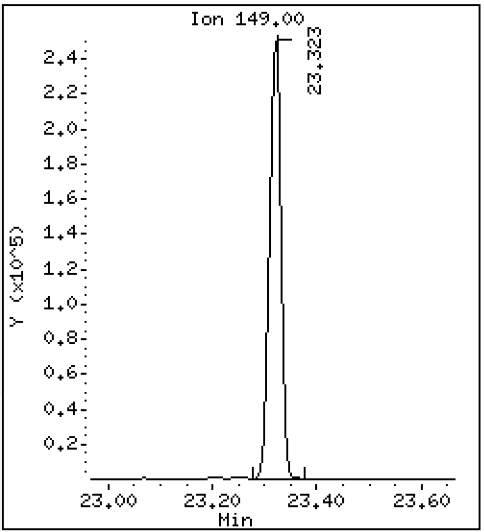
Concentration: 6.558 ug/mL

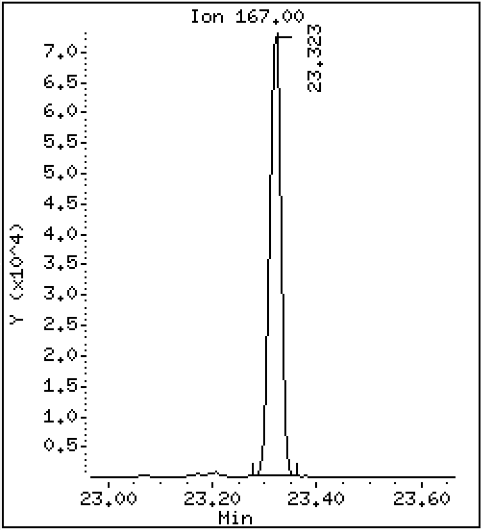

Scan 2388 (23.323 min) of NT1423010634.D

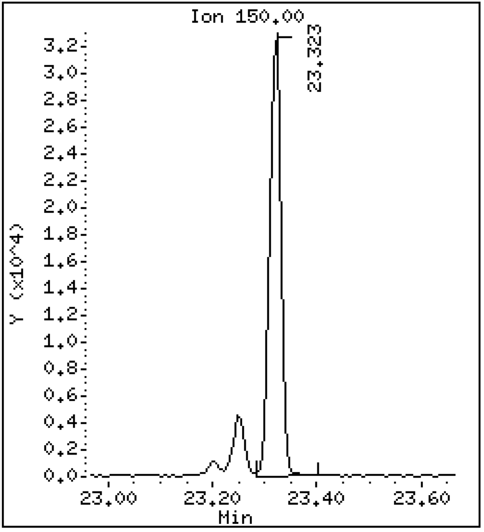

Scan 2388 (23.323 min) of NT1423010634.D (Subtracted)


72 bis(2-Ethylhexyl)phthalate (Reference Spectrum)


Scan 2388 (23.323 min) of NT1423010634.D (% DIFFERENCE)


Ion 149.00


Ion 167.00


Ion 150.00

Data File: \\target\share\chem3\nt14.i\20230106.b\NT1423010634.D

Date : 07-JAN-2023 07:27

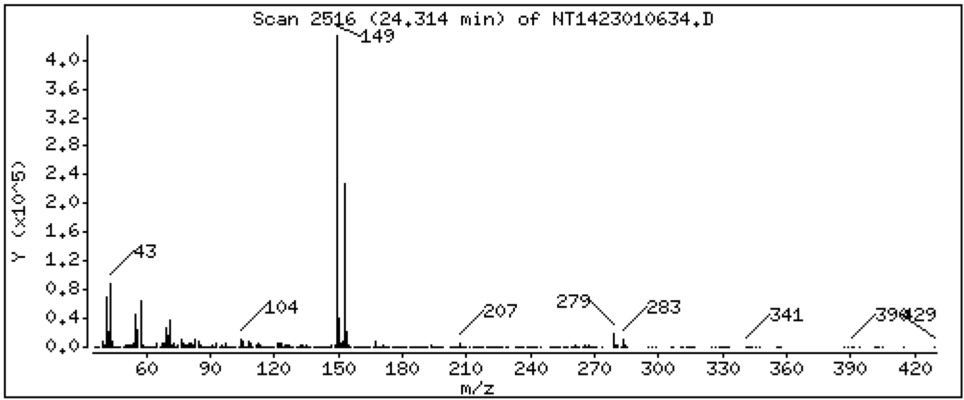
Client ID: Instrument: nt14.i

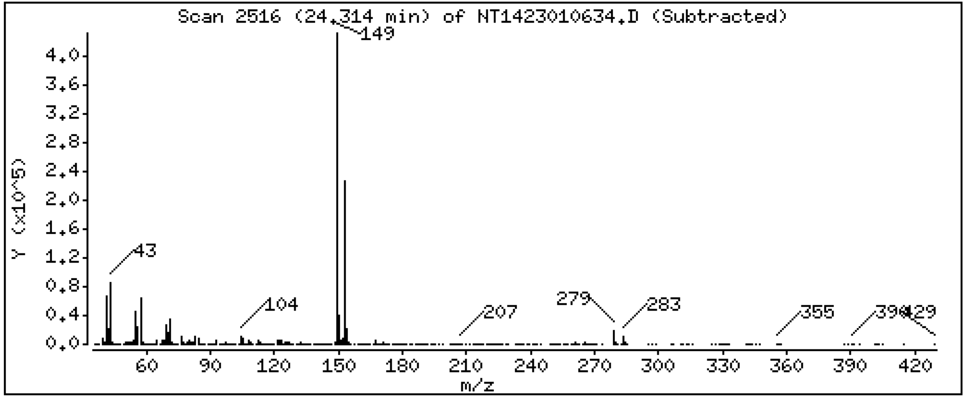
Sample Info: SLA0068-CCV1

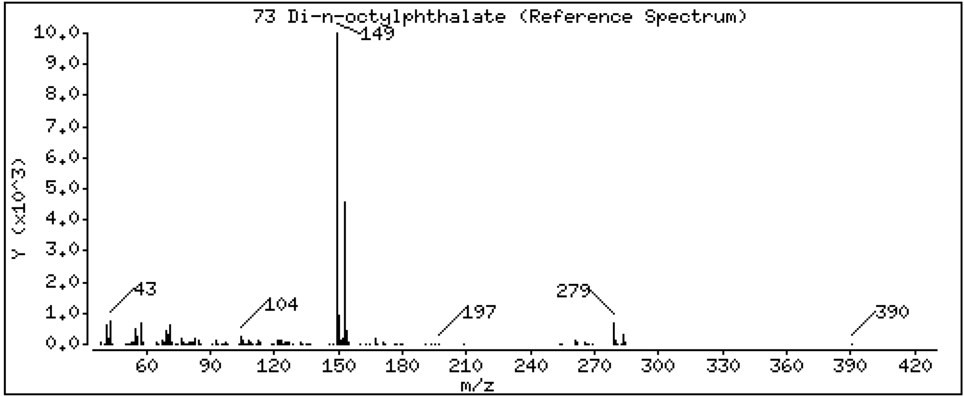
Operator: VTS

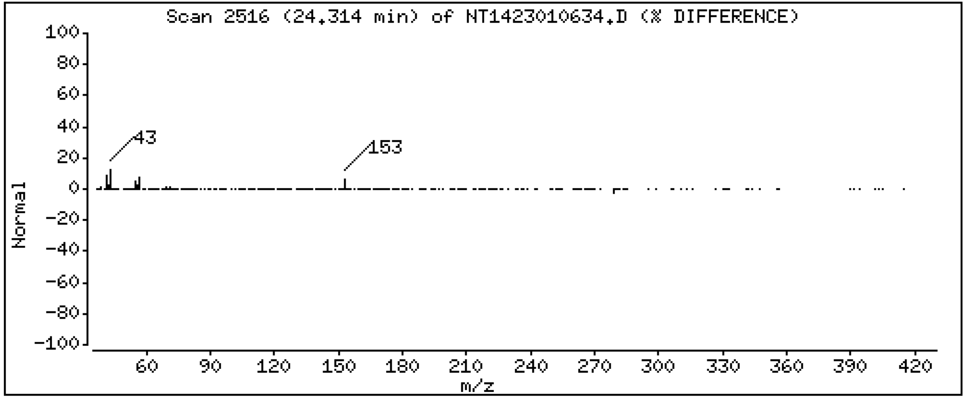
Column phase: ZB-5msi Column diameter: 0.25

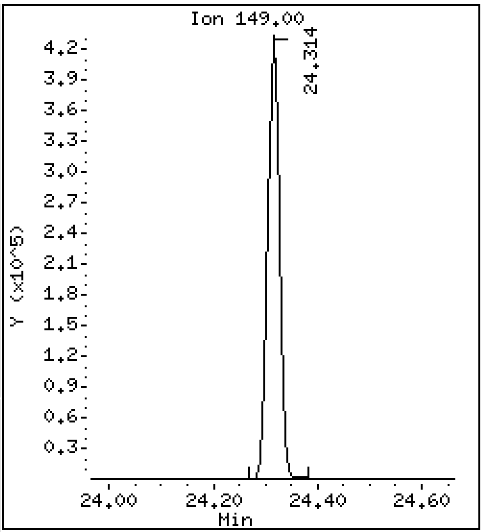
73 Di-n-octylphthalate Concentration: 5.283 ug/mL


Scan 2516 (24.314 min) of NT1423010634.D


Scan 2516 (24.314 min) of NT1423010634.D (Subtracted)


73 Di-n-octylphthalate (Reference Spectrum)


Scan 2516 (24.314 min) of NT1423010634.D (% DIFFERENCE)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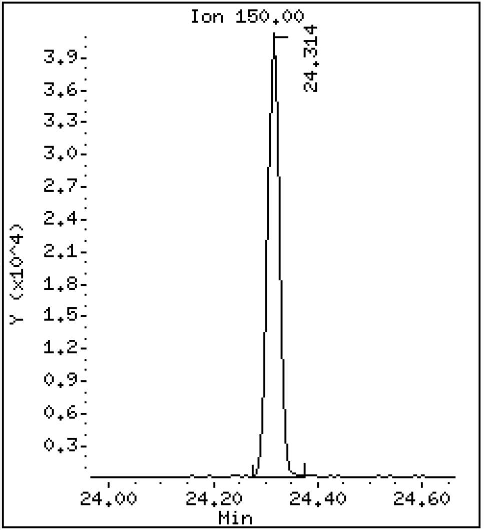
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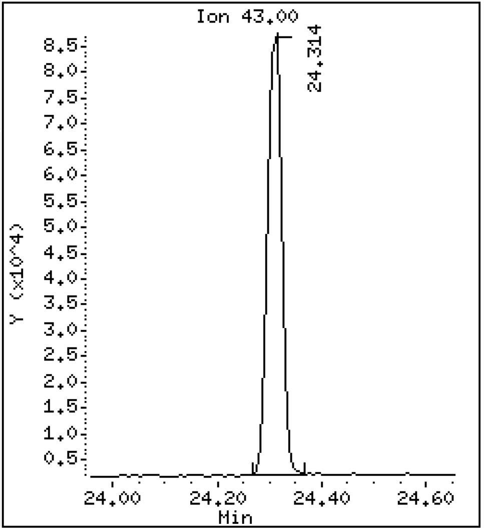

Ion 43.00

Data File: \\target\share\chem3\nt14.i\20230106.b\NT1423010634.D

Date : 07-JAN-2023 07:27

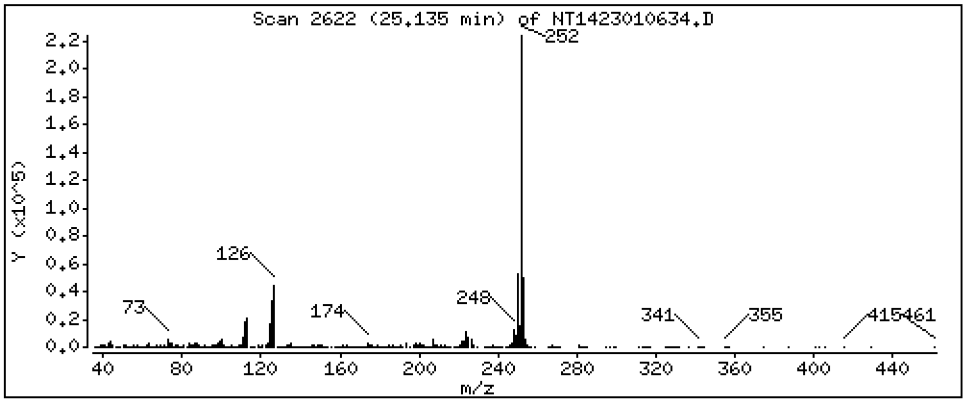
Client ID: Instrument: nt14.i

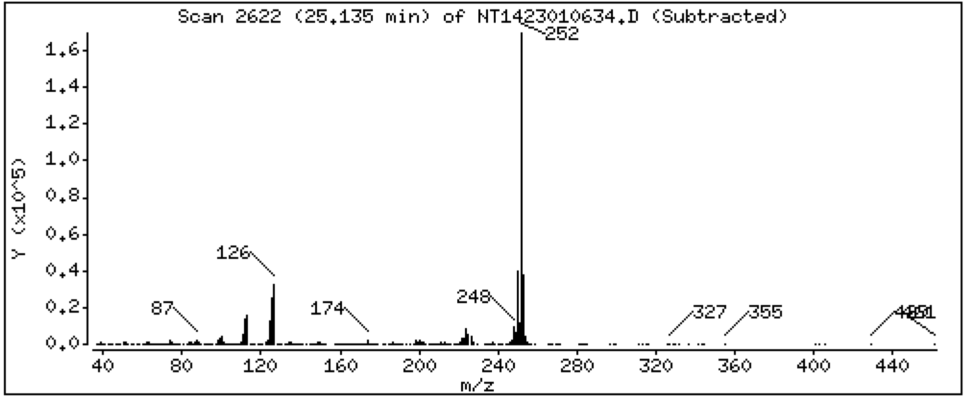
Sample Info: SLA0068-CCV1

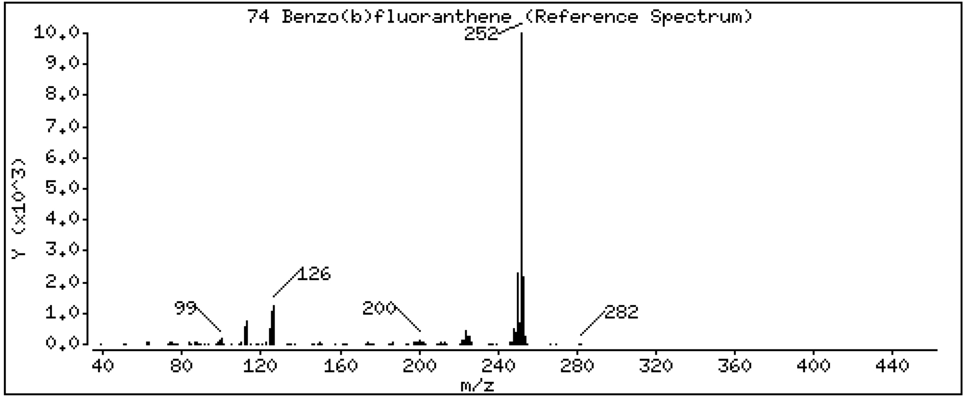
Operator: VTS

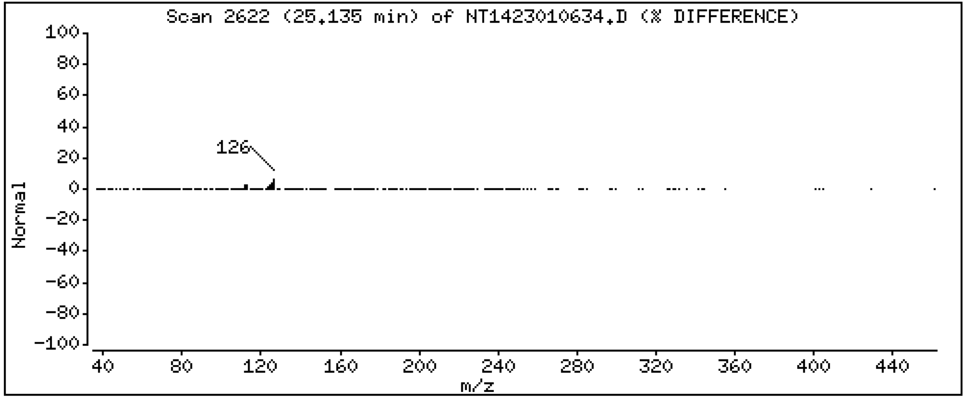
Column phase: ZB-5msi Column diameter: 0.25

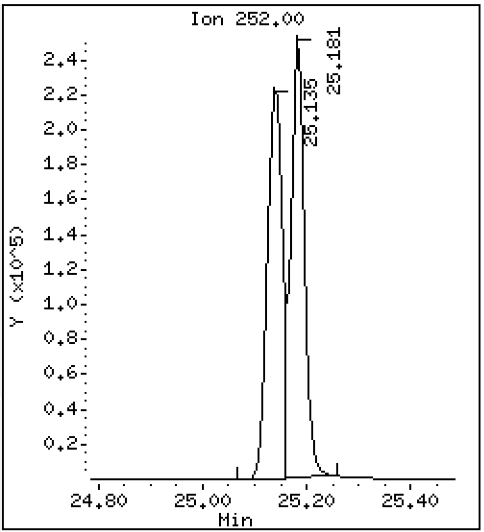
74 Benzo(b)fluoranthene Concentration: 5.059 ug/mL

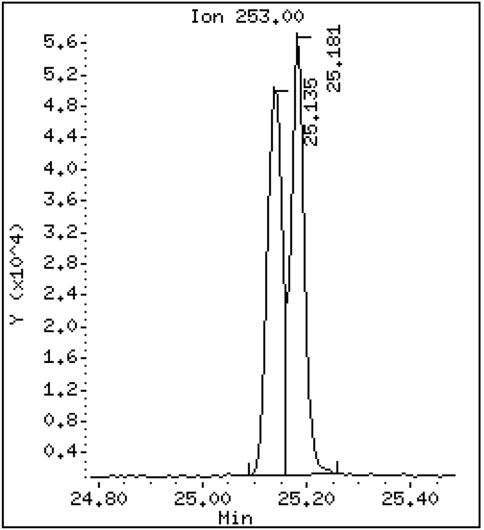


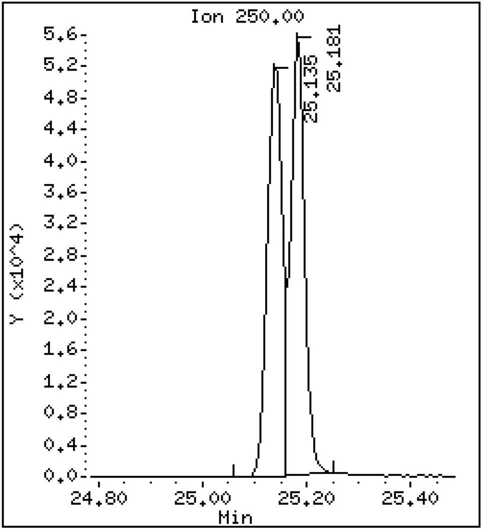












Data File: \\target\share\chem3\nt14.i\20230106.b\NT1423010634.D

Date : 07-JAN-2023 07:27

Client ID:

Instrument: nt14.i

Sample Info: SLA0068-CCV1

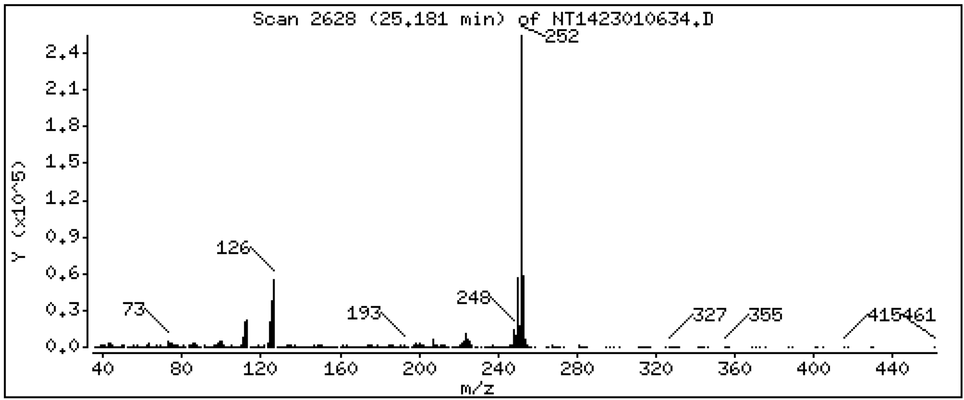
Operator: VTS

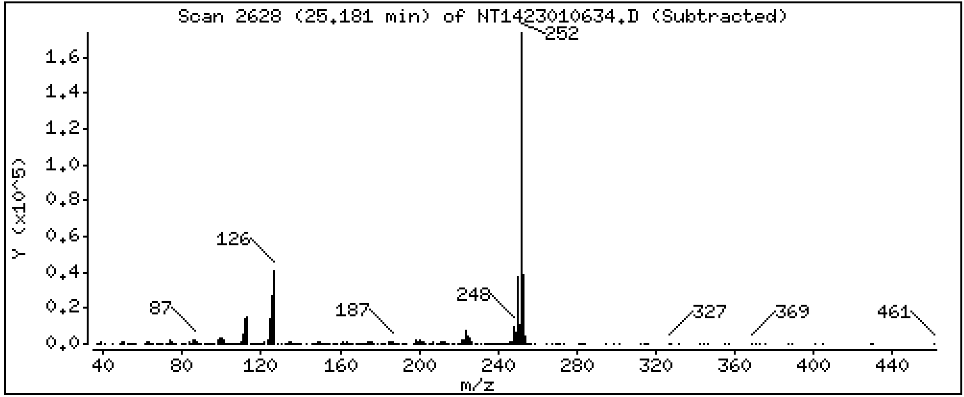
Column phase: ZB-5msi

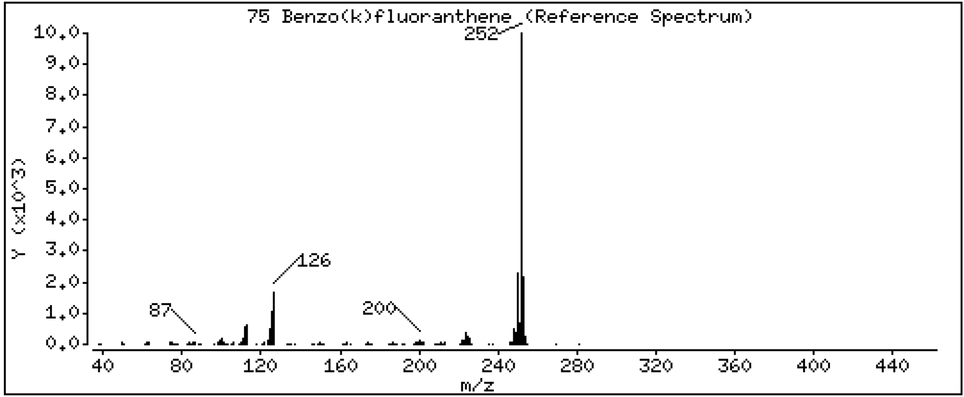
Column diameter: 0.25

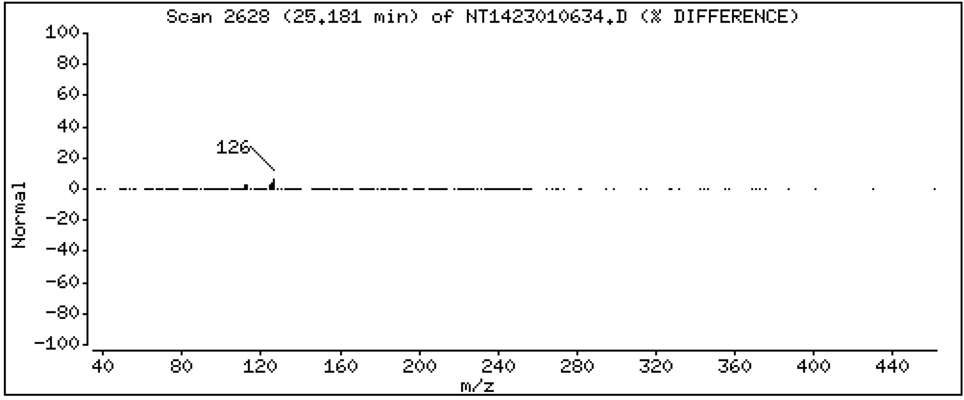
75 Benzo(k)fluoranthene

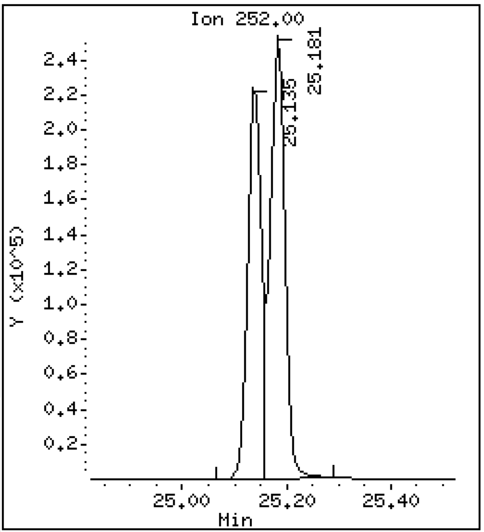
Concentration: 5.721 ug/mL

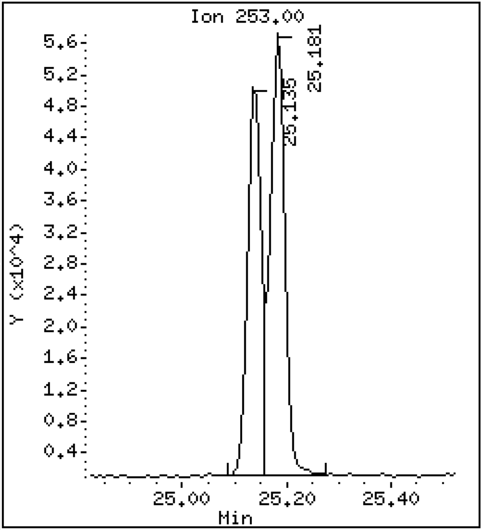

Scan 2628 (25.181 min) of NT1423010634.D

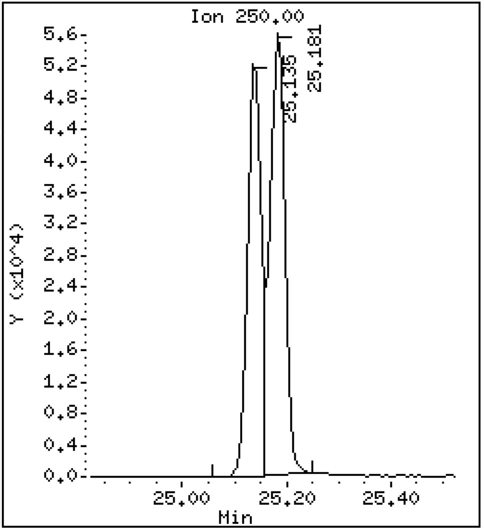

Scan 2628 (25.181 min) of NT1423010634.D (Subtracted)


75 Benzo(k)fluoranthene (Reference Spectrum)


Scan 2628 (25.181 min) of NT1423010634.D (% DIFFERENCE)


Ion 252.00


Ion 253.00


Ion 250.00

Data File: \\target\share\chem3\nt14.i\20230106.b\NT1423010634.D

Date : 07-JAN-2023 07:27

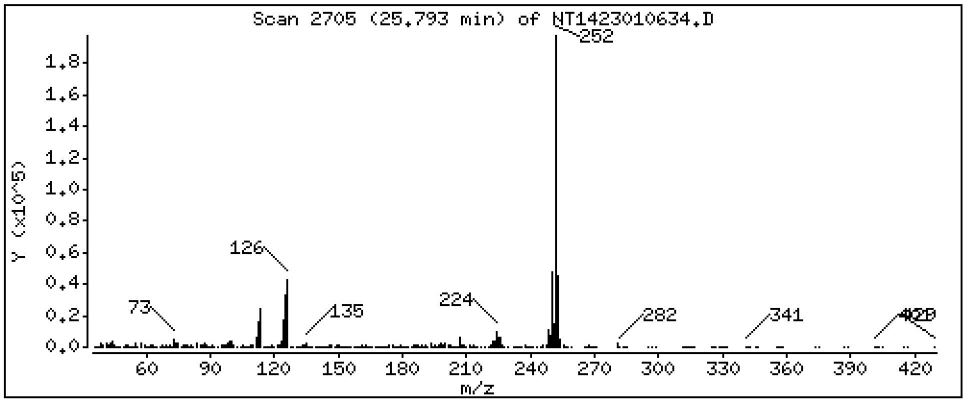
Client ID: Instrument: nt14.i

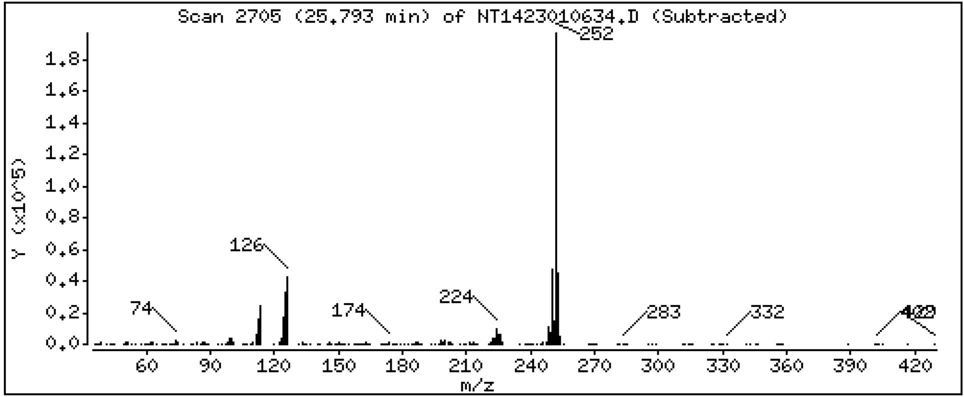
Sample Info: SLA0068-CCV1

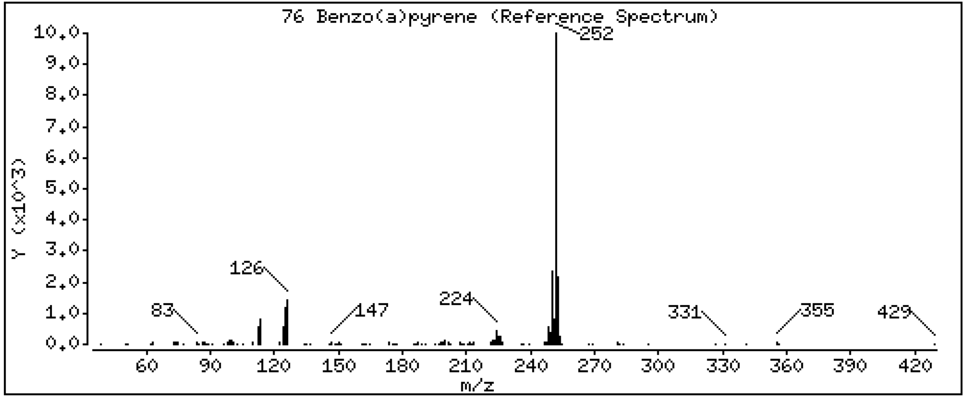
Operator: VTS

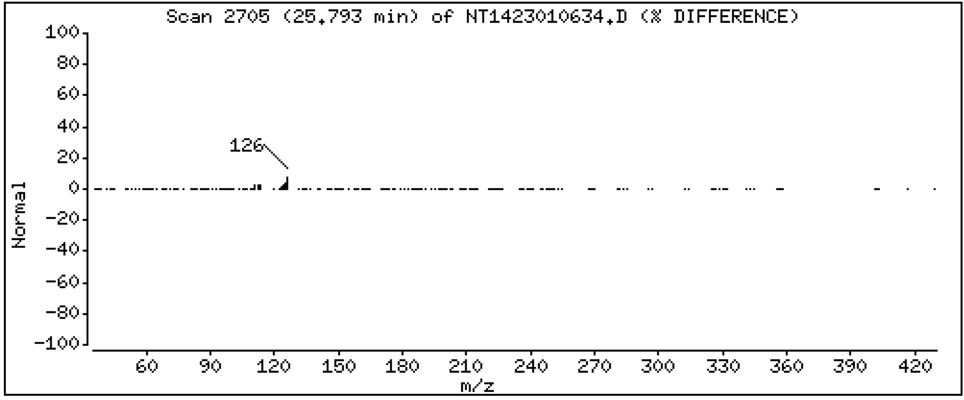
Column phase: ZB-5msi Column diameter: 0.25

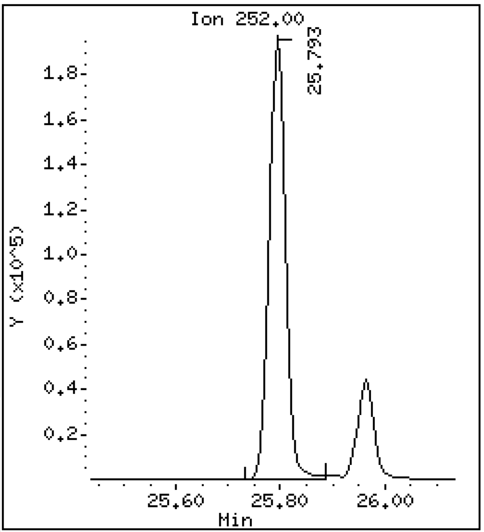
76 Benzo(a)pyrene Concentration: 5.781 ug/mL

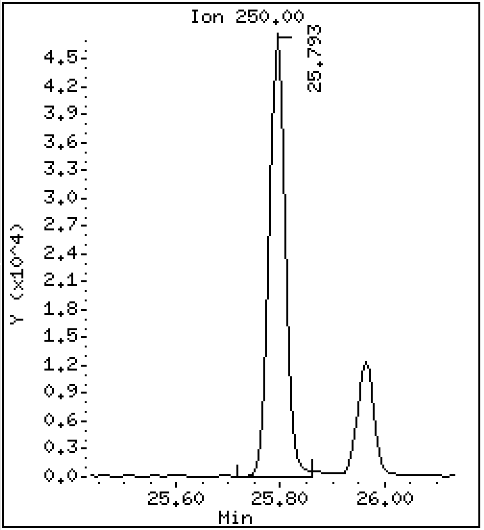


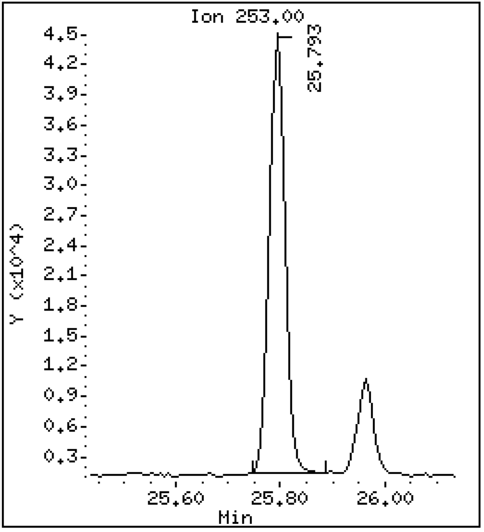












Data File: \\target\share\chem3\nt14.i\20230106.b\NT1423010634.D

Date : 07-JAN-2023 07:27

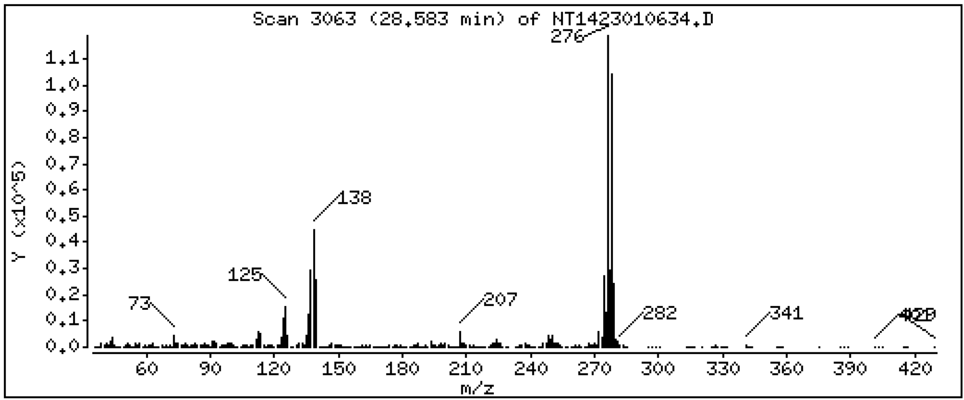
Client ID: Instrument: nt14.i

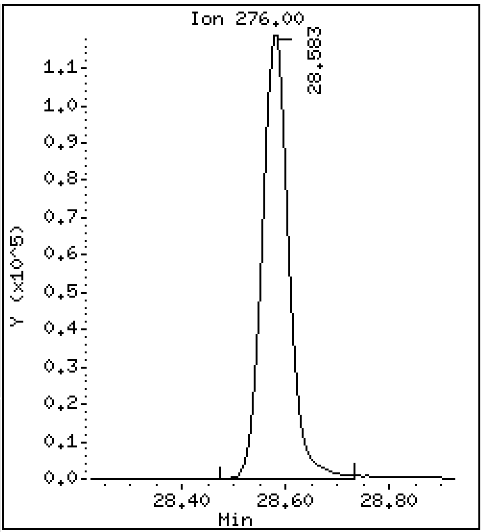
Sample Info: SLA0068-CCV1

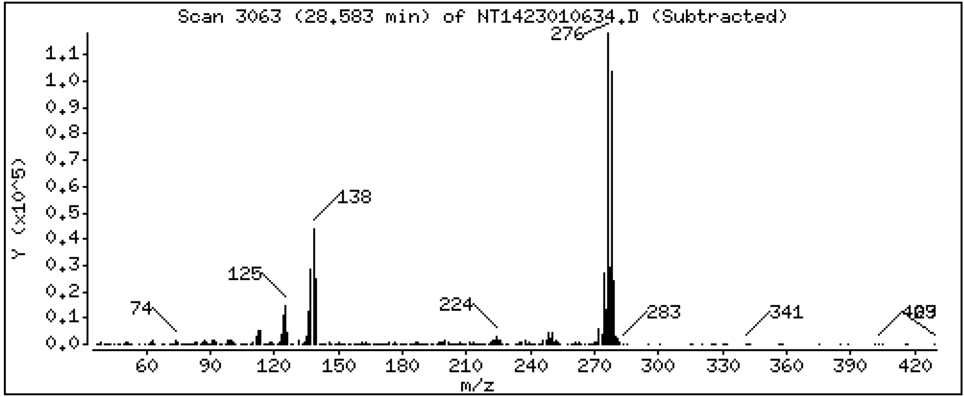
Operator: VTS

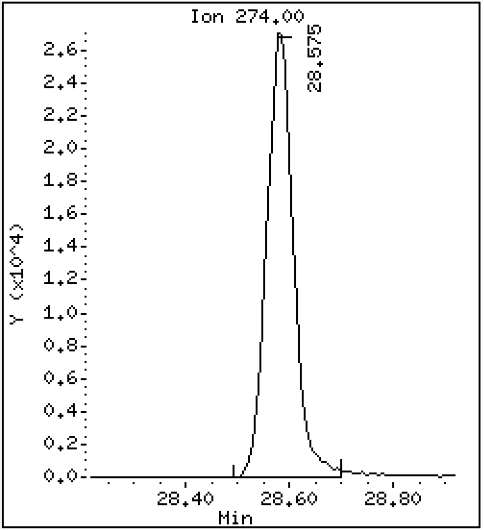
Column phase: ZB-5msi Column diameter: 0.25

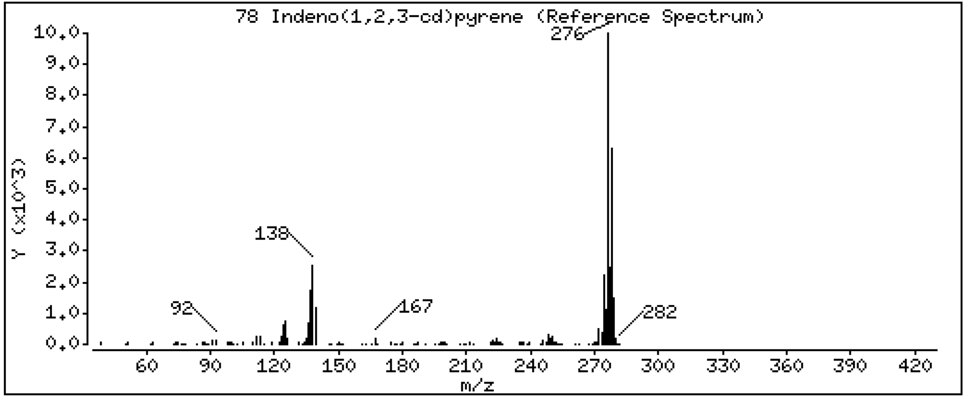
78 Indeno(1,2,3-cd)pyrene Concentration: 5.178 ug/mL

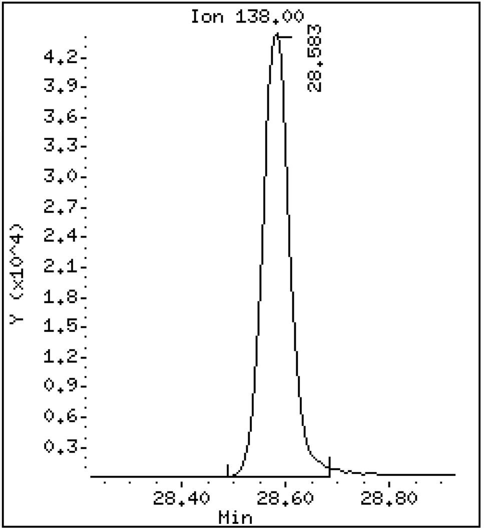


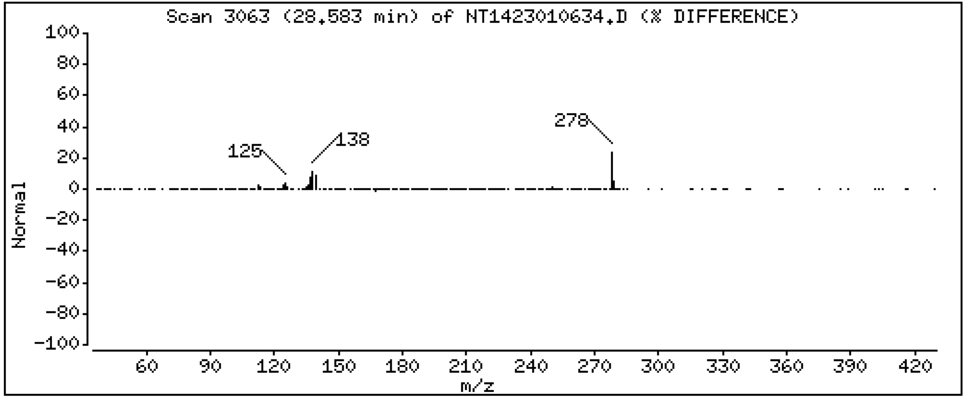












Data File: \\target\share\chem3\nt14.i\20230106.b\NT1423010634.D

Date : 07-JAN-2023 07:27

Client ID:

Instrument: nt14.i

Sample Info: SLA0068-CCV1

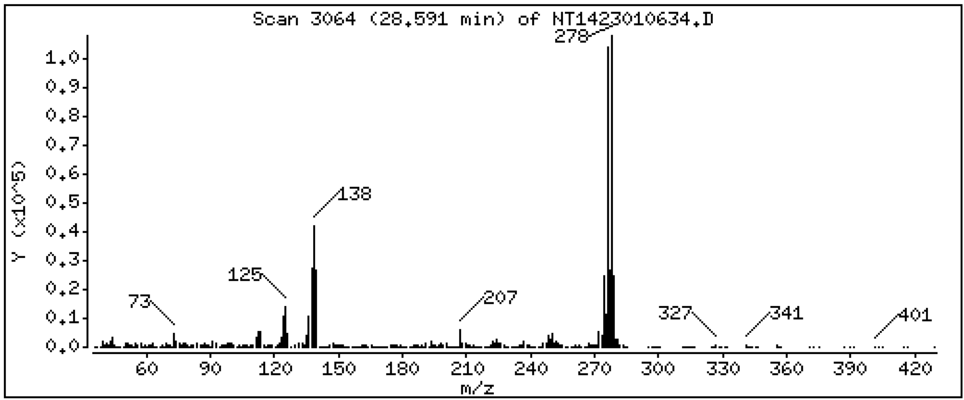
Operator: VTS

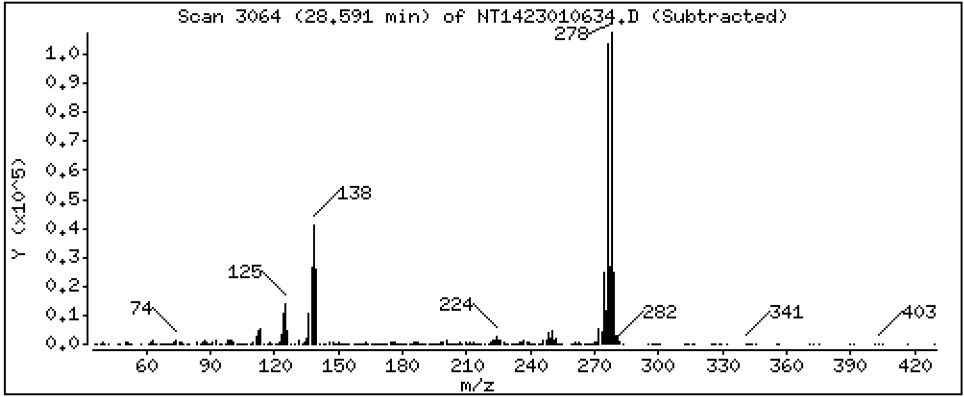
Column phase: ZB-5msi

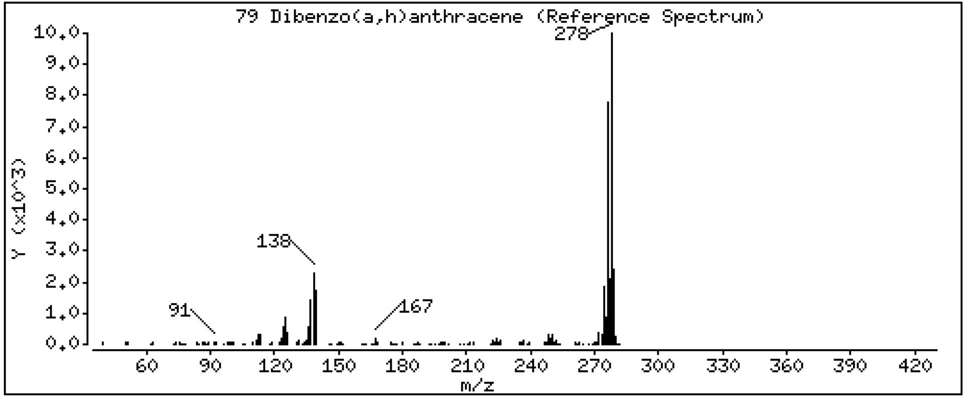
Column diameter: 0.25

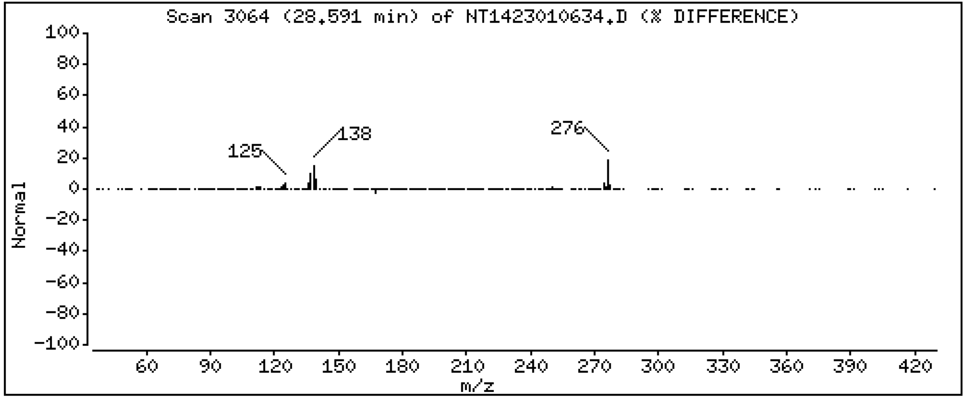
79 Dibenzo(a,h)anthracene

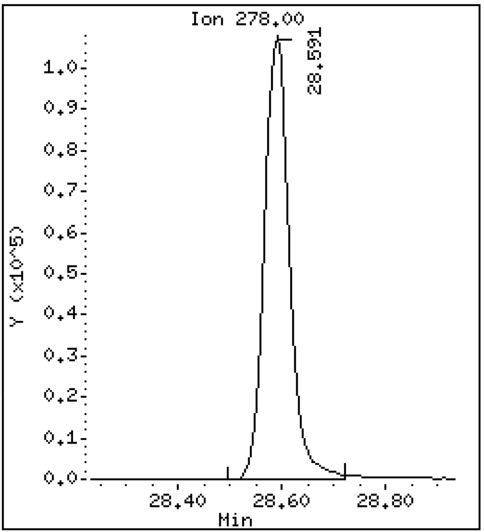
Concentration: 5.193 ug/mL

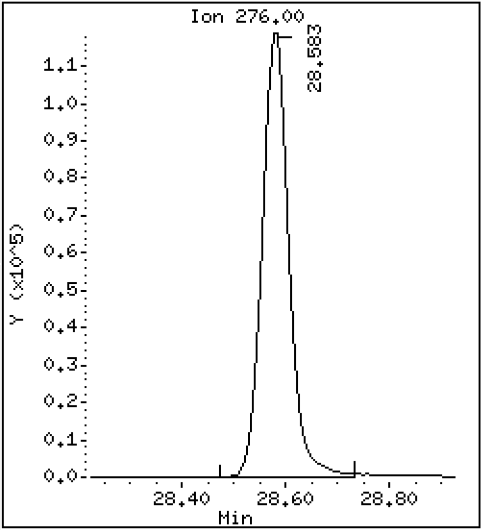

Scan 3064 (28.591 min) of NT1423010634.D

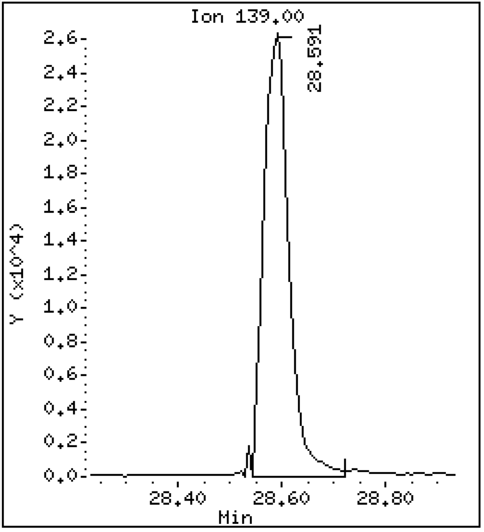

Scan 3064 (28.591 min) of NT1423010634.D (Subtracted)


79 Dibenzo(a,h)anthracene (Reference Spectrum)


Scan 3064 (28.591 min) of NT1423010634.D (% DIFFERENCE)


Ion 278.00


Ion 276.00


Ion 139.00

Date : 07-JAN-2023 07:27

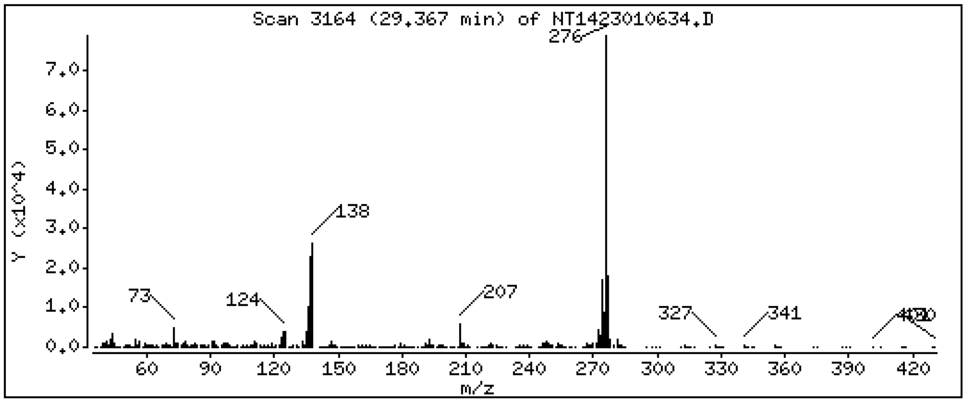
Client ID: Instrument: nt14.i

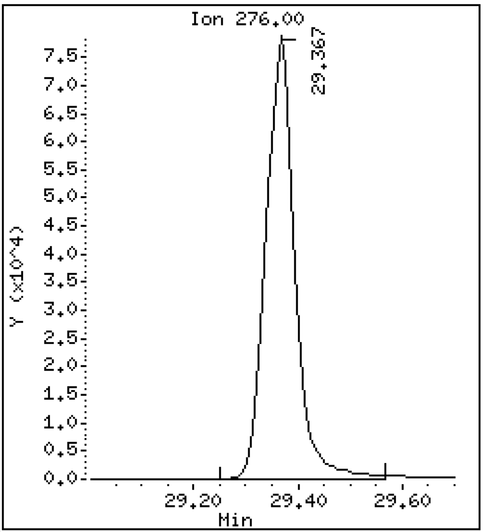
Sample Info: SLA0068-CCV1

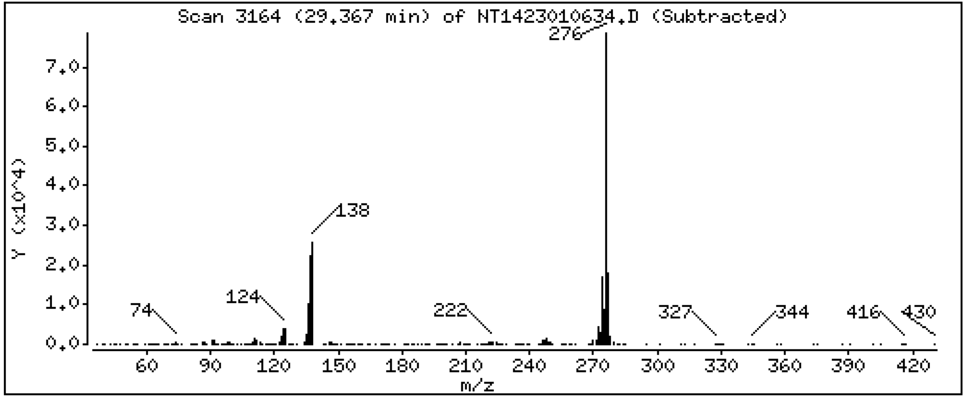
Operator: VTS

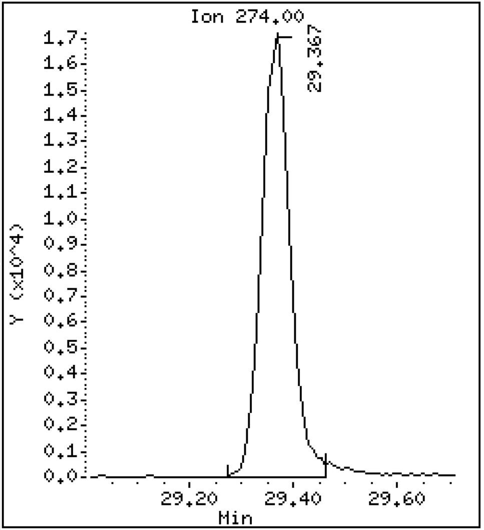
Column phase: ZB-5msi Column diameter: 0.25

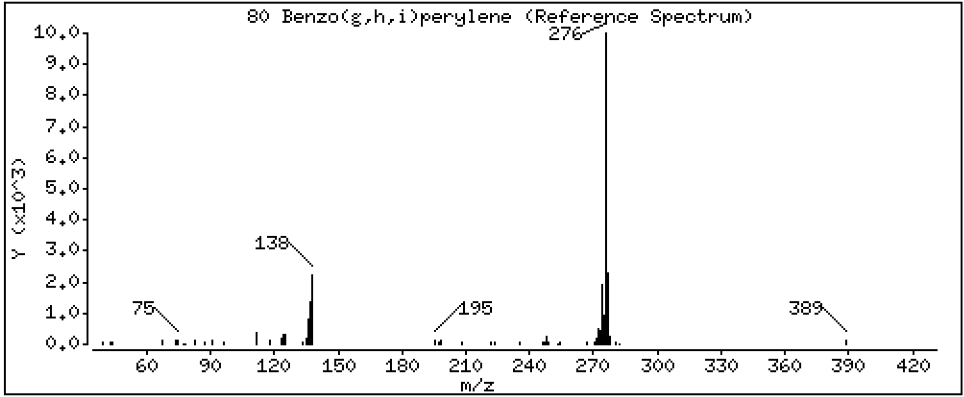
80 Benzo(g,h,i)perylene Concentration: 4.490 ug/mL

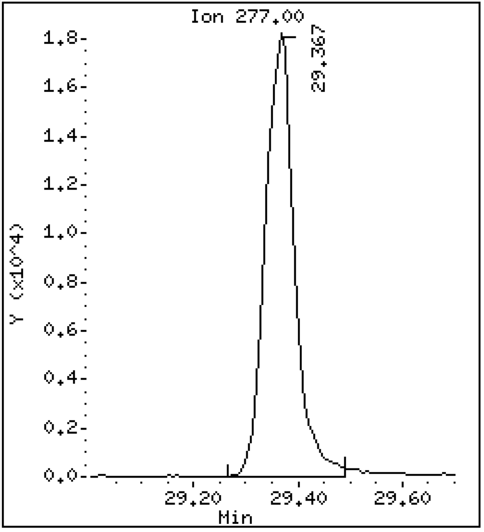


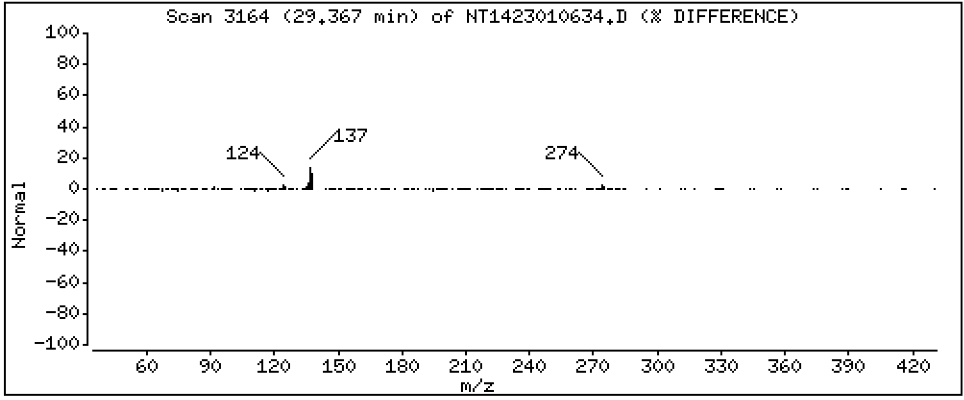












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Date : 07-JAN-2023 07:27

Client ID:

Instrument: nt14.i

Sample Info: SLA0068-CCV1

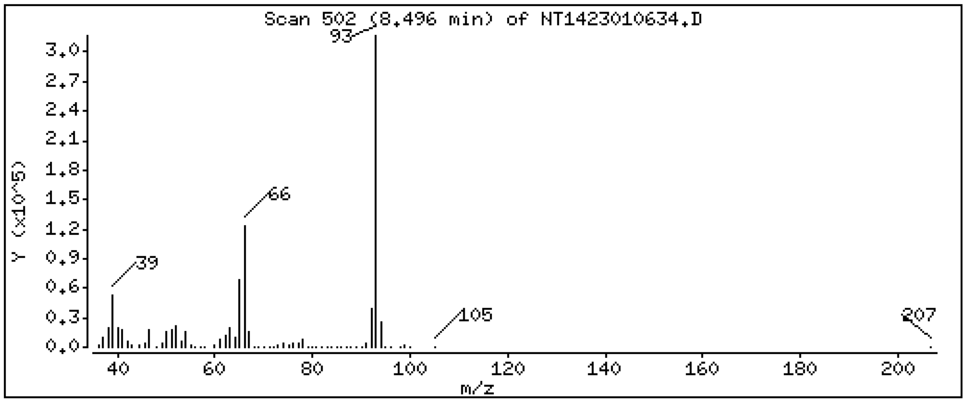
Operator: VTS

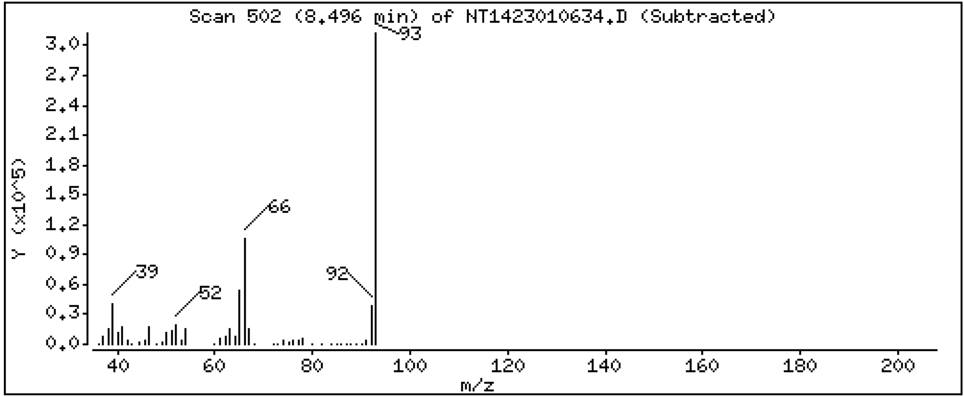
Column phase: ZB-5msi

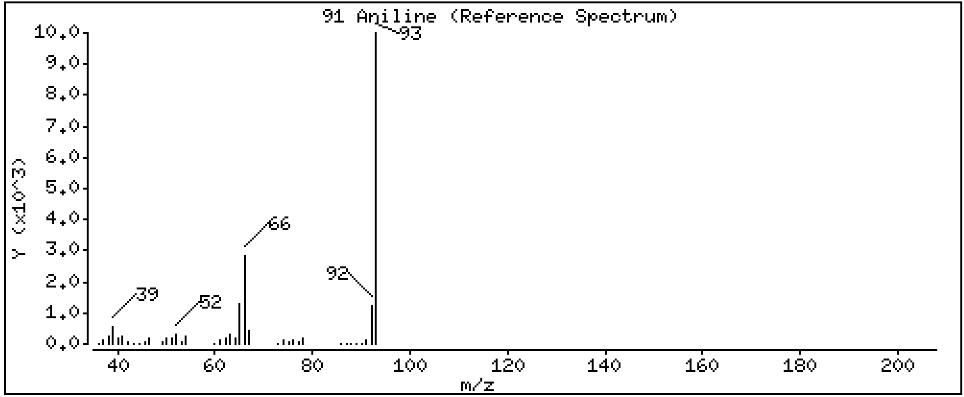
Column diameter: 0.25

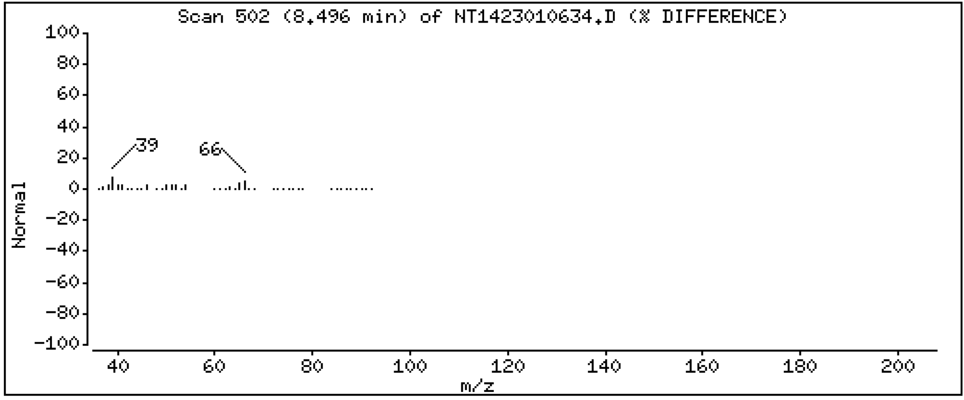
91 Aniline

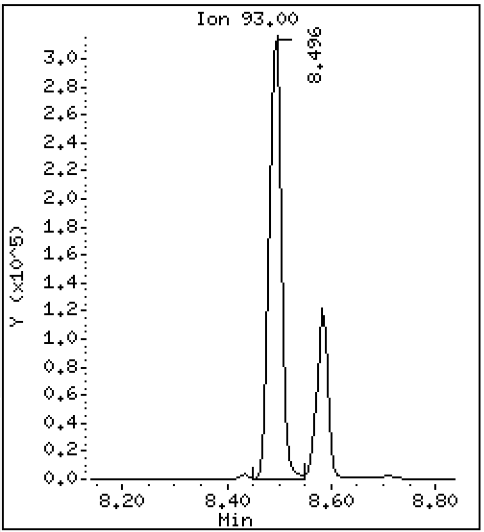
Concentration: 10.57 ug/mL

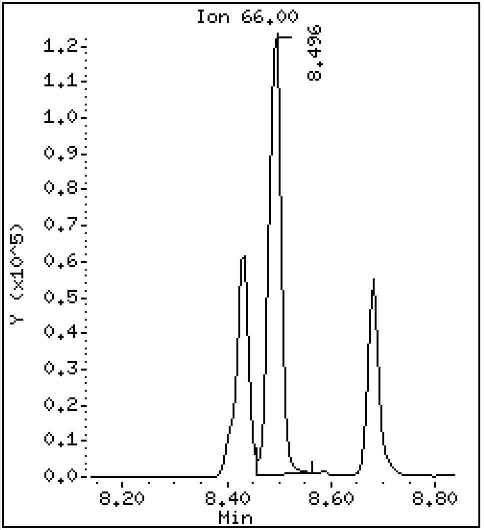

Scan 502 (8.496 min) of NT1423010634.D


Scan 502 (8.496 min) of NT1423010634.D (Subtracted)


91 Aniline (Reference Spectrum)


Scan 502 (8.496 min) of NT1423010634.D (% DIFFERENCE)


Ion 93.00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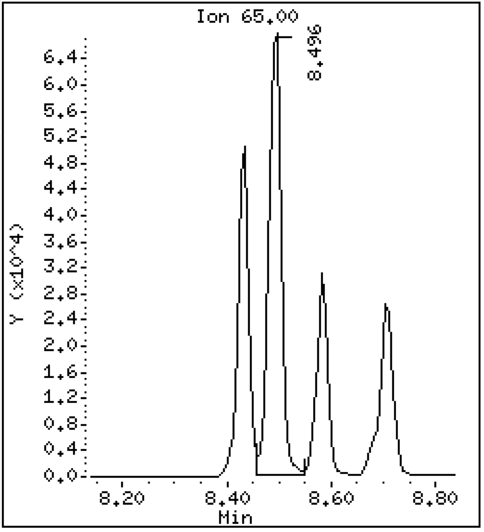

Ion 65.00

Data File: \\target\share\chem3\nt14.i\20230106.b\NT1423010634.D

Date : 07-JAN-2023 07:27

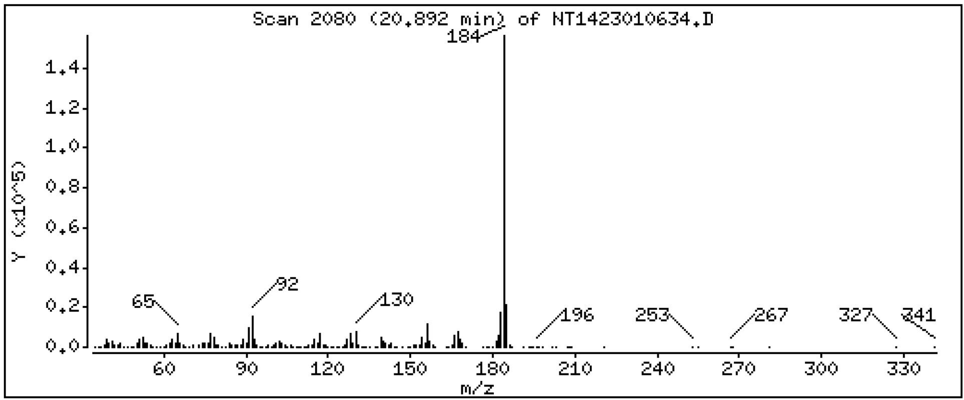
Client ID: Instrument: nt14.i

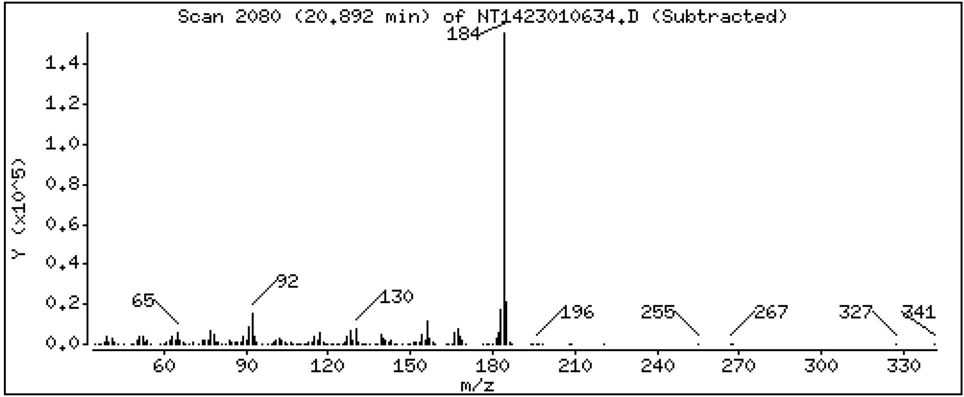
Sample Info: SLA0068-CCV1

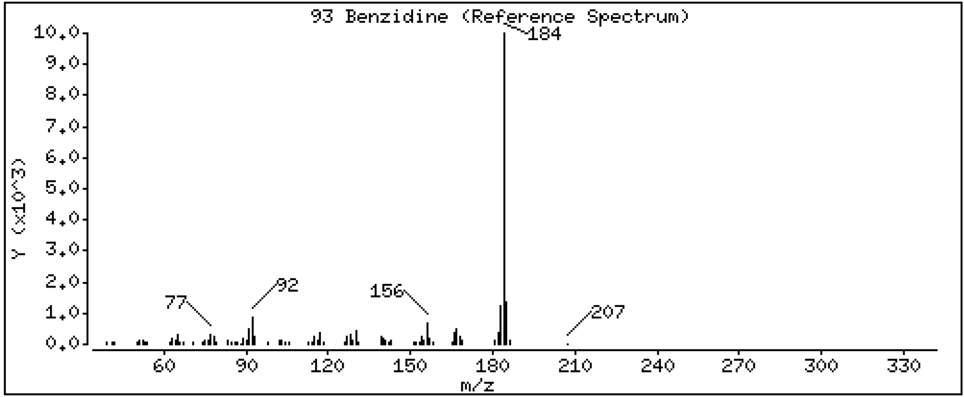
Operator: VTS

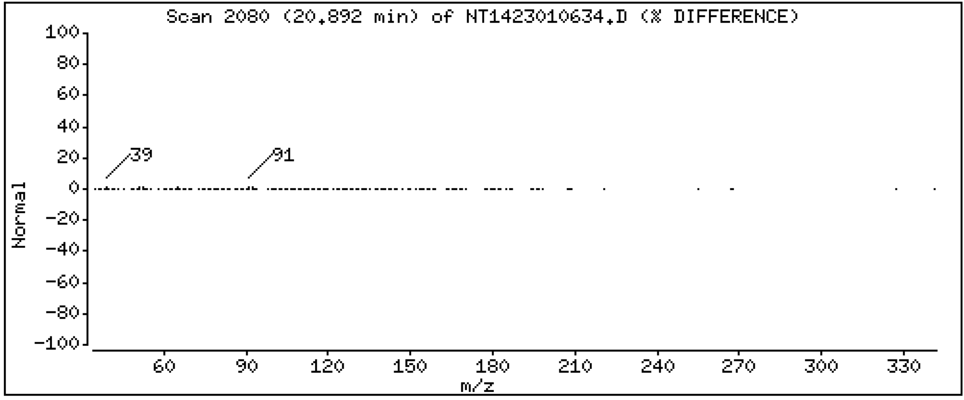
Column phase: ZB-5msi Column diameter: 0.25

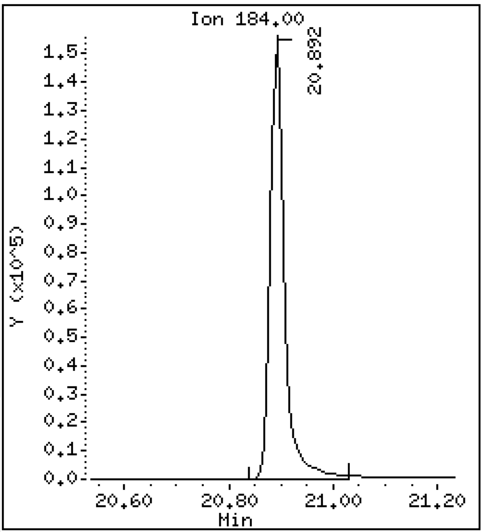
93 Benzidine Concentration: 8.569 ug/mL

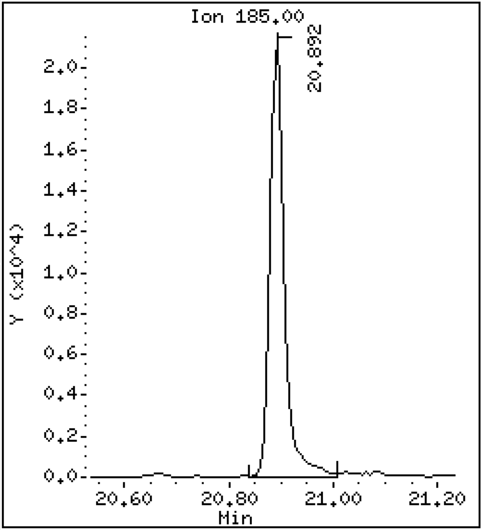


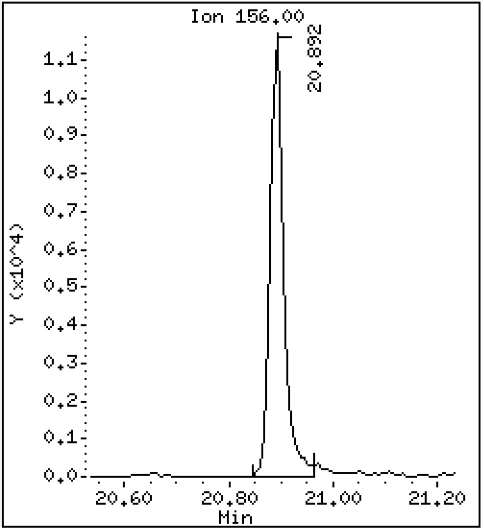












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Date : 07-JAN-2023 07:27

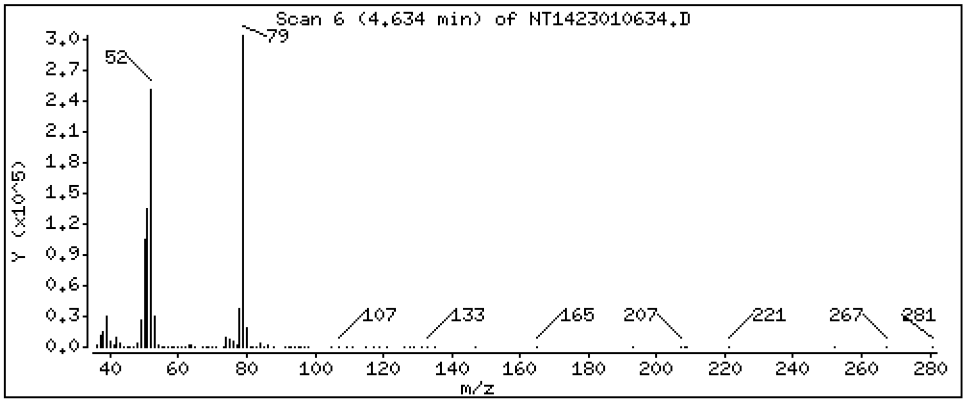
Client ID: Instrument: nt14.i

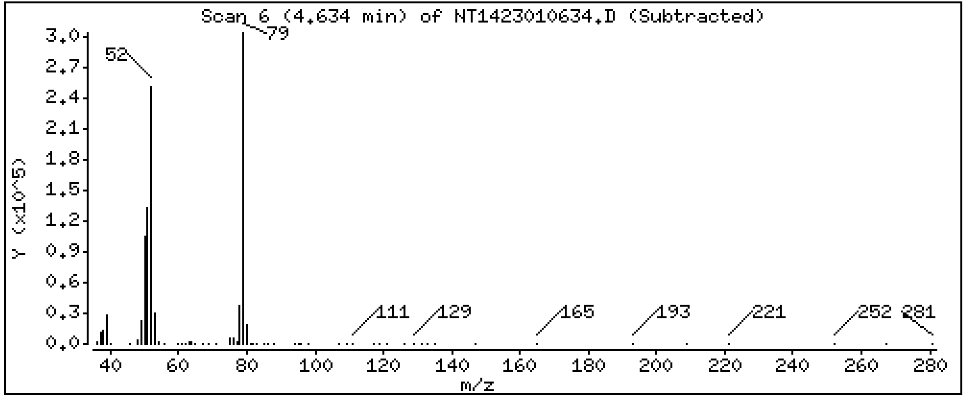
Sample Info: SLA0068-CCV1

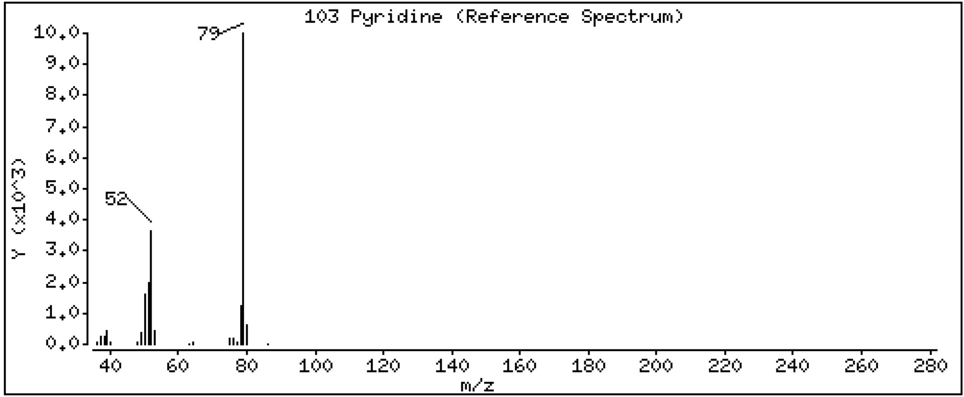
Operator: VTS

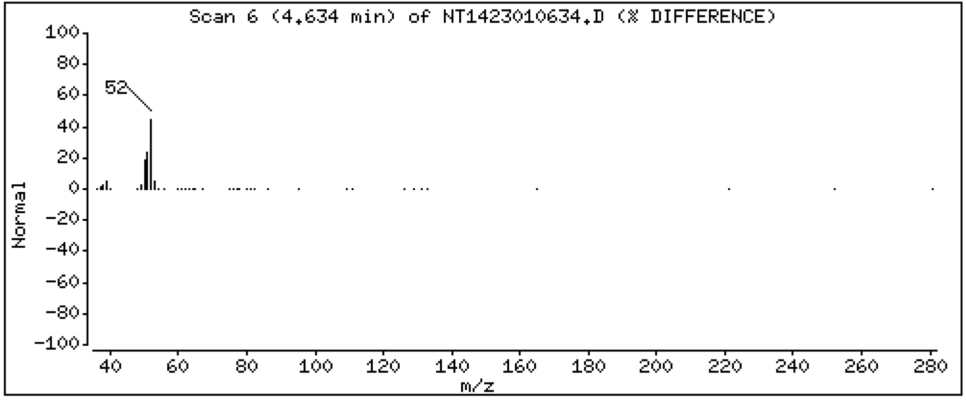
Column phase: ZB-5msi Column diameter: 0.25

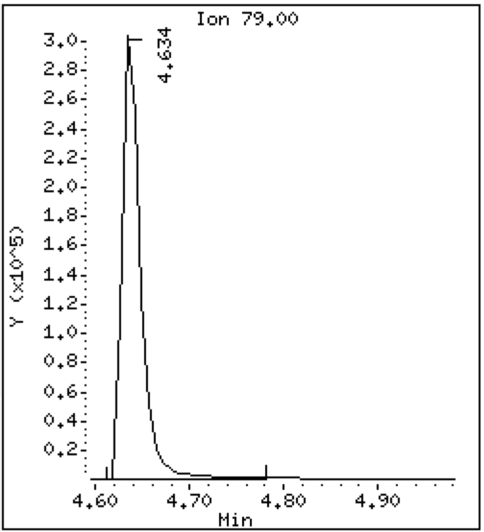
103 Pyridine Concentration: 5.649 ug/mL

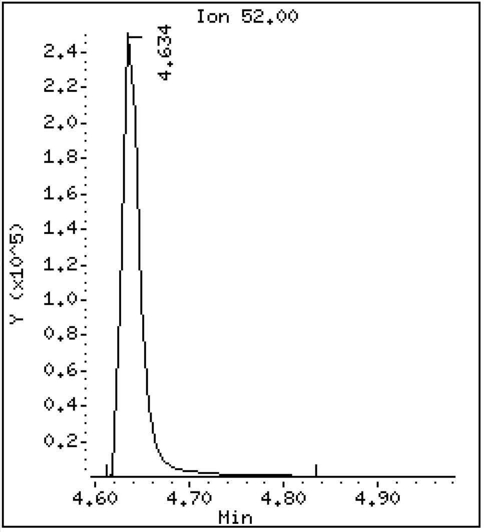

Scan 6 (4.634 min) of NT1423010634.D


Scan 6 (4.634 min) of NT1423010634.D (Subtracted)


103 Pyridine (Reference Spectrum)


Scan 6 (4.634 min) of NT1423010634.D (% DIFFERENCE)


Ion 79.00


Ion 52.00

Date : 07-JAN-2023 07:27

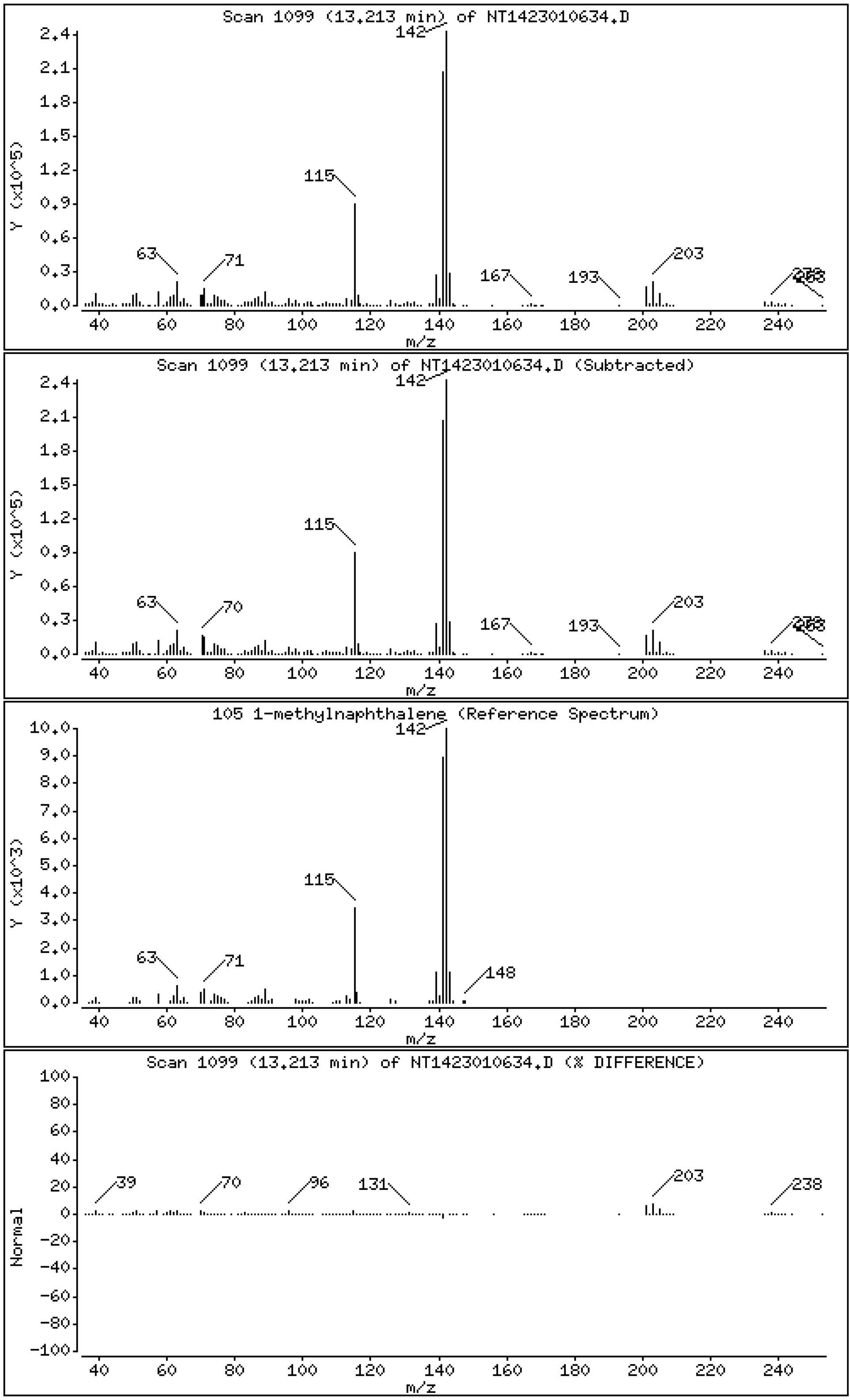
Client ID: Instrument: nt14.i

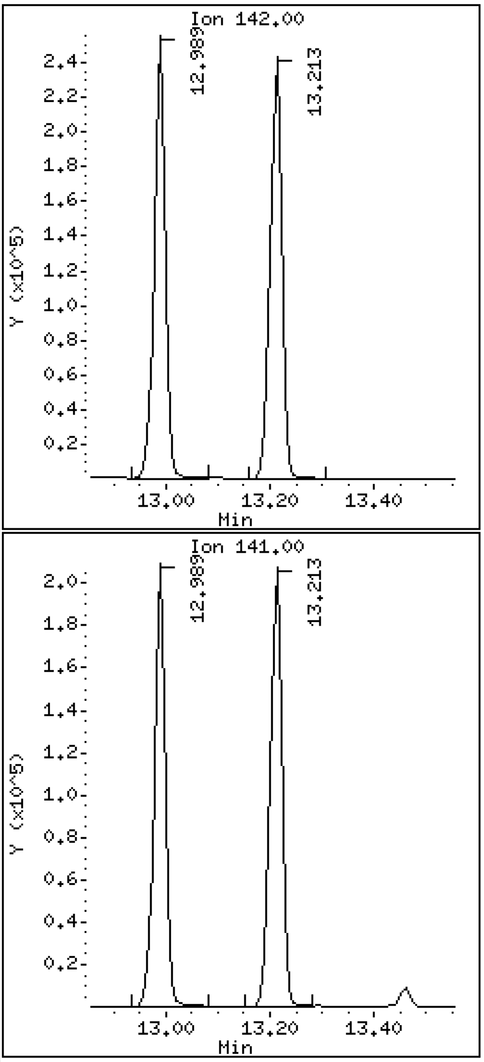
Sample Info: SLA0068-CCV1

Operator: VTS

Column phase: ZB-5msi Column diameter: 0.25

105 1-methylnaphthalene Concentration: 5.302 ug/mL





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Date : 07-JAN-2023 07:27

Client ID:

Instrument: nt14.i

Sample Info: SLA0068-CCV1

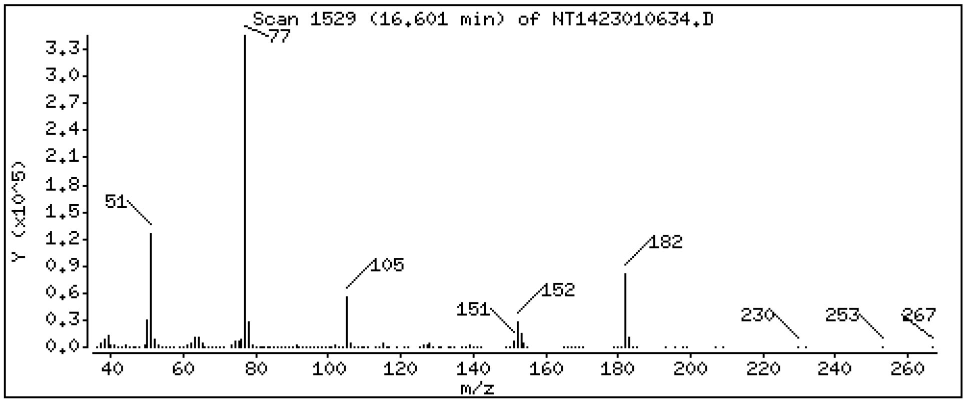
Operator: VTS

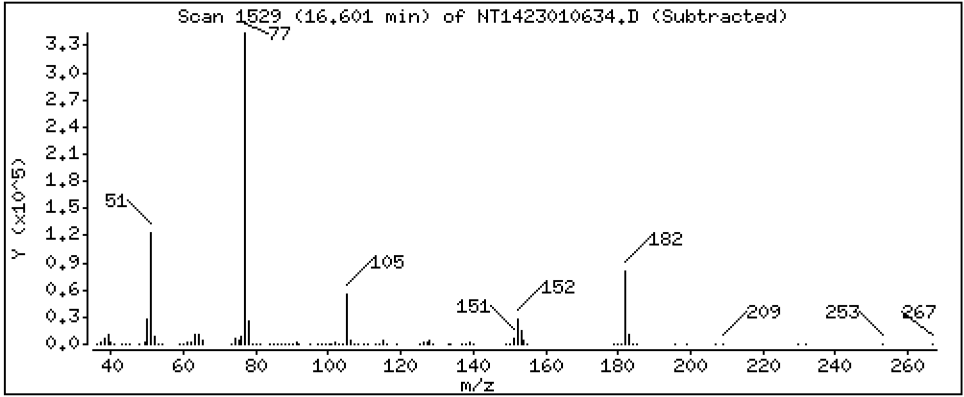
Column phase: ZB-5msi

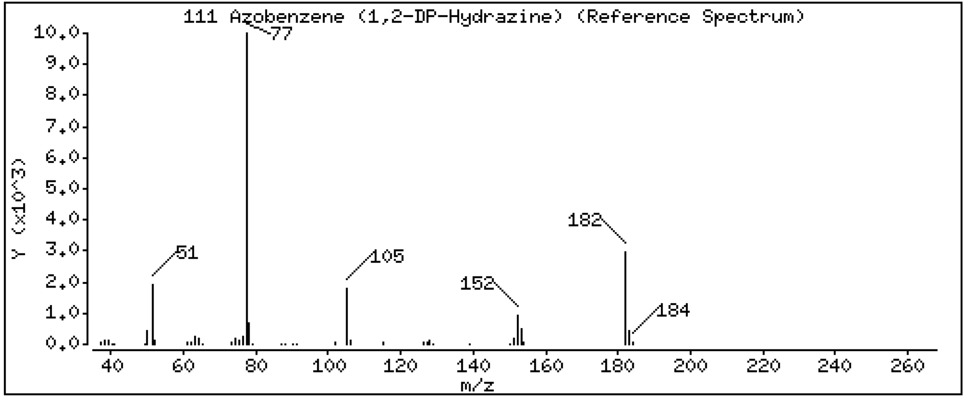
Column diameter: 0.25

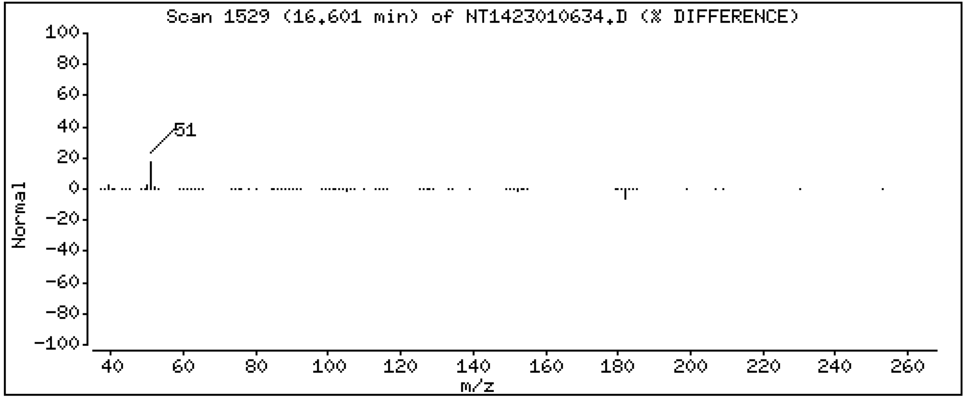
111 Azobenzene (1,2-DP-Hydrazine)

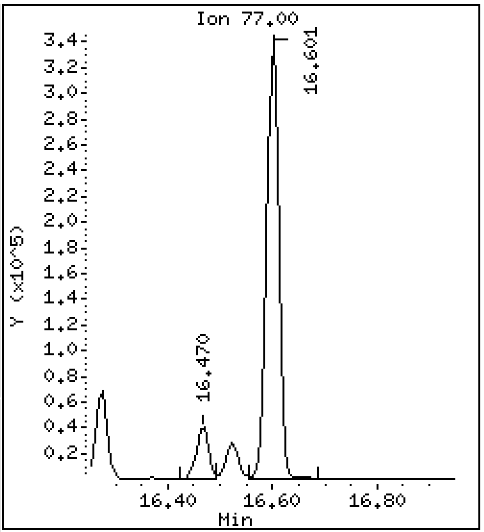
Concentration: 6.853 ug/mL

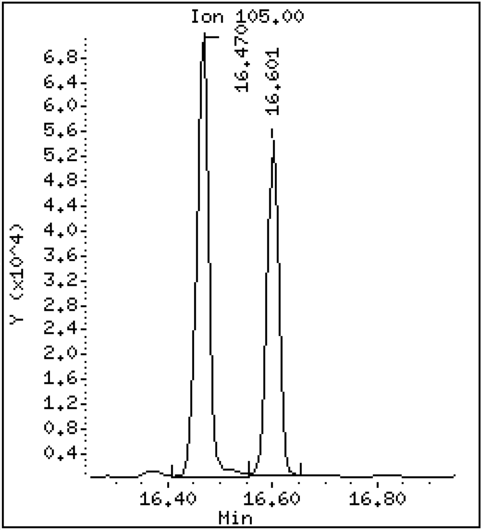


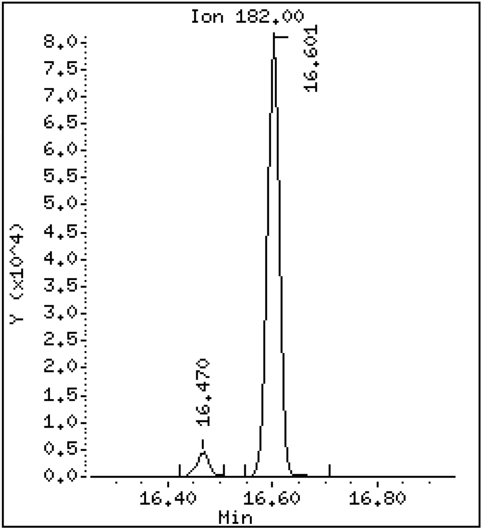












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Date : 07-JAN-2023 07:27

Client ID:

Instrument: nt14.i

Sample Info: SLA0068-CCV1

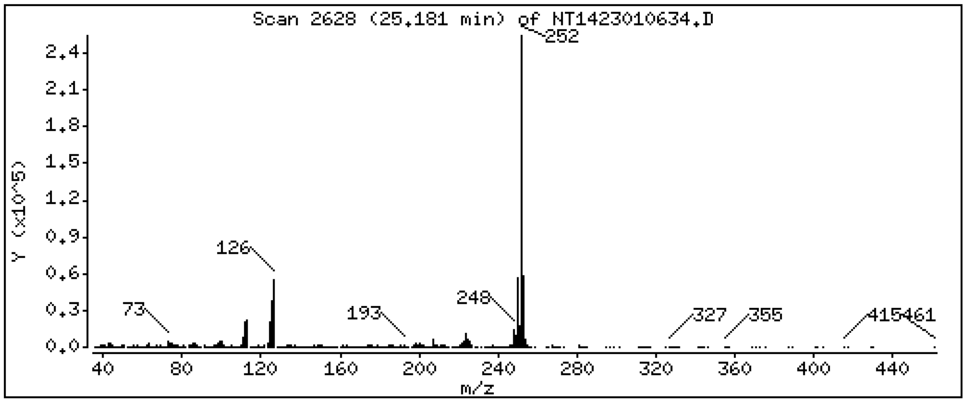
Operator: VTS

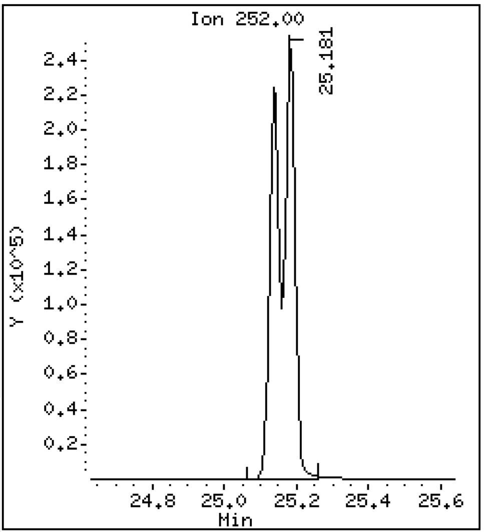
Column phase: ZB-5msi

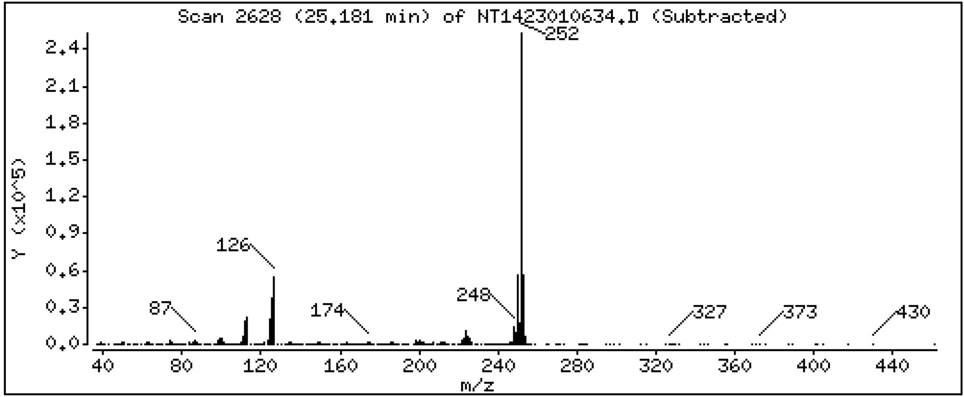
Column diameter: 0.25

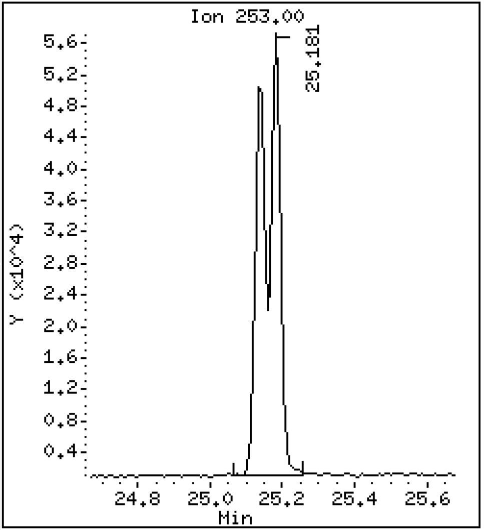
187 Total Benzofluoranthenes

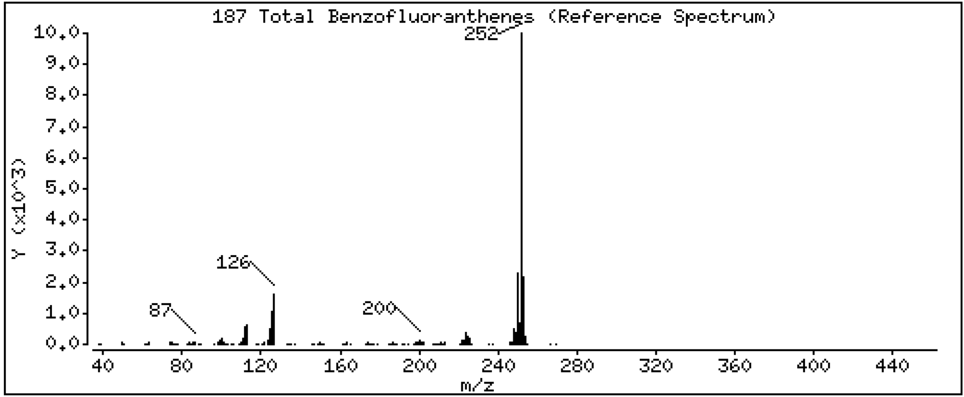
Concentration: 10.75 ug/mL

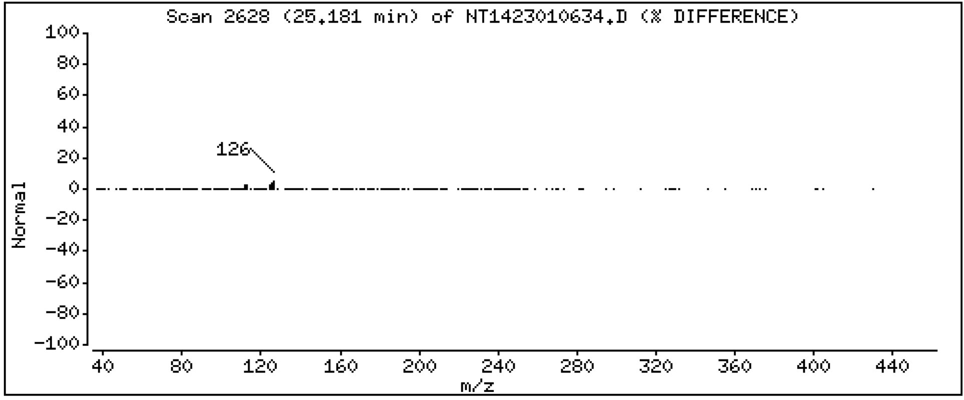


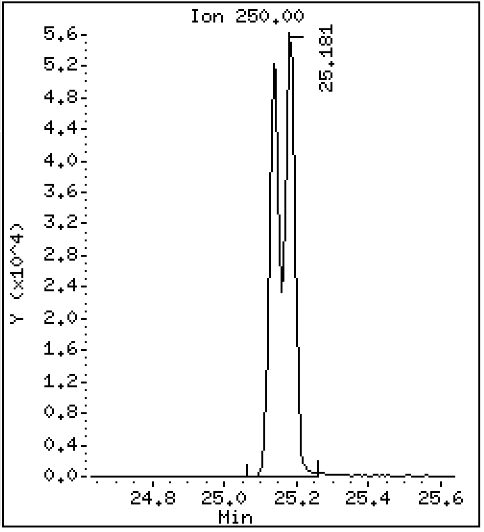












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Date : 07-JAN-2023 07:27

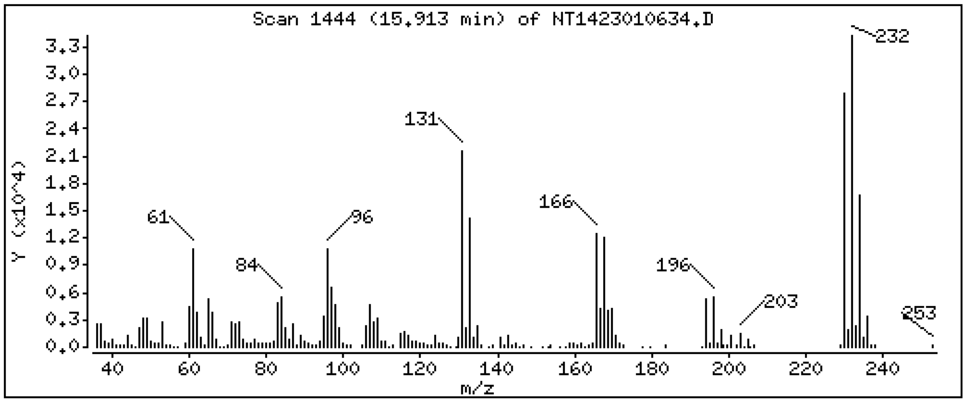
Client ID: Instrument: nt14.i

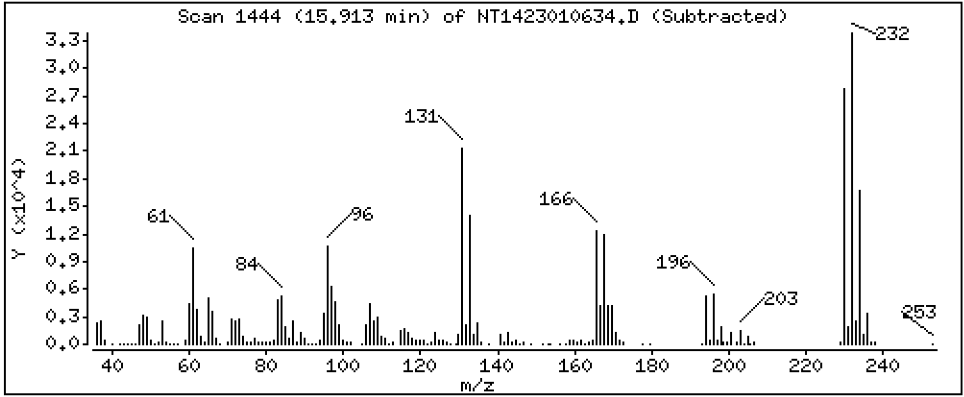
Sample Info: SLA0068-CCV1

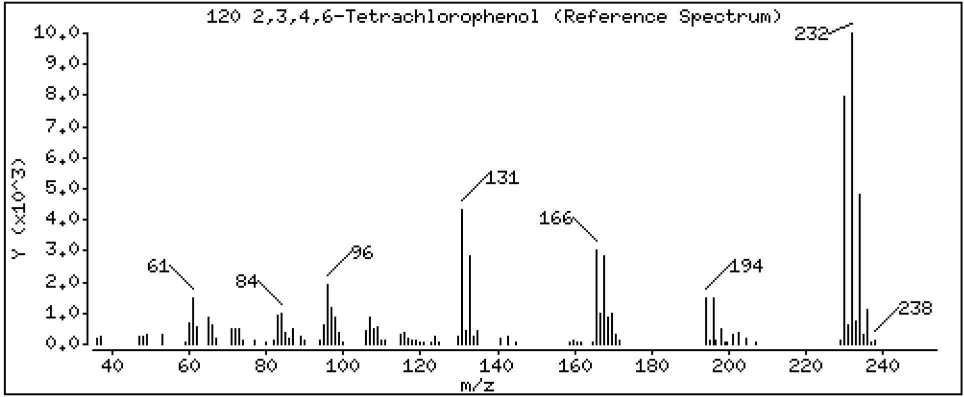
Operator: VTS

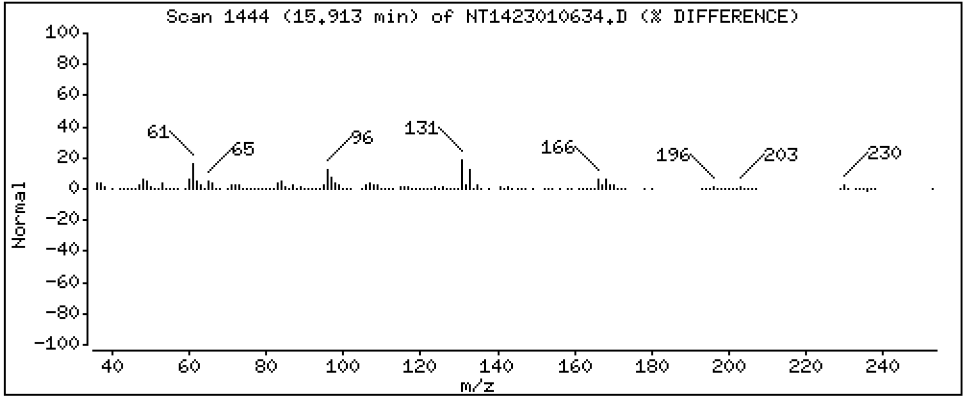
Column phase: ZB-5msi Column diameter: 0.25

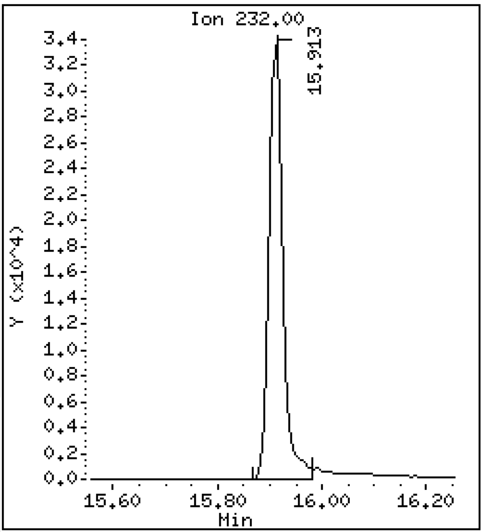
120 2,3,4,6-Tetrachlorophenol Concentration: 4.025 ug/mL

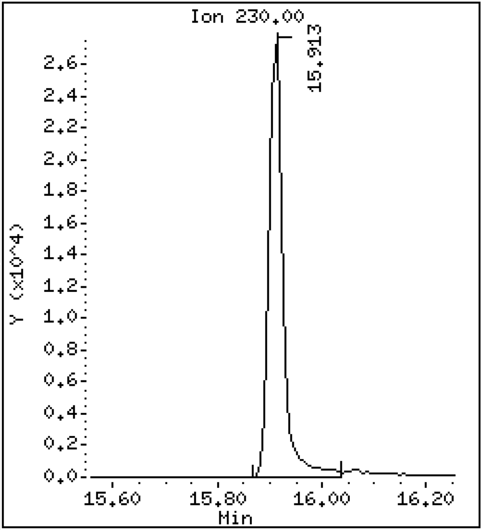


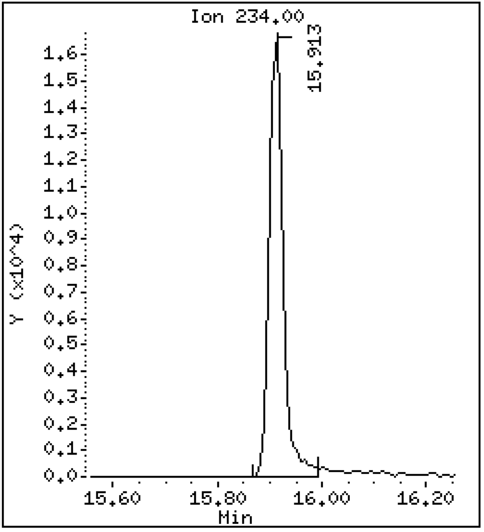












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                              ARI Labs, Inc.

                    Semivolatile Report SW846 Method 8270D
Data file : \\target\share\chem3\nt14.i\20230106.b\NT1423010634.D
Lab Smp Id: SLA0068-CCV1
Inj Date  : 07-JAN-2023 07:27          MS Autotune Date: 17-MAY-2011 01:22
Operator  : VTS                        Inst ID: nt14.i
Smp Info  : SLA0068-CCV1
Misc Info :
Comment   : 1ul Injection
Method    : \\target\share\chem3\nt14.i\20230106.b\ABN.m
Meth Date : 12-Jan-2023 08:12 van      Quant Type: ISTD
Cal Date  : 30-DEC-2022 11:07          Cal File: NT1422123007.D
Als bottle: 2
Dil Factor: 1.00000
Integrator: HP RTE                     Compound Sublist: ICAL.sub
Target Version:  4.14
Processing Host: VANS-201906


                                                                               CONCENTRATIONS
                                      QUANT SIG                          ON-COLUMN   FINAL
Compounds                               MASS      RT   EXP RT  REL RT  RESPONSE    (ug/mL)    (ug/mL)
==========================              ====     ==== ======== ======== ========    =======    =======
$   1 2-Fluorophenol                     112     6.811   6.811 (0.753)    276336    8.16079      8.161
$   2 Phenol-d5                           99     8.410   8.403 (0.930)    344117    8.22330      8.223
    3 Phenol                              94     8.434   8.426 (0.932)    246251    5.17882      5.179
$   5 2-Chlorophenol-d4                  132     8.681   8.673 (0.960)    285408    8.12097      8.121
    4 Bis(2-Chloroethyl)ether             93     8.580   8.580 (0.949)    176130    5.37715      5.377
    6 2-Chlorophenol                     128     8.712   8.704 (0.963)    199570    5.17057      5.171
    7 1,3-Dichlorobenzene                146     8.975   8.975 (0.992)    210513    5.14346      5.143
*   8 1,4-Dichlorobenzene-d4             152     9.045   9.037 (1.000)    105694    4.00000
    9 1,4-Dichlorobenzene                146     9.076   9.068 (1.003)    220911    5.69740      5.697
$  10 1,2-Dichlorobenzene-d4             152     9.402   9.401 (1.039)    125943    5.24314      5.243
   12 1,2-Dichlorobenzene                146     9.433   9.425 (1.043)    197924    5.20492      5.205
   11 Benzyl alcohol                     108     9.316   9.308 (1.030)     79190    3.74101      3.741
   14 2,2'-oxybis(1-Chloropropane)       121     9.619   9.611 (1.064)     62042    5.62752      5.628(M)
   13 2-Methylphenol                     108     9.549   9.549 (1.056)    206662    5.98123      5.981
   17 Hexachloroethane                   117    10.030  10.022 (1.109)     80580    5.65050      5.651
   16 N-Nitroso-di-n-propylamine          70     9.875   9.867 (1.092)    133551    6.34510      6.345
   15 4-Methylphenol                     108     9.821   9.813 (1.086)    193262    5.30223      5.302
$  18 Nitrobenzene-d5                     82    10.139  10.131 (0.878)    208052    6.19342      6.193
   19 Nitrobenzene                        77    10.178  10.170 (0.882)    200014    5.99530      5.995
   20 Isophorone                          82    10.628  10.620 (0.921)    290848    6.84029      6.840
   21 2-Nitrophenol                      139    10.806  10.806 (0.936)    115385    5.39779      5.398
   22 2,4-Dimethylphenol                 107    10.868  10.868 (0.942)    402565    11.5615      11.56
   23 Bis(2-Chloroethoxy)methane          93    11.062  11.054 (0.958)    180739    5.46410      5.464
   24 Benzoic acid                       105    11.070  11.062 (0.959)    292100    13.3753      13.38
   25 2,4-Dichlorophenol                 162    11.279  11.271 (0.977)    317127    10.8048      10.80
   26 1,2,4-Trichlorobenzene             180    11.457  11.449 (0.993)    184277    5.80657      5.807
*  27 Naphthalene-d8                     136    11.542  11.534 (1.000)    397807    4.00000
   28 Naphthalene                        128    11.581  11.581 (1.003)    509298    5.20230      5.202
   29 4-Chloroaniline                    127    11.712  11.712 (1.015)    413584    10.2440      10.24
   30 Hexachlorobutadiene                225    11.951  11.951 (1.035)     98517    6.25662      6.257
   31 4-Chloro-3-methylphenol            107    12.694  12.686 (1.100)    324480    11.7151      11.72
   32 2-Methylnaphthalene                142    12.989  12.981 (1.125)    374085    5.20926      5.209
   33 Hexachlorocyclopentadiene          237    13.461  13.453 (0.887)     74506    4.85340      4.853
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                                                                                    CONCENTRATIONS
                                      QUANT SIG                                  ON-COLUMN   FINAL
Compounds                               MASS        RT    EXP RT   REL RT  RESPONSE   (ug/mL)    (ug/mL)
==========================              ====       ==== ======== ======== ========   =======    =======
   34 2,4,6-Trichlorophenol              196      13.615  13.607 (0.897)    189477    11.1784      11.18
   35 2,4,5-Trichlorophenol              196      13.693  13.693 (0.902)    208457    10.6557      10.66
$  36 2-Fluorobiphenyl                   172      13.770  13.770 (0.907)    370856    5.43141      5.431
   37 2-Chloronaphthalene                162      13.987  13.979 (0.921)    318964    5.49117      5.491
   38 2-Nitroaniline                      65      14.242  14.234 (0.938)    223119    14.6103      14.61
   39 Dimethylphthalate                  163      14.676  14.668 (0.967)    333207    5.81805      5.818
   40 Acenaphthylene                     152      14.861  14.853 (0.979)    535220    6.04294      6.043
   41 2,6-Dinitrotoluene                 165      14.807  14.807 (0.976)    157394    12.1776      12.18
*  42 Acenaphthene-d10                   164      15.179  15.171 (1.000)    203080    4.00000
   43 3-Nitroaniline                     138      15.101  15.093 (0.995)    167806    10.6820      10.68
   44 Acenaphthene                       153      15.240  15.240 (1.004)    311698    5.67405      5.674
   45 2,4-Dinitrophenol                  184      15.310  15.302 (1.009)    138101    12.2356      12.24
   46 Dibenzofuran                       168      15.573  15.565 (1.026)    435363    5.28487      5.285
   47 4-Nitrophenol                      109      15.434  15.433 (1.017)     87575    11.3485      11.35
   48 2,4-Dinitrotoluene                 165      15.619  15.619 (1.029)    211065    11.9022      11.90
   50 Diethylphthalate                   149      16.137  16.137 (1.063)    489394    6.28685      6.287
   49 Fluorene                           166      16.284  16.284 (1.073)    463440    5.28824      5.288
   51 4-Chlorophenyl-phenylether         204      16.276  16.268 (1.072)    206059    4.80272      4.803
   52 4-Nitroaniline                     138      16.369  16.361 (1.078)    198876    10.2688      10.27
   53 4,6-Dinitro-2-methylphenol         198      16.469  16.461 (0.904)    246779    17.0608      17.06
   54 N-Nitrosodiphenylamine             169      16.523  16.523 (0.907)    300387    5.27615      5.276
$  55 2,4,6-Tribromophenol               330      16.824  16.816 (1.108)     64867    6.58268      6.583
   56 4-Bromophenyl-phenylether          248      17.279  17.278 (0.948)    109553    5.08170      5.082
   57 Hexachlorobenzene                  284      17.596  17.595 (0.966)    119297    5.04257      5.043
   58 Pentachlorophenol                  266      17.960  17.952 (0.986)     41990    4.01937      4.019
*  59 Phenanthrene-d10                   188      18.223  18.215 (1.000)    331785    4.00000
   60 Phenanthrene                       178      18.269  18.269 (1.003)    461415    5.33389      5.334
   61 Anthracene                         178      18.362  18.362 (1.008)    472021    5.71572      5.716
   62 Carbazole                          167      18.695  18.687 (1.026)    439046    5.49940      5.499
   63 Di-n-butylphthalate                149      19.492  19.491 (1.070)    588502    6.19787      6.198
   64 Fluoranthene                       202      20.660  20.652 (0.888)    486863    5.93559      5.936
   65 Pyrene                             202      21.085  21.077 (0.906)    502003    5.82088      5.821
$  66 Terphenyl-d14                      244      21.372  21.364 (0.918)    349702    5.71868      5.719
   67 Butylbenzylphthalate               149      22.293  22.285 (0.958)    240808    7.21125      7.211
   68 Benzo(a)anthracene                 228      23.253  23.245 (0.999)    442776    5.73765      5.738
*  69 Chrysene-d12                       240      23.276  23.276 (1.000)    254746    4.00000
   70 3,3'-Dichlorobenzidine             252      23.207  23.199 (0.997)    444239    18.8048      18.80
   71 Chrysene                           228      23.323  23.315 (1.002)    440697    6.04573      6.046
   72 bis(2-Ethylhexyl)phthalate         149      23.323  23.315 (0.960)    364420    6.55804      6.558
* 134 Di-n-octylphthalate-d4             153      24.306  24.298 (1.000)    500355    4.00000
   73 Di-n-octylphthalate                149      24.314  24.314 (1.000)    634580    5.28348      5.283
   74 Benzo(b)fluoranthene               252      25.134  25.134 (0.970)    434875    5.05934      5.059
   75 Benzo(k)fluoranthene               252      25.181  25.173 (0.972)    500524    5.72127      5.721
   76 Benzo(a)pyrene                     252      25.792  25.785 (0.996)    413100    5.78133      5.781
*  77 Perylene-d12                       264      25.909  25.901 (1.000)    273505    4.00000
   78 Indeno(1,2,3-cd)pyrene             276      28.582  28.574 (1.103)    420612    5.17820      5.178
   79 Dibenzo(a,h)anthracene             278      28.590  28.582 (1.103)    358468    5.19330      5.193
   80 Benzo(g,h,i)perylene               276      29.367  29.351 (1.133)    305556    4.49042      4.490
   90 N-Nitrosodimethylamine              74          Compound Not Detected.
   91 Aniline                             93       8.495   8.487 (0.939)    489503    10.5728      10.57
   93 Benzidine                          184      20.892  20.884 (0.898)    277239    8.56853      8.569
  103 Pyridine                            79       4.633   4.633 (0.512)    418624    5.64923      5.649
  105 1-methylnaphthalene                142      13.213  13.205 (1.145)    365824    5.30192      5.302
  111 Azobenzene (1,2-DP-Hydrazine)       77      16.600  16.600 (1.094)    516841    6.85331      6.853
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                                                                                                CONCENTRATIONS
                                         QUANT SIG                                            ON-COLUMN    FINAL
Compounds                                  MASS          RT     EXP RT   REL RT  RESPONSE     (ug/mL)     (ug/mL)
==========================                 ====         ====  ======== ======== ========     =======     =======
  187 Total Benzofluoranthenes              252        25.181  25.134 (0.972)     893449     10.7515       10.75
  120 2,3,4,6-Tetrachlorophenol             232        15.913  15.905 (1.048)      59492     4.02519       4.025
```

QC Flag Legend

M - Compound response manually integrated.

Data File: \\target\share\chem3\nt14.i\20230106.b\NT1423010634.D Page 1
Report Date: 12-Jan-2023 08:18

ARI Labs, Inc.

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: nt14.i
Lab File ID: NT1423010634.D
Lab Smp Id: SLA0068-CCV1
Analysis Type: SV
Quant Type: ISTD
Operator: VTS
Method File: \\target\share\chem3\nt14.i\20230106.b\ABN.m
Misc Info:

Calibration Date: 06-JAN-2023
Calibration Time: 22:27
Level:
Sample Type:

Test Mode:
Use Last Continuing Calibrator.

		AREA LIMIT			
COMPOUND	STANDARD	LOWER	UPPER	SAMPLE	%DIFF
8 1,4-Dichlorobenze	114022	57011	228044	105694	-7.30
27 Naphthalene-d8	420653	210327	841306	397807	-5.43
42 Acenaphthene-d10	216802	108401	433604	203080	-6.33
59 Phenanthrene-d10	366121	183061	732242	331785	-9.38
69 Chrysene-d12	276883	138442	553766	254746	-8.00
134 Di-n-octylphthala	540641	270321	1081282	500355	-7.45
77 Perylene-d12	308305	154153	616610	273505	-11.29

		RT LIMIT			
COMPOUND	STANDARD	LOWER	UPPER	SAMPLE	%DIFF
8 1,4-Dichlorobenze	9.04	8.54	9.54	9.05	0.09
27 Naphthalene-d8	11.53	11.03	12.03	11.54	0.07
42 Acenaphthene-d10	15.17	14.67	15.67	15.18	0.05
59 Phenanthrene-d10	18.22	17.72	18.72	18.22	0.04
69 Chrysene-d12	23.28	22.78	23.78	23.28	0.00
134 Di-n-octylphthala	24.30	23.80	24.80	24.31	0.03
77 Perylene-d12	25.90	25.40	26.40	25.91	0.03

AREA UPPER LIMIT = +100% of internal standard area.
AREA LOWER LIMIT = - 50% of internal standard area.
RT UPPER LIMIT = + 0.50 minutes of internal standard RT.
RT LOWER LIMIT = - 0.50 minutes of internal standard RT.

```
REVIEW SUMMARY FOR FILE - NT1423010634.D

Lab ID: SLA0068-CCV1
nt14.i,  20230106.b\ABN.m,    07-JAN-2023 07:27


     RT      CO-ELUTION COMPOUNDS
----------------------------------------------------------------------------

            NO CO-ELUTIONS


Quant Method: ICAL



        RRT CHECK

   RRT    CCV RRT   DELTA    COMPOUND
 -------------------------------------

   NONE

  RRT check based on Ccal File: NT1423010619.D

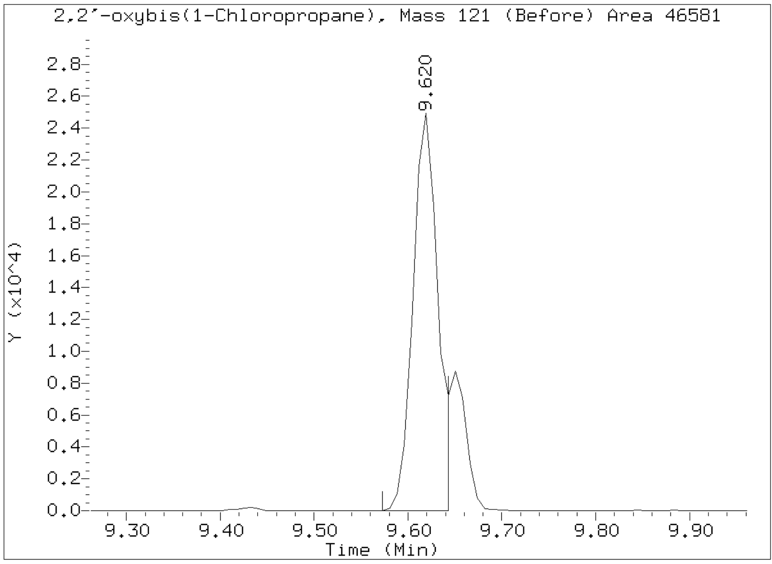

 On Column LOD for nt14.i, 20230106.b\ABN.m, ICAL.sub = 0.0000

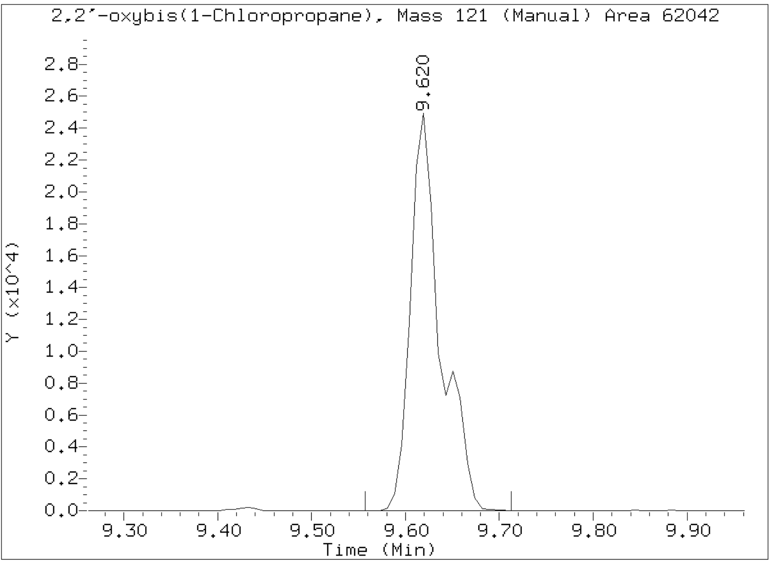


 * Only compounds listed in the work order have been verified by the analyst *
```

Quant Ion Manual Peak Adjustment Report

Datafile: //target/share/chem3/nt14.i/20230106.b/NT1423010634.D
Injection Date: 07-JAN-2023 07:27
Lab ID:SLA0068-CCV1 Client ID:
Report Date: 01/12/2023 08:18





LOW-CONCENTRATION
CONTINUING CALIBRATION CHECK
EPA 8270E

Laboratory:	Analytical Resources, LLC	SDG:	22L0307
Client:	Anchor QEA, LLC	Project:	AOC4 UR Phase 3
Instrument ID:	NT14	Calibration:	FL00066
Lab File ID:	NT1423010603.D	Calibration Date:	12/30/2022
Sequence:	SLA0068	Injection Date:	01/06/23
Lab Sample ID:	SLA0068-LCV1	Injection Time:	12:48
Sequence Name:	ABN 0.2		

COMPOUND	TYPE	CONC. (ug/mL)		RESPONSE FACTOR (RRF)			% DRIFT/DIFF	
		STD	CCV	ICAL	CCV	MIN	CCV	LIMIT
Phenol	A	0.50000	0.4	1.7995200	1.5322990		-14.9	+/-50
bis(2-chloroethyl) ether	A	0.50000	0.5	1.2396270	1.2007360		-3.1	+/-50
2-Chlorophenol	A	0.50000	0.5	1.4607190	1.3313860		-8.9	+/-50
1,3-Dichlorobenzene	A	0.50000	0.5	1.5489360	1.4410590		-7.0	+/-50
1,4-Dichlorobenzene	A	0.50000	0.5	1.4674070	1.3697200		-6.7	+/-50
1,2-Dichlorobenzene	A	0.50000	0.5	1.4391100	1.3782770		-4.2	+/-50
Benzyl Alcohol	A	0.50000	0.4	0.8011083	0.6909475		-13.8	+/-50
2,2'-Oxybis(1-chloropropane)	A	0.50000	0.5	0.4172325	0.4240739		1.6	+/-50
2-Methylphenol	A	0.50000	0.4	1.3076140	1.1231870		-14.1	+/-50
Hexachloroethane	A	0.50000	0.5	0.5396966	0.5650896		4.7	+/-50
N-Nitroso-di-n-Propylamine	A	0.50000	0.5	0.7965591	0.8369506		5.1	+/-50
4-Methylphenol	A	0.50000	0.4	1.3794240	1.1088120		-19.6	+/-50
Nitrobenzene	A	0.50000	0.5	0.3354574	0.3271452		-2.5	+/-50
Isophorone	A	0.50000	0.5	0.4275424	0.4040542		-5.5	+/-50
2-Nitrophenol	A	0.50000	0.4	0.2064997	0.1445365		-29.5	+/-50
2,4-Dimethylphenol	A	1.0000	0.8	0.3501131	0.2786120		-20.4	+/-50
Bis(2-Chloroethoxy)methane	A	0.50000	0.5	0.3325989	0.3135082		-5.7	+/-50
2,4-Dichlorophenol	A	1.0000	0.7	0.2951237	0.1989678		-32.6	+/-50
1,2,4-Trichlorobenzene	A	0.50000	0.5	0.3191088	0.3412618		6.9	+/-50
Naphthalene	A	0.50000	0.5	0.9843833	0.9074691		-7.8	+/-50
Benzoic acid	A	2.0000	0.3	0.1508906	0.0340925		-84.0	+/-50
4-Chloroaniline	A	1.0000	0.8	0.4059568	0.3162822		-22.1	+/-50
Hexachlorobutadiene	A	0.50000	0.5	0.1583286	0.1482439		-6.4	+/-50
4-Chloro-3-Methylphenol	A	1.0000	0.7	0.2785027	0.1990910		-28.5	+/-50
2-Methylnaphthalene	A	0.50000	0.4	0.7220739	0.6175404		-14.5	+/-50
Hexachlorocyclopentadiene	A	1.0000	0.6	0.3023695	0.1702069		-43.7	+/-50
2,4,6-Trichlorophenol	A	1.0000	0.7	0.3338641	0.2284248		-31.6	+/-50
2,4,5-Trichlorophenol	A	1.0000	0.5	0.3853234	0.2028786		-47.3	+/-50
2-Chloronaphthalene	A	0.50000	0.5	1.1441150	1.0376830		-9.3	+/-50
2-Nitroaniline	A	1.0000	1.0	0.3007956	0.2865503		-4.7	+/-50
Acenaphthylene	A	0.50000	0.5	1.7445240	1.6170110		-7.3	+/-50
Dimethylphthalate	A	0.50000	0.5	1.1280520	1.0909650		-3.3	+/-50
2,6-Dinitrotoluene	A	1.0000	0.8	0.2545771	0.2155461		-15.3	+/-50
Acenaphthene	A	0.50000	0.5	1.0820160	1.0165960		-6.0	+/-50

* Values outside of QC limits

LOW-CONCENTRATION
CONTINUING CALIBRATION CHECK
EPA 8270E

Laboratory:	Analytical Resources, LLC	SDG:	22L0307
Client:	Anchor QEA, LLC	Project:	AOC4 UR Phase 3
Instrument ID:	NT14	Calibration:	FL00066
Lab File ID:	NT1423010603.D	Calibration Date:	12/30/2022
Sequence:	SLA0068	Injection Date:	01/06/23
Lab Sample ID:	SLA0068-LCV1	Injection Time:	12:48
Sequence Name:	ABN 0.2		

		CONC. (ug/mL)		RESPONSE FACTOR (RRF)			% DRIFT/DIFF	
COMPOUND	TYPE	STD	CCV	ICAL	CCV	MIN	CCV	LIMIT
3-Nitroaniline	A	1.0000	0.8	0.3094189	0.2543273		-17.8	+/-50
2,4-Dinitrophenol	A	2.0000	0.3	0.1831718	0.0278422		-87.1	+/-50
Dibenzofuran	A	0.50000	0.5	1.6225950	1.4844250		-8.5	+/-50
4-Nitrophenol	A	1.0000	0.6	0.1384031	0.0859018		-42.0	+/-50
2,4-Dinitrotoluene	A	1.0000	0.8	0.3492859	0.2751759		-21.2	+/-50
Fluorene	A	0.50000	0.5	1.7261350	1.5959780		-7.5	+/-50
4-Chlorophenylphenyl ether	A	0.50000	0.4	0.8450792	0.7137103		-15.5	+/-50
Diethyl phthalate	A	0.50000	0.5	1.5332690	1.6410270		7.0	+/-50
4-Nitroaniline	A	1.0000	0.9	0.3413732	0.3337237		-10.5	+/-50
4,6-Dinitro-2-methylphenol	A	2.0000	0.8	0.1530278	0.0645981		-61.6	+/-50
N-Nitrosodiphenylamine	A	0.50000	0.5	0.6863845	0.6195208		-9.7	+/-50
4-Bromophenyl phenyl ether	A	0.50000	0.4	0.2599074	0.2233488		-14.1	+/-50
Hexachlorobenzene	A	0.50000	0.4	0.2852204	0.2528640		-11.3	+/-50
Pentachlorophenol	A	1.0000	0.1	0.1128364	0.0138048		-88.8	+/-50
Phenanthrene	A	0.50000	0.5	1.0429190	0.9555440		-8.4	+/-50
Anthracene	A	0.50000	0.5	0.9956202	0.9148149		-8.1	+/-50
Carbazole	A	0.50000	0.5	0.9624945	0.8893316		-7.6	+/-50
Di-n-Butylphthalate	A	0.50000	0.5	1.0394700	1.0442470		-4.1	+/-50
Fluoranthene	A	0.50000	0.5	1.2879410	1.2532660		-2.7	+/-50
Pyrene	A	0.50000	0.5	1.3541610	1.3149750		-2.9	+/-50
Butylbenzylphthalate	A	0.50000	0.6	0.4650792	0.5775167		12.9	+/-50
Benzo(a)anthracene	A	0.50000	0.5	1.2117210	1.1313630		-6.6	+/-50
3,3'-Dichlorobenzidine	A	1.5000	1.5	0.3709370	0.3827064		3.2	+/-50
Chrysene	A	0.50000	0.5	1.1445730	1.0719170		-6.3	+/-50
bis(2-Ethylhexyl)phthalate	A	0.50000	0.5	0.4442323	0.4294294		-3.3	+/-50
Di-n-Octylphthalate	A	0.50000	0.5	0.9601702	0.8933345		-7.0	+/-50
Benzofluoranthenes, Total	A	1.0000	0.9	1.2153330	1.0773820		-11.4	+/-50
Benzo(a)pyrene	A	0.50000	0.5	1.0450150	1.0103120		-3.3	+/-50
Indeno(1,2,3-cd)pyrene	A	0.50000	0.5	1.1879490	1.1116820		-6.4	+/-50
Dibenzo(a,h)anthracene	A	0.50000	0.5	1.0094890	0.9116889		-9.7	+/-50
Benzo(g,h,i)perylene	A	0.50000	0.5	0.9951726	0.9213717		-7.4	+/-50
1-Methylnaphthalene	A	0.50000	0.4	0.6937882	0.6058738		-12.7	+/-50
2-Fluorophenol	A	0.75000	0.684	1.2814900	1.1683830		-8.8	+/-50
Phenol-d5	A	0.75000	0.647	1.5836890	1.3657920		-13.8	+/-50

* Values outside of QC limits

LOW-CONCENTRATION
CONTINUING CALIBRATION CHECK
EPA 8270E

Laboratory:	Analytical Resources, LLC	SDG:	22L0307
Client:	Anchor QEA, LLC	Project:	AOC4 UR Phase 3
Instrument ID:	NT14	Calibration:	FL00066
Lab File ID:	NT1423010603.D	Calibration Date:	12/30/2022
Sequence:	SLA0068	Injection Date:	01/06/23
Lab Sample ID:	SLA0068-LCV1	Injection Time:	12:48
Sequence Name:	ABN 0.2		

		CONC. (ug/mL)		RESPONSE FACTOR (RRF)			% DRIFT/DIFF	
COMPOUND	TYPE	STD	CCV	ICAL	CCV	MIN	CCV	LIMIT
2-Chlorophenol-d4	A	0.75000	0.697	1.3300510	1.2355660		-7.1	+/-50
1,2-Dichlorobenzene-d4	A	0.50000	0.468	0.9090592	0.8510815		-6.4	+/-50
Nitrobenzene-d5	A	0.50000	0.500	0.3377760	0.3378525		0.02	+/-50
2-Fluorobiphenyl	A	0.50000	0.457	1.3448860	1.2293580		-8.6	+/-50
2,4,6-Tribromophenol	A	0.75000	0.519	0.1844845	0.1298951		-30.8	+/-50
p-Terphenyl-d14	A	0.50000	0.471	0.9601842	0.9053521		-5.7	+/-50

* Values outside of QC limits

* Values outside of QC limits

Data File: \\target\share\chem3\nt14.i\20230106.b\NT1423010603.D

Page 1

Date : 06-JAN-2023 12:48

Client ID:

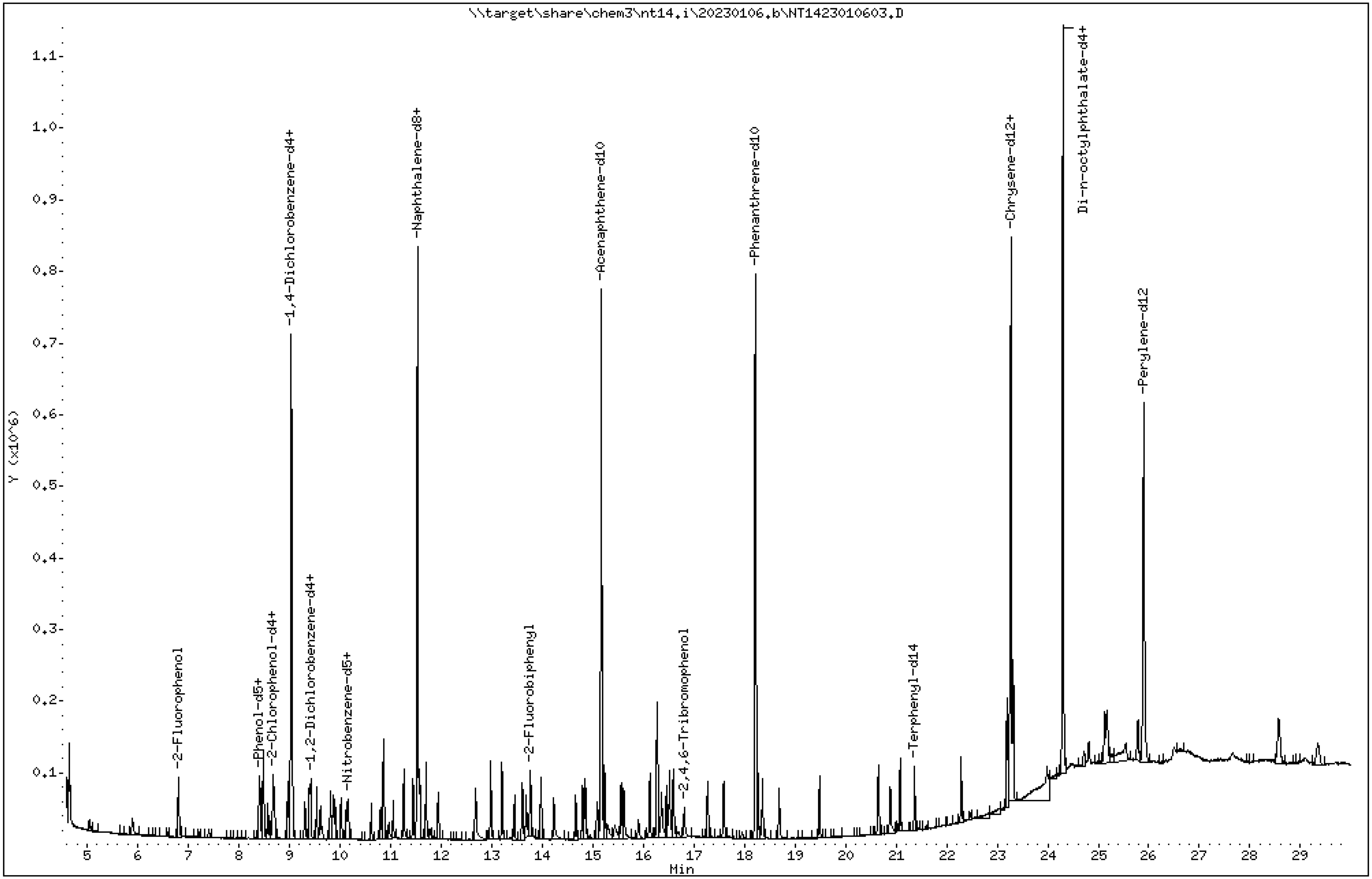
Instrument: nt14.i

Sample Info: SLA0068-LCV1

Operator: VTS

Column phase: ZB-5msi

Column diameter: 0.25



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Date : 06-JAN-2023 12:48

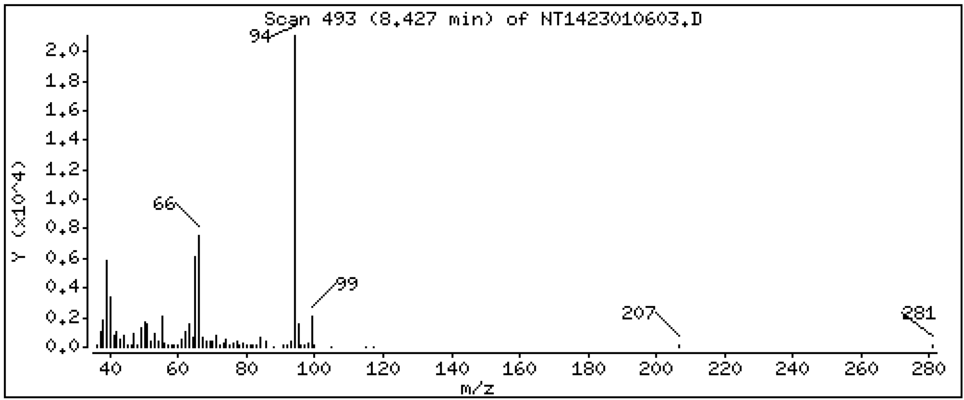
Client ID: Instrument: nt14.i

Sample Info: SLA0068-LCV1

Operator: VTS

Column phase: ZB-5msi Column diameter: 0.25

3 Phenol Concentration: 0.4258 ug/mL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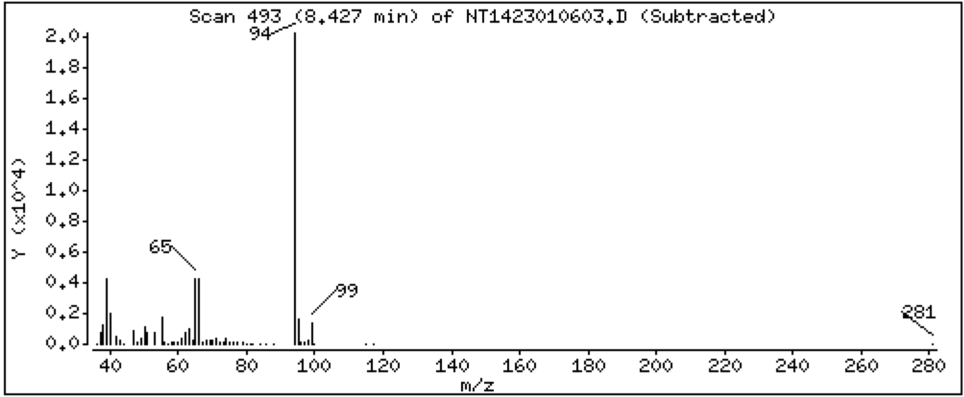
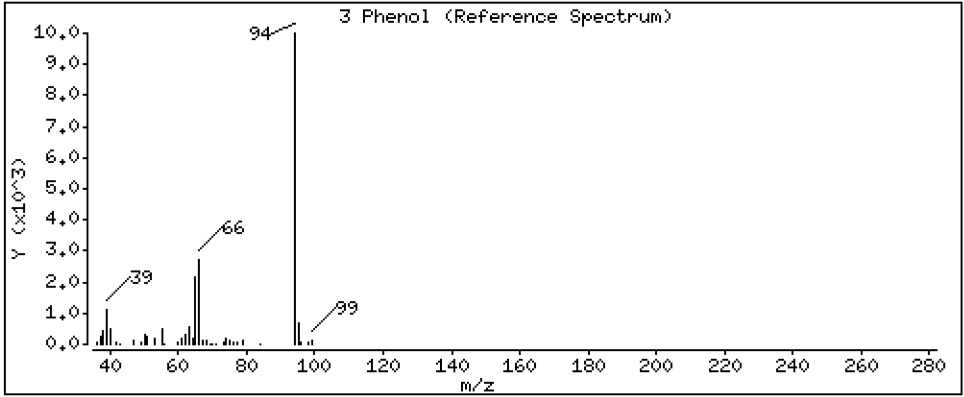
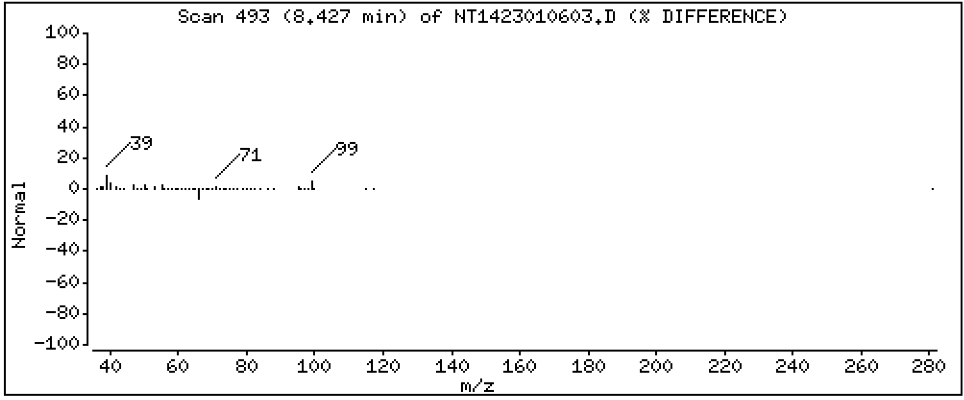
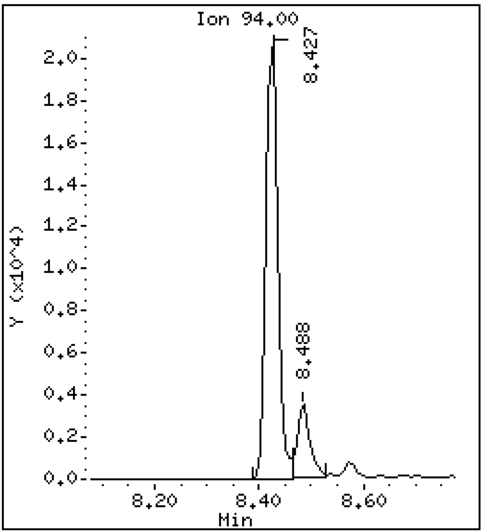
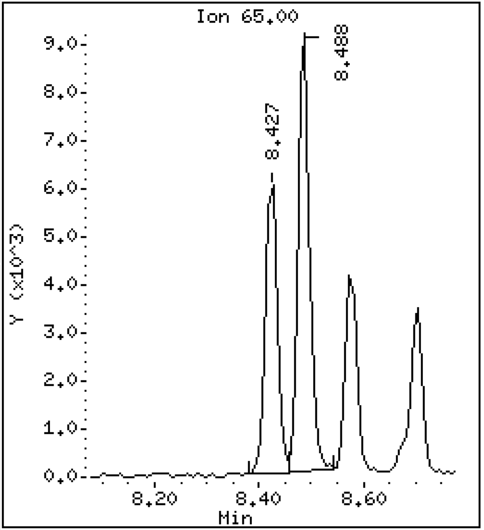
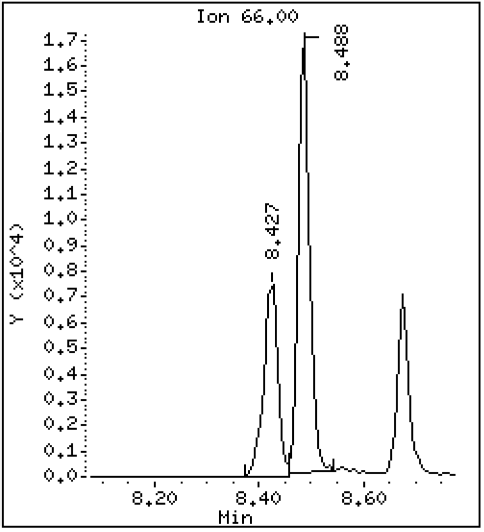

Scan 493 (8.427 min) of NT1423010603.D (Subtracted)


3 Phenol (Reference Spectrum)


Scan 493 (8.427 min) of NT1423010603.D (% DIFFERENCE)


Ion 94.00


Ion 65.00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Data File: \\target\share\chem3\nt14.i\20230106.b\NT1423010603.D

Date : 06-JAN-2023 12:48

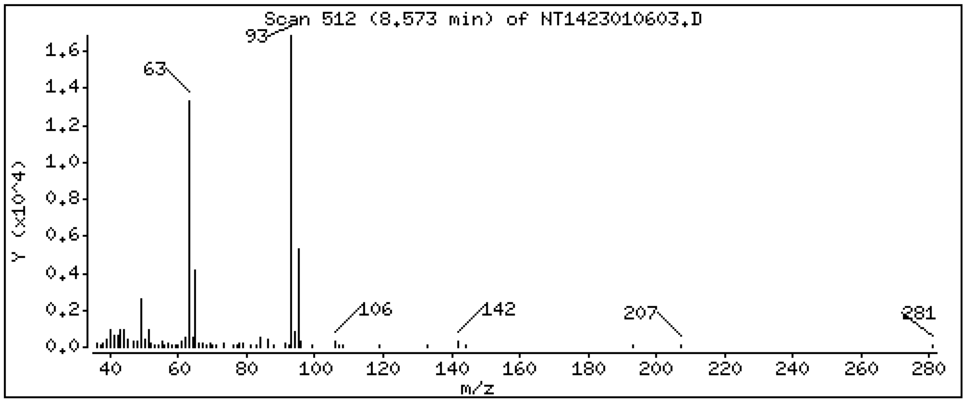
Client ID: Instrument: nt14.i

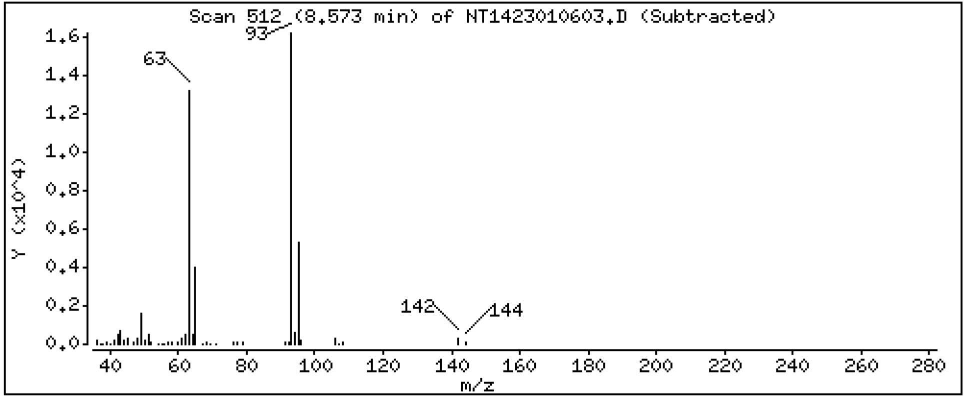
Sample Info: SLA0068-LCV1

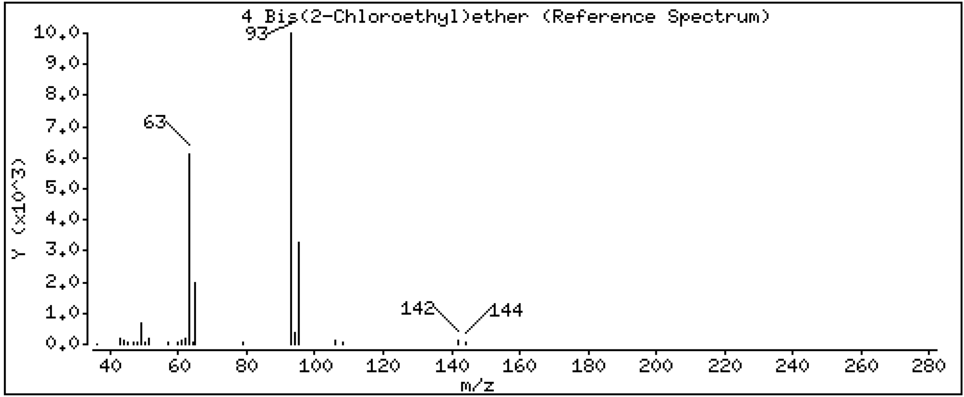
Operator: VTS

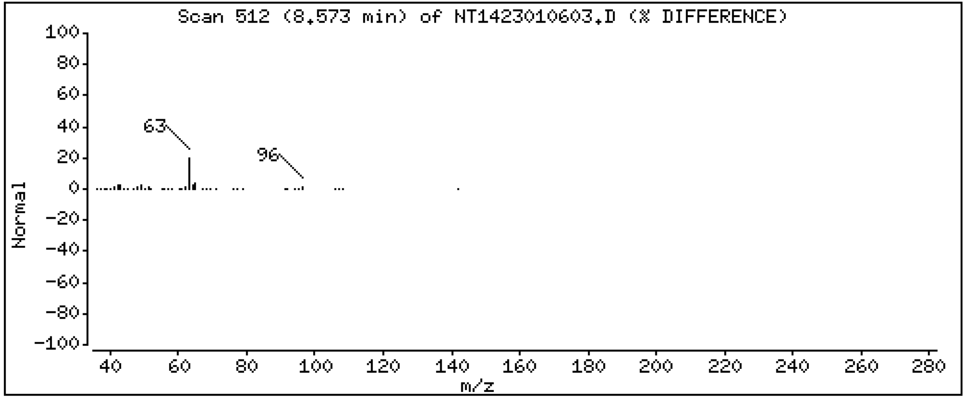
Column phase: ZB-5msi Column diameter: 0.25

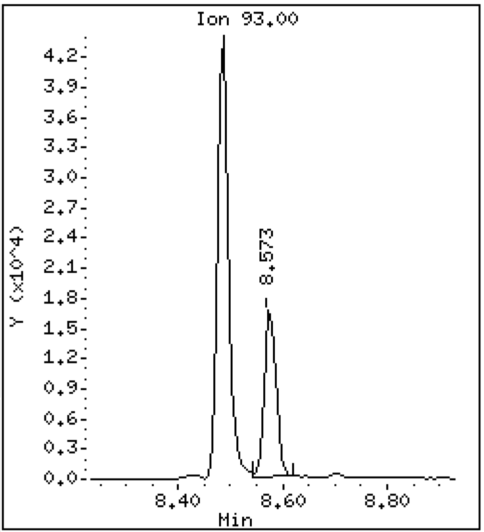
4 Bis(2-Chloroethyl)ether Concentration: 0.4843 ug/mL


Scan 512 (8.573 min) of NT1423010603.D


Scan 512 (8.573 min) of NT1423010603.D (Subtracted)


4 Bis(2-Chloroethyl)ether (Reference Spectrum)


Scan 512 (8.573 min) of NT1423010603.D (% DIFFERENCE)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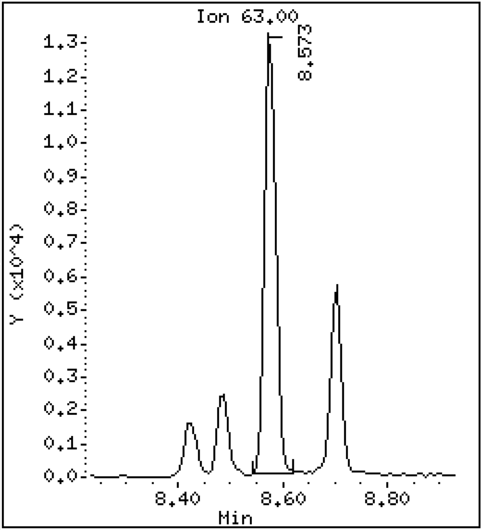
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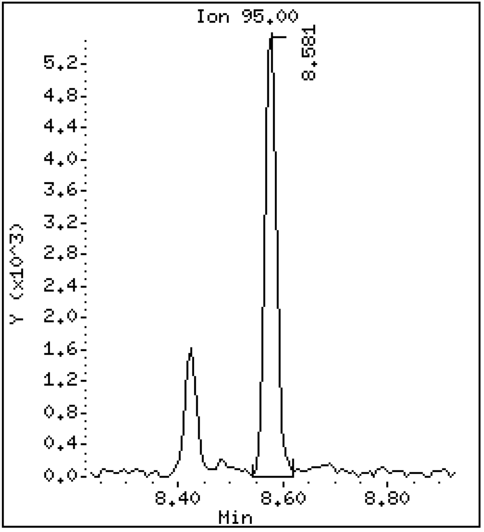

Ion 95.00

Data File: \\target\share\chem3\nt14.i\20230106.b\NT1423010603.D

Date : 06-JAN-2023 12:48

Client ID:

Instrument: nt14.i

Sample Info: SLA0068-LCV1

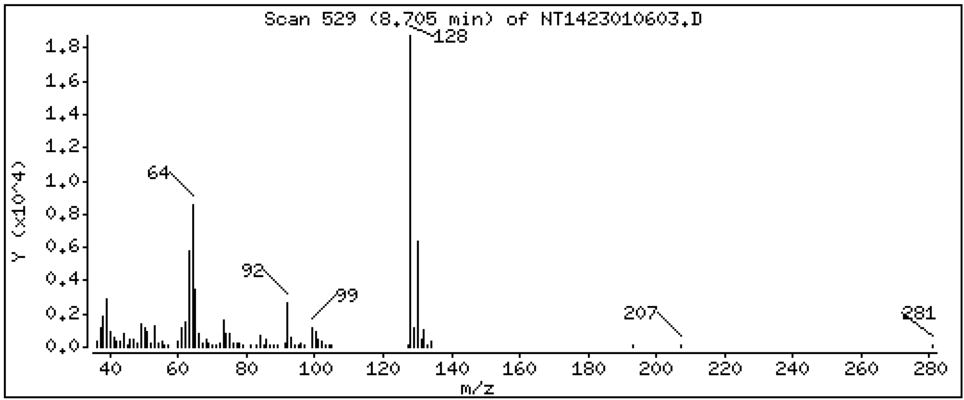
Operator: VTS

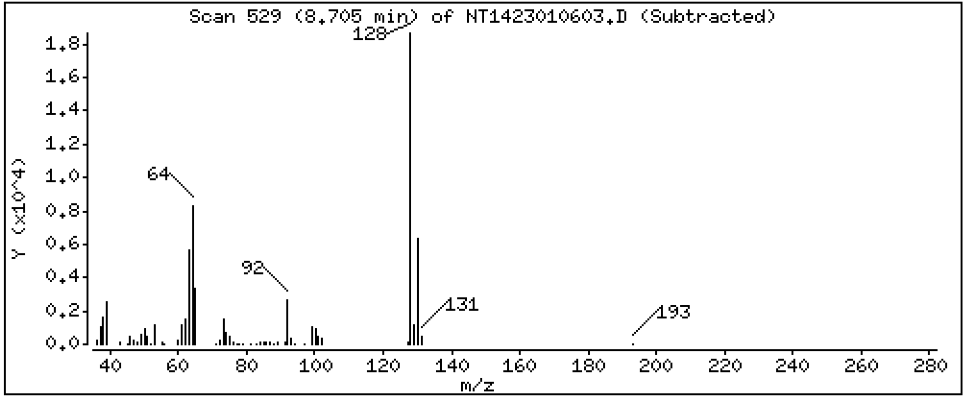
Column phase: ZB-5msi

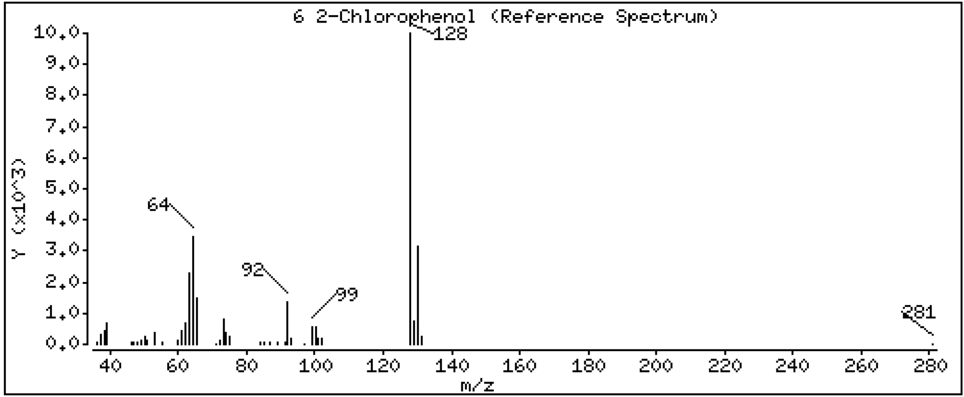
Column diameter: 0.25

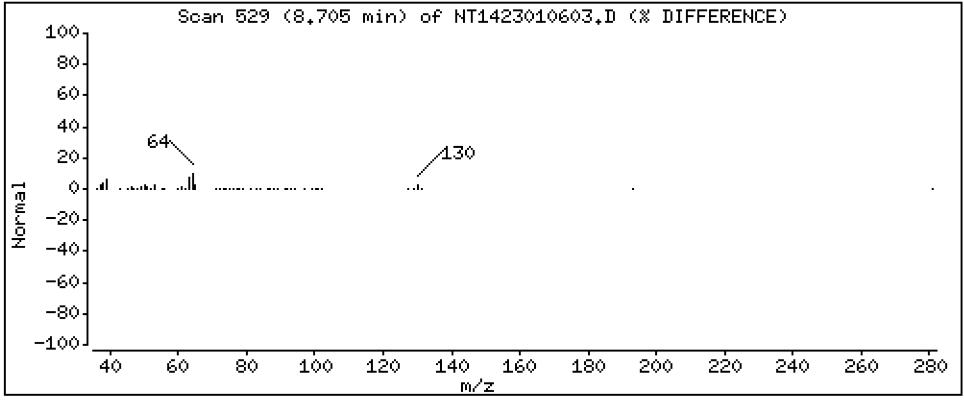
6 2-Chlorophenol

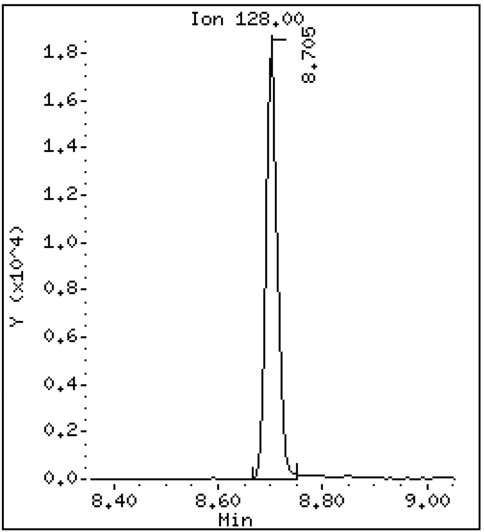
Concentration: 0.4557 ug/mL


Scan 529 (8.705 min) of NT1423010603.D


Scan 529 (8.705 min) of NT1423010603.D (Subtracted)


6 2-Chlorophenol (Reference Spectrum)


Scan 529 (8.705 min) of NT1423010603.D (% DIFFERENCE)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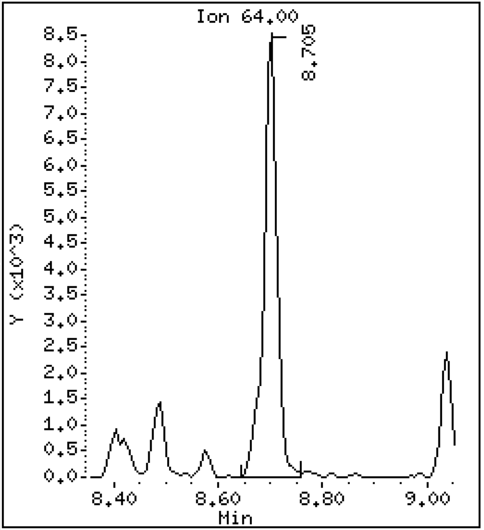
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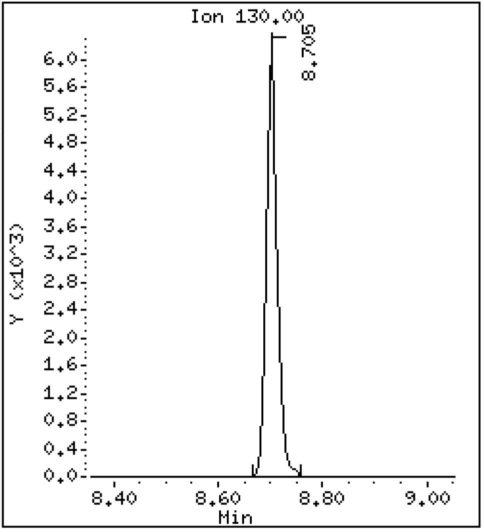

Ion 130.00

Data File: \\target\share\chem3\nt14.i\20230106.b\NT1423010603.D

Date : 06-JAN-2023 12:48

Client ID:

Instrument: nt14.i

Sample Info: SLA0068-LCV1

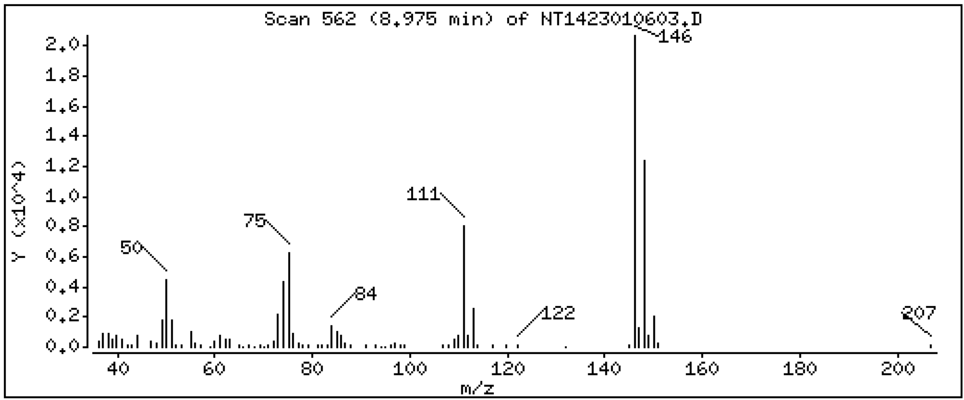
Operator: VTS

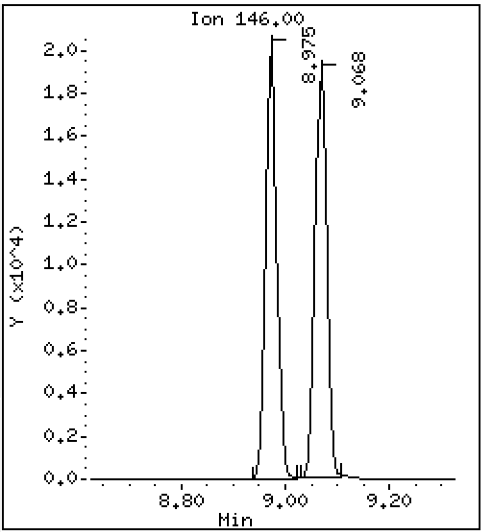
Column phase: ZB-5msi

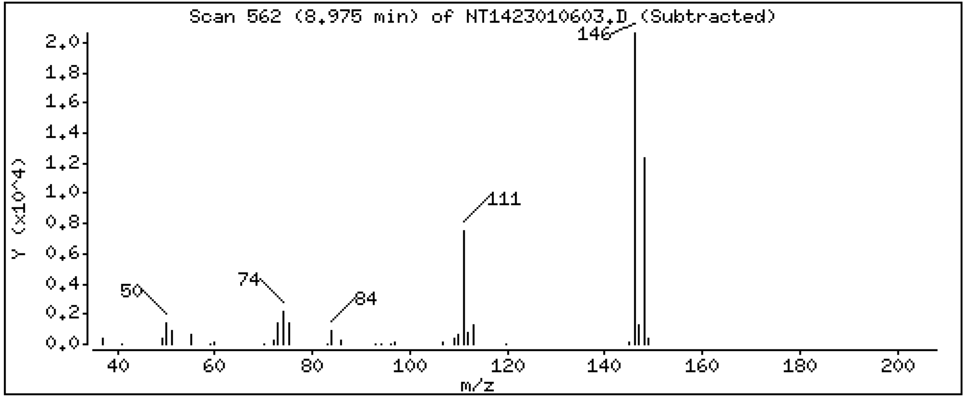
Column diameter: 0.25

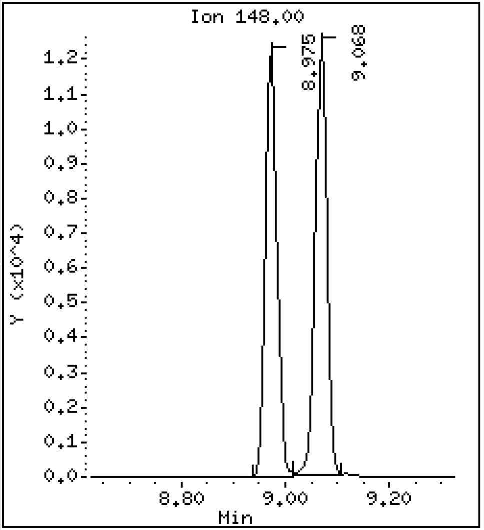
7 1,3-Dichlorobenzene

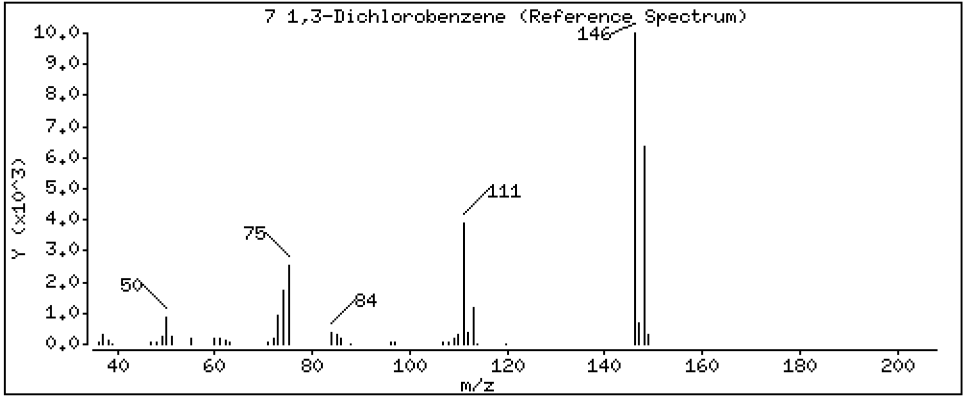
Concentration: 0.4652 ug/mL

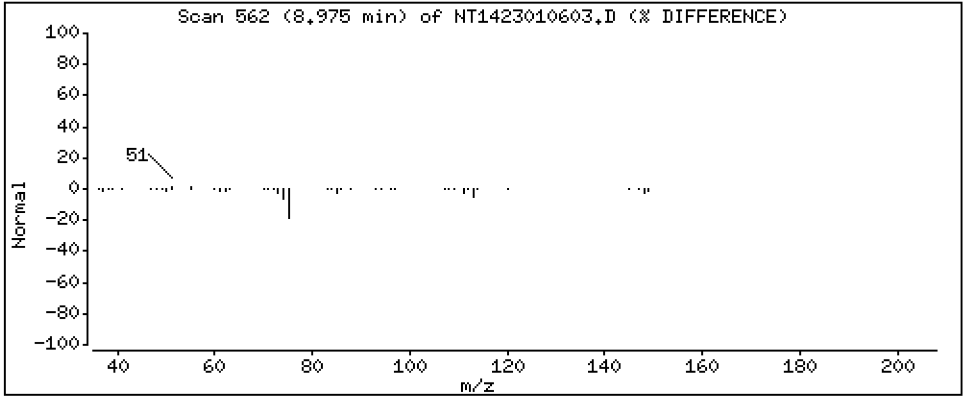


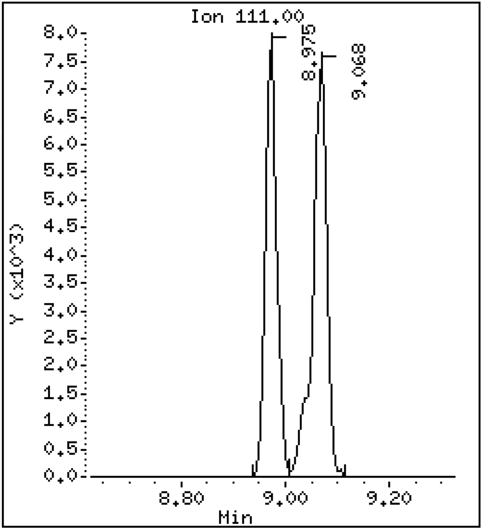












Data File: \\target\share\chem3\nt14.i\20230106.b\NT1423010603.D Page 6

Date : 06-JAN-2023 12:48

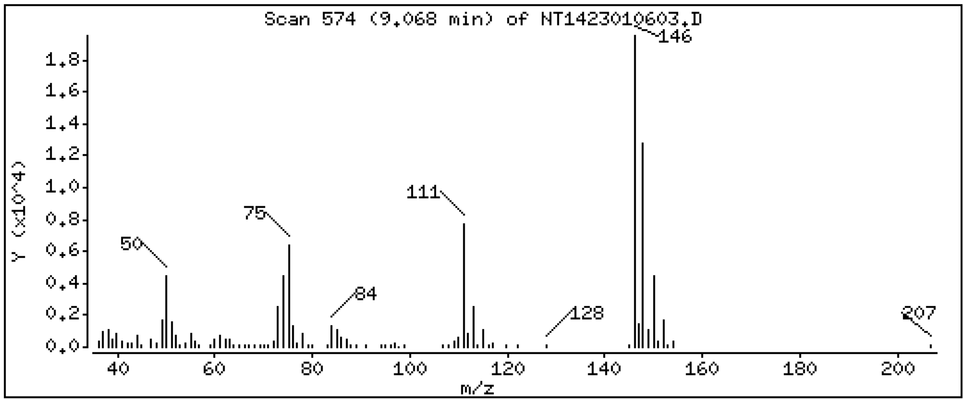
Client ID: Instrument: nt14.i

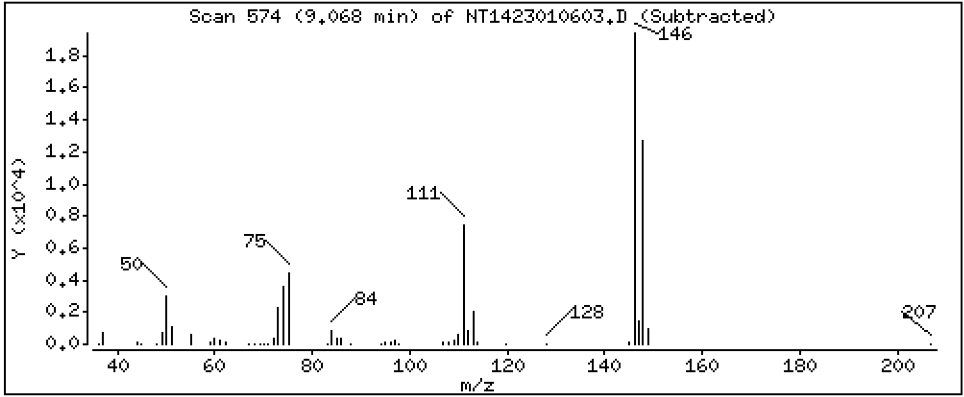
Sample Info: SLA0068-LCV1

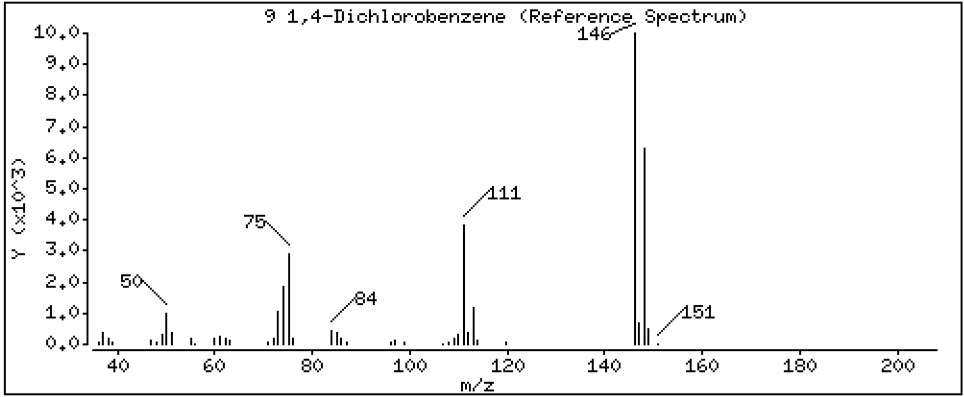
Operator: VTS

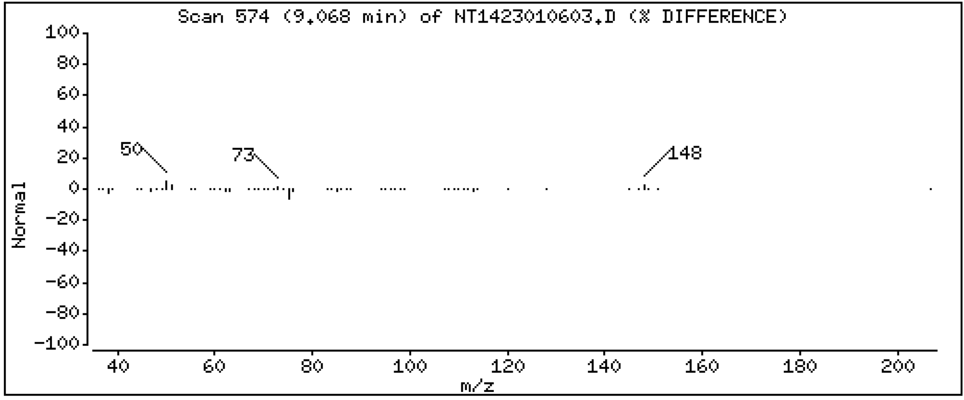
Column phase: ZB-5msi Column diameter: 0.25

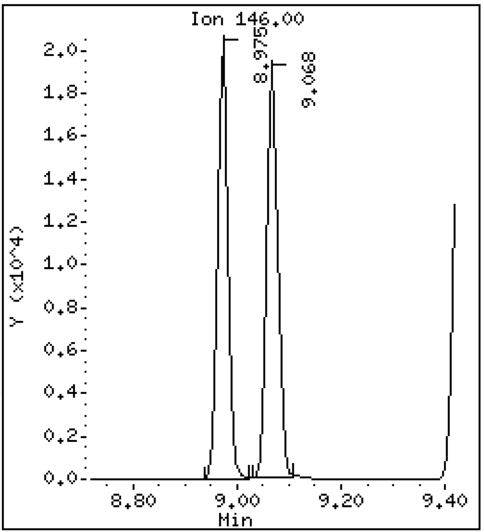
9 1,4-Dichlorobenzene Concentration: 0.4667 ug/mL

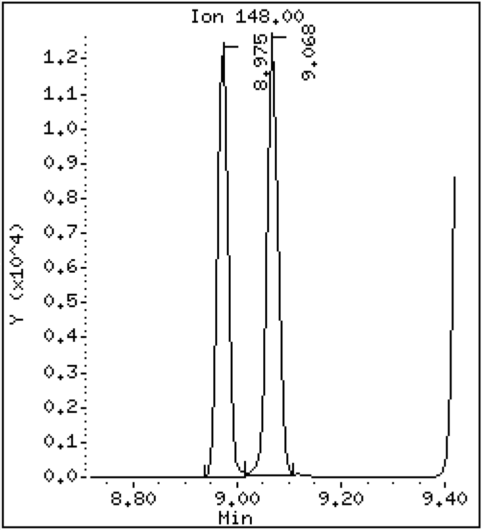


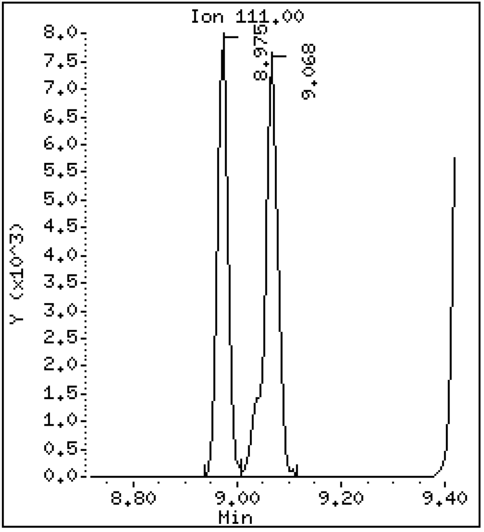












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Date : 06-JAN-2023 12:48

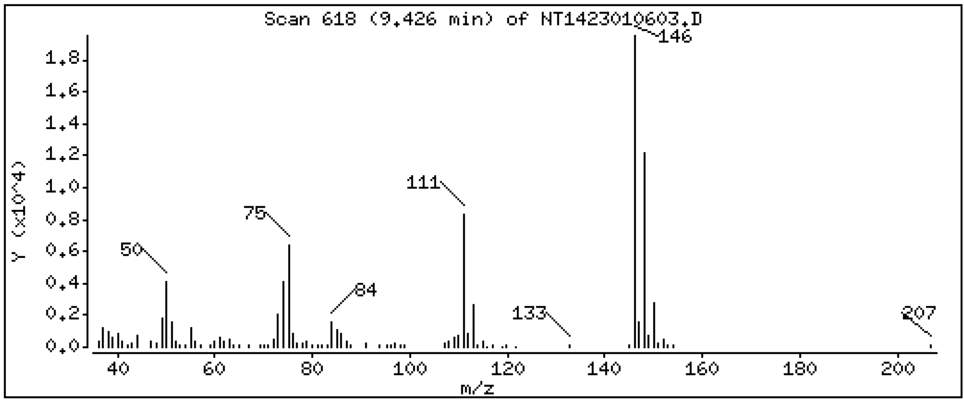
Client ID: Instrument: nt14.i

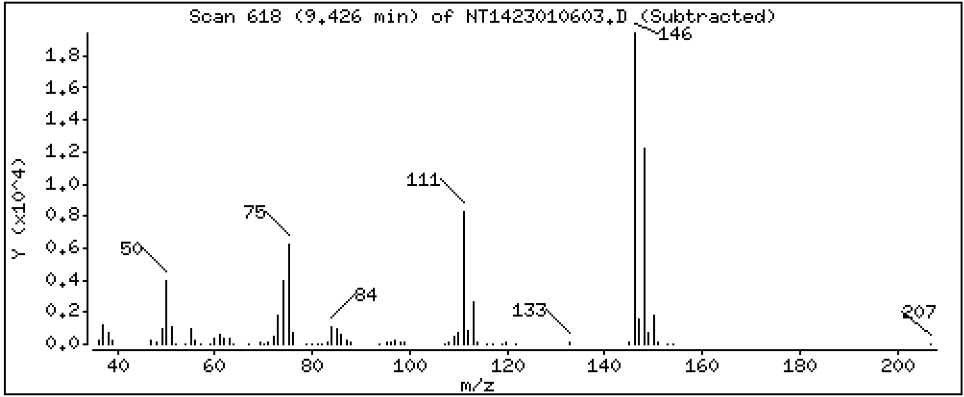
Sample Info: SLA0068-LCV1

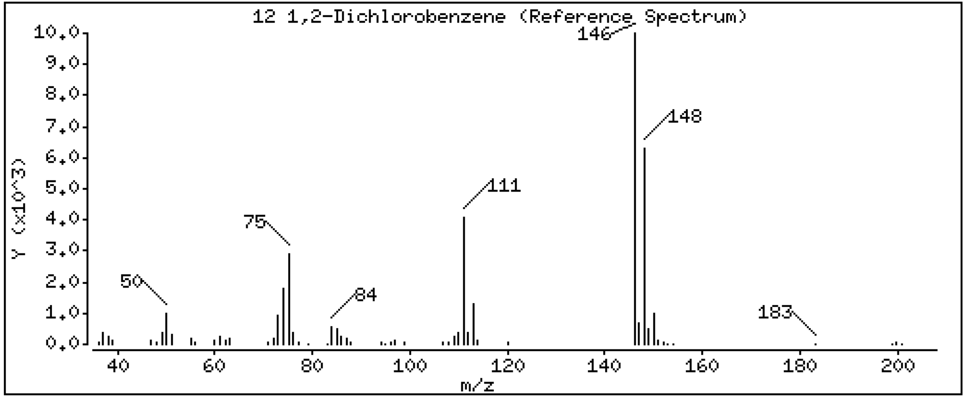
Operator: VTS

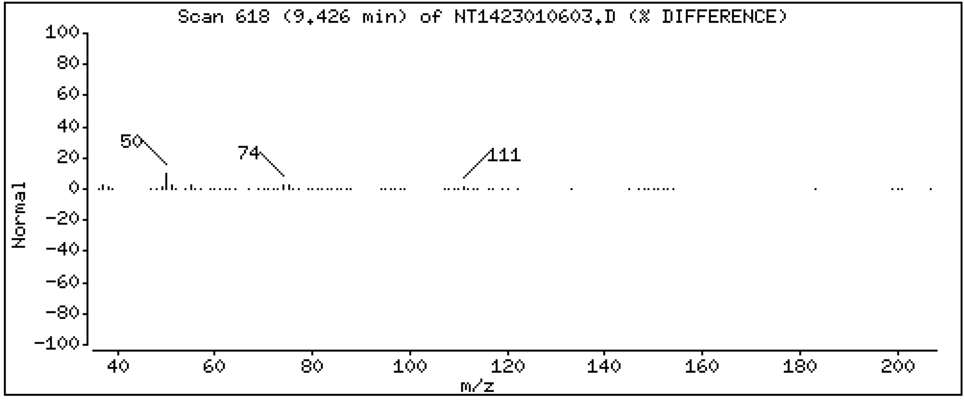
Column phase: ZB-5msi Column diameter: 0.25

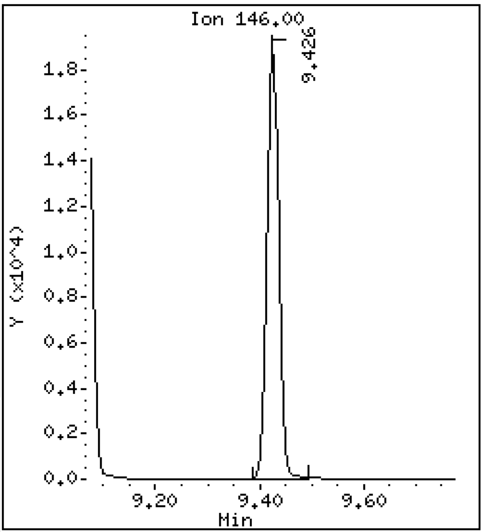
12 1,2-Dichlorobenzene Concentration: 0.4789 ug/mL

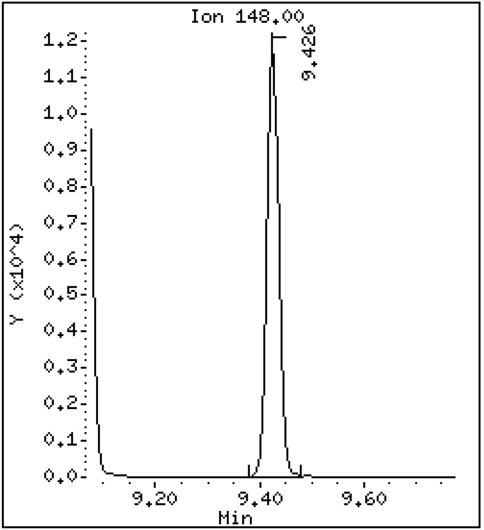

Scan 618 (9.426 min) of NT1423010603.D

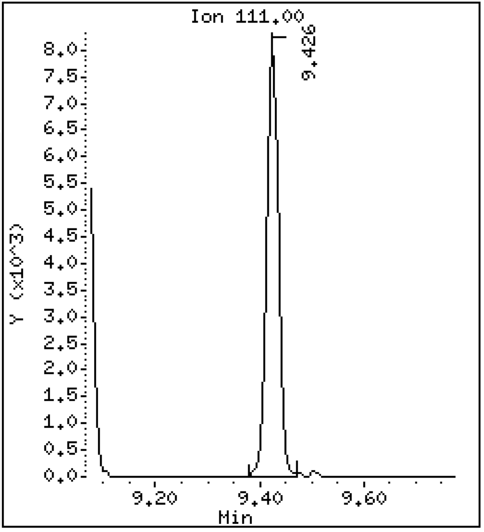

Scan 618 (9.426 min) of NT1423010603.D (Subtracted)


12 1,2-Dichlorobenzene (Reference Spectrum)


Scan 618 (9.426 min) of NT1423010603.D (% DIFFERENCE)


Ion 146.00


Ion 148.00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Data File: \\target\share\chem3\nt14.i\20230106.b\NT1423010603.D

Date : 06-JAN-2023 12:48

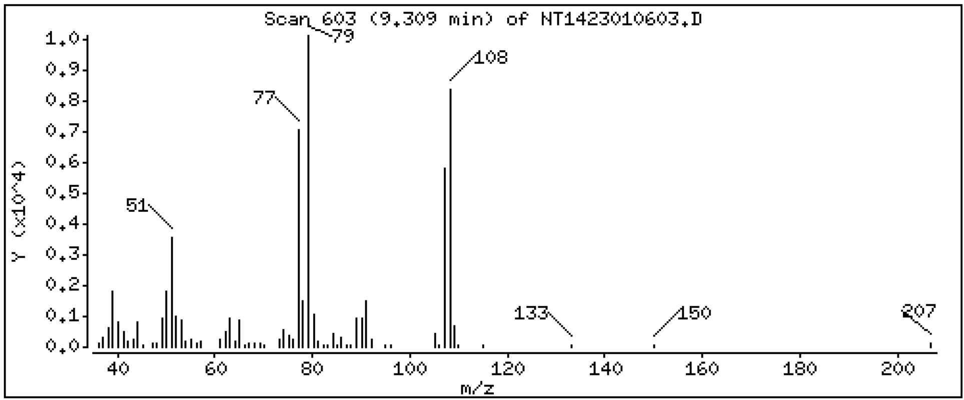
Client ID: Instrument: nt14.i

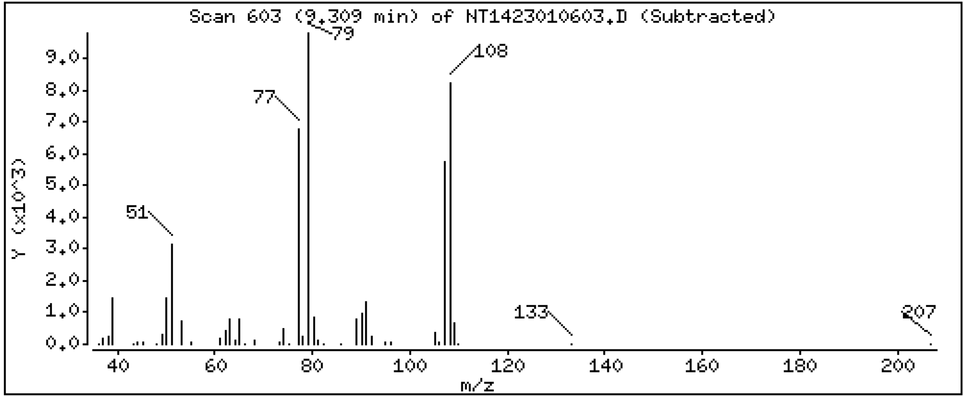
Sample Info: SLA0068-LCV1

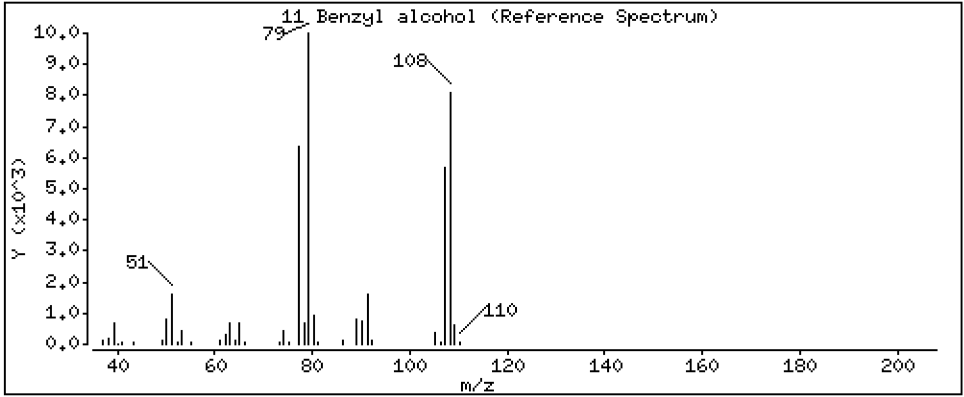
Operator: VTS

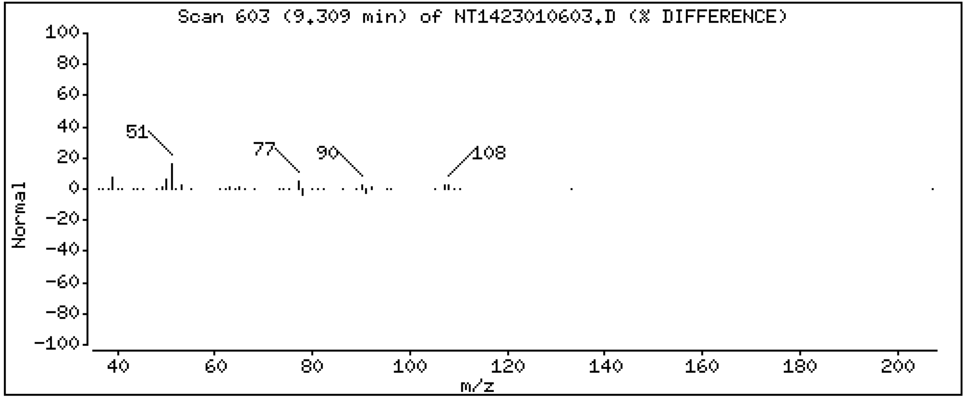
Column phase: ZB-5msi Column diameter: 0.25

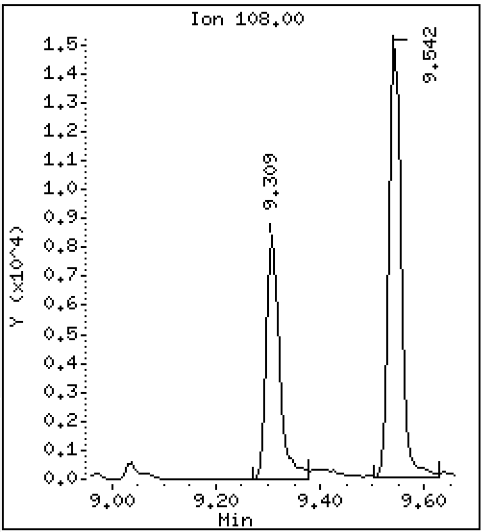
11 Benzyl alcohol Concentration: 0.4312 ug/mL

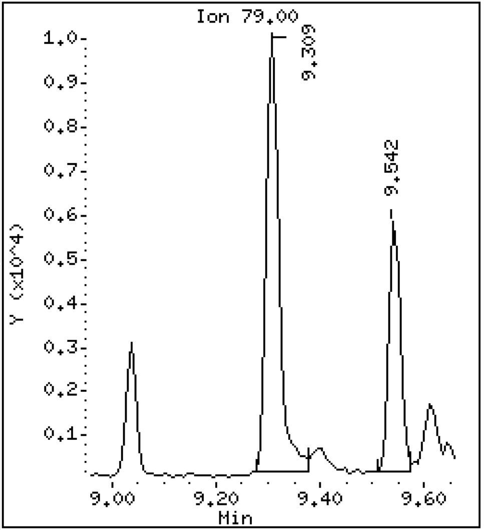


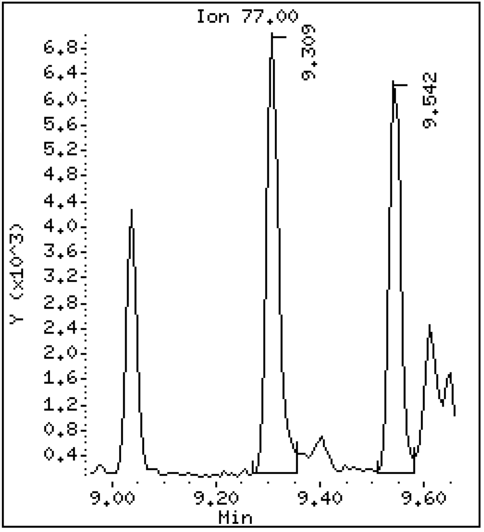












Data File: \\target\share\chem3\nt14.i\20230106.b\NT1423010603.D

Date : 06-JAN-2023 12:48

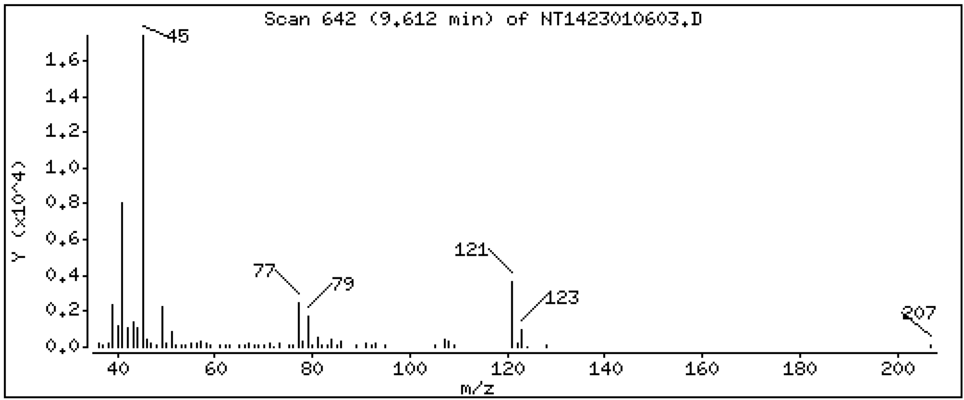
Client ID: Instrument: nt14.i

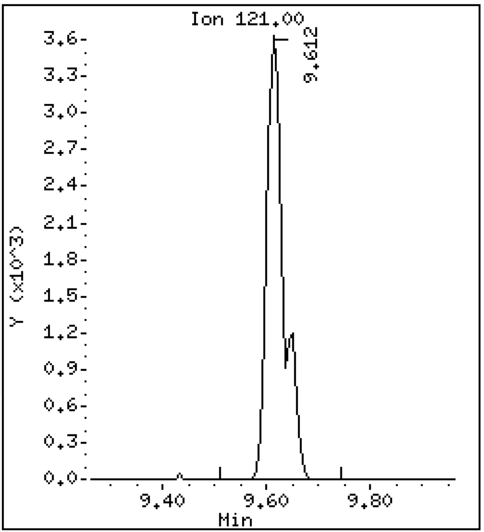
Sample Info: SLA0068-LCV1

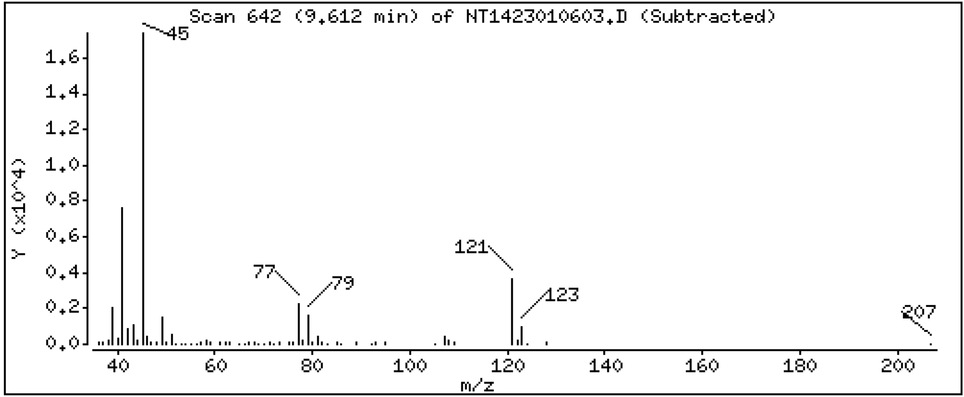
Operator: VTS

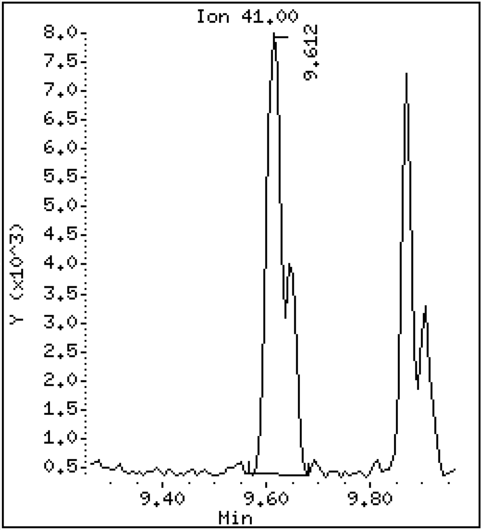
Column phase: ZB-5msi Column diameter: 0.25

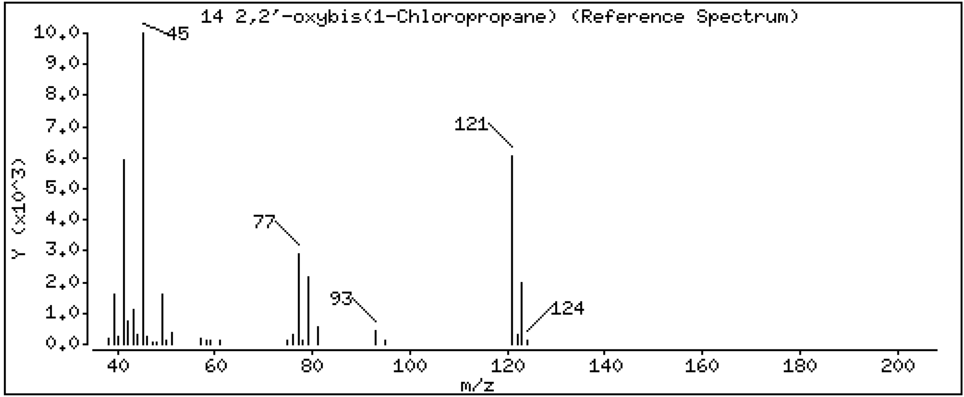
14 2,2'-oxybis(1-Chloropropane) Concentration: 0.5082 ug/mL

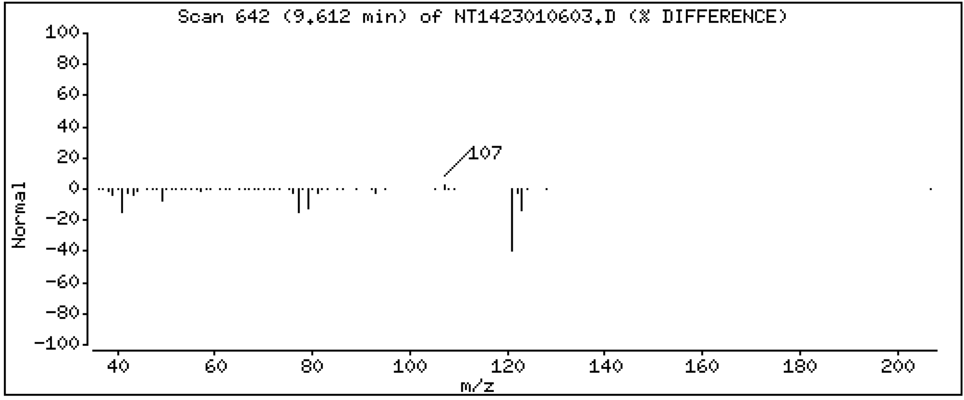

Scan 642 (9.612 min) of NT1423010603.D

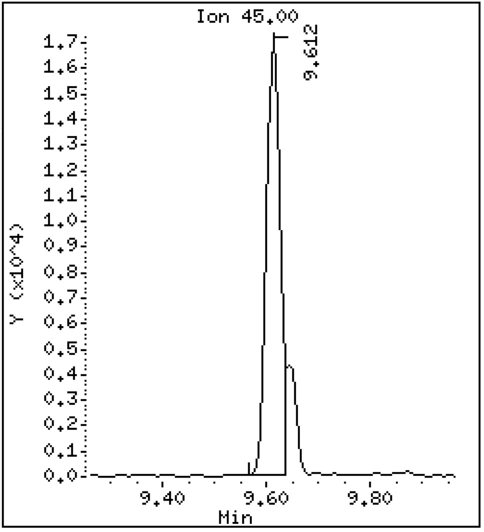

Ion 121.00


Scan 642 (9.612 min) of NT1423010603.D (Subtracted)


Ion 41.00


14 2,2'-oxybis(1-Chloropropane) (Reference Spectrum)


Scan 642 (9.612 min) of NT1423010603.D (% DIFFERENCE)


Ion 45.00

Data File: \\target\share\chem3\nt14.i\20230106.b\NT1423010603.D

Date : 06-JAN-2023 12:48

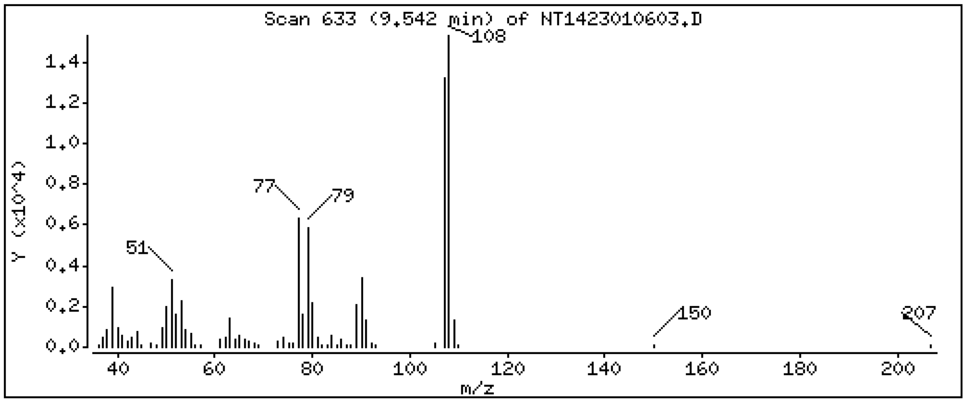
Client ID: Instrument: nt14.i

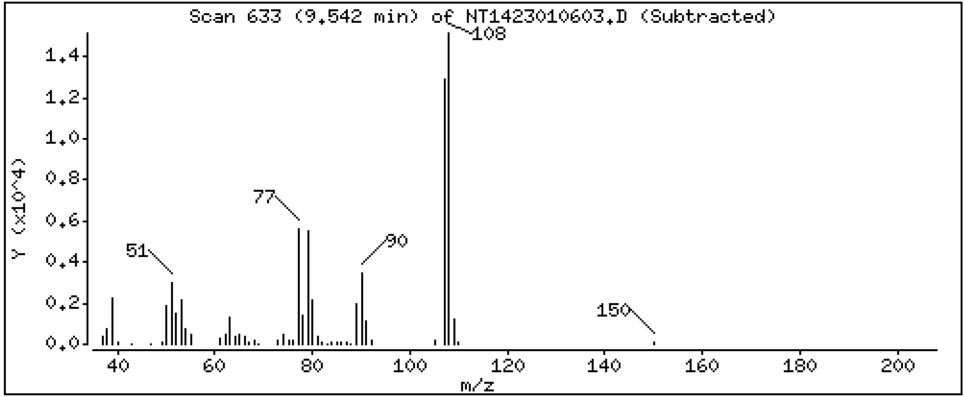
Sample Info: SLA0068-LCV1

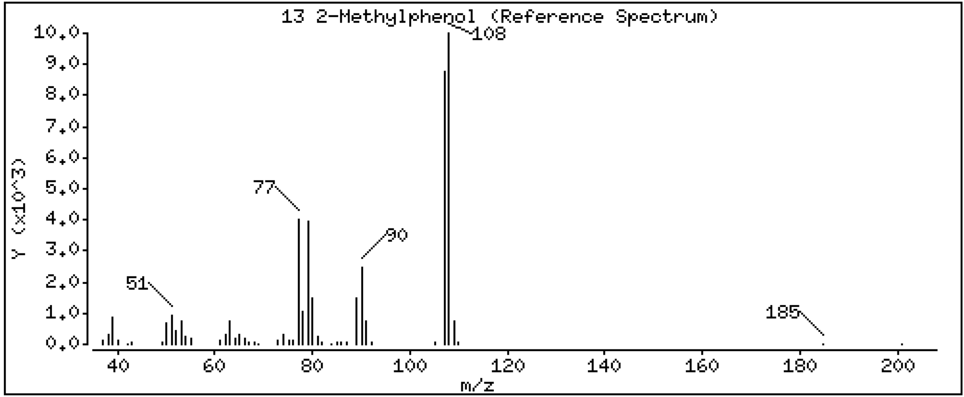
Operator: VTS

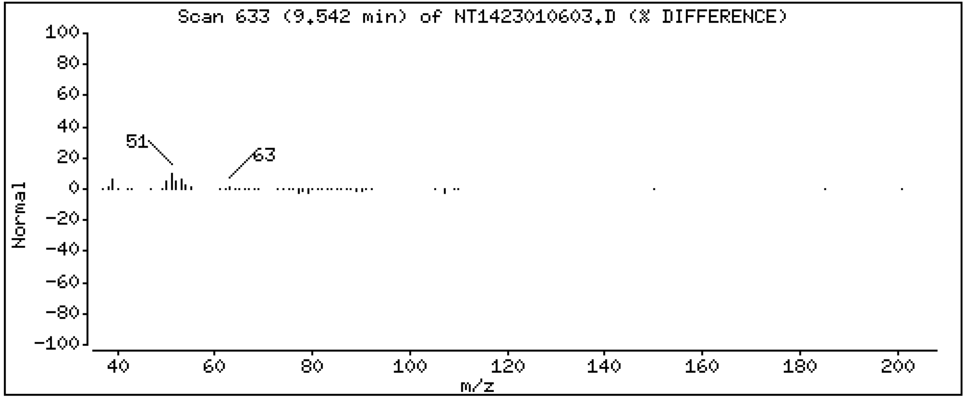
Column phase: ZB-5msi Column diameter: 0.25

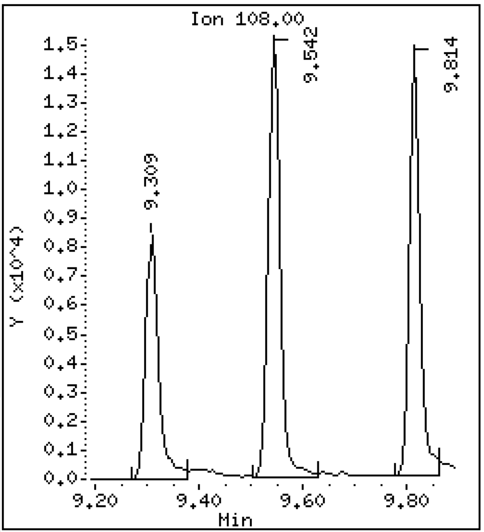
13 2-Methylphenol Concentration: 0.4295 ug/mL

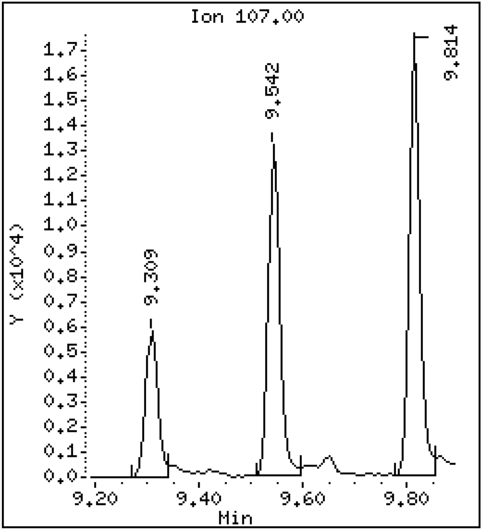


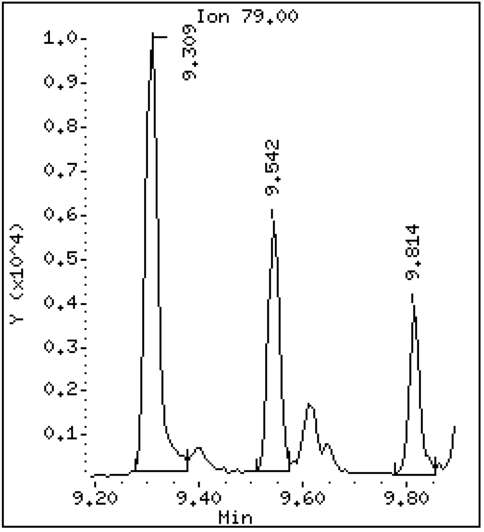












Data File: \\target\share\chem3\nt14.i\20230106.b\NT1423010603.D

Date : 06-JAN-2023 12:48

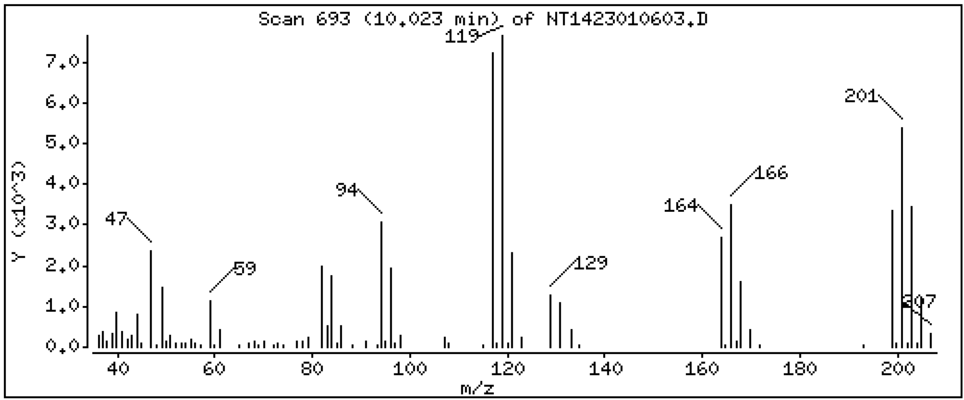
Client ID: Instrument: nt14.i

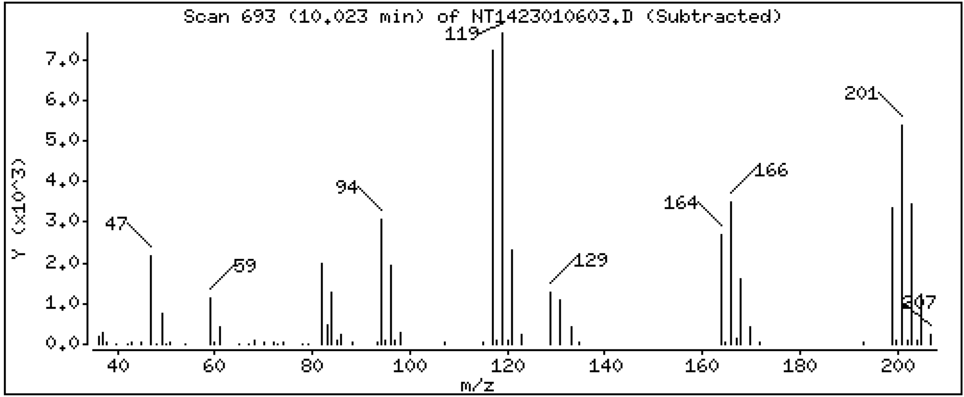
Sample Info: SLA0068-LCV1

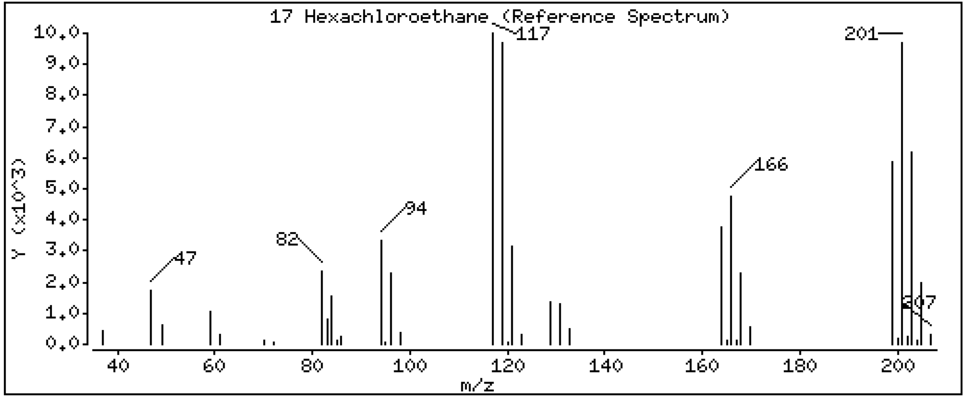
Operator: VTS

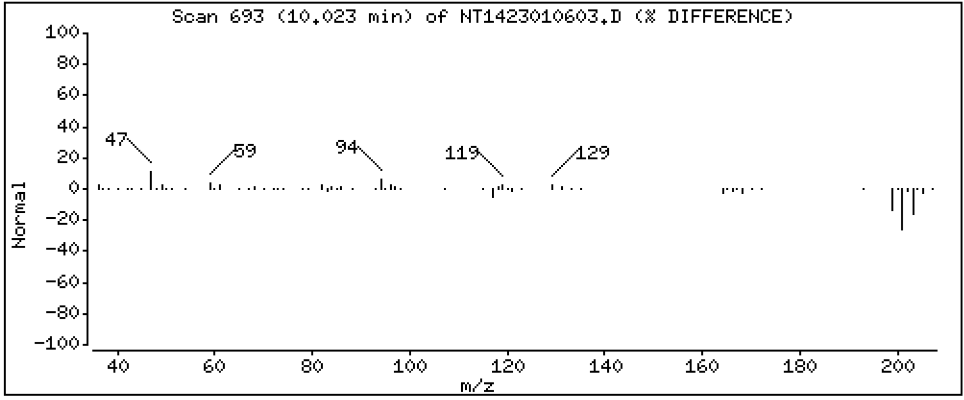
Column phase: ZB-5msi Column diameter: 0.25

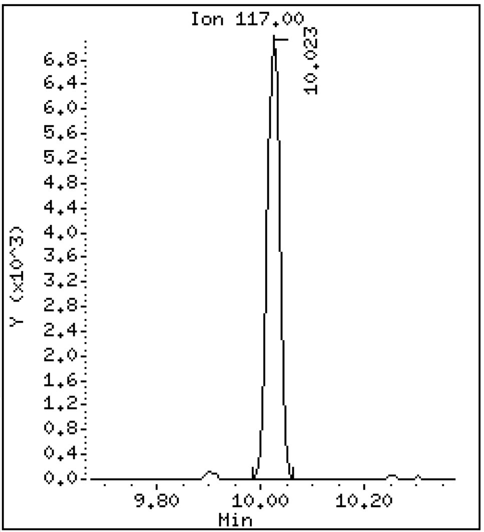
17 Hexachloroethane Concentration: 0.5235 ug/mL

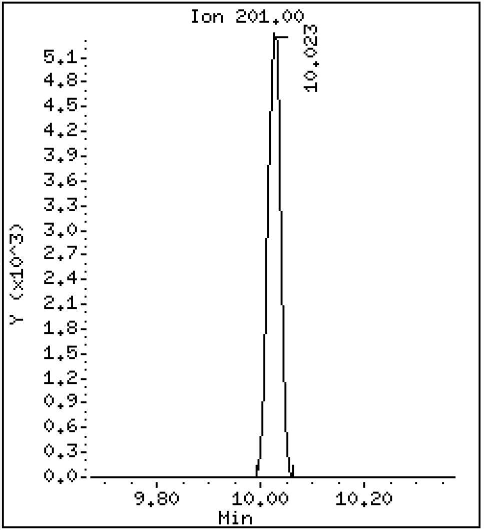


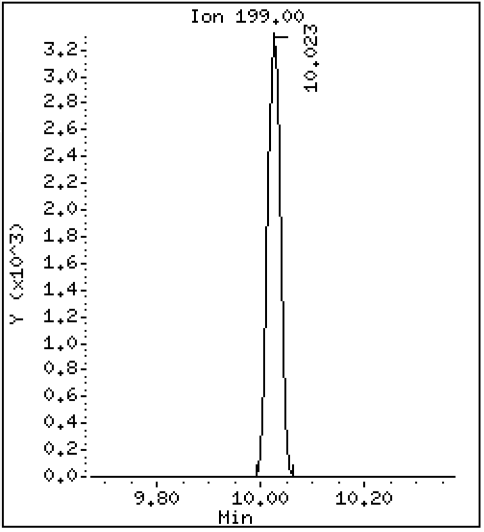












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Date : 06-JAN-2023 12:48

Client ID:

Instrument: nt14.i

Sample Info: SLA0068-LCV1

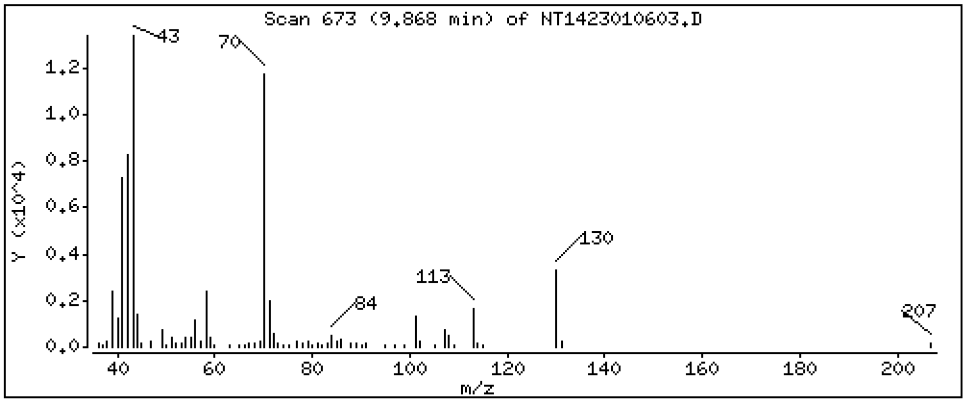
Operator: VTS

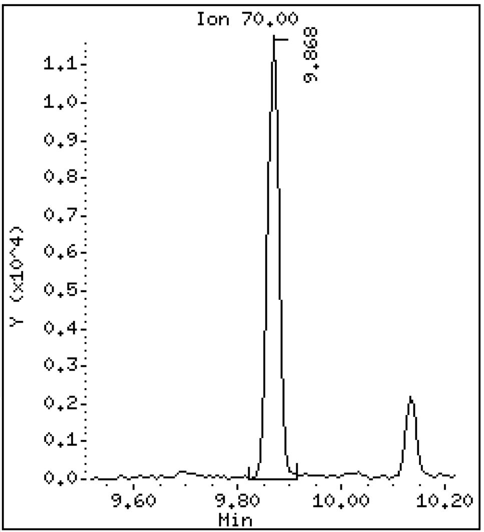
Column phase: ZB-5msi

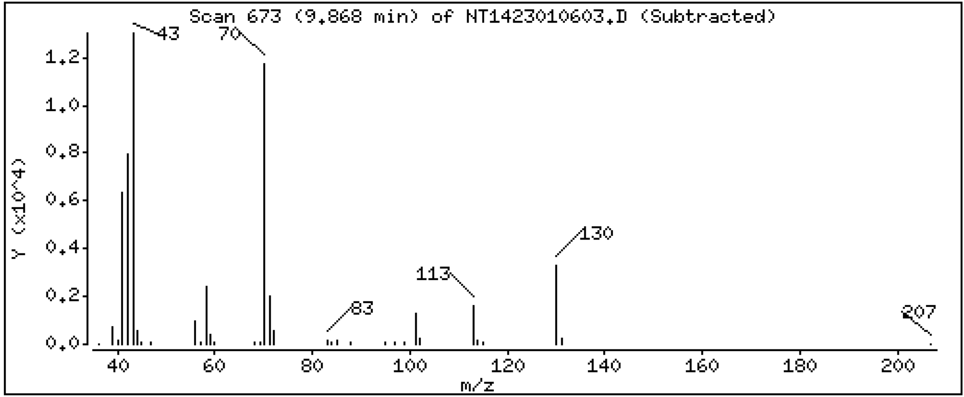
Column diameter: 0.25

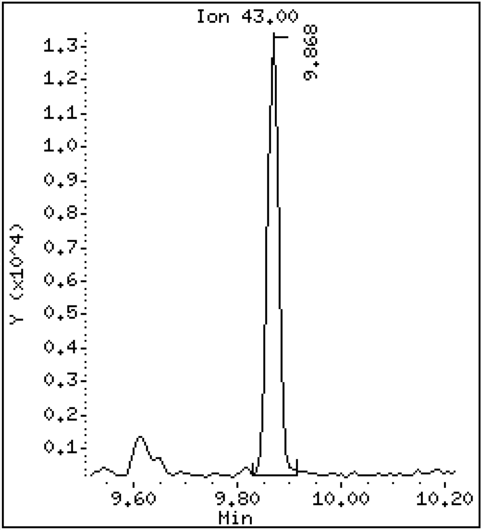
16 N-Nitroso-di-n-propylamine

Concentration: 0.5254 ug/mL


Scan 673 (9.868 min) of NT1423010603.D


Ion 70.00


Scan 673 (9.868 min) of NT1423010603.D (Subtracted)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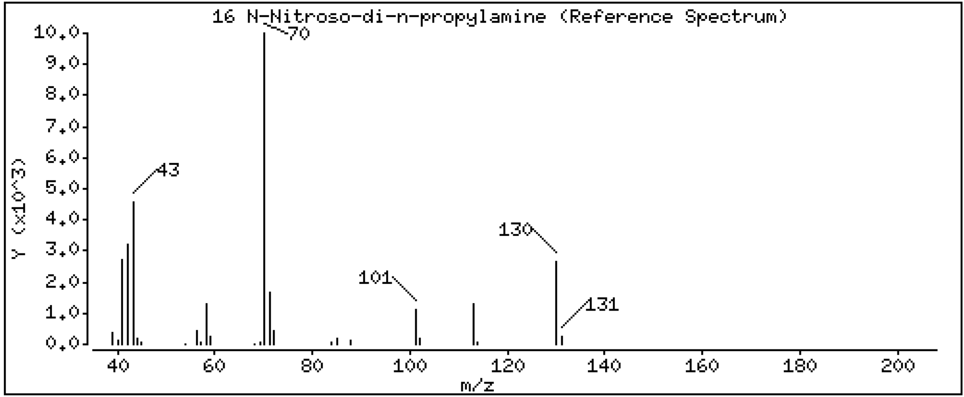
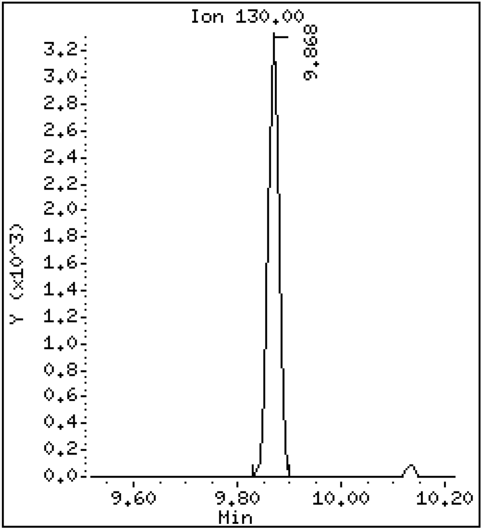
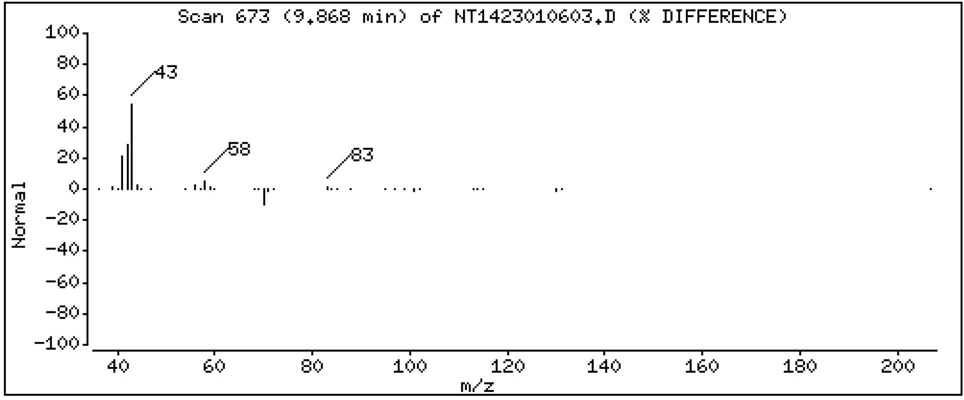

16 N-Nitroso-di-n-propylamine (Reference Spectrum)


Ion 130.00


Scan 673 (9.868 min) of NT1423010603.D (% DIFFERENCE)

Date : 06-JAN-2023 12:48

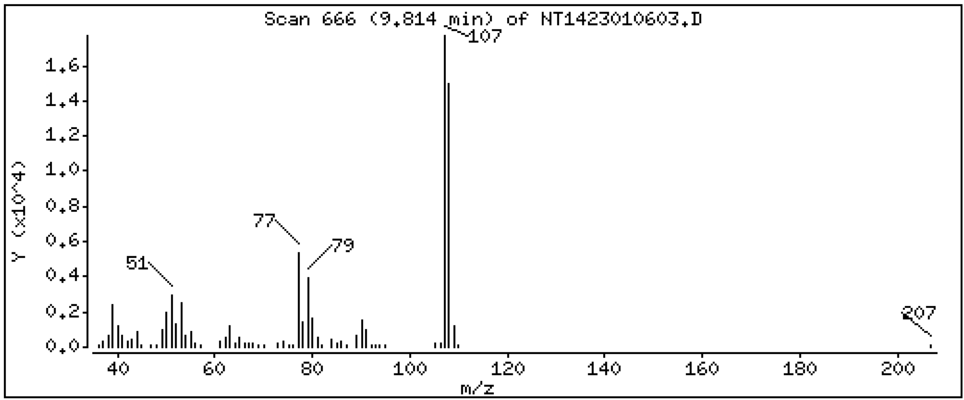
Client ID: Instrument: nt14.i

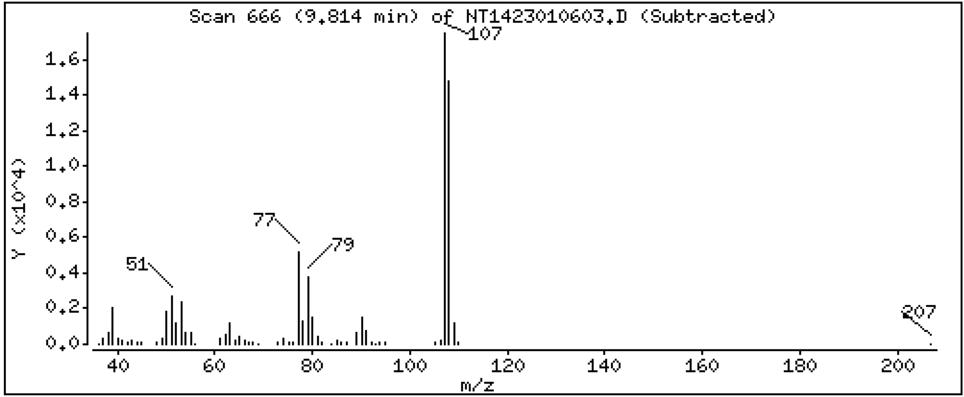
Sample Info: SLA0068-LCV1

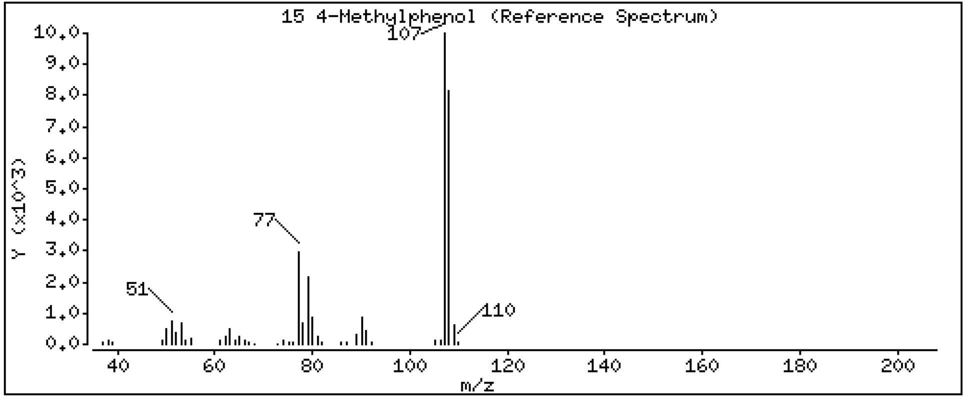
Operator: VTS

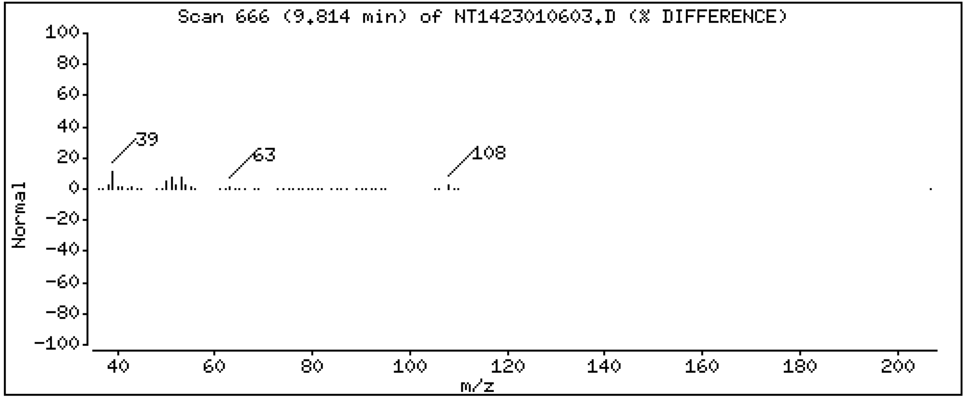
Column phase: ZB-5msi Column diameter: 0.25

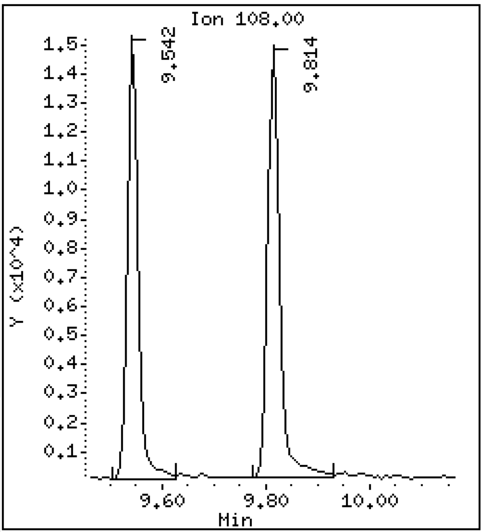
15 4-Methylphenol Concentration: 0.4019 ug/mL


Scan 666 (9.814 min) of NT1423010603.D


Scan 666 (9.814 min) of NT1423010603.D (Subtracted)


15 4-Methylphenol (Reference Spectrum)


Scan 666 (9.814 min) of NT1423010603.D (% DIFFERENCE)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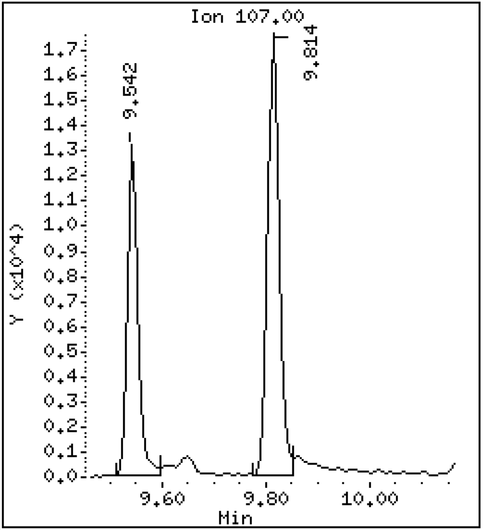
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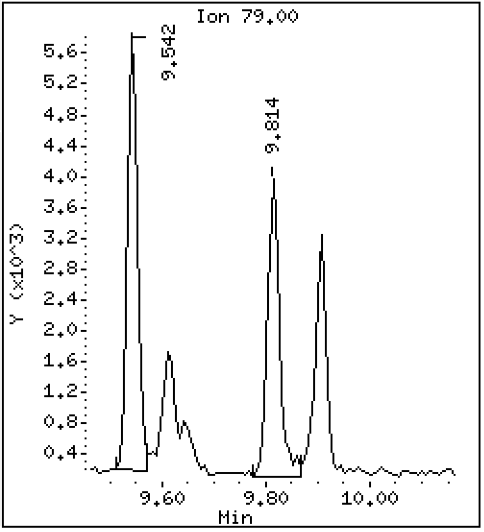

Ion 79.00

Data File: \\target\share\chem3\nt14.i\20230106.b\NT1423010603.D

Date : 06-JAN-2023 12:48

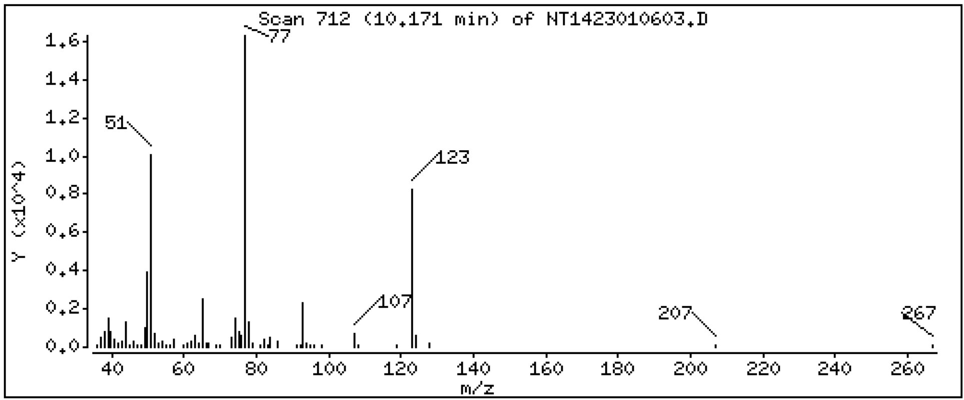
Client ID: Instrument: nt14.i

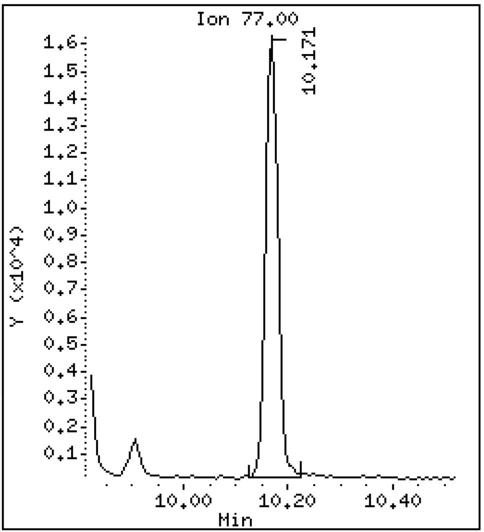
Sample Info: SLA0068-LCV1

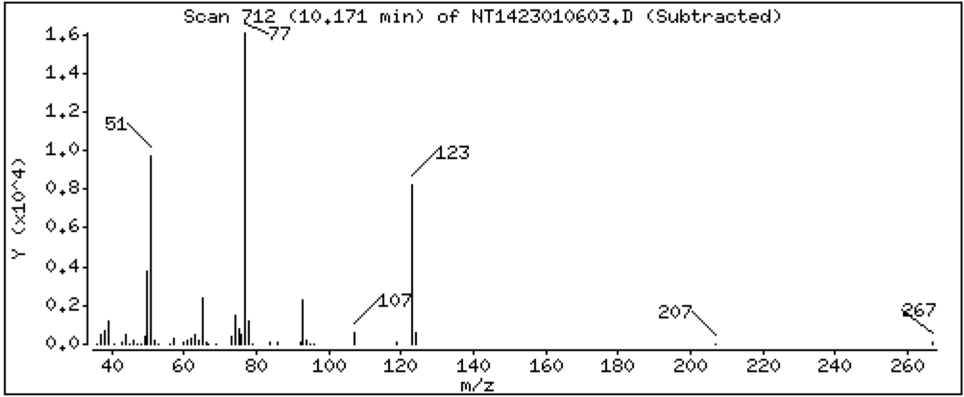
Operator: VTS

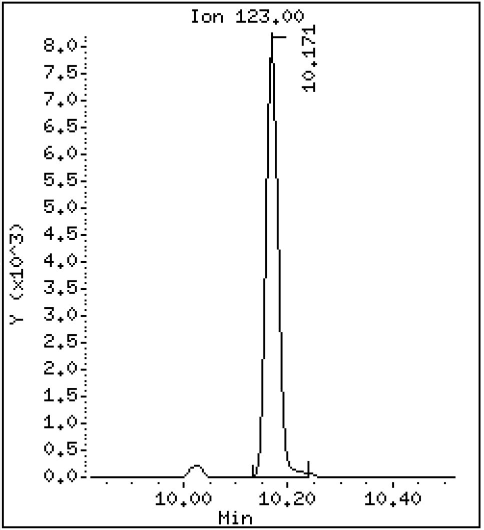
Column phase: ZB-5msi Column diameter: 0.25

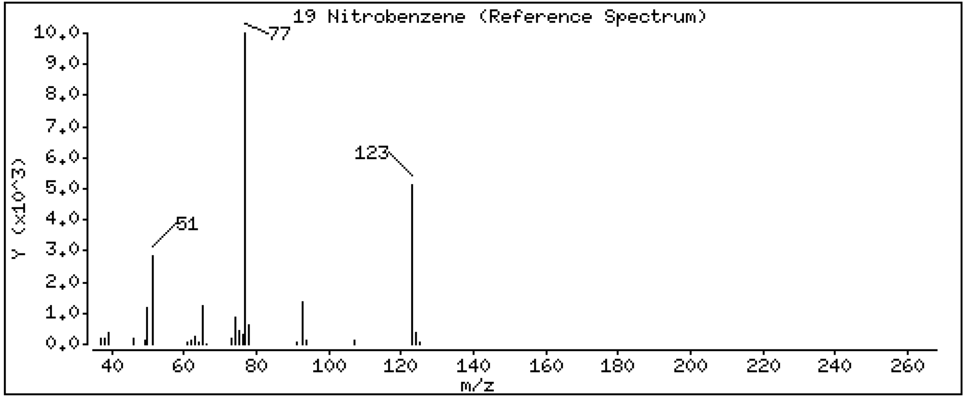
19 Nitrobenzene Concentration: 0.4876 ug/mL

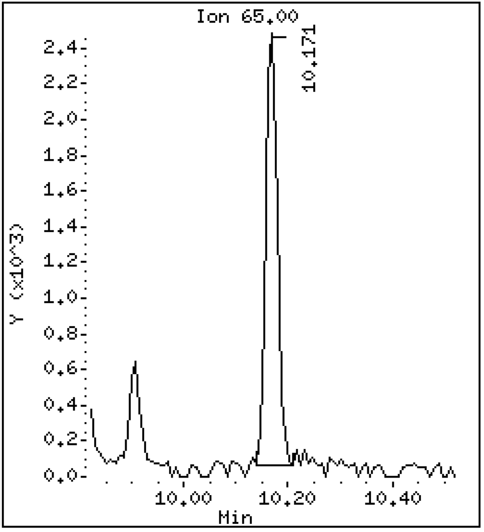


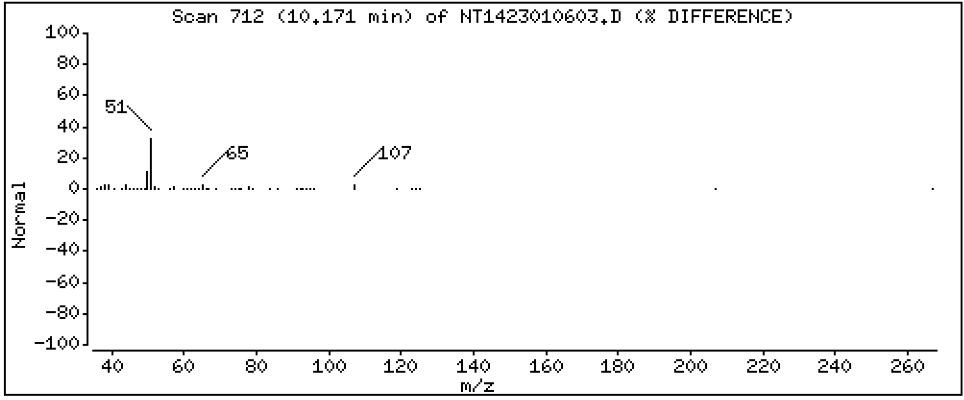












Data File: \\target\share\chem3\nt14.i\20230106.b\NT1423010603.D

Date : 06-JAN-2023 12:48

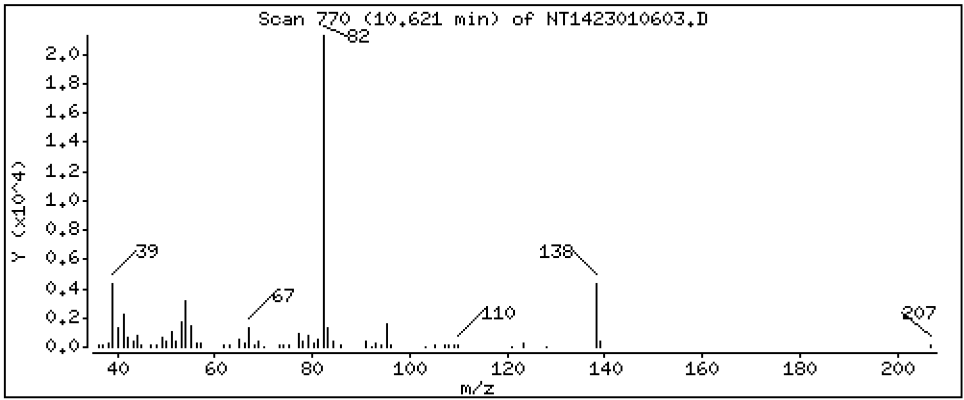
Client ID: Instrument: nt14.i

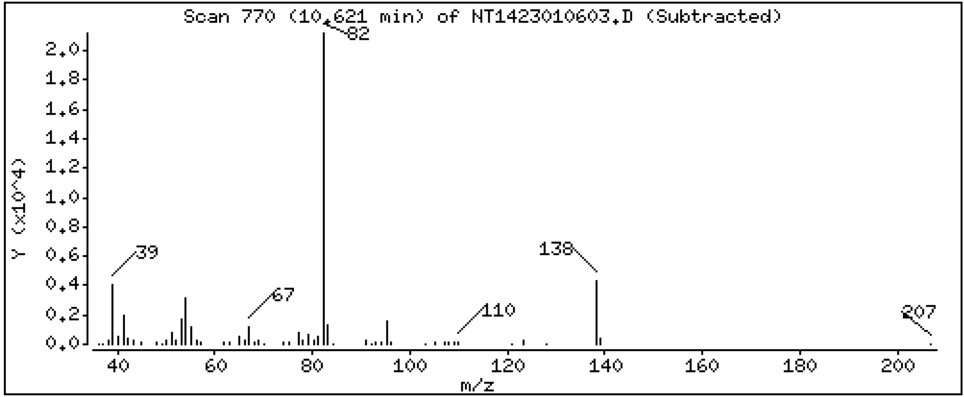
Sample Info: SLA0068-LCV1

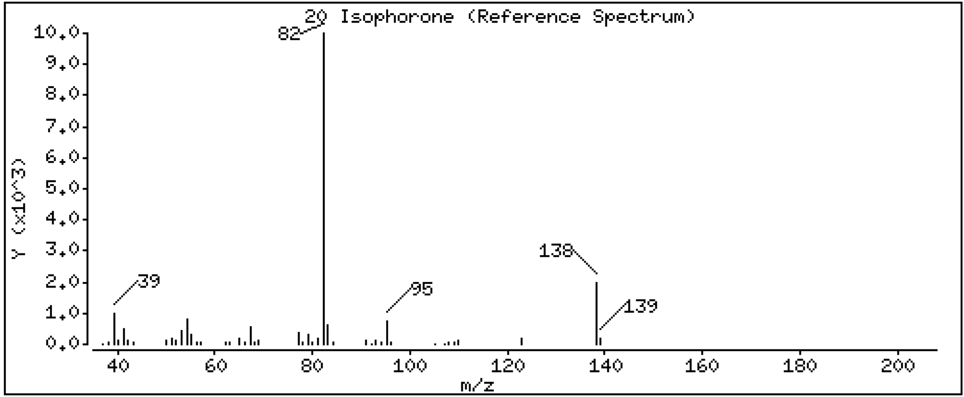
Operator: VTS

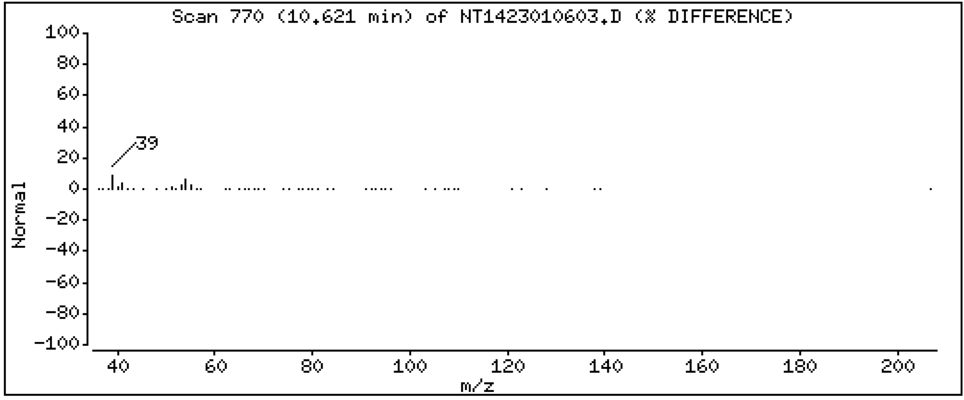
Column phase: ZB-5msi Column diameter: 0.25

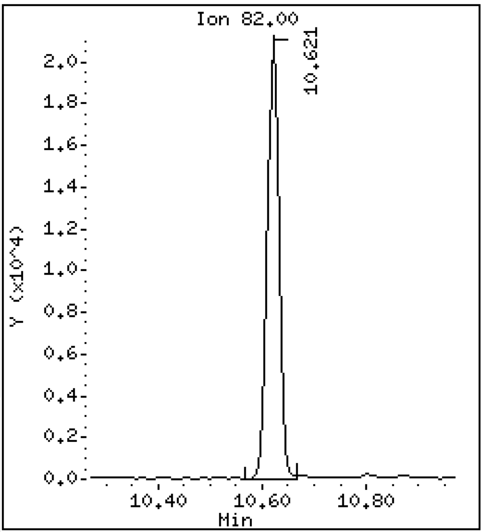
20 Isophorone Concentration: 0.4725 ug/mL

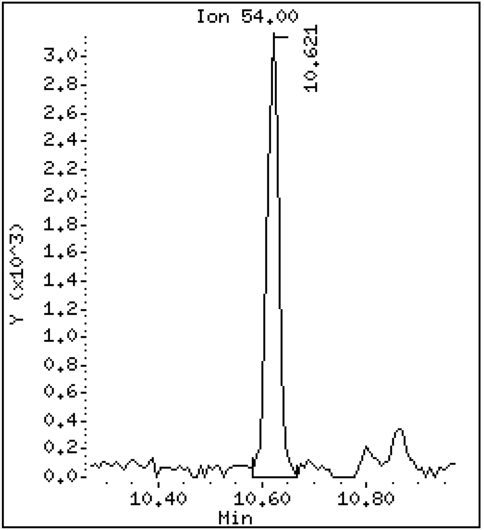

Scan 770 (10.621 min) of NT1423010603.D

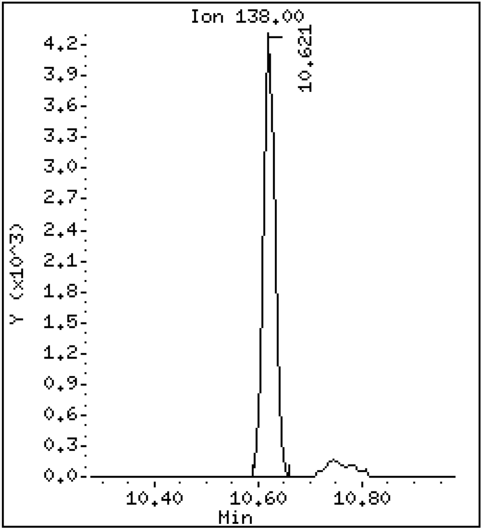

Scan 770 (10.621 min) of NT1423010603.D (Subtracted)


20 Isophorone (Reference Spectrum)


Scan 770 (10.621 min) of NT1423010603.D (% DIFFERENCE)


Ion 82.00


Ion 54.00


Ion 138.00

Data File: \\target\share\chem3\nt14.i\20230106.b\NT1423010603.D

Date : 06-JAN-2023 12:48

Client ID:

Instrument: nt14.i

Sample Info: SLA0068-LCV1

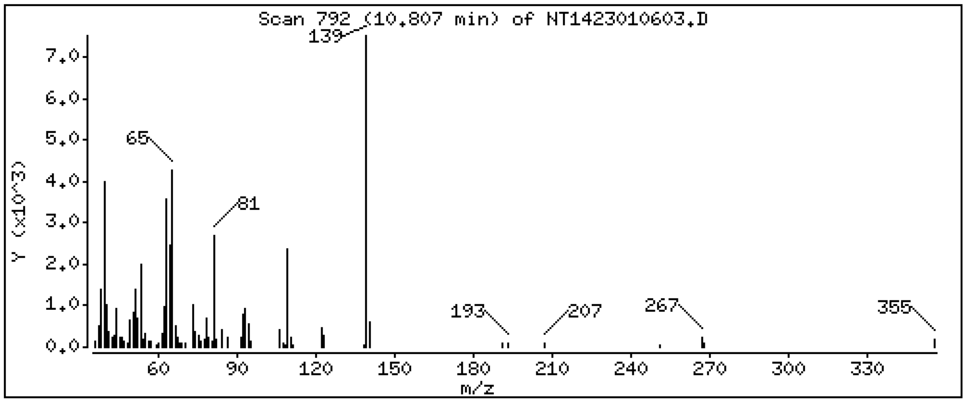
Operator: VTS

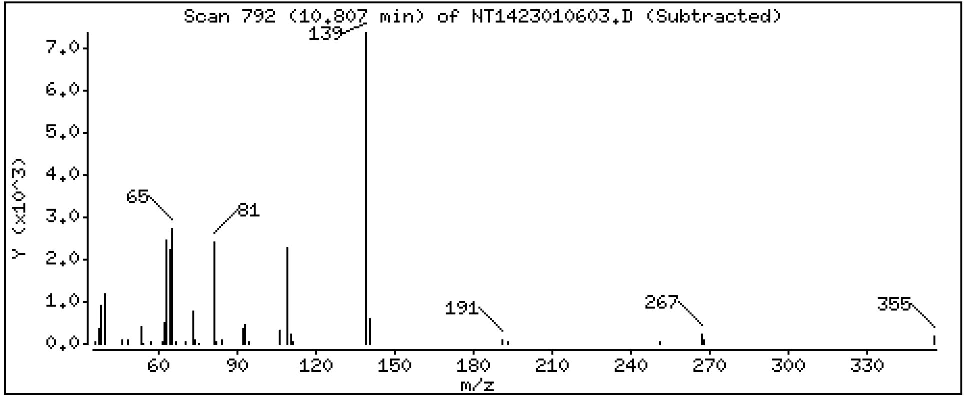
Column phase: ZB-5msi

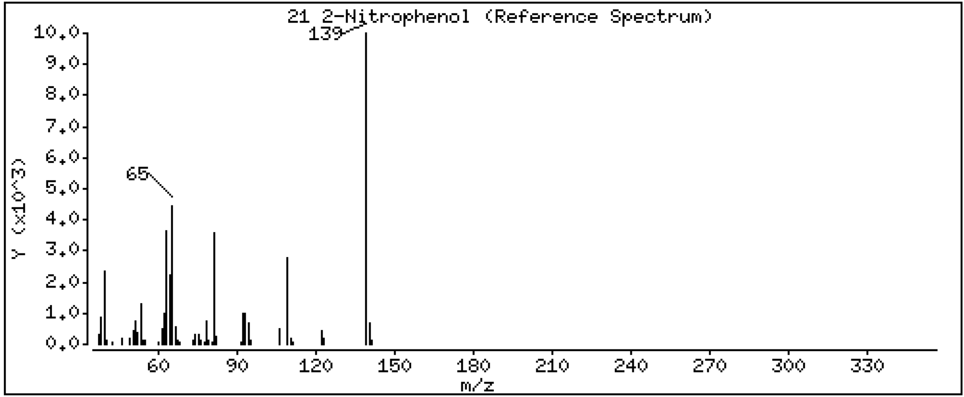
Column diameter: 0.25

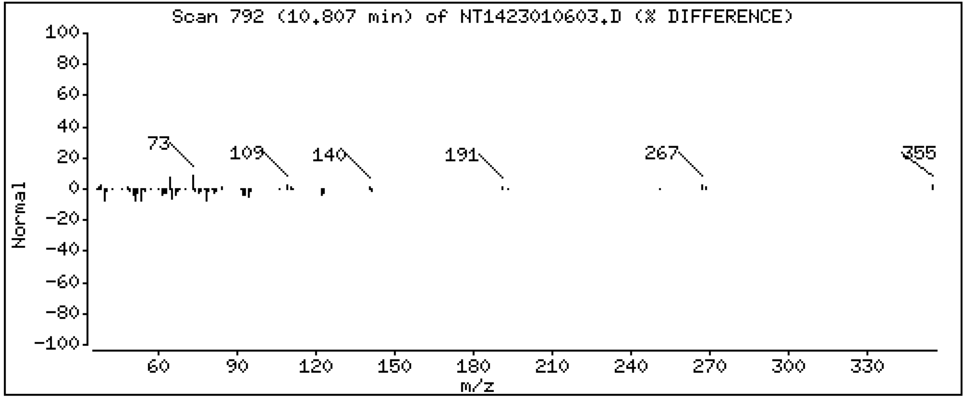
21 2-Nitrophenol

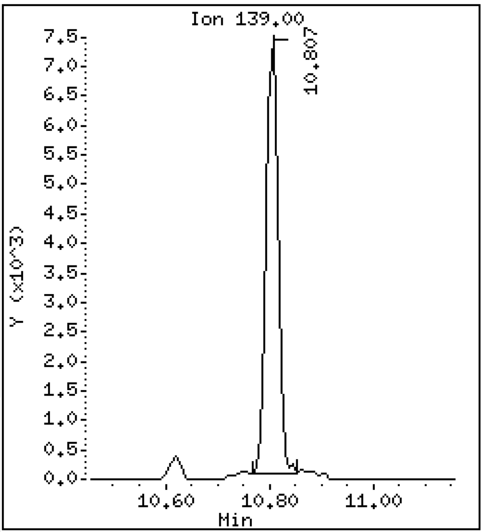
Concentration: 0.3523 ug/mL

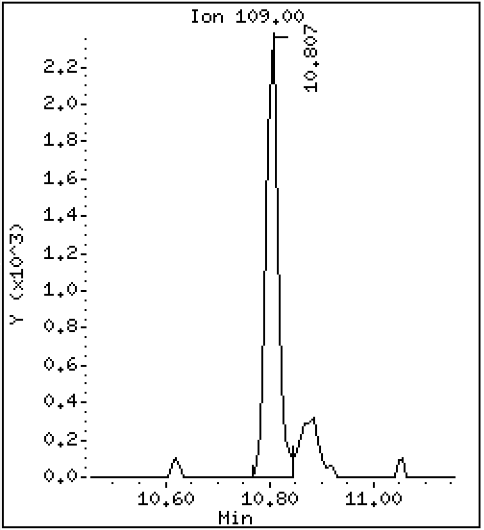


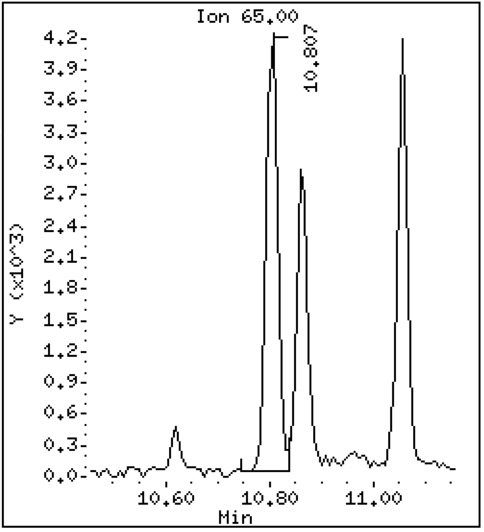












Data File: \\target\share\chem3\nt14.i\20230106.b\NT1423010603.D

Date : 06-JAN-2023 12:48

Client ID:

Instrument: nt14.i

Sample Info: SLA0068-LCV1

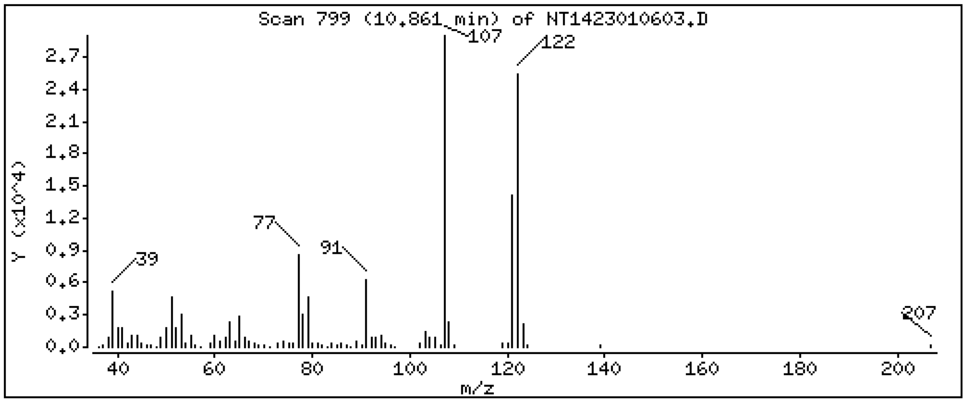
Operator: VTS

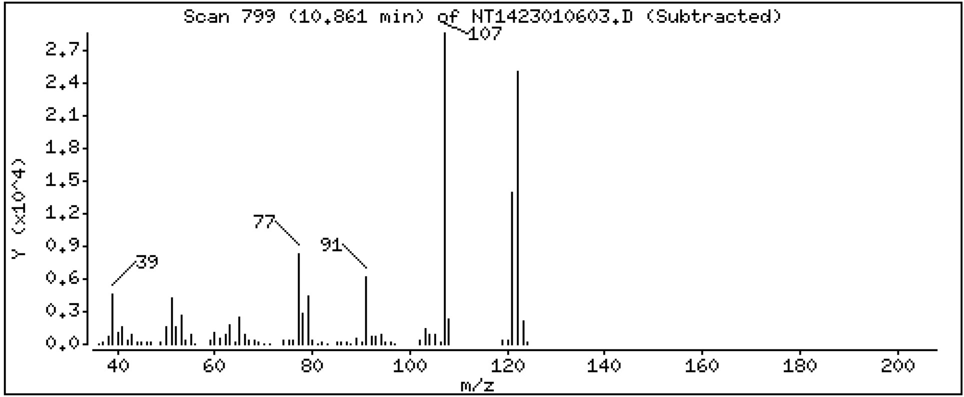
Column phase: ZB-5msi

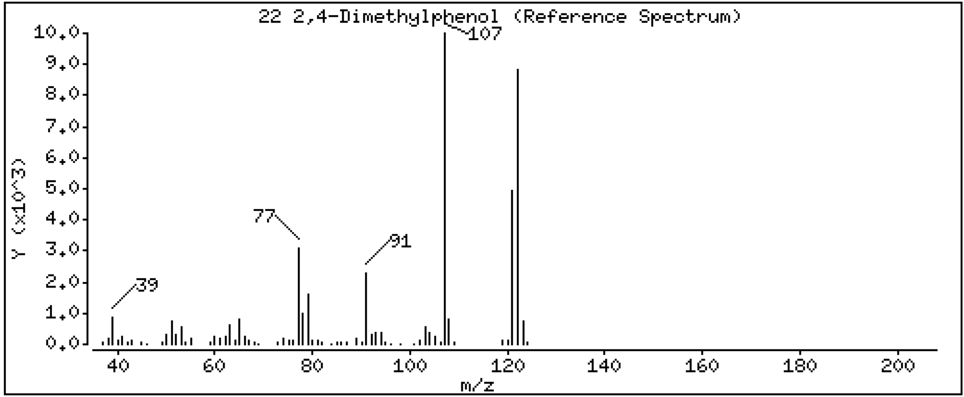
Column diameter: 0.25

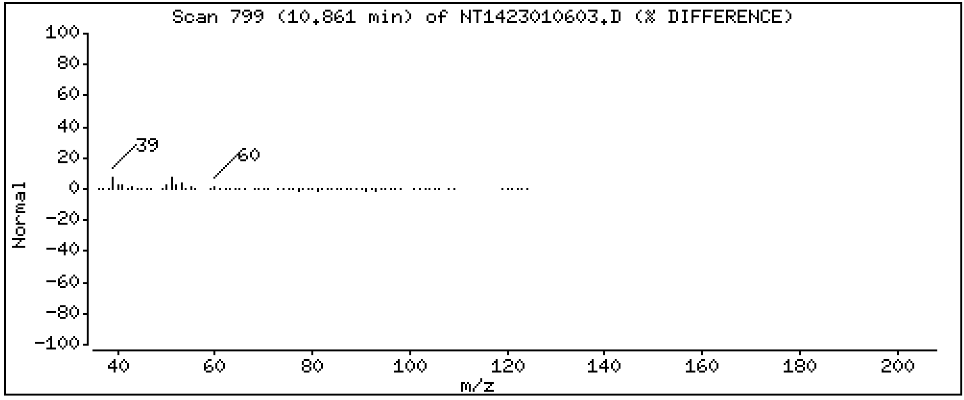
22 2,4-Dimethylphenol

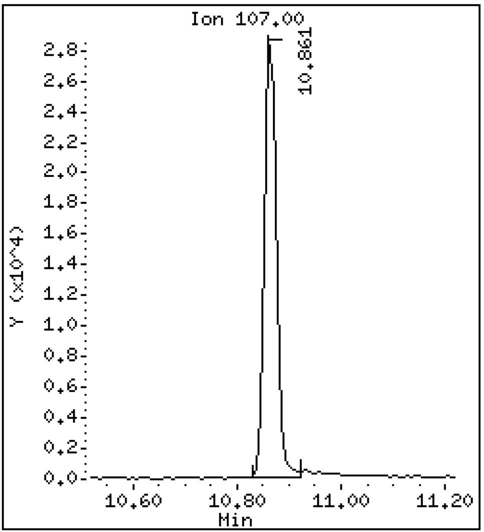
Concentration: 0.7958 ug/mL

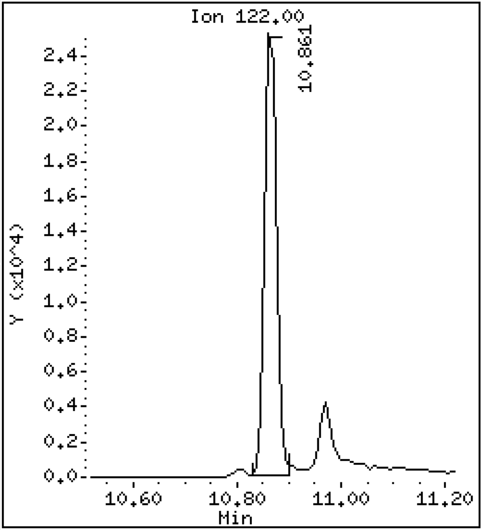

Scan 799 (10.861 min) of NT1423010603.D

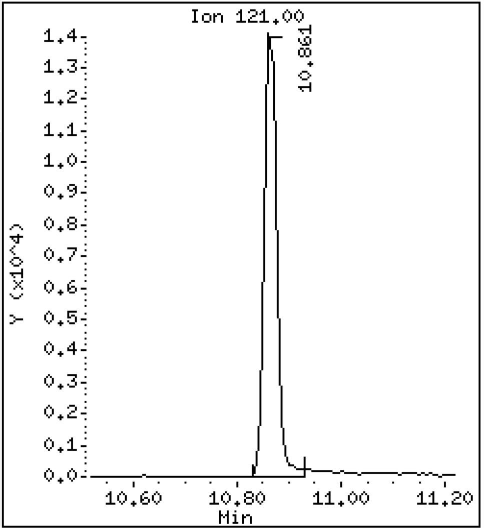

Scan 799 (10.861 min) of NT1423010603.D (Subtracted)


22 2,4-Dimethylphenol (Reference Spectrum)


Scan 799 (10.861 min) of NT1423010603.D (% DIFFERENCE)


Ion 107.00


Ion 122.00


Ion 121.00

Data File: \\target\share\chem3\nt14.i\20230106.b\NT1423010603.D

Date : 06-JAN-2023 12:48

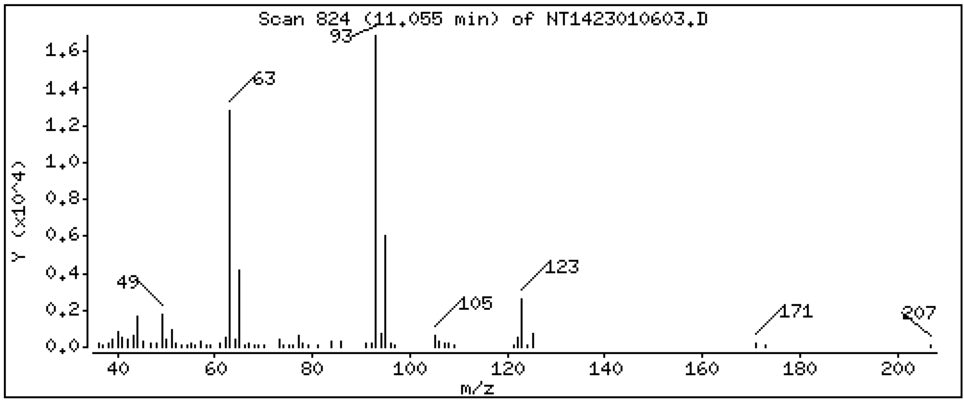
Client ID: Instrument: nt14.i

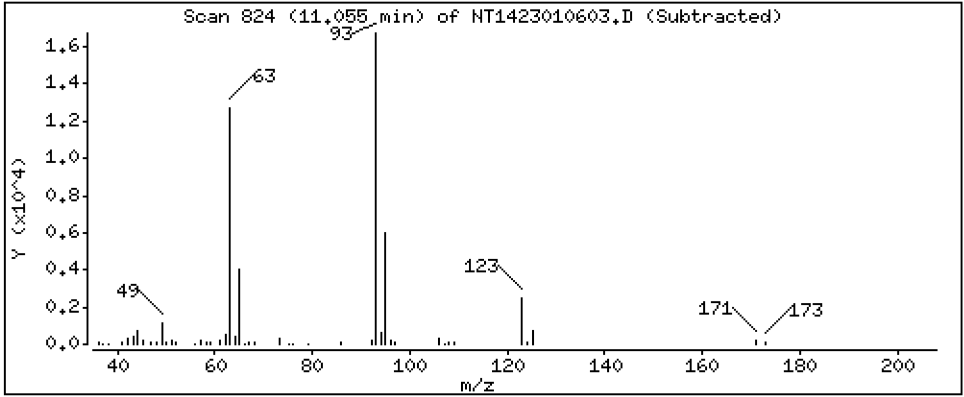
Sample Info: SLA0068-LCV1

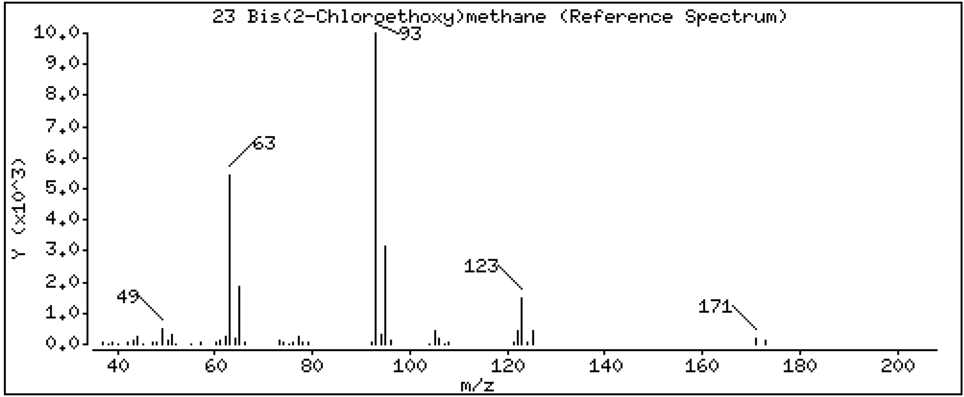
Operator: VTS

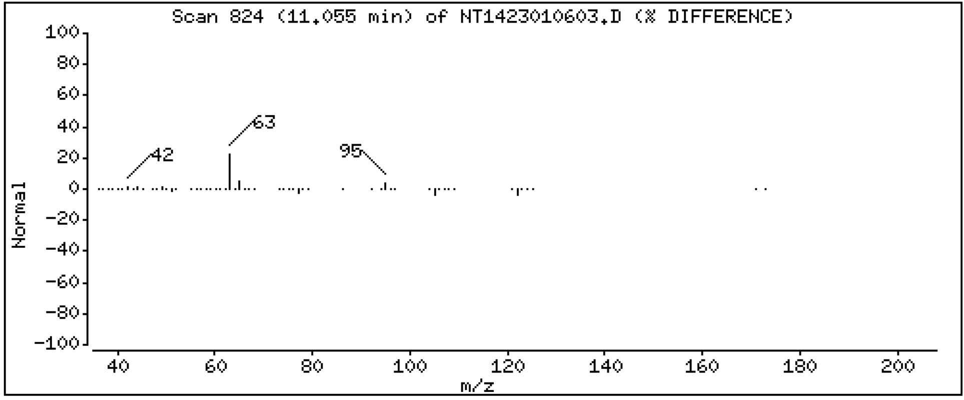
Column phase: ZB-5msi Column diameter: 0.25

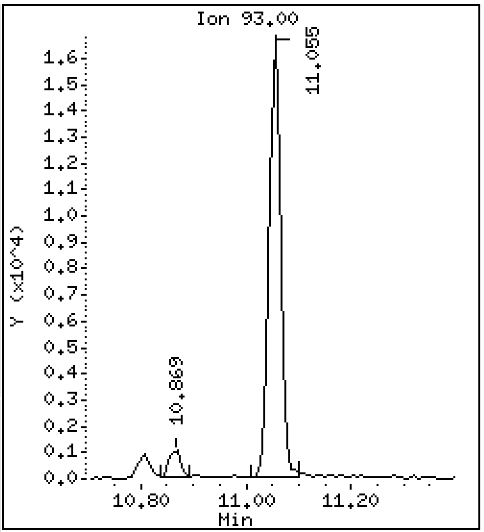
23 Bis(2-Chloroethoxy)methane Concentration: 0.4713 ug/mL

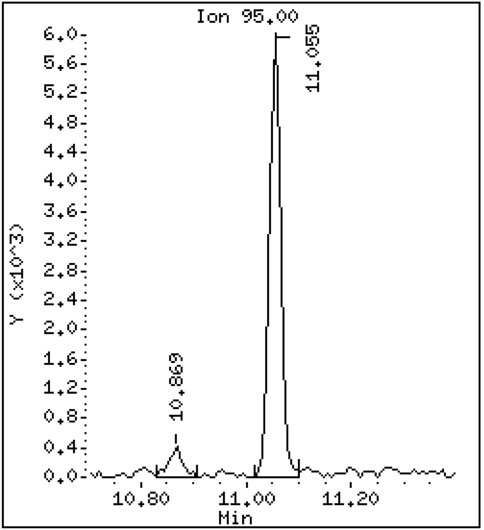


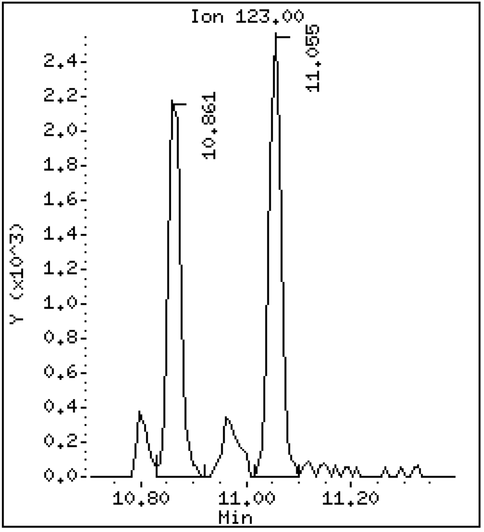












Data File: \\target\share\chem3\nt14.i\20230106.b\NT1423010603.D

Date : 06-JAN-2023 12:48

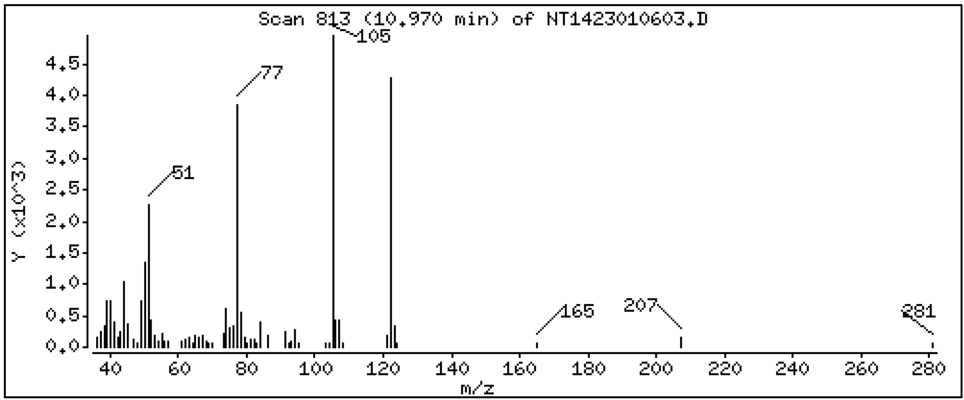
Client ID: Instrument: nt14.i

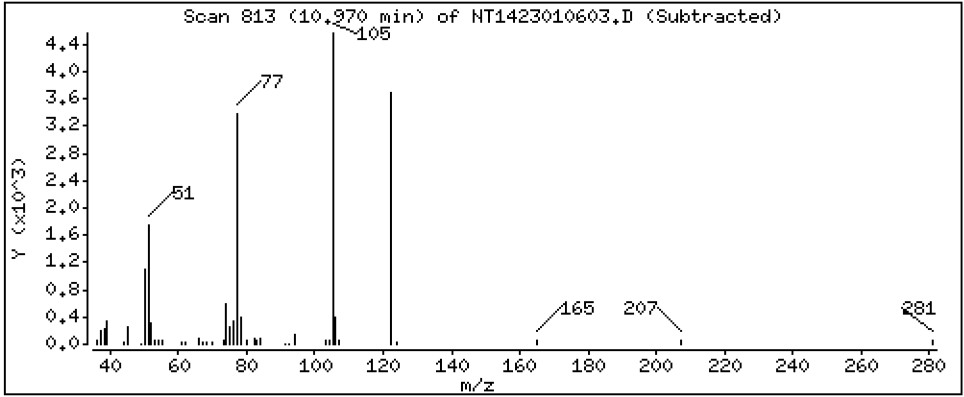
Sample Info: SLA0068-LCV1

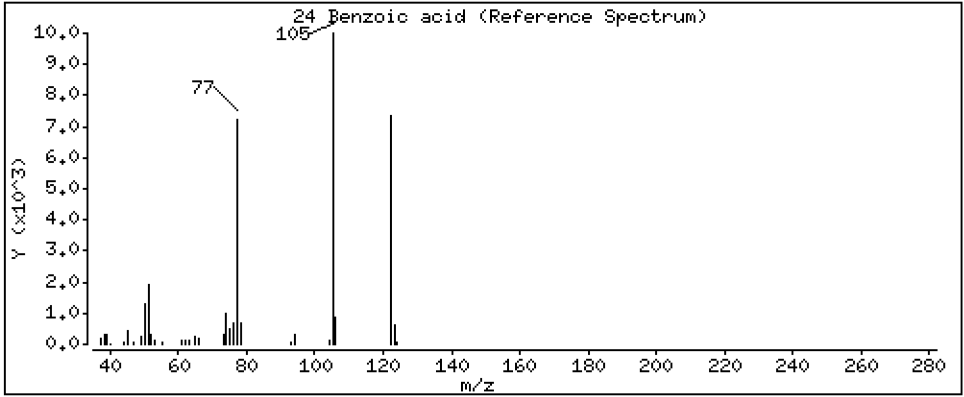
Operator: VTS

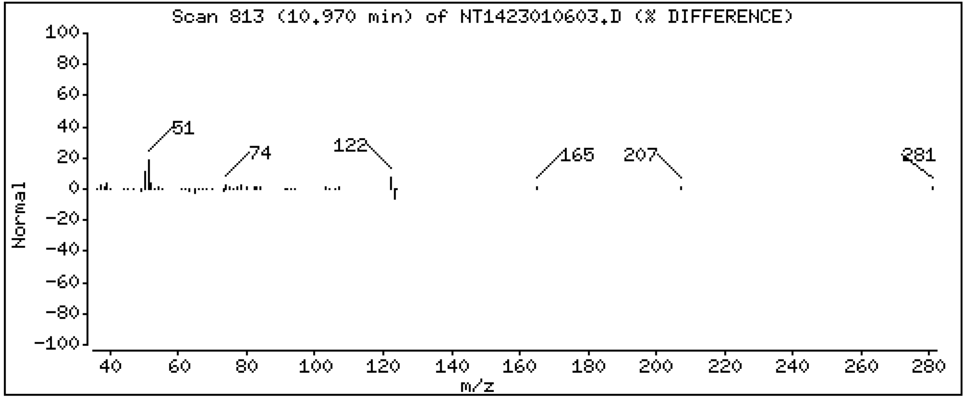
Column phase: ZB-5msi Column diameter: 0.25

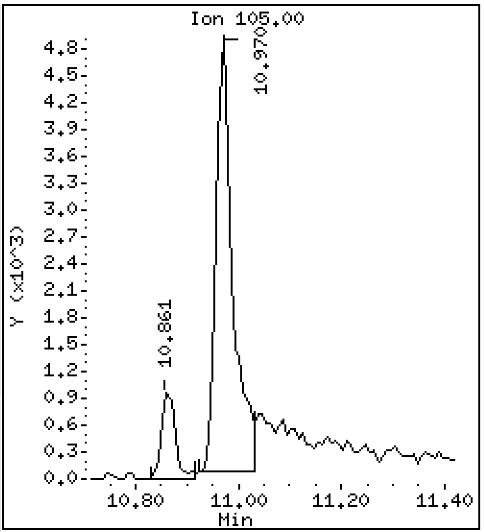
24 Benzoic acid Concentration: 0.3198 ug/mL

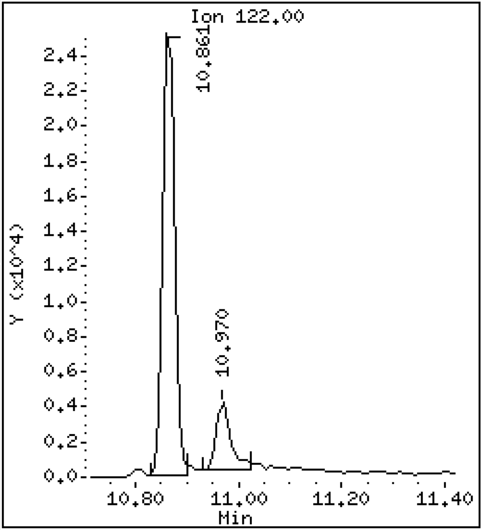


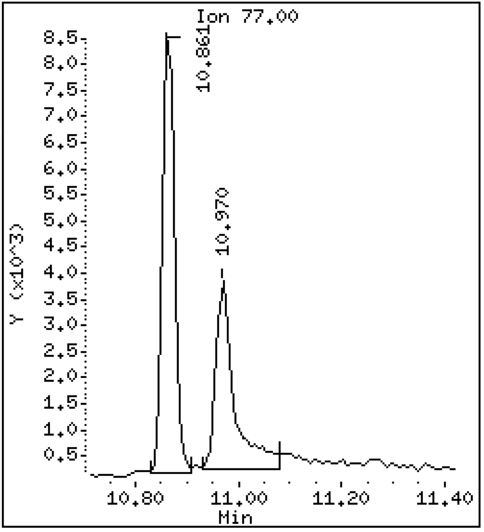












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Date : 06-JAN-2023 12:48

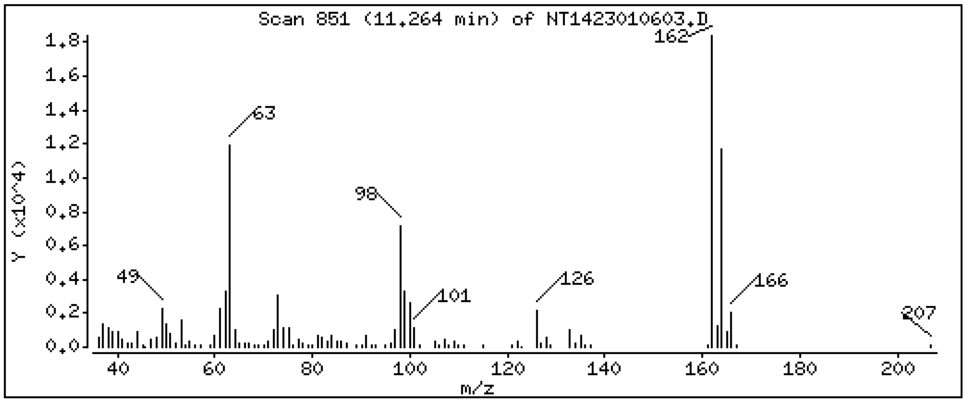
Client ID: Instrument: nt14.i

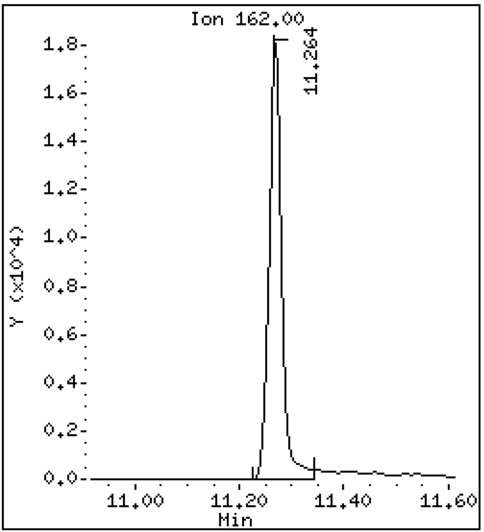
Sample Info: SLA0068-LCV1

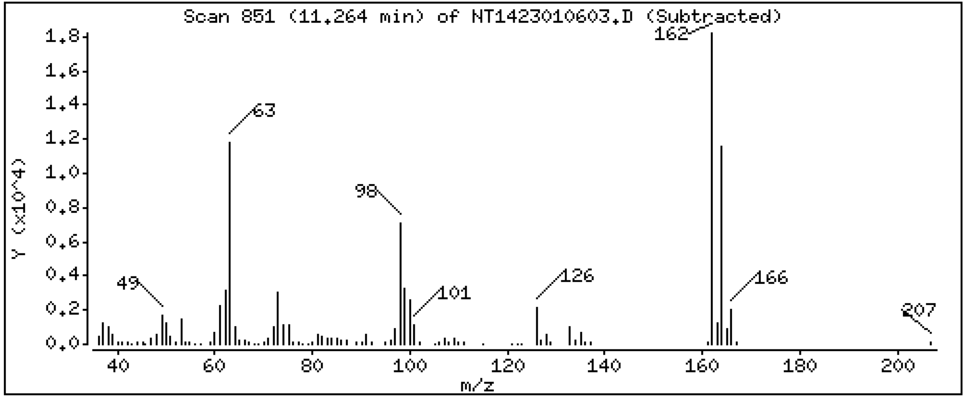
Operator: VTS

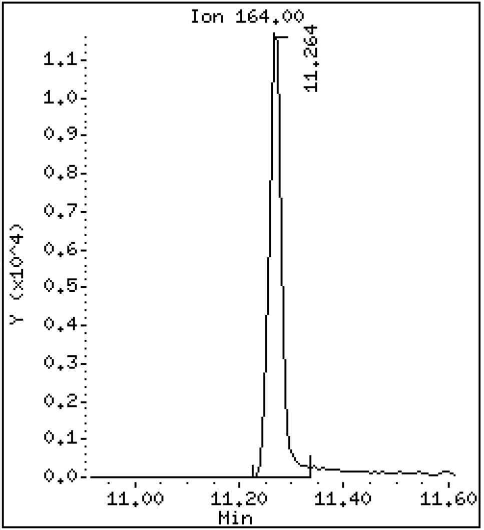
Column phase: ZB-5msi Column diameter: 0.25

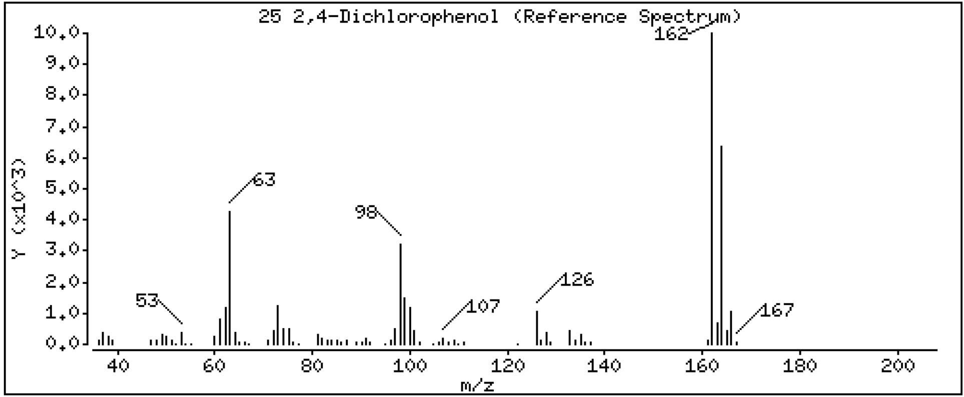
25 2,4-Dichlorophenol Concentration: 0.6742 ug/mL

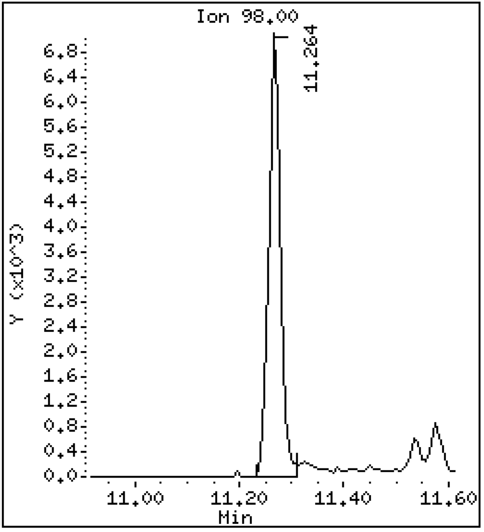


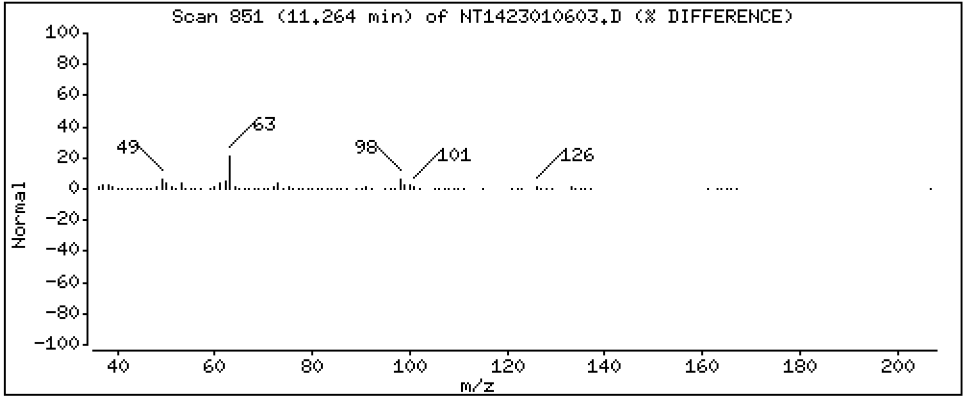












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Date : 06-JAN-2023 12:48

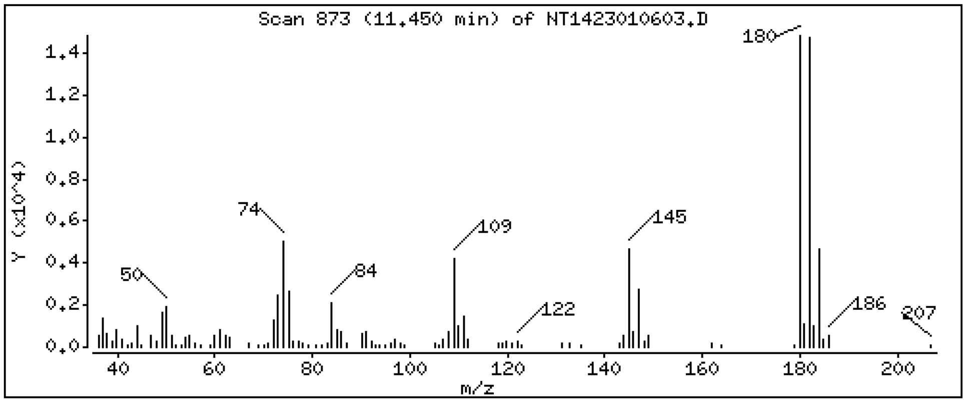
Client ID: Instrument: nt14.i

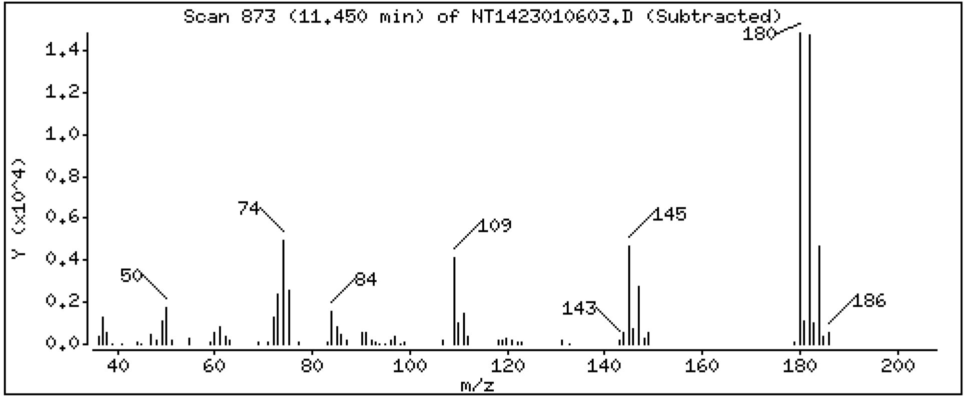
Sample Info: SLA0068-LCV1

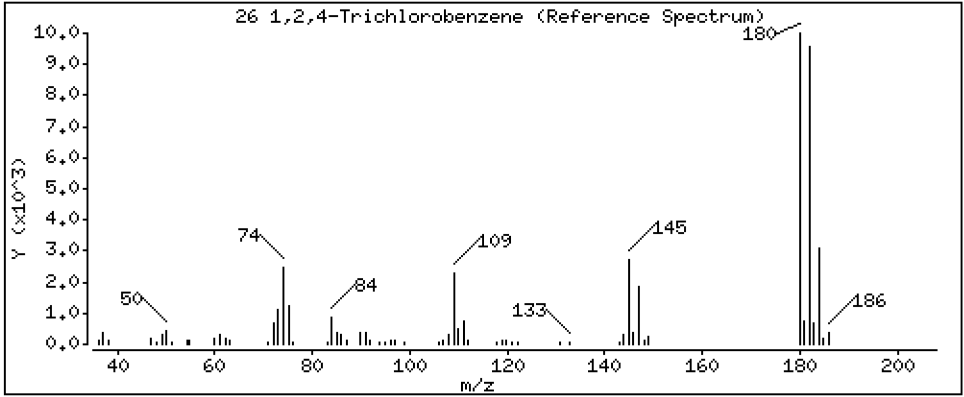
Operator: VTS

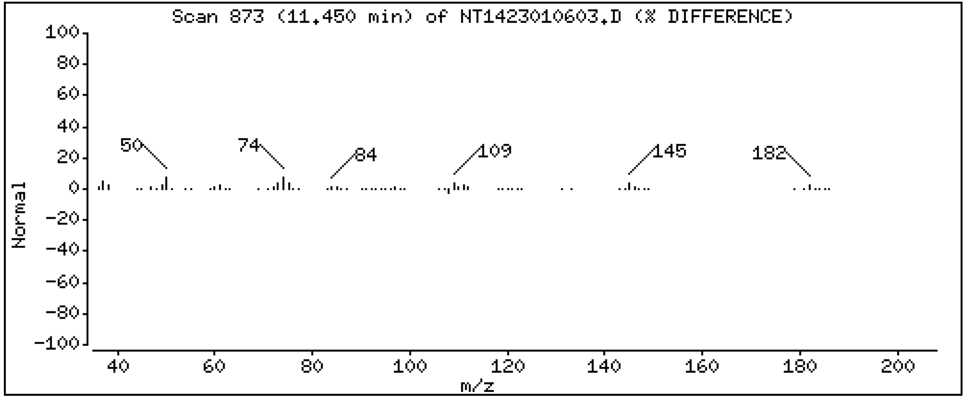
Column phase: ZB-5msi Column diameter: 0.25

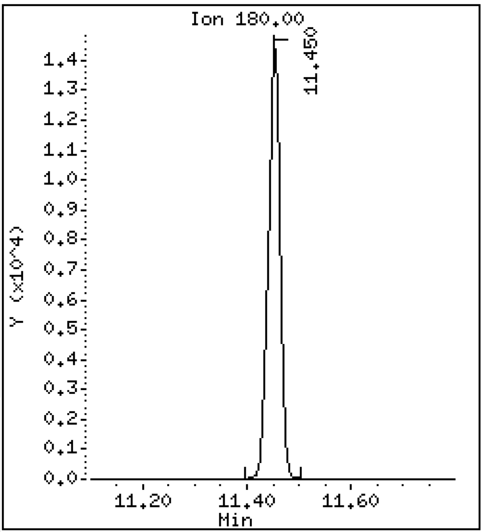
26 1,2,4-Trichlorobenzene Concentration: 0.5347 ug/mL

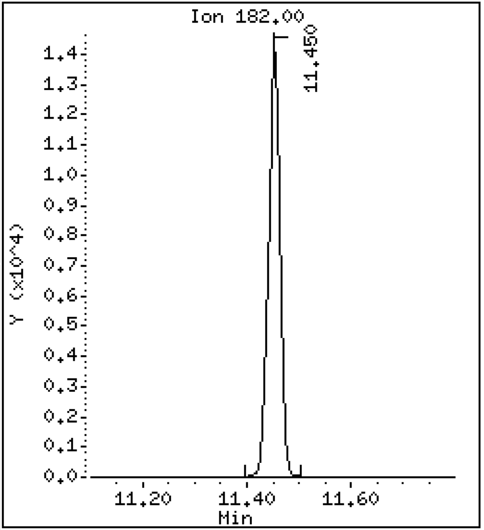


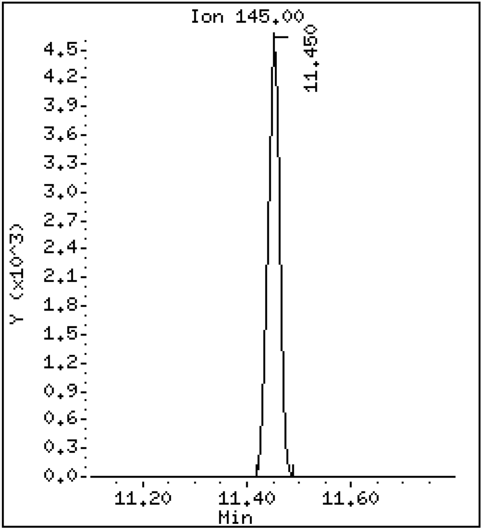












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Date : 06-JAN-2023 12:48

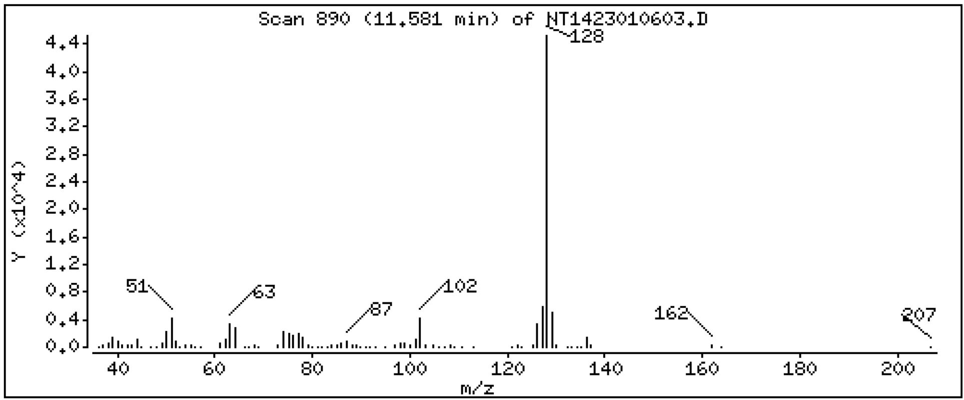
Client ID: Instrument: nt14.i

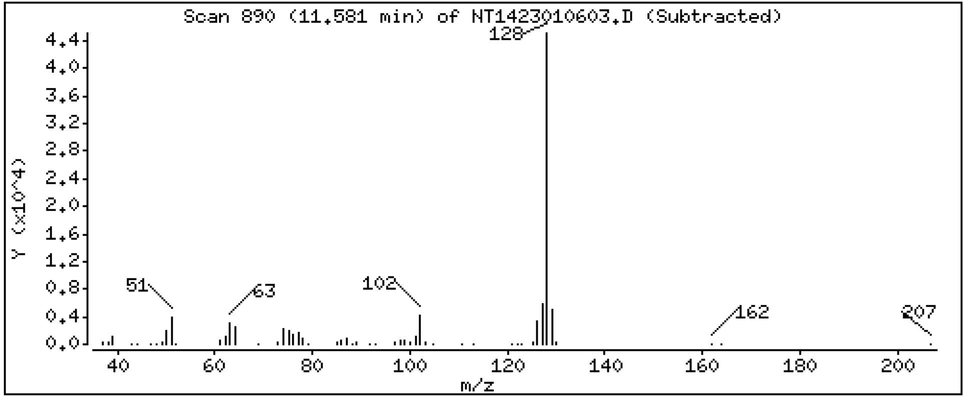
Sample Info: SLA0068-LCV1

Operator: VTS

Column phase: ZB-5msi Column diameter: 0.25

28 Naphthalene Concentration: 0.4609 ug/mL


Scan 890 (11.581 min) of NT1423010603.D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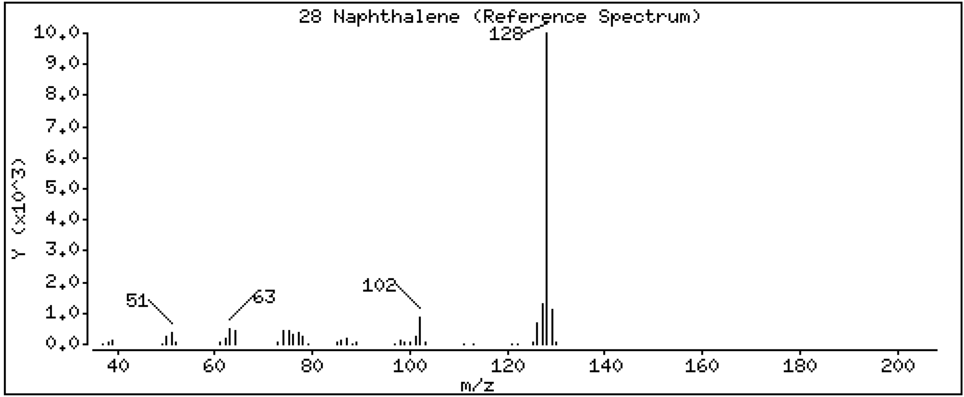
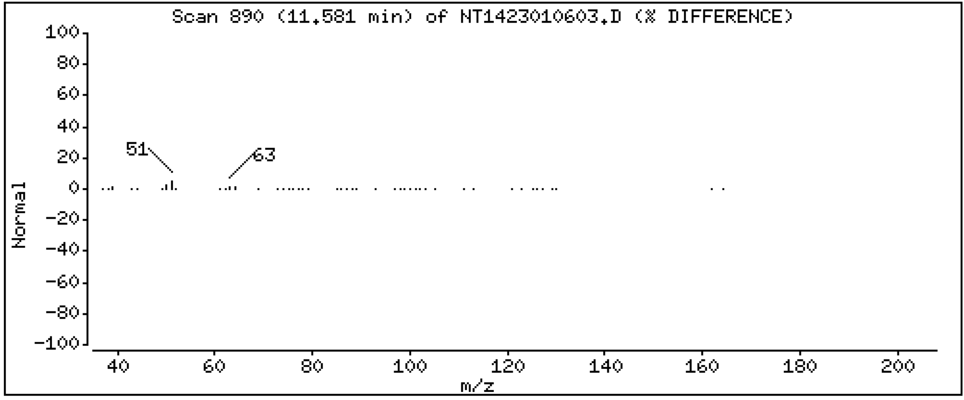

28 Naphthalene (Reference Spectrum)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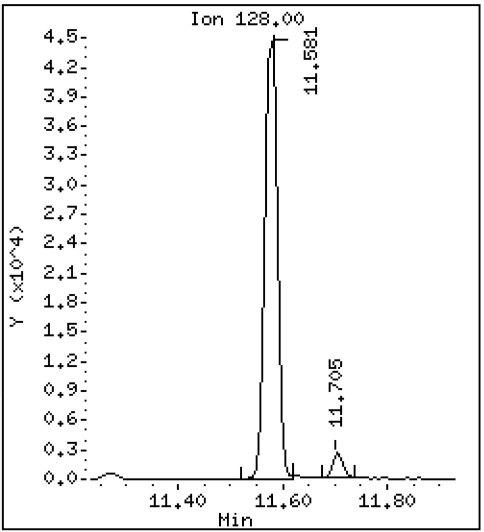
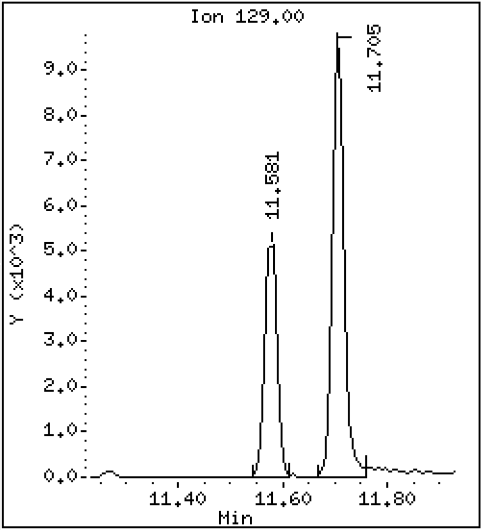

Ion 128.00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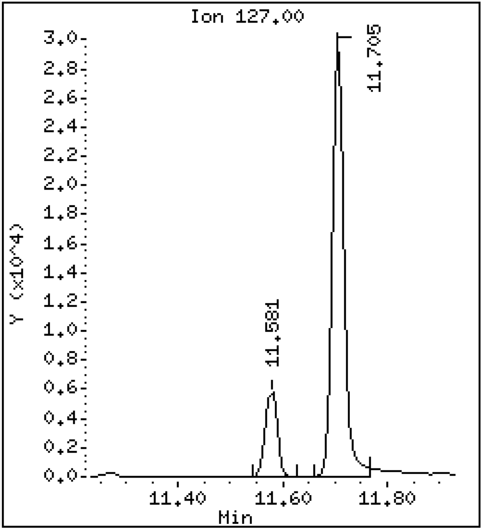
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Data File: \\target\share\chem3\nt14.i\20230106.b\NT1423010603.D

Date : 06-JAN-2023 12:48

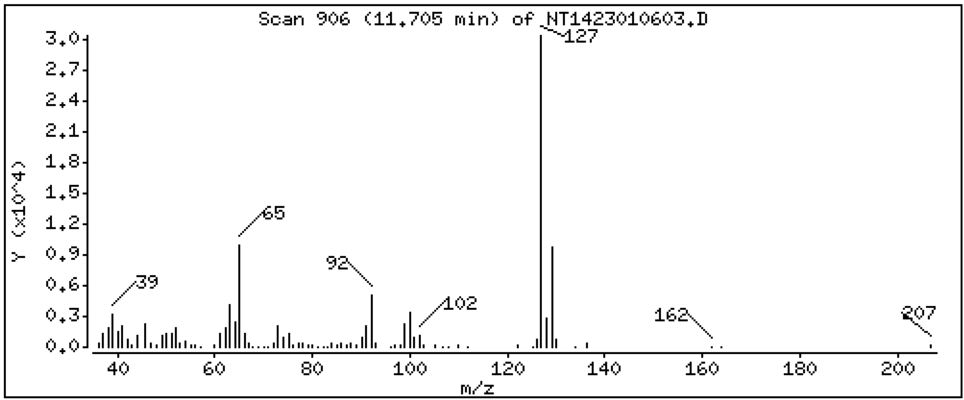
Client ID: Instrument: nt14.i

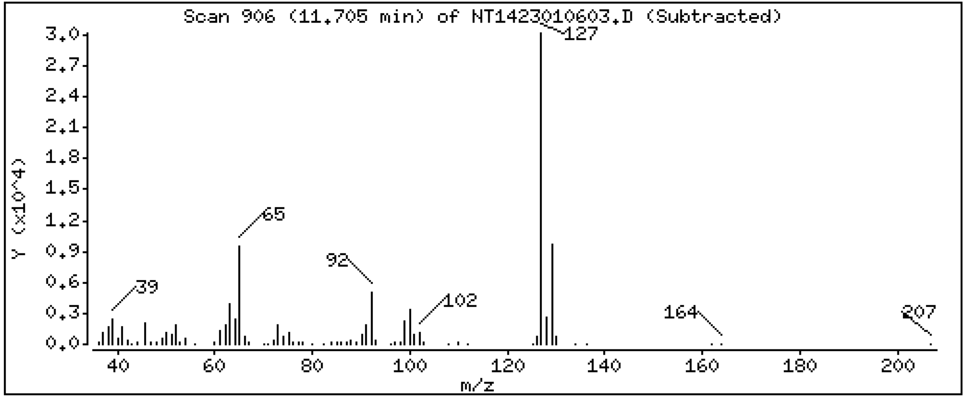
Sample Info: SLA0068-LCV1

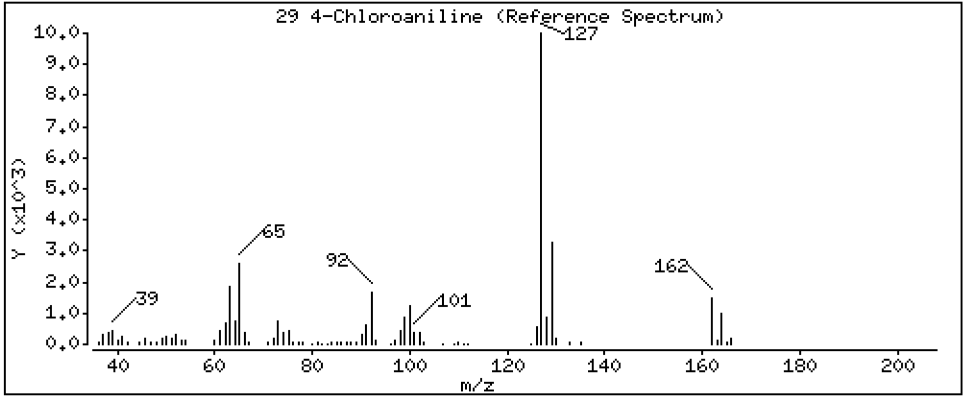
Operator: VTS

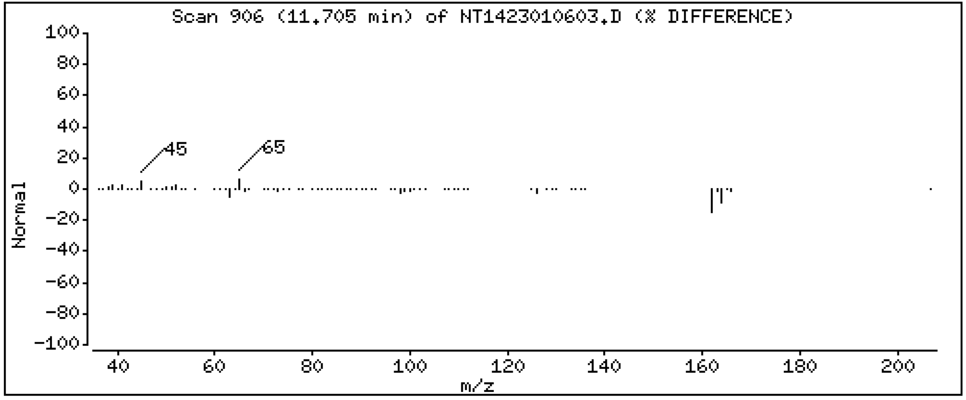
Column phase: ZB-5msi Column diameter: 0.25

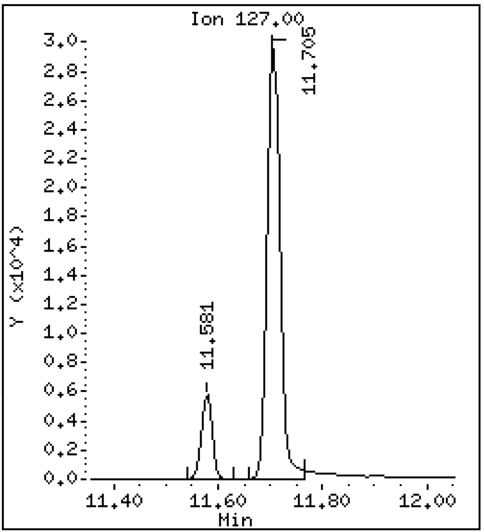
29 4-Chloroaniline Concentration: 0.7791 ug/mL

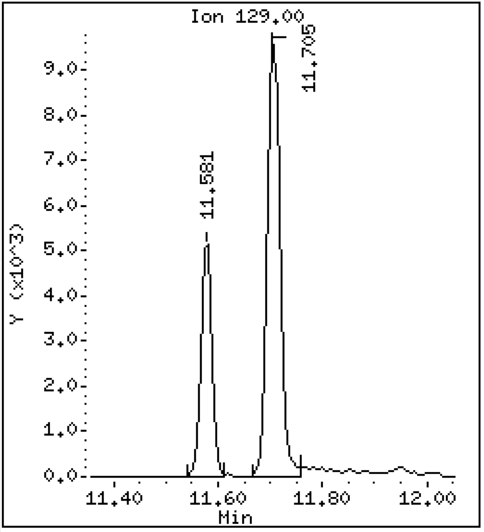












Date : 06-JAN-2023 12:48

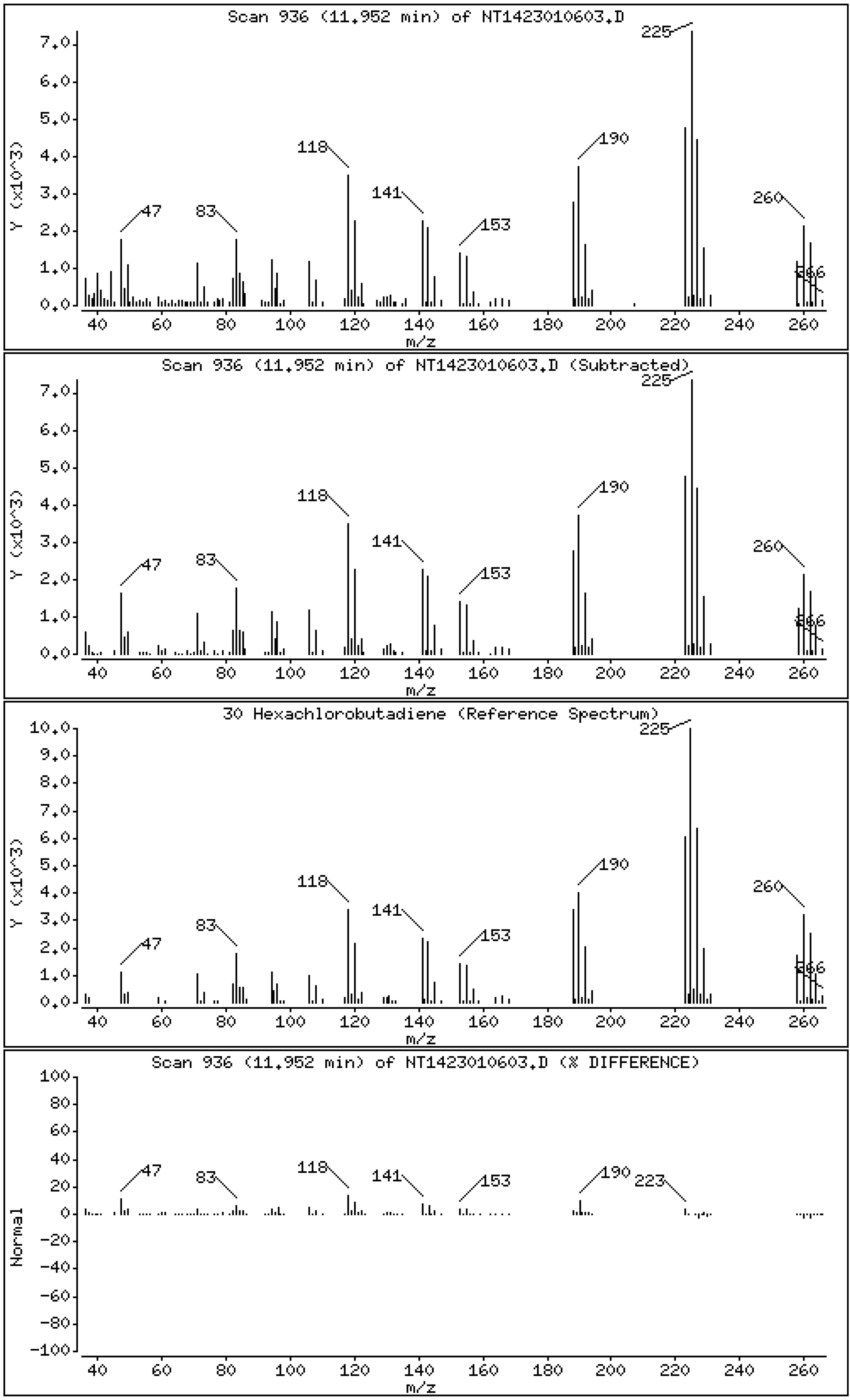
Client ID: Instrument: nt14.i

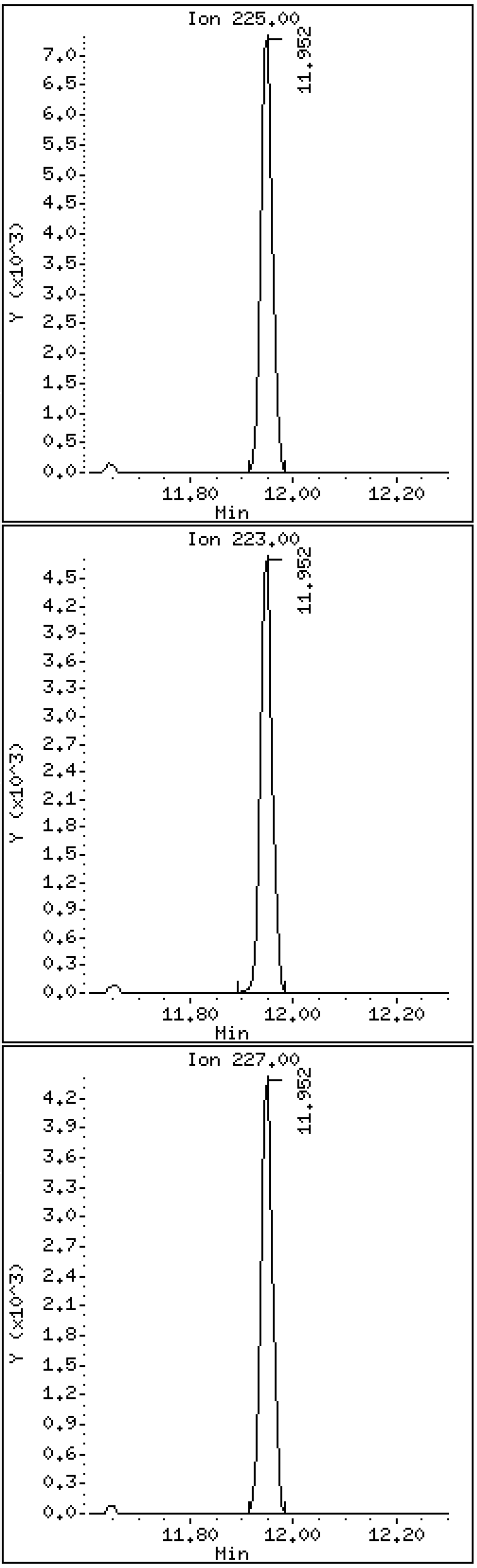
Sample Info: SLA0068-LCV1

Operator: VTS

Column phase: ZB-5msi Column diameter: 0.25

30 Hexachlorobutadiene Concentration: 0.4682 ug/mL





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Date : 06-JAN-2023 12:48

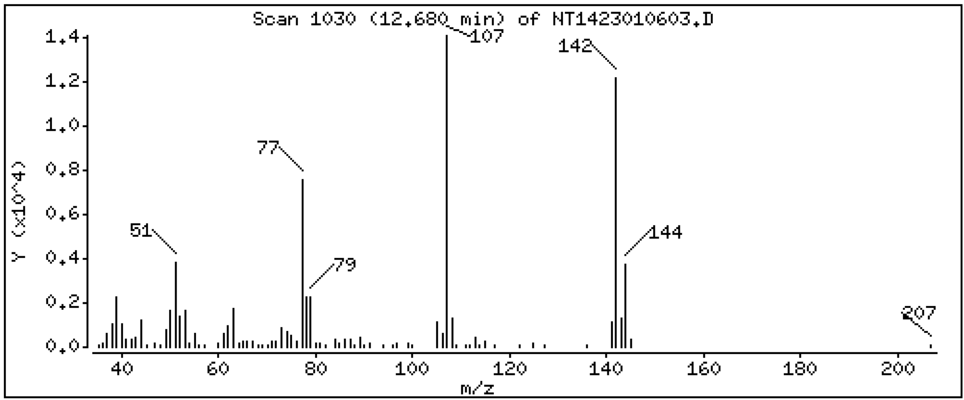
Client ID: Instrument: nt14.i

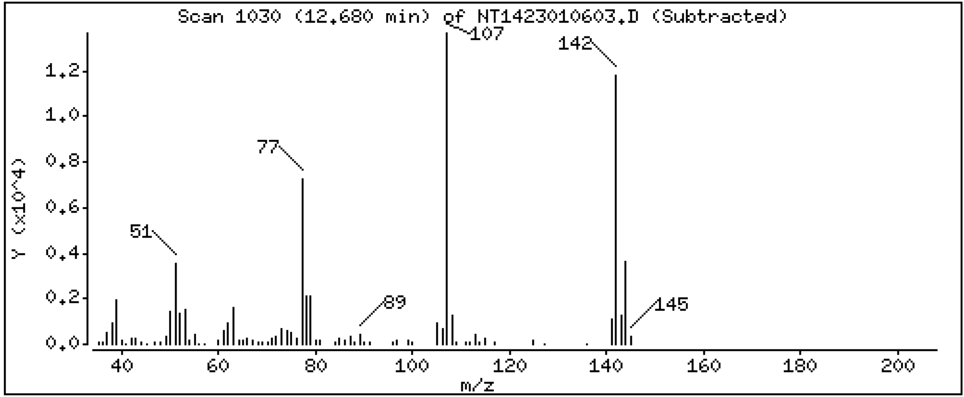
Sample Info: SLA0068-LCV1

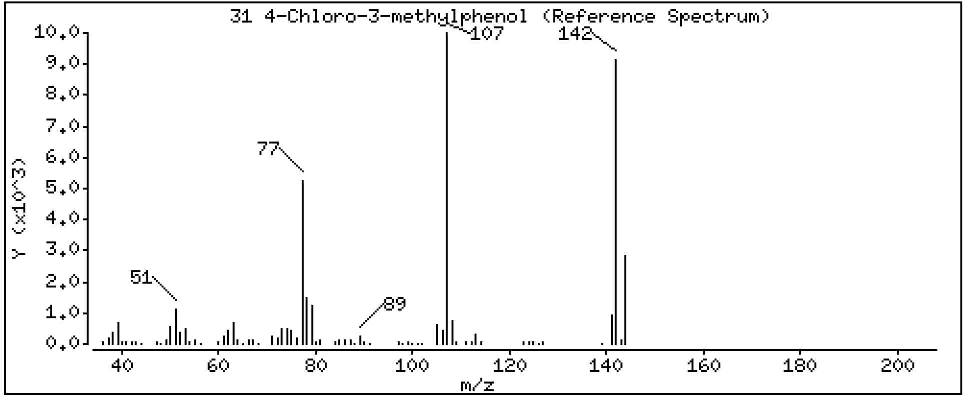
Operator: VTS

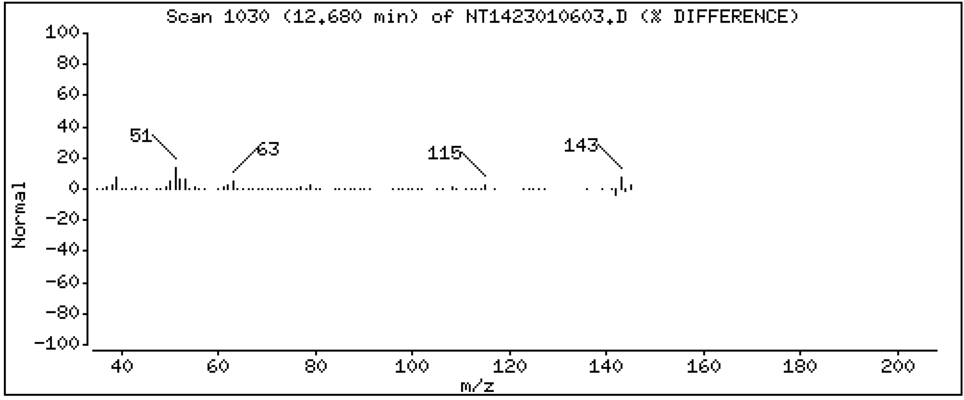
Column phase: ZB-5msi Column diameter: 0.25

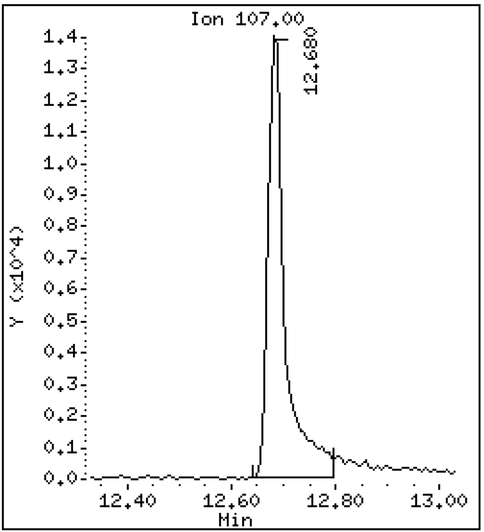
31 4-Chloro-3-methylphenol Concentration: 0.7149 ug/mL

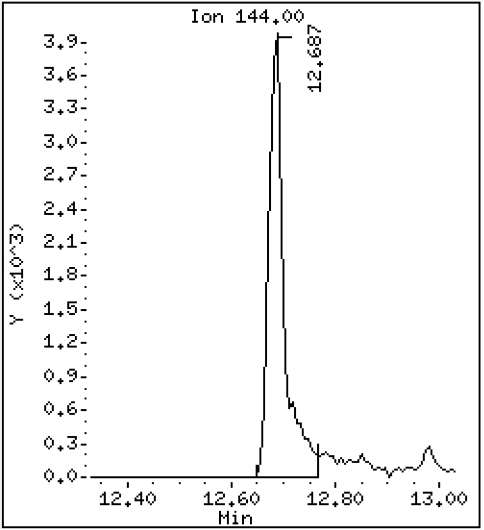


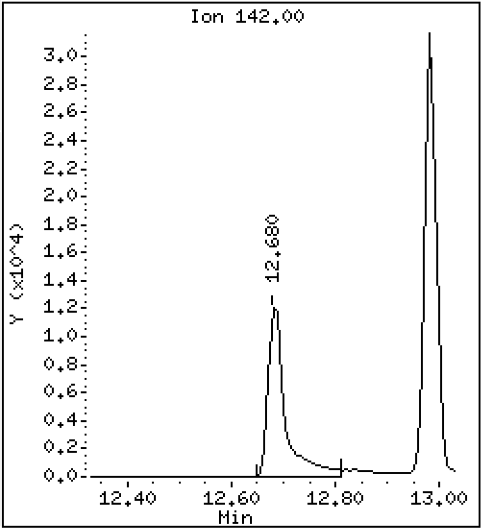












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Date : 06-JAN-2023 12:48

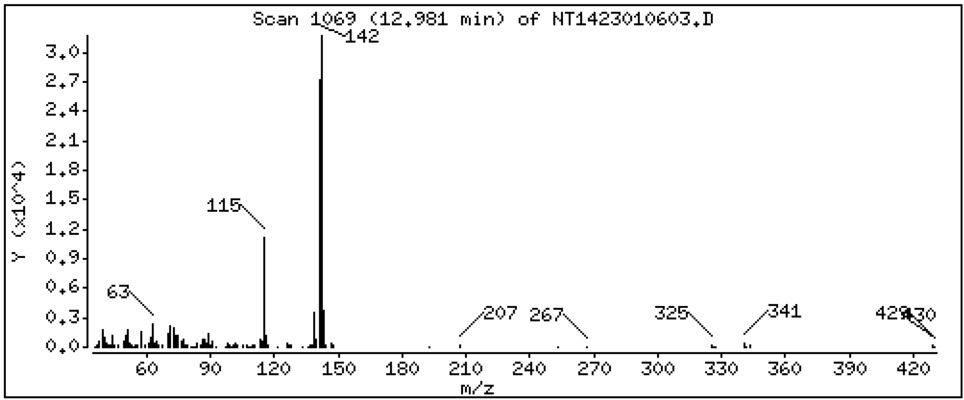
Client ID: Instrument: nt14.i

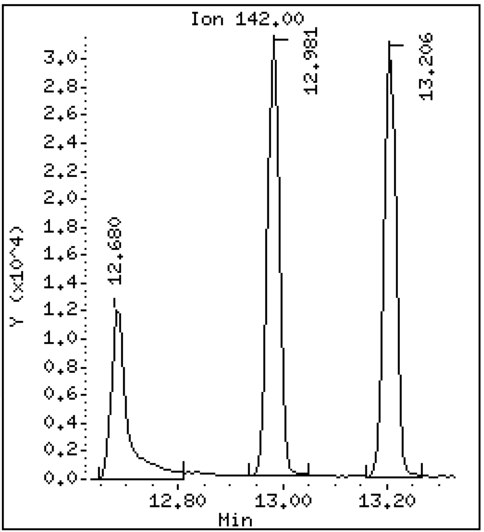
Sample Info: SLA0068-LCV1

Operator: VTS

Column phase: ZB-5msi Column diameter: 0.25

32 2-Methylnaphthalene Concentration: 0.4276 ug/mL


Scan 1069 (12.981 min) of NT1423010603.D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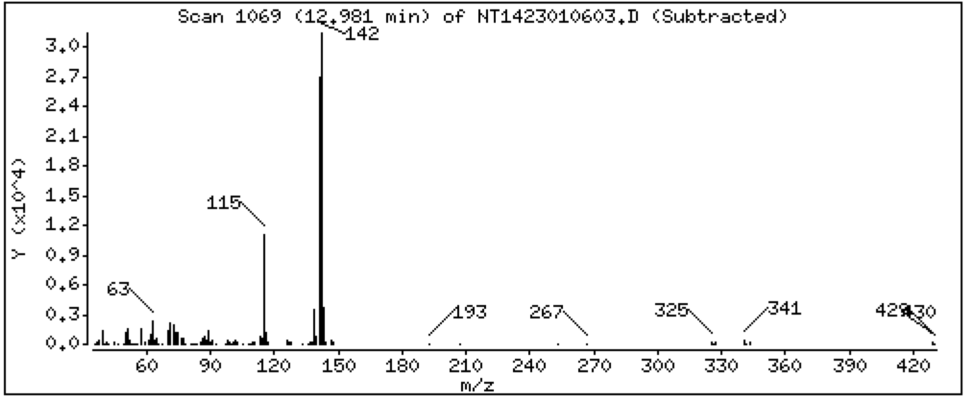
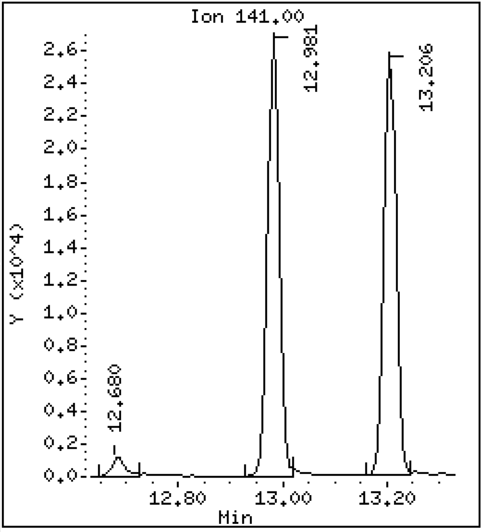

Scan 1069 (12.981 min) of NT1423010603.D (Subtracted)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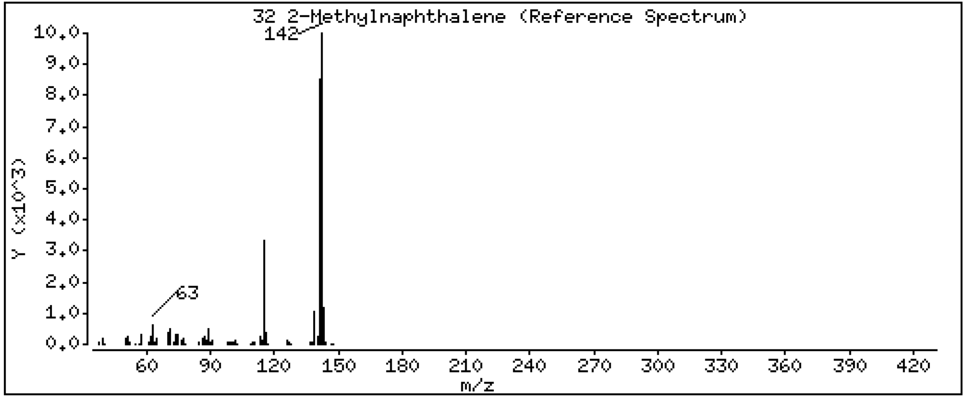
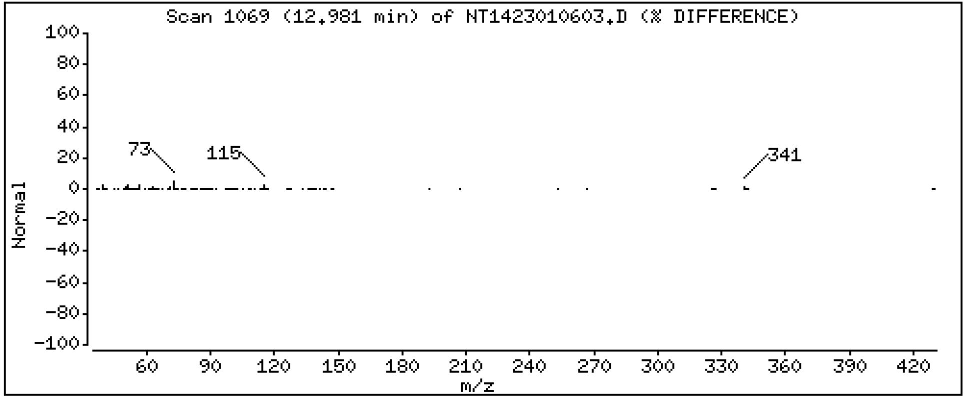

32 2-Methylnaphthalene (Reference Spectrum)


Scan 1069 (12.981 min) of NT1423010603.D (% DIFFERENCE)

Data File: \\target\share\chem3\nt14.i\20230106.b\NT1423010603.D

Date : 06-JAN-2023 12:48

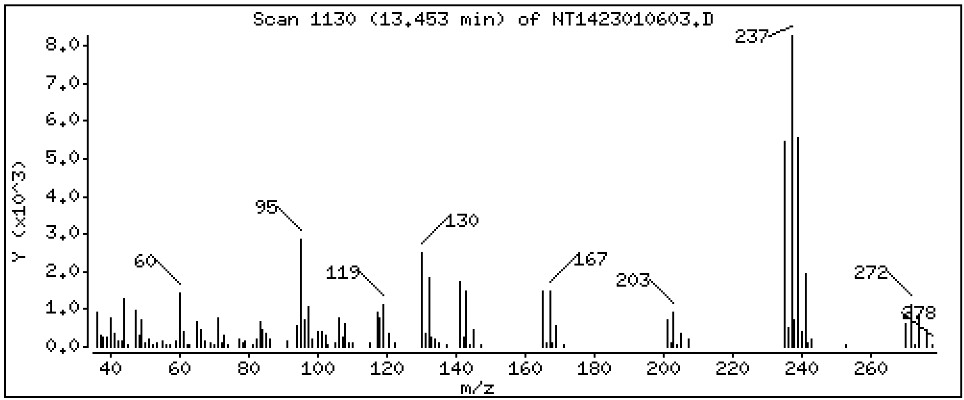
Client ID: Instrument: nt14.i

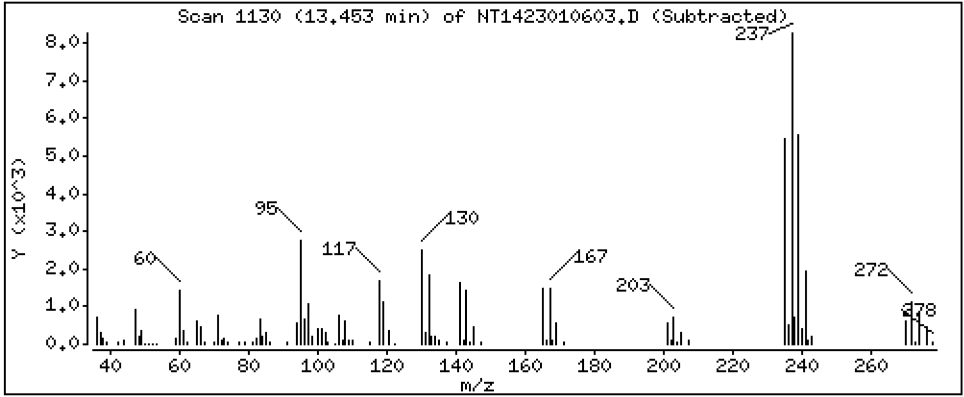
Sample Info: SLA0068-LCV1

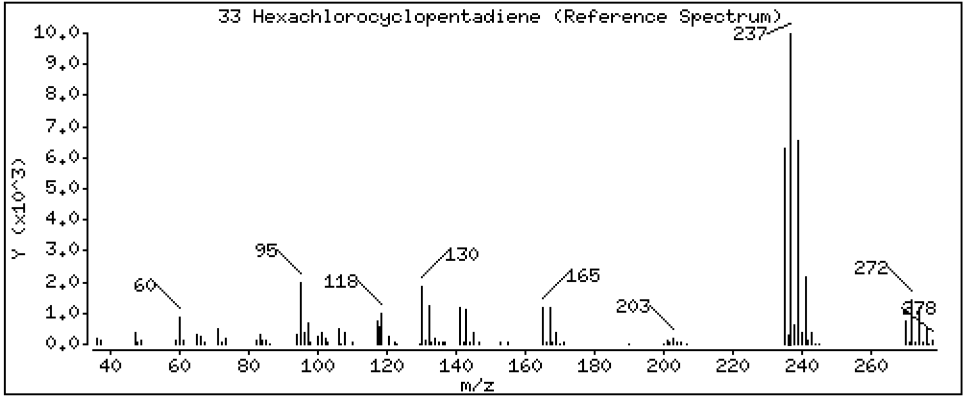
Operator: VTS

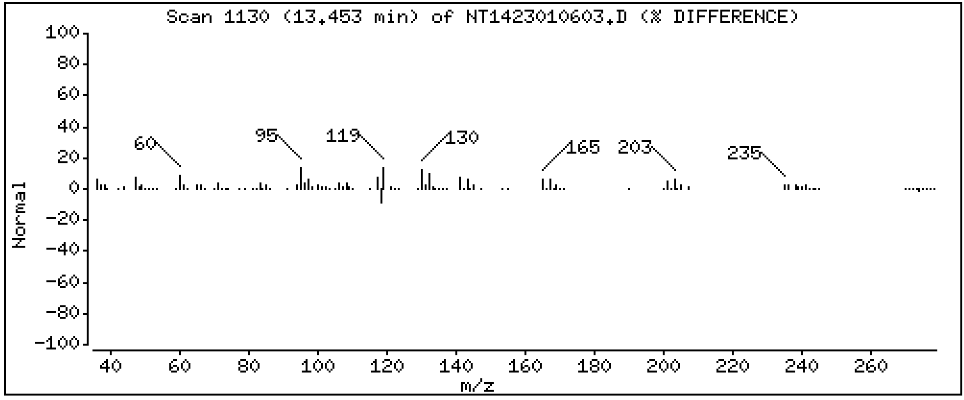
Column phase: ZB-5msi Column diameter: 0.25

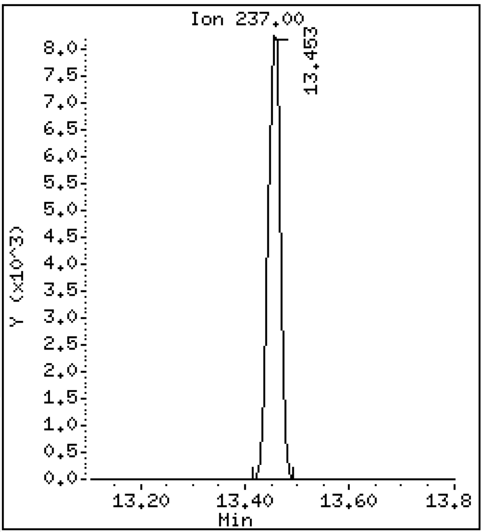
33 Hexachlorocyclopentadiene Concentration: 0.5629 ug/mL

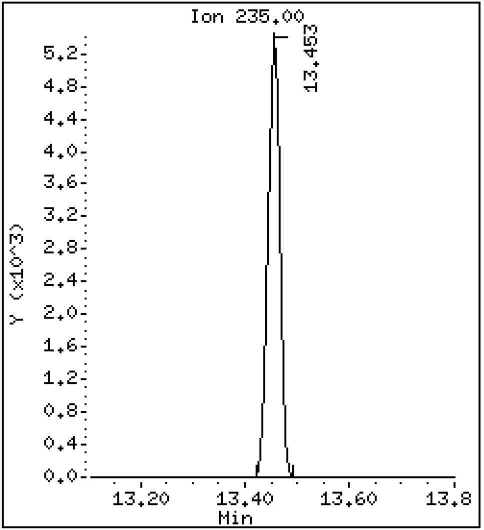


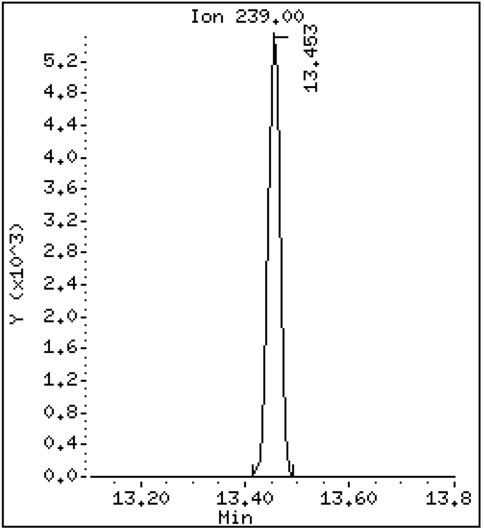












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Date : 06-JAN-2023 12:48

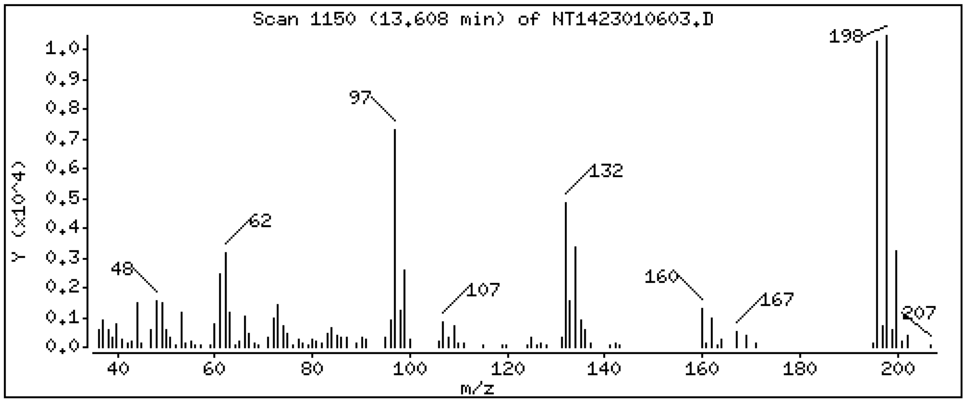
Client ID: Instrument: nt14.i

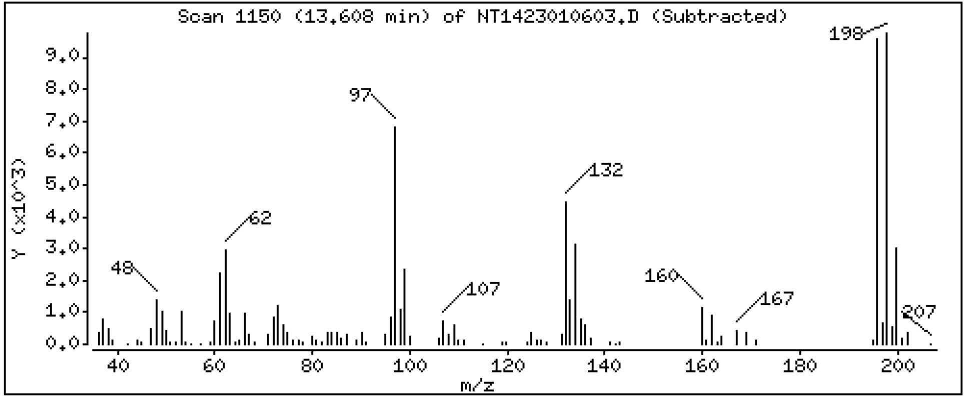
Sample Info: SLA0068-LCV1

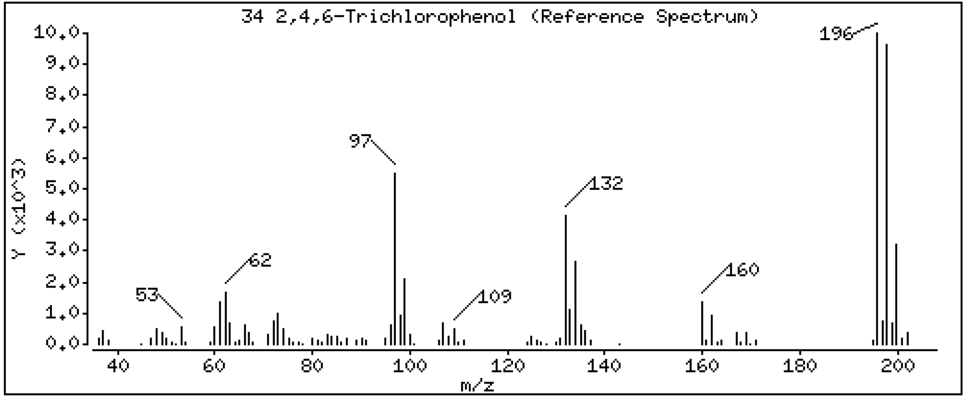
Operator: VTS

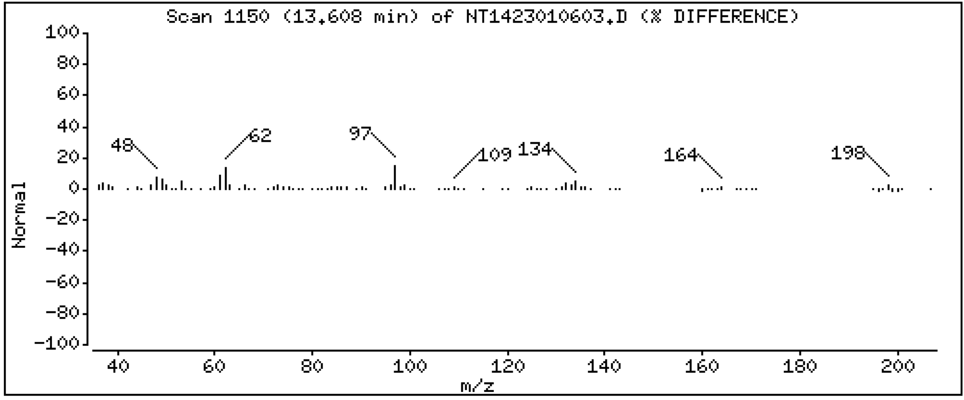
Column phase: ZB-5msi Column diameter: 0.25

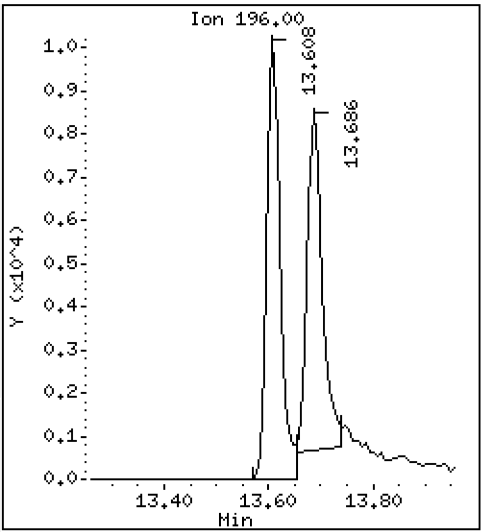
34 2,4,6-Trichlorophenol Concentration: 0.6842 ug/mL

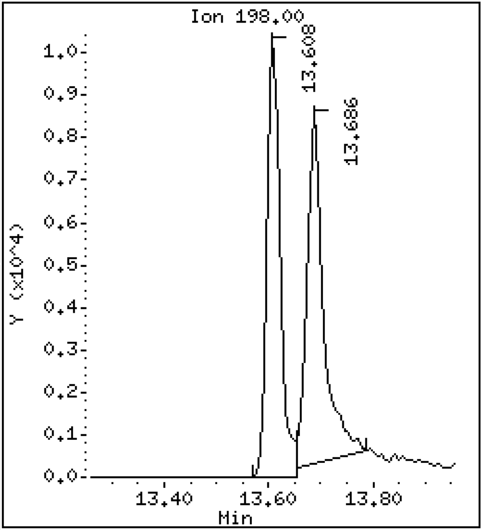


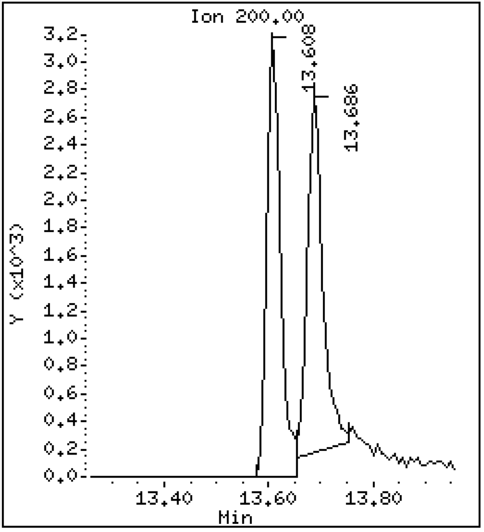












Data File: \\target\share\chem3\nt14.i\20230106.b\NT1423010603.D

Date : 06-JAN-2023 12:48

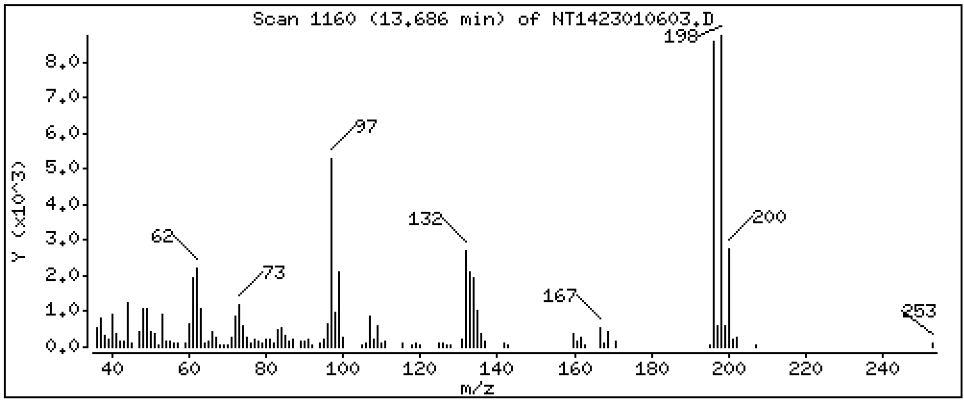
Client ID: Instrument: nt14.i

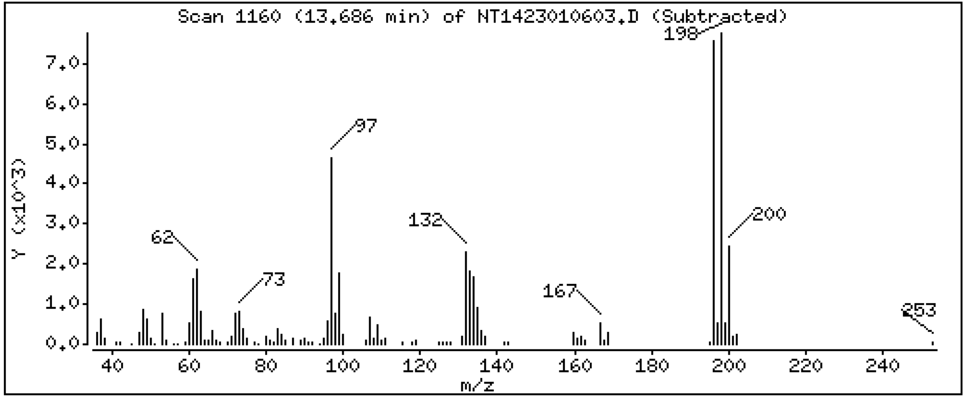
Sample Info: SLA0068-LCV1

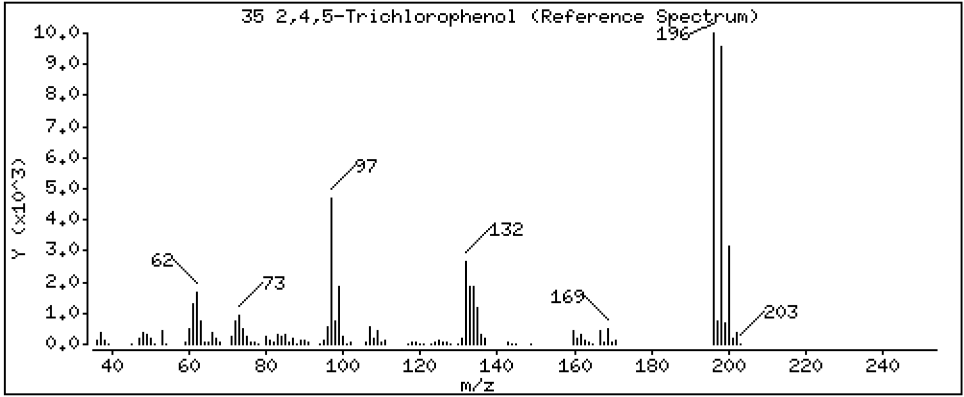
Operator: VTS

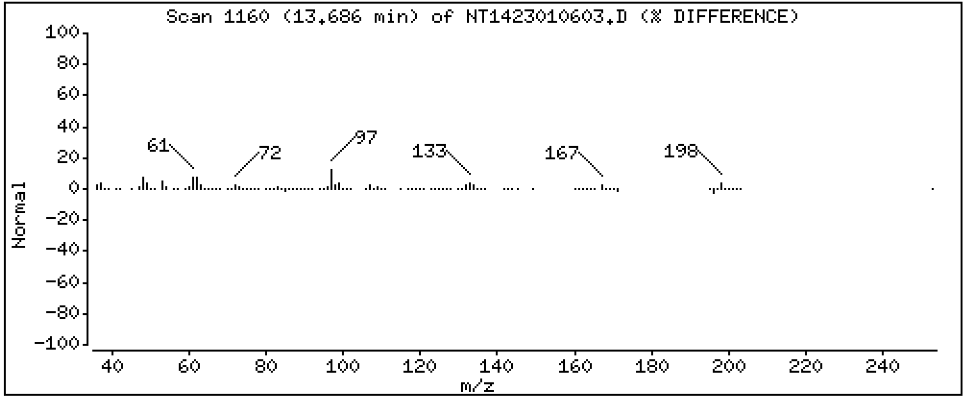
Column phase: ZB-5msi Column diameter: 0.25

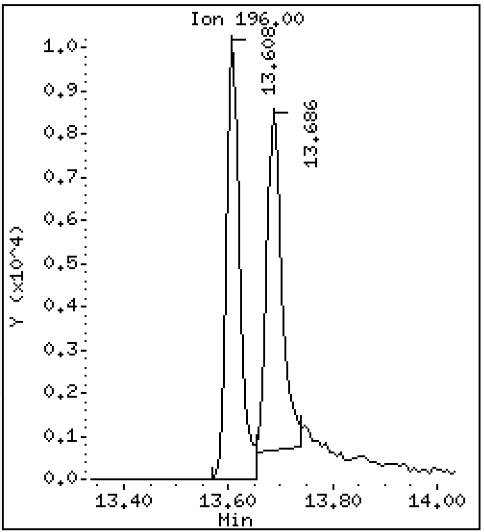
35 2,4,5-Trichlorophenol Concentration: 0.5265 ug/mL


Scan 1160 (13.686 min) of NT1423010603.D


Scan 1160 (13.686 min) of NT1423010603.D (Subtracted)


35 2,4,5-Trichlorophenol (Reference Spectrum)


Scan 1160 (13.686 min) of NT1423010603.D (% DIFFERENCE)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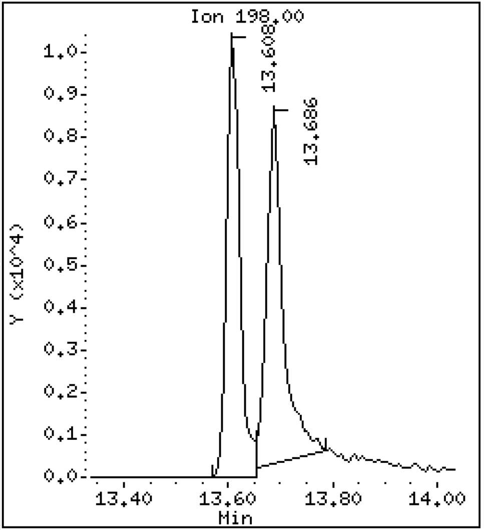
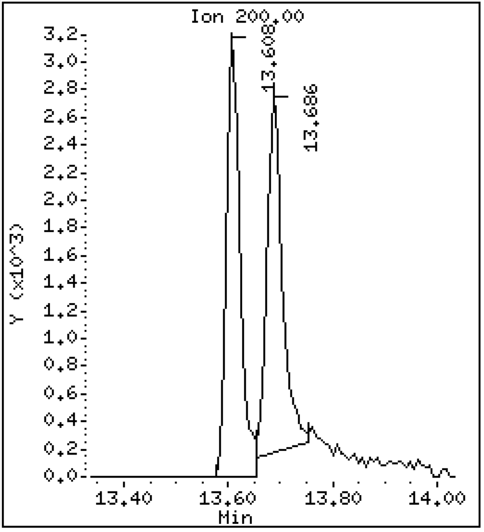

Ion 198.00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Date : 06-JAN-2023 12:48

Client ID:

Instrument: nt14.i

Sample Info: SLA0068-LCV1

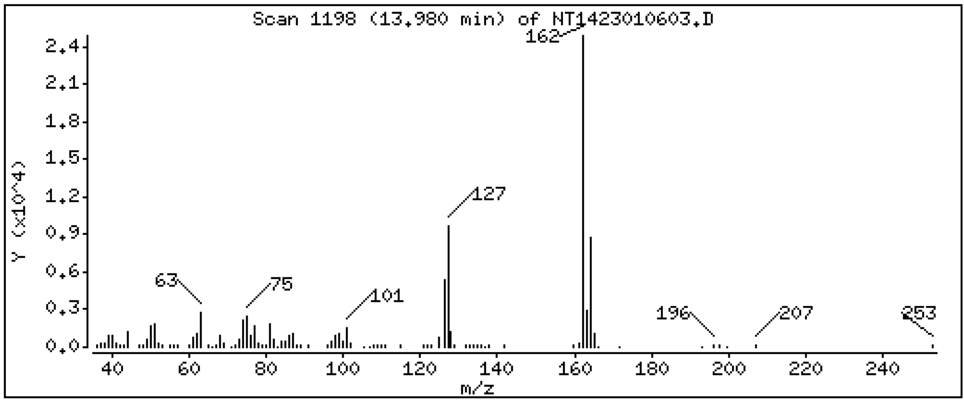
Operator: VTS

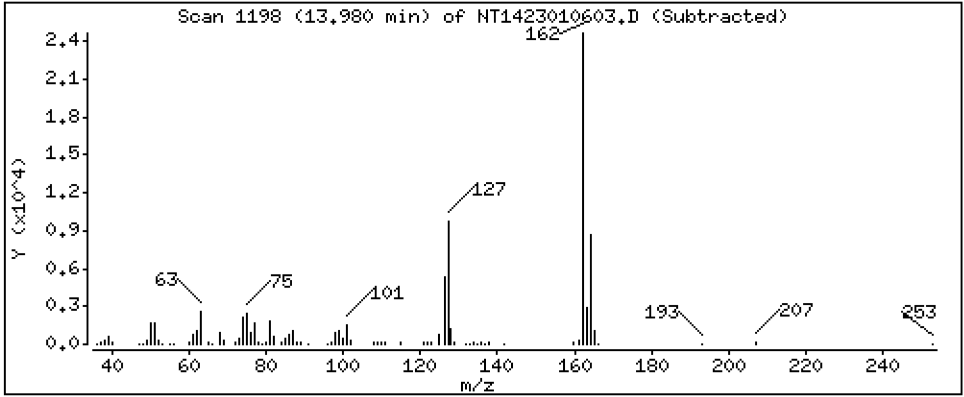
Column phase: ZB-5msi

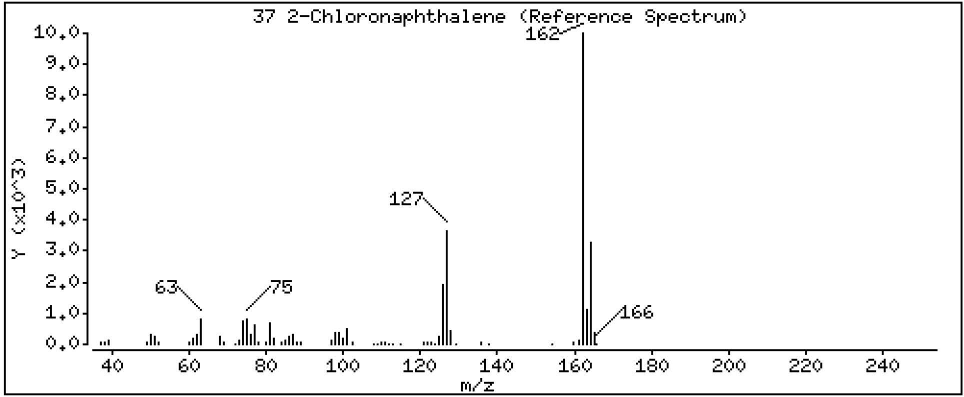
Column diameter: 0.25

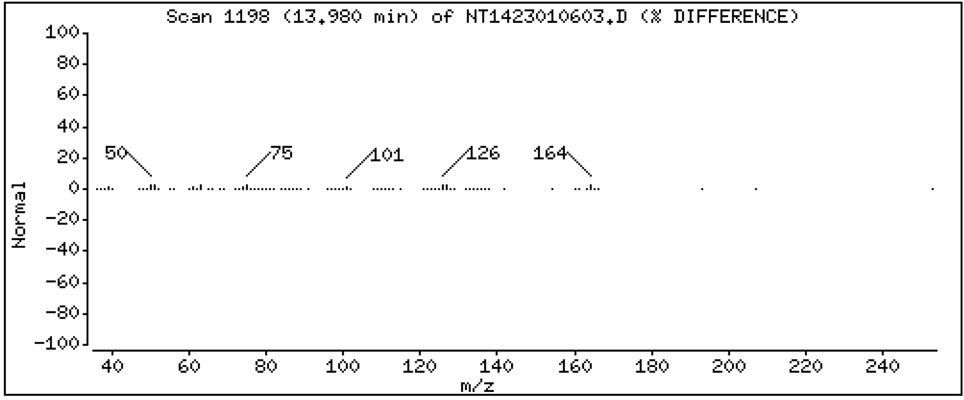
37 2-Chloronaphthalene

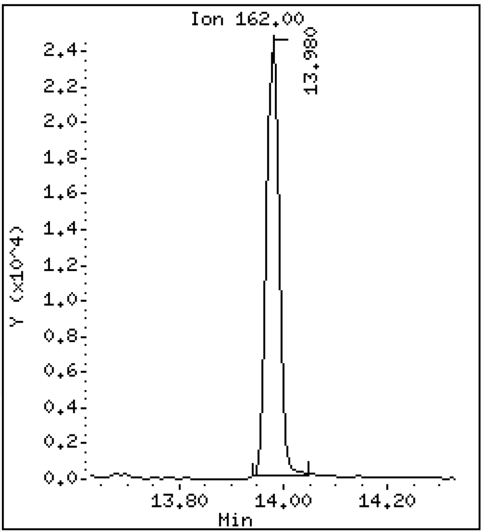
Concentration: 0.4535 ug/mL


Scan 1198 (13.980 min) of NT1423010603.D


Scan 1198 (13.980 min) of NT1423010603.D (Subtracted)


37 2-Chloronaphthalene (Reference Spectrum)


Scan 1198 (13.980 min) of NT1423010603.D (% DIFFERENCE)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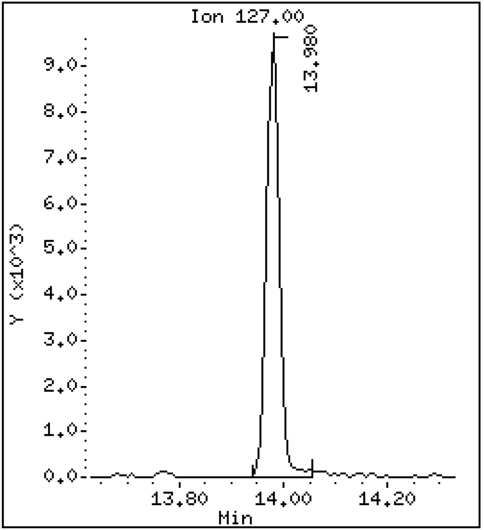
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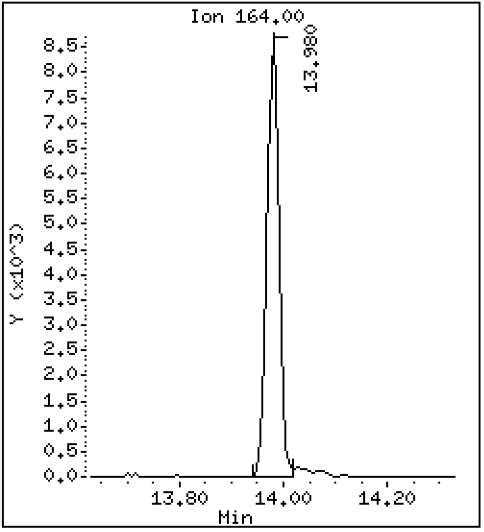
Ion 164.00

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Date : 06-JAN-2023 12:48

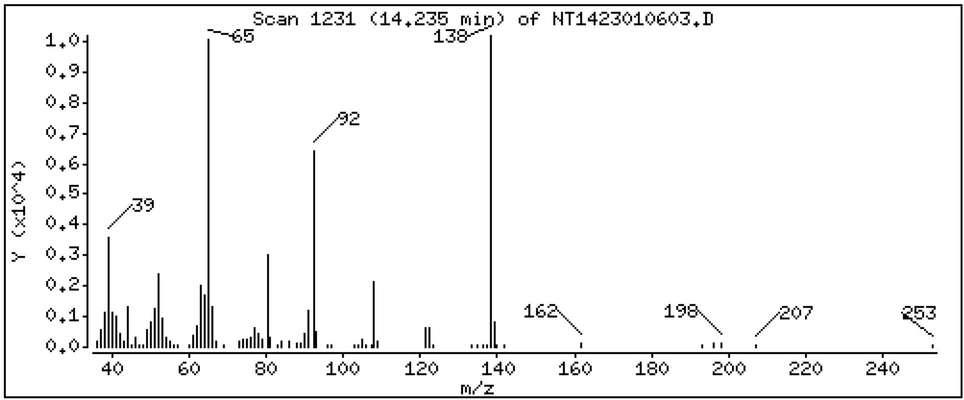
Client ID: Instrument: nt14.i

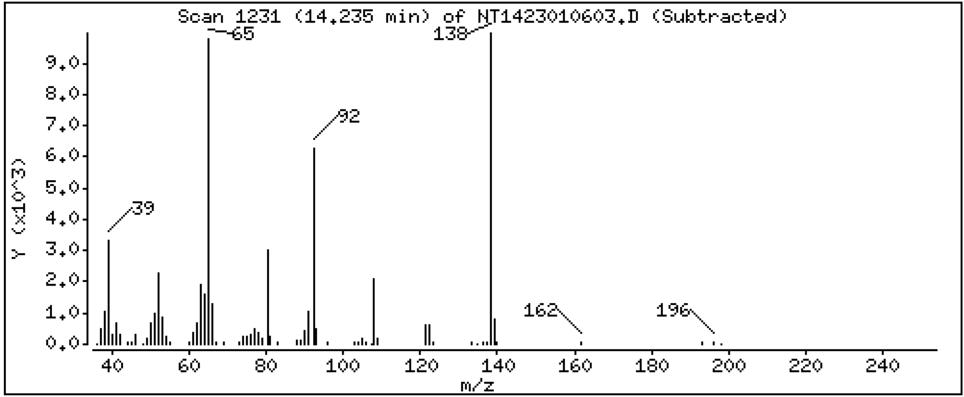
Sample Info: SLA0068-LCV1

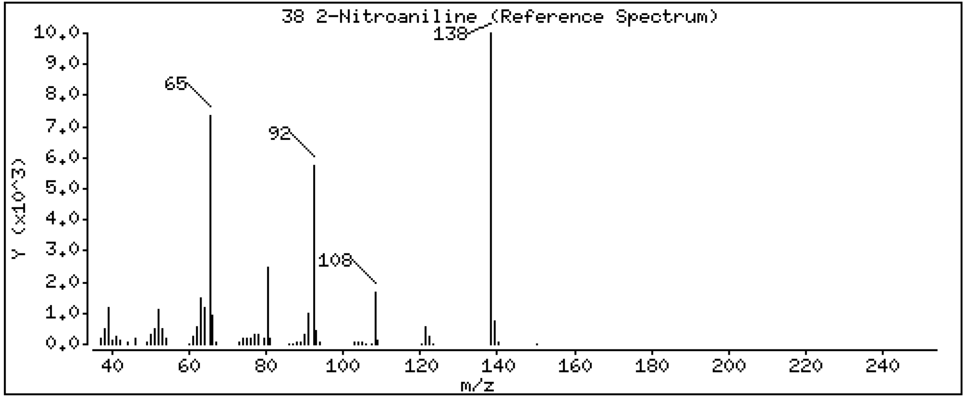
Operator: VTS

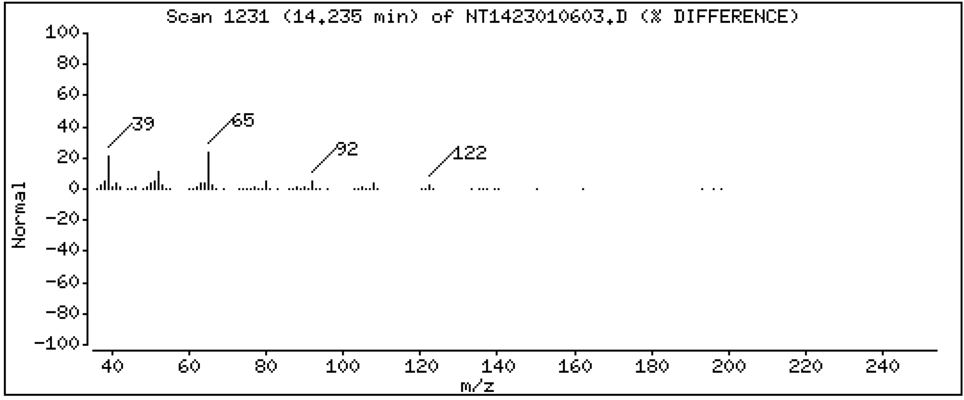
Column phase: ZB-5msi Column diameter: 0.25

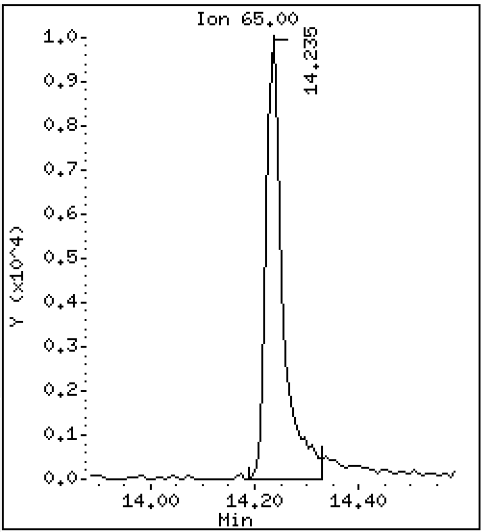
38 2-Nitroaniline Concentration: 0.9526 ug/mL


Scan 1231 (14.235 min) of NT1423010603.D


Scan 1231 (14.235 min) of NT1423010603.D (Subtracted)


38 2-Nitroaniline (Reference Spectrum)


Scan 1231 (14.235 min) of NT1423010603.D (% DIFFERENCE)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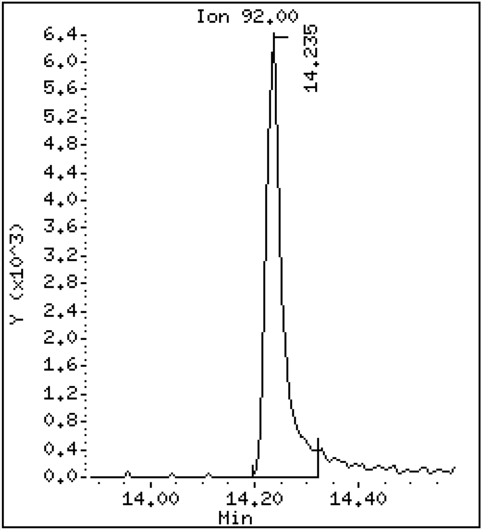
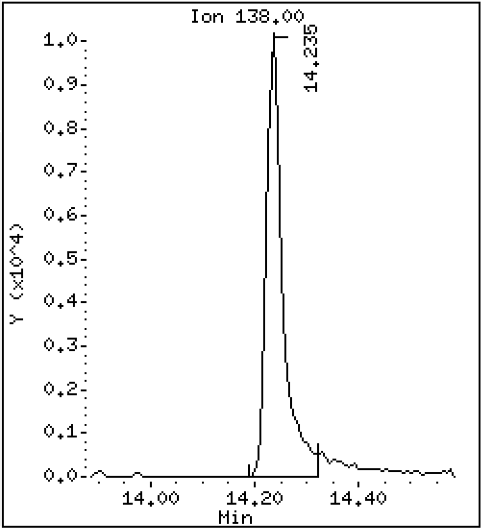

Ion 92.00


Ion 138.00

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Date : 06-JAN-2023 12:48

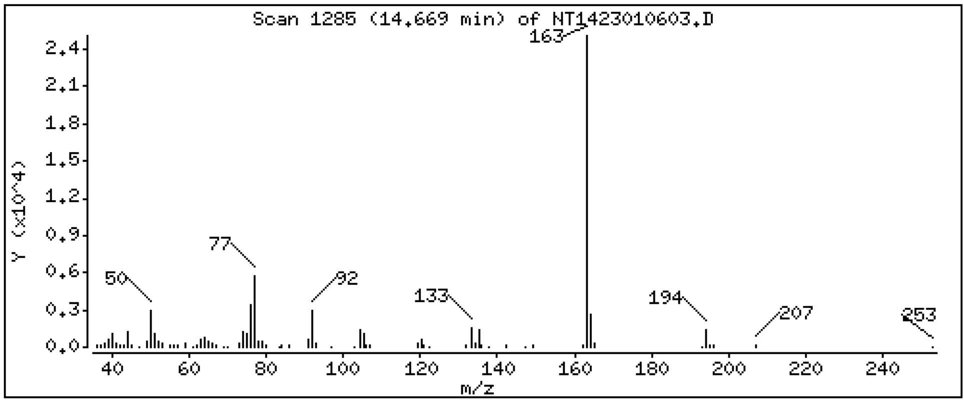
Client ID: Instrument: nt14.i

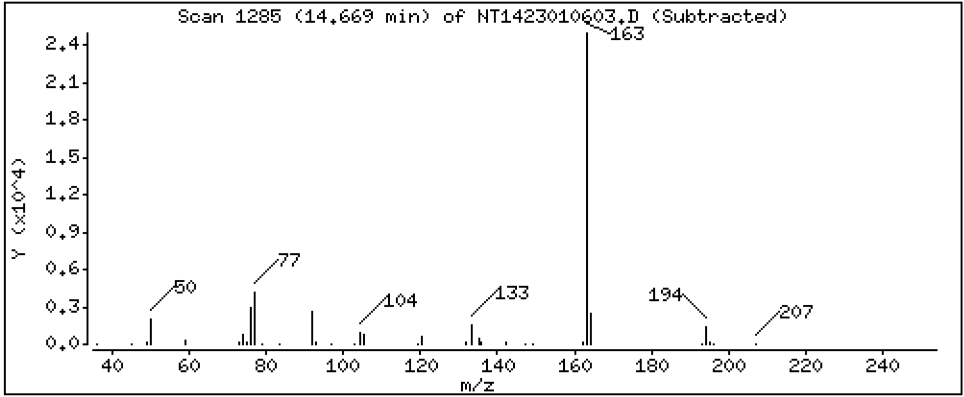
Sample Info: SLA0068-LCV1

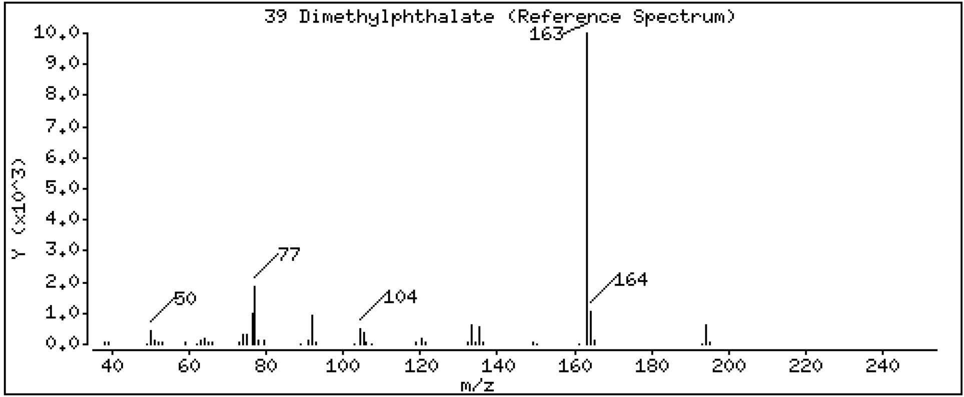
Operator: VTS

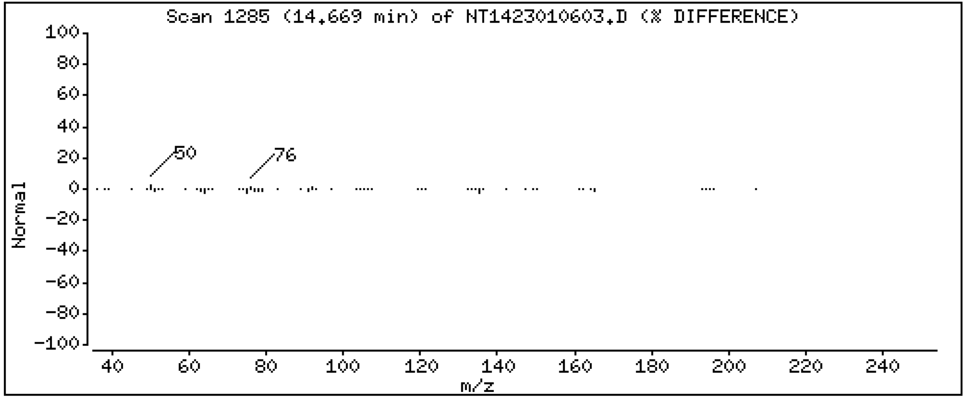
Column phase: ZB-5msi Column diameter: 0.25

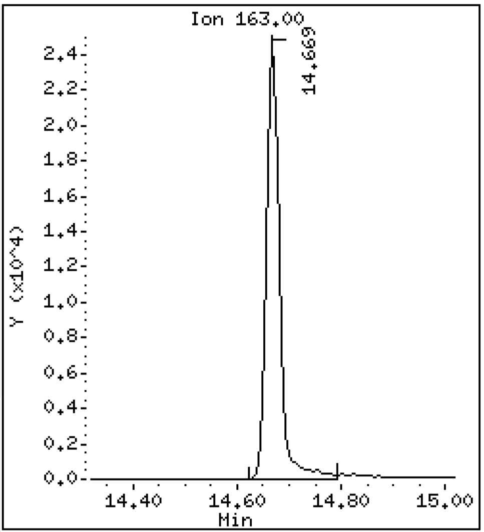
39 Dimethylphthalate Concentration: 0.4836 ug/mL

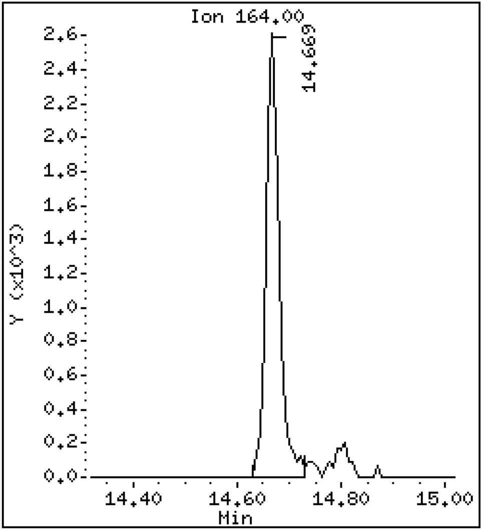


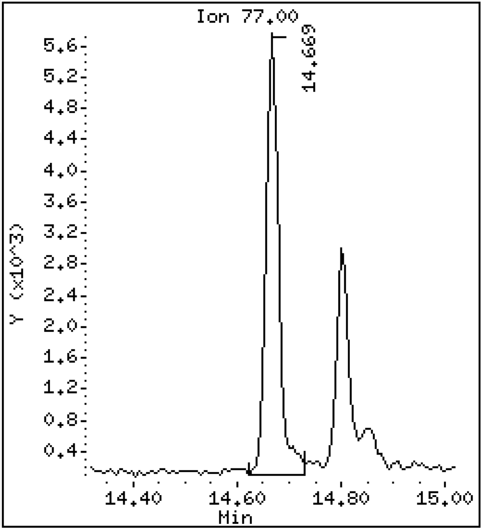












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Date : 06-JAN-2023 12:48

Client ID:

Instrument: nt14.i

Sample Info: SLA0068-LCV1

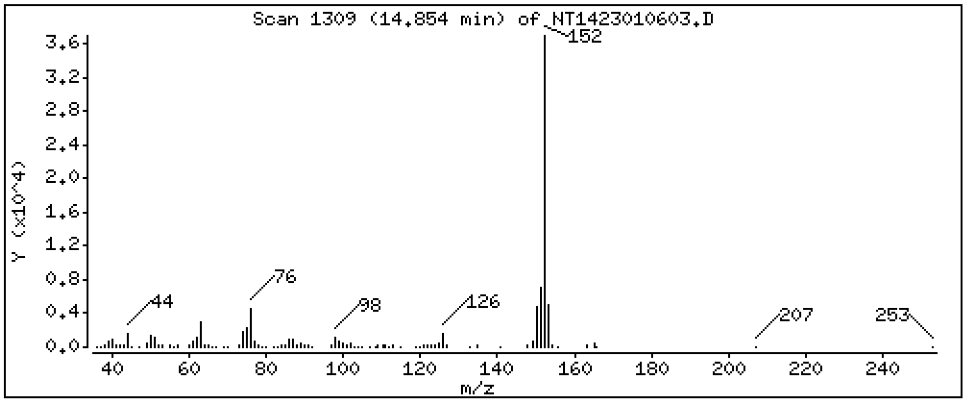
Operator: VTS

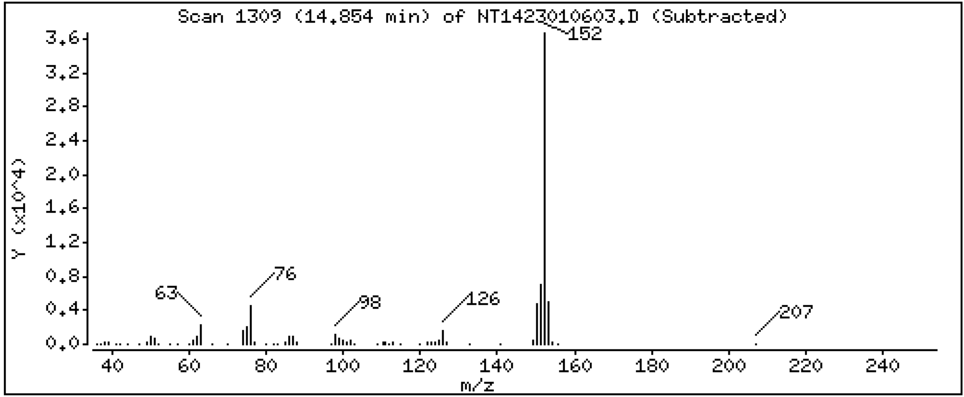
Column phase: ZB-5msi

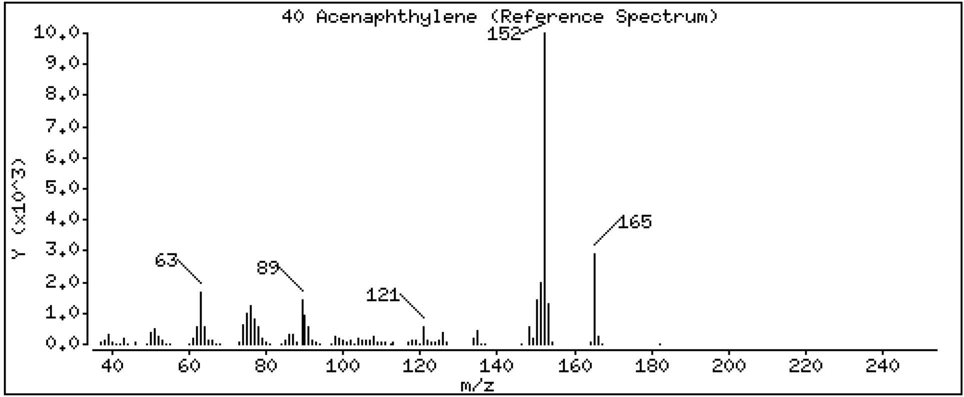
Column diameter: 0.25

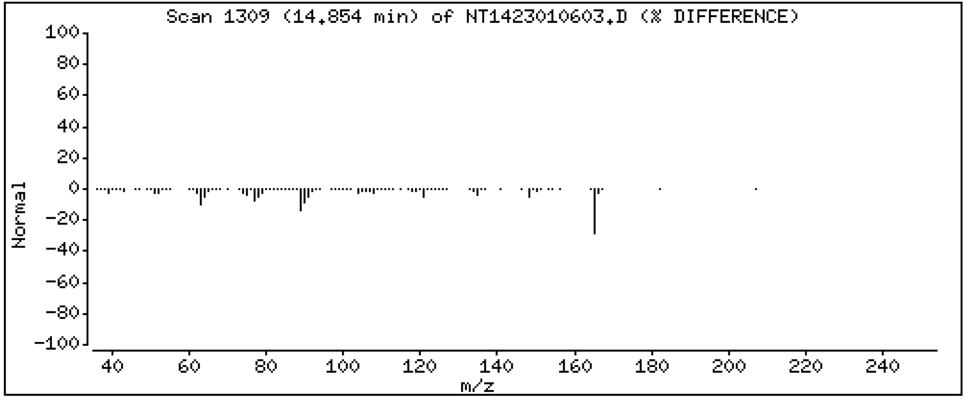
40 Acenaphthylene

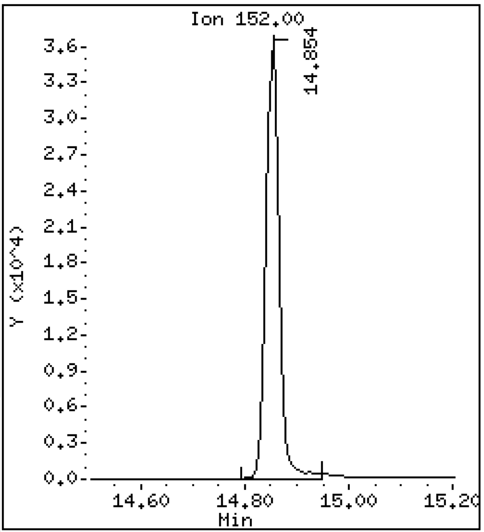
Concentration: 0.4635 ug/mL

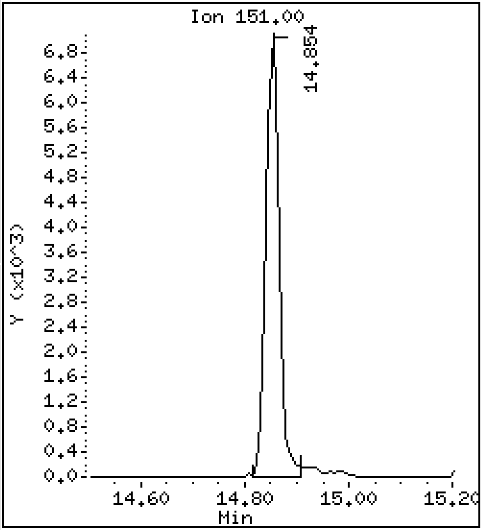


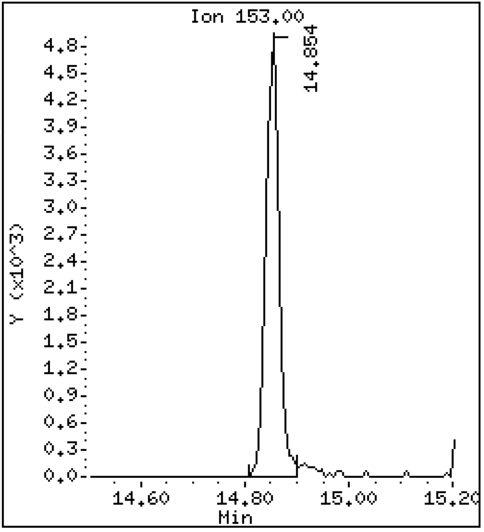












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Date : 06-JAN-2023 12:48

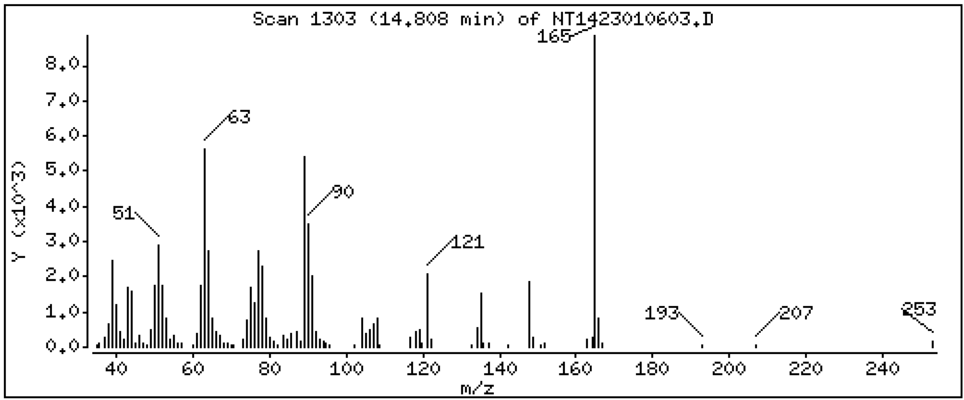
Client ID: Instrument: nt14.i

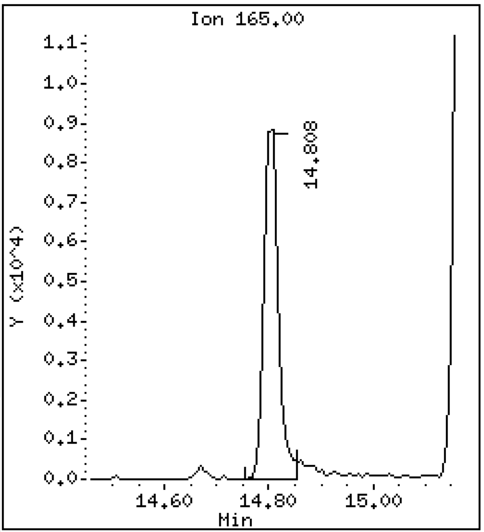
Sample Info: SLA0068-LCV1

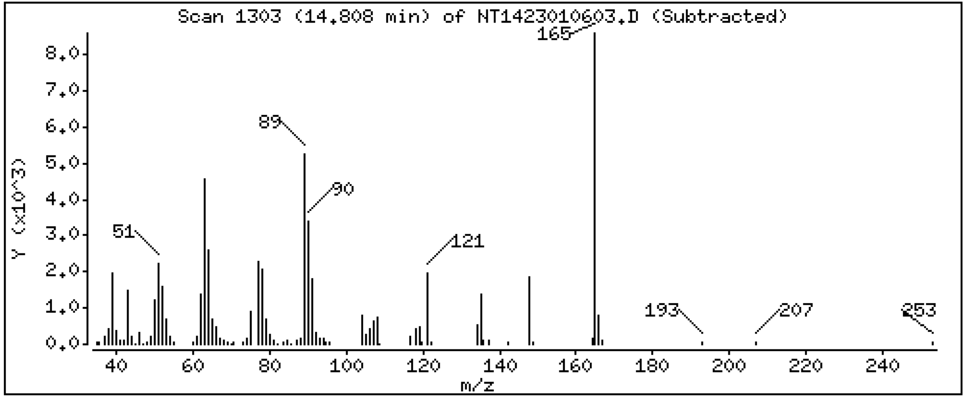
Operator: VTS

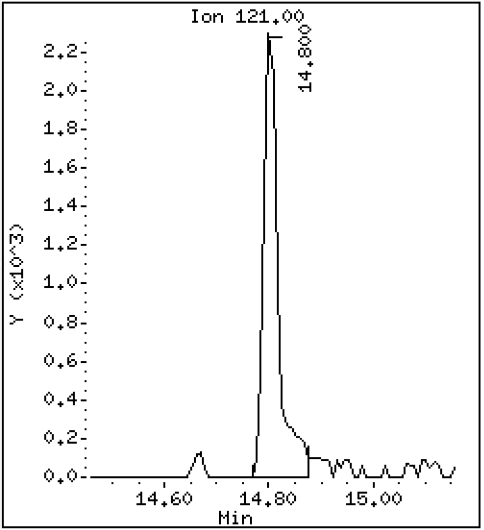
Column phase: ZB-5msi Column diameter: 0.25

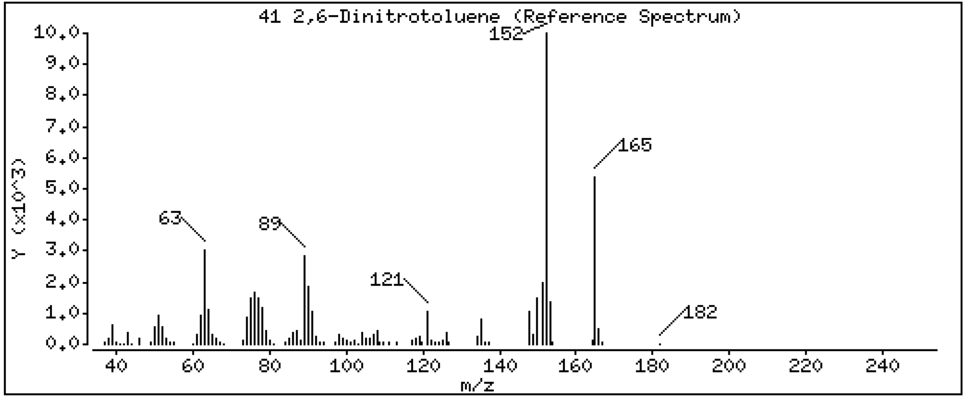
41 2,6-Dinitrotoluene Concentration: 0.8467 ug/mL

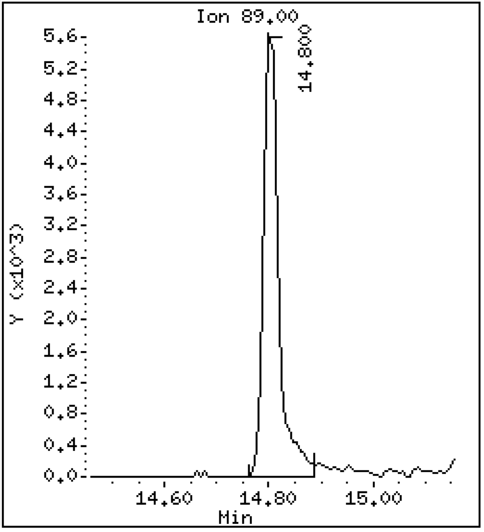


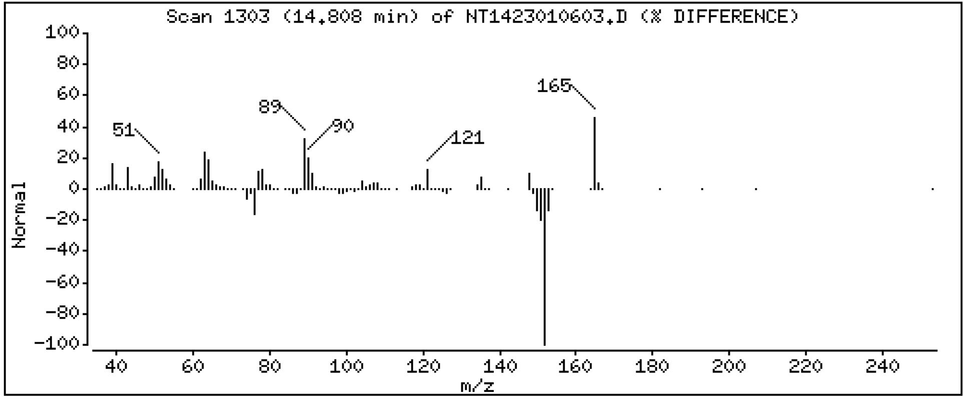












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Date : 06-JAN-2023 12:48

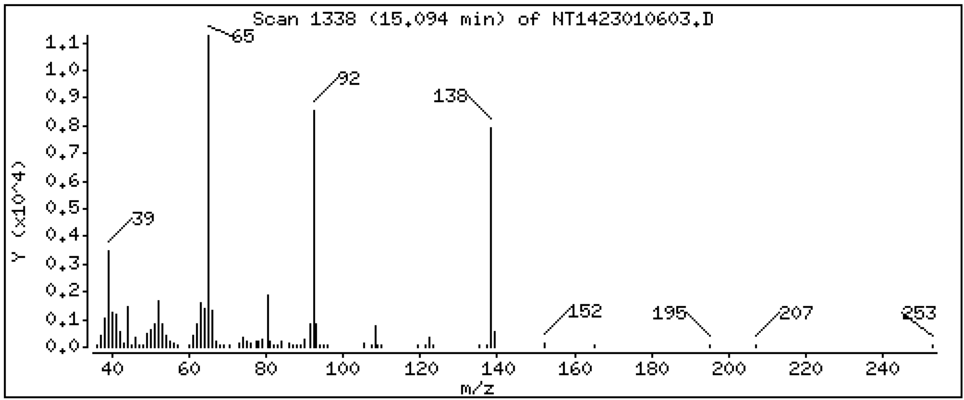
Client ID: Instrument: nt14.i

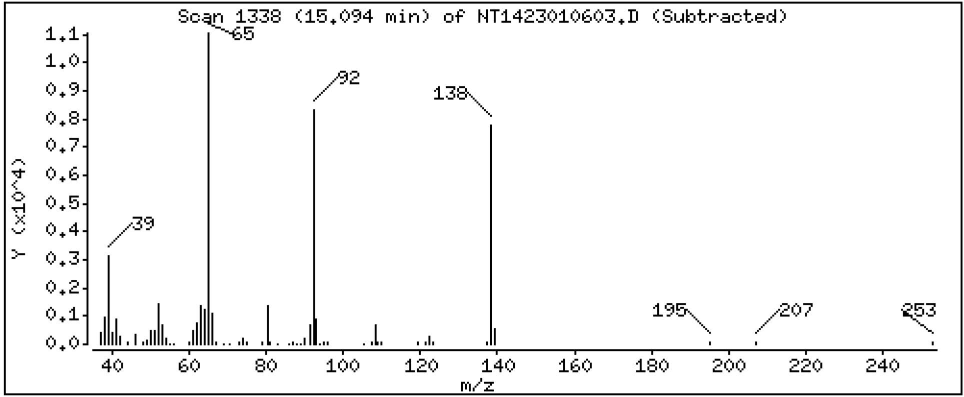
Sample Info: SLA0068-LCV1

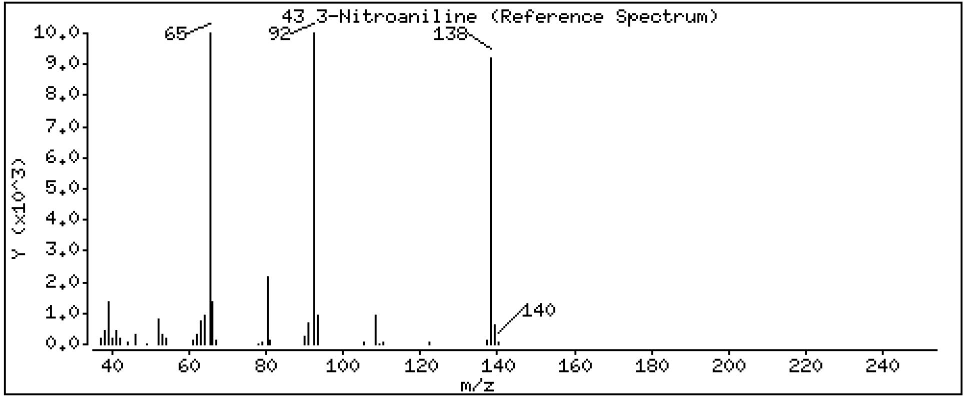
Operator: VTS

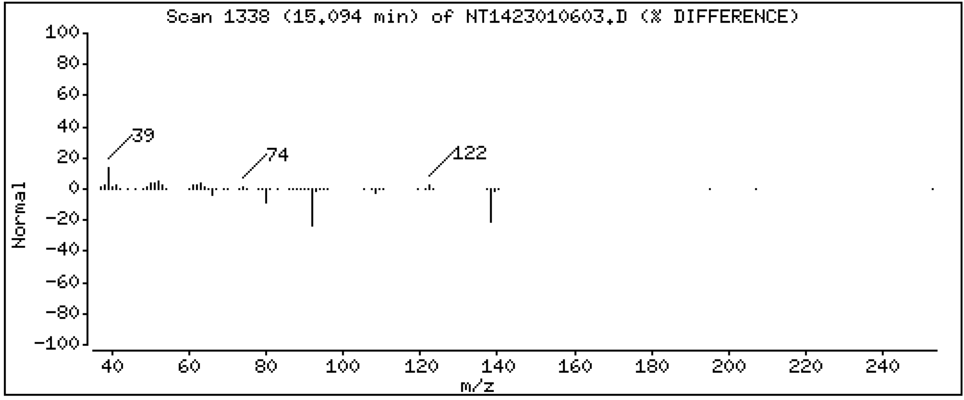
Column phase: ZB-5msi Column diameter: 0.25

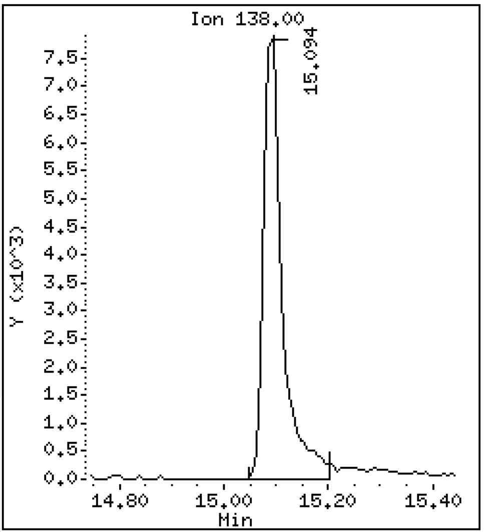
43 3-Nitroaniline Concentration: 0.8220 ug/mL

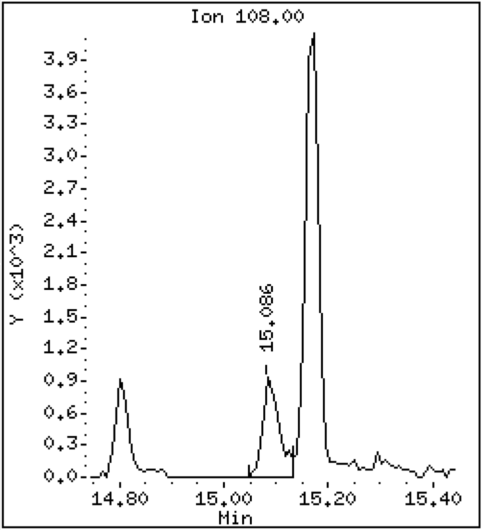


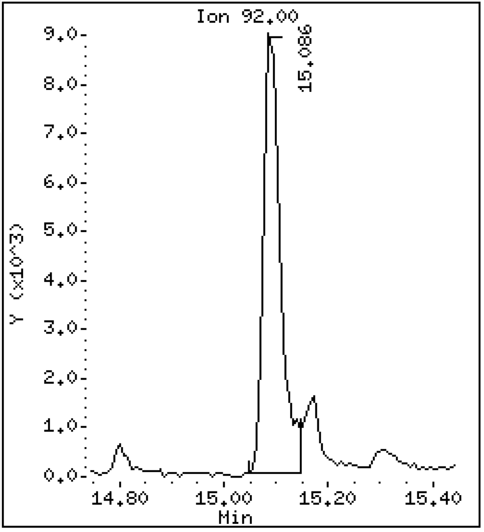












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Date : 06-JAN-2023 12:48

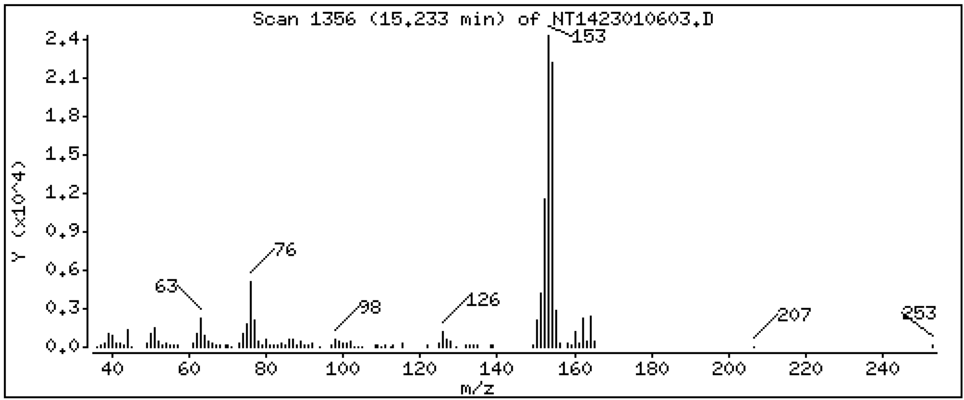
Client ID: Instrument: nt14.i

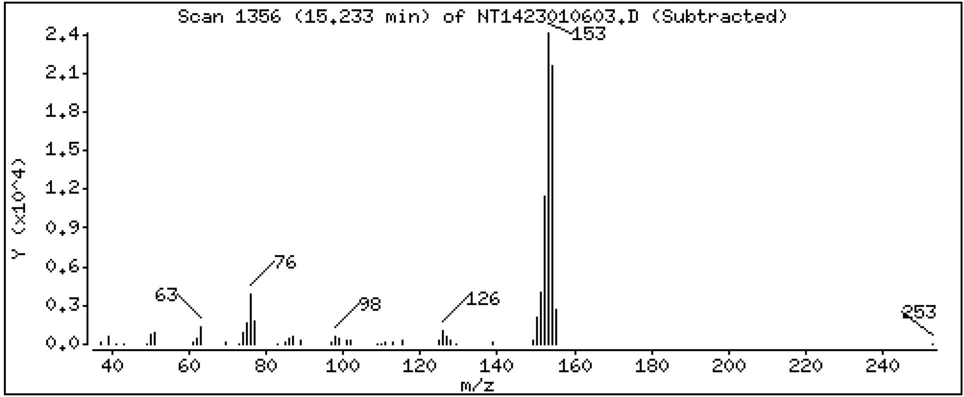
Sample Info: SLA0068-LCV1

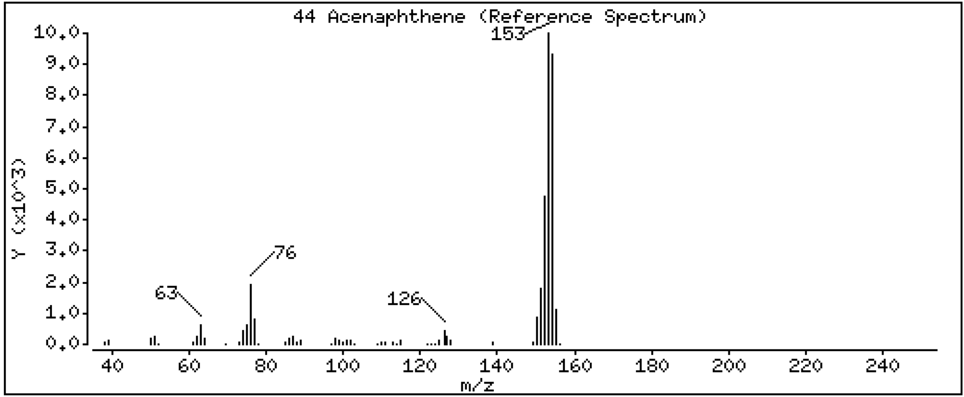
Operator: VTS

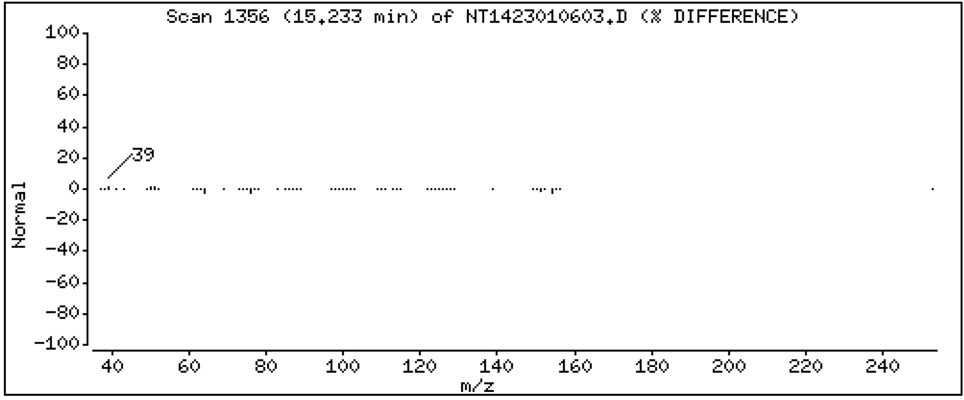
Column phase: ZB-5msi Column diameter: 0.25

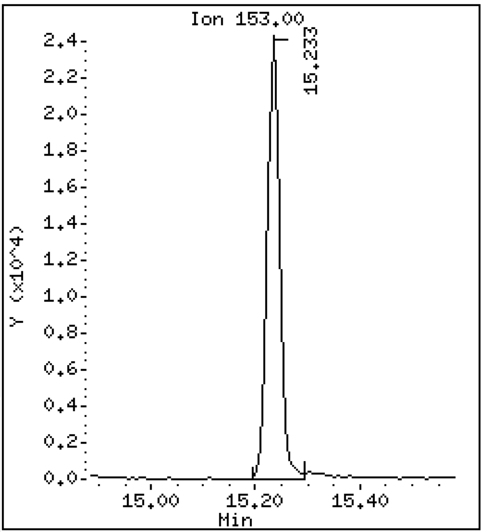
44 Acenaphthene Concentration: 0.4698 ug/mL

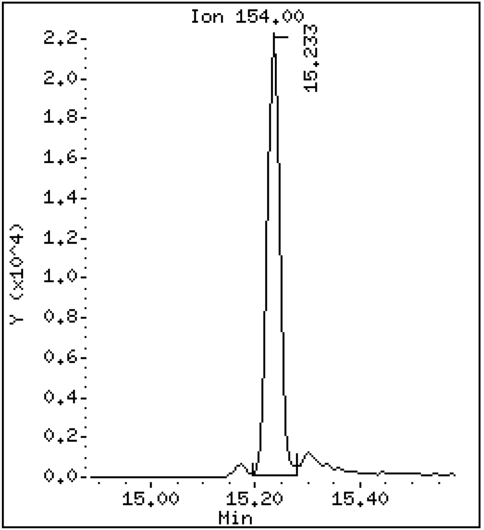


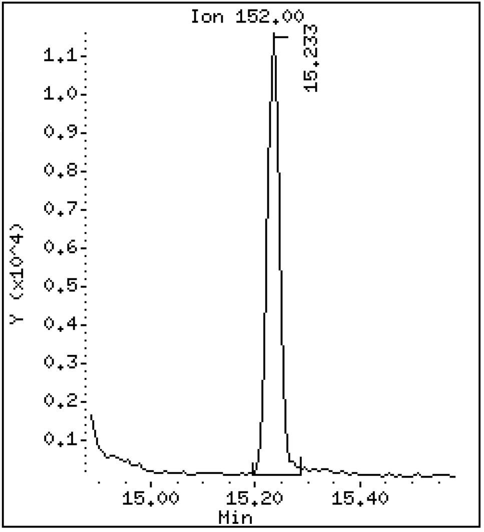












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Date : 06-JAN-2023 12:48

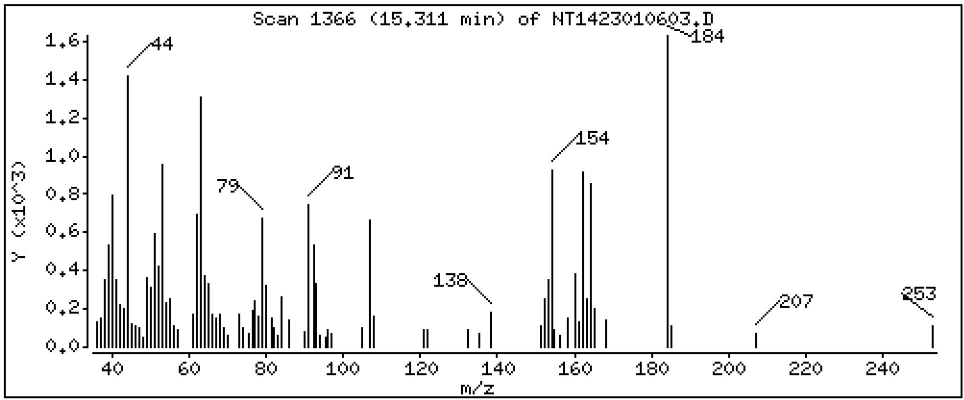
Client ID: Instrument: nt14.i

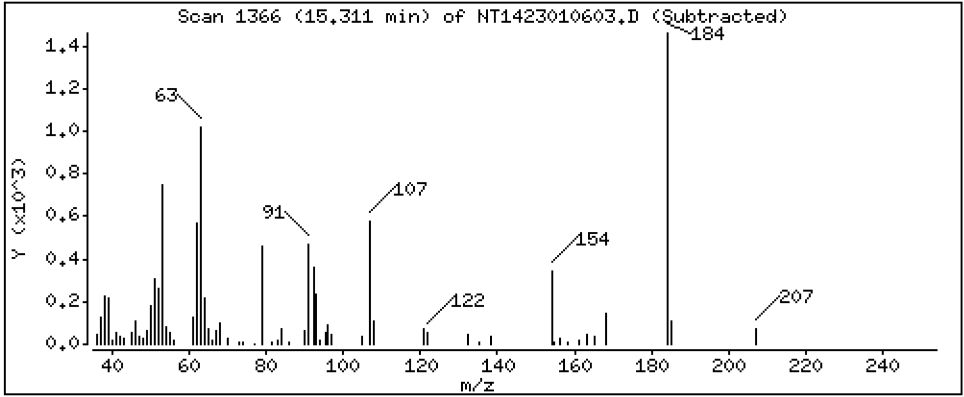
Sample Info: SLA0068-LCV1

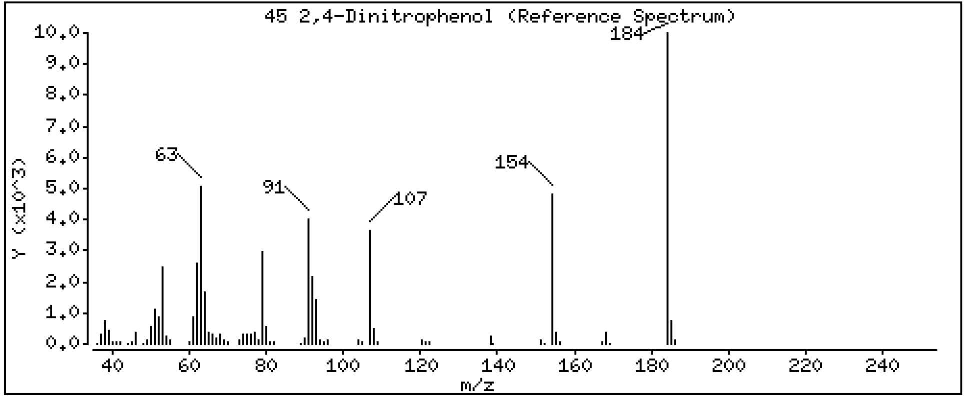
Operator: VTS

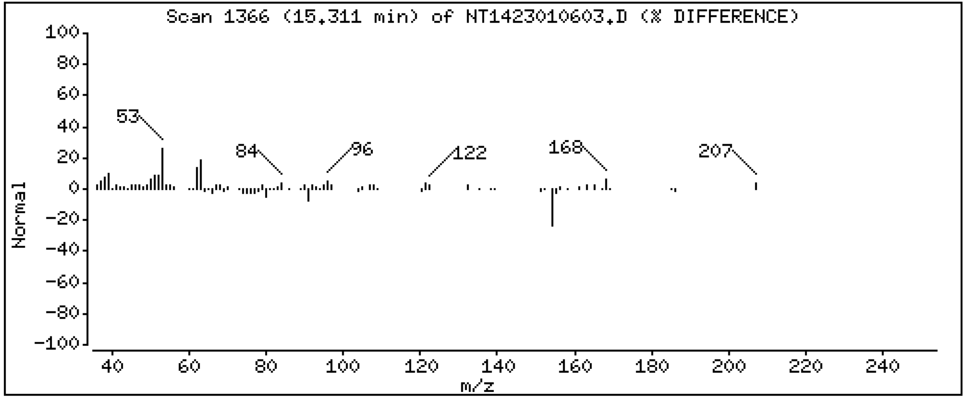
Column phase: ZB-5msi Column diameter: 0.25

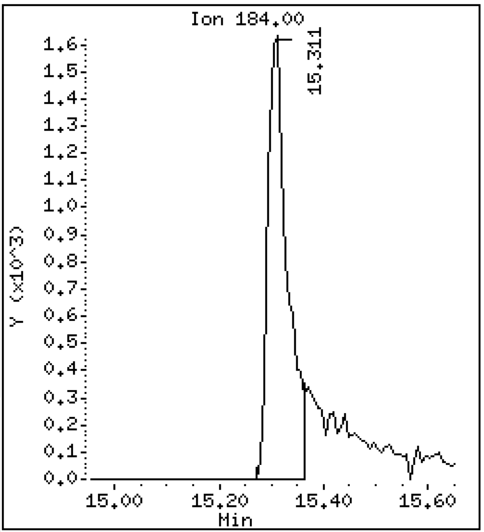
45 2,4-Dinitrophenol Concentration: 0.2574 ug/mL

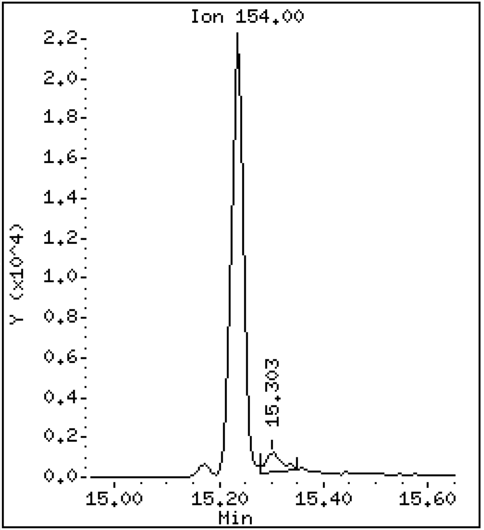


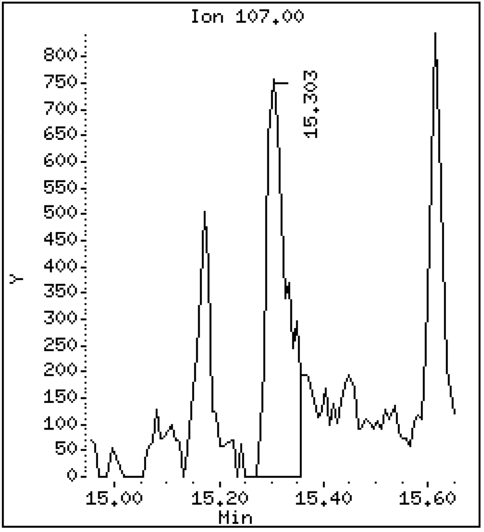












Data File: \\target\share\chem3\nt14.i\20230106.b\NT1423010603.D

Date : 06-JAN-2023 12:48

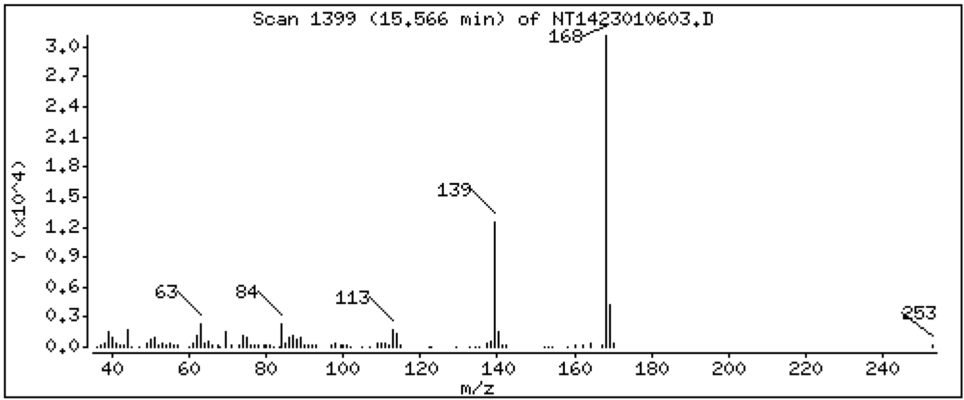
Client ID: Instrument: nt14.i

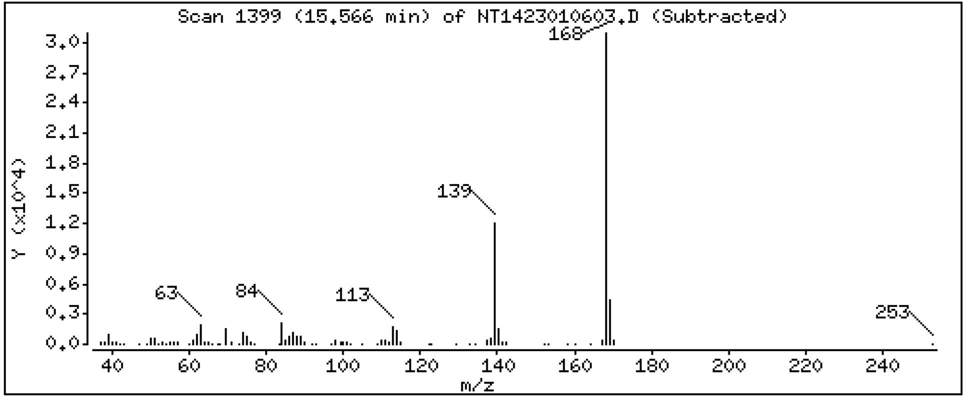
Sample Info: SLA0068-LCV1

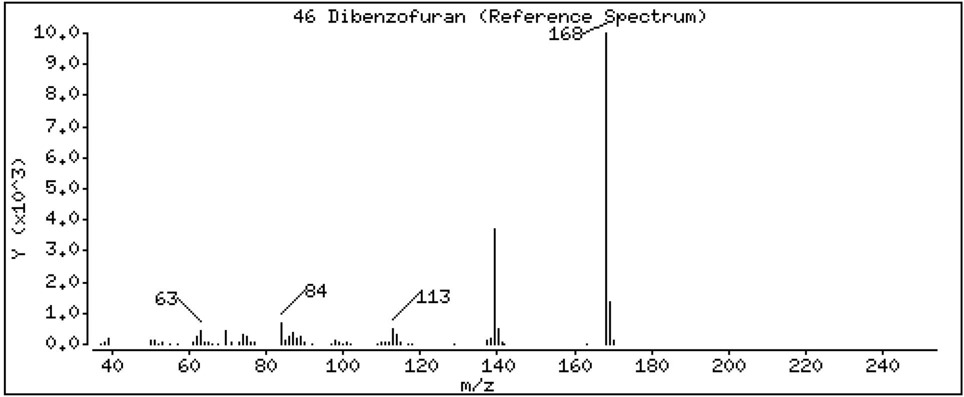
Operator: VTS

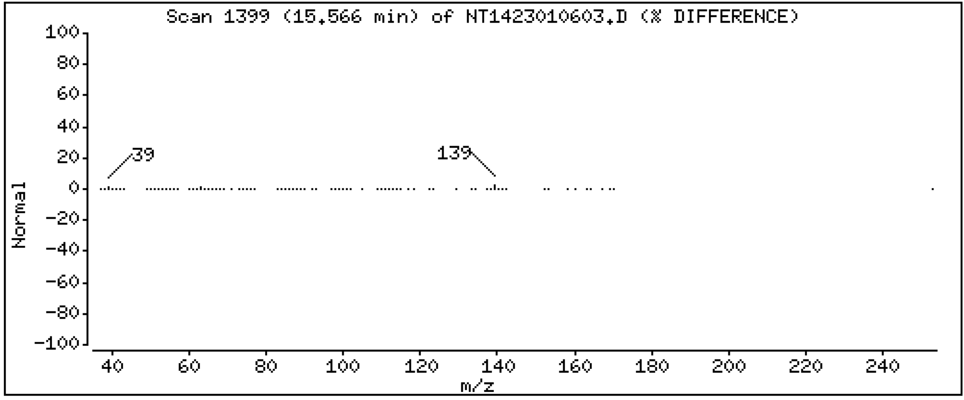
Column phase: ZB-5msi Column diameter: 0.25

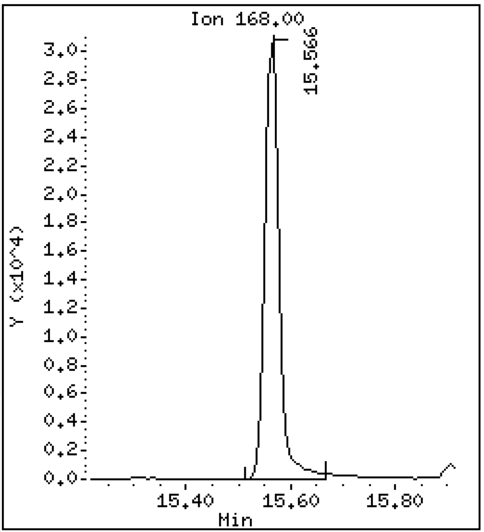
46 Dibenzofuran Concentration: 0.4574 ug/mL

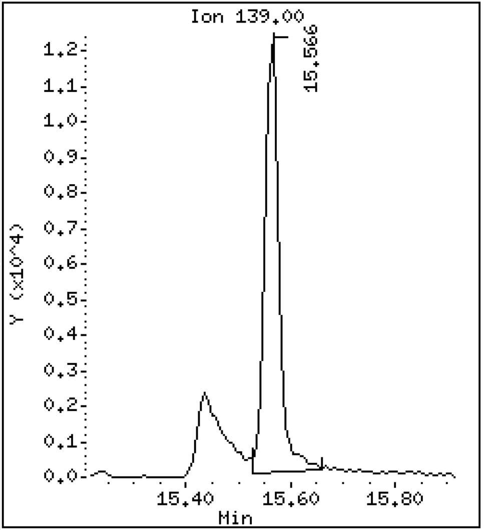


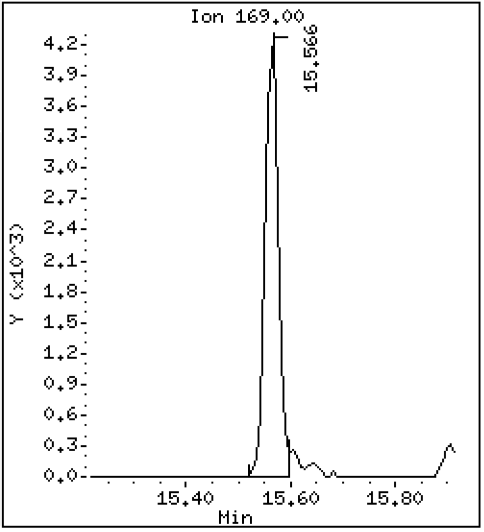












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Date : 06-JAN-2023 12:48

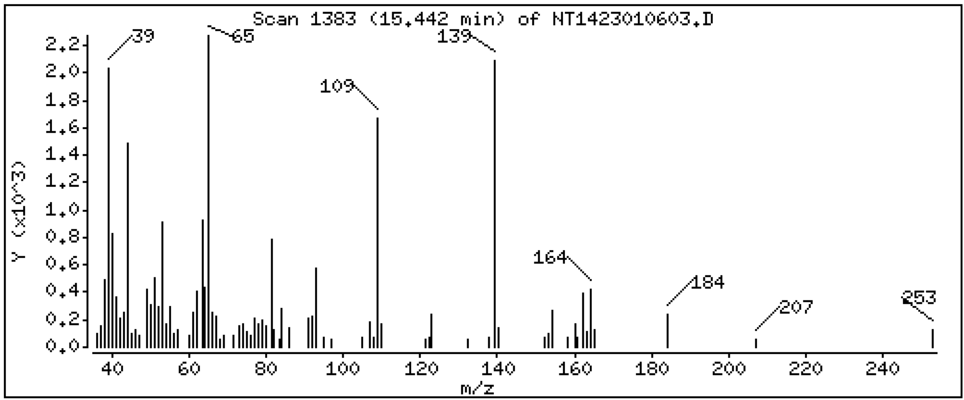
Client ID: Instrument: nt14.i

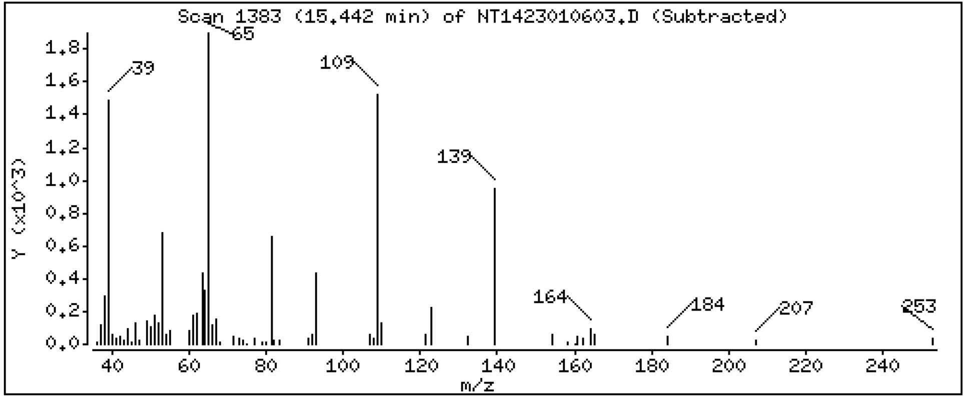
Sample Info: SLA0068-LCV1

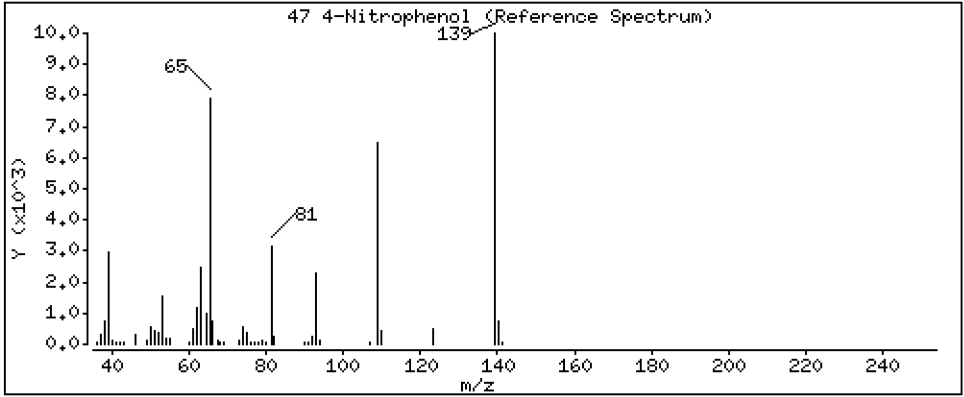
Operator: VTS

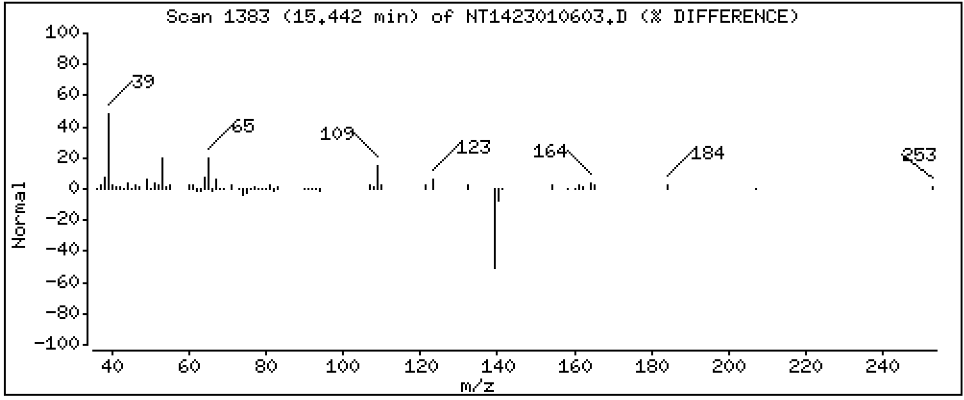
Column phase: ZB-5msi Column diameter: 0.25

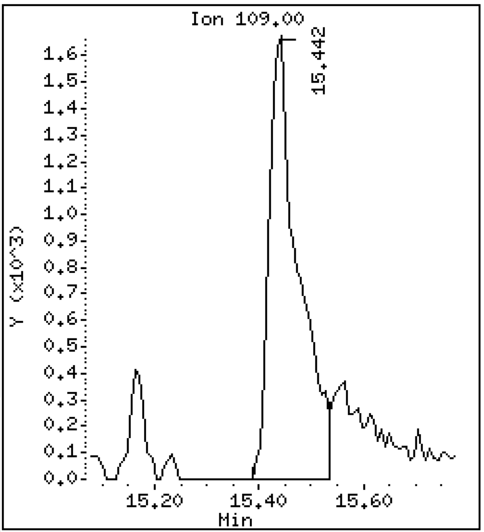
47 4-Nitrophenol Concentration: 0.5797 ug/mL

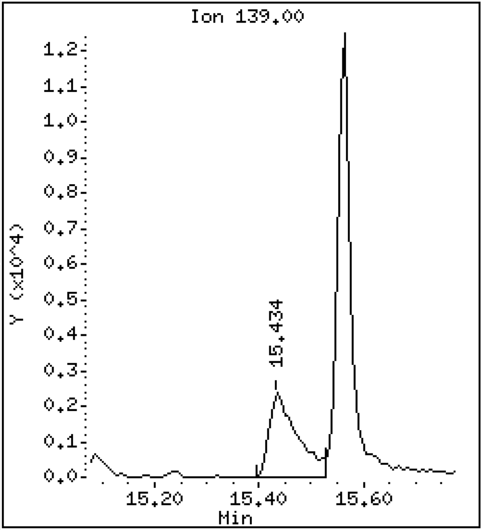

Scan 1383 (15.442 min) of NT1423010603.D


Scan 1383 (15.442 min) of NT1423010603.D (Subtracted)


47 4-Nitrophenol (Reference Spectrum)


Scan 1383 (15.442 min) of NT1423010603.D (% DIFFERENCE)


Ion 109.00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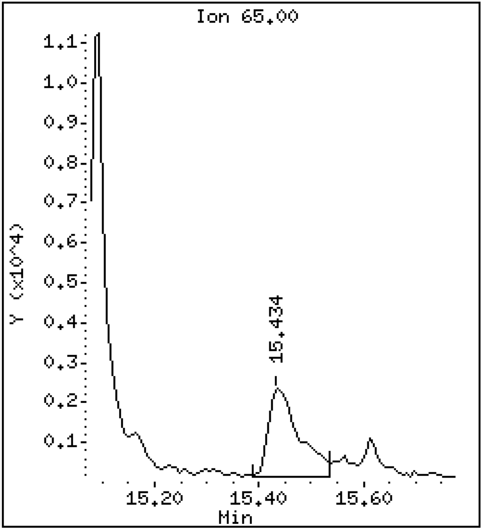
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Date : 06-JAN-2023 12:48

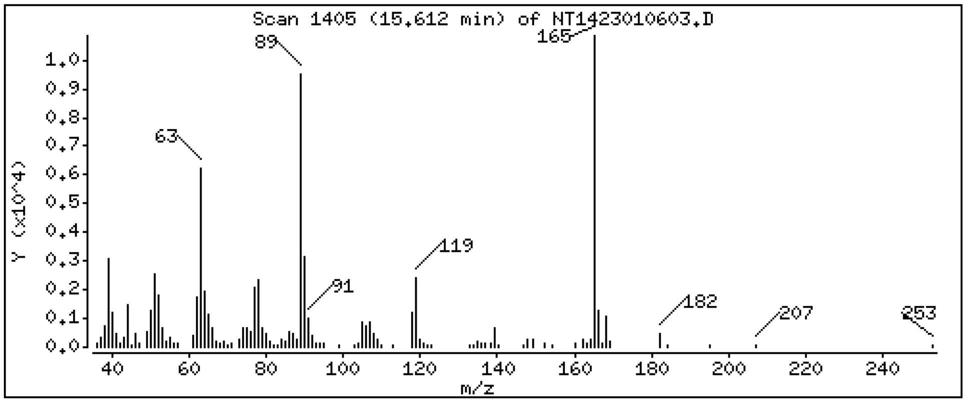
Client ID: Instrument: nt14.i

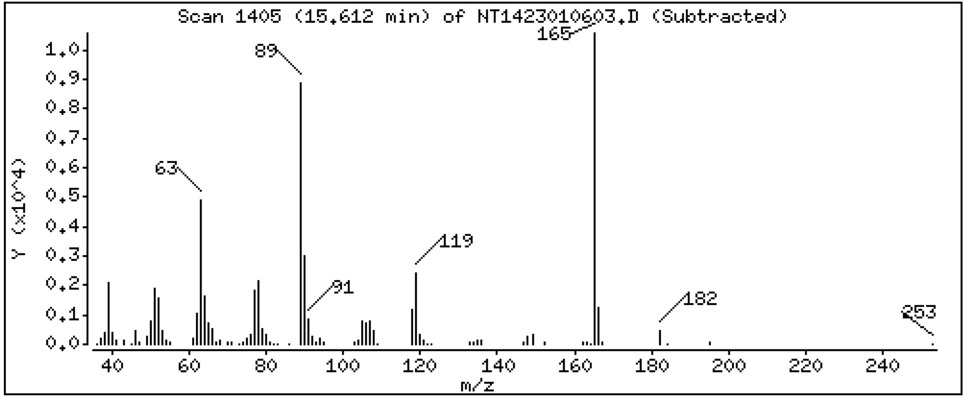
Sample Info: SLA0068-LCV1

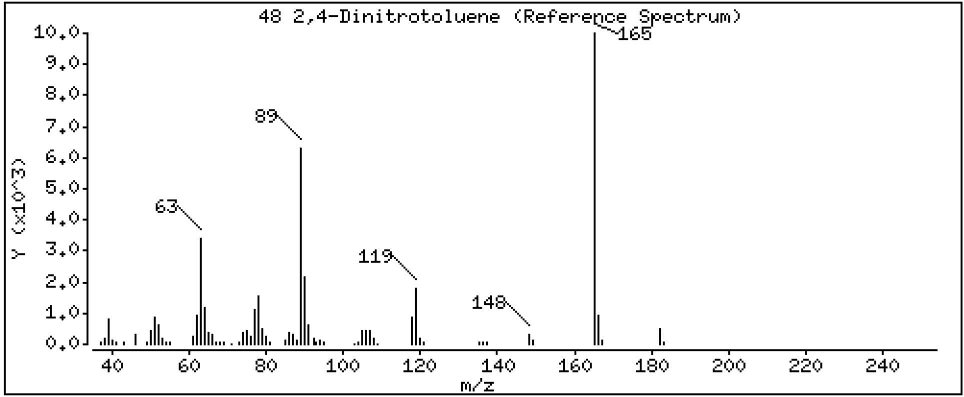
Operator: VTS

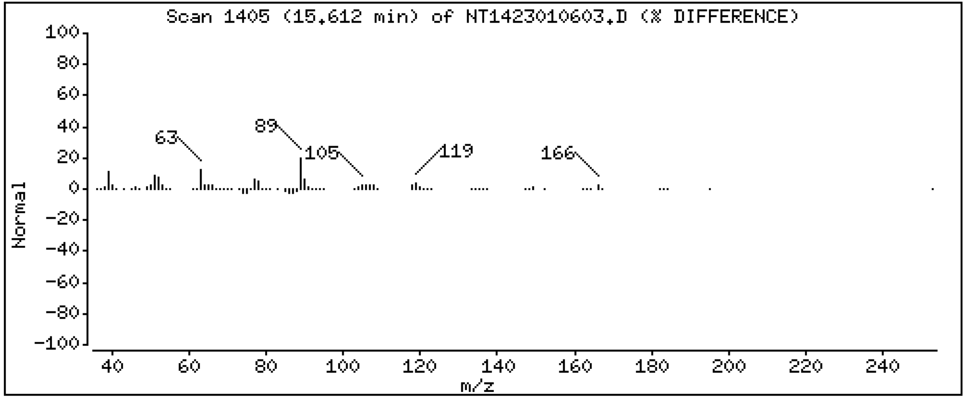
Column phase: ZB-5msi Column diameter: 0.25

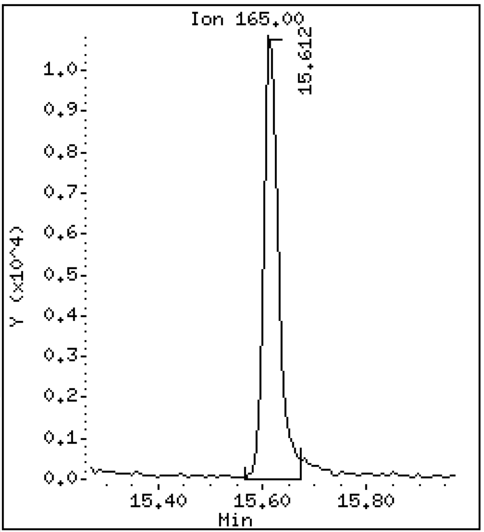
48 2,4-Dinitrotoluene Concentration: 0.7878 ug/mL

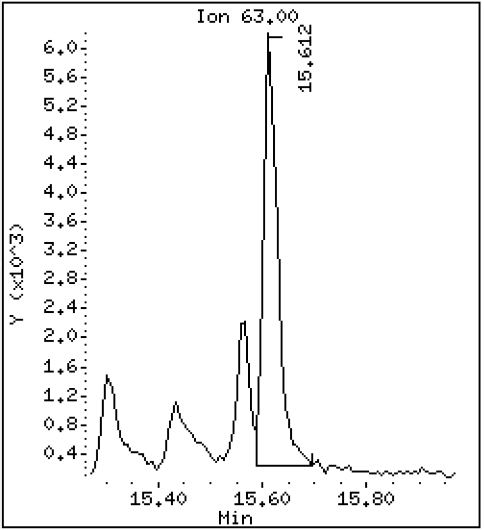


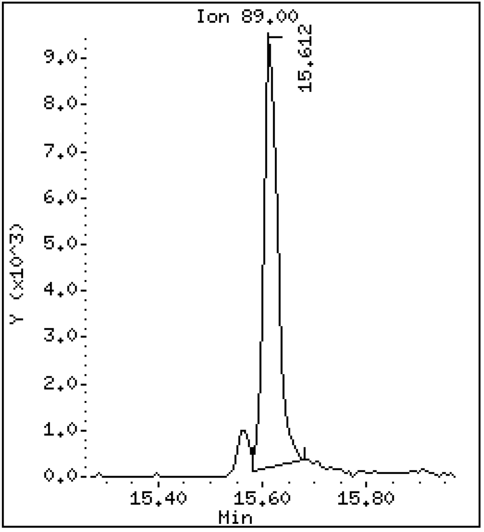












Data File: \\target\share\chem3\nt14.i\20230106.b\NT1423010603.D

Date : 06-JAN-2023 12:48

Client ID:

Instrument: nt14.i

Sample Info: SLA0068-LCV1

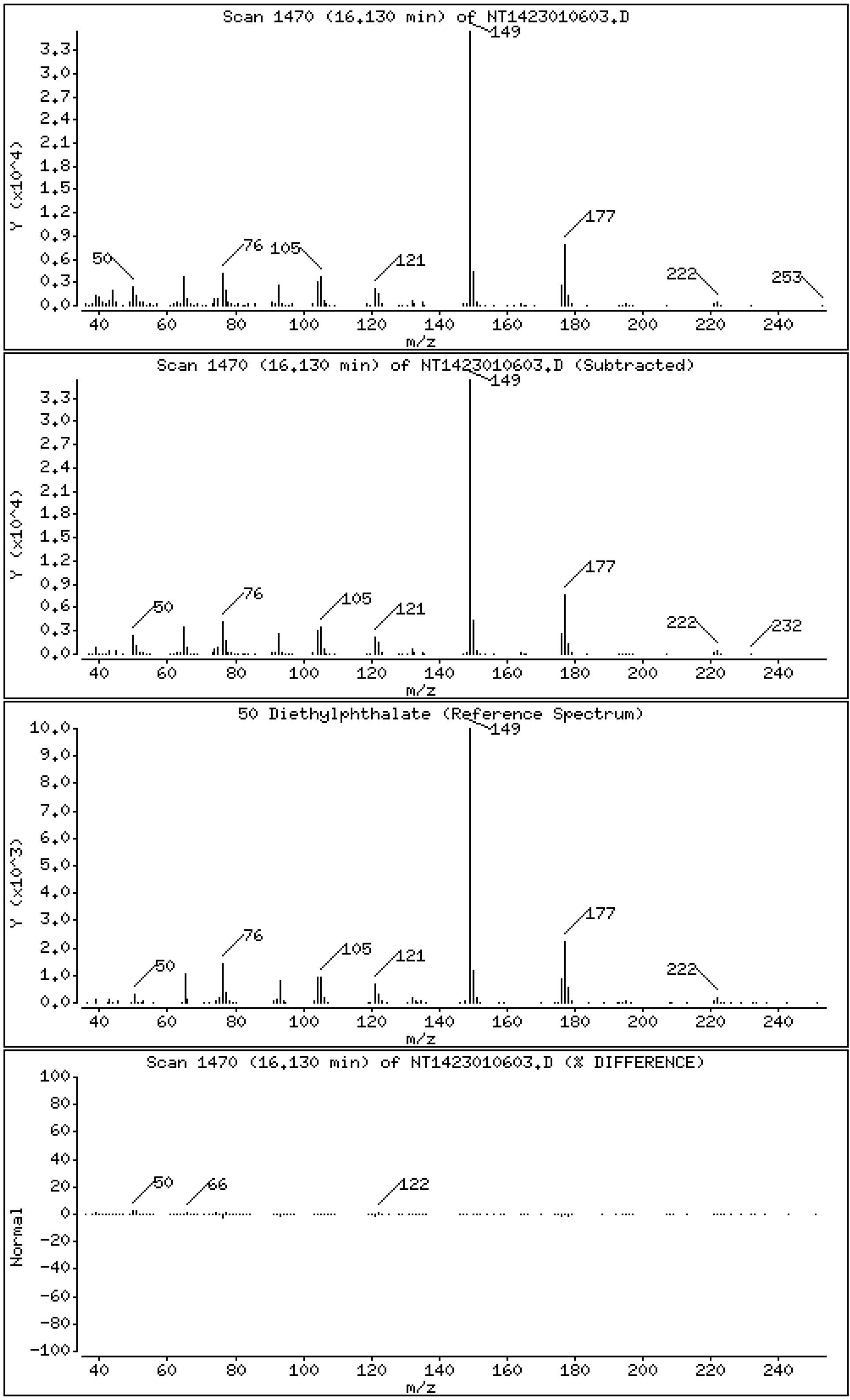
Operator: VTS

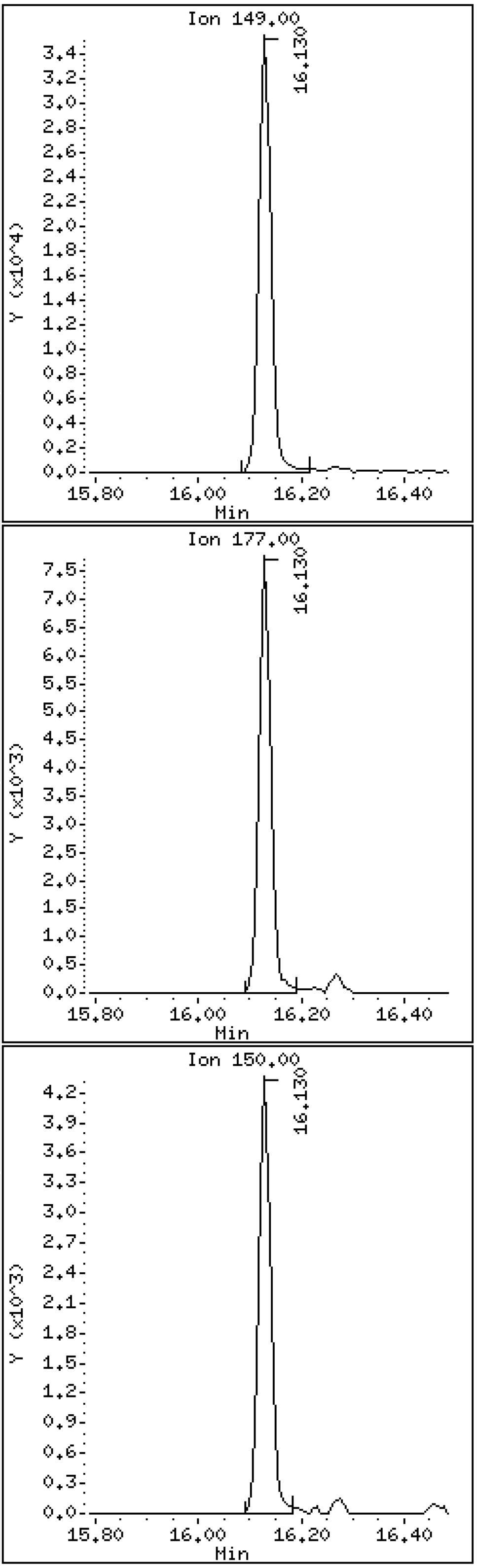
Column phase: ZB-5msi

Column diameter: 0.25

50 Diethylphthalate

Concentration: 0.5351 ug/mL





Date : 06-JAN-2023 12:48

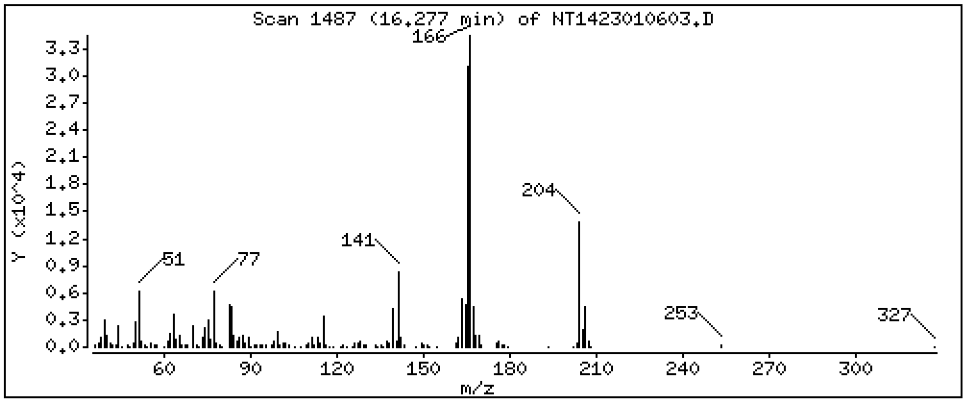
Client ID: Instrument: nt14.i

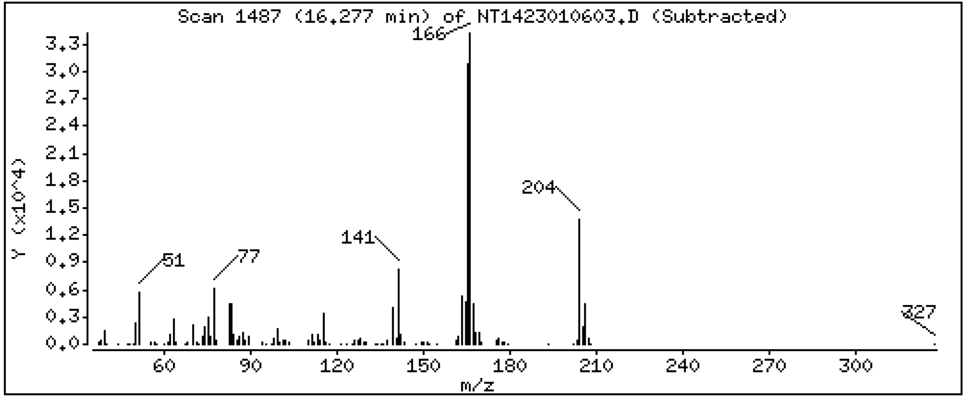
Sample Info: SLA0068-LCV1

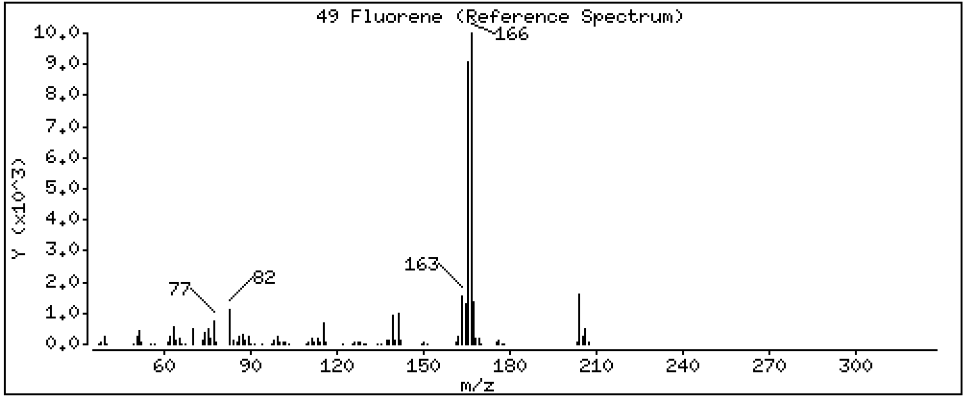
Operator: VTS

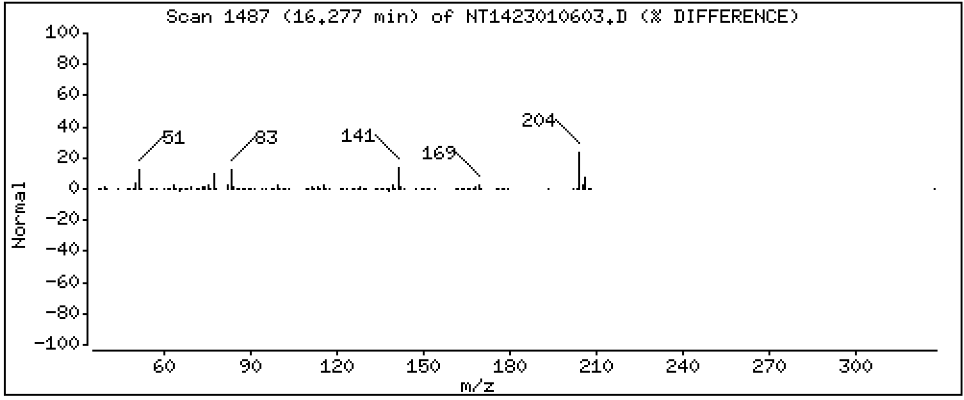
Column phase: ZB-5msi Column diameter: 0.25

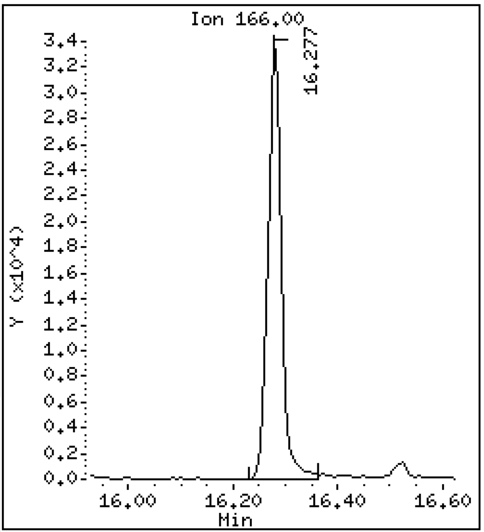
49 Fluorene Concentration: 0.4623 ug/mL

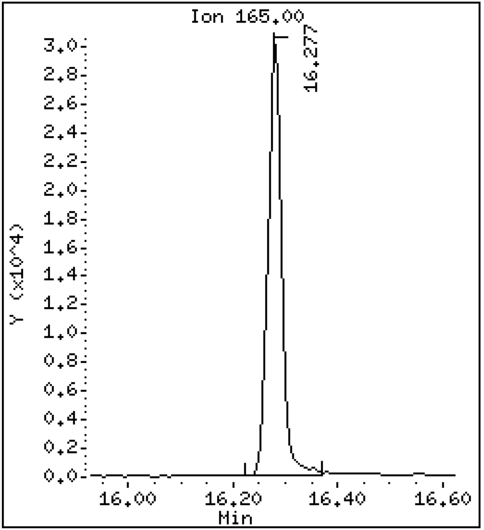


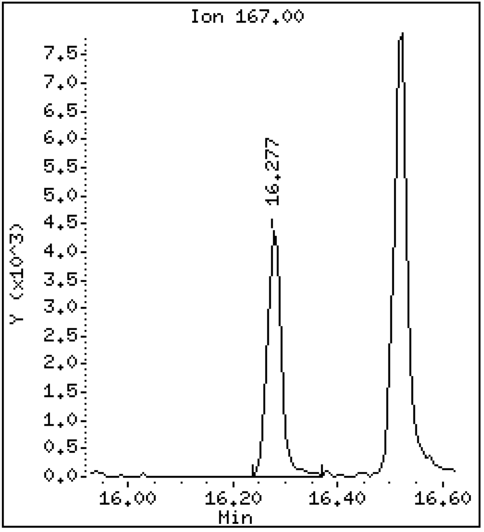












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Date : 06-JAN-2023 12:48

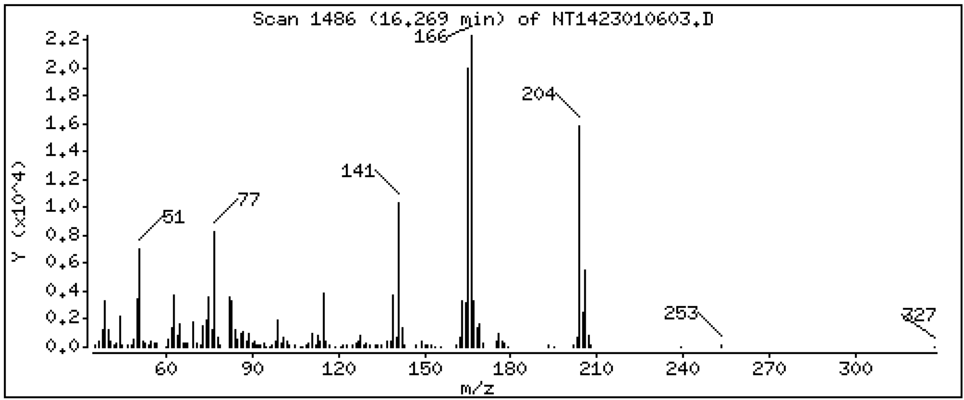
Client ID: Instrument: nt14.i

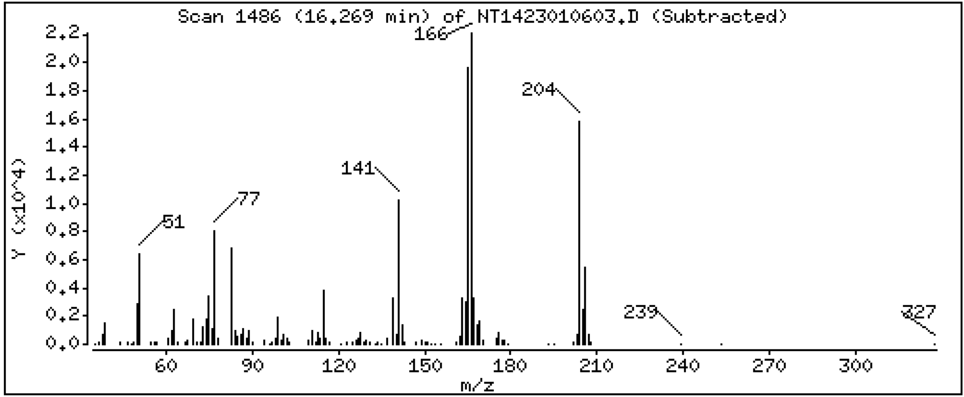
Sample Info: SLA0068-LCV1

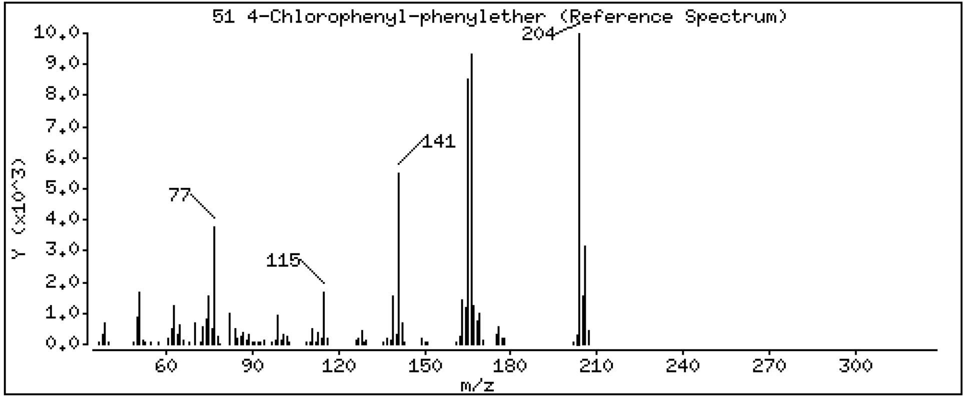
Operator: VTS

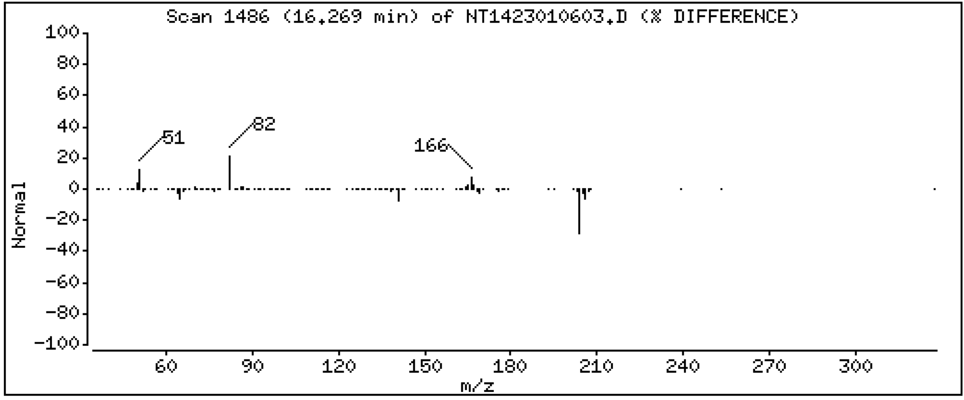
Column phase: ZB-5msi Column diameter: 0.25

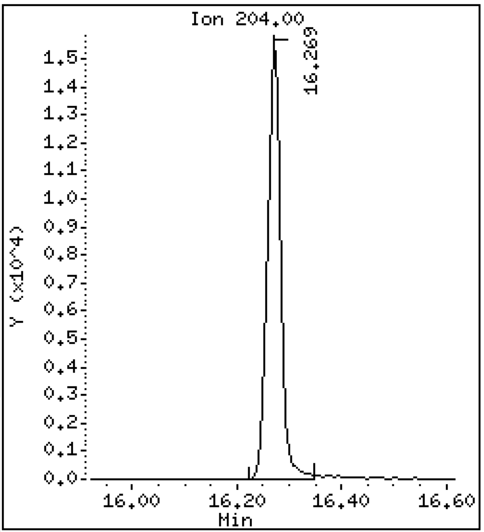
51 4-Chlorophenyl-phenylether Concentration: 0.4223 ug/mL

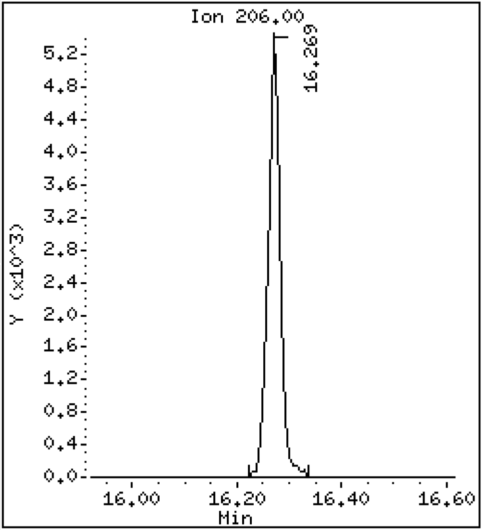


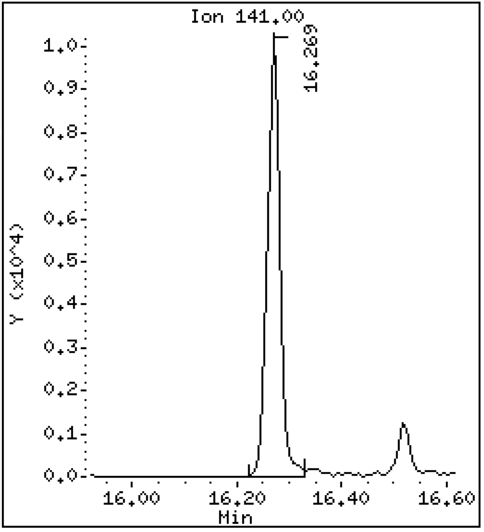












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Date : 06-JAN-2023 12:48

Client ID:

Instrument: nt14.i

Sample Info: SLA0068-LCV1

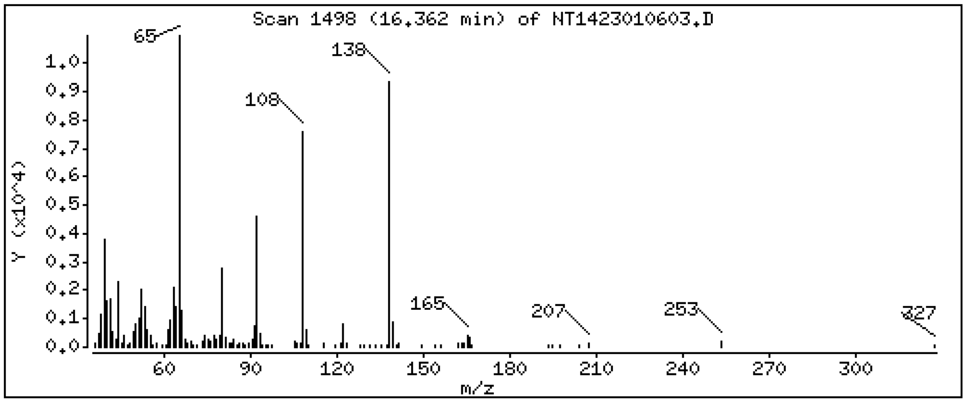
Operator: VTS

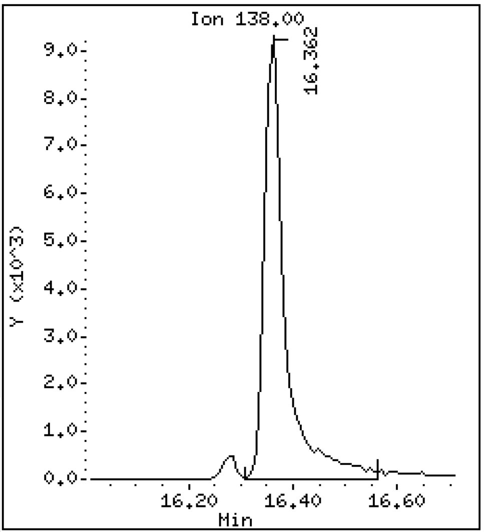
Column phase: ZB-5msi

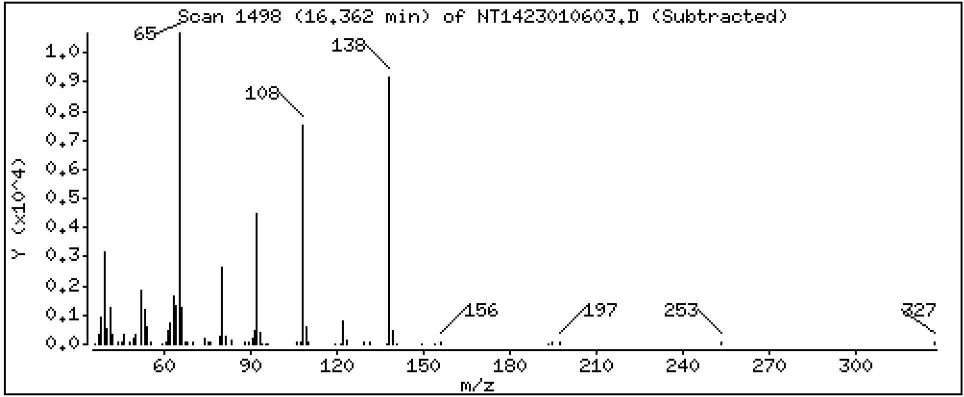
Column diameter: 0.25

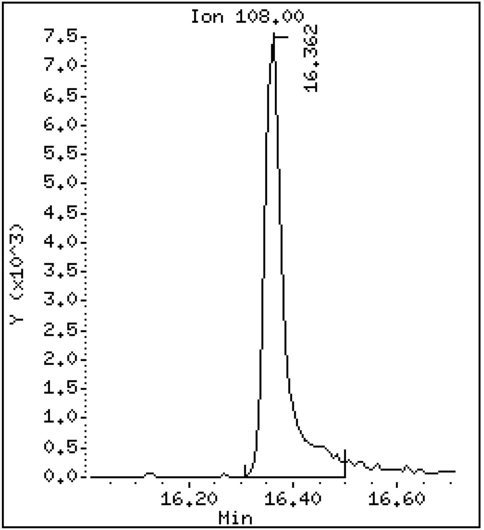
52 4-Nitroaniline

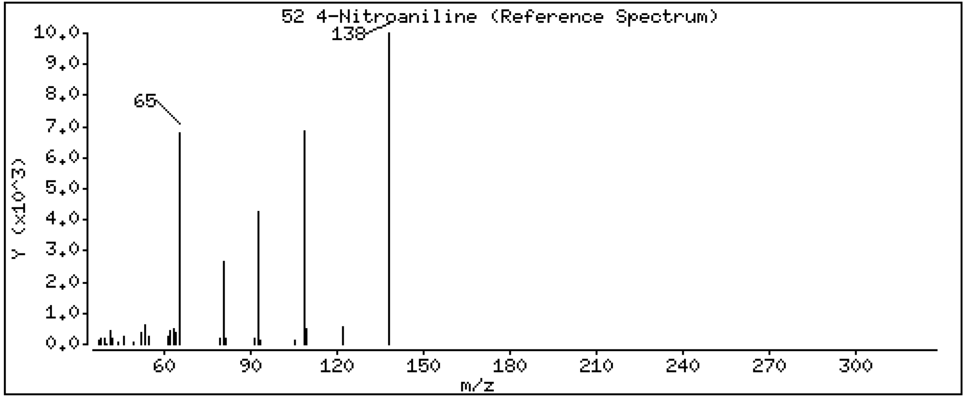
Concentration: 0.8951 ug/mL

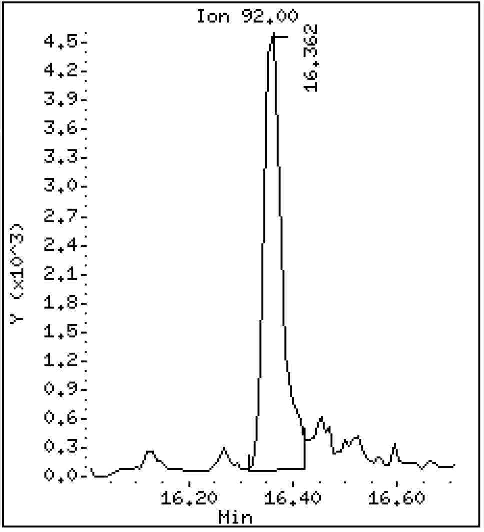


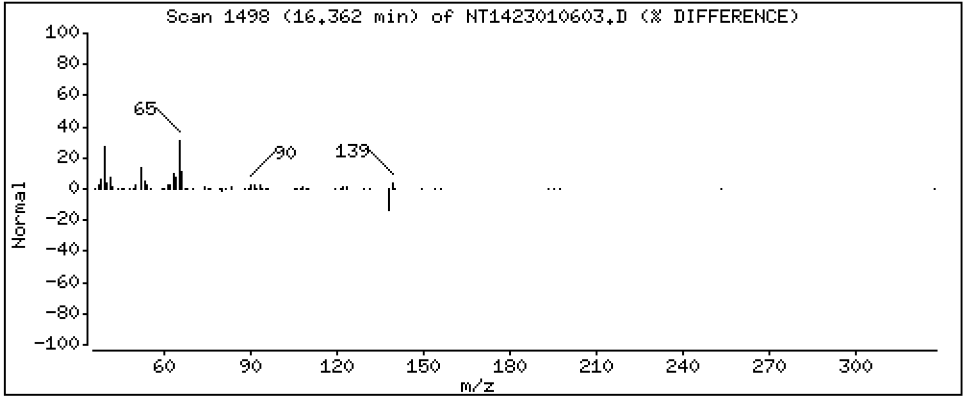












Date : 06-JAN-2023 12:48

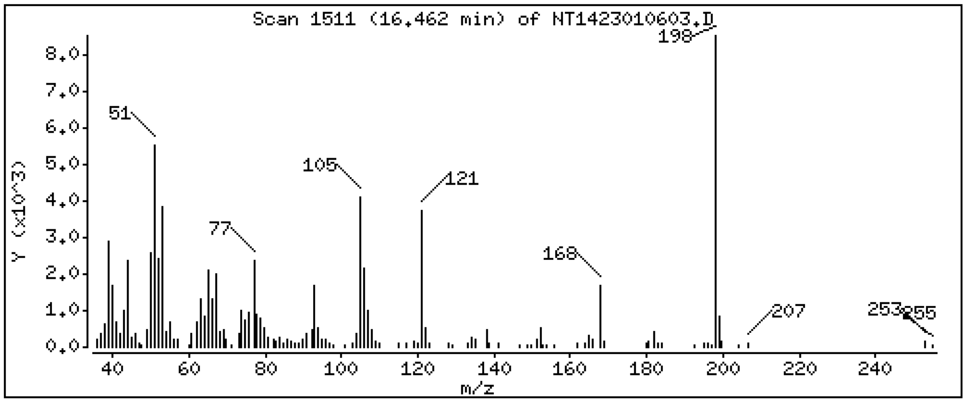
Client ID: Instrument: nt14.i

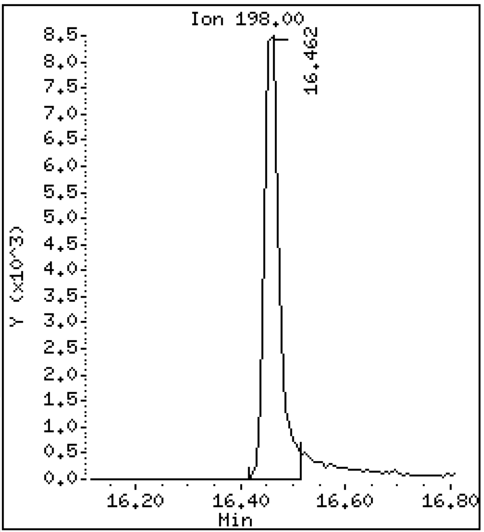
Sample Info: SLA0068-LCV1

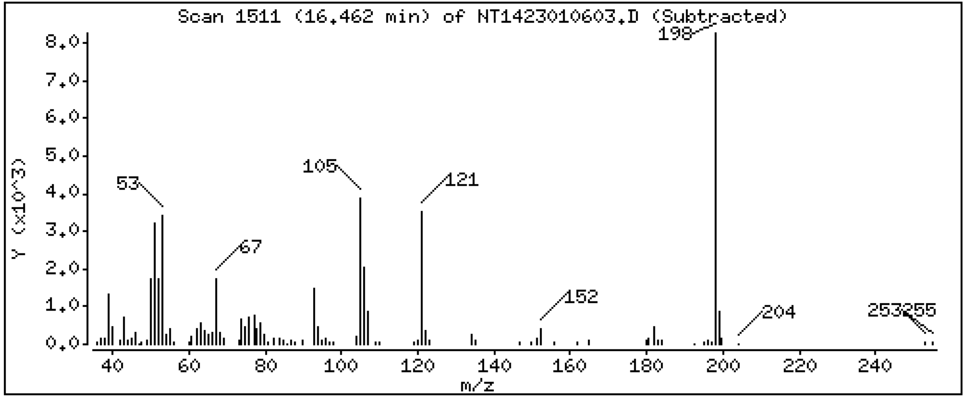
Operator: VTS

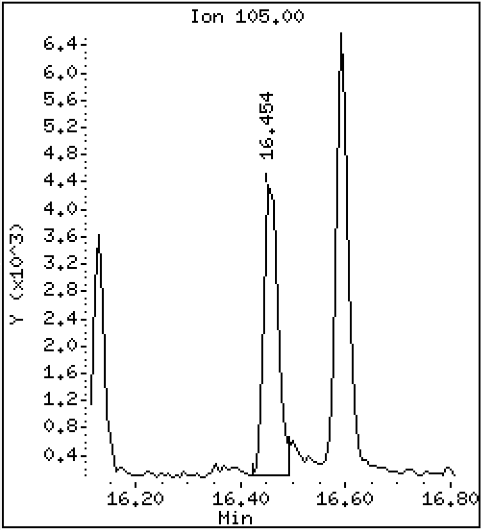
Column phase: ZB-5msi Column diameter: 0.25

53 4,6-Dinitro-2-methylphenol Concentration: 0.7687 ug/mL


Scan 1511 (16.462 min) of NT1423010603.D


Ion 198.00


Scan 1511 (16.462 min) of NT1423010603.D (Subtracted)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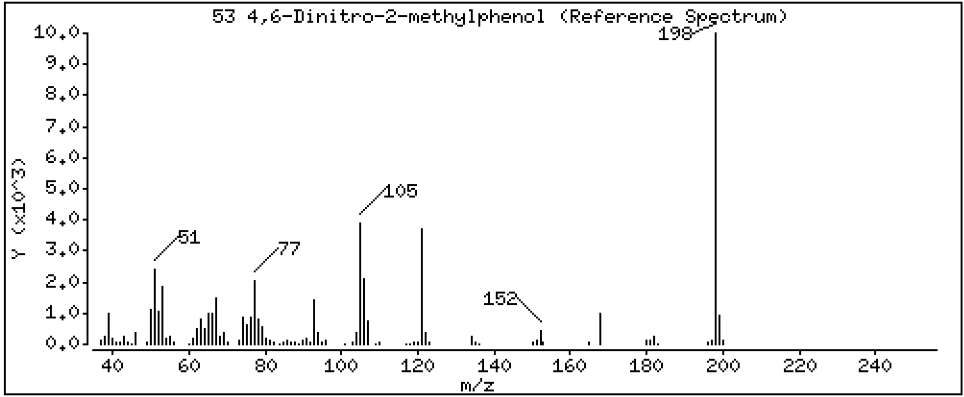
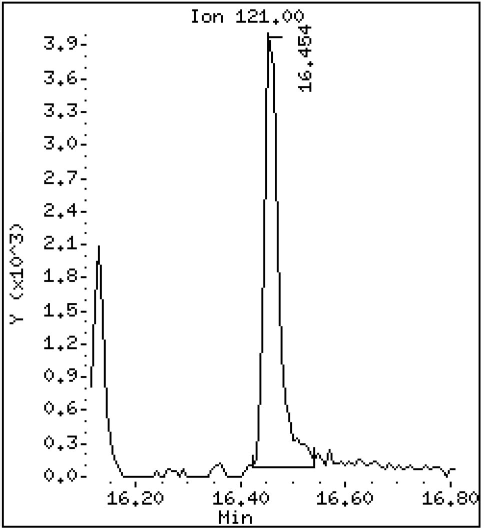
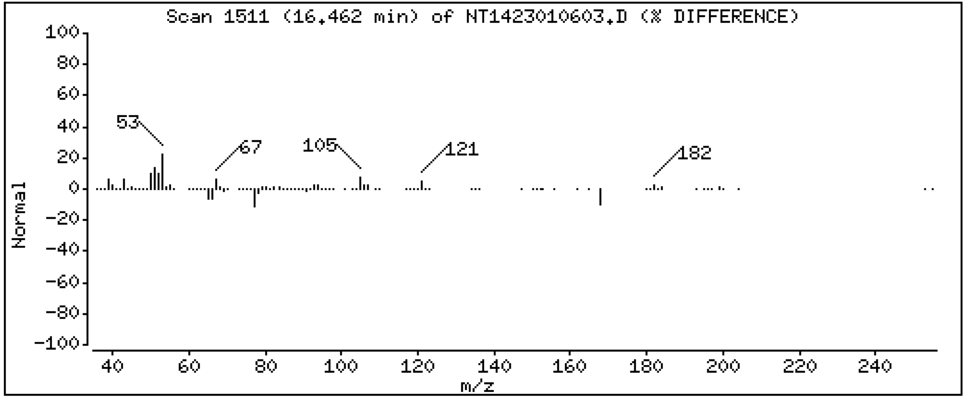

53 4,6-Dinitro-2-methylphenol (Reference Spectrum)


Ion 121.00


Scan 1511 (16.462 min) of NT1423010603.D (% DIFFERENCE)

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Date : 06-JAN-2023 12:48

Client ID:

Instrument: nt14.i

Sample Info: SLA0068-LCV1

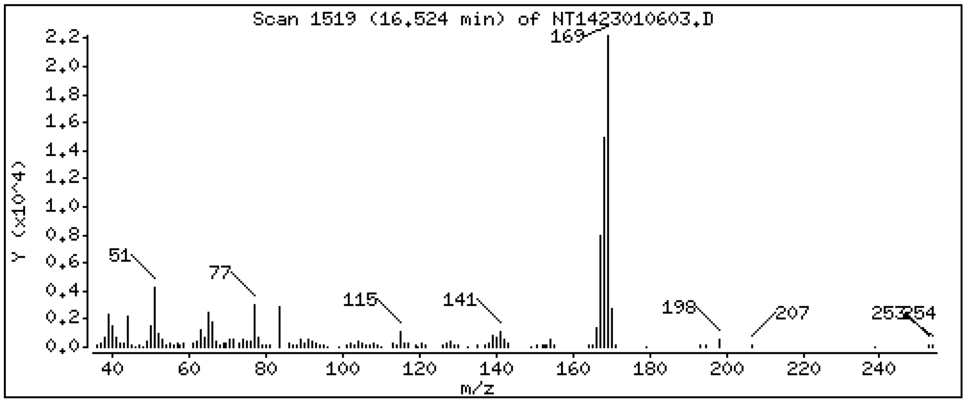
Operator: VTS

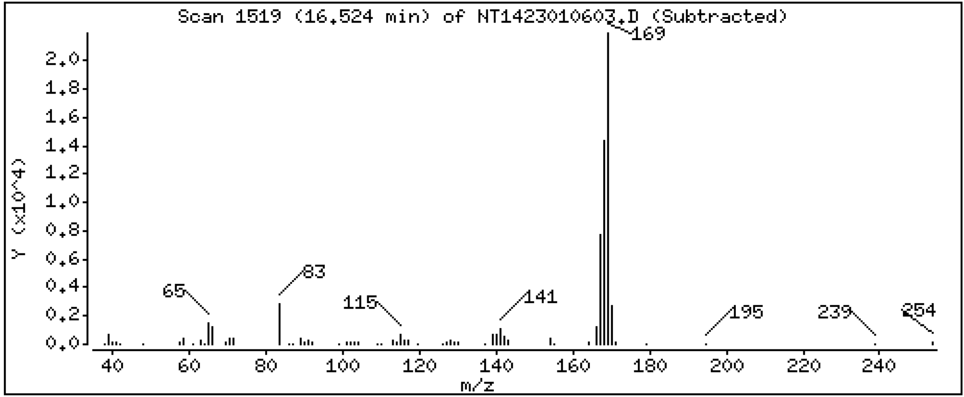
Column phase: ZB-5msi

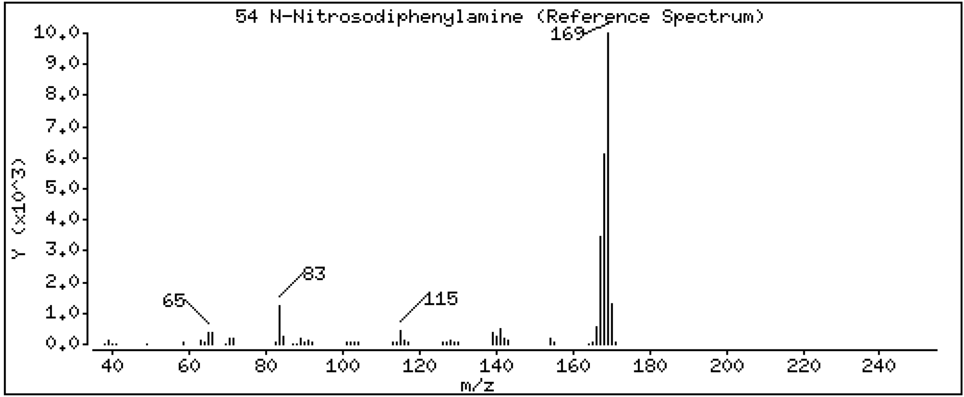
Column diameter: 0.25

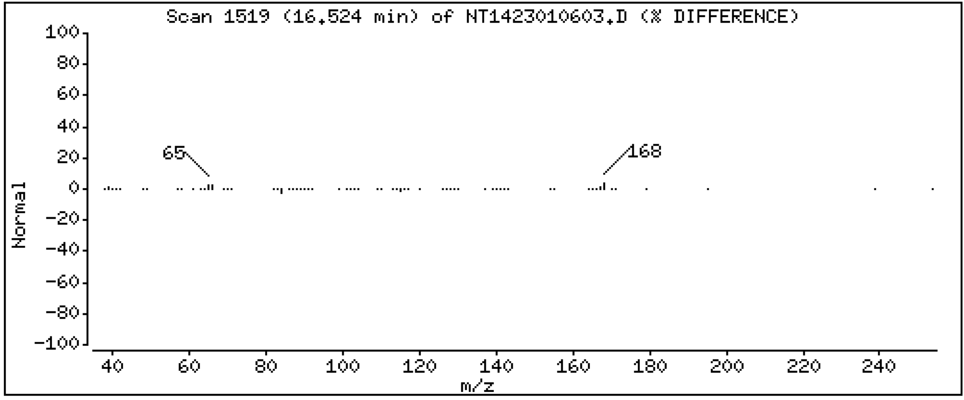
54 N-Nitrosodiphenylamine

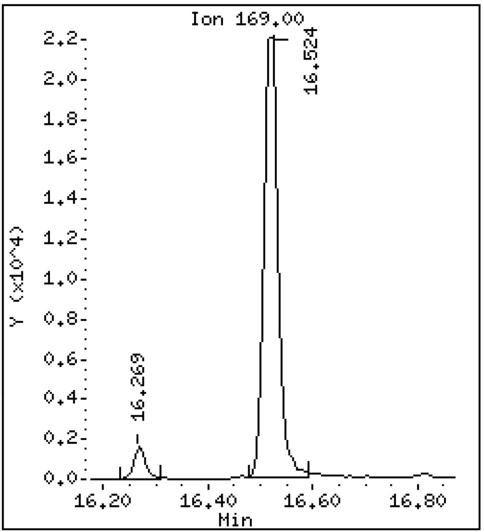
Concentration: 0.4513 ug/mL

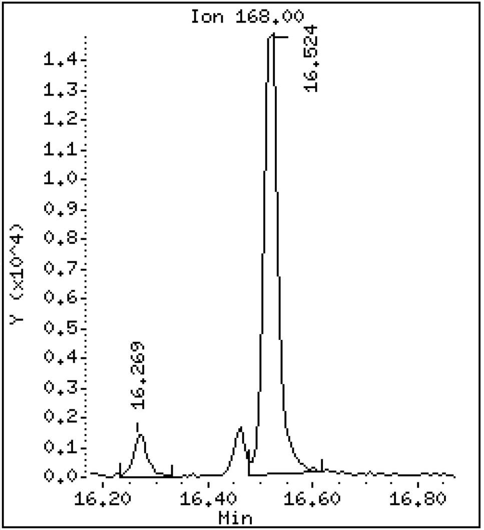


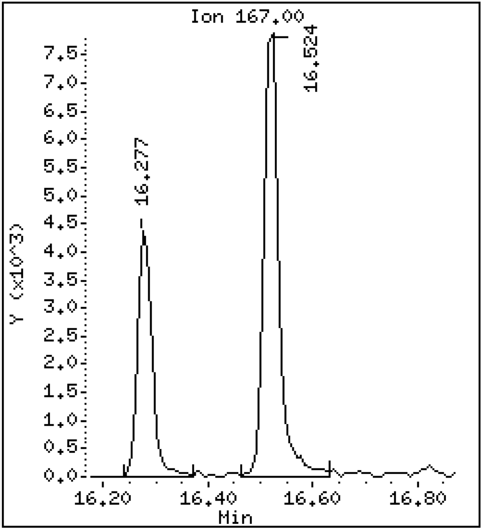












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Date : 06-JAN-2023 12:48

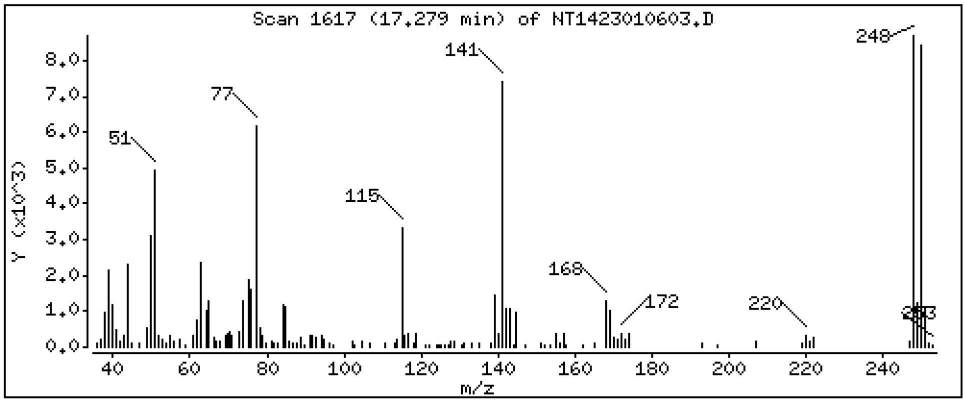
Client ID: Instrument: nt14.i

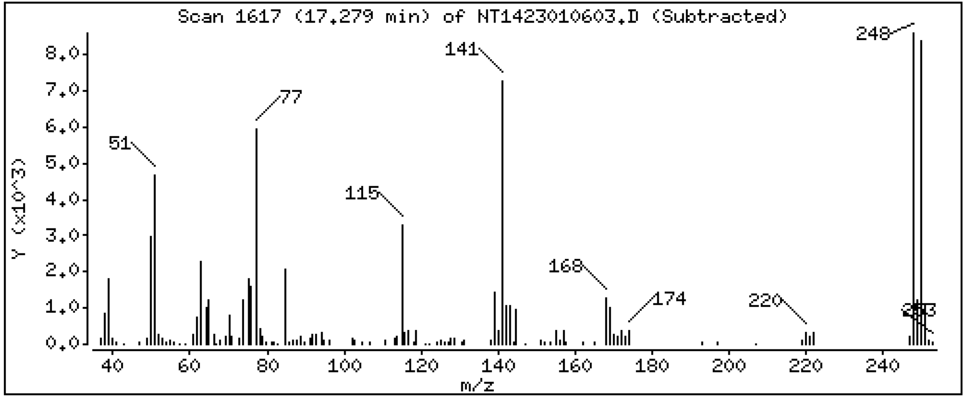
Sample Info: SLA0068-LCV1

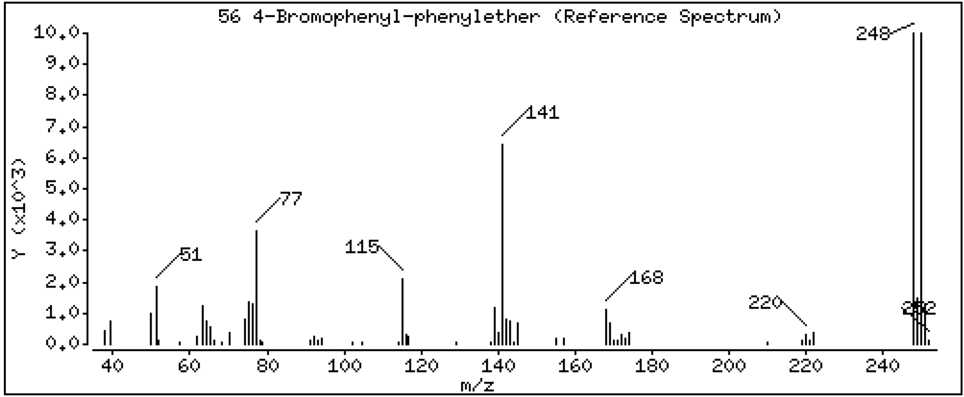
Operator: VTS

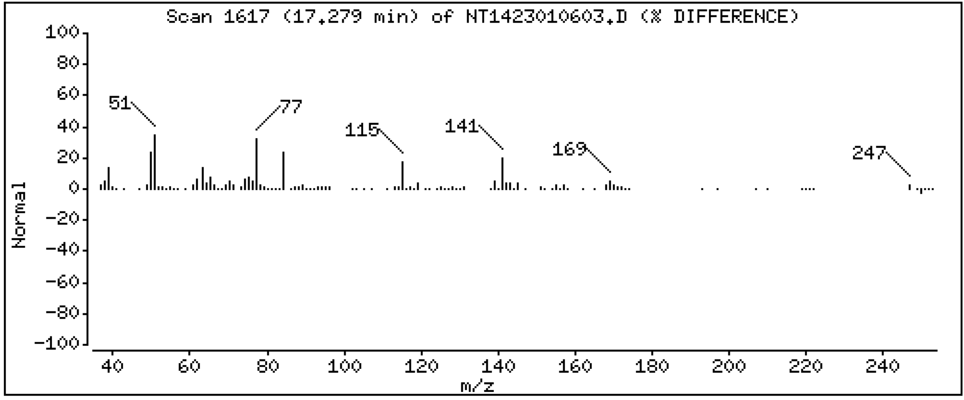
Column phase: ZB-5msi Column diameter: 0.25

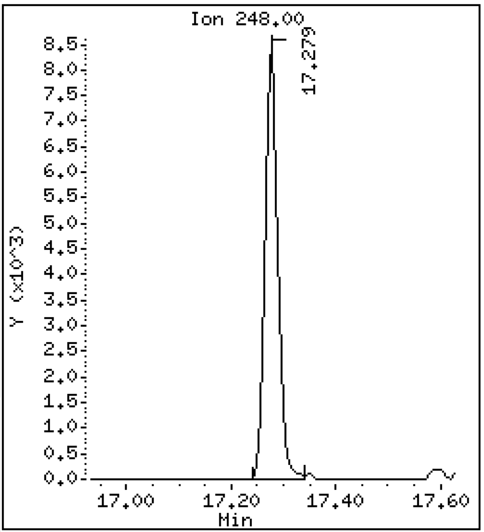
56 4-Bromophenyl-phenylether Concentration: 0.4297 ug/mL

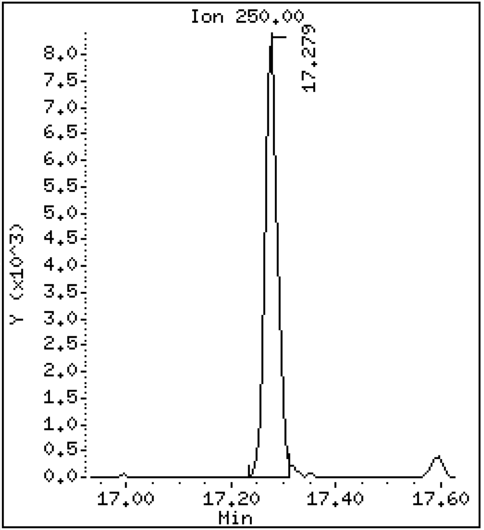

Scan 1617 (17.279 min) of NT1423010603.D

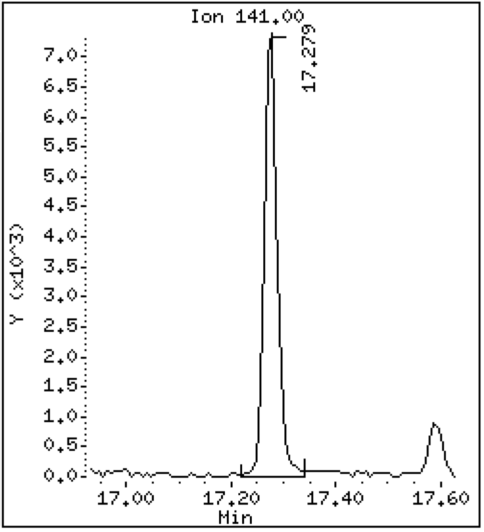

Scan 1617 (17.279 min) of NT1423010603.D (Subtracted)


56 4-Bromophenyl-phenylether (Reference Spectrum)


Scan 1617 (17.279 min) of NT1423010603.D (% DIFFERENCE)


Ion 248.00


Ion 250.00


Ion 141.00

Data File: \\target\share\chem3\nt14.i\20230106.b\NT1423010603.D

Date : 06-JAN-2023 12:48

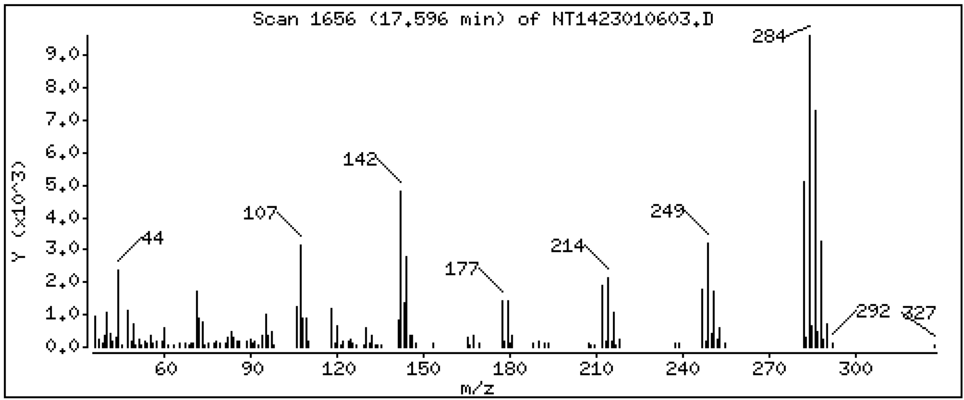
Client ID: Instrument: nt14.i

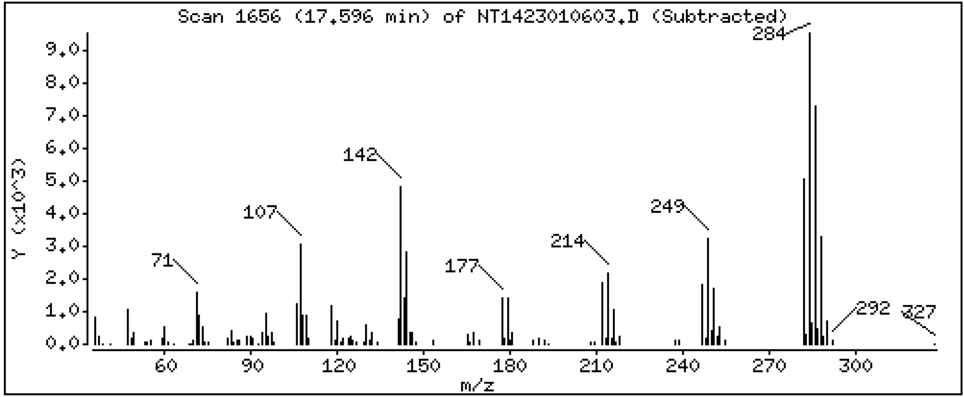
Sample Info: SLA0068-LCV1

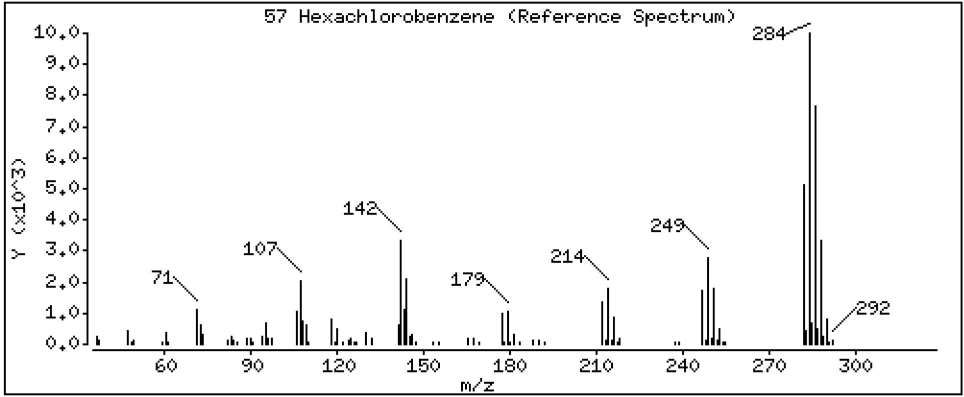
Operator: VTS

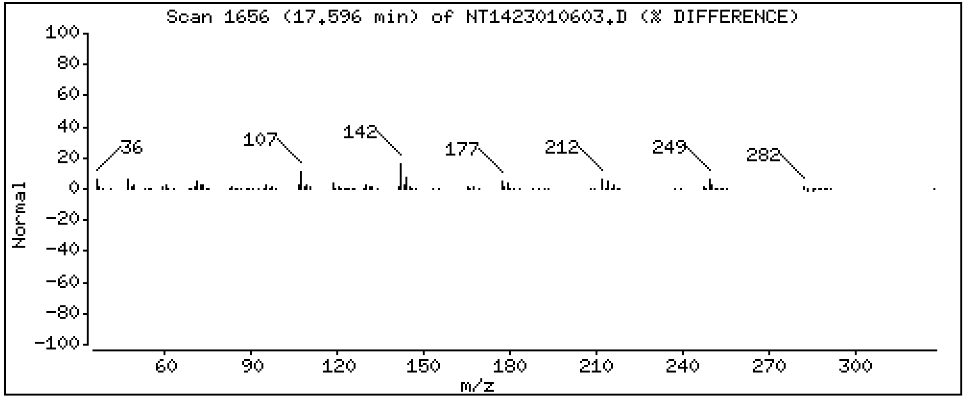
Column phase: ZB-5msi Column diameter: 0.25

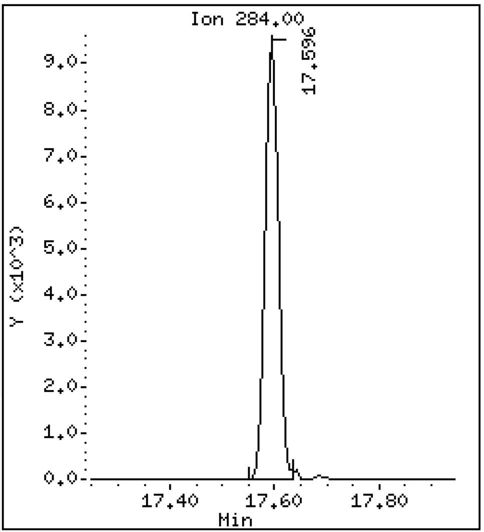
57 Hexachlorobenzene Concentration: 0.4433 ug/mL

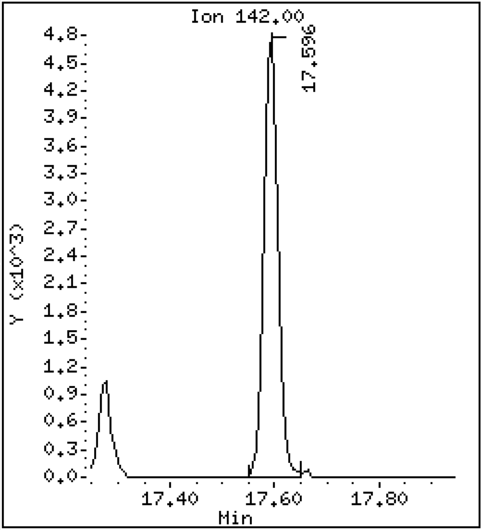

Scan 1656 (17.596 min) of NT1423010603.D

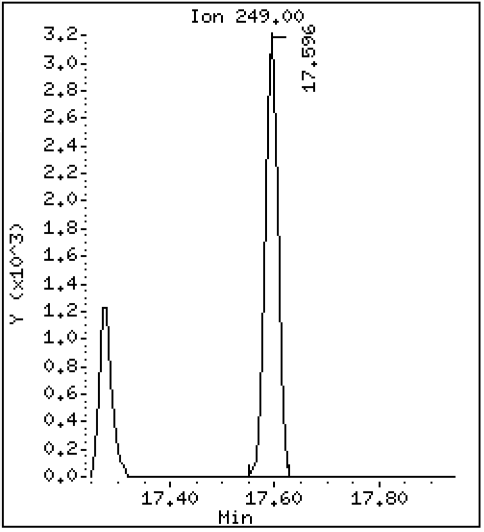

Scan 1656 (17.596 min) of NT1423010603.D (Subtracted)


57 Hexachlorobenzene (Reference Spectrum)


Scan 1656 (17.596 min) of NT1423010603.D (% DIFFERENCE)


Ion 284.00


Ion 142.00


Ion 249.00

Data File: \\target\share\chem3\nt14.i\20230106.b\NT1423010603.D

Date : 06-JAN-2023 12:48

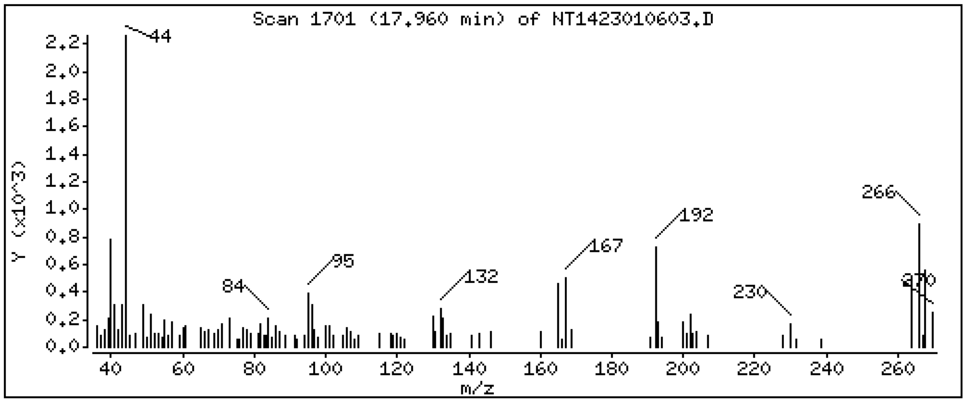
Client ID: Instrument: nt14.i

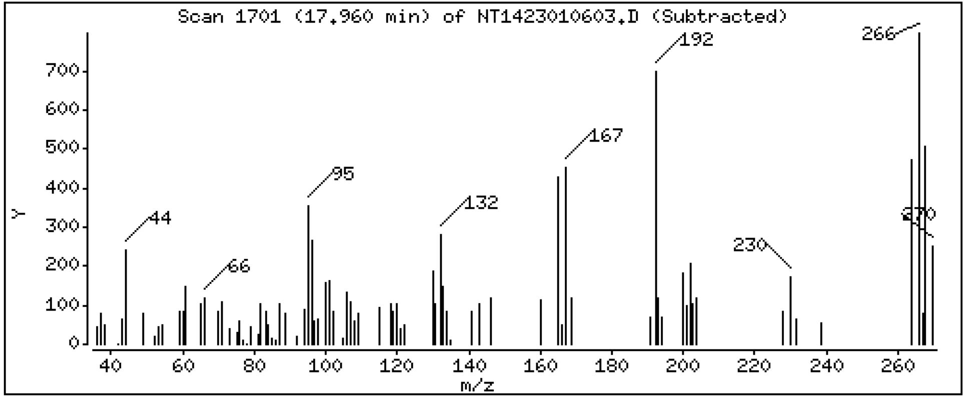
Sample Info: SLA0068-LCV1

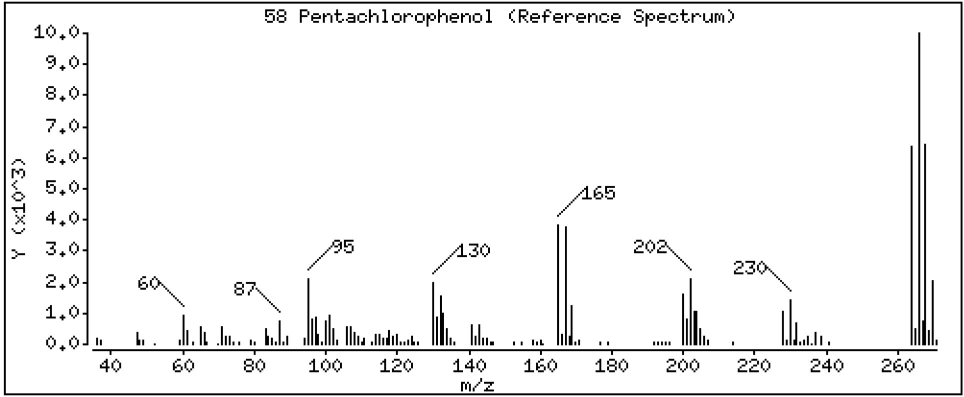
Operator: VTS

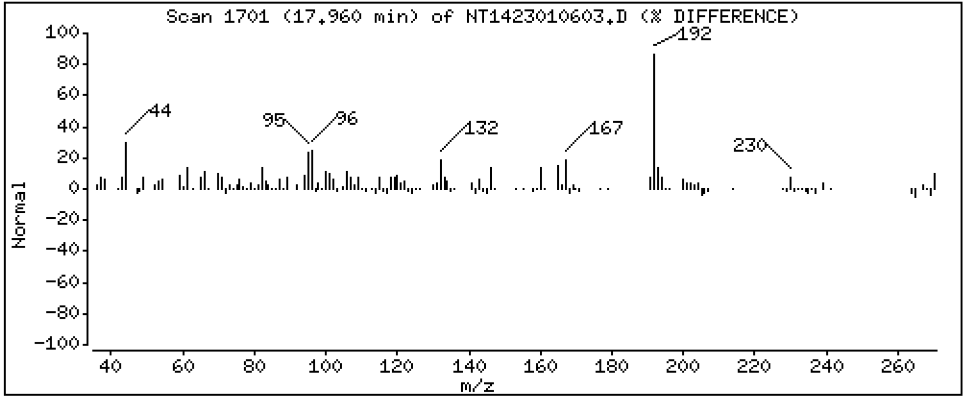
Column phase: ZB-5msi Column diameter: 0.25

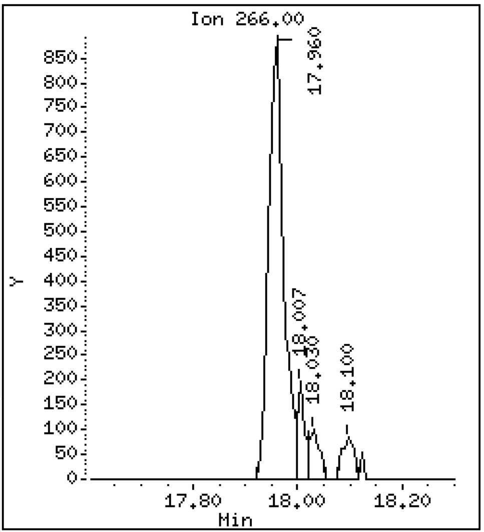
58 Pentachlorophenol Concentration: 0.1118 ug/mL

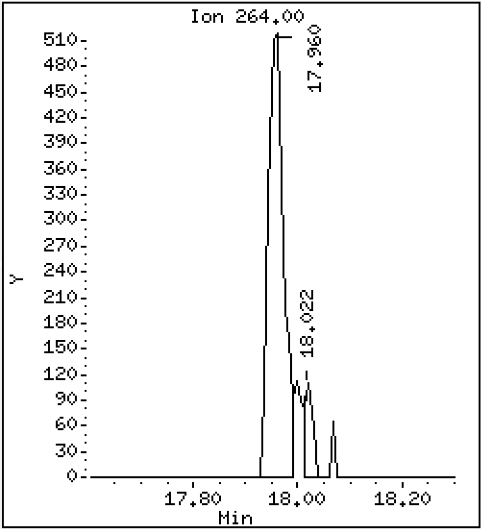

Scan 1701 (17.960 min) of NT1423010603.D

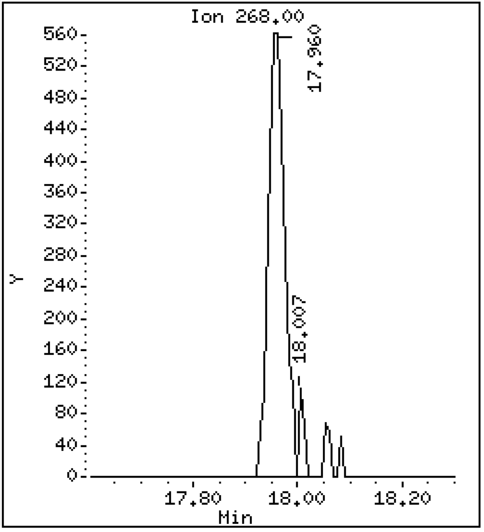

Scan 1701 (17.960 min) of NT1423010603.D (Subtracted)


58 Pentachlorophenol (Reference Spectrum)


Scan 1701 (17.960 min) of NT1423010603.D (% DIFFERENCE)


Ion 266.00


Ion 264.00


Ion 268.00

Data File: \\target\share\chem3\nt14.i\20230106.b\NT1423010603.D

Date : 06-JAN-2023 12:48

Client ID:

Instrument: nt14.i

Sample Info: SLA0068-LCV1

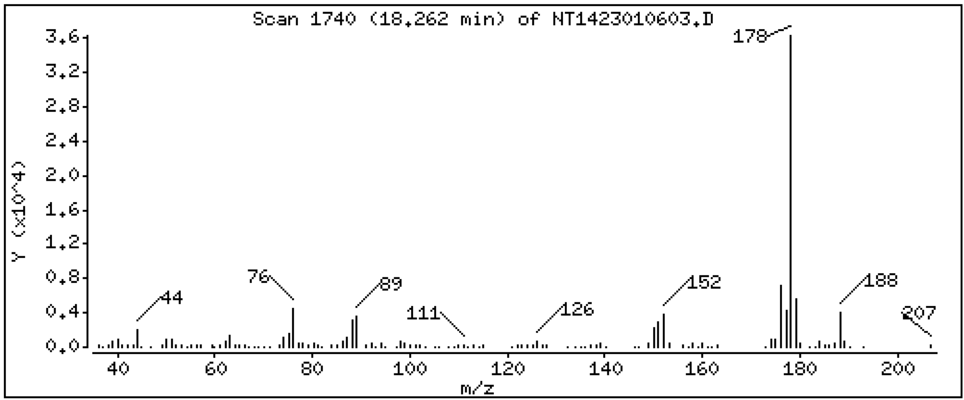
Operator: VTS

Column phase: ZB-5msi

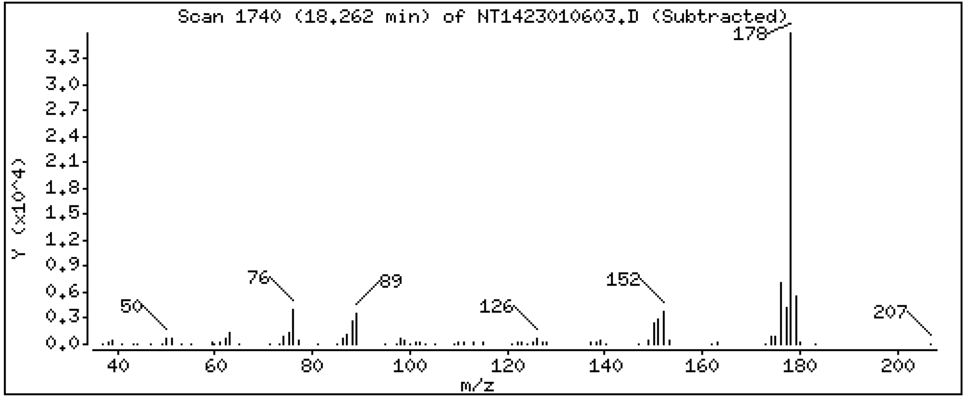
Column diameter: 0.25

60 Phenanthrene

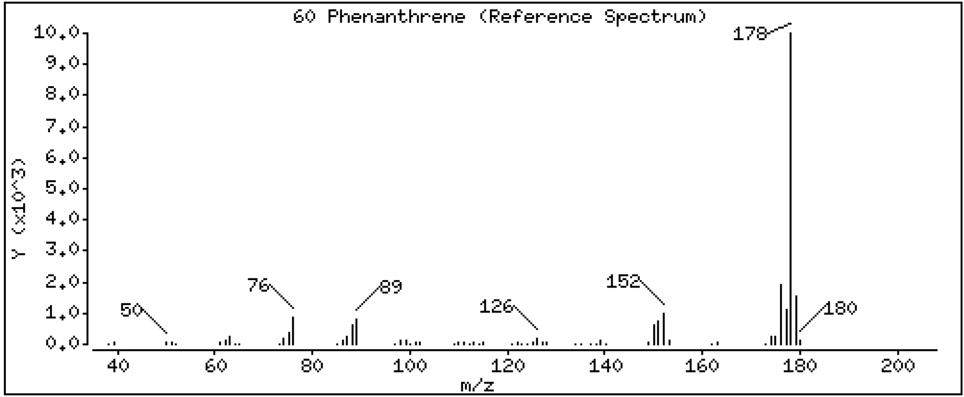
Concentration: 0.4581 ug/mL



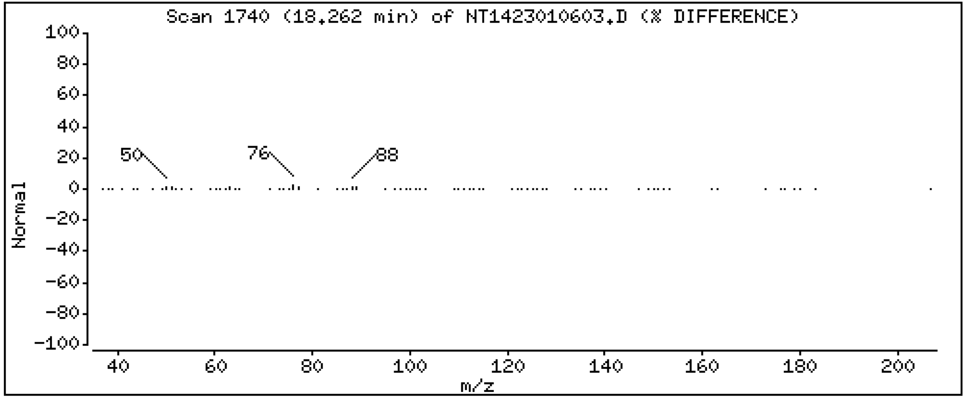
Scan 1740 (18.262 min) of NT1423010603.D



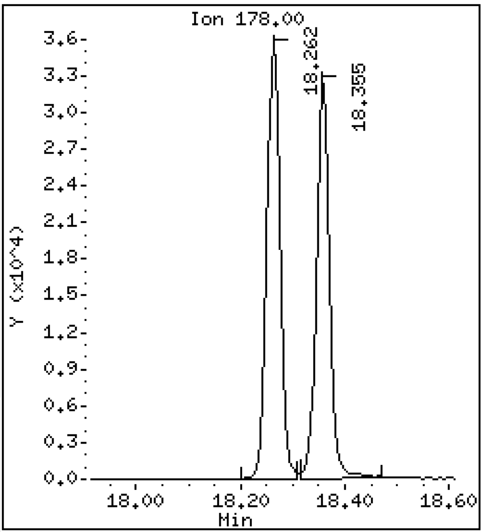
Scan 1740 (18.262 min) of NT1423010603.D (Subtracted)



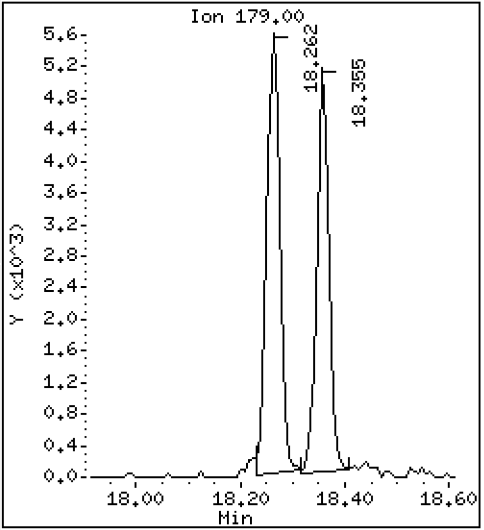
60 Phenanthrene (Reference Spectrum)



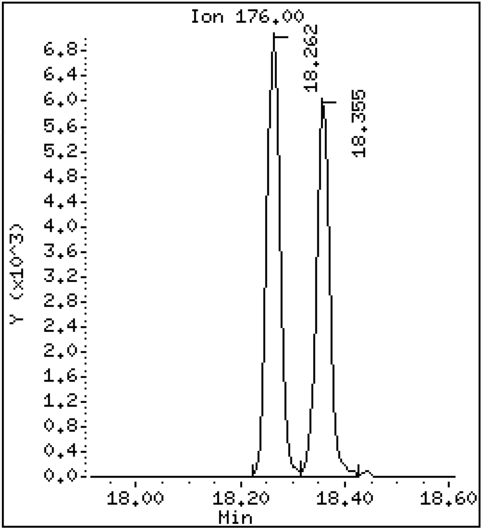
Scan 1740 (18.262 min) of NT1423010603.D (% DIFFERENCE)



Ion 178.00



Ion 179.00



Ion 176.00

Data File: \\target\share\chem3\nt14.i\20230106.b\NT1423010603.D

Date : 06-JAN-2023 12:48

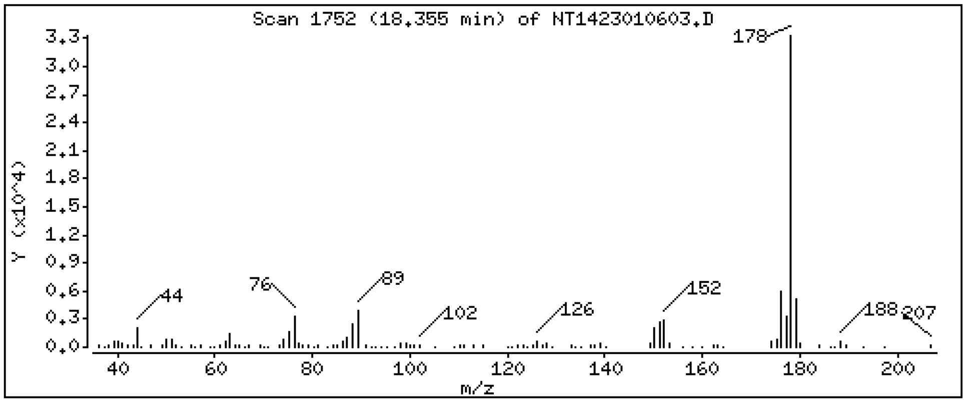
Client ID: Instrument: nt14.i

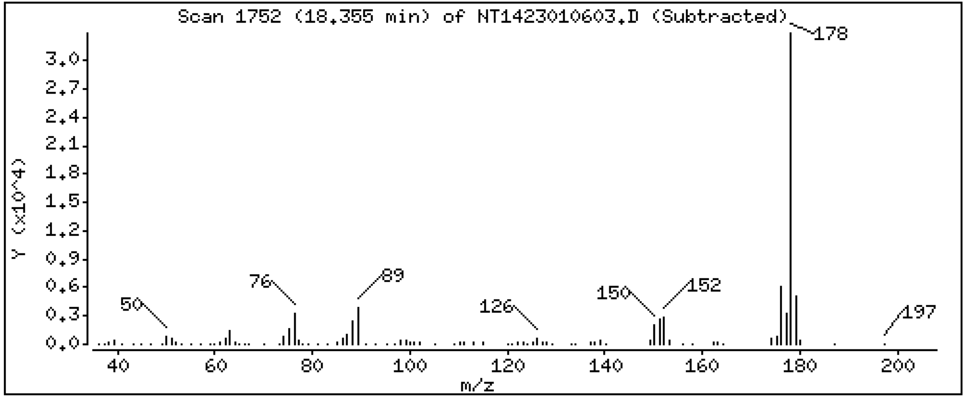
Sample Info: SLA0068-LCV1

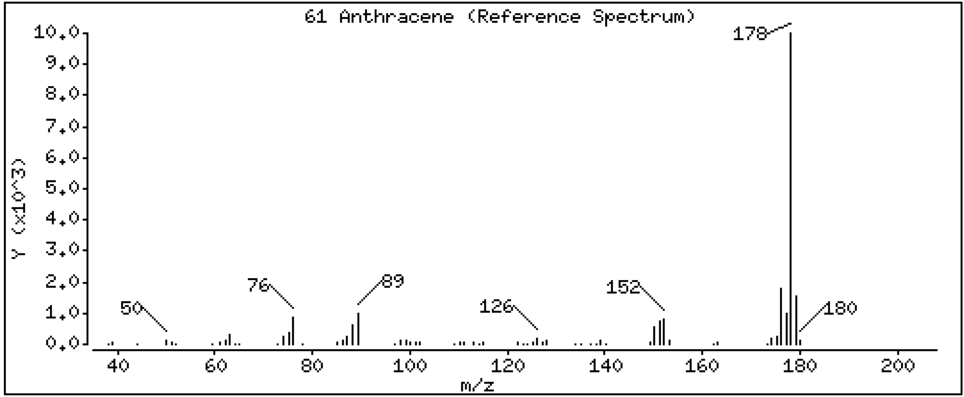
Operator: VTS

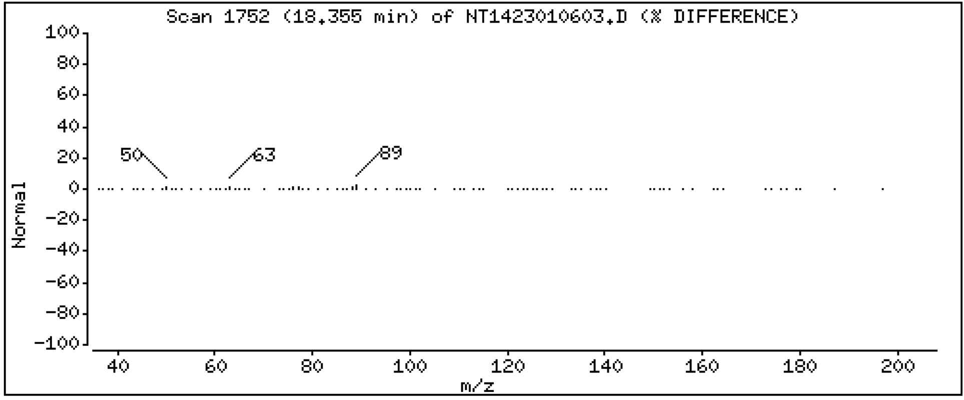
Column phase: ZB-5msi Column diameter: 0.25

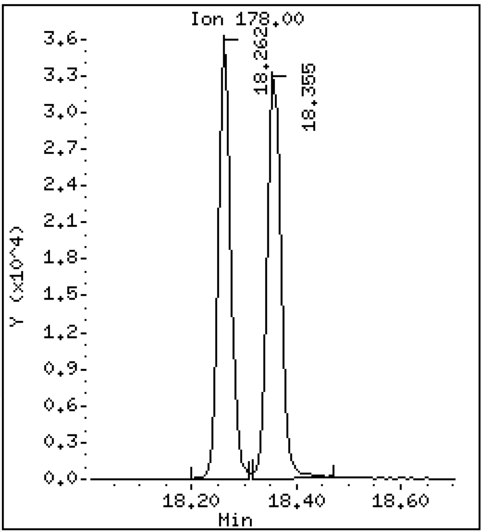
61 Anthracene Concentration: 0.4594 ug/mL


Scan 1752 (18.355 min) of NT1423010603.D


Scan 1752 (18.355 min) of NT1423010603.D (Subtracted)


61 Anthracene (Reference Spectrum)


Scan 1752 (18.355 min) of NT1423010603.D (% DIFFERENCE)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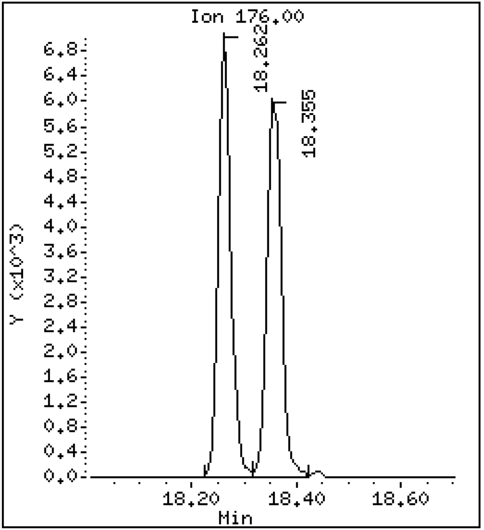
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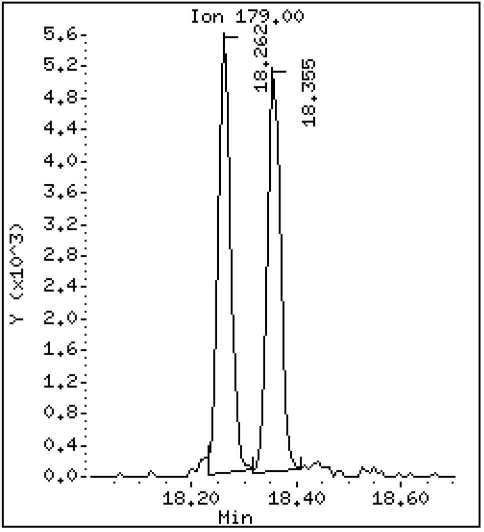

Ion 179.00

Data File: \\target\share\chem3\nt14.i\20230106.b\NT1423010603.D

Date : 06-JAN-2023 12:48

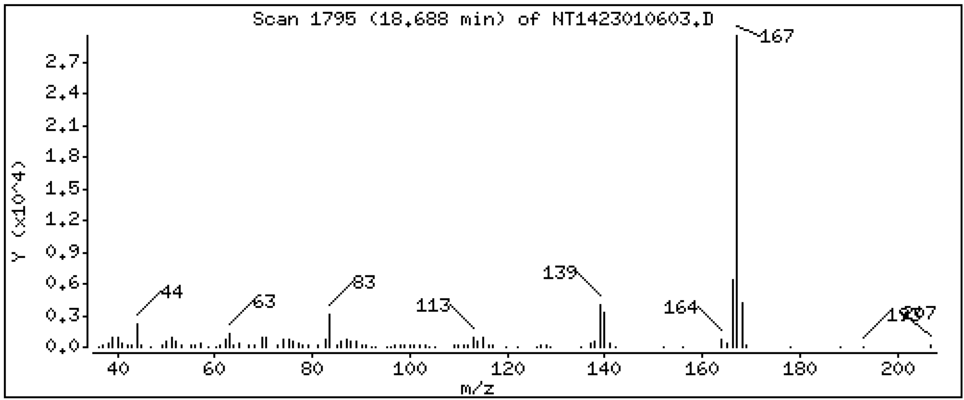
Client ID: Instrument: nt14.i

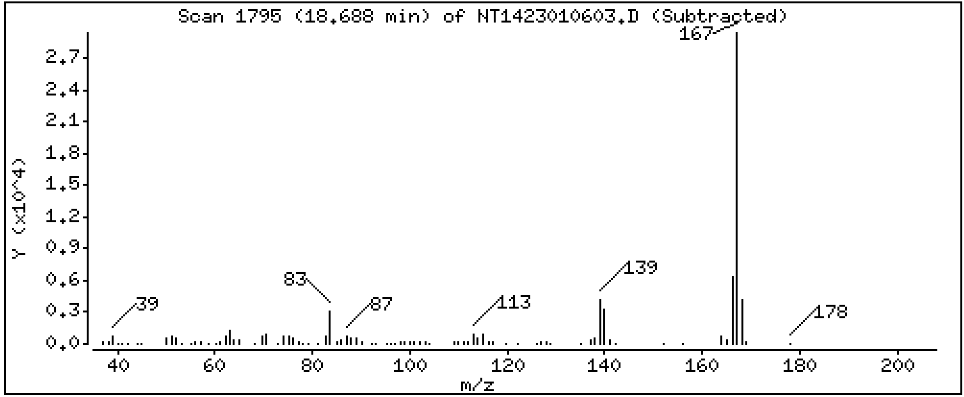
Sample Info: SLA0068-LCV1

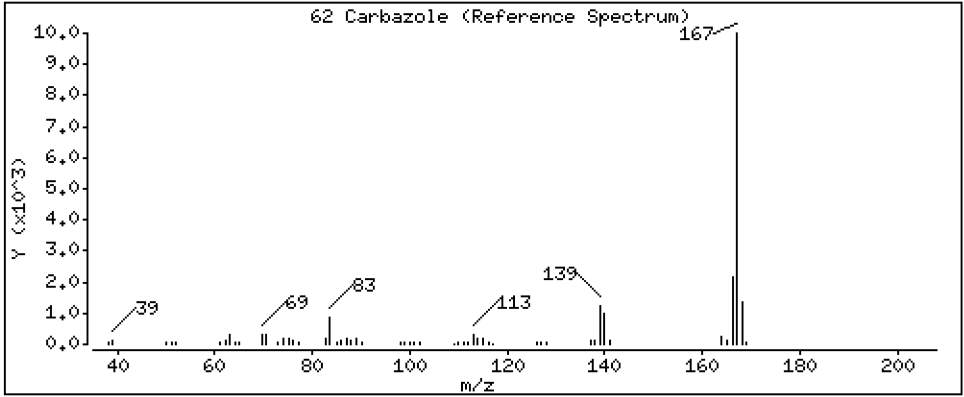
Operator: VTS

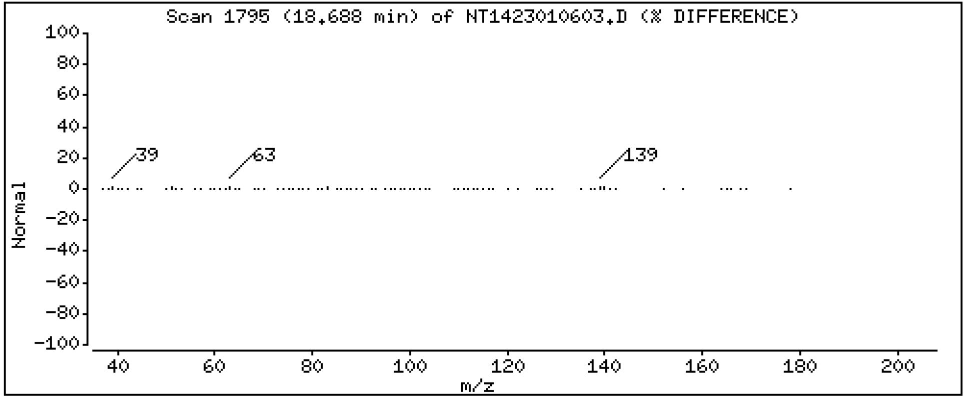
Column phase: ZB-5msi Column diameter: 0.25

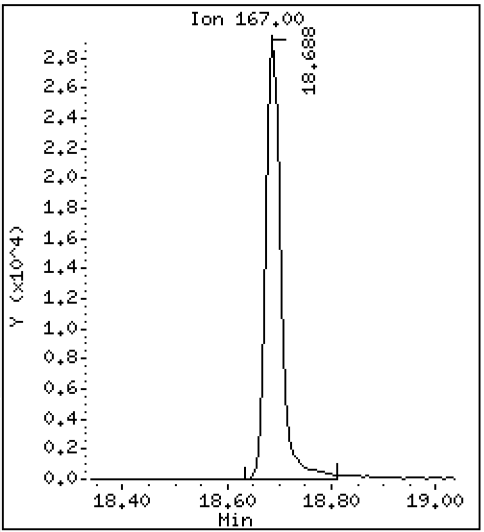
62 Carbazole Concentration: 0.4620 ug/mL

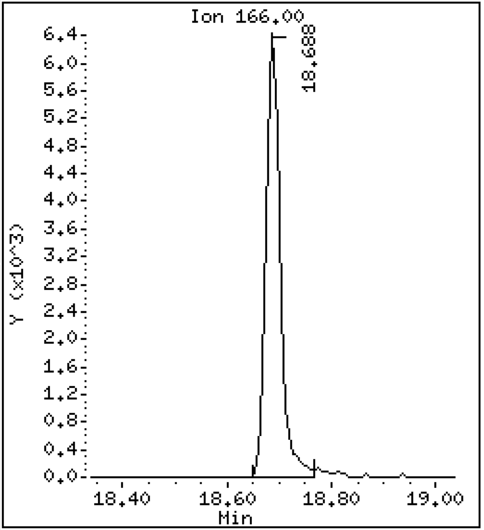


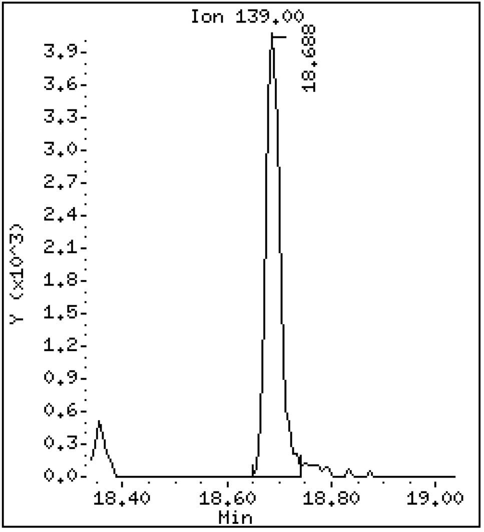












Data File: \\target\share\chem3\nt14.i\20230106.b\NT1423010603.D

Date : 06-JAN-2023 12:48

Client ID:

Instrument: nt14.i

Sample Info: SLA0068-LCV1

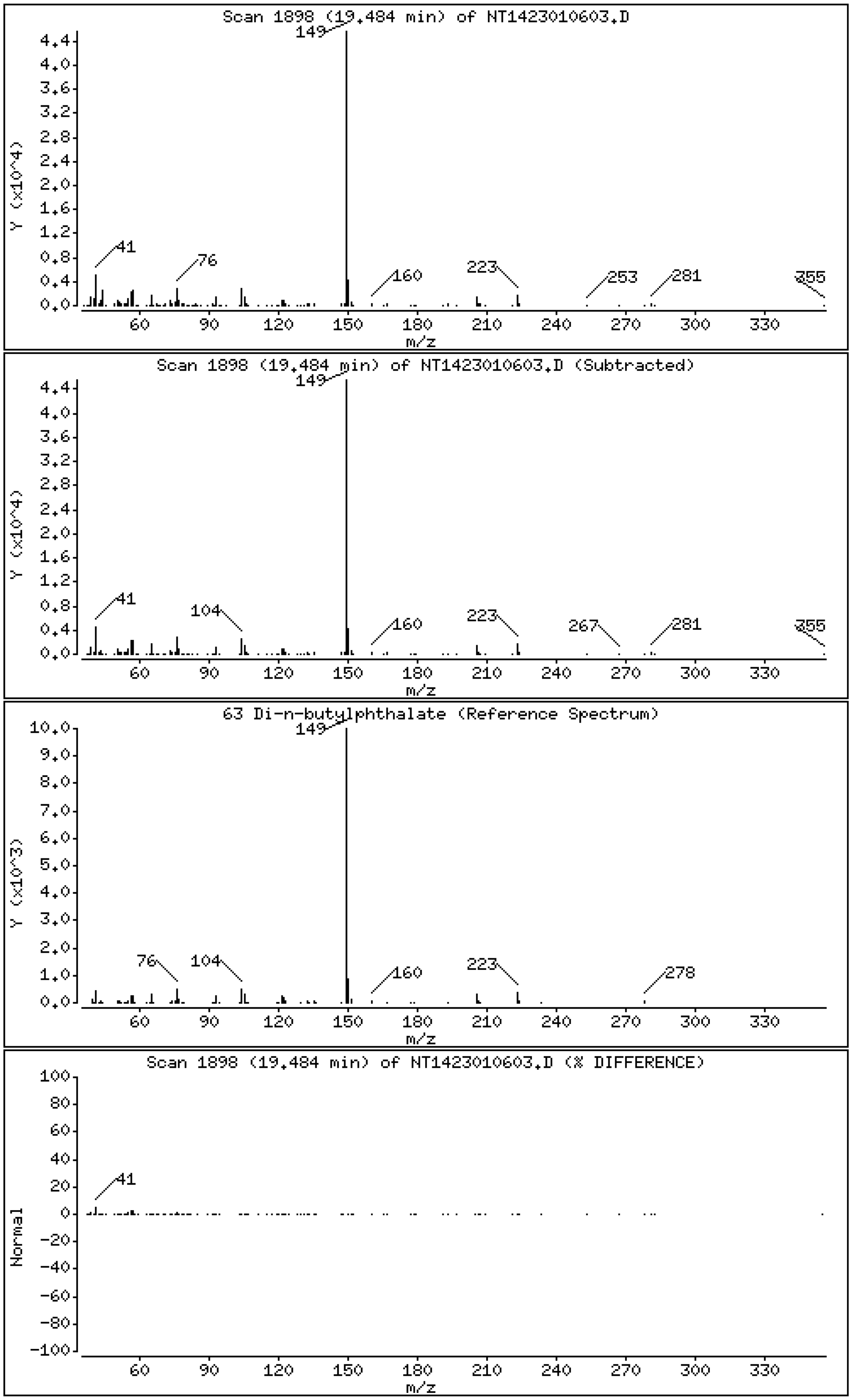
Operator: VTS

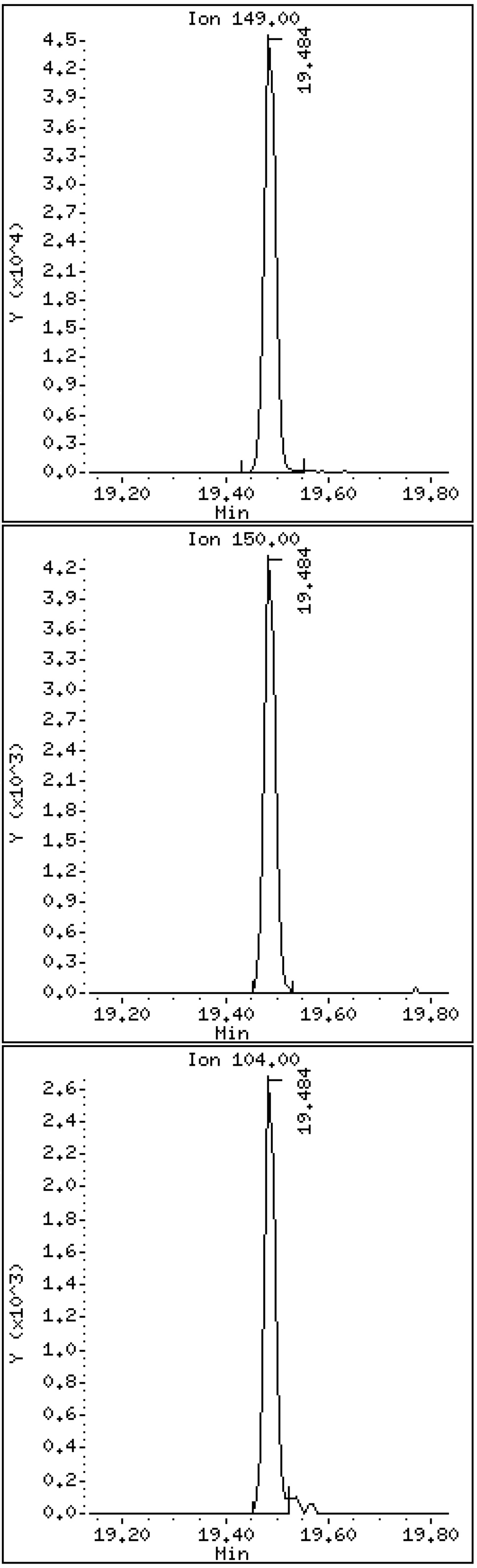
Column phase: ZB-5msi

Column diameter: 0.25

63 Di-n-butylphthalate

Concentration: 0.4795 ug/mL





Data File: \\target\share\chem3\nt14.i\20230106.b\NT1423010603.D

Date : 06-JAN-2023 12:48

Client ID:

Instrument: nt14.i

Sample Info: SLA0068-LCV1

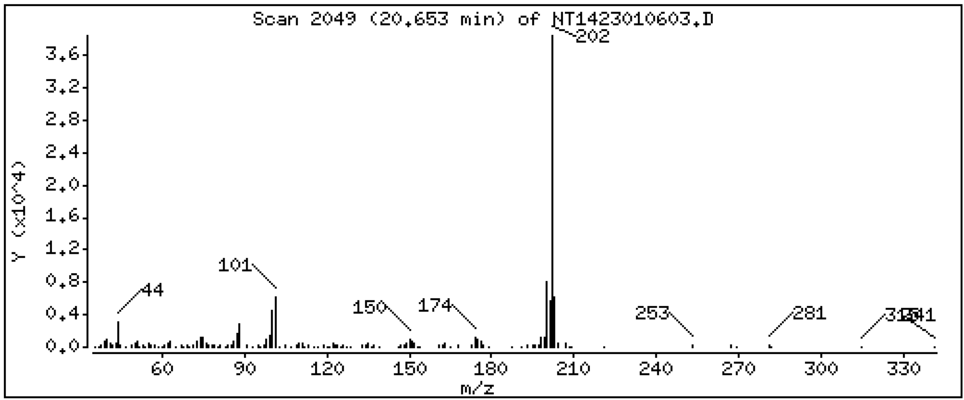
Operator: VTS

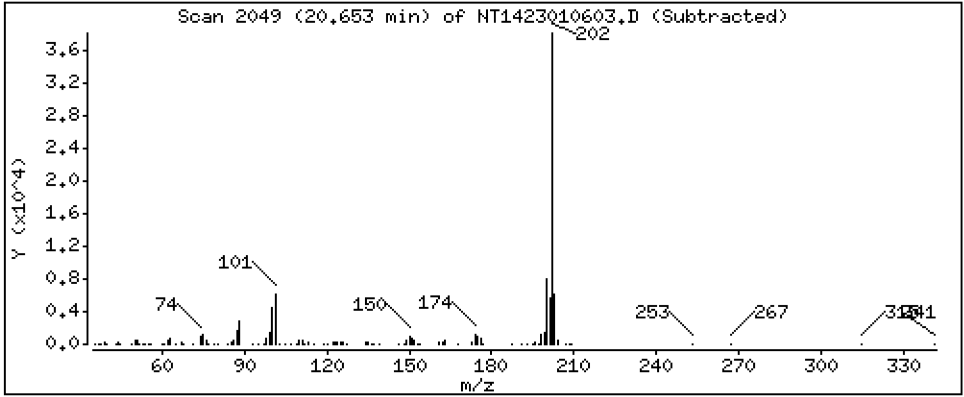
Column phase: ZB-5msi

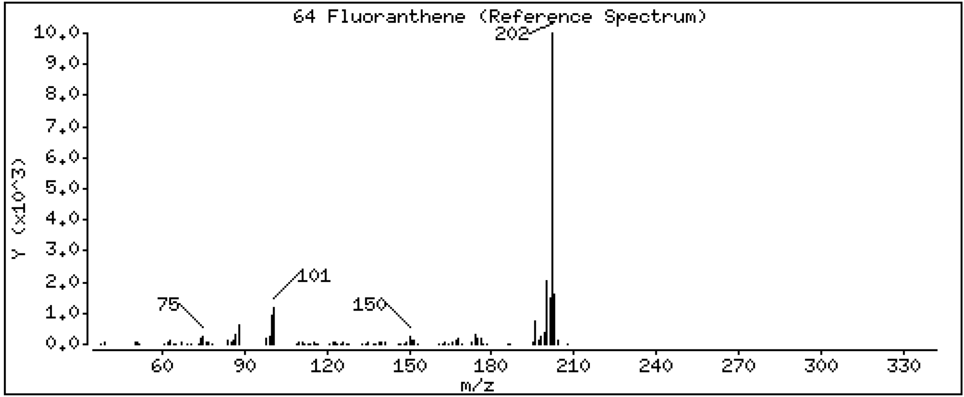
Column diameter: 0.25

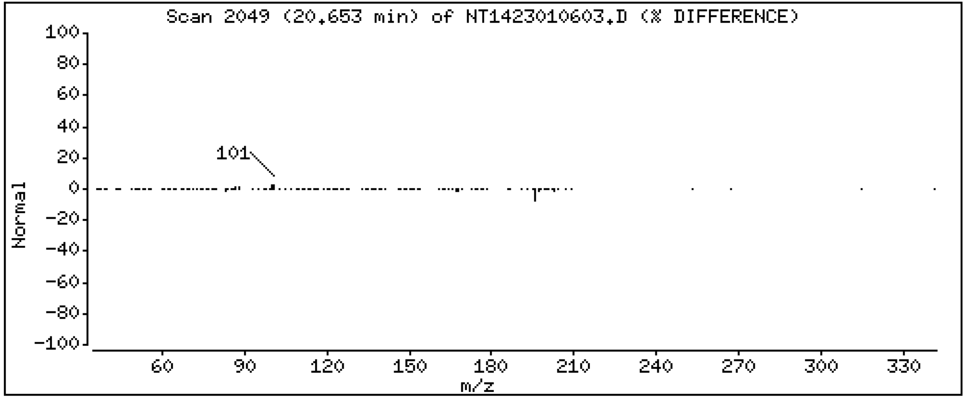
64 Fluoranthene

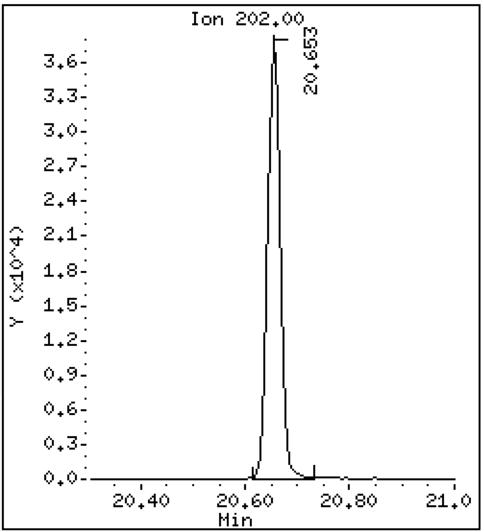
Concentration: 0.4865 ug/mL

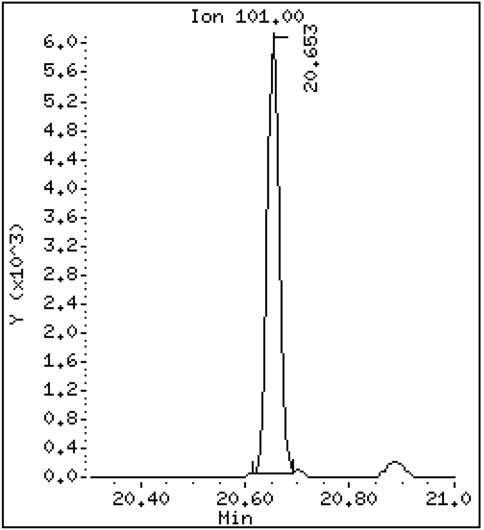


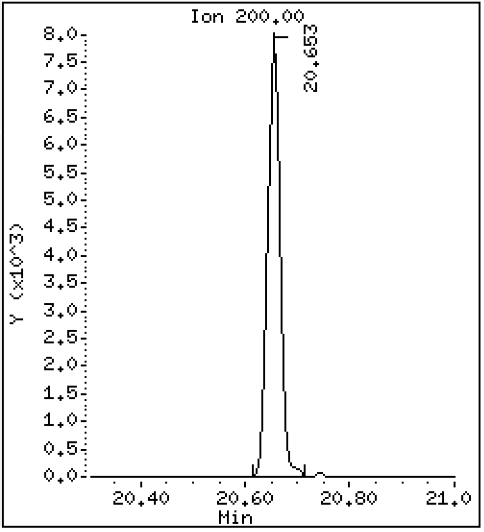












Data File: \\target\share\chem3\nt14.i\20230106.b\NT1423010603.D

Date : 06-JAN-2023 12:48

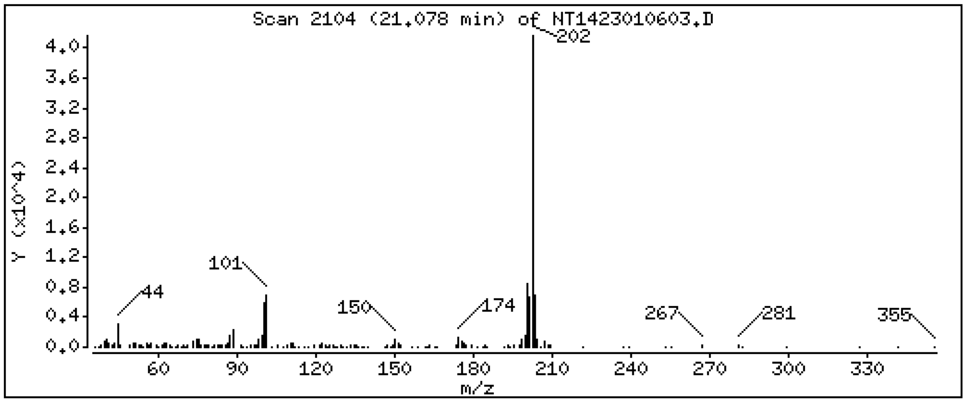
Client ID: Instrument: nt14.i

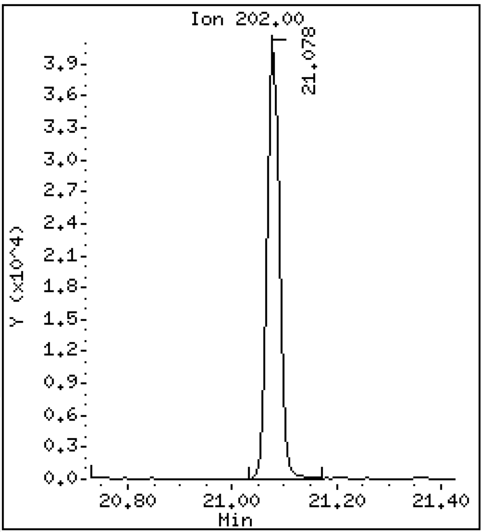
Sample Info: SLA0068-LCV1

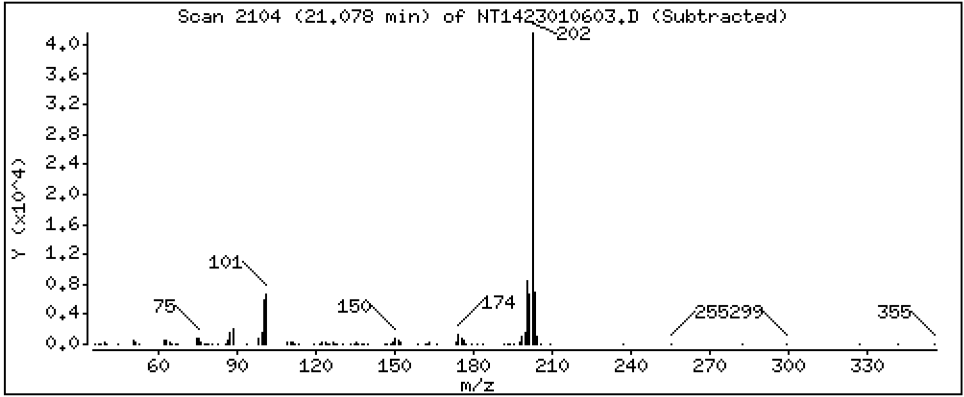
Operator: VTS

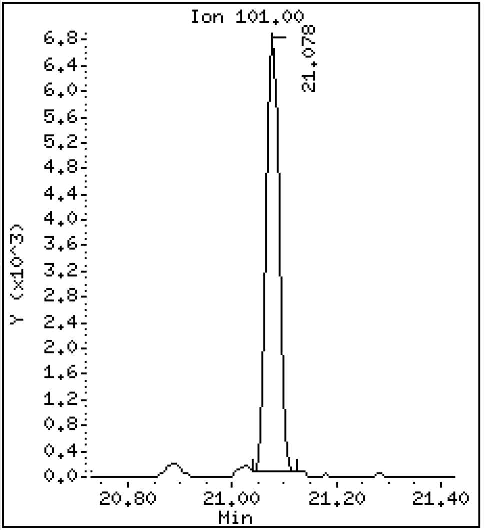
Column phase: ZB-5msi Column diameter: 0.25

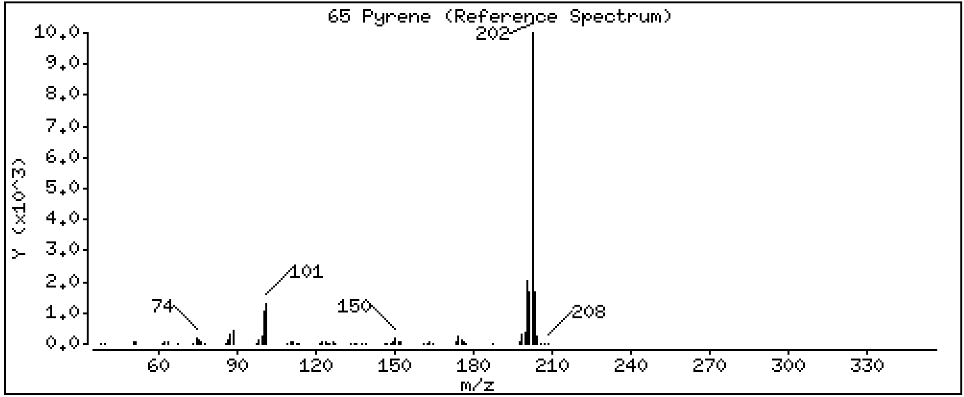
65 Pyrene Concentration: 0.4855 ug/mL

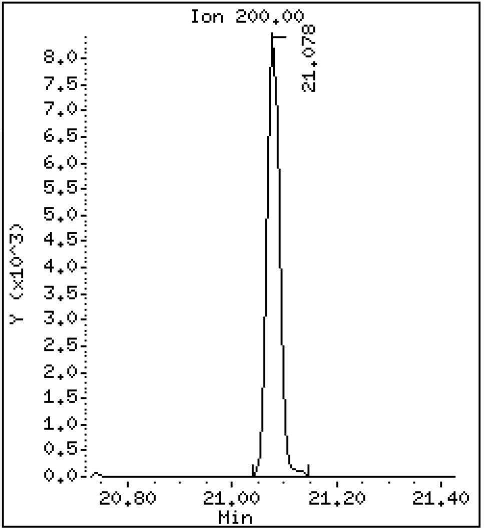


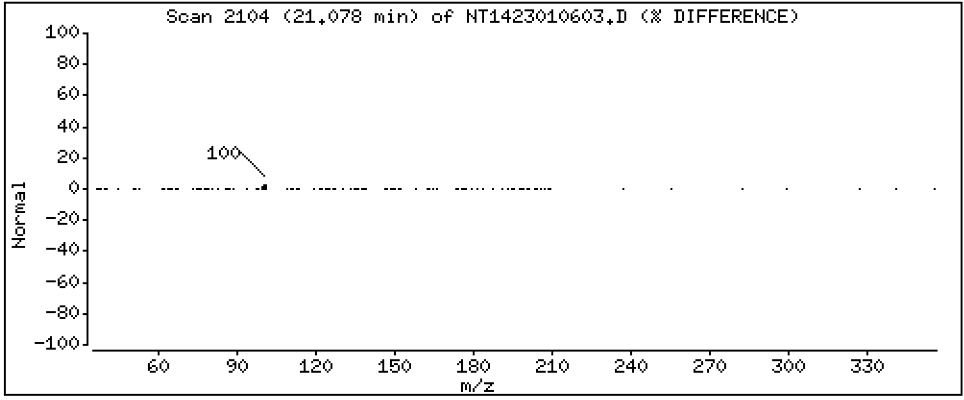












Data File: \\target\share\chem3\nt14.i\20230106.b\NT1423010603.D

Date : 06-JAN-2023 12:48

Client ID:

Instrument: nt14.i

Sample Info: SLA0068-LCV1

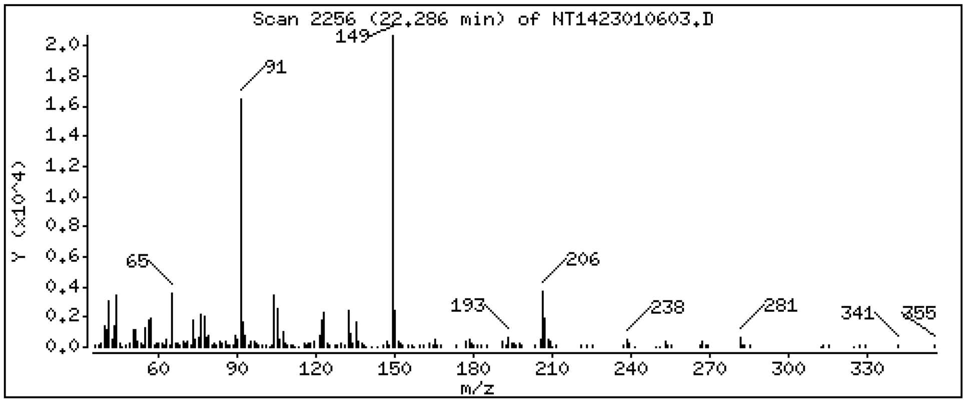
Operator: VTS

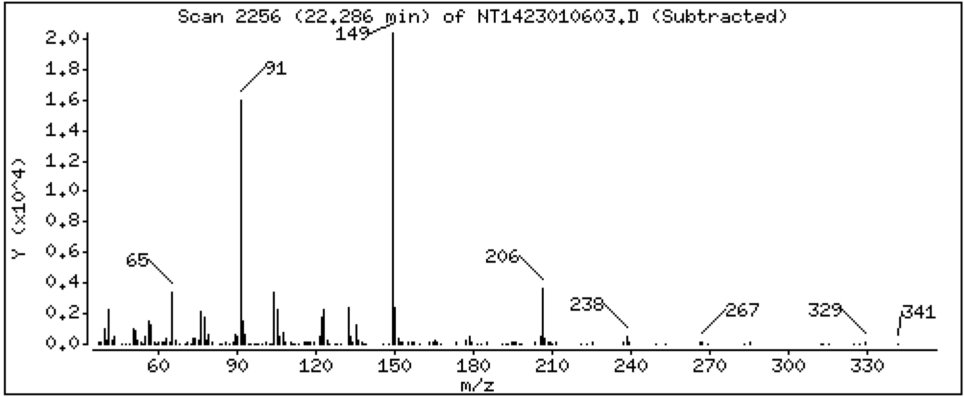
Column phase: ZB-5msi

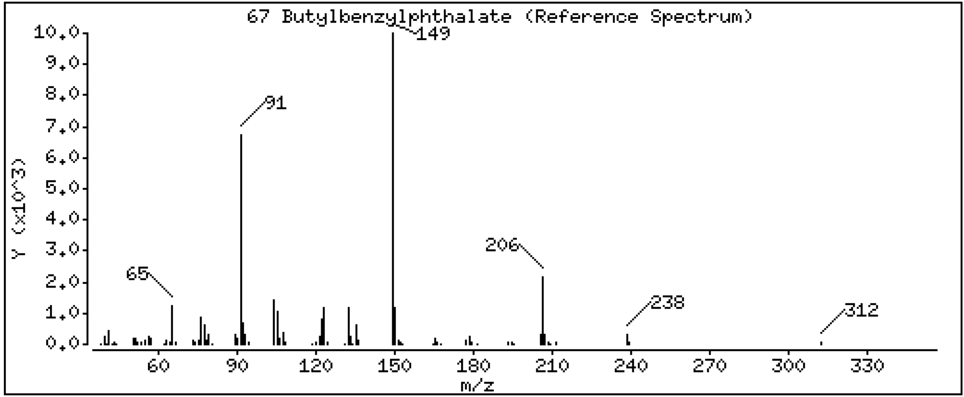
Column diameter: 0.25

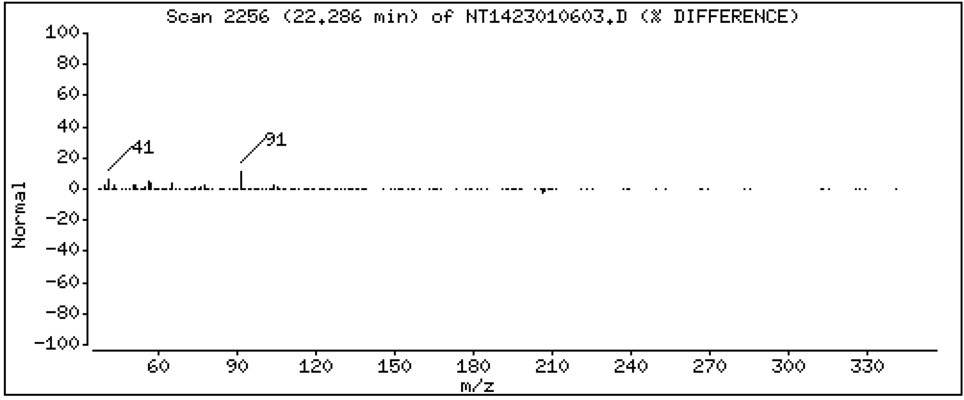
67 Butylbenzylphthalate

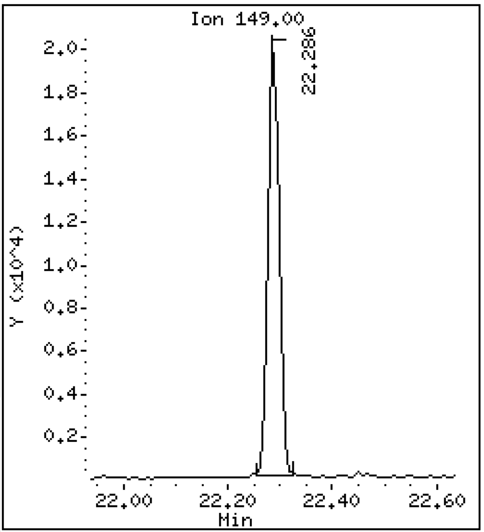
Concentration: 0.5646 ug/mL

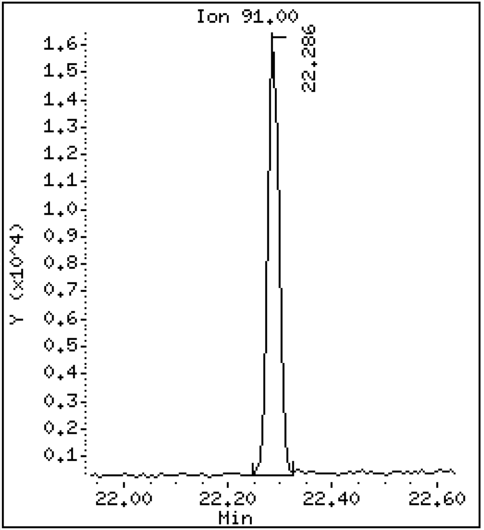

Scan 2256 (22.286 min) of NT1423010603.D

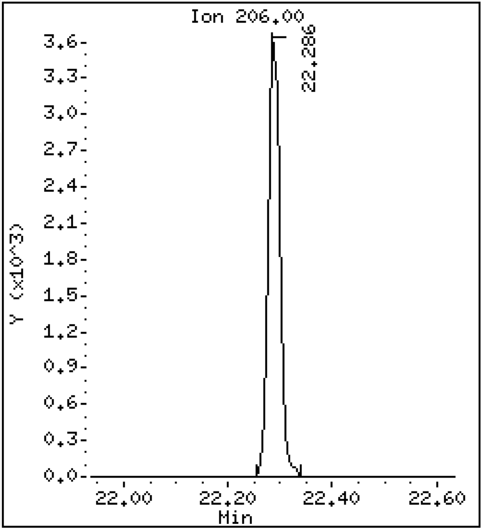

Scan 2256 (22.286 min) of NT1423010603.D (Subtracted)


67 Butylbenzylphthalate (Reference Spectrum)


Scan 2256 (22.286 min) of NT1423010603.D (% DIFFERENCE)


Ion 149.00


Ion 91.00


Ion 206.00

Data File: \\target\share\chem3\nt14.i\20230106.b\NT1423010603.D

Date : 06-JAN-2023 12:48

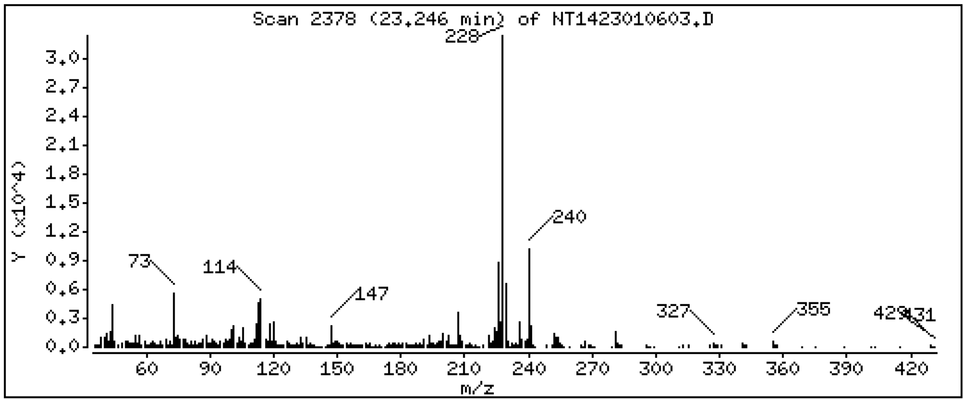
Client ID: Instrument: nt14.i

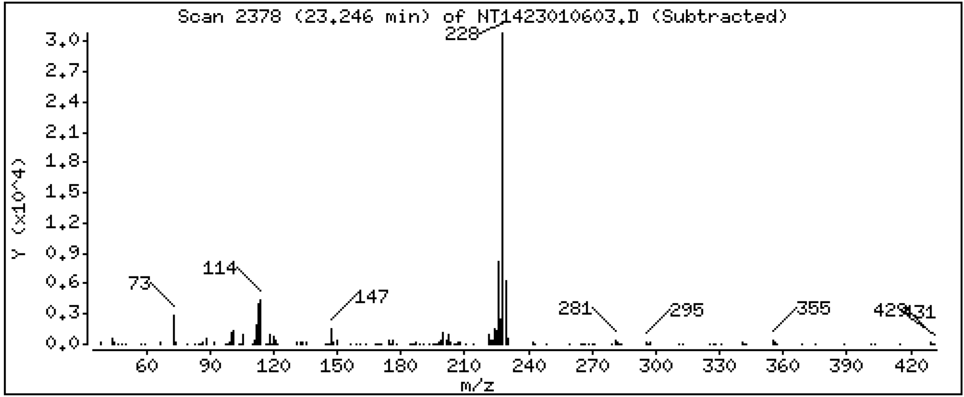
Sample Info: SLA0068-LCV1

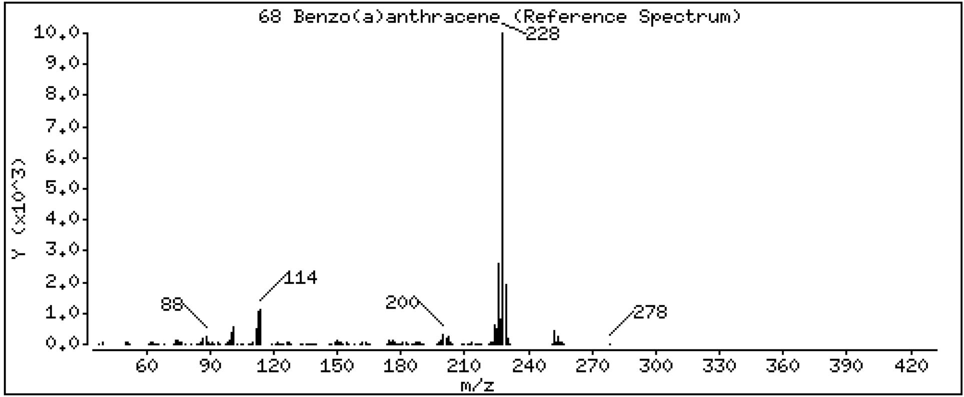
Operator: VTS

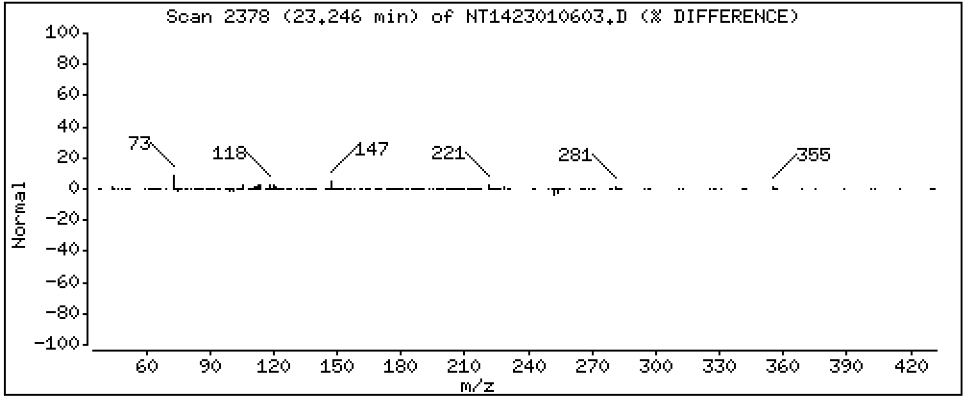
Column phase: ZB-5msi Column diameter: 0.25

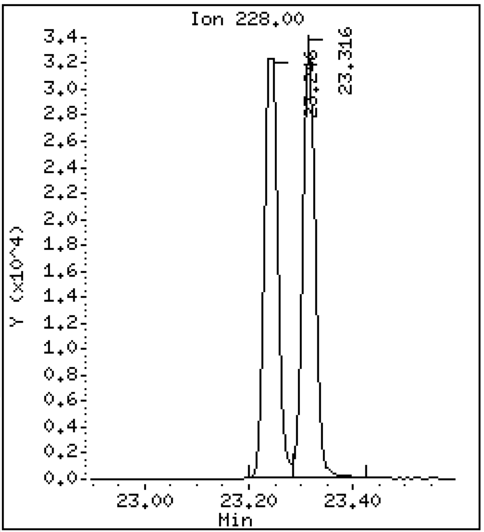
68 Benzo(a)anthracene Concentration: 0.4668 ug/mL

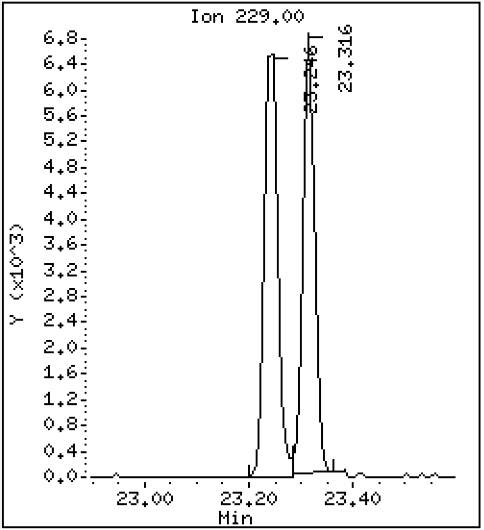


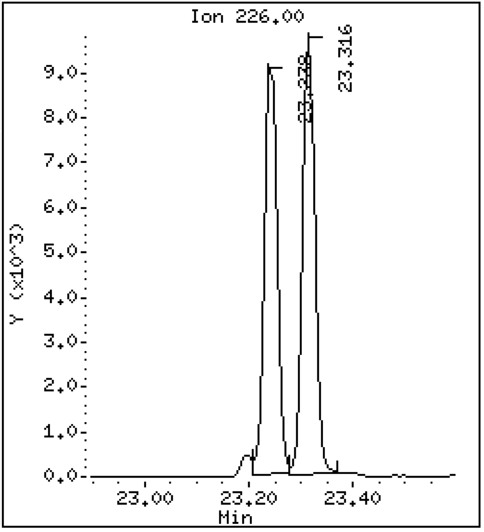












Data File: \\target\share\chem3\nt14.i\20230106.b\NT1423010603.D

Date : 06-JAN-2023 12:48

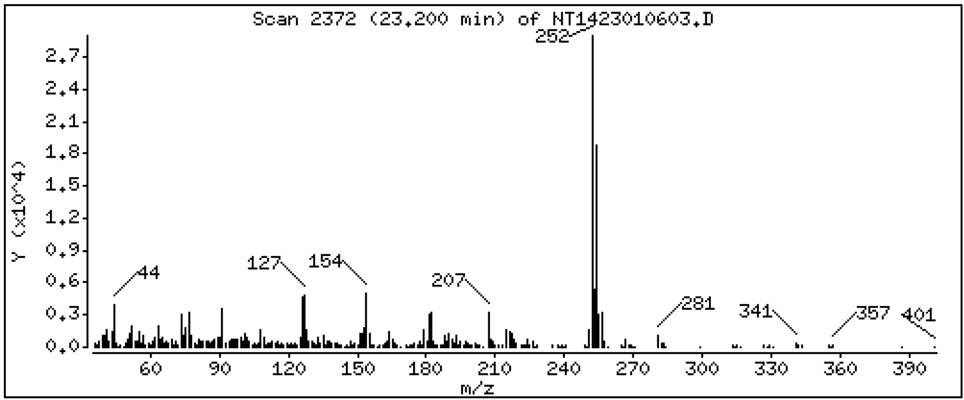
Client ID: Instrument: nt14.i

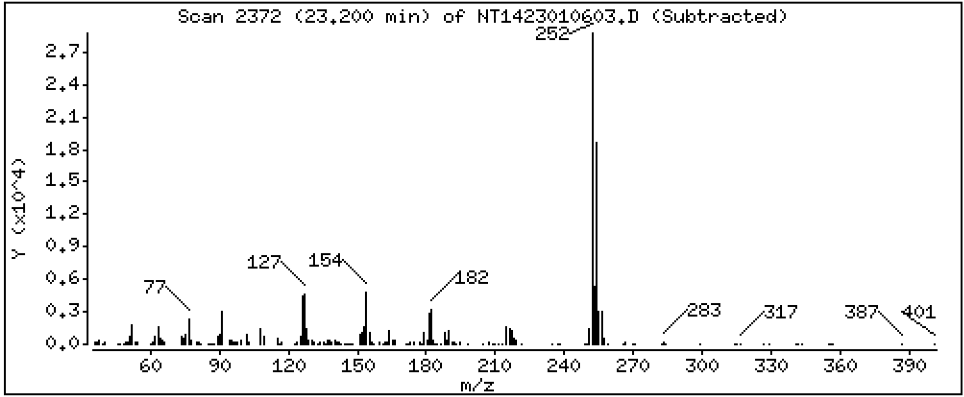
Sample Info: SLA0068-LCV1

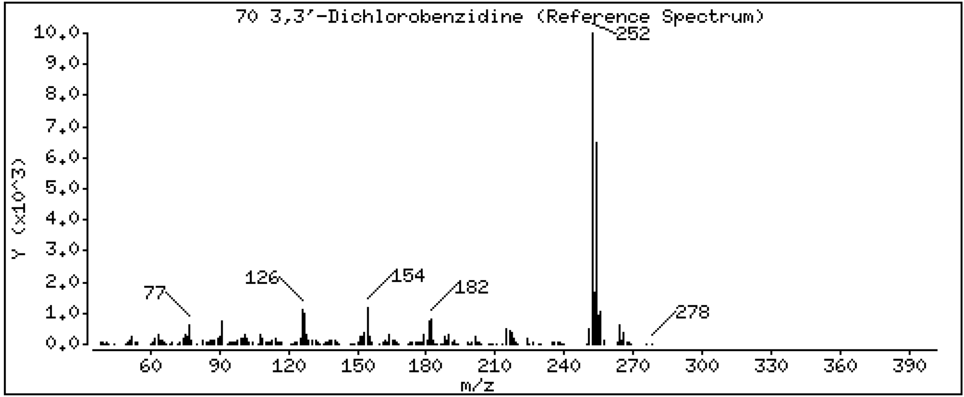
Operator: VTS

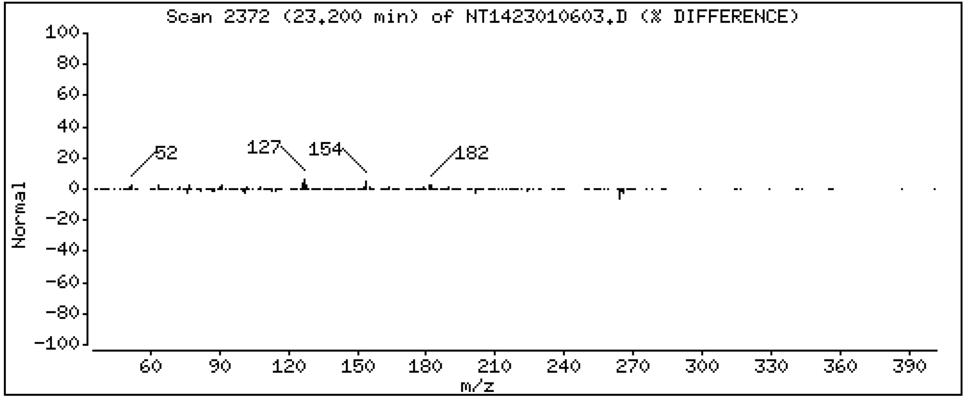
Column phase: ZB-5msi Column diameter: 0.25

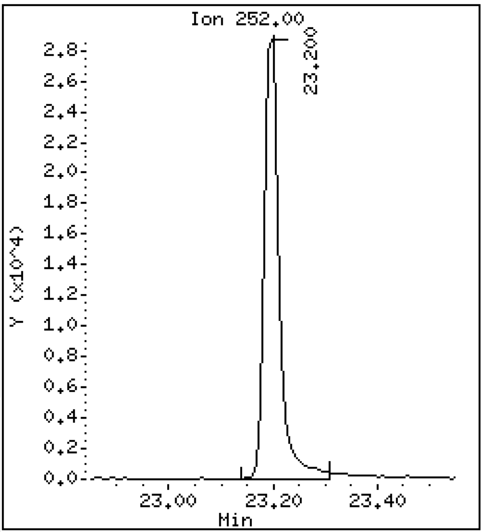
70 3,3'-Dichlorobenzidine Concentration: 1.548 ug/mL

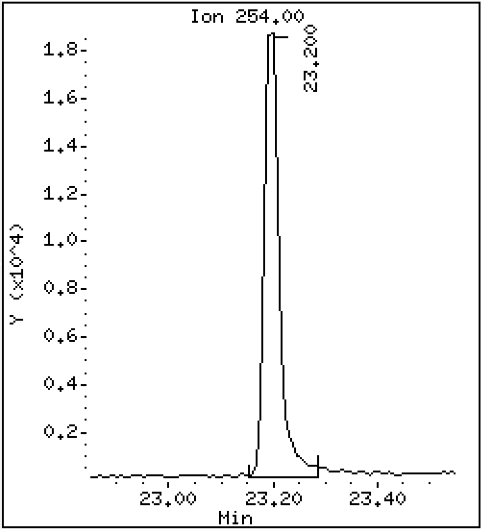

Scan 2372 (23.200 min) of NT1423010603.D

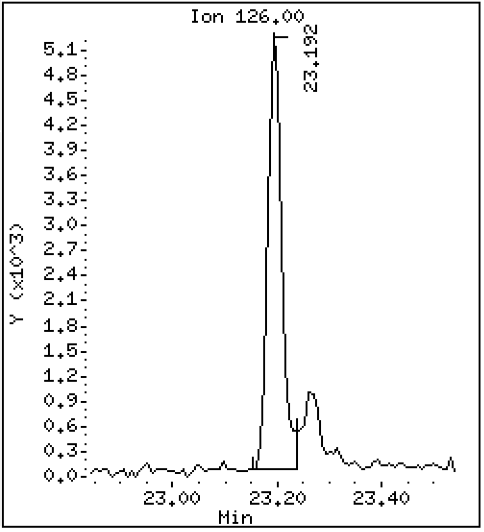

Scan 2372 (23.200 min) of NT1423010603.D (Subtracted)


70 3,3'-Dichlorobenzidine (Reference Spectrum)


Scan 2372 (23.200 min) of NT1423010603.D (% DIFFERENCE)


Ion 252.00


Ion 254.00


Ion 126.00

Date : 06-JAN-2023 12:48

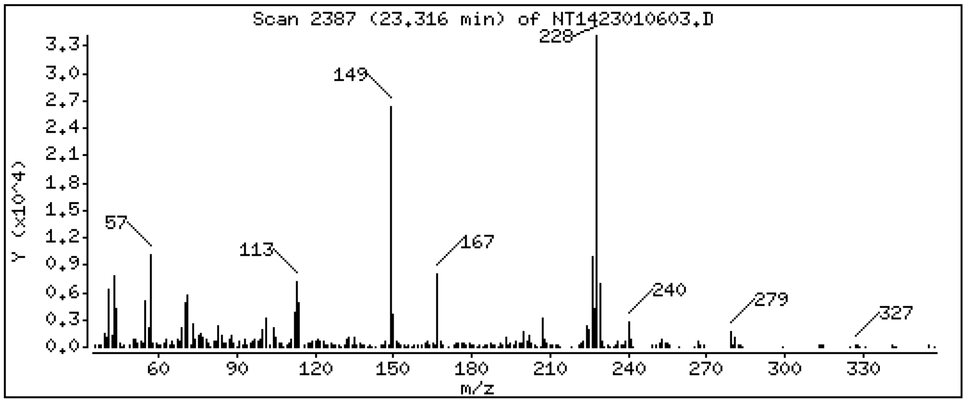
Client ID: Instrument: nt14.i

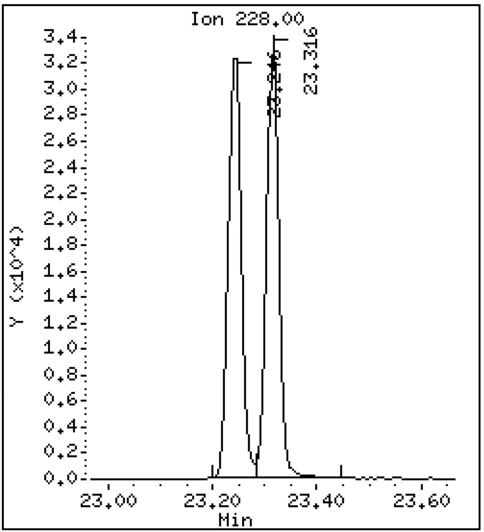
Sample Info: SLA0068-LCV1

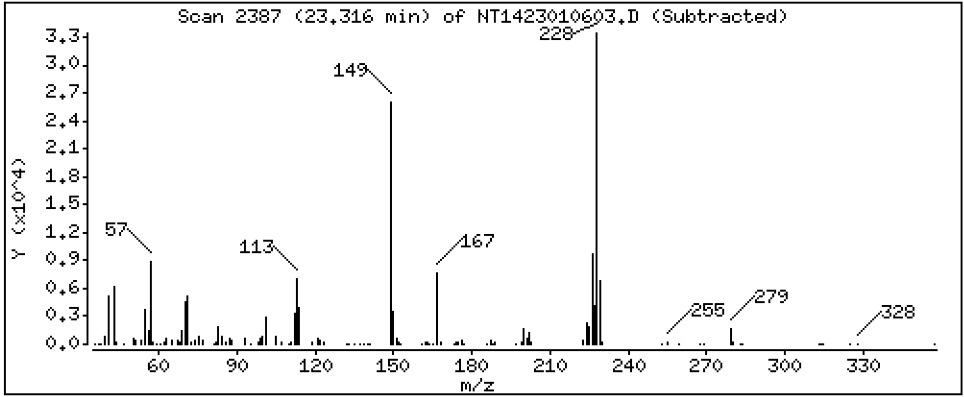
Operator: VTS

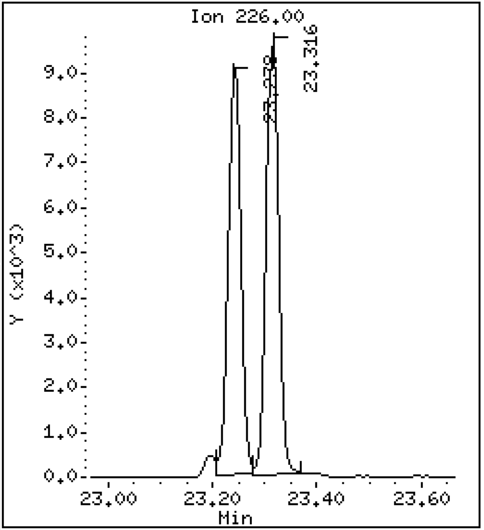
Column phase: ZB-5msi Column diameter: 0.25

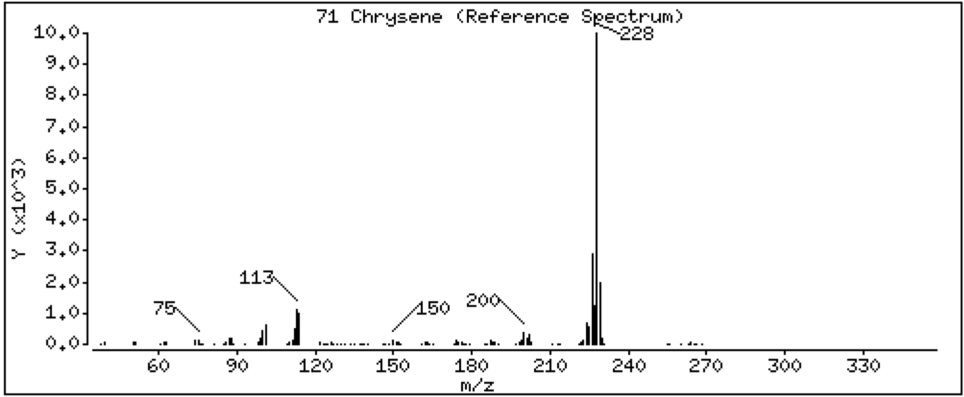
71 Chrysene Concentration: 0.4683 ug/mL

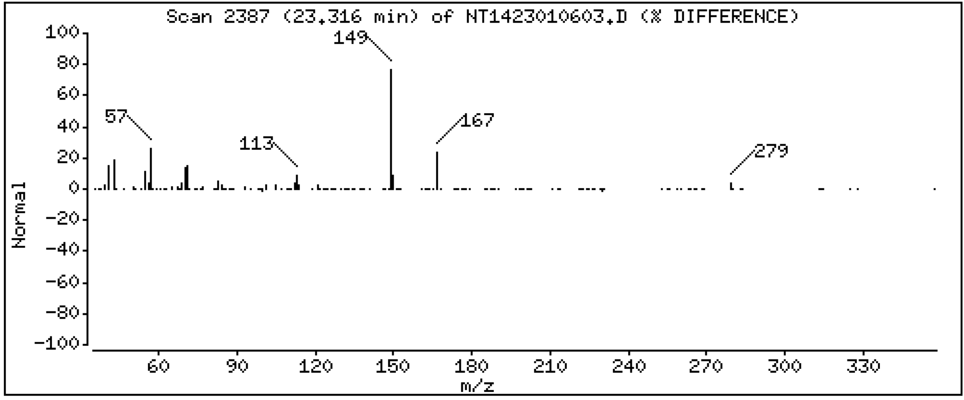


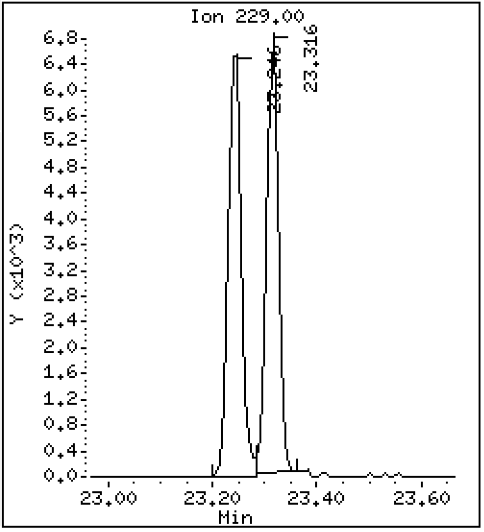












Data File: \\target\share\chem3\nt14.i\20230106.b\NT1423010603.D

Date : 06-JAN-2023 12:48

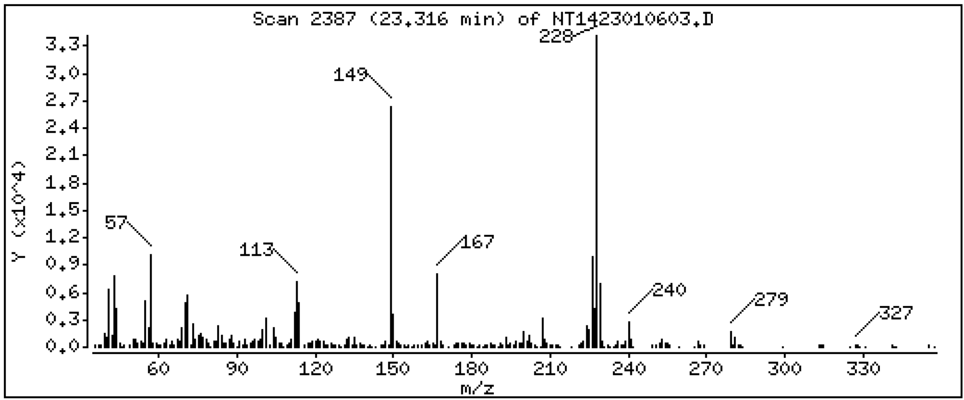
Client ID: Instrument: nt14.i

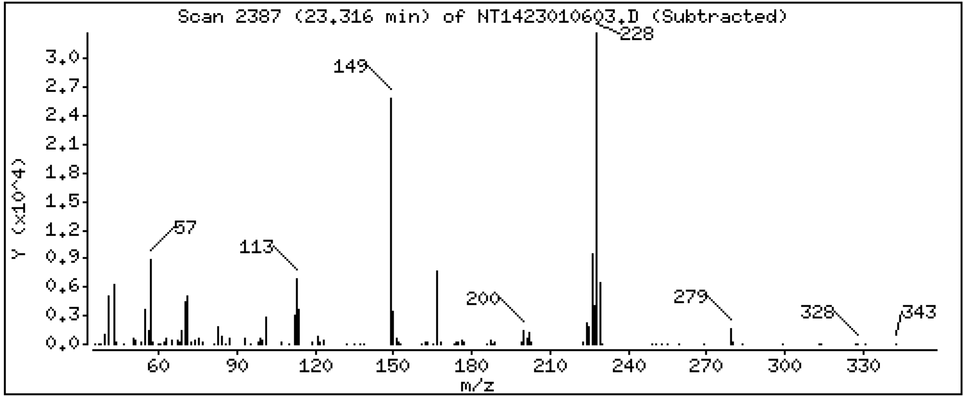
Sample Info: SLA0068-LCV1

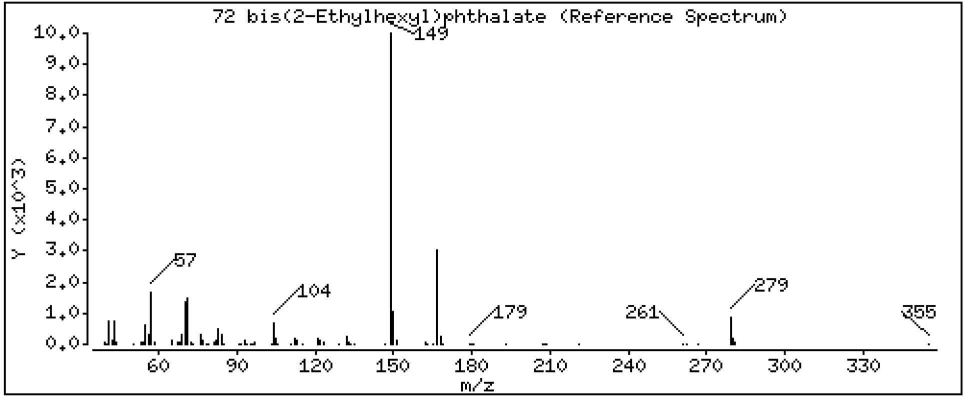
Operator: VTS

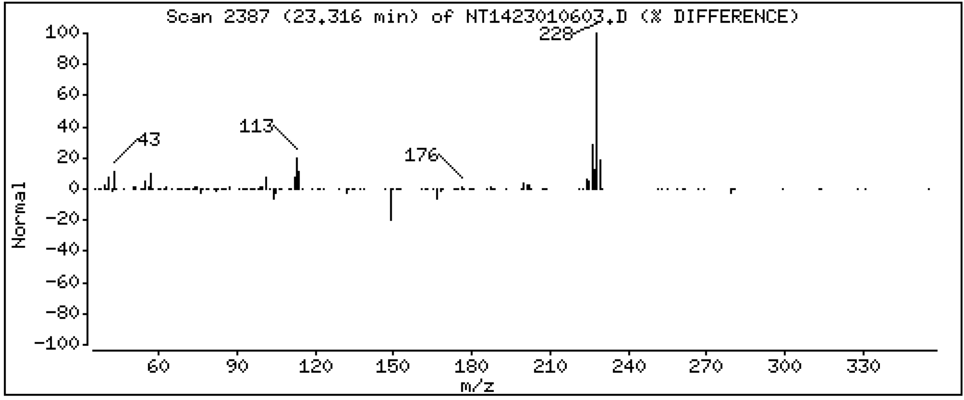
Column phase: ZB-5msi Column diameter: 0.25

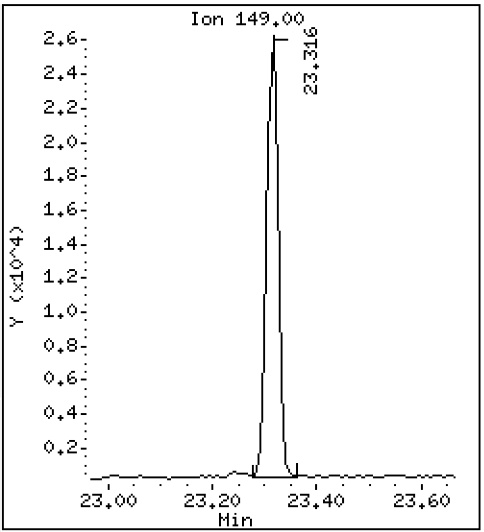
72 bis(2-Ethylhexyl)phthalate Concentration: 0.4833 ug/mL

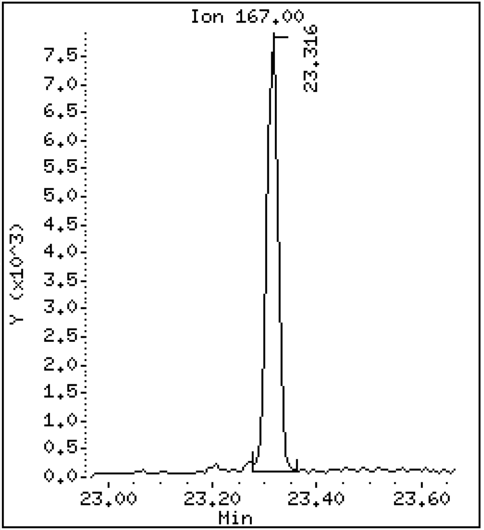

Scan 2387 (23.316 min) of NT1423010603.D

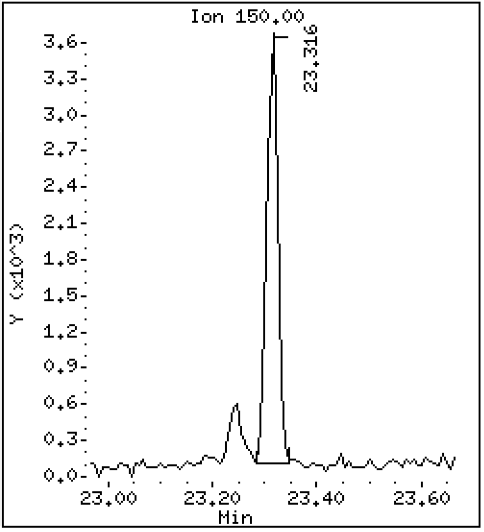

Scan 2387 (23.316 min) of NT1423010603.D (Subtracted)


72 bis(2-Ethylhexyl)phthalate (Reference Spectrum)


Scan 2387 (23.316 min) of NT1423010603.D (% DIFFERENCE)


Ion 149.00


Ion 167.00


Ion 150.00

Data File: \\target\share\chem3\nt14.i\20230106.b\NT1423010603.D

Date : 06-JAN-2023 12:48

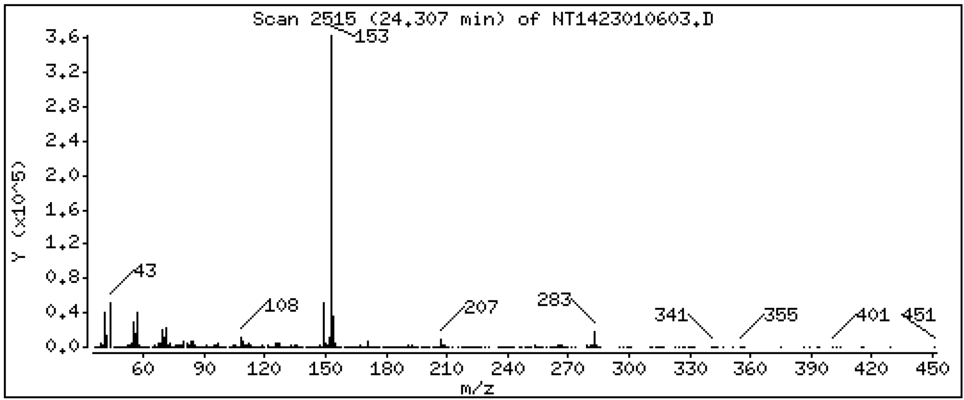
Client ID: Instrument: nt14.i

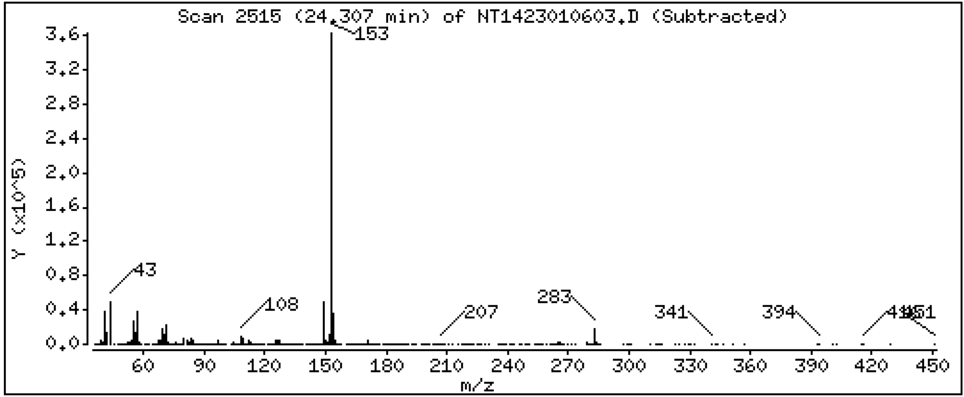
Sample Info: SLA0068-LCV1

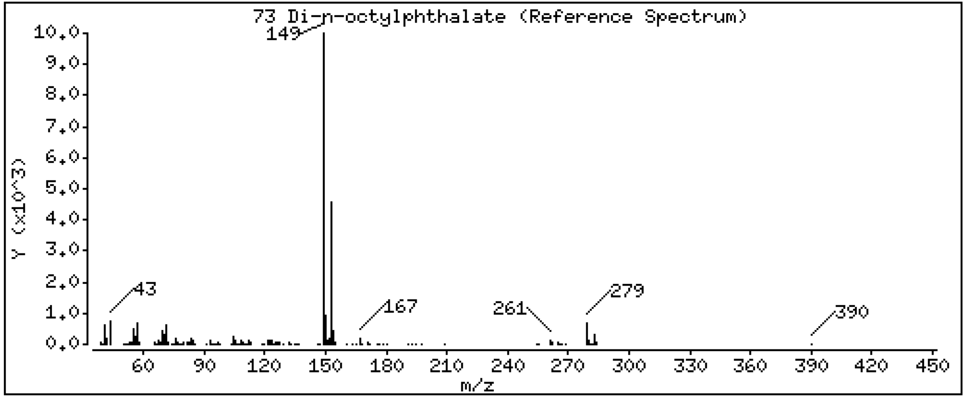
Operator: VTS

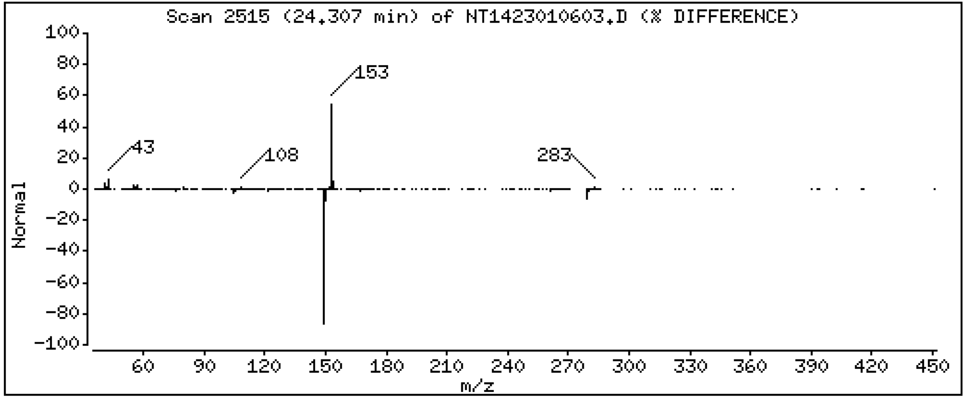
Column phase: ZB-5msi Column diameter: 0.25

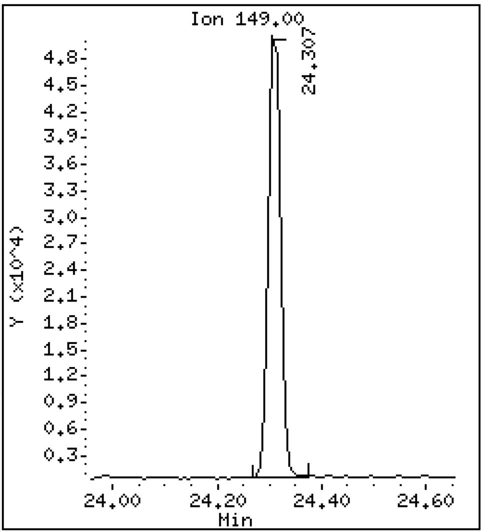
73 Di-n-octylphthalate Concentration: 0.4652 ug/mL

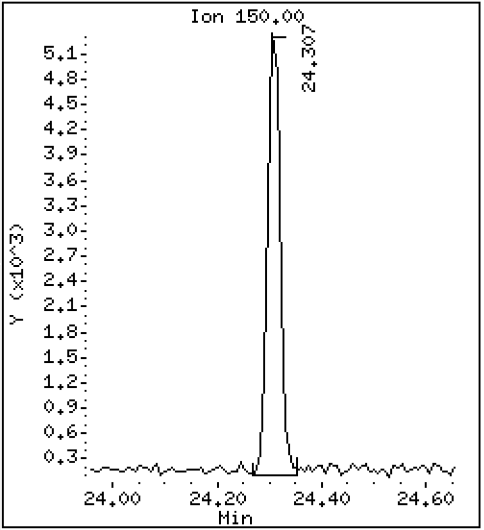


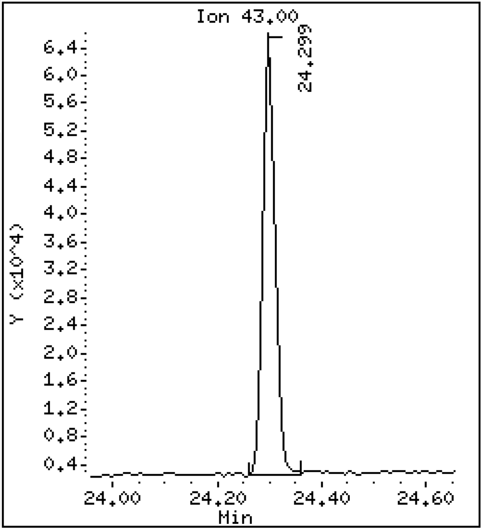












Data File: \\target\share\chem3\nt14.i\20230106.b\NT1423010603.D

Date : 06-JAN-2023 12:48

Client ID:

Instrument: nt14.i

Sample Info: SLA0068-LCV1

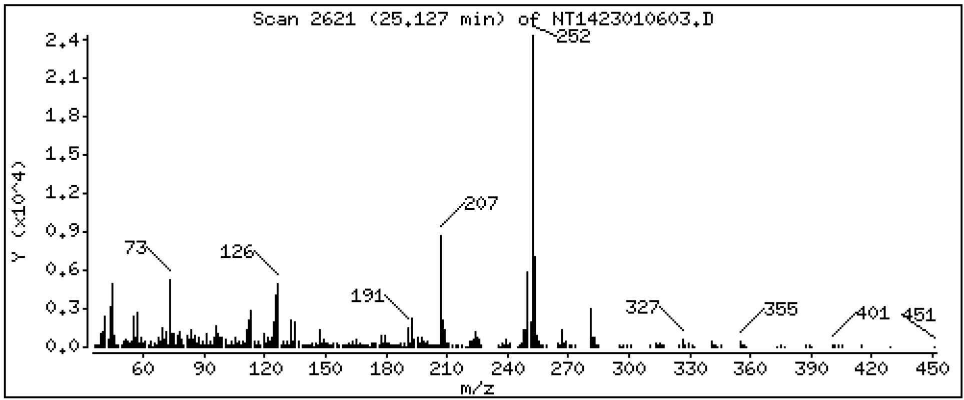
Operator: VTS

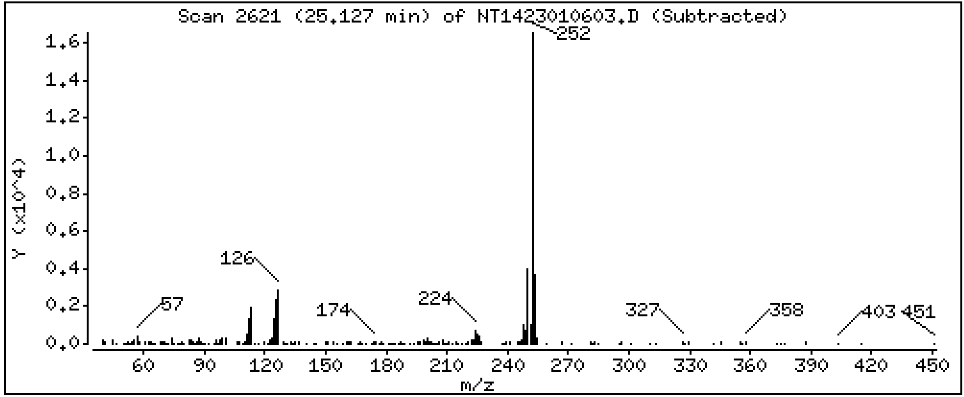
Column phase: ZB-5msi

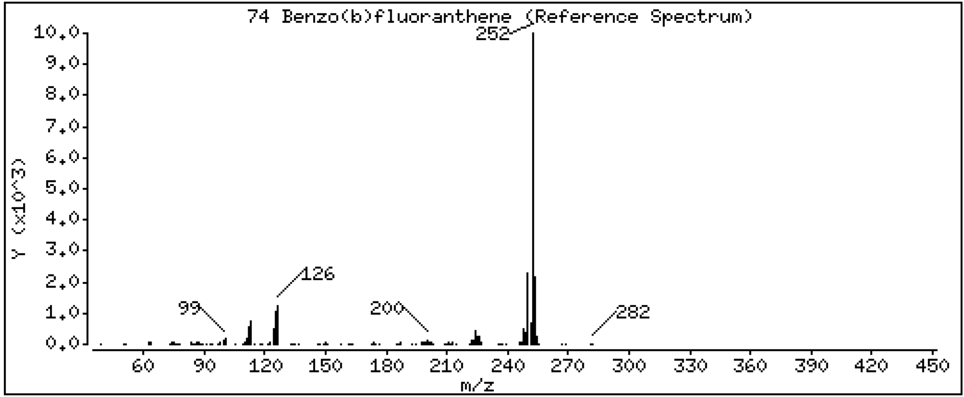
Column diameter: 0.25

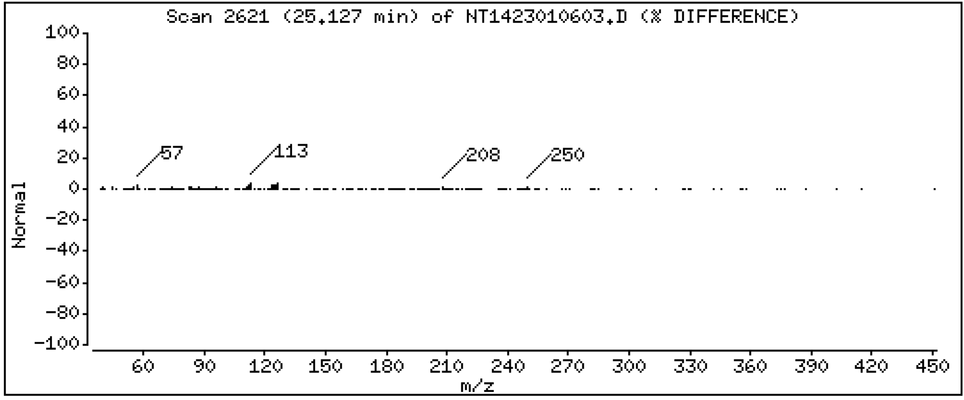
74 Benzo(b)fluoranthene

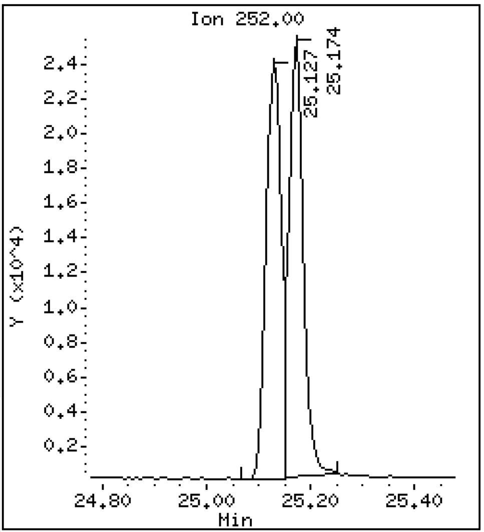
Concentration: 0.4316 ug/mL

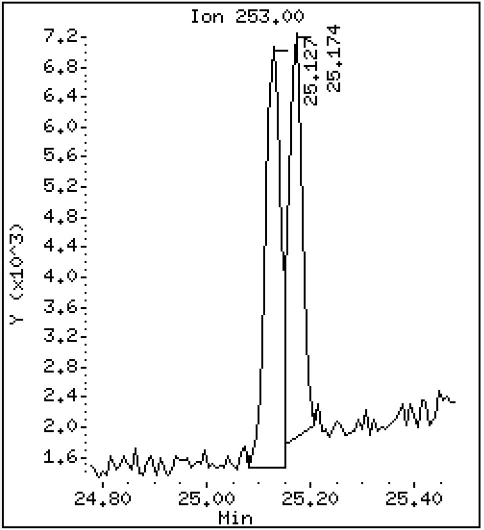

Scan 2621 (25.127 min) of NT1423010603.D

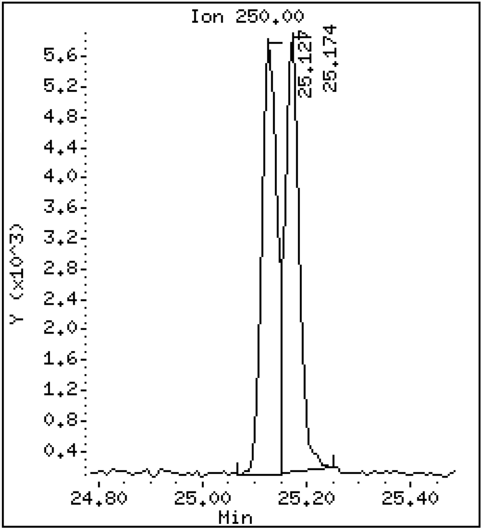

Scan 2621 (25.127 min) of NT1423010603.D (Subtracted)


74 Benzo(b)fluoranthene (Reference Spectrum)


Scan 2621 (25.127 min) of NT1423010603.D (% DIFFERENCE)


Ion 252.00


Ion 253.00


Ion 250.00

Data File: \\target\share\chem3\nt14.i\20230106.b\NT1423010603.D

Date : 06-JAN-2023 12:48

Client ID:

Instrument: nt14.i

Sample Info: SLA0068-LCV1

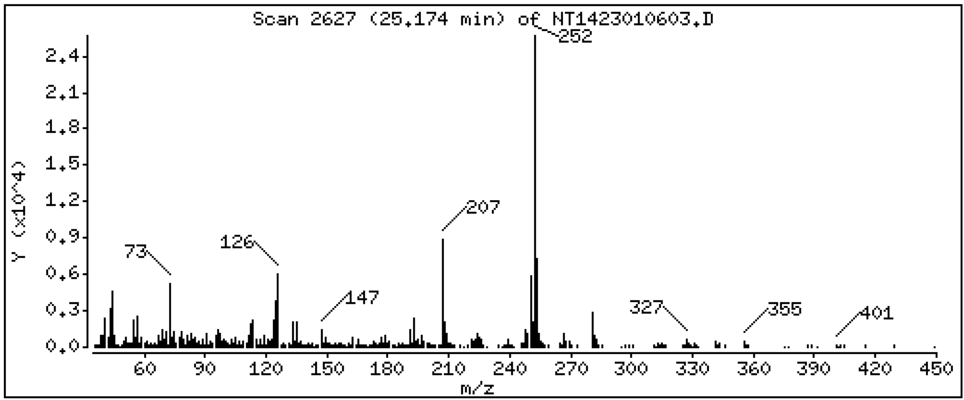
Operator: VTS

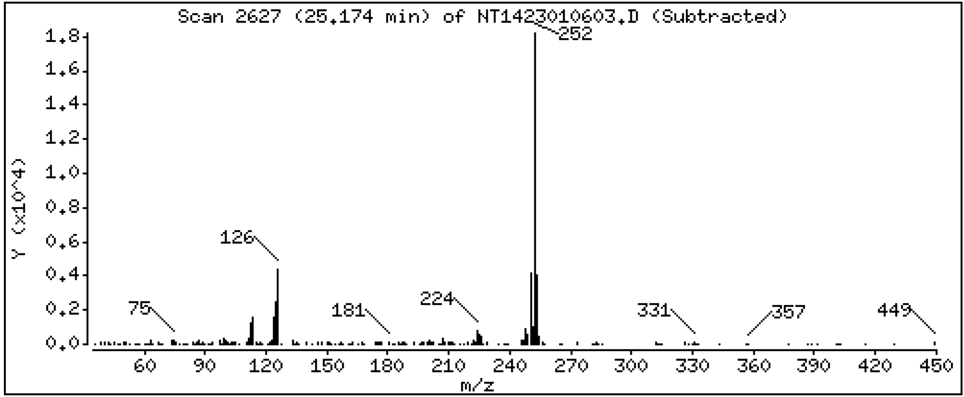
Column phase: ZB-5msi

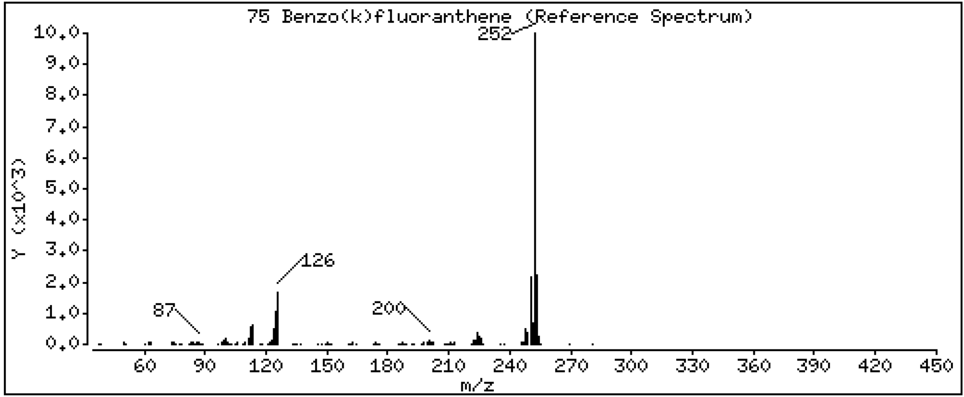
Column diameter: 0.25

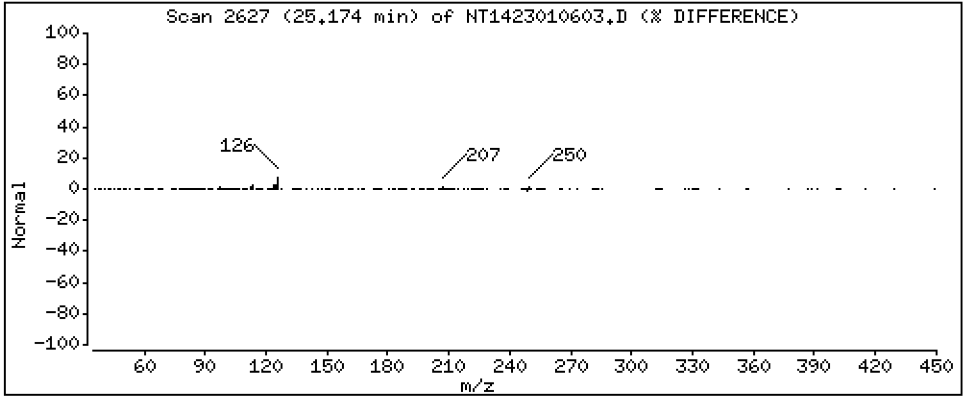
75 Benzo(k)fluoranthene

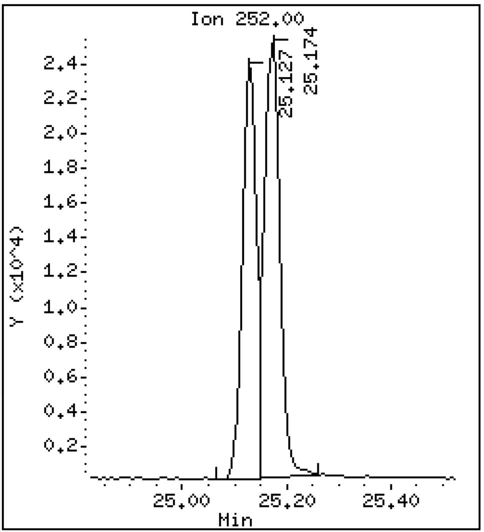
Concentration: 0.4503 ug/mL

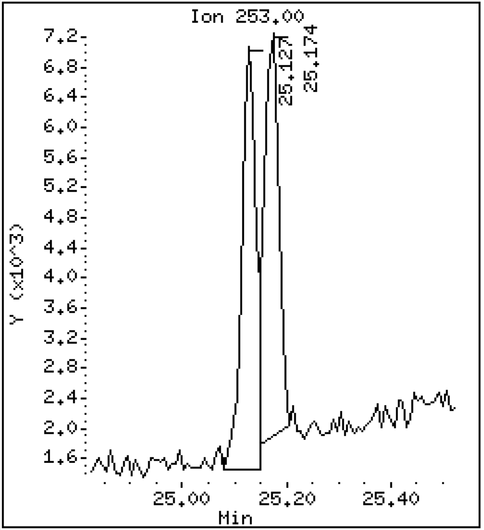


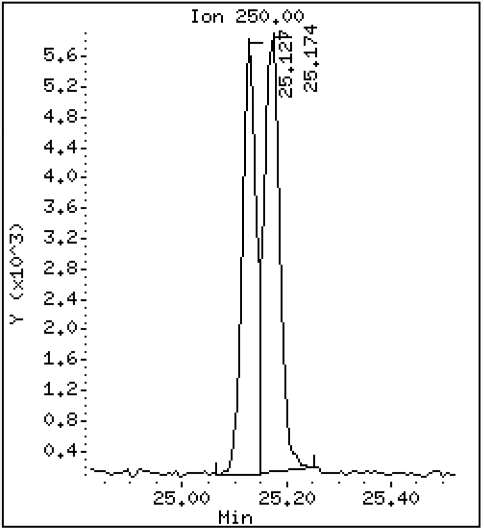












Data File: \\target\share\chem3\nt14.i\20230106.b\NT1423010603.D

Date : 06-JAN-2023 12:48

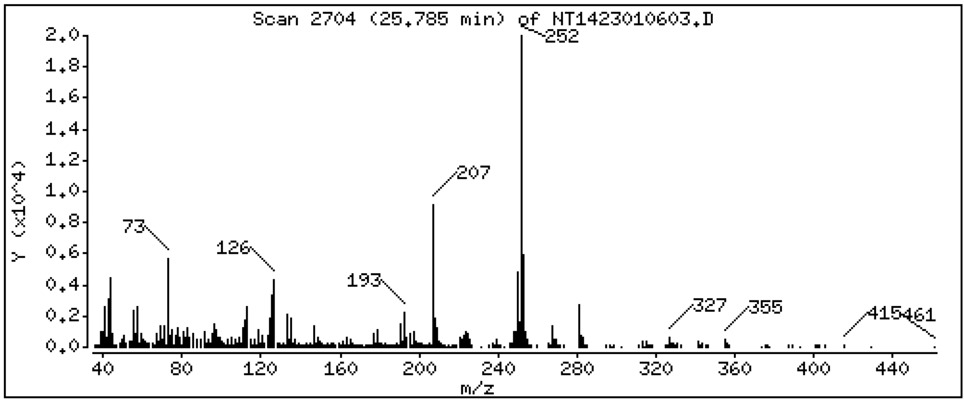
Client ID: Instrument: nt14.i

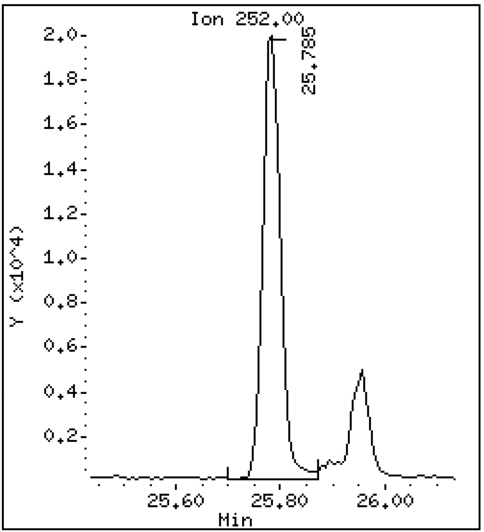
Sample Info: SLA0068-LCV1

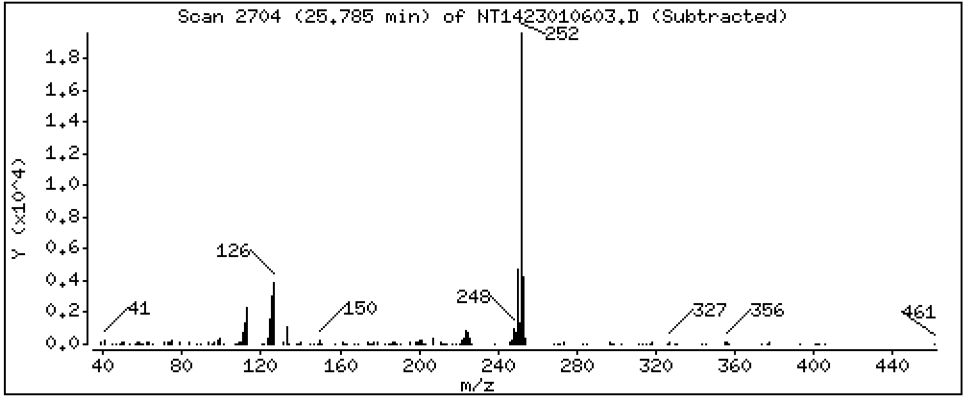
Operator: VTS

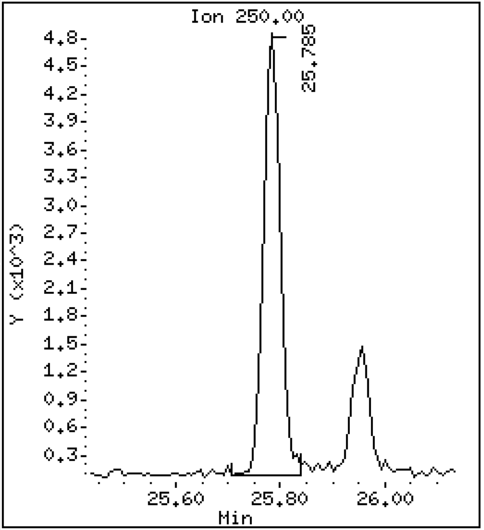
Column phase: ZB-5msi Column diameter: 0.25

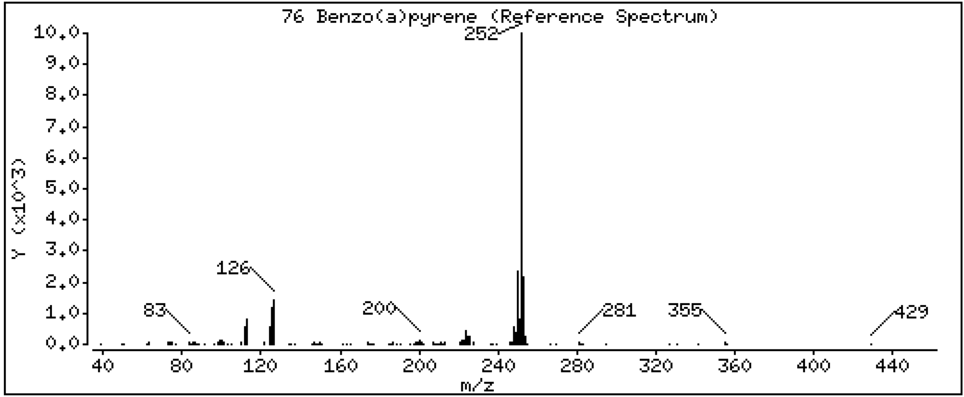
76 Benzo(a)pyrene Concentration: 0.4834 ug/mL

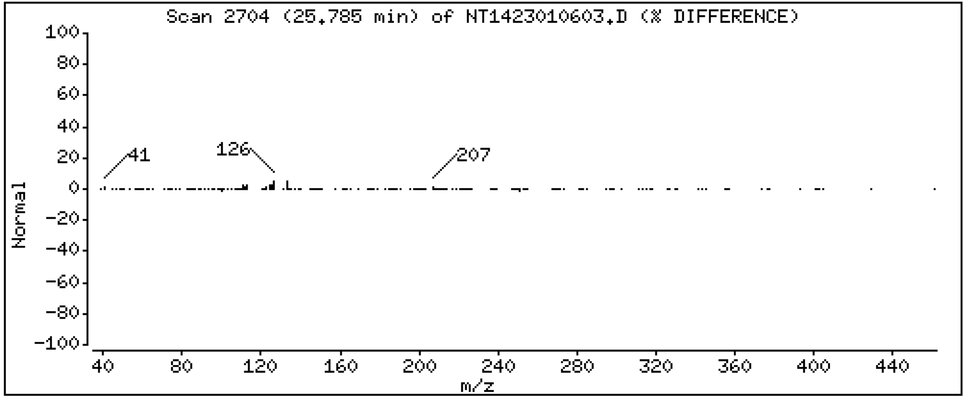

Scan 2704 (25.785 min) of NT1423010603.D

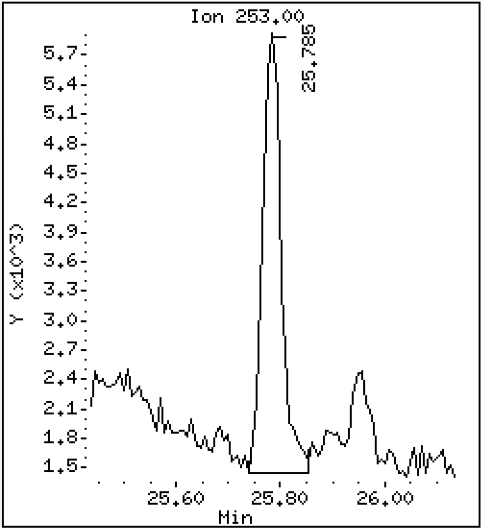

Ion 252.00


Scan 2704 (25.785 min) of NT1423010603.D (Subtracted)


Ion 250.00


76 Benzo(a)pyrene (Reference Spectrum)


Scan 2704 (25.785 min) of NT1423010603.D (% DIFFERENCE)


Ion 253.00

Data File: \\target\share\chem3\nt14.i\20230106.b\NT1423010603.D

Date : 06-JAN-2023 12:48

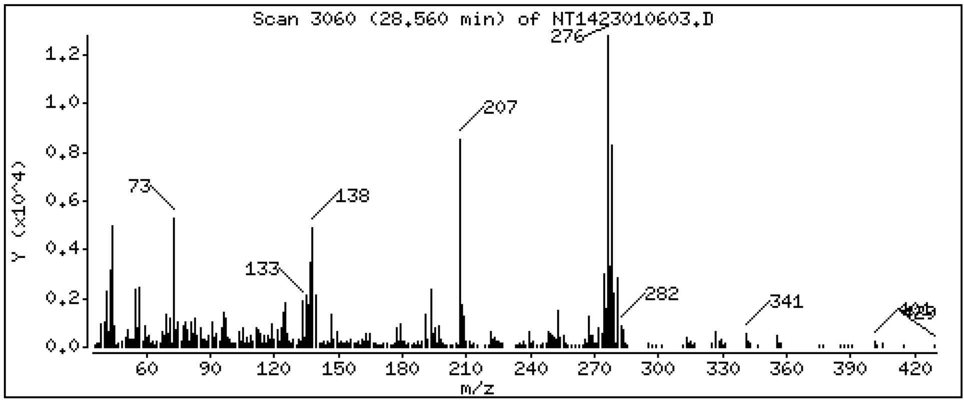
Client ID: Instrument: nt14.i

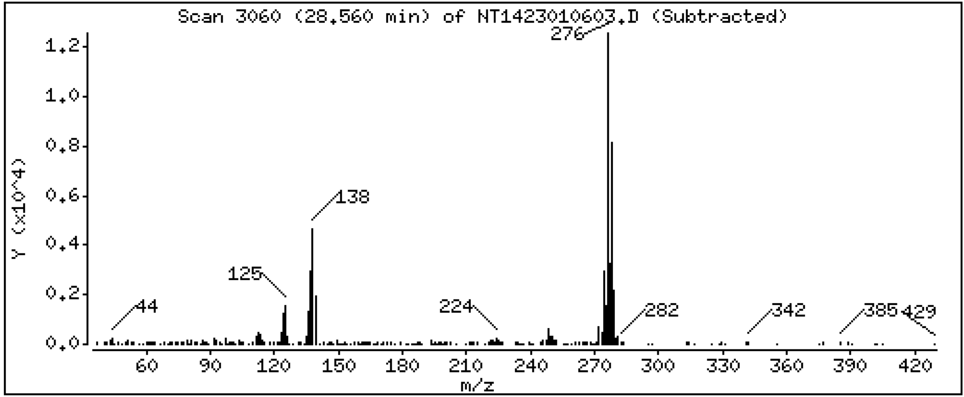
Sample Info: SLA0068-LCV1

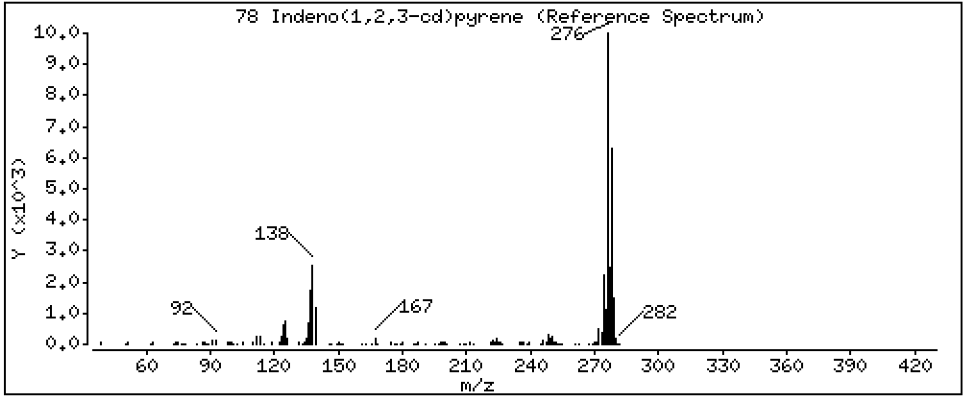
Operator: VTS

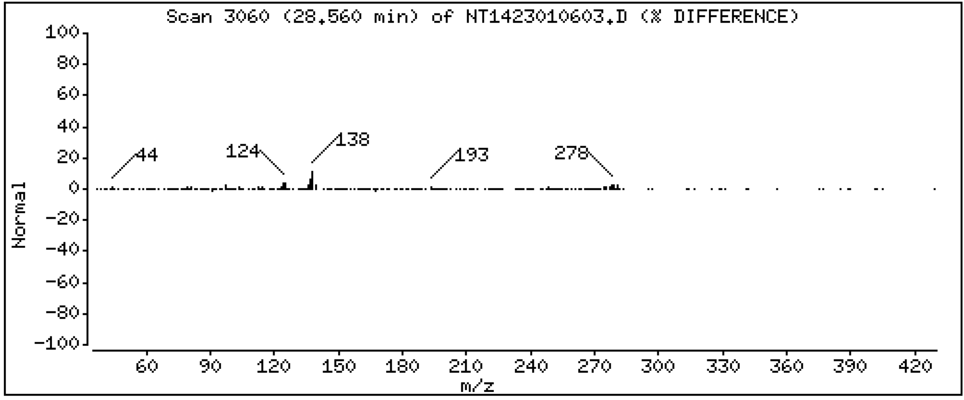
Column phase: ZB-5msi Column diameter: 0.25

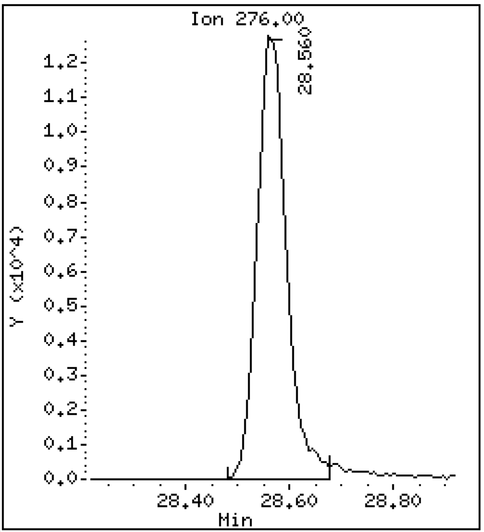
78 Indeno(1,2,3-cd)pyrene Concentration: 0.4679 ug/mL

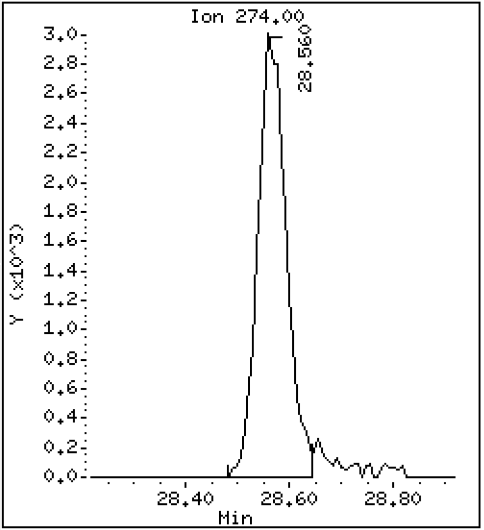


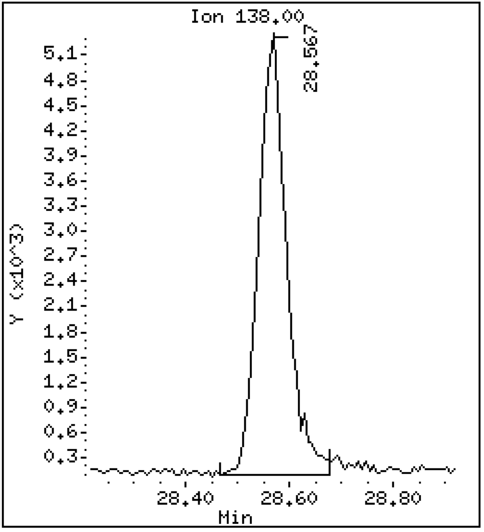












Date : 06-JAN-2023 12:48

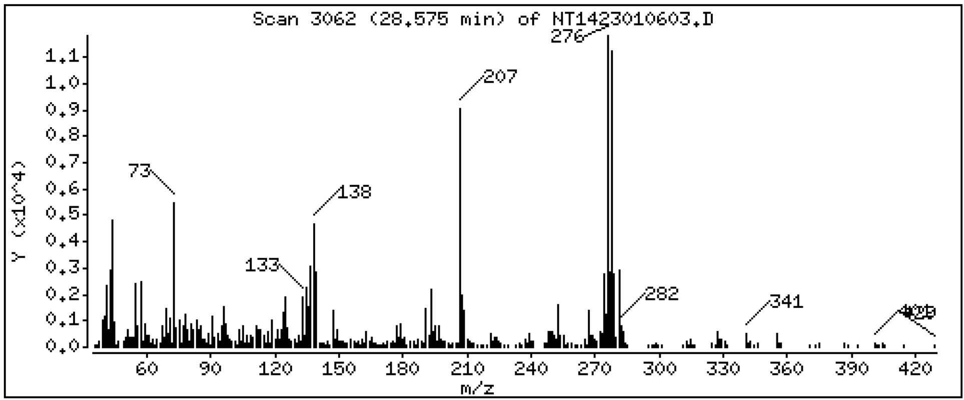
Client ID: Instrument: nt14.i

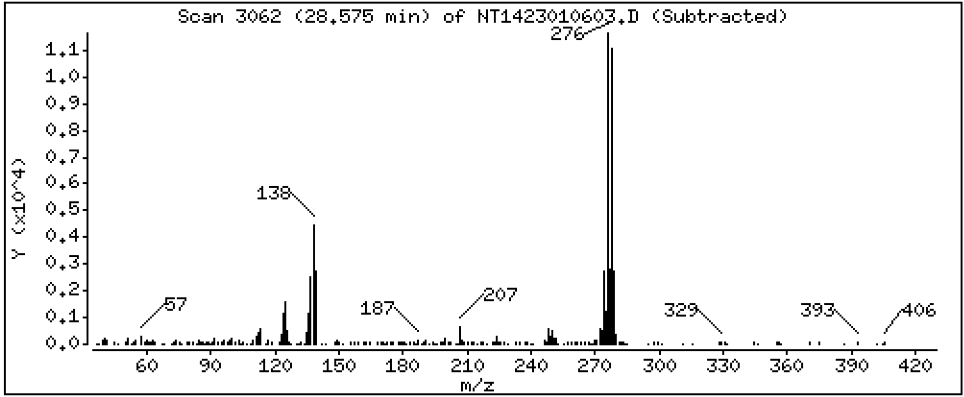
Sample Info: SLA0068-LCV1

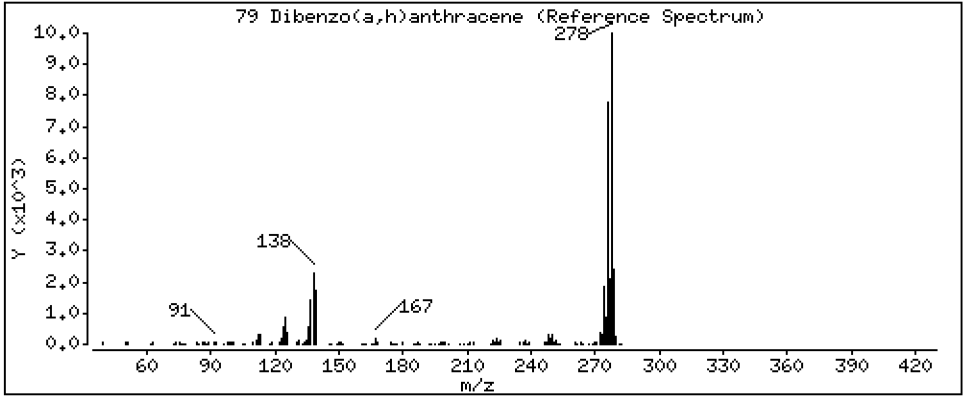
Operator: VTS

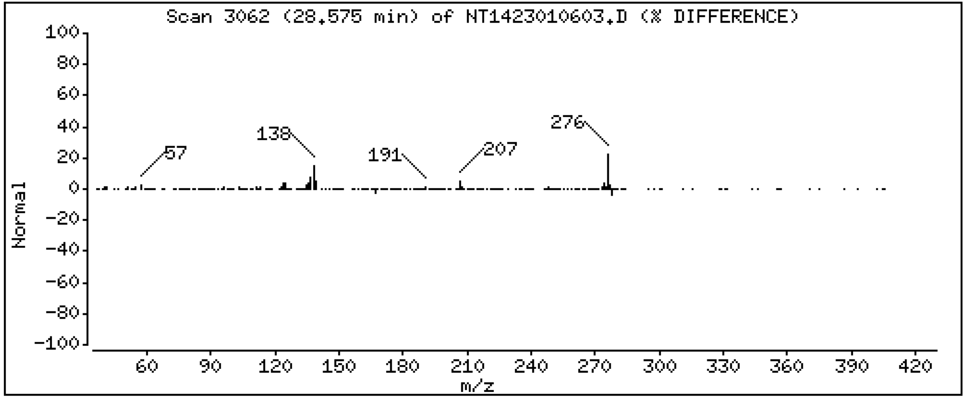
Column phase: ZB-5msi Column diameter: 0.25

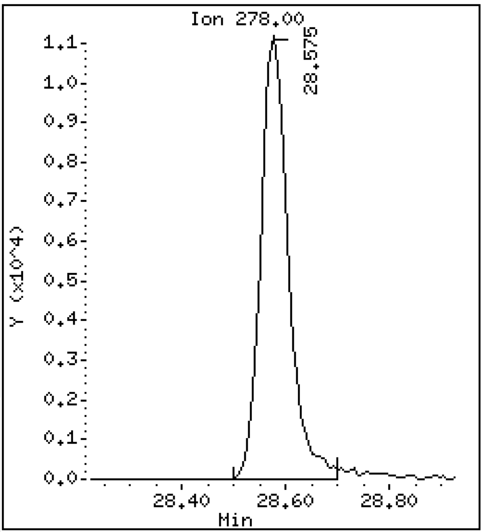
79 Dibenzo(a,h)anthracene Concentration: 0.4516 ug/mL

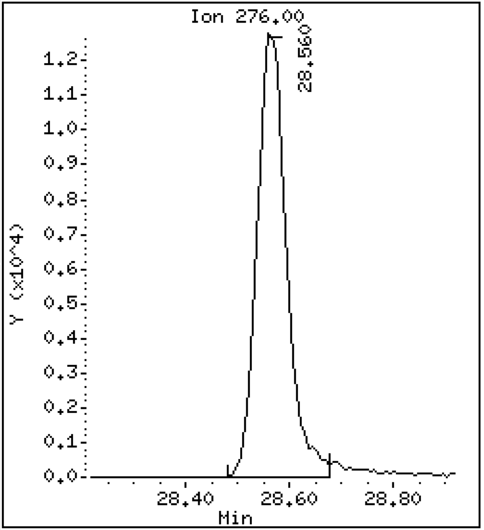


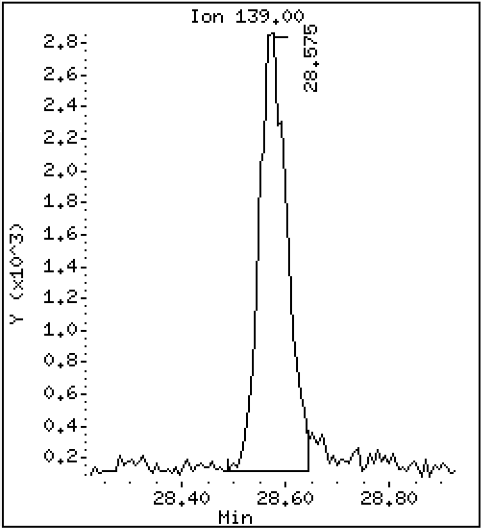












Data File: \\target\share\chem3\nt14.i\20230106.b\NT1423010603.D

Date : 06-JAN-2023 12:48

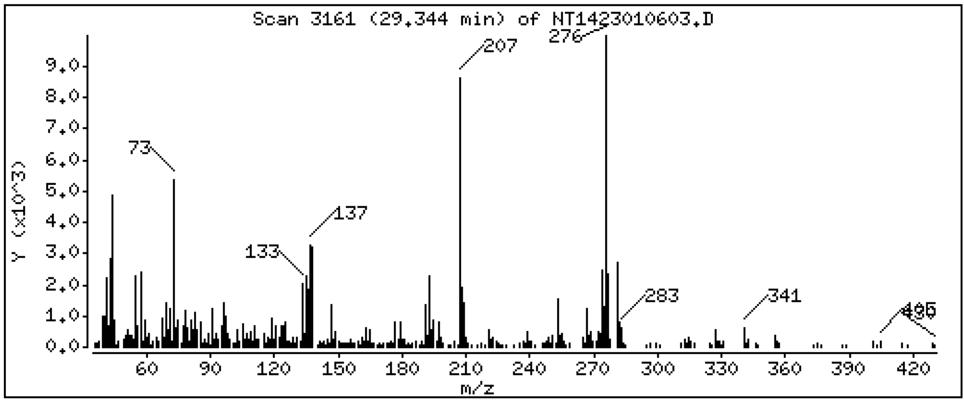
Client ID: Instrument: nt14.i

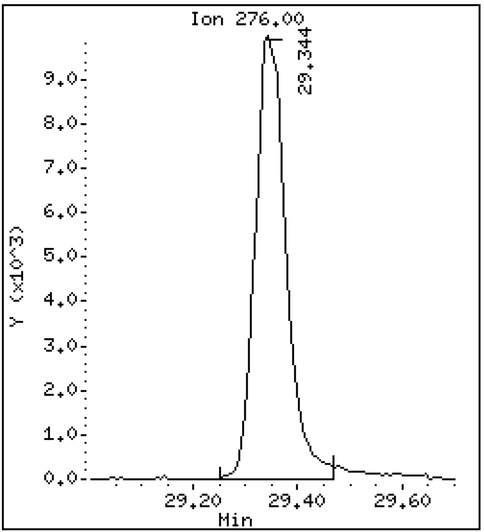
Sample Info: SLA0068-LCV1

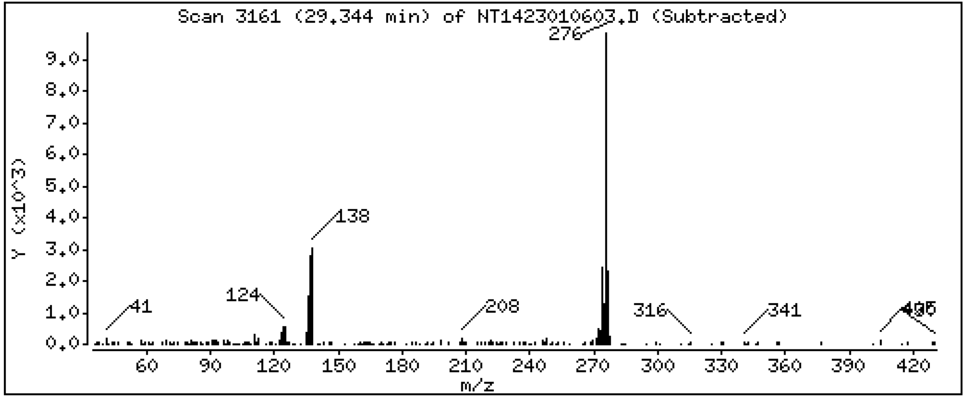
Operator: VTS

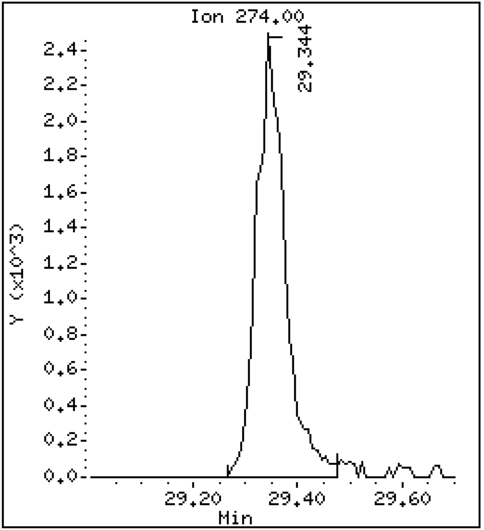
Column phase: ZB-5msi Column diameter: 0.25

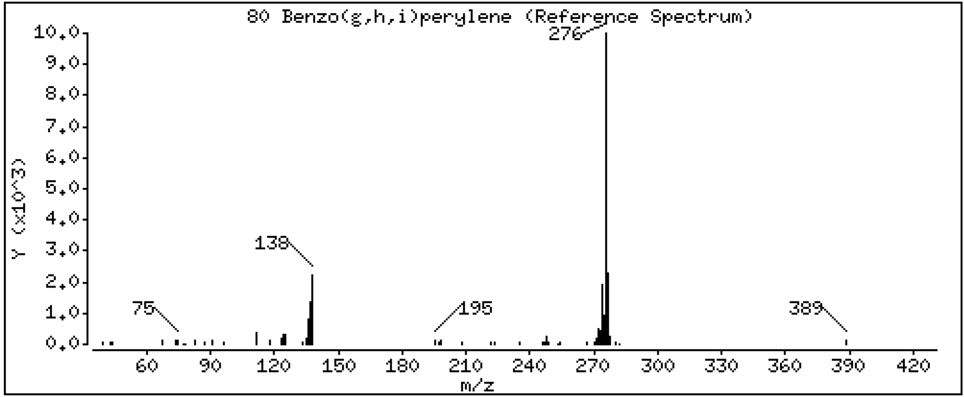
80 Benzo(g,h,i)perylene Concentration: 0.4629 ug/mL

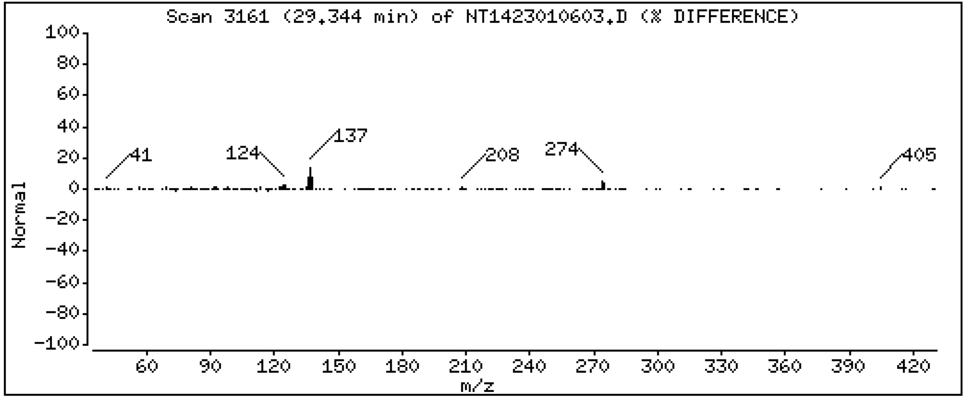

Scan 3161 (29.344 min) of NT1423010603.D

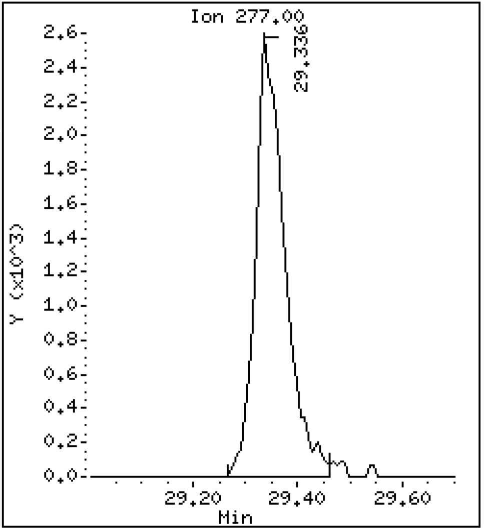

Ion 276.00


Scan 3161 (29.344 min) of NT1423010603.D (Subtracted)


Ion 274.00


80 Benzo(g,h,i)perylene (Reference Spectrum)


Scan 3161 (29.344 min) of NT1423010603.D (% DIFFERENCE)


Ion 277.00

Date : 06-JAN-2023 12:48

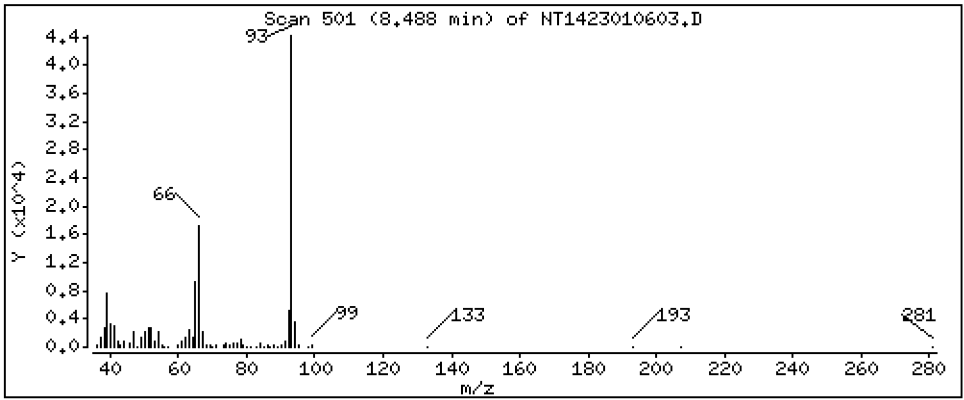
Client ID: Instrument: nt14.i

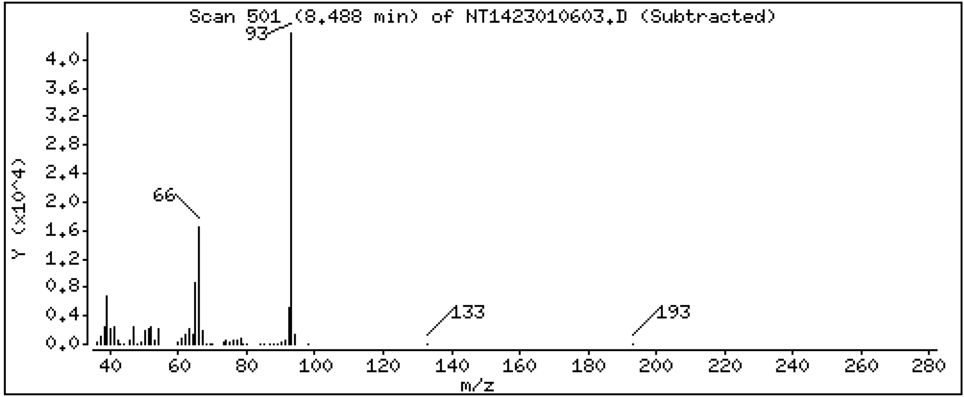
Sample Info: SLA0068-LCV1

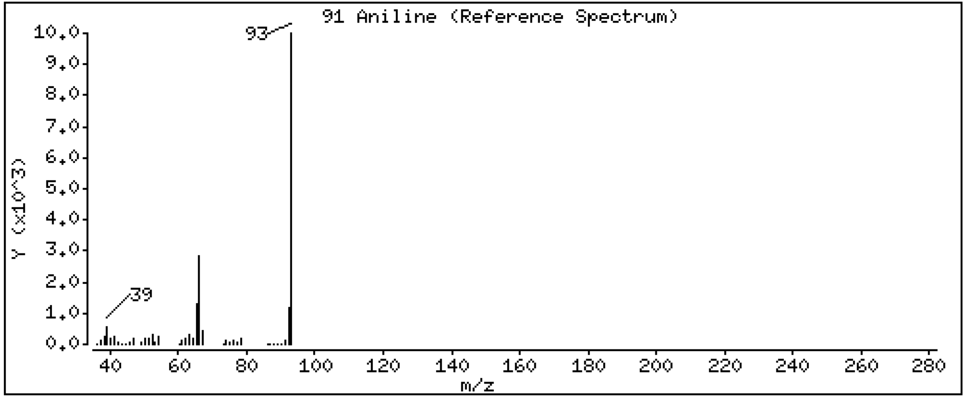
Operator: VTS

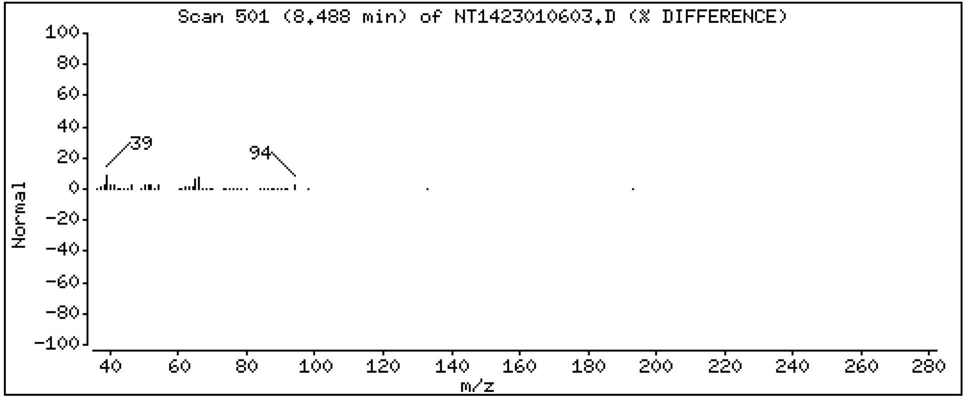
Column phase: ZB-5msi Column diameter: 0.25

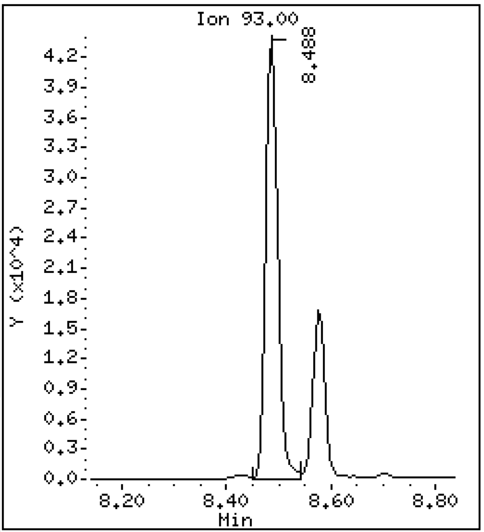
91 Aniline Concentration: 0.9312 ug/mL

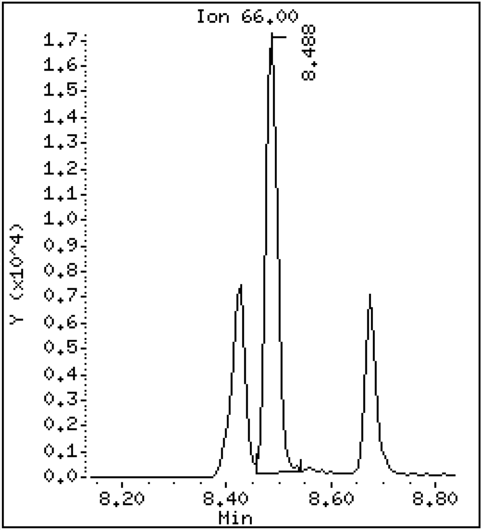


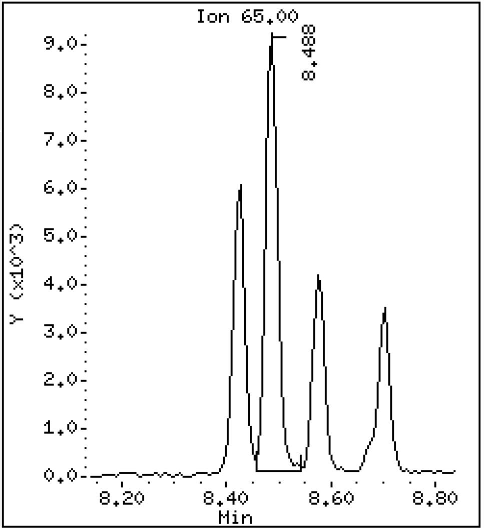












Data File: \\target\share\chem3\nt14.i\20230106.b\NT1423010603.D

Date : 06-JAN-2023 12:48

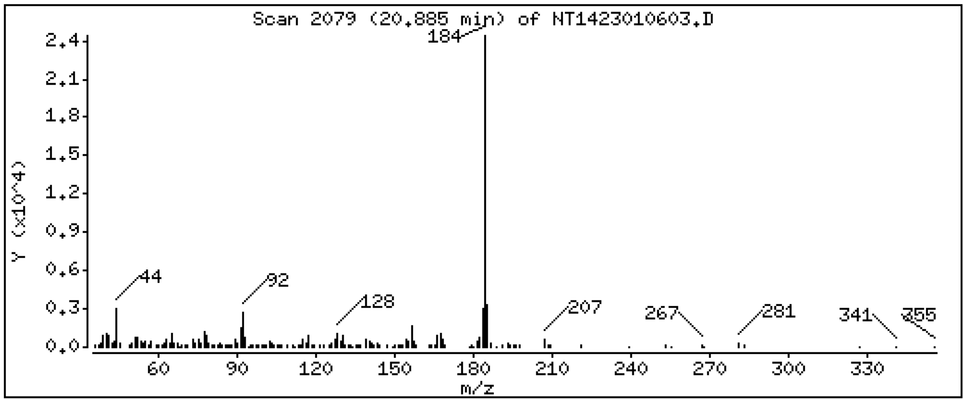
Client ID: Instrument: nt14.i

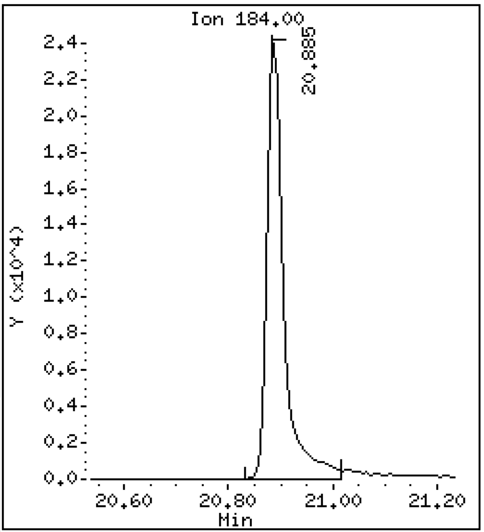
Sample Info: SLA0068-LCV1

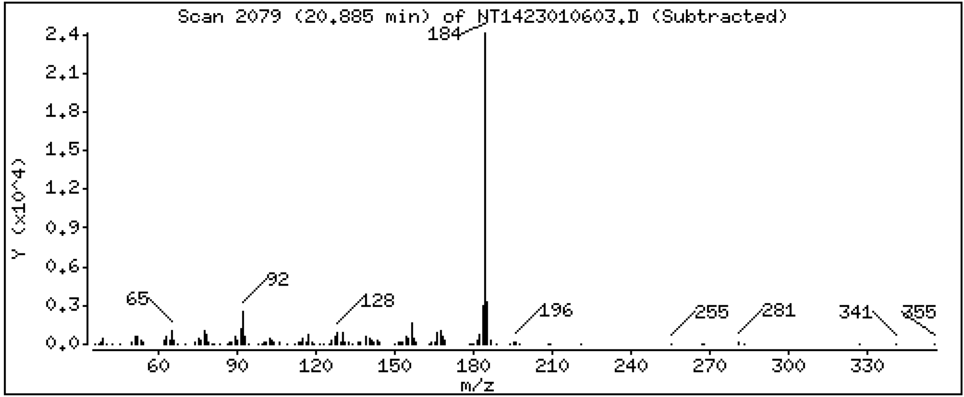
Operator: VTS

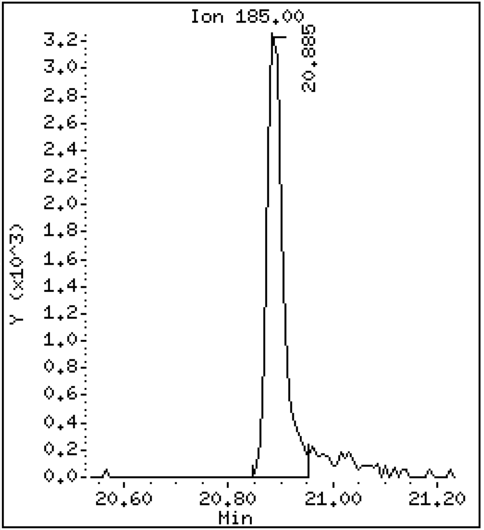
Column phase: ZB-5msi Column diameter: 0.25

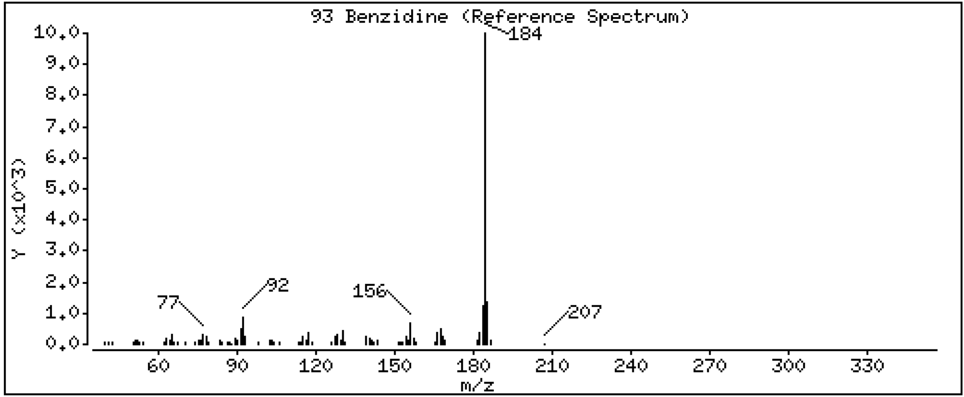
93 Benzidine Concentration: 1.100 ug/mL

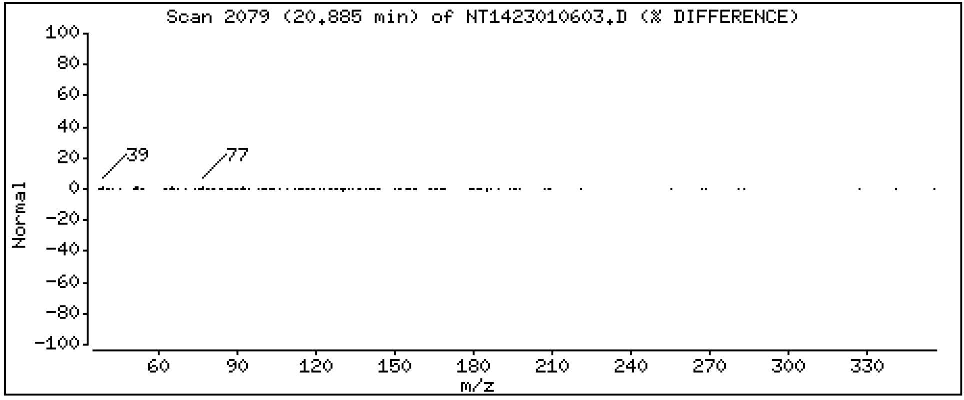


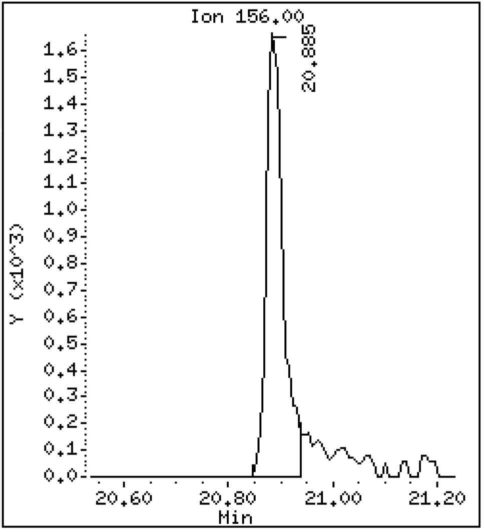












Data File: \\target\share\chem3\nt14.i\20230106.b\NT1423010603.D

Date : 06-JAN-2023 12:48

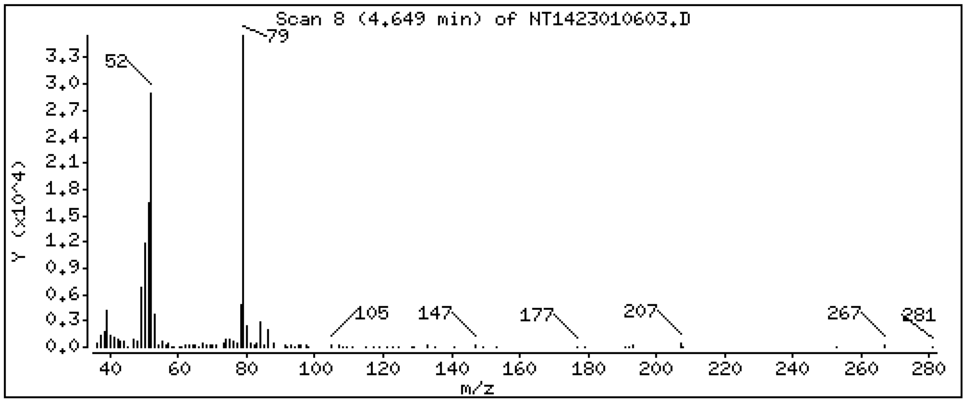
Client ID: Instrument: nt14.i

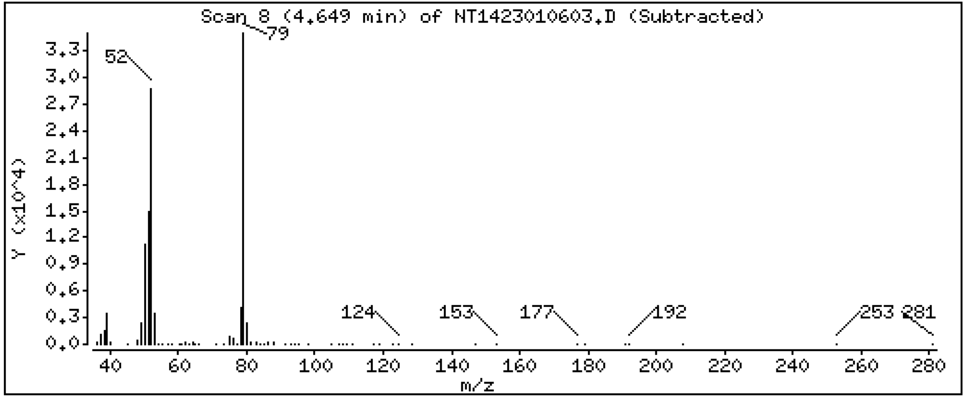
Sample Info: SLA0068-LCV1

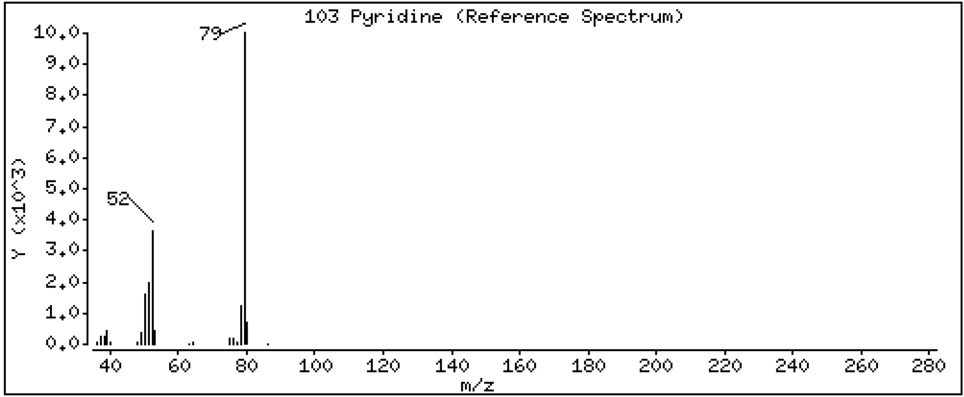
Operator: VTS

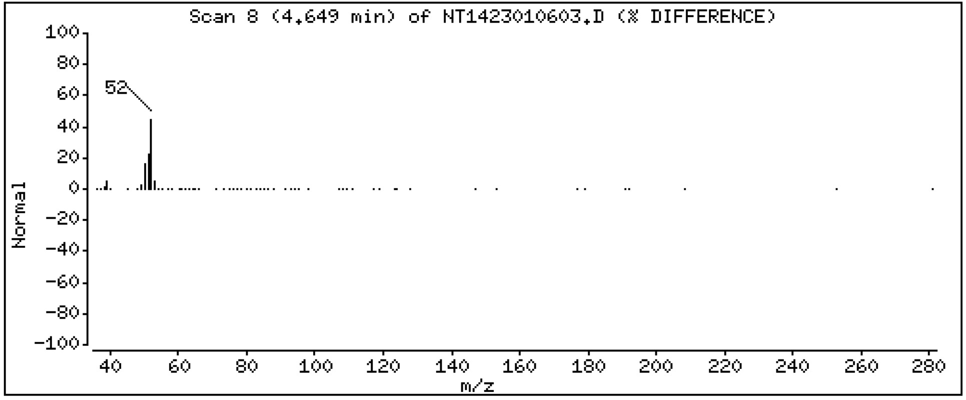
Column phase: ZB-5msi Column diameter: 0.25

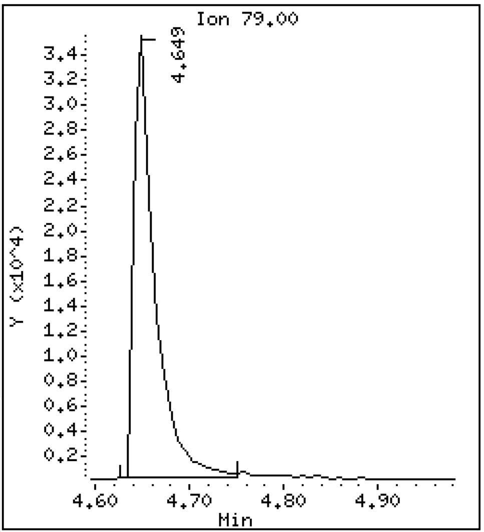
103 Pyridine Concentration: 0.4878 ug/mL

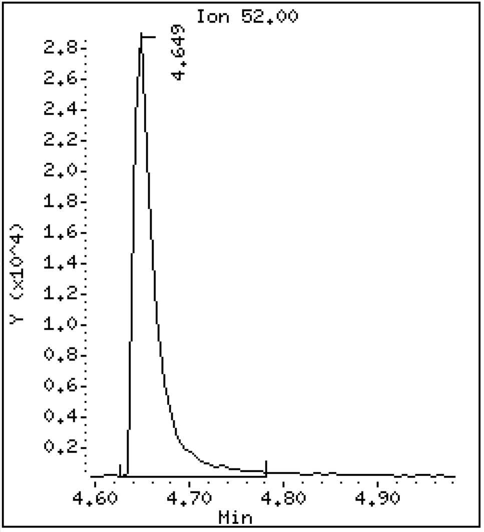

Scan 8 (4.649 min) of NT1423010603.D


Scan 8 (4.649 min) of NT1423010603.D (Subtracted)


103 Pyridine (Reference Spectrum)


Scan 8 (4.649 min) of NT1423010603.D (% DIFFERENCE)


Ion 79.00


Ion 52.00

Data File: \\target\share\chem3\nt14.i\20230106.b\NT1423010603.D

Date : 06-JAN-2023 12:48

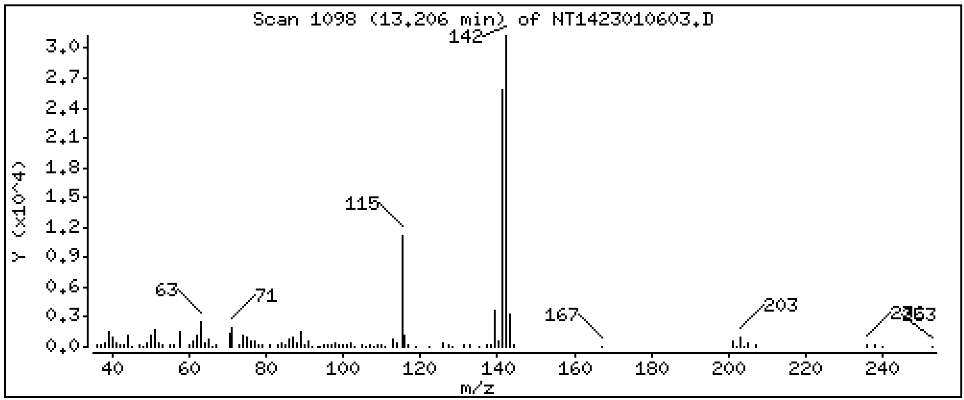
Client ID: Instrument: nt14.i

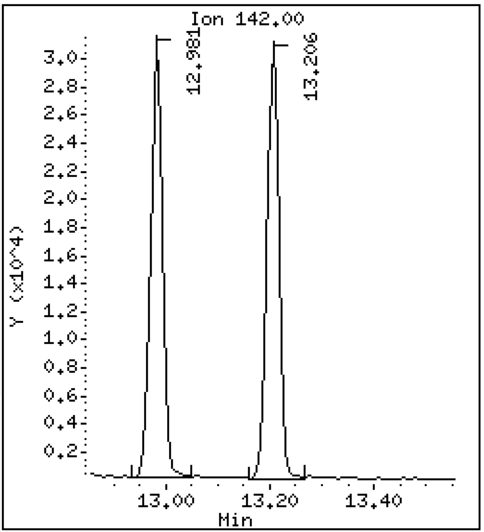
Sample Info: SLA0068-LCV1

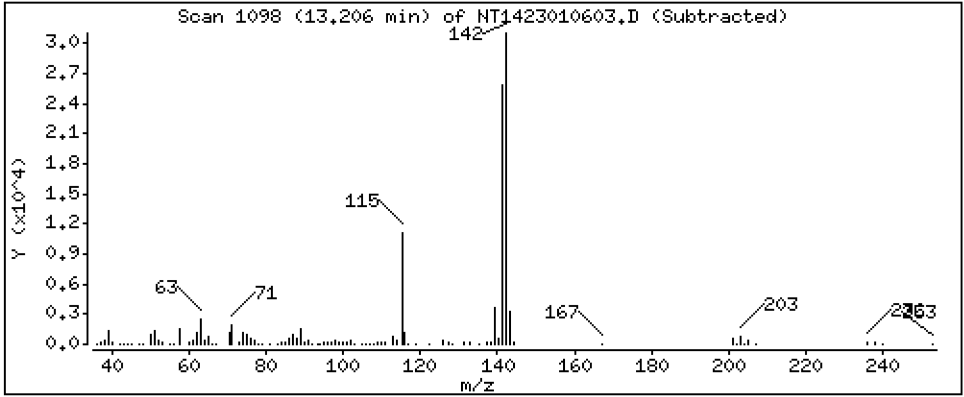
Operator: VTS

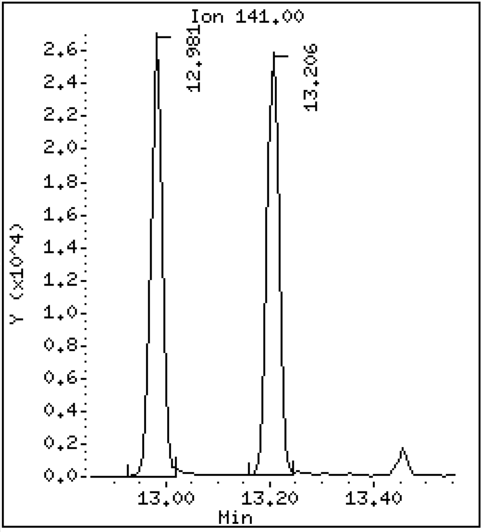
Column phase: ZB-5msi Column diameter: 0.25

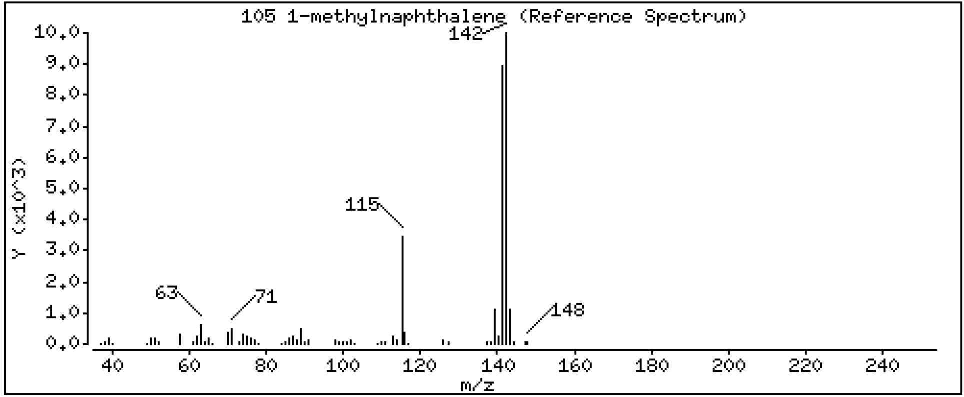
105 1-methylnaphthalene Concentration: 0.4366 ug/mL

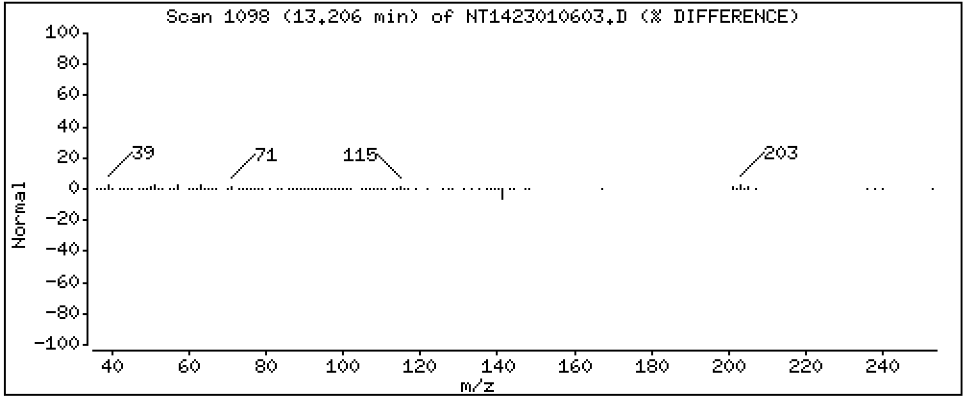

Scan 1098 (13.206 min) of NT1423010603.D


Ion 142.00


Scan 1098 (13.206 min) of NT1423010603.D (Subtracted)


Ion 141.00


105 1-methylnaphthalene (Reference Spectrum)


Scan 1098 (13.206 min) of NT1423010603.D (% DIFFERENCE)

Data File: \\target\share\chem3\nt14.i\20230106.b\NT1423010603.D

Date : 06-JAN-2023 12:48

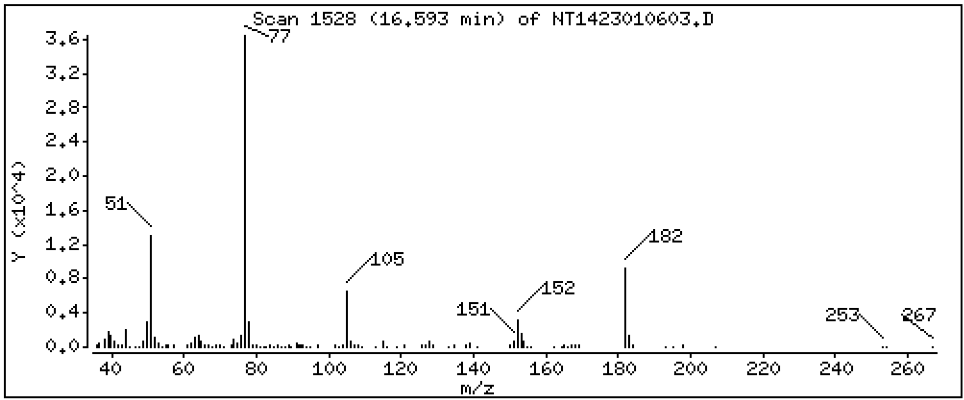
Client ID: Instrument: nt14.i

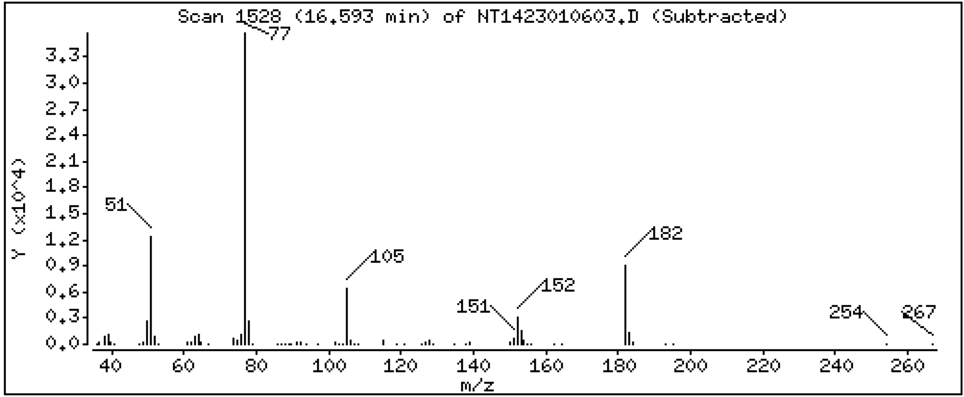
Sample Info: SLA0068-LCV1

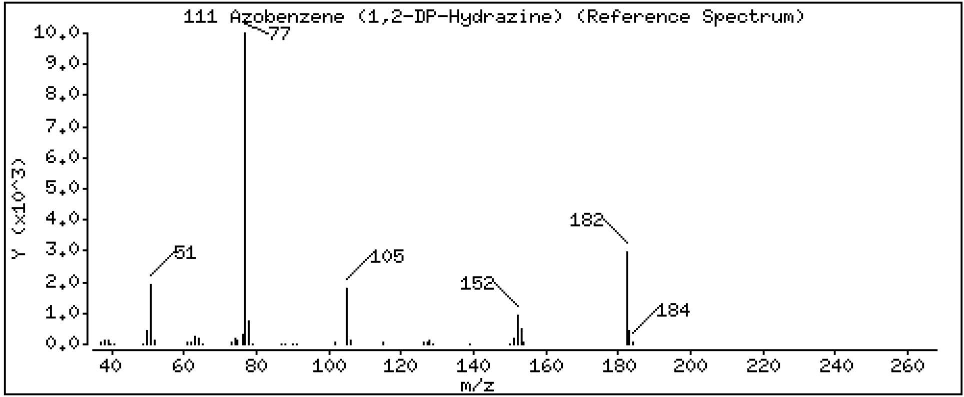
Operator: VTS

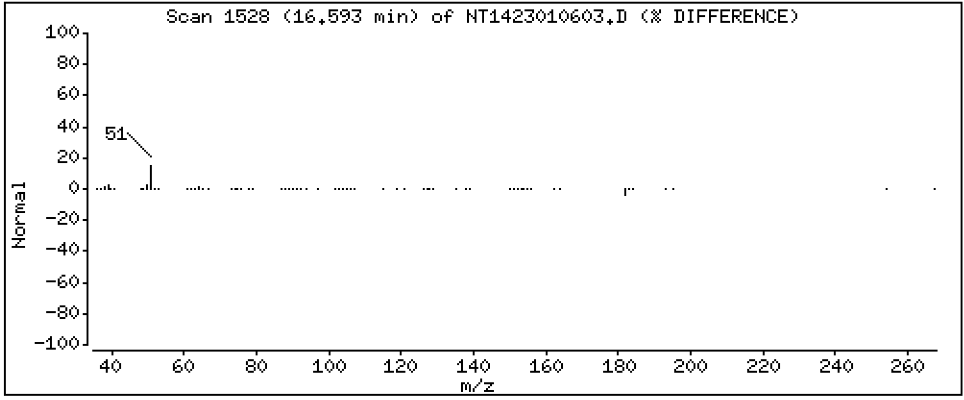
Column phase: ZB-5msi Column diameter: 0.25

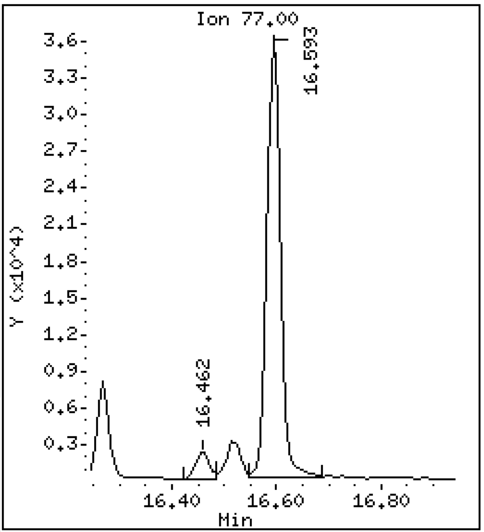
111 Azobenzene (1,2-DP-Hydrazine) Concentration: 0.5482 ug/mL

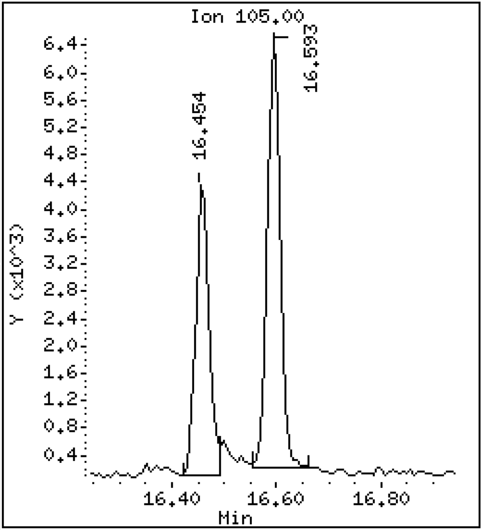


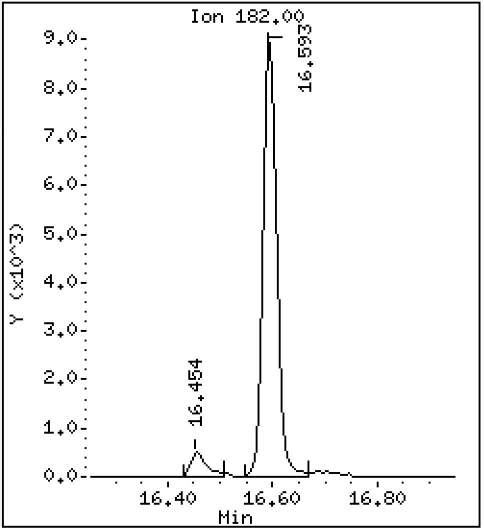












Data File: \\target\share\chem3\nt14.i\20230106.b\NT1423010603.D

Date : 06-JAN-2023 12:48

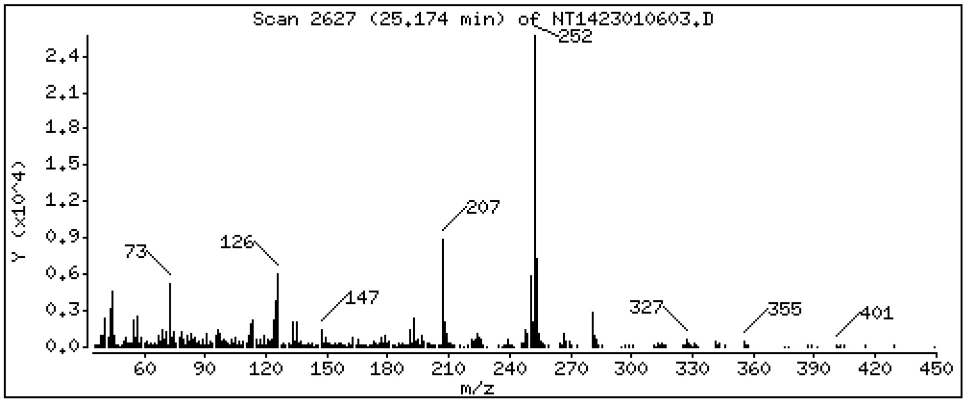
Client ID: Instrument: nt14.i

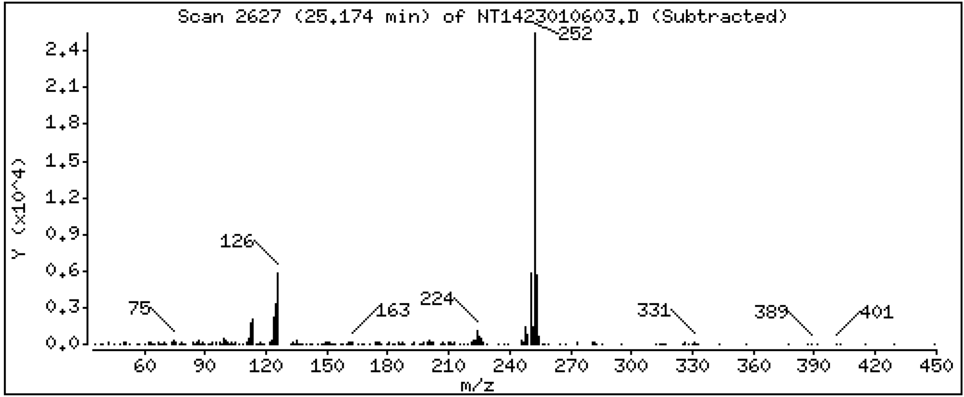
Sample Info: SLA0068-LCV1

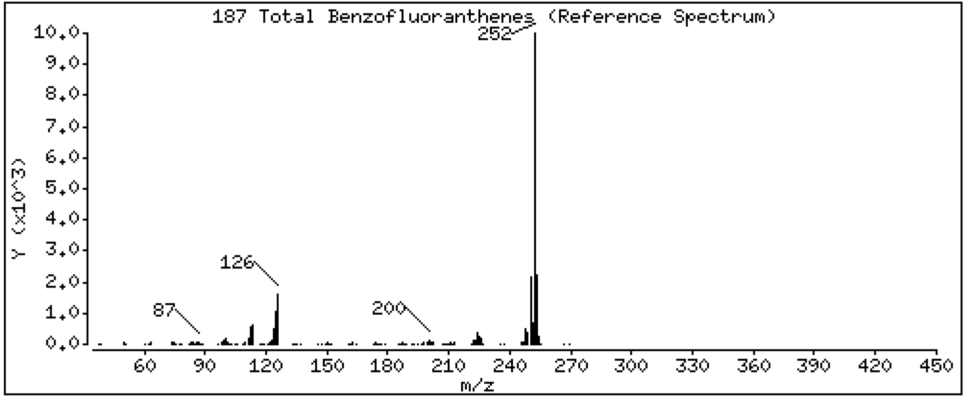
Operator: VTS

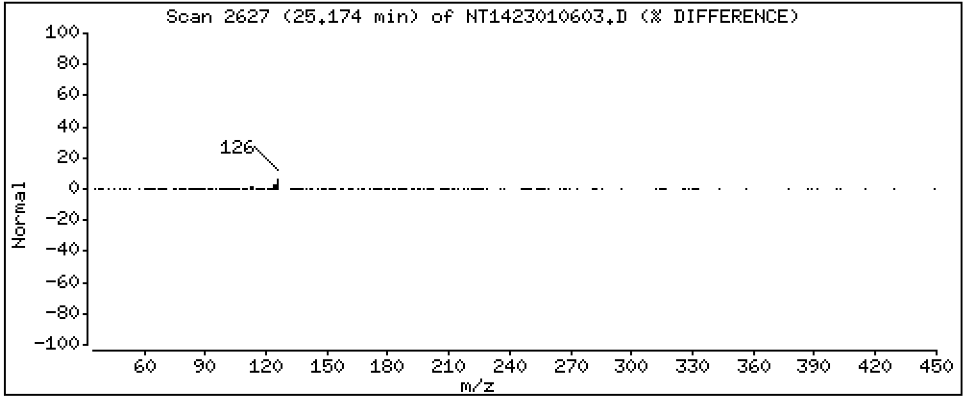
Column phase: ZB-5msi Column diameter: 0.25

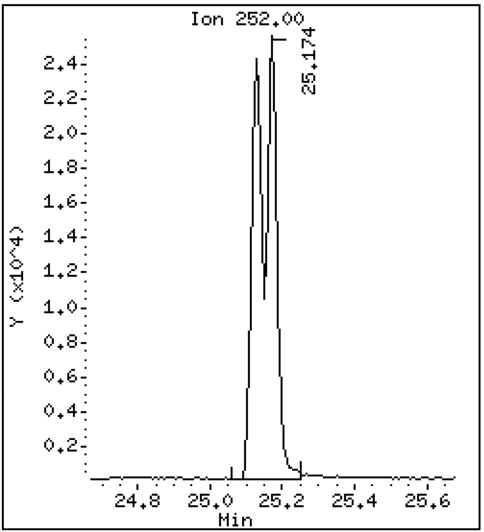
187 Total Benzofluoranthenes Concentration: 0.8865 ug/mL

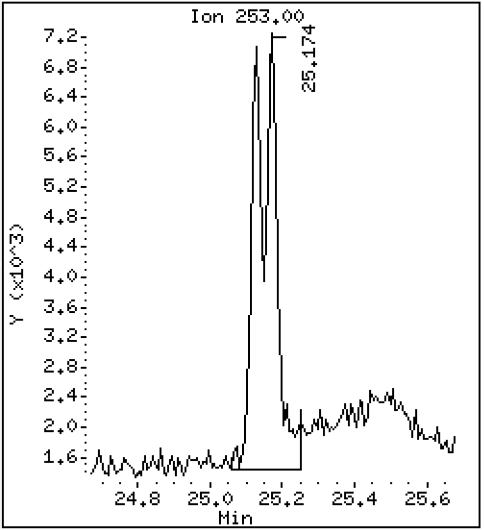


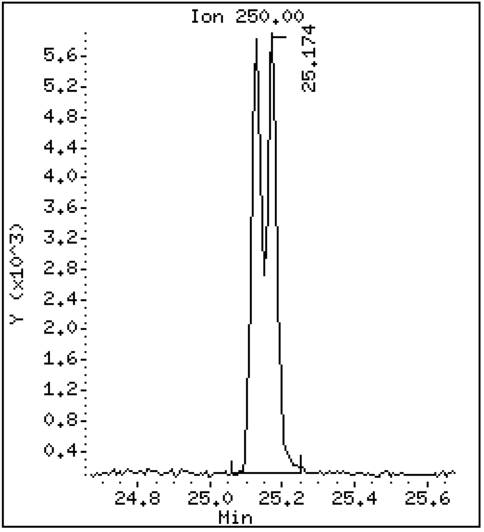












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Date : 06-JAN-2023 12:48

Client ID:

Instrument: nt14.i

Sample Info: SLA0068-LCV1

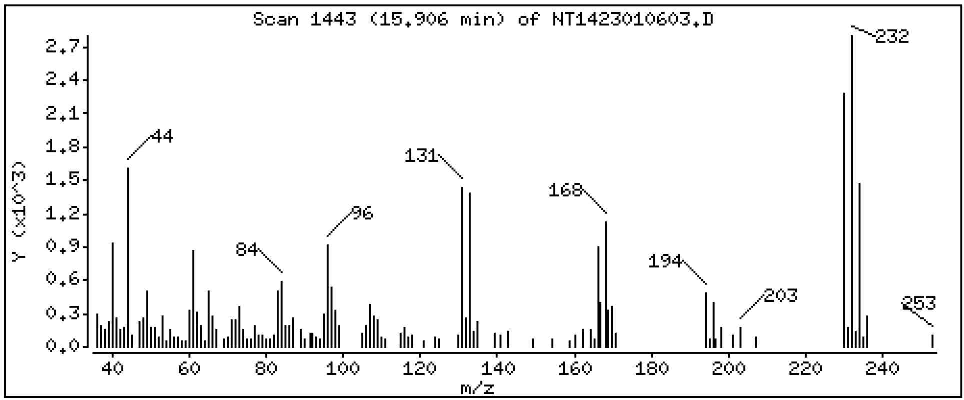
Operator: VTS

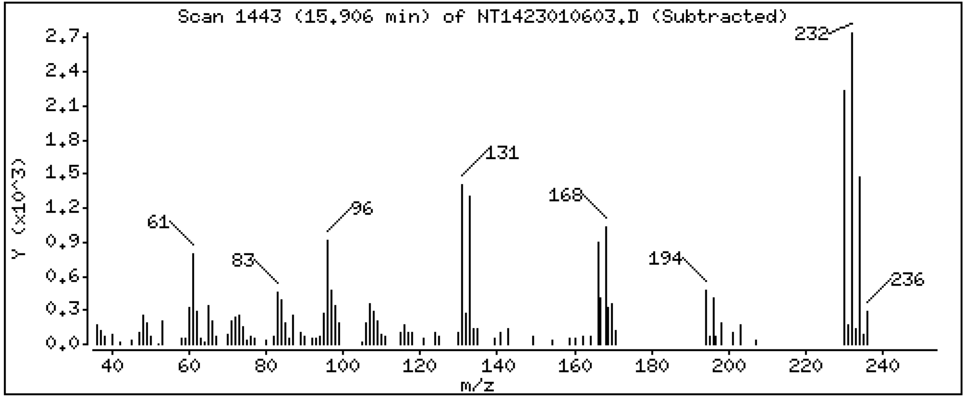
Column phase: ZB-5msi

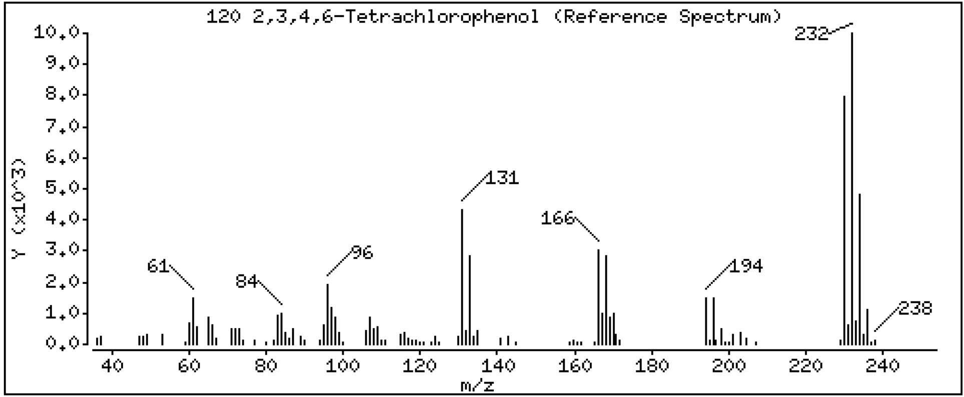
Column diameter: 0.25

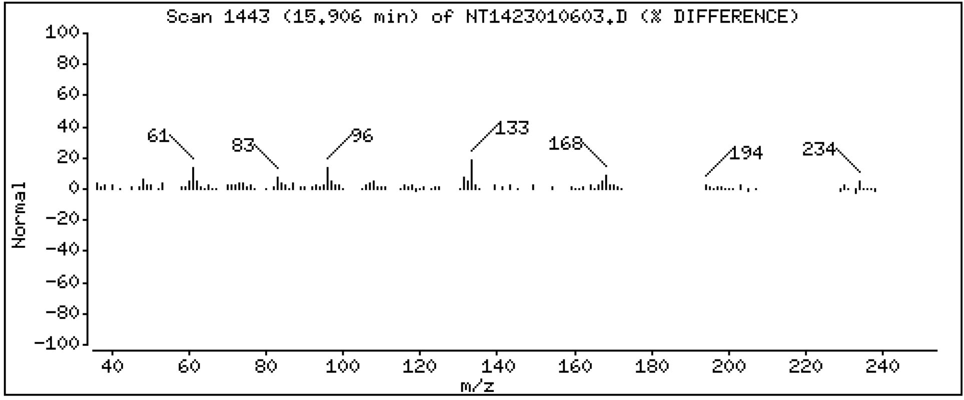
120 2,3,4,6-Tetrachlorophenol

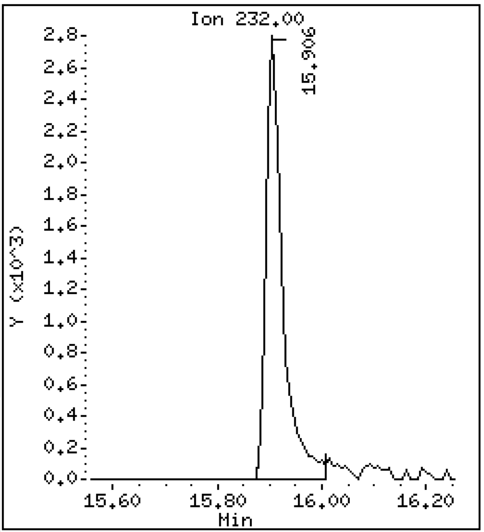
Concentration: 0.2797 ug/mL

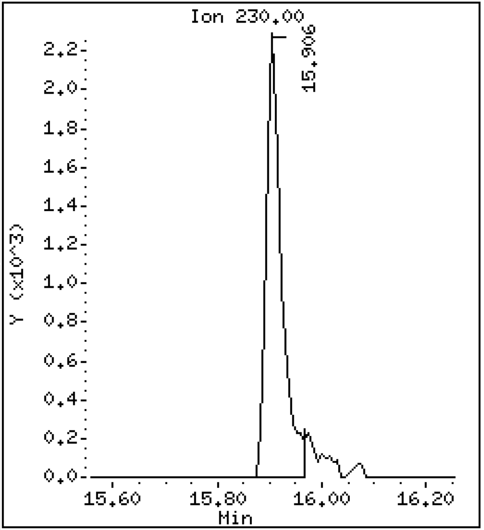


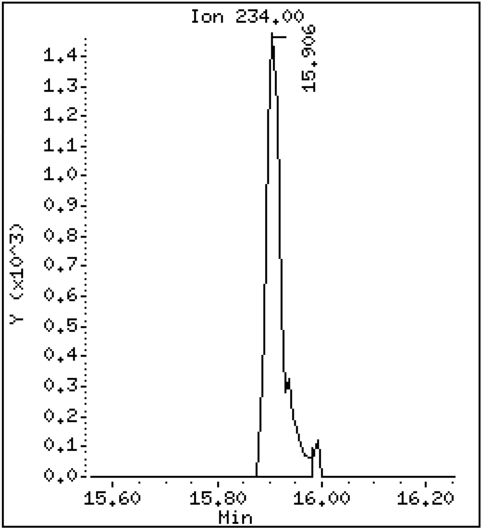












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                                  ARI Labs, Inc.

                       Semivolatile Report SW846 Method 8270D
Data file : \\target\share\chem3\nt14.i\20230106.b\NT1423010603.D
Lab Smp Id: SLA0068-LCV1
Inj Date  : 06-JAN-2023 12:48            MS Autotune Date: 17-MAY-2011 01:22
Operator  : VTS                          Inst ID: nt14.i
Smp Info  : SLA0068-LCV1
Misc Info :
Comment   : 1ul Injection
Method    : \\target\share\chem3\nt14.i\20230106.b\ABN.m
Meth Date : 09-Jan-2023 14:48 deenayd    Quant Type: ISTD
Cal Date  : 30-DEC-2022 11:07            Cal File: NT1422123007.D
Als bottle: 3
Dil Factor: 1.00000
Integrator: HP RTE                       Compound Sublist: ICAL.sub
Target Version:  4.14
Processing Host: DEENAY-201905


                                                                                  CONCENTRATIONS
                                   QUANT SIG                                     ON-COLUMN    FINAL
Compounds                            MASS          RT    EXP RT   REL RT  RESPONSE   (ug/mL)     (ug/mL)
==========================           ====        ==== ======== ======== ========   =======     =======
$   1 2-Fluorophenol                  112         6.811    6.811 (0.754)     35843   0.68380      0.6838
$   2 Phenol-d5                        99         8.403    8.403 (0.930)     41899   0.64681      0.6468
    3 Phenol                           94         8.426    8.426 (0.932)     31338   0.42575      0.4258
$   5 2-Chlorophenol-d4               132         8.673    8.673 (0.960)     37904   0.69672      0.6967
    4 Bis(2-Chloroethyl)ether          93         8.573    8.580 (0.949)     24557   0.48431      0.4843
    6 2-Chlorophenol                  128         8.704    8.704 (0.963)     27229   0.45573      0.4557
    7 1,3-Dichlorobenzene             146         8.975    8.975 (0.993)     29472   0.46518      0.4652
*   8 1,4-Dichlorobenzene-d4          152         9.037    9.037 (1.000)    163613   4.00000
    9 1,4-Dichlorobenzene             146         9.068    9.068 (1.003)     28013   0.46671      0.4667
$  10 1,2-Dichlorobenzene-d4          152         9.402    9.401 (1.040)     17406   0.46811      0.4681
   12 1,2-Dichlorobenzene             146         9.425    9.425 (1.043)     28188   0.47886      0.4789
   11 Benzyl alcohol                  108         9.309    9.308 (1.030)     14131   0.43124      0.4312
   14 2,2'-oxybis(1-Chloropropane)    121         9.611    9.611 (1.064)      8673   0.50820      0.5082(M)
   13 2-Methylphenol                  108         9.541    9.541 (1.056)     22971   0.42948      0.4295
   17 Hexachloroethane                117        10.023   10.022 (1.109)     11557   0.52353      0.5235
   16 N-Nitroso-di-n-propylamine       70         9.868    9.867 (1.092)     17117   0.52535      0.5254
   15 4-Methylphenol                  108         9.813    9.813 (1.086)     22677   0.40191      0.4019
$  18 Nitrobenzene-d5                  82        10.131   10.131 (0.878)     26063   0.50011      0.5001
   19 Nitrobenzene                     77        10.170   10.170 (0.882)     25237   0.48761      0.4876
   20 Isophorone                       82        10.620   10.620 (0.921)     31170   0.47253      0.4725
   21 2-Nitrophenol                   139        10.806   10.806 (0.937)     11150   0.35228      0.3523
   22 2,4-Dimethylphenol              107        10.861   10.868 (0.942)     42986   0.79578      0.7958
   23 Bis(2-Chloroethoxy)methane       93        11.055   11.054 (0.958)     24185   0.47130      0.4713
   24 Benzoic acid                    105        10.969   11.062 (0.951)     10520   0.31984      0.3198
   25 2,4-Dichlorophenol              162        11.264   11.263 (0.977)     30698   0.67418      0.6742
   26 1,2,4-Trichlorobenzene          180        11.450   11.449 (0.993)     26326   0.53471      0.5347
*  27 Naphthalene-d8                  136        11.535   11.542 (1.000)    617145   4.00000
   28 Naphthalene                     128        11.581   11.581 (1.004)     70005   0.46093      0.4609
   29 4-Chloroaniline                 127        11.704   11.704 (1.015)     48798   0.77910      0.7791
   30 Hexachlorobutadiene             225        11.952   11.951 (1.036)     11436   0.46815      0.4682
   31 4-Chloro-3-methylphenol         107        12.679   12.679 (1.099)     30717   0.71486      0.7149
   32 2-Methylnaphthalene             142        12.981   12.981 (1.125)     47639   0.42762      0.4276
   33 Hexachlorocyclopentadiene       237        13.453   13.453 (0.887)     12899   0.56291      0.5629
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                                                                                           CONCENTRATIONS
                                      QUANT SIG                                          ON-COLUMN    FINAL
Compounds                               MASS            RT  EXP RT  REL RT    RESPONSE    (ug/mL)    (ug/mL)
==========================              ====          ==== ======== ======== ========     =======    =======
   34 2,4,6-Trichlorophenol              196        13.608  13.607 (0.897)       17311    0.68418     0.6842
   35 2,4,5-Trichlorophenol              196        13.685  13.685 (0.902)       15375    0.52652     0.5265
$  36 2-Fluorobiphenyl                   172        13.770  13.770 (0.908)       46583    0.45705     0.4570
   37 2-Chloronaphthalene                162        13.979  13.979 (0.921)       39320    0.45349     0.4535
   38 2-Nitroaniline                      65        14.235  14.234 (0.938)       21716    0.95264     0.9526
   39 Dimethylphthalate                  163        14.668  14.668 (0.967)       41339    0.48356     0.4836
   40 Acenaphthylene                     152        14.854  14.853 (0.979)       61272    0.46345     0.4635
   41 2,6-Dinitrotoluene                 165        14.807  14.807 (0.976)       16335    0.84668     0.8467
*  42 Acenaphthene-d10                   164        15.171  15.171 (1.000)      303137    4.00000
   43 3-Nitroaniline                     138        15.094  15.093 (0.995)       19274    0.82195     0.8220
   44 Acenaphthene                       153        15.233  15.232 (1.004)       38521    0.46977     0.4698
   45 2,4-Dinitrophenol                  184        15.310  15.302 (1.009)        4220    0.25743     0.2574
   46 Dibenzofuran                       168        15.565  15.565 (1.026)       56248    0.45742     0.4574
   47 4-Nitrophenol                      109        15.442  15.426 (1.018)        6510    0.57970     0.5797
   48 2,4-Dinitrotoluene                 165        15.612  15.619 (1.029)       20854    0.78782     0.7878
   50 Diethylphthalate                   149        16.130  16.137 (1.063)       62182    0.53514     0.5351
   49 Fluorene                           166        16.276  16.276 (1.073)       60475    0.46230     0.4623
   51 4-Chlorophenyl-phenylether         204        16.269  16.268 (1.072)       27044    0.42227     0.4223
   52 4-Nitroaniline                     138        16.361  16.361 (1.078)       25291    0.89513     0.8951
   53 4,6-Dinitro-2-methylphenol         198        16.461  16.461 (0.904)       16406    0.76869     0.7687
   54 N-Nitrosodiphenylamine             169        16.523  16.523 (0.907)       39335    0.45129     0.4513
$  55 2,4,6-Tribromophenol               330        16.816  16.816 (1.108)        7383    0.51904     0.5190
   56 4-Bromophenyl-phenylether          248        17.279  17.278 (0.949)       14181    0.42967     0.4297
   57 Hexachlorobenzene                  284        17.596  17.595 (0.966)       16055    0.44328     0.4433
   58 Pentachlorophenol                  266        17.960  17.952 (0.986)        1753    0.11176     0.1118
*  59 Phenanthrene-d10                   188        18.215  18.215 (1.000)      507941    4.00000
   60 Phenanthrene                       178        18.261  18.261 (1.003)       60670    0.45811     0.4581
   61 Anthracene                         178        18.354  18.354 (1.008)       58084    0.45942     0.4594
   62 Carbazole                          167        18.687  18.687 (1.026)       56466    0.46199     0.4620
   63 Di-n-butylphthalate                149        19.484  19.484 (1.070)       66302    0.47946     0.4795
   64 Fluoranthene                       202        20.652  20.652 (0.888)       60359    0.48654     0.4865
   65 Pyrene                             202        21.078  21.077 (0.906)       63331    0.48553     0.4855
$  66 Terphenyl-d14                      244        21.364  21.364 (0.918)       43603    0.47145     0.4714
   67 Butylbenzylphthalate               149        22.285  22.285 (0.958)       27814    0.56465     0.5646
   68 Benzo(a)anthracene                 228        23.246  23.245 (0.999)       54488    0.46684     0.4668
*  69 Chrysene-d12                       240        23.269  23.268 (1.000)      385291    4.00000
   70 3,3'-Dichlorobenzidine             252        23.199  23.199 (0.997)       55295    1.54759      1.548
   71 Chrysene                           228        23.315  23.315 (1.002)       51625    0.46826     0.4683
   72 bis(2-Ethylhexyl)phthalate         149        23.315  23.315 (0.960)       36932    0.48334     0.4833
* 134 Di-n-octylphthalate-d4             153        24.298  24.298 (1.000)      688020    4.00000
   73 Di-n-octylphthalate                149        24.306  24.306 (1.000)       76829    0.46520     0.4652
   74 Benzo(b)fluoranthene               252        25.127  25.126 (0.970)       48970    0.43157     0.4316
   75 Benzo(k)fluoranthene               252        25.173  25.173 (0.972)       52002    0.45028     0.4503
   76 Benzo(a)pyrene                     252        25.785  25.784 (0.996)       45597    0.48340     0.4834
*  77 Perylene-d12                       264        25.901  25.901 (1.000)      361053    4.00000
   78 Indeno(1,2,3-cd)pyrene             276        28.559  28.567 (1.103)       50172    0.46790     0.4679
   79 Dibenzo(a,h)anthracene             278        28.575  28.574 (1.103)       41146    0.45156     0.4516
   80 Benzo(g,h,i)perylene               276        29.344  29.351 (1.133)       41583    0.46292     0.4629
   90 N-Nitrosodimethylamine               74            Compound Not Detected.
   91 Aniline                             93         8.488   8.487 (0.939)       66741    0.93124     0.9312
   93 Benzidine                          184        20.884  20.884 (0.898)       52076    1.10015      1.100
  103 Pyridine                            79         4.649   4.633 (0.514)       55953    0.48778     0.4878
  105 1-methylnaphthalene                142        13.205  13.205 (1.145)       46739    0.43664     0.4366
  111 Azobenzene (1,2-DP-Hydrazine)       77        16.593  16.592 (1.094)       61713    0.54821     0.5482
```

```
                                                                                                 CONCENTRATIONS
                                             QUANT SIG                                         ON-COLUMN    FINAL
Compounds                                      MASS          RT    EXP RT   REL RT  RESPONSE    (ug/mL)    (ug/mL)
==========================                     ====        ==== ======== ======== ========     =======    =======
  187 Total Benzofluoranthenes                  252       25.173  25.173 (0.972)      97248    0.88649     0.8865
  120 2,3,4,6-Tetrachlorophenol                 232       15.905  15.905 (1.048)       5976    0.27970     0.2797
```

QC Flag Legend

M - Compound response manually integrated.

Data File: \\target\share\chem3\nt14.i\20230106.b\NT1423010603.D Page 1
Report Date: 09-Jan-2023 15:25

ARI Labs, Inc.

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: nt14.i
Lab File ID: NT1423010603.D
Lab Smp Id: SLA0068-LCV1
Analysis Type: SV
Quant Type: ISTD
Operator: VTS
Method File: \\target\share\chem3\nt14.i\20230106.b\ABN.m
Misc Info:

Calibration Date: 06-JAN-2023
Calibration Time: 12:05
Level:
Sample Type:

Test Mode:
Use Last Continuing Calibrator.

		AREA LIMIT			
COMPOUND	STANDARD	LOWER	UPPER	SAMPLE	%DIFF
8 1,4-Dichlorobenze	134115	67058	268230	163613	21.99
27 Naphthalene-d8	499117	249559	998234	617145	23.65
42 Acenaphthene-d10	260320	130160	520640	303137	16.45
59 Phenanthrene-d10	432406	216203	864812	507941	17.47
69 Chrysene-d12	317887	158944	635774	385291	21.20
134 Di-n-octylphthala	664061	332031	1328122	688020	3.61
77 Perylene-d12	313716	156858	627432	361053	15.09

		RT LIMIT			
COMPOUND	STANDARD	LOWER	UPPER	SAMPLE	%DIFF
8 1,4-Dichlorobenze	9.04	8.54	9.54	9.04	0.00
27 Naphthalene-d8	11.54	11.04	12.04	11.54	-0.06
42 Acenaphthene-d10	15.17	14.67	15.67	15.17	0.00
59 Phenanthrene-d10	18.22	17.72	18.72	18.22	0.00
69 Chrysene-d12	23.27	22.77	23.77	23.27	0.00
134 Di-n-octylphthala	24.30	23.80	24.80	24.30	0.00
77 Perylene-d12	25.90	25.40	26.40	25.90	0.00

AREA UPPER LIMIT = +100% of internal standard area.
AREA LOWER LIMIT = - 50% of internal standard area.
RT UPPER LIMIT = + 0.50 minutes of internal standard RT.
RT LOWER LIMIT = - 0.50 minutes of internal standard RT.

```
REVIEW SUMMARY FOR FILE - NT1423010603.D

Lab ID: SLA0068-LCV1
nt14.i,  20230106.b\ABN.m,    06-JAN-2023 12:48

     RT      CO-ELUTION COMPOUNDS
---------------------------------------------------------------------------

            NO CO-ELUTIONS


Quant Method: ICAL



        RRT CHECK

   RRT    CCV RRT   DELTA    COMPOUND
 -------------------------------------

  0.951    0.958   -0.0074   Benzoic acid

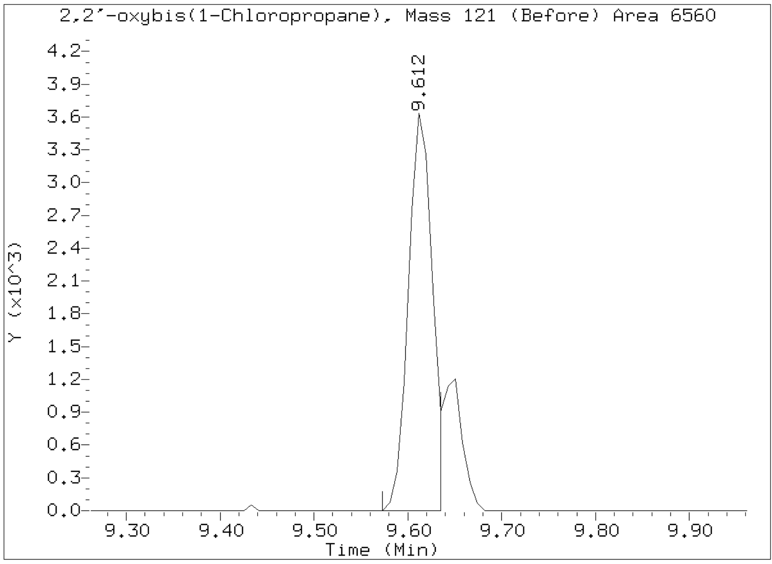
  RRT check based on Ccal File: NT1423010602.D

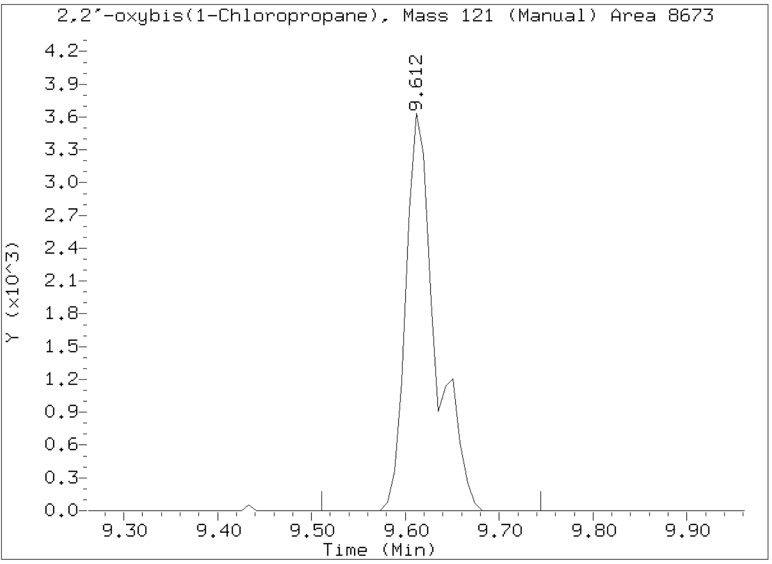

 On Column LOD for nt14.i, 20230106.b\ABN.m, ICAL.sub = 0.0000


 * Only compounds listed in the work order have been verified by the analyst *
```

Quant Ion Manual Peak Adjustment Report

Datafile: //target/share/chem3/nt14.i/20230106.b/NT1423010603.D
Injection Date: 06-JAN-2023 12:48
Lab ID:SLA0068-LCV1 Client ID:
Report Date: 01/09/2023 15:25





APPROVED

By Deenay Dunmore at 3:35 pm, Jan 09, 2023

Analytical Resources, LLC
Analytical Chemists and Consultants

LOW-CONCENTRATION
CONTINUING CALIBRATION CHECK
EPA 8270E

Laboratory:	Analytical Resources, LLC	SDG:	22L0307
Client:	Anchor QEA, LLC	Project:	AOC4 UR Phase 3
Instrument ID:	NT14	Calibration:	FL00066
Lab File ID:	NT1423010620.D	Calibration Date:	12/30/2022
Sequence:	SLA0068	Injection Date:	01/06/23
Lab Sample ID:	SLA0068-LCV2	Injection Time:	23:03
Sequence Name:	ABN 0.5		

COMPOUND	TYPE	CONC. (ug/mL)		RESPONSE FACTOR (RRF)			% DRIFT/DIFF	
		STD	CCV	ICAL	CCV	MIN	CCV	LIMIT
Phenol	A	0.50000	0.4	1.7995200	1.3047500		-27.5	+/-50
bis(2-chloroethyl) ether	A	0.50000	0.5	1.2396270	1.1786620		-4.9	+/-50
2-Chlorophenol	A	0.50000	0.4	1.4607190	1.2271020		-16.0	+/-50
1,3-Dichlorobenzene	A	0.50000	0.5	1.5489360	1.4589990		-5.8	+/-50
1,4-Dichlorobenzene	A	0.50000	0.5	1.4674070	1.3570480		-7.5	+/-50
1,2-Dichlorobenzene	A	0.50000	0.5	1.4391100	1.3280060		-7.7	+/-50
Benzyl Alcohol	A	0.50000	0.6	0.8011083	1.0040230		25.3	+/-50
2,2'-Oxybis(1-chloropropane)	A	0.50000	0.5	0.4172325	0.3837760		-8.0	+/-50
2-Methylphenol	A	0.50000	0.4	1.3076140	1.0289320		-21.3	+/-50
Hexachloroethane	A	0.50000	0.5	0.5396966	0.5019288		-7.0	+/-50
N-Nitroso-di-n-Propylamine	A	0.50000	0.5	0.7965591	0.8212829		3.1	+/-50
4-Methylphenol	A	0.50000	0.3	1.3794240	0.9103935		-34.0	+/-50
Nitrobenzene	A	0.50000	0.5	0.3354574	0.3303139		-1.5	+/-50
Isophorone	A	0.50000	0.5	0.4275424	0.4142082		-3.1	+/-50
2-Nitrophenol	A	0.50000	0.4	0.2064997	0.1766306		-14.0	+/-50
2,4-Dimethylphenol	A	1.0000	0.7	0.3501131	0.2504046		-28.5	+/-50
Bis(2-Chloroethoxy)methane	A	0.50000	0.5	0.3325989	0.3077276		-7.5	+/-50
2,4-Dichlorophenol	A	1.0000	0.6	0.2951237	0.1829990		-38.0	+/-50
1,2,4-Trichlorobenzene	A	0.50000	0.5	0.3191088	0.3498627		9.6	+/-50
Naphthalene	A	0.50000	0.5	0.9843833	0.9245211		-6.1	+/-50
Benzoic acid	A	2.0000	0.1	0.1508906	0.0110714		-94.8	+/-50 *
4-Chloroaniline	A	1.0000	0.8	0.4059568	0.3287425		-19.0	+/-50
Hexachlorobutadiene	A	0.50000	0.6	0.1583286	0.1819238		14.9	+/-50
4-Chloro-3-Methylphenol	A	1.0000	0.6	0.2785027	0.1625480		-41.6	+/-50
2-Methylnaphthalene	A	0.50000	0.4	0.7220739	0.6220266		-13.9	+/-50
Hexachlorocyclopentadiene	A	1.0000	0.1	0.3023695	0.0315508		-89.6	+/-50 *
2,4,6-Trichlorophenol	A	1.0000	0.6	0.3338641	0.2121893		-36.4	+/-50
2,4,5-Trichlorophenol	A	1.0000	0.5	0.3853234	0.2017626		-47.6	+/-50
2-Chloronaphthalene	A	0.50000	0.5	1.1441150	1.0728470		-6.2	+/-50
2-Nitroaniline	A	1.0000	0.9	0.3007956	0.2635101		-12.4	+/-50
Acenaphthylene	A	0.50000	0.5	1.7445240	1.5990850		-8.3	+/-50
Dimethylphthalate	A	0.50000	0.5	1.1280520	1.0939410		-3.0	+/-50
2,6-Dinitrotoluene	A	1.0000	0.8	0.2545771	0.2111511		-17.1	+/-50
Acenaphthene	A	0.50000	0.5	1.0820160	1.0084220		-6.8	+/-50

* Values outside of QC limits

LOW-CONCENTRATION
CONTINUING CALIBRATION CHECK
EPA 8270E

Laboratory:	Analytical Resources, LLC	SDG:	22L0307
Client:	Anchor QEA, LLC	Project:	AOC4 UR Phase 3
Instrument ID:	NT14	Calibration:	FL00066
Lab File ID:	NT1423010620.D	Calibration Date:	12/30/2022
Sequence:	SLA0068	Injection Date:	01/06/23
Lab Sample ID:	SLA0068-LCV2	Injection Time:	23:03
Sequence Name:	ABN 0.5		

		CONC. (ug/mL)		RESPONSE FACTOR (RRF)			% DRIFT/DIFF	
COMPOUND	TYPE	STD	CCV	ICAL	CCV	MIN	CCV	LIMIT
3-Nitroaniline	A	1.0000	0.8	0.3094189	0.2531587		-18.2	+/-50
2,4-Dinitrophenol	A	2.0000	0.05	0.1831718	0.0053638		-97.5	+/-50 *
Dibenzofuran	A	0.50000	0.5	1.6225950	1.4686690		-9.5	+/-50
4-Nitrophenol	A	1.0000	0.3	0.1384031	0.0384116		-74.1	+/-50 *
2,4-Dinitrotoluene	A	1.0000	0.8	0.3492859	0.2625773		-24.8	+/-50
Fluorene	A	0.50000	0.5	1.7261350	1.6129870		-6.6	+/-50
4-Chlorophenylphenyl ether	A	0.50000	0.4	0.8450792	0.7107279		-15.9	+/-50
Diethyl phthalate	A	0.50000	0.5	1.5332690	1.6255660		6.0	+/-50
4-Nitroaniline	A	1.0000	0.8	0.3413732	0.2811587		-24.6	+/-50
4,6-Dinitro-2-methylphenol	A	2.0000	0.5	0.1530278	0.0423811		-74.8	+/-50 *
N-Nitrosodiphenylamine	A	0.50000	0.4	0.6863845	0.6101303		-11.1	+/-50
4-Bromophenyl phenyl ether	A	0.50000	0.4	0.2599074	0.2246805		-13.6	+/-50
Hexachlorobenzene	A	0.50000	0.5	0.2852204	0.2591463		-9.1	+/-50
Pentachlorophenol	A	1.0000	0.08	0.1128364	0.0095500		-92.3	+/-50 *
Phenanthrene	A	0.50000	0.5	1.0429190	0.9423893		-9.6	+/-50
Anthracene	A	0.50000	0.5	0.9956202	0.9174824		-7.8	+/-50
Carbazole	A	0.50000	0.4	0.9624945	0.8648098		-10.2	+/-50
Di-n-Butylphthalate	A	0.50000	0.5	1.0394700	1.0455010		-4.0	+/-50
Fluoranthene	A	0.50000	0.5	1.2879410	1.2308430		-4.4	+/-50
Pyrene	A	0.50000	0.5	1.3541610	1.2932540		-4.5	+/-50
Butylbenzylphthalate	A	0.50000	0.6	0.4650792	0.5809363		13.6	+/-50
Benzo(a)anthracene	A	0.50000	0.5	1.2117210	1.1194640		-7.6	+/-50
3,3'-Dichlorobenzidine	A	1.5000	1.5	0.3709370	0.3633984		-2.0	+/-50
Chrysene	A	0.50000	0.5	1.1445730	1.0504470		-8.2	+/-50
bis(2-Ethylhexyl)phthalate	A	0.50000	0.5	0.4442323	0.4493412		1.2	+/-50
Di-n-Octylphthalate	A	0.50000	0.5	0.9601702	0.9074610		-5.5	+/-50
Benzofluoranthenes, Total	A	1.0000	0.9	1.2153330	1.0502250		-13.6	+/-50
Benzo(a)pyrene	A	0.50000	0.5	1.0450150	1.0009690		-4.2	+/-50
Indeno(1,2,3-cd)pyrene	A	0.50000	0.5	1.1879490	1.1327140		-4.7	+/-50
Dibenzo(a,h)anthracene	A	0.50000	0.5	1.0094890	0.9413514		-6.8	+/-50
Benzo(g,h,i)perylene	A	0.50000	0.4	0.9951726	0.8833194		-11.2	+/-50
1-Methylnaphthalene	A	0.50000	0.4	0.6937882	0.6183424		-10.9	+/-50
2-Fluorophenol	A	0.75000	0.637	1.2814900	1.0889450		-15.0	+/-50
Phenol-d5	A	0.75000	0.577	1.5836890	1.2192220		-23.0	+/-50

* Values outside of QC limits

Analytical Resources, LLC
Analytical Chemists and Consultants

LOW-CONCENTRATION CONTINUING CALIBRATION CHECK

EPA 8270E

Laboratory:	Analytical Resources, LLC	SDG:	22L0307
Client:	Anchor QEA, LLC	Project:	AOC4 UR Phase 3
Instrument ID:	NT14	Calibration:	FL00066
Lab File ID:	NT1423010620.D	Calibration Date:	12/30/2022
Sequence:	SLA0068	Injection Date:	01/06/23
Lab Sample ID:	SLA0068-LCV2	Injection Time:	23:03
Sequence Name:	ABN 0.5		

		CONC. (ug/mL)		RESPONSE FACTOR (RRF)			% DRIFT/DIFF	
COMPOUND	TYPE	STD	CCV	ICAL	CCV	MIN	CCV	LIMIT
2-Chlorophenol-d4	A	0.75000	0.644	1.3300510	1.1416290		-14.2	+/-50
1,2-Dichlorobenzene-d4	A	0.50000	0.457	0.9090592	0.8315331		-8.5	+/-50
Nitrobenzene-d5	A	0.50000	0.492	0.3377760	0.3325846		-1.5	+/-50
2-Fluorobiphenyl	A	0.50000	0.459	1.3448860	1.2354910		-8.1	+/-50
2,4,6-Tribromophenol	A	0.75000	0.456	0.1844845	0.1140864		-39.2	+/-50
p-Terphenyl-d14	A	0.50000	0.466	0.9601842	0.8947914		-6.8	+/-50

* Values outside of QC limits

Data File: \\target\share\chem3\nt14.i\20230106.b\NT1423010620.D

Page 1

Date : 06-JAN-2023 23:03

Client ID:

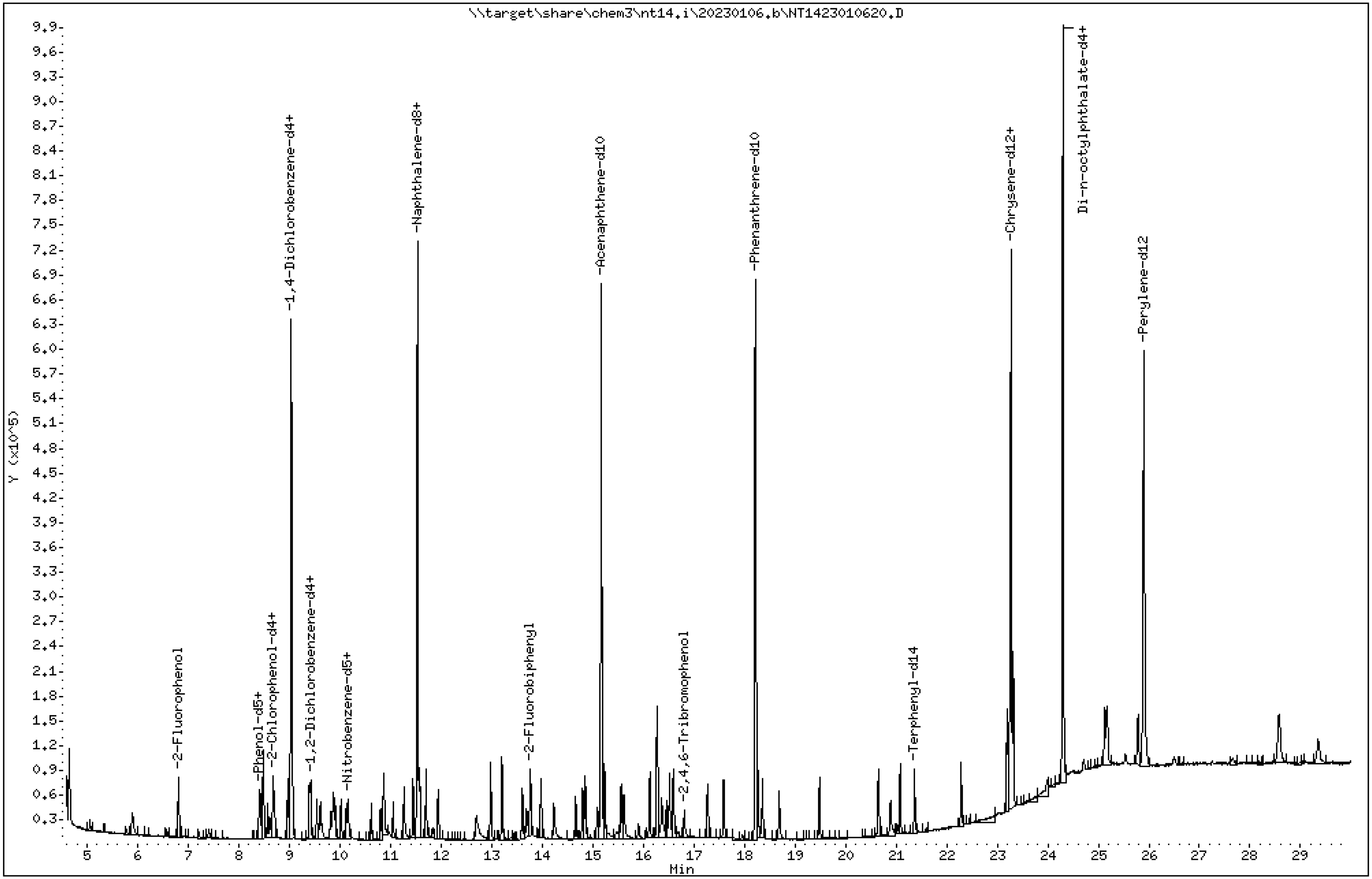
Instrument: nt14.i

Sample Info: SLA0068-LCV2

Operator: VTS

Column phase: ZB-5msi

Column diameter: 0.25



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Date : 06-JAN-2023 23:03

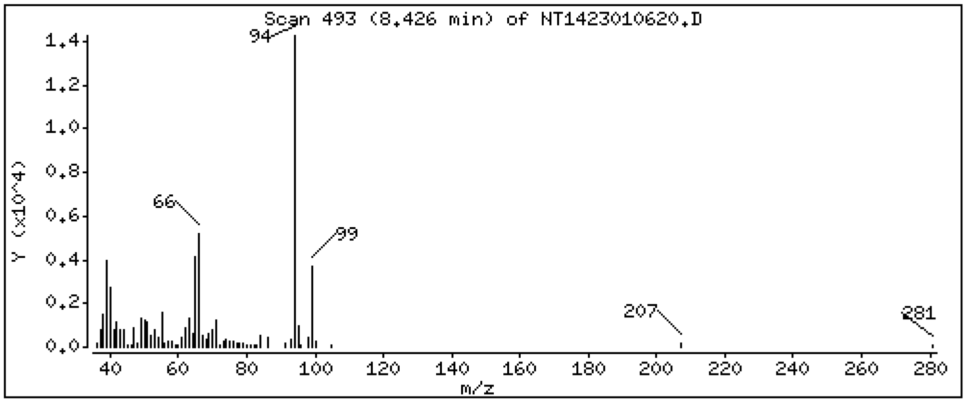
Client ID: Instrument: nt14.i

Sample Info: SLA0068-LCV2

Operator: VTS

Column phase: ZB-5msi Column diameter: 0.25

3 Phenol Concentration: 0.3625 ug/mL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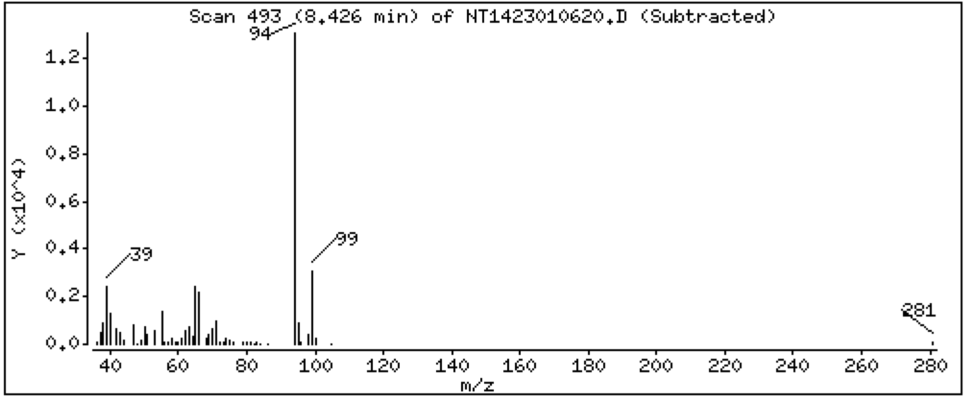
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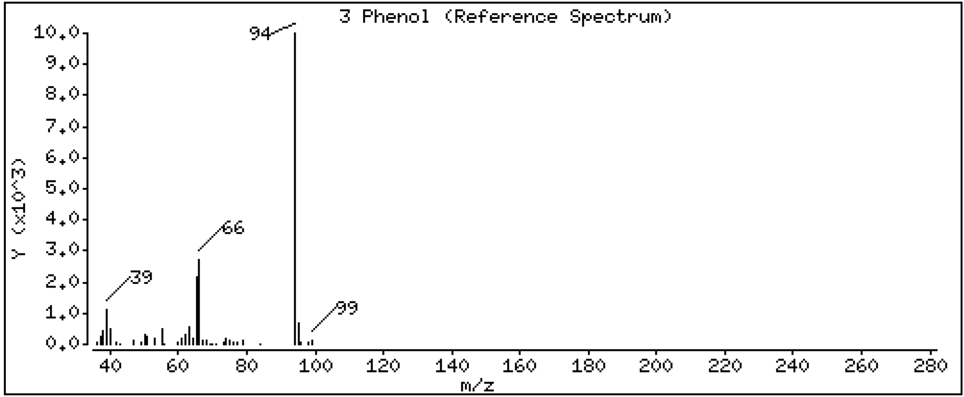
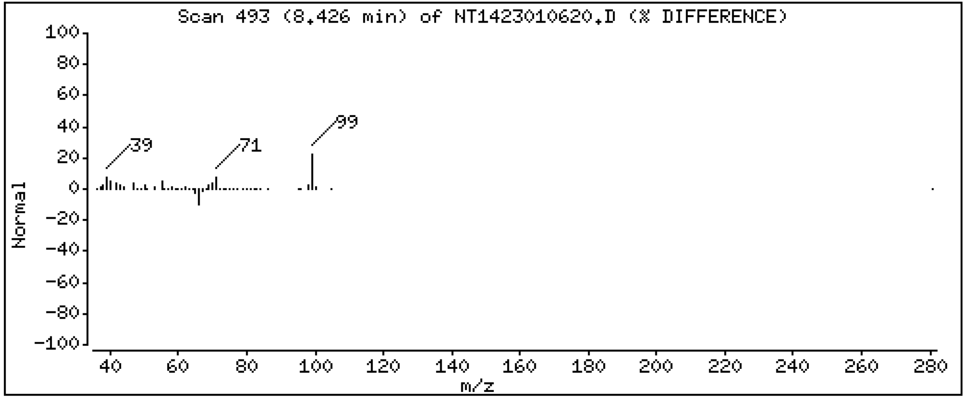

3 Phenol (Reference Spectrum)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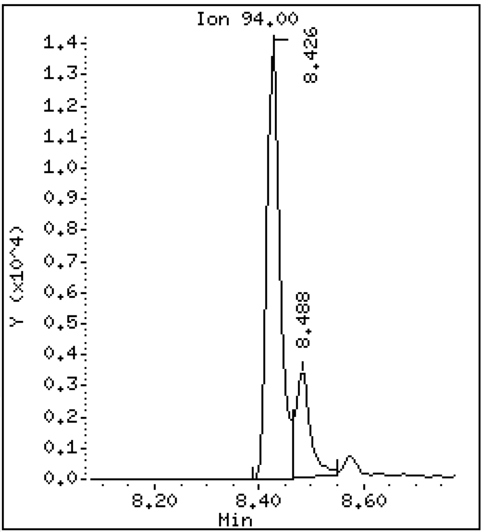
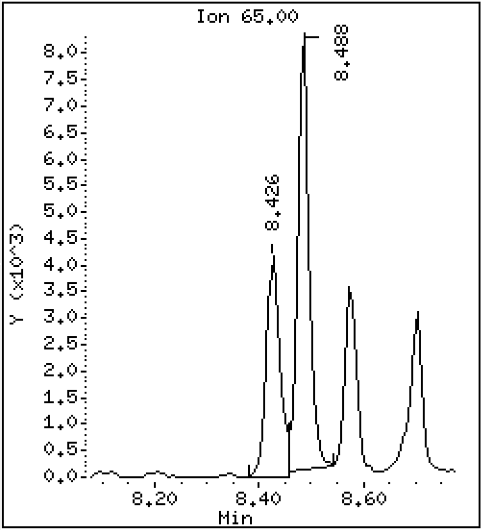
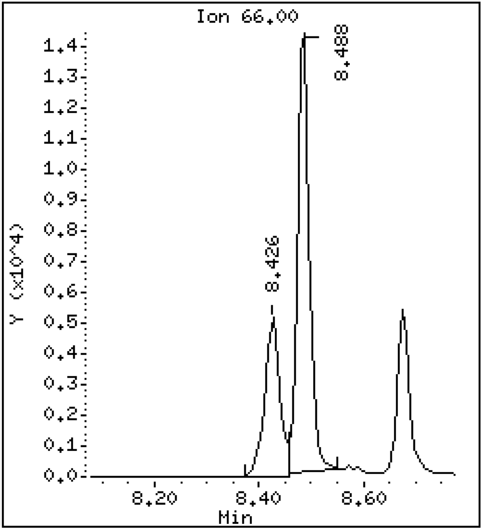

Ion 94.00


Ion 65.00


Ion 66.00

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Date : 06-JAN-2023 23:03

Client ID:

Instrument: nt14.i

Sample Info: SLA0068-LCV2

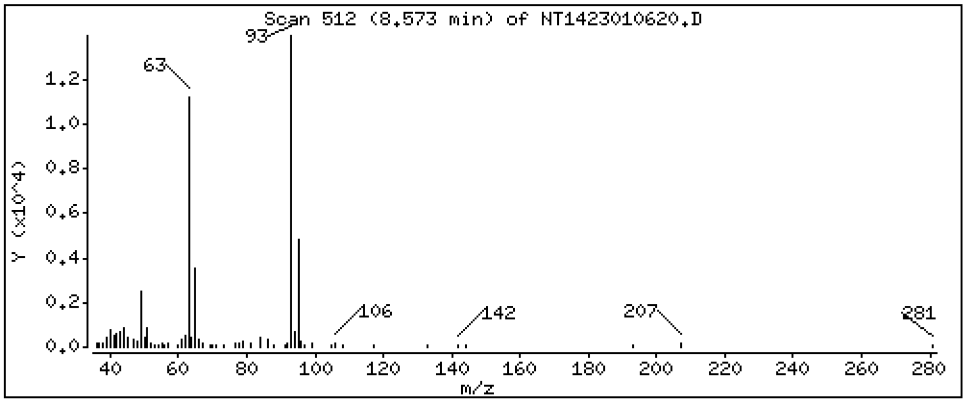
Operator: VTS

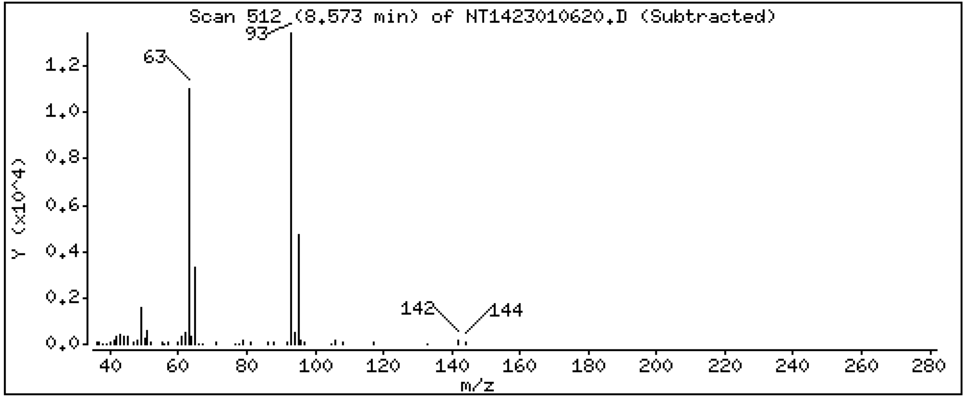
Column phase: ZB-5msi

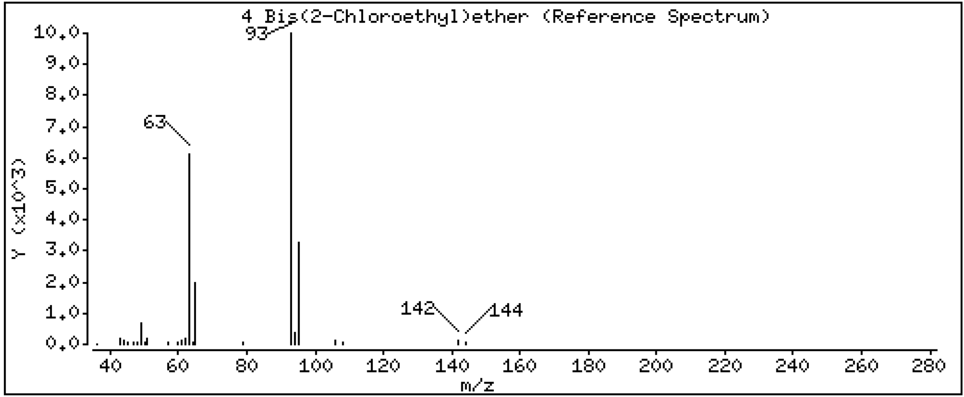
Column diameter: 0.25

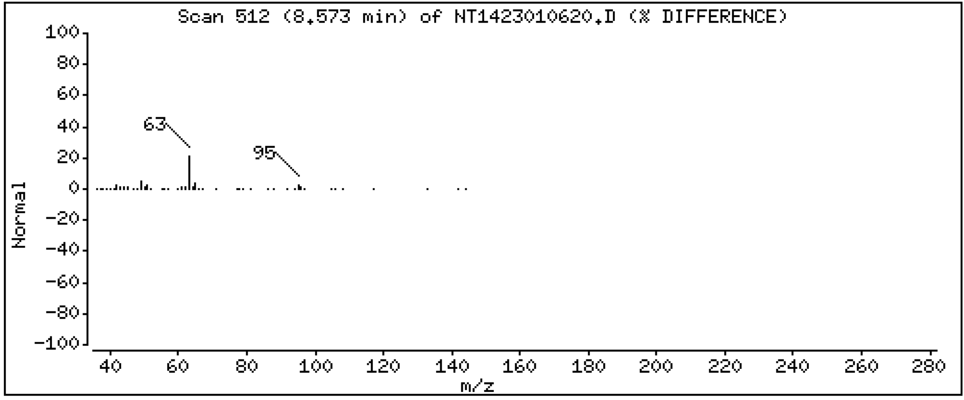
4 Bis(2-Chloroethyl)ether

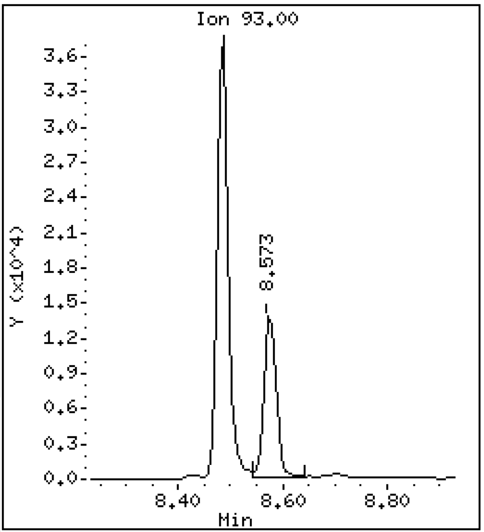
Concentration: 0.4754 ug/mL

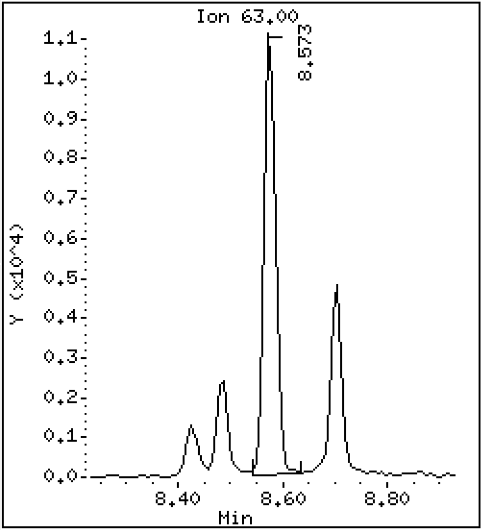


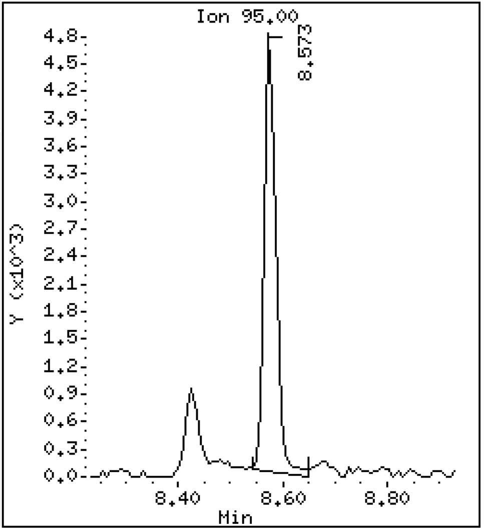












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Date : 06-JAN-2023 23:03

Client ID:

Instrument: nt14.i

Sample Info: SLA0068-LCV2

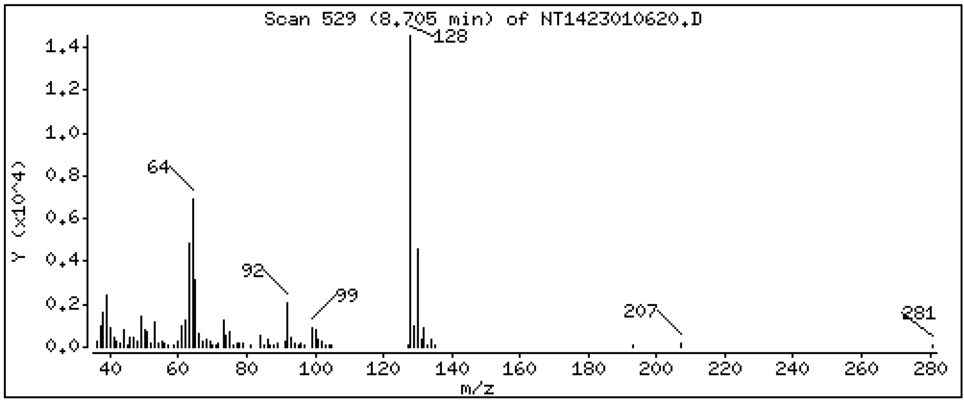
Operator: VTS

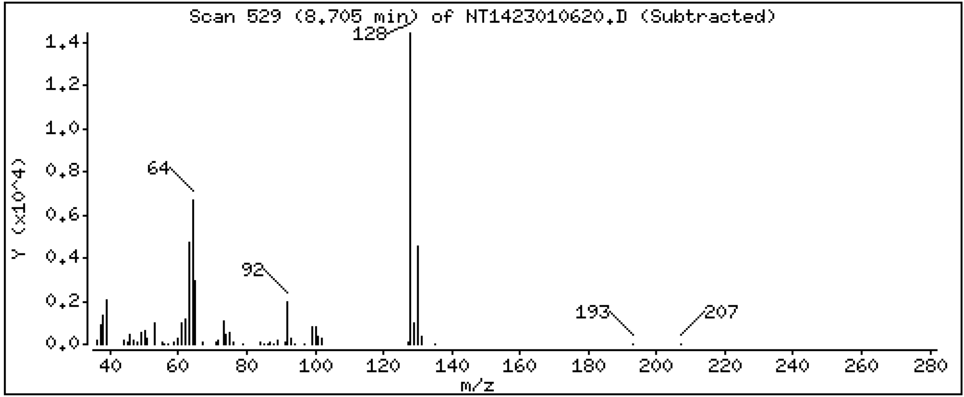
Column phase: ZB-5msi

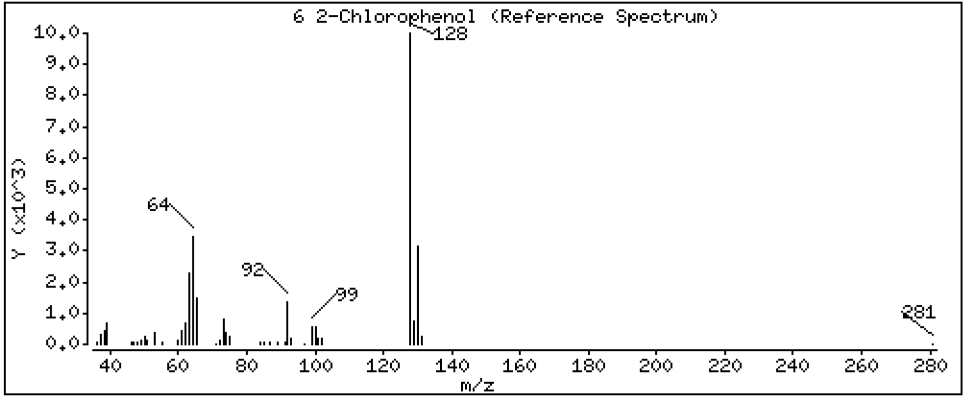
Column diameter: 0.25

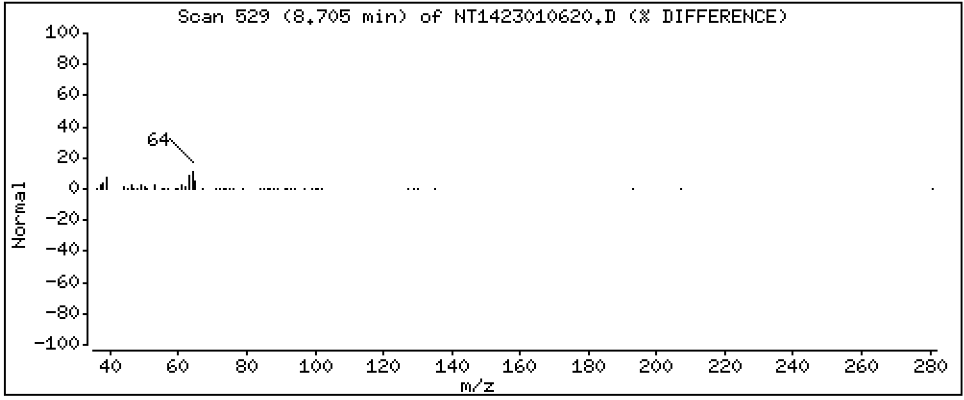
6 2-Chlorophenol

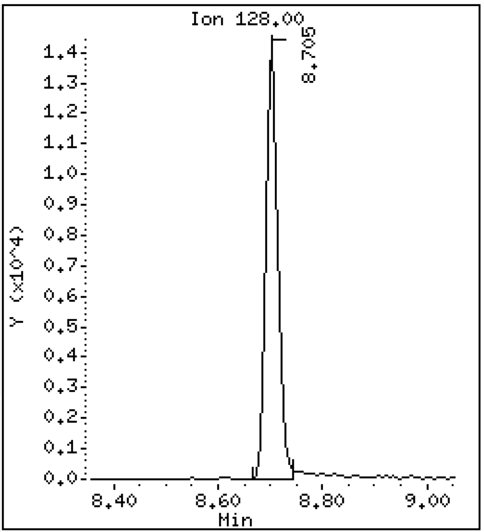
Concentration: 0.4200 ug/mL

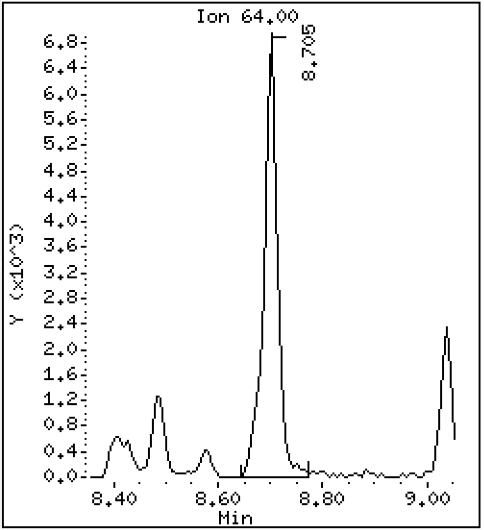


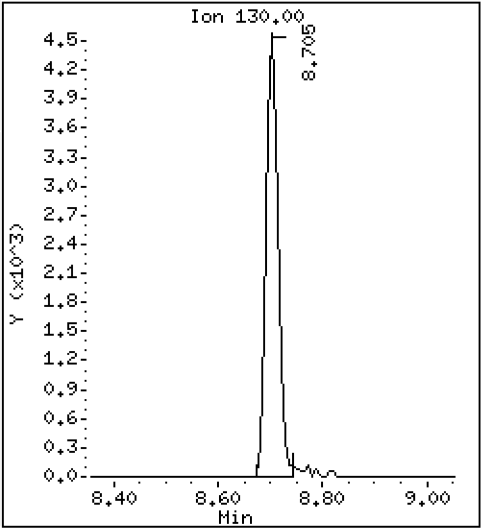












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Date : 06-JAN-2023 23:03

Client ID:

Instrument: nt14.i

Sample Info: SLA0068-LCV2

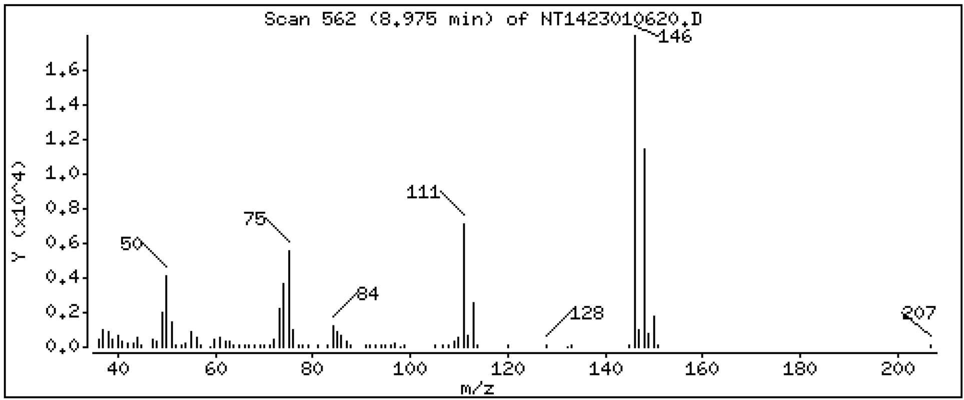
Operator: VTS

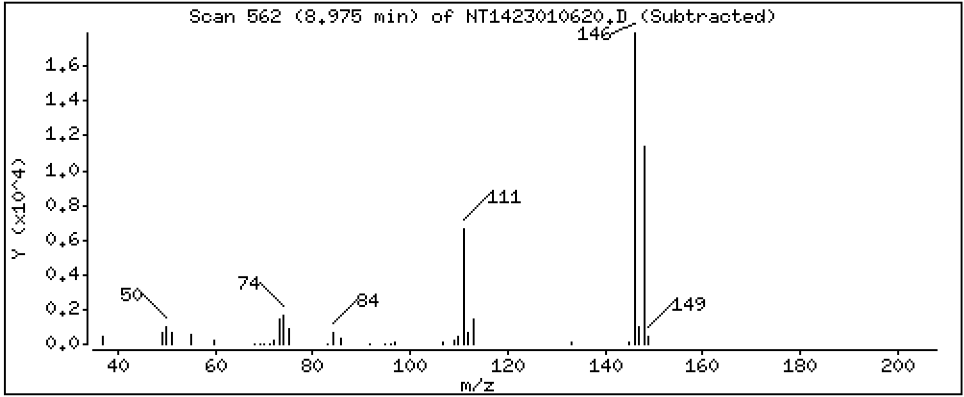
Column phase: ZB-5msi

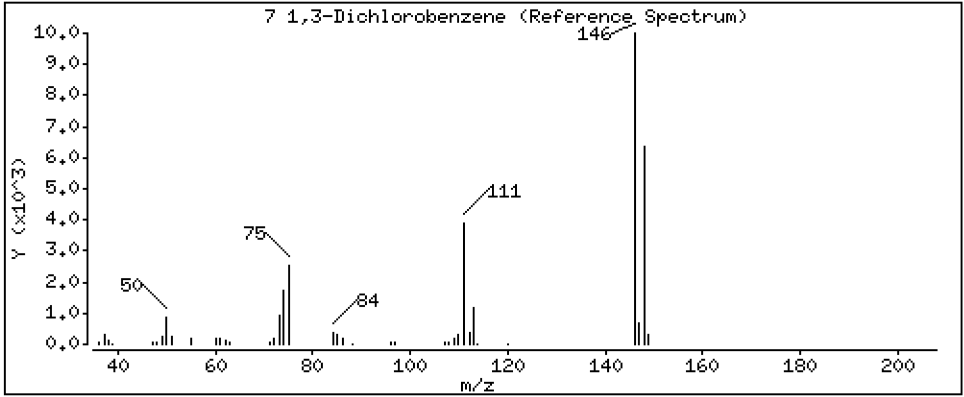
Column diameter: 0.25

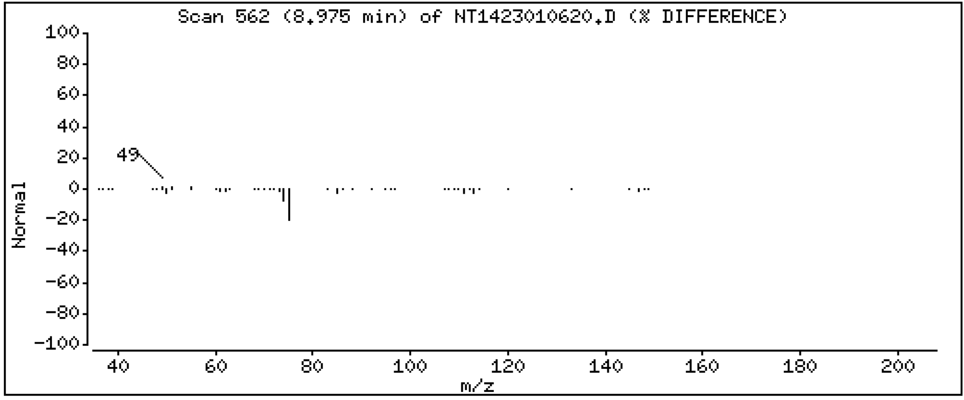
7 1,3-Dichlorobenzene

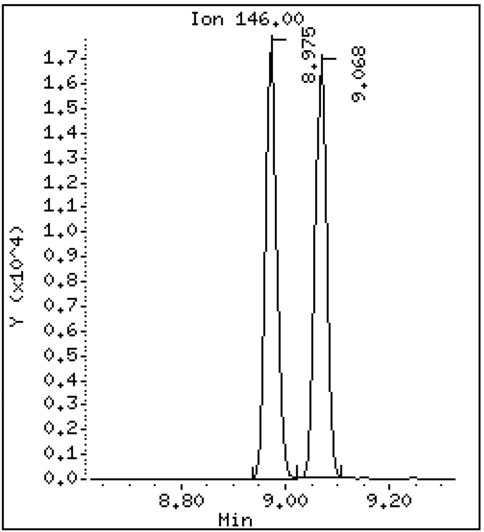
Concentration: 0.4710 ug/mL

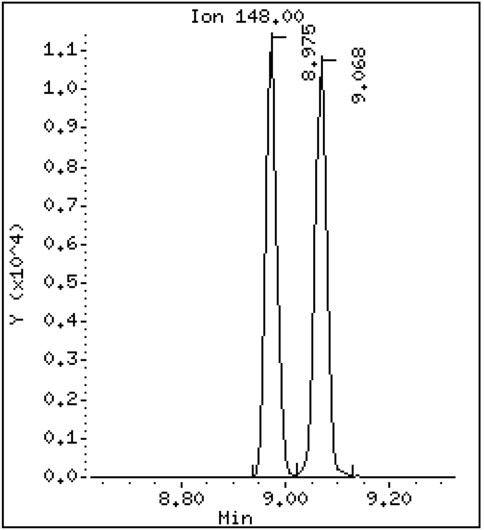


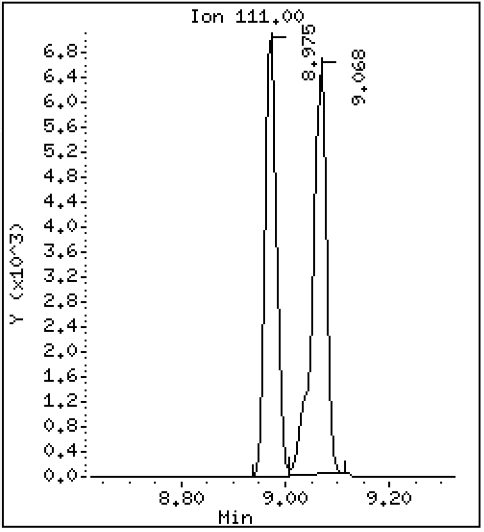












Date : 06-JAN-2023 23:03

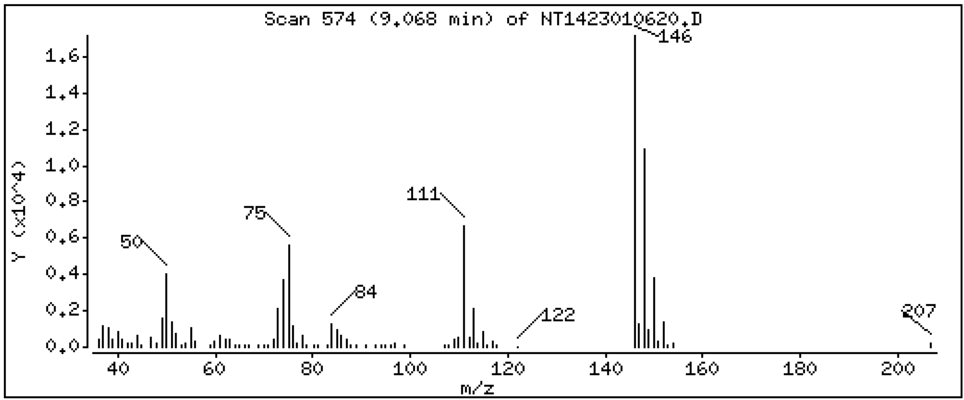
Client ID: Instrument: nt14.i

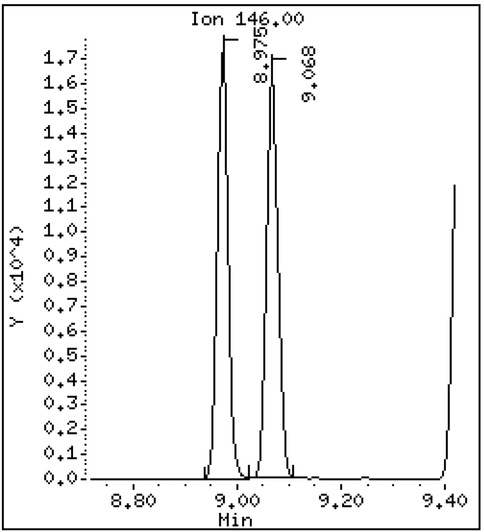
Sample Info: SLA0068-LCV2

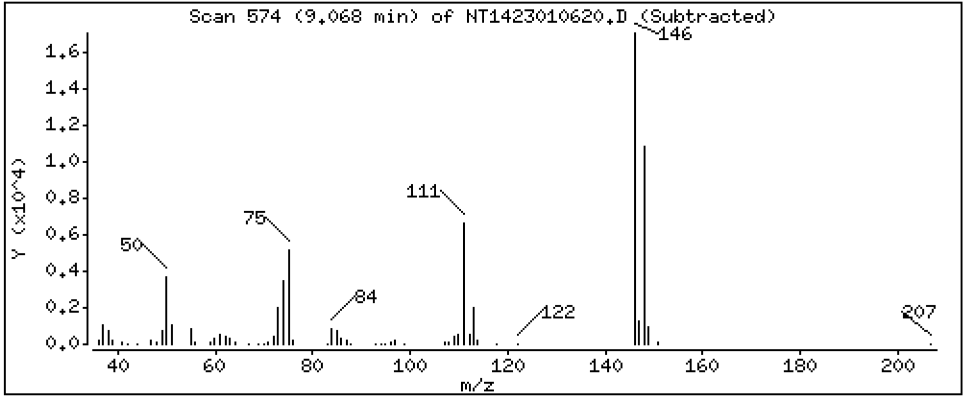
Operator: VTS

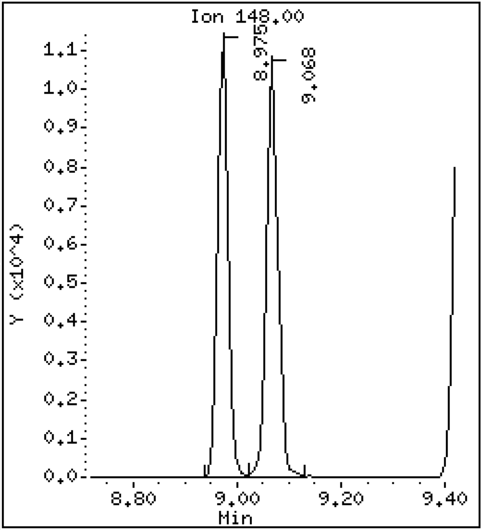
Column phase: ZB-5msi Column diameter: 0.25

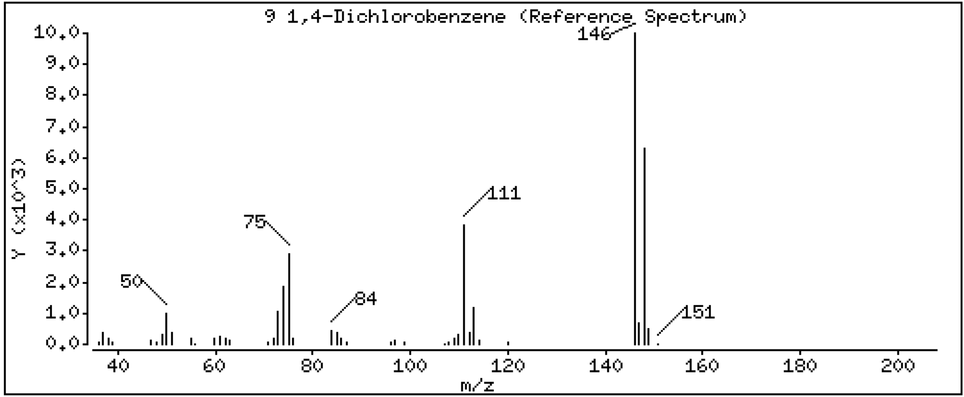
9 1,4-Dichlorobenzene Concentration: 0.4624 ug/mL

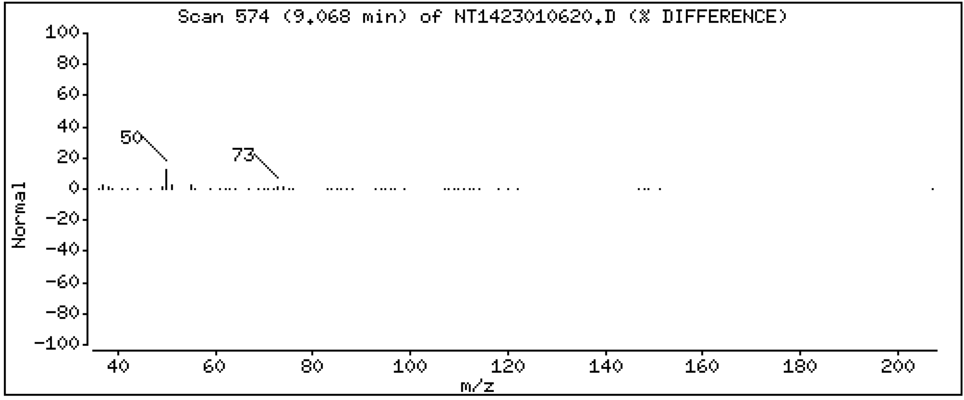


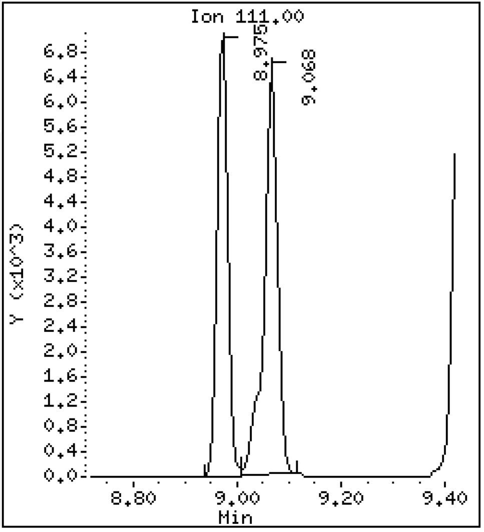












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Date : 06-JAN-2023 23:03

Client ID:

Instrument: nt14.i

Sample Info: SLA0068-LCV2

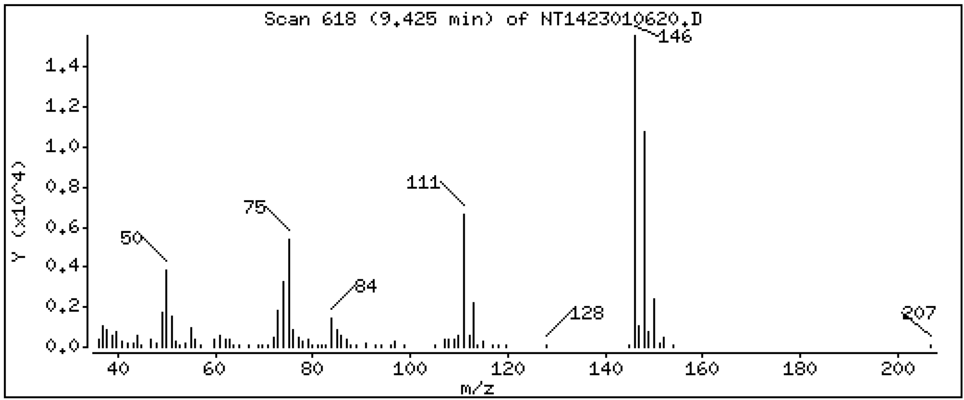
Operator: VTS

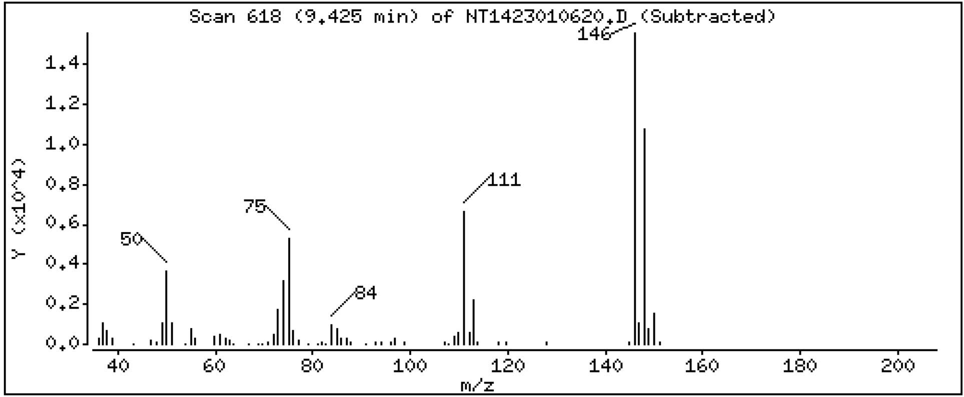
Column phase: ZB-5msi

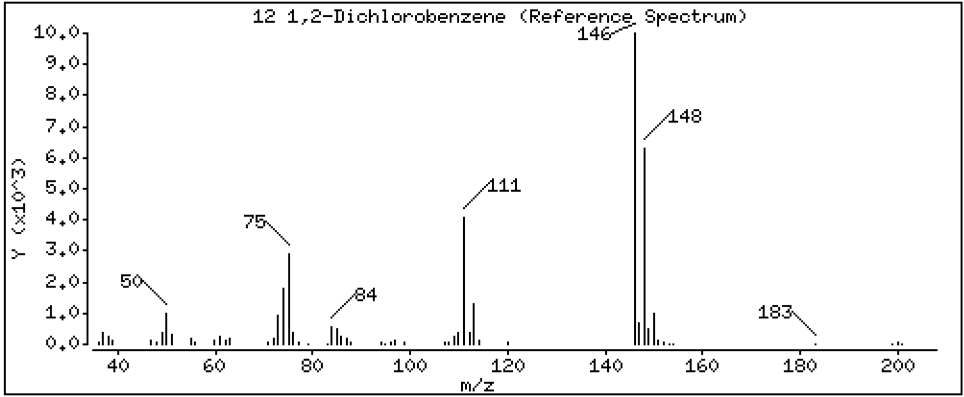
Column diameter: 0.25

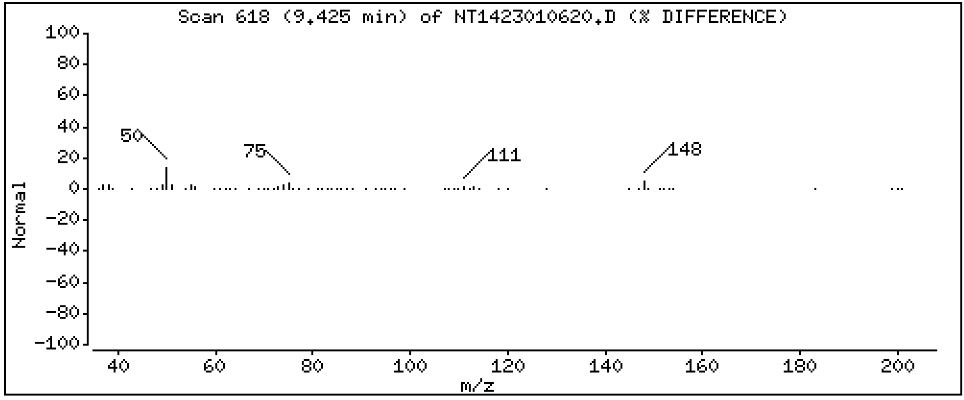
12 1,2-Dichlorobenzene

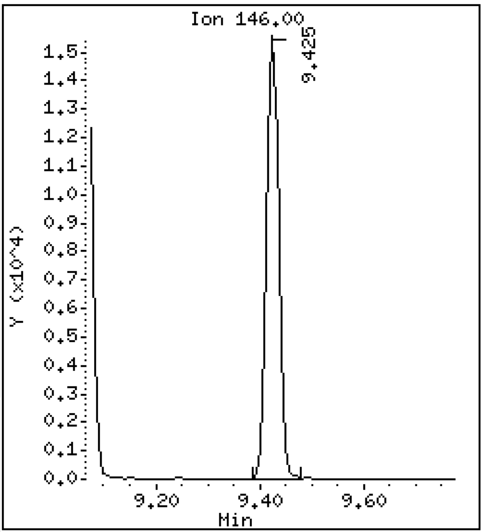
Concentration: 0.4614 ug/mL

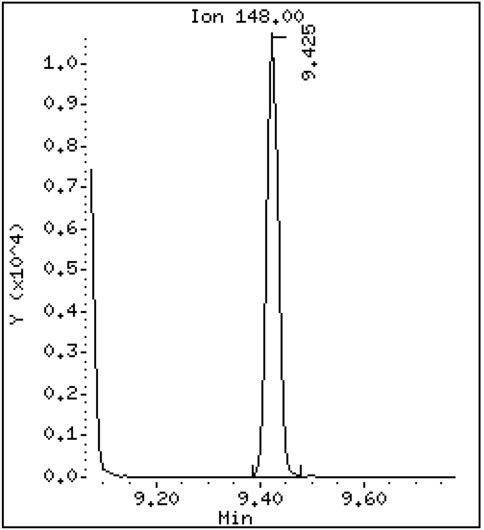


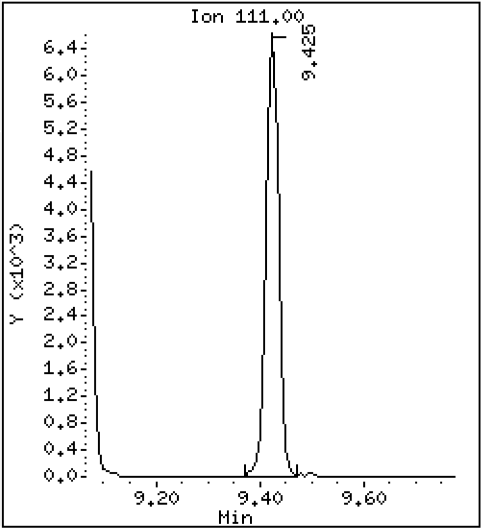












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Date : 06-JAN-2023 23:03

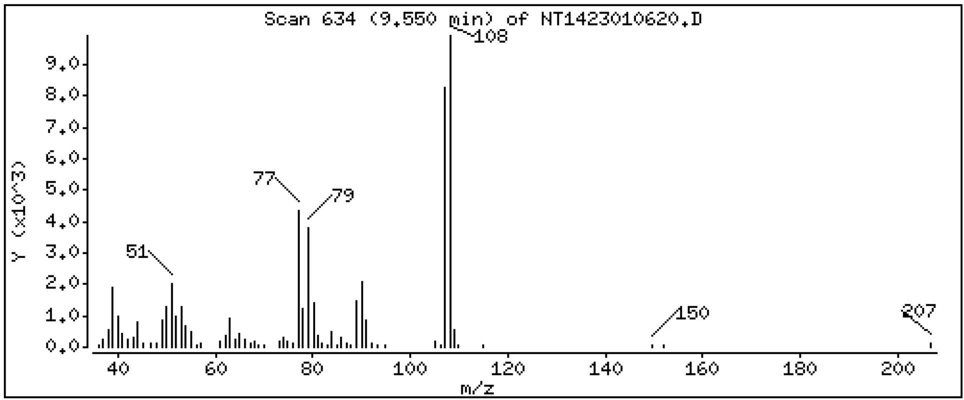
Client ID: Instrument: nt14.i

Sample Info: SLA0068-LCV2

Operator: VTS

Column phase: ZB-5msi Column diameter: 0.25

11 Benzyl alcohol Concentration: 0.6266 ug/mL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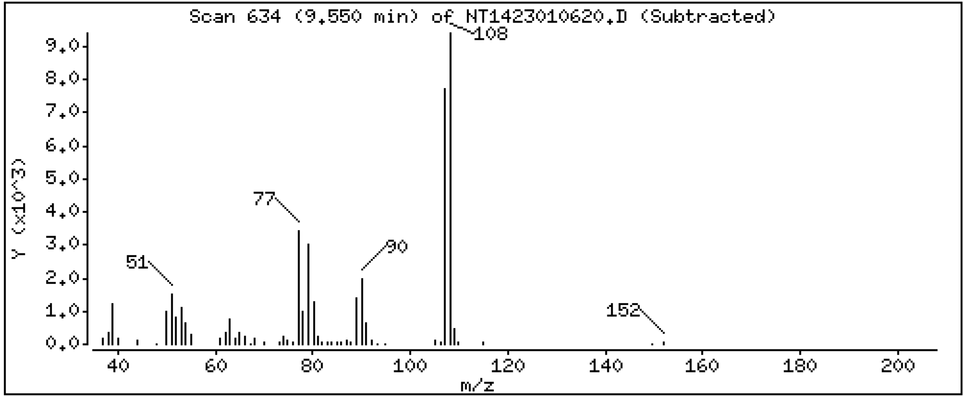
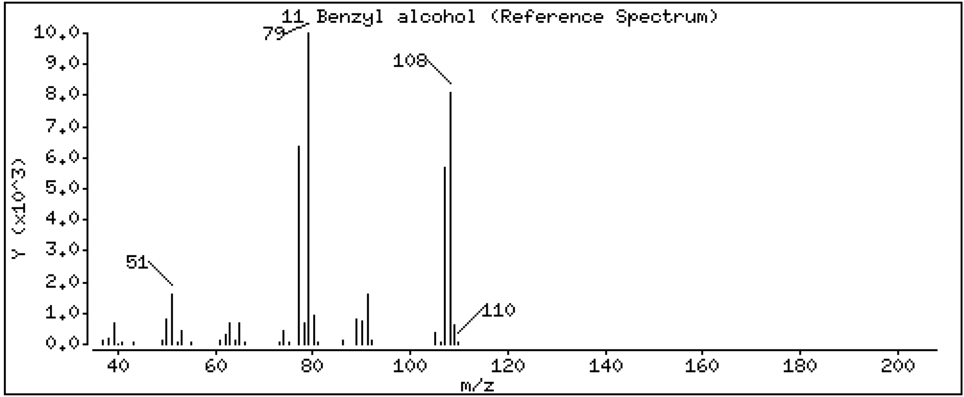
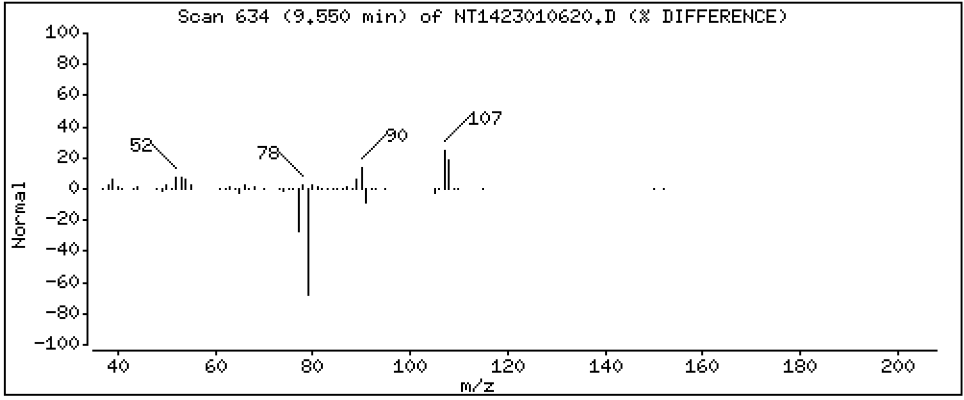

Scan 634 (9.550 min) of NT1423010620.D (Subtracted)


11 Benzyl alcohol (Reference Spectrum)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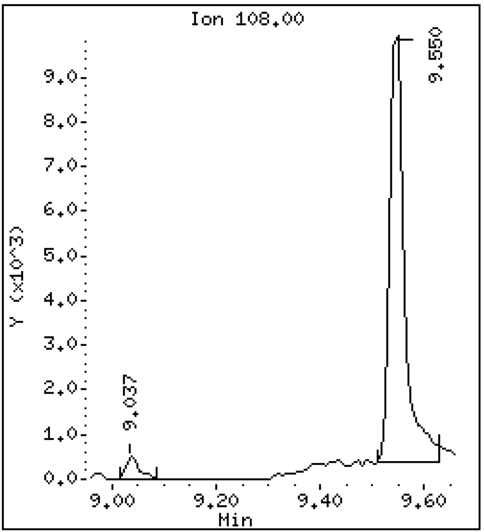
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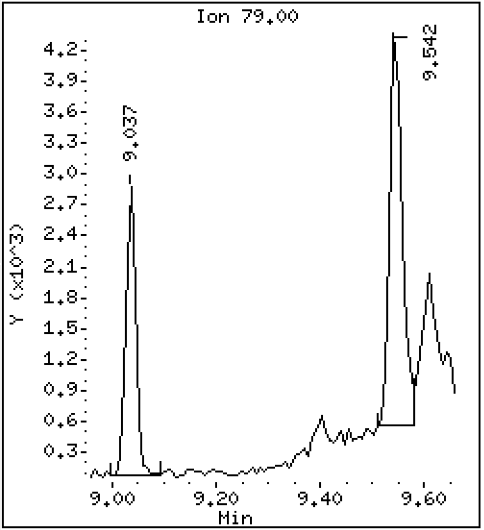
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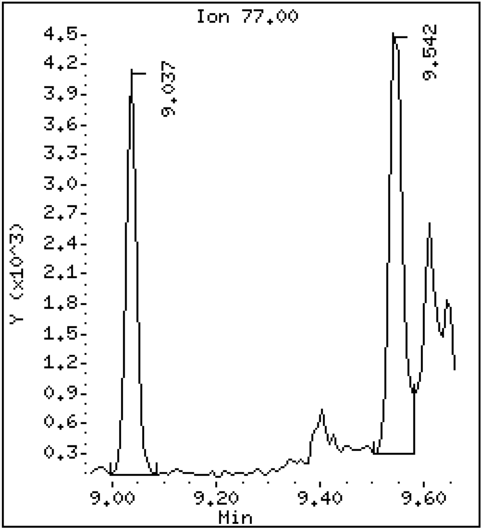
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Date : 06-JAN-2023 23:03

Client ID:

Instrument: nt14.i

Sample Info: SLA0068-LCV2

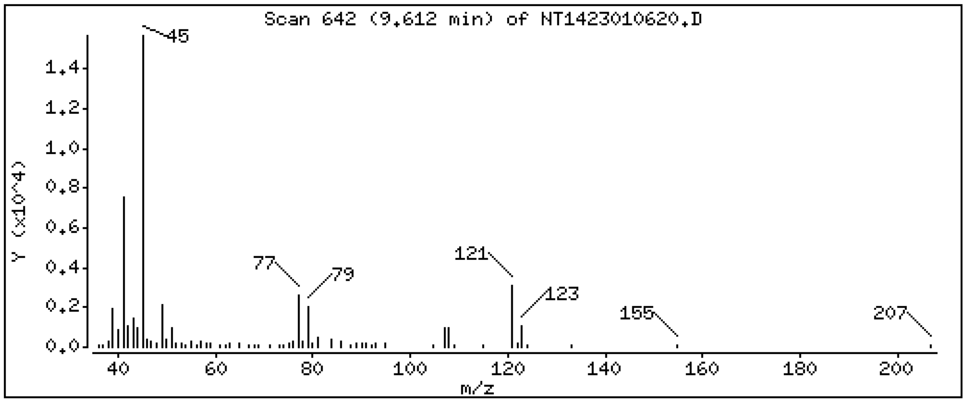
Operator: VTS

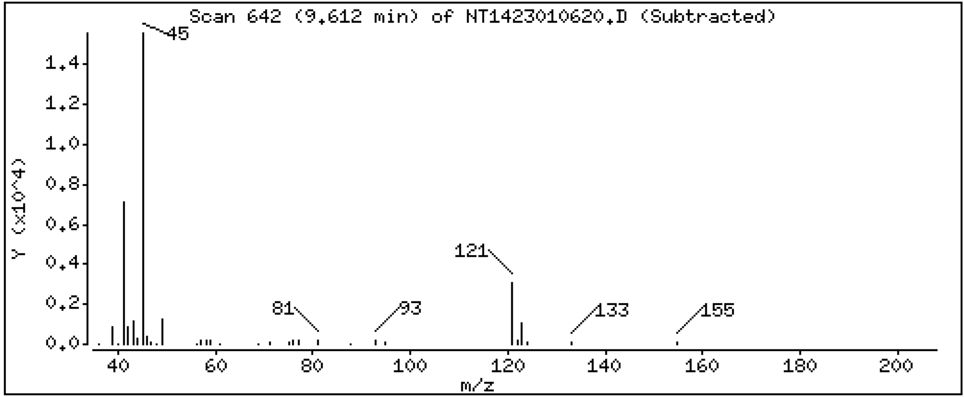
Column phase: ZB-5msi

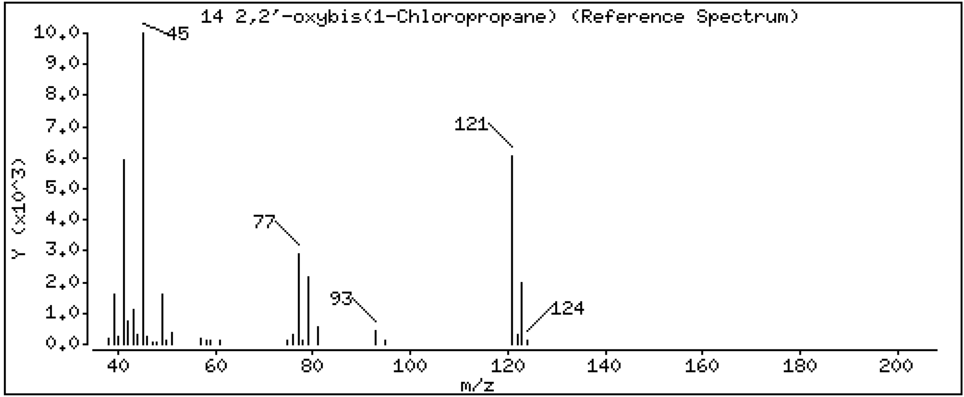
Column diameter: 0.25

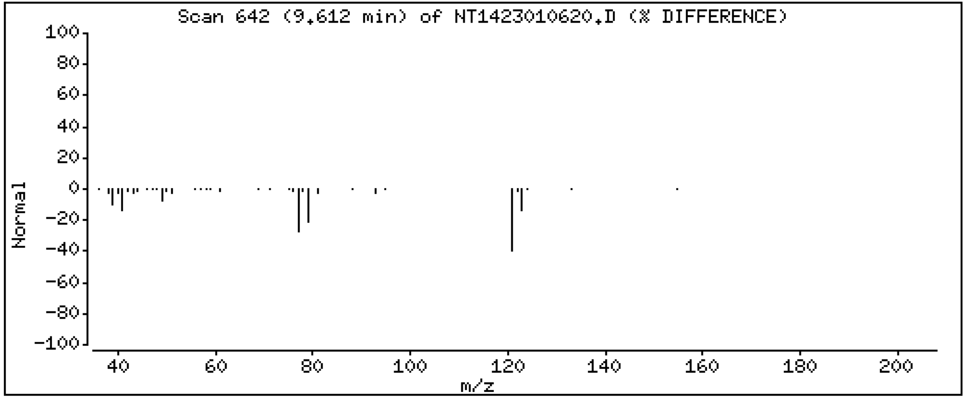
14 2,2'-oxybis(1-Chloropropane)

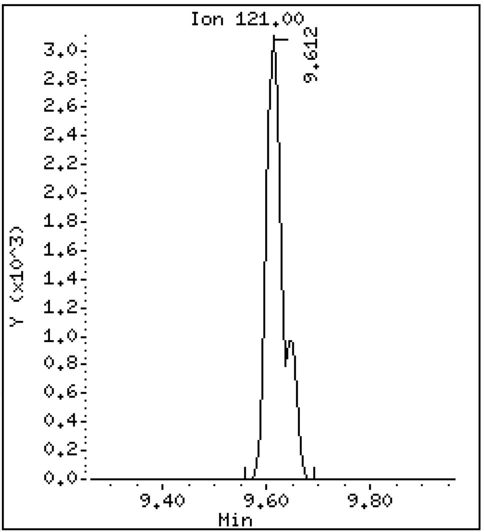
Concentration: 0.4599 ug/mL

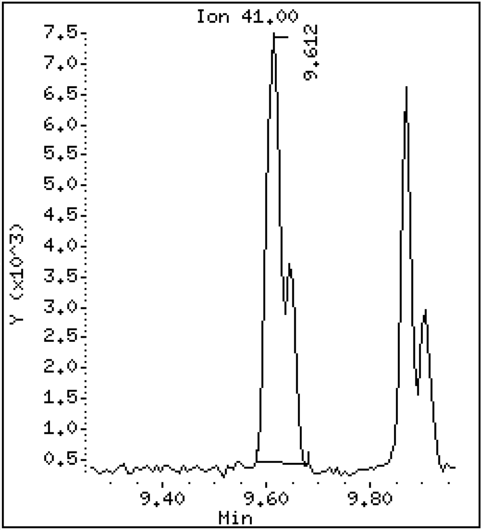


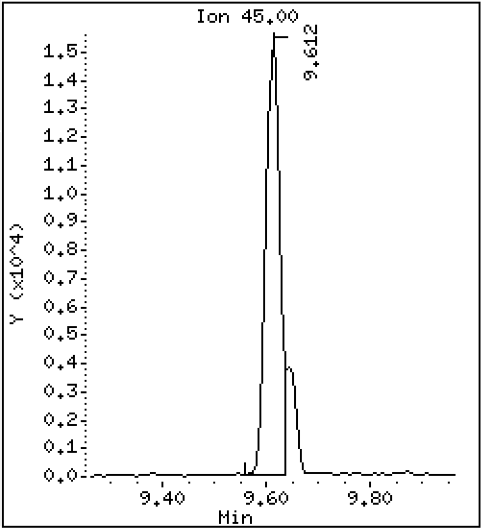












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Date : 06-JAN-2023 23:03

Client ID:

Instrument: nt14.i

Sample Info: SLA0068-LCV2

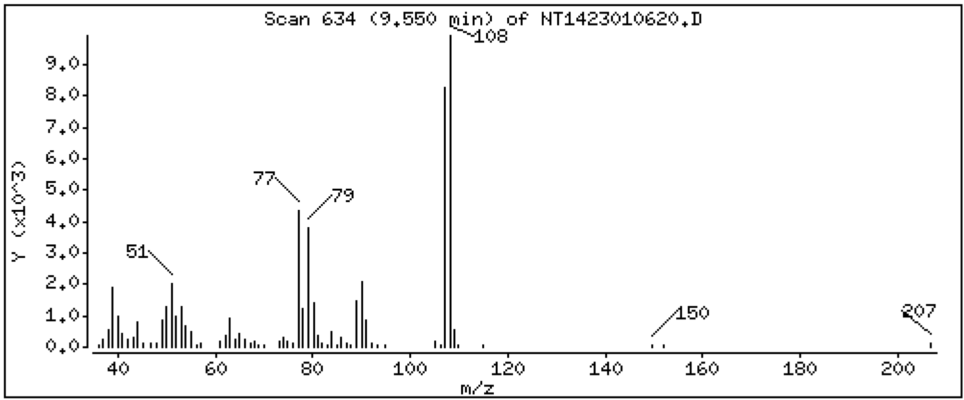
Operator: VTS

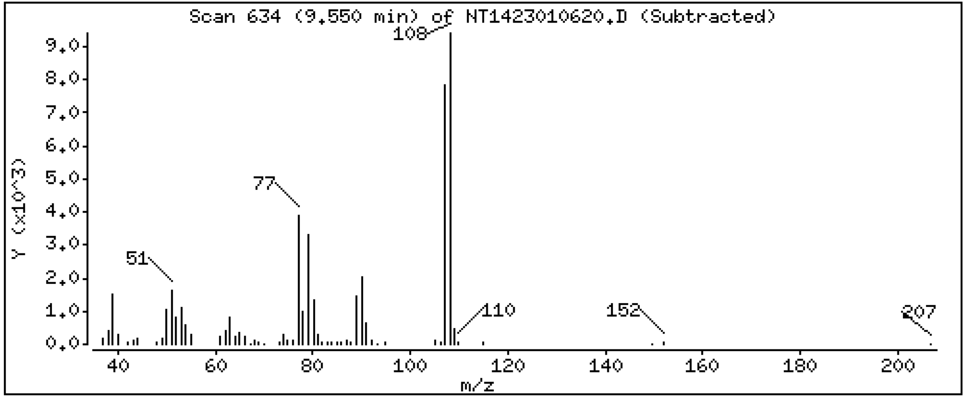
Column phase: ZB-5msi

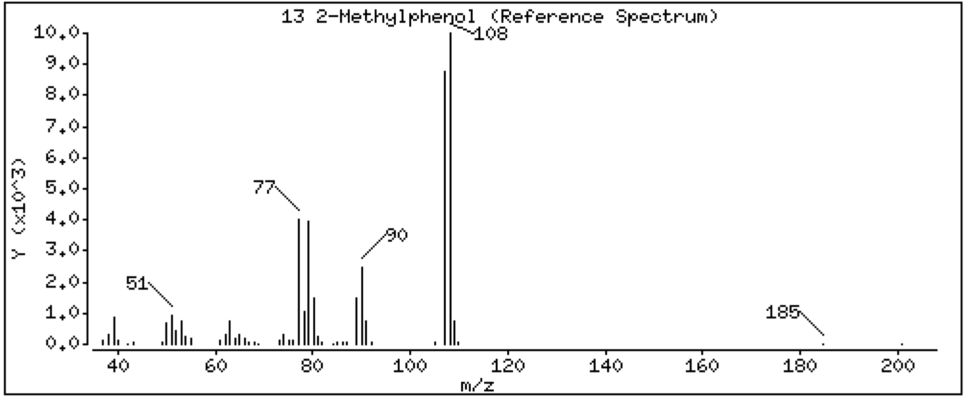
Column diameter: 0.25

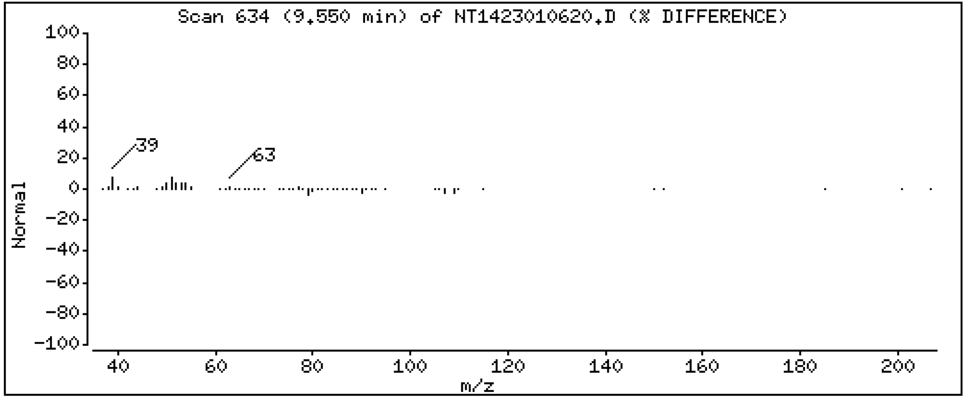
13 2-Methylphenol

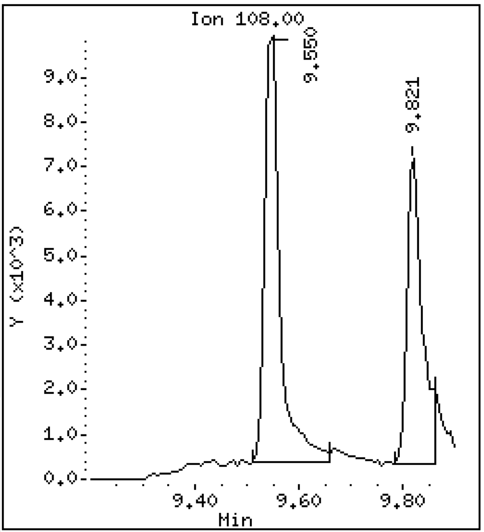
Concentration: 0.3934 ug/mL

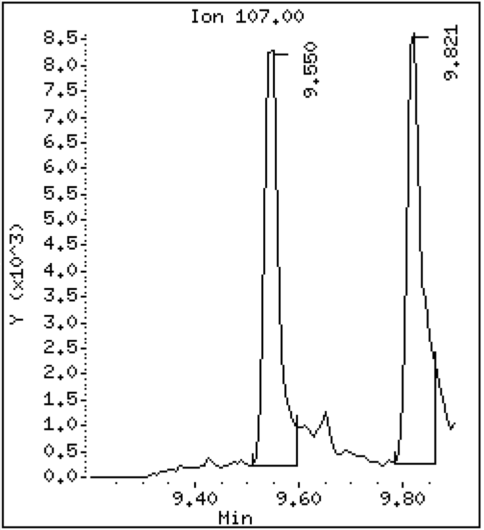


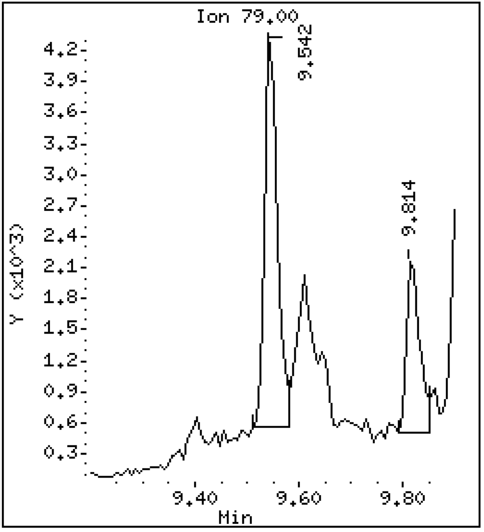












Date : 06-JAN-2023 23:03

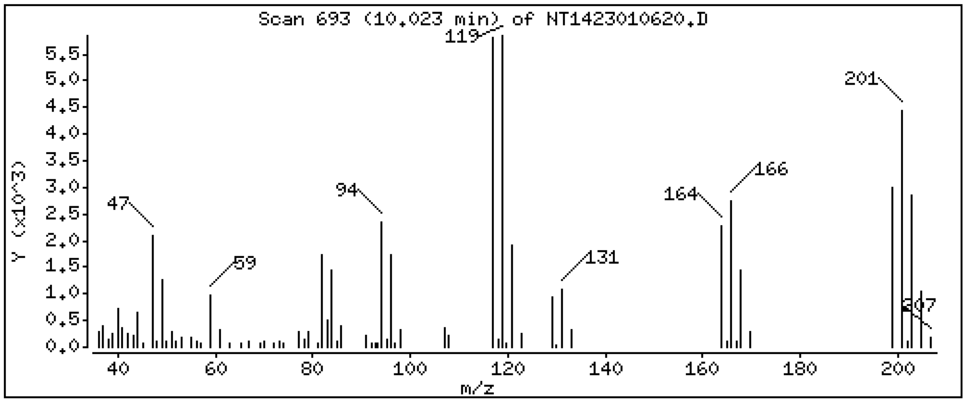
Client ID: Instrument: nt14.i

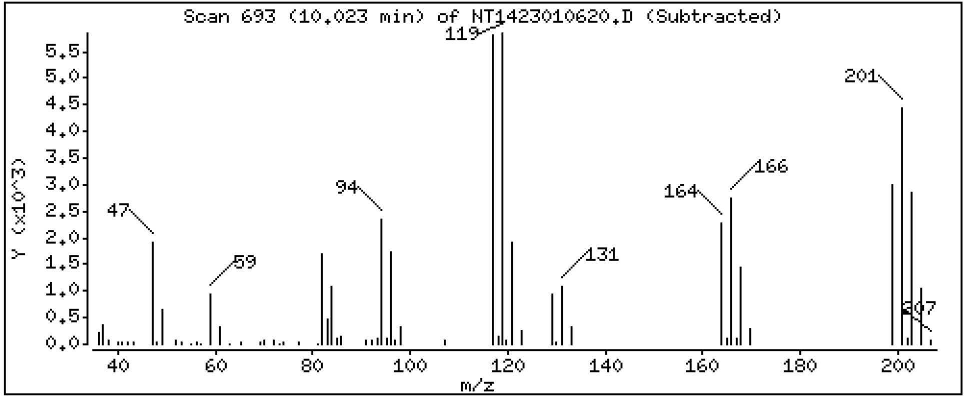
Sample Info: SLA0068-LCV2

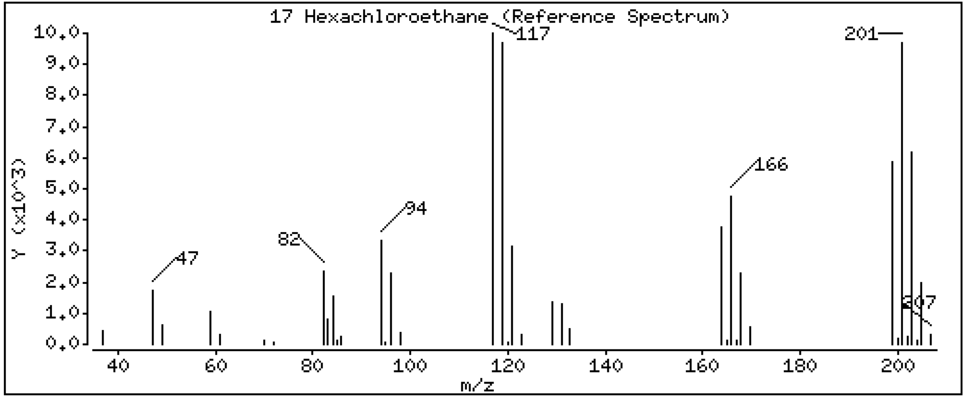
Operator: VTS

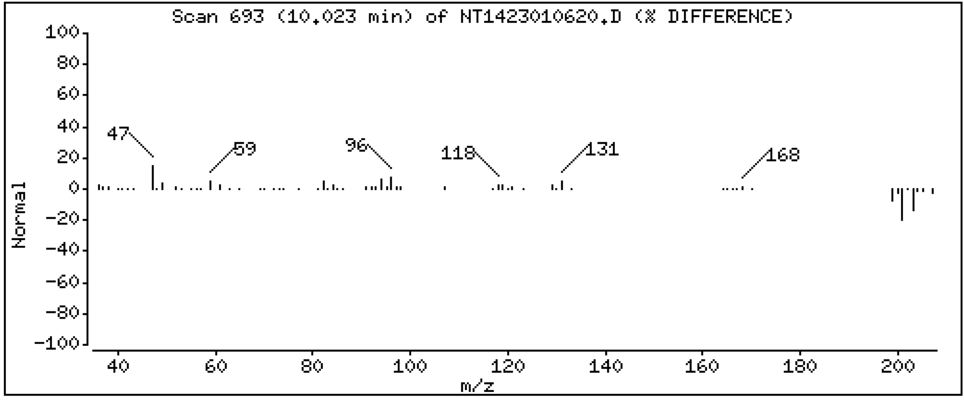
Column phase: ZB-5msi Column diameter: 0.25

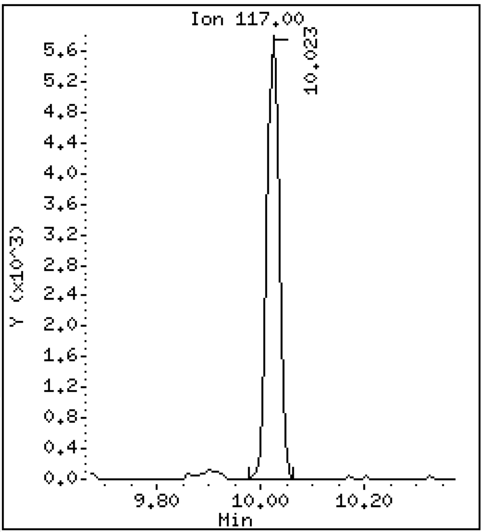
17 Hexachloroethane Concentration: 0.4650 ug/mL

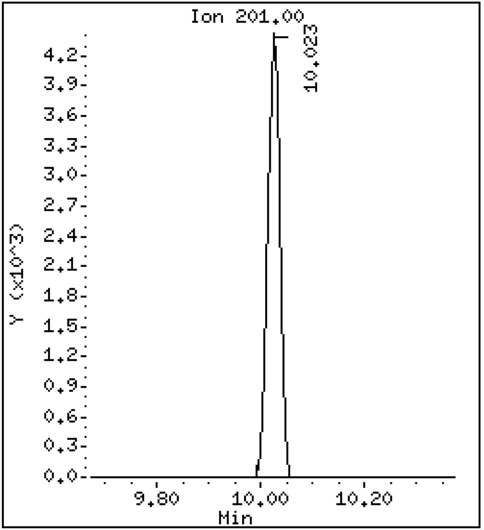

Scan 693 (10.023 min) of NT1423010620.D


Scan 693 (10.023 min) of NT1423010620.D (Subtracted)


17 Hexachloroethane (Reference Spectrum)


Scan 693 (10.023 min) of NT1423010620.D (% DIFFERENCE)


Ion 117.00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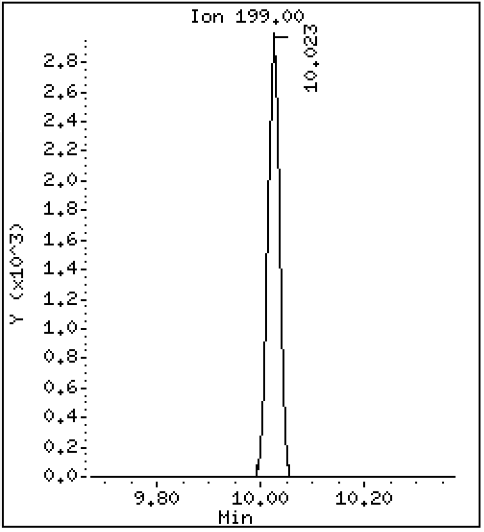

Ion 199.00

Data File: \\target\share\chem3\nt14.i\20230106.b\NT1423010620.D

Date : 06-JAN-2023 23:03

Client ID:

Instrument: nt14.i

Sample Info: SLA0068-LCV2

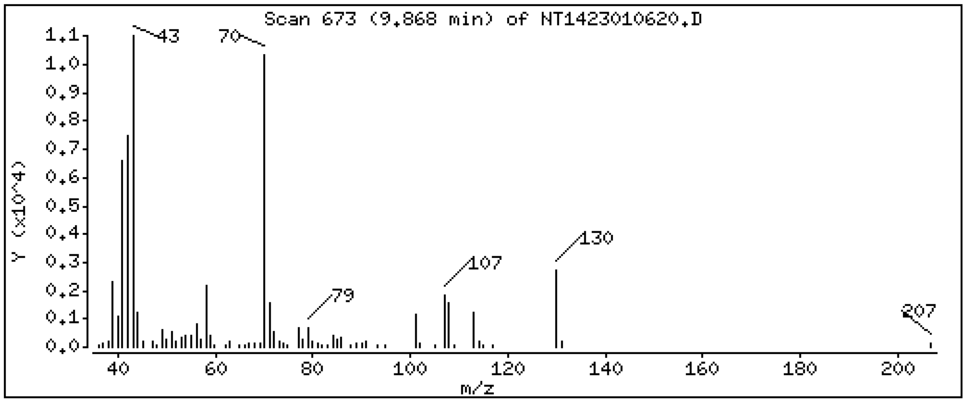
Operator: VTS

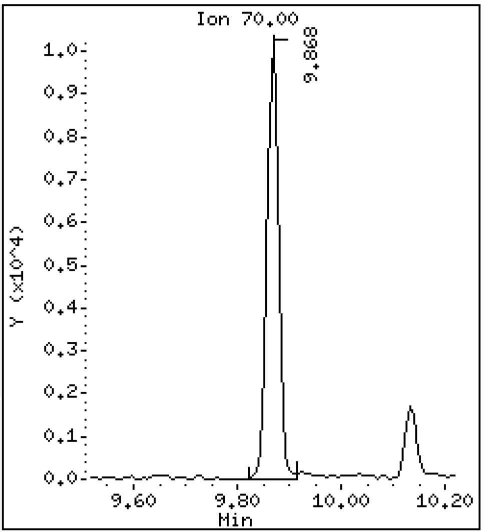
Column phase: ZB-5msi

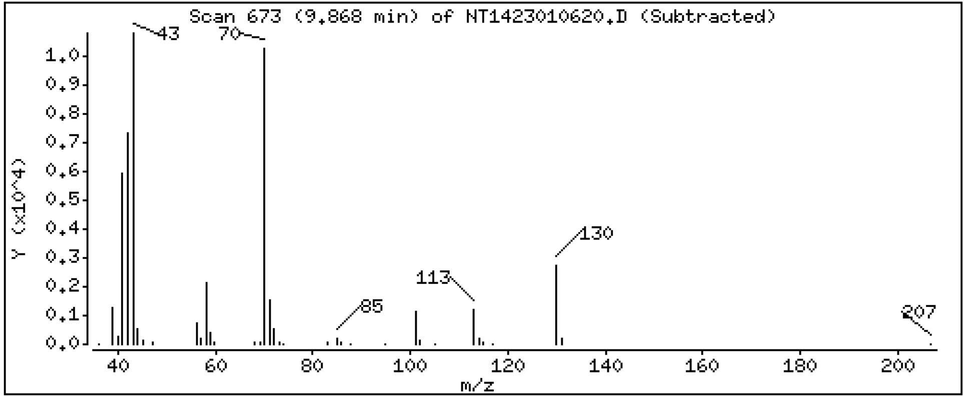
Column diameter: 0.25

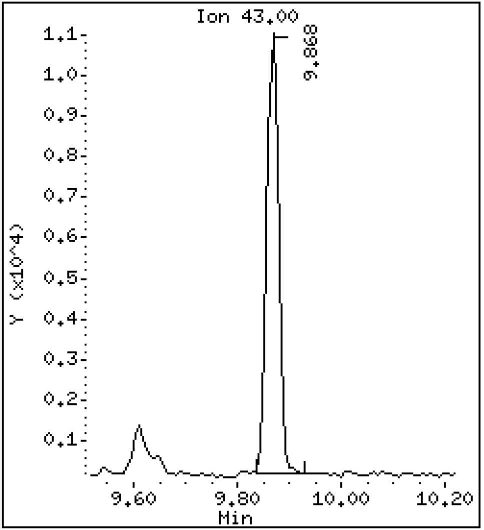
16 N-Nitroso-di-n-propylamine

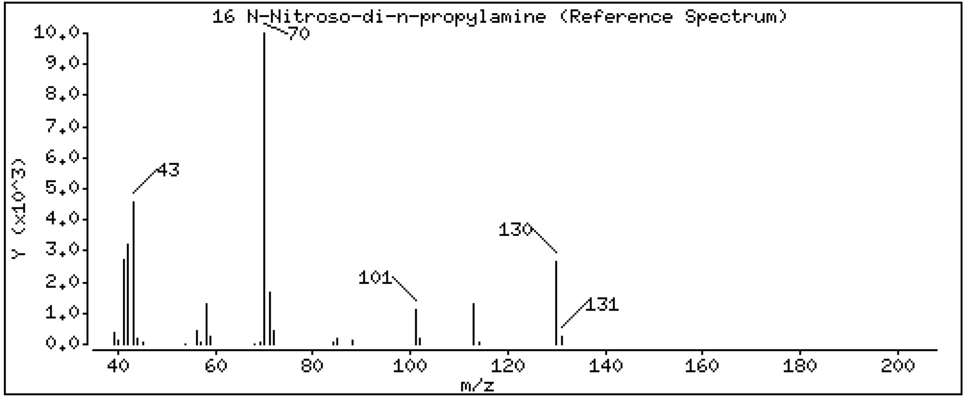
Concentration: 0.5155 ug/mL

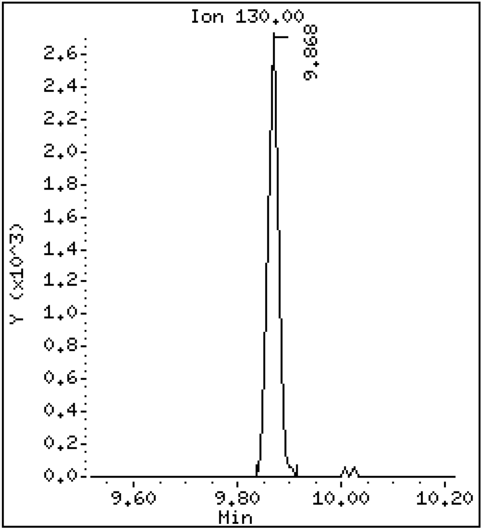


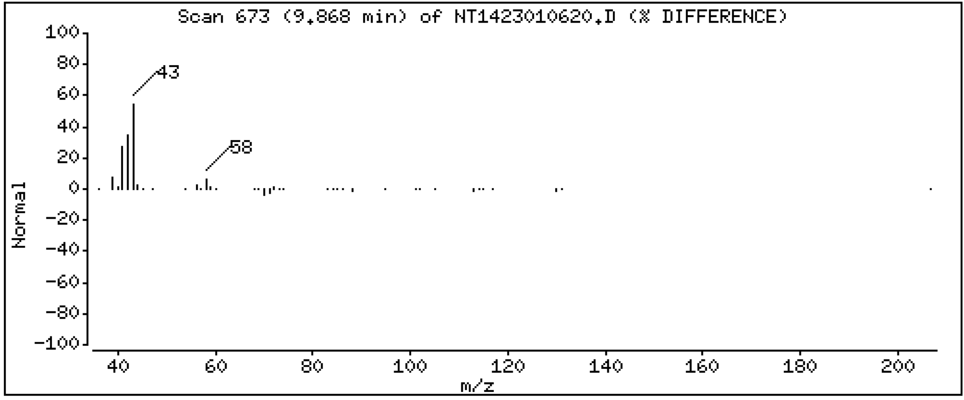












Data File: \\target\share\chem3\nt14.i\20230106.b\NT1423010620.D

Date : 06-JAN-2023 23:03

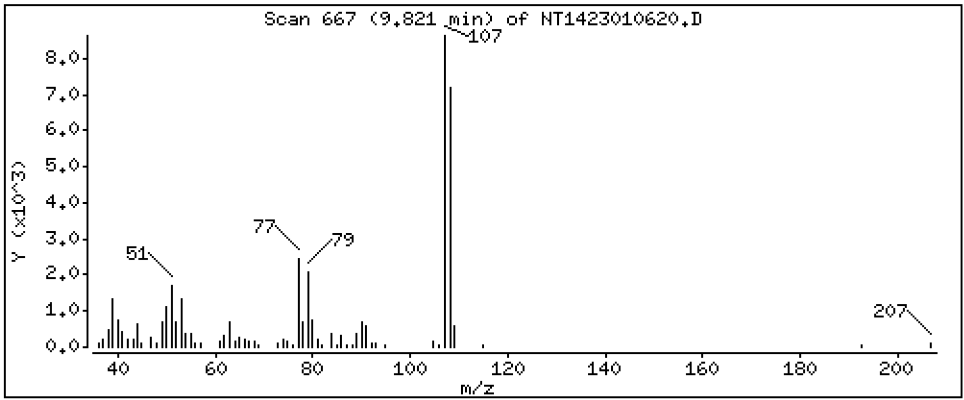
Client ID: Instrument: nt14.i

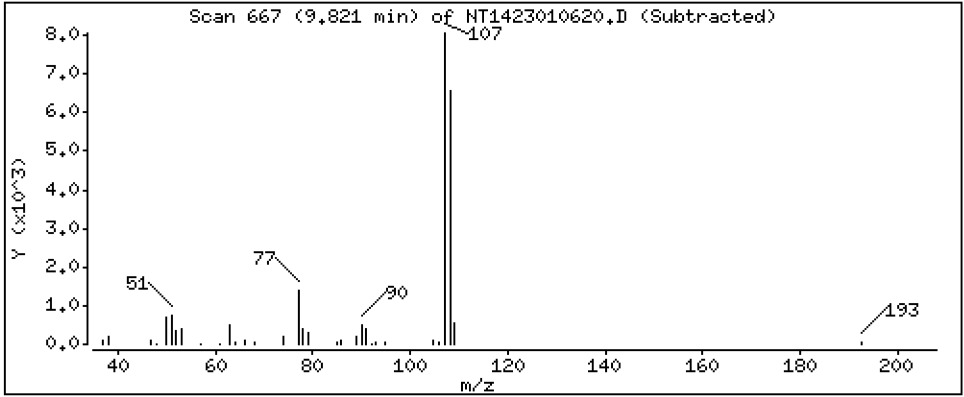
Sample Info: SLA0068-LCV2

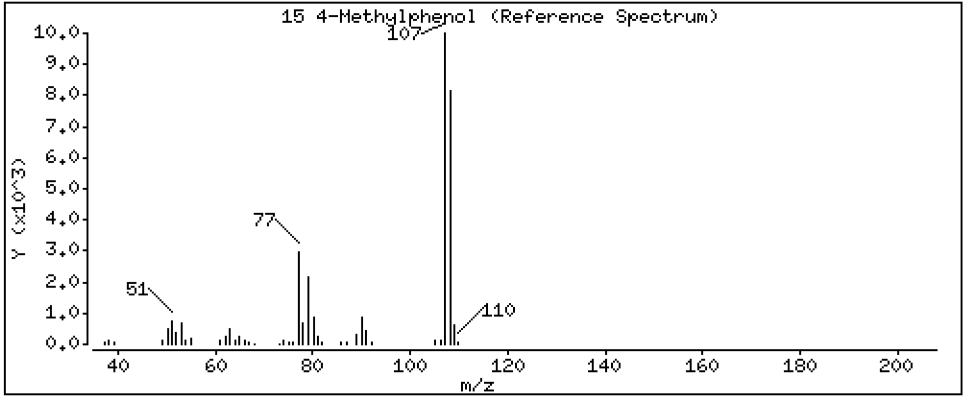
Operator: VTS

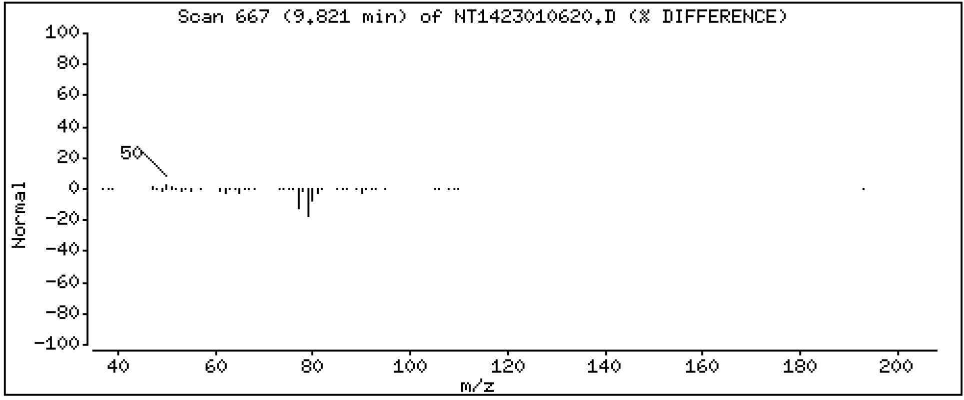
Column phase: ZB-5msi Column diameter: 0.25

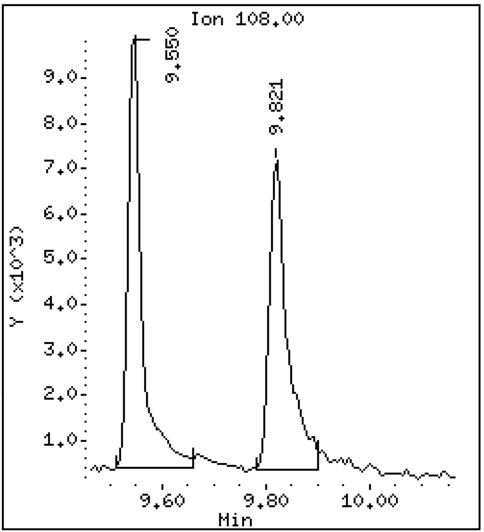
15 4-Methylphenol Concentration: 0.3300 ug/mL

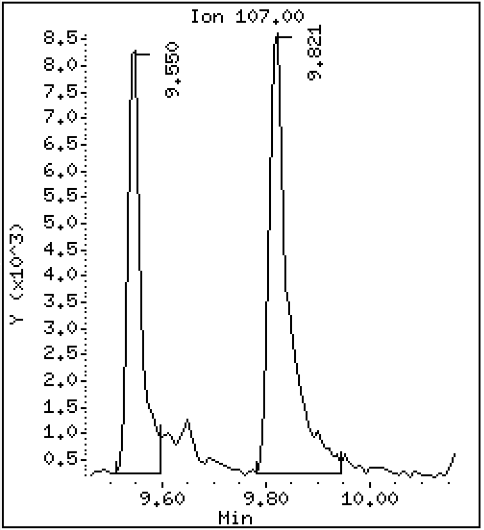


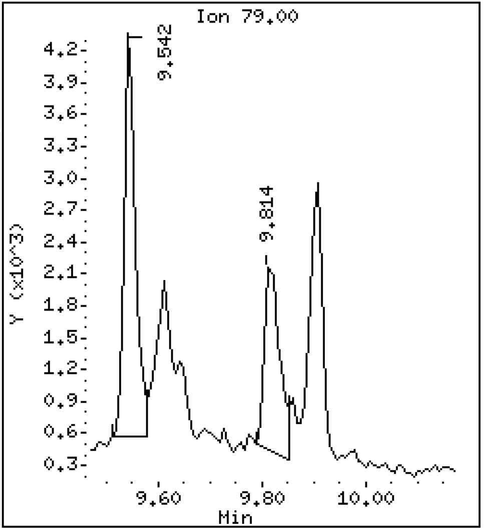












Data File: \\target\share\chem3\nt14.i\20230106.b\NT1423010620.D

Date : 06-JAN-2023 23:03

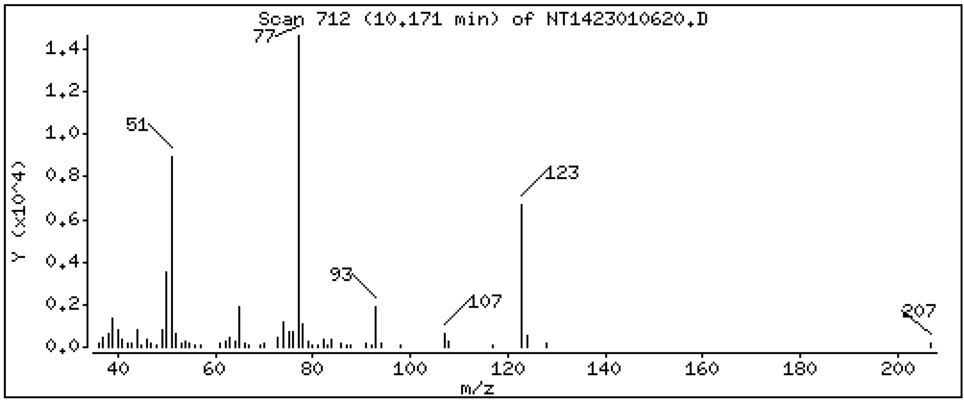
Client ID: Instrument: nt14.i

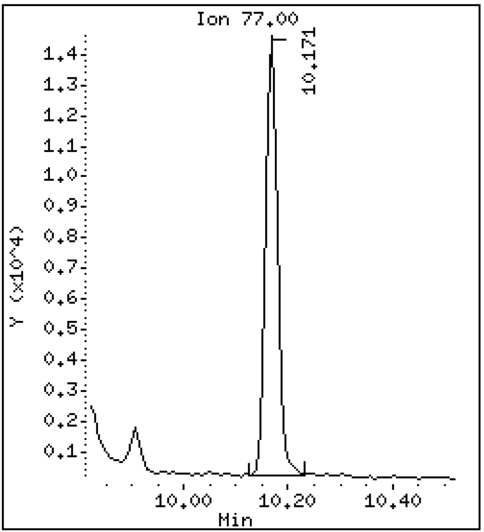
Sample Info: SLA0068-LCV2

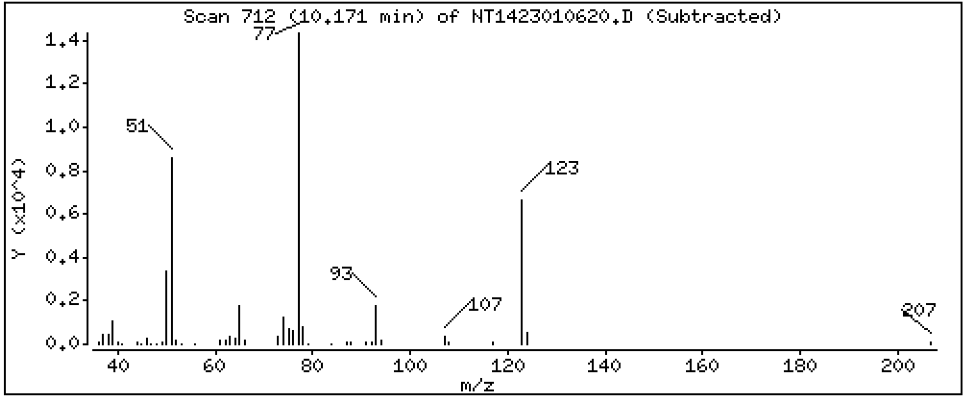
Operator: VTS

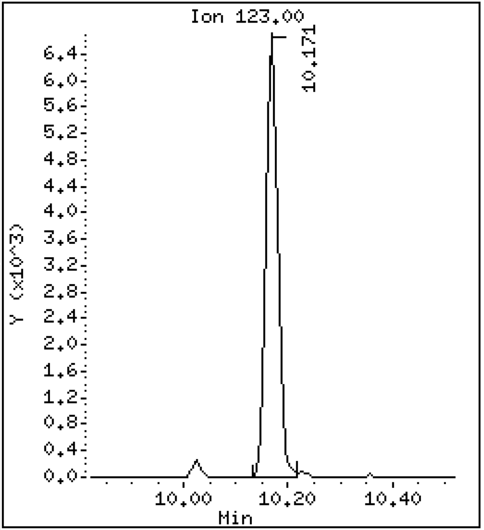
Column phase: ZB-5msi Column diameter: 0.25

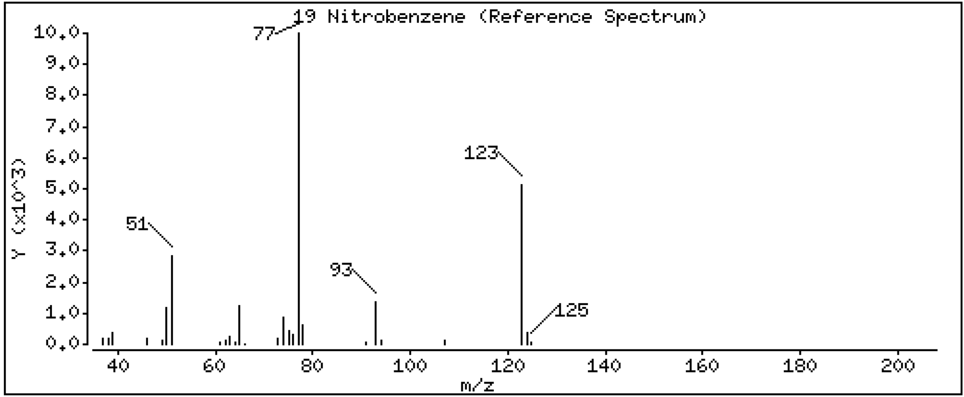
19 Nitrobenzene Concentration: 0.4923 ug/mL

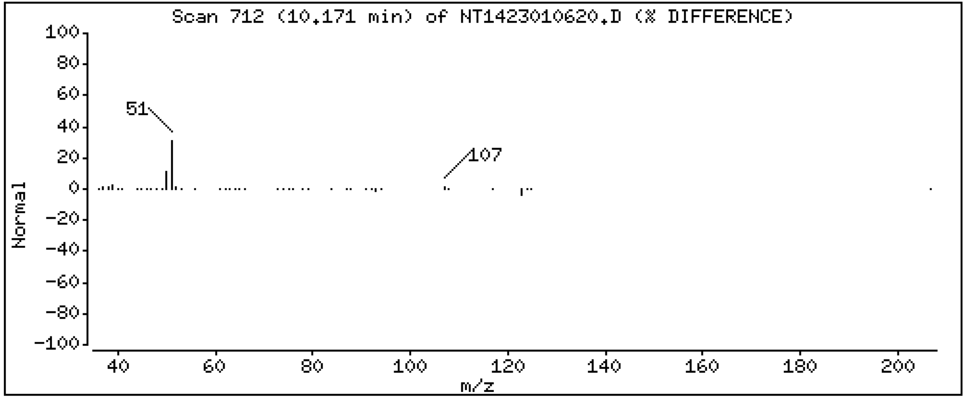

Scan 712 (10.171 min) of NT1423010620.D

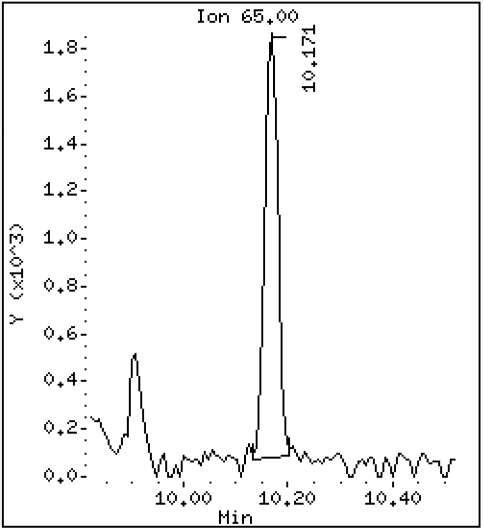

Ion 77.00


Scan 712 (10.171 min) of NT1423010620.D (Subtracted)


Ion 123.00


19 Nitrobenzene (Reference Spectrum)


Scan 712 (10.171 min) of NT1423010620.D (% DIFFERENCE)


Ion 65.00

Data File: \\target\share\chem3\nt14.i\20230106.b\NT1423010620.D

Date : 06-JAN-2023 23:03

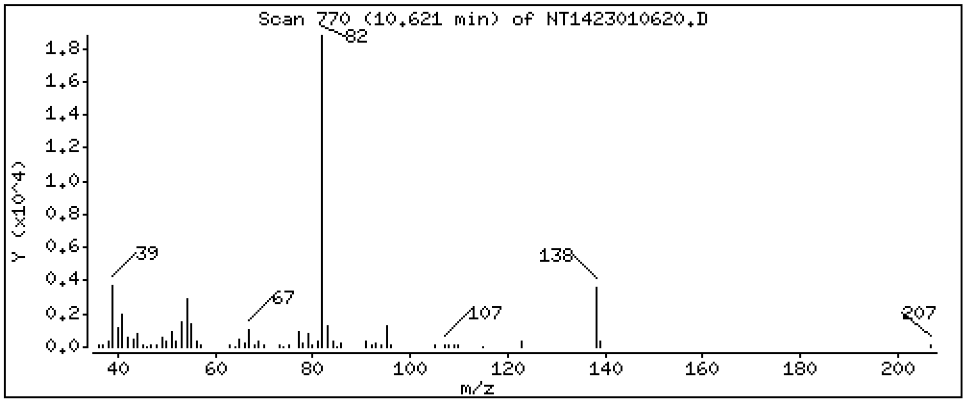
Client ID: Instrument: nt14.i

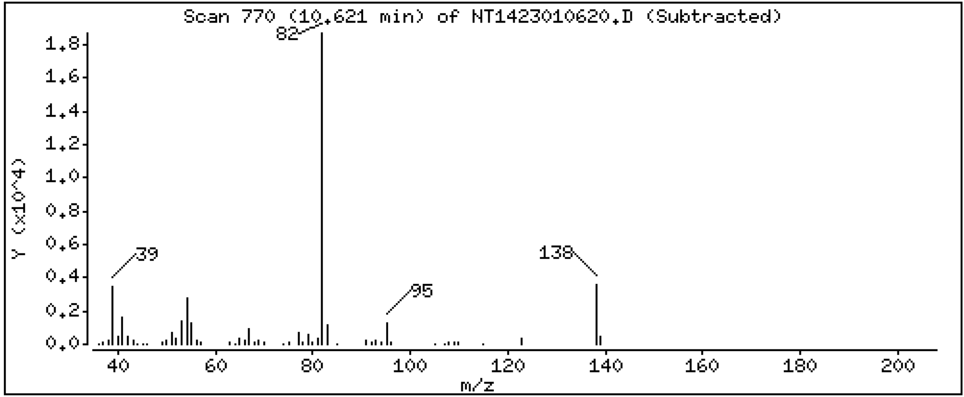
Sample Info: SLA0068-LCV2

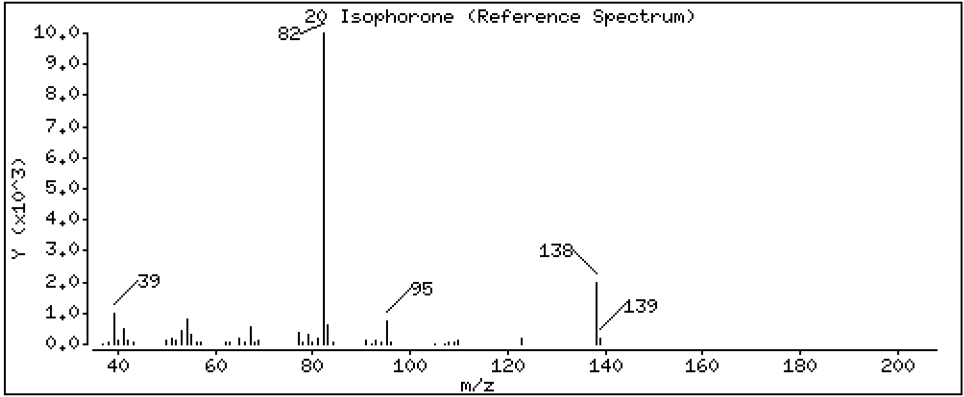
Operator: VTS

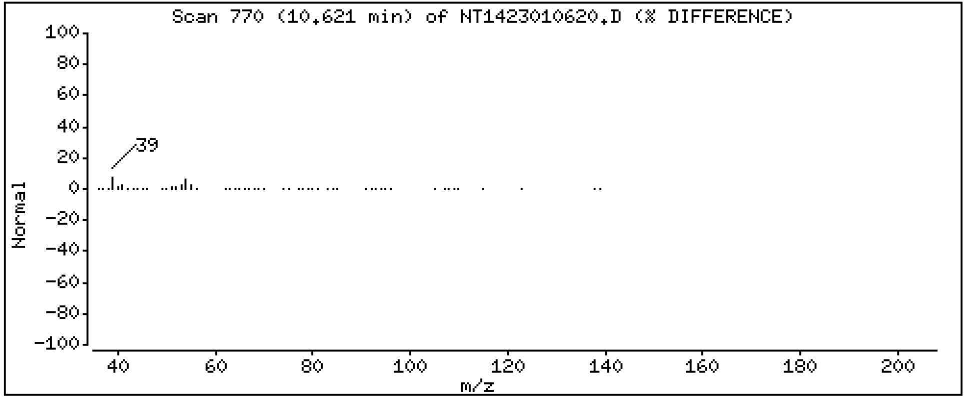
Column phase: ZB-5msi Column diameter: 0.25

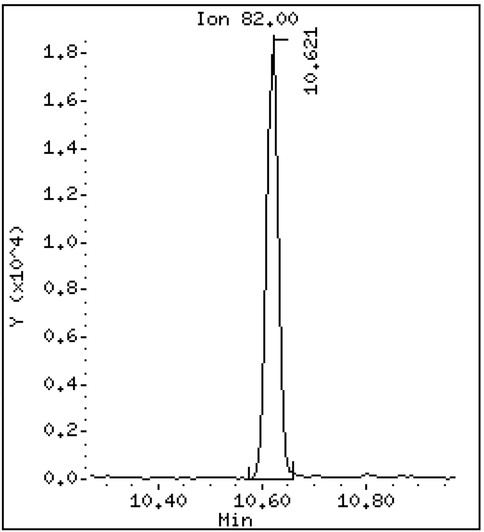
20 Isophorone Concentration: 0.4844 ug/mL

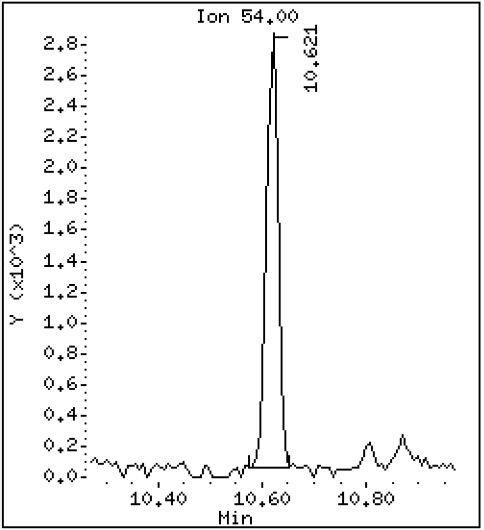


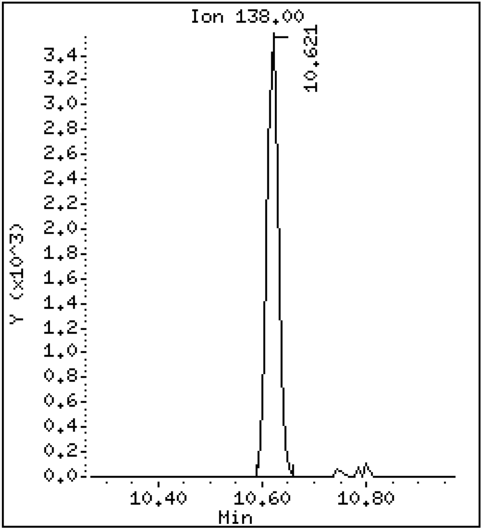












Date : 06-JAN-2023 23:03

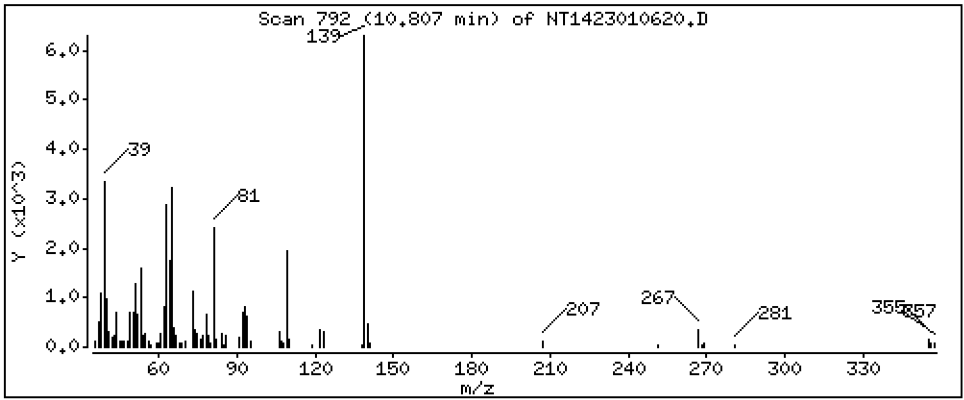
Client ID: Instrument: nt14.i

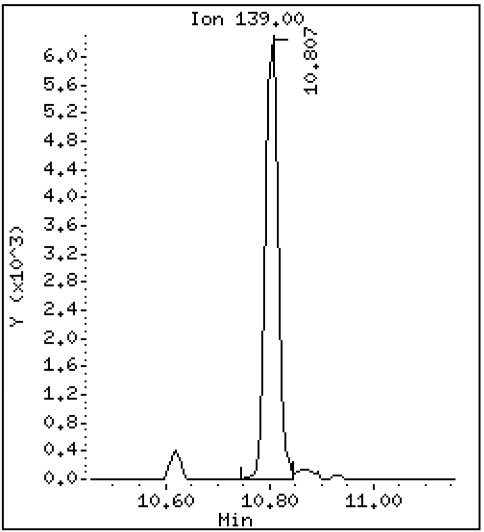
Sample Info: SLA0068-LCV2

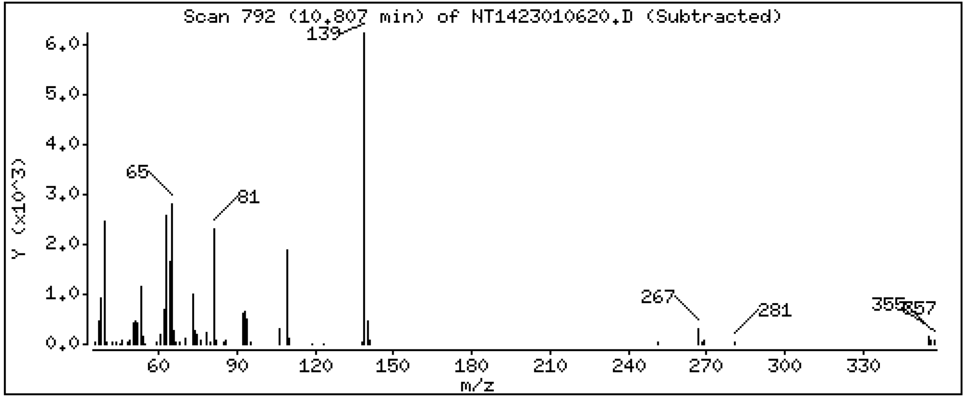
Operator: VTS

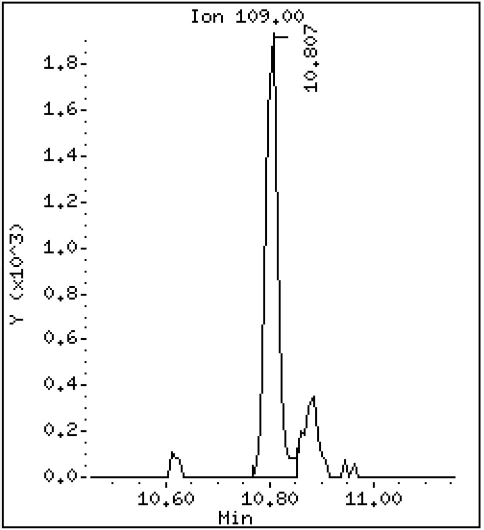
Column phase: ZB-5msi Column diameter: 0.25

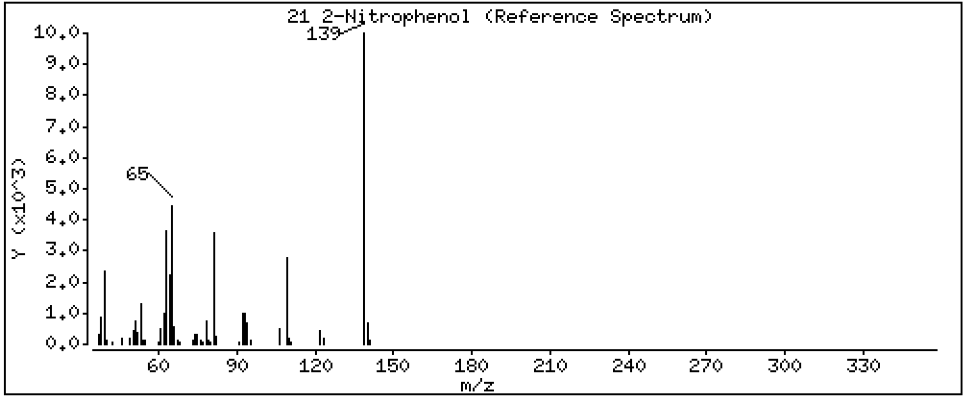
21 2-Nitrophenol Concentration: 0.4302 ug/mL

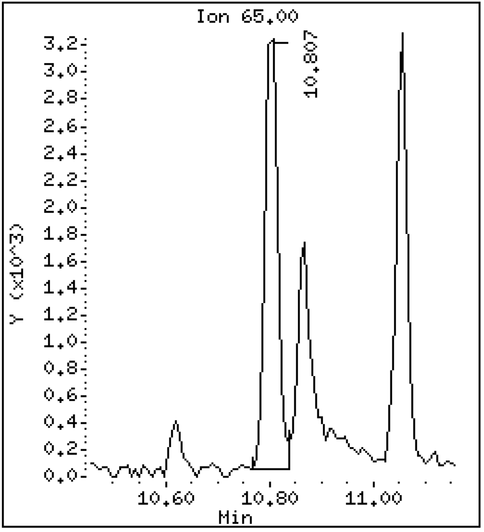


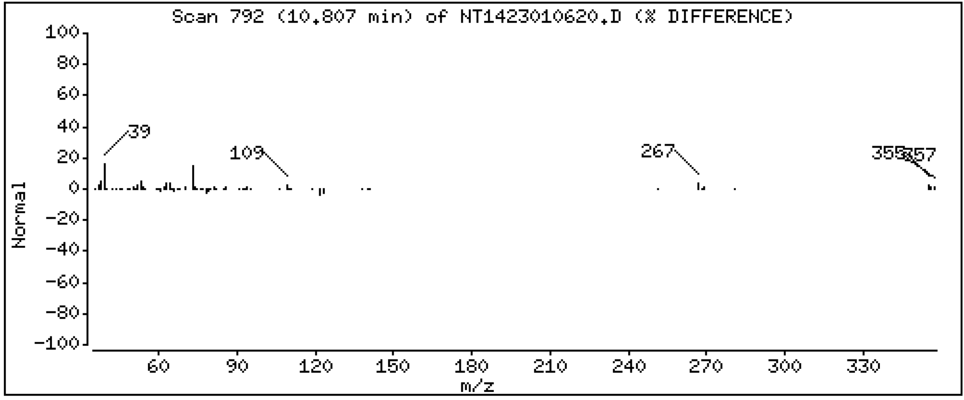












Data File: \\target\share\chem3\nt14.i\20230106.b\NT1423010620.D

Date : 06-JAN-2023 23:03

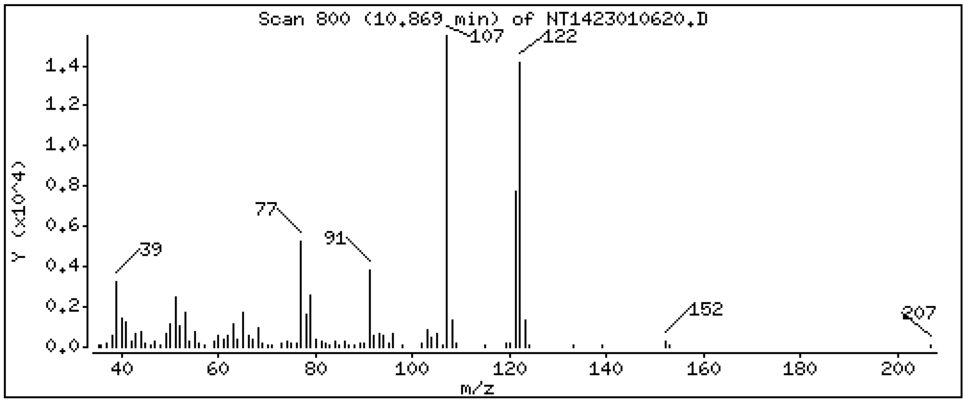
Client ID: Instrument: nt14.i

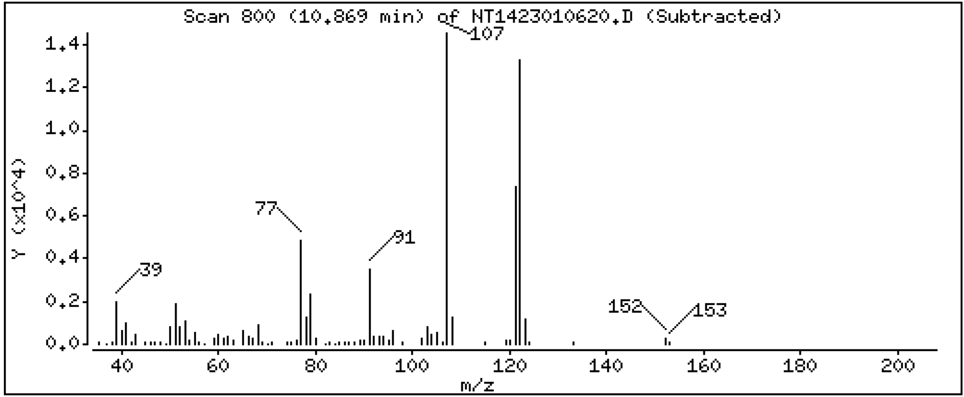
Sample Info: SLA0068-LCV2

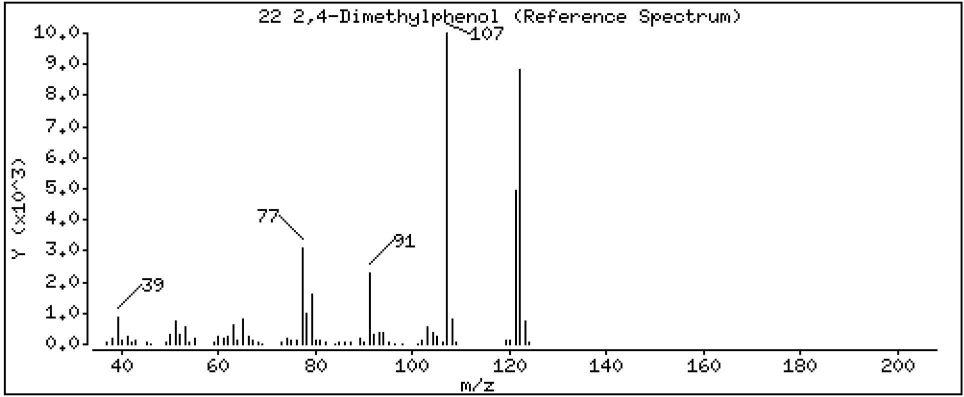
Operator: VTS

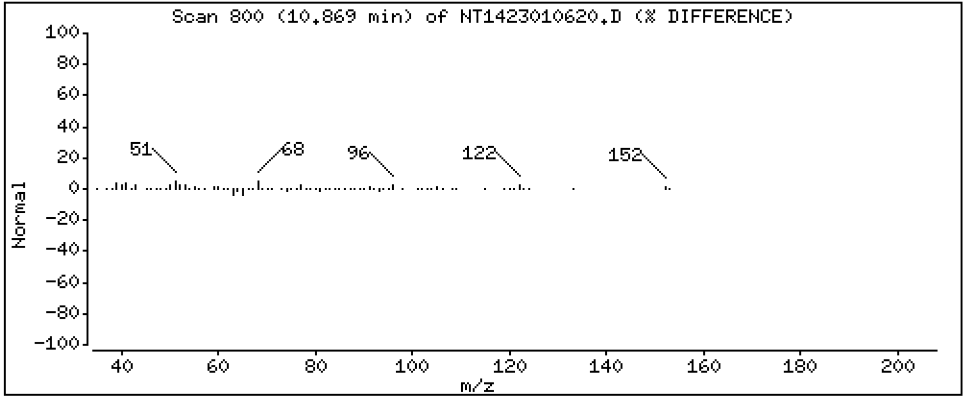
Column phase: ZB-5msi Column diameter: 0.25

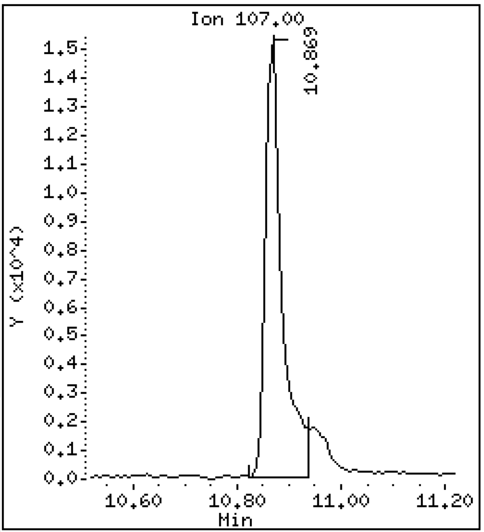
22 2,4-Dimethylphenol Concentration: 0.7152 ug/mL


Scan 800 (10.869 min) of NT1423010620.D


Scan 800 (10.869 min) of NT1423010620.D (Subtracted)


22 2,4-Dimethylphenol (Reference Spectrum)


Scan 800 (10.869 min) of NT1423010620.D (% DIFFERENCE)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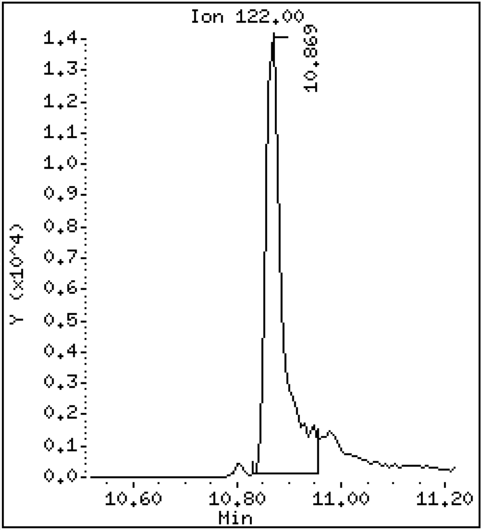
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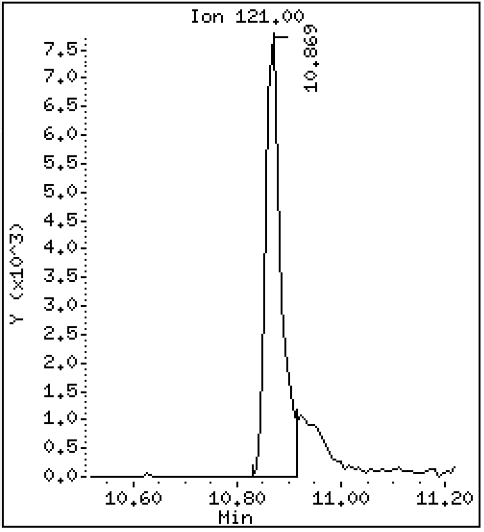

Ion 121.00

Data File: \\target\share\chem3\nt14.i\20230106.b\NT1423010620.D

Date : 06-JAN-2023 23:03

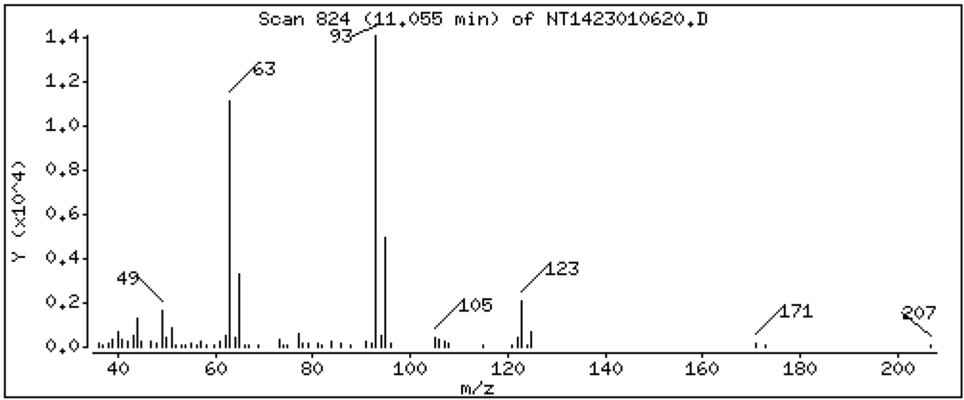
Client ID: Instrument: nt14.i

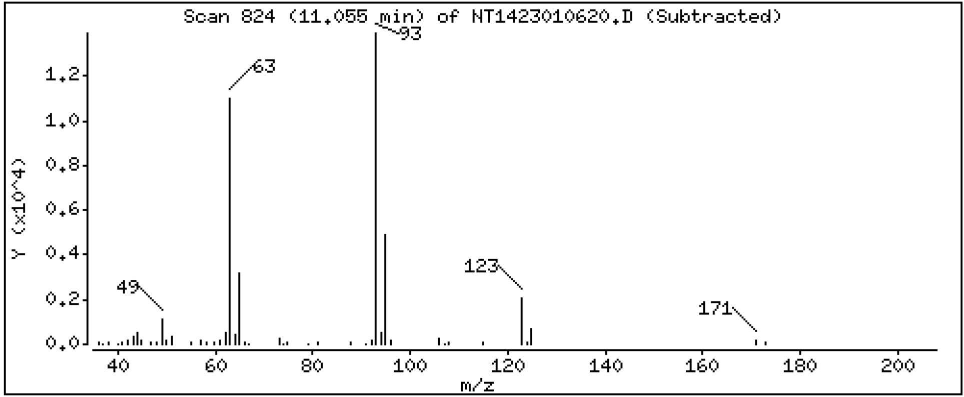
Sample Info: SLA0068-LCV2

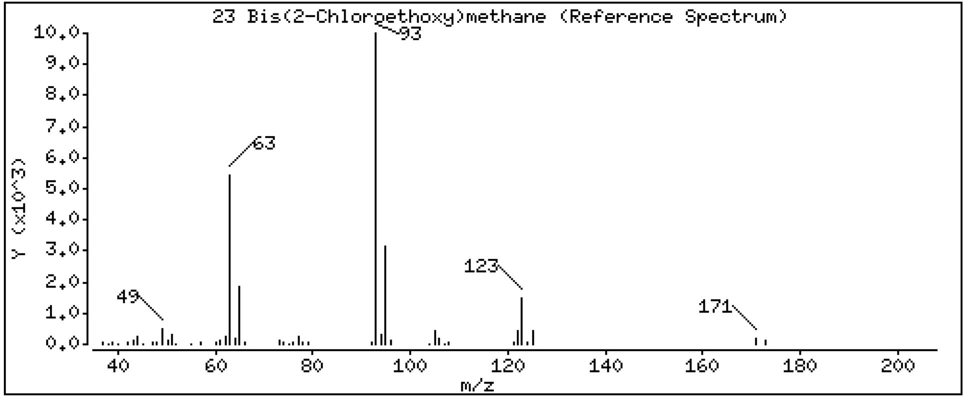
Operator: VTS

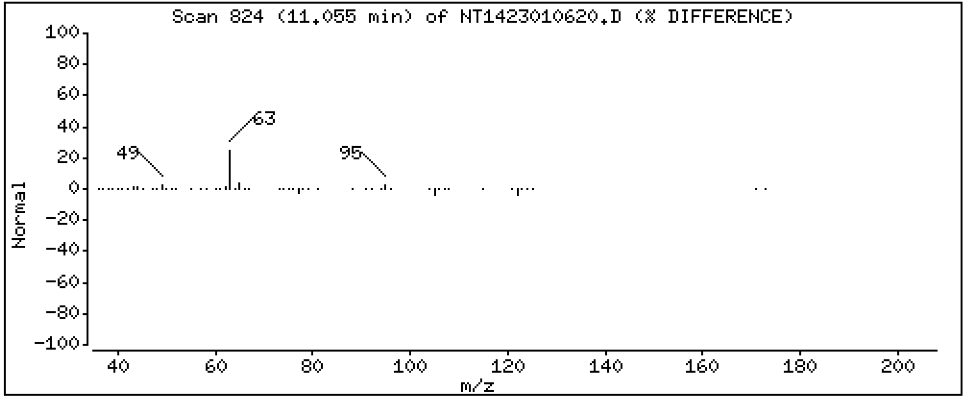
Column phase: ZB-5msi Column diameter: 0.25

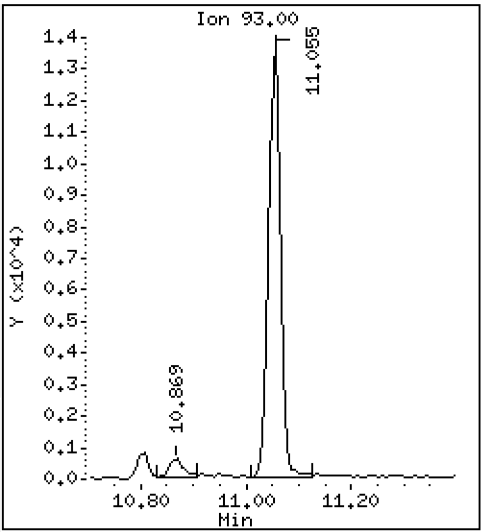
23 Bis(2-Chloroethoxy)methane Concentration: 0.4626 ug/mL

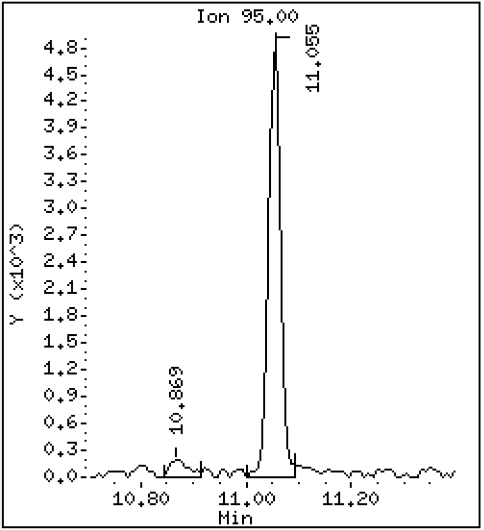

Scan 824 (11.055 min) of NT1423010620.D

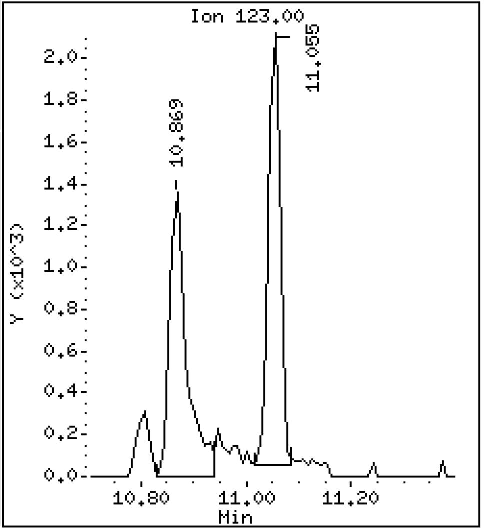

Scan 824 (11.055 min) of NT1423010620.D (Subtracted)


23 Bis(2-Chloroethoxy)methane (Reference Spectrum)


Scan 824 (11.055 min) of NT1423010620.D (% DIFFERENCE)


Ion 93.00


Ion 95.00


Ion 123.00

Data File: \\target\share\chem3\nt14.i\20230106.b\NT1423010620.D

Date : 06-JAN-2023 23:03

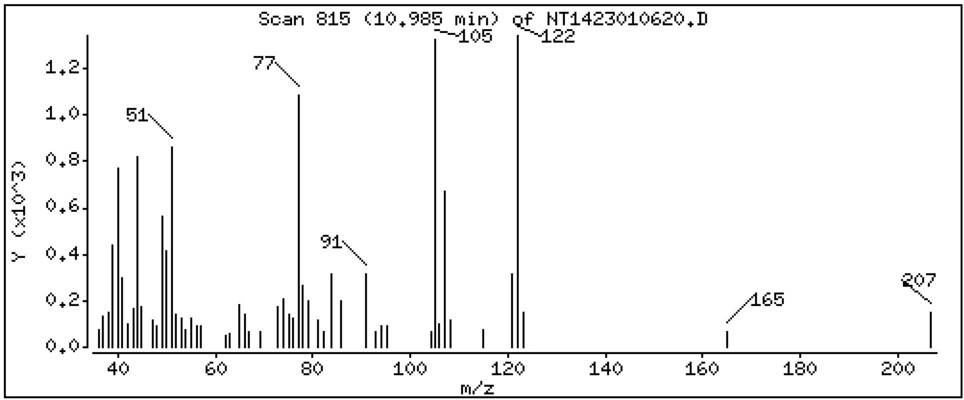
Client ID: Instrument: nt14.i

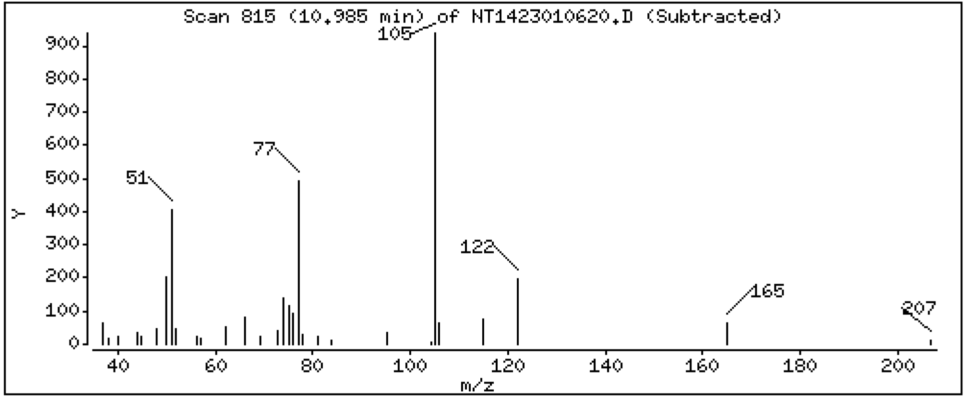
Sample Info: SLA0068-LCV2

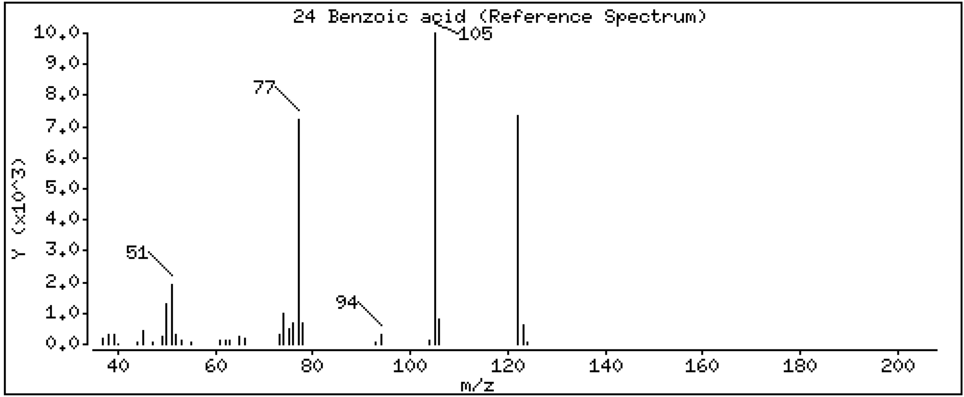
Operator: VTS

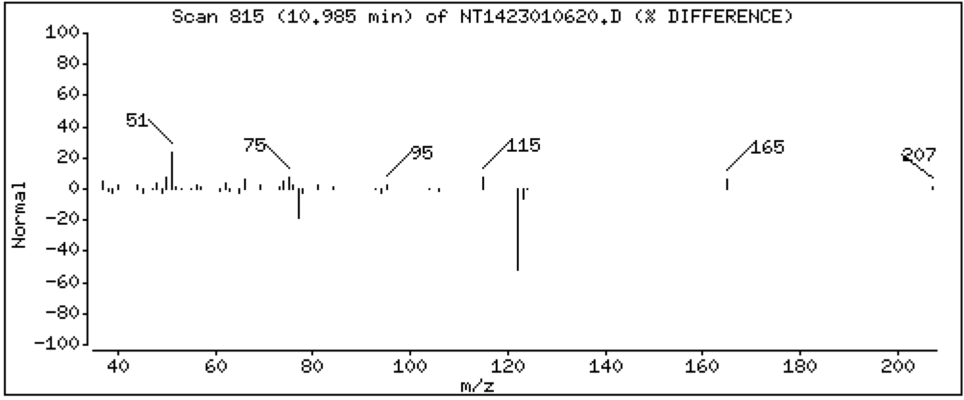
Column phase: ZB-5msi Column diameter: 0.25

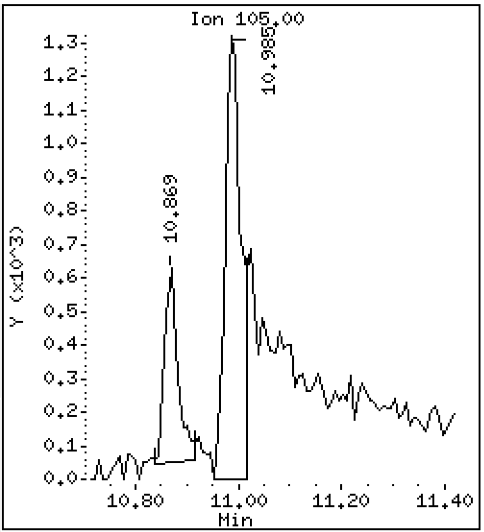
24 Benzoic acid Concentration: 0.1039 ug/mL


Scan 815 (10.985 min) of NT1423010620.D


Scan 815 (10.985 min) of NT1423010620.D (Subtracted)


24 Benzoic acid (Reference Spectrum)


Scan 815 (10.985 min) of NT1423010620.D (% DIFFERENCE)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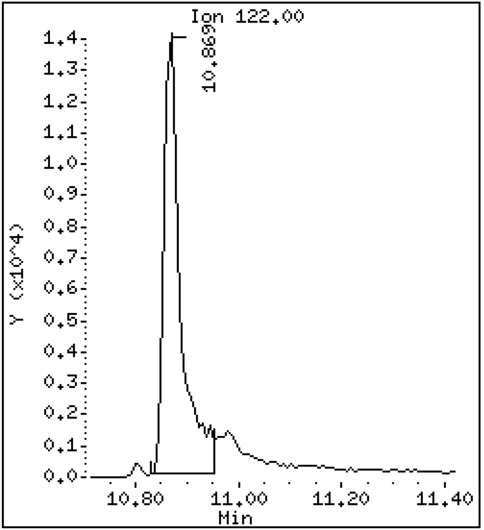
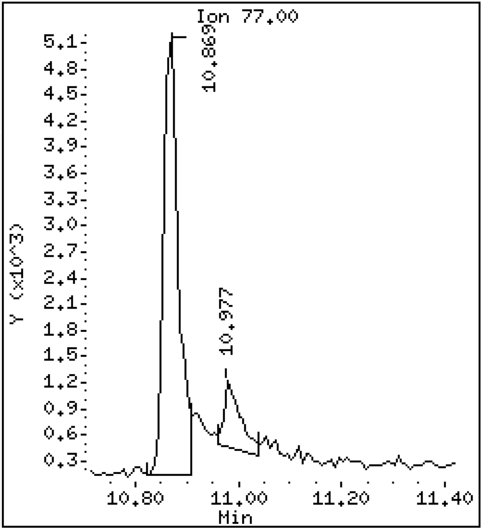

Ion 122.00


Ion 77.00

Data File: \\target\share\chem3\nt14.i\20230106.b\NT1423010620.D

Date : 06-JAN-2023 23:03

Client ID:

Instrument: nt14.i

Sample Info: SLA0068-LCV2

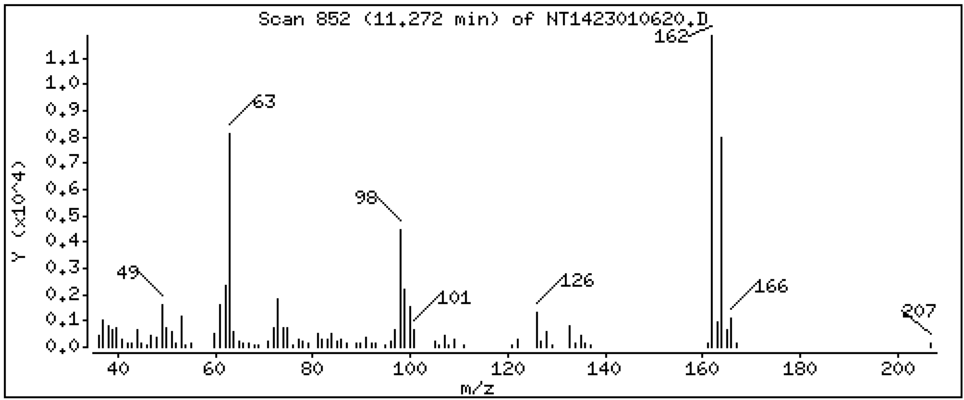
Operator: VTS

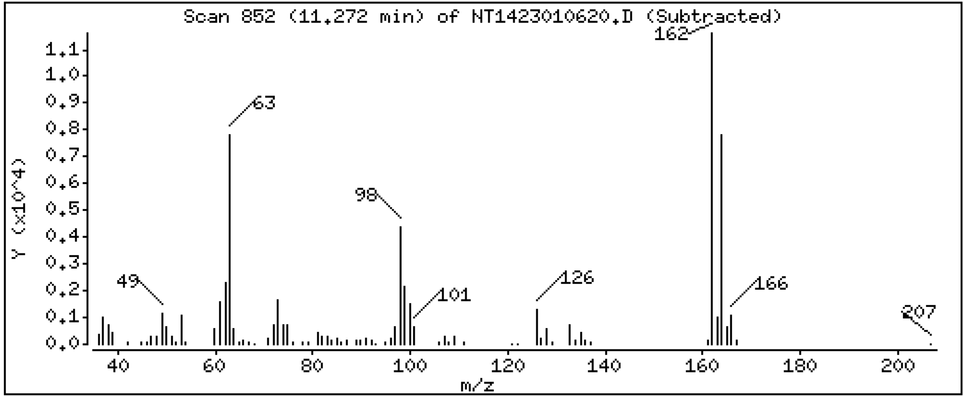
Column phase: ZB-5msi

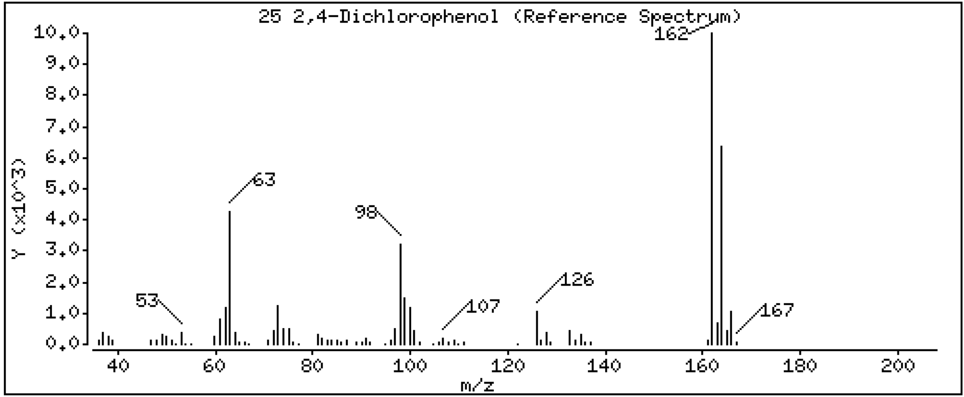
Column diameter: 0.25

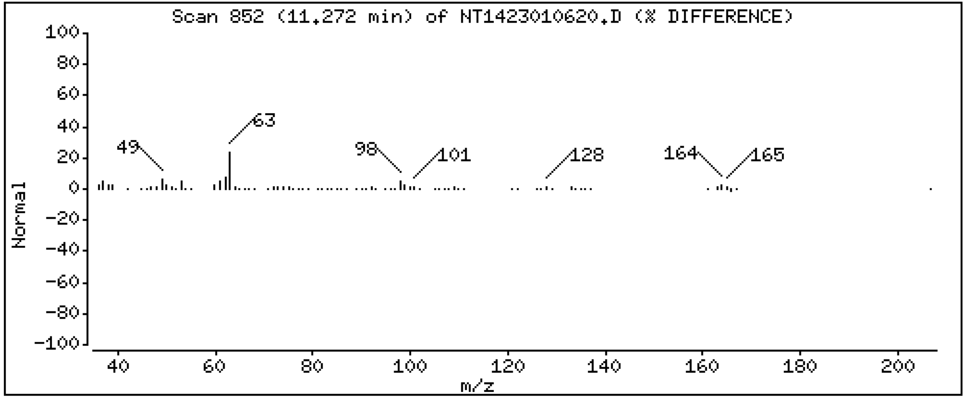
25 2,4-Dichlorophenol

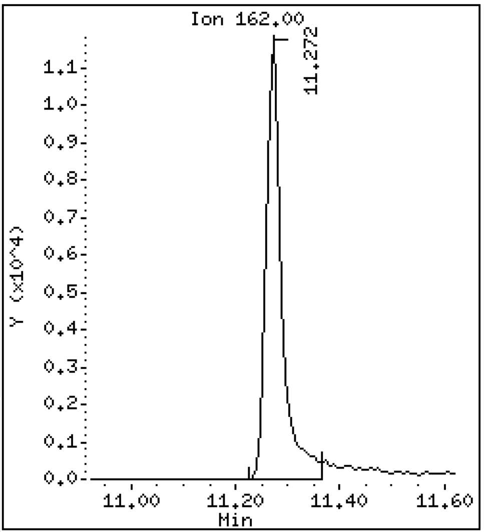
Concentration: 0.6201 ug/mL

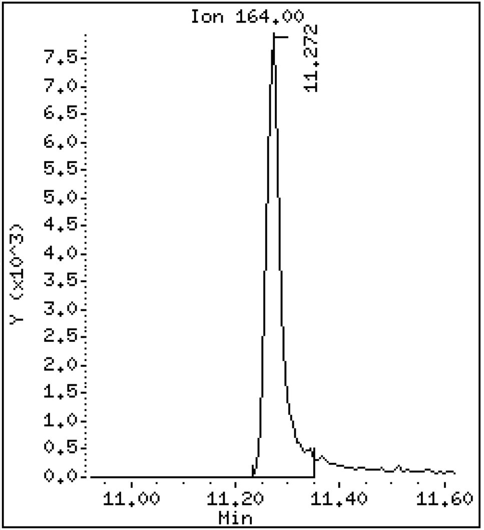

Scan 852 (11.272 min) of NT1423010620.D

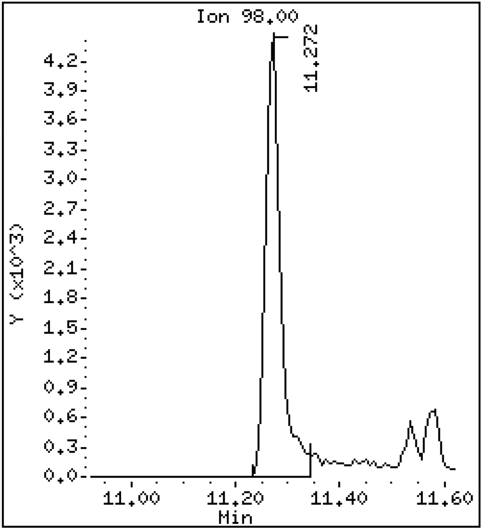

Scan 852 (11.272 min) of NT1423010620.D (Subtracted)


25 2,4-Dichlorophenol (Reference Spectrum)


Scan 852 (11.272 min) of NT1423010620.D (% DIFFERENCE)


Ion 162.00


Ion 164.00


Ion 98.00

Data File: \\target\share\chem3\nt14.i\20230106.b\NT1423010620.D

Date : 06-JAN-2023 23:03

Client ID:

Instrument: nt14.i

Sample Info: SLA0068-LCV2

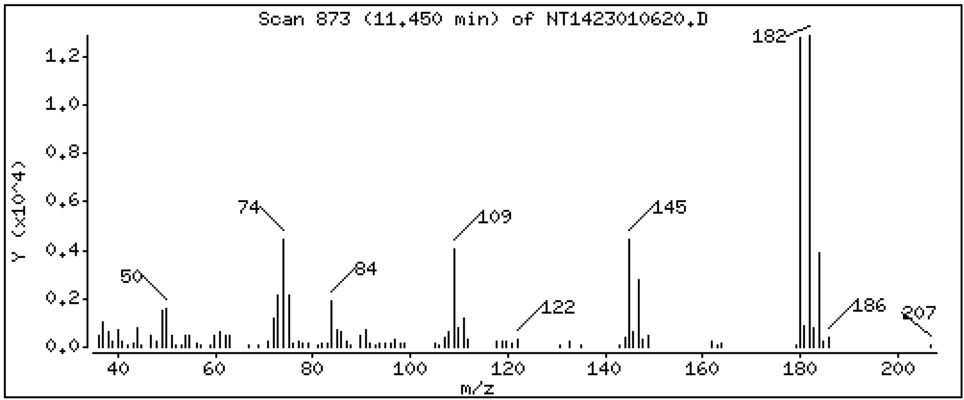
Operator: VTS

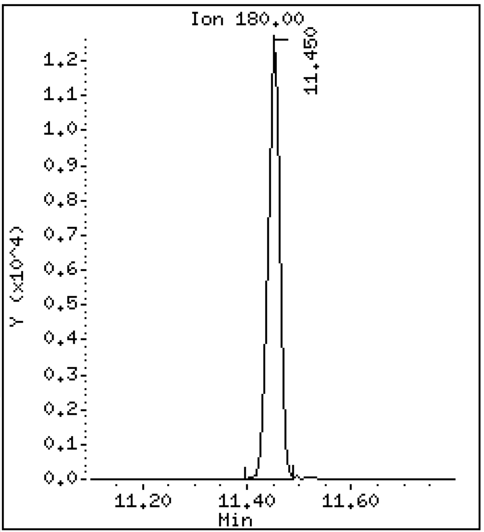
Column phase: ZB-5msi

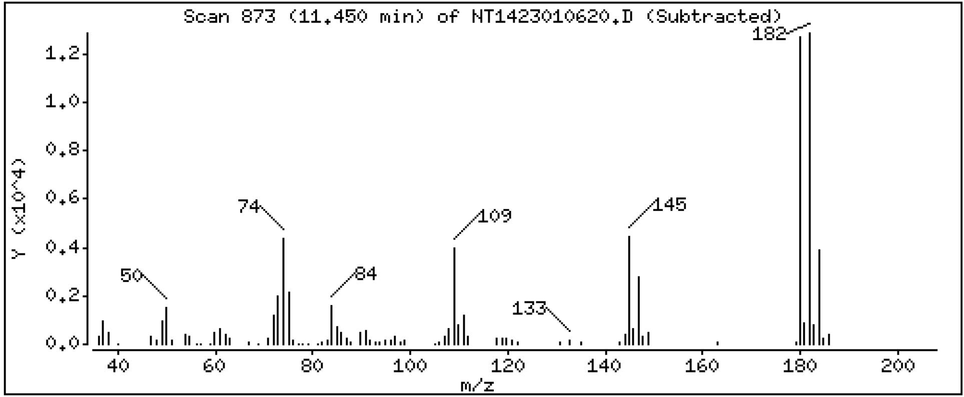
Column diameter: 0.25

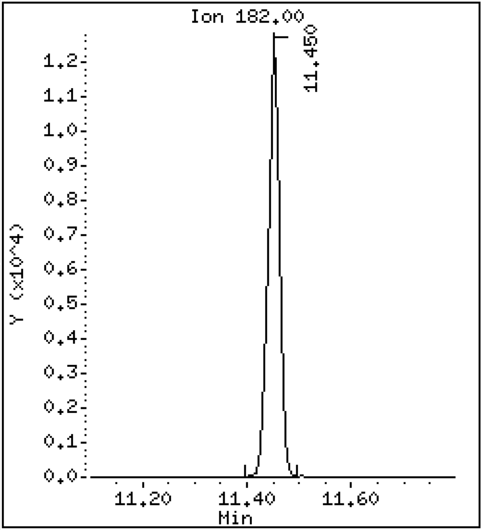
26 1,2,4-Trichlorobenzene

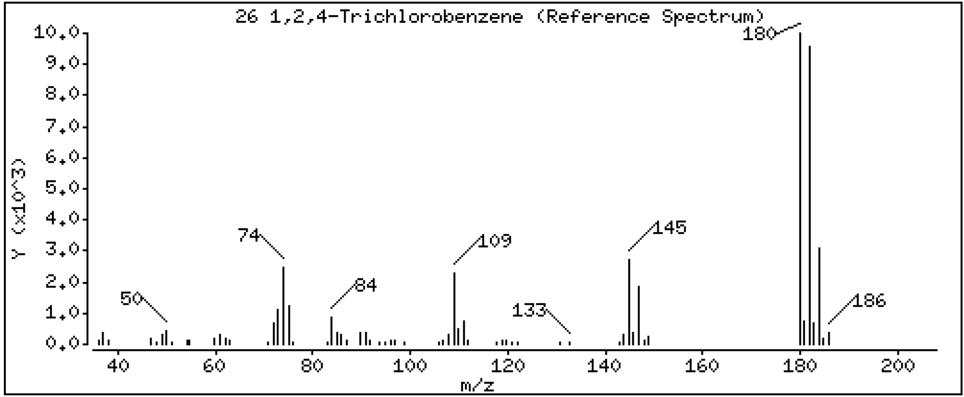
Concentration: 0.5482 ug/mL

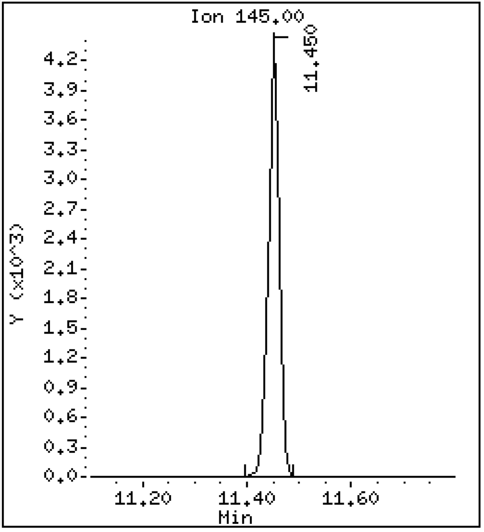


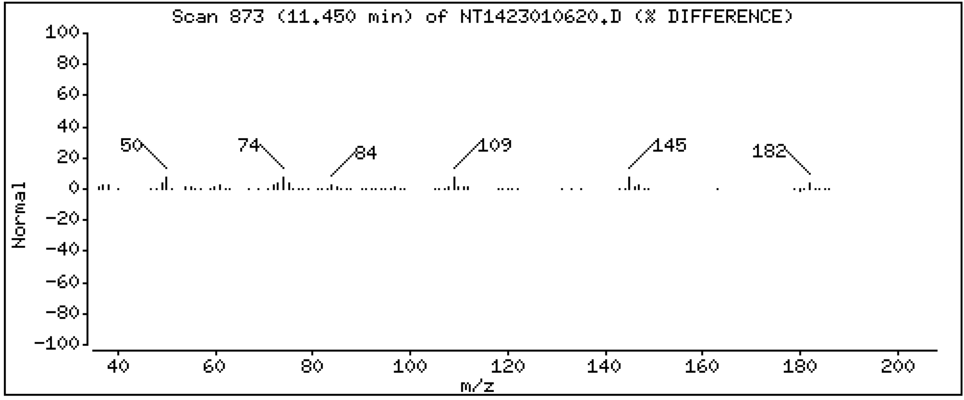












Data File: \\target\share\chem3\nt14.i\20230106.b\NT1423010620.D

Date : 06-JAN-2023 23:03

Client ID:

Instrument: nt14.i

Sample Info: SLA0068-LCV2

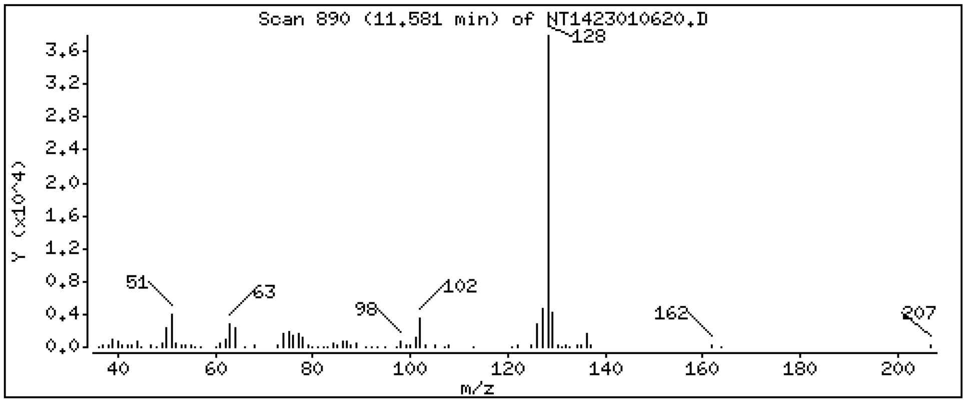
Operator: VTS

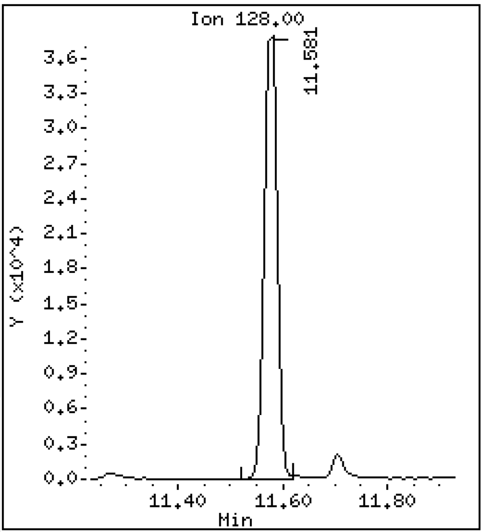
Column phase: ZB-5msi

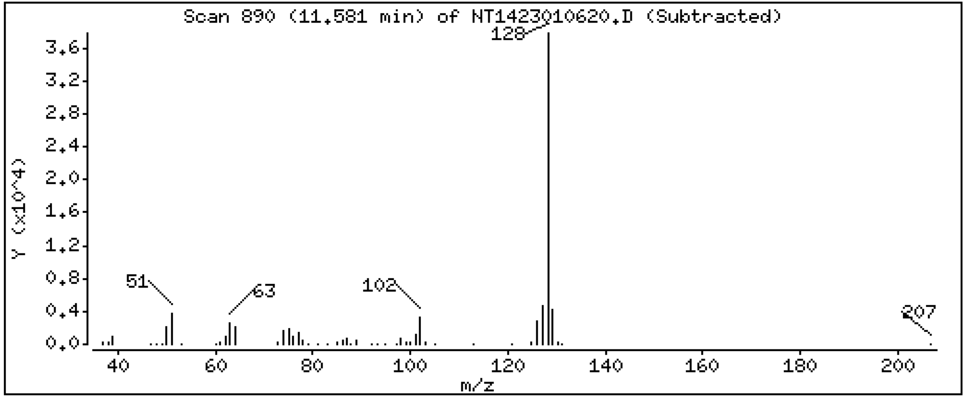
Column diameter: 0.25

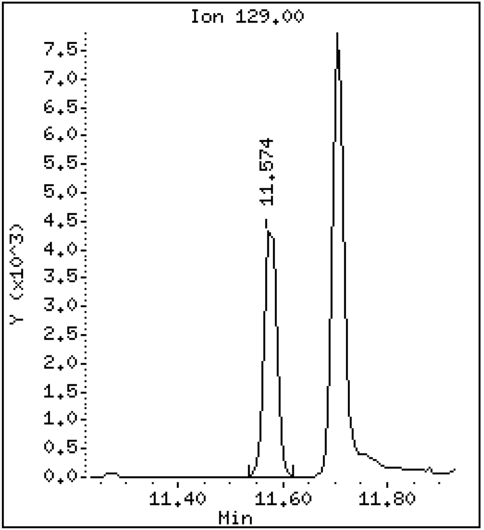
28 Naphthalene

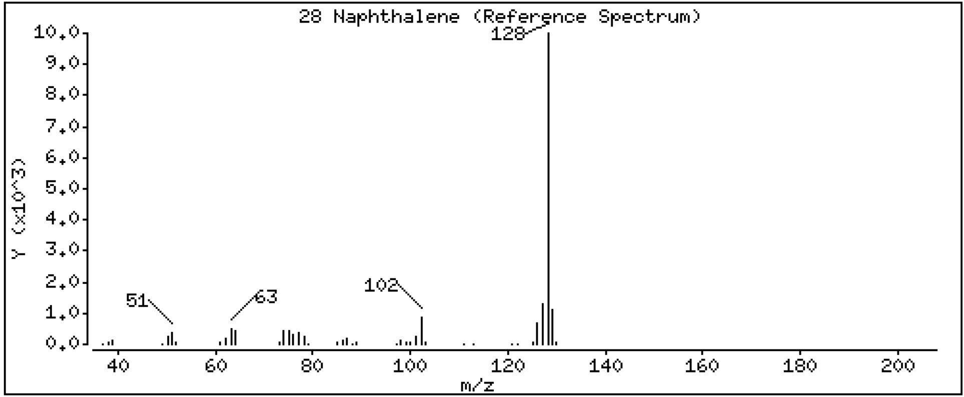
Concentration: 0.4696 ug/mL

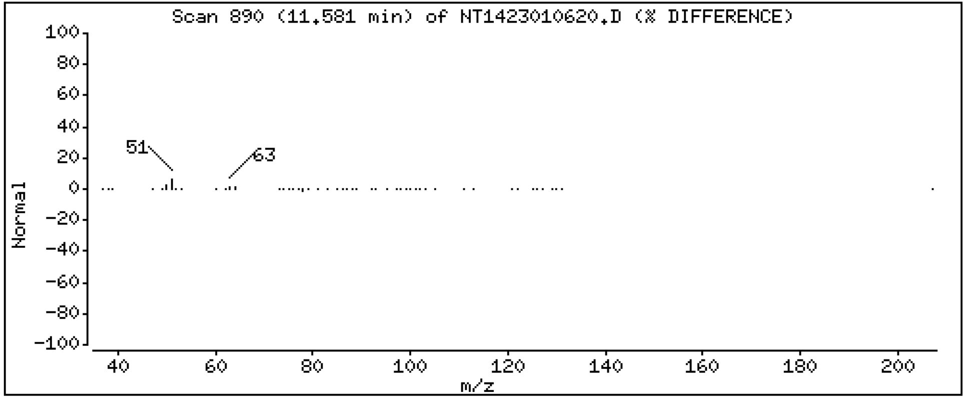

Scan 890 (11.581 min) of NT1423010620.D

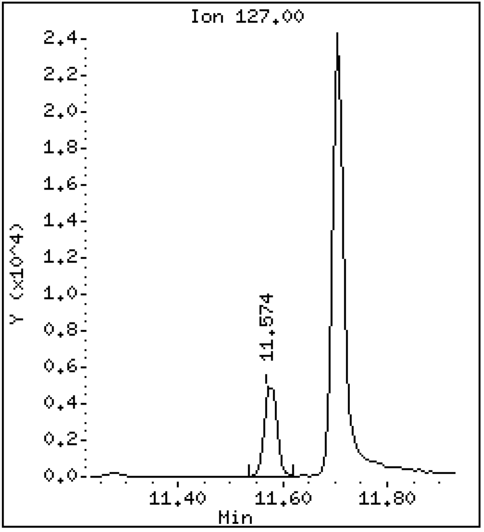

Ion 128.00


Scan 890 (11.581 min) of NT1423010620.D (Subtracted)


Ion 129.00


28 Naphthalene (Reference Spectrum)


Scan 890 (11.581 min) of NT1423010620.D (% DIFFERENCE)


Ion 127.00

Data File: \\target\share\chem3\nt14.i\20230106.b\NT1423010620.D

Date : 06-JAN-2023 23:03

Client ID:

Instrument: nt14.i

Sample Info: SLA0068-LCV2

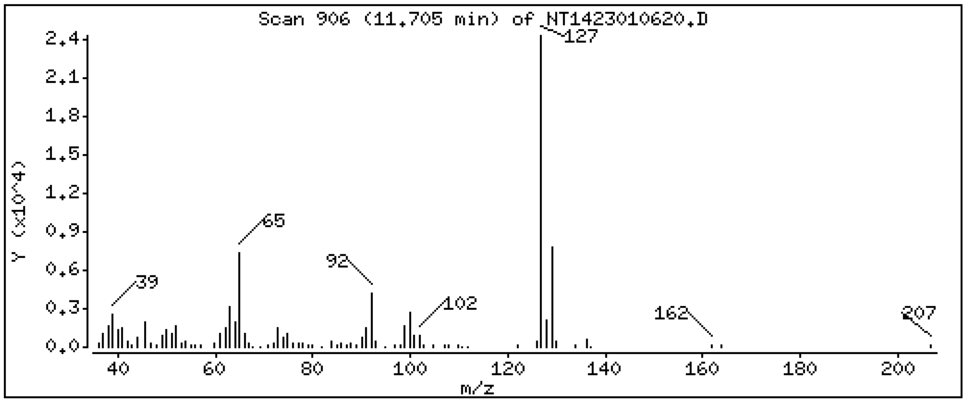
Operator: VTS

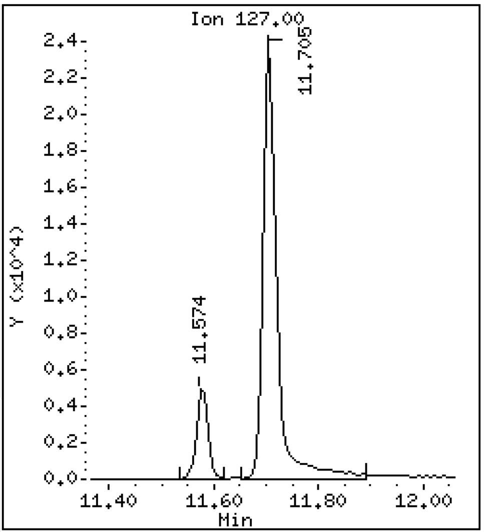
Column phase: ZB-5msi

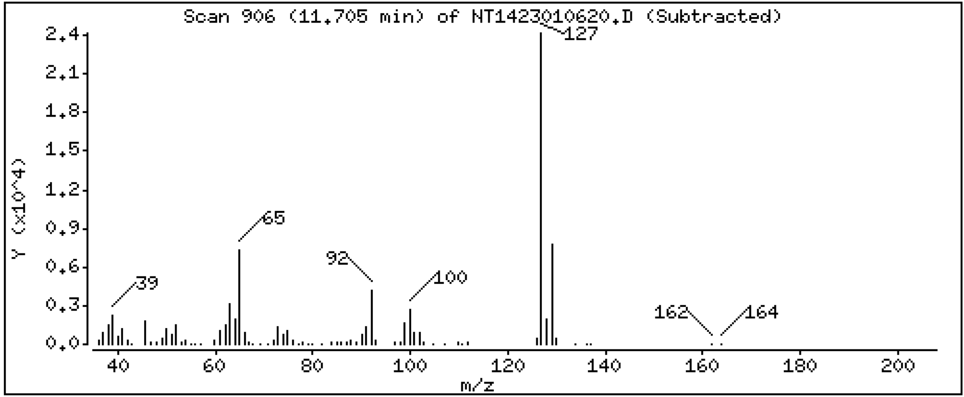
Column diameter: 0.25

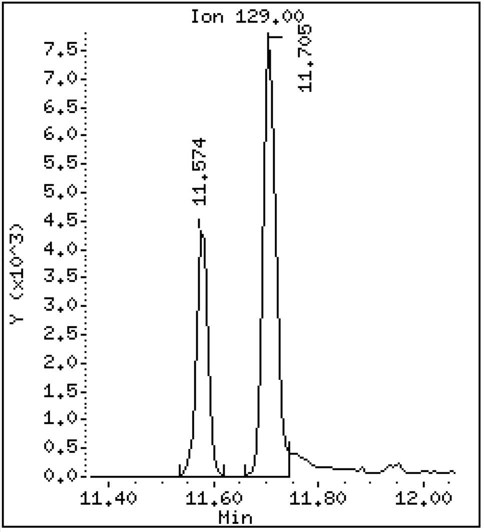
29 4-Chloroaniline

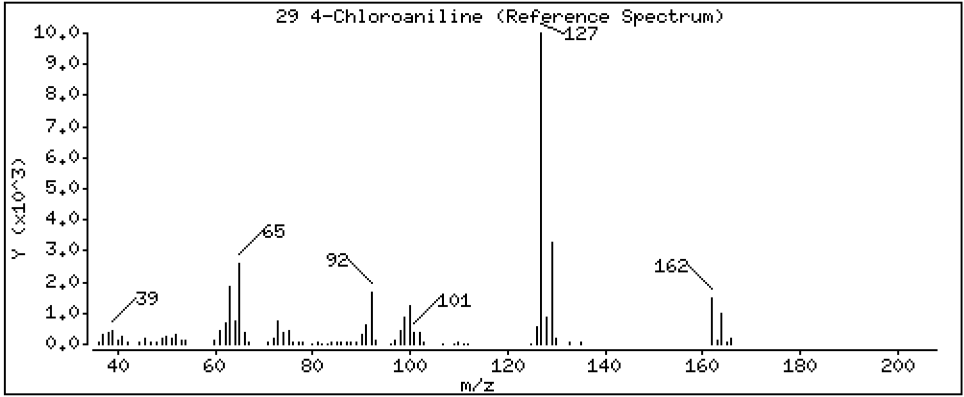
Concentration: 0.8098 ug/mL

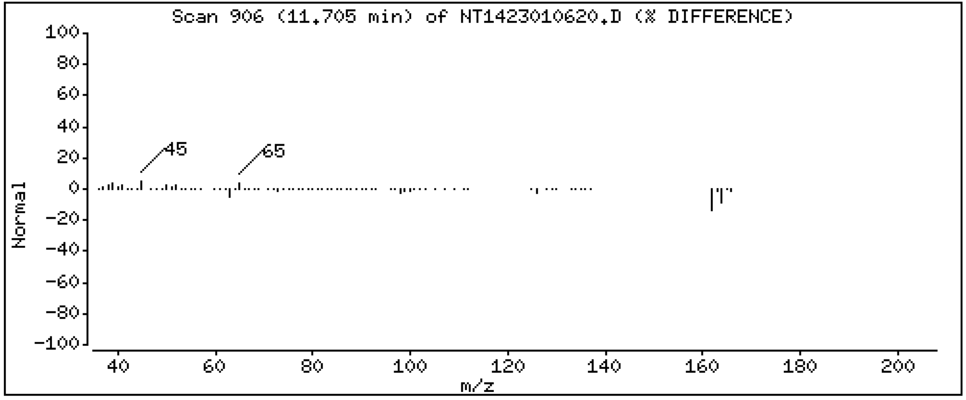












Data File: \\target\share\chem3\nt14.i\20230106.b\NT1423010620.D

Date : 06-JAN-2023 23:03

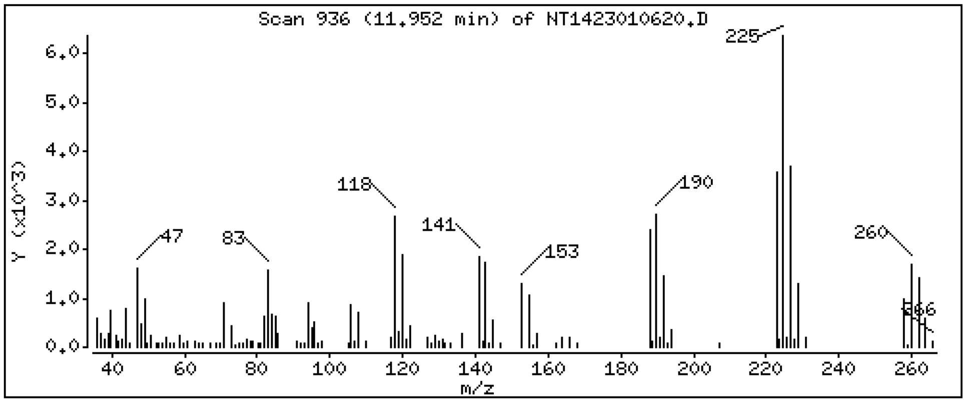
Client ID: Instrument: nt14.i

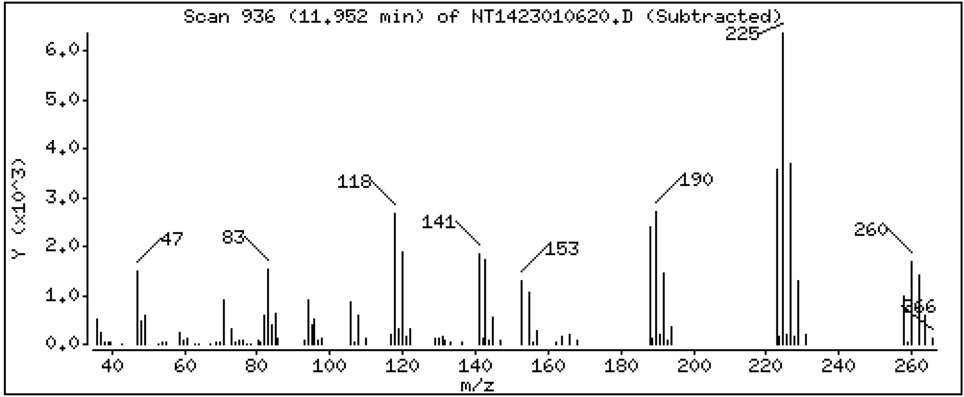
Sample Info: SLA0068-LCV2

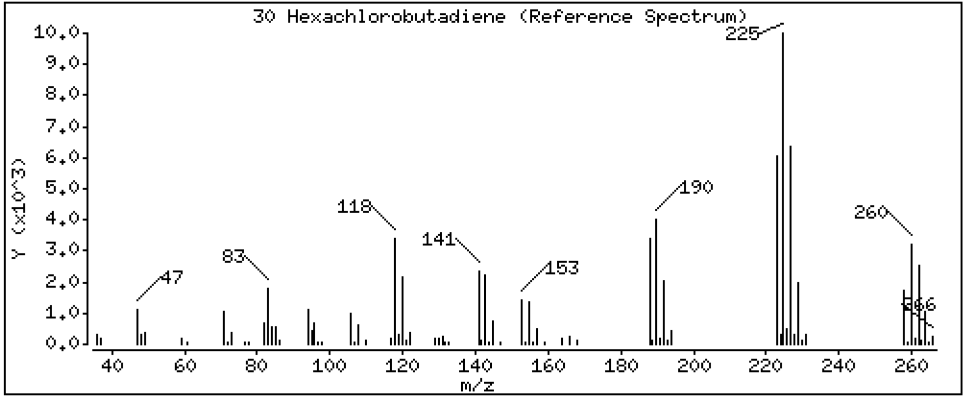
Operator: VTS

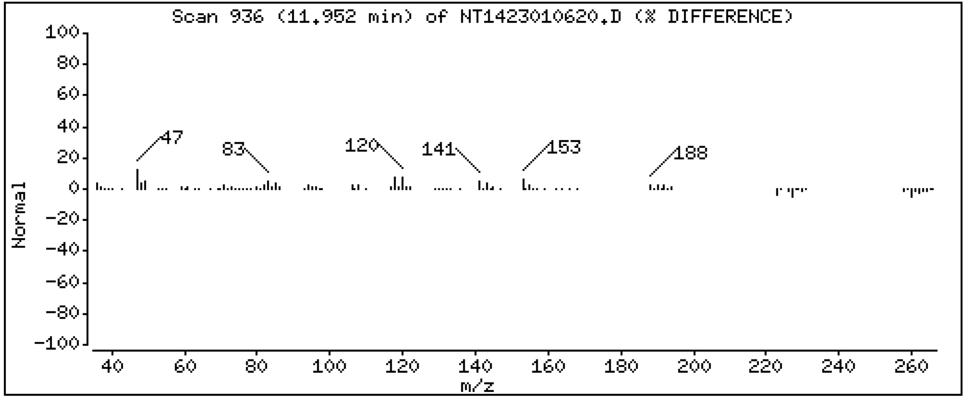
Column phase: ZB-5msi Column diameter: 0.25

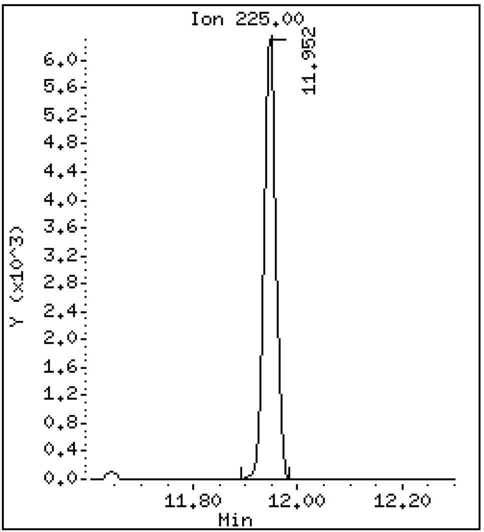
30 Hexachlorobutadiene Concentration: 0.5745 ug/mL

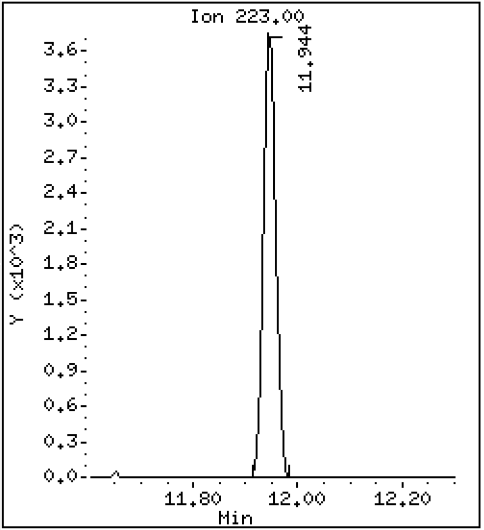

Scan 936 (11.952 min) of NT1423010620.D

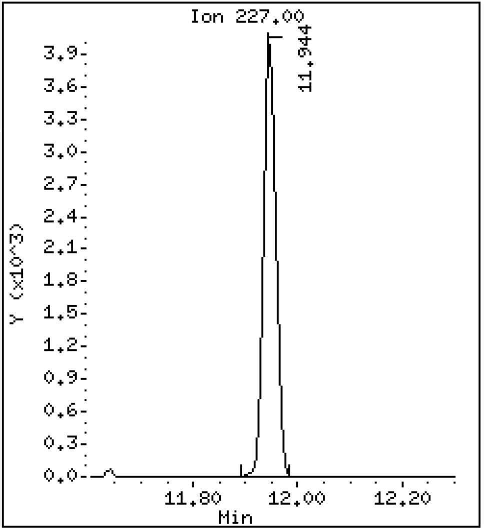

Scan 936 (11.952 min) of NT1423010620.D (Subtracted)


30 Hexachlorobutadiene (Reference Spectrum)


Scan 936 (11.952 min) of NT1423010620.D (% DIFFERENCE)


Ion 225.00


Ion 223.00


Ion 227.00

Data File: \\target\share\chem3\nt14.i\20230106.b\NT1423010620.D

Date : 06-JAN-2023 23:03

Client ID:

Instrument: nt14.i

Sample Info: SLA0068-LCV2

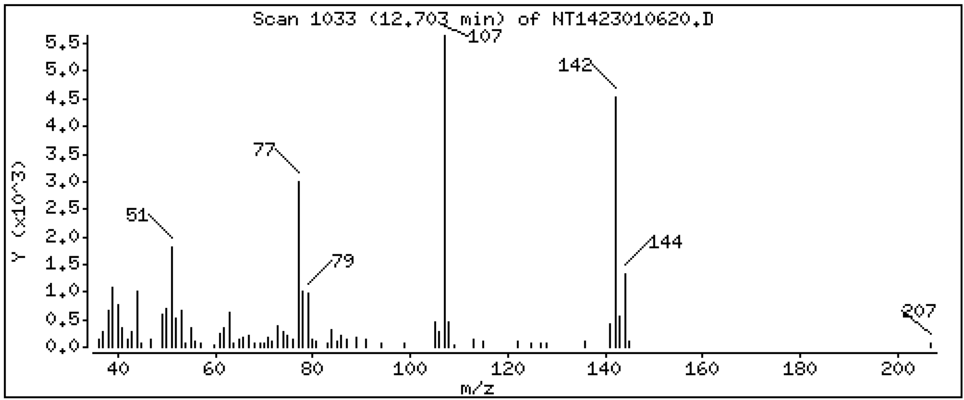
Operator: VTS

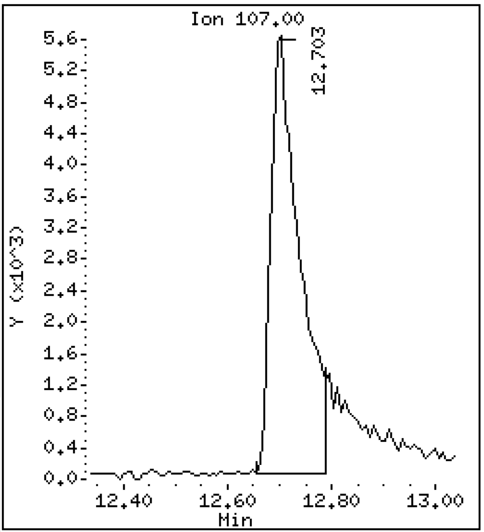
Column phase: ZB-5msi

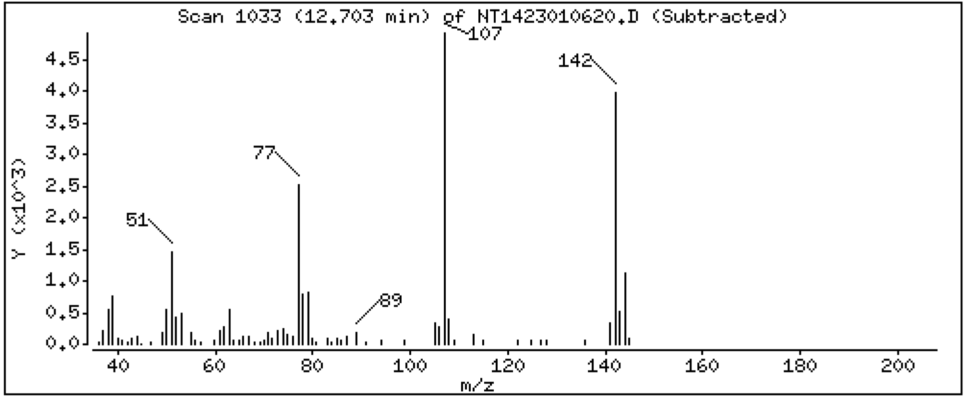
Column diameter: 0.25

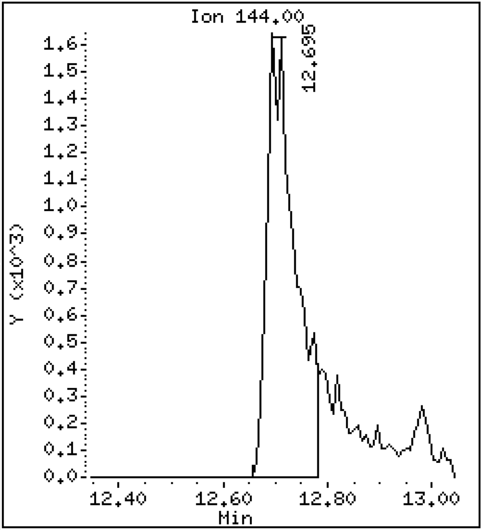
31 4-Chloro-3-methylphenol

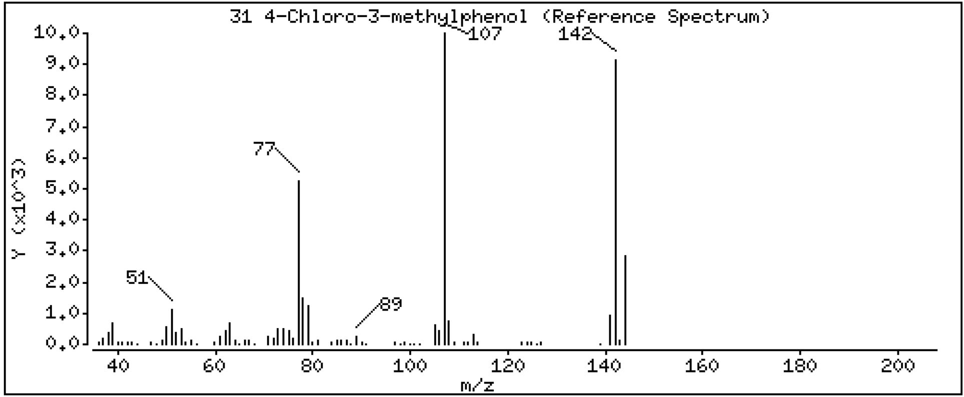
Concentration: 0.5836 ug/mL

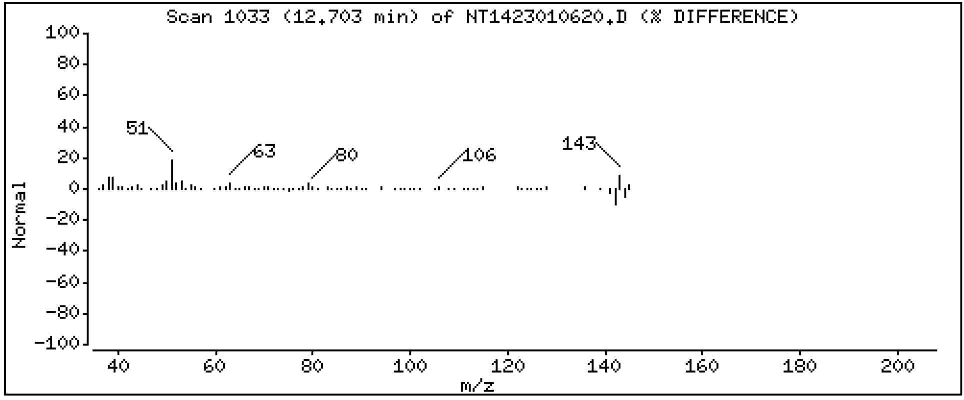

Scan 1033 (12.703 min) of NT1423010620.D

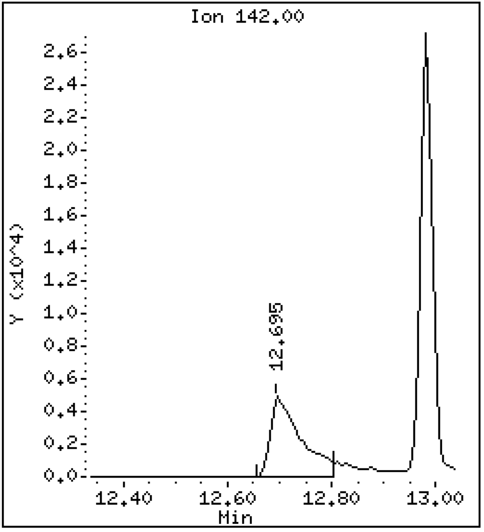

Ion 107.00


Scan 1033 (12.703 min) of NT1423010620.D (Subtracted)


Ion 144.00


31 4-Chloro-3-methylphenol (Reference Spectrum)


Scan 1033 (12.703 min) of NT1423010620.D (% DIFFERENCE)


Ion 142.00

Date : 06-JAN-2023 23:03

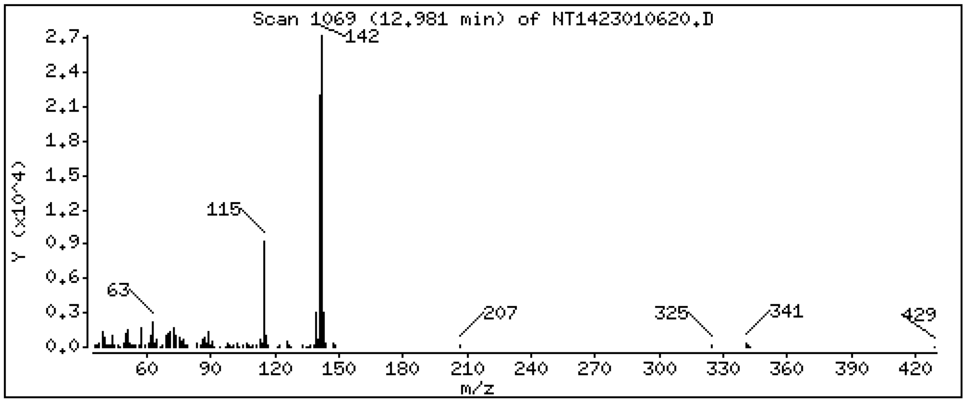
Client ID: Instrument: nt14.i

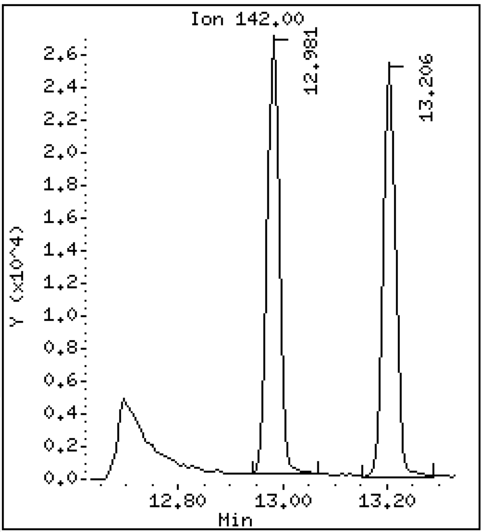
Sample Info: SLA0068-LCV2

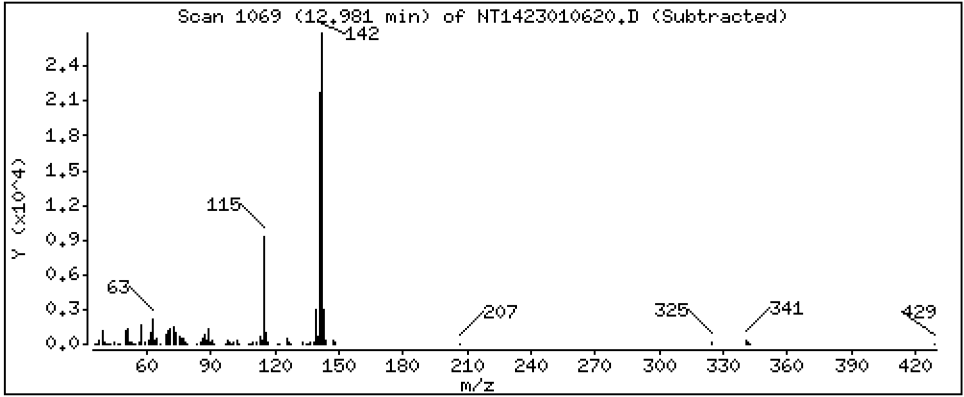
Operator: VTS

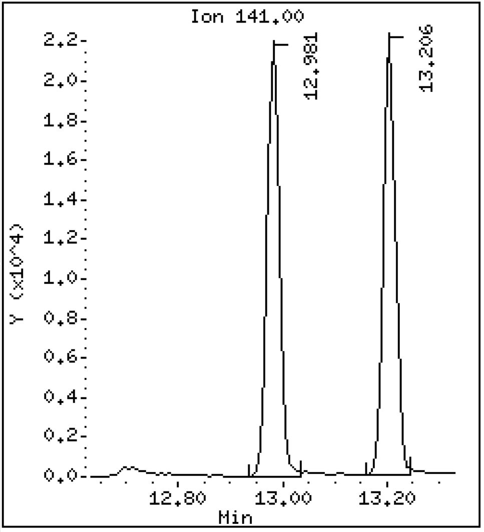
Column phase: ZB-5msi Column diameter: 0.25

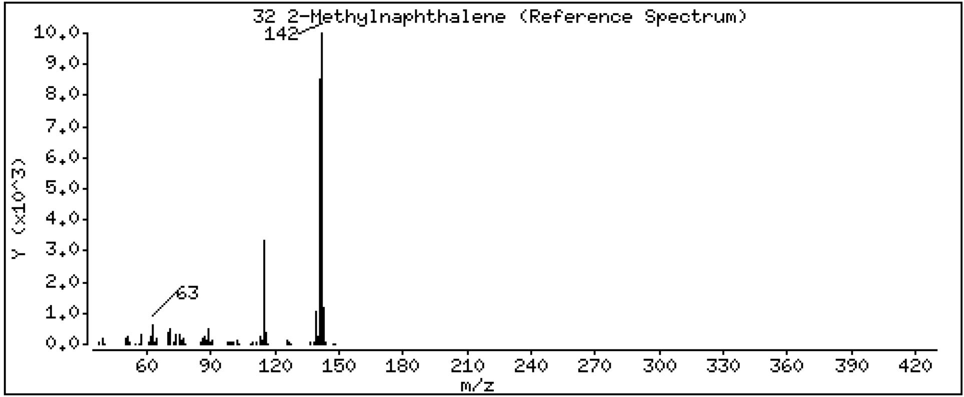
32 2-Methylnaphthalene Concentration: 0.4307 ug/mL

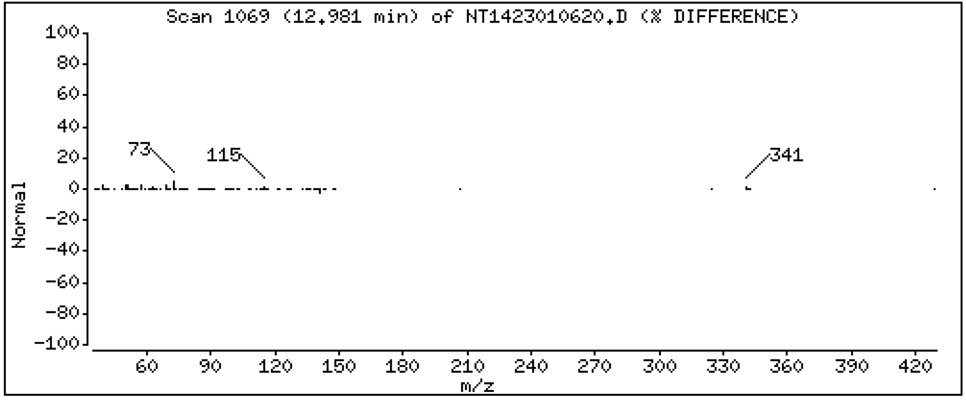












Data File: \\target\share\chem3\nt14.i\20230106.b\NT1423010620.D

Date : 06-JAN-2023 23:03

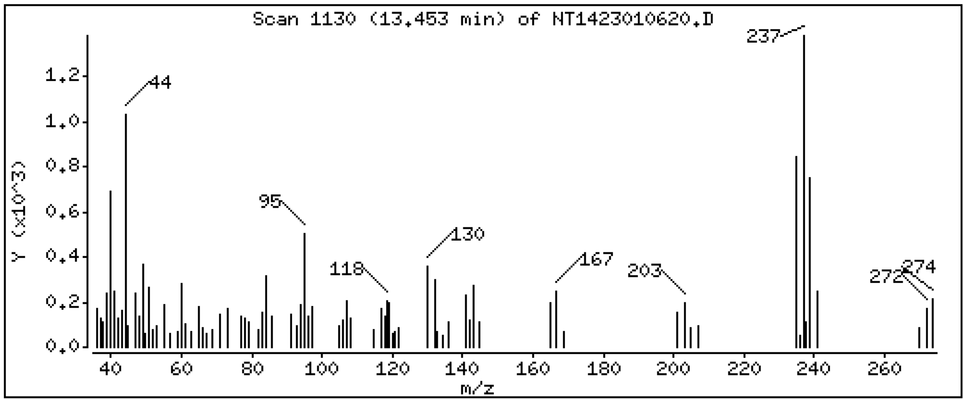
Client ID: Instrument: nt14.i

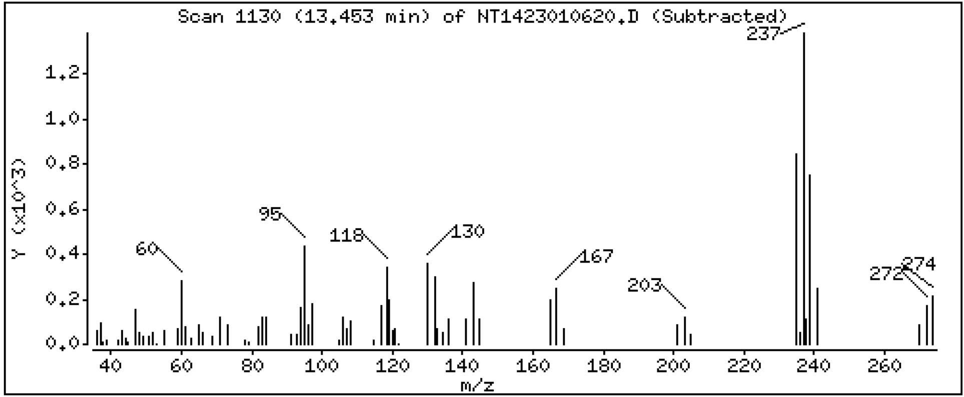
Sample Info: SLA0068-LCV2

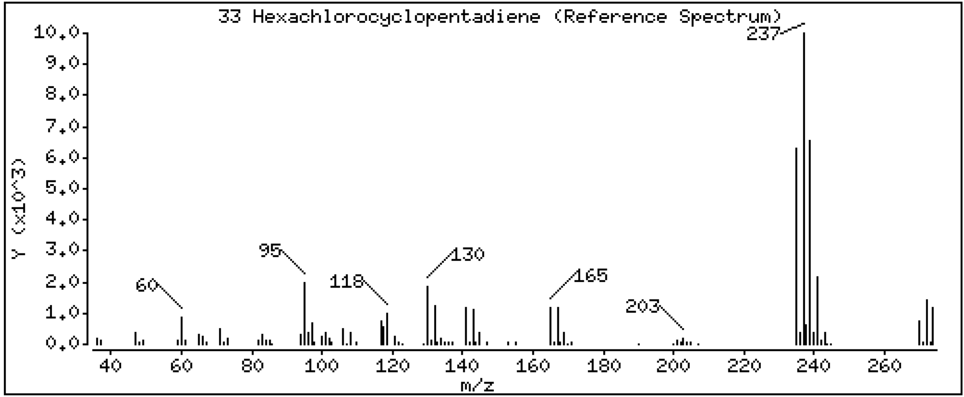
Operator: VTS

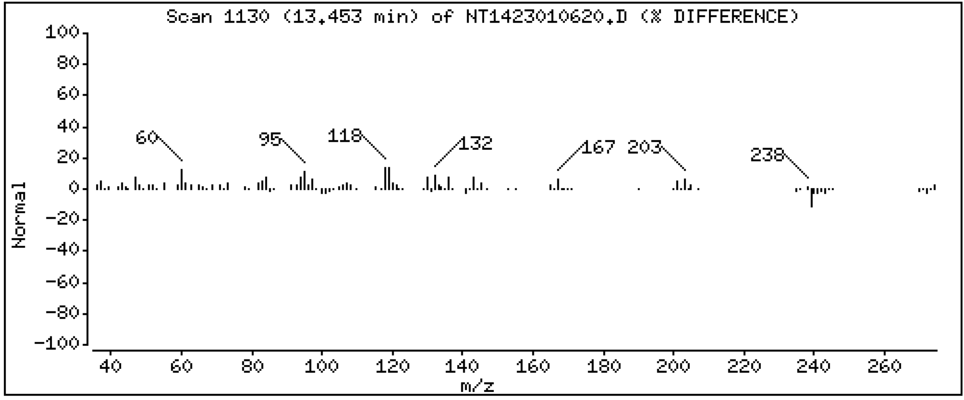
Column phase: ZB-5msi Column diameter: 0.25

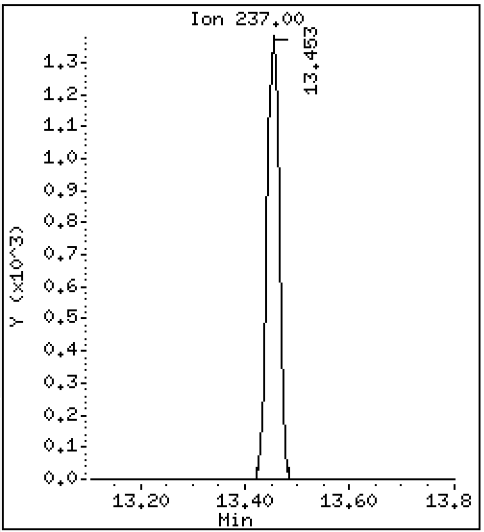
33 Hexachlorocyclopentadiene Concentration: 0.1043 ug/mL

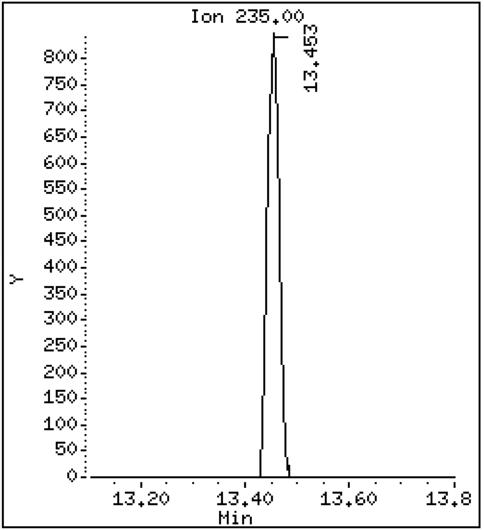


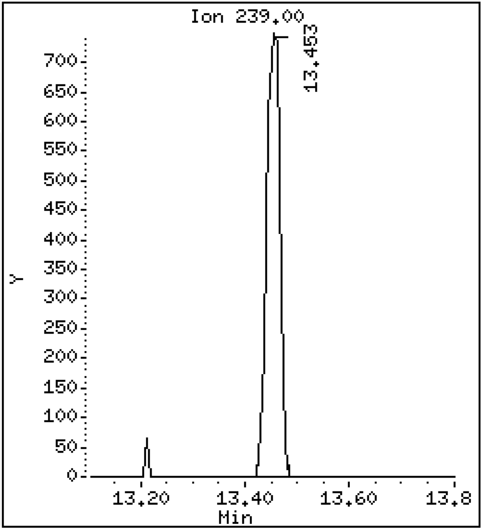












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Date : 06-JAN-2023 23:03

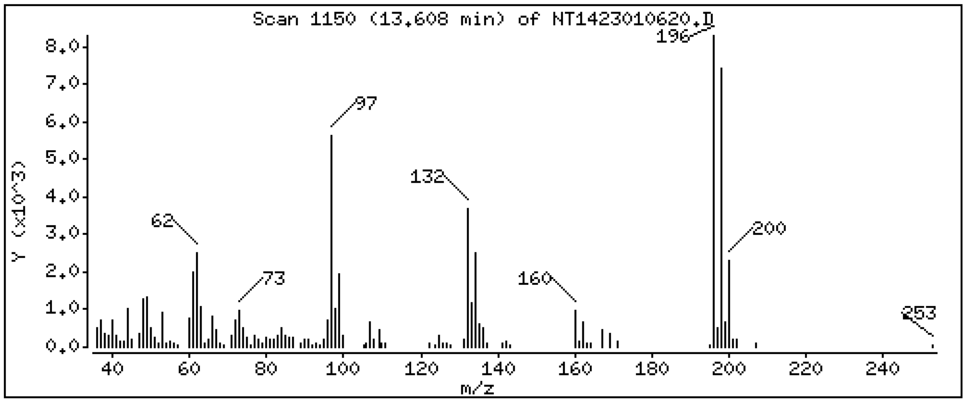
Client ID: Instrument: nt14.i

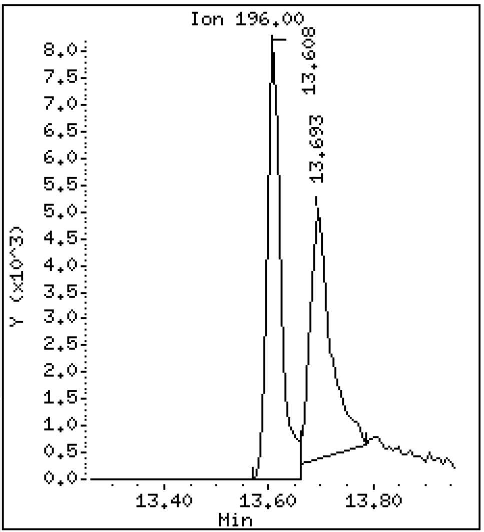
Sample Info: SLA0068-LCV2

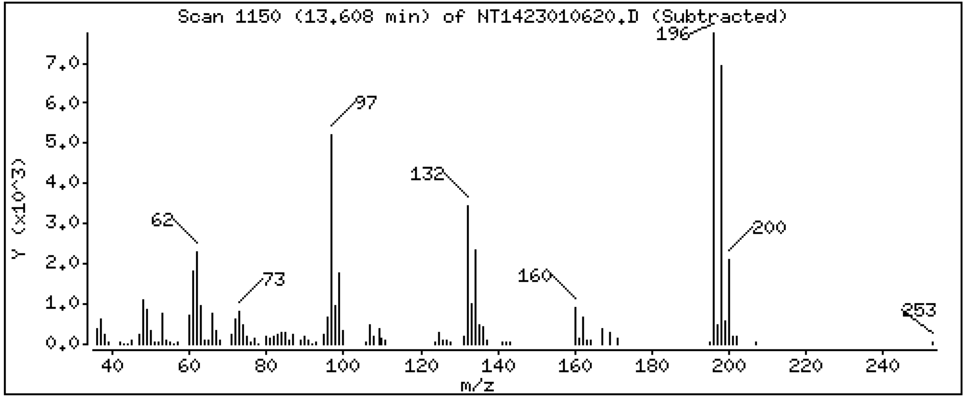
Operator: VTS

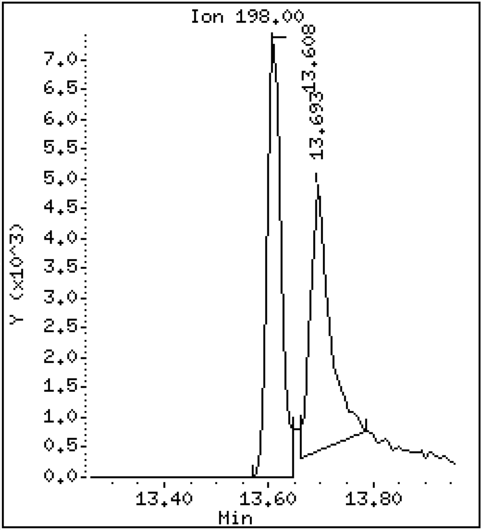
Column phase: ZB-5msi Column diameter: 0.25

34 2,4,6-Trichlorophenol Concentration: 0.6356 ug/mL


Scan 1150 (13.608 min) of NT1423010620.D


Ion 196.00


Scan 1150 (13.608 min) of NT1423010620.D (Subtracted)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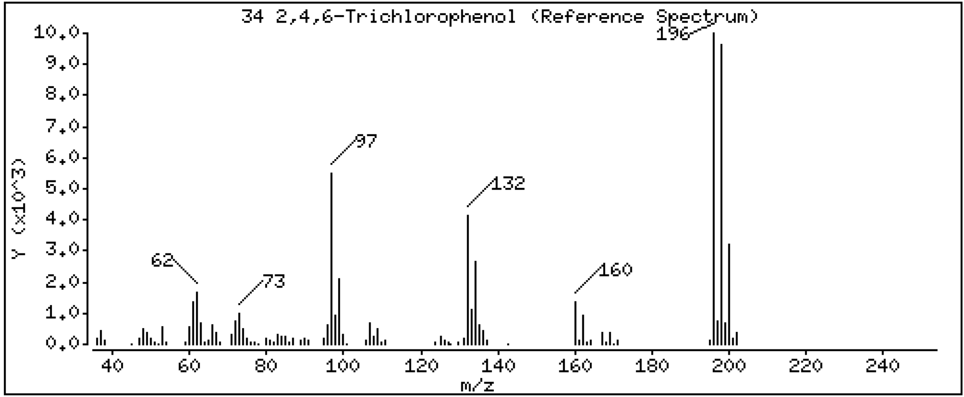
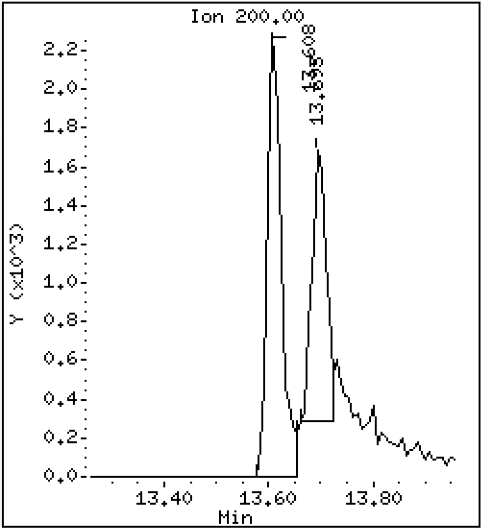

34 2,4,6-Trichlorophenol (Reference Spectrum)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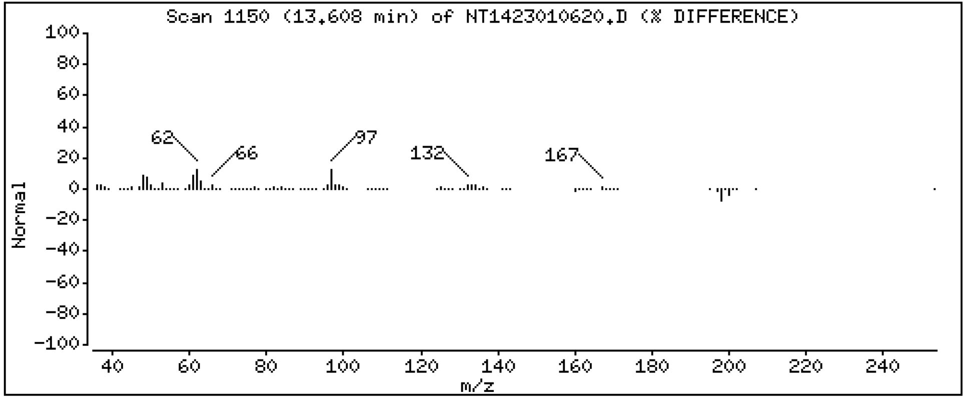

Scan 1150 (13.608 min) of NT1423010620.D (% DIFFERENCE)

Data File: \\target\share\chem3\nt14.i\20230106.b\NT1423010620.D

Date : 06-JAN-2023 23:03

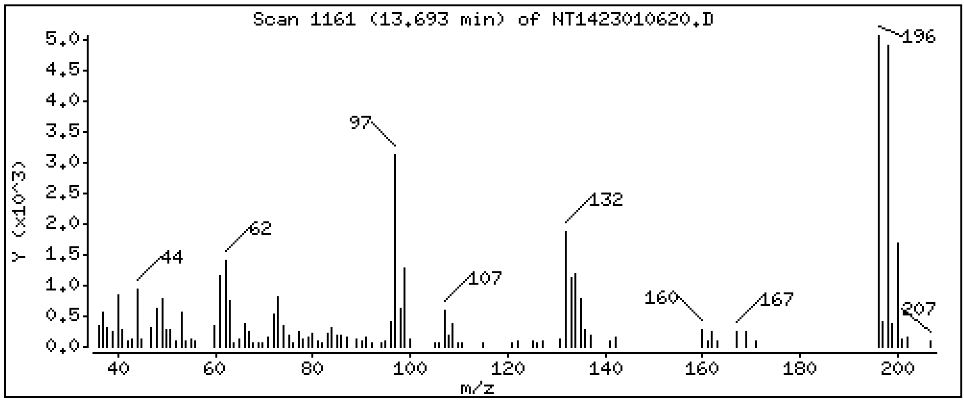
Client ID: Instrument: nt14.i

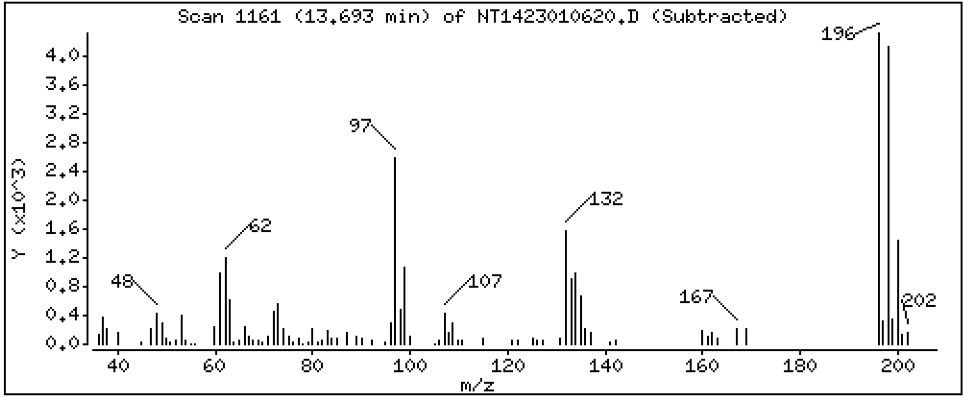
Sample Info: SLA0068-LCV2

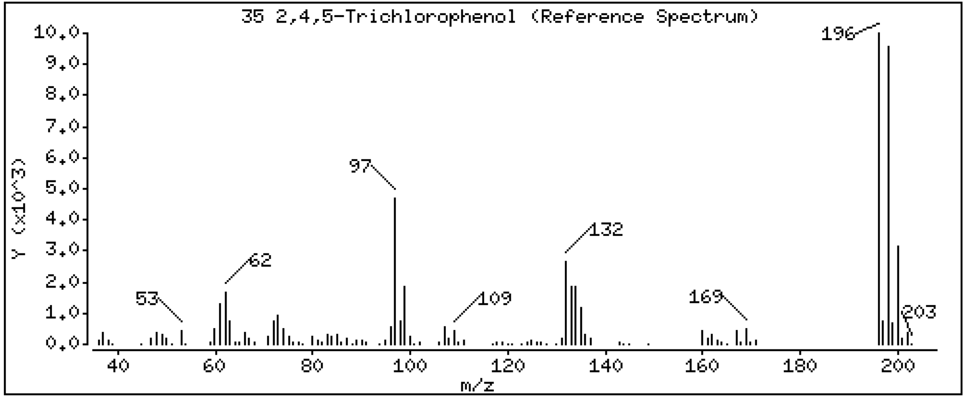
Operator: VTS

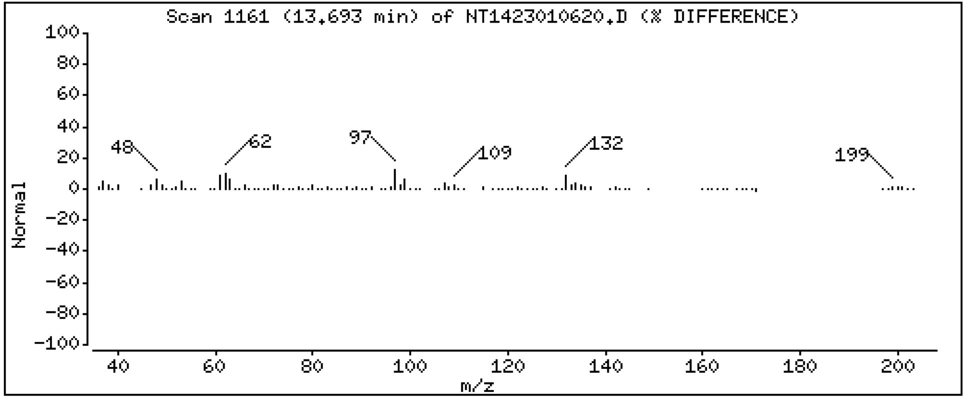
Column phase: ZB-5msi Column diameter: 0.25

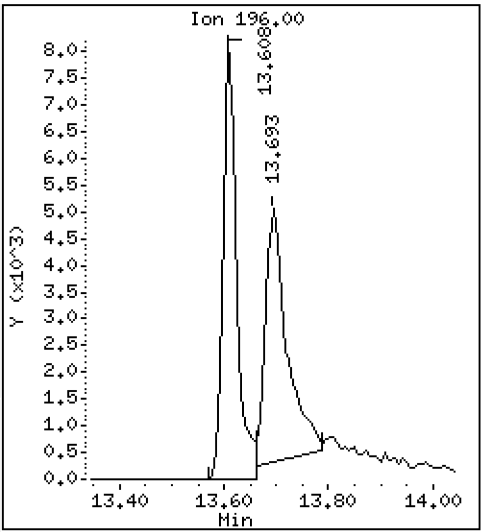
35 2,4,5-Trichlorophenol Concentration: 0.5236 ug/mL


Scan 1161 (13.693 min) of NT1423010620.D


Scan 1161 (13.693 min) of NT1423010620.D (Subtracted)


35 2,4,5-Trichlorophenol (Reference Spectrum)


Scan 1161 (13.693 min) of NT1423010620.D (% DIFFERENCE)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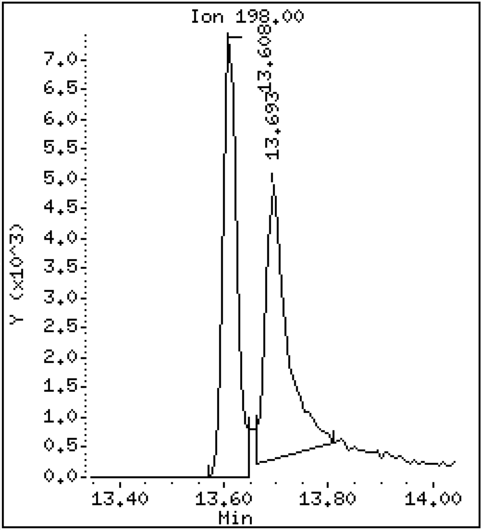
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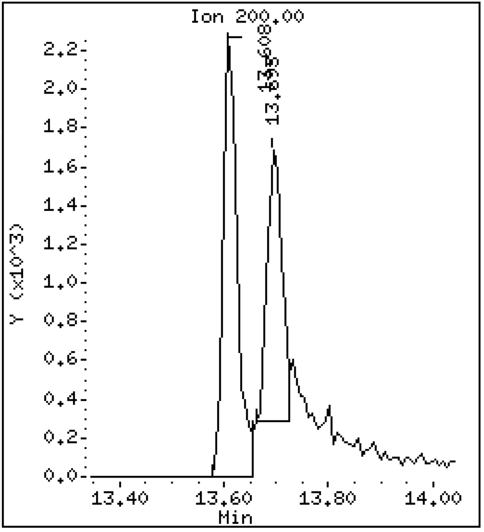
Ion 200.00

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Date : 06-JAN-2023 23:03

Client ID:

Instrument: nt14.i

Sample Info: SLA0068-LCV2

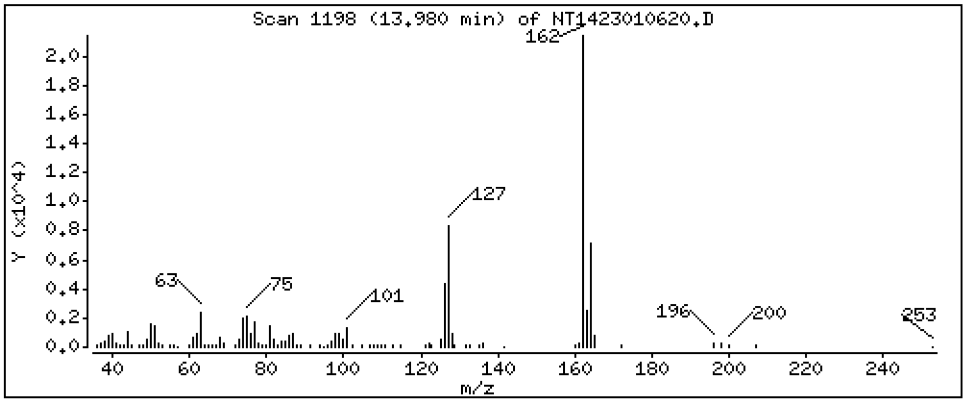
Operator: VTS

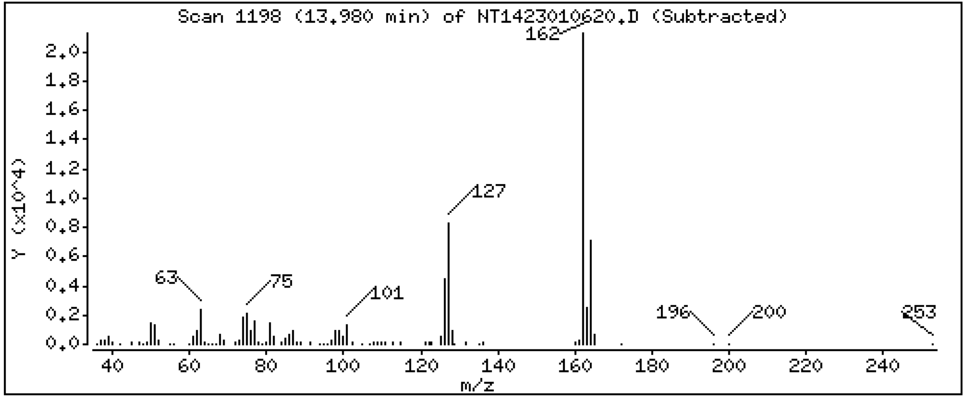
Column phase: ZB-5msi

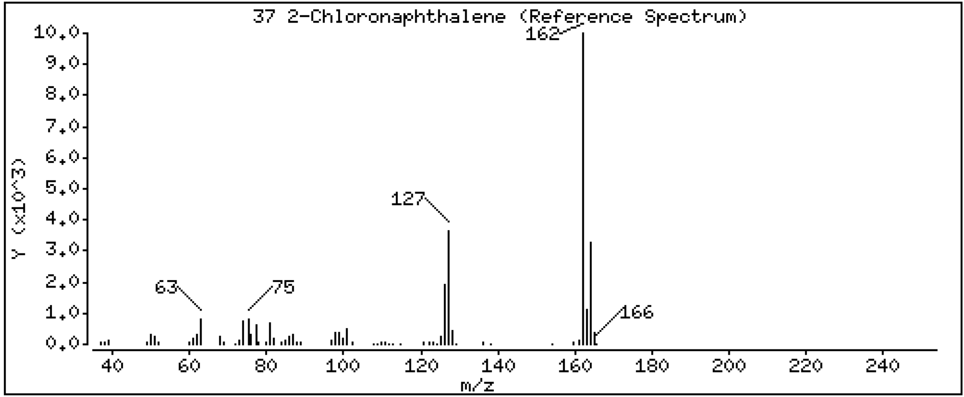
Column diameter: 0.25

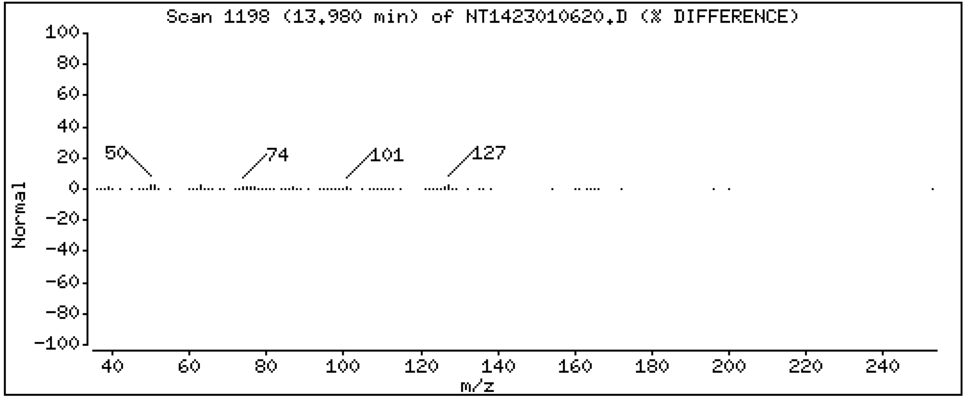
37 2-Chloronaphthalene

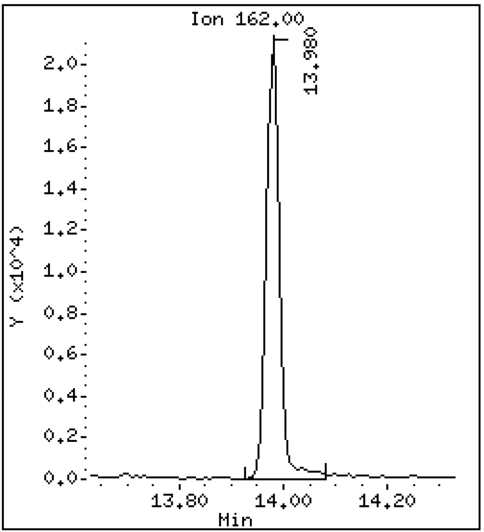
Concentration: 0.4689 ug/mL

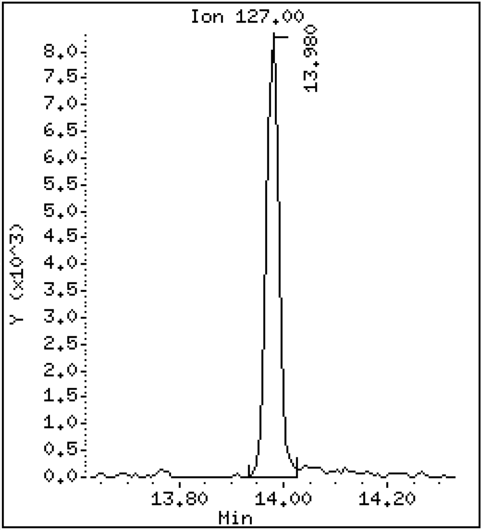


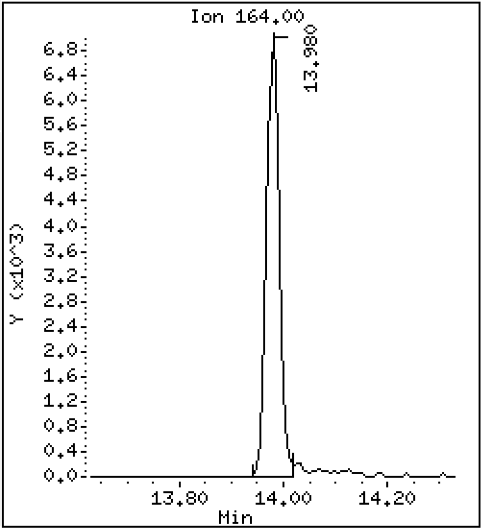












Data File: \\target\share\chem3\nt14.i\20230106.b\NT1423010620.D

Date : 06-JAN-2023 23:03

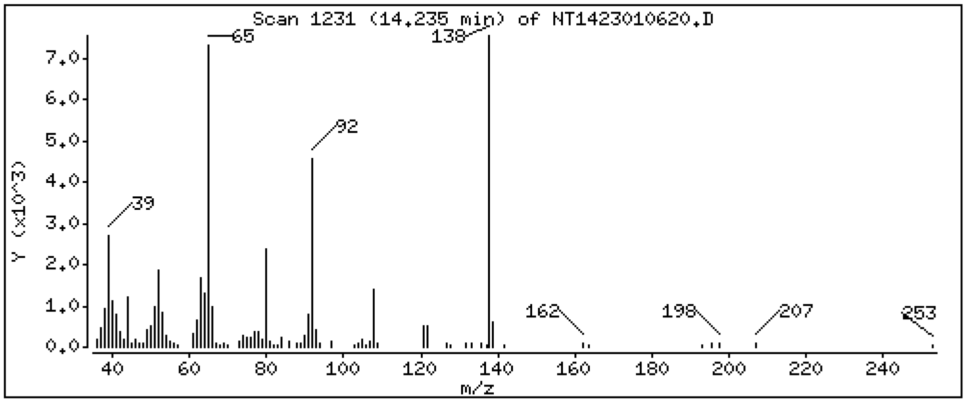
Client ID: Instrument: nt14.i

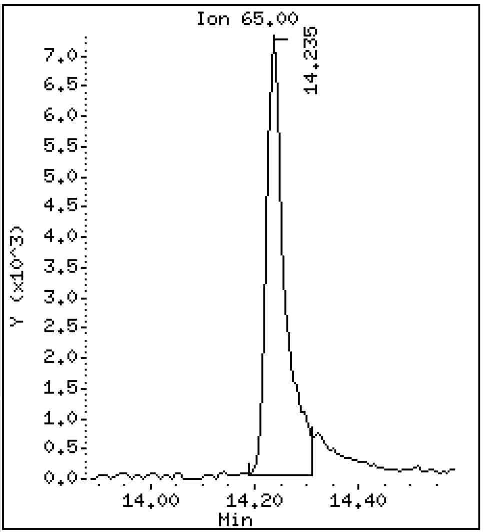
Sample Info: SLA0068-LCV2

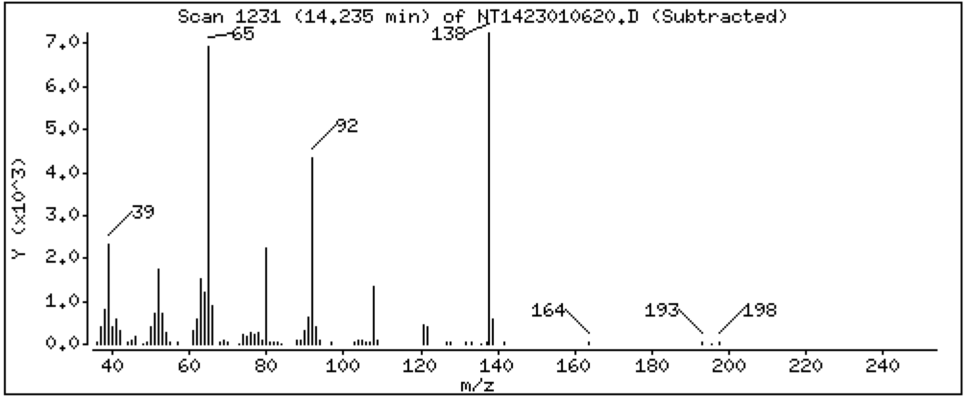
Operator: VTS

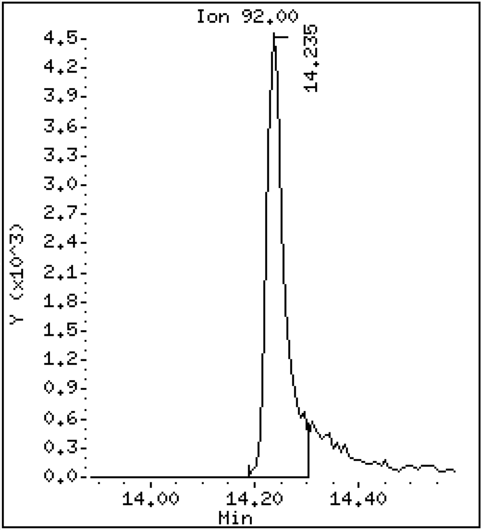
Column phase: ZB-5msi Column diameter: 0.25

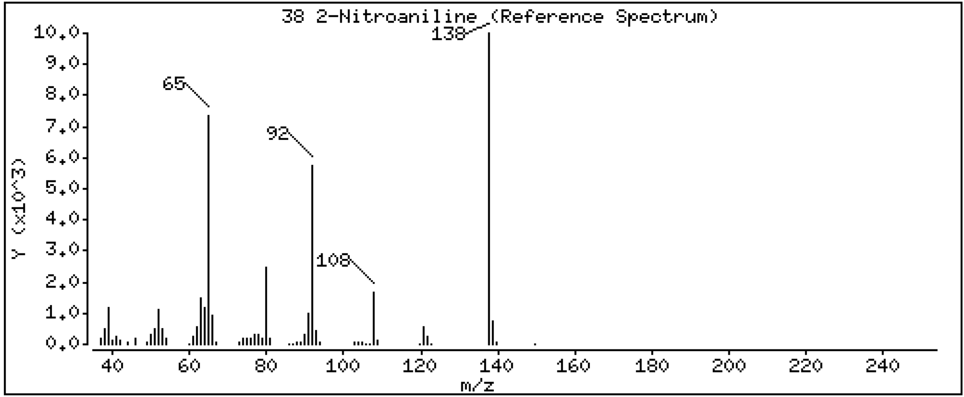
38 2-Nitroaniline Concentration: 0.8760 ug/mL

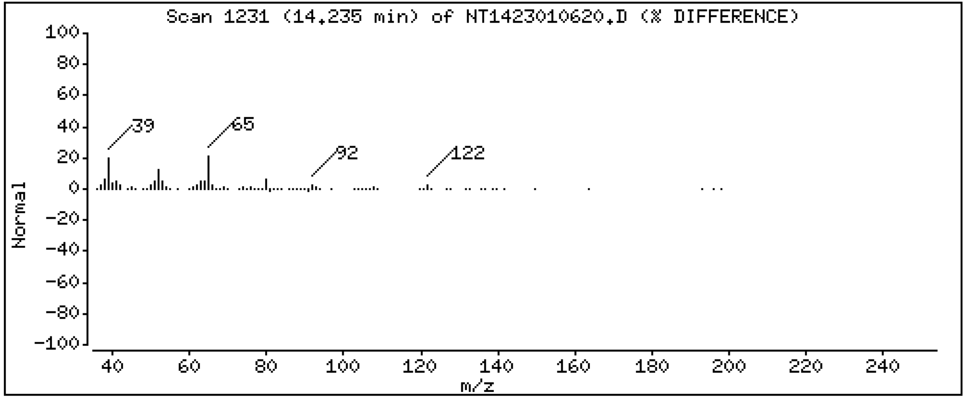


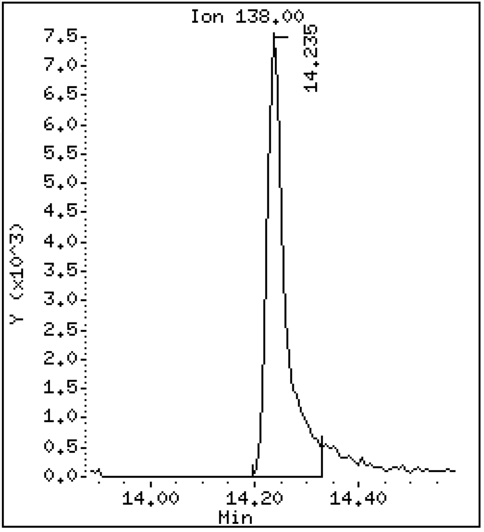












Date : 06-JAN-2023 23:03

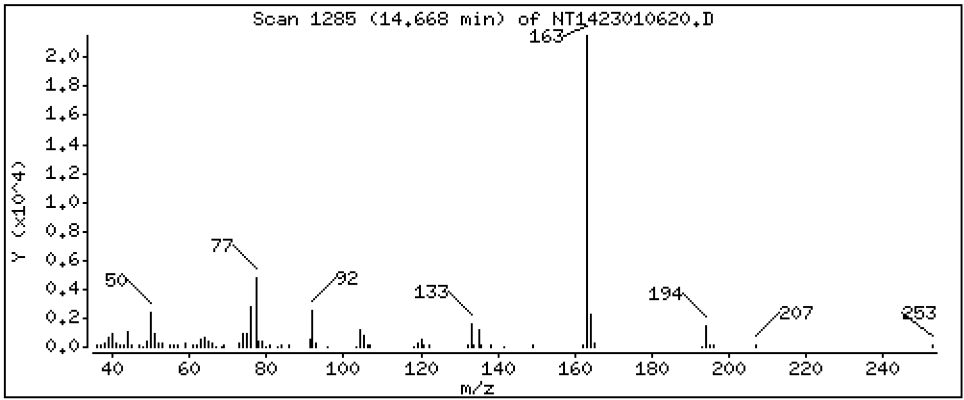
Client ID: Instrument: nt14.i

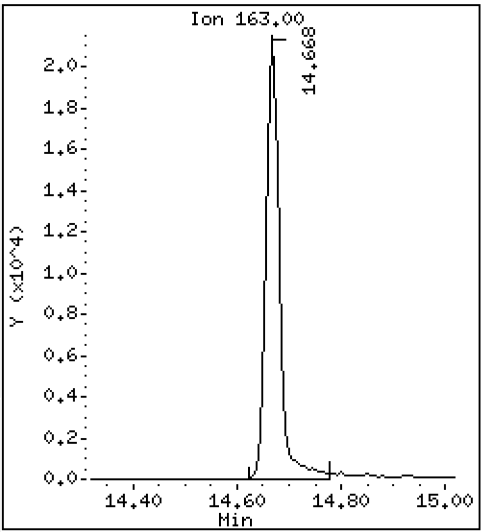
Sample Info: SLA0068-LCV2

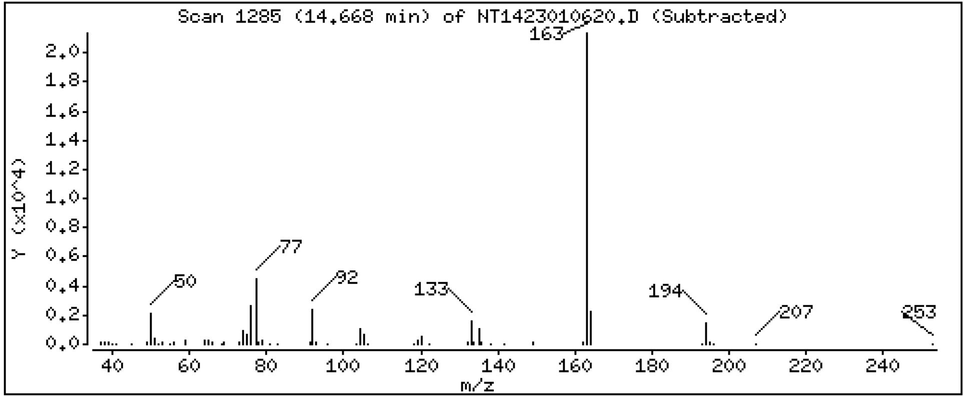
Operator: VTS

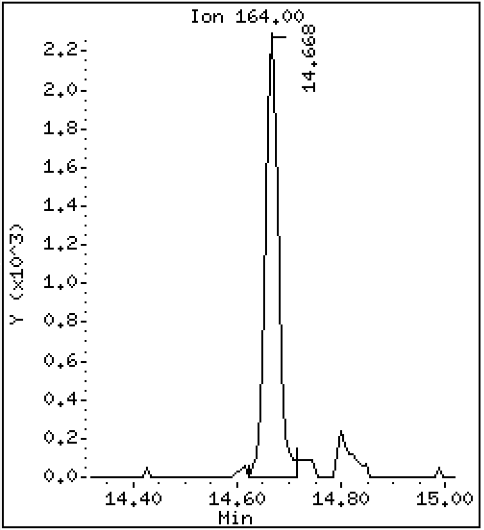
Column phase: ZB-5msi Column diameter: 0.25

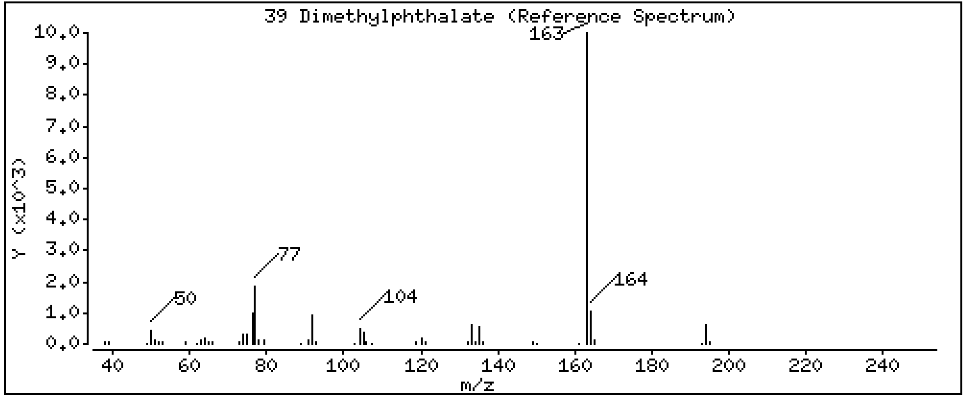
39 Dimethylphthalate Concentration: 0.4849 ug/mL

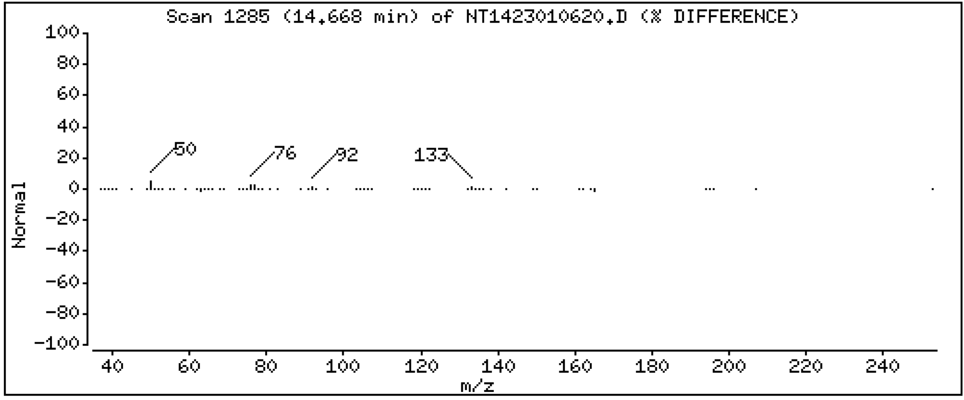


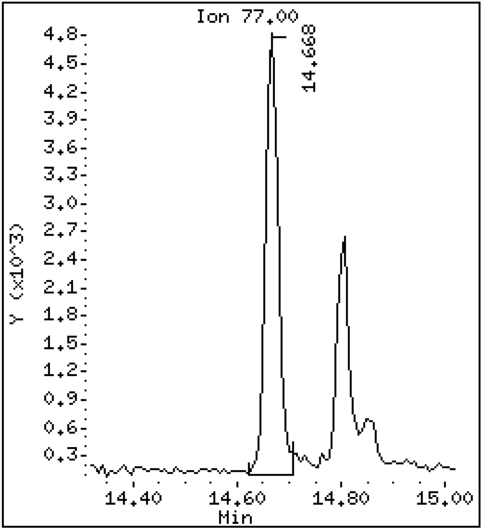












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Date : 06-JAN-2023 23:03

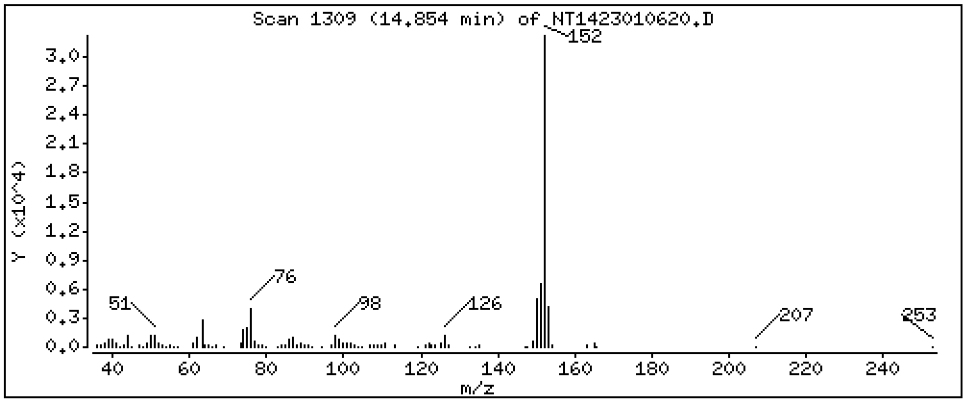
Client ID: Instrument: nt14.i

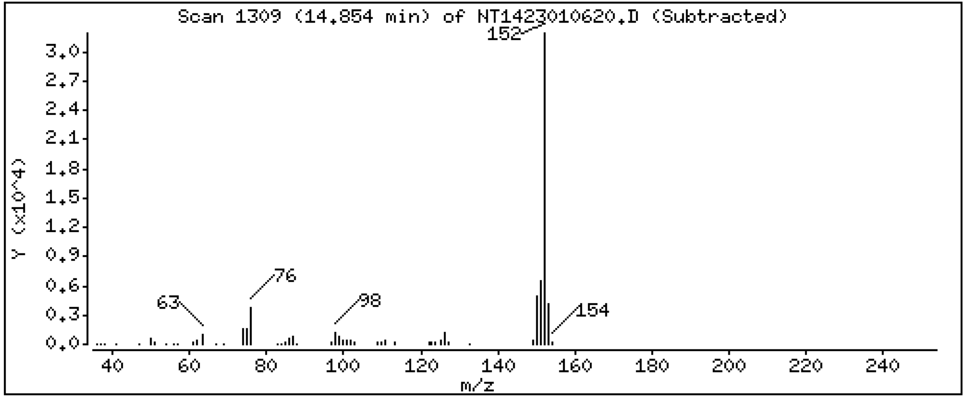
Sample Info: SLA0068-LCV2

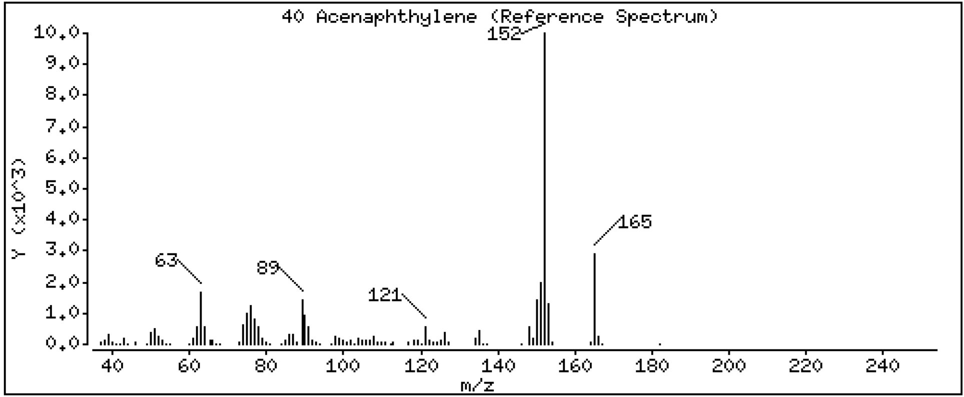
Operator: VTS

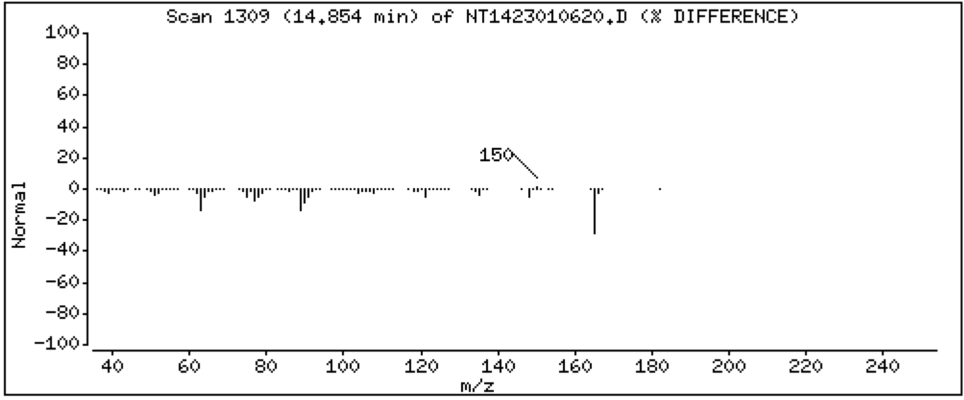
Column phase: ZB-5msi Column diameter: 0.25

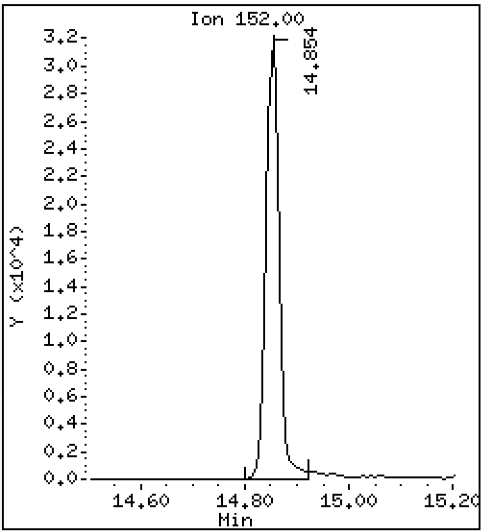
40 Acenaphthylene Concentration: 0.4583 ug/mL

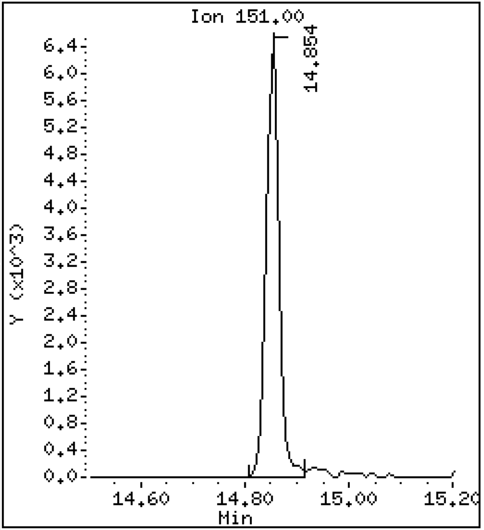

Scan 1309 (14.854 min) of NT1423010620.D

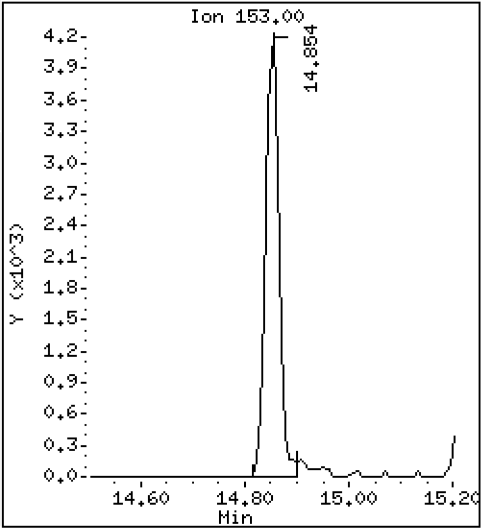

Scan 1309 (14.854 min) of NT1423010620.D (Subtracted)


40 Acenaphthylene (Reference Spectrum)


Scan 1309 (14.854 min) of NT1423010620.D (% DIFFERENCE)


Ion 152.00


Ion 151.00


Ion 153.00

Date : 06-JAN-2023 23:03

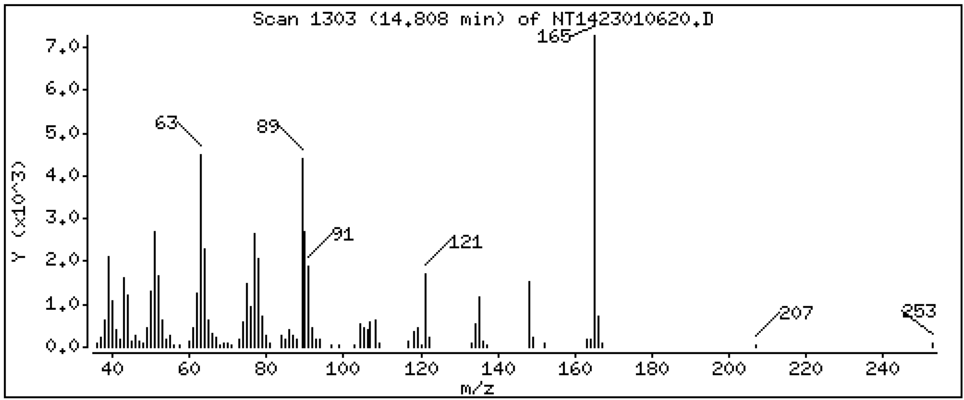
Client ID: Instrument: nt14.i

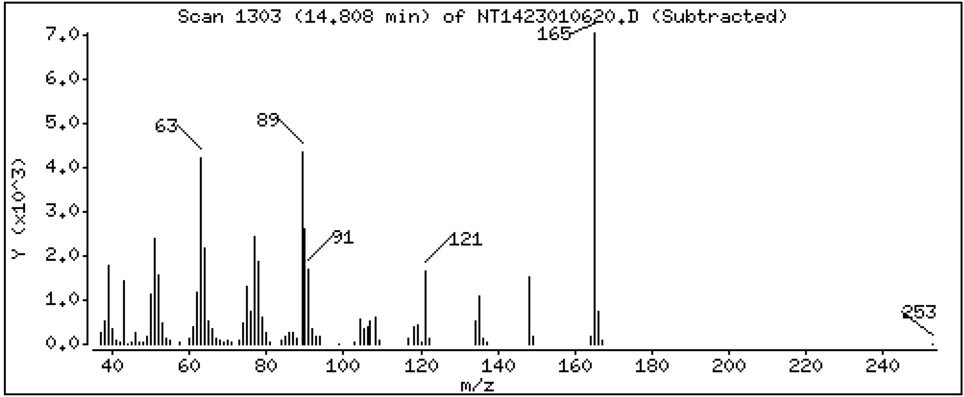
Sample Info: SLA0068-LCV2

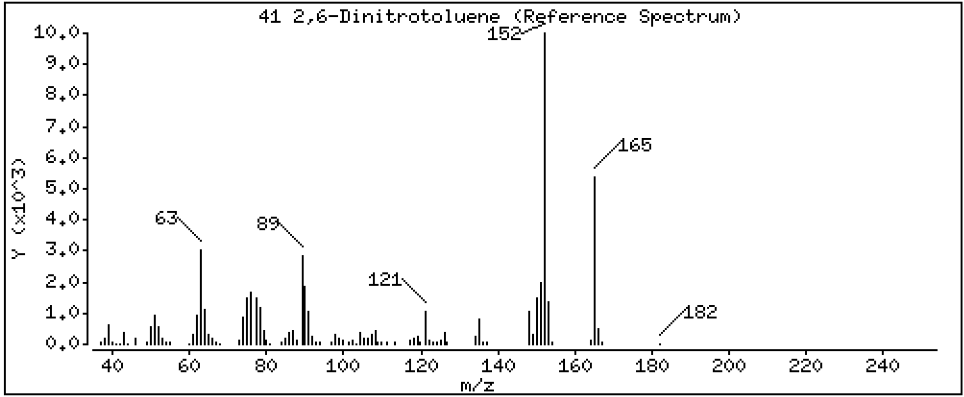
Operator: VTS

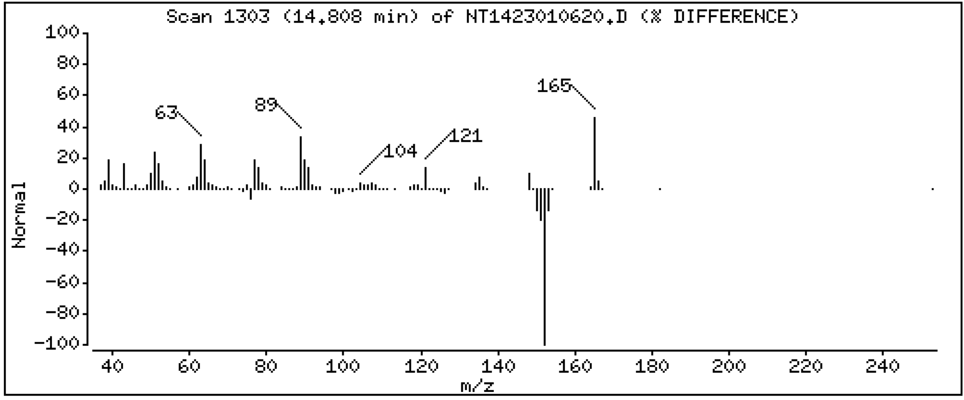
Column phase: ZB-5msi Column diameter: 0.25

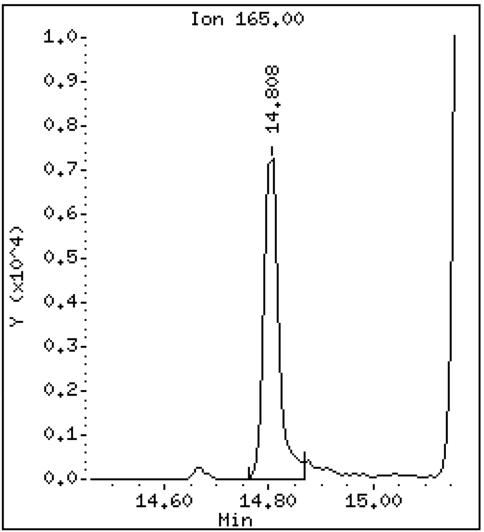
41 2,6-Dinitrotoluene Concentration: 0.8294 ug/mL

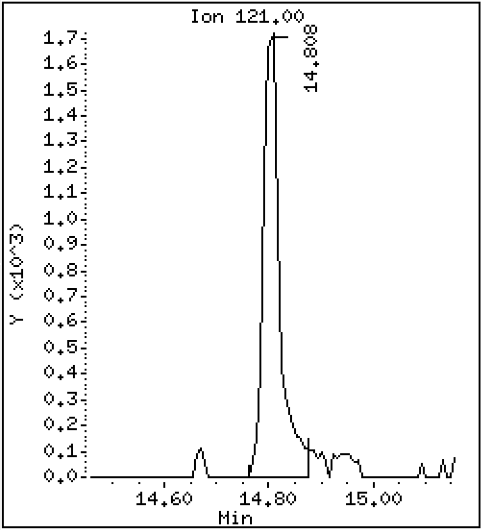

Scan 1303 (14.808 min) of NT1423010620.D

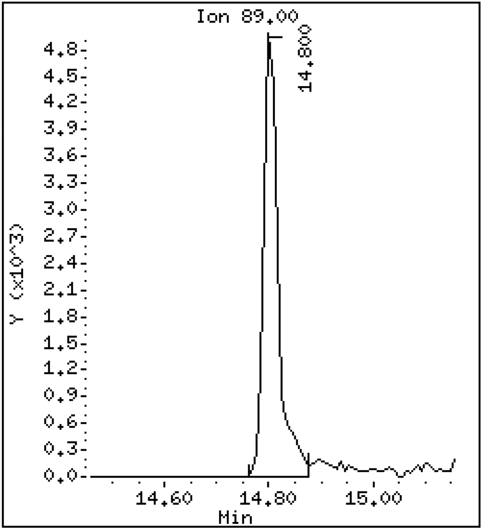

Scan 1303 (14.808 min) of NT1423010620.D (Subtracted)


41 2,6-Dinitrotoluene (Reference Spectrum)


Scan 1303 (14.808 min) of NT1423010620.D (% DIFFERENCE)


Ion 165.00


Ion 121.00


Ion 89.00

Data File: \\target\share\chem3\nt14.i\20230106.b\NT1423010620.D

Date : 06-JAN-2023 23:03

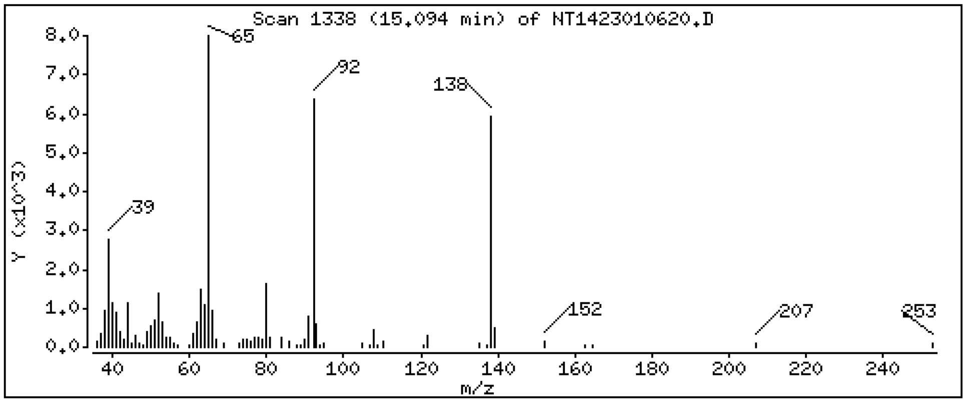
Client ID: Instrument: nt14.i

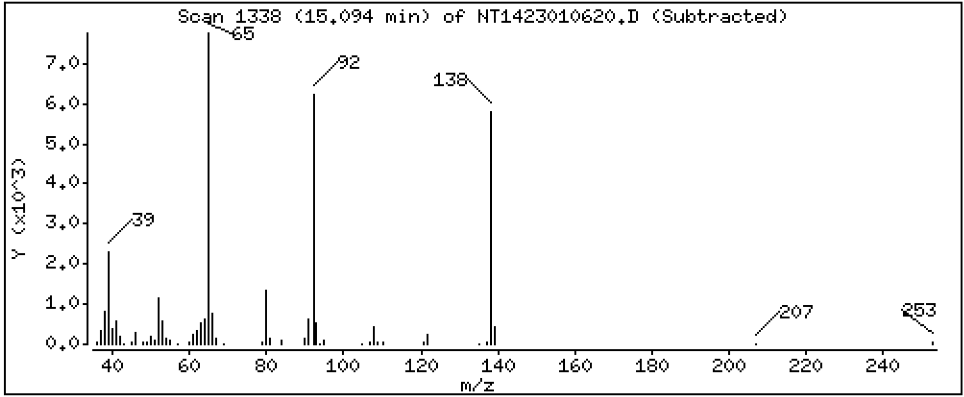
Sample Info: SLA0068-LCV2

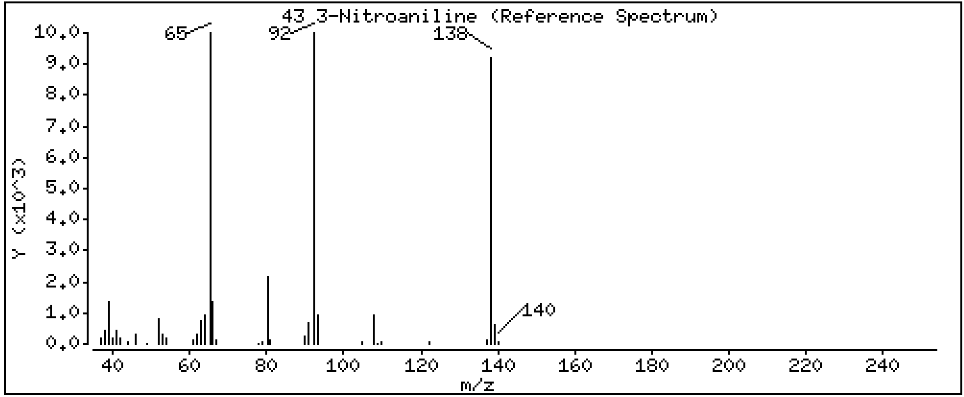
Operator: VTS

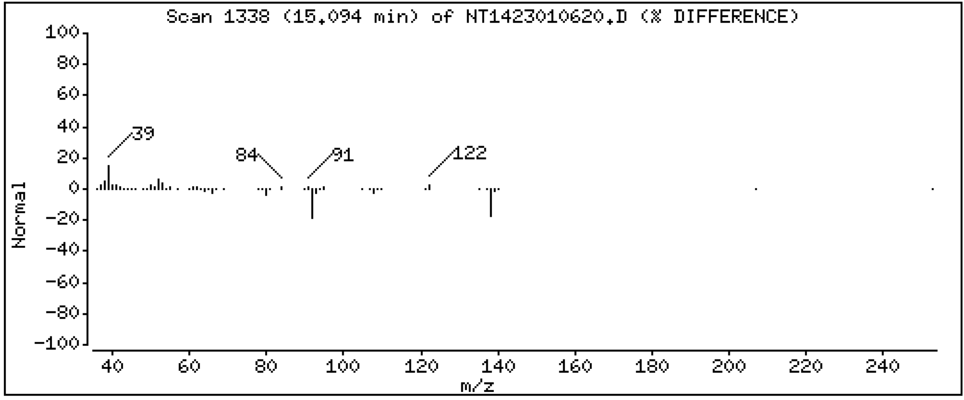
Column phase: ZB-5msi Column diameter: 0.25

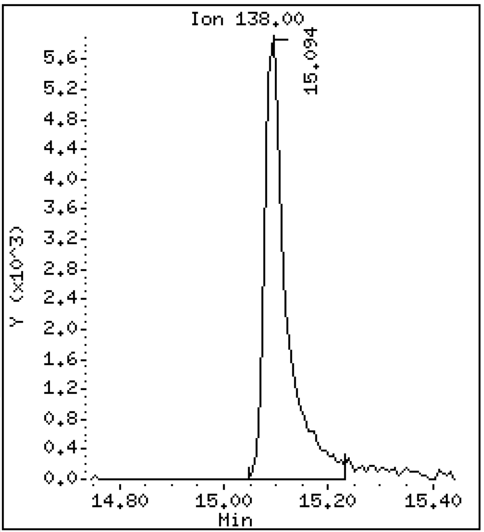
43 3-Nitroaniline Concentration: 0.8182 ug/mL

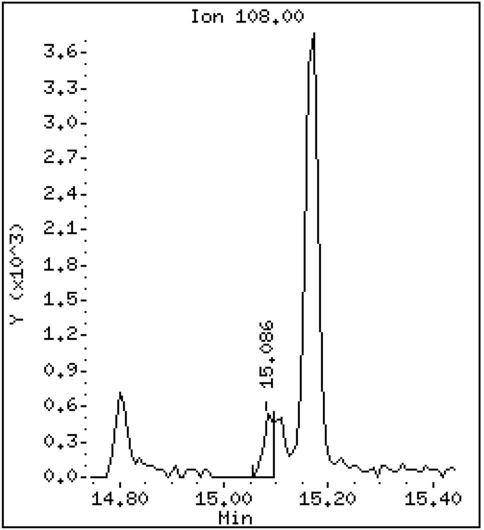


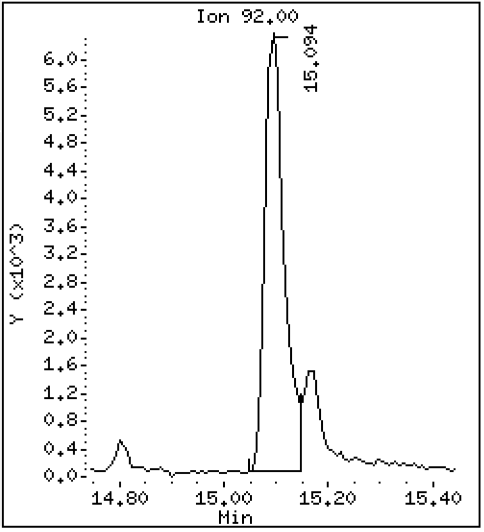












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Date : 06-JAN-2023 23:03

Client ID:

Instrument: nt14.i

Sample Info: SLA0068-LCV2

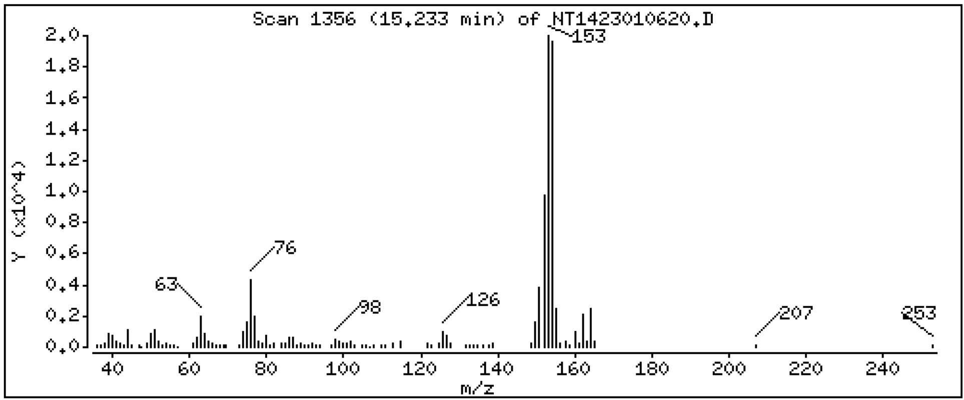
Operator: VTS

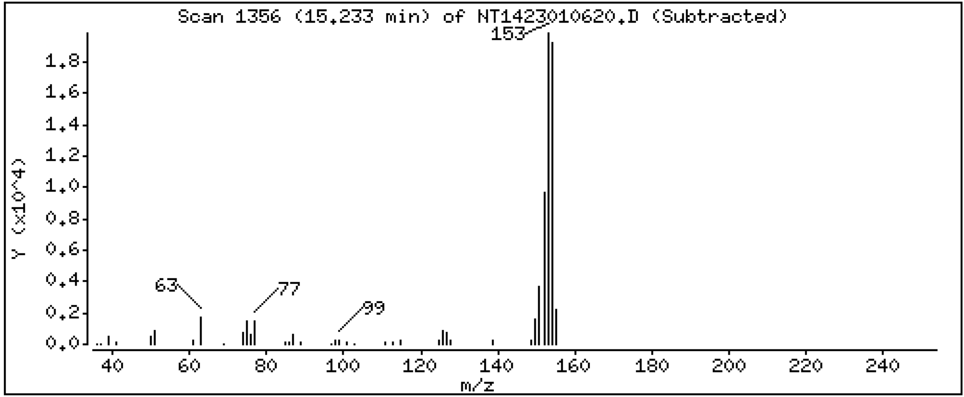
Column phase: ZB-5msi

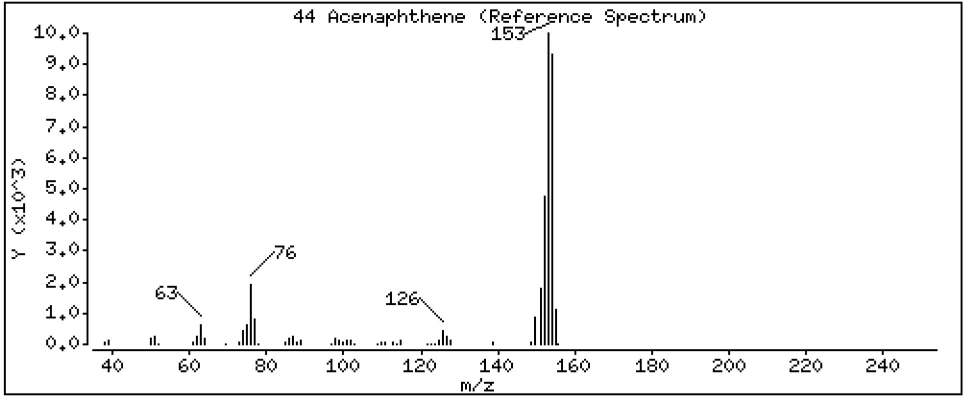
Column diameter: 0.25

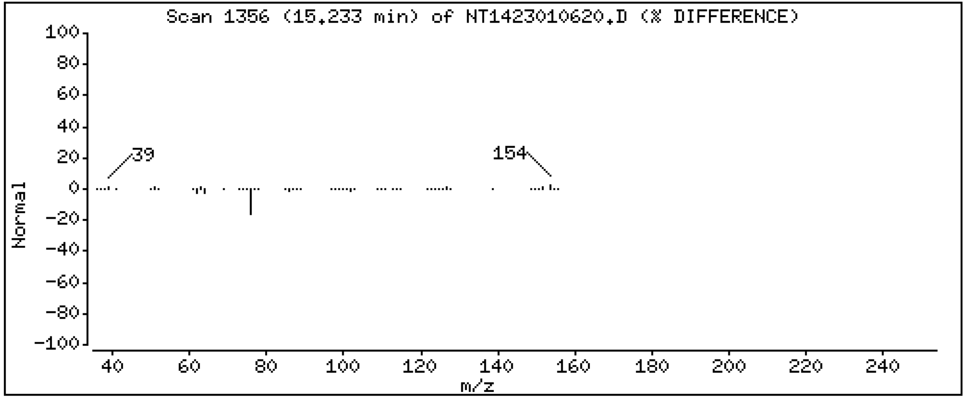
44 Acenaphthene

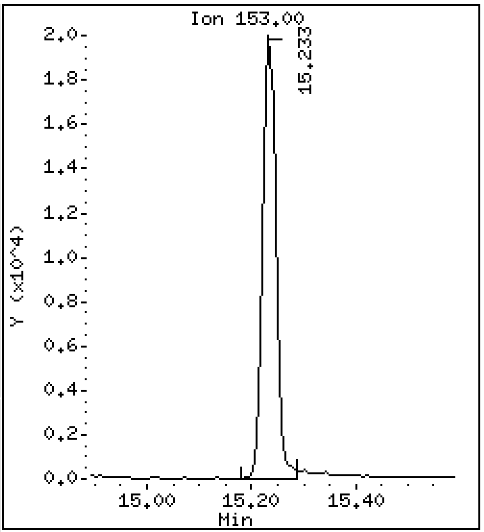
Concentration: 0.4660 ug/mL

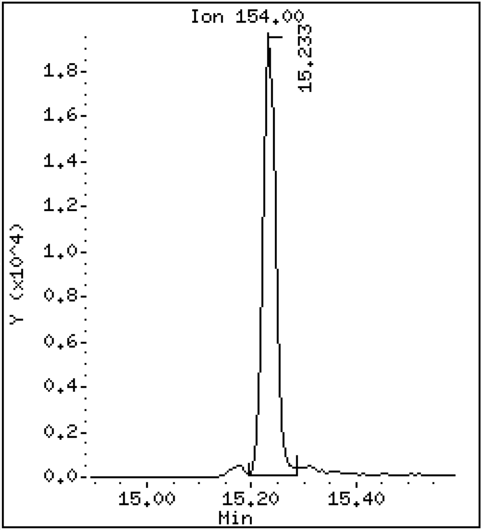


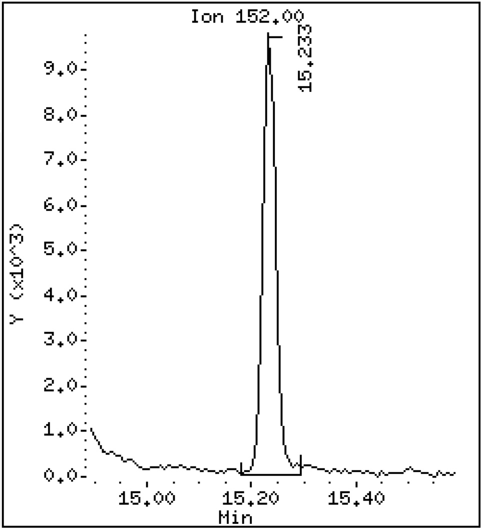












Data File: \\target\share\chem3\nt14.i\20230106.b\NT1423010620.D

Date : 06-JAN-2023 23:03

Client ID:

Instrument: nt14.i

Sample Info: SLA0068-LCV2

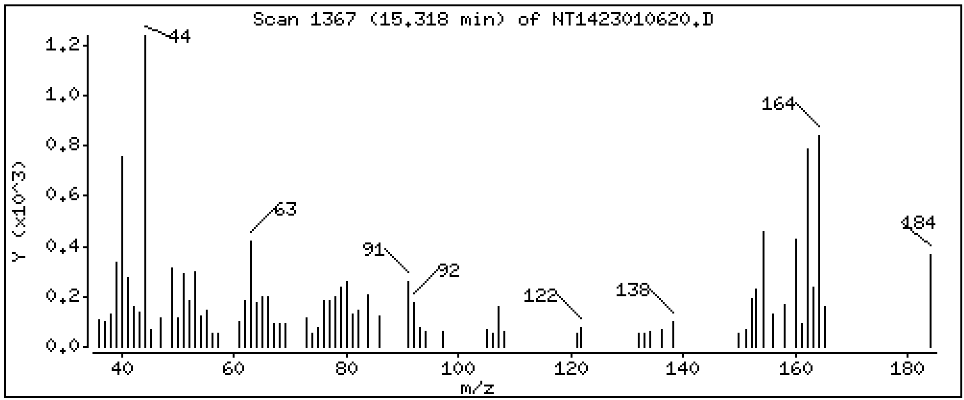
Operator: VTS

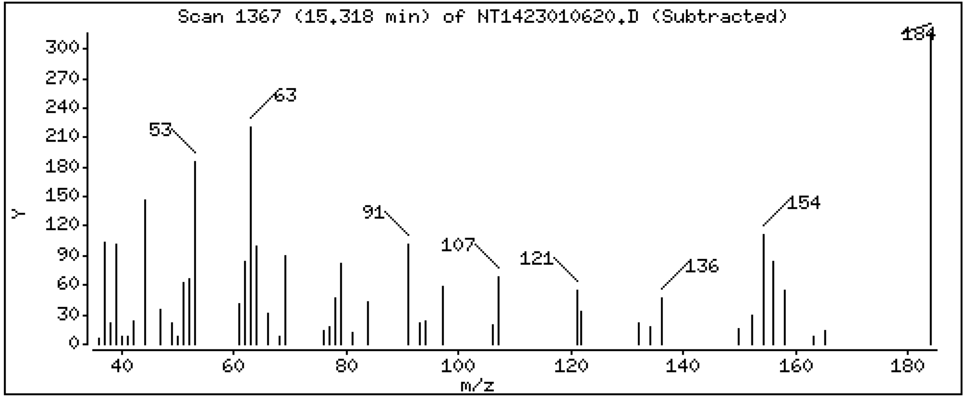
Column phase: ZB-5msi

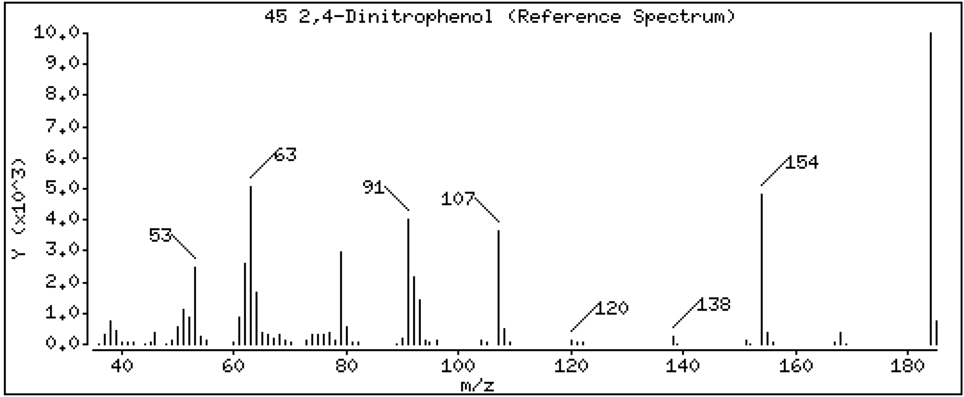
Column diameter: 0.25

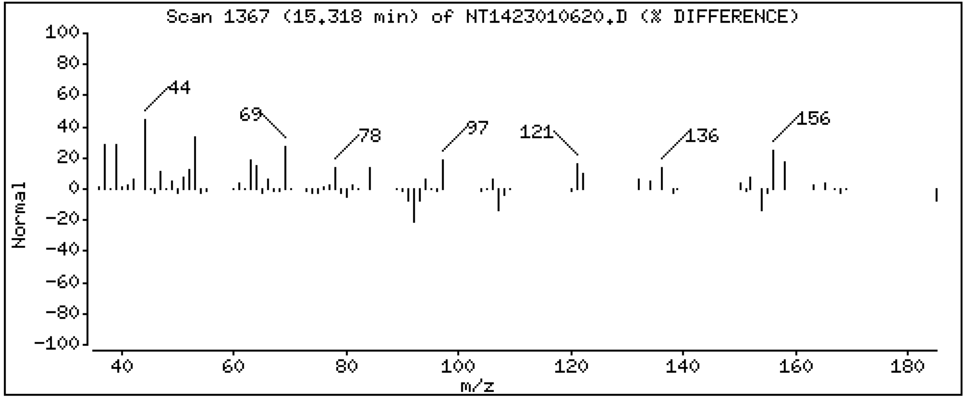
45 2,4-Dinitrophenol

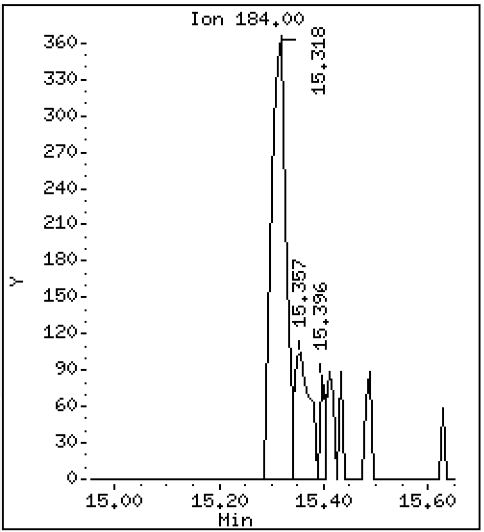
Concentration: 0.04962 ug/mL

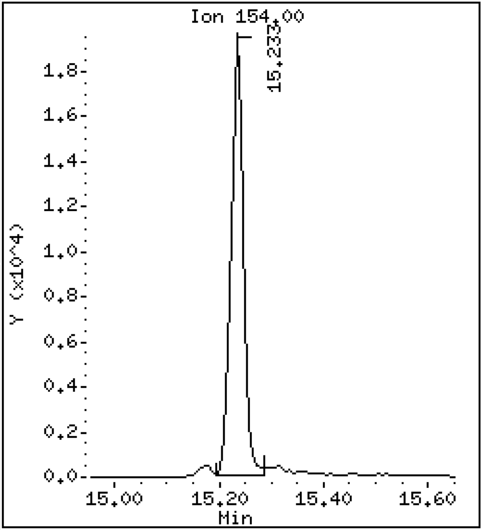

Scan 1367 (15.318 min) of NT1423010620.D

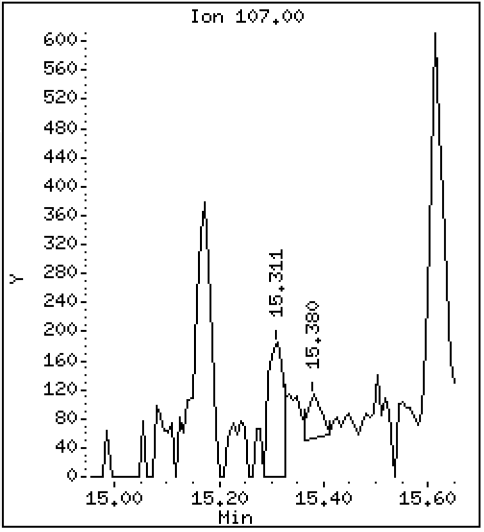

Scan 1367 (15.318 min) of NT1423010620.D (Subtracted)


45 2,4-Dinitrophenol (Reference Spectrum)


Scan 1367 (15.318 min) of NT1423010620.D (% DIFFERENCE)


Ion 184.00


Ion 154.00


Ion 107.00

Data File: \\target\share\chem3\nt14.i\20230106.b\NT1423010620.D Page 38

Date : 06-JAN-2023 23:03

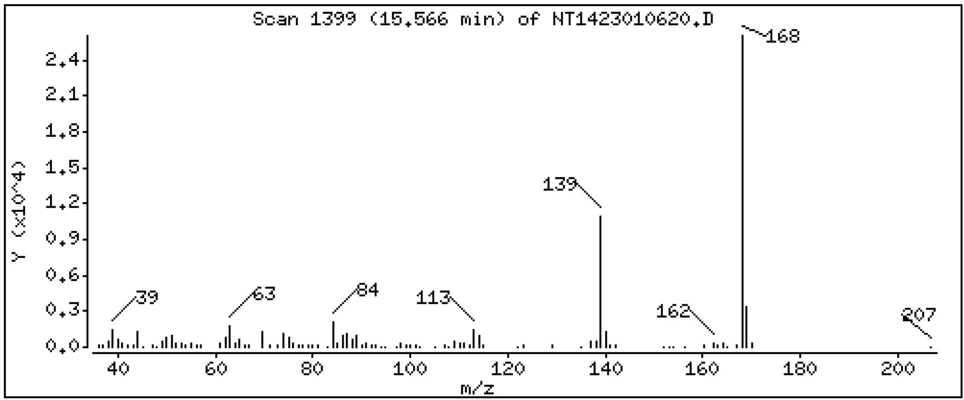
Client ID: Instrument: nt14.i

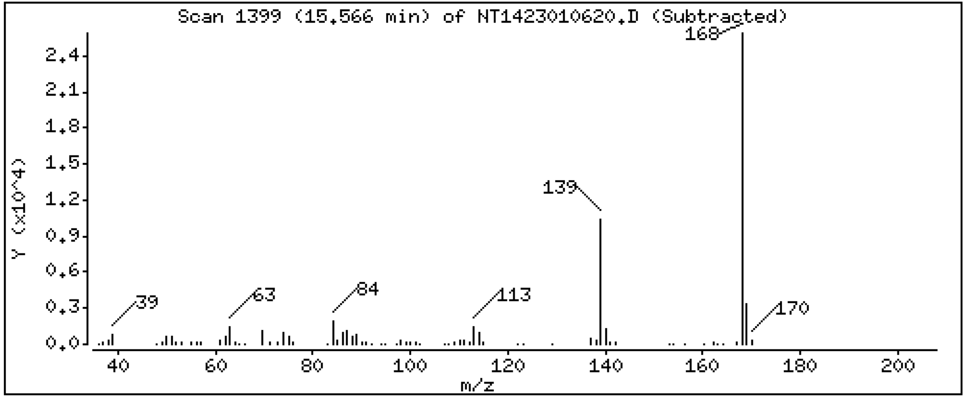
Sample Info: SLA0068-LCV2

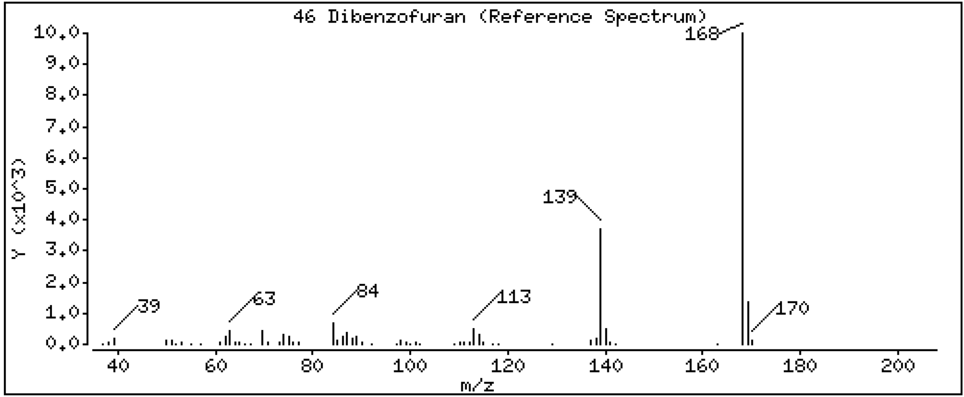
Operator: VTS

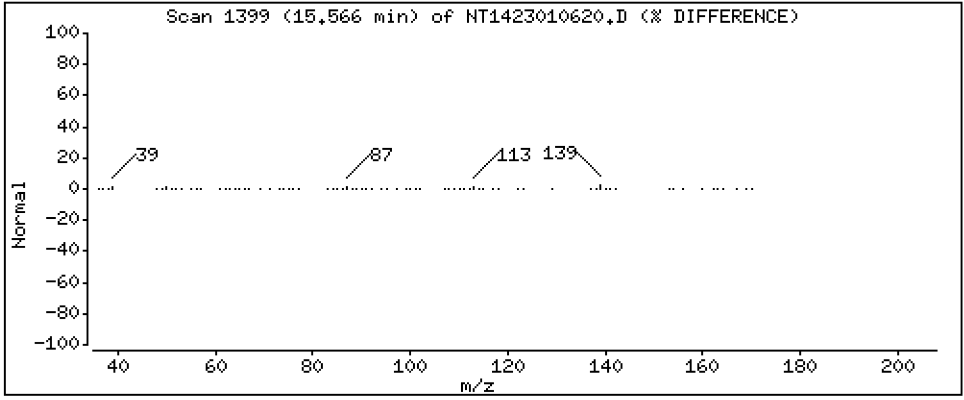
Column phase: ZB-5msi Column diameter: 0.25

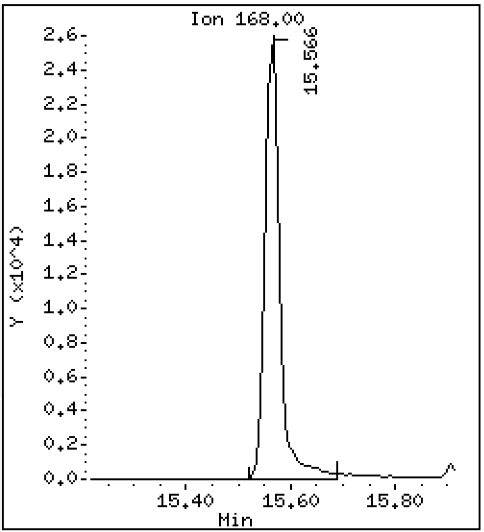
46 Dibenzofuran Concentration: 0.4526 ug/mL

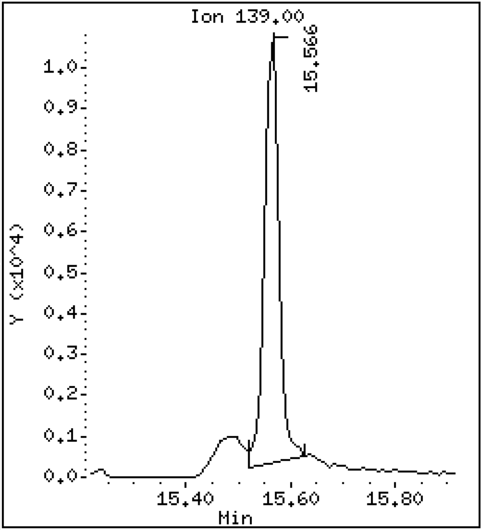


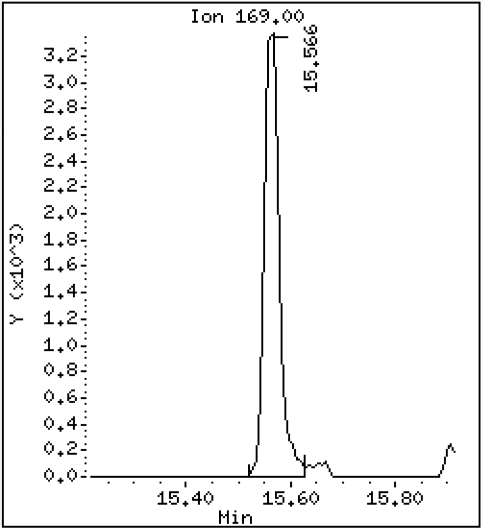












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Date : 06-JAN-2023 23:03

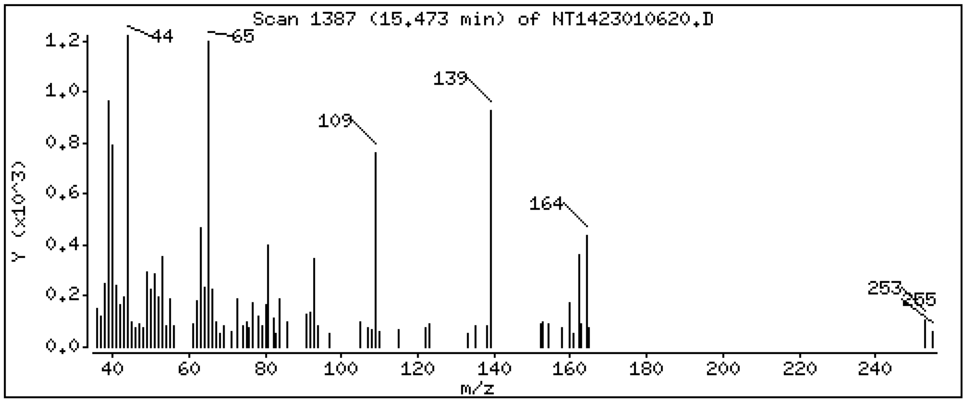
Client ID: Instrument: nt14.i

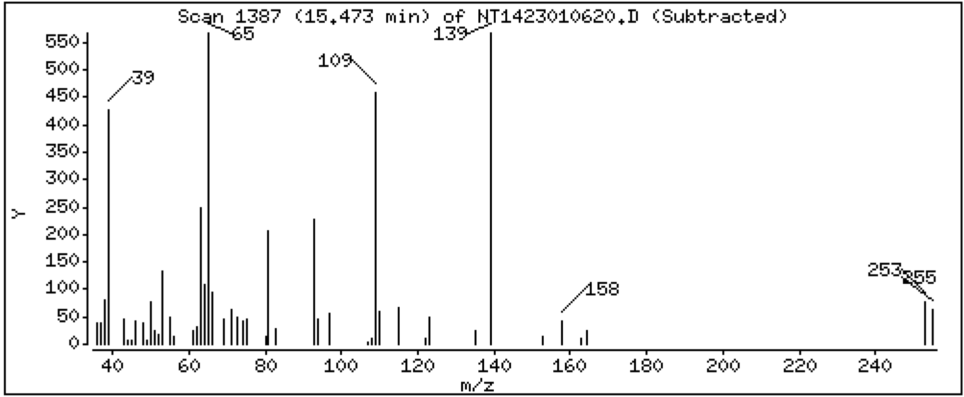
Sample Info: SLA0068-LCV2

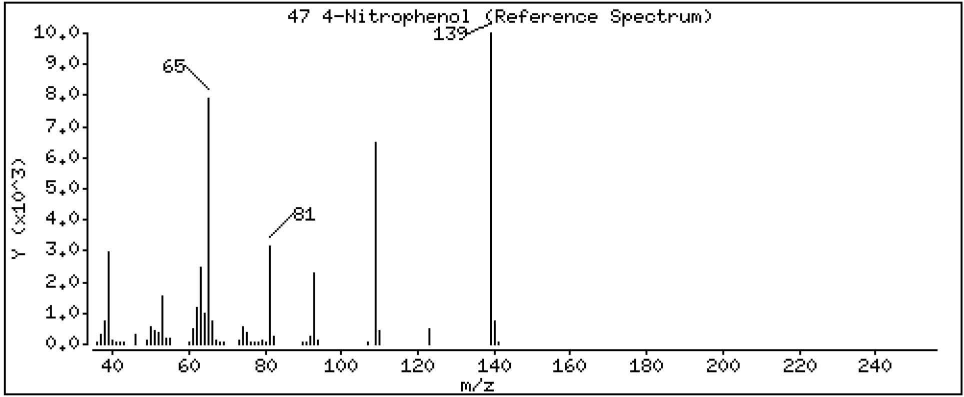
Operator: VTS

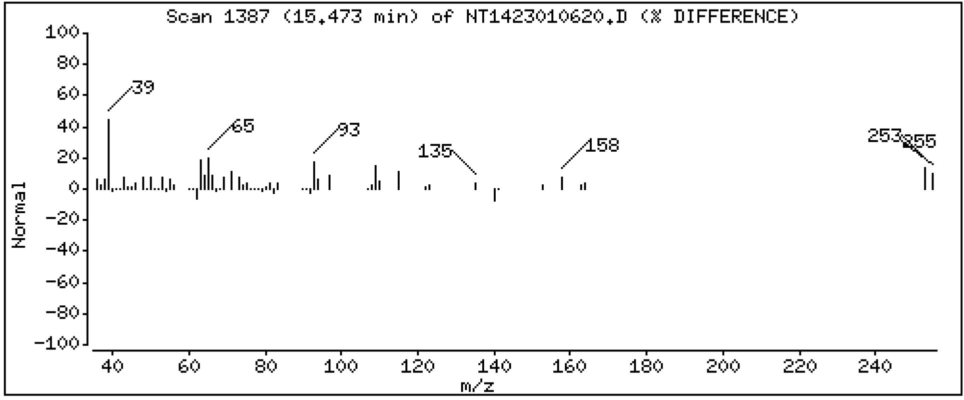
Column phase: ZB-5msi Column diameter: 0.25

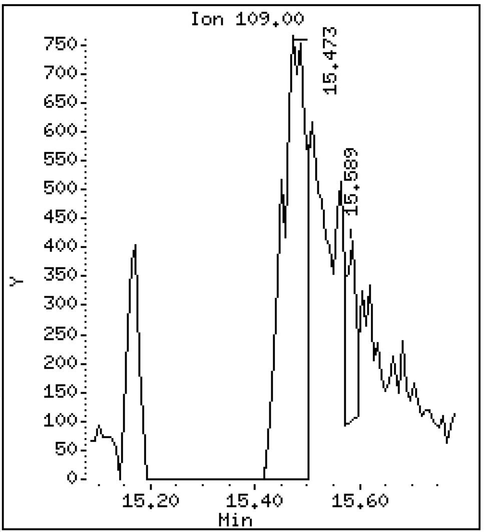
47 4-Nitrophenol Concentration: 0.2594 ug/mL

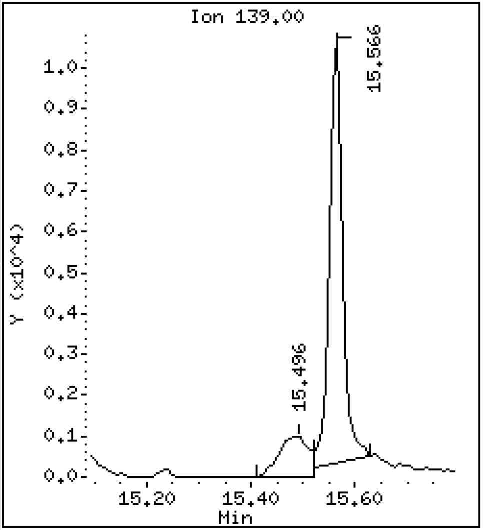

Scan 1387 (15.473 min) of NT1423010620.D

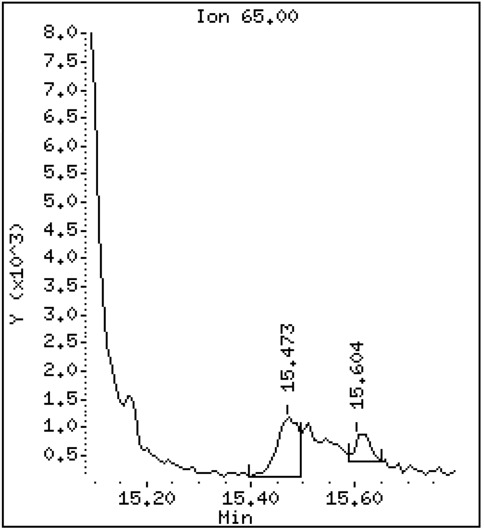

Scan 1387 (15.473 min) of NT1423010620.D (Subtracted)


47 4-Nitrophenol (Reference Spectrum)


Scan 1387 (15.473 min) of NT1423010620.D (% DIFFERENCE)


Ion 109.00


Ion 139.00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Data File: \\target\share\chem3\nt14.i\20230106.b\NT1423010620.D

Date : 06-JAN-2023 23:03

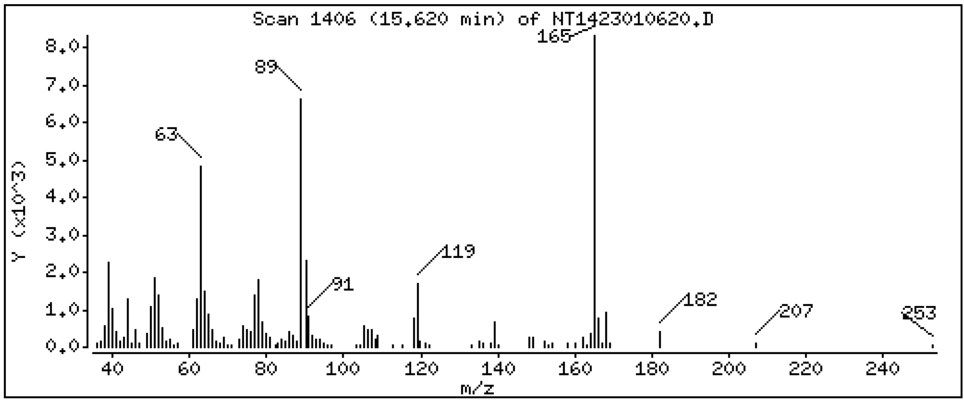
Client ID: Instrument: nt14.i

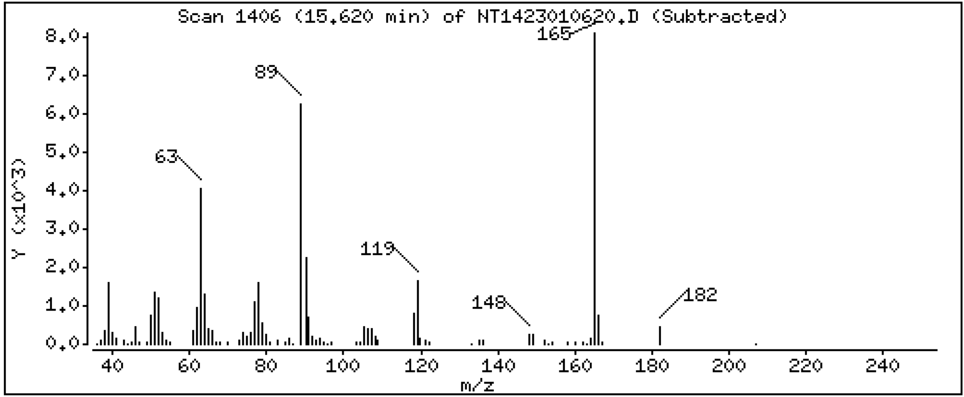
Sample Info: SLA0068-LCV2

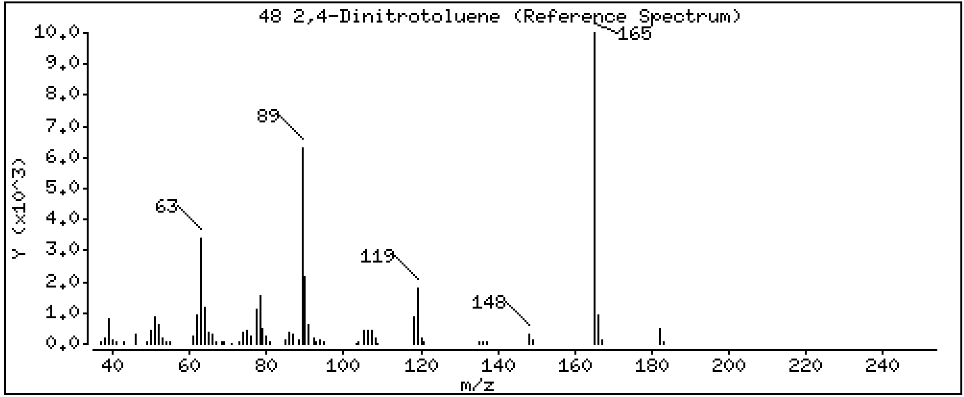
Operator: VTS

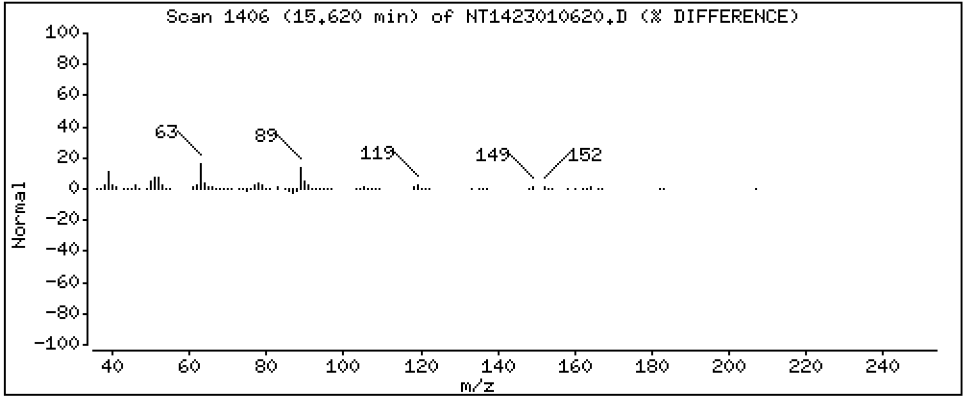
Column phase: ZB-5msi Column diameter: 0.25

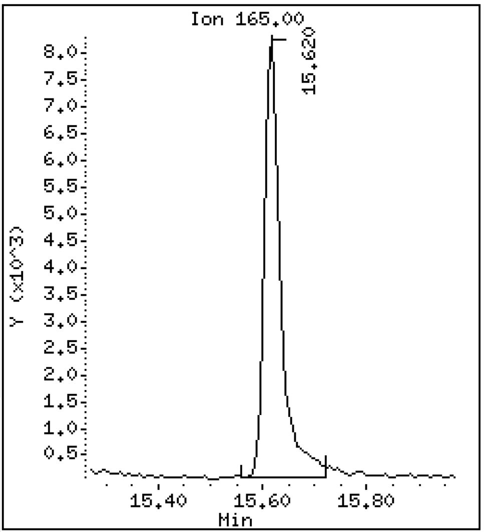
48 2,4-Dinitrotoluene Concentration: 0.7518 ug/mL


Scan 1406 (15.620 min) of NT1423010620.D


Scan 1406 (15.620 min) of NT1423010620.D (Subtracted)


48 2,4-Dinitrotoluene (Reference Spectrum)


Scan 1406 (15.620 min) of NT1423010620.D (% DIFFERENCE)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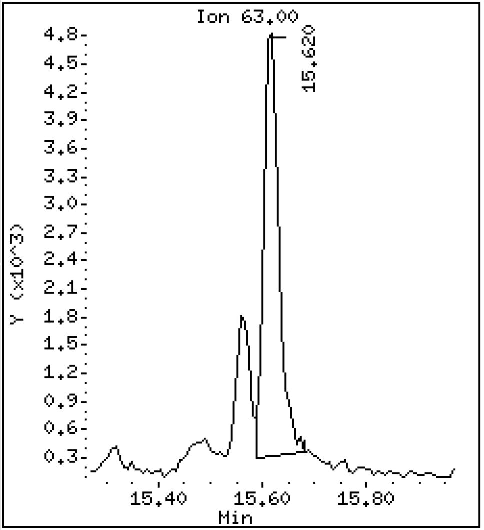
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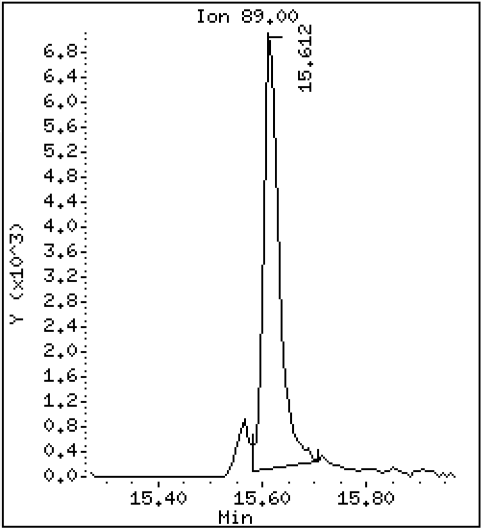

Ion 89.00

Data File: \\target\share\chem3\nt14.i\20230106.b\NT1423010620.D

Date : 06-JAN-2023 23:03

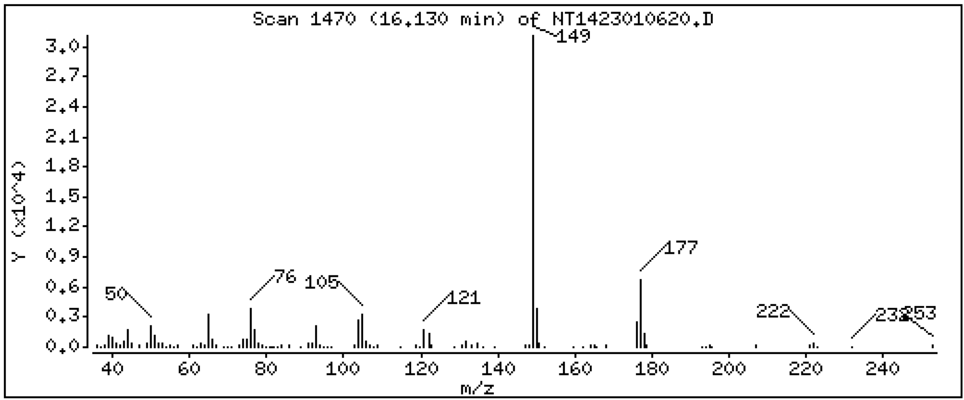
Client ID: Instrument: nt14.i

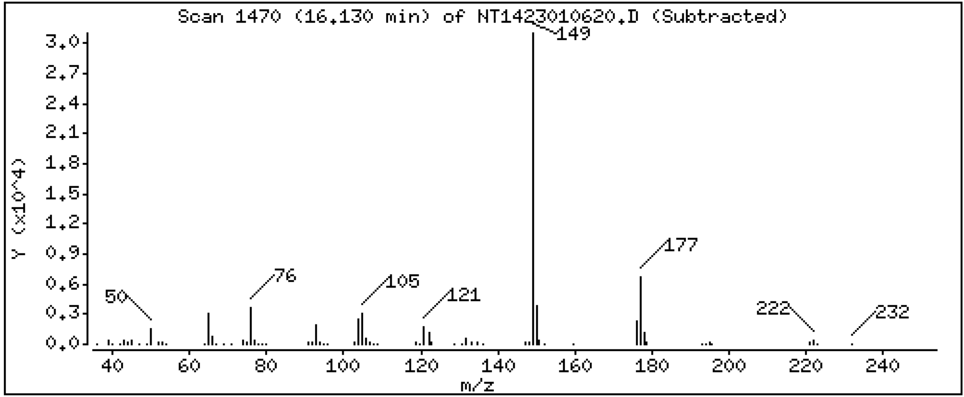
Sample Info: SLA0068-LCV2

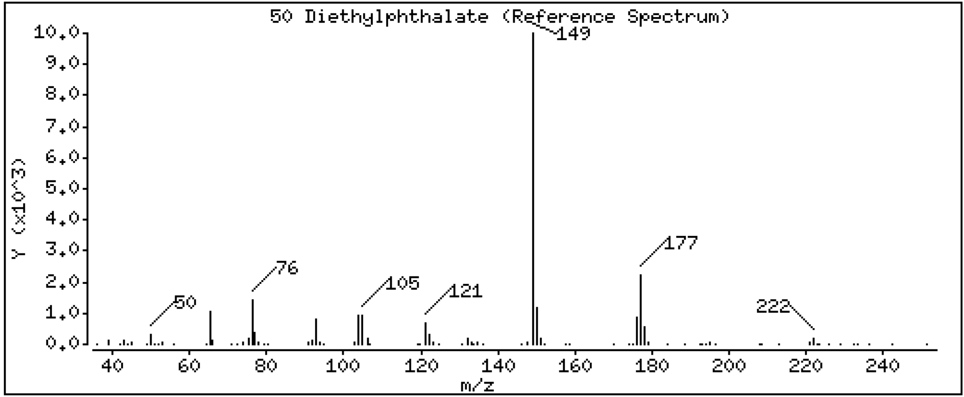
Operator: VTS

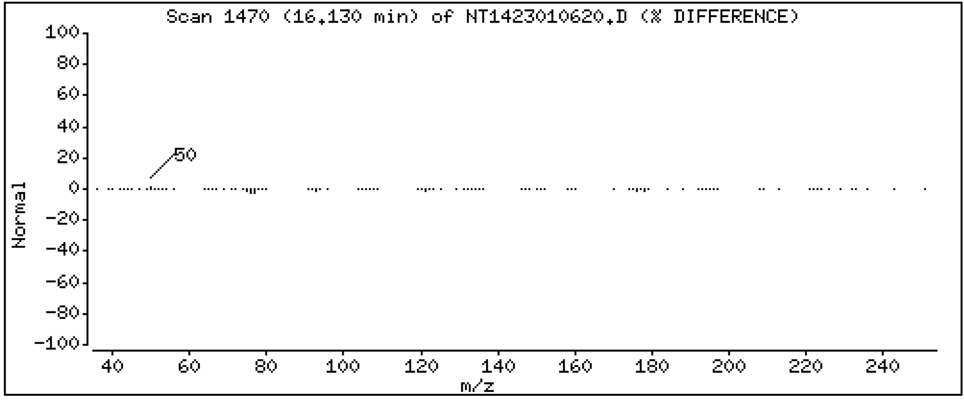
Column phase: ZB-5msi Column diameter: 0.25

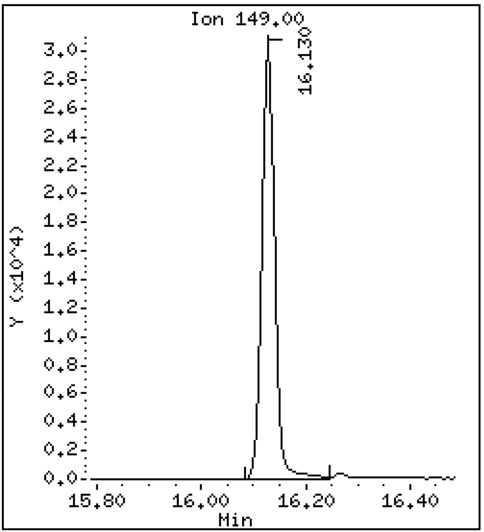
50 Diethylphthalate Concentration: 0.5301 ug/mL

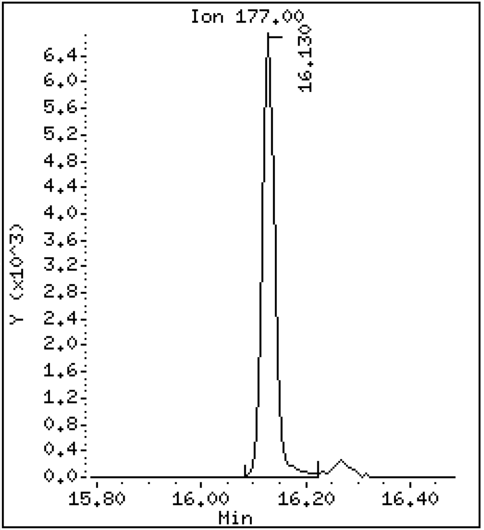

Scan 1470 (16.130 min) of NT1423010620.D

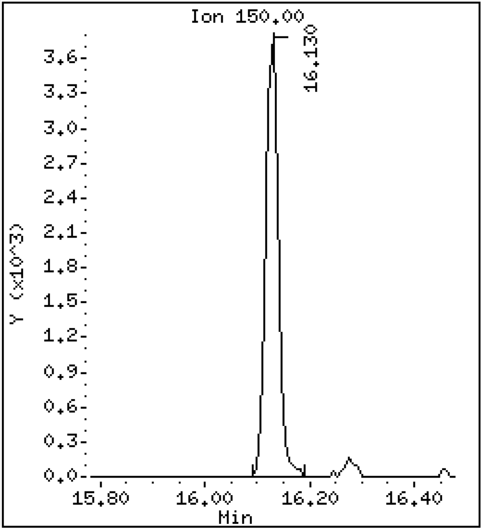

Scan 1470 (16.130 min) of NT1423010620.D (Subtracted)


50 Diethylphthalate (Reference Spectrum)


Scan 1470 (16.130 min) of NT1423010620.D (% DIFFERENCE)


Ion 149.00


Ion 177.00


Ion 150.00

Data File: \\target\share\chem3\nt14.i\20230106.b\NT1423010620.D

Date : 06-JAN-2023 23:03

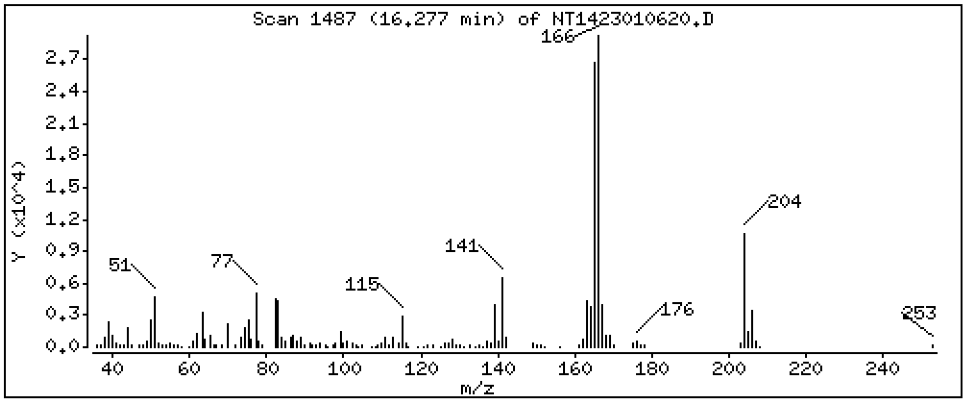
Client ID: Instrument: nt14.i

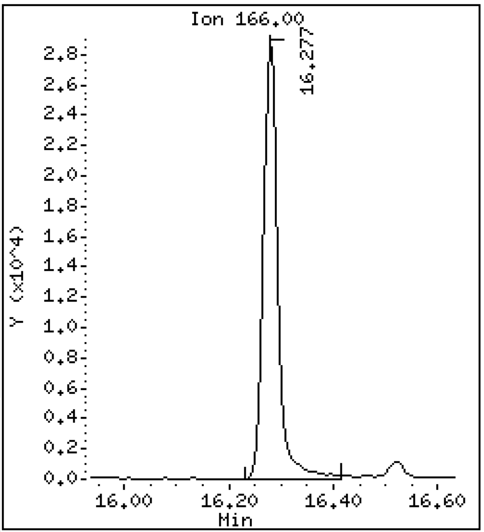
Sample Info: SLA0068-LCV2

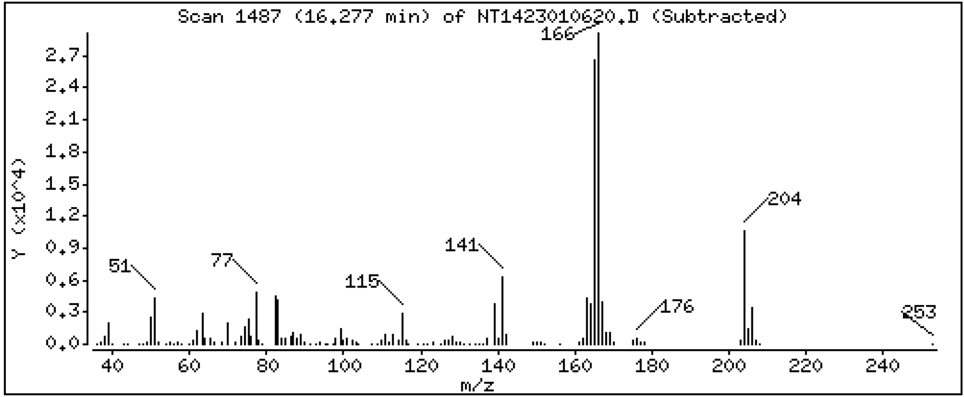
Operator: VTS

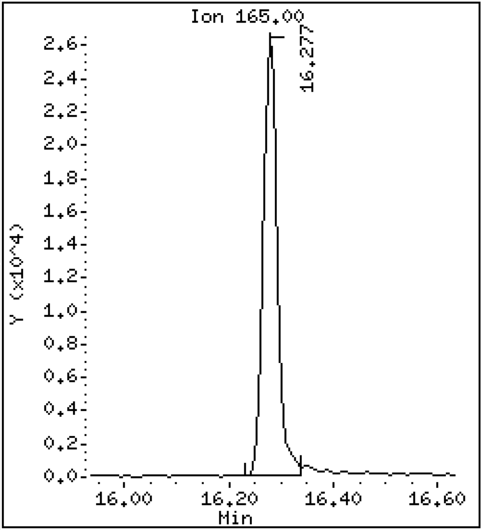
Column phase: ZB-5msi Column diameter: 0.25

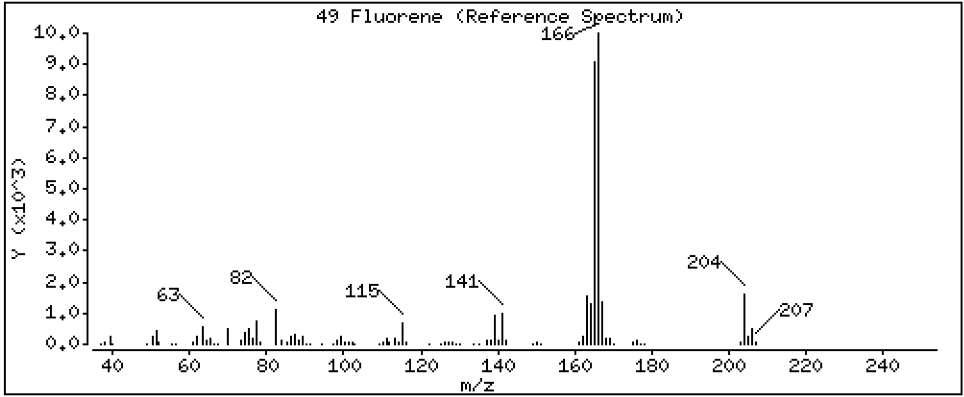
49 Fluorene Concentration: 0.4672 ug/mL

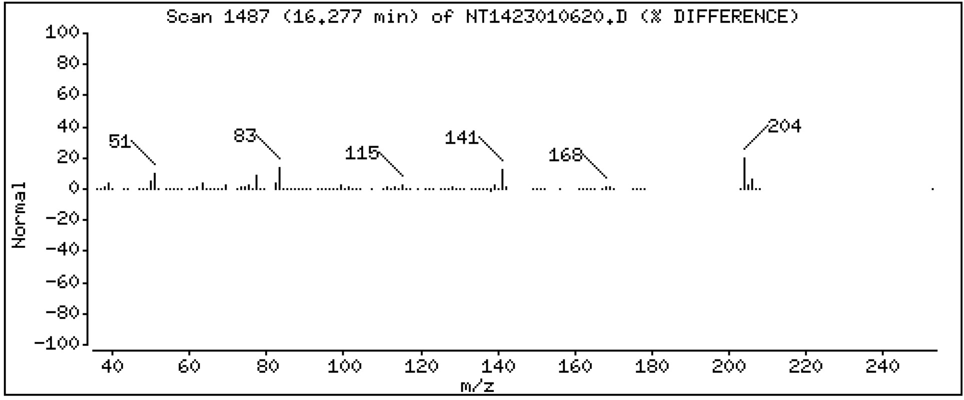


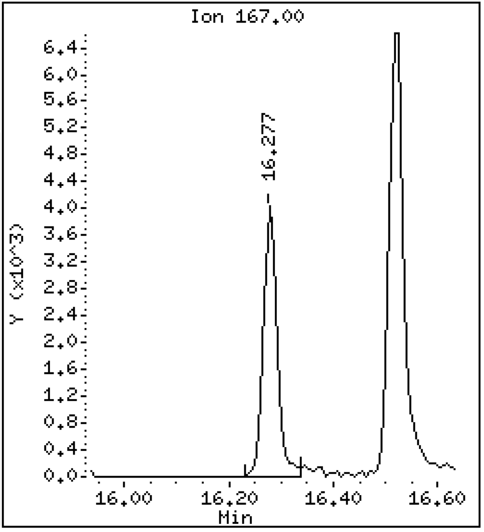












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Date : 06-JAN-2023 23:03

Client ID:

Instrument: nt14.i

Sample Info: SLA0068-LCV2

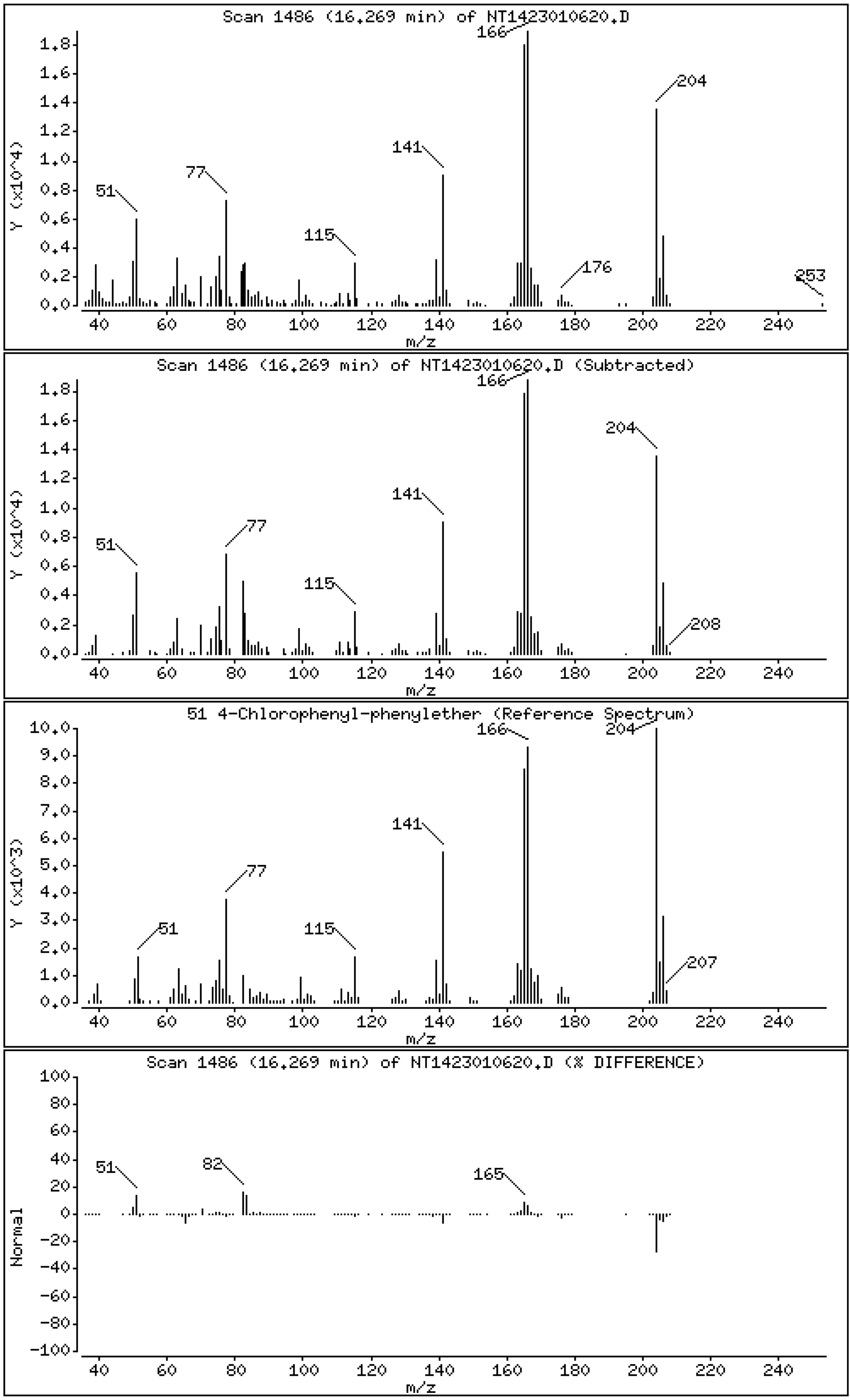
Operator: VTS

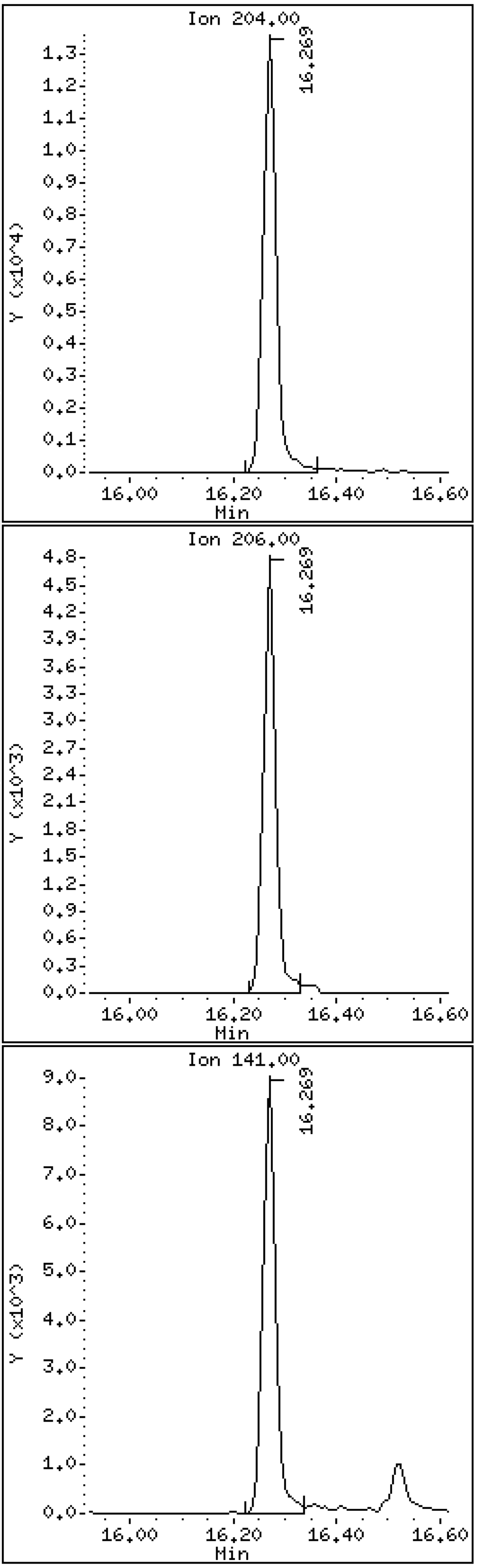
Column phase: ZB-5msi

Column diameter: 0.25

51 4-Chlorophenyl-phenylether

Concentration: 0.4205 ug/mL





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Date : 06-JAN-2023 23:03

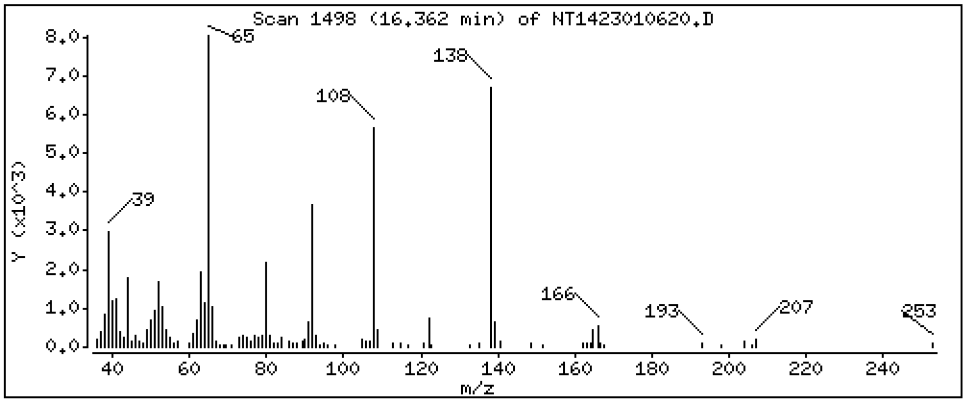
Client ID: Instrument: nt14.i

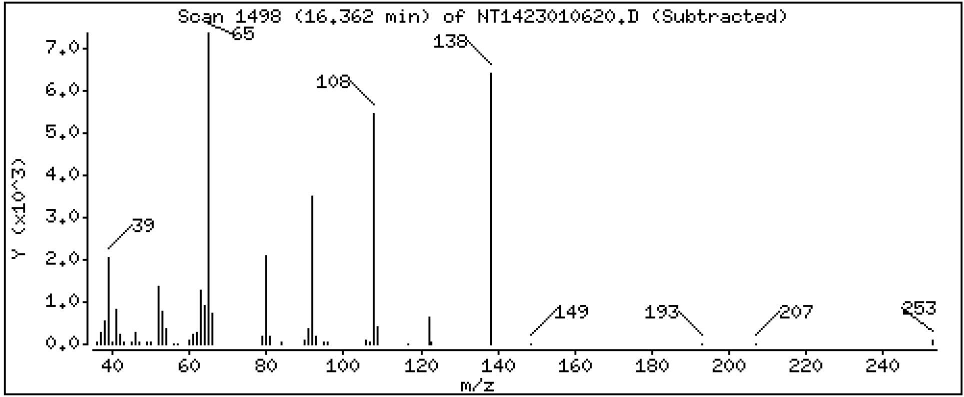
Sample Info: SLA0068-LCV2

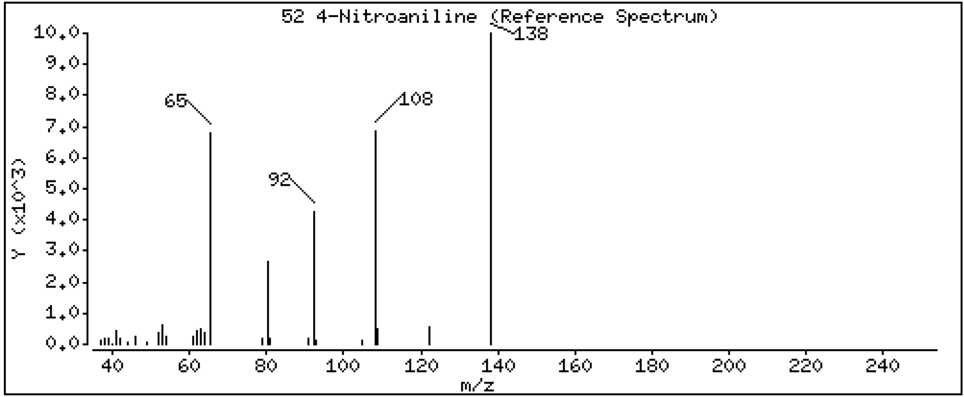
Operator: VTS

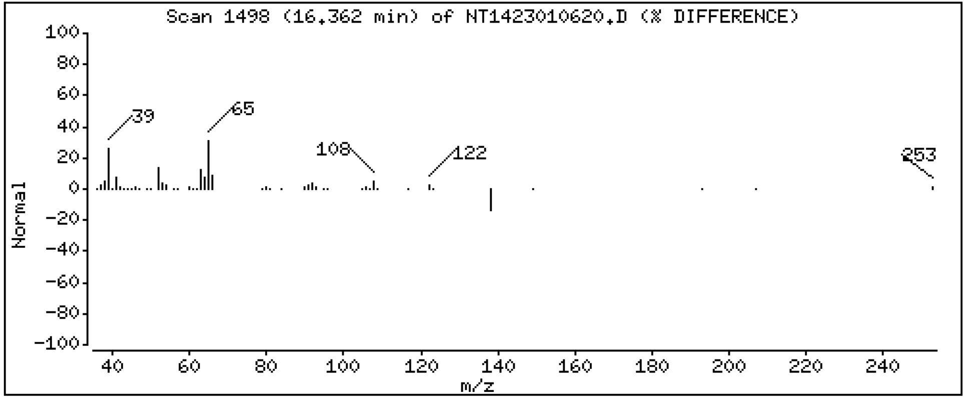
Column phase: ZB-5msi Column diameter: 0.25

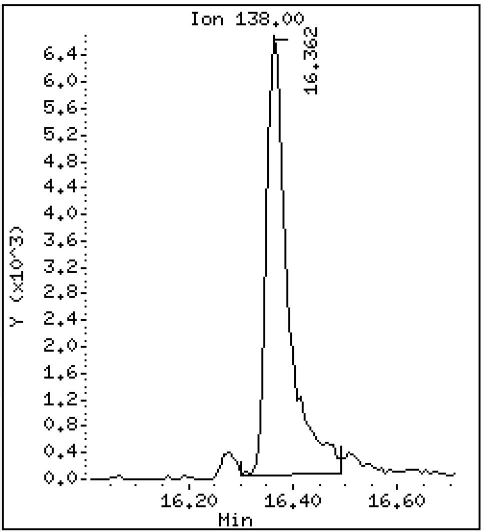
52 4-Nitroaniline Concentration: 0.7544 ug/mL

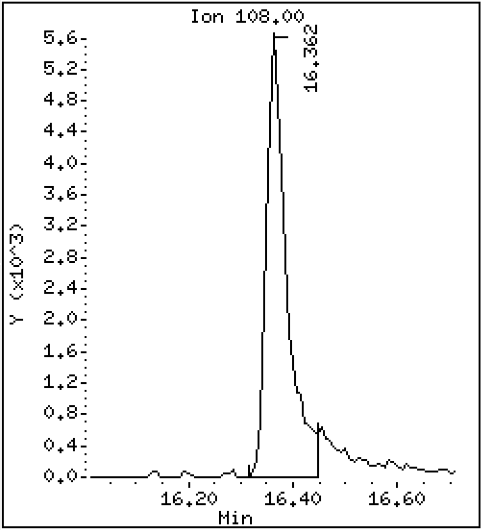

Scan 1498 (16.362 min) of NT1423010620.D

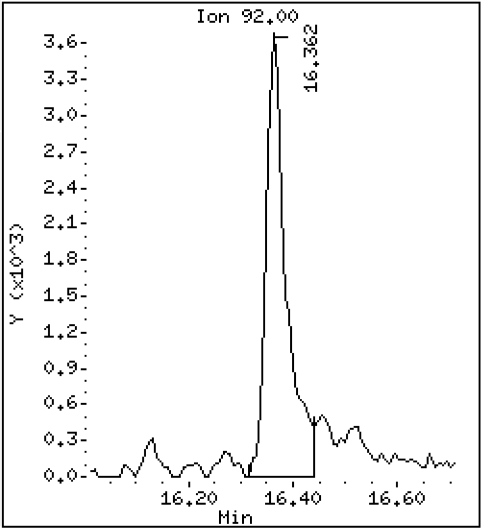

Scan 1498 (16.362 min) of NT1423010620.D (Subtracted)


52 4-Nitroaniline (Reference Spectrum)


Scan 1498 (16.362 min) of NT1423010620.D (% DIFFERENCE)


Ion 138.00


Ion 108.00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Date : 06-JAN-2023 23:03

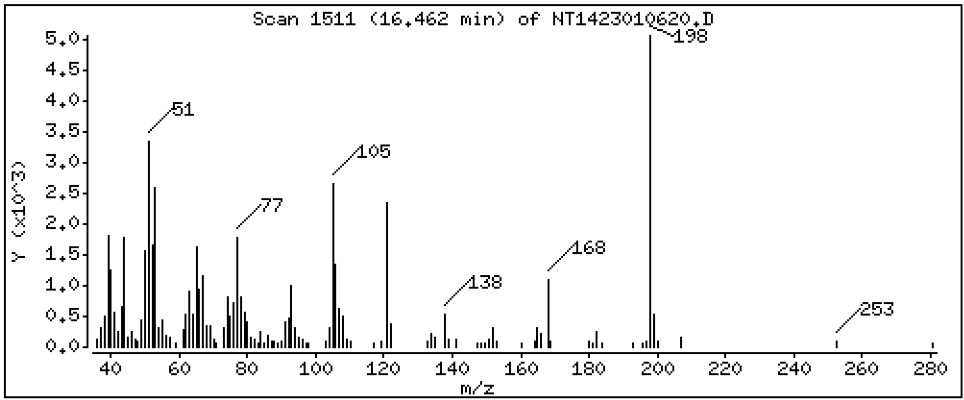
Client ID: Instrument: nt14.i

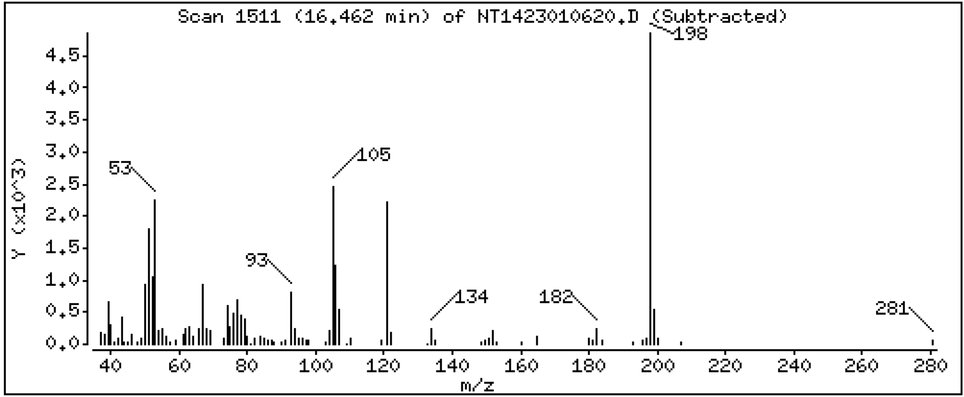
Sample Info: SLA0068-LCV2

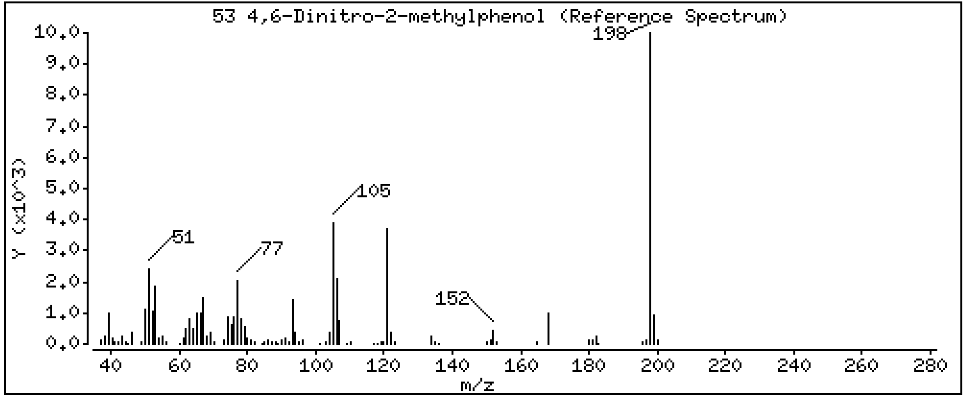
Operator: VTS

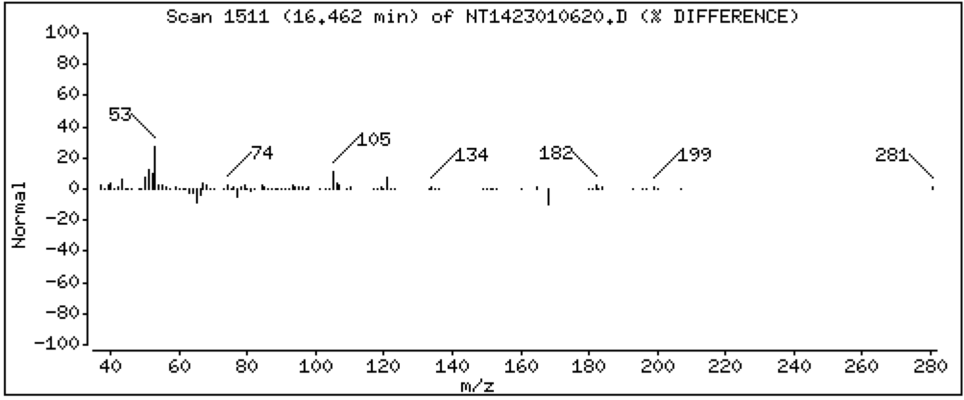
Column phase: ZB-5msi Column diameter: 0.25

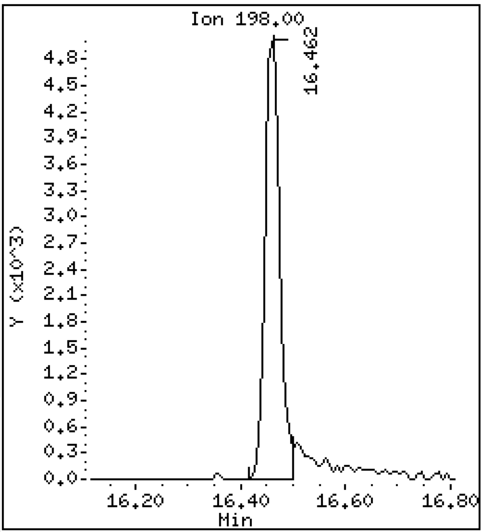
53 4,6-Dinitro-2-methylphenol Concentration: 0.5046 ug/mL

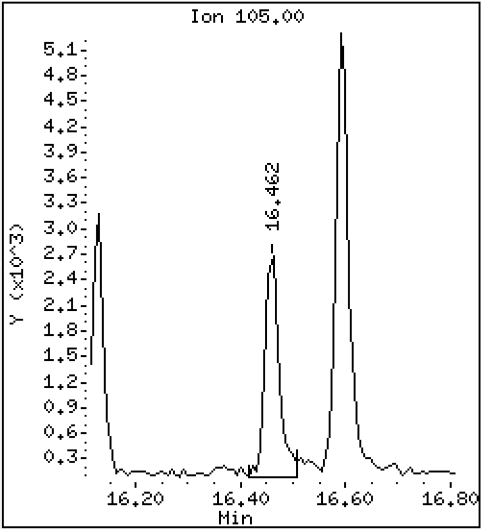

Scan 1511 (16.462 min) of NT1423010620.D

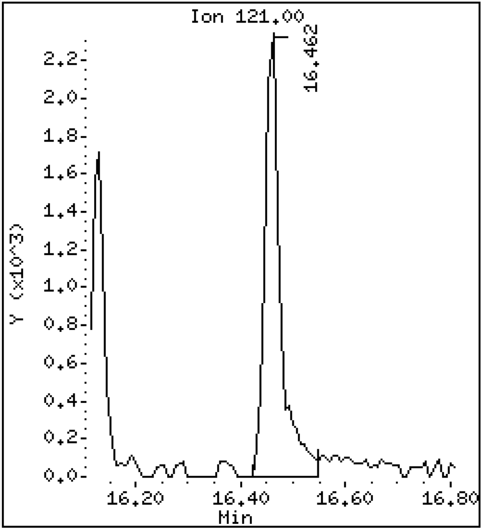

Scan 1511 (16.462 min) of NT1423010620.D (Subtracted)


53 4,6-Dinitro-2-methylphenol (Reference Spectrum)


Scan 1511 (16.462 min) of NT1423010620.D (% DIFFERENCE)


Ion 198.00


Ion 105.00


Ion 121.00

Data File: \\target\share\chem3\nt14.i\20230106.b\NT1423010620.D

Date : 06-JAN-2023 23:03

Client ID:

Instrument: nt14.i

Sample Info: SLA0068-LCV2

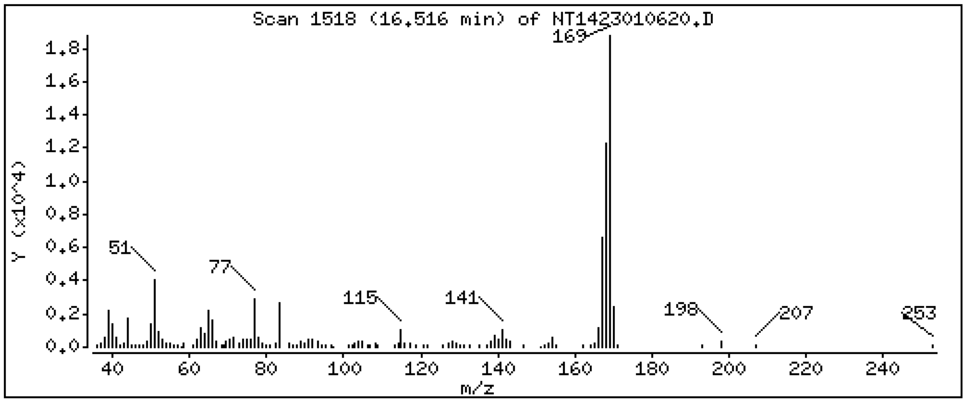
Operator: VTS

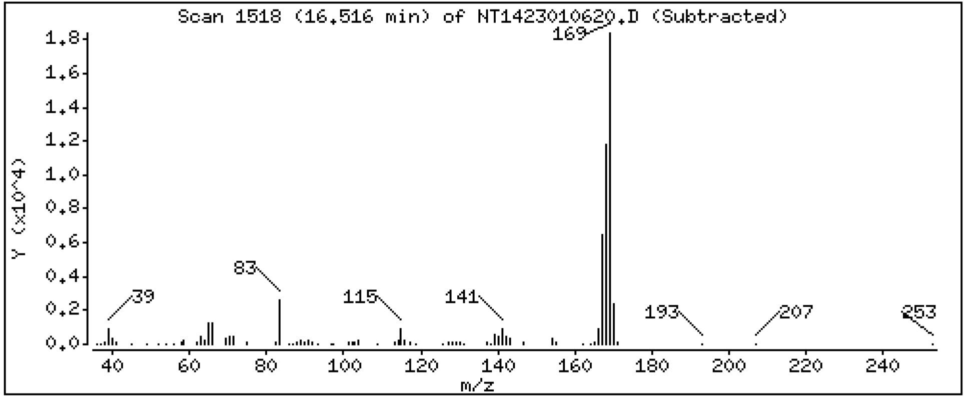
Column phase: ZB-5msi

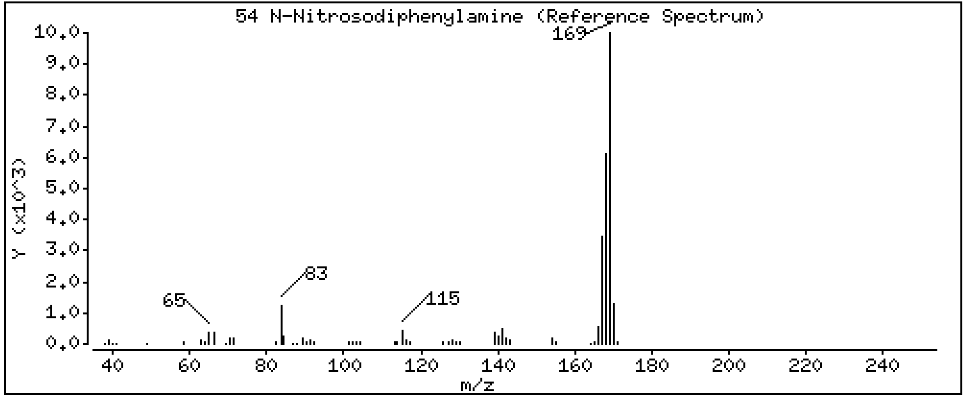
Column diameter: 0.25

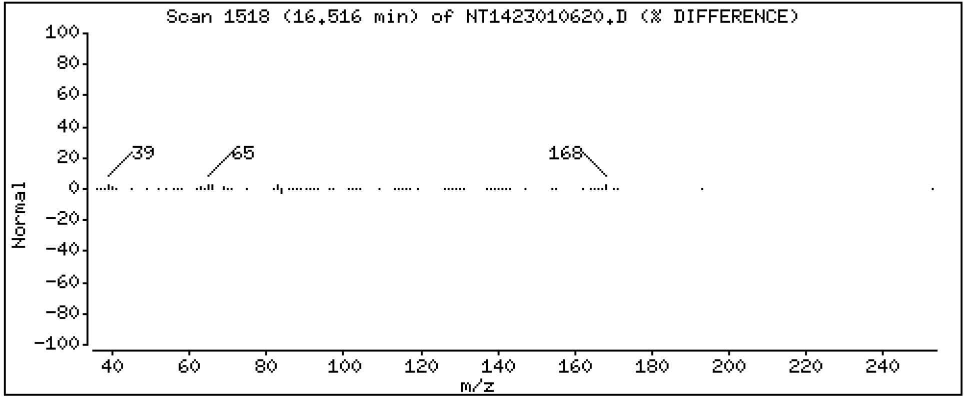
54 N-Nitrosodiphenylamine

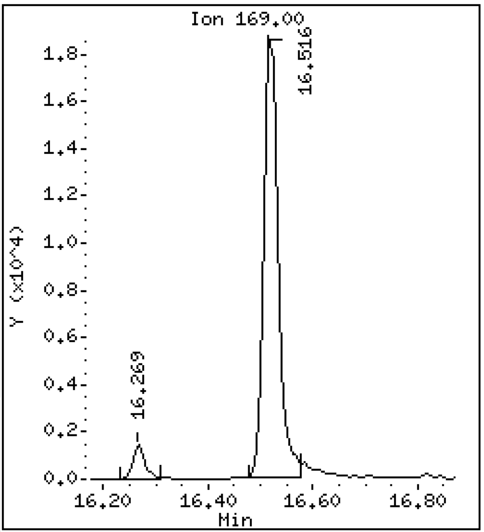
Concentration: 0.4445 ug/mL

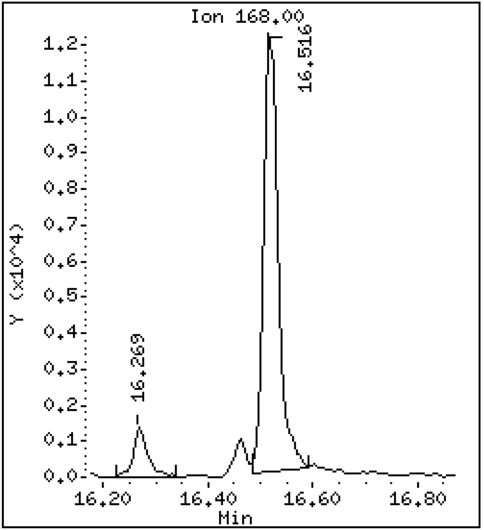

Scan 1518 (16.516 min) of NT1423010620.D


Scan 1518 (16.516 min) of NT1423010620.D (Subtracted)


54 N-Nitrosodiphenylamine (Reference Spectrum)


Scan 1518 (16.516 min) of NT1423010620.D (% DIFFERENCE)


Ion 169.00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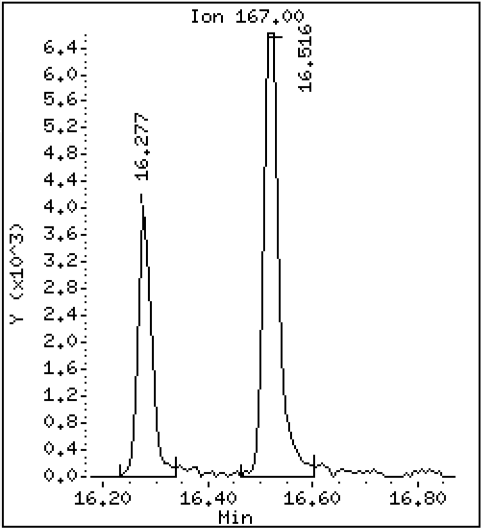

Ion 167.00

Data File: \\target\share\chem3\nt14.i\20230106.b\NT1423010620.D

Date : 06-JAN-2023 23:03

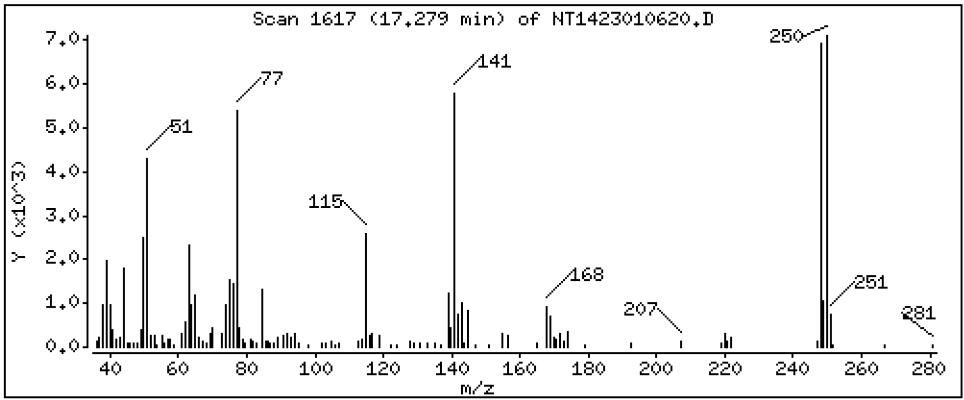
Client ID: Instrument: nt14.i

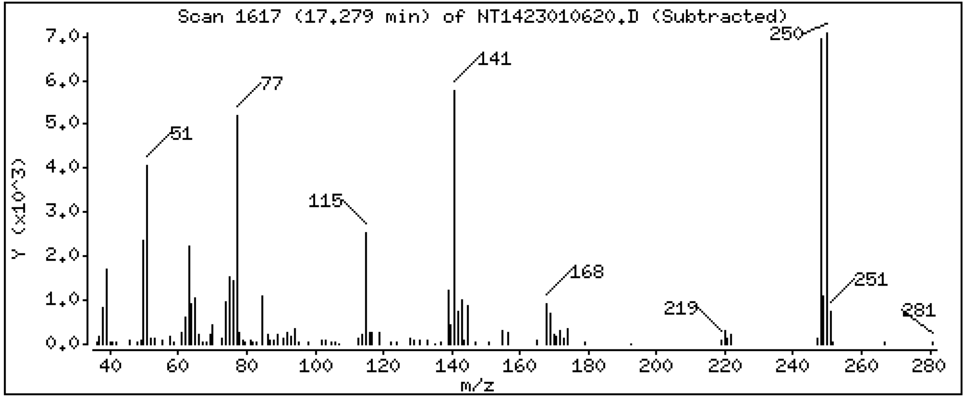
Sample Info: SLA0068-LCV2

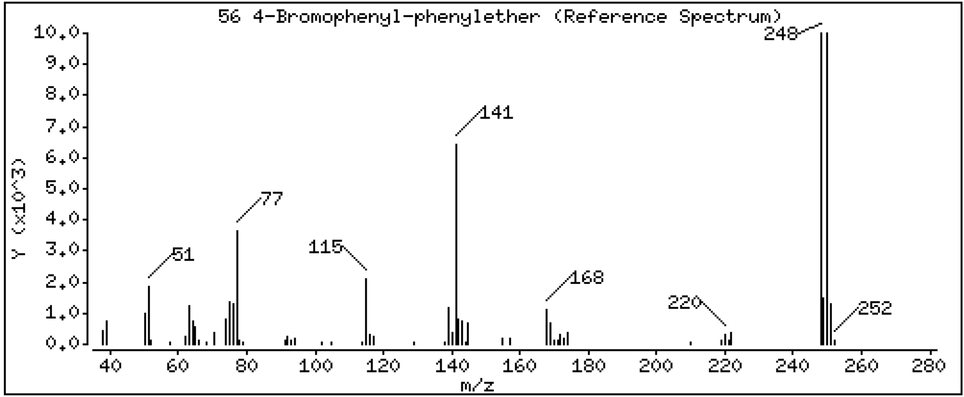
Operator: VTS

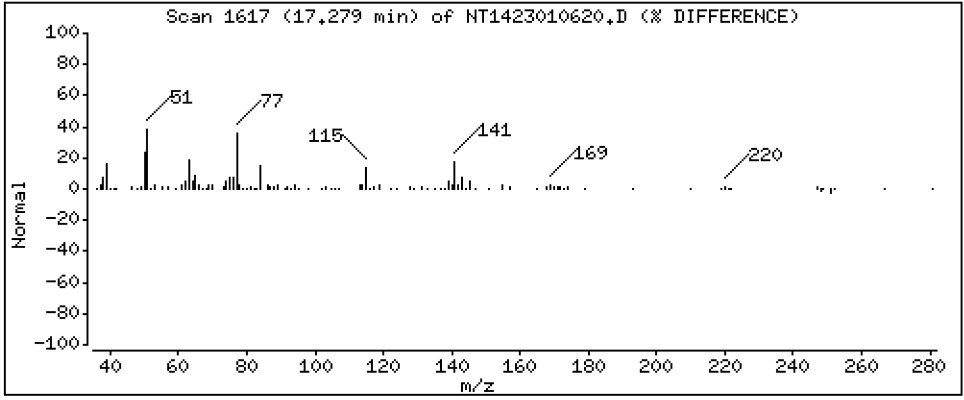
Column phase: ZB-5msi Column diameter: 0.25

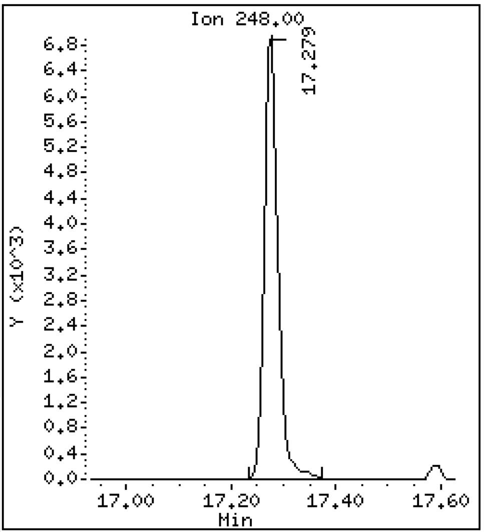
56 4-Bromophenyl-phenylether Concentration: 0.4322 ug/mL

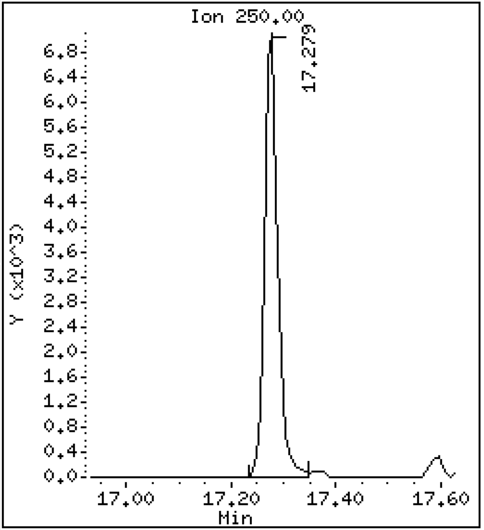

Scan 1617 (17.279 min) of NT1423010620.D

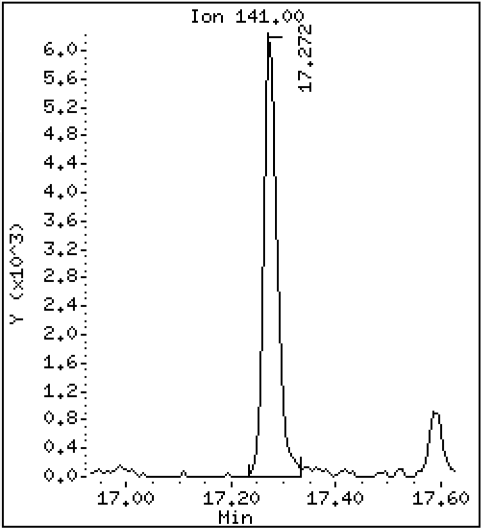

Scan 1617 (17.279 min) of NT1423010620.D (Subtracted)


56 4-Bromophenyl-phenylether (Reference Spectrum)


Scan 1617 (17.279 min) of NT1423010620.D (% DIFFERENCE)


Ion 248.00


Ion 250.00


Ion 141.00

Data File: \\target\share\chem3\nt14.i\20230106.b\NT1423010620.D

Date : 06-JAN-2023 23:03

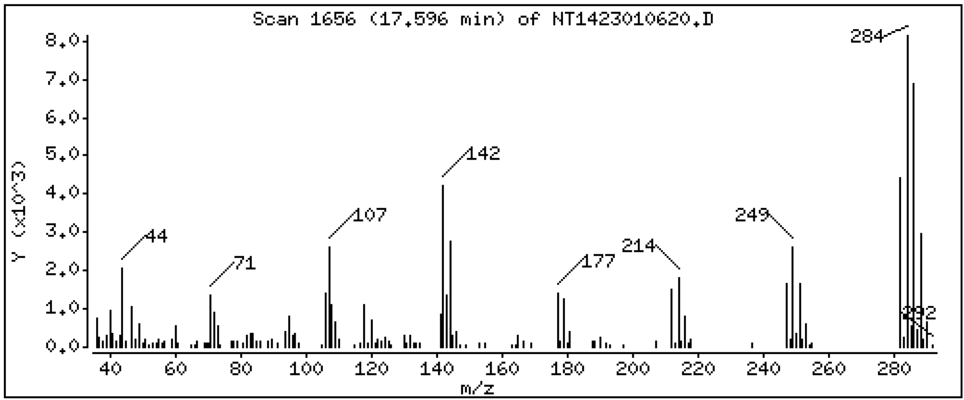
Client ID: Instrument: nt14.i

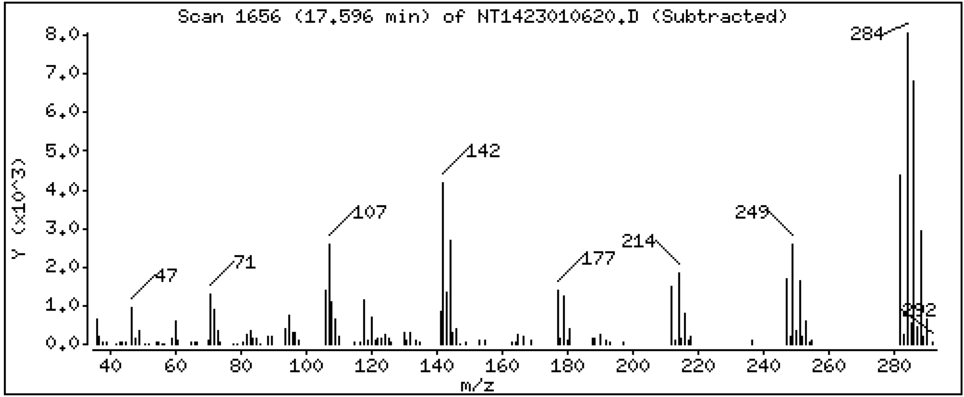
Sample Info: SLA0068-LCV2

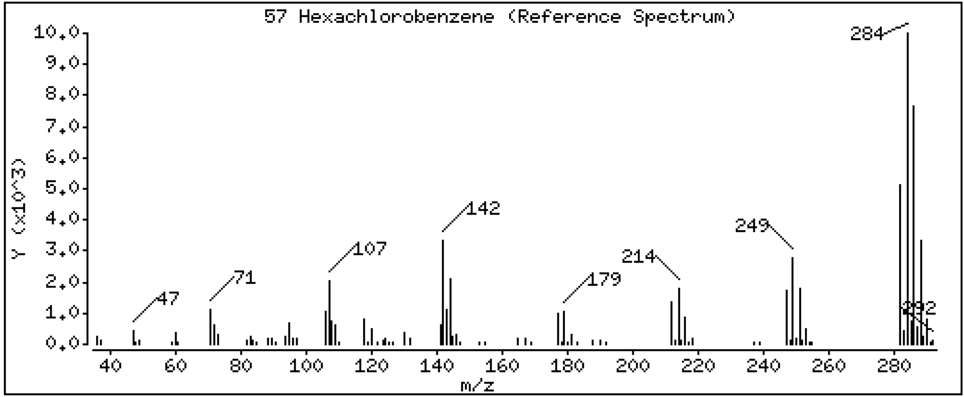
Operator: VTS

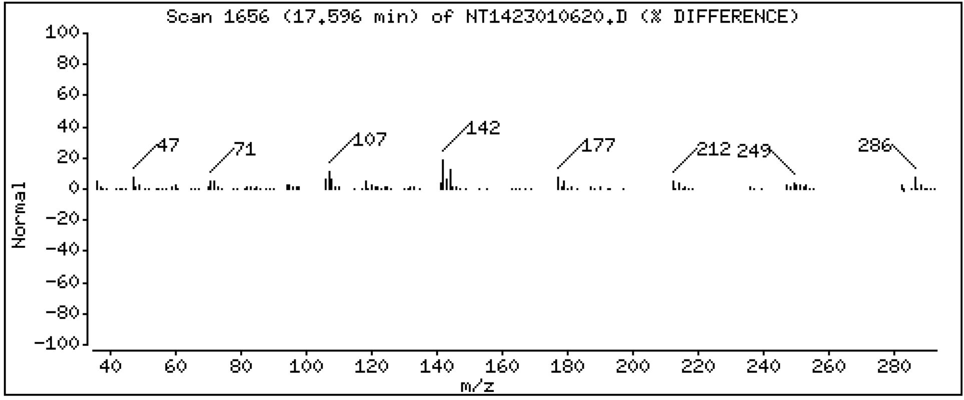
Column phase: ZB-5msi Column diameter: 0.25

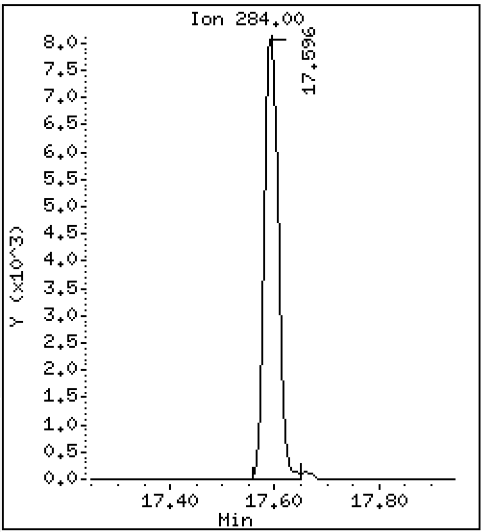
57 Hexachlorobenzene Concentration: 0.4543 ug/mL

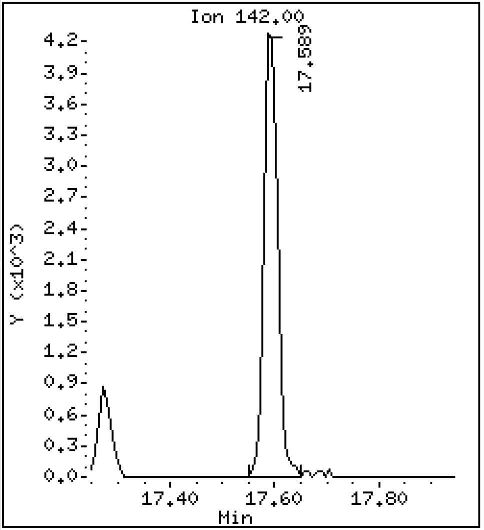

Scan 1656 (17.596 min) of NT1423010620.D

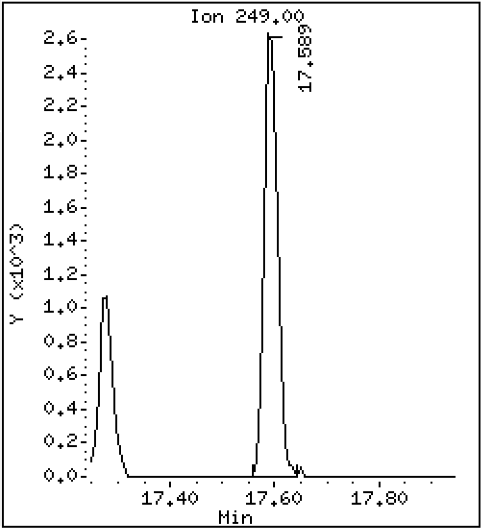

Scan 1656 (17.596 min) of NT1423010620.D (Subtracted)


57 Hexachlorobenzene (Reference Spectrum)


Scan 1656 (17.596 min) of NT1423010620.D (% DIFFERENCE)


Ion 284.00


Ion 142.00


Ion 249.00

Data File: \\target\share\chem3\nt14.i\20230106.b\NT1423010620.D

Date : 06-JAN-2023 23:03

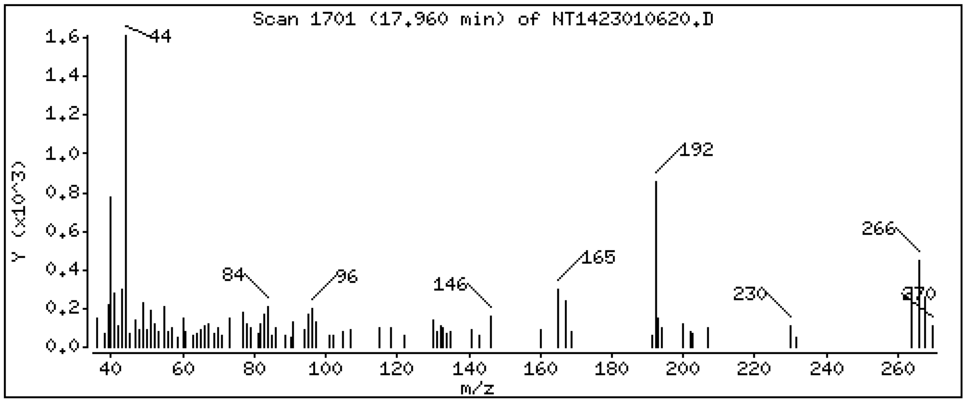
Client ID: Instrument: nt14.i

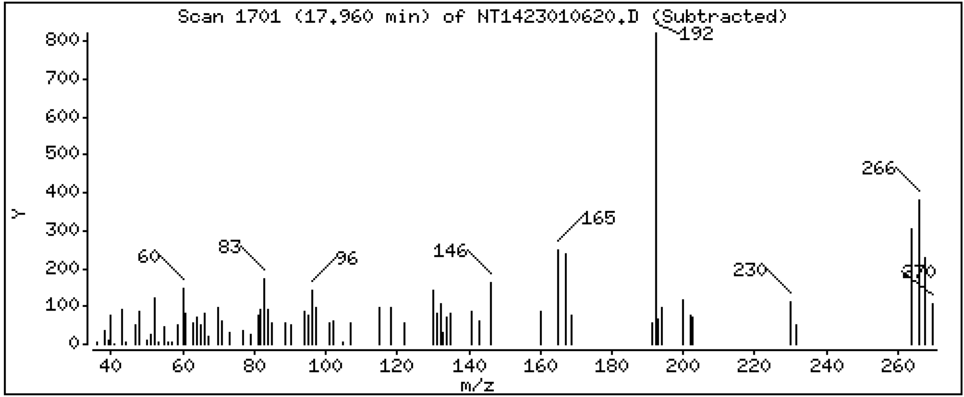
Sample Info: SLA0068-LCV2

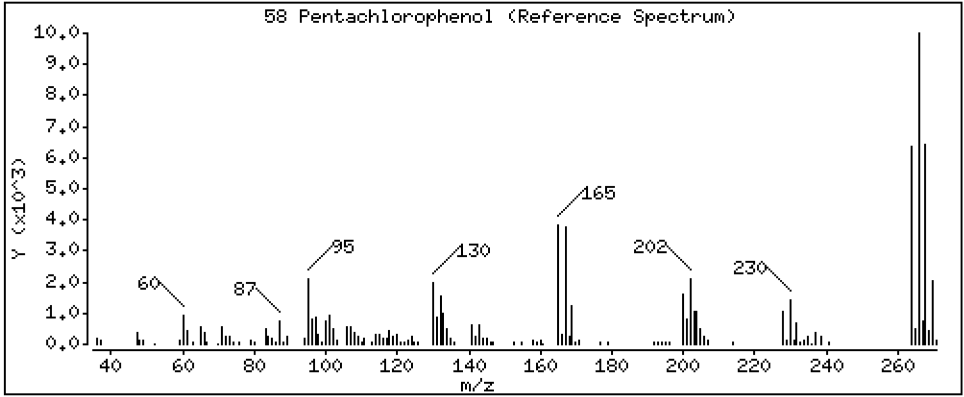
Operator: VTS

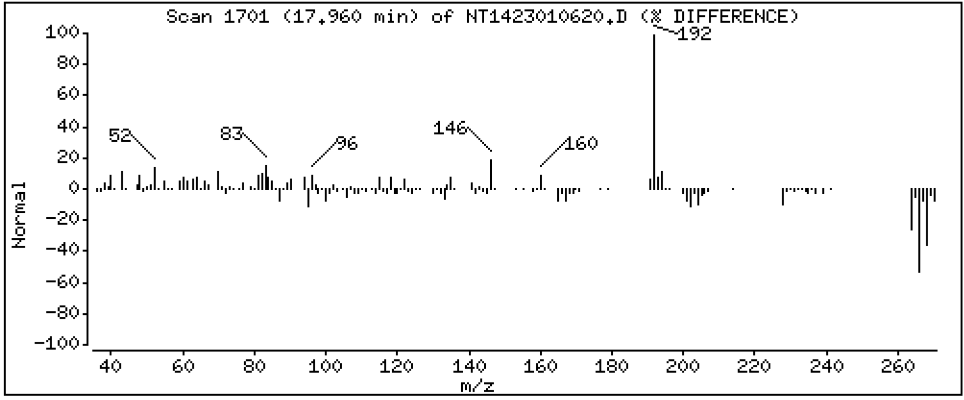
Column phase: ZB-5msi Column diameter: 0.25

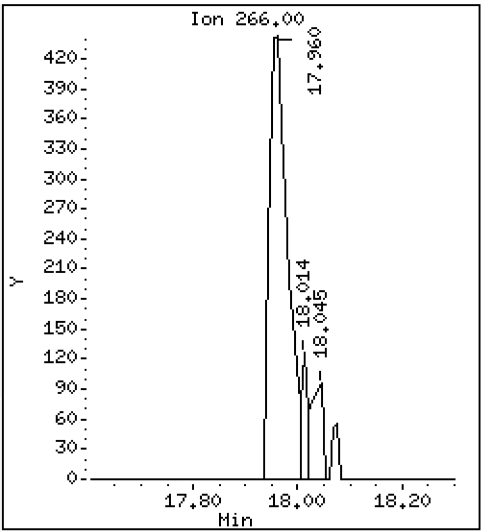
58 Pentachlorophenol Concentration: 0.07732 ug/mL

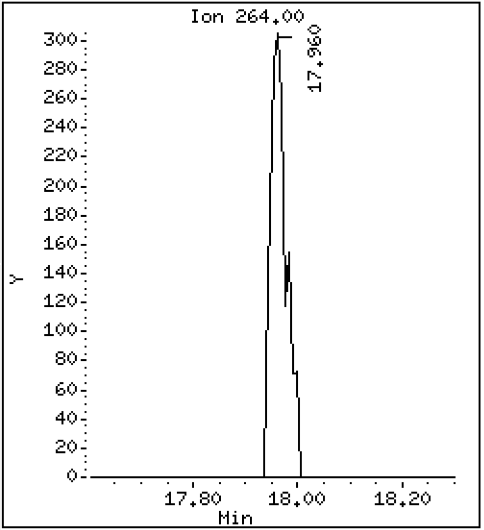


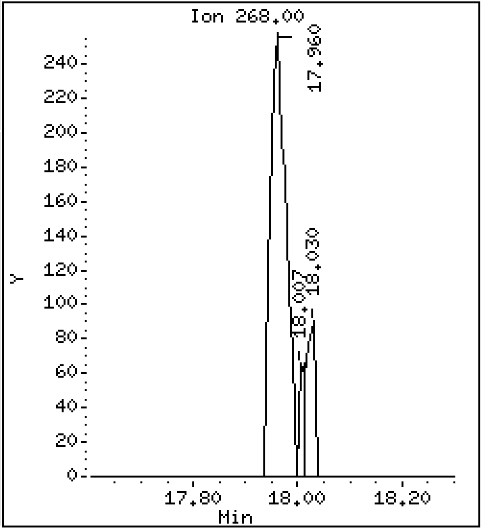












Data File: \\target\share\chem3\nt14.i\20230106.b\NT1423010620.D

Date : 06-JAN-2023 23:03

Client ID:

Instrument: nt14.i

Sample Info: SLA0068-LCV2

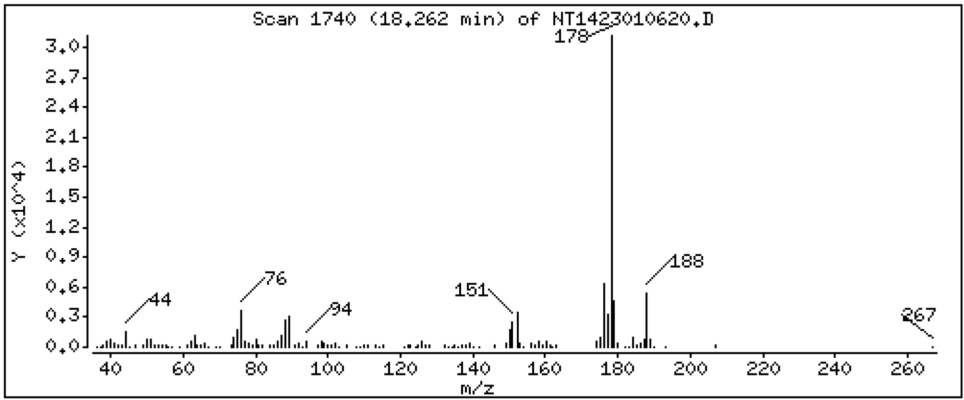
Operator: VTS

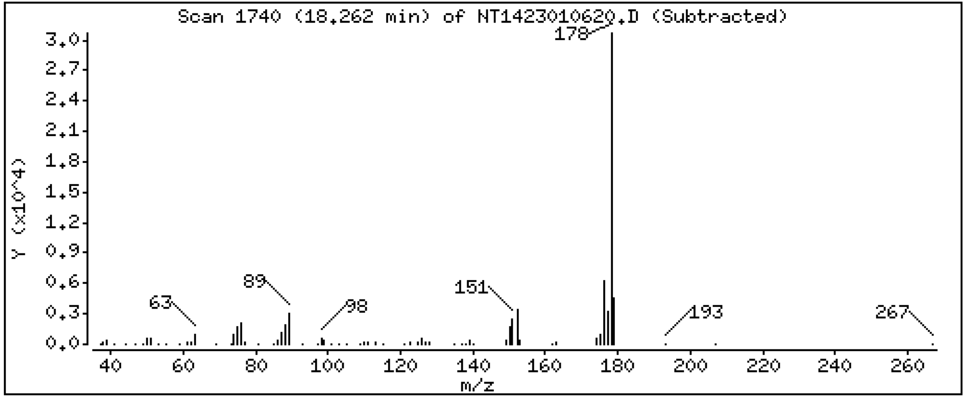
Column phase: ZB-5msi

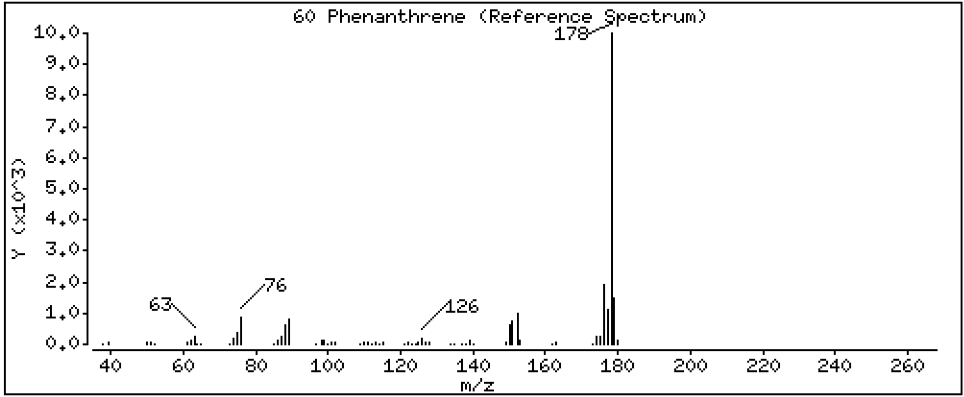
Column diameter: 0.25

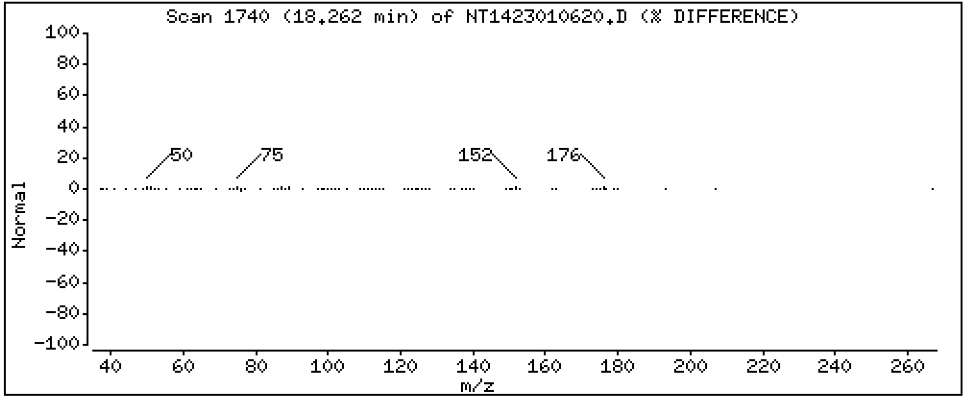
60 Phenanthrene

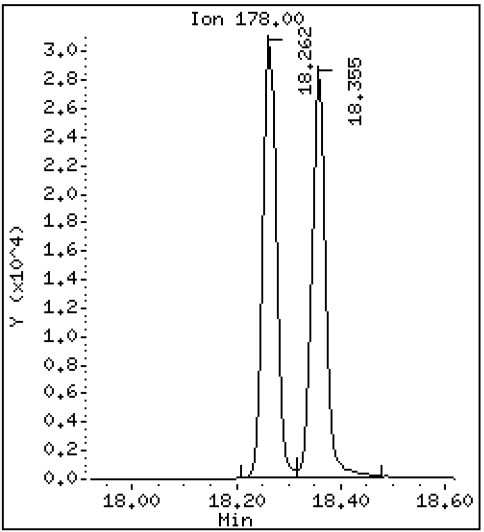
Concentration: 0.4518 ug/mL

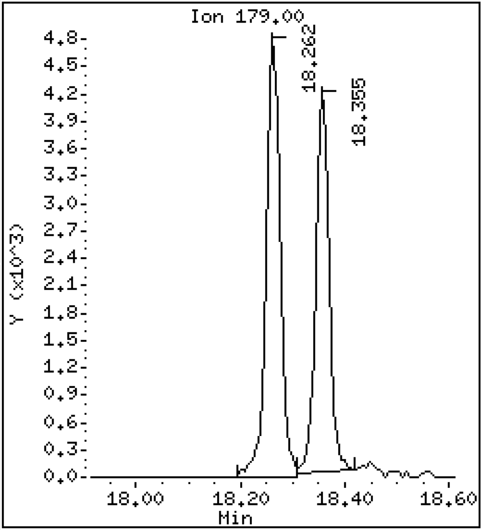


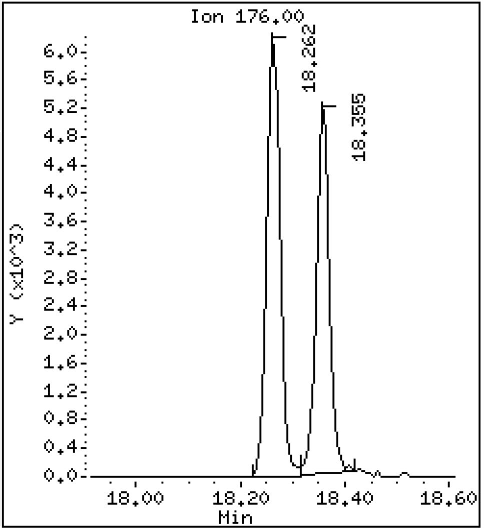












Data File: \\target\share\chem3\nt14.i\20230106.b\NT1423010620.D

Date : 06-JAN-2023 23:03

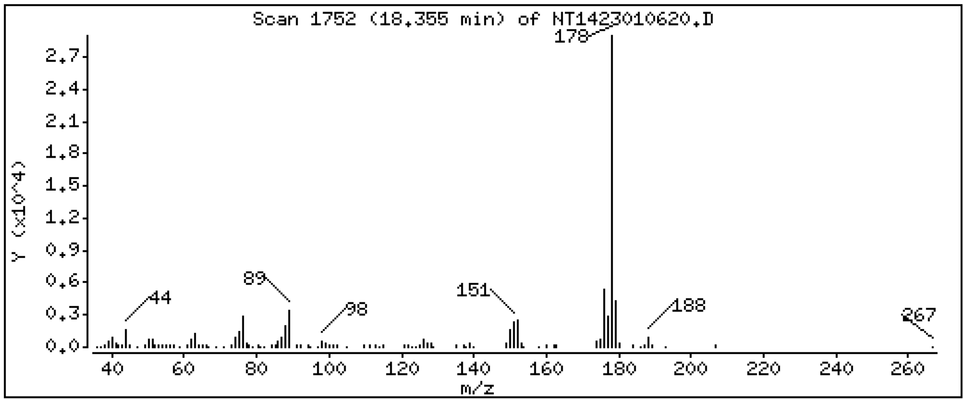
Client ID: Instrument: nt14.i

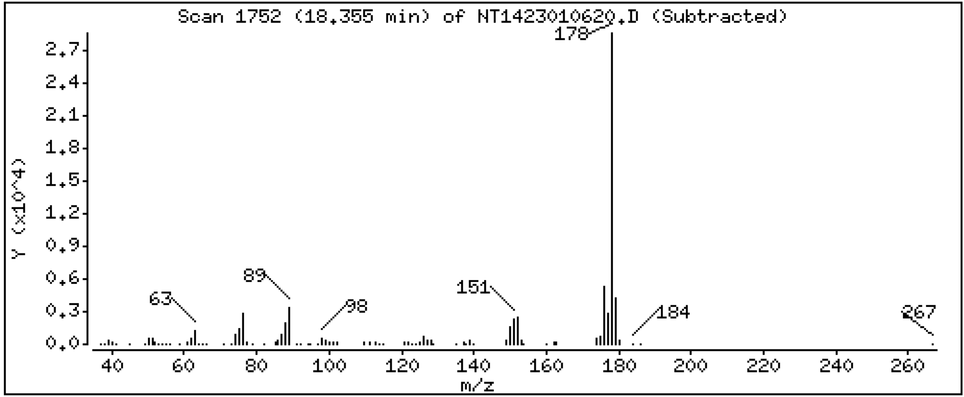
Sample Info: SLA0068-LCV2

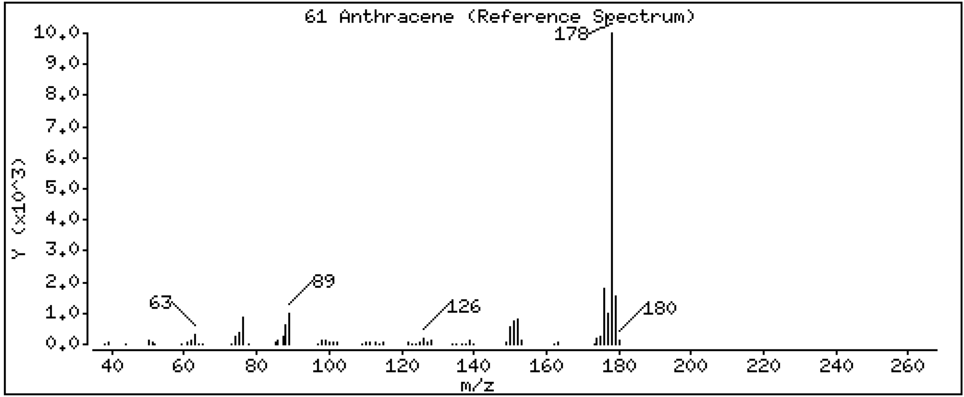
Operator: VTS

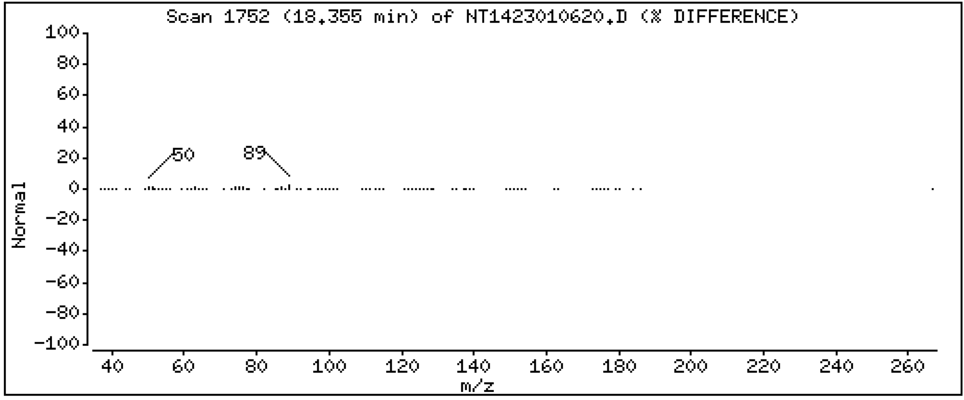
Column phase: ZB-5msi Column diameter: 0.25

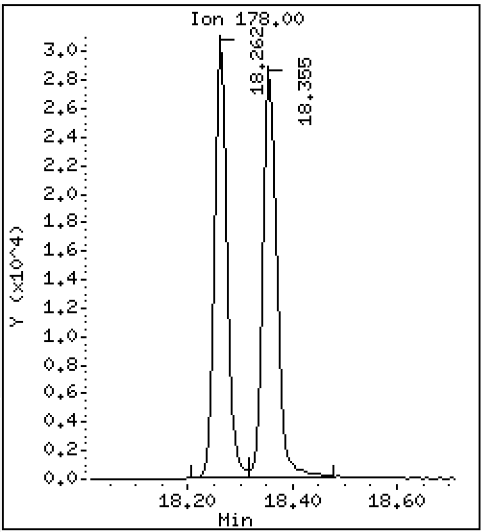
61 Anthracene Concentration: 0.4608 ug/mL

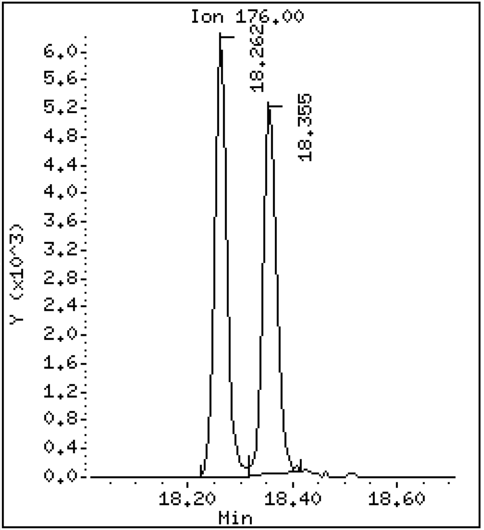

Scan 1752 (18.355 min) of NT1423010620.D

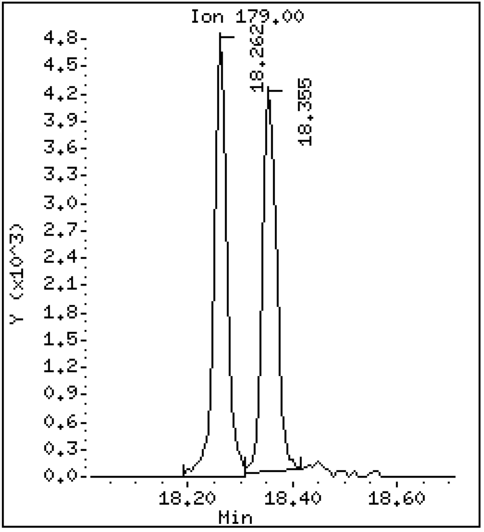

Scan 1752 (18.355 min) of NT1423010620.D (Subtracted)


61 Anthracene (Reference Spectrum)


Scan 1752 (18.355 min) of NT1423010620.D (% DIFFERENCE)


Ion 178.00


Ion 176.00


Ion 179.00

Data File: \\target\share\chem3\nt14.i\20230106.b\NT1423010620.D

Date : 06-JAN-2023 23:03

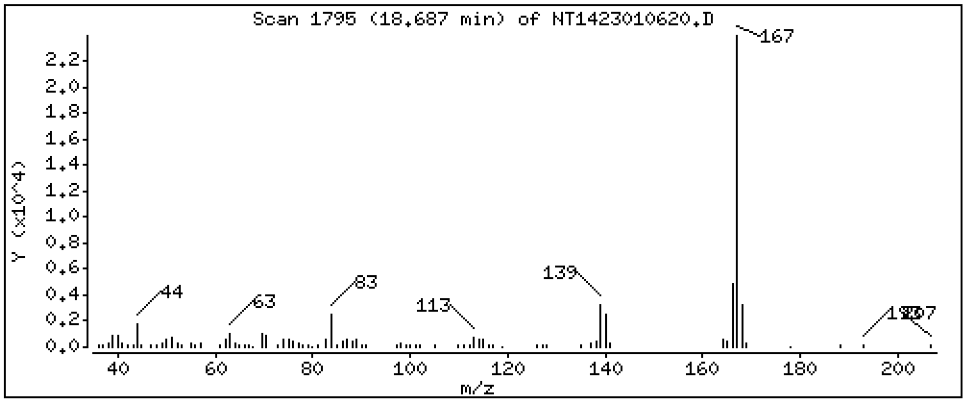
Client ID: Instrument: nt14.i

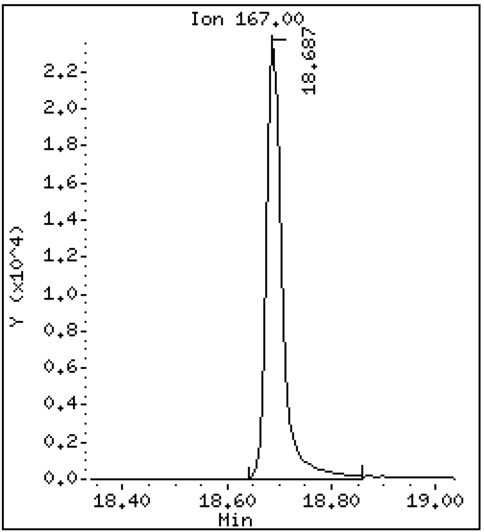
Sample Info: SLA0068-LCV2

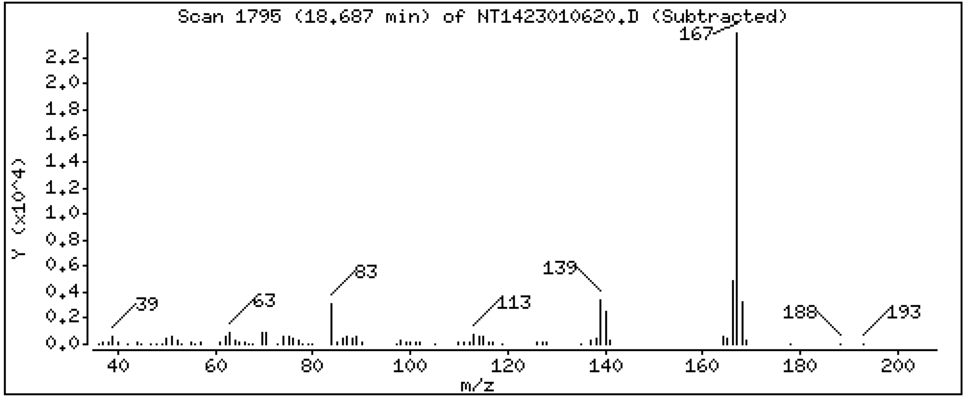
Operator: VTS

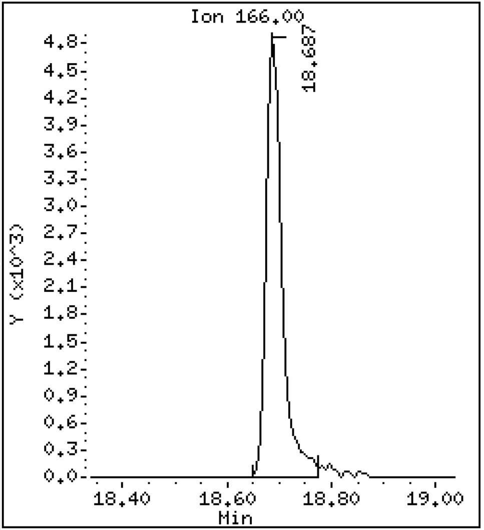
Column phase: ZB-5msi Column diameter: 0.25

62 Carbazole Concentration: 0.4493 ug/mL


Scan 1795 (18.687 min) of NT1423010620.D


Ion 167.00


Scan 1795 (18.687 min) of NT1423010620.D (Subtracted)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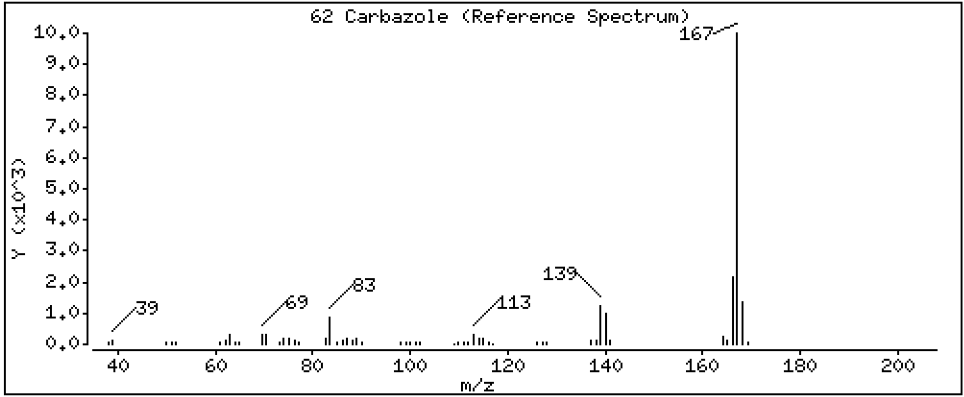
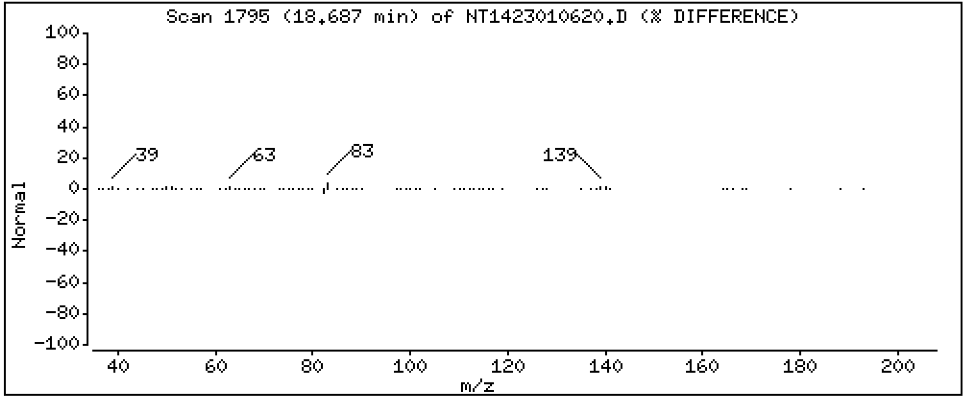
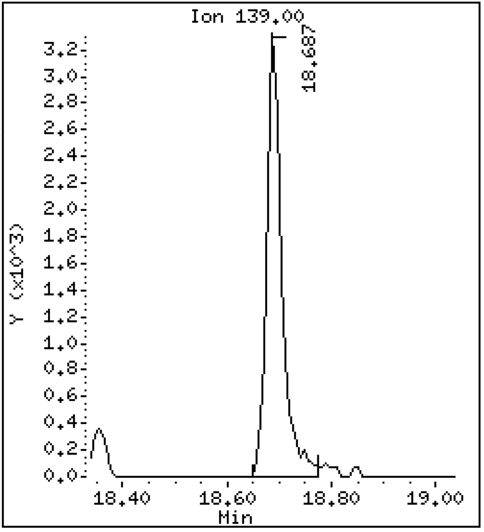

62 Carbazole (Reference Spectrum)


Scan 1795 (18.687 min) of NT1423010620.D (% DIFFERENCE)


Ion 139.00

Data File: \\target\share\chem3\nt14.i\20230106.b\NT1423010620.D

Date : 06-JAN-2023 23:03

Client ID:

Instrument: nt14.i

Sample Info: SLA0068-LCV2

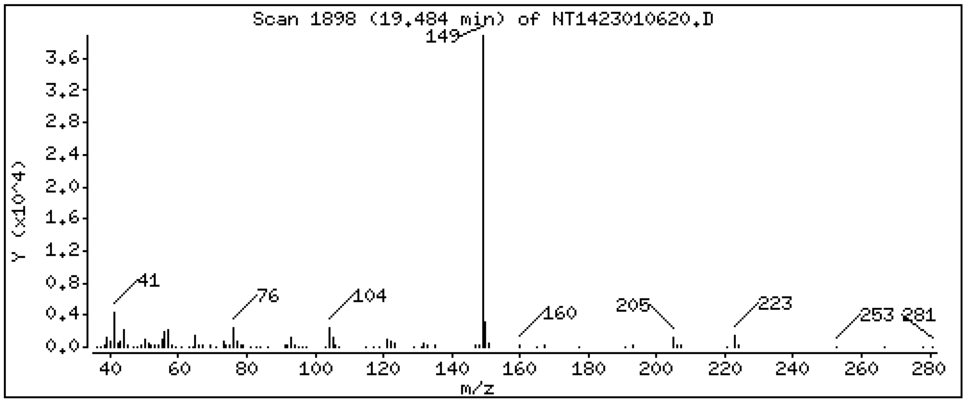
Operator: VTS

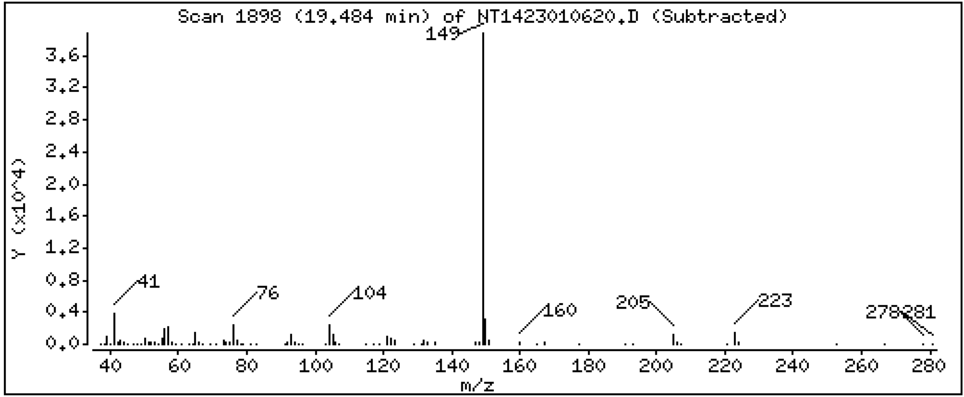
Column phase: ZB-5msi

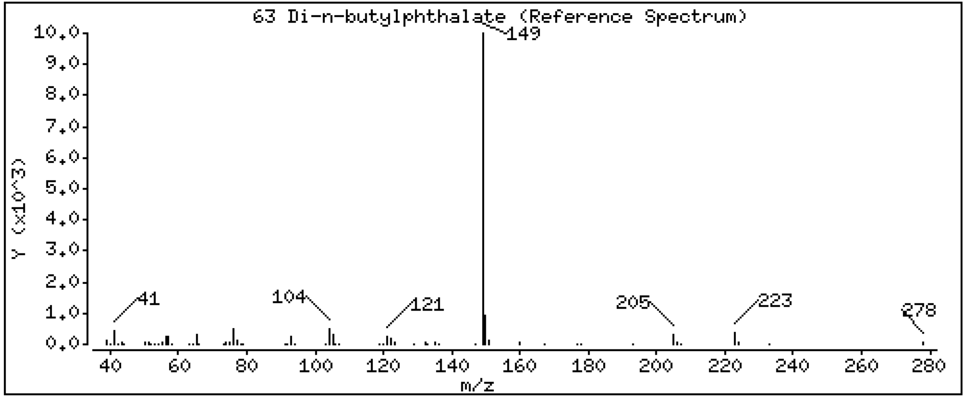
Column diameter: 0.25

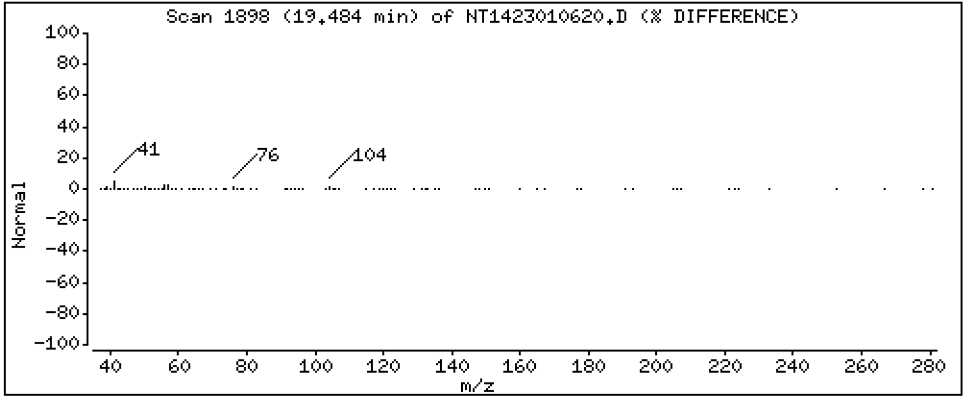
63 Di-n-butylphthalate

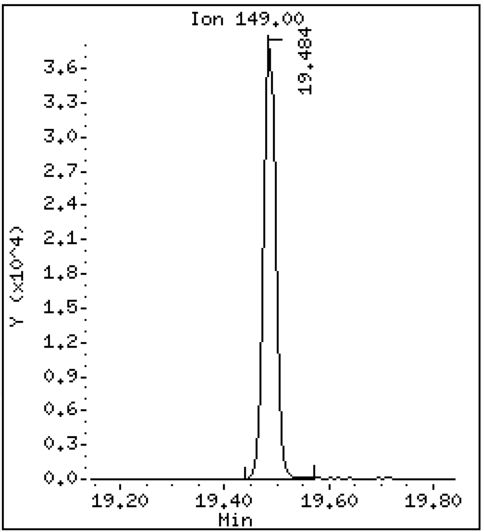
Concentration: 0.4800 ug/mL

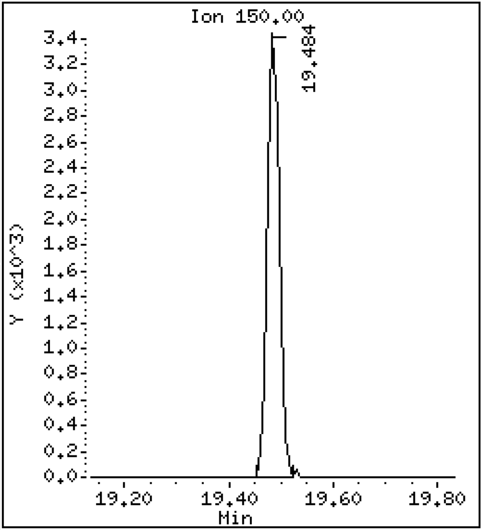

Scan 1898 (19.484 min) of NT1423010620.D

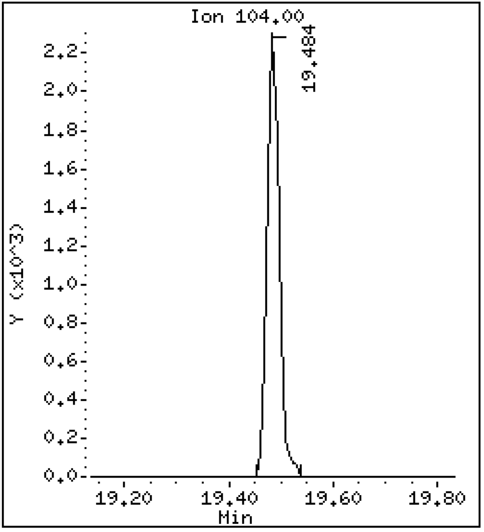

Scan 1898 (19.484 min) of NT1423010620.D (Subtracted)


63 Di-n-butylphthalate (Reference Spectrum)


Scan 1898 (19.484 min) of NT1423010620.D (% DIFFERENCE)


Ion 149.00


Ion 150.00


Ion 104.00

Data File: \\target\share\chem3\nt14.i\20230106.b\NT1423010620.D

Date : 06-JAN-2023 23:03

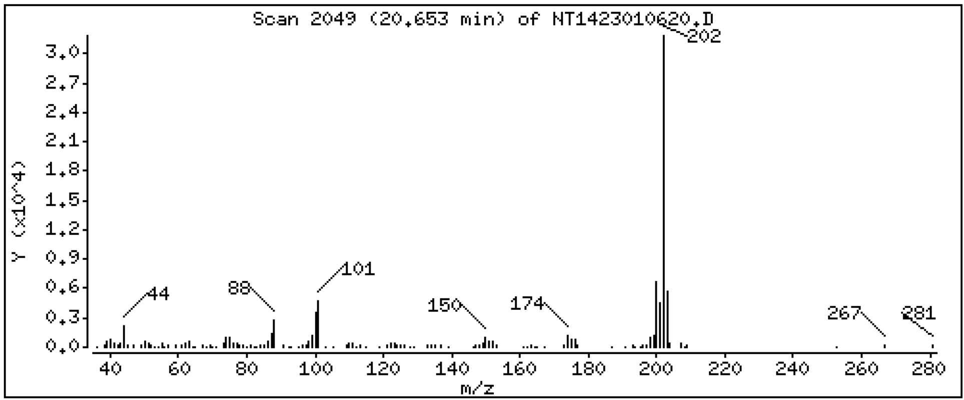
Client ID: Instrument: nt14.i

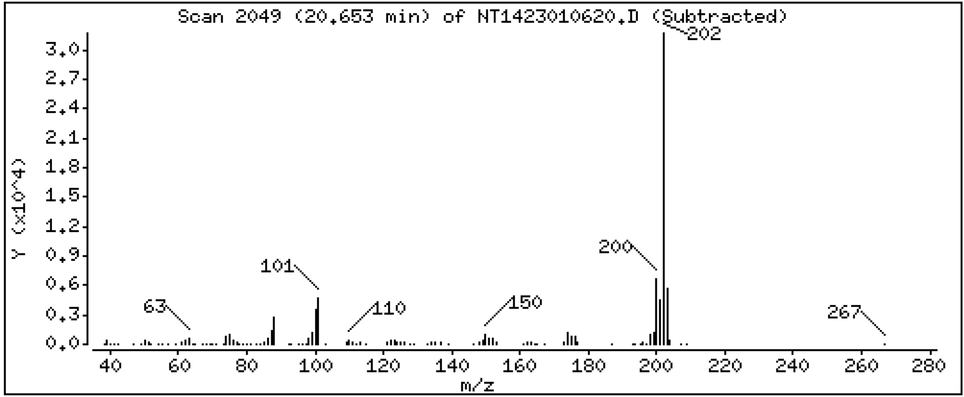
Sample Info: SLA0068-LCV2

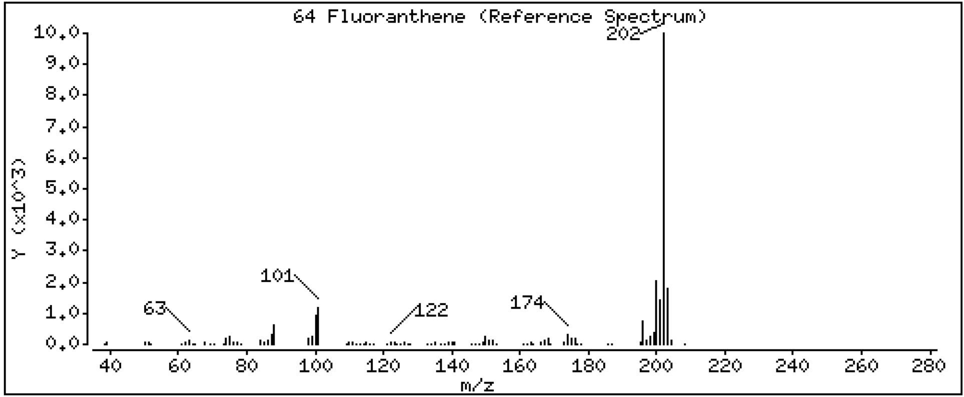
Operator: VTS

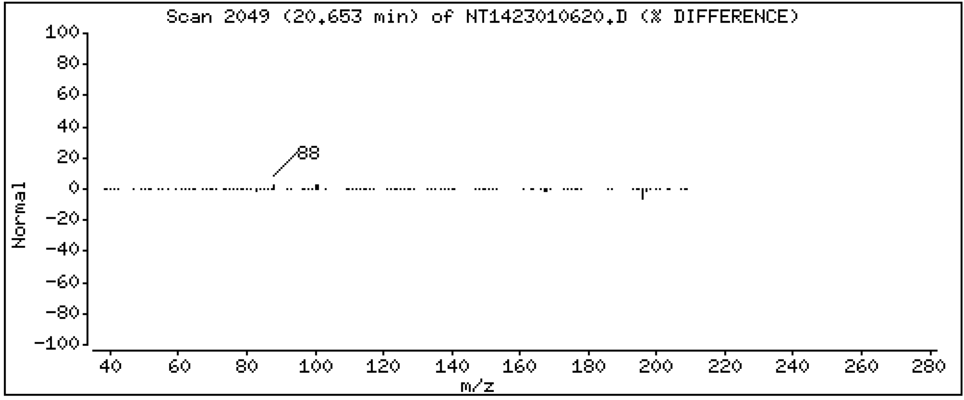
Column phase: ZB-5msi Column diameter: 0.25

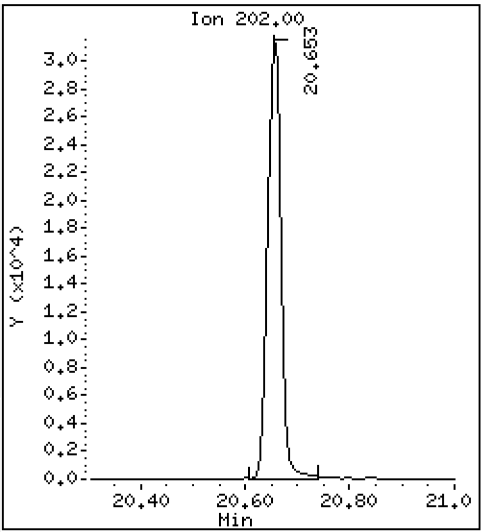
64 Fluoranthene Concentration: 0.4778 ug/mL

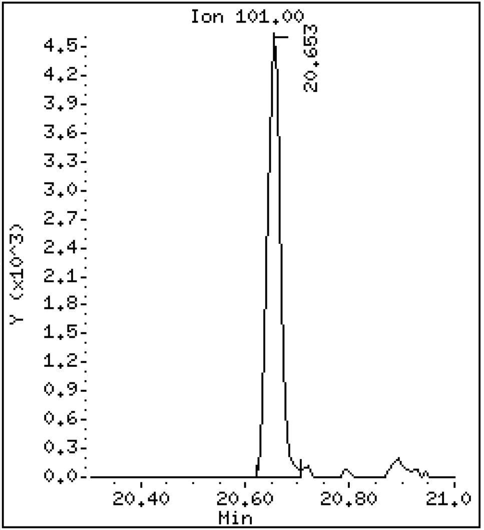

Scan 2049 (20.653 min) of NT1423010620.D

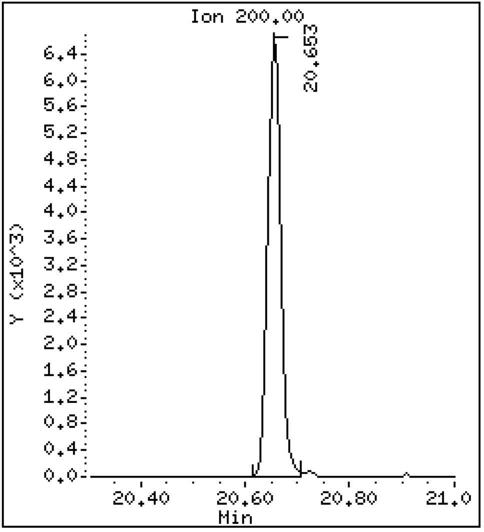

Scan 2049 (20.653 min) of NT1423010620.D (Subtracted)


64 Fluoranthene (Reference Spectrum)


Scan 2049 (20.653 min) of NT1423010620.D (% DIFFERENCE)


Ion 202.00


Ion 101.00


Ion 200.00

Data File: \\target\share\chem3\nt14.i\20230106.b\NT1423010620.D

Date : 06-JAN-2023 23:03

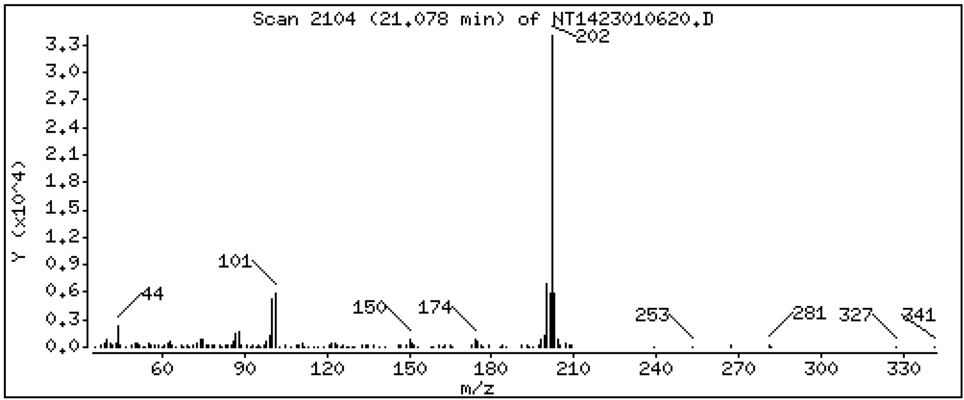
Client ID: Instrument: nt14.i

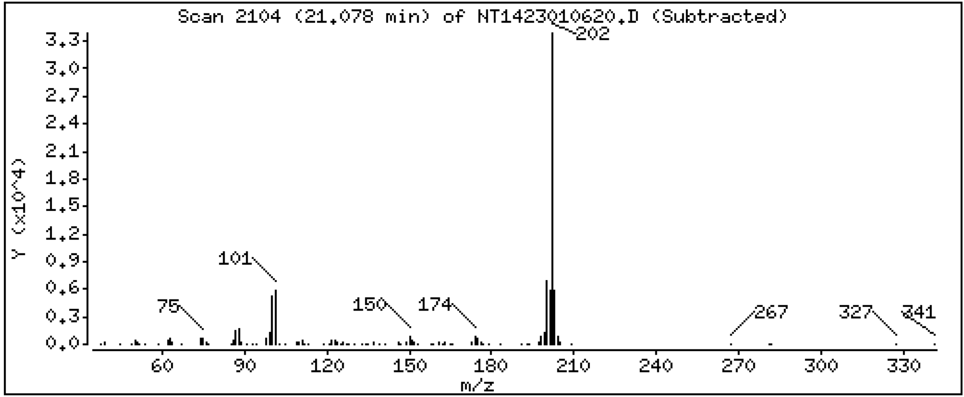
Sample Info: SLA0068-LCV2

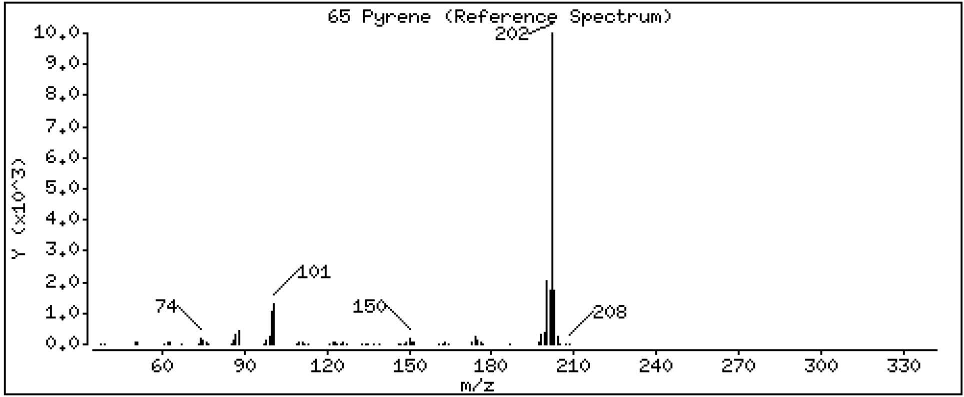
Operator: VTS

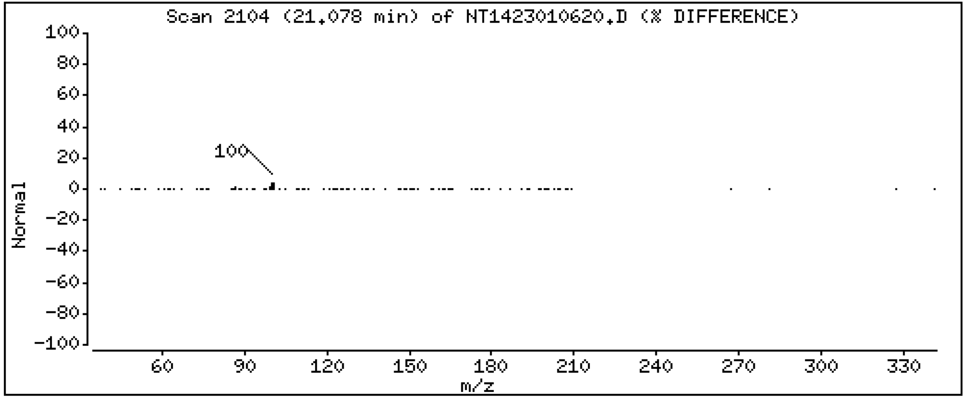
Column phase: ZB-5msi Column diameter: 0.25

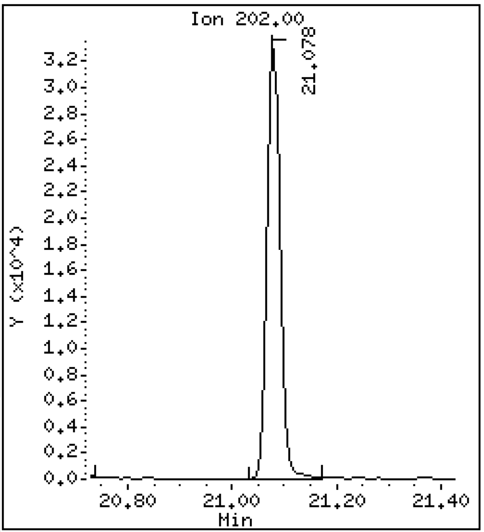
65 Pyrene Concentration: 0.4775 ug/mL

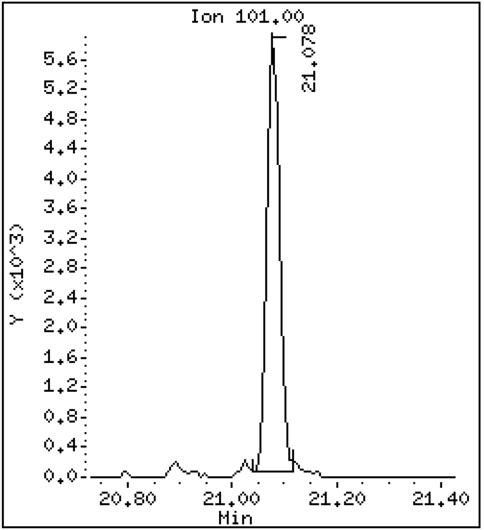


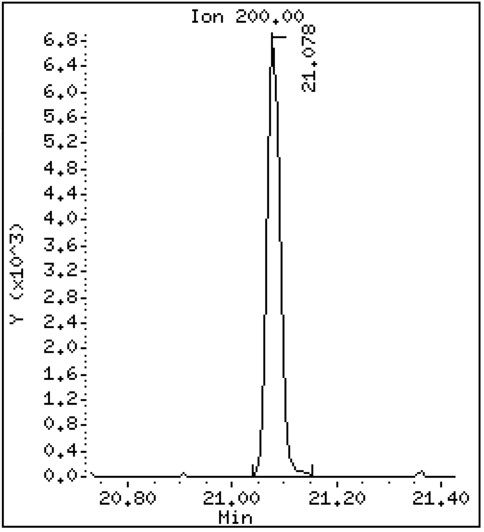












Data File: \\target\share\chem3\nt14.i\20230106.b\NT1423010620.D

Date : 06-JAN-2023 23:03

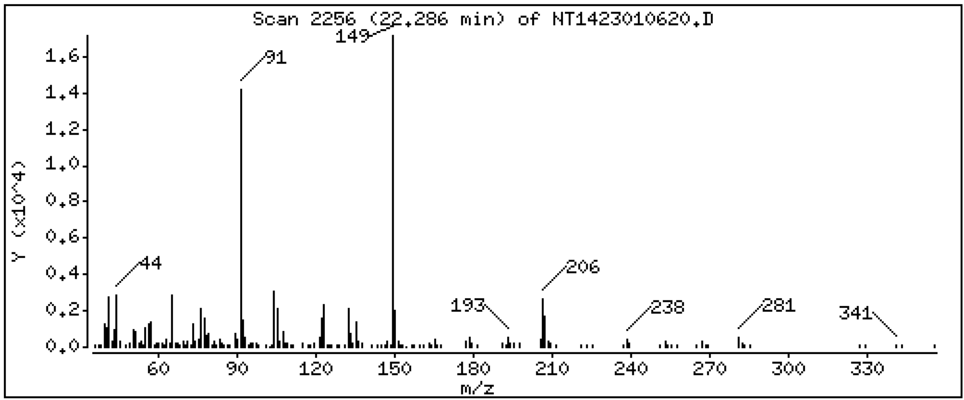
Client ID: Instrument: nt14.i

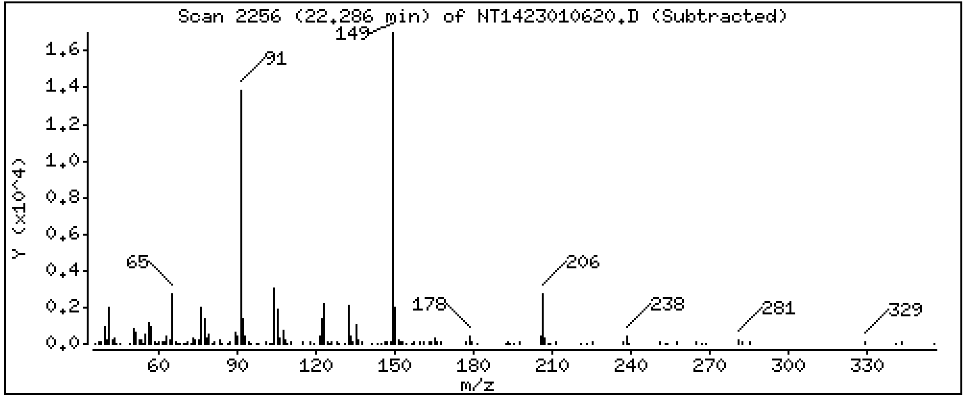
Sample Info: SLA0068-LCV2

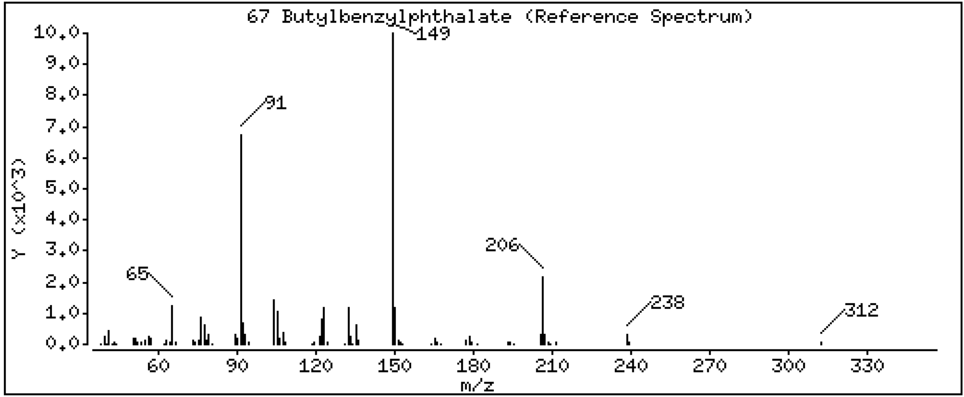
Operator: VTS

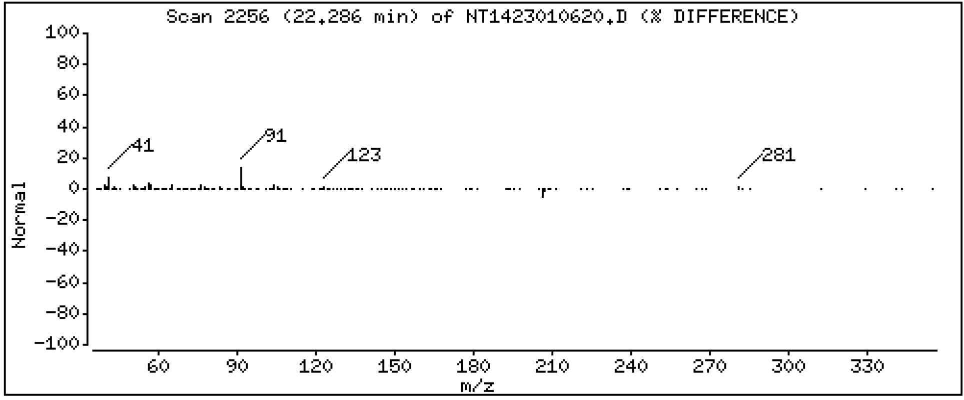
Column phase: ZB-5msi Column diameter: 0.25

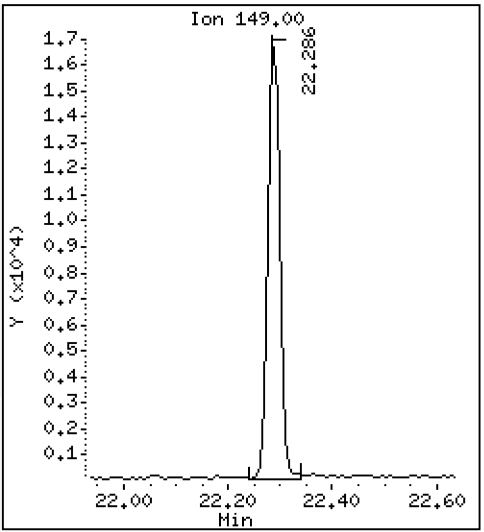
67 Butylbenzylphthalate Concentration: 0.5680 ug/mL

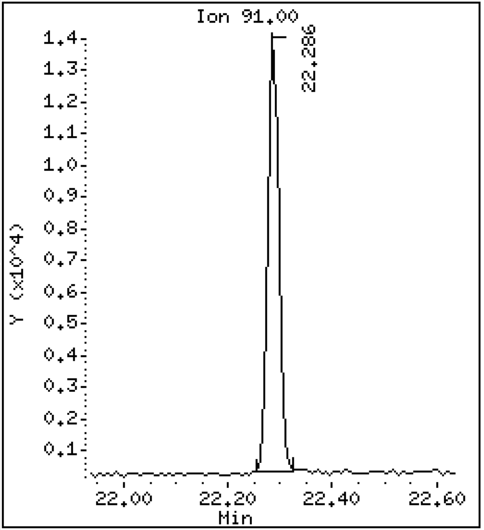

Scan 2256 (22.286 min) of NT1423010620.D

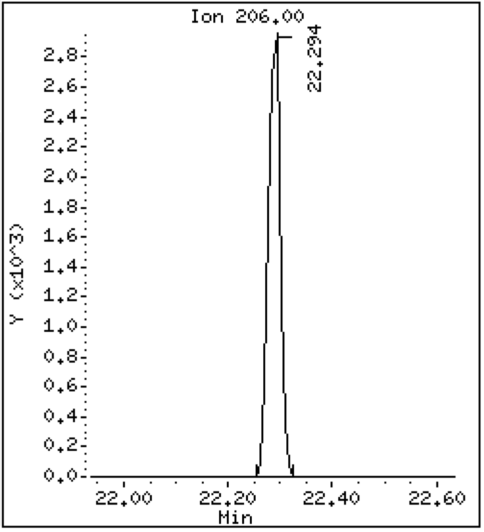

Scan 2256 (22.286 min) of NT1423010620.D (Subtracted)


67 Butylbenzylphthalate (Reference Spectrum)


Scan 2256 (22.286 min) of NT1423010620.D (% DIFFERENCE)


Ion 149.00


Ion 91.00


Ion 206.00

Data File: \\target\share\chem3\nt14.i\20230106.b\NT1423010620.D

Date : 06-JAN-2023 23:03

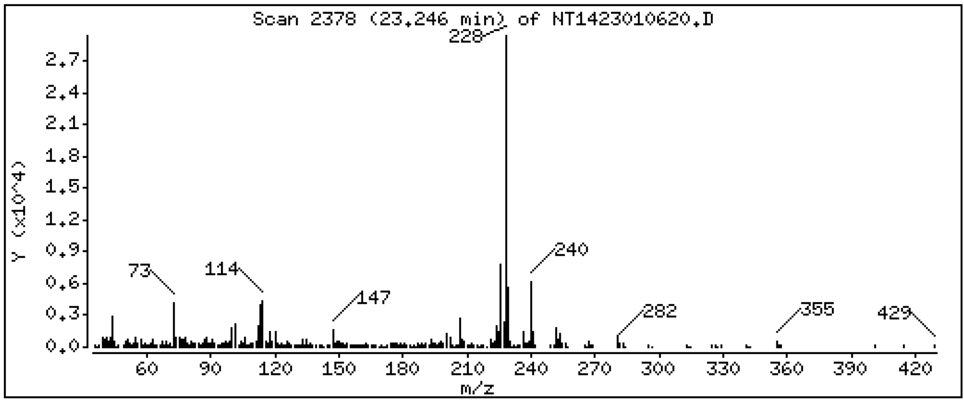
Client ID: Instrument: nt14.i

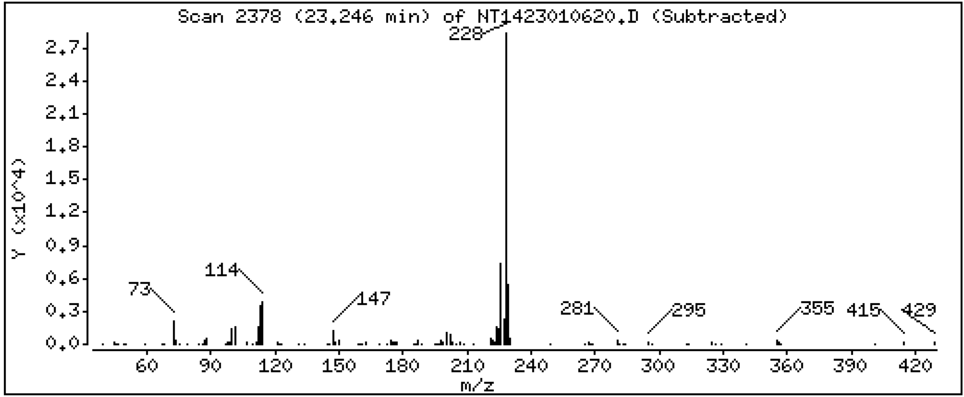
Sample Info: SLA0068-LCV2

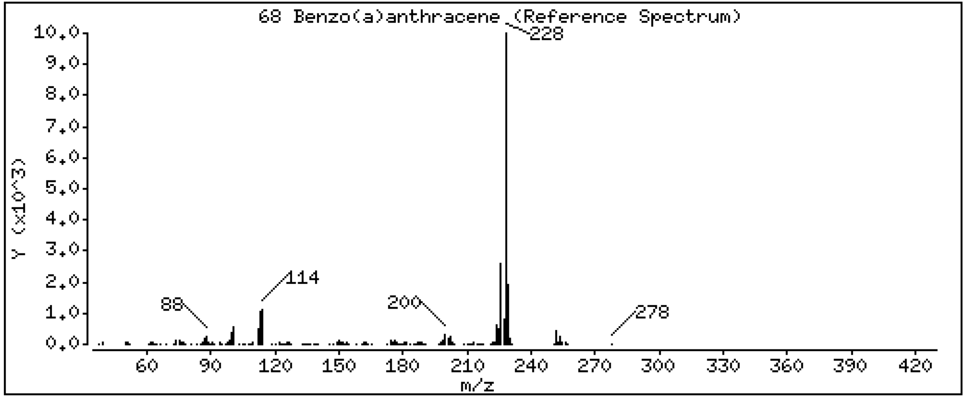
Operator: VTS

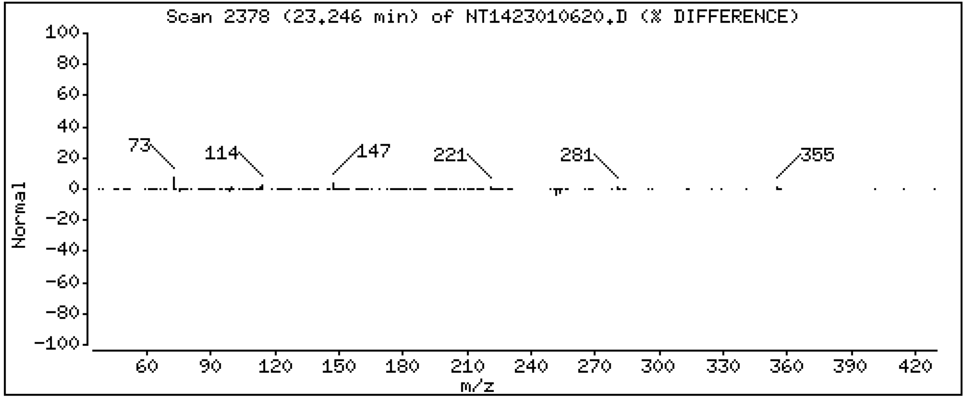
Column phase: ZB-5msi Column diameter: 0.25

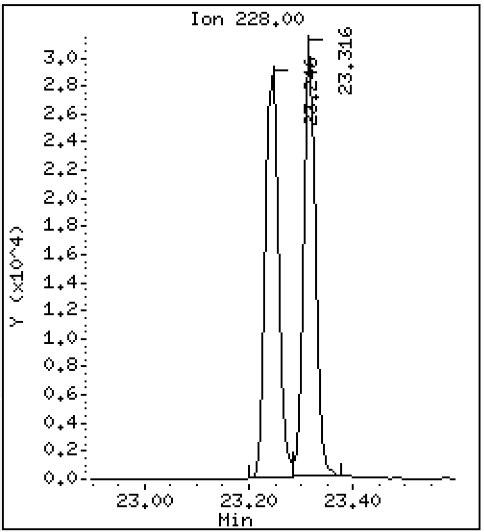
68 Benzo(a)anthracene Concentration: 0.4619 ug/mL

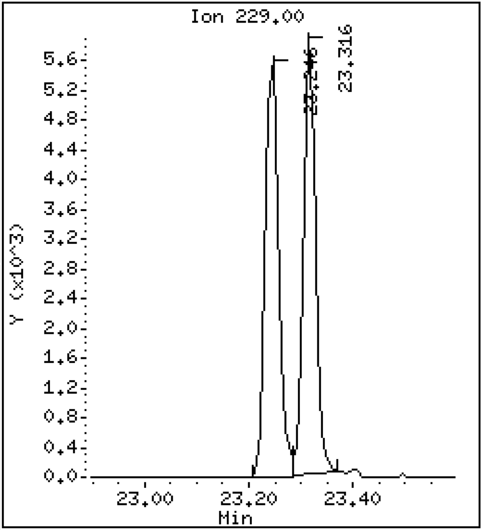

Scan 2378 (23.246 min) of NT1423010620.D

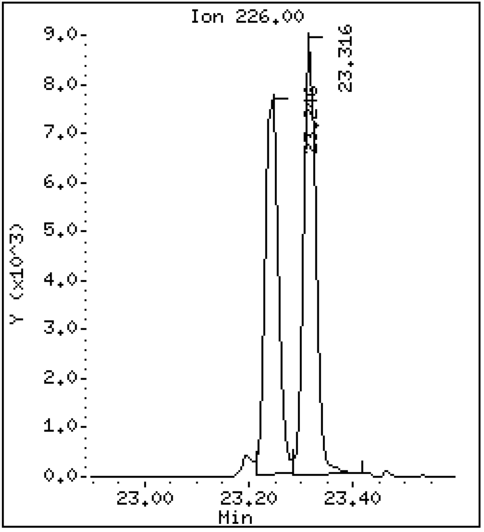

Scan 2378 (23.246 min) of NT1423010620.D (Subtracted)


68 Benzo(a)anthracene (Reference Spectrum)


Scan 2378 (23.246 min) of NT1423010620.D (% DIFFERENCE)


Ion 228.00


Ion 229.00


Ion 226.00

Data File: \\target\share\chem3\nt14.i\20230106.b\NT1423010620.D

Date : 06-JAN-2023 23:03

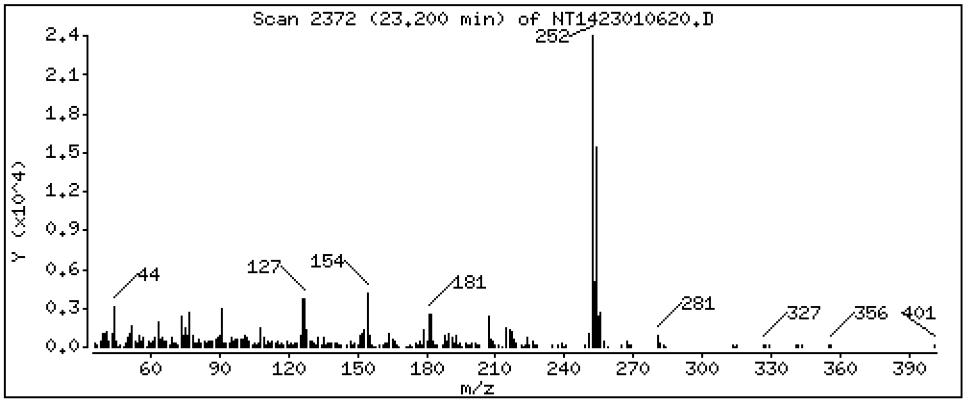
Client ID: Instrument: nt14.i

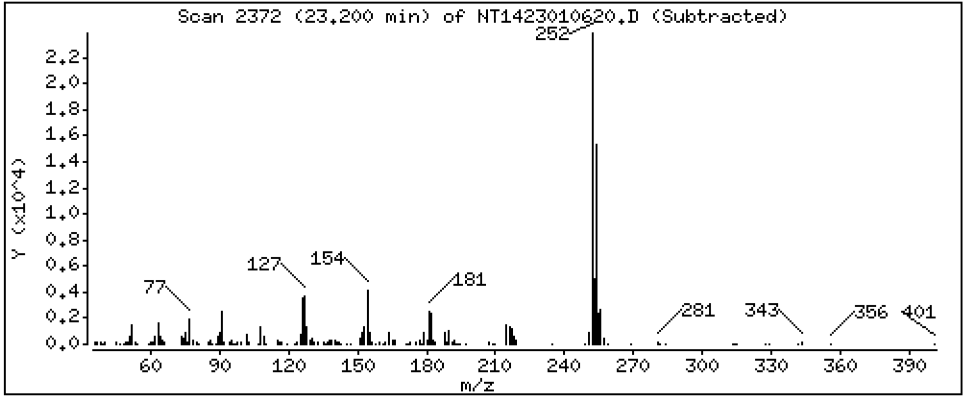
Sample Info: SLA0068-LCV2

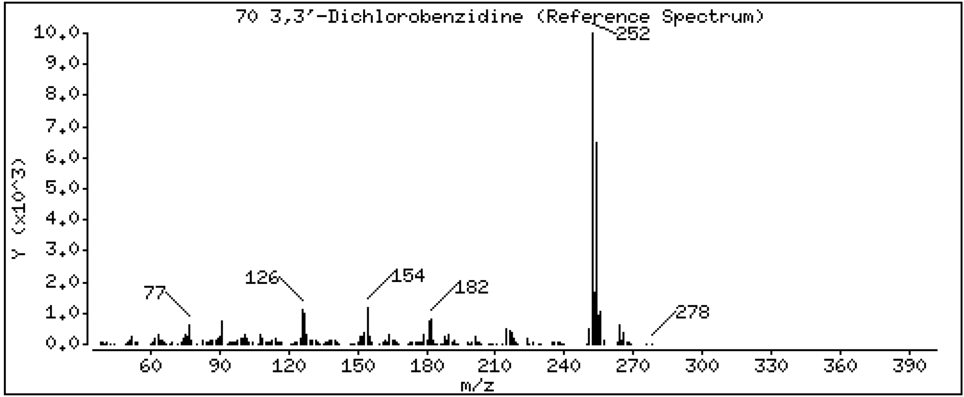
Operator: VTS

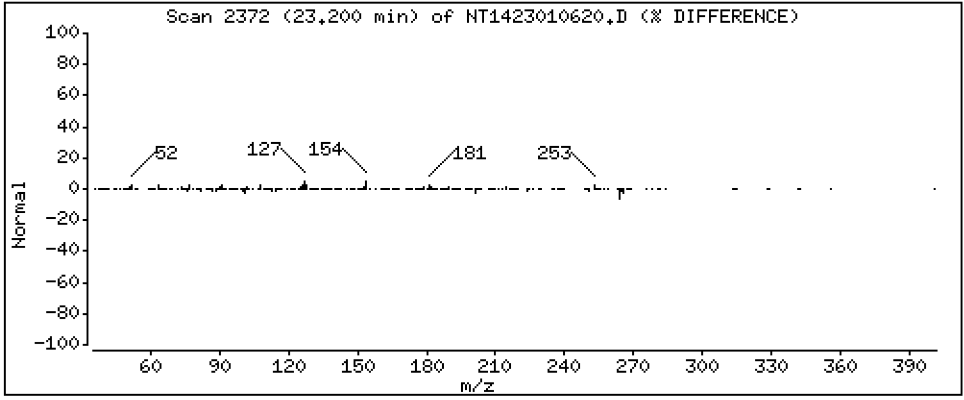
Column phase: ZB-5msi Column diameter: 0.25

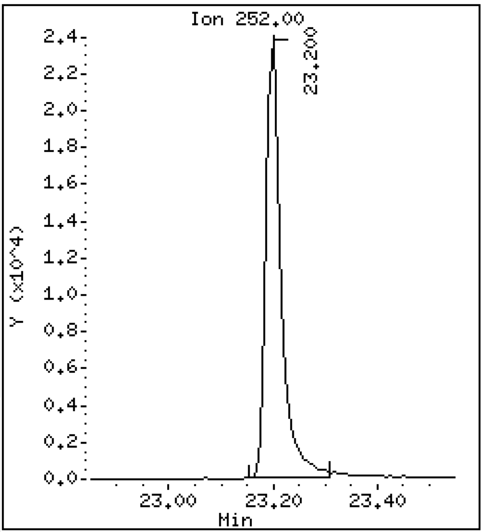
70 3,3'-Dichlorobenzidine Concentration: 1.470 ug/mL

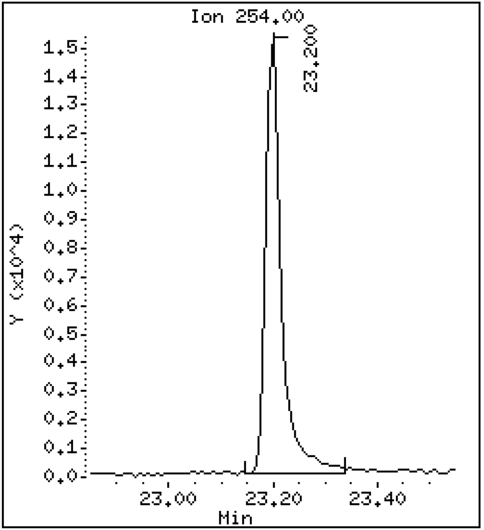

Scan 2372 (23.200 min) of NT1423010620.D

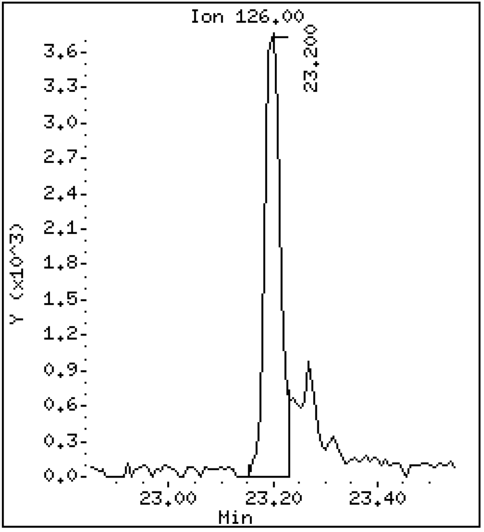

Scan 2372 (23.200 min) of NT1423010620.D (Subtracted)


70 3,3'-Dichlorobenzidine (Reference Spectrum)


Scan 2372 (23.200 min) of NT1423010620.D (% DIFFERENCE)


Ion 252.00


Ion 254.00


Ion 126.00

Data File: \\target\share\chem3\nt14.i\20230106.b\NT1423010620.D

Date : 06-JAN-2023 23:03

Client ID:

Instrument: nt14.i

Sample Info: SLA0068-LCV2

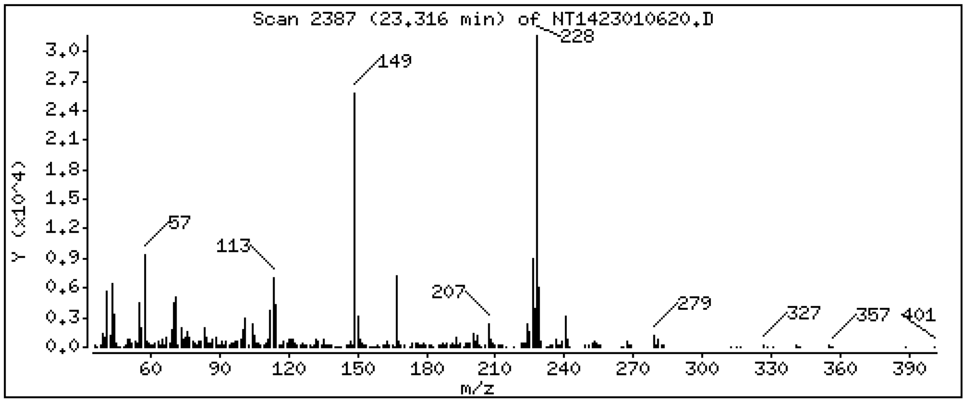
Operator: VTS

Column phase: ZB-5msi

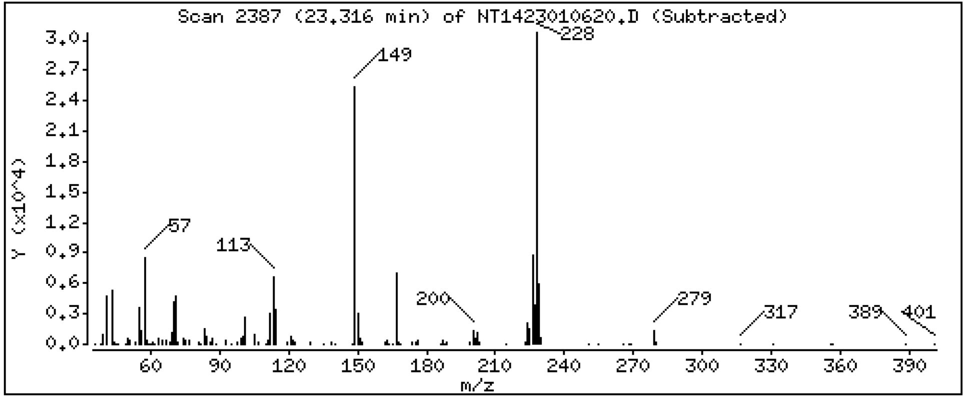
Column diameter: 0.25

71 Chrysene

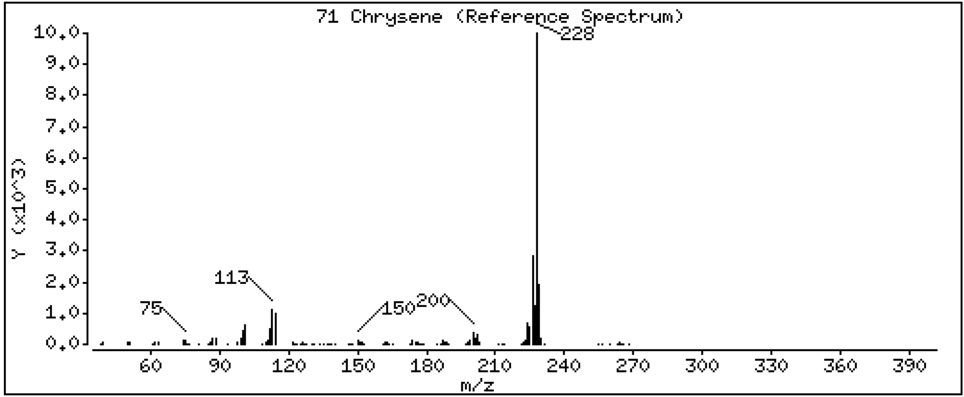
Concentration: 0.4589 ug/mL



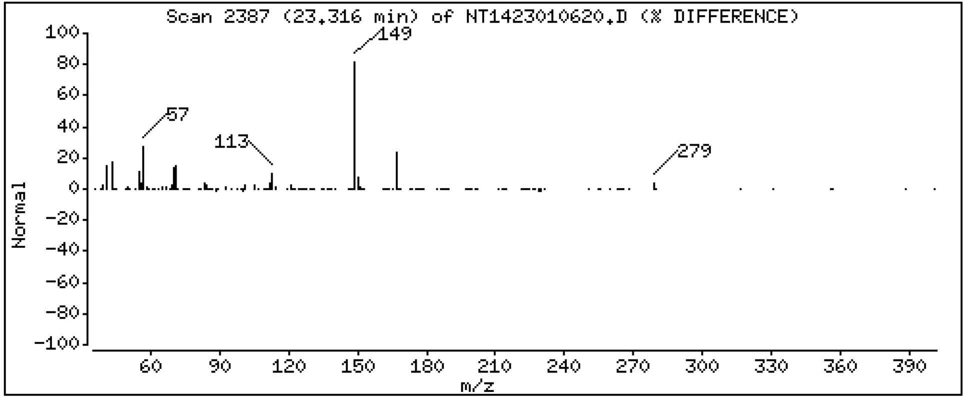
Scan 2387 (23.316 min) of NT1423010620.D



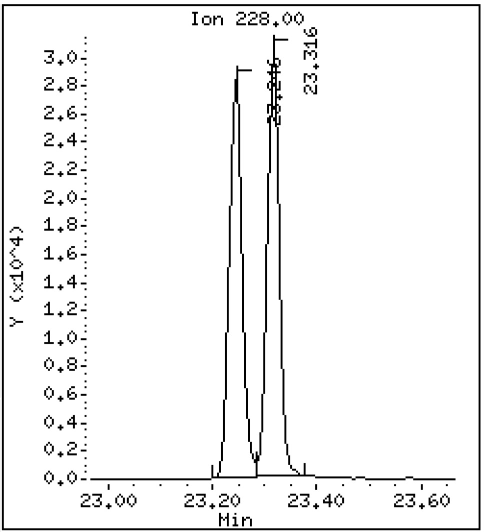
Scan 2387 (23.316 min) of NT1423010620.D (Subtracted)



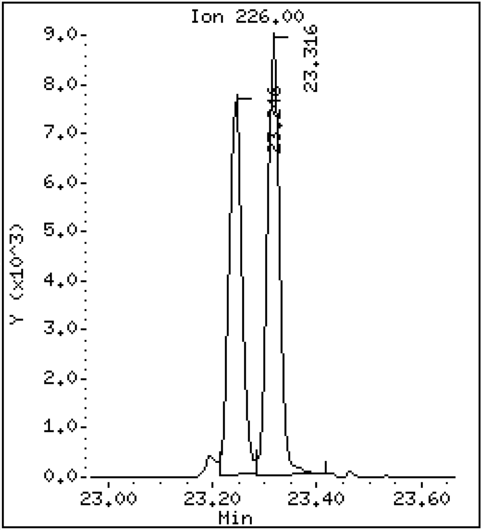
71 Chrysene (Reference Spectrum)



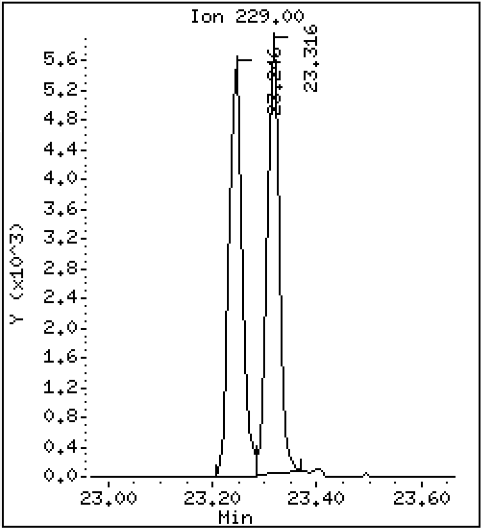
Scan 2387 (23.316 min) of NT1423010620.D (% DIFFERENCE)



Ion 228.00



Ion 226.00



Ion 229.00

Data File: \\target\share\chem3\nt14.i\20230106.b\NT1423010620.D

Date : 06-JAN-2023 23:03

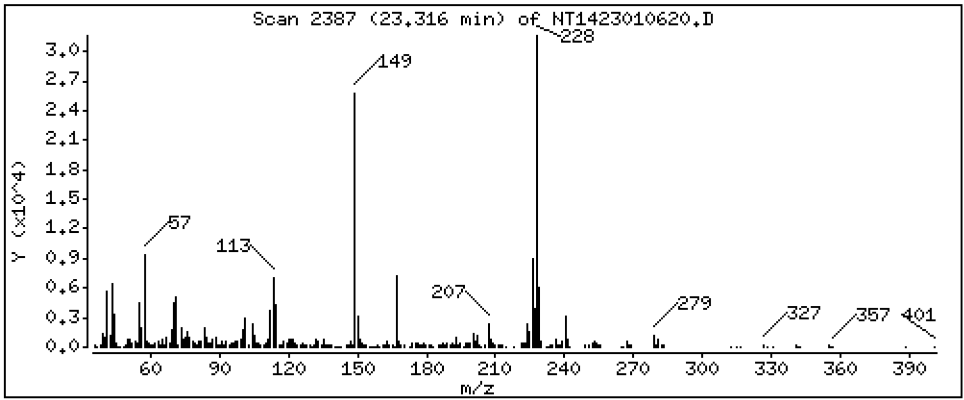
Client ID: Instrument: nt14.i

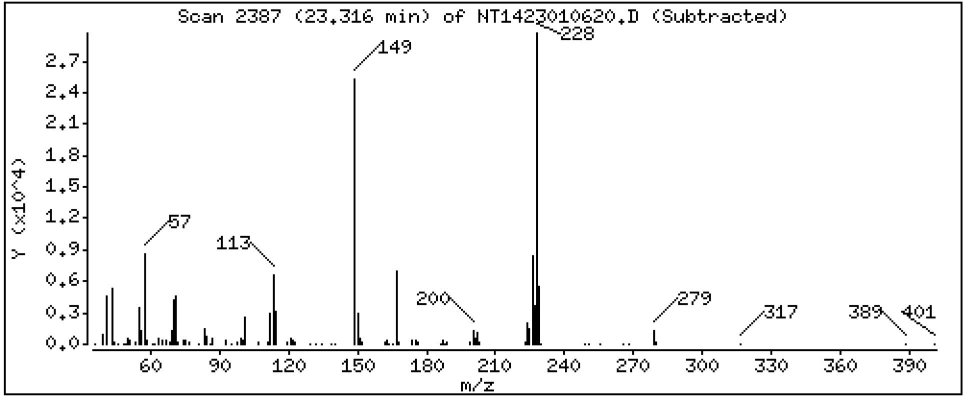
Sample Info: SLA0068-LCV2

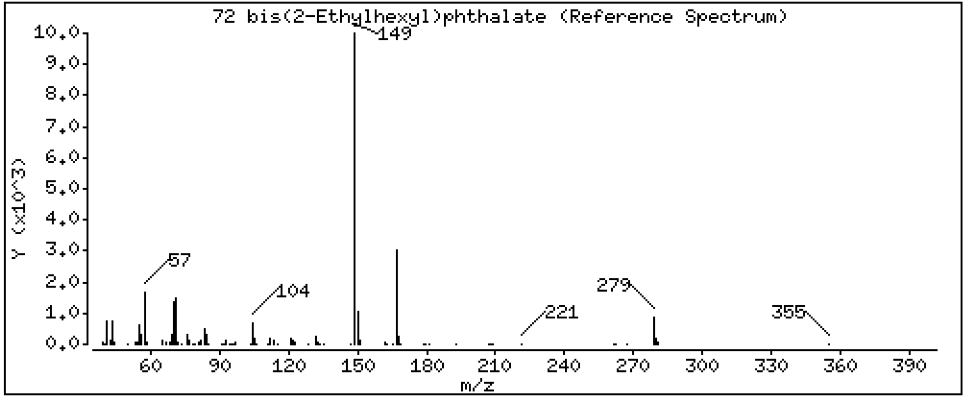
Operator: VTS

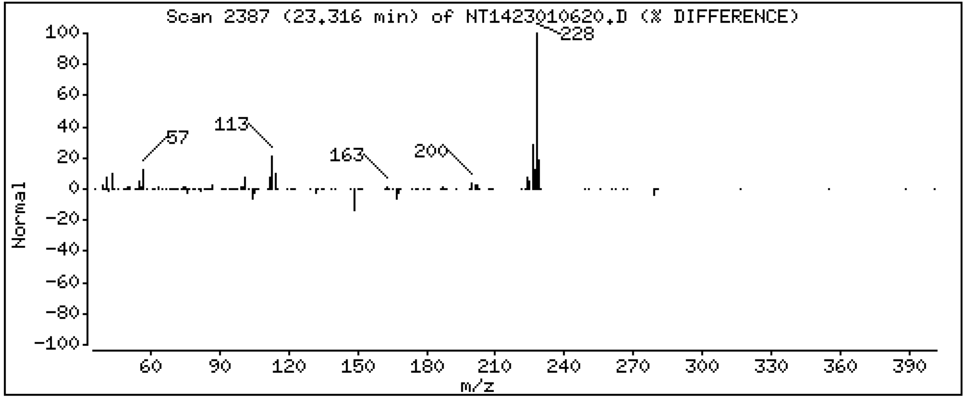
Column phase: ZB-5msi Column diameter: 0.25

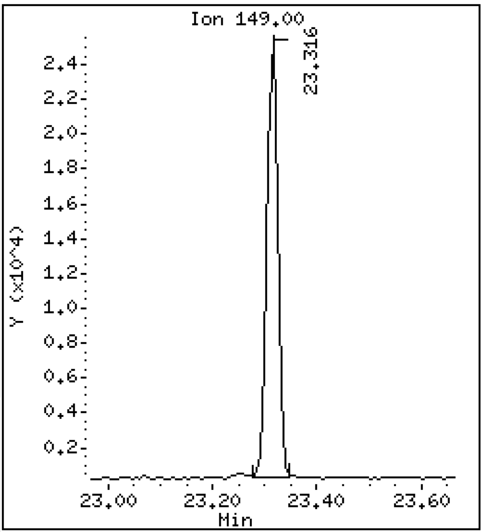
72 bis(2-Ethylhexyl)phthalate Concentration: 0.5058 ug/mL

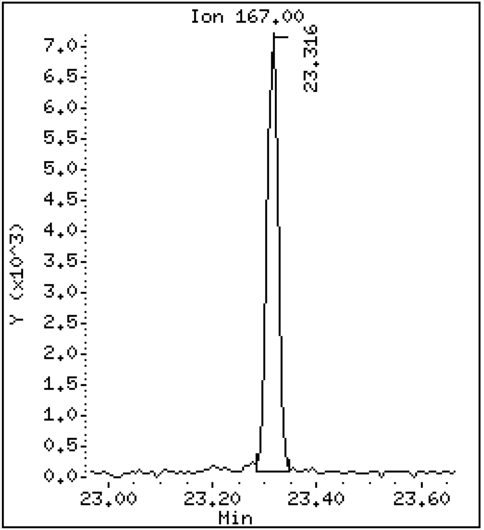

Scan 2387 (23.316 min) of NT1423010620.D

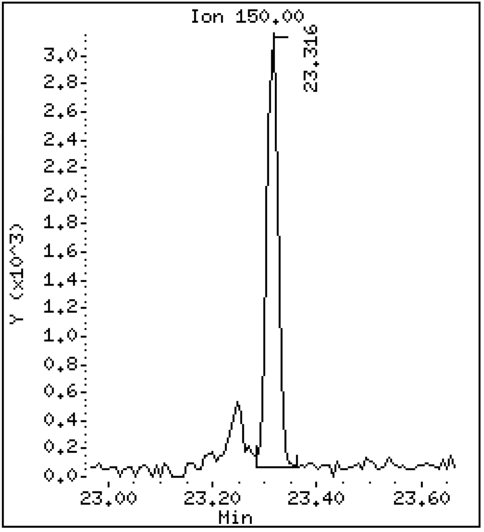

Scan 2387 (23.316 min) of NT1423010620.D (Subtracted)


72 bis(2-Ethylhexyl)phthalate (Reference Spectrum)


Scan 2387 (23.316 min) of NT1423010620.D (% DIFFERENCE)


Ion 149.00


Ion 167.00


Ion 150.00

Data File: \\target\share\chem3\nt14.i\20230106.b\NT1423010620.D

Date : 06-JAN-2023 23:03

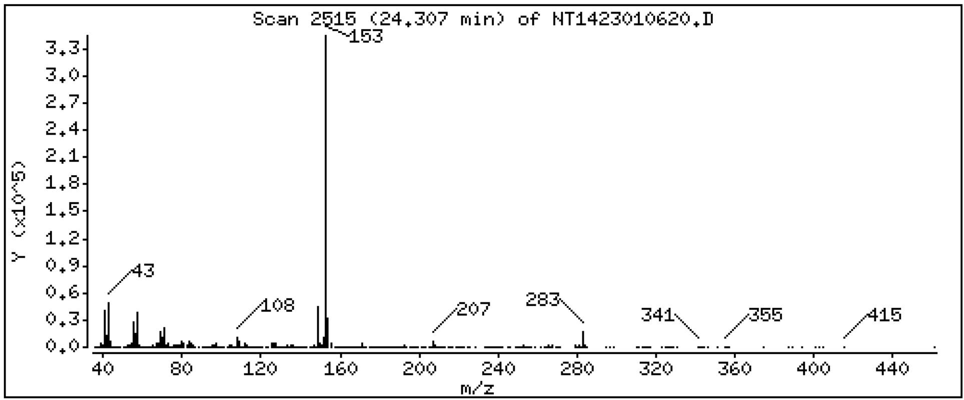
Client ID: Instrument: nt14.i

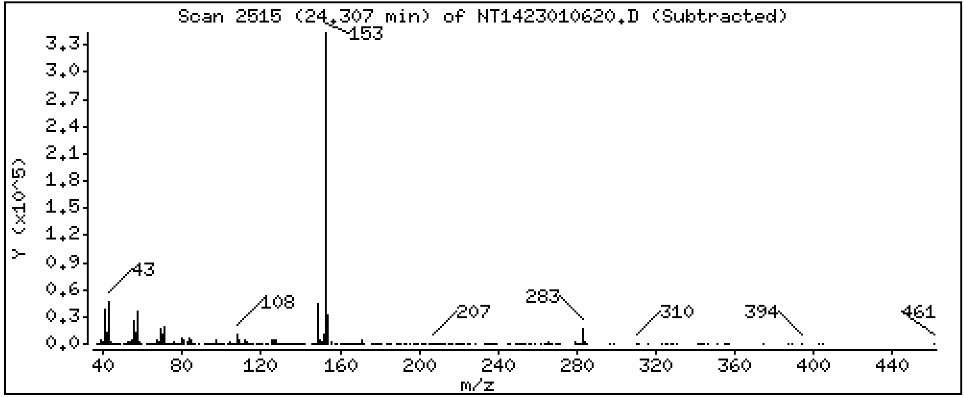
Sample Info: SLA0068-LCV2

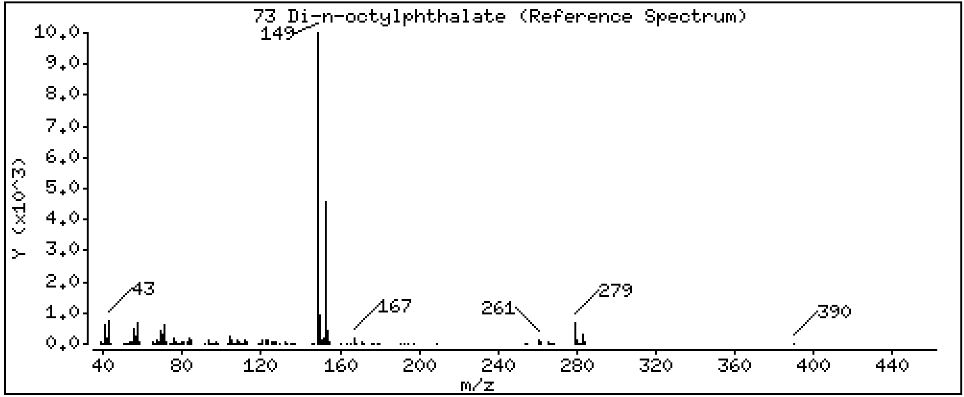
Operator: VTS

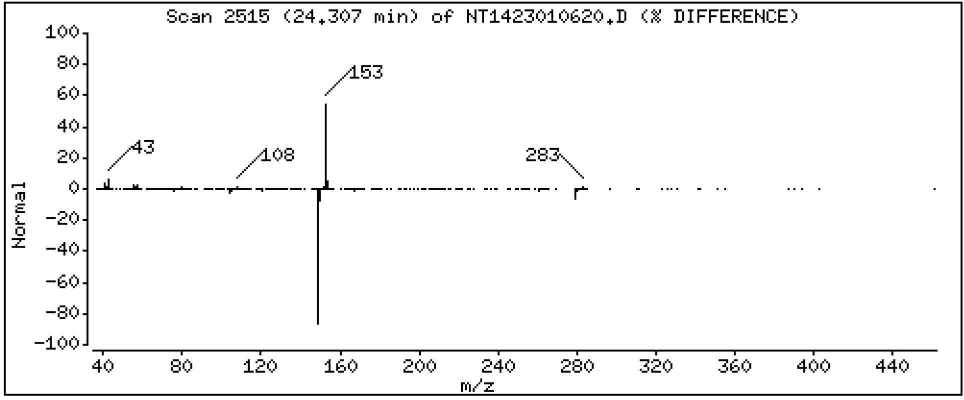
Column phase: ZB-5msi Column diameter: 0.25

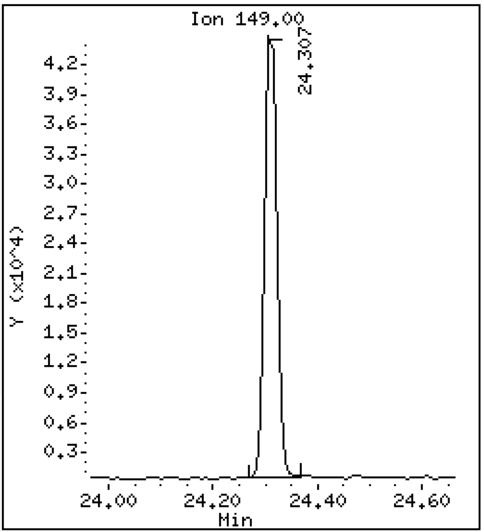
73 Di-n-octylphthalate Concentration: 0.4726 ug/mL

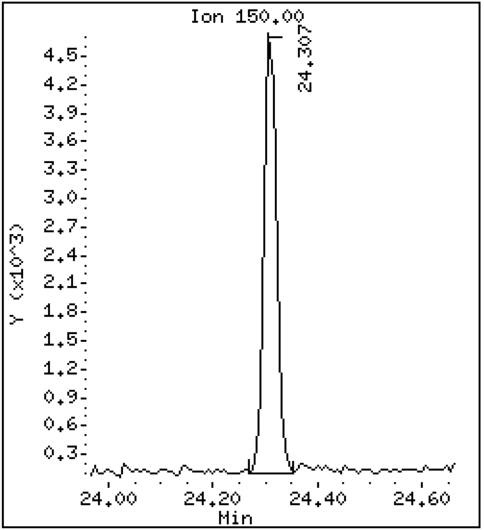

Scan 2515 (24.307 min) of NT1423010620.D

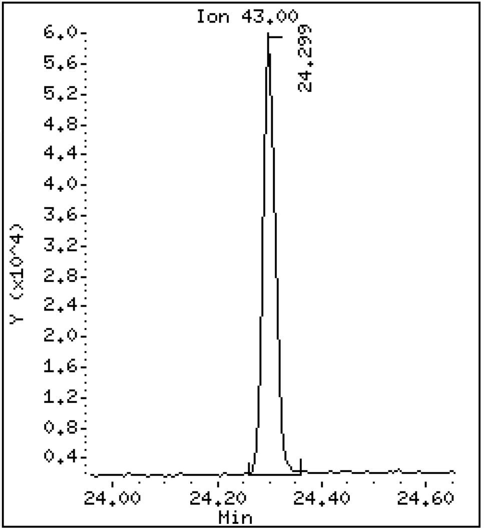

Scan 2515 (24.307 min) of NT1423010620.D (Subtracted)


73 Di-n-octylphthalate (Reference Spectrum)


Scan 2515 (24.307 min) of NT1423010620.D (% DIFFERENCE)


Ion 149.00


Ion 150.00


Ion 43.00

Data File: \\target\share\chem3\nt14.i\20230106.b\NT1423010620.D

Date : 06-JAN-2023 23:03

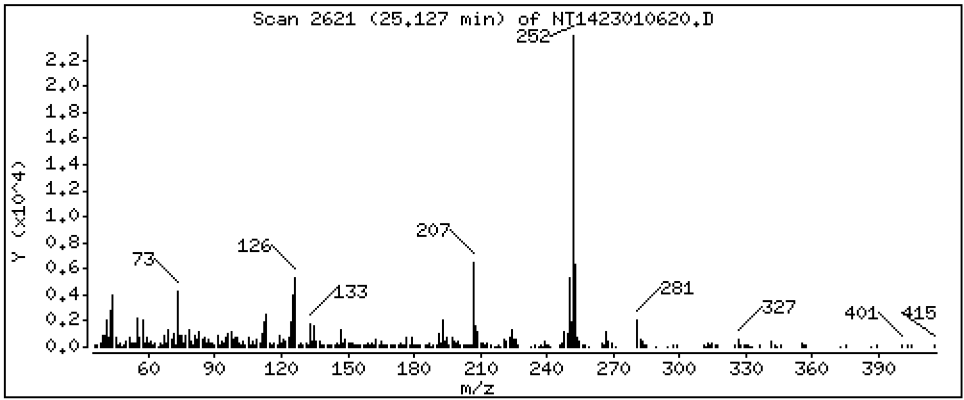
Client ID: Instrument: nt14.i

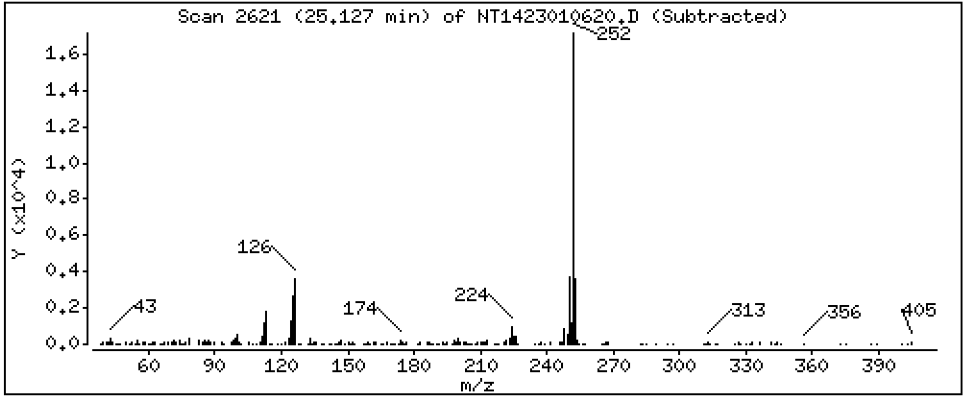
Sample Info: SLA0068-LCV2

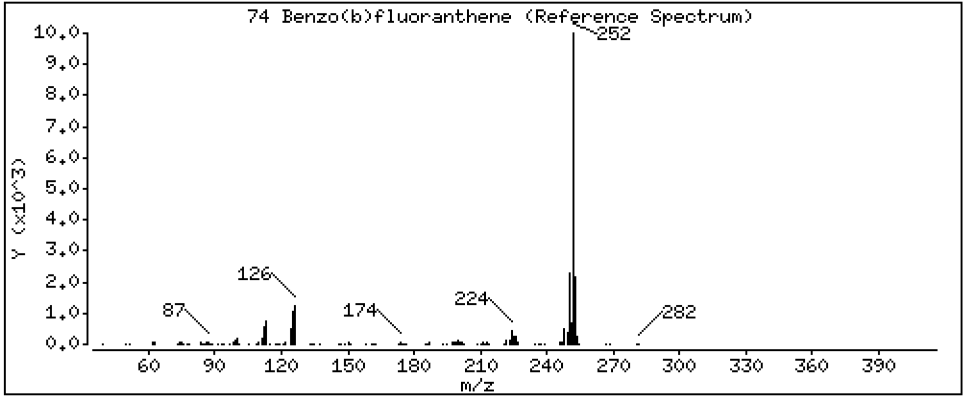
Operator: VTS

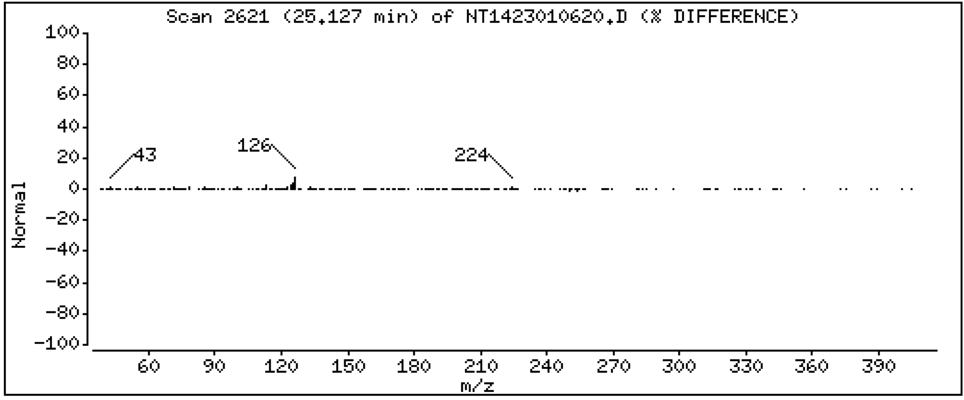
Column phase: ZB-5msi Column diameter: 0.25

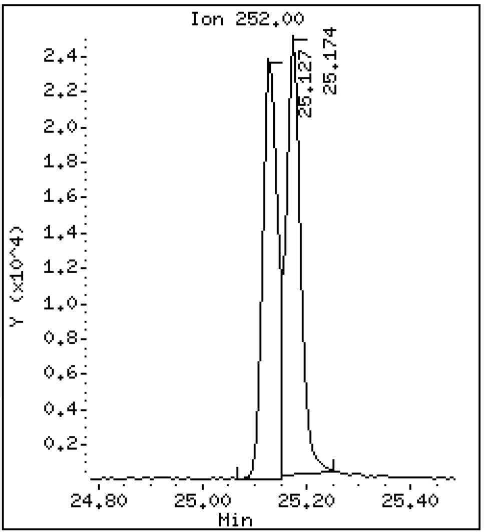
74 Benzo(b)fluoranthene Concentration: 0.4056 ug/mL

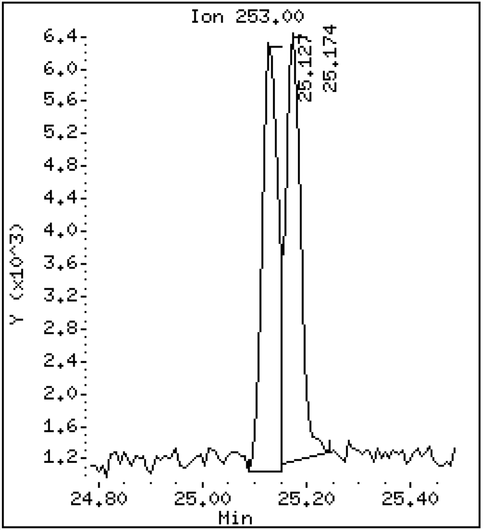

Scan 2621 (25.127 min) of NT1423010620.D

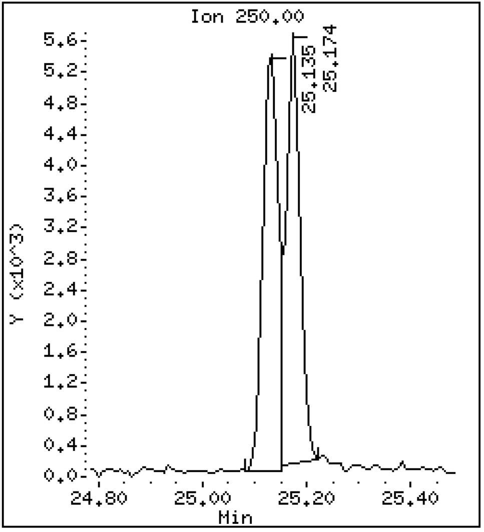

Scan 2621 (25.127 min) of NT1423010620.D (Subtracted)


74 Benzo(b)fluoranthene (Reference Spectrum)


Scan 2621 (25.127 min) of NT1423010620.D (% DIFFERENCE)


Ion 252.00


Ion 253.00


Ion 250.00

Data File: \\target\share\chem3\nt14.i\20230106.b\NT1423010620.D

Date : 06-JAN-2023 23:03

Client ID:

Instrument: nt14.i

Sample Info: SLA0068-LCV2

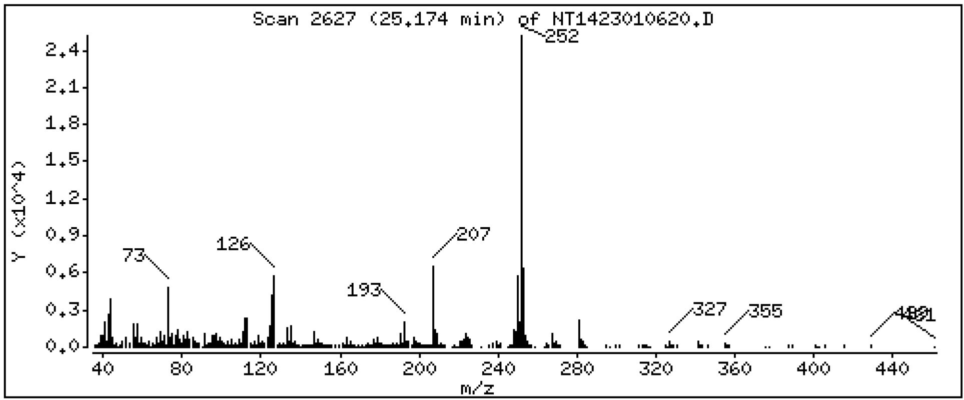
Operator: VTS

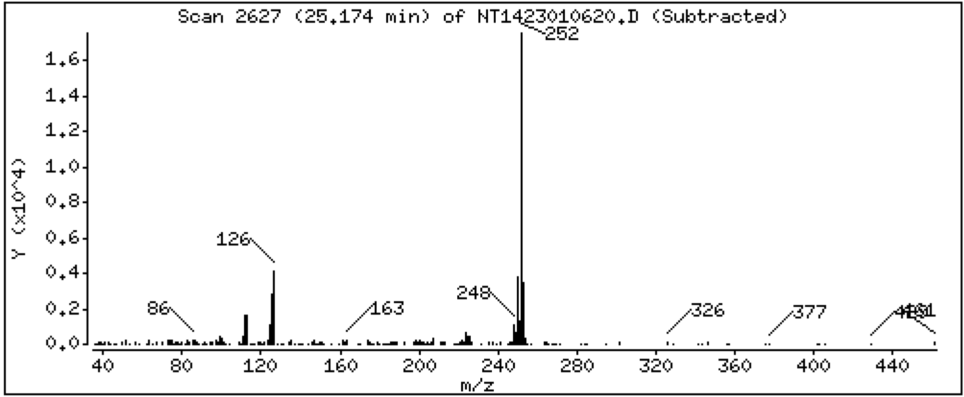
Column phase: ZB-5msi

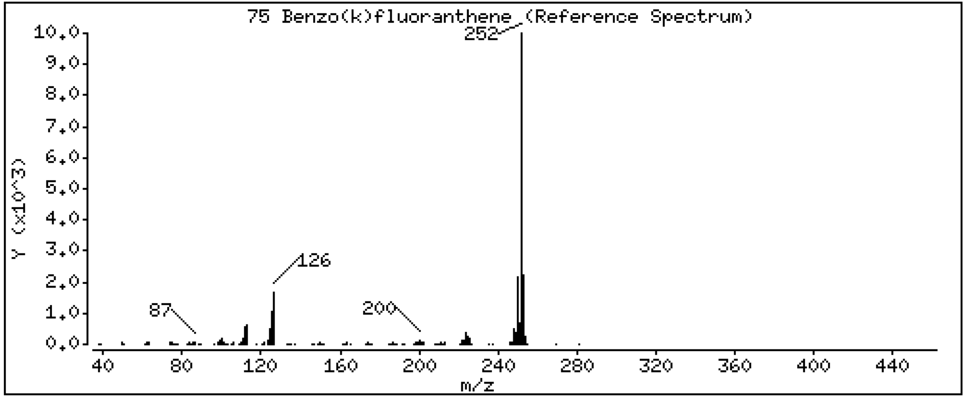
Column diameter: 0.25

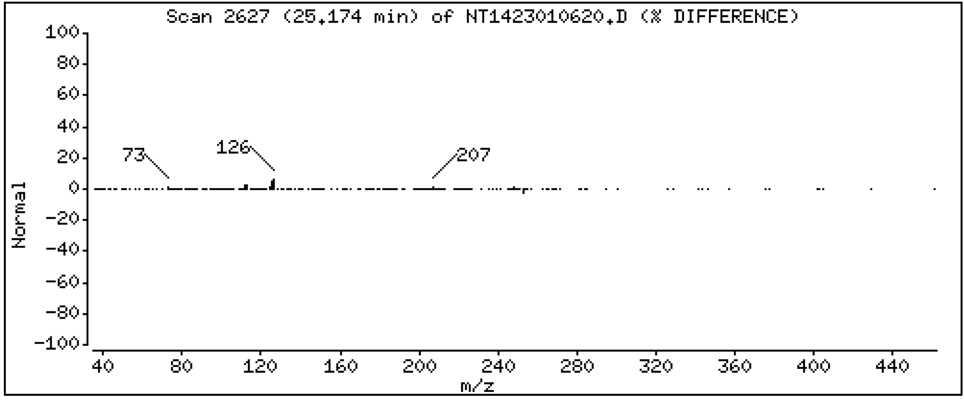
75 Benzo(k)fluoranthene

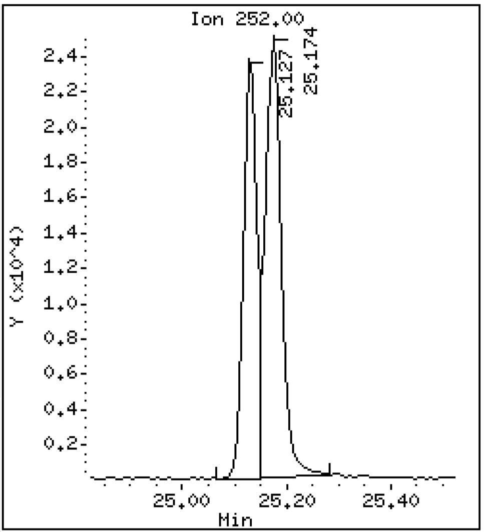
Concentration: 0.4634 ug/mL


Scan 2627 (25.174 min) of NT1423010620.D


Scan 2627 (25.174 min) of NT1423010620.D (Subtracted)


75 Benzo(k)fluoranthene (Reference Spectrum)


Scan 2627 (25.174 min) of NT1423010620.D (% DIFFERENCE)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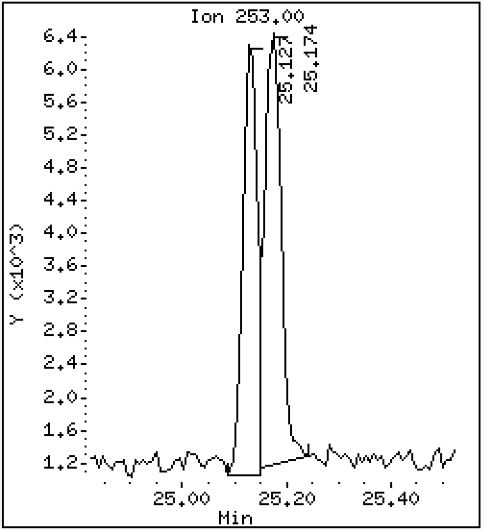
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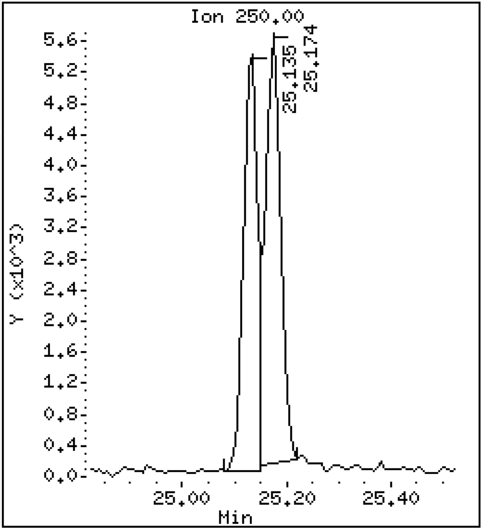

Ion 250.00

Data File: \\target\share\chem3\nt14.i\20230106.b\NT1423010620.D

Date : 06-JAN-2023 23:03

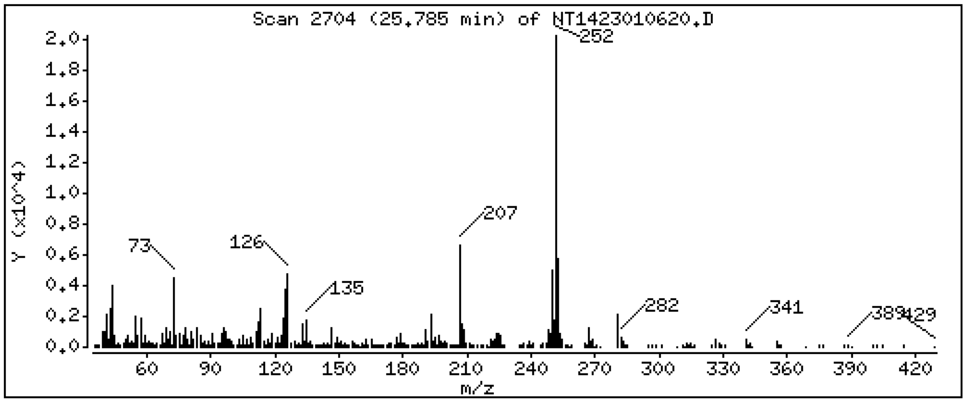
Client ID: Instrument: nt14.i

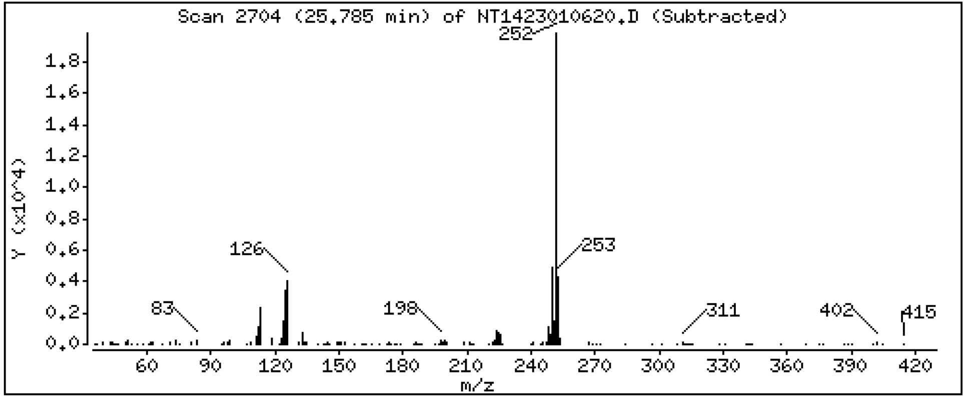
Sample Info: SLA0068-LCV2

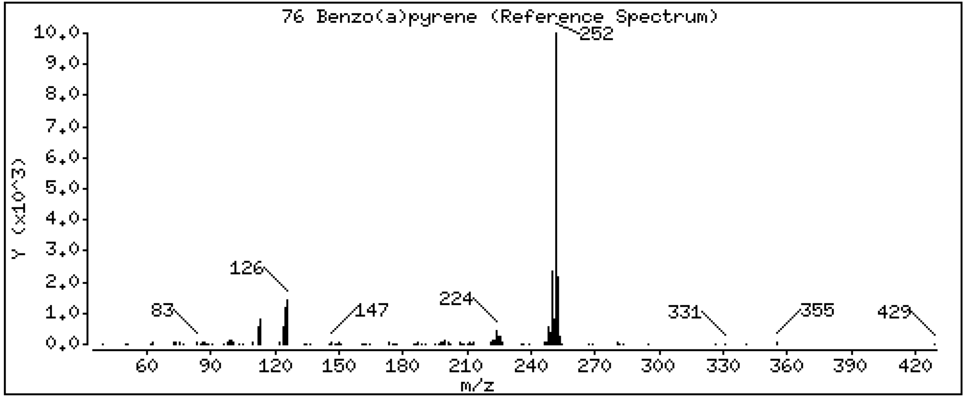
Operator: VTS

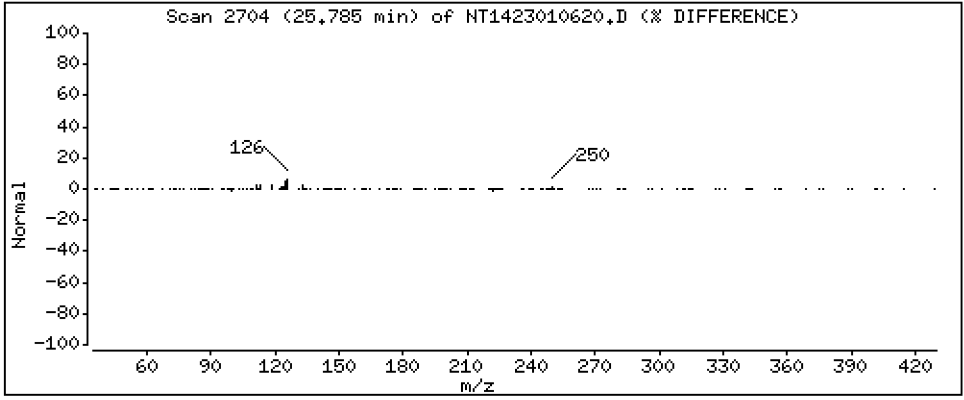
Column phase: ZB-5msi Column diameter: 0.25

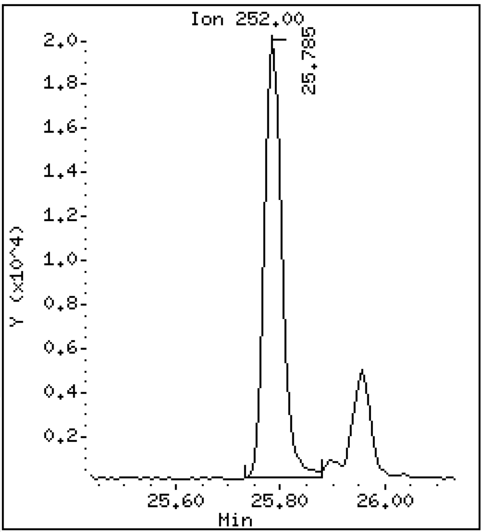
76 Benzo(a)pyrene Concentration: 0.4789 ug/mL

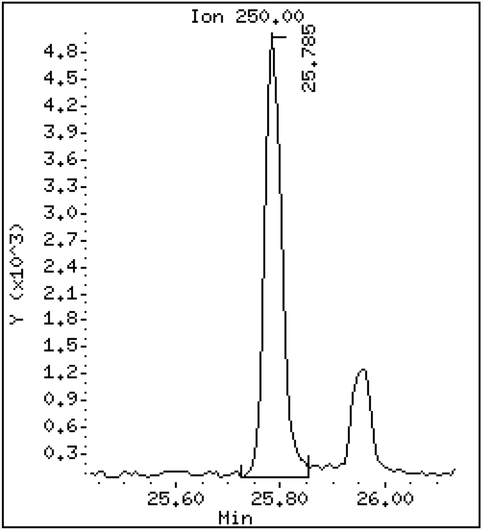


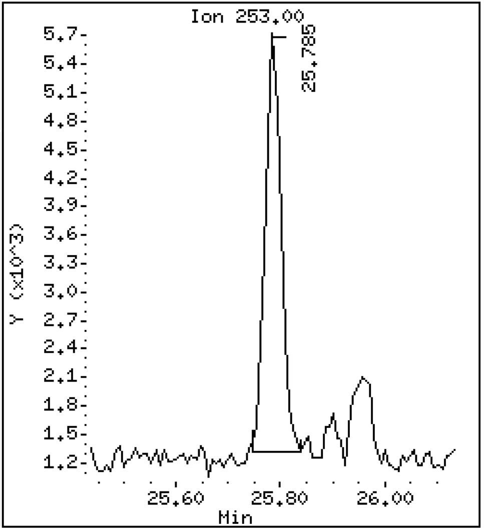












Data File: \\target\share\chem3\nt14.i\20230106.b\NT1423010620.D

Date : 06-JAN-2023 23:03

Client ID:

Instrument: nt14.i

Sample Info: SLA0068-LCV2

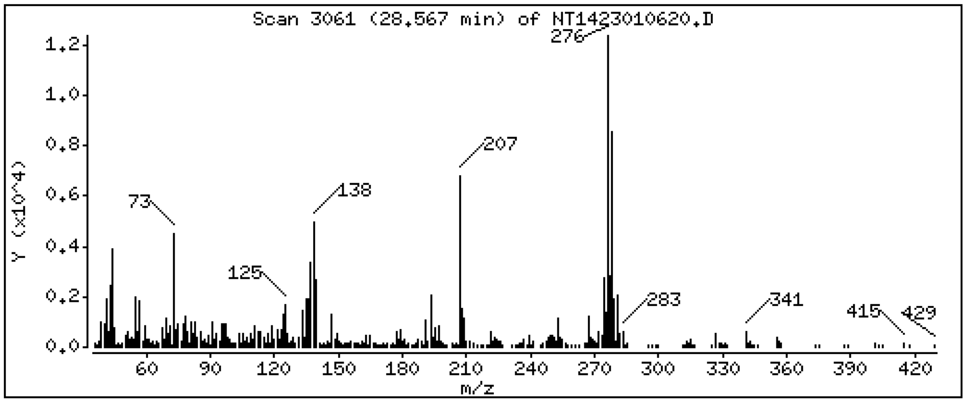
Operator: VTS

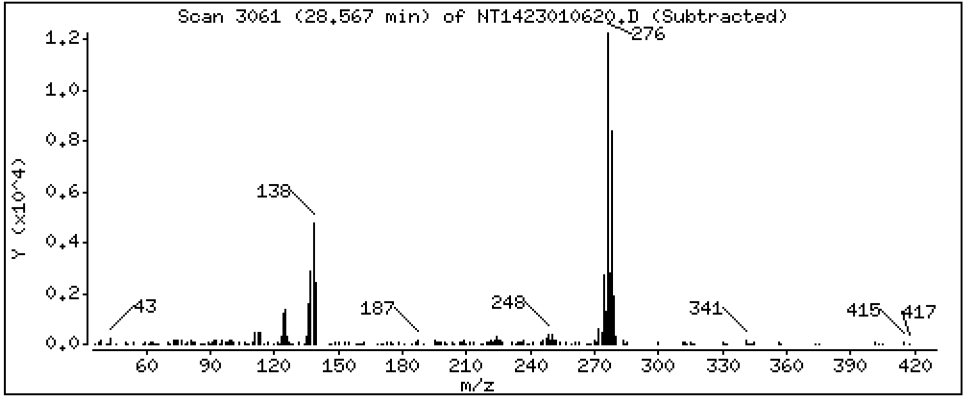
Column phase: ZB-5msi

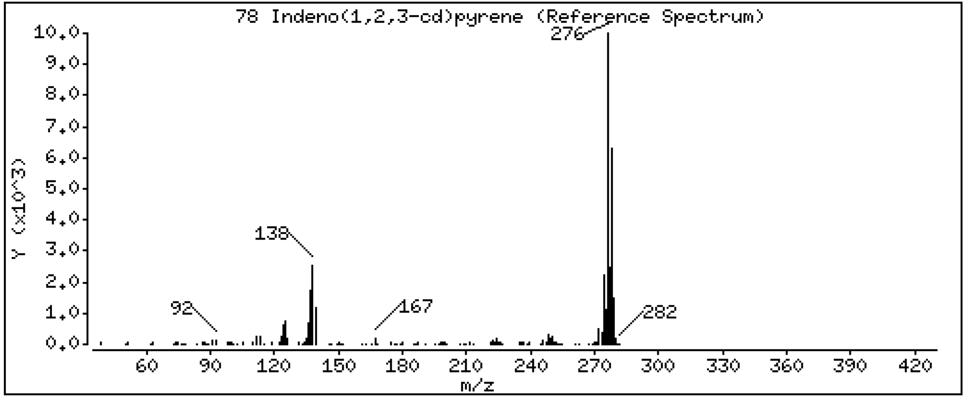
Column diameter: 0.25

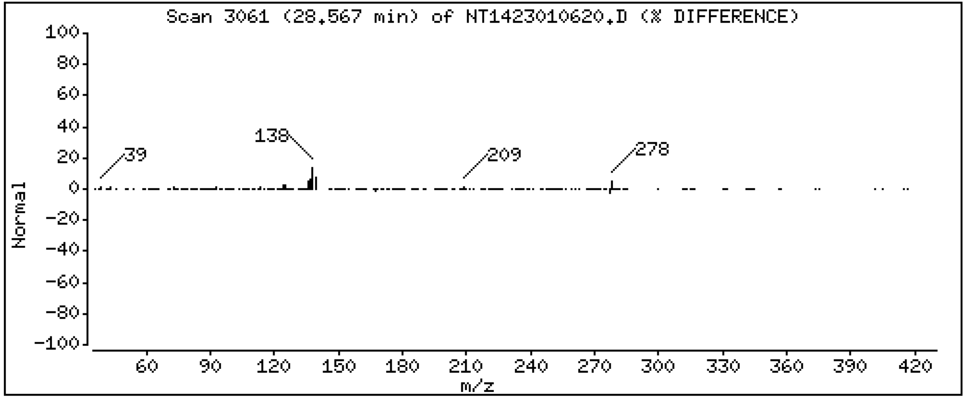
78 Indeno(1,2,3-cd)pyrene

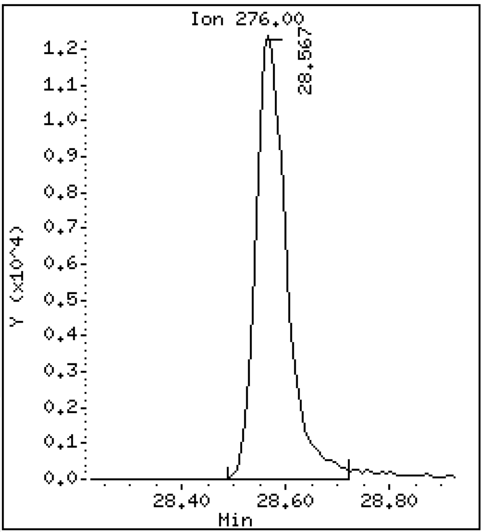
Concentration: 0.4768 ug/mL

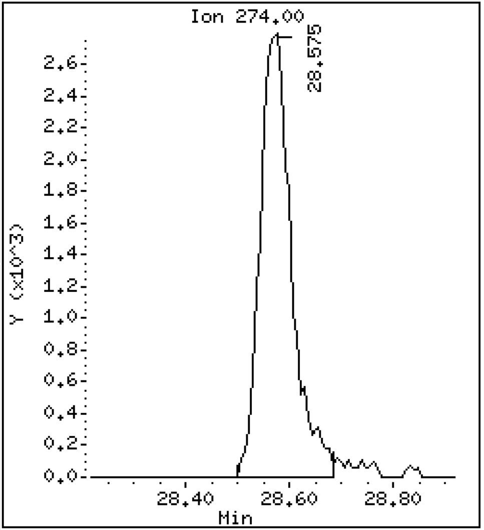

Scan 3061 (28.567 min) of NT1423010620.D

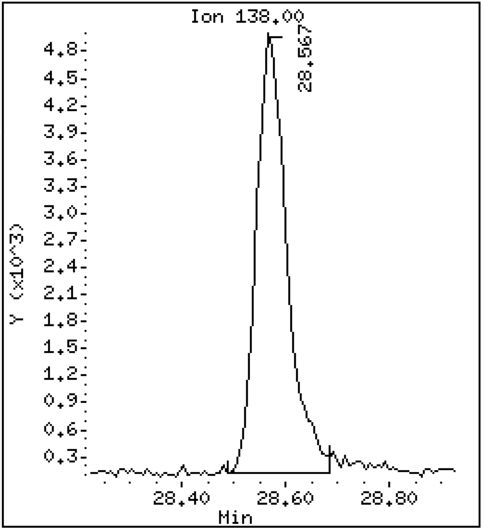

Scan 3061 (28.567 min) of NT1423010620.D (Subtracted)


78 Indeno(1,2,3-cd)pyrene (Reference Spectrum)


Scan 3061 (28.567 min) of NT1423010620.D (% DIFFERENCE)


Ion 276.00


Ion 274.00


Ion 138.00

Data File: \\target\share\chem3\nt14.i\20230106.b\NT1423010620.D

Date : 06-JAN-2023 23:03

Client ID:

Instrument: nt14.i

Sample Info: SLA0068-LCV2

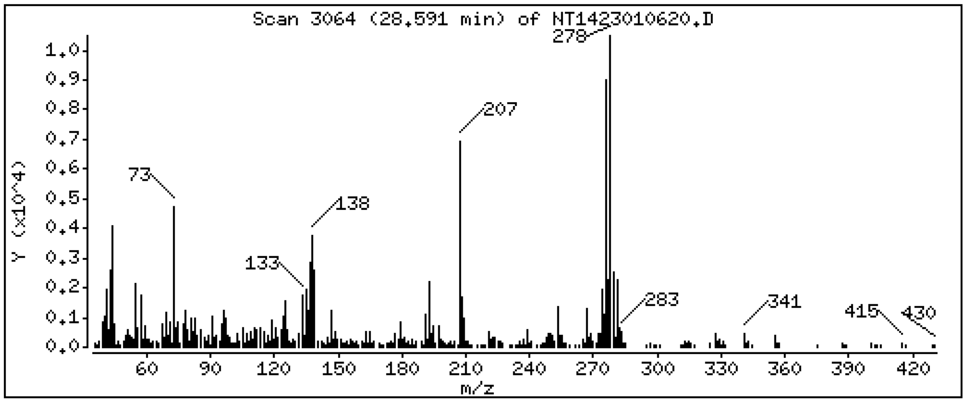
Operator: VTS

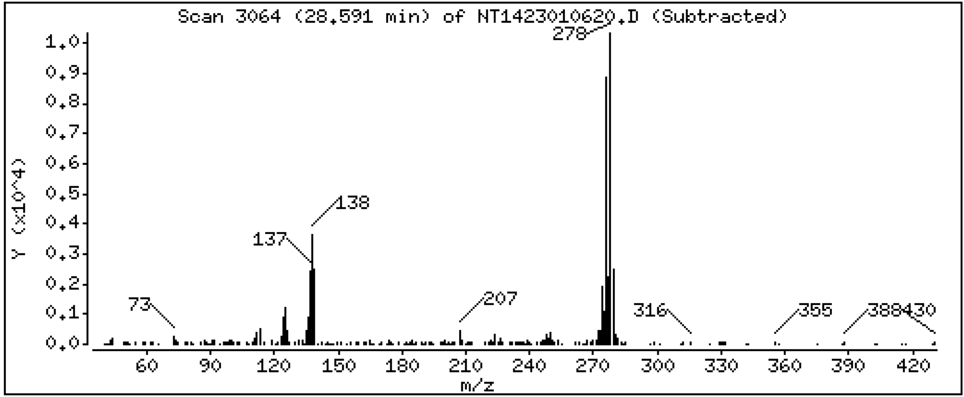
Column phase: ZB-5msi

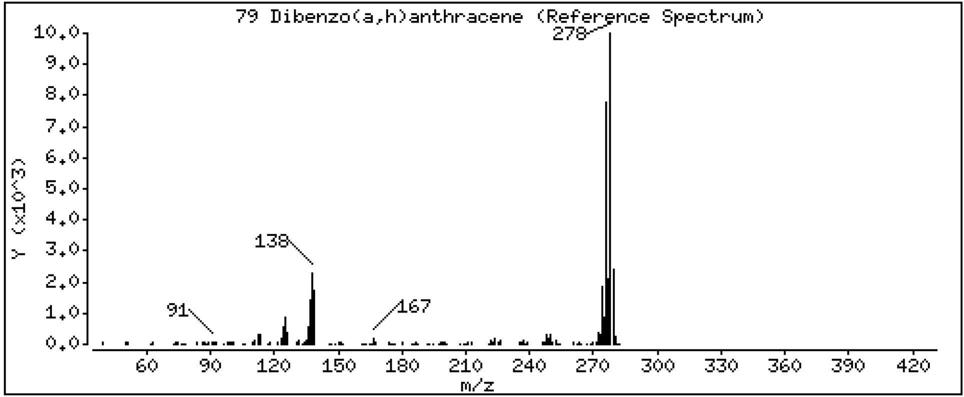
Column diameter: 0.25

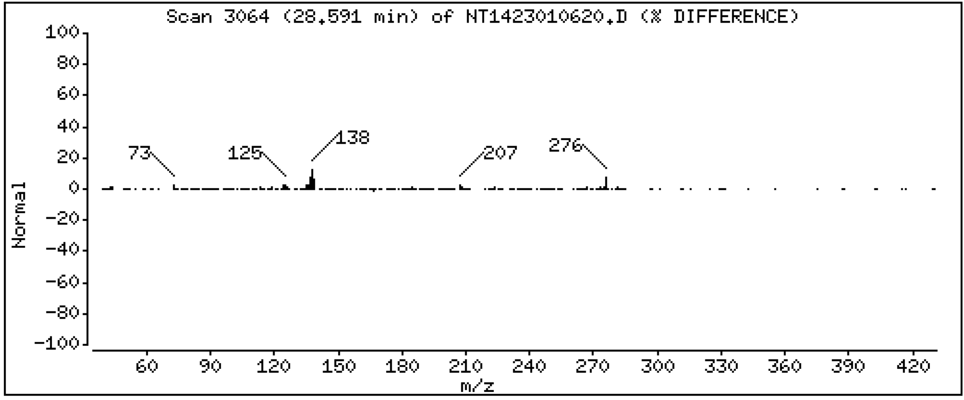
79 Dibenzo(a,h)anthracene

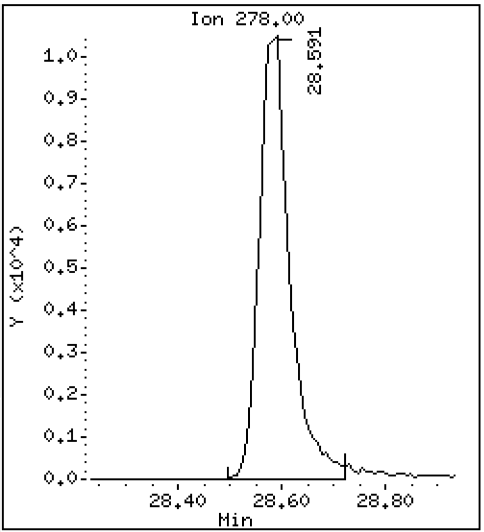
Concentration: 0.4663 ug/mL

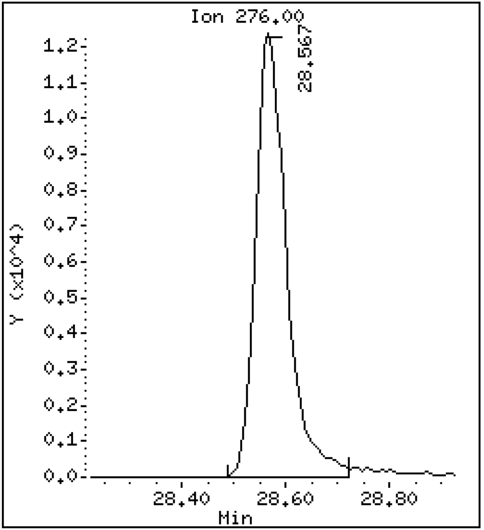


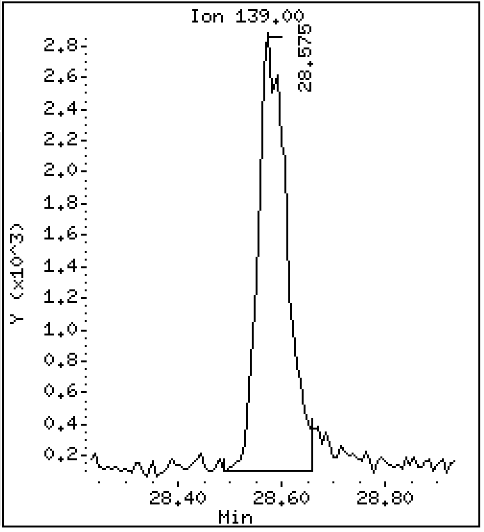












Data File: \\target\share\chem3\nt14.i\20230106.b\NT1423010620.D

Date : 06-JAN-2023 23:03

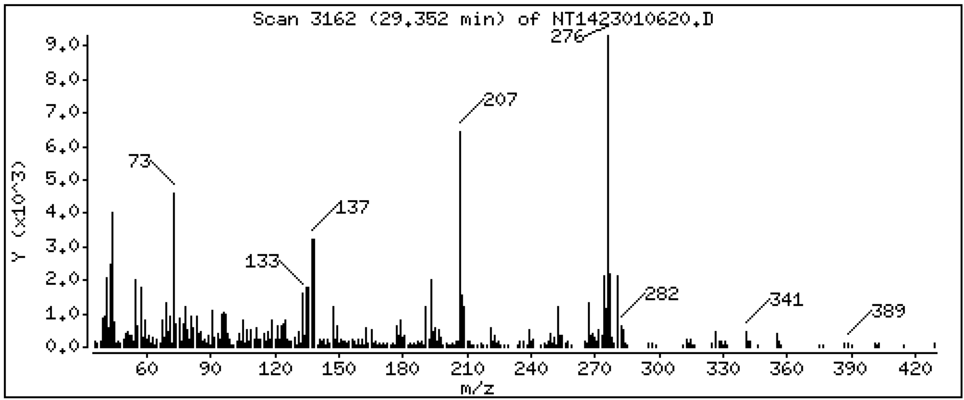
Client ID: Instrument: nt14.i

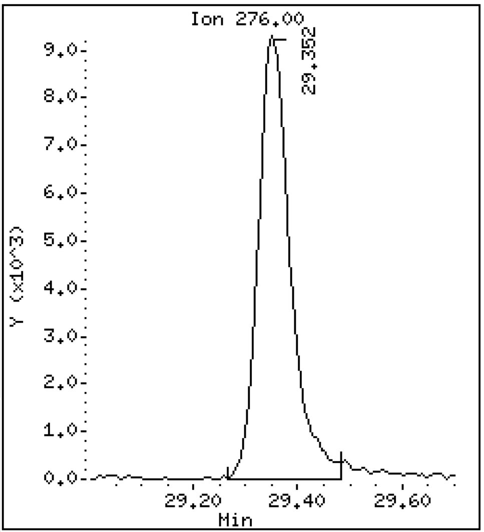
Sample Info: SLA0068-LCV2

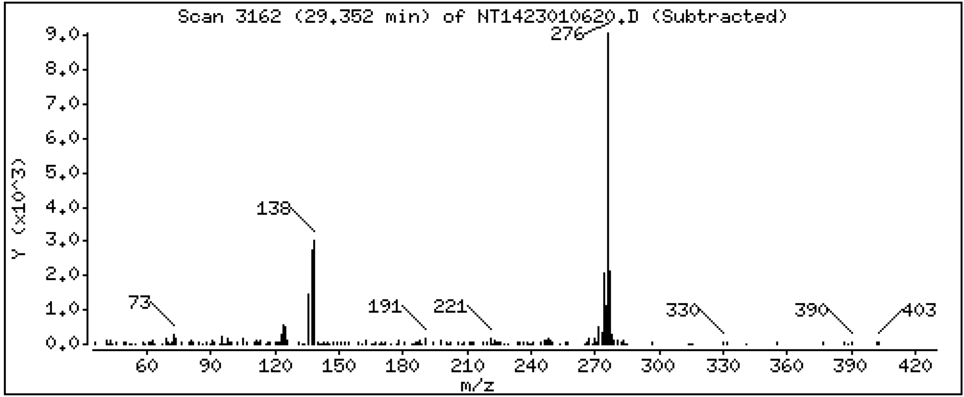
Operator: VTS

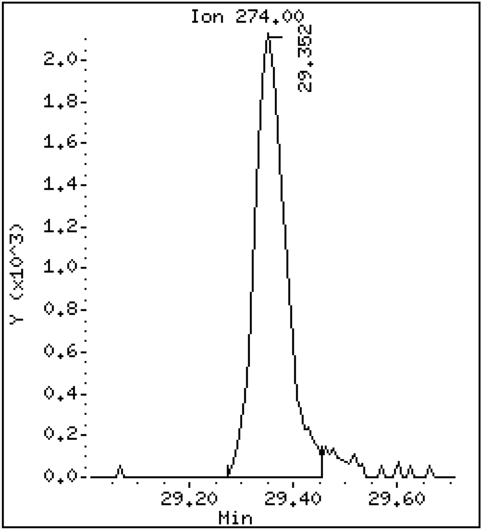
Column phase: ZB-5msi Column diameter: 0.25

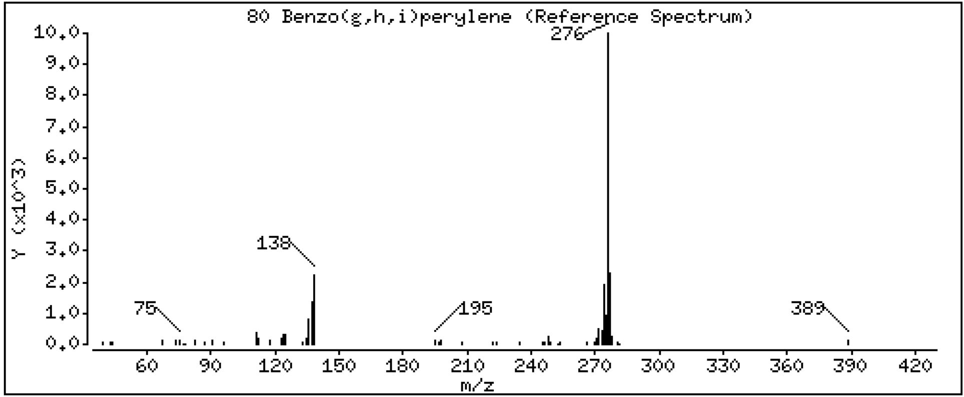
80 Benzo(g,h,i)perylene Concentration: 0.4438 ug/mL

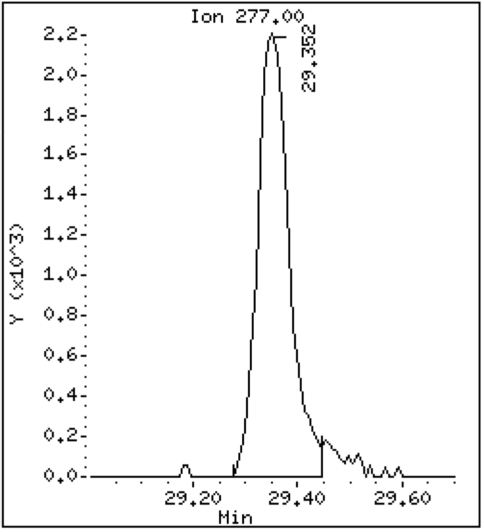

Scan 3162 (29.352 min) of NT1423010620.D

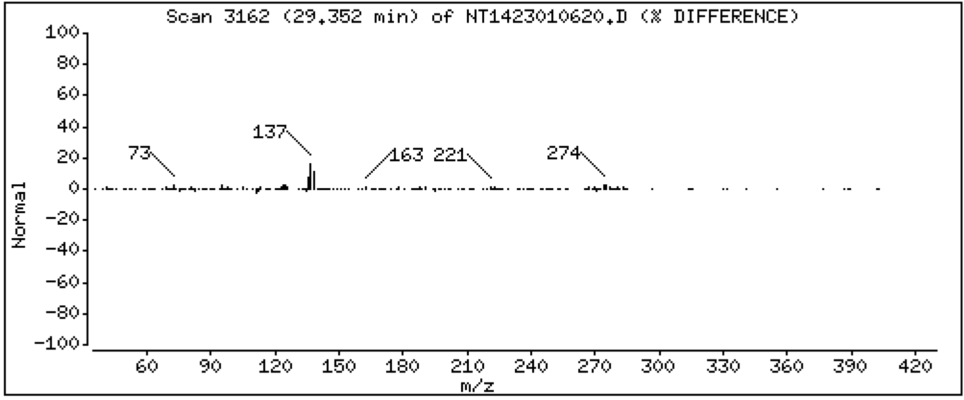

Ion 276.00


Scan 3162 (29.352 min) of NT1423010620.D (Subtracted)


Ion 274.00


80 Benzo(g,h,i)perylene (Reference Spectrum)


Ion 277.00


Scan 3162 (29.352 min) of NT1423010620.D (% DIFFERENCE)

Data File: \\target\share\chem3\nt14.i\20230106.b\NT1423010620.D

Date : 06-JAN-2023 23:03

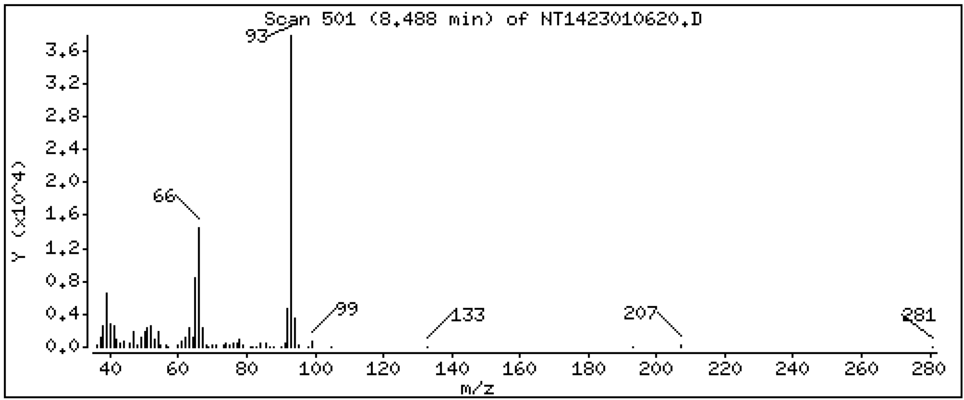
Client ID: Instrument: nt14.i

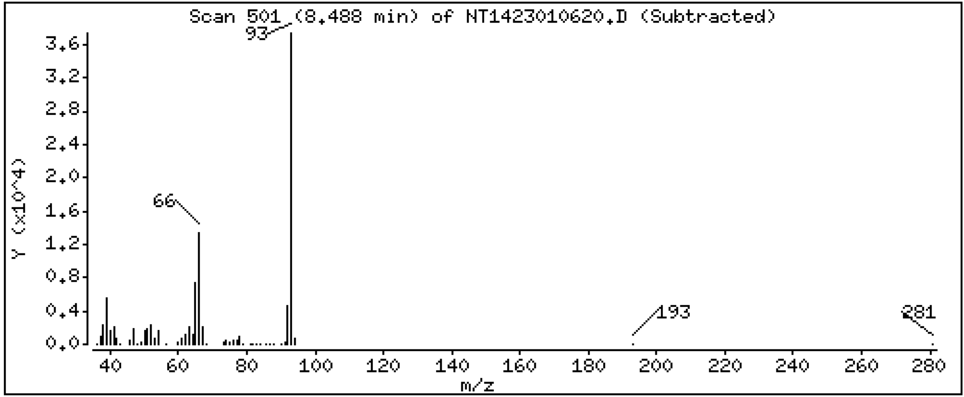
Sample Info: SLA0068-LCV2

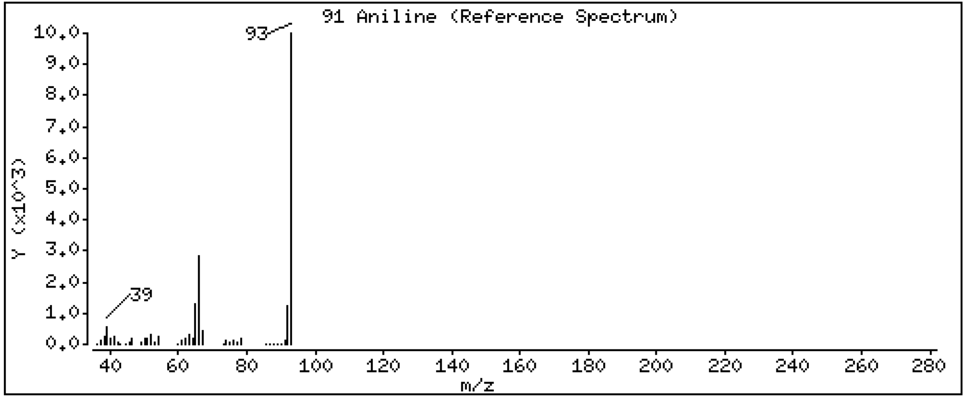
Operator: VTS

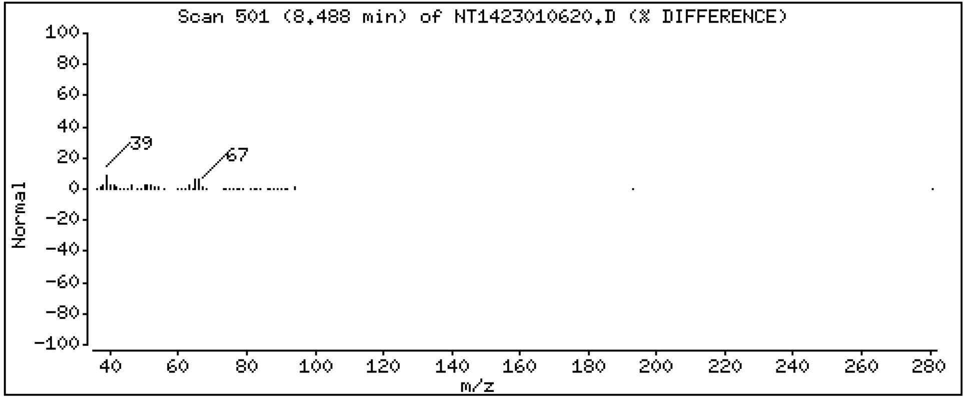
Column phase: ZB-5msi Column diameter: 0.25

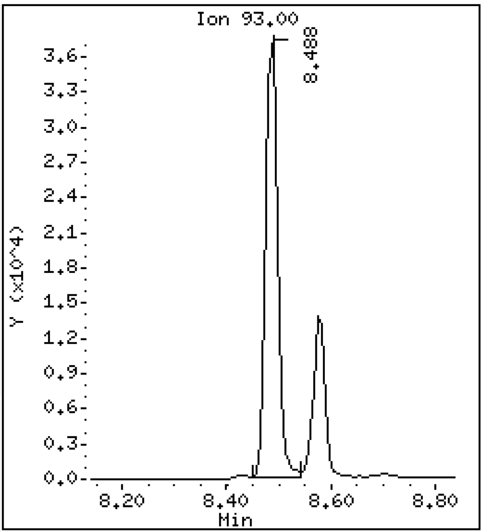
91 Aniline Concentration: 0.8863 ug/mL

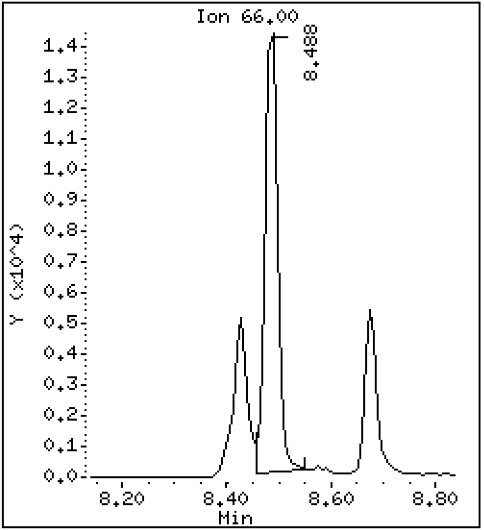

Scan 501 (8.488 min) of NT1423010620.D

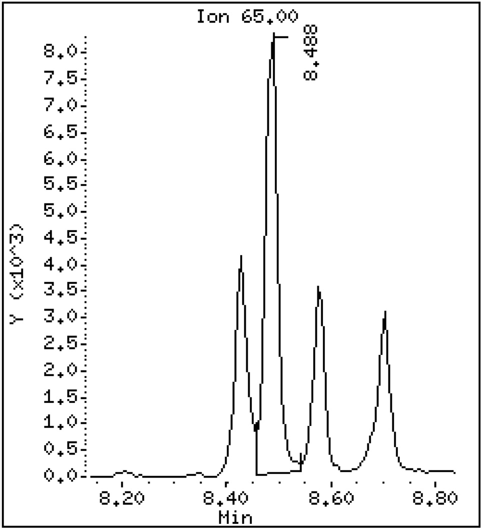

Scan 501 (8.488 min) of NT1423010620.D (Subtracted)


91 Aniline (Reference Spectrum)


Scan 501 (8.488 min) of NT1423010620.D (% DIFFERENCE)


Ion 93.00


Ion 66.00


Ion 65.00

Data File: \\target\share\chem3\nt14.i\20230106.b\NT1423010620.D

Date : 06-JAN-2023 23:03

Client ID:

Instrument: nt14.i

Sample Info: SLA0068-LCV2

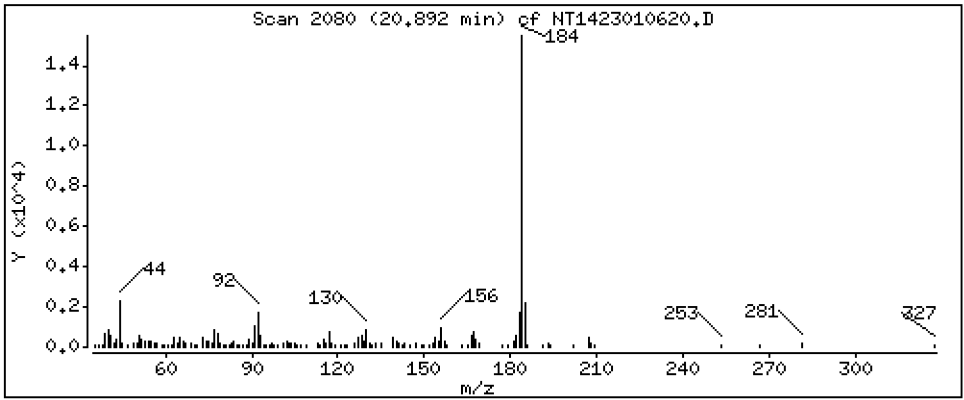
Operator: VTS

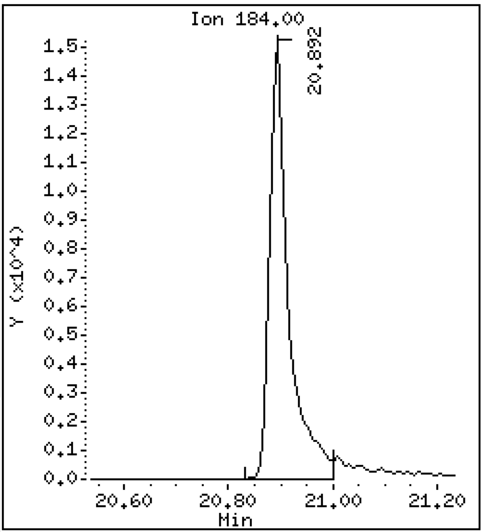
Column phase: ZB-5msi

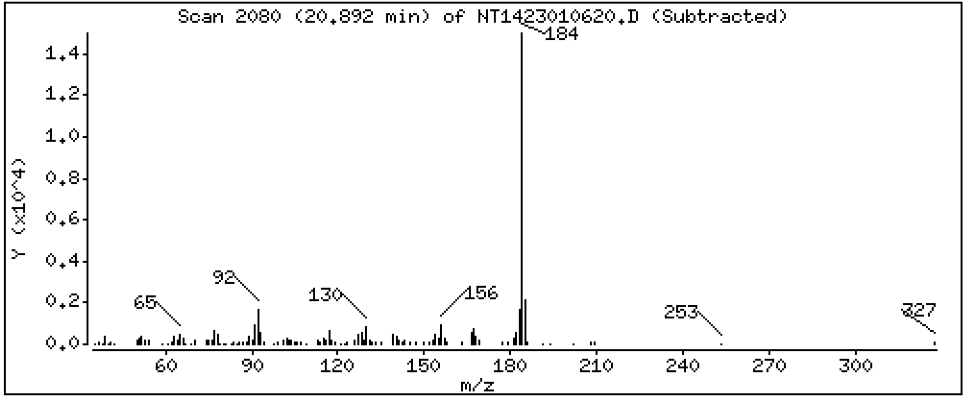
Column diameter: 0.25

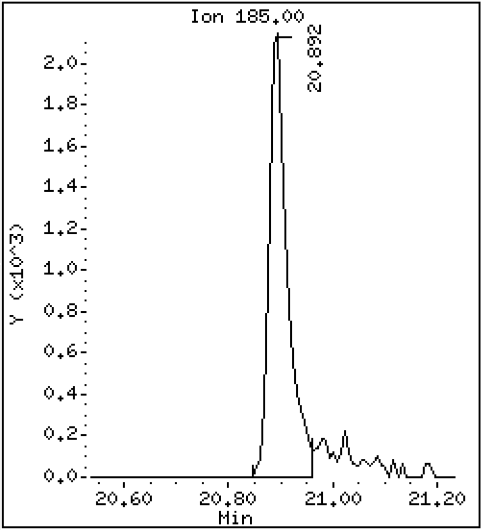
93 Benzidine

Concentration: 0.9052 ug/mL


Scan 2080 (20.892 min) of NT1423010620.D


Ion 184.00


Scan 2080 (20.892 min) of NT1423010620.D (Subtracted)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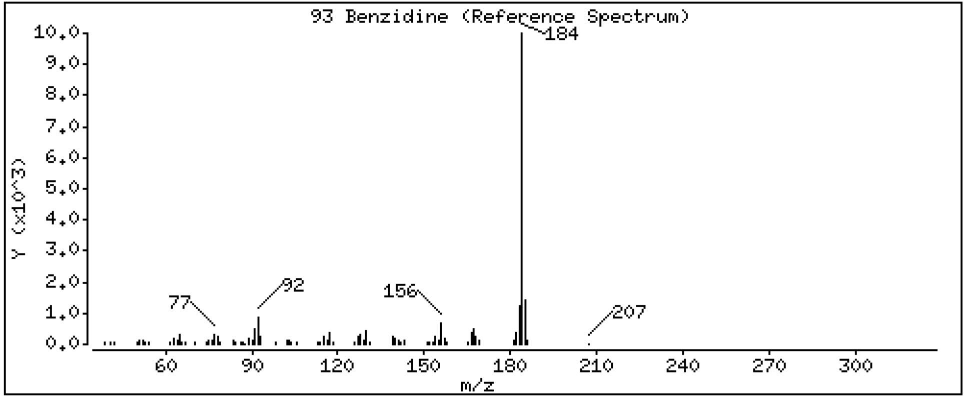
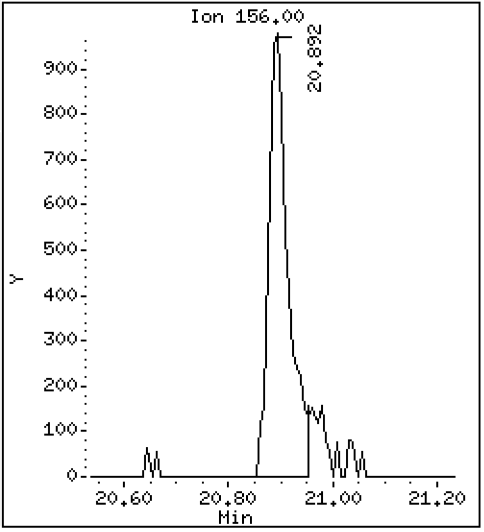
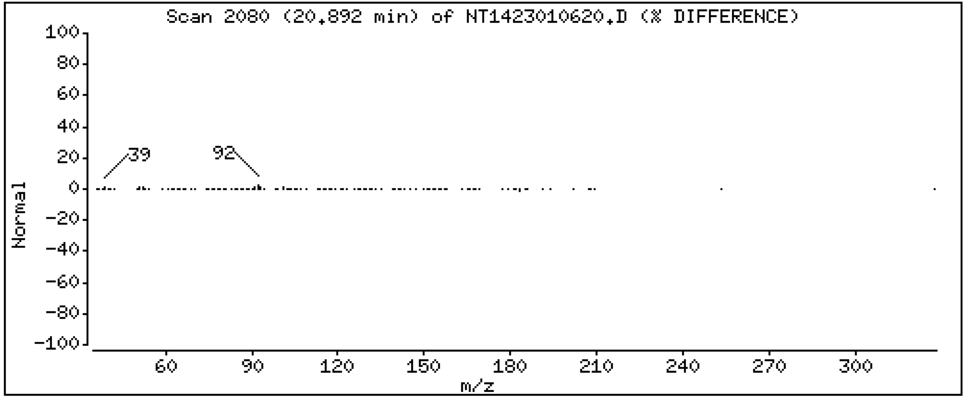

93 Benzidine (Reference Spectrum)


Ion 156.00


Scan 2080 (20.892 min) of NT1423010620.D (% DIFFERENCE)

Data File: \\target\share\chem3\nt14.i\20230106.b\NT1423010620.D

Date : 06-JAN-2023 23:03

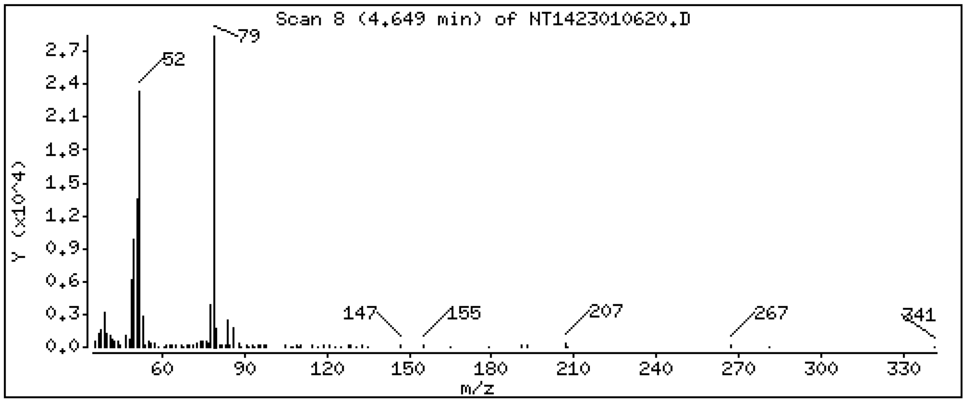
Client ID: Instrument: nt14.i

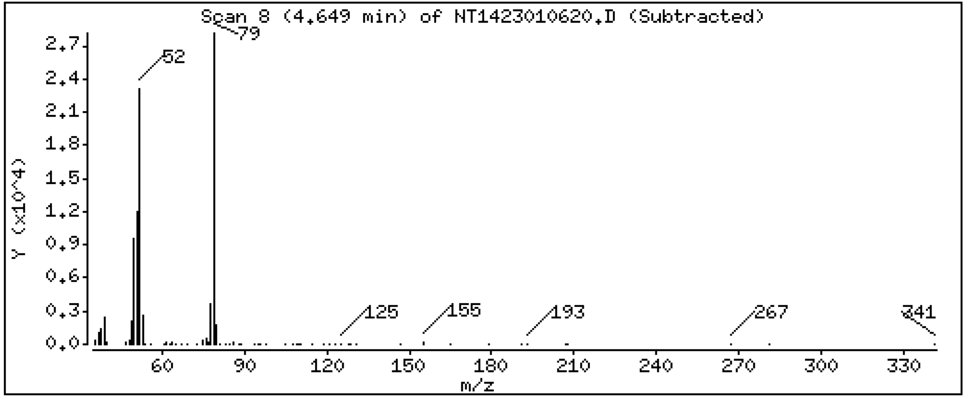
Sample Info: SLA0068-LCV2

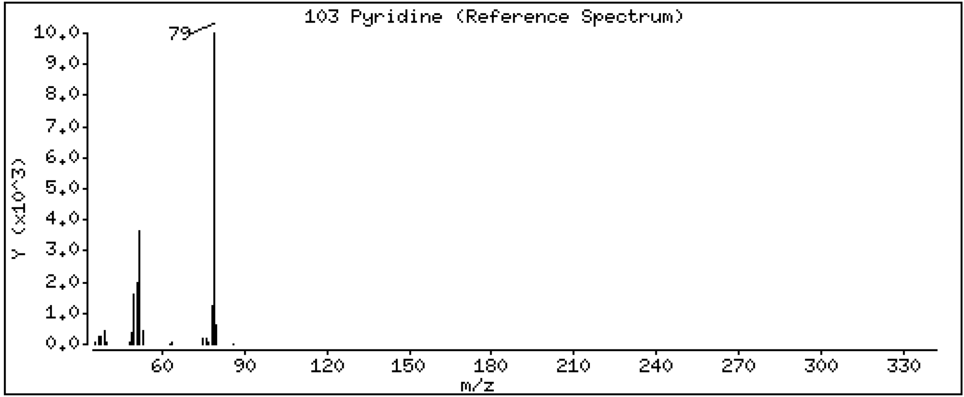
Operator: VTS

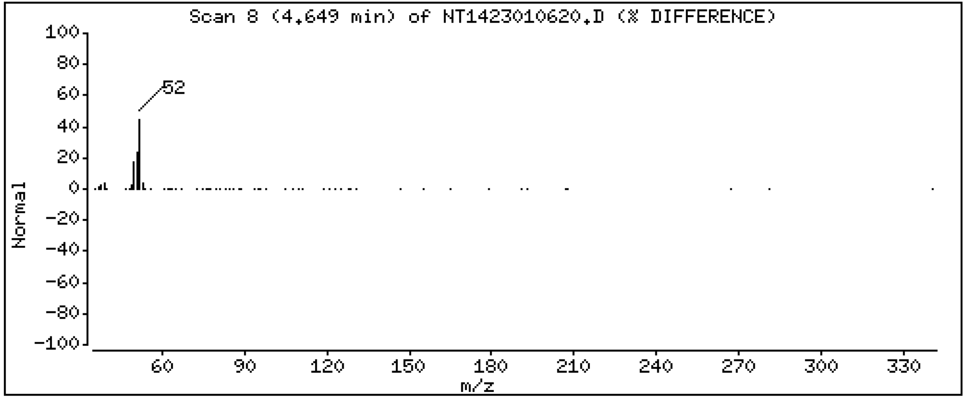
Column phase: ZB-5msi Column diameter: 0.25

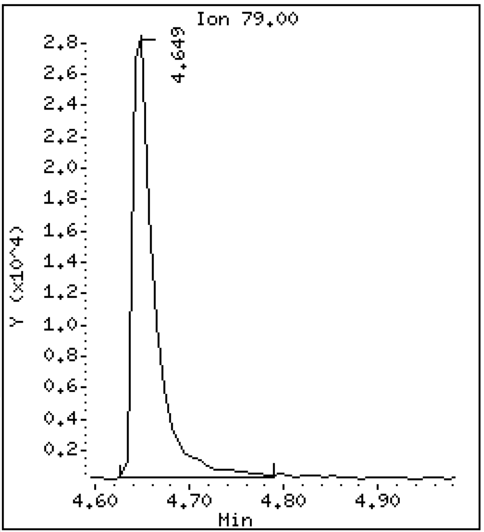
103 Pyridine Concentration: 0.4671 ug/mL

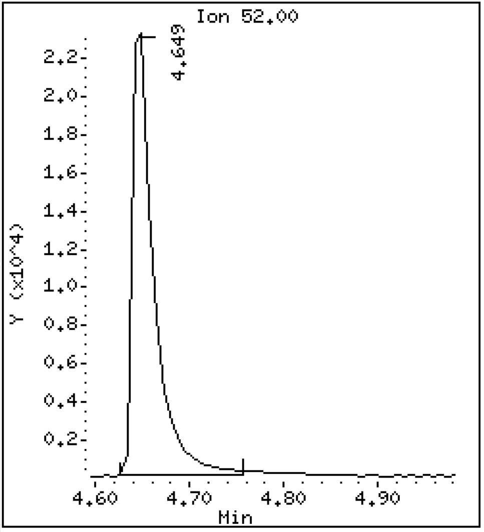

Scan 8 (4.649 min) of NT1423010620.D


Scan 8 (4.649 min) of NT1423010620.D (Subtracted)


103 Pyridine (Reference Spectrum)


Scan 8 (4.649 min) of NT1423010620.D (% DIFFERENCE)


Ion 79.00


Ion 52.00

Data File: \\target\share\chem3\nt14.i\20230106.b\NT1423010620.D

Date : 06-JAN-2023 23:03

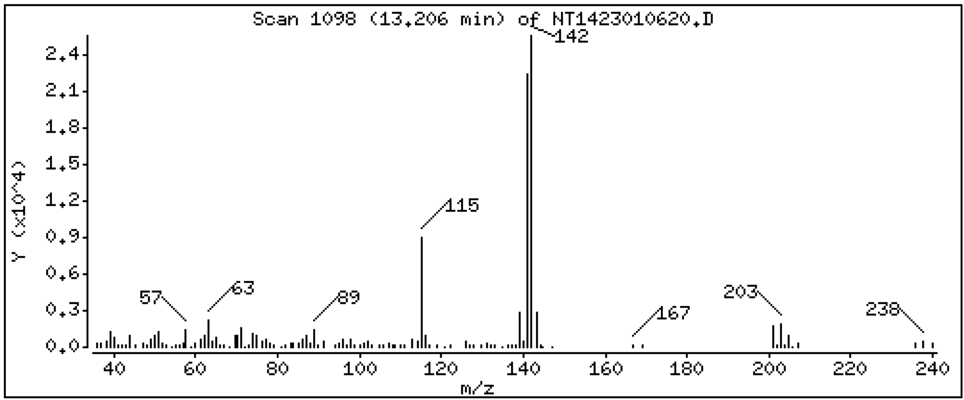
Client ID: Instrument: nt14.i

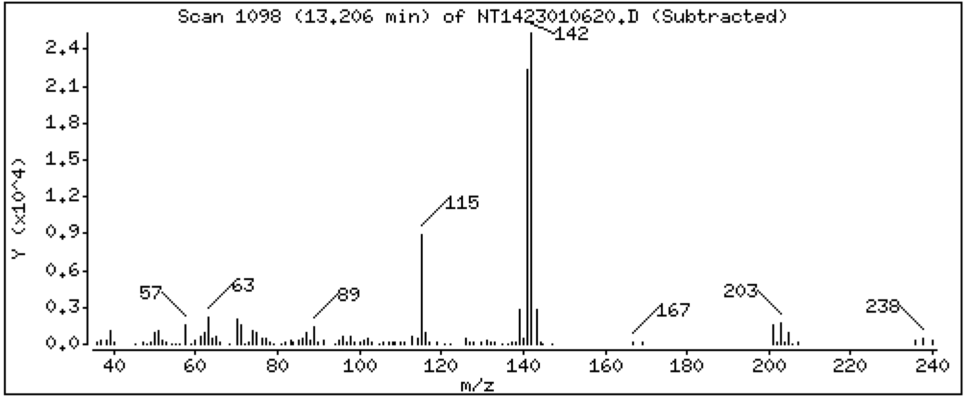
Sample Info: SLA0068-LCV2

Operator: VTS

Column phase: ZB-5msi Column diameter: 0.25

105 1-methylnaphthalene Concentration: 0.4456 ug/mL


Scan 1098 (13.206 min) of NT1423010620.D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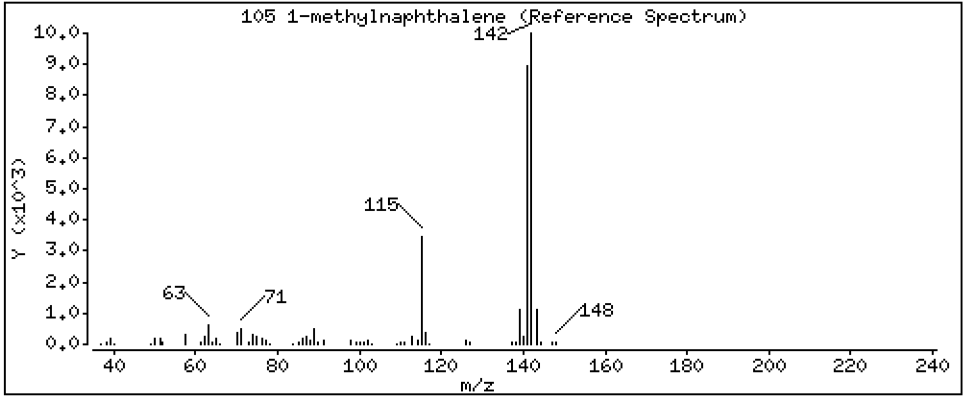
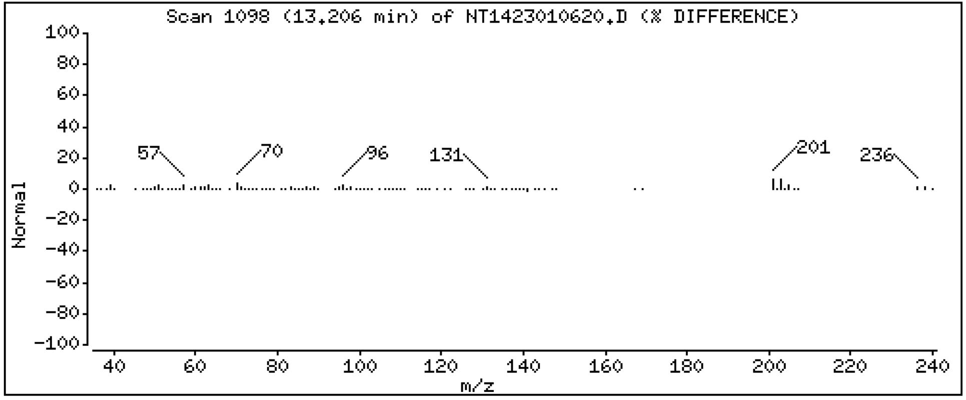

105 1-methylnaphthalene (Reference Spectrum)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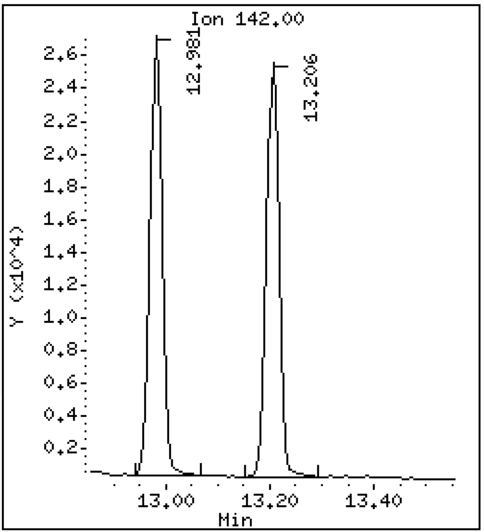
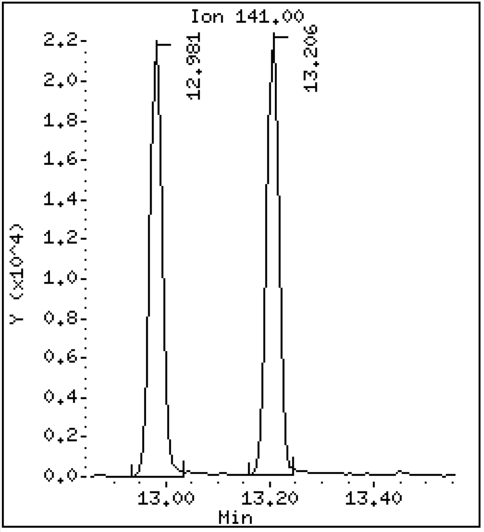

Ion 142.00


Ion 141.00

Data File: \\target\share\chem3\nt14.i\20230106.b\NT1423010620.D

Date : 06-JAN-2023 23:03

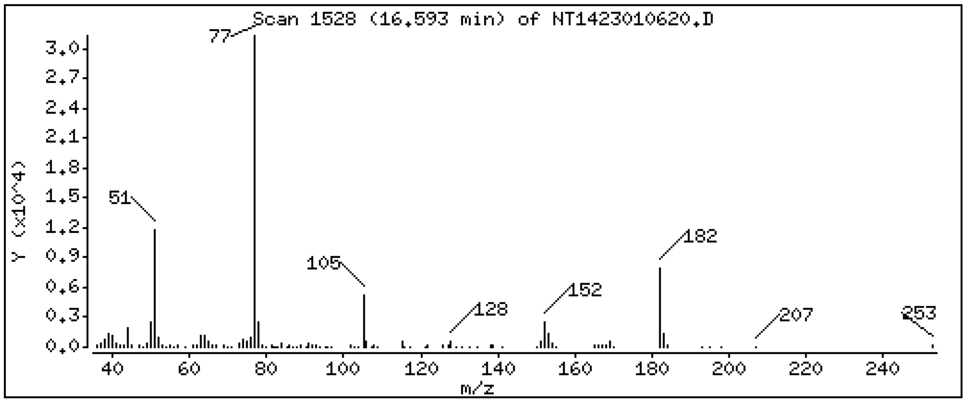
Client ID: Instrument: nt14.i

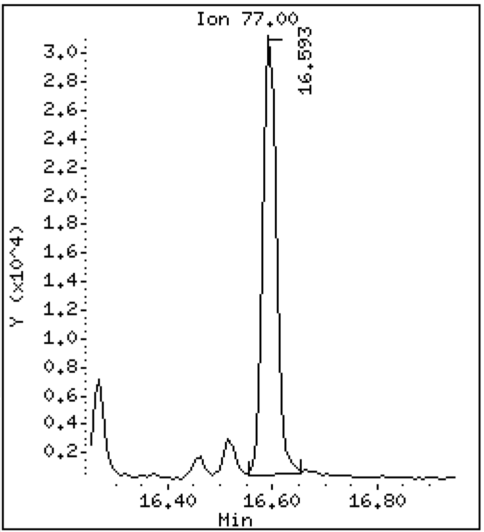
Sample Info: SLA0068-LCV2

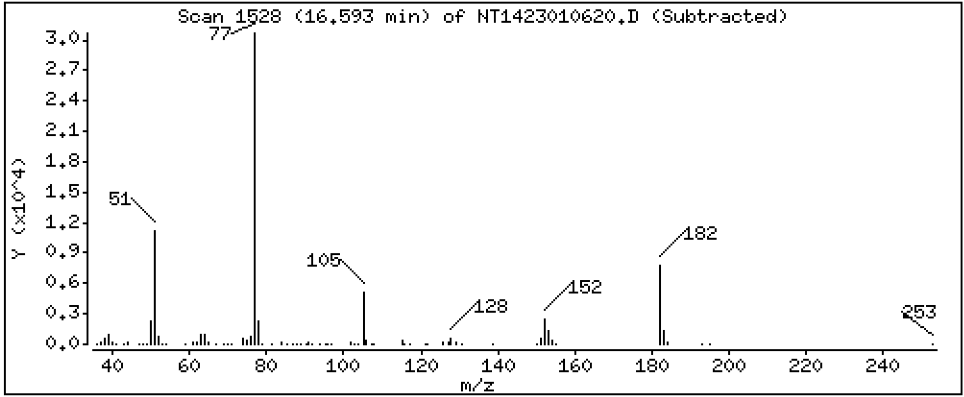
Operator: VTS

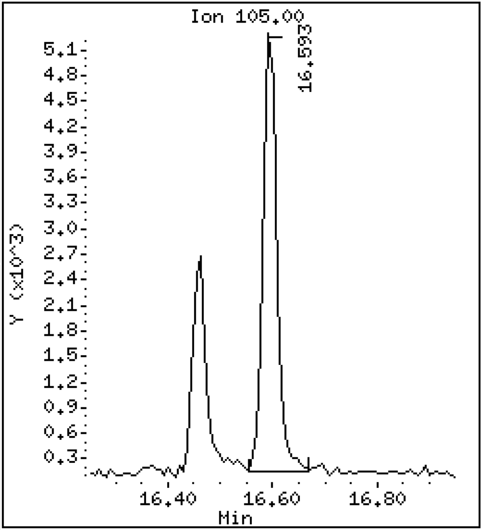
Column phase: ZB-5msi Column diameter: 0.25

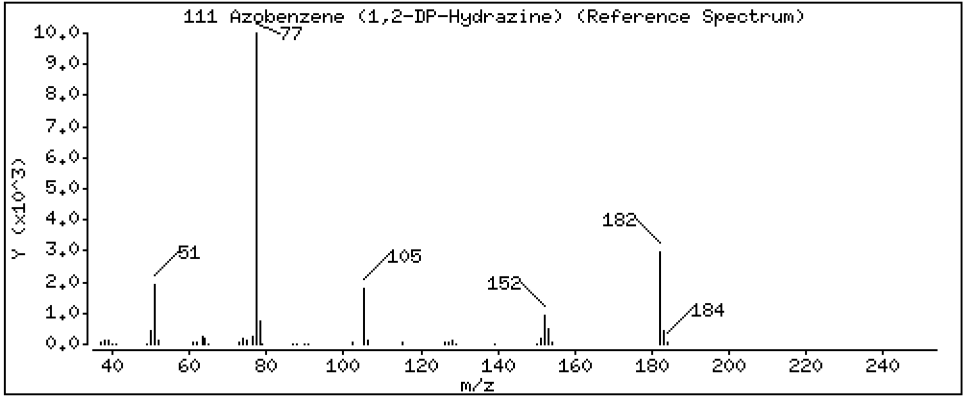
111 Azobenzene (1,2-DP-Hydrazine) Concentration: 0.5383 ug/mL

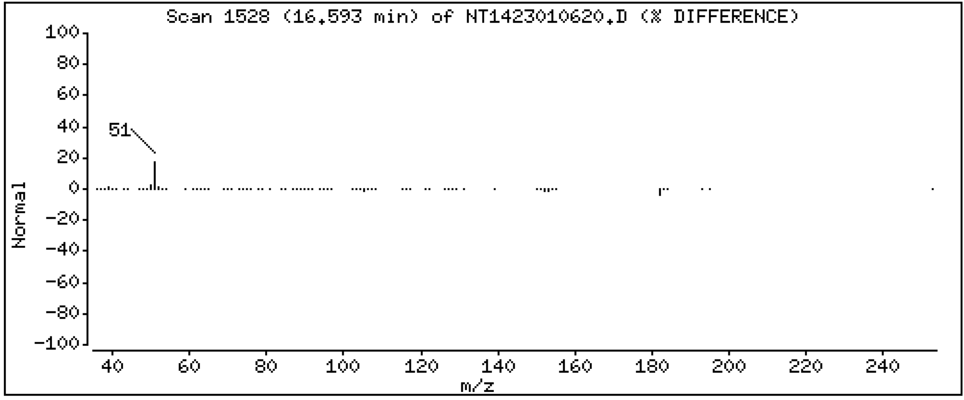


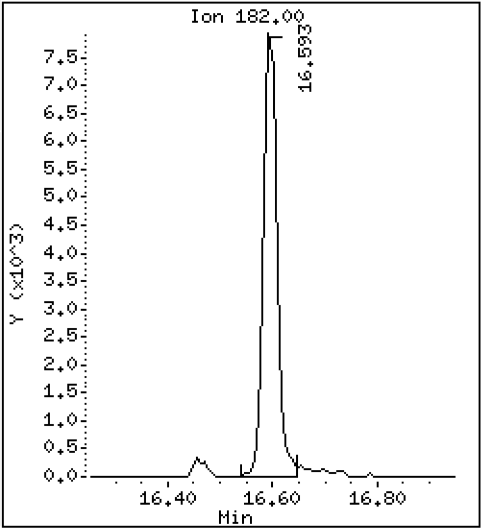












Date : 06-JAN-2023 23:03

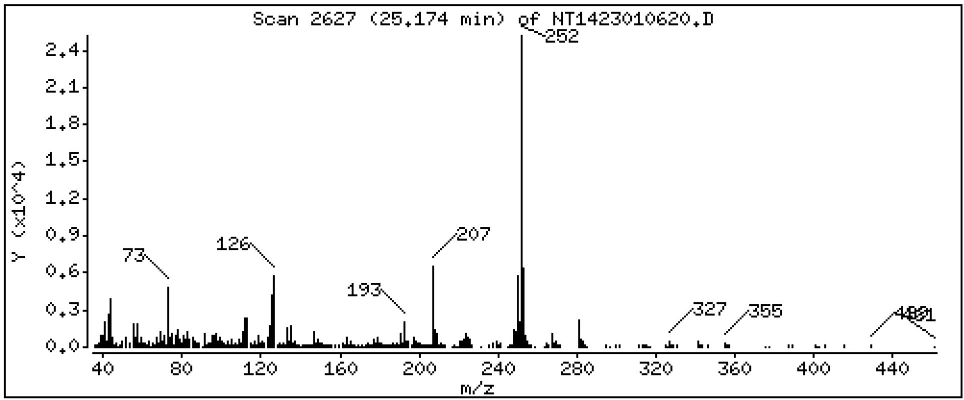
Client ID: Instrument: nt14.i

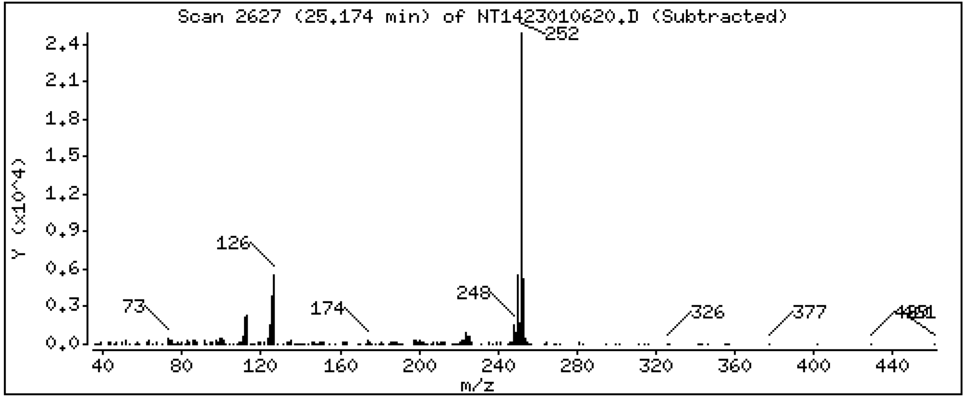
Sample Info: SLA0068-LCV2

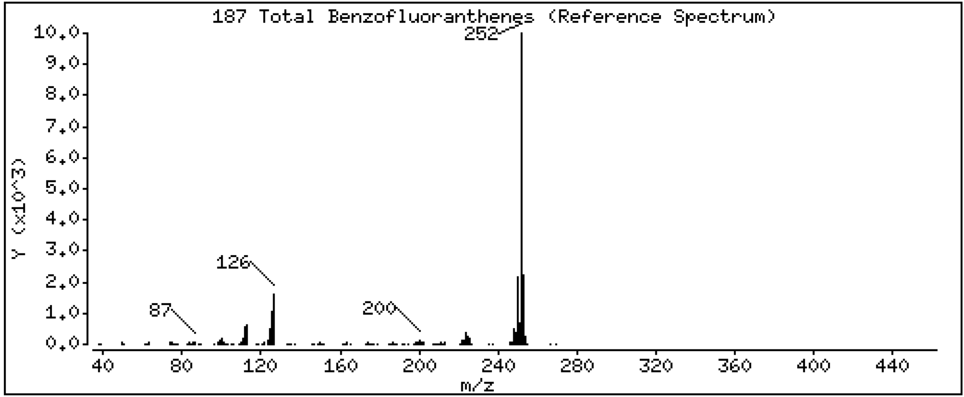
Operator: VTS

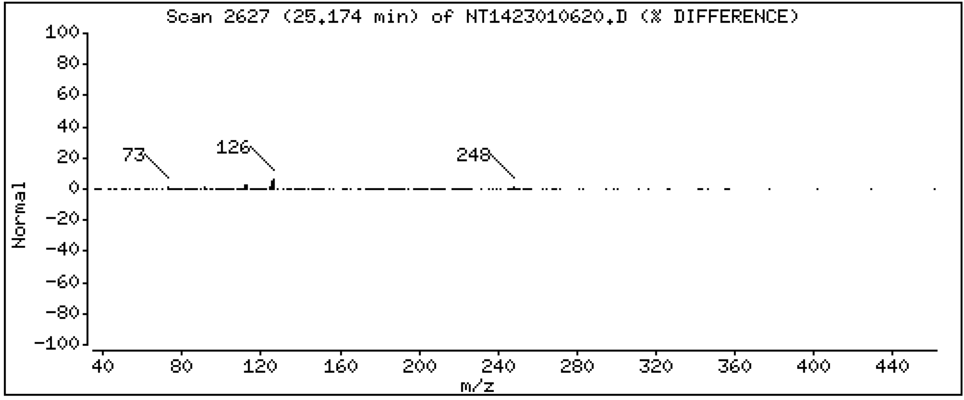
Column phase: ZB-5msi Column diameter: 0.25

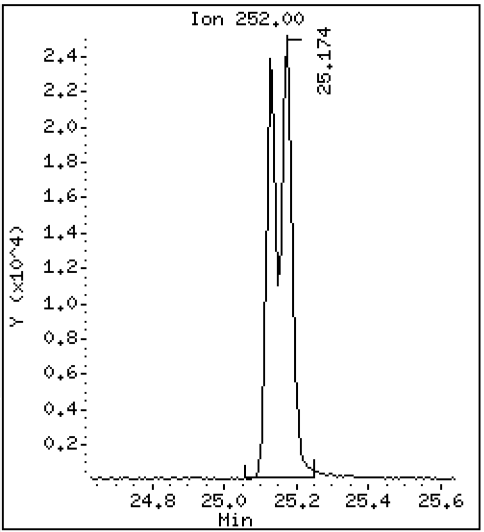
187 Total Benzofluoranthenes Concentration: 0.8641 ug/mL

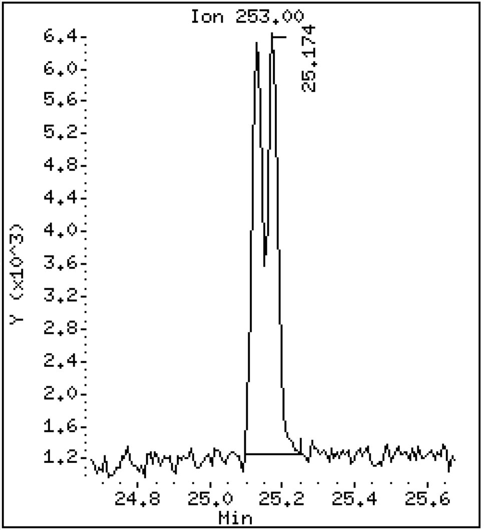


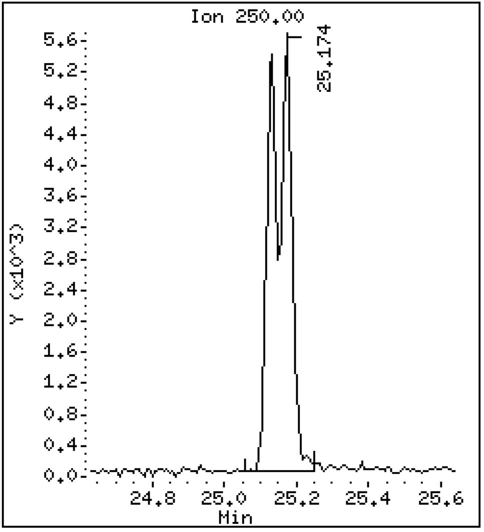












Data File: \\target\share\chem3\nt14.i\20230106.b\NT1423010620.D

Date : 06-JAN-2023 23:03

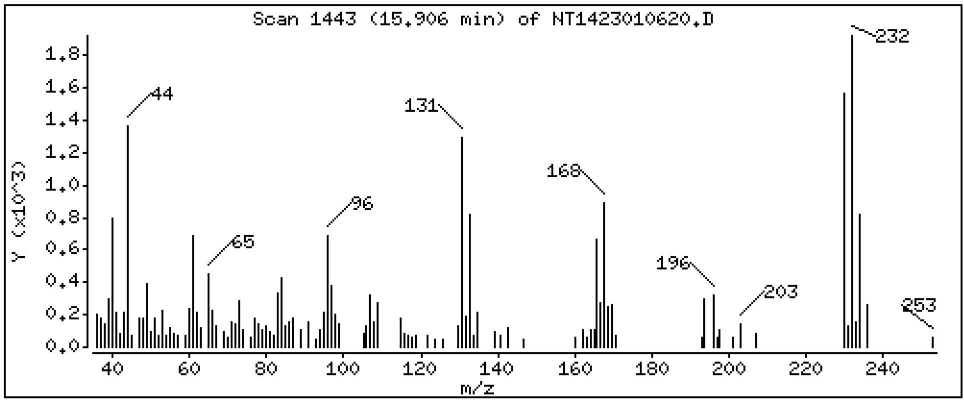
Client ID: Instrument: nt14.i

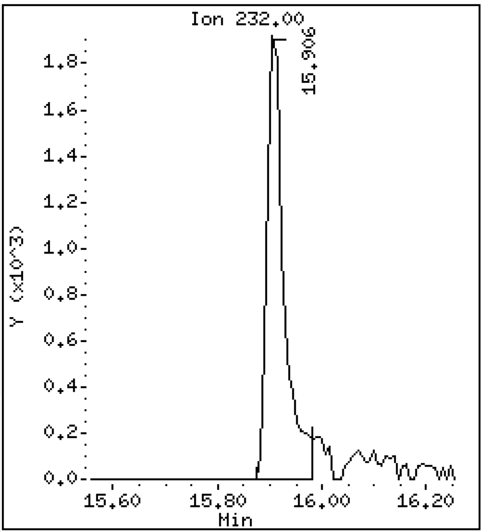
Sample Info: SLA0068-LCV2

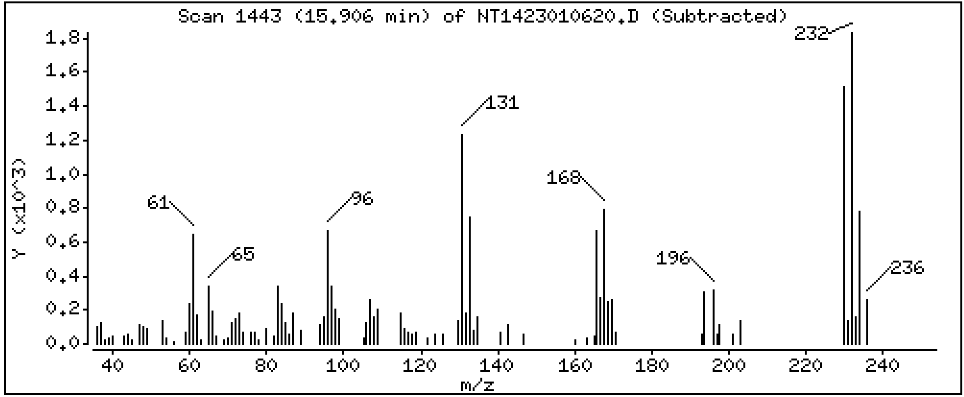
Operator: VTS

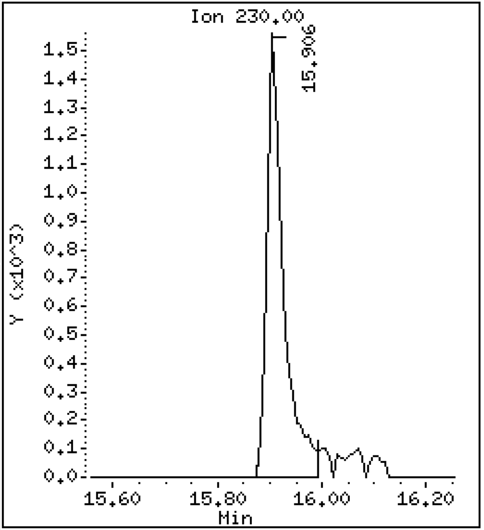
Column phase: ZB-5msi Column diameter: 0.25

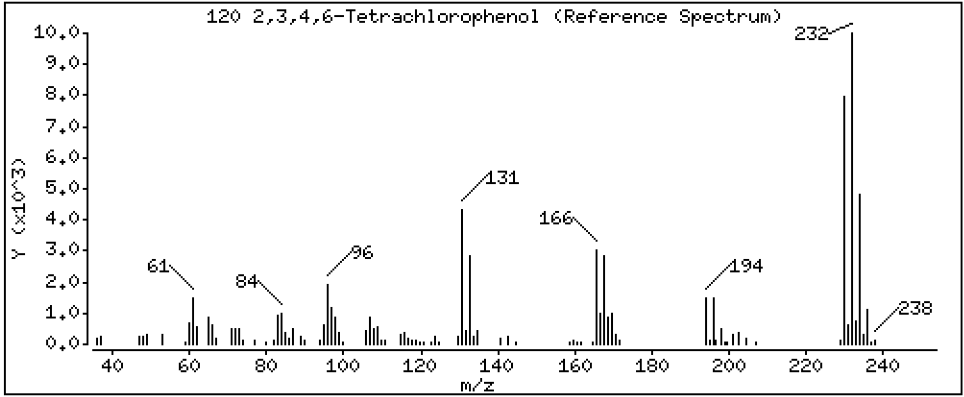
120 2,3,4,6-Tetrachlorophenol Concentration: 0.2279 ug/mL

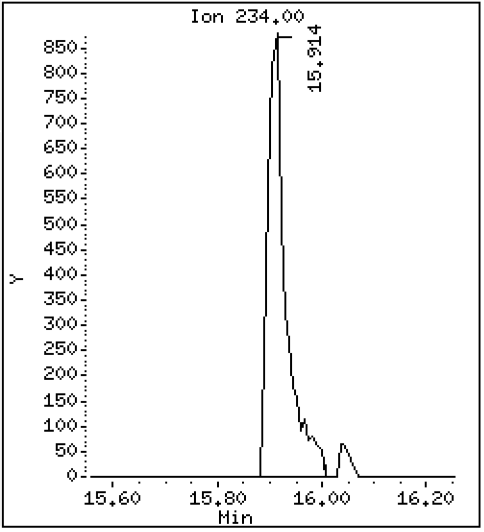


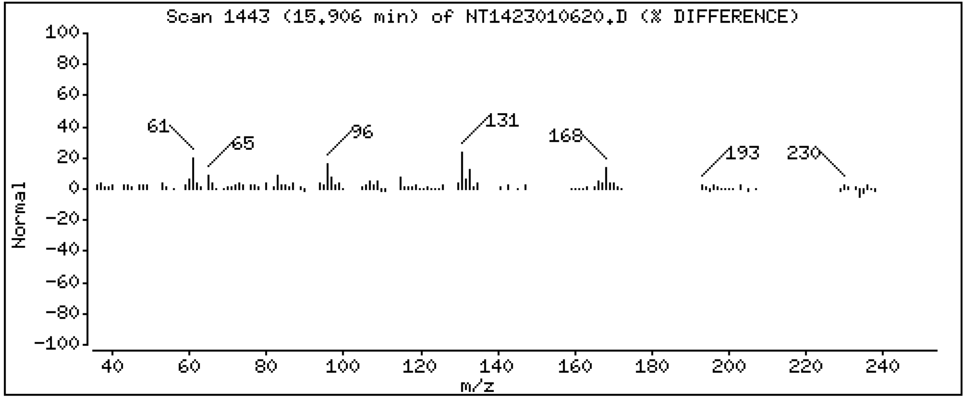












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                                  ARI Labs, Inc.

                       Semivolatile Report SW846 Method 8270D
Data file : \\target\share\chem3\nt14.i\20230106.b\NT1423010620.D
Lab Smp Id: SLA0068-LCV2
Inj Date  : 06-JAN-2023 23:03           MS Autotune Date: 17-MAY-2011 01:22
Operator  : VTS                         Inst ID: nt14.i
Smp Info  : SLA0068-LCV2
Misc Info :
Comment   : 1ul Injection
Method    : \\target\share\chem3\nt14.i\20230106.b\ABN.m
Meth Date : 12-Jan-2023 08:12 van       Quant Type: ISTD
Cal Date  : 30-DEC-2022 11:07           Cal File: NT1422123007.D
Als bottle: 3
Dil Factor: 1.00000
Integrator: HP RTE                      Compound Sublist: ICAL.sub
Target Version:  4.14
Processing Host: VANS-201906


                                                                                           CONCENTRATIONS
                                      QUANT SIG                                         ON-COLUMN    FINAL
Compounds                               MASS          RT   EXP RT   REL RT  RESPONSE    (ug/mL)     (ug/mL)
==========================              ====        ==== ======== ======== ========     =======     =======
$   1 2-Fluorophenol                     112        6.811   6.811 (0.754)      29640     0.63731      0.6373
$   2 Phenol-d5                           99        8.403   8.403 (0.930)      33186     0.57740      0.5774
    3 Phenol                              94        8.426   8.426 (0.932)      23676     0.36253      0.3625
$   5 2-Chlorophenol-d4                  132        8.673   8.673 (0.960)      31074     0.64375      0.6438
    4 Bis(2-Chloroethyl)ether             93        8.573   8.580 (0.949)      21388     0.47541      0.4754
    6 2-Chlorophenol                     128        8.704   8.704 (0.963)      22267     0.42003      0.4200
    7 1,3-Dichlorobenzene                146        8.975   8.975 (0.993)      26475     0.47097      0.4710
*   8 1,4-Dichlorobenzene-d4             152        9.037   9.037 (1.000)     145168     4.00000
    9 1,4-Dichlorobenzene                146        9.068   9.068 (1.003)      24625     0.46240      0.4624
$  10 1,2-Dichlorobenzene-d4             152        9.402   9.401 (1.040)      15089     0.45736      0.4574
   12 1,2-Dichlorobenzene                146        9.425   9.425 (1.043)      24098     0.46140      0.4614
   11 Benzyl alcohol                     108        9.549   9.308 (1.057)      18219     0.62665      0.6266
   14 2,2'-oxybis(1-Chloropropane)       121        9.611   9.611 (1.064)       6964     0.45991      0.4599(M)
   13 2-Methylphenol                     108        9.549   9.549 (1.057)      18671     0.39344      0.3934
   17 Hexachloroethane                   117       10.023  10.022 (1.109)       9108     0.46501      0.4650
   16 N-Nitroso-di-n-propylamine          70        9.867   9.867 (1.092)      14903     0.51552      0.5155
   15 4-Methylphenol                     108        9.821   9.813 (1.087)      16520     0.32999      0.3300
$  18 Nitrobenzene-d5                     82       10.131  10.131 (0.878)      22117     0.49232      0.4923
   19 Nitrobenzene                        77       10.170  10.170 (0.882)      21966     0.49233      0.4923
   20 Isophorone                          82       10.620  10.620 (0.921)      27545     0.48441      0.4844
   21 2-Nitrophenol                      139       10.806  10.806 (0.937)      11746     0.43021      0.4302
   22 2,4-Dimethylphenol                 107       10.868  10.868 (0.942)      33304     0.71521      0.7152
   23 Bis(2-Chloroethoxy)methane          93       11.054  11.054 (0.958)      20464     0.46261      0.4626
   24 Benzoic acid                       105       10.985  11.062 (0.952)       2945     0.10392      0.1039
   25 2,4-Dichlorophenol                 162       11.272  11.271 (0.977)      24339     0.62008      0.6201
   26 1,2,4-Trichlorobenzene             180       11.450  11.449 (0.993)      23266     0.54819      0.5482
*  27 Naphthalene-d8                     136       11.535  11.534 (1.000)     532003     4.00000
   28 Naphthalene                        128       11.581  11.581 (1.004)      61481     0.46959      0.4696
   29 4-Chloroaniline                    127       11.704  11.712 (1.015)      43723     0.80980      0.8098
   30 Hexachlorobutadiene                225       11.952  11.951 (1.036)      12098     0.57451      0.5745
   31 4-Chloro-3-methylphenol            107       12.702  12.686 (1.101)      21619     0.58365      0.5836
   32 2-Methylnaphthalene                142       12.981  12.981 (1.125)      41365     0.43072      0.4307
   33 Hexachlorocyclopentadiene          237       13.453  13.453 (0.887)       2097     0.10435      0.1043
```

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Data File: \\target\share\chem3\nt14.i\20230106.b\NT1423010620.D Page 2
Report Date: 12-Jan-2023 08:13

                                                                                          CONCENTRATIONS
                                      QUANT SIG                                         ON-COLUMN    FINAL
Compounds                               MASS           RT   EXP RT   REL RT  RESPONSE    (ug/mL)    (ug/mL)
==========================              ====          ==== ======== ======== ========    =======    =======
   34 2,4,6-Trichlorophenol             196         13.608  13.607 (0.897)      14103    0.63556     0.6356
   35 2,4,5-Trichlorophenol             196         13.693  13.693 (0.903)      13410    0.52362     0.5236
$  36 2-Fluorobiphenyl                  172         13.770  13.770 (0.908)      41058    0.45933     0.4593
   37 2-Chloronaphthalene               162         13.979  13.979 (0.921)      35653    0.46885     0.4689
   38 2-Nitroaniline                     65         14.235  14.234 (0.938)      17514    0.87604     0.8760
   39 Dimethylphthalate                 163         14.668  14.668 (0.967)      36354    0.48488     0.4849
   40 Acenaphthylene                    152         14.854  14.853 (0.979)      53141    0.45832     0.4583
   41 2,6-Dinitrotoluene                165         14.807  14.807 (0.976)      14034    0.82942     0.8294
*  42 Acenaphthene-d10                  164         15.171  15.171 (1.000)     265857    4.00000
   43 3-Nitroaniline                    138         15.094  15.093 (0.995)      16826    0.81817     0.8182
   44 Acenaphthene                      153         15.233  15.240 (1.004)      33512    0.46599     0.4660
   45 2,4-Dinitrophenol                 184         15.318  15.302 (1.010)        713    0.04962    0.04962
   46 Dibenzofuran                      168         15.565  15.565 (1.026)      48807    0.45257     0.4526
   47 4-Nitrophenol                     109         15.472  15.433 (1.020)       2553    0.25941     0.2594
   48 2,4-Dinitrotoluene                165         15.619  15.619 (1.030)      17452    0.75175     0.7518
   50 Diethylphthalate                  149         16.130  16.137 (1.063)      54021    0.53010     0.5301
   49 Fluorene                          166         16.276  16.284 (1.073)      53603    0.46723     0.4672
   51 4-Chlorophenyl-phenylether        204         16.269  16.268 (1.072)      23619    0.42051     0.4205
   52 4-Nitroaniline                    138         16.361  16.361 (1.078)      18687    0.75439     0.7544
   53 4,6-Dinitro-2-methylphenol        198         16.461  16.461 (0.904)       9488    0.50460     0.5046
   54 N-Nitrosodiphenylamine            169         16.515  16.523 (0.907)      34148    0.44445     0.4445
$  55 2,4,6-Tribromophenol              330         16.816  16.816 (1.108)       5687    0.45603     0.4560
   56 4-Bromophenyl-phenylether         248         17.279  17.278 (0.949)      12575    0.43223     0.4322
   57 Hexachlorobenzene                 284         17.596  17.595 (0.966)      14504    0.45429     0.4543
   58 Pentachlorophenol                 266         17.960  17.952 (0.986)       1069    0.07732    0.07732
*  59 Phenanthrene-d10                  188         18.215  18.215 (1.000)     447747    4.00000
   60 Phenanthrene                      178         18.261  18.269 (1.003)      52744    0.45180     0.4518
   61 Anthracene                        178         18.354  18.362 (1.008)      51350    0.46076     0.4608
   62 Carbazole                         167         18.687  18.687 (1.026)      48402    0.44925     0.4493
   63 Di-n-butylphthalate               149         19.484  19.491 (1.070)      58515    0.48004     0.4800
   64 Fluoranthene                      202         20.652  20.652 (0.888)      52735    0.47783     0.4778
   65 Pyrene                            202         21.078  21.077 (0.906)      55409    0.47751     0.4775
$  66 Terphenyl-d14                     244         21.364  21.364 (0.918)      38337    0.46595     0.4659
   67 Butylbenzylphthalate              149         22.285  22.285 (0.958)      24890    0.56799     0.5680
   68 Benzo(a)anthracene                228         23.245  23.245 (0.999)      47963    0.46193     0.4619
*  69 Chrysene-d12                      240         23.269  23.276 (1.000)     342757    4.00000
   70 3,3'-Dichlorobenzidine            252         23.199  23.199 (0.997)      46709    1.46952      1.470
   71 Chrysene                          228         23.315  23.315 (1.002)      45006    0.45888     0.4589
   72 bis(2-Ethylhexyl)phthalate        149         23.315  23.315 (0.960)      34090    0.50575     0.5058
* 134 Di-n-octylphthalate-d4            153         24.298  24.298 (1.000)     606933    4.00000
   73 Di-n-octylphthalate               149         24.306  24.314 (1.000)      68846    0.47255     0.4726
   74 Benzo(b)fluoranthene              252         25.127  25.134 (0.970)      46308    0.40565     0.4056
   75 Benzo(k)fluoranthene              252         25.173  25.173 (0.972)      53847    0.46344     0.4634
   76 Benzo(a)pyrene                    252         25.785  25.785 (0.996)      45450    0.47893     0.4789
*  77 Perylene-d12                      264         25.901  25.901 (1.000)     363248    4.00000
   78 Indeno(1,2,3-cd)pyrene            276         28.567  28.574 (1.103)      51432    0.47675     0.4768
   79 Dibenzo(a,h)anthracene            278         28.590  28.582 (1.104)      42743    0.46625     0.4663
   80 Benzo(g,h,i)perylene              276         29.351  29.351 (1.133)      40108    0.44380     0.4438
   90 N-Nitrosodimethylamine             74           Compound Not Detected.
   91 Aniline                            93          8.488   8.487 (0.939)      56358    0.88628     0.8863
   93 Benzidine                         184         20.892  20.884 (0.898)      38087    0.90521     0.9052
  103 Pyridine                           79          4.649   4.633 (0.514)      47538    0.46707     0.4671
  105 1-methylnaphthalene               142         13.205  13.205 (1.145)      41120    0.44563     0.4456
  111 Azobenzene (1,2-DP-Hydrazine)      77         16.592  16.600 (1.094)      53149    0.53834     0.5383
```

```
                                                                                     CONCENTRATIONS
                                      QUANT SIG                                    ON-COLUMN    FINAL
Compounds                               MASS          RT    EXP RT   REL RT  RESPONSE   (ug/mL)    (ug/mL)
==========================              ====        ==== ======== ======== ========    =======    =======
  187 Total Benzofluoranthenes           252       25.173  25.134 (0.972)      95373    0.86415     0.8641
  120 2,3,4,6-Tetrachlorophenol          232       15.905  15.905 (1.048)       4269    0.22792     0.2279
```

QC Flag Legend

M - Compound response manually integrated.

Data File: \\target\share\chem3\nt14.i\20230106.b\NT1423010620.D Page 1
Report Date: 12-Jan-2023 08:13

ARI Labs, Inc.

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: nt14.i
Lab File ID: NT1423010620.D
Lab Smp Id: SLA0068-LCV2
Analysis Type: SV
Quant Type: ISTD
Operator: VTS
Method File: \\target\share\chem3\nt14.i\20230106.b\ABN.m
Misc Info:

Calibration Date: 06-JAN-2023
Calibration Time: 22:27
Level:
Sample Type:

Test Mode:
Use Last Continuing Calibrator.

COMPOUND	STANDARD	AREA LIMIT LOWER	AREA LIMIT UPPER	SAMPLE	%DIFF
8 1,4-Dichlorobenze	114022	57011	228044	145168	27.32
27 Naphthalene-d8	420653	210327	841306	532003	26.47
42 Acenaphthene-d10	216802	108401	433604	265857	22.63
59 Phenanthrene-d10	366121	183061	732242	447747	22.29
69 Chrysene-d12	276883	138442	553766	342757	23.79
134 Di-n-octylphthala	540641	270321	1081282	606933	12.26
77 Perylene-d12	308305	154153	616610	363248	17.82

COMPOUND	STANDARD	RT LIMIT LOWER	RT LIMIT UPPER	SAMPLE	%DIFF
8 1,4-Dichlorobenze	9.04	8.54	9.54	9.04	0.00
27 Naphthalene-d8	11.53	11.03	12.03	11.54	0.00
42 Acenaphthene-d10	15.17	14.67	15.67	15.17	0.00
59 Phenanthrene-d10	18.22	17.72	18.72	18.22	0.00
69 Chrysene-d12	23.28	22.78	23.78	23.27	-0.03
134 Di-n-octylphthala	24.30	23.80	24.80	24.30	0.00
77 Perylene-d12	25.90	25.40	26.40	25.90	0.00

AREA UPPER LIMIT = +100% of internal standard area.
AREA LOWER LIMIT = - 50% of internal standard area.
RT UPPER LIMIT = + 0.50 minutes of internal standard RT.
RT LOWER LIMIT = - 0.50 minutes of internal standard RT.

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REVIEW SUMMARY FOR FILE - NT1423010620.D

Lab ID: SLA0068-LCV2
nt14.i,  20230106.b\ABN.m,    06-JAN-2023 23:03

     RT      CO-ELUTION COMPOUNDS
---------------------------------------------------------------------------

            NO CO-ELUTIONS


Quant Method: ICAL



        RRT CHECK

   RRT    CCV RRT   DELTA    COMPOUND
 -------------------------------------

  1.057    1.030    0.0266   Benzyl alcohol
  0.952    0.959   -0.0067   Benzoic acid

  RRT check based on Ccal File: NT1423010619.D

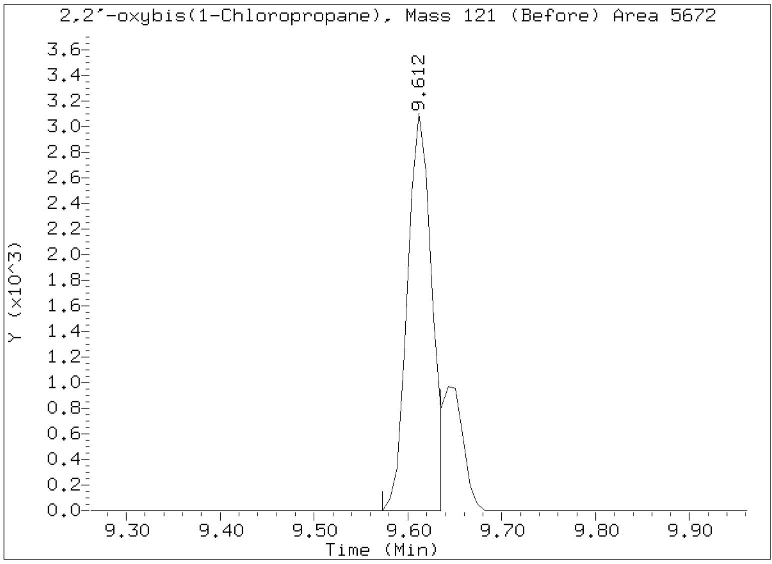

 On Column LOD for nt14.i, 20230106.b\ABN.m, ICAL.sub = 0.0000

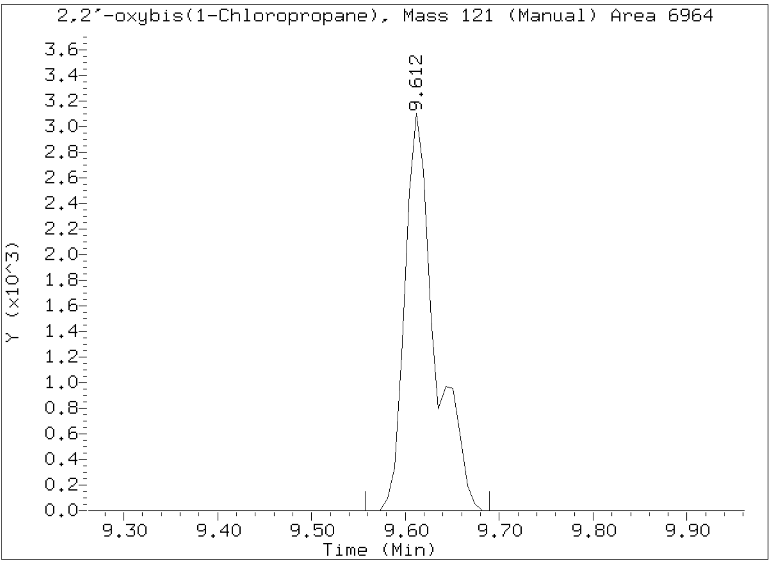


 * Only compounds listed in the work order have been verified by the analyst *
```

Quant Ion Manual Peak Adjustment Report

Datafile: //target/share/chem3/nt14.i/20230106.b/NT1423010620.D
Injection Date: 06-JAN-2023 23:03
Lab ID:SLA0068-LCV2 Client ID:
Report Date: 01/12/2023 08:13





Analytical Resources, LLC
Analytical Chemists and Consultants

ANALYSIS BATCH (SEQUENCE) SUMMARY

EPA 8270E

Laboratory:	Analytical Resources, LLC	SDG:	22L0307
Client:	Anchor QEA, LLC	Project:	AOC4 UR Phase 3
Sequence:	SKL0355	Instrument:	NT14
		Calibration:	FL00066

Sample Name	Lab Sample ID	Lab File ID	Matrix	Analysis Date/Time
ABN 0.2	SKL0355-LCV3	NT1422123067.D	NA	01/01/23 00:06
ABN 0.5	SKL0355-LCV4	NT1422123068.D	NA	01/01/23 00:42
ZZZZZ	BKL0193-BLK1	NT1422123069.D	Solid	01/01/23 01:18
ZZZZZ	BKL0193-BS1	NT1422123070.D	Solid	01/01/23 01:53
ZZZZZ	BKL0193-BSD1	NT1422123071.D	Solid	01/01/23 02:29
ZZZZZ	BKL0193-SRM1	NT1422123072.D	Solid	01/01/23 03:05
ZZZZZ	22L0104-01	NT1422123073.D	Solid	01/01/23 03:41
ZZZZZ	22L0104-02	NT1422123074.D	Solid	01/01/23 04:17
ZZZZZ	22L0136-01	NT1422123075.D	Solid	01/01/23 04:53
ZZZZZ	22L0136-08	NT1422123076.D	Solid	01/01/23 05:29
ZZZZZ	22L0136-09	NT1422123077.D	Solid	01/01/23 06:05
ZZZZZ	BKL0193-MS1	NT1422123078.D	Solid	01/01/23 06:41
ZZZZZ	BKL0193-MSD1	NT1422123079.D	Solid	01/01/23 07:17
ZZZZZ	22L0136-10	NT1422123080.D	Solid	01/01/23 07:53
ZZZZZ	22L0136-11	NT1422123081.D	Solid	01/01/23 08:29
ZZZZZ	22L0136-12	NT1422123082.D	Solid	01/01/23 09:05
ABN 5	SKL0355-CCV1	NT1422123083.D	NA	01/01/23 09:41
MS Tune	SKL0355-TUN1	NT1422123001.D	NA	12/30/22 07:53
CAL 5	SKL0355-CAL5	NT1422123002.D	NA	12/30/22 08:06
CAL 20	SKL0355-CAL7	NT1422123003.D	NA	12/30/22 08:42
CAL 0.2	SKL0355-CAL1	NT1422123004.D	NA	12/30/22 09:18
CAL 10	SKL0355-CAL6	NT1422123005.D	NA	12/30/22 09:54
CAL 0.5	SKL0355-CAL2	NT1422123006.D	NA	12/30/22 10:30
CAL 2.5	SKL0355-CAL4	NT1422123007.D	NA	12/30/22 11:07
CAL 1.0	SKL0355-CAL3	NT1422123008.D	NA	12/30/22 11:43
SICV1	SKL0355-ICV1	NT1422123011.D	NA	12/30/22 13:31
Initial Cal Blank	SKL0355-ICB1	NT1422123012.D	NA	12/30/22 14:08
ABN 5	SKL0355-ICV2	NT1422123014.D	NA	12/30/22 15:53
ZZZZZ	22K0241-02RE1	NT1422123038.D	Solid	12/31/22 06:20

ANALYSIS BATCH (SEQUENCE) SUMMARY

EPA 8270E

Laboratory:	Analytical Resources, LLC	SDG:	22L0307
Client:	Anchor QEA, LLC	Project:	AOC4 UR Phase 3
Sequence:	SKL0355	Instrument:	NT14
		Calibration:	FL00066

Sample Name	Lab Sample ID	Lab File ID	Matrix	Analysis Date/Time
ZZZZZ	22K0399-08RE1	NT1422123039.D	Solid	12/31/22 06:56
ZZZZZ	22K0399-19RE1	NT1422123040.D	Solid	12/31/22 07:32
ZZZZZ	22K0399-22RE1	NT1422123041.D	Solid	12/31/22 08:08
ZZZZZ	22K0399-29RE1	NT1422123042.D	Solid	12/31/22 08:44
ABN 5	SKL0355-ICV4	NT1422123049.D	NA	12/31/22 13:17
ABN 0.2	SKL0355-LCV1	NT1422123051.D	NA	12/31/22 14:29
ABN 0.5	SKL0355-LCV2	NT1422123052.D	NA	12/31/22 15:05
ZZZZZ	22K0021-01RE1	NT1422123060.D	Solid	12/31/22 19:54
ZZZZZ	22K0045-01RE1	NT1422123061.D	Solid	12/31/22 20:30
ZZZZZ	22K0045-02RE1	NT1422123062.D	Solid	12/31/22 21:06
ZZZZZ	22K0045-03RE1	NT1422123063.D	Solid	12/31/22 21:42
ZZZZZ	22K0045-04RE1	NT1422123064.D	Solid	12/31/22 22:18
ZZZZZ	22K0045-05RE1	NT1422123065.D	Solid	12/31/22 22:54
ABN 5	SKL0355-ICV5	NT1422123066.D	NA	12/31/22 23:30

Analytical Resources, LLC
Analytical Chemists and Consultants

Printed: 1/4/2023 8:44:50AM

ANALYSIS SEQUENCE

SKL0355

Instrument:	NT14	Element Column ID:	K005461
Calibration ID:	FL00066	Tune File:	221222.U
EM Voltage:	1647		

Lab Number	Sample Name	Analysis	Container	Order	STD ID	ISTD ID	Analyzed	File ID	Analyst	Comments
SKL0355-TUN1	MS Tune	QC		1	K004775		12/30/2022 07:53	NT1422123001.D	VTS	
SKL0355-CAL5	CAL 5	QC		2	K011109	K010831	12/30/2022 08:06	NT1422123002.D	VTS	
SKL0355-CAL7	CAL 20	QC		3	K011111	K010831	12/30/2022 08:42	NT1422123003.D	VTS	
SKL0355-CAL1	CAL 0.2	QC		4	K011105	K010831	12/30/2022 09:18	NT1422123004.D	VTS	
SKL0355-CAL6	CAL 10	QC		5	K011110	K010831	12/30/2022 09:54	NT1422123005.D	VTS	
SKL0355-CAL2	CAL 0.5	QC		6	K011106	K010831	12/30/2022 10:30	NT1422123006.D	VTS	
SKL0355-CAL4	CAL 2.5	QC		7	K011108	K010831	12/30/2022 11:07	NT1422123007.D	VTS	
SKL0355-CAL3	CAL 1.0	QC		8	K011107	K010831	12/30/2022 11:43	NT1422123008.D	VTS	
SKL0355-ICV1	SICV1	QC		9	K010066	K010831	12/30/2022 13:31	NT1422123011.D	VTS	
SKL0355-ICB1	Initial Cal Blank	QC		10	K005156	K010831	12/30/2022 14:08	NT1422123012.D	VTS	
SKL0355-ICV2	ABN 5	QC		11	K011109	K010831	12/30/2022 15:53	NT1422123014.D	VTS	
SKL0355-ICV3	ABN 5	QC		12	K011109	K010831				
22K0241-02RE1	HL-20221110	(20ug/kg solid or 0.2ug/L l	D 03	13		K010831	12/31/2022 06:20	NT1422123038.D	VTS	Added 1/3/2023 by VTS
22K0399-08RE1	DM-15-S-Dup	(20ug/kg solid or 0.2ug/L l	B 01	14		K010831	12/31/2022 06:56	NT1422123039.D	VTS	Added 12/24/2022 by VTS
22K0399-19RE1	DM-20-C-0-1	(20ug/kg solid or 0.2ug/L l	B 01	15		K010831	12/31/2022 07:32	NT1422123040.D	VTS	Added 12/23/2022 by VTS
22K0399-22RE1	DM-11-C-1-3	(20ug/kg solid or 0.2ug/L l	B 01	16		K010831	12/31/2022 08:08	NT1422123041.D	VTS	Added 12/23/2022 by VTS
22K0399-29RE1	DM-08-C-1-3	(20ug/kg solid or 0.2ug/L l	B 01	17		K010831	12/31/2022 08:44	NT1422123042.D	VTS	Added 12/31/2022 by VTS
SKL0355-ICV4	ABN 5	QC		18	K011109	K010831				
22K0021-01RE1	EWWST9-110122	(20ug/kg solid or 0.2ug/L l	A 02	19		K010831				Added 12/20/2022 by VTS
22K0045-01RE1	304509-01	(20ug/kg solid or 0.2ug/L l	A 02	20		K010831				Added 12/20/2022 by VTS
22K0045-02RE1	304509-02	(20ug/kg solid or 0.2ug/L l	A 02	21		K010831				Added 12/20/2022 by VTS
22K0045-03RE1	304509-03	(20ug/kg solid or 0.2ug/L l	A 02	22		K010831				Added 12/20/2022 by VTS

Printed: 1/4/2023 8:44:50AM

ANALYSIS SEQUENCE

SKL0355

Instrument:	NT14	Element Column ID:	K005461
Calibration ID:	FL00066	Tune File:	221222.U
EM Voltage:	1647		

Lab Number	Sample Name	Analysis	Container	Order	STD ID	ISTD ID	Analyzed	File ID	Analyst	Comments
22K0045-04RE1	304509-04	(20ug/kg solid or 0.2ug/L l	A 02	23		K010831				Added 12/20/2022 by VTS
22K0045-05RE1	304509-05	(20ug/kg solid or 0.2ug/L l	A 02	24		K010831				Added 12/20/2022 by VTS
SKL0355-ICV5	ABN 5	QC		25	K011109	K010831				
BKL0193-BLK1	Blank	QC		26		K010831				
BKL0193-BS1	LCS	QC		27		K010831				
BKL0193-BSD1	LCS Dup	QC		28		K010831				
BKL0193-SRM1	Reference	QC		29		K010831				
BKL0193-MS1	Matrix Spike	QC		30		K010831				
BKL0193-MSD1	Matrix Spike Dup	QC		31		K010831				
22L0104-01	LDW22-SS773	(20ug/kg solid or 0.2ug/L l	B 02	32		K010831				
22L0104-02	LDW22-SS774	(20ug/kg solid or 0.2ug/L l	B 02	33		K010831				If started finish and hold extract
22L0136-01	LDW22-SS823	(20ug/kg solid or 0.2ug/L l	A 02	34		K010831				
22L0136-08	LDW22-SS786	(20ug/kg solid or 0.2ug/L l	A 02	35		K010831				
22L0136-09	LDW22-SS766	(20ug/kg solid or 0.2ug/L l	A 02	36		K010831				
22L0136-10	LDW22-SS771	(20ug/kg solid or 0.2ug/L l	A 02	37		K010831				
22L0136-11	LDW22-SS771-FD	(20ug/kg solid or 0.2ug/L l	A 02	38		K010831				
22L0136-12	LDW22-SS772	(20ug/kg solid or 0.2ug/L l	A 02	39		K010831				
SKL0355-CCV1	ABN 5	QC		40	K011109	K010834				

INTERNAL STANDARD SUMMARY FOR DATABATCH - \\target\share\chem3\nt14.i\20221230.b

```
    Time   Filename    LabID     ClientId       DF
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 1  0753  NT1422123001.D   SKL0355-TUN1                1  |NO ISTDS FOUND||
--------------------------------------------------------------------------------------------------------------------------------------------------------------------
 2  0806  NT1422123002.D   SKL0355-CAL5                1  | 9.18   151013||11.69   553510||15.33   305411||18.38   491708||23.42   424740||26.10   395150||24.44   684951|
--------------------------------------------------------------------------------------------------------------------------------------------------------------------
 3  0842  NT1422123003.D   SKL0355-CAL7                1  | 9.18   143300||11.70   507556||15.33   290278||18.38   423275||23.42   399899||26.11   359748||24.44   687276|
--------------------------------------------------------------------------------------------------------------------------------------------------------------------
 4  0918  NT1422123004.D   SKL0355-CAL1                1  | 9.18   156948||11.69   570074||15.33   297614||18.37   498496||23.41   404183||26.10   371728||24.44   540769|
--------------------------------------------------------------------------------------------------------------------------------------------------------------------
 5  0954  NT1422123005.D   SKL0355-CAL6                1  | 9.18   144388||11.69   520524||15.33   291597||18.38   457445||23.42   408635||26.10   373712||24.44   652062|
--------------------------------------------------------------------------------------------------------------------------------------------------------------------
 6  1030  NT1422123006.D   SKL0355-CAL2                1  | 9.18   156057||11.69   571985||15.33   301808||18.37   495600||23.41   403440||26.10   378046||24.44   538411|
--------------------------------------------------------------------------------------------------------------------------------------------------------------------
 7  1107  NT1422123007.D   SKL0355-CAL4                1  | 9.18   144333||11.69   532256||15.33   287473||18.37   465065||23.41   401380||26.10   368275||24.44   554407|
--------------------------------------------------------------------------------------------------------------------------------------------------------------------
 8  1143  NT1422123008.D   SKL0355-CAL3                1  | 9.18   148086||11.69   558364||15.33   288519||18.37   472142||23.41   394732||26.10   370479||24.44   526757|
--------------------------------------------------------------------------------------------------------------------------------------------------------------------
 9  1219  NT1422123009.D   SKL0356-CAL1                1  | 9.18   146141||11.69   533259||15.33   275387||18.37   457503||23.41   370157||26.10   345259||24.44   434329|
--------------------------------------------------------------------------------------------------------------------------------------------------------------------
10  1255  NT1422123010.D                             1  | 9.18   150179||11.69   554597||15.33   282107||18.37   470125||23.41   374625||26.10   352812||24.44   438400|
--------------------------------------------------------------------------------------------------------------------------------------------------------------------
11  1331  NT1422123011.D   SKL0355-ICV1                1  | 9.18   145276||11.69   542519||15.33   292314||18.37   478070||23.42   412507||26.10   379639||24.44   590464|
--------------------------------------------------------------------------------------------------------------------------------------------------------------------
12  1408  NT1422123012.D   SKL0355-ICB1                1  | 9.18   174509||11.69   641934||15.33   335436||18.37   560033||23.41   444498||26.10   423100||24.44   541261|
--------------------------------------------------------------------------------------------------------------------------------------------------------------------
13  1516  NT1422123013.D              NOT USING      1  | 9.18   146864||11.69   550707||15.33   275006||18.37   643649||23.42   583196||26.11   599166||24.44   900001|
--------------------------------------------------------------------------------------------------------------------------------------------------------------------
14  1553  NT1422123014.D   SKL0355-ICV2                1  | 9.18   130476||11.69   484478||15.33   261445||18.37   412822||23.41   349122||26.10   327130||24.44   522046|
--------------------------------------------------------------------------------------------------------------------------------------------------------------------
15  1629  NT1422123015.D                             1  | 9.18   132066||11.69   499724||15.33   257503||18.37   413048||23.41   335724||26.09   308207||24.44   434247|
--------------------------------------------------------------------------------------------------------------------------------------------------------------------
16  1705  NT1422123016.D   BKK0733-BLK1                1  | 9.18   126906||11.69   483124||15.32   256877||18.37   444495||23.41   333261||26.09   320178||24.44   495841|
--------------------------------------------------------------------------------------------------------------------------------------------------------------------
17  1741  NT1422123017.D   BKK0733-BS1                1  | 9.18   124003||11.69   465208||15.33   251001||18.37   418062||23.41   342657||26.10   324681||24.44   577170|
--------------------------------------------------------------------------------------------------------------------------------------------------------------------
18  1818  NT1422123018.D   BKK0733-BSD1                1  | 9.18   124976||11.69   467689||15.33   258016||18.37   428907||23.41   356316||26.09   340564||24.44   643011|
--------------------------------------------------------------------------------------------------------------------------------------------------------------------
19  1854  NT1422123019.D   22K0399-01                1  | 9.18   121953||11.69   458530||15.32   242934||18.37   396367||23.41   291013||26.10   344522||24.44   561675|
--------------------------------------------------------------------------------------------------------------------------------------------------------------------
20  1930  NT1422123020.D   BKK0733-MS1                1  | 9.18   115884||11.69   434586||15.33   230677||18.38   374636||23.42   295274||26.11   347439||24.44   560195|
--------------------------------------------------------------------------------------------------------------------------------------------------------------------
```

INTERNAL STANDARD SUMMARY FOR DATABATCH - \\target\share\chem3\nt14.i\20221230.b

```
    Time   Filename    LabID     ClientId       DF
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21  2006  NT1422123021.D   BKK0733-MSD1              1  | 9.18   115038||11.69   422786||15.33   231453||18.38   377450||23.42   296619||26.11   342779||24.44   551214|
---------------------------------------------------------------------------------------------------------------------------------------------------------------------------
22  2042  NT1422123022.D   22K0399-07              1  | 9.18   118717||11.69   440463||15.33   235964||18.38   394316||23.42   287701||26.11   334549||24.44   535369|
---------------------------------------------------------------------------------------------------------------------------------------------------------------------------
23  2119  NT1422123023.D   22K0399-08              1  | 9.18   119344||11.69   442541||15.33   234795||18.38   389401||23.42   283797||26.11   329236||24.44   507254|
---------------------------------------------------------------------------------------------------------------------------------------------------------------------------
24  2155  NT1422123024.D   22K0399-31              1  | 9.18   120549||11.69   456717||15.33   235065||18.38   385218||23.42   290921||26.12   332471||24.44   522799|
---------------------------------------------------------------------------------------------------------------------------------------------------------------------------
25  2231  NT1422123025.D   22K0399-43              1  | 9.18   115488||11.69   438973||15.33   230528||18.38   372346||23.42   316873||26.13   312137||24.45   540998|
---------------------------------------------------------------------------------------------------------------------------------------------------------------------------
26  2307  NT1422123026.D   22K0399-44              1  | 9.18   114799||11.69   429093||15.33   225512||18.38   375444||23.42   344033||26.14   334179||24.45   548267|
---------------------------------------------------------------------------------------------------------------------------------------------------------------------------
27  2343  NT1422123027.D   BKK0733-SRM1              1  | 9.18   116509||11.69   420160||15.33   224093||18.38   385101||23.42   308820||26.10   324504||24.44   539884|
---------------------------------------------------------------------------------------------------------------------------------------------------------------------------
```

MANUAL INTEGRATION SUMMARY FOR DATABATCH - \\target\share\chem3\nt14.i\20221230.b

Instrument: nt14.i   Date: 30-DEC-2022

Time	Filename	LabID	DF	Manually Integrated Compounds
0753	NT1422123001.D	SKL0355-TUN1	1	NO MANUAL INTEGRATION
0806	NT1422123002.D	SKL0355-CAL5	1	2,2'-oxybis(1-Chloropropane), Benzo(g,h,i)perylene,
0842	NT1422123003.D	SKL0355-CAL7	1	2,2'-oxybis(1-Chloropropane),
0918	NT1422123004.D	SKL0355-CAL1	1	2,2'-oxybis(1-Chloropropane), Benzoic acid,
0954	NT1422123005.D	SKL0355-CAL6	1	2,2'-oxybis(1-Chloropropane),
1030	NT1422123006.D	SKL0355-CAL2	1	2,2'-oxybis(1-Chloropropane), Benzoic acid,
1107	NT1422123007.D	SKL0355-CAL4	1	2,2'-oxybis(1-Chloropropane),
1143	NT1422123008.D	SKL0355-CAL3	1	2,2'-oxybis(1-Chloropropane),
1219	NT1422123009.D	SKL0356-CAL1	1	NO MANUAL INTEGRATION
1255	NT1422123010.D		1	NO MANUAL INTEGRATION
1331	NT1422123011.D	SKL0355-ICV1	1	NO MANUAL INTEGRATION
1408	NT1422123012.D	SKL0355-ICB1	1	NO MANUAL INTEGRATION
1516	NT1422123013.D		1	NO MANUAL INTEGRATION
1553	NT1422123014.D	SKL0355-ICV2	1	NO MANUAL INTEGRATION
1629	NT1422123015.D		1	NO MANUAL INTEGRATION
1705	NT1422123016.D	BKK0733-BLK1	1	NO MANUAL INTEGRATION
1741	NT1422123017.D	BKK0733-BS1	1	NO MANUAL INTEGRATION

MANUAL INTEGRATION SUMMARY FOR DATABATCH - \\target\share\chem3\nt14.i\20221230.b

Instrument: nt14.i   Date: 30-DEC-2022

Time	Filename	LabID	DF	Manually Integrated Compounds
1818	NT1422123018.D	BKK0733-BSD1	1	NO MANUAL INTEGRATION
1854	NT1422123019.D	22K0399-01	1	NO MANUAL INTEGRATION
1930	NT1422123020.D	BKK0733-MS1	1	NO MANUAL INTEGRATION
2006	NT1422123021.D	BKK0733-MSD1	1	NO MANUAL INTEGRATION
2042	NT1422123022.D	22K0399-07	1	NO MANUAL INTEGRATION
2119	NT1422123023.D	22K0399-08	1	NO MANUAL INTEGRATION
2155	NT1422123024.D	22K0399-31	1	NO MANUAL INTEGRATION
2231	NT1422123025.D	22K0399-43	1	NO MANUAL INTEGRATION
2307	NT1422123026.D	22K0399-44	1	NO MANUAL INTEGRATION
2343	NT1422123027.D	BKK0733-SRM1	1	NO MANUAL INTEGRATION

```
Security Status Report

Date: 04-Jan-2023 08:39

+-------------------------+--------------------------+----------------------------------------+
|           NT1422123001.D|               Data Locked|                  van, 04-Jan-2023 08:39|
|           NT1422123002.D|               Data Locked|                  van, 04-Jan-2023 08:39|
|           NT1422123003.D|               Data Locked|                  van, 04-Jan-2023 08:39|
|           NT1422123004.D|               Data Locked|                  van, 04-Jan-2023 08:39|
|           NT1422123005.D|               Data Locked|                  van, 04-Jan-2023 08:39|
|           NT1422123006.D|               Data Locked|                  van, 04-Jan-2023 08:39|
|           NT1422123007.D|               Data Locked|                  van, 04-Jan-2023 08:39|
|           NT1422123008.D|               Data Locked|                  van, 04-Jan-2023 08:39|
|           NT1422123009.D|               Data Locked|                  van, 04-Jan-2023 08:39|
|           NT1422123010.D|               Data Locked|                  van, 04-Jan-2023 08:39|
|           NT1422123011.D|               Data Locked|                  van, 04-Jan-2023 08:39|
|           NT1422123012.D|               Data Locked|                  van, 04-Jan-2023 08:39|
|           NT1422123013.D|               Data Locked|                  van, 04-Jan-2023 08:39|
|           NT1422123014.D|               Data Locked|                  van, 04-Jan-2023 08:39|
|           NT1422123015.D|               Data Locked|                  van, 04-Jan-2023 08:39|
|           NT1422123016.D|               Data Locked|                  van, 04-Jan-2023 08:39|
|           NT1422123017.D|               Data Locked|                  van, 04-Jan-2023 08:39|
|           NT1422123018.D|               Data Locked|                  van, 04-Jan-2023 08:39|
|           NT1422123019.D|               Data Locked|                  van, 04-Jan-2023 08:39|
|           NT1422123020.D|               Data Locked|                  van, 04-Jan-2023 08:39|
|           NT1422123021.D|               Data Locked|                  van, 04-Jan-2023 08:39|
|           NT1422123022.D|               Data Locked|                  van, 04-Jan-2023 08:39|
|           NT1422123023.D|               Data Locked|                  van, 04-Jan-2023 08:39|
|           NT1422123024.D|               Data Locked|                  van, 04-Jan-2023 08:39|
|           NT1422123025.D|               Data Locked|                  van, 04-Jan-2023 08:39|
|           NT1422123026.D|               Data Locked|                  van, 04-Jan-2023 08:39|
|           NT1422123027.D|               Data Locked|                  van, 04-Jan-2023 08:39|
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Printed: 1/4/2023 2:49:19PM

ANALYSIS SEQUENCE

SKL0355

Instrument:	NT14	Element Column ID:	K005461
Calibration ID:	FL00066	Tune File:	221222.U
EM Voltage:	1647		

Lab Number	Sample Name	Analysis	Container	Order	STD ID	ISTD ID	Analyzed	File ID	Analyst	Comments
SKL0355-TUN1	MS Tune	QC		1	K004775		12/30/2022 07:53	NT1422123001.D	VTS	
SKL0355-CAL5	CAL 5	QC		2	K011109	K010831	12/30/2022 08:06	NT1422123002.D	VTS	
SKL0355-CAL7	CAL 20	QC		3	K011111	K010831	12/30/2022 08:42	NT1422123003.D	VTS	
SKL0355-CAL1	CAL 0.2	QC		4	K011105	K010831	12/30/2022 09:18	NT1422123004.D	VTS	
SKL0355-CAL6	CAL 10	QC		5	K011110	K010831	12/30/2022 09:54	NT1422123005.D	VTS	
SKL0355-CAL2	CAL 0.5	QC		6	K011106	K010831	12/30/2022 10:30	NT1422123006.D	VTS	
SKL0355-CAL4	CAL 2.5	QC		7	K011108	K010831	12/30/2022 11:07	NT1422123007.D	VTS	
SKL0355-CAL3	CAL 1.0	QC		8	K011107	K010831	12/30/2022 11:43	NT1422123008.D	VTS	
SKL0355-ICV1	SICV1	QC		9	K010066	K010831	12/30/2022 13:31	NT1422123011.D	VTS	
SKL0355-ICB1	Initial Cal Blank	QC		10	K005156	K010831	12/30/2022 14:08	NT1422123012.D	VTS	
SKL0355-ICV2	ABN 5	QC		11	K011109	K010831	12/30/2022 15:53	NT1422123014.D	VTS	
SKL0355-ICV3	ABN 5	QC		12	K011109	K010831				
22K0241-02RE1	HL-20221110	(20ug/kg solid or 0.2ug/L l	D 03	13		K010831	12/31/2022 06:20	NT1422123038.D	VTS	Added 1/3/2023 by VTS
22K0399-08RE1	DM-15-S-Dup	(20ug/kg solid or 0.2ug/L l	B 01	14		K010831	12/31/2022 06:56	NT1422123039.D	VTS	Added 12/24/2022 by VTS
22K0399-19RE1	DM-20-C-0-1	(20ug/kg solid or 0.2ug/L l	B 01	15		K010831	12/31/2022 07:32	NT1422123040.D	VTS	Added 12/23/2022 by VTS
22K0399-22RE1	DM-11-C-1-3	(20ug/kg solid or 0.2ug/L l	B 01	16		K010831	12/31/2022 08:08	NT1422123041.D	VTS	Added 12/23/2022 by VTS
22K0399-29RE1	DM-08-C-1-3	(20ug/kg solid or 0.2ug/L l	B 01	17		K010831	12/31/2022 08:44	NT1422123042.D	VTS	Added 12/31/2022 by VTS
SKL0355-ICV4	ABN 5	QC		18	K011109	K010831	12/31/2022 13:17	NT1422123049.D	VTS	
SKL0355-LCV1	ABN 0.2	QC		19	K011105	K010831	12/31/2022 14:29	NT1422123051.D	VTS	
SKL0355-LCV2	ABN 0.5	QC		20	K011106	K010831	12/31/2022 15:05	NT1422123052.D	VTS	
BKL0091-BLK1	Blank	QC		21		K010831	12/31/2022 16:54	NT1422123055.D	VTS	
BKL0091-BS1	LCS	QC		22		K010831	12/31/2022 17:30	NT1422123056.D	VTS	

Printed: 1/4/2023 2:49:19PM

ANALYSIS SEQUENCE

SKL0355

Instrument: NT14
Calibration ID: FL00066
EM Voltage: 1647
Element Column ID: K005461
Tune File: 221222.U

Lab Number	Sample Name	Analysis	Container	Order	STD ID	ISTD ID	Analyzed	File ID	Analyst	Comments
BKL0091-BSD1	LCS Dup	QC		23		K010831	12/31/2022 18:06	NT1422123057.D	VTS	
22L0029-01	SS-12-01-2022	625 SVOC 0.2ug/L	B 01	24		K010831	12/31/2022 18:42	NT1422123058.D	VTS	version
22L0065-03	304881-10	625 SVOC 0.2ug/L	B 01	25		K010831	12/31/2022 19:18	NT1422123059.D	VTS	Version
22K0021-01RE1	EWWST9-110122	(20ug/kg solid or 0.2ug/L l	A 02	26		K010831	12/31/2022 19:54	NT1422123060.D	VTS	Added 12/20/2022 by VTS
22K0045-01RE1	304509-01	(20ug/kg solid or 0.2ug/L l	A 02	27		K010831	12/31/2022 20:30	NT1422123061.D	VTS	Added 12/20/2022 by VTS
22K0045-02RE1	304509-02	(20ug/kg solid or 0.2ug/L l	A 02	28		K010831	12/31/2022 21:06	NT1422123062.D	VTS	Added 12/20/2022 by VTS
22K0045-03RE1	304509-03	(20ug/kg solid or 0.2ug/L l	A 02	29		K010831	12/31/2022 21:42	NT1422123063.D	VTS	Added 12/20/2022 by VTS
22K0045-04RE1	304509-04	(20ug/kg solid or 0.2ug/L l	A 02	30		K010831	12/31/2022 22:18	NT1422123064.D	VTS	Added 12/20/2022 by VTS
22K0045-05RE1	304509-05	(20ug/kg solid or 0.2ug/L l	A 02	31		K010831	12/31/2022 22:54	NT1422123065.D	VTS	Added 12/20/2022 by VTS
SKL0355-ICV5	ABN 5	QC		32	K011109	K010831	12/31/2022 23:30	NT1422123066.D	VTS	
SKL0355-LCV3	ABN 0.2	QC		33	K011105	K010831	01/01/2023 00:06	NT1422123067.D	VTS	
SKL0355-LCV4	ABN 0.5	QC		34	K011106	K010831	01/01/2023 00:42	NT1422123068.D	VTS	
BKL0193-BLK1	Blank	QC		35		K010831	01/01/2023 01:18	NT1422123069.D	VTS	
BKL0193-BS1	LCS	QC		36		K010831	01/01/2023 01:53	NT1422123070.D	VTS	
BKL0193-BSD1	LCS Dup	QC		37		K010831	01/01/2023 02:29	NT1422123071.D	VTS	
BKL0193-SRM1	Reference	QC		38		K010831	01/01/2023 03:05	NT1422123072.D	VTS	
22L0104-01	LDW22-SS773	(20ug/kg solid or 0.2ug/L l	B 02	39		K010831	01/01/2023 03:41	NT1422123073.D	VTS	
22L0104-02	LDW22-SS774	(20ug/kg solid or 0.2ug/L l	B 02	40		K010831	01/01/2023 04:17	NT1422123074.D	VTS	If started finish and hold extract
22L0136-01	LDW22-SS823	(20ug/kg solid or 0.2ug/L l	A 02	41		K010831	01/01/2023 04:53	NT1422123075.D	VTS	
22L0136-08	LDW22-SS786	(20ug/kg solid or 0.2ug/L l	A 02	42		K010831	01/01/2023 05:29	NT1422123076.D	VTS	
22L0136-09	LDW22-SS766	(20ug/kg solid or 0.2ug/L l	A 02	43		K010831	01/01/2023 06:05	NT1422123077.D	VTS	
BKL0193-MS1	Matrix Spike	QC		44		K010831	01/01/2023 06:41	NT1422123078.D	VTS	

Printed: 1/4/2023 2:49:19PM

ANALYSIS SEQUENCE

SKL0355

Instrument:	NT14	Element Column ID:	K005461
Calibration ID:	FL00066	Tune File:	221222.U
EM Voltage:	1647		

Lab Number	Sample Name	Analysis	Container	Order	STD ID	ISTD ID	Analyzed	File ID	Analyst	Comments
BKL0193-MSD1	Matrix Spike Dup	QC		45		K010831	01/01/2023 07:17	NT1422123079.D	VTS	
22L0136-10	LDW22-SS771	(20ug/kg solid or 0.2ug/L l	A 02	46		K010831	01/01/2023 07:53	NT1422123080.D	VTS	
22L0136-11	LDW22-SS771-FD	(20ug/kg solid or 0.2ug/L l	A 02	47		K010831	01/01/2023 08:29	NT1422123081.D	VTS	
22L0136-12	LDW22-SS772	(20ug/kg solid or 0.2ug/L l	A 02	48		K010831	01/01/2023 09:05	NT1422123082.D	VTS	
SKL0355-CCV1	ABN 5	QC		49	K011109	K010834	01/01/2023 09:41	NT1422123083.D	VTS	

INTERNAL STANDARD SUMMARY FOR DATABATCH - \\target\share\chem3\nt14.i\20221230A.b

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    Time   Filename    LabID     ClientId       DF
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 1  0019  NT1422123028.D   SKL0355-ICV2               1  | 9.18   139712||11.69   509927||15.33   279568||18.38   444668||23.42   371784||26.10   386160||24.44   654073|
--------------------------------------------------------------------------------------------------------------------------------------------------------------------
 2  0055  NT1422123029.D   SKL0356-ICV2               1  | 9.18   135477||11.69   503025||15.33   259166||18.37   415796||23.41   334927||26.10   348615||24.44   562504|
--------------------------------------------------------------------------------------------------------------------------------------------------------------------
 3  0131  NT1422123030.D   BKK0560-BLK2               1  |11.69     1368||15.33      337||23.86       58||24.43       86|
--------------------------------------------------------------------------------------------------------------------------------------------------------------------
 4  0207  NT1422123031.D   BKK0560-BS2               1  |15.33      408||24.44      248|
--------------------------------------------------------------------------------------------------------------------------------------------------------------------
 5  0243  NT1422123032.D   BKK0560-BSD2               1  |15.32      355||24.41      132|
--------------------------------------------------------------------------------------------------------------------------------------------------------------------
 6  0320  NT1422123033.D   22K0212-01               1  |18.37      113||24.44       52|
--------------------------------------------------------------------------------------------------------------------------------------------------------------------
 7  0356  NT1422123034.D   22K0299-01 2X               1  | 9.18       66||24.20       49|
--------------------------------------------------------------------------------------------------------------------------------------------------------------------
 8  0432  NT1422123035.D   22K0310-01               1  |18.35      706||24.79      110|
--------------------------------------------------------------------------------------------------------------------------------------------------------------------
 9  0508  NT1422123036.D   BKK0560-MS1               1  |24.87       52|
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10  0544  NT1422123037.D   BKK0560-MSD1               1  |NO ISTDS FOUND||
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11  0620  NT1422123038.D   22K0241-02RE1               4  | 9.17   121396||11.67   462972||15.29   247816||18.35   397958||23.40   387627||26.10   313553||24.43   659245|
--------------------------------------------------------------------------------------------------------------------------------------------------------------------
12  0656  NT1422123039.D   22K0399-08RE1               2  | 9.16   163197||11.67   611654||15.30   332237||18.35   559036||23.39   431438||26.08   454922||24.41   747763|
--------------------------------------------------------------------------------------------------------------------------------------------------------------------
13  0732  NT1422123040.D   22K0399-19RE1              10  | 9.16   139479||11.67   496175||15.30   260663||18.35   447728||23.39   340698||26.08   358481||24.41   585560|
--------------------------------------------------------------------------------------------------------------------------------------------------------------------
14  0808  NT1422123041.D   22K0399-22RE1               5  | 9.16   139282||11.67   515202||15.29   272578||18.35   446096||23.39   357267||26.08   368491||24.41   604173|
--------------------------------------------------------------------------------------------------------------------------------------------------------------------
15  0844  NT1422123042.D   22K0399-29RE1               2  | 9.16   153712||11.67   585190||15.30   301218||18.35   479149||23.41   460634||26.13   394133||24.44   610787|
--------------------------------------------------------------------------------------------------------------------------------------------------------------------
16  0940  NT1422123043.D   BKK0560-BLK2               1  | 9.18   124723||11.68   459190||15.32   231264||18.37   399583||23.41   293112||26.10   289721||24.43   529702|
--------------------------------------------------------------------------------------------------------------------------------------------------------------------
17  1016  NT1422123044.D   BKK0560-BS2               1  | 9.18   121338||11.68   439511||15.32   229261||18.37   388225||23.41   305397||26.10   293959||24.43   564137|
--------------------------------------------------------------------------------------------------------------------------------------------------------------------
18  1052  NT1422123045.D                             1  | 9.18   115895||11.68   422759||15.32   221759||18.37   374149||23.41   291057||26.09   285161||24.43   525277|
--------------------------------------------------------------------------------------------------------------------------------------------------------------------
19  1128  NT1422123046.D                             1  | 9.18   117710||11.67   436281||15.32   225229||18.36   385966||23.41   283030||26.09   268953||24.43   485056|
--------------------------------------------------------------------------------------------------------------------------------------------------------------------
20  1204  NT1422123047.D                             1  | 9.17   118248||11.67   439268||15.31   226618||18.36   379086||23.41   273873||26.09   271145||24.43   475249|
--------------------------------------------------------------------------------------------------------------------------------------------------------------------
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INTERNAL STANDARD SUMMARY FOR DATABATCH - \\target\share\chem3\nt14.i\20221230A.b

    Time   Filename    LabID     ClientId       DF
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21  1240  NT1422123048.D                             1  | 9.17   109898||11.68   403485||15.32   213643||18.37   353486||23.41   273228||26.09   276304||24.43   497312|
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MANUAL INTEGRATION SUMMARY FOR DATABATCH - \\target\share\chem3\nt14.i\20221230A.b

Instrument: nt14.i   Date: 31-DEC-2022

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Time  Filename          LabID             DF   Manually Integrated Compounds
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0019  NT1422123028.D   SKL0355-ICV2       1    2,2'-oxybis(1-Chloropropane),
---------------------------------------------------------------------------------------------------------------------------------------------------------------------
0055  NT1422123029.D   SKL0356-ICV2       1    NO MANUAL INTEGRATION
---------------------------------------------------------------------------------------------------------------------------------------------------------------------
0131  NT1422123030.D   BKK0560-BLK2       1    NO MANUAL INTEGRATION
---------------------------------------------------------------------------------------------------------------------------------------------------------------------
0207  NT1422123031.D   BKK0560-BS2        1    NO MANUAL INTEGRATION
---------------------------------------------------------------------------------------------------------------------------------------------------------------------
0243  NT1422123032.D   BKK0560-BSD2       1    NO MANUAL INTEGRATION
---------------------------------------------------------------------------------------------------------------------------------------------------------------------
0320  NT1422123033.D   22K0212-01         1    NO MANUAL INTEGRATION
---------------------------------------------------------------------------------------------------------------------------------------------------------------------
0356  NT1422123034.D   22K0299-01 2X      1    NO MANUAL INTEGRATION
---------------------------------------------------------------------------------------------------------------------------------------------------------------------
0432  NT1422123035.D   22K0310-01         1    NO MANUAL INTEGRATION
---------------------------------------------------------------------------------------------------------------------------------------------------------------------
0508  NT1422123036.D   BKK0560-MS1        1    NO MANUAL INTEGRATION
---------------------------------------------------------------------------------------------------------------------------------------------------------------------
0544  NT1422123037.D   BKK0560-MSD1       1    NO MANUAL INTEGRATION
---------------------------------------------------------------------------------------------------------------------------------------------------------------------
0620  NT1422123038.D   22K0241-02RE1      4    2-Methylphenol,     Indeno(1,2,3-cd)pyrene,     Dibenzo(a,h)anthracene,
---------------------------------------------------------------------------------------------------------------------------------------------------------------------
0656  NT1422123039.D   22K0399-08RE1      2    2-Methylphenol,
---------------------------------------------------------------------------------------------------------------------------------------------------------------------
0732  NT1422123040.D   22K0399-19RE1     10    NO MANUAL INTEGRATION
---------------------------------------------------------------------------------------------------------------------------------------------------------------------
0808  NT1422123041.D   22K0399-22RE1      5    2-Methylphenol,
---------------------------------------------------------------------------------------------------------------------------------------------------------------------
0844  NT1422123042.D   22K0399-29RE1      2    Benzo(k)fluoranthene,     Dibenzo(a,h)anthracene,
---------------------------------------------------------------------------------------------------------------------------------------------------------------------
0940  NT1422123043.D   BKK0560-BLK2       1    NO MANUAL INTEGRATION
---------------------------------------------------------------------------------------------------------------------------------------------------------------------
1016  NT1422123044.D   BKK0560-BS2        1    NO MANUAL INTEGRATION
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```

MANUAL INTEGRATION SUMMARY FOR DATABATCH - \\target\share\chem3\nt14.i\20221230A.b

Instrument: nt14.i   Date: 31-DEC-2022

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Time  Filename          LabID             DF   Manually Integrated Compounds
---------------------------------------------------------------------------------------------------------------------------------------------------------------------
1052  NT1422123045.D                      1    NO MANUAL INTEGRATION
---------------------------------------------------------------------------------------------------------------------------------------------------------------------
1128  NT1422123046.D                      1    NO MANUAL INTEGRATION
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1204  NT1422123047.D                      1    NO MANUAL INTEGRATION
---------------------------------------------------------------------------------------------------------------------------------------------------------------------
1240  NT1422123048.D                      1    NO MANUAL INTEGRATION
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Security Status Report

Date: 04-Jan-2023 14:50

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|           NT1422123028.D|               Data Locked|                  van, 04-Jan-2023 14:50|
|           NT1422123029.D|               Data Locked|                  van, 04-Jan-2023 14:50|
|           NT1422123030.D|               Data Locked|                  van, 04-Jan-2023 14:50|
|           NT1422123031.D|               Data Locked|                  van, 04-Jan-2023 14:50|
|           NT1422123032.D|               Data Locked|                  van, 04-Jan-2023 14:50|
|           NT1422123033.D|               Data Locked|                  van, 04-Jan-2023 14:50|
|           NT1422123034.D|               Data Locked|                  van, 04-Jan-2023 14:50|
|           NT1422123035.D|               Data Locked|                  van, 04-Jan-2023 14:50|
|           NT1422123036.D|               Data Locked|                  van, 04-Jan-2023 14:50|
|           NT1422123037.D|               Data Locked|                  van, 04-Jan-2023 14:50|
|           NT1422123038.D|               Data Locked|                  van, 04-Jan-2023 14:50|
|           NT1422123039.D|               Data Locked|                  van, 04-Jan-2023 14:50|
|           NT1422123040.D|               Data Locked|                  van, 04-Jan-2023 14:50|
|           NT1422123041.D|               Data Locked|                  van, 04-Jan-2023 14:50|
|           NT1422123042.D|               Data Locked|                  van, 04-Jan-2023 14:50|
|           NT1422123043.D|               Data Locked|                  van, 04-Jan-2023 14:50|
|           NT1422123044.D|               Data Locked|                  van, 04-Jan-2023 14:50|
|           NT1422123045.D|               Data Locked|                  van, 04-Jan-2023 14:50|
|           NT1422123046.D|               Data Locked|                  van, 04-Jan-2023 14:50|
|           NT1422123047.D|               Data Locked|                  van, 04-Jan-2023 14:50|
|           NT1422123048.D|               Data Locked|                  van, 04-Jan-2023 14:50|
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INTERNAL STANDARD SUMMARY FOR DATABATCH - \\target\share\chem3\nt14.i\20221230B.b

    Time   Filename    LabID     ClientId       DF
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 1  1317  NT1422123049.D   SKL0355-ICV4                 1  | 9.17   134439||11.68   492388||15.32   270679||18.37   429616||23.41   376030||26.09   336225||24.43   634628|
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 2  1353  NT1422123050.D   SKL0356-ICV4                 1  | 9.17   126626||11.67   474047||15.31   242925||18.36   394559||23.41   316434||26.09   278983||24.43   504730|
-------------------------------------------------------------------------------------------------------------------------------------------------------------------
 3  1429  NT1422123051.D   SKL0355-LCV1                 1  | 9.17   116397||11.67   425902||15.31   216598||18.36   347572||23.41   288877||26.09   247727||24.43   433122|
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 4  1505  NT1422123052.D   SKL0355-LCV2                 1  | 9.17   120125||11.67   431181||15.31   221457||18.36   356219||23.41   294883||26.09   255506||24.43   439623|
-------------------------------------------------------------------------------------------------------------------------------------------------------------------
 5  1542  NT1422123053.D   BKK0560-MSD1                 1  | 9.17    99244||11.67   363071||15.32   194217||18.36   318169||23.41   250764||26.09   239534||24.43   452805|
-------------------------------------------------------------------------------------------------------------------------------------------------------------------
 6  1618  NT1422123054.D   SKL0356-CCV1                 1  | 9.17   125371||11.67   466507||15.31   239021||18.36   383047||23.40   322456||26.09   270669||24.42   505735|
-------------------------------------------------------------------------------------------------------------------------------------------------------------------
 7  1654  NT1422123055.D   BKL0091-BLK1                 1  | 9.17    99940||11.67   356917||15.31   176772||18.36   298313||23.41   231661||26.09   199476||24.42   354510|
-------------------------------------------------------------------------------------------------------------------------------------------------------------------
 8  1730  NT1422123056.D   BKL0091-BS1                 1  | 9.17    99350||11.67   352626||15.31   181758||18.36   289259||23.40   244140||26.09   212744||24.42   391584|
-------------------------------------------------------------------------------------------------------------------------------------------------------------------
 9  1806  NT1422123057.D   BKL0091-BSD1                 1  | 9.17    97838||11.67   347207||15.31   180405||18.36   287059||23.40   238168||26.09   211088||24.43   387775|
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10  1842  NT1422123058.D   22L0029-01                 1  | 9.17    98638||11.67   383631||15.32   183285||18.37   326543||23.41   257753||26.09   243042||24.43   443851|
-------------------------------------------------------------------------------------------------------------------------------------------------------------------
11  1918  NT1422123059.D   22L0065-03                 1  | 9.17   103123||11.67   370933||15.31   191942||18.36   315771||23.40   243416||26.09   230791||24.42   429069|
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12  1954  NT1422123060.D   22K0021-01RE1                 1  | 9.17   100572||11.67   369922||15.31   198185||18.36   335740||23.42   361646||26.13   299060||24.44   512390|
-------------------------------------------------------------------------------------------------------------------------------------------------------------------
13  2030  NT1422123061.D   22K0045-01RE1                 1  | 9.17   109934||11.67   397551||15.31   204112||18.36   352470||23.41   303836||26.09   277088||24.42   502168|
-------------------------------------------------------------------------------------------------------------------------------------------------------------------
14  2106  NT1422123062.D   22K0045-02RE1                 1  | 9.17   103386||11.67   379073||15.31   195673||18.36   336828||23.40   264182||26.09   259801||24.42   460365|
-------------------------------------------------------------------------------------------------------------------------------------------------------------------
15  2142  NT1422123063.D   22K0045-03RE1                 1  | 9.16   109866||11.67   406488||15.31   210384||18.36   361943||23.40   279423||26.09   266664||24.42   493139|
-------------------------------------------------------------------------------------------------------------------------------------------------------------------
16  2218  NT1422123064.D   22K0045-04RE1                 1  | 9.16    99529||11.67   362743||15.31   191674||18.36   329098||23.40   257260||26.09   249194||24.42   448541|
-------------------------------------------------------------------------------------------------------------------------------------------------------------------
17  2254  NT1422123065.D   22K0045-05RE1                 1  | 9.16   111816||11.67   406931||15.31   217553||18.35   374767||23.40   297381||26.09   286134||24.42   520451|
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MANUAL INTEGRATION SUMMARY FOR DATABATCH - \\target\share\chem3\nt14.i\20221230B.b

Instrument: nt14.i   Date: 31-DEC-2022


Time  Filename          LabID             DF   Manually Integrated Compounds
---------------------------------------------------------------------------------------------------------------------------------------------------------------------
1317  NT1422123049.D   SKL0355-ICV4       1    2,2'-oxybis(1-Chloropropane),
---------------------------------------------------------------------------------------------------------------------------------------------------------------------
1353  NT1422123050.D   SKL0356-ICV4       1    NO MANUAL INTEGRATION
---------------------------------------------------------------------------------------------------------------------------------------------------------------------
1429  NT1422123051.D   SKL0355-LCV1       1    2,2'-oxybis(1-Chloropropane),     Benzoic acid,     2,4,5-Trichlorophenol,     2,4-Dinitrophenol,     4-Nitrophenol,     Pentachlo
                                                       2,4,6-Tribromophenol,
---------------------------------------------------------------------------------------------------------------------------------------------------------------------
1505  NT1422123052.D   SKL0355-LCV2       1    2,2'-oxybis(1-Chloropropane),     2,4-Dinitrophenol,     4-Nitrophenol,     Pentachlorophenol,
---------------------------------------------------------------------------------------------------------------------------------------------------------------------
1542  NT1422123053.D   BKK0560-MSD1       1    NO MANUAL INTEGRATION
---------------------------------------------------------------------------------------------------------------------------------------------------------------------
1618  NT1422123054.D   SKL0356-CCV1       1    NO MANUAL INTEGRATION
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1654  NT1422123055.D   BKL0091-BLK1       1    NO MANUAL INTEGRATION
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1730  NT1422123056.D   BKL0091-BS1        1    NO MANUAL INTEGRATION
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1806  NT1422123057.D   BKL0091-BSD1       1    NO MANUAL INTEGRATION
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1842  NT1422123058.D   22L0029-01         1    Benzoic acid,
---------------------------------------------------------------------------------------------------------------------------------------------------------------------
1918  NT1422123059.D   22L0065-03         1    NO MANUAL INTEGRATION
---------------------------------------------------------------------------------------------------------------------------------------------------------------------
1954  NT1422123060.D   22K0021-01RE1      1    Di-n-octylphthalate,     Benzo(k)fluoranthene,     Indeno(1,2,3-cd)pyrene,     Dibenzo(a,h)anthracene,
---------------------------------------------------------------------------------------------------------------------------------------------------------------------
2030  NT1422123061.D   22K0045-01RE1      1    Benzo(a)anthracene,
---------------------------------------------------------------------------------------------------------------------------------------------------------------------
2106  NT1422123062.D   22K0045-02RE1      1    Benzo(a)anthracene,     Benzo(a)pyrene,     Benzo(g,h,i)perylene,     Total Benzofluoranthenes,
---------------------------------------------------------------------------------------------------------------------------------------------------------------------
2142  NT1422123063.D   22K0045-03RE1      1    Benzo(k)fluoranthene,     Indeno(1,2,3-cd)pyrene,
---------------------------------------------------------------------------------------------------------------------------------------------------------------------
2218  NT1422123064.D   22K0045-04RE1      1    Phenol,     Benzo(k)fluoranthene,     Benzo(a)pyrene,     Benzo(g,h,i)perylene,     Total Benzofluoranthenes,
---------------------------------------------------------------------------------------------------------------------------------------------------------------------
2254  NT1422123065.D   22K0045-05RE1      1    Phenol,     Indeno(1,2,3-cd)pyrene,     Dibenzo(a,h)anthracene,
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Security Status Report

Date: 04-Jan-2023 14:52

+-------------------------+--------------------------+----------------------------------------+
|           NT1422123049.D|               Data Locked|                  van, 04-Jan-2023 14:51|
|           NT1422123050.D|               Data Locked|                  van, 04-Jan-2023 14:51|
|           NT1422123051.D|               Data Locked|                  van, 04-Jan-2023 14:51|
|           NT1422123052.D|               Data Locked|                  van, 04-Jan-2023 14:51|
|           NT1422123053.D|               Data Locked|                  van, 04-Jan-2023 14:51|
|           NT1422123054.D|               Data Locked|                  van, 04-Jan-2023 14:51|
|           NT1422123055.D|               Data Locked|                  van, 04-Jan-2023 14:51|
|           NT1422123056.D|               Data Locked|                  van, 04-Jan-2023 14:51|
|           NT1422123057.D|               Data Locked|                  van, 04-Jan-2023 14:51|
|           NT1422123058.D|               Data Locked|                  van, 04-Jan-2023 14:51|
|           NT1422123059.D|               Data Locked|                  van, 04-Jan-2023 14:51|
|           NT1422123060.D|               Data Locked|                  van, 04-Jan-2023 14:51|
|           NT1422123061.D|               Data Locked|                  van, 04-Jan-2023 14:51|
|           NT1422123062.D|               Data Locked|                  van, 04-Jan-2023 14:51|
|           NT1422123063.D|               Data Locked|                  van, 04-Jan-2023 14:51|
|           NT1422123064.D|               Data Locked|                  van, 04-Jan-2023 14:51|
|           NT1422123065.D|               Data Locked|                  van, 04-Jan-2023 14:51|
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INTERNAL STANDARD SUMMARY FOR DATABATCH - \\target\share\chem3\nt14.i\20221230C.b

    Time   Filename    LabID     ClientId       DF
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 1  2330  NT1422123066.D   SKL0355-ICV5                1  | 9.16   138755||11.67   501723||15.31   275234||18.36   440085||23.40   384795||26.09   336665||24.42   674530|
------------------------------------------------------------------------------------------------------------------------------------------------------------------
 2  0006  NT1422123067.D   SKL0355-LCV3                1  | 9.16   109143||11.67   397029||15.31   204214||18.36   329657||23.40   269585||26.09   227797||24.42   449369|
------------------------------------------------------------------------------------------------------------------------------------------------------------------
 3  0042  NT1422123068.D   SKL0355-LCV4                1  | 9.16   113715||11.67   412900||15.30   210199||18.35   341756||23.40   291897||26.09   229756||24.42   463051|
------------------------------------------------------------------------------------------------------------------------------------------------------------------
 4  0118  NT1422123069.D   BKL0193-BLK1                1  | 9.16    92113||11.67   329342||15.30   165382||18.35   271589||23.40   203703||26.09   177895||24.42   341255|
------------------------------------------------------------------------------------------------------------------------------------------------------------------
 5  0153  NT1422123070.D   BKL0193-BS1                1  | 9.16    84612||11.67   308541||15.30   159985||18.35   260655||23.40   212958||26.08   183421||24.42   356784|
------------------------------------------------------------------------------------------------------------------------------------------------------------------
 6  0229  NT1422123071.D   BKL0193-BSD1                1  | 9.16    84823||11.67   309397||15.30   158920||18.35   257888||23.40   212537||26.08   179497||24.41   355260|
------------------------------------------------------------------------------------------------------------------------------------------------------------------
 7  0305  NT1422123072.D   BKL0193-SRM1                1  | 9.16    86260||11.67   315083||15.30   159935||18.35   269812||23.40   210765||26.08   179115||24.41   355122|
------------------------------------------------------------------------------------------------------------------------------------------------------------------
 8  0341  NT1422123073.D   22L0104-01                1  | 9.16    87784||11.67   313493||15.30   158263||18.35   272846||23.39   207110||26.08   191935||24.42   367137|
------------------------------------------------------------------------------------------------------------------------------------------------------------------
 9  0417  NT1422123074.D   22L0104-02                1  | 9.16    89149||11.67   317814||15.30   157290||18.35   268147||23.40   207625||26.09   176715||24.41   362397|
------------------------------------------------------------------------------------------------------------------------------------------------------------------
10  0453  NT1422123075.D   22L0136-01                1  | 9.16    86977||11.67   316023||15.30   157738||18.35   264591||23.40   220146||26.09   207692||24.42   390811|
------------------------------------------------------------------------------------------------------------------------------------------------------------------
11  0529  NT1422123076.D   22L0136-08                1  | 9.16    90666||11.67   324201||15.30   166361||18.35   280620||23.40   221328||26.09   206533||24.41   398181|
------------------------------------------------------------------------------------------------------------------------------------------------------------------
12  0605  NT1422123077.D   22L0139-09                1  | 9.16    89268||11.67   320325||15.30   163472||18.35   273676||23.40   214156||26.08   184962||24.41   378021|
------------------------------------------------------------------------------------------------------------------------------------------------------------------
13  0641  NT1422123078.D   BKL0193-MS1                1  | 9.16    84281||11.67   304250||15.30   157987||18.35   258132||23.40   204763||26.08   182161||24.42   376384|
------------------------------------------------------------------------------------------------------------------------------------------------------------------
14  0717  NT1422123079.D   BKL0193-MSD1                1  | 9.16    83089||11.67   297062||15.30   153282||18.35   252454||23.40   203015||26.08   180272||24.42   365012|
------------------------------------------------------------------------------------------------------------------------------------------------------------------
15  0753  NT1422123080.D   22L0136-10                1  | 9.16    85176||11.67   314063||15.30   159047||18.35   264157||23.40   208161||26.09   193384||24.42   370682|
------------------------------------------------------------------------------------------------------------------------------------------------------------------
16  0829  NT1422123081.D   22L0136-11                1  | 9.16    86936||11.67   318066||15.30   160091||18.35   269454||23.40   204439||26.09   187850||24.41   373381|
------------------------------------------------------------------------------------------------------------------------------------------------------------------
17  0905  NT1422123082.D   22L0136-12                1  | 9.16    85389||11.67   310291||15.30   157429||18.35   260367||23.40   202993||26.09   188657||24.42   372056|
------------------------------------------------------------------------------------------------------------------------------------------------------------------
18  0941  NT1422123083.D   SKL0355-CCV1                1  | 9.16   133778||11.67   496301||15.30   271703||18.35   424221||23.40   389585||26.08   298756||24.41   687974|
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MANUAL INTEGRATION SUMMARY FOR DATABATCH - \\target\share\chem3\nt14.i\20221230C.b
Instrument: nt14.i   Date: 31-DEC-2022

Time  Filename          LabID            DF   Manually Integrated Compounds
------------------------------------------------------------------------------------------------------------------------------------------------------------------------
2330  NT1422123066.D   SKL0355-ICV5      1    2,2'-oxybis(1-Chloropropane),
------------------------------------------------------------------------------------------------------------------------------------------------------------------------
0006  NT1422123067.D   SKL0355-LCV3      1    Benzyl alcohol,     Benzoic acid,     4-Nitrophenol,     4-Nitroaniline,     Pentachlorophenol,
------------------------------------------------------------------------------------------------------------------------------------------------------------------------
0042  NT1422123068.D   SKL0355-LCV4      1    2,2'-oxybis(1-Chloropropane),     2,4-Dinitrophenol,     4-Nitrophenol,
------------------------------------------------------------------------------------------------------------------------------------------------------------------------
0118  NT1422123069.D   BKL0193-BLK1      1    NO MANUAL INTEGRATION
------------------------------------------------------------------------------------------------------------------------------------------------------------------------
0153  NT1422123070.D   BKL0193-BS1       1    NO MANUAL INTEGRATION
------------------------------------------------------------------------------------------------------------------------------------------------------------------------
0229  NT1422123071.D   BKL0193-BSD1      1    NO MANUAL INTEGRATION
------------------------------------------------------------------------------------------------------------------------------------------------------------------------
0305  NT1422123072.D   BKL0193-SRM1      1    Benzoic acid,
------------------------------------------------------------------------------------------------------------------------------------------------------------------------
0341  NT1422123073.D   22L0104-01        1    Benzyl alcohol,     Benzo(k)fluoranthene,
------------------------------------------------------------------------------------------------------------------------------------------------------------------------
0417  NT1422123074.D   22L0104-02        1    NO MANUAL INTEGRATION
------------------------------------------------------------------------------------------------------------------------------------------------------------------------
0453  NT1422123075.D   22L0136-01        1    Benzoic acid,     Benzo(k)fluoranthene,
------------------------------------------------------------------------------------------------------------------------------------------------------------------------
0529  NT1422123076.D   22L0136-08        1    Benzo(k)fluoranthene,     Dibenzo(a,h)anthracene,
------------------------------------------------------------------------------------------------------------------------------------------------------------------------
0605  NT1422123077.D   22L0139-09        1    Benzo(k)fluoranthene,
------------------------------------------------------------------------------------------------------------------------------------------------------------------------
0641  NT1422123078.D   BKL0193-MS1       1    NO MANUAL INTEGRATION
------------------------------------------------------------------------------------------------------------------------------------------------------------------------
0717  NT1422123079.D   BKL0193-MSD1      1    NO MANUAL INTEGRATION
------------------------------------------------------------------------------------------------------------------------------------------------------------------------
0753  NT1422123080.D   22L0136-10        1    2-Methylphenol,     Benzoic acid,     Dibenzo(a,h)anthracene,
------------------------------------------------------------------------------------------------------------------------------------------------------------------------
0829  NT1422123081.D   22L0136-11        1    Benzoic acid,     Di-n-octylphthalate,     Dibenzo(a,h)anthracene,
------------------------------------------------------------------------------------------------------------------------------------------------------------------------
0905  NT1422123082.D   22L0136-12        1    Benzoic acid,     Butylbenzylphthalate,     Benzo(k)fluoranthene,     Dibenzo(a,h)anthracene,
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MANUAL INTEGRATION SUMMARY FOR DATABATCH - \\target\share\chem3\nt14.i\20221230C.b

Instrument: nt14.i   Date: 01-JAN-2023

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Time  Filename          LabID            DF   Manually Integrated Compounds
--------------------------------------------------------------------------------------------------------------------------------------------------
0941  NT1422123083.D   SKL0355-CCV1      1    2,2'-oxybis(1-Chloropropane),
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Security Status Report

Date: 04-Jan-2023 14:53

+-------------------------+--------------------------+----------------------------------------+
|           NT1422123066.D|               Data Locked|                  van, 04-Jan-2023 14:53|
|           NT1422123067.D|               Data Locked|                  van, 04-Jan-2023 14:53|
|           NT1422123068.D|               Data Locked|                  van, 04-Jan-2023 14:53|
|           NT1422123069.D|               Data Locked|                  van, 04-Jan-2023 14:53|
|           NT1422123070.D|               Data Locked|                  van, 04-Jan-2023 14:53|
|           NT1422123071.D|               Data Locked|                  van, 04-Jan-2023 14:53|
|           NT1422123072.D|               Data Locked|                  van, 04-Jan-2023 14:53|
|           NT1422123073.D|               Data Locked|                  van, 04-Jan-2023 14:53|
|           NT1422123074.D|               Data Locked|                  van, 04-Jan-2023 14:53|
|           NT1422123075.D|               Data Locked|                  van, 04-Jan-2023 14:53|
|           NT1422123076.D|               Data Locked|                  van, 04-Jan-2023 14:53|
|           NT1422123077.D|               Data Locked|                  van, 04-Jan-2023 14:53|
|           NT1422123078.D|               Data Locked|                  van, 04-Jan-2023 14:53|
|           NT1422123079.D|               Data Locked|                  van, 04-Jan-2023 14:53|
|           NT1422123080.D|               Data Locked|                  van, 04-Jan-2023 14:53|
|           NT1422123081.D|               Data Locked|                  van, 04-Jan-2023 14:53|
|           NT1422123082.D|               Data Locked|                  van, 04-Jan-2023 14:53|
|           NT1422123083.D|               Data Locked|                  van, 04-Jan-2023 14:53|
+-------------------------+--------------------------+----------------------------------------+
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Analytical Resources, LLC
Analytical Chemists and Consultants

ANALYSIS BATCH (SEQUENCE) SUMMARY

EPA 8270E

Laboratory: Analytical Resources, LLC

Client: Anchor QEA, LLC

Sequence: SLA0068

SDG: 22L0307

Project: AOC4 UR Phase 3

Instrument: NT14

Calibration: FL00066

Sample Name	Lab Sample ID	Lab File ID	Matrix	Analysis Date/Time
MS Tune	SLA0068-TUN1	NT1423010601.D	NA	01/06/23 11:52
ABN 5	SLA0068-ICV1	NT1423010602.D	NA	01/06/23 12:05
ABN 0.2	SLA0068-LCV1	NT1423010603.D	NA	01/06/23 12:48
ZZZZZ	BLA0007-BLK1	NT1423010607.D	Solid	01/06/23 15:13
ZZZZZ	BLA0007-BS1	NT1423010608.D	Solid	01/06/23 15:49
ZZZZZ	BLA0007-BSD1	NT1423010609.D	Solid	01/06/23 16:25
ZZZZZ	22L0480-01	NT1423010610.D	Solid	01/06/23 17:02
Blank	BKL0585-BLK1	NT1423010611.D	Solid	01/06/23 17:38
LCS	BKL0585-BS1	NT1423010612.D	Solid	01/06/23 18:14
LCS Dup	BKL0585-BSD1	NT1423010613.D	Solid	01/06/23 18:50
ZZZZZ	22L0246-43	NT1423010614.D	Solid	01/06/23 19:26
ZZZZZ	22L0246-44	NT1423010615.D	Solid	01/06/23 20:02
ZZZZZ	22L0246-45	NT1423010616.D	Solid	01/06/23 20:38
SSTD005	SLA0068-ICV2	NT1423010619.D	NA	01/06/23 22:27
ABN 0.5	SLA0068-LCV2	NT1423010620.D	NA	01/06/23 23:03
Blank	BKL0585-BLK2	NT1423010621.D	Solid	01/06/23 23:39
ZZZZZ	22L0246-46	NT1423010622.D	Solid	01/07/23 00:15
ZZZZZ	22L0246-47	NT1423010623.D	Solid	01/07/23 00:51
ZZZZZ	22L0246-48	NT1423010624.D	Solid	01/07/23 01:27
LDW22-SC804B	22L0307-35	NT1423010625.D	Solid	01/07/23 02:03
LDW22-SC804C	22L0307-36	NT1423010626.D	Solid	01/07/23 02:39
LDW22-SC804D	22L0307-37	NT1423010627.D	Solid	01/07/23 03:15
LDW22-SC804E	22L0307-38	NT1423010628.D	Solid	01/07/23 03:51
LDW22-SC804F	22L0307-39	NT1423010629.D	Solid	01/07/23 04:27
LDW22-SC804F-FD	22L0307-40	NT1423010630.D	Solid	01/07/23 05:03
LDW22-SC804G	22L0307-41	NT1423010631.D	Solid	01/07/23 05:39
LDW22-SC804H	22L0307-42	NT1423010632.D	Solid	01/07/23 06:15
Reference	BKL0585-SRM1	NT1423010633.D	Solid	01/07/23 06:51
ABN 5	SLA0068-CCV1	NT1423010634.D	NA	01/07/23 07:27

Printed: 1/12/2023 9:50:48AM

ANALYSIS SEQUENCE

SLA0068

Instrument: NT14
Element Column ID: K005461
Calibration ID: FL00066
Tune File: 220803.u
EM Voltage: 1200

Lab Number	Sample Name	Analysis	Container	Order	STD ID	ISTD ID	Analyzed	File ID	Analyst	Comments
SLA0068-TUN1	MS Tune	QC		1	K004775		01/06/2023 11:52	NT1423010601.D	VTS	
SLA0068-ICV1	ABN 5	QC		2	K011109	K010831	01/06/2023 12:05	NT1423010602.D	VTS	
SLA0068-LCV1	ABN 0.2	QC		3	K011106	K010831	01/06/2023 12:48	NT1423010603.D	VTS	
BKL0507-BLK1	Blank	QC		4		K010831	01/06/2023 13:24	NT1423010604.D	VTS	
BKL0507-BS1	LCS	QC		5		K010831	01/06/2023 14:00	NT1423010605.D	VTS	
22L0445-01	305047-01	625 SVOC 0.2ug/L	B 01	6		K010831	01/06/2023 14:37	NT1423010606.D	VTS	Version
BLA0007-BLK1	Blank	QC		7		K010831	01/06/2023 15:13	NT1423010607.D	VTS	
BLA0007-BS1	LCS	QC		8		K010831	01/06/2023 15:49	NT1423010608.D	VTS	
BLA0007-BSD1	LCS Dup	QC		9		K010831	01/06/2023 16:25	NT1423010609.D	VTS	
22L0480-01	WM-122022	(20ug/kg solid or 0.2ug/L l	A 02	10		K010831	01/06/2023 17:02	NT1423010610.D	VTS	
BKL0585-BLK1	Blank	QC		11		K010831	01/06/2023 17:38	NT1423010611.D	VTS	
BKL0585-BS1	LCS	QC		12		K010831	01/06/2023 18:14	NT1423010612.D	VTS	
BKL0585-BSD1	LCS Dup	QC		13		K010831	01/06/2023 18:50	NT1423010613.D	VTS	
22L0246-43	LDW22-IT809B	(20ug/kg solid or 0.2ug/L l	C 01	14		K010831	01/06/2023 19:26	NT1423010614.D	VTS	
22L0246-44	LDW22-IT809C	(20ug/kg solid or 0.2ug/L l	C 01	15		K010831	01/06/2023 20:02	NT1423010615.D	VTS	
22L0246-45	LDW22-IT809D	(20ug/kg solid or 0.2ug/L l	C 01	16		K010831	01/06/2023 20:38	NT1423010616.D	VTS	
BKL0585-MS1	Matrix Spike	QC		17		K010831	01/06/2023 21:15	NT1423010617.D	VTS	
BKL0585-MSD1	Matrix Spike Dup	QC		18		K010831	01/06/2023 21:51	NT1423010618.D	VTS	
SLA0068-ICV2	SSTD005	QC		19	K011109	K010831	01/06/2023 22:27	NT1423010619.D	VTS	
SLA0068-LCV2	ABN 0.5	QC		20	K011106	K010831	01/06/2023 23:03	NT1423010620.D	VTS	
22L0246-46	LDW22-IT809E	(20ug/kg solid or 0.2ug/L l	C 01	21		K010831	01/07/2023 00:15	NT1423010622.D	VTS	
BKL0585-BLK2	Blank	QC		22		K010831	01/06/2023 23:39	NT1423010621.D	VTS	

Printed: 1/12/2023 9:50:48AM

ANALYSIS SEQUENCE

SLA0068

Instrument: NT14
Calibration ID: FL00066
EM Voltage: 1200
Element Column ID: K005461
Tune File: 220803.u

Lab Number	Sample Name	Analysis	Container	Order	STD ID	ISTD ID	Analyzed	File ID	Analyst	Comments
22L0246-47	LDW22-IT809F	(20ug/kg solid or 0.2ug/L l	C 01	23		K010831	01/07/2023 00:51	NT1423010623.D	VTS	
22L0246-48	LDW22-IT809G	(20ug/kg solid or 0.2ug/L l	C 01	24		K010831	01/07/2023 01:27	NT1423010624.D	VTS	
22L0307-35	LDW22-SC804B	(20ug/kg solid or 0.2ug/L l	B 01	25		K010831	01/07/2023 02:03	NT1423010625.D	VTS	
22L0307-36	LDW22-SC804C	(20ug/kg solid or 0.2ug/L l	B 02	26		K010831	01/07/2023 02:39	NT1423010626.D	VTS	
22L0307-37	LDW22-SC804D	(20ug/kg solid or 0.2ug/L l	B 02	27		K010831	01/07/2023 03:15	NT1423010627.D	VTS	
22L0307-38	LDW22-SC804E	(20ug/kg solid or 0.2ug/L l	B 02	28		K010831	01/07/2023 03:51	NT1423010628.D	VTS	
22L0307-39	LDW22-SC804F	(20ug/kg solid or 0.2ug/L l	B 02	29		K010831	01/07/2023 04:27	NT1423010629.D	VTS	
22L0307-40	LDW22-SC804F-FD	(20ug/kg solid or 0.2ug/L l	B 02	30		K010831	01/07/2023 05:03	NT1423010630.D	VTS	
22L0307-41	LDW22-SC804G	(20ug/kg solid or 0.2ug/L l	B 02	31		K010831	01/07/2023 05:39	NT1423010631.D	VTS	
22L0307-42	LDW22-SC804H	(20ug/kg solid or 0.2ug/L l	B 02	32		K010831	01/07/2023 06:15	NT1423010632.D	VTS	
BKL0585-SRM1	Reference	QC		33		K010831	01/07/2023 06:51	NT1423010633.D	VTS	
SLA0068-CCV1	ABN 5	QC		34	K011109	K010831	01/07/2023 07:27	NT1423010634.D	VTS	

INTERNAL STANDARD SUMMARY FOR DATABATCH - \\target\share\chem3\nt14.i\20230106.b

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    Time   Filename    LabID     ClientId       DF
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 1  1205  NT1423010602.D   SLA0068-ICV1               1  | 9.04   134115||11.54   499117||15.17   260320||18.22   432406||23.27   317887||25.90   313716||24.30   664061|
------------------------------------------------------------------------------------------------------------------------------------------------------------------
 2  1248  NT1423010603.D   SLA0068-LCV1               1  | 9.04   163613||11.54   617145||15.17   303137||18.22   507941||23.27   385291||25.90   361053||24.30   688020|
------------------------------------------------------------------------------------------------------------------------------------------------------------------
 3  1324  NT1423010604.D   BKL0507-BLK1               1  | 9.04   125234||11.53   455271||15.17   209044||18.22   363433||23.27   263910||25.90   265869||24.30   470507|
------------------------------------------------------------------------------------------------------------------------------------------------------------------
 4  1400  NT1423010605.D   BKL0507-BS1               1  | 9.04   120702||11.54   448479||15.17   225788||18.22   373212||23.28   270534||25.90   266575||24.30   499826|
------------------------------------------------------------------------------------------------------------------------------------------------------------------
 5  1437  NT1423010606.D   22L0445-01               1  | 9.04   123458||11.54   466736||15.17   224279||18.22   375377||23.27   261354||25.90   241007||24.30   461856|
------------------------------------------------------------------------------------------------------------------------------------------------------------------
 6  1513  NT1423010607.D   BLA0007-BLK1               1  | 9.04   134694||11.53   481809||15.17   233986||18.22   391573||23.27   288922||25.90   274489||24.30   509855|
------------------------------------------------------------------------------------------------------------------------------------------------------------------
 7  1549  NT1423010608.D   BLA0007-BS1               1  | 9.04   128326||11.54   478019||15.17   238226||18.22   393533||23.28   285067||25.90   274875||24.30   534692|
------------------------------------------------------------------------------------------------------------------------------------------------------------------
 8  1625  NT1423010609.D   BLA0007-BSD1               1  | 9.04   124499||11.54   461038||15.17   231131||18.22   374489||23.28   280912||25.90   280323||24.30   547969|
------------------------------------------------------------------------------------------------------------------------------------------------------------------
 9  1702  NT1423010610.D   22L0480-01               1  | 9.04   132497||11.54   501267||15.17   250627||18.22   437612||23.30   586709||25.97   519933||24.34   651065|
------------------------------------------------------------------------------------------------------------------------------------------------------------------
10  1738  NT1423010611.D   BKL0585-BLK1               1  | 9.05   133901||11.54   483764||15.17   234685||18.22   422383||23.28   329074||25.91   355478||24.30   662645|
------------------------------------------------------------------------------------------------------------------------------------------------------------------
11  1814  NT1423010612.D   BKL0585-BS1               1  | 9.04   135833||11.54   501057||15.17   241644||18.22   423608||23.28   328270||25.90   352283||24.30   652719|
------------------------------------------------------------------------------------------------------------------------------------------------------------------
12  1850  NT1423010613.D   BKL0585-BSD1               1  | 9.04   135456||11.54   504192||15.17   240512||18.22   425561||23.28   305246||25.90   328264||24.30   641167|
------------------------------------------------------------------------------------------------------------------------------------------------------------------
13  1926  NT1423010614.D   22L0246-43               1  | 9.04   132673||11.53   512120||15.17   235682||18.22   432377||23.28   327535||25.92   389189||24.31   633775|
------------------------------------------------------------------------------------------------------------------------------------------------------------------
14  2002  NT1423010615.D   22L0246-44               1  | 9.04   128915||11.54   488811||15.17   247957||18.22   427171||23.28   345061||25.92   395249||24.31   656078|
------------------------------------------------------------------------------------------------------------------------------------------------------------------
15  2038  NT1423010616.D   22L0246-45               1  | 9.04   127864||11.54   472830||15.17   239329||18.22   420090||23.28   297975||25.90   328600||24.30   593537|
------------------------------------------------------------------------------------------------------------------------------------------------------------------
16  2115  NT1423010617.D   BKL0585-MS1               1  | 9.04   116263||11.54   427818||15.17   217589||18.22   370821||23.28   275749||25.90   308566||24.30   559797|
------------------------------------------------------------------------------------------------------------------------------------------------------------------
17  2151  NT1423010618.D   BKL0585-MSD1               1  | 9.04   114763||11.54   432771||15.17   222480||18.22   372517||23.28   274506||25.90   307961||24.30   557079|
------------------------------------------------------------------------------------------------------------------------------------------------------------------
18  2227  NT1423010619.D   SLA0068-ICV2               1  | 9.04   114022||11.53   420653||15.17   216802||18.22   366121||23.28   276883||25.90   308305||24.30   540641|
------------------------------------------------------------------------------------------------------------------------------------------------------------------
19  2303  NT1423010620.D   SLA0068-LCV2               1  | 9.04   145168||11.54   532003||15.17   265857||18.22   447747||23.27   342757||25.90   363248||24.30   606933|
------------------------------------------------------------------------------------------------------------------------------------------------------------------
20  2339  NT1423010621.D   BKL0585-BLK2               1  | 9.04   118545||11.54   444993||15.17   199072||18.22   361541||23.27   259600||25.90   279477||24.30   471355|
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INTERNAL STANDARD SUMMARY FOR DATABATCH - \\target\share\chem3\nt14.i\20230106.b

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    Time   Filename    LabID     ClientId       DF
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21  0015  NT1423010622.D   22L0246-46                1  | 9.04   126493||11.54   469620||15.17   230848||18.22   378254||23.27   262292||25.90   289029||24.30   495070|
--------------------------------------------------------------------------------------------------------------------------------------------------------------------
22  0051  NT1423010623.D   22L0246-47                1  | 9.04   121710||11.53   454938||15.17   221132||18.22   372454||23.28   263356||25.90   295140||24.30   512555|
--------------------------------------------------------------------------------------------------------------------------------------------------------------------
23  0127  NT1423010624.D   22L0246-48                1  | 9.04   124936||11.53   459026||15.17   221351||18.22   378068||23.28   266893||25.90   296243||24.30   512852|
--------------------------------------------------------------------------------------------------------------------------------------------------------------------
24  0203  NT1423010625.D   22L0307-35                1  | 9.04   124279||11.54   465188||15.17   228583||18.22   384846||23.28   276130||25.92   320050||24.31   569065|
--------------------------------------------------------------------------------------------------------------------------------------------------------------------
25  0239  NT1423010626.D   22L0307-36                1  | 9.04   114744||11.54   426297||15.17   205182||18.22   348927||23.28   260377||25.91   292553||24.30   525681|
--------------------------------------------------------------------------------------------------------------------------------------------------------------------
26  0315  NT1423010627.D   22L0307-37 3X                1  | 9.04    73921||11.54   323855||15.17   162889||18.22   314485||23.28   284702||25.92   344403||24.31   557936|
--------------------------------------------------------------------------------------------------------------------------------------------------------------------
27  0351  NT1423010628.D   22L0307-38                1  | 9.04   115544||11.54   424839||15.17   214992||18.22   356322||23.28   268606||25.91   315165||24.31   563533|
--------------------------------------------------------------------------------------------------------------------------------------------------------------------
28  0427  NT1423010629.D   22L0307-39                1  | 9.04   123328||11.54   454685||15.17   227627||18.22   389310||23.28   289946||25.91   317032||24.31   597319|
--------------------------------------------------------------------------------------------------------------------------------------------------------------------
29  0503  NT1423010630.D   22L0307-40                1  | 9.05   111634||11.54   418478||15.17   210770||18.22   348220||23.28   252041||25.91   283554||24.31   516666|
--------------------------------------------------------------------------------------------------------------------------------------------------------------------
30  0539  NT1423010631.D   22L0307-41                1  | 9.04   111789||11.54   415884||15.17   208362||18.22   339313||23.28   248938||25.91   275883||24.31   499852|
--------------------------------------------------------------------------------------------------------------------------------------------------------------------
31  0615  NT1423010632.D   22L0307-42                1  | 9.04   112282||11.54   413618||15.17   205362||18.22   339082||23.28   243191||25.91   267860||24.31   486372|
--------------------------------------------------------------------------------------------------------------------------------------------------------------------
32  0651  NT1423010633.D   BKL0585-SRM1                1  | 9.04   109009||11.54   406015||15.17   201849||18.22   342092||23.28   261300||25.91   277760||24.31   511901|
--------------------------------------------------------------------------------------------------------------------------------------------------------------------
33  0727  NT1423010634.D   SLA0068-CCV1                1  | 9.05   105694||11.54   397807||15.18   203080||18.22   331785||23.28   254746||25.91   273505||24.31   500355|
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MANUAL INTEGRATION SUMMARY FOR DATABATCH - \\target\share\chem3\nt14.i\20230106.b

ARI Job No.: SLA0   Method: DFTPP8270E.m   Instrument: nt14.i   Date: 06-JAN-2023


Time  Filename    LabID     ClientId      DF    Manually Integrated Compounds
--------------------------------------------------------------------------------------------------------------------------------------------------------------------
1152  NT1423010601.D SLA0068-TUN1               1      NO MANUAL INTEGRATION
--------------------------------------------------------------------------------------------------------------------------------------------------------------------
1205  NT1423010602.D SLA0068-ICV1               1    2,2'-oxybis(1-Chloropropane),
--------------------------------------------------------------------------------------------------------------------------------------------------------------------
1248  NT1423010603.D SLA0068-LCV1               1    2,2'-oxybis(1-Chloropropane),
--------------------------------------------------------------------------------------------------------------------------------------------------------------------
1324  NT1423010604.D BKL0507-BLK1               1      NO MANUAL INTEGRATION
--------------------------------------------------------------------------------------------------------------------------------------------------------------------
1400  NT1423010605.D BKL0507-BS1               1      NO MANUAL INTEGRATION
--------------------------------------------------------------------------------------------------------------------------------------------------------------------
1437  NT1423010606.D 22L0445-01               1      NO MANUAL INTEGRATION
--------------------------------------------------------------------------------------------------------------------------------------------------------------------
1513  NT1423010607.D BLA0007-BLK1               1      NO MANUAL INTEGRATION
--------------------------------------------------------------------------------------------------------------------------------------------------------------------
1549  NT1423010608.D BLA0007-BS1               1      NO MANUAL INTEGRATION
--------------------------------------------------------------------------------------------------------------------------------------------------------------------
1625  NT1423010609.D BLA0007-BSD1               1      NO MANUAL INTEGRATION
--------------------------------------------------------------------------------------------------------------------------------------------------------------------
1702  NT1423010610.D 22L0480-01               1      NO MANUAL INTEGRATION
--------------------------------------------------------------------------------------------------------------------------------------------------------------------
1738  NT1423010611.D BKL0585-BLK1               1      NO MANUAL INTEGRATION
--------------------------------------------------------------------------------------------------------------------------------------------------------------------
1814  NT1423010612.D BKL0585-BS1               1    Benzyl alcohol,
--------------------------------------------------------------------------------------------------------------------------------------------------------------------
1850  NT1423010613.D BKL0585-BSD1               1    Benzyl alcohol,
--------------------------------------------------------------------------------------------------------------------------------------------------------------------
1926  NT1423010614.D 22L0246-43               1    Benzo(k)fluoranthene,
--------------------------------------------------------------------------------------------------------------------------------------------------------------------
2002  NT1423010615.D 22L0246-44               1      NO MANUAL INTEGRATION
--------------------------------------------------------------------------------------------------------------------------------------------------------------------
2038  NT1423010616.D 22L0246-45               1      NO MANUAL INTEGRATION
--------------------------------------------------------------------------------------------------------------------------------------------------------------------
2115  NT1423010617.D BKL0585-MS1               1    Benzyl alcohol,
--------------------------------------------------------------------------------------------------------------------------------------------------------------------
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MANUAL INTEGRATION SUMMARY FOR DATABATCH - \\target\share\chem3\nt14.i\20230106.b

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    Time   Filename    LabID     ClientId       DF    Manually Integrated Compounds
-------------------------------------------------------------------------------------------------------------------------------------------------------------------
2151  NT1423010618.D BKL0585-MSD1               1    Benzyl alcohol,
-------------------------------------------------------------------------------------------------------------------------------------------------------------------
2227  NT1423010619.D SLA0068-ICV2               1    2,2'-oxybis(1-Chloropropane),
-------------------------------------------------------------------------------------------------------------------------------------------------------------------
2303  NT1423010620.D SLA0068-LCV2               1    2,2'-oxybis(1-Chloropropane),
-------------------------------------------------------------------------------------------------------------------------------------------------------------------
2339  NT1423010621.D BKL0585-BLK2               1      NO MANUAL INTEGRATION
-------------------------------------------------------------------------------------------------------------------------------------------------------------------
0015  NT1423010622.D 22L0246-46               1      NO MANUAL INTEGRATION
-------------------------------------------------------------------------------------------------------------------------------------------------------------------
0051  NT1423010623.D 22L0246-47               1      NO MANUAL INTEGRATION
-------------------------------------------------------------------------------------------------------------------------------------------------------------------
0127  NT1423010624.D 22L0246-48               1      NO MANUAL INTEGRATION
-------------------------------------------------------------------------------------------------------------------------------------------------------------------
0203  NT1423010625.D 22L0307-35               1    Benzo(k)fluoranthene,
-------------------------------------------------------------------------------------------------------------------------------------------------------------------
0239  NT1423010626.D 22L0307-36               1      NO MANUAL INTEGRATION
-------------------------------------------------------------------------------------------------------------------------------------------------------------------
0315  NT1423010627.D 22L0307-37               3    Benzo(k)fluoranthene,
-------------------------------------------------------------------------------------------------------------------------------------------------------------------
0351  NT1423010628.D 22L0307-38               1      NO MANUAL INTEGRATION
-------------------------------------------------------------------------------------------------------------------------------------------------------------------
0427  NT1423010629.D 22L0307-39               1      NO MANUAL INTEGRATION
-------------------------------------------------------------------------------------------------------------------------------------------------------------------
0503  NT1423010630.D 22L0307-40               1      NO MANUAL INTEGRATION
-------------------------------------------------------------------------------------------------------------------------------------------------------------------
0539  NT1423010631.D 22L0307-41               1      NO MANUAL INTEGRATION
-------------------------------------------------------------------------------------------------------------------------------------------------------------------
0615  NT1423010632.D 22L0307-42               1      NO MANUAL INTEGRATION
-------------------------------------------------------------------------------------------------------------------------------------------------------------------
0651  NT1423010633.D BKL0585-SRM1               1      NO MANUAL INTEGRATION
-------------------------------------------------------------------------------------------------------------------------------------------------------------------
0727  NT1423010634.D SLA0068-CCV1               1    2,2'-oxybis(1-Chloropropane),
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Security Status Report

Date: 12-Jan-2023 09:43

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|           NT1423010601.D|               Data Locked|              deenayd, 12-Jan-2023 09:43|
|           NT1423010602.D|               Data Locked|              deenayd, 12-Jan-2023 09:43|
|           NT1423010603.D|               Data Locked|              deenayd, 12-Jan-2023 09:43|
|           NT1423010604.D|               Data Locked|              deenayd, 12-Jan-2023 09:43|
|           NT1423010605.D|               Data Locked|              deenayd, 12-Jan-2023 09:43|
|           NT1423010606.D|               Data Locked|              deenayd, 12-Jan-2023 09:43|
|           NT1423010607.D|               Data Locked|              deenayd, 12-Jan-2023 09:43|
|           NT1423010608.D|               Data Locked|              deenayd, 12-Jan-2023 09:43|
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|           NT1423010625.D|               Data Locked|              deenayd, 12-Jan-2023 09:43|
|           NT1423010626.D|               Data Locked|              deenayd, 12-Jan-2023 09:43|
|           NT1423010627.D|               Data Locked|              deenayd, 12-Jan-2023 09:43|
|           NT1423010628.D|               Data Locked|              deenayd, 12-Jan-2023 09:43|
|           NT1423010629.D|               Data Locked|              deenayd, 12-Jan-2023 09:43|
|           NT1423010630.D|               Data Locked|              deenayd, 12-Jan-2023 09:43|
|           NT1423010631.D|               Data Locked|              deenayd, 12-Jan-2023 09:43|
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|           NT1423010633.D|               Data Locked|              deenayd, 12-Jan-2023 09:43|
|           NT1423010634.D|               Data Locked|              deenayd, 12-Jan-2023 09:43|
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SURROGATE RECOVERY AND RT SUMMARY
EPA 8270E

Laboratory: Analytical Resources, LLC
SDG/WO: 22L0307
Client: Anchor QEA, LLC
Project: AOC4 UR Phase 3
Sequence: SKL0355
Instrument: NT14
Calibration: FL00066
Calibration Date: 12/30/2022

Surrogate Compound	Spike Level ug/mL	% Recovery	Recovery Limits	RT	Calibration Mean RT	RT Diff	RT Diff Limit	Q
SKL0355-ICV1 (Water)				Lab File ID: NT1422123011.D			Analyzed: 12/30/22 13:31	
2-Fluorophenol	7.5000	97.6	80 - 120	6.935	6.935857	-0.0009	N/A	
Phenol-d5	7.5000	98.6	80 - 120	8.526	8.526429	-0.0004	N/A	
2-Chlorophenol-d4	7.5000	97.6	80 - 120	8.812	8.816429	-0.0044	N/A	
1,2-Dichlorobenzene-d4	5.0000	95.3	80 - 120	9.548	9.549143	-0.0011	N/A	
Nitrobenzene-d5	5.0000	97.2	80 - 120	10.278	10.28229	-0.0043	N/A	
2-Fluorobiphenyl	5.0000	96.3	80 - 120	13.917	13.91786	-0.0009	N/A	
2,4,6-Tribromophenol	7.5000	96.5	80 - 120	16.963	16.96783	-0.0048	N/A	
p-Terphenyl-d14	5.0000	96.3	80 - 120	21.503	21.505	-0.0020	N/A	
SKL0355-ICB1 (Water)				Lab File ID: NT1422123012.D			Analyzed: 12/30/22 14:08	
2-Fluorophenol	7.5000	88.4	30 - 160	6.934	6.935857	-0.0019	N/A	
Phenol-d5	7.5000	90.2	30 - 160	8.526	8.526429	-0.0004	N/A	
2-Chlorophenol-d4	7.5000	92.7	30 - 160	8.812	8.816429	-0.0044	N/A	
1,2-Dichlorobenzene-d4	5.0000	89.2	30 - 160	9.548	9.549143	-0.0011	N/A	
Nitrobenzene-d5	5.0000	91.7	30 - 160	10.278	10.28229	-0.0043	N/A	
2-Fluorobiphenyl	5.0000	92.1	30 - 160	13.916	13.91786	-0.0019	N/A	
2,4,6-Tribromophenol	7.5000	75.8	30 - 160	16.962	16.96783	-0.0058	N/A	
p-Terphenyl-d14	5.0000	95.5	30 - 160	21.502	21.505	-0.0030	N/A	
SKL0355-ICV2 (Water)				Lab File ID: NT1422123014.D			Analyzed: 12/30/22 15:53	
2-Fluorophenol	7.5000	98.3	80 - 120	6.935	6.935857	-0.0009	N/A	
Phenol-d5	7.5000	99.4	80 - 120	8.526	8.526429	-0.0004	N/A	
2-Chlorophenol-d4	7.5000	96.5	80 - 120	8.812	8.816429	-0.0044	N/A	
1,2-Dichlorobenzene-d4	5.0000	93.5	80 - 120	9.548	9.549143	-0.0011	N/A	
Nitrobenzene-d5	5.0000	100	80 - 120	10.278	10.28229	-0.0043	N/A	
2-Fluorobiphenyl	5.0000	92.8	80 - 120	13.917	13.91786	-0.0009	N/A	
2,4,6-Tribromophenol	7.5000	90.9	80 - 120	16.97	16.96783	0.0022	N/A	
p-Terphenyl-d14	5.0000	95.0	80 - 120	21.503	21.505	-0.0020	N/A	

SURROGATE RECOVERY AND RT SUMMARY
EPA 8270E

Laboratory:	Analytical Resources, LLC	SDG/WO:	22L0307
Client:	Anchor QEA, LLC	Project:	AOC4 UR Phase 3
Sequence:	SKL0355	Instrument:	NT14
Calibration:	FL00066	Calibration Date:	12/30/2022

Surrogate Compound	Spike Level ug/mL	% Recovery	Recovery Limits	RT	Calibration Mean RT	RT Diff	RT Diff Limit	Q
SKL0355-ICV4 (Water)			Lab File ID: NT1422123049.D			Analyzed: 12/31/22 13:17		
2-Fluorophenol	7.5000	98.5	80 - 120	6.927	6.935857	-0.0089	N/A	
Phenol-d5	7.5000	99.0	80 - 120	8.519	8.526429	-0.0074	N/A	
2-Chlorophenol-d4	7.5000	98.8	80 - 120	8.804	8.816429	-0.0124	N/A	
1,2-Dichlorobenzene-d4	5.0000	93.8	80 - 120	9.533	9.549143	-0.0161	N/A	
Nitrobenzene-d5	5.0000	102	80 - 120	10.27	10.28229	-0.0123	N/A	
2-Fluorobiphenyl	5.0000	94.1	80 - 120	13.909	13.91786	-0.0089	N/A	
2,4,6-Tribromophenol	7.5000	92.1	80 - 120	16.963	16.96783	-0.0048	N/A	
p-Terphenyl-d14	5.0000	88.8	80 - 120	21.495	21.505	-0.0100	N/A	
SKL0355-LCV1 (Water)			Lab File ID: NT1422123051.D			Analyzed: 12/31/22 14:29		
2-Fluorophenol	0.30000	115	50 - 150	6.927	6.935857	-0.0089	N/A	
Phenol-d5	0.30000	102	50 - 150	8.519	8.526429	-0.0074	N/A	
2-Chlorophenol-d4	0.30000	111	50 - 150	8.804	8.816429	-0.0124	N/A	
1,2-Dichlorobenzene-d4	0.20000	121	50 - 150	9.533	9.549143	-0.0161	N/A	
Nitrobenzene-d5	0.20000	107	50 - 150	10.27	10.28229	-0.0123	N/A	
2-Fluorobiphenyl	0.20000	112	50 - 150	13.909	13.91786	-0.0089	N/A	
2,4,6-Tribromophenol	0.30000	70.6	50 - 150	16.963	16.96783	-0.0048	N/A	
p-Terphenyl-d14	0.20000	109	50 - 150	21.495	21.505	-0.0100	N/A	
SKL0355-LCV2 (Water)			Lab File ID: NT1422123052.D			Analyzed: 12/31/22 15:05		
2-Fluorophenol	0.75000	94.8	50 - 150	6.919	6.935857	-0.0169	N/A	
Phenol-d5	0.75000	87.7	50 - 150	8.519	8.526429	-0.0074	N/A	
2-Chlorophenol-d4	0.75000	91.5	50 - 150	8.804	8.816429	-0.0124	N/A	
1,2-Dichlorobenzene-d4	0.50000	94.1	50 - 150	9.533	9.549143	-0.0161	N/A	
Nitrobenzene-d5	0.50000	92.0	50 - 150	10.262	10.28229	-0.0203	N/A	
2-Fluorobiphenyl	0.50000	94.9	50 - 150	13.909	13.91786	-0.0089	N/A	
2,4,6-Tribromophenol	0.75000	71.4	50 - 150	16.963	16.96783	-0.0048	N/A	
p-Terphenyl-d14	0.50000	90.8	50 - 150	21.495	21.505	-0.0100	N/A	

SURROGATE RECOVERY AND RT SUMMARY
EPA 8270E

Laboratory:	Analytical Resources, LLC	SDG/WO:	22L0307
Client:	Anchor QEA, LLC	Project:	AOC4 UR Phase 3
Sequence:	SKL0355	Instrument:	NT14
Calibration:	FL00066	Calibration Date:	12/30/2022

Surrogate Compound	Spike Level ug/mL	% Recovery	Recovery Limits	RT	Calibration Mean RT	RT Diff	RT Diff Limit	Q
SKL0355-ICV5 (Water)			Lab File ID: NT1422123066.D			Analyzed: 12/31/22 23:30		
2-Fluorophenol	7.5000	97.9	80 - 120	6.919	6.935857	-0.0169	N/A	
Phenol-d5	7.5000	97.9	80 - 120	8.519	8.526429	-0.0074	N/A	
2-Chlorophenol-d4	7.5000	98.4	80 - 120	8.797	8.816429	-0.0194	N/A	
1,2-Dichlorobenzene-d4	5.0000	93.6	80 - 120	9.525	9.549143	-0.0241	N/A	
Nitrobenzene-d5	5.0000	104	80 - 120	10.262	10.28229	-0.0203	N/A	
2-Fluorobiphenyl	5.0000	95.4	80 - 120	13.901	13.91786	-0.0169	N/A	
2,4,6-Tribromophenol	7.5000	89.3	80 - 120	16.955	16.96783	-0.0128	N/A	
p-Terphenyl-d14	5.0000	86.8	80 - 120	21.495	21.505	-0.0100	N/A	
SKL0355-LCV3 (Water)			Lab File ID: NT1422123067.D			Analyzed: 01/01/23 00:06		
2-Fluorophenol	0.30000	119	50 - 150	6.919	6.935857	-0.0169	N/A	
Phenol-d5	0.30000	104	50 - 150	8.519	8.526429	-0.0074	N/A	
2-Chlorophenol-d4	0.30000	112	50 - 150	8.797	8.816429	-0.0194	N/A	
1,2-Dichlorobenzene-d4	0.20000	120	50 - 150	9.525	9.549143	-0.0241	N/A	
Nitrobenzene-d5	0.20000	113	50 - 150	10.262	10.28229	-0.0203	N/A	
2-Fluorobiphenyl	0.20000	111	50 - 150	13.901	13.91786	-0.0169	N/A	
2,4,6-Tribromophenol	0.30000	74.9	50 - 150	16.955	16.96783	-0.0128	N/A	
p-Terphenyl-d14	0.20000	111	50 - 150	21.495	21.505	-0.0100	N/A	
SKL0355-LCV4 (Water)			Lab File ID: NT1422123068.D			Analyzed: 01/01/23 00:42		
2-Fluorophenol	0.75000	97.6	50 - 150	6.919	6.935857	-0.0169	N/A	
Phenol-d5	0.75000	88.1	50 - 150	8.519	8.526429	-0.0074	N/A	
2-Chlorophenol-d4	0.75000	93.0	50 - 150	8.797	8.816429	-0.0194	N/A	
1,2-Dichlorobenzene-d4	0.50000	96.0	50 - 150	9.525	9.549143	-0.0241	N/A	
Nitrobenzene-d5	0.50000	96.6	50 - 150	10.262	10.28229	-0.0203	N/A	
2-Fluorobiphenyl	0.50000	94.4	50 - 150	13.901	13.91786	-0.0169	N/A	
2,4,6-Tribromophenol	0.75000	71.7	50 - 150	16.955	16.96783	-0.0128	N/A	
p-Terphenyl-d14	0.50000	90.3	50 - 150	21.495	21.505	-0.0100	N/A	

SURROGATE RECOVERY AND RT SUMMARY
EPA 8270E

Laboratory:	Analytical Resources, LLC	SDG/WO:	22L0307
Client:	Anchor QEA, LLC	Project:	AOC4 UR Phase 3
Sequence:	SKL0355	Instrument:	NT14
Calibration:	FL00066	Calibration Date:	12/30/2022

Surrogate Compound	Spike Level ug/mL	% Recovery	Recovery Limits	RT	Calibration Mean RT	RT Diff	RT Diff Limit	Q
SKL0355-CCV1 (Water)			Lab File ID: NT1422123083.D			Analyzed: 01/01/23 09:41		
2-Fluorophenol	7.5000	98.9	50 - 150	6.911	6.935857	-0.0249	N/A	
Phenol-d5	7.5000	99.5	50 - 150	8.511	8.526429	-0.0154	N/A	
2-Chlorophenol-d4	7.5000	99.1	50 - 150	8.797	8.816429	-0.0194	N/A	
1,2-Dichlorobenzene-d4	5.0000	94.0	50 - 150	9.525	9.549143	-0.0241	N/A	
Nitrobenzene-d5	5.0000	105	50 - 150	10.255	10.28229	-0.0273	N/A	
2-Fluorobiphenyl	5.0000	93.3	50 - 150	13.894	13.91786	-0.0239	N/A	
2,4,6-Tribromophenol	7.5000	89.9	50 - 150	16.947	16.96783	-0.0208	N/A	
p-Terphenyl-d14	5.0000	85.6	50 - 150	21.487	21.505	-0.0180	N/A	

SURROGATE RECOVERY AND RT SUMMARY
EPA 8270E

Laboratory:	Analytical Resources, LLC	SDG/WO:	22L0307
Client:	Anchor QEA, LLC	Project:	AOC4 UR Phase 3
Sequence:	SLA0068	Instrument:	NT14
Calibration:	FL00066	Calibration Date:	12/30/2022

Surrogate Compound	Spike Level ug/mL	% Recovery	Recovery Limits	RT	Calibration Mean RT	RT Diff	RT Diff Limit	Q
SLA0068-ICV1 (Water)			Lab File ID: NT1423010602.D				Analyzed: 01/06/23 12:05	
2-Fluorophenol	7.5000	106	80 - 120	6.811	6.935857	-0.1249	N/A	
Phenol-d5	7.5000	108	80 - 120	8.403	8.526429	-0.1234	N/A	
2-Chlorophenol-d4	7.5000	107	80 - 120	8.673	8.816429	-0.1434	N/A	
1,2-Dichlorobenzene-d4	5.0000	104	80 - 120	9.401	9.549143	-0.1481	N/A	
Nitrobenzene-d5	5.0000	120	80 - 120	10.131	10.28229	-0.1513	N/A	
2-Fluorobiphenyl	5.0000	110	80 - 120	13.77	13.91786	-0.1479	N/A	
2,4,6-Tribromophenol	7.5000	101	80 - 120	16.816	16.96783	-0.1518	N/A	
p-Terphenyl-d14	5.0000	129	80 - 120	21.364	21.505	-0.1410	N/A	*
SLA0068-LCV1 (Water)			Lab File ID: NT1423010603.D				Analyzed: 01/06/23 12:48	
2-Fluorophenol	0.75000	91.2	50 - 150	6.811	6.935857	-0.1249	N/A	
Phenol-d5	0.75000	86.2	50 - 150	8.403	8.526429	-0.1234	N/A	
2-Chlorophenol-d4	0.75000	92.9	50 - 150	8.673	8.816429	-0.1434	N/A	
1,2-Dichlorobenzene-d4	0.50000	93.6	50 - 150	9.402	9.549143	-0.1471	N/A	
Nitrobenzene-d5	0.50000	100	50 - 150	10.131	10.28229	-0.1513	N/A	
2-Fluorobiphenyl	0.50000	91.4	50 - 150	13.77	13.91786	-0.1479	N/A	
2,4,6-Tribromophenol	0.75000	69.2	50 - 150	16.816	16.96783	-0.1518	N/A	
p-Terphenyl-d14	0.50000	94.3	50 - 150	21.364	21.505	-0.1410	N/A	
BKL0585-BLK1 (Solid)			Lab File ID: NT1423010611.D				Analyzed: 01/06/23 17:38	
p-Terphenyl-d14	500.00	98.9	37 - 120	21.372	21.505	-0.1330	N/A	
BKL0585-BS1 (Solid)			Lab File ID: NT1423010612.D				Analyzed: 01/06/23 18:14	
p-Terphenyl-d14	500.00	103	37 - 120	21.364	21.505	-0.1410	N/A	
BKL0585-BSD1 (Solid)			Lab File ID: NT1423010613.D				Analyzed: 01/06/23 18:50	
p-Terphenyl-d14	500.00	107	37 - 120	21.364	21.505	-0.1410	N/A	

SURROGATE RECOVERY AND RT SUMMARY
EPA 8270E

Laboratory:	Analytical Resources, LLC	SDG/WO:	22L0307
Client:	Anchor QEA, LLC	Project:	AOC4 UR Phase 3
Sequence:	SLA0068	Instrument:	NT14
Calibration:	FL00066	Calibration Date:	12/30/2022

Surrogate Compound	Spike Level ug/mL	% Recovery	Recovery Limits	RT	Calibration Mean RT	RT Diff	RT Diff Limit	Q
SLA0068-ICV2 (Water)				Lab File ID: NT1423010619.D			Analyzed: 01/06/23 22:27	
2-Fluorophenol	7.5000	106	80 - 120	6.811	6.935857	-0.1249	N/A	
Phenol-d5	7.5000	105	80 - 120	8.403	8.526429	-0.1234	N/A	
2-Chlorophenol-d4	7.5000	105	80 - 120	8.673	8.816429	-0.1434	N/A	
1,2-Dichlorobenzene-d4	5.0000	104	80 - 120	9.401	9.549143	-0.1481	N/A	
Nitrobenzene-d5	5.0000	122	80 - 120	10.131	10.28229	-0.1513	N/A	*
2-Fluorobiphenyl	5.0000	111	80 - 120	13.77	13.91786	-0.1479	N/A	
2,4,6-Tribromophenol	7.5000	95.8	80 - 120	16.816	16.96783	-0.1518	N/A	
p-Terphenyl-d14	5.0000	115	80 - 120	21.364	21.505	-0.1410	N/A	
SLA0068-LCV2 (Water)				Lab File ID: NT1423010620.D			Analyzed: 01/06/23 23:03	
2-Fluorophenol	0.75000	85.0	50 - 150	6.811	6.935857	-0.1249	N/A	
Phenol-d5	0.75000	77.0	50 - 150	8.403	8.526429	-0.1234	N/A	
2-Chlorophenol-d4	0.75000	85.8	50 - 150	8.673	8.816429	-0.1434	N/A	
1,2-Dichlorobenzene-d4	0.50000	91.5	50 - 150	9.402	9.549143	-0.1471	N/A	
Nitrobenzene-d5	0.50000	98.5	50 - 150	10.131	10.28229	-0.1513	N/A	
2-Fluorobiphenyl	0.50000	91.9	50 - 150	13.77	13.91786	-0.1479	N/A	
2,4,6-Tribromophenol	0.75000	60.8	50 - 150	16.816	16.96783	-0.1518	N/A	
p-Terphenyl-d14	0.50000	93.2	50 - 150	21.364	21.505	-0.1410	N/A	
BKL0585-BLK2 (Solid)				Lab File ID: NT1423010621.D			Analyzed: 01/06/23 23:39	
p-Terphenyl-d14	500.00	99.8	37 - 120	21.364	21.505	-0.1410	N/A	
22L0307-35 (Solid)				Lab File ID: NT1423010625.D			Analyzed: 01/07/23 02:03	
p-Terphenyl-d14	498.26	104	37 - 120	21.371	21.505	-0.1340	N/A	
22L0307-36 (Solid)				Lab File ID: NT1423010626.D			Analyzed: 01/07/23 02:39	
p-Terphenyl-d14	498.66	105	37 - 120	21.371	21.505	-0.1340	N/A	
22L0307-37 (Solid)				Lab File ID: NT1423010627.D			Analyzed: 01/07/23 03:15	
p-Terphenyl-d14	498.71	86.3	37 - 120	21.372	21.505	-0.1330	N/A	
22L0307-38 (Solid)				Lab File ID: NT1423010628.D			Analyzed: 01/07/23 03:51	
p-Terphenyl-d14	498.45	94.7	37 - 120	21.372	21.505	-0.1330	N/A	
22L0307-39 (Solid)				Lab File ID: NT1423010629.D			Analyzed: 01/07/23 04:27	
p-Terphenyl-d14	499.53	109	37 - 120	21.364	21.505	-0.1410	N/A	

SURROGATE RECOVERY AND RT SUMMARY
EPA 8270E

Laboratory:	Analytical Resources, LLC	SDG/WO:	22L0307
Client:	Anchor QEA, LLC	Project:	AOC4 UR Phase 3
Sequence:	SLA0068	Instrument:	NT14
Calibration:	FL00066	Calibration Date:	12/30/2022

Surrogate Compound	Spike Level ug/kg dry	% Recovery	Recovery Limits	RT	Calibration Mean RT	RT Diff	RT Diff Limit	Q
22L0307-40 (Solid)			Lab File ID: NT1423010630.D			Analyzed: 01/07/23 05:03		
p-Terphenyl-d14	499.86	97.3	37 - 120	21.372	21.505	-0.1330	N/A	
22L0307-41 (Solid)			Lab File ID: NT1423010631.D			Analyzed: 01/07/23 05:39		
p-Terphenyl-d14	499.37	97.3	37 - 120	21.364	21.505	-0.1410	N/A	
22L0307-42 (Solid)			Lab File ID: NT1423010632.D			Analyzed: 01/07/23 06:15		
p-Terphenyl-d14	497.91	99.0	37 - 120	21.372	21.505	-0.1330	N/A	
BKL0585-SRM1 (Solid)			Lab File ID: NT1423010633.D			Analyzed: 01/07/23 06:51		
p-Terphenyl-d14	5000.0	99.8	37 - 120	21.372	21.505	-0.1330	N/A	
SLA0068-CCV1 (Water)			Lab File ID: NT1423010634.D			Analyzed: 01/07/23 07:27		
2-Fluorophenol	7.5000	109	50 - 150	6.811	6.935857	-0.1249	N/A	
Phenol-d5	7.5000	110	50 - 150	8.41	8.526429	-0.1164	N/A	
2-Chlorophenol-d4	7.5000	108	50 - 150	8.681	8.816429	-0.1354	N/A	
1,2-Dichlorobenzene-d4	5.0000	105	50 - 150	9.402	9.549143	-0.1471	N/A	
Nitrobenzene-d5	5.0000	124	50 - 150	10.139	10.28229	-0.1433	N/A	
2-Fluorobiphenyl	5.0000	109	50 - 150	13.77	13.91786	-0.1479	N/A	
2,4,6-Tribromophenol	7.5000	87.8	50 - 150	16.824	16.96783	-0.1438	N/A	
p-Terphenyl-d14	5.0000	114	50 - 150	21.372	21.505	-0.1330	N/A	

INTERNAL STANDARD AREA AND RT SUMMARY

EPA 8270E

Laboratory:	Analytical Resources, LLC	SDG:	22L0307
Client:	Anchor QEA, LLC	Project:	AOC4 UR Phase 3
Sequence:	SKL0355	Instrument:	NT14
		Calibration:	FL00066

Internal Standard	Response	RT	Reference Response	Reference RT	Area %	Area % Limits	RT Diff	RT Diff Limit	Q
Initial Cal Check (SKL0355-ICV1)		(Water)	Lab File ID: NT1422123011.D				Analyzed: 12/30/22 13:31		
1,4-Dichlorobenzene-d4	145276	9.184	134439	9.168	108	50 - 200	0.016	+/-0.50	
Naphthalene-d8	542519	11.689	492388	11.681	110	50 - 200	0.008	+/-0.50	
Acenaphthene-d10	292314	15.325	270679	15.318	108	50 - 200	0.007	+/-0.50	
Phenanthrene-d10	478070	18.369	429616	18.369	111	50 - 200	0.000	+/-0.50	
Chrysene-d12	412507	23.415	376030	23.407	110	50 - 200	0.008	+/-0.50	
Di-n-Octylphthalate-d4	590464	24.437	634628	24.429	93	50 - 200	0.008	+/-0.50	
Perylene-d12	379639	26.102	336225	26.094	113	50 - 200	0.008	+/-0.50	
Initial Cal Blank (SKL0355-ICB1)		(Water)	Lab File ID: NT1422123012.D				Analyzed: 12/30/22 14:08		
1,4-Dichlorobenzene-d4	174509	9.183	134439	9.168	130	50 - 200	0.015	+/-0.50	
Naphthalene-d8	641934	11.688	492388	11.681	130	50 - 200	0.007	+/-0.50	
Acenaphthene-d10	335436	15.325	270679	15.318	124	50 - 200	0.007	+/-0.50	
Phenanthrene-d10	560033	18.369	429616	18.369	130	50 - 200	0.000	+/-0.50	
Chrysene-d12	444498	23.407	376030	23.407	118	50 - 200	0.000	+/-0.50	
Di-n-Octylphthalate-d4	541261	24.436	634628	24.429	85	50 - 200	0.007	+/-0.50	
Perylene-d12	423100	26.101	336225	26.094	126	50 - 200	0.007	+/-0.50	
Initial Cal Check (SKL0355-ICV2)		(Water)	Lab File ID: NT1422123014.D				Analyzed: 12/30/22 15:53		
1,4-Dichlorobenzene-d4	130476	9.184	134439	9.168	97	50 - 200	0.016	+/-0.50	
Naphthalene-d8	484478	11.689	492388	11.681	98	50 - 200	0.008	+/-0.50	
Acenaphthene-d10	261445	15.325	270679	15.318	97	50 - 200	0.007	+/-0.50	
Phenanthrene-d10	412822	18.369	429616	18.369	96	50 - 200	0.000	+/-0.50	
Chrysene-d12	349122	23.407	376030	23.407	93	50 - 200	0.000	+/-0.50	
Di-n-Octylphthalate-d4	522046	24.437	634628	24.429	82	50 - 200	0.008	+/-0.50	
Perylene-d12	327130	26.102	336225	26.094	97	50 - 200	0.008	+/-0.50	
Initial Cal Check (SKL0355-ICV4)		(Water)	Lab File ID: NT1422123049.D				Analyzed: 12/31/22 13:17		
1,4-Dichlorobenzene-d4	134439	9.168	134439	9.168	100	50 - 200	0.000	+/-0.50	
Naphthalene-d8	492388	11.681	492388	11.681	100	50 - 200	0.000	+/-0.50	
Acenaphthene-d10	270679	15.318	270679	15.318	100	50 - 200	0.000	+/-0.50	
Phenanthrene-d10	429616	18.369	429616	18.369	100	50 - 200	0.000	+/-0.50	
Chrysene-d12	376030	23.407	376030	23.407	100	50 - 200	0.000	+/-0.50	
Di-n-Octylphthalate-d4	634628	24.429	634628	24.429	100	50 - 200	0.000	+/-0.50	
Perylene-d12	336225	26.094	336225	26.094	100	50 - 200	0.000	+/-0.50	

INTERNAL STANDARD AREA AND RT SUMMARY

EPA 8270E

Laboratory:	Analytical Resources, LLC	SDG:	22L0307
Client:	Anchor QEA, LLC	Project:	AOC4 UR Phase 3
Sequence:	SKL0355	Instrument:	NT14
		Calibration:	FL00066

Internal Standard	Response	RT	Reference Response	Reference RT	Area %	Area % Limits	RT Diff	RT Diff Limit	Q
Low Cal Check (SKL0355-LCV1)		(Water)	Lab File ID: NT1422123051.D				Analyzed: 12/31/22 14:29		
1,4-Dichlorobenzene-d4	116397	9.168	134439	9.168	87	50 - 200	0.000	+/-0.50	
Naphthalene-d8	425902	11.673	492388	11.681	86	50 - 200	-0.008	+/-0.50	
Acenaphthene-d10	216598	15.31	270679	15.318	80	50 - 200	-0.008	+/-0.50	
Phenanthrene-d10	347572	18.361	429616	18.369	81	50 - 200	-0.008	+/-0.50	
Chrysene-d12	288877	23.407	376030	23.407	77	50 - 200	0.000	+/-0.50	
Di-n-Octylphthalate-d4	433122	24.429	634628	24.429	68	50 - 200	0.000	+/-0.50	
Perylene-d12	247727	26.094	336225	26.094	74	50 - 200	0.000	+/-0.50	
Low Cal Check (SKL0355-LCV2)		(Water)	Lab File ID: NT1422123052.D				Analyzed: 12/31/22 15:05		
1,4-Dichlorobenzene-d4	120125	9.168	134439	9.168	89	50 - 200	0.000	+/-0.50	
Naphthalene-d8	431181	11.673	492388	11.681	88	50 - 200	-0.008	+/-0.50	
Acenaphthene-d10	221457	15.31	270679	15.318	82	50 - 200	-0.008	+/-0.50	
Phenanthrene-d10	356219	18.361	429616	18.369	83	50 - 200	-0.008	+/-0.50	
Chrysene-d12	294883	23.407	376030	23.407	78	50 - 200	0.000	+/-0.50	
Di-n-Octylphthalate-d4	439623	24.429	634628	24.429	69	50 - 200	0.000	+/-0.50	
Perylene-d12	255506	26.094	336225	26.094	76	50 - 200	0.000	+/-0.50	
Initial Cal Check (SKL0355-ICV5)		(Water)	Lab File ID: NT1422123066.D				Analyzed: 12/31/22 23:30		
1,4-Dichlorobenzene-d4	138755	9.16	134439	9.168	103	50 - 200	-0.008	+/-0.50	
Naphthalene-d8	501723	11.673	492388	11.681	102	50 - 200	-0.008	+/-0.50	
Acenaphthene-d10	275234	15.31	270679	15.318	102	50 - 200	-0.008	+/-0.50	
Phenanthrene-d10	440085	18.361	429616	18.369	102	50 - 200	-0.008	+/-0.50	
Chrysene-d12	384795	23.399	376030	23.407	102	50 - 200	-0.008	+/-0.50	
Di-n-Octylphthalate-d4	674530	24.421	634628	24.429	106	50 - 200	-0.008	+/-0.50	
Perylene-d12	336665	26.086	336225	26.094	100	50 - 200	-0.008	+/-0.50	
Low Cal Check (SKL0355-LCV3)		(Water)	Lab File ID: NT1422123067.D				Analyzed: 01/01/23 00:06		
1,4-Dichlorobenzene-d4	109143	9.16	134439	9.168	81	50 - 200	-0.008	+/-0.50	
Naphthalene-d8	397029	11.666	492388	11.681	81	50 - 200	-0.015	+/-0.50	
Acenaphthene-d10	204214	15.31	270679	15.318	75	50 - 200	-0.008	+/-0.50	
Phenanthrene-d10	329657	18.361	429616	18.369	77	50 - 200	-0.008	+/-0.50	
Chrysene-d12	269585	23.399	376030	23.407	72	50 - 200	-0.008	+/-0.50	
Di-n-Octylphthalate-d4	449369	24.421	634628	24.429	71	50 - 200	-0.008	+/-0.50	
Perylene-d12	227797	26.086	336225	26.094	68	50 - 200	-0.008	+/-0.50	

INTERNAL STANDARD AREA AND RT SUMMARY

EPA 8270E

Laboratory: Analytical Resources, LLC

Client: Anchor QEA, LLC

Sequence: SKL0355

SDG: 22L0307

Project: AOC4 UR Phase 3

Instrument: NT14

Calibration: FL00066

Internal Standard	Response	RT	Reference Response	Reference RT	Area %	Area % Limits	RT Diff	RT Diff Limit	Q
Low Cal Check (SKL0355-LCV4)		(Water)		Lab File ID: NT1422123068.D			Analyzed: 01/01/23 00:42		
1,4-Dichlorobenzene-d4	113715	9.16	134439	9.168	85	50 - 200	-0.008	+/-0.50	
Naphthalene-d8	412900	11.666	492388	11.681	84	50 - 200	-0.015	+/-0.50	
Acenaphthene-d10	210199	15.302	270679	15.318	78	50 - 200	-0.016	+/-0.50	
Phenanthrene-d10	341756	18.354	429616	18.369	80	50 - 200	-0.015	+/-0.50	
Chrysene-d12	291897	23.399	376030	23.407	78	50 - 200	-0.008	+/-0.50	
Di-n-Octylphthalate-d4	463051	24.421	634628	24.429	73	50 - 200	-0.008	+/-0.50	
Perylene-d12	229756	26.086	336225	26.094	68	50 - 200	-0.008	+/-0.50	
Calibration Check (SKL0355-CCV1)		(Water)		Lab File ID: NT1422123083.D			Analyzed: 01/01/23 09:41		
1,4-Dichlorobenzene-d4	133778	9.16	134439	9.168	100	50 - 200	-0.008	+/-0.50	
Naphthalene-d8	496301	11.666	492388	11.681	101	50 - 200	-0.015	+/-0.50	
Acenaphthene-d10	271703	15.302	270679	15.318	100	50 - 200	-0.016	+/-0.50	
Phenanthrene-d10	424221	18.353	429616	18.369	99	50 - 200	-0.016	+/-0.50	
Chrysene-d12	389585	23.399	376030	23.407	104	50 - 200	-0.008	+/-0.50	
Di-n-Octylphthalate-d4	687974	24.414	634628	24.429	108	50 - 200	-0.015	+/-0.50	
Perylene-d12	298756	26.078	336225	26.094	89	50 - 200	-0.016	+/-0.50	

INTERNAL STANDARD AREA AND RT SUMMARY

EPA 8270E

Laboratory:	Analytical Resources, LLC	SDG:	22L0307
Client:	Anchor QEA, LLC	Project:	AOC4 UR Phase 3
Sequence:	SLA0068	Instrument:	NT14
		Calibration:	FL00066

Internal Standard	Response	RT	Reference Response	Reference RT	Area %	Area % Limits	RT Diff	RT Diff Limit	Q
Initial Cal Check (SLA0068-ICV1)		(Water)	Lab File ID: NT1423010602.D				Analyzed: 01/06/23 12:05		
1,4-Dichlorobenzene-d4	134115	9.037	114022	9.037	118	50 - 200	0.000	+/-0.50	
Naphthalene-d8	499117	11.542	420653	11.534	119	50 - 200	0.008	+/-0.50	
Acenaphthene-d10	260320	15.171	216802	15.171	120	50 - 200	0.000	+/-0.50	
Phenanthrene-d10	432406	18.215	366121	18.215	118	50 - 200	0.000	+/-0.50	
Chrysene-d12	317887	23.268	276883	23.276	115	50 - 200	-0.008	+/-0.50	
Di-n-Octylphthalate-d4	664061	24.298	540641	24.298	123	50 - 200	0.000	+/-0.50	
Perylene-d12	313716	25.901	308305	25.901	102	50 - 200	0.000	+/-0.50	
Low Cal Check (SLA0068-LCV1)		(Water)	Lab File ID: NT1423010603.D				Analyzed: 01/06/23 12:48		
1,4-Dichlorobenzene-d4	163613	9.037	114022	9.037	143	50 - 200	0.000	+/-0.50	
Naphthalene-d8	617145	11.535	420653	11.534	147	50 - 200	0.001	+/-0.50	
Acenaphthene-d10	303137	15.171	216802	15.171	140	50 - 200	0.000	+/-0.50	
Phenanthrene-d10	507941	18.215	366121	18.215	139	50 - 200	0.000	+/-0.50	
Chrysene-d12	385291	23.269	276883	23.276	139	50 - 200	-0.007	+/-0.50	
Di-n-Octylphthalate-d4	688020	24.298	540641	24.298	127	50 - 200	0.000	+/-0.50	
Perylene-d12	361053	25.901	308305	25.901	117	50 - 200	0.000	+/-0.50	
Blank (BKL0585-BLK1)		(Solid)	Lab File ID: NT1423010611.D				Analyzed: 01/06/23 17:38		
Chrysene-d12	329074	23.276	276883	23.276	119	50 - 200	0.000	+/-0.50	
LCS (BKL0585-BS1)		(Solid)	Lab File ID: NT1423010612.D				Analyzed: 01/06/23 18:14		
Chrysene-d12	328270	23.276	276883	23.276	119	50 - 200	0.000	+/-0.50	
LCS Dup (BKL0585-BSD1)		(Solid)	Lab File ID: NT1423010613.D				Analyzed: 01/06/23 18:50		
Chrysene-d12	305246	23.276	276883	23.276	110	50 - 200	0.000	+/-0.50	
Initial Cal Check (SLA0068-ICV2)		(Water)	Lab File ID: NT1423010619.D				Analyzed: 01/06/23 22:27		
1,4-Dichlorobenzene-d4	114022	9.037	114022	9.037	100	50 - 200	0.000	+/-0.50	
Naphthalene-d8	420653	11.534	420653	11.534	100	50 - 200	0.000	+/-0.50	
Acenaphthene-d10	216802	15.171	216802	15.171	100	50 - 200	0.000	+/-0.50	
Phenanthrene-d10	366121	18.215	366121	18.215	100	50 - 200	0.000	+/-0.50	
Chrysene-d12	276883	23.276	276883	23.276	100	50 - 200	0.000	+/-0.50	
Di-n-Octylphthalate-d4	540641	24.298	540641	24.298	100	50 - 200	0.000	+/-0.50	
Perylene-d12	308305	25.901	308305	25.901	100	50 - 200	0.000	+/-0.50	

INTERNAL STANDARD AREA AND RT SUMMARY

EPA 8270E

Laboratory:	Analytical Resources, LLC	SDG:	22L0307
Client:	Anchor QEA, LLC	Project:	AOC4 UR Phase 3
Sequence:	SLA0068	Instrument:	NT14
		Calibration:	FL00066

Internal Standard	Response	RT	Reference Response	Reference RT	Area %	Area % Limits	RT Diff	RT Diff Limit	Q
Low Cal Check (SLA0068-LCV2)		(Water)	Lab File ID: NT1423010620.D				Analyzed: 01/06/23 23:03		
1,4-Dichlorobenzene-d4	145168	9.037	114022	9.037	127	50 - 200	0.000	+/-0.50	
Naphthalene-d8	532003	11.535	420653	11.534	126	50 - 200	0.001	+/-0.50	
Acenaphthene-d10	265857	15.171	216802	15.171	123	50 - 200	0.000	+/-0.50	
Phenanthrene-d10	447747	18.215	366121	18.215	122	50 - 200	0.000	+/-0.50	
Chrysene-d12	342757	23.269	276883	23.276	124	50 - 200	-0.007	+/-0.50	
Di-n-Octylphthalate-d4	606933	24.298	540641	24.298	112	50 - 200	0.000	+/-0.50	
Perylene-d12	363248	25.901	308305	25.901	118	50 - 200	0.000	+/-0.50	
Blank (BKL0585-BLK2)		(Solid)	Lab File ID: NT1423010621.D				Analyzed: 01/06/23 23:39		
Chrysene-d12	259600	23.269	276883	23.276	94	50 - 200	-0.007	+/-0.50	
LDW22-SC804B (22L0307-35)		(Solid)	Lab File ID: NT1423010625.D				Analyzed: 01/07/23 02:03		
Chrysene-d12	276130	23.276	276883	23.276	100	50 - 200	0.000	+/-0.50	
LDW22-SC804C (22L0307-36)		(Solid)	Lab File ID: NT1423010626.D				Analyzed: 01/07/23 02:39		
Chrysene-d12	260377	23.276	276883	23.276	94	50 - 200	0.000	+/-0.50	
LDW22-SC804D (22L0307-37)		(Solid)	Lab File ID: NT1423010627.D				Analyzed: 01/07/23 03:15		
Chrysene-d12	284702	23.284	276883	23.276	103	50 - 200	0.008	+/-0.50	
LDW22-SC804E (22L0307-38)		(Solid)	Lab File ID: NT1423010628.D				Analyzed: 01/07/23 03:51		
Chrysene-d12	268606	23.276	276883	23.276	97	50 - 200	0.000	+/-0.50	
LDW22-SC804F (22L0307-39)		(Solid)	Lab File ID: NT1423010629.D				Analyzed: 01/07/23 04:27		
Chrysene-d12	289946	23.276	276883	23.276	105	50 - 200	0.000	+/-0.50	
LDW22-SC804F-FD (22L0307-40)		(Solid)	Lab File ID: NT1423010630.D				Analyzed: 01/07/23 05:03		
Chrysene-d12	252041	23.276	276883	23.276	91	50 - 200	0.000	+/-0.50	
LDW22-SC804G (22L0307-41)		(Solid)	Lab File ID: NT1423010631.D				Analyzed: 01/07/23 05:39		
Chrysene-d12	248938	23.276	276883	23.276	90	50 - 200	0.000	+/-0.50	
LDW22-SC804H (22L0307-42)		(Solid)	Lab File ID: NT1423010632.D				Analyzed: 01/07/23 06:15		
Chrysene-d12	243191	23.276	276883	23.276	88	50 - 200	0.000	+/-0.50	
Reference (BKL0585-SRM1)		(Solid)	Lab File ID: NT1423010633.D				Analyzed: 01/07/23 06:51		
Chrysene-d12	261300	23.276	276883	23.276	94	50 - 200	0.000	+/-0.50	

INTERNAL STANDARD AREA AND RT SUMMARY

EPA 8270E

Laboratory:	Analytical Resources, LLC	SDG:	22L0307
Client:	Anchor QEA, LLC	Project:	AOC4 UR Phase 3
Sequence:	SLA0068	Instrument:	NT14
		Calibration:	FL00066

Internal Standard	Response	RT	Reference Response	Reference RT	Area %	Area % Limits	RT Diff	RT Diff Limit	Q
Calibration Check (SLA0068-CCV1)		(Water)		Lab File ID: NT1423010634.D				Analyzed: 01/07/23 07:27	
1,4-Dichlorobenzene-d4	105694	9.045	114022	9.037	93	50 - 200	0.008	+/-0.50	
Naphthalene-d8	397807	11.542	420653	11.534	95	50 - 200	0.008	+/-0.50	
Acenaphthene-d10	203080	15.179	216802	15.171	94	50 - 200	0.008	+/-0.50	
Phenanthrene-d10	331785	18.223	366121	18.215	91	50 - 200	0.008	+/-0.50	
Chrysene-d12	254746	23.276	276883	23.276	92	50 - 200	0.000	+/-0.50	
Di-n-Octylphthalate-d4	500355	24.306	540641	24.298	93	50 - 200	0.008	+/-0.50	
Perylene-d12	273505	25.909	308305	25.901	89	50 - 200	0.008	+/-0.50	

HOLDING TIME SUMMARY

Analysis: EPA 8270E

Laboratory: Analytical Resources, LLC SDG: 22L0307
Client: Anchor QEA, LLC Project: AOC4 UR Phase 3

Sample Name	Date Collected	Date Received	Date Prepared	Days to Prep	Max Days to Prep	Date Analyzed	Days to Analysis	Max Days to Analysis	Q
LDW22-SC804B 22L0307-35	12/12/22 11:18	12/12/22 16:42	12/27/22 11:08	14	365	01/07/23 02:03	11	40	
LDW22-SC804C 22L0307-36	12/12/22 11:18	12/12/22 16:42	12/27/22 11:08	14	365	01/07/23 02:39	11	40	
LDW22-SC804D 22L0307-37	12/12/22 11:18	12/12/22 16:42	12/27/22 11:08	14	365	01/07/23 03:15	11	40	
LDW22-SC804E 22L0307-38	12/12/22 11:18	12/12/22 16:42	12/27/22 11:08	14	365	01/07/23 03:51	11	40	
LDW22-SC804F 22L0307-39	12/12/22 11:18	12/12/22 16:42	12/27/22 11:08	14	365	01/07/23 04:27	11	40	
LDW22-SC804F-FD 22L0307-40	12/12/22 11:18	12/12/22 16:42	12/27/22 11:08	14	365	01/07/23 05:03	11	40	
LDW22-SC804G 22L0307-41	12/12/22 11:18	12/12/22 16:42	12/27/22 11:08	14	365	01/07/23 05:39	11	40	
LDW22-SC804H 22L0307-42	12/12/22 11:18	12/12/22 16:42	12/27/22 11:08	14	365	01/07/23 06:15	11	40	

* Indicates hold time exceedance.

METHOD DETECTION
AND REPORTING LIMITS

EPA 8270E

Laboratory:	Analytical Resources, LLC	SDG:	22L0307
Client:	Anchor QEA, LLC	Project:	AOC4 UR Phase 3
Matrix:	Solid	Instrument:	NT14

Analyte	MDL	RL	Units
Butylbenzylphthalate	9.4	20.0	ug/kg

Analytical Resources, Incorporated

Analytical Standard Record
Analytical Resources, Inc.
Standard ID: B001941

Printed: 9/25/2013 1:45:31PM

Description:	SVOC 2,4-Dinitrophenol	Expires:	31-Dec-29
Standard Type:	Calibration Stan	Prepared:	25-Sep-13
Solvent:	NA	Prepared By:	Jianqing Zhou
Final Volume (mls):	1	Department:	Organics
Vials:	1	Last Edit:	25-Sep-13 13:45 by JZ
Vendor:	SIGMA	Lot #:	65H5021
Vendor Catalog #:			

Comments

Neat, Purity @ 90-95%. (ARI#: 0466)

Analyte	CAS Number	Concentration	Units
2,4-Dinitrophenol	51-28-5	1000000	ug/mL

B001941
SVOA 2,4-Dinitrophenol
Expires 12/31/2029
Prepared By Jianqing Zhou 9/25/2013

Reviewed By Date

Appendix 20.1

ALTERNATE CERTIFICATE OF ANALYSIS

The manufacturer of the below chemical was unable to provide a Certificate of Analysis at the time of request by ARI.

Date Requested from Manufacturer: ______________________

Chemical: 2,4-Dinitrophenol

Manufacturer: Sigma

Product #: ______________________

Lot #: 6EH 5021

Purity: 90~95%

Analyst: ______________________

Analytical Resources, Incorporated

Analytical Standard Record
Analytical Resources, Inc.
Standard ID: B001945

Printed: 9/25/2013 3:23:22PM

Description:	SVOC Benzoic Acid	Expires:	31-Dec-29
Standard Type:	Calibration Stan	Prepared:	31-Dec-12
Solvent:	NA	Prepared By:	Jianqing Zhou
Final Volume (mls):	1	Department:	Organics
Vials:	1	Last Edit:	25-Sep-13 15:23 by JZ
Vendor:	ACROS Organics	Lot #:	A0224339
Vendor Catalog #:			

Comments

Neat, Purity @ 98%.

Analyte	CAS Number	Concentration	Units
Benzoic acid	65-85-0	1000000	ug/mL

B001945
SVOC Benzoic Acid
Expires 12/31/2029
Prepared By Jianqing Zhou 12/31/2012

Reviewed By Date

Appendix 20.1

ALTERNATE CERTIFICATE OF ANALYSIS

The manufacturer of the below chemical was unable to provide a Certificate of Analysis at the time of request by ARI.

Date Requested from Manufacturer: ______________________

Chemical: Benzoic Acid

Manufacturer: Acros Organics

Product #: ______________________

Lot #: A0224339

Purity: 98%

Analyst: ______________________

Analytical Resources, Incorporated

Analytical Standard Record
Analytical Resources, Inc.
Standard ID: B001948

Printed: 9/25/2013 3:37:51PM

Description:	SVOC 4,6-Dinitro-2-Methylphenol	Expires:	31-Dec-29
Standard Type:	Calibration Stan	Prepared:	25-Sep-13
Solvent:	NA	Prepared By:	Jianqing Zhou
Final Volume (mls):	1	Department:	Organics
Vials:	1	Last Edit:	25-Sep-13 15:37 by JZ
Vendor:	Chem Service	Lot #:	179-31A
Vendor Catalog #:			

Comments

Neat, Purity @ 99%. (ARI#: 009A)

Analyte	CAS Number	Concentration	Units
4,6-Dinitro-2-methylphenol	534-52-1	1000000	ug/mL

B001948
SVOA 4,6-Dinitro-2-Methylphenol
Expires 12/31/2029
Prepared By Jianqing Zhou 9/25/2013

Reviewed By Date

Appendix 20.1

ALTERNATE CERTIFICATE OF ANALYSIS

The manufacturer of the below chemical was unable to provide a Certificate of Analysis at the time of request by ARI.

Date Requested from Manufacturer: ______

Chemical: 4.6-Dinitro-2-Methylphenol

Manufacturer: Chem Service

Product #: ______

Lot #: 179-31A

Purity: 99%

Analyst: ______

Analytical Resources, Incorporated

Analytical Standard Record
Analytical Resources, Inc.
Standard ID: B002054

Printed: 10/4/2013 6:32:21PM

Description:	SVOA 1-Methylnaphthalene	Expires:	02-Apr-14
Standard Type:	Analyte Spike	Prepared:	13-Dec-12
Solvent:	NA	Prepared By:	Jianqing Zhou
Final Volume (mls):	1	Department:	Organics
Vials:	1	Last Edit:	04-Oct-13 18:32 by JZ
Vendor:	Chem Service	Lot #:	62-5B
Vendor Catalog #:			

Comments

Neat, Purity @ 99%

Analyte	CAS Number	Concentration	Units
1-Methylnaphthalene	90-12-0	1000000	ug/mL

B002054
SVOA 1-Methylnaphthalene
Solvent / Lot: NA
Prep: 12/13/2012 by JZ
Exp: 12/31/2029
Location:

Reviewed By Date

Analytical Resources, Incorporated
Analytical Chemists and Consultants

Appendix 20.1

ALTERNATE CERTIFICATE OF ANALYSIS

The manufacturer of the below chemical was unable to provide a Certificate of Analysis at the time of request by ARI.

Date Requested from Manufacturer: ______________________

Chemical: 1-Methyl naphthalene

Manufacturer: Chem service

Product #: 0787

Lot #: 62-53

Purity: 99%

Analyst: ______________________

Certificate of Composition - Analytical Standard

BASE STOCK

Product no.:	22523051
Lot no.:	LRAC9813
Expiry Date:	May 2023
Manufacturing Date:	May 2021
Storage:	Refrigerate
Solvent/Matrix:	Dichloromethane
Certificate version:	LRAC9813.01 (*Note: Certificates may be updated due to the availability of new data. Check our website at: www.sigma-aldrich.com for the most current version.*)

J005199
SVOA-ABN BASE STOCK-200-800ug/ml
Expires 5/31/2023
Prepared By Jianqing Zhou 5/18/2021

Analyte	*Assigned Value*	*Units*	*Raw Material Purity,%*	*Raw Material Lot*
3,3'-DICHLOROBENZIDINE CAS# 91-94-1	802	µg/mL	99.9	LC27068
2,4-DINITROTOLUENE CAS# 121-14-2	802	µg/mL	97.8	LB46632
2,6-DINITROTOLUENE CAS# 606-20-2	801	µg/mL	99.9	LB79891
HEXACHLOROCYCLOPENTADIENE CAS# 77-47-4	802	µg/mL	96.0	LB95525
N-NITROSODIMETHYLAMINE CAS# 62-75-9	801	µg/mL	95.0	2019-0305985
PERYLENE CAS# 198-55-0	201	µg/mL	99.6	04101PG
ANILINE CAS# 62-53-3	803	µg/mL	100.0	10126MG
4-CHLOROANILINE CAS# 106-47-8	803	µg/mL	100.0	MKBZ6909V
2-NITROANILINE CAS# 88-74-4	802	µg/mL	99.9	LC05068
3-NITROANILINE CAS# 99-09-2	802	µg/mL	99.9	LC09264
4-NITROANILINE CAS# 100-01-6	802	µg/mL	99.9	LC11400
PYRIDINE (LOW WATER) CAS# 110-86-1	802	µg/mL	100.0	SHBJ9218

Measurement method:	Where applicable, the assigned value is based on a purity determination by mass balance and gravimetrically prepared value.
Intended use:	Intended for R&D and Analytical Use only. Not for drug, household or other uses.
Packaging:	1 mL in amber ampule
Instructions for handling and correct use:	Use on the as is basis. The internal pressure of the container may be slightly different from the atmospheric pressure at the user`s location. Open slowly and carefully to avoid dispersion of the material.

Health and safety information:	All chemical reference materials should be considered potentially hazardous and should be used only by qualified laboratory personnel. Please refer to the Safety Data Sheet for detailed information about the nature of any hazard and appropriate precautions to be taken.
Certificate issue date:	12-May-2021

Andy Ommen - QC Manager

Mark Pooler - QA Supervisor

Certificate of analysis revision history:

Certificate version	Date	Reason for version
LRAC9813.01 .	12-May-2021	Original Release Date

Disclaimer: The purchaser is required to determine the suitability of this product for any particular application. Sigma-Aldrich RTC makes no warranty of any kind, express or implied, other than its products meet all quality control standards set by Sigma-Aldrich RTC. We do not guarantee that the product can be used for any particular application.

Certificate of Composition - Analytical Standard

ACID STOC

J005200
SVOA-ABN ACID STOCK-200-800ug/ml
Solvent / Lot: DCM
Prep: 5/18/2021 by JZ
Exp: 5/31/2023
Location:

Product no.:	22523046
Lot no.:	LRAC9812
Expiry Date:	May 2023
Manufacturing Date:	May 2021
Storage:	Refrigerate
Solvent/Matrix:	Dichloromethane
Certificate version:	LRAC9812.01 *(Note: Certificates may be updated due to the availability of new data. Check our website at: www.sigma-aldrich.com for the most current version.)*

JZ 5/18/21

Analyte	*Assigned Value*	*Units*	*Raw Material Purity,%*	*Raw Material Lot*
2,4-DIMETHYLPHENOL CAS# 105-67-9	802	µg/mL	99.9	LB88935
2,4-DICHLOROPHENOL CAS# 120-83-2	802	µg/mL	100.0	BCBZ6787
2,4,5-TRICHLOROPHENOL CAS# 95-95-4	802	µg/mL	99.9	JS00008
2,4-DINITROPHENOL CAS# 51-28-5	1806	µg/mL	75.9	MKBP5833V
2,4,6-TRICHLOROPHENOL CAS# 88-06-2	803	µg/mL	98.7	LB82983
4-CHLORO-3-METHYLPHENOL CAS# 59-50-7	801	µg/mL	99.9	JS00013
4-NITROPHENOL CAS# 100-02-7	801	µg/mL	99.9	LC10889
2-METHYL-4,6-DINITROPHENOL CAS# 534-52-1	1804	µg/mL	99.7	LC18338
PENTACHLOROPHENOL CAS# 87-86-5	803	µg/mL	98.7	MKCK8156
BENZOIC ACID CAS# 65-85-0	1805	µg/mL	99.9	LC16514

Measurement method:	Where applicable, the assigned value is based on a purity determination by mass balance and gravimetrically prepared value.
Intended use:	Intended for R&D and Analytical Use only. Not for drug, household or other uses.
Packaging:	1 mL in amber ampule
Instructions for handling and correct use:	Use on the as is basis. The internal pressure of the container may be slightly different from the atmospheric pressure at the user`s location. Open slowly and carefully to avoid dispersion of the material.
Health and safety information:	All chemical reference materials should be considered potentially hazardous and should be used only by qualified laboratory personnel. Please refer to the Safety Data Sheet for detailed information about the nature of any hazard and appropriate precautions to be taken.

Agilent

Certificate of Analysis

J008074
SVOA PAH STD 2000ug/ml
Expires 6/30/2023
Prepared By Joshua Rains 8/5/2021

Product Name: PAH Standard

Product Number: US-106N-1 **Lot Issue Date:** 11-Jun-2020

Lot Number: 0006540449 **Expiration Date:** 30-Jun-2023

Description:

This analytical reference material (RM) was manufactured and verified in accordance with an ISO 9001 registered quality system, and analyte concentrations were verified by an ISO 17025 accredited laboratory. The concentration and uncertainty value at the 95% confidence level for each analyte, determined gravimetrically, is listed below.

Analyte	CAS#	Analyte Lot	Concentration ± Uncertainty
acenaphthene	000083-32-9	RM10879	2008 ± 10 µg/mL
acenaphthylene	000208-96-8	RM10891	2003 ± 10 µg/mL
anthracene	000120-12-7	RM14212	2006 ± 10 µg/mL
benz[a]anthracene	000056-55-3	RM16072	2006 ± 10 µg/mL
benzo[b]fluoranthene	000205-99-2	RM14571	2005 ± 10 µg/mL
benzo[k]fluoranthene	000207-08-9	RM14321	2009 ± 10 µg/mL
benzo[ghi]perylene	000191-24-2	RM15761	2008 ± 10 µg/mL
benzo[a]pyrene	000050-32-8	RM12669	2009 ± 10 µg/mL
chrysene	000218-01-9	RM12260	2009 ± 10 µg/mL
dibenz[a,h]anthracene	000053-70-3	RM06786	2009 ± 10 µg/mL
fluoranthene	000206-44-0	RM12277	2004 ± 10 µg/mL
fluorene	000086-73-7	RM09441	2009 ± 10 µg/mL
indeno[1,2,3-cd]pyrene	000193-39-5	RM14192	2009 ± 10 µg/mL
naphthalene	000091-20-3	NT00970	2008 ± 10 µg/mL
phenanthrene	000085-01-8	RM10495	2009 ± 10 µg/mL
pyrene	000129-00-0	RM03479	2008 ± 10 µg/mL

Matrix: methylene chloride/benzene (1:1)

ISO 17034 Cert No.
AR-1936

RM was produced in accordance with TUV USA Inc registered ISO 9001 Quality Management System. Cert # 56 100 18560026

www.agilent.com/quality/

ISO 17025 Cert
No. AT-1937

Agilent

Certificate of Analysis

Product Number: US-106N-1 **Lot Number:** 0006540449

Storage Conditions: Store at Room Temperature (15° to 30°C).

Traceability:
The balances used for these measurements are calibrated with weights traceable to NIST in compliance with ANSI/NCSL Z540.3, ISO 9001, ISO 17025, and ISO 17034. Calibrated Class A glassware is used for volumetric measurements. Thermometers are calibrated against a NIST traceable thermometer in accordance with NIST Special Publication 1088.

Homogeneity:
This RM was unitized according to an in-house procedure and is guaranteed to be homogeneous. There is no minimum sub-sample size required.

Intended Use:
This RM is intended for the preparation of working reference samples for use in routine laboratory analyses, calibration of instruments, validation of analytical methods, assessments of measurement methods, and continuing calibration verification.

Instructions for Use:
Sample aliquots for analysis should be withdrawn at 20°C to 25°C immediately after opening the container and should be processed without delay for the certified values to be valid within the stated uncertainties.

Hazards:
Refer to the Safety Data Sheet on www.agilent.com for information regarding this RM.

Expiration of Certification:
The certification of this RM is valid until the expiration date specified above, provided the RM is handled and stored in accordance with the instructions given in this certificate. This certification is nullified if the RM is damaged, contaminated, or otherwise modified.

Maintenance of Certification:
If substantive changes are noted that affect the certification before the expiration of this certificate, Agilent will notify the purchaser.

Sample lot approver:

Monica Bourgeois
QMS Representative

ANAB ACCREDITED ISO 17034 REFERENCE MATERIAL PRODUCER

RM was produced in accordance with TUV USA Inc registered ISO 9001 Quality Management System. Cert # 56 100 18560026

www.agilent.com/quality/

ANAB ACCREDITED ISO/IEC 17025 TESTING LABORATORY

ISO 17034 Cert No. AR-1936

ISO 17025 Cert No. AT-1937

Certificate of Analysis

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Certified Reference Material

This product is certified in accordance with Phenova's ISO 17034 accreditation and supported by Phenova's ISO/IEC 17025 chemical testing accreditation

Catalog No.:	AL0-101244	**Lot Number:**	CL16062
Description:	Benzidines Standard	**Certification Date:**	November 19, 2020
Storage:	4 °C	**Expiration Date:**	November 30, 2030
Provided As:	1 mL in 2 mL Ampoule in Methylene Chloride		

Andrea L Gill

Andrea Gill, Certified Reference Materials Manager

Component	CAS #	Certified Value µg/mL	Expanded Uncertainty
Benzidine	92-87-5	2000	± 2.740%
3,3'-Dichlorobenzidine	91-94-1	2000	± 3.229%

J008310
Benzidines std @2000ug/ml
Expires 11/30/2030
Prepared By Van Spohn 8/12/2021

IL64691018_us

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1. Quality Document: This Certificate of Analysis has been created in accordance with ISO Guide 31[1] and ISO Guide 35.[2]

2. Quality Standards: Phenova is accredited by A2LA to ISO 17034[3] and ISO/IEC 17025[4] as a producer of Certified Reference Materials and Reference Materials. This ensures that our manufacturing processes have been accredited to and meet strict international standards.

3. Intended Use: The product is manufactured for use in calibration, calibration verification, quantification, identification and other appropriate analytical control applications. The product is intended for routine laboratory analysis and research purposes only. Only trained personnel should handle this product.

4. Handling and Usage Notes: Store according to recommended conditions listed and avoid prolonged exposure to light. Visually inspect the solution inside the ampoule for any un-dissolved material. If particulate is visible, sonicate the unopened ampoule until material is fully dissolved. Dilute as required, use only class A glassware and diluents compatible with all analytes in the mixture. Considerations should be made related to repeated use of the opened product. Once opened, exposure to light, air, heat, objects, and additional transfer vessels may cause evaporation, degradation or contamination resulting in changes in concentration, uncertainty and stability duration. Store opened standards in a clean, tightly capped vessel under the recommended temperature. Appropriate controls, such as the use of additional verification standards should be used to confirm the opened product is fit for purpose under repeated use conditions.

5. Hazardous Situation: The product is intended for use by experienced professional personnel. A Safety Data Sheet (SDS) is available at www.phenova.com/documents.

6. Level of Homogeneity: The product has been certified to guarantee the certified values and their uncertainties at a volume of 2 µL.

7. Certified Value: Certified Value is based upon gravimetric and volumetric preparation using calibrated balances and Class A glassware.

8. Raw Materials and Purity: Phenova reference standard products are prepared from the highest quality starting materials. The purity of this material was verified using an ISO/IEC 17025 methodology.

9. Expanded Uncertainty: The expanded uncertainty (uCRM) as stated is determined in accordance with ISO/IEC Guide 98[5] and ISO Guide 35 incorporating Type A standard uncertainty at a 95% confidence level. The uncertainty contains elements of manufacturing (uM), homogeneity analysis (uH) and long-term stability testing (uLTS). The uncertainty is calculated based on the root-sum-of-squares equation times a coverage factor (k=2).

   $$uCRM = k\sqrt{uM^2 + uH^2 + uLTS^2}$$

   Transport conditions (short-term stability) have been tested such that there is no contribution to the uncertainty reported. The expanded uncertainty applies to the product as received.

10. Metrological Traceability: The property value (certified value and its uncertainty) are traceable through an unbroken chain of calibration to the SI base unit kg through a NIST traceable weight in accordance with ISO 17034. This is achieved through calibration of balances, verification of weights, use of national methodology for glassware calibration and product homogeneity and stability testing utilizing an ISO/IEC 17025 methodology.

11. Values Obtained During Product Testing: This product is subjected to verification, homogeneity and stability testing using an ISO/IEC17025 chromatographic methodology. All values obtained during testing meet criteria in accordance with ISO 17034.

12. Period of Validity: The Certified Values, Uncertainties and Expiration Date are based on the unopened product being stored according to the recommended storage condition listed and are guaranteed until the expiration date. This product will be monitored during the period of validity and customers notified of any significant changes in stability.

References:

[1] ISO Guide 31 – Reference Materials – Contents of Certificates and Labels.
[2] ISO Guide 35 – Reference Material – General and Statistical Principles for Certification.
[3] ISO 17034 – General Requirements for the Competence of Reference Material Producers.
[4] ISO/IEC 17025 – General Requirements for the Competence of Testing and Calibration Laboratories.
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Certified Reference Material

This product is certified in accordance with Phenova's ISO 17034 accreditation and supported by Phenova's ISO/IEC 17025 chemical testing accreditation

Catalog No.:	AL0-101246	**Lot Number:**	CL16693
Description:	Benzoic Acid	**Certification Date:**	May 6, 2021
Storage:	4 °C	**Expiration Date:**	April 30, 2031
Provided As:	1 mL in 2 mL Ampoule in Methylene Chloride		

Andrea L Gill

Andrea Gill, Certified Reference Materials Manager

Component	CAS #	Certified Value µg/mL	Expanded Uncertainty
Benzoic acid	65-85-0	2000	± 4.383%

K3238

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1. Quality Document: This Certificate of Analysis has been created in accordance with ISO Guide 31[1] and ISO Guide 35.[2]

2. Quality Standards: Phenova is accredited by A2LA to ISO 17034[3] and ISO/IEC 17025[4] as a producer of Certified Reference Materials and Reference Materials. This ensures that our manufacturing processes have been accredited to and meet strict international standards.

3. Intended Use: The product is manufactured for use in calibration, calibration verification, quantification, identification and other appropriate analytical control applications. The product is intended for routine laboratory analysis and research purposes only. Only trained personnel should handle this product.

4. Handling and Usage Notes: Store according to recommended conditions listed and avoid prolonged exposure to light. Visually inspect the solution inside the ampoule for any un-dissolved material. If particulate is visible, sonicate the unopened ampoule until material is fully dissolved. Dilute as required, use only class A glassware and diluents compatible with all analytes in the mixture. Considerations should be made related to repeated use of the opened product. Once opened, exposure to light, air, heat, objects, and additional transfer vessels may cause evaporation, degradation or contamination resulting in changes in concentration, uncertainty and stability duration. Store opened standards in a clean, tightly capped vessel under the recommended temperature. Appropriate controls, such as the use of additional verification standards should be used to confirm the opened product is fit for purpose under repeated use conditions.

5. Hazardous Situation: The product is intended for use by experienced professional personnel. A Safety Data Sheet (SDS) is available at www.phenova.com/documents.

6. Level of Homogeneity: The product has been certified to guarantee the certified values and their uncertainties at a volume of 25 µL.

7. Certified Value: Certified Value is based upon gravimetric and volumetric preparation using calibrated balances and Class A glassware.

8. Raw Materials and Purity: Phenova reference standard products are prepared from the highest quality starting materials. The purity of this material was verified using an ISO/IEC 17025 methodology.

9. Expanded Uncertainty: The expanded uncertainty (uCRM) as stated is determined in accordance with ISO/IEC Guide 98[5] and ISO Guide 35 incorporating Type A standard uncertainty at a 95% confidence level. The uncertainty contains elements of manufacturing (uM), homogeneity analysis (uH) and long-term stability testing (uLTS). The uncertainty is calculated based on the root-sum-of-squares equation times a coverage factor (k=2).

   $$uCRM = k\sqrt{uM^2 + uH^2 + uLTS^2}$$

   Transport conditions (short-term stability) have been tested such that there is no contribution to the uncertainty reported. The expanded uncertainty applies to the product as received.

10. Metrological Traceability: The property value (certified value and its uncertainty) are traceable through an unbroken chain of calibration to the SI base unit kg through a NIST traceable weight in accordance with ISO 17034. This is achieved through calibration of balances, verification of weights, use of national methodology for glassware calibration and product homogeneity and stability testing utilizing an ISO/IEC 17025 methodology.

11. Values Obtained During Product Testing: This product is subjected to verification, homogeneity and stability testing using an ISO/IEC 17025 chromatographic methodology. All values obtained during testing meet criteria in accordance with ISO 17034.

12. Period of Validity: The Certified Values, Uncertainties and Expiration Date are based on the unopened product being stored according to the recommended storage condition listed and are guaranteed until the expiration date. This product will be monitored during the period of validity and customers notified of any significant changes in stability.

References:

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[4] ISO/IEC 17025 – General Requirements for the Competence of Testing and Calibration Laboratories.
[5] ISO/IEC Guide 98-3:2008(E) – Uncertainty of Measurement – Part 3: Guide to Expression of Uncertainty in Measurement (GUM: 1995)

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Certified Reference Material

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Catalog No.:	AL0-101443	**Lot Number:**	CL17696
Description:	Aniline	**Certification Date:**	December 14, 2021
Storage:	4 °C	**Expiration Date:**	December 31, 2029
Provided As:	1 mL in 2 mL Ampoule in Methylene Chloride		

Andrea L Gill
Andrea Gill, Certified Reference Materials Manager

Component	CAS #	Certified Value µg/mL	Expanded Uncertainty
Aniline	62-53-3	1000	± 0.760%

K3239

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5. Hazardous Situation: The product is intended for use by experienced professional personnel. A Safety Data Sheet (SDS) is available at www.phenova.com/documents.

6. Level of Homogeneity: The product has been certified to guarantee the certified values and their uncertainties at a volume of 2 µL.

7. Certified Value: Certified Value is based upon gravimetric and volumetric preparation using calibrated balances and Class A glassware.

8. Raw Materials and Purity: Phenova reference standard products are prepared from the highest quality starting materials. The purity of this material was verified using an ISO/IEC 17025 methodology.

9. Expanded Uncertainty: The expanded uncertainty (uCRM) as stated is determined in accordance with ISO/IEC Guide 98[5] and ISO Guide 35 incorporating Type A standard uncertainty at a 95% confidence level. The uncertainty contains elements of manufacturing (uM), homogeneity analysis (uH) and long-term stability testing (uLTS). The uncertainty is calculated based on the root-sum-of-squares equation times a coverage factor (k=2).

   $$uCRM = k\sqrt{uM^2 + uH^2 + uLTS^2}$$

   Transport conditions (short-term stability) have been tested such that there is no contribution to the uncertainty reported. The expanded uncertainty applies to the product as received.

10. Metrological Traceability: The property value (certified value and its uncertainty) are traceable through an unbroken chain of calibration to the SI base unit kg through a NIST traceable weight in accordance with ISO 17034. This is achieved through calibration of balances, verification of weights, use of national methodology for glassware calibration and product homogeneity and stability testing utilizing an ISO/IEC 17025 methodology.

11. Values Obtained During Product Testing: This product is subjected to verification, homogeneity and stability testing using an ISO/IEC 17025 chromatographic methodology. All values obtained during testing meet criteria in accordance with ISO 17034.

12. Period of Validity: The Certified Values, Uncertainties and Expiration Date are based on the unopened product being stored according to the recommended storage condition listed and are guaranteed until the expiration date. This product will be monitored during the period of validity and customers notified of any significant changes in stability.

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Certificate of Analysis

BNAs - Sandy Loam 1

Certified Reference Material

Description

Product ID	CRM143-50G
Lot	**LRAC8918**
Expiration Date	January 2024
Manufacturing Date	January 2021
Storage Conditions	Refrigerate
Solvent/Matrix	SOIL

Certified Values

Analyte	*Units*	*Certified Value*[1,4]
1,2,4-Trichlorobenzene	µg/Kg	1477 ± 181
1,3-Dichlorobenzene (m-Dichlorobenzene)	µg/Kg	1625 ± 292
1-Chloronaphthalene	µg/Kg	2809 ± 84
2,3-Dimethylphenol	µg/Kg	4552 ± 137
2,4,5-Trichlorophenol	µg/Kg	3438 ± 245
2,4,6-Trichlorophenol	µg/Kg	2194 ± 251
2,4-Dichlorophenol	µg/Kg	6991 ± 394
2,4-Dimethylphenol	µg/Kg	6357 ± 879
2,4-Dinitrophenol	µg/Kg	2922 ± 523
2,4-Dinitrotoluene (2,4-DNT)	µg/Kg	3318 ± 442
2,6-Dichlorophenol	µg/Kg	4578 ± 874
2,6-Dimethylphenol	µg/Kg	7582 ± 228
2-Chloronaphthalene	µg/Kg	2223 ± 168
2-Chlorophenol	µg/Kg	1678 ± 202
2-Methyl-4,6-dinitrophenol (4,6-Dinitro-2-methylphenol)	µg/Kg	5148 ± 685
2-Methylphenol (o-Cresol)	µg/Kg	6004 ± 573
2-Nitrophenol	µg/Kg	6456 ± 383
3,4-Dimethylphenol	µg/Kg	7185 ± 216
3+4-Methylphenol (m+p-Cresol)	µg/Kg	8033 ± 1613
4-Bromophenyl phenyl ether (BDE-3)	µg/Kg	7169 ± 310
4-Chloro-3-methylphenol	µg/Kg	2071 ± 110
4-Chlorophenyl phenylether	µg/Kg	2052 ± 113
4-Methylphenol (p-Cresol)	µg/Kg	6617 ± 1371
4-Nitrophenol	µg/Kg	6812 ± 595
Acenaphthene	µg/Kg	5489 ± 380

ANAB ACCREDITED ISO 17034 REFERENCE MATERIAL PRODUCER

Description

Lot	**LRAC8918**
Expiration Date	January 2024
Manufacturing Date	January 2021
Storage Conditions	Refrigerate
Solvent/Matrix	SOIL

Acenaphthylene	µg/Kg	1948 ± 240
Anthracene	µg/Kg	2866 ± 237
Benzo(a)anthracene	µg/Kg	5751 ± 552
Benzo(a)pyrene	µg/Kg	5902 ± 612
Benzo(b)fluoranthene	µg/Kg	3010 ± 409
Benzo(b+k)fluoranthene	µg/Kg	6534 ± 196
Benzo(g,h,i)perylene	µg/Kg	1380 ± 136
Benzo(k)fluoranthene	µg/Kg	2215 ± 237
Butyl benzyl phthalate	µg/Kg	3511 ± 384
Carbazole	µg/Kg	5412 ± 407
Chrysene	µg/Kg	1477 ± 72
Di(2-ethylhexyl) phthalate (bis(2-Ethylhexyl)phthalate, DEHP)	µg/Kg	2905 ± 321
Dibenzo(a,h)anthracene	µg/Kg	3420 ± 302
Dibenzofuran	µg/Kg	6130 ± 253
Dimethyl phthalate	µg/Kg	4537 ± 250
Di-n-butyl phthalate	µg/Kg	1721 ± 154
Di-n-octyl phthalate	µg/Kg	2744 ± 288
Fluoranthene	µg/Kg	2497 ± 222
Fluorene	µg/Kg	3724 ± 222
Hexachlorobutadiene	µg/Kg	1877 ± 245
Indeno(1,2,3-cd) pyrene	µg/Kg	3914 ± 409
Isophorone	µg/Kg	1615 ± 170
Naphthalene	µg/Kg	4458 ± 480
Nitrobenzene	µg/Kg	3539 ± 266
n-Nitrosodimethylamine	µg/Kg	1580 ± 402
n-Nitrosodiphenylamine	µg/Kg	2854 ± 379
Pentachlorophenol	µg/Kg	3411 ± 358
Phenanthrene	µg/Kg	5052 ± 385
Phenol	µg/Kg	2660 ± 184
Pyrene	µg/Kg	2964 ± 256
Pyridine	µg/Kg	1008 ± 30

Informational Values

ANAB ACCREDITED ISO 17034 REFERENCE MATERIAL PRODUCER

Certificate of Analysis

BNAs - Sandy Loam 1

Certified Reference Material

Description

Product ID	CRM143-50G
Lot	**LRAC8918**
Expiration Date	January 2024
Manufacturing Date	January 2021
Storage Conditions	Refrigerate
Solvent/Matrix	SOIL

Analyte	*Units*	*Suggested Acceptance Windows*	*Standard Deviation*
1,2,4-Trichlorobenzene	µg/Kg	148 to 2853	459
1,3-Dichlorobenzene (m-Dichlorobenzene)	µg/Kg	163 to 3440	605
1-Chloronaphthalene	µg/Kg	1123 to 4494	562
2,3-Dimethylphenol	µg/Kg	1821 to 7284	910
2,4,5-Trichlorophenol	µg/Kg	1003 to 5872	811
2,4,6-Trichlorophenol	µg/Kg	640 to 3748	518
2,4-Dichlorophenol	µg/Kg	2391 to 11591	1533
2,4-Dimethylphenol	µg/Kg	0.00 to 13959	2534
2,4-Dinitrophenol	µg/Kg	1169 to 4675	584
2,4-Dinitrotoluene (2,4-DNT)	µg/Kg	1248 to 5388	690
2,6-Dichlorophenol	µg/Kg	1831 to 7324	916
2,6-Dimethylphenol	µg/Kg	3033 to 12132	1516
2-Chloronaphthalene	µg/Kg	748 to 3699	492
2-Chlorophenol	µg/Kg	415 to 2942	421
2-Methyl-4,6-dinitrophenol (4,6-Dinitro-2-methylphenol)	µg/Kg	0.00 to 10347	1733
2-Methylphenol (o-Cresol)	µg/Kg	1306 to 10702	1566
2-Nitrophenol	µg/Kg	1534 to 11379	1641
3,4-Dimethylphenol	µg/Kg	2874 to 11495	1437
3+4-Methylphenol (m+p-Cresol)	µg/Kg	4054 to 16218	2027
4-Bromophenyl phenyl ether (BDE-3)	µg/Kg	2901 to 11437	1423
4-Chloro-3-methylphenol	µg/Kg	677 to 3464	464
4-Chlorophenyl phenylether	µg/Kg	756 to 3348	432
4-Methylphenol (p-Cresol)	µg/Kg	2647 to 10587	1323
4-Nitrophenol	µg/Kg	681 to 14762	2650
Acenaphthene	µg/Kg	2243 to 8736	1082
Acenaphthylene	µg/Kg	712 to 3183	412
Anthracene	µg/Kg	1218 to 4515	550
Benzo(a)anthracene	µg/Kg	2806 to 8696	982
Benzo(a)pyrene	µg/Kg	2512 to 9292	1130
Benzo(b)fluoranthene	µg/Kg	1197 to 4822	604
Benzo(b+k)fluoranthene	µg/Kg	2614 to 10454	1307

Description

Lot **LRAC8918**
Expiration Date January 2024
Manufacturing Date January 2021
Storage Conditions Refrigerate
Solvent/Matrix SOIL

Benzo(g,h,i)perylene	µg/Kg	489 to 2271	297
Benzo(k)fluoranthene	µg/Kg	892 to 3537	441
Butyl benzyl phthalate	µg/Kg	1255 to 5766	752
Carbazole	µg/Kg	2032 to 8792	1127
Chrysene	µg/Kg	669 to 2284	269
Di(2-ethylhexyl) phthalate (bis(2-Ethylhexyl)phthalate, DEHP)	µg/Kg	765 to 5045	713
Dibenzo(a,h)anthracene	µg/Kg	1257 to 5583	721
Dibenzofuran	µg/Kg	2766 to 9493	1121
Dimethyl phthalate	µg/Kg	1842 to 7231	898
Di-n-butyl phthalate	µg/Kg	495 to 2947	409
Di-n-octyl phthalate	µg/Kg	690 to 4798	685
Fluoranthene	µg/Kg	984 to 4009	504
Fluorene	µg/Kg	1638 to 5810	695
Hexachlorobutadiene	µg/Kg	425 to 3329	484
Indeno(1,2,3-cd) pyrene	µg/Kg	870 to 6957	1015
Isophorone	µg/Kg	437 to 2792	392
Naphthalene	µg/Kg	1131 to 7784	1109
Nitrobenzene	µg/Kg	1024 to 6054	838
n-Nitrosodimethylamine	µg/Kg	632 to 2528	316
n-Nitrosodiphenylamine	µg/Kg	1142 to 4567	571
Pentachlorophenol	µg/Kg	341 to 7037	1209
Phenanthrene	µg/Kg	2307 to 7798	915
Phenol	µg/Kg	681 to 4639	660
Pyrene	µg/Kg	1118 to 4810	615
Pyridine	µg/Kg	403 to 1613	202

Additional Information:

DESCRIPTION

The organic sample is a soil containing extractable BNAs for analysis by 8100, 8270, 8310 or equivalent methods.

This product consist of a 5 vials each containing 10g of soil for analysis of PAHs. Each vial is identical and has been tested how homogeneity. Only one vial is need for test the remaining vials are to be used for multiple methods or routine testing.

The soil has been sterilized to minimize degradation of the sample.

The sample has been sized to 100 mesh.

Required storage condition is 4ºC.

The sample has been intentionally prepared with an apparent headspace.

STORAGE

The sample should be stored at 4ºC. It has been determined to be stable for the duration of the expiration date.

After sub-sampling replace cap securely and store remaining sample at 4ºC.

The shelf life of the product was determined by historic stability of similar CRM's. The expiration date may be extended based on stock and popularity upon successful stability testing by a 17025 accredited laboratory.

Certificate of Analysis

BNAs - Sandy Loam 1

Certified Reference Material

Description

Product ID	CRM143-50G
Lot	**LRAC8918**
Expiration Date	January 2024
Manufacturing Date	January 2021
Storage Conditions	Refrigerate
Solvent/Matrix	SOIL

Stability and shelf life after opening must be determined by the user, taking into account sampling frequency/volume and all local conditions.

SAMPLE PREPARATION

Extract the complete contents of a single vial. Transfer entire contents of one vial to extraction vessel. Rinse vial and cap with extraction solvent.

Assume a 10g sample size for all calculations.

Note: Sample extracts and calibration solutions should be in the same solvent.

Report all results on a wet weight basis, do not correct for moisture.

NOTE: For method 8100 and using a packed column gas chromatographic method or cannot adequately resolve the following may coelute in four pairs of compounds: anthracene and phenanthrene; chrysene and benzo(a)anthracene; benzo(b)fluoranthene and benzo(k)fluoranthene; and dibenzo(a,h)anthracene and indeno(1,2,3-cd)pyrene.

SCOPE AND APPLICATION

The BNAs in Soil Certified Reference Material (CRM) consists of 5 10mL VOA vials, with a Teflon lined closures containing approximately 10 grams of soil, fortified with BNAs. Being a natural matrix waste sample the analyst is challenged by the same preparation problems, analytical interferences, etc. as is typical for similar matrices received by the laboratory for analysis.

ANAB ACCREDITED
ISO 17034
REFERENCE MATERIAL PRODUCER

Description

Lot	**LRAC8918**
Expiration Date	January 2024
Manufacturing Date	January 2021
Storage Conditions	Refrigerate
Solvent/Matrix	SOIL

---

1 **Metrological traceability:** Traceable to the SI and higher order standards from NIST through an unbroken chain of comparisons. The balance used to weigh raw materials is accurate to +/-0.0001 g and calibrated regularly using mass standards traceable to NIST. All dilutions were performed gravimetrically. Additionally, individual analytes are traceable to NIST SRMs where available and specified above.

4 Ucrm - Uncertainty values in this document are expressed as Expanded Uncertainty (Ucrm) corresponding to the 95% confidence interval. Ucrm is derived from the combined standard uncertainty multiplied by the coverage factor k, which is obtained from a *t*-distribution and degrees of freedom. K=2 unless specified. The components of combined standard uncertainty include the uncertainties due to characterization, homogeneity, long term stability, and short term stability (transport). The components due to stability are generally considered to be negligible unless otherwise indicated by stability studies. The mathematical representation of the Ucrm calculation is as follows:

$$u_{CRM} = \sqrt{u_{char}^2 + u_{\mathrm{hom}\ ogeneity}^2 + u_{stability}^2}$$

***k*:** Coverage factor derived from a t-distribution table, based on the degrees of freedom of the data set. Assume 2.0 for a **Confidence interval = 95%**

6 Analytical Value- For QC verification of the certified value only- not to be used in calculations. Represents the analytical data obtained by comparison to a standard as analyzed by the method described in the CoA or another acceptable method. The result may differ from the certified value and UCRM based on method uncertainty as well as the uncertainty associated with the standard used for comparison.

Traceability: The standard was manufactured under an ISO/IEC 17025:2017 certified quality system. The balance used to weigh raw materials is accurate to +/- 0.0001g and calibrated regularly using mass standards traceable to NIST. All dilutions were preformed gravimetrically. Additionally, individual analytes are traceable to NIST SRMs where available and specified above.

Homogeneity: Homogeneity was assessed in accordance with ISO 17034:2016. Completed units were sampled using a random stratified sampling protocol. The results of chemical analysis were then compared using a one-way analysis of variance approach as described by TNI EL-V3-2009 Appendix A.2. See Instructions for minimum sub-sample size.

Expiration is at end of month given on certificate and label.

MSDS reports for components comprising greater than 1.0% of the solution or 0.1% for components known to be carcinogens are available upon request.

THIS PRODUCT WAS DESIGNED, PRODUCED AND VERIFIED FOR ACCURACY AND STABILITY IN ACCORDANCE WITH **ISO/IEC 17025:2017 (ANAB Cert AT-1467)** and **ISO 17034:2016 (ANAB Cert AR-1470).**

Andy Ommen **-** QC Manager

Mark Pooler **-** QA Supervisor

Certification Date	January 05, 2021
Version	0-152021

ANAB
ACCREDITED
ISO 17034
REFERENCE MATERIAL PRODUCER

phenomenex
...breaking with tradition

Certificate of Analysis

Phenova Certified Reference Materials are sold by Phenomenex.
411 Madrid Ave., Torrance, CA 90501 USA ▪ Tel: 310-212-0555 ▪ Fax: 310-328-7768 ▪ info@phenomenex.com
Access your MSDS and digital C of A at **www.phenomenex.com/mysupport. Re-order at www.phenomenex.com/standards**

Certified Reference Material

This product is included in Phenova's ISO/IEC 17025 and ISO Guide 34 Scopes of Accreditation

Catalog No.: AL0-101291
Description: GC/MS Tuning Mix
Storage: 4 °C
Provided As: 1 mL in 2 mL Ampoule in Methylene chloride

Lot Number: CL11000
Certification Date: May 9, 2014
Expiration Date: December 31, 2023
Revision Date: August 5, 2015

Andrea L Gill
Andrea Gill, Certified Reference Materials Manager

Component	CAS #	Certified Value µg/mL	Expanded Uncertainty (%)
Benzidine	92-87-5	1000	± 0.208%
Decafluorotriphenylphosphine (DFTPP)	5074-71-5	1000	± 0.057%
4,4'-DDT	50-29-3	1000	± 0.056%
Pentachlorophenol	87-86-5	1000	± 0.061%

K003891
GC/MS Tune solution-1000ug/ml
Solvent / Lot: CL11000
Prep: 4/22/2022 by VS
Exp: 12/31/2023
Location:

IL11110613_us

Reference Material Producer
Certificate No. 2427.02

phenova
Certified Reference Materials

Manufactured by Phenova, Inc.
Phenova's testing and calibration results are internationally recognized through the ILAC MRA. Phenova is an accredited ISO Guide 34 Reference Material Provider and ISO/IEC 17025 accredited Chemical Testing Laboratory.

Chemical Testing Laboratory
Certificate No. 2427.03

Reference Materials Producer
Cert #2495.01

Certificate of Analysis

Chemical Testing
Cert #2495.02

Catalog Number: ECS-A-030

Lot No. AA210126005

Description: Base/Neutrals Mix 1

Manufactured Date: 1-26-2021

Matrix: Methylene Chloride

Expiration Date: 1-26-2024

This **SPEXOrganics**® Certified Reference Material, CRM, is intended primarily for use as a calibration standard or quality control standard for organic chromatography instrumentation such as GC, GC-MS, LC, and LC-MS. It can be employed in USEPA, ASTM and other methods relevant to the certified properties listed below.

Certified Compounds:

Compound	CAS #	Labeled	Purity	Certified†	Uncertainty
1,2,4-Trichlorobenzene	120-82-1	2000 µg/mL	99%	2010 µg/mL	± 50 µg/mL
1,2-Dichlorobenzene	95-50-1	2000 µg/mL	99%	2002 µg/mL	± 50 µg/mL
1,3-Dichlorobenzene	541-73-1	2000 µg/mL	98%	2021 µg/mL	± 51 µg/mL
1,4-Dichlorobenzene	106-46-7	2000 µg/mL	99%	2012 µg/mL	± 50 µg/mL
2,4-Dinitrotoluene	121-14-2	2000 µg/mL	97%	2006 µg/mL	± 50 µg/mL
2,6-Dinitrotoluene	606-20-2	2000 µg/mL	99.6%	2012 µg/mL	± 50 µg/mL
2-Chloronaphthalene	91-58-7	2000 µg/mL	98%	2004 µg/mL	± 50 µg/mL
4-Bromodiphenyl ether	101-55-3	2000 µg/mL	99%	2022 µg/mL	± 51 µg/mL
4-Chlorophenyl-phenyl ether	7005-72-3	2000 µg/mL	98%	2001 µg/mL	± 50 µg/mL
Azobenzene	103-33-3	2000 µg/mL	98%	2001 µg/mL	± 50 µg/mL
Bis(2-chloro-1-methylethyl) ether	108-60-1	2000 µg/mL	98.9%	2010 µg/mL	± 50 µg/mL
bis(2-Chloroethoxy)methane	111-91-1	2000 µg/mL	97%	2001 µg/mL	± 50 µg/mL
bis(2-Chloroethyl)ether	111-44-4	2000 µg/mL	99%	2002 µg/mL	± 50 µg/mL
Bis(2-Ethylhexyl)phthalate	117-81-7	2000 µg/mL	99%	2003 µg/mL	± 50 µg/mL
Butylbenzyl phthalate	85-68-7	2000 µg/mL	98%	2000 µg/mL	± 50 µg/mL
Carbazole	86-74-8	2000 µg/mL	95%	2009 µg/mL	± 50 µg/mL
Di-n-butyl phthalate	84-74-2	2000 µg/mL	99%	2020 µg/mL	± 50 µg/mL
Di-n-octyl phthalate	117-84-0	2000 µg/mL	98%	2000 µg/mL	± 50 µg/mL
Diethyl phthalate	84-66-2	2000 µg/mL	99.5%	2002 µg/mL	± 50 µg/mL
Dimethyl phthalate	131-11-3	2000 µg/mL	99%	2006 µg/mL	± 50 µg/mL
Hexachlorobenzene	118-74-1	2000 µg/mL	99%	2003 µg/mL	± 50 µg/mL
Hexachlorobutadiene	87-68-3	2000 µg/mL	97%	2003 µg/mL	± 50 µg/mL
Hexachlorocyclopentadiene	77-47-4	2000 µg/mL	99%	2003 µg/mL	± 50 µg/mL
Hexachloroethane	67-72-1	2000 µg/mL	98%	2003 µg/mL	± 50 µg/mL
Isophorone	78-59-1	2000 µg/mL	97%	2003 µg/mL	± 50 µg/mL
N-Nitrosodi-n-propylamine	621-64-7	2000 µg/mL	98%	2000 µg/mL	± 50 µg/mL
N-Nitrosodiphenylamine	86-30-6	2000 µg/mL	97%	2001 µg/mL	± 50 µg/mL
Nitrobenzene	98-95-3	2000 µg/mL	99%	2001 µg/mL	± 50 µg/mL
Pyridine	110-86-1	2000 µg/mL	99%	2004 µg/mL	± 50 µg/mL
N-Nitrosodimethylamine	62-75-9	2000 µg/mL	97%	2000 µg/mL	± 50 µg/mL

Certificate of Reference Material

Catalog Number:	ECS-A-030	**Lot No.**	AA210126005
Description:	Base/Neutrals Mix 1	**Manufactured Date:**	1-26-2021
Matrix:	Methylene Chloride	**Expiration Date:**	1-26-2024

Final Solution Verification:

Final solution integrity verified by Gas Chromatography/Mass Spectrometry. The mass spectrum of each compound was confirmed against the NIST mass spectral database.

† Certified concentration based on gravimetric weights and corrected for the purity of the compound(s) used to prepare the standard. Analytical balance calibration is verified daily with C1 weight set #23-190006 which is registered with Atlantic Scale, and traceable to NIST and NJ Division of Weights and Measures.

This CRM is guaranteed stable and accurate to within the uncertainty listed for the certified value. This includes uncertainty components due to preparation, homogeneity, short term and long term stability. During the stated period of validity, the purchaser will be notified if this product is recalled due to any significant changes in the stability of the solution. For further information, contact the Sales Support Department at crmsales@spexcsp.com.

Date of Certification: 1-26-2021

Certifying Officer: Shannon Moore

Report of Certification

Catalog Number: ECS-A-030

Lot No. AA210126005

Description: Base/Neutrals Mix 1

Matrix: Methylene Chloride

Manufactured Date: 1-26-2021

Expiration Date: 1-26-2024

This Certified Reference Material (CRM) has been prepared and certified under an ISO 9001:2008, ISO 17025:2005, and ISO Guide 34:2009 Quality System consistent with the following standards:

- ISO 9001:2008: Quality management systems - Requirements - Certified by UL-DQS
- ISO 17025:2005: General Requirements for the Competence of Testing and Calibration Laboratories - Accredited by A2LA
- ISO Guide 34:2009: General Requirements for the Competence of Reference Material Producers - Accredited by A2LA
- ISO Guide 31:2000: Reference Materials - Contents of Certificates and Labels
- ISO Guide 35:2006: Reference Materials - General and statistical principals for certification
- Guide to the Expression of Uncertainty in Measurement 1997
- EURACHEM/CITAC Guide: Qualifying Uncertainty in Analytical Measurements - Second Edition
- ASTM Guide D6362-98
- NIST Technical Note 1297
- ILAC-G12-2000: Guidelines for the requirements for the competence of reference material producers
- ISO/REMCO N280

Storage Requirements:

To ensure the stability of the product once it arrives in your laboratory , please store this product in a refrigerator (2°C to 8°C). Note: Shipping conditions may differ from storage conditions. The EXPIRATION DATE is calculated from the MANUFACTURED DATE using our stability data and is applicable only if the product is unopened and stored under the prescribed conditions.

Instructions for Use:

Let material come to room temperature before use. Check for precipitate and if necessary sonicate for one minute. If compounds do not dissolve after one minute then sonicate further until the product is dissolved. A clear appearance is acceptable. The minimum recommended amount that should be removed from this vial is 5 µL with a 25µL gas tight syringe. All solutions should be thoroughly mixed, by shaking, prior to use. All surfaces that come in contact with the solution must be thoroughly cleaned prior to use. Dilutions should be performed only with Class A volumetric glassware.

Material Source:

All analytes and matrix materials are obtained and verified by SPEX CertiPrep from pre-qualified vendors as per ISO guidelines. Vendor identifications are proprietary, however sources of all materials used in the preparation and testing of SPEX CertiPrep CRMs are tracked and documented. For assistance, please contact sales support at crmsales@spexcsp.com.

Method of Preparation:

Clean laboratory procedures and techniques have been used throughout the preparation. All materials, equipment, and analytical instrumentation have been qualified prior to use. The highest purity solvents and Class A / calibrated volumetrics have been been used in all preparations.

Homogeneity:

The homogeneity of this CRM has been confirmed by procedures consistent with ISO 17025:2005, ISO Guide 34:2009, and ASTM D6362-98 Appendix X2. Random, replicate samples of the final, packaged material have been analyzed to prove homogeneity in accordance with our internal procedure 4300-HOMOGEN-1A. This is consistent with the intended use of this CRM. The Degree of Homogeneity, as expressed as maximum between-bottle variation, is 1.2%

Statistical Estimator and Confidence Limits:

The Certified value 'X' as listed on the reverse of this document is at the 95% level of confidence and can be expressed as:

- $X = x \pm U$ where X=certified value, U=expanded uncertainty, x=property value
- $U = ku_c$ where k=2 is the coverage factor at the 95% confidence level
- u_c = combined standard uncertainty obtained by combining the individual compound standard uncertainty components u_i, where $u_c=\sqrt{\sum u_i^2}$

Legal Notice:

SPEX CertiPrep Certified Reference Materials are not for any cosmetic, drug, or household application and are to be used only by qualified individuals who are trained in appropriate procedures. No claims against SPEX CertiPrep of any kind whatsoever, whether based on breech of warranty, alleged negligence, or otherwise, with respect to this Reference Material shall be greater than the purchase price. In no event shall SPEX CertiPrep be liable for any loss of profits or any incidental, special, or consequential damages.

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ISO
Certified to 9001

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ECS

Certificate of Analysis

ilac-MRA
ACCREDITED
Chemical Testing
Cert #2495.02

Catalog Number: ECS-A-030

Lot No. AA210126005

Description: Base/Neutrals Mix 1

Matrix: Methylene Chloride

Manufactured Date: 1-26-2021

Expiration Date: 1-26-2024

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bis(2-Chloroethoxy)methane	111-91-1	2000 µg/mL	97%	2001 µg/mL	± 50 µg/mL
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N-Nitrosodimethylamine	62-75-9	2000 µg/mL	97%	2000 µg/mL	± 50 µg/mL

K004542

Certificate of Reference Material

Catalog Number: ECS-A-030

Lot No. AA210126005

Description: Base/Neutrals Mix 1

Matrix: Methylene Chloride

Manufactured Date: 1-26-2021

Expiration Date: 1-26-2024

Final Solution Verification:

Final solution integrity verified by Gas Chromatography/Mass Spectrometry. The mass spectrum of each compound was confirmed against the NIST mass spectral database.

† Certified concentration based on gravimetric weights and corrected for the purity of the compound(s) used to prepare the standard. Analytical balance calibration is verified daily with C1 weight set #23-190006 which is registered with Atlantic Scale, and traceable to NIST and NJ Division of Weights and Measures.

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Date of Certification: 1-26-2021

Certifying Officer: Shannon Nore

Report of Certification

Catalog Number: ECS-A-030

Description: Base/Neutrals Mix 1

Matrix: Methylene Chloride

Lot No. AA210126005

Manufactured Date: 1-26-2021

Expiration Date: 1-26-2024

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- ISO Guide 35:2006: Reference Materials - General and statistical principals for certification
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- EURACHEM/CITAC Guide: Qualifying Uncertainty in Analytical Measurements - Second Edition
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To ensure the stability of the product once it arrives in your laboratory, please store this product in a refrigerator (2°C to 8°C). Note: Shipping conditions may differ from storage conditions. The EXPIRATION DATE is calculated from the MANUFACTURED DATE using our stability data and is applicable only if the product is unopened and stored under the prescribed conditions.

Instructions for Use:

Let material come to room temperature before use. Check for precipitate and if necessary sonicate for one minute. If compounds do not dissolve after one minute then sonicate further until the product is dissolved. A clear appearance is acceptable. The minimum recommended amount that should be removed from this vial is 5µL with a 25µL gas tight syringe. All solutions should be thoroughly mixed, by shaking, prior to use. All surfaces that come in contact with the solution must be thoroughly cleaned prior to use. Dilutions should be performed only with Class A volumetric glassware.

Material Source:

All analytes and matrix materials are obtained and verified by SPEX CertiPrep from pre-qualified vendors as per ISO guidelines. Vendor identifications are proprietary, however sources of all materials used in the preparation and testing of SPEX CertiPrep CRMs are tracked and documented. For assistance, please contact sales support at crmsales@spexcsp.com.

Method of Preparation:

Clean laboratory procedures and techniques have been used throughout the preparation. All materials, equipment, and analytical instrumentation have been qualified prior to use. The highest purity solvents and Class A / calibrated volumetrics have been been used in all preparations.

Homogeneity:

The homogeneity of this CRM has been confirmed by procedures consistent with ISO 17025:2005, ISO Guide 34:2009, and ASTM D6362-98 Appendix X2. Random, replicate samples of the final, packaged material have been analyzed to prove homogeneity in accordance with our internal procedure 4300-HOMOGEN-1A. This is consistent with the intended use of this CRM. The Degree of Homogeneity, as expressed as maximum between-bottle variation, is 1.2%

Statistical Estimator and Confidence Limits:

The Certified value 'X' as listed on the reverse of this document is at the 95% level of confidence and can be expressed as:

- $X = x \pm U$ where X=certified value, U=expanded uncertainty, x=property value
- $U = ku_c$ where k=2 is the coverage factor at the 95% confidence level
- u_c = combined standard uncertainty obtained by combining the individual compound standard uncertainty components u_i, where $u_c=\sqrt{\sum u_i^2}$

Legal Notice:

SPEX CertiPrep Certified Reference Materials are not for any cosmetic, drug, or household application and are to be used only by qualified individuals who are trained in appropriate procedures. No claims against SPEX CertiPrep of any kind whatsoever, whether based on breech of warranty, alleged negligence, or otherwise, with respect to this Reference Material shall be greater than the purchase price. In no event shall SPEX CertiPrep be liable for any loss of profits or any incidental, special, or consequential damages.

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Certificate of Analysis

Product Name:	Toxic Substances Standard		
Product Number:	US-104N-1	**Lot Issue Date:**	02-Jul-2021
Lot Number:	0006620643	**Expiration Date:**	31-Jul-2023

Description:
This analytical reference material (RM) was manufactured and verified in accordance with an ISO 9001 registered quality system and analyte concentrations were verified by an ISO 17025 accredited laboratory. The concentration and uncertainty value at the 95% confidence level for each analyte, determined gravimetrically, is listed below.

Analyte	CAS#	Analyte Lot	Concentration ± Uncertainty
aniline	000062-53-3	RM12853	2005 ± 10 µg/mL
benzyl alcohol	000100-51-6	RM10547	2004 ± 10 µg/mL
4-chloroaniline	000106-47-8	RM01886	2002 ± 10 µg/mL
dibenzofuran	000132-64-9	RM02077	2002 ± 10 µg/mL
2-methylnaphthalene	000091-57-6	RM01258	2006 ± 10 µg/mL
2-nitroaniline	000088-74-4	RM02402	2003 ± 10 µg/mL
3-nitroaniline	000099-09-2	RM02424	2003 ± 10 µg/mL
4-nitroaniline	000100-01-6	RM02425	2003 ± 10 µg/mL

Matrix: methylene chloride (dichloromethane)

Storage Conditions: Store at Room Temperature (15° to 30°C).

Traceability:
The balances used for these measurements are calibrated with weights traceable to NIST in compliance with ANSI/NCSL Z540.3, ISO 9001, ISO 17025, and ISO 17034. Calibrated Class A glassware is used for volumetric measurements. Thermometers are calibrated against a NIST traceable thermometer in accordance with NIST Special Publication 1088.

Homogeneity:
This RM was unitized according to an in-house procedure and is guaranteed to be homogeneous. There is no minimum sub-sample size required.

Intended Use:
This RM is intended for the preparation of working reference samples for use in routine laboratory analyses, calibration of instruments, validation of analytical methods, assessments of measurement methods, and continuing calibration verification.

K004544
toxic sub mix#2
Solvent / Lot: methylene chloride
Prep: 5/11/2022 by JZ
Exp: 7/31/2023
Location:

05/11/22

ANAB ACCREDITED ISO 17034 REFERENCE MATERIAL PRODUCER
ISO 17034 Cert
No. AR-1936

RM was produced in accordance with TUV USA Inc registered ISO 9001 Quality
Management System. Cert # 56 100 18560026

www.agilent.com/quality/
CSD-QA-015.1

ANAB ACCREDITED ISO/IEC 17025 TESTING LABORATORY
ISO 17025 Cert
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CERTIFIED REFERENCE MATERIAL

Certificate of Analysis

ACCREDITED
ISO 17034 Accredited
Reference Material Producer
Certificate #3222.01

ilac-MRA

ACCREDITED
ISO/IEC 17025 Accredited
Testing Laboratory
Certificate #3222.02

FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 31493
Lot No.: A0181243
Description : CLP 04.1 BNA Surrogate Mix

CLP 04.1 BNA Surrogate Mix 1000-1500 µg/mL, Methylene Chloride, 1mL/ampul

Container Size : 2 mL
Pkg Amt: > 1 mL
Expiration Date : October 31, 2025
Storage: 10°C or colder
Handling: Sonicate prior to use.
Ship: Ambient

05/11/22

K004545
CLP 04.1 BNA SURR MIX
Solvent / Lot: AO175316
Prep: 5/11/2022 by JZ
Exp: 10/20/2025
Location:

Elution Order	Compound		Gr (weig					
1	2-Fluorophenol **CAS #** 367-12-4 **Purity** 99%	(Lot STBJ2508)	1,50		+/-	53.3632	µg/mL	Stressed
2	Phenol-d6 **CAS #** 13127-88-3 **Purity** 99%	(Lot PR-31262)	1,506.0	µg/mL	+/- +/- +/-	8.9452 43.9882 53.3632	µg/mL µg/mL µg/mL	Gravimetric Unstressed Stressed
3	2-Chlorophenol-d4 **CAS #** 93951-73-6 **Purity** 99%	(Lot PR-30568)	1,510.0	µg/mL	+/- +/- +/-	8.9689 44.1050 53.5049	µg/mL µg/mL µg/mL	Gravimetric Unstressed Stressed
4	1,2-Dichlorobenzene-d4 **CAS #** 2199-69-1 **Purity** 99%	(Lot PR-32542/022621DB1	1,004.0	µg/mL	+/- +/- +/-	5.9635 29.3255 35.5754	µg/mL µg/mL µg/mL	Gravimetric Unstressed Stressed
5	Nitrobenzene-d5 **CAS #** 4165-60-0 **Purity** 99%	(Lot PR-29940A)	1,008.0	µg/mL	+/- +/- +/-	5.9872 29.4423 35.7172	µg/mL µg/mL µg/mL	Gravimetric Unstressed Stressed
6	2-Fluorobiphenyl **CAS #** 321-60-8 **Purity** 99%	(Lot 19169)	1,006.0	µg/mL	+/- +/- +/-	5.9753 29.3839 35.6463	µg/mL µg/mL µg/mL	Gravimetric Unstressed Stressed
7	2,4,6-Tribromophenol **CAS #** 118-79-6 **Purity** 99%	(Lot MKCJ7664)	1,506.0	µg/mL	+/- +/- +/-	8.9452 43.9882 53.3632	µg/mL µg/mL µg/mL	Gravimetric Unstressed Stressed

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Certified Reference Material

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Catalog No.: AL0-101246
Description: Benzoic Acid
Storage: 4 °C
Provided As: 1 mL in 2 mL Ampoule in Methylene Chloride

Lot Number: CL17953
Certification Date: January 31, 2022
Expiration Date: January 31, 2032

Andrea L Gill
Andrea Gill, Certified Reference Materials Manager

Component	CAS #	Certified Value µg/mL	Expanded Uncertainty
Benzoic acid	65-85-0	2000	± 2.714%

K004603
Benzoic Acid @2000ug/ml
Solvent / Lot: N/A
Prep: 5/13/2022 by JZ
Exp: 1/31/2032
Location: GC

5/13/22

ACCREDITED
Reference Material Producer
Certicate No. 2427.02

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Chemical Testing Laboratory
Certicate No. 2427.03

IL64691018_us

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Certified Reference Material

This product is certified in accordance with Phenova's ISO 17034 accreditation and supported by Phenova's ISO/IEC 17025 chemical testing accreditation

Catalog No.:	AL0-101244	**Lot Number:**	CL17662
Description:	Benzidines Standard	**Certification Date:**	December 2, 2021
Storage:	4 °C	**Expiration Date:**	November 30, 2031
Provided As:	1 mL in 2 mL Ampoule in Methylene Chloride		

Andrea L Gill
Andrea Gill, Certified Reference Materials Manager

Component	CAS #	Certified Value µg/mL	Expanded Uncertainty
Benzidine	92-87-5	2000	± 0.211%
3,3'-Dichlorobenzidine	91-94-1	2000	± 1.305%

K004604
Benzidines std @2000ug/ml
Solvent / Lot: Mecl2
Prep: 5/13/2022 by JZ
Exp: 11/30/2031
Location: GC

5/13/22

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Reference Material Producer
Certicate No. 2427.02

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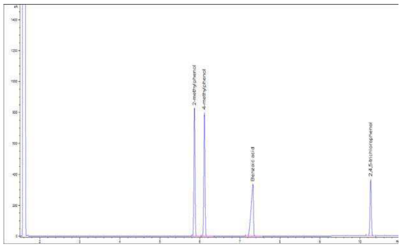
Chemical Testing Laboratory
Certicate No. 2427.03

IL64691018_us

Certificate of Analysis - Certified Reference Material

EPA TCL Hazardous Substances Mix 1

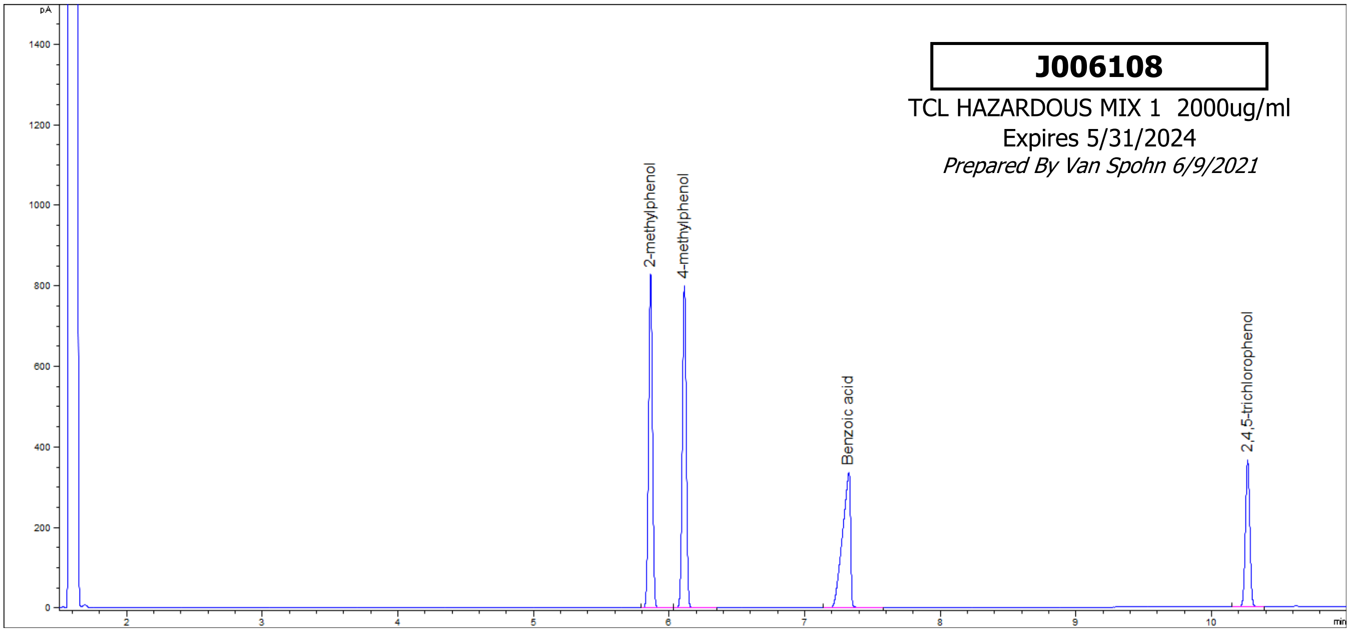
Product no.:	48907
Lot no.:	LRAC9610
Expiry Date:	May 2024
Manufacturing Date:	May 2021
Storage:	Refrigerate
Solvent/Matrix:	DICHLOROMETHANE
Certificate version:	LRAC9610.01 (*Note: Certificates may be updated due to the availability of new data. Check our website at: www.sigma-aldrich.com for the most current version.)*



Certified Values:

Analyte	*Certified Value*	*Units*	*Raw Material Purity,%*	*Elution order*	*Raw Material Lot*
2-METHYLPHENOL CAS# 95-48-7	2004 ± 9	µg/mL	99.0	1	G1735A
4-METHYLPHENOL CAS# 106-44-5	2004 ± 13	µg/mL	98.9	2	06921MG
BENZOIC ACID CAS# 65-85-0	2012 ± 6	µg/mL	99.9	3	LC16514
2,4,5-TRICHLOROPHENOL CAS# 95-95-4	2003 ± 6	µg/mL	99.9	4	JS00008

Informational Values:



J006108
TCL HAZARDOUS MIX 1 2000ug/ml
Expires 5/31/2024
Prepared By Van Spohn 6/9/2021

Additional Information: Analytical Method Parameters:
Column: Equity-5, 30 m × 0.53 mm I.D., 1.5 µm film thickness (Column #98)
Carrier Gas: H2, Flow: 4.5 mL/min
Inlet Temperature: 170 °C, Injection Volume: 1 µL
Injection Mode: Split, Split Ratio: 20:1

Temperature Program: 80 °C @ 10 °C/min to 190 °C (Hold 5 min)
Detector: FID
Detector Temperature: 310 °C

Metrological traceability: Traceable to the SI and higher order standards from NIST through an unbroken chain of comparisons. The balance used to weigh raw materials is accurate to +/-0.0001 g and calibrated regularly using mass standards traceable to NIST. All dilutions were performed gravimetrically. Additionally, individual analytes are traceable to NIST SRMs where available and specified above.

Measurement method: Where applicable, the assigned value is based on a purity determination by mass balance and gravimetrically prepared value.

Intended use: Intended for R&D and Analytical Use only. Not for drug, household or other uses.

Packaging: 1 mL in amber ampule

Instructions for handling and correct use: Use on the as is basis. The internal pressure of the container may be slightly different from the atmospheric pressure at the user`s location. Open slowly and carefully to avoid dispersion of the material.

Health and safety information: All chemical reference materials should be considered potentially hazardous and should be used only by qualified laboratory personnel. Please refer to the Safety Data Sheet for detailed information about the nature of any hazard and appropriate precautions to be taken.

Accreditation: Sigma-Aldrich RTC is accredited by the US accreditation authority ANAB as a registered reference material producer AR-1470 in accordance with ISO 17034.

Certificate issue date: 20-May-2021

Andy Ommen - QC Manager

Mark Pooler - QA Supervisor

Details on metrological traceability: This standard has been gravimetrically prepared using balances that have been fully qualified and calibrated to ISO 17025 requirements. All calibrations utilize NIST traceable weights which are calibrated externally by a qualified ISO 17025 accredited calibration laboratory to NIST standards. Qualification of each balance includes the assignment of a minimum weighing by a qualified and ISO 17025 accredited calibration vendor taking into consideration the balance and installed environmental conditions to ensure compliance with USP tolerances of NMT 0.10% relative error. Fill volume to predetermined specifications is gravimetrically verified throughout the dispensing process using qualified and calibrated balances. Further traceability to a corresponding Primary Standard may be achieved through a direct comparison assay. Where a Primary Standard is available, the assay value will be included in the specified section of the COA.

Associated uncertainty: Ucrm - Uncertainty values in this document are expressed as Expanded Uncertainty (Ucrm) corresponding to the 95% confidence interval. Ucrm is derived from the combined standard uncertainty multiplied by the coverage factor k, which is obtained from a *t*-distribution and degrees of freedom. The components of combined standard uncertainty include the uncertainties due to characterization, homogeneity, long term stability, and short term stability (transport). The components due to stability are generally considered to be negligible unless otherwise indicated by stability studies. The mathematical representation of the Ucrm calculation is as follows:

$$u_{CRM} = \sqrt{u_{char}^2 + u_{homogeneity}^2 + u_{stability}^2}$$

Homogeneity assessment: Homogeneity was assessed in accordance with ISO Guide 35. Completed units were sampled using a random stratified sampling protocol. The results of chemical analysis were then compared by Single Factor Analysis of Variance (ANOVA). The uncertainty due to homogeneity was derived from the ANOVA. Heterogeneity was not detected under the conditions of the ANOVA.

Stability assessment: Significance of the stability assessment will be demonstrated if the analytical result of the study and the range of values represented by the Expanded Uncertainty do not overlap the result of the original assay and the range of its values represented by the Expanded Uncertainty. The method employed will usually be the same method used to characterize the assay value in the initial

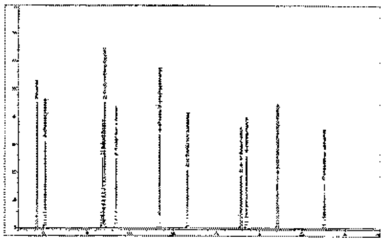
Certificate of analysis revision history:

Certificate version	Date	Reason for version
LRAC9610.01 .	20-May-2021	Original Release Date

Certificate of Analysis - Certified Reference Material

EPA TCL Phenols Mix

Product no.:	48904
Lot no.:	LRAD0139
Expiry Date:	July 2024
Manufacturing Date:	July 2021
Storage:	REFRIGERATE
Solvent/Matrix:	DICHLOROMETHANE
Certificate version:	LRAD0139.01 (*Note: Certificates may be updated due to the availability of new data. Check our website at:* www.sigma-aldrich.com *for the most current version.)*

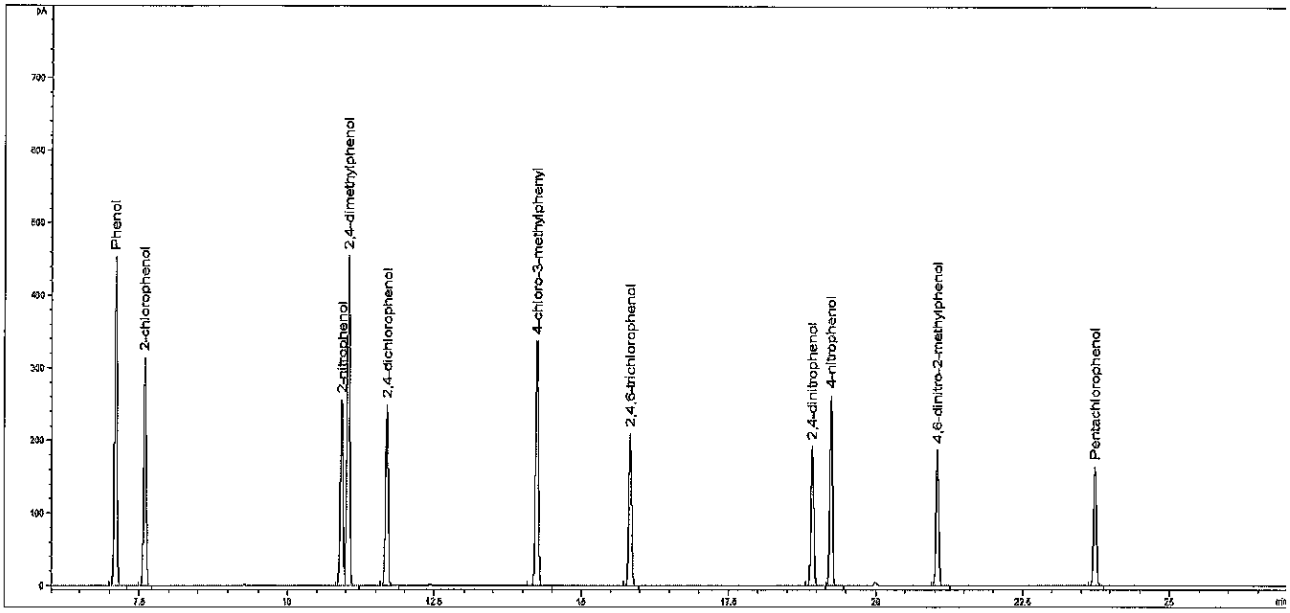


Certified Values:

Analyte	*Certified Value*	*Units*	*Raw Material Purity,%*	*Raw Material Lot*
2-CHLOROPHENOL CAS# 95-57-8	2001 ± 25	µg/mL	99.9	STBG3033V
2-NITROPHENOL CAS# 88-75-5	1999 ± 18	µg/mL	99.3	15905BB
2,4-DIMETHYLPHENOL CAS# 105-67-9	2000 ± 14	µg/mL	99.2	05421CO
2,4-DICHLOROPHENOL CAS# 120-83-2	2000 ± 17	µg/mL	99.5	03221TN
4-CHLORO-3-METHYLPHENOL CAS# 59-50-7	2000 ± 5	µg/mL	99.9	JS00013
2,4,6-TRICHLOROPHENOL CAS# 88-06-2	2002 ± 5	µg/mL	99.5	04212PS
2,4-DINITROPHENOL CAS# 51-28-5	2000 ± 28	µg/mL	66.9	STBJ5751
4-NITROPHENOL CAS# 100-02-7	2000 ± 33	µg/mL	99.0	04628LT
2-METHYL-4,6-DINITROPHENOL CAS# 534-52-1	2000 ± 27	µg/mL	99.7	LC18338
PENTACHLOROPHENOL CAS# 87-86-5	1999 ± 25	µg/mL	97.9	MKCD2150

ASSAY Method

J013597
TCL Phenols Mix 2000ug/ml
Solvent / Lot: LRAD0139
Prep: 12/30/2021 by VS
Exp: 7/31/2024
Location:



METHOD: GC (Bellefonte Method)

Column: SPB-5, 30 m × 0.53 mm I.D., 1.5 µm film thickness
Carrier Gas: H_2 Flow Rate: 4.5 mL/min
Inlet Temperature: 200 °C Injection Volume: 1.0 µL
Injection Mode: 25:1
Temperature Program: 80 °C (Hold 2 min) @ 6 °C/min to 260 °C (Hold 5 min)
Detector: FID Temperature: 310 °C

Elution details:

EO	RT(MIN)	ANALYTE
1	7.095	Phenol
2	7.585	2-chlorophenol
3	10.925	2-nitrophenol
4	11.037	2,4-dimethylphenol
5	11.696	2,4-dichlorphenol
6	14.242	4-chloro-3-m3thylphenol
7	15.842	2,4,6-trichlorophenol
8	18.93	2,4-dinitrophenol
9	19.25	4-nitrophenol
10	21.05	4,6-dinitro-2-methylphenol
11	23.752	Pentachlorophenol

Metrological traceability: Traceable to the SI and higher order standards from NIST through an unbroken chain of comparisons. The balance used to weigh raw materials is accurate to +/-0.0001 g and calibrated regularly using mass standards traceable to NIST. All dilutions were performed gravimetrically. Additionally, individual analytes are traceable to NIST SRMs where available and specified above.

Measurement method: Where applicable, the assigned value is based on a purity determination by mass balance and gravimetrically prepared value.

Intended use: Intended for R&D and Analytical Use only. Not for drug, household or other uses.

Packaging: 1 mL in amber ampule

Instructions for handling and correct use: Use on the as is basis. The internal pressure of the container may be slightly different from the atmospheric pressure at the user`s location. Open slowly and carefully to avoid dispersion of the material.

Health and safety information: All chemical reference materials should be considered potentially hazardous and should be used only by qualified laboratory personnel. Please refer to the Safety Data Sheet for detailed information about the nature of any hazard and appropriate precautions to be taken.

Accreditation: Sigma-Aldrich RTC is accredited by the US accreditation authority ANAB as a registered reference material producer AR-1470 in accordance with ISO 17034.

Certificate issue date: 12-Jul-2021

ANAB ACCREDITED
REFERENCE MATERIAL PRODUCER

Andy Ommen - QC Manager

Mark Pooler - QA Supervisor

Details on metrological traceability: This standard has been gravimetrically prepared using balances that have been fully qualified and calibrated to ISO 17025 requirements. All calibrations utilize NIST traceable weights which are calibrated externally by a qualified ISO 17025 accredited calibration laboratory to NIST standards. Qualification of each balance includes the assignment of a minimum weighing by a qualified and ISO 17025 accredited calibration vendor taking into consideration the balance and installed environmental conditions to ensure compliance with USP tolerances of NMT 0.10% relative error. Fill volume to predetermined specifications is gravimetrically verified throughout the dispensing process using qualified and calibrated balances. Further traceability to a corresponding Primary Standard may be achieved through a direct comparison assay. Where a Primary Standard is available, the assay value will be included in the specified section of the COA.

Associated uncertainty: Ucrm - Uncertainty values in this document are expressed as Expanded Uncertainty (Ucrm) corresponding to the 95% confidence interval. Ucrm is derived from the combined standard uncertainty multiplied by the coverage factor k, which is obtained from a *t*-distribution and degrees of freedom. The components of combined standard uncertainty include the uncertainties due to characterization, homogeneity, long term stability, and short term stability (transport). The components due to stability are generally considered to be negligible unless otherwise indicated by stability studies. The mathematical representation of the Ucrm calculation is as follows:

$$u_{CRM} = \sqrt{u_{char}^2 + u_{homogeneity}^2 + u_{stability}^2}$$

Homogeneity assessment: Homogeneity was assessed in accordance with ISO Guide 35. Completed units were sampled using a random stratified sampling protocol. The results of chemical analysis were then compared by Single Factor Analysis of Variance (ANOVA). The uncertainty due to homogeneity was derived from the ANOVA. Heterogeneity was not detected under the conditions of the ANOVA.

Stability assessment: Significance of the stability assessment will be demonstrated if the analytical result of the study and the range of values represented by the Expanded Uncertainty do not overlap the result of the original assay and the range of its values represented by the Expanded Uncertainty. The method employed will usually be the same method used to characterize the assay value in the initial

Certificate of analysis revision history:

Certificate version	Date	Reason for version
LRAD0139.01	12-Jul-2021	Original Release Date

Disclaimer: The purchaser is required to determine the suitability of this product for any particular application. Sigma-Aldrich RTC makes no warranty of any kind, express or implied, other than its products meet all quality control standards set by Sigma-Aldrich RTC. We do not guarantee that the product can be used for any particular application.

The life science business of Merck KGaA, Darmstadt, Germany operates as MilliporeSigma in the US and Canada.

Certificate of Analysis

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Certified Reference Material

This product is certified in accordance with Phenova's ISO 17034 accreditation and supported by Phenova's ISO/IEC 17025 chemical testing accreditation

Catalog No.: AL0-101444
Description: 8270 Calibration Standard
Storage: -18 °C
Provided As: 1 mL in 2 mL Ampoule in MeCl2/Methanol (97:3)

Lot Number: CL18355
Certification Date: July 25, 2022
Expiration Date: August 31, 2023

K007995
SVOA-8270 LCS MIX 1000ug/ml
Solvent / Lot: N/A
Prep: 8/29/2022 by JZ
Exp: 8/31/2023
Location: FREEZER 44

Aaron Dukes, Certified Reference Materials Manager

Component	CAS #	Certified Value µg/mL	Expanded Uncertainty
Acenaphthene	83-32-9	1000	± 0.300%
Acenaphthylene	208-96-8	1000	± 0.225%
Anthracene	120-12-7	1000	± 6.858%
Azobenzene	103-33-3	1000	± 0.224%
Benzo(a)anthracene	56-55-3	1000	± 0.247%
Benzo(a)pyrene	50-32-8	1000	± 0.270%
Benzo(b)fluoranthene	205-99-2	1000	± 0.635%
Benzo(k)fluoranthene	207-08-9	1000	± 0.682%
Benzo(g,h,i)perylene	191-24-2	1000	± 0.272%
Benzyl alcohol	100-51-6	1000	± 0.231%
Benzyl butyl phthalate	85-68-7	1000	± 0.480%
bis(2-Chloroethoxy)methane	111-91-1	1000	± 0.479%
bis(2-Chloroethyl) ether	111-44-4	1000	± 0.479%
bis(2-Chloroisopropyl) ether	108-60-1	1000	± 0.550%
bis(2-Ethylhexyl) adipate	103-23-1	1000	± 0.479%
bis(2-Ethylhexyl) phthalate	117-81-7	1000	± 0.479%
4-Bromophenyl phenyl ether	101-55-3	1000	± 0.479%
Carbazole	86-74-8	1000	± 0.146%

ACCREDITED
Reference Material Producer
Certicate No. 2427.02

Phenova is an accredited ISO/IEC 17034 Reference Material Producer and ISO/IEC 17025 accredited Chemical Testing Laboratory.

ACCREDITED
Chemical Testing Laboratory
Certicate No. 2427.03

Certified Reference Material

This product is certified in accordance with Phenova's ISO 17034 accreditation and supported by Phenova's ISO/IEC 17025 chemical testing accreditation

Catalog No.: AL0-101444

Description: 8270 Calibration Standard

Storage: -18 °C

Provided As: 1 mL in 2 mL Ampoule in MeCl2/Methanol (97:3)

Lot Number: CL18355

Certification Date: July 25, 2022

Expiration Date: August 31, 2023

Component	CAS #	Certified Value µg/mL	Expanded Uncertainty
4-Chloroaniline	106-47-8	1000	± 0.300%
4-Chloro-3-methylphenol	59-50-7	1000	± 0.545%
2-Chloronaphthalene	91-58-7	1000	± 0.224%
2-Chlorophenol	95-57-8	1000	± 0.507%
4-Chlorophenyl phenyl ether	7005-72-3	1000	± 0.479%
Chrysene	218-01-9	1000	± 0.145%
Dibenz(a,h)anthracene	53-70-3	1000	± 1.058%
Dibenzofuran	132-64-9	1000	± 0.302%
Di-n-butyl phthalate	84-74-2	1000	± 0.518%
1,2-Dichlorobenzene	95-50-1	1000	± 0.247%
1,3-Dichlorobenzene	541-73-1	1000	± 0.225%
1,4-Dichlorobenzene	106-46-7	1000	± 0.224%
2,4-Dichlorophenol	120-83-2	1000	± 0.545%
Diethyl phthalate	84-66-2	1000	± 0.518%
2,4-Dimethylphenol	105-67-9	1000	± 0.507%
Dimethyl phthalate	131-11-3	1000	± 0.518%
1,2-Dinitrobenzene	528-29-0	1000	± 0.361%
1,3-Dinitrobenzene	99-65-0	1000	± 0.300%
1,4-Dinitrobenzene	100-25-4	1000	± 0.242%
2,4-Dinitrophenol	51-28-5	1000	± 0.545%
2,4-Dinitrotoluene	121-14-2	1000	± 1.128%

Certificate of Analysis

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Certified Reference Material

This product is certified in accordance with Phenova's ISO 17034 accreditation and supported by Phenova's ISO/IEC 17025 chemical testing accreditation

Catalog No.: AL0-101444

Lot Number: CL18355

Description: 8270 Calibration Standard

Certification Date: July 25, 2022

Storage: -18 °C

Expiration Date: August 31, 2023

Provided As: 1 mL in 2 mL Ampoule in MeCl2/Methanol (97:3)

Component	CAS #	Certified Value µg/mL	Expanded Uncertainty
2,6-Dinitrotoluene	606-20-2	1000	± 0.224%
Di-n-octyl phthalate	117-84-0	1000	± 0.486%
Fluoranthene	206-44-0	1000	± 0.224%
Fluorene	86-73-7	1000	± 0.224%
Hexachlorobenzene	118-74-1	1000	± 0.152%
Hexachlorobutadiene	87-68-3	1000	± 0.746%
Hexachlorocyclopentadiene	77-47-4	1000	± 0.153%
Hexachloroethane	67-72-1	1000	± 0.300%
Indeno(1,2,3-cd)pyrene	193-39-5	1000	± 0.883%
Isophorone	78-59-1	1000	± 0.145%
2-Methyl-4,6-dinitrophenol	534-52-1	1000	± 0.508%
1-Methylnaphthalene	90-12-0	1000	± 0.479%
2-Methylnaphthalene	91-57-6	1000	± 0.487%
2-Methylphenol	95-48-7	1000	± 0.545%
3-Methylphenol	108-39-4	500	± 0.279%
4-Methylphenol	106-44-5	500	± 0.399%
Naphthalene	91-20-3	1000	± 0.226%
2-Nitroaniline	88-74-4	1000	± 0.224%
3-Nitroaniline	99-09-2	1000	± 0.235%
4-Nitroaniline	100-01-6	1000	± 0.300%
Nitrobenzene	98-95-3	1000	± 0.300%

Certified Reference Material

This product is certified in accordance with Phenova's ISO 17034 accreditation and supported by Phenova's ISO/IEC 17025 chemical testing accreditation

Catalog No.:	AL0-101444	**Lot Number:**	CL18355
Description:	8270 Calibration Standard	**Certification Date:**	July 25, 2022
Storage:	-18 °C	**Expiration Date:**	August 31, 2023
Provided As:	1 mL in 2 mL Ampoule in MeCl2/Methanol (97:3)		

Component	**CAS #**	**Certified Value µg/mL**	**Expanded Uncertainty**
2-Nitrophenol	88-75-5	1000	± 0.514%
4-Nitrophenol	100-02-7	1000	± 0.519%
N-Nitrosodimethylamine	62-75-9	1000	± 0.503%
N-Nitrosodiphenylamine	86-30-6	1000	± 0.476%
N-Nitrosodi-n-propylamine	621-64-7	1000	± 0.461%
Pentachlorophenol	87-86-5	1000	± 0.202%
Phenanthrene	85-01-8	1000	± 0.145%
Phenol	108-95-2	1000	± 0.545%
Pyrene	129-00-0	1000	± 0.147%
Pyridine	110-86-1	1000	± 0.503%
2,3,4,6-Tetrachlorophenol	58-90-2	1000	± 0.247%
2,3,5,6-Tetrachlorophenol	935-95-5	1000	± 0.247%
1,2,4-Trichlorobenzene	120-82-1	1000	± 0.224%
2,4,5-Trichlorophenol	95-95-4	1000	± 0.507%
2,4,6-Trichlorophenol	88-06-2	1000	± 0.509%

Notes: The proper chemical name for Bis(2-Chloroiospropyl) ether is 2,2'-oxybis(1-chloropropane). The analytical uncertainty contribution to the expanded uncertainty for 3 and 4-Methylphenol is measured as the total of the two analytes. N-Nitrosodiphenylamine presents as Diphenylamine at 854 µg/mL.

1. Quality Document: This Certificate of Analysis has been created in accordance with ISO Guide 31[1] and ISO Guide 35.[2]

2. Quality Standards: Phenova is accredited by A2LA to ISO 17034[3] and ISO/IEC 17025[4] as a producer of Certified Reference Materials and Reference Materials. This ensures that our manufacturing processes have been accredited to and meet strict international standards.

3. Intended Use: The product is manufactured for use in calibration, calibration verification, quantification, identification and other appropriate analytical control applications. The product is intended for routine laboratory analysis and research purposes only. Only trained personnel should handle this product.

4. Handling and Usage Notes: Store according to recommended conditions listed and avoid prolonged exposure to light. Visually inspect the solution inside the ampoule for any un-dissolved material. If particulate is visible, sonicate the unopened ampoule until material is fully dissolved. Dilute as required, use only class A glassware and diluents compatible with all analytes in the mixture. Considerations should be made related to repeated use of the opened product. Once opened, exposure to light, air, heat, objects, and additional transfer vessels may cause evaporation, degradation or contamination resulting in changes in concentration, uncertainty and stability duration. Store opened standards in a clean, tightly capped vessel under the recommended temperature. Appropriate controls, such as the use of additional verification standards should be used to confirm the opened product is fit for purpose under repeated use conditions.

5. Hazardous Situation: The product is intended for use by experienced professional personnel. A Safety Data Sheet (SDS) is available at www.phenova.com/documents.

6. Level of Homogeneity: The product has been certified to guarantee the certified values and their uncertainties at a volume of 2 µL.

7. Certified Value: Certified Value is based upon gravimetric and volumetric preparation using calibrated balances and Class A glassware.

8. Raw Materials and Purity: Phenova reference standard products are prepared from the highest quality starting materials. The purity of this material was verified using an ISO/IEC 17025 methodology.

9. Expanded Uncertainty: The expanded uncertainty (uCRM) as stated is determined in accordance with ISO/IEC Guide 98[5] and ISO Guide 35 incorporating Type A standard uncertainty at a 95% confidence level. The uncertainty contains elements of manufacturing (uM), homogeneity analysis (uH) and long-term stability testing (uLTS). The uncertainty is calculated based on the root-sum-of-squares equation times a coverage factor (k=2).

   $$uCRM = k\sqrt{uM^2 + uH^2 + uLTS^2}$$

   Transport conditions (short-term stability) have been tested such that there is no contribution to the uncertainty reported. The expanded uncertainty applies to the product as received.

10. Metrological Traceability: The property value (certified value and its uncertainty) are traceable through an unbroken chain of calibration to the SI base unit kg through a NIST traceable weight in accordance with ISO 17034. This is achieved through calibration of balances, verification of weights, use of national methodology for glassware calibration and product homogeneity and stability testing utilizing an ISO/IEC 17025 methodology.

11. Values Obtained During Product Testing: This product is subjected to verification, homogeneity and stability testing using an ISO/IEC 17025 chromatographic methodology. All values obtained during testing meet criteria in accordance with ISO 17034.

12. Period of Validity: The Certified Values, Uncertainties and Expiration Date are based on the unopened product being stored according to the recommended storage condition listed and are guaranteed until the expiration date. This product will be monitored during the period of validity and customers notified of any significant changes in stability.

References:

[1] ISO Guide 31 – Reference Materials – Contents of Certificates and Labels.
[2] ISO Guide 35 – Reference Material – General and Statistical Principles for Certification.
[3] ISO 17034 – General Requirements for the Competence of Reference Material Producers.
[4] ISO/IEC 17025 – General Requirements for the Competence of Testing and Calibration Laboratories.
[5] ISO/IEC Guide 98-3:2008(E) – Uncertainty of Measurement – Part 3: Guide to Expression of Uncertainty in Measurement (GUM: 1995)

LDW22-IT793A

Dual Column

ORGANIC ANALYSIS DATA SHEET
EPA 8082A

Laboratory: Analytical Resources, LLC
SDG: 22L0307
Client: Anchor QEA, LLC
Project: AOC4 UR Phase 3

Matrix:	Solid	Laboratory ID:	22L0307-01 B	File ID:	01052389ECD7.D
Sampled:	12/12/22 08:26	Prepared:	12/27/22 14:11	Analyzed:	01/06/23 19:18
% Solids:	72.67	Preparation:	EPA 3546 (Microwave)	Initial/Final:	17.21 g Wet / 2.5 mL
Batch:	BKL0581	Sequence:	SLA0096	Calibration:	FL00010
Instrument:	ECD7	Column 1:	ZB5	Column 2:	ZB35

CAS NO.	COMPOUND	Col #	DILUTION	CONC. (ug/kg dry)	MDL	MRL	Q
12674-11-2	Aroclor 1016	1	5	20.0	7.8	20.0	U
11104-28-2	Aroclor 1221	1	5	20.0	7.8	20.0	U
11141-16-5	Aroclor 1232	1	5	20.0	7.8	20.0	U
53469-21-9	Aroclor 1242	1	5	20.0	7.8	20.0	U
12672-29-6	Aroclor 1248	1	5	20.0	7.8	20.0	U
11097-69-1	Aroclor 1254	1	5	256	7.8	20.0	D
11096-82-5	Aroclor 1260	2	5	56.2	2.9	20.0	D

SURROGATES	Col #	ADDED (ug/kg dry)	CONC (ug/kg dry)	% REC	QC LIMITS	Q
Decachlorobiphenyl	*1*	*7.9958*	*7.46*	*93.3*	*40 - 126*	
Tetrachlorometaxylene	*1*	*7.9958*	*6.38*	*79.8*	*44 - 120*	
Decachlorobiphenyl	*2*	*7.9958*	*6.64*	*83.1*	*40 - 126*	
Tetrachlorometaxylene	*2*	*7.9958*	*6.21*	*77.6*	*44 - 120*	

```
                            Analytical Resources Inc.
                       Dual Column 608/8082 PCB Quantitation Report

Data file 1: /230105.b/01052389ECD7.D                    ARI ID: 22L0307-01RE1
Data file 2: /230105.b/230105.b/01052389ECD7.D           Client ID:
Method: \\target\share\chem4\ecd7.i\230105.b\PCB.m       Injection Date: 06-JAN-2023 19:18
Compound Sublist: PCB.sub                                Report Date: 01/10/2023 11:53
Instrument, Inj. Vol.: ecd7.i, 2ul                       Matrix: NONE
Quant Method: Internal Std                               Dilution Factor:  5.0



                                   SURROGATES

       ZB5 Col         |       ZB35 Col         |   ZB5    ZB35
  RT    Shift Response | RT    Shift  Response  |  on col  on col    RPD   Compound/Flag
==========================================================================================

 5.831 -0.002    41328 | 5.707  -0.003    26885|    6.4     6.2      2.8    Tetrachloro-m-xylene
13.897 -0.007    42061 |14.124  -0.003    39196|    7.5     6.6     11.6    Decachlorobiphenyl


*  Indicates RPD > 40%




                              INTERNAL STANDARD SUMMARY

                                          Column 1
                                   Standard    Sample
                  Standard Cpnd      Area*       Area      %D
               --------------------------------------------------
                 Bromo-Nitrobenzene    447645      456621    2.0
                 Hexabromobiphenyl     798898      614702  -23.1

                                          Column 2
                                   Standard    Sample
                  Standard Cpnd      Area*       Area      %D
               --------------------------------------------------
                 Bromo-Nitrobenzene    249094     315848    26.8
                 Hexabromobiphenyl     362541     415371    14.6


                * Standard Areas taken from Initial Cal Level 3
                  Initial Calibration Date: 03-DEC-2022
               <- Indicates standard response outside Limits (-50 to +100%)
```

```
                          ZB5 Col                               ZB35 Col
 Aroclor   Peak#    RT    Shift    Area    Amount    Peak#   RT     Shift    Area   Amount
 =======================================================================================
 Aroclor-1016 1      ---                     0.0      1     ---                    0.0
 Aroclor-1016 2      ---                     0.0      2     ---                    0.0
 Aroclor-1016 3      ---                     0.0      3     ---                    0.0
 Aroclor-1016 4      ---                     0.0      4     ---                    0.0
             Col1Ave: <3 Quant Peaks                  Col2Ave: <3 Quant Peaks

 Aroclor-1221 1      ---                     0.0      1     ---                    0.0
 Aroclor-1221 2      ---                     0.0      2     ---                    0.0
 Aroclor-1221 3      ---                     0.0      3     ---                    0.0
             Col1Ave: <3 Quant Peaks                  Col2Ave: <3 Quant Peaks

 Aroclor-1232 1      ---                     0.0      1     ---                    0.0
 Aroclor-1232 2      ---                     0.0      2     ---                    0.0
 Aroclor-1232 3      ---                     0.0      3     ---                    0.0
 Aroclor-1232 4      ---                     0.0      4     ---                    0.0
             Col1Ave: <3 Quant Peaks                  Col2Ave: <3 Quant Peaks

 Aroclor-1242 1      ---                     0.0      1     ---                    0.0
 Aroclor-1242 2      ---                     0.0      2     ---                    0.0
 Aroclor-1242 3      ---                     0.0      3     ---                    0.0
 Aroclor-1242 4      ---                     0.0      4     ---                    0.0
             Col1Ave: <3 Quant Peaks                  Col2Ave: <3 Quant Peaks

 Aroclor-1248 1      ---                     0.0      1     ---                    0.0
 Aroclor-1248 2      ---                     0.0      2     ---                    0.0
 Aroclor-1248 3      ---                     0.0      3     ---                    0.0
 Aroclor-1248 4      ---                     0.0      4     ---                    0.0
             Col1Ave: <3 Quant Peaks                  Col2Ave: <3 Quant Peaks

 Aroclor-1254 1   9.308  -0.005     94414   234.8      1    9.456  -0.005    49261   241.9
 Aroclor-1254 2   9.384  -0.008     49643   317.5      2    9.974  -0.004    28676   175.1
 Aroclor-1254 3   9.673  -0.011     45192   178.0      3   10.123  -0.007    81332   231.1
 Aroclor-1254 4   9.810  -0.009    128966   260.6      4   10.369  -0.009   101869   279.5
 Aroclor-1254 5  10.161  -0.014     98225   289.5      5   10.572  -0.004    40455   230.1
       Total Col1Ave (5 peaks):   256.1       Total Col2Ave (5 peaks):   231.6   RPD = 10
       Corrected Ave (4 peaks):   240.7       Corrected Ave (4 peaks):   219.6   RPD = 9

 Aroclor-1260 1  11.048  -0.008     10552    47.2      1   11.660  -0.003    25284   115.3
 Aroclor-1260 2  11.366  -0.006      9691    41.9      2   11.920  -0.007    19219    34.9
 Aroclor-1260 3  11.737  -0.009     23464    38.6      3   12.438  -0.005     5749    39.2
 Aroclor-1260 4  12.137  -0.013     15574    50.3      4   12.503  -0.005    12926    35.2
 Aroclor-1260 5  12.249  -0.007      3742    29.5      NS    ---                      ----
       Total Col1Ave (5 peaks):    41.5       Total Col2Ave (4 peaks):    56.2   RPD = 30
       Corrected Ave (4 peaks):    39.3       Corrected Ave (3 peaks):    36.5   RPD = 7

 Aroclor-1262 1      ---                     0.0      1     ---                    0.0
 Aroclor-1262 2      ---                     0.0      2     ---                    0.0
 Aroclor-1262 3      ---                     0.0      3     ---                    0.0
 Aroclor-1262 4      ---                     0.0      4     ---                    0.0
             Col1Ave: <3 Quant Peaks                  Col2Ave: <3 Quant Peaks

 Aroclor-1268 1      ---                     0.0      1     ---                    0.0
 Aroclor-1268 2      ---                     0.0      2     ---                    0.0
 Aroclor-1268 3      ---                     0.0      3     ---                    0.0
 Aroclor-1268 4      ---                     0.0      4     ---                    0.0
             Col1Ave: <3 Quant Peaks                  Col2Ave: <3 Quant Peaks
```

Total PCB Area Col1 (5.933 - 13.804) = 1299310 Col1 Total PCB = 0.3 ppm*

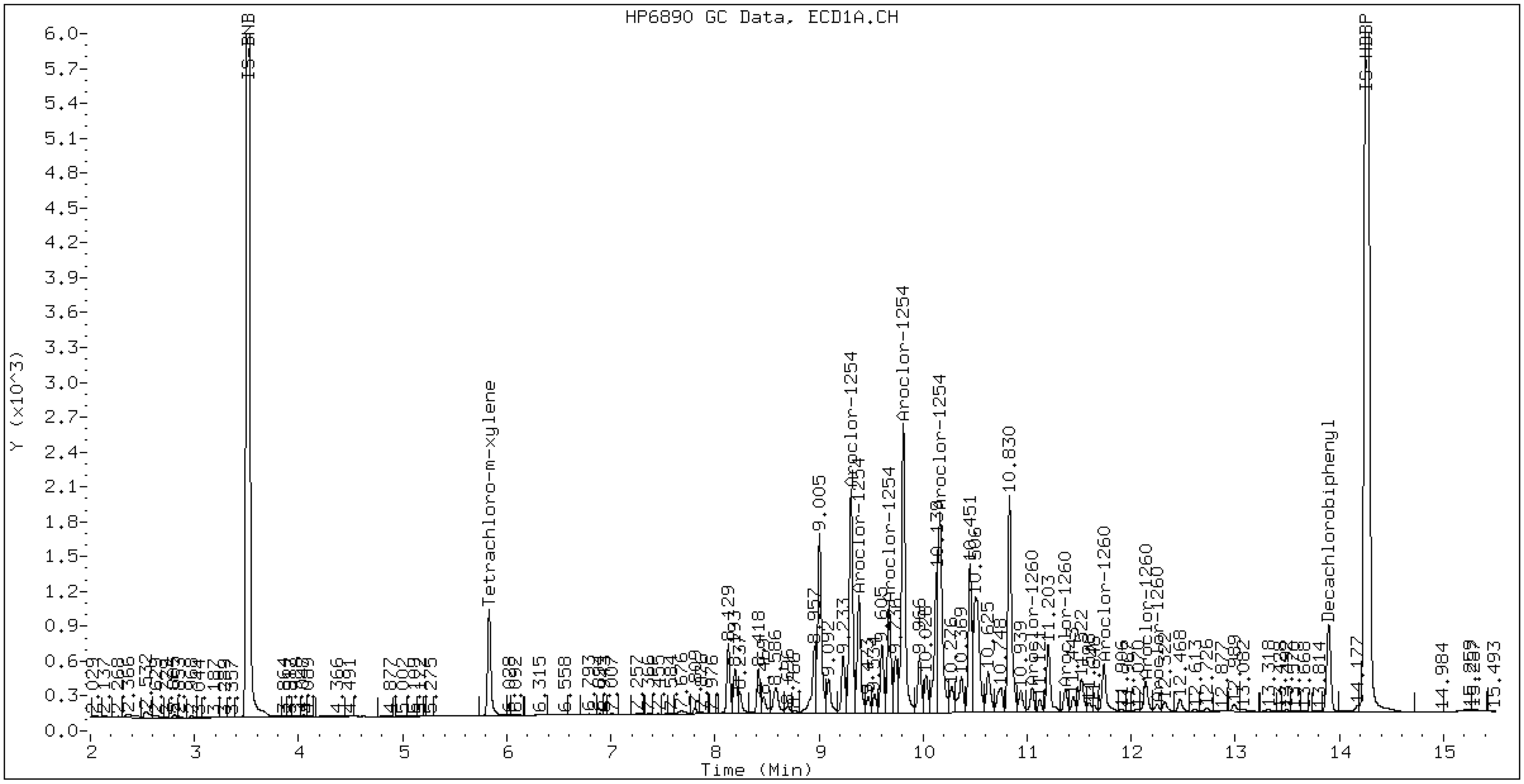
Total PCB Area Col2 (5.810 - 14.028) = 852912 Col2 Total PCB = 0.3 ppm*

* Quantitated against AR1660 0.25ppm in Ical

PCB-Form 10 Mod.

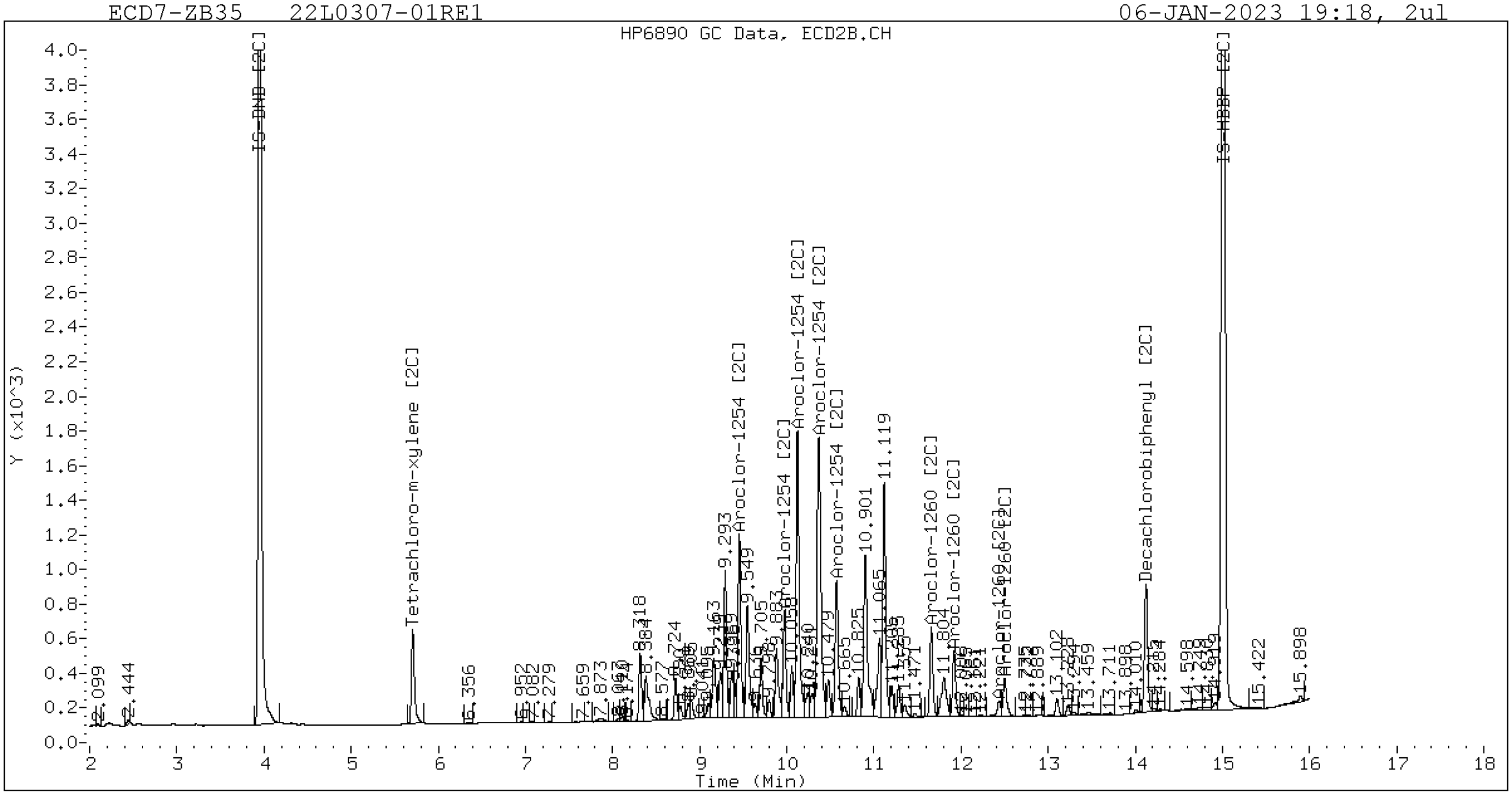
PCB Dual Column Chromatograms

ECD7-ZB5 22L0307-01RE1 06-JAN-2023 19:18, 2ul



ZB-5 Manual Integration: YES

ECD7-ZB35 22L0307-01RE1 06-JAN-2023 19:18, 2ul

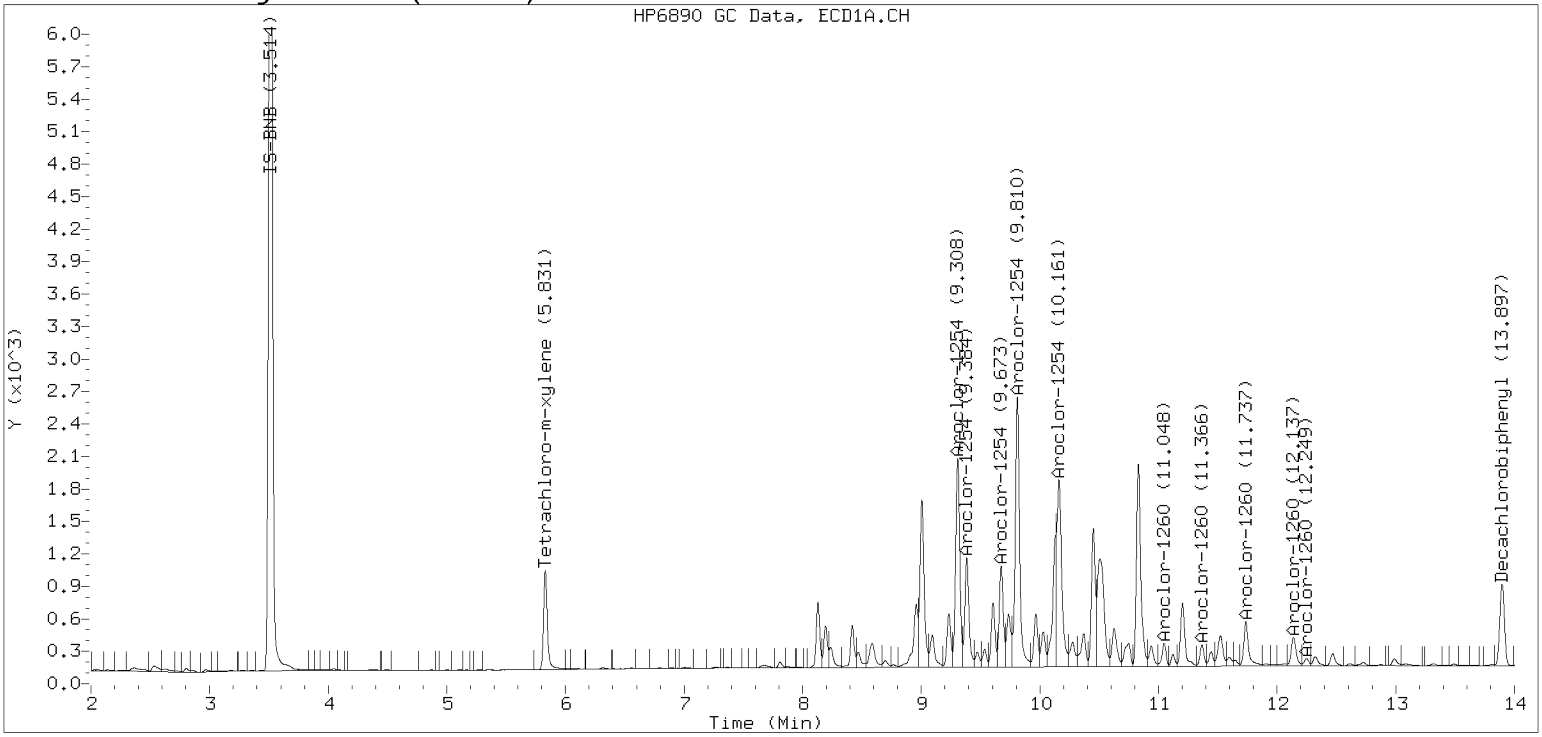


ZB-35 Manual Integration: NO

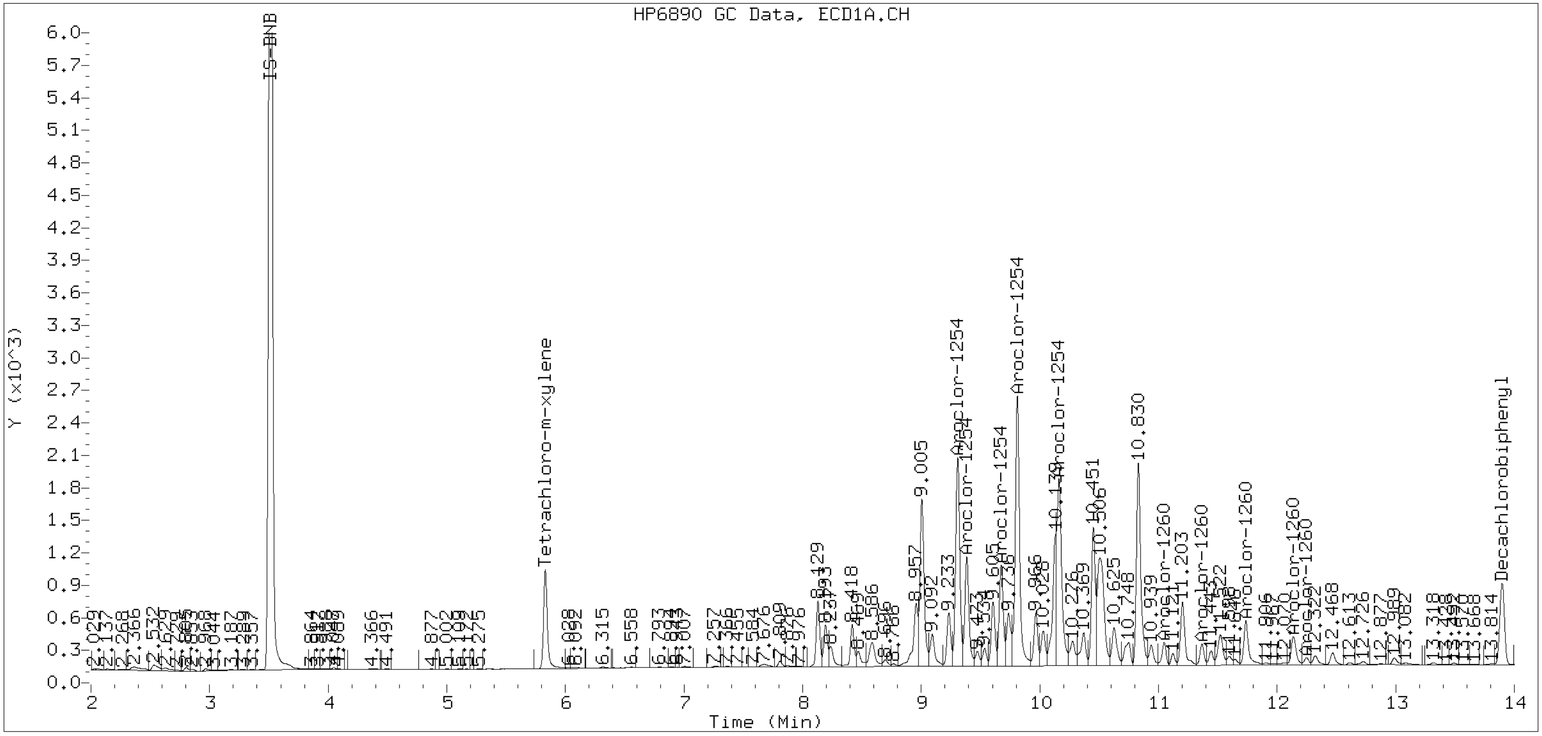
Manual Peak Adjustment, ZB-5

Datafile: ecd7.i/230105.b/01052389ECD7.D   Injection Date: 06-JAN-2023 19:18

Manual Integration (After)



Processed Integration (Before)



LDW22-IT793B

Dual Column

ORGANIC ANALYSIS DATA SHEET
EPA 8082A

Laboratory:	Analytical Resources, LLC			SDG:	22L0307
Client:	Anchor QEA, LLC				
Project:	AOC4 UR Phase 3				
Matrix:	Solid	Laboratory ID:	22L0307-02 B	File ID:	12312229ECD7.D
Sampled:	12/12/22 08:26	Prepared:	12/27/22 14:11	Analyzed:	12/31/22 20:00
% Solids:	69.77	Preparation:	EPA 3546 (Microwave)	Initial/Final:	17.92 g Wet / 2.5 mL
Batch:	BKL0581	Sequence:	SLA0071	Calibration:	FL00010
Instrument:	ECD7	Column 1:	ZB5	Column 2:	ZB35

CAS NO.	COMPOUND	Col #	DILUTION	CONC. (ug/kg dry)	MDL	MRL	Q
12674-11-2	Aroclor 1016	1	1	4.0	1.6	4.0	U
11104-28-2	Aroclor 1221	1	1	4.0	1.6	4.0	U
11141-16-5	Aroclor 1232	1	1	4.0	1.6	4.0	U
53469-21-9	Aroclor 1242	1	1	4.0	1.6	4.0	U
12672-29-6	Aroclor 1248	1	1	3.1	1.6	4.0	J
11097-69-1	Aroclor 1254	2	1	4.3	1.6	4.0	
11096-82-5	Aroclor 1260	1	1	4.0	0.6	4.0	U

SURROGATES	Col #	ADDED (ug/kg dry)	CONC (ug/kg dry)	% REC	QC LIMITS	Q
Decachlorobiphenyl	*1*	*7.9982*	*7.99*	*99.9*	*40 - 126*	
Tetrachlorometaxylene	*1*	*7.9982*	*6.22*	*77.8*	*44 - 120*	
Decachlorobiphenyl	*2*	*7.9982*	*7.64*	*95.5*	*40 - 126*	
Tetrachlorometaxylene	*2*	*7.9982*	*6.39*	*79.9*	*44 - 120*	

```
                               Analytical Resources Inc.
                          Dual Column 608/8082 PCB Quantitation Report

 Data file 1: /221231.b/12312229ECD7.D                   ARI ID: 22L0307-02
 Data file 2: /221231.b/221231.b/12312229ECD7.D          Client ID:
 Method: \\target\share\chem4\ecd7.i\221231.b\PCB.m      Injection Date: 31-DEC-2022 20:00
 Compound Sublist: PCB.sub                               Report Date: 01/05/2023 17:04
 Instrument, Inj. Vol.: ecd7.i, 2ul                      Matrix: NONE
 Quant Method: Internal Std                              Dilution Factor:  1.0



                                  SURROGATES

        ZB5 Col         |       ZB35 Col        |   ZB5    ZB35
   RT    Shift Response | RT    Shift  Response  |  on col  on col    RPD   Compound/Flag
 ========================================================================================

  5.829 -0.003   210933 | 5.706  -0.004   139569|   31.1    31.9      2.7    Tetrachloro-m-xylene
 13.899 -0.002   277150 |14.126  -0.004   244423|   40.0    38.2      4.5    Decachlorobiphenyl


*  Indicates RPD > 40%



                             INTERNAL STANDARD SUMMARY

                                         Column 1
                                  Standard    Sample
                Standard Cpnd       Area*       Area      %D
            --------------------------------------------------
              Bromo-Nitrobenzene    447645      478479    6.9
              Hexabromobiphenyl     798898      756547   -5.3

                                         Column 2
                                  Standard    Sample
                Standard Cpnd       Area*       Area      %D
            --------------------------------------------------
              Bromo-Nitrobenzene    249094     318728    28.0
              Hexabromobiphenyl     362541     450798    24.3


             * Standard Areas taken from Initial Cal Level 3
               Initial Calibration Date: 03-DEC-2022
            <- Indicates standard response outside Limits (-50 to +100%)
```

```
                            ZB5 Col                            ZB35 Col
 Aroclor   Peak#    RT    Shift    Area    Amount    Peak#   RT     Shift    Area   Amount
 ==========================================================================================
 Aroclor-1016 1      ---                      0.0      1     ---                     0.0
 Aroclor-1016 2      ---                      0.0      2     ---                     0.0
 Aroclor-1016 3      ---                      0.0      3     ---                     0.0
 Aroclor-1016 4      ---                      0.0      4     ---                     0.0
             Col1Ave: <3 Quant Peaks                    Col2Ave: <3 Quant Peaks

 Aroclor-1221 1      ---                      0.0      1     ---                     0.0
 Aroclor-1221 2      ---                      0.0      2     ---                     0.0
 Aroclor-1221 3      ---                      0.0      3     ---                     0.0
             Col1Ave: <3 Quant Peaks                    Col2Ave: <3 Quant Peaks

 Aroclor-1232 1      ---                      0.0      1     ---                     0.0
 Aroclor-1232 2      ---                      0.0      2     ---                     0.0
 Aroclor-1232 3      ---                      0.0      3     ---                     0.0
 Aroclor-1232 4      ---                      0.0      4     ---                     0.0
             Col1Ave: <3 Quant Peaks                    Col2Ave: <3 Quant Peaks

 Aroclor-1242 1      ---                      0.0      1     ---                     0.0
 Aroclor-1242 2      ---                      0.0      2     ---                     0.0
 Aroclor-1242 3      ---                      0.0      3     ---                     0.0
 Aroclor-1242 4      ---                      0.0      4     ---                     0.0
             Col1Ave: <3 Quant Peaks                    Col2Ave: <3 Quant Peaks

 Aroclor-1248 1   8.416  -0.011      1941     9.4      1    8.318  -0.005     2025    15.6
 Aroclor-1248 2   8.581  -0.023      2135     8.1      2    8.721  -0.007     1022     7.5
 Aroclor-1248 3   9.004  -0.018      6601    14.0      3    9.163  -0.011     1570     9.4
 Aroclor-1248 4   9.305  -0.006      6942    30.0      4    9.550  -0.045     4261    21.8
       Total Col1Ave (4 peaks):    15.4       Total Col2Ave (4 peaks):    13.6   RPD = 13
       Corrected Ave (3 peaks):    10.5       Corrected Ave (3 peaks):    10.8   RPD = 3

 Aroclor-1254 1   9.305  -0.016      6942    16.5      1    9.457  -0.004     4351    21.2
 Aroclor-1254 2   9.381  -0.021      2313    14.1      2    9.974  -0.004     3848    23.3
 Aroclor-1254 3   9.672  -0.022      2983    11.2      3   10.123  -0.008     6718    18.9
 Aroclor-1254 4   9.809  -0.022      9613    18.5      4   10.368  -0.010    10832    29.5
 Aroclor-1254 5  10.159  -0.031      6158    17.3      5   10.581   0.005     2444    13.8
       Total Col1Ave (5 peaks):    15.5       Total Col2Ave (5 peaks):    21.3   RPD = 31
       Corrected Ave (4 peaks):    14.8       Corrected Ave (4 peaks):    19.3   RPD = 26

 Aroclor-1260 1      ---                      0.0      1     ---                     0.0
 Aroclor-1260 2      ---                      0.0      2     ---                     0.0
 Aroclor-1260 3      ---                      0.0      3     ---                     0.0
 Aroclor-1260 4      ---                      0.0      4     ---                     0.0
 Aroclor-1260 5      ---                      0.0      NS    ---                    ----
             Col1Ave: <3 Quant Peaks                    Col2Ave: <3 Quant Peaks

 Aroclor-1262 1      ---                      0.0      1     ---                     0.0
 Aroclor-1262 2      ---                      0.0      2     ---                     0.0
 Aroclor-1262 3      ---                      0.0      3     ---                     0.0
 Aroclor-1262 4      ---                      0.0      4     ---                     0.0
             Col1Ave: <3 Quant Peaks                    Col2Ave: <3 Quant Peaks

 Aroclor-1268 1      ---                      0.0      1     ---                     0.0
 Aroclor-1268 2      ---                      0.0      2     ---                     0.0
 Aroclor-1268 3      ---                      0.0      3     ---                     0.0
 Aroclor-1268 4      ---                      0.0      4     ---                     0.0
             Col1Ave: <3 Quant Peaks                    Col2Ave: <3 Quant Peaks
```

Total PCB Area Col1 (5.932 - 13.801) = 163358 Col1 Total PCB = 0.0 ppm*

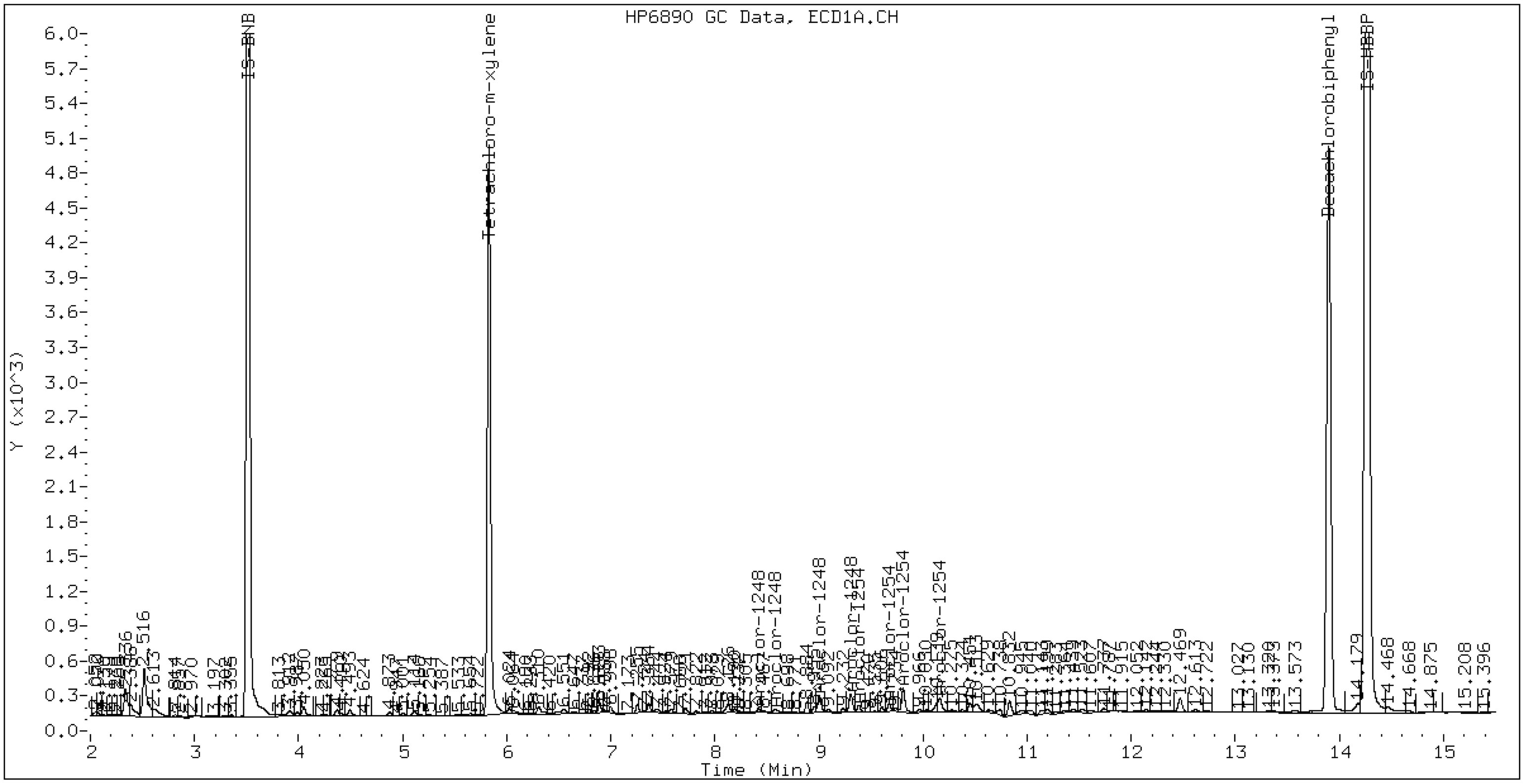
Total PCB Area Col2 (5.810 - 14.030) = 125195 Col2 Total PCB = 0.0 ppm*

* Quantitated against AR1660 0.25ppm in Ical

PCB-Form 10 Mod.

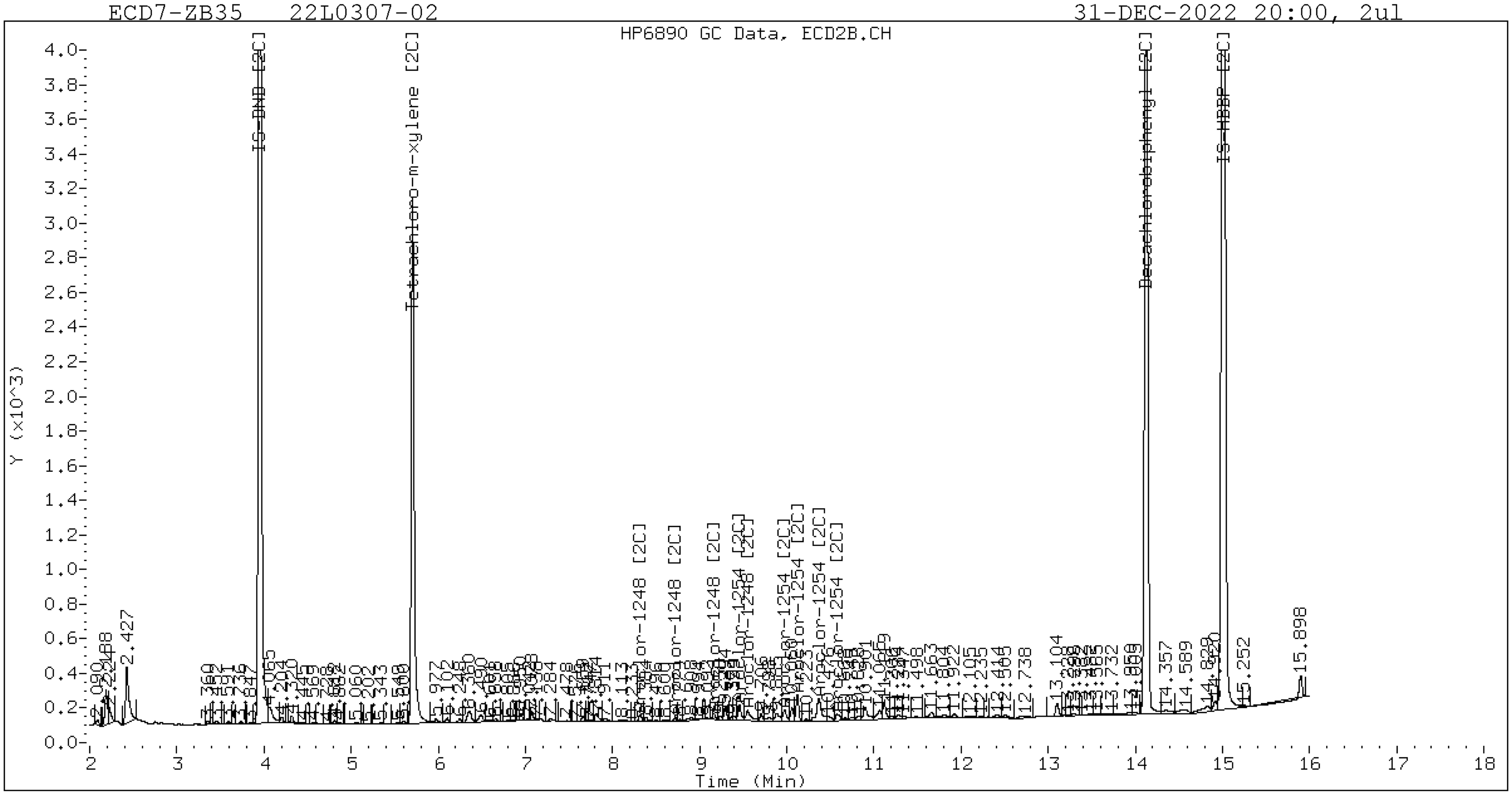
PCB Dual Column Chromatograms

ECD7-ZB5 22L0307-02 31-DEC-2022 20:00, 2ul



ZB-5 Manual Integration: YES

ECD7-ZB35 22L0307-02 31-DEC-2022 20:00, 2ul

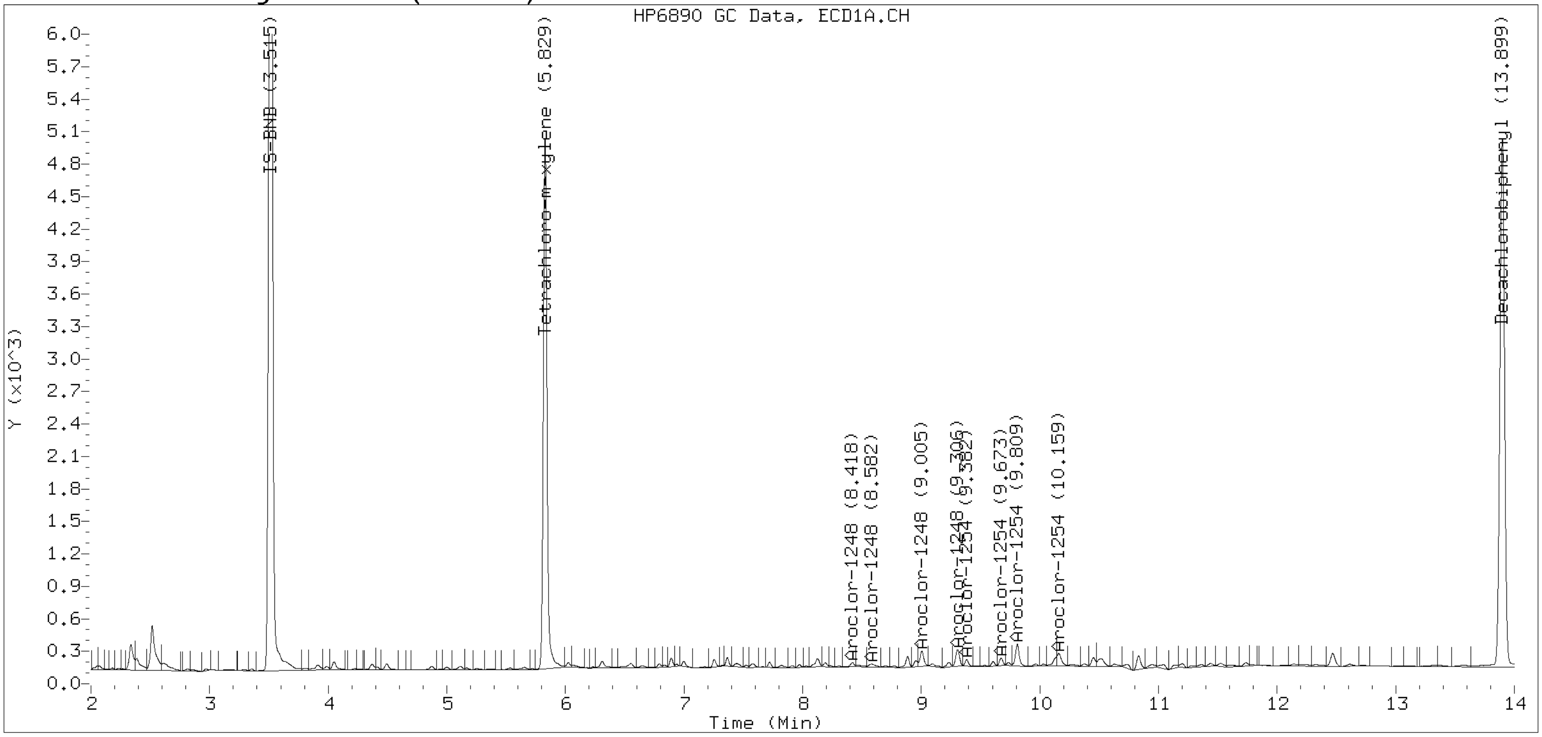


ZB-35 Manual Integration: NO

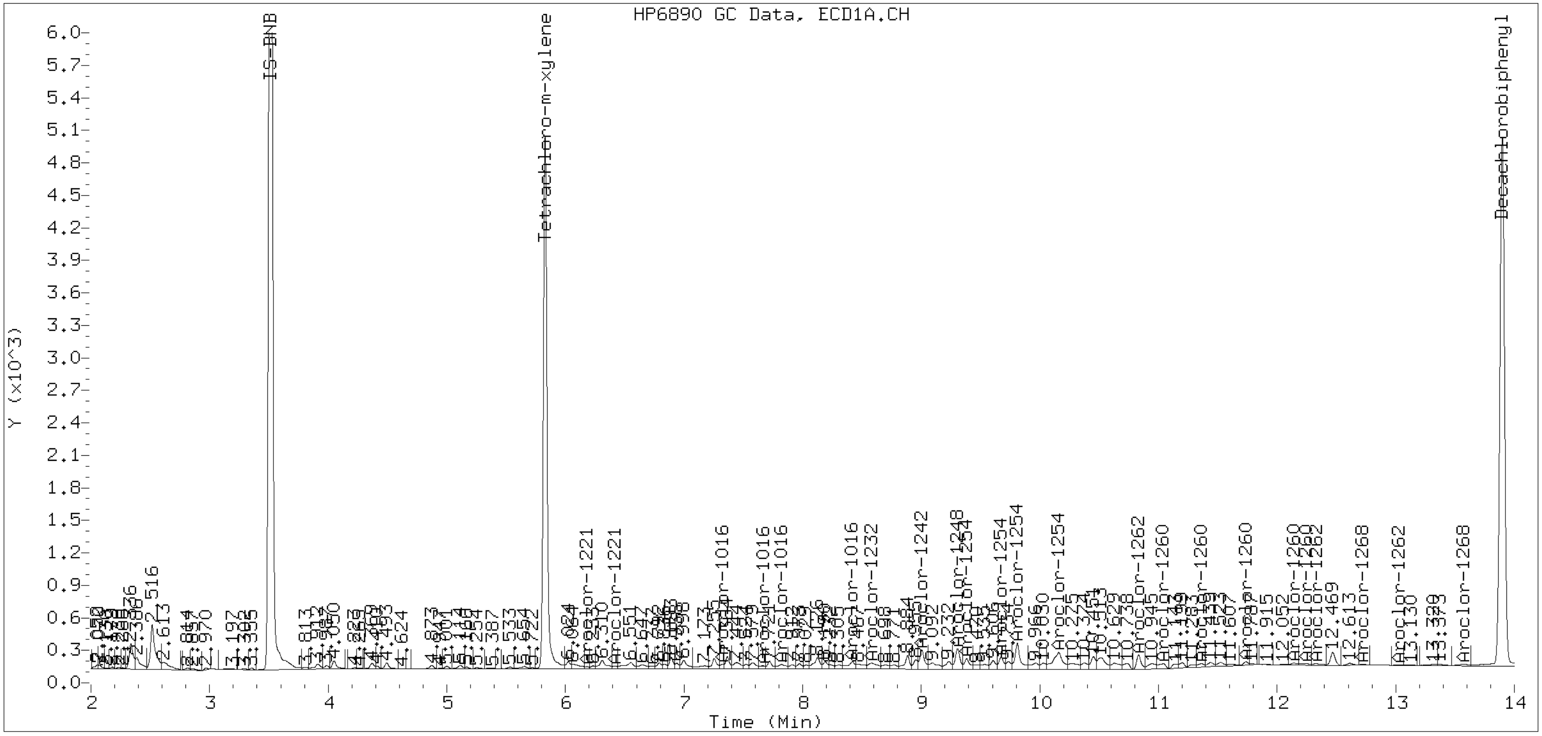
Manual Peak Adjustment, ZB-5

Datafile: ecd7.i/221231.b/12312229ECD7.D   Injection Date: 31-DEC-2022 20:00

Manual Integration (After)



Processed Integration (Before)



LDW22-IT793C

Dual Column

ORGANIC ANALYSIS DATA SHEET
EPA 8082A

Laboratory:	Analytical Resources, LLC			SDG:	22L0307
Client:	Anchor QEA, LLC				
Project:	AOC4 UR Phase 3				
Matrix:	Solid	Laboratory ID:	22L0307-03 B	File ID:	12312230ECD7.D
Sampled:	12/12/22 08:26	Prepared:	12/27/22 14:11	Analyzed:	12/31/22 20:21
% Solids:	70.86	Preparation:	EPA 3546 (Microwave)	Initial/Final:	17.66 g Wet / 2.5 mL
Batch:	BKL0581	Sequence:	SLA0071	Calibration:	FL00010
Instrument:	ECD7	Column 1:	ZB5	Column 2:	ZB35

CAS NO.	COMPOUND	Col #	DILUTION	CONC. (ug/kg dry)	MDL	MRL	Q
12674-11-2	Aroclor 1016	1	1	4.0	1.6	4.0	U
11104-28-2	Aroclor 1221	1	1	4.0	1.6	4.0	U
11141-16-5	Aroclor 1232	1	1	4.0	1.6	4.0	U
53469-21-9	Aroclor 1242	1	1	4.0	1.6	4.0	U
12672-29-6	Aroclor 1248	1	1	20.6	1.6	4.0	
11097-69-1	Aroclor 1254	1	1	28.8	1.6	4.0	
11096-82-5	Aroclor 1260	2	1	6.5	0.6	4.0	

SURROGATES	Col #	ADDED (ug/kg dry)	CONC (ug/kg dry)	% REC	QC LIMITS	Q
Decachlorobiphenyl	*1*	*7.9911*	*8.05*	*101*	*40 - 126*	
Tetrachlorometaxylene	*1*	*7.9911*	*6.36*	*79.5*	*44 - 120*	
Decachlorobiphenyl	*2*	*7.9911*	*7.63*	*95.5*	*40 - 126*	
Tetrachlorometaxylene	*2*	*7.9911*	*6.45*	*80.7*	*44 - 120*	

```
                              Analytical Resources Inc.
                         Dual Column 608/8082 PCB Quantitation Report

Data file 1: /221231.b/12312230ECD7.D                      ARI ID: 22L0307-03
Data file 2: /221231.b/221231.b/12312230ECD7.D             Client ID:
Method: \\target\share\chem4\ecd7.i\221231.b\PCB.m         Injection Date: 31-DEC-2022 20:21
Compound Sublist: PCB.sub                                  Report Date: 01/05/2023 17:04
Instrument, Inj. Vol.: ecd7.i, 2ul                         Matrix: NONE
Quant Method: Internal Std                                 Dilution Factor:  1.0



                                 SURROGATES

       ZB5 Col         |       ZB35 Col         |   ZB5    ZB35
  RT    Shift Response | RT    Shift  Response  |  on col  on col    RPD   Compound/Flag
===========================================================================================

 5.831 -0.001   219278 | 5.708  -0.003   144495|   31.8    32.3      1.4    Tetrachloro-m-xylene
13.898 -0.003   280003 |14.125  -0.005   247818|   40.3    38.2      5.3    Decachlorobiphenyl


*  Indicates RPD > 40%



                            INTERNAL STANDARD SUMMARY

                                        Column 1
                                 Standard    Sample
                 Standard Cpnd     Area*       Area      %D
               --------------------------------------------------
                 Bromo-Nitrobenzene    447645      486296    8.6
                 Hexabromobiphenyl     798898      757854   -5.1

                                        Column 2
                                 Standard    Sample
                 Standard Cpnd     Area*       Area      %D
               --------------------------------------------------
                 Bromo-Nitrobenzene    249094     326568    31.1
                 Hexabromobiphenyl     362541     456841    26.0


                * Standard Areas taken from Initial Cal Level 3
                  Initial Calibration Date: 03-DEC-2022
               <- Indicates standard response outside Limits (-50 to +100%)
```

```
//target/share/chem4/ecd7.i/221231.b/12312230ECD7.D      22L0307-03                        page 2
                             ZB5 Col                          ZB35 Col
 Aroclor   Peak#    RT    Shift    Area    Amount    Peak#   RT     Shift    Area   Amount
 ========================================================================================
 Aroclor-1016 1      ---                     0.0      1     ---                      0.0
 Aroclor-1016 2      ---                     0.0      2     ---                      0.0
 Aroclor-1016 3      ---                     0.0      3     ---                      0.0
 Aroclor-1016 4      ---                     0.0      4     ---                      0.0
             Col1Ave: <3 Quant Peaks                   Col2Ave: <3 Quant Peaks

 Aroclor-1221 1      ---                     0.0      1     ---                      0.0
 Aroclor-1221 2      ---                     0.0      2     ---                      0.0
 Aroclor-1221 3      ---                     0.0      3     ---                      0.0
             Col1Ave: <3 Quant Peaks                   Col2Ave: <3 Quant Peaks

 Aroclor-1232 1      ---                     0.0      1     ---                      0.0
 Aroclor-1232 2      ---                     0.0      2     ---                      0.0
 Aroclor-1232 3      ---                     0.0      3     ---                      0.0
 Aroclor-1232 4      ---                     0.0      4     ---                      0.0
             Col1Ave: <3 Quant Peaks                   Col2Ave: <3 Quant Peaks

 Aroclor-1242 1      ---                     0.0      1     ---                      0.0
 Aroclor-1242 2      ---                     0.0      2     ---                      0.0
 Aroclor-1242 3      ---                     0.0      3     ---                      0.0
 Aroclor-1242 4      ---                     0.0      4     ---                      0.0
             Col1Ave: <3 Quant Peaks                   Col2Ave: <3 Quant Peaks

 Aroclor-1248 1   8.418  -0.010      9767    46.7      1    8.317  -0.006    12428    93.2
 Aroclor-1248 2   8.581  -0.024     12652    47.4      2    8.723  -0.006     4970    35.4
 Aroclor-1248 3   9.004  -0.018     44300    92.2      3    9.159  -0.015    13188    77.3
 Aroclor-1248 4   9.305  -0.006     53310   226.6      4    9.548  -0.047    20839   104.0
       Total Col1Ave (4 peaks):   103.2       Total Col2Ave (4 peaks):    77.5   RPD = 29
       Corrected Ave (3 peaks):    62.1       Corrected Ave (3 peaks):    68.6   RPD = 10

 Aroclor-1254 1   9.305  -0.016     53310   124.5      1    9.455  -0.006    27894   132.5
 Aroclor-1254 2   9.380  -0.022     26639   160.0      2    9.973  -0.006    15252    90.1
 Aroclor-1254 3   9.672  -0.023     17560    64.9      3   10.119  -0.011    39480   108.5
 Aroclor-1254 4   9.806  -0.025     74324   141.0      4   10.363  -0.015    56090   148.8
 Aroclor-1254 5  10.152  -0.038     82866   229.3      5   10.571  -0.004    19778   108.8
       Total Col1Ave (5 peaks):   143.9       Total Col2Ave (5 peaks):   117.7   RPD = 20
       Corrected Ave (4 peaks):   122.6       Corrected Ave (4 peaks):   110.0   RPD = 11

 Aroclor-1260 1  11.047  -0.016      7371    26.7      1   11.660  -0.003    13148    54.5
 Aroclor-1260 2  11.365  -0.012      6924    24.3      2   11.920  -0.006    11924    19.7
 Aroclor-1260 3  11.736  -0.015     15623    20.8      3   12.436  -0.009     5426    33.7
 Aroclor-1260 4  12.137  -0.022      9810    25.7      4   12.502  -0.007     8633    21.4
 Aroclor-1260 5  12.248  -0.013      3248    20.8      NS    ---                    ----
       Total Col1Ave (5 peaks):    23.7       Total Col2Ave (4 peaks):    32.3   RPD = 31
       Corrected Ave (4 peaks):    22.9       Corrected Ave (3 peaks):    24.9   RPD = 8

 Aroclor-1262 1      ---                     0.0      1     ---                      0.0
 Aroclor-1262 2      ---                     0.0      2     ---                      0.0
 Aroclor-1262 3      ---                     0.0      3     ---                      0.0
 Aroclor-1262 4      ---                     0.0      4     ---                      0.0
             Col1Ave: <3 Quant Peaks                   Col2Ave: <3 Quant Peaks

 Aroclor-1268 1      ---                     0.0      1     ---                      0.0
 Aroclor-1268 2      ---                     0.0      2     ---                      0.0
 Aroclor-1268 3      ---                     0.0      3     ---                      0.0
 Aroclor-1268 4      ---                     0.0      4     ---                      0.0
             Col1Ave: <3 Quant Peaks                   Col2Ave: <3 Quant Peaks
```

Total PCB Area Col1 (5.932 - 13.801) = 855638 Col1 Total PCB = 0.2 ppm*

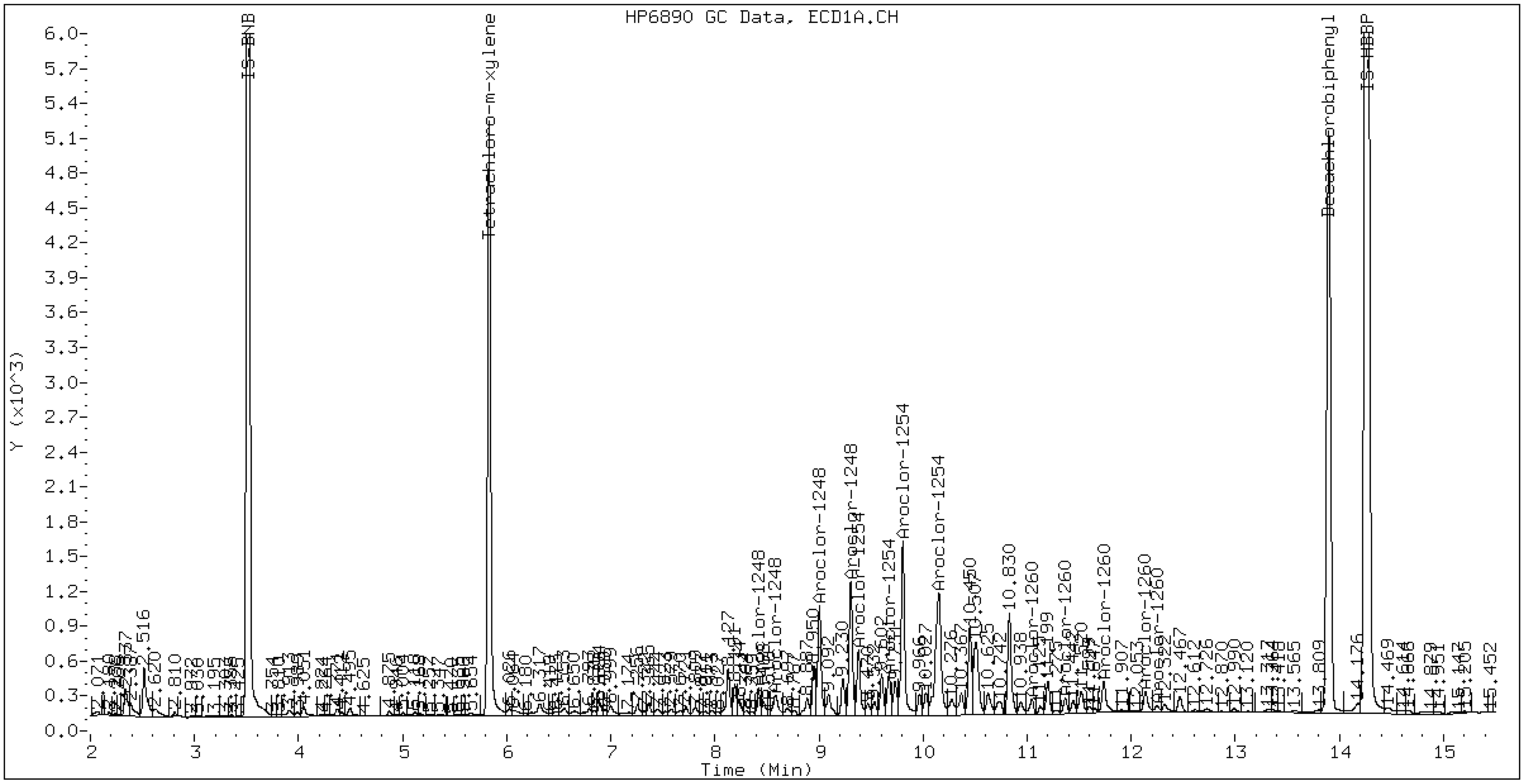
Total PCB Area Col2 (5.810 - 14.030) = 575576 Col2 Total PCB = 0.2 ppm*

* Quantitated against AR1660 0.25ppm in Ical

PCB-Form 10 Mod.

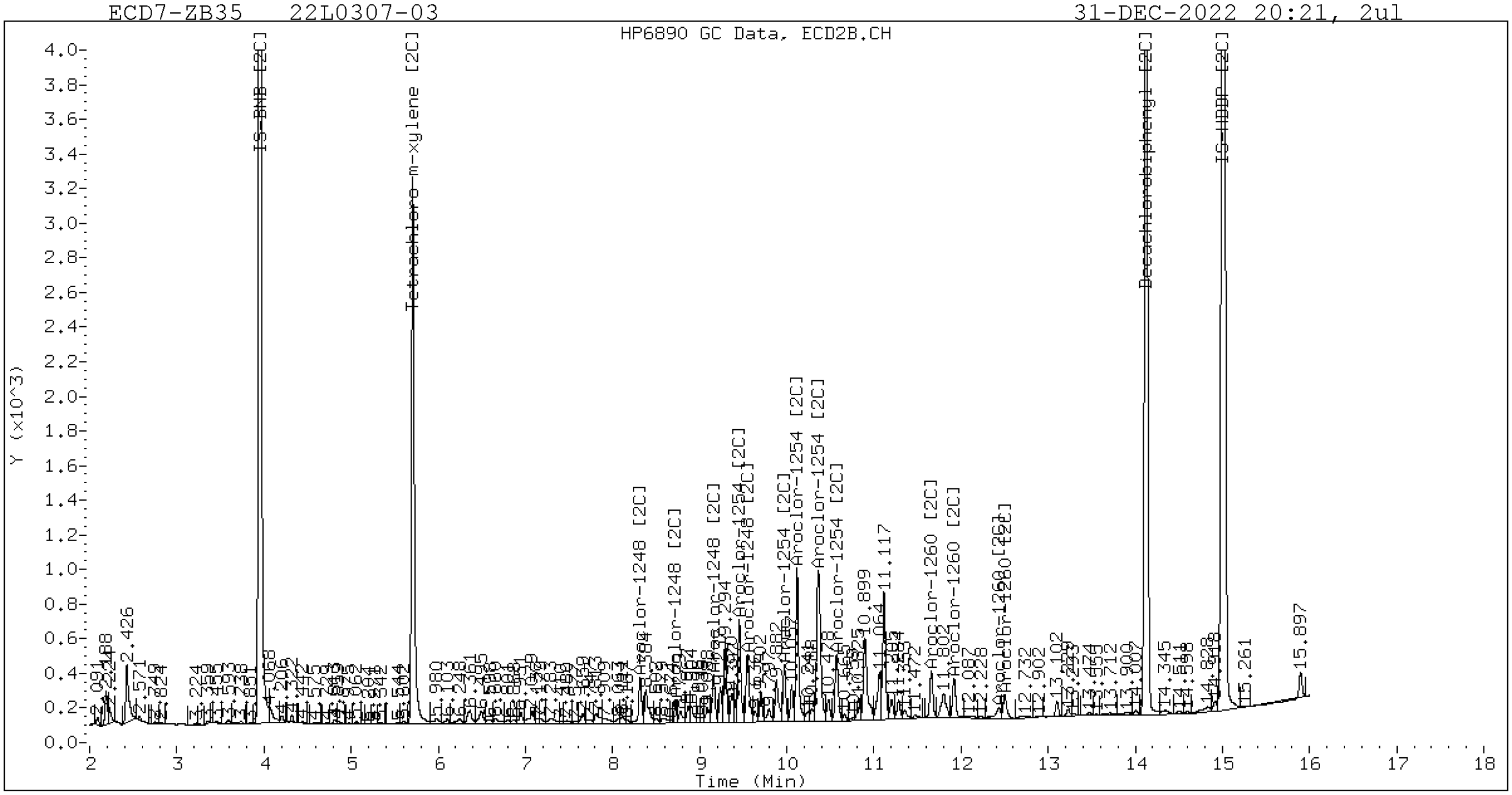
PCB Dual Column Chromatograms

ECD7-ZB5 22L0307-03 31-DEC-2022 20:21, 2ul



ZB-5 Manual Integration: NO

ECD7-ZB35 22L0307-03 31-DEC-2022 20:21, 2ul

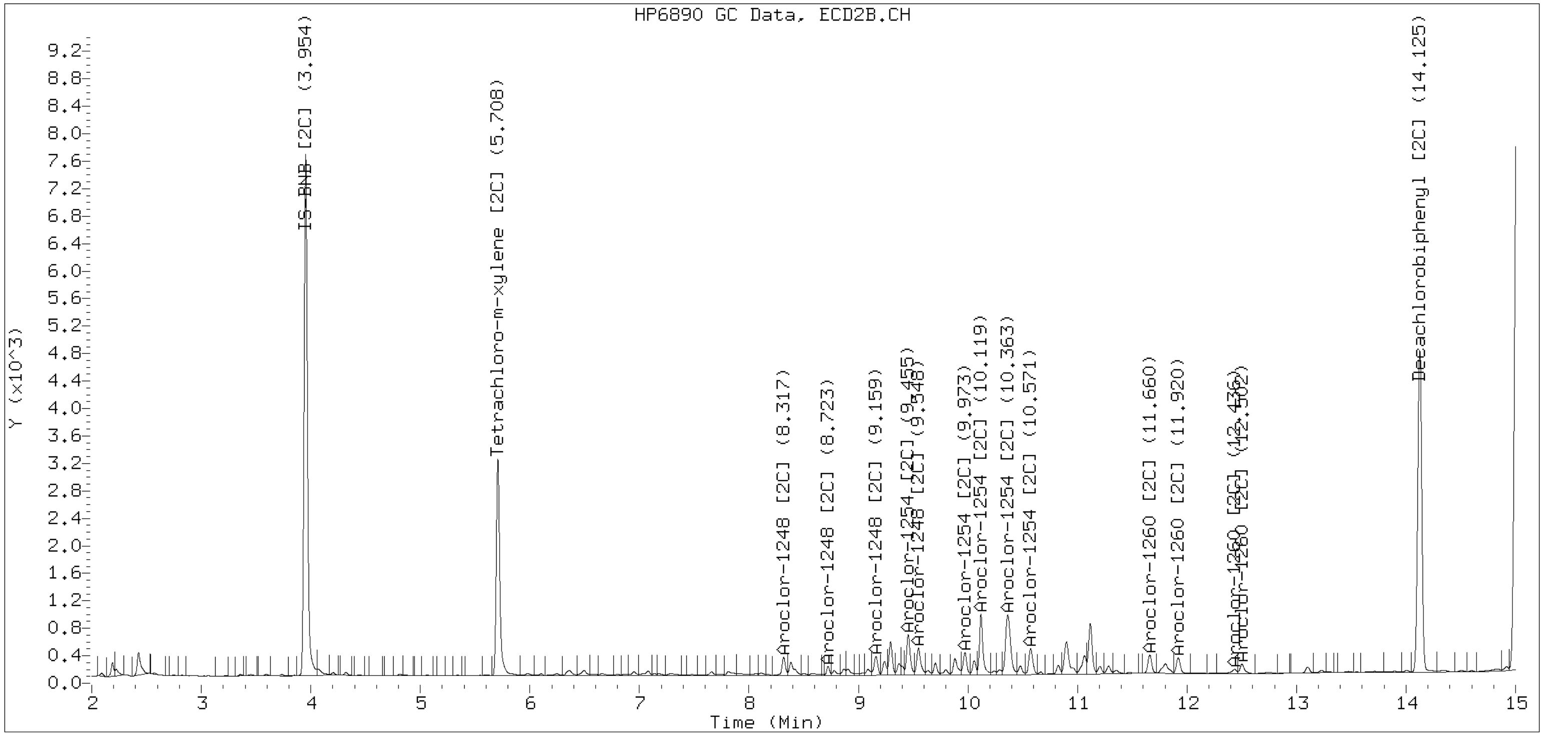


ZB-35 Manual Integration: YES

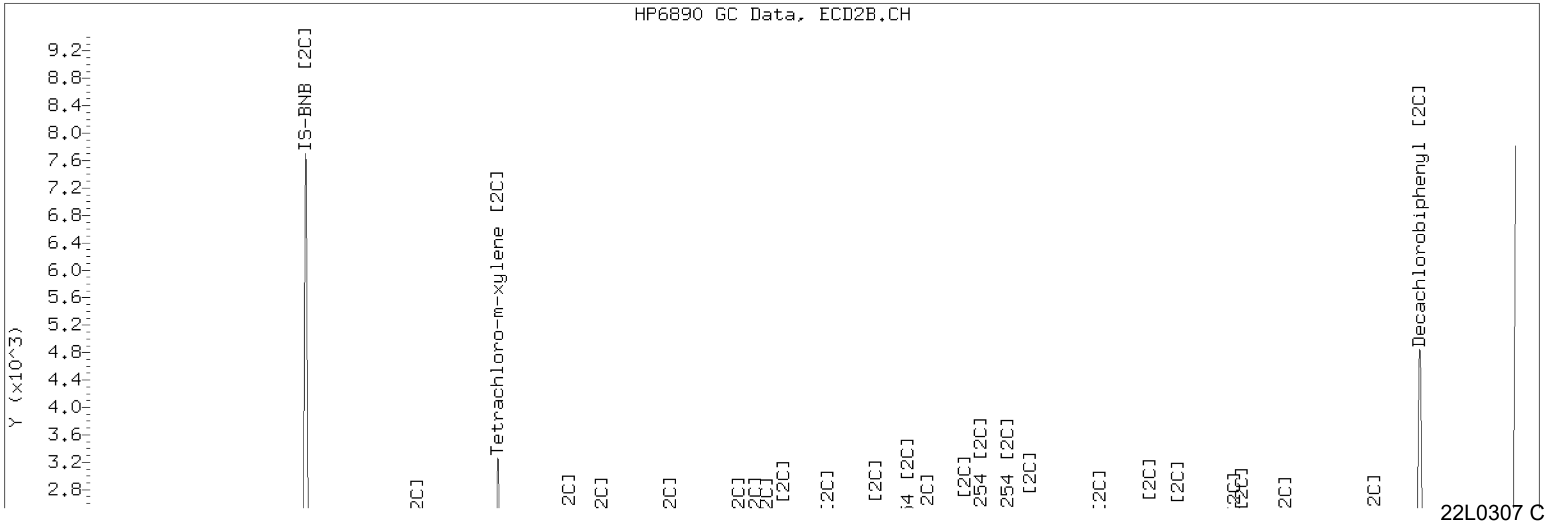
Manual Peak Adjustment, ZB-35

Datafile: ecd7.i/221231.b/221231.b/12312230ECD7.D   Injection Date: 31-DEC-2022 20:21

Manual Integration (After)



Processed Integration (Before)



LDW22-IT793D

Dual Column

ORGANIC ANALYSIS DATA SHEET
EPA 8082A

Laboratory:	Analytical Resources, LLC			SDG:	22L0307
Client:	Anchor QEA, LLC				
Project:	AOC4 UR Phase 3				
Matrix:	Solid	Laboratory ID:	22L0307-04 B	File ID:	12312231ECD7.D
Sampled:	12/12/22 08:26	Prepared:	12/27/22 14:11	Analyzed:	12/31/22 20:42
% Solids:	70.87	Preparation:	EPA 3546 (Microwave)	Initial/Final:	17.64 g Wet / 2.5 mL
Batch:	BKL0581	Sequence:	SLA0071	Calibration:	FL00010
Instrument:	ECD7	Column 1:	ZB5	Column 2:	ZB35

CAS NO.	COMPOUND	Col #	DILUTION	CONC. (ug/kg dry)	MDL	MRL	Q
12674-11-2	Aroclor 1016	1	1	4.0	1.6	4.0	U
11104-28-2	Aroclor 1221	1	1	4.0	1.6	4.0	U
11141-16-5	Aroclor 1232	1	1	4.0	1.6	4.0	U
53469-21-9	Aroclor 1242	1	1	4.0	1.6	4.0	U
12672-29-6	Aroclor 1248	1	1	4.0	1.6	4.0	U
11097-69-1	Aroclor 1254	1	1	4.0	1.6	4.0	U
11096-82-5	Aroclor 1260	1	1	4.0	0.6	4.0	U

SURROGATES	Col #	ADDED (ug/kg dry)	CONC (ug/kg dry)	% REC	QC LIMITS	Q
Decachlorobiphenyl	*1*	*7.9991*	*7.40*	*92.5*	*40 - 126*	
Tetrachlorometaxylene	*1*	*7.9991*	*5.97*	*74.6*	*44 - 120*	

```
                              Analytical Resources Inc.
                         Dual Column 608/8082 PCB Quantitation Report

 Data file 1: /221231.b/12312231ECD7.D                      ARI ID: 22L0307-04
 Data file 2: /221231.b/221231.b/12312231ECD7.D             Client ID:
 Method: \\target\share\chem4\ecd7.i\221231.b\PCB.m         Injection Date: 31-DEC-2022 20:42
 Compound Sublist: PCB.sub                                  Report Date: 01/05/2023 17:04
 Instrument, Inj. Vol.: ecd7.i, 2ul                         Matrix: NONE
 Quant Method: Internal Std                                 Dilution Factor:  1.0



                                     SURROGATES

        ZB5 Col          |        ZB35 Col          |   ZB5    ZB35
   RT    Shift Response  | RT    Shift  Response    |  on col  on col    RPD   Compound/Flag
 ==========================================================================================

  5.829 -0.002   205992 | 5.706  -0.004   134949|   29.8    30.3      1.5    Tetrachloro-m-xylene
 13.898 -0.002   295848 |14.125  -0.004   252369|   37.0    36.4      1.5    Decachlorobiphenyl


*  Indicates RPD > 40%



                                INTERNAL STANDARD SUMMARY

                                            Column 1
                                     Standard    Sample
                  Standard Cpnd       Area*       Area      %D
              --------------------------------------------------
                Bromo-Nitrobenzene    447645      487177    8.8
                Hexabromobiphenyl     798898      872547    9.2

                                            Column 2
                                     Standard    Sample
                  Standard Cpnd       Area*       Area      %D
              --------------------------------------------------
                Bromo-Nitrobenzene    249094     325104    30.5
                Hexabromobiphenyl     362541     487980    34.6


               * Standard Areas taken from Initial Cal Level 3
                 Initial Calibration Date: 03-DEC-2022
              <- Indicates standard response outside Limits (-50 to +100%)
```

```
//target/share/chem4/ecd7.i/221231.b/12312231ECD7.D      22L0307-04                        page 2
                             ZB5 Col                          ZB35 Col
 Aroclor   Peak#    RT    Shift    Area    Amount    Peak#   RT     Shift    Area   Amount
 ========================================================================================
 Aroclor-1016 1      ---                     0.0      1     ---                      0.0
 Aroclor-1016 2      ---                     0.0      2     ---                      0.0
 Aroclor-1016 3      ---                     0.0      3     ---                      0.0
 Aroclor-1016 4      ---                     0.0      4     ---                      0.0
            Col1Ave: <3 Quant Peaks                    Col2Ave: <3 Quant Peaks

 Aroclor-1221 1      ---                     0.0      1     ---                      0.0
 Aroclor-1221 2      ---                     0.0      2     ---                      0.0
 Aroclor-1221 3      ---                     0.0      3     ---                      0.0
            Col1Ave: <3 Quant Peaks                    Col2Ave: <3 Quant Peaks

 Aroclor-1232 1      ---                     0.0      1     ---                      0.0
 Aroclor-1232 2      ---                     0.0      2     ---                      0.0
 Aroclor-1232 3      ---                     0.0      3     ---                      0.0
 Aroclor-1232 4      ---                     0.0      4     ---                      0.0
            Col1Ave: <3 Quant Peaks                    Col2Ave: <3 Quant Peaks

 Aroclor-1242 1      ---                     0.0      1     ---                      0.0
 Aroclor-1242 2      ---                     0.0      2     ---                      0.0
 Aroclor-1242 3      ---                     0.0      3     ---                      0.0
 Aroclor-1242 4      ---                     0.0      4     ---                      0.0
            Col1Ave: <3 Quant Peaks                    Col2Ave: <3 Quant Peaks

 Aroclor-1248 1      ---                     0.0      1     ---                      0.0
 Aroclor-1248 2      ---                     0.0      2     ---                      0.0
 Aroclor-1248 3      ---                     0.0      3     ---                      0.0
 Aroclor-1248 4      ---                     0.0      4     ---                      0.0
            Col1Ave: <3 Quant Peaks                    Col2Ave: <3 Quant Peaks

 Aroclor-1254 1      ---                     0.0      1     ---                      0.0
 Aroclor-1254 2      ---                     0.0      2     ---                      0.0
 Aroclor-1254 3      ---                     0.0      3     ---                      0.0
 Aroclor-1254 4      ---                     0.0      4     ---                      0.0
 Aroclor-1254 5      ---                     0.0      5     ---                      0.0
            Col1Ave: <3 Quant Peaks                    Col2Ave: <3 Quant Peaks

 Aroclor-1260 1      ---                     0.0      1     ---                      0.0
 Aroclor-1260 2      ---                     0.0      2     ---                      0.0
 Aroclor-1260 3      ---                     0.0      3     ---                      0.0
 Aroclor-1260 4      ---                     0.0      4     ---                      0.0
 Aroclor-1260 5      ---                     0.0      NS    ---                     ----
            Col1Ave: <3 Quant Peaks                    Col2Ave: <3 Quant Peaks

 Aroclor-1262 1      ---                     0.0      1     ---                      0.0
 Aroclor-1262 2      ---                     0.0      2     ---                      0.0
 Aroclor-1262 3      ---                     0.0      3     ---                      0.0
 Aroclor-1262 4      ---                     0.0      4     ---                      0.0
            Col1Ave: <3 Quant Peaks                    Col2Ave: <3 Quant Peaks

 Aroclor-1268 1      ---                     0.0      1     ---                      0.0
 Aroclor-1268 2      ---                     0.0      2     ---                      0.0
 Aroclor-1268 3      ---                     0.0      3     ---                      0.0
 Aroclor-1268 4      ---                     0.0      4     ---                      0.0
            Col1Ave: <3 Quant Peaks                    Col2Ave: <3 Quant Peaks




 Total PCB Area Col1 (5.932 - 13.801) =     222916     Col1 Total PCB = 0.0 ppm*
```

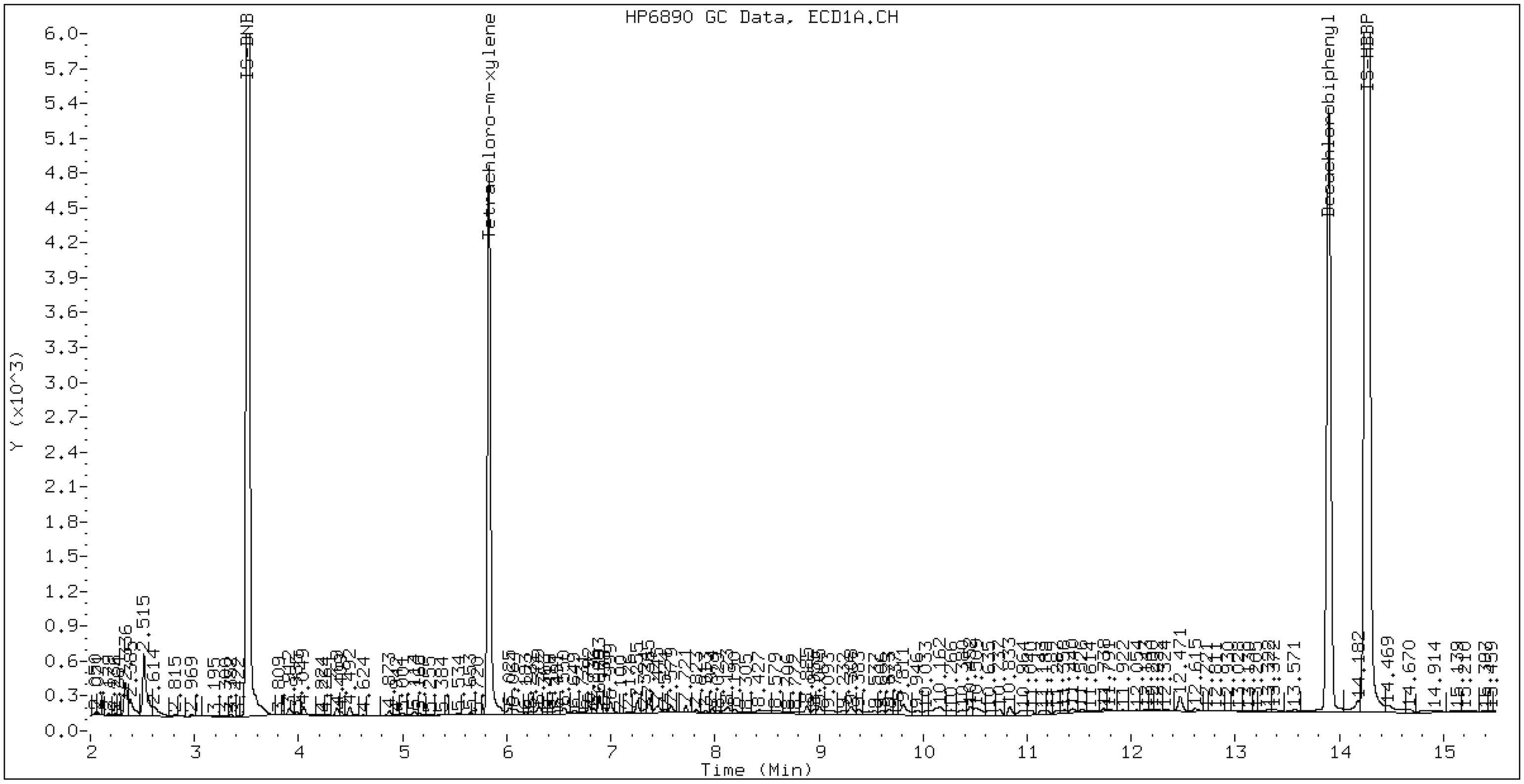
```
Total PCB Area Col2 (5.810 - 14.030) =     112690     Col2 Total PCB = 0.0 ppm*

  *  Quantitated against AR1660 0.25ppm in Ical

                                    PCB-Form 10 Mod.
```

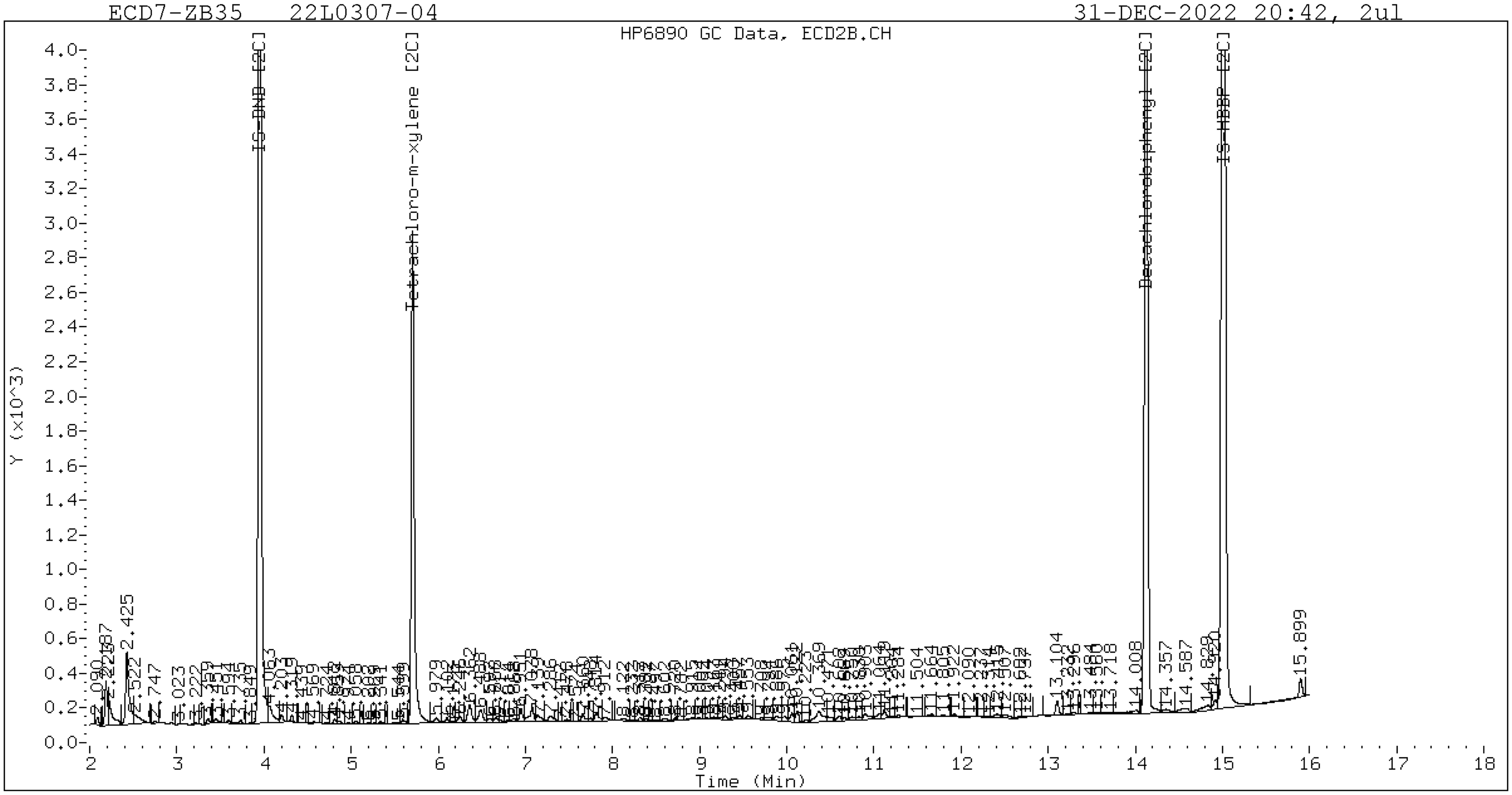
PCB Dual Column Chromatograms

ECD7-ZB5 22L0307-04 31-DEC-2022 20:42, 2ul



ZB-5 Manual Integration: NO

ECD7-ZB35 22L0307-04 31-DEC-2022 20:42, 2ul



ZB-35 Manual Integration: NO

LDW22-IT793D-FD

Dual Column

ORGANIC ANALYSIS DATA SHEET
EPA 8082A

Laboratory: Analytical Resources, LLC
SDG: 22L0307
Client: Anchor QEA, LLC
Project: AOC4 UR Phase 3

Matrix:	Solid	Laboratory ID:	22L0307-05 B	File ID:	12312232ECD7.D
Sampled:	12/12/22 08:26	Prepared:	12/27/22 14:11	Analyzed:	12/31/22 21:03
% Solids:	72.22	Preparation:	EPA 3546 (Microwave)	Initial/Final:	17.36 g Wet / 2.5 mL
Batch:	BKL0581	Sequence:	SLA0071	Calibration:	FL00010
Instrument:	ECD7	Column 1:	ZB5	Column 2:	ZB35

CAS NO.	COMPOUND	Col #	DILUTION	CONC. (ug/kg dry)	MDL	MRL	Q
12674-11-2	Aroclor 1016	1	1	4.0	1.6	4.0	U
11104-28-2	Aroclor 1221	1	1	4.0	1.6	4.0	U
11141-16-5	Aroclor 1232	1	1	4.0	1.6	4.0	U
53469-21-9	Aroclor 1242	1	1	4.0	1.6	4.0	U
12672-29-6	Aroclor 1248	1	1	4.0	1.6	4.0	U
11097-69-1	Aroclor 1254	1	1	4.0	1.6	4.0	U
11096-82-5	Aroclor 1260	1	1	4.0	0.6	4.0	U

SURROGATES	Col #	ADDED (ug/kg dry)	CONC (ug/kg dry)	% REC	QC LIMITS	Q
Decachlorobiphenyl	*1*	*7.9761*	*8.11*	*102*	*40 - 126*	
Tetrachlorometaxylene	*1*	*7.9761*	*6.34*	*79.5*	*44 - 120*	

```
                                  Analytical Resources Inc.
                             Dual Column 608/8082 PCB Quantitation Report

 Data file 1: /221231.b/12312232ECD7.D                        ARI ID: 22L0307-05
 Data file 2: /221231.b/221231.b/12312232ECD7.D               Client ID:
 Method: \\target\share\chem4\ecd7.i\221231.b\PCB.m           Injection Date: 31-DEC-2022 21:03
 Compound Sublist: PCB.sub                                    Report Date: 01/05/2023 17:04
 Instrument, Inj. Vol.: ecd7.i, 2ul                           Matrix: NONE
 Quant Method: Internal Std                                   Dilution Factor:  1.0



                                     SURROGATES

        ZB5 Col         |        ZB35 Col         |   ZB5    ZB35
   RT    Shift Response | RT    Shift  Response   |  on col  on col    RPD   Compound/Flag
 ==========================================================================================

  5.829 -0.003   220666 | 5.705  -0.005   141185|   31.8    30.9      2.9    Tetrachloro-m-xylene
 13.899 -0.002   321163 |14.127  -0.003   277022|   40.7    40.3      0.9    Decachlorobiphenyl


*  Indicates RPD > 40%




                                INTERNAL STANDARD SUMMARY

                                            Column 1
                                     Standard    Sample
                  Standard Cpnd       Area*       Area      %D
                ------------------------------------------------
                  Bromo-Nitrobenzene    447645      489454    9.3
                  Hexabromobiphenyl     798898      861136    7.8

                                            Column 2
                                     Standard    Sample
                  Standard Cpnd       Area*       Area      %D
                ------------------------------------------------
                  Bromo-Nitrobenzene    249094     333117    33.7
                  Hexabromobiphenyl     362541     483911    33.5


                 * Standard Areas taken from Initial Cal Level 3
                   Initial Calibration Date: 03-DEC-2022
                <- Indicates standard response outside Limits (-50 to +100%)
```

```
//target/share/chem4/ecd7.i/221231.b/12312232ECD7.D      22L0307-05                        page 2
                             ZB5 Col                          ZB35 Col
 Aroclor   Peak#    RT    Shift    Area    Amount    Peak#   RT     Shift    Area   Amount
 ========================================================================================
 Aroclor-1016 1      ---                     0.0      1     ---                      0.0
 Aroclor-1016 2      ---                     0.0      2     ---                      0.0
 Aroclor-1016 3      ---                     0.0      3     ---                      0.0
 Aroclor-1016 4      ---                     0.0      4     ---                      0.0
            Col1Ave: <3 Quant Peaks                    Col2Ave: <3 Quant Peaks

 Aroclor-1221 1      ---                     0.0      1     ---                      0.0
 Aroclor-1221 2      ---                     0.0      2     ---                      0.0
 Aroclor-1221 3      ---                     0.0      3     ---                      0.0
            Col1Ave: <3 Quant Peaks                    Col2Ave: <3 Quant Peaks

 Aroclor-1232 1      ---                     0.0      1     ---                      0.0
 Aroclor-1232 2      ---                     0.0      2     ---                      0.0
 Aroclor-1232 3      ---                     0.0      3     ---                      0.0
 Aroclor-1232 4      ---                     0.0      4     ---                      0.0
            Col1Ave: <3 Quant Peaks                    Col2Ave: <3 Quant Peaks

 Aroclor-1242 1      ---                     0.0      1     ---                      0.0
 Aroclor-1242 2      ---                     0.0      2     ---                      0.0
 Aroclor-1242 3      ---                     0.0      3     ---                      0.0
 Aroclor-1242 4      ---                     0.0      4     ---                      0.0
            Col1Ave: <3 Quant Peaks                    Col2Ave: <3 Quant Peaks

 Aroclor-1248 1      ---                     0.0      1     ---                      0.0
 Aroclor-1248 2      ---                     0.0      2     ---                      0.0
 Aroclor-1248 3      ---                     0.0      3     ---                      0.0
 Aroclor-1248 4      ---                     0.0      4     ---                      0.0
            Col1Ave: <3 Quant Peaks                    Col2Ave: <3 Quant Peaks

 Aroclor-1254 1      ---                     0.0      1     ---                      0.0
 Aroclor-1254 2      ---                     0.0      2     ---                      0.0
 Aroclor-1254 3      ---                     0.0      3     ---                      0.0
 Aroclor-1254 4      ---                     0.0      4     ---                      0.0
 Aroclor-1254 5      ---                     0.0      5     ---                      0.0
            Col1Ave: <3 Quant Peaks                    Col2Ave: <3 Quant Peaks

 Aroclor-1260 1      ---                     0.0      1     ---                      0.0
 Aroclor-1260 2      ---                     0.0      2     ---                      0.0
 Aroclor-1260 3      ---                     0.0      3     ---                      0.0
 Aroclor-1260 4      ---                     0.0      4     ---                      0.0
 Aroclor-1260 5      ---                     0.0      NS    ---                     ----
            Col1Ave: <3 Quant Peaks                    Col2Ave: <3 Quant Peaks

 Aroclor-1262 1      ---                     0.0      1     ---                      0.0
 Aroclor-1262 2      ---                     0.0      2     ---                      0.0
 Aroclor-1262 3      ---                     0.0      3     ---                      0.0
 Aroclor-1262 4      ---                     0.0      4     ---                      0.0
            Col1Ave: <3 Quant Peaks                    Col2Ave: <3 Quant Peaks

 Aroclor-1268 1      ---                     0.0      1     ---                      0.0
 Aroclor-1268 2      ---                     0.0      2     ---                      0.0
 Aroclor-1268 3      ---                     0.0      3     ---                      0.0
 Aroclor-1268 4      ---                     0.0      4     ---                      0.0
            Col1Ave: <3 Quant Peaks                    Col2Ave: <3 Quant Peaks




 Total PCB Area Col1 (5.932 - 13.801) =    374574     Col1 Total PCB = 0.1 ppm*
```

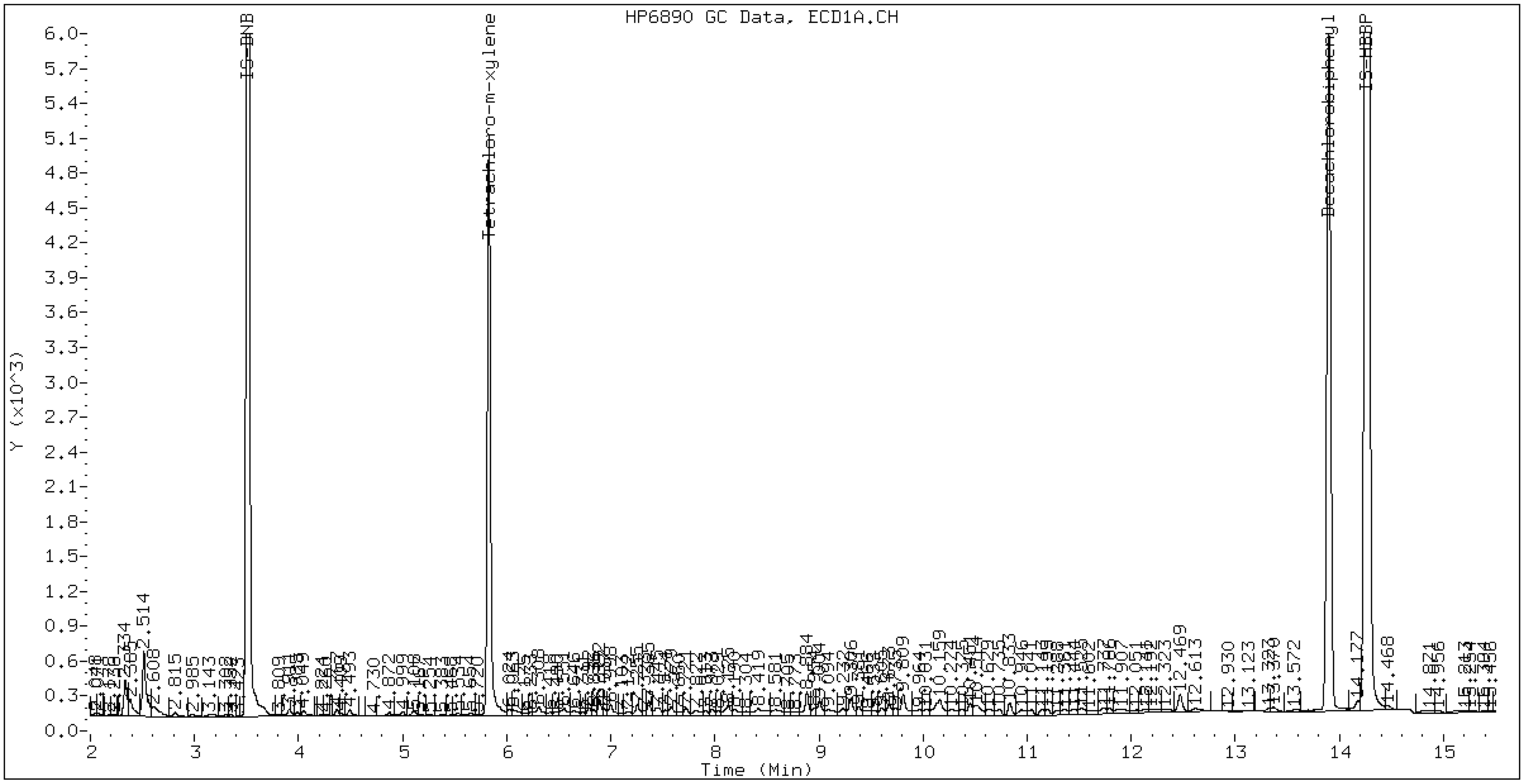
```
Total PCB Area Col2 (5.810 - 14.030) =     155098     Col2 Total PCB = 0.0 ppm*

  *  Quantitated against AR1660 0.25ppm in Ical

                                    PCB-Form 10 Mod.
```

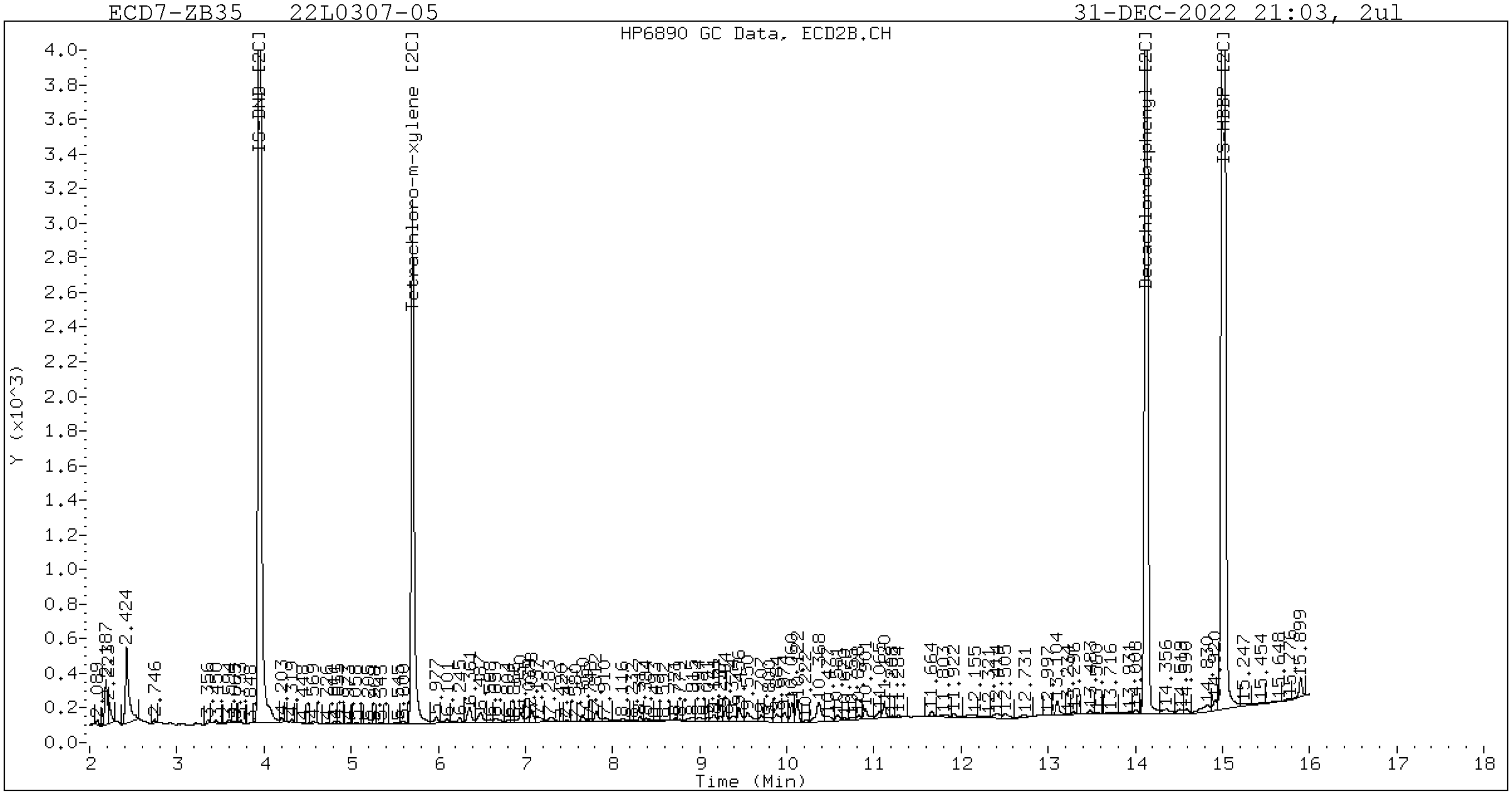
PCB Dual Column Chromatograms

ECD7-ZB5 22L0307-05 31-DEC-2022 21:03, 2ul



ZB-5 Manual Integration: NO

ECD7-ZB35 22L0307-05 31-DEC-2022 21:03, 2ul



ZB-35 Manual Integration: NO

LDW22-IT793E

Dual Column

ORGANIC ANALYSIS DATA SHEET
EPA 8082A

Laboratory: Analytical Resources, LLC

SDG: 22L0307

Client: Anchor QEA, LLC

Project: AOC4 UR Phase 3

Matrix:	Solid	Laboratory ID:	22L0307-06 B	File ID:	12312233ECD7.D
Sampled:	12/12/22 08:26	Prepared:	12/27/22 14:11	Analyzed:	12/31/22 21:24
% Solids:	76.98	Preparation:	EPA 3546 (Microwave)	Initial/Final:	16.26 g Wet / 2.5 mL
Batch:	BKL0581	Sequence:	SLA0071	Calibration:	FL00010
Instrument:	ECD7	Column 1:	ZB5	Column 2:	ZB35

CAS NO.	COMPOUND	Col #	DILUTION	CONC. (ug/kg dry)	MDL	MRL	Q
12674-11-2	Aroclor 1016	1	1	4.0	1.6	4.0	U
11104-28-2	Aroclor 1221	1	1	4.0	1.6	4.0	U
11141-16-5	Aroclor 1232	1	1	4.0	1.6	4.0	U
53469-21-9	Aroclor 1242	1	1	4.0	1.6	4.0	U
12672-29-6	Aroclor 1248	1	1	4.0	1.6	4.0	U
11097-69-1	Aroclor 1254	1	1	4.0	1.6	4.0	U
11096-82-5	Aroclor 1260	1	1	4.0	0.6	4.0	U

SURROGATES	Col #	ADDED (ug/kg dry)	CONC (ug/kg dry)	% REC	QC LIMITS	Q
Decachlorobiphenyl	*1*	*7.9892*	*7.55*	*94.5*	*40 - 126*	
Tetrachlorometaxylene	*1*	*7.9892*	*6.04*	*75.6*	*44 - 120*	

```
                                  Analytical Resources Inc.
                            Dual Column 608/8082 PCB Quantitation Report

 Data file 1: /221231.b/12312233ECD7.D                        ARI ID: 22L0307-06
 Data file 2: /221231.b/221231.b/12312233ECD7.D               Client ID:
 Method: \\target\share\chem4\ecd7.i\221231.b\PCB.m           Injection Date: 31-DEC-2022 21:24
 Compound Sublist: PCB.sub                                    Report Date: 01/05/2023 17:04
 Instrument, Inj. Vol.: ecd7.i, 2ul                           Matrix: NONE
 Quant Method: Internal Std                                   Dilution Factor:  1.0



                                     SURROGATES

        ZB5 Col           |        ZB35 Col          |   ZB5    ZB35
   RT    Shift Response | RT    Shift  Response  |  on col  on col    RPD   Compound/Flag
 ==========================================================================================

  5.830 -0.002   218787 | 5.707  -0.003   140896|   30.2    31.0      2.5    Tetrachloro-m-xylene
 13.899 -0.002   329726 |14.127  -0.003   275950|   37.8    37.7      0.3    Decachlorobiphenyl


*  Indicates RPD > 40%



                                INTERNAL STANDARD SUMMARY

                                            Column 1
                                     Standard    Sample
                  Standard Cpnd       Area*       Area      %D
              -------------------------------------------------
                Bromo-Nitrobenzene    447645      510652   14.1
                Hexabromobiphenyl     798898      951376   19.1

                                            Column 2
                                     Standard    Sample
                  Standard Cpnd       Area*       Area      %D
              -------------------------------------------------
                Bromo-Nitrobenzene    249094     331679    33.2
                Hexabromobiphenyl     362541     515512    42.2


               * Standard Areas taken from Initial Cal Level 3
                 Initial Calibration Date: 03-DEC-2022
              <- Indicates standard response outside Limits (-50 to +100%)
```

```
//target/share/chem4/ecd7.i/221231.b/12312233ECD7.D      22L0307-06                        page 2
                             ZB5 Col                          ZB35 Col
 Aroclor   Peak#    RT    Shift   Area     Amount    Peak#   RT     Shift    Area   Amount
 ========================================================================================
 Aroclor-1016 1      ---                     0.0      1     ---                      0.0
 Aroclor-1016 2      ---                     0.0      2     ---                      0.0
 Aroclor-1016 3      ---                     0.0      3     ---                      0.0
 Aroclor-1016 4      ---                     0.0      4     ---                      0.0
             Col1Ave: <3 Quant Peaks                   Col2Ave: <3 Quant Peaks

 Aroclor-1221 1      ---                     0.0      1     ---                      0.0
 Aroclor-1221 2      ---                     0.0      2     ---                      0.0
 Aroclor-1221 3      ---                     0.0      3     ---                      0.0
             Col1Ave: <3 Quant Peaks                   Col2Ave: <3 Quant Peaks

 Aroclor-1232 1      ---                     0.0      1     ---                      0.0
 Aroclor-1232 2      ---                     0.0      2     ---                      0.0
 Aroclor-1232 3      ---                     0.0      3     ---                      0.0
 Aroclor-1232 4      ---                     0.0      4     ---                      0.0
             Col1Ave: <3 Quant Peaks                   Col2Ave: <3 Quant Peaks

 Aroclor-1242 1      ---                     0.0      1     ---                      0.0
 Aroclor-1242 2      ---                     0.0      2     ---                      0.0
 Aroclor-1242 3      ---                     0.0      3     ---                      0.0
 Aroclor-1242 4      ---                     0.0      4     ---                      0.0
             Col1Ave: <3 Quant Peaks                   Col2Ave: <3 Quant Peaks

 Aroclor-1248 1      ---                     0.0      1     ---                      0.0
 Aroclor-1248 2      ---                     0.0      2     ---                      0.0
 Aroclor-1248 3      ---                     0.0      3     ---                      0.0
 Aroclor-1248 4      ---                     0.0      4     ---                      0.0
             Col1Ave: <3 Quant Peaks                   Col2Ave: <3 Quant Peaks

 Aroclor-1254 1      ---                     0.0      1     ---                      0.0
 Aroclor-1254 2      ---                     0.0      2     ---                      0.0
 Aroclor-1254 3      ---                     0.0      3     ---                      0.0
 Aroclor-1254 4      ---                     0.0      4     ---                      0.0
 Aroclor-1254 5      ---                     0.0      5     ---                      0.0
             Col1Ave: <3 Quant Peaks                   Col2Ave: <3 Quant Peaks

 Aroclor-1260 1      ---                     0.0      1     ---                      0.0
 Aroclor-1260 2      ---                     0.0      2     ---                      0.0
 Aroclor-1260 3      ---                     0.0      3     ---                      0.0
 Aroclor-1260 4      ---                     0.0      4     ---                      0.0
 Aroclor-1260 5      ---                     0.0      NS    ---                     ----
             Col1Ave: <3 Quant Peaks                   Col2Ave: <3 Quant Peaks

 Aroclor-1262 1      ---                     0.0      1     ---                      0.0
 Aroclor-1262 2      ---                     0.0      2     ---                      0.0
 Aroclor-1262 3      ---                     0.0      3     ---                      0.0
 Aroclor-1262 4      ---                     0.0      4     ---                      0.0
             Col1Ave: <3 Quant Peaks                   Col2Ave: <3 Quant Peaks

 Aroclor-1268 1      ---                     0.0      1     ---                      0.0
 Aroclor-1268 2      ---                     0.0      2     ---                      0.0
 Aroclor-1268 3      ---                     0.0      3     ---                      0.0
 Aroclor-1268 4      ---                     0.0      4     ---                      0.0
             Col1Ave: <3 Quant Peaks                   Col2Ave: <3 Quant Peaks




 Total PCB Area Col1 (5.932 - 13.801) =     186857     Col1 Total PCB = 0.0 ppm*
```

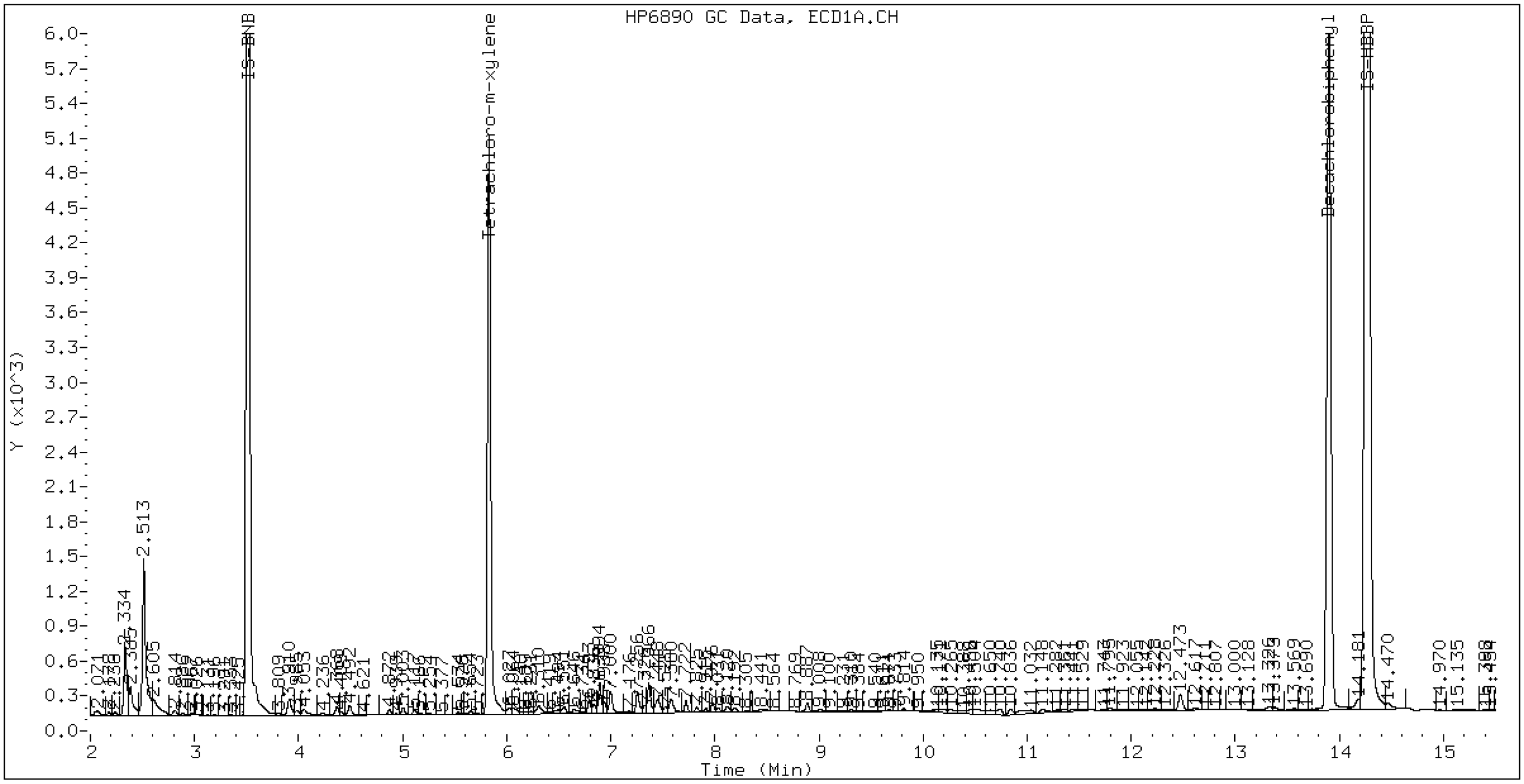
```
Total PCB Area Col2 (5.810 - 14.030) =     130936     Col2 Total PCB = 0.0 ppm*

  *  Quantitated against AR1660 0.25ppm in Ical

                                    PCB-Form 10 Mod.
```

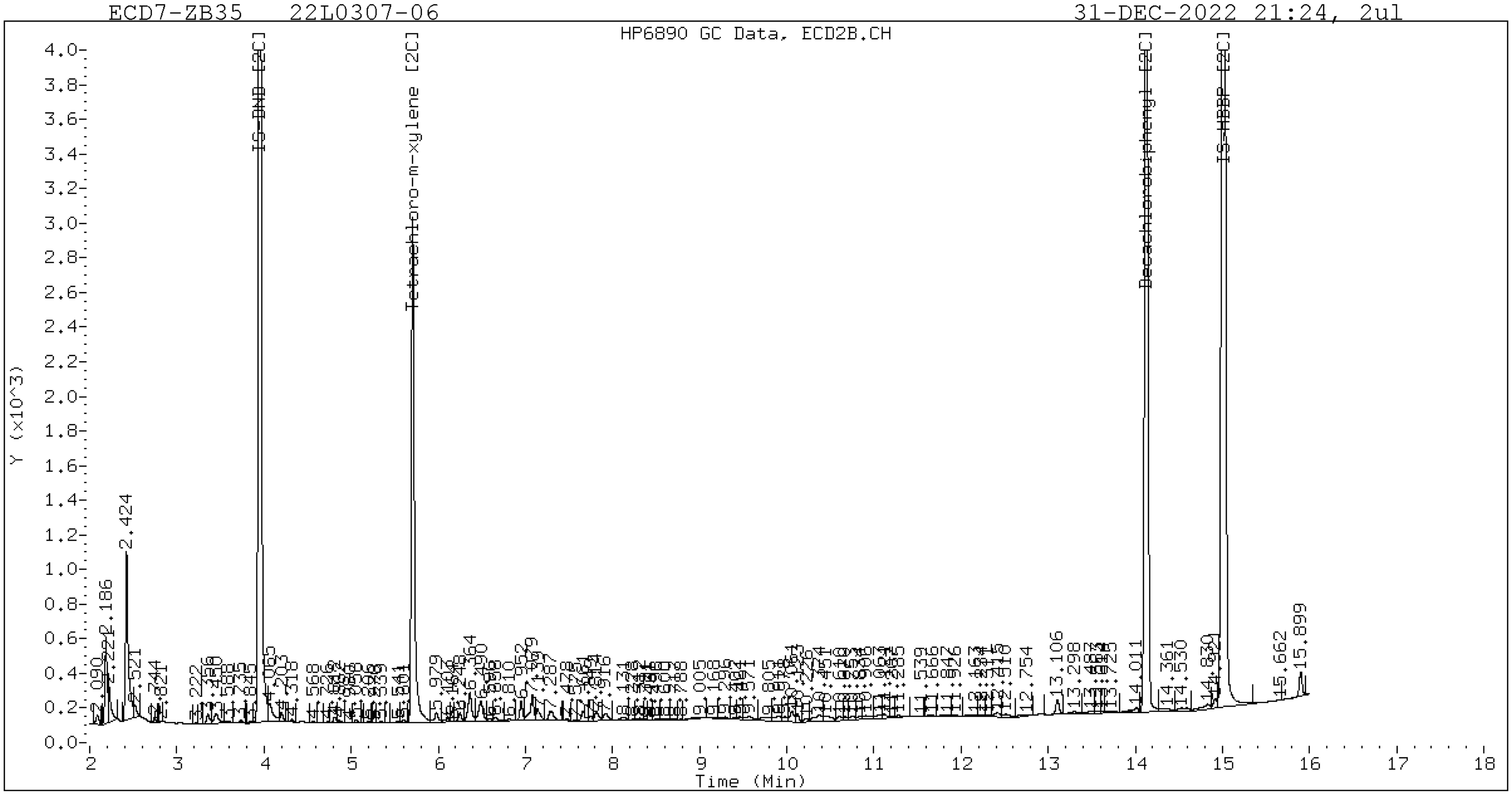
PCB Dual Column Chromatograms

ECD7-ZB5 22L0307-06 31-DEC-2022 21:24, 2ul



ZB-5 Manual Integration: NO

ECD7-ZB35 22L0307-06 31-DEC-2022 21:24, 2ul



ZB-35 Manual Integration: NO

LDW22-IT793F

Dual Column

ORGANIC ANALYSIS DATA SHEET
EPA 8082A

Laboratory:	Analytical Resources, LLC			SDG:	22L0307
Client:	Anchor QEA, LLC				
Project:	AOC4 UR Phase 3				
Matrix:	Solid	Laboratory ID:	22L0307-07 B	File ID:	12312234ECD7.D
Sampled:	12/12/22 08:26	Prepared:	12/27/22 14:11	Analyzed:	12/31/22 21:45
% Solids:	77.66	Preparation:	EPA 3546 (Microwave)	Initial/Final:	16.16 g Wet / 2.5 mL
Batch:	BKL0581	Sequence:	SLA0071	Calibration:	FL00010
Instrument:	ECD7	Column 1:	ZB5	Column 2:	ZB35

CAS NO.	COMPOUND	Col #	DILUTION	CONC. (ug/kg dry)	MDL	MRL	Q
12674-11-2	Aroclor 1016	1	1	4.0	1.6	4.0	U
11104-28-2	Aroclor 1221	1	1	4.0	1.6	4.0	U
11141-16-5	Aroclor 1232	1	1	4.0	1.6	4.0	U
53469-21-9	Aroclor 1242	1	1	4.0	1.6	4.0	U
12672-29-6	Aroclor 1248	1	1	4.0	1.6	4.0	U
11097-69-1	Aroclor 1254	1	1	4.0	1.6	4.0	U
11096-82-5	Aroclor 1260	1	1	4.0	0.6	4.0	U

SURROGATES	Col #	ADDED (ug/kg dry)	CONC (ug/kg dry)	% REC	QC LIMITS	Q
Decachlorobiphenyl	*1*	*7.9682*	*7.86*	*98.7*	*40 - 126*	
Tetrachlorometaxylene	*1*	*7.9682*	*6.48*	*81.4*	*44 - 120*	

```
                               Analytical Resources Inc.
                          Dual Column 608/8082 PCB Quantitation Report

 Data file 1: /221231.b/12312234ECD7.D                   ARI ID: 22L0307-07
 Data file 2: /221231.b/221231.b/12312234ECD7.D          Client ID:
 Method: \\target\share\chem4\ecd7.i\221231.b\PCB.m      Injection Date: 31-DEC-2022 21:45
 Compound Sublist: PCB.sub                               Report Date: 01/05/2023 17:04
 Instrument, Inj. Vol.: ecd7.i, 2ul                      Matrix: NONE
 Quant Method: Internal Std                              Dilution Factor:  1.0



                                  SURROGATES

        ZB5 Col         |       ZB35 Col         |   ZB5    ZB35
   RT    Shift Response | RT    Shift  Response  |  on col  on col    RPD   Compound/Flag
 ========================================================================================

  5.830 -0.002   229548 | 5.706  -0.004   146001|   32.5    31.5      3.2    Tetrachloro-m-xylene
 13.900 -0.001   363738 |14.127  -0.003   301564|   39.5    40.1      1.5    Decachlorobiphenyl


*  Indicates RPD > 40%



                             INTERNAL STANDARD SUMMARY

                                         Column 1
                                  Standard    Sample
                Standard Cpnd       Area*       Area      %D
            --------------------------------------------------
              Bromo-Nitrobenzene    447645      497800   11.2
              Hexabromobiphenyl     798898     1005074   25.8

                                         Column 2
                                  Standard    Sample
                Standard Cpnd       Area*       Area      %D
            --------------------------------------------------
              Bromo-Nitrobenzene    249094     337982    35.7
              Hexabromobiphenyl     362541     530156    46.2


             * Standard Areas taken from Initial Cal Level 3
               Initial Calibration Date: 03-DEC-2022
            <- Indicates standard response outside Limits (-50 to +100%)
```

```
                             ZB5 Col                          ZB35 Col
 Aroclor   Peak#    RT    Shift    Area    Amount    Peak#   RT    Shift    Area   Amount
 ========================================================================================
 Aroclor-1016 1      ---                     0.0      1     ---                     0.0
 Aroclor-1016 2      ---                     0.0      2     ---                     0.0
 Aroclor-1016 3      ---                     0.0      3     ---                     0.0
 Aroclor-1016 4      ---                     0.0      4     ---                     0.0
             Col1Ave: <3 Quant Peaks                   Col2Ave: <3 Quant Peaks

 Aroclor-1221 1      ---                     0.0      1     ---                     0.0
 Aroclor-1221 2      ---                     0.0      2     ---                     0.0
 Aroclor-1221 3      ---                     0.0      3     ---                     0.0
             Col1Ave: <3 Quant Peaks                   Col2Ave: <3 Quant Peaks

 Aroclor-1232 1      ---                     0.0      1     ---                     0.0
 Aroclor-1232 2      ---                     0.0      2     ---                     0.0
 Aroclor-1232 3      ---                     0.0      3     ---                     0.0
 Aroclor-1232 4      ---                     0.0      4     ---                     0.0
             Col1Ave: <3 Quant Peaks                   Col2Ave: <3 Quant Peaks

 Aroclor-1242 1      ---                     0.0      1     ---                     0.0
 Aroclor-1242 2      ---                     0.0      2     ---                     0.0
 Aroclor-1242 3      ---                     0.0      3     ---                     0.0
 Aroclor-1242 4      ---                     0.0      4     ---                     0.0
             Col1Ave: <3 Quant Peaks                   Col2Ave: <3 Quant Peaks

 Aroclor-1248 1      ---                     0.0      1     ---                     0.0
 Aroclor-1248 2      ---                     0.0      2     ---                     0.0
 Aroclor-1248 3      ---                     0.0      3     ---                     0.0
 Aroclor-1248 4      ---                     0.0      4     ---                     0.0
             Col1Ave: <3 Quant Peaks                   Col2Ave: <3 Quant Peaks

 Aroclor-1254 1      ---                     0.0      1     ---                     0.0
 Aroclor-1254 2      ---                     0.0      2     ---                     0.0
 Aroclor-1254 3      ---                     0.0      3     ---                     0.0
 Aroclor-1254 4      ---                     0.0      4     ---                     0.0
 Aroclor-1254 5      ---                     0.0      5     ---                     0.0
             Col1Ave: <3 Quant Peaks                   Col2Ave: <3 Quant Peaks

 Aroclor-1260 1      ---                     0.0      1     ---                     0.0
 Aroclor-1260 2      ---                     0.0      2     ---                     0.0
 Aroclor-1260 3      ---                     0.0      3     ---                     0.0
 Aroclor-1260 4      ---                     0.0      4     ---                     0.0
 Aroclor-1260 5      ---                     0.0      NS    ---                    ----
             Col1Ave: <3 Quant Peaks                   Col2Ave: <3 Quant Peaks

 Aroclor-1262 1      ---                     0.0      1     ---                     0.0
 Aroclor-1262 2      ---                     0.0      2     ---                     0.0
 Aroclor-1262 3      ---                     0.0      3     ---                     0.0
 Aroclor-1262 4      ---                     0.0      4     ---                     0.0
             Col1Ave: <3 Quant Peaks                   Col2Ave: <3 Quant Peaks

 Aroclor-1268 1      ---                     0.0      1     ---                     0.0
 Aroclor-1268 2      ---                     0.0      2     ---                     0.0
 Aroclor-1268 3      ---                     0.0      3     ---                     0.0
 Aroclor-1268 4      ---                     0.0      4     ---                     0.0
             Col1Ave: <3 Quant Peaks                   Col2Ave: <3 Quant Peaks




 Total PCB Area Col1 (5.932 - 13.801) =     183946     Col1 Total PCB = 0.0 ppm*
```

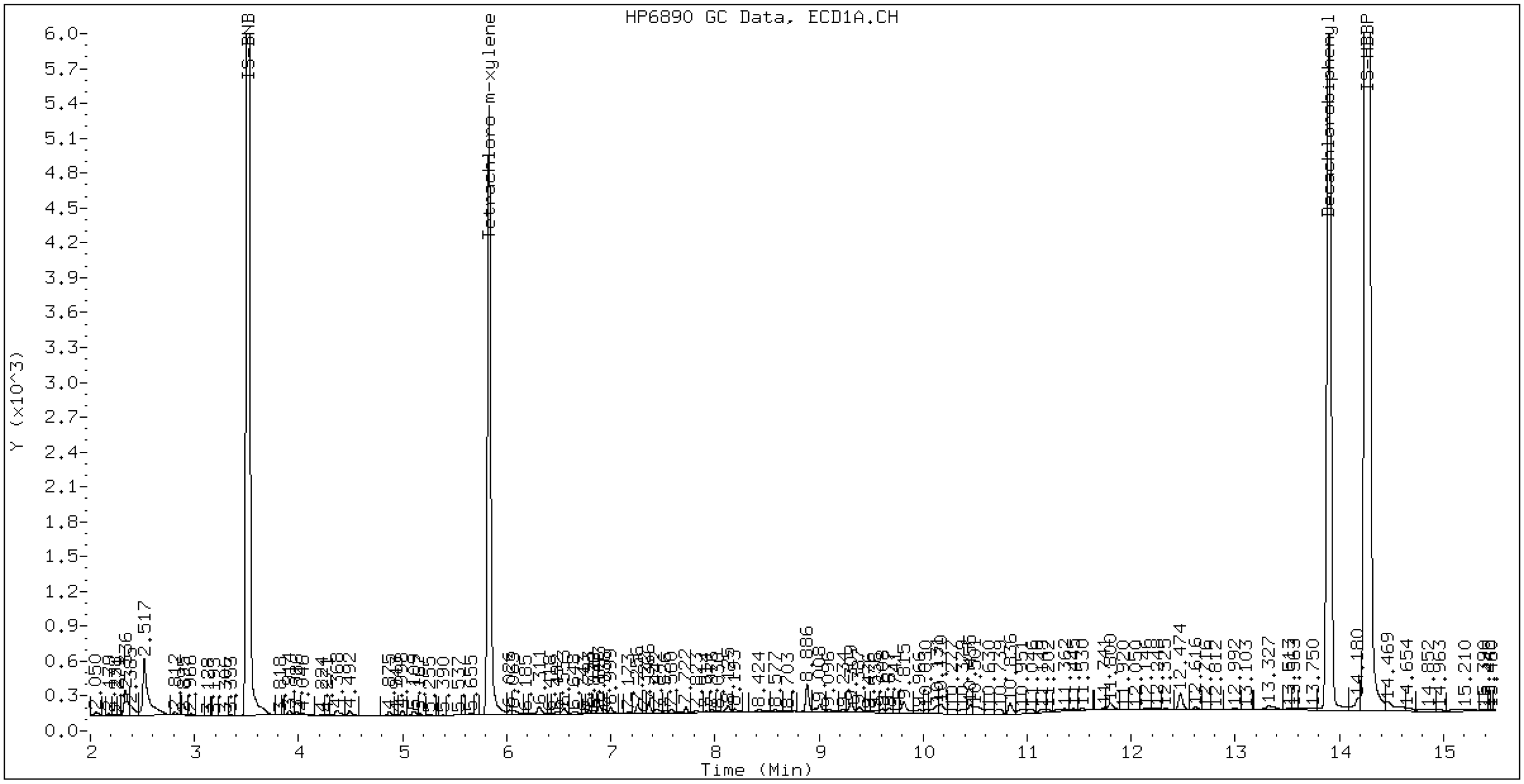
```
Total PCB Area Col2 (5.810 - 14.030) =      89824     Col2 Total PCB = 0.0 ppm*

  *  Quantitated against AR1660 0.25ppm in Ical

                                        PCB-Form 10 Mod.
```

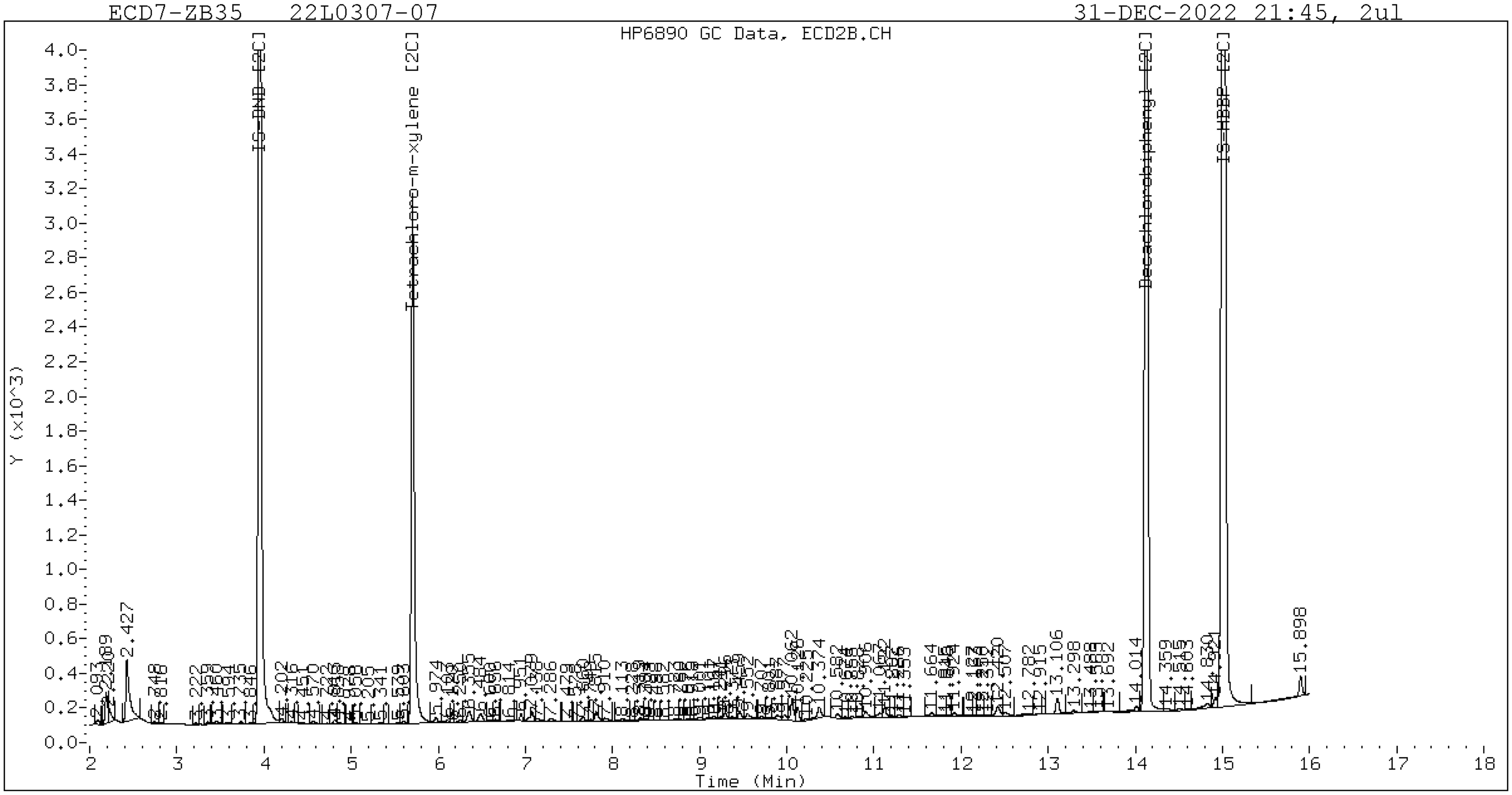
PCB Dual Column Chromatograms

ECD7-ZB5 22L0307-07 31-DEC-2022 21:45, 2ul



ZB-5 Manual Integration: NO

ECD7-ZB35 22L0307-07 31-DEC-2022 21:45, 2ul



ZB-35 Manual Integration: NO

LDW22-IT795B

Dual Column

ORGANIC ANALYSIS DATA SHEET
EPA 8082A

Laboratory:	Analytical Resources, LLC			SDG:	22L0307
Client:	Anchor QEA, LLC				
Project:	AOC4 UR Phase 3				
Matrix:	Solid	Laboratory ID:	22L0307-08 B	File ID:	01032306ECD7.D
Sampled:	12/12/22 07:47	Prepared:	12/27/22 14:11	Analyzed:	01/03/23 10:02
% Solids:	69.33	Preparation:	EPA 3546 (Microwave)	Initial/Final:	18.07 g Wet / 2.5 mL
Batch:	BKL0581	Sequence:	SLA0079	Calibration:	FL00010
Instrument:	ECD7	Column 1:	ZB5	Column 2:	ZB35

CAS NO.	COMPOUND	Col #	DILUTION	CONC. (ug/kg dry)	MDL	MRL	Q
12674-11-2	Aroclor 1016	1	10	39.9	15.6	39.9	U
11104-28-2	Aroclor 1221	1	10	39.9	15.6	39.9	U
11141-16-5	Aroclor 1232	1	10	39.9	15.6	39.9	U
53469-21-9	Aroclor 1242	1	10	39.9	15.6	39.9	U
12672-29-6	Aroclor 1248	1	10	39.9	15.6	39.9	U
11097-69-1	Aroclor 1254	2	10	1860	15.6	39.9	D
11096-82-5	Aroclor 1260	1	10	292	5.9	39.9	D

SURROGATES	Col #	ADDED (ug/kg dry)	CONC (ug/kg dry)	% REC	QC LIMITS	Q
Decachlorobiphenyl	*1*	*7.9822*	*10.2*	*128*	*40 - 126*	*
Tetrachlorometaxylene	*1*	*7.9822*	*7.94*	*99.5*	*44 - 120*	
Decachlorobiphenyl	*2*	*7.9822*	*9.08*	*114*	*40 - 126*	
Tetrachlorometaxylene	*2*	*7.9822*	*7.95*	*99.6*	*44 - 120*	

```
                              Analytical Resources Inc.
                         Dual Column 608/8082 PCB Quantitation Report

Data file 1: /230103.b/01032306ECD7.D                   ARI ID: 22L0307-08RE1
Data file 2: /230103.b/230103.b/01032306ECD7.D          Client ID:
Method: \\target\share\chem4\ecd7.i\230103.b\PCB.m      Injection Date: 03-JAN-2023 10:02
Compound Sublist: PCB.sub                               Report Date: 01/06/2023 17:10
Instrument, Inj. Vol.: ecd7.i, 2ul                      Matrix: NONE
Quant Method: Internal Std                              Dilution Factor: 10.0



                                 SURROGATES

       ZB5 Col          |        ZB35 Col         |   ZB5    ZB35
  RT    Shift Response  | RT    Shift  Response   |  on col  on col    RPD   Compound/Flag
==========================================================================================

  5.830 -0.001    24817 | 5.707  -0.001    16835|    4.0     4.0      0.1    Tetrachloro-m-xylene
 13.902 -0.001    43637 |14.128  -0.002    32132|    5.1     4.5     11.9    Decachlorobiphenyl


*  Indicates RPD > 40%




                            INTERNAL STANDARD SUMMARY

                                        Column 1
                                 Standard    Sample
                 Standard Cpnd       Area*       Area      %D
              --------------------------------------------------
                Bromo-Nitrobenzene    447645      440076   -1.7
                Hexabromobiphenyl     798898      928721   16.3

                                        Column 2
                                 Standard    Sample
                 Standard Cpnd       Area*       Area      %D
              --------------------------------------------------
                Bromo-Nitrobenzene    249094     308181    23.7
                Hexabromobiphenyl     362541     497495    37.2


               * Standard Areas taken from Initial Cal Level 3
                 Initial Calibration Date: 03-DEC-2022
              <- Indicates standard response outside Limits (-50 to +100%)
```

```
//target/share/chem4/ecd7.i/230103.b/01032306ECD7.D      22L0307-08RE1                        page 2
                             ZB5 Col                          ZB35 Col
 Aroclor   Peak#    RT    Shift    Area    Amount    Peak#   RT     Shift    Area   Amount
 ========================================================================================
 Aroclor-1016 1      ---                     0.0      1     ---                      0.0
 Aroclor-1016 2      ---                     0.0      2     ---                      0.0
 Aroclor-1016 3      ---                     0.0      3     ---                      0.0
 Aroclor-1016 4      ---                     0.0      4     ---                      0.0
             Col1Ave: <3 Quant Peaks                   Col2Ave: <3 Quant Peaks

 Aroclor-1221 1      ---                     0.0      1     ---                      0.0
 Aroclor-1221 2      ---                     0.0      2     ---                      0.0
 Aroclor-1221 3      ---                     0.0      3     ---                      0.0
             Col1Ave: <3 Quant Peaks                   Col2Ave: <3 Quant Peaks

 Aroclor-1232 1      ---                     0.0      1     ---                      0.0
 Aroclor-1232 2      ---                     0.0      2     ---                      0.0
 Aroclor-1232 3      ---                     0.0      3     ---                      0.0
 Aroclor-1232 4      ---                     0.0      4     ---                      0.0
             Col1Ave: <3 Quant Peaks                   Col2Ave: <3 Quant Peaks

 Aroclor-1242 1      ---                     0.0      1     ---                      0.0
 Aroclor-1242 2      ---                     0.0      2     ---                      0.0
 Aroclor-1242 3      ---                     0.0      3     ---                      0.0
 Aroclor-1242 4      ---                     0.0      4     ---                      0.0
             Col1Ave: <3 Quant Peaks                   Col2Ave: <3 Quant Peaks

 Aroclor-1248 1      ---                     0.0      1     ---                      0.0
 Aroclor-1248 2      ---                     0.0      2     ---                      0.0
 Aroclor-1248 3      ---                     0.0      3     ---                      0.0
 Aroclor-1248 4      ---                     0.0      4     ---                      0.0
             Col1Ave: <3 Quant Peaks                   Col2Ave: <3 Quant Peaks

 Aroclor-1254 1   9.309  -0.006    318272   821.4      1    9.457  -0.004   165517   833.0
 Aroclor-1254 2   9.385  -0.008    145964   968.6      2    9.976  -0.002   129665   811.7
 Aroclor-1254 3   9.675  -0.012    215536   880.7      3   10.127  -0.002   302780   881.8
 Aroclor-1254 4   9.811  -0.010    422051   884.7      4   10.373  -0.006   370942  1043.1
 Aroclor-1254 5  10.143  -0.033    210861   644.8      5   10.574  -0.003   186085  1084.9
       Total Col1Ave (5 peaks):   840.1       Total Col2Ave (5 peaks):   930.9   RPD = 10
       Corrected Ave (4 peaks):   807.9       Corrected Ave (4 peaks):   892.4   RPD = 10

 Aroclor-1260 1  11.052  -0.003     51776   153.2      1   11.663   0.001   118760   452.2
 Aroclor-1260 2  11.371  -0.001     53697   153.6      2   11.925  -0.001   105965   160.8
 Aroclor-1260 3  11.741  -0.005    127771   139.1      3   12.444   0.000    17962   102.4
 Aroclor-1260 4  12.145  -0.004     91343   195.2      4   12.506  -0.003    65040   148.1
 Aroclor-1260 5  12.254  -0.002     17300    90.3      NS    ---                     ----
       Total Col1Ave (5 peaks):   146.3       Total Col2Ave (4 peaks):   215.9   RPD = 38
       Corrected Ave (4 peaks):   134.0       Corrected Ave (3 peaks):   137.1   RPD = 2

 Aroclor-1262 1      ---                     0.0      1     ---                      0.0
 Aroclor-1262 2      ---                     0.0      2     ---                      0.0
 Aroclor-1262 3      ---                     0.0      3     ---                      0.0
 Aroclor-1262 4      ---                     0.0      4     ---                      0.0
             Col1Ave: <3 Quant Peaks                   Col2Ave: <3 Quant Peaks

 Aroclor-1268 1      ---                     0.0      1     ---                      0.0
 Aroclor-1268 2      ---                     0.0      2     ---                      0.0
 Aroclor-1268 3      ---                     0.0      3     ---                      0.0
 Aroclor-1268 4      ---                     0.0      4     ---                      0.0
             Col1Ave: <3 Quant Peaks                   Col2Ave: <3 Quant Peaks
```

```
Total PCB Area Col1 (5.931 - 13.803) =    5161218     Col1 Total PCB = 1.2 ppm*

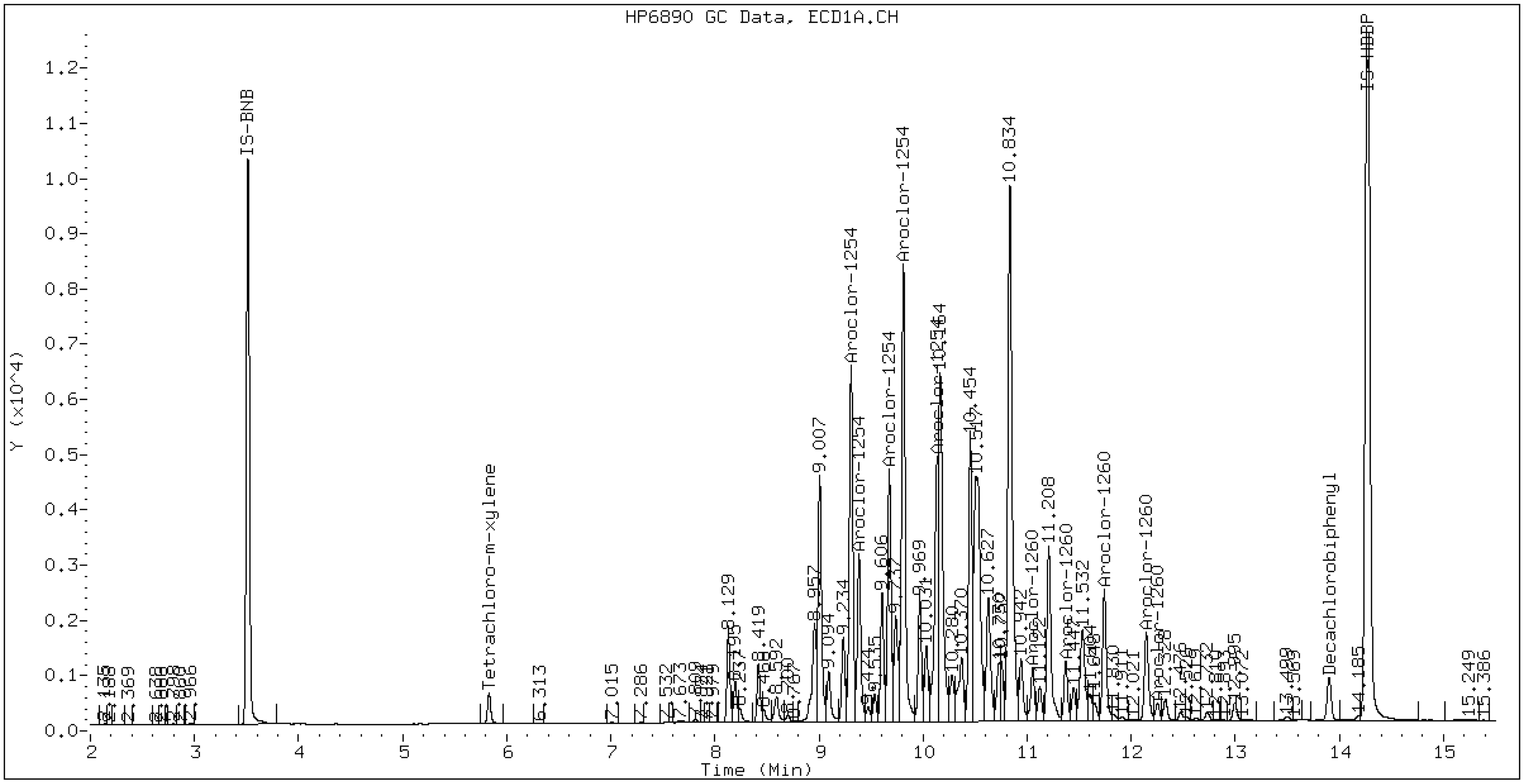
Total PCB Area Col2 (5.808 - 14.029) =    3241014     Col2 Total PCB = 1.1 ppm*


  *  Quantitated against AR1660 0.25ppm in Ical
```

PCB-Form 10 Mod.

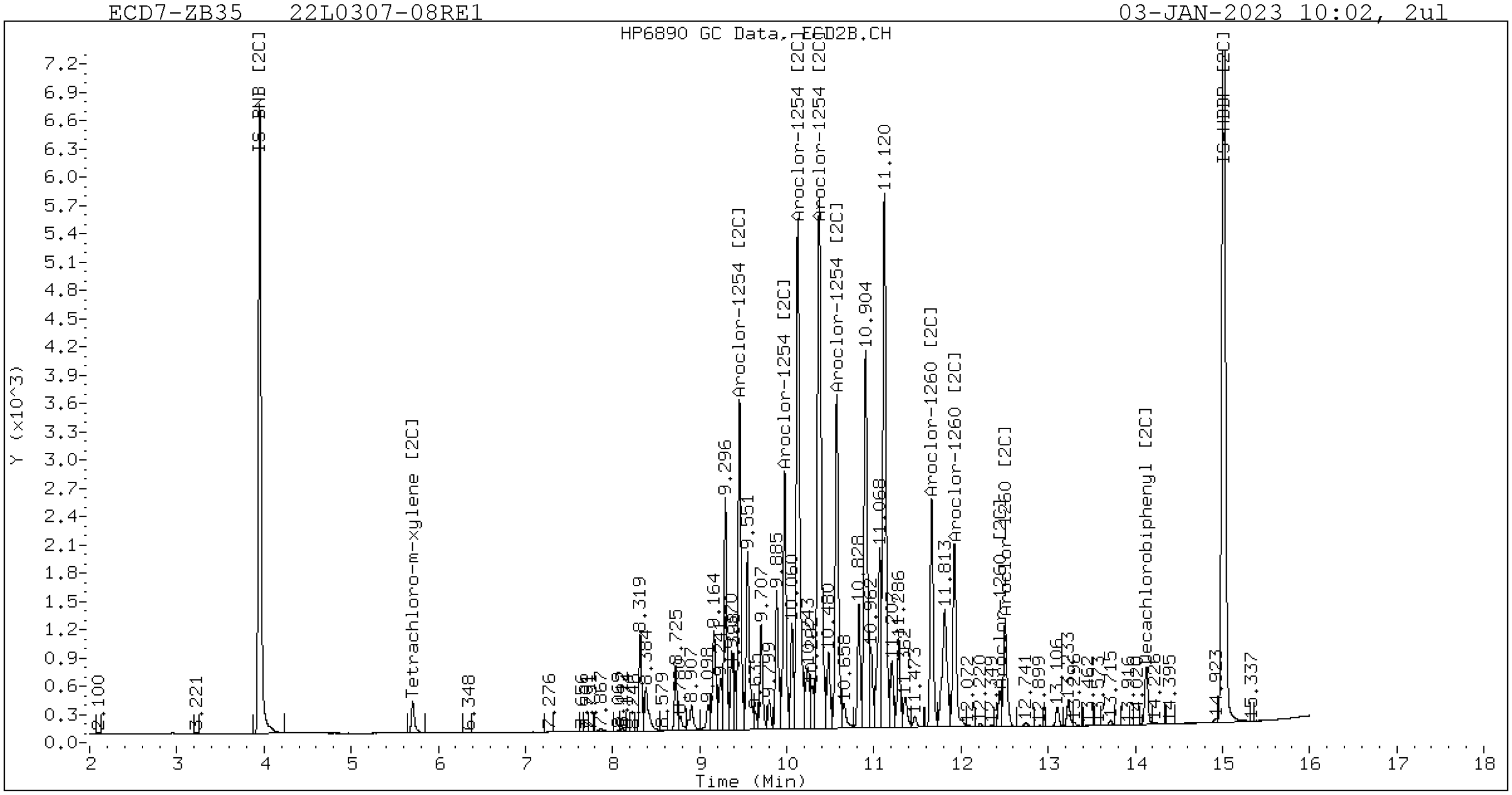
PCB Dual Column Chromatograms

ECD7-ZB5 22L0307-08RE1 03-JAN-2023 10:02, 2ul



ZB-5 Manual Integration: YES

ECD7-ZB35 22L0307-08RE1 03-JAN-2023 10:02, 2ul

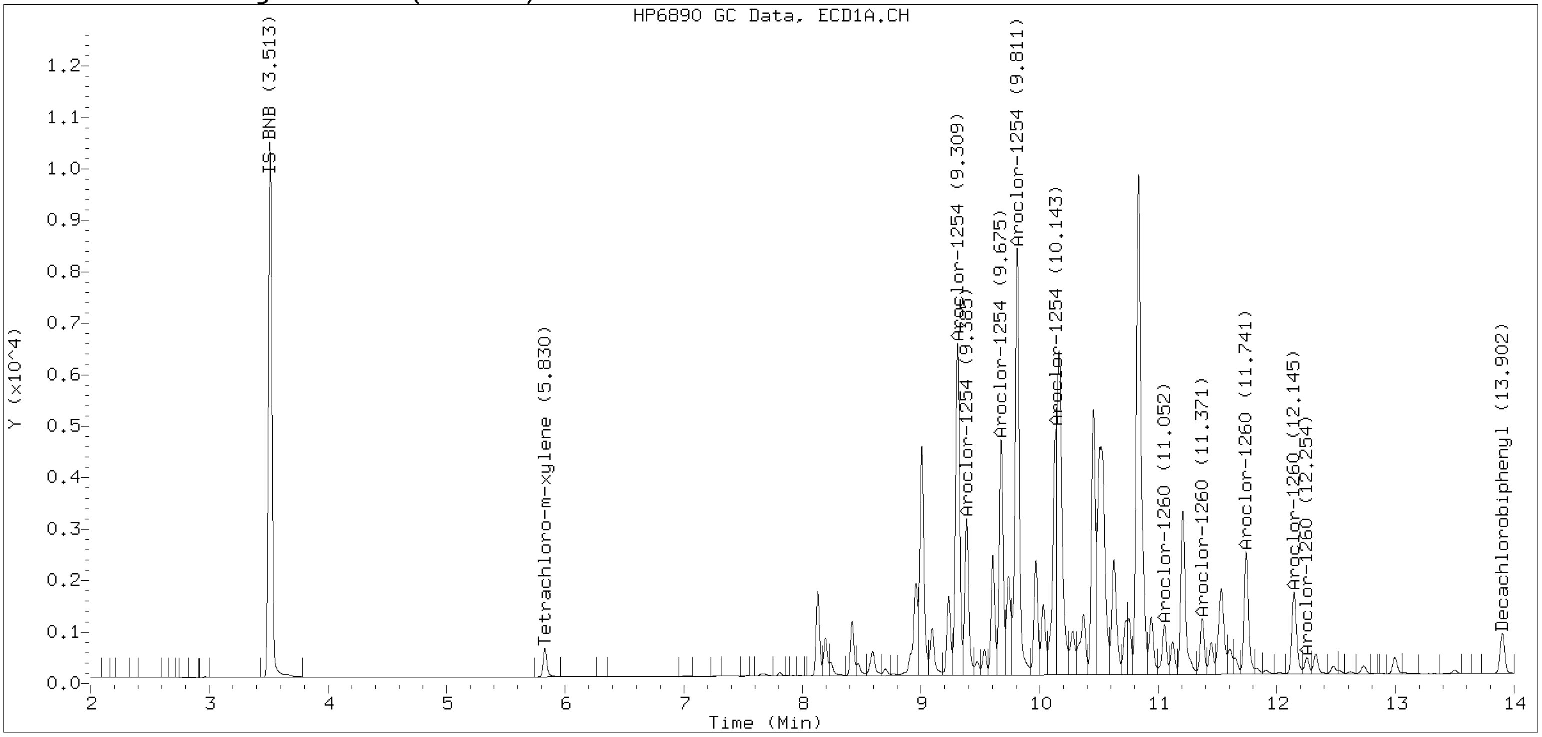


ZB-35 Manual Integration: NO

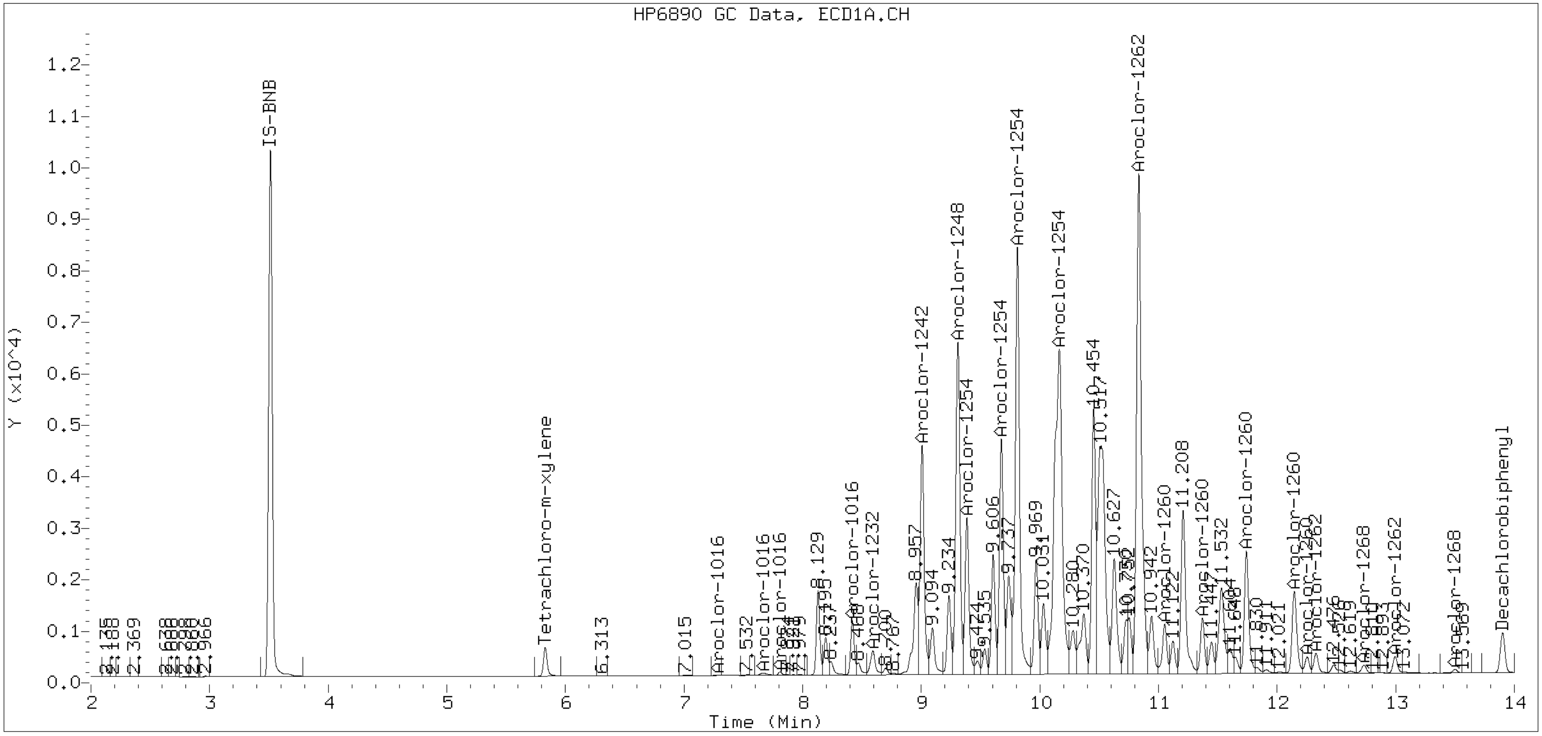
Manual Peak Adjustment, ZB-5

Datafile: ecd7.i/230103.b/01032306ECD7.D   Injection Date: 03-JAN-2023 10:02

Manual Integration (After)



Processed Integration (Before)



LDW22-IT795C

Dual Column

ORGANIC ANALYSIS DATA SHEET
EPA 8082A

Laboratory: Analytical Resources, LLC
SDG: 22L0307
Client: Anchor QEA, LLC
Project: AOC4 UR Phase 3

Matrix:	Solid	Laboratory ID:	22L0307-09 B	File ID:	01032307ECD7.D
Sampled:	12/12/22 07:47	Prepared:	12/27/22 14:11	Analyzed:	01/03/23 10:23
% Solids:	70.57	Preparation:	EPA 3546 (Microwave)	Initial/Final:	17.87 g Wet / 2.5 mL
Batch:	BKL0581	Sequence:	SLA0079	Calibration:	FL00010
Instrument:	ECD7	Column 1:	ZB5	Column 2:	ZB35

CAS NO.	COMPOUND	Col #	DILUTION	CONC. (ug/kg dry)	MDL	MRL	Q
12674-11-2	Aroclor 1016	1	5	19.8	7.7	19.8	U
11104-28-2	Aroclor 1221	1	5	19.8	7.7	19.8	U
11141-16-5	Aroclor 1232	1	5	19.8	7.7	19.8	U
53469-21-9	Aroclor 1242	1	5	19.8	7.7	19.8	U
12672-29-6	Aroclor 1248	1	5	19.8	7.7	19.8	U
11097-69-1	Aroclor 1254	1	5	307	7.7	19.8	D
11096-82-5	Aroclor 1260	1	5	36.6	2.9	19.8	D

SURROGATES	Col #	ADDED (ug/kg dry)	CONC (ug/kg dry)	% REC	QC LIMITS	Q
Decachlorobiphenyl	*1*	*7.9297*	*9.55*	*120*	*40 - 126*	
Tetrachlorometaxylene	*1*	*7.9297*	*7.91*	*99.7*	*44 - 120*	

```
                               Analytical Resources Inc.
                          Dual Column 608/8082 PCB Quantitation Report

 Data file 1: /230103.b/01032307ECD7.D                   ARI ID: 22L0307-09RE1
 Data file 2: /230103.b/230103.b/01032307ECD7.D          Client ID:
 Method: \\target\share\chem4\ecd7.i\230103.b\PCB.m      Injection Date: 03-JAN-2023 10:23
 Compound Sublist: PCB.sub                               Report Date: 01/06/2023 17:00
 Instrument, Inj. Vol.: ecd7.i, 2ul                      Matrix: NONE
 Quant Method: Internal Std                              Dilution Factor:  5.0



                                  SURROGATES

        ZB5 Col         |       ZB35 Col         |   ZB5    ZB35
   RT    Shift Response | RT    Shift  Response  |  on col  on col    RPD   Compound/Flag
 =========================================================================================

  5.831 -0.000    49943 | 5.708   0.001    32594|    8.0     7.7      3.7    Tetrachloro-m-xylene
 13.901 -0.002    88146 |14.127  -0.002    62690|    9.6     8.5     12.3    Decachlorobiphenyl


*  Indicates RPD > 40%



                             INTERNAL STANDARD SUMMARY

                                         Column 1
                                  Standard    Sample
                Standard Cpnd       Area*       Area      %D
            --------------------------------------------------
              Bromo-Nitrobenzene    447645      441818   -1.3
              Hexabromobiphenyl     798898      998086   24.9

                                         Column 2
                                  Standard    Sample
                Standard Cpnd       Area*       Area      %D
            --------------------------------------------------
              Bromo-Nitrobenzene    249094     309185    24.1
              Hexabromobiphenyl     362541     518413    43.0


             * Standard Areas taken from Initial Cal Level 3
               Initial Calibration Date: 03-DEC-2022
            <- Indicates standard response outside Limits (-50 to +100%)
```

```
//target/share/chem4/ecd7.i/230103.b/01032307ECD7.D      22L0307-09RE1                     page 2
                           ZB5 Col                                  ZB35 Col
 Aroclor   Peak#    RT    Shift    Area    Amount    Peak#   RT     Shift    Area   Amount
 ============================================================================================
 Aroclor-1016 1      ---                     0.0      1     ---                      0.0
 Aroclor-1016 2      ---                     0.0      2     ---                      0.0
 Aroclor-1016 3      ---                     0.0      3     ---                      0.0
 Aroclor-1016 4      ---                     0.0      4     ---                      0.0
             Col1Ave: <3 Quant Peaks                   Col2Ave: <3 Quant Peaks

 Aroclor-1221 1      ---                     0.0      1     ---                      0.0
 Aroclor-1221 2      ---                     0.0      2     ---                      0.0
 Aroclor-1221 3      ---                     0.0      3     ---                      0.0
             Col1Ave: <3 Quant Peaks                   Col2Ave: <3 Quant Peaks

 Aroclor-1232 1      ---                     0.0      1     ---                      0.0
 Aroclor-1232 2      ---                     0.0      2     ---                      0.0
 Aroclor-1232 3      ---                     0.0      3     ---                      0.0
 Aroclor-1232 4      ---                     0.0      4     ---                      0.0
             Col1Ave: <3 Quant Peaks                   Col2Ave: <3 Quant Peaks

 Aroclor-1242 1      ---                     0.0      1     ---                      0.0
 Aroclor-1242 2      ---                     0.0      2     ---                      0.0
 Aroclor-1242 3      ---                     0.0      3     ---                      0.0
 Aroclor-1242 4      ---                     0.0      4     ---                      0.0
             Col1Ave: <3 Quant Peaks                   Col2Ave: <3 Quant Peaks

 Aroclor-1248 1      ---                     0.0      1     ---                      0.0
 Aroclor-1248 2      ---                     0.0      2     ---                      0.0
 Aroclor-1248 3      ---                     0.0      3     ---                      0.0
 Aroclor-1248 4      ---                     0.0      4     ---                      0.0
             Col1Ave: <3 Quant Peaks                   Col2Ave: <3 Quant Peaks

 Aroclor-1254 1   9.307  -0.007    122171   314.1      1    9.457  -0.004    58935   295.6
 Aroclor-1254 2   9.385  -0.008     52086   344.3      2    9.976  -0.002    37794   235.8
 Aroclor-1254 3   9.675  -0.011     63103   256.8      3   10.126  -0.003    98232   285.1
 Aroclor-1254 4   9.810  -0.011    140692   293.8      4   10.373  -0.005   110916   310.9
 Aroclor-1254 5  10.168  -0.007    111124   338.5      5   10.575  -0.002    48603   282.5
       Total Col1Ave (5 peaks):   309.5      Total Col2Ave (5 peaks):   282.0   RPD = 9
       Corrected Ave (4 peaks):   300.8      Corrected Ave (4 peaks):   274.8   RPD = 9

 Aroclor-1260 1  11.052  -0.010     13675    37.6      1   11.663   0.001    30992   1~~13.~~3
 Aroclor-1260 2  11.369  -0.008     13963    37.2      2   11.924  -0.002    27000    39.3
 Aroclor-1260 3  11.741  -0.010     35007    35.5      3   12.444  -0.000     5489    30.0
 Aroclor-1260 4  12.144  -0.015     24503    48.7      4   12.507  -0.003    17747    38.8
 Aroclor-1260 5  12.253  -0.008      5265    25.6      NS    ---                      ----
       Total Col1Ave (5 peaks):    36.9      Total Col2Ave (4 peaks):    ~~55~~.3   RPD = 40
       Corrected Ave (4 peaks):    34.0      Corrected Ave (3 peaks):    36.0   RPD = 6

 Aroclor-1262 1      ---                     0.0      1     ---                      0.0
 Aroclor-1262 2      ---                     0.0      2     ---                      0.0
 Aroclor-1262 3      ---                     0.0      3     ---                      0.0
 Aroclor-1262 4      ---                     0.0      4     ---                      0.0
             Col1Ave: <3 Quant Peaks                   Col2Ave: <3 Quant Peaks

 Aroclor-1268 1      ---                     0.0      1     ---                      0.0
 Aroclor-1268 2      ---                     0.0      2     ---                      0.0
 Aroclor-1268 3      ---                     0.0      3     ---                      0.0
 Aroclor-1268 4      ---                     0.0      4     ---                      0.0
             Col1Ave: <3 Quant Peaks                   Col2Ave: <3 Quant Peaks
```

```
Total PCB Area Col1 (5.932 - 13.803) =    1673928     Col1 Total PCB = 0.4 ppm*

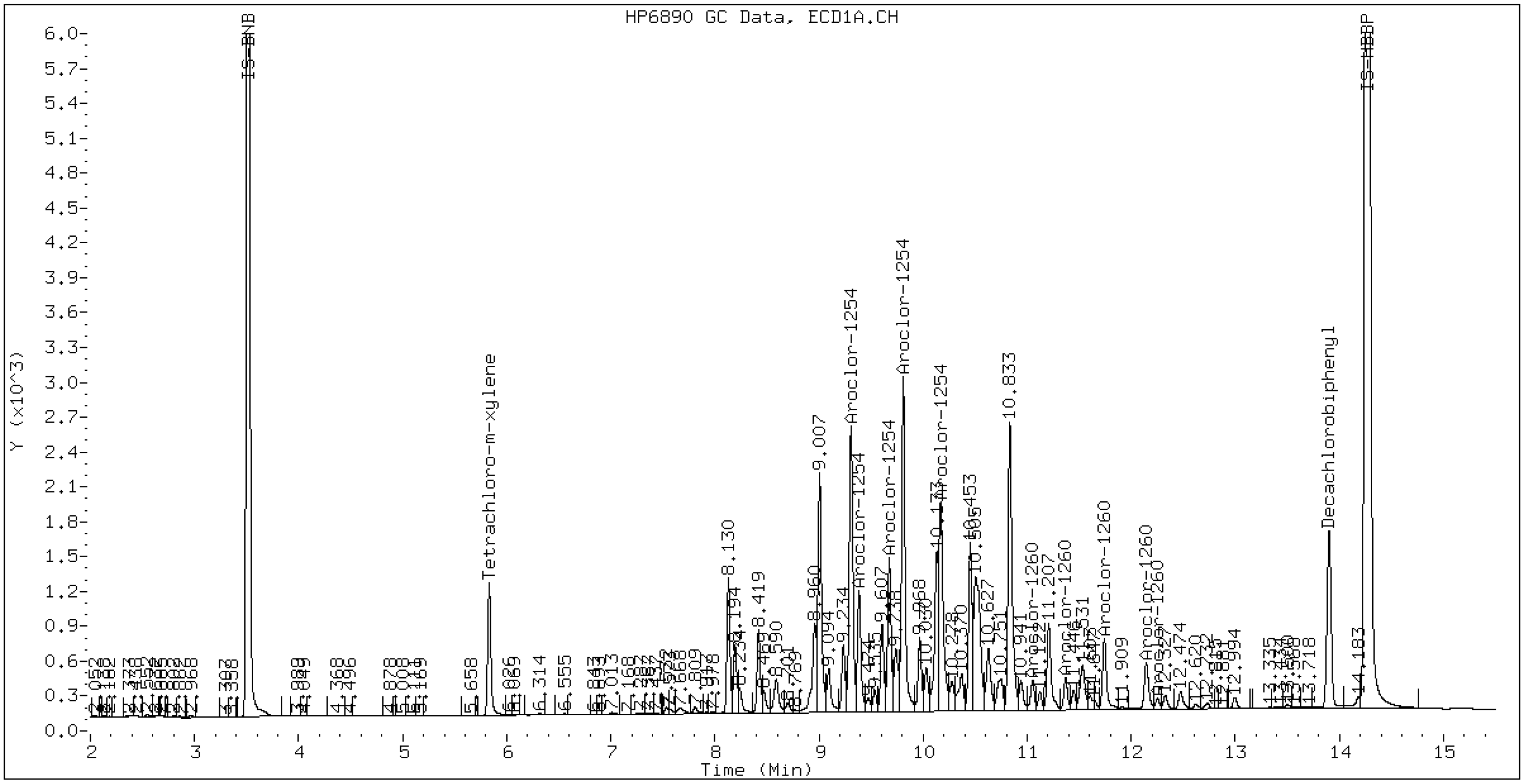
Total PCB Area Col2 (5.808 - 14.029) =    1050888     Col2 Total PCB = 0.4 ppm*

  *  Quantitated against AR1660 0.25ppm in Ical

                                    PCB-Form 10 Mod.
```

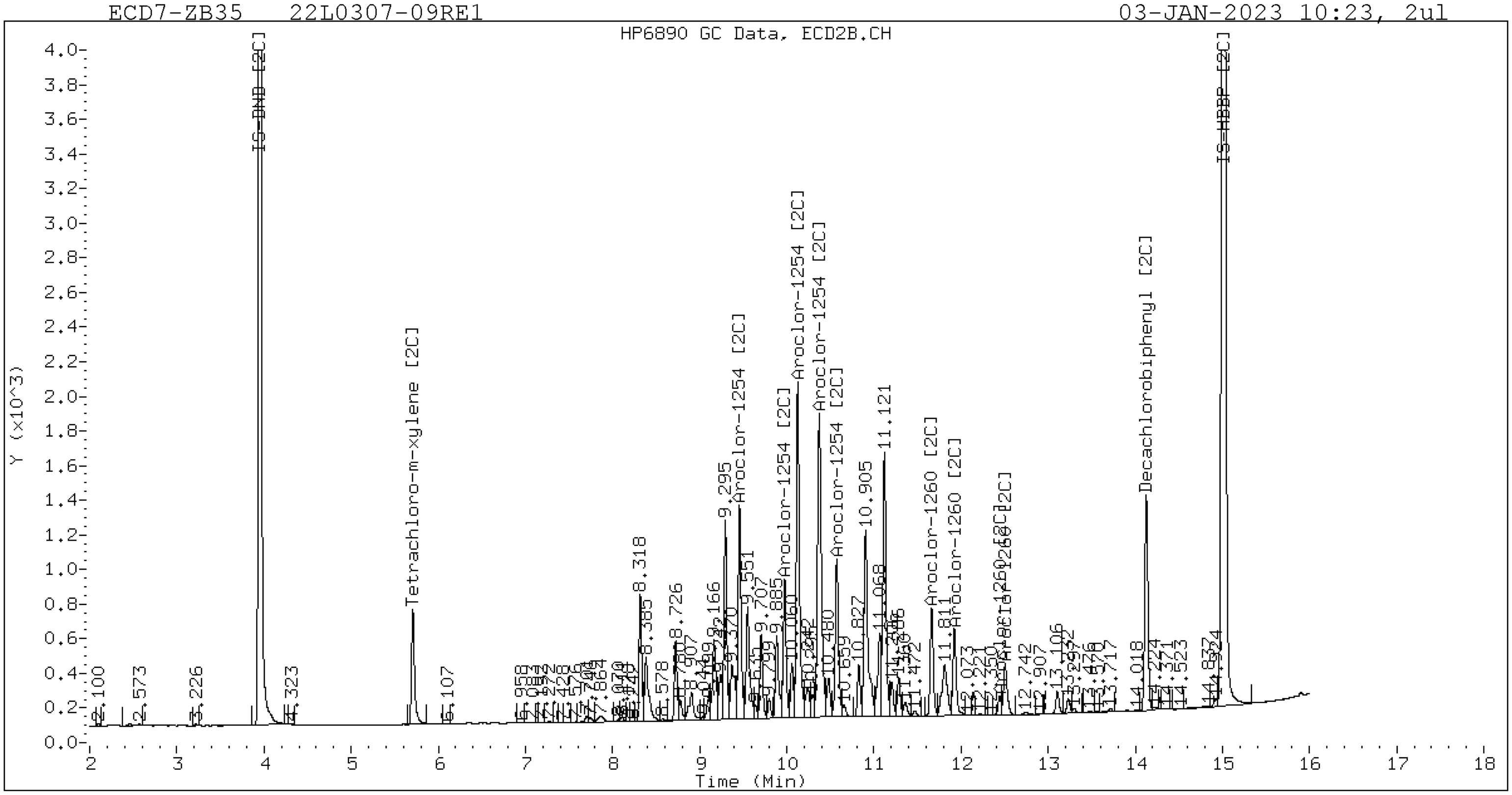
PCB Dual Column Chromatograms

ECD7-ZB5 22L0307-09RE1 03-JAN-2023 10:23, 2ul



ZB-5 Manual Integration: NO

ECD7-ZB35 22L0307-09RE1 03-JAN-2023 10:23, 2ul



ZB-35 Manual Integration: NO

LDW22-IT795C-FD

Dual Column

ORGANIC ANALYSIS DATA SHEET
EPA 8082A

Laboratory:	Analytical Resources, LLC			SDG:	22L0307
Client:	Anchor QEA, LLC				
Project:	AOC4 UR Phase 3				
Matrix:	Solid	Laboratory ID:	22L0307-10 B	File ID:	01032308ECD7.D
Sampled:	12/12/22 07:47	Prepared:	12/27/22 14:11	Analyzed:	01/03/23 10:44
% Solids:	70.97	Preparation:	EPA 3546 (Microwave)	Initial/Final:	17.62 g Wet / 2.5 mL
Batch:	BKL0581	Sequence:	SLA0079	Calibration:	FL00010
Instrument:	ECD7	Column 1:	ZB5	Column 2:	ZB35

CAS NO.	COMPOUND	Col #	DILUTION	CONC. (ug/kg dry)	MDL	MRL	Q
12674-11-2	Aroclor 1016	1	5	20.0	7.8	20.0	U
11104-28-2	Aroclor 1221	1	5	20.0	7.8	20.0	U
11141-16-5	Aroclor 1232	1	5	20.0	7.8	20.0	U
53469-21-9	Aroclor 1242	1	5	20.0	7.8	20.0	U
12672-29-6	Aroclor 1248	1	5	20.0	7.8	20.0	U
11097-69-1	Aroclor 1254	1	5	377	7.8	20.0	D
11096-82-5	Aroclor 1260	1	5	42.3	2.9	20.0	D

SURROGATES	Col #	ADDED (ug/kg dry)	CONC (ug/kg dry)	% REC	QC LIMITS	Q
Decachlorobiphenyl	*1*	*7.9969*	*7.92*	*99.1*	*40 - 126*	
Tetrachlorometaxylene	*1*	*7.9969*	*6.69*	*83.7*	*44 - 120*	

```
                              Analytical Resources Inc.
                         Dual Column 608/8082 PCB Quantitation Report

Data file 1: /230103.b/01032308ECD7.D                       ARI ID: 22L0307-10RE1
Data file 2: /230103.b/230103.b/01032308ECD7.D              Client ID:
Method: \\target\share\chem4\ecd7.i\230103.b\PCB.m          Injection Date: 03-JAN-2023 10:44
Compound Sublist: PCB.sub                                   Report Date: 01/06/2023 17:00
Instrument, Inj. Vol.: ecd7.i, 2ul                          Matrix: NONE
Quant Method: Internal Std                                  Dilution Factor:  5.0



                                 SURROGATES

       ZB5 Col          |       ZB35 Col         |   ZB5    ZB35
  RT    Shift Response  | RT    Shift  Response  |  on col  on col    RPD   Compound/Flag
==========================================================================================

 5.830 -0.002    43758 | 5.707  -0.001    28702|    6.7     6.5      2.7    Tetrachloro-m-xylene
13.901 -0.002    76865 |14.128  -0.001    57268|    7.9     7.4      6.9    Decachlorobiphenyl


*  Indicates RPD > 40%




                            INTERNAL STANDARD SUMMARY

                                        Column 1
                                 Standard    Sample
                 Standard Cpnd      Area*       Area      %D
               --------------------------------------------------
                 Bromo-Nitrobenzene    447645      461321    3.1
                 Hexabromobiphenyl     798898     1057922   32.4

                                        Column 2
                                 Standard    Sample
                 Standard Cpnd      Area*       Area      %D
               --------------------------------------------------
                 Bromo-Nitrobenzene    249094     321343    29.0
                 Hexabromobiphenyl     362541     545014    50.3


                * Standard Areas taken from Initial Cal Level 3
                  Initial Calibration Date: 03-DEC-2022
               <- Indicates standard response outside Limits (-50 to +100%)
```

```
//target/share/chem4/ecd7.i/230103.b/01032308ECD7.D      22L0307-10RE1                        page 2
                             ZB5 Col                          ZB35 Col
 Aroclor   Peak#    RT    Shift    Area    Amount    Peak#   RT     Shift    Area   Amount
 ========================================================================================
 Aroclor-1016 1      ---                     0.0      1     ---                      0.0
 Aroclor-1016 2      ---                     0.0      2     ---                      0.0
 Aroclor-1016 3      ---                     0.0      3     ---                      0.0
 Aroclor-1016 4      ---                     0.0      4     ---                      0.0
             Col1Ave: <3 Quant Peaks                   Col2Ave: <3 Quant Peaks

 Aroclor-1221 1      ---                     0.0      1     ---                      0.0
 Aroclor-1221 2      ---                     0.0      2     ---                      0.0
 Aroclor-1221 3      ---                     0.0      3     ---                      0.0
             Col1Ave: <3 Quant Peaks                   Col2Ave: <3 Quant Peaks

 Aroclor-1232 1      ---                     0.0      1     ---                      0.0
 Aroclor-1232 2      ---                     0.0      2     ---                      0.0
 Aroclor-1232 3      ---                     0.0      3     ---                      0.0
 Aroclor-1232 4      ---                     0.0      4     ---                      0.0
             Col1Ave: <3 Quant Peaks                   Col2Ave: <3 Quant Peaks

 Aroclor-1242 1      ---                     0.0      1     ---                      0.0
 Aroclor-1242 2      ---                     0.0      2     ---                      0.0
 Aroclor-1242 3      ---                     0.0      3     ---                      0.0
 Aroclor-1242 4      ---                     0.0      4     ---                      0.0
             Col1Ave: <3 Quant Peaks                   Col2Ave: <3 Quant Peaks

 Aroclor-1248 1      ---                     0.0      1     ---                      0.0
 Aroclor-1248 2      ---                     0.0      2     ---                      0.0
 Aroclor-1248 3      ---                     0.0      3     ---                      0.0
 Aroclor-1248 4      ---                     0.0      4     ---                      0.0
             Col1Ave: <3 Quant Peaks                   Col2Ave: <3 Quant Peaks

 Aroclor-1254 1   9.308  -0.007    149928   369.1      1    9.458  -0.004    71258   343.9
 Aroclor-1254 2   9.386  -0.008     62896   398.2      2    9.976  -0.002    51569   309.6
 Aroclor-1254 3   9.675  -0.011     85510   333.3      3   10.126  -0.003   125670   351.0
 Aroclor-1254 4   9.811  -0.010    178415   356.8      4   10.374  -0.004   143855   388.0
 Aroclor-1254 5  10.168  -0.007    147146   429.3      5   10.574  -0.002    64700   361.8
       Total Col1Ave (5 peaks):   377.3       Total Col2Ave (5 peaks):   350.8   RPD = 7
       Corrected Ave (4 peaks):   364.3       Corrected Ave (4 peaks):   341.6   RPD = 6

 Aroclor-1260 1  11.052  -0.010     17401    45.2      1   11.664   0.001    41662   144.8
 Aroclor-1260 2  11.370  -0.008     17967    45.1      2   11.925  -0.001    35173    48.7
 Aroclor-1260 3  11.742  -0.010     43424    41.5      3   12.445   0.001     6329    32.9
 Aroclor-1260 4  12.145  -0.013     29048    54.5      4   12.507  -0.002    21631    44.9
 Aroclor-1260 5  12.252  -0.009      5503    25.2      NS    ---                     ----
       Total Col1Ave (5 peaks):    42.3       Total Col2Ave (4 peaks):    67.9   RPD = 46*
       Corrected Ave (4 peaks):    39.3       Corrected Ave (3 peaks):    42.2   RPD = 7

 Aroclor-1262 1      ---                     0.0      1     ---                      0.0
 Aroclor-1262 2      ---                     0.0      2     ---                      0.0
 Aroclor-1262 3      ---                     0.0      3     ---                      0.0
 Aroclor-1262 4      ---                     0.0      4     ---                      0.0
             Col1Ave: <3 Quant Peaks                   Col2Ave: <3 Quant Peaks

 Aroclor-1268 1      ---                     0.0      1     ---                      0.0
 Aroclor-1268 2      ---                     0.0      2     ---                      0.0
 Aroclor-1268 3      ---                     0.0      3     ---                      0.0
 Aroclor-1268 4      ---                     0.0      4     ---                      0.0
             Col1Ave: <3 Quant Peaks                   Col2Ave: <3 Quant Peaks
```

```
Total PCB Area Col1 (5.932 - 13.803) =    2097250     Col1 Total PCB = 0.5 ppm*

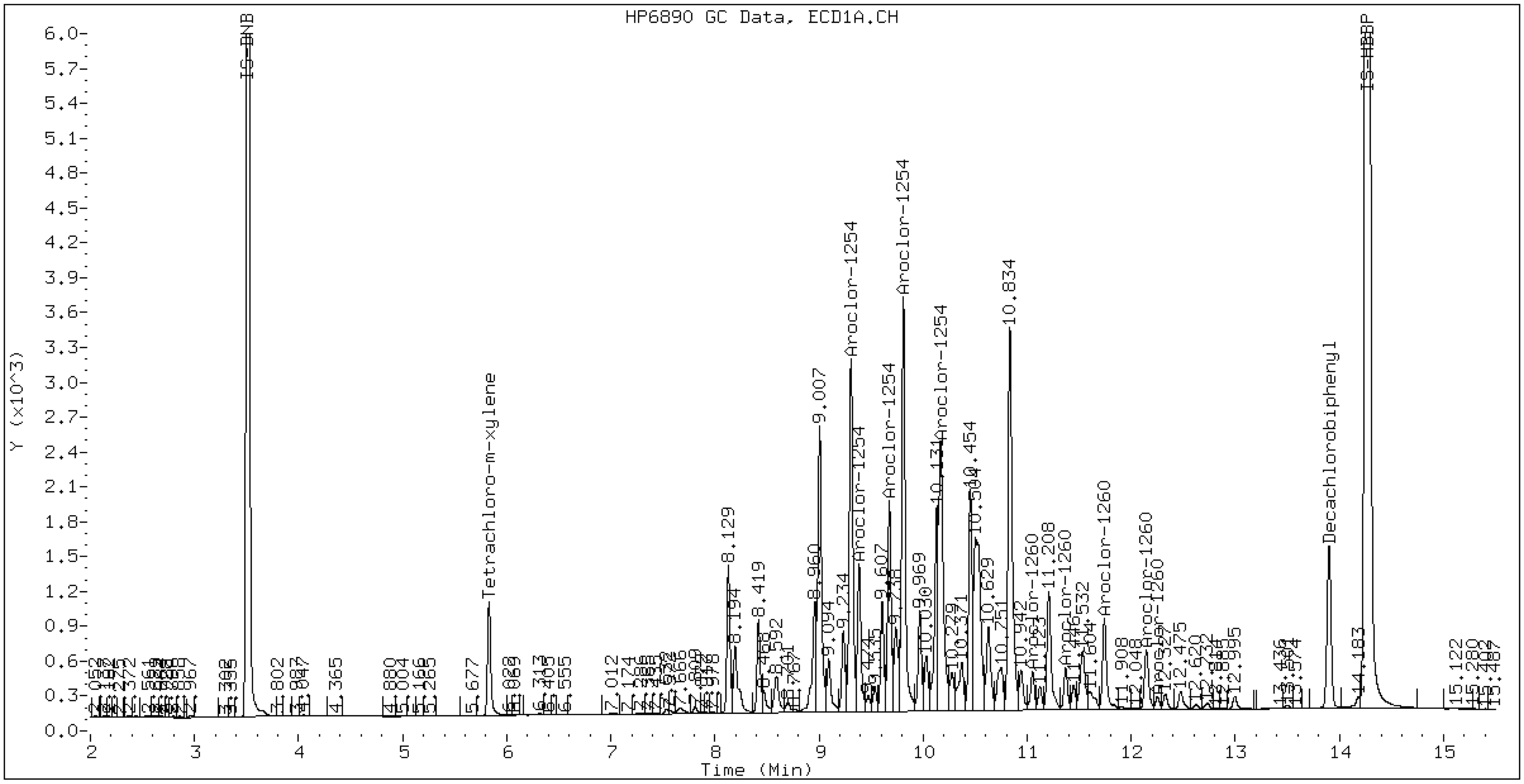
Total PCB Area Col2 (5.808 - 14.029) =    1329314     Col2 Total PCB = 0.4 ppm*
```

* Quantitated against AR1660 0.25ppm in Ical

PCB-Form 10 Mod.

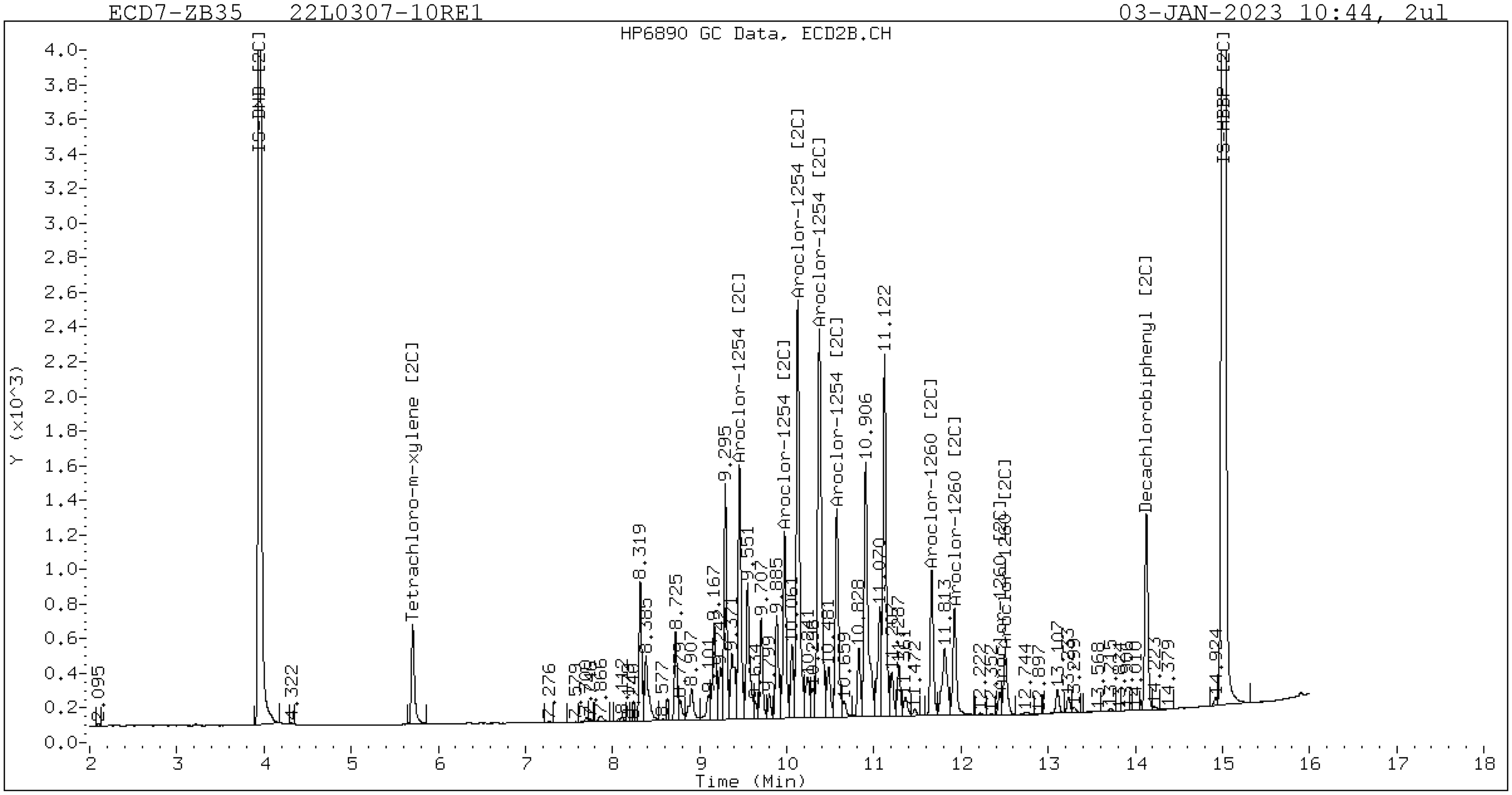
PCB Dual Column Chromatograms

ECD7-ZB5 22L0307-10RE1 03-JAN-2023 10:44, 2ul



ZB-5 Manual Integration: NO

ECD7-ZB35 22L0307-10RE1 03-JAN-2023 10:44, 2ul



ZB-35 Manual Integration: NO

Analytical Resources, LLC
Analytical Chemists and Consultants

LDW22-IT795D

Dual Column

ORGANIC ANALYSIS DATA SHEET
EPA 8082A

Laboratory:	Analytical Resources, LLC			SDG:	22L0307
Client:	Anchor QEA, LLC				
Project:	AOC4 UR Phase 3				
Matrix:	Solid	Laboratory ID:	22L0307-11 B	File ID:	12312240ECD7.D
Sampled:	12/12/22 07:47	Prepared:	12/27/22 14:11	Analyzed:	12/31/22 23:52
% Solids:	72.85	Preparation:	EPA 3546 (Microwave)	Initial/Final:	17.3 g Wet / 2.5 mL
Batch:	BKL0581	Sequence:	SLA0071	Calibration:	FL00010
Instrument:	ECD7	Column 1:	ZB5	Column 2:	ZB35

CAS NO.	COMPOUND	Col #	DILUTION	CONC. (ug/kg dry)	MDL	MRL	Q
12674-11-2	Aroclor 1016	1	1	4.0	1.5	4.0	U
11104-28-2	Aroclor 1221	1	1	4.0	1.5	4.0	U
11141-16-5	Aroclor 1232	1	1	4.0	1.5	4.0	U
53469-21-9	Aroclor 1242	1	1	4.0	1.5	4.0	U
12672-29-6	Aroclor 1248	1	1	8.8	1.5	4.0	
11097-69-1	Aroclor 1254	2	1	7.5	1.5	4.0	
11096-82-5	Aroclor 1260	2	1	2.2	0.6	4.0	J

SURROGATES	Col #	ADDED (ug/kg dry)	CONC (ug/kg dry)	% REC	QC LIMITS	Q
Decachlorobiphenyl	*1*	*7.9346*	*7.95*	*100*	*40 - 126*	
Tetrachlorometaxylene	*1*	*7.9346*	*5.98*	*75.4*	*44 - 120*	
Decachlorobiphenyl	*2*	*7.9346*	*7.43*	*93.7*	*40 - 126*	
Tetrachlorometaxylene	*2*	*7.9346*	*5.92*	*74.7*	*44 - 120*	

```
                                  Analytical Resources Inc.
                             Dual Column 608/8082 PCB Quantitation Report

 Data file 1: /221231.b/12312240ECD7.D                       ARI ID: 22L0307-11
 Data file 2: /221231.b/221231.b/12312240ECD7.D              Client ID:
 Method: \\target\share\chem4\ecd7.i\221231.b\PCB.m          Injection Date: 31-DEC-2022 23:52
 Compound Sublist: PCB.sub                                   Report Date: 01/05/2023 17:04
 Instrument, Inj. Vol.: ecd7.i, 2ul                          Matrix: NONE
 Quant Method: Internal Std                                  Dilution Factor:  1.0



                                     SURROGATES

        ZB5 Col         |       ZB35 Col         |   ZB5    ZB35
   RT    Shift Response | RT    Shift  Response  |  on col  on col    RPD   Compound/Flag
 ===========================================================================================

  5.831 -0.001   207170 | 5.708  -0.003   136034|   30.2    29.9      1.0    Tetrachloro-m-xylene
 13.899 -0.002   324729 |14.126  -0.003   273596|   40.1    37.5      6.7    Decachlorobiphenyl


*  Indicates RPD > 40%




                                INTERNAL STANDARD SUMMARY

                                            Column 1
                                     Standard    Sample
                   Standard Cpnd       Area*       Area      %D
                 -------------------------------------------------
                   Bromo-Nitrobenzene    447645      484739    8.3
                   Hexabromobiphenyl     798898      884096   10.7

                                            Column 2
                                     Standard    Sample
                   Standard Cpnd       Area*       Area      %D
                 -------------------------------------------------
                   Bromo-Nitrobenzene    249094     332305    33.4
                   Hexabromobiphenyl     362541     514134    41.8


                  * Standard Areas taken from Initial Cal Level 3
                    Initial Calibration Date: 03-DEC-2022
                 <- Indicates standard response outside Limits (-50 to +100%)
```

```
                            ZB5 Col                                ZB35 Col
 Aroclor   Peak#    RT    Shift    Area    Amount    Peak#   RT     Shift    Area   Amount
 ========================================================================================
 Aroclor-1016 1      ---                     0.0      1     ---                      0.0
 Aroclor-1016 2      ---                     0.0      2     ---                      0.0
 Aroclor-1016 3      ---                     0.0      3     ---                      0.0
 Aroclor-1016 4      ---                     0.0      4     ---                      0.0
             Col1Ave: <3 Quant Peaks                   Col2Ave: <3 Quant Peaks

 Aroclor-1221 1      ---                     0.0      1     ---                      0.0
 Aroclor-1221 2      ---                     0.0      2     ---                      0.0
 Aroclor-1221 3      ---                     0.0      3     ---                      0.0
             Col1Ave: <3 Quant Peaks                   Col2Ave: <3 Quant Peaks

 Aroclor-1232 1      ---                     0.0      1     ---                      0.0
 Aroclor-1232 2      ---                     0.0      2     ---                      0.0
 Aroclor-1232 3      ---                     0.0      3     ---                      0.0
 Aroclor-1232 4      ---                     0.0      4     ---                      0.0
             Col1Ave: <3 Quant Peaks                   Col2Ave: <3 Quant Peaks

 Aroclor-1242 1      ---                     0.0      1     ---                      0.0
 Aroclor-1242 2      ---                     0.0      2     ---                      0.0
 Aroclor-1242 3      ---                     0.0      3     ---                      0.0
 Aroclor-1242 4      ---                     0.0      4     ---                      0.0
             Col1Ave: <3 Quant Peaks                   Col2Ave: <3 Quant Peaks

 Aroclor-1248 1   8.416  -0.011      8350    40.1      1    8.319  -0.004     8965    66.0
 Aroclor-1248 2   8.587  -0.017      4227    15.9      2    8.725  -0.004     5193    36.4
 Aroclor-1248 3   9.006  -0.016     19846    41.5      3    9.164  -0.011     3929    22.6
 Aroclor-1248 4   9.305  -0.006     18929    80.7      4    9.550  -0.045     6102    29.9
       Total Col1Ave (4 peaks):    44.5       Total Col2Ave (4 peaks):    38.7   RPD = 14
       Corrected Ave (3 peaks):    32.5       Corrected Ave (3 peaks):    29.6   RPD = 9

 Aroclor-1254 1   9.305  -0.016     18929    44.4      1    9.458  -0.003     8872    41.4
 Aroclor-1254 2   9.381  -0.020      6609    39.8      2    9.975  -0.004     5133    29.8
 Aroclor-1254 3   9.674  -0.020      7382    27.4      3   10.123  -0.007    15494    41.8
 Aroclor-1254 4   9.803  -0.028     18026    34.3      4   10.370  -0.008    17484    45.6
 Aroclor-1254 5  10.161  -0.029     14763    41.0      5   10.575  -0.000     5775    31.2
       Total Col1Ave (5 peaks):    37.4       Total Col2Ave (5 peaks):    38.0   RPD = 2
       Corrected Ave (4 peaks):    35.6       Corrected Ave (4 peaks):    36.1   RPD = 1

 Aroclor-1260 1  11.046  -0.017      3266    10.1      1   11.662  -0.001     3978    14.7
 Aroclor-1260 2  11.364  -0.013      2250     6.8      2   11.922  -0.003     3278     4.8
 Aroclor-1260 3  11.736  -0.015      4230     4.8      3   12.423  -0.022     3075    17.0
 Aroclor-1260 4  12.142  -0.017      3353     7.5      4   12.504  -0.006     3238     7.1
 Aroclor-1260 5  12.247  -0.015      1526     8.4      NS    ---                      ----
       Total Col1Ave (5 peaks):     7.5       Total Col2Ave (4 peaks):    10.9   RPD = 36
       Corrected Ave (4 peaks):     6.9       Corrected Ave (3 peaks):     8.9   RPD = 25

 Aroclor-1262 1      ---                     0.0      1     ---                      0.0
 Aroclor-1262 2      ---                     0.0      2     ---                      0.0
 Aroclor-1262 3      ---                     0.0      3     ---                      0.0
 Aroclor-1262 4      ---                     0.0      4     ---                      0.0
             Col1Ave: <3 Quant Peaks                   Col2Ave: <3 Quant Peaks

 Aroclor-1268 1      ---                     0.0      1     ---                      0.0
 Aroclor-1268 2      ---                     0.0      2     ---                      0.0
 Aroclor-1268 3      ---                     0.0      3     ---                      0.0
 Aroclor-1268 4      ---                     0.0      4     ---                      0.0
             Col1Ave: <3 Quant Peaks                   Col2Ave: <3 Quant Peaks
```

Total PCB Area Col1 (5.932 - 13.801) = 317093 Col1 Total PCB = 0.1 ppm*

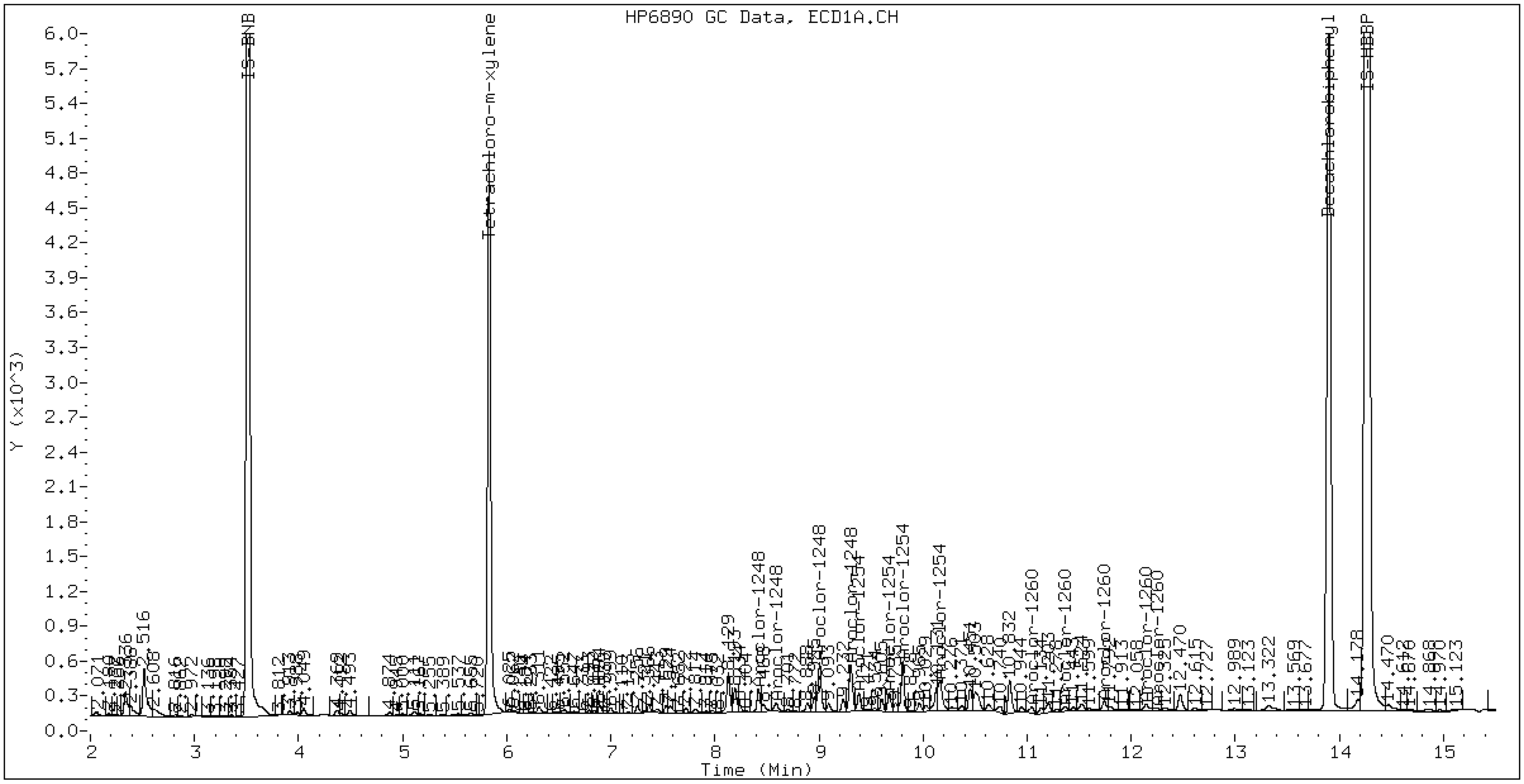
Total PCB Area Col2 (5.810 - 14.030) = 224883 Col2 Total PCB = 0.1 ppm*

* Quantitated against AR1660 0.25ppm in Ical

PCB-Form 10 Mod.

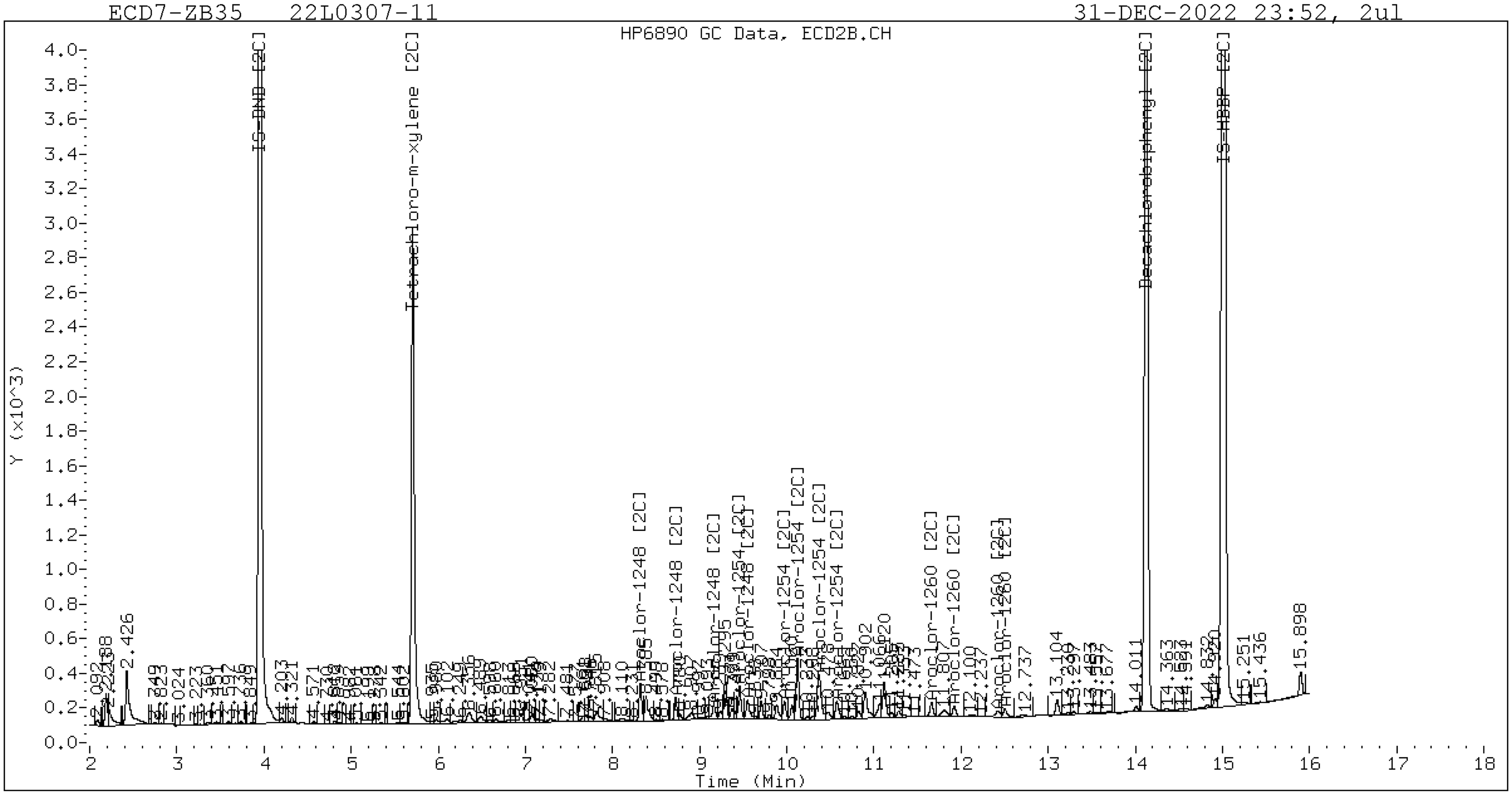
PCB Dual Column Chromatograms

ECD7-ZB5 22L0307-11 31-DEC-2022 23:52, 2ul



ZB-5 Manual Integration: YES

ECD7-ZB35 22L0307-11 31-DEC-2022 23:52, 2ul

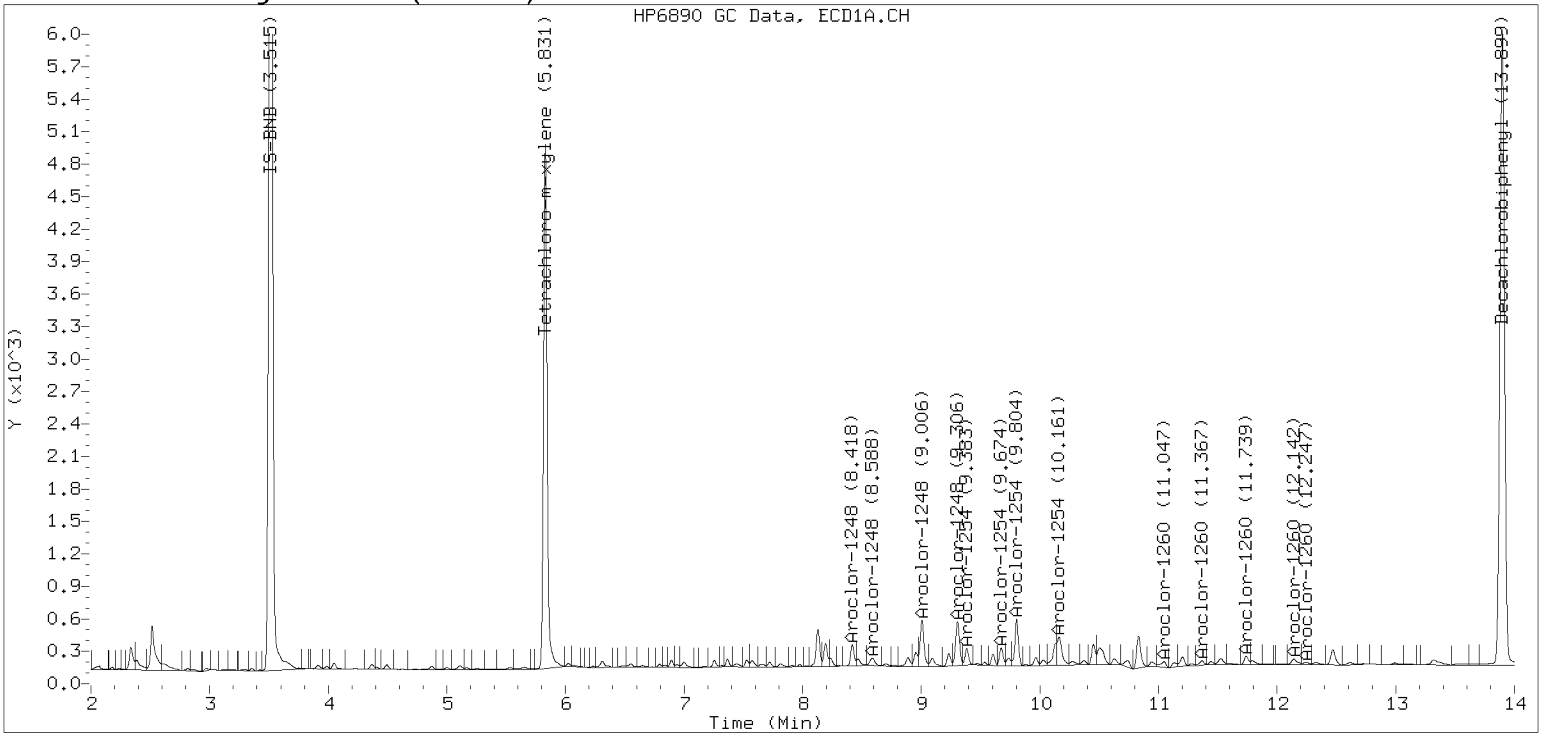


ZB-35 Manual Integration: YES

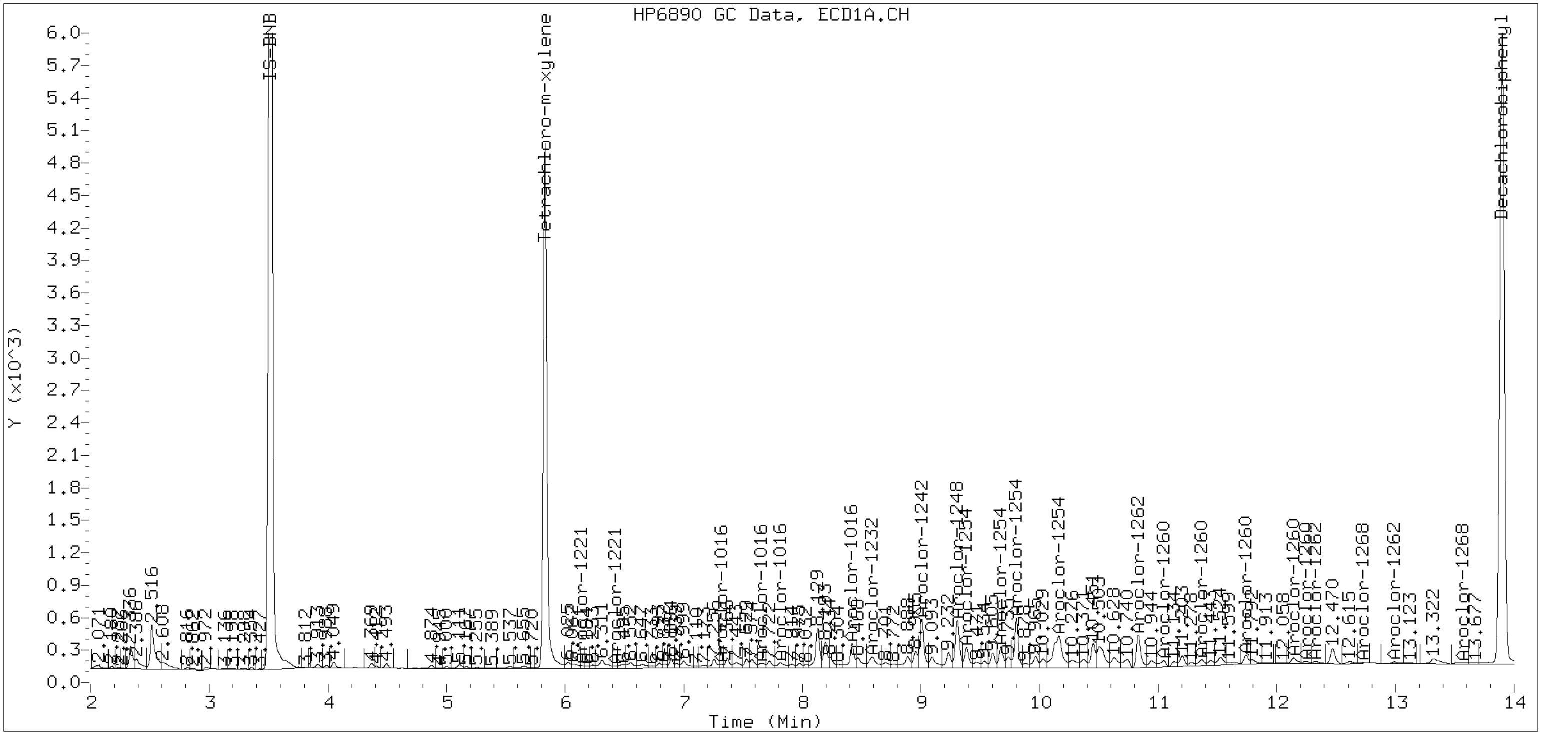
Manual Peak Adjustment, ZB-5

Datafile: ecd7.i/221231.b/12312240ECD7.D   Injection Date: 31-DEC-2022 23:52

Manual Integration (After)



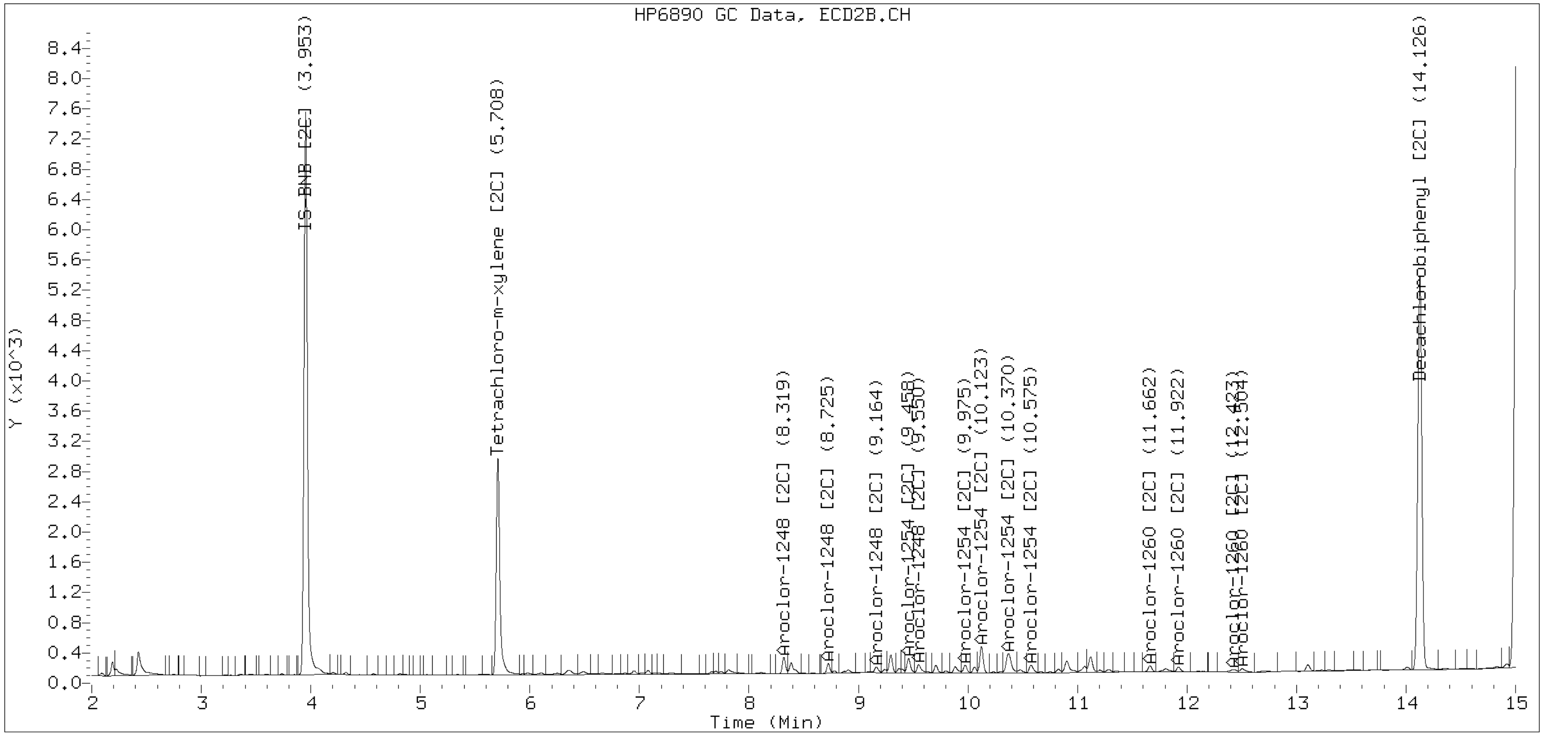
Processed Integration (Before)



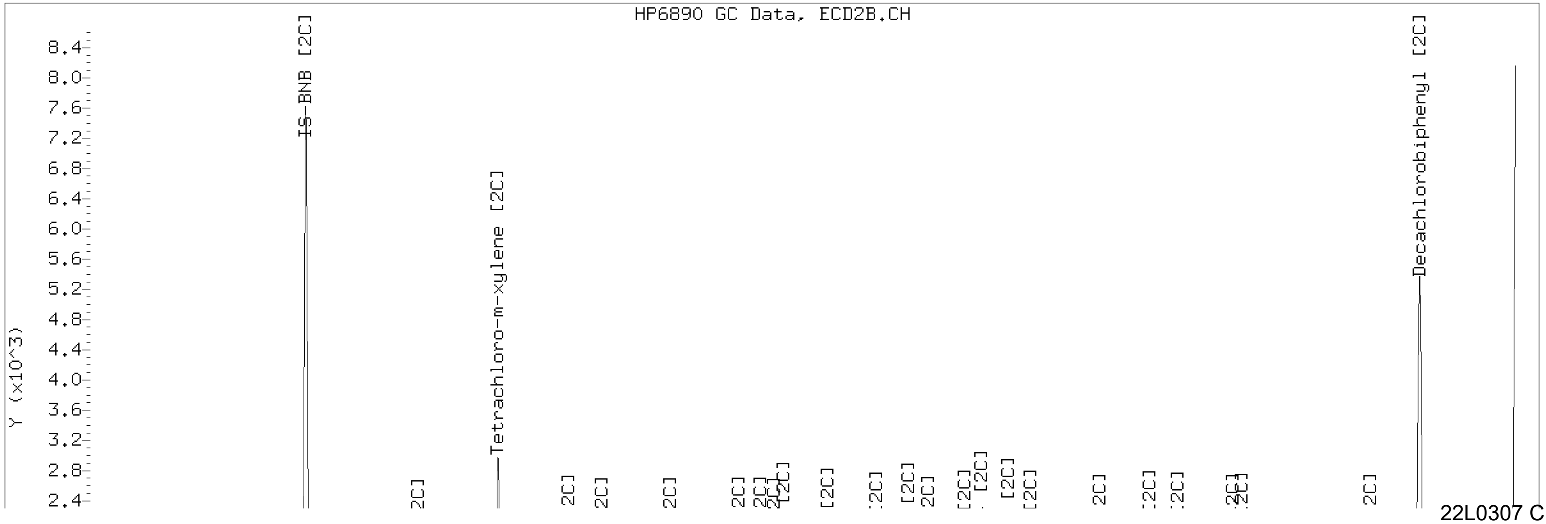
Manual Peak Adjustment, ZB-35

Datafile: ecd7.i/221231.b/221231.b/12312240ECD7.D   Injection Date: 31-DEC-2022 23:52

Manual Integration (After)



Processed Integration (Before)



LDW22-IT795E

Dual Column

ORGANIC ANALYSIS DATA SHEET
EPA 8082A

Laboratory:	Analytical Resources, LLC			SDG:	22L0307
Client:	Anchor QEA, LLC				
Project:	AOC4 UR Phase 3				
Matrix:	Solid	Laboratory ID:	22L0307-12 B	File ID:	12312241ECD7.D
Sampled:	12/12/22 07:47	Prepared:	12/27/22 14:11	Analyzed:	01/01/23 00:13
% Solids:	74.46	Preparation:	EPA 3546 (Microwave)	Initial/Final:	16.79 g Wet / 2.5 mL
Batch:	BKL0581	Sequence:	SLA0071	Calibration:	FL00010
Instrument:	ECD7	Column 1:	ZB5	Column 2:	ZB35

CAS NO.	COMPOUND	Col #	DILUTION	CONC. (ug/kg dry)	MDL	MRL	Q
12674-11-2	Aroclor 1016	1	1	4.0	1.6	4.0	U
11104-28-2	Aroclor 1221	1	1	4.0	1.6	4.0	U
11141-16-5	Aroclor 1232	1	1	4.0	1.6	4.0	U
53469-21-9	Aroclor 1242	1	1	4.0	1.6	4.0	U
12672-29-6	Aroclor 1248	2	1	4.1	1.6	4.0	
11097-69-1	Aroclor 1254	2	1	5.7	1.6	4.0	
11096-82-5	Aroclor 1260	2	1	1.4	0.6	4.0	J

SURROGATES	Col #	ADDED (ug/kg dry)	CONC (ug/kg dry)	% REC	QC LIMITS	Q
Decachlorobiphenyl	*1*	*7.9988*	*7.66*	*95.7*	*40 - 126*	
Tetrachlorometaxylene	*1*	*7.9988*	*6.13*	*76.6*	*44 - 120*	
Decachlorobiphenyl	*2*	*7.9988*	*7.65*	*95.6*	*40 - 126*	
Tetrachlorometaxylene	*2*	*7.9988*	*5.98*	*74.8*	*44 - 120*	

```
                              Analytical Resources Inc.
                         Dual Column 608/8082 PCB Quantitation Report

Data file 1: /221231.b/12312241ECD7.D                    ARI ID: 22L0307-12
Data file 2: /221231.b/221231.b/12312241ECD7.D           Client ID:
Method: \\target\share\chem4\ecd7.i\221231.b\PCB.m      Injection Date: 01-JAN-2023 00:13
Compound Sublist: PCB.sub                                Report Date: 01/05/2023 17:04
Instrument, Inj. Vol.: ecd7.i, 2ul                       Matrix: NONE
Quant Method: Internal Std                               Dilution Factor:  1.0



                                 SURROGATES

       ZB5 Col          |       ZB35 Col          |   ZB5    ZB35
  RT    Shift Response | RT    Shift  Response   |  on col  on col    RPD   Compound/Flag
============================================================================================

 5.831 -0.001   211354 | 5.707  -0.003   136083|   30.7    29.9      2.4    Tetrachloro-m-xylene
13.899 -0.001   327900 |14.127  -0.003   283998|   38.3    38.2      0.1    Decachlorobiphenyl


*  Indicates RPD > 40%



                            INTERNAL STANDARD SUMMARY

                                          Column 1
                                   Standard    Sample
                  Standard Cpnd      Area*       Area      %D
               ------------------------------------------------
                 Bromo-Nitrobenzene    447645      486536    8.7
                 Hexabromobiphenyl     798898      934345   17.0

                                          Column 2
                                   Standard    Sample
                  Standard Cpnd      Area*       Area      %D
               ------------------------------------------------
                 Bromo-Nitrobenzene    249094     331768    33.2
                 Hexabromobiphenyl     362541     523031    44.3


                * Standard Areas taken from Initial Cal Level 3
                  Initial Calibration Date: 03-DEC-2022
               <- Indicates standard response outside Limits (-50 to +100%)
```

```
                             ZB5 Col                         ZB35 Col
 Aroclor   Peak#    RT    Shift    Area    Amount    Peak#   RT     Shift    Area   Amount
 =======================================================================================
 Aroclor-1016 1      ---                     0.0      1     ---                        0.0
 Aroclor-1016 2      ---                     0.0      2     ---                        0.0
 Aroclor-1016 3      ---                     0.0      3     ---                        0.0
 Aroclor-1016 4      ---                     0.0      4     ---                        0.0
             Col1Ave: <3 Quant Peaks                   Col2Ave: <3 Quant Peaks

 Aroclor-1221 1      ---                     0.0      1     ---                        0.0
 Aroclor-1221 2      ---                     0.0      2     ---                        0.0
 Aroclor-1221 3      ---                     0.0      3     ---                        0.0
             Col1Ave: <3 Quant Peaks                   Col2Ave: <3 Quant Peaks

 Aroclor-1232 1      ---                     0.0      1     ---                        0.0
 Aroclor-1232 2      ---                     0.0      2     ---                        0.0
 Aroclor-1232 3      ---                     0.0      3     ---                        0.0
 Aroclor-1232 4      ---                     0.0      4     ---                        0.0
             Col1Ave: <3 Quant Peaks                   Col2Ave: <3 Quant Peaks

 Aroclor-1242 1      ---                     0.0      1     ---                        0.0
 Aroclor-1242 2      ---                     0.0      2     ---                        0.0
 Aroclor-1242 3      ---                     0.0      3     ---                        0.0
 Aroclor-1242 4      ---                     0.0      4     ---                        0.0
             Col1Ave: <3 Quant Peaks                   Col2Ave: <3 Quant Peaks

 Aroclor-1248 1   8.416  -0.012      3665    17.5      1    8.319  -0.004     2119    15.6
 Aroclor-1248 2   8.587  -0.017      1861     7.0      2    8.723  -0.006     1663    11.7
 Aroclor-1248 3   9.005  -0.017      6073    12.6      3    9.163  -0.012     4325    24.9
 Aroclor-1248 4   9.306  -0.005      8967    38.1      4    9.550  -0.046     5946    29.2
       Total Col1Ave (4 peaks):    18.8       Total Col2Ave (4 peaks):   20.4   RPD = 8
       Corrected Ave (3 peaks):    12.4       Corrected Ave (3 peaks):   17.4   RPD = 34

 Aroclor-1254 1   9.306  -0.015      8967    20.9      1    9.456  -0.005     6586    30.8
 Aroclor-1254 2   9.382  -0.020      3312    19.9      2    9.974  -0.005     5235    30.4
 Aroclor-1254 3   9.672  -0.022      4523    16.7      3   10.122  -0.008     8846    23.9
 Aroclor-1254 4   9.806  -0.025      8803    16.7      4   10.369  -0.009    13894    36.3
 Aroclor-1254 5  10.161  -0.029      9141    25.3      5   10.576   0.001     3755    20.3
       Total Col1Ave (5 peaks):    19.9       Total Col2Ave (5 peaks):   28.4   RPD = 35
       Corrected Ave (4 peaks):    18.6       Corrected Ave (4 peaks):   26.4   RPD = 35

 Aroclor-1260 1  11.041  -0.021      2404     7.1      1   11.662  -0.001     3020    10.9
 Aroclor-1260 2  11.366  -0.012      1695     4.8      2   11.923  -0.003     2437     3.5
 Aroclor-1260 3  11.738  -0.014      4696     5.1      3   12.430  -0.015     2920    1~~5.8~~
 Aroclor-1260 4  12.140  -0.018      2490     5.3      4   12.505  -0.005     2960     6.4
 Aroclor-1260 5  12.247  -0.014      1359     7.1     NS     ---                    ----
       Total Col1Ave (5 peaks):     5.9       Total Col2Ave (4 peaks):    ~~9.2~~   RPD = 44*
       Corrected Ave (4 peaks):     5.6       Corrected Ave (3 peaks):    7.0   RPD = 22

 Aroclor-1262 1      ---                     0.0      1     ---                        0.0
 Aroclor-1262 2      ---                     0.0      2     ---                        0.0
 Aroclor-1262 3      ---                     0.0      3     ---                        0.0
 Aroclor-1262 4      ---                     0.0      4     ---                        0.0
             Col1Ave: <3 Quant Peaks                   Col2Ave: <3 Quant Peaks

 Aroclor-1268 1      ---                     0.0      1     ---                        0.0
 Aroclor-1268 2      ---                     0.0      2     ---                        0.0
 Aroclor-1268 3      ---                     0.0      3     ---                        0.0
 Aroclor-1268 4      ---                     0.0      4     ---                        0.0
             Col1Ave: <3 Quant Peaks                   Col2Ave: <3 Quant Peaks
```

Total PCB Area Col1 (5.932 - 13.801) = 189397 Col1 Total PCB = 0.0 ppm*

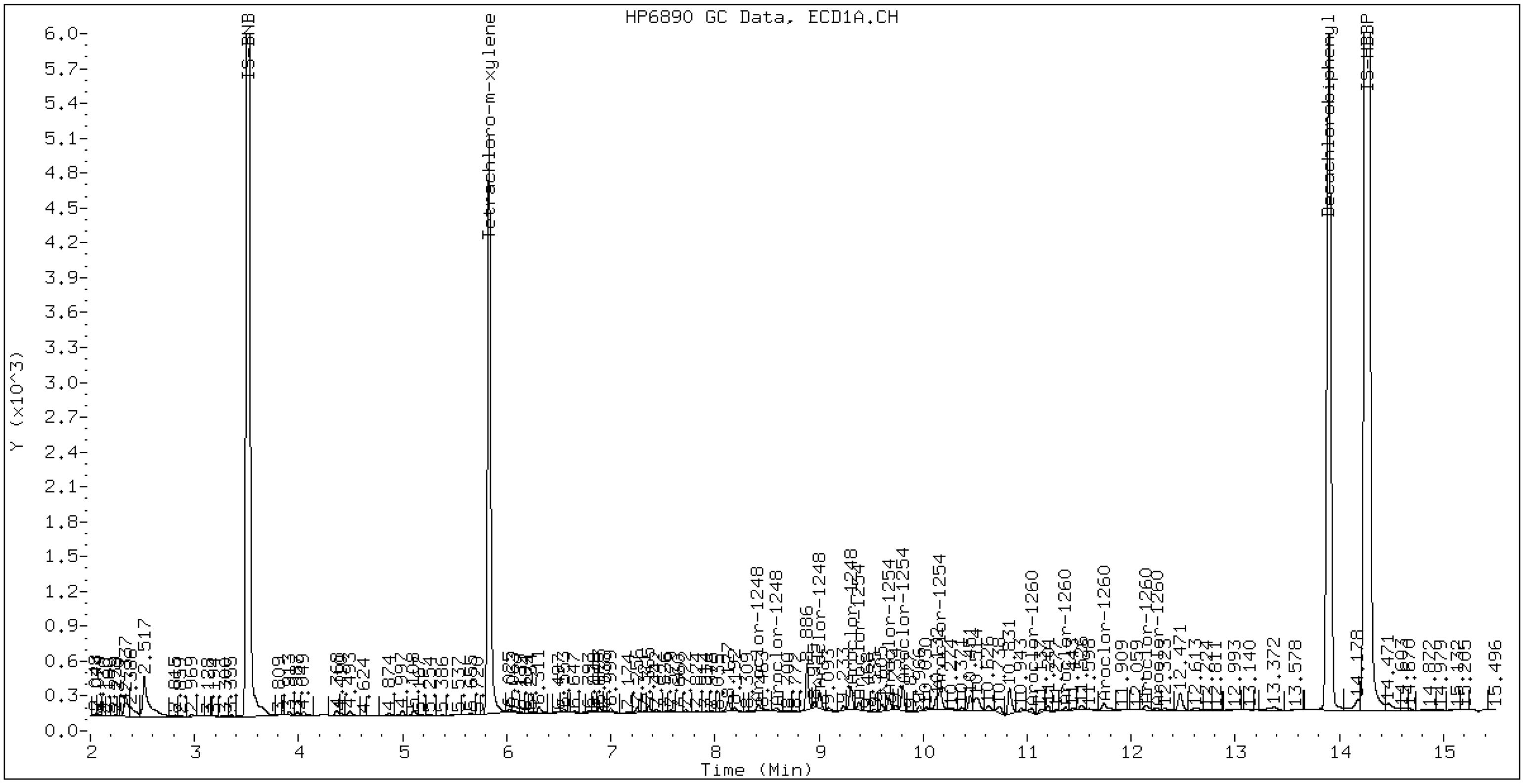
Total PCB Area Col2 (5.810 - 14.030) = 164652 Col2 Total PCB = 0.1 ppm*

* Quantitated against AR1660 0.25ppm in Ical

PCB-Form 10 Mod.

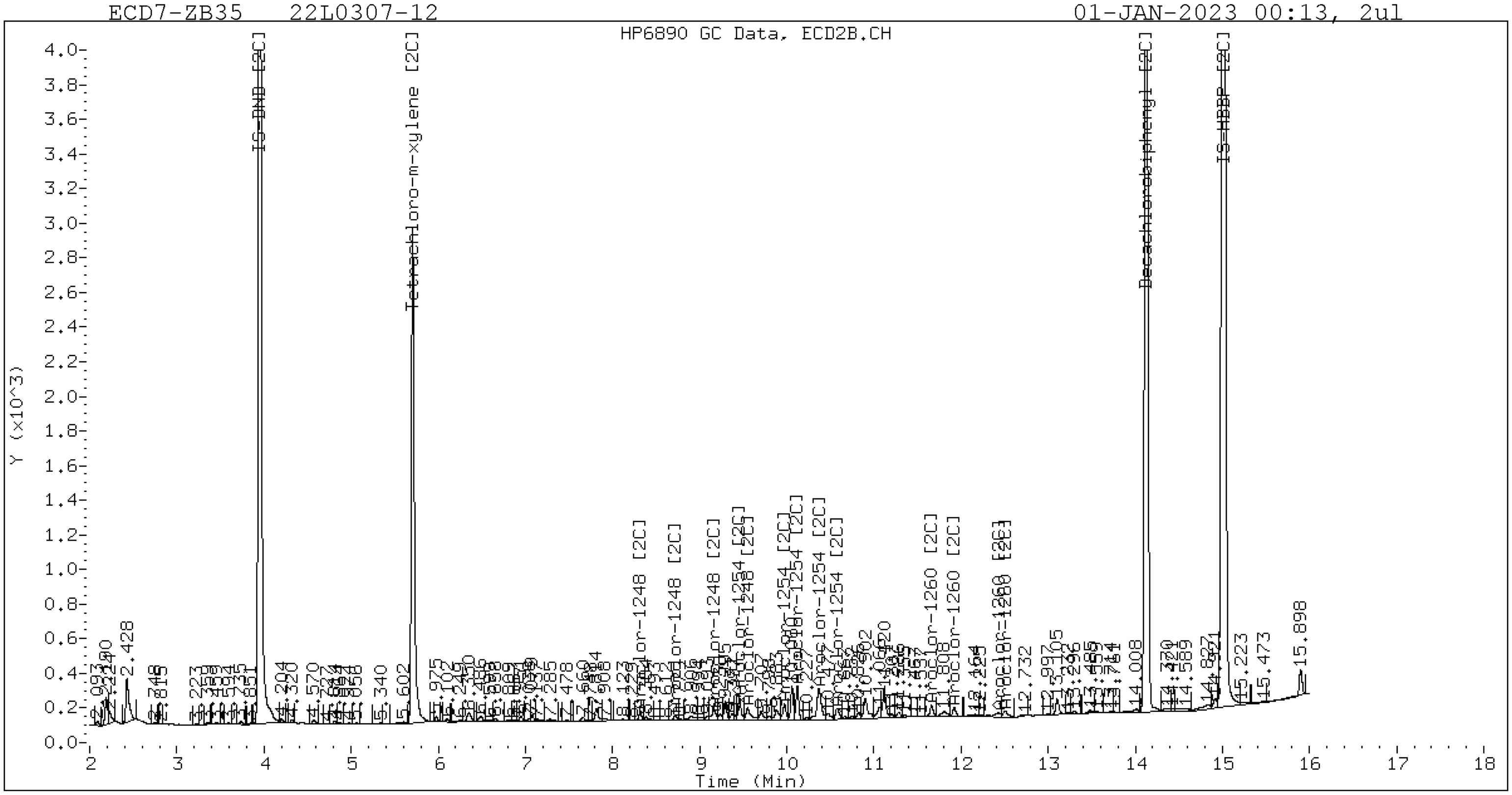
PCB Dual Column Chromatograms

ECD7-ZB5 22L0307-12 01-JAN-2023 00:13, 2ul



ZB-5 Manual Integration: YES

ECD7-ZB35 22L0307-12 01-JAN-2023 00:13, 2ul

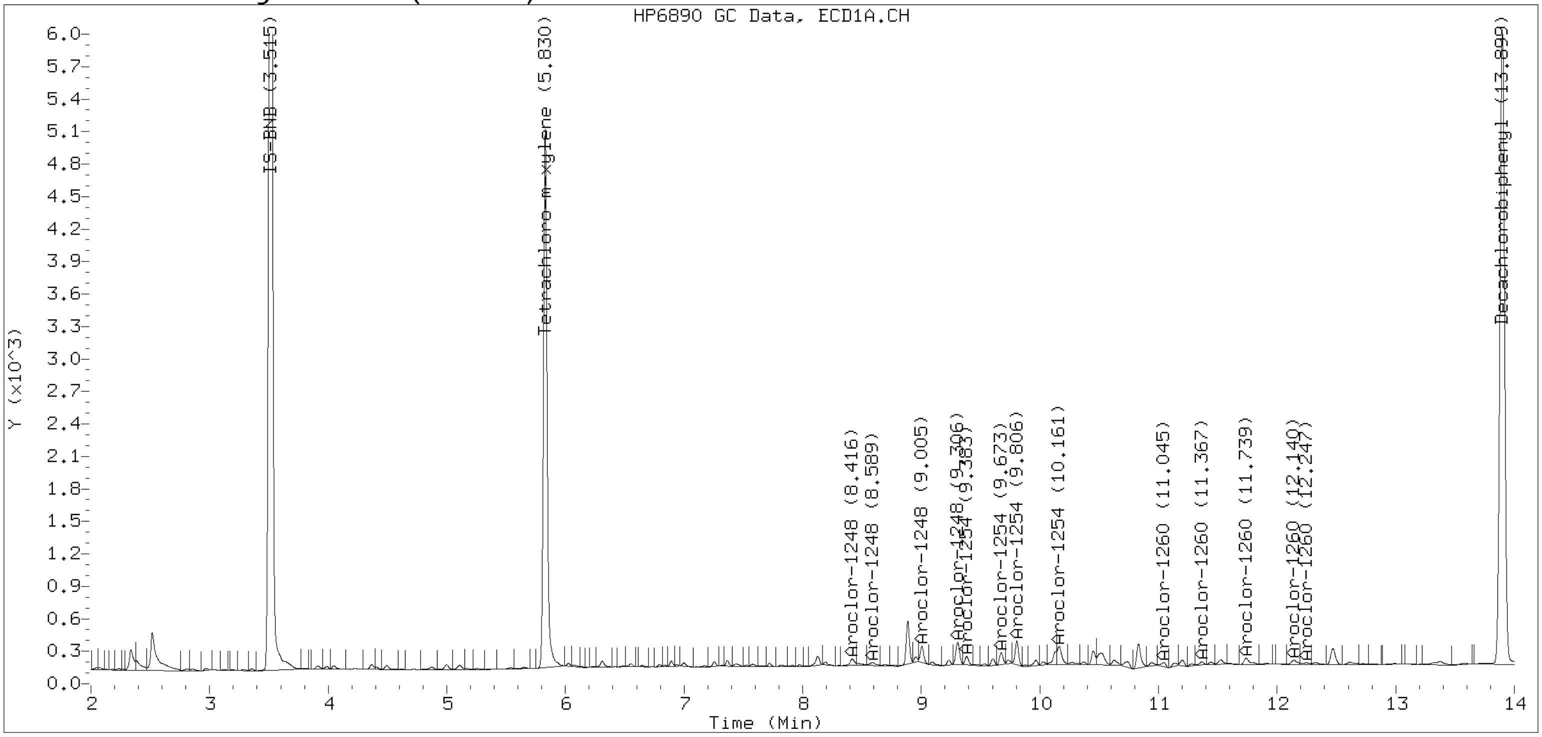


ZB-35 Manual Integration: YES

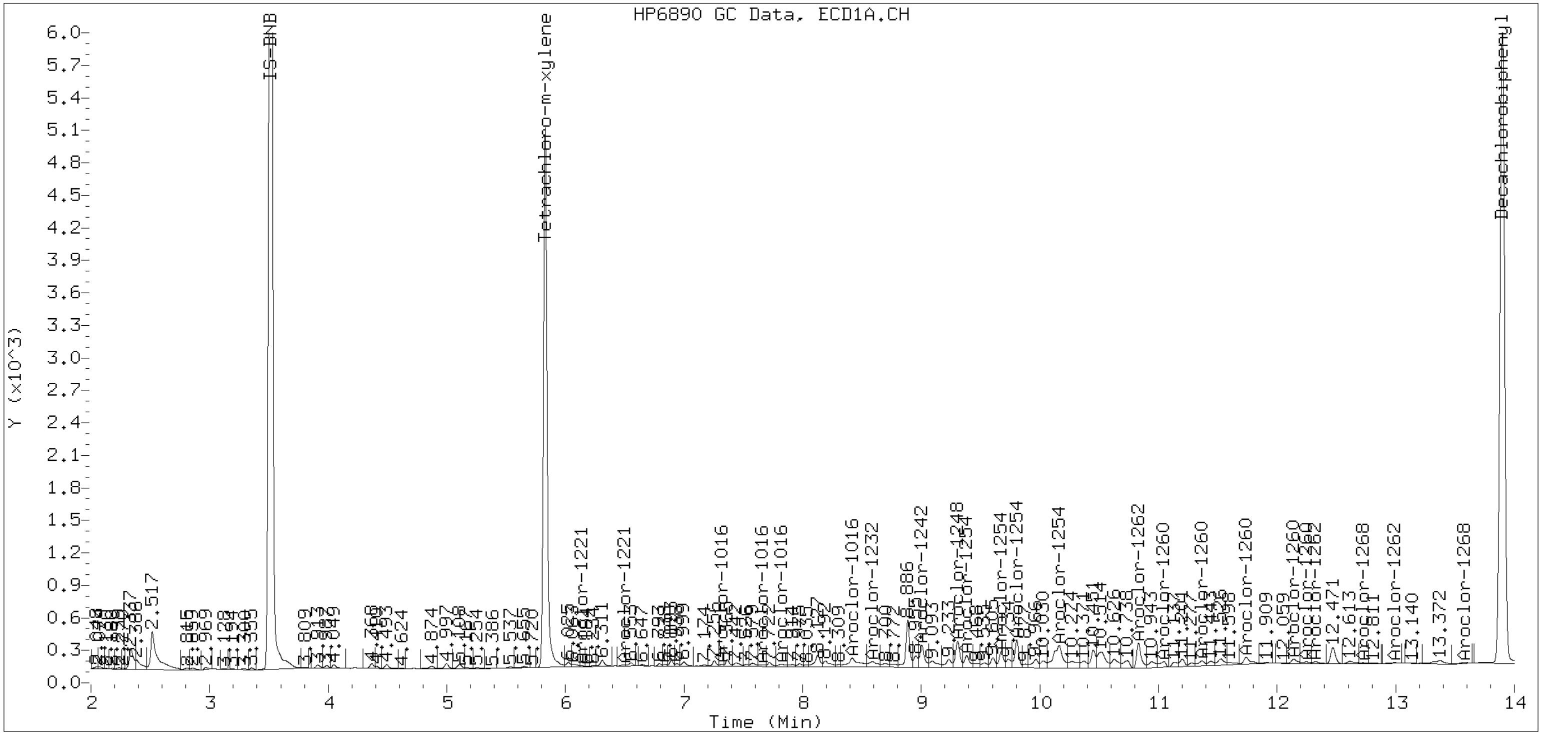
Manual Peak Adjustment, ZB-5

Datafile: ecd7.i/221231.b/12312241ECD7.D   Injection Date: 01-JAN-2023 00:13

Manual Integration (After)



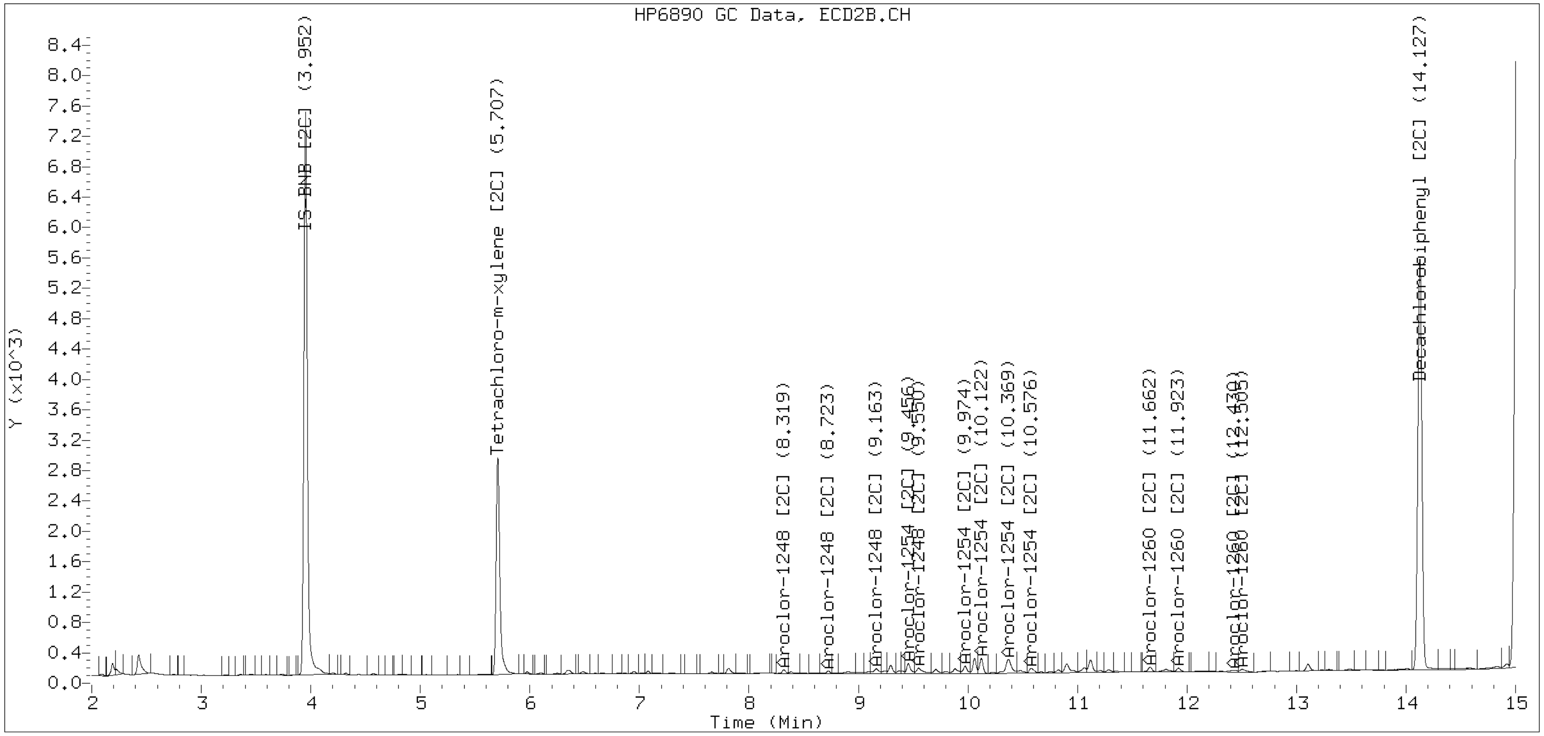
Processed Integration (Before)



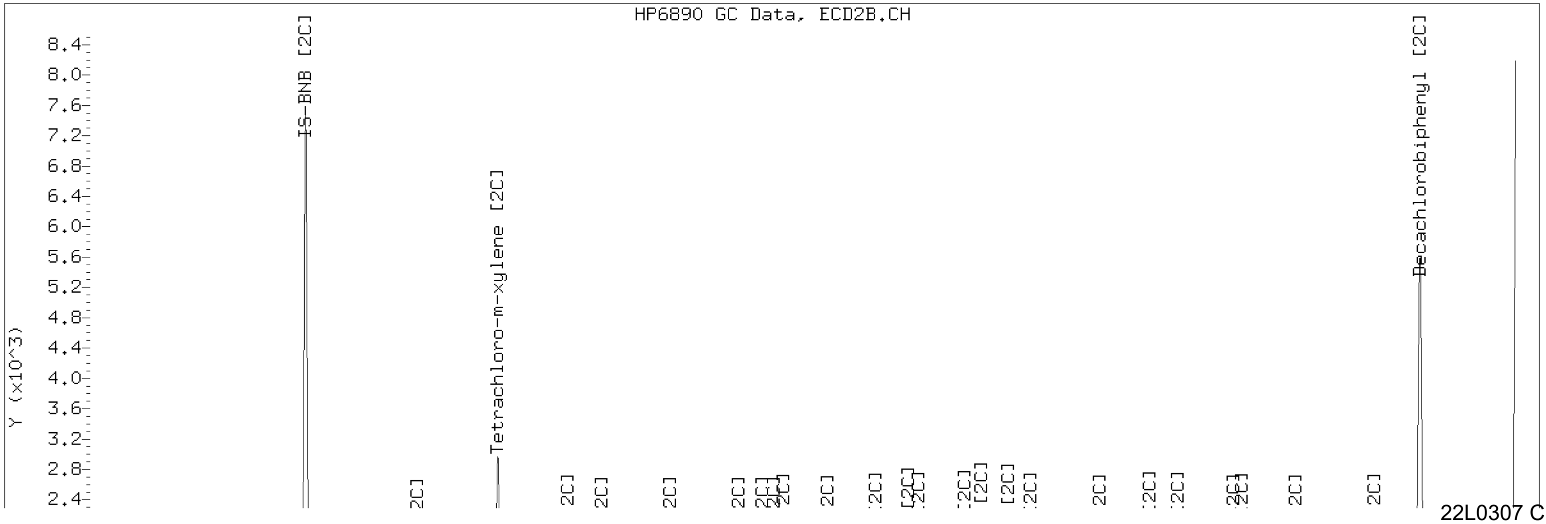
Manual Peak Adjustment, ZB-35

Datafile: ecd7.i/221231.b/221231.b/12312241ECD7.D   Injection Date: 01-JAN-2023 00:13

Manual Integration (After)



Processed Integration (Before)



Analytical Resources, LLC
Analytical Chemists and Consultants

LDW22-IT795F

Dual Column

ORGANIC ANALYSIS DATA SHEET
EPA 8082A

Laboratory:	Analytical Resources, LLC			SDG:	22L0307
Client:	Anchor QEA, LLC				
Project:	AOC4 UR Phase 3				
Matrix:	Solid	Laboratory ID:	22L0307-13 B	File ID:	12312242ECD7.D
Sampled:	12/12/22 07:47	Prepared:	12/27/22 14:11	Analyzed:	01/01/23 00:34
% Solids:	79.29	Preparation:	EPA 3546 (Microwave)	Initial/Final:	15.87 g Wet / 2.5 mL
Batch:	BKL0581	Sequence:	SLA0071	Calibration:	FL00010
Instrument:	ECD7	Column 1:	ZB5	Column 2:	ZB35

CAS NO.	COMPOUND	Col #	DILUTION	CONC. (ug/kg dry)	MDL	MRL	Q
12674-11-2	Aroclor 1016	1	1	4.0	1.5	4.0	U
11104-28-2	Aroclor 1221	1	1	4.0	1.5	4.0	U
11141-16-5	Aroclor 1232	1	1	4.0	1.5	4.0	U
53469-21-9	Aroclor 1242	1	1	4.0	1.5	4.0	U
12672-29-6	Aroclor 1248	1	1	4.0	1.5	4.0	U
11097-69-1	Aroclor 1254	2	1	5.3	1.5	4.0	
11096-82-5	Aroclor 1260	1	1	4.0	0.6	4.0	U

SURROGATES	Col #	ADDED (ug/kg dry)	CONC (ug/kg dry)	% REC	QC LIMITS	Q
Decachlorobiphenyl	*1*	*7.9470*	*7.78*	*97.9*	*40 - 126*	
Tetrachlorometaxylene	*1*	*7.9470*	*6.16*	*77.5*	*44 - 120*	
Decachlorobiphenyl	*2*	*7.9470*	*7.79*	*98.0*	*40 - 126*	
Tetrachlorometaxylene	*2*	*7.9470*	*6.09*	*76.7*	*44 - 120*	

```
                          Analytical Resources Inc.
                     Dual Column 608/8082 PCB Quantitation Report

Data file 1: /221231.b/12312242ECD7.D                  ARI ID: 22L0307-13
Data file 2: /221231.b/221231.b/12312242ECD7.D         Client ID:
Method: \\target\share\chem4\ecd7.i\221231.b\PCB.m      Injection Date: 01-JAN-2023 00:34
Compound Sublist: PCB.sub                              Report Date: 01/05/2023 17:04
Instrument, Inj. Vol.: ecd7.i, 2ul                     Matrix: NONE
Quant Method: Internal Std                             Dilution Factor:  1.0



                                 SURROGATES

       ZB5 Col          |       ZB35 Col         |   ZB5    ZB35
  RT    Shift Response | RT    Shift  Response  |  on col  on col    RPD   Compound/Flag
============================================================================================

 5.831 -0.000   221116 | 5.708  -0.002   143120|   31.0    30.7      1.1    Tetrachloro-m-xylene
13.900 -0.001   355988 |14.127  -0.003   308703|   39.2    39.2      0.1    Decachlorobiphenyl


*  Indicates RPD > 40%




                            INTERNAL STANDARD SUMMARY

                                        Column 1
                                 Standard    Sample
                  Standard Cpnd       Area*       Area      %D
               --------------------------------------------------
                 Bromo-Nitrobenzene    447645      503182   12.4
                 Hexabromobiphenyl     798898      991762   24.1

                                        Column 2
                                 Standard    Sample
                  Standard Cpnd       Area*       Area      %D
               --------------------------------------------------
                 Bromo-Nitrobenzene    249094     340534    36.7
                 Hexabromobiphenyl     362541     554891    53.1


                * Standard Areas taken from Initial Cal Level 3
                  Initial Calibration Date: 03-DEC-2022
               <- Indicates standard response outside Limits (-50 to +100%)
```

```
                             ZB5 Col                          ZB35 Col
 Aroclor   Peak#    RT    Shift    Area    Amount    Peak#   RT     Shift    Area   Amount
 ========================================================================================
 Aroclor-1016 1      ---                     0.0      1     ---                      0.0
 Aroclor-1016 2      ---                     0.0      2     ---                      0.0
 Aroclor-1016 3      ---                     0.0      3     ---                      0.0
 Aroclor-1016 4      ---                     0.0      4     ---                      0.0
             Col1Ave: <3 Quant Peaks                   Col2Ave: <3 Quant Peaks

 Aroclor-1221 1      ---                     0.0      1     ---                      0.0
 Aroclor-1221 2      ---                     0.0      2     ---                      0.0
 Aroclor-1221 3      ---                     0.0      3     ---                      0.0
             Col1Ave: <3 Quant Peaks                   Col2Ave: <3 Quant Peaks

 Aroclor-1232 1      ---                     0.0      1     ---                      0.0
 Aroclor-1232 2      ---                     0.0      2     ---                      0.0
 Aroclor-1232 3      ---                     0.0      3     ---                      0.0
 Aroclor-1232 4      ---                     0.0      4     ---                      0.0
             Col1Ave: <3 Quant Peaks                   Col2Ave: <3 Quant Peaks

 Aroclor-1242 1      ---                     0.0      1     ---                      0.0
 Aroclor-1242 2      ---                     0.0      2     ---                      0.0
 Aroclor-1242 3      ---                     0.0      3     ---                      0.0
 Aroclor-1242 4      ---                     0.0      4     ---                      0.0
             Col1Ave: <3 Quant Peaks                   Col2Ave: <3 Quant Peaks

 Aroclor-1248 1      ---                     0.0      1     ---                      0.0
 Aroclor-1248 2      ---                     0.0      2     ---                      0.0
 Aroclor-1248 3      ---                     0.0      3     ---                      0.0
 Aroclor-1248 4      ---                     0.0      4     ---                      0.0
             Col1Ave: <3 Quant Peaks                   Col2Ave: <3 Quant Peaks

 Aroclor-1254 1   9.309  -0.012     10296    23.2      1    9.458  -0.003     6663    30.3
 Aroclor-1254 2   9.385  -0.017      5449    31.6      2    9.975  -0.004     2377    13.5
 Aroclor-1254 3   9.676  -0.018      2669     9.5      3   10.126  -0.005     9899    26.1
 Aroclor-1254 4   9.811  -0.020     12263    22.5      4   10.372  -0.006    13310    33.9
 Aroclor-1254 5  10.164  -0.026     10902    29.2      5   10.575  -0.000     5649    29.8
       Total Col1Ave (5 peaks):    23.2       Total Col2Ave (5 peaks):    26.7   RPD = 14
       Corrected Ave (4 peaks):    21.1       Corrected Ave (4 peaks):    24.9   RPD = 17

 Aroclor-1260 1      ---                     0.0      1     ---                      0.0
 Aroclor-1260 2      ---                     0.0      2     ---                      0.0
 Aroclor-1260 3      ---                     0.0      3     ---                      0.0
 Aroclor-1260 4      ---                     0.0      4     ---                      0.0
 Aroclor-1260 5      ---                     0.0      NS    ---                     ----
             Col1Ave: <3 Quant Peaks                   Col2Ave: <3 Quant Peaks

 Aroclor-1262 1      ---                     0.0      1     ---                      0.0
 Aroclor-1262 2      ---                     0.0      2     ---                      0.0
 Aroclor-1262 3      ---                     0.0      3     ---                      0.0
 Aroclor-1262 4      ---                     0.0      4     ---                      0.0
             Col1Ave: <3 Quant Peaks                   Col2Ave: <3 Quant Peaks

 Aroclor-1268 1      ---                     0.0      1     ---                      0.0
 Aroclor-1268 2      ---                     0.0      2     ---                      0.0
 Aroclor-1268 3      ---                     0.0      3     ---                      0.0
 Aroclor-1268 4      ---                     0.0      4     ---                      0.0
             Col1Ave: <3 Quant Peaks                   Col2Ave: <3 Quant Peaks
```

```
Total PCB Area Col1 (5.932 - 13.801) =     183098     Col1 Total PCB = 0.0 ppm*

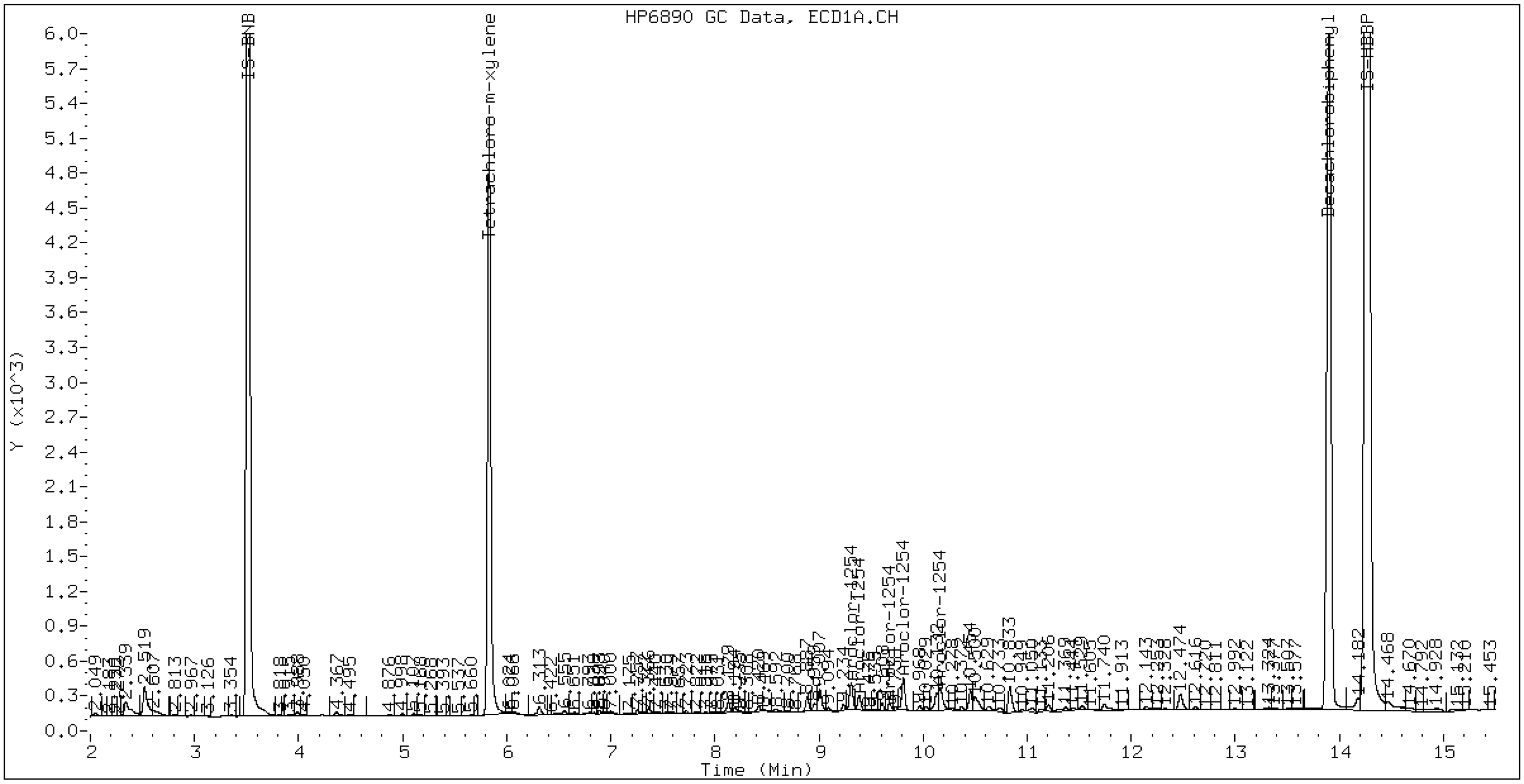
Total PCB Area Col2 (5.810 - 14.030) =     143363     Col2 Total PCB = 0.0 ppm*

  *  Quantitated against AR1660 0.25ppm in Ical
```

PCB-Form 10 Mod.

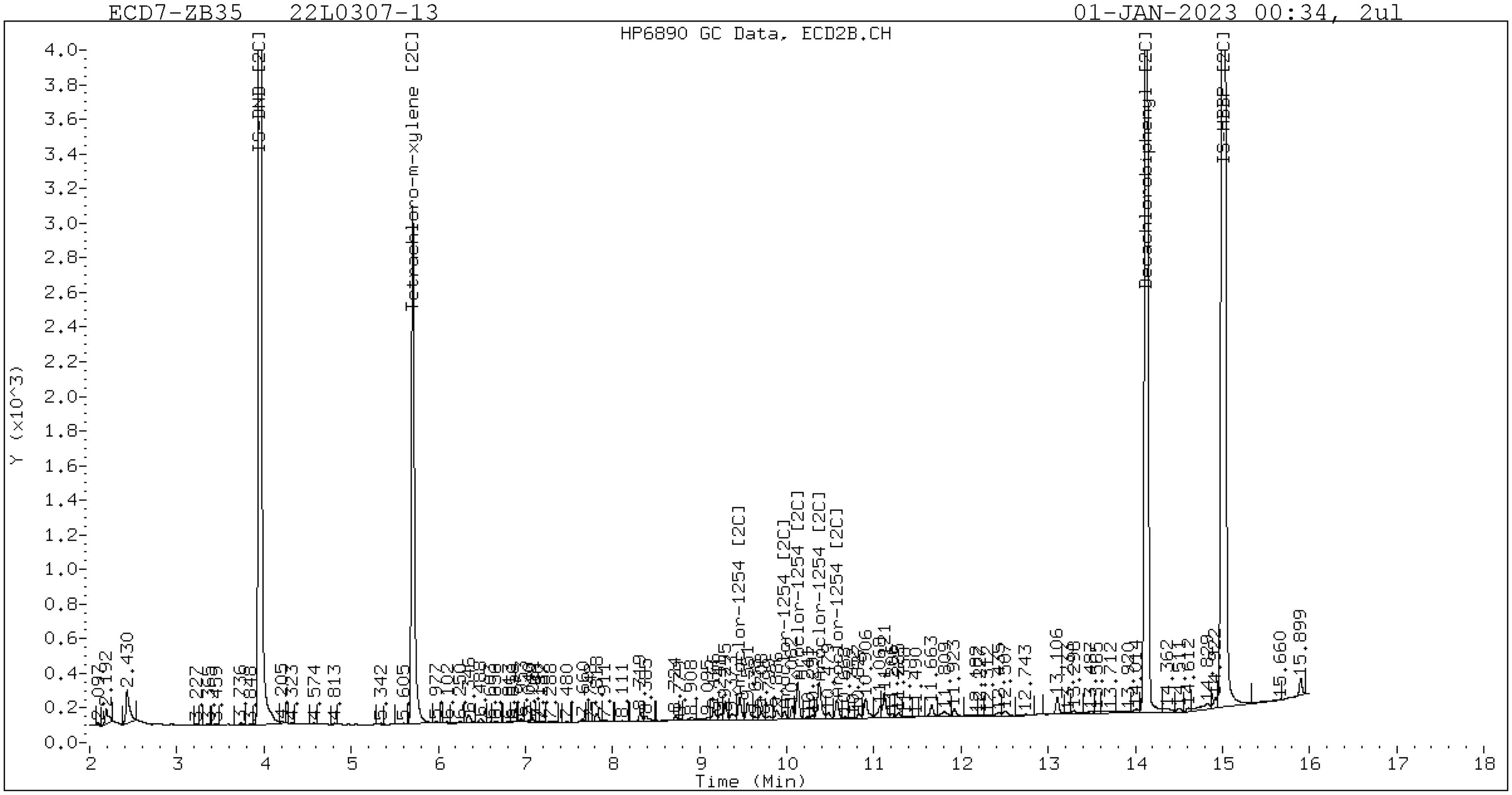
PCB Dual Column Chromatograms

ECD7-ZB5 22L0307-13 01-JAN-2023 00:34, 2ul



ZB-5 Manual Integration: YES

ECD7-ZB35 22L0307-13 01-JAN-2023 00:34, 2ul

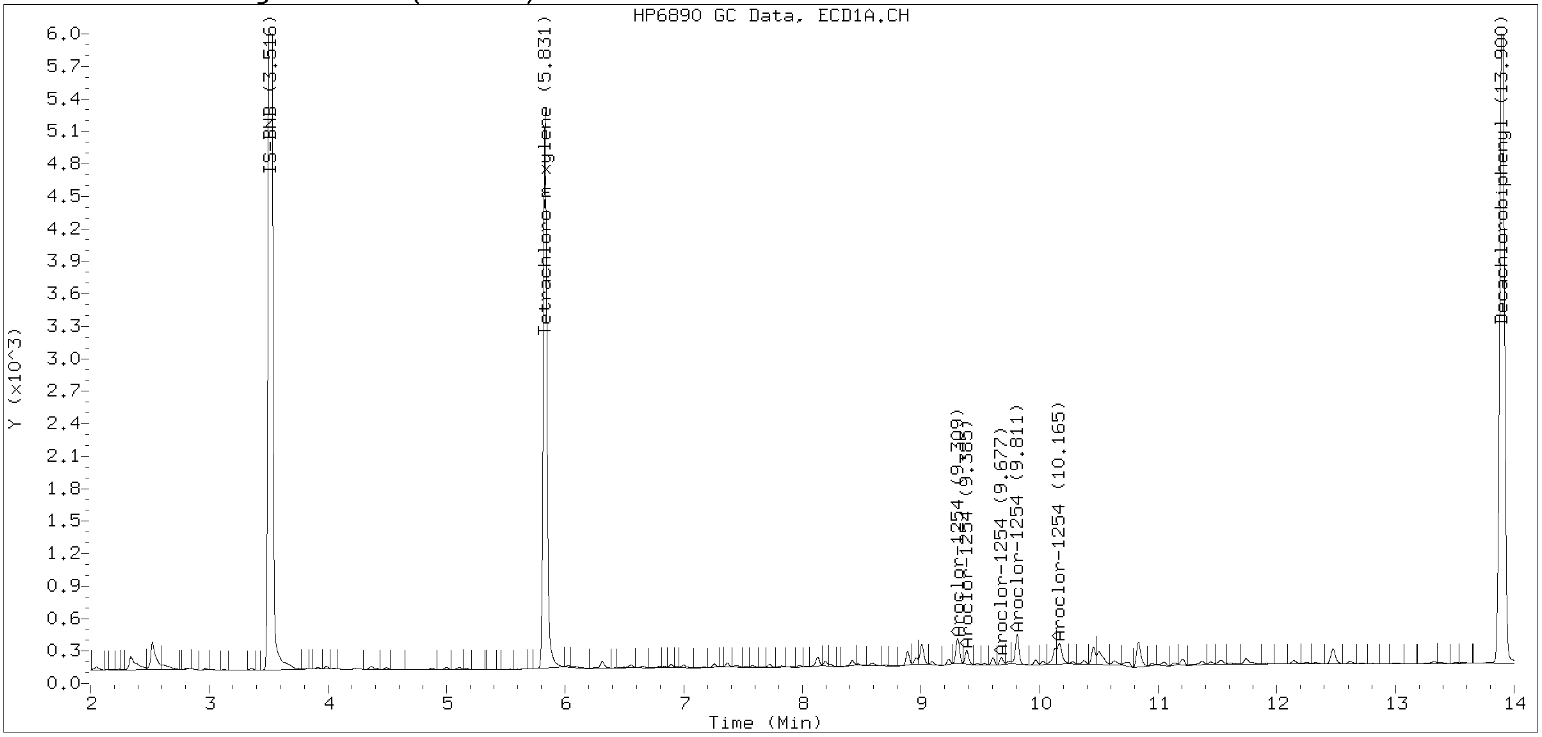


ZB-35 Manual Integration: NO

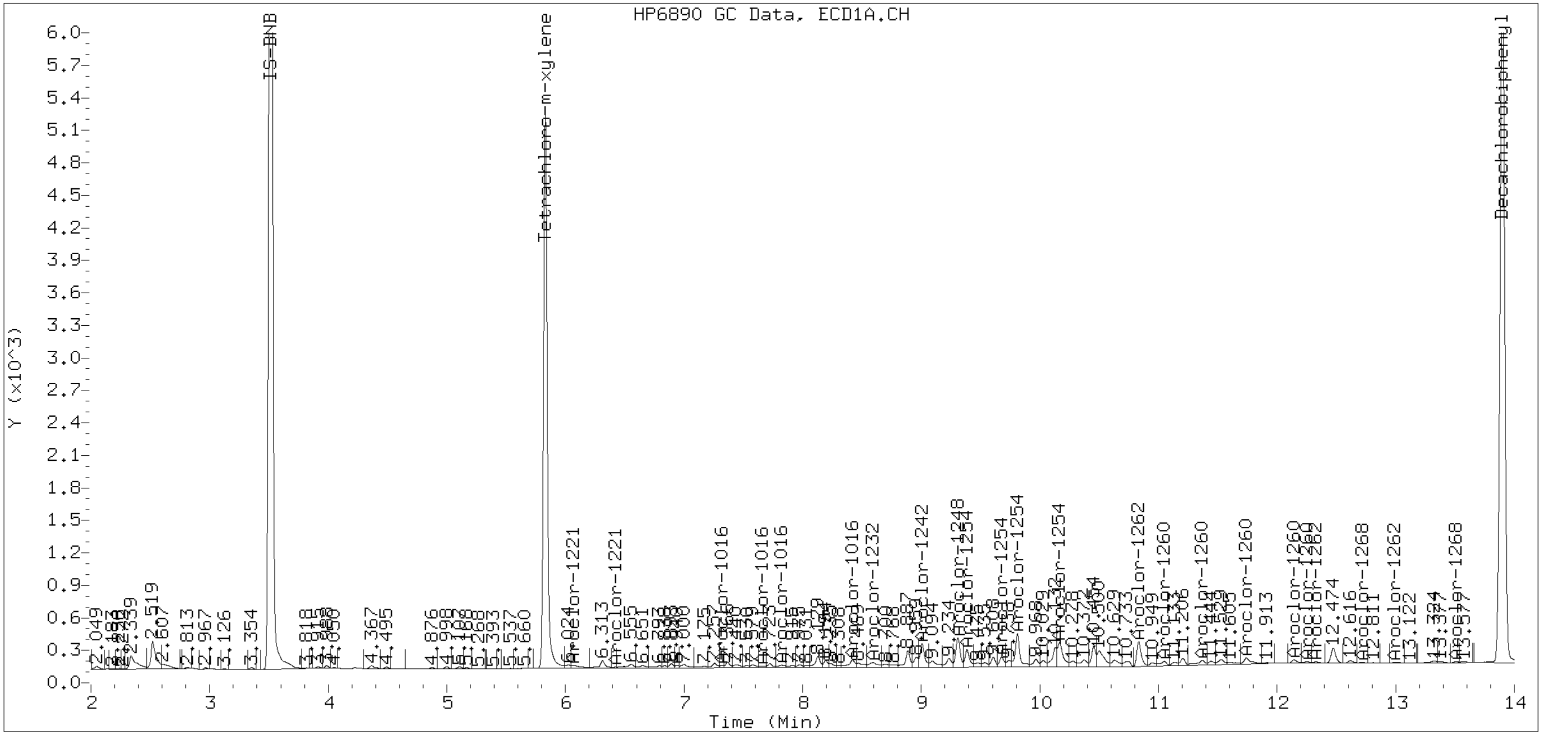
Manual Peak Adjustment, ZB-5

Datafile: ecd7.i/221231.b/12312242ECD7.D   Injection Date: 01-JAN-2023 00:34

Manual Integration (After)



Processed Integration (Before)



LDW22-IT795G

Dual Column

ORGANIC ANALYSIS DATA SHEET
EPA 8082A

Laboratory:	Analytical Resources, LLC			SDG:	22L0307
Client:	Anchor QEA, LLC				
Project:	AOC4 UR Phase 3				
Matrix:	Solid	Laboratory ID:	22L0307-14 B	File ID:	12312243ECD7.D
Sampled:	12/12/22 07:47	Prepared:	12/27/22 14:11	Analyzed:	01/01/23 00:55
% Solids:	78.13	Preparation:	EPA 3546 (Microwave)	Initial/Final:	16.02 g Wet / 2.5 mL
Batch:	BKL0581	Sequence:	SLA0071	Calibration:	FL00010
Instrument:	ECD7	Column 1:	ZB5	Column 2:	ZB35

CAS NO.	COMPOUND	Col #	DILUTION	CONC. (ug/kg dry)	MDL	MRL	Q
12674-11-2	Aroclor 1016	1	1	4.0	1.6	4.0	U
11104-28-2	Aroclor 1221	1	1	4.0	1.6	4.0	U
11141-16-5	Aroclor 1232	1	1	4.0	1.6	4.0	U
53469-21-9	Aroclor 1242	1	1	4.0	1.6	4.0	U
12672-29-6	Aroclor 1248	1	1	4.0	1.6	4.0	U
11097-69-1	Aroclor 1254	1	1	16.0	1.6	4.0	
11096-82-5	Aroclor 1260	2	1	4.0	0.6	4.0	

SURROGATES	Col #	ADDED (ug/kg dry)	CONC (ug/kg dry)	% REC	QC LIMITS	Q
Decachlorobiphenyl	*1*	*7.9895*	*7.48*	*93.7*	*40 - 126*	
Tetrachlorometaxylene	*1*	*7.9895*	*5.84*	*73.1*	*44 - 120*	
Decachlorobiphenyl	*2*	*7.9895*	*7.17*	*89.8*	*40 - 126*	
Tetrachlorometaxylene	*2*	*7.9895*	*5.90*	*73.9*	*44 - 120*	

```
                                  Analytical Resources Inc.
                             Dual Column 608/8082 PCB Quantitation Report

 Data file 1: /221231.b/12312243ECD7.D                       ARI ID: 22L0307-14
 Data file 2: /221231.b/221231.b/12312243ECD7.D              Client ID:
 Method: \\target\share\chem4\ecd7.i\221231.b\PCB.m          Injection Date: 01-JAN-2023 00:55
 Compound Sublist: PCB.sub                                   Report Date: 01/05/2023 17:04
 Instrument, Inj. Vol.: ecd7.i, 2ul                          Matrix: NONE
 Quant Method: Internal Std                                  Dilution Factor:  1.0



                                     SURROGATES

        ZB5 Col          |        ZB35 Col         |   ZB5    ZB35
   RT    Shift Response | RT    Shift  Response   |  on col  on col    RPD   Compound/Flag
 ========================================================================================

  5.829 -0.003   213995 | 5.706  -0.004   136290|   29.2    29.6      1.1    Tetrachloro-m-xylene
 13.899 -0.002   321983 |14.125  -0.005   274318|   37.5    35.9      4.3    Decachlorobiphenyl


*  Indicates RPD > 40%




                                INTERNAL STANDARD SUMMARY

                                            Column 1
                                     Standard    Sample
                  Standard Cpnd       Area*       Area      %D
              --------------------------------------------------
                Bromo-Nitrobenzene    447645      516353   15.3
                Hexabromobiphenyl     798898      937625   17.4

                                            Column 2
                                     Standard    Sample
                  Standard Cpnd       Area*       Area      %D
              --------------------------------------------------
                Bromo-Nitrobenzene    249094     336416    35.1
                Hexabromobiphenyl     362541     538179    48.4


               * Standard Areas taken from Initial Cal Level 3
                 Initial Calibration Date: 03-DEC-2022
              <- Indicates standard response outside Limits (-50 to +100%)
```

```
//target/share/chem4/ecd7.i/221231.b/12312243ECD7.D      22L0307-14                        page 2
                             ZB5 Col                          ZB35 Col
 Aroclor   Peak#    RT    Shift    Area    Amount    Peak#   RT     Shift    Area   Amount
 ========================================================================================
 Aroclor-1016 1      ---                     0.0      1     ---                      0.0
 Aroclor-1016 2      ---                     0.0      2     ---                      0.0
 Aroclor-1016 3      ---                     0.0      3     ---                      0.0
 Aroclor-1016 4      ---                     0.0      4     ---                      0.0
             Col1Ave: <3 Quant Peaks                   Col2Ave: <3 Quant Peaks

 Aroclor-1221 1      ---                     0.0      1     ---                      0.0
 Aroclor-1221 2      ---                     0.0      2     ---                      0.0
 Aroclor-1221 3      ---                     0.0      3     ---                      0.0
             Col1Ave: <3 Quant Peaks                   Col2Ave: <3 Quant Peaks

 Aroclor-1232 1      ---                     0.0      1     ---                      0.0
 Aroclor-1232 2      ---                     0.0      2     ---                      0.0
 Aroclor-1232 3      ---                     0.0      3     ---                      0.0
 Aroclor-1232 4      ---                     0.0      4     ---                      0.0
             Col1Ave: <3 Quant Peaks                   Col2Ave: <3 Quant Peaks

 Aroclor-1242 1      ---                     0.0      1     ---                      0.0
 Aroclor-1242 2      ---                     0.0      2     ---                      0.0
 Aroclor-1242 3      ---                     0.0      3     ---                      0.0
 Aroclor-1242 4      ---                     0.0      4     ---                      0.0
             Col1Ave: <3 Quant Peaks                   Col2Ave: <3 Quant Peaks

 Aroclor-1248 1      ---                     0.0      1     ---                      0.0
 Aroclor-1248 2      ---                     0.0      2     ---                      0.0
 Aroclor-1248 3      ---                     0.0      3     ---                      0.0
 Aroclor-1248 4      ---                     0.0      4     ---                      0.0
             Col1Ave: <3 Quant Peaks                   Col2Ave: <3 Quant Peaks

 Aroclor-1254 1   9.307  -0.015     33807    74.4      1    9.456  -0.005    17050    78.6
 Aroclor-1254 2   9.383  -0.019     14547    82.3      2    9.974  -0.005    11784    67.6
 Aroclor-1254 3   9.675  -0.019     18675    65.0      3   10.124  -0.006    26879    71.7
 Aroclor-1254 4   9.810  -0.020     46031    82.2      4   10.369  -0.009    37357    96.2
 Aroclor-1254 5  10.161  -0.028     37234    97.0      5   10.573  -0.003    15201    81.2
       Total Col1Ave (5 peaks):    80.2       Total Col2Ave (5 peaks):    79.1   RPD = 1
       Corrected Ave (4 peaks):    76.0       Corrected Ave (4 peaks):    74.8   RPD = 2

 Aroclor-1260 1  11.049  -0.013      5398    15.8      1   11.661  -0.002    11032    38.8
 Aroclor-1260 2  11.368  -0.010      6199    17.6      2   11.922  -0.003     9027    12.7
 Aroclor-1260 3  11.739  -0.013     15101    16.3      3   12.440  -0.005     2696    14.2
 Aroclor-1260 4  12.140  -0.019      9300    19.7      4   12.504  -0.005     6877    14.5
 Aroclor-1260 5  12.250  -0.012      3266    16.9      NS    ---                     ----
       Total Col1Ave (5 peaks):    17.2       Total Col2Ave (4 peaks):    20.0   RPD = 15
       Corrected Ave (4 peaks):    16.6       Corrected Ave (3 peaks):    13.8   RPD = 19

 Aroclor-1262 1      ---                     0.0      1     ---                      0.0
 Aroclor-1262 2      ---                     0.0      2     ---                      0.0
 Aroclor-1262 3      ---                     0.0      3     ---                      0.0
 Aroclor-1262 4      ---                     0.0      4     ---                      0.0
             Col1Ave: <3 Quant Peaks                   Col2Ave: <3 Quant Peaks

 Aroclor-1268 1      ---                     0.0      1     ---                      0.0
 Aroclor-1268 2      ---                     0.0      2     ---                      0.0
 Aroclor-1268 3      ---                     0.0      3     ---                      0.0
 Aroclor-1268 4      ---                     0.0      4     ---                      0.0
             Col1Ave: <3 Quant Peaks                   Col2Ave: <3 Quant Peaks
```

Total PCB Area Col1 (5.932 - 13.801) = 848312 Col1 Total PCB = 0.2 ppm*

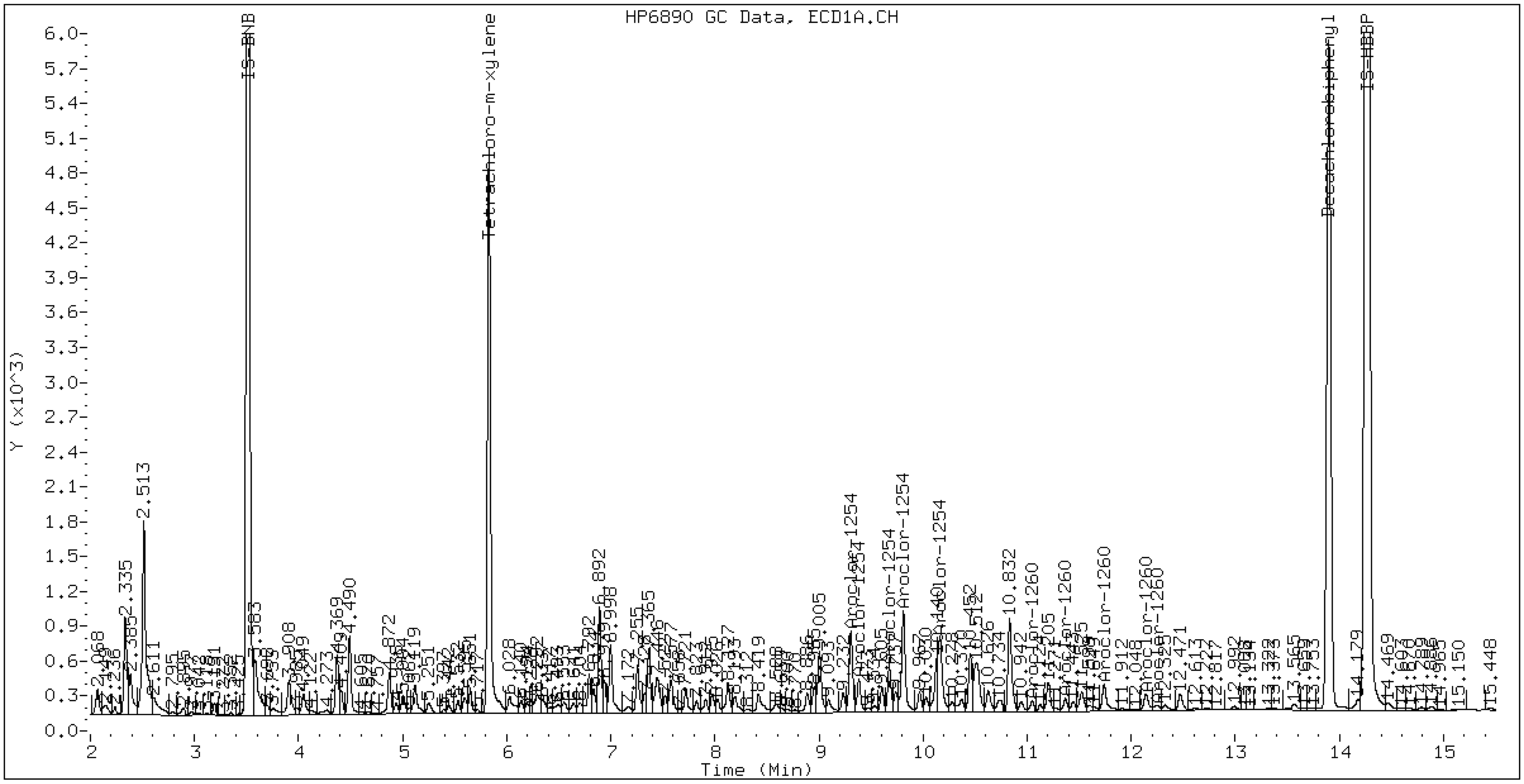
Total PCB Area Col2 (5.810 - 14.030) = 498059 Col2 Total PCB = 0.2 ppm*

* Quantitated against AR1660 0.25ppm in Ical

PCB-Form 10 Mod.

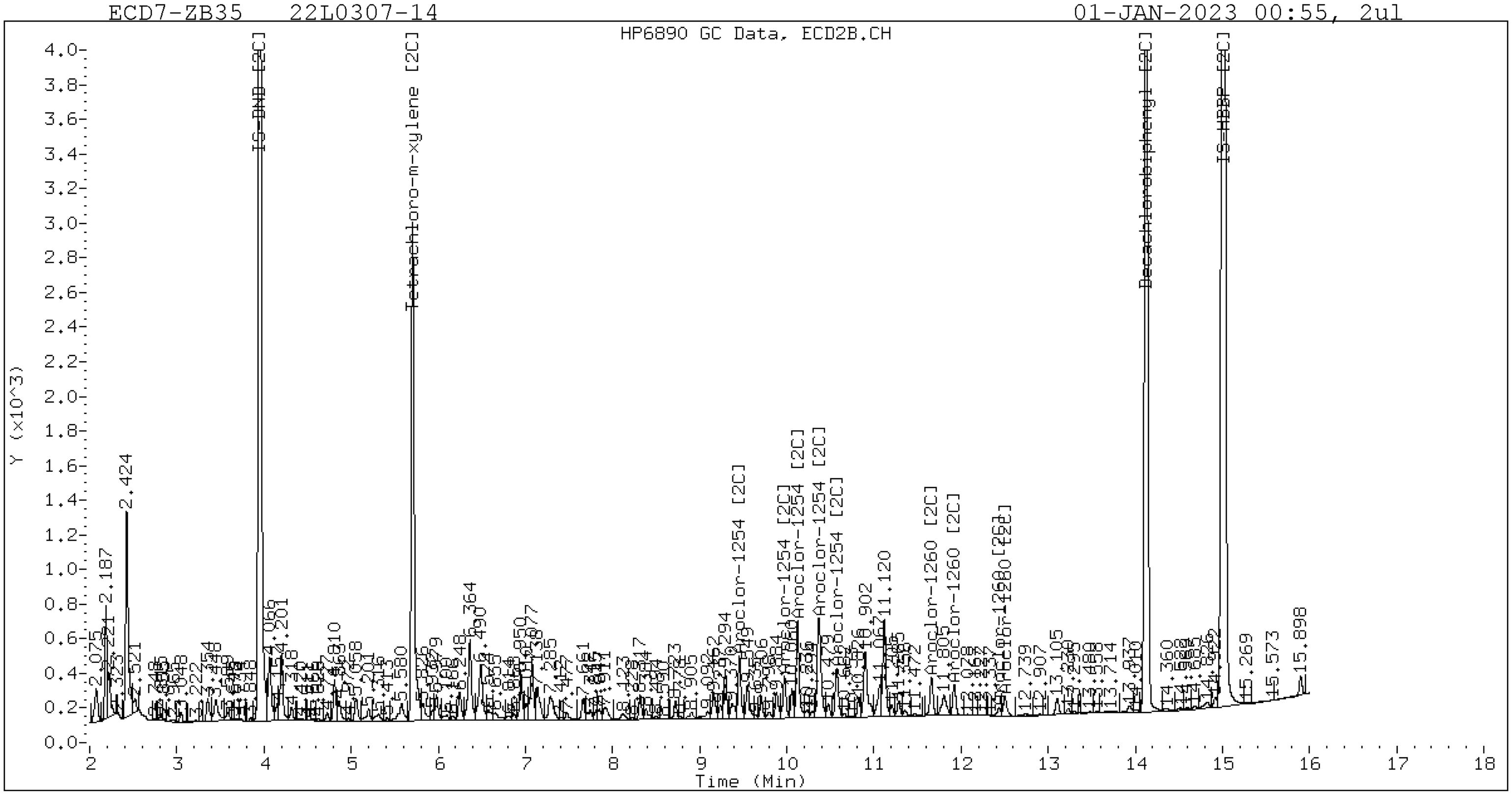
PCB Dual Column Chromatograms

ECD7-ZB5 22L0307-14 01-JAN-2023 00:55, 2ul



ZB-5 Manual Integration: YES

ECD7-ZB35 22L0307-14 01-JAN-2023 00:55, 2ul

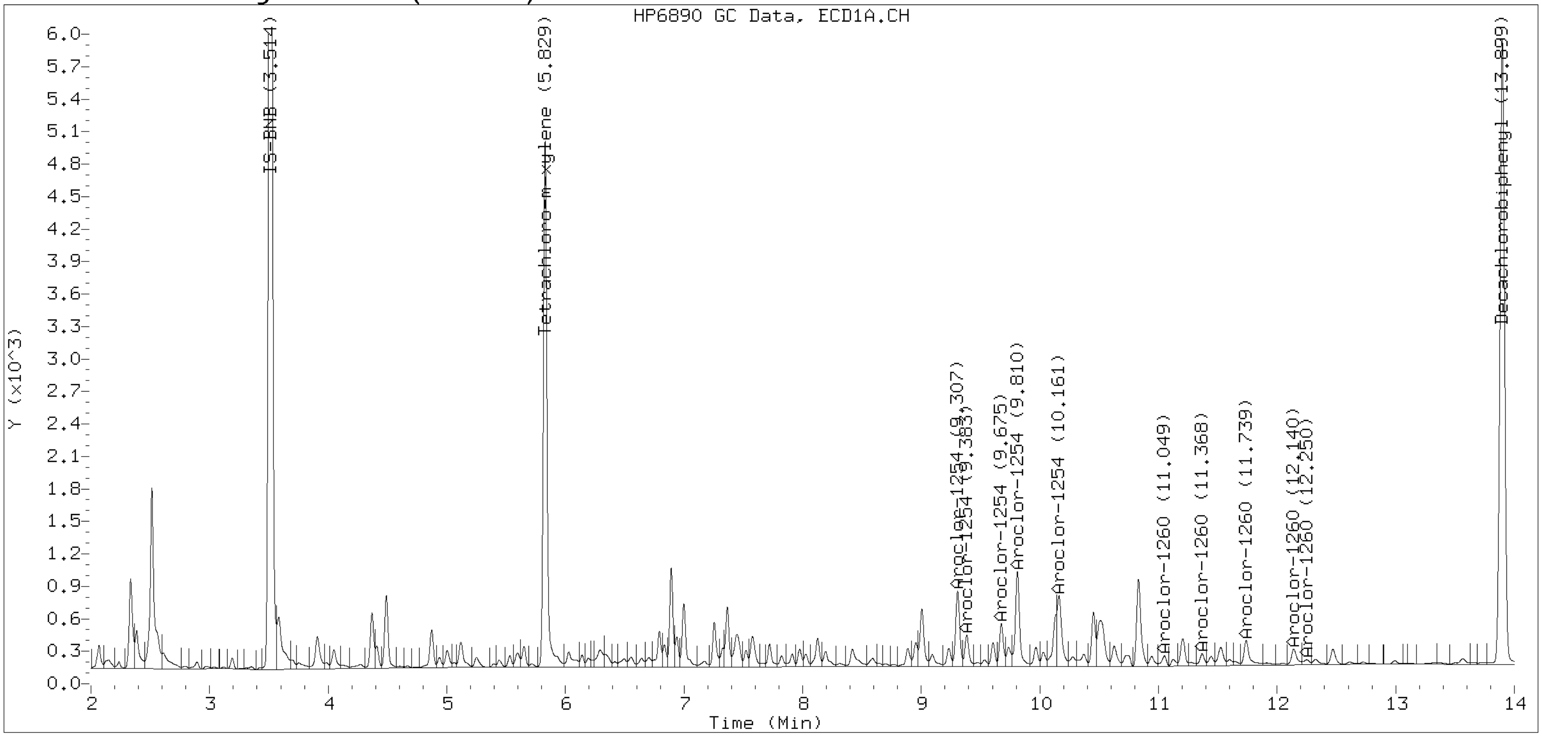


ZB-35 Manual Integration: NO

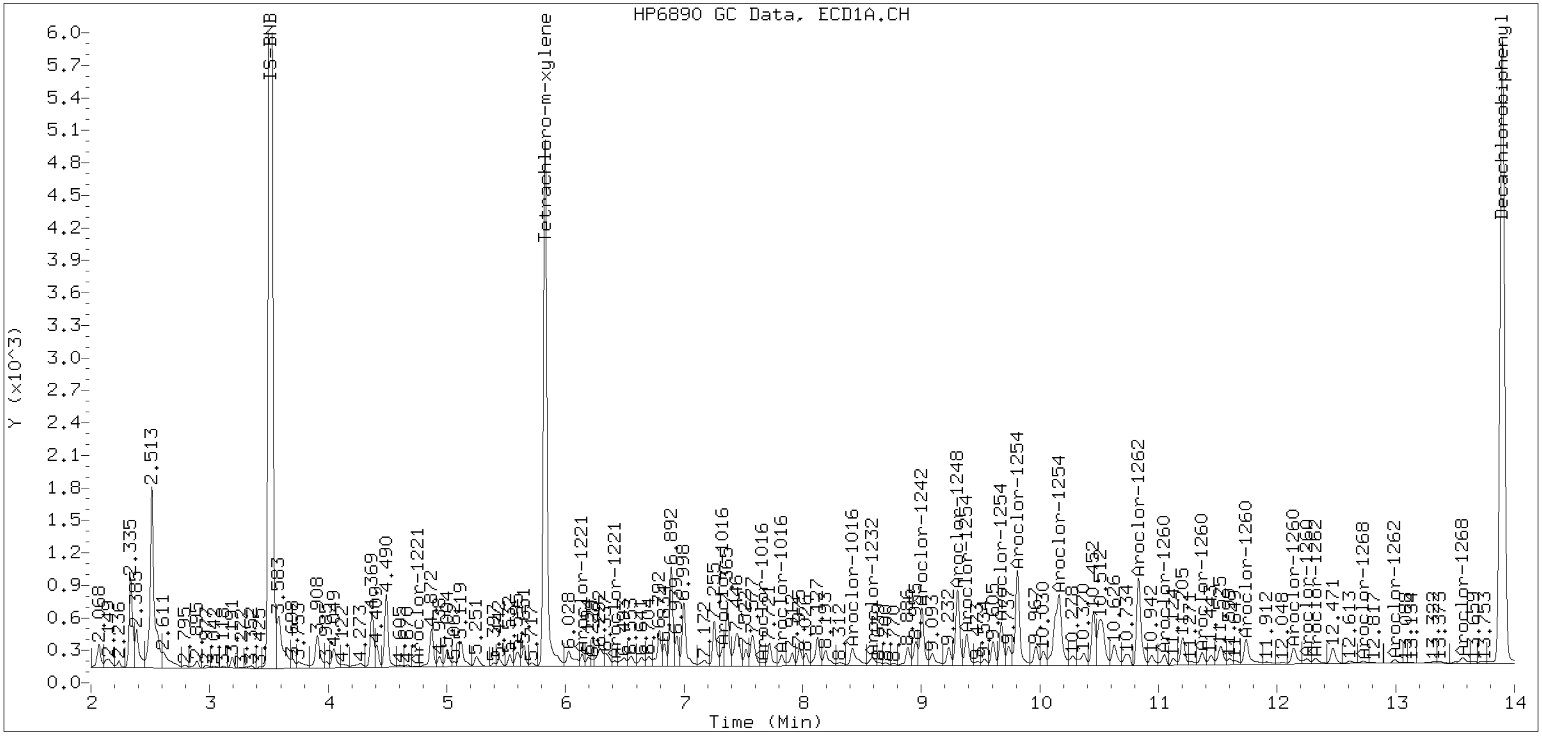
Manual Peak Adjustment, ZB-5

Datafile: ecd7.i/221231.b/12312243ECD7.D   Injection Date: 01-JAN-2023 00:55

Manual Integration (After)



Processed Integration (Before)



LDW22-IT806A

Dual Column

ORGANIC ANALYSIS DATA SHEET
EPA 8082A

Laboratory: Analytical Resources, LLC

SDG: 22L0307

Client: Anchor QEA, LLC

Project: AOC4 UR Phase 3

Matrix:	Solid	Laboratory ID:	22L0307-15 B	File ID:	12312244ECD7.D
Sampled:	12/12/22 08:35	Prepared:	12/27/22 14:11	Analyzed:	01/01/23 01:16
% Solids:	75.44	Preparation:	EPA 3546 (Microwave)	Initial/Final:	16.61 g Wet / 2.5 mL
Batch:	BKL0581	Sequence:	SLA0071	Calibration:	FL00010
Instrument:	ECD7	Column 1:	ZB5	Column 2:	ZB35

CAS NO.	COMPOUND	Col #	DILUTION	CONC. (ug/kg dry)	MDL	MRL	Q
12674-11-2	Aroclor 1016	1	1	4.0	1.6	4.0	U
11104-28-2	Aroclor 1221	1	1	4.0	1.6	4.0	U
11141-16-5	Aroclor 1232	1	1	4.0	1.6	4.0	U
53469-21-9	Aroclor 1242	1	1	4.0	1.6	4.0	U
12672-29-6	Aroclor 1248	1	1	14.0	1.6	4.0	
11097-69-1	Aroclor 1254	2	1	75.9	1.6	4.0	
11096-82-5	Aroclor 1260	2	1	39.3	0.6	4.0	

SURROGATES	Col #	ADDED (ug/kg dry)	CONC (ug/kg dry)	% REC	QC LIMITS	Q
Decachlorobiphenyl	*1*	*7.9805*	*8.12*	*102*	*40 - 126*	
Tetrachlorometaxylene	*1*	*7.9805*	*5.48*	*68.6*	*44 - 120*	
Decachlorobiphenyl	*2*	*7.9805*	*7.04*	*88.2*	*40 - 126*	
Tetrachlorometaxylene	*2*	*7.9805*	*5.45*	*68.4*	*44 - 120*	

```
                              Analytical Resources Inc.
                         Dual Column 608/8082 PCB Quantitation Report

Data file 1: /221231.b/12312244ECD7.D                  ARI ID: 22L0307-15
Data file 2: /221231.b/221231.b/12312244ECD7.D         Client ID:
Method: \\target\share\chem4\ecd7.i\221231.b\PCB.m     Injection Date: 01-JAN-2023 01:16
Compound Sublist: PCB.sub                              Report Date: 01/06/2023 11:42
Instrument, Inj. Vol.: ecd7.i, 2ul                     Matrix: NONE
Quant Method: Internal Std                             Dilution Factor:  1.0



                                 SURROGATES

       ZB5 Col         |       ZB35 Col         |  ZB5    ZB35
  RT    Shift Response | RT    Shift  Response  |  on col  on col    RPD   Compound/Flag
==========================================================================================

 5.827 -0.006   206805 | 5.703  -0.007   131829|   27.4    27.3      0.4    Tetrachloro-m-xylene
13.896 -0.006   301336 |14.124  -0.006   247632|   40.7    35.3     14.3    Decachlorobiphenyl


*  Indicates RPD > 40%



                            INTERNAL STANDARD SUMMARY

                                        Column 1
                                 Standard    Sample
                 Standard Cpnd      Area*       Area      %D
              --------------------------------------------------
                Bromo-Nitrobenzene    447645      531696   18.8
                Hexabromobiphenyl     798898      807874    1.1

                                        Column 2
                                 Standard    Sample
                 Standard Cpnd      Area*       Area      %D
              --------------------------------------------------
                Bromo-Nitrobenzene    249094     351751    41.2
                Hexabromobiphenyl     362541     494548    36.4


               * Standard Areas taken from Initial Cal Level 3
                 Initial Calibration Date: 03-DEC-2022
              <- Indicates standard response outside Limits (-50 to +100%)
```

```
//target/share/chem4/ecd7.i/221231.b/12312244ECD7.D      22L0307-15                      page 2
                            ZB5 Col                                ZB35 Col
 Aroclor    Peak#    RT    Shift    Area    Amount    Peak#   RT     Shift    Area   Amount
 ==========================================================================================
 Aroclor-1016 1      ---                      0.0      1     ---                      0.0
 Aroclor-1016 2      ---                      0.0      2     ---                      0.0
 Aroclor-1016 3      ---                      0.0      3     ---                      0.0
 Aroclor-1016 4      ---                      0.0      4     ---                      0.0
             Col1Ave: <3 Quant Peaks                   Col2Ave: <3 Quant Peaks

 Aroclor-1221 1      ---                      0.0      1     ---                      0.0
 Aroclor-1221 2      ---                      0.0      2     ---                      0.0
 Aroclor-1221 3      ---                      0.0      3     ---                      0.0
             Col1Ave: <3 Quant Peaks                   Col2Ave: <3 Quant Peaks

 Aroclor-1232 1      ---                      0.0      1     ---                      0.0
 Aroclor-1232 2      ---                      0.0      2     ---                      0.0
 Aroclor-1232 3      ---                      0.0      3     ---                      0.0
 Aroclor-1232 4      ---                      0.0      4     ---                      0.0
             Col1Ave: <3 Quant Peaks                   Col2Ave: <3 Quant Peaks

 Aroclor-1242 1      ---                      0.0      1     ---                      0.0
 Aroclor-1242 2      ---                      0.0      2     ---                      0.0
 Aroclor-1242 3      ---                      0.0      3     ---                      0.0
 Aroclor-1242 4      ---                      0.0      4     ---                      0.0
             Col1Ave: <3 Quant Peaks                   Col2Ave: <3 Quant Peaks

 Aroclor-1248 1   8.412  -0.012      8127    35.5      1    8.314  -0.009     8490    59.1
 Aroclor-1248 2   8.583  -0.016     15455    52.9      2    8.720  -0.008     5689    37.6
 Aroclor-1248 3   9.000  -0.019     63776   121.5      3    9.156  -0.019    15101    82.1
 Aroclor-1248 4   9.302  -0.011     85657   ~~333.0~~      4    9.544  -0.051    39449   ~~182.8~~
       Total Col1Ave (4 peaks):   ~~135.7~~       Total Col2Ave (4 peaks):    ~~90.4~~   RPD = 40*
       Corrected Ave (3 peaks):    70.0       Corrected Ave (3 peaks):    59.6   RPD = 16

 Aroclor-1254 1   9.302  -0.012     85657   183.0      1    9.453  -0.009    55074   242.8
 Aroclor-1254 2   9.378  -0.015     60465   332.1      2    9.970  -0.008    32170   176.4
 Aroclor-1254 3   9.668  -0.017     58827   199.0      3   10.119  -0.011   163728   417.8
 Aroclor-1254 4   9.803  -0.017    206968   359.1      4   10.364  -0.014   174081   428.9
 Aroclor-1254 5  10.148  -0.025    134031   339.3      5   10.568  -0.008   124560   636.3
       Total Col1Ave (5 peaks):   282.5       Total Col2Ave (5 peaks):   380.4   RPD = 30
       Corrected Ave (4 peaks):   263.3       Corrected Ave (4 peaks):   316.5   RPD = 18

 Aroclor-1260 1  11.044  -0.012     48682   165.5      1   11.657  -0.007    86554   331.6
 Aroclor-1260 2  11.363  -0.010     53420   175.6      2   11.918  -0.008   106771   163.0
 Aroclor-1260 3  11.733  -0.014    111456   139.5      3   12.437  -0.008    25117   144.0
 Aroclor-1260 4  12.133  -0.017     86820   213.3      4   12.500  -0.010    65000   148.9
 Aroclor-1260 5  12.245  -0.011     21959   131.8      NS    ---                     ----
       Total Col1Ave (5 peaks):   165.2       Total Col2Ave (4 peaks):   196.9   RPD = 18
       Corrected Ave (4 peaks):   153.1       Corrected Ave (3 peaks):   151.9   RPD = 1

 Aroclor-1262 1      ---                      0.0      1     ---                      0.0
 Aroclor-1262 2      ---                      0.0      2     ---                      0.0
 Aroclor-1262 3      ---                      0.0      3     ---                      0.0
 Aroclor-1262 4      ---                      0.0      4     ---                      0.0
             Col1Ave: <3 Quant Peaks                   Col2Ave: <3 Quant Peaks

 Aroclor-1268 1      ---                      0.0      1     ---                      0.0
 Aroclor-1268 2      ---                      0.0      2     ---                      0.0
 Aroclor-1268 3      ---                      0.0      3     ---                      0.0
 Aroclor-1268 4      ---                      0.0      4     ---                      0.0
             Col1Ave: <3 Quant Peaks                   Col2Ave: <3 Quant Peaks
```

```
Total PCB Area Col1 (5.933 - 13.802) =    2629008     Col1 Total PCB = 0.5 ppm*

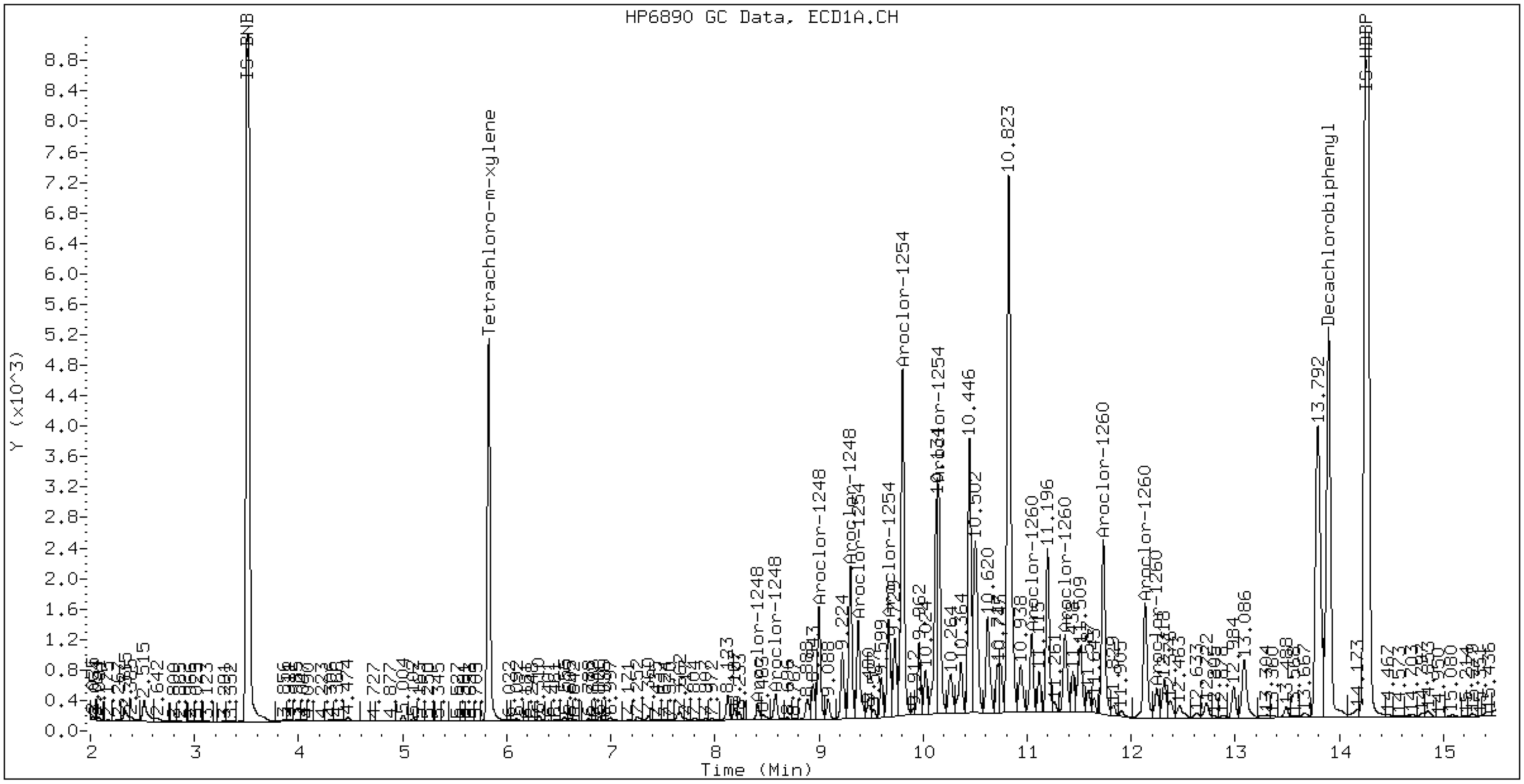
Total PCB Area Col2 (5.810 - 14.030) =    1889822     Col2 Total PCB = 0.6 ppm*
```

* Quantitated against AR1660 0.25ppm in Ical

PCB-Form 10 Mod.

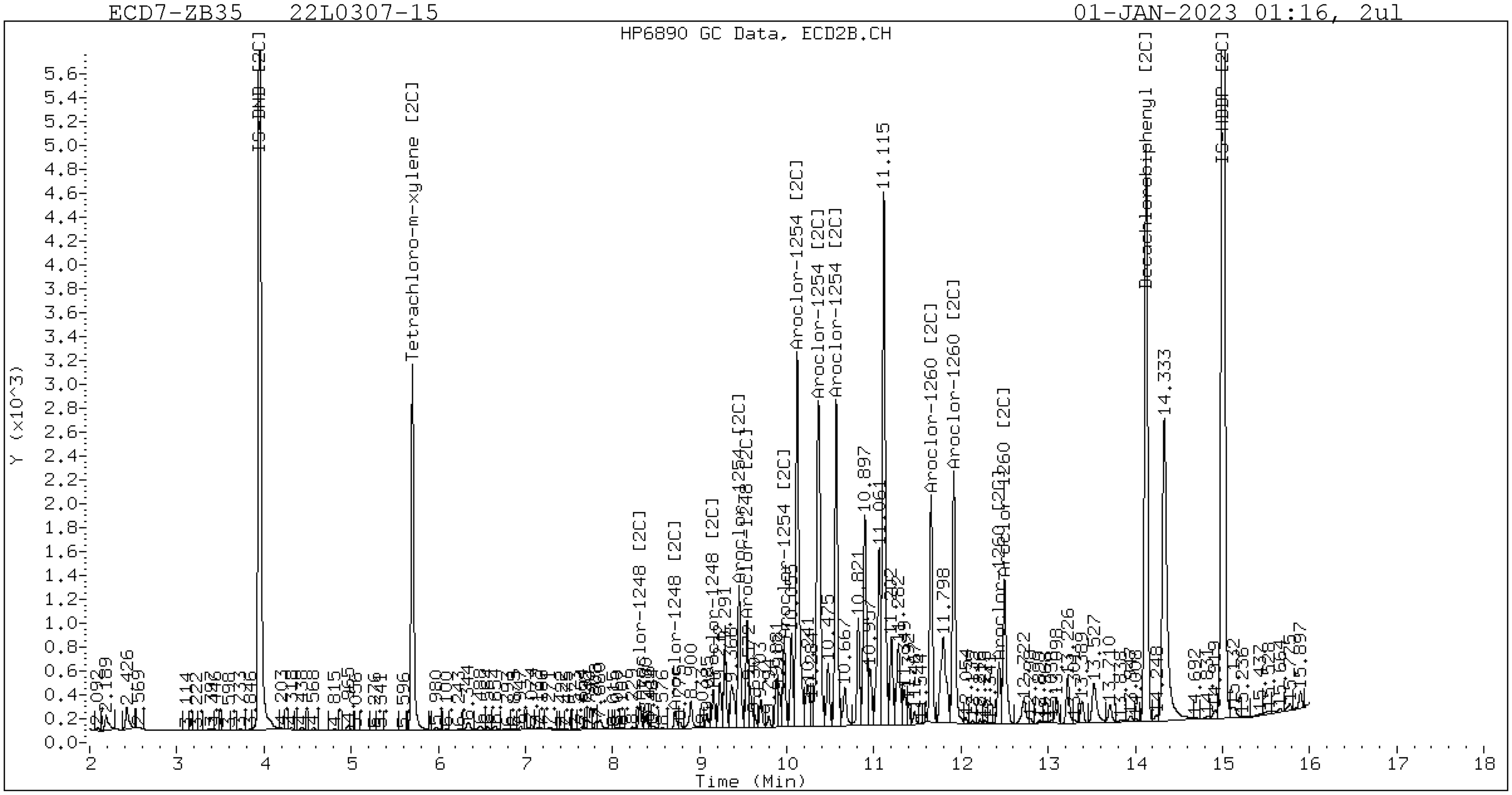
PCB Dual Column Chromatograms

ECD7-ZB5 22L0307-15 01-JAN-2023 01:16, 2ul



ZB-5 Manual Integration: YES

ECD7-ZB35 22L0307-15 01-JAN-2023 01:16, 2ul

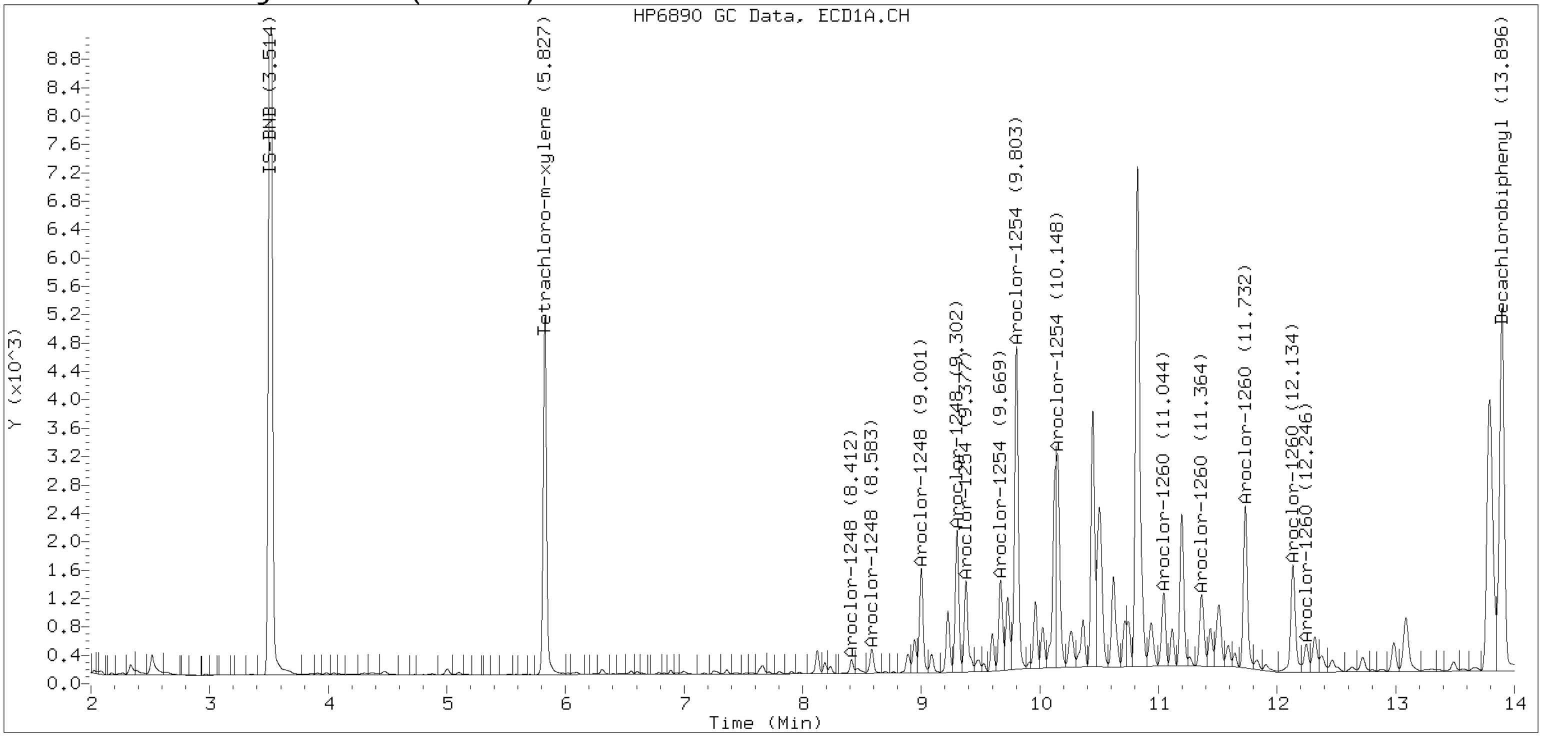


ZB-35 Manual Integration: YES

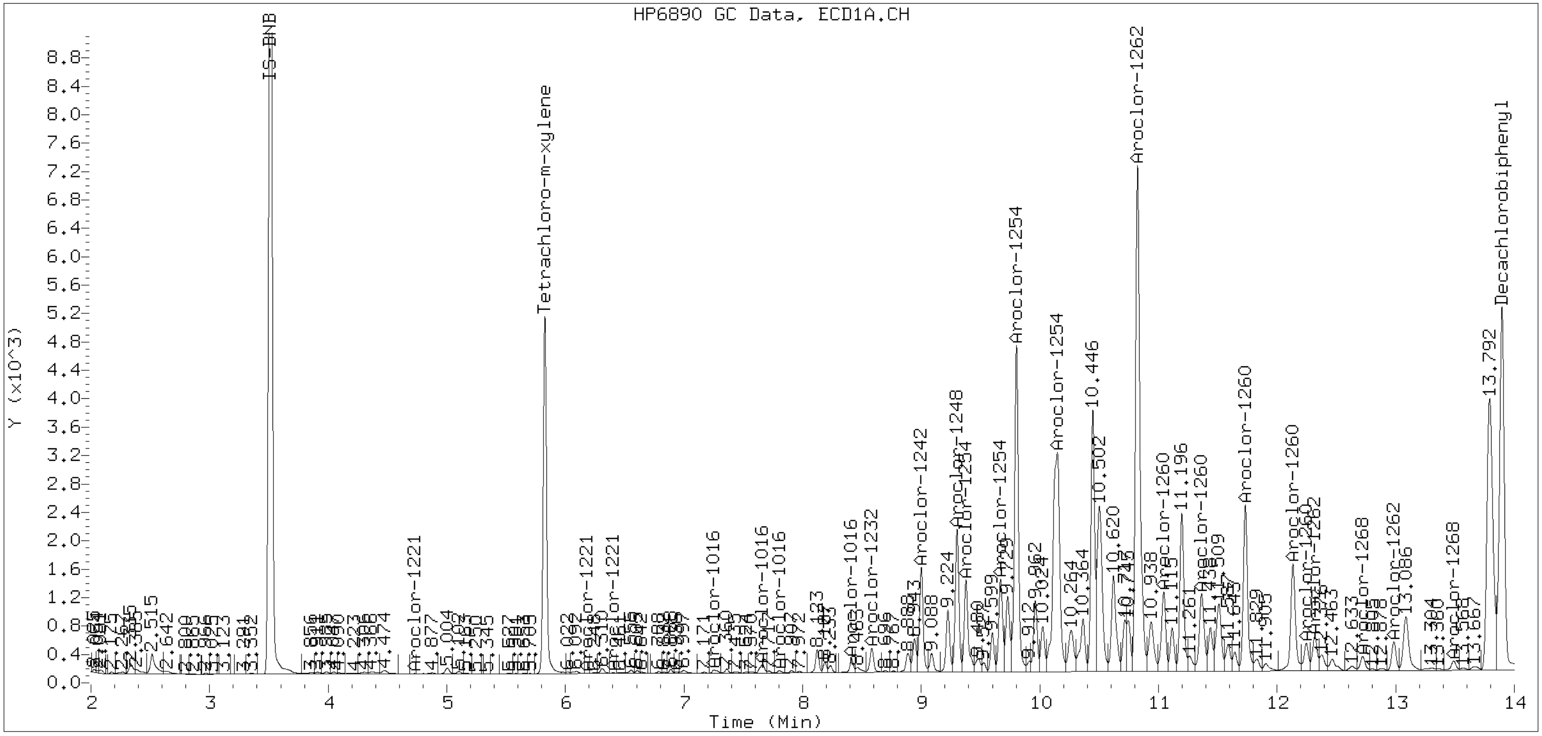
Manual Peak Adjustment, ZB-5

Datafile: ecd7.i/221231.b/12312244ECD7.D   Injection Date: 01-JAN-2023 01:16

Manual Integration (After)



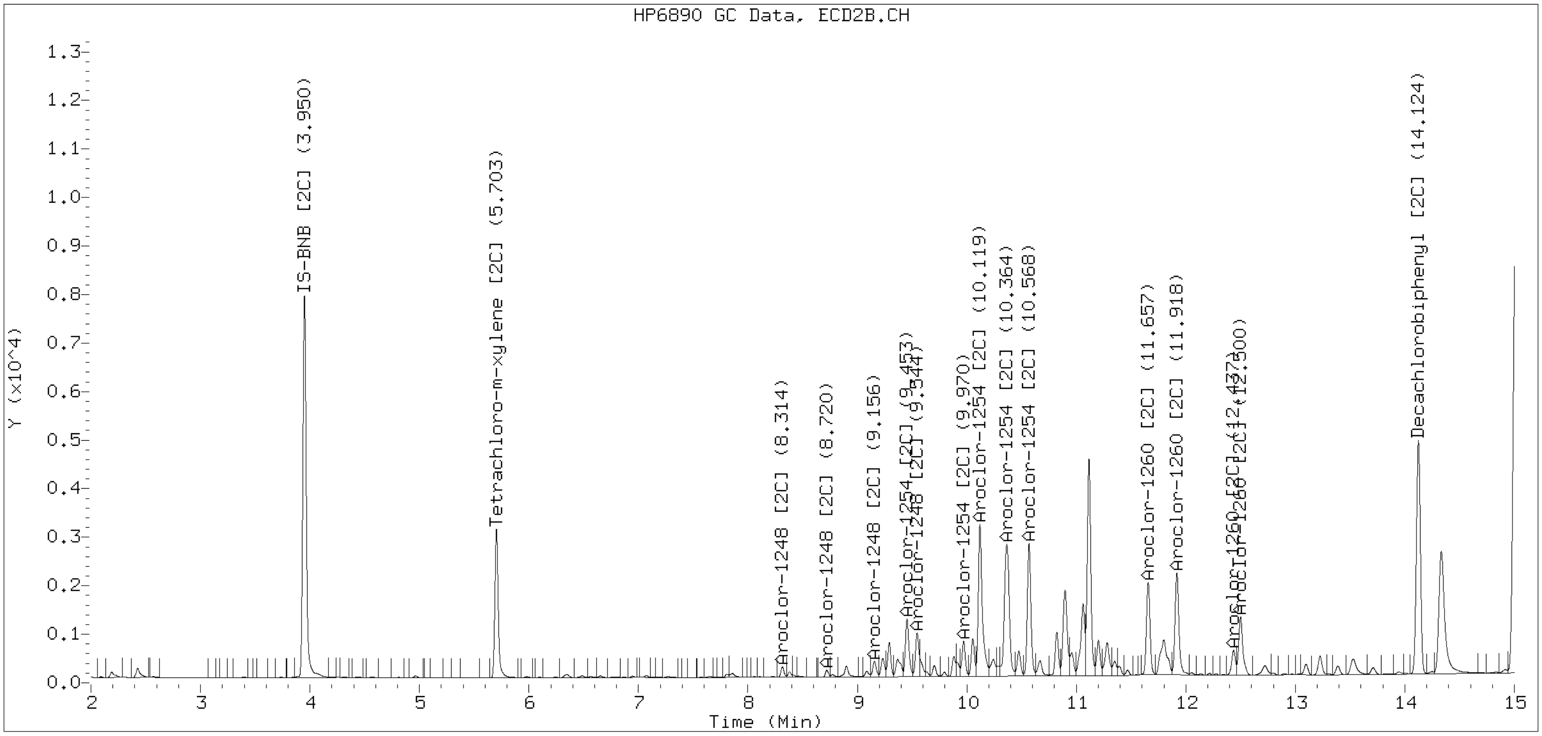
Processed Integration (Before)



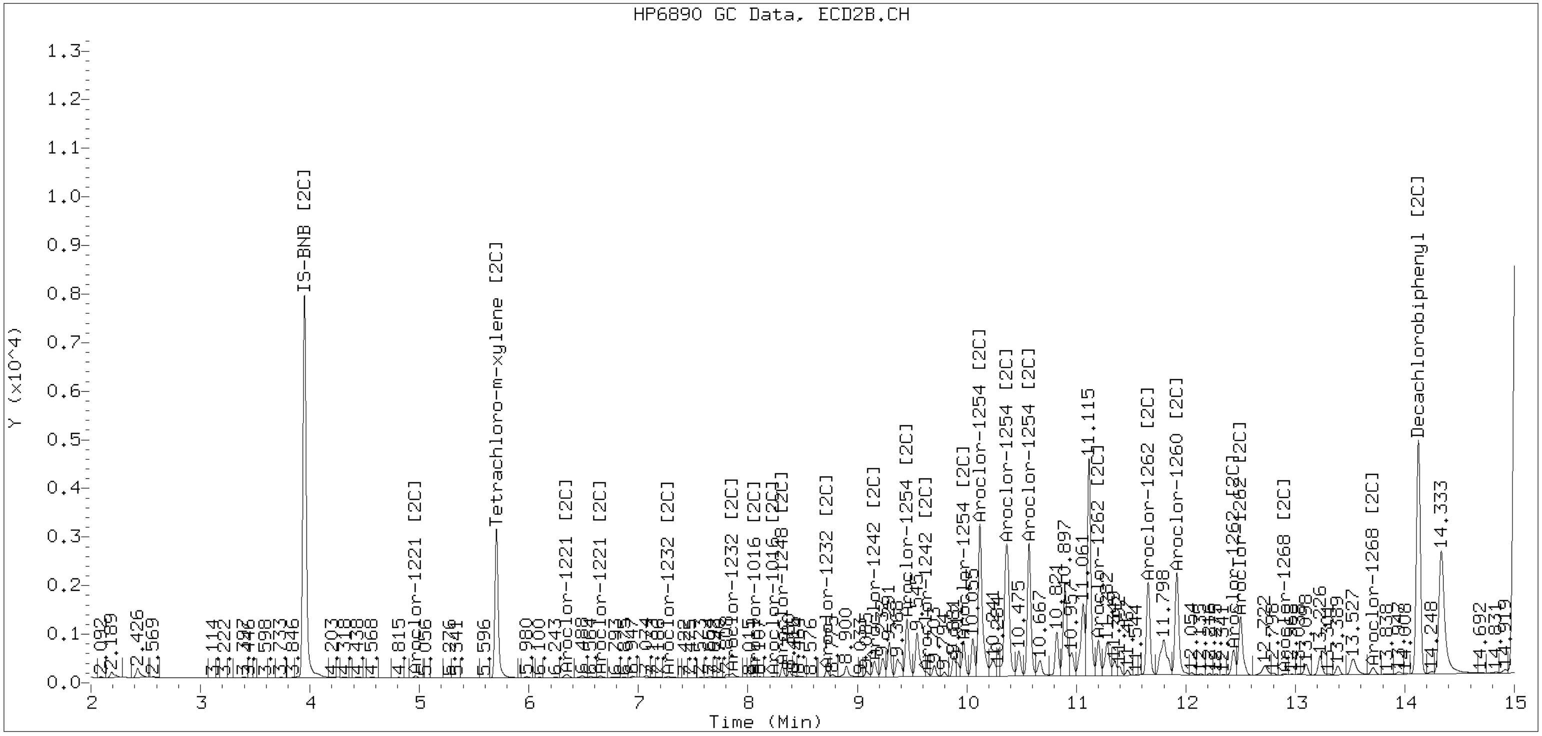
Manual Peak Adjustment, ZB-35

Datafile: ecd7.i/221231.b/221231.b/12312244ECD7.D   Injection Date: 01-JAN-2023

Manual Integration (After)



Processed Integration (Before)



LDW22-IT806B

Dual Column

ORGANIC ANALYSIS DATA SHEET
EPA 8082A

Laboratory:	Analytical Resources, LLC			SDG:	22L0307
Client:	Anchor QEA, LLC				
Project:	AOC4 UR Phase 3				
Matrix:	Solid	Laboratory ID:	22L0307-16 B	File ID:	12312245ECD7.D
Sampled:	12/12/22 08:35	Prepared:	12/27/22 14:11	Analyzed:	01/01/23 01:37
% Solids:	61.57	Preparation:	EPA 3546 (Microwave)	Initial/Final:	20.3 g Wet / 2.5 mL
Batch:	BKL0581	Sequence:	SLA0071	Calibration:	FL00010
Instrument:	ECD7	Column 1:	ZB5	Column 2:	ZB35

CAS NO.	COMPOUND	Col #	DILUTION	CONC. (ug/kg dry)	MDL	MRL	Q
12674-11-2	Aroclor 1016	1	1	4.0	1.6	4.0	U
11104-28-2	Aroclor 1221	1	1	4.0	1.6	4.0	U
11141-16-5	Aroclor 1232	1	1	4.0	1.6	4.0	U
53469-21-9	Aroclor 1242	1	1	4.0	1.6	4.0	U
12672-29-6	Aroclor 1248	1	1	53.7	1.6	4.0	
11097-69-1	Aroclor 1254	2	1	113	1.6	4.0	
11096-82-5	Aroclor 1260	2	1	59.8	0.6	4.0	

SURROGATES	Col #	ADDED (ug/kg dry)	CONC (ug/kg dry)	% REC	QC LIMITS	Q
Decachlorobiphenyl	*1*	*8.0008*	*9.22*	*115*	*40 - 126*	
Tetrachlorometaxylene	*1*	*8.0008*	*4.51*	*56.4*	*44 - 120*	
Decachlorobiphenyl	*2*	*8.0008*	*8.77*	*110*	*40 - 126*	
Tetrachlorometaxylene	*2*	*8.0008*	*5.32*	*66.5*	*44 - 120*	

```
                              Analytical Resources Inc.
                         Dual Column 608/8082 PCB Quantitation Report

 Data file 1: /221231.b/12312245ECD7.D                        ARI ID: 22L0307-16
 Data file 2: /221231.b/221231.b/12312245ECD7.D               Client ID:
 Method: \\target\share\chem4\ecd7.i\221231.b\PCB.m           Injection Date: 01-JAN-2023 01:37
 Compound Sublist: PCB.sub                                    Report Date: 01/06/2023 11:55
 Instrument, Inj. Vol.: ecd7.i, 2ul                           Matrix: NONE
 Quant Method: Internal Std                                   Dilution Factor:  1.0



                                     SURROGATES

        ZB5 Col          |       ZB35 Col         |   ZB5    ZB35
   RT    Shift Response | RT    Shift  Response  |  on col  on col    RPD   Compound/Flag
 ==========================================================================================

  5.827 -0.006   165346 | 5.704  -0.006   115631|   22.5    26.6     16.6    Tetrachloro-m-xylene
 13.895 -0.008   216665 |14.123  -0.007   223113|   46.1    43.8      5.1    Decachlorobiphenyl


*  Indicates RPD > 40%



                                INTERNAL STANDARD SUMMARY

                                            Column 1
                                     Standard    Sample
                  Standard Cpnd       Area*       Area      %D
              --------------------------------------------------
                Bromo-Nitrobenzene    447645      517544   15.6
                Hexabromobiphenyl     798898      512627  -35.8

                                            Column 2
                                     Standard    Sample
                  Standard Cpnd       Area*       Area      %D
              --------------------------------------------------
                Bromo-Nitrobenzene    249094     316920    27.2
                Hexabromobiphenyl     362541     358549    -1.1


               * Standard Areas taken from Initial Cal Level 3
                 Initial Calibration Date: 03-DEC-2022
              <- Indicates standard response outside Limits (-50 to +100%)
```

```
//target/share/chem4/ecd7.i/221231.b/12312245ECD7.D      22L0307-16                  page 2
                           ZB5 Col                                ZB35 Col
 Aroclor   Peak#    RT    Shift    Area    Amount    Peak#   RT     Shift    Area   Amount
 ==========================================================================================
 Aroclor-1016 1      ---                    0.0      1     ---                       0.0
 Aroclor-1016 2      ---                    0.0      2     ---                       0.0
 Aroclor-1016 3      ---                    0.0      3     ---                       0.0
 Aroclor-1016 4      ---                    0.0      4     ---                       0.0
             Col1Ave: <3 Quant Peaks                   Col2Ave: <3 Quant Peaks

 Aroclor-1221 1      ---                    0.0      1     ---                       0.0
 Aroclor-1221 2      ---                    0.0      2     ---                       0.0
 Aroclor-1221 3      ---                    0.0      3     ---                       0.0
             Col1Ave: <3 Quant Peaks                   Col2Ave: <3 Quant Peaks

 Aroclor-1232 1      ---                    0.0      1     ---                       0.0
 Aroclor-1232 2      ---                    0.0      2     ---                       0.0
 Aroclor-1232 3      ---                    0.0      3     ---                       0.0
 Aroclor-1232 4      ---                    0.0      4     ---                       0.0
             Col1Ave: <3 Quant Peaks                   Col2Ave: <3 Quant Peaks

 Aroclor-1242 1      ---                    0.0      1     ---                       0.0
 Aroclor-1242 2      ---                    0.0      2     ---                       0.0
 Aroclor-1242 3      ---                    0.0      3     ---                       0.0
 Aroclor-1242 4      ---                    0.0      4     ---                       0.0
             Col1Ave: <3 Quant Peaks                   Col2Ave: <3 Quant Peaks

 Aroclor-1248 1   8.410  -0.015     26394   118.6      1    8.313  -0.010    26836   207.3
 Aroclor-1248 2   8.577  -0.022     20573    72.4      2    8.719  -0.009    19676   144.5
 Aroclor-1248 3   8.998  -0.021    111698   218.5      3    9.151  -0.023    38103   230.0
 Aroclor-1248 4   9.299  -0.013    166450   664.7      4    9.542  -0.053    58502   300.9
       Total Col1Ave (4 peaks):   268.6      Total Col2Ave (4 peaks):   220.7   RPD = 20
       Corrected Ave (3 peaks):   136.5      Corrected Ave (3 peaks):   193.9   RPD = 35

 Aroclor-1254 1   9.299  -0.014    166450   365.3      1    9.450  -0.011   103434   506.2
 Aroclor-1254 2   9.374  -0.019     68659   387.4      2    9.968  -0.010    63336   385.5
 Aroclor-1254 3   9.667  -0.018    125944   437.6      3   10.117  -0.013   191727   543.0
 Aroclor-1254 4   9.798  -0.022    252701   450.4      4   10.353  -0.025   232095   634.7
 Aroclor-1254 5  10.141  -0.032    284482   739.8      5   10.565  -0.010   132712   752.4
       Total Col1Ave (5 peaks):   476.1      Total Col2Ave (5 peaks):   564.4   RPD = 17
       Corrected Ave (4 peaks):   410.2      Corrected Ave (4 peaks):   517.3   RPD = 23

 Aroclor-1260 1  11.043  -0.013     40058   214.7      1   11.654  -0.009    80200   423.8
 Aroclor-1260 2  11.359  -0.014     38590   200.0      2   11.915  -0.011   100014   210.6
 Aroclor-1260 3  11.729  -0.017    102016   201.2      3   12.432  -0.013    42771   338.2
 Aroclor-1260 4  12.129  -0.021     69463   269.0      4   12.498  -0.012    71009   224.3
 Aroclor-1260 5  12.244  -0.012     27208   257.4      NS    ---                      ----
       Total Col1Ave (5 peaks):   228.4      Total Col2Ave (4 peaks):   299.2   RPD = 27
       Corrected Ave (4 peaks):   218.3      Corrected Ave (3 peaks):   257.7   RPD = 17

 Aroclor-1262 1      ---                    0.0      1     ---                       0.0
 Aroclor-1262 2      ---                    0.0      2     ---                       0.0
 Aroclor-1262 3      ---                    0.0      3     ---                       0.0
 Aroclor-1262 4      ---                    0.0      4     ---                       0.0
             Col1Ave: <3 Quant Peaks                   Col2Ave: <3 Quant Peaks

 Aroclor-1268 1      ---                    0.0      1     ---                       0.0
 Aroclor-1268 2      ---                    0.0      2     ---                       0.0
 Aroclor-1268 3      ---                    0.0      3     ---                       0.0
 Aroclor-1268 4      ---                    0.0      4     ---                       0.0
             Col1Ave: <3 Quant Peaks                   Col2Ave: <3 Quant Peaks
```

Total PCB Area Col1 (5.933 - 13.802) = 3263388 Col1 Total PCB = 0.7 ppm*

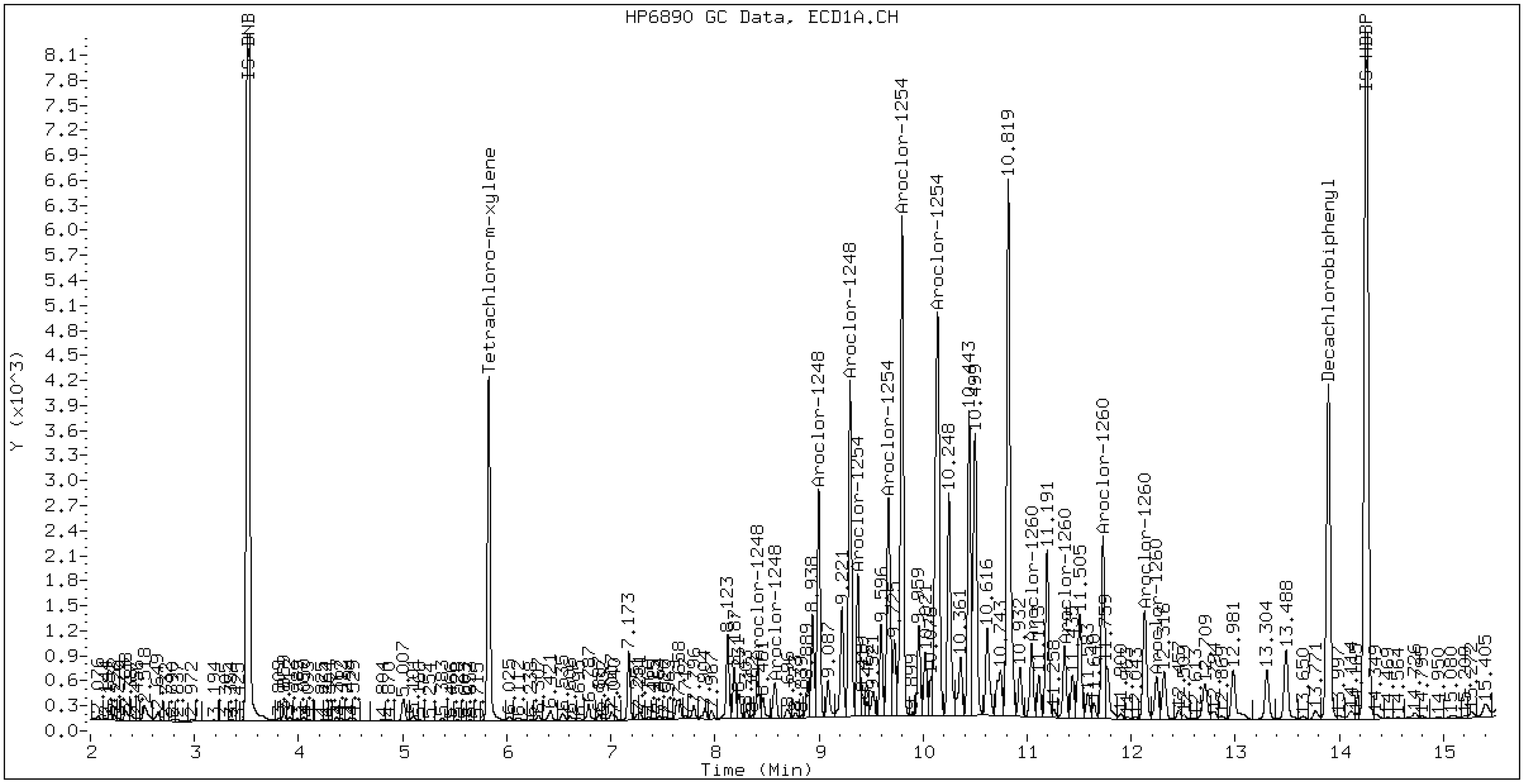
Total PCB Area Col2 (5.810 - 14.030) = 2493258 Col2 Total PCB = 0.8 ppm*

* Quantitated against AR1660 0.25ppm in Ical

PCB-Form 10 Mod.

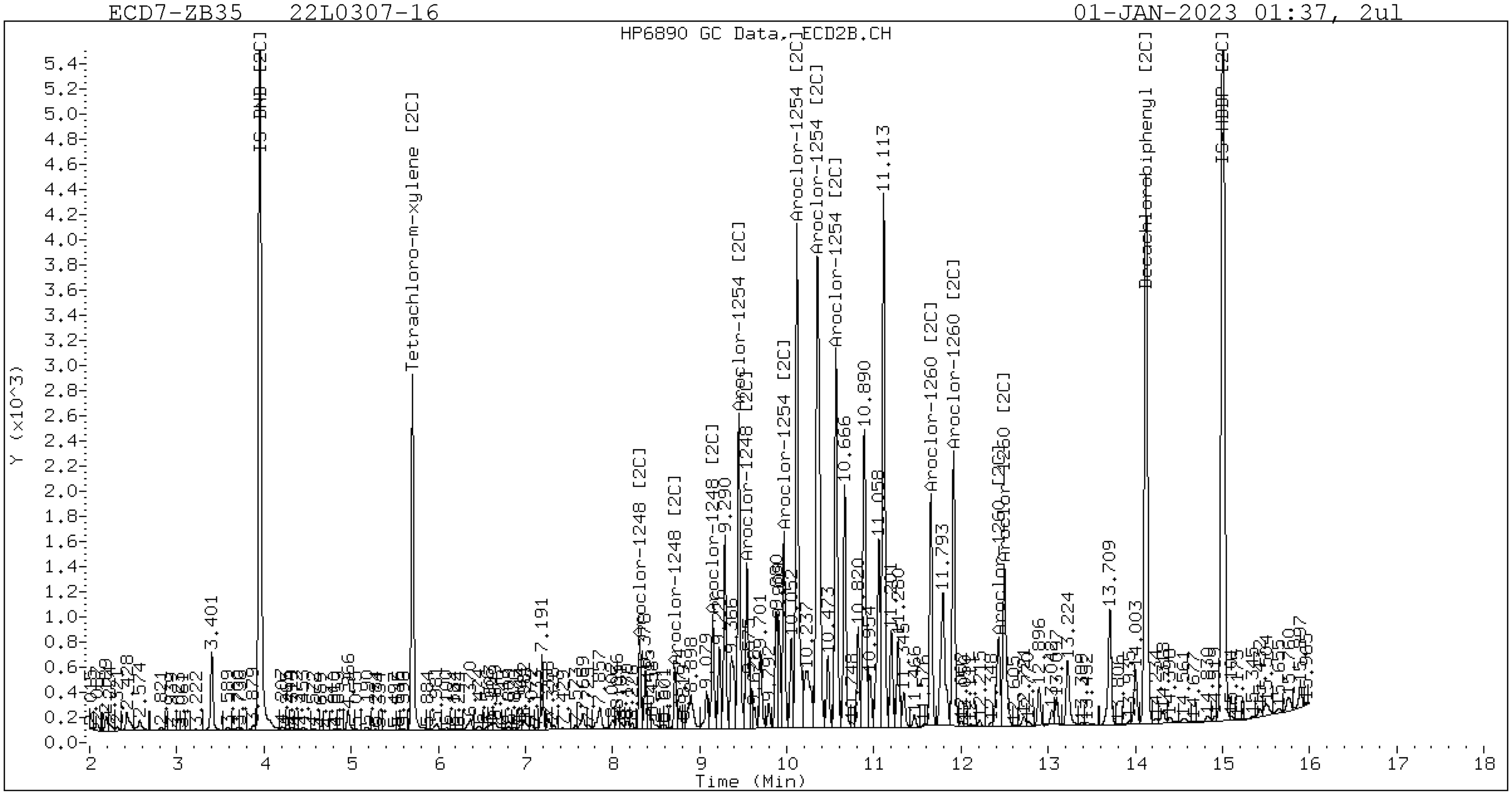
PCB Dual Column Chromatograms

ECD7-ZB5 22L0307-16 01-JAN-2023 01:37, 2ul



ZB-5 Manual Integration: YES

ECD7-ZB35 22L0307-16 01-JAN-2023 01:37, 2ul

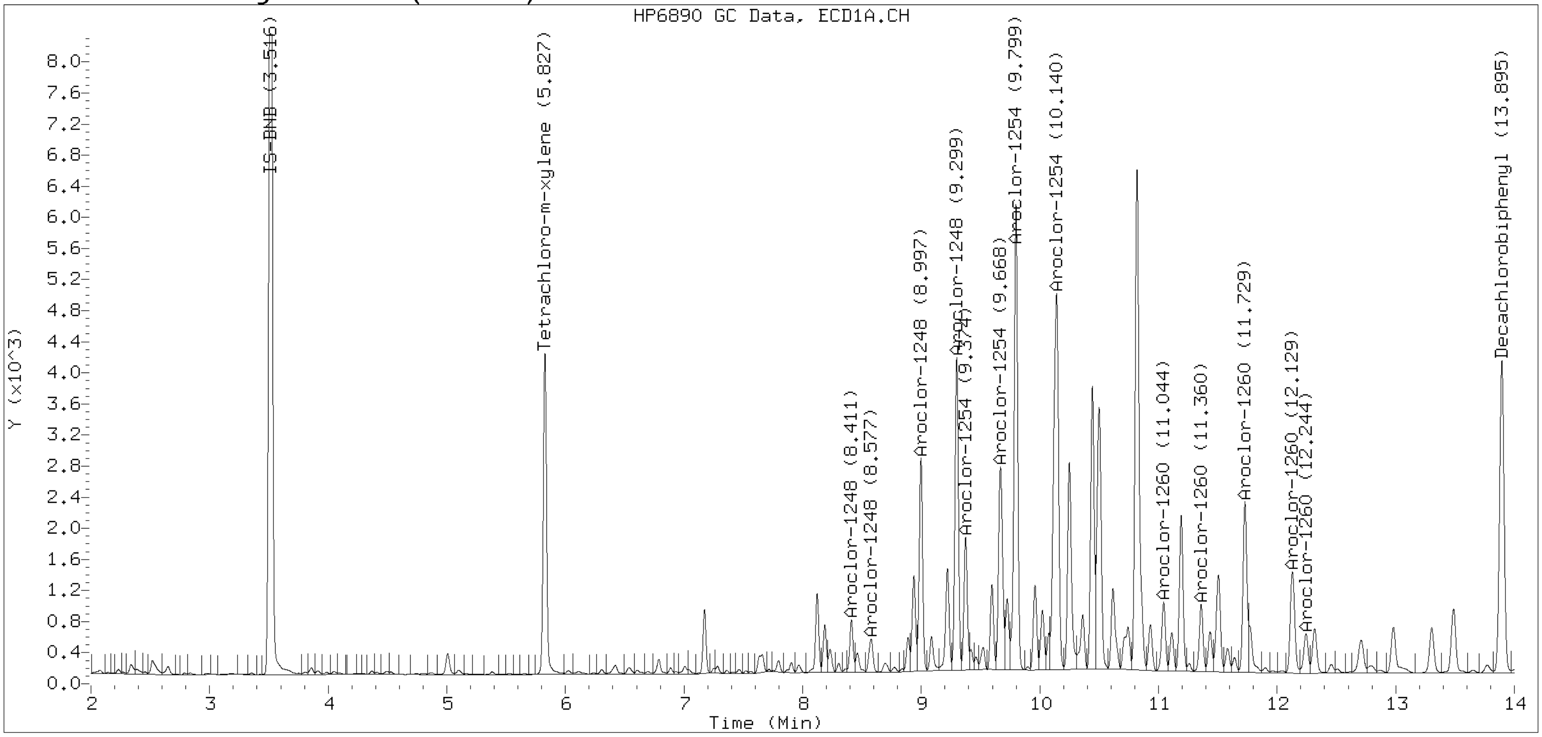


ZB-35 Manual Integration: YES

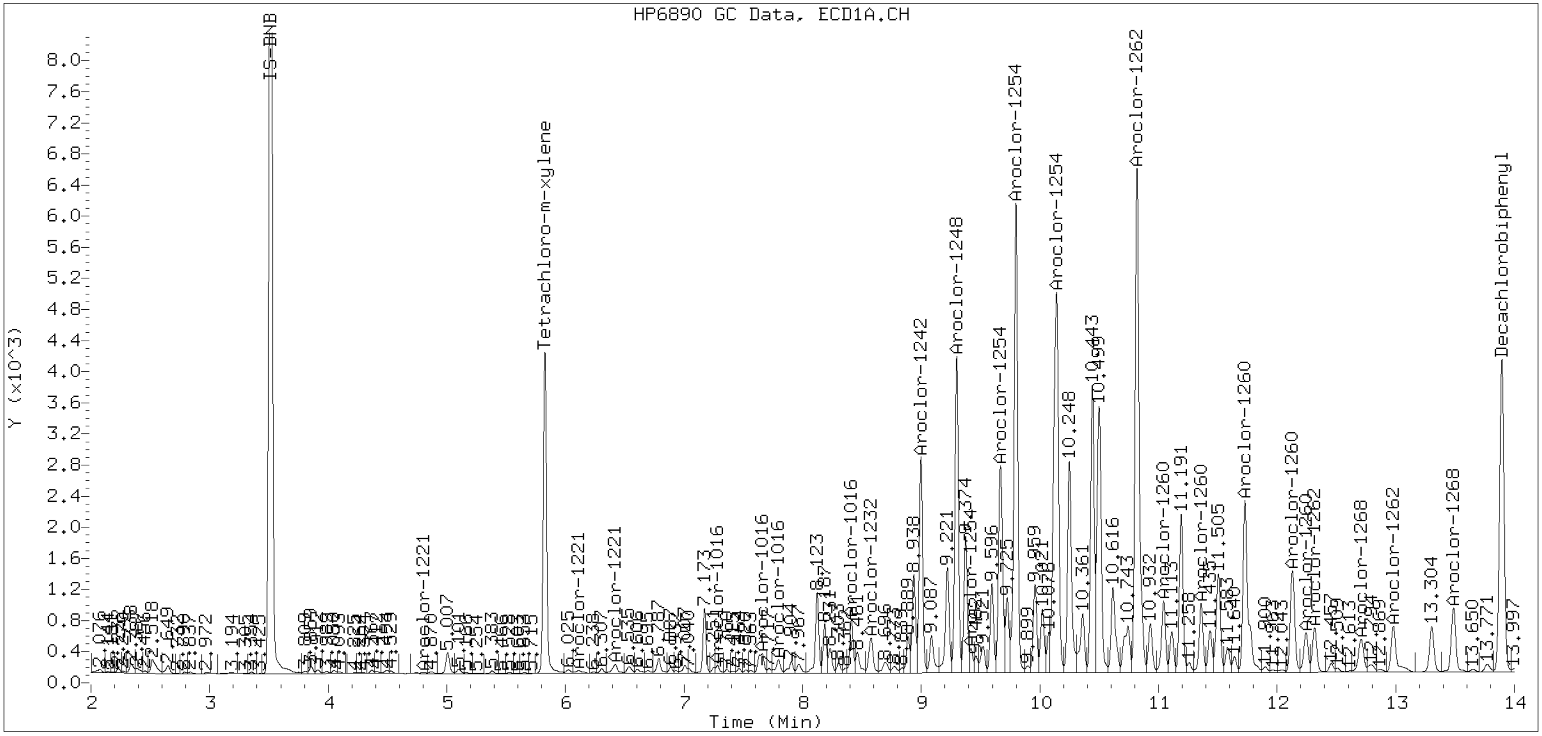
Manual Peak Adjustment, ZB-5

Datafile: ecd7.i/221231.b/12312245ECD7.D   Injection Date: 01-JAN-2023 01:37

Manual Integration (After)



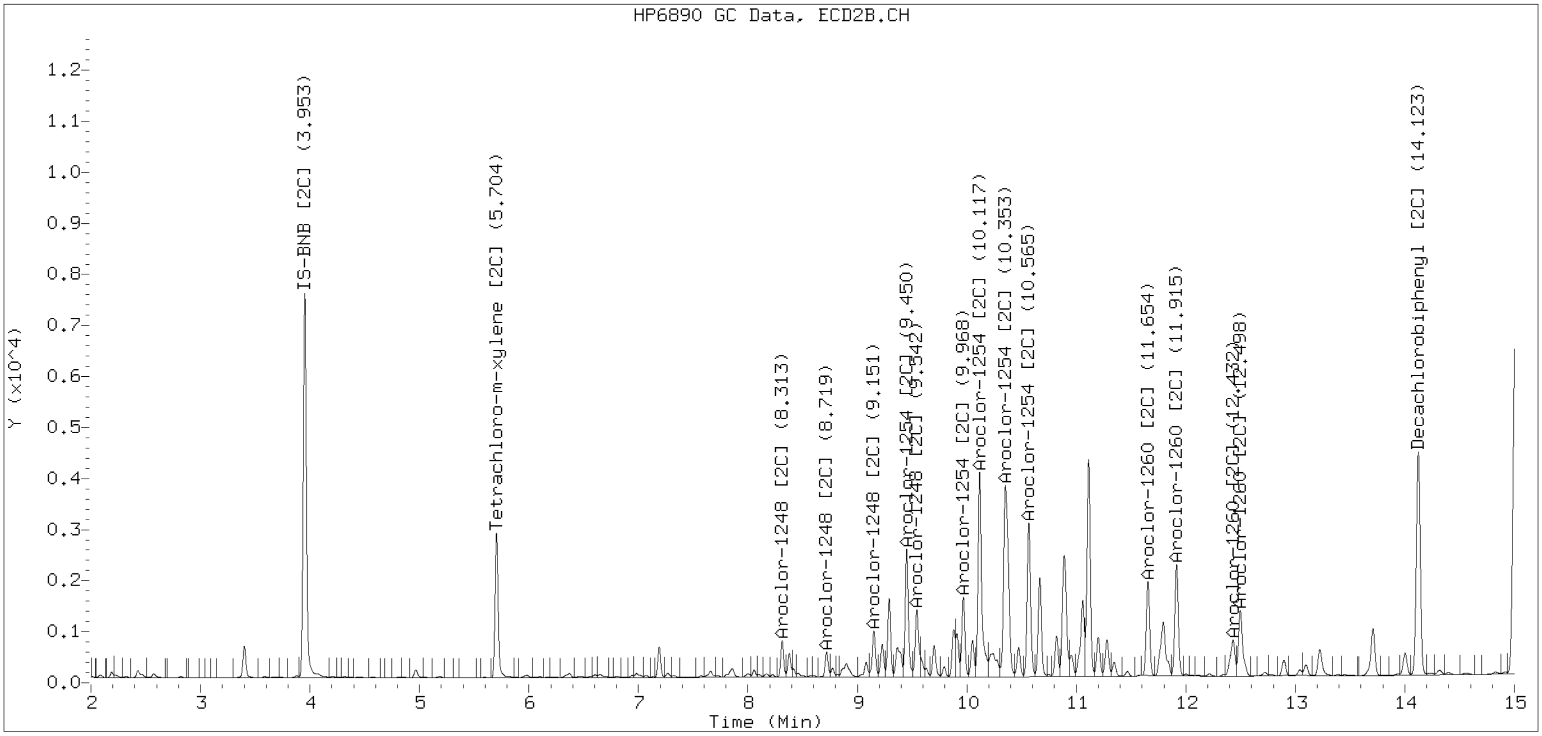
Processed Integration (Before)



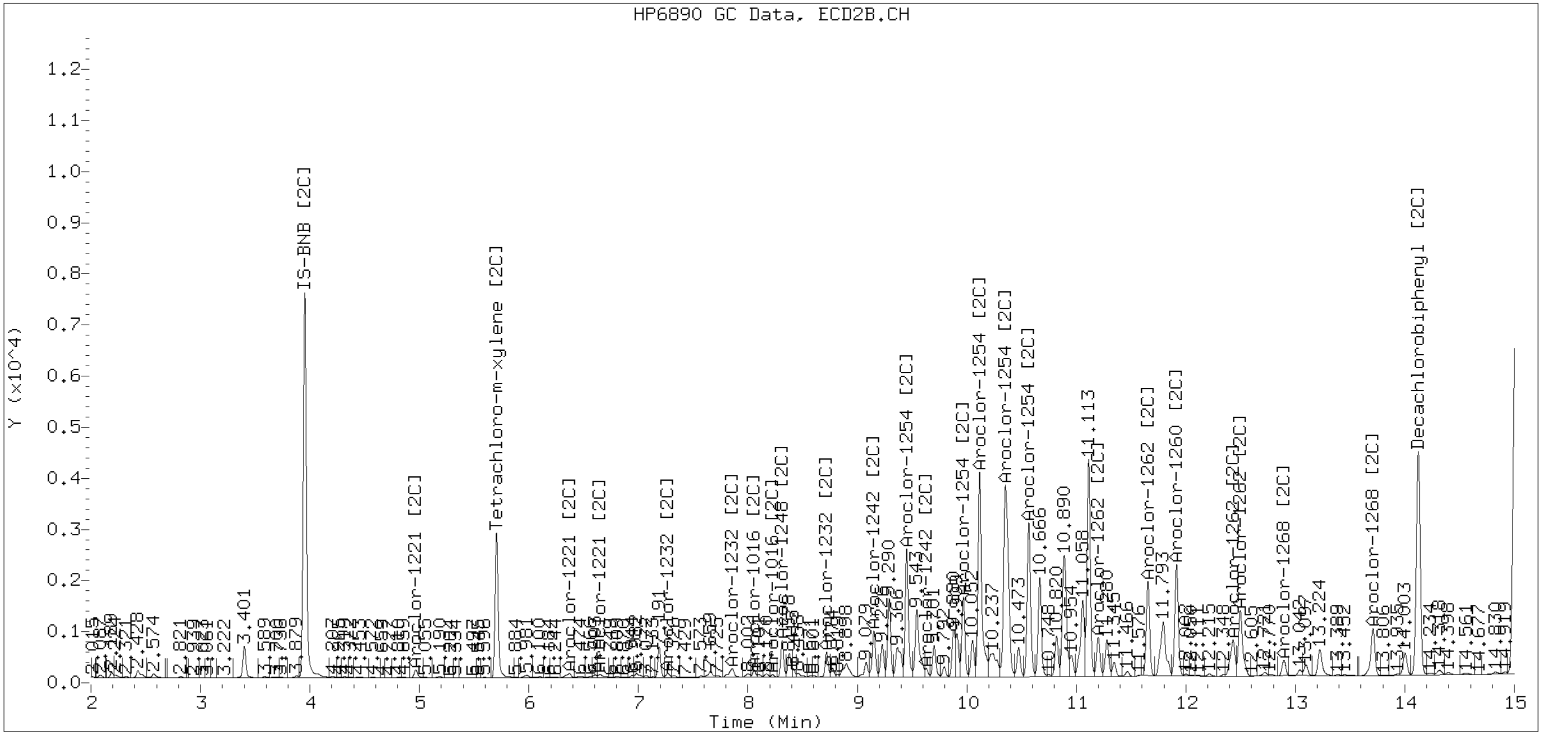
Manual Peak Adjustment, ZB-35

Datafile: ecd7.i/221231.b/221231.b/12312245ECD7.D   Injection Date: 01-JAN-2023

Manual Integration (After)



Processed Integration (Before)



LDW22-IT806C

Dual Column

ORGANIC ANALYSIS DATA SHEET
EPA 8082A

Laboratory:	Analytical Resources, LLC			SDG:	22L0307
Client:	Anchor QEA, LLC				
Project:	AOC4 UR Phase 3				
Matrix:	Solid	Laboratory ID:	22L0307-17 B	File ID:	12312246ECD7.D
Sampled:	12/12/22 08:35	Prepared:	12/27/22 14:11	Analyzed:	01/01/23 01:58
% Solids:	61.25	Preparation:	EPA 3546 (Microwave)	Initial/Final:	20.41 g Wet / 2.5 mL
Batch:	BKL0581	Sequence:	SLA0071	Calibration:	FL00010
Instrument:	ECD7	Column 1:	ZB5	Column 2:	ZB35

CAS NO.	COMPOUND	Col #	DILUTION	CONC. (ug/kg dry)	MDL	MRL	Q
12674-11-2	Aroclor 1016	1	1	4.0	1.6	4.0	U
11104-28-2	Aroclor 1221	1	1	4.0	1.6	4.0	U
11141-16-5	Aroclor 1232	1	1	4.0	1.6	4.0	U
53469-21-9	Aroclor 1242	1	1	4.0	1.6	4.0	U
12672-29-6	Aroclor 1248	1	1	28.2	1.6	4.0	
11097-69-1	Aroclor 1254	2	1	54.5	1.6	4.0	
11096-82-5	Aroclor 1260	2	1	53.2	0.6	4.0	

SURROGATES	Col #	ADDED (ug/kg dry)	CONC (ug/kg dry)	% REC	QC LIMITS	Q
Decachlorobiphenyl	*1*	*7.9993*	*8.01*	*100*	*40 - 126*	
Tetrachlorometaxylene	*1*	*7.9993*	*4.66*	*58.3*	*44 - 120*	
Decachlorobiphenyl	*2*	*7.9993*	*6.99*	*87.3*	*40 - 126*	
Tetrachlorometaxylene	*2*	*7.9993*	*5.60*	*70.0*	*44 - 120*	

```
                              Analytical Resources Inc.
                         Dual Column 608/8082 PCB Quantitation Report

 Data file 1: /221231.b/12312246ECD7.D                  ARI ID: 22L0307-17
 Data file 2: /221231.b/221231.b/12312246ECD7.D         Client ID:
 Method: \\target\share\chem4\ecd7.i\221231.b\PCB.m     Injection Date: 01-JAN-2023 01:58
 Compound Sublist: PCB.sub                              Report Date: 01/06/2023 11:42
 Instrument, Inj. Vol.: ecd7.i, 2ul                     Matrix: NONE
 Quant Method: Internal Std                             Dilution Factor:  1.0



                                  SURROGATES

        ZB5 Col         |       ZB35 Col         |   ZB5    ZB35
   RT    Shift Response | RT    Shift  Response  |  on col  on col    RPD   Compound/Flag
 ==========================================================================================

  5.825 -0.008   156505 | 5.702  -0.008   116281|   23.3    28.0     18.2    Tetrachloro-m-xylene
 13.895 -0.007   169294 |14.123  -0.007   177185|   40.1    34.9     13.7    Decachlorobiphenyl


*  Indicates RPD > 40%




                             INTERNAL STANDARD SUMMARY

                                         Column 1
                                  Standard    Sample
                  Standard Cpnd       Area*       Area      %D
               --------------------------------------------------
                 Bromo-Nitrobenzene    447645      473645    5.8
                 Hexabromobiphenyl     798898      460863  -42.3

                                         Column 2
                                  Standard    Sample
                  Standard Cpnd       Area*       Area      %D
               --------------------------------------------------
                 Bromo-Nitrobenzene    249094     303038    21.7
                 Hexabromobiphenyl     362541     357226    -1.5


                * Standard Areas taken from Initial Cal Level 3
                  Initial Calibration Date: 03-DEC-2022
               <- Indicates standard response outside Limits (-50 to +100%)
```

```
                            ZB5 Col                                  ZB35 Col
 Aroclor   Peak#    RT    Shift    Area    Amount    Peak#   RT     Shift    Area   Amount
 ==========================================================================================
 Aroclor-1016 1      ---                     0.0      1     ---                      0.0
 Aroclor-1016 2      ---                     0.0      2     ---                      0.0
 Aroclor-1016 3      ---                     0.0      3     ---                      0.0
 Aroclor-1016 4      ---                     0.0      4     ---                      0.0
             Col1Ave: <3 Quant Peaks                   Col2Ave: <3 Quant Peaks

 Aroclor-1221 1      ---                     0.0      1     ---                      0.0
 Aroclor-1221 2      ---                     0.0      2     ---                      0.0
 Aroclor-1221 3      ---                     0.0      3     ---                      0.0
             Col1Ave: <3 Quant Peaks                   Col2Ave: <3 Quant Peaks

 Aroclor-1232 1      ---                     0.0      1     ---                      0.0
 Aroclor-1232 2      ---                     0.0      2     ---                      0.0
 Aroclor-1232 3      ---                     0.0      3     ---                      0.0
 Aroclor-1232 4      ---                     0.0      4     ---                      0.0
             Col1Ave: <3 Quant Peaks                   Col2Ave: <3 Quant Peaks

 Aroclor-1242 1      ---                     0.0      1     ---                      0.0
 Aroclor-1242 2      ---                     0.0      2     ---                      0.0
 Aroclor-1242 3      ---                     0.0      3     ---                      0.0
 Aroclor-1242 4      ---                     0.0      4     ---                      0.0
             Col1Ave: <3 Quant Peaks                   Col2Ave: <3 Quant Peaks

 Aroclor-1248 1   8.412  -0.013     16391    80.5      1    8.313  -0.010    15743   127.2
 Aroclor-1248 2   8.576  -0.023     13598    52.3      2    8.719  -0.010    10342    79.4
 Aroclor-1248 3   8.997  -0.022     51324   109.7      3    9.151  -0.023    16840   106.3
 Aroclor-1248 4   9.298  -0.014     73791   322.0      4    9.543  -0.053    28995   15~~6.~~0
       Total Col1Ave (4 peaks):   141.1       Total Col2Ave (4 peaks):   117~~.2~~   RPD = 19
       Corrected Ave (3 peaks):    80.8       Corrected Ave (3 peaks):   104.3   RPD = 25

 Aroclor-1254 1   9.298  -0.015     73791   176.9      1    9.450  -0.012    52281   267.6
 Aroclor-1254 2   9.373  -0.020     32559   200.8      2    9.969  -0.010    22957   146.1
 Aroclor-1254 3   9.678  -0.008     92552   351.4      3   10.116  -0.014    81263   240.7
 Aroclor-1254 4   9.798  -0.022    108067   210.5      4   10.363  -0.016    97193   277.9
 Aroclor-1254 5  10.134  -0.039     62797   178.4      5   10.565  -0.010    72438   429.5
       Total Col1Ave (5 peaks):   223.6       Total Col2Ave (5 peaks):   272.4   RPD = 20
       Corrected Ave (4 peaks):   191.7       Corrected Ave (4 peaks):   233.1   RPD = 20

 Aroclor-1260 1  11.043  -0.014     48221   287.4      1   11.654  -0.009    46753   247.9
 Aroclor-1260 2  11.359  -0.014     35413   204.1      2   11.915  -0.011    96415   203.8
 Aroclor-1260 3  11.728  -0.018    100460   220.4      3   12.432  -0.012    49154   390.1
 Aroclor-1260 4  12.129  -0.021     51874   223.4      4   12.498  -0.011    70106   222.3
 Aroclor-1260 5  12.242  -0.014     34573   363.8     NS     ---                      ----
       Total Col1Ave (5 peaks):   259.8       Total Col2Ave (4 peaks):   266.0   RPD = 2
       Corrected Ave (4 peaks):   233.8       Corrected Ave (3 peaks):   224.7   RPD = 4

 Aroclor-1262 1      ---                     0.0      1     ---                      0.0
 Aroclor-1262 2      ---                     0.0      2     ---                      0.0
 Aroclor-1262 3      ---                     0.0      3     ---                      0.0
 Aroclor-1262 4      ---                     0.0      4     ---                      0.0
             Col1Ave: <3 Quant Peaks                   Col2Ave: <3 Quant Peaks

 Aroclor-1268 1      ---                     0.0      1     ---                      0.0
 Aroclor-1268 2      ---                     0.0      2     ---                      0.0
 Aroclor-1268 3      ---                     0.0      3     ---                      0.0
 Aroclor-1268 4      ---                     0.0      4     ---                      0.0
             Col1Ave: <3 Quant Peaks                   Col2Ave: <3 Quant Peaks
```

```
Total PCB Area Col1 (5.933 - 13.802) =    2381551     Col1 Total PCB = 0.5 ppm*

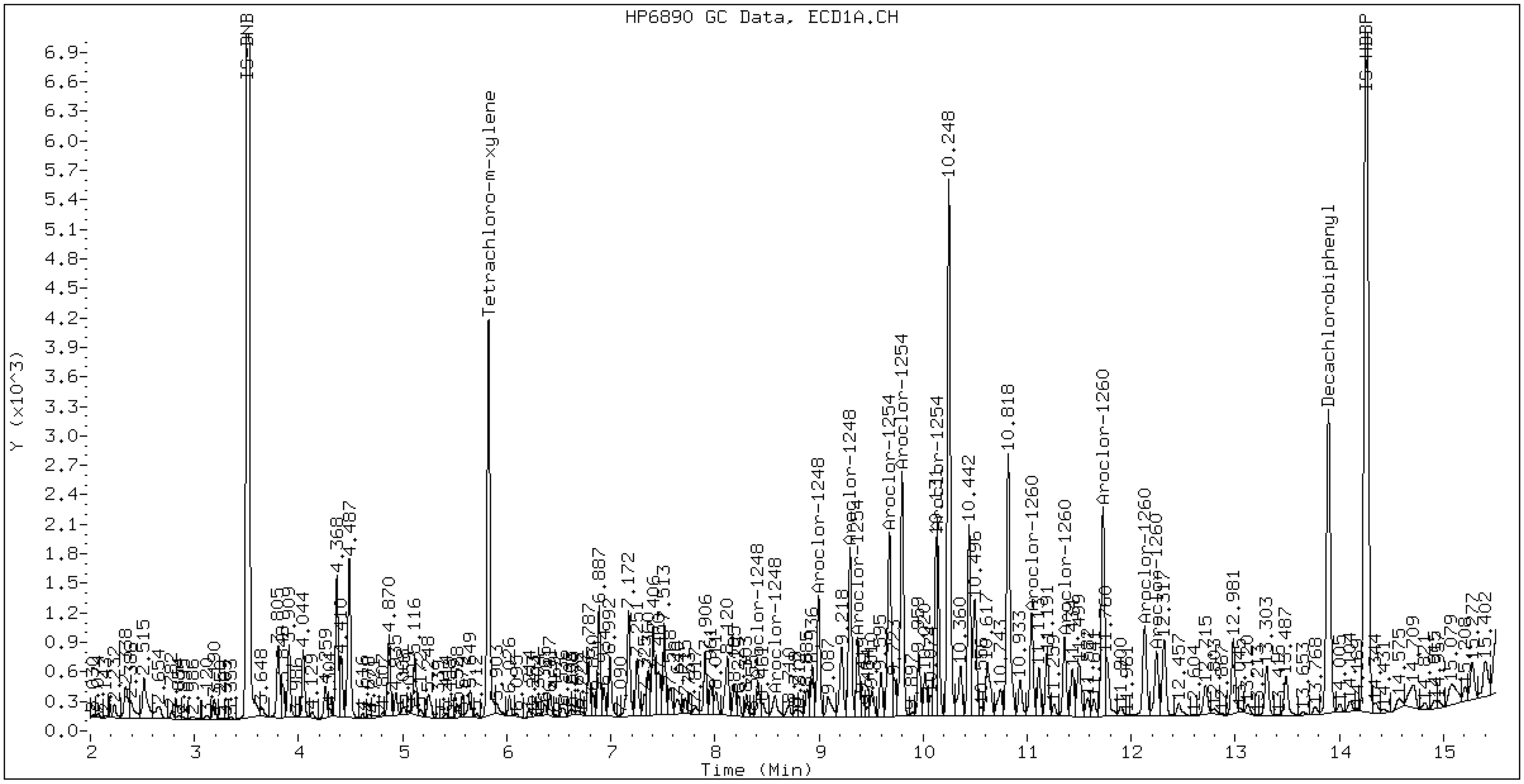
Total PCB Area Col2 (5.810 - 14.030) =    1847936     Col2 Total PCB = 0.7 ppm*


  *  Quantitated against AR1660 0.25ppm in Ical
```

PCB-Form 10 Mod.

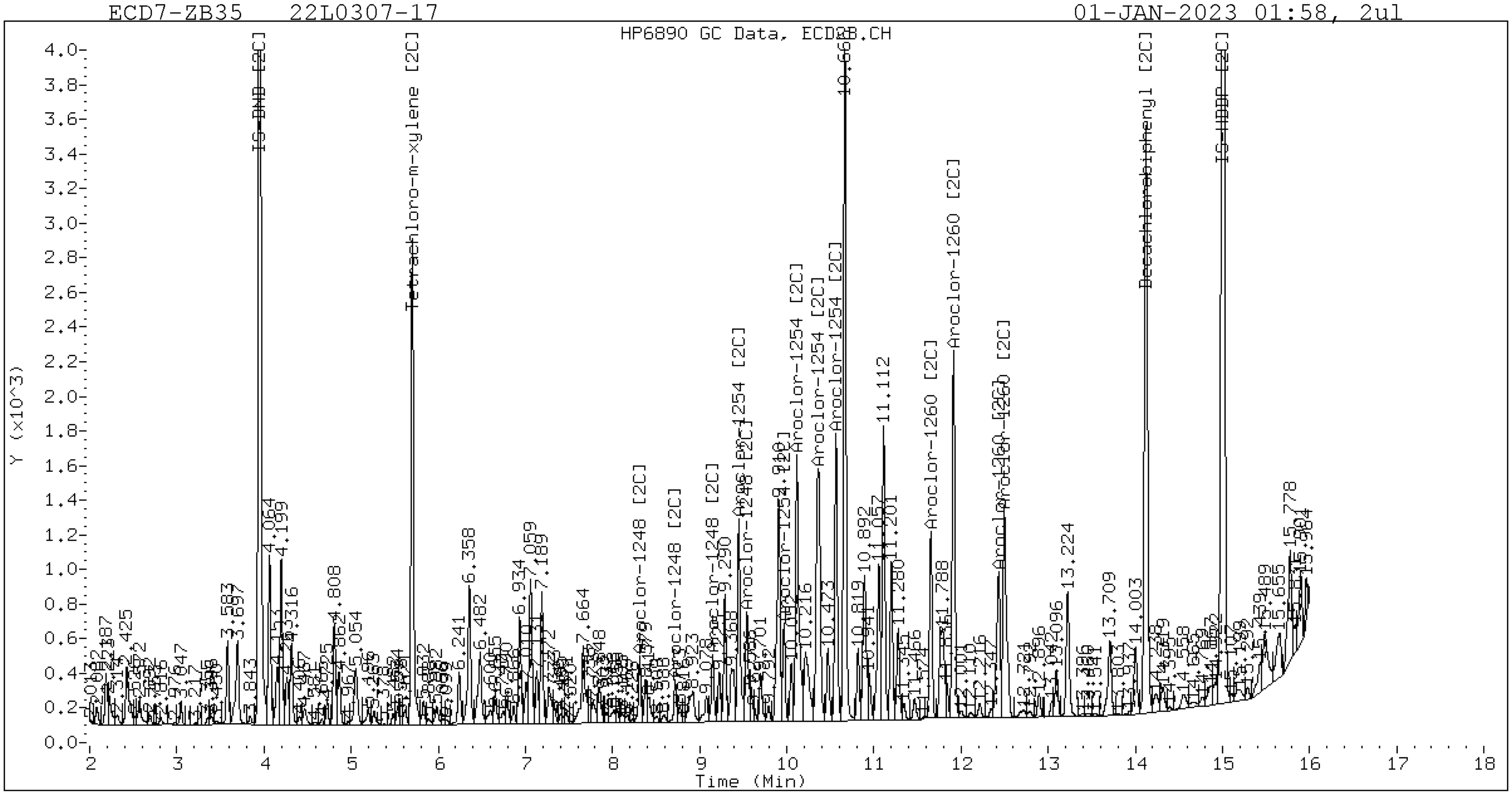
PCB Dual Column Chromatograms

ECD7-ZB5 22L0307-17 01-JAN-2023 01:58, 2ul



ZB-5 Manual Integration: YES

ECD7-ZB35 22L0307-17 01-JAN-2023 01:58, 2ul

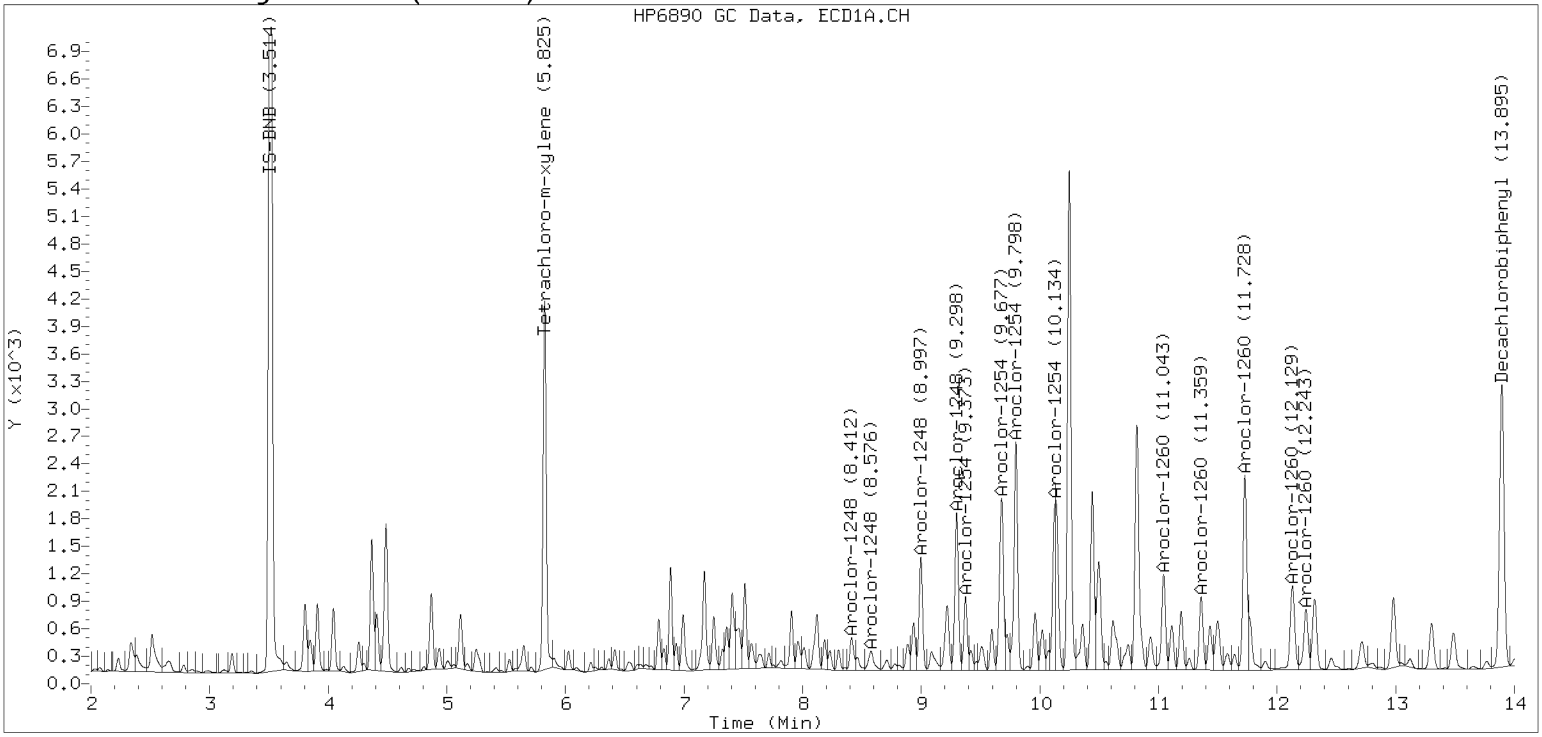


ZB-35 Manual Integration: YES

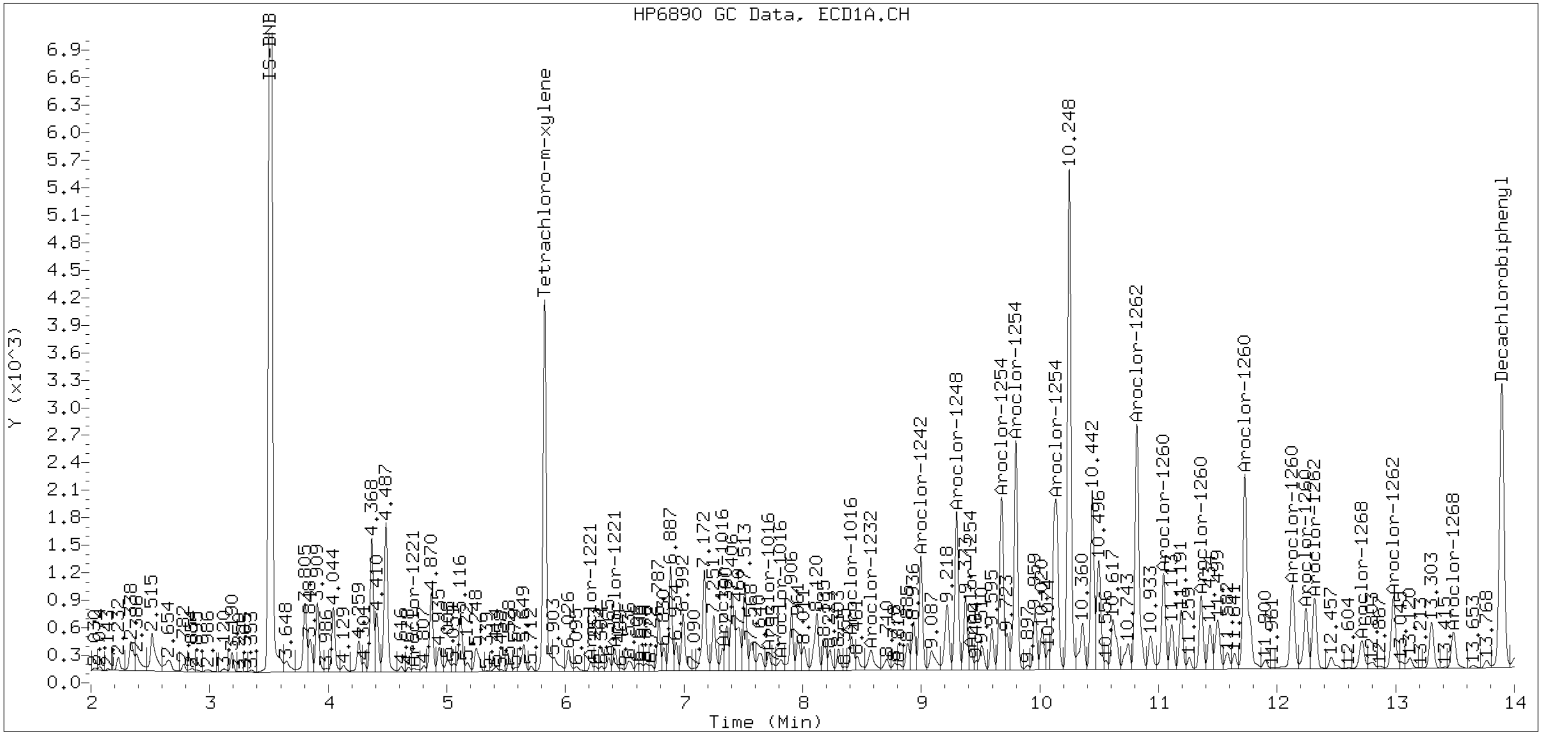
Manual Peak Adjustment, ZB-5

Datafile: ecd7.i/221231.b/12312246ECD7.D   Injection Date: 01-JAN-2023 01:58

Manual Integration (After)



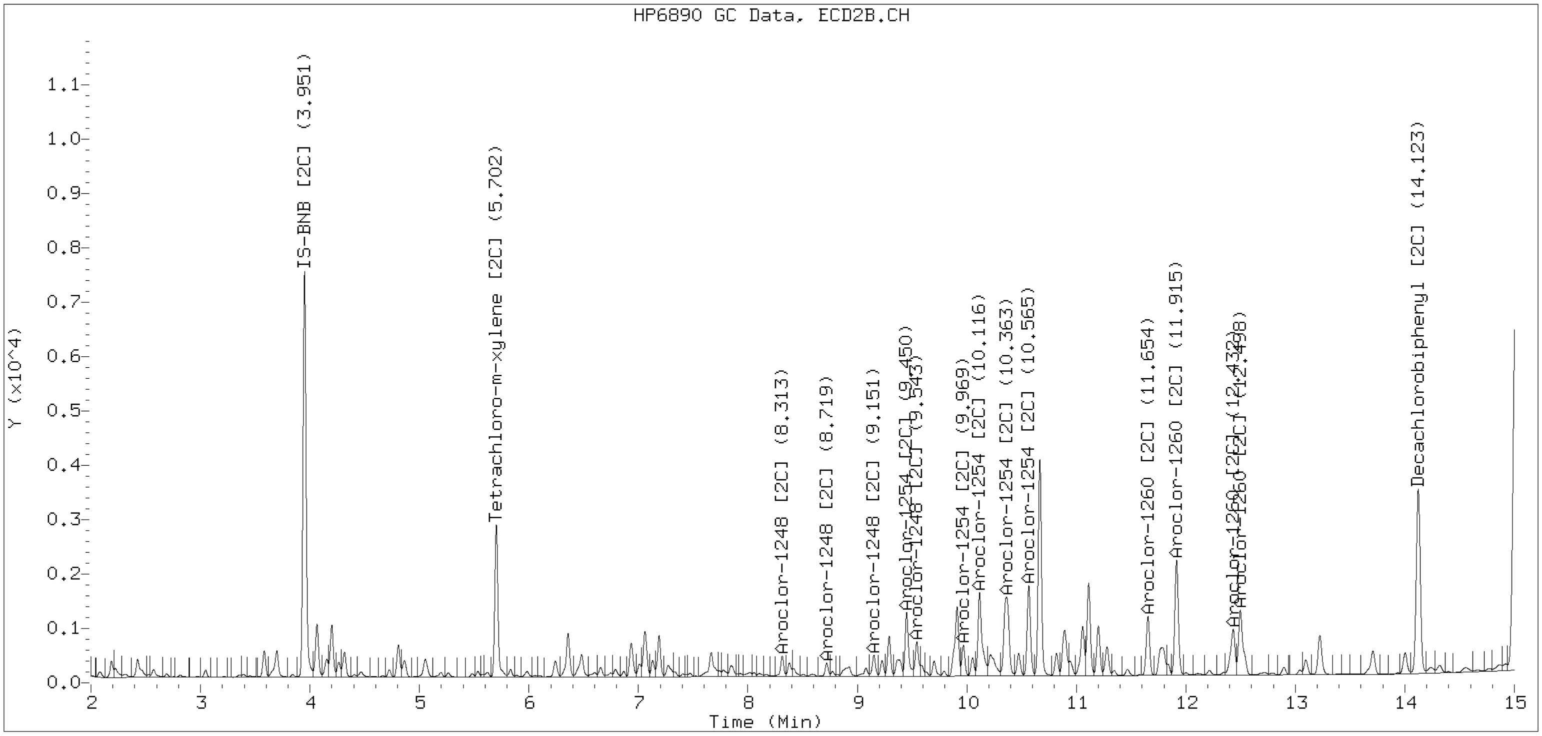
Processed Integration (Before)



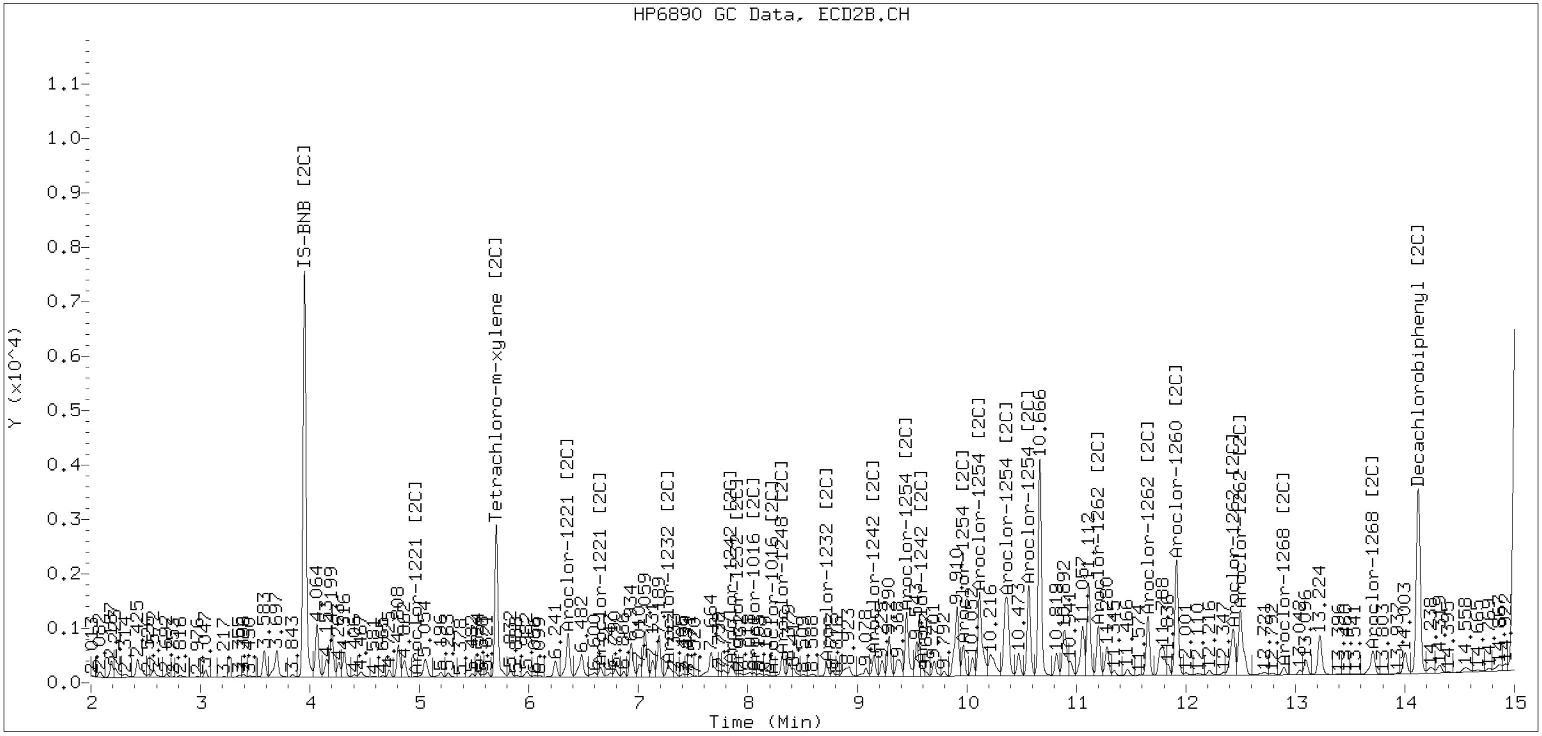
Manual Peak Adjustment, ZB-35

Datafile: ecd7.i/221231.b/221231.b/12312246ECD7.D   Injection Date: 01-JAN-2023

Manual Integration (After)



Processed Integration (Before)



LDW22-IT806D

Dual Column

ORGANIC ANALYSIS DATA SHEET
EPA 8082A

Laboratory: Analytical Resources, LLC

SDG: 22L0307

Client: Anchor QEA, LLC

Project: AOC4 UR Phase 3

Matrix:	Solid	Laboratory ID:	22L0307-18 B	File ID:	12312247ECD7.D
Sampled:	12/12/22 08:35	Prepared:	12/27/22 14:11	Analyzed:	01/01/23 02:19
% Solids:	67.54	Preparation:	EPA 3546 (Microwave)	Initial/Final:	18.54 g Wet / 2.5 mL
Batch:	BKL0581	Sequence:	SLA0071	Calibration:	FL00010
Instrument:	ECD7	Column 1:	ZB5	Column 2:	ZB35

CAS NO.	COMPOUND	Col #	DILUTION	CONC. (ug/kg dry)	MDL	MRL	Q
12674-11-2	Aroclor 1016	1	1	4.0	1.6	4.0	U
11104-28-2	Aroclor 1221	1	1	4.0	1.6	4.0	U
11141-16-5	Aroclor 1232	1	1	4.0	1.6	4.0	U
53469-21-9	Aroclor 1242	1	1	4.0	1.6	4.0	U
12672-29-6	Aroclor 1248	2	1	9.0	1.6	4.0	
11097-69-1	Aroclor 1254	2	1	35.9	1.6	4.0	
11096-82-5	Aroclor 1260	1	1	61.9	0.6	4.0	

SURROGATES	Col #	ADDED (ug/kg dry)	CONC (ug/kg dry)	% REC	QC LIMITS	Q
Decachlorobiphenyl	*1*	*7.9860*	*7.82*	*97.9*	*40 - 126*	
Tetrachlorometaxylene	*1*	*7.9860*	*5.19*	*65.0*	*44 - 120*	
Decachlorobiphenyl	*2*	*7.9860*	*8.30*	*104*	*40 - 126*	
Tetrachlorometaxylene	*2*	*7.9860*	*5.71*	*71.6*	*44 - 120*	

```
                              Analytical Resources Inc.
                         Dual Column 608/8082 PCB Quantitation Report

 Data file 1: /221231.b/12312247ECD7.D                     ARI ID: 22L0307-18
 Data file 2: /221231.b/221231.b/12312247ECD7.D            Client ID:
 Method: \\target\share\chem4\ecd7.i\221231.b\PCB.m        Injection Date: 01-JAN-2023 02:19
 Compound Sublist: PCB.sub                                 Report Date: 01/05/2023 17:04
 Instrument, Inj. Vol.: ecd7.i, 2ul                        Matrix: NONE
 Quant Method: Internal Std                                Dilution Factor:  1.0



                                   SURROGATES

        ZB5 Col         |       ZB35 Col         |   ZB5    ZB35
   RT    Shift Response | RT    Shift  Response  |  on col  on col    RPD   Compound/Flag
 ========================================================================================

  5.826 -0.006   170036 | 5.703  -0.008   119093|   26.0    28.6      9.6    Tetrachloro-m-xylene
 13.895 -0.005   181769 |14.122  -0.008   211751|   39.2    41.6      5.9    Decachlorobiphenyl


*  Indicates RPD > 40%




                              INTERNAL STANDARD SUMMARY

                                          Column 1
                                   Standard    Sample
                  Standard Cpnd      Area*       Area      %D
              --------------------------------------------------
                Bromo-Nitrobenzene    447645      461622    3.1
                Hexabromobiphenyl     798898      506218  -36.6

                                          Column 2
                                   Standard    Sample
                  Standard Cpnd      Area*       Area      %D
              --------------------------------------------------
                Bromo-Nitrobenzene    249094     303544    21.9
                Hexabromobiphenyl     362541     358925    -1.0


               * Standard Areas taken from Initial Cal Level 3
                 Initial Calibration Date: 03-DEC-2022
              <- Indicates standard response outside Limits (-50 to +100%)
```

```
//target/share/chem4/ecd7.i/221231.b/12312247ECD7.D      22L0307-18                    page 2
                              ZB5 Col                               ZB35 Col
 Aroclor   Peak#    RT    Shift    Area    Amount    Peak#   RT     Shift    Area   Amount
 ===========================================================================================
 Aroclor-1016 1      ---                     0.0      1     ---                     0.0
 Aroclor-1016 2      ---                     0.0      2     ---                     0.0
 Aroclor-1016 3      ---                     0.0      3     ---                     0.0
 Aroclor-1016 4      ---                     0.0      4     ---                     0.0
             Col1Ave: <3 Quant Peaks                   Col2Ave: <3 Quant Peaks

 Aroclor-1221 1      ---                     0.0      1     ---                     0.0
 Aroclor-1221 2      ---                     0.0      2     ---                     0.0
 Aroclor-1221 3      ---                     0.0      3     ---                     0.0
             Col1Ave: <3 Quant Peaks                   Col2Ave: <3 Quant Peaks

 Aroclor-1232 1      ---                     0.0      1     ---                     0.0
 Aroclor-1232 2      ---                     0.0      2     ---                     0.0
 Aroclor-1232 3      ---                     0.0      3     ---                     0.0
 Aroclor-1232 4      ---                     0.0      4     ---                     0.0
             Col1Ave: <3 Quant Peaks                   Col2Ave: <3 Quant Peaks

 Aroclor-1242 1      ---                     0.0      1     ---                     0.0
 Aroclor-1242 2      ---                     0.0      2     ---                     0.0
 Aroclor-1242 3      ---                     0.0      3     ---                     0.0
 Aroclor-1242 4      ---                     0.0      4     ---                     0.0
             Col1Ave: <3 Quant Peaks                   Col2Ave: <3 Quant Peaks

 Aroclor-1248 1   8.410  -0.017      5980    30.1      1    8.313  -0.010     6883    55.5
 Aroclor-1248 2   8.575  -0.029      4601    18.2      2    8.720  -0.009     4165    31.9
 Aroclor-1248 3   8.997  -0.025     26926    59.1      3    9.151  -0.023     7539    47.5
 Aroclor-1248 4   9.299  -0.012     41359   185.2      4    9.542  -0.053    16336    87.7
       Total Col1Ave (4 peaks):     73.1       Total Col2Ave (4 peaks):     55.7   RPD = 27
       Corrected Ave (3 peaks):     35.8       Corrected Ave (3 peaks):     45.0   RPD = 23

 Aroclor-1254 1   9.299  -0.022     41359   101.8      1    9.450  -0.011    35146   179.6
 Aroclor-1254 2   9.373  -0.029     17714   112.1      2    9.968  -0.010    11032    70.1
 Aroclor-1254 3   9.678  -0.016     54270   211.4      3   10.116  -0.014    44622   131.9
 Aroclor-1254 4   9.800  -0.031     81962   163.8      4   10.369  -0.009    69057   197.2
 Aroclor-1254 5  10.248   0.059    424533  1237.7      5   10.565  -0.011    53943   319.3
       Total Col1Ave (5 peaks):    365.3       Total Col2Ave (5 peaks):    179.6   RPD = 68*
       Corrected Ave (4 peaks):    147.3       Corrected Ave (4 peaks):    144.7   RPD = 2

 Aroclor-1260 1  11.043  -0.019     62475   339.1      1   11.654  -0.009    43101   227.5
 Aroclor-1260 2  11.360  -0.017     43424   227.9      2   11.915  -0.011   114346   240.5
 Aroclor-1260 3  11.729  -0.023    136001   271.6      3   12.434  -0.011    48093   379.9
 Aroclor-1260 4  12.129  -0.030     61280   240.3      4   12.498  -0.011    83551   263.6
 Aroclor-1260 5  12.243  -0.018     49205   471.4      NS    ---                    ----
       Total Col1Ave (5 peaks):    310.0       Total Col2Ave (4 peaks):    277.9   RPD = 11
       Corrected Ave (4 peaks):    269.7       Corrected Ave (3 peaks):    243.9   RPD = 10

 Aroclor-1262 1      ---                     0.0      1     ---                     0.0
 Aroclor-1262 2      ---                     0.0      2     ---                     0.0
 Aroclor-1262 3      ---                     0.0      3     ---                     0.0
 Aroclor-1262 4      ---                     0.0      4     ---                     0.0
             Col1Ave: <3 Quant Peaks                   Col2Ave: <3 Quant Peaks

 Aroclor-1268 1      ---                     0.0      1     ---                     0.0
 Aroclor-1268 2      ---                     0.0      2     ---                     0.0
 Aroclor-1268 3      ---                     0.0      3     ---                     0.0
 Aroclor-1268 4      ---                     0.0      4     ---                     0.0
             Col1Ave: <3 Quant Peaks                   Col2Ave: <3 Quant Peaks
```

```
Total PCB Area Col1 (5.932 - 13.801) =    1967705     Col1 Total PCB = 0.4 ppm*

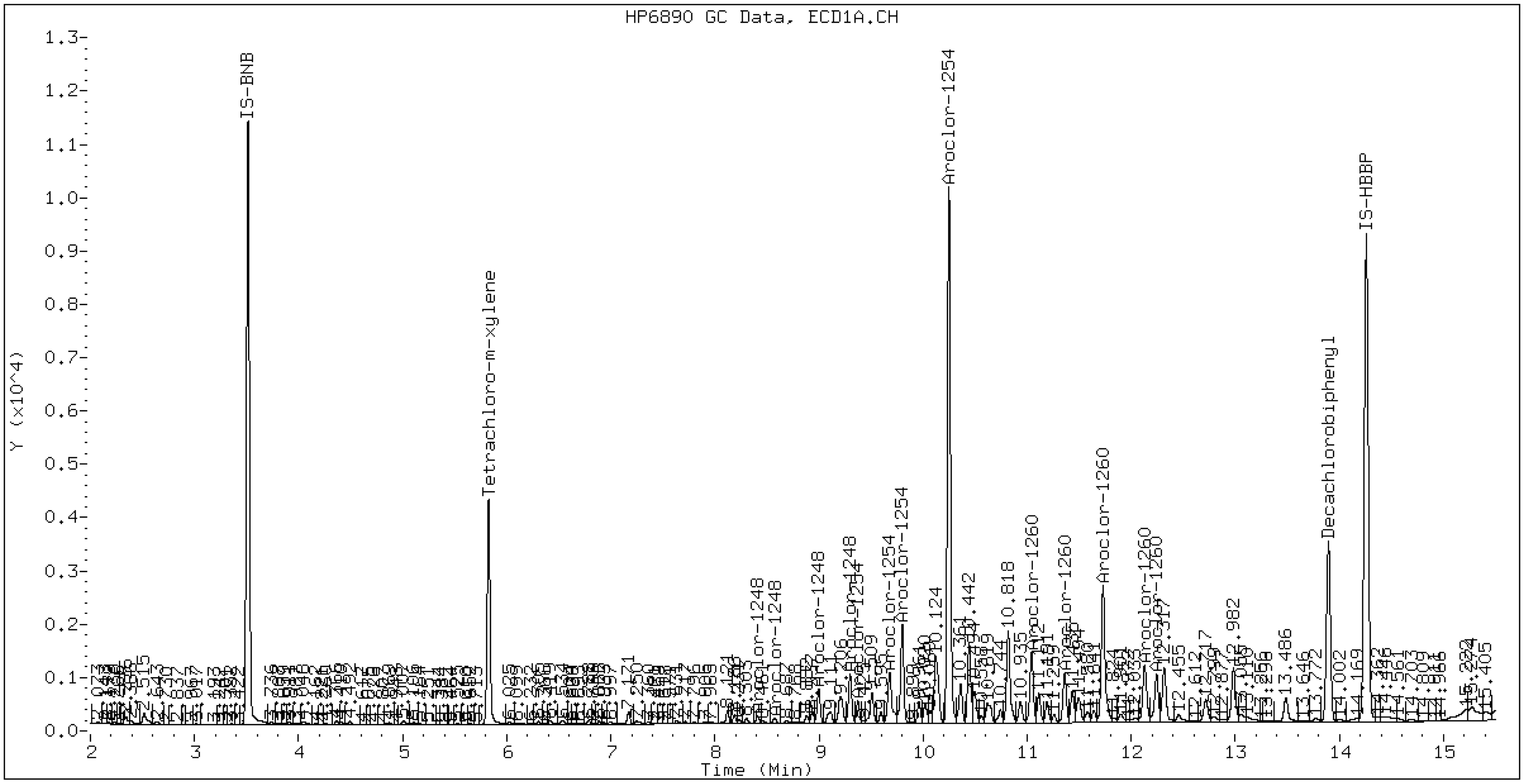
Total PCB Area Col2 (5.810 - 14.030) =    1497279     Col2 Total PCB = 0.5 ppm*


  *  Quantitated against AR1660 0.25ppm in Ical
```

PCB-Form 10 Mod.

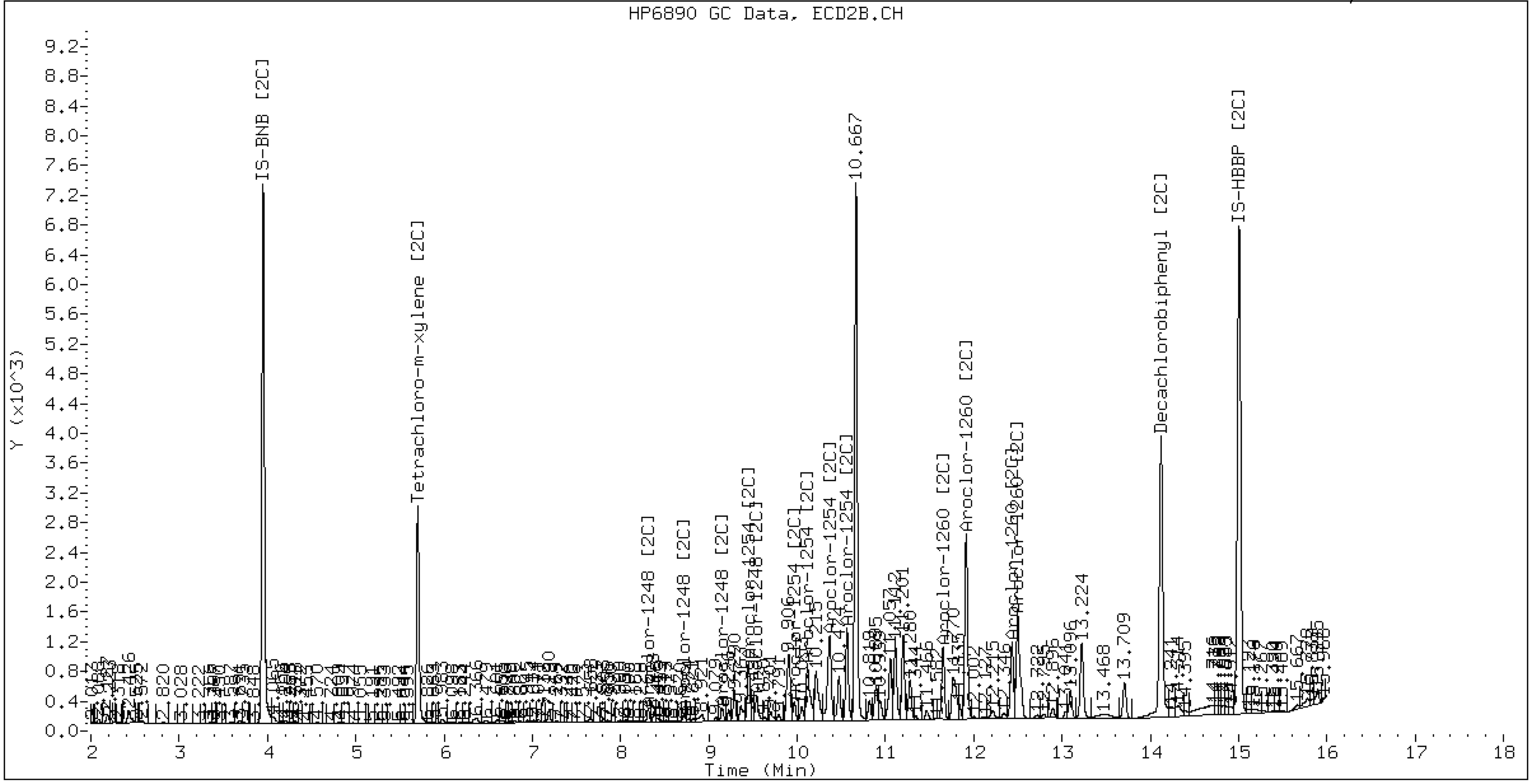
PCB Dual Column Chromatograms

ECD7-ZB5 22L0307-18 01-JAN-2023 02:19, 2ul



ZB-5 Manual Integration: YES

ECD7-ZB35 22L0307-18 01-JAN-2023 02:19, 2ul

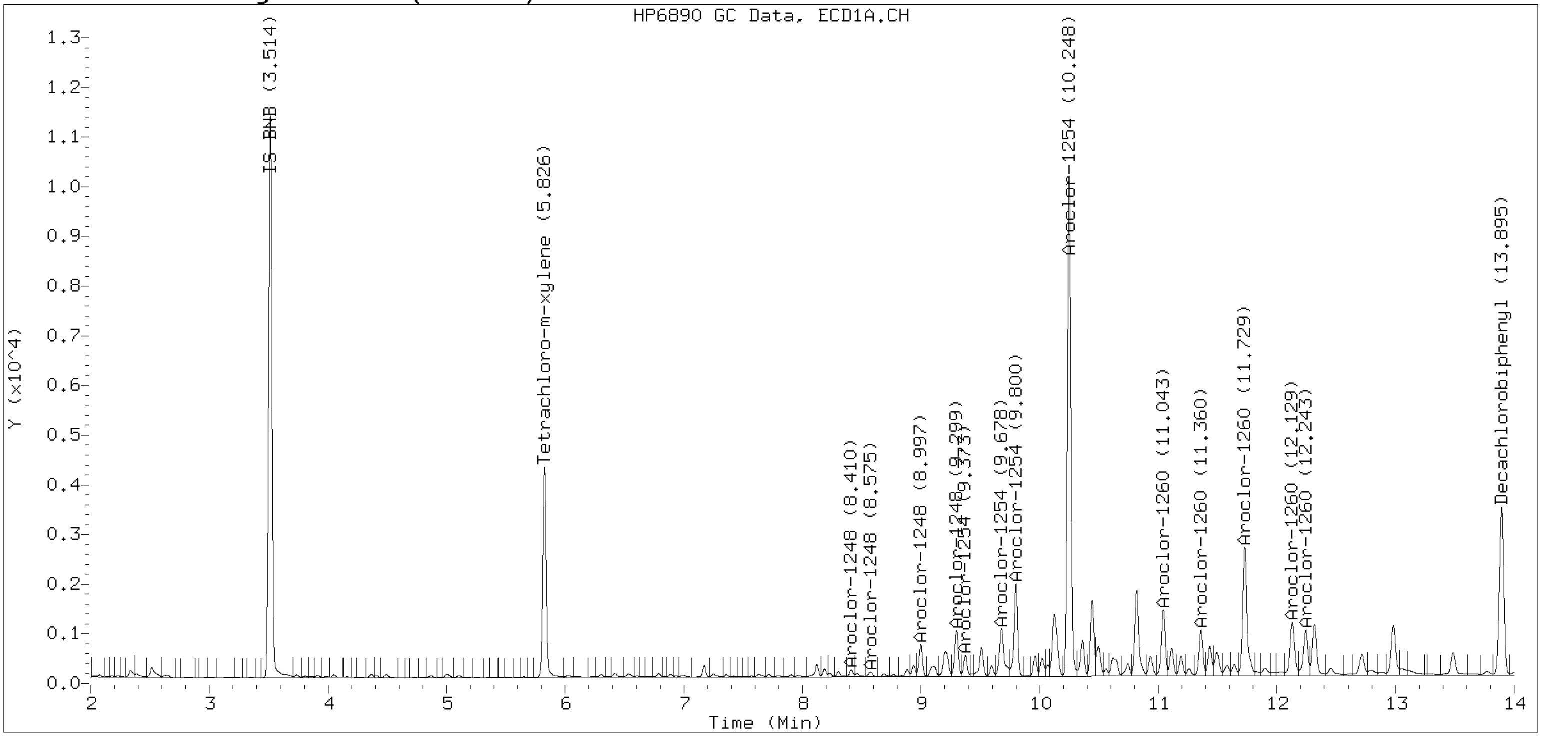


ZB-35 Manual Integration: YES

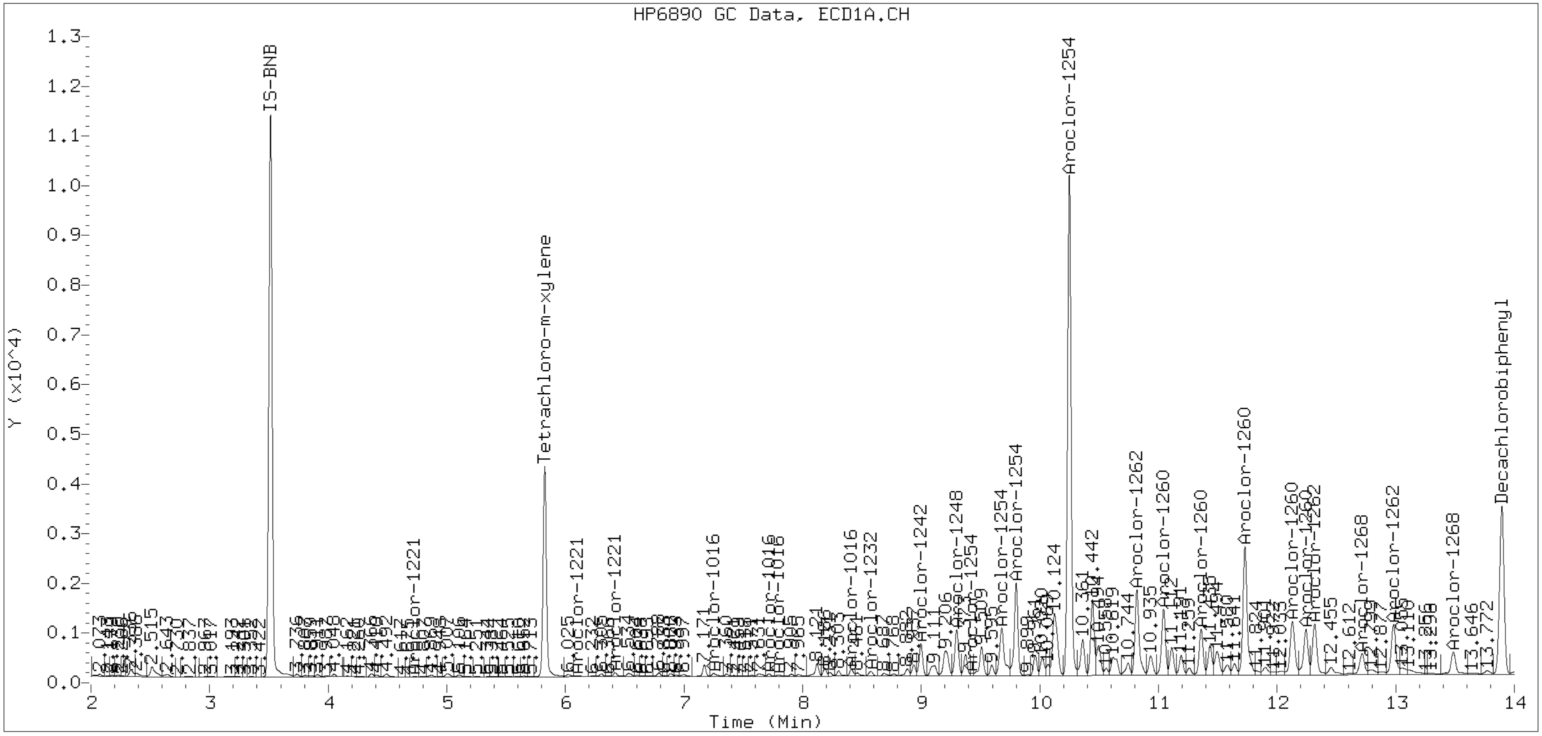
Manual Peak Adjustment, ZB-5

Datafile: ecd7.i/221231.b/12312247ECD7.D   Injection Date: 01-JAN-2023 02:19

Manual Integration (After)



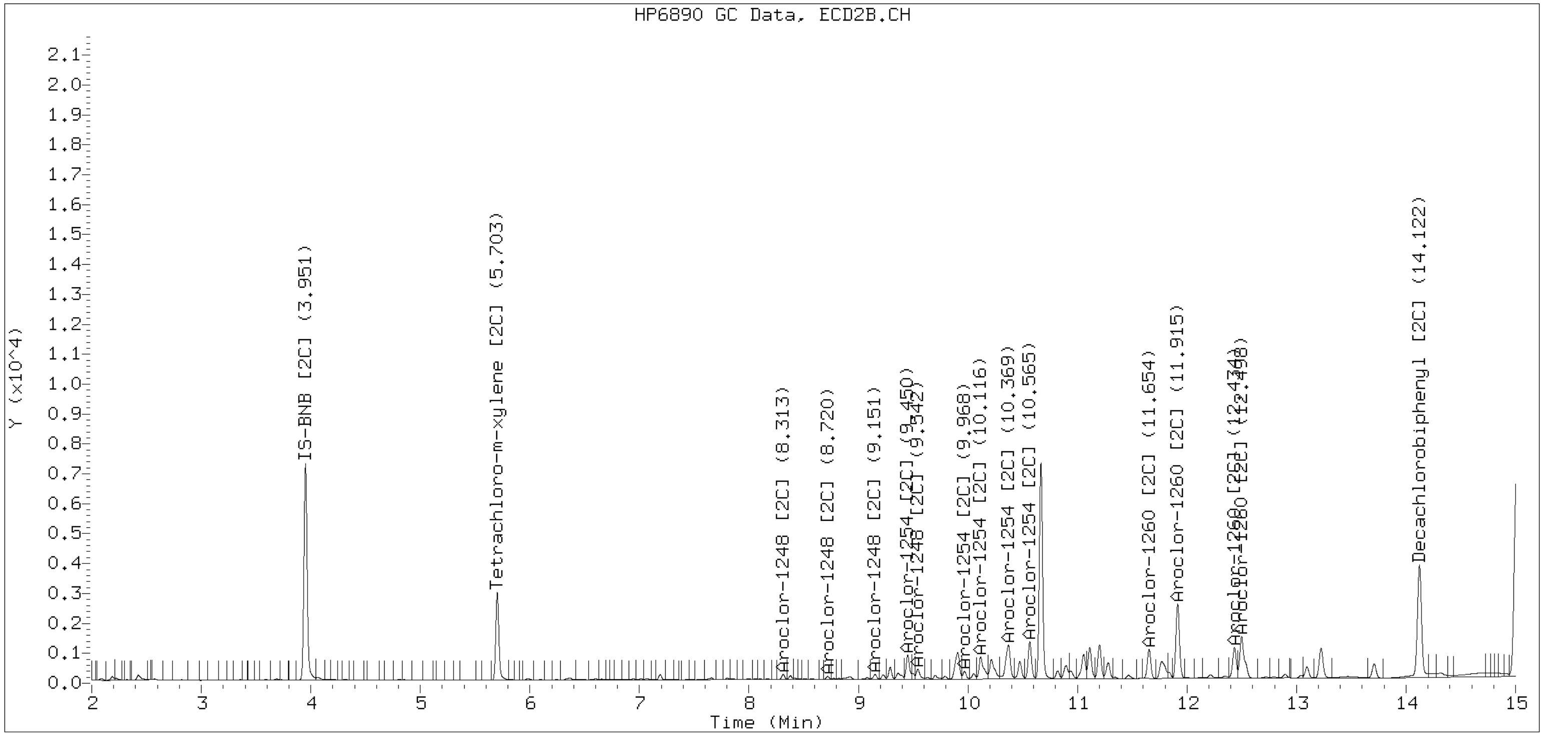
Processed Integration (Before)



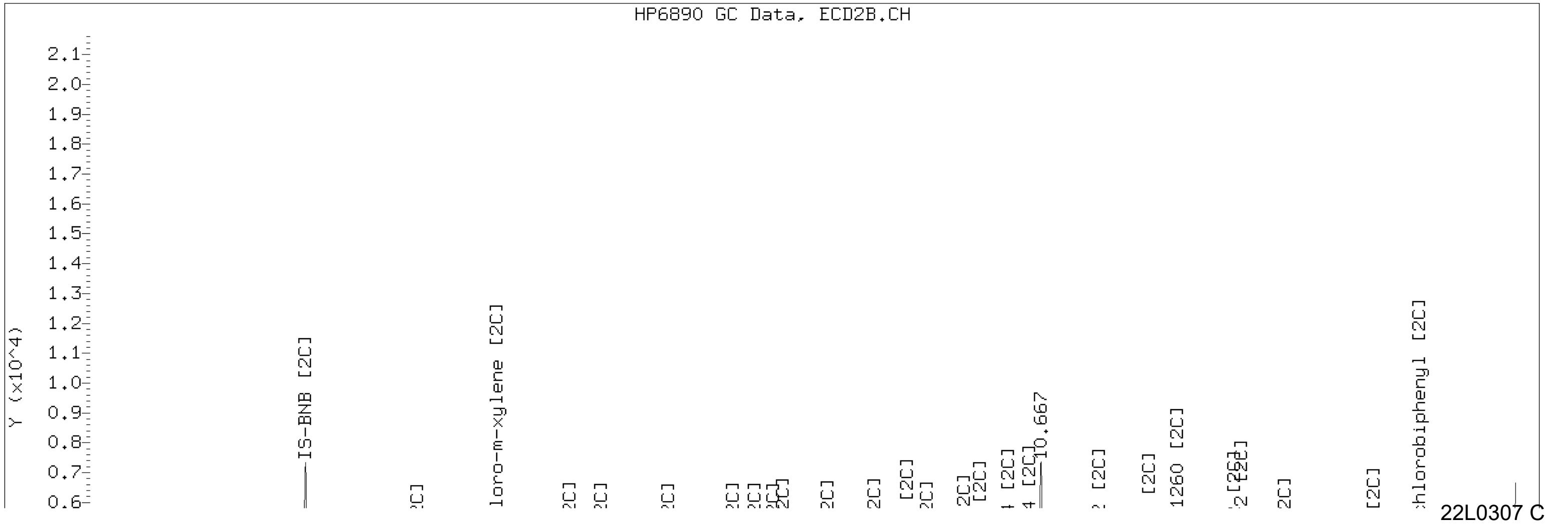
Manual Peak Adjustment, ZB-35

Datafile: ecd7.i/221231.b/221231.b/12312247ECD7.D   Injection Date: 01-JAN-2023 02:19

Manual Integration (After)



Processed Integration (Before)



LDW22-IT806E

Dual Column

ORGANIC ANALYSIS DATA SHEET
EPA 8082A

Laboratory:	Analytical Resources, LLC			SDG:	22L0307
Client:	Anchor QEA, LLC				
Project:	AOC4 UR Phase 3				
Matrix:	Solid	Laboratory ID:	22L0307-19 B	File ID:	12312248ECD7.D
Sampled:	12/12/22 08:35	Prepared:	12/27/22 14:11	Analyzed:	01/01/23 02:40
% Solids:	76.80	Preparation:	EPA 3546 (Microwave)	Initial/Final:	16.28 g Wet / 2.5 mL
Batch:	BKL0581	Sequence:	SLA0071	Calibration:	FL00010
Instrument:	ECD7	Column 1:	ZB5	Column 2:	ZB35

CAS NO.	COMPOUND	Col #	DILUTION	CONC. (ug/kg dry)	MDL	MRL	Q
12674-11-2	Aroclor 1016	1	1	4.0	1.6	4.0	U
11104-28-2	Aroclor 1221	1	1	4.0	1.6	4.0	U
11141-16-5	Aroclor 1232	1	1	4.0	1.6	4.0	U
53469-21-9	Aroclor 1242	1	1	4.0	1.6	4.0	U
12672-29-6	Aroclor 1248	1	1	2.2	1.6	4.0	J
11097-69-1	Aroclor 1254	2	1	5.0	1.6	4.0	
11096-82-5	Aroclor 1260	1	1	8.9	0.6	4.0	

SURROGATES	Col #	ADDED (ug/kg dry)	CONC (ug/kg dry)	% REC	QC LIMITS	Q
Decachlorobiphenyl	*1*	*7.9981*	*7.39*	*92.4*	*40 - 126*	
Tetrachlorometaxylene	*1*	*7.9981*	*5.74*	*71.8*	*44 - 120*	
Decachlorobiphenyl	*2*	*7.9981*	*7.03*	*87.9*	*40 - 126*	
Tetrachlorometaxylene	*2*	*7.9981*	*6.04*	*75.5*	*44 - 120*	

```
                              Analytical Resources Inc.
                        Dual Column 608/8082 PCB Quantitation Report

 Data file 1: /221231.b/12312248ECD7.D                    ARI ID: 22L0307-19
 Data file 2: /221231.b/221231.b/12312248ECD7.D           Client ID:
 Method: \\target\share\chem4\ecd7.i\221231.b\PCB.m       Injection Date: 01-JAN-2023 02:40
 Compound Sublist: PCB.sub                                Report Date: 01/05/2023 17:04
 Instrument, Inj. Vol.: ecd7.i, 2ul                       Matrix: NONE
 Quant Method: Internal Std                               Dilution Factor:  1.0



                                 SURROGATES

        ZB5 Col          |       ZB35 Col          |   ZB5    ZB35
   RT    Shift Response | RT    Shift  Response   |  on col  on col    RPD   Compound/Flag
 ========================================================================================

  5.827 -0.004   191856 | 5.704  -0.006   133088|   28.7    30.2      5.1    Tetrachloro-m-xylene
 13.896 -0.005   209802 |14.124  -0.006   208082|   37.0    35.2      5.0    Decachlorobiphenyl


*  Indicates RPD > 40%




                            INTERNAL STANDARD SUMMARY

                                        Column 1
                                 Standard    Sample
                  Standard Cpnd       Area*       Area      %D
               --------------------------------------------------
                 Bromo-Nitrobenzene    447645      471564    5.3
                 Hexabromobiphenyl     798898      618976  -22.5

                                        Column 2
                                 Standard    Sample
                  Standard Cpnd       Area*       Area      %D
               --------------------------------------------------
                 Bromo-Nitrobenzene    249094     321421    29.0
                 Hexabromobiphenyl     362541     416703    14.9


                * Standard Areas taken from Initial Cal Level 3
                  Initial Calibration Date: 03-DEC-2022
               <- Indicates standard response outside Limits (-50 to +100%)
```

```
                              ZB5 Col                             ZB35 Col
 Aroclor   Peak#    RT    Shift    Area    Amount    Peak#   RT     Shift    Area   Amount
 ============================================================================================
 Aroclor-1016 1      ---                     0.0      1     ---                      0.0
 Aroclor-1016 2      ---                     0.0      2     ---                      0.0
 Aroclor-1016 3      ---                     0.0      3     ---                      0.0
 Aroclor-1016 4      ---                     0.0      4     ---                      0.0
            Col1Ave: <3 Quant Peaks                    Col2Ave: <3 Quant Peaks

 Aroclor-1221 1      ---                     0.0      1     ---                      0.0
 Aroclor-1221 2      ---                     0.0      2     ---                      0.0
 Aroclor-1221 3      ---                     0.0      3     ---                      0.0
            Col1Ave: <3 Quant Peaks                    Col2Ave: <3 Quant Peaks

 Aroclor-1232 1      ---                     0.0      1     ---                      0.0
 Aroclor-1232 2      ---                     0.0      2     ---                      0.0
 Aroclor-1232 3      ---                     0.0      3     ---                      0.0
 Aroclor-1232 4      ---                     0.0      4     ---                      0.0
            Col1Ave: <3 Quant Peaks                    Col2Ave: <3 Quant Peaks

 Aroclor-1242 1      ---                     0.0      1     ---                      0.0
 Aroclor-1242 2      ---                     0.0      2     ---                      0.0
 Aroclor-1242 3      ---                     0.0      3     ---                      0.0
 Aroclor-1242 4      ---                     0.0      4     ---                      0.0
            Col1Ave: <3 Quant Peaks                    Col2Ave: <3 Quant Peaks

 Aroclor-1248 1   8.414  -0.014      2457    12.1      1    8.316  -0.007     1237     9.4
 Aroclor-1248 2   8.580  -0.025      2378     9.2      2    8.721  -0.007      754     5.5
 Aroclor-1248 3   9.001  -0.021      5197    11.2      3    9.156  -0.019     1480     8.8
 Aroclor-1248 4   9.302  -0.009      7104    ~~31.1~~      4    9.547  -0.048     2441    12.4
      Total Col1Ave (4 peaks):     ~~15.9~~       Total Col2Ave (4 peaks):     9.0   RPD = 55*
      Corrected Ave (3 peaks):     10.8       Corrected Ave (3 peaks):     7.9   RPD = 31

 Aroclor-1254 1   9.302  -0.019      7104    17.1      1    9.453  -0.008     3905    18.8
 Aroclor-1254 2   9.376  -0.025      3254    20.2      2    9.971  -0.008     2149    12.9
 Aroclor-1254 3   9.674  -0.020      4927    18.8      3   10.118  -0.012     6971    19.5
 Aroclor-1254 4   9.802  -0.028      9868    19.3      4   10.370  -0.008     9911    26.7
 Aroclor-1254 5  10.127  -0.063     12477    ~~35.6~~      5   10.568  -0.008     8305    46.4
      Total Col1Ave (5 peaks):     ~~22.2~~       Total Col2Ave (5 peaks):    24.9   RPD = 11
      Corrected Ave (4 peaks):     18.8       Corrected Ave (4 peaks):    19.5   RPD = 3

 Aroclor-1260 1  11.045  -0.017      9593    42.6      1   11.655  -0.008     7371    33.5
 Aroclor-1260 2  11.362  -0.015      8209    35.2      2   11.917  -0.009    17613    31.9
 Aroclor-1260 3  11.731  -0.021     25118    41.0      3   12.435  -0.010     8941    60.8
 Aroclor-1260 4  12.132  -0.026     10834    34.7      4   12.501  -0.009    13313    36.2
 Aroclor-1260 5  12.245  -0.016      8933    70.0      NS    ---                     ----
      Total Col1Ave (5 peaks):     44.7       Total Col2Ave (4 peaks):    40.6   RPD = 10
      Corrected Ave (4 peaks):     38.4       Corrected Ave (3 peaks):    33.9   RPD = 13

 Aroclor-1262 1      ---                     0.0      1     ---                      0.0
 Aroclor-1262 2      ---                     0.0      2     ---                      0.0
 Aroclor-1262 3      ---                     0.0      3     ---                      0.0
 Aroclor-1262 4      ---                     0.0      4     ---                      0.0
            Col1Ave: <3 Quant Peaks                    Col2Ave: <3 Quant Peaks

 Aroclor-1268 1      ---                     0.0      1     ---                      0.0
 Aroclor-1268 2      ---                     0.0      2     ---                      0.0
 Aroclor-1268 3      ---                     0.0      3     ---                      0.0
 Aroclor-1268 4      ---                     0.0      4     ---                      0.0
            Col1Ave: <3 Quant Peaks                    Col2Ave: <3 Quant Peaks
```

Total PCB Area Col1 (5.932 - 13.801) = 295745 Col1 Total PCB = 0.1 ppm*

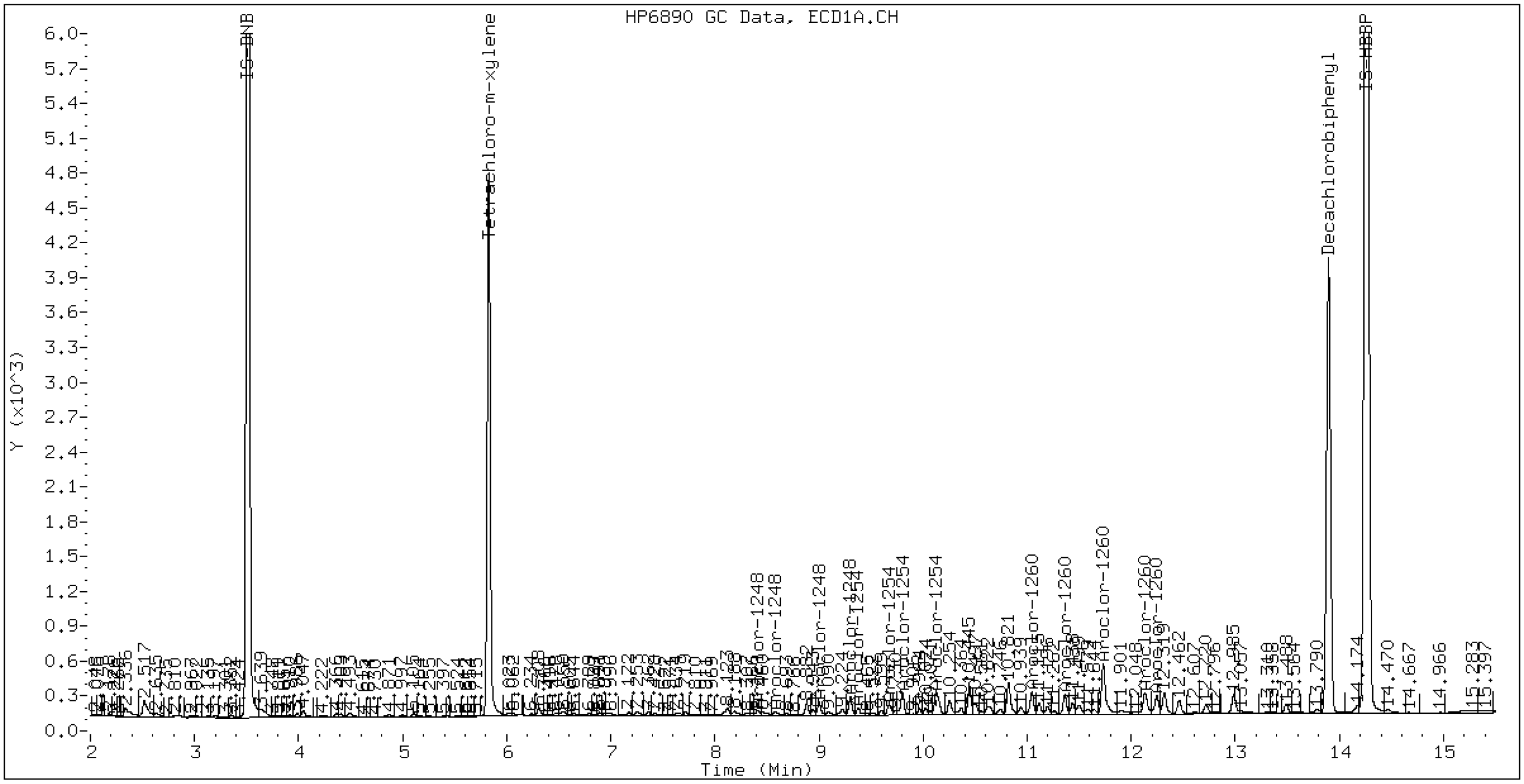
Total PCB Area Col2 (5.810 - 14.030) = 202049 Col2 Total PCB = 0.1 ppm*

* Quantitated against AR1660 0.25ppm in Ical

PCB-Form 10 Mod.

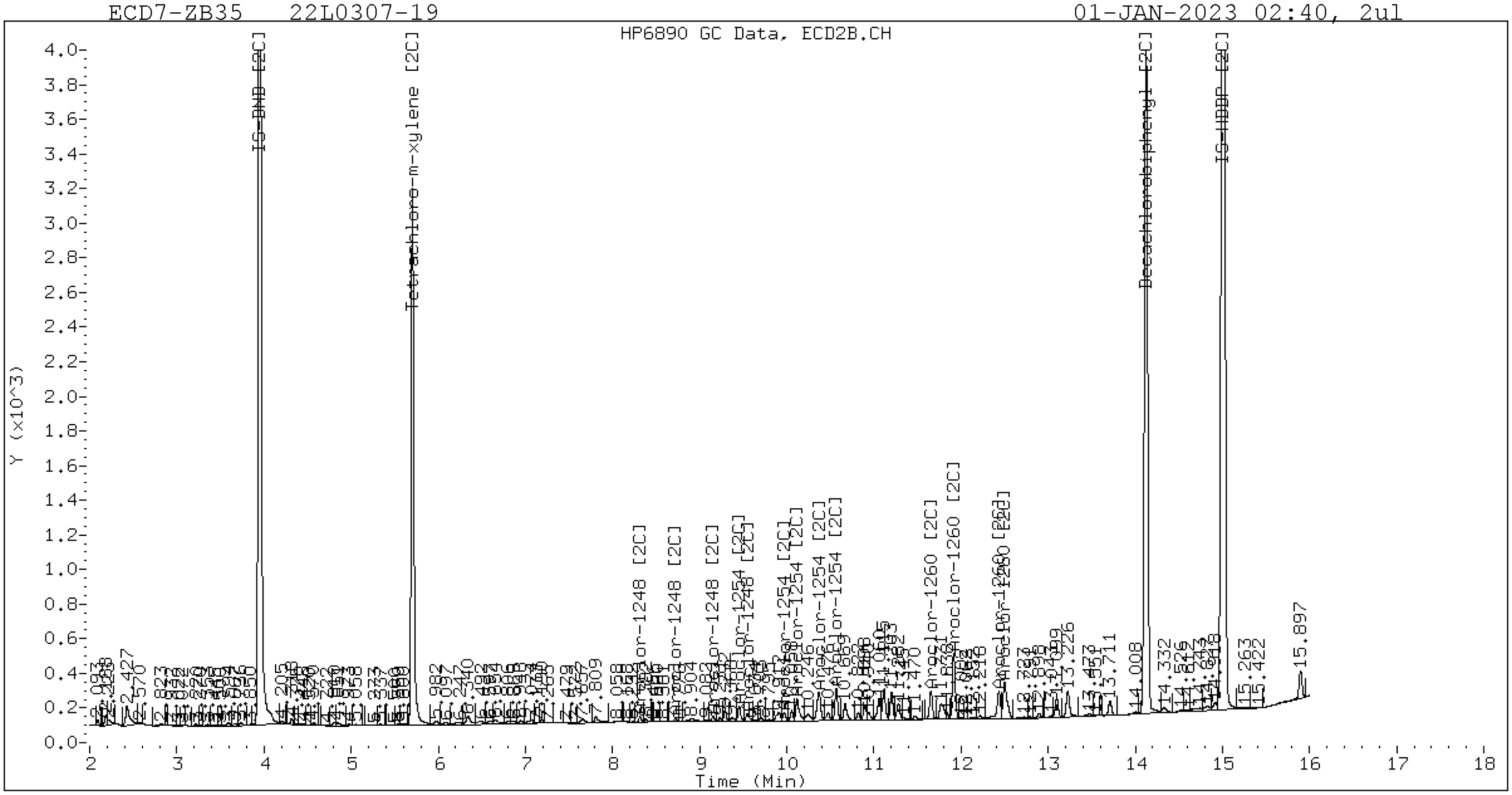
PCB Dual Column Chromatograms

ECD7-ZB5 22L0307-19 01-JAN-2023 02:40, 2ul



ZB-5 Manual Integration: NO

ECD7-ZB35 22L0307-19 01-JAN-2023 02:40, 2ul

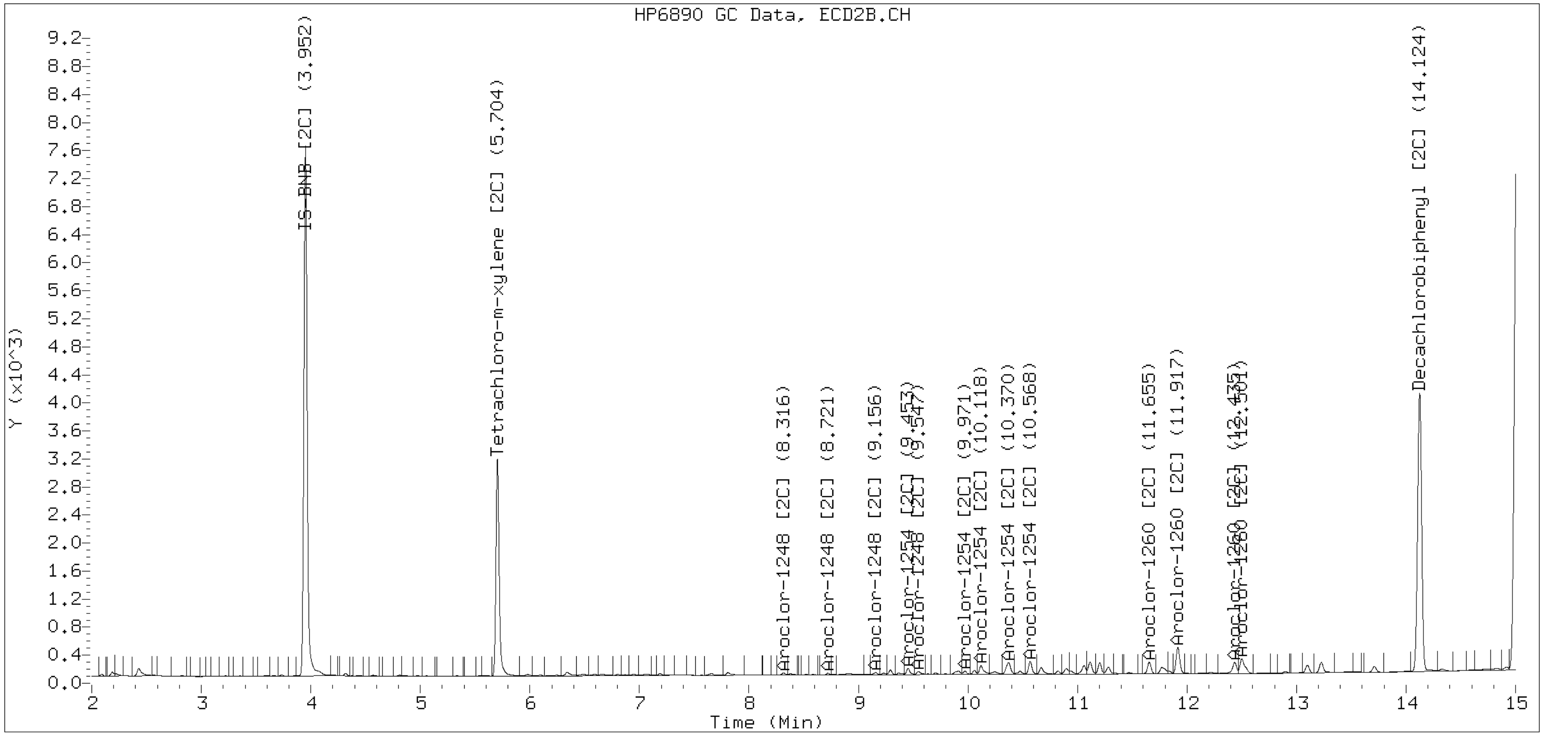


ZB-35 Manual Integration: YES

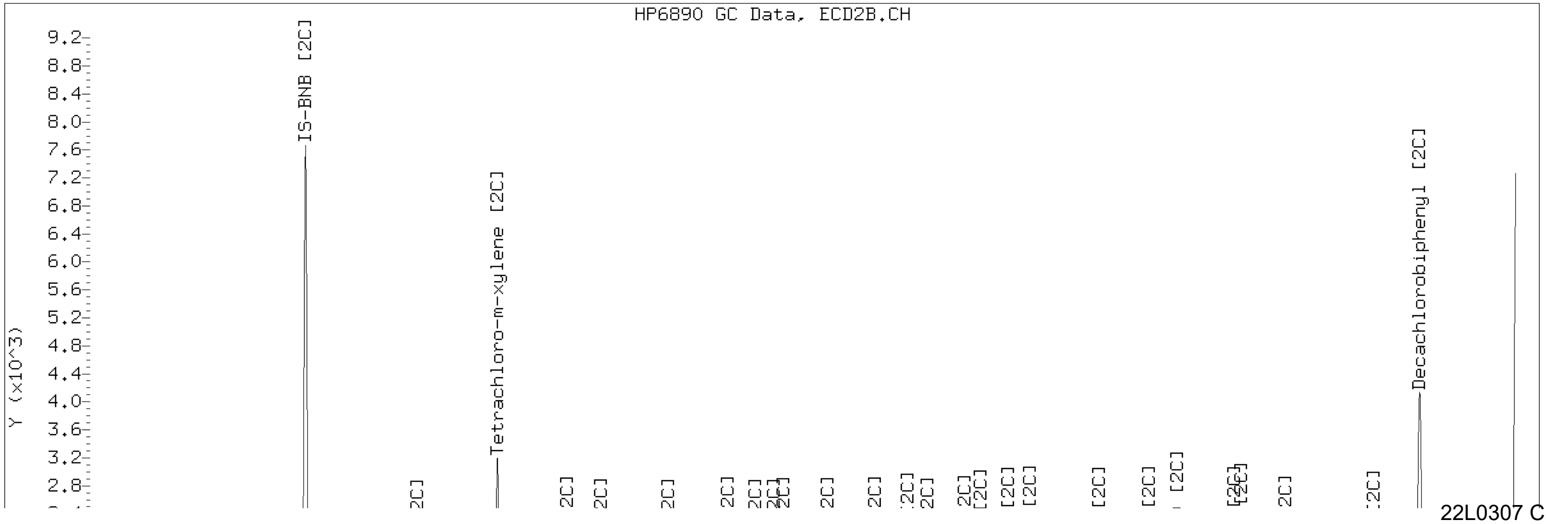
Manual Peak Adjustment, ZB-35

Datafile: ecd7.i/221231.b/221231.b/12312248ECD7.D   Injection Date: 01-JAN-2023 02:40

Manual Integration (After)



Processed Integration (Before)



LDW22-IT806F

Dual Column

ORGANIC ANALYSIS DATA SHEET
EPA 8082A

Laboratory:	Analytical Resources, LLC			SDG:	22L0307
Client:	Anchor QEA, LLC				
Project:	AOC4 UR Phase 3				
Matrix:	Solid	Laboratory ID:	22L0307-20 B	File ID:	12312249ECD7.D
Sampled:	12/12/22 08:35	Prepared:	12/27/22 14:11	Analyzed:	01/01/23 03:01
% Solids:	78.96	Preparation:	EPA 3546 (Microwave)	Initial/Final:	15.87 g Wet / 2.5 mL
Batch:	BKL0581	Sequence:	SLA0071	Calibration:	FL00010
Instrument:	ECD7	Column 1:	ZB5	Column 2:	ZB35

CAS NO.	COMPOUND	Col #	DILUTION	CONC. (ug/kg dry)	MDL	MRL	Q
12674-11-2	Aroclor 1016	1	1	4.0	1.6	4.0	U
11104-28-2	Aroclor 1221	1	1	4.0	1.6	4.0	U
11141-16-5	Aroclor 1232	1	1	4.0	1.6	4.0	U
53469-21-9	Aroclor 1242	1	1	4.0	1.6	4.0	U
12672-29-6	Aroclor 1248	1	1	4.0	1.6	4.0	U
11097-69-1	Aroclor 1254	1	1	4.0	1.6	4.0	U
11096-82-5	Aroclor 1260	1	1	4.0	0.6	4.0	U

SURROGATES	Col #	ADDED (ug/kg dry)	CONC (ug/kg dry)	% REC	QC LIMITS	Q
Decachlorobiphenyl	*1*	*7.9802*	*7.83*	*98.1*	*40 - 126*	
Tetrachlorometaxylene	*1*	*7.9802*	*6.12*	*76.7*	*44 - 120*	

```
                               Analytical Resources Inc.
                          Dual Column 608/8082 PCB Quantitation Report

 Data file 1: /221231.b/12312249ECD7.D                   ARI ID: 22L0307-20
 Data file 2: /221231.b/221231.b/12312249ECD7.D          Client ID:
 Method: \\target\share\chem4\ecd7.i\221231.b\PCB.m      Injection Date: 01-JAN-2023 03:01
 Compound Sublist: PCB.sub                               Report Date: 01/05/2023 17:04
 Instrument, Inj. Vol.: ecd7.i, 2ul                      Matrix: NONE
 Quant Method: Internal Std                              Dilution Factor:  1.0



                                  SURROGATES

        ZB5 Col         |       ZB35 Col         |   ZB5    ZB35
   RT    Shift Response | RT    Shift  Response  |  on col  on col    RPD   Compound/Flag
 ========================================================================================

  5.830 -0.002   212450 | 5.708  -0.002   138008|   30.7    30.1      1.8    Tetrachloro-m-xylene
 13.898 -0.003   305169 |14.127  -0.003   266051|   39.2    38.0      3.3    Decachlorobiphenyl


*  Indicates RPD > 40%



                             INTERNAL STANDARD SUMMARY

                                         Column 1
                                  Standard    Sample
                Standard Cpnd       Area*       Area      %D
            --------------------------------------------------
              Bromo-Nitrobenzene    447645      488637    9.2
              Hexabromobiphenyl     798898      848569    6.2

                                         Column 2
                                  Standard    Sample
                Standard Cpnd       Area*       Area      %D
            --------------------------------------------------
              Bromo-Nitrobenzene    249094     334189    34.2
              Hexabromobiphenyl     362541     493614    36.2


             * Standard Areas taken from Initial Cal Level 3
               Initial Calibration Date: 03-DEC-2022
            <- Indicates standard response outside Limits (-50 to +100%)
```

```
                            ZB5 Col                          ZB35 Col
 Aroclor   Peak#    RT    Shift    Area    Amount    Peak#   RT     Shift    Area   Amount
 =======================================================================================
 Aroclor-1016 1      ---                     0.0      1     ---                     0.0
 Aroclor-1016 2      ---                     0.0      2     ---                     0.0
 Aroclor-1016 3      ---                     0.0      3     ---                     0.0
 Aroclor-1016 4      ---                     0.0      4     ---                     0.0
             Col1Ave: <3 Quant Peaks                   Col2Ave: <3 Quant Peaks

 Aroclor-1221 1      ---                     0.0      1     ---                     0.0
 Aroclor-1221 2      ---                     0.0      2     ---                     0.0
 Aroclor-1221 3      ---                     0.0      3     ---                     0.0
             Col1Ave: <3 Quant Peaks                   Col2Ave: <3 Quant Peaks

 Aroclor-1232 1      ---                     0.0      1     ---                     0.0
 Aroclor-1232 2      ---                     0.0      2     ---                     0.0
 Aroclor-1232 3      ---                     0.0      3     ---                     0.0
 Aroclor-1232 4      ---                     0.0      4     ---                     0.0
             Col1Ave: <3 Quant Peaks                   Col2Ave: <3 Quant Peaks

 Aroclor-1242 1      ---                     0.0      1     ---                     0.0
 Aroclor-1242 2      ---                     0.0      2     ---                     0.0
 Aroclor-1242 3      ---                     0.0      3     ---                     0.0
 Aroclor-1242 4      ---                     0.0      4     ---                     0.0
             Col1Ave: <3 Quant Peaks                   Col2Ave: <3 Quant Peaks

 Aroclor-1248 1      ---                     0.0      1     ---                     0.0
 Aroclor-1248 2      ---                     0.0      2     ---                     0.0
 Aroclor-1248 3      ---                     0.0      3     ---                     0.0
 Aroclor-1248 4      ---                     0.0      4     ---                     0.0
             Col1Ave: <3 Quant Peaks                   Col2Ave: <3 Quant Peaks

 Aroclor-1254 1      ---                     0.0      1     ---                     0.0
 Aroclor-1254 2      ---                     0.0      2     ---                     0.0
 Aroclor-1254 3      ---                     0.0      3     ---                     0.0
 Aroclor-1254 4      ---                     0.0      4     ---                     0.0
 Aroclor-1254 5      ---                     0.0      5     ---                     0.0
             Col1Ave: <3 Quant Peaks                   Col2Ave: <3 Quant Peaks

 Aroclor-1260 1      ---                     0.0      1     ---                     0.0
 Aroclor-1260 2      ---                     0.0      2     ---                     0.0
 Aroclor-1260 3      ---                     0.0      3     ---                     0.0
 Aroclor-1260 4      ---                     0.0      4     ---                     0.0
 Aroclor-1260 5      ---                     0.0      NS    ---                    ----
             Col1Ave: <3 Quant Peaks                   Col2Ave: <3 Quant Peaks

 Aroclor-1262 1      ---                     0.0      1     ---                     0.0
 Aroclor-1262 2      ---                     0.0      2     ---                     0.0
 Aroclor-1262 3      ---                     0.0      3     ---                     0.0
 Aroclor-1262 4      ---                     0.0      4     ---                     0.0
             Col1Ave: <3 Quant Peaks                   Col2Ave: <3 Quant Peaks

 Aroclor-1268 1      ---                     0.0      1     ---                     0.0
 Aroclor-1268 2      ---                     0.0      2     ---                     0.0
 Aroclor-1268 3      ---                     0.0      3     ---                     0.0
 Aroclor-1268 4      ---                     0.0      4     ---                     0.0
             Col1Ave: <3 Quant Peaks                   Col2Ave: <3 Quant Peaks




 Total PCB Area Col1 (5.932 - 13.801) =     112337     Col1 Total PCB = 0.0 ppm*
```

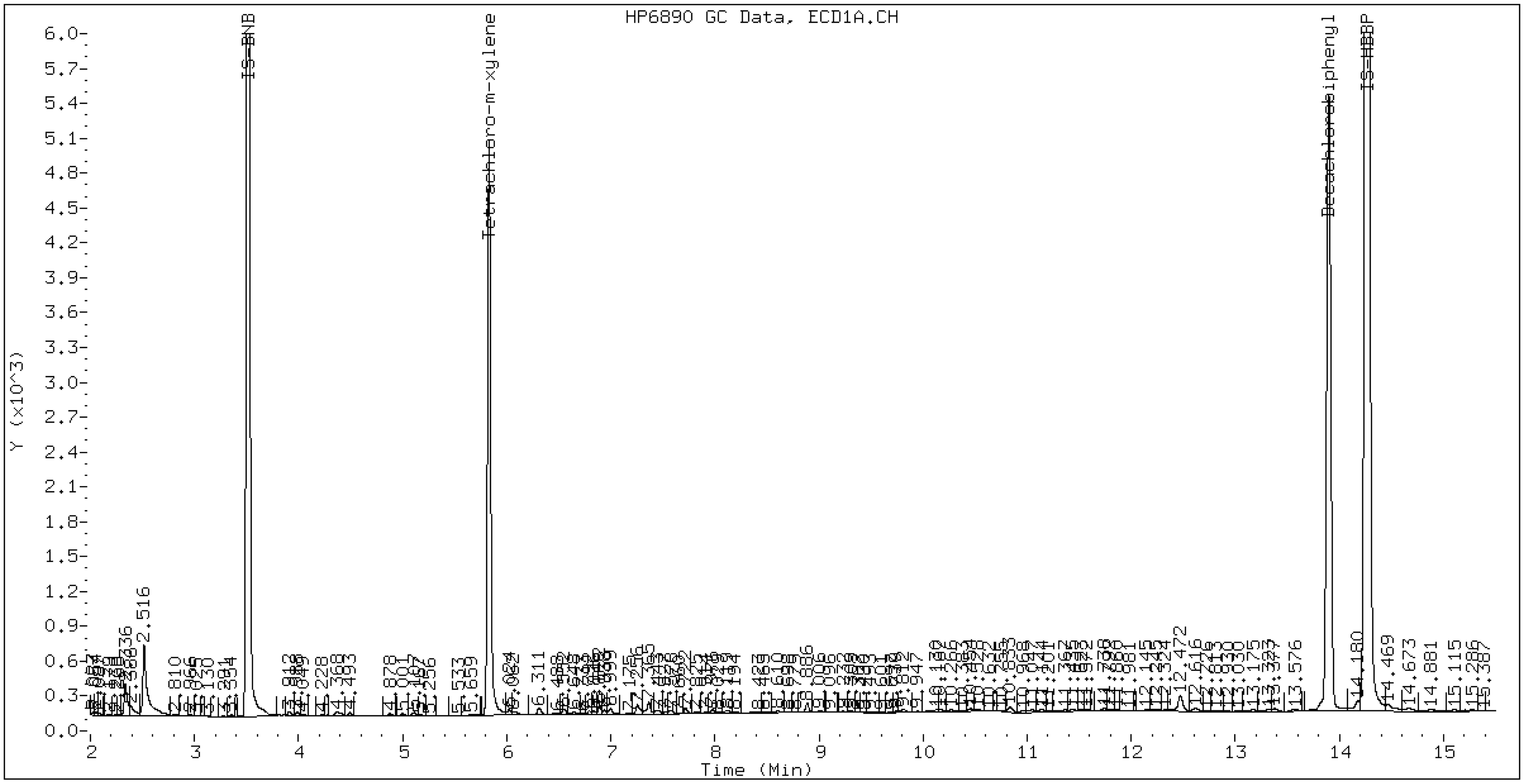
```
Total PCB Area Col2 (5.810 - 14.030) =      70512     Col2 Total PCB = 0.0 ppm*

  *  Quantitated against AR1660 0.25ppm in Ical

                                    PCB-Form 10 Mod.
```

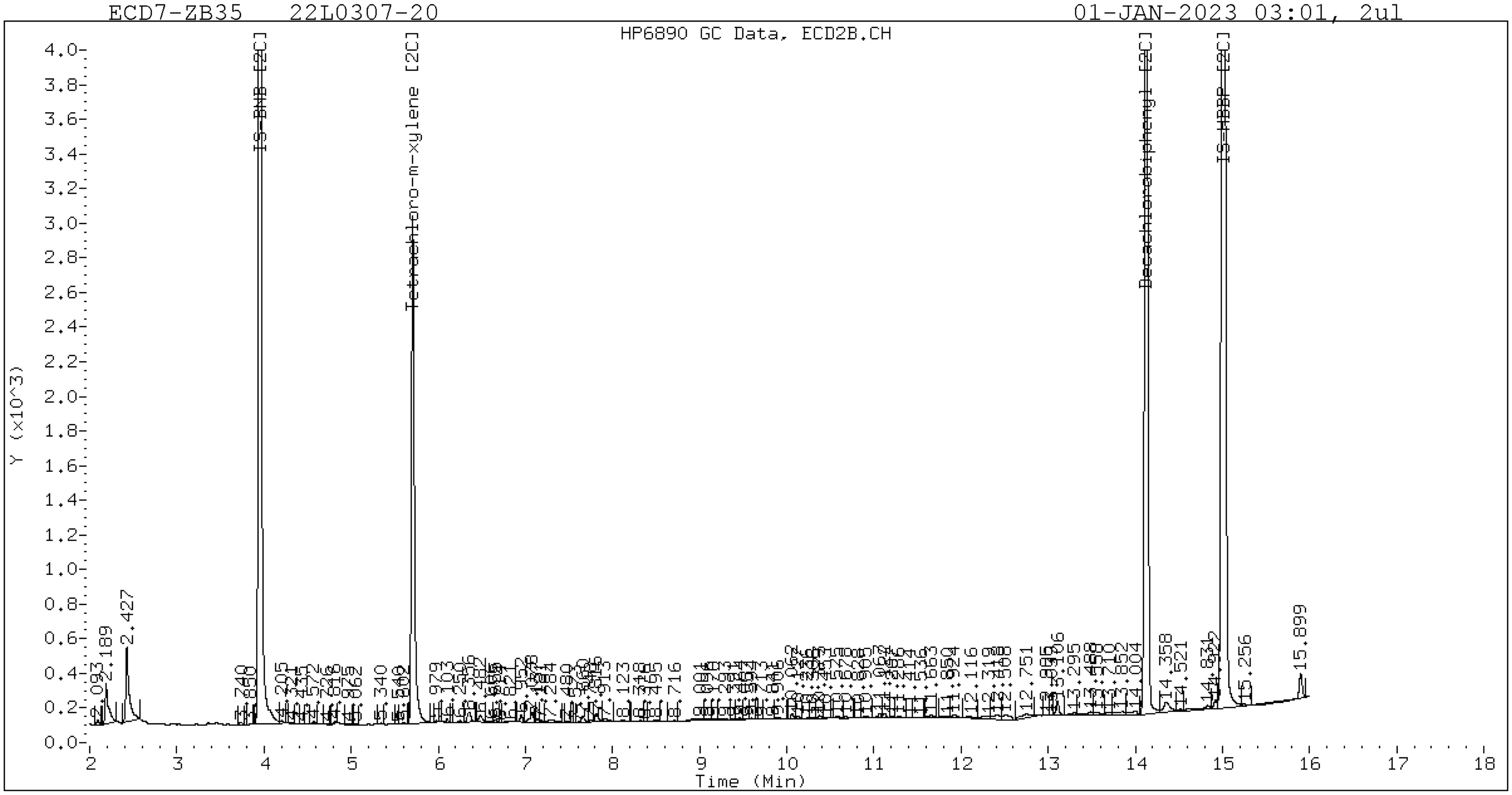
PCB Dual Column Chromatograms

ECD7-ZB5 22L0307-20 01-JAN-2023 03:01, 2ul



ZB-5 Manual Integration: NO

ECD7-ZB35 22L0307-20 01-JAN-2023 03:01, 2ul



ZB-35 Manual Integration: NO

LDW22-SC750A

Dual Column

ORGANIC ANALYSIS DATA SHEET
EPA 8082A

Laboratory:	Analytical Resources, LLC			SDG:	22L0307
Client:	Anchor QEA, LLC				
Project:	AOC4 UR Phase 3				
Matrix:	Solid	Laboratory ID:	22L0307-21 B	File ID:	01072329ECD7.D
Sampled:	12/12/22 09:26	Prepared:	12/28/22 14:11	Analyzed:	01/07/23 19:27
% Solids:	66.07	Preparation:	EPA 3546 (Microwave)	Initial/Final:	18.97 g Wet / 2.5 mL
Batch:	BKL0582	Sequence:	SLA0099	Calibration:	FL00010
Instrument:	ECD7	Column 1:	ZB5	Column 2:	ZB35

CAS NO.	COMPOUND	Col #	DILUTION	CONC. (ug/kg dry)	MDL	MRL	Q
12674-11-2	Aroclor 1016	1	1	4.0	1.6	4.0	U
11104-28-2	Aroclor 1221	1	1	4.0	1.6	4.0	U
11141-16-5	Aroclor 1232	1	1	4.0	1.6	4.0	U
53469-21-9	Aroclor 1242	1	1	4.0	1.6	4.0	U
12672-29-6	Aroclor 1248	1	1	4.0	1.6	4.0	U
11097-69-1	Aroclor 1254	1	1	3.1	1.6	4.0	J
11096-82-5	Aroclor 1260	1	1	3.5	0.6	4.0	J

SURROGATES	Col #	ADDED (ug/kg dry)	CONC (ug/kg dry)	% REC	QC LIMITS	Q
Decachlorobiphenyl	*1*	*7.9786*	*8.24*	*103*	*40 - 126*	
Tetrachlorometaxylene	*1*	*7.9786*	*5.59*	*70.0*	*44 - 120*	

```
                                 Analytical Resources Inc.
                            Dual Column 608/8082 PCB Quantitation Report

 Data file 1: /230107.b/01072329ECD7.D                        ARI ID: 22L0307-21
 Data file 2: /230107.b/230107.b/01072329ECD7.D               Client ID:
 Method: \\target\share\chem4\ecd7.i\230107.b\PCB.m           Injection Date: 07-JAN-2023 19:27
 Compound Sublist: PCB.sub                                    Report Date: 01/11/2023 15:12
 Instrument, Inj. Vol.: ecd7.i, 2ul                           Matrix: NONE
 Quant Method: Internal Std                                   Dilution Factor:  1.0



                                    SURROGATES

        ZB5 Col         |        ZB35 Col         |   ZB5    ZB35
   RT    Shift Response | RT    Shift  Response   |  on col  on col    RPD   Compound/Flag
 ===========================================================================================

  5.826 -0.007   178948 | 5.703  -0.006   132145|   28.0    32.4     14.5    Tetrachloro-m-xylene
 13.894 -0.010   210040 |14.122  -0.006   211001|   41.3    36.9     11.3    Decachlorobiphenyl


*  Indicates RPD > 40%



                               INTERNAL STANDARD SUMMARY

                                            Column 1
                                     Standard    Sample
                   Standard Cpnd       Area*       Area      %D
               --------------------------------------------------
                 Bromo-Nitrobenzene    447645      450818    0.7
                 Hexabromobiphenyl     798898      554495  -30.6

                                            Column 2
                                     Standard    Sample
                   Standard Cpnd       Area*       Area      %D
               --------------------------------------------------
                 Bromo-Nitrobenzene    249094     297668    19.5
                 Hexabromobiphenyl     362541     402809    11.1


                * Standard Areas taken from Initial Cal Level 3
                  Initial Calibration Date: 03-DEC-2022
               <- Indicates standard response outside Limits (-50 to +100%)
```

```
                             ZB5 Col                          ZB35 Col
 Aroclor   Peak#    RT    Shift    Area    Amount    Peak#   RT     Shift    Area   Amount
 ========================================================================================
 Aroclor-1016 1      ---                     0.0      1     ---                      0.0
 Aroclor-1016 2      ---                     0.0      2     ---                      0.0
 Aroclor-1016 3      ---                     0.0      3     ---                      0.0
 Aroclor-1016 4      ---                     0.0      4     ---                      0.0
             Col1Ave: <3 Quant Peaks                   Col2Ave: <3 Quant Peaks

 Aroclor-1221 1      ---                     0.0      1     ---                      0.0
 Aroclor-1221 2      ---                     0.0      2     ---                      0.0
 Aroclor-1221 3      ---                     0.0      3     ---                      0.0
             Col1Ave: <3 Quant Peaks                   Col2Ave: <3 Quant Peaks

 Aroclor-1232 1      ---                     0.0      1     ---                      0.0
 Aroclor-1232 2      ---                     0.0      2     ---                      0.0
 Aroclor-1232 3      ---                     0.0      3     ---                      0.0
 Aroclor-1232 4      ---                     0.0      4     ---                      0.0
             Col1Ave: <3 Quant Peaks                   Col2Ave: <3 Quant Peaks

 Aroclor-1242 1      ---                     0.0      1     ---                      0.0
 Aroclor-1242 2      ---                     0.0      2     ---                      0.0
 Aroclor-1242 3      ---                     0.0      3     ---                      0.0
 Aroclor-1242 4      ---                     0.0      4     ---                      0.0
             Col1Ave: <3 Quant Peaks                   Col2Ave: <3 Quant Peaks

 Aroclor-1248 1      ---                     0.0      1     ---                      0.0
 Aroclor-1248 2      ---                     0.0      2     ---                      0.0
 Aroclor-1248 3      ---                     0.0      3     ---                      0.0
 Aroclor-1248 4      ---                     0.0      4     ---                      0.0
             Col1Ave: <3 Quant Peaks                   Col2Ave: <3 Quant Peaks

 Aroclor-1254 1   9.300  -0.011      5760    14.5      1    9.451  -0.011     3708    19.3
 Aroclor-1254 2   9.374  -0.014      1960    12.7      2    9.968  -0.013     2071    13.4
 Aroclor-1254 3   9.670  -0.009      4512    18.0      3   10.115  -0.019     5474    16.5
 Aroclor-1254 4   9.800  -0.015      8193    16.8      4   10.363  -0.019     8480    24.7
 Aroclor-1254 5  10.130  -0.037      5367    16.0      5   10.566  -0.012     6179    37.3
       Total Col1Ave (5 peaks):    15.6       Total Col2Ave (5 peaks):    22.2   RPD = 35
       Corrected Ave (4 peaks):    15.0       Corrected Ave (4 peaks):    18.5   RPD = 21

 Aroclor-1260 1  11.045  -0.015      3305    16.4      1   11.655  -0.008     3102    14.6
 Aroclor-1260 2  11.360  -0.015      3232    15.5      2   11.914  -0.014     6437    12.1
 Aroclor-1260 3  11.730  -0.020      8413    15.3      3   12.432  -0.013     3613    25.4
 Aroclor-1260 4  12.132  -0.022      5131    18.4      4   12.498  -0.014     5428    15.3
 Aroclor-1260 5  12.244  -0.012      2523    22.1      NS    ---                     ----
       Total Col1Ave (5 peaks):    17.5       Total Col2Ave (4 peaks):    16.8   RPD = 4
       Corrected Ave (4 peaks):    16.4       Corrected Ave (3 peaks):    14.0   RPD = 16

 Aroclor-1262 1      ---                     0.0      1     ---                      0.0
 Aroclor-1262 2      ---                     0.0      2     ---                      0.0
 Aroclor-1262 3      ---                     0.0      3     ---                      0.0
 Aroclor-1262 4      ---                     0.0      4     ---                      0.0
             Col1Ave: <3 Quant Peaks                   Col2Ave: <3 Quant Peaks

 Aroclor-1268 1      ---                     0.0      1     ---                      0.0
 Aroclor-1268 2      ---                     0.0      2     ---                      0.0
 Aroclor-1268 3      ---                     0.0      3     ---                      0.0
 Aroclor-1268 4      ---                     0.0      4     ---                      0.0
             Col1Ave: <3 Quant Peaks                   Col2Ave: <3 Quant Peaks
```

Total PCB Area Col1 (5.933 - 13.804) = 240572 Col1 Total PCB = 0.1 ppm*

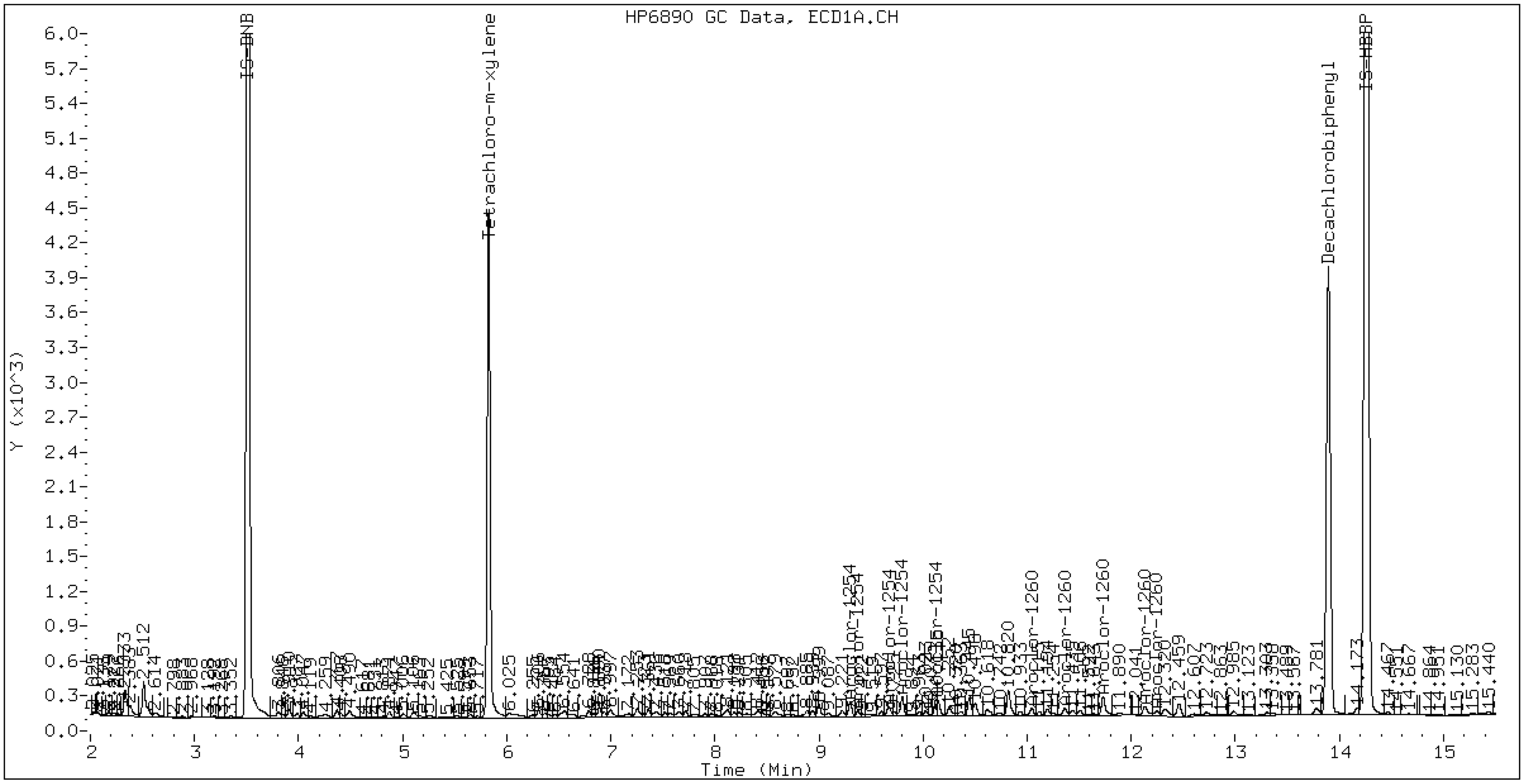
Total PCB Area Col2 (5.809 - 14.028) = 161082 Col2 Total PCB = 0.1 ppm*

* Quantitated against AR1660 0.25ppm in Ical

PCB-Form 10 Mod.

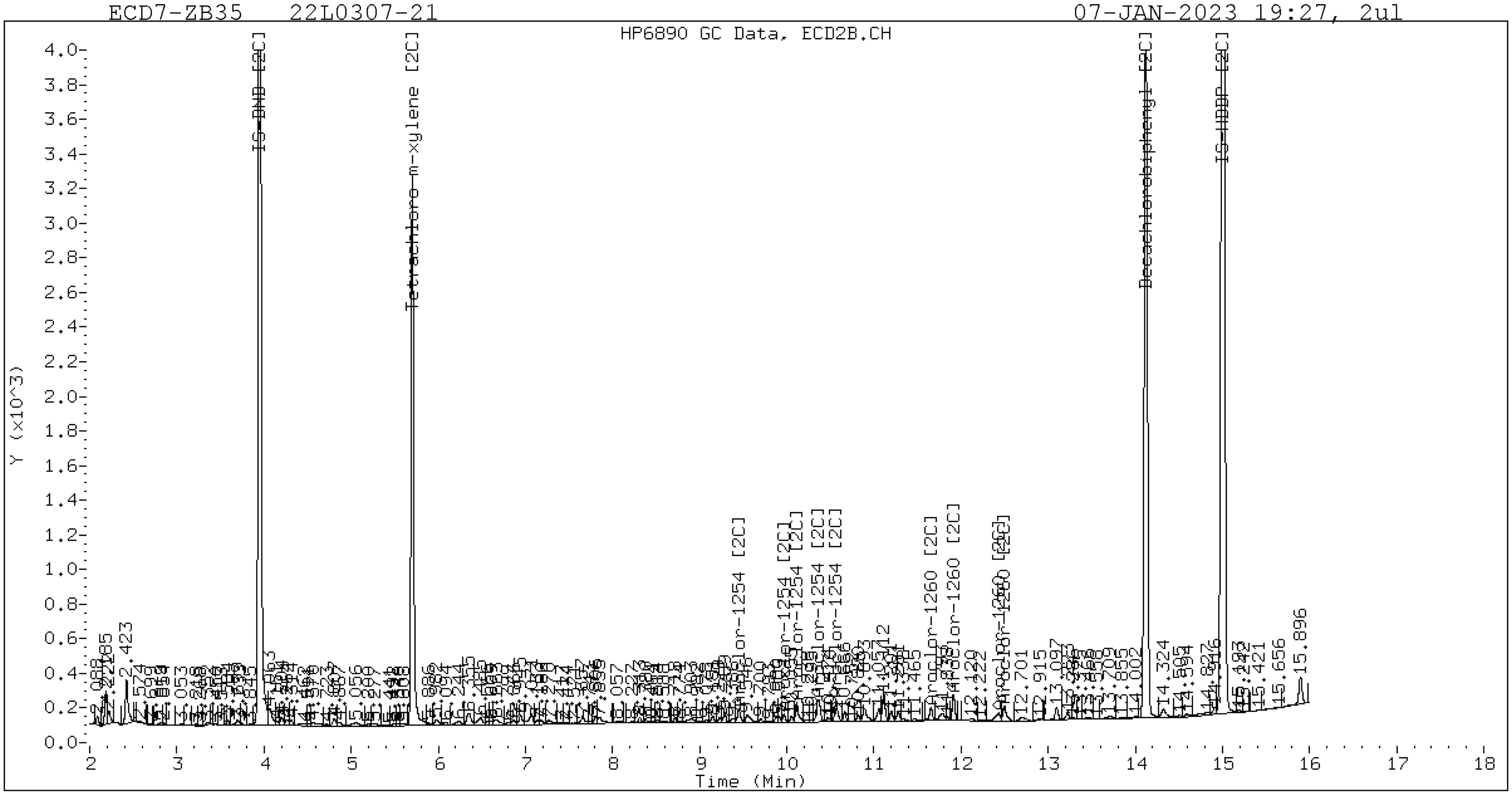
PCB Dual Column Chromatograms

ECD7-ZB5 22L0307-21 07-JAN-2023 19:27, 2ul



ZB-5 Manual Integration: YES

ECD7-ZB35 22L0307-21 07-JAN-2023 19:27, 2ul

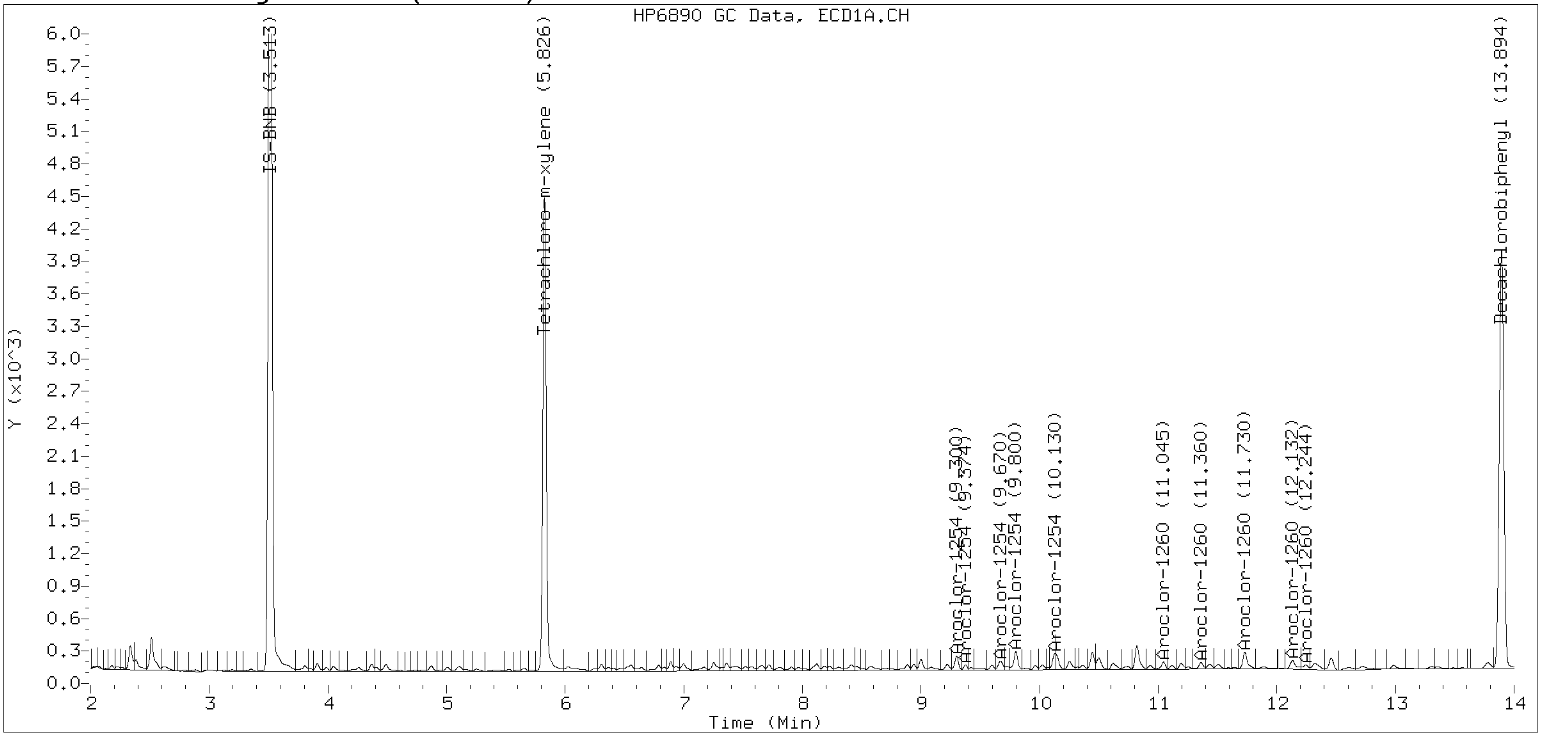


ZB-35 Manual Integration: NO

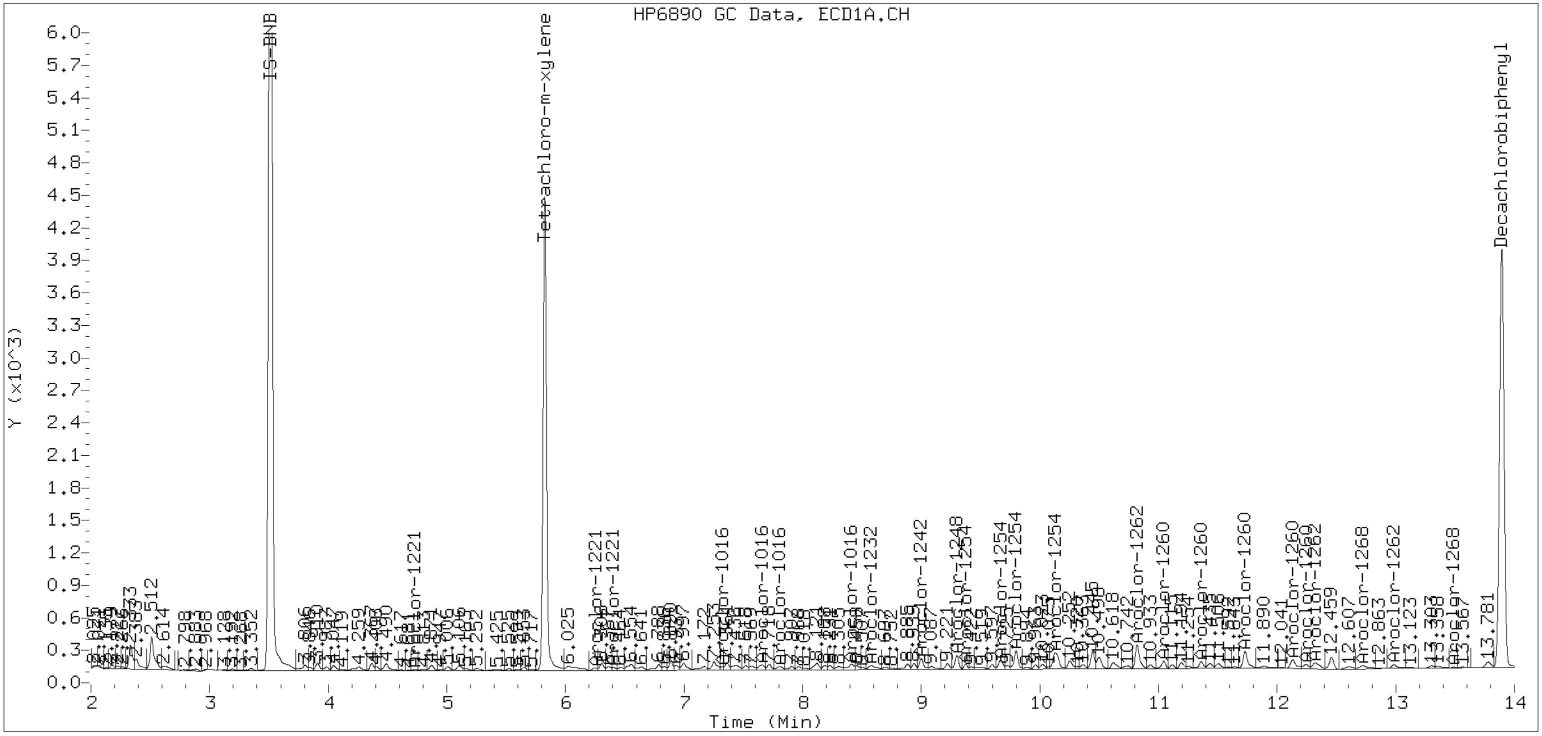
Manual Peak Adjustment, ZB-5

Datafile: ecd7.i/230107.b/01072329ECD7.D   Injection Date: 07-JAN-2023 19:27

Manual Integration (After)



Processed Integration (Before)



LDW22-SC750B

Dual Column

ORGANIC ANALYSIS DATA SHEET
EPA 8082A

Laboratory:	Analytical Resources, LLC			SDG:	22L0307
Client:	Anchor QEA, LLC				
Project:	AOC4 UR Phase 3				
Matrix:	Solid	Laboratory ID:	22L0307-22 B	File ID:	01072330ECD7.D
Sampled:	12/12/22 09:26	Prepared:	12/28/22 14:11	Analyzed:	01/07/23 19:48
% Solids:	64.35	Preparation:	EPA 3546 (Microwave)	Initial/Final:	19.43 g Wet / 2.5 mL
Batch:	BKL0582	Sequence:	SLA0099	Calibration:	FL00010
Instrument:	ECD7	Column 1:	ZB5	Column 2:	ZB35

CAS NO.	COMPOUND	Col #	DILUTION	CONC. (ug/kg dry)	MDL	MRL	Q
12674-11-2	Aroclor 1016	1	1	4.0	1.6	4.0	U
11104-28-2	Aroclor 1221	1	1	4.0	1.6	4.0	U
11141-16-5	Aroclor 1232	1	1	4.0	1.6	4.0	U
53469-21-9	Aroclor 1242	1	1	4.0	1.6	4.0	U
12672-29-6	Aroclor 1248	1	1	4.0	1.6	4.0	U
11097-69-1	Aroclor 1254	1	1	4.0	1.6	4.0	U
11096-82-5	Aroclor 1260	1	1	4.0	0.6	4.0	U

SURROGATES	Col #	ADDED (ug/kg dry)	CONC (ug/kg dry)	% REC	QC LIMITS	Q
Decachlorobiphenyl	*1*	*7.9980*	*7.66*	*95.8*	*40 - 126*	
Tetrachlorometaxylene	*1*	*7.9980*	*5.39*	*67.4*	*44 - 120*	

```
                               Analytical Resources Inc.
                          Dual Column 608/8082 PCB Quantitation Report

 Data file 1: /230107.b/01072330ECD7.D                   ARI ID: 22L0307-22
 Data file 2: /230107.b/230107.b/01072330ECD7.D          Client ID:
 Method: \\target\share\chem4\ecd7.i\230107.b\PCB.m      Injection Date: 07-JAN-2023 19:48
 Compound Sublist: PCB.sub                               Report Date: 01/11/2023 15:12
 Instrument, Inj. Vol.: ecd7.i, 2ul                      Matrix: NONE
 Quant Method: Internal Std                              Dilution Factor:  1.0



                                  SURROGATES

        ZB5 Col         |       ZB35 Col         |  ZB5    ZB35
   RT    Shift Response | RT    Shift  Response  | on col  on col    RPD   Compound/Flag
 ============================================================================================

  5.826 -0.007   174513 | 5.703  -0.006   125599|   27.0    29.6      9.5    Tetrachloro-m-xylene
 13.896 -0.008   227260 |14.122  -0.006   220036|   38.3    34.0     11.9    Decachlorobiphenyl


*  Indicates RPD > 40%



                              INTERNAL STANDARD SUMMARY

                                          Column 1
                                   Standard    Sample
                 Standard Cpnd       Area*       Area      %D
             -------------------------------------------------
               Bromo-Nitrobenzene    447645      456818    2.0
               Hexabromobiphenyl     798898      647028  -19.0

                                          Column 2
                                   Standard    Sample
                 Standard Cpnd       Area*       Area      %D
             -------------------------------------------------
               Bromo-Nitrobenzene    249094     309119    24.1
               Hexabromobiphenyl     362541     455476    25.6


              * Standard Areas taken from Initial Cal Level 3
                Initial Calibration Date: 03-DEC-2022
             <- Indicates standard response outside Limits (-50 to +100%)
```

```
//target/share/chem4/ecd7.i/230107.b/01072330ECD7.D      22L0307-22                        page 2
                             ZB5 Col                          ZB35 Col
 Aroclor   Peak#    RT    Shift    Area    Amount    Peak#   RT     Shift    Area   Amount
 ========================================================================================
 Aroclor-1016 1      ---                     0.0      1     ---                      0.0
 Aroclor-1016 2      ---                     0.0      2     ---                      0.0
 Aroclor-1016 3      ---                     0.0      3     ---                      0.0
 Aroclor-1016 4      ---                     0.0      4     ---                      0.0
             Col1Ave: <3 Quant Peaks                   Col2Ave: <3 Quant Peaks

 Aroclor-1221 1      ---                     0.0      1     ---                      0.0
 Aroclor-1221 2      ---                     0.0      2     ---                      0.0
 Aroclor-1221 3      ---                     0.0      3     ---                      0.0
             Col1Ave: <3 Quant Peaks                   Col2Ave: <3 Quant Peaks

 Aroclor-1232 1      ---                     0.0      1     ---                      0.0
 Aroclor-1232 2      ---                     0.0      2     ---                      0.0
 Aroclor-1232 3      ---                     0.0      3     ---                      0.0
 Aroclor-1232 4      ---                     0.0      4     ---                      0.0
             Col1Ave: <3 Quant Peaks                   Col2Ave: <3 Quant Peaks

 Aroclor-1242 1      ---                     0.0      1     ---                      0.0
 Aroclor-1242 2      ---                     0.0      2     ---                      0.0
 Aroclor-1242 3      ---                     0.0      3     ---                      0.0
 Aroclor-1242 4      ---                     0.0      4     ---                      0.0
             Col1Ave: <3 Quant Peaks                   Col2Ave: <3 Quant Peaks

 Aroclor-1248 1      ---                     0.0      1     ---                      0.0
 Aroclor-1248 2      ---                     0.0      2     ---                      0.0
 Aroclor-1248 3      ---                     0.0      3     ---                      0.0
 Aroclor-1248 4      ---                     0.0      4     ---                      0.0
             Col1Ave: <3 Quant Peaks                   Col2Ave: <3 Quant Peaks

 Aroclor-1254 1      ---                     0.0      1     ---                      0.0
 Aroclor-1254 2      ---                     0.0      2     ---                      0.0
 Aroclor-1254 3      ---                     0.0      3     ---                      0.0
 Aroclor-1254 4      ---                     0.0      4     ---                      0.0
 Aroclor-1254 5      ---                     0.0      5     ---                      0.0
             Col1Ave: <3 Quant Peaks                   Col2Ave: <3 Quant Peaks

 Aroclor-1260 1      ---                     0.0      1     ---                      0.0
 Aroclor-1260 2      ---                     0.0      2     ---                      0.0
 Aroclor-1260 3      ---                     0.0      3     ---                      0.0
 Aroclor-1260 4      ---                     0.0      4     ---                      0.0
 Aroclor-1260 5      ---                     0.0      NS    ---                     ----
             Col1Ave: <3 Quant Peaks                   Col2Ave: <3 Quant Peaks

 Aroclor-1262 1      ---                     0.0      1     ---                      0.0
 Aroclor-1262 2      ---                     0.0      2     ---                      0.0
 Aroclor-1262 3      ---                     0.0      3     ---                      0.0
 Aroclor-1262 4      ---                     0.0      4     ---                      0.0
             Col1Ave: <3 Quant Peaks                   Col2Ave: <3 Quant Peaks

 Aroclor-1268 1      ---                     0.0      1     ---                      0.0
 Aroclor-1268 2      ---                     0.0      2     ---                      0.0
 Aroclor-1268 3      ---                     0.0      3     ---                      0.0
 Aroclor-1268 4      ---                     0.0      4     ---                      0.0
             Col1Ave: <3 Quant Peaks                   Col2Ave: <3 Quant Peaks




 Total PCB Area Col1 (5.933 - 13.804) =     144268     Col1 Total PCB = 0.0 ppm*
```

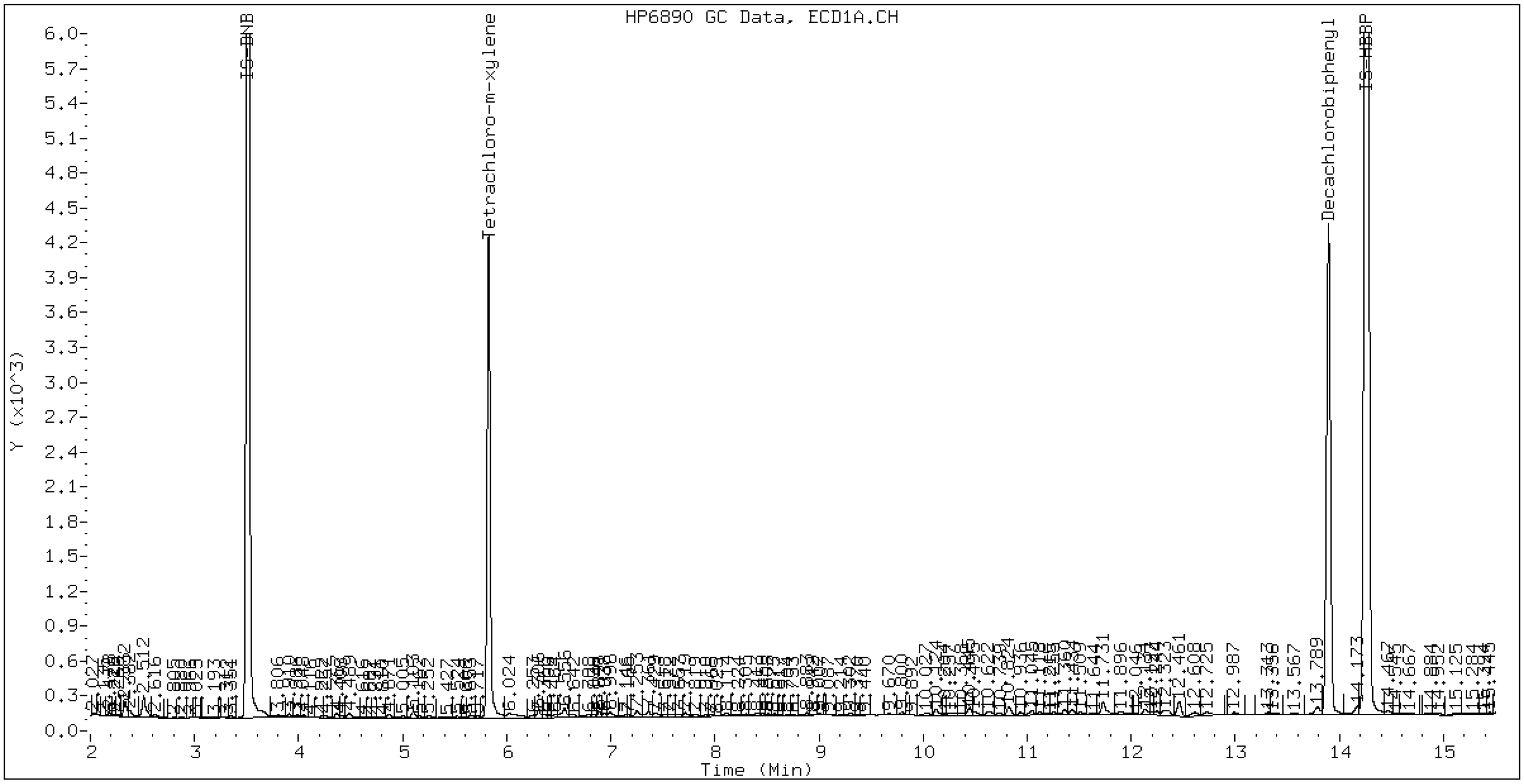
```
Total PCB Area Col2 (5.809 - 14.028) =      81041     Col2 Total PCB = 0.0 ppm*

  *  Quantitated against AR1660 0.25ppm in Ical

                                    PCB-Form 10 Mod.
```

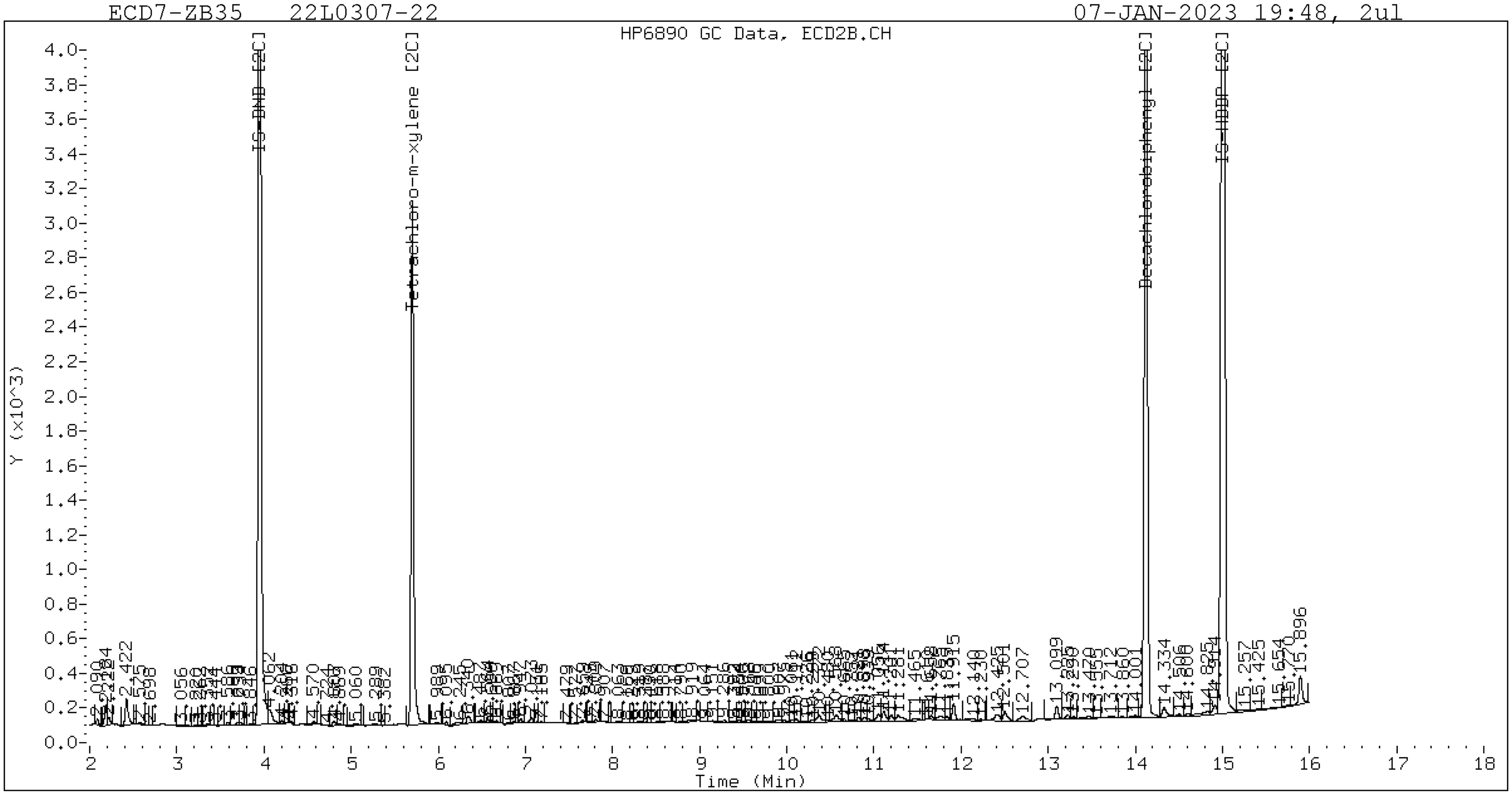
PCB Dual Column Chromatograms

ECD7-ZB5 22L0307-22 07-JAN-2023 19:48, 2ul



ZB-5 Manual Integration: NO

ECD7-ZB35 22L0307-22 07-JAN-2023 19:48, 2ul



ZB-35 Manual Integration: NO

LDW22-SC750C

Dual Column

ORGANIC ANALYSIS DATA SHEET
EPA 8082A

Laboratory:	Analytical Resources, LLC			SDG:	22L0307
Client:	Anchor QEA, LLC				
Project:	AOC4 UR Phase 3				
Matrix:	Solid	Laboratory ID:	22L0307-23 B	File ID:	01072331ECD7.D
Sampled:	12/12/22 09:26	Prepared:	12/28/22 14:11	Analyzed:	01/07/23 20:09
% Solids:	65.71	Preparation:	EPA 3546 (Microwave)	Initial/Final:	19.04 g Wet / 2.5 mL
Batch:	BKL0582	Sequence:	SLA0099	Calibration:	FL00010
Instrument:	ECD7	Column 1:	ZB5	Column 2:	ZB35

CAS NO.	COMPOUND	Col #	DILUTION	CONC. (ug/kg dry)	MDL	MRL	Q
12674-11-2	Aroclor 1016	1	1	4.0	1.6	4.0	U
11104-28-2	Aroclor 1221	1	1	4.0	1.6	4.0	U
11141-16-5	Aroclor 1232	1	1	4.0	1.6	4.0	U
53469-21-9	Aroclor 1242	1	1	4.0	1.6	4.0	U
12672-29-6	Aroclor 1248	1	1	4.0	1.6	4.0	U
11097-69-1	Aroclor 1254	1	1	4.0	1.6	4.0	U
11096-82-5	Aroclor 1260	1	1	4.0	0.6	4.0	U

SURROGATES	Col #	ADDED (ug/kg dry)	CONC (ug/kg dry)	% REC	QC LIMITS	Q
Decachlorobiphenyl	*1*	*7.9928*	*7.68*	*96.1*	*40 - 126*	
Tetrachlorometaxylene	*1*	*7.9928*	*5.56*	*69.6*	*44 - 120*	

```
                              Analytical Resources Inc.
                         Dual Column 608/8082 PCB Quantitation Report

 Data file 1: /230107.b/01072331ECD7.D                   ARI ID: 22L0307-23
 Data file 2: /230107.b/230107.b/01072331ECD7.D          Client ID:
 Method: \\target\share\chem4\ecd7.i\230107.b\PCB.m      Injection Date: 07-JAN-2023 20:09
 Compound Sublist: PCB.sub                               Report Date: 01/11/2023 15:12
 Instrument, Inj. Vol.: ecd7.i, 2ul                      Matrix: NONE
 Quant Method: Internal Std                              Dilution Factor:  1.0



                                     SURROGATES

        ZB5 Col          |        ZB35 Col         |   ZB5    ZB35
   RT    Shift Response | RT    Shift  Response  |  on col  on col    RPD   Compound/Flag
 ========================================================================================

  5.827 -0.006   176630 | 5.704  -0.005   129293|   27.8    31.3     11.8    Tetrachloro-m-xylene
 13.896 -0.008   224376 |14.123  -0.005   214784|   38.5    34.1     12.1    Decachlorobiphenyl


*  Indicates RPD > 40%



                                INTERNAL STANDARD SUMMARY

                                            Column 1
                                     Standard    Sample
                   Standard Cpnd       Area*       Area      %D
               --------------------------------------------------
                 Bromo-Nitrobenzene    447645      447732    0.0
                 Hexabromobiphenyl     798898      636545  -20.3

                                            Column 2
                                     Standard    Sample
                   Standard Cpnd       Area*       Area      %D
               --------------------------------------------------
                 Bromo-Nitrobenzene    249094     301112    20.9
                 Hexabromobiphenyl     362541     444261    22.5


                * Standard Areas taken from Initial Cal Level 3
                  Initial Calibration Date: 03-DEC-2022
               <- Indicates standard response outside Limits (-50 to +100%)
```

```
                              ZB5 Col                                ZB35 Col
 Aroclor   Peak#    RT    Shift    Area    Amount    Peak#   RT     Shift    Area   Amount
 ==========================================================================================
 Aroclor-1016 1      ---                     0.0      1     ---                      0.0
 Aroclor-1016 2      ---                     0.0      2     ---                      0.0
 Aroclor-1016 3      ---                     0.0      3     ---                      0.0
 Aroclor-1016 4      ---                     0.0      4     ---                      0.0
             Col1Ave: <3 Quant Peaks                    Col2Ave: <3 Quant Peaks

 Aroclor-1221 1      ---                     0.0      1     ---                      0.0
 Aroclor-1221 2      ---                     0.0      2     ---                      0.0
 Aroclor-1221 3      ---                     0.0      3     ---                      0.0
             Col1Ave: <3 Quant Peaks                    Col2Ave: <3 Quant Peaks

 Aroclor-1232 1      ---                     0.0      1     ---                      0.0
 Aroclor-1232 2      ---                     0.0      2     ---                      0.0
 Aroclor-1232 3      ---                     0.0      3     ---                      0.0
 Aroclor-1232 4      ---                     0.0      4     ---                      0.0
             Col1Ave: <3 Quant Peaks                    Col2Ave: <3 Quant Peaks

 Aroclor-1242 1      ---                     0.0      1     ---                      0.0
 Aroclor-1242 2      ---                     0.0      2     ---                      0.0
 Aroclor-1242 3      ---                     0.0      3     ---                      0.0
 Aroclor-1242 4      ---                     0.0      4     ---                      0.0
             Col1Ave: <3 Quant Peaks                    Col2Ave: <3 Quant Peaks

 Aroclor-1248 1      ---                     0.0      1     ---                      0.0
 Aroclor-1248 2      ---                     0.0      2     ---                      0.0
 Aroclor-1248 3      ---                     0.0      3     ---                      0.0
 Aroclor-1248 4      ---                     0.0      4     ---                      0.0
             Col1Ave: <3 Quant Peaks                    Col2Ave: <3 Quant Peaks

 Aroclor-1254 1      ---                     0.0      1     ---                      0.0
 Aroclor-1254 2      ---                     0.0      2     ---                      0.0
 Aroclor-1254 3      ---                     0.0      3     ---                      0.0
 Aroclor-1254 4      ---                     0.0      4     ---                      0.0
 Aroclor-1254 5      ---                     0.0      5     ---                      0.0
             Col1Ave: <3 Quant Peaks                    Col2Ave: <3 Quant Peaks

 Aroclor-1260 1      ---                     0.0      1     ---                      0.0
 Aroclor-1260 2      ---                     0.0      2     ---                      0.0
 Aroclor-1260 3      ---                     0.0      3     ---                      0.0
 Aroclor-1260 4      ---                     0.0      4     ---                      0.0
 Aroclor-1260 5      ---                     0.0      NS    ---                     ----
             Col1Ave: <3 Quant Peaks                    Col2Ave: <3 Quant Peaks

 Aroclor-1262 1      ---                     0.0      1     ---                      0.0
 Aroclor-1262 2      ---                     0.0      2     ---                      0.0
 Aroclor-1262 3      ---                     0.0      3     ---                      0.0
 Aroclor-1262 4      ---                     0.0      4     ---                      0.0
             Col1Ave: <3 Quant Peaks                    Col2Ave: <3 Quant Peaks

 Aroclor-1268 1      ---                     0.0      1     ---                      0.0
 Aroclor-1268 2      ---                     0.0      2     ---                      0.0
 Aroclor-1268 3      ---                     0.0      3     ---                      0.0
 Aroclor-1268 4      ---                     0.0      4     ---                      0.0
             Col1Ave: <3 Quant Peaks                    Col2Ave: <3 Quant Peaks




 Total PCB Area Col1 (5.933 - 13.804) =     171640     Col1 Total PCB = 0.0 ppm*
```

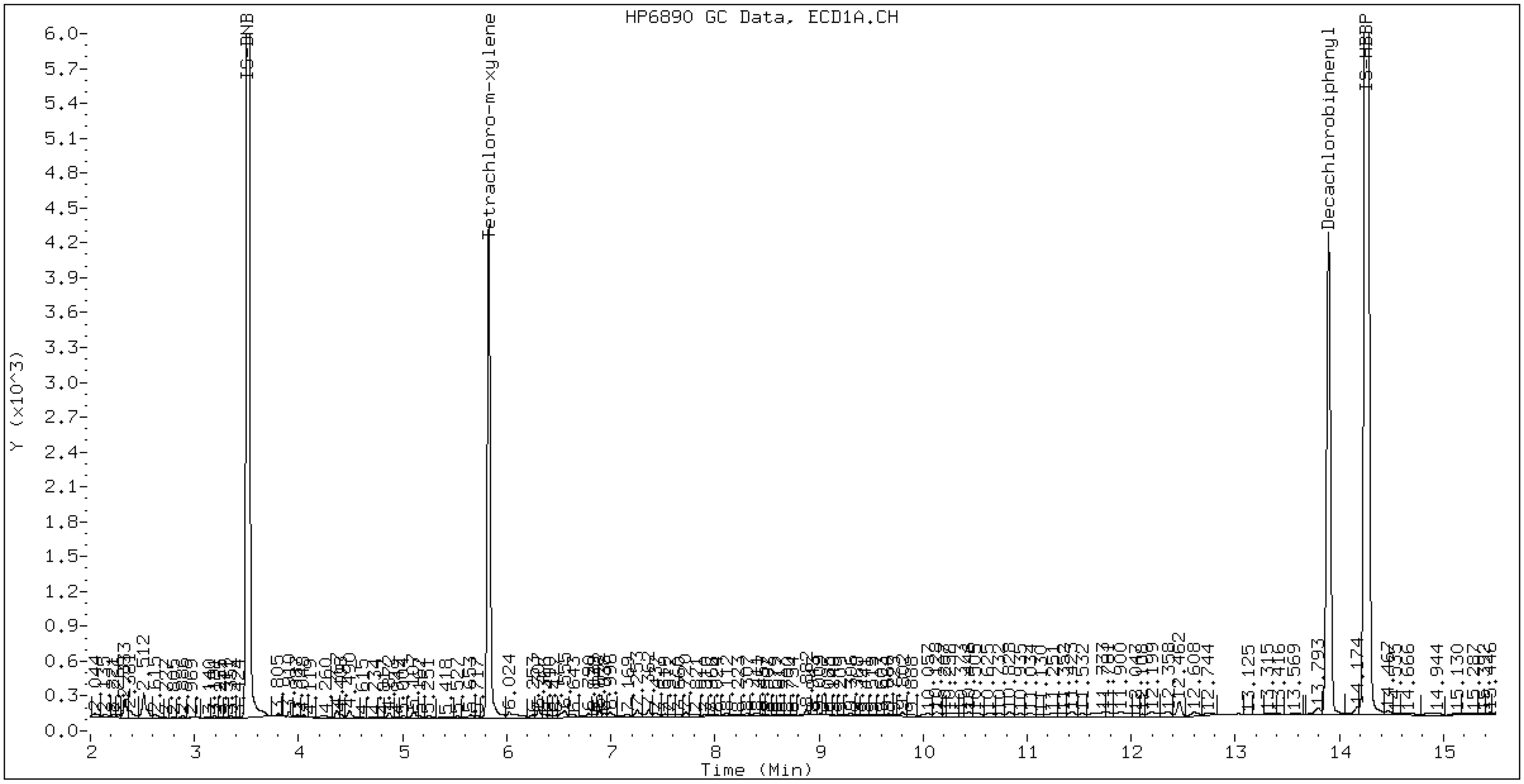
```
Total PCB Area Col2 (5.809 - 14.028) =      84140     Col2 Total PCB = 0.0 ppm*

  *  Quantitated against AR1660 0.25ppm in Ical
```

PCB-Form 10 Mod.

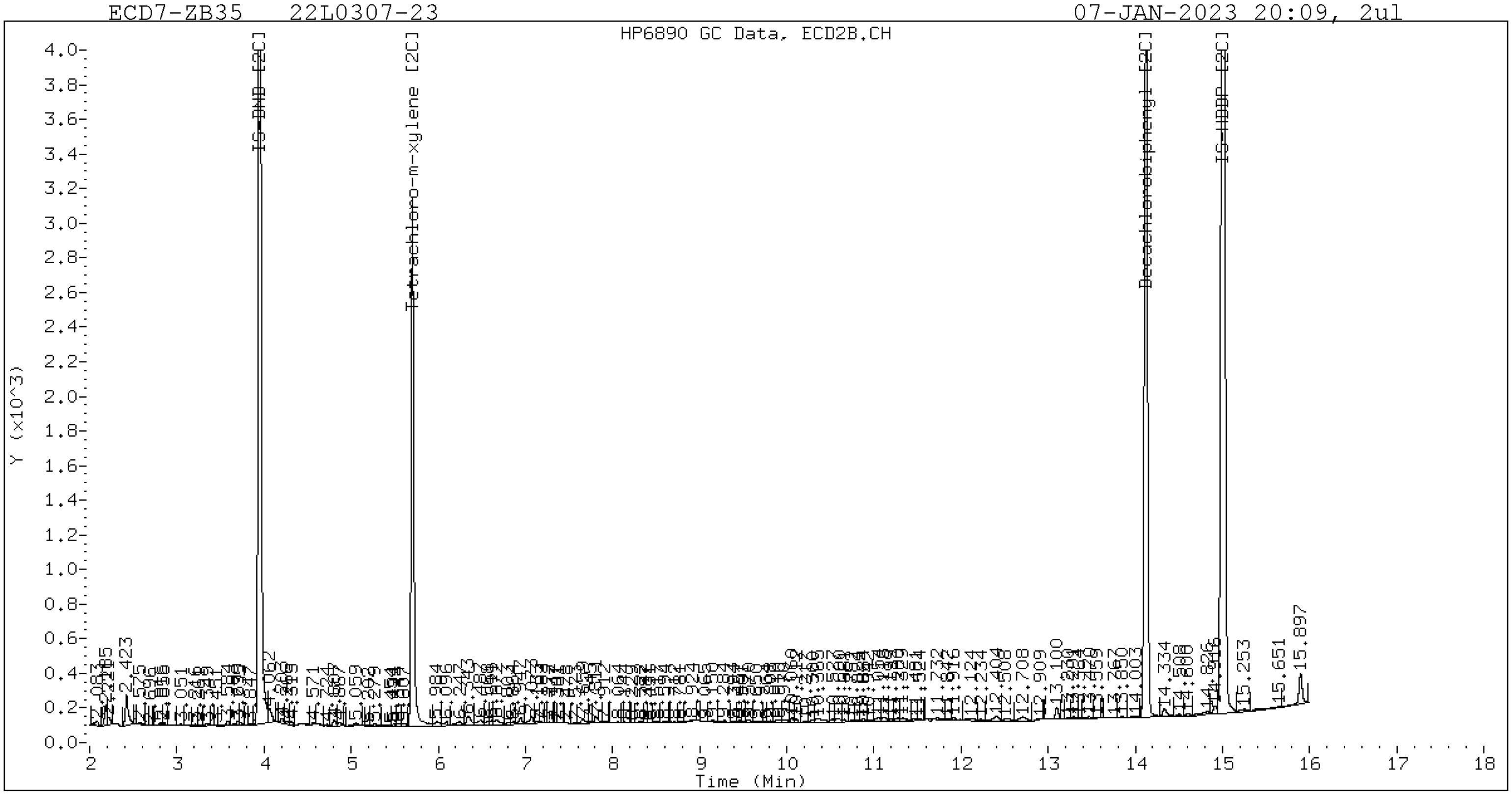
PCB Dual Column Chromatograms

ECD7-ZB5 22L0307-23 07-JAN-2023 20:09, 2ul



ZB-5 Manual Integration: NO

ECD7-ZB35 22L0307-23 07-JAN-2023 20:09, 2ul



ZB-35 Manual Integration: NO

Analytical Resources, LLC
Analytical Chemists and Consultants

LDW22-SC750D

Dual Column

ORGANIC ANALYSIS DATA SHEET
EPA 8082A

Laboratory:	Analytical Resources, LLC			SDG:	22L0307
Client:	Anchor QEA, LLC				
Project:	AOC4 UR Phase 3				
Matrix:	Solid	Laboratory ID:	22L0307-24 B	File ID:	01072332ECD7.D
Sampled:	12/12/22 09:26	Prepared:	12/28/22 14:11	Analyzed:	01/07/23 20:30
% Solids:	66.96	Preparation:	EPA 3546 (Microwave)	Initial/Final:	18.72 g Wet / 2.5 mL
Batch:	BKL0582	Sequence:	SLA0099	Calibration:	FL00010
Instrument:	ECD7	Column 1:	ZB5	Column 2:	ZB35

CAS NO.	COMPOUND	Col #	DILUTION	CONC. (ug/kg dry)	MDL	MRL	Q
12674-11-2	Aroclor 1016	1	1	4.0	1.6	4.0	U
11104-28-2	Aroclor 1221	1	1	4.0	1.6	4.0	U
11141-16-5	Aroclor 1232	1	1	4.0	1.6	4.0	U
53469-21-9	Aroclor 1242	1	1	4.0	1.6	4.0	U
12672-29-6	Aroclor 1248	1	1	4.0	1.6	4.0	U
11097-69-1	Aroclor 1254	1	1	4.0	1.6	4.0	U
11096-82-5	Aroclor 1260	1	1	4.0	0.6	4.0	U

SURROGATES	Col #	ADDED (ug/kg dry)	CONC (ug/kg dry)	% REC	QC LIMITS	Q
Decachlorobiphenyl	*1*	*7.9777*	*8.01*	*100*	*40 - 126*	
Tetrachlorometaxylene	*1*	*7.9777*	*5.57*	*69.8*	*44 - 120*	

```
                              Analytical Resources Inc.
                         Dual Column 608/8082 PCB Quantitation Report

 Data file 1: /230107.b/01072332ECD7.D                   ARI ID: 22L0307-24
 Data file 2: /230107.b/230107.b/01072332ECD7.D          Client ID:
 Method: \\target\share\chem4\ecd7.i\230107.b\PCB.m      Injection Date: 07-JAN-2023 20:30
 Compound Sublist: PCB.sub                               Report Date: 01/11/2023 15:12
 Instrument, Inj. Vol.: ecd7.i, 2ul                      Matrix: NONE
 Quant Method: Internal Std                              Dilution Factor:  1.0



                                 SURROGATES

        ZB5 Col         |       ZB35 Col         |   ZB5    ZB35
   RT    Shift Response | RT    Shift  Response  |  on col  on col    RPD   Compound/Flag
 ==========================================================================================

  5.828 -0.006   179115 | 5.705  -0.005   126307|   27.9    30.3      8.2    Tetrachloro-m-xylene
 13.896 -0.008   239613 |14.123  -0.005   222969|   40.1    34.8     14.1    Decachlorobiphenyl


*  Indicates RPD > 40%




                            INTERNAL STANDARD SUMMARY

                                        Column 1
                                 Standard    Sample
                   Standard Cpnd       Area*       Area      %D
               --------------------------------------------------
                 Bromo-Nitrobenzene    447645      452699    1.1
                 Hexabromobiphenyl     798898      651212  -18.5

                                        Column 2
                                 Standard    Sample
                   Standard Cpnd       Area*       Area      %D
               --------------------------------------------------
                 Bromo-Nitrobenzene    249094     304164    22.1
                 Hexabromobiphenyl     362541     450727    24.3


                * Standard Areas taken from Initial Cal Level 3
                  Initial Calibration Date: 03-DEC-2022
               <- Indicates standard response outside Limits (-50 to +100%)
```

```
//target/share/chem4/ecd7.i/230107.b/01072332ECD7.D      22L0307-24                          page 2
                             ZB5 Col                          ZB35 Col
 Aroclor   Peak#    RT    Shift    Area    Amount    Peak#   RT     Shift    Area   Amount
 ========================================================================================
 Aroclor-1016 1      ---                     0.0      1     ---                      0.0
 Aroclor-1016 2      ---                     0.0      2     ---                      0.0
 Aroclor-1016 3      ---                     0.0      3     ---                      0.0
 Aroclor-1016 4      ---                     0.0      4     ---                      0.0
             Col1Ave: <3 Quant Peaks                   Col2Ave: <3 Quant Peaks

 Aroclor-1221 1      ---                     0.0      1     ---                      0.0
 Aroclor-1221 2      ---                     0.0      2     ---                      0.0
 Aroclor-1221 3      ---                     0.0      3     ---                      0.0
             Col1Ave: <3 Quant Peaks                   Col2Ave: <3 Quant Peaks

 Aroclor-1232 1      ---                     0.0      1     ---                      0.0
 Aroclor-1232 2      ---                     0.0      2     ---                      0.0
 Aroclor-1232 3      ---                     0.0      3     ---                      0.0
 Aroclor-1232 4      ---                     0.0      4     ---                      0.0
             Col1Ave: <3 Quant Peaks                   Col2Ave: <3 Quant Peaks

 Aroclor-1242 1      ---                     0.0      1     ---                      0.0
 Aroclor-1242 2      ---                     0.0      2     ---                      0.0
 Aroclor-1242 3      ---                     0.0      3     ---                      0.0
 Aroclor-1242 4      ---                     0.0      4     ---                      0.0
             Col1Ave: <3 Quant Peaks                   Col2Ave: <3 Quant Peaks

 Aroclor-1248 1      ---                     0.0      1     ---                      0.0
 Aroclor-1248 2      ---                     0.0      2     ---                      0.0
 Aroclor-1248 3      ---                     0.0      3     ---                      0.0
 Aroclor-1248 4      ---                     0.0      4     ---                      0.0
             Col1Ave: <3 Quant Peaks                   Col2Ave: <3 Quant Peaks

 Aroclor-1254 1      ---                     0.0      1     ---                      0.0
 Aroclor-1254 2      ---                     0.0      2     ---                      0.0
 Aroclor-1254 3      ---                     0.0      3     ---                      0.0
 Aroclor-1254 4      ---                     0.0      4     ---                      0.0
 Aroclor-1254 5      ---                     0.0      5     ---                      0.0
             Col1Ave: <3 Quant Peaks                   Col2Ave: <3 Quant Peaks

 Aroclor-1260 1      ---                     0.0      1     ---                      0.0
 Aroclor-1260 2      ---                     0.0      2     ---                      0.0
 Aroclor-1260 3      ---                     0.0      3     ---                      0.0
 Aroclor-1260 4      ---                     0.0      4     ---                      0.0
 Aroclor-1260 5      ---                     0.0      NS    ---                     ----
             Col1Ave: <3 Quant Peaks                   Col2Ave: <3 Quant Peaks

 Aroclor-1262 1      ---                     0.0      1     ---                      0.0
 Aroclor-1262 2      ---                     0.0      2     ---                      0.0
 Aroclor-1262 3      ---                     0.0      3     ---                      0.0
 Aroclor-1262 4      ---                     0.0      4     ---                      0.0
             Col1Ave: <3 Quant Peaks                   Col2Ave: <3 Quant Peaks

 Aroclor-1268 1      ---                     0.0      1     ---                      0.0
 Aroclor-1268 2      ---                     0.0      2     ---                      0.0
 Aroclor-1268 3      ---                     0.0      3     ---                      0.0
 Aroclor-1268 4      ---                     0.0      4     ---                      0.0
             Col1Ave: <3 Quant Peaks                   Col2Ave: <3 Quant Peaks




 Total PCB Area Col1 (5.933 - 13.804) =     341286     Col1 Total PCB = 0.1 ppm*
```

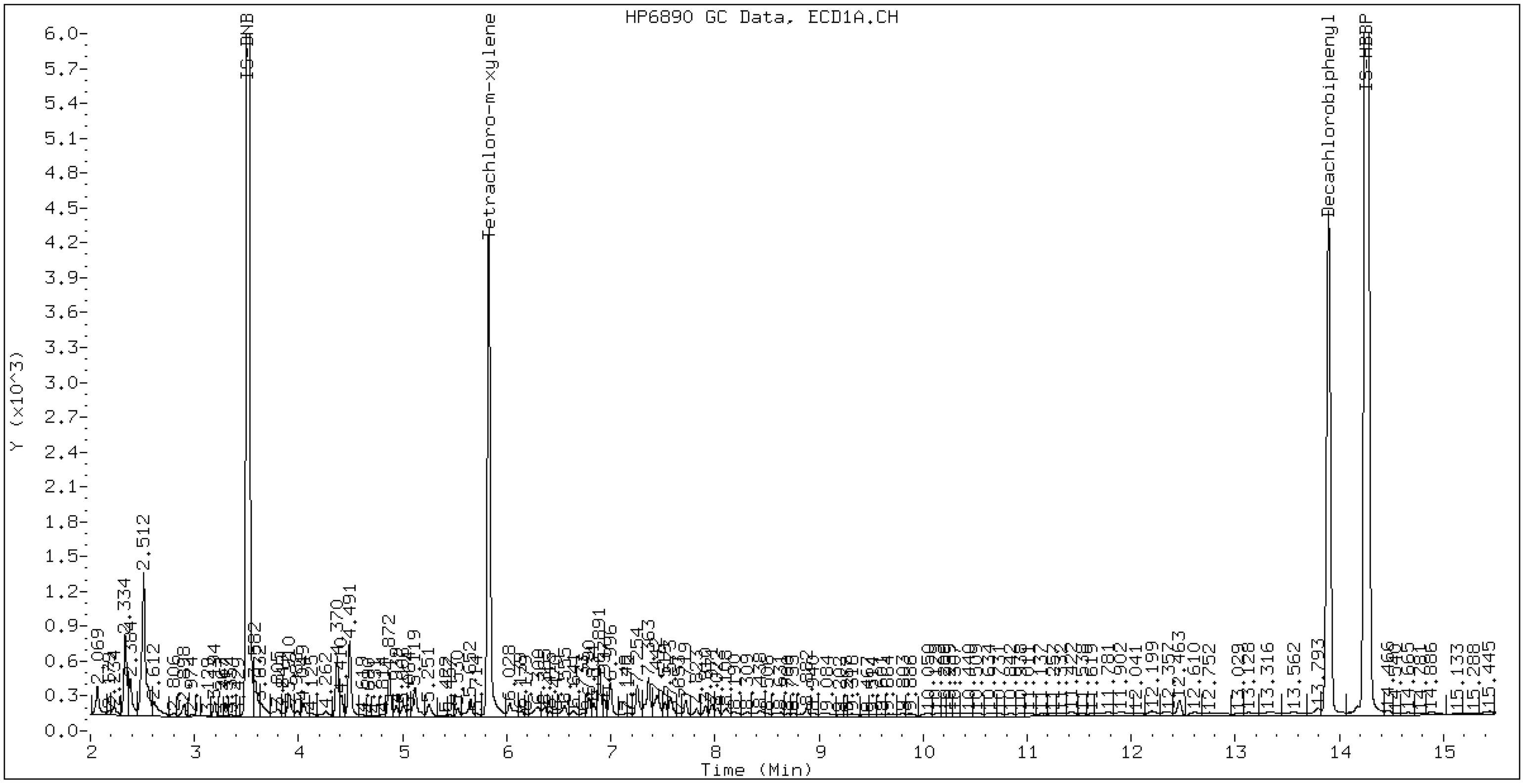
```
Total PCB Area Col2 (5.809 - 14.028) =     185686     Col2 Total PCB = 0.1 ppm*

  *  Quantitated against AR1660 0.25ppm in Ical

                                    PCB-Form 10 Mod.
```

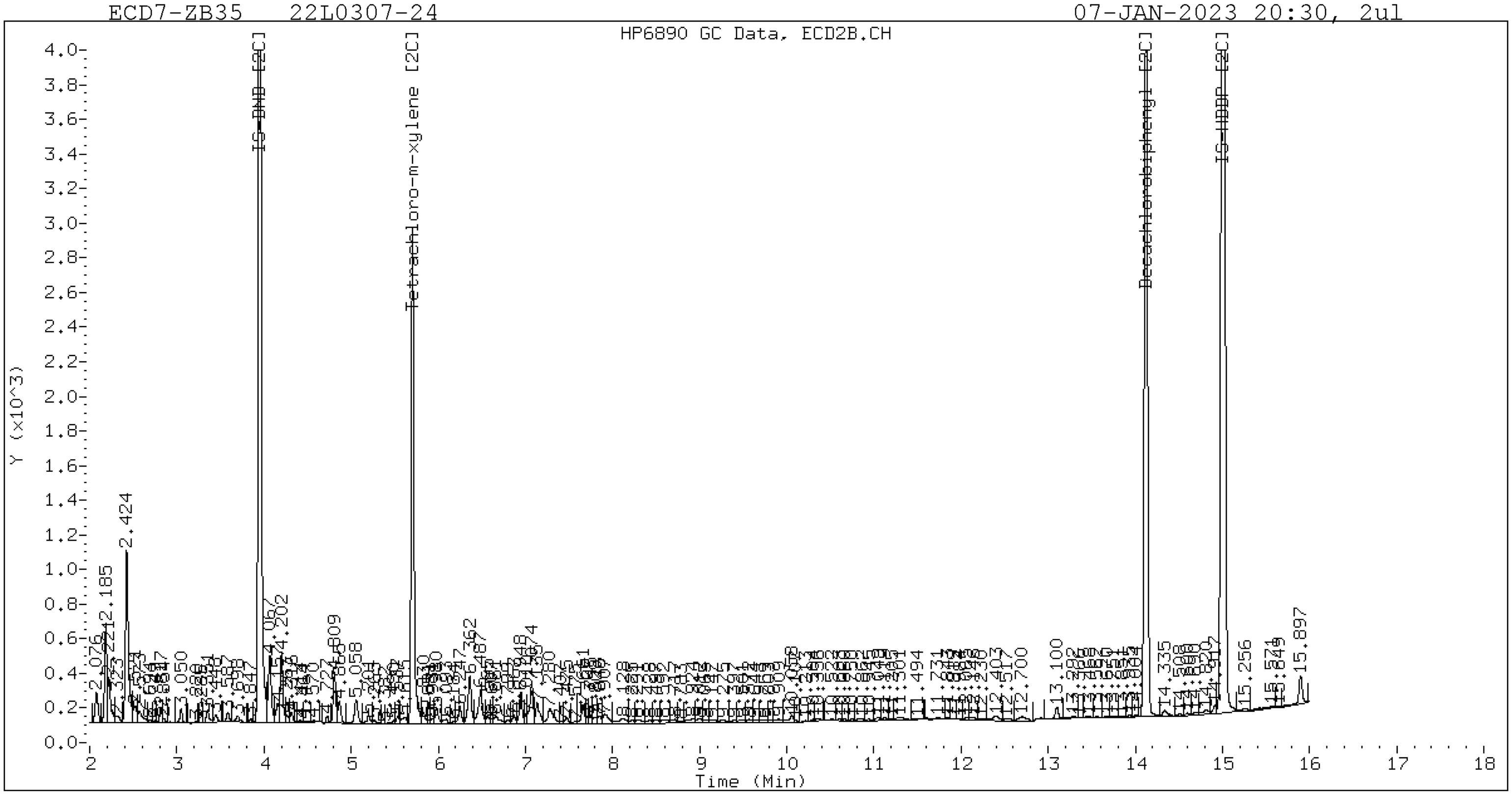
PCB Dual Column Chromatograms

ECD7-ZB5 22L0307-24 07-JAN-2023 20:30, 2ul



ZB-5 Manual Integration: NO

ECD7-ZB35 22L0307-24 07-JAN-2023 20:30, 2ul



ZB-35 Manual Integration: NO

LDW22-SC750E

Dual Column

ORGANIC ANALYSIS DATA SHEET
EPA 8082A

Laboratory: Analytical Resources, LLC
SDG: 22L0307
Client: Anchor QEA, LLC
Project: AOC4 UR Phase 3
Matrix: Solid
Laboratory ID: 22L0307-25 B
File ID: 01072333ECD7.D
Sampled: 12/12/22 09:26
Prepared: 12/28/22 14:11
Analyzed: 01/07/23 20:51
% Solids: 67.42
Preparation: EPA 3546 (Microwave)
Initial/Final: 18.58 g Wet / 2.5 mL
Batch: BKL0582
Sequence: SLA0099
Calibration: FL00010
Instrument: ECD7
Column 1: ZB5
Column 2: ZB35

CAS NO.	COMPOUND	Col #	DILUTION	CONC. (ug/kg dry)	MDL	MRL	Q
12674-11-2	Aroclor 1016	1	1	4.0	1.6	4.0	U
11104-28-2	Aroclor 1221	1	1	4.0	1.6	4.0	U
11141-16-5	Aroclor 1232	1	1	4.0	1.6	4.0	U
53469-21-9	Aroclor 1242	1	1	4.0	1.6	4.0	U
12672-29-6	Aroclor 1248	1	1	4.0	1.6	4.0	U
11097-69-1	Aroclor 1254	1	1	4.0	1.6	4.0	U
11096-82-5	Aroclor 1260	1	1	4.0	0.6	4.0	U

SURROGATES	Col #	ADDED (ug/kg dry)	CONC (ug/kg dry)	% REC	QC LIMITS	Q
Decachlorobiphenyl	*1*	*7.9830*	*7.00*	*87.7*	*40 - 126*	
Tetrachlorometaxylene	*1*	*7.9830*	*5.07*	*63.5*	*44 - 120*	

```
                               Analytical Resources Inc.
                          Dual Column 608/8082 PCB Quantitation Report

 Data file 1: /230107.b/01072333ECD7.D                   ARI ID: 22L0307-25
 Data file 2: /230107.b/230107.b/01072333ECD7.D          Client ID:
 Method: \\target\share\chem4\ecd7.i\230107.b\PCB.m      Injection Date: 07-JAN-2023 20:51
 Compound Sublist: PCB.sub                               Report Date: 01/11/2023 15:12
 Instrument, Inj. Vol.: ecd7.i, 2ul                      Matrix: NONE
 Quant Method: Internal Std                              Dilution Factor:  1.0



                                  SURROGATES

        ZB5 Col         |       ZB35 Col         |   ZB5    ZB35
   RT    Shift Response | RT    Shift  Response  |  on col  on col    RPD   Compound/Flag
 ========================================================================================

  5.827 -0.006   165260 | 5.703  -0.006   114379|   25.4    27.8     9.1    Tetrachloro-m-xylene
 13.894 -0.010   179566 |14.122  -0.006   180437|   35.1    30.6    13.6    Decachlorobiphenyl


*  Indicates RPD > 40%



                             INTERNAL STANDARD SUMMARY

                                         Column 1
                                  Standard    Sample
                Standard Cpnd       Area*       Area      %D
            --------------------------------------------------
              Bromo-Nitrobenzene    447645      459463    2.6
              Hexabromobiphenyl     798898      558709  -30.1

                                         Column 2
                                  Standard    Sample
                Standard Cpnd       Area*       Area      %D
            --------------------------------------------------
              Bromo-Nitrobenzene    249094     300267    20.5
              Hexabromobiphenyl     362541     415190    14.5


             * Standard Areas taken from Initial Cal Level 3
               Initial Calibration Date: 03-DEC-2022
            <- Indicates standard response outside Limits (-50 to +100%)
```

```
//target/share/chem4/ecd7.i/230107.b/01072333ECD7.D      22L0307-25                        page 2
                             ZB5 Col                          ZB35 Col
 Aroclor   Peak#    RT    Shift    Area    Amount    Peak#   RT     Shift    Area   Amount
 ========================================================================================
 Aroclor-1016 1      ---                     0.0      1     ---                      0.0
 Aroclor-1016 2      ---                     0.0      2     ---                      0.0
 Aroclor-1016 3      ---                     0.0      3     ---                      0.0
 Aroclor-1016 4      ---                     0.0      4     ---                      0.0
             Col1Ave: <3 Quant Peaks                   Col2Ave: <3 Quant Peaks

 Aroclor-1221 1      ---                     0.0      1     ---                      0.0
 Aroclor-1221 2      ---                     0.0      2     ---                      0.0
 Aroclor-1221 3      ---                     0.0      3     ---                      0.0
             Col1Ave: <3 Quant Peaks                   Col2Ave: <3 Quant Peaks

 Aroclor-1232 1      ---                     0.0      1     ---                      0.0
 Aroclor-1232 2      ---                     0.0      2     ---                      0.0
 Aroclor-1232 3      ---                     0.0      3     ---                      0.0
 Aroclor-1232 4      ---                     0.0      4     ---                      0.0
             Col1Ave: <3 Quant Peaks                   Col2Ave: <3 Quant Peaks

 Aroclor-1242 1      ---                     0.0      1     ---                      0.0
 Aroclor-1242 2      ---                     0.0      2     ---                      0.0
 Aroclor-1242 3      ---                     0.0      3     ---                      0.0
 Aroclor-1242 4      ---                     0.0      4     ---                      0.0
             Col1Ave: <3 Quant Peaks                   Col2Ave: <3 Quant Peaks

 Aroclor-1248 1      ---                     0.0      1     ---                      0.0
 Aroclor-1248 2      ---                     0.0      2     ---                      0.0
 Aroclor-1248 3      ---                     0.0      3     ---                      0.0
 Aroclor-1248 4      ---                     0.0      4     ---                      0.0
             Col1Ave: <3 Quant Peaks                   Col2Ave: <3 Quant Peaks

 Aroclor-1254 1      ---                     0.0      1     ---                      0.0
 Aroclor-1254 2      ---                     0.0      2     ---                      0.0
 Aroclor-1254 3      ---                     0.0      3     ---                      0.0
 Aroclor-1254 4      ---                     0.0      4     ---                      0.0
 Aroclor-1254 5      ---                     0.0      5     ---                      0.0
             Col1Ave: <3 Quant Peaks                   Col2Ave: <3 Quant Peaks

 Aroclor-1260 1      ---                     0.0      1     ---                      0.0
 Aroclor-1260 2      ---                     0.0      2     ---                      0.0
 Aroclor-1260 3      ---                     0.0      3     ---                      0.0
 Aroclor-1260 4      ---                     0.0      4     ---                      0.0
 Aroclor-1260 5      ---                     0.0      NS    ---                     ----
             Col1Ave: <3 Quant Peaks                   Col2Ave: <3 Quant Peaks

 Aroclor-1262 1      ---                     0.0      1     ---                      0.0
 Aroclor-1262 2      ---                     0.0      2     ---                      0.0
 Aroclor-1262 3      ---                     0.0      3     ---                      0.0
 Aroclor-1262 4      ---                     0.0      4     ---                      0.0
             Col1Ave: <3 Quant Peaks                   Col2Ave: <3 Quant Peaks

 Aroclor-1268 1      ---                     0.0      1     ---                      0.0
 Aroclor-1268 2      ---                     0.0      2     ---                      0.0
 Aroclor-1268 3      ---                     0.0      3     ---                      0.0
 Aroclor-1268 4      ---                     0.0      4     ---                      0.0
             Col1Ave: <3 Quant Peaks                   Col2Ave: <3 Quant Peaks




 Total PCB Area Col1 (5.933 - 13.804) =     268972     Col1 Total PCB = 0.1 ppm*
```

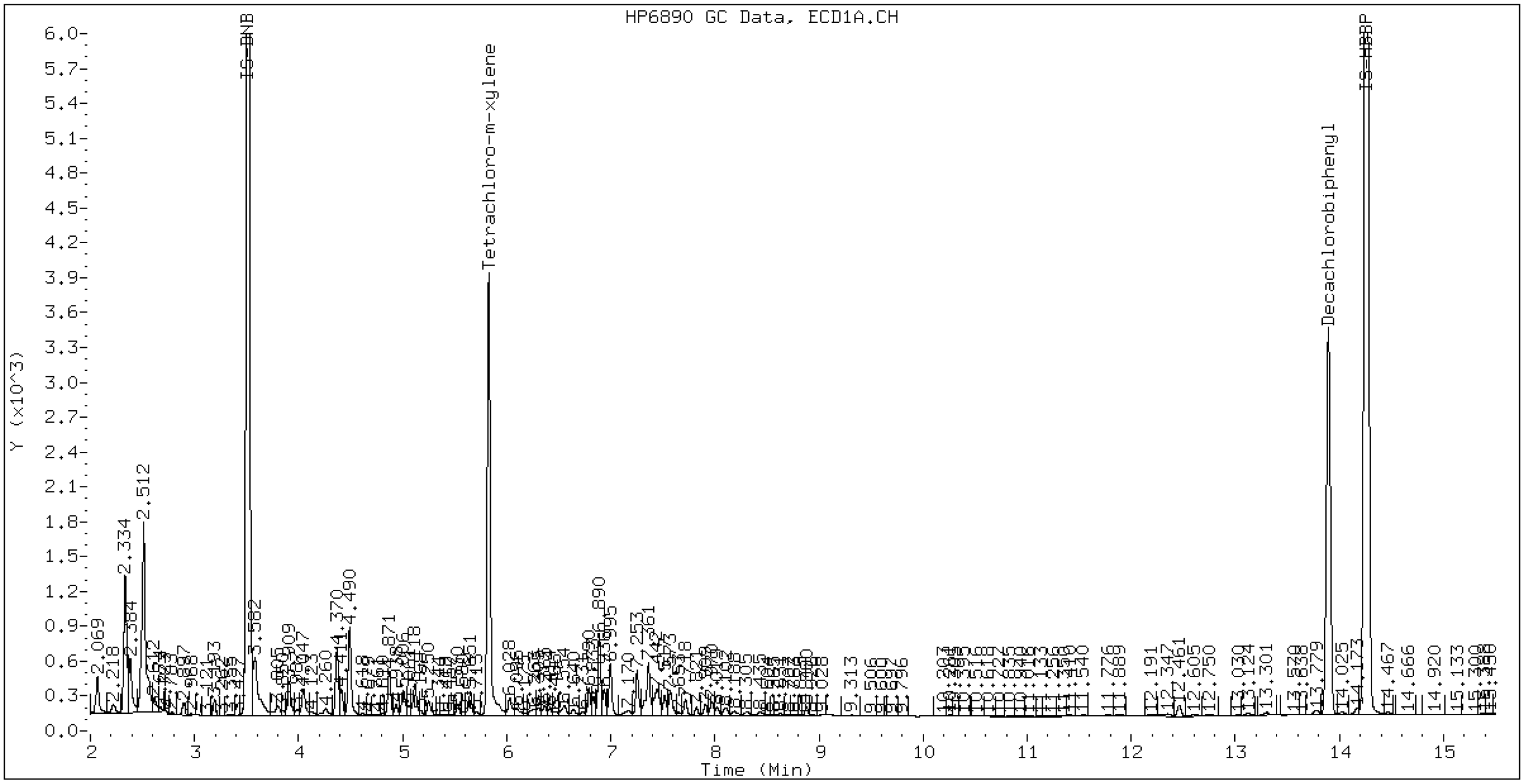
```
Total PCB Area Col2 (5.809 - 14.028) =     170210     Col2 Total PCB = 0.1 ppm*

  *  Quantitated against AR1660 0.25ppm in Ical
```

PCB-Form 10 Mod.

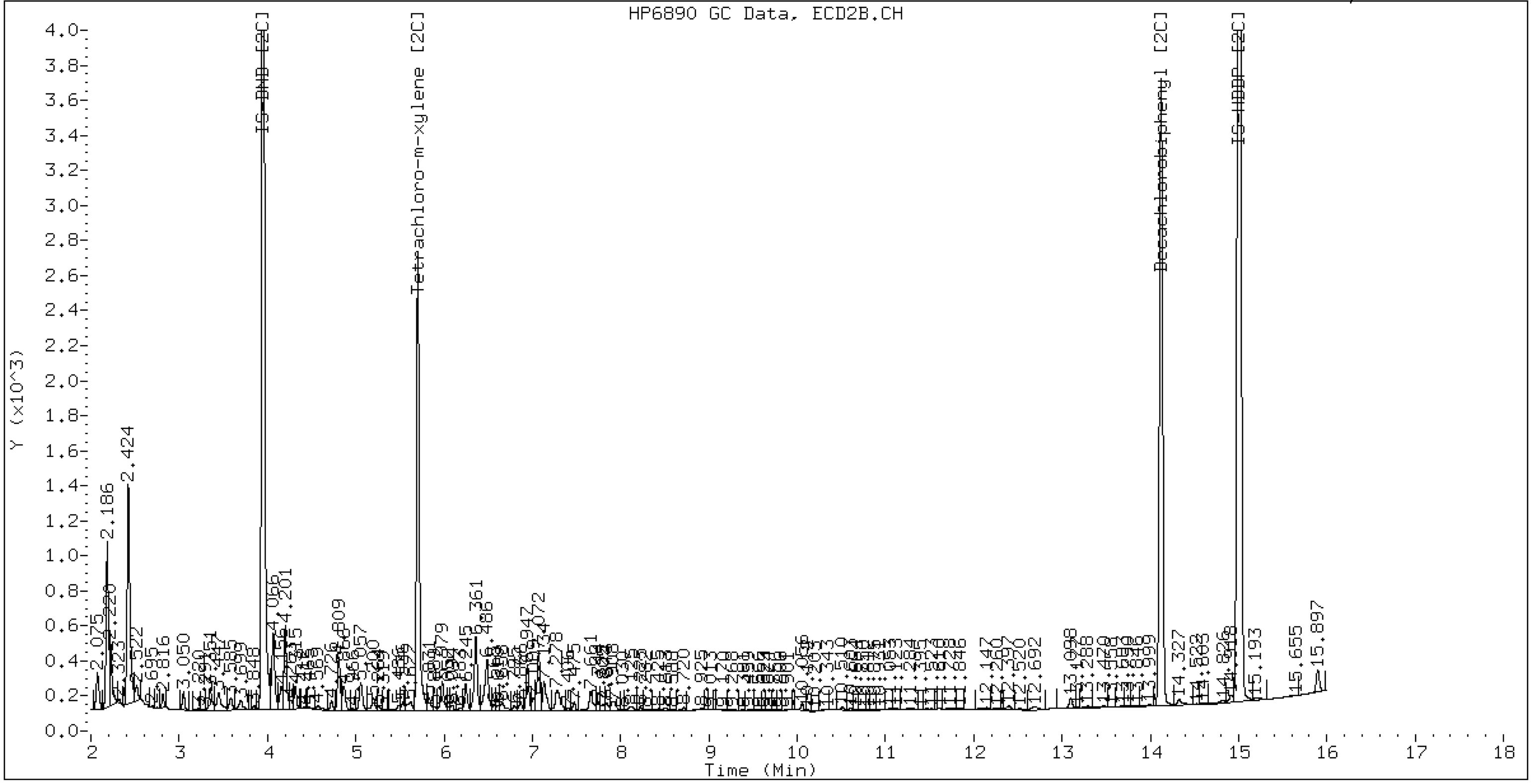
PCB Dual Column Chromatograms

ECD7-ZB5 22L0307-25 07-JAN-2023 20:51, 2ul



ZB-5 Manual Integration: NO

ECD7-ZB35 22L0307-25 07-JAN-2023 20:51, 2ul



ZB-35 Manual Integration: NO

LDW22-SC750F

Dual Column

ORGANIC ANALYSIS DATA SHEET
EPA 8082A

Laboratory:	Analytical Resources, LLC			SDG:	22L0307
Client:	Anchor QEA, LLC				
Project:	AOC4 UR Phase 3				
Matrix:	Solid	Laboratory ID:	22L0307-26 B	File ID:	01072334ECD7.D
Sampled:	12/12/22 09:26	Prepared:	12/28/22 14:11	Analyzed:	01/07/23 21:12
% Solids:	77.05	Preparation:	EPA 3546 (Microwave)	Initial/Final:	16.23 g Wet / 2.5 mL
Batch:	BKL0582	Sequence:	SLA0099	Calibration:	FL00010
Instrument:	ECD7	Column 1:	ZB5	Column 2:	ZB35

CAS NO.	COMPOUND	Col #	DILUTION	CONC. (ug/kg dry)	MDL	MRL	Q
12674-11-2	Aroclor 1016	1	1	4.0	1.6	4.0	U
11104-28-2	Aroclor 1221	1	1	4.0	1.6	4.0	U
11141-16-5	Aroclor 1232	1	1	4.0	1.6	4.0	U
53469-21-9	Aroclor 1242	1	1	4.0	1.6	4.0	U
12672-29-6	Aroclor 1248	1	1	4.0	1.6	4.0	U
11097-69-1	Aroclor 1254	1	1	4.0	1.6	4.0	U
11096-82-5	Aroclor 1260	1	1	4.0	0.6	4.0	U

SURROGATES	Col #	ADDED (ug/kg dry)	CONC (ug/kg dry)	% REC	QC LIMITS	Q
Decachlorobiphenyl	*1*	*7.9967*	*7.94*	*99.3*	*40 - 126*	
Tetrachlorometaxylene	*1*	*7.9967*	*5.86*	*73.3*	*44 - 120*	

```
                              Analytical Resources Inc.
                         Dual Column 608/8082 PCB Quantitation Report

Data file 1: /230107.b/01072334ECD7.D                    ARI ID: 22L0307-26
Data file 2: /230107.b/230107.b/01072334ECD7.D           Client ID:
Method: \\target\share\chem4\ecd7.i\230107.b\PCB.m       Injection Date: 07-JAN-2023 21:12
Compound Sublist: PCB.sub                                Report Date: 01/11/2023 15:12
Instrument, Inj. Vol.: ecd7.i, 2ul                       Matrix: NONE
Quant Method: Internal Std                               Dilution Factor:  1.0



                                 SURROGATES

       ZB5 Col          |       ZB35 Col         |   ZB5    ZB35
  RT    Shift Response | RT    Shift  Response  |  on col  on col    RPD   Compound/Flag
===========================================================================================

  5.829 -0.004   198591 | 5.706  -0.003   133802|   29.3    30.6      4.4    Tetrachloro-m-xylene
 13.897 -0.007   257369 |14.124  -0.004   246218|   39.7    36.5      8.5    Decachlorobiphenyl


*  Indicates RPD > 40%



                            INTERNAL STANDARD SUMMARY

                                        Column 1
                                 Standard    Sample
                  Standard Cpnd       Area*       Area      %D
               --------------------------------------------------
                 Bromo-Nitrobenzene    447645      478237    6.8
                 Hexabromobiphenyl     798898      706617  -11.6

                                        Column 2
                                 Standard    Sample
                  Standard Cpnd       Area*       Area      %D
               --------------------------------------------------
                 Bromo-Nitrobenzene    249094     318821    28.0
                 Hexabromobiphenyl     362541     475366    31.1


                * Standard Areas taken from Initial Cal Level 3
                  Initial Calibration Date: 03-DEC-2022
               <- Indicates standard response outside Limits (-50 to +100%)
```

```
                            ZB5 Col                              ZB35 Col
Aroclor   Peak#    RT    Shift    Area    Amount    Peak#   RT     Shift    Area   Amount
========================================================================================
Aroclor-1016 1      ---                     0.0      1     ---                      0.0
Aroclor-1016 2      ---                     0.0      2     ---                      0.0
Aroclor-1016 3      ---                     0.0      3     ---                      0.0
Aroclor-1016 4      ---                     0.0      4     ---                      0.0
            Col1Ave: <3 Quant Peaks                   Col2Ave: <3 Quant Peaks

Aroclor-1221 1      ---                     0.0      1     ---                      0.0
Aroclor-1221 2      ---                     0.0      2     ---                      0.0
Aroclor-1221 3      ---                     0.0      3     ---                      0.0
            Col1Ave: <3 Quant Peaks                   Col2Ave: <3 Quant Peaks

Aroclor-1232 1      ---                     0.0      1     ---                      0.0
Aroclor-1232 2      ---                     0.0      2     ---                      0.0
Aroclor-1232 3      ---                     0.0      3     ---                      0.0
Aroclor-1232 4      ---                     0.0      4     ---                      0.0
            Col1Ave: <3 Quant Peaks                   Col2Ave: <3 Quant Peaks

Aroclor-1242 1      ---                     0.0      1     ---                      0.0
Aroclor-1242 2      ---                     0.0      2     ---                      0.0
Aroclor-1242 3      ---                     0.0      3     ---                      0.0
Aroclor-1242 4      ---                     0.0      4     ---                      0.0
            Col1Ave: <3 Quant Peaks                   Col2Ave: <3 Quant Peaks

Aroclor-1248 1      ---                     0.0      1     ---                      0.0
Aroclor-1248 2      ---                     0.0      2     ---                      0.0
Aroclor-1248 3      ---                     0.0      3     ---                      0.0
Aroclor-1248 4      ---                     0.0      4     ---                      0.0
            Col1Ave: <3 Quant Peaks                   Col2Ave: <3 Quant Peaks

Aroclor-1254 1      ---                     0.0      1     ---                      0.0
Aroclor-1254 2      ---                     0.0      2     ---                      0.0
Aroclor-1254 3      ---                     0.0      3     ---                      0.0
Aroclor-1254 4      ---                     0.0      4     ---                      0.0
Aroclor-1254 5      ---                     0.0      5     ---                      0.0
            Col1Ave: <3 Quant Peaks                   Col2Ave: <3 Quant Peaks

Aroclor-1260 1      ---                     0.0      1     ---                      0.0
Aroclor-1260 2      ---                     0.0      2     ---                      0.0
Aroclor-1260 3      ---                     0.0      3     ---                      0.0
Aroclor-1260 4      ---                     0.0      4     ---                      0.0
Aroclor-1260 5      ---                     0.0      NS    ---                     ----
            Col1Ave: <3 Quant Peaks                   Col2Ave: <3 Quant Peaks

Aroclor-1262 1      ---                     0.0      1     ---                      0.0
Aroclor-1262 2      ---                     0.0      2     ---                      0.0
Aroclor-1262 3      ---                     0.0      3     ---                      0.0
Aroclor-1262 4      ---                     0.0      4     ---                      0.0
            Col1Ave: <3 Quant Peaks                   Col2Ave: <3 Quant Peaks

Aroclor-1268 1      ---                     0.0      1     ---                      0.0
Aroclor-1268 2      ---                     0.0      2     ---                      0.0
Aroclor-1268 3      ---                     0.0      3     ---                      0.0
Aroclor-1268 4      ---                     0.0      4     ---                      0.0
            Col1Ave: <3 Quant Peaks                   Col2Ave: <3 Quant Peaks




Total PCB Area Col1 (5.933 - 13.804) =     119937     Col1 Total PCB = 0.0 ppm*
```

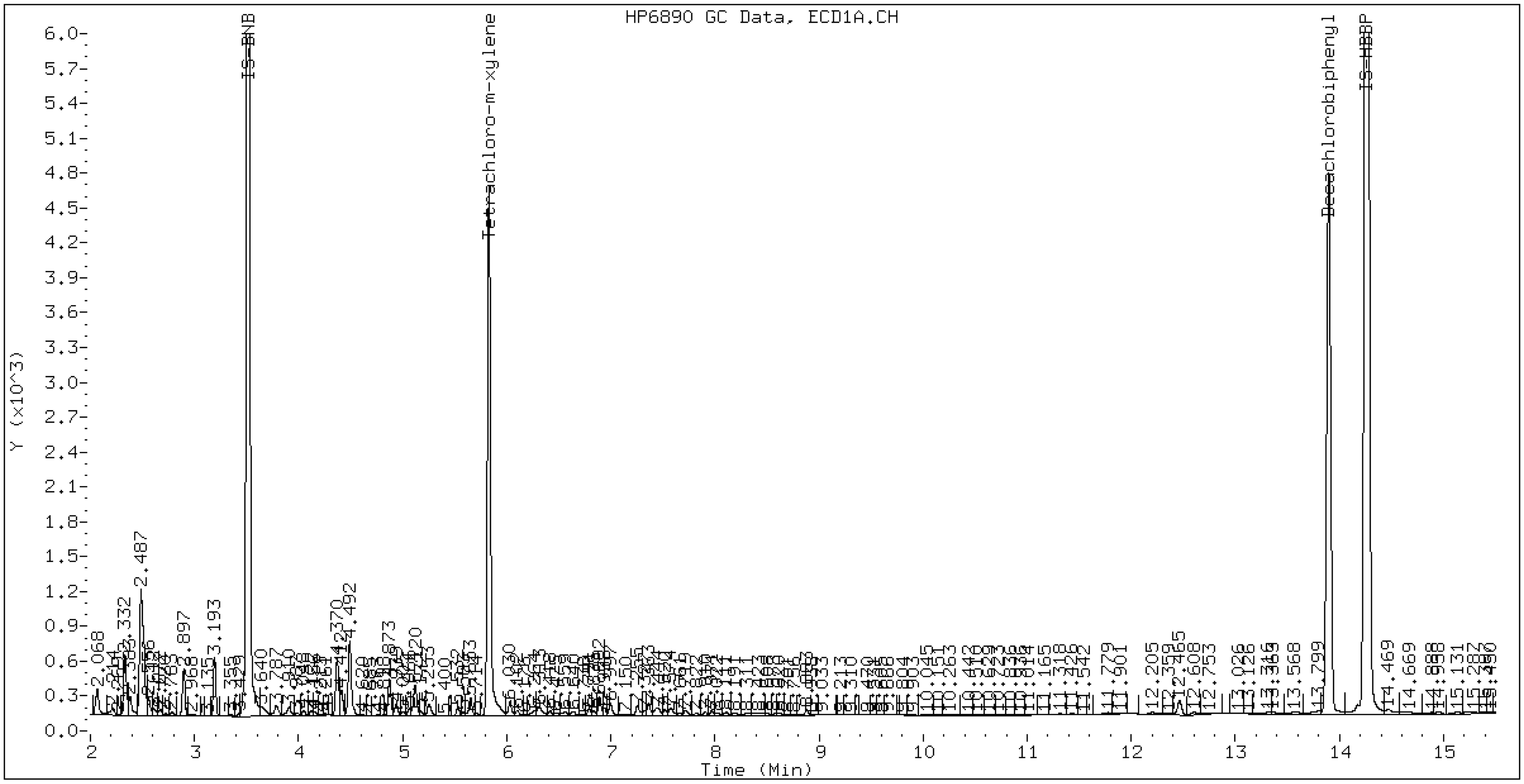
```
Total PCB Area Col2 (5.809 - 14.028) =      70680     Col2 Total PCB = 0.0 ppm*

  *  Quantitated against AR1660 0.25ppm in Ical

                                    PCB-Form 10 Mod.
```

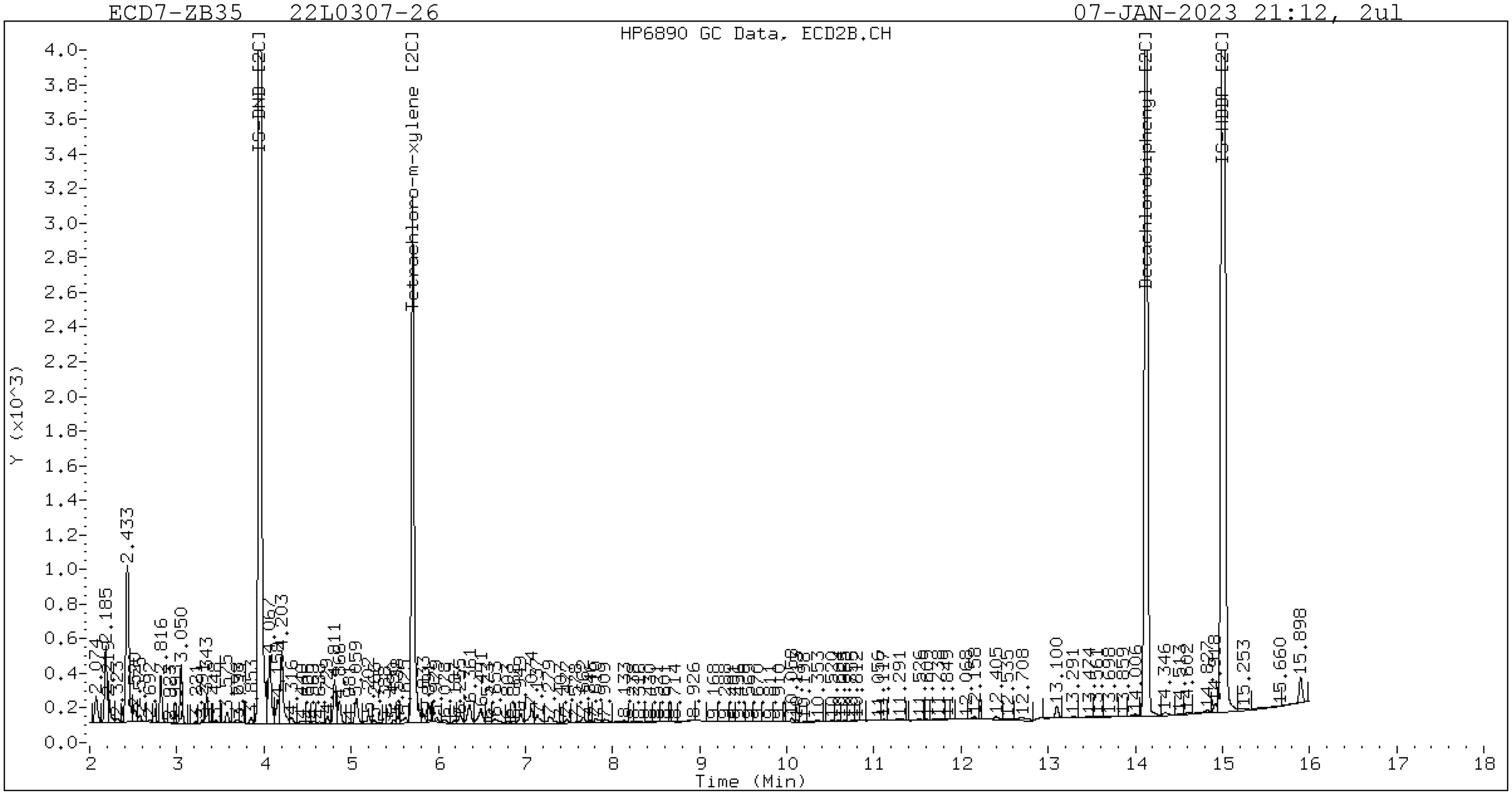
PCB Dual Column Chromatograms

ECD7-ZB5 22L0307-26 07-JAN-2023 21:12, 2ul



ZB-5 Manual Integration: NO

ECD7-ZB35 22L0307-26 07-JAN-2023 21:12, 2ul



ZB-35 Manual Integration: NO

LDW22-SC750G

Dual Column

ORGANIC ANALYSIS DATA SHEET
EPA 8082A

Laboratory:	Analytical Resources, LLC			SDG:	22L0307
Client:	Anchor QEA, LLC				
Project:	AOC4 UR Phase 3				
Matrix:	Solid	Laboratory ID:	22L0307-27 B	File ID:	01072335ECD7.D
Sampled:	12/12/22 09:26	Prepared:	12/28/22 14:11	Analyzed:	01/07/23 21:33
% Solids:	67.41	Preparation:	EPA 3546 (Microwave)	Initial/Final:	18.54 g Wet / 2.5 mL
Batch:	BKL0582	Sequence:	SLA0099	Calibration:	FL00010
Instrument:	ECD7	Column 1:	ZB5	Column 2:	ZB35

CAS NO.	COMPOUND	Col #	DILUTION	CONC. (ug/kg dry)	MDL	MRL	Q
12674-11-2	Aroclor 1016	1	1	4.0	1.6	4.0	U
11104-28-2	Aroclor 1221	1	1	4.0	1.6	4.0	U
11141-16-5	Aroclor 1232	1	1	4.0	1.6	4.0	U
53469-21-9	Aroclor 1242	1	1	4.0	1.6	4.0	U
12672-29-6	Aroclor 1248	1	1	4.0	1.6	4.0	U
11097-69-1	Aroclor 1254	1	1	4.0	1.6	4.0	U
11096-82-5	Aroclor 1260	1	1	4.0	0.6	4.0	U

SURROGATES	Col #	ADDED (ug/kg dry)	CONC (ug/kg dry)	% REC	QC LIMITS	Q
Decachlorobiphenyl	*1*	*8.0014*	*7.99*	*99.8*	*40 - 126*	
Tetrachlorometaxylene	*1*	*8.0014*	*5.62*	*70.3*	*44 - 120*	

```
                                 Analytical Resources Inc.
                            Dual Column 608/8082 PCB Quantitation Report

Data file 1: /230107.b/01072335ECD7.D                        ARI ID: 22L0307-27
Data file 2: /230107.b/230107.b/01072335ECD7.D               Client ID:
Method: \\target\share\chem4\ecd7.i\230107.b\PCB.m           Injection Date: 07-JAN-2023 21:33
Compound Sublist: PCB.sub                                    Report Date: 01/11/2023 15:12
Instrument, Inj. Vol.: ecd7.i, 2ul                           Matrix: NONE
Quant Method: Internal Std                                   Dilution Factor:  1.0



                                    SURROGATES

       ZB5 Col          |       ZB35 Col          |   ZB5    ZB35
  RT    Shift Response | RT    Shift  Response  |  on col  on col    RPD   Compound/Flag
=========================================================================================

 5.826 -0.007   186749 | 5.703  -0.006   132160|   28.1    31.7     12.1    Tetrachloro-m-xylene
13.894 -0.010   193606 |14.122  -0.006   197754|   39.9    34.9     13.4    Decachlorobiphenyl


*  Indicates RPD > 40%



                               INTERNAL STANDARD SUMMARY

                                            Column 1
                                     Standard    Sample
                  Standard Cpnd        Area*       Area      %D
               --------------------------------------------------
                 Bromo-Nitrobenzene    447645      468745    4.7
                 Hexabromobiphenyl     798898      528997  -33.8

                                            Column 2
                                     Standard    Sample
                  Standard Cpnd        Area*       Area      %D
               --------------------------------------------------
                 Bromo-Nitrobenzene    249094     303740    21.9
                 Hexabromobiphenyl     362541     398961    10.0


                * Standard Areas taken from Initial Cal Level 3
                  Initial Calibration Date: 03-DEC-2022
               <- Indicates standard response outside Limits (-50 to +100%)
```

```
                            ZB5 Col                                                  ZB35 Col
Aroclor   Peak#    RT    Shift    Area    Amount    Peak#   RT     Shift    Area   Amount
========================================================================================
Aroclor-1016 1      ---                     0.0      1     ---                      0.0
Aroclor-1016 2      ---                     0.0      2     ---                      0.0
Aroclor-1016 3      ---                     0.0      3     ---                      0.0
Aroclor-1016 4      ---                     0.0      4     ---                      0.0
            Col1Ave: <3 Quant Peaks                   Col2Ave: <3 Quant Peaks

Aroclor-1221 1      ---                     0.0      1     ---                      0.0
Aroclor-1221 2      ---                     0.0      2     ---                      0.0
Aroclor-1221 3      ---                     0.0      3     ---                      0.0
            Col1Ave: <3 Quant Peaks                   Col2Ave: <3 Quant Peaks

Aroclor-1232 1      ---                     0.0      1     ---                      0.0
Aroclor-1232 2      ---                     0.0      2     ---                      0.0
Aroclor-1232 3      ---                     0.0      3     ---                      0.0
Aroclor-1232 4      ---                     0.0      4     ---                      0.0
            Col1Ave: <3 Quant Peaks                   Col2Ave: <3 Quant Peaks

Aroclor-1242 1      ---                     0.0      1     ---                      0.0
Aroclor-1242 2      ---                     0.0      2     ---                      0.0
Aroclor-1242 3      ---                     0.0      3     ---                      0.0
Aroclor-1242 4      ---                     0.0      4     ---                      0.0
            Col1Ave: <3 Quant Peaks                   Col2Ave: <3 Quant Peaks

Aroclor-1248 1      ---                     0.0      1     ---                      0.0
Aroclor-1248 2      ---                     0.0      2     ---                      0.0
Aroclor-1248 3      ---                     0.0      3     ---                      0.0
Aroclor-1248 4      ---                     0.0      4     ---                      0.0
            Col1Ave: <3 Quant Peaks                   Col2Ave: <3 Quant Peaks

Aroclor-1254 1      ---                     0.0      1     ---                      0.0
Aroclor-1254 2      ---                     0.0      2     ---                      0.0
Aroclor-1254 3      ---                     0.0      3     ---                      0.0
Aroclor-1254 4      ---                     0.0      4     ---                      0.0
Aroclor-1254 5      ---                     0.0      5     ---                      0.0
            Col1Ave: <3 Quant Peaks                   Col2Ave: <3 Quant Peaks

Aroclor-1260 1      ---                     0.0      1     ---                      0.0
Aroclor-1260 2      ---                     0.0      2     ---                      0.0
Aroclor-1260 3      ---                     0.0      3     ---                      0.0
Aroclor-1260 4      ---                     0.0      4     ---                      0.0
Aroclor-1260 5      ---                     0.0      NS    ---                     ----
            Col1Ave: <3 Quant Peaks                   Col2Ave: <3 Quant Peaks

Aroclor-1262 1      ---                     0.0      1     ---                      0.0
Aroclor-1262 2      ---                     0.0      2     ---                      0.0
Aroclor-1262 3      ---                     0.0      3     ---                      0.0
Aroclor-1262 4      ---                     0.0      4     ---                      0.0
            Col1Ave: <3 Quant Peaks                   Col2Ave: <3 Quant Peaks

Aroclor-1268 1      ---                     0.0      1     ---                      0.0
Aroclor-1268 2      ---                     0.0      2     ---                      0.0
Aroclor-1268 3      ---                     0.0      3     ---                      0.0
Aroclor-1268 4      ---                     0.0      4     ---                      0.0
            Col1Ave: <3 Quant Peaks                   Col2Ave: <3 Quant Peaks




Total PCB Area Col1 (5.933 - 13.804) =     247600     Col1 Total PCB = 0.1 ppm*
```

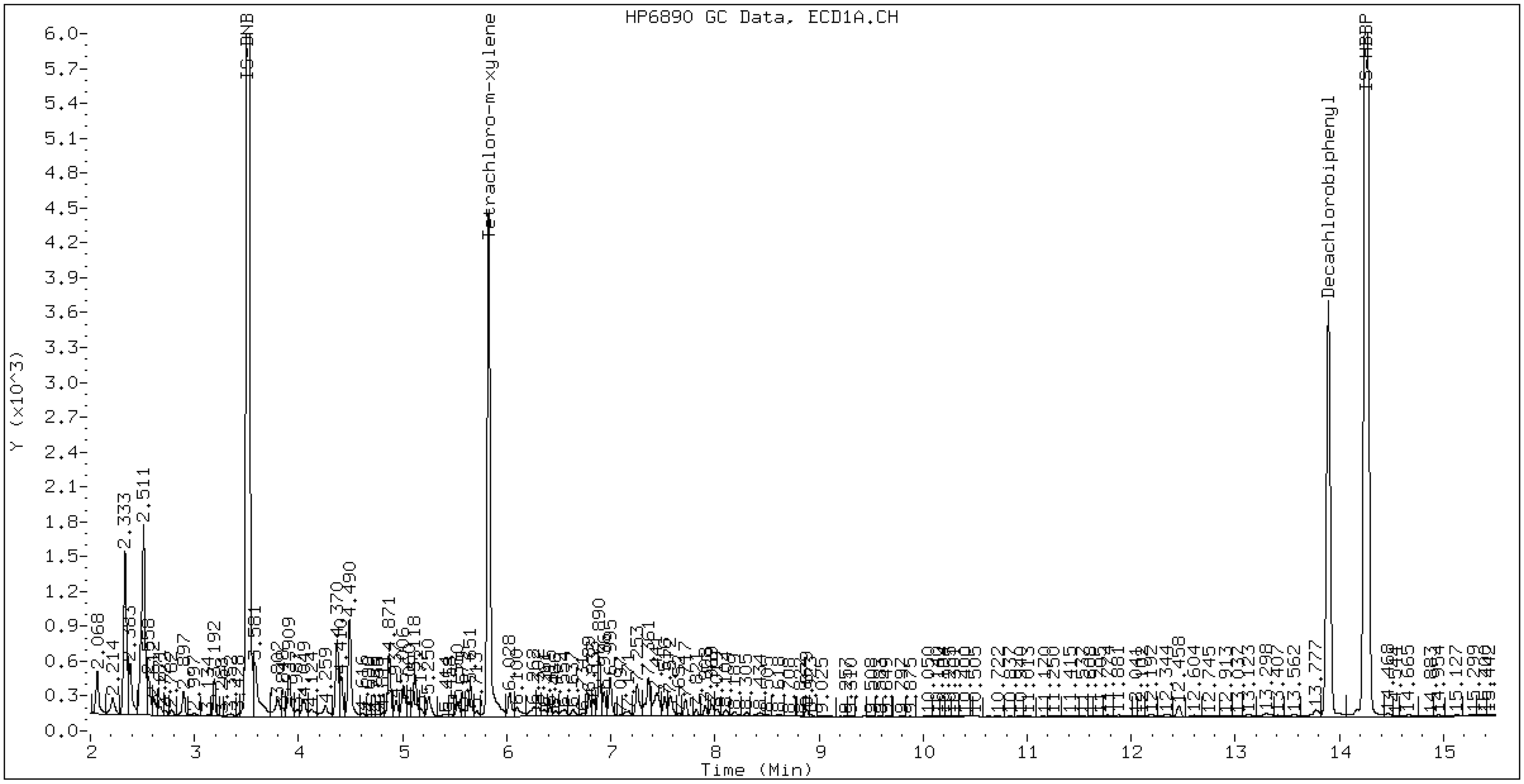
```
Total PCB Area Col2 (5.809 - 14.028) =     157847     Col2 Total PCB = 0.1 ppm*

  *  Quantitated against AR1660 0.25ppm in Ical
```

PCB-Form 10 Mod.

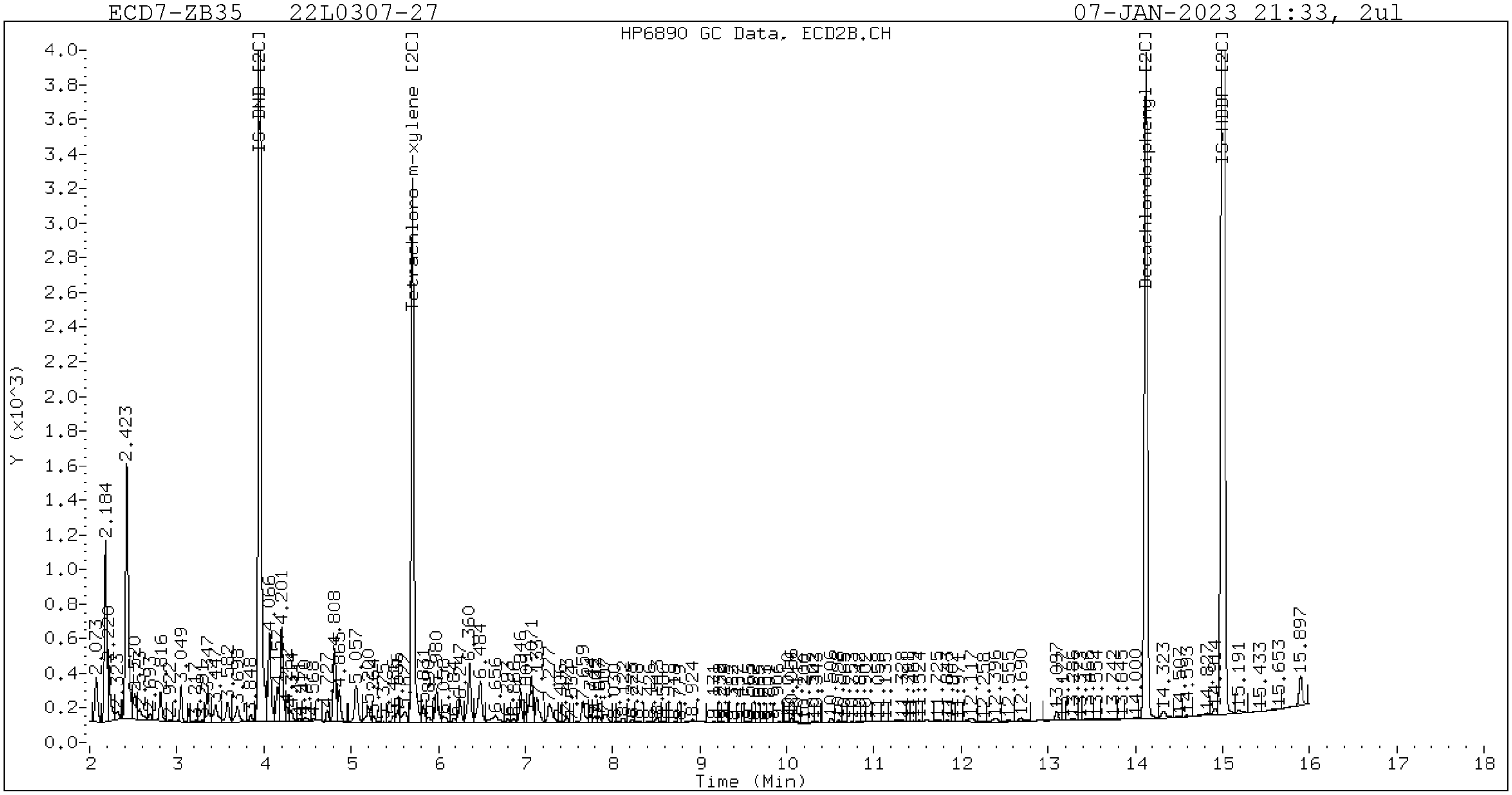
PCB Dual Column Chromatograms

ECD7-ZB5 22L0307-27 07-JAN-2023 21:33, 2ul



ZB-5 Manual Integration: NO

ECD7-ZB35 22L0307-27 07-JAN-2023 21:33, 2ul



ZB-35 Manual Integration: NO

LDW22-SC750H

Dual Column

ORGANIC ANALYSIS DATA SHEET
EPA 8082A

Laboratory:	Analytical Resources, LLC			SDG:	22L0307
Client:	Anchor QEA, LLC				
Project:	AOC4 UR Phase 3				
Matrix:	Solid	Laboratory ID:	22L0307-28 B	File ID:	01072336ECD7.D
Sampled:	12/12/22 09:26	Prepared:	12/28/22 14:11	Analyzed:	01/07/23 21:54
% Solids:	72.60	Preparation:	EPA 3546 (Microwave)	Initial/Final:	17.24 g Wet / 2.5 mL
Batch:	BKL0582	Sequence:	SLA0099	Calibration:	FL00010
Instrument:	ECD7	Column 1:	ZB5	Column 2:	ZB35

CAS NO.	COMPOUND	Col #	DILUTION	CONC. (ug/kg dry)	MDL	MRL	Q
12674-11-2	Aroclor 1016	1	1	4.0	1.6	4.0	U
11104-28-2	Aroclor 1221	1	1	4.0	1.6	4.0	U
11141-16-5	Aroclor 1232	1	1	4.0	1.6	4.0	U
53469-21-9	Aroclor 1242	1	1	4.0	1.6	4.0	U
12672-29-6	Aroclor 1248	1	1	4.0	1.6	4.0	U
11097-69-1	Aroclor 1254	1	1	4.0	1.6	4.0	U
11096-82-5	Aroclor 1260	1	1	4.0	0.6	4.0	U

SURROGATES	Col #	ADDED (ug/kg dry)	CONC (ug/kg dry)	% REC	QC LIMITS	Q
Decachlorobiphenyl	*1*	*7.9896*	*7.72*	*96.6*	*40 - 126*	
Tetrachlorometaxylene	*1*	*7.9896*	*6.08*	*76.0*	*44 - 120*	

```
                               Analytical Resources Inc.
                          Dual Column 608/8082 PCB Quantitation Report

 Data file 1: /230107.b/01072336ECD7.D                   ARI ID: 22L0307-28
 Data file 2: /230107.b/230107.b/01072336ECD7.D          Client ID:
 Method: \\target\share\chem4\ecd7.i\230107.b\PCB.m      Injection Date: 07-JAN-2023 21:54
 Compound Sublist: PCB.sub                               Report Date: 01/11/2023 15:12
 Instrument, Inj. Vol.: ecd7.i, 2ul                      Matrix: NONE
 Quant Method: Internal Std                              Dilution Factor:  1.0



                                  SURROGATES

        ZB5 Col         |       ZB35 Col         |   ZB5    ZB35
   RT    Shift Response | RT    Shift  Response  |  on col  on col    RPD   Compound/Flag
 ========================================================================================

  5.828 -0.005   205720 | 5.705  -0.005   136714|   30.4    30.4      0.1    Tetrachloro-m-xylene
 13.895 -0.009   215113 |14.123  -0.006   214989|   38.7    33.6     13.9    Decachlorobiphenyl


*  Indicates RPD > 40%



                             INTERNAL STANDARD SUMMARY

                                         Column 1
                                  Standard    Sample
                Standard Cpnd       Area*       Area      %D
            --------------------------------------------------
              Bromo-Nitrobenzene    447645      477289    6.6
              Hexabromobiphenyl     798898      607121  -24.0

                                         Column 2
                                  Standard    Sample
                Standard Cpnd       Area*       Area      %D
            --------------------------------------------------
              Bromo-Nitrobenzene    249094     327718    31.6
              Hexabromobiphenyl     362541     450431    24.2


             * Standard Areas taken from Initial Cal Level 3
               Initial Calibration Date: 03-DEC-2022
            <- Indicates standard response outside Limits (-50 to +100%)
```

```
                             ZB5 Col                          ZB35 Col
 Aroclor   Peak#    RT    Shift    Area    Amount    Peak#   RT     Shift    Area   Amount
 ========================================================================================
 Aroclor-1016 1      ---                     0.0      1     ---                      0.0
 Aroclor-1016 2      ---                     0.0      2     ---                      0.0
 Aroclor-1016 3      ---                     0.0      3     ---                      0.0
 Aroclor-1016 4      ---                     0.0      4     ---                      0.0
             Col1Ave: <3 Quant Peaks                   Col2Ave: <3 Quant Peaks

 Aroclor-1221 1      ---                     0.0      1     ---                      0.0
 Aroclor-1221 2      ---                     0.0      2     ---                      0.0
 Aroclor-1221 3      ---                     0.0      3     ---                      0.0
             Col1Ave: <3 Quant Peaks                   Col2Ave: <3 Quant Peaks

 Aroclor-1232 1      ---                     0.0      1     ---                      0.0
 Aroclor-1232 2      ---                     0.0      2     ---                      0.0
 Aroclor-1232 3      ---                     0.0      3     ---                      0.0
 Aroclor-1232 4      ---                     0.0      4     ---                      0.0
             Col1Ave: <3 Quant Peaks                   Col2Ave: <3 Quant Peaks

 Aroclor-1242 1      ---                     0.0      1     ---                      0.0
 Aroclor-1242 2      ---                     0.0      2     ---                      0.0
 Aroclor-1242 3      ---                     0.0      3     ---                      0.0
 Aroclor-1242 4      ---                     0.0      4     ---                      0.0
             Col1Ave: <3 Quant Peaks                   Col2Ave: <3 Quant Peaks

 Aroclor-1248 1      ---                     0.0      1     ---                      0.0
 Aroclor-1248 2      ---                     0.0      2     ---                      0.0
 Aroclor-1248 3      ---                     0.0      3     ---                      0.0
 Aroclor-1248 4      ---                     0.0      4     ---                      0.0
             Col1Ave: <3 Quant Peaks                   Col2Ave: <3 Quant Peaks

 Aroclor-1254 1      ---                     0.0      1     ---                      0.0
 Aroclor-1254 2      ---                     0.0      2     ---                      0.0
 Aroclor-1254 3      ---                     0.0      3     ---                      0.0
 Aroclor-1254 4      ---                     0.0      4     ---                      0.0
 Aroclor-1254 5      ---                     0.0      5     ---                      0.0
             Col1Ave: <3 Quant Peaks                   Col2Ave: <3 Quant Peaks

 Aroclor-1260 1      ---                     0.0      1     ---                      0.0
 Aroclor-1260 2      ---                     0.0      2     ---                      0.0
 Aroclor-1260 3      ---                     0.0      3     ---                      0.0
 Aroclor-1260 4      ---                     0.0      4     ---                      0.0
 Aroclor-1260 5      ---                     0.0      NS    ---                     ----
             Col1Ave: <3 Quant Peaks                   Col2Ave: <3 Quant Peaks

 Aroclor-1262 1      ---                     0.0      1     ---                      0.0
 Aroclor-1262 2      ---                     0.0      2     ---                      0.0
 Aroclor-1262 3      ---                     0.0      3     ---                      0.0
 Aroclor-1262 4      ---                     0.0      4     ---                      0.0
             Col1Ave: <3 Quant Peaks                   Col2Ave: <3 Quant Peaks

 Aroclor-1268 1      ---                     0.0      1     ---                      0.0
 Aroclor-1268 2      ---                     0.0      2     ---                      0.0
 Aroclor-1268 3      ---                     0.0      3     ---                      0.0
 Aroclor-1268 4      ---                     0.0      4     ---                      0.0
             Col1Ave: <3 Quant Peaks                   Col2Ave: <3 Quant Peaks




 Total PCB Area Col1 (5.933 - 13.804) =     256800     Col1 Total PCB = 0.1 ppm*
```

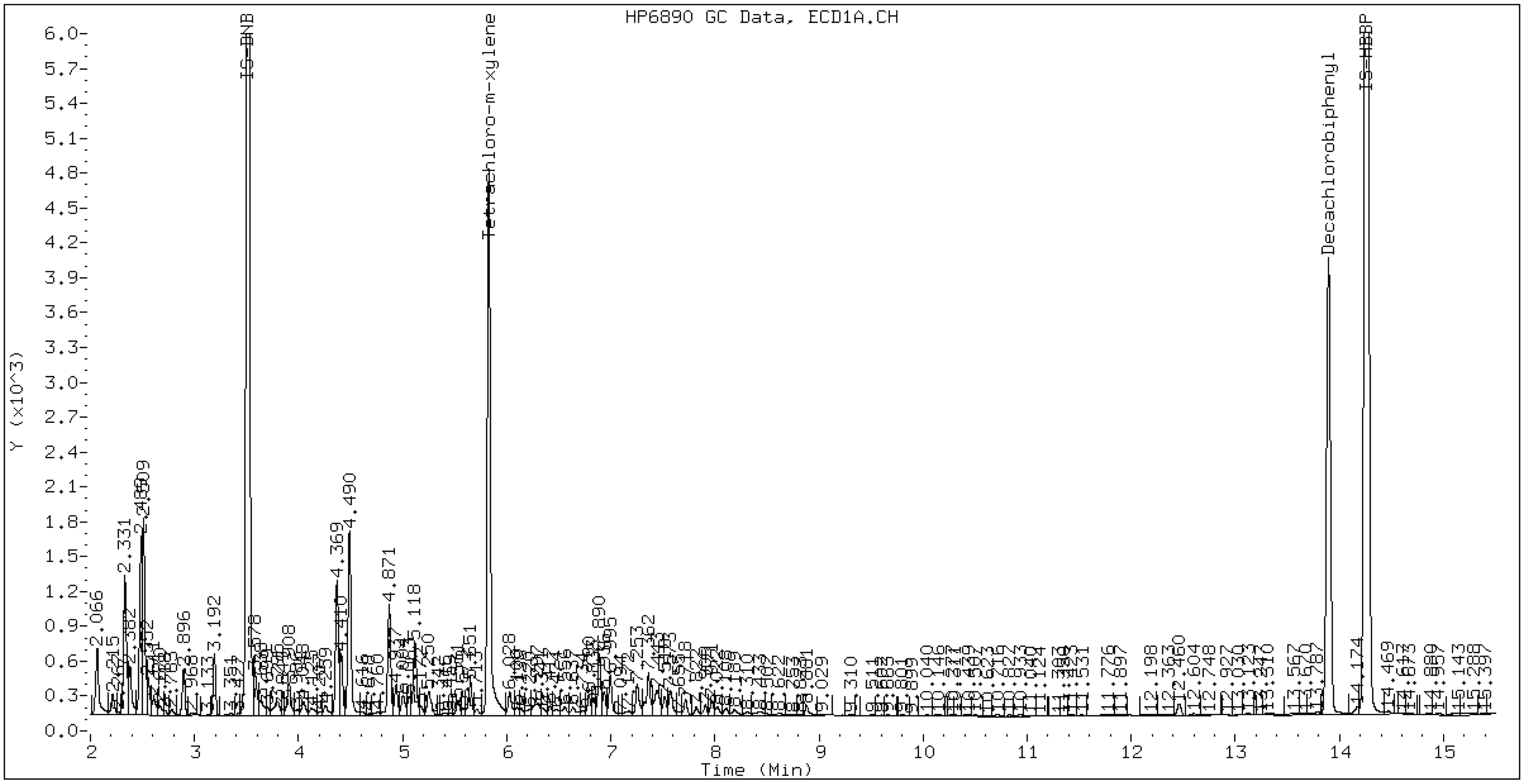
```
Total PCB Area Col2 (5.809 - 14.028) =     155031     Col2 Total PCB = 0.1 ppm*

  *  Quantitated against AR1660 0.25ppm in Ical

                                        PCB-Form 10 Mod.
```

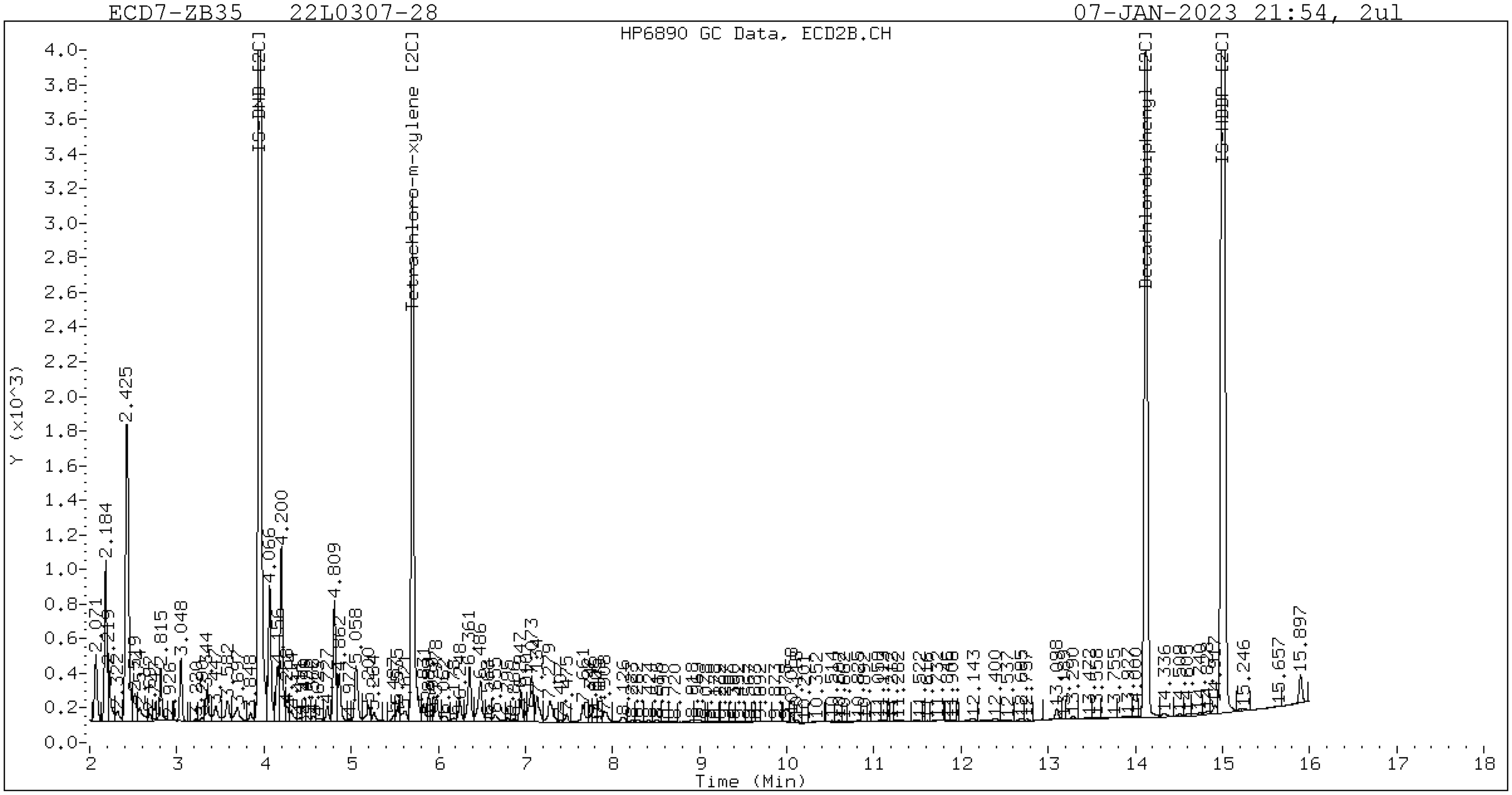
PCB Dual Column Chromatograms

ECD7-ZB5 22L0307-28 07-JAN-2023 21:54, 2ul



ZB-5 Manual Integration: NO

ECD7-ZB35 22L0307-28 07-JAN-2023 21:54, 2ul



ZB-35 Manual Integration: NO

LDW22-IT808A

Dual Column

ORGANIC ANALYSIS DATA SHEET
EPA 8082A

Laboratory: Analytical Resources, LLC
SDG: 22L0307
Client: Anchor QEA, LLC
Project: AOC4 UR Phase 3
Matrix: Solid
Laboratory ID: 22L0307-29 C
File ID: 01072337ECD7.D
Sampled: 12/12/22 09:46
Prepared: 12/28/22 14:11
Analyzed: 01/07/23 22:15
% Solids: 55.34
Preparation: EPA 3546 (Microwave)
Initial/Final: 22.59 g Wet / 2.5 mL
Batch: BKL0582
Sequence: SLA0099
Calibration: FL00010
Instrument: ECD7
Column 1: ZB5
Column 2: ZB35

CAS NO.	COMPOUND	Col #	DILUTION	CONC. (ug/kg dry)	MDL	MRL	Q
12674-11-2	Aroclor 1016	1	1	4.0	1.6	4.0	U
11104-28-2	Aroclor 1221	1	1	4.0	1.6	4.0	U
11141-16-5	Aroclor 1232	1	1	4.0	1.6	4.0	U
53469-21-9	Aroclor 1242	1	1	4.0	1.6	4.0	U
12672-29-6	Aroclor 1248	2	1	143	1.6	4.0	
11097-69-1	Aroclor 1254	2	1	188	1.6	4.0	
11096-82-5	Aroclor 1260	2	1	84.8	0.6	4.0	

SURROGATES	Col #	ADDED (ug/kg dry)	CONC (ug/kg dry)	% REC	QC LIMITS	Q
Decachlorobiphenyl	*1*	*7.9992*	*7.61*	*95.2*	*40 - 126*	
Tetrachlorometaxylene	*1*	*7.9992*	*4.73*	*59.2*	*44 - 120*	
Decachlorobiphenyl	*2*	*7.9992*	*6.82*	*85.3*	*40 - 126*	
Tetrachlorometaxylene	*2*	*7.9992*	*5.42*	*67.7*	*44 - 120*	

```
                              Analytical Resources Inc.
                         Dual Column 608/8082 PCB Quantitation Report

Data file 1: /230107.b/01072337ECD7.D                      ARI ID: 22L0307-29
Data file 2: /230107.b/230107.b/01072337ECD7.D             Client ID:
Method: \\target\share\chem4\ecd7.i\230107.b\PCB.m         Injection Date: 07-JAN-2023 22:15
Compound Sublist: PCB.sub                                  Report Date: 01/11/2023 15:12
Instrument, Inj. Vol.: ecd7.i, 2ul                         Matrix: NONE
Quant Method: Internal Std                                 Dilution Factor:  1.0



                                   SURROGATES

       ZB5 Col          |       ZB35 Col         |   ZB5    ZB35
  RT    Shift Response | RT    Shift  Response  |  on col  on col    RPD   Compound/Flag
==========================================================================================

 5.825 -0.008   157150 | 5.702  -0.007   113736|   23.7    27.1     13.5    Tetrachloro-m-xylene
13.893 -0.011   165885 |14.122  -0.006   178402|   38.1    34.1     11.0    Decachlorobiphenyl


*  Indicates RPD > 40%



                              INTERNAL STANDARD SUMMARY

                                          Column 1
                                   Standard    Sample
                Standard Cpnd       Area*       Area      %D
             --------------------------------------------------
               Bromo-Nitrobenzene    447645      468522    4.7
               Hexabromobiphenyl     798898      475303  -40.5

                                          Column 2
                                   Standard    Sample
                Standard Cpnd       Area*       Area      %D
             --------------------------------------------------
               Bromo-Nitrobenzene    249094     306243    22.9
               Hexabromobiphenyl     362541     368314     1.6


              * Standard Areas taken from Initial Cal Level 3
                Initial Calibration Date: 03-DEC-2022
             <- Indicates standard response outside Limits (-50 to +100%)
```

```
//target/share/chem4/ecd7.i/230107.b/01072337ECD7.D      22L0307-29                        page 2
                             ZB5 Col                          ZB35 Col
 Aroclor   Peak#    RT    Shift    Area    Amount    Peak#   RT     Shift    Area   Amount
 =======================================================================================
 Aroclor-1016 1      ---                     0.0      1     ---                       0.0
 Aroclor-1016 2      ---                     0.0      2     ---                       0.0
 Aroclor-1016 3      ---                     0.0      3     ---                       0.0
 Aroclor-1016 4      ---                     0.0      4     ---                       0.0
            Col1Ave: <3 Quant Peaks                   Col2Ave: <3 Quant Peaks

 Aroclor-1221 1      ---                     0.0      1     ---                       0.0
 Aroclor-1221 2      ---                     0.0      2     ---                       0.0
 Aroclor-1221 3      ---                     0.0      3     ---                       0.0
            Col1Ave: <3 Quant Peaks                   Col2Ave: <3 Quant Peaks

 Aroclor-1232 1      ---                     0.0      1     ---                       0.0
 Aroclor-1232 2      ---                     0.0      2     ---                       0.0
 Aroclor-1232 3      ---                     0.0      3     ---                       0.0
 Aroclor-1232 4      ---                     0.0      4     ---                       0.0
            Col1Ave: <3 Quant Peaks                   Col2Ave: <3 Quant Peaks

 Aroclor-1242 1      ---                     0.0      1     ---                       0.0
 Aroclor-1242 2      ---                     0.0      2     ---                       0.0
 Aroclor-1242 3      ---                     0.0      3     ---                       0.0
 Aroclor-1242 4      ---                     0.0      4     ---                       0.0
            Col1Ave: <3 Quant Peaks                   Col2Ave: <3 Quant Peaks

 Aroclor-1248 1   8.410  -0.015    118257   587.0      1    8.312  -0.010   154515  1235.1
 Aroclor-1248 2   8.574  -0.029     83411   324.3      2    8.717  -0.011    83405   633.9
 Aroclor-1248 3   8.997  -0.021    254271   549.5      3    9.149  -0.029    65029   406.3
 Aroclor-1248 4   9.298  -0.015    267564  1180.4      4    9.542  -0.060   110127   5~~86~~.1
      Total Col1Ave (4 peaks):   660.3       Total Col2Ave (4 peaks):   715.3   RPD = 8
      Corrected Ave (3 peaks):   487.0       Corrected Ave (3 peaks):   542.1   RPD = 11
                                                                      758.43
 Aroclor-1254 1   9.298  -0.013    267564   648.6      1    9.449  -0.012   149292   756.1
 Aroclor-1254 2   9.374  -0.014    115804   721.8      2    9.967  -0.014   106524   671.0
 Aroclor-1254 3   9.665  -0.013    195934   752.0      3   10.115  -0.018   374529  1097.6
 Aroclor-1254 4   9.799  -0.016    473396   932.1      4   10.358  -0.025   365220  1033.5
 Aroclor-1254 5  10.138  -0.030    213352   612.8      5   10.564  -0.014   194919  1143.6
      Total Col1Ave (5 peaks):   733.5       Total Col2Ave (5 peaks):   940.4   RPD = 25
      Corrected Ave (4 peaks):   683.8       Corrected Ave (4 peaks):   889.6   RPD = 26

 Aroclor-1260 1  11.043  -0.017     73356   424.0      1   11.653  -0.010   120912   621.9
 Aroclor-1260 2  11.358  -0.018     58855   328.9      2   11.914  -0.015   163106   334.3
 Aroclor-1260 3  11.728  -0.022    170233   362.1      3   12.433  -0.013    49673   382.4
 Aroclor-1260 4  12.128  -0.025    112611   470.3      4   12.496  -0.015   116428   358.0
 Aroclor-1260 5  12.243  -0.013     38329   391.0      NS    ---                     ----
      Total Col1Ave (5 peaks):   395.3       Total Col2Ave (4 peaks):   424.2   RPD = 7
      Corrected Ave (4 peaks):   376.5       Corrected Ave (3 peaks):   358.2   RPD = 5

 Aroclor-1262 1      ---                     0.0      1     ---                       0.0
 Aroclor-1262 2      ---                     0.0      2     ---                       0.0
 Aroclor-1262 3      ---                     0.0      3     ---                       0.0
 Aroclor-1262 4      ---                     0.0      4     ---                       0.0
            Col1Ave: <3 Quant Peaks                   Col2Ave: <3 Quant Peaks

 Aroclor-1268 1      ---                     0.0      1     ---                       0.0
 Aroclor-1268 2      ---                     0.0      2     ---                       0.0
 Aroclor-1268 3      ---                     0.0      3     ---                       0.0
 Aroclor-1268 4      ---                     0.0      4     ---                       0.0
            Col1Ave: <3 Quant Peaks                   Col2Ave: <3 Quant Peaks
```

Total PCB Area Col1 (5.933 - 13.804) = 5915993 Col1 Total PCB = 1.3 ppm*

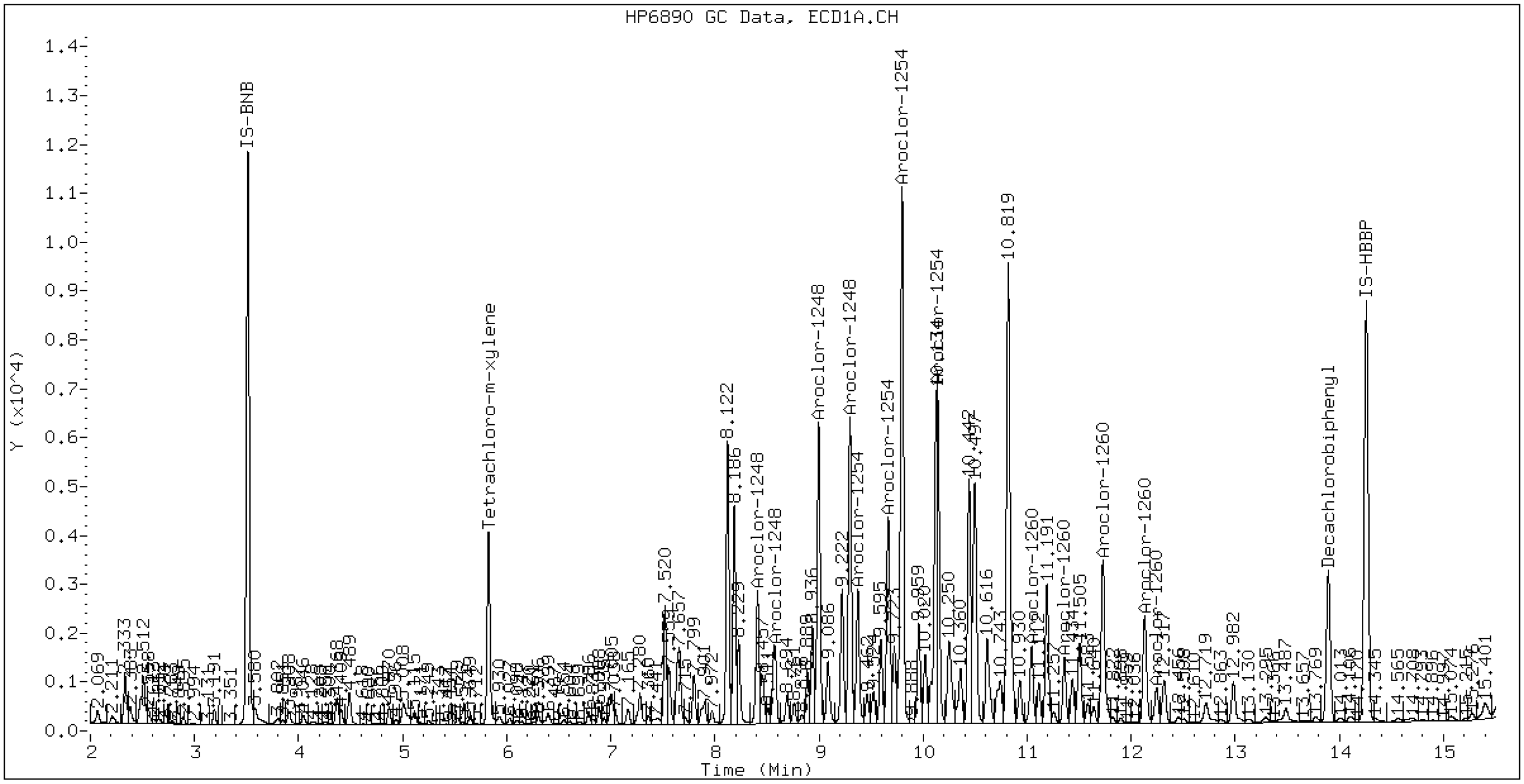
Total PCB Area Col2 (5.809 - 14.028) = 4482703 Col2 Total PCB = 1.6 ppm*

* Quantitated against AR1660 0.25ppm in Ical

PCB-Form 10 Mod.

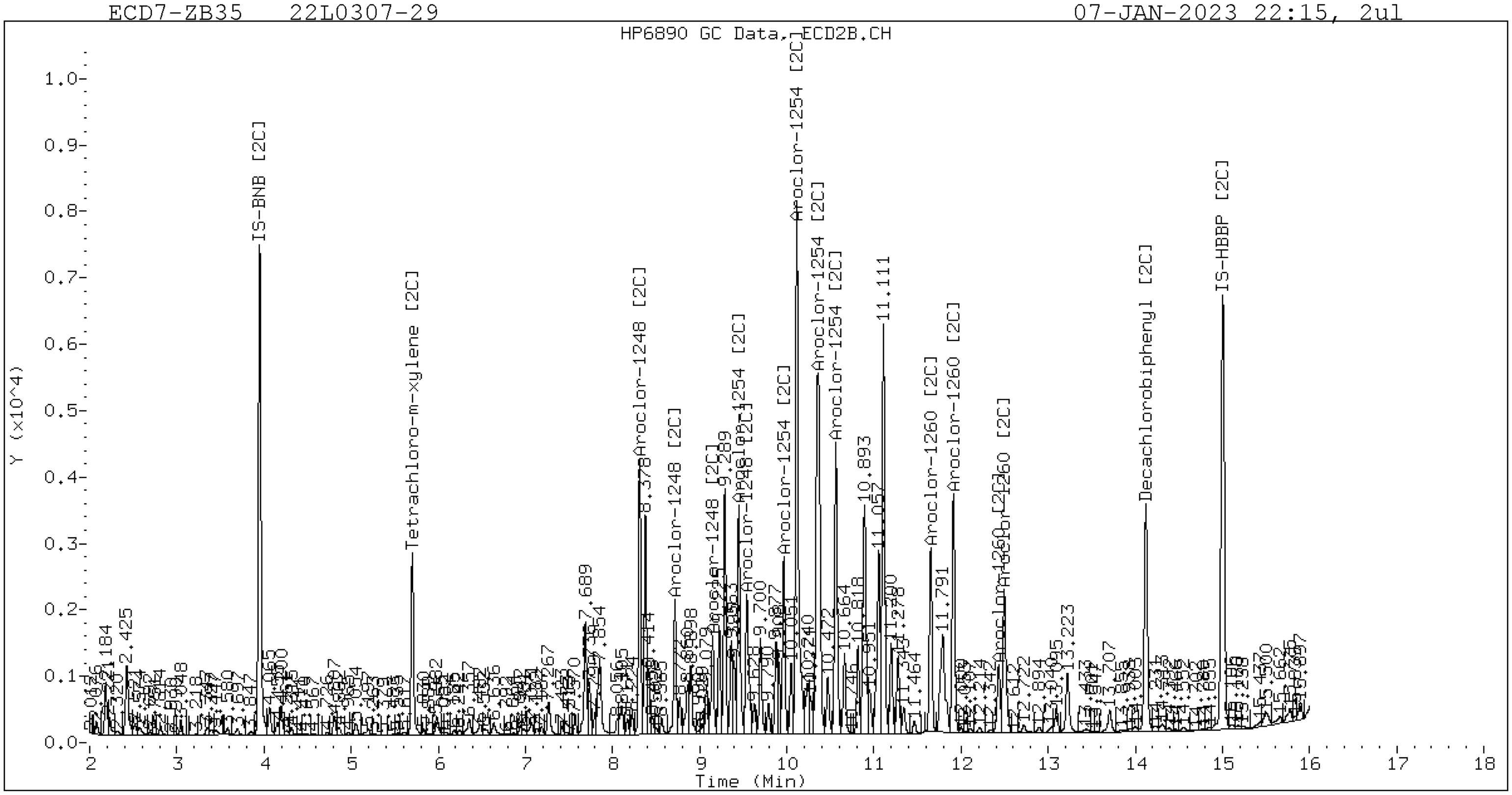
PCB Dual Column Chromatograms

ECD7-ZB5 22L0307-29 07-JAN-2023 22:15, 2ul



ZB-5 Manual Integration: YES

ECD7-ZB35 22L0307-29 07-JAN-2023 22:15, 2ul

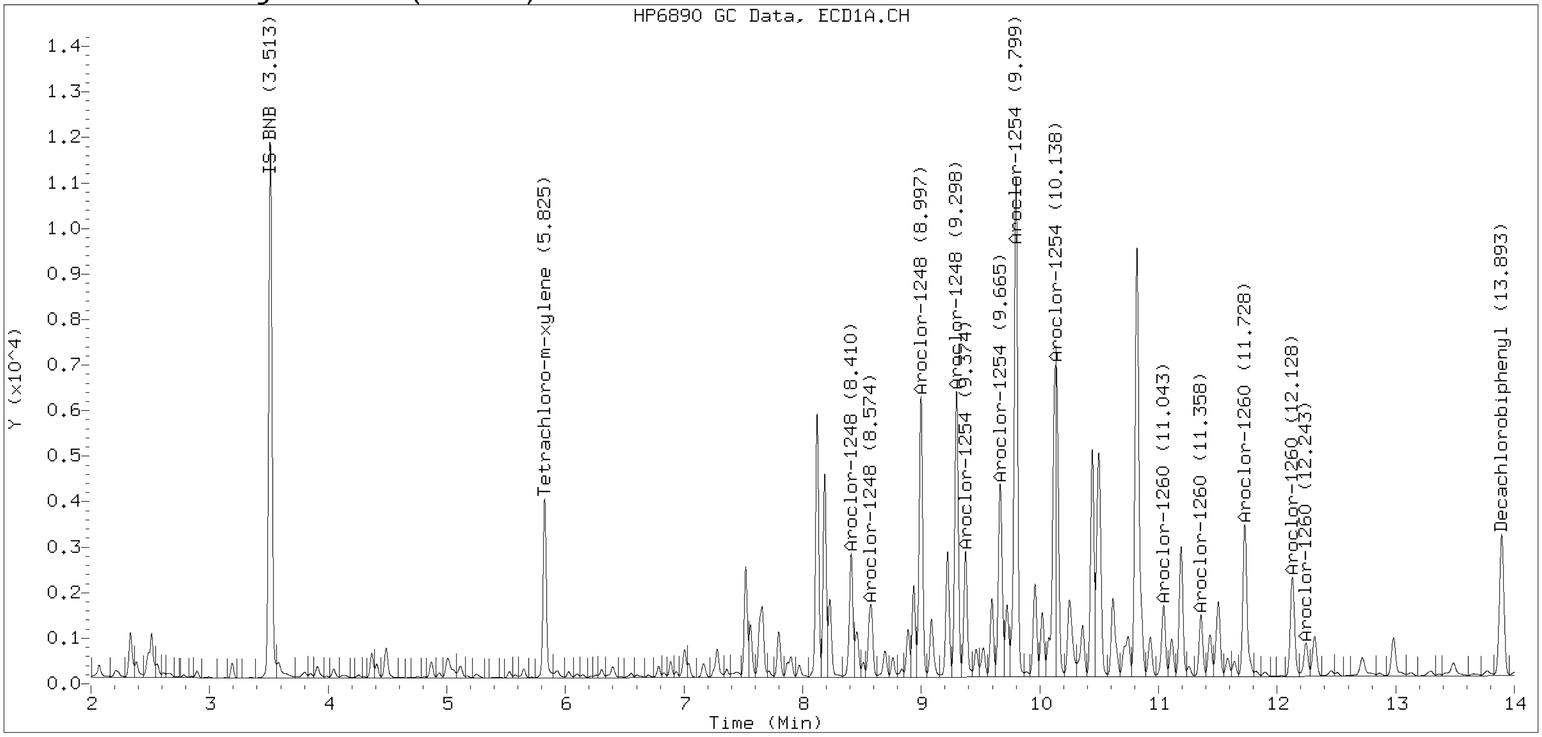


ZB-35 Manual Integration: YES

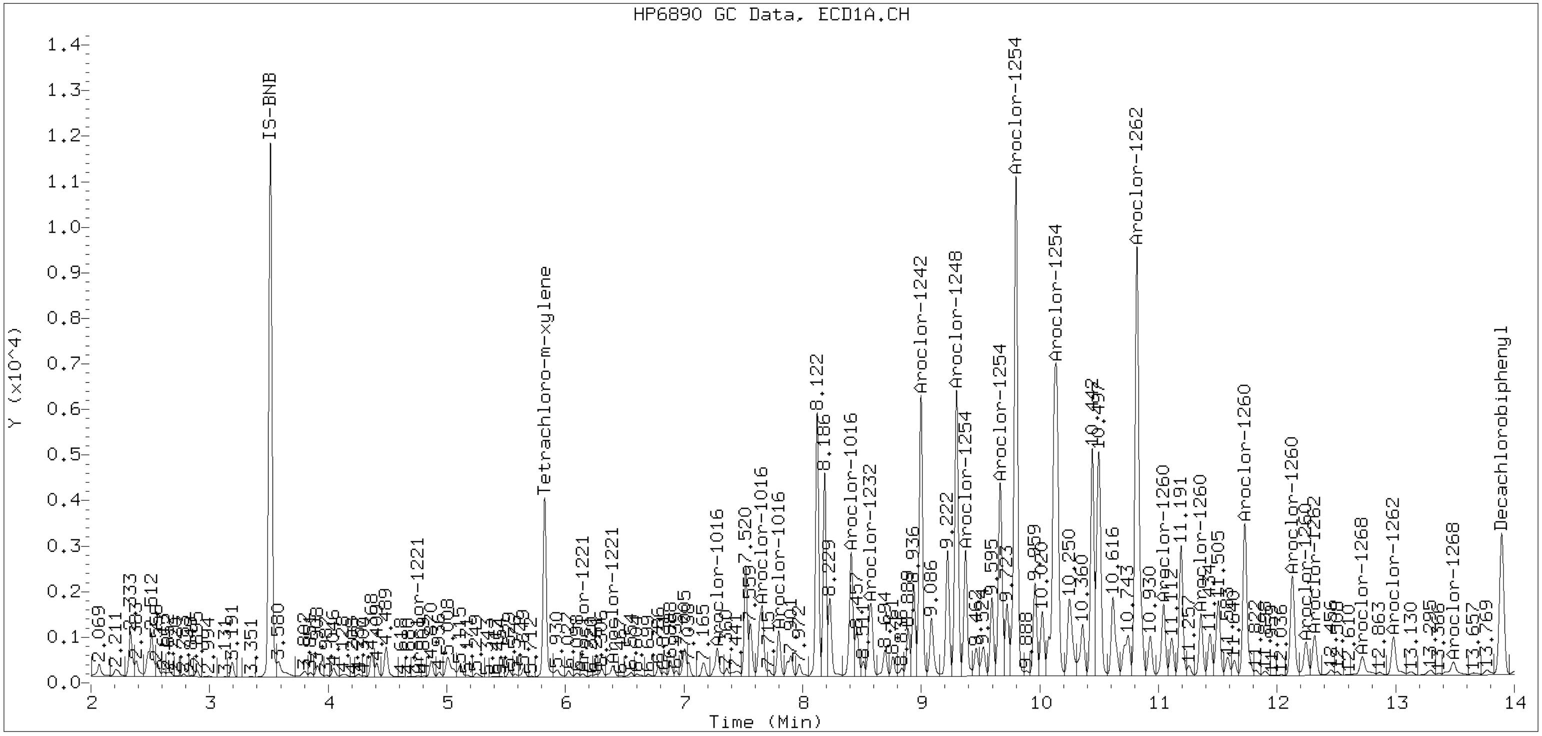
Manual Peak Adjustment, ZB-5

Datafile: ecd7.i/230107.b/01072337ECD7.D   Injection Date: 07-JAN-2023 22:15

Manual Integration (After)



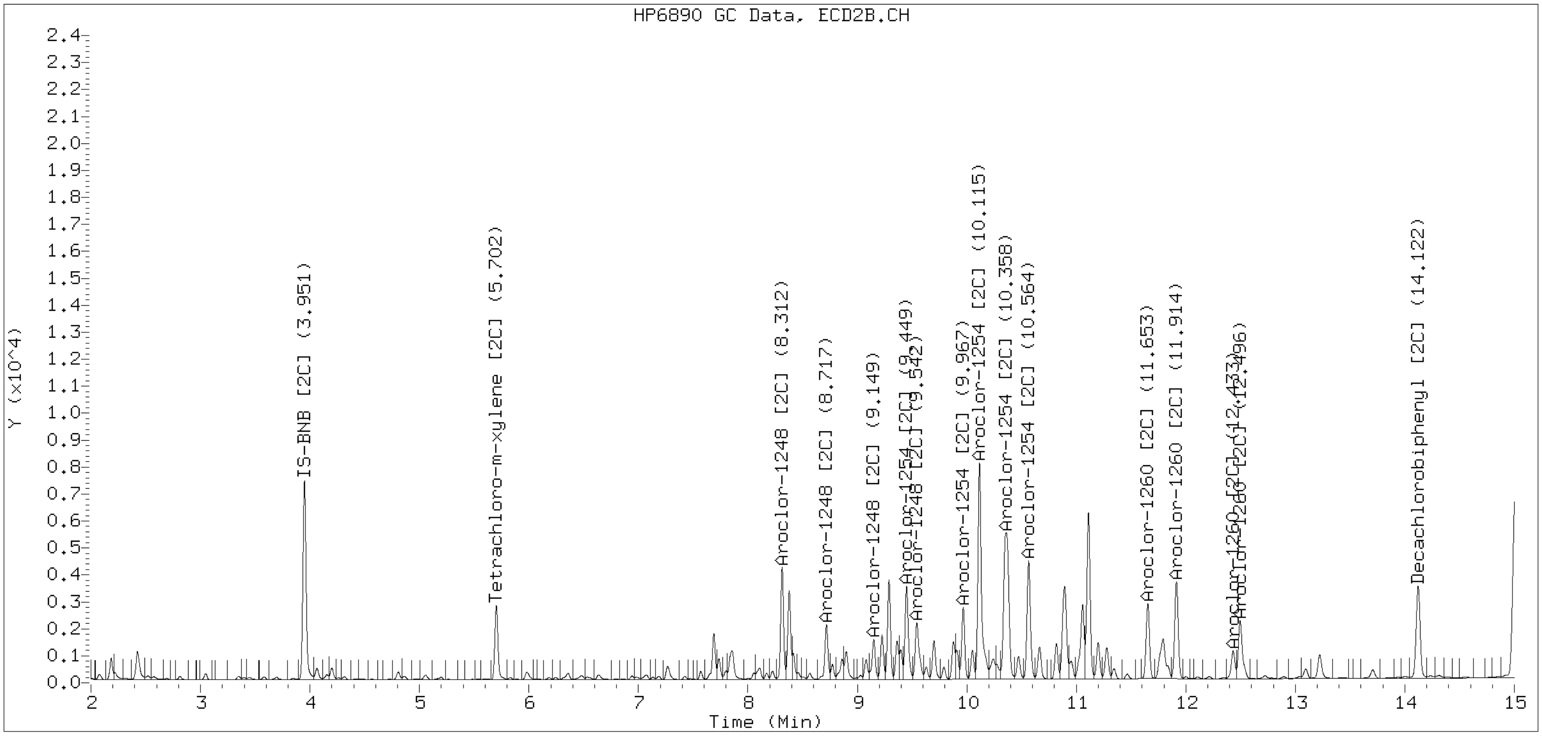
Processed Integration (Before)



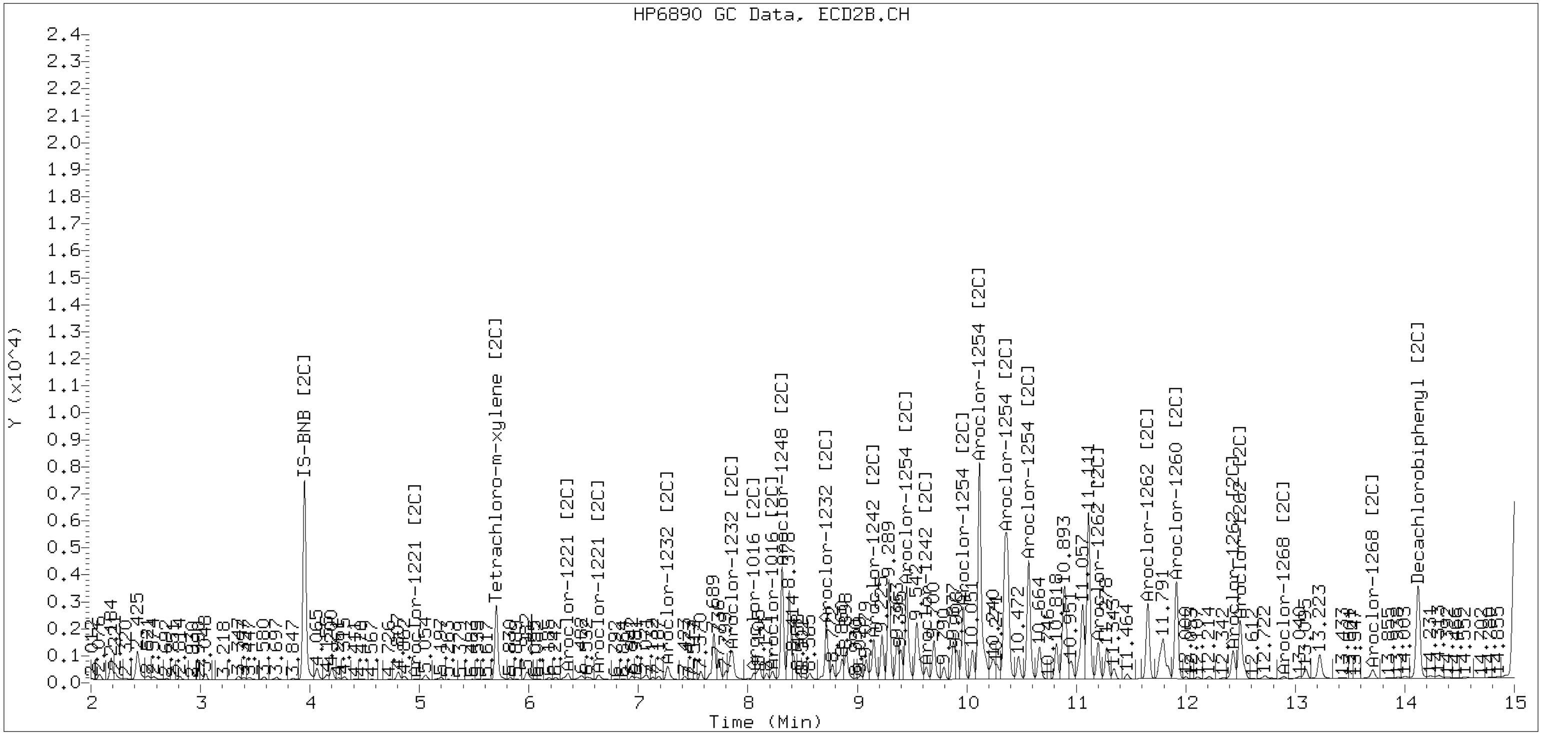
Manual Peak Adjustment, ZB-35

Datafile: ecd7.i/230107.b/230107.b/01072337ECD7.D   Injection Date: 07-JAN-2023

Manual Integration (After)



Processed Integration (Before)



LDW22-IT808B

Dual Column

ORGANIC ANALYSIS DATA SHEET
EPA 8082A

Laboratory:	Analytical Resources, LLC			SDG:	22L0307
Client:	Anchor QEA, LLC				
Project:	AOC4 UR Phase 3				
Matrix:	Solid	Laboratory ID:	22L0307-30 C	File ID:	01112361ECD7.D
Sampled:	12/12/22 09:46	Prepared:	12/28/22 14:11	Analyzed:	01/12/23 05:59
% Solids:	57.36	Preparation:	EPA 3546 (Microwave)	Initial/Final:	21.81 g Wet / 2.5 mL
Batch:	BKL0582	Sequence:	SLA0136	Calibration:	FL00010
Instrument:	ECD7	Column 1:	ZB5	Column 2:	ZB35

CAS NO.	COMPOUND	Col #	DILUTION	CONC. (ug/kg dry)	MDL	MRL	Q
12674-11-2	Aroclor 1016	1	5	20.0	7.8	20.0	U
11104-28-2	Aroclor 1221	1	5	20.0	7.8	20.0	U
11141-16-5	Aroclor 1232	1	5	20.0	7.8	20.0	U
53469-21-9	Aroclor 1242	1	5	20.0	7.8	20.0	U
12672-29-6	Aroclor 1248	2	5	284	7.8	20.0	D
11097-69-1	Aroclor 1254	2	5	393	7.8	20.0	D
11096-82-5	Aroclor 1260	2	5	190	2.9	20.0	D

SURROGATES	Col #	ADDED (ug/kg dry)	CONC (ug/kg dry)	% REC	QC LIMITS	Q
Decachlorobiphenyl	*1*	*7.9935*	*7.10*	*88.8*	*40 - 126*	
Tetrachlorometaxylene	*1*	*7.9935*	*4.47*	*55.9*	*44 - 120*	
Decachlorobiphenyl	*2*	*7.9935*	*5.94*	*74.3*	*40 - 126*	
Tetrachlorometaxylene	*2*	*7.9935*	*5.23*	*65.4*	*44 - 120*	

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                              Analytical Resources Inc.
                         Dual Column 608/8082 PCB Quantitation Report

Data file 1: /230111.b/01112361ECD7.D                    ARI ID: 22L0307-30RE1
Data file 2: /230111.b/230111.b/01112361ECD7.D           Client ID:
Method: \\target\share\chem4\ecd7.i\230111.b\PCB.m      Injection Date: 12-JAN-2023 05:59
Compound Sublist: PCB.sub                                Report Date: 01/14/2023 13:22
Instrument, Inj. Vol.: ecd7.i, 2ul                       Matrix: NONE
Quant Method: Internal Std                               Dilution Factor:  5.0



                                 SURROGATES

       ZB5 Col          |       ZB35 Col         |   ZB5    ZB35
  RT    Shift Response | RT    Shift  Response  |  on col  on col    RPD   Compound/Flag
============================================================================================

 5.826 -0.005    26302 | 5.702  -0.005    21209|    4.5     5.2     15.6    Tetrachloro-m-xylene
13.894 -0.008    37299 |14.121  -0.006    37472|    7.1     5.9     17.7    Decachlorobiphenyl


*  Indicates RPD > 40%



                            INTERNAL STANDARD SUMMARY

                                        Column 1
                                 Standard    Sample
                   Standard Cpnd       Area*       Area      %D
               --------------------------------------------------
                 Bromo-Nitrobenzene    447645      414890   -7.3
                 Hexabromobiphenyl     798898      572954  -28.3

                                        Column 2
                                 Standard    Sample
                   Standard Cpnd       Area*       Area      %D
               --------------------------------------------------
                 Bromo-Nitrobenzene    249094     295861    18.8
                 Hexabromobiphenyl     362541     443868    22.4


                * Standard Areas taken from Initial Cal Level 3
                  Initial Calibration Date: 03-DEC-2022
               <- Indicates standard response outside Limits (-50 to +100%)
```

```
//target/share/chem4/ecd7.i/230111.b/01112361ECD7.D      22L0307-30RE1                       page 2
                            ZB5 Col                                 ZB35 Col
 Aroclor   Peak#    RT    Shift    Area    Amount    Peak#   RT     Shift    Area   Amount
 =========================================================================================
 Aroclor-1016 1      ---                      0.0      1     ---                     0.0
 Aroclor-1016 2      ---                      0.0      2     ---                     0.0
 Aroclor-1016 3      ---                      0.0      3     ---                     0.0
 Aroclor-1016 4      ---                      0.0      4     ---                     0.0
             Col1Ave: <3 Quant Peaks                  Col2Ave: <3 Quant Peaks

 Aroclor-1221 1      ---                      0.0      1     ---                     0.0
 Aroclor-1221 2      ---                      0.0      2     ---                     0.0
 Aroclor-1221 3      ---                      0.0      3     ---                     0.0
             Col1Ave: <3 Quant Peaks                  Col2Ave: <3 Quant Peaks

 Aroclor-1232 1      ---                      0.0      1     ---                     0.0
 Aroclor-1232 2      ---                      0.0      2     ---                     0.0
 Aroclor-1232 3      ---                      0.0      3     ---                     0.0
 Aroclor-1232 4      ---                      0.0      4     ---                     0.0
             Col1Ave: <3 Quant Peaks                  Col2Ave: <3 Quant Peaks

 Aroclor-1242 1      ---                      0.0      1     ---                     0.0
 Aroclor-1242 2      ---                      0.0      2     ---                     0.0
 Aroclor-1242 3      ---                      0.0      3     ---                     0.0
 Aroclor-1242 4      ---                      0.0      4     ---                     0.0
             Col1Ave: <3 Quant Peaks                  Col2Ave: <3 Quant Peaks

 Aroclor-1248 1   8.411  -0.013     38751   217.2      1    8.312  -0.009    55677   460.6
 Aroclor-1248 2   8.580  -0.020     21852    95.9      2    8.717  -0.010    31926   251.1
 Aroclor-1248 3   8.998  -0.018     93385   227.9      3    9.150  -0.023    21816   141.1
 Aroclor-1248 4   9.298  -0.012     98887   492.6      4    9.542  -0.056    41865   ~~230.6~~
       Total Col1Ave (4 peaks):   258.4      Total Col2Ave (4 peaks):   270.9   RPD = 5
       Corrected Ave (3 peaks):   180.4      Corrected Ave (3 peaks):   207.6   RPD = 14
                                                                      284.27

 Aroclor-1254 1   9.298  -0.018     98887   270.7      1    9.449  -0.012    58796   308.2
 Aroclor-1254 2   9.374  -0.021     43373   305.3      2    9.967  -0.012    43572   284.1
 Aroclor-1254 3   9.664  -0.021     68782   298.1      3   10.116  -0.017   150835   457.6
 Aroclor-1254 4   9.799  -0.026    176035   391.4      4   10.363  -0.017   146555   429.3
 Aroclor-1254 5  10.128  -0.064    179200   ~~581.3~~      5   10.563  -0.014    80451   488.6
       Total Col1Ave (5 peaks):   ~~369.4~~      Total Col2Ave (5 peaks):   393.6   RPD = 6
       Corrected Ave (4 peaks):   316.4      Corrected Ave (4 peaks):   369.8   RPD = 16

 Aroclor-1260 1  11.043  -0.015     46684   223.8      1   11.653  -0.009    57417   245.1
 Aroclor-1260 2  11.358  -0.015     32508   150.7      2   11.914  -0.011    87383   148.6
 Aroclor-1260 3  11.729  -0.018     89021   157.1      3   12.432  -0.012    31192   199.2
 Aroclor-1260 4  12.129  -0.024     51095   177.0      4   12.497  -0.012    66183   168.9
 Aroclor-1260 5  12.244  -0.012     26438   223.8     NS     ---                      ----
       Total Col1Ave (5 peaks):   186.5      Total Col2Ave (4 peaks):   190.4   RPD = 2
       Corrected Ave (4 peaks):   177.1      Corrected Ave (3 peaks):   172.2   RPD = 3

 Aroclor-1262 1      ---                      0.0      1     ---                     0.0
 Aroclor-1262 2      ---                      0.0      2     ---                     0.0
 Aroclor-1262 3      ---                      0.0      3     ---                     0.0
 Aroclor-1262 4      ---                      0.0      4     ---                     0.0
             Col1Ave: <3 Quant Peaks                  Col2Ave: <3 Quant Peaks

 Aroclor-1268 1      ---                      0.0      1     ---                     0.0
 Aroclor-1268 2      ---                      0.0      2     ---                     0.0
 Aroclor-1268 3      ---                      0.0      3     ---                     0.0
 Aroclor-1268 4      ---                      0.0      4     ---                     0.0
             Col1Ave: <3 Quant Peaks                  Col2Ave: <3 Quant Peaks
```

Total PCB Area Col1 (5.931 - 13.802) = 2279574 Col1 Total PCB = 0.6 ppm*

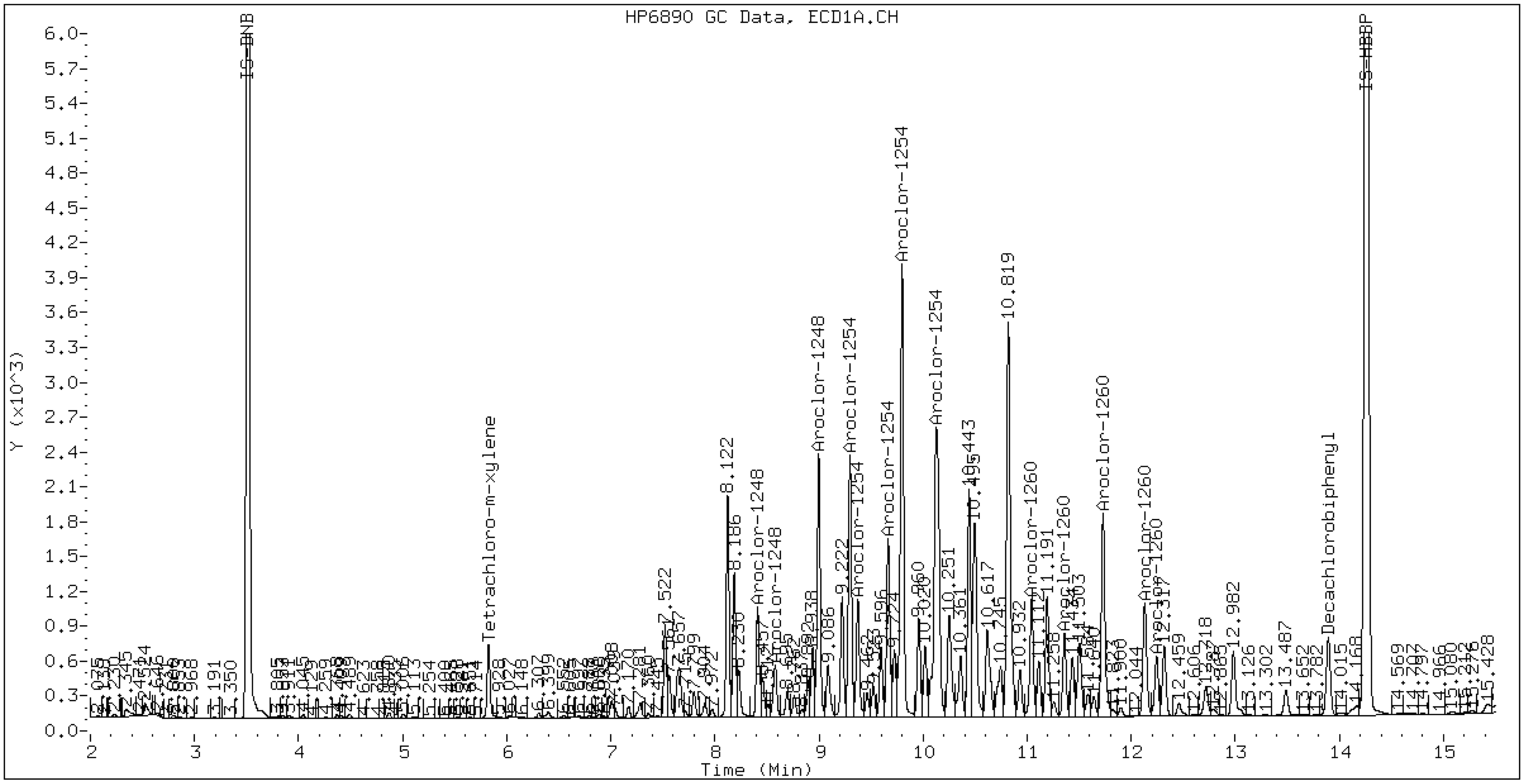
Total PCB Area Col2 (5.807 - 14.027) = 1859304 Col2 Total PCB = 0.7 ppm*

* Quantitated against AR1660 0.25ppm in Ical

PCB-Form 10 Mod.

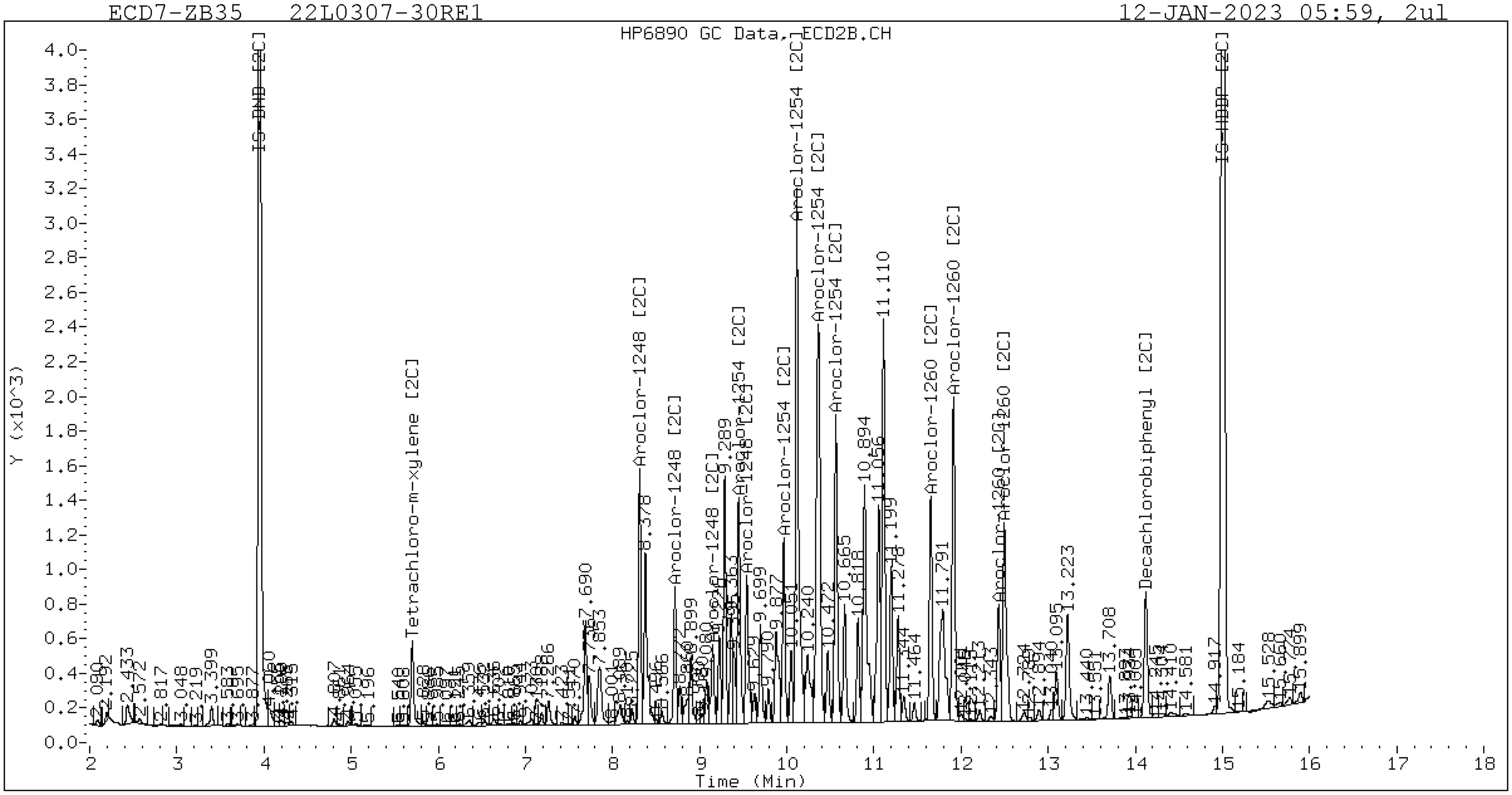
PCB Dual Column Chromatograms

ECD7-ZB5 22L0307-30RE1 12-JAN-2023 05:59, 2ul



ZB-5 Manual Integration: YES

ECD7-ZB35 22L0307-30RE1 12-JAN-2023 05:59, 2ul

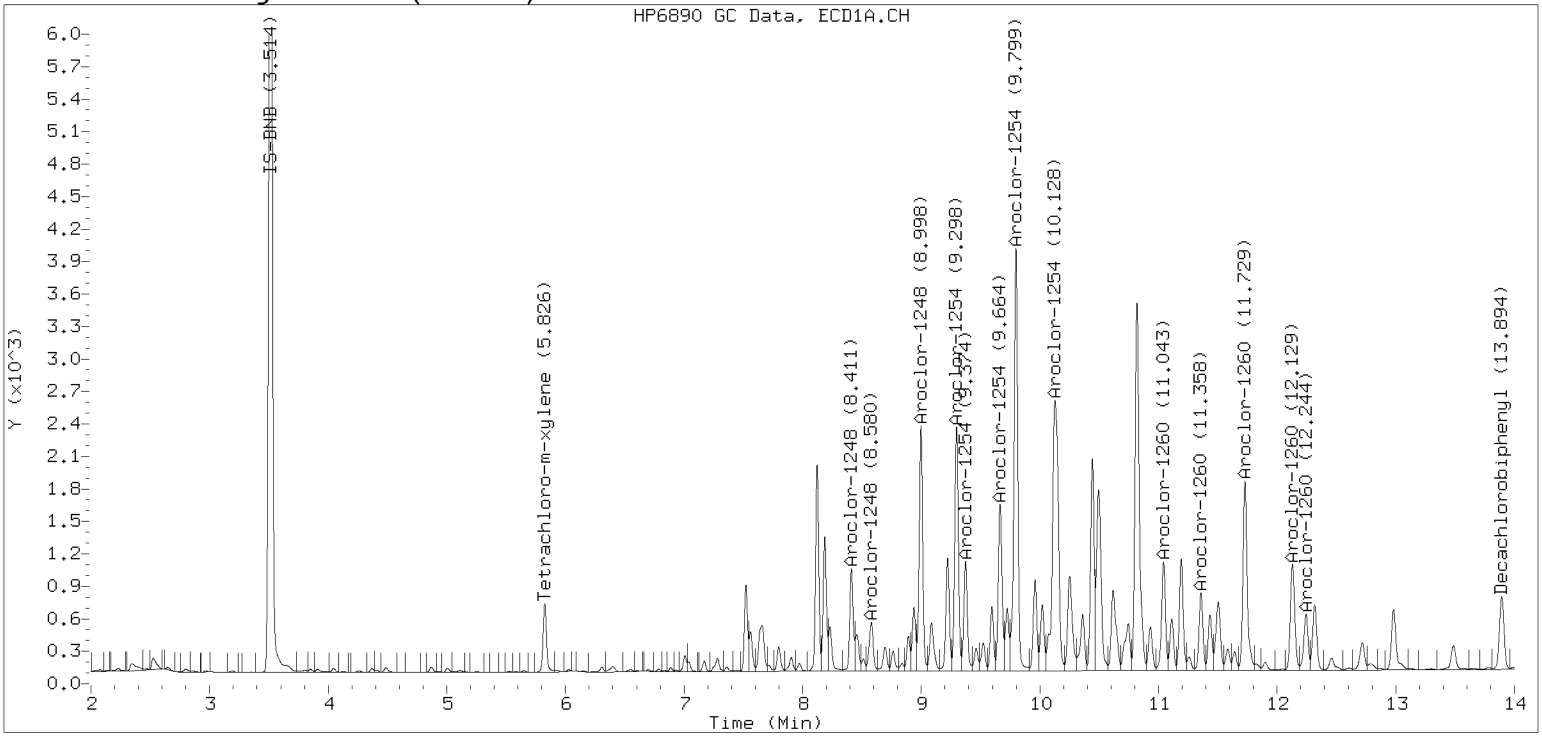


ZB-35 Manual Integration: YES

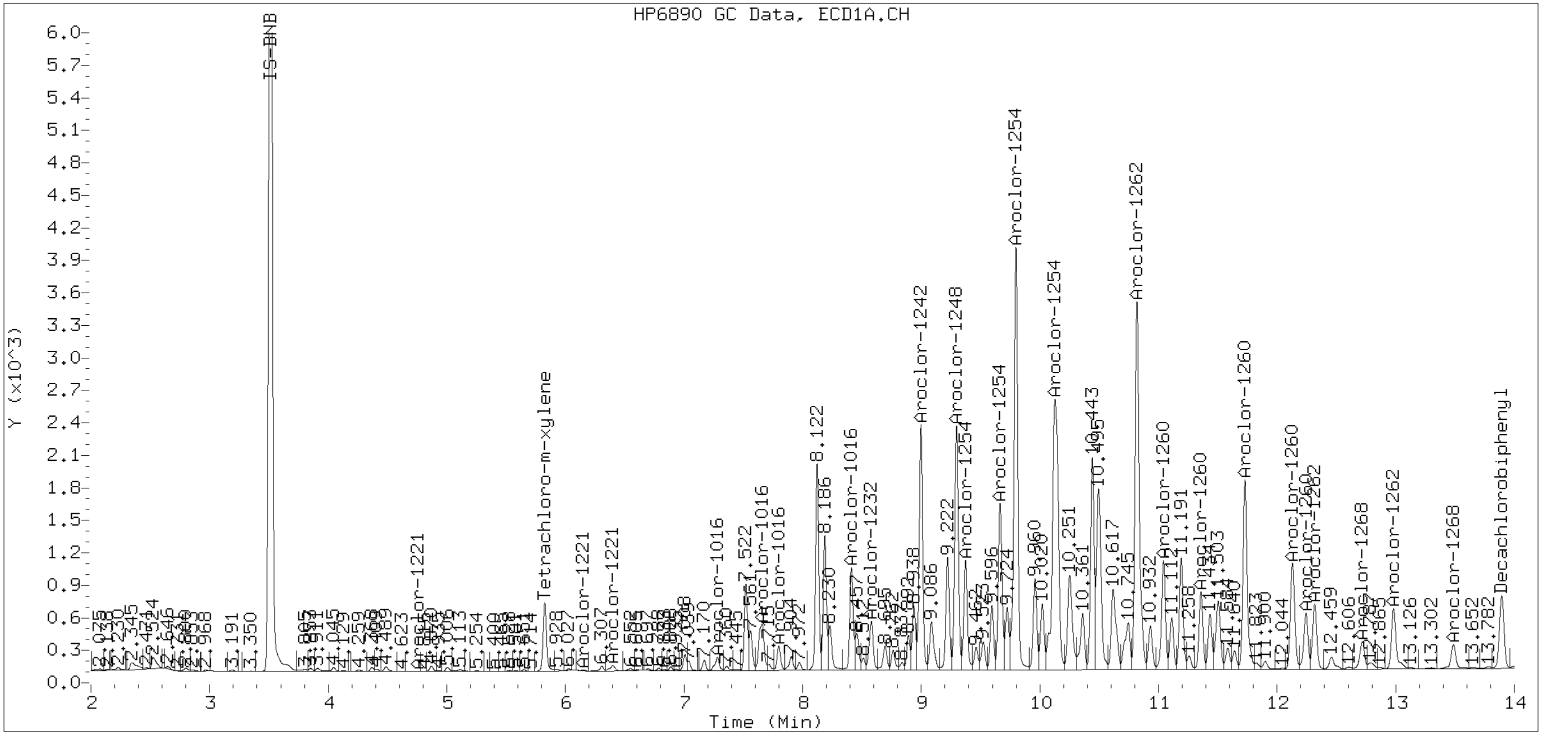
Manual Peak Adjustment, ZB-5

Datafile: ecd7.i/230111.b/01112361ECD7.D   Injection Date: 12-JAN-2023 05:59

Manual Integration (After)



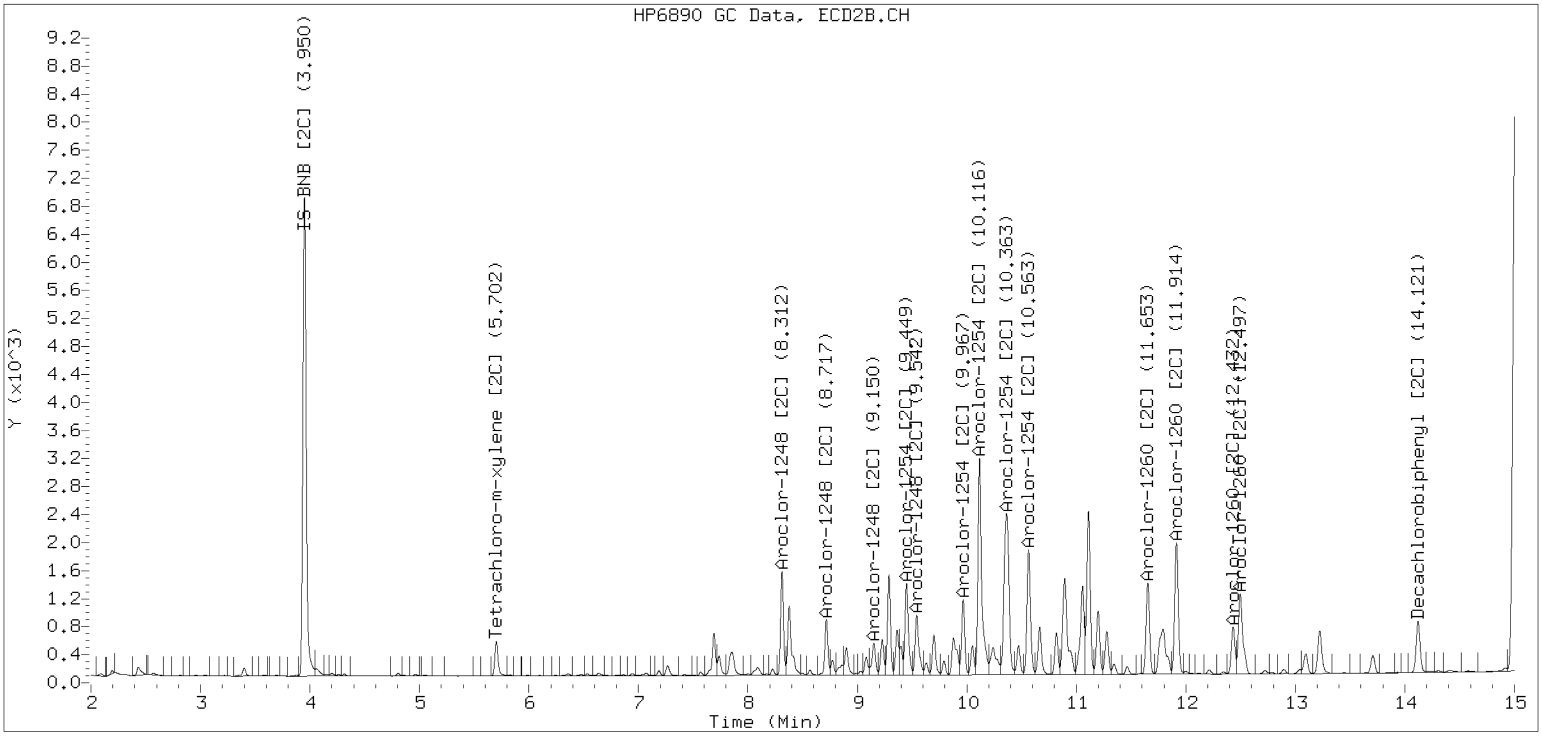
Processed Integration (Before)



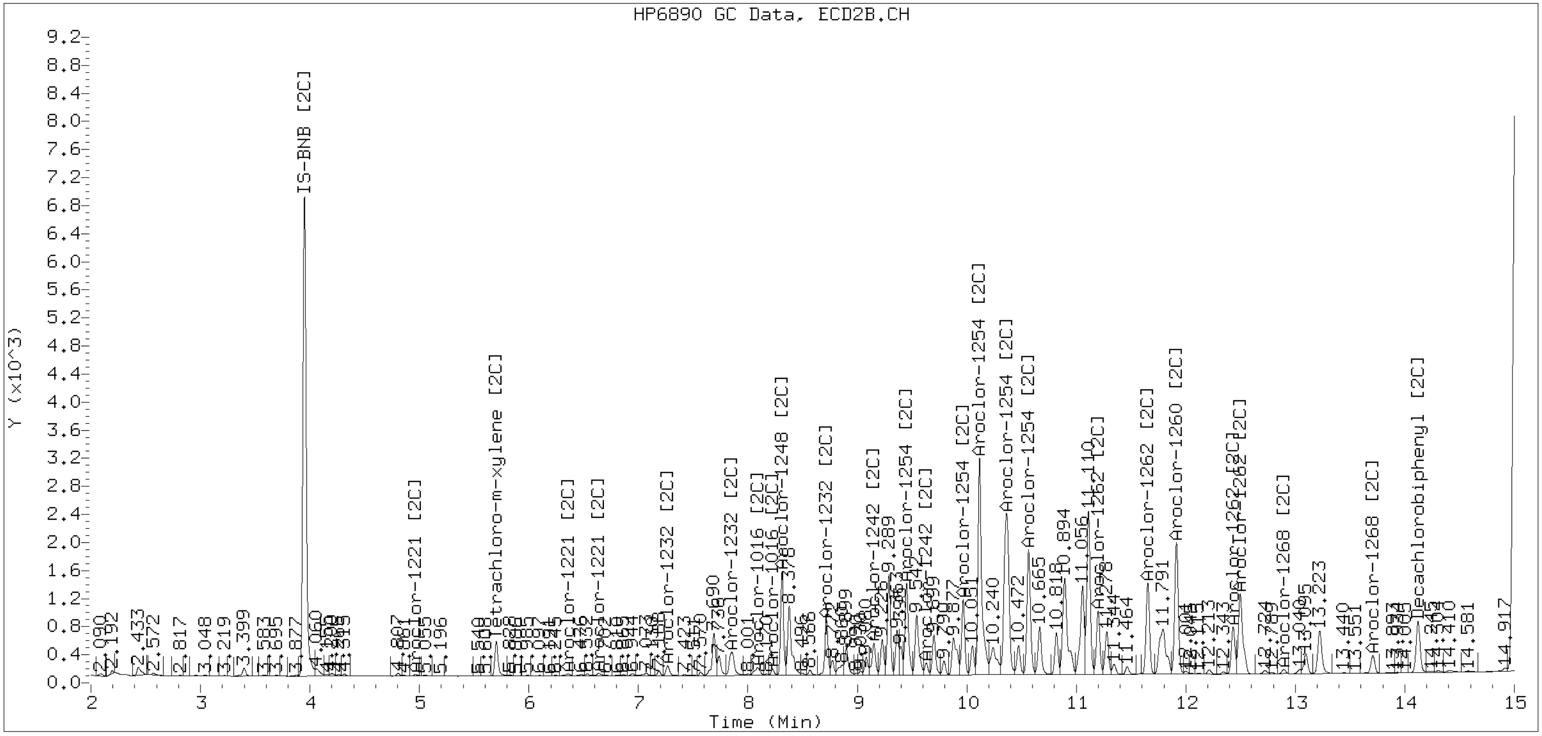
Manual Peak Adjustment, ZB-35

Datafile: ecd7.i/230111.b/230111.b/01112361ECD7.D   Injection Date: 12-JAN-2023

Manual Integration (After)



Processed Integration (Before)



LDW22-IT808C

Dual Column

ORGANIC ANALYSIS DATA SHEET
EPA 8082A

Laboratory:	Analytical Resources, LLC			SDG:	22L0307
Client:	Anchor QEA, LLC				
Project:	AOC4 UR Phase 3				
Matrix:	Solid	Laboratory ID:	22L0307-31 C	File ID:	01072341ECD7.D
Sampled:	12/12/22 09:46	Prepared:	12/28/22 14:11	Analyzed:	01/07/23 23:40
% Solids:	53.22	Preparation:	EPA 3546 (Microwave)	Initial/Final:	23.51 g Wet / 2.5 mL
Batch:	BKL0582	Sequence:	SLA0099	Calibration:	FL00010
Instrument:	ECD7	Column 1:	ZB5	Column 2:	ZB35

CAS NO.	COMPOUND	Col #	DILUTION	CONC. (ug/kg dry)	MDL	MRL	Q
12674-11-2	Aroclor 1016	1	1	4.0	1.6	4.0	U
11104-28-2	Aroclor 1221	1	1	4.0	1.6	4.0	U
11141-16-5	Aroclor 1232	1	1	4.0	1.6	4.0	U
53469-21-9	Aroclor 1242	1	1	4.0	1.6	4.0	U
12672-29-6	Aroclor 1248	1	1	4.0	1.6	4.0	U
11097-69-1	Aroclor 1254	1	1	4.0	1.6	4.0	U
11096-82-5	Aroclor 1260	1	1	4.0	0.6	4.0	U

SURROGATES	Col #	ADDED (ug/kg dry)	CONC (ug/kg dry)	% REC	QC LIMITS	Q
Decachlorobiphenyl	*1*	*7.9923*	*6.87*	*85.9*	*40 - 126*	
Tetrachlorometaxylene	*1*	*7.9923*	*4.26*	*53.3*	*44 - 120*	

```
                                Analytical Resources Inc.
                           Dual Column 608/8082 PCB Quantitation Report

 Data file 1: /230107.b/01072341ECD7.D                        ARI ID: 22L0307-31
 Data file 2: /230107.b/230107.b/01072341ECD7.D               Client ID:
 Method: \\target\share\chem4\ecd7.i\230107.b\PCB.m           Injection Date: 07-JAN-2023 23:40
 Compound Sublist: PCB.sub                                    Report Date: 01/11/2023 15:12
 Instrument, Inj. Vol.: ecd7.i, 2ul                           Matrix: NONE
 Quant Method: Internal Std                                   Dilution Factor:  1.0



                                   SURROGATES

        ZB5 Col          |        ZB35 Col         |   ZB5    ZB35
   RT    Shift Response | RT    Shift  Response  |  on col  on col    RPD   Compound/Flag
 ============================================================================================

  5.825 -0.008   131207 | 5.701  -0.008    97920|   21.3    25.1     16.4    Tetrachloro-m-xylene
 13.894 -0.010   138690 |14.121  -0.007   152647|   34.4    31.0     10.3    Decachlorobiphenyl


*  Indicates RPD > 40%



                              INTERNAL STANDARD SUMMARY

                                          Column 1
                                   Standard    Sample
                  Standard Cpnd      Area*       Area      %D
               ---------------------------------------------------
                 Bromo-Nitrobenzene    447645      434242   -3.0
                 Hexabromobiphenyl     798898      440205  -44.9

                                          Column 2
                                   Standard    Sample
                  Standard Cpnd      Area*       Area      %D
               ---------------------------------------------------
                 Bromo-Nitrobenzene    249094     284203    14.1
                 Hexabromobiphenyl     362541     346925    -4.3


                * Standard Areas taken from Initial Cal Level 3
                  Initial Calibration Date: 03-DEC-2022
               <- Indicates standard response outside Limits (-50 to +100%)
```

```
//target/share/chem4/ecd7.i/230107.b/01072341ECD7.D      22L0307-31                      page 2
                                ZB5 Col                                  ZB35 Col
 Aroclor    Peak#    RT    Shift    Area    Amount    Peak#   RT     Shift    Area   Amount
 ===========================================================================================
 Aroclor-1016 1      ---                     0.0      1      ---                    0.0
 Aroclor-1016 2      ---                     0.0      2      ---                    0.0
 Aroclor-1016 3      ---                     0.0      3      ---                    0.0
 Aroclor-1016 4      ---                     0.0      4      ---                    0.0
             Col1Ave: <3 Quant Peaks                   Col2Ave: <3 Quant Peaks

 Aroclor-1221 1      ---                     0.0      1      ---                    0.0
 Aroclor-1221 2      ---                     0.0      2      ---                    0.0
 Aroclor-1221 3      ---                     0.0      3      ---                    0.0
             Col1Ave: <3 Quant Peaks                   Col2Ave: <3 Quant Peaks

 Aroclor-1232 1      ---                     0.0      1      ---                    0.0
 Aroclor-1232 2      ---                     0.0      2      ---                    0.0
 Aroclor-1232 3      ---                     0.0      3      ---                    0.0
 Aroclor-1232 4      ---                     0.0      4      ---                    0.0
             Col1Ave: <3 Quant Peaks                   Col2Ave: <3 Quant Peaks

 Aroclor-1242 1      ---                     0.0      1      ---                    0.0
 Aroclor-1242 2      ---                     0.0      2      ---                    0.0
 Aroclor-1242 3      ---                     0.0      3      ---                    0.0
 Aroclor-1242 4      ---                     0.0      4      ---                    0.0
             Col1Ave: <3 Quant Peaks                   Col2Ave: <3 Quant Peaks

 Aroclor-1248 1      ---                     0.0      1      ---                    0.0
 Aroclor-1248 2      ---                     0.0      2      ---                    0.0
 Aroclor-1248 3      ---                     0.0      3      ---                    0.0
 Aroclor-1248 4      ---                     0.0      4      ---                    0.0
             Col1Ave: <3 Quant Peaks                   Col2Ave: <3 Quant Peaks

 Aroclor-1254 1      ---                     0.0      1      ---                    0.0
 Aroclor-1254 2      ---                     0.0      2      ---                    0.0
 Aroclor-1254 3      ---                     0.0      3      ---                    0.0
 Aroclor-1254 4      ---                     0.0      4      ---                    0.0
 Aroclor-1254 5      ---                     0.0      5      ---                    0.0
             Col1Ave: <3 Quant Peaks                   Col2Ave: <3 Quant Peaks

 Aroclor-1260 1      ---                     0.0      1      ---                    0.0
 Aroclor-1260 2      ---                     0.0      2      ---                    0.0
 Aroclor-1260 3      ---                     0.0      3      ---                    0.0
 Aroclor-1260 4      ---                     0.0      4      ---                    0.0
 Aroclor-1260 5      ---                     0.0      NS     ---                   ----
             Col1Ave: <3 Quant Peaks                   Col2Ave: <3 Quant Peaks

 Aroclor-1262 1      ---                     0.0      1      ---                    0.0
 Aroclor-1262 2      ---                     0.0      2      ---                    0.0
 Aroclor-1262 3      ---                     0.0      3      ---                    0.0
 Aroclor-1262 4      ---                     0.0      4      ---                    0.0
             Col1Ave: <3 Quant Peaks                   Col2Ave: <3 Quant Peaks

 Aroclor-1268 1      ---                     0.0      1      ---                    0.0
 Aroclor-1268 2      ---                     0.0      2      ---                    0.0
 Aroclor-1268 3      ---                     0.0      3      ---                    0.0
 Aroclor-1268 4      ---                     0.0      4      ---                    0.0
             Col1Ave: <3 Quant Peaks                   Col2Ave: <3 Quant Peaks




 Total PCB Area Col1 (5.933 - 13.804) =     147533     Col1 Total PCB = 0.0 ppm*
```

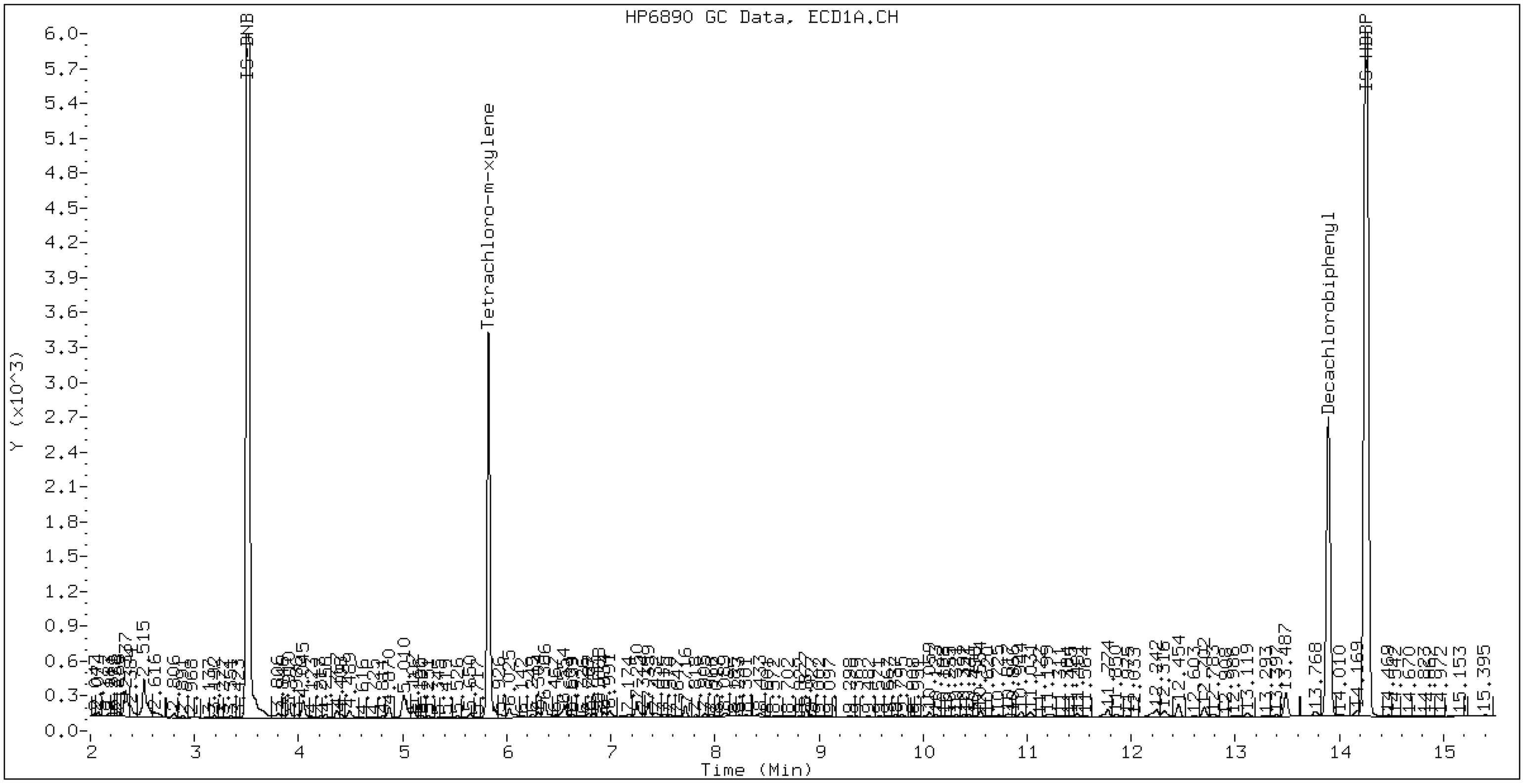
```
Total PCB Area Col2 (5.809 - 14.028) =     130201     Col2 Total PCB = 0.0 ppm*

  *  Quantitated against AR1660 0.25ppm in Ical

                                    PCB-Form 10 Mod.
```

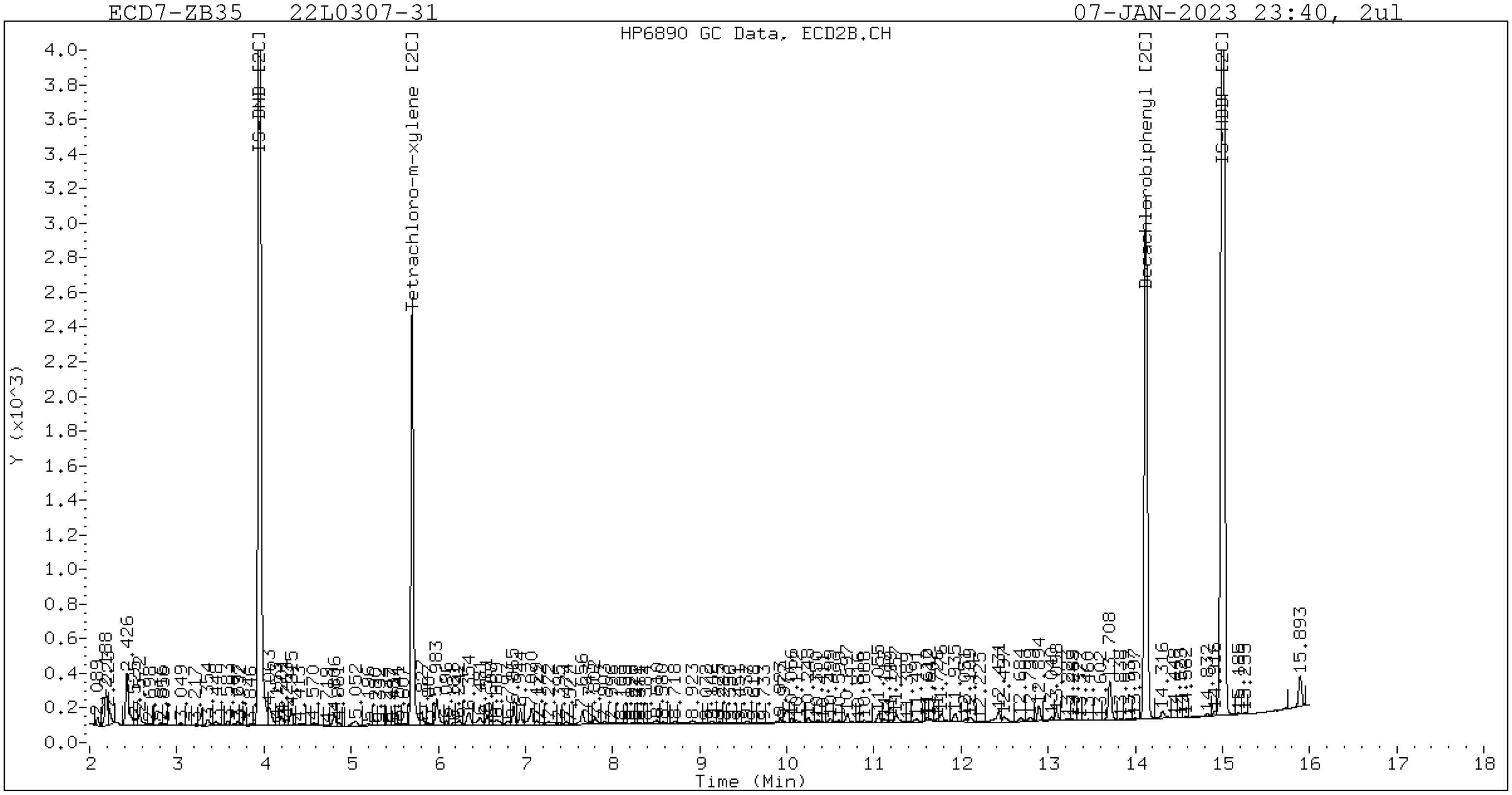
PCB Dual Column Chromatograms

ECD7-ZB5 22L0307-31 07-JAN-2023 23:40, 2ul



ZB-5 Manual Integration: NO

ECD7-ZB35 22L0307-31 07-JAN-2023 23:40, 2ul



ZB-35 Manual Integration: NO

LDW22-IT808D

Dual Column

ORGANIC ANALYSIS DATA SHEET
EPA 8082A

Laboratory:	Analytical Resources, LLC			SDG:	22L0307
Client:	Anchor QEA, LLC				
Project:	AOC4 UR Phase 3				
Matrix:	Solid	Laboratory ID:	22L0307-32 C	File ID:	01072342ECD7.D
Sampled:	12/12/22 09:46	Prepared:	12/28/22 14:11	Analyzed:	01/08/23 00:01
% Solids:	59.27	Preparation:	EPA 3546 (Microwave)	Initial/Final:	21.11 g Wet / 2.5 mL
Batch:	BKL0582	Sequence:	SLA0099	Calibration:	FL00010
Instrument:	ECD7	Column 1:	ZB5	Column 2:	ZB35

CAS NO.	COMPOUND	Col #	DILUTION	CONC. (ug/kg dry)	MDL	MRL	Q
12674-11-2	Aroclor 1016	1	1	4.0	1.6	4.0	U
11104-28-2	Aroclor 1221	1	1	4.0	1.6	4.0	U
11141-16-5	Aroclor 1232	1	1	4.0	1.6	4.0	U
53469-21-9	Aroclor 1242	1	1	4.0	1.6	4.0	U
12672-29-6	Aroclor 1248	1	1	4.0	1.6	4.0	U
11097-69-1	Aroclor 1254	1	1	4.0	1.6	4.0	U
11096-82-5	Aroclor 1260	1	1	4.0	0.6	4.0	U

SURROGATES	Col #	ADDED (ug/kg dry)	CONC (ug/kg dry)	% REC	QC LIMITS	Q
Decachlorobiphenyl	*1*	*7.9924*	*6.87*	*85.9*	*40 - 126*	
Tetrachlorometaxylene	*1*	*7.9924*	*4.17*	*52.2*	*44 - 120*	

```
                              Analytical Resources Inc.
                         Dual Column 608/8082 PCB Quantitation Report

Data file 1: /230107.b/01072342ECD7.D                    ARI ID: 22L0307-32
Data file 2: /230107.b/230107.b/01072342ECD7.D           Client ID:
Method: \\target\share\chem4\ecd7.i\230107.b\PCB.m       Injection Date: 08-JAN-2023 00:01
Compound Sublist: PCB.sub                                Report Date: 01/11/2023 15:12
Instrument, Inj. Vol.: ecd7.i, 2ul                       Matrix: NONE
Quant Method: Internal Std                               Dilution Factor:  1.0



                                 SURROGATES

       ZB5 Col         |       ZB35 Col         |   ZB5    ZB35
  RT    Shift Response | RT    Shift  Response  |  on col  on col    RPD   Compound/Flag
==========================================================================================

 5.827 -0.007   135772 | 5.703  -0.006    99689|   20.9    24.5     16.0    Tetrachloro-m-xylene
13.896 -0.008   145905 |14.121  -0.007   157881|   34.4    30.7     11.2    Decachlorobiphenyl


*  Indicates RPD > 40%




                            INTERNAL STANDARD SUMMARY

                                        Column 1
                                 Standard    Sample
              Standard Cpnd        Area*       Area      %D
            --------------------------------------------------
              Bromo-Nitrobenzene    447645      458806    2.5
              Hexabromobiphenyl     798898      463130  -42.0

                                        Column 2
                                 Standard    Sample
              Standard Cpnd        Area*       Area      %D
            --------------------------------------------------
              Bromo-Nitrobenzene    249094     296803    19.2
              Hexabromobiphenyl     362541     361772    -0.2


             * Standard Areas taken from Initial Cal Level 3
               Initial Calibration Date: 03-DEC-2022
            <- Indicates standard response outside Limits (-50 to +100%)
```

```
                            ZB5 Col                          ZB35 Col
Aroclor   Peak#    RT    Shift    Area    Amount    Peak#   RT     Shift    Area   Amount
========================================================================================
Aroclor-1016 1      ---                     0.0      1     ---                      0.0
Aroclor-1016 2      ---                     0.0      2     ---                      0.0
Aroclor-1016 3      ---                     0.0      3     ---                      0.0
Aroclor-1016 4      ---                     0.0      4     ---                      0.0
            Col1Ave: <3 Quant Peaks                   Col2Ave: <3 Quant Peaks

Aroclor-1221 1      ---                     0.0      1     ---                      0.0
Aroclor-1221 2      ---                     0.0      2     ---                      0.0
Aroclor-1221 3      ---                     0.0      3     ---                      0.0
            Col1Ave: <3 Quant Peaks                   Col2Ave: <3 Quant Peaks

Aroclor-1232 1      ---                     0.0      1     ---                      0.0
Aroclor-1232 2      ---                     0.0      2     ---                      0.0
Aroclor-1232 3      ---                     0.0      3     ---                      0.0
Aroclor-1232 4      ---                     0.0      4     ---                      0.0
            Col1Ave: <3 Quant Peaks                   Col2Ave: <3 Quant Peaks

Aroclor-1242 1      ---                     0.0      1     ---                      0.0
Aroclor-1242 2      ---                     0.0      2     ---                      0.0
Aroclor-1242 3      ---                     0.0      3     ---                      0.0
Aroclor-1242 4      ---                     0.0      4     ---                      0.0
            Col1Ave: <3 Quant Peaks                   Col2Ave: <3 Quant Peaks

Aroclor-1248 1      ---                     0.0      1     ---                      0.0
Aroclor-1248 2      ---                     0.0      2     ---                      0.0
Aroclor-1248 3      ---                     0.0      3     ---                      0.0
Aroclor-1248 4      ---                     0.0      4     ---                      0.0
            Col1Ave: <3 Quant Peaks                   Col2Ave: <3 Quant Peaks

Aroclor-1254 1      ---                     0.0      1     ---                      0.0
Aroclor-1254 2      ---                     0.0      2     ---                      0.0
Aroclor-1254 3      ---                     0.0      3     ---                      0.0
Aroclor-1254 4      ---                     0.0      4     ---                      0.0
Aroclor-1254 5      ---                     0.0      5     ---                      0.0
            Col1Ave: <3 Quant Peaks                   Col2Ave: <3 Quant Peaks

Aroclor-1260 1      ---                     0.0      1     ---                      0.0
Aroclor-1260 2      ---                     0.0      2     ---                      0.0
Aroclor-1260 3      ---                     0.0      3     ---                      0.0
Aroclor-1260 4      ---                     0.0      4     ---                      0.0
Aroclor-1260 5      ---                     0.0      NS    ---                     ----
            Col1Ave: <3 Quant Peaks                   Col2Ave: <3 Quant Peaks

Aroclor-1262 1      ---                     0.0      1     ---                      0.0
Aroclor-1262 2      ---                     0.0      2     ---                      0.0
Aroclor-1262 3      ---                     0.0      3     ---                      0.0
Aroclor-1262 4      ---                     0.0      4     ---                      0.0
            Col1Ave: <3 Quant Peaks                   Col2Ave: <3 Quant Peaks

Aroclor-1268 1      ---                     0.0      1     ---                      0.0
Aroclor-1268 2      ---                     0.0      2     ---                      0.0
Aroclor-1268 3      ---                     0.0      3     ---                      0.0
Aroclor-1268 4      ---                     0.0      4     ---                      0.0
            Col1Ave: <3 Quant Peaks                   Col2Ave: <3 Quant Peaks




Total PCB Area Col1 (5.933 - 13.804) =     164914     Col1 Total PCB = 0.0 ppm*
```

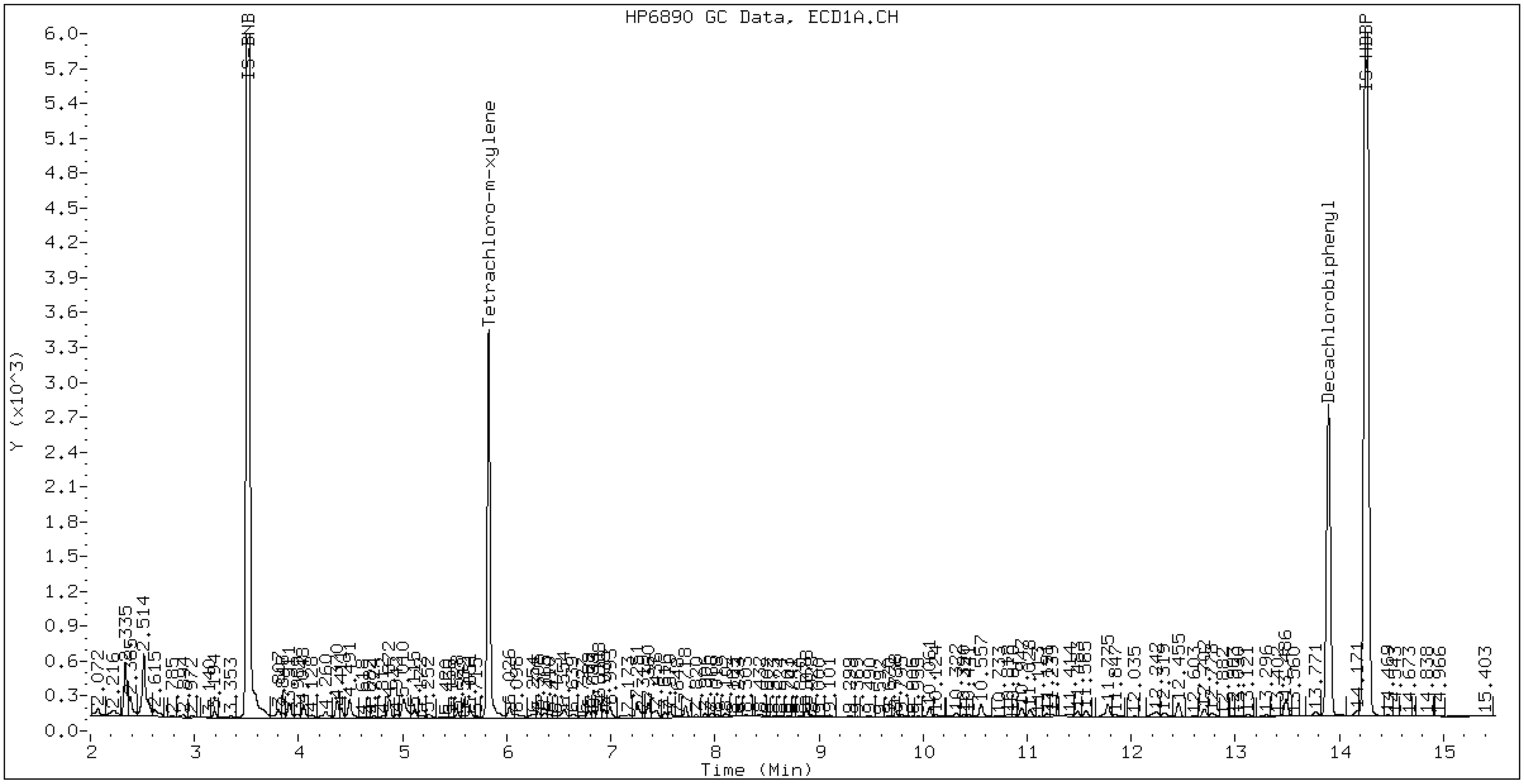
Total PCB Area Col2 (5.809 - 14.028) = 143940 Col2 Total PCB = 0.1 ppm*

* Quantitated against AR1660 0.25ppm in Ical

PCB-Form 10 Mod.

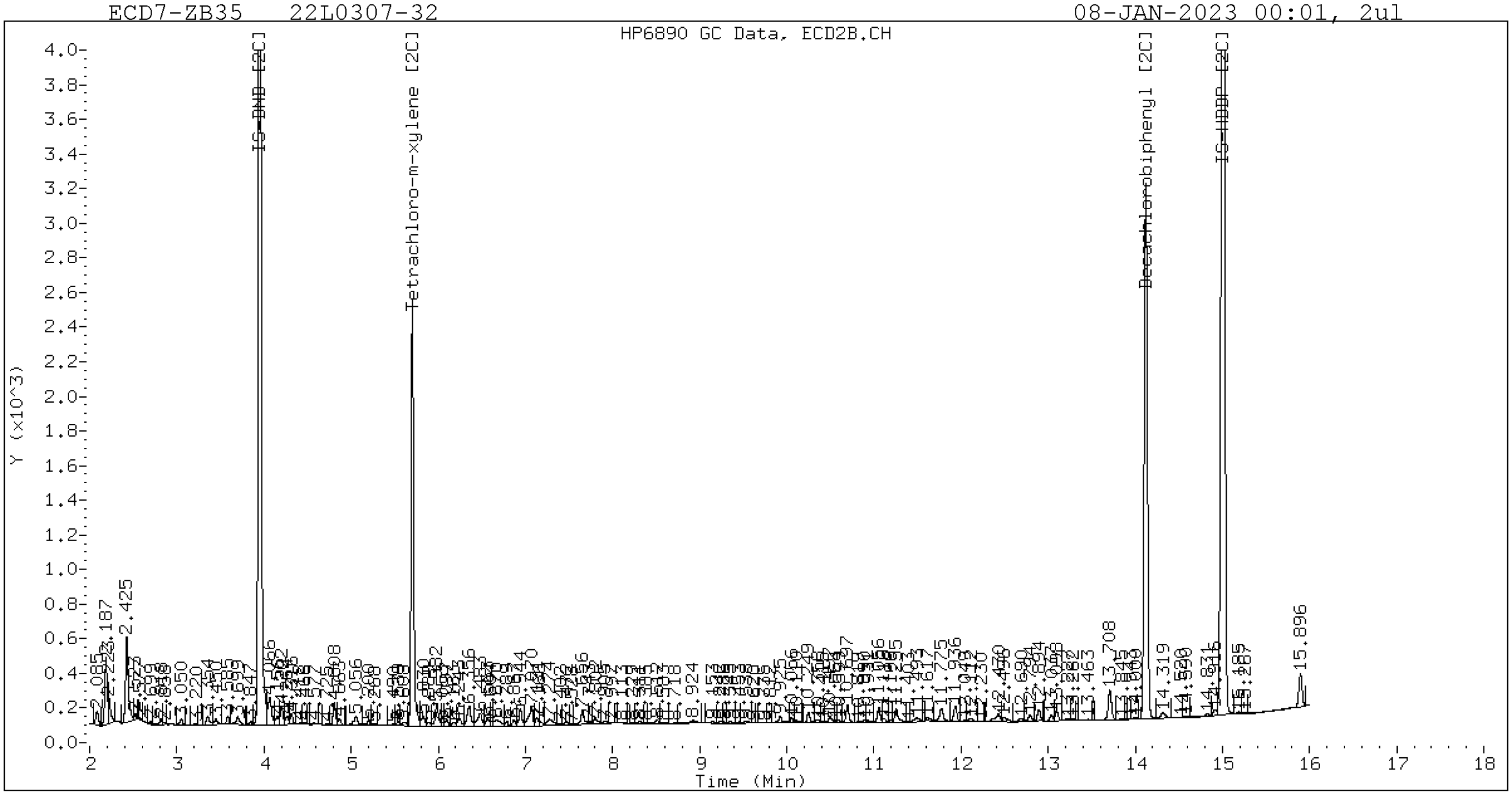
PCB Dual Column Chromatograms

ECD7-ZB5 22L0307-32 08-JAN-2023 00:01, 2ul



ZB-5 Manual Integration: NO

ECD7-ZB35 22L0307-32 08-JAN-2023 00:01, 2ul



ZB-35 Manual Integration: NO

LDW22-IT808E

Dual Column

ORGANIC ANALYSIS DATA SHEET
EPA 8082A

Laboratory: Analytical Resources, LLC
SDG: 22L0307
Client: Anchor QEA, LLC
Project: AOC4 UR Phase 3
Matrix: Solid
Laboratory ID: 22L0307-33 C
File ID: 01072343ECD7.D
Sampled: 12/12/22 09:46
Prepared: 12/28/22 14:11
Analyzed: 01/08/23 00:22
% Solids: 80.29
Preparation: EPA 3546 (Microwave)
Initial/Final: 15.57 g Wet / 2.5 mL
Batch: BKL0582
Sequence: SLA0099
Calibration: FL00010
Instrument: ECD7
Column 1: ZB5
Column 2: ZB35

CAS NO.	COMPOUND	Col #	DILUTION	CONC. (ug/kg dry)	MDL	MRL	Q
12674-11-2	Aroclor 1016	1	1	4.0	1.6	4.0	U
11104-28-2	Aroclor 1221	1	1	4.0	1.6	4.0	U
11141-16-5	Aroclor 1232	1	1	4.0	1.6	4.0	U
53469-21-9	Aroclor 1242	1	1	4.0	1.6	4.0	U
12672-29-6	Aroclor 1248	1	1	4.0	1.6	4.0	U
11097-69-1	Aroclor 1254	1	1	4.0	1.6	4.0	U
11096-82-5	Aroclor 1260	1	1	4.0	0.6	4.0	U

SURROGATES	Col #	ADDED (ug/kg dry)	CONC (ug/kg dry)	% REC	QC LIMITS	Q
Decachlorobiphenyl	*1*	*7.9993*	*8.02*	*100*	*40 - 126*	
Tetrachlorometaxylene	*1*	*7.9993*	*6.23*	*77.9*	*44 - 120*	

```
                         Analytical Resources Inc.
                    Dual Column 608/8082 PCB Quantitation Report

Data file 1: /230107.b/01072343ECD7.D                    ARI ID: 22L0307-33
Data file 2: /230107.b/230107.b/01072343ECD7.D           Client ID:
Method: \\target\share\chem4\ecd7.i\230107.b\PCB.m       Injection Date: 08-JAN-2023 00:22
Compound Sublist: PCB.sub                                Report Date: 01/11/2023 15:12
Instrument, Inj. Vol.: ecd7.i, 2ul                       Matrix: NONE
Quant Method: Internal Std                               Dilution Factor:  1.0



                                 SURROGATES

       ZB5 Col          |       ZB35 Col         |   ZB5    ZB35
  RT    Shift Response | RT    Shift  Response  |  on col  on col    RPD   Compound/Flag
===========================================================================================

 5.830 -0.003   212974 | 5.706  -0.003   139479|   31.2    29.1      6.7    Tetrachloro-m-xylene
13.900 -0.004   297653 |14.125  -0.003   283879|   40.1    39.3      1.9    Decachlorobiphenyl


*  Indicates RPD > 40%




                             INTERNAL STANDARD SUMMARY

                                         Column 1
                                  Standard    Sample
                 Standard Cpnd      Area*       Area      %D
              -------------------------------------------------
                Bromo-Nitrobenzene    447645      482211    7.7
                Hexabromobiphenyl     798898      809726    1.4

                                         Column 2
                                  Standard    Sample
                 Standard Cpnd      Area*       Area      %D
              -------------------------------------------------
                Bromo-Nitrobenzene    249094     349078    40.1
                Hexabromobiphenyl     362541     508324    40.2


               * Standard Areas taken from Initial Cal Level 3
                 Initial Calibration Date: 03-DEC-2022
              <- Indicates standard response outside Limits (-50 to +100%)
```

```
                              ZB5 Col                              ZB35 Col
 Aroclor   Peak#    RT    Shift    Area    Amount    Peak#   RT     Shift    Area   Amount
 ===================================================================================
 Aroclor-1016 1      ---                     0.0      1     ---                     0.0
 Aroclor-1016 2      ---                     0.0      2     ---                     0.0
 Aroclor-1016 3      ---                     0.0      3     ---                     0.0
 Aroclor-1016 4      ---                     0.0      4     ---                     0.0
            Col1Ave: <3 Quant Peaks                   Col2Ave: <3 Quant Peaks

 Aroclor-1221 1      ---                     0.0      1     ---                     0.0
 Aroclor-1221 2      ---                     0.0      2     ---                     0.0
 Aroclor-1221 3      ---                     0.0      3     ---                     0.0
            Col1Ave: <3 Quant Peaks                   Col2Ave: <3 Quant Peaks

 Aroclor-1232 1      ---                     0.0      1     ---                     0.0
 Aroclor-1232 2      ---                     0.0      2     ---                     0.0
 Aroclor-1232 3      ---                     0.0      3     ---                     0.0
 Aroclor-1232 4      ---                     0.0      4     ---                     0.0
            Col1Ave: <3 Quant Peaks                   Col2Ave: <3 Quant Peaks

 Aroclor-1242 1      ---                     0.0      1     ---                     0.0
 Aroclor-1242 2      ---                     0.0      2     ---                     0.0
 Aroclor-1242 3      ---                     0.0      3     ---                     0.0
 Aroclor-1242 4      ---                     0.0      4     ---                     0.0
            Col1Ave: <3 Quant Peaks                   Col2Ave: <3 Quant Peaks

 Aroclor-1248 1      ---                     0.0      1     ---                     0.0
 Aroclor-1248 2      ---                     0.0      2     ---                     0.0
 Aroclor-1248 3      ---                     0.0      3     ---                     0.0
 Aroclor-1248 4      ---                     0.0      4     ---                     0.0
            Col1Ave: <3 Quant Peaks                   Col2Ave: <3 Quant Peaks

 Aroclor-1254 1      ---                     0.0      1     ---                     0.0
 Aroclor-1254 2      ---                     0.0      2     ---                     0.0
 Aroclor-1254 3      ---                     0.0      3     ---                     0.0
 Aroclor-1254 4      ---                     0.0      4     ---                     0.0
 Aroclor-1254 5      ---                     0.0      5     ---                     0.0
            Col1Ave: <3 Quant Peaks                   Col2Ave: <3 Quant Peaks

 Aroclor-1260 1      ---                     0.0      1     ---                     0.0
 Aroclor-1260 2      ---                     0.0      2     ---                     0.0
 Aroclor-1260 3      ---                     0.0      3     ---                     0.0
 Aroclor-1260 4      ---                     0.0      4     ---                     0.0
 Aroclor-1260 5      ---                     0.0      NS    ---                    ----
            Col1Ave: <3 Quant Peaks                   Col2Ave: <3 Quant Peaks

 Aroclor-1262 1      ---                     0.0      1     ---                     0.0
 Aroclor-1262 2      ---                     0.0      2     ---                     0.0
 Aroclor-1262 3      ---                     0.0      3     ---                     0.0
 Aroclor-1262 4      ---                     0.0      4     ---                     0.0
            Col1Ave: <3 Quant Peaks                   Col2Ave: <3 Quant Peaks

 Aroclor-1268 1      ---                     0.0      1     ---                     0.0
 Aroclor-1268 2      ---                     0.0      2     ---                     0.0
 Aroclor-1268 3      ---                     0.0      3     ---                     0.0
 Aroclor-1268 4      ---                     0.0      4     ---                     0.0
            Col1Ave: <3 Quant Peaks                   Col2Ave: <3 Quant Peaks




 Total PCB Area Col1 (5.933 - 13.804) =      45448     Col1 Total PCB = 0.0 ppm*
```

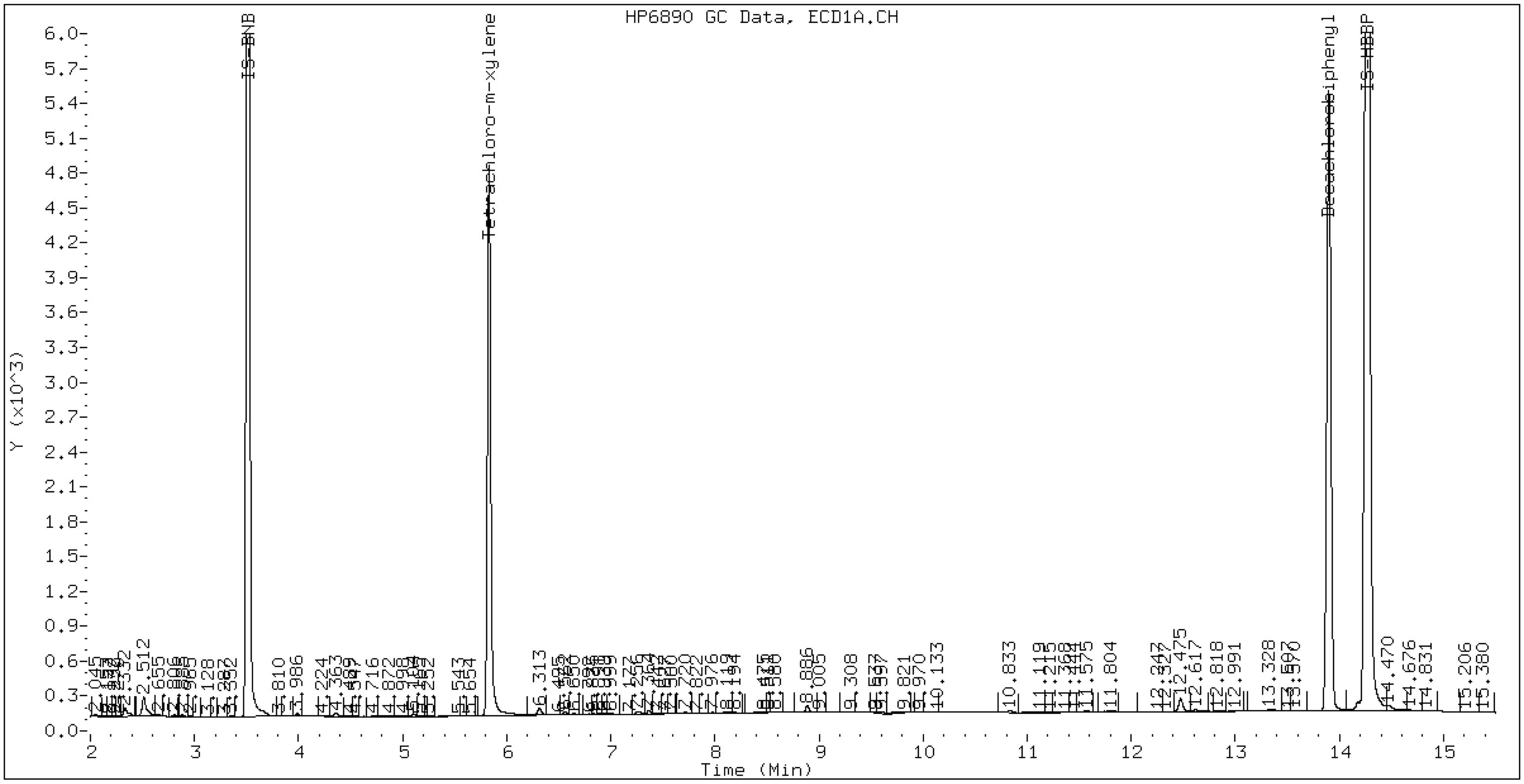
```
Total PCB Area Col2 (5.809 - 14.028) =      27678     Col2 Total PCB = 0.0 ppm*

  *  Quantitated against AR1660 0.25ppm in Ical

                                    PCB-Form 10 Mod.
```

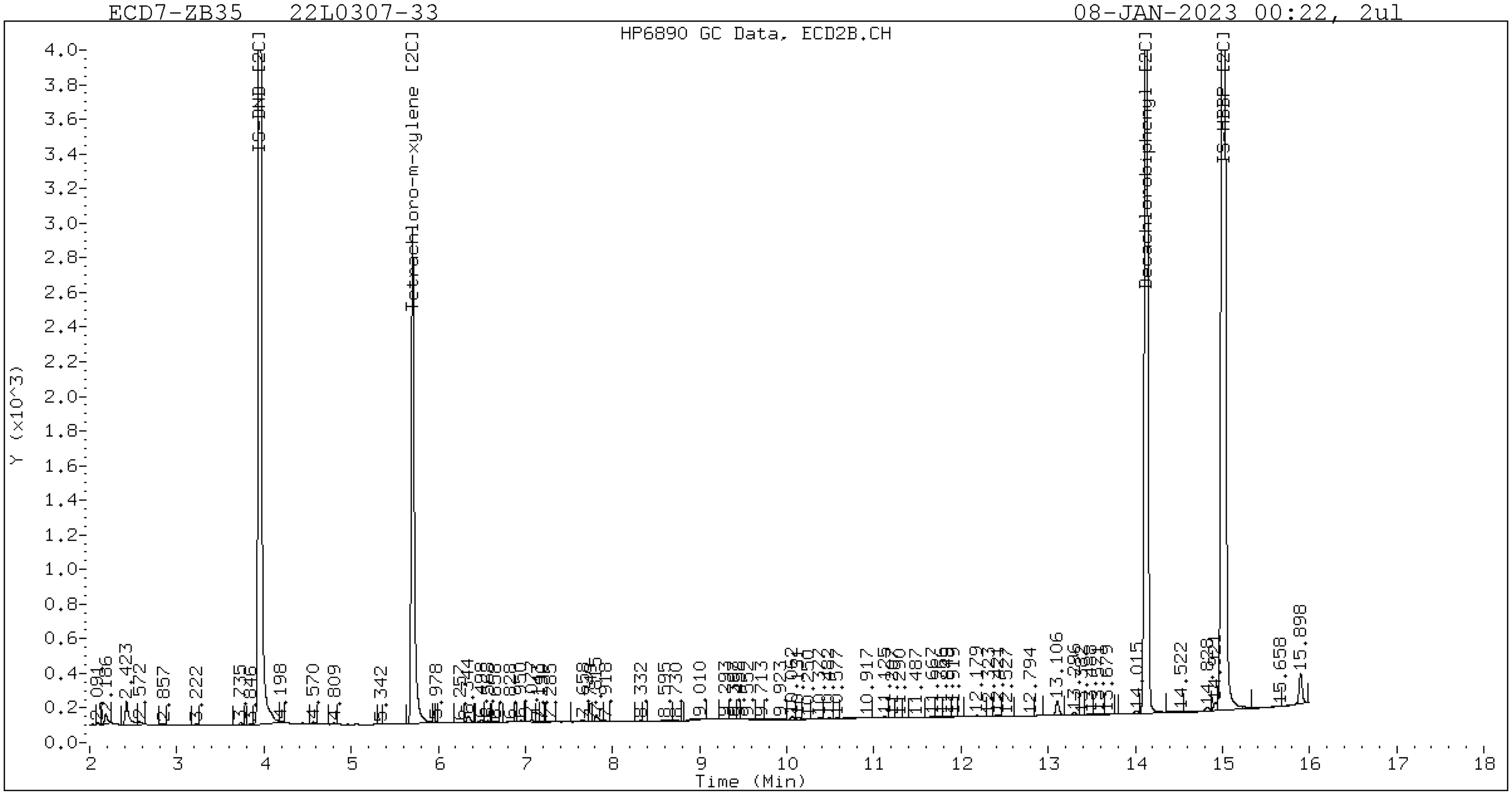
PCB Dual Column Chromatograms

ECD7-ZB5 22L0307-33 08-JAN-2023 00:22, 2ul



ZB-5 Manual Integration: NO

ECD7-ZB35 22L0307-33 08-JAN-2023 00:22, 2ul



ZB-35 Manual Integration: NO

LDW22-IT808F

Dual Column

ORGANIC ANALYSIS DATA SHEET
EPA 8082A

Laboratory:	Analytical Resources, LLC			SDG:	22L0307
Client:	Anchor QEA, LLC				
Project:	AOC4 UR Phase 3				
Matrix:	Solid	Laboratory ID:	22L0307-34 C	File ID:	01072346ECD7.D
Sampled:	12/12/22 09:46	Prepared:	12/28/22 14:11	Analyzed:	01/08/23 01:25
% Solids:	79.80	Preparation:	EPA 3546 (Microwave)	Initial/Final:	15.67 g Wet / 2.5 mL
Batch:	BKL0582	Sequence:	SLA0099	Calibration:	FL00010
Instrument:	ECD7	Column 1:	ZB5	Column 2:	ZB35

CAS NO.	COMPOUND	Col #	DILUTION	CONC. (ug/kg dry)	MDL	MRL	Q
12674-11-2	Aroclor 1016	1	1	4.0	1.6	4.0	U
11104-28-2	Aroclor 1221	1	1	4.0	1.6	4.0	U
11141-16-5	Aroclor 1232	1	1	4.0	1.6	4.0	U
53469-21-9	Aroclor 1242	1	1	4.0	1.6	4.0	U
12672-29-6	Aroclor 1248	1	1	4.0	1.6	4.0	U
11097-69-1	Aroclor 1254	1	1	4.0	1.6	4.0	U
11096-82-5	Aroclor 1260	1	1	4.0	0.6	4.0	U

SURROGATES	Col #	ADDED (ug/kg dry)	CONC (ug/kg dry)	% REC	QC LIMITS	Q
Decachlorobiphenyl	*1*	*7.9970*	*8.84*	*111*	*40 - 126*	
Tetrachlorometaxylene	*1*	*7.9970*	*7.08*	*88.5*	*44 - 120*	

```
                               Analytical Resources Inc.
                          Dual Column 608/8082 PCB Quantitation Report

Data file 1: /230107.b/01072346ECD7.D                        ARI ID: 22L0307-34
Data file 2: /230107.b/230107.b/01072346ECD7.D               Client ID:
Method: \\target\share\chem4\ecd7.i\230107.b\PCB.m           Injection Date: 08-JAN-2023 01:25
Compound Sublist: PCB.sub                                    Report Date: 01/11/2023 15:12
Instrument, Inj. Vol.: ecd7.i, 2ul                           Matrix: NONE
Quant Method: Internal Std                                   Dilution Factor:  1.0



                                  SURROGATES

       ZB5 Col          |       ZB35 Col          |   ZB5    ZB35
  RT    Shift Response | RT    Shift  Response  |  on col  on col    RPD   Compound/Flag
=========================================================================================

 5.830 -0.003   240174 | 5.707  -0.002   158852|   35.4    33.8      4.5    Tetrachloro-m-xylene
13.898 -0.006   329152 |14.123  -0.005   311917|   44.2    43.3      2.1    Decachlorobiphenyl


*  Indicates RPD > 40%



                             INTERNAL STANDARD SUMMARY

                                         Column 1
                                  Standard    Sample
                 Standard Cpnd      Area*       Area      %D
              --------------------------------------------------
                Bromo-Nitrobenzene    447645      478759    7.0
                Hexabromobiphenyl     798898      811838    1.6

                                         Column 2
                                  Standard    Sample
                 Standard Cpnd      Area*       Area      %D
              --------------------------------------------------
                Bromo-Nitrobenzene    249094     342433    37.5
                Hexabromobiphenyl     362541     507195    39.9


               * Standard Areas taken from Initial Cal Level 3
                 Initial Calibration Date: 03-DEC-2022
              <- Indicates standard response outside Limits (-50 to +100%)
```

```
//target/share/chem4/ecd7.i/230107.b/01072346ECD7.D      22L0307-34                        page 2
                               ZB5 Col                                  ZB35 Col
 Aroclor   Peak#    RT    Shift    Area    Amount    Peak#   RT     Shift    Area   Amount
 ==================================================================================
 Aroclor-1016 1      ---                     0.0      1     ---                      0.0
 Aroclor-1016 2      ---                     0.0      2     ---                      0.0
 Aroclor-1016 3      ---                     0.0      3     ---                      0.0
 Aroclor-1016 4      ---                     0.0      4     ---                      0.0
             Col1Ave: <3 Quant Peaks                   Col2Ave: <3 Quant Peaks

 Aroclor-1221 1      ---                     0.0      1     ---                      0.0
 Aroclor-1221 2      ---                     0.0      2     ---                      0.0
 Aroclor-1221 3      ---                     0.0      3     ---                      0.0
             Col1Ave: <3 Quant Peaks                   Col2Ave: <3 Quant Peaks

 Aroclor-1232 1      ---                     0.0      1     ---                      0.0
 Aroclor-1232 2      ---                     0.0      2     ---                      0.0
 Aroclor-1232 3      ---                     0.0      3     ---                      0.0
 Aroclor-1232 4      ---                     0.0      4     ---                      0.0
             Col1Ave: <3 Quant Peaks                   Col2Ave: <3 Quant Peaks

 Aroclor-1242 1      ---                     0.0      1     ---                      0.0
 Aroclor-1242 2      ---                     0.0      2     ---                      0.0
 Aroclor-1242 3      ---                     0.0      3     ---                      0.0
 Aroclor-1242 4      ---                     0.0      4     ---                      0.0
             Col1Ave: <3 Quant Peaks                   Col2Ave: <3 Quant Peaks

 Aroclor-1248 1      ---                     0.0      1     ---                      0.0
 Aroclor-1248 2      ---                     0.0      2     ---                      0.0
 Aroclor-1248 3      ---                     0.0      3     ---                      0.0
 Aroclor-1248 4      ---                     0.0      4     ---                      0.0
             Col1Ave: <3 Quant Peaks                   Col2Ave: <3 Quant Peaks

 Aroclor-1254 1      ---                     0.0      1     ---                      0.0
 Aroclor-1254 2      ---                     0.0      2     ---                      0.0
 Aroclor-1254 3      ---                     0.0      3     ---                      0.0
 Aroclor-1254 4      ---                     0.0      4     ---                      0.0
 Aroclor-1254 5      ---                     0.0      5     ---                      0.0
             Col1Ave: <3 Quant Peaks                   Col2Ave: <3 Quant Peaks

 Aroclor-1260 1      ---                     0.0      1     ---                      0.0
 Aroclor-1260 2      ---                     0.0      2     ---                      0.0
 Aroclor-1260 3      ---                     0.0      3     ---                      0.0
 Aroclor-1260 4      ---                     0.0      4     ---                      0.0
 Aroclor-1260 5      ---                     0.0      NS    ---                     ----
             Col1Ave: <3 Quant Peaks                   Col2Ave: <3 Quant Peaks

 Aroclor-1262 1      ---                     0.0      1     ---                      0.0
 Aroclor-1262 2      ---                     0.0      2     ---                      0.0
 Aroclor-1262 3      ---                     0.0      3     ---                      0.0
 Aroclor-1262 4      ---                     0.0      4     ---                      0.0
             Col1Ave: <3 Quant Peaks                   Col2Ave: <3 Quant Peaks

 Aroclor-1268 1      ---                     0.0      1     ---                      0.0
 Aroclor-1268 2      ---                     0.0      2     ---                      0.0
 Aroclor-1268 3      ---                     0.0      3     ---                      0.0
 Aroclor-1268 4      ---                     0.0      4     ---                      0.0
             Col1Ave: <3 Quant Peaks                   Col2Ave: <3 Quant Peaks




 Total PCB Area Col1 (5.933 - 13.804) =     130451     Col1 Total PCB = 0.0 ppm*
```

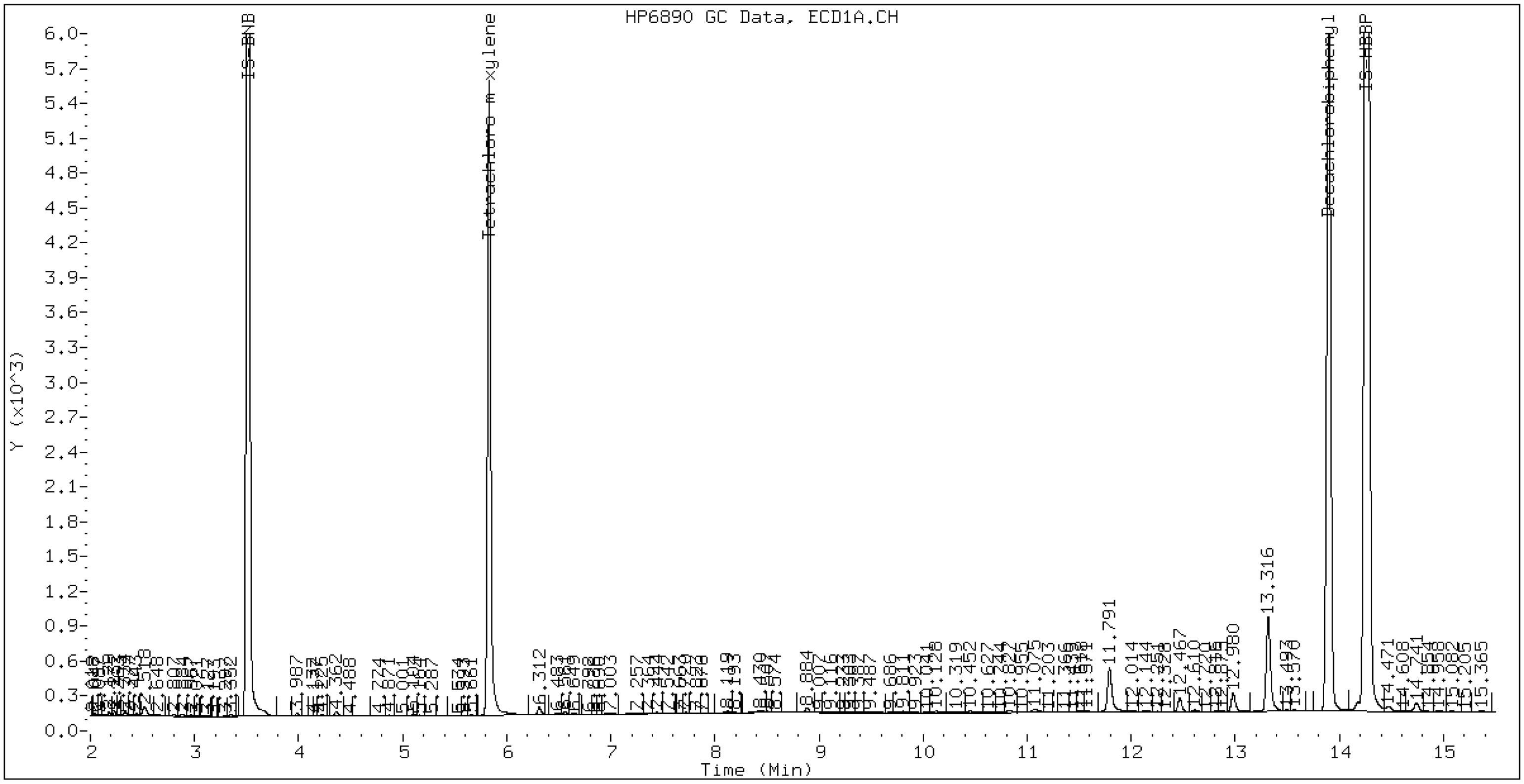
```
Total PCB Area Col2 (5.809 - 14.028) =      55998     Col2 Total PCB = 0.0 ppm*

  *  Quantitated against AR1660 0.25ppm in Ical

                                    PCB-Form 10 Mod.
```

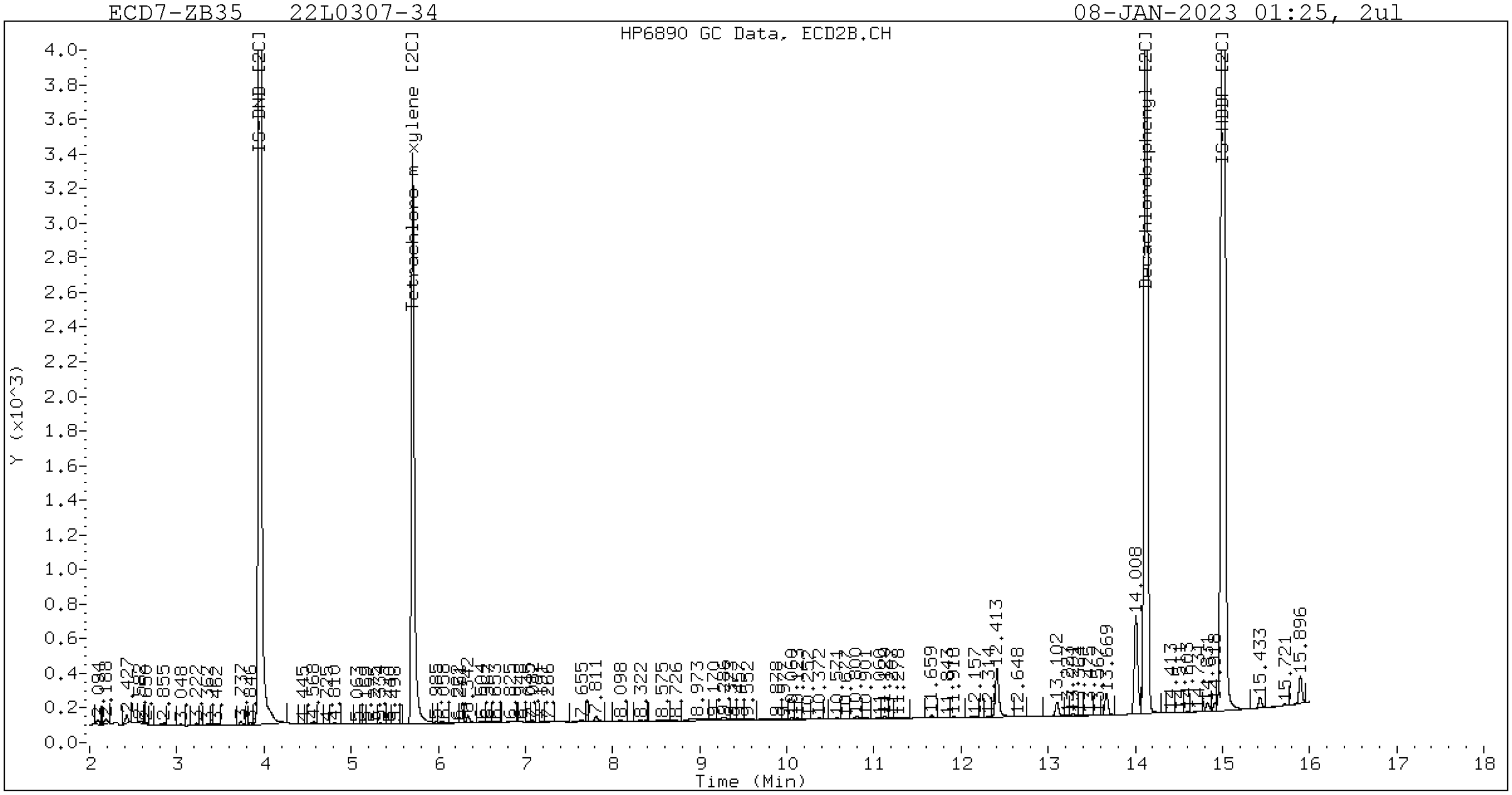
PCB Dual Column Chromatograms

ECD7-ZB5 22L0307-34 08-JAN-2023 01:25, 2ul



ZB-5 Manual Integration: NO

ECD7-ZB35 22L0307-34 08-JAN-2023 01:25, 2ul



ZB-35 Manual Integration: NO

LDW22-SC804B

Dual Column

ORGANIC ANALYSIS DATA SHEET
EPA 8082A

Laboratory:	Analytical Resources, LLC			SDG:	22L0307
Client:	Anchor QEA, LLC				
Project:	AOC4 UR Phase 3				
Matrix:	Solid	Laboratory ID:	22L0307-35 B	File ID:	01072347ECD7.D
Sampled:	12/12/22 11:18	Prepared:	12/28/22 14:11	Analyzed:	01/08/23 01:46
% Solids:	71.22	Preparation:	EPA 3546 (Microwave)	Initial/Final:	17.58 g Wet / 2.5 mL
Batch:	BKL0582	Sequence:	SLA0099	Calibration:	FL00010
Instrument:	ECD7	Column 1:	ZB5	Column 2:	ZB35

CAS NO.	COMPOUND	Col #	DILUTION	CONC. (ug/kg dry)	MDL	MRL	Q
12674-11-2	Aroclor 1016	1	1	4.0	1.6	4.0	U
11104-28-2	Aroclor 1221	1	1	4.0	1.6	4.0	U
11141-16-5	Aroclor 1232	1	1	4.0	1.6	4.0	U
53469-21-9	Aroclor 1242	1	1	4.0	1.6	4.0	U
12672-29-6	Aroclor 1248	1	1	69.3	1.6	4.0	
11097-69-1	Aroclor 1254	2	1	98.3	1.6	4.0	
11096-82-5	Aroclor 1260	2	1	67.3	0.6	4.0	

SURROGATES	Col #	ADDED (ug/kg dry)	CONC (ug/kg dry)	% REC	QC LIMITS	Q
Decachlorobiphenyl	*1*	*7.9869*	*9.28*	*116*	*40 - 126*	
Tetrachlorometaxylene	*1*	*7.9869*	*4.76*	*59.6*	*44 - 120*	
Decachlorobiphenyl	*2*	*7.9869*	*8.56*	*107*	*40 - 126*	
Tetrachlorometaxylene	*2*	*7.9869*	*5.42*	*67.8*	*44 - 120*	

```
                         Analytical Resources Inc.
                    Dual Column 608/8082 PCB Quantitation Report

Data file 1: /230107.b/01072347ECD7.D                   ARI ID: 22L0307-35
Data file 2: /230107.b/230107.b/01072347ECD7.D          Client ID:
Method: \\target\share\chem4\ecd7.i\230107.b\PCB.m      Injection Date: 08-JAN-2023 01:46
Compound Sublist: PCB.sub                               Report Date: 01/11/2023 15:12
Instrument, Inj. Vol.: ecd7.i, 2ul                      Matrix: NONE
Quant Method: Internal Std                              Dilution Factor:  1.0



                                  SURROGATES

       ZB5 Col          |       ZB35 Col         |   ZB5    ZB35
  RT    Shift Response | RT    Shift  Response  |  on col  on col    RPD   Compound/Flag
============================================================================================

 5.827 -0.006   167568 | 5.703  -0.006   119291|   23.8    27.1     12.9    Tetrachloro-m-xylene
13.894 -0.010   189358 |14.121  -0.007   209376|   46.5    42.9      8.1    Decachlorobiphenyl


*  Indicates RPD > 40%




                             INTERNAL STANDARD SUMMARY

                                          Column 1
                                   Standard    Sample
                  Standard Cpnd      Area*       Area      %D
               ---------------------------------------------------
                 Bromo-Nitrobenzene    447645      495859   10.8
                 Hexabromobiphenyl     798898      444259  -44.4

                                          Column 2
                                   Standard    Sample
                  Standard Cpnd      Area*       Area      %D
               ---------------------------------------------------
                 Bromo-Nitrobenzene    249094     320747    28.8
                 Hexabromobiphenyl     362541     343970    -5.1


                * Standard Areas taken from Initial Cal Level 3
                  Initial Calibration Date: 03-DEC-2022
               <- Indicates standard response outside Limits (-50 to +100%)
```

```
                            ZB5 Col                                ZB35 Col
 Aroclor   Peak#    RT    Shift    Area    Amount    Peak#   RT     Shift    Area   Amount
 ==========================================================================================
 Aroclor-1016 1      ---                     0.0      1     ---                      0.0
 Aroclor-1016 2      ---                     0.0      2     ---                      0.0
 Aroclor-1016 3      ---                     0.0      3     ---                      0.0
 Aroclor-1016 4      ---                     0.0      4     ---                      0.0
             Col1Ave: <3 Quant Peaks                   Col2Ave: <3 Quant Peaks

 Aroclor-1221 1      ---                     0.0      1     ---                      0.0
 Aroclor-1221 2      ---                     0.0      2     ---                      0.0
 Aroclor-1221 3      ---                     0.0      3     ---                      0.0
             Col1Ave: <3 Quant Peaks                   Col2Ave: <3 Quant Peaks

 Aroclor-1232 1      ---                     0.0      1     ---                      0.0
 Aroclor-1232 2      ---                     0.0      2     ---                      0.0
 Aroclor-1232 3      ---                     0.0      3     ---                      0.0
 Aroclor-1232 4      ---                     0.0      4     ---                      0.0
             Col1Ave: <3 Quant Peaks                   Col2Ave: <3 Quant Peaks

 Aroclor-1242 1      ---                     0.0      1     ---                      0.0
 Aroclor-1242 2      ---                     0.0      2     ---                      0.0
 Aroclor-1242 3      ---                     0.0      3     ---                      0.0
 Aroclor-1242 4      ---                     0.0      4     ---                      0.0
             Col1Ave: <3 Quant Peaks                   Col2Ave: <3 Quant Peaks

 Aroclor-1248 1   8.403  -0.022     74675   350.3      1    8.311  -0.012    40220   306.9
 Aroclor-1248 2   8.578  -0.025     32315   118.7      2    8.717  -0.011    30063   218.1
 Aroclor-1248 3   8.996  -0.023    125906   257.1      3    9.148  -0.030    46285   276.1
 Aroclor-1248 4   9.297  -0.016    158861   662.2      4    9.541  -0.060    61502   312.5
       Total Col1Ave (4 peaks):   347.1       Total Col2Ave (4 peaks):   278.4   RPD = 22
       Corrected Ave (3 peaks):   242.0       Corrected Ave (3 peaks):   267.1   RPD = 10

 Aroclor-1254 1   9.297  -0.014    158861   363.9      1    9.447  -0.014    94786   458.3
 Aroclor-1254 2   9.372  -0.016     59559   350.8      2    9.965  -0.015    61041   367.1
 Aroclor-1254 3   9.665  -0.014    105481   382.5      3   10.113  -0.020   168771   472.2
 Aroclor-1254 4   9.797  -0.017    219211   407.8      4   10.351  -0.031   192120   519.1
 Aroclor-1254 5  10.137  -0.031    244468   663.5      5   10.562  -0.015   114958   644.0
       Total Col1Ave (5 peaks):   433.7       Total Col2Ave (5 peaks):   492.2   RPD = 13
       Corrected Ave (4 peaks):   376.3       Corrected Ave (4 peaks):   454.2   RPD = 19

 Aroclor-1260 1  11.042  -0.018     45153   279.2      1   11.651  -0.012    75726   417.1
 Aroclor-1260 2  11.359  -0.017     47196   282.2      2   11.912  -0.016   108112   237.3
 Aroclor-1260 3  11.728  -0.023    136845   311.4      3   12.432  -0.013    50408   415.5
 Aroclor-1260 4  12.127  -0.027     73423   328.1      4   12.495  -0.016    84591   278.5
 Aroclor-1260 5  12.243  -0.014     33879   369.8      NS    ---                     ----
       Total Col1Ave (5 peaks):   314.1       Total Col2Ave (4 peaks):   337.1   RPD = 7
       Corrected Ave (4 peaks):   300.2       Corrected Ave (3 peaks):   310.4   RPD = 3

 Aroclor-1262 1      ---                     0.0      1     ---                      0.0
 Aroclor-1262 2      ---                     0.0      2     ---                      0.0
 Aroclor-1262 3      ---                     0.0      3     ---                      0.0
 Aroclor-1262 4      ---                     0.0      4     ---                      0.0
             Col1Ave: <3 Quant Peaks                   Col2Ave: <3 Quant Peaks

 Aroclor-1268 1      ---                     0.0      1     ---                      0.0
 Aroclor-1268 2      ---                     0.0      2     ---                      0.0
 Aroclor-1268 3      ---                     0.0      3     ---                      0.0
 Aroclor-1268 4      ---                     0.0      4     ---                      0.0
             Col1Ave: <3 Quant Peaks                   Col2Ave: <3 Quant Peaks
```

Total PCB Area Col1 (5.933 - 13.804) = 3179800 Col1 Total PCB = 0.7 ppm*

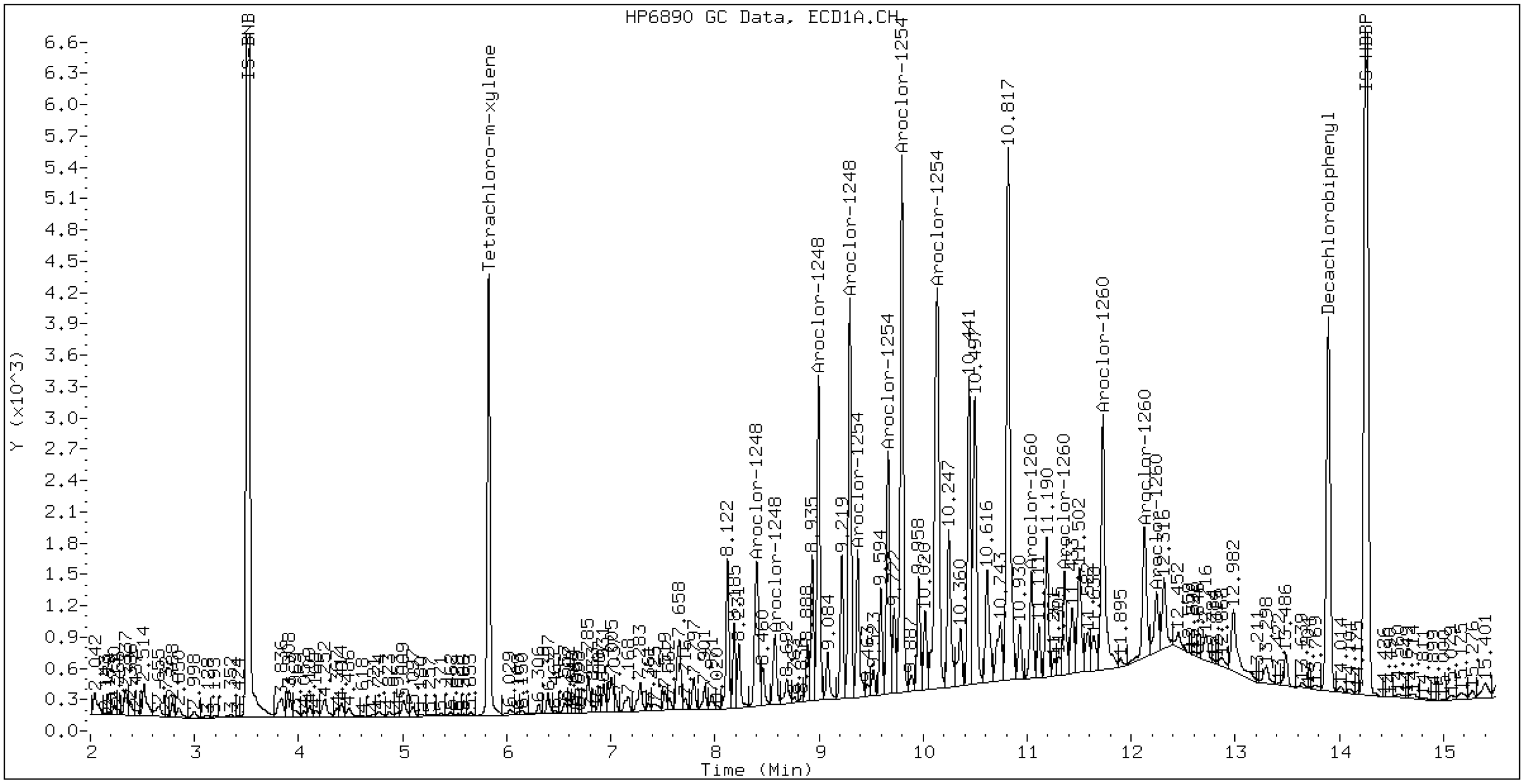
Total PCB Area Col2 (5.809 - 14.028) = 2407805 Col2 Total PCB = 0.8 ppm*

* Quantitated against AR1660 0.25ppm in Ical

PCB-Form 10 Mod.

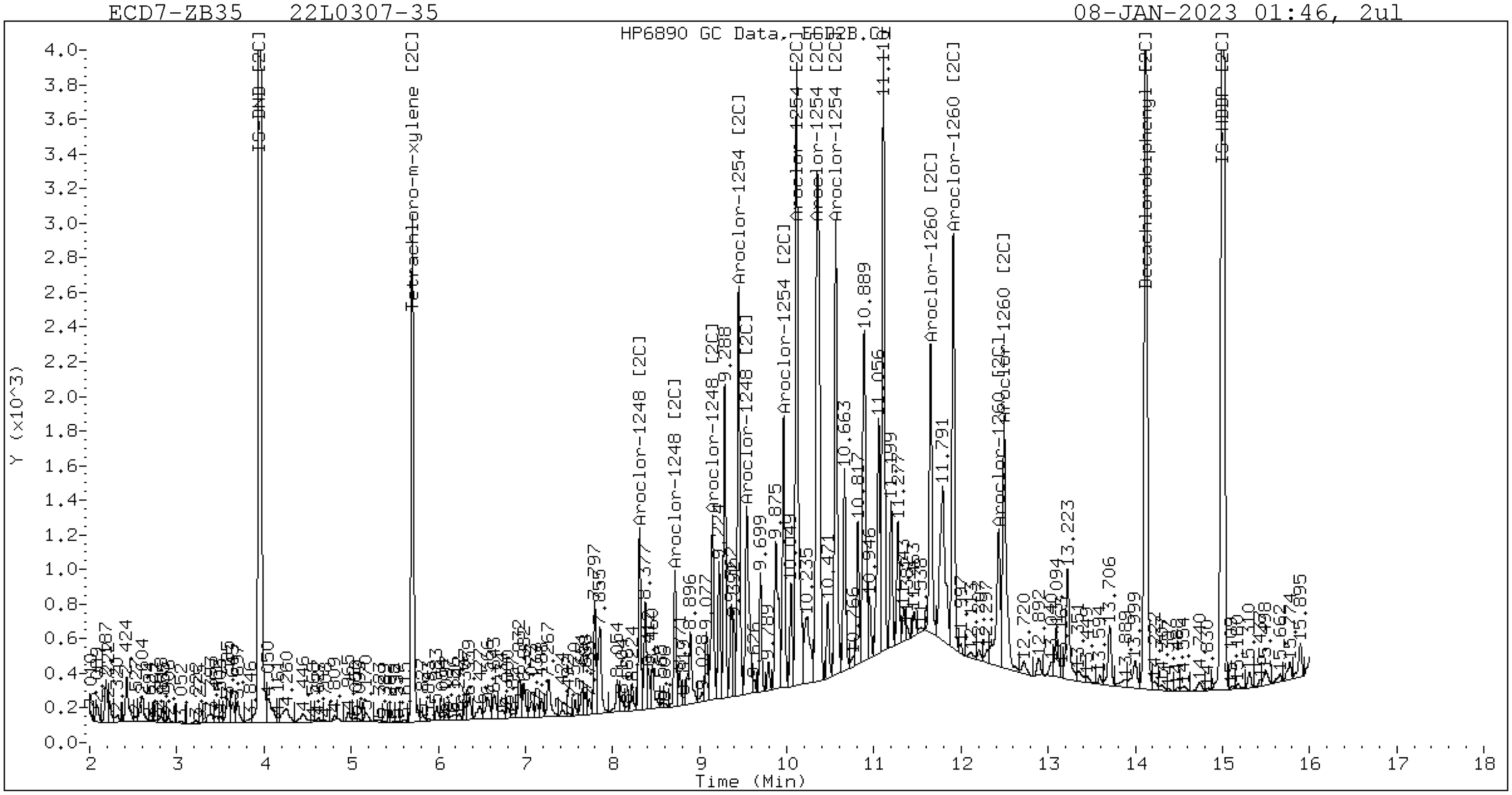
PCB Dual Column Chromatograms

ECD7-ZB5 22L0307-35 08-JAN-2023 01:46, 2ul



ZB-5 Manual Integration: YES

ECD7-ZB35 22L0307-35 08-JAN-2023 01:46, 2ul

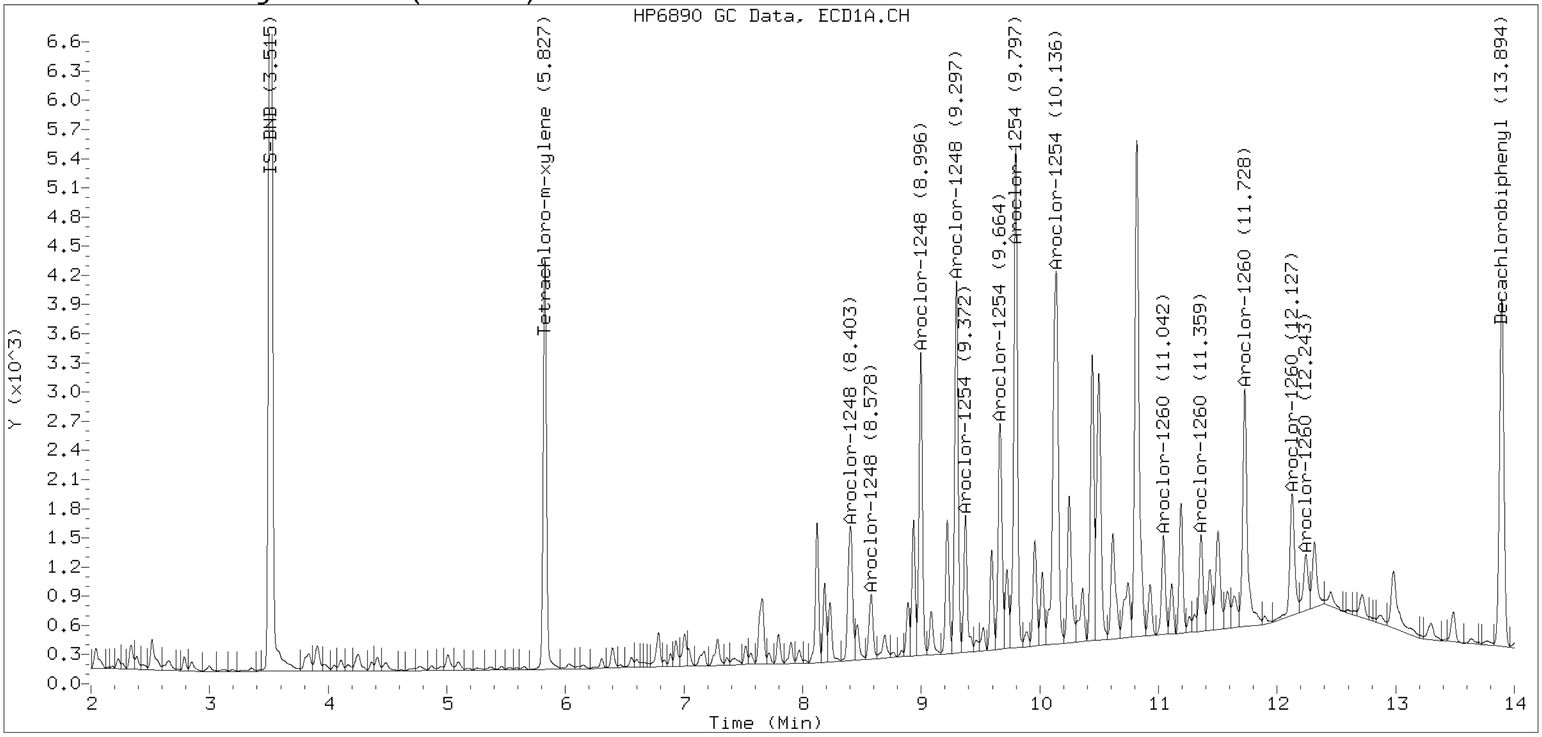


ZB-35 Manual Integration: YES

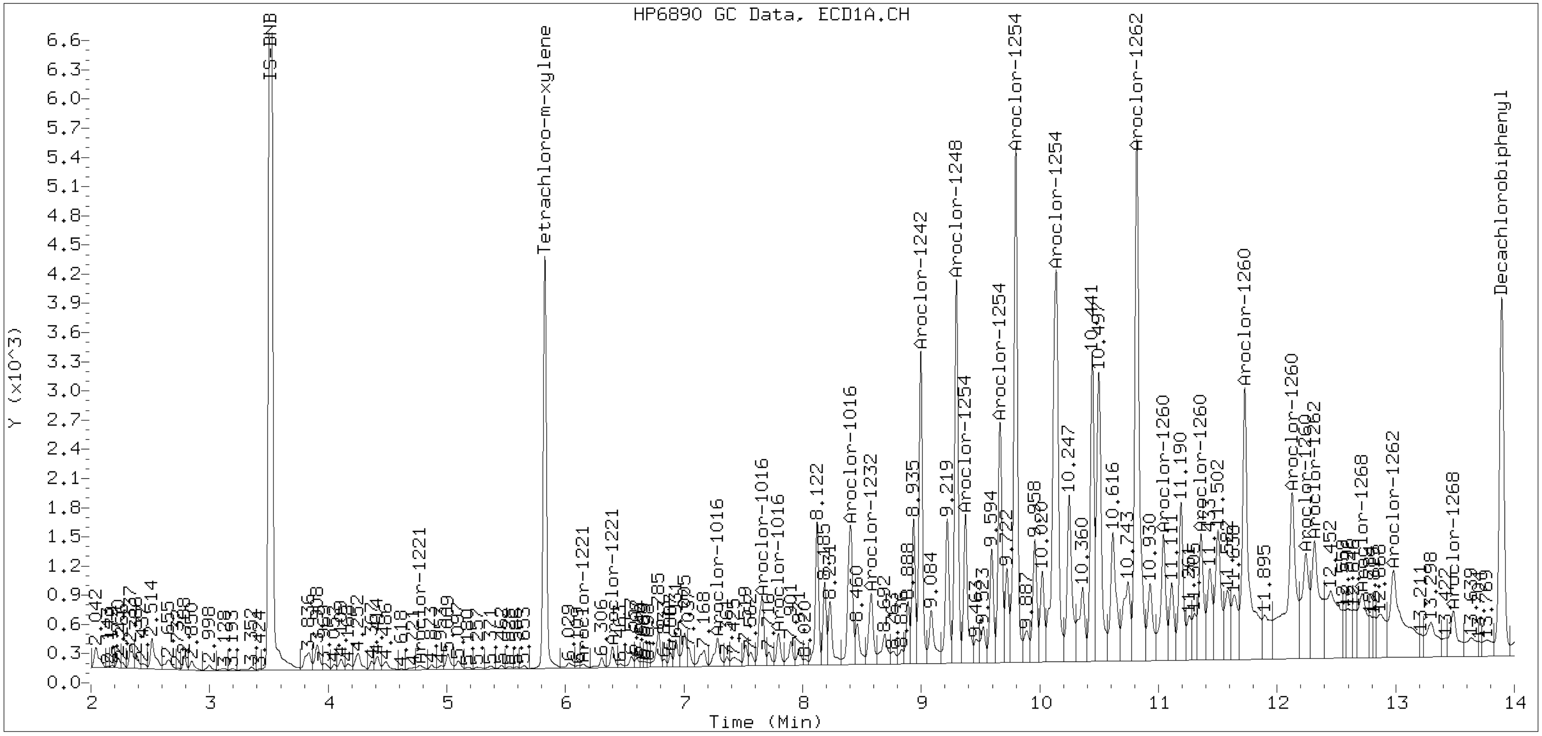
Manual Peak Adjustment, ZB-5

Datafile: ecd7.i/230107.b/01072347ECD7.D   Injection Date: 08-JAN-2023 01:46

Manual Integration (After)



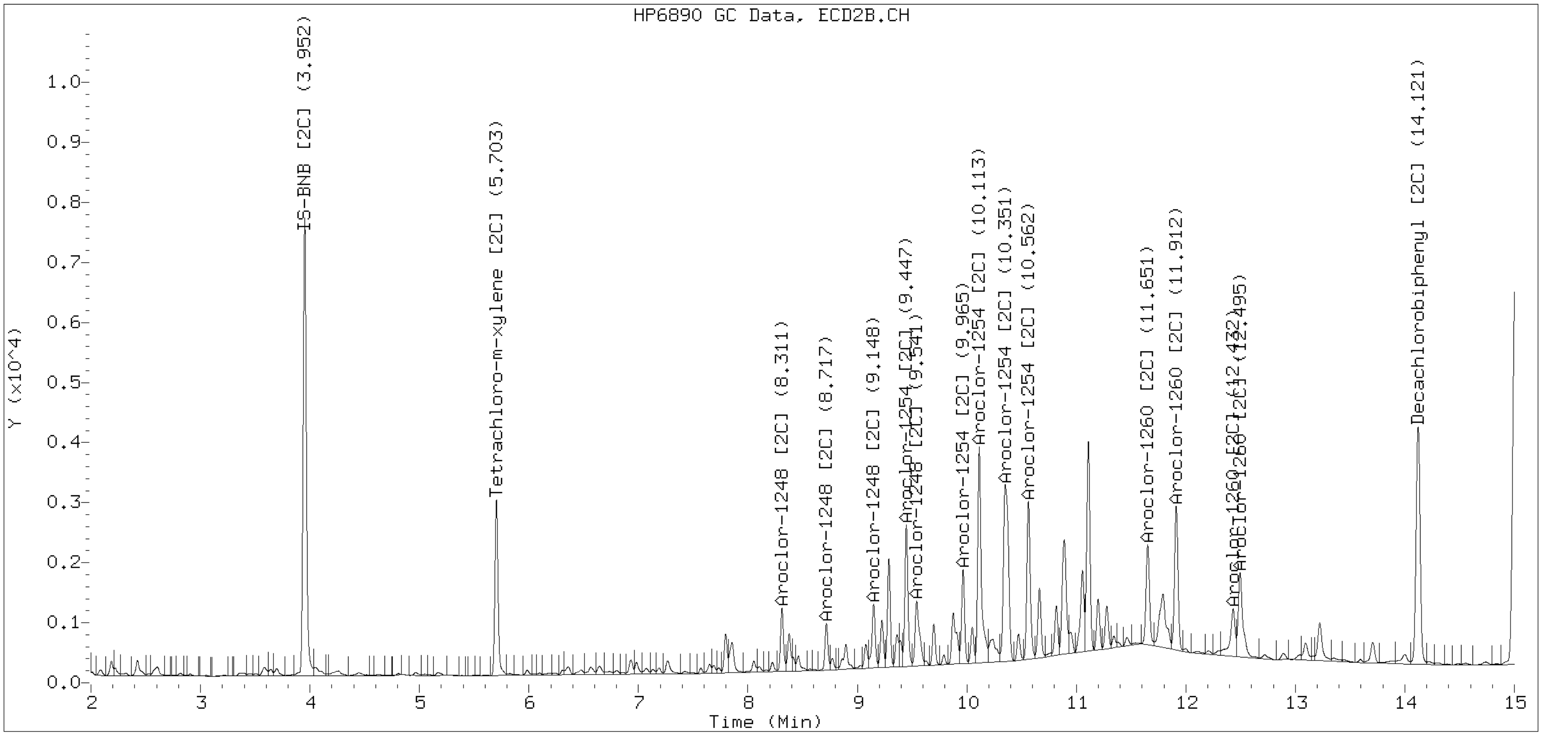
Processed Integration (Before)



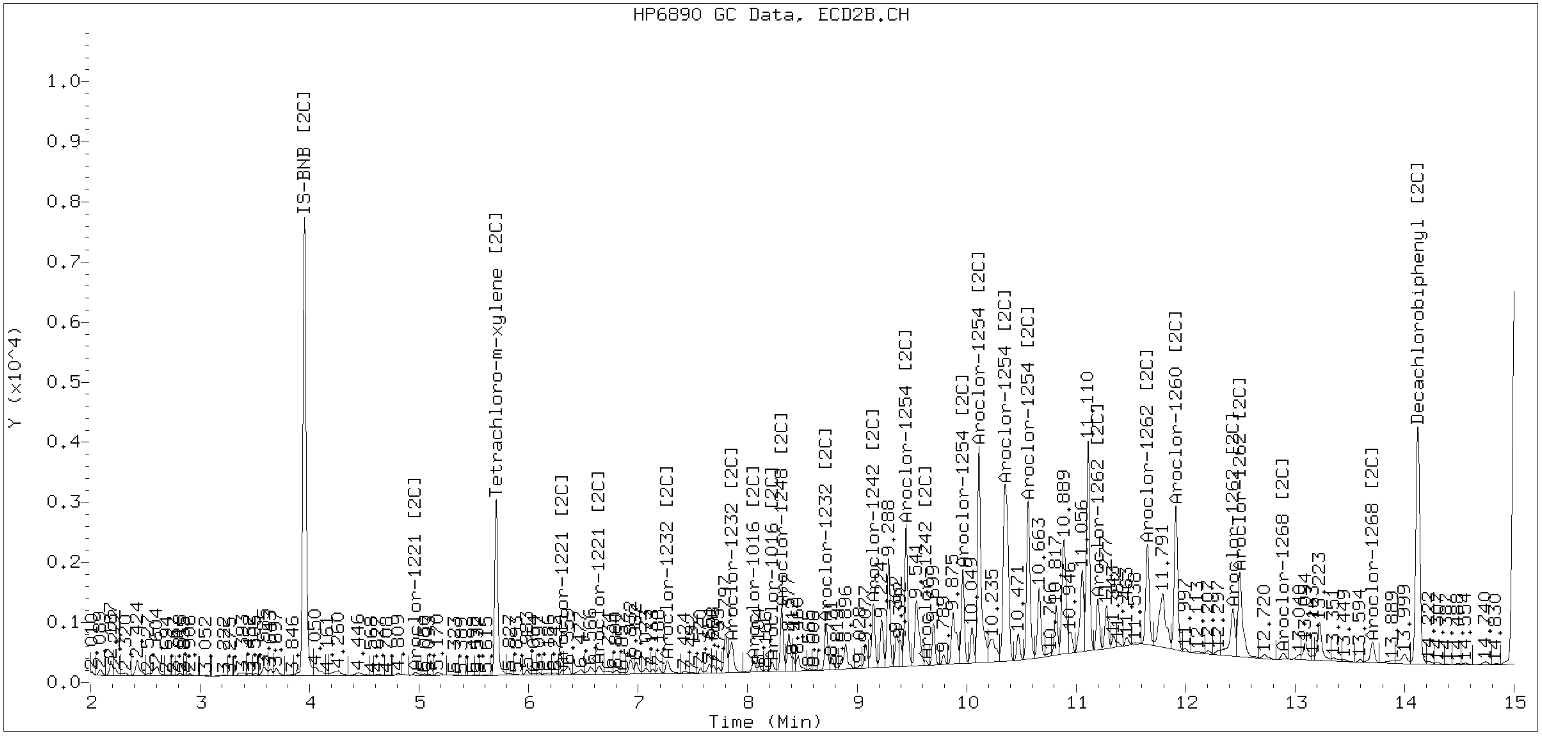
Manual Peak Adjustment, ZB-35

Datafile: ecd7.i/230107.b/230107.b/01072347ECD7.D   Injection Date: 08-JAN-2023

Manual Integration (After)



Processed Integration (Before)



LDW22-SC804C

Dual Column

ORGANIC ANALYSIS DATA SHEET
EPA 8082A

Laboratory:	Analytical Resources, LLC			SDG:	22L0307
Client:	Anchor QEA, LLC				
Project:	AOC4 UR Phase 3				
Matrix:	Solid	Laboratory ID:	22L0307-36 B	File ID:	01072348ECD7.D
Sampled:	12/12/22 11:18	Prepared:	12/28/22 14:11	Analyzed:	01/08/23 02:07
% Solids:	78.89	Preparation:	EPA 3546 (Microwave)	Initial/Final:	15.87 g Wet / 2.5 mL
Batch:	BKL0582	Sequence:	SLA0099	Calibration:	FL00010
Instrument:	ECD7	Column 1:	ZB5	Column 2:	ZB35

CAS NO.	COMPOUND	Col #	DILUTION	CONC. (ug/kg dry)	MDL	MRL	Q
12674-11-2	Aroclor 1016	1	1	4.0	1.6	4.0	U
11104-28-2	Aroclor 1221	1	1	4.0	1.6	4.0	U
11141-16-5	Aroclor 1232	1	1	4.0	1.6	4.0	U
53469-21-9	Aroclor 1242	1	1	4.0	1.6	4.0	U
12672-29-6	Aroclor 1248	2	1	12.3	1.6	4.0	
11097-69-1	Aroclor 1254	2	1	27.7	1.6	4.0	
11096-82-5	Aroclor 1260	2	1	12.9	0.6	4.0	

SURROGATES	Col #	ADDED (ug/kg dry)	CONC (ug/kg dry)	% REC	QC LIMITS	Q
Decachlorobiphenyl	*1*	*7.9873*	*7.81*	*97.8*	*40 - 126*	
Tetrachlorometaxylene	*1*	*7.9873*	*6.06*	*75.9*	*44 - 120*	
Decachlorobiphenyl	*2*	*7.9873*	*7.18*	*89.9*	*40 - 126*	
Tetrachlorometaxylene	*2*	*7.9873*	*5.95*	*74.5*	*44 - 120*	

```
                              Analytical Resources Inc.
                         Dual Column 608/8082 PCB Quantitation Report

Data file 1: /230107.b/01072348ECD7.D                    ARI ID: 22L0307-36
Data file 2: /230107.b/230107.b/01072348ECD7.D           Client ID:
Method: \\target\share\chem4\ecd7.i\230107.b\PCB.m       Injection Date: 08-JAN-2023 02:07
Compound Sublist: PCB.sub                                Report Date: 01/11/2023 15:13
Instrument, Inj. Vol.: ecd7.i, 2ul                       Matrix: NONE
Quant Method: Internal Std                               Dilution Factor:  1.0



                                 SURROGATES

       ZB5 Col         |       ZB35 Col         |   ZB5    ZB35
  RT    Shift Response | RT    Shift  Response  |  on col  on col    RPD   Compound/Flag
============================================================================================

 5.829 -0.004   208182 | 5.706  -0.003   143009|   30.3    29.8      1.8    Tetrachloro-m-xylene
13.896 -0.008   220834 |14.122  -0.006   224566|   39.1    36.0      8.4    Decachlorobiphenyl


*  Indicates RPD > 40%




                            INTERNAL STANDARD SUMMARY

                                        Column 1
                                 Standard    Sample
                 Standard Cpnd      Area*       Area      %D
               --------------------------------------------------
                 Bromo-Nitrobenzene    447645      484068    8.1
                 Hexabromobiphenyl     798898      615879  -22.9

                                        Column 2
                                 Standard    Sample
                 Standard Cpnd      Area*       Area      %D
               --------------------------------------------------
                 Bromo-Nitrobenzene    249094     350116    40.6
                 Hexabromobiphenyl     362541     439822    21.3


                * Standard Areas taken from Initial Cal Level 3
                  Initial Calibration Date: 03-DEC-2022
               <- Indicates standard response outside Limits (-50 to +100%)
```

```
                           ZB5 Col                               ZB35 Col
 Aroclor   Peak#    RT    Shift    Area    Amount    Peak#   RT     Shift    Area   Amount
 ==========================================================================================
 Aroclor-1016 1      ---                     0.0      1     ---                      0.0
 Aroclor-1016 2      ---                     0.0      2     ---                      0.0
 Aroclor-1016 3      ---                     0.0      3     ---                      0.0
 Aroclor-1016 4      ---                     0.0      4     ---                      0.0
             Col1Ave: <3 Quant Peaks                  Col2Ave: <3 Quant Peaks

 Aroclor-1221 1      ---                     0.0      1     ---                      0.0
 Aroclor-1221 2      ---                     0.0      2     ---                      0.0
 Aroclor-1221 3      ---                     0.0      3     ---                      0.0
             Col1Ave: <3 Quant Peaks                  Col2Ave: <3 Quant Peaks

 Aroclor-1232 1      ---                     0.0      1     ---                      0.0
 Aroclor-1232 2      ---                     0.0      2     ---                      0.0
 Aroclor-1232 3      ---                     0.0      3     ---                      0.0
 Aroclor-1232 4      ---                     0.0      4     ---                      0.0
             Col1Ave: <3 Quant Peaks                  Col2Ave: <3 Quant Peaks

 Aroclor-1242 1      ---                     0.0      1     ---                      0.0
 Aroclor-1242 2      ---                     0.0      2     ---                      0.0
 Aroclor-1242 3      ---                     0.0      3     ---                      0.0
 Aroclor-1242 4      ---                     0.0      4     ---                      0.0
             Col1Ave: <3 Quant Peaks                  Col2Ave: <3 Quant Peaks

 Aroclor-1248 1   8.412  -0.012     13099    62.9      1    8.314  -0.009    10450    73.1
 Aroclor-1248 2   8.582  -0.020      8816    33.2      2    8.719  -0.009     6381    42.4
 Aroclor-1248 3   8.999  -0.019     37070    77.5      3    9.154  -0.024    12609    68.9
 Aroclor-1248 4   9.301  -0.012     47247   ~~201~~.7      4    9.544  -0.058    13187    61~~.4~~
       Total Col1Ave (4 peaks):    ~~93~~.8       Total Col2Ave (4 peaks):    61.4   RPD = 42*
       Corrected Ave (3 peaks):    57.9       Corrected Ave (3 peaks):    57.6   RPD = 1
                                                                       61.47
 Aroclor-1254 1   9.301  -0.010     47247   110.9      1    9.450  -0.011    28504   126.3
 Aroclor-1254 2   9.377  -0.011     20005   120.7      2    9.969  -0.012    17705    97.6
 Aroclor-1254 3   9.668  -0.011     30049   111.6      3   10.118  -0.015    53136   136.2
 Aroclor-1254 4   9.802  -0.012     67086   127.9      4   10.362  -0.020    61350   151.9
 Aroclor-1254 5  10.145  -0.023     39568   110.0      5   10.566  -0.012    35480   182.1
       Total Col1Ave (5 peaks):   116.2       Total Col2Ave (5 peaks):   138.8   RPD = 18
       Corrected Ave (4 peaks):   113.3       Corrected Ave (4 peaks):   128.0   RPD = 12

 Aroclor-1260 1  11.047  -0.013     15910    71.0      1   11.654  -0.009    22444    96.7
 Aroclor-1260 2  11.361  -0.015     12214    52.7      2   11.915  -0.014    27308    46.9
 Aroclor-1260 3  11.731  -0.019     32461    53.3      3   12.434  -0.012     9886    63.7
 Aroclor-1260 4  12.131  -0.022     21129    68.1      4   12.497  -0.014    20028    51.6
 Aroclor-1260 5  12.246  -0.011      6512    51.3     NS    ---                     ----
       Total Col1Ave (5 peaks):    59.3       Total Col2Ave (4 peaks):    64.7   RPD = 9
       Corrected Ave (4 peaks):    56.3       Corrected Ave (3 peaks):    54.1   RPD = 4

 Aroclor-1262 1      ---                     0.0      1     ---                      0.0
 Aroclor-1262 2      ---                     0.0      2     ---                      0.0
 Aroclor-1262 3      ---                     0.0      3     ---                      0.0
 Aroclor-1262 4      ---                     0.0      4     ---                      0.0
             Col1Ave: <3 Quant Peaks                  Col2Ave: <3 Quant Peaks

 Aroclor-1268 1      ---                     0.0      1     ---                      0.0
 Aroclor-1268 2      ---                     0.0      2     ---                      0.0
 Aroclor-1268 3      ---                     0.0      3     ---                      0.0
 Aroclor-1268 4      ---                     0.0      4     ---                      0.0
             Col1Ave: <3 Quant Peaks                  Col2Ave: <3 Quant Peaks
```

```
Total PCB Area Col1 (5.933 - 13.804) =     917558     Col1 Total PCB = 0.2 ppm*

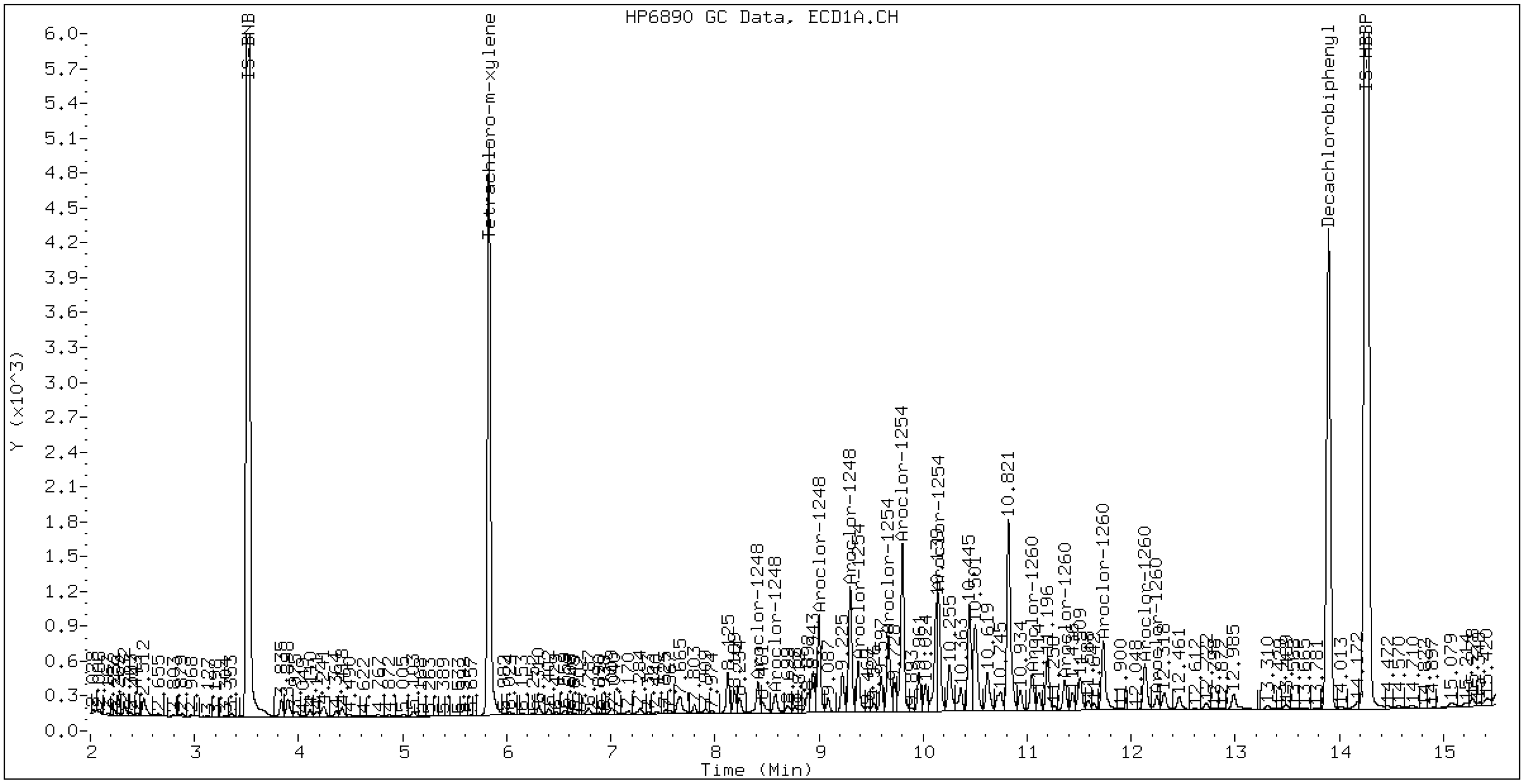
Total PCB Area Col2 (5.809 - 14.028) =     694855     Col2 Total PCB = 0.2 ppm*

  *  Quantitated against AR1660 0.25ppm in Ical

                                    PCB-Form 10 Mod.
```

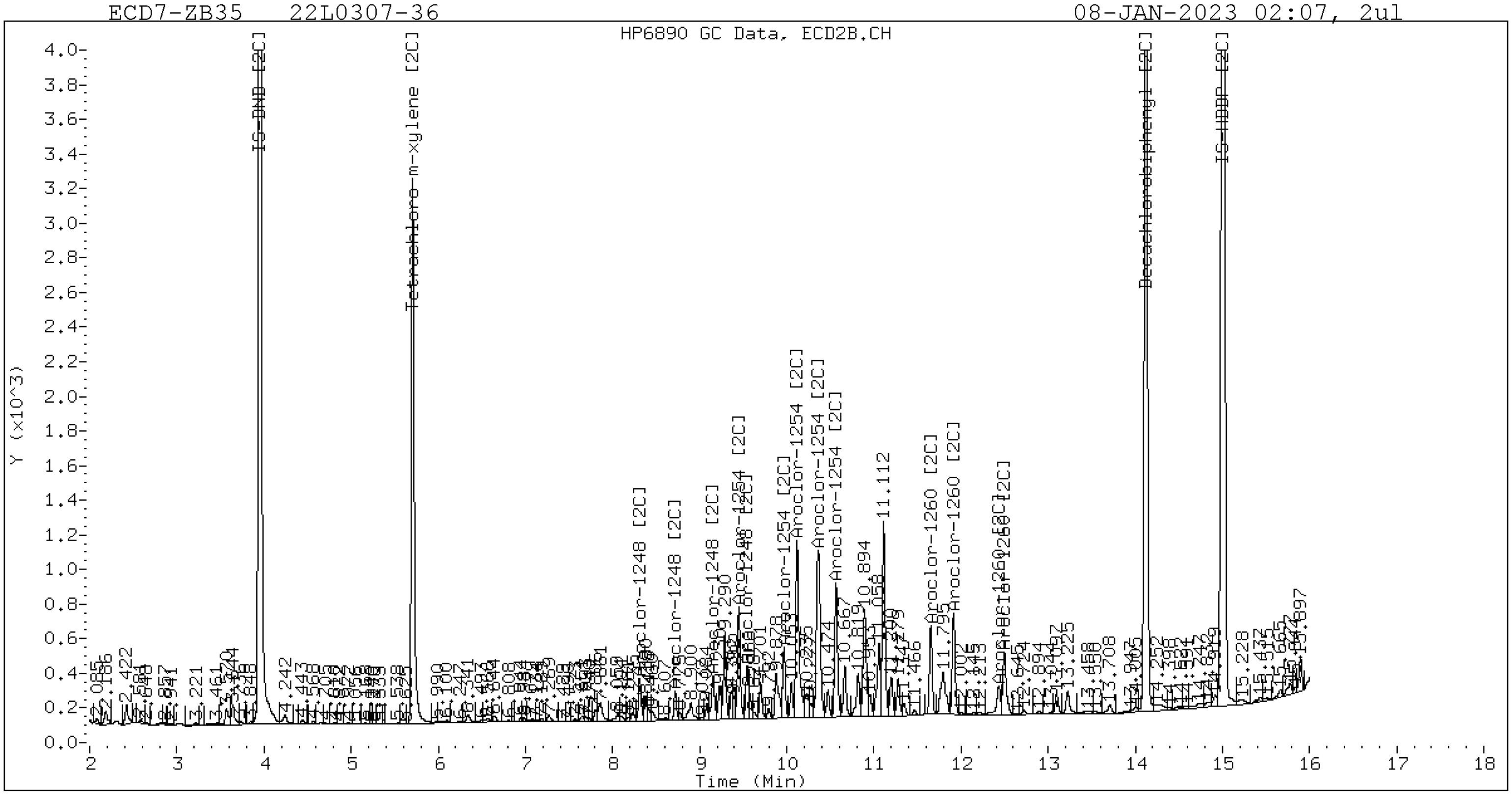
PCB Dual Column Chromatograms

ECD7-ZB5 22L0307-36 08-JAN-2023 02:07, 2ul



ZB-5 Manual Integration: YES

ECD7-ZB35 22L0307-36 08-JAN-2023 02:07, 2ul

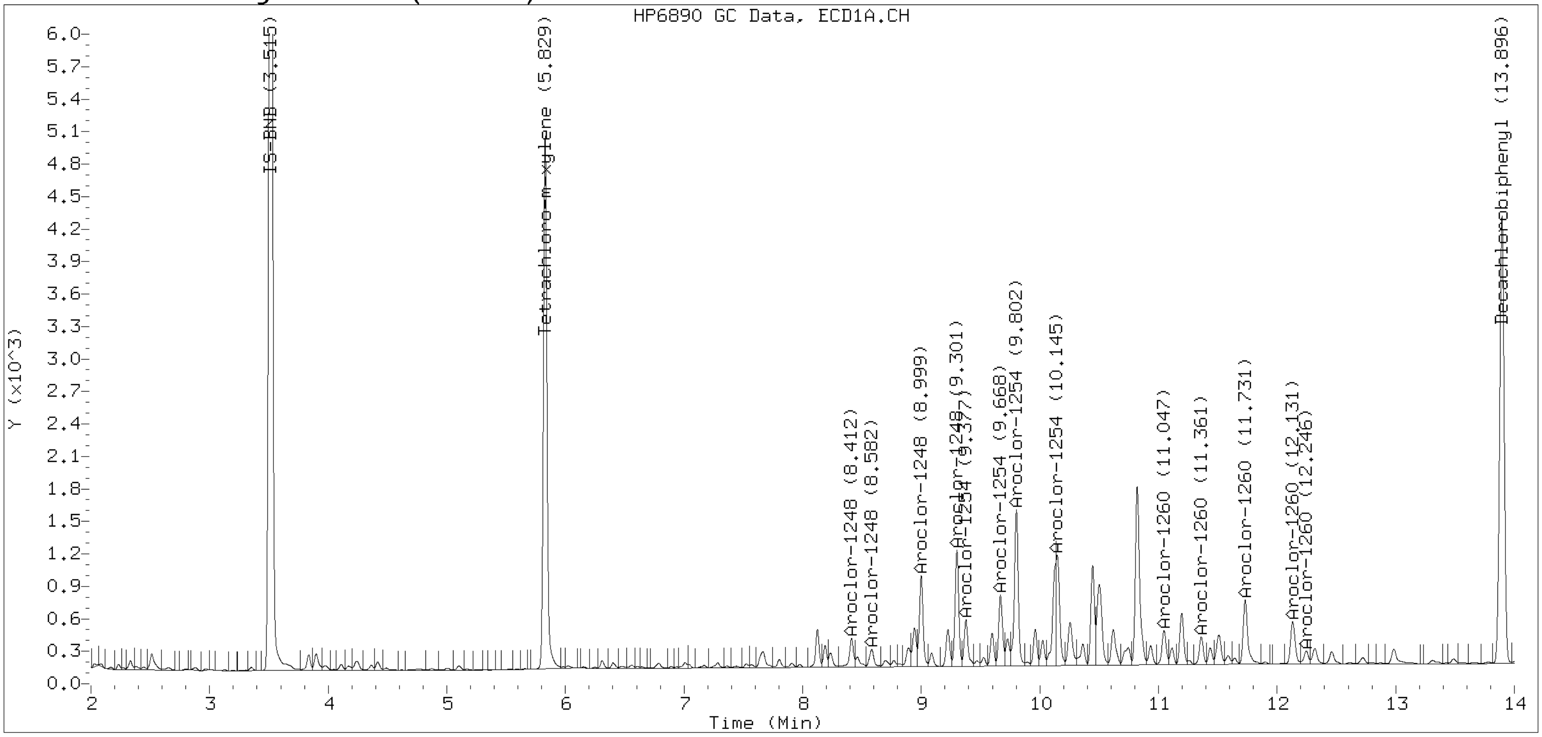


ZB-35 Manual Integration: YES

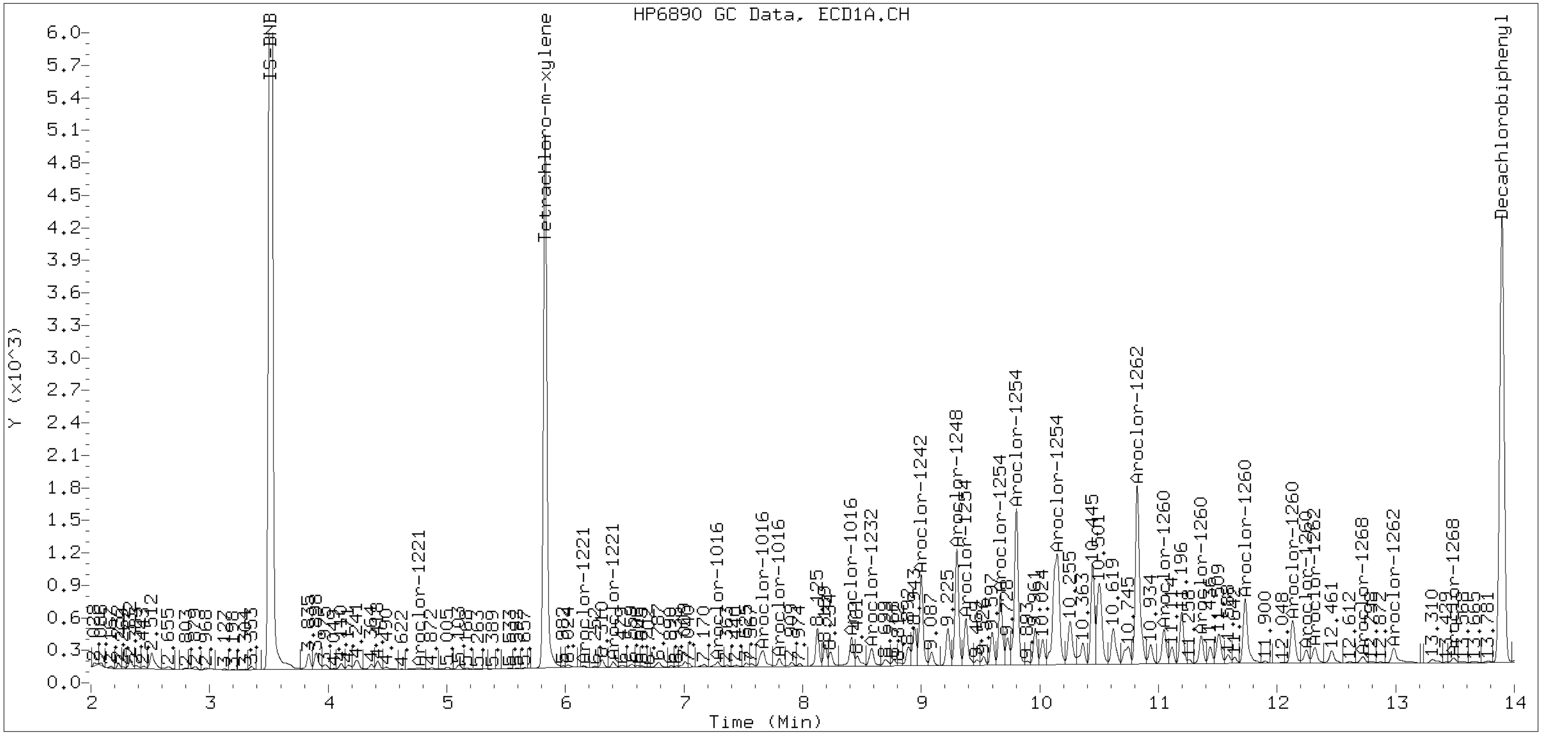
Manual Peak Adjustment, ZB-5

Datafile: ecd7.i/230107.b/01072348ECD7.D   Injection Date: 08-JAN-2023 02:07

Manual Integration (After)



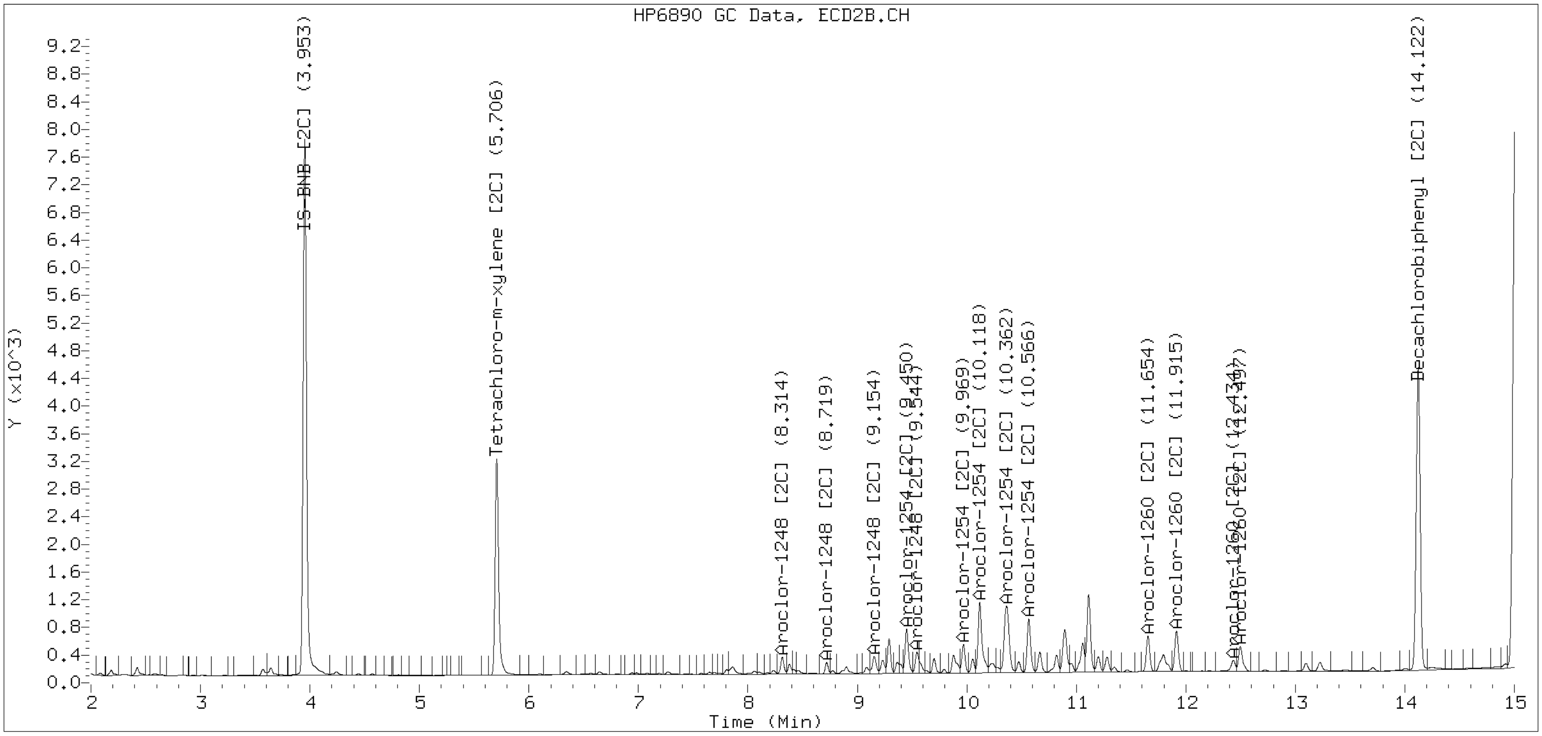
Processed Integration (Before)



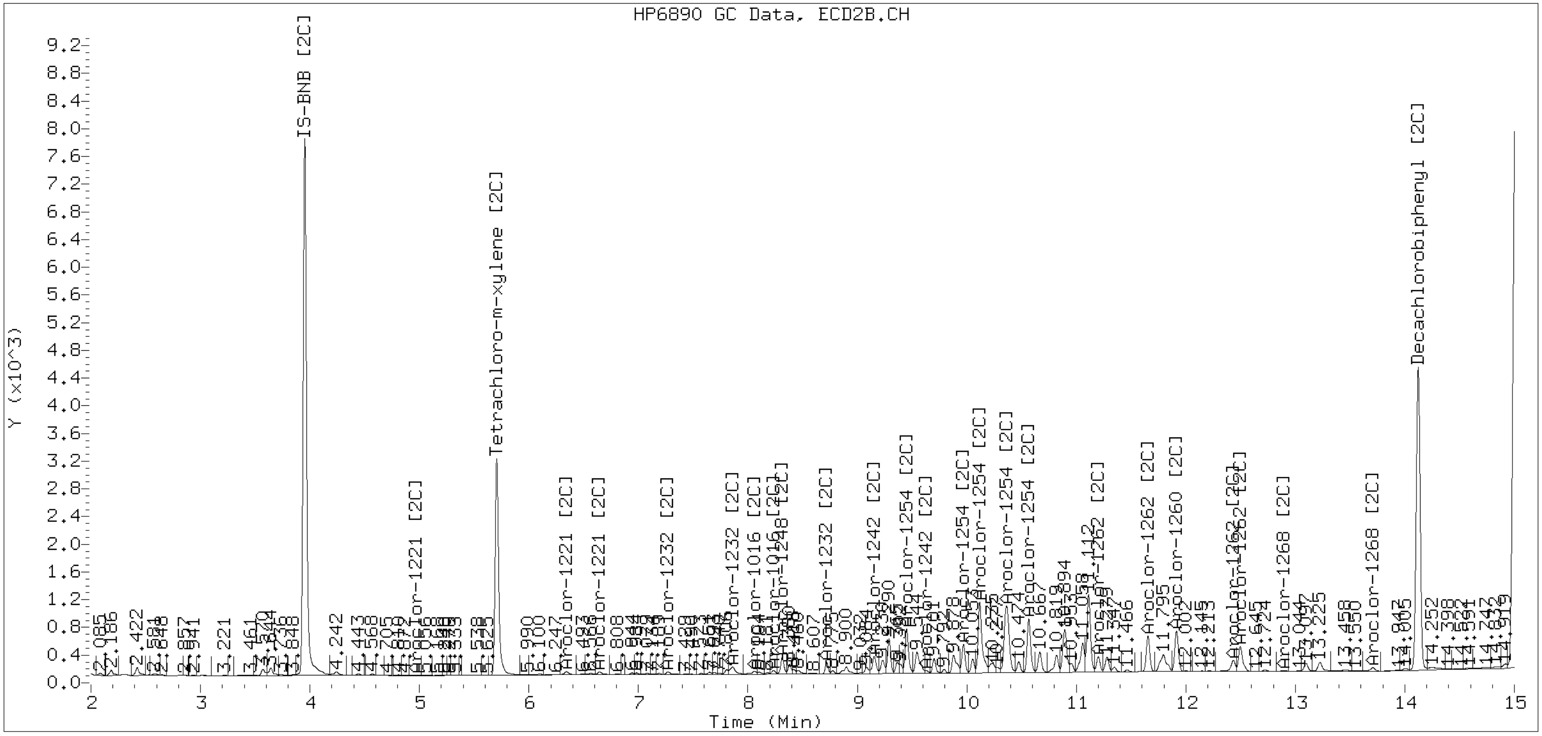
Manual Peak Adjustment, ZB-35

Datafile: ecd7.i/230107.b/230107.b/01072348ECD7.D Injection Date: 08-JAN-2023

Manual Integration (After)



Processed Integration (Before)



LDW22-SC804D

Dual Column

ORGANIC ANALYSIS DATA SHEET
EPA 8082A

Laboratory: Analytical Resources, LLC

SDG: 22L0307

Client: Anchor QEA, LLC

Project: AOC4 UR Phase 3

Matrix:	Solid	Laboratory ID:	22L0307-37 B	File ID:	01112362ECD7.D
Sampled:	12/12/22 11:18	Prepared:	12/28/22 14:11	Analyzed:	01/12/23 06:20
% Solids:	57.03	Preparation:	EPA 3546 (Microwave)	Initial/Final:	21.95 g Wet / 2.5 mL
Batch:	BKL0582	Sequence:	SLA0136	Calibration:	FL00010
Instrument:	ECD7	Column 1:	ZB5	Column 2:	ZB35

CAS NO.	COMPOUND	Col #	DILUTION	CONC. (ug/kg dry)	MDL	MRL	Q
12674-11-2	Aroclor 1016	1	5	20.0	7.8	20.0	U
11104-28-2	Aroclor 1221	1	5	20.0	7.8	20.0	U
11141-16-5	Aroclor 1232	1	5	20.0	7.8	20.0	U
53469-21-9	Aroclor 1242	1	5	20.0	7.8	20.0	U
12672-29-6	Aroclor 1248	1	5	364	7.8	20.0	D
11097-69-1	Aroclor 1254	2	5	622	7.8	20.0	D
11096-82-5	Aroclor 1260	1	5	375	2.9	20.0	D

SURROGATES	Col #	ADDED (ug/kg dry)	CONC (ug/kg dry)	% REC	QC LIMITS	Q
Decachlorobiphenyl	*1*	*7.9884*	*17.0*	*212*	*40 - 126*	*
Tetrachlorometaxylene	*1*	*7.9884*	*4.87*	*60.9*	*44 - 120*	
Decachlorobiphenyl	*2*	*7.9884*	*13.8*	*173*	*40 - 126*	*
Tetrachlorometaxylene	*2*	*7.9884*	*5.94*	*74.4*	*44 - 120*	

```
                                 Analytical Resources Inc.
                            Dual Column 608/8082 PCB Quantitation Report

Data file 1: /230111.b/01112362ECD7.D                   ARI ID: 22L0307-37RE1
Data file 2: /230111.b/230111.b/01112362ECD7.D          Client ID:
Method: \\target\share\chem4\ecd7.i\230111.b\PCB.m      Injection Date: 12-JAN-2023 06:20
Compound Sublist: PCB.sub                               Report Date: 01/14/2023 13:22
Instrument, Inj. Vol.: ecd7.i, 2ul                      Matrix: NONE
Quant Method: Internal Std                              Dilution Factor:  5.0



                                  SURROGATES

       ZB5 Col         |       ZB35 Col         |   ZB5    ZB35
  RT    Shift Response | RT    Shift  Response  |  on col  on col    RPD   Compound/Flag
=========================================================================================

 5.828 -0.003    26742 | 5.704  -0.004    22848|    4.9     5.9     19.8    Tetrachloro-m-xylene
13.894 -0.008    63557 |14.121  -0.005    63634|   17.0    13.8     20.7    Decachlorobiphenyl


*  Indicates RPD > 40%



                             INTERNAL STANDARD SUMMARY

                                         Column 1
                                  Standard    Sample
                  Standard Cpnd      Area*       Area      %D
              --------------------------------------------------
                Bromo-Nitrobenzene    447645      387028  -13.5
                Hexabromobiphenyl     798898      408067  -48.9

                                         Column 2
                                  Standard    Sample
                  Standard Cpnd      Area*       Area      %D
              --------------------------------------------------
                Bromo-Nitrobenzene    249094     280145    12.5
                Hexabromobiphenyl     362541     324661   -10.4


               * Standard Areas taken from Initial Cal Level 3
                 Initial Calibration Date: 03-DEC-2022
              <- Indicates standard response outside Limits (-50 to +100%)
```

```
//target/share/chem4/ecd7.i/230111.b/01112362ECD7.D      22L0307-37RE1                         page 2
                             ZB5 Col                          ZB35 Col
 Aroclor   Peak#    RT    Shift    Area    Amount    Peak#   RT     Shift    Area   Amount
 ========================================================================================
 Aroclor-1016 1      ---                     0.0      1     ---                      0.0
 Aroclor-1016 2      ---                     0.0      2     ---                      0.0
 Aroclor-1016 3      ---                     0.0      3     ---                      0.0
 Aroclor-1016 4      ---                     0.0      4     ---                      0.0
             Col1Ave: <3 Quant Peaks                   Col2Ave: <3 Quant Peaks

 Aroclor-1221 1      ---                     0.0      1     ---                      0.0
 Aroclor-1221 2      ---                     0.0      2     ---                      0.0
 Aroclor-1221 3      ---                     0.0      3     ---                      0.0
             Col1Ave: <3 Quant Peaks                   Col2Ave: <3 Quant Peaks

 Aroclor-1232 1      ---                     0.0      1     ---                      0.0
 Aroclor-1232 2      ---                     0.0      2     ---                      0.0
 Aroclor-1232 3      ---                     0.0      3     ---                      0.0
 Aroclor-1232 4      ---                     0.0      4     ---                      0.0
             Col1Ave: <3 Quant Peaks                   Col2Ave: <3 Quant Peaks

 Aroclor-1242 1      ---                     0.0      1     ---                      0.0
 Aroclor-1242 2      ---                     0.0      2     ---                      0.0
 Aroclor-1242 3      ---                     0.0      3     ---                      0.0
 Aroclor-1242 4      ---                     0.0      4     ---                      0.0
             Col1Ave: <3 Quant Peaks                   Col2Ave: <3 Quant Peaks

 Aroclor-1248 1   8.404  -0.020     83667   502.8      1    8.312  -0.009    44116   385.5
 Aroclor-1248 2   8.578  -0.021     44964   211.6      2    8.717  -0.010    35437   294.4
 Aroclor-1248 3   8.996  -0.020    144967   379.3      3    9.149  -0.024    63282   432.2
 Aroclor-1248 4   9.297  -0.012    179598   959.1      4    9.541  -0.057    50440   293.5
       Total Col1Ave (4 peaks):   513.2       Total Col2Ave (4 peaks):   351.4   RPD = 37
       Corrected Ave (3 peaks):   364.6       Corrected Ave (3 peaks):   324.4   RPD = 12
                                                                      370.7
 Aroclor-1254 1   9.297  -0.019    179598   527.0      1    9.447  -0.013   106320   588.6
 Aroclor-1254 2   9.373  -0.022     79927   603.1      2    9.966  -0.013    70819   487.7
 Aroclor-1254 3   9.663  -0.023    117694   546.8      3   10.114  -0.018   199742   639.9
 Aroclor-1254 4   9.797  -0.028    246405   587.3      4   10.351  -0.029   216755   670.5
 Aroclor-1254 5  10.139  -0.052    261882   910.6      5   10.563  -0.014   113484   727.9
       Total Col1Ave (5 peaks):   635.0       Total Col2Ave (5 peaks):   622.9   RPD = 2
       Corrected Ave (4 peaks):   566.1       Corrected Ave (4 peaks):   596.7   RPD = 5

 Aroclor-1260 1  11.042  -0.015     55612   374.4      1   11.651  -0.010    69678   406.6
 Aroclor-1260 2  11.359  -0.015     50424   328.2      2   11.913  -0.013    87415   203.3
 Aroclor-1260 3  11.728  -0.019    111066   275.2      3   12.432  -0.013    27579   240.8
 Aroclor-1260 4  12.128  -0.026     84368   410.4      4   12.496  -0.014    63926   223.0
 Aroclor-1260 5  12.244  -0.012     41273   490.5      NS    ---                     ----
       Total Col1Ave (5 peaks):   375.7       Total Col2Ave (4 peaks):   268.4   RPD = 33
       Corrected Ave (4 peaks):   347.0       Corrected Ave (3 peaks):   222.4   RPD = 44*

 Aroclor-1262 1      ---                     0.0      1     ---                      0.0
 Aroclor-1262 2      ---                     0.0      2     ---                      0.0
 Aroclor-1262 3      ---                     0.0      3     ---                      0.0
 Aroclor-1262 4      ---                     0.0      4     ---                      0.0
             Col1Ave: <3 Quant Peaks                   Col2Ave: <3 Quant Peaks

 Aroclor-1268 1      ---                     0.0      1     ---                      0.0
 Aroclor-1268 2      ---                     0.0      2     ---                      0.0
 Aroclor-1268 3      ---                     0.0      3     ---                      0.0
 Aroclor-1268 4      ---                     0.0      4     ---                      0.0
             Col1Ave: <3 Quant Peaks                   Col2Ave: <3 Quant Peaks
```

```
Total PCB Area Col1 (5.931 - 13.802) =    3988682     Col1 Total PCB = 1.1 ppm*

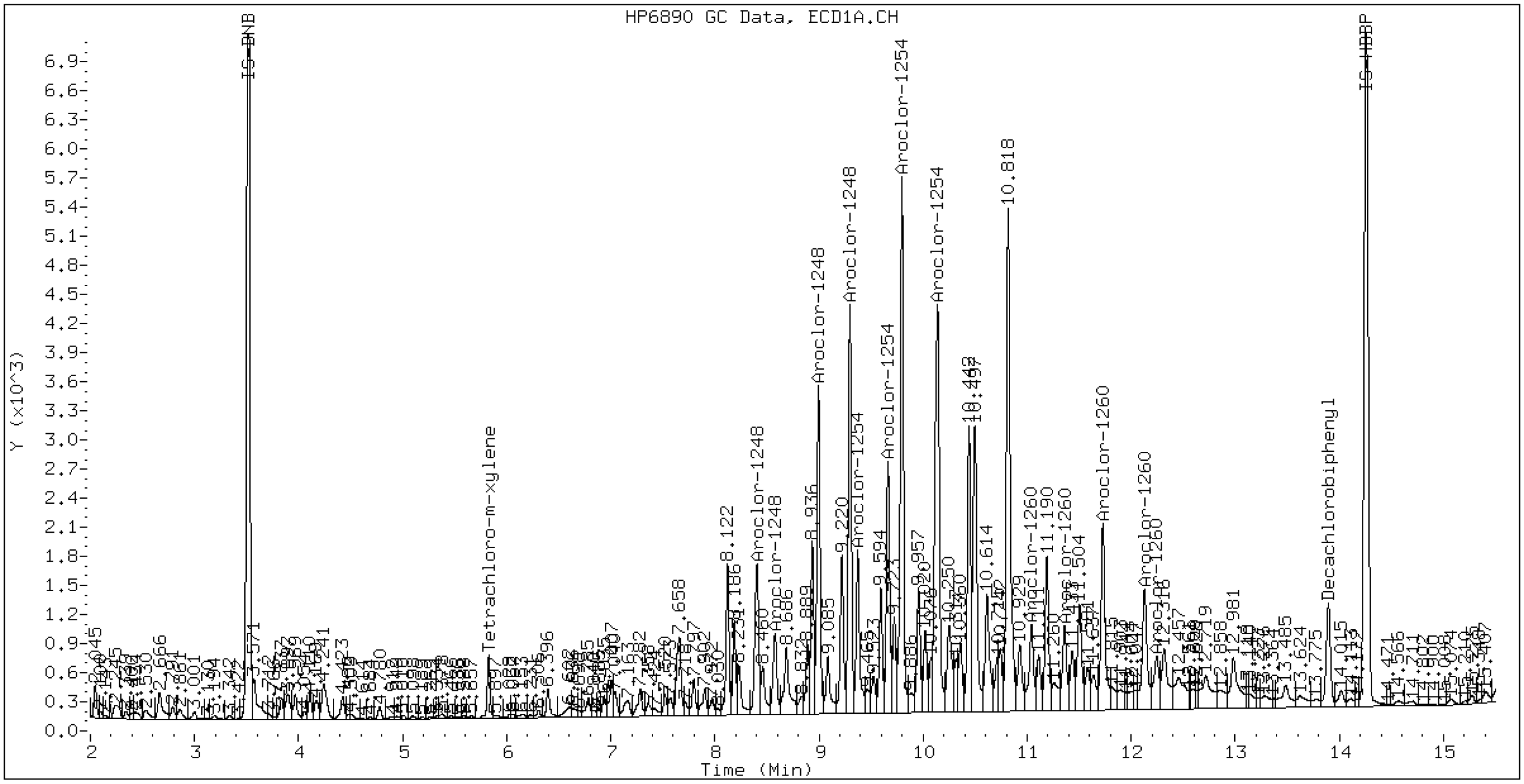
Total PCB Area Col2 (5.807 - 14.027) =    2441429     Col2 Total PCB = 0.9 ppm*

  *  Quantitated against AR1660 0.25ppm in Ical
```

PCB-Form 10 Mod.

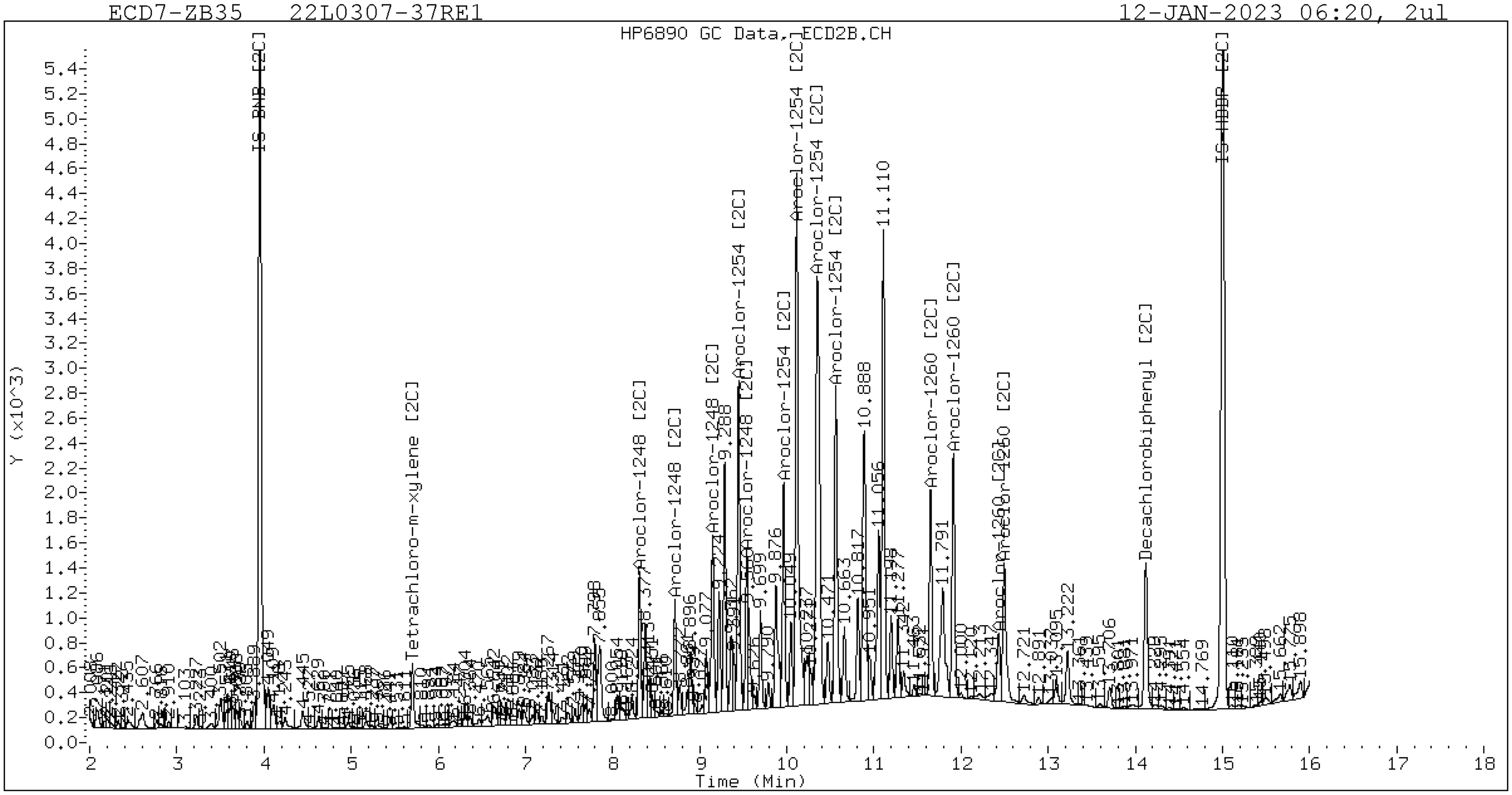
PCB Dual Column Chromatograms

ECD7-ZB5 22L0307-37RE1 12-JAN-2023 06:20, 2ul



ZB-5 Manual Integration: YES

ECD7-ZB35 22L0307-37RE1 12-JAN-2023 06:20, 2ul

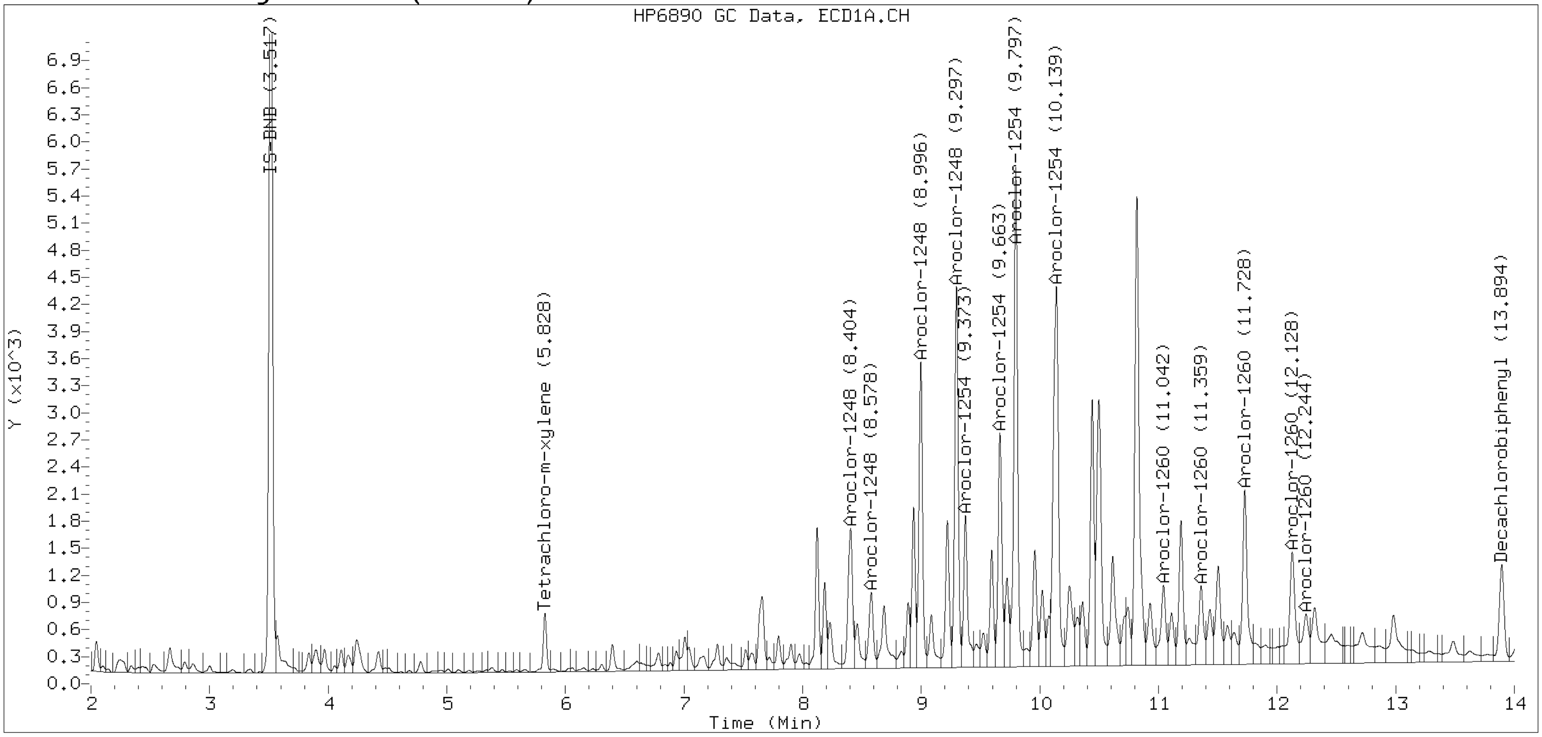


ZB-35 Manual Integration: YES

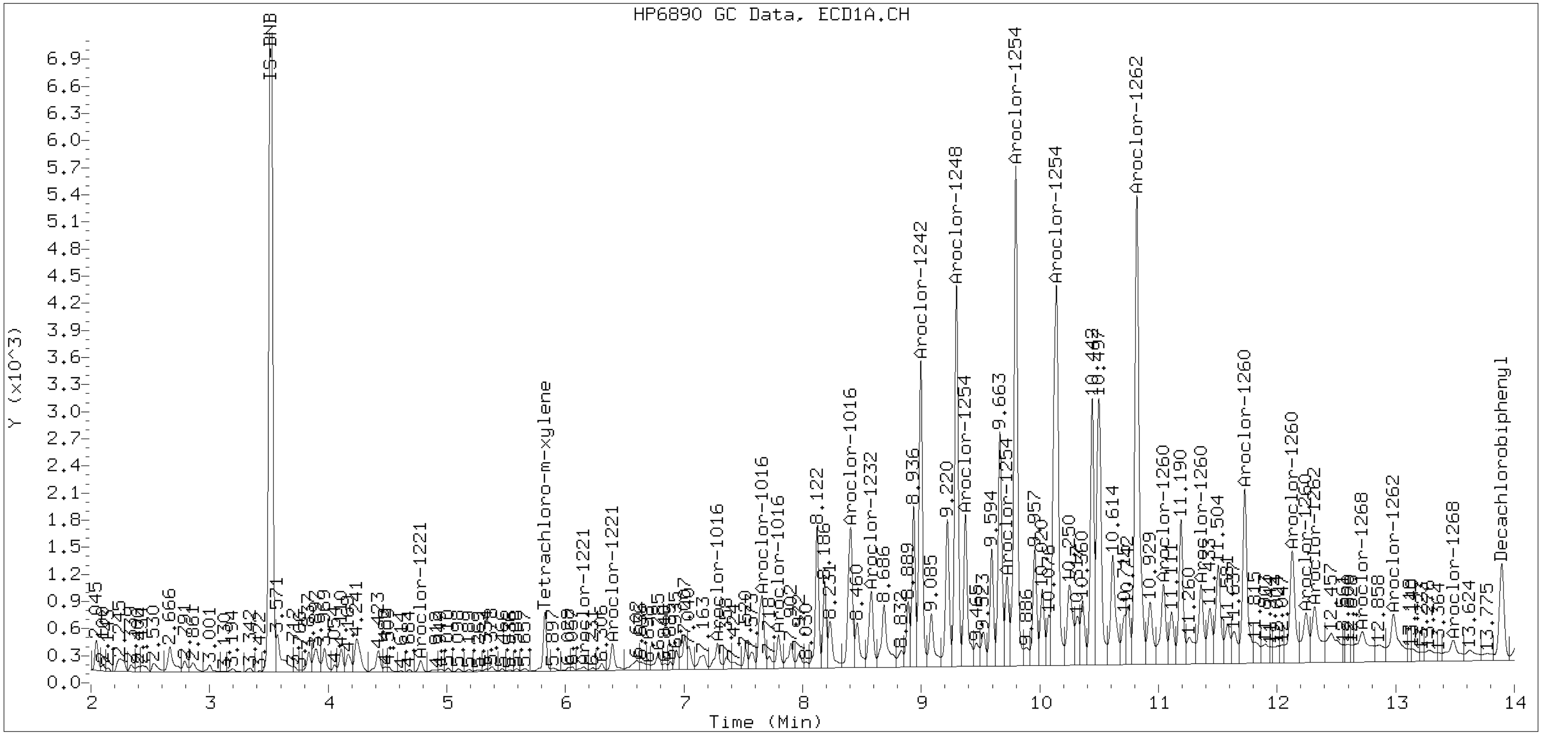
Manual Peak Adjustment, ZB-5

Datafile: ecd7.i/230111.b/01112362ECD7.D   Injection Date: 12-JAN-2023 06:20

Manual Integration (After)



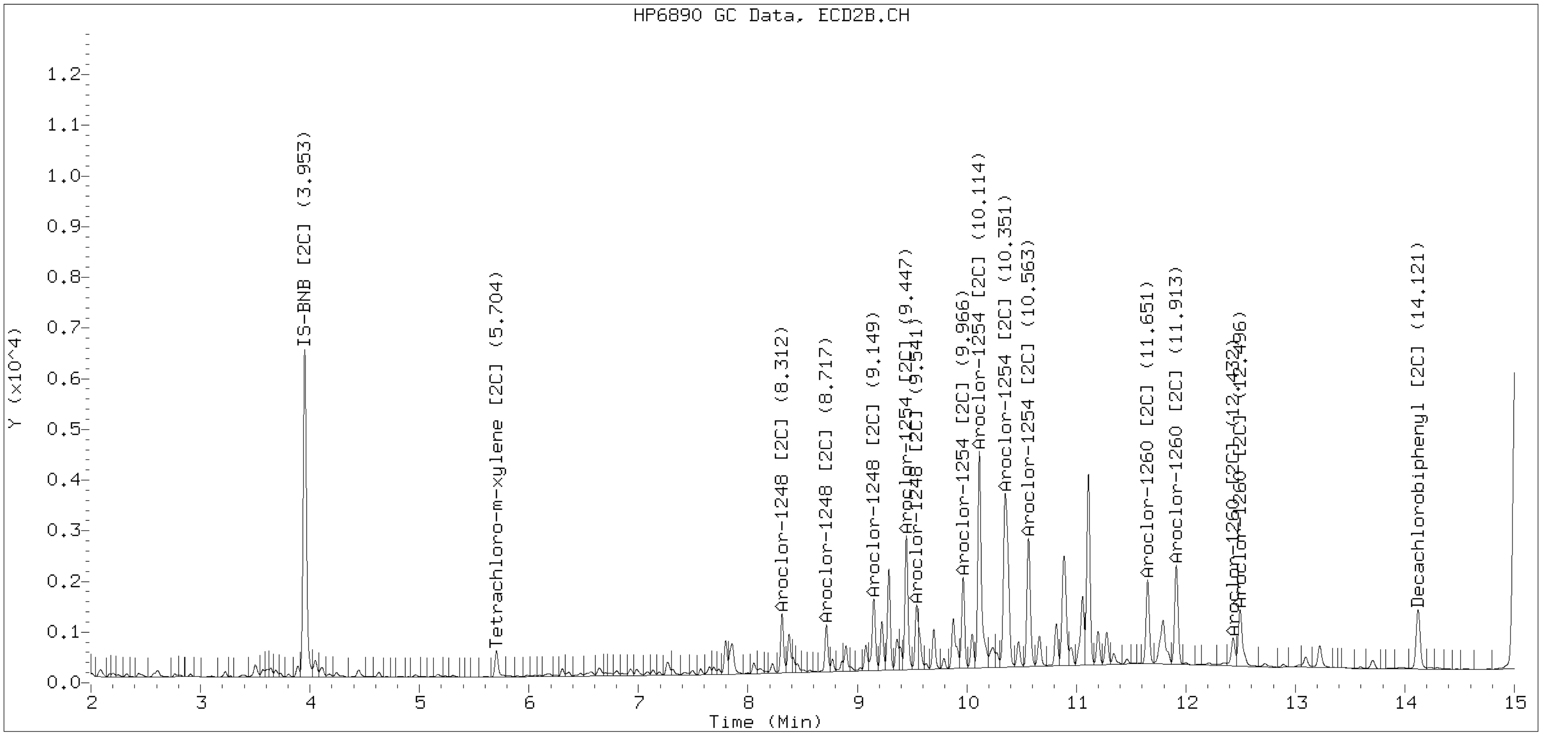
Processed Integration (Before)



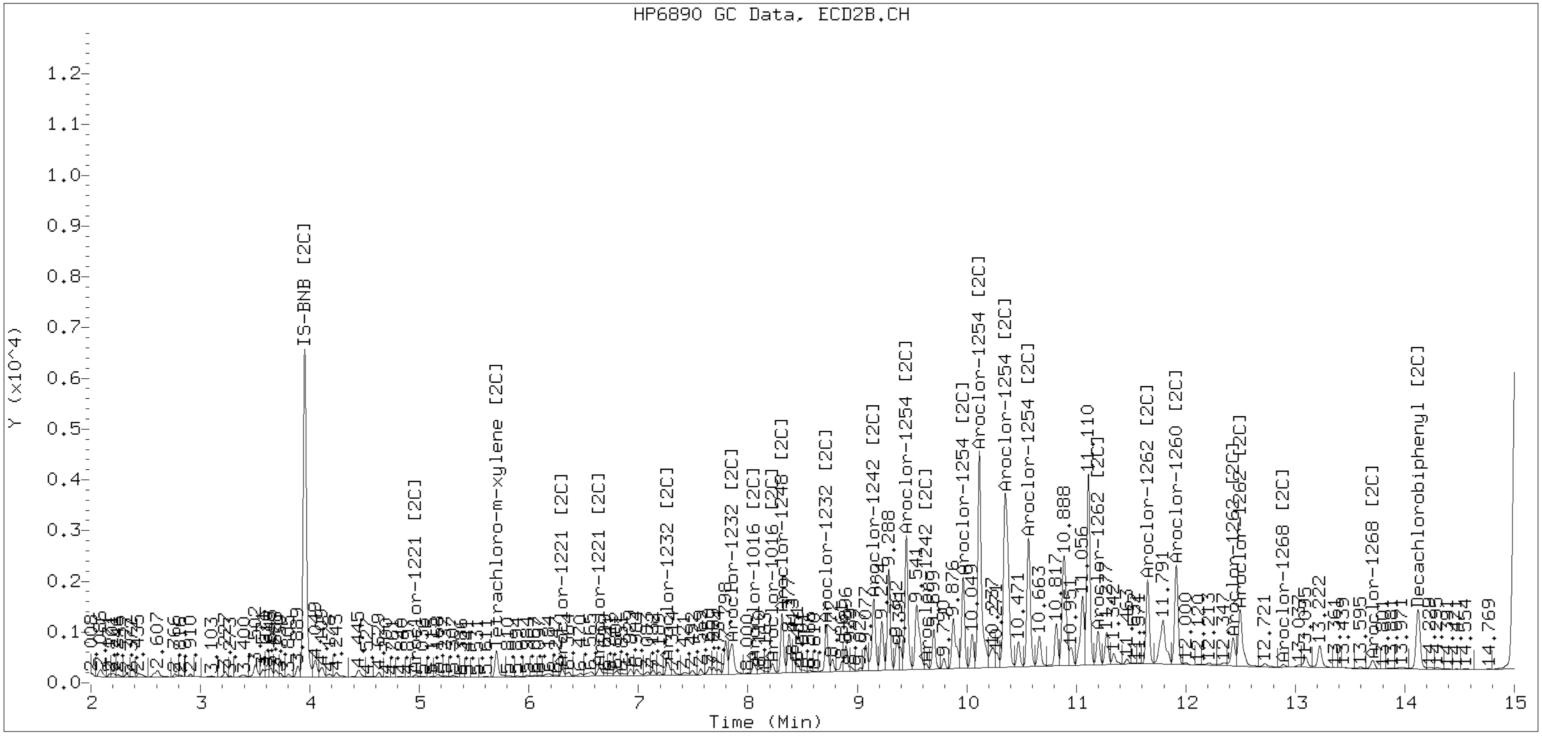
Manual Peak Adjustment, ZB-35

Datafile: ecd7.i/230111.b/230111.b/01112362ECD7.D   Injection Date: 12-JAN-2023

Manual Integration (After)



Processed Integration (Before)



LDW22-SC804E

Dual Column

ORGANIC ANALYSIS DATA SHEET
EPA 8082A

Laboratory: Analytical Resources, LLC

SDG: 22L0307

Client: Anchor QEA, LLC

Project: AOC4 UR Phase 3

Matrix:	Solid	Laboratory ID:	22L0307-38 B	File ID:	01072350ECD7.D
Sampled:	12/12/22 11:18	Prepared:	12/28/22 14:11	Analyzed:	01/08/23 02:50
% Solids:	79.11	Preparation:	EPA 3546 (Microwave)	Initial/Final:	15.8 g Wet / 2.5 mL
Batch:	BKL0582	Sequence:	SLA0099	Calibration:	FL00010
Instrument:	ECD7	Column 1:	ZB5	Column 2:	ZB35

CAS NO.	COMPOUND	Col #	DILUTION	CONC. (ug/kg dry)	MDL	MRL	Q
12674-11-2	Aroclor 1016	1	1	4.0	1.6	4.0	U
11104-28-2	Aroclor 1221	1	1	4.0	1.6	4.0	U
11141-16-5	Aroclor 1232	1	1	4.0	1.6	4.0	U
53469-21-9	Aroclor 1242	1	1	4.0	1.6	4.0	U
12672-29-6	Aroclor 1248	1	1	4.0	1.6	4.0	U
11097-69-1	Aroclor 1254	2	1	6.9	1.6	4.0	
11096-82-5	Aroclor 1260	2	1	5.0	0.6	4.0	

SURROGATES	Col #	ADDED (ug/kg dry)	CONC (ug/kg dry)	% REC	QC LIMITS	Q
Decachlorobiphenyl	*1*	*8.0004*	*7.28*	*91.0*	*40 - 126*	
Tetrachlorometaxylene	*1*	*8.0004*	*5.38*	*67.3*	*44 - 120*	
Decachlorobiphenyl	*2*	*8.0004*	*7.12*	*89.0*	*40 - 126*	
Tetrachlorometaxylene	*2*	*8.0004*	*5.43*	*67.8*	*44 - 120*	

```
                              Analytical Resources Inc.
                         Dual Column 608/8082 PCB Quantitation Report

Data file 1: /230107.b/01072350ECD7.D                       ARI ID: 22L0307-38
Data file 2: /230107.b/230107.b/01072350ECD7.D              Client ID:
Method: \\target\share\chem4\ecd7.i\230107.b\PCB.m          Injection Date: 08-JAN-2023 02:50
Compound Sublist: PCB.sub                                   Report Date: 01/11/2023 15:13
Instrument, Inj. Vol.: ecd7.i, 2ul                          Matrix: NONE
Quant Method: Internal Std                                  Dilution Factor:  1.0



                                 SURROGATES

       ZB5 Col          |       ZB35 Col         |   ZB5    ZB35
  RT    Shift Response | RT    Shift  Response   |  on col  on col    RPD   Compound/Flag
============================================================================================

  5.828 -0.005   176679 | 5.705  -0.004   125077|   26.9    27.1      0.8    Tetrachloro-m-xylene
 13.896 -0.008   158396 |14.122  -0.006   179393|   36.4    35.6      2.2    Decachlorobiphenyl


*  Indicates RPD > 40%




                            INTERNAL STANDARD SUMMARY

                                        Column 1
                                 Standard    Sample
                  Standard Cpnd       Area*       Area      %D
              --------------------------------------------------
                Bromo-Nitrobenzene    447645      463147    3.5
                Hexabromobiphenyl     798898      474748  -40.6

                                        Column 2
                                 Standard    Sample
                  Standard Cpnd       Area*       Area      %D
              --------------------------------------------------
                Bromo-Nitrobenzene    249094     336271    35.0
                Hexabromobiphenyl     362541     354943    -2.1


               * Standard Areas taken from Initial Cal Level 3
                 Initial Calibration Date: 03-DEC-2022
              <- Indicates standard response outside Limits (-50 to +100%)
```

```
                             ZB5 Col                                 ZB35 Col
 Aroclor   Peak#    RT    Shift    Area    Amount    Peak#   RT     Shift    Area   Amount
 ==========================================================================================
 Aroclor-1016 1      ---                    0.0      1     ---                       0.0
 Aroclor-1016 2      ---                    0.0      2     ---                       0.0
 Aroclor-1016 3      ---                    0.0      3     ---                       0.0
 Aroclor-1016 4      ---                    0.0      4     ---                       0.0
             Col1Ave: <3 Quant Peaks                  Col2Ave: <3 Quant Peaks

 Aroclor-1221 1      ---                    0.0      1     ---                       0.0
 Aroclor-1221 2      ---                    0.0      2     ---                       0.0
 Aroclor-1221 3      ---                    0.0      3     ---                       0.0
             Col1Ave: <3 Quant Peaks                  Col2Ave: <3 Quant Peaks

 Aroclor-1232 1      ---                    0.0      1     ---                       0.0
 Aroclor-1232 2      ---                    0.0      2     ---                       0.0
 Aroclor-1232 3      ---                    0.0      3     ---                       0.0
 Aroclor-1232 4      ---                    0.0      4     ---                       0.0
             Col1Ave: <3 Quant Peaks                  Col2Ave: <3 Quant Peaks

 Aroclor-1242 1      ---                    0.0      1     ---                       0.0
 Aroclor-1242 2      ---                    0.0      2     ---                       0.0
 Aroclor-1242 3      ---                    0.0      3     ---                       0.0
 Aroclor-1242 4      ---                    0.0      4     ---                       0.0
             Col1Ave: <3 Quant Peaks                  Col2Ave: <3 Quant Peaks

 Aroclor-1248 1      ---                    0.0      1     ---                       0.0
 Aroclor-1248 2      ---                    0.0      2     ---                       0.0
 Aroclor-1248 3      ---                    0.0      3     ---                       0.0
 Aroclor-1248 4      ---                    0.0      4     ---                       0.0
             Col1Ave: <3 Quant Peaks                  Col2Ave: <3 Quant Peaks

 Aroclor-1254 1   9.304  -0.007     11526    28.3      1    9.453  -0.008     6890    31.8
 Aroclor-1254 2   9.380  -0.008      5212    32.9      2    9.971  -0.009     3987    22.9
 Aroclor-1254 3   9.671  -0.008      5988    23.2      3   10.121  -0.013    13160    35.1
 Aroclor-1254 4   9.806  -0.008     14702    29.3      4   10.367  -0.015    16754    43.2
 Aroclor-1254 5  10.156  -0.012     10177    29.6      5   10.568  -0.010     7584    40.5
       Total Col1Ave (5 peaks):    28.6       Total Col2Ave (5 peaks):    34.7   RPD = 19
       Corrected Ave (4 peaks):    27.6       Corrected Ave (4 peaks):    32.6   RPD = 17

 Aroclor-1260 1  11.047  -0.013      3149    18.2      1   11.657  -0.006     5011    26.7
 Aroclor-1260 2  11.364  -0.011      1985    11.1      2   11.917  -0.011     5249    11.2
 Aroclor-1260 3  11.734  -0.017      5281    11.2      3   12.431  -0.014     5399    43.1
 Aroclor-1260 4  12.134  -0.020      9446    39.5      4   12.500  -0.011     6139    19.6
 Aroclor-1260 5  12.246  -0.011      2682    27.4      NS    ---                      ----
       Total Col1Ave (5 peaks):    21.5       Total Col2Ave (4 peaks):    25.2   RPD = 16
       Corrected Ave (4 peaks):    17.0       Corrected Ave (3 peaks):    19.2   RPD = 12

 Aroclor-1262 1      ---                    0.0      1     ---                       0.0
 Aroclor-1262 2      ---                    0.0      2     ---                       0.0
 Aroclor-1262 3      ---                    0.0      3     ---                       0.0
 Aroclor-1262 4      ---                    0.0      4     ---                       0.0
             Col1Ave: <3 Quant Peaks                  Col2Ave: <3 Quant Peaks

 Aroclor-1268 1      ---                    0.0      1     ---                       0.0
 Aroclor-1268 2      ---                    0.0      2     ---                       0.0
 Aroclor-1268 3      ---                    0.0      3     ---                       0.0
 Aroclor-1268 4      ---                    0.0      4     ---                       0.0
             Col1Ave: <3 Quant Peaks                  Col2Ave: <3 Quant Peaks
```

Total PCB Area Col1 (5.933 - 13.804) = 266106 Col1 Total PCB = 0.1 ppm*

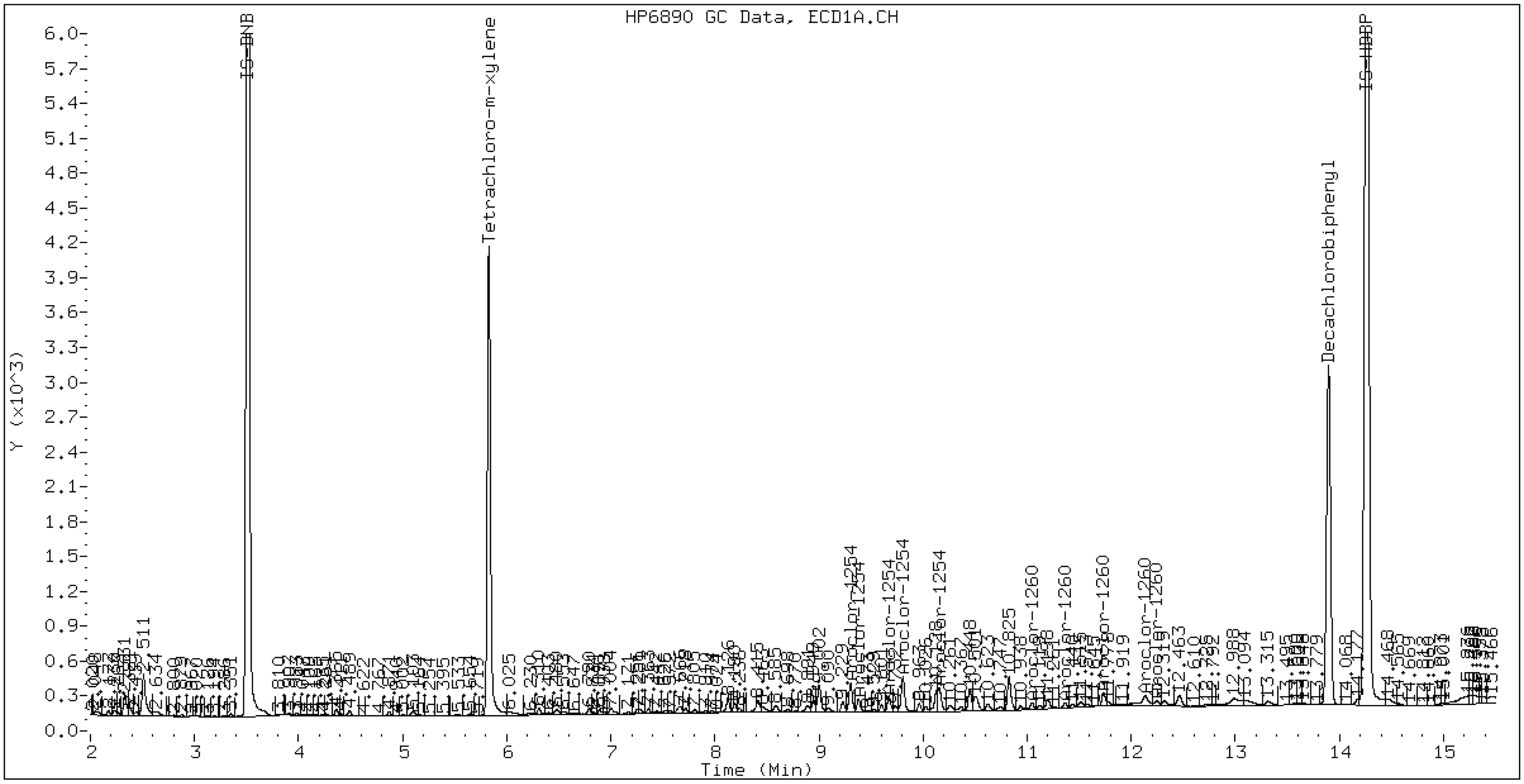
Total PCB Area Col2 (5.809 - 14.028) = 225231 Col2 Total PCB = 0.1 ppm*

* Quantitated against AR1660 0.25ppm in Ical

PCB-Form 10 Mod.

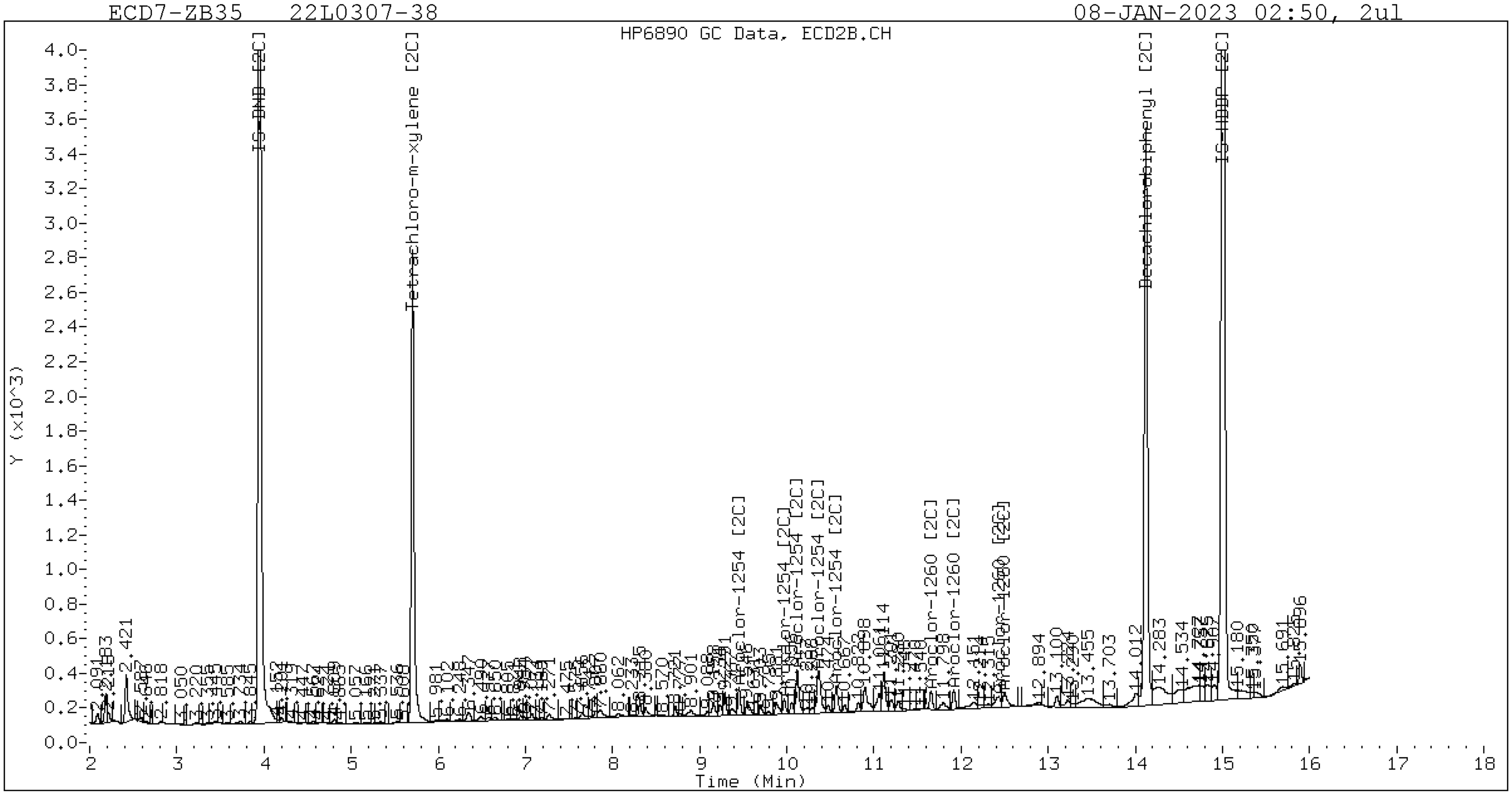
PCB Dual Column Chromatograms

ECD7-ZB5 22L0307-38 08-JAN-2023 02:50, 2ul



ZB-5 Manual Integration: NO

ECD7-ZB35 22L0307-38 08-JAN-2023 02:50, 2ul



ZB-35 Manual Integration: NO

LDW22-SC804F

Dual Column

ORGANIC ANALYSIS DATA SHEET
EPA 8082A

Laboratory:	Analytical Resources, LLC			SDG:	22L0307
Client:	Anchor QEA, LLC				
Project:	AOC4 UR Phase 3				
Matrix:	Solid	Laboratory ID:	22L0307-39 B	File ID:	01072351ECD7.D
Sampled:	12/12/22 11:18	Prepared:	12/28/22 14:11	Analyzed:	01/08/23 03:11
% Solids:	73.49	Preparation:	EPA 3546 (Microwave)	Initial/Final:	17.01 g Wet / 2.5 mL
Batch:	BKL0582	Sequence:	SLA0099	Calibration:	FL00010
Instrument:	ECD7	Column 1:	ZB5	Column 2:	ZB35

CAS NO.	COMPOUND	Col #	DILUTION	CONC. (ug/kg dry)	MDL	MRL	Q
12674-11-2	Aroclor 1016	1	1	4.0	1.6	4.0	U
11104-28-2	Aroclor 1221	1	1	4.0	1.6	4.0	U
11141-16-5	Aroclor 1232	1	1	4.0	1.6	4.0	U
53469-21-9	Aroclor 1242	1	1	4.0	1.6	4.0	U
12672-29-6	Aroclor 1248	1	1	4.0	1.6	4.0	U
11097-69-1	Aroclor 1254	1	1	4.0	1.6	4.0	U
11096-82-5	Aroclor 1260	1	1	4.0	0.6	4.0	U

SURROGATES	Col #	ADDED (ug/kg dry)	CONC (ug/kg dry)	% REC	QC LIMITS	Q
Decachlorobiphenyl	*1*	*7.9996*	*8.32*	*104*	*40 - 126*	
Tetrachlorometaxylene	*1*	*7.9996*	*6.69*	*83.6*	*44 - 120*	

```
                              Analytical Resources Inc.
                        Dual Column 608/8082 PCB Quantitation Report

 Data file 1: /230107.b/01072351ECD7.D                  ARI ID: 22L0307-39
 Data file 2: /230107.b/230107.b/01072351ECD7.D         Client ID:
 Method: \\target\share\chem4\ecd7.i\230107.b\PCB.m     Injection Date: 08-JAN-2023 03:11
 Compound Sublist: PCB.sub                              Report Date: 01/11/2023 15:13
 Instrument, Inj. Vol.: ecd7.i, 2ul                     Matrix: NONE
 Quant Method: Internal Std                             Dilution Factor:  1.0



                                 SURROGATES

        ZB5 Col          |        ZB35 Col          |   ZB5    ZB35
   RT    Shift Response | RT    Shift  Response  |  on col  on col    RPD   Compound/Flag
 ===========================================================================================

  5.830 -0.003   217770 | 5.707  -0.002   147163|   33.4    32.3      3.4    Tetrachloro-m-xylene
 13.898 -0.006   228291 |14.123  -0.005   227343|   41.6    40.5      2.6    Decachlorobiphenyl


*  Indicates RPD > 40%




                             INTERNAL STANDARD SUMMARY

                                         Column 1
                                   Standard    Sample
                  Standard Cpnd       Area*       Area      %D
              --------------------------------------------------
                Bromo-Nitrobenzene    447645      459492    2.6
                Hexabromobiphenyl     798898      598780  -25.0

                                         Column 2
                                   Standard    Sample
                  Standard Cpnd       Area*       Area      %D
              --------------------------------------------------
                Bromo-Nitrobenzene    249094     332058    33.3
                Hexabromobiphenyl     362541     395142     9.0


               * Standard Areas taken from Initial Cal Level 3
                 Initial Calibration Date: 03-DEC-2022
              <- Indicates standard response outside Limits (-50 to +100%)
```

```
//target/share/chem4/ecd7.i/230107.b/01072351ECD7.D      22L0307-39                        page 2
                             ZB5 Col                           ZB35 Col
 Aroclor   Peak#    RT    Shift    Area    Amount    Peak#   RT     Shift    Area   Amount
 =========================================================================================
 Aroclor-1016 1      ---                      0.0      1     ---                      0.0
 Aroclor-1016 2      ---                      0.0      2     ---                      0.0
 Aroclor-1016 3      ---                      0.0      3     ---                      0.0
 Aroclor-1016 4      ---                      0.0      4     ---                      0.0
             Col1Ave: <3 Quant Peaks                    Col2Ave: <3 Quant Peaks

 Aroclor-1221 1      ---                      0.0      1     ---                      0.0
 Aroclor-1221 2      ---                      0.0      2     ---                      0.0
 Aroclor-1221 3      ---                      0.0      3     ---                      0.0
             Col1Ave: <3 Quant Peaks                    Col2Ave: <3 Quant Peaks

 Aroclor-1232 1      ---                      0.0      1     ---                      0.0
 Aroclor-1232 2      ---                      0.0      2     ---                      0.0
 Aroclor-1232 3      ---                      0.0      3     ---                      0.0
 Aroclor-1232 4      ---                      0.0      4     ---                      0.0
             Col1Ave: <3 Quant Peaks                    Col2Ave: <3 Quant Peaks

 Aroclor-1242 1      ---                      0.0      1     ---                      0.0
 Aroclor-1242 2      ---                      0.0      2     ---                      0.0
 Aroclor-1242 3      ---                      0.0      3     ---                      0.0
 Aroclor-1242 4      ---                      0.0      4     ---                      0.0
             Col1Ave: <3 Quant Peaks                    Col2Ave: <3 Quant Peaks

 Aroclor-1248 1      ---                      0.0      1     ---                      0.0
 Aroclor-1248 2      ---                      0.0      2     ---                      0.0
 Aroclor-1248 3      ---                      0.0      3     ---                      0.0
 Aroclor-1248 4      ---                      0.0      4     ---                      0.0
             Col1Ave: <3 Quant Peaks                    Col2Ave: <3 Quant Peaks

 Aroclor-1254 1      ---                      0.0      1     ---                      0.0
 Aroclor-1254 2      ---                      0.0      2     ---                      0.0
 Aroclor-1254 3      ---                      0.0      3     ---                      0.0
 Aroclor-1254 4      ---                      0.0      4     ---                      0.0
 Aroclor-1254 5      ---                      0.0      5     ---                      0.0
             Col1Ave: <3 Quant Peaks                    Col2Ave: <3 Quant Peaks

 Aroclor-1260 1      ---                      0.0      1     ---                      0.0
 Aroclor-1260 2      ---                      0.0      2     ---                      0.0
 Aroclor-1260 3      ---                      0.0      3     ---                      0.0
 Aroclor-1260 4      ---                      0.0      4     ---                      0.0
 Aroclor-1260 5      ---                      0.0      NS    ---                     ----
             Col1Ave: <3 Quant Peaks                    Col2Ave: <3 Quant Peaks

 Aroclor-1262 1      ---                      0.0      1     ---                      0.0
 Aroclor-1262 2      ---                      0.0      2     ---                      0.0
 Aroclor-1262 3      ---                      0.0      3     ---                      0.0
 Aroclor-1262 4      ---                      0.0      4     ---                      0.0
             Col1Ave: <3 Quant Peaks                    Col2Ave: <3 Quant Peaks

 Aroclor-1268 1      ---                      0.0      1     ---                      0.0
 Aroclor-1268 2      ---                      0.0      2     ---                      0.0
 Aroclor-1268 3      ---                      0.0      3     ---                      0.0
 Aroclor-1268 4      ---                      0.0      4     ---                      0.0
             Col1Ave: <3 Quant Peaks                    Col2Ave: <3 Quant Peaks




 Total PCB Area Col1 (5.933 - 13.804) =      110013     Col1 Total PCB = 0.0 ppm*
```

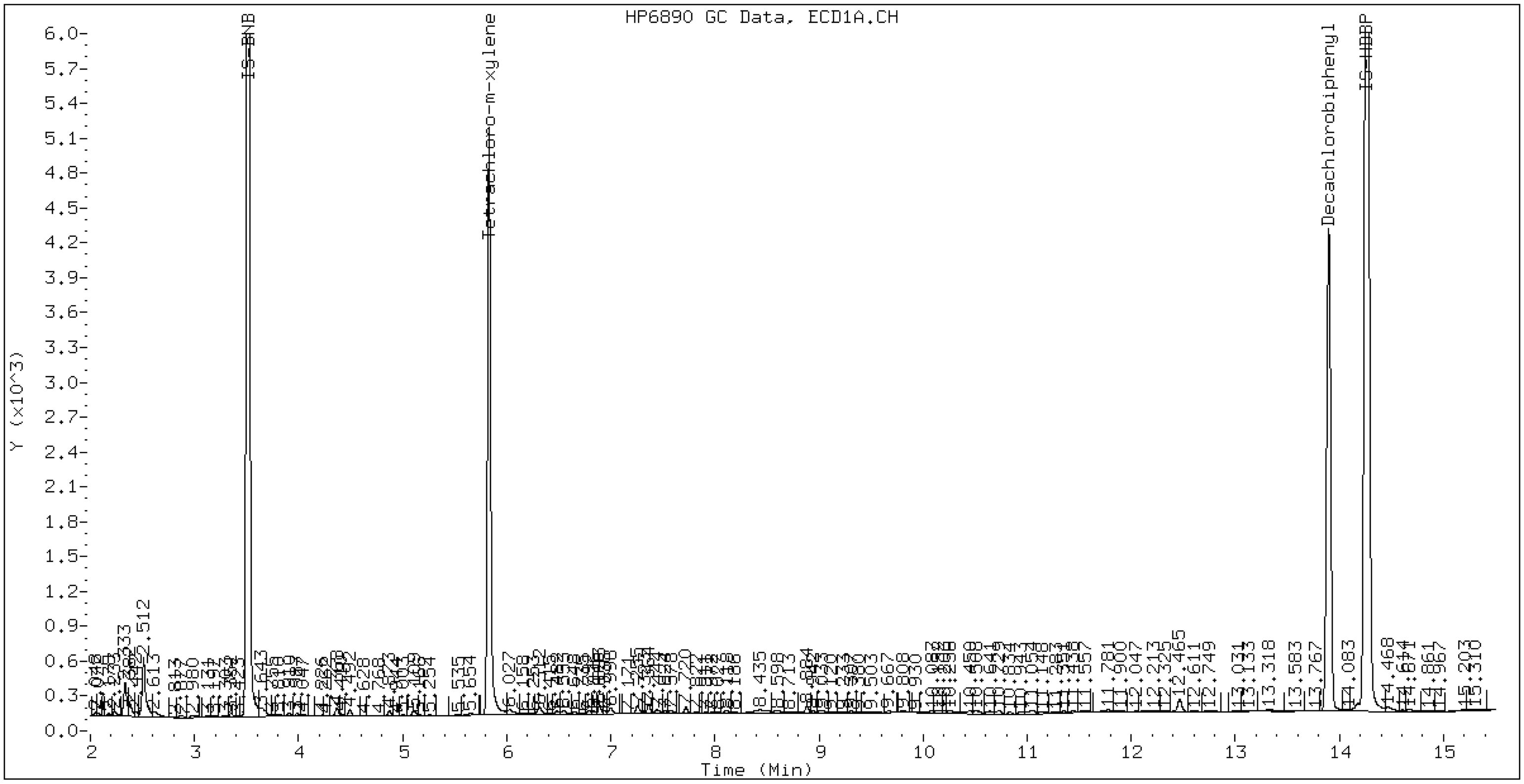
```
Total PCB Area Col2 (5.809 - 14.028) =      67963     Col2 Total PCB = 0.0 ppm*

  *  Quantitated against AR1660 0.25ppm in Ical

                                    PCB-Form 10 Mod.
```

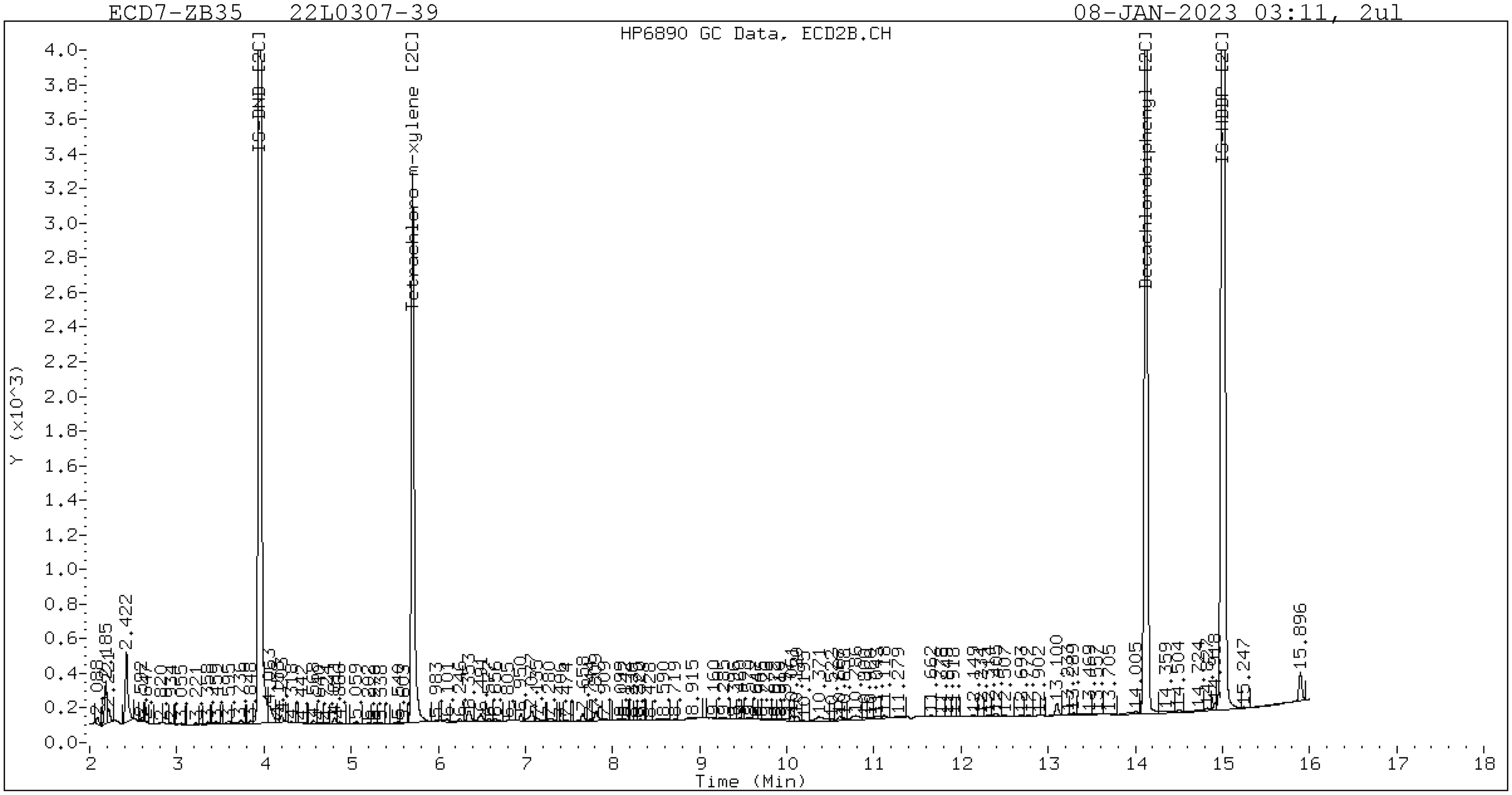
PCB Dual Column Chromatograms

ECD7-ZB5 22L0307-39 08-JAN-2023 03:11, 2ul



ZB-5 Manual Integration: NO

ECD7-ZB35 22L0307-39 08-JAN-2023 03:11, 2ul



ZB-35 Manual Integration: NO

LDW22-SC804F-FD

Dual Column

ORGANIC ANALYSIS DATA SHEET
EPA 8082A

Laboratory:	Analytical Resources, LLC			SDG:	22L0307
Client:	Anchor QEA, LLC				
Project:	AOC4 UR Phase 3				
Matrix:	Solid	Laboratory ID:	22L0307-40 B	File ID:	01072352ECD7.D
Sampled:	12/12/22 11:18	Prepared:	12/28/22 14:11	Analyzed:	01/08/23 03:32
% Solids:	74.15	Preparation:	EPA 3546 (Microwave)	Initial/Final:	16.9 g Wet / 2.5 mL
Batch:	BKL0582	Sequence:	SLA0099	Calibration:	FL00010
Instrument:	ECD7	Column 1:	ZB5	Column 2:	ZB35

CAS NO.	COMPOUND	Col #	DILUTION	CONC. (ug/kg dry)	MDL	MRL	Q
12674-11-2	Aroclor 1016	1	1	4.0	1.6	4.0	U
11104-28-2	Aroclor 1221	1	1	4.0	1.6	4.0	U
11141-16-5	Aroclor 1232	1	1	4.0	1.6	4.0	U
53469-21-9	Aroclor 1242	1	1	4.0	1.6	4.0	U
12672-29-6	Aroclor 1248	1	1	4.0	1.6	4.0	U
11097-69-1	Aroclor 1254	1	1	4.0	1.6	4.0	U
11096-82-5	Aroclor 1260	1	1	4.0	0.6	4.0	U

SURROGATES	Col #	ADDED (ug/kg dry)	CONC (ug/kg dry)	% REC	QC LIMITS	Q
Decachlorobiphenyl	*1*	*7.9800*	*8.85*	*111*	*40 - 126*	
Tetrachlorometaxylene	*1*	*7.9800*	*7.00*	*87.7*	*44 - 120*	

```
                              Analytical Resources Inc.
                         Dual Column 608/8082 PCB Quantitation Report

 Data file 1: /230107.b/01072352ECD7.D                  ARI ID: 22L0307-40
 Data file 2: /230107.b/230107.b/01072352ECD7.D         Client ID:
 Method: \\target\share\chem4\ecd7.i\230107.b\PCB.m     Injection Date: 08-JAN-2023 03:32
 Compound Sublist: PCB.sub                              Report Date: 01/11/2023 15:13
 Instrument, Inj. Vol.: ecd7.i, 2ul                     Matrix: NONE
 Quant Method: Internal Std                             Dilution Factor:  1.0



                                 SURROGATES

        ZB5 Col         |       ZB35 Col         |   ZB5    ZB35
   RT    Shift Response | RT    Shift  Response  |  on col  on col    RPD   Compound/Flag
 ============================================================================================

  5.829 -0.004   227958 | 5.705  -0.004   153802|   35.1    33.9      3.6    Tetrachloro-m-xylene
 13.897 -0.007   271888 |14.124  -0.004   266146|   44.4    42.4      4.5    Decachlorobiphenyl


*  Indicates RPD > 40%



                              INTERNAL STANDARD SUMMARY

                                         Column 1
                                  Standard    Sample
                  Standard Cpnd      Area*       Area      %D
              --------------------------------------------------
                Bromo-Nitrobenzene    447645      458366    2.4
                Hexabromobiphenyl     798898      668656  -16.3

                                         Column 2
                                  Standard    Sample
                  Standard Cpnd      Area*       Area      %D
              --------------------------------------------------
                Bromo-Nitrobenzene    249094     331323    33.0
                Hexabromobiphenyl     362541     442225    22.0


               * Standard Areas taken from Initial Cal Level 3
                 Initial Calibration Date: 03-DEC-2022
              <- Indicates standard response outside Limits (-50 to +100%)
```

```
                              ZB5 Col                                  ZB35 Col
 Aroclor   Peak#    RT    Shift    Area    Amount    Peak#   RT     Shift    Area   Amount
 ==========================================================================================
 Aroclor-1016 1      ---                     0.0      1     ---                     0.0
 Aroclor-1016 2      ---                     0.0      2     ---                     0.0
 Aroclor-1016 3      ---                     0.0      3     ---                     0.0
 Aroclor-1016 4      ---                     0.0      4     ---                     0.0
            Col1Ave: <3 Quant Peaks                   Col2Ave: <3 Quant Peaks

 Aroclor-1221 1      ---                     0.0      1     ---                     0.0
 Aroclor-1221 2      ---                     0.0      2     ---                     0.0
 Aroclor-1221 3      ---                     0.0      3     ---                     0.0
            Col1Ave: <3 Quant Peaks                   Col2Ave: <3 Quant Peaks

 Aroclor-1232 1      ---                     0.0      1     ---                     0.0
 Aroclor-1232 2      ---                     0.0      2     ---                     0.0
 Aroclor-1232 3      ---                     0.0      3     ---                     0.0
 Aroclor-1232 4      ---                     0.0      4     ---                     0.0
            Col1Ave: <3 Quant Peaks                   Col2Ave: <3 Quant Peaks

 Aroclor-1242 1      ---                     0.0      1     ---                     0.0
 Aroclor-1242 2      ---                     0.0      2     ---                     0.0
 Aroclor-1242 3      ---                     0.0      3     ---                     0.0
 Aroclor-1242 4      ---                     0.0      4     ---                     0.0
            Col1Ave: <3 Quant Peaks                   Col2Ave: <3 Quant Peaks

 Aroclor-1248 1      ---                     0.0      1     ---                     0.0
 Aroclor-1248 2      ---                     0.0      2     ---                     0.0
 Aroclor-1248 3      ---                     0.0      3     ---                     0.0
 Aroclor-1248 4      ---                     0.0      4     ---                     0.0
            Col1Ave: <3 Quant Peaks                   Col2Ave: <3 Quant Peaks

 Aroclor-1254 1      ---                     0.0      1     ---                     0.0
 Aroclor-1254 2      ---                     0.0      2     ---                     0.0
 Aroclor-1254 3      ---                     0.0      3     ---                     0.0
 Aroclor-1254 4      ---                     0.0      4     ---                     0.0
 Aroclor-1254 5      ---                     0.0      5     ---                     0.0
            Col1Ave: <3 Quant Peaks                   Col2Ave: <3 Quant Peaks

 Aroclor-1260 1      ---                     0.0      1     ---                     0.0
 Aroclor-1260 2      ---                     0.0      2     ---                     0.0
 Aroclor-1260 3      ---                     0.0      3     ---                     0.0
 Aroclor-1260 4      ---                     0.0      4     ---                     0.0
 Aroclor-1260 5      ---                     0.0      NS    ---                    ----
            Col1Ave: <3 Quant Peaks                   Col2Ave: <3 Quant Peaks

 Aroclor-1262 1      ---                     0.0      1     ---                     0.0
 Aroclor-1262 2      ---                     0.0      2     ---                     0.0
 Aroclor-1262 3      ---                     0.0      3     ---                     0.0
 Aroclor-1262 4      ---                     0.0      4     ---                     0.0
            Col1Ave: <3 Quant Peaks                   Col2Ave: <3 Quant Peaks

 Aroclor-1268 1      ---                     0.0      1     ---                     0.0
 Aroclor-1268 2      ---                     0.0      2     ---                     0.0
 Aroclor-1268 3      ---                     0.0      3     ---                     0.0
 Aroclor-1268 4      ---                     0.0      4     ---                     0.0
            Col1Ave: <3 Quant Peaks                   Col2Ave: <3 Quant Peaks




 Total PCB Area Col1 (5.933 - 13.804) =     154032     Col1 Total PCB = 0.0 ppm*
```

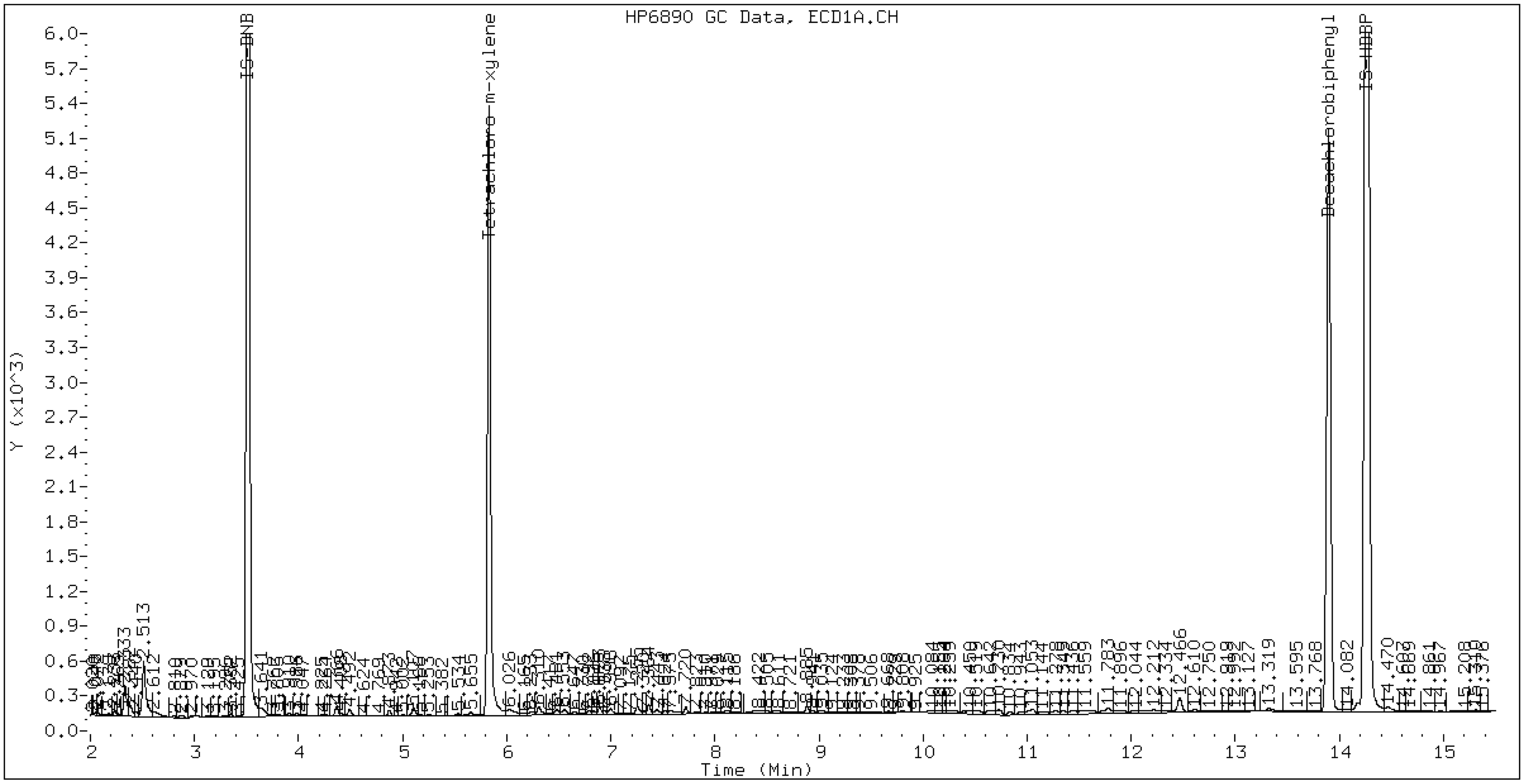
```
Total PCB Area Col2 (5.809 - 14.028) =      78521     Col2 Total PCB = 0.0 ppm*

  *  Quantitated against AR1660 0.25ppm in Ical

                                    PCB-Form 10 Mod.
```

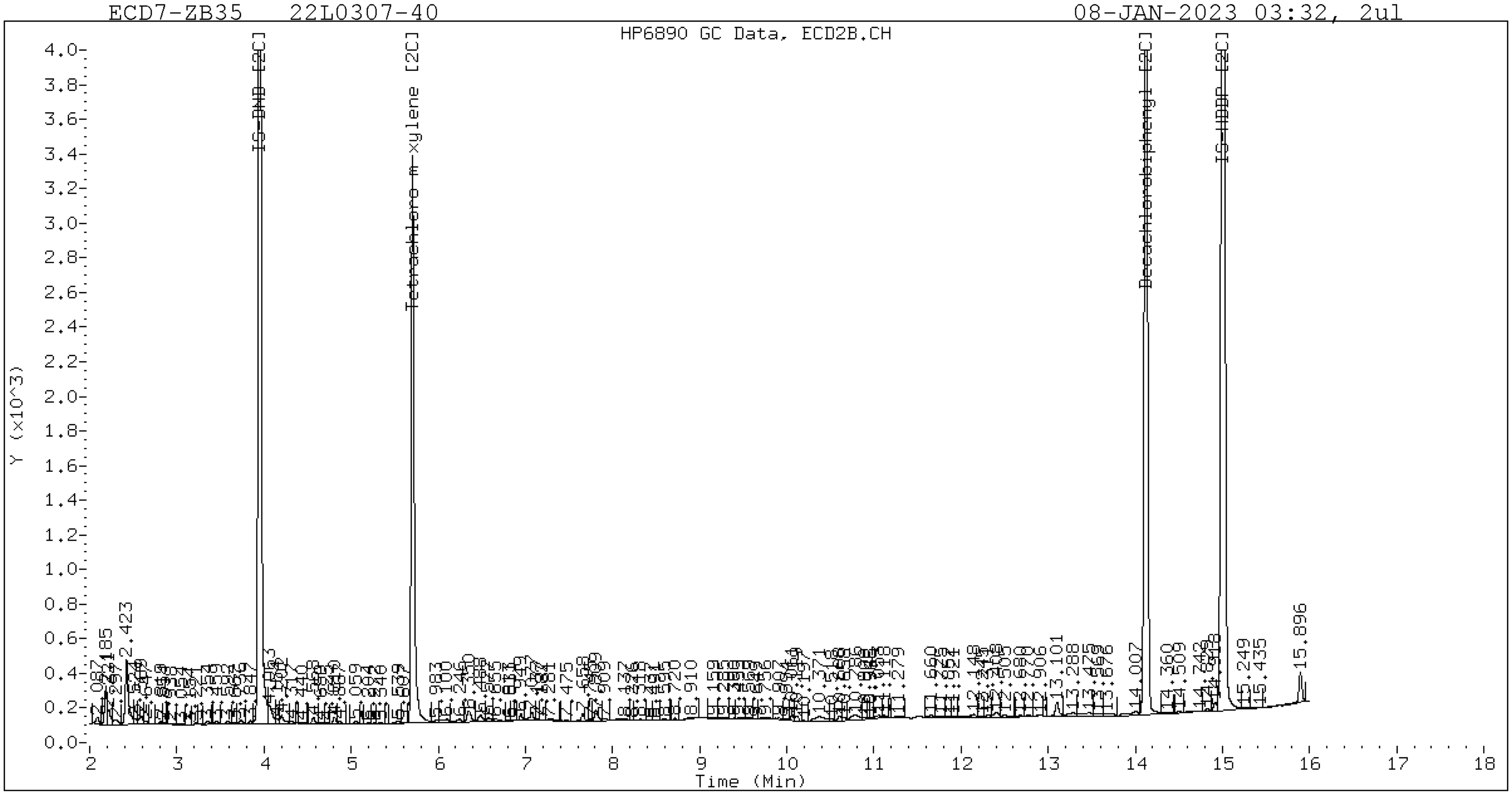
PCB Dual Column Chromatograms

ECD7-ZB5 22L0307-40 08-JAN-2023 03:32, 2ul



ZB-5 Manual Integration: NO

ECD7-ZB35 22L0307-40 08-JAN-2023 03:32, 2ul



ZB-35 Manual Integration: NO

LDW22-SC804G

Dual Column

ORGANIC ANALYSIS DATA SHEET
EPA 8082A

Laboratory:	Analytical Resources, LLC			SDG:	22L0307
Client:	Anchor QEA, LLC				
Project:	AOC4 UR Phase 3				
Matrix:	Solid	Laboratory ID:	22L0307-41 B	File ID:	01092308ECD7.D
Sampled:	12/12/22 11:18	Prepared:	12/29/22 13:41	Analyzed:	01/09/23 11:31
% Solids:	70.76	Preparation:	EPA 3546 (Microwave)	Initial/Final:	17.67 g Wet / 2.5 mL
Batch:	BKL0583	Sequence:	SLA0129	Calibration:	FL00010
Instrument:	ECD7	Column 1:	ZB5	Column 2:	ZB35

CAS NO.	COMPOUND	Col #	DILUTION	CONC. (ug/kg dry)	MDL	MRL	Q
12674-11-2	Aroclor 1016	1	1	4.0	1.6	4.0	U
11104-28-2	Aroclor 1221	1	1	4.0	1.6	4.0	U
11141-16-5	Aroclor 1232	1	1	4.0	1.6	4.0	U
53469-21-9	Aroclor 1242	1	1	4.0	1.6	4.0	U
12672-29-6	Aroclor 1248	1	1	4.0	1.6	4.0	U
11097-69-1	Aroclor 1254	1	1	4.0	1.6	4.0	U
11096-82-5	Aroclor 1260	1	1	4.0	0.6	4.0	U

SURROGATES	Col #	ADDED (ug/kg dry)	CONC (ug/kg dry)	% REC	QC LIMITS	Q
Decachlorobiphenyl	*1*	*7.9979*	*8.37*	*105*	*40 - 126*	
Tetrachlorometaxylene	*1*	*7.9979*	*6.61*	*82.6*	*44 - 120*	

```
                          Analytical Resources Inc.
                    Dual Column 608/8082 PCB Quantitation Report

Data file 1: /230109.b/01092308ECD7.D                    ARI ID: 22L0307-41
Data file 2: /230109.b/230109.b/01092308ECD7.D           Client ID:
Method: \\target\share\chem4\ecd7.i\230109.b\PCB.m      Injection Date: 09-JAN-2023 11:31
Compound Sublist: PCB.sub                                Report Date: 01/14/2023 11:52
Instrument, Inj. Vol.: ecd7.i, 2ul                       Matrix: NONE
Quant Method: Internal Std                               Dilution Factor:  1.0



                                 SURROGATES

       ZB5 Col         |       ZB35 Col         |   ZB5    ZB35
  RT    Shift Response | RT    Shift  Response  |  on col  on col    RPD   Compound/Flag
=========================================================================================

  5.828 -0.008   230520 | 5.705  -0.008   153326|   33.1    32.5      1.6    Tetrachloro-m-xylene
 13.898 -0.010   389169 |14.124  -0.013   344737|   41.9    40.7      2.9    Decachlorobiphenyl


*  Indicates RPD > 40%




                            INTERNAL STANDARD SUMMARY

                                        Column 1
                                  Standard    Sample
                  Standard Cpnd      Area*       Area      %D
               --------------------------------------------------
                 Bromo-Nitrobenzene    447645      492116    9.9
                 Hexabromobiphenyl     798898     1013937   26.9

                                        Column 2
                                  Standard    Sample
                  Standard Cpnd      Area*       Area      %D
               --------------------------------------------------
                 Bromo-Nitrobenzene    249094     343760    38.0
                 Hexabromobiphenyl     362541     596895    64.6


                * Standard Areas taken from Initial Cal Level 3
                  Initial Calibration Date: 03-DEC-2022
               <- Indicates standard response outside Limits (-50 to +100%)
```

```
                                ZB5 Col                                 ZB35 Col
 Aroclor   Peak#    RT    Shift    Area    Amount    Peak#   RT     Shift    Area   Amount
 ==========================================================================================
 Aroclor-1016 1      ---                     0.0      1     ---                       0.0
 Aroclor-1016 2      ---                     0.0      2     ---                       0.0
 Aroclor-1016 3      ---                     0.0      3     ---                       0.0
 Aroclor-1016 4      ---                     0.0      4     ---                       0.0
            Col1Ave: <3 Quant Peaks                   Col2Ave: <3 Quant Peaks

 Aroclor-1221 1      ---                     0.0      1     ---                       0.0
 Aroclor-1221 2      ---                     0.0      2     ---                       0.0
 Aroclor-1221 3      ---                     0.0      3     ---                       0.0
            Col1Ave: <3 Quant Peaks                   Col2Ave: <3 Quant Peaks

 Aroclor-1232 1      ---                     0.0      1     ---                       0.0
 Aroclor-1232 2      ---                     0.0      2     ---                       0.0
 Aroclor-1232 3      ---                     0.0      3     ---                       0.0
 Aroclor-1232 4      ---                     0.0      4     ---                       0.0
            Col1Ave: <3 Quant Peaks                   Col2Ave: <3 Quant Peaks

 Aroclor-1242 1      ---                     0.0      1     ---                       0.0
 Aroclor-1242 2      ---                     0.0      2     ---                       0.0
 Aroclor-1242 3      ---                     0.0      3     ---                       0.0
 Aroclor-1242 4      ---                     0.0      4     ---                       0.0
            Col1Ave: <3 Quant Peaks                   Col2Ave: <3 Quant Peaks

 Aroclor-1248 1      ---                     0.0      1     ---                       0.0
 Aroclor-1248 2      ---                     0.0      2     ---                       0.0
 Aroclor-1248 3      ---                     0.0      3     ---                       0.0
 Aroclor-1248 4      ---                     0.0      4     ---                       0.0
            Col1Ave: <3 Quant Peaks                   Col2Ave: <3 Quant Peaks

 Aroclor-1254 1      ---                     0.0      1     ---                       0.0
 Aroclor-1254 2      ---                     0.0      2     ---                       0.0
 Aroclor-1254 3      ---                     0.0      3     ---                       0.0
 Aroclor-1254 4      ---                     0.0      4     ---                       0.0
 Aroclor-1254 5      ---                     0.0      5     ---                       0.0
            Col1Ave: <3 Quant Peaks                   Col2Ave: <3 Quant Peaks

 Aroclor-1260 1      ---                     0.0      1     ---                       0.0
 Aroclor-1260 2      ---                     0.0      2     ---                       0.0
 Aroclor-1260 3      ---                     0.0      3     ---                       0.0
 Aroclor-1260 4      ---                     0.0      4     ---                       0.0
 Aroclor-1260 5      ---                     0.0      NS    ---                      ----
            Col1Ave: <3 Quant Peaks                   Col2Ave: <3 Quant Peaks

 Aroclor-1262 1      ---                     0.0      1     ---                       0.0
 Aroclor-1262 2      ---                     0.0      2     ---                       0.0
 Aroclor-1262 3      ---                     0.0      3     ---                       0.0
 Aroclor-1262 4      ---                     0.0      4     ---                       0.0
            Col1Ave: <3 Quant Peaks                   Col2Ave: <3 Quant Peaks

 Aroclor-1268 1      ---                     0.0      1     ---                       0.0
 Aroclor-1268 2      ---                     0.0      2     ---                       0.0
 Aroclor-1268 3      ---                     0.0      3     ---                       0.0
 Aroclor-1268 4      ---                     0.0      4     ---                       0.0
            Col1Ave: <3 Quant Peaks                   Col2Ave: <3 Quant Peaks




 Total PCB Area Col1 (5.936 - 13.808) =     104213     Col1 Total PCB = 0.0 ppm*
```

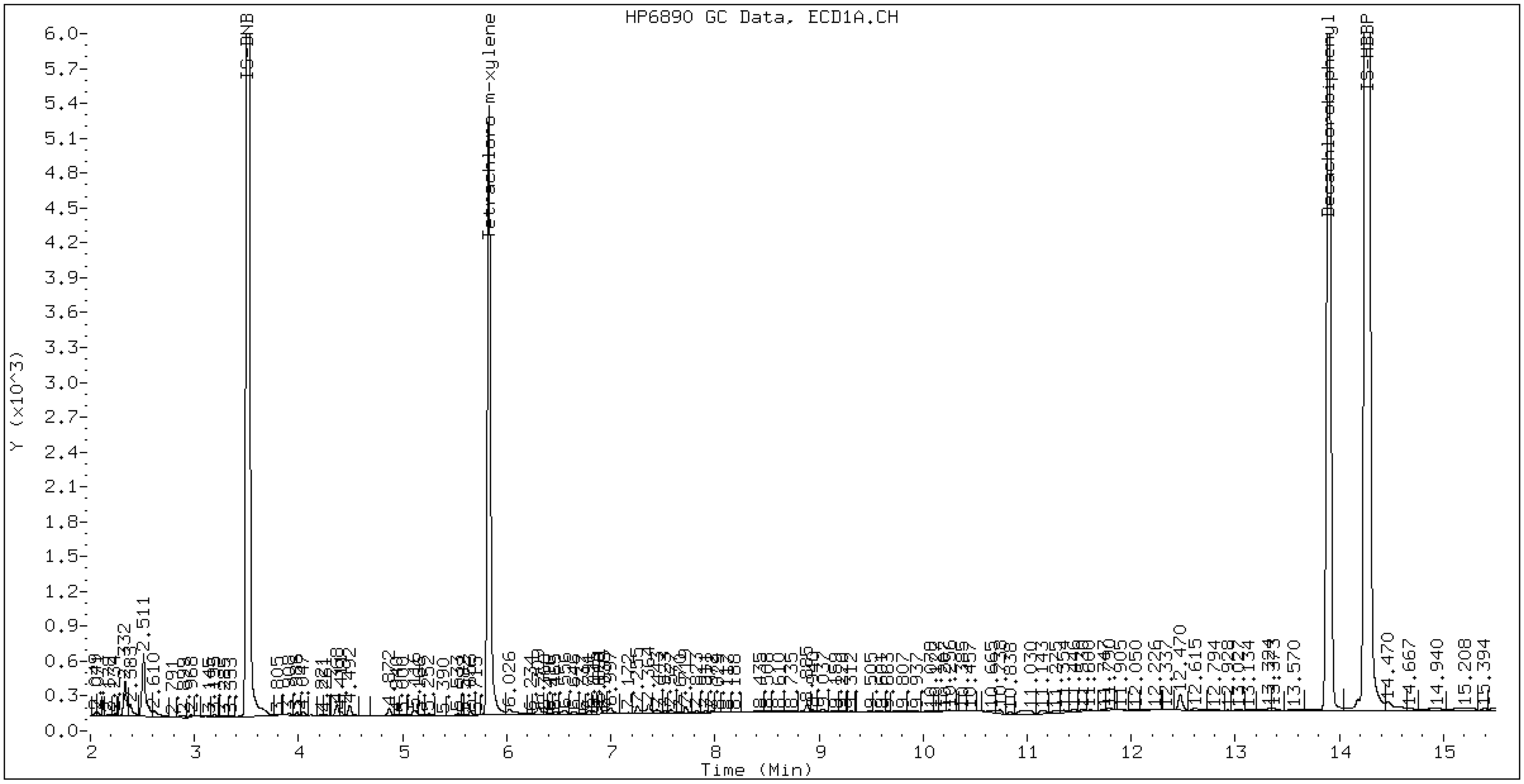
```
Total PCB Area Col2 (5.813 - 14.037) =      74013     Col2 Total PCB = 0.0 ppm*

  *  Quantitated against AR1660 0.25ppm in Ical

                                    PCB-Form 10 Mod.
```

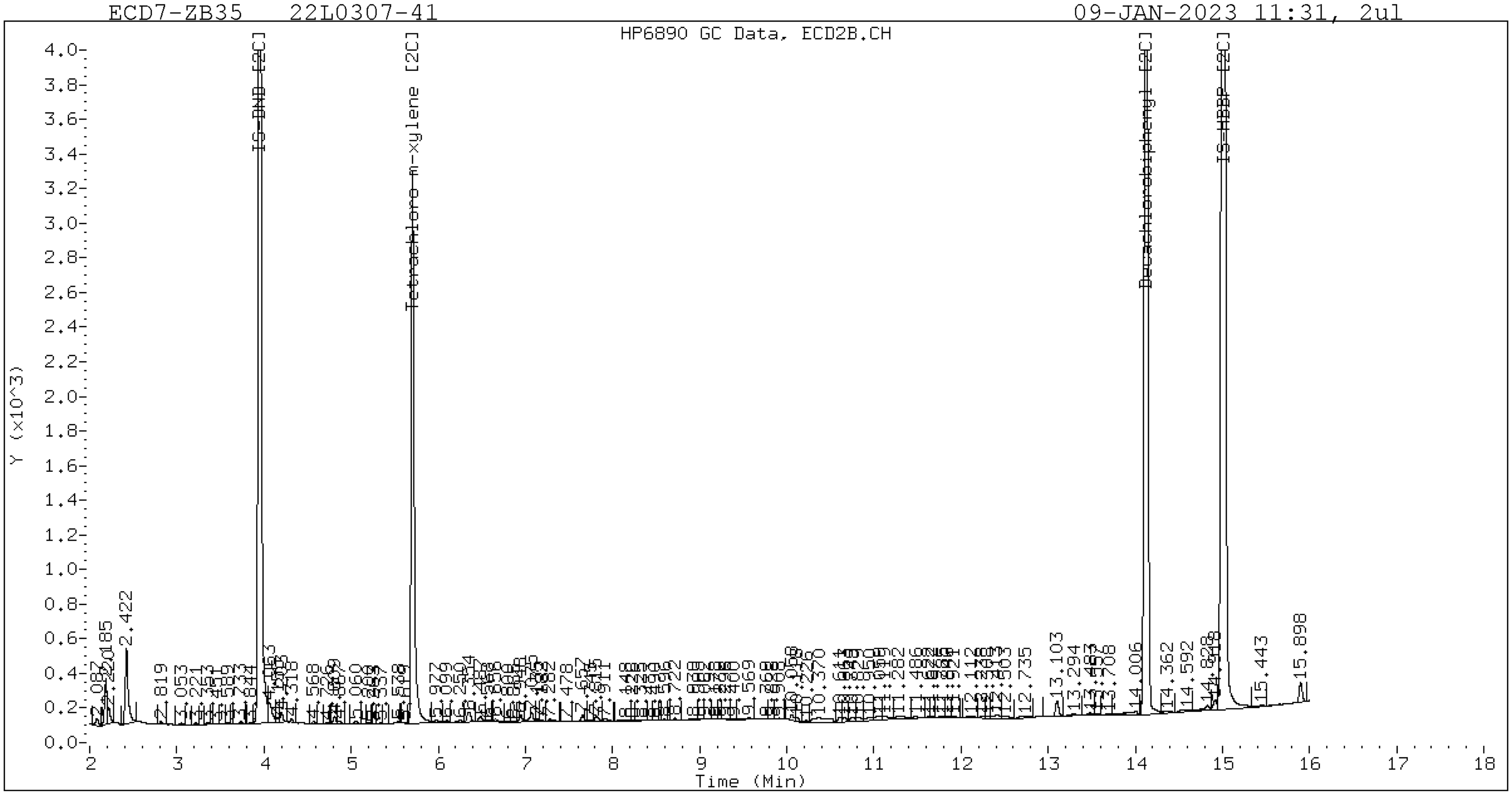
PCB Dual Column Chromatograms

ECD7-ZB5 22L0307-41 09-JAN-2023 11:31, 2ul



ZB-5 Manual Integration: NO

ECD7-ZB35 22L0307-41 09-JAN-2023 11:31, 2ul



ZB-35 Manual Integration: NO

LDW22-SC804H

Dual Column

ORGANIC ANALYSIS DATA SHEET
EPA 8082A

Laboratory:	Analytical Resources, LLC			SDG:	22L0307
Client:	Anchor QEA, LLC				
Project:	AOC4 UR Phase 3				
Matrix:	Solid	Laboratory ID:	22L0307-42 B	File ID:	01092309ECD7.D
Sampled:	12/12/22 11:18	Prepared:	12/29/22 13:41	Analyzed:	01/09/23 11:52
% Solids:	74.55	Preparation:	EPA 3546 (Microwave)	Initial/Final:	16.79 g Wet / 2.5 mL
Batch:	BKL0583	Sequence:	SLA0129	Calibration:	FL00010
Instrument:	ECD7	Column 1:	ZB5	Column 2:	ZB35

CAS NO.	COMPOUND	Col #	DILUTION	CONC. (ug/kg dry)	MDL	MRL	Q
12674-11-2	Aroclor 1016	1	1	4.0	1.6	4.0	U
11104-28-2	Aroclor 1221	1	1	4.0	1.6	4.0	U
11141-16-5	Aroclor 1232	1	1	4.0	1.6	4.0	U
53469-21-9	Aroclor 1242	1	1	4.0	1.6	4.0	U
12672-29-6	Aroclor 1248	1	1	4.0	1.6	4.0	U
11097-69-1	Aroclor 1254	1	1	4.0	1.6	4.0	U
11096-82-5	Aroclor 1260	1	1	4.0	0.6	4.0	U

SURROGATES	Col #	ADDED (ug/kg dry)	CONC (ug/kg dry)	% REC	QC LIMITS	Q
Decachlorobiphenyl	*1*	*7.9892*	*7.94*	*99.4*	*40 - 126*	
Tetrachlorometaxylene	*1*	*7.9892*	*6.70*	*83.9*	*44 - 120*	

```
                              Analytical Resources Inc.
                         Dual Column 608/8082 PCB Quantitation Report

Data file 1: /230109.b/01092309ECD7.D                        ARI ID: 22L0307-42
Data file 2: /230109.b/230109.b/01092309ECD7.D               Client ID:
Method: \\target\share\chem4\ecd7.i\230109.b\PCB.m           Injection Date: 09-JAN-2023 11:52
Compound Sublist: PCB.sub                                    Report Date: 01/14/2023 11:52
Instrument, Inj. Vol.: ecd7.i, 2ul                           Matrix: NONE
Quant Method: Internal Std                                   Dilution Factor:  1.0



                                 SURROGATES

       ZB5 Col          |       ZB35 Col          |   ZB5    ZB35
  RT    Shift Response | RT    Shift  Response   |  on col  on col    RPD   Compound/Flag
============================================================================================

 5.829 -0.007   248237 | 5.705  -0.008   165071|   33.6    33.4      0.5    Tetrachloro-m-xylene
13.899 -0.009   412262 |14.124  -0.013   363124|   39.8    40.2      1.2    Decachlorobiphenyl


*  Indicates RPD > 40%



                            INTERNAL STANDARD SUMMARY

                                        Column 1
                                 Standard    Sample
                  Standard Cpnd       Area*       Area      %D
               --------------------------------------------------
                 Bromo-Nitrobenzene    447645      522088   16.6
                 Hexabromobiphenyl     798898     1131179   41.6

                                        Column 2
                                 Standard    Sample
                  Standard Cpnd       Area*       Area      %D
               --------------------------------------------------
                 Bromo-Nitrobenzene    249094     360625    44.8
                 Hexabromobiphenyl     362541     635790    75.4


                * Standard Areas taken from Initial Cal Level 3
                  Initial Calibration Date: 03-DEC-2022
               <- Indicates standard response outside Limits (-50 to +100%)
```

```
                             ZB5 Col                                 ZB35 Col
 Aroclor   Peak#    RT    Shift    Area    Amount    Peak#   RT     Shift    Area   Amount
 ==================================================================================
 Aroclor-1016 1      ---                      0.0      1     ---                      0.0
 Aroclor-1016 2      ---                      0.0      2     ---                      0.0
 Aroclor-1016 3      ---                      0.0      3     ---                      0.0
 Aroclor-1016 4      ---                      0.0      4     ---                      0.0
             Col1Ave: <3 Quant Peaks                     Col2Ave: <3 Quant Peaks

 Aroclor-1221 1      ---                      0.0      1     ---                      0.0
 Aroclor-1221 2      ---                      0.0      2     ---                      0.0
 Aroclor-1221 3      ---                      0.0      3     ---                      0.0
             Col1Ave: <3 Quant Peaks                     Col2Ave: <3 Quant Peaks

 Aroclor-1232 1      ---                      0.0      1     ---                      0.0
 Aroclor-1232 2      ---                      0.0      2     ---                      0.0
 Aroclor-1232 3      ---                      0.0      3     ---                      0.0
 Aroclor-1232 4      ---                      0.0      4     ---                      0.0
             Col1Ave: <3 Quant Peaks                     Col2Ave: <3 Quant Peaks

 Aroclor-1242 1      ---                      0.0      1     ---                      0.0
 Aroclor-1242 2      ---                      0.0      2     ---                      0.0
 Aroclor-1242 3      ---                      0.0      3     ---                      0.0
 Aroclor-1242 4      ---                      0.0      4     ---                      0.0
             Col1Ave: <3 Quant Peaks                     Col2Ave: <3 Quant Peaks

 Aroclor-1248 1      ---                      0.0      1     ---                      0.0
 Aroclor-1248 2      ---                      0.0      2     ---                      0.0
 Aroclor-1248 3      ---                      0.0      3     ---                      0.0
 Aroclor-1248 4      ---                      0.0      4     ---                      0.0
             Col1Ave: <3 Quant Peaks                     Col2Ave: <3 Quant Peaks

 Aroclor-1254 1      ---                      0.0      1     ---                      0.0
 Aroclor-1254 2      ---                      0.0      2     ---                      0.0
 Aroclor-1254 3      ---                      0.0      3     ---                      0.0
 Aroclor-1254 4      ---                      0.0      4     ---                      0.0
 Aroclor-1254 5      ---                      0.0      5     ---                      0.0
             Col1Ave: <3 Quant Peaks                     Col2Ave: <3 Quant Peaks

 Aroclor-1260 1      ---                      0.0      1     ---                      0.0
 Aroclor-1260 2      ---                      0.0      2     ---                      0.0
 Aroclor-1260 3      ---                      0.0      3     ---                      0.0
 Aroclor-1260 4      ---                      0.0      4     ---                      0.0
 Aroclor-1260 5      ---                      0.0      NS    ---                     ----
             Col1Ave: <3 Quant Peaks                     Col2Ave: <3 Quant Peaks

 Aroclor-1262 1      ---                      0.0      1     ---                      0.0
 Aroclor-1262 2      ---                      0.0      2     ---                      0.0
 Aroclor-1262 3      ---                      0.0      3     ---                      0.0
 Aroclor-1262 4      ---                      0.0      4     ---                      0.0
             Col1Ave: <3 Quant Peaks                     Col2Ave: <3 Quant Peaks

 Aroclor-1268 1      ---                      0.0      1     ---                      0.0
 Aroclor-1268 2      ---                      0.0      2     ---                      0.0
 Aroclor-1268 3      ---                      0.0      3     ---                      0.0
 Aroclor-1268 4      ---                      0.0      4     ---                      0.0
             Col1Ave: <3 Quant Peaks                     Col2Ave: <3 Quant Peaks




 Total PCB Area Col1 (5.936 - 13.808) =     169928     Col1 Total PCB = 0.0 ppm*
```

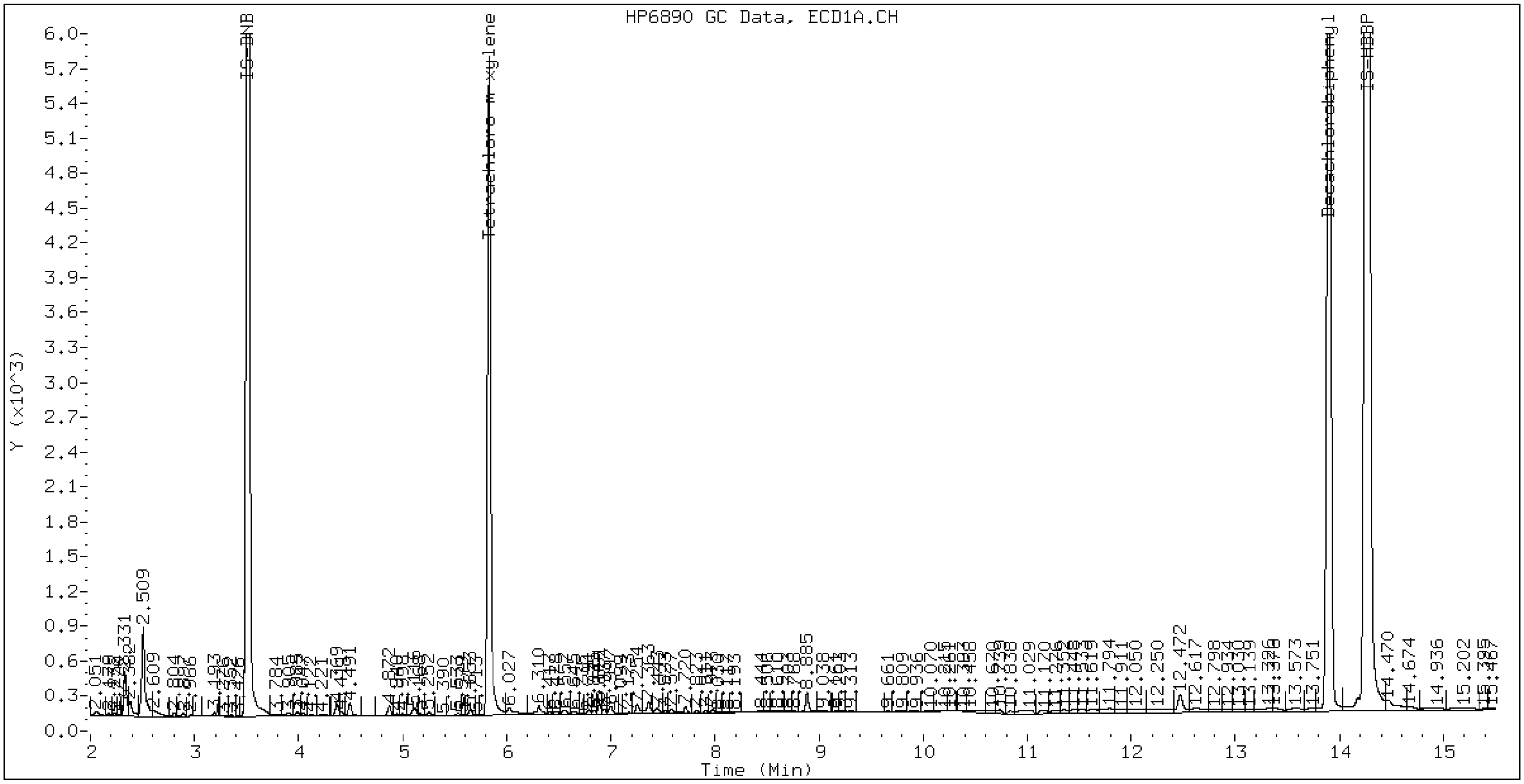
```
Total PCB Area Col2 (5.813 - 14.037) =      79302     Col2 Total PCB = 0.0 ppm*

  *  Quantitated against AR1660 0.25ppm in Ical

                                    PCB-Form 10 Mod.
```

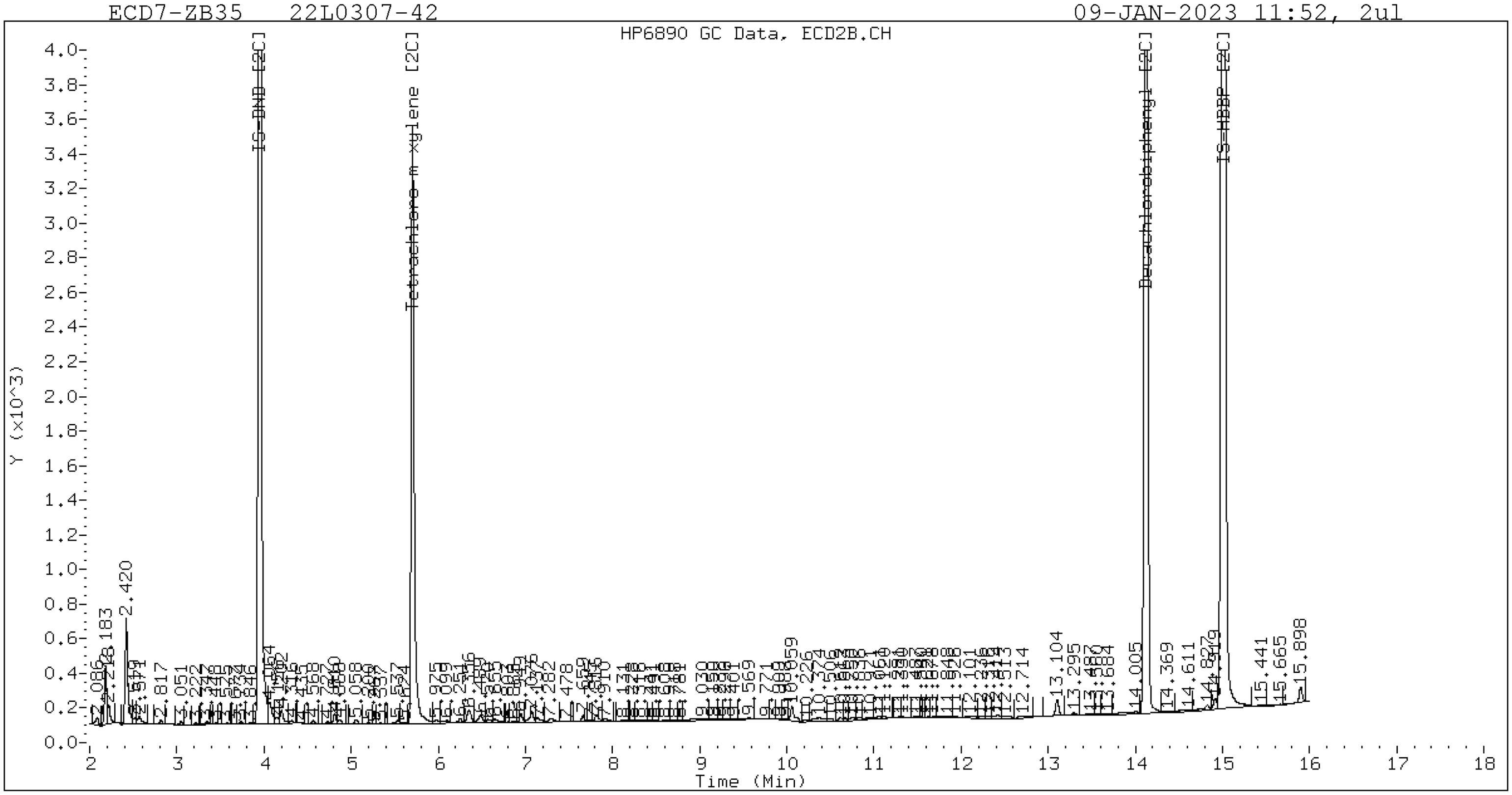
PCB Dual Column Chromatograms

ECD7-ZB5 22L0307-42 09-JAN-2023 11:52, 2ul



ZB-5 Manual Integration: NO

ECD7-ZB35 22L0307-42 09-JAN-2023 11:52, 2ul



ZB-35 Manual Integration: NO

LDW22-SC752A

Dual Column

ORGANIC ANALYSIS DATA SHEET
EPA 8082A

Laboratory:	Analytical Resources, LLC			SDG:	22L0307
Client:	Anchor QEA, LLC				
Project:	AOC4 UR Phase 3				
Matrix:	Solid	Laboratory ID:	22L0307-43 B	File ID:	01092310ECD7.D
Sampled:	12/12/22 11:01	Prepared:	12/29/22 13:41	Analyzed:	01/09/23 12:13
% Solids:	71.42	Preparation:	EPA 3546 (Microwave)	Initial/Final:	17.57 g Wet / 2.5 mL
Batch:	BKL0583	Sequence:	SLA0129	Calibration:	FL00010
Instrument:	ECD7	Column 1:	ZB5	Column 2:	ZB35

CAS NO.	COMPOUND	Col #	DILUTION	CONC. (ug/kg dry)	MDL	MRL	Q
12674-11-2	Aroclor 1016	1	1	4.0	1.6	4.0	U
11104-28-2	Aroclor 1221	1	1	4.0	1.6	4.0	U
11141-16-5	Aroclor 1232	1	1	4.0	1.6	4.0	U
53469-21-9	Aroclor 1242	1	1	4.0	1.6	4.0	U
12672-29-6	Aroclor 1248	2	1	11.8	1.6	4.0	
11097-69-1	Aroclor 1254	2	1	24.8	1.6	4.0	
11096-82-5	Aroclor 1260	1	1	15.8	0.6	4.0	

SURROGATES	Col #	ADDED (ug/kg dry)	CONC (ug/kg dry)	% REC	QC LIMITS	Q
Decachlorobiphenyl	*1*	*7.9691*	*7.40*	*92.8*	*40 - 126*	
Tetrachlorometaxylene	*1*	*7.9691*	*5.66*	*71.0*	*44 - 120*	
Decachlorobiphenyl	*2*	*7.9691*	*6.69*	*84.0*	*40 - 126*	
Tetrachlorometaxylene	*2*	*7.9691*	*6.06*	*76.0*	*44 - 120*	

```
                                  Analytical Resources Inc.
                             Dual Column 608/8082 PCB Quantitation Report

 Data file 1: /230109.b/01092310ECD7.D                        ARI ID: 22L0307-43
 Data file 2: /230109.b/230109.b/01092310ECD7.D               Client ID:
 Method: \\target\share\chem4\ecd7.i\230109.b\PCB.m           Injection Date: 09-JAN-2023 12:13
 Compound Sublist: PCB.sub                                    Report Date: 01/14/2023 11:52
 Instrument, Inj. Vol.: ecd7.i, 2ul                           Matrix: NONE
 Quant Method: Internal Std                                   Dilution Factor:  1.0



                                     SURROGATES

        ZB5 Col         |       ZB35 Col         |   ZB5    ZB35
   RT    Shift Response | RT    Shift  Response  |  on col  on col    RPD   Compound/Flag
 ============================================================================================

  5.826 -0.010   200538 | 5.703  -0.011   137717|   28.4    30.4      6.9    Tetrachloro-m-xylene
 13.896 -0.012   220643 |14.122  -0.015   213476|   37.1    33.6     10.0    Decachlorobiphenyl


*  Indicates RPD > 40%




                               INTERNAL STANDARD SUMMARY

                                            Column 1
                                     Standard    Sample
                  Standard Cpnd       Area*       Area      %D
              --------------------------------------------------
                Bromo-Nitrobenzene    447645      498351   11.3
                Hexabromobiphenyl     798898      648413  -18.8

                                            Column 2
                                     Standard    Sample
                  Standard Cpnd       Area*       Area      %D
              --------------------------------------------------
                Bromo-Nitrobenzene    249094     330335    32.6
                Hexabromobiphenyl     362541     447751    23.5


               * Standard Areas taken from Initial Cal Level 3
                 Initial Calibration Date: 03-DEC-2022
              <- Indicates standard response outside Limits (-50 to +100%)
```

```
//target/share/chem4/ecd7.i/230109.b/01092310ECD7.D      22L0307-43                        page 2
                             ZB5 Col                              ZB35 Col
 Aroclor   Peak#    RT    Shift    Area    Amount    Peak#   RT     Shift    Area   Amount
 ========================================================================================
 Aroclor-1016 1      ---                     0.0      1     ---                      0.0
 Aroclor-1016 2      ---                     0.0      2     ---                      0.0
 Aroclor-1016 3      ---                     0.0      3     ---                      0.0
 Aroclor-1016 4      ---                     0.0      4     ---                      0.0
             Col1Ave: <3 Quant Peaks                   Col2Ave: <3 Quant Peaks

 Aroclor-1221 1     ---                      0.0      1    4.963  -0.024      321    11.5
 Aroclor-1221 2     ---                      0.0      2    6.344   0.022     4116    77.5
 Aroclor-1221 3     ---                      0.0      3    6.642  -0.003     3647    40.8
             Col1Ave: <3 Quant Peaks                        Col2Ave:    43.3

 Aroclor-1232 1     ---                      0.0      1    4.963  -0.026      321    20.0
 Aroclor-1232 2     ---                      0.0      2    7.267  -0.010     3991    48.7
 Aroclor-1232 3     ---                      0.0      3    7.858  -0.019    11989    74.8
 Aroclor-1232 4     ---                      0.0      4    8.718  -0.016     8025   184.6
             Col1Ave: <3 Quant Peaks                        Col2Ave:    82.0

 Aroclor-1242 1     ---                      0.0      1    7.267  -0.010     3991    28.5
 Aroclor-1242 2     ---                      0.0      2    7.858  -0.017    11989    40.4
 Aroclor-1242 3     ---                      0.0      3    9.151  -0.027    12035   125.7
 Aroclor-1242 4     ---                      0.0      4    9.626   0.021     1717    14.9
             Col1Ave: <3 Quant Peaks                        Col2Ave:    52.4

 Aroclor-1248 1   8.410  -0.017     13028    60.8      1    8.312  -0.014     9412    69.7
 Aroclor-1248 2   8.579  -0.025     11358    41.5      2    8.718  -0.015     8025    56.5
 Aroclor-1248 3   8.998  -0.024     31829    64.7      3    9.151  -0.027    12035    69.7
 Aroclor-1248 4   9.299  -0.012     37699   156.4      4    9.561  -0.041     8198    40.4
       Total Col1Ave (4 peaks):    80.8       Total Col2Ave (4 peaks):    59.1   RPD = 31
       Corrected Ave (3 peaks):    55.7       Corrected Ave (3 peaks):    55.6   RPD = 0

 Aroclor-1254 1   9.299  -0.022     37699    85.9      1    9.449  -0.018    23847   112.0
 Aroclor-1254 2   9.374  -0.027     17790   104.3      2    9.966  -0.020    11783    68.8
 Aroclor-1254 3   9.668  -0.026     23522    84.9      3   10.115  -0.025    40380   109.7
 Aroclor-1254 4   9.800  -0.031     52292    96.8      4   10.365  -0.025    51023   133.9
 Aroclor-1254 5  10.127  -0.062     68436   184.8      5   10.564  -0.023    36499   198.5
       Total Col1Ave (5 peaks):   111.3       Total Col2Ave (5 peaks):   124.6   RPD = 11
       Corrected Ave (4 peaks):    93.0       Corrected Ave (4 peaks):   106.1   RPD = 13

 Aroclor-1260 1  11.044  -0.018     21162    89.7      1   11.653  -0.016    19946    84.4
 Aroclor-1260 2  11.360  -0.018     16294    66.7      2   11.913  -0.020    38515    64.9
 Aroclor-1260 3  11.729  -0.022     47116    73.5      3   12.432  -0.019    13061    82.7
 Aroclor-1260 4  12.130  -0.028     26617    81.5      4   12.496  -0.020    27262    69.0
 Aroclor-1260 5  12.244  -0.017     11237    84.0      NS    ---                     ----
       Total Col1Ave (5 peaks):    79.1       Total Col2Ave (4 peaks):    75.2   RPD = 5
       Corrected Ave (4 peaks):    76.4       Corrected Ave (3 peaks):    72.2   RPD = 6

 Aroclor-1262 1      ---                     0.0      1     ---                      0.0
 Aroclor-1262 2      ---                     0.0      2     ---                      0.0
 Aroclor-1262 3      ---                     0.0      3     ---                      0.0
 Aroclor-1262 4      ---                     0.0      4     ---                      0.0
             Col1Ave: <3 Quant Peaks                   Col2Ave: <3 Quant Peaks

 Aroclor-1268 1      ---                     0.0      1     ---                      0.0
 Aroclor-1268 2      ---                     0.0      2     ---                      0.0
 Aroclor-1268 3      ---                     0.0      3     ---                      0.0
 Aroclor-1268 4      ---                     0.0      4     ---                      0.0
             Col1Ave: <3 Quant Peaks                   Col2Ave: <3 Quant Peaks
```

Total PCB Area Col1 (5.936 - 13.808) = 959430 Col1 Total PCB = 0.2 ppm*

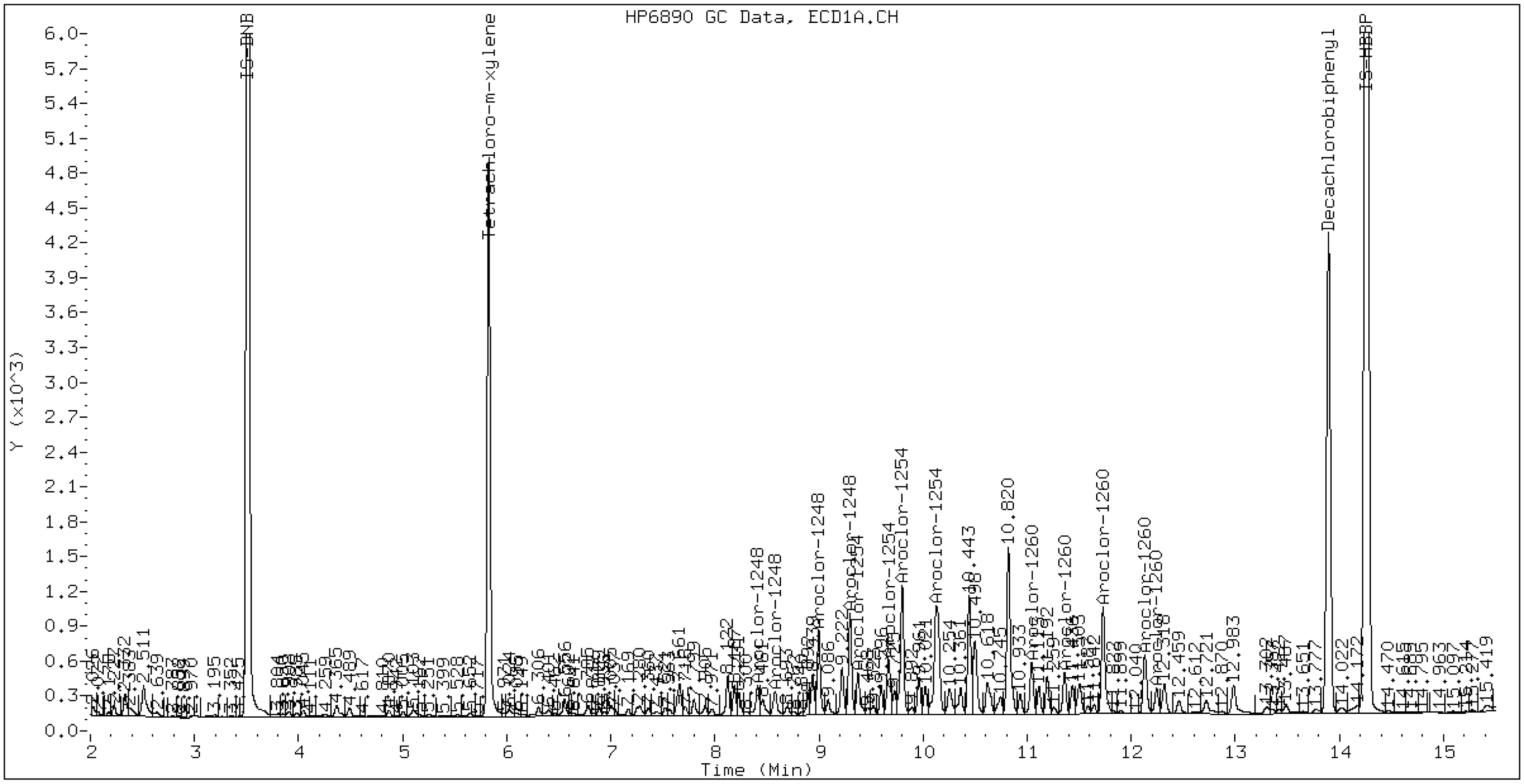
Total PCB Area Col2 (5.813 - 14.037) = 700577 Col2 Total PCB = 0.2 ppm*

* Quantitated against AR1660 0.25ppm in Ical

PCB-Form 10 Mod.

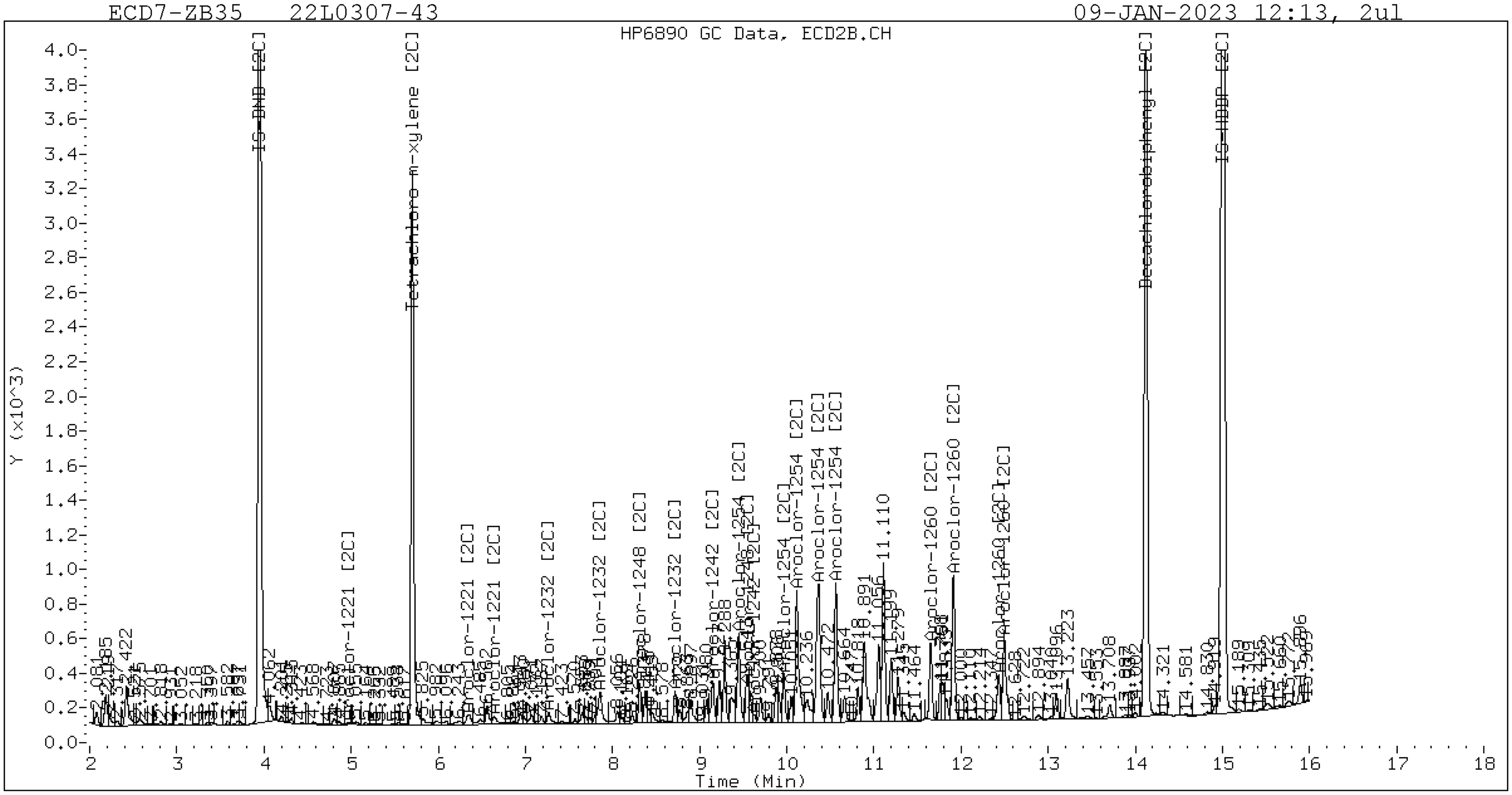
PCB Dual Column Chromatograms

ECD7-ZB5 22L0307-43 09-JAN-2023 12:13, 2ul



ZB-5 Manual Integration: NO

ECD7-ZB35 22L0307-43 09-JAN-2023 12:13, 2ul

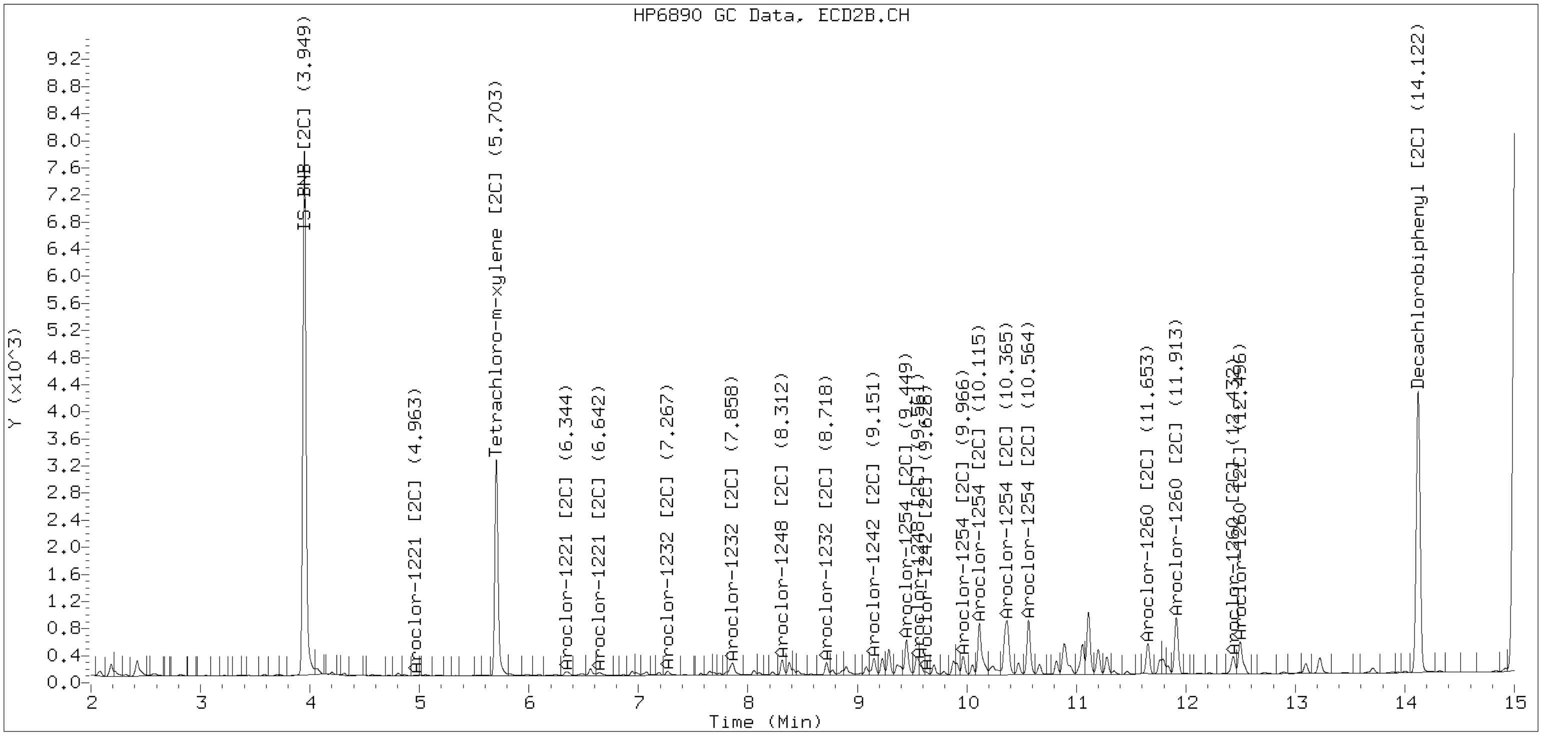


ZB-35 Manual Integration: YES

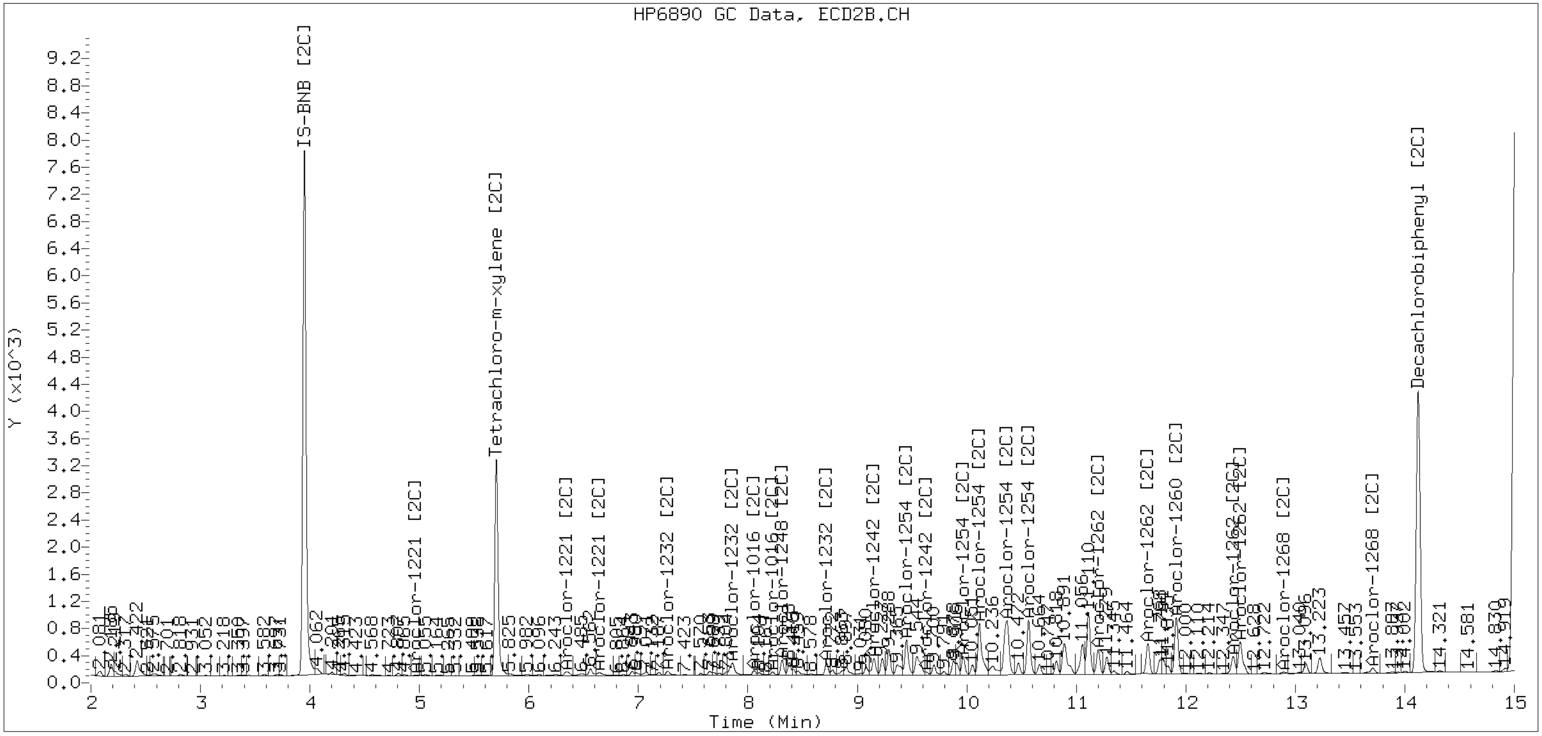
Manual Peak Adjustment, ZB-35

Datafile: ecd7.i/230109.b/230109.b/01092310ECD7.D   Injection Date: 09-JAN-2023

Manual Integration (After)



Processed Integration (Before)



LDW22-SC752B

Dual Column

ORGANIC ANALYSIS DATA SHEET
EPA 8082A

Laboratory: Analytical Resources, LLC

SDG: 22L0307

Client: Anchor QEA, LLC

Project: AOC4 UR Phase 3

Matrix:	Solid	Laboratory ID:	22L0307-44 B	File ID:	01092311ECD7.D
Sampled:	12/12/22 11:01	Prepared:	12/29/22 13:41	Analyzed:	01/09/23 12:34
% Solids:	70.26	Preparation:	EPA 3546 (Microwave)	Initial/Final:	17.79 g Wet / 2.5 mL
Batch:	BKL0583	Sequence:	SLA0129	Calibration:	FL00010
Instrument:	ECD7	Column 1:	ZB5	Column 2:	ZB35

CAS NO.	COMPOUND	Col #	DILUTION	CONC. (ug/kg dry)	MDL	MRL	Q
12674-11-2	Aroclor 1016	1	1	4.0	1.6	4.0	U
11104-28-2	Aroclor 1221	1	1	4.0	1.6	4.0	U
11141-16-5	Aroclor 1232	1	1	4.0	1.6	4.0	U
53469-21-9	Aroclor 1242	1	1	4.0	1.6	4.0	U
12672-29-6	Aroclor 1248	1	1	4.0	1.6	4.0	U
11097-69-1	Aroclor 1254	1	1	4.0	1.6	4.0	U
11096-82-5	Aroclor 1260	1	1	4.0	0.6	4.0	U

SURROGATES	Col #	ADDED (ug/kg dry)	CONC (ug/kg dry)	% REC	QC LIMITS	Q
Decachlorobiphenyl	*1*	*8.0005*	*8.05*	*101*	*40 - 126*	
Tetrachlorometaxylene	*1*	*8.0005*	*6.14*	*76.8*	*44 - 120*	

```
                              Analytical Resources Inc.
                         Dual Column 608/8082 PCB Quantitation Report

 Data file 1: /230109.b/01092311ECD7.D                  ARI ID: 22L0307-44
 Data file 2: /230109.b/230109.b/01092311ECD7.D         Client ID:
 Method: \\target\share\chem4\ecd7.i\230109.b\PCB.m      Injection Date: 09-JAN-2023 12:34
 Compound Sublist: PCB.sub                              Report Date: 01/14/2023 11:52
 Instrument, Inj. Vol.: ecd7.i, 2ul                     Matrix: NONE
 Quant Method: Internal Std                             Dilution Factor:  1.0



                                 SURROGATES

        ZB5 Col         |       ZB35 Col         |   ZB5    ZB35
   RT    Shift Response | RT    Shift  Response  |  on col  on col    RPD   Compound/Flag
 ==========================================================================================

  5.826 -0.010   208966 | 5.703  -0.010   143691|   30.7    32.5      5.7    Tetrachloro-m-xylene
 13.896 -0.012   255556 |14.122  -0.015   245001|   40.3    36.7      9.3    Decachlorobiphenyl


*  Indicates RPD > 40%




                            INTERNAL STANDARD SUMMARY

                                      Column 1
                               Standard    Sample
                  Standard Cpnd       Area*       Area      %D
               --------------------------------------------------
                 Bromo-Nitrobenzene    447645      480021    7.2
                 Hexabromobiphenyl     798898      692343  -13.3

                                      Column 2
                               Standard    Sample
                  Standard Cpnd       Area*       Area      %D
               --------------------------------------------------
                 Bromo-Nitrobenzene    249094     322323    29.4
                 Hexabromobiphenyl     362541     470290    29.7


                * Standard Areas taken from Initial Cal Level 3
                  Initial Calibration Date: 03-DEC-2022
               <- Indicates standard response outside Limits (-50 to +100%)
```

```
//target/share/chem4/ecd7.i/230109.b/01092311ECD7.D      22L0307-44                        page 2
                             ZB5 Col                          ZB35 Col
 Aroclor   Peak#    RT    Shift    Area    Amount    Peak#   RT     Shift    Area   Amount
 ========================================================================================
 Aroclor-1016 1      ---                     0.0      1     ---                      0.0
 Aroclor-1016 2      ---                     0.0      2     ---                      0.0
 Aroclor-1016 3      ---                     0.0      3     ---                      0.0
 Aroclor-1016 4      ---                     0.0      4     ---                      0.0
             Col1Ave: <3 Quant Peaks                   Col2Ave: <3 Quant Peaks

 Aroclor-1221 1      ---                     0.0      1     ---                      0.0
 Aroclor-1221 2      ---                     0.0      2     ---                      0.0
 Aroclor-1221 3      ---                     0.0      3     ---                      0.0
             Col1Ave: <3 Quant Peaks                   Col2Ave: <3 Quant Peaks

 Aroclor-1232 1      ---                     0.0      1     ---                      0.0
 Aroclor-1232 2      ---                     0.0      2     ---                      0.0
 Aroclor-1232 3      ---                     0.0      3     ---                      0.0
 Aroclor-1232 4      ---                     0.0      4     ---                      0.0
             Col1Ave: <3 Quant Peaks                   Col2Ave: <3 Quant Peaks

 Aroclor-1242 1      ---                     0.0      1     ---                      0.0
 Aroclor-1242 2      ---                     0.0      2     ---                      0.0
 Aroclor-1242 3      ---                     0.0      3     ---                      0.0
 Aroclor-1242 4      ---                     0.0      4     ---                      0.0
             Col1Ave: <3 Quant Peaks                   Col2Ave: <3 Quant Peaks

 Aroclor-1248 1   8.412  -0.016      4291    20.8      1     ---                      0.0
 Aroclor-1248 2   8.581  -0.023      4302    16.3      2     ---                      0.0
 Aroclor-1248 3   9.001  -0.021      4700     9.9      3     ---                      0.0
 Aroclor-1248 4   9.301  -0.010      5386    23.2      4     ---                      0.0
       Total Col1Ave (4 peaks):    17.6                Col2Ave: <3 Quant Peaks

 Aroclor-1254 1      ---                     0.0      1     ---                      0.0
 Aroclor-1254 2      ---                     0.0      2     ---                      0.0
 Aroclor-1254 3      ---                     0.0      3     ---                      0.0
 Aroclor-1254 4      ---                     0.0      4     ---                      0.0
 Aroclor-1254 5      ---                     0.0      5     ---                      0.0
             Col1Ave: <3 Quant Peaks                   Col2Ave: <3 Quant Peaks

 Aroclor-1260 1  11.045  -0.017      4448    17.6      1     ---                      0.0
 Aroclor-1260 2  11.360  -0.017      4151    15.9      2     ---                      0.0
 Aroclor-1260 3  11.731  -0.021      9749    14.2      3     ---                      0.0
 Aroclor-1260 4  12.133  -0.026      5010    14.4      4     ---                      0.0
 Aroclor-1260 5  12.247  -0.015      2910    20.4      NS    ---                     ----
       Total Col1Ave (5 peaks):    16.5                Col2Ave: <3 Quant Peaks

 Aroclor-1262 1      ---                     0.0      1     ---                      0.0
 Aroclor-1262 2      ---                     0.0      2     ---                      0.0
 Aroclor-1262 3      ---                     0.0      3     ---                      0.0
 Aroclor-1262 4      ---                     0.0      4     ---                      0.0
             Col1Ave: <3 Quant Peaks                   Col2Ave: <3 Quant Peaks

 Aroclor-1268 1      ---                     0.0      1     ---                      0.0
 Aroclor-1268 2      ---                     0.0      2     ---                      0.0
 Aroclor-1268 3      ---                     0.0      3     ---                      0.0
 Aroclor-1268 4      ---                     0.0      4     ---                      0.0
             Col1Ave: <3 Quant Peaks                   Col2Ave: <3 Quant Peaks




 Total PCB Area Col1 (5.936 - 13.808) =     276495     Col1 Total PCB = 0.1 ppm*
```

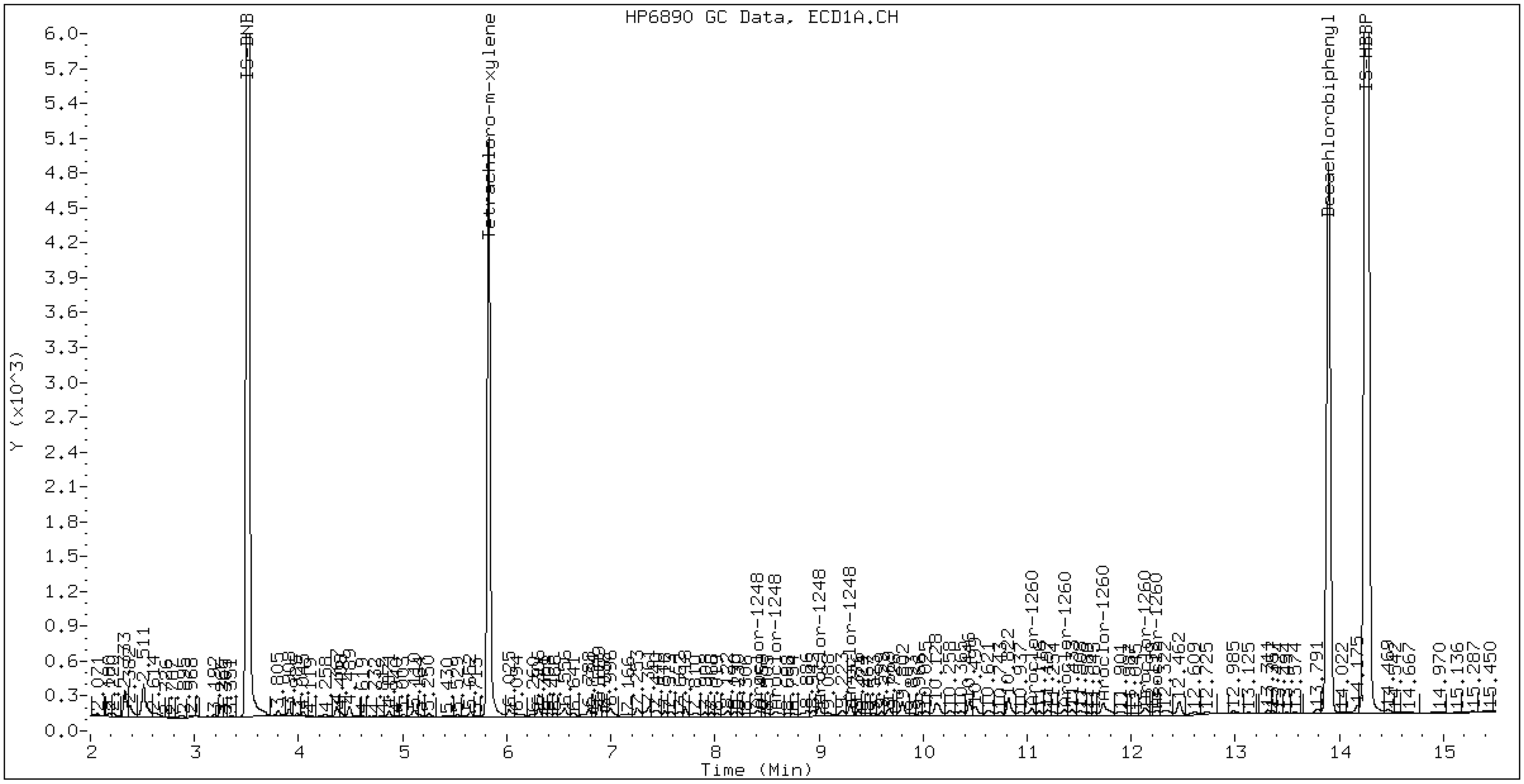
```
Total PCB Area Col2 (5.813 - 14.037) =     115131     Col2 Total PCB = 0.0 ppm*

  *  Quantitated against AR1660 0.25ppm in Ical

                                    PCB-Form 10 Mod.
```

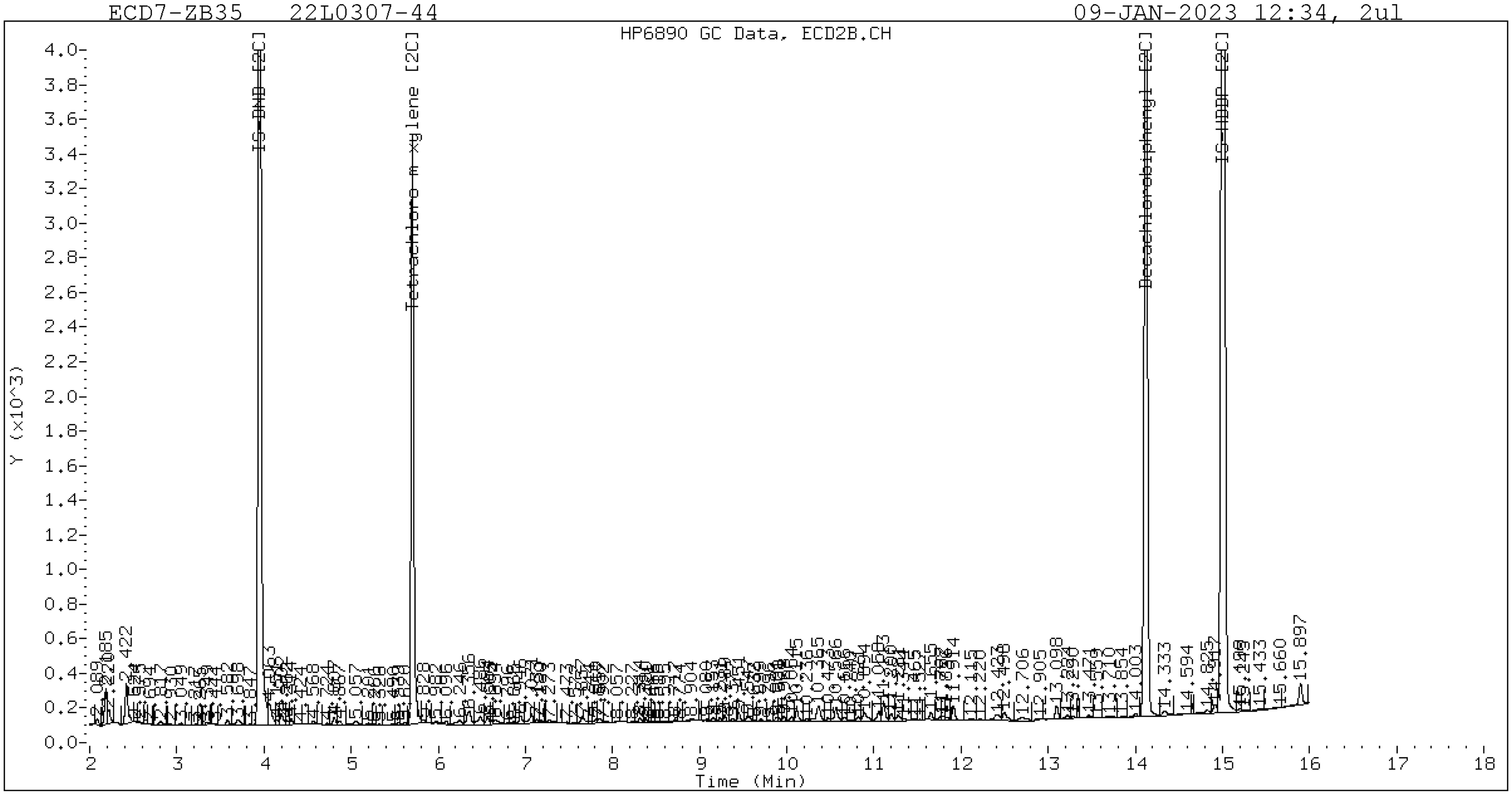
PCB Dual Column Chromatograms

ECD7-ZB5 22L0307-44 09-JAN-2023 12:34, 2ul



ZB-5 Manual Integration: NO

ECD7-ZB35 22L0307-44 09-JAN-2023 12:34, 2ul



ZB-35 Manual Integration: NO

LDW22-SC752C

Dual Column

ORGANIC ANALYSIS DATA SHEET
EPA 8082A

Laboratory: Analytical Resources, LLC
SDG: 22L0307
Client: Anchor QEA, LLC
Project: AOC4 UR Phase 3

Matrix:	Solid	Laboratory ID:	22L0307-45 B	File ID:	01092312ECD7.D
Sampled:	12/12/22 11:01	Prepared:	12/29/22 13:41	Analyzed:	01/09/23 12:55
% Solids:	71.13	Preparation:	EPA 3546 (Microwave)	Initial/Final:	17.64 g Wet / 2.5 mL
Batch:	BKL0583	Sequence:	SLA0129	Calibration:	FL00010
Instrument:	ECD7	Column 1:	ZB5	Column 2:	ZB35

CAS NO.	COMPOUND	Col #	DILUTION	CONC. (ug/kg dry)	MDL	MRL	Q
12674-11-2	Aroclor 1016	1	1	4.0	1.6	4.0	U
11104-28-2	Aroclor 1221	1	1	4.0	1.6	4.0	U
11141-16-5	Aroclor 1232	1	1	4.0	1.6	4.0	U
53469-21-9	Aroclor 1242	1	1	4.0	1.6	4.0	U
12672-29-6	Aroclor 1248	1	1	4.0	1.6	4.0	U
11097-69-1	Aroclor 1254	1	1	4.0	1.6	4.0	U
11096-82-5	Aroclor 1260	1	1	4.0	0.6	4.0	U

SURROGATES	Col #	ADDED (ug/kg dry)	CONC (ug/kg dry)	% REC	QC LIMITS	Q
Decachlorobiphenyl	*1*	*7.9698*	*7.28*	*91.3*	*40 - 126*	
Tetrachlorometaxylene	*1*	*7.9698*	*5.52*	*69.3*	*44 - 120*	

```
                              Analytical Resources Inc.
                         Dual Column 608/8082 PCB Quantitation Report

Data file 1: /230109.b/01092312ECD7.D                        ARI ID: 22L0307-45
Data file 2: /230109.b/230109.b/01092312ECD7.D               Client ID:
Method: \\target\share\chem4\ecd7.i\230109.b\PCB.m           Injection Date: 09-JAN-2023 12:55
Compound Sublist: PCB.sub                                     Report Date: 01/14/2023 11:52
Instrument, Inj. Vol.: ecd7.i, 2ul                            Matrix: NONE
Quant Method: Internal Std                                    Dilution Factor:  1.0



                                 SURROGATES

       ZB5 Col          |       ZB35 Col         |   ZB5    ZB35
  RT    Shift Response | RT    Shift  Response   |  on col  on col    RPD   Compound/Flag
=========================================================================================

 5.827 -0.009   195609 | 5.703  -0.011   134850|   27.7    29.6      6.5    Tetrachloro-m-xylene
13.897 -0.010   256969 |14.123  -0.014   239512|   36.5    33.3      9.2    Decachlorobiphenyl


*  Indicates RPD > 40%



                        INTERNAL STANDARD SUMMARY

                                    Column 1
                             Standard    Sample
               Standard Cpnd       Area*       Area      %D
           --------------------------------------------------
             Bromo-Nitrobenzene    447645      498099   11.3
             Hexabromobiphenyl     798898      767666   -3.9

                                    Column 2
                             Standard    Sample
               Standard Cpnd       Area*       Area      %D
           --------------------------------------------------
             Bromo-Nitrobenzene    249094     332477    33.5
             Hexabromobiphenyl     362541     506344    39.7


            * Standard Areas taken from Initial Cal Level 3
              Initial Calibration Date: 03-DEC-2022
           <- Indicates standard response outside Limits (-50 to +100%)
```

```
//target/share/chem4/ecd7.i/230109.b/01092312ECD7.D      22L0307-45                    page 2
                             ZB5 Col                              ZB35 Col
 Aroclor   Peak#    RT    Shift    Area    Amount    Peak#   RT     Shift    Area   Amount
 ===========================================================================================
 Aroclor-1016 1      ---                      0.0      1     ---                     0.0
 Aroclor-1016 2      ---                      0.0      2     ---                     0.0
 Aroclor-1016 3      ---                      0.0      3     ---                     0.0
 Aroclor-1016 4      ---                      0.0      4     ---                     0.0
             Col1Ave: <3 Quant Peaks                  Col2Ave: <3 Quant Peaks

 Aroclor-1221 1      ---                      0.0      1     ---                     0.0
 Aroclor-1221 2      ---                      0.0      2     ---                     0.0
 Aroclor-1221 3      ---                      0.0      3     ---                     0.0
             Col1Ave: <3 Quant Peaks                  Col2Ave: <3 Quant Peaks

 Aroclor-1232 1      ---                      0.0      1     ---                     0.0
 Aroclor-1232 2      ---                      0.0      2     ---                     0.0
 Aroclor-1232 3      ---                      0.0      3     ---                     0.0
 Aroclor-1232 4      ---                      0.0      4     ---                     0.0
             Col1Ave: <3 Quant Peaks                  Col2Ave: <3 Quant Peaks

 Aroclor-1242 1      ---                      0.0      1     ---                     0.0
 Aroclor-1242 2      ---                      0.0      2     ---                     0.0
 Aroclor-1242 3      ---                      0.0      3     ---                     0.0
 Aroclor-1242 4      ---                      0.0      4     ---                     0.0
             Col1Ave: <3 Quant Peaks                  Col2Ave: <3 Quant Peaks

 Aroclor-1248 1      ---                      0.0      1     ---                     0.0
 Aroclor-1248 2      ---                      0.0      2     ---                     0.0
 Aroclor-1248 3      ---                      0.0      3     ---                     0.0
 Aroclor-1248 4      ---                      0.0      4     ---                     0.0
             Col1Ave: <3 Quant Peaks                  Col2Ave: <3 Quant Peaks

 Aroclor-1254 1      ---                      0.0      1     ---                     0.0
 Aroclor-1254 2      ---                      0.0      2     ---                     0.0
 Aroclor-1254 3      ---                      0.0      3     ---                     0.0
 Aroclor-1254 4      ---                      0.0      4     ---                     0.0
 Aroclor-1254 5      ---                      0.0      5     ---                     0.0
             Col1Ave: <3 Quant Peaks                  Col2Ave: <3 Quant Peaks

 Aroclor-1260 1  11.046  -0.016      2980    10.7      1     ---                      0.0
 Aroclor-1260 2  11.359  -0.018      2894    10.0      2     ---                      0.0
 Aroclor-1260 3  11.733  -0.019      7912    10.4      3     ---                      0.0
 Aroclor-1260 4  12.133  -0.025      3994    10.3      4     ---                      0.0
 Aroclor-1260 5  12.248  -0.014      2634    16.6      NS    ---                     ----
       Total Col1Ave (5 peaks):    11.6                 Col2Ave: <3 Quant Peaks

 Aroclor-1262 1      ---                      0.0      1     ---                     0.0
 Aroclor-1262 2      ---                      0.0      2     ---                     0.0
 Aroclor-1262 3      ---                      0.0      3     ---                     0.0
 Aroclor-1262 4      ---                      0.0      4     ---                     0.0
             Col1Ave: <3 Quant Peaks                  Col2Ave: <3 Quant Peaks

 Aroclor-1268 1      ---                      0.0      1     ---                     0.0
 Aroclor-1268 2      ---                      0.0      2     ---                     0.0
 Aroclor-1268 3      ---                      0.0      3     ---                     0.0
 Aroclor-1268 4      ---                      0.0      4     ---                     0.0
             Col1Ave: <3 Quant Peaks                  Col2Ave: <3 Quant Peaks




 Total PCB Area Col1 (5.936 - 13.808) =     235319     Col1 Total PCB = 0.0 ppm*
```

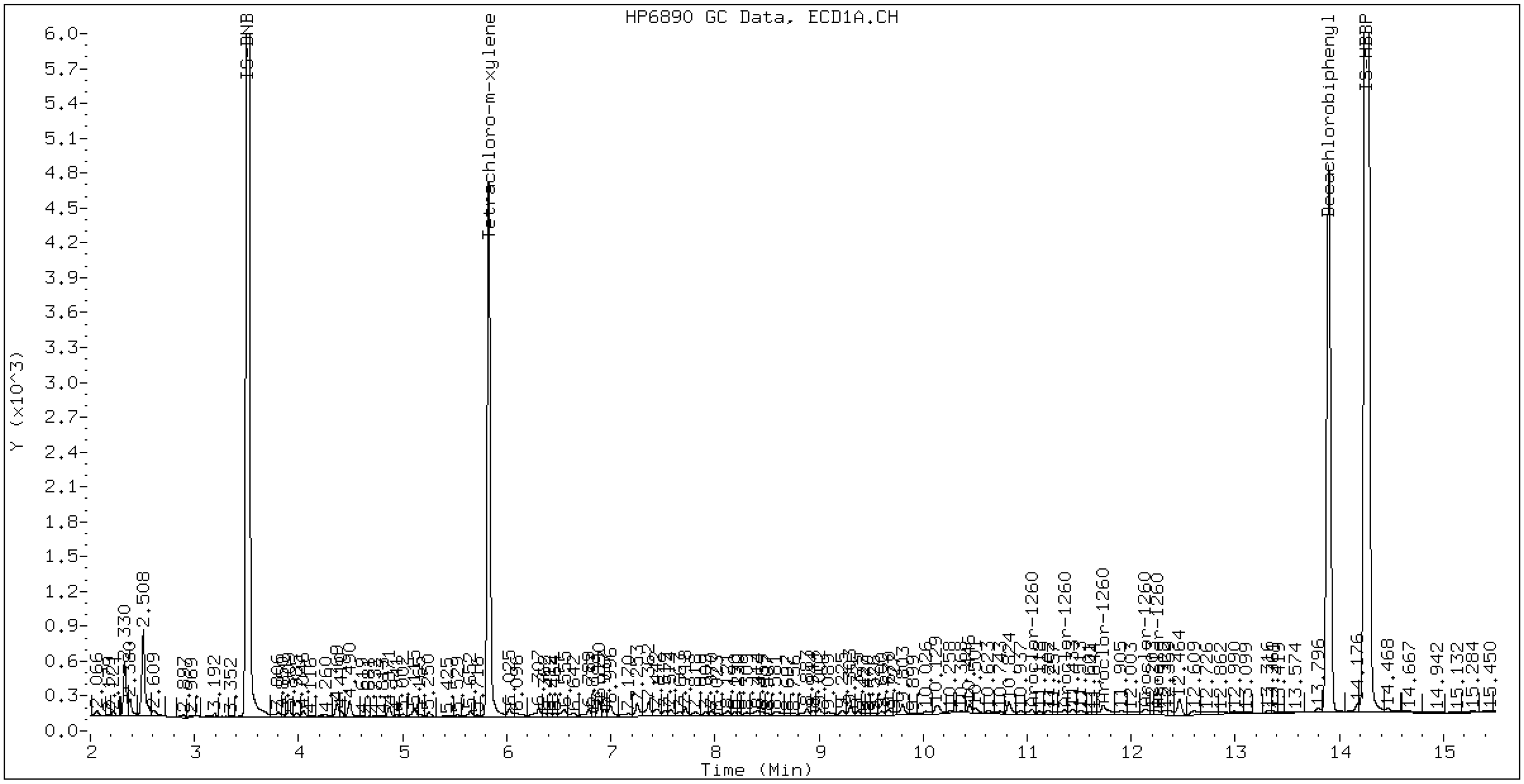
```
Total PCB Area Col2 (5.813 - 14.037) =     118295     Col2 Total PCB = 0.0 ppm*

  *  Quantitated against AR1660 0.25ppm in Ical

                                    PCB-Form 10 Mod.
```

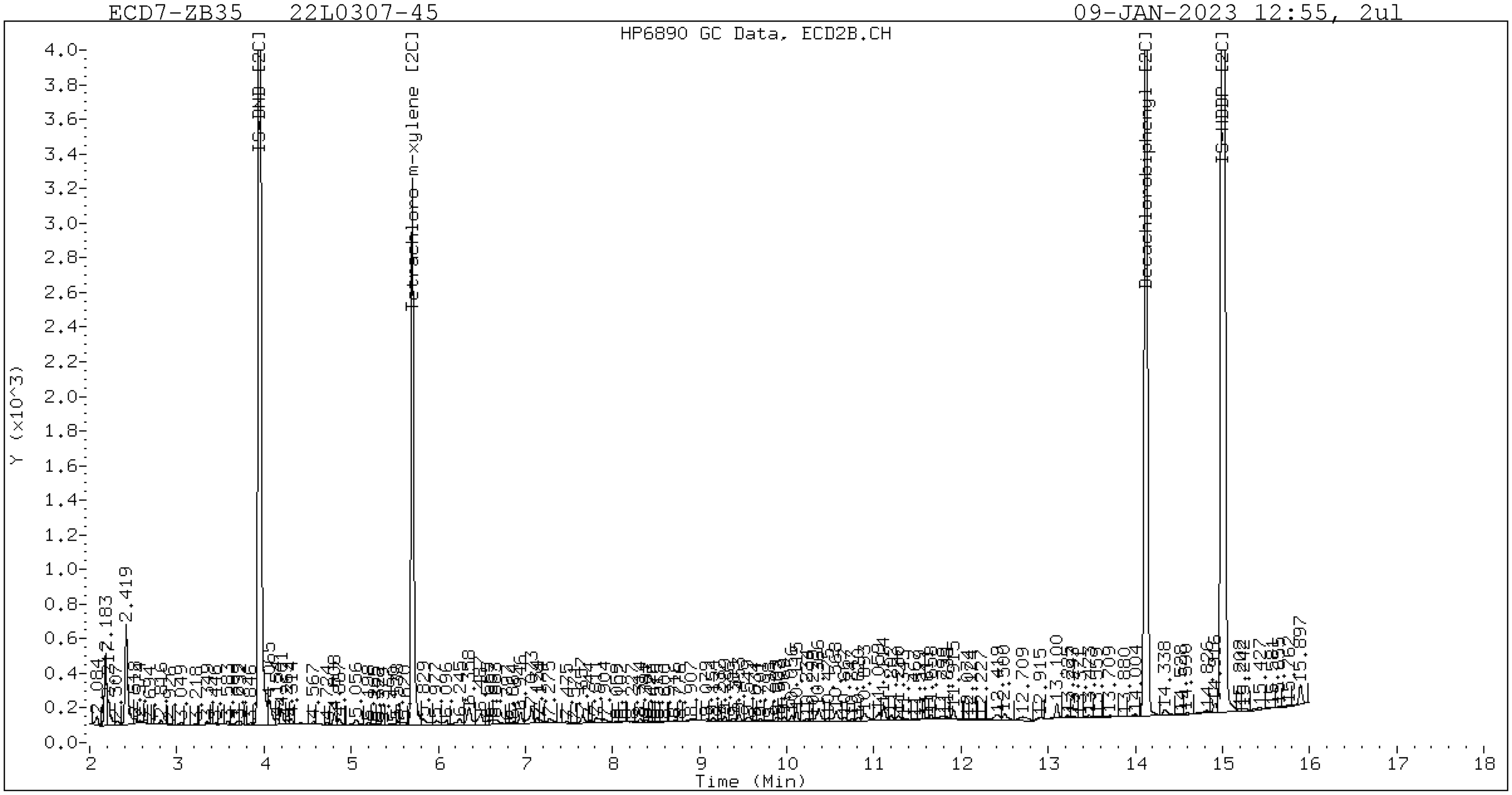
PCB Dual Column Chromatograms

ECD7-ZB5 22L0307-45 09-JAN-2023 12:55, 2ul



ZB-5 Manual Integration: NO

ECD7-ZB35 22L0307-45 09-JAN-2023 12:55, 2ul



ZB-35 Manual Integration: NO

LDW22-SC752D

Dual Column

ORGANIC ANALYSIS DATA SHEET
EPA 8082A

Laboratory:	Analytical Resources, LLC			SDG:	22L0307
Client:	Anchor QEA, LLC				
Project:	AOC4 UR Phase 3				
Matrix:	Solid	Laboratory ID:	22L0307-46 B	File ID:	01092313ECD7.D
Sampled:	12/12/22 11:01	Prepared:	12/29/22 13:41	Analyzed:	01/09/23 13:17
% Solids:	65.90	Preparation:	EPA 3546 (Microwave)	Initial/Final:	18.98 g Wet / 2.5 mL
Batch:	BKL0583	Sequence:	SLA0129	Calibration:	FL00010
Instrument:	ECD7	Column 1:	ZB5	Column 2:	ZB35

CAS NO.	COMPOUND	Col #	DILUTION	CONC. (ug/kg dry)	MDL	MRL	Q
12674-11-2	Aroclor 1016	1	1	4.0	1.6	4.0	U
11104-28-2	Aroclor 1221	1	1	4.0	1.6	4.0	U
11141-16-5	Aroclor 1232	1	1	4.0	1.6	4.0	U
53469-21-9	Aroclor 1242	1	1	4.0	1.6	4.0	U
12672-29-6	Aroclor 1248	1	1	4.0	1.6	4.0	U
11097-69-1	Aroclor 1254	1	1	4.0	1.6	4.0	U
11096-82-5	Aroclor 1260	1	1	4.0	0.6	4.0	U

SURROGATES	Col #	ADDED (ug/kg dry)	CONC (ug/kg dry)	% REC	QC LIMITS	Q
Decachlorobiphenyl	*1*	*7.9950*	*7.16*	*89.5*	*40 - 126*	
Tetrachlorometaxylene	*1*	*7.9950*	*5.30*	*66.3*	*44 - 120*	

```
                        Analytical Resources Inc.
                   Dual Column 608/8082 PCB Quantitation Report

Data file 1: /230109.b/01092313ECD7.D                    ARI ID: 22L0307-46
Data file 2: /230109.b/230109.b/01092313ECD7.D           Client ID:
Method: \\target\share\chem4\ecd7.i\230109.b\PCB.m      Injection Date: 09-JAN-2023 13:17
Compound Sublist: PCB.sub                                Report Date: 01/14/2023 11:52
Instrument, Inj. Vol.: ecd7.i, 2ul                       Matrix: NONE
Quant Method: Internal Std                               Dilution Factor:  1.0



                                 SURROGATES

       ZB5 Col         |       ZB35 Col         |   ZB5    ZB35
  RT    Shift Response | RT    Shift  Response  |  on col  on col    RPD   Compound/Flag
============================================================================================

  5.826 -0.010   180366 | 5.702  -0.011   128843|   26.5    29.2      9.7    Tetrachloro-m-xylene
 13.896 -0.011   244343 |14.123  -0.014   224080|   35.8    32.1     11.0    Decachlorobiphenyl


*  Indicates RPD > 40%




                             INTERNAL STANDARD SUMMARY

                                         Column 1
                                  Standard    Sample
                  Standard Cpnd     Area*       Area      %D
               ---------------------------------------------------
                 Bromo-Nitrobenzene    447645      479816    7.2
                 Hexabromobiphenyl     798898      744400   -6.8

                                         Column 2
                                  Standard    Sample
                  Standard Cpnd     Area*       Area      %D
               ---------------------------------------------------
                 Bromo-Nitrobenzene    249094     321487    29.1
                 Hexabromobiphenyl     362541     492282    35.8


                * Standard Areas taken from Initial Cal Level 3
                  Initial Calibration Date: 03-DEC-2022
               <- Indicates standard response outside Limits (-50 to +100%)
```

```
//target/share/chem4/ecd7.i/230109.b/01092313ECD7.D      22L0307-46                    page 2
                                  ZB5 Col                               ZB35 Col
 Aroclor   Peak#    RT    Shift    Area    Amount    Peak#   RT     Shift    Area   Amount
 ==========================================================================================
 Aroclor-1016 1      ---                     0.0      1     ---                     0.0
 Aroclor-1016 2      ---                     0.0      2     ---                     0.0
 Aroclor-1016 3      ---                     0.0      3     ---                     0.0
 Aroclor-1016 4      ---                     0.0      4     ---                     0.0
             Col1Ave: <3 Quant Peaks                   Col2Ave: <3 Quant Peaks

 Aroclor-1221 1      ---                     0.0      1     ---                     0.0
 Aroclor-1221 2      ---                     0.0      2     ---                     0.0
 Aroclor-1221 3      ---                     0.0      3     ---                     0.0
             Col1Ave: <3 Quant Peaks                   Col2Ave: <3 Quant Peaks

 Aroclor-1232 1   4.730  -0.031       646    27.1      1     ---                     0.0
 Aroclor-1232 2   6.259   0.099      1377    27.3      2     ---                     0.0
 Aroclor-1232 3   7.659  -0.025       466     2.1      3     ---                     0.0
 Aroclor-1232 4   8.614   0.008      1144    11.9      4     ---                     0.0
       Total Col1Ave (4 peaks):    17.1                Col2Ave: <3 Quant Peaks

 Aroclor-1242 1      ---                     0.0      1     ---                     0.0
 Aroclor-1242 2      ---                     0.0      2     ---                     0.0
 Aroclor-1242 3      ---                     0.0      3     ---                     0.0
 Aroclor-1242 4      ---                     0.0      4     ---                     0.0
             Col1Ave: <3 Quant Peaks                   Col2Ave: <3 Quant Peaks

 Aroclor-1248 1      ---                     0.0      1     ---                     0.0
 Aroclor-1248 2      ---                     0.0      2     ---                     0.0
 Aroclor-1248 3      ---                     0.0      3     ---                     0.0
 Aroclor-1248 4      ---                     0.0      4     ---                     0.0
             Col1Ave: <3 Quant Peaks                   Col2Ave: <3 Quant Peaks

 Aroclor-1254 1      ---                     0.0      1     ---                     0.0
 Aroclor-1254 2      ---                     0.0      2     ---                     0.0
 Aroclor-1254 3      ---                     0.0      3     ---                     0.0
 Aroclor-1254 4      ---                     0.0      4     ---                     0.0
 Aroclor-1254 5      ---                     0.0      5     ---                     0.0
             Col1Ave: <3 Quant Peaks                   Col2Ave: <3 Quant Peaks

 Aroclor-1260 1      ---                     0.0      1     ---                     0.0
 Aroclor-1260 2      ---                     0.0      2     ---                     0.0
 Aroclor-1260 3      ---                     0.0      3     ---                     0.0
 Aroclor-1260 4      ---                     0.0      4     ---                     0.0
 Aroclor-1260 5      ---                     0.0      NS    ---                    ----
             Col1Ave: <3 Quant Peaks                   Col2Ave: <3 Quant Peaks

 Aroclor-1262 1      ---                     0.0      1     ---                     0.0
 Aroclor-1262 2      ---                     0.0      2     ---                     0.0
 Aroclor-1262 3      ---                     0.0      3     ---                     0.0
 Aroclor-1262 4      ---                     0.0      4     ---                     0.0
             Col1Ave: <3 Quant Peaks                   Col2Ave: <3 Quant Peaks

 Aroclor-1268 1      ---                     0.0      1     ---                     0.0
 Aroclor-1268 2      ---                     0.0      2     ---                     0.0
 Aroclor-1268 3      ---                     0.0      3     ---                     0.0
 Aroclor-1268 4      ---                     0.0      4     ---                     0.0
             Col1Ave: <3 Quant Peaks                   Col2Ave: <3 Quant Peaks




 Total PCB Area Col1 (5.936 - 13.808) =     182507     Col1 Total PCB = 0.0 ppm*
```

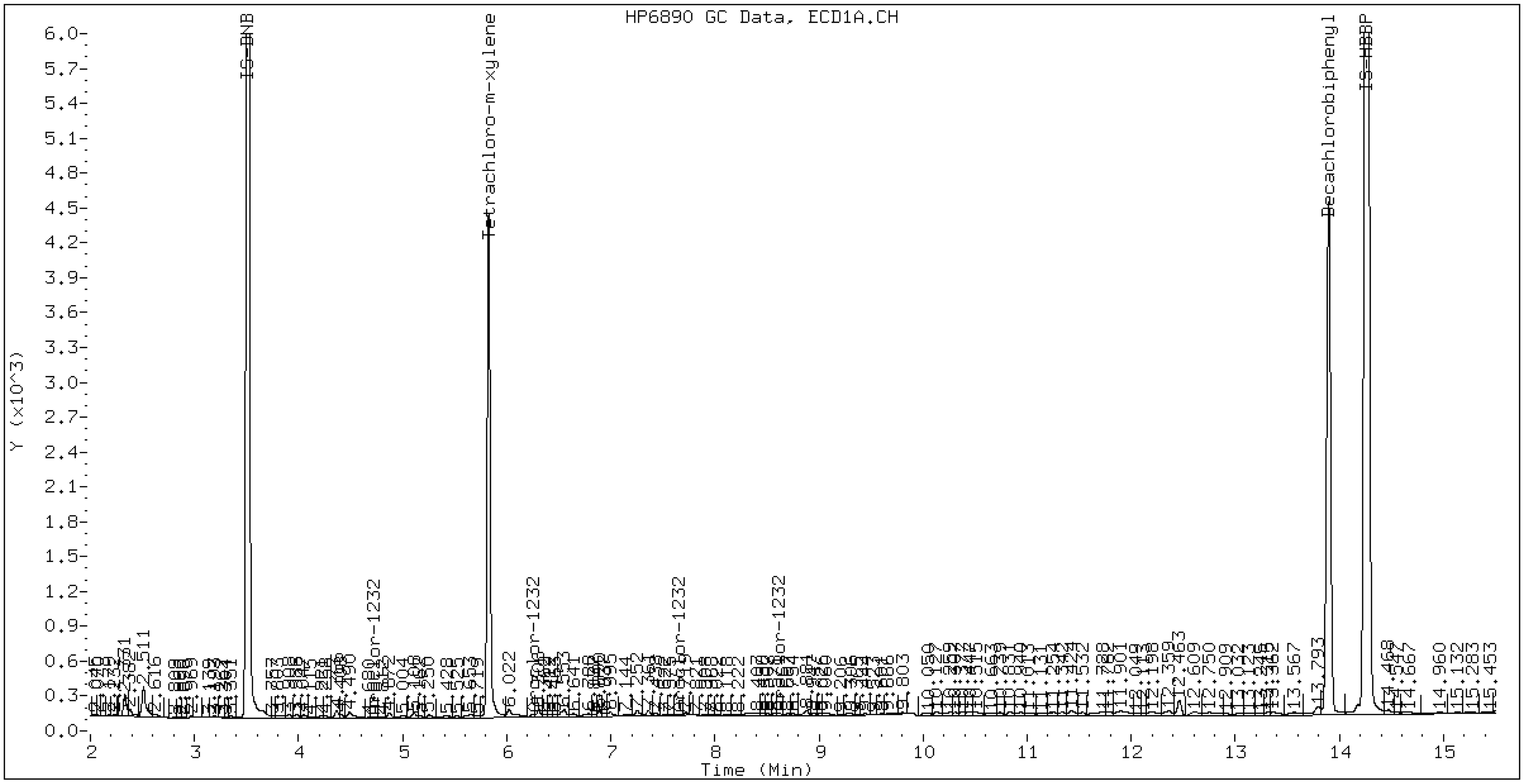
```
Total PCB Area Col2 (5.813 - 14.037) =      91496     Col2 Total PCB = 0.0 ppm*

  *  Quantitated against AR1660 0.25ppm in Ical

                                    PCB-Form 10 Mod.
```

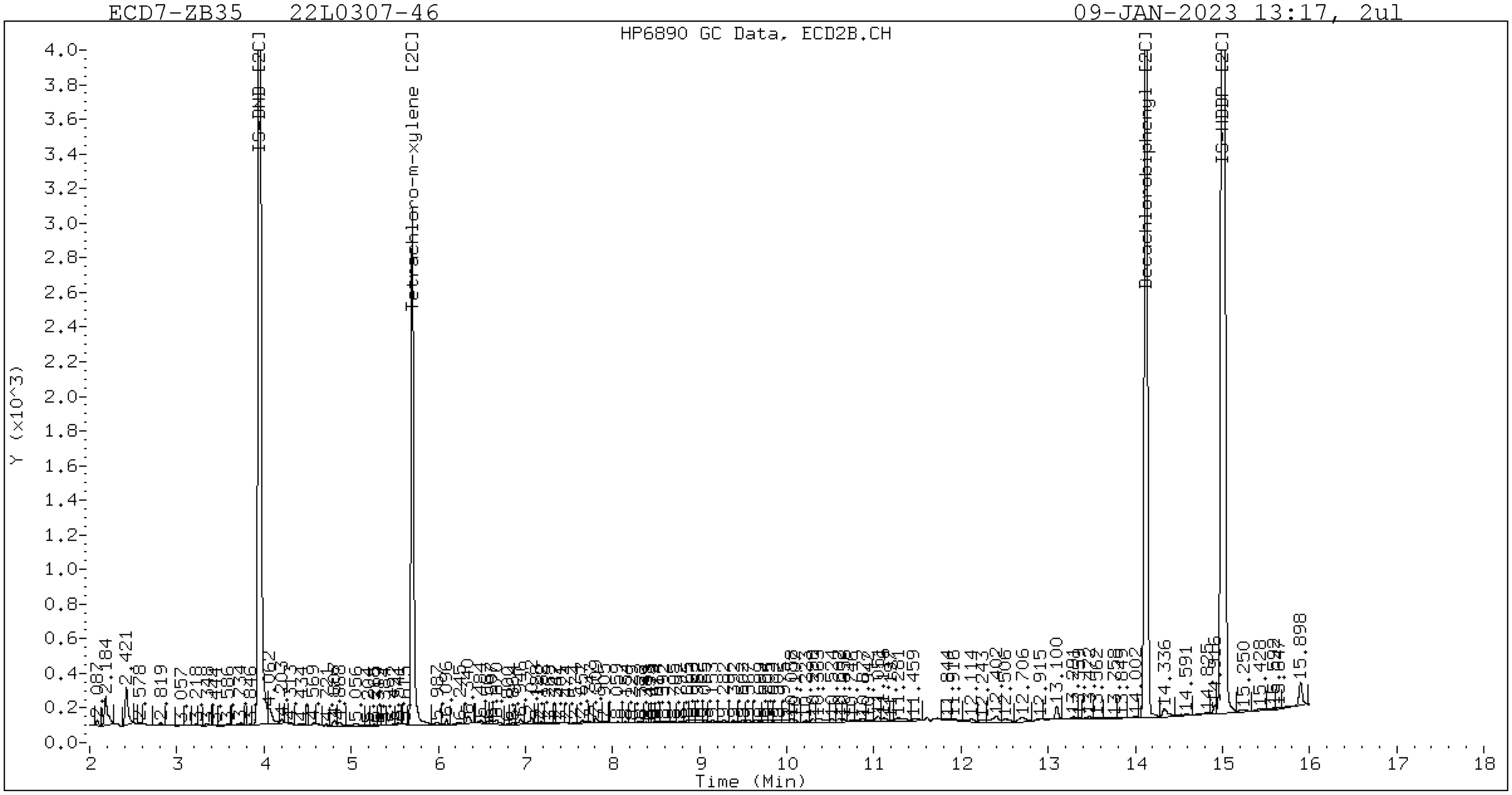
PCB Dual Column Chromatograms

ECD7-ZB5 22L0307-46 09-JAN-2023 13:17, 2ul



ZB-5 Manual Integration: NO

ECD7-ZB35 22L0307-46 09-JAN-2023 13:17, 2ul



ZB-35 Manual Integration: NO

LDW22-SC752E

Dual Column

ORGANIC ANALYSIS DATA SHEET
EPA 8082A

Laboratory: Analytical Resources, LLC
SDG: 22L0307
Client: Anchor QEA, LLC
Project: AOC4 UR Phase 3
Matrix: Solid
Laboratory ID: 22L0307-47 B
File ID: 01092314ECD7.D
Sampled: 12/12/22 11:01
Prepared: 12/29/22 13:41
Analyzed: 01/09/23 13:38
% Solids: 68.37
Preparation: EPA 3546 (Microwave)
Initial/Final: 18.33 g Wet / 2.5 mL
Batch: BKL0583
Sequence: SLA0129
Calibration: FL00010
Instrument: ECD7
Column 1: ZB5
Column 2: ZB35

CAS NO.	COMPOUND	Col #	DILUTION	CONC. (ug/kg dry)	MDL	MRL	Q
12674-11-2	Aroclor 1016	1	1	4.0	1.6	4.0	U
11104-28-2	Aroclor 1221	1	1	4.0	1.6	4.0	U
11141-16-5	Aroclor 1232	1	1	4.0	1.6	4.0	U
53469-21-9	Aroclor 1242	1	1	4.0	1.6	4.0	U
12672-29-6	Aroclor 1248	1	1	4.0	1.6	4.0	U
11097-69-1	Aroclor 1254	1	1	4.0	1.6	4.0	U
11096-82-5	Aroclor 1260	1	1	4.0	0.6	4.0	U

SURROGATES	Col #	ADDED (ug/kg dry)	CONC (ug/kg dry)	% REC	QC LIMITS	Q
Decachlorobiphenyl	*1*	*7.9794*	*7.14*	*89.5*	*40 - 126*	
Tetrachlorometaxylene	*1*	*7.9794*	*5.30*	*66.5*	*44 - 120*	

```
                              Analytical Resources Inc.
                        Dual Column 608/8082 PCB Quantitation Report

 Data file 1: /230109.b/01092314ECD7.D                    ARI ID: 22L0307-47
 Data file 2: /230109.b/230109.b/01092314ECD7.D           Client ID:
 Method: \\target\share\chem4\ecd7.i\230109.b\PCB.m      Injection Date: 09-JAN-2023 13:38
 Compound Sublist: PCB.sub                                Report Date: 01/14/2023 11:52
 Instrument, Inj. Vol.: ecd7.i, 2ul                       Matrix: NONE
 Quant Method: Internal Std                               Dilution Factor:  1.0



                                 SURROGATES

        ZB5 Col          |        ZB35 Col          |   ZB5    ZB35
   RT    Shift Response | RT    Shift  Response   |  on col  on col    RPD   Compound/Flag
 ============================================================================================

  5.827 -0.009   182995 | 5.703  -0.010   128255|   26.6    29.0      8.5    Tetrachloro-m-xylene
 13.897 -0.011   243328 |14.122  -0.015   228543|   35.8    32.7      9.2    Decachlorobiphenyl


*  Indicates RPD > 40%




                            INTERNAL STANDARD SUMMARY

                                        Column 1
                                 Standard    Sample
                 Standard Cpnd     Area*       Area      %D
               --------------------------------------------------
                 Bromo-Nitrobenzene    447645      485720    8.5
                 Hexabromobiphenyl     798898      741374   -7.2

                                        Column 2
                                 Standard    Sample
                 Standard Cpnd     Area*       Area      %D
               --------------------------------------------------
                 Bromo-Nitrobenzene    249094     323105    29.7
                 Hexabromobiphenyl     362541     492980    36.0


                * Standard Areas taken from Initial Cal Level 3
                  Initial Calibration Date: 03-DEC-2022
               <- Indicates standard response outside Limits (-50 to +100%)
```

```
//target/share/chem4/ecd7.i/230109.b/01092314ECD7.D      22L0307-47                        page 2
                             ZB5 Col                          ZB35 Col
 Aroclor   Peak#    RT    Shift    Area    Amount    Peak#   RT     Shift    Area   Amount
 ========================================================================================
 Aroclor-1016 1      ---                     0.0      1     ---                      0.0
 Aroclor-1016 2      ---                     0.0      2     ---                      0.0
 Aroclor-1016 3      ---                     0.0      3     ---                      0.0
 Aroclor-1016 4      ---                     0.0      4     ---                      0.0
             Col1Ave: <3 Quant Peaks                   Col2Ave: <3 Quant Peaks

 Aroclor-1221 1      ---                     0.0      1     ---                      0.0
 Aroclor-1221 2      ---                     0.0      2     ---                      0.0
 Aroclor-1221 3      ---                     0.0      3     ---                      0.0
             Col1Ave: <3 Quant Peaks                   Col2Ave: <3 Quant Peaks

 Aroclor-1232 1      ---                     0.0      1     ---                      0.0
 Aroclor-1232 2      ---                     0.0      2     ---                      0.0
 Aroclor-1232 3      ---                     0.0      3     ---                      0.0
 Aroclor-1232 4      ---                     0.0      4     ---                      0.0
             Col1Ave: <3 Quant Peaks                   Col2Ave: <3 Quant Peaks

 Aroclor-1242 1   7.252  -0.042      2931    21.3      1     ---                      0.0
 Aroclor-1242 2   7.663  -0.022       263     0.6      2     ---                      0.0
 Aroclor-1242 3   8.408  -0.022      2850    22.7      3     ---                      0.0
 Aroclor-1242 4   9.030  -0.001      3406    13.0      4     ---                      0.0
       Total Col1Ave (4 peaks):    14.4                Col2Ave: <3 Quant Peaks

 Aroclor-1248 1      ---                     0.0      1     ---                      0.0
 Aroclor-1248 2      ---                     0.0      2     ---                      0.0
 Aroclor-1248 3      ---                     0.0      3     ---                      0.0
 Aroclor-1248 4      ---                     0.0      4     ---                      0.0
             Col1Ave: <3 Quant Peaks                   Col2Ave: <3 Quant Peaks

 Aroclor-1254 1      ---                     0.0      1     ---                      0.0
 Aroclor-1254 2      ---                     0.0      2     ---                      0.0
 Aroclor-1254 3      ---                     0.0      3     ---                      0.0
 Aroclor-1254 4      ---                     0.0      4     ---                      0.0
 Aroclor-1254 5      ---                     0.0      5     ---                      0.0
             Col1Ave: <3 Quant Peaks                   Col2Ave: <3 Quant Peaks

 Aroclor-1260 1      ---                     0.0      1     ---                      0.0
 Aroclor-1260 2      ---                     0.0      2     ---                      0.0
 Aroclor-1260 3      ---                     0.0      3     ---                      0.0
 Aroclor-1260 4      ---                     0.0      4     ---                      0.0
 Aroclor-1260 5      ---                     0.0      NS    ---                     ----
             Col1Ave: <3 Quant Peaks                   Col2Ave: <3 Quant Peaks

 Aroclor-1262 1      ---                     0.0      1     ---                      0.0
 Aroclor-1262 2      ---                     0.0      2     ---                      0.0
 Aroclor-1262 3      ---                     0.0      3     ---                      0.0
 Aroclor-1262 4      ---                     0.0      4     ---                      0.0
             Col1Ave: <3 Quant Peaks                   Col2Ave: <3 Quant Peaks

 Aroclor-1268 1      ---                     0.0      1     ---                      0.0
 Aroclor-1268 2      ---                     0.0      2     ---                      0.0
 Aroclor-1268 3      ---                     0.0      3     ---                      0.0
 Aroclor-1268 4      ---                     0.0      4     ---                      0.0
             Col1Ave: <3 Quant Peaks                   Col2Ave: <3 Quant Peaks




 Total PCB Area Col1 (5.936 - 13.808) =     115537     Col1 Total PCB = 0.0 ppm*
```

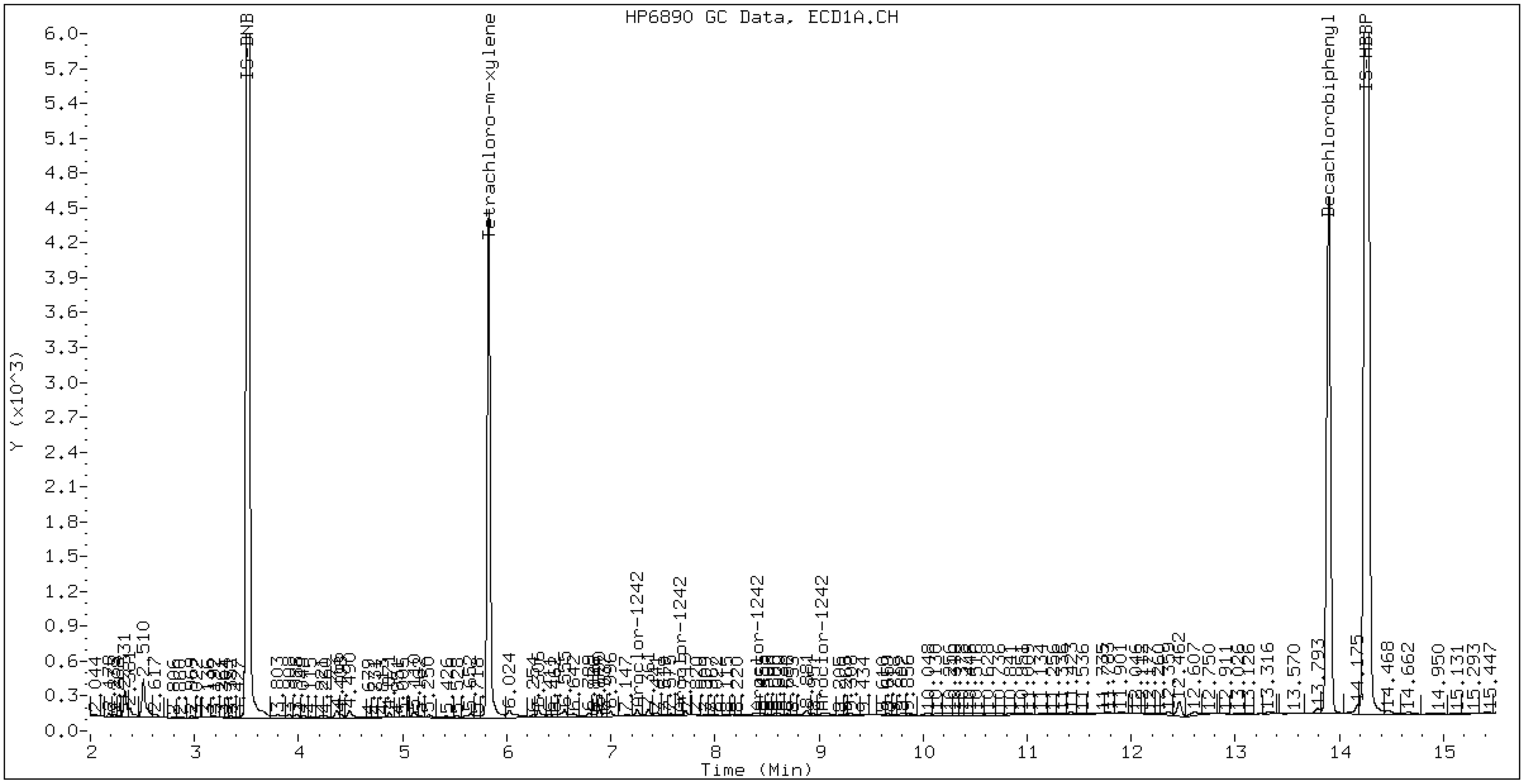
```
Total PCB Area Col2 (5.813 - 14.037) =      72446     Col2 Total PCB = 0.0 ppm*

  *  Quantitated against AR1660 0.25ppm in Ical

                                        PCB-Form 10 Mod.
```

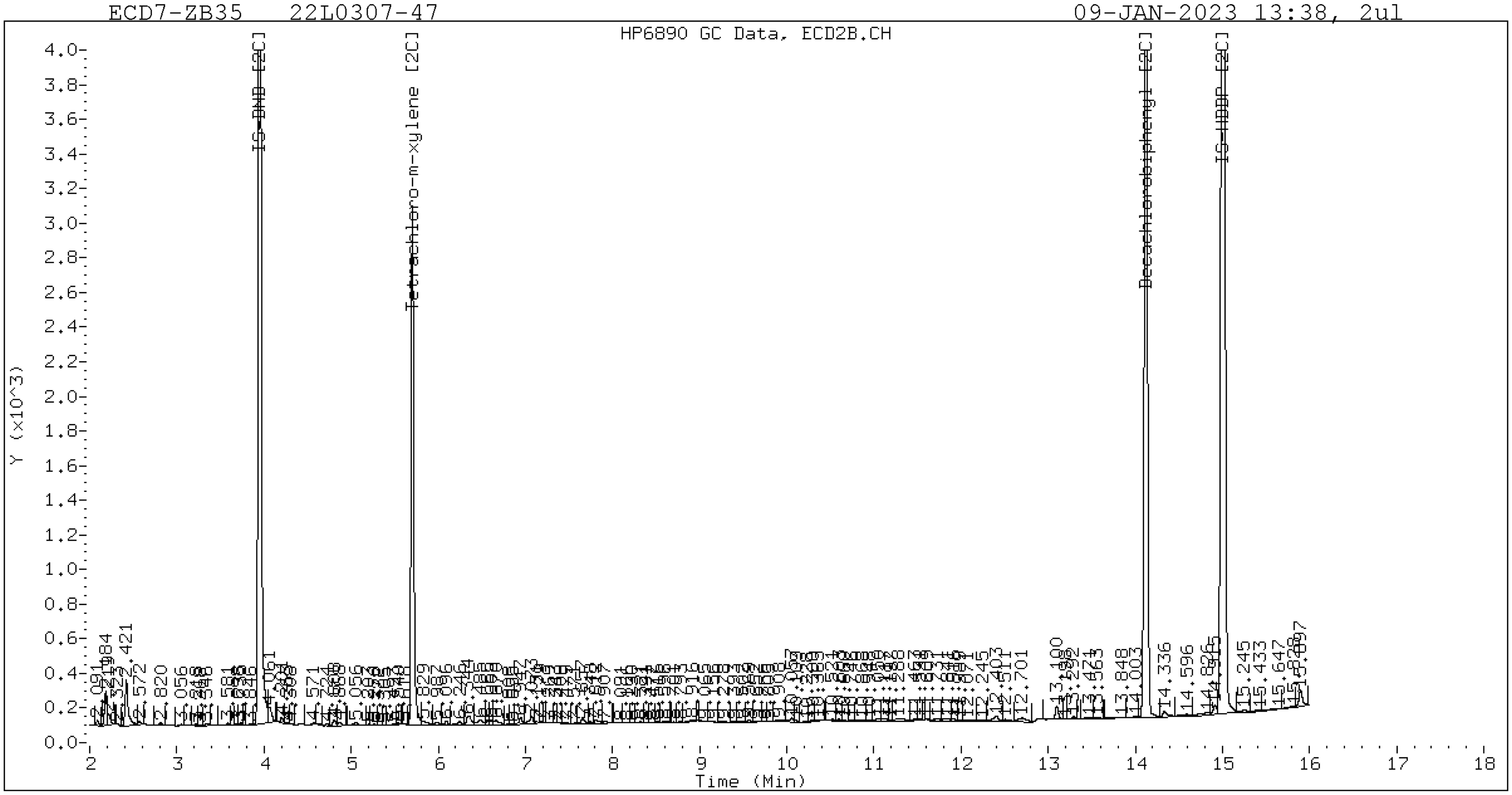
PCB Dual Column Chromatograms

ECD7-ZB5 22L0307-47 09-JAN-2023 13:38, 2ul



ZB-5 Manual Integration: NO

ECD7-ZB35 22L0307-47 09-JAN-2023 13:38, 2ul



ZB-35 Manual Integration: NO

LDW22-SC752F

Dual Column

ORGANIC ANALYSIS DATA SHEET
EPA 8082A

Laboratory: Analytical Resources, LLC

SDG: 22L0307

Client: Anchor QEA, LLC

Project: AOC4 UR Phase 3

Matrix:	Solid	Laboratory ID:	22L0307-48 B	File ID:	01092315ECD7.D
Sampled:	12/12/22 11:01	Prepared:	12/29/22 13:41	Analyzed:	01/09/23 13:59
% Solids:	64.30	Preparation:	EPA 3546 (Microwave)	Initial/Final:	19.49 g Wet / 2.5 mL
Batch:	BKL0583	Sequence:	SLA0129	Calibration:	FL00010
Instrument:	ECD7	Column 1:	ZB5	Column 2:	ZB35

CAS NO.	COMPOUND	Col #	DILUTION	CONC. (ug/kg dry)	MDL	MRL	Q
12674-11-2	Aroclor 1016	1	1	4.0	1.6	4.0	U
11104-28-2	Aroclor 1221	1	1	4.0	1.6	4.0	U
11141-16-5	Aroclor 1232	1	1	4.0	1.6	4.0	U
53469-21-9	Aroclor 1242	1	1	4.0	1.6	4.0	U
12672-29-6	Aroclor 1248	1	1	4.0	1.6	4.0	U
11097-69-1	Aroclor 1254	1	1	4.0	1.6	4.0	U
11096-82-5	Aroclor 1260	1	1	4.0	0.6	4.0	U

SURROGATES	Col #	ADDED (ug/kg dry)	CONC (ug/kg dry)	% REC	QC LIMITS	Q
Decachlorobiphenyl	*1*	*7.9795*	*6.91*	*86.6*	*40 - 126*	
Tetrachlorometaxylene	*1*	*7.9795*	*4.86*	*60.9*	*44 - 120*	

```
                           Analytical Resources Inc.
                      Dual Column 608/8082 PCB Quantitation Report

Data file 1: /230109.b/01092315ECD7.D                        ARI ID: 22L0307-48
Data file 2: /230109.b/230109.b/01092315ECD7.D               Client ID:
Method: \\target\share\chem4\ecd7.i\230109.b\PCB.m           Injection Date: 09-JAN-2023 13:59
Compound Sublist: PCB.sub                                    Report Date: 01/14/2023 11:52
Instrument, Inj. Vol.: ecd7.i, 2ul                           Matrix: NONE
Quant Method: Internal Std                                   Dilution Factor:  1.0



                                 SURROGATES

       ZB5 Col          |       ZB35 Col         |   ZB5    ZB35
  RT    Shift Response | RT    Shift  Response  |  on col  on col    RPD   Compound/Flag
=========================================================================================

 5.825 -0.011   159433 | 5.702  -0.012   117290|   24.3    27.7     13.1    Tetrachloro-m-xylene
13.894 -0.013   190672 |14.121  -0.015   188126|   34.6    30.7     12.1    Decachlorobiphenyl


*  Indicates RPD > 40%




                            INTERNAL STANDARD SUMMARY

                                        Column 1
                                 Standard    Sample
                  Standard Cpnd       Area*       Area      %D
               --------------------------------------------------
                 Bromo-Nitrobenzene    447645      462139    3.2
                 Hexabromobiphenyl     798898      600316  -24.9

                                        Column 2
                                 Standard    Sample
                  Standard Cpnd       Area*       Area      %D
               --------------------------------------------------
                 Bromo-Nitrobenzene    249094     308362    23.8
                 Hexabromobiphenyl     362541     431760    19.1


                * Standard Areas taken from Initial Cal Level 3
                  Initial Calibration Date: 03-DEC-2022
               <- Indicates standard response outside Limits (-50 to +100%)
```

```
//target/share/chem4/ecd7.i/230109.b/01092315ECD7.D      22L0307-48                        page 2
                             ZB5 Col                          ZB35 Col
 Aroclor   Peak#    RT    Shift    Area    Amount    Peak#   RT     Shift    Area   Amount
 ========================================================================================
 Aroclor-1016 1      ---                     0.0      1     ---                      0.0
 Aroclor-1016 2      ---                     0.0      2     ---                      0.0
 Aroclor-1016 3      ---                     0.0      3     ---                      0.0
 Aroclor-1016 4      ---                     0.0      4     ---                      0.0
             Col1Ave: <3 Quant Peaks                   Col2Ave: <3 Quant Peaks

 Aroclor-1221 1      ---                     0.0      1     ---                      0.0
 Aroclor-1221 2      ---                     0.0      2     ---                      0.0
 Aroclor-1221 3      ---                     0.0      3     ---                      0.0
             Col1Ave: <3 Quant Peaks                   Col2Ave: <3 Quant Peaks

 Aroclor-1232 1      ---                     0.0      1     ---                      0.0
 Aroclor-1232 2      ---                     0.0      2     ---                      0.0
 Aroclor-1232 3      ---                     0.0      3     ---                      0.0
 Aroclor-1232 4      ---                     0.0      4     ---                      0.0
             Col1Ave: <3 Quant Peaks                   Col2Ave: <3 Quant Peaks

 Aroclor-1242 1      ---                     0.0      1     ---                      0.0
 Aroclor-1242 2      ---                     0.0      2     ---                      0.0
 Aroclor-1242 3      ---                     0.0      3     ---                      0.0
 Aroclor-1242 4      ---                     0.0      4     ---                      0.0
             Col1Ave: <3 Quant Peaks                   Col2Ave: <3 Quant Peaks

 Aroclor-1248 1      ---                     0.0      1     ---                      0.0
 Aroclor-1248 2      ---                     0.0      2     ---                      0.0
 Aroclor-1248 3      ---                     0.0      3     ---                      0.0
 Aroclor-1248 4      ---                     0.0      4     ---                      0.0
             Col1Ave: <3 Quant Peaks                   Col2Ave: <3 Quant Peaks

 Aroclor-1254 1      ---                     0.0      1     ---                      0.0
 Aroclor-1254 2      ---                     0.0      2     ---                      0.0
 Aroclor-1254 3      ---                     0.0      3     ---                      0.0
 Aroclor-1254 4      ---                     0.0      4     ---                      0.0
 Aroclor-1254 5      ---                     0.0      5     ---                      0.0
             Col1Ave: <3 Quant Peaks                   Col2Ave: <3 Quant Peaks

 Aroclor-1260 1      ---                     0.0      1     ---                      0.0
 Aroclor-1260 2      ---                     0.0      2     ---                      0.0
 Aroclor-1260 3      ---                     0.0      3     ---                      0.0
 Aroclor-1260 4      ---                     0.0      4     ---                      0.0
 Aroclor-1260 5      ---                     0.0      NS    ---                     ----
             Col1Ave: <3 Quant Peaks                   Col2Ave: <3 Quant Peaks

 Aroclor-1262 1      ---                     0.0      1     ---                      0.0
 Aroclor-1262 2      ---                     0.0      2     ---                      0.0
 Aroclor-1262 3      ---                     0.0      3     ---                      0.0
 Aroclor-1262 4      ---                     0.0      4     ---                      0.0
             Col1Ave: <3 Quant Peaks                   Col2Ave: <3 Quant Peaks

 Aroclor-1268 1      ---                     0.0      1     ---                      0.0
 Aroclor-1268 2      ---                     0.0      2     ---                      0.0
 Aroclor-1268 3      ---                     0.0      3     ---                      0.0
 Aroclor-1268 4      ---                     0.0      4     ---                      0.0
             Col1Ave: <3 Quant Peaks                   Col2Ave: <3 Quant Peaks




 Total PCB Area Col1 (5.936 - 13.808) =     169937     Col1 Total PCB = 0.0 ppm*
```

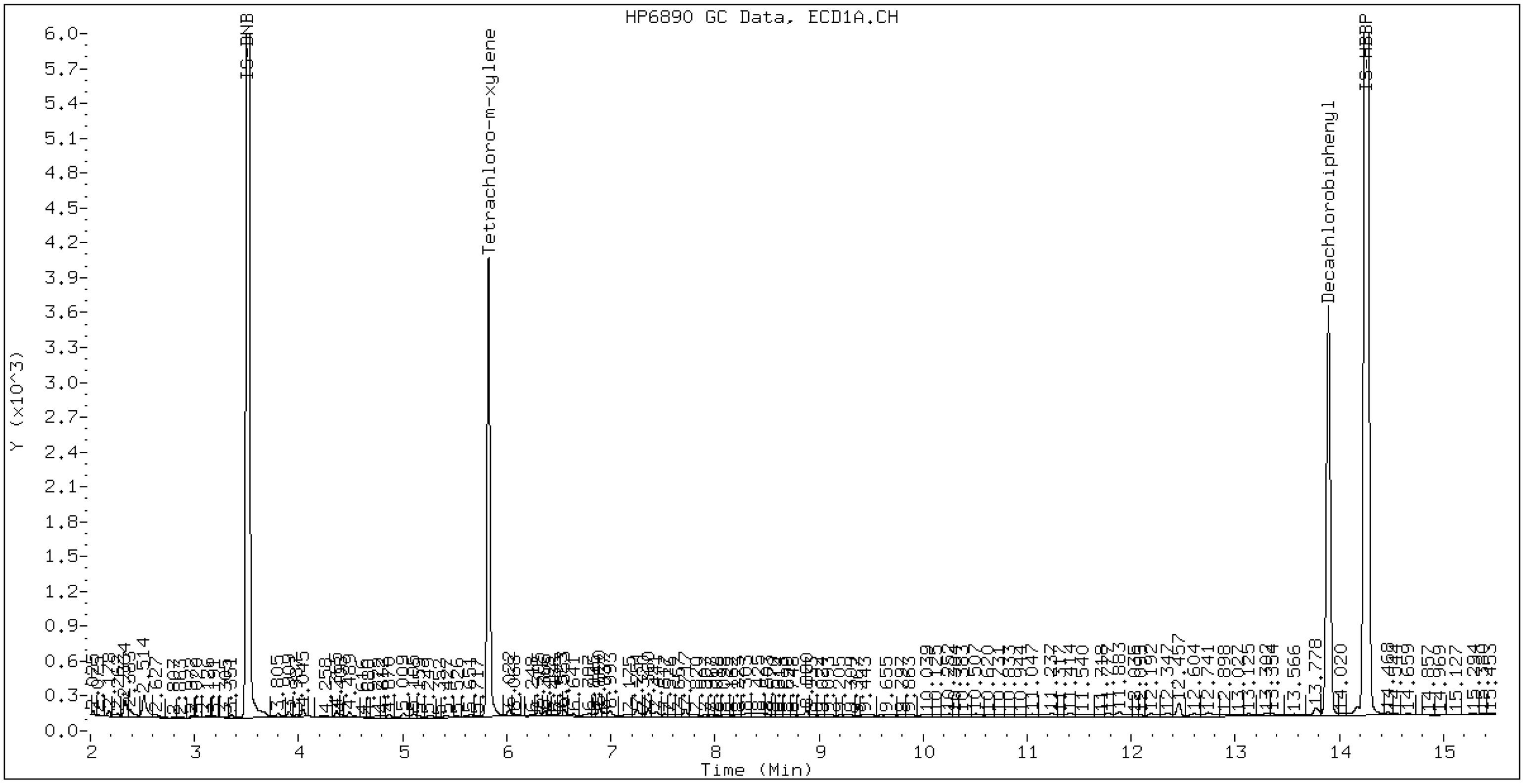
Total PCB Area Col2 (5.813 - 14.037) = 69501 Col2 Total PCB = 0.0 ppm*

* Quantitated against AR1660 0.25ppm in Ical

PCB-Form 10 Mod.

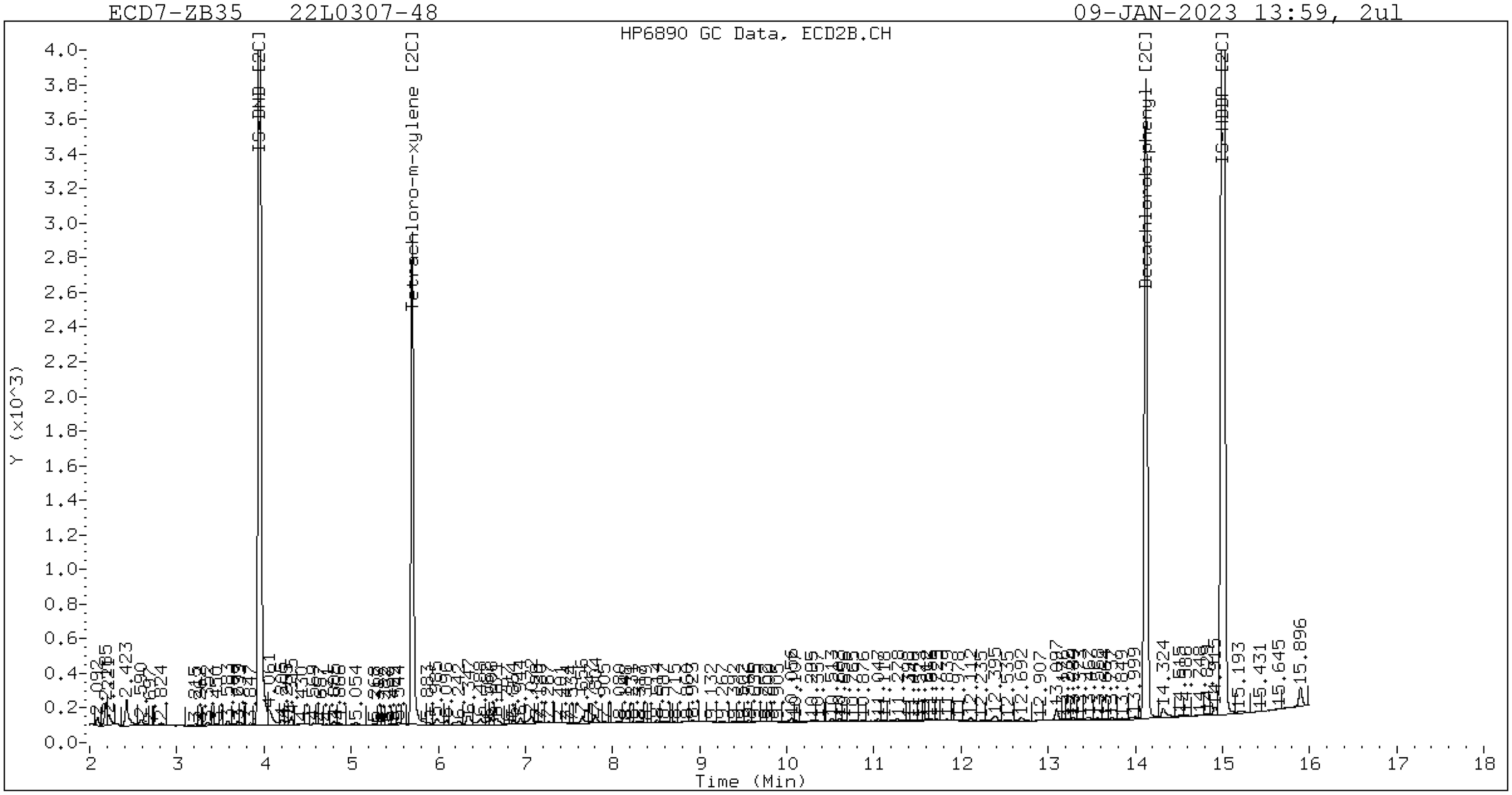
PCB Dual Column Chromatograms

ECD7-ZB5 22L0307-48 09-JAN-2023 13:59, 2ul



ZB-5 Manual Integration: NO

ECD7-ZB35 22L0307-48 09-JAN-2023 13:59, 2ul



ZB-35 Manual Integration: NO

LDW22-SC752G

Dual Column

ORGANIC ANALYSIS DATA SHEET
EPA 8082A

Laboratory:	Analytical Resources, LLC			SDG:	22L0307
Client:	Anchor QEA, LLC				
Project:	AOC4 UR Phase 3				
Matrix:	Solid	Laboratory ID:	22L0307-49 B	File ID:	01092316ECD7.D
Sampled:	12/12/22 11:01	Prepared:	12/29/22 13:41	Analyzed:	01/09/23 14:20
% Solids:	73.32	Preparation:	EPA 3546 (Microwave)	Initial/Final:	17.11 g Wet / 2.5 mL
Batch:	BKL0583	Sequence:	SLA0129	Calibration:	FL00010
Instrument:	ECD7	Column 1:	ZB5	Column 2:	ZB35

CAS NO.	COMPOUND	Col #	DILUTION	CONC. (ug/kg dry)	MDL	MRL	Q
12674-11-2	Aroclor 1016	1	1	4.0	1.6	4.0	U
11104-28-2	Aroclor 1221	1	1	4.0	1.6	4.0	U
11141-16-5	Aroclor 1232	1	1	4.0	1.6	4.0	U
53469-21-9	Aroclor 1242	1	1	4.0	1.6	4.0	U
12672-29-6	Aroclor 1248	1	1	4.0	1.6	4.0	U
11097-69-1	Aroclor 1254	1	1	4.0	1.6	4.0	U
11096-82-5	Aroclor 1260	1	1	4.0	0.6	4.0	U

SURROGATES	Col #	ADDED (ug/kg dry)	CONC (ug/kg dry)	% REC	QC LIMITS	Q
Decachlorobiphenyl	*1*	*7.9713*	*7.07*	*88.7*	*40 - 126*	
Tetrachlorometaxylene	*1*	*7.9713*	*5.58*	*70.0*	*44 - 120*	

```
                               Analytical Resources Inc.
                          Dual Column 608/8082 PCB Quantitation Report

 Data file 1: /230109.b/01092316ECD7.D                        ARI ID: 22L0307-49
 Data file 2: /230109.b/230109.b/01092316ECD7.D               Client ID:
 Method: \\target\share\chem4\ecd7.i\230109.b\PCB.m           Injection Date: 09-JAN-2023 14:20
 Compound Sublist: PCB.sub                                    Report Date: 01/14/2023 11:52
 Instrument, Inj. Vol.: ecd7.i, 2ul                           Matrix: NONE
 Quant Method: Internal Std                                   Dilution Factor:  1.0



                                    SURROGATES

        ZB5 Col          |        ZB35 Col          |   ZB5    ZB35
   RT    Shift Response | RT    Shift  Response  |  on col  on col    RPD   Compound/Flag
 ==========================================================================================

  5.828 -0.008   193019 | 5.704  -0.009   132693|   28.0    28.8      2.7    Tetrachloro-m-xylene
 13.896 -0.012   240905 |14.122  -0.014   234732|   35.5    32.9      7.6    Decachlorobiphenyl


*  Indicates RPD > 40%




                               INTERNAL STANDARD SUMMARY

                                           Column 1
                                    Standard    Sample
                  Standard Cpnd       Area*       Area      %D
                ------------------------------------------------
                  Bromo-Nitrobenzene    447645      486309    8.6
                  Hexabromobiphenyl     798898      740876   -7.3

                                           Column 2
                                    Standard    Sample
                  Standard Cpnd       Area*       Area      %D
                ------------------------------------------------
                  Bromo-Nitrobenzene    249094     336571    35.1
                  Hexabromobiphenyl     362541     502943    38.7


                 * Standard Areas taken from Initial Cal Level 3
                   Initial Calibration Date: 03-DEC-2022
                <- Indicates standard response outside Limits (-50 to +100%)
```

```
                             ZB5 Col                          ZB35 Col
 Aroclor  Peak#    RT    Shift    Area    Amount    Peak#   RT     Shift    Area   Amount
========================================================================================
 Aroclor-1016 1      ---                     0.0      1     ---                      0.0
 Aroclor-1016 2      ---                     0.0      2     ---                      0.0
 Aroclor-1016 3      ---                     0.0      3     ---                      0.0
 Aroclor-1016 4      ---                     0.0      4     ---                      0.0
             Col1Ave: <3 Quant Peaks                   Col2Ave: <3 Quant Peaks

 Aroclor-1221 1      ---                     0.0      1     ---                      0.0
 Aroclor-1221 2      ---                     0.0      2     ---                      0.0
 Aroclor-1221 3      ---                     0.0      3     ---                      0.0
             Col1Ave: <3 Quant Peaks                   Col2Ave: <3 Quant Peaks

 Aroclor-1232 1      ---                     0.0      1     ---                      0.0
 Aroclor-1232 2      ---                     0.0      2     ---                      0.0
 Aroclor-1232 3      ---                     0.0      3     ---                      0.0
 Aroclor-1232 4      ---                     0.0      4     ---                      0.0
             Col1Ave: <3 Quant Peaks                   Col2Ave: <3 Quant Peaks

 Aroclor-1242 1     ---                      0.0      1    7.269  -0.009      261     1.8
 Aroclor-1242 2     ---                      0.0      2    7.904   0.029      296     1.0
 Aroclor-1242 3     ---                      0.0      3    9.140  -0.038      475     4.9
 Aroclor-1242 4     ---                      0.0      4    9.641   0.036      166     1.4
             Col1Ave: <3 Quant Peaks                        Col2Ave:     2.3

 Aroclor-1248 1      ---                     0.0      1     ---                      0.0
 Aroclor-1248 2      ---                     0.0      2     ---                      0.0
 Aroclor-1248 3      ---                     0.0      3     ---                      0.0
 Aroclor-1248 4      ---                     0.0      4     ---                      0.0
             Col1Ave: <3 Quant Peaks                   Col2Ave: <3 Quant Peaks

 Aroclor-1254 1      ---                     0.0      1     ---                      0.0
 Aroclor-1254 2      ---                     0.0      2     ---                      0.0
 Aroclor-1254 3      ---                     0.0      3     ---                      0.0
 Aroclor-1254 4      ---                     0.0      4     ---                      0.0
 Aroclor-1254 5      ---                     0.0      5     ---                      0.0
             Col1Ave: <3 Quant Peaks                   Col2Ave: <3 Quant Peaks

 Aroclor-1260 1      ---                     0.0      1     ---                      0.0
 Aroclor-1260 2      ---                     0.0      2     ---                      0.0
 Aroclor-1260 3      ---                     0.0      3     ---                      0.0
 Aroclor-1260 4      ---                     0.0      4     ---                      0.0
 Aroclor-1260 5      ---                     0.0      NS    ---                     ----
             Col1Ave: <3 Quant Peaks                   Col2Ave: <3 Quant Peaks

 Aroclor-1262 1      ---                     0.0      1     ---                      0.0
 Aroclor-1262 2      ---                     0.0      2     ---                      0.0
 Aroclor-1262 3      ---                     0.0      3     ---                      0.0
 Aroclor-1262 4      ---                     0.0      4     ---                      0.0
             Col1Ave: <3 Quant Peaks                   Col2Ave: <3 Quant Peaks

 Aroclor-1268 1      ---                     0.0      1     ---                      0.0
 Aroclor-1268 2      ---                     0.0      2     ---                      0.0
 Aroclor-1268 3      ---                     0.0      3     ---                      0.0
 Aroclor-1268 4      ---                     0.0      4     ---                      0.0
             Col1Ave: <3 Quant Peaks                   Col2Ave: <3 Quant Peaks




 Total PCB Area Col1 (5.936 - 13.808) =      79293     Col1 Total PCB = 0.0 ppm*
```

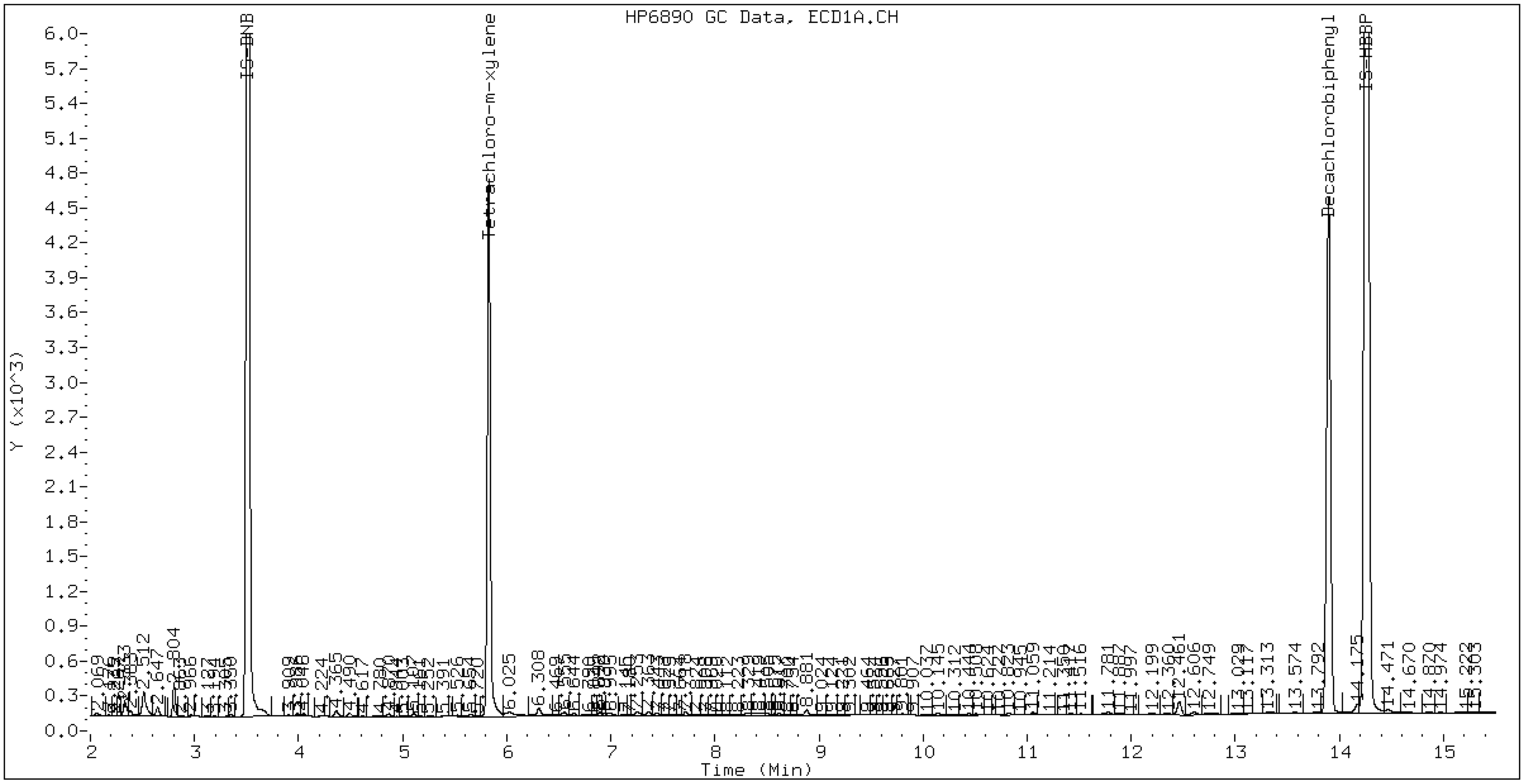
```
Total PCB Area Col2 (5.813 - 14.037) =      46409     Col2 Total PCB = 0.0 ppm*

  *  Quantitated against AR1660 0.25ppm in Ical
```

PCB-Form 10 Mod.

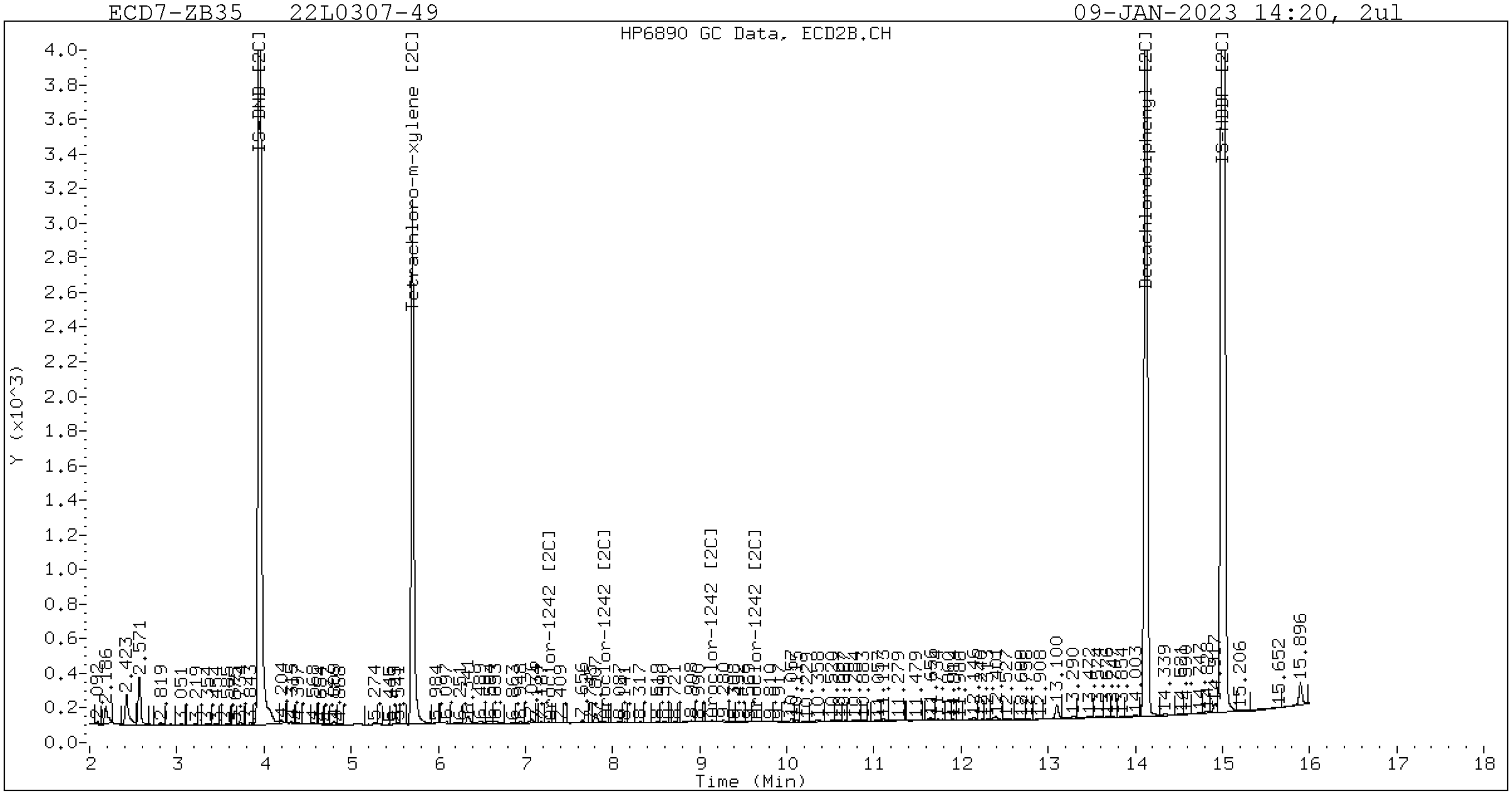
PCB Dual Column Chromatograms

ECD7-ZB5 22L0307-49 09-JAN-2023 14:20, 2ul



ZB-5 Manual Integration: NO

ECD7-ZB35 22L0307-49 09-JAN-2023 14:20, 2ul



ZB-35 Manual Integration: NO

Analytical Resources, LLC
Analytical Chemists and Consultants

LDW22-SC752H

Dual Column

ORGANIC ANALYSIS DATA SHEET
EPA 8082A

Laboratory:	Analytical Resources, LLC			SDG:	22L0307
Client:	Anchor QEA, LLC				
Project:	AOC4 UR Phase 3				
Matrix:	Solid	Laboratory ID:	22L0307-50 B	File ID:	01092317ECD7.D
Sampled:	12/12/22 11:01	Prepared:	12/29/22 13:41	Analyzed:	01/09/23 14:41
% Solids:	76.49	Preparation:	EPA 3546 (Microwave)	Initial/Final:	16.34 g Wet / 2.5 mL
Batch:	BKL0583	Sequence:	SLA0129	Calibration:	FL00010
Instrument:	ECD7	Column 1:	ZB5	Column 2:	ZB35

CAS NO.	COMPOUND	Col #	DILUTION	CONC. (ug/kg dry)	MDL	MRL	Q
12674-11-2	Aroclor 1016	1	1	4.0	1.6	4.0	U
11104-28-2	Aroclor 1221	1	1	4.0	1.6	4.0	U
11141-16-5	Aroclor 1232	1	1	4.0	1.6	4.0	U
53469-21-9	Aroclor 1242	1	1	4.0	1.6	4.0	U
12672-29-6	Aroclor 1248	1	1	4.0	1.6	4.0	U
11097-69-1	Aroclor 1254	1	1	4.0	1.6	4.0	U
11096-82-5	Aroclor 1260	1	1	4.0	0.6	4.0	U

SURROGATES	Col #	ADDED (ug/kg dry)	CONC (ug/kg dry)	% REC	QC LIMITS	Q
Decachlorobiphenyl	*1*	*8.0010*	*7.65*	*95.6*	*40 - 126*	
Tetrachlorometaxylene	*1*	*8.0010*	*6.17*	*77.1*	*44 - 120*	

```
                              Analytical Resources Inc.
                         Dual Column 608/8082 PCB Quantitation Report

 Data file 1: /230109.b/01092317ECD7.D                  ARI ID: 22L0307-50
 Data file 2: /230109.b/230109.b/01092317ECD7.D         Client ID:
 Method: \\target\share\chem4\ecd7.i\230109.b\PCB.m      Injection Date: 09-JAN-2023 14:41
 Compound Sublist: PCB.sub                              Report Date: 01/14/2023 11:52
 Instrument, Inj. Vol.: ecd7.i, 2ul                     Matrix: NONE
 Quant Method: Internal Std                             Dilution Factor:  1.0



                                 SURROGATES

        ZB5 Col          |       ZB35 Col          |   ZB5    ZB35
   RT    Shift Response | RT    Shift  Response   |  on col  on col    RPD   Compound/Flag
 ===========================================================================================

  5.829 -0.007   214950 | 5.706  -0.008   145057|   30.8    31.7      2.8    Tetrachloro-m-xylene
 13.897 -0.011   313973 |14.123  -0.013   286366|   38.3    35.8      6.7    Decachlorobiphenyl


*  Indicates RPD > 40%



                            INTERNAL STANDARD SUMMARY

                                        Column 1
                                 Standard    Sample
                   Standard Cpnd       Area*       Area      %D
               --------------------------------------------------
                 Bromo-Nitrobenzene    447645      491729    9.8
                 Hexabromobiphenyl     798898      895242   12.1

                                        Column 2
                                 Standard    Sample
                   Standard Cpnd       Area*       Area      %D
               --------------------------------------------------
                 Bromo-Nitrobenzene    249094     333633    33.9
                 Hexabromobiphenyl     362541     563545    55.4


                * Standard Areas taken from Initial Cal Level 3
                  Initial Calibration Date: 03-DEC-2022
               <- Indicates standard response outside Limits (-50 to +100%)
```

```
                                ZB5 Col                              ZB35 Col
 Aroclor   Peak#    RT    Shift    Area    Amount    Peak#   RT     Shift    Area   Amount
 ==================================================================================
 Aroclor-1016 1      ---                     0.0      1     ---                    0.0
 Aroclor-1016 2      ---                     0.0      2     ---                    0.0
 Aroclor-1016 3      ---                     0.0      3     ---                    0.0
 Aroclor-1016 4      ---                     0.0      4     ---                    0.0
          Col1Ave: <3 Quant Peaks                   Col2Ave: <3 Quant Peaks

 Aroclor-1221 1      ---                     0.0      1     ---                    0.0
 Aroclor-1221 2      ---                     0.0      2     ---                    0.0
 Aroclor-1221 3      ---                     0.0      3     ---                    0.0
          Col1Ave: <3 Quant Peaks                   Col2Ave: <3 Quant Peaks

 Aroclor-1232 1      ---                     0.0      1     ---                    0.0
 Aroclor-1232 2      ---                     0.0      2     ---                    0.0
 Aroclor-1232 3      ---                     0.0      3     ---                    0.0
 Aroclor-1232 4      ---                     0.0      4     ---                    0.0
          Col1Ave: <3 Quant Peaks                   Col2Ave: <3 Quant Peaks

 Aroclor-1242 1      ---                     0.0      1     ---                    0.0
 Aroclor-1242 2      ---                     0.0      2     ---                    0.0
 Aroclor-1242 3      ---                     0.0      3     ---                    0.0
 Aroclor-1242 4      ---                     0.0      4     ---                    0.0
          Col1Ave: <3 Quant Peaks                   Col2Ave: <3 Quant Peaks

 Aroclor-1248 1      ---                     0.0      1     ---                    0.0
 Aroclor-1248 2      ---                     0.0      2     ---                    0.0
 Aroclor-1248 3      ---                     0.0      3     ---                    0.0
 Aroclor-1248 4      ---                     0.0      4     ---                    0.0
          Col1Ave: <3 Quant Peaks                   Col2Ave: <3 Quant Peaks

 Aroclor-1254 1      ---                     0.0      1     ---                    0.0
 Aroclor-1254 2      ---                     0.0      2     ---                    0.0
 Aroclor-1254 3      ---                     0.0      3     ---                    0.0
 Aroclor-1254 4      ---                     0.0      4     ---                    0.0
 Aroclor-1254 5      ---                     0.0      5     ---                    0.0
          Col1Ave: <3 Quant Peaks                   Col2Ave: <3 Quant Peaks

 Aroclor-1260 1      ---                     0.0      1     ---                    0.0
 Aroclor-1260 2      ---                     0.0      2     ---                    0.0
 Aroclor-1260 3      ---                     0.0      3     ---                    0.0
 Aroclor-1260 4      ---                     0.0      4     ---                    0.0
 Aroclor-1260 5      ---                     0.0      NS    ---                   ----
          Col1Ave: <3 Quant Peaks                   Col2Ave: <3 Quant Peaks

 Aroclor-1262 1      ---                     0.0      1     ---                    0.0
 Aroclor-1262 2      ---                     0.0      2     ---                    0.0
 Aroclor-1262 3      ---                     0.0      3     ---                    0.0
 Aroclor-1262 4      ---                     0.0      4     ---                    0.0
          Col1Ave: <3 Quant Peaks                   Col2Ave: <3 Quant Peaks

 Aroclor-1268 1      ---                     0.0      1     ---                    0.0
 Aroclor-1268 2      ---                     0.0      2     ---                    0.0
 Aroclor-1268 3      ---                     0.0      3     ---                    0.0
 Aroclor-1268 4      ---                     0.0      4     ---                    0.0
          Col1Ave: <3 Quant Peaks                   Col2Ave: <3 Quant Peaks




 Total PCB Area Col1 (5.936 - 13.808) =      83832     Col1 Total PCB = 0.0 ppm*
```

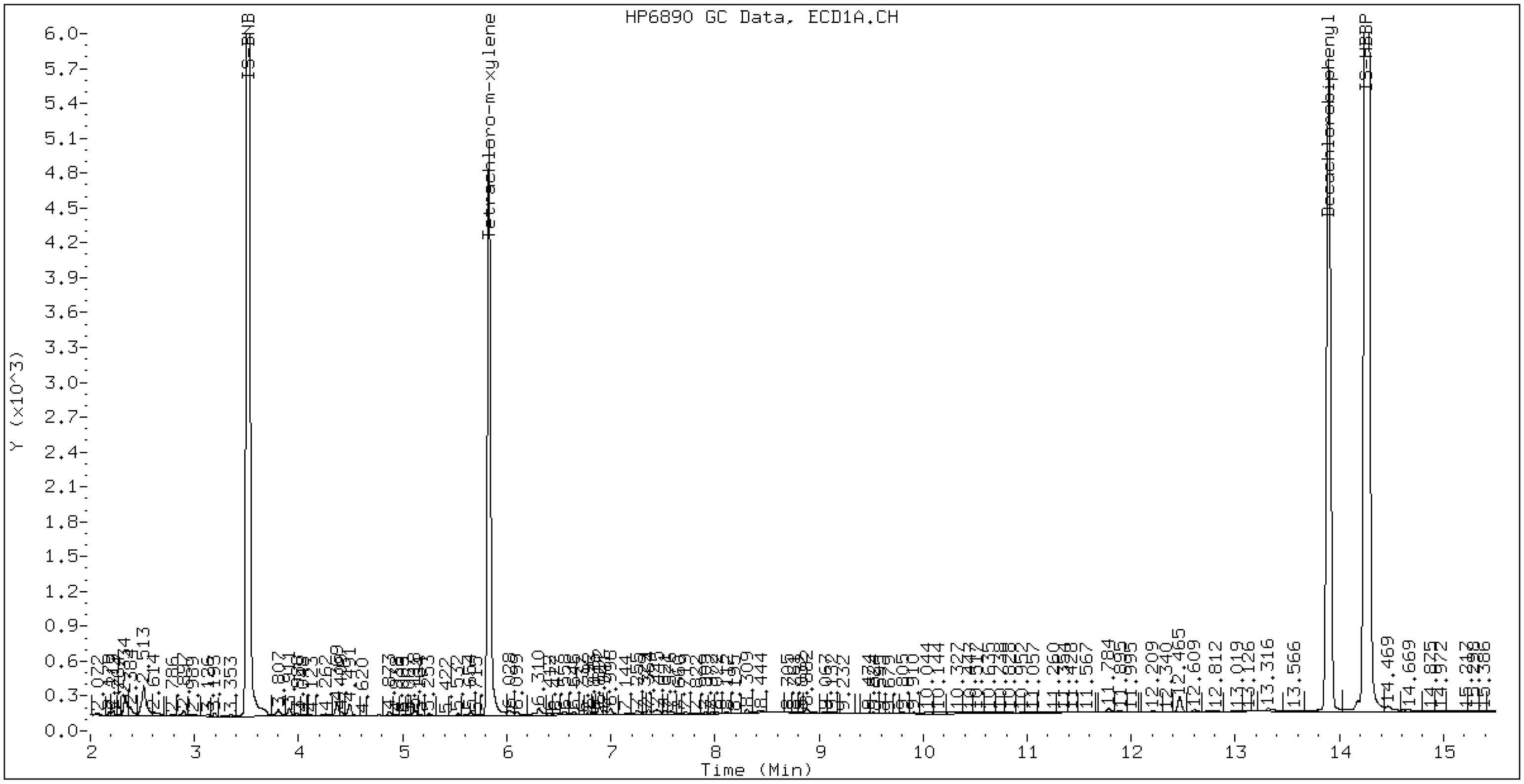
```
Total PCB Area Col2 (5.813 - 14.037) =      55894     Col2 Total PCB = 0.0 ppm*

  *  Quantitated against AR1660 0.25ppm in Ical

                                        PCB-Form 10 Mod.
```

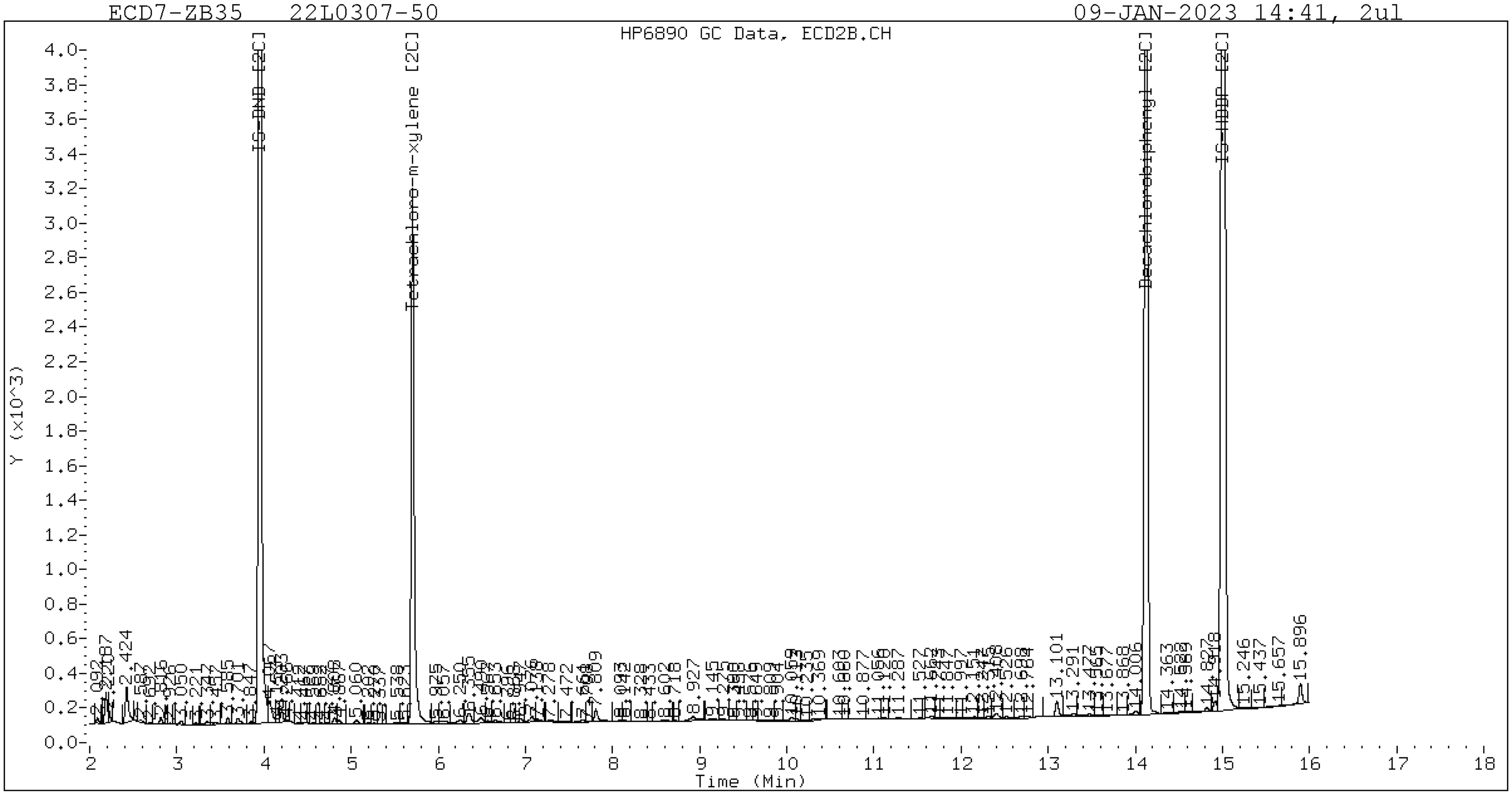
PCB Dual Column Chromatograms

ECD7-ZB5 22L0307-50 09-JAN-2023 14:41, 2ul



ZB-5 Manual Integration: NO

ECD7-ZB35 22L0307-50 09-JAN-2023 14:41, 2ul



ZB-35 Manual Integration: NO

LDW22-SC752B-FD

Dual Column

ORGANIC ANALYSIS DATA SHEET
EPA 8082A

Laboratory:	Analytical Resources, LLC			SDG:	22L0307
Client:	Anchor QEA, LLC				
Project:	AOC4 UR Phase 3				
Matrix:	Solid	Laboratory ID:	22L0307-51 B	File ID:	01092322ECD7.D
Sampled:	12/12/22 11:01	Prepared:	12/29/22 13:41	Analyzed:	01/09/23 16:27
% Solids:	70.93	Preparation:	EPA 3546 (Microwave)	Initial/Final:	17.69 g Wet / 2.5 mL
Batch:	BKL0583	Sequence:	SLA0129	Calibration:	FL00010
Instrument:	ECD7	Column 1:	ZB5	Column 2:	ZB35

CAS NO.	COMPOUND	Col #	DILUTION	CONC. (ug/kg dry)	MDL	MRL	Q
12674-11-2	Aroclor 1016	1	1	4.0	1.6	4.0	U
11104-28-2	Aroclor 1221	1	1	4.0	1.6	4.0	U
11141-16-5	Aroclor 1232	1	1	4.0	1.6	4.0	U
53469-21-9	Aroclor 1242	1	1	4.0	1.6	4.0	U
12672-29-6	Aroclor 1248	1	1	4.0	1.6	4.0	U
11097-69-1	Aroclor 1254	1	1	4.0	1.6	4.0	U
11096-82-5	Aroclor 1260	1	1	4.0	0.6	4.0	U

SURROGATES	Col #	ADDED (ug/kg dry)	CONC (ug/kg dry)	% REC	QC LIMITS	Q
Decachlorobiphenyl	*1*	*7.9697*	*7.91*	*99.2*	*40 - 126*	
Tetrachlorometaxylene	*1*	*7.9697*	*5.86*	*73.5*	*44 - 120*	

```
                              Analytical Resources Inc.
                         Dual Column 608/8082 PCB Quantitation Report

Data file 1: /230109.b/01092322ECD7.D                        ARI ID: 22L0307-51
Data file 2: /230109.b/230109.b/01092322ECD7.D               Client ID:
Method: \\target\share\chem4\ecd7.i\230109.b\PCB.m           Injection Date: 09-JAN-2023 16:27
Compound Sublist: PCB.sub                                    Report Date: 01/14/2023 11:52
Instrument, Inj. Vol.: ecd7.i, 2ul                           Matrix: NONE
Quant Method: Internal Std                                   Dilution Factor:  1.0



                                 SURROGATES

       ZB5 Col          |        ZB35 Col         |   ZB5    ZB35
  RT    Shift Response  | RT    Shift  Response   |  on col  on col    RPD   Compound/Flag
==========================================================================================

 5.827 -0.009   198614 | 5.704  -0.010   137912|   29.4    31.7      7.4    Tetrachloro-m-xylene
13.896 -0.012   250885 |14.123  -0.014   237820|   39.7    35.3     11.7    Decachlorobiphenyl


*  Indicates RPD > 40%




                             INTERNAL STANDARD SUMMARY

                                         Column 1
                                  Standard    Sample
                  Standard Cpnd      Area*       Area      %D
               --------------------------------------------------
                 Bromo-Nitrobenzene    447645      476688    6.5
                 Hexabromobiphenyl     798898      689619  -13.7

                                         Column 2
                                  Standard    Sample
                  Standard Cpnd      Area*       Area      %D
               --------------------------------------------------
                 Bromo-Nitrobenzene    249094     317857    27.6
                 Hexabromobiphenyl     362541     474473    30.9


                * Standard Areas taken from Initial Cal Level 3
                  Initial Calibration Date: 03-DEC-2022
               <- Indicates standard response outside Limits (-50 to +100%)
```

```
//target/share/chem4/ecd7.i/230109.b/01092322ECD7.D      22L0307-51                       page 2
                             ZB5 Col                                ZB35 Col
 Aroclor   Peak#    RT    Shift    Area    Amount    Peak#   RT     Shift    Area   Amount
 ==========================================================================================
 Aroclor-1016 1      ---                    0.0      1     ---                      0.0
 Aroclor-1016 2      ---                    0.0      2     ---                      0.0
 Aroclor-1016 3      ---                    0.0      3     ---                      0.0
 Aroclor-1016 4      ---                    0.0      4     ---                      0.0
             Col1Ave: <3 Quant Peaks                  Col2Ave: <3 Quant Peaks

 Aroclor-1221 1   4.734  -0.026       446    11.3      1     ---                      0.0
 Aroclor-1221 2   6.255   0.096      1474    21.2      2     ---                      0.0
 Aroclor-1221 3   6.408  -0.001      1658    10.4      3     ---                      0.0
       Total Col1Ave (3 peaks):    14.3               Col2Ave: <3 Quant Peaks

 Aroclor-1232 1      ---                    0.0      1     ---                      0.0
 Aroclor-1232 2      ---                    0.0      2     ---                      0.0
 Aroclor-1232 3      ---                    0.0      3     ---                      0.0
 Aroclor-1232 4      ---                    0.0      4     ---                      0.0
             Col1Ave: <3 Quant Peaks                  Col2Ave: <3 Quant Peaks

 Aroclor-1242 1      ---                    0.0      1     ---                      0.0
 Aroclor-1242 2      ---                    0.0      2     ---                      0.0
 Aroclor-1242 3      ---                    0.0      3     ---                      0.0
 Aroclor-1242 4      ---                    0.0      4     ---                      0.0
             Col1Ave: <3 Quant Peaks                  Col2Ave: <3 Quant Peaks

 Aroclor-1248 1      ---                    0.0      1     ---                      0.0
 Aroclor-1248 2      ---                    0.0      2     ---                      0.0
 Aroclor-1248 3      ---                    0.0      3     ---                      0.0
 Aroclor-1248 4      ---                    0.0      4     ---                      0.0
             Col1Ave: <3 Quant Peaks                  Col2Ave: <3 Quant Peaks

 Aroclor-1254 1      ---                    0.0      1     ---                      0.0
 Aroclor-1254 2      ---                    0.0      2     ---                      0.0
 Aroclor-1254 3      ---                    0.0      3     ---                      0.0
 Aroclor-1254 4      ---                    0.0      4     ---                      0.0
 Aroclor-1254 5      ---                    0.0      5     ---                      0.0
             Col1Ave: <3 Quant Peaks                  Col2Ave: <3 Quant Peaks

 Aroclor-1260 1  11.045  -0.017      2822    11.2      1     ---                      0.0
 Aroclor-1260 2  11.360  -0.017      1930     7.4      2     ---                      0.0
 Aroclor-1260 3  11.731  -0.021      5727     8.4      3     ---                      0.0
 Aroclor-1260 4  12.132  -0.027      2756     7.9      4     ---                      0.0
 Aroclor-1260 5  12.246  -0.016      1725    12.1      NS    ---                     ----
       Total Col1Ave (5 peaks):     9.4               Col2Ave: <3 Quant Peaks

 Aroclor-1262 1      ---                    0.0      1     ---                      0.0
 Aroclor-1262 2      ---                    0.0      2     ---                      0.0
 Aroclor-1262 3      ---                    0.0      3     ---                      0.0
 Aroclor-1262 4      ---                    0.0      4     ---                      0.0
             Col1Ave: <3 Quant Peaks                  Col2Ave: <3 Quant Peaks

 Aroclor-1268 1      ---                    0.0      1     ---                      0.0
 Aroclor-1268 2      ---                    0.0      2     ---                      0.0
 Aroclor-1268 3      ---                    0.0      3     ---                      0.0
 Aroclor-1268 4      ---                    0.0      4     ---                      0.0
             Col1Ave: <3 Quant Peaks                  Col2Ave: <3 Quant Peaks




 Total PCB Area Col1 (5.936 - 13.808) =     201170     Col1 Total PCB = 0.0 ppm*
```

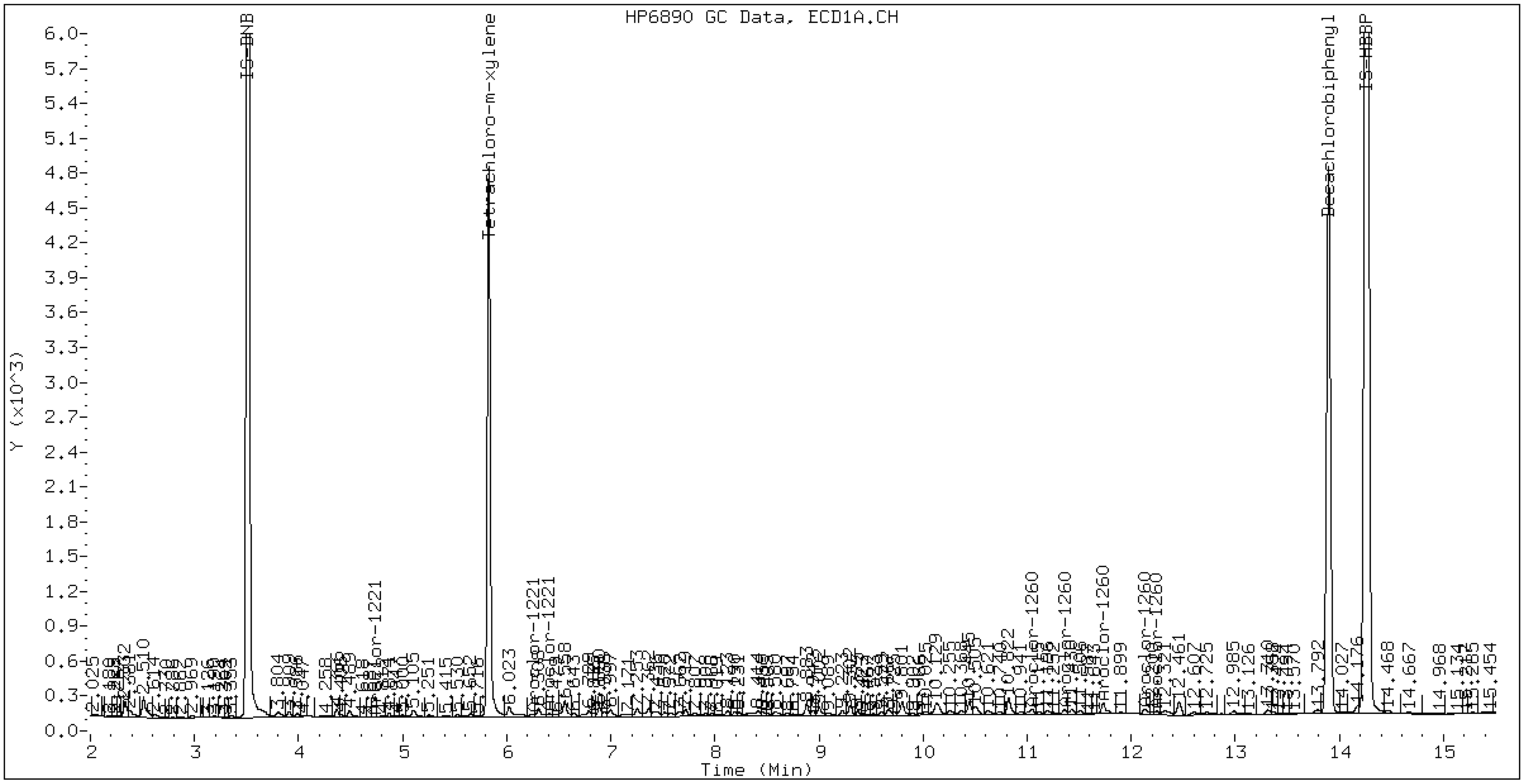
```
Total PCB Area Col2 (5.813 - 14.037) =     122407     Col2 Total PCB = 0.0 ppm*

  *  Quantitated against AR1660 0.25ppm in Ical

                                    PCB-Form 10 Mod.
```

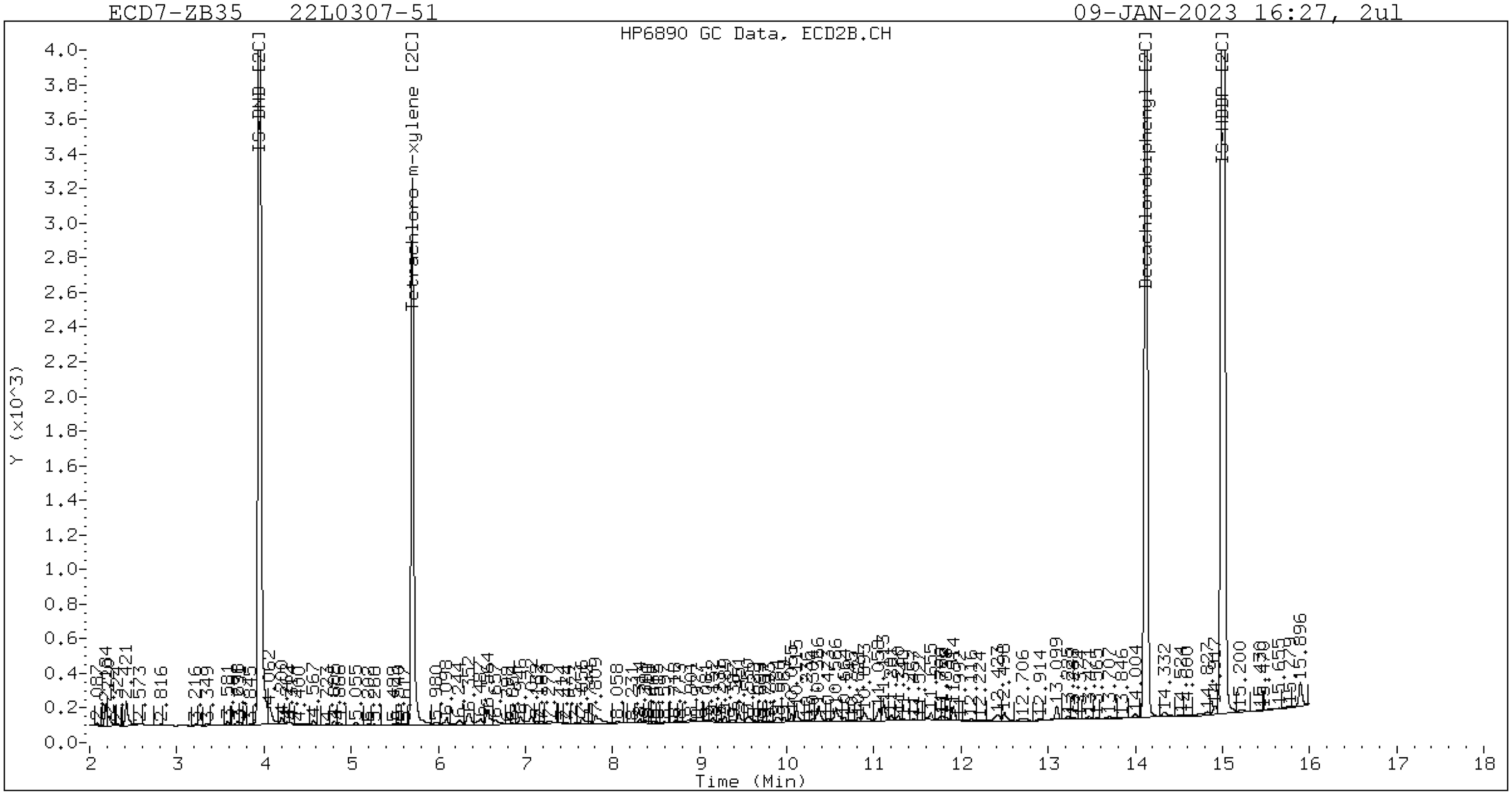
PCB Dual Column Chromatograms

ECD7-ZB5 22L0307-51 09-JAN-2023 16:27, 2ul



ZB-5 Manual Integration: NO

ECD7-ZB35 22L0307-51 09-JAN-2023 16:27, 2ul



ZB-35 Manual Integration: NO

LDW22-SC800A

Dual Column

ORGANIC ANALYSIS DATA SHEET
EPA 8082A

Laboratory:	Analytical Resources, LLC			SDG:	22L0307
Client:	Anchor QEA, LLC				
Project:	AOC4 UR Phase 3				
Matrix:	Solid	Laboratory ID:	22L0307-52 B	File ID:	01092323ECD7.D
Sampled:	12/12/22 12:14	Prepared:	12/29/22 13:41	Analyzed:	01/09/23 16:48
% Solids:	45.25	Preparation:	EPA 3546 (Microwave)	Initial/Final:	27.69 g Wet / 2.5 mL
Batch:	BKL0583	Sequence:	SLA0129	Calibration:	FL00010
Instrument:	ECD7	Column 1:	ZB5	Column 2:	ZB35

CAS NO.	COMPOUND	Col #	DILUTION	CONC. (ug/kg dry)	MDL	MRL	Q
12674-11-2	Aroclor 1016	1	1	4.0	1.6	4.0	U
11104-28-2	Aroclor 1221	1	1	4.0	1.6	4.0	U
11141-16-5	Aroclor 1232	1	1	4.0	1.6	4.0	U
53469-21-9	Aroclor 1242	1	1	4.0	1.6	4.0	U
12672-29-6	Aroclor 1248	2	1	30.2	1.6	4.0	
11097-69-1	Aroclor 1254	2	1	57.4	1.6	4.0	
11096-82-5	Aroclor 1260	2	1	32.8	0.6	4.0	

SURROGATES	Col #	ADDED (ug/kg dry)	CONC (ug/kg dry)	% REC	QC LIMITS	Q
Decachlorobiphenyl	*1*	*7.9810*	*7.73*	*96.9*	*40 - 126*	
Tetrachlorometaxylene	*1*	*7.9810*	*5.78*	*72.5*	*44 - 120*	
Decachlorobiphenyl	*2*	*7.9810*	*6.95*	*87.1*	*40 - 126*	
Tetrachlorometaxylene	*2*	*7.9810*	*6.08*	*76.2*	*44 - 120*	

```
                              Analytical Resources Inc.
                         Dual Column 608/8082 PCB Quantitation Report

Data file 1: /230109.b/01092323ECD7.D                        ARI ID: 22L0307-52
Data file 2: /230109.b/230109.b/01092323ECD7.D               Client ID:
Method: \\target\share\chem4\ecd7.i\230109.b\PCB.m           Injection Date: 09-JAN-2023 16:48
Compound Sublist: PCB.sub                                    Report Date: 01/14/2023 11:52
Instrument, Inj. Vol.: ecd7.i, 2ul                           Matrix: NONE
Quant Method: Internal Std                                   Dilution Factor:  1.0



                                   SURROGATES

       ZB5 Col          |       ZB35 Col         |   ZB5    ZB35
  RT    Shift Response | RT    Shift  Response   |  on col  on col    RPD   Compound/Flag
=========================================================================================

 5.826 -0.010   184217 | 5.702  -0.011   129112|   29.0    30.5      5.0    Tetrachloro-m-xylene
13.894 -0.014   183156 |14.120  -0.016   192800|   38.8    34.8     10.7    Decachlorobiphenyl


*  Indicates RPD > 40%




                              INTERNAL STANDARD SUMMARY

                                        Column 1
                                 Standard    Sample
                  Standard Cpnd     Area*       Area      %D
               --------------------------------------------------
                 Bromo-Nitrobenzene    447645      448410    0.2
                 Hexabromobiphenyl     798898      515502  -35.5

                                        Column 2
                                 Standard    Sample
                  Standard Cpnd     Area*       Area      %D
               --------------------------------------------------
                 Bromo-Nitrobenzene    249094     308987    24.0
                 Hexabromobiphenyl     362541     389934     7.6


                * Standard Areas taken from Initial Cal Level 3
                  Initial Calibration Date: 03-DEC-2022
               <- Indicates standard response outside Limits (-50 to +100%)
```

```
//target/share/chem4/ecd7.i/230109.b/01092323ECD7.D      22L0307-52                        page 2
                              ZB5 Col                                ZB35 Col
 Aroclor   Peak#    RT    Shift    Area    Amount    Peak#   RT     Shift    Area   Amount
 ==========================================================================================
 Aroclor-1016 1   7.279  -0.016      6972    46.6      1    7.268  -0.008    10067    63.7
 Aroclor-1016 2   7.659  -0.025     37732    78.1      2    7.855  -0.016    26292    77.2
 Aroclor-1016 3   7.797  -0.020     11707    53.5      3    8.054  -0.016     5967    40.8
 Aroclor-1016 4   8.410  -0.019     25397   182.0      4    8.224  -0.017     4823    62.7
       Total Col1Ave (4 peaks):    90.1       Total Col2Ave (4 peaks):    61.1   RPD = 38
       Corrected Ave (3 peaks):    59.4       Corrected Ave (3 peaks):    55.7   RPD = 6

 Aroclor-1221 1   4.723  -0.037      5588   150.8      1     ---                       0.0
 Aroclor-1221 2   6.155  -0.003      3140    48.1      2     ---                       0.0
 Aroclor-1221 3   6.399  -0.010      4878    32.4      3     ---                       0.0
       Total Col1Ave (3 peaks):    77.1                Col2Ave: <3 Quant Peaks

 Aroclor-1232 1   4.723  -0.038      5588   250.5      1     ---                       0.0
 Aroclor-1232 2   6.155  -0.004      3140    66.6      2     ---                       0.0
 Aroclor-1232 3   7.659  -0.025     37732   178.3      3     ---                       0.0
 Aroclor-1232 4   8.578  -0.028     21171   235.8      4     ---                       0.0
       Total Col1Ave (4 peaks):   182.8                Col2Ave: <3 Quant Peaks

 Aroclor-1242 1   7.279  -0.016      6972    54.9      1     ---                       0.0
 Aroclor-1242 2   7.659  -0.026     37732    93.5      2     ---                       0.0
 Aroclor-1242 3   8.410  -0.020     25397   218.7      3     ---                       0.0
 Aroclor-1242 4   8.996  -0.035     64190   266.2      4     ---                       0.0
       Total Col1Ave (4 peaks):   158.3                Col2Ave: <3 Quant Peaks

 Aroclor-1248 1   8.410  -0.017     25397   131.7      1    8.311  -0.015    21943   173.8
 Aroclor-1248 2   8.578  -0.026     21171    86.0      2    8.716  -0.016    16668   125.5
 Aroclor-1248 3   8.996  -0.027     64190   145.0      3    9.149  -0.029    24910   154.2
 Aroclor-1248 4   9.297  -0.014     78442   361.6      4    9.623   0.021     3212    16.9
       Total Col1Ave (4 peaks):   181.1       Total Col2Ave (4 peaks):   117.6   RPD = 42*
       Corrected Ave (3 peaks):   120.9       Corrected Ave (3 peaks):    98.9   RPD = 20

 Aroclor-1254 1   9.297  -0.024     78442   198.7      1    9.447  -0.019    49644   249.2
 Aroclor-1254 2   9.373  -0.029     31870   207.6      2    9.966  -0.021    28126   175.6
 Aroclor-1254 3   9.673  -0.021     81618   327.3      3   10.114  -0.026    91723   266.4
 Aroclor-1254 4   9.798  -0.033    117628   242.0      4   10.357  -0.032   118797   333.2
 Aroclor-1254 5  10.134  -0.055    138568   415.9      5   10.562  -0.024    71054   413.2
       Total Col1Ave (5 peaks):   278.3       Total Col2Ave (5 peaks):   287.5   RPD = 3
       Corrected Ave (4 peaks):   243.9       Corrected Ave (4 peaks):   256.1   RPD = 5

 Aroclor-1260 1  11.042  -0.020     35846   191.0      1   11.652  -0.018    37364   181.5
 Aroclor-1260 2  11.356  -0.021     26859   138.4      2   11.912  -0.020    65867   127.5
 Aroclor-1260 3  11.727  -0.025     88243   173.0      3   12.431  -0.020    28096   204.3
 Aroclor-1260 4  12.128  -0.031     46322   178.4      4   12.494  -0.022    49311   143.2
 Aroclor-1260 5  12.243  -0.018     20819   195.8      NS    ---                      ----
       Total Col1Ave (5 peaks):   175.3       Total Col2Ave (4 peaks):   164.1   RPD = 7
       Corrected Ave (4 peaks):   170.2       Corrected Ave (3 peaks):   150.8   RPD = 12

 Aroclor-1262 1  10.817  -0.031    150210   871.3      1     ---                       0.0
 Aroclor-1262 2  12.243  -0.020     20819    77.7      2     ---                       0.0
 Aroclor-1262 3  12.316  -0.020     24972    87.2      3     ---                       0.0
 Aroclor-1262 4  12.981  -0.024     23136   100.7      4     ---                       0.0
       Total Col1Ave (4 peaks):   284.2                Col2Ave: <3 Quant Peaks

 Aroclor-1268 1  12.243  -0.019     20819    28.9      1   12.431  -0.018    28096    38.2
 Aroclor-1268 2  12.316  -0.019     24972    35.4      2   12.494  -0.023    49311    65.3
 Aroclor-1268 3  12.719   0.002     13004    22.5      3   12.891  -0.018     2761     9.9
 Aroclor-1268 4  13.487  -0.018      8215     4.7      4   13.705  -0.021    11618     5.8
       Total Col1Ave (4 peaks):    22.8       Total Col2Ave (4 peaks):    29.8   RPD = 26
       Corrected Ave (3 peaks):    18.7       Corrected Ave (3 peaks):    17.9   RPD = 4
```

```
Total PCB Area Col1 (5.936 - 13.808) =    2007482     Col1 Total PCB = 0.5 ppm*

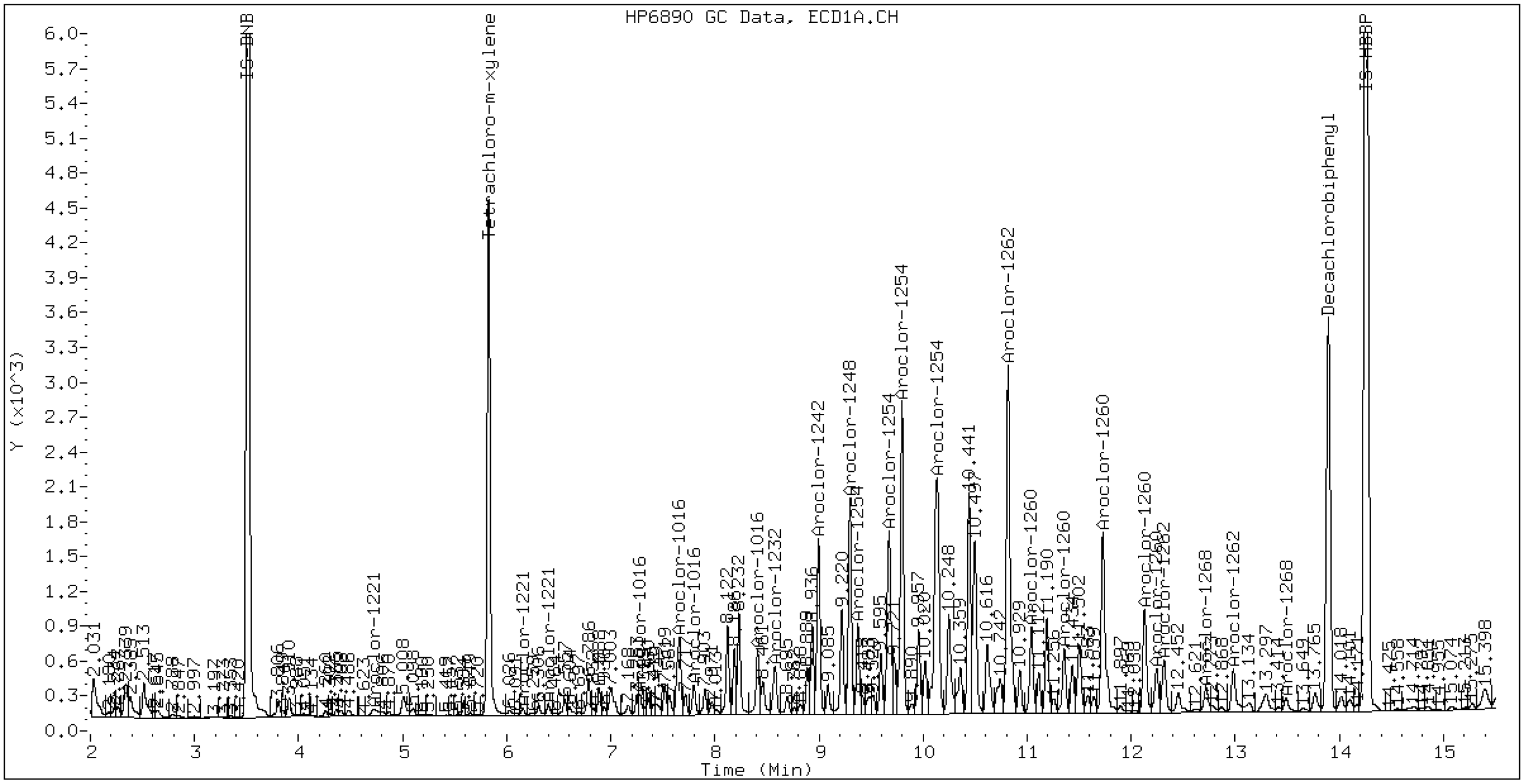
Total PCB Area Col2 (5.813 - 14.037) =    1467688     Col2 Total PCB = 0.5 ppm*

  *  Quantitated against AR1660 0.25ppm in Ical

                                    PCB-Form 10 Mod.
```

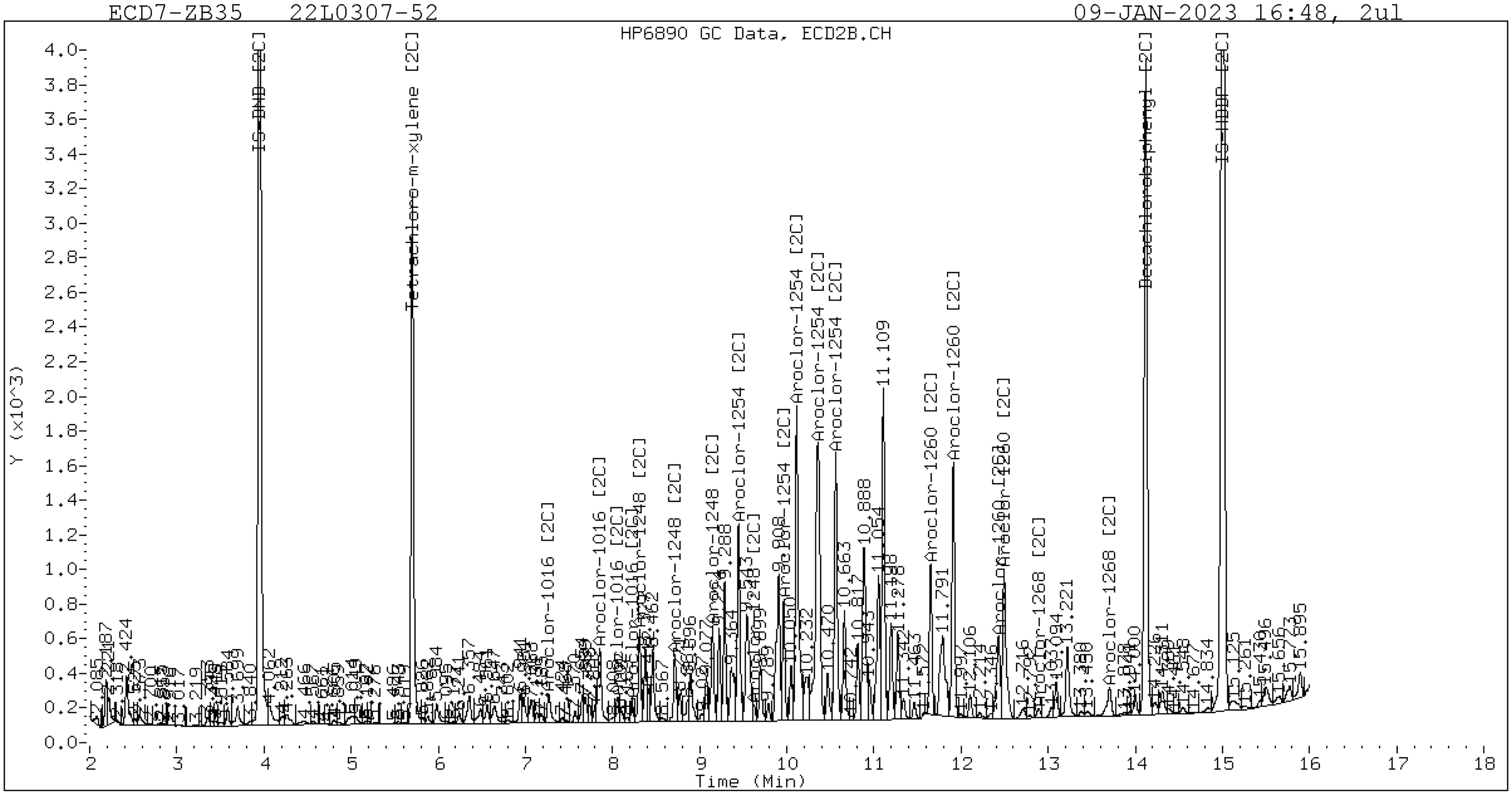
PCB Dual Column Chromatograms

ECD7-ZB5 22L0307-52 09-JAN-2023 16:48, 2ul



ZB-5 Manual Integration: YES

ECD7-ZB35 22L0307-52 09-JAN-2023 16:48, 2ul

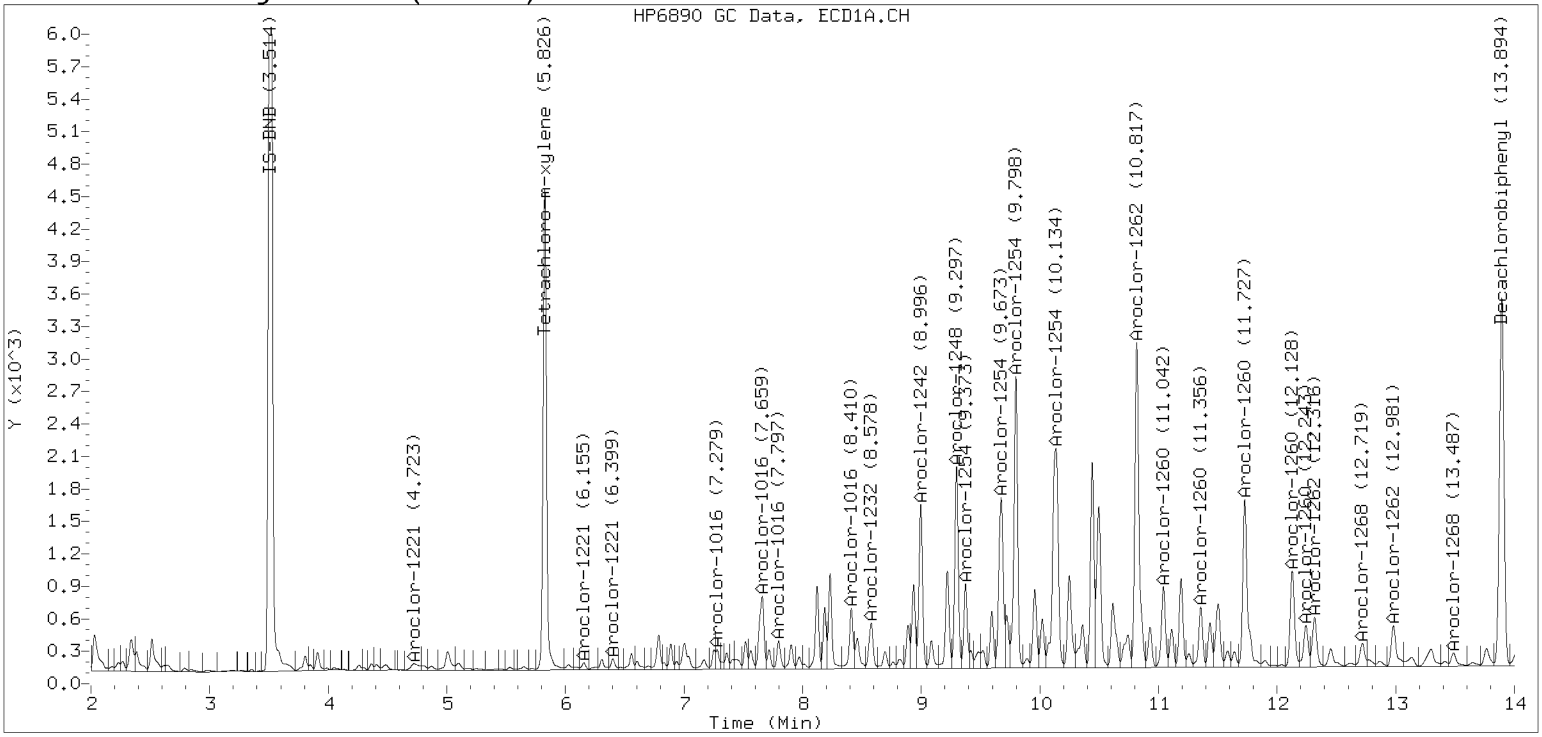


ZB-35 Manual Integration: NO

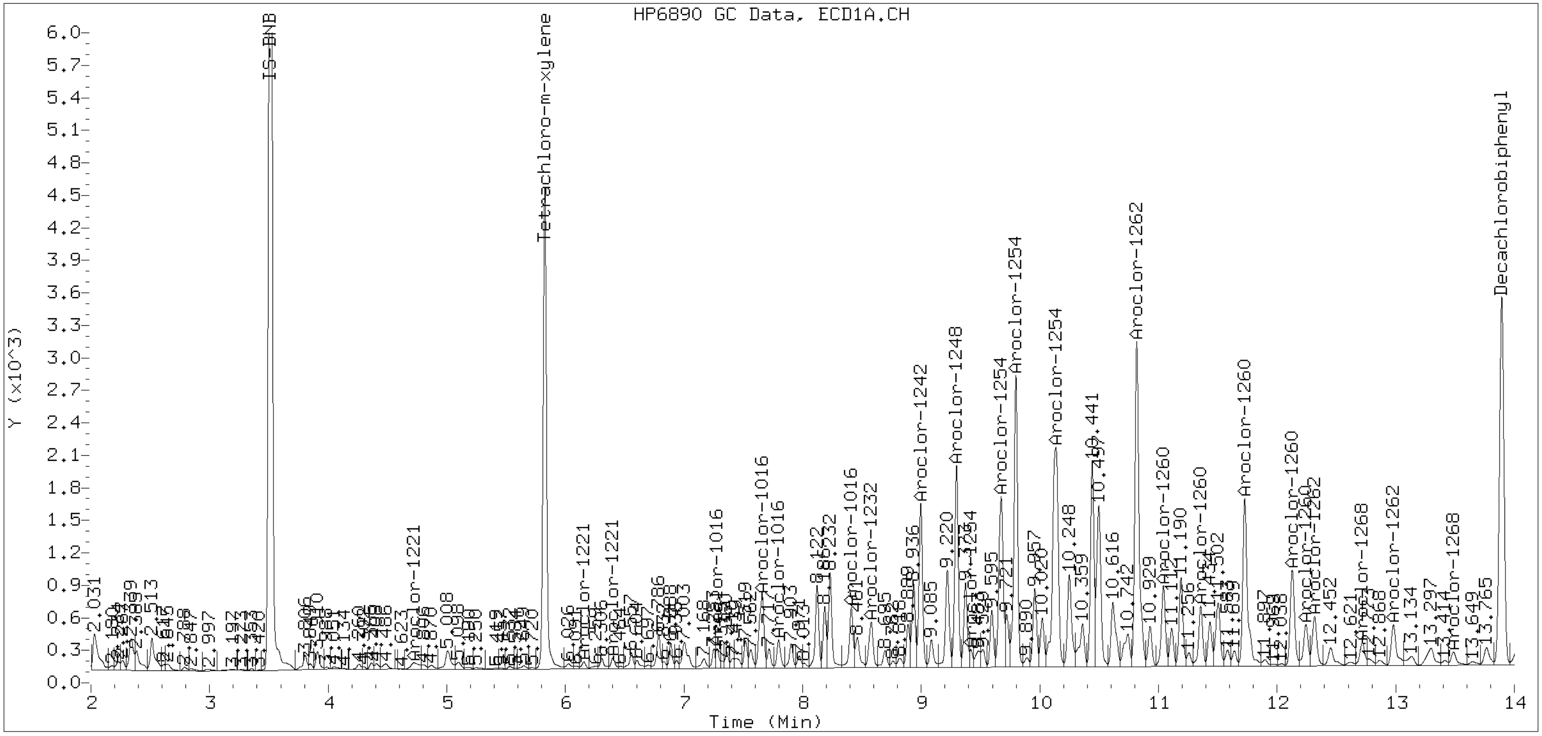
Manual Peak Adjustment, ZB-5

Datafile: ecd7.i/230109.b/01092323ECD7.D   Injection Date: 09-JAN-2023 16:48

Manual Integration (After)



Processed Integration (Before)



Analytical Resources, LLC
Analytical Chemists and Consultants

LDW22-SC800B

Dual Column

ORGANIC ANALYSIS DATA SHEET
EPA 8082A

Laboratory:	Analytical Resources, LLC			SDG:	22L0307
Client:	Anchor QEA, LLC				
Project:	AOC4 UR Phase 3				
Matrix:	Solid	Laboratory ID:	22L0307-53 B	File ID:	01092324ECD7.D
Sampled:	12/12/22 12:14	Prepared:	12/29/22 13:41	Analyzed:	01/09/23 17:09
% Solids:	50.58	Preparation:	EPA 3546 (Microwave)	Initial/Final:	24.78 g Wet / 2.5 mL
Batch:	BKL0583	Sequence:	SLA0129	Calibration:	FL00010
Instrument:	ECD7	Column 1:	ZB5	Column 2:	ZB35

CAS NO.	COMPOUND	Col #	DILUTION	CONC. (ug/kg dry)	MDL	MRL	Q
12674-11-2	Aroclor 1016	1	1	4.0	1.6	4.0	U
11104-28-2	Aroclor 1221	1	1	4.0	1.6	4.0	U
11141-16-5	Aroclor 1232	1	1	4.0	1.6	4.0	U
53469-21-9	Aroclor 1242	1	1	4.0	1.6	4.0	U
12672-29-6	Aroclor 1248	1	1	56.0	1.6	4.0	
11097-69-1	Aroclor 1254	2	1	94.7	1.6	4.0	P1
11096-82-5	Aroclor 1260	1	1	57.3	0.6	4.0	

SURROGATES	Col #	ADDED (ug/kg dry)	CONC (ug/kg dry)	% REC	QC LIMITS	Q
Decachlorobiphenyl	*1*	*7.9785*	*6.74*	*84.5*	*40 - 126*	
Tetrachlorometaxylene	*1*	*7.9785*	*4.65*	*58.3*	*44 - 120*	
Decachlorobiphenyl	*2*	*7.9785*	*6.23*	*78.1*	*40 - 126*	
Tetrachlorometaxylene	*2*	*7.9785*	*5.08*	*63.7*	*44 - 120*	

```
                              Analytical Resources Inc.
                         Dual Column 608/8082 PCB Quantitation Report

 Data file 1: /230109.b/01092324ECD7.D                    ARI ID: 22L0307-53
 Data file 2: /230109.b/230109.b/01092324ECD7.D           Client ID:
 Method: \\target\share\chem4\ecd7.i\230109.b\PCB.m      Injection Date: 09-JAN-2023 17:09
 Compound Sublist: PCB.sub                                Report Date: 01/14/2023 11:52
 Instrument, Inj. Vol.: ecd7.i, 2ul                       Matrix: NONE
 Quant Method: Internal Std                               Dilution Factor:  1.0



                                     SURROGATES

        ZB5 Col          |       ZB35 Col          |   ZB5    ZB35
   RT    Shift Response | RT    Shift  Response  |  on col  on col    RPD   Compound/Flag
 ==========================================================================================

  5.825 -0.011   158740 | 5.702  -0.012   111089|   23.3    25.5      8.8    Tetrachloro-m-xylene
 13.894 -0.014   155235 |14.121  -0.016   164557|   33.8    31.2      7.9    Decachlorobiphenyl


*  Indicates RPD > 40%




                                INTERNAL STANDARD SUMMARY

                                            Column 1
                                     Standard    Sample
                   Standard Cpnd       Area*       Area      %D
               --------------------------------------------------
                 Bromo-Nitrobenzene    447645      480038    7.2
                 Hexabromobiphenyl     798898      501313  -37.2

                                            Column 2
                                     Standard    Sample
                   Standard Cpnd       Area*       Area      %D
               --------------------------------------------------
                 Bromo-Nitrobenzene    249094     317976   27.7
                 Hexabromobiphenyl     362541     371222    2.4


                * Standard Areas taken from Initial Cal Level 3
                  Initial Calibration Date: 03-DEC-2022
               <- Indicates standard response outside Limits (-50 to +100%)
```

```
                             ZB5 Col                               ZB35 Col
 Aroclor   Peak#    RT    Shift    Area    Amount    Peak#   RT     Shift    Area   Amount
 ===================================================================================
 Aroclor-1016 1      ---                     0.0      1     ---                      0.0
 Aroclor-1016 2      ---                     0.0      2     ---                      0.0
 Aroclor-1016 3      ---                     0.0      3     ---                      0.0
 Aroclor-1016 4      ---                     0.0      4     ---                      0.0
           Col1Ave: <3 Quant Peaks                  Col2Ave: <3 Quant Peaks

 Aroclor-1221 1      ---                     0.0      1     ---                      0.0
 Aroclor-1221 2      ---                     0.0      2     ---                      0.0
 Aroclor-1221 3      ---                     0.0      3     ---                      0.0
           Col1Ave: <3 Quant Peaks                  Col2Ave: <3 Quant Peaks

 Aroclor-1232 1      ---                     0.0      1     ---                      0.0
 Aroclor-1232 2      ---                     0.0      2     ---                      0.0
 Aroclor-1232 3      ---                     0.0      3     ---                      0.0
 Aroclor-1232 4      ---                     0.0      4     ---                      0.0
           Col1Ave: <3 Quant Peaks                  Col2Ave: <3 Quant Peaks

 Aroclor-1242 1      ---                     0.0      1     ---                      0.0
 Aroclor-1242 2      ---                     0.0      2     ---                      0.0
 Aroclor-1242 3      ---                     0.0      3     ---                      0.0
 Aroclor-1242 4      ---                     0.0      4     ---                      0.0
           Col1Ave: <3 Quant Peaks                  Col2Ave: <3 Quant Peaks

 Aroclor-1248 1   8.409  -0.018     37768   183.0      1    8.310  -0.016    35587   274.0
 Aroclor-1248 2   8.577  -0.027     27115   102.9      2    8.716  -0.017    26408   193.3
 Aroclor-1248 3   8.996  -0.026    117577   248.0      3    9.147  -0.030    36340   218.7
 Aroclor-1248 4   9.297  -0.014    136768   588.9      4    9.626   0.024    10502    53.8
      Total Col1Ave (4 peaks):   280.7       Total Col2Ave (4 peaks):   184.9   RPD = 41*
      Corrected Ave (3 peaks):   178.0       Corrected Ave (3 peaks):   155.3   RPD = 14

 Aroclor-1254 1   9.297  -0.024    136768   323.6      1    9.447  -0.020    84233   410.9
 Aroclor-1254 2   9.372  -0.030     60304   366.9      2    9.965  -0.022    43195   262.1
 Aroclor-1254 3   9.721   0.027     30095   112.7      3   10.114  -0.025   173262   489.0
 Aroclor-1254 4   9.797  -0.034    223031   428.6      4   10.363  -0.026   206708   563.4
 Aroclor-1254 5  10.248   0.059     56106   157.3      5   10.563  -0.024   114768   648.5
      Total Col1Ave (5 peaks):   277.8       Total Col2Ave (5 peaks):   474.8   RPD = 52*
      Corrected Ave (4 peaks):   240.1       Corrected Ave (4 peaks):   431.3   RPD = 57*

 Aroclor-1260 1  11.042  -0.020     57911   317.4      1   11.652  -0.017    64929   331.4
 Aroclor-1260 2  11.357  -0.020     45482   241.0      2   11.913  -0.020   114539   232.9
 Aroclor-1260 3  11.727  -0.024    135517   273.3      3   12.432  -0.020    42554   325.0
 Aroclor-1260 4  12.128  -0.031     73880   292.5      4   12.496  -0.021    82420   251.5
 Aroclor-1260 5  12.243  -0.018     32307   312.5      NS    ---                      ----
      Total Col1Ave (5 peaks):   287.3       Total Col2Ave (4 peaks):   285.2   RPD = 1
      Corrected Ave (4 peaks):   279.8       Corrected Ave (3 peaks):   269.8   RPD = 4

 Aroclor-1262 1  10.817  -0.031    240468  1434.4      1   11.198  -0.019    43532   154.2
 Aroclor-1262 2  12.243  -0.020     32307   124.0      2   11.652  -0.018    64929   265.6
 Aroclor-1262 3  12.316  -0.020     37449   134.5      3   12.432  -0.020    42554   157.8
 Aroclor-1262 4  12.981  -0.024     39839   178.3      4   12.496  -0.023    82420   195.1
      Total Col1Ave (4 peaks):   467.8       Total Col2Ave (4 peaks):   193.2   RPD = 83*
      Corrected Ave (3 peaks):   145.6       Corrected Ave (3 peaks):   169.1   RPD = 15

 Aroclor-1268 1  12.243  -0.019     32307    46.1      1     ---                      0.0
 Aroclor-1268 2  12.316  -0.019     37449    54.6      2     ---                      0.0
 Aroclor-1268 3  12.719   0.002     23107    41.1      3     ---                      0.0
 Aroclor-1268 4  13.486  -0.019     14134     8.2      4     ---                      0.0
      Total Col1Ave (4 peaks):    37.5              Col2Ave: <3 Quant Peaks
```

```
Total PCB Area Col1 (5.936 - 13.808) =    3070285     Col1 Total PCB = 0.7 ppm*

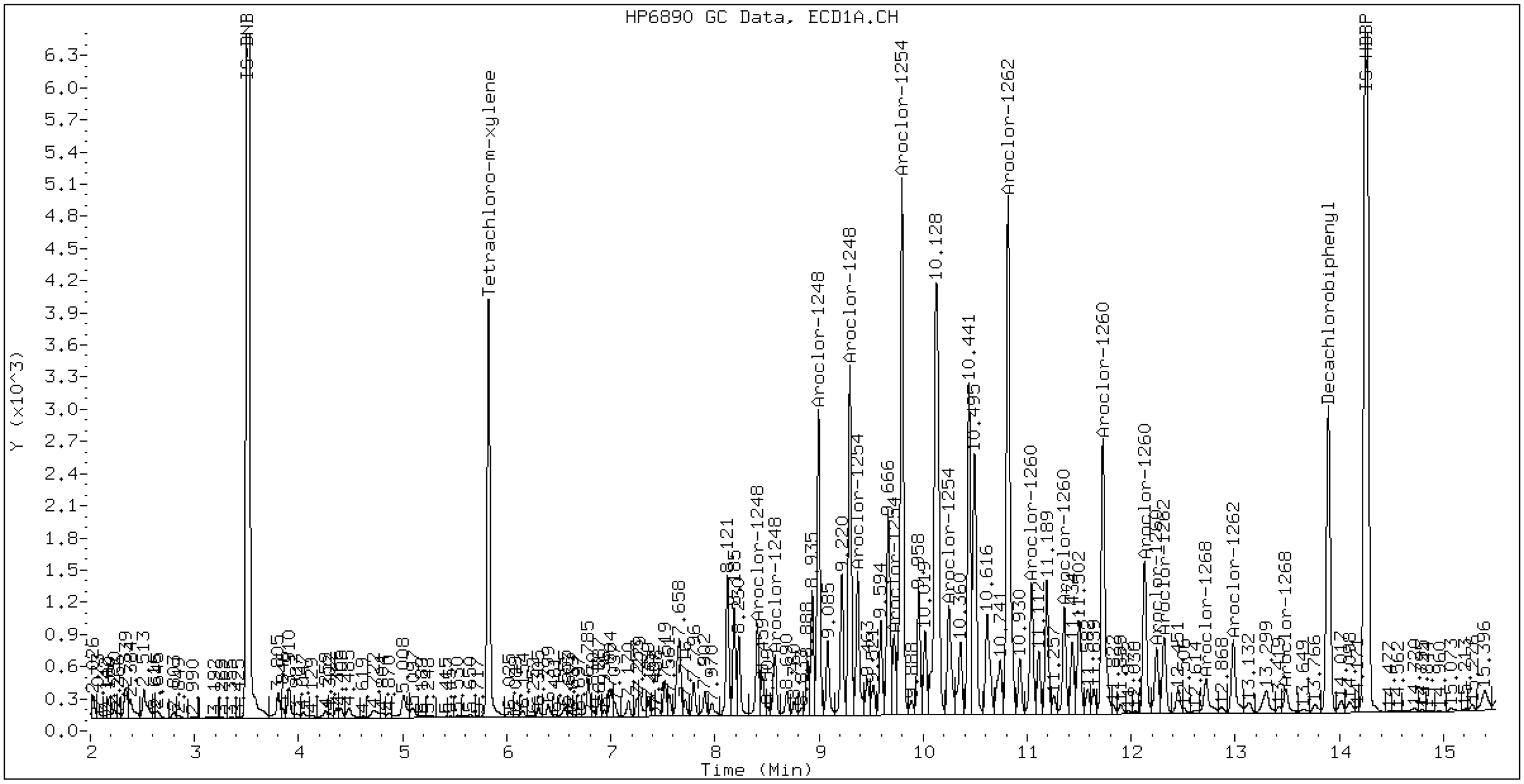
Total PCB Area Col2 (5.813 - 14.037) =    2301603     Col2 Total PCB = 0.8 ppm*
```

* Quantitated against AR1660 0.25ppm in Ical

PCB-Form 10 Mod.

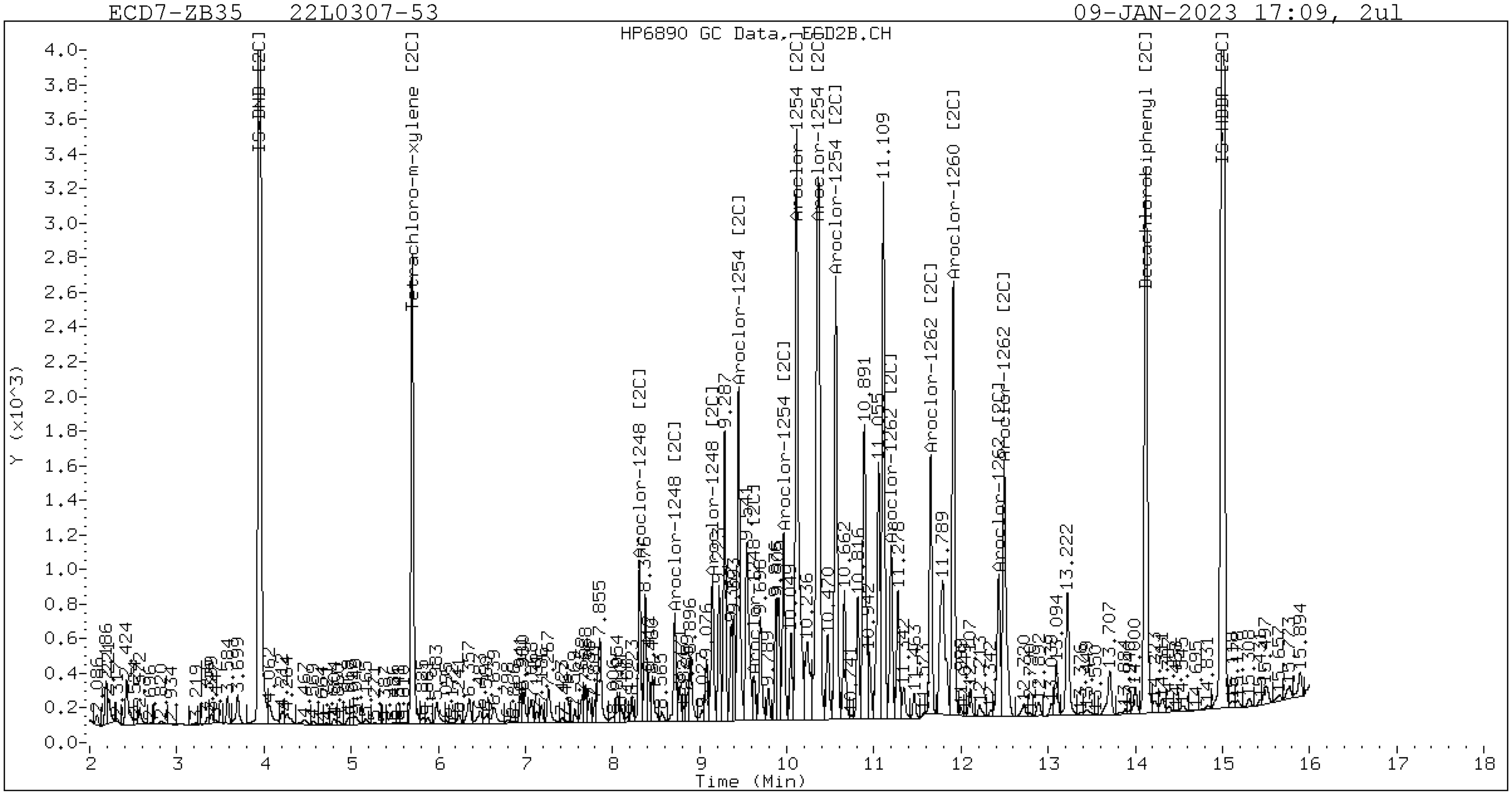
PCB Dual Column Chromatograms

ECD7-ZB5 22L0307-53 09-JAN-2023 17:09, 2ul



ZB-5 Manual Integration: NO

ECD7-ZB35 22L0307-53 09-JAN-2023 17:09, 2ul



ZB-35 Manual Integration: NO

LDW22-SC800C

Dual Column

ORGANIC ANALYSIS DATA SHEET
EPA 8082A

Laboratory:	Analytical Resources, LLC			SDG:	22L0307
Client:	Anchor QEA, LLC				
Project:	AOC4 UR Phase 3				
Matrix:	Solid	Laboratory ID:	22L0307-54 B	File ID:	01092325ECD7.D
Sampled:	12/12/22 12:14	Prepared:	12/29/22 13:41	Analyzed:	01/09/23 17:30
% Solids:	57.48	Preparation:	EPA 3546 (Microwave)	Initial/Final:	21.8 g Wet / 2.5 mL
Batch:	BKL0583	Sequence:	SLA0129	Calibration:	FL00010
Instrument:	ECD7	Column 1:	ZB5	Column 2:	ZB35

CAS NO.	COMPOUND	Col #	DILUTION	CONC. (ug/kg dry)	MDL	MRL	Q
12674-11-2	Aroclor 1016	1	1	4.0	1.6	4.0	U
11104-28-2	Aroclor 1221	1	1	4.0	1.6	4.0	U
11141-16-5	Aroclor 1232	1	1	4.0	1.6	4.0	U
53469-21-9	Aroclor 1242	1	1	4.0	1.6	4.0	U
12672-29-6	Aroclor 1248	1	1	73.6	1.6	4.0	
11097-69-1	Aroclor 1254	2	1	162	1.6	4.0	
11096-82-5	Aroclor 1260	1	1	104	0.6	4.0	

SURROGATES	Col #	ADDED (ug/kg dry)	CONC (ug/kg dry)	% REC	QC LIMITS	Q
Decachlorobiphenyl	*1*	*7.9804*	*6.78*	*85.0*	*40 - 126*	
Tetrachlorometaxylene	*1*	*7.9804*	*4.29*	*53.8*	*44 - 120*	
Decachlorobiphenyl	*2*	*7.9804*	*6.37*	*79.8*	*40 - 126*	
Tetrachlorometaxylene	*2*	*7.9804*	*4.89*	*61.2*	*44 - 120*	

```
                           Analytical Resources Inc.
                      Dual Column 608/8082 PCB Quantitation Report

Data file 1: /230109.b/01092325ECD7.D                  ARI ID: 22L0307-54
Data file 2: /230109.b/230109.b/01092325ECD7.D         Client ID:
Method: \\target\share\chem4\ecd7.i\230109.b\PCB.m      Injection Date: 09-JAN-2023 17:30
Compound Sublist: PCB.sub                              Report Date: 01/14/2023 13:58
Instrument, Inj. Vol.: ecd7.i, 2ul                     Matrix: NONE
Quant Method: Internal Std                             Dilution Factor:  1.0



                                  SURROGATES

       ZB5 Col          |       ZB35 Col         |   ZB5    ZB35
  RT    Shift Response | RT    Shift  Response  |  on col  on col    RPD   Compound/Flag
=========================================================================================

 5.825 -0.011   144854 | 5.701  -0.012   103249|   21.5    24.5     12.9    Tetrachloro-m-xylene
13.895 -0.013   143465 |14.121  -0.016   159487|   34.0    31.9      6.3    Decachlorobiphenyl


*  Indicates RPD > 40%




                             INTERNAL STANDARD SUMMARY

                                         Column 1
                                  Standard    Sample
                 Standard Cpnd       Area*       Area      %D
               -------------------------------------------------
                 Bromo-Nitrobenzene    447645      475250    6.2
                 Hexabromobiphenyl     798898      460382  -42.4

                                         Column 2
                                  Standard    Sample
                 Standard Cpnd       Area*       Area      %D
               -------------------------------------------------
                 Bromo-Nitrobenzene    249094     307616    23.5
                 Hexabromobiphenyl     362541     351805    -3.0


                * Standard Areas taken from Initial Cal Level 3
                  Initial Calibration Date: 03-DEC-2022
               <- Indicates standard response outside Limits (-50 to +100%)
```

```
//target/share/chem4/ecd7.i/230109.b/01092325ECD7.D      22L0307-54                         page 2
                             ZB5 Col                           ZB35 Col
 Aroclor   Peak#    RT    Shift    Area    Amount    Peak#   RT     Shift    Area   Amount
 ========================================================================================
 Aroclor-1016 1      ---                     0.0      1     ---                      0.0
 Aroclor-1016 2      ---                     0.0      2     ---                      0.0
 Aroclor-1016 3      ---                     0.0      3     ---                      0.0
 Aroclor-1016 4      ---                     0.0      4     ---                      0.0
             Col1Ave: <3 Quant Peaks                   Col2Ave: <3 Quant Peaks

 Aroclor-1221 1      ---                     0.0      1     ---                      0.0
 Aroclor-1221 2      ---                     0.0      2     ---                      0.0
 Aroclor-1221 3      ---                     0.0      3     ---                      0.0
             Col1Ave: <3 Quant Peaks                   Col2Ave: <3 Quant Peaks

 Aroclor-1232 1      ---                     0.0      1     ---                      0.0
 Aroclor-1232 2      ---                     0.0      2     ---                      0.0
 Aroclor-1232 3      ---                     0.0      3     ---                      0.0
 Aroclor-1232 4      ---                     0.0      4     ---                      0.0
             Col1Ave: <3 Quant Peaks                   Col2Ave: <3 Quant Peaks

 Aroclor-1242 1      ---                     0.0      1     ---                      0.0
 Aroclor-1242 2      ---                     0.0      2     ---                      0.0
 Aroclor-1242 3      ---                     0.0      3     ---                      0.0
 Aroclor-1242 4      ---                     0.0      4     ---                      0.0
             Col1Ave: <3 Quant Peaks                   Col2Ave: <3 Quant Peaks

 Aroclor-1248 1   8.409  -0.019     72579   355.2      1    8.310  -0.016    68953   548.7
 Aroclor-1248 2   8.576  -0.028     58843   225.5      2    8.716  -0.017    54540   412.6
 Aroclor-1248 3   8.995  -0.028    210923   449.4      3    9.147  -0.030    73421   456.7
 Aroclor-1248 4   9.297  -0.014    246124  1070.4      4    9.626   0.023    10946    58.0
       Total Col1Ave (4 peaks):   525.1       Total Col2Ave (4 peaks):   369.0   RPD = 35
       Corrected Ave (3 peaks):   343.4       Corrected Ave (3 peaks):   309.1   RPD = 11

 Aroclor-1254 1   9.297  -0.024    246124   588.2      1    9.447  -0.020   149484   753.7
 Aroclor-1254 2   9.372  -0.030    113667   698.5      2    9.965  -0.021    75558   473.8
 Aroclor-1254 3   9.721   0.027     51910   196.4      3   10.113  -0.026   277957   811.0
 Aroclor-1254 4   9.797  -0.034    347246   674.1      4   10.352  -0.037   315595   889.1
 Aroclor-1254 5  10.135  -0.054    387021  1096.0      5   10.562  -0.024   191796  1120.3
       Total Col1Ave (5 peaks):   650.6       Total Col2Ave (5 peaks):   809.6   RPD = 22
       Corrected Ave (4 peaks):   539.3       Corrected Ave (4 peaks):   731.9   RPD = 30

 Aroclor-1260 1  11.042  -0.020     93074   555.4      1   11.652  -0.018   115982   624.6
 Aroclor-1260 2  11.358  -0.019     78128   450.8      2   11.912  -0.020   204811   439.5
 Aroclor-1260 3  11.728  -0.024    222716   489.1      3   12.431  -0.020    68418   551.4
 Aroclor-1260 4  12.128  -0.030    124318   536.0      4   12.495  -0.022   143601   462.3
 Aroclor-1260 5  12.243  -0.019     54632   575.4      NS    ---                     ----
       Total Col1Ave (5 peaks):   521.3       Total Col2Ave (4 peaks):   519.4   RPD = 0
       Corrected Ave (4 peaks):   507.8       Corrected Ave (3 peaks):   484.4   RPD = 5

 Aroclor-1262 1      ---                     0.0      1     ---                      0.0
 Aroclor-1262 2      ---                     0.0      2     ---                      0.0
 Aroclor-1262 3      ---                     0.0      3     ---                      0.0
 Aroclor-1262 4      ---                     0.0      4     ---                      0.0
             Col1Ave: <3 Quant Peaks                   Col2Ave: <3 Quant Peaks

 Aroclor-1268 1      ---                     0.0      1     ---                      0.0
 Aroclor-1268 2      ---                     0.0      2     ---                      0.0
 Aroclor-1268 3      ---                     0.0      3     ---                      0.0
 Aroclor-1268 4      ---                     0.0      4     ---                      0.0
             Col1Ave: <3 Quant Peaks                   Col2Ave: <3 Quant Peaks
```

Total PCB Area Col1 (5.936 - 13.808) = 5187223 Col1 Total PCB = 1.1 ppm*

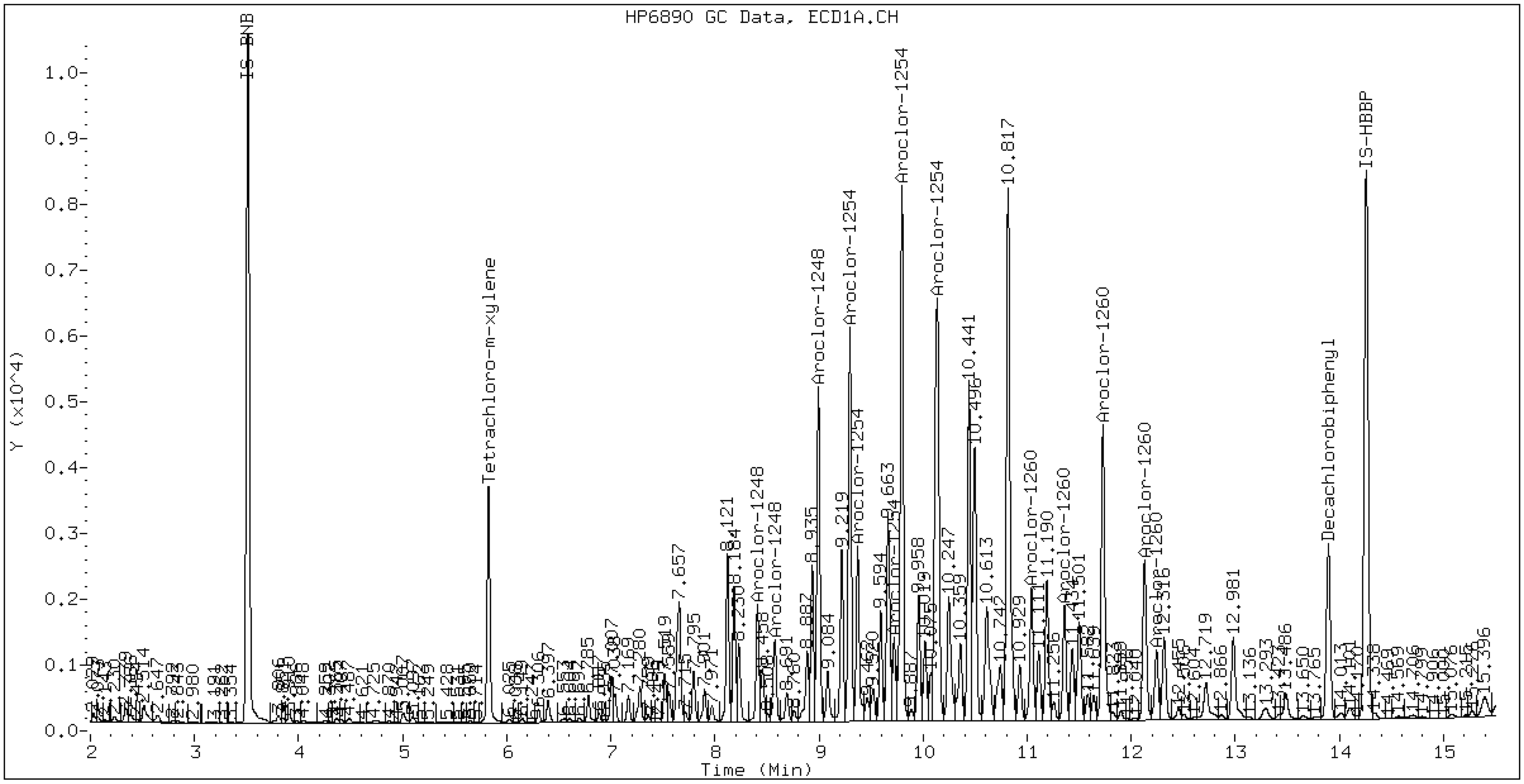
Total PCB Area Col2 (5.813 - 14.037) = 3927228 Col2 Total PCB = 1.4 ppm*

* Quantitated against AR1660 0.25ppm in Ical

PCB-Form 10 Mod.

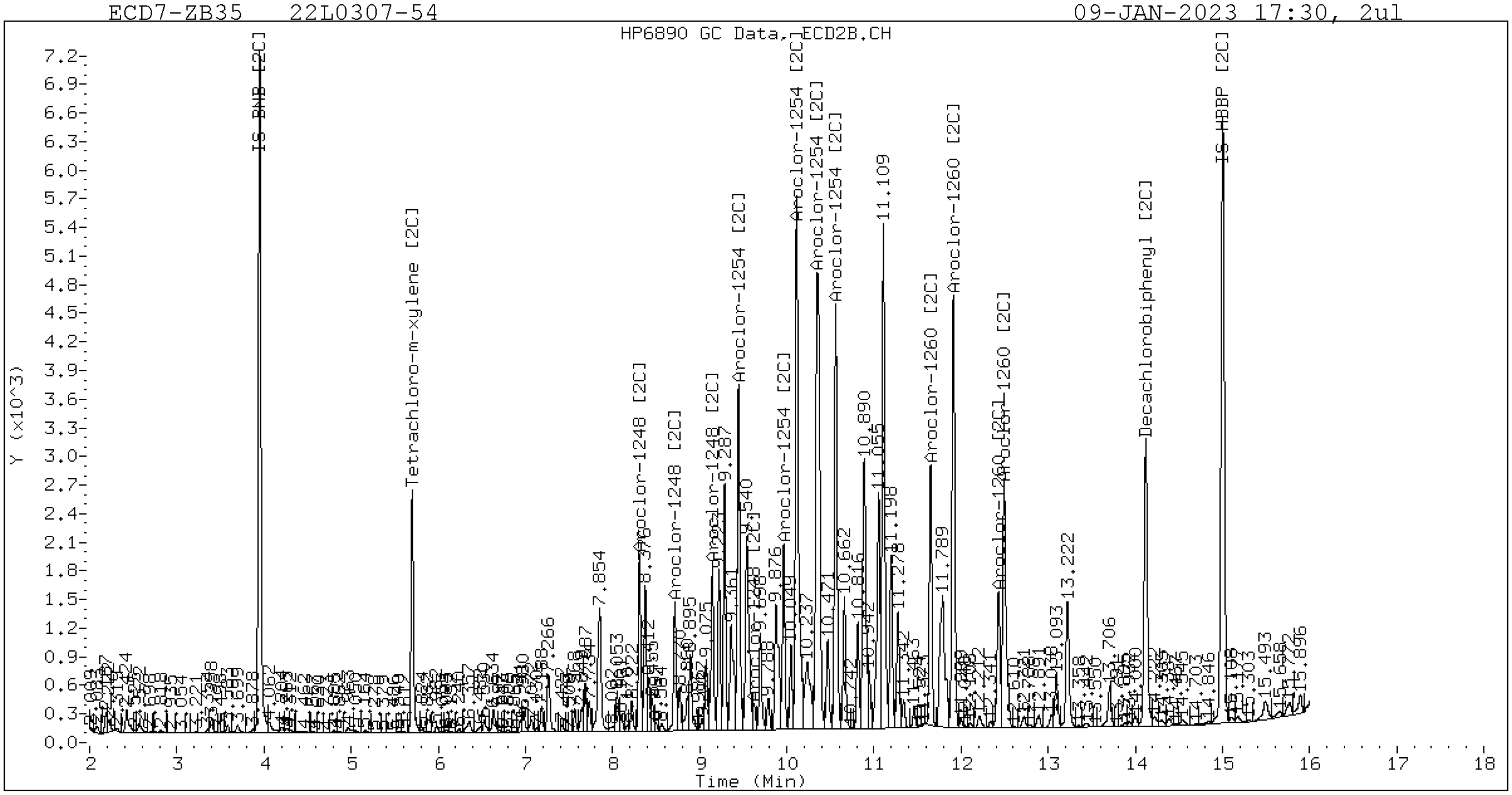
PCB Dual Column Chromatograms

ECD7-ZB5 22L0307-54 09-JAN-2023 17:30, 2ul



ZB-5 Manual Integration: NO

ECD7-ZB35 22L0307-54 09-JAN-2023 17:30, 2ul



ZB-35 Manual Integration: NO

LDW22-SC800D

Dual Column

ORGANIC ANALYSIS DATA SHEET
EPA 8082A

Laboratory:	Analytical Resources, LLC			SDG:	22L0307
Client:	Anchor QEA, LLC				
Project:	AOC4 UR Phase 3				
Matrix:	Solid	Laboratory ID:	22L0307-55 B	File ID:	01092326ECD7.D
Sampled:	12/12/22 12:14	Prepared:	12/29/22 13:41	Analyzed:	01/09/23 17:51
% Solids:	60.14	Preparation:	EPA 3546 (Microwave)	Initial/Final:	20.79 g Wet / 2.5 mL
Batch:	BKL0583	Sequence:	SLA0129	Calibration:	FL00010
Instrument:	ECD7	Column 1:	ZB5	Column 2:	ZB35

CAS NO.	COMPOUND	Col #	DILUTION	CONC. (ug/kg dry)	MDL	MRL	Q
12674-11-2	Aroclor 1016	1	1	4.0	1.6	4.0	U
11104-28-2	Aroclor 1221	1	1	4.0	1.6	4.0	U
11141-16-5	Aroclor 1232	1	1	4.0	1.6	4.0	U
53469-21-9	Aroclor 1242	1	1	4.0	1.6	4.0	U
12672-29-6	Aroclor 1248	2	1	126	1.6	4.0	
11097-69-1	Aroclor 1254	2	1	188	1.6	4.0	
11096-82-5	Aroclor 1260	2	1	97.3	0.6	4.0	

SURROGATES	Col #	ADDED (ug/kg dry)	CONC (ug/kg dry)	% REC	QC LIMITS	Q
Decachlorobiphenyl	*1*	*7.9980*	*7.11*	*88.9*	*40 - 126*	
Tetrachlorometaxylene	*1*	*7.9980*	*4.51*	*56.4*	*44 - 120*	
Decachlorobiphenyl	*2*	*7.9980*	*6.71*	*83.8*	*40 - 126*	
Tetrachlorometaxylene	*2*	*7.9980*	*5.14*	*64.3*	*44 - 120*	

```
                              Analytical Resources Inc.
                         Dual Column 608/8082 PCB Quantitation Report

Data file 1: /230109.b/01092326ECD7.D                      ARI ID: 22L0307-55
Data file 2: /230109.b/230109.b/01092326ECD7.D             Client ID:
Method: \\target\share\chem4\ecd7.i\230109.b\PCB.m         Injection Date: 09-JAN-2023 17:51
Compound Sublist: PCB.sub                                  Report Date: 01/14/2023 11:52
Instrument, Inj. Vol.: ecd7.i, 2ul                         Matrix: NONE
Quant Method: Internal Std                                 Dilution Factor:  1.0



                                 SURROGATES

       ZB5 Col          |       ZB35 Col         |   ZB5    ZB35
  RT    Shift Response | RT    Shift  Response  |  on col  on col    RPD   Compound/Flag
=========================================================================================

 5.825 -0.011   148093 | 5.701  -0.013   105971|   22.6    25.7     13.1    Tetrachloro-m-xylene
13.895 -0.012   147033 |14.121  -0.016   162148|   35.6    33.5      5.8    Decachlorobiphenyl


*  Indicates RPD > 40%




                            INTERNAL STANDARD SUMMARY

                                        Column 1
                                 Standard    Sample
                  Standard Cpnd       Area*       Area      %D
               --------------------------------------------------
                 Bromo-Nitrobenzene    447645      462940    3.4
                 Hexabromobiphenyl     798898      451070  -43.5

                                        Column 2
                                 Standard    Sample
                  Standard Cpnd       Area*       Area      %D
               --------------------------------------------------
                 Bromo-Nitrobenzene    249094     300464    20.6
                 Hexabromobiphenyl     362541     340518    -6.1


                * Standard Areas taken from Initial Cal Level 3
                  Initial Calibration Date: 03-DEC-2022
               <- Indicates standard response outside Limits (-50 to +100%)
```

```
                             ZB5 Col                                ZB35 Col
 Aroclor   Peak#    RT    Shift    Area    Amount    Peak#   RT     Shift    Area   Amount
 ===========================================================================================
 Aroclor-1016 1   7.280  -0.015     21720   140.7      1     ---                      0.0
 Aroclor-1016 2   7.654  -0.030     89387   179.3      2     ---                      0.0
 Aroclor-1016 3   7.797  -0.020     28982   128.3      3     ---                      0.0
 Aroclor-1016 4   8.409  -0.020     91990   638.7      4     ---                      0.0
       Total Col1Ave (4 peaks):   271.7                Col2Ave: <3 Quant Peaks

 Aroclor-1221 1   4.724  -0.036      1008    26.3      1     ---                      0.0
 Aroclor-1221 2   6.149  -0.010      1860    27.6      2     ---                      0.0
 Aroclor-1221 3   6.398  -0.011      9016    58.0      3     ---                      0.0
       Total Col1Ave (3 peaks):    37.3                Col2Ave: <3 Quant Peaks

 Aroclor-1232 1   4.724  -0.037      1008    43.8      1     ---                      0.0
 Aroclor-1232 2   6.149  -0.011      1860    38.2      2     ---                      0.0
 Aroclor-1232 3   7.654  -0.029     89387   409.1      3     ---                      0.0
 Aroclor-1232 4   8.577  -0.029     65414   705.7      4     ---                      0.0
       Total Col1Ave (4 peaks):   299.2                Col2Ave: <3 Quant Peaks

 Aroclor-1242 1   7.280  -0.015     21720   165.5      1     ---                      0.0
 Aroclor-1242 2   7.654  -0.031     89387   214.5      2     ---                      0.0
 Aroclor-1242 3   8.409  -0.021     91990   767.4      3     ---                      0.0
 Aroclor-1242 4   8.995  -0.036    234591   942.5      4     ---                      0.0
       Total Col1Ave (4 peaks):   522.5                Col2Ave: <3 Quant Peaks

 Aroclor-1248 1   8.409  -0.018     91990   462.2      1    8.311  -0.016   105697   861.1
 Aroclor-1248 2   8.577  -0.027     65414   257.4      2    8.715  -0.017    72581   562.2
 Aroclor-1248 3   8.995  -0.027    234591   513.1      3    9.148  -0.030    72767   463.4
 Aroclor-1248 4   9.297  -0.014    277305  1238.1      4    9.626   0.024    11982    65.0
       Total Col1Ave (4 peaks):   617.7       Total Col2Ave (4 peaks):   487.9   RPD = 23
       Corrected Ave (3 peaks):   410.9       Corrected Ave (3 peaks):   363.5   RPD = 12

 Aroclor-1254 1   9.297  -0.024    277305   680.3      1    9.448  -0.019   167852   866.5
 Aroclor-1254 2   9.372  -0.030    111934   706.1      2    9.965  -0.021    98550   632.7
 Aroclor-1254 3   9.297  -0.397    277305  1077.1      3   10.114  -0.026   324452   969.1
 Aroclor-1254 4   9.797  -0.034    409306   815.6      4   10.351  -0.038   354602  1022.8
 Aroclor-1254 5  10.137  -0.052    427883  1243.9      5   10.563  -0.024   200320  1197.9
       Total Col1Ave (5 peaks):   904.6       Total Col2Ave (5 peaks):   937.8   RPD = 4
       Corrected Ave (4 peaks):   819.8       Corrected Ave (4 peaks):   872.8   RPD = 6

 Aroclor-1260 1  11.043  -0.019     82131   500.2      1   11.652  -0.017   122010   678.8
 Aroclor-1260 2  11.359  -0.019     72100   424.6      2   11.913  -0.020   180979   401.3
 Aroclor-1260 3  11.728  -0.024    191841   430.0      3   12.433  -0.018    54958   457.6
 Aroclor-1260 4  12.129  -0.030    113768   500.7      4   12.495  -0.021   123221   409.8
 Aroclor-1260 5  12.243  -0.019     44074   473.8      NS    ---                     ----
       Total Col1Ave (5 peaks):   465.8       Total Col2Ave (4 peaks):   486.9   RPD = 4
       Corrected Ave (4 peaks):   457.1       Corrected Ave (3 peaks):   422.9   RPD = 8

 Aroclor-1262 1      ---                     0.0      1     ---                      0.0
 Aroclor-1262 2      ---                     0.0      2     ---                      0.0
 Aroclor-1262 3      ---                     0.0      3     ---                      0.0
 Aroclor-1262 4      ---                     0.0      4     ---                      0.0
             Col1Ave: <3 Quant Peaks                   Col2Ave: <3 Quant Peaks

 Aroclor-1268 1      ---                     0.0      1     ---                      0.0
 Aroclor-1268 2      ---                     0.0      2     ---                      0.0
 Aroclor-1268 3      ---                     0.0      3     ---                      0.0
 Aroclor-1268 4      ---                     0.0      4     ---                      0.0
             Col1Ave: <3 Quant Peaks                   Col2Ave: <3 Quant Peaks
```

Total PCB Area Col1 (5.936 - 13.808) = 5628932 Col1 Total PCB = 1.3 ppm*

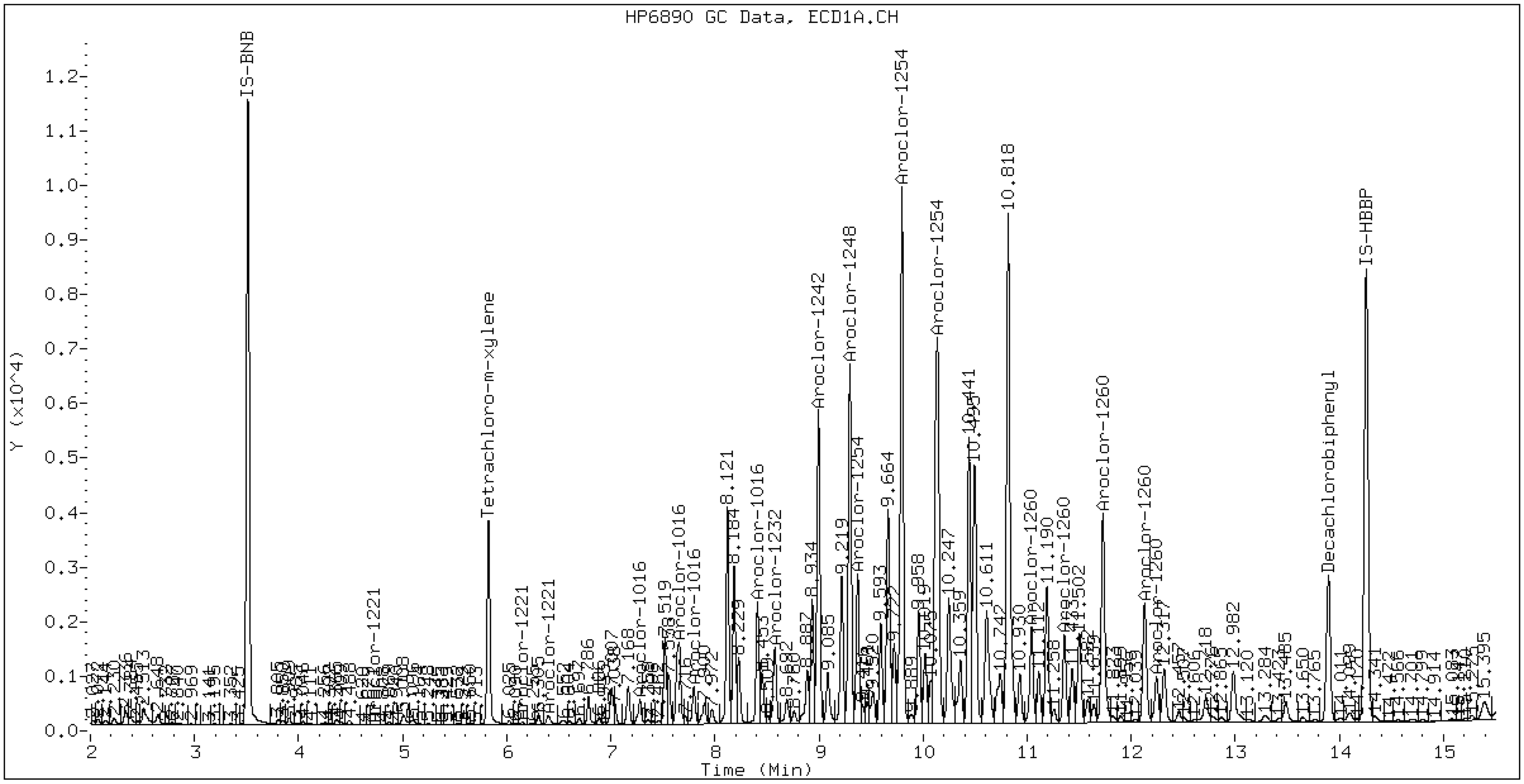
Total PCB Area Col2 (5.813 - 14.037) = 4252831 Col2 Total PCB = 1.5 ppm*

* Quantitated against AR1660 0.25ppm in Ical

PCB-Form 10 Mod.

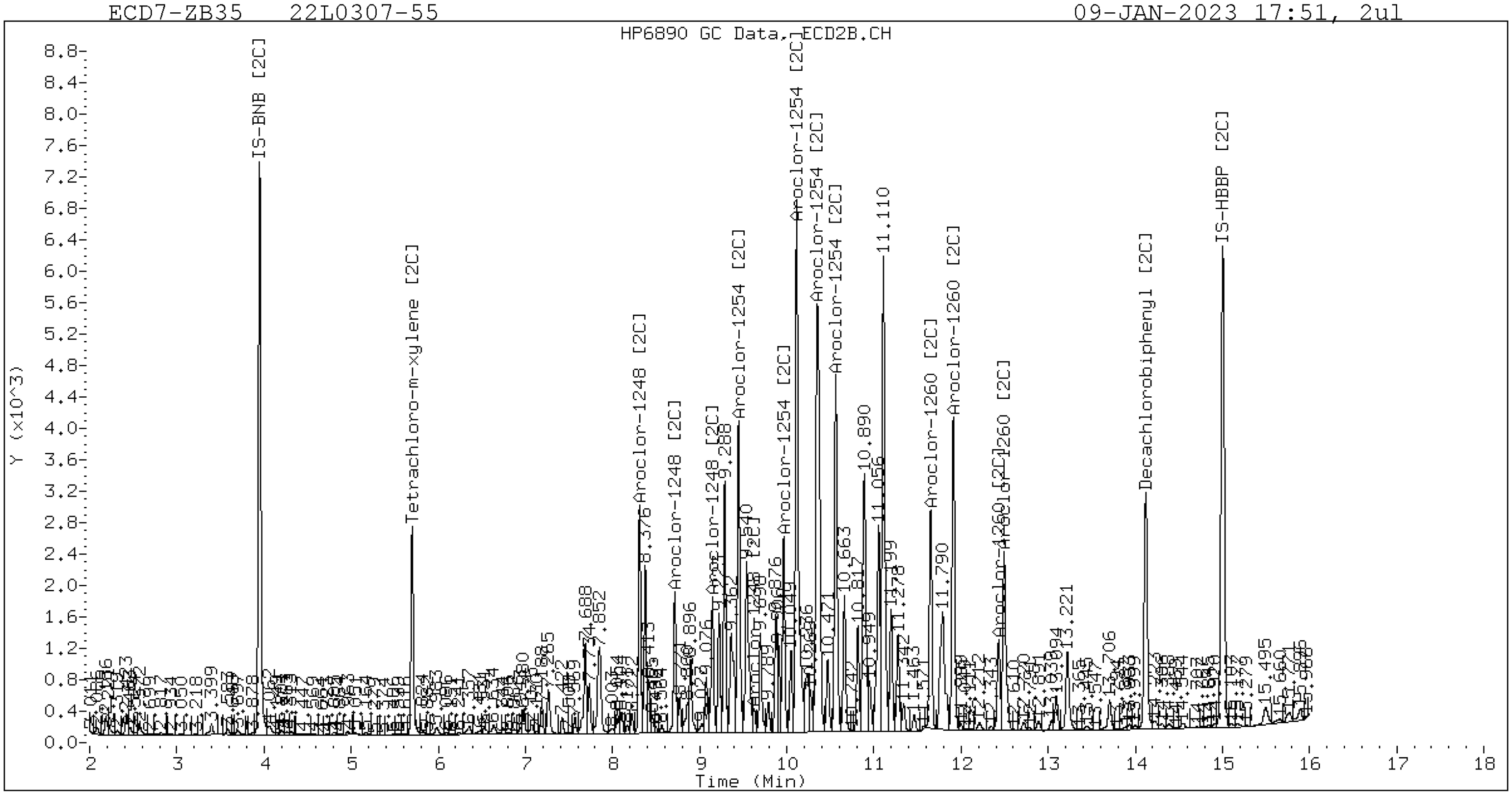
PCB Dual Column Chromatograms

ECD7-ZB5 22L0307-55 09-JAN-2023 17:51, 2ul



ZB-5 Manual Integration: YES

ECD7-ZB35 22L0307-55 09-JAN-2023 17:51, 2ul

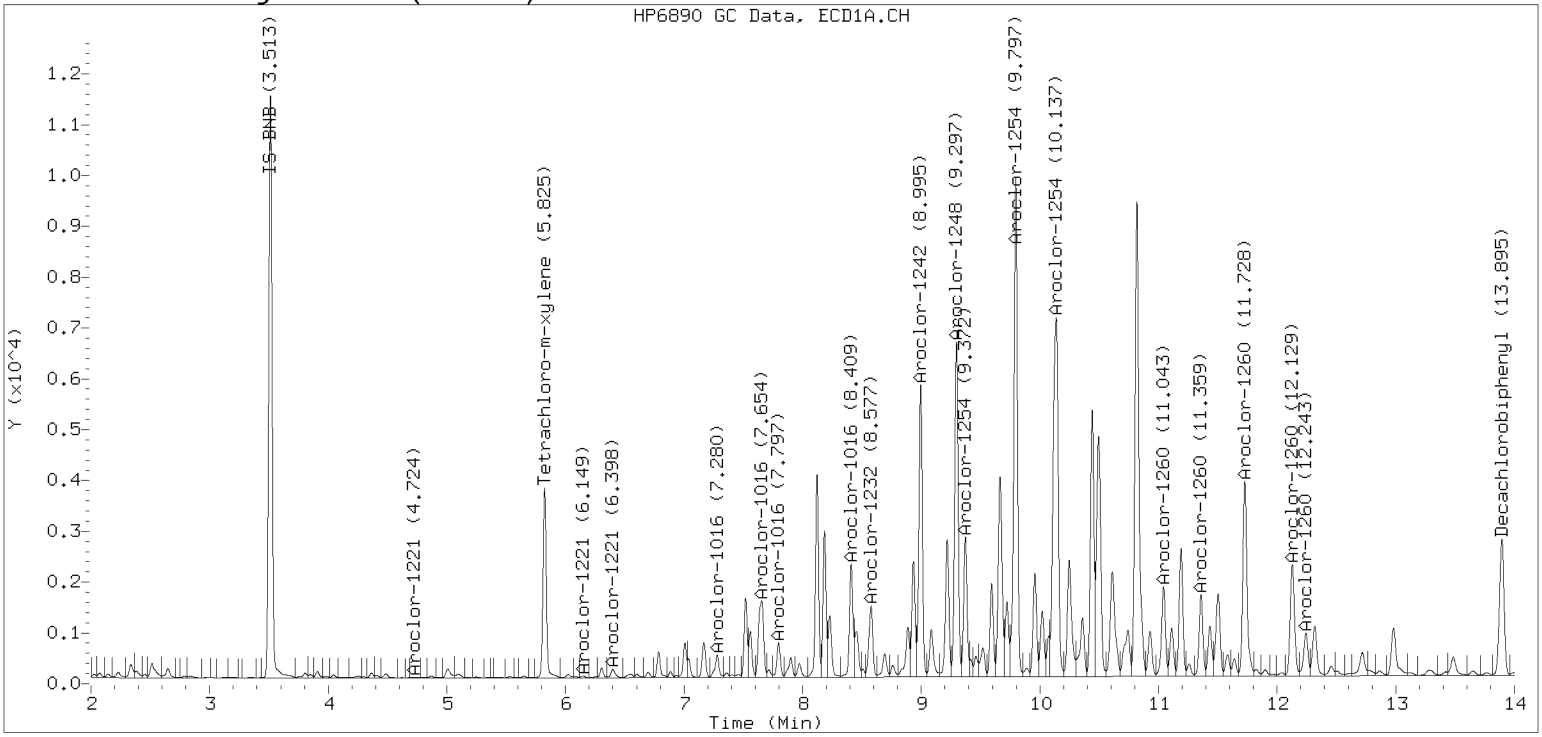


ZB-35 Manual Integration: NO

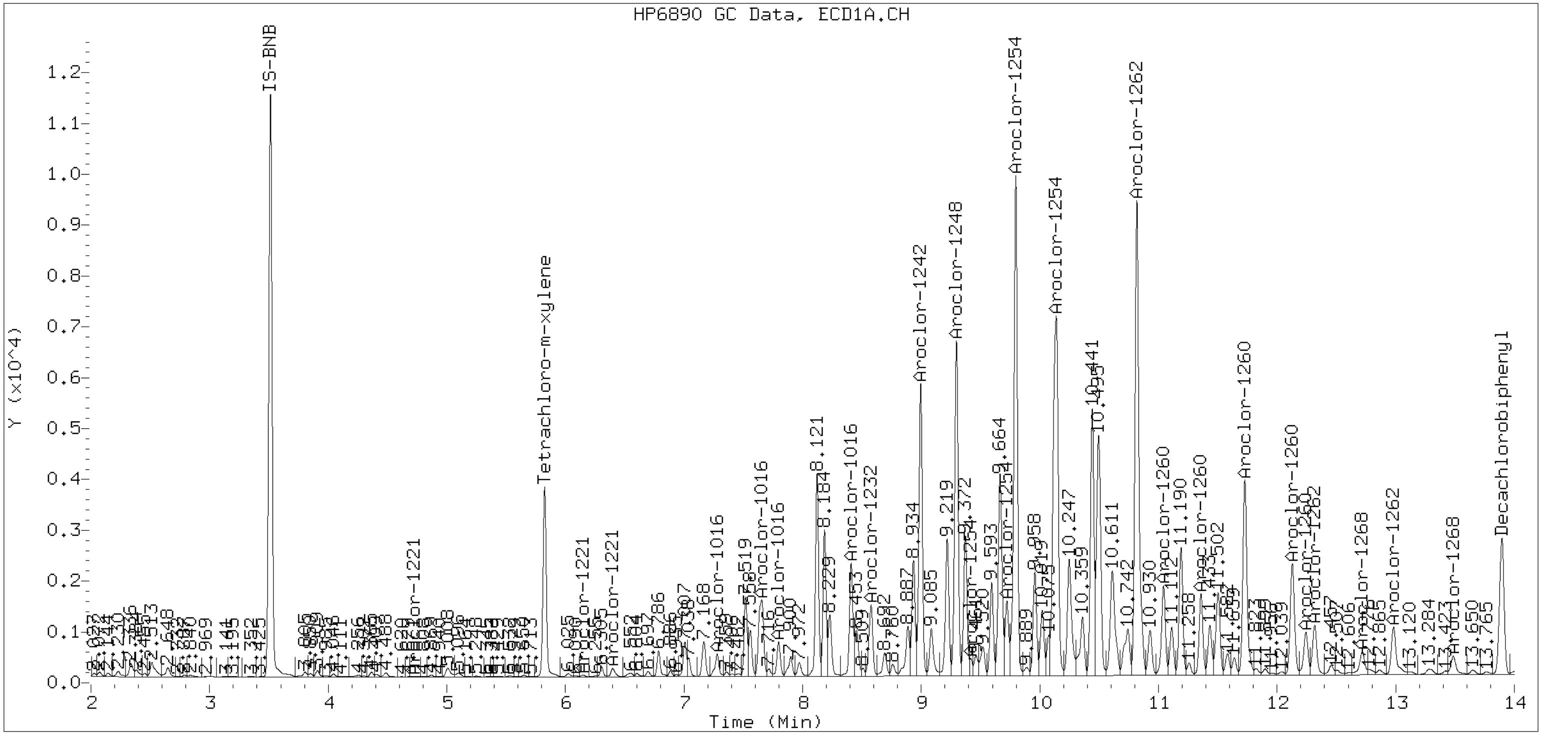
Manual Peak Adjustment, ZB-5

Datafile: ecd7.i/230109.b/01092326ECD7.D   Injection Date: 09-JAN-2023 17:51

Manual Integration (After)



Processed Integration (Before)



LDW22-SC800E

Dual Column

ORGANIC ANALYSIS DATA SHEET
EPA 8082A

Laboratory:	Analytical Resources, LLC			SDG:	22L0307
Client:	Anchor QEA, LLC				
Project:	AOC4 UR Phase 3				
Matrix:	Solid	Laboratory ID:	22L0307-56 B	File ID:	01092327ECD7.D
Sampled:	12/12/22 12:14	Prepared:	12/29/22 13:41	Analyzed:	01/09/23 18:12
% Solids:	62.97	Preparation:	EPA 3546 (Microwave)	Initial/Final:	19.85 g Wet / 2.5 mL
Batch:	BKL0583	Sequence:	SLA0129	Calibration:	FL00010
Instrument:	ECD7	Column 1:	ZB5	Column 2:	ZB35

CAS NO.	COMPOUND	Col #	DILUTION	CONC. (ug/kg dry)	MDL	MRL	Q
12674-11-2	Aroclor 1016	1	1	4.0	1.6	4.0	U
11104-28-2	Aroclor 1221	1	1	4.0	1.6	4.0	U
11141-16-5	Aroclor 1232	1	1	4.0	1.6	4.0	U
53469-21-9	Aroclor 1242	1	1	4.0	1.6	4.0	U
12672-29-6	Aroclor 1248	1	1	64.1	1.6	4.0	
11097-69-1	Aroclor 1254	2	1	139	1.6	4.0	P1
11096-82-5	Aroclor 1260	2	1	168	0.6	4.0	

SURROGATES	Col #	ADDED (ug/kg dry)	CONC (ug/kg dry)	% REC	QC LIMITS	Q
Decachlorobiphenyl	*1*	*8.0003*	*7.96*	*99.4*	*40 - 126*	
Tetrachlorometaxylene	*1*	*8.0003*	*4.51*	*56.4*	*44 - 120*	
Decachlorobiphenyl	*2*	*8.0003*	*7.10*	*88.8*	*40 - 126*	
Tetrachlorometaxylene	*2*	*8.0003*	*5.13*	*64.2*	*44 - 120*	

```
                              Analytical Resources Inc.
                         Dual Column 608/8082 PCB Quantitation Report

 Data file 1: /230109.b/01092327ECD7.D                  ARI ID: 22L0307-56
 Data file 2: /230109.b/230109.b/01092327ECD7.D         Client ID:
 Method: \\target\share\chem4\ecd7.i\230109.b\PCB.m     Injection Date: 09-JAN-2023 18:12
 Compound Sublist: PCB.sub                              Report Date: 01/14/2023 11:52
 Instrument, Inj. Vol.: ecd7.i, 2ul                     Matrix: NONE
 Quant Method: Internal Std                             Dilution Factor:  1.0



                                 SURROGATES

        ZB5 Col          |       ZB35 Col         |   ZB5    ZB35
   RT    Shift Response | RT    Shift  Response  |  on col  on col    RPD   Compound/Flag
 ==========================================================================================

  5.826 -0.010   143421 | 5.702  -0.011   103355|   22.5    25.7     12.9    Tetrachloro-m-xylene
 13.895 -0.013   148867 |14.122  -0.015   164582|   39.8    35.5     11.4    Decachlorobiphenyl


*  Indicates RPD > 40%




                            INTERNAL STANDARD SUMMARY

                                        Column 1
                                 Standard    Sample
                  Standard Cpnd    Area*       Area      %D
             --------------------------------------------------
               Bromo-Nitrobenzene    447645      448891    0.3
               Hexabromobiphenyl     798898      408254  -48.9

                                        Column 2
                                 Standard    Sample
                  Standard Cpnd    Area*       Area      %D
             --------------------------------------------------
               Bromo-Nitrobenzene    249094     293763    17.9
               Hexabromobiphenyl     362541     326491    -9.9


              * Standard Areas taken from Initial Cal Level 3
                Initial Calibration Date: 03-DEC-2022
             <- Indicates standard response outside Limits (-50 to +100%)
```

```
//target/share/chem4/ecd7.i/230109.b/01092327ECD7.D      22L0307-56                       page 2
                           ZB5 Col                                ZB35 Col
 Aroclor   Peak#    RT    Shift    Area    Amount    Peak#   RT     Shift    Area   Amount
 ==========================================================================================
 Aroclor-1016 1      ---                     0.0      1     ---                     0.0
 Aroclor-1016 2      ---                     0.0      2     ---                     0.0
 Aroclor-1016 3      ---                     0.0      3     ---                     0.0
 Aroclor-1016 4      ---                     0.0      4     ---                     0.0
            Col1Ave: <3 Quant Peaks                   Col2Ave: <3 Quant Peaks

 Aroclor-1221 1      ---                     0.0      1     ---                     0.0
 Aroclor-1221 2      ---                     0.0      2     ---                     0.0
 Aroclor-1221 3      ---                     0.0      3     ---                     0.0
            Col1Ave: <3 Quant Peaks                   Col2Ave: <3 Quant Peaks

 Aroclor-1232 1      ---                     0.0      1     ---                     0.0
 Aroclor-1232 2      ---                     0.0      2     ---                     0.0
 Aroclor-1232 3      ---                     0.0      3     ---                     0.0
 Aroclor-1232 4      ---                     0.0      4     ---                     0.0
            Col1Ave: <3 Quant Peaks                   Col2Ave: <3 Quant Peaks

 Aroclor-1242 1      ---                     0.0      1     ---                     0.0
 Aroclor-1242 2      ---                     0.0      2     ---                     0.0
 Aroclor-1242 3      ---                     0.0      3     ---                     0.0
 Aroclor-1242 4      ---                     0.0      4     ---                     0.0
            Col1Ave: <3 Quant Peaks                   Col2Ave: <3 Quant Peaks

 Aroclor-1248 1   8.409  -0.019     47471   246.0      1    8.310  -0.016    57140   476.1
 Aroclor-1248 2   8.577  -0.027     16893    68.6      2    8.715  -0.018    29892   236.8
 Aroclor-1248 3   8.995  -0.027    120811   272.5      3    9.147  -0.030    28817   187.7
 Aroclor-1248 4   9.296  -0.015    150860   694.6      4    9.625   0.023     9069    50.3
      Total Col1Ave (4 peaks):   320.4       Total Col2Ave (4 peaks):   237.7   RPD = 30
      Corrected Ave (3 peaks):   195.7       Corrected Ave (3 peaks):   158.3   RPD = 21

 Aroclor-1254 1   9.296  -0.025    150860   381.7      1    9.447  -0.020   100245   529.3
 Aroclor-1254 2   9.371  -0.031     67099   436.5      2    9.964  -0.022    62478   410.3
 Aroclor-1254 3   9.668  -0.027    148445   594.7      3   10.113  -0.026   217072   663.2
 Aroclor-1254 4   9.796  -0.035    241178   495.7      4   10.366  -0.023   248813   734.0
 Aroclor-1254 5  10.246   0.056    130222   390.4      5   10.562  -0.024   187192  1145.0
      Total Col1Ave (5 peaks):   459.8       Total Col2Ave (5 peaks):   696.3   RPD = 41*
      Corrected Ave (4 peaks):   426.1       Corrected Ave (4 peaks):   584.2   RPD = 31

 Aroclor-1260 1  11.042  -0.020    152573  1026.7      1   11.651  -0.018   142822   828.7
 Aroclor-1260 2  11.358  -0.019    113725   739.9      2   11.912  -0.021   313981   726.0
 Aroclor-1260 3  11.727  -0.024    323030   799.9      3   12.432  -0.020   117571  1020.9
 Aroclor-1260 4  12.128  -0.031    158479   770.6      4   12.495  -0.021   226056   784.1
 Aroclor-1260 5  12.242  -0.019     95505  1134.4      NS    ---                     ----
      Total Col1Ave (5 peaks):   894.3       Total Col2Ave (4 peaks):   840.0   RPD = 6
      Corrected Ave (4 peaks):   834.3       Corrected Ave (3 peaks):   779.6   RPD = 7

 Aroclor-1262 1  10.816  -0.032    347392  2544.5      1     ---                     0.0
 Aroclor-1262 2  12.242  -0.020     95505   450.0      2     ---                     0.0
 Aroclor-1262 3  12.316  -0.021    110082   485.6      3     ---                     0.0
 Aroclor-1262 4  12.981  -0.024    105794   581.5      4     ---                     0.0
      Total Col1Ave (4 peaks):  1015.4                Col2Ave: <3 Quant Peaks

 Aroclor-1268 1      ---                     0.0      1     ---                     0.0
 Aroclor-1268 2      ---                     0.0      2     ---                     0.0
 Aroclor-1268 3      ---                     0.0      3     ---                     0.0
 Aroclor-1268 4      ---                     0.0      4     ---                     0.0
            Col1Ave: <3 Quant Peaks                   Col2Ave: <3 Quant Peaks
```

Total PCB Area Col1 (5.936 - 13.808) =   4455092   Col1 Total PCB = 1.0 ppm*

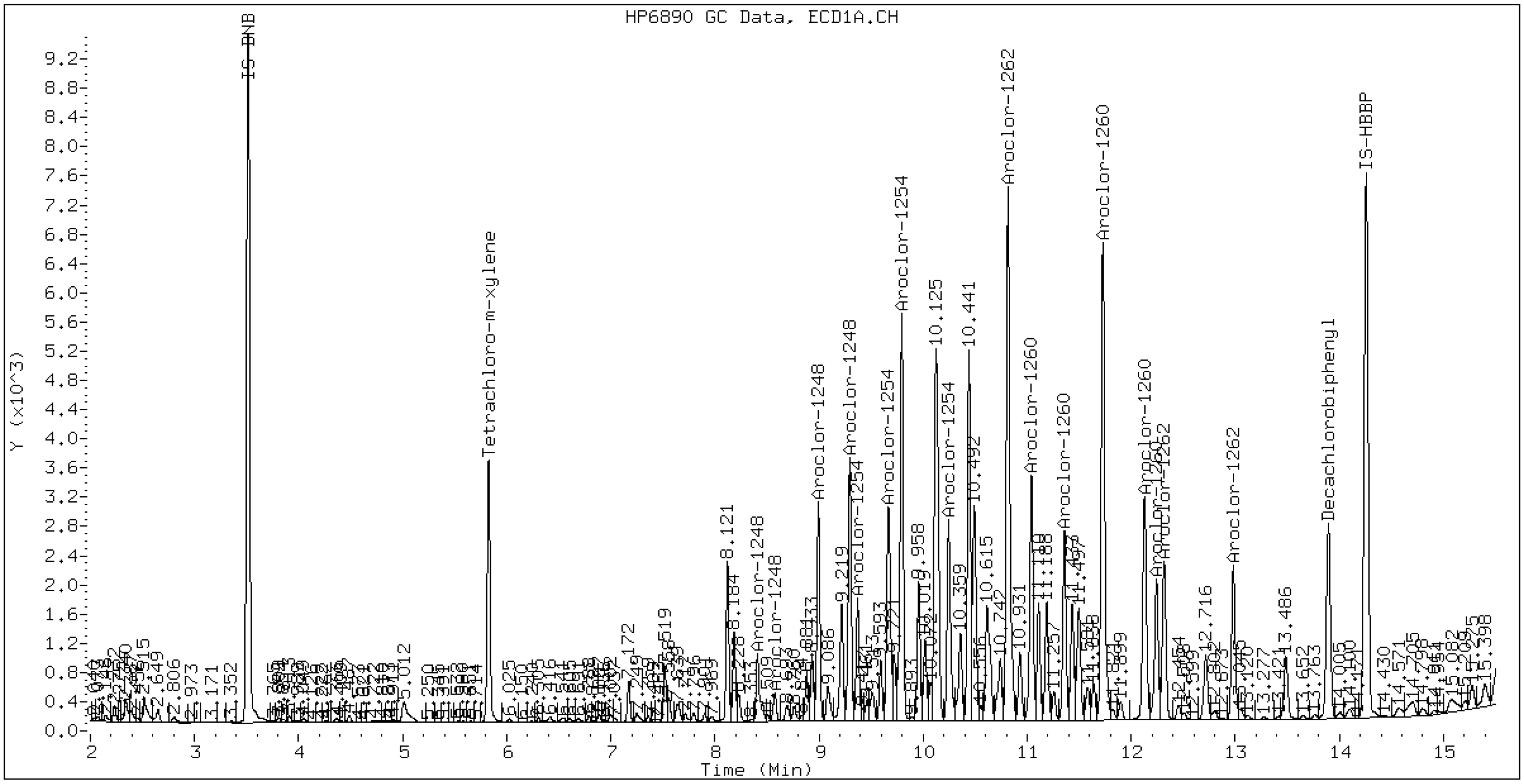
Total PCB Area Col2 (5.813 - 14.037) =   3705473   Col2 Total PCB = 1.3 ppm*

* Quantitated against AR1660 0.25ppm in Ical

PCB-Form 10 Mod.

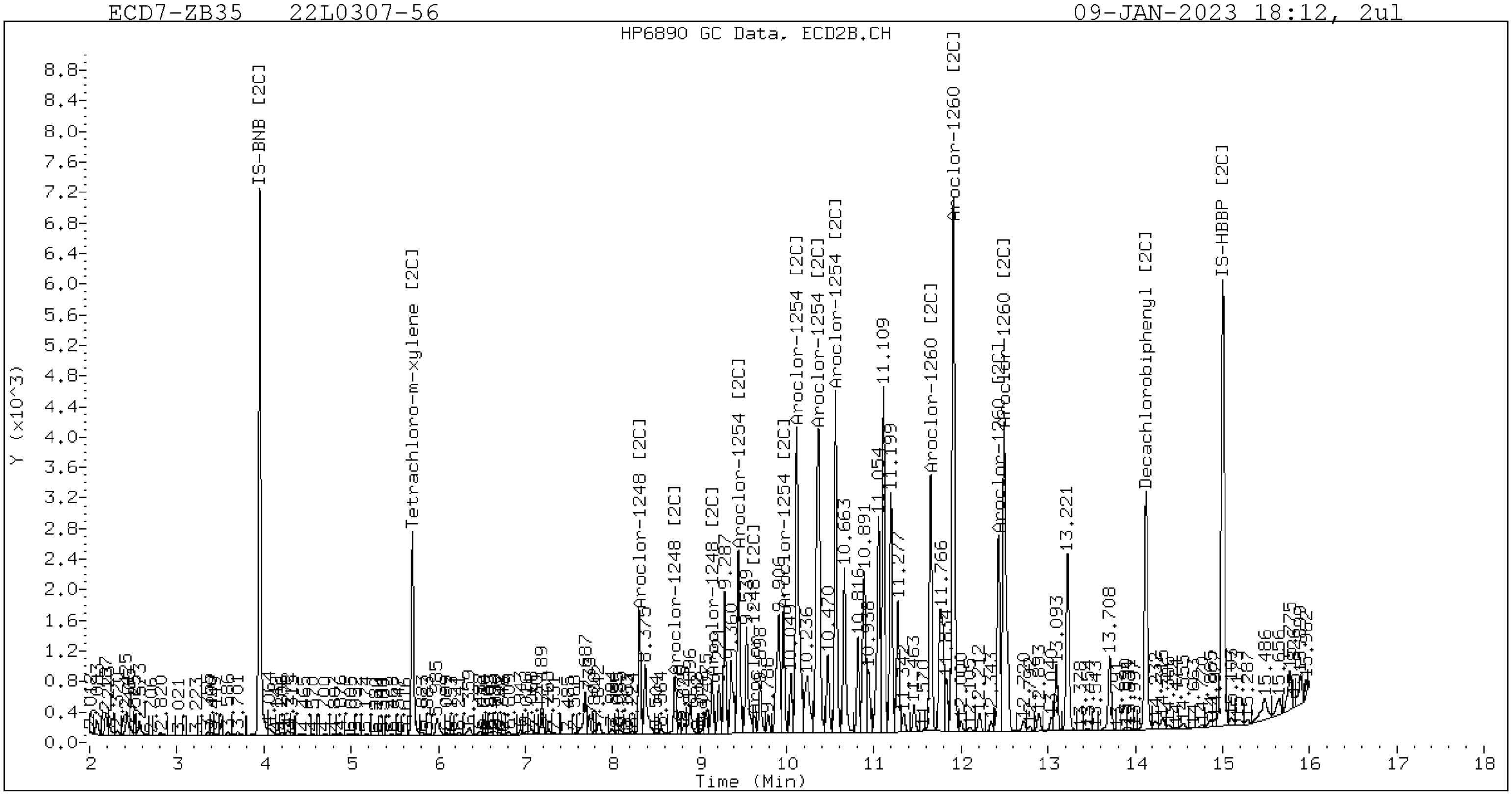
PCB Dual Column Chromatograms

ECD7-ZB5 22L0307-56 09-JAN-2023 18:12, 2ul



ZB-5 Manual Integration: YES

ECD7-ZB35 22L0307-56 09-JAN-2023 18:12, 2ul

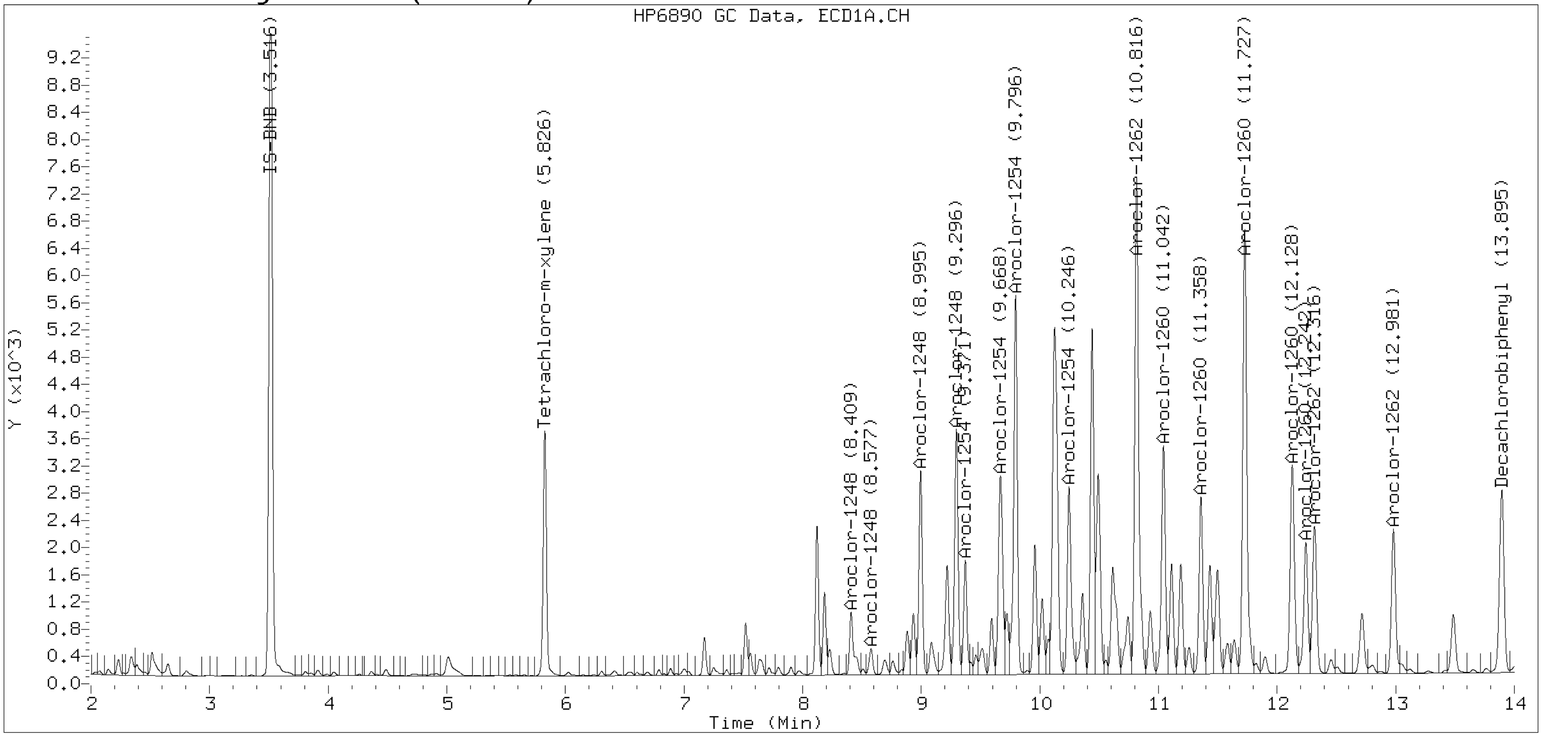


ZB-35 Manual Integration: NO

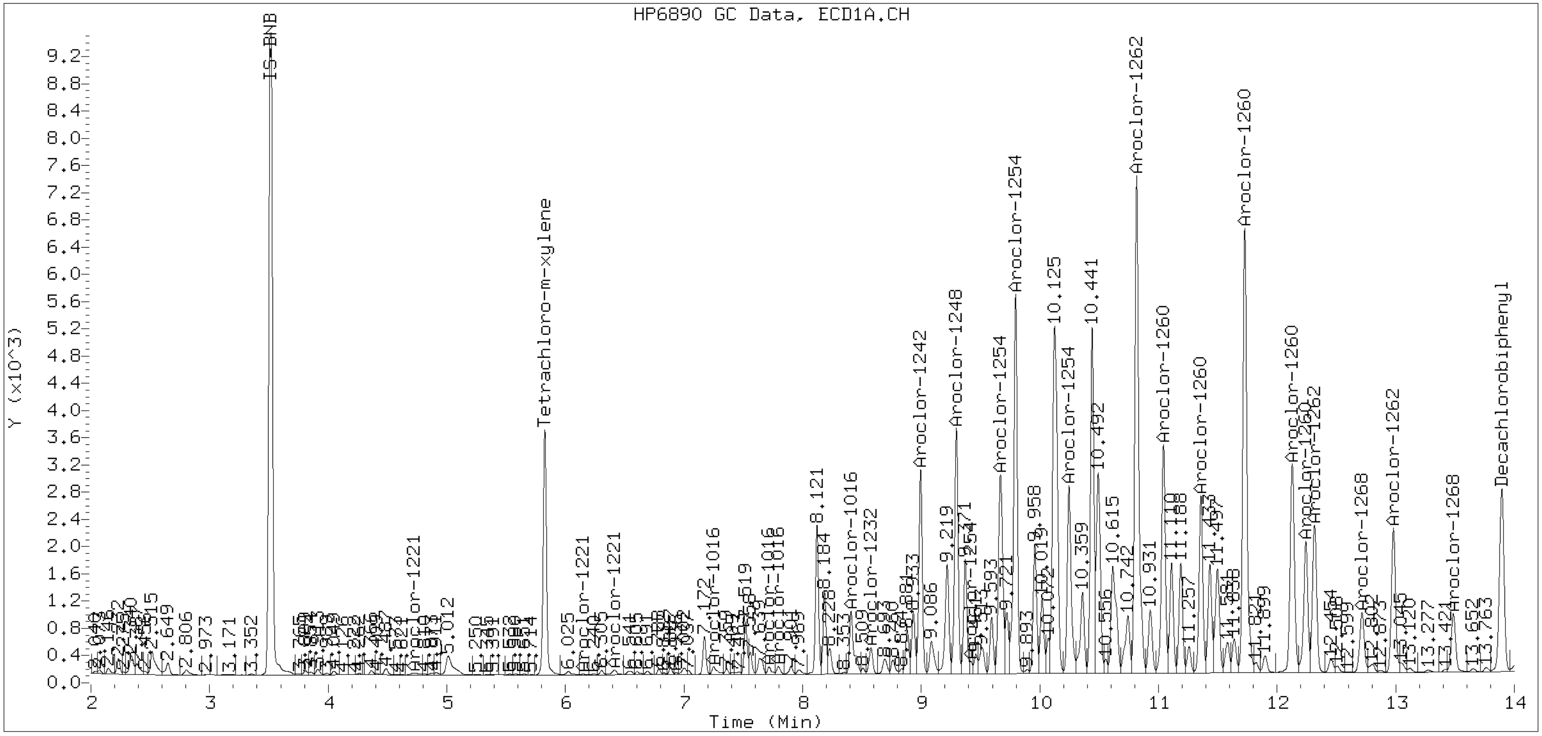
Manual Peak Adjustment, ZB-5

Datafile: ecd7.i/230109.b/01092327ECD7.D   Injection Date: 09-JAN-2023 18:12

Manual Integration (After)



Processed Integration (Before)



LDW22-SC800F

Dual Column

ORGANIC ANALYSIS DATA SHEET
EPA 8082A

Laboratory:	Analytical Resources, LLC			SDG:	22L0307
Client:	Anchor QEA, LLC				
Project:	AOC4 UR Phase 3				
Matrix:	Solid	Laboratory ID:	22L0307-57 B	File ID:	01102323ECD7.D
Sampled:	12/12/22 12:14	Prepared:	12/29/22 13:41	Analyzed:	01/11/23 00:13
% Solids:	55.57	Preparation:	EPA 3546 (Microwave)	Initial/Final:	22.5 g Wet / 2.5 mL
Batch:	BKL0583	Sequence:	SLA0156	Calibration:	FL00010
Instrument:	ECD7	Column 1:	ZB5	Column 2:	ZB35

CAS NO.	COMPOUND	Col #	DILUTION	CONC. (ug/kg dry)	MDL	MRL	Q
12674-11-2	Aroclor 1016	1	5	20.0	7.8	20.0	U
11104-28-2	Aroclor 1221	1	5	20.0	7.8	20.0	U
11141-16-5	Aroclor 1232	1	5	20.0	7.8	20.0	U
53469-21-9	Aroclor 1242	1	5	20.0	7.8	20.0	U
12672-29-6	Aroclor 1248	1	5	20.0	7.8	20.0	U
11097-69-1	Aroclor 1254	2	5	148	7.8	20.0	D
11096-82-5	Aroclor 1260	2	5	242	2.9	20.0	D

SURROGATES	Col #	ADDED (ug/kg dry)	CONC (ug/kg dry)	% REC	QC LIMITS	Q
Decachlorobiphenyl	*1*	*7.9979*	*8.54*	*107*	*40 - 126*	
Tetrachlorometaxylene	*1*	*7.9979*	*5.24*	*65.5*	*44 - 120*	
Decachlorobiphenyl	*2*	*7.9979*	*7.27*	*90.9*	*40 - 126*	
Tetrachlorometaxylene	*2*	*7.9979*	*5.67*	*70.9*	*44 - 120*	

```
                               Analytical Resources Inc.
                          Dual Column 608/8082 PCB Quantitation Report

 Data file 1: /230110.b/01102323ECD7.D                   ARI ID: 22L0329-57RE1
 Data file 2: /230110.b/230110.b/01102323ECD7.D          Client ID:
 Method: \\target\share\chem4\ecd7.i\230110.b\PCB.m      Injection Date: 11-JAN-2023 00:13
 Compound Sublist: PCB.sub                               Report Date: 01/13/2023 14:12
 Instrument, Inj. Vol.: ecd7.i, 2ul                      Matrix: NONE
 Quant Method: Internal Std                              Dilution Factor:  5.0



                                  SURROGATES

        ZB5 Col         |       ZB35 Col         |   ZB5    ZB35
   RT    Shift Response | RT    Shift  Response  |  on col  on col    RPD   Compound/Flag
 ========================================================================================

  5.827 -0.004    32092 | 5.704  -0.004    24093|    5.2     5.7      7.9    Tetrachloro-m-xylene
 13.894 -0.008    36451 |14.121  -0.007    37993|    8.5     7.3     16.1    Decachlorobiphenyl


*  Indicates RPD > 40%



                             INTERNAL STANDARD SUMMARY

                                         Column 1
                                  Standard    Sample
                Standard Cpnd       Area*       Area      %D
            --------------------------------------------------
              Bromo-Nitrobenzene    447645      431963   -3.5
              Hexabromobiphenyl     798898      465394  -41.7

                                         Column 2
                                  Standard    Sample
                Standard Cpnd       Area*       Area      %D
            --------------------------------------------------
              Bromo-Nitrobenzene    249094     309785    24.4
              Hexabromobiphenyl     362541     368011     1.5


             * Standard Areas taken from Initial Cal Level 3
               Initial Calibration Date: 03-DEC-2022
            <- Indicates standard response outside Limits (-50 to +100%)
```

```
                            ZB5 Col                                 ZB35 Col
 Aroclor   Peak#    RT    Shift    Area    Amount    Peak#   RT     Shift    Area   Amount
 ==========================================================================================
 Aroclor-1016 1      ---                     0.0      1     ---                      0.0
 Aroclor-1016 2      ---                     0.0      2     ---                      0.0
 Aroclor-1016 3      ---                     0.0      3     ---                      0.0
 Aroclor-1016 4      ---                     0.0      4     ---                      0.0
             Col1Ave: <3 Quant Peaks                 Col2Ave: <3 Quant Peaks

 Aroclor-1221 1      ---                     0.0      1     ---                      0.0
 Aroclor-1221 2      ---                     0.0      2     ---                      0.0
 Aroclor-1221 3      ---                     0.0      3     ---                      0.0
             Col1Ave: <3 Quant Peaks                 Col2Ave: <3 Quant Peaks

 Aroclor-1232 1      ---                     0.0      1     ---                      0.0
 Aroclor-1232 2      ---                     0.0      2     ---                      0.0
 Aroclor-1232 3      ---                     0.0      3     ---                      0.0
 Aroclor-1232 4      ---                     0.0      4     ---                      0.0
             Col1Ave: <3 Quant Peaks                 Col2Ave: <3 Quant Peaks

 Aroclor-1242 1      ---                     0.0      1     ---                      0.0
 Aroclor-1242 2      ---                     0.0      2     ---                      0.0
 Aroclor-1242 3      ---                     0.0      3     ---                      0.0
 Aroclor-1242 4      ---                     0.0      4     ---                      0.0
             Col1Ave: <3 Quant Peaks                 Col2Ave: <3 Quant Peaks

 Aroclor-1248 1      ---                     0.0      1     ---                      0.0
 Aroclor-1248 2      ---                     0.0      2     ---                      0.0
 Aroclor-1248 3      ---                     0.0      3     ---                      0.0
 Aroclor-1248 4      ---                     0.0      4     ---                      0.0
             Col1Ave: <3 Quant Peaks                 Col2Ave: <3 Quant Peaks

 Aroclor-1254 1   9.298  -0.018     40732   107.1      1    9.448  -0.014    28050   140.4
 Aroclor-1254 2   9.374  -0.021     15119   102.2      2    9.966  -0.015    15363    95.7
 Aroclor-1254 3   9.668  -0.017     30175   125.6      3   10.116  -0.018    56456   163.6
 Aroclor-1254 4   9.798  -0.026     55049   117.6      4   10.368  -0.015    69336   194.0
 Aroclor-1254 5  10.124  -0.067     83615   260.5      5   10.563  -0.017    62133   360.4
       Total Col1Ave (5 peaks):   142.6      Total Col2Ave (5 peaks):   190.8   RPD = 29
       Corrected Ave (4 peaks):   113.1      Corrected Ave (4 peaks):   148.4   RPD = 27

 Aroclor-1260 1  11.043  -0.013     45949   271.2      1   11.652  -0.010    44740   230.3
 Aroclor-1260 2  11.359  -0.014     38283   218.5      2   11.913  -0.013   108596   222.8
 Aroclor-1260 3  11.728  -0.018    113389   246.3      3   12.432  -0.012    36916   284.4
 Aroclor-1260 4  12.130  -0.023     54261   231.4      4   12.497  -0.014    74841   230.3
 Aroclor-1260 5  12.244  -0.011     29956   312.1      NS    ---                     ----
       Total Col1Ave (5 peaks):   255.9      Total Col2Ave (4 peaks):   242.0   RPD = 6
       Corrected Ave (4 peaks):   241.9      Corrected Ave (3 peaks):   227.8   RPD = 6

 Aroclor-1262 1      ---                     0.0      1     ---                      0.0
 Aroclor-1262 2      ---                     0.0      2     ---                      0.0
 Aroclor-1262 3      ---                     0.0      3     ---                      0.0
 Aroclor-1262 4      ---                     0.0      4     ---                      0.0
             Col1Ave: <3 Quant Peaks                 Col2Ave: <3 Quant Peaks

 Aroclor-1268 1      ---                     0.0      1     ---                      0.0
 Aroclor-1268 2      ---                     0.0      2     ---                      0.0
 Aroclor-1268 3      ---                     0.0      3     ---                      0.0
 Aroclor-1268 4      ---                     0.0      4     ---                      0.0
             Col1Ave: <3 Quant Peaks                 Col2Ave: <3 Quant Peaks
```

Total PCB Area Col1 (5.931 - 13.803) = 1220045 Col1 Total PCB = 0.3 ppm*

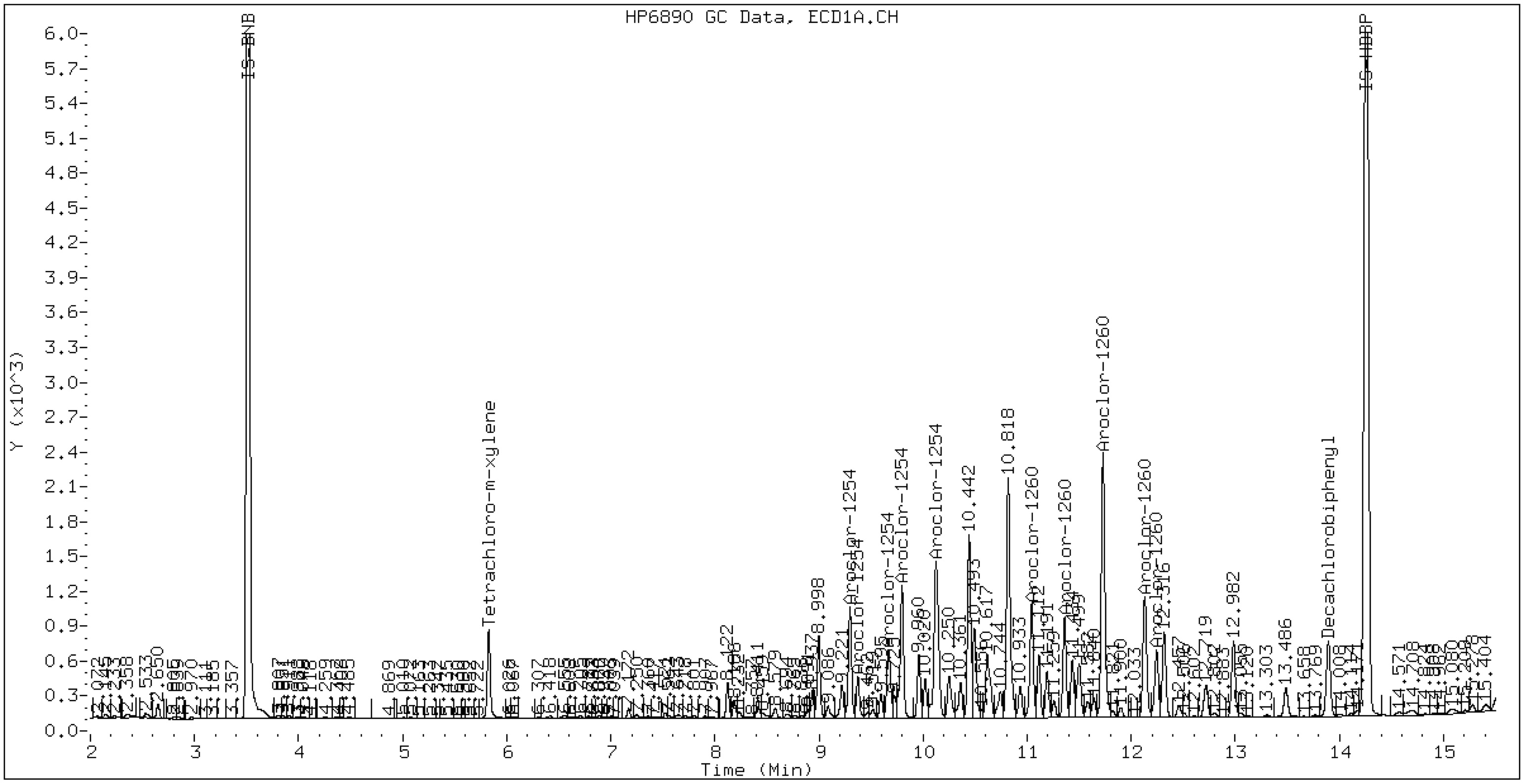
Total PCB Area Col2 (5.807 - 14.028) = 1051480 Col2 Total PCB = 0.4 ppm*

* Quantitated against AR1660 0.25ppm in Ical

PCB-Form 10 Mod.

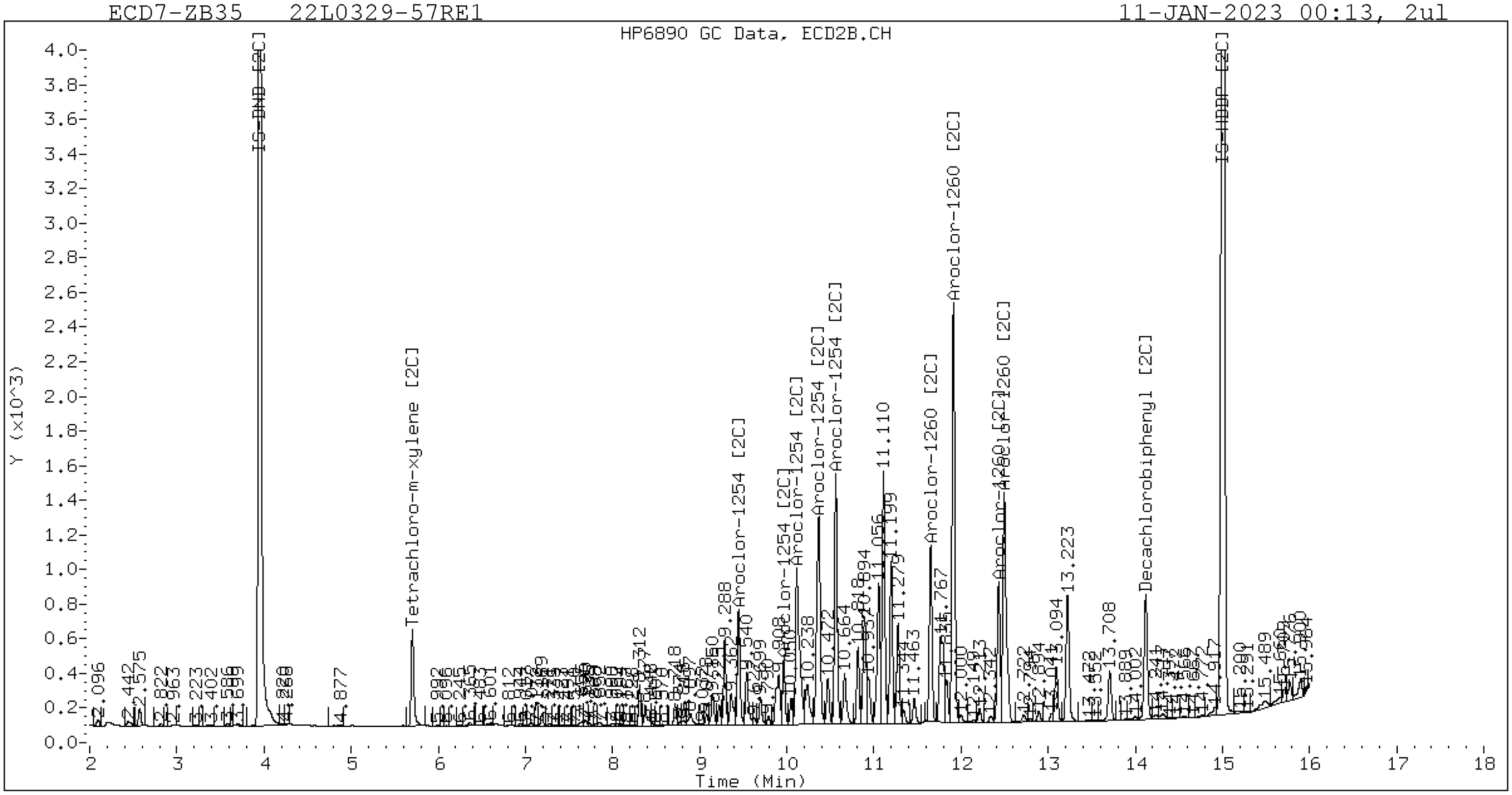
PCB Dual Column Chromatograms

ECD7-ZB5 22L0329-57RE1 11-JAN-2023 00:13, 2ul



ZB-5 Manual Integration: YES

ECD7-ZB35 22L0329-57RE1 11-JAN-2023 00:13, 2ul

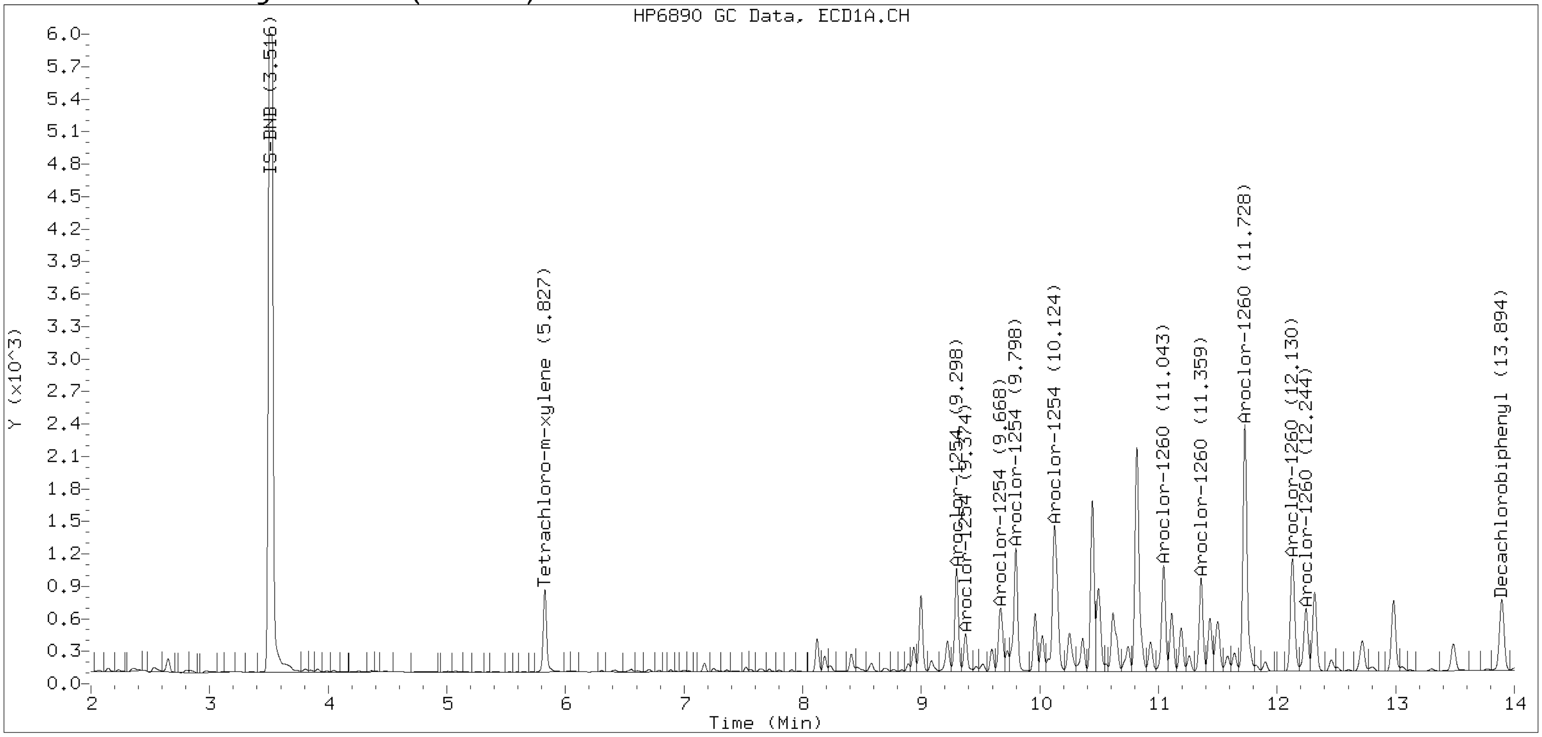


ZB-35 Manual Integration: NO

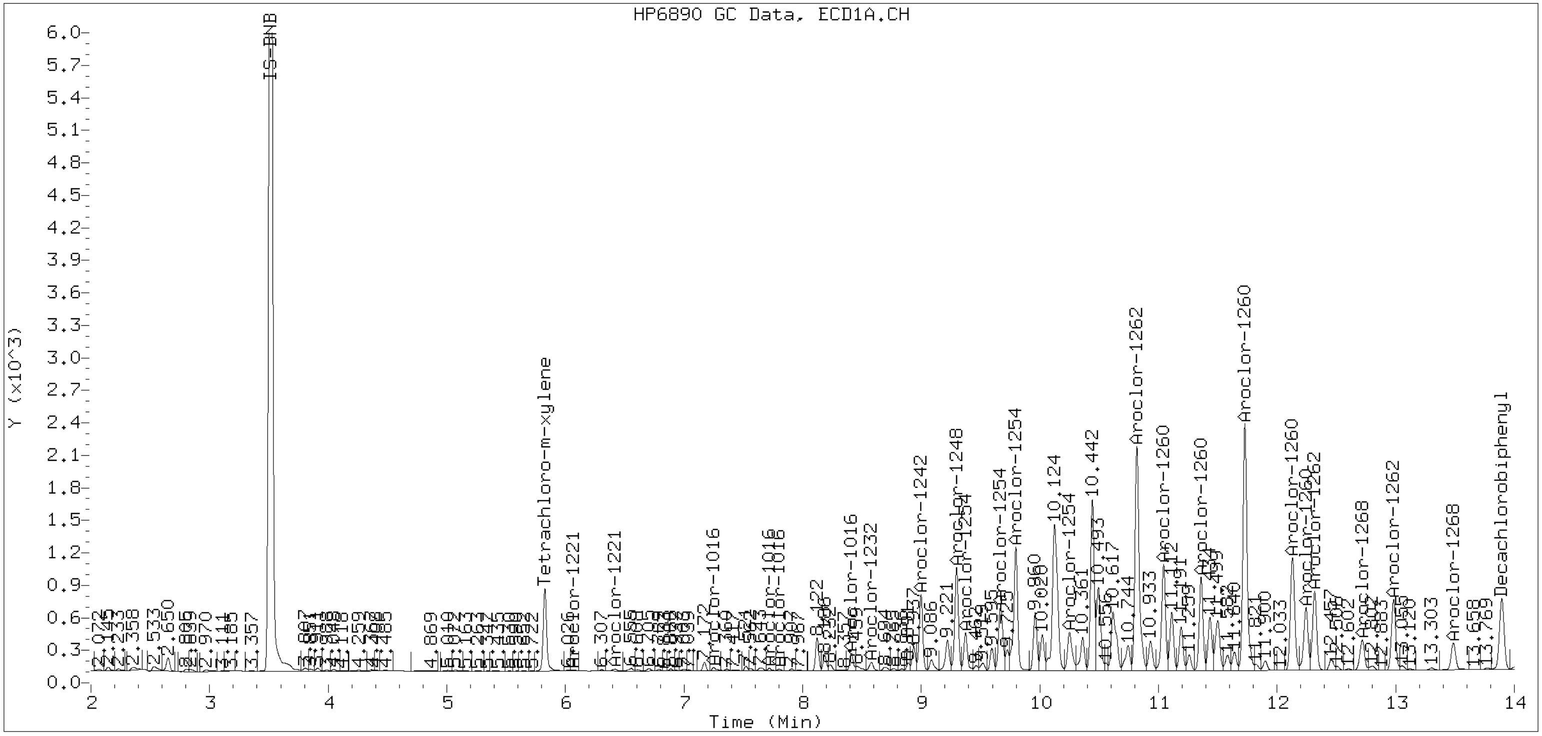
Manual Peak Adjustment, ZB-5

Datafile: ecd7.i/230110.b/01102323ECD7.D   Injection Date: 11-JAN-2023 00:13

Manual Integration (After)



Processed Integration (Before)



LDW22-SC800G

Dual Column

ORGANIC ANALYSIS DATA SHEET
EPA 8082A

Laboratory: Analytical Resources, LLC

SDG: 22L0307

Client: Anchor QEA, LLC

Project: AOC4 UR Phase 3

Matrix:	Solid	Laboratory ID:	22L0307-58 B	File ID:	01092329ECD7.D
Sampled:	12/12/22 12:14	Prepared:	12/29/22 13:41	Analyzed:	01/09/23 18:54
% Solids:	69.06	Preparation:	EPA 3546 (Microwave)	Initial/Final:	18.12 g Wet / 2.5 mL
Batch:	BKL0583	Sequence:	SLA0129	Calibration:	FL00010
Instrument:	ECD7	Column 1:	ZB5	Column 2:	ZB35

CAS NO.	COMPOUND	Col #	DILUTION	CONC. (ug/kg dry)	MDL	MRL	Q
12674-11-2	Aroclor 1016	1	1	4.0	1.6	4.0	U
11104-28-2	Aroclor 1221	1	1	4.0	1.6	4.0	U
11141-16-5	Aroclor 1232	1	1	4.0	1.6	4.0	U
53469-21-9	Aroclor 1242	1	1	4.0	1.6	4.0	U
12672-29-6	Aroclor 1248	1	1	8.8	1.6	4.0	
11097-69-1	Aroclor 1254	2	1	32.5	1.6	4.0	
11096-82-5	Aroclor 1260	1	1	124	0.6	4.0	

SURROGATES	Col #	ADDED (ug/kg dry)	CONC (ug/kg dry)	% REC	QC LIMITS	Q
Decachlorobiphenyl	*1*	*7.9913*	*7.42*	*92.9*	*40 - 126*	
Tetrachlorometaxylene	*1*	*7.9913*	*4.36*	*54.6*	*44 - 120*	
Decachlorobiphenyl	*2*	*7.9913*	*7.47*	*93.5*	*40 - 126*	
Tetrachlorometaxylene	*2*	*7.9913*	*5.09*	*63.7*	*44 - 120*	

```
                               Analytical Resources Inc.
                          Dual Column 608/8082 PCB Quantitation Report

 Data file 1: /230109.b/01092329ECD7.D                        ARI ID: 22L0307-58
 Data file 2: /230109.b/230109.b/01092329ECD7.D               Client ID:
 Method: \\target\share\chem4\ecd7.i\230109.b\PCB.m           Injection Date: 09-JAN-2023 18:54
 Compound Sublist: PCB.sub                                    Report Date: 01/14/2023 11:52
 Instrument, Inj. Vol.: ecd7.i, 2ul                           Matrix: NONE
 Quant Method: Internal Std                                   Dilution Factor:  1.0



                                  SURROGATES

        ZB5 Col         |        ZB35 Col         |   ZB5    ZB35
   RT    Shift Response | RT    Shift  Response   |  on col  on col    RPD   Compound/Flag
 ===========================================================================================

  5.824 -0.012   134591 | 5.700  -0.013    99818|   21.8    25.5     15.4    Tetrachloro-m-xylene
 13.894 -0.013   132417 |14.121  -0.016   161088|   37.2    37.4      0.7    Decachlorobiphenyl


*  Indicates RPD > 40%



                             INTERNAL STANDARD SUMMARY

                                         Column 1
                                  Standard    Sample
                  Standard Cpnd       Area*       Area      %D
               --------------------------------------------------
                 Bromo-Nitrobenzene    447645      434959   -2.8
                 Hexabromobiphenyl     798898      388747  -51.3 <-

                                         Column 2
                                  Standard    Sample
                  Standard Cpnd       Area*       Area      %D
               --------------------------------------------------
                 Bromo-Nitrobenzene    249094     285832    14.7
                 Hexabromobiphenyl     362541     303322   -16.3


                * Standard Areas taken from Initial Cal Level 3
                  Initial Calibration Date: 03-DEC-2022
               <- Indicates standard response outside Limits (-50 to +100%)
```

```
//target/share/chem4/ecd7.i/230109.b/01092329ECD7.D      22L0307-58                        page 2
                             ZB5 Col                          ZB35 Col
 Aroclor   Peak#    RT    Shift    Area    Amount    Peak#   RT     Shift    Area   Amount
 ========================================================================================
 Aroclor-1016 1      ---                     0.0      1     ---                      0.0
 Aroclor-1016 2      ---                     0.0      2     ---                      0.0
 Aroclor-1016 3      ---                     0.0      3     ---                      0.0
 Aroclor-1016 4      ---                     0.0      4     ---                      0.0
             Col1Ave: <3 Quant Peaks                   Col2Ave: <3 Quant Peaks

 Aroclor-1221 1      ---                     0.0      1     ---                      0.0
 Aroclor-1221 2      ---                     0.0      2     ---                      0.0
 Aroclor-1221 3      ---                     0.0      3     ---                      0.0
             Col1Ave: <3 Quant Peaks                   Col2Ave: <3 Quant Peaks

 Aroclor-1232 1      ---                     0.0      1     ---                      0.0
 Aroclor-1232 2      ---                     0.0      2     ---                      0.0
 Aroclor-1232 3      ---                     0.0      3     ---                      0.0
 Aroclor-1232 4      ---                     0.0      4     ---                      0.0
             Col1Ave: <3 Quant Peaks                   Col2Ave: <3 Quant Peaks

 Aroclor-1242 1      ---                     0.0      1     ---                      0.0
 Aroclor-1242 2      ---                     0.0      2     ---                      0.0
 Aroclor-1242 3      ---                     0.0      3     ---                      0.0
 Aroclor-1242 4      ---                     0.0      4     ---                      0.0
             Col1Ave: <3 Quant Peaks                   Col2Ave: <3 Quant Peaks

 Aroclor-1248 1   8.409  -0.018      7896    42.2      1    8.310  -0.016    16082   137.7
 Aroclor-1248 2   8.576  -0.028      3639    15.2      2    8.715  -0.017     5871    47.8
 Aroclor-1248 3   8.995  -0.027     31792    74.0      3    9.148  -0.030     6922    46.3
 Aroclor-1248 4   9.297  -0.014     44280   210.4      4    9.626   0.024     2920    16.7
       Total Col1Ave (4 peaks):    85.5       Total Col2Ave (4 peaks):    62.1   RPD = 32
       Corrected Ave (3 peaks):    43.8       Corrected Ave (3 peaks):    36.9   RPD = 17

 Aroclor-1254 1   9.297  -0.024     44280   115.6      1    9.447  -0.020    30704   166.6
 Aroclor-1254 2   9.371  -0.031     16537   111.0      2    9.965  -0.021    17134   115.6
 Aroclor-1254 3   9.673  -0.021     47817   197.7      3   10.143   0.004    32059   100.7
 Aroclor-1254 4   9.796  -0.035     64822   137.5      4   10.368  -0.021    88032   266.9
 Aroclor-1254 5  10.246   0.057     40266   124.6      5   10.562  -0.025    84551   531.5
       Total Col1Ave (5 peaks):   137.3       Total Col2Ave (5 peaks):   236.3   RPD = 53*
       Corrected Ave (4 peaks):   122.2       Corrected Ave (4 peaks):   162.5   RPD = 28

 Aroclor-1260 1  11.042  -0.020     98566   696.6      1   11.651  -0.018    76983   480.8
 Aroclor-1260 2  11.359  -0.019     73850   504.6      2   11.912  -0.020   204384   508.7
 Aroclor-1260 3  11.728  -0.024    210818   548.2      3   12.432  -0.020    82566   771.7
 Aroclor-1260 4  12.129  -0.029     95877   489.6      4   12.496  -0.021   150614   562.4
 Aroclor-1260 5  12.243  -0.018     68986   860.5      NS    ---                     ----
       Total Col1Ave (5 peaks):   619.9       Total Col2Ave (4 peaks):   580.9   RPD = 6
       Corrected Ave (4 peaks):   559.7       Corrected Ave (3 peaks):   517.3   RPD = 8

 Aroclor-1262 1      ---                     0.0      1     ---                      0.0
 Aroclor-1262 2      ---                     0.0      2     ---                      0.0
 Aroclor-1262 3      ---                     0.0      3     ---                      0.0
 Aroclor-1262 4      ---                     0.0      4     ---                      0.0
             Col1Ave: <3 Quant Peaks                   Col2Ave: <3 Quant Peaks

 Aroclor-1268 1      ---                     0.0      1     ---                      0.0
 Aroclor-1268 2      ---                     0.0      2     ---                      0.0
 Aroclor-1268 3      ---                     0.0      3     ---                      0.0
 Aroclor-1268 4      ---                     0.0      4     ---                      0.0
             Col1Ave: <3 Quant Peaks                   Col2Ave: <3 Quant Peaks
```

Total PCB Area Col1 (5.936 - 13.808) = 1989264 Col1 Total PCB = 0.5 ppm*

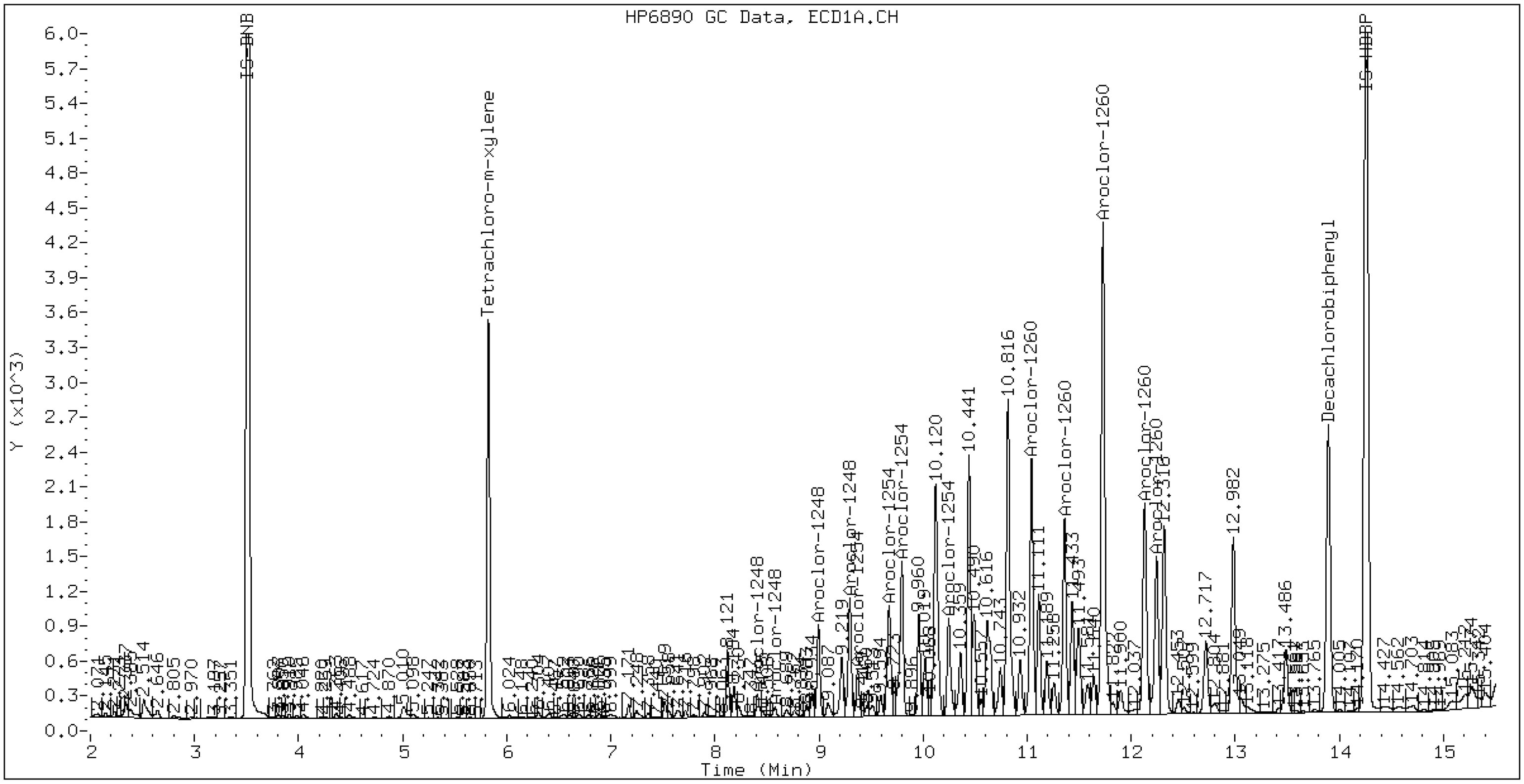
Total PCB Area Col2 (5.813 - 14.037) = 1747585 Col2 Total PCB = 0.7 ppm*

* Quantitated against AR1660 0.25ppm in Ical

PCB-Form 10 Mod.

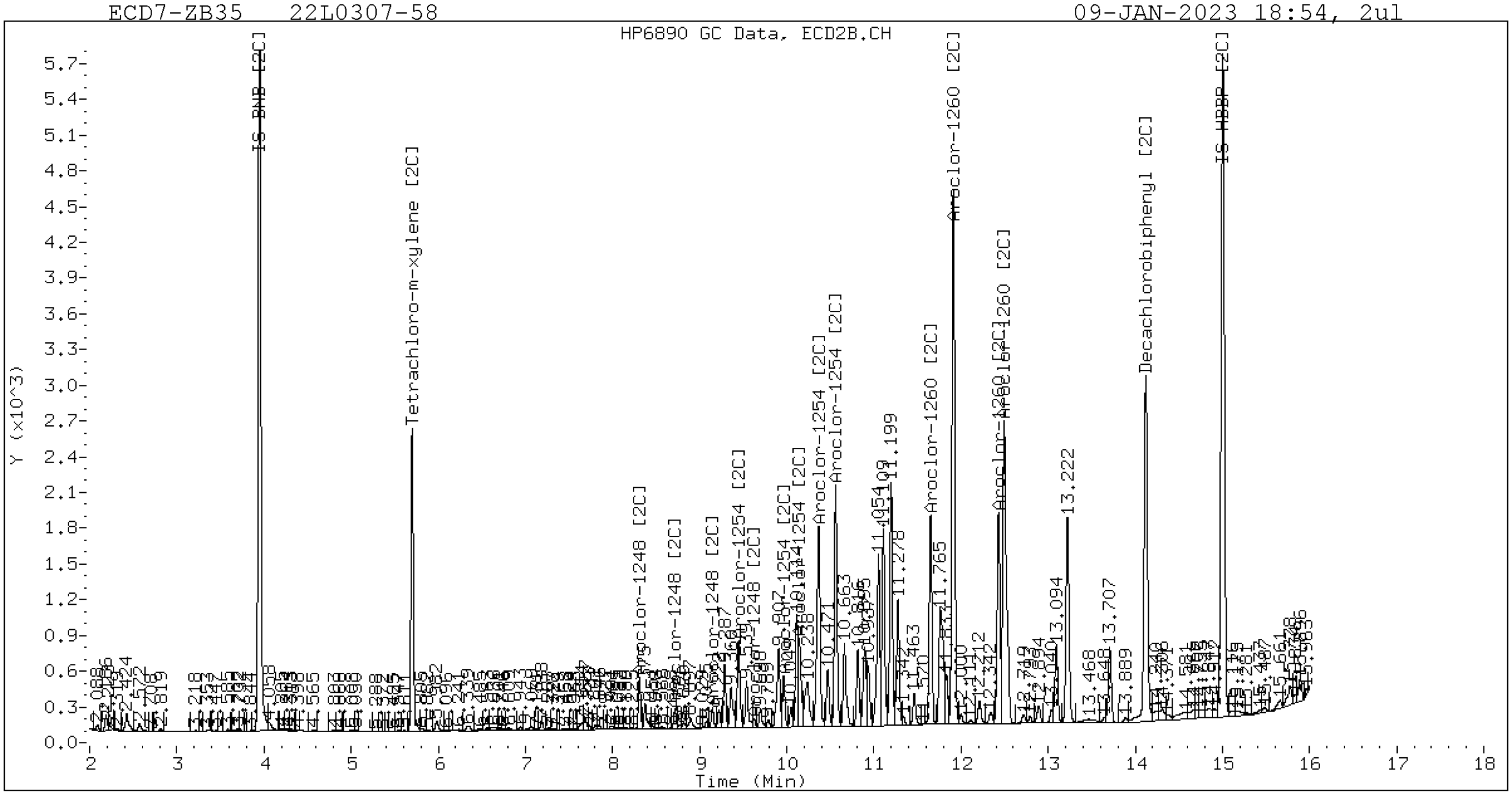
PCB Dual Column Chromatograms

ECD7-ZB5 22L0307-58 09-JAN-2023 18:54, 2ul



ZB-5 Manual Integration: YES

ECD7-ZB35 22L0307-58 09-JAN-2023 18:54, 2ul

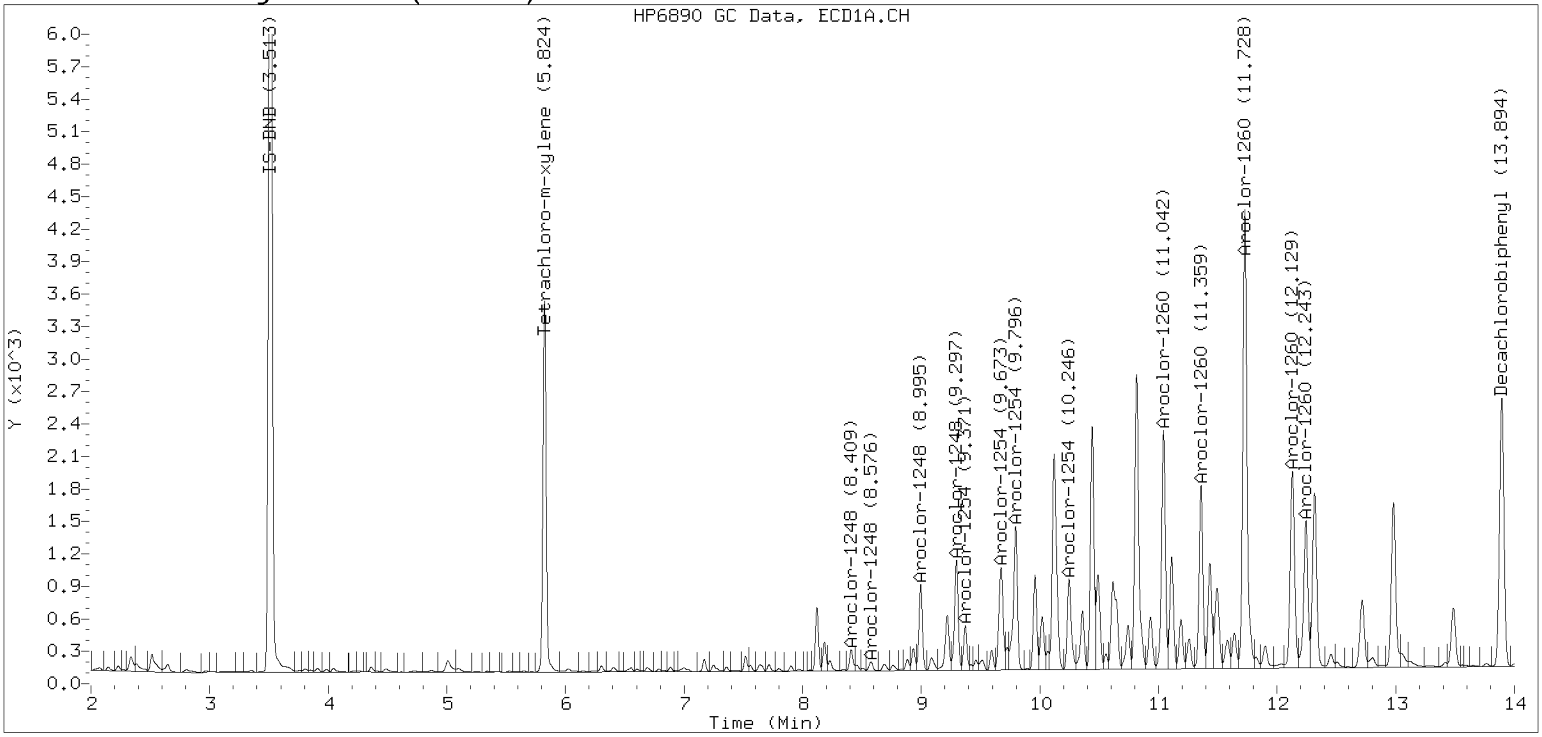


ZB-35 Manual Integration: NO

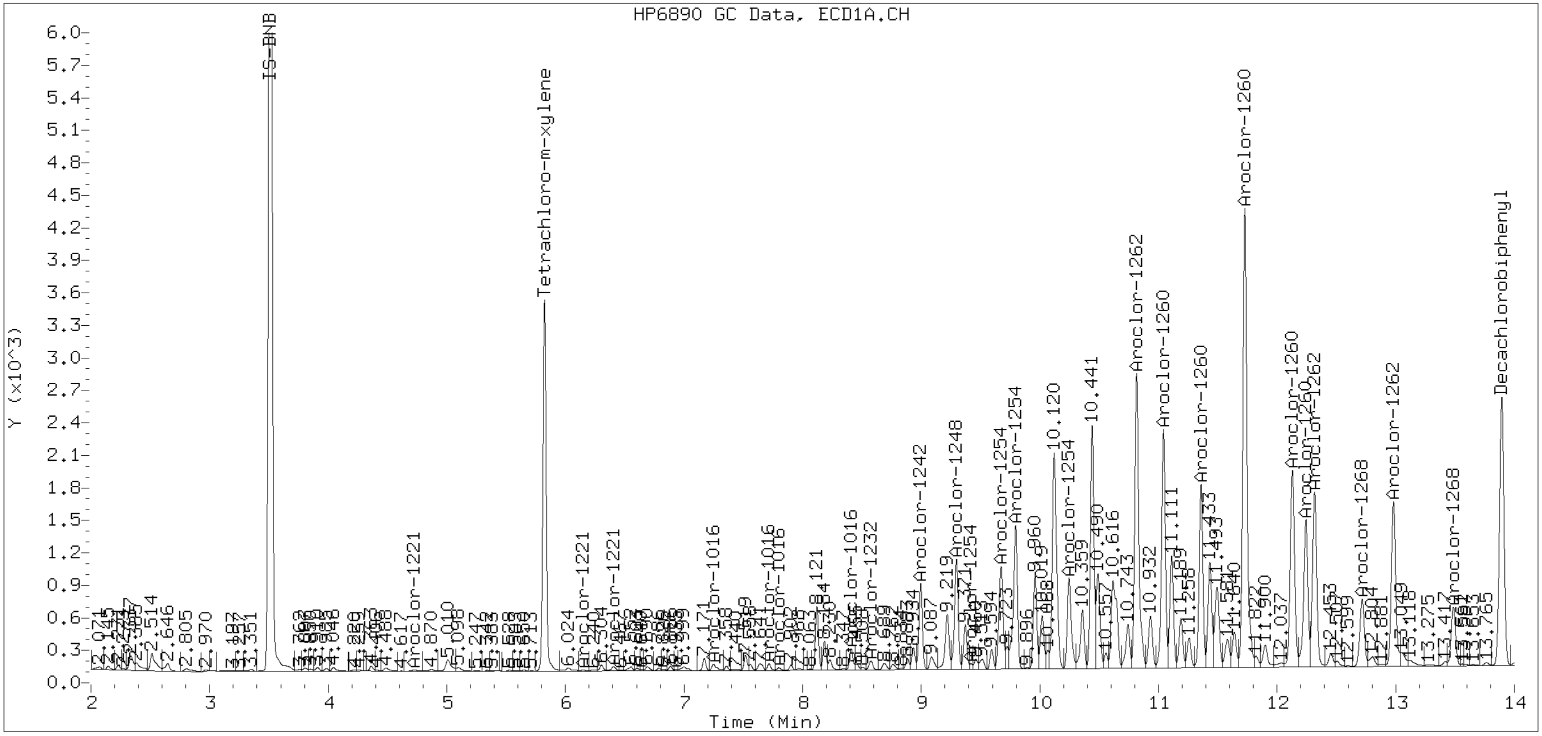
Manual Peak Adjustment, ZB-5

Datafile: ecd7.i/230109.b/01092329ECD7.D   Injection Date: 09-JAN-2023 18:54

Manual Integration (After)



Processed Integration (Before)



LDW22-SC800H

Dual Column

ORGANIC ANALYSIS DATA SHEET
EPA 8082A

Laboratory:	Analytical Resources, LLC			SDG:	22L0307
Client:	Anchor QEA, LLC				
Project:	AOC4 UR Phase 3				
Matrix:	Solid	Laboratory ID:	22L0307-59 B	File ID:	01092330ECD7.D
Sampled:	12/12/22 12:14	Prepared:	12/29/22 13:41	Analyzed:	01/09/23 19:15
% Solids:	62.42	Preparation:	EPA 3546 (Microwave)	Initial/Final:	20.05 g Wet / 2.5 mL
Batch:	BKL0583	Sequence:	SLA0129	Calibration:	FL00010
Instrument:	ECD7	Column 1:	ZB5	Column 2:	ZB35

CAS NO.	COMPOUND	Col #	DILUTION	CONC. (ug/kg dry)	MDL	MRL	Q
12674-11-2	Aroclor 1016	1	1	4.0	1.6	4.0	U
11104-28-2	Aroclor 1221	1	1	4.0	1.6	4.0	U
11141-16-5	Aroclor 1232	1	1	4.0	1.6	4.0	U
53469-21-9	Aroclor 1242	1	1	4.0	1.6	4.0	U
12672-29-6	Aroclor 1248	1	1	9.3	1.6	4.0	
11097-69-1	Aroclor 1254	2	1	57.2	1.6	4.0	
11096-82-5	Aroclor 1260	1	1	129	0.6	4.0	

SURROGATES	Col #	ADDED (ug/kg dry)	CONC (ug/kg dry)	% REC	QC LIMITS	Q
Decachlorobiphenyl	*1*	*7.9903*	*8.28*	*104*	*40 - 126*	
Tetrachlorometaxylene	*1*	*7.9903*	*4.57*	*57.2*	*44 - 120*	
Decachlorobiphenyl	*2*	*7.9903*	*7.73*	*96.7*	*40 - 126*	
Tetrachlorometaxylene	*2*	*7.9903*	*5.37*	*67.2*	*44 - 120*	

```
                              Analytical Resources Inc.
                         Dual Column 608/8082 PCB Quantitation Report

Data file 1: /230109.b/01092330ECD7.D                       ARI ID: 22L0307-59
Data file 2: /230109.b/230109.b/01092330ECD7.D              Client ID:
Method: \\target\share\chem4\ecd7.i\230109.b\PCB.m          Injection Date: 09-JAN-2023 19:15
Compound Sublist: PCB.sub                                   Report Date: 01/14/2023 11:52
Instrument, Inj. Vol.: ecd7.i, 2ul                          Matrix: NONE
Quant Method: Internal Std                                  Dilution Factor:  1.0



                                 SURROGATES

       ZB5 Col         |       ZB35 Col         |   ZB5    ZB35
  RT    Shift Response | RT    Shift  Response  |  on col  on col    RPD   Compound/Flag
============================================================================================

 5.825 -0.011   135710 | 5.701  -0.012   101913|   22.9    26.9     16.1    Tetrachloro-m-xylene
13.895 -0.013   133954 |14.120  -0.017   159377|   41.5    38.7      6.9    Decachlorobiphenyl


*  Indicates RPD > 40%




                             INTERNAL STANDARD SUMMARY

                                         Column 1
                                  Standard    Sample
                 Standard Cpnd      Area*       Area      %D
              --------------------------------------------------
                Bromo-Nitrobenzene    447645      418414   -6.5
                Hexabromobiphenyl     798898      352402  -55.9 <-

                                         Column 2
                                  Standard    Sample
                 Standard Cpnd      Area*       Area      %D
              --------------------------------------------------
                Bromo-Nitrobenzene    249094     276442    11.0
                Hexabromobiphenyl     362541     290086   -20.0


               * Standard Areas taken from Initial Cal Level 3
                 Initial Calibration Date: 03-DEC-2022
              <- Indicates standard response outside Limits (-50 to +100%)
```

```
                            ZB5 Col                                ZB35 Col
 Aroclor   Peak#    RT    Shift    Area    Amount    Peak#   RT     Shift    Area   Amount
 ==========================================================================================
 Aroclor-1016 1      ---                      0.0      1     ---                     0.0
 Aroclor-1016 2      ---                      0.0      2     ---                     0.0
 Aroclor-1016 3      ---                      0.0      3     ---                     0.0
 Aroclor-1016 4      ---                      0.0      4     ---                     0.0
             Col1Ave: <3 Quant Peaks                   Col2Ave: <3 Quant Peaks

 Aroclor-1221 1      ---                      0.0      1     ---                     0.0
 Aroclor-1221 2      ---                      0.0      2     ---                     0.0
 Aroclor-1221 3      ---                      0.0      3     ---                     0.0
             Col1Ave: <3 Quant Peaks                   Col2Ave: <3 Quant Peaks

 Aroclor-1232 1      ---                      0.0      1     ---                     0.0
 Aroclor-1232 2      ---                      0.0      2     ---                     0.0
 Aroclor-1232 3      ---                      0.0      3     ---                     0.0
 Aroclor-1232 4      ---                      0.0      4     ---                     0.0
             Col1Ave: <3 Quant Peaks                   Col2Ave: <3 Quant Peaks

 Aroclor-1242 1      ---                      0.0      1     ---                     0.0
 Aroclor-1242 2      ---                      0.0      2     ---                     0.0
 Aroclor-1242 3      ---                      0.0      3     ---                     0.0
 Aroclor-1242 4      ---                      0.0      4     ---                     0.0
             Col1Ave: <3 Quant Peaks                   Col2Ave: <3 Quant Peaks

 Aroclor-1248 1   8.408  -0.019      7047    39.2      1    8.310  -0.016    12342   109.3
 Aroclor-1248 2   8.574  -0.030      4053    17.6      2    8.715  -0.017     5631    47.4
 Aroclor-1248 3   8.995  -0.027     34533    83.6      3    9.146  -0.032     9011    62.4
 Aroclor-1248 4   9.296  -0.015     59473   293.8      4    9.625   0.023     3478    20.5
       Total Col1Ave (4 peaks):   108.5      Total Col2Ave (4 peaks):    59.9   RPD = 58*
       Corrected Ave (3 peaks):    46.8      Corrected Ave (3 peaks):    43.4   RPD = 7

 Aroclor-1254 1   9.296  -0.025     59473   161.4      1    9.446  -0.021    40894   229.4
 Aroclor-1254 2   9.371  -0.031     20191   140.9      2    9.964  -0.023    15722   109.7
 Aroclor-1254 3   9.678  -0.016    129887   558.2      3   10.143   0.004    37172   120.7
 Aroclor-1254 4   9.796  -0.035     75919   167.4      4   10.367  -0.022    98934   310.1
 Aroclor-1254 5  10.244   0.055     93774   301.6      5   10.561  -0.025   101738   661.3
       Total Col1Ave (5 peaks):   265.9      Total Col2Ave (5 peaks):   286.3   RPD = 7
       Corrected Ave (4 peaks):   192.8      Corrected Ave (4 peaks):   192.5   RPD = 0

 Aroclor-1260 1  11.042  -0.020     95034   740.9      1   11.650  -0.019    78459   512.4
 Aroclor-1260 2  11.358  -0.019     72326   545.2      2   11.911  -0.021   205790   535.6
 Aroclor-1260 3  11.728  -0.024    203871   584.8      3   12.431  -0.021    76402   746.7
 Aroclor-1260 4  12.128  -0.031     91350   514.6      4   12.495  -0.021   143568   560.5
 Aroclor-1260 5  12.242  -0.020     60676   834.9     NS    ---                     ----
       Total Col1Ave (5 peaks):   644.1      Total Col2Ave (4 peaks):   588.8   RPD = 9
       Corrected Ave (4 peaks):   596.4      Corrected Ave (3 peaks):   536.2   RPD = 11

 Aroclor-1262 1      ---                      0.0      1     ---                     0.0
 Aroclor-1262 2      ---                      0.0      2     ---                     0.0
 Aroclor-1262 3      ---                      0.0      3     ---                     0.0
 Aroclor-1262 4      ---                      0.0      4     ---                     0.0
             Col1Ave: <3 Quant Peaks                   Col2Ave: <3 Quant Peaks

 Aroclor-1268 1      ---                      0.0      1     ---                     0.0
 Aroclor-1268 2      ---                      0.0      2     ---                     0.0
 Aroclor-1268 3      ---                      0.0      3     ---                     0.0
 Aroclor-1268 4      ---                      0.0      4     ---                     0.0
             Col1Ave: <3 Quant Peaks                   Col2Ave: <3 Quant Peaks
```

Total PCB Area Col1 (5.936 - 13.808) = 2156314 Col1 Total PCB = 0.5 ppm*

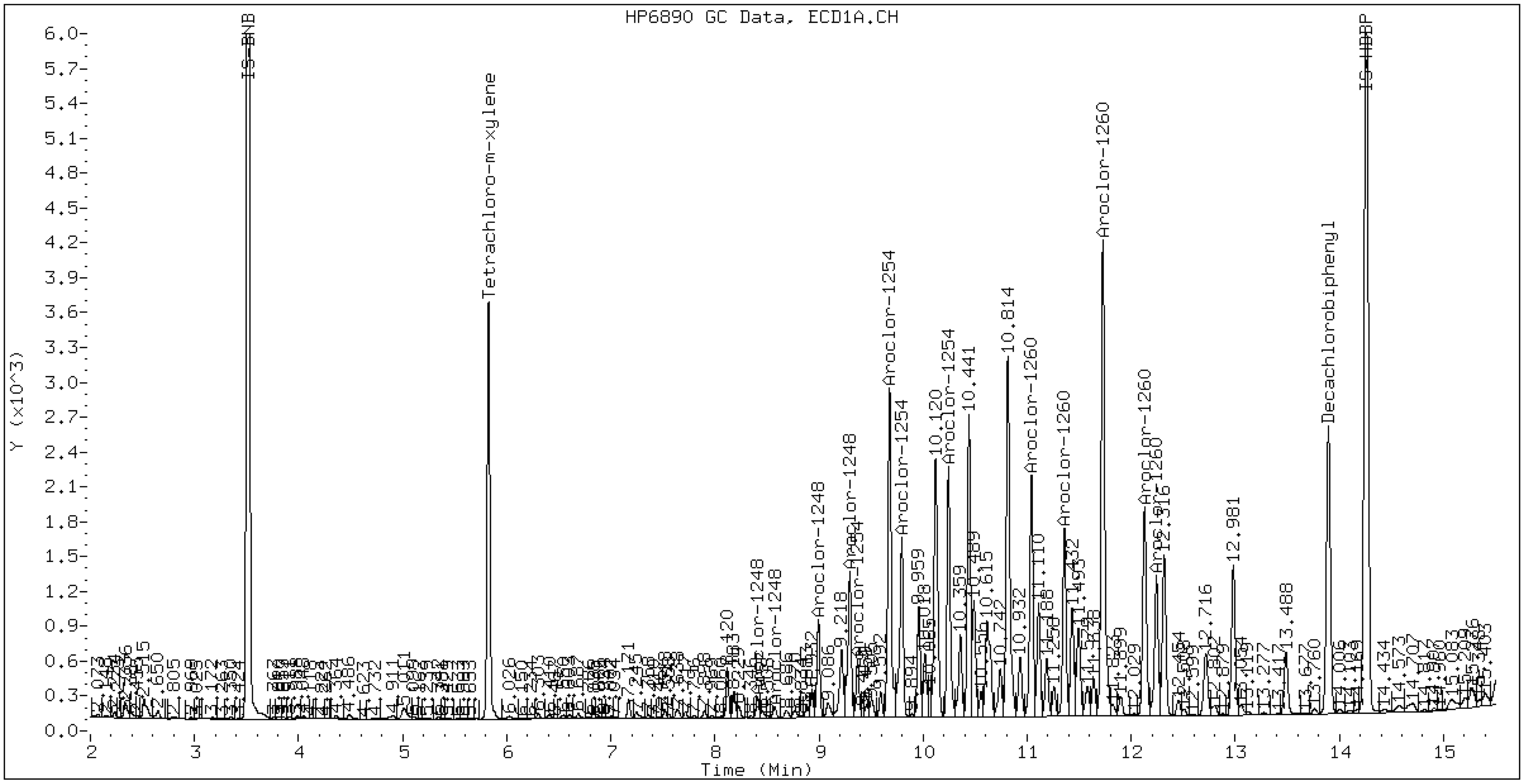
Total PCB Area Col2 (5.813 - 14.037) = 1953691 Col2 Total PCB = 0.8 ppm*

* Quantitated against AR1660 0.25ppm in Ical

PCB-Form 10 Mod.

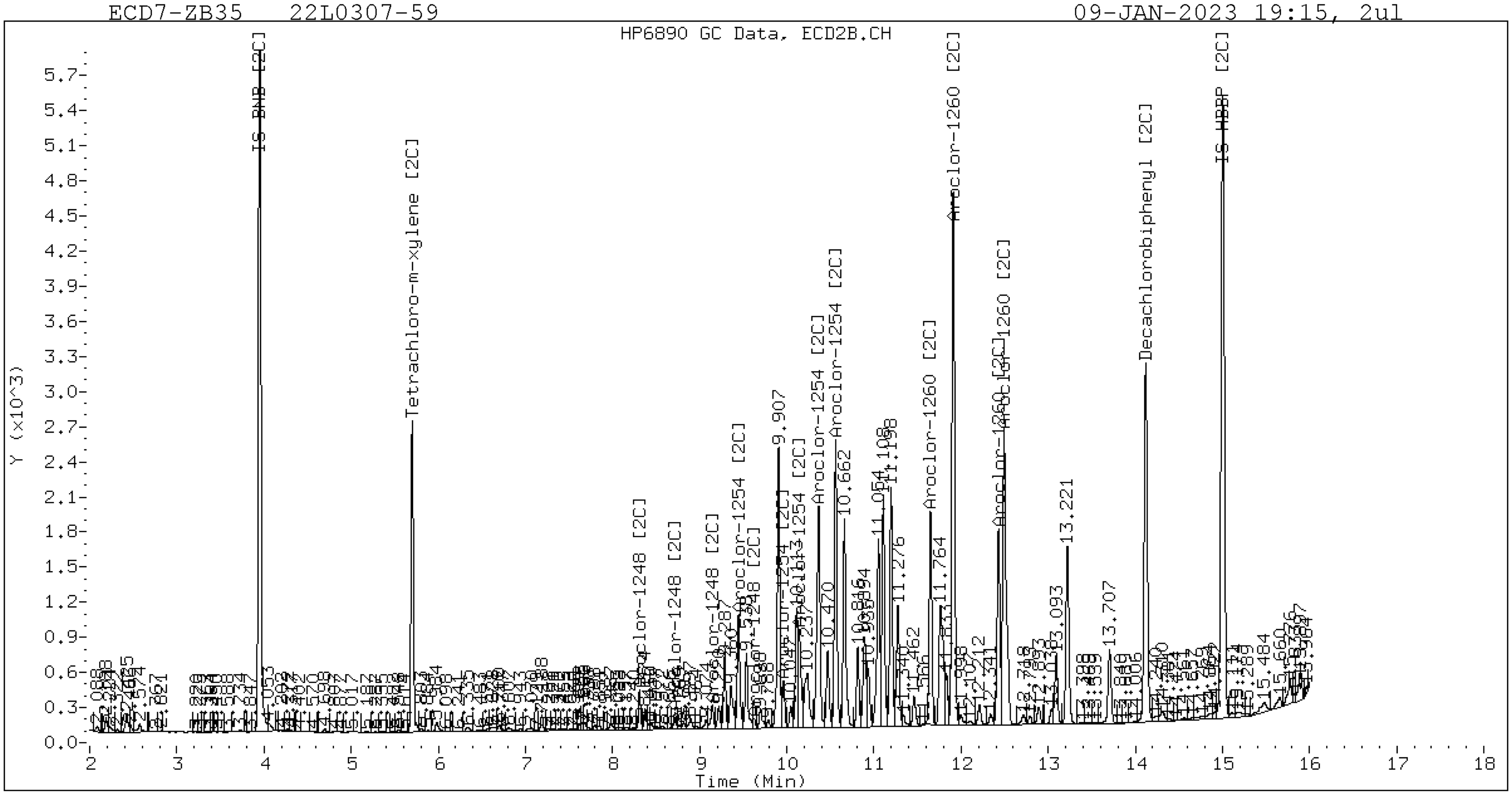
PCB Dual Column Chromatograms

ECD7-ZB5 22L0307-59 09-JAN-2023 19:15, 2ul



ZB-5 Manual Integration: YES

ECD7-ZB35 22L0307-59 09-JAN-2023 19:15, 2ul

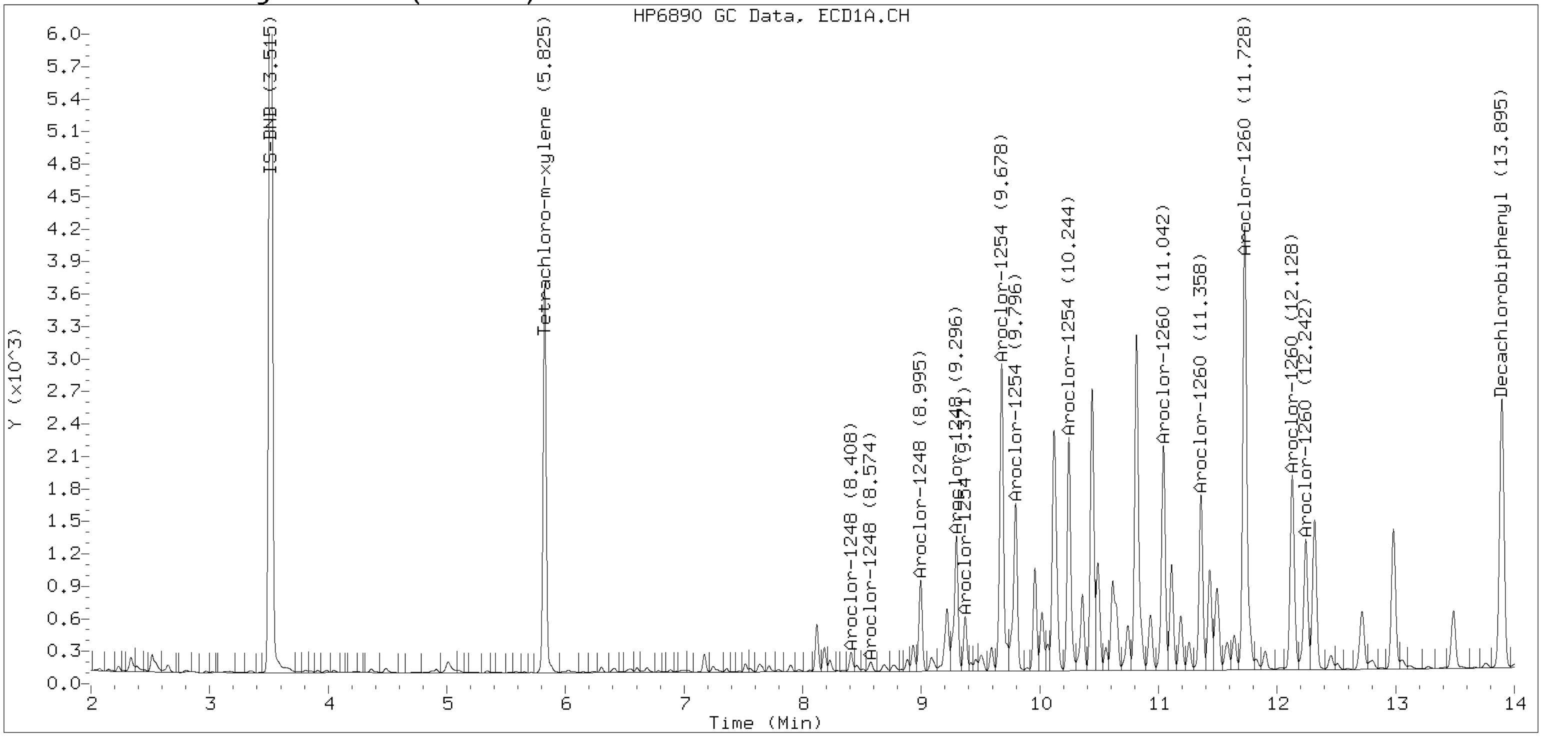


ZB-35 Manual Integration: NO

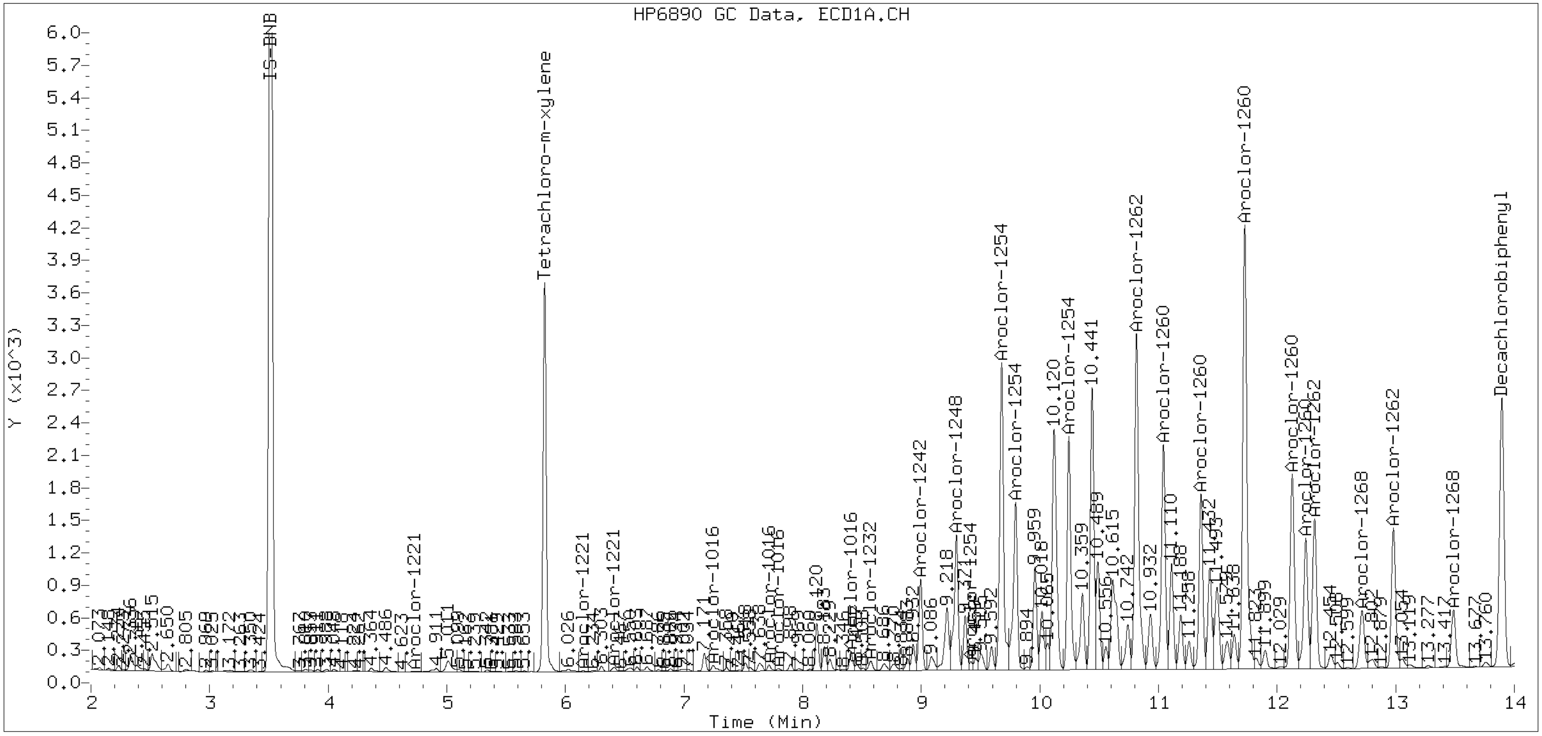
Manual Peak Adjustment, ZB-5

Datafile: ecd7.i/230109.b/01092330ECD7.D   Injection Date: 09-JAN-2023 19:15

Manual Integration (After)



Processed Integration (Before)



LDW22-SC783B

Dual Column

ORGANIC ANALYSIS DATA SHEET
EPA 8082A

Laboratory:	Analytical Resources, LLC			SDG:	22L0307
Client:	Anchor QEA, LLC				
Project:	AOC4 UR Phase 3				
Matrix:	Solid	Laboratory ID:	22L0307-60 B	File ID:	01102324ECD7.D
Sampled:	12/12/22 12:59	Prepared:	12/29/22 13:41	Analyzed:	01/11/23 00:34
% Solids:	58.24	Preparation:	EPA 3546 (Microwave)	Initial/Final:	21.46 g Wet / 2.5 mL
Batch:	BKL0583	Sequence:	SLA0156	Calibration:	FL00010
Instrument:	ECD7	Column 1:	ZB5	Column 2:	ZB35

CAS NO.	COMPOUND	Col #	DILUTION	CONC. (ug/kg dry)	MDL	MRL	Q
12674-11-2	Aroclor 1016	1	5	20.0	7.8	20.0	U
11104-28-2	Aroclor 1221	1	5	20.0	7.8	20.0	U
11141-16-5	Aroclor 1232	1	5	20.0	7.8	20.0	U
53469-21-9	Aroclor 1242	1	5	20.0	7.8	20.0	U
12672-29-6	Aroclor 1248	2	5	266	7.8	20.0	D
11097-69-1	Aroclor 1254	1	5	485	7.8	20.0	D
11096-82-5	Aroclor 1260	2	5	151	2.9	20.0	D

SURROGATES	Col #	ADDED (ug/kg dry)	CONC (ug/kg dry)	% REC	QC LIMITS	Q
Decachlorobiphenyl	*1*	*8.0011*	*7.80*	*97.5*	*40 - 126*	
Tetrachlorometaxylene	*1*	*8.0011*	*5.58*	*69.7*	*44 - 120*	
Decachlorobiphenyl	*2*	*8.0011*	*7.10*	*88.7*	*40 - 126*	
Tetrachlorometaxylene	*2*	*8.0011*	*6.10*	*76.2*	*44 - 120*	

```
                               Analytical Resources Inc.
                          Dual Column 608/8082 PCB Quantitation Report

 Data file 1: /230110.b/01102324ECD7.D                   ARI ID: 22L0329-60RE1
 Data file 2: /230110.b/230110.b/01102324ECD7.D          Client ID:
 Method: \\target\share\chem4\ecd7.i\230110.b\PCB.m      Injection Date: 11-JAN-2023 00:34
 Compound Sublist: PCB.sub                               Report Date: 01/13/2023 14:12
 Instrument, Inj. Vol.: ecd7.i, 2ul                      Matrix: NONE
 Quant Method: Internal Std                              Dilution Factor:  5.0



                                  SURROGATES

        ZB5 Col         |       ZB35 Col         |   ZB5    ZB35
   RT    Shift Response | RT    Shift  Response  |  on col  on col    RPD   Compound/Flag
 ========================================================================================

  5.827 -0.005    34429 | 5.703  -0.004    26506|    5.6     6.1      8.9    Tetrachloro-m-xylene
 13.894 -0.008    38892 |14.122  -0.005    41543|    7.8     7.1      9.5    Decachlorobiphenyl


*  Indicates RPD > 40%




                             INTERNAL STANDARD SUMMARY

                                         Column 1
                                  Standard    Sample
                Standard Cpnd       Area*       Area      %D
            --------------------------------------------------
              Bromo-Nitrobenzene    447645      435550   -2.7
              Hexabromobiphenyl     798898      543682  -31.9

                                         Column 2
                                  Standard    Sample
                Standard Cpnd       Area*       Area      %D
            --------------------------------------------------
              Bromo-Nitrobenzene    249094     317215    27.3
              Hexabromobiphenyl     362541     412462    13.8


             * Standard Areas taken from Initial Cal Level 3
               Initial Calibration Date: 03-DEC-2022
            <- Indicates standard response outside Limits (-50 to +100%)
```

```
//target/share/chem4/ecd7.i/230110.b/01102324ECD7.D      22L0329-60RE1                    page 2
                           ZB5 Col                                ZB35 Col
 Aroclor    Peak#    RT    Shift    Area    Amount    Peak#   RT     Shift    Area   Amount
 ==========================================================================================
 Aroclor-1016 1      ---                     0.0      1     ---                      0.0
 Aroclor-1016 2      ---                     0.0      2     ---                      0.0
 Aroclor-1016 3      ---                     0.0      3     ---                      0.0
 Aroclor-1016 4      ---                     0.0      4     ---                      0.0
             Col1Ave: <3 Quant Peaks                   Col2Ave: <3 Quant Peaks

 Aroclor-1221 1      ---                     0.0      1     ---                      0.0
 Aroclor-1221 2      ---                     0.0      2     ---                      0.0
 Aroclor-1221 3      ---                     0.0      3     ---                      0.0
             Col1Ave: <3 Quant Peaks                   Col2Ave: <3 Quant Peaks

 Aroclor-1232 1      ---                     0.0      1     ---                      0.0
 Aroclor-1232 2      ---                     0.0      2     ---                      0.0
 Aroclor-1232 3      ---                     0.0      3     ---                      0.0
 Aroclor-1232 4      ---                     0.0      4     ---                      0.0
             Col1Ave: <3 Quant Peaks                   Col2Ave: <3 Quant Peaks

 Aroclor-1242 1      ---                     0.0      1     ---                      0.0
 Aroclor-1242 2      ---                     0.0      2     ---                      0.0
 Aroclor-1242 3      ---                     0.0      3     ---                      0.0
 Aroclor-1242 4      ---                     0.0      4     ---                      0.0
             Col1Ave: <3 Quant Peaks                   Col2Ave: <3 Quant Peaks

 Aroclor-1248 1   8.412  -0.011     39974   213.5      1    8.313  -0.008    38470   296.9
 Aroclor-1248 2   8.580  -0.019     32792   137.1      2    8.719  -0.009    30540   224.1
 Aroclor-1248 3   8.998  -0.019    125891   292.7      3    9.152  -0.022    45914   276.9
 Aroclor-1248 4   9.299  -0.009    148268   703.6      4    9.543  -0.053    70724   3~~63~~.4
       Total Col1Ave (4 peaks):   336.7       Total Col2Ave (4 peaks):   ~~290~~.3   RPD = 15
       Corrected Ave (3 peaks):   214.4       Corrected Ave (3 peaks):   266.0   RPD = 21

 Aroclor-1254 1   9.299  -0.017    148268   386.6      1    9.450  -0.011    92665   453.1
 Aroclor-1254 2   9.374  -0.020     67389   451.8      2    9.968  -0.013    44587   271.2
 Aroclor-1254 3   9.676  -0.009    128008   528.5      3   10.117  -0.017   154821   438.0
 Aroclor-1254 4   9.800  -0.024    187852   397.9      4   10.357  -0.025   172296   470.7
 Aroclor-1254 5  10.142  -0.049    213356   659.2      5   10.565  -0.015    92887   526.1
       Total Col1Ave (5 peaks):   484.8       Total Col2Ave (5 peaks):   431.8   RPD = 12
       Corrected Ave (4 peaks):   441.2       Corrected Ave (4 peaks):   408.2   RPD = 8

 Aroclor-1260 1  11.044  -0.013     31820   160.8      1   11.655  -0.007    49392   226.9
 Aroclor-1260 2  11.360  -0.013     27845   136.0      2   11.914  -0.012    65950   120.7
 Aroclor-1260 3  11.730  -0.017     70734   131.5      3   12.434  -0.010    18878   129.8
 Aroclor-1260 4  12.131  -0.021     43083   157.3      4   12.498  -0.012    45635   125.3
 Aroclor-1260 5  12.244  -0.011     15679   139.8      NS    ---                     ----
       Total Col1Ave (5 peaks):   145.1       Total Col2Ave (4 peaks):   150.7   RPD = 4
       Corrected Ave (4 peaks):   141.2       Corrected Ave (3 peaks):   125.3   RPD = 12

 Aroclor-1262 1      ---                     0.0      1     ---                      0.0
 Aroclor-1262 2      ---                     0.0      2     ---                      0.0
 Aroclor-1262 3      ---                     0.0      3     ---                      0.0
 Aroclor-1262 4      ---                     0.0      4     ---                      0.0
             Col1Ave: <3 Quant Peaks                   Col2Ave: <3 Quant Peaks

 Aroclor-1268 1      ---                     0.0      1     ---                      0.0
 Aroclor-1268 2      ---                     0.0      2     ---                      0.0
 Aroclor-1268 3      ---                     0.0      3     ---                      0.0
 Aroclor-1268 4      ---                     0.0      4     ---                      0.0
             Col1Ave: <3 Quant Peaks                   Col2Ave: <3 Quant Peaks
```

Total PCB Area Col1 (5.931 - 13.803) = 2493187 Col1 Total PCB = 0.6 ppm*

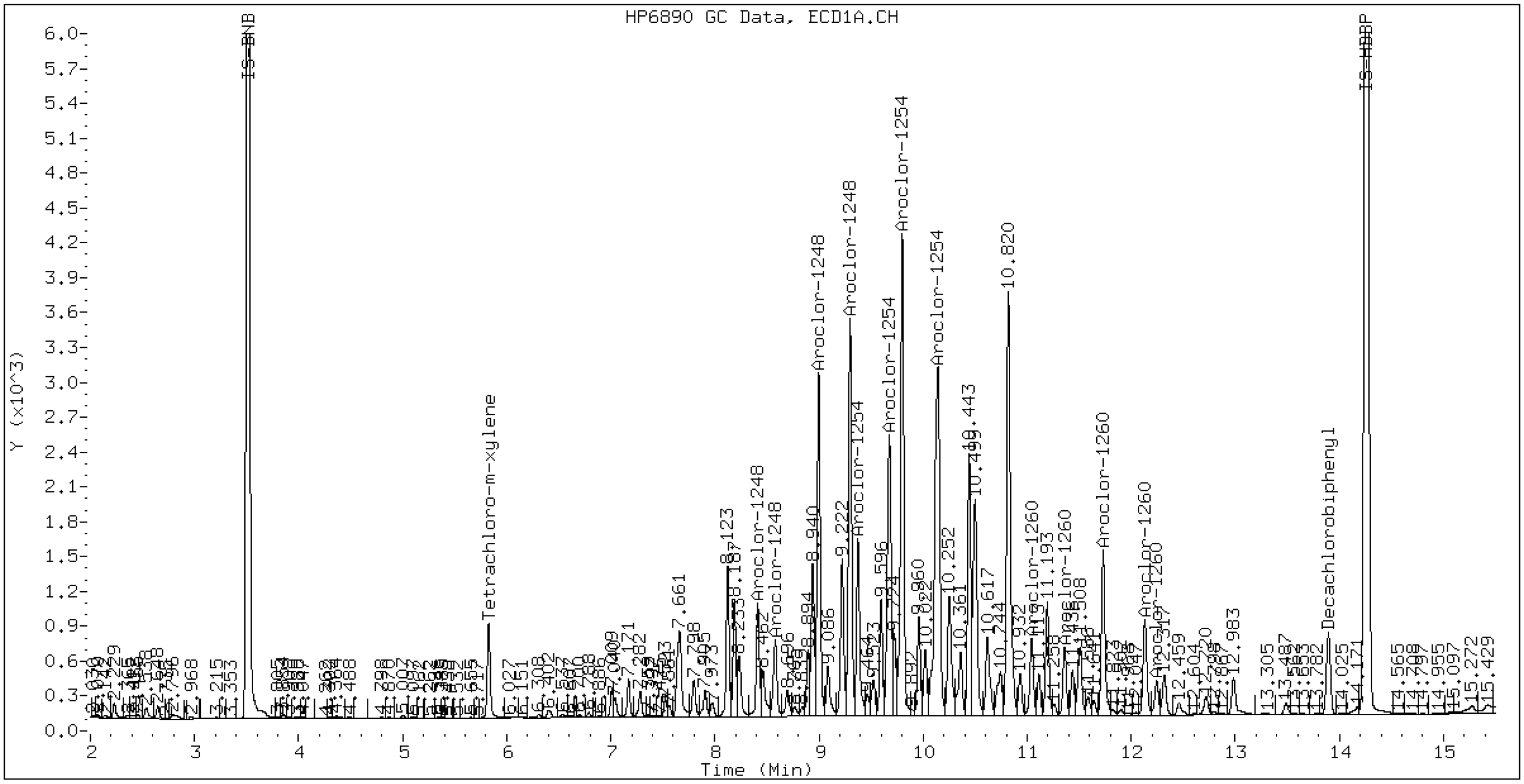
Total PCB Area Col2 (5.807 - 14.028) = 1958640 Col2 Total PCB = 0.7 ppm*

* Quantitated against AR1660 0.25ppm in Ical

PCB-Form 10 Mod.

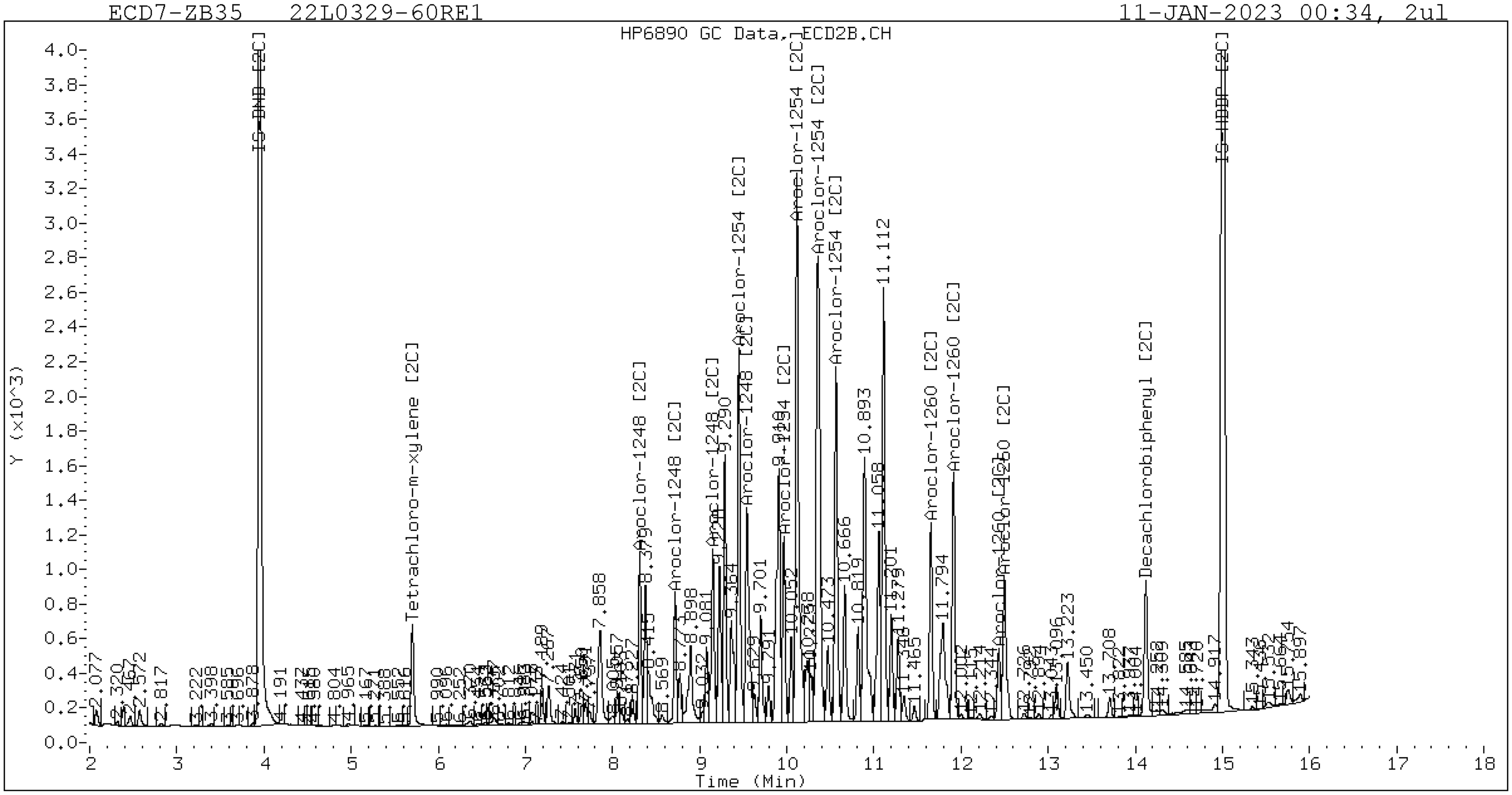
PCB Dual Column Chromatograms

ECD7-ZB5 22L0329-60RE1 11-JAN-2023 00:34, 2ul



ZB-5 Manual Integration: NO

ECD7-ZB35 22L0329-60RE1 11-JAN-2023 00:34, 2ul

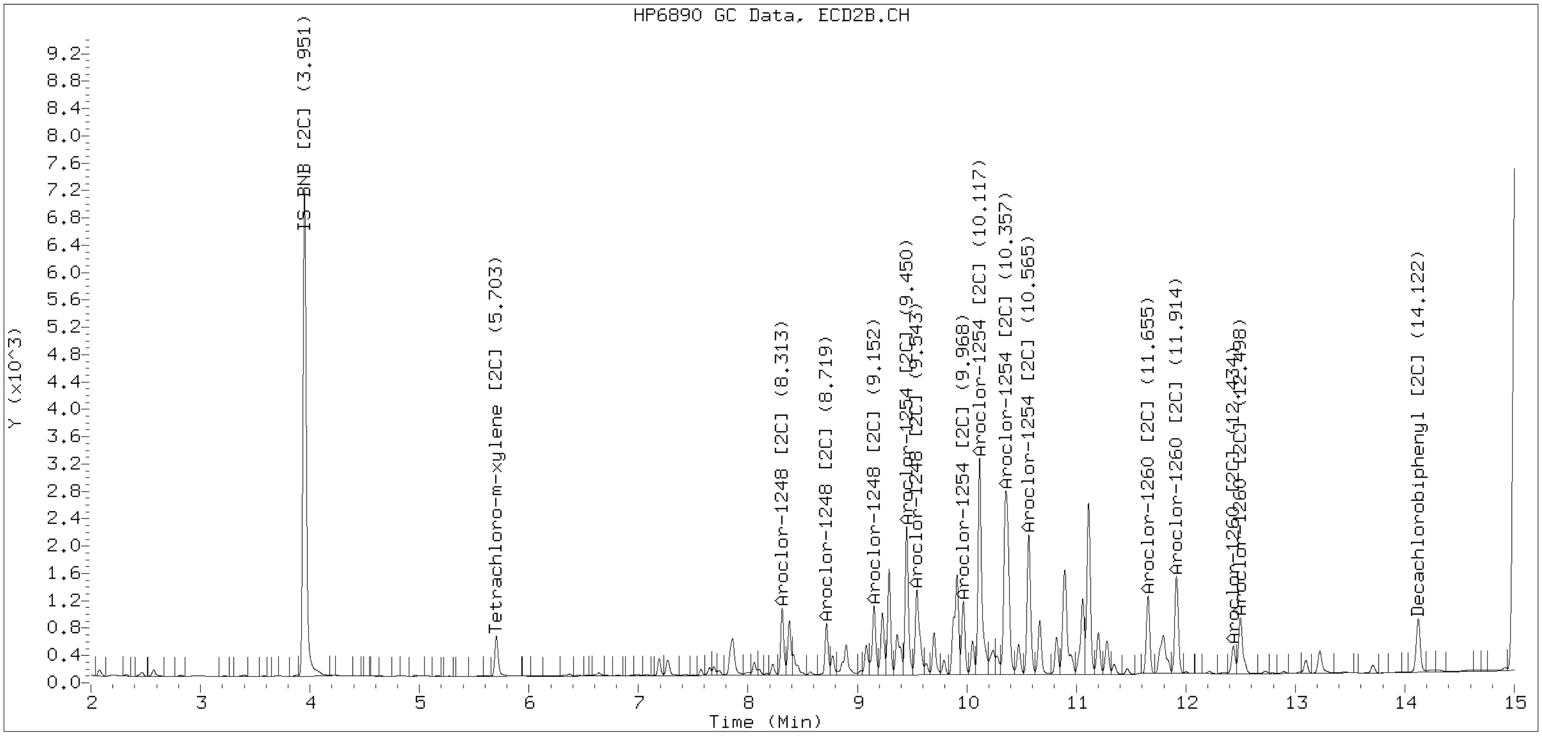


ZB-35 Manual Integration: YES

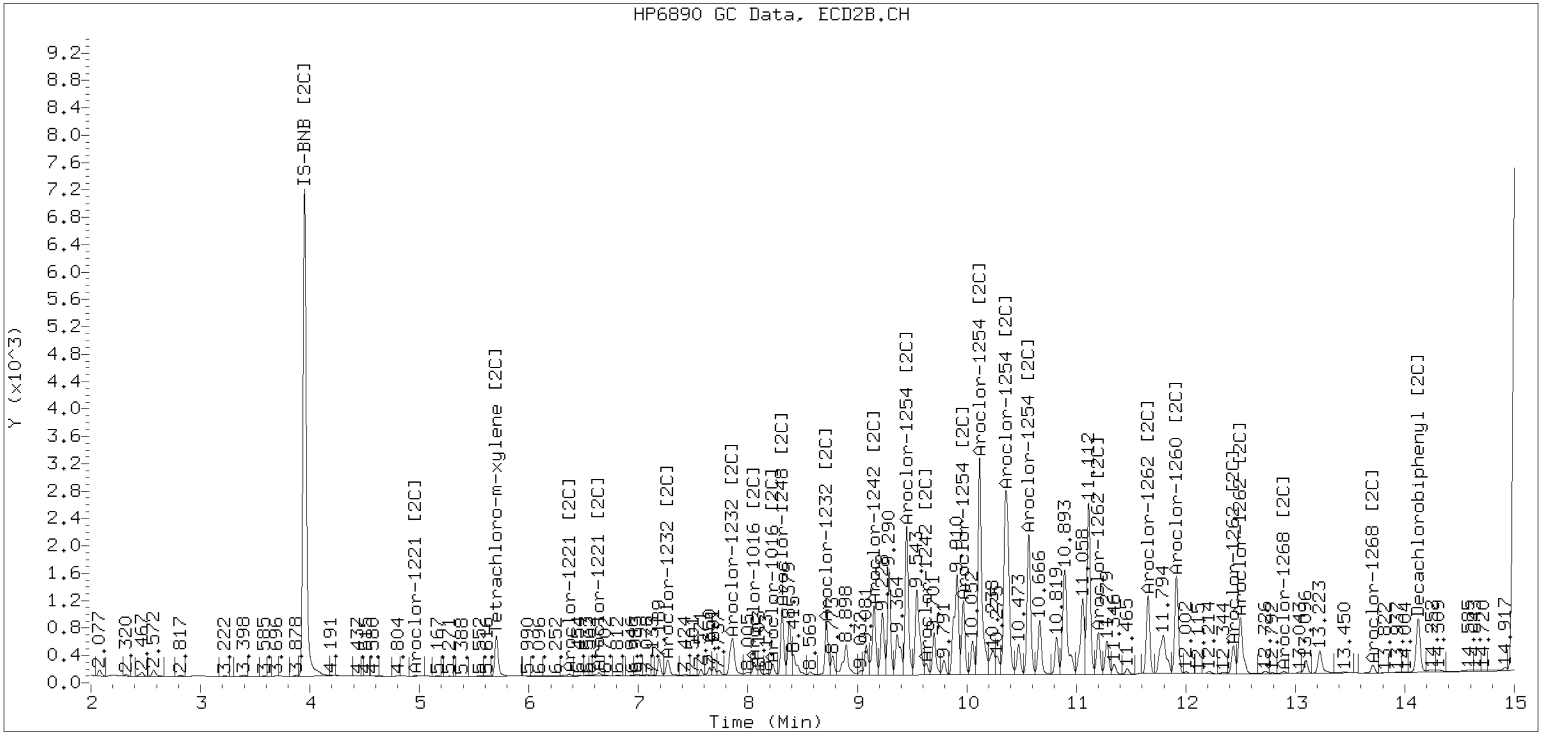
Manual Peak Adjustment, ZB-35

Datafile: ecd7.i/230110.b/230110.b/01102324ECD7.D Injection Date: 11-JAN-2023

Manual Integration (After)



Processed Integration (Before)



LDW22-SC783C

Dual Column

ORGANIC ANALYSIS DATA SHEET
EPA 8082A

Laboratory:	Analytical Resources, LLC			SDG:	22L0307
Client:	Anchor QEA, LLC				
Project:	AOC4 UR Phase 3				
Matrix:	Solid	Laboratory ID:	22L0307-61 B	File ID:	01072365ECD7.D
Sampled:	12/12/22 12:59	Prepared:	12/29/22 12:24	Analyzed:	01/08/23 08:06
% Solids:	66.60	Preparation:	EPA 3546 (Microwave)	Initial/Final:	18.77 g Wet / 2.5 mL
Batch:	BKL0584	Sequence:	SLA0099	Calibration:	FL00010
Instrument:	ECD7	Column 1:	ZB5	Column 2:	ZB35

CAS NO.	COMPOUND	Col #	DILUTION	CONC. (ug/kg dry)	MDL	MRL	Q
12674-11-2	Aroclor 1016	1	1	4.0	1.6	4.0	U
11104-28-2	Aroclor 1221	1	1	4.0	1.6	4.0	U
11141-16-5	Aroclor 1232	1	1	4.0	1.6	4.0	U
53469-21-9	Aroclor 1242	1	1	4.0	1.6	4.0	U
12672-29-6	Aroclor 1248	1	1	23.2	1.6	4.0	
11097-69-1	Aroclor 1254	1	1	32.0	1.6	4.0	
11096-82-5	Aroclor 1260	2	1	9.9	0.6	4.0	

SURROGATES	Col #	ADDED (ug/kg dry)	CONC (ug/kg dry)	% REC	QC LIMITS	Q
Decachlorobiphenyl	*1*	*7.9995*	*6.40*	*80.0*	*40 - 126*	
Tetrachlorometaxylene	*1*	*7.9995*	*4.78*	*59.8*	*44 - 120*	
Decachlorobiphenyl	*2*	*7.9995*	*5.70*	*71.3*	*40 - 126*	
Tetrachlorometaxylene	*2*	*7.9995*	*5.29*	*66.2*	*44 - 120*	

```
                                Analytical Resources Inc.
                           Dual Column 608/8082 PCB Quantitation Report

Data file 1: /230107.b/01072365ECD7.D                        ARI ID: 22L0307-61
Data file 2: /230107.b/230107.b/01072365ECD7.D               Client ID:
Method: \\target\share\chem4\ecd7.i\230107.b\PCB.m           Injection Date: 08-JAN-2023 08:06
Compound Sublist: PCB.sub                                    Report Date: 01/11/2023 15:13
Instrument, Inj. Vol.: ecd7.i, 2ul                           Matrix: NONE
Quant Method: Internal Std                                   Dilution Factor:  1.0



                                   SURROGATES

       ZB5 Col         |       ZB35 Col         |   ZB5    ZB35
  RT    Shift Response | RT    Shift  Response  |  on col  on col    RPD   Compound/Flag
=========================================================================================

 5.826 -0.007   154360 | 5.702  -0.007   109890|   23.9    26.5     10.1    Tetrachloro-m-xylene
13.895 -0.009   189312 |14.123  -0.005   179810|   32.0    28.5     11.5    Decachlorobiphenyl


*  Indicates RPD > 40%



                              INTERNAL STANDARD SUMMARY

                                          Column 1
                                   Standard    Sample
                  Standard Cpnd      Area*      Area      %D
               --------------------------------------------------
                 Bromo-Nitrobenzene    447645      455520    1.8
                 Hexabromobiphenyl     798898      645503  -19.2

                                          Column 2
                                   Standard    Sample
                  Standard Cpnd      Area*      Area      %D
               --------------------------------------------------
                 Bromo-Nitrobenzene    249094     302899    21.6
                 Hexabromobiphenyl     362541     444179    22.5


                * Standard Areas taken from Initial Cal Level 3
                  Initial Calibration Date: 03-DEC-2022
               <- Indicates standard response outside Limits (-50 to +100%)
```

```
//target/share/chem4/ecd7.i/230107.b/01072365ECD7.D      22L0307-61                    page 2
                            ZB5 Col                                ZB35 Col
 Aroclor    Peak#    RT    Shift    Area    Amount    Peak#   RT     Shift    Area   Amount
 ==========================================================================================
 Aroclor-1016 1      ---                      0.0      1     ---                      0.0
 Aroclor-1016 2      ---                      0.0      2     ---                      0.0
 Aroclor-1016 3      ---                      0.0      3     ---                      0.0
 Aroclor-1016 4      ---                      0.0      4     ---                      0.0
             Col1Ave: <3 Quant Peaks                  Col2Ave: <3 Quant Peaks

 Aroclor-1221 1      ---                      0.0      1     ---                      0.0
 Aroclor-1221 2      ---                      0.0      2     ---                      0.0
 Aroclor-1221 3      ---                      0.0      3     ---                      0.0
             Col1Ave: <3 Quant Peaks                  Col2Ave: <3 Quant Peaks

 Aroclor-1232 1      ---                      0.0      1     ---                      0.0
 Aroclor-1232 2      ---                      0.0      2     ---                      0.0
 Aroclor-1232 3      ---                      0.0      3     ---                      0.0
 Aroclor-1232 4      ---                      0.0      4     ---                      0.0
             Col1Ave: <3 Quant Peaks                  Col2Ave: <3 Quant Peaks

 Aroclor-1242 1      ---                      0.0      1     ---                      0.0
 Aroclor-1242 2      ---                      0.0      2     ---                      0.0
 Aroclor-1242 3      ---                      0.0      3     ---                      0.0
 Aroclor-1242 4      ---                      0.0      4     ---                      0.0
             Col1Ave: <3 Quant Peaks                  Col2Ave: <3 Quant Peaks

 Aroclor-1248 1   8.411  -0.014     17300    88.3      1    8.313  -0.010    13599   109.9
 Aroclor-1248 2   8.580  -0.023     13433    53.7      2    8.719  -0.009    10867    83.5
 Aroclor-1248 3   8.998  -0.021     43557    96.8      3    9.152  -0.027    15740    99.4
 Aroclor-1248 4   9.300  -0.013     49768   225.8      4    9.544  -0.058    19485   104.8
       Total Col1Ave (4 peaks):   116.2       Total Col2Ave (4 peaks):    99.4   RPD = 16
       Corrected Ave (3 peaks):    79.6       Corrected Ave (3 peaks):    95.9   RPD = 19

 Aroclor-1254 1   9.300  -0.011     49768   124.1      1    9.450  -0.011    32017   163.9
 Aroclor-1254 2   9.375  -0.013     22413   143.7      2    9.968  -0.013    11202    71.3
 Aroclor-1254 3   9.678  -0.001     38684   152.7      3   10.114  -0.019    43731   129.6
 Aroclor-1254 4   9.801  -0.013     79772   161.6      4   10.360  -0.022    55595   159.1
 Aroclor-1254 5  10.141  -0.026     73679   217.7      5   10.565  -0.013    31134   184.7
       Total Col1Ave (5 peaks):   159.9       Total Col2Ave (5 peaks):   141.7   RPD = 12
       Corrected Ave (4 peaks):   145.5       Corrected Ave (4 peaks):   131.0   RPD = 11

 Aroclor-1260 1  11.045  -0.015     13739    58.5      1   11.654  -0.009    15169    64.7
 Aroclor-1260 2  11.361  -0.015     10820    44.5      2   11.915  -0.013    21389    36.4
 Aroclor-1260 3  11.730  -0.020     25141    39.4      3   12.433  -0.013     8878    56.7
 Aroclor-1260 4  12.131  -0.023     13471    41.4      4   12.497  -0.015    15501    39.5
 Aroclor-1260 5  12.245  -0.011      7603    57.1     NS    ---                      ----
       Total Col1Ave (5 peaks):    48.2       Total Col2Ave (4 peaks):    49.3   RPD = 2
       Corrected Ave (4 peaks):    45.6       Corrected Ave (3 peaks):    44.2   RPD = 3

 Aroclor-1262 1      ---                      0.0      1     ---                      0.0
 Aroclor-1262 2      ---                      0.0      2     ---                      0.0
 Aroclor-1262 3      ---                      0.0      3     ---                      0.0
 Aroclor-1262 4      ---                      0.0      4     ---                      0.0
             Col1Ave: <3 Quant Peaks                  Col2Ave: <3 Quant Peaks

 Aroclor-1268 1      ---                      0.0      1     ---                      0.0
 Aroclor-1268 2      ---                      0.0      2     ---                      0.0
 Aroclor-1268 3      ---                      0.0      3     ---                      0.0
 Aroclor-1268 4      ---                      0.0      4     ---                      0.0
             Col1Ave: <3 Quant Peaks                  Col2Ave: <3 Quant Peaks
```

```
Total PCB Area Col1 (5.933 - 13.804) =    1054513     Col1 Total PCB = 0.2 ppm*

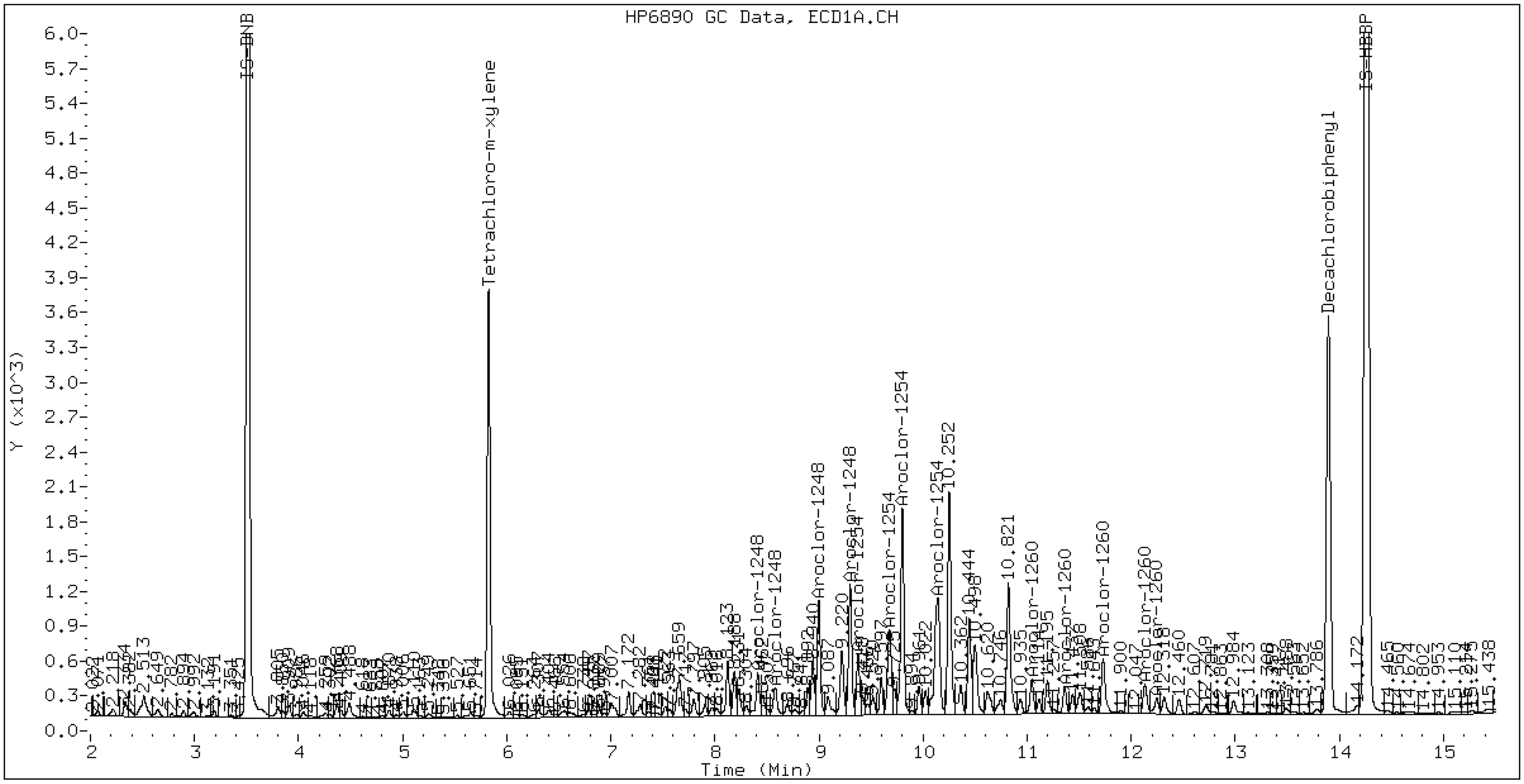
Total PCB Area Col2 (5.809 - 14.028) =     767455     Col2 Total PCB = 0.3 ppm*


  *  Quantitated against AR1660 0.25ppm in Ical


                                    PCB-Form 10 Mod.
```

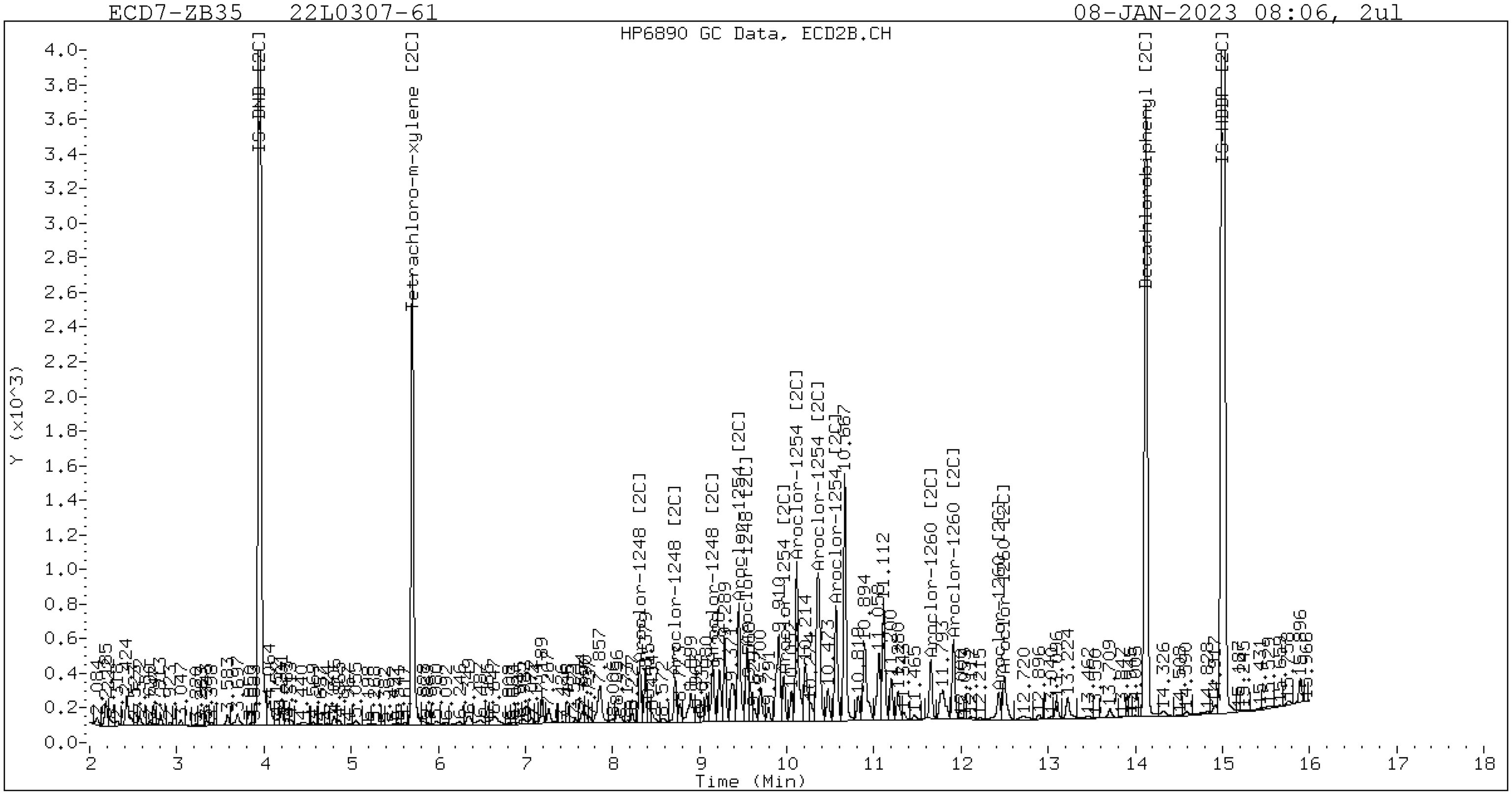
PCB Dual Column Chromatograms

ECD7-ZB5 22L0307-61 08-JAN-2023 08:06, 2ul



ZB-5 Manual Integration: NO

ECD7-ZB35 22L0307-61 08-JAN-2023 08:06, 2ul

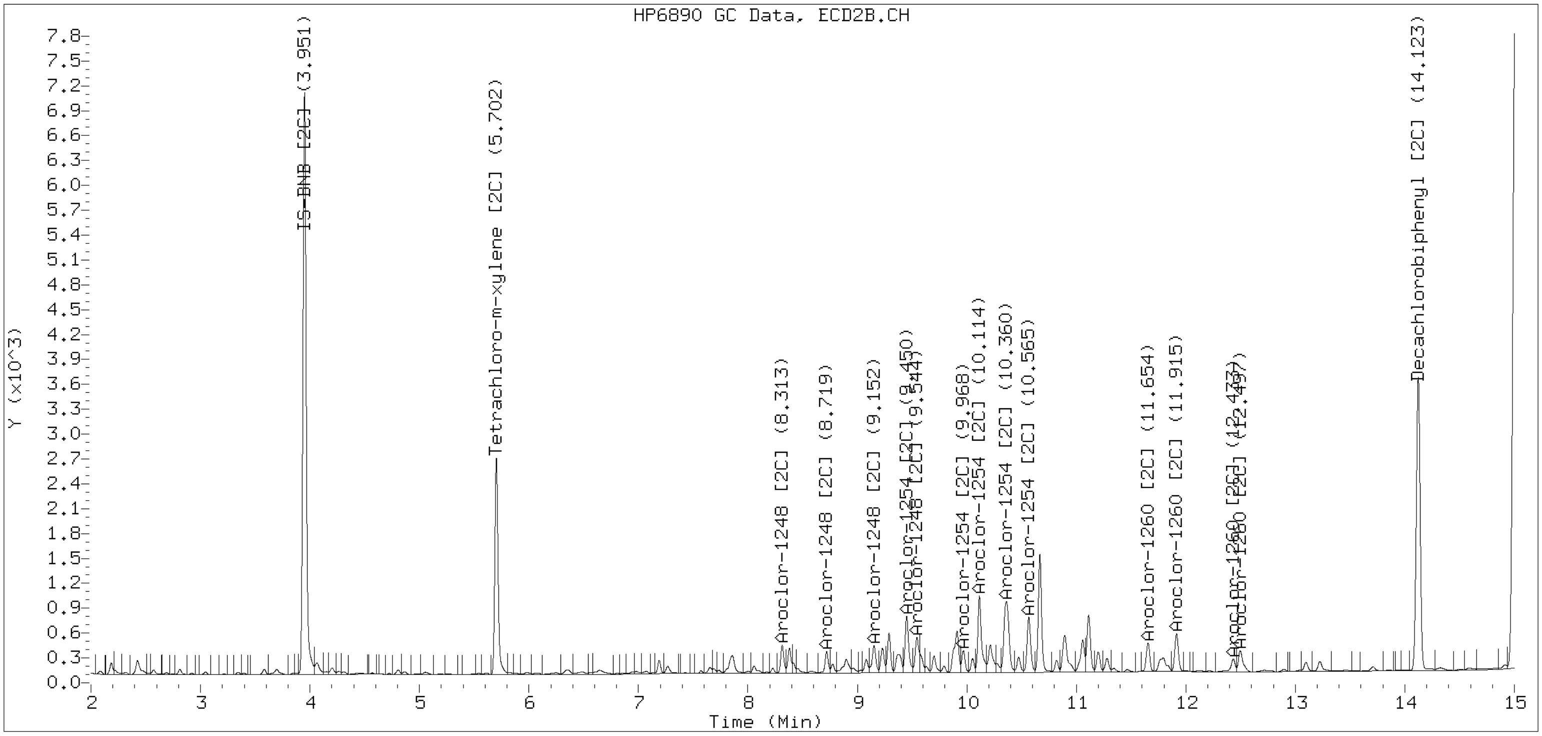


ZB-35 Manual Integration: YES

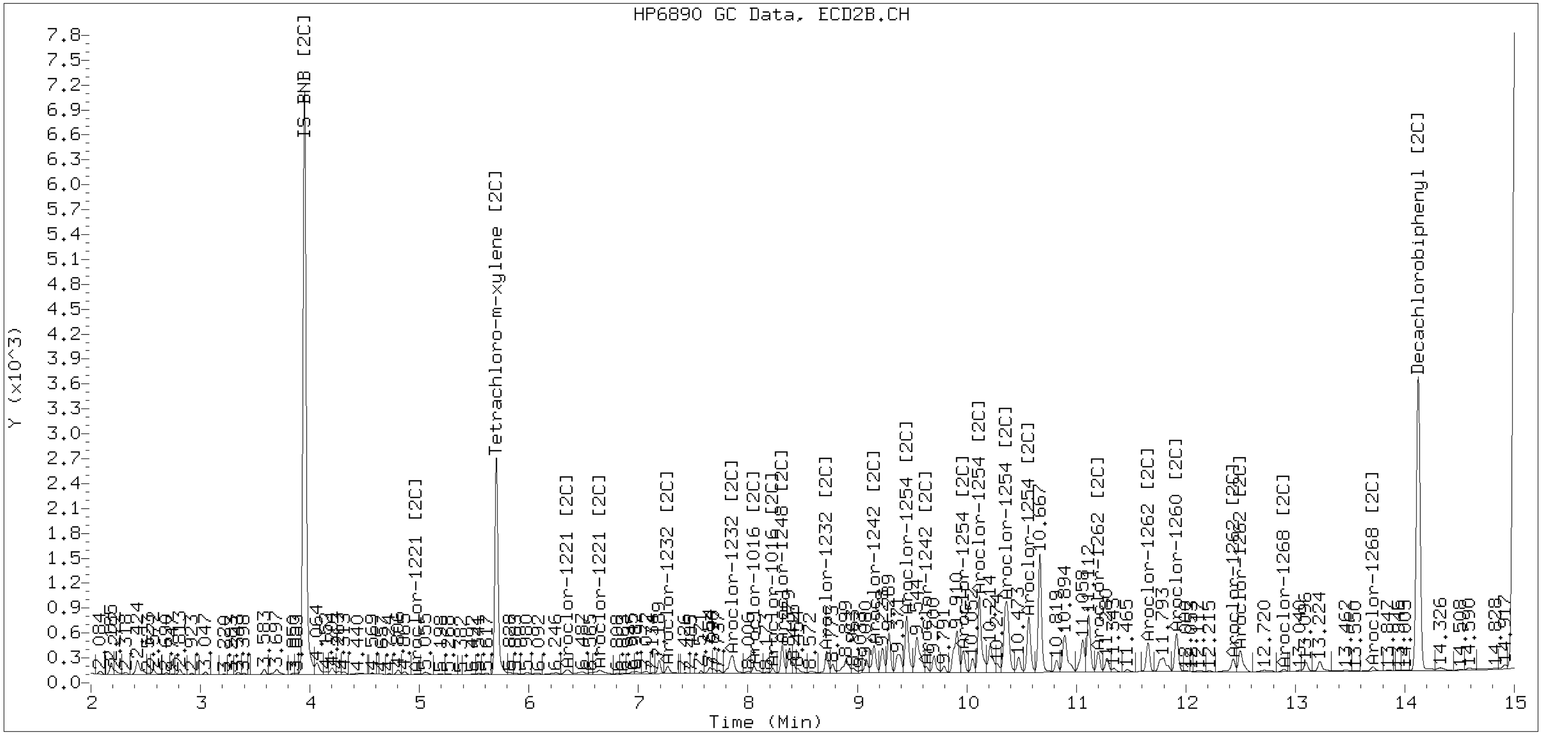
Manual Peak Adjustment, ZB-35

Datafile: ecd7.i/230107.b/230107.b/01072365ECD7.D   Injection Date: 08-JAN-2023

Manual Integration (After)



Processed Integration (Before)



LDW22-SC783D

Dual Column

ORGANIC ANALYSIS DATA SHEET
EPA 8082A

Laboratory:	Analytical Resources, LLC			SDG:	22L0307
Client:	Anchor QEA, LLC				
Project:	AOC4 UR Phase 3				
Matrix:	Solid	Laboratory ID:	22L0307-62 B	File ID:	01112363ECD7.D
Sampled:	12/12/22 12:59	Prepared:	12/29/22 12:24	Analyzed:	01/12/23 06:41
% Solids:	57.54	Preparation:	EPA 3546 (Microwave)	Initial/Final:	21.82 g Wet / 2.5 mL
Batch:	BKL0584	Sequence:	SLA0136	Calibration:	FL00010
Instrument:	ECD7	Column 1:	ZB5	Column 2:	ZB35

CAS NO.	COMPOUND	Col #	DILUTION	CONC. (ug/kg dry)	MDL	MRL	Q
12674-11-2	Aroclor 1016	1	5	19.9	7.8	19.9	U
11104-28-2	Aroclor 1221	1	5	19.9	7.8	19.9	U
11141-16-5	Aroclor 1232	1	5	19.9	7.8	19.9	U
53469-21-9	Aroclor 1242	1	5	19.9	7.8	19.9	U
12672-29-6	Aroclor 1248	1	5	285	7.8	19.9	D
11097-69-1	Aroclor 1254	2	5	353	7.8	19.9	D
11096-82-5	Aroclor 1260	2	5	139	2.9	19.9	D

SURROGATES	Col #	ADDED (ug/kg dry)	CONC (ug/kg dry)	% REC	QC LIMITS	Q
Decachlorobiphenyl	*1*	*7.9648*	*7.78*	*97.7*	*40 - 126*	
Tetrachlorometaxylene	*1*	*7.9648*	*5.95*	*74.7*	*44 - 120*	
Decachlorobiphenyl	*2*	*7.9648*	*7.08*	*88.9*	*40 - 126*	
Tetrachlorometaxylene	*2*	*7.9648*	*6.29*	*79.0*	*44 - 120*	

```
                              Analytical Resources Inc.
                         Dual Column 608/8082 PCB Quantitation Report

 Data file 1: /230111.b/01112363ECD7.D                    ARI ID: 22L0307-62RE1
 Data file 2: /230111.b/230111.b/01112363ECD7.D           Client ID:
 Method: \\target\share\chem4\ecd7.i\230111.b\PCB.m       Injection Date: 12-JAN-2023 06:41
 Compound Sublist: PCB.sub                                Report Date: 01/14/2023 13:22
 Instrument, Inj. Vol.: ecd7.i, 2ul                       Matrix: NONE
 Quant Method: Internal Std                               Dilution Factor:  5.0



                                   SURROGATES

        ZB5 Col         |       ZB35 Col         |   ZB5    ZB35
   RT    Shift Response | RT    Shift  Response  |  on col  on col    RPD   Compound/Flag
 ==========================================================================================

  5.828 -0.003    32719 | 5.704  -0.003    25104|    6.0     6.3      5.7    Tetrachloro-m-xylene
 13.894 -0.008    36651 |14.122  -0.005    39373|    7.8     7.1      9.5    Decachlorobiphenyl


*  Indicates RPD > 40%




                              INTERNAL STANDARD SUMMARY

                                         Column 1
                                   Standard    Sample
                  Standard Cpnd      Area*       Area      %D
               --------------------------------------------------
                 Bromo-Nitrobenzene    447645      386511  -13.7
                 Hexabromobiphenyl     798898      511490  -36.0

                                         Column 2
                                   Standard    Sample
                  Standard Cpnd      Area*       Area      %D
               --------------------------------------------------
                 Bromo-Nitrobenzene    249094     289723    16.3
                 Hexabromobiphenyl     362541     390008     7.6


                * Standard Areas taken from Initial Cal Level 3
                  Initial Calibration Date: 03-DEC-2022
               <- Indicates standard response outside Limits (-50 to +100%)
```

```
//target/share/chem4/ecd7.i/230111.b/01112363ECD7.D      22L0307-62RE1                        page 2
                            ZB5 Col                                ZB35 Col
 Aroclor   Peak#    RT    Shift    Area    Amount    Peak#   RT     Shift    Area   Amount
 ========================================================================================
 Aroclor-1016 1      ---                    0.0      1     ---                    0.0
 Aroclor-1016 2      ---                    0.0      2     ---                    0.0
 Aroclor-1016 3      ---                    0.0      3     ---                    0.0
 Aroclor-1016 4      ---                    0.0      4     ---                    0.0
             Col1Ave: <3 Quant Peaks                   Col2Ave: <3 Quant Peaks

 Aroclor-1221 1      ---                    0.0      1     ---                    0.0
 Aroclor-1221 2      ---                    0.0      2     ---                    0.0
 Aroclor-1221 3      ---                    0.0      3     ---                    0.0
             Col1Ave: <3 Quant Peaks                   Col2Ave: <3 Quant Peaks

 Aroclor-1232 1      ---                    0.0      1     ---                    0.0
 Aroclor-1232 2      ---                    0.0      2     ---                    0.0
 Aroclor-1232 3      ---                    0.0      3     ---                    0.0
 Aroclor-1232 4      ---                    0.0      4     ---                    0.0
             Col1Ave: <3 Quant Peaks                   Col2Ave: <3 Quant Peaks

 Aroclor-1242 1      ---                    0.0      1     ---                    0.0
 Aroclor-1242 2      ---                    0.0      2     ---                    0.0
 Aroclor-1242 3      ---                    0.0      3     ---                    0.0
 Aroclor-1242 4      ---                    0.0      4     ---                    0.0
             Col1Ave: <3 Quant Peaks                   Col2Ave: <3 Quant Peaks

 Aroclor-1248 1   8.412  -0.012     37627   226.4      1    8.313  -0.007    39373   332.7
 Aroclor-1248 2   8.581  -0.018     29266   137.9      2    8.719  -0.008    30709   246.7
 Aroclor-1248 3   8.999  -0.016     88828   232.7      3    9.152  -0.022    34986   231.0
 Aroclor-1248 4   9.300  -0.010    102726   549.3      4    9.544  -0.053    49290   ~~277.3~~
       Total Col1Ave (4 peaks):   286.6       Total Col2Ave (4 peaks):   271.9   RPD = 5
       Corrected Ave (3 peaks):   199.0       Corrected Ave (3 peaks):   251.7   RPD = 23
                                                                       270.13
 Aroclor-1254 1   9.300  -0.016    102726   301.9      1    9.450  -0.010    65221   349.2
 Aroclor-1254 2   9.376  -0.018     47388   358.1      2    9.968  -0.012    28179   187.6
 Aroclor-1254 3   9.669  -0.017     54483   253.5      3   10.117  -0.015   122282   378.8
 Aroclor-1254 4   9.801  -0.024    145933   348.3      4   10.361  -0.019   134607   402.6
 Aroclor-1254 5  10.138  -0.053    161003   ~~560.6~~      5   10.565  -0.012    73201   454.0
       Total Col1Ave (5 peaks):   ~~364.5~~       Total Col2Ave (5 peaks):   354.4   RPD = 3
       Corrected Ave (4 peaks):   315.4       Corrected Ave (4 peaks):   329.6   RPD = 4

 Aroclor-1260 1  11.045  -0.013     31038   166.7      1   11.654  -0.008    40880   198.6
 Aroclor-1260 2  11.361  -0.013     25496   132.4      2   11.913  -0.012    58626   113.5
 Aroclor-1260 3  11.730  -0.017     60634   119.8      3   12.433  -0.011    17600   127.9
 Aroclor-1260 4  12.131  -0.022     34673   134.6      4   12.497  -0.012    40727   118.3
 Aroclor-1260 5  12.244  -0.012     13936   132.1      NS    ---                     ----
       Total Col1Ave (5 peaks):   137.1       Total Col2Ave (4 peaks):   139.6   RPD = 2
       Corrected Ave (4 peaks):   129.7       Corrected Ave (3 peaks):   119.9   RPD = 8

 Aroclor-1262 1      ---                    0.0      1     ---                    0.0
 Aroclor-1262 2      ---                    0.0      2     ---                    0.0
 Aroclor-1262 3      ---                    0.0      3     ---                    0.0
 Aroclor-1262 4      ---                    0.0      4     ---                    0.0
             Col1Ave: <3 Quant Peaks                   Col2Ave: <3 Quant Peaks

 Aroclor-1268 1      ---                    0.0      1     ---                    0.0
 Aroclor-1268 2      ---                    0.0      2     ---                    0.0
 Aroclor-1268 3      ---                    0.0      3     ---                    0.0
 Aroclor-1268 4      ---                    0.0      4     ---                    0.0
             Col1Ave: <3 Quant Peaks                   Col2Ave: <3 Quant Peaks
```

```
Total PCB Area Col1 (5.931 - 13.802) =    1985691     Col1 Total PCB = 0.5 ppm*

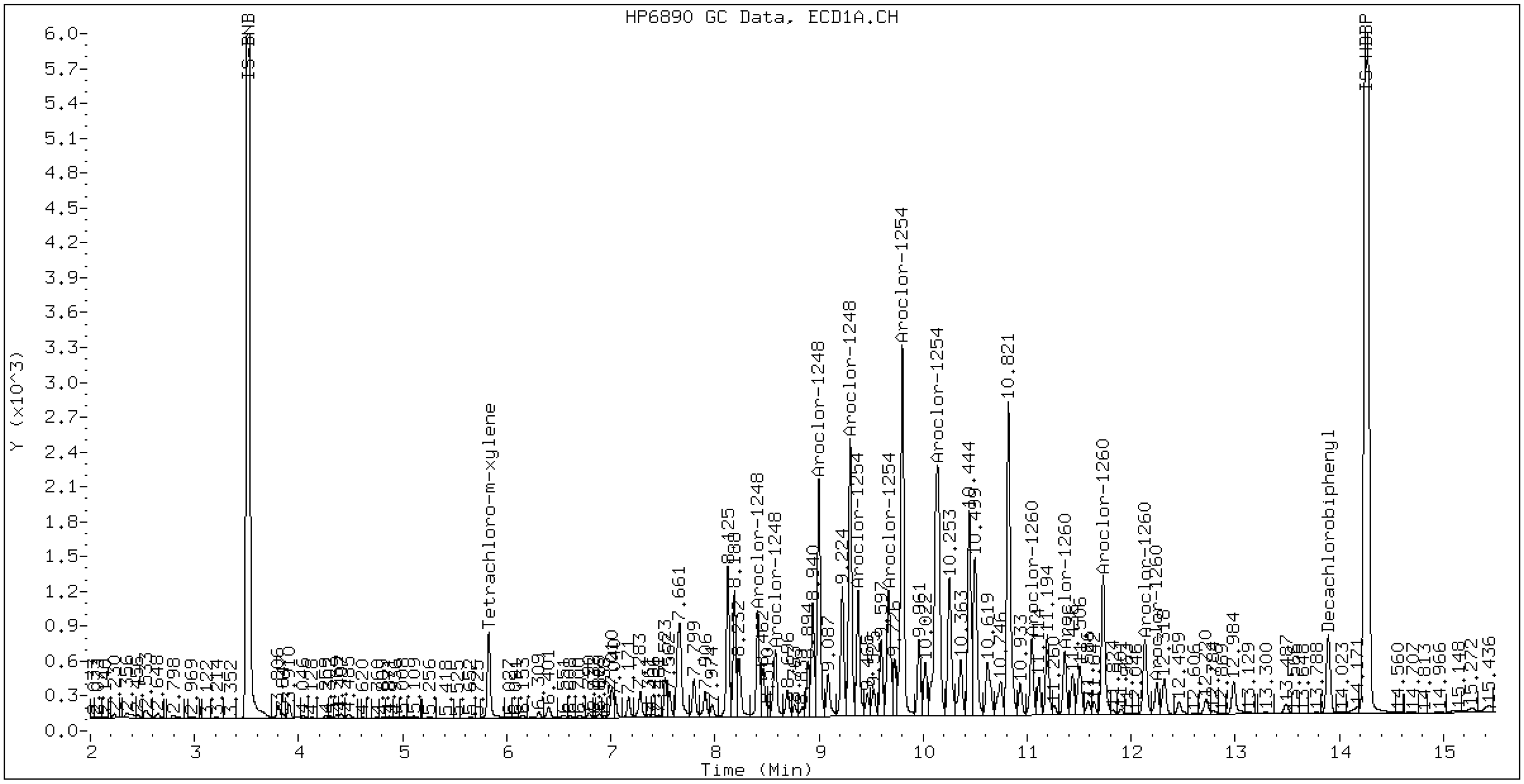
Total PCB Area Col2 (5.807 - 14.027) =    1616775     Col2 Total PCB = 0.6 ppm*

  *  Quantitated against AR1660 0.25ppm in Ical
```

PCB-Form 10 Mod.

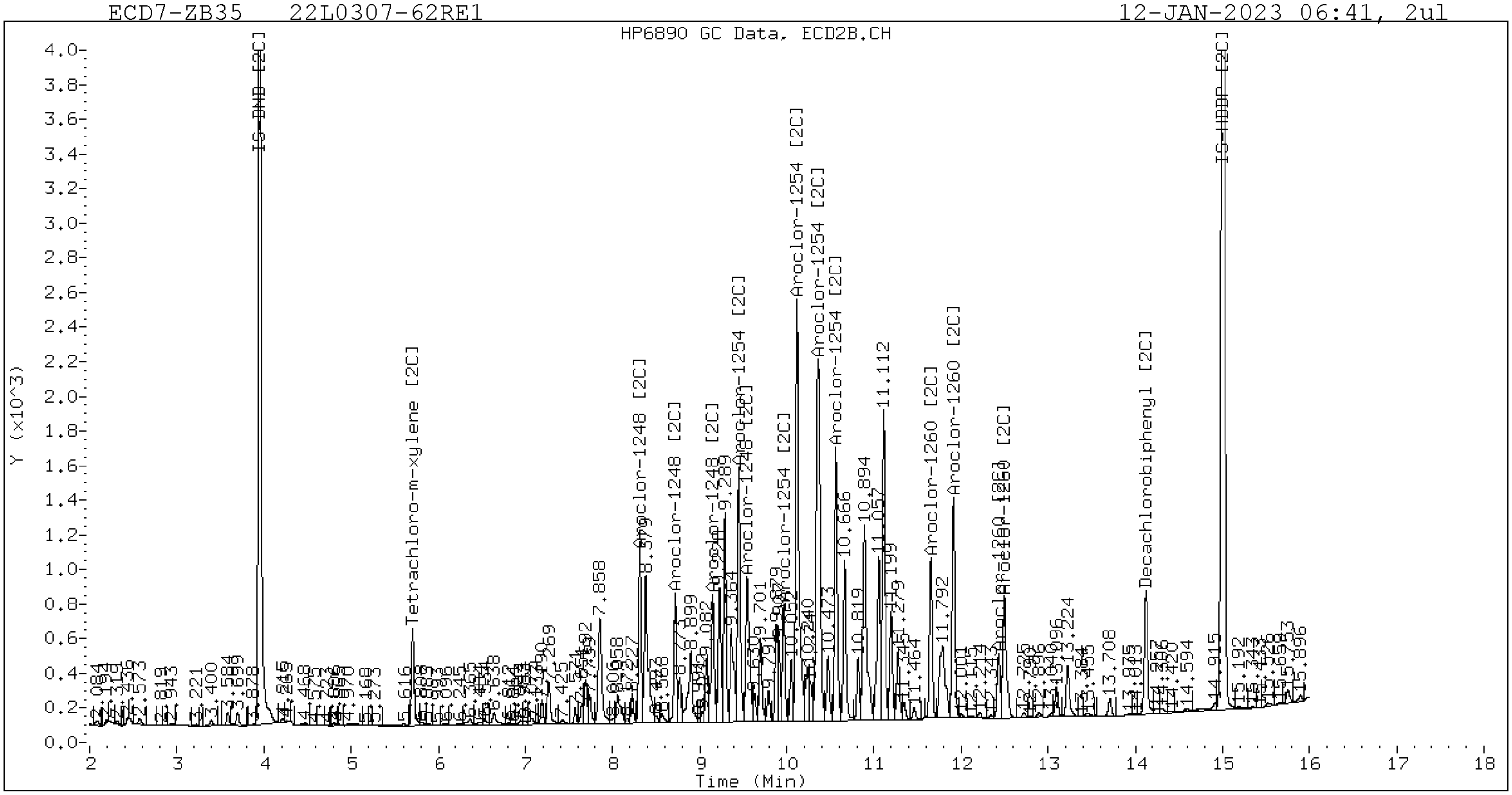
PCB Dual Column Chromatograms

ECD7-ZB5 22L0307-62RE1 12-JAN-2023 06:41, 2ul



ZB-5 Manual Integration: NO

ECD7-ZB35 22L0307-62RE1 12-JAN-2023 06:41, 2ul

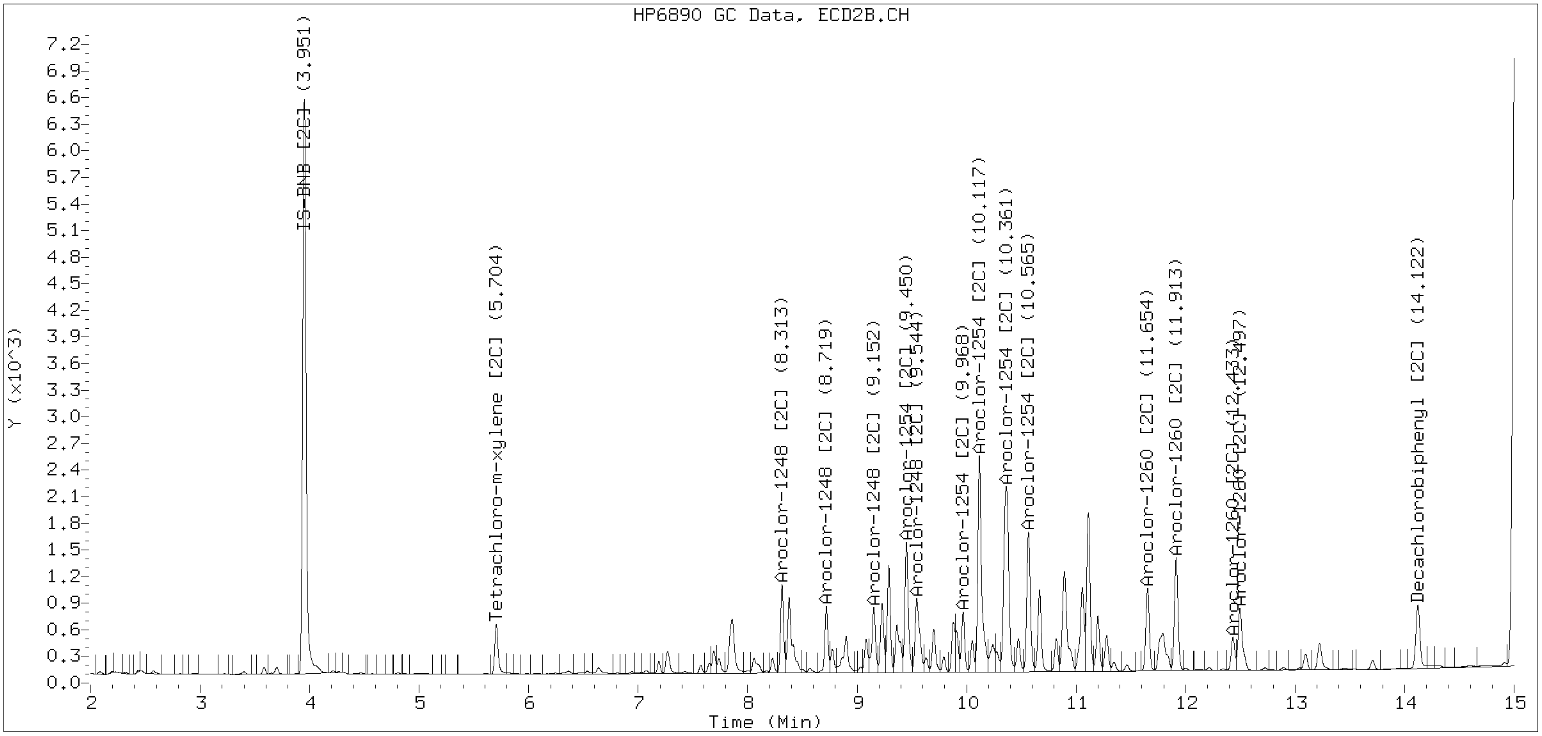


ZB-35 Manual Integration: YES

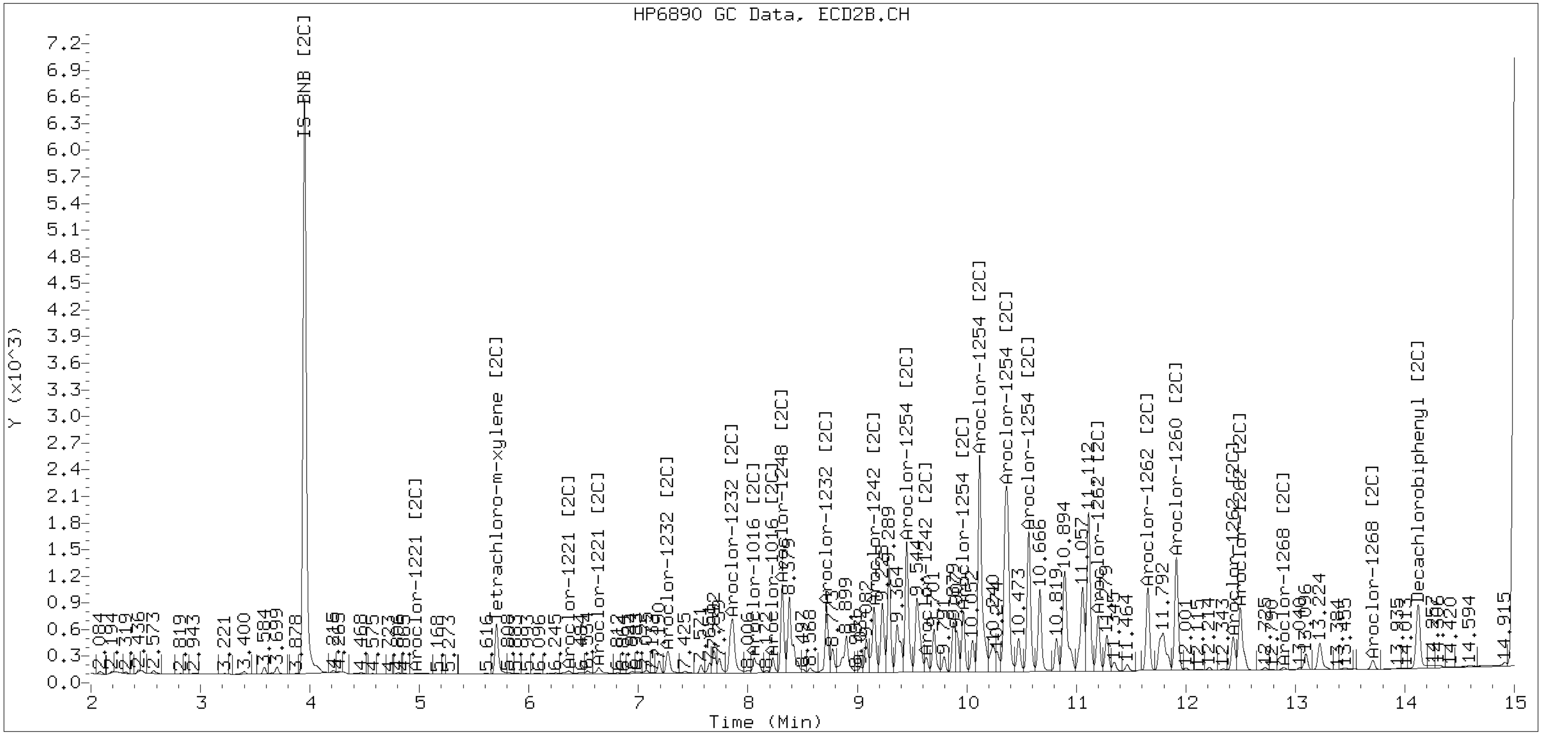
Manual Peak Adjustment, ZB-35

Datafile: ecd7.i/230111.b/230111.b/01112363ECD7.D   Injection Date: 12-JAN-2023

Manual Integration (After)



Processed Integration (Before)



LDW22-SC783E

Dual Column

ORGANIC ANALYSIS DATA SHEET
EPA 8082A

Laboratory:	Analytical Resources, LLC			SDG:	22L0307
Client:	Anchor QEA, LLC				
Project:	AOC4 UR Phase 3				
Matrix:	Solid	Laboratory ID:	22L0307-63 B	File ID:	01072367ECD7.D
Sampled:	12/12/22 12:59	Prepared:	12/29/22 12:24	Analyzed:	01/08/23 08:48
% Solids:	64.33	Preparation:	EPA 3546 (Microwave)	Initial/Final:	19.41 g Wet / 2.5 mL
Batch:	BKL0584	Sequence:	SLA0099	Calibration:	FL00010
Instrument:	ECD7	Column 1:	ZB5	Column 2:	ZB35

CAS NO.	COMPOUND	Col #	DILUTION	CONC. (ug/kg dry)	MDL	MRL	Q
12674-11-2	Aroclor 1016	1	1	4.0	1.6	4.0	U
11104-28-2	Aroclor 1221	1	1	4.0	1.6	4.0	U
11141-16-5	Aroclor 1232	1	1	4.0	1.6	4.0	U
53469-21-9	Aroclor 1242	1	1	4.0	1.6	4.0	U
12672-29-6	Aroclor 1248	1	1	40.1	1.6	4.0	
11097-69-1	Aroclor 1254	2	1	57.2	1.6	4.0	
11096-82-5	Aroclor 1260	1	1	20.5	0.6	4.0	

SURROGATES	Col #	ADDED (ug/kg dry)	CONC (ug/kg dry)	% REC	QC LIMITS	Q
Decachlorobiphenyl	*1*	*8.0087*	*7.27*	*90.7*	*40 - 126*	
Tetrachlorometaxylene	*1*	*8.0087*	*5.05*	*63.0*	*44 - 120*	
Decachlorobiphenyl	*2*	*8.0087*	*6.67*	*83.2*	*40 - 126*	
Tetrachlorometaxylene	*2*	*8.0087*	*5.82*	*72.7*	*44 - 120*	

```
                              Analytical Resources Inc.
                         Dual Column 608/8082 PCB Quantitation Report

 Data file 1: /230107.b/01072367ECD7.D                    ARI ID: 22L0307-63
 Data file 2: /230107.b/230107.b/01072367ECD7.D           Client ID:
 Method: \\target\share\chem4\ecd7.i\230107.b\PCB.m      Injection Date: 08-JAN-2023 08:48
 Compound Sublist: PCB.sub                                Report Date: 01/11/2023 15:13
 Instrument, Inj. Vol.: ecd7.i, 2ul                       Matrix: NONE
 Quant Method: Internal Std                               Dilution Factor:  1.0



                                 SURROGATES

       ZB5 Col          |       ZB35 Col         |   ZB5    ZB35
   RT    Shift Response | RT    Shift  Response  |  on col  on col    RPD   Compound/Flag
 ==========================================================================================

  5.826 -0.007   157804 | 5.703  -0.006   114497|   25.2    29.1     14.2    Tetrachloro-m-xylene
 13.894 -0.009   179577 |14.121  -0.007   184658|   36.3    33.3      8.6    Decachlorobiphenyl


*  Indicates RPD > 40%



                            INTERNAL STANDARD SUMMARY

                                        Column 1
                                 Standard    Sample
                  Standard Cpnd       Area*       Area      %D
              --------------------------------------------------
                Bromo-Nitrobenzene    447645      441631   -1.3
                Hexabromobiphenyl     798898      539776  -32.4

                                        Column 2
                                 Standard    Sample
                  Standard Cpnd       Area*       Area      %D
              --------------------------------------------------
                Bromo-Nitrobenzene    249094     287377    15.4
                Hexabromobiphenyl     362541     390578     7.7


               * Standard Areas taken from Initial Cal Level 3
                 Initial Calibration Date: 03-DEC-2022
              <- Indicates standard response outside Limits (-50 to +100%)
```

```
                        ZB5 Col                                 ZB35 Col
 Aroclor   Peak#    RT    Shift    Area    Amount    Peak#   RT     Shift    Area   Amount
 ========================================================================================
 Aroclor-1016 1      ---                     0.0      1     ---                      0.0
 Aroclor-1016 2      ---                     0.0      2     ---                      0.0
 Aroclor-1016 3      ---                     0.0      3     ---                      0.0
 Aroclor-1016 4      ---                     0.0      4     ---                      0.0
            Col1Ave: <3 Quant Peaks                    Col2Ave: <3 Quant Peaks

 Aroclor-1221 1      ---                     0.0      1     ---                      0.0
 Aroclor-1221 2      ---                     0.0      2     ---                      0.0
 Aroclor-1221 3      ---                     0.0      3     ---                      0.0
            Col1Ave: <3 Quant Peaks                    Col2Ave: <3 Quant Peaks

 Aroclor-1232 1      ---                     0.0      1     ---                      0.0
 Aroclor-1232 2      ---                     0.0      2     ---                      0.0
 Aroclor-1232 3      ---                     0.0      3     ---                      0.0
 Aroclor-1232 4      ---                     0.0      4     ---                      0.0
            Col1Ave: <3 Quant Peaks                    Col2Ave: <3 Quant Peaks

 Aroclor-1242 1      ---                     0.0      1     ---                      0.0
 Aroclor-1242 2      ---                     0.0      2     ---                      0.0
 Aroclor-1242 3      ---                     0.0      3     ---                      0.0
 Aroclor-1242 4      ---                     0.0      4     ---                      0.0
            Col1Ave: <3 Quant Peaks                    Col2Ave: <3 Quant Peaks

 Aroclor-1248 1   8.411  -0.014     25000   131.7      1    8.312  -0.011    25572   217.8
 Aroclor-1248 2   8.579  -0.024     18863    77.8      2    8.717  -0.011    18369   148.8
 Aroclor-1248 3   8.996  -0.022     75601   173.3      3    9.149  -0.029    24364   162.2
 Aroclor-1248 4   9.298  -0.015     89228   417.6      4    9.540  -0.061    34619   ~~196.3~~
      Total Col1Ave (4 peaks):   200.1      Total Col2Ave (4 peaks):   181.3   RPD = 10
      Corrected Ave (3 peaks):   127.6      Corrected Ave (3 peaks):   169.1   RPD = 28
                                                                    176.27
 Aroclor-1254 1   9.298  -0.013     89228   229.5      1    9.448  -0.013    56230   303.5
 Aroclor-1254 2   9.374  -0.014     39838   263.4      2    9.967  -0.014    23095   155.0
 Aroclor-1254 3   9.673  -0.006     62113   252.9      3   10.114  -0.019    92076   287.6
 Aroclor-1254 4   9.799  -0.016    135870   283.8      4   10.355  -0.028   106398   320.9
 Aroclor-1254 5  10.140  -0.028     82848   252.5      5   10.564  -0.014    58007   362.7
      Total Col1Ave (5 peaks):   256.4      Total Col2Ave (5 peaks):   285.9   RPD = 11
      Corrected Ave (4 peaks):   249.6      Corrected Ave (4 peaks):   266.7   RPD = 7

 Aroclor-1260 1  11.043  -0.017     23586   120.0      1   11.653  -0.010    29501   143.1
 Aroclor-1260 2  11.359  -0.016     19780    97.3      2   11.914  -0.014    41110    79.5
 Aroclor-1260 3  11.728  -0.022     45613    85.4      3   12.433  -0.013    13960   101.3
 Aroclor-1260 4  12.130  -0.024     26899    98.9      4   12.497  -0.015    29509    85.6
 Aroclor-1260 5  12.244  -0.013     12341   110.9      NS    ---                     ----
      Total Col1Ave (5 peaks):   102.5      Total Col2Ave (4 peaks):   102.4   RPD = 0
      Corrected Ave (4 peaks):    98.1      Corrected Ave (3 peaks):    88.8   RPD = 10

 Aroclor-1262 1      ---                     0.0      1     ---                      0.0
 Aroclor-1262 2      ---                     0.0      2     ---                      0.0
 Aroclor-1262 3      ---                     0.0      3     ---                      0.0
 Aroclor-1262 4      ---                     0.0      4     ---                      0.0
            Col1Ave: <3 Quant Peaks                    Col2Ave: <3 Quant Peaks

 Aroclor-1268 1      ---                     0.0      1     ---                      0.0
 Aroclor-1268 2      ---                     0.0      2     ---                      0.0
 Aroclor-1268 3      ---                     0.0      3     ---                      0.0
 Aroclor-1268 4      ---                     0.0      4     ---                      0.0
            Col1Ave: <3 Quant Peaks                    Col2Ave: <3 Quant Peaks
```

Total PCB Area Col1 (5.933 - 13.804) =   1823107   Col1 Total PCB = 0.4 ppm*

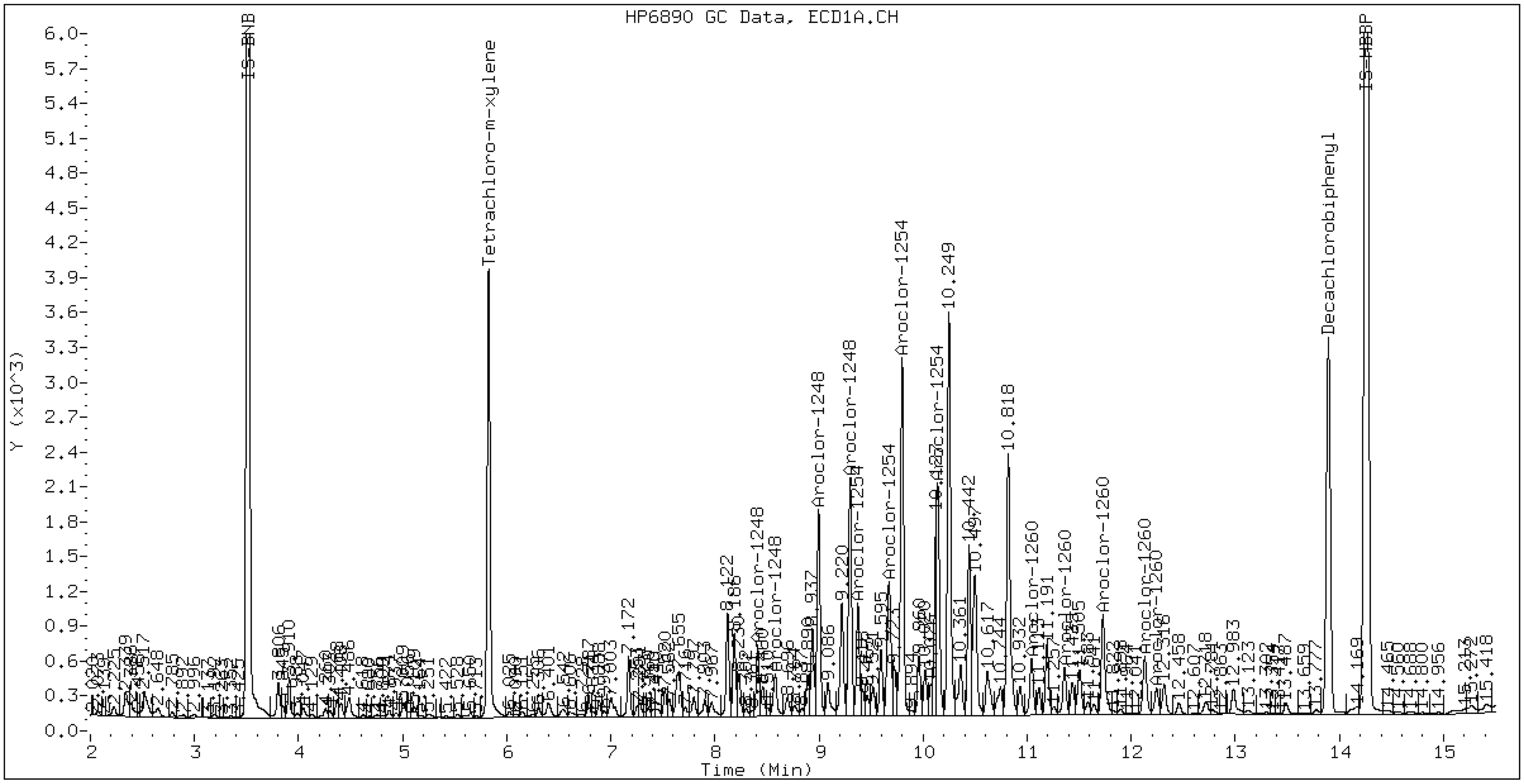
Total PCB Area Col2 (5.809 - 14.028) =   1363743   Col2 Total PCB = 0.5 ppm*

* Quantitated against AR1660 0.25ppm in Ical

PCB-Form 10 Mod.

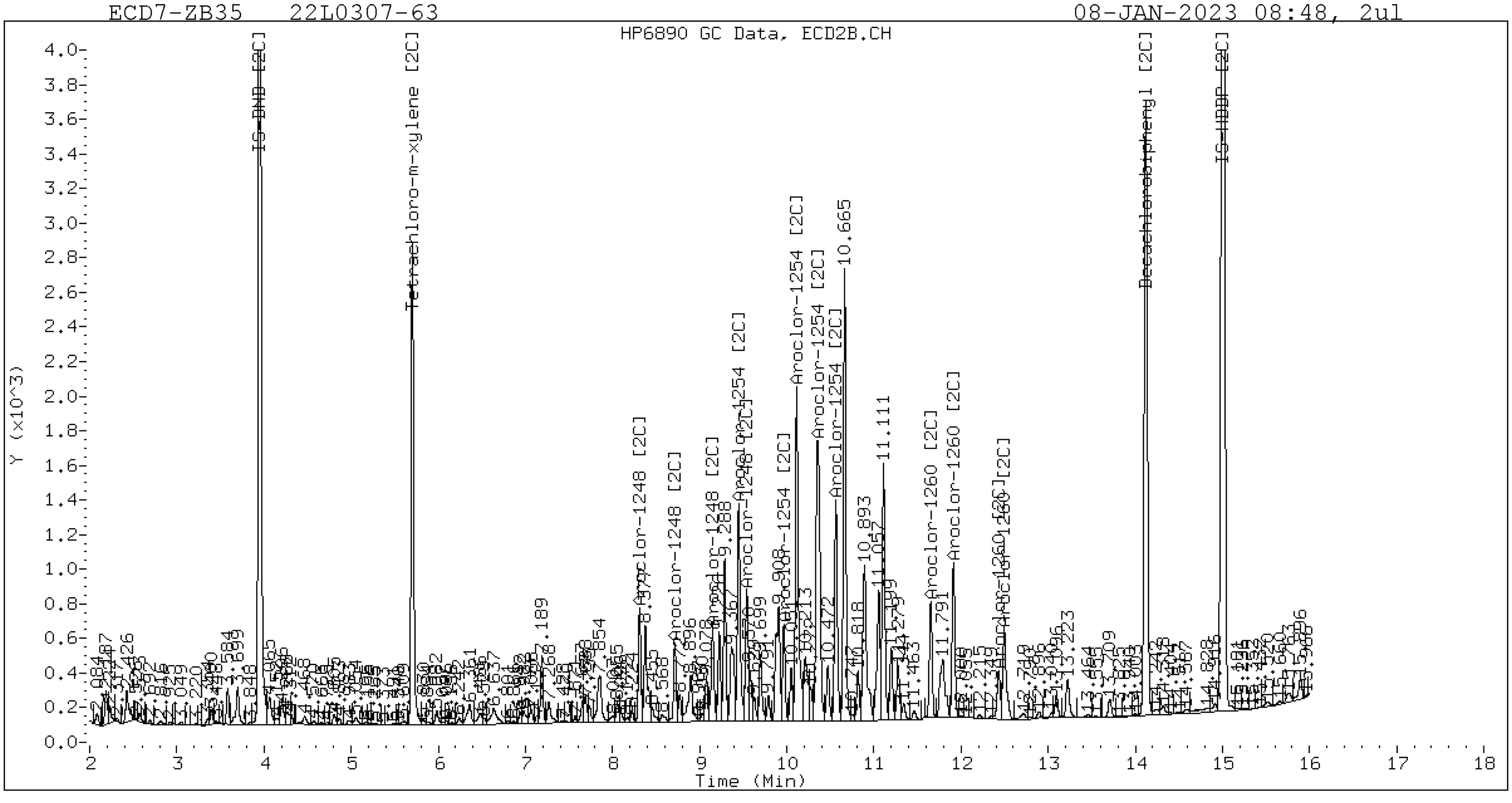
PCB Dual Column Chromatograms

ECD7-ZB5 22L0307-63 08-JAN-2023 08:48, 2ul



ZB-5 Manual Integration: YES

ECD7-ZB35 22L0307-63 08-JAN-2023 08:48, 2ul

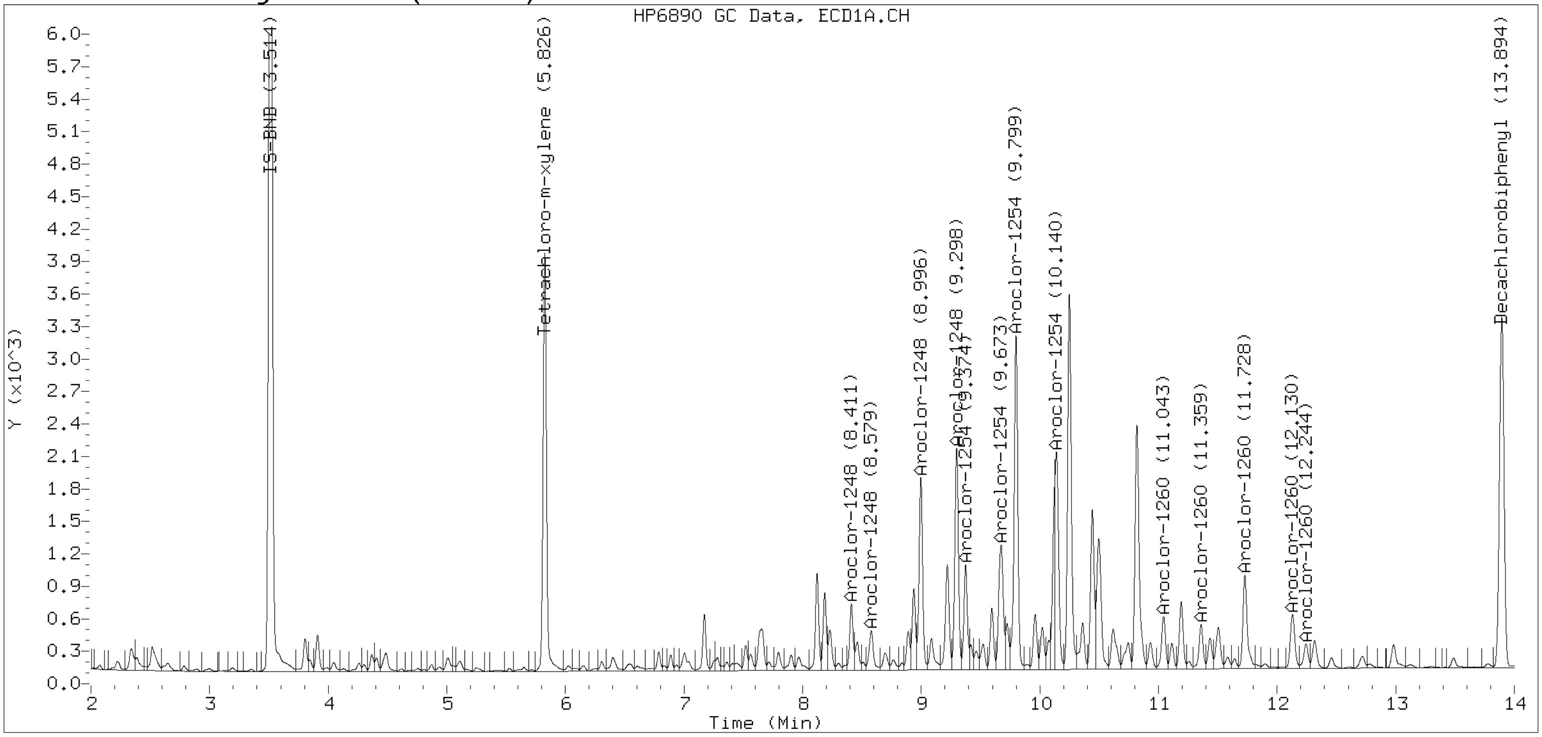


ZB-35 Manual Integration: YES

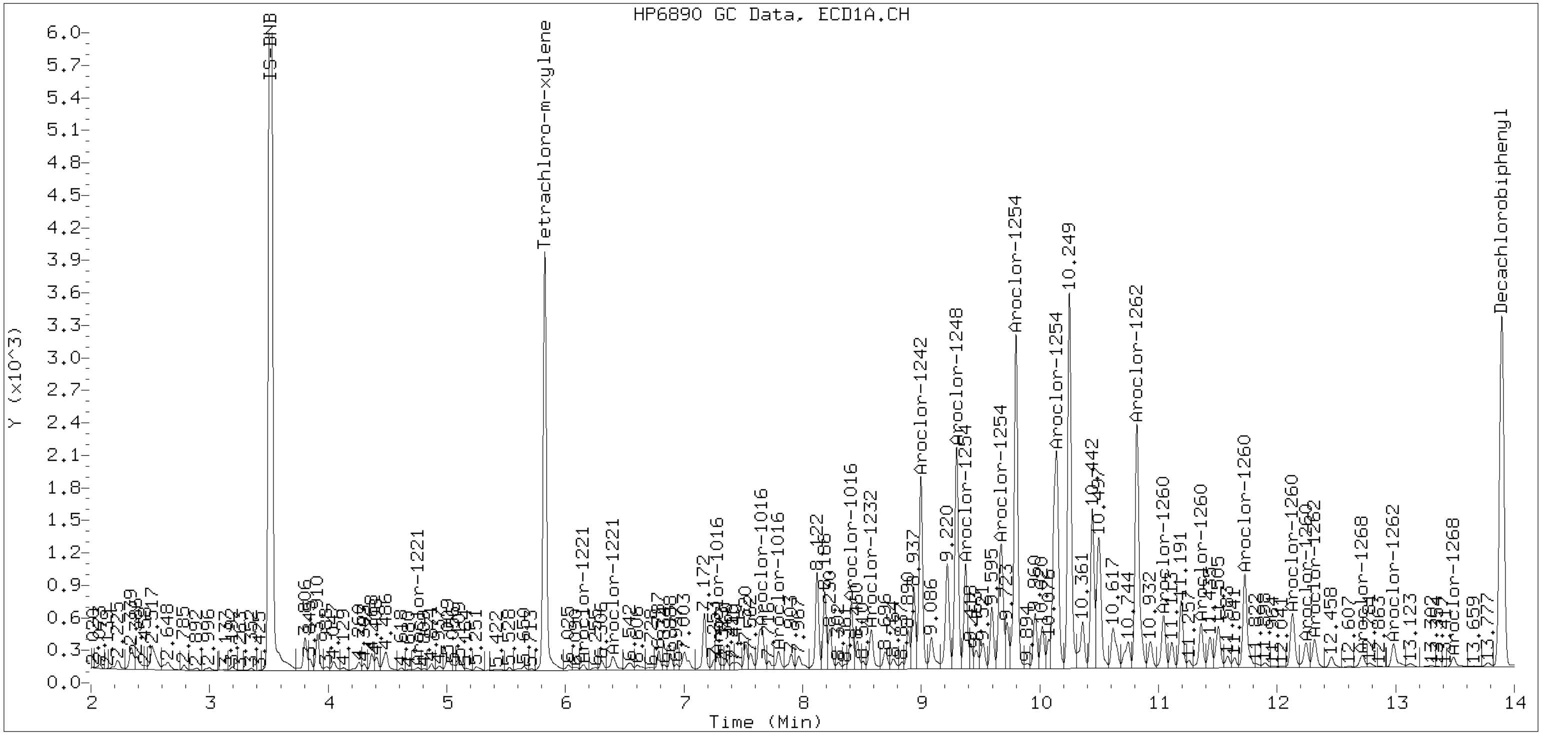
Manual Peak Adjustment, ZB-5

Datafile: ecd7.i/230107.b/01072367ECD7.D   Injection Date: 08-JAN-2023 08:48

Manual Integration (After)



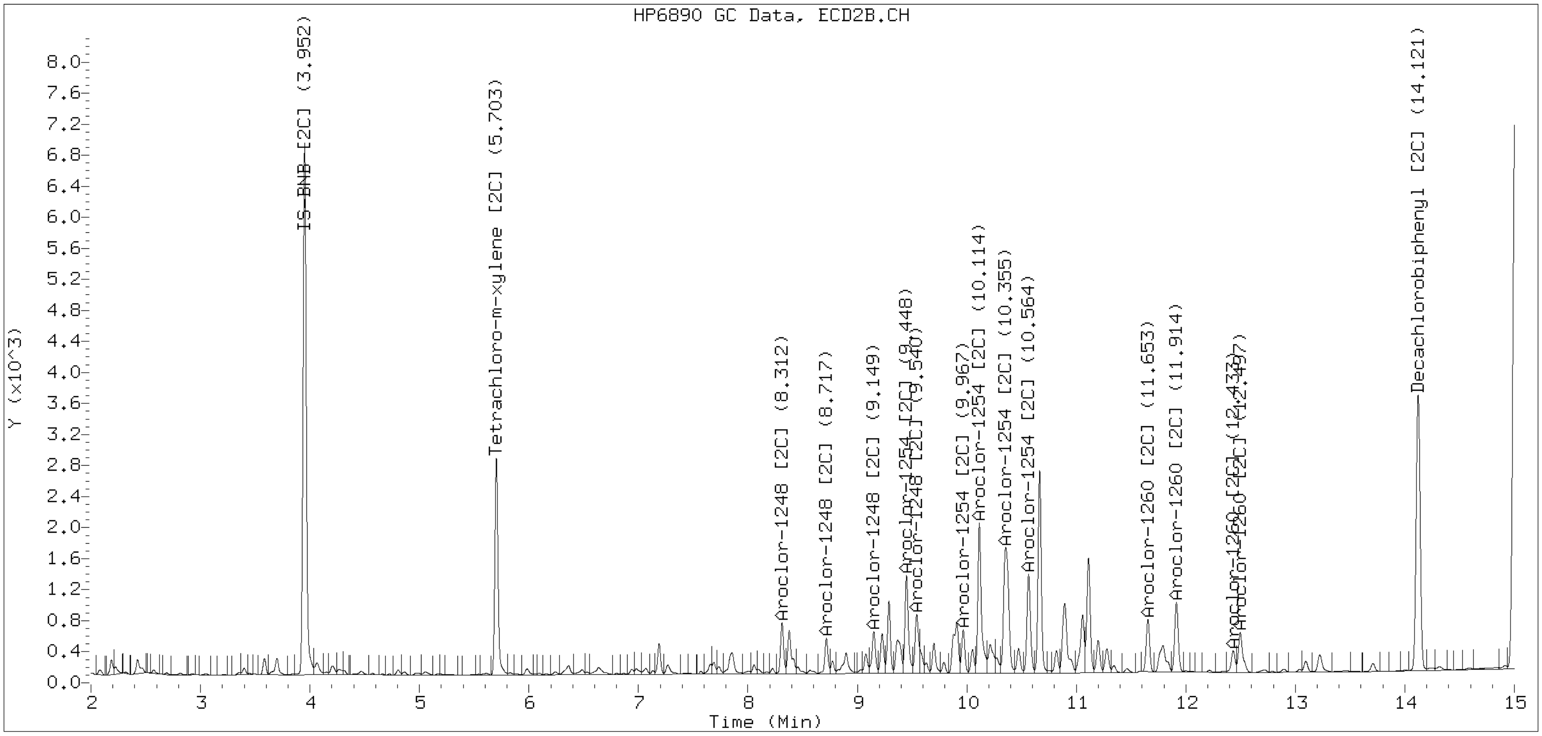
Processed Integration (Before)



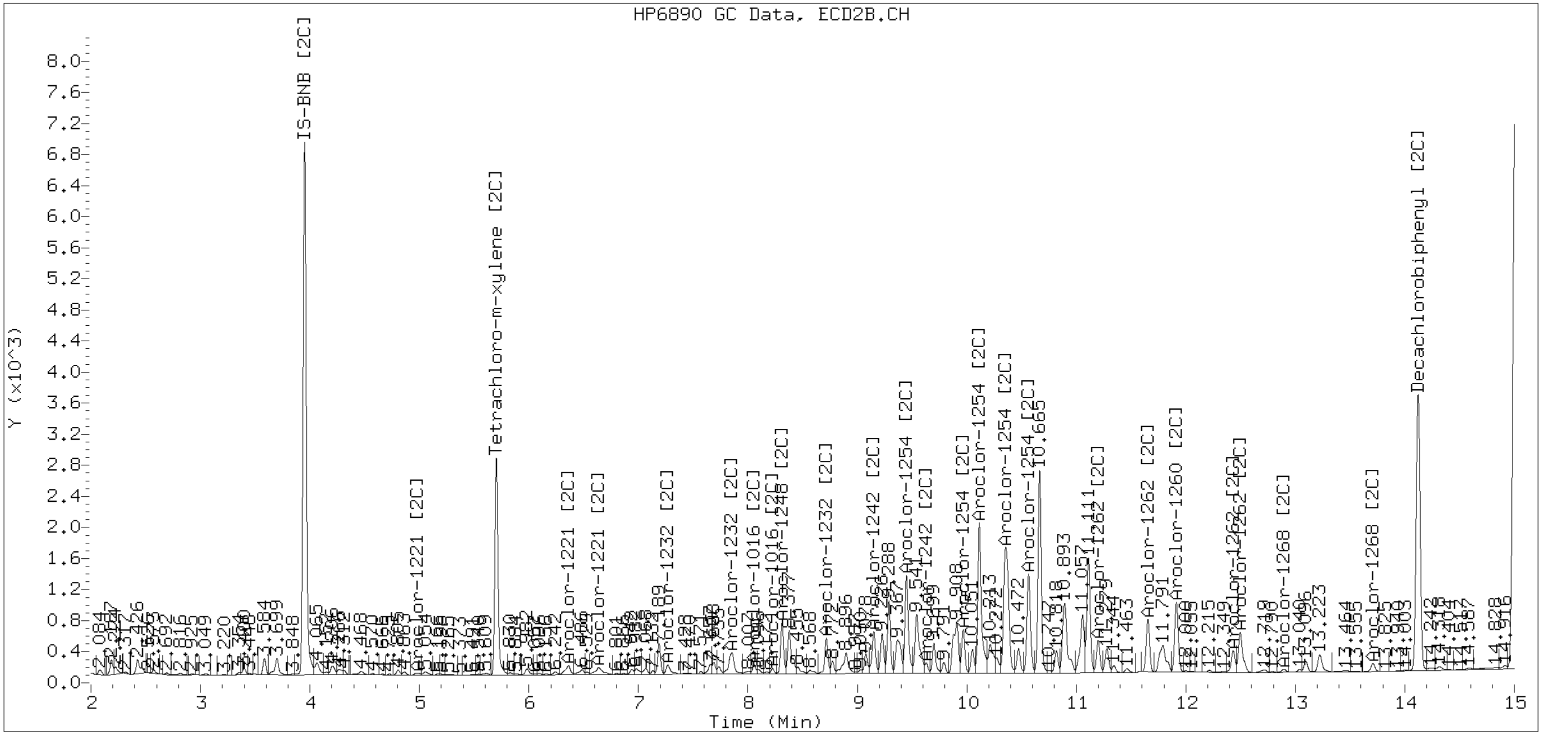
Manual Peak Adjustment, ZB-35

Datafile: ecd7.i/230107.b/230107.b/01072367ECD7.D   Injection Date: 08-JAN-2023

Manual Integration (After)



Processed Integration (Before)



LDW22-SC783F

Dual Column

ORGANIC ANALYSIS DATA SHEET
EPA 8082A

Laboratory:	Analytical Resources, LLC			SDG:	22L0307
Client:	Anchor QEA, LLC				
Project:	AOC4 UR Phase 3				
Matrix:	Solid	Laboratory ID:	22L0307-64 B	File ID:	01112364ECD7.D
Sampled:	12/12/22 12:59	Prepared:	12/29/22 12:24	Analyzed:	01/12/23 07:02
% Solids:	60.52	Preparation:	EPA 3546 (Microwave)	Initial/Final:	20.65 g Wet / 2.5 mL
Batch:	BKL0584	Sequence:	SLA0136	Calibration:	FL00010
Instrument:	ECD7	Column 1:	ZB5	Column 2:	ZB35

CAS NO.	COMPOUND	Col #	DILUTION	CONC. (ug/kg dry)	MDL	MRL	Q
12674-11-2	Aroclor 1016	1	5	20.0	7.8	20.0	U
11104-28-2	Aroclor 1221	1	5	20.0	7.8	20.0	U
11141-16-5	Aroclor 1232	1	5	20.0	7.8	20.0	U
53469-21-9	Aroclor 1242	1	5	20.0	7.8	20.0	U
12672-29-6	Aroclor 1248	1	5	399	7.8	20.0	D
11097-69-1	Aroclor 1254	1	5	576	7.8	20.0	D
11096-82-5	Aroclor 1260	2	5	161	2.9	20.0	D

SURROGATES	Col #	ADDED (ug/kg dry)	CONC (ug/kg dry)	% REC	QC LIMITS	Q
Decachlorobiphenyl	*1*	*8.0017*	*7.24*	*90.5*	*40 - 126*	
Tetrachlorometaxylene	*1*	*8.0017*	*5.50*	*68.7*	*44 - 120*	
Decachlorobiphenyl	*2*	*8.0017*	*6.34*	*79.2*	*40 - 126*	
Tetrachlorometaxylene	*2*	*8.0017*	*5.96*	*74.5*	*44 - 120*	

```
                              Analytical Resources Inc.
                         Dual Column 608/8082 PCB Quantitation Report

 Data file 1: /230111.b/01112364ECD7.D                       ARI ID: 22L0307-64RE1
 Data file 2: /230111.b/230111.b/01112364ECD7.D              Client ID:
 Method: \\target\share\chem4\ecd7.i\230111.b\PCB.m          Injection Date: 12-JAN-2023 07:02
 Compound Sublist: PCB.sub                                   Report Date: 01/14/2023 13:22
 Instrument, Inj. Vol.: ecd7.i, 2ul                          Matrix: NONE
 Quant Method: Internal Std                                  Dilution Factor:  5.0



                                    SURROGATES

        ZB5 Col          |       ZB35 Col          |   ZB5    ZB35
   RT    Shift Response | RT    Shift  Response   |  on col  on col    RPD   Compound/Flag
 ==========================================================================================

  5.827 -0.004    30446 | 5.704  -0.004    24028|    5.5     6.0      8.0    Tetrachloro-m-xylene
 13.894 -0.008    36749 |14.121  -0.006    37374|    7.2     6.3     13.3    Decachlorobiphenyl


*  Indicates RPD > 40%




                                INTERNAL STANDARD SUMMARY

                                            Column 1
                                     Standard    Sample
                   Standard Cpnd       Area*       Area      %D
               --------------------------------------------------
                 Bromo-Nitrobenzene    447645      390752  -12.7
                 Hexabromobiphenyl     798898      553528  -30.7

                                            Column 2
                                     Standard    Sample
                   Standard Cpnd       Area*       Area      %D
               --------------------------------------------------
                 Bromo-Nitrobenzene    249094     294241    18.1
                 Hexabromobiphenyl     362541     415240    14.5


                * Standard Areas taken from Initial Cal Level 3
                  Initial Calibration Date: 03-DEC-2022
               <- Indicates standard response outside Limits (-50 to +100%)
```

```
                              ZB5 Col                               ZB35 Col
 Aroclor   Peak#    RT    Shift    Area    Amount    Peak#   RT     Shift    Area   Amount
 ==========================================================================================
 Aroclor-1016 1      ---                    0.0      1     ---                      0.0
 Aroclor-1016 2      ---                    0.0      2     ---                      0.0
 Aroclor-1016 3      ---                    0.0      3     ---                      0.0
 Aroclor-1016 4      ---                    0.0      4     ---                      0.0
             Col1Ave: <3 Quant Peaks                  Col2Ave: <3 Quant Peaks

 Aroclor-1221 1      ---                    0.0      1     ---                      0.0
 Aroclor-1221 2      ---                    0.0      2     ---                      0.0
 Aroclor-1221 3      ---                    0.0      3     ---                      0.0
             Col1Ave: <3 Quant Peaks                  Col2Ave: <3 Quant Peaks

 Aroclor-1232 1      ---                    0.0      1     ---                      0.0
 Aroclor-1232 2      ---                    0.0      2     ---                      0.0
 Aroclor-1232 3      ---                    0.0      3     ---                      0.0
 Aroclor-1232 4      ---                    0.0      4     ---                      0.0
             Col1Ave: <3 Quant Peaks                  Col2Ave: <3 Quant Peaks

 Aroclor-1242 1      ---                    0.0      1     ---                      0.0
 Aroclor-1242 2      ---                    0.0      2     ---                      0.0
 Aroclor-1242 3      ---                    0.0      3     ---                      0.0
 Aroclor-1242 4      ---                    0.0      4     ---                      0.0
             Col1Ave: <3 Quant Peaks                  Col2Ave: <3 Quant Peaks

 Aroclor-1248 1   8.412  -0.012     48294   287.4      1    8.314  -0.007    64461   536.3
 Aroclor-1248 2   8.582  -0.018     26930   125.5      2    8.718  -0.009    39730   314.3
 Aroclor-1248 3   8.999  -0.016    138945   360.1      3    9.153  -0.020    36070   234.5
 Aroclor-1248 4   9.300  -0.010    155702   823.6      4    9.543  -0.054    67261   ~~372.6~~
       Total Col1Ave (4 peaks):   399.2       Total Col2Ave (4 peaks):   364.4   RPD = 9
       Corrected Ave (3 peaks):   257.7       Corrected Ave (3 peaks):   307.1   RPD = 18
                                                                          361.7
 Aroclor-1254 1   9.300  -0.016    155702   452.6      1    9.450  -0.010    93391   492.3
 Aroclor-1254 2   9.376  -0.019     75285   562.7      2    9.968  -0.011    47437   311.0
 Aroclor-1254 3   9.669  -0.017     91845   422.7      3   10.117  -0.015   195384   596.0
 Aroclor-1254 4   9.802  -0.023    243261   574.3      4   10.361  -0.019   200132   589.4
 Aroclor-1254 5  10.145  -0.047    251198   865.2      5   10.565  -0.012   100226   612.0
       Total Col1Ave (5 peaks):   575.5       Total Col2Ave (5 peaks):   520.1   RPD = 10
       Corrected Ave (4 peaks):   503.1       Corrected Ave (4 peaks):   497.2   RPD = 1

 Aroclor-1260 1  11.044  -0.013     35558   176.5      1   11.655  -0.007    57688   263.2
 Aroclor-1260 2  11.361  -0.013     29990   143.9      2   11.915  -0.010    67097   122.0
 Aroclor-1260 3  11.731  -0.016     68754   125.6      3   12.434  -0.010    18680   127.5
 Aroclor-1260 4  12.132  -0.022     43686   156.7      4   12.497  -0.012    47618   129.9
 Aroclor-1260 5  12.244  -0.012     14673   128.5      NS    ---                     ----
       Total Col1Ave (5 peaks):   146.2       Total Col2Ave (4 peaks):   160.7   RPD = 9
       Corrected Ave (4 peaks):   138.7       Corrected Ave (3 peaks):   126.5   RPD = 9

 Aroclor-1262 1      ---                    0.0      1     ---                      0.0
 Aroclor-1262 2      ---                    0.0      2     ---                      0.0
 Aroclor-1262 3      ---                    0.0      3     ---                      0.0
 Aroclor-1262 4      ---                    0.0      4     ---                      0.0
             Col1Ave: <3 Quant Peaks                  Col2Ave: <3 Quant Peaks

 Aroclor-1268 1      ---                    0.0      1     ---                      0.0
 Aroclor-1268 2      ---                    0.0      2     ---                      0.0
 Aroclor-1268 3      ---                    0.0      3     ---                      0.0
 Aroclor-1268 4      ---                    0.0      4     ---                      0.0
             Col1Ave: <3 Quant Peaks                  Col2Ave: <3 Quant Peaks
```

Total PCB Area Col1 (5.931 - 13.802) = 2793260 Col1 Total PCB = 0.7 ppm*

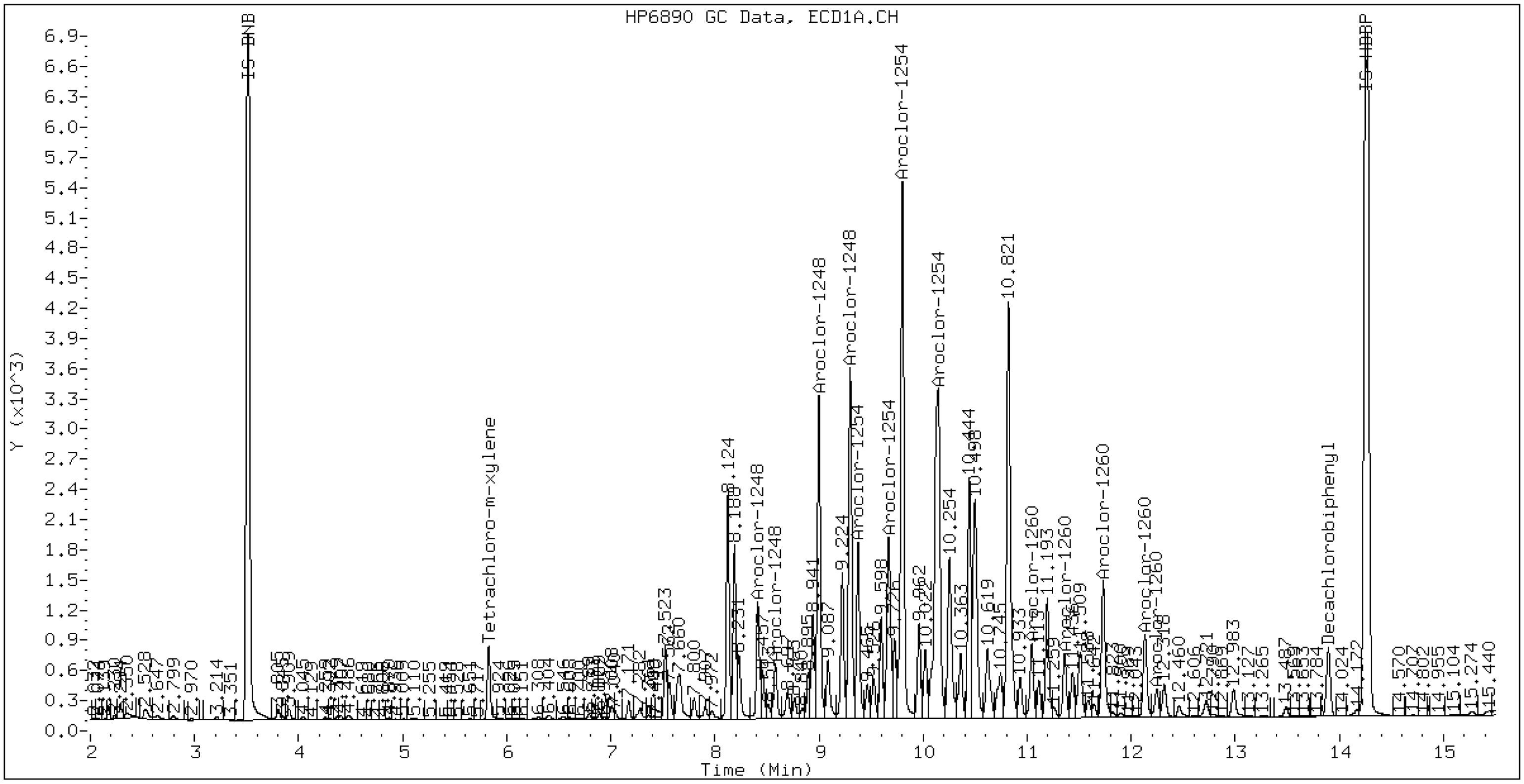
Total PCB Area Col2 (5.807 - 14.027) = 2186791 Col2 Total PCB = 0.8 ppm*

* Quantitated against AR1660 0.25ppm in Ical

PCB-Form 10 Mod.

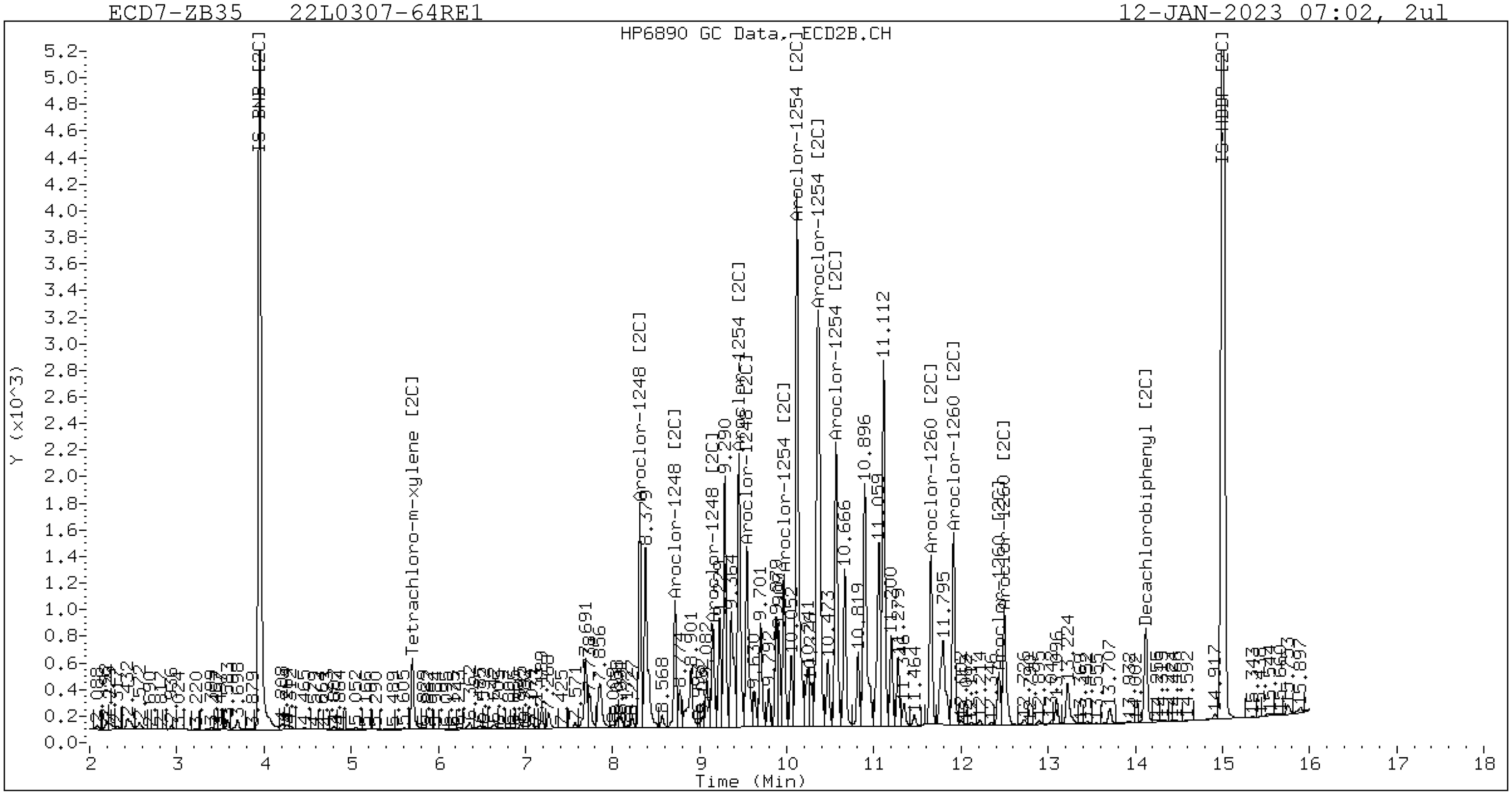
PCB Dual Column Chromatograms

ECD7-ZB5 22L0307-64RE1 12-JAN-2023 07:02, 2ul



ZB-5 Manual Integration: NO

ECD7-ZB35 22L0307-64RE1 12-JAN-2023 07:02, 2ul

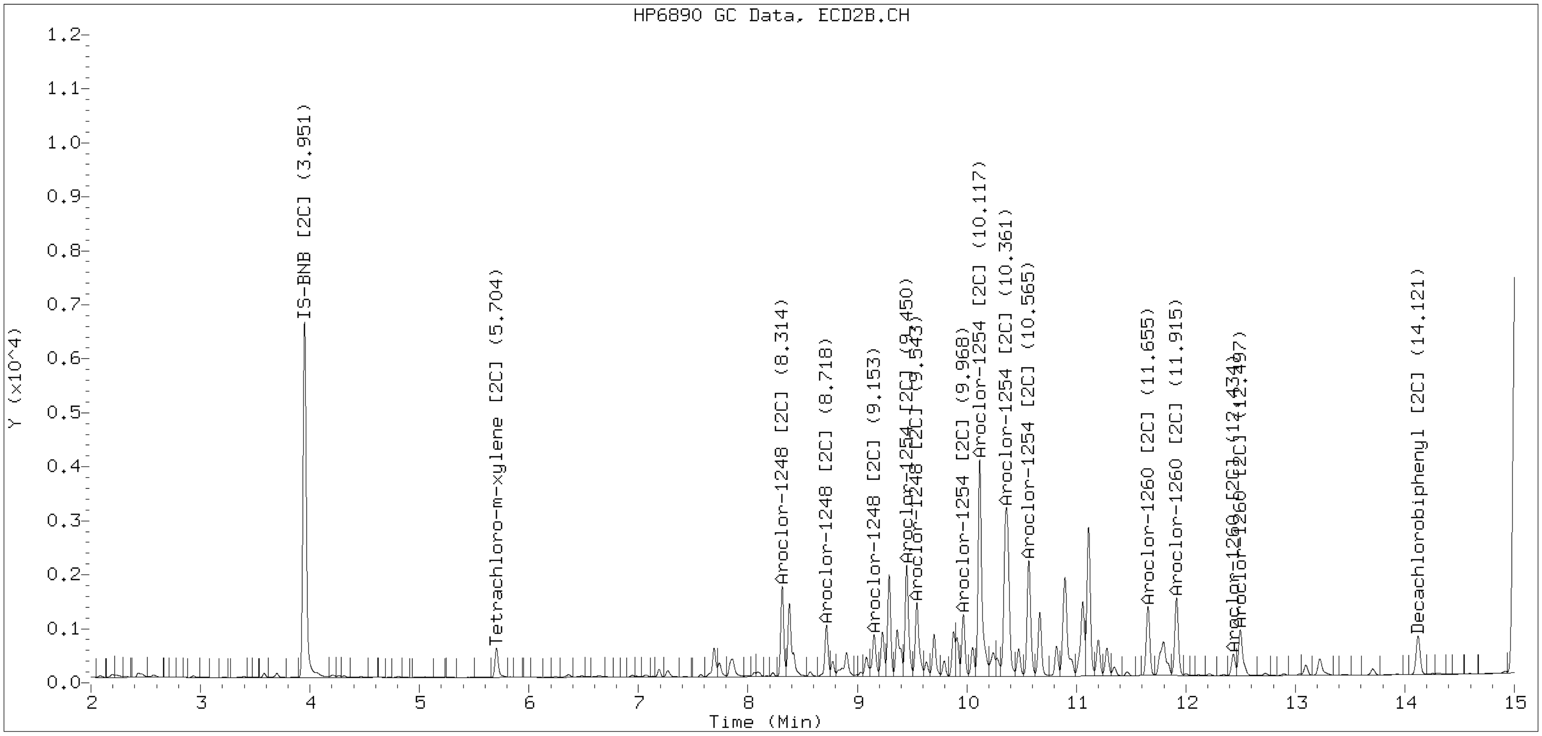


ZB-35 Manual Integration: YES

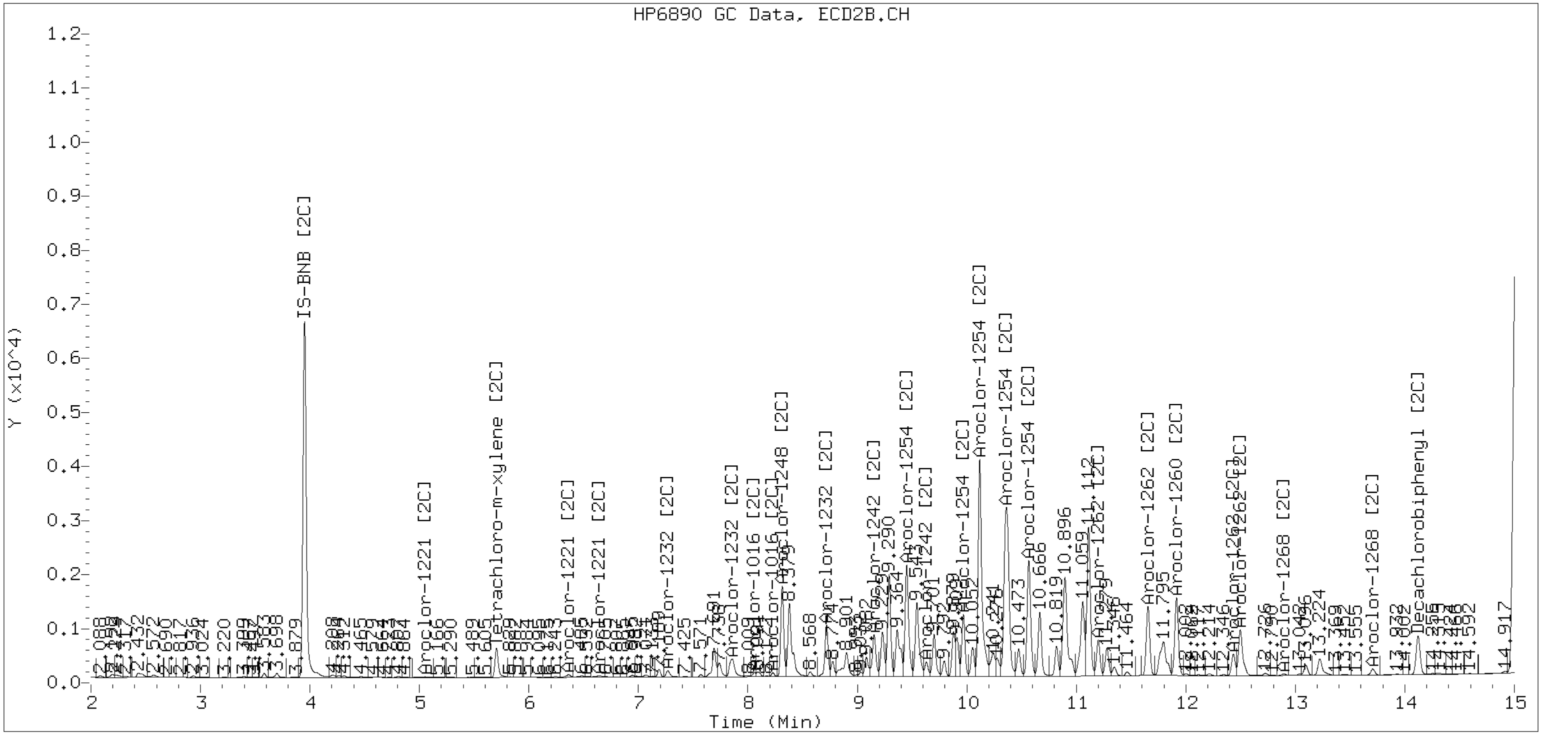
Manual Peak Adjustment, ZB-35

Datafile: ecd7.i/230111.b/230111.b/01112364ECD7.D   Injection Date: 12-JAN-2023

Manual Integration (After)



Processed Integration (Before)



Analytical Resources, LLC
Analytical Chemists and Consultants

LDW22-SC783G

Dual Column

ORGANIC ANALYSIS DATA SHEET
EPA 8082A

Laboratory:	Analytical Resources, LLC			SDG:	22L0307
Client:	Anchor QEA, LLC				
Project:	AOC4 UR Phase 3				
Matrix:	Solid	Laboratory ID:	22L0307-65 B	File ID:	01072369ECD7.D
Sampled:	12/12/22 12:59	Prepared:	12/29/22 12:24	Analyzed:	01/08/23 09:30
% Solids:	61.94	Preparation:	EPA 3546 (Microwave)	Initial/Final:	20.2 g Wet / 2.5 mL
Batch:	BKL0584	Sequence:	SLA0099	Calibration:	FL00010
Instrument:	ECD7	Column 1:	ZB5	Column 2:	ZB35

CAS NO.	COMPOUND	Col #	DILUTION	CONC. (ug/kg dry)	MDL	MRL	Q
12674-11-2	Aroclor 1016	1	1	4.0	1.6	4.0	U
11104-28-2	Aroclor 1221	1	1	4.0	1.6	4.0	U
11141-16-5	Aroclor 1232	1	1	4.0	1.6	4.0	U
53469-21-9	Aroclor 1242	1	1	4.0	1.6	4.0	U
12672-29-6	Aroclor 1248	2	1	104	1.6	4.0	
11097-69-1	Aroclor 1254	1	1	127	1.6	4.0	
11096-82-5	Aroclor 1260	1	1	50.3	0.6	4.0	

SURROGATES	Col #	ADDED (ug/kg dry)	CONC (ug/kg dry)	% REC	QC LIMITS	Q
Decachlorobiphenyl	*1*	*7.9924*	*7.54*	*94.4*	*40 - 126*	
Tetrachlorometaxylene	*1*	*7.9924*	*4.93*	*61.6*	*44 - 120*	
Decachlorobiphenyl	*2*	*7.9924*	*7.01*	*87.7*	*40 - 126*	
Tetrachlorometaxylene	*2*	*7.9924*	*5.60*	*70.1*	*44 - 120*	

```
                              Analytical Resources Inc.
                         Dual Column 608/8082 PCB Quantitation Report

Data file 1: /230107.b/01072369ECD7.D                    ARI ID: 22L0307-65
Data file 2: /230107.b/230107.b/01072369ECD7.D           Client ID:
Method: \\target\share\chem4\ecd7.i\230107.b\PCB.m      Injection Date: 08-JAN-2023 09:30
Compound Sublist: PCB.sub                                Report Date: 01/11/2023 15:13
Instrument, Inj. Vol.: ecd7.i, 2ul                       Matrix: NONE
Quant Method: Internal Std                               Dilution Factor:  1.0



                                 SURROGATES

       ZB5 Col          |       ZB35 Col          |   ZB5    ZB35
  RT    Shift Response | RT    Shift  Response   |  on col  on col    RPD   Compound/Flag
==========================================================================================

 5.826 -0.007   152614 | 5.703  -0.006   110920|   24.7    28.0     12.9    Tetrachloro-m-xylene
13.894 -0.010   170323 |14.121  -0.007   182062|   37.7    35.1      7.3    Decachlorobiphenyl


*  Indicates RPD > 40%




                            INTERNAL STANDARD SUMMARY

                                        Column 1
                                 Standard    Sample
                   Standard Cpnd       Area*       Area      %D
                --------------------------------------------------
                  Bromo-Nitrobenzene    447645      436865   -2.4
                  Hexabromobiphenyl     798898      492289  -38.4

                                        Column 2
                                 Standard    Sample
                   Standard Cpnd       Area*       Area      %D
                --------------------------------------------------
                  Bromo-Nitrobenzene    249094     288559    15.8
                  Hexabromobiphenyl     362541     365630     0.9


                 * Standard Areas taken from Initial Cal Level 3
                   Initial Calibration Date: 03-DEC-2022
                <- Indicates standard response outside Limits (-50 to +100%)
```

```
//target/share/chem4/ecd7.i/230107.b/01072369ECD7.D      22L0307-65                    page 2
                            ZB5 Col                             ZB35 Col
 Aroclor   Peak#    RT    Shift    Area    Amount    Peak#   RT     Shift    Area   Amount
 ==========================================================================================
 Aroclor-1016 1      ---                    0.0      1     ---                      0.0
 Aroclor-1016 2      ---                    0.0      2     ---                      0.0
 Aroclor-1016 3      ---                    0.0      3     ---                      0.0
 Aroclor-1016 4      ---                    0.0      4     ---                      0.0
             Col1Ave: <3 Quant Peaks                 Col2Ave: <3 Quant Peaks

 Aroclor-1221 1      ---                    0.0      1     ---                      0.0
 Aroclor-1221 2      ---                    0.0      2     ---                      0.0
 Aroclor-1221 3      ---                    0.0      3     ---                      0.0
             Col1Ave: <3 Quant Peaks                 Col2Ave: <3 Quant Peaks

 Aroclor-1232 1      ---                    0.0      1     ---                      0.0
 Aroclor-1232 2      ---                    0.0      2     ---                      0.0
 Aroclor-1232 3      ---                    0.0      3     ---                      0.0
 Aroclor-1232 4      ---                    0.0      4     ---                      0.0
             Col1Ave: <3 Quant Peaks                 Col2Ave: <3 Quant Peaks

 Aroclor-1242 1      ---                    0.0      1     ---                      0.0
 Aroclor-1242 2      ---                    0.0      2     ---                      0.0
 Aroclor-1242 3      ---                    0.0      3     ---                      0.0
 Aroclor-1242 4      ---                    0.0      4     ---                      0.0
             Col1Ave: <3 Quant Peaks                 Col2Ave: <3 Quant Peaks

 Aroclor-1248 1   8.410  -0.015     76546   407.5      1    8.311  -0.011    77394   656.5
 Aroclor-1248 2   8.577  -0.025     54403   226.8      2    8.716  -0.012    56970   459.5
 Aroclor-1248 3   8.995  -0.024    193054   447.5      3    9.149  -0.030    66473   440.8
 Aroclor-1248 4   9.297  -0.016    197999   936.8      4    9.541  -0.060   102420   5~~70~~.5
       Total Col1Ave (4 peaks):   504.7       Total Col2Ave (4 peaks):   533.8   RPD = 6
       Corrected Ave (3 peaks):   360.6       Corrected Ave (3 peaks):   492.9   RPD = 31
                                                                        518.93
 Aroclor-1254 1   9.297  -0.014    197999   514.8      1    9.448  -0.013   117181   629.8
 Aroclor-1254 2   9.372  -0.016     98652   659.5      2    9.966  -0.015    46651   311.9
 Aroclor-1254 3   9.670  -0.008    128634   529.5      3   10.113  -0.020   217809   677.4
 Aroclor-1254 4   9.797  -0.017    289890   612.2      4   10.354  -0.028   237812   714.2
 Aroclor-1254 5  10.136  -0.032    281544   867.3      5   10.563  -0.015   118752   739.4
       Total Col1Ave (5 peaks):   636.6       Total Col2Ave (5 peaks):   614.6   RPD = 4
       Corrected Ave (4 peaks):   579.0       Corrected Ave (4 peaks):   583.3   RPD = 1

 Aroclor-1260 1  11.043  -0.017     70916   395.8      1   11.652  -0.011    58593   303.6
 Aroclor-1260 2  11.358  -0.017     38569   208.1      2   11.913  -0.016    83023   171.4
 Aroclor-1260 3  11.728  -0.022     90778   186.4      3   12.431  -0.014    29318   227.3
 Aroclor-1260 4  12.128  -0.026     49052   197.8      4   12.496  -0.015    56857   176.1
 Aroclor-1260 5  12.242  -0.014     27394   269.8     NS     ---                     ----
       Total Col1Ave (5 peaks):   251.6       Total Col2Ave (4 peaks):   219.6   RPD = 14
       Corrected Ave (4 peaks):   215.5       Corrected Ave (3 peaks):   191.6   RPD = 12

 Aroclor-1262 1      ---                    0.0      1     ---                      0.0
 Aroclor-1262 2      ---                    0.0      2     ---                      0.0
 Aroclor-1262 3      ---                    0.0      3     ---                      0.0
 Aroclor-1262 4      ---                    0.0      4     ---                      0.0
             Col1Ave: <3 Quant Peaks                 Col2Ave: <3 Quant Peaks

 Aroclor-1268 1      ---                    0.0      1     ---                      0.0
 Aroclor-1268 2      ---                    0.0      2     ---                      0.0
 Aroclor-1268 3      ---                    0.0      3     ---                      0.0
 Aroclor-1268 4      ---                    0.0      4     ---                      0.0
             Col1Ave: <3 Quant Peaks                 Col2Ave: <3 Quant Peaks
```

```
Total PCB Area Col1 (5.933 - 13.804) =    3956464     Col1 Total PCB = 0.9 ppm*

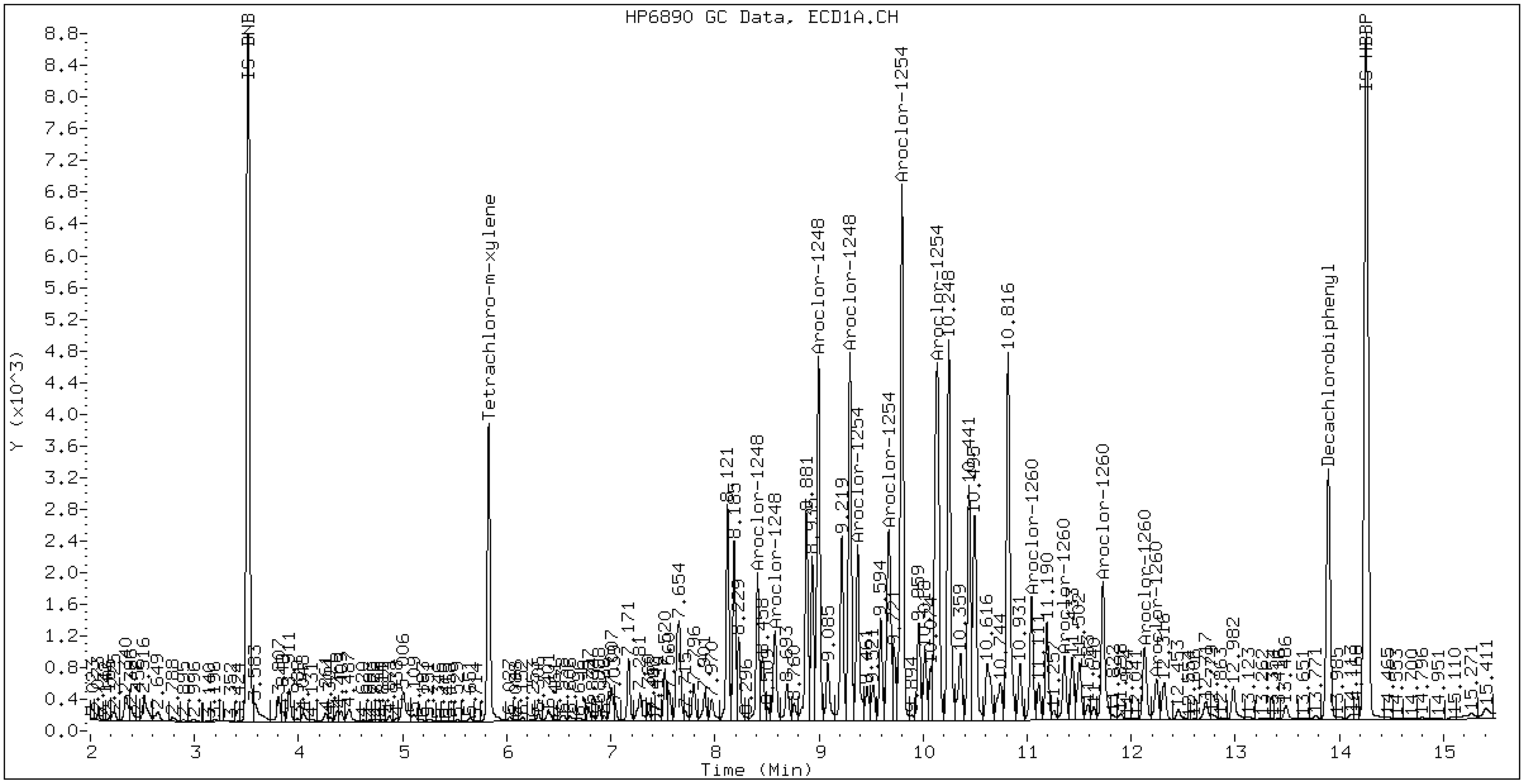
Total PCB Area Col2 (5.809 - 14.028) =    2990260     Col2 Total PCB = 1.1 ppm*
```

* Quantitated against AR1660 0.25ppm in Ical

PCB-Form 10 Mod.

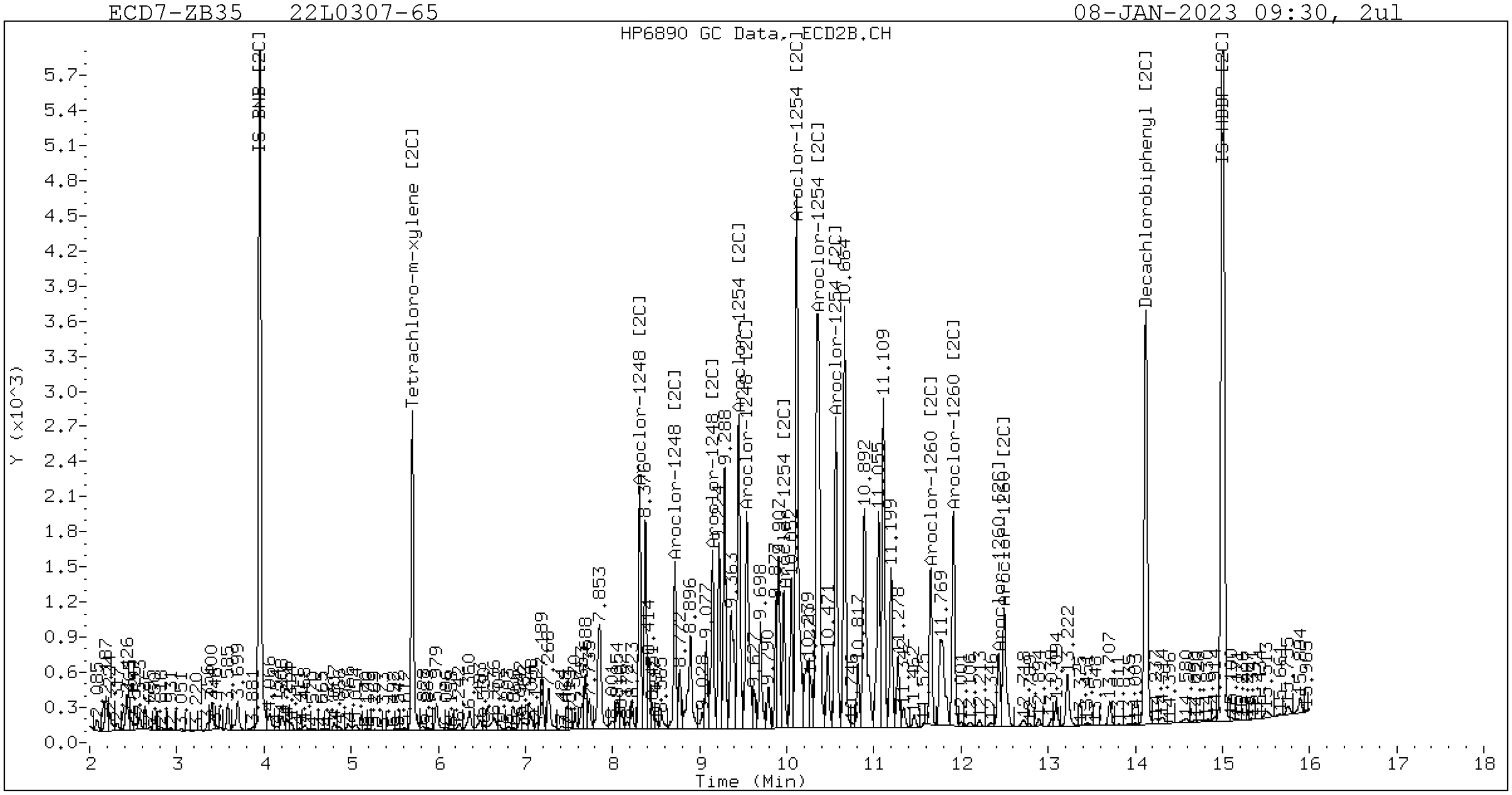
PCB Dual Column Chromatograms

ECD7-ZB5 22L0307-65 08-JAN-2023 09:30, 2ul



ZB-5 Manual Integration: NO

ECD7-ZB35 22L0307-65 08-JAN-2023 09:30, 2ul

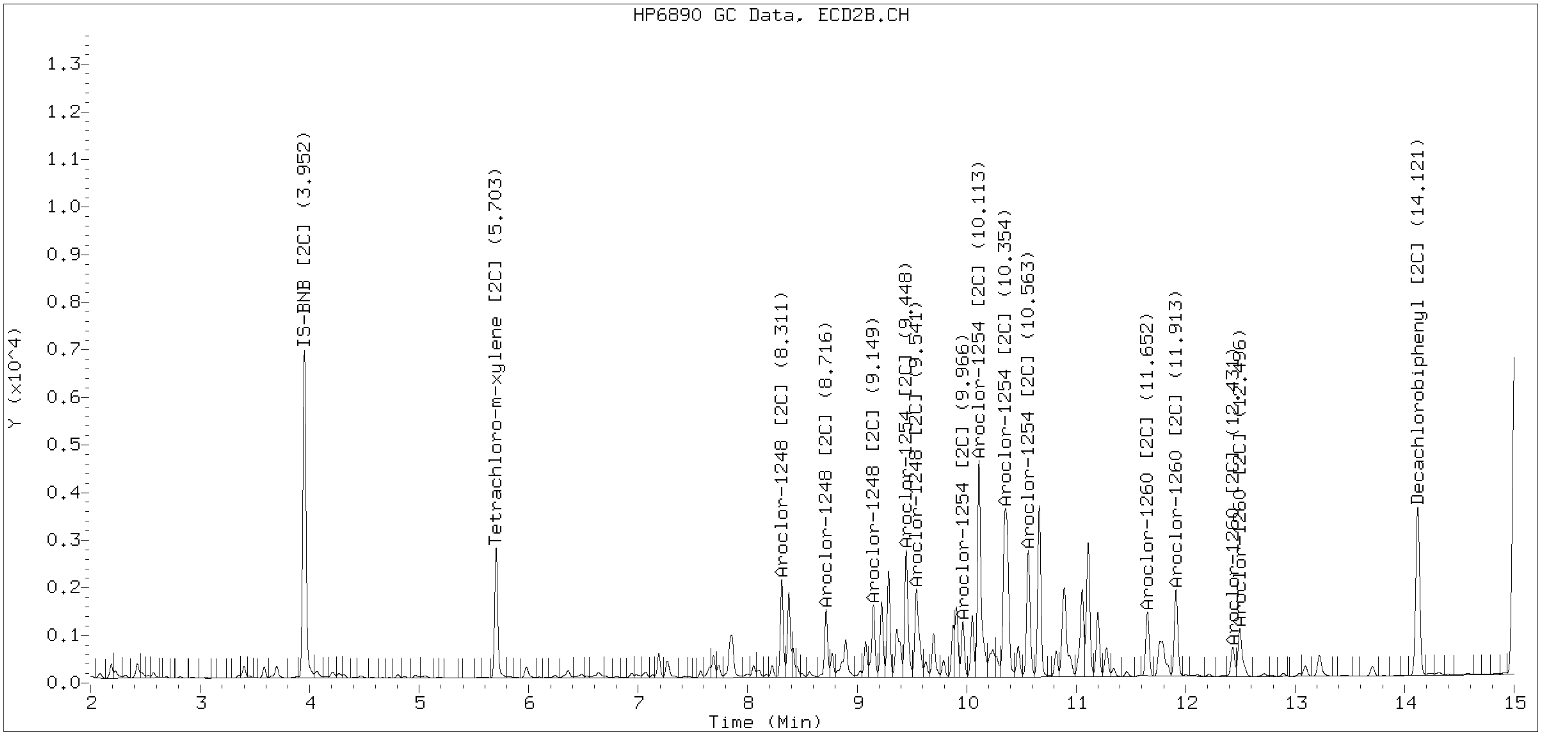


ZB-35 Manual Integration: YES

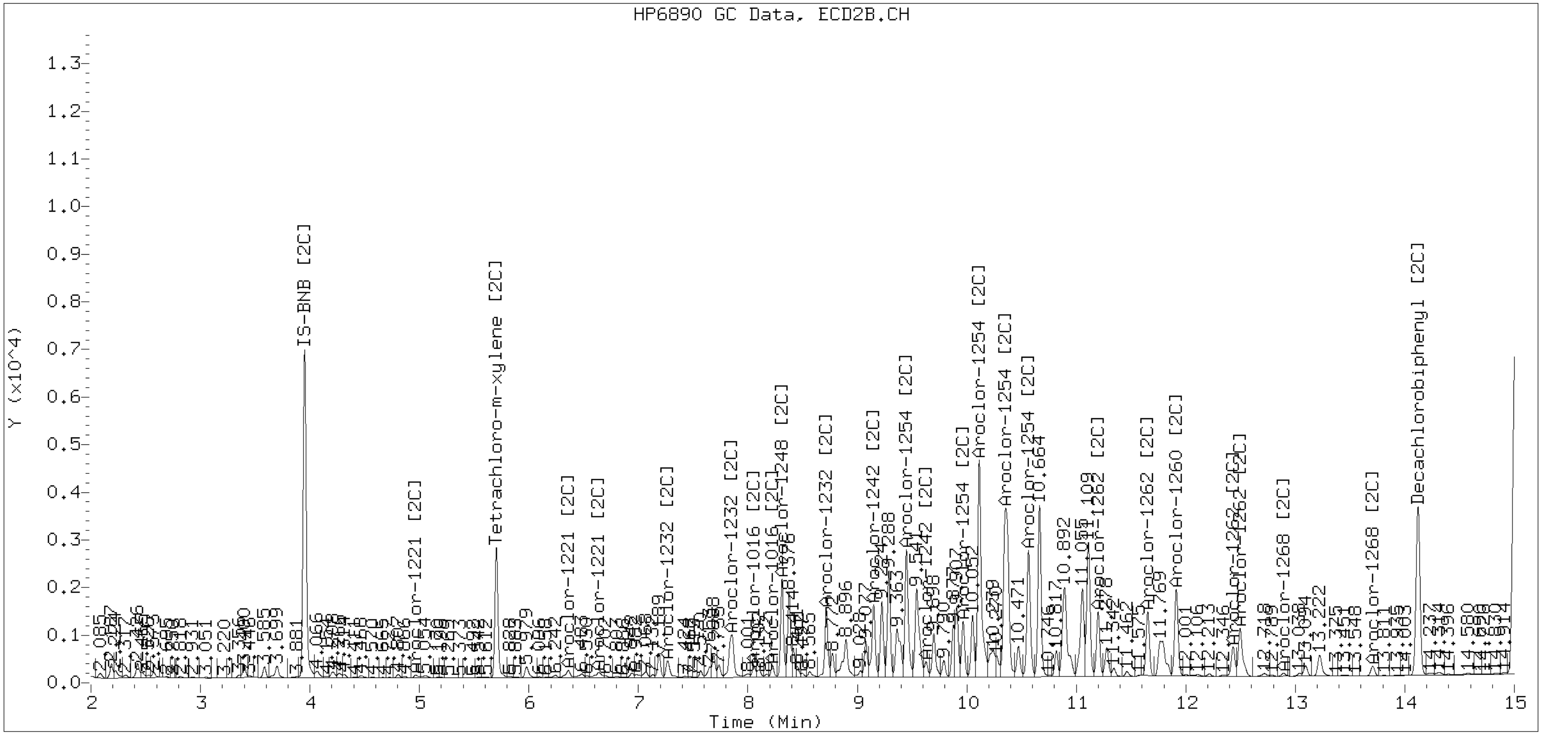
Manual Peak Adjustment, ZB-35

Datafile: ecd7.i/230107.b/230107.b/01072369ECD7.D   Injection Date: 08-JAN-2023

Manual Integration (After)



Processed Integration (Before)



LDW22-SC783H

Dual Column

ORGANIC ANALYSIS DATA SHEET
EPA 8082A

Laboratory:	Analytical Resources, LLC			SDG:	22L0307
Client:	Anchor QEA, LLC				
Project:	AOC4 UR Phase 3				
Matrix:	Solid	Laboratory ID:	22L0307-66 B	File ID:	01072370ECD7.D
Sampled:	12/12/22 12:59	Prepared:	12/29/22 12:24	Analyzed:	01/08/23 09:52
% Solids:	64.38	Preparation:	EPA 3546 (Microwave)	Initial/Final:	19.42 g Wet / 2.5 mL
Batch:	BKL0584	Sequence:	SLA0099	Calibration:	FL00010
Instrument:	ECD7	Column 1:	ZB5	Column 2:	ZB35

CAS NO.	COMPOUND	Col #	DILUTION	CONC. (ug/kg dry)	MDL	MRL	Q
12674-11-2	Aroclor 1016	1	1	4.0	1.6	4.0	U
11104-28-2	Aroclor 1221	1	1	4.0	1.6	4.0	U
11141-16-5	Aroclor 1232	1	1	4.0	1.6	4.0	U
53469-21-9	Aroclor 1242	1	1	4.0	1.6	4.0	U
12672-29-6	Aroclor 1248	1	1	74.4	1.6	4.0	
11097-69-1	Aroclor 1254	1	1	105	1.6	4.0	
11096-82-5	Aroclor 1260	2	1	41.4	0.6	4.0	

SURROGATES	Col #	ADDED (ug/kg dry)	CONC (ug/kg dry)	% REC	QC LIMITS	Q
Decachlorobiphenyl	*1*	*7.9983*	*7.20*	*90.0*	*40 - 126*	
Tetrachlorometaxylene	*1*	*7.9983*	*4.90*	*61.2*	*44 - 120*	
Decachlorobiphenyl	*2*	*7.9983*	*6.67*	*83.4*	*40 - 126*	
Tetrachlorometaxylene	*2*	*7.9983*	*5.52*	*69.1*	*44 - 120*	

```
                              Analytical Resources Inc.
                         Dual Column 608/8082 PCB Quantitation Report

Data file 1: /230107.b/01072370ECD7.D                      ARI ID: 22L0307-66
Data file 2: /230107.b/230107.b/01072370ECD7.D             Client ID:
Method: \\target\share\chem4\ecd7.i\230107.b\PCB.m         Injection Date: 08-JAN-2023 09:52
Compound Sublist: PCB.sub                                  Report Date: 01/11/2023 15:13
Instrument, Inj. Vol.: ecd7.i, 2ul                         Matrix: NONE
Quant Method: Internal Std                                 Dilution Factor:  1.0



                                 SURROGATES

       ZB5 Col          |       ZB35 Col          |   ZB5    ZB35
  RT    Shift Response | RT    Shift  Response   |  on col  on col    RPD   Compound/Flag
=========================================================================================

  5.825 -0.008   156003 | 5.702  -0.007   113253|   24.5    27.6     12.1    Tetrachloro-m-xylene
 13.893 -0.010   169857 |14.121  -0.007   178882|   36.0    33.4      7.7    Decachlorobiphenyl


*  Indicates RPD > 40%



                            INTERNAL STANDARD SUMMARY

                                        Column 1
                                 Standard    Sample
                   Standard Cpnd       Area*       Area      %D
               --------------------------------------------------
                 Bromo-Nitrobenzene    447645      449515    0.4
                 Hexabromobiphenyl     798898      514536  -35.6

                                        Column 2
                                 Standard    Sample
                   Standard Cpnd       Area*       Area      %D
               --------------------------------------------------
                 Bromo-Nitrobenzene    249094     299020    20.0
                 Hexabromobiphenyl     362541     377695     4.2


                * Standard Areas taken from Initial Cal Level 3
                  Initial Calibration Date: 03-DEC-2022
               <- Indicates standard response outside Limits (-50 to +100%)
```

```
//target/share/chem4/ecd7.i/230107.b/01072370ECD7.D      22L0307-66                        page 2
                           ZB5 Col                                  ZB35 Col
 Aroclor   Peak#    RT    Shift    Area    Amount    Peak#   RT     Shift    Area   Amount
 ===========================================================================================
 Aroclor-1016 1      ---                     0.0      1     ---                     0.0
 Aroclor-1016 2      ---                     0.0      2     ---                     0.0
 Aroclor-1016 3      ---                     0.0      3     ---                     0.0
 Aroclor-1016 4      ---                     0.0      4     ---                     0.0
             Col1Ave: <3 Quant Peaks                   Col2Ave: <3 Quant Peaks

 Aroclor-1221 1      ---                     0.0      1     ---                     0.0
 Aroclor-1221 2      ---                     0.0      2     ---                     0.0
 Aroclor-1221 3      ---                     0.0      3     ---                     0.0
             Col1Ave: <3 Quant Peaks                   Col2Ave: <3 Quant Peaks

 Aroclor-1232 1      ---                     0.0      1     ---                     0.0
 Aroclor-1232 2      ---                     0.0      2     ---                     0.0
 Aroclor-1232 3      ---                     0.0      3     ---                     0.0
 Aroclor-1232 4      ---                     0.0      4     ---                     0.0
             Col1Ave: <3 Quant Peaks                   Col2Ave: <3 Quant Peaks

 Aroclor-1242 1      ---                     0.0      1     ---                     0.0
 Aroclor-1242 2      ---                     0.0      2     ---                     0.0
 Aroclor-1242 3      ---                     0.0      3     ---                     0.0
 Aroclor-1242 4      ---                     0.0      4     ---                     0.0
             Col1Ave: <3 Quant Peaks                   Col2Ave: <3 Quant Peaks

 Aroclor-1248 1   8.410  -0.015     50032   258.9      1    8.312  -0.011    54508   446.2
 Aroclor-1248 2   8.578  -0.025     33425   135.5      2    8.717  -0.011    35114   273.3
 Aroclor-1248 3   8.996  -0.023    145885   328.6      3    9.149  -0.030    45140   288.8
 Aroclor-1248 4   9.298  -0.015    166533   765.7      4    9.542  -0.060    78462   ~~427~~.7
       Total Col1Ave (4 peaks):   372.2       Total Col2Ave (4 peaks):   359.0   RPD = 4
       Corrected Ave (3 peaks):   241.0       Corrected Ave (3 peaks):   329.9   RPD = 31
                                                                      336.1
 Aroclor-1254 1   9.298  -0.013    166533   420.8      1    9.449  -0.013   100183   519.6
 Aroclor-1254 2   9.373  -0.015     81286   528.1      2    9.966  -0.015    40557   261.7
 Aroclor-1254 3   9.671  -0.008    109239   437.0      3   10.114  -0.020   179433   538.6
 Aroclor-1254 4   9.798  -0.017    244343   501.5      4   10.353  -0.029   200285   580.5
 Aroclor-1254 5  10.137  -0.030    243034   727.6      5   10.563  -0.015   109809   659.8
       Total Col1Ave (5 peaks):   523.0       Total Col2Ave (5 peaks):   512.0   RPD = 2
       Corrected Ave (4 peaks):   471.8       Corrected Ave (4 peaks):   475.1   RPD = 1

 Aroclor-1260 1  11.042  -0.018     46029   245.8      1   11.653  -0.010    56078   281.3
 Aroclor-1260 2  11.359  -0.017     36856   190.3      2   11.913  -0.015    84213   168.3
 Aroclor-1260 3  11.728  -0.022     93691   184.1      3   12.432  -0.014    27050   203.0
 Aroclor-1260 4  12.128  -0.026     51680   199.4      4   12.496  -0.015    58432   175.2
 Aroclor-1260 5  12.243  -0.013     22808   215.0     NS     ---                    ----
       Total Col1Ave (5 peaks):   206.9       Total Col2Ave (4 peaks):   207.0   RPD = 0
       Corrected Ave (4 peaks):   197.2       Corrected Ave (3 peaks):   182.2   RPD = 8

 Aroclor-1262 1      ---                     0.0      1     ---                     0.0
 Aroclor-1262 2      ---                     0.0      2     ---                     0.0
 Aroclor-1262 3      ---                     0.0      3     ---                     0.0
 Aroclor-1262 4      ---                     0.0      4     ---                     0.0
             Col1Ave: <3 Quant Peaks                   Col2Ave: <3 Quant Peaks

 Aroclor-1268 1      ---                     0.0      1     ---                     0.0
 Aroclor-1268 2      ---                     0.0      2     ---                     0.0
 Aroclor-1268 3      ---                     0.0      3     ---                     0.0
 Aroclor-1268 4      ---                     0.0      4     ---                     0.0
             Col1Ave: <3 Quant Peaks                   Col2Ave: <3 Quant Peaks
```

Total PCB Area Col1 (5.933 - 13.804) = 3212756 Col1 Total PCB = 0.7 ppm*

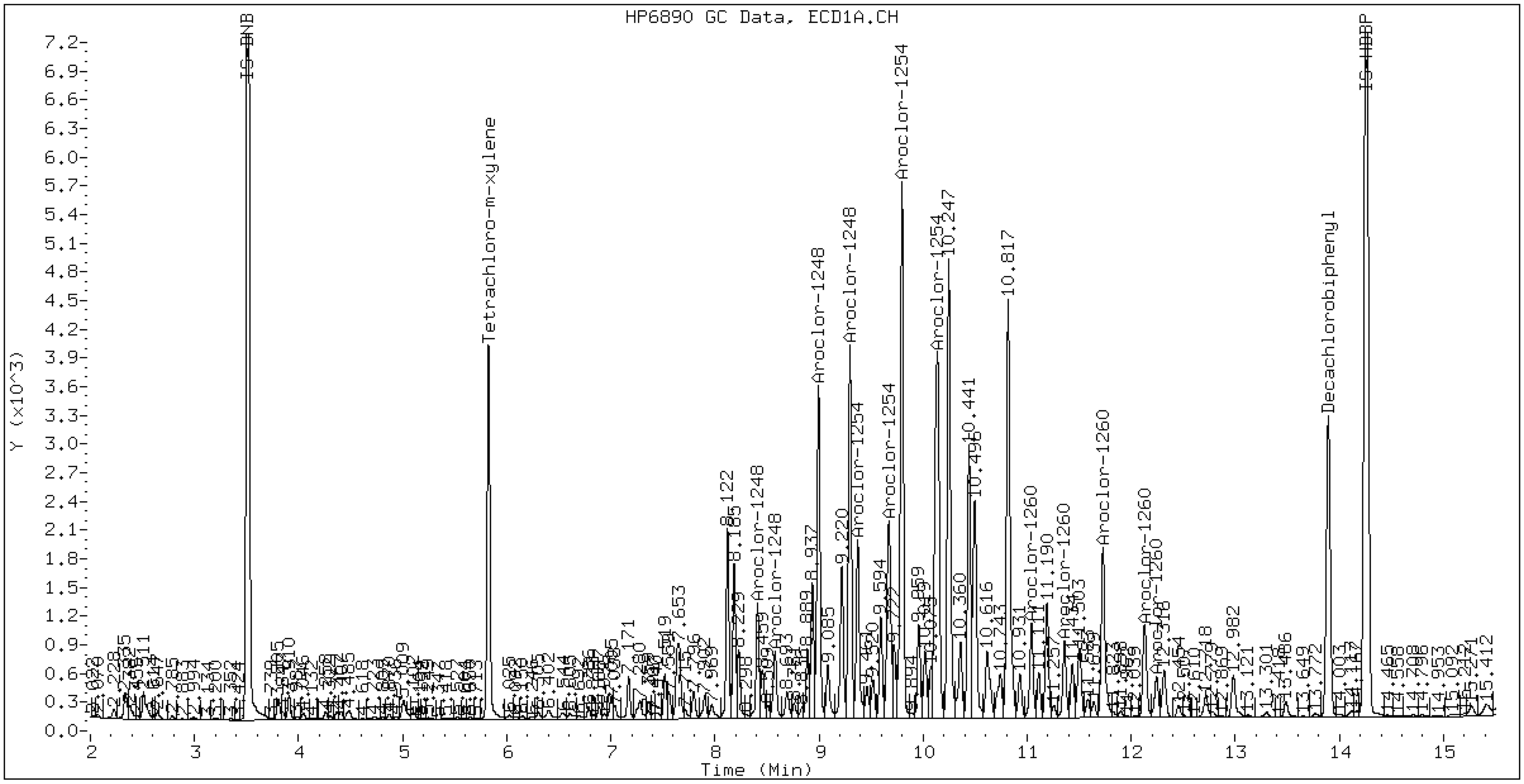
Total PCB Area Col2 (5.809 - 14.028) = 2441294 Col2 Total PCB = 0.9 ppm*

* Quantitated against AR1660 0.25ppm in Ical

PCB-Form 10 Mod.

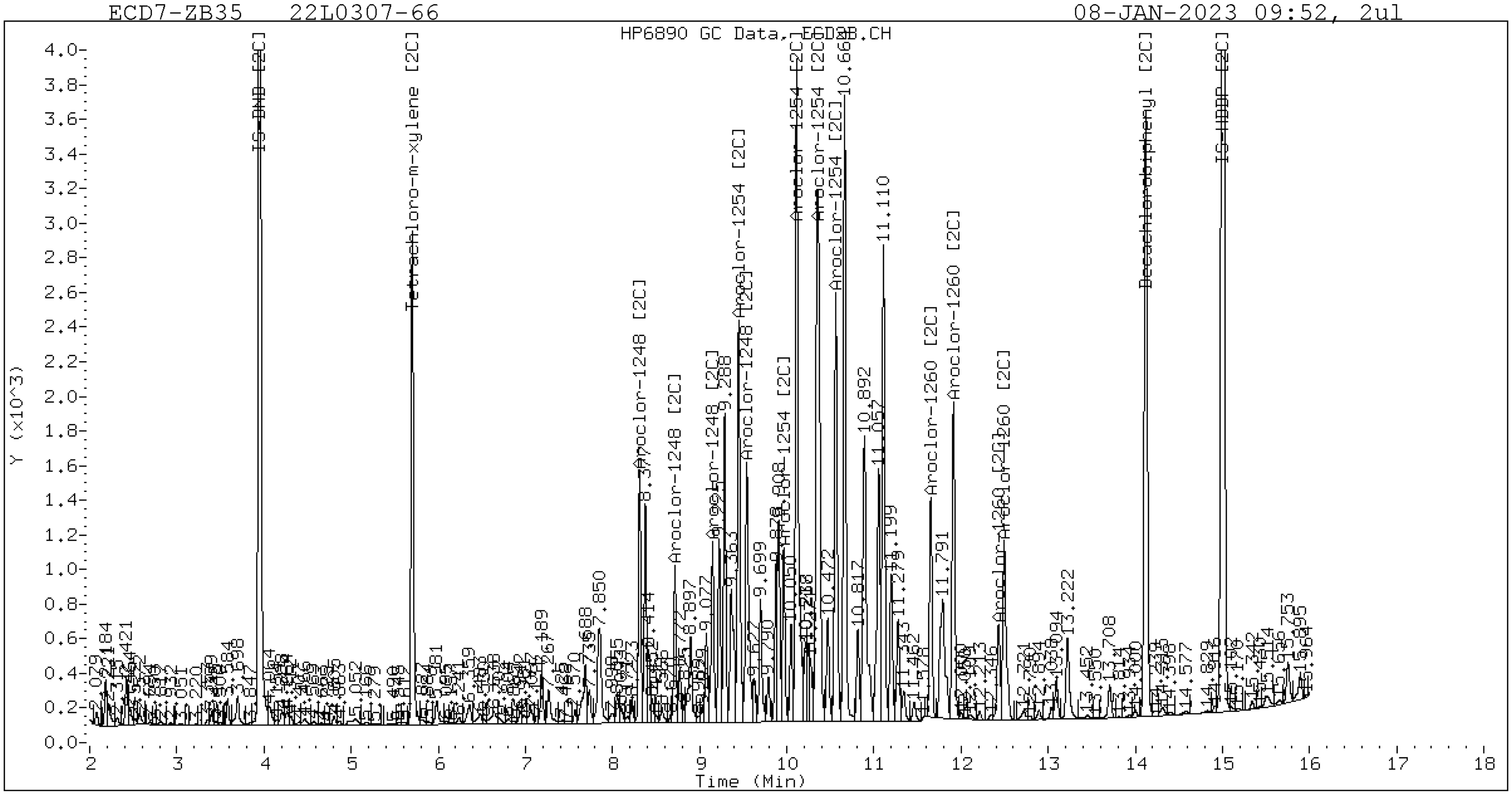
PCB Dual Column Chromatograms

ECD7-ZB5 22L0307-66 08-JAN-2023 09:52, 2ul



ZB-5 Manual Integration: NO

ECD7-ZB35 22L0307-66 08-JAN-2023 09:52, 2ul

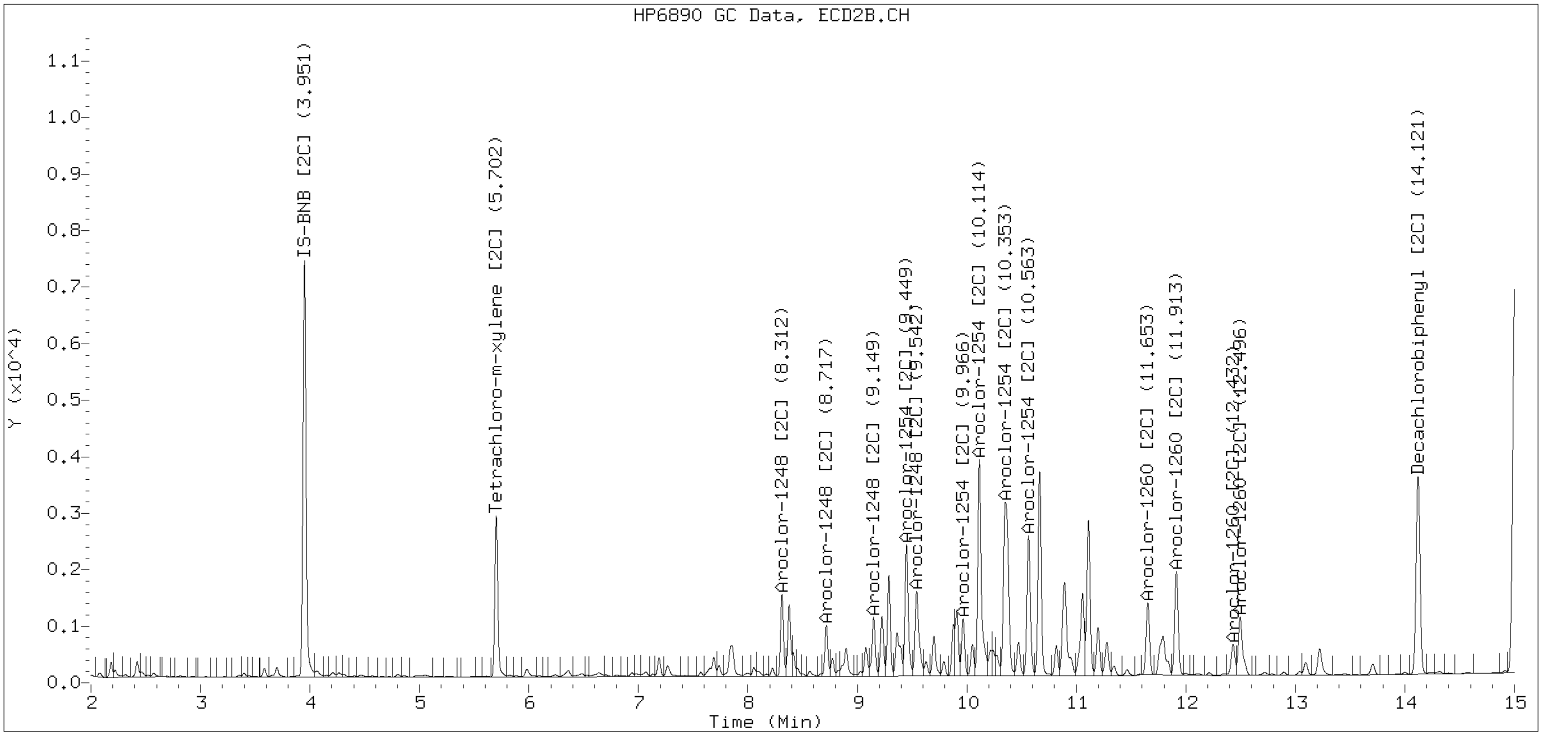


ZB-35 Manual Integration: YES

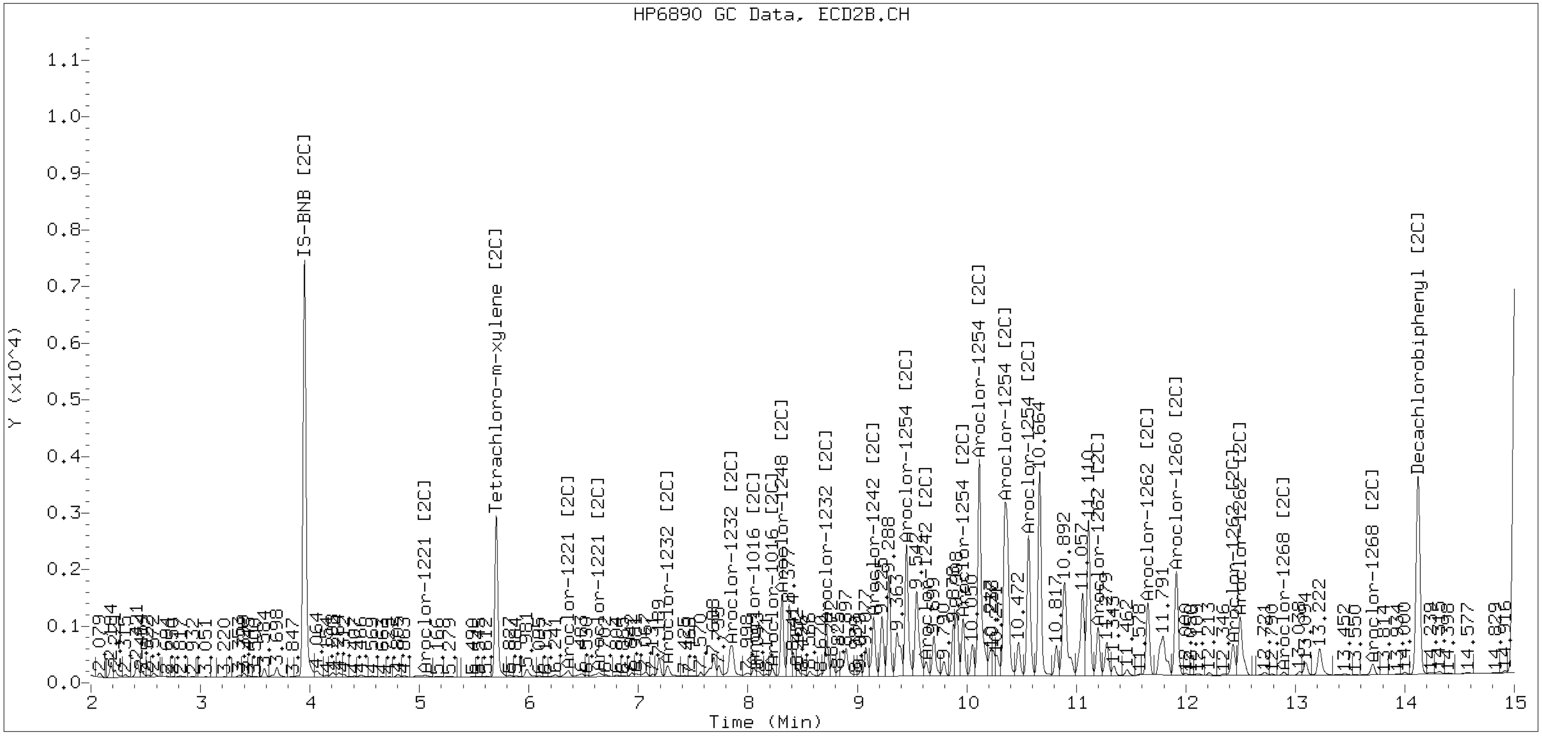
Manual Peak Adjustment, ZB-35

Datafile: ecd7.i/230107.b/230107.b/01072370ECD7.D   Injection Date: 08-JAN-2023

Manual Integration (After)



Processed Integration (Before)



PREPARATION BATCH SUMMARY

EPA 8082A

Laboratory: Analytical Resources, LLC

SDG: 22L0307

Client: Anchor QEA, LLC

Project: AOC4 UR Phase 3

Batch: BKL0581

Batch Matrix: Solid

Preparation: EPA 3546 (Microwave)

SAMPLE NAME	LAB SAMPLE ID	LAB FILE ID	DATE PREPARED	OBSERVATIONS
LDW22-IT793A	22L0307-01	01052389ECD7.D	12/27/22 14:11	
LDW22-IT793B	22L0307-02	12312229ECD7.D	12/27/22 14:11	
LDW22-IT793C	22L0307-03	12312230ECD7.D	12/27/22 14:11	
LDW22-IT793D	22L0307-04	12312231ECD7.D	12/27/22 14:11	
LDW22-IT793D-FD	22L0307-05	12312232ECD7.D	12/27/22 14:11	
LDW22-IT793E	22L0307-06	12312233ECD7.D	12/27/22 14:11	
LDW22-IT793F	22L0307-07	12312234ECD7.D	12/27/22 14:11	
LDW22-IT795B	22L0307-08	01032306ECD7.D	12/27/22 14:11	
LDW22-IT795C	22L0307-09	01032307ECD7.D	12/27/22 14:11	
LDW22-IT795C-FD	22L0307-10	01032308ECD7.D	12/27/22 14:11	
LDW22-IT795D	22L0307-11	12312240ECD7.D	12/27/22 14:11	
LDW22-IT795E	22L0307-12	12312241ECD7.D	12/27/22 14:11	
LDW22-IT795F	22L0307-13	12312242ECD7.D	12/27/22 14:11	
LDW22-IT795G	22L0307-14	12312243ECD7.D	12/27/22 14:11	
LDW22-IT806A	22L0307-15	12312244ECD7.D	12/27/22 14:11	
LDW22-IT806B	22L0307-16	12312245ECD7.D	12/27/22 14:11	
LDW22-IT806C	22L0307-17	12312246ECD7.D	12/27/22 14:11	
LDW22-IT806D	22L0307-18	12312247ECD7.D	12/27/22 14:11	
LDW22-IT806E	22L0307-19	12312248ECD7.D	12/27/22 14:11	
LDW22-IT806F	22L0307-20	12312249ECD7.D	12/27/22 14:11	
Blank	BKL0581-BLK1	12312222ECD7.D	12/27/22 14:11	
LCS	BKL0581-BS1	12312223ECD7.D	12/27/22 14:11	
LCS Dup	BKL0581-BSD1	12312224ECD7.D	12/27/22 14:11	
LDW22-IT795F	BKL0581-MS1	12312226ECD7.D	12/27/22 14:11	
LDW22-IT795F	BKL0581-MSD1	12312227ECD7.D	12/27/22 14:11	
Reference	BKL0581-SRM1	12312225ECD7.D	12/27/22 14:11	

Analytical Resources, LLC
Analytical Chemists and Consultants

ORGANICS PREPARATION BENCH SHEET

Batch: BKL0581

Prepared using: EPA 3546 (Microwave)

8082A PCB Solid 4 in Solid (Version:7 Aroclors)

Matrix: Solid **Date Prepared:** 12/27/22 **Balance ID:** B139298002 **Set Up By:** OTO 12/22/22

WO Comments

22L0307: <G> BPR Project batch as much as possible </G> <C>EPR SRM, MS, DUP </C> <M>BPR PS, MS/MSD </M> <E>BPR 8270E RM H002055, SIM RM H010158, PCB RM J006840-43, 7935-36, MS/MSD </E>
<H>BPR J006840-43, 7935-36 Dup </H> Store immediately in freezer (except GS)

The following standards may be missing from this batch!

Designator	Description
QLS 5	QLS Spike

Analysis: 8082A PCB Solid 4

Lab Number & Container	% Solids	Initial (g) Target Dry: 12.5 (Wet)	Actual	(REQ) Acid C/U (5mL)	(REQ) Sulfur C/U (5mL) 1 2 3	(REQ) Silica Gel C/U (2:5)	Final Effective Vol (mL)	Vol (mL) to Lab	Extraction Comments
22L0307-01 B	72.7	(17.20)	17.21	5mL	5mL	2mL	2.5	1.0	
22L0307-02 B	69.8	(17.92)	17.92	5mL	5mL	2mL	2.5	1.0	
22L0307-03 B	70.9	(17.64)	17.66	5mL	5mL	2mL	2.5	1.0	
22L0307-04 B	70.9	(17.64)	17.64	5mL	5mL	2mL	2.5	1.0	
22L0307-05 B	72.2	(17.31)	17.36	5mL	5mL	2mL	2.5	1.0	
22L0307-06 B	77.0	(16.24)	16.28	5mL	5mL	2mL	2.5	1.0	
22L0307-07 B	77.7	(16.10)	16.16	5mL	5mL	2mL	2.5	1.0	
22L0307-08 B	69.3	(18.03)	18.07	5mL	5mL	2mL	2.5	1.0	
22L0307-09 B	70.6	(17.71)	17.87	5mL	5mL	2mL	2.5	1.0	
22L0307-10 B	71.0	(17.61)	17.62	5mL	5mL	2mL	2.5	1.0	
22L0307-11 B	72.9	(17.16)	17.30	5mL	5mL	2mL	2.5	1.0	
22L0307-12 B	74.5	(16.79)	16.79	5mL	5mL	2mL	2.5	1.0	
22L0307-13 B	79.3	(15.77)	15.87	5mL	5mL	2mL	2.5	1.0	
22L0307-14 B	78.1	(16.00)	16.02	5mL	5mL	2mL	2.5	1.0	
22L0307-15 B	75.4	(16.57)	16.61	5mL	5mL	2mL	2.5	1.0	
22L0307-16 B	61.6	(20.30)	20.30	5mL	5mL	2mL	2.5	1.0	
22L0307-17 B	61.3	(20.41)	20.41	5mL	5mL	2mL	2.5	1.0	
22L0307-18 B	67.5	(18.51)	18.54	5mL	5mL	2mL	2.5	1.0	
22L0307-19 B	76.8	(16.28)	16.28	5mL	5mL	2mL	2.5	1.0	
22L0307-20 B	79.0	(15.83)	15.87	5mL	5mL	2mL	2.5	1.0	

Batch QC

Lab Number	% Solids	Initial (g) Target Dry: 12.5 (Wet)	Actual	(REQ) Acid C/U (5mL)	(REQ) Sulfur C/U (5mL) 1 2 3	(REQ) Silica Gel C/U (2:5)	Final Effective Vol (mL)	Vol (mL) to Lab	Extraction Comments
BKL0581-BLK1	100.0	(12.50)	12.50	5mL	5mL	2mL	2.5	1.0	(10g Actual Wt.)
BKL0581-BS1	100.0	(12.50)	12.50	5mL	5mL	2mL	2.5	1.0	(10g Actual Wt.)
BKL0581-BSD1	100.0	(12.50)	12.50	5mL	5mL	2mL	2.5	1.0	(10g Actual Wt.)
BKL0581-MS1	79.3	(15.77)	15.87	5mL	5mL	2mL	2.5	1.0	Use 22L0307-13
BKL0581-MSD1	79.3	(15.77)	15.87	5mL	5mL	2mL	2.5	1.0	Use 22L0307-13
BKL0581-SRM1	100.0	(~~12.50~~) (2.50)	2.50	5mL	5mL	2mL	2.5	1.0	Use K010815

+1g DI WATER

ORGANICS PREPARATION BENCH SHEET

Batch: BKL0581

Prepared using: EPA 3546 (Microwave)

8082A PCB Solid 4 in Solid (Version:7 Aroclors)

WO Comments

22L0307: <G> BPR Project batch as much as possible </G> <C>BPR SRM, MS, DUP </C> <M>BPR PS, MS/MSD </M> <E>BPR 8270E RM H002055, SIM RM H010158, PCB RM J006840-43, 7935-36, MS/MSD </E>
<H>BPR J006840-43, 7935-36 Dup </H> Store immediately in freezer (except GS)

CL	12/27/22		12/30/22	12/27/22 14:11
Client ID verified By	Date	Preparation Reviewed By	Date	Extraction Date and Time

Analytical Resources, LLC
Analytical Chemists and Consultants

ORGANICS PREPARATION BENCH SHEET

Batch: BKL0581

Prepared using: EPA 3546 (Microwave)

8082A PCB Solid 4 in Solid (Version:7 Aroclors)

WO Comments

22L0307: <G> BPR Project batch as much as possible </G> <C>BPR SRM, MS, DUP </C> <M>BPR PS, MS/MSD </M> <E>BPR 8270E RM H002055, SIM RM H010158, PCB RM J006840-43, 7935-36, MS/MSD </E> <H>BPR J006840-43, 7935-36 Dup </H> Store immediately in freezer (except GS)

Prep Steps

Microwave
CJ [✓ 1] 2 3
YL 12/27/22
Analyst/Date

KD
100°C
Hexane Exchange
(2 X 20 mL)
1 2 3 4 [✓ 5] 6
CP 12/28/22
Analyst/Date

TurboVap
Pre Cleanups
1 [✓ 2] 3 4 5
LJ 12/29/22
Analyst/Date

TurboVap
Post Cleanups
1 2 [✓ 3] 4 5
LJ 12/30/22
Analyst/Date

Vialing
LJ 12/30/22
Analyst/Date

Reagents Used

Station/Reagent	Standard ID
Microwave **Analyst:** YL/CJ **Date:** 12/27/22	
Neutral Glass Wool	K010562
1:1 Hexane/Acetone	K011642
Hexane	K011373
Anhydrous Sodium Sulfate	K011562
KD **Analyst:** CP **Date:** 12/28/22	
Anhydrous Sodium Sulfate	
Hexane	K011373
Vialing **Analyst:** LJ **Date:** 12/30/22	
Hexane	K011373
Concentrated Sulfuric Acid	K010364
Silica Gel (SPE) Darts	K011573
Sodium Sulfite	K003744
Tetrabutylammonium ~~hydrogensulfate (TBAS)~~	K011530

Surrogates & Spike Standards Used

Type	Vial ID / Standard ID	Vol uL	Analyst	Witness
Surrogate 2µg/mL	N K011752 YL Exp Date: 1/23/2023	50µL	CJ	YL
Spike 20µg/mL	1 K008150 YL Exp Date: 3/5/2023 2 YL 12/27/22	63µL	CJ	YL

MANUALLY ENTER EXPIRATION DATES!

(V) indicates a virtual standard combining two or more physical standards. In these cases the Standard ID refers to the virtual standard, not the parent standards.

If a Standard ID is missing, but should be present, check the standard definition in Element LIMS to be sure Standard Info 6 has the correct letter or number designator matching the vial designator inthe Standard ID column. If it is correct, check the batch and bench sheet in Element LIMS to be sure the correct standards are selected for surrogate(s) and spike(s).

Printed: 12/22/2022 1:23:38PM

3099F

Analytical Resources, LLC
Analytical Chemists and Consultants

ORGANICS PREPARATION BENCH SHEET

Batch: BKL0581

Prepared using: EPA 3546 (Microwave)

8082A PCB Solid 4 in Solid (Version:7 Aroclors)

WO Comments

22L0307: <G> BPR Project batch as much as possible </G> <C>BPR SRM, MS, DUP </C> <M>BPR PS, MS/MSD </M> <E>BPR 8270E RM H002055, SIM RM H010158, PCB RM J006840-43, 7935-36, MS/MSD </E>
<H>BPR J006840-43, 7935-36 Dup </H> Store immediately in freezer (except GS)

Prep Instructions	
SPECIAL INSTRUCTIONS: 1. Weigh soil/sed into beakers-lightly dry with sodium sulfate. 2. Transfer to microwave vessel(s). Note: (do not fill vessels more than 2/3rd full. Some samples may require two vessels). 3. Add 1:1 Hexane/Acetone until the solvent layer is 3 inches above the soil layer after homogenization. 4. Add surr/spike. 5. Microwave on appropriate power setting determined by # of samples. 6. After microwave-Re-homogenize while hot then cool vessels in R-05 15 minutes. Re-homogenize while cool. 7. Decant 1:1 Hex/Ace into Erlenmeyer flask with sodium sulfate in bottom and funnel with neutral glasswool plug. 8. Re-homogenize and rinse with 1:1 Hexane/Acetone. 9. Let cool and decant solvent then empty the soil into the funnel and rinse with Hexane. 10. KD on 100° bath. 11. Exchange (2 X with 20mL) Hexane. 12. TurboVap. 13. Clean-ups. 14. TurboVap. 15. Vial with Hexane. A. Need Total Solids Y [✓ N] B. Archive/Freeze [✓ Y] N	

Analytical Resources, Incorporated
Analytical Chemists and Consultants

Organic Extractions Laboratory
Analyst Notes

Extraction Parameter: PCB
Extraction Batch BKL0581

Total Solids Batch: BKL0482
Work Order(s): 22L0307 01-20

Screens: Soil/Sediment/Solid/Other:	Analyst/Date
☒ No Anomalies (standard soil/wet sediment/sand/gravel)= 01-20	CR 12/20/22
☒ Standing Water Decanted (Not shared)= 01-03, 05, 08, 10, 11, 15, 16, 17	CR 12/20/22
☐ Standing Water Homogenized (Shared samples)=	
☐ Clay/Clumps (Difficult to homogenize)=	
☐ Rocks (%+size)?	
☐ Organics (Leaves/sticks/grass)=	
☐ Oily, obvious fuel/sulfur odors=	
☐ Received in 32oz jar(s)=Homogenized in Pyrex dish=	
☒ Previously Frozen = 01-20	CR 12/20/22
☐ Other (Details)=	
Aqueous:	
No Anomalies	
☐ Turbid/Color=	
☐ Particulates(%)=(Note: >5%=Notify Supervisor/Lead)	
☐ Emulsions (%)=	
☐ Oily, obvious fuel/sulfur odors=	
☐ Other (Details)=	
☐ Received in 1.0L Bottle(s)=No Bottle Rinse=	
☒ Other Notes/Comments= (Note problems, concerns, corrective actions).	
307-01 dropped while loading into SPE, lost 30-40 μL of 2mL. added Hexane to bring volume back up to ~2mL	LJ 12/30/22
☒ Share Samples Y [✓ N]	CR 12/20/22
☒ Multiple Jars Y [✓ N]	CR 12/20/22
☐ Sample Pre-Screens indicate analyte activity=	
☐ Sample weights/volumes reduced based on Pre-Screen=	

3056F

Revision 15
07/01/19

```
Data File C:\HPCHEM\1\DATA\122022\001F0101.D                          Sample Name: DCM RINSE
    =================================================================================
    Injection Date  : 12/20/2022 12:15:05 PM          Seq. Line :   1
    Sample Name     : DCM RINSE                        Location : Vial 1
    Acq. Operator   : CR                                    Inj :   1
                                                     Inj Volume : 1 µl
    Sequence File   : C:\HPCHEM\1\SEQUENCE\122022.S
    Method          : C:\HPCHEM\1\METHODS\SCREEN.M
    Last changed    : 7/9/2021 3:37:33 AM by TW
    SCREEN METHOD
    =================================================================================
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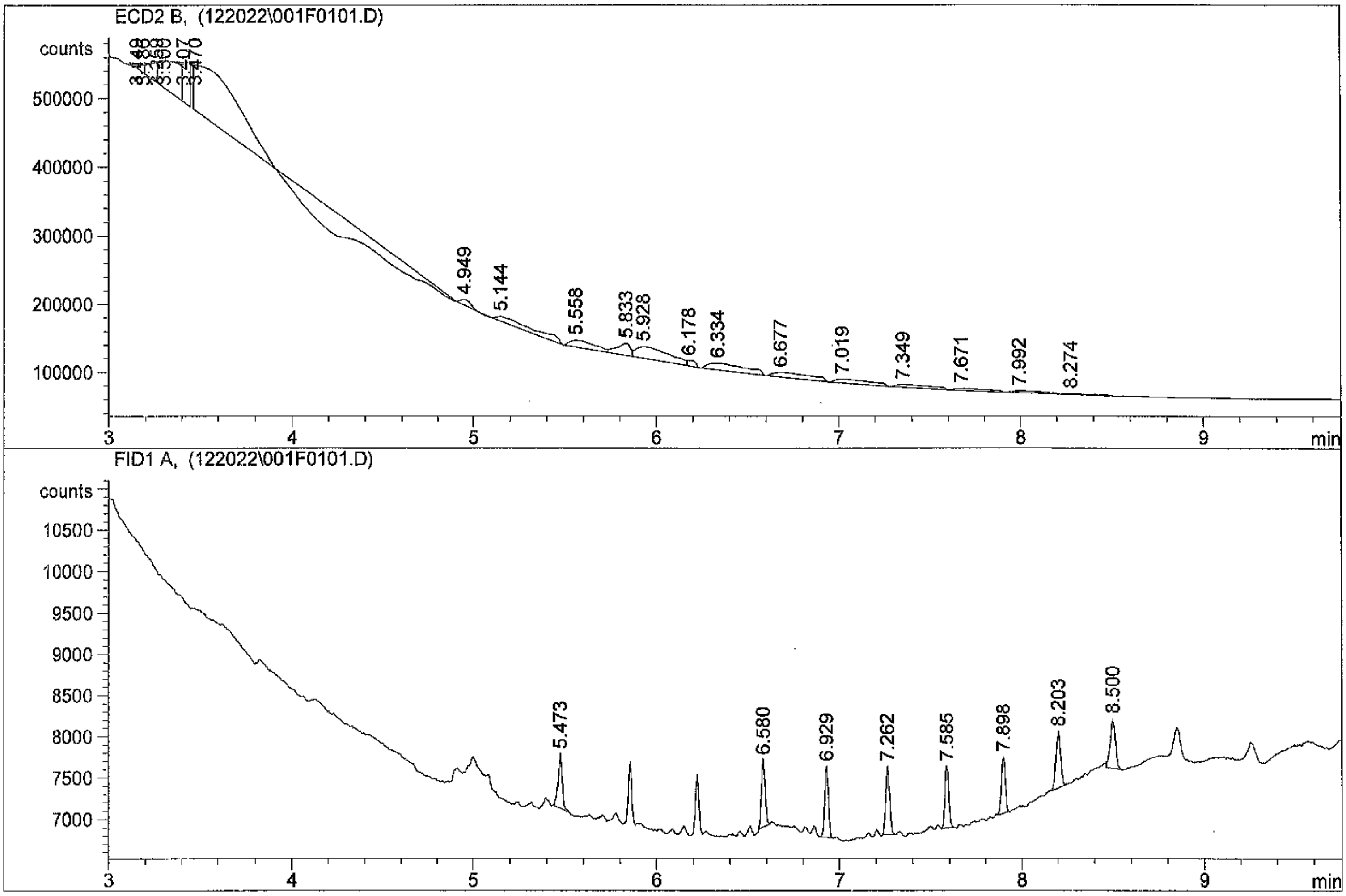

*** End of Report ***

```
Data File C:\HPCHEM\1\DATA\122022\002F0201.D                       Sample Name: PNA STD 10PPM
   =====================================================================
   Injection Date  : 12/20/2022 12:29:25 PM          Seq. Line :   2
   Sample Name     : PNA STD 10PPM                    Location : Vial 2
   Acq. Operator   : CR                                    Inj :   1
                                                   Inj Volume : 1 µl
   Sequence File   : C:\HPCHEM\1\SEQUENCE\122022.S
   Method          : C:\HPCHEM\1\METHODS\SCREEN.M
   Last changed    : 7/9/2021 3:37:33 AM by TW
   SCREEN METHOD
   =====================================================================
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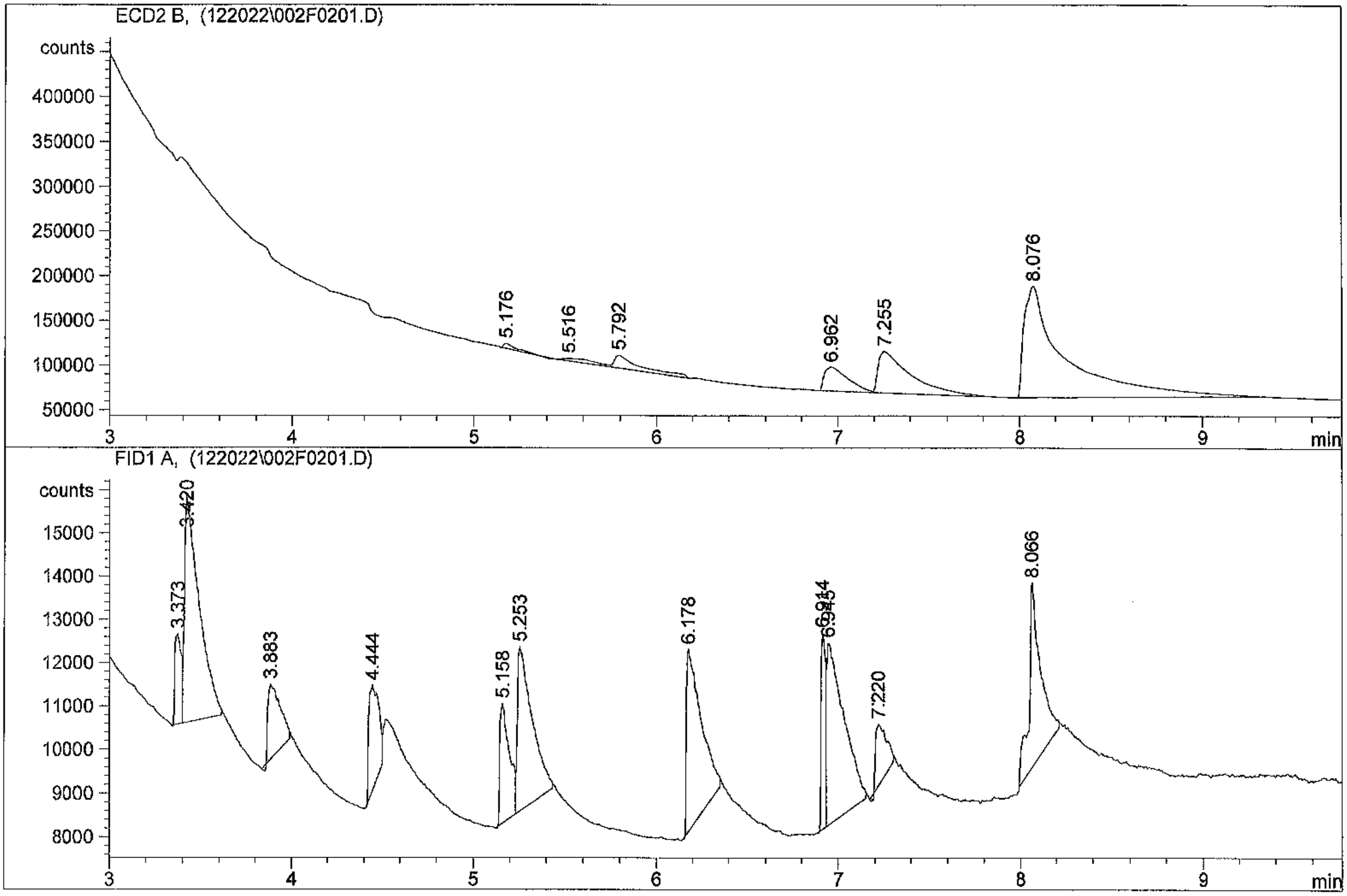

*** End of Report ***

```
Data File C:\HPCHEM\1\DATA\122022\003F0301.D                          Sample Name: AR1660 1PPM
    ===================================================================
    Injection Date  : 12/20/2022 12:42:47 PM          Seq. Line :    3
    Sample Name     : AR1660 1PPM                      Location : Vial 3
    Acq. Operator   : CR                                    Inj :    1
                                                    Inj Volume : 1 µl
    Sequence File   : C:\HPCHEM\1\SEQUENCE\122022.S
    Method          : C:\HPCHEM\1\METHODS\SCREEN.M
    Last changed    : 7/9/2021 3:37:33 AM by TW
    SCREEN METHOD
    ===================================================================
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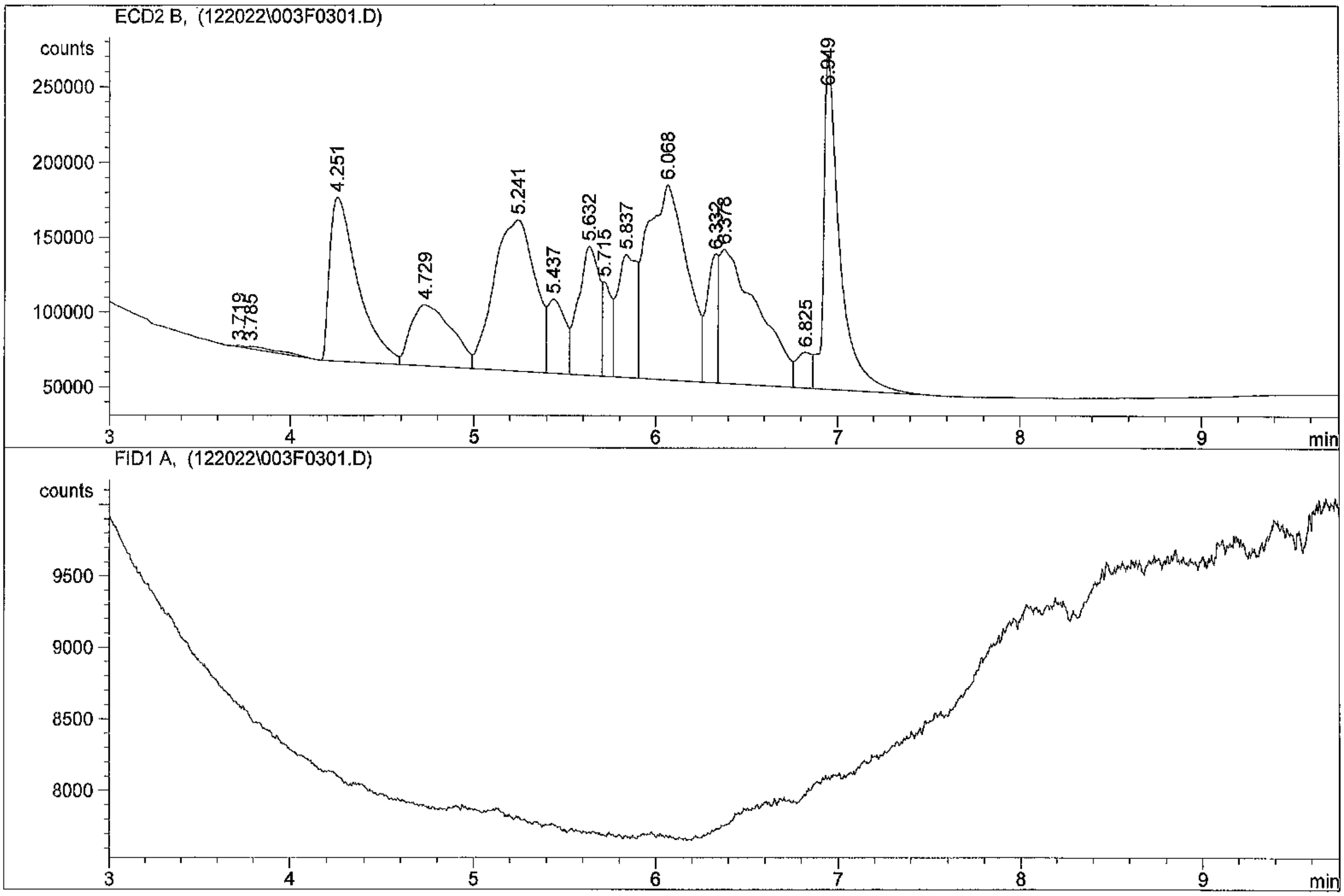
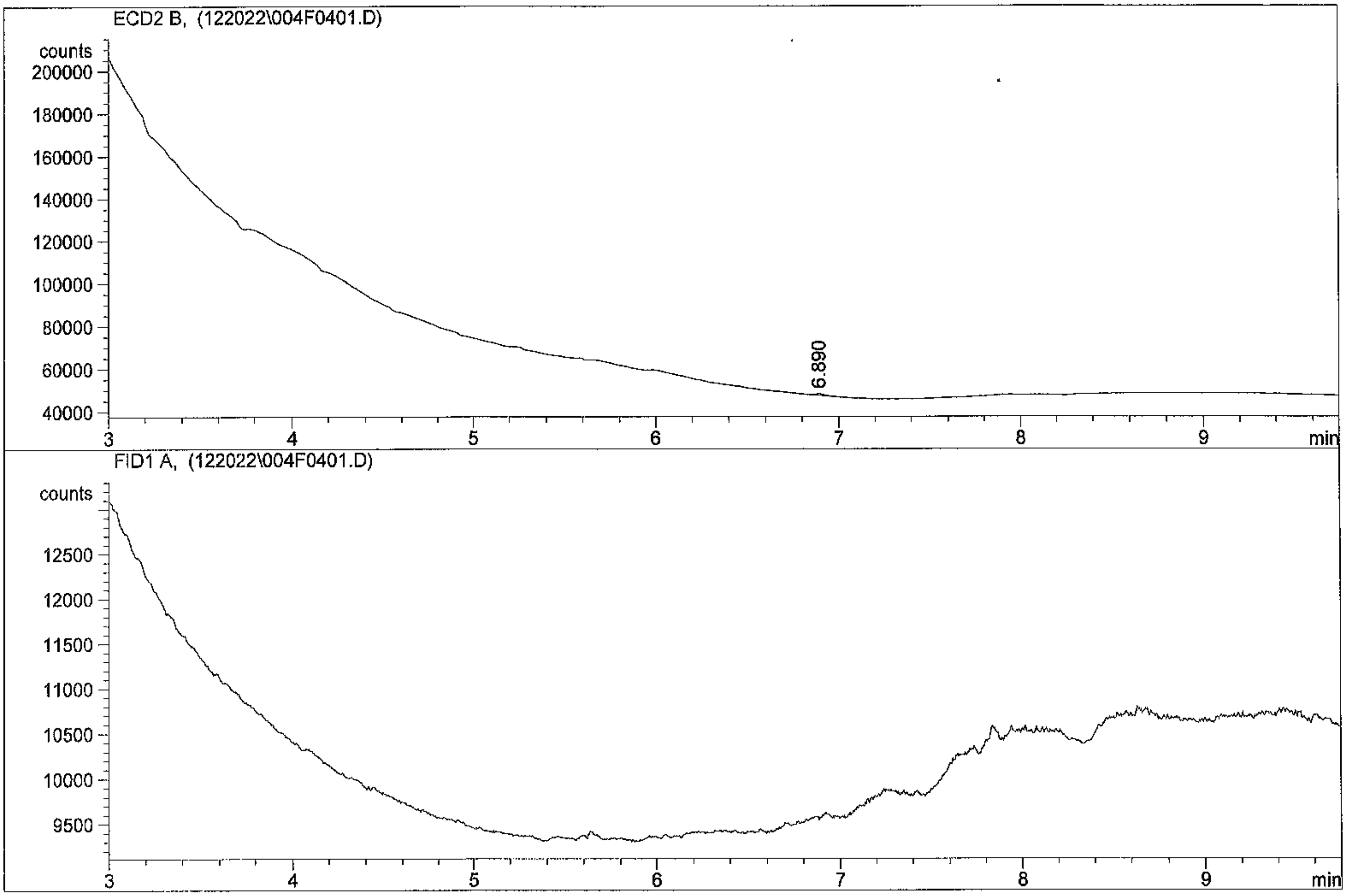


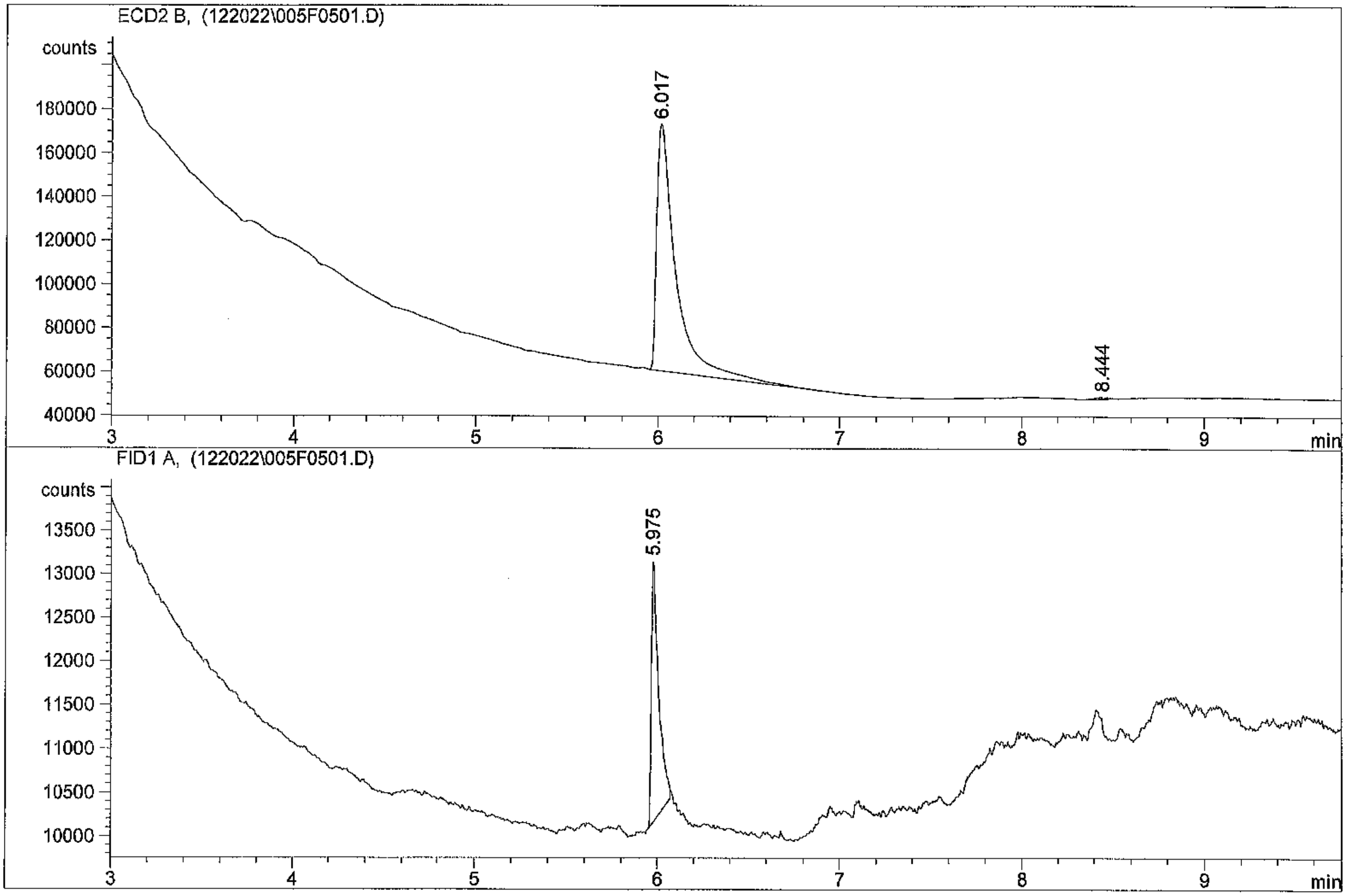
*** End of Report ***

```
Data File C:\HPCHEM\1\DATA\122022\004F0401.D                      Sample Name: 22L0307 01
    ===================================================================
    Injection Date  : 12/20/2022 12:56:36 PM         Seq. Line :    4
    Sample Name     : 22L0307 01                      Location : Vial 4
    Acq. Operator   : CR                                   Inj :    1
                                                    Inj Volume : 1 µl
    Sequence File   : C:\HPCHEM\1\SEQUENCE\122022.S
    Method          : C:\HPCHEM\1\METHODS\SCREEN.M
    Last changed    : 7/9/2021 3:37:33 AM by TW
    SCREEN METHOD
    ===================================================================
```



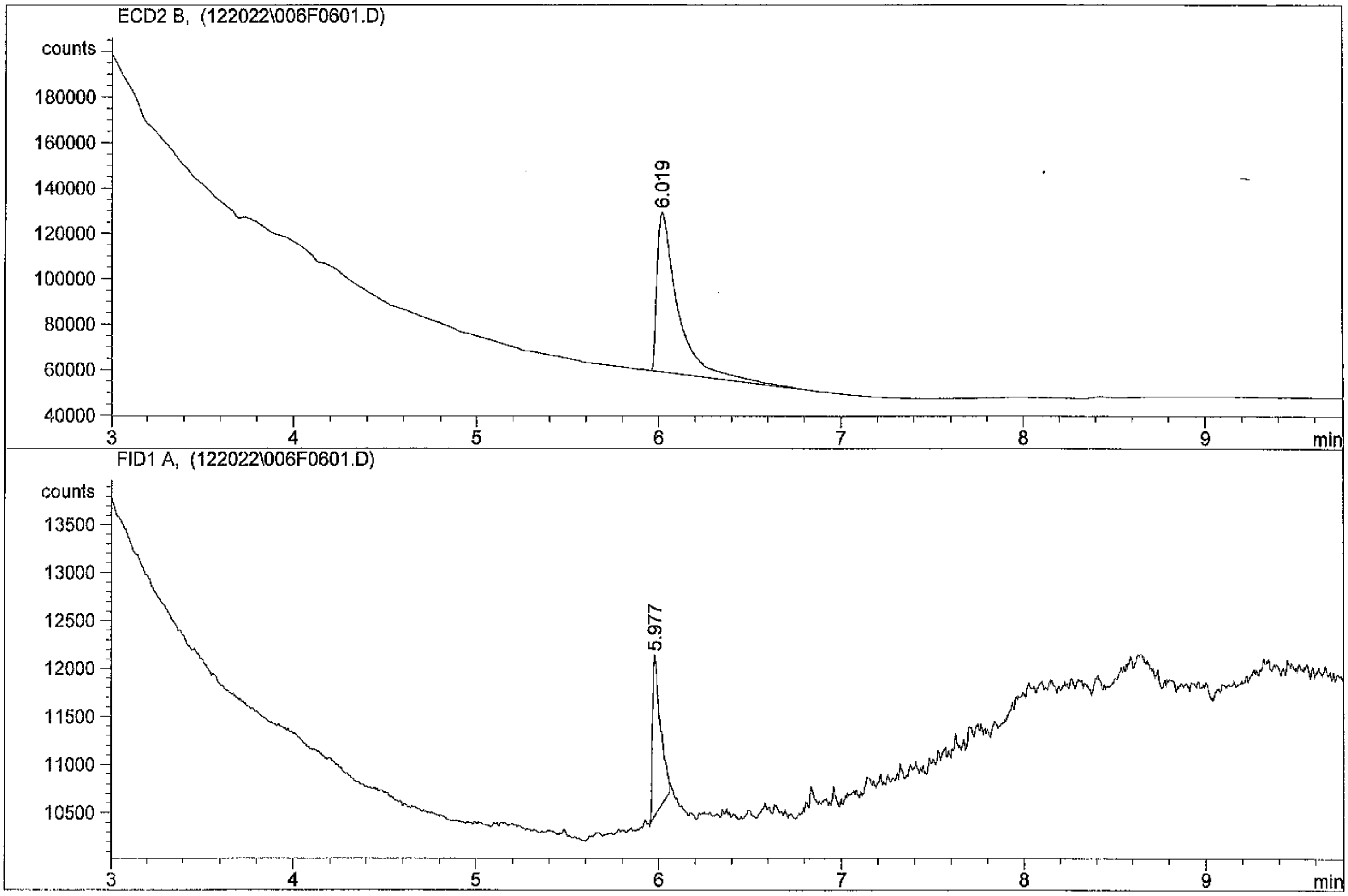
*** End of Report ***

```
Data File C:\HPCHEM\1\DATA\122022\005F0501.D                                      Sample Name: 22L0307 02
    =========================================================================
    Injection Date  : 12/20/2022 1:11:14 PM          Seq. Line :    5
    Sample Name     : 22L0307 02                      Location : Vial 5
    Acq. Operator   : CR                                   Inj :    1
                                                    Inj Volume : 1 µl
    Sequence File   : C:\HPCHEM\1\SEQUENCE\122022.S
    Method          : C:\HPCHEM\1\METHODS\SCREEN.M
    Last changed    : 7/9/2021 3:37:33 AM by TW
    SCREEN METHOD
    =========================================================================
```



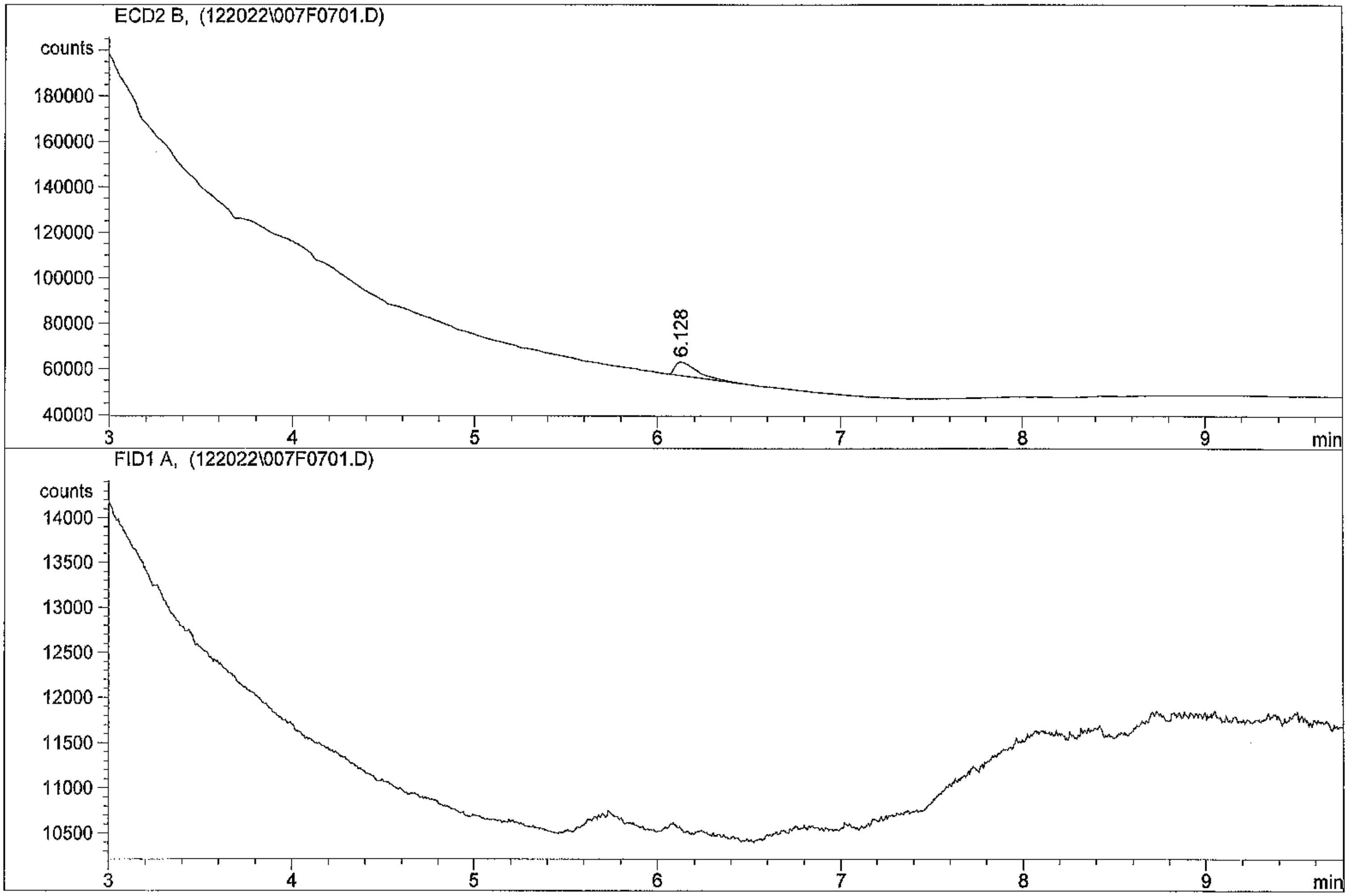
*** End of Report ***

```
Data File C:\HPCHEM\1\DATA\122022\006F0601.D                              Sample Name: 22L0307 03
    =====================================================================
    Injection Date  : 12/20/2022 1:25:47 PM          Seq. Line :   6
    Sample Name     : 22L0307 03                      Location : Vial 6
    Acq. Operator   : CR                                   Inj :   1
                                                    Inj Volume : 1 µl
    Sequence File   : C:\HPCHEM\1\SEQUENCE\122022.S
    Method          : C:\HPCHEM\1\METHODS\SCREEN.M
    Last changed    : 7/9/2021 3:37:33 AM by TW
    SCREEN METHOD
    =====================================================================
```



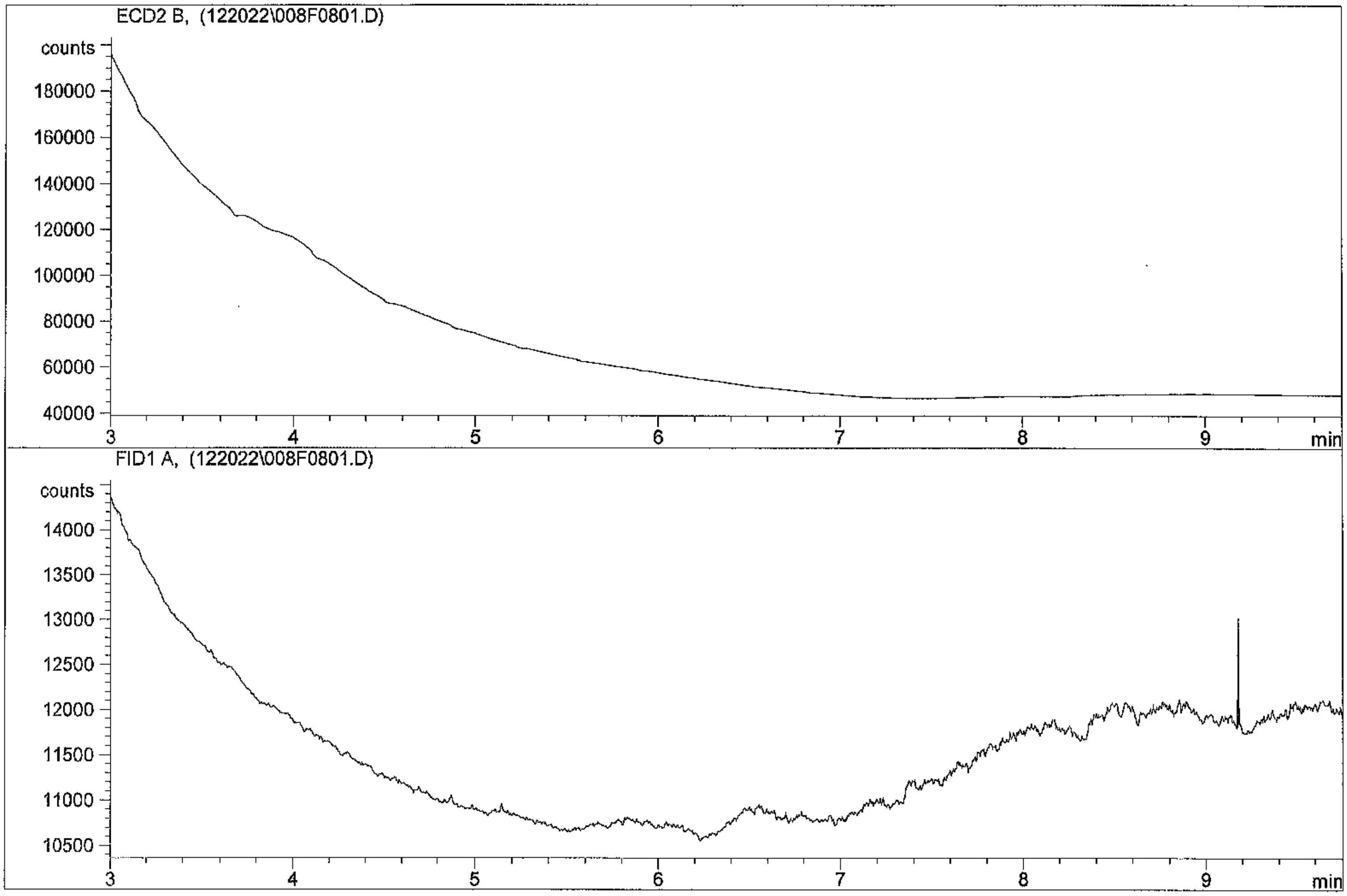
*** End of Report ***

```
Data File C:\HPCHEM\1\DATA\122022\007F0701.D                      Sample Name: 22L0307 04
    =====================================================================
    Injection Date  : 12/20/2022 1:40:18 PM          Seq. Line :    7
    Sample Name     : 22L0307 04                       Location : Vial 7
    Acq. Operator   : CR                                    Inj :    1
                                                 Inj Volume : 1 µl
    Sequence File   : C:\HPCHEM\1\SEQUENCE\122022.S
    Method          : C:\HPCHEM\1\METHODS\SCREEN.M
    Last changed    : 7/9/2021 3:37:33 AM by TW
    SCREEN METHOD
    =====================================================================
```



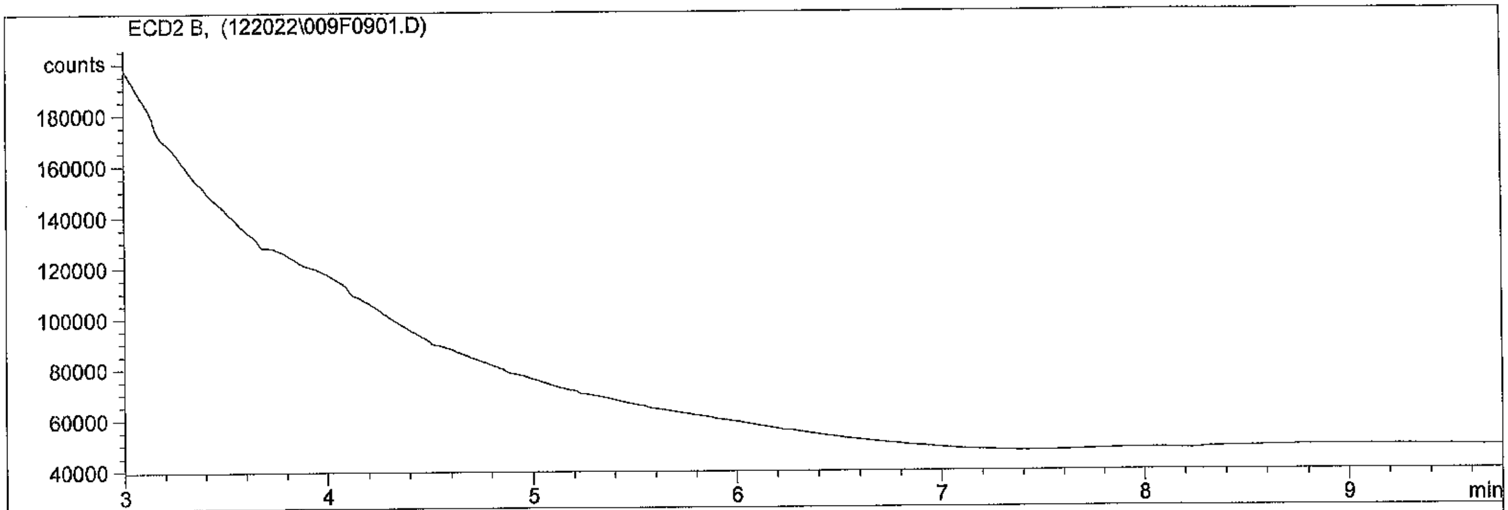
*** End of Report ***

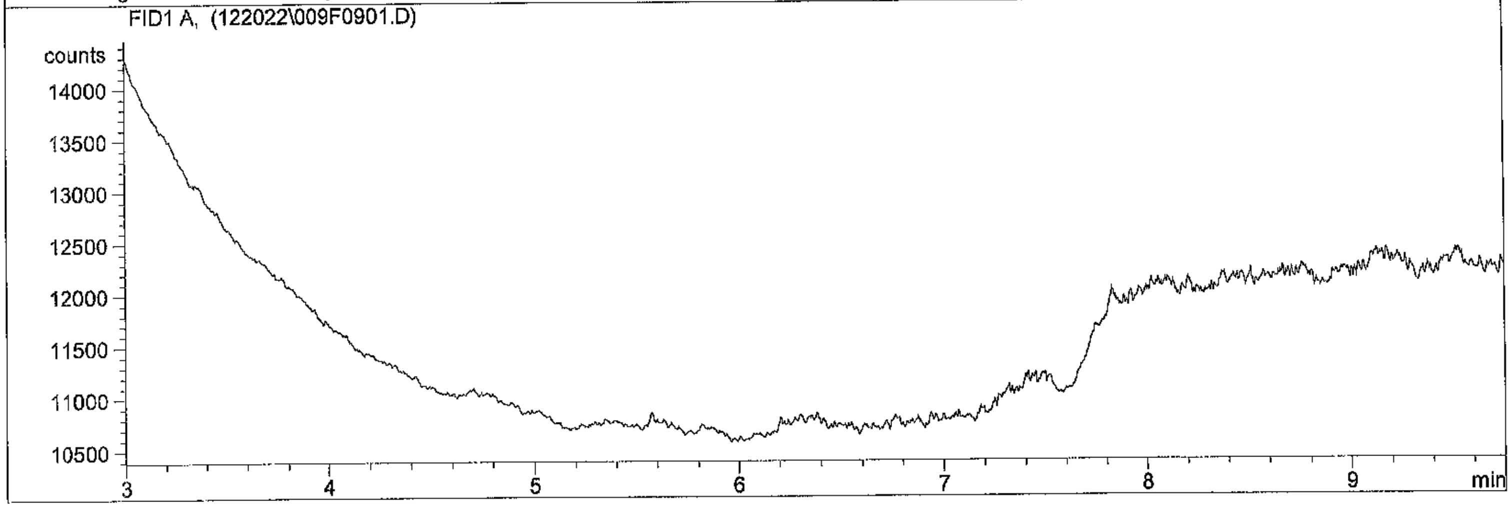
```
Data File C:\HPCHEM\1\DATA\122022\008F0801.D                          Sample Name: 22L0307 05
    =====================================================================
    Injection Date  : 12/20/2022 1:54:56 PM          Seq. Line :    8
    Sample Name     : 22L0307 05                      Location : Vial 8
    Acq. Operator   : CR                                   Inj :    1
                                                    Inj Volume : 1 µl
    Sequence File   : C:\HPCHEM\1\SEQUENCE\122022.S
    Method          : C:\HPCHEM\1\METHODS\SCREEN.M
    Last changed    : 7/9/2021 3:37:33 AM by TW
    SCREEN METHOD
    =====================================================================
```



*** End of Report ***

```
Data File C:\HPCHEM\1\DATA\122022\009F0901.D                    Sample Name: 22L0307 06
    =====================================================================
    Injection Date  : 12/20/2022 2:09:31 PM          Seq. Line :    9
    Sample Name     : 22L0307 06                      Location : Vial 9
    Acq. Operator   : CR                                   Inj :    1
                                                    Inj Volume : 1 µl
    Sequence File   : C:\HPCHEM\1\SEQUENCE\122022.S
    Method          : C:\HPCHEM\1\METHODS\SCREEN.M
    Last changed    : 7/9/2021 3:37:33 AM by TW
    SCREEN METHOD
    =====================================================================
```

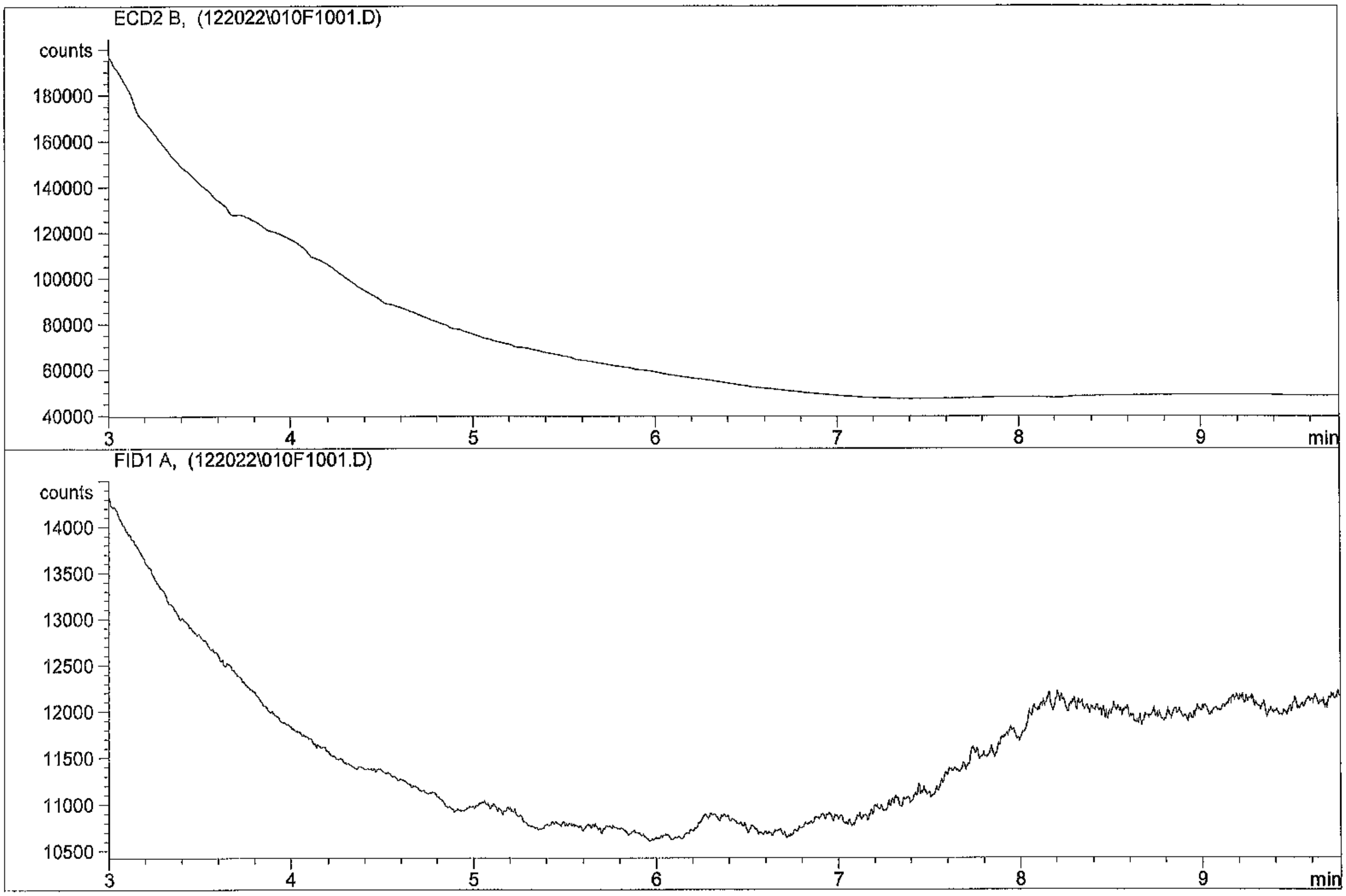




*** End of Report ***

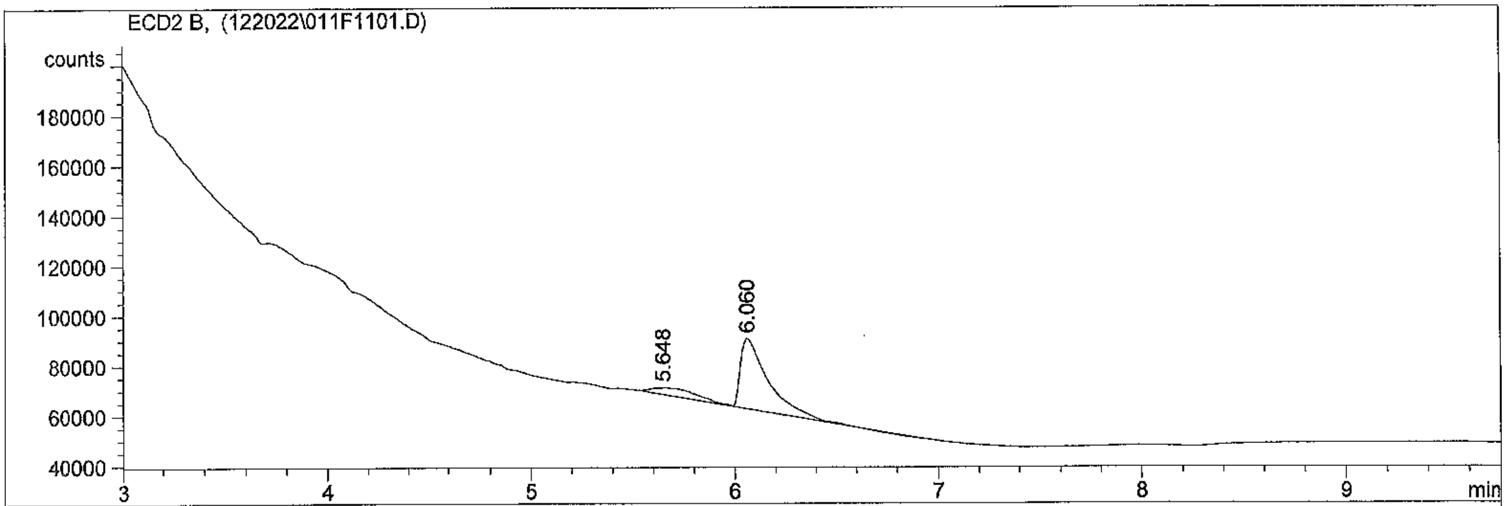
Data File C:\HPCHEM\1\DATA\122022\010F1001.D Sample Name: 22L0307 07

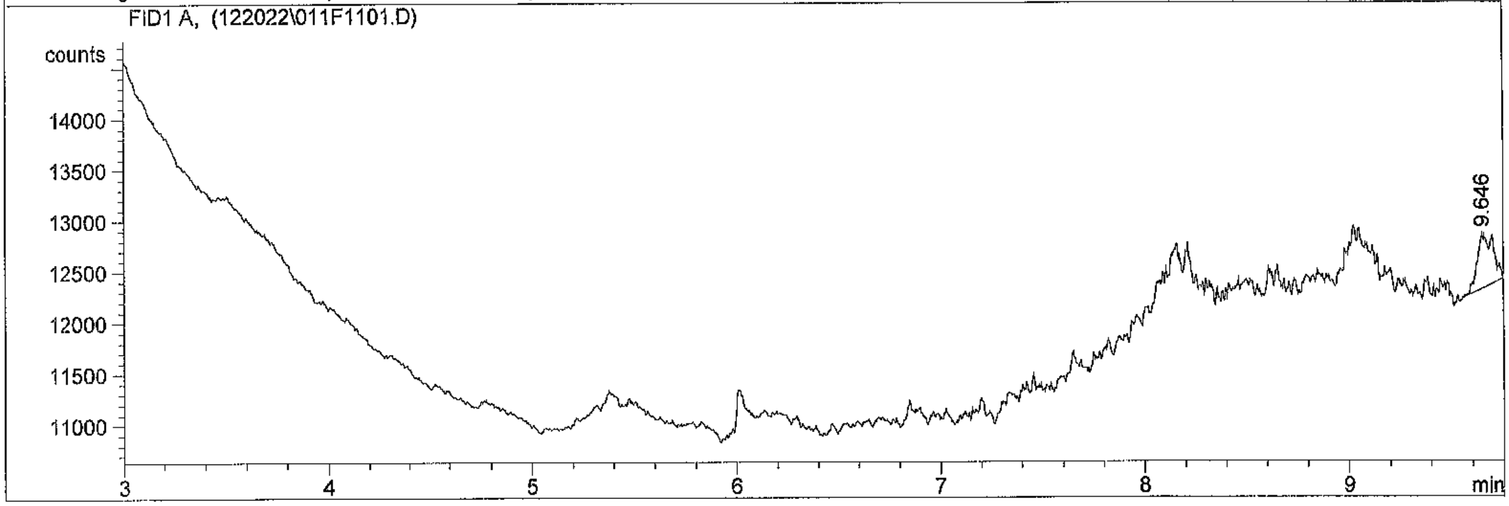
```
==================================================================
Injection Date  : 12/20/2022 2:24:07 PM        Seq. Line :  10
Sample Name     : 22L0307 07                    Location : Vial 10
Acq. Operator   : CR                                 Inj :   1
                                              Inj Volume : 1 µl
Sequence File   : C:\HPCHEM\1\SEQUENCE\122022.S
Method          : C:\HPCHEM\1\METHODS\SCREEN.M
Last changed    : 7/9/2021 3:37:33 AM by TW
SCREEN METHOD
==================================================================
```



*** End of Report ***

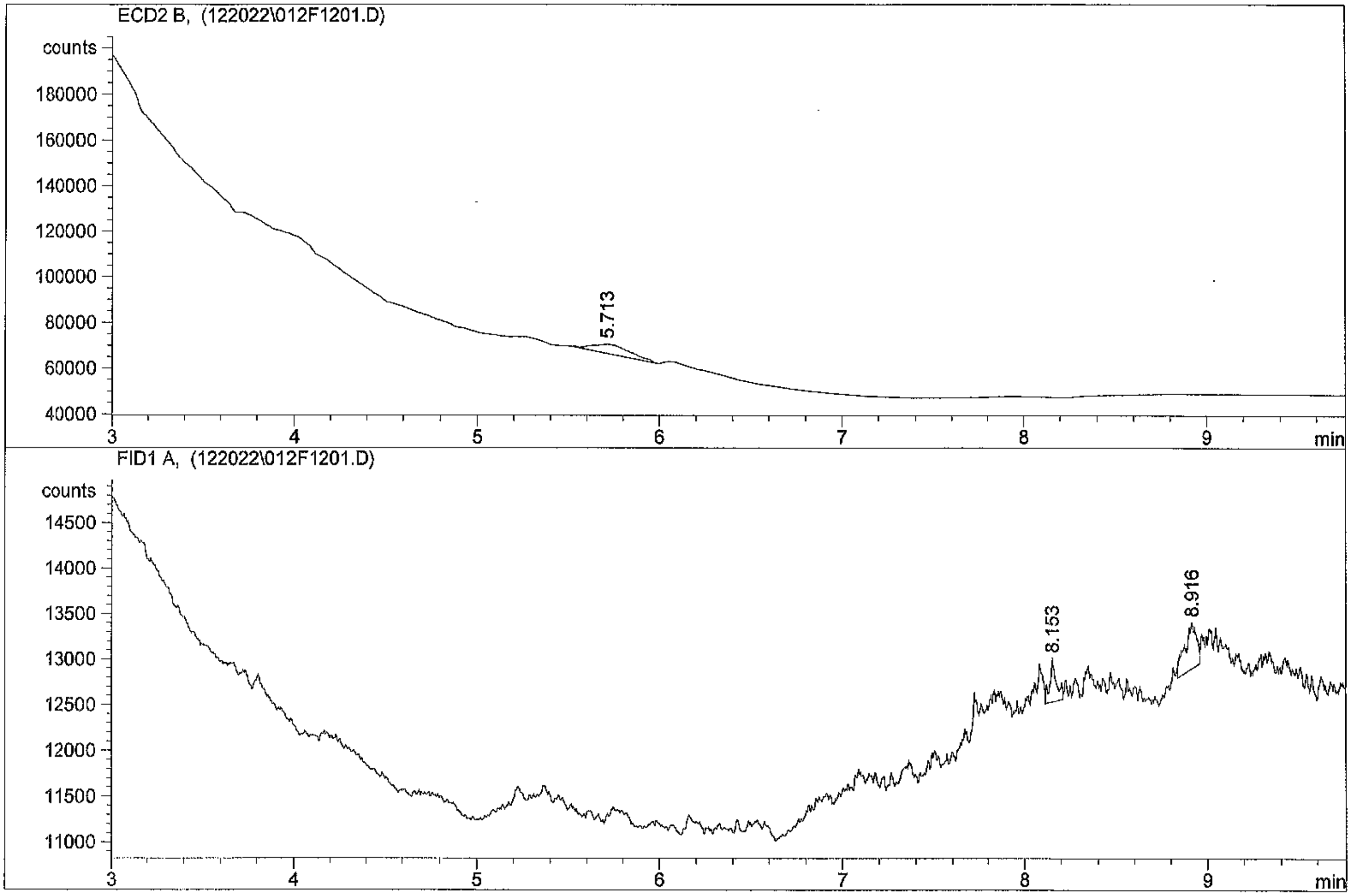
```
Data File C:\HPCHEM\1\DATA\122022\011F1101.D                                Sample Name: 22L0307 08
    ===================================================================
    Injection Date   : 12/20/2022 2:38:38 PM          Seq. Line :  11
    Sample Name      : 22L0307 08                      Location : Vial 11
    Acq. Operator    : CR                                   Inj :   1
                                                     Inj Volume : 1 µl
    Sequence File    : C:\HPCHEM\1\SEQUENCE\122022.S
    Method           : C:\HPCHEM\1\METHODS\SCREEN.M
    Last changed     : 7/9/2021 3:37:33 AM by TW
    SCREEN METHOD
    ===================================================================
```





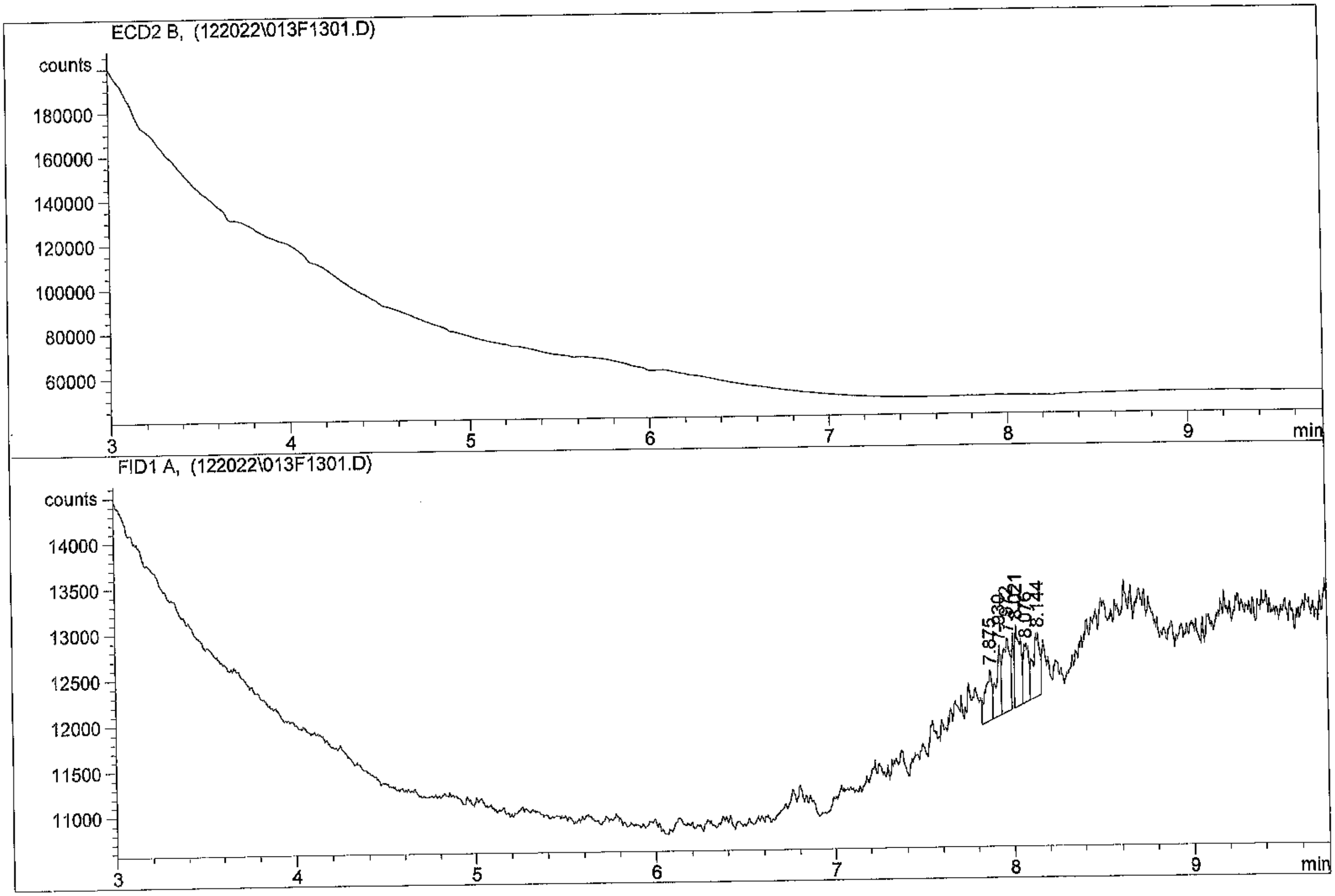
*** End of Report ***

```
Data File C:\HPCHEM\1\DATA\122022\012F1201.D                     Sample Name: 22L0307 09
    =================================================================
    Injection Date  : 12/20/2022 2:53:18 PM         Seq. Line :  12
    Sample Name     : 22L0307 09                     Location : Vial 12
    Acq. Operator   : CR                                  Inj :   1
                                                  Inj Volume : 1 µl
    Sequence File   : C:\HPCHEM\1\SEQUENCE\122022.S
    Method          : C:\HPCHEM\1\METHODS\SCREEN.M
    Last changed    : 7/9/2021 3:37:33 AM by TW
    SCREEN METHOD
    =================================================================
```



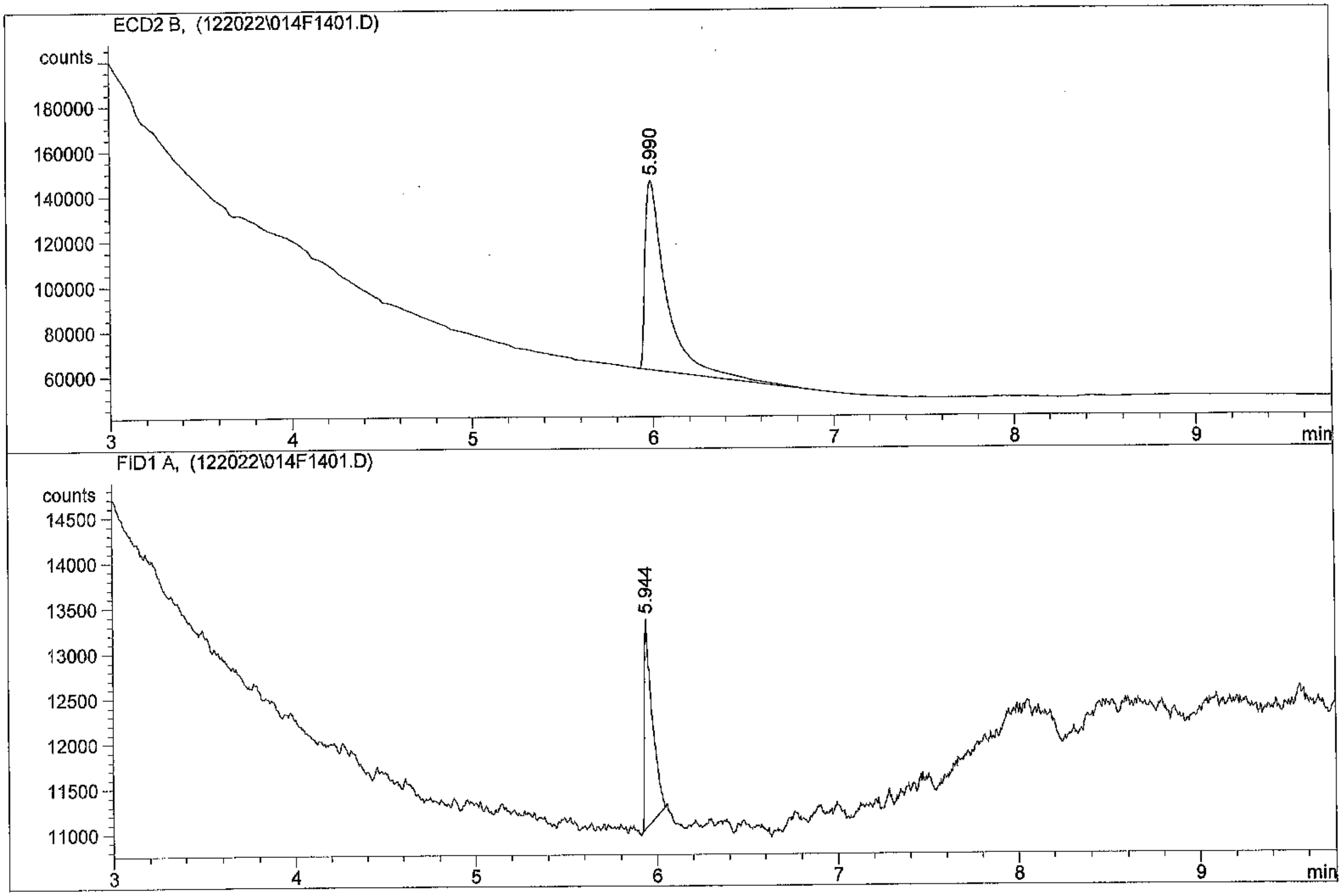
*** End of Report ***

```
Data File C:\HPCHEM\1\DATA\122022\013F1301.D                          Sample Name: 22L0307 10
=====================================================================
  Injection Date  : 12/20/2022 3:07:54 PM          Seq. Line :  13
  Sample Name     : 22L0307 10                      Location : Vial 13
  Acq. Operator   : CR                                   Inj :  1
                                                  Inj Volume : 1 µl
  Sequence File   : C:\HPCHEM\1\SEQUENCE\122022.S
  Method          : C:\HPCHEM\1\METHODS\SCREEN.M
  Last changed    : 7/9/2021 3:37:33 AM by TW
  SCREEN METHOD
=====================================================================
```



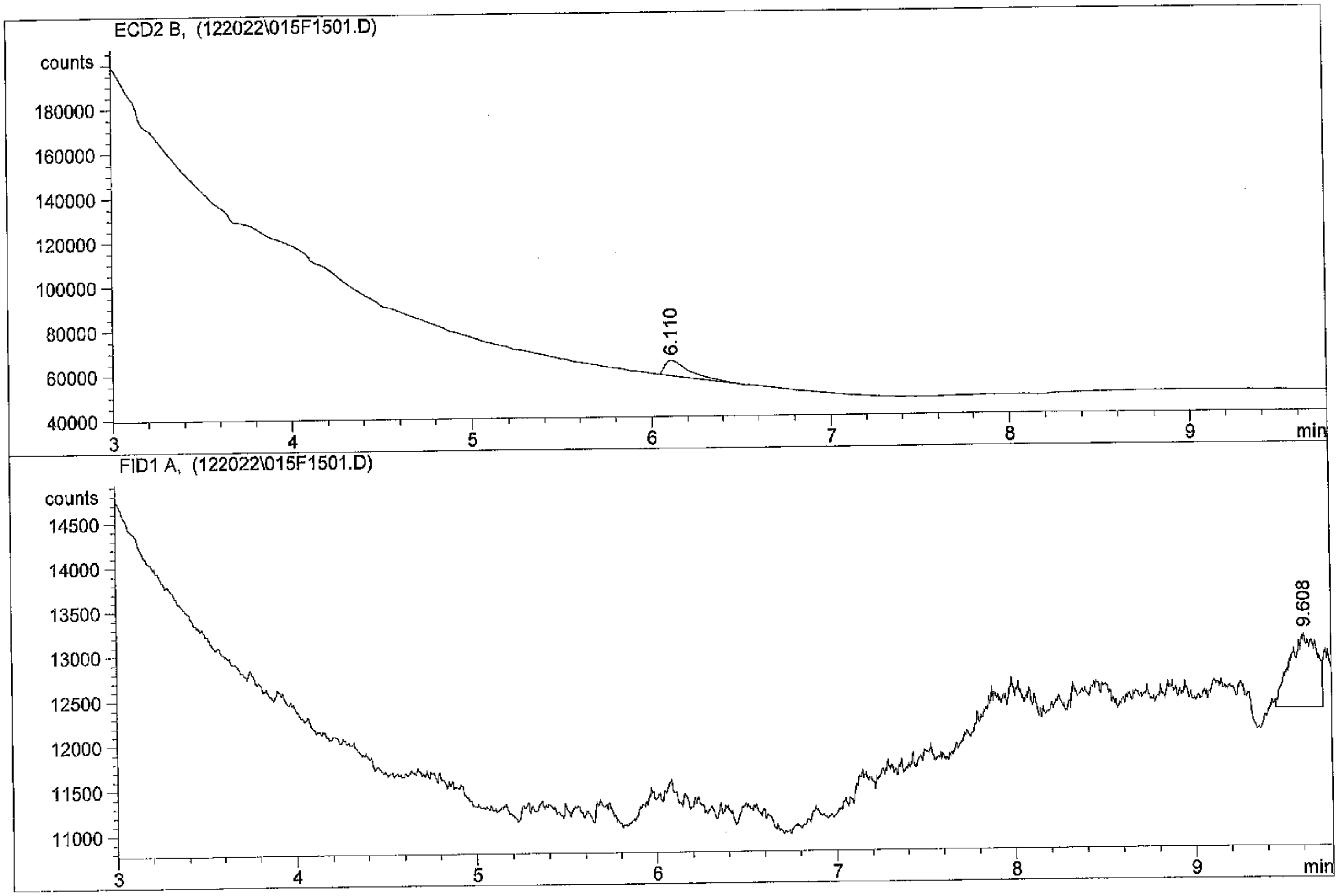
*** End of Report ***

```
Data File C:\HPCHEM\1\DATA\122022\014F1401.D                    Sample Name: 22L0307 11
    =====================================================================
    Injection Date  : 12/20/2022 3:22:27 PM          Seq. Line :  14
    Sample Name     : 22L0307 11                      Location : Vial 14
    Acq. Operator   : CR                                   Inj :   1
                                                   Inj Volume : 1 µl
    Sequence File   : C:\HPCHEM\1\SEQUENCE\122022.S
    Method          : C:\HPCHEM\1\METHODS\SCREEN.M
    Last changed    : 7/9/2021 3:37:33 AM by TW
    SCREEN METHOD
    =====================================================================
```



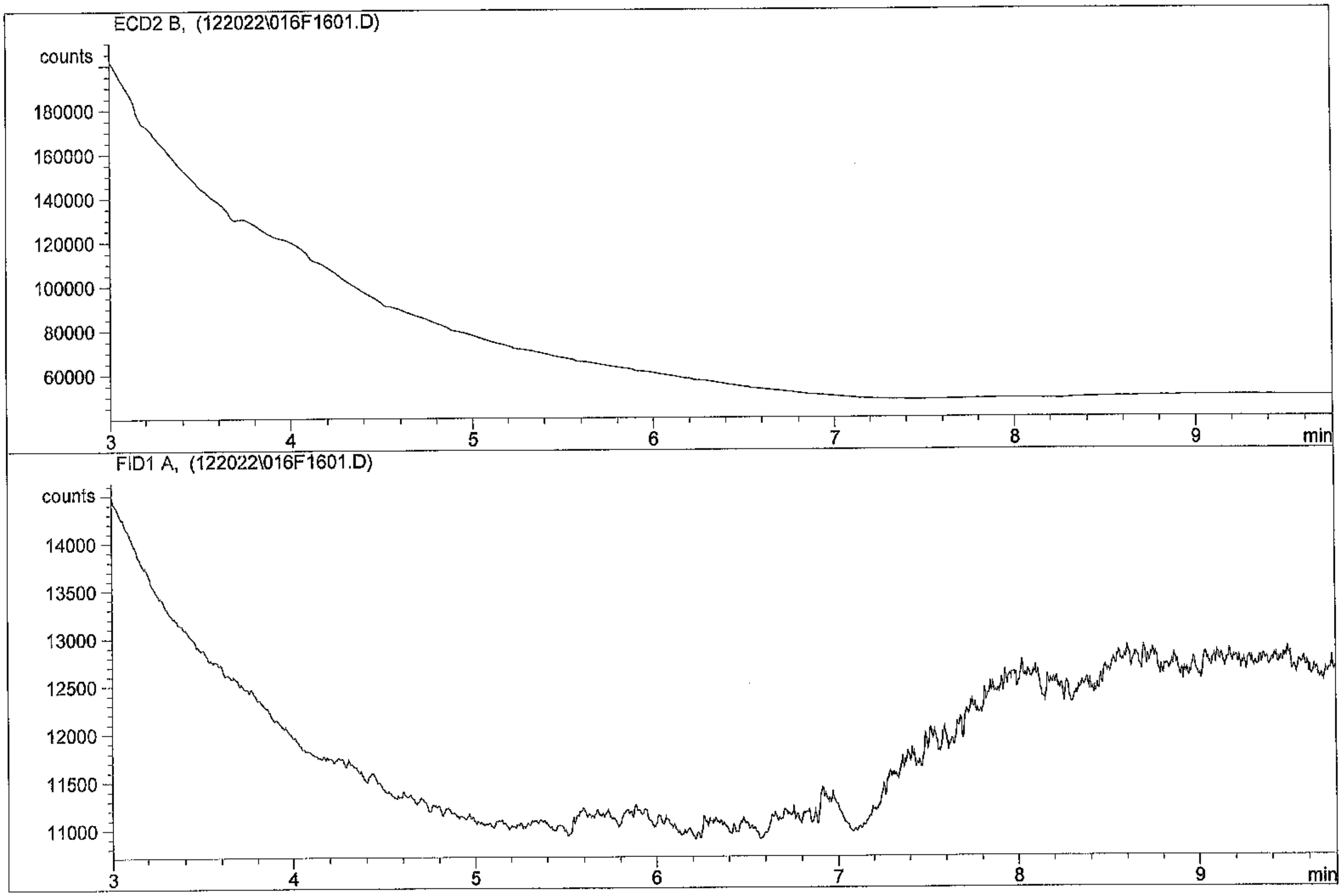
*** End of Report ***

```
Data File C:\HPCHEM\1\DATA\122022\015F1501.D                          Sample Name: 22L0307 12
    ===================================================================
    Injection Date  : 12/20/2022 3:36:59 PM          Seq. Line :  15
    Sample Name     : 22L0307 12                      Location : Vial 15
    Acq. Operator   : CR                                   Inj :   1
                                                   Inj Volume : 1 µl
    Sequence File   : C:\HPCHEM\1\SEQUENCE\122022.S
    Method          : C:\HPCHEM\1\METHODS\SCREEN.M
    Last changed    : 7/9/2021 3:37:33 AM by TW
    SCREEN METHOD
    ===================================================================
```



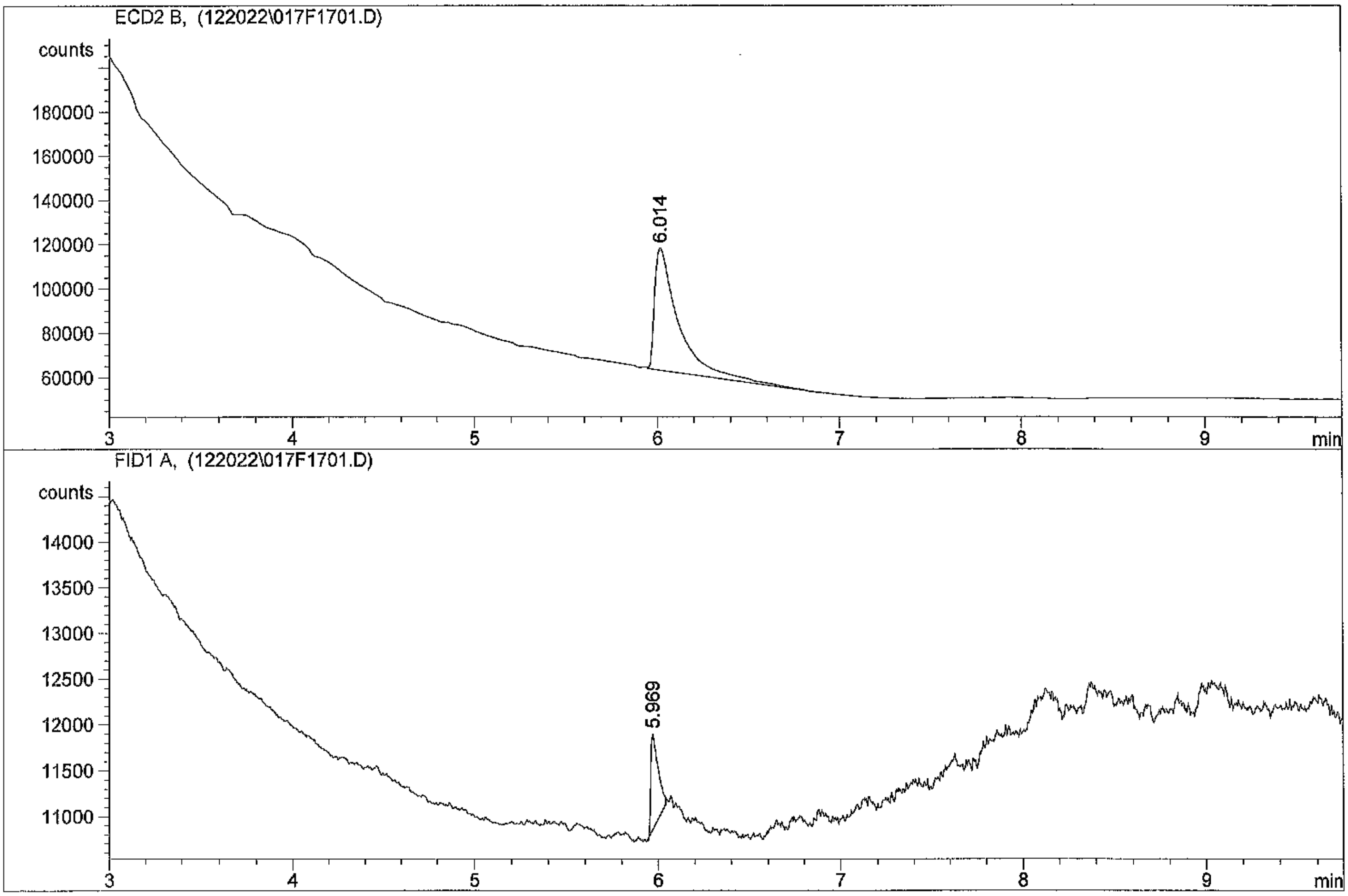
*** End of Report ***

```
Data File C:\HPCHEM\1\DATA\122022\016F1601.D                              Sample Name: 22L0307 13
    =====================================================================
    Injection Date   : 12/20/2022 3:51:37 PM           Seq. Line :  16
    Sample Name      : 22L0307 13                        Location : Vial 16
    Acq. Operator    : CR                                     Inj :   1
                                                     Inj Volume : 1 µl
    Sequence File    : C:\HPCHEM\1\SEQUENCE\122022.S
    Method           : C:\HPCHEM\1\METHODS\SCREEN.M
    Last changed     : 7/9/2021 3:37:33 AM by TW
    SCREEN METHOD
    =====================================================================
```



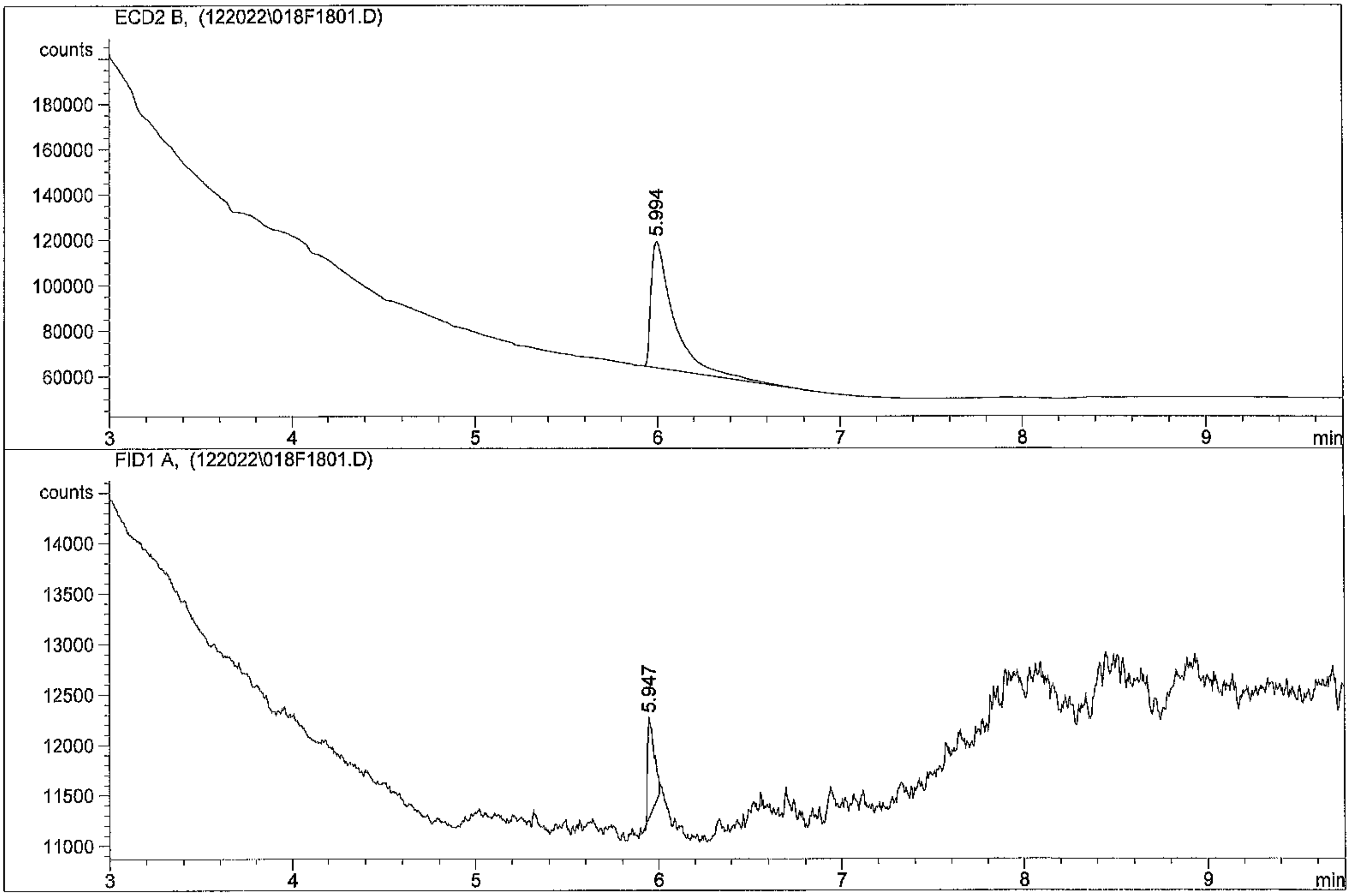
*** End of Report ***

```
Data File C:\HPCHEM\1\DATA\122022\017F1701.D                    Sample Name: 22L0307 14
    =====================================================================
    Injection Date  : 12/20/2022 4:06:07 PM           Seq. Line :  17
    Sample Name     : 22L0307 14                       Location : Vial 17
    Acq. Operator   : CR                                    Inj :  1
                                                    Inj Volume : 1 µl
    Sequence File   : C:\HPCHEM\1\SEQUENCE\122022.S
    Method          : C:\HPCHEM\1\METHODS\SCREEN.M
    Last changed    : 7/9/2021 3:37:33 AM by TW
    SCREEN METHOD
    =====================================================================
```



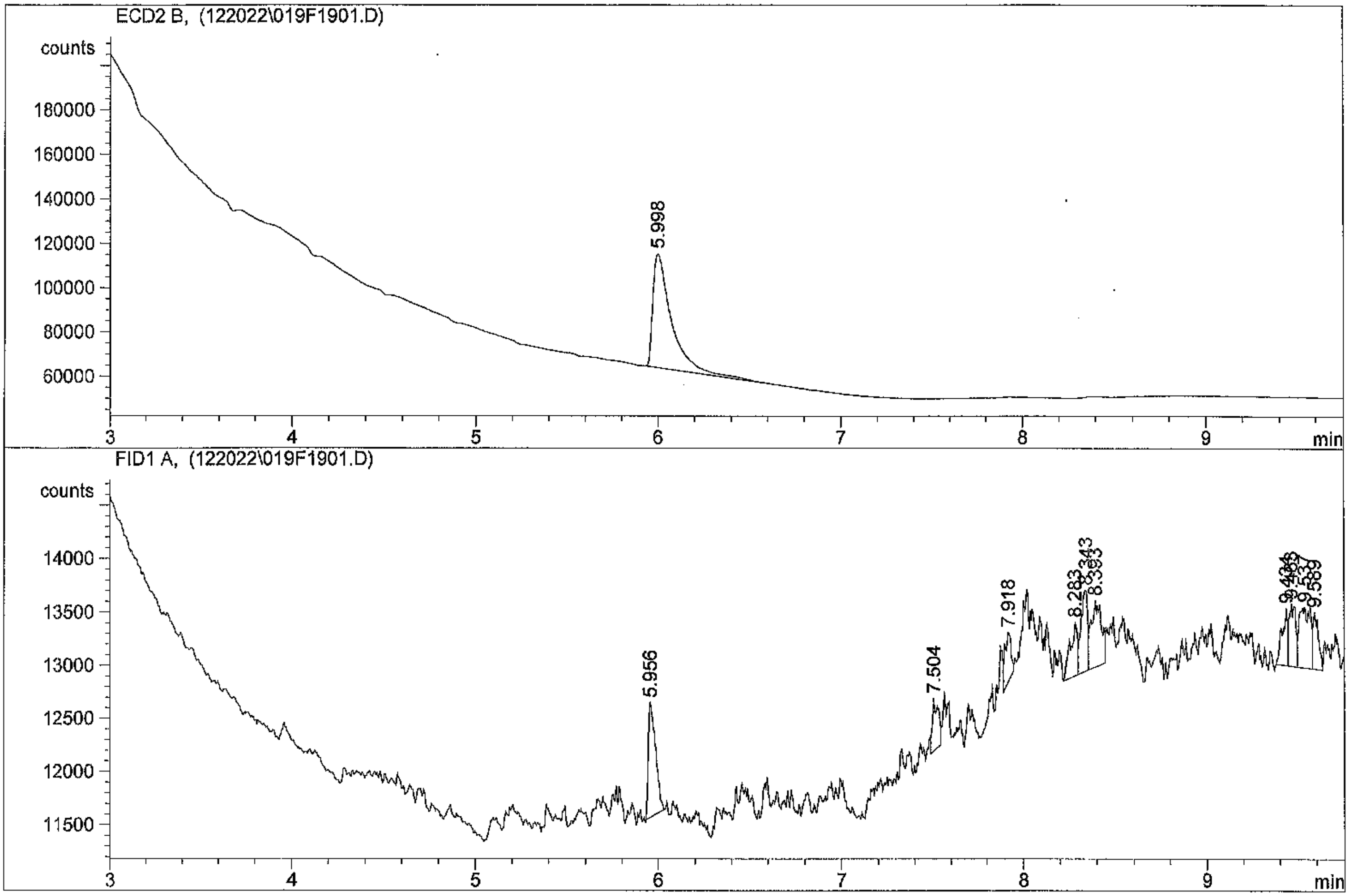
*** End of Report ***

```
Data File C:\HPCHEM\1\DATA\122022\018F1801.D                        Sample Name: 22L0307 15
     =================================================================
     Injection Date  : 12/20/2022 4:20:45 PM          Seq. Line :  18
     Sample Name     : 22L0307 15                      Location : Vial 18
     Acq. Operator   : CR                                   Inj :   1
                                                     Inj Volume : 1 µl
     Sequence File   : C:\HPCHEM\1\SEQUENCE\122022.S
     Method          : C:\HPCHEM\1\METHODS\SCREEN.M
     Last changed    : 7/9/2021 3:37:33 AM by TW
     SCREEN METHOD
     =================================================================
```



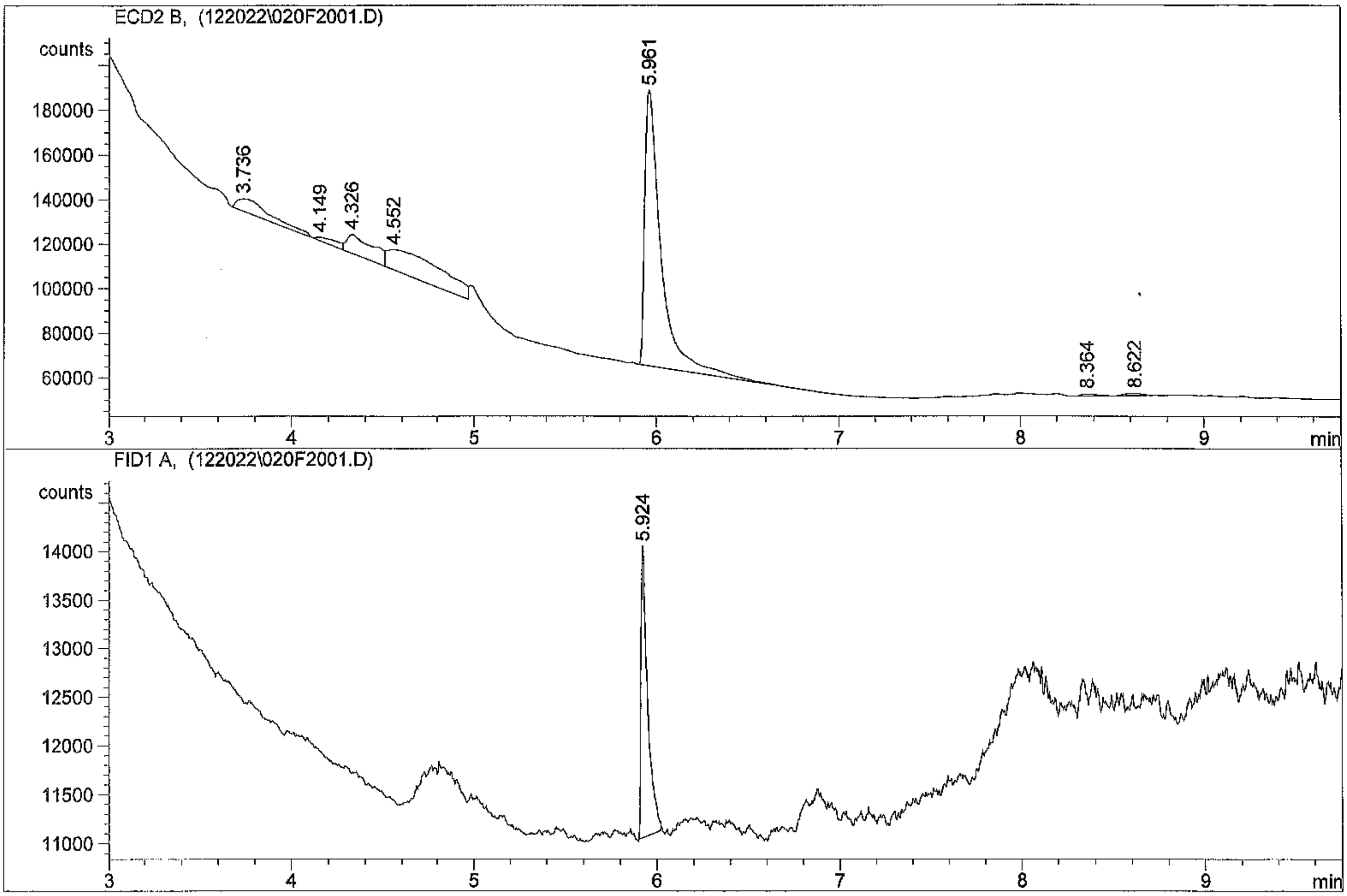
*** End of Report ***

```
Data File C:\HPCHEM\1\DATA\122022\019F1901.D                          Sample Name: 22L0307 16
    =====================================================================
    Injection Date  : 12/20/2022 4:35:14 PM          Seq. Line :  19
    Sample Name     : 22L0307 16                      Location : Vial 19
    Acq. Operator   : CR                                   Inj :   1
                                                    Inj Volume : 1 µl
    Sequence File   : C:\HPCHEM\1\SEQUENCE\122022.S
    Method          : C:\HPCHEM\1\METHODS\SCREEN.M
    Last changed    : 7/9/2021 3:37:33 AM by TW
    SCREEN METHOD
    =====================================================================
```



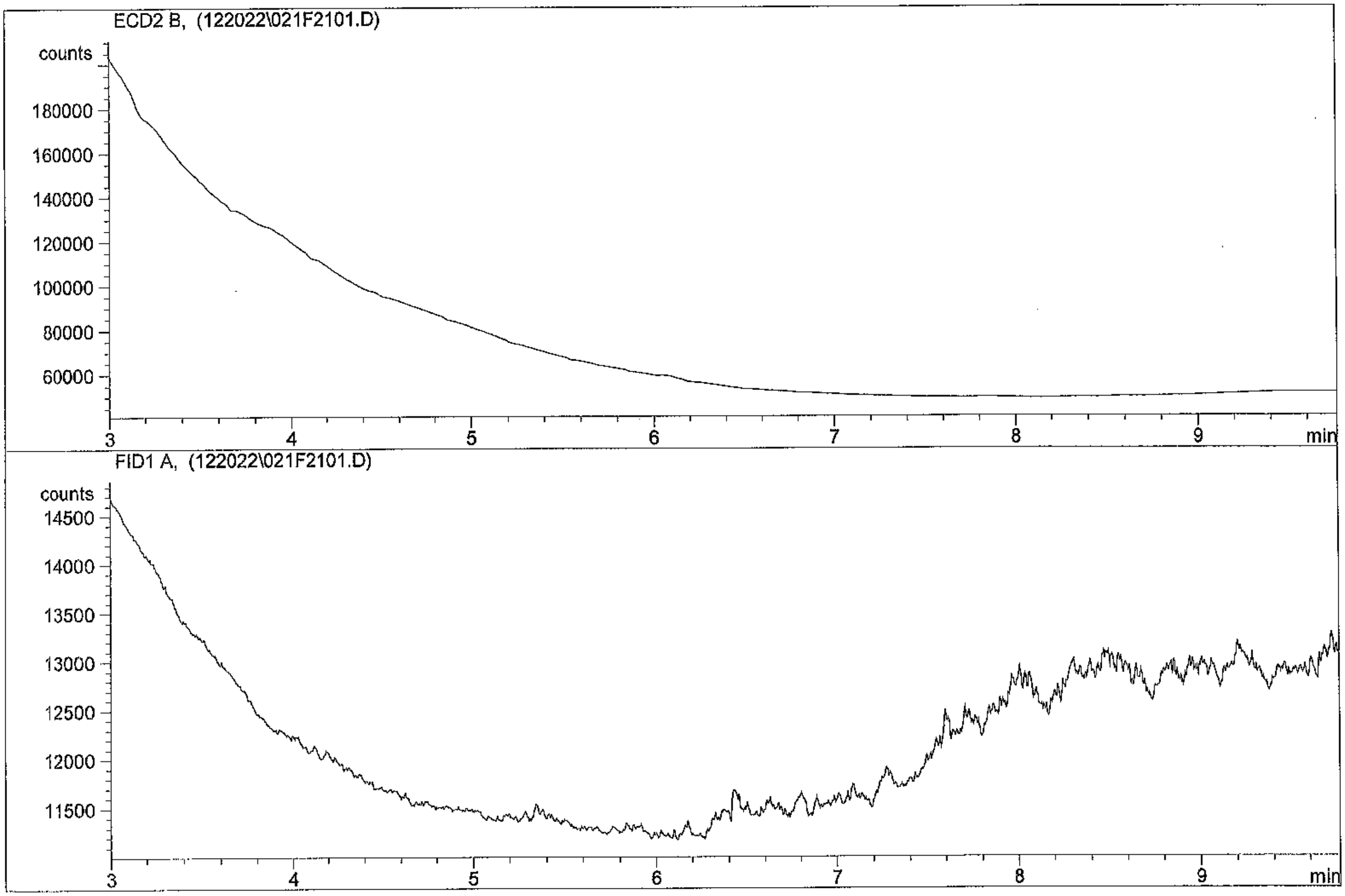
*** End of Report ***

```
Data File C:\HPCHEM\1\DATA\122022\020F2001.D                          Sample Name: 22L0307 17
    ===================================================================
    Injection Date  : 12/20/2022 4:49:55 PM           Seq. Line :  20
    Sample Name     : 22L0307 17                       Location : Vial 20
    Acq. Operator   : CR                                    Inj :   1
                                                  Inj Volume : 1 µl
    Sequence File   : C:\HPCHEM\1\SEQUENCE\122022.S
    Method          : C:\HPCHEM\1\METHODS\SCREEN.M
    Last changed    : 7/9/2021 3:37:33 AM by TW
    SCREEN METHOD
    ===================================================================
```



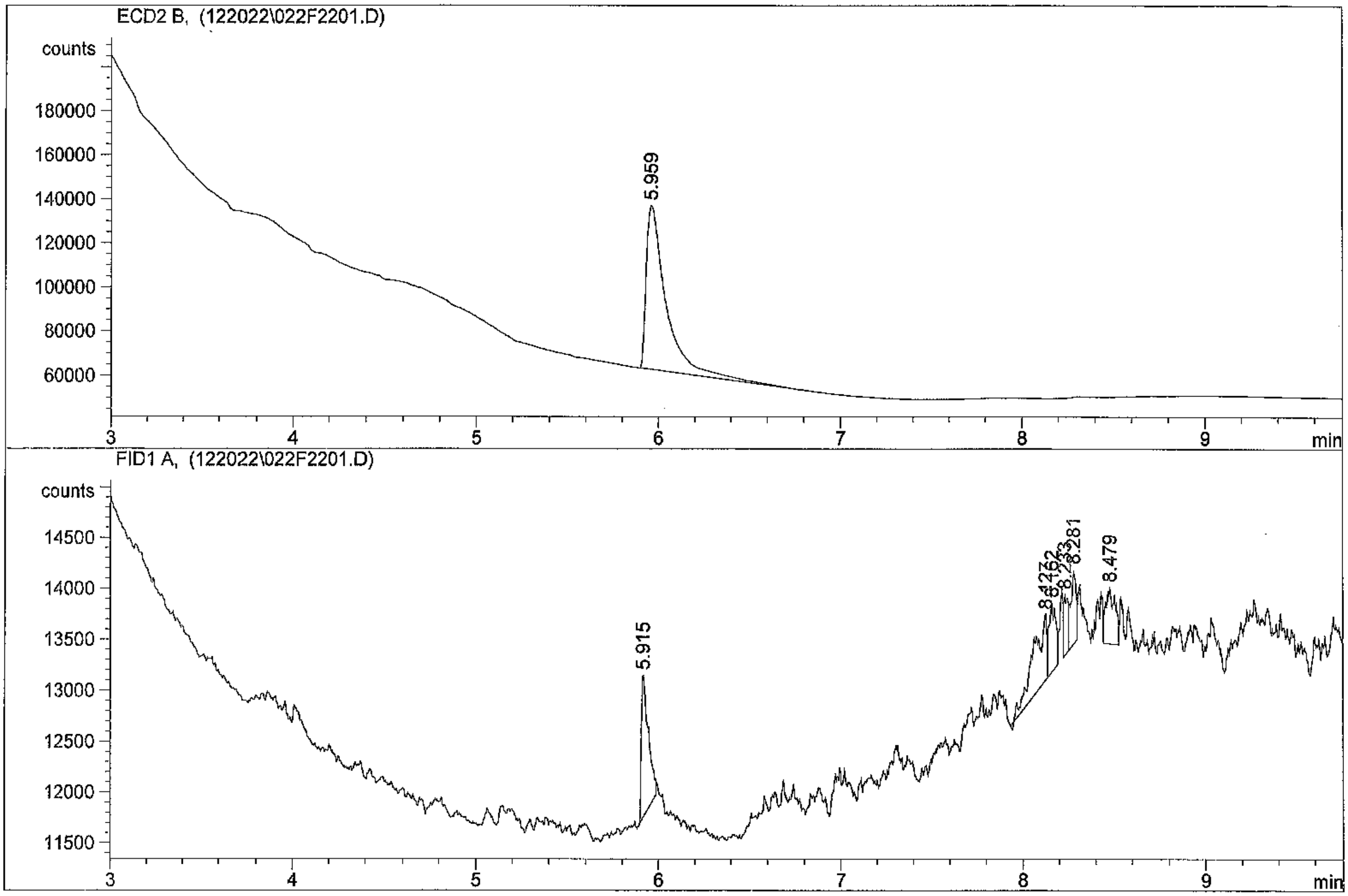
*** End of Report ***

```
Data File C:\HPCHEM\1\DATA\122022\021F2101.D                          Sample Name: 22L0307 18
    =====================================================================
    Injection Date  : 12/20/2022 5:03:18 PM          Seq. Line :  21
    Sample Name     : 22L0307 18                      Location : Vial 21
    Acq. Operator   : CR                                   Inj :   1
                                                    Inj Volume : 1 µl
    Sequence File   : C:\HPCHEM\1\SEQUENCE\122022.S
    Method          : C:\HPCHEM\1\METHODS\SCREEN.M
    Last changed    : 7/9/2021 3:37:33 AM by TW
    SCREEN METHOD
    =====================================================================
```



*** End of Report ***

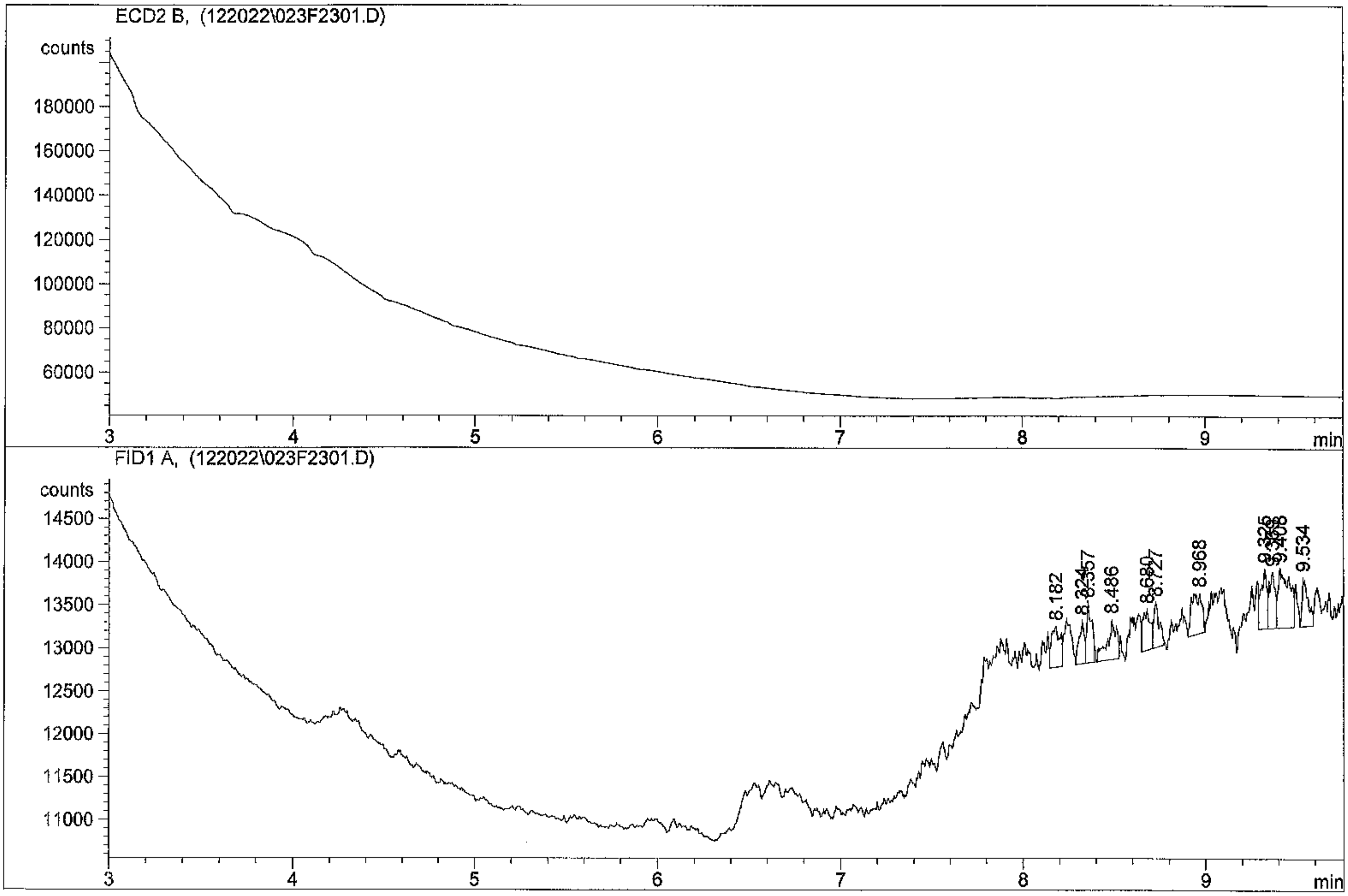
```
Data File C:\HPCHEM\1\DATA\122022\022F2201.D                                Sample Name: 22L0307 19
     =====================================================================
     Injection Date   : 12/20/2022 5:17:15 PM          Seq. Line :   22
     Sample Name      : 22L0307 19                      Location : Vial 22
     Acq. Operator    : CR                                   Inj :    1
                                                      Inj Volume : 1 µl
     Sequence File    : C:\HPCHEM\1\SEQUENCE\122022.S
     Method           : C:\HPCHEM\1\METHODS\SCREEN.M
     Last changed     : 7/9/2021 3:37:33 AM by TW
     SCREEN METHOD
     =====================================================================
```



*** End of Report ***

Data File C:\HPCHEM\1\DATA\122022\023F2301.D Sample Name: 22L0307 20

```
=====================================================================
Injection Date  : 12/20/2022 5:31:53 PM          Seq. Line :  23
Sample Name     : 22L0307 20                      Location : Vial 23
Acq. Operator   : CR                                   Inj :   1
                                                Inj Volume : 1 µl
Sequence File   : C:\HPCHEM\1\SEQUENCE\122022.S
Method          : C:\HPCHEM\1\METHODS\SCREEN.M
Last changed    : 7/9/2021 3:37:33 AM by TW
SCREEN METHOD
=====================================================================
```



*** End of Report ***

PREPARATION BATCH SUMMARY

EPA 8082A

Laboratory:	Analytical Resources, LLC			SDG:	22L0307
Client:	Anchor QEA, LLC			Project:	AOC4 UR Phase 3
Batch:	BKL0582	Batch Matrix:	Solid	Preparation:	EPA 3546 (Microwave)

SAMPLE NAME	LAB SAMPLE ID	LAB FILE ID	DATE PREPARED	OBSERVATIONS
LDW22-SC750A	22L0307-21	01072329ECD7.D	12/28/22 14:11	
LDW22-SC750B	22L0307-22	01072330ECD7.D	12/28/22 14:11	
LDW22-SC750C	22L0307-23	01072331ECD7.D	12/28/22 14:11	
LDW22-SC750D	22L0307-24	01072332ECD7.D	12/28/22 14:11	
LDW22-SC750E	22L0307-25	01072333ECD7.D	12/28/22 14:11	
LDW22-SC750F	22L0307-26	01072334ECD7.D	12/28/22 14:11	
LDW22-SC750G	22L0307-27	01072335ECD7.D	12/28/22 14:11	
LDW22-SC750H	22L0307-28	01072336ECD7.D	12/28/22 14:11	
LDW22-IT808A	22L0307-29	01072337ECD7.D	12/28/22 14:11	
LDW22-IT808B	22L0307-30	01112361ECD7.D	12/28/22 14:11	
LDW22-IT808C	22L0307-31	01072341ECD7.D	12/28/22 14:11	
LDW22-IT808D	22L0307-32	01072342ECD7.D	12/28/22 14:11	
LDW22-IT808E	22L0307-33	01072343ECD7.D	12/28/22 14:11	
LDW22-IT808F	22L0307-34	01072346ECD7.D	12/28/22 14:11	
LDW22-SC804B	22L0307-35	01072347ECD7.D	12/28/22 14:11	
LDW22-SC804C	22L0307-36	01072348ECD7.D	12/28/22 14:11	
LDW22-SC804D	22L0307-37	01112362ECD7.D	12/28/22 14:11	
LDW22-SC804E	22L0307-38	01072350ECD7.D	12/28/22 14:11	
LDW22-SC804F	22L0307-39	01072351ECD7.D	12/28/22 14:11	
LDW22-SC804F-FD	22L0307-40	01072352ECD7.D	12/28/22 14:11	
Blank	BKL0582-BLK1	01072325ECD7.D	12/28/22 14:11	
LCS	BKL0582-BS1	01072326ECD7.D	12/28/22 14:11	
LCS Dup	BKL0582-BSD1	01072327ECD7.D	12/28/22 14:11	
LDW22-IT808E	BKL0582-MS1	01072344ECD7.D	12/28/22 14:11	
LDW22-IT808E	BKL0582-MSD1	01072345ECD7.D	12/28/22 14:11	
Reference	BKL0582-SRM1	01072328ECD7.D	12/28/22 14:11	

Analytical Resources, LLC
Analytical Chemists and Consultants

ORGANICS PREPARATION BENCH SHEET

Batch: BKL0582

Prepared using: EPA 3546 (Microwave)

8082A PCB Solid 4 in Solid (Version:7 Aroclors)

Matrix: Solid **Date Prepared:** 12/28/22 **Balance ID:** B139298002 **Set Up By:** LRO 12/22/22

WO Comments

22L0307: <G> BPR Project batch as much as possible </G> <C>BPR SRM, MS, DUP </C> <M>BPR PS, MS/MSD </M> <E>BPR 8270E RM H002055, SIM RM H010158, PCB RM J006840-43, 7935-36, MS/MSD </E>
<H>BPR J006840-43, 7935-36 Dup </H> Store immediately in freezer (except GS)

The following standards may be missing from this batch!

Designator	Description
QLS 5	QLS Spike

Analysis: 8082A PCB Solid 4

Lab Number & Container	% Solids	Initial (g) Target Dry: 12.5 (Wet)	Actual	(REQ) Acid C/U (5mL)	(REQ) Sulfur C/U (5mL) 1 2 3	(REQ) Silica Gel C/U (2:5)	Final Effective Vol (mL)	Vol (mL) to Lab	Extraction Comments
22L0307-21 B	66.1	(18.92)	18.97	5mL	5mL	2mL	2.5	1.0	
22L0307-22 B	64.4	(19.43)	19.43	5mL	5mL	2mL	2.5	1.0	
22L0307-23 B	65.7	(19.02)	19.04	5mL	5mL	2mL	2.5	1.0	
22L0307-24 B	67.0	(18.67)	18.72	5mL	5mL	2mL	2.5	1.0	
22L0307-25 B	67.4	(18.54)	18.58	5mL	5mL	2mL	2.5	1.0	
22L0307-26 B	77.1	(16.22)	16.23	5mL	5mL	2mL	2.5	1.0	
22L0307-27 B	67.4	(18.54)	18.54	5mL	5mL	2mL	2.5	1.0	
22L0307-28 B	72.6	(17.22)	17.24	5mL	5mL	2mL	2.5	1.0	
22L0307-29 C	55.3	(22.59)	22.59	5mL	5mL	2mL	2.5	1.0	
22L0307-30 C	57.4	(21.79)	21.81	5mL	5mL	2mL	2.5	1.0	
22L0307-31 C	53.2	(23.49)	23.51	5mL	5mL	2mL	2.5	1.0	
22L0307-32 C	59.3	(21.09)	21.11	5mL	5mL	2mL	2.5	1.0	
22L0307-33 C	80.3	(15.57)	15.57	5mL	5mL	2mL	2.5	1.0	
22L0307-34 C	79.8	(15.66)	15.67	5mL	5mL	2mL	2.5	1.0	
22L0307-35 B	71.2	(17.55)	17.58	5mL	5mL	2mL	2.5	1.0	
22L0307-36 B	78.9	(15.85)	15.87	5mL	5mL	2mL	2.5	1.0	
22L0307-37 B	57.0	(21.92)	21.95	5mL	5mL	2mL	2.5	1.0	
22L0307-38 B	79.1	(15.80)	15.80	5mL	5mL	2mL	2.5	1.0	
22L0307-39 B	73.5	(17.01)	17.01	5mL	5mL	2mL	2.5	1.0	
22L0307-40 B	74.2	(16.86)	16.90	5mL	5mL	2mL	2.5	1.0	

Batch QC

Lab Number	% Solids	Initial (g) Target Dry: 12.5 (Wet)	Actual	(REQ) Acid C/U (5mL)	(REQ) Sulfur C/U (5mL) 1 2 3	(REQ) Silica Gel C/U (2:5)	Final Effective Vol (mL)	Vol (mL) to Lab	Extraction Comments
BKL0582-BLK1	100.0	(12.50)	12.50	5mL	5mL	2mL	2.5	1.0	(10g Actual Wt.)
BKL0582-BS1	100.0	(12.50)	12.50	5mL	5mL	2mL	2.5	1.0	(10g Actual Wt.)
BKL0582-BSD1	100.0	(12.50)	12.50	5mL	5mL	2mL	2.5	1.0	(10g Actual Wt.)
BKL0582-MS1	80.3	(15.57)	15.57	5mL	5mL	2mL	2.5	1.0	Use 22L0307-33
BKL0582-MSD1	80.3	(15.57)	15.57	5mL	5mL	2mL	2.5	1.0	Use 22L0307-33
BKL0582-SRM1	100.0	~~(12.50)~~ (2.50) +1g DI WATER	2.50	5mL	5mL	2mL	2.5	1.0	Use K010815

Printed: 12/22/2022 1:30:35PM

3099F
Page 1 of 3

Analytical Resources, LLC
Analytical Chemists and Consultants

ORGANICS PREPARATION BENCH SHEET

Batch: BKL0582

Prepared using: EPA 3546 (Microwave)

8082A PCB Solid 4 in Solid (Version:7 Aroclors)

WO Comments

22L0307: <G> BPR Project batch as much as possible </G> <C>BPR SRM, MS, DUP </C> <M>BPR PS, MS/MSD </M> <E>BPR 8270E RM H002055, SIM RM H010158, PCB RM J006840-43, 7935-36, MS/MSD </E>
<H>BPR J006840-43, 7935-36 Dup </H> Store immediately in freezer (except GS)

CR — Client ID verified By
12/28/22 — Date
Preparation Reviewed By
Date
12/28/22 14:11 — Extraction Date and Time

Analytical Resources, LLC
Analytical Chemists and Consultants

ORGANICS PREPARATION BENCH SHEET

Batch: BKL0582

Prepared using: EPA 3546 (Microwave)

8082A PCB Solid 4 in Solid (Version:7 Aroclors)

WO Comments

22L0307: <G> BPR Project batch as much as possible </G> <C>BPR SRM, MS, DUP </C> <M>BPR PS, MS/MSD </M> <E>BPR 8270E RM H002055, SIM RM H010158, PCB RM J006840-43, 7935-36, MS/MSD </E>
<H>BPR J006840-43, 7935-36 Dup </H> Store immediately in freezer (except GS)

Prep Steps

Microwave
[✓ 1] 2 3
CT 12/28/22
Analyst/Date

KD
100°C
Hexane Exchange
(2 X 20 mL)
1 2 3 4 [✓ 5] 6
CP 12/28/22
Analyst/Date

TurboVap
Pre Cleanups
1 2 3 [✓ 4] 5
ZH 1/5/23
Analyst/Date

TurboVap
Post Cleanups
1 2 [✓ 3] 4 5
ZH 1/5/23
Analyst/Date

Vialing
ZH 1/5/23
Analyst/Date

Reagents Used

Station/Reagent	Standard ID
Microwave **Analyst:** CT **Date:** 12/28/22	
Neutral Glass Wool	K010562
1:1 Hexane/Acetone	K011642
Hexane	K011373
Anhydrous Sodium Sulfate	K011562
KD **Analyst:** CP **Date:** 12/28/22	
Anhydrous Sodium Sulfate	
Hexane	K011373
Vialing **Analyst:** ZH **Date:** 1/5/23	
Hexane	K011373
Concentrated Sulfuric Acid	K010364
Silica Gel (SPE) Darts	K011573
Sodium Sulfite	K011573
Tetrabutylammonium ~~hydrogensulfate (TBAS)~~	K010363

Surrogates & Spike Standards Used

Type	Vial ID / Standard ID	Vol uL	Analyst	Witness
Surrogate 2µg/mL	N K011752 Exp Date: 1/23/2023	50µL	CT	
Spike 20µg/mL	1 K008150 Exp Date: 3/5/2023	63µL	CT	

MANUALLY ENTER EXPIRATION DATES!

(V) indicates a virtual standard combining two or more physical standards. In these cases the Standard ID refers to the virtual standard, not the parent standards.

If a Standard ID is missing, but should be present, check the standard definition in Element LIMS to be sure Standard Info 6 has the correct letter or number designator matching the vial designator inthe Standard ID column. If it is correct, check the batch and bench sheet in Element LIMS to be sure the correct standards are selected for surrogate(s) and spike(s).

Printed: 12/22/2022 1:30:35PM

3099F

Analytical Resources, LLC
Analytical Chemists and Consultants

ORGANICS PREPARATION BENCH SHEET

Batch: BKL0582

Prepared using: EPA 3546 (Microwave)

8082A PCB Solid 4 in Solid (Version:7 Aroclors)

WO Comments

22L0307: <G> BPR Project batch as much as possible </G> <C>BPR SRM, MS, DUP </C> <M>BPR PS, MS/MSD </M> <E>BPR 8270E RM H002055, SIM RM H010158, PCB RM J006840-43, 7935-36, MS/MSD </E>
<H>BPR J006840-43, 7935-36 Dup </H> Store immediately in freezer (except GS)

Prep Instructions

SPECIAL INSTRUCTIONS:
1. Weigh soil/sed into beakers-lightly dry with sodium sulfate.
2. Transfer to microwave vessel(s). Note: (do not fill vessels more than 2/3rd full. Some samples may require two vessels).
3. Add 1:1 Hexane/Acetone until the solvent layer is 3 inches above the soil layer after homogenization.
4. Add surr/spike.
5. Microwave on appropriate power setting determined by # of samples.
6. After microwave-Re-homogenize while hot then cool vessels in R-05 15 minutes. Re-homogenize while cool.
7. Decant 1:1 Hex/Ace into Erlenmeyer flask with sodium sulfate in bottom and funnel with neutral glasswool plug.
8. Re-homogenize and rinse with 1:1 Hexane/Acetone.
9. Let cool and decant solvent then empty the soil into the funnel and rinse with Hexane.
10. KD on 100° bath.
11. Exchange (2 X with 20mL) Hexane.
12. TurboVap.
13. Clean-ups.
14. TurboVap.
15. Vial with Hexane.

A. Need Total Solids Y [✓ N]

B. Archive/Freeze [✓ Y] N

3099F

Printed: 12/22/2022 1:30:35PM

Analytical Resources,
Incorporated
Analytical Chemists and
Consultants

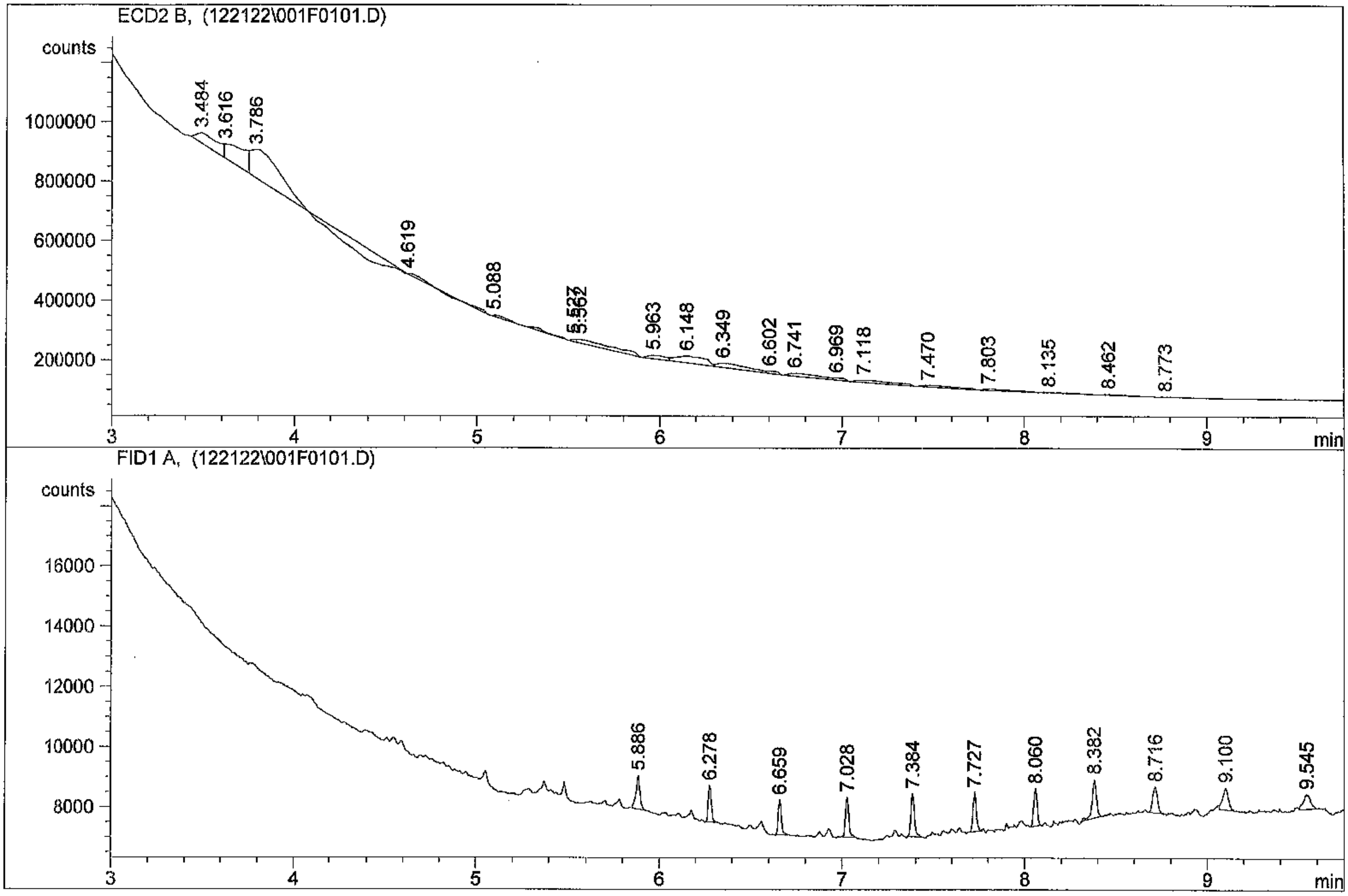
Organic Extractions Laboratory
Analyst Notes

Extraction Parameter: PCB   Extraction Batch: BKL0582

Total Solids Batch: BKL0483   Work Order(s): 22L0307   21-40

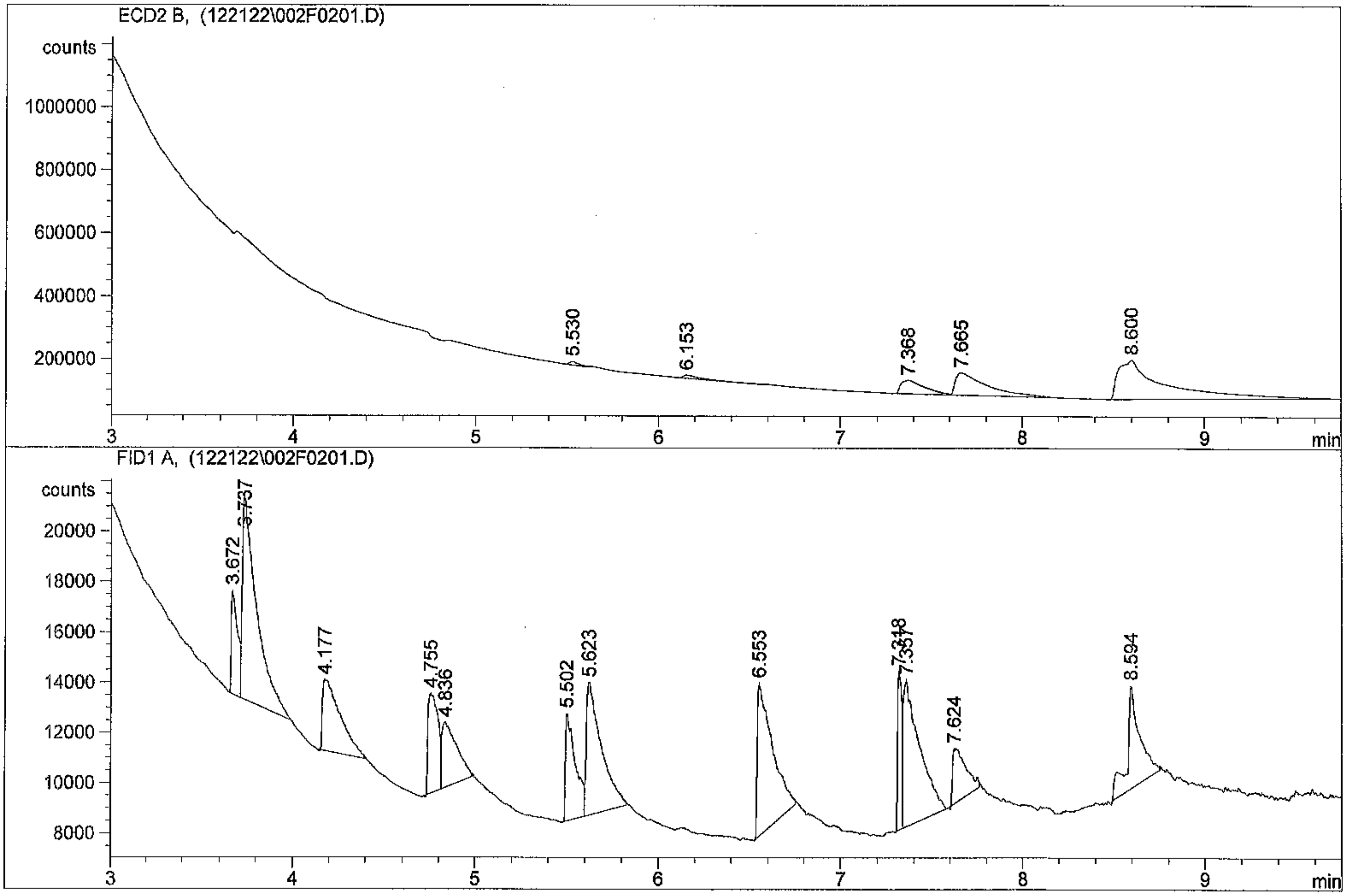
Screens: Soil/Sediment/Solid/Other:	Analyst/Date
☒ No Anomalies (standard soil/wet sediment/sand/gravel)= 21-40	CR 12/21/22
☒ Standing Water Decanted (Not shared)= 21, 22, 24, 27, 29, 35, 38	CR 12/21/22
☐ Standing Water Homogenized (Shared samples)=	
☐ Clay/Clumps (Difficult to homogenize)=	
☐ Rocks (%+size)?	
☐ Organics (Leaves/sticks/grass)=	
☐ Oily, obvious fuel/sulfur odors=	
☐ Received in 32oz jar(s)=Homogenized in Pyrex dish=	
☒ Previously Frozen = 21-40	CR 12/21/22
☐ Other (Details)=	
Aqueous:	
☐ No Anomalies	
☐ Turbid/Color=	
☐ Particulates(%)=(Note: >5%=Notify Supervisor/Lead)	
☐ Emulsions (%)=	
☐ Oily, obvious fuel/sulfur odors=	
☐ Other (Details)=	
☐ Received in 1.0L Bottle(s)=No Bottle Rinse=	
☐ Other Notes/Comments= (Note problems, concerns, corrective actions).	
☒ Share Samples Y / [✓ N]	CR 12/21/22
☒ Multiple Jars Y / [✓ N]	CR 12/21/22
☐ Sample Pre-Screens indicate analyte activity=	
☐ Sample weights/volumes reduced based on Pre-Screen=	

```
Data File C:\HPCHEM\1\DATA\122122\001F0101.D                              Sample Name: DCM RINSE
    =====================================================================
    Injection Date  : 12/21/2022 7:30:53 PM          Seq. Line :   1
    Sample Name     : DCM RINSE                       Location : Vial 1
    Acq. Operator   : CR                                   Inj :   1
                                                    Inj Volume : 1 µl
    Sequence File   : C:\HPCHEM\1\SEQUENCE\122122.S
    Method          : C:\HPCHEM\1\METHODS\SCREEN.M
    Last changed    : 7/9/2021 3:37:33 AM by TW
    SCREEN METHOD
    =====================================================================
```



*** End of Report ***

```
Data File C:\HPCHEM\1\DATA\122122\002F0201.D                    Sample Name: PNA STD 10PPM
    =====================================================================
    Injection Date  : 12/21/2022 7:44:56 PM           Seq. Line :   2
    Sample Name     : PNA STD 10PPM                    Location : Vial 2
    Acq. Operator   : CR                                    Inj :   1
                                                   Inj Volume : 1 µl
    Sequence File   : C:\HPCHEM\1\SEQUENCE\122122.S
    Method          : C:\HPCHEM\1\METHODS\SCREEN.M
    Last changed    : 7/9/2021 3:37:33 AM by TW
    SCREEN METHOD
    =====================================================================
```



*** End of Report ***

```
=====================================================================
Injection Date  : 12/21/2022 7:59:23 PM          Seq. Line :    3
Sample Name     : AR1660 1PPM                     Location : Vial 3
Acq. Operator   : CR                                   Inj :    1
                                               Inj Volume : 1 µl
Sequence File   : C:\HPCHEM\1\SEQUENCE\122122.S
Method          : C:\HPCHEM\1\METHODS\SCREEN.M
Last changed    : 7/9/2021 3:37:33 AM by TW
SCREEN METHOD
=====================================================================
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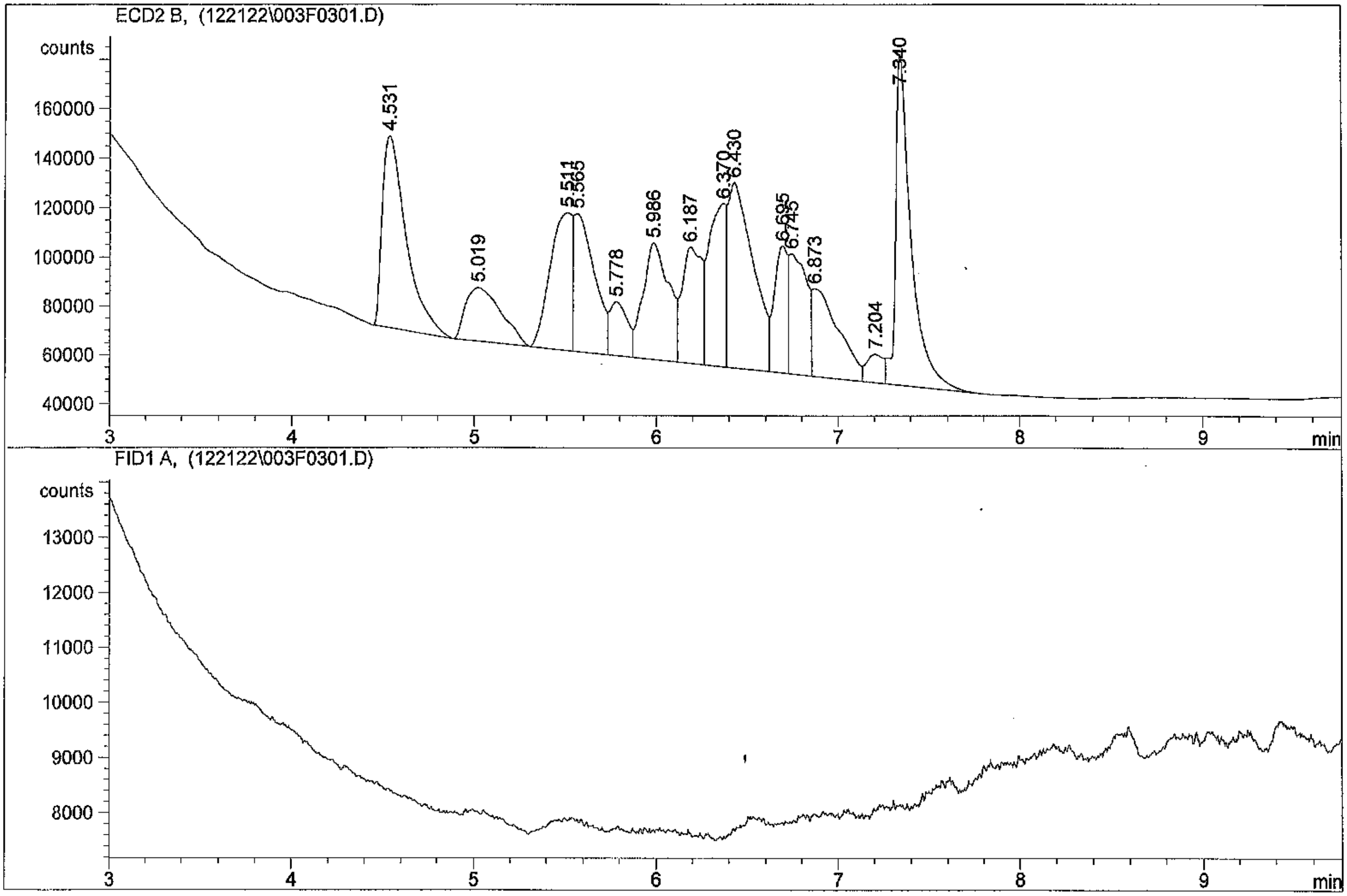
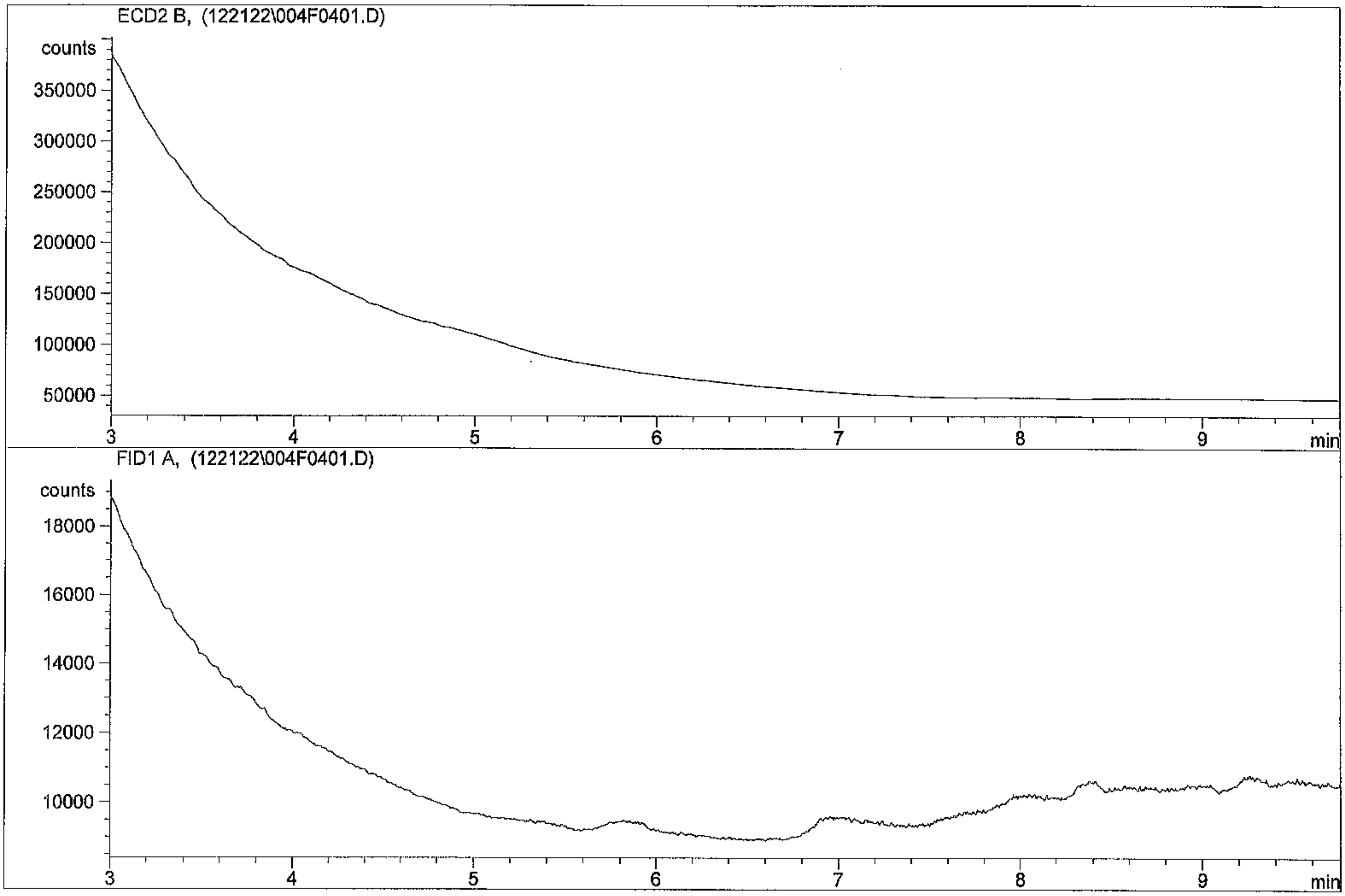


*** End of Report ***

```
=====================================================================
Injection Date  : 12/21/2022 8:13:46 PM          Seq. Line :    4
Sample Name     : 22L0307 21                      Location : Vial 4
Acq. Operator   : CR                                   Inj :    1
                                               Inj Volume : 1 µl
Sequence File   : C:\HPCHEM\1\SEQUENCE\122122.S
Method          : C:\HPCHEM\1\METHODS\SCREEN.M
Last changed    : 7/9/2021 3:37:33 AM by TW
SCREEN METHOD
=====================================================================
```



*** End of Report ***

```
Data File C:\HPCHEM\1\DATA\122122\005F0501.D                         Sample Name: 22L0307 22
    =====================================================================
    Injection Date  : 12/21/2022 8:28:19 PM          Seq. Line :    5
    Sample Name     : 22L0307 22                      Location : Vial 5
    Acq. Operator   : CR                                   Inj :    1
                                                    Inj Volume : 1 µl
    Sequence File   : C:\HPCHEM\1\SEQUENCE\122122.S
    Method          : C:\HPCHEM\1\METHODS\SCREEN.M
    Last changed    : 7/9/2021 3:37:33 AM by TW
    SCREEN METHOD
    =====================================================================
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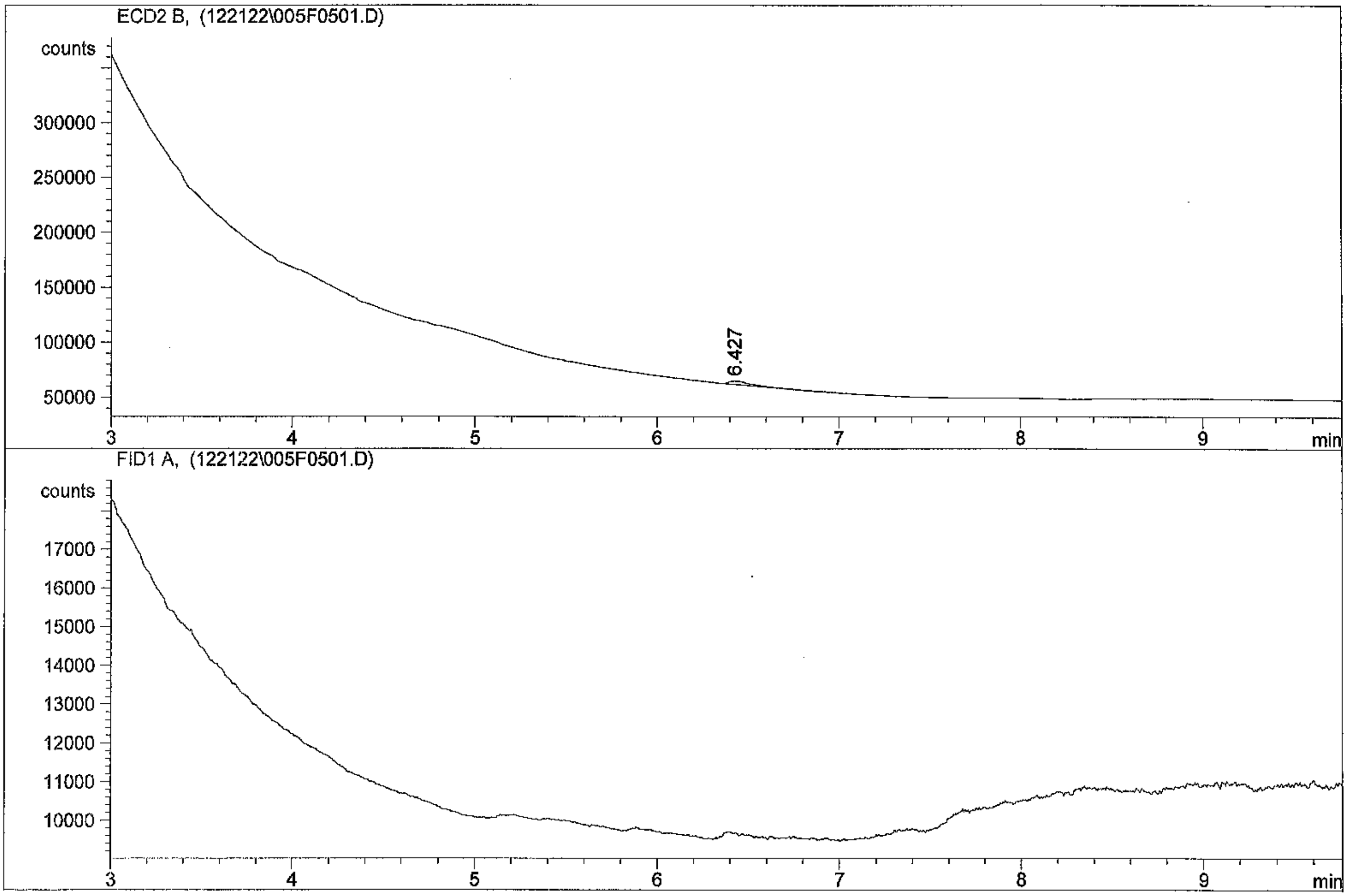
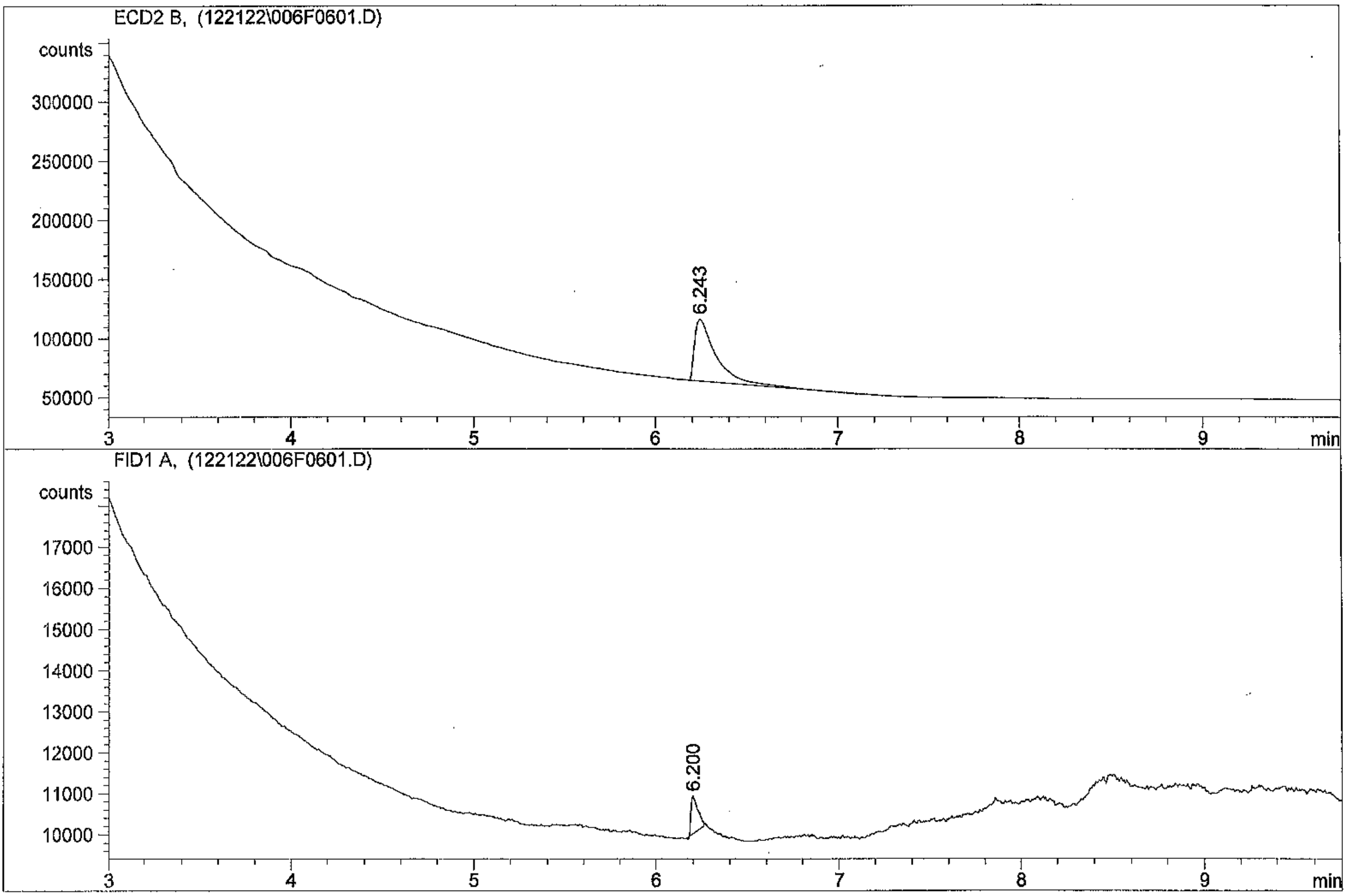


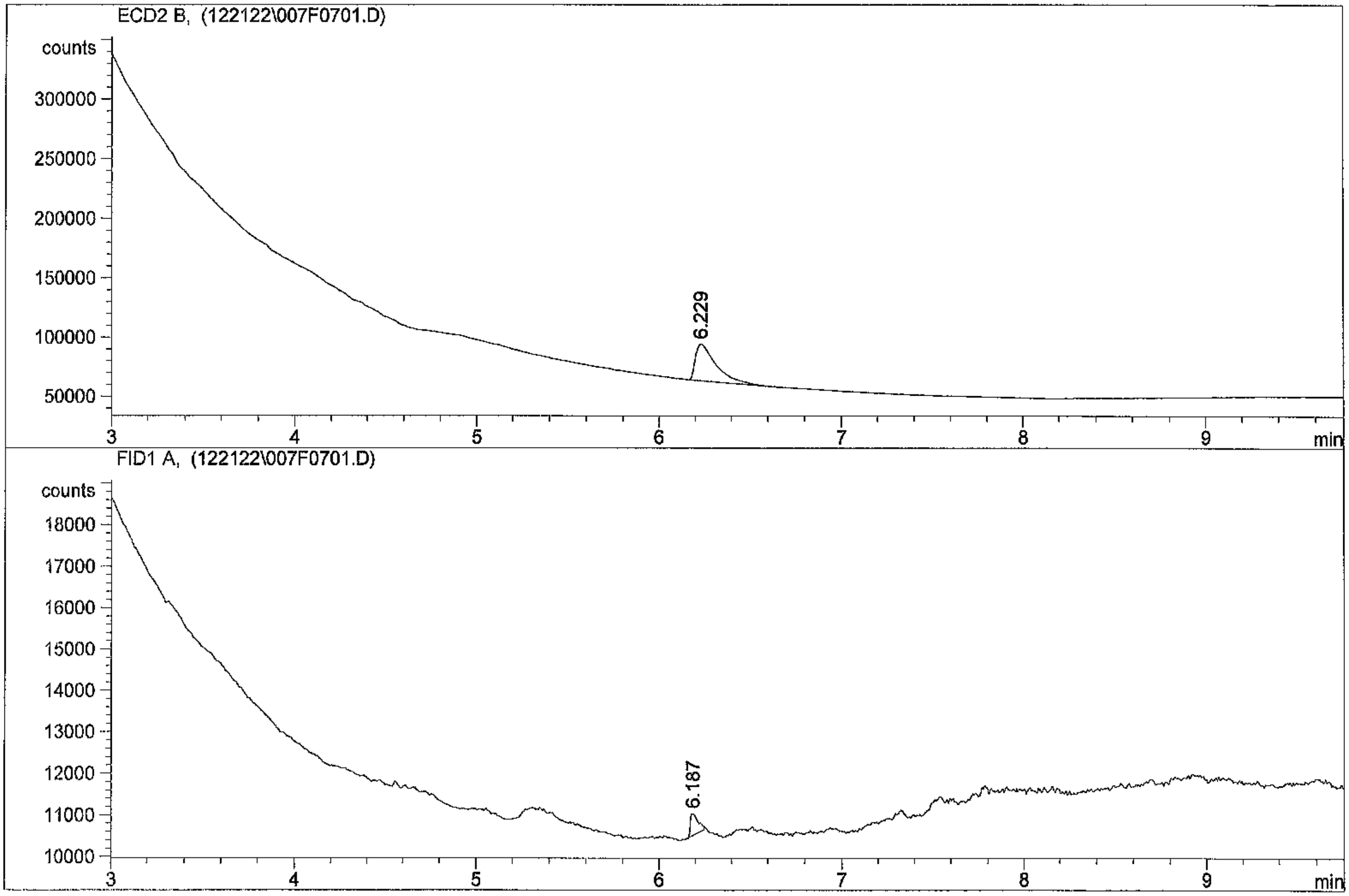
*** End of Report ***

```
=====================================================================
Injection Date  : 12/21/2022 8:42:48 PM          Seq. Line :    6
Sample Name     : 22L0307 23                      Location : Vial 6
Acq. Operator   : CR                                   Inj :    1
                                               Inj Volume : 1 µl
Sequence File   : C:\HPCHEM\1\SEQUENCE\122122.S
Method          : C:\HPCHEM\1\METHODS\SCREEN.M
Last changed    : 7/9/2021 3:37:33 AM by TW
SCREEN METHOD
=====================================================================
```



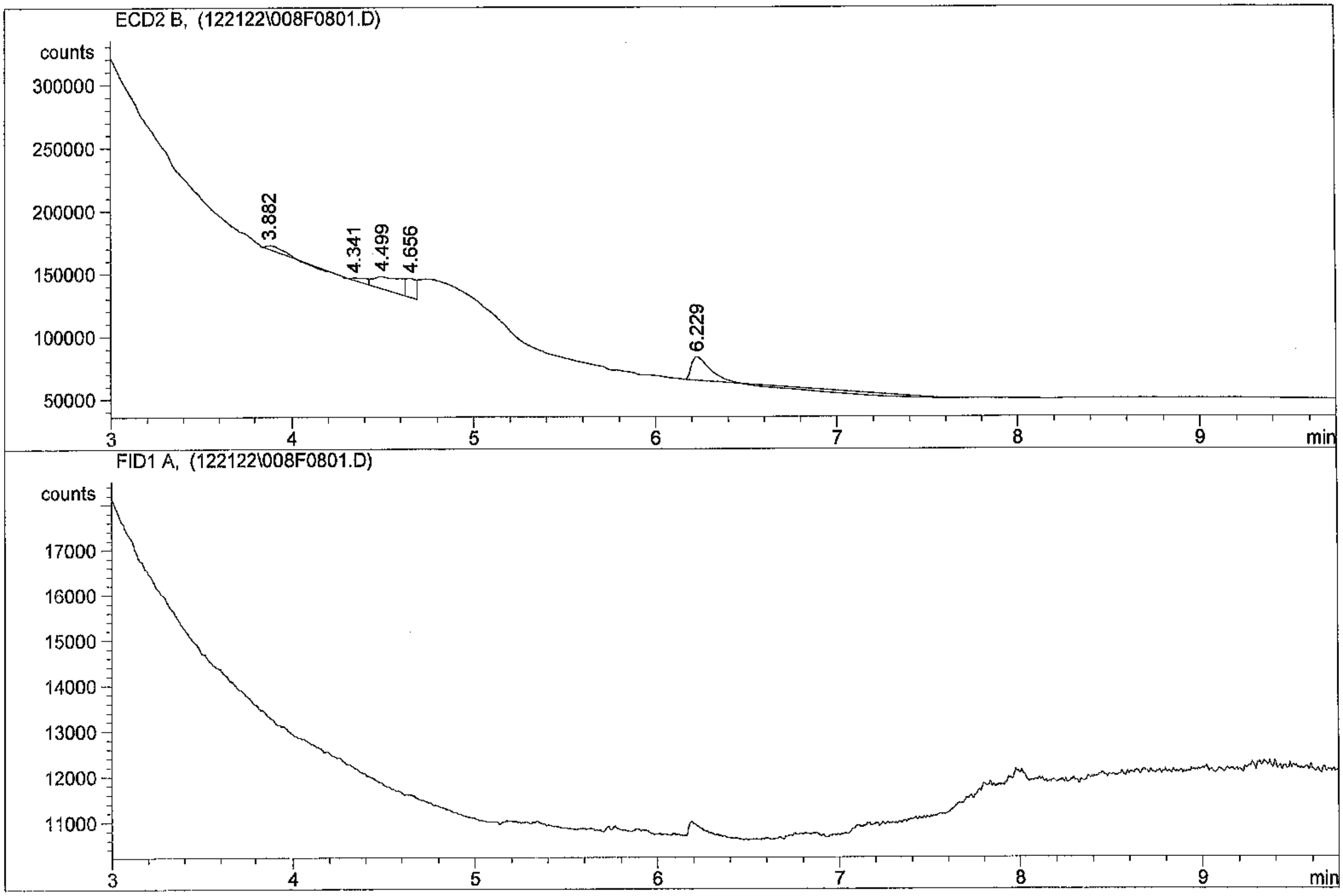
```
*** End of Report ***
```

```
Injection Date  : 12/21/2022 8:56:12 PM          Seq. Line :    7
Sample Name     : 22L0307 24                      Location : Vial 7
Acq. Operator   : CR                                   Inj :    1
                                               Inj Volume : 1 µl
Sequence File   : C:\HPCHEM\1\SEQUENCE\122122.S
Method          : C:\HPCHEM\1\METHODS\SCREEN.M
Last changed    : 7/9/2021 3:37:33 AM by TW
SCREEN METHOD
```



*** End of Report ***

```
Data File C:\HPCHEM\1\DATA\122122\008F0801.D                          Sample Name: 22L0307 25
=====================================================================
    Injection Date  : 12/21/2022 9:09:49 PM           Seq. Line :    8
    Sample Name     : 22L0307 25                        Location : Vial 8
    Acq. Operator   : CR                                     Inj :    1
                                                     Inj Volume : 1 µl
    Sequence File   : C:\HPCHEM\1\SEQUENCE\122122.S
    Method          : C:\HPCHEM\1\METHODS\SCREEN.M
    Last changed    : 7/9/2021 3:37:33 AM by TW
    SCREEN METHOD
=====================================================================
```



*** End of Report ***

```
=====================================================================
Injection Date  : 12/21/2022 9:23:23 PM          Seq. Line :   9
Sample Name     : 22L0307 26                      Location : Vial 9
Acq. Operator   : CR                                   Inj :   1
                                               Inj Volume : 1 µl
Sequence File   : C:\HPCHEM\1\SEQUENCE\122122.S
Method          : C:\HPCHEM\1\METHODS\SCREEN.M
Last changed    : 7/9/2021 3:37:33 AM by TW
SCREEN METHOD
=====================================================================
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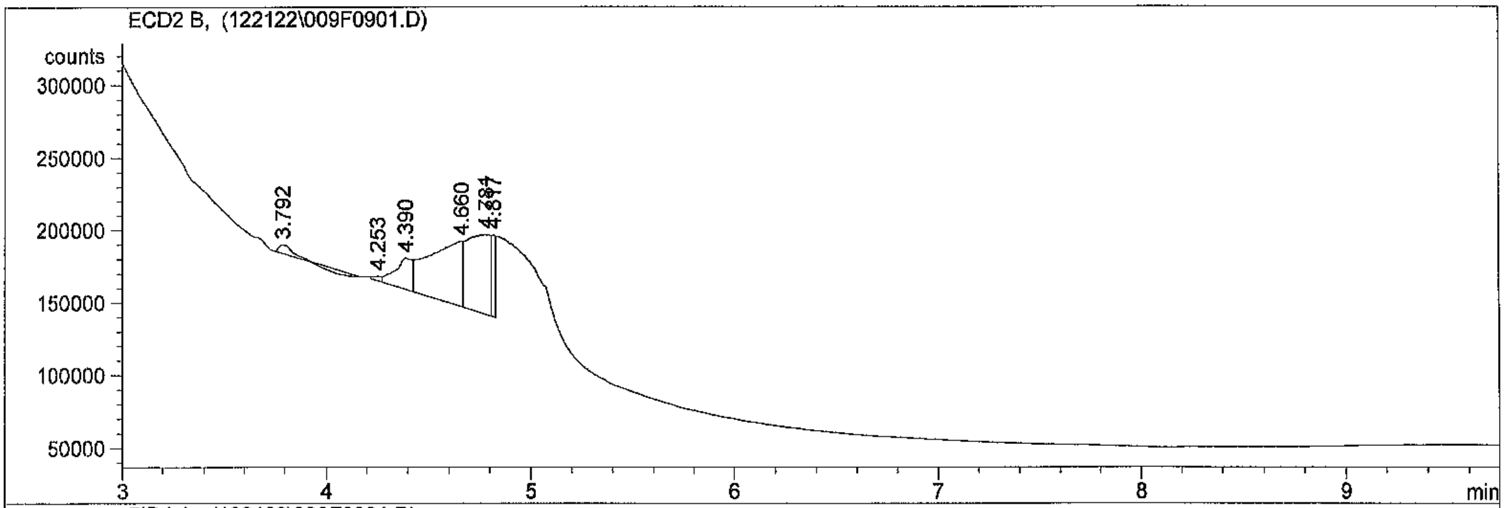
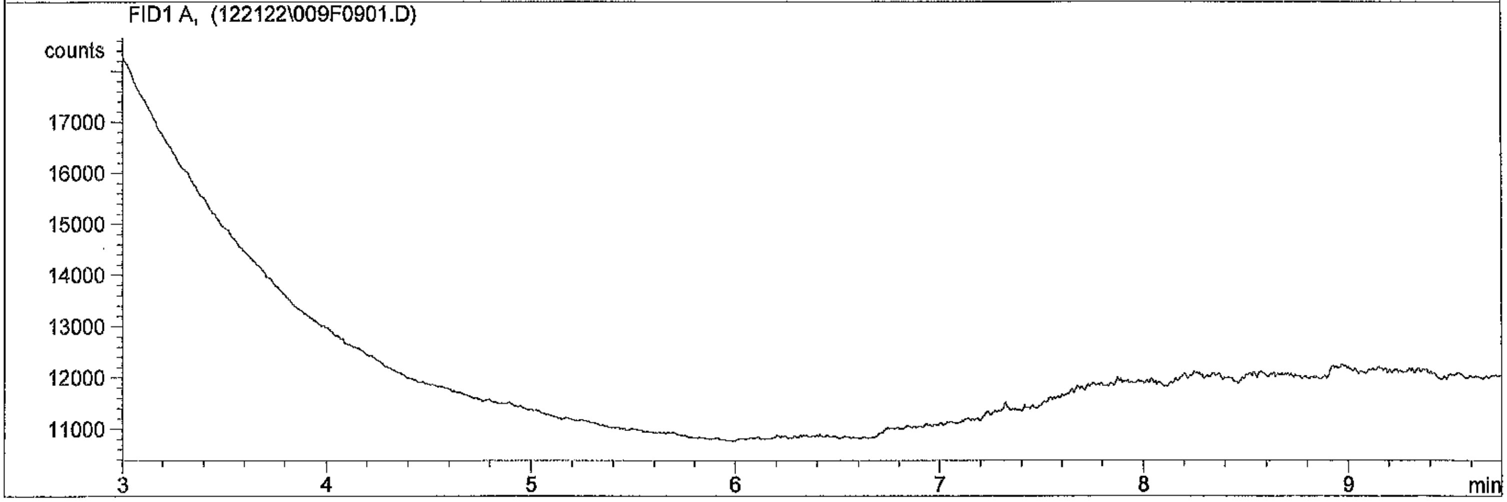
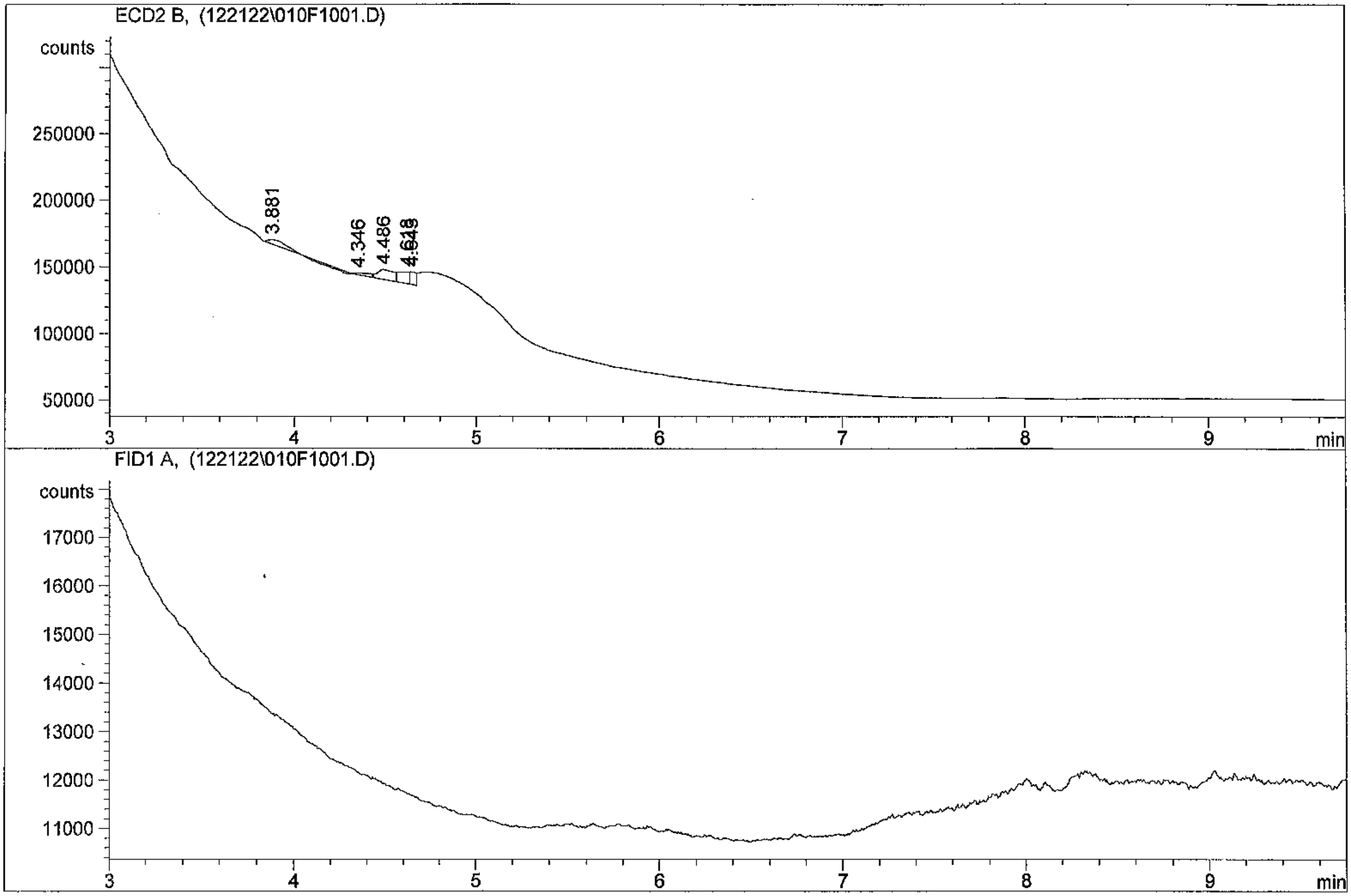




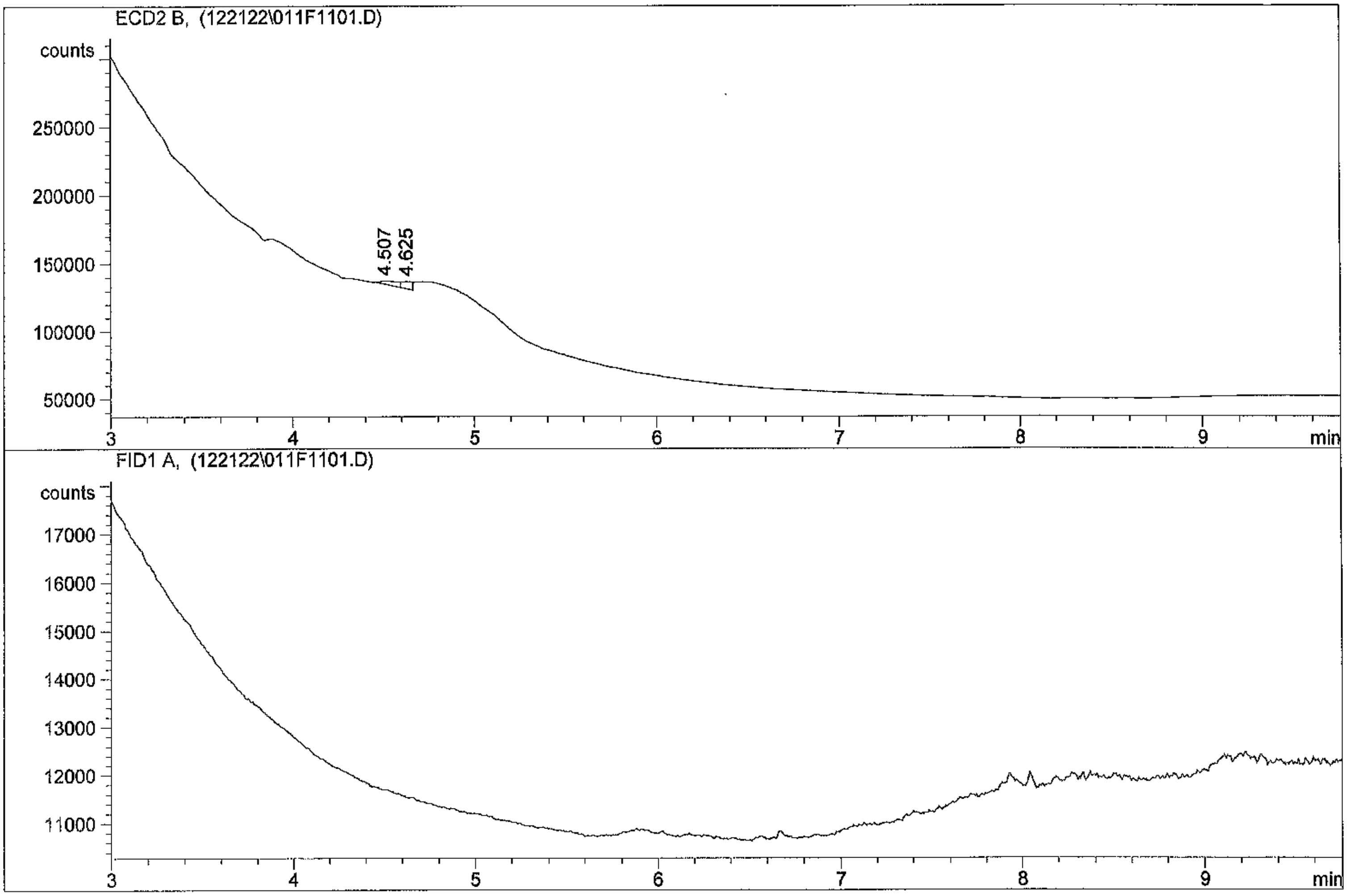
*** End of Report ***

```
Data File C:\HPCHEM\1\DATA\122122\010F1001.D                          Sample Name: 22L0307 27
   =====================================================================
   Injection Date  : 12/21/2022 9:37:07 PM          Seq. Line :  10
   Sample Name     : 22L0307 27                       Location : Vial 10
   Acq. Operator   : CR                                    Inj :   1
                                                   Inj Volume : 1 µl
   Sequence File   : C:\HPCHEM\1\SEQUENCE\122122.S
   Method          : C:\HPCHEM\1\METHODS\SCREEN.M
   Last changed    : 7/9/2021 3:37:33 AM by TW
   SCREEN METHOD
   =====================================================================
```



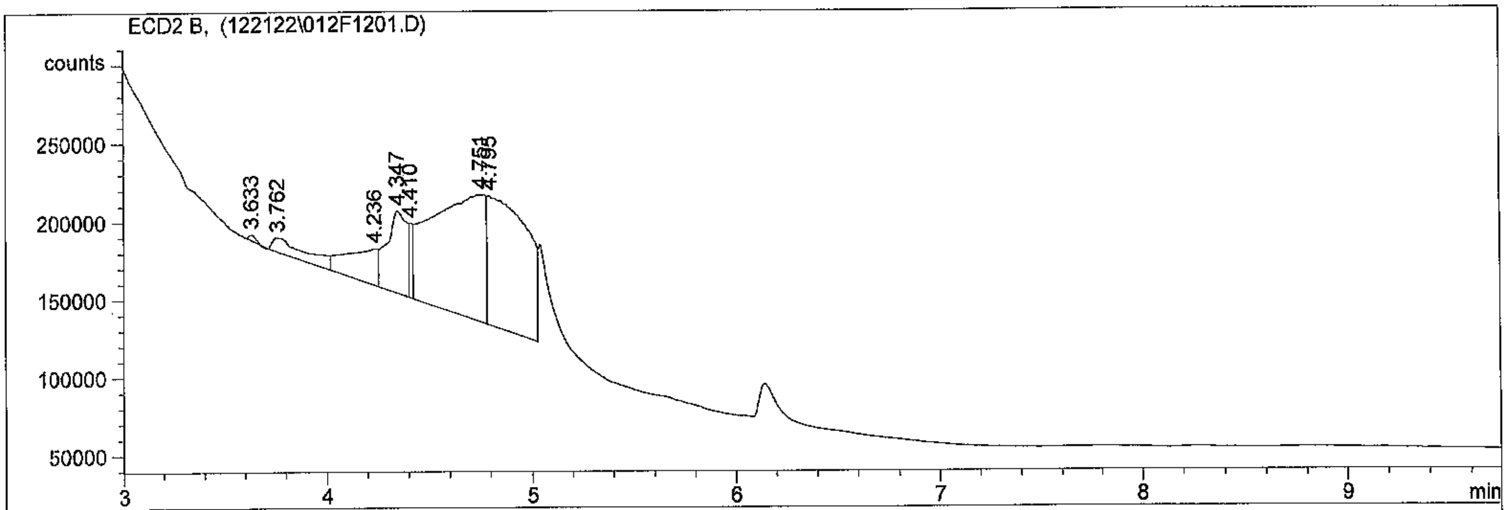
*** End of Report ***

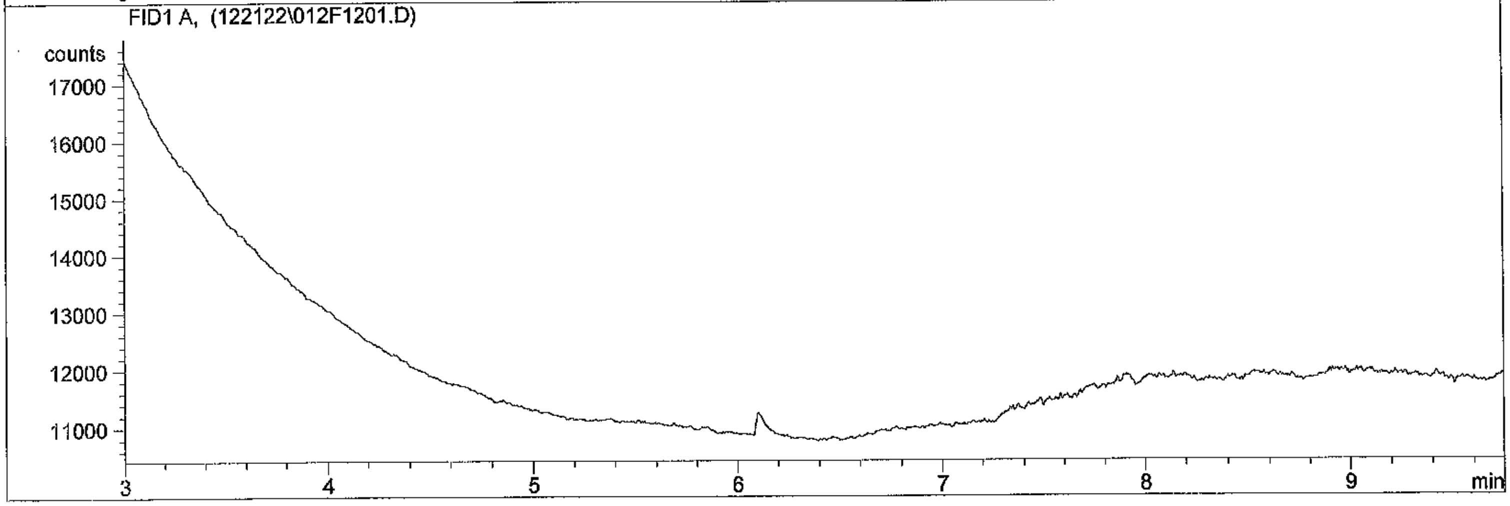
```
=====================================================================
Injection Date  : 12/21/2022 9:50:38 PM           Seq. Line :  11
Sample Name     : 22L0307 28                        Location : Vial 11
Acq. Operator   : CR                                     Inj :  1
                                                  Inj Volume : 1 µl
Sequence File   : C:\HPCHEM\1\SEQUENCE\122122.S
Method          : C:\HPCHEM\1\METHODS\SCREEN.M
Last changed    : 7/9/2021 3:37:33 AM by TW
SCREEN METHOD
=====================================================================
```



*** End of Report ***

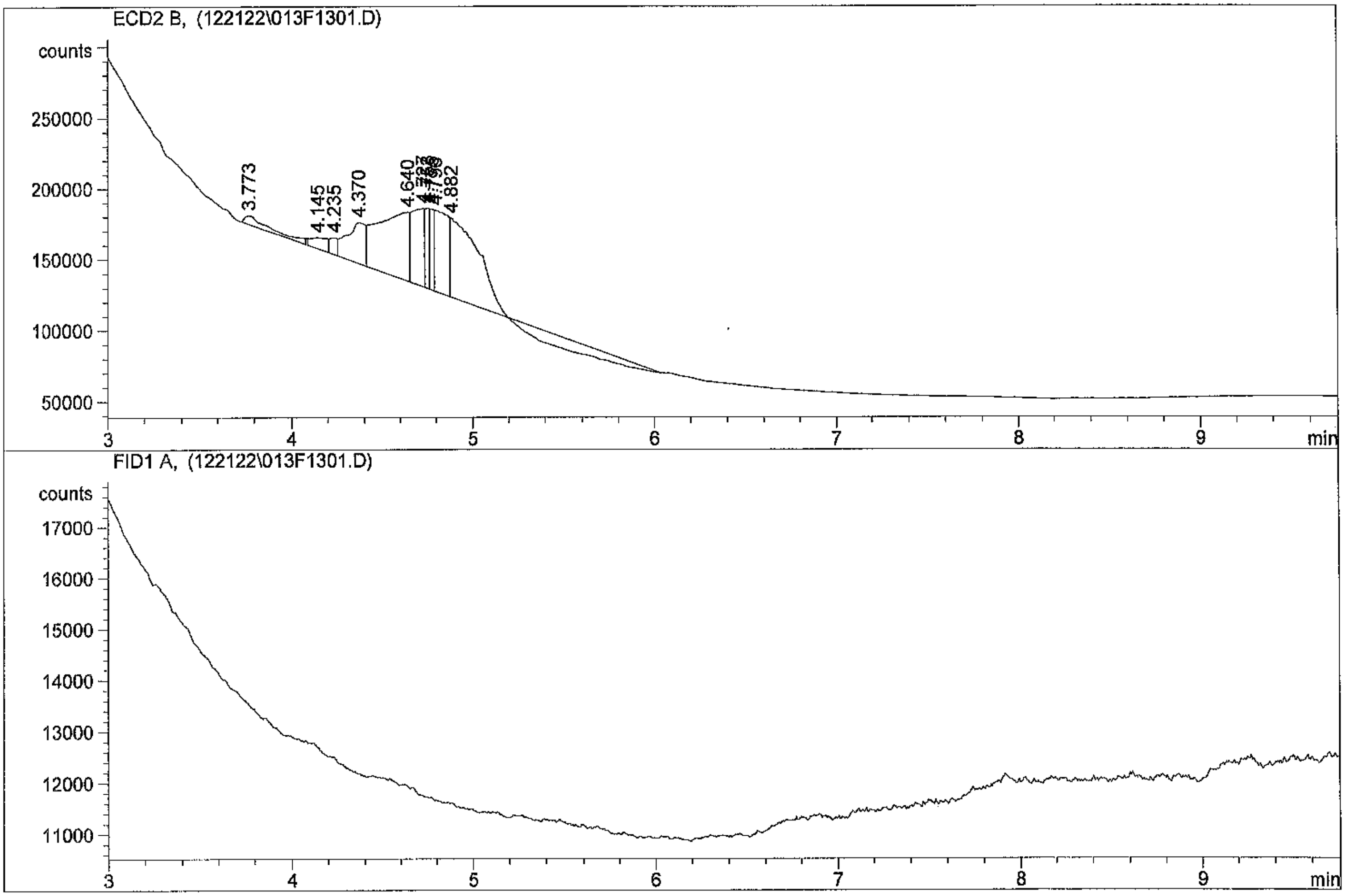
```
=====================================================================
Injection Date  : 12/21/2022 10:04:14 PM       Seq. Line :  12
Sample Name     : 22L0307 29                    Location : Vial 12
Acq. Operator   : CR                                 Inj :  1
                                              Inj Volume : 1 µl
Sequence File   : C:\HPCHEM\1\SEQUENCE\122122.S
Method          : C:\HPCHEM\1\METHODS\SCREEN.M
Last changed    : 7/9/2021 3:37:33 AM by TW
SCREEN METHOD
=====================================================================
```





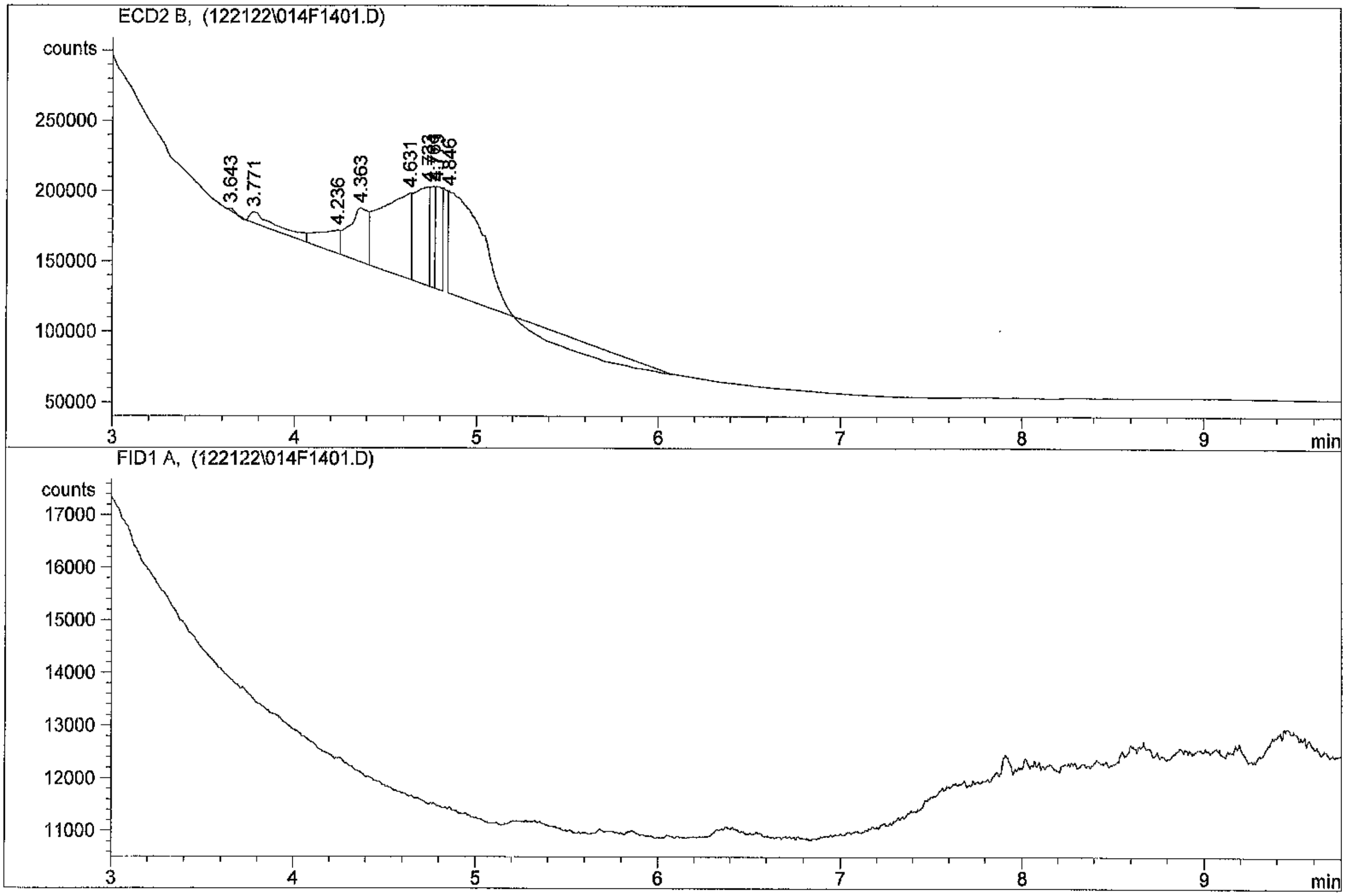
*** End of Report ***

```
Data File C:\HPCHEM\1\DATA\122122\013F1301.D                          Sample Name: 22L0307 30
    =====================================================================
    Injection Date  : 12/21/2022 10:17:47 PM          Seq. Line :  13
    Sample Name     : 22L0307 30                        Location : Vial 13
    Acq. Operator   : CR                                     Inj :   1
                                                     Inj Volume : 1 µl
    Sequence File   : C:\HPCHEM\1\SEQUENCE\122122.S
    Method          : C:\HPCHEM\1\METHODS\SCREEN.M
    Last changed    : 7/9/2021 3:37:33 AM by TW
    SCREEN METHOD
    =====================================================================
```



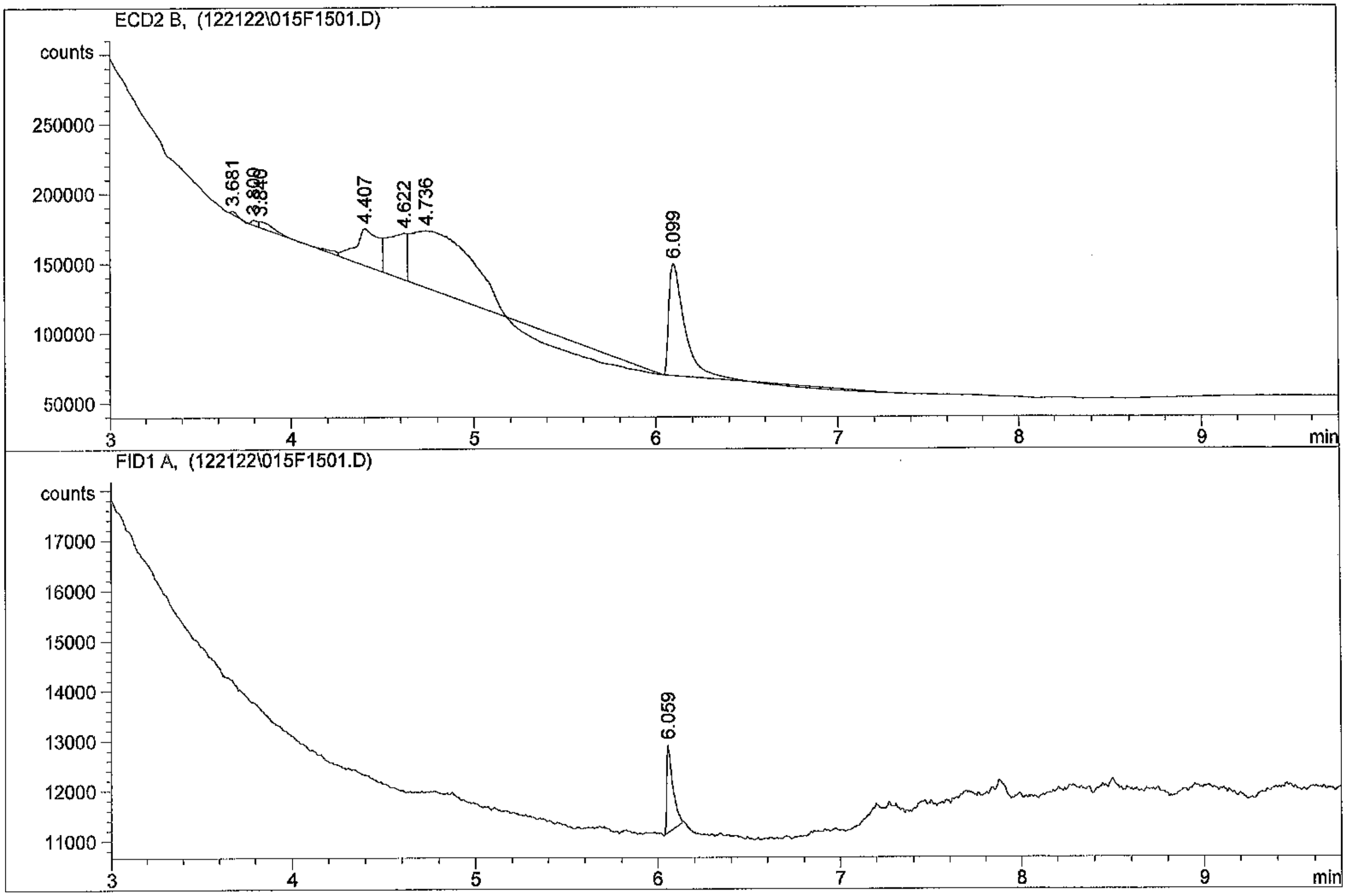
*** End of Report ***

```
Data File C:\HPCHEM\1\DATA\122122\014F1401.D                    Sample Name: 22L0307 31
     =====================================================================
     Injection Date  : 12/21/2022 10:31:26 PM          Seq. Line :  14
     Sample Name     : 22L0307 31                       Location : Vial 14
     Acq. Operator   : CR                                    Inj :  1
                                                      Inj Volume : 1 µl
     Sequence File   : C:\HPCHEM\1\SEQUENCE\122122.S
     Method          : C:\HPCHEM\1\METHODS\SCREEN.M
     Last changed    : 7/9/2021 3:37:33 AM by TW
     SCREEN METHOD
     =====================================================================
```



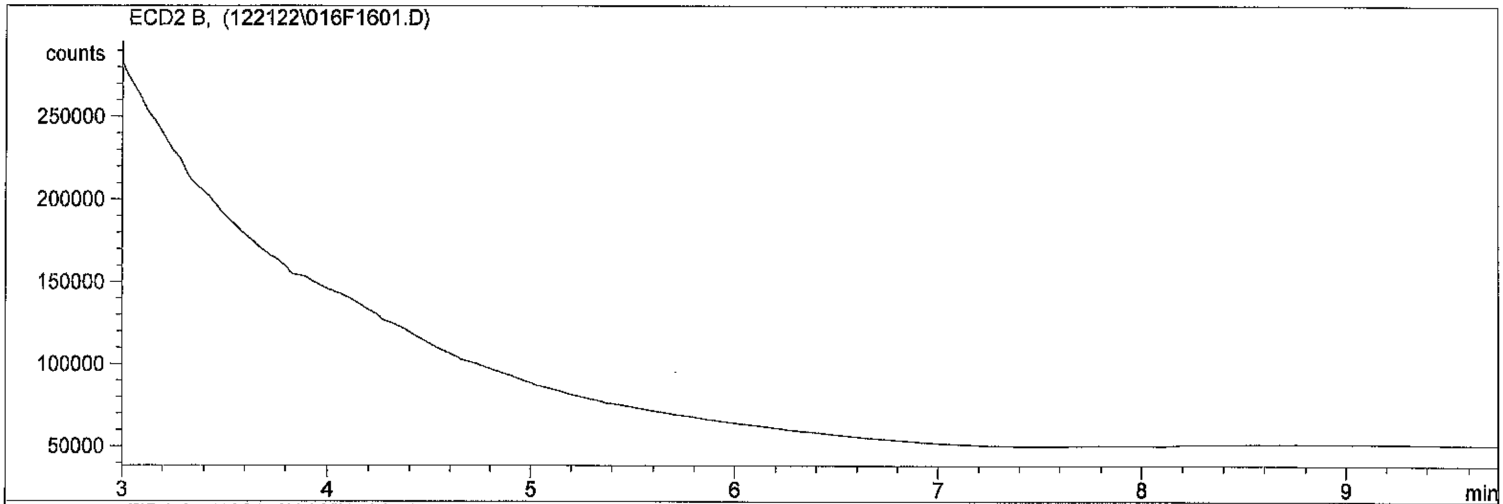
*** End of Report ***

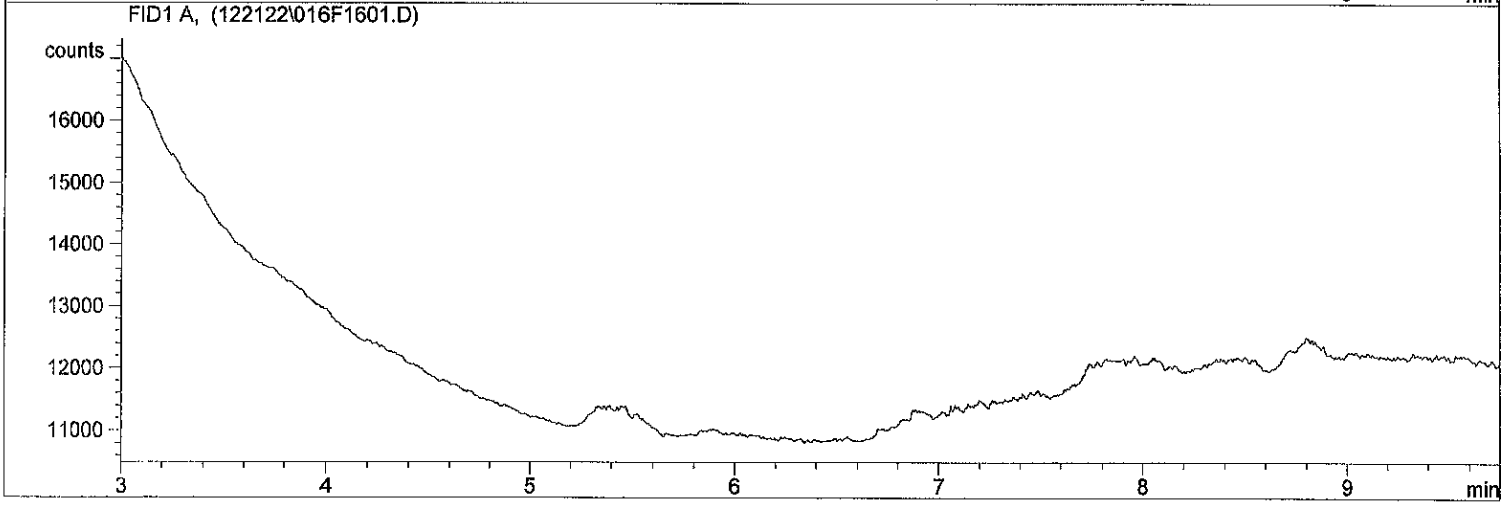
```
=====================================================================
Injection Date  : 12/21/2022 10:44:57 PM          Seq. Line :  15
Sample Name     : 22L0307 32                       Location : Vial 15
Acq. Operator   : CR                                    Inj :   1
                                                 Inj Volume : 1 µl
Sequence File   : C:\HPCHEM\1\SEQUENCE\122122.S
Method          : C:\HPCHEM\1\METHODS\SCREEN.M
Last changed    : 7/9/2021 3:37:33 AM by TW
SCREEN METHOD
=====================================================================
```



*** End of Report ***

```
Data File C:\HPCHEM\1\DATA\122122\016F1601.D                   Sample Name: 22L0307 33
    ===================================================================
    Injection Date  : 12/21/2022 10:58:34 PM          Seq. Line :  16
    Sample Name     : 22L0307 33                       Location : Vial 16
    Acq. Operator   : CR                                    Inj :   1
                                                     Inj Volume : 1 µl
    Sequence File   : C:\HPCHEM\1\SEQUENCE\122122.S
    Method          : C:\HPCHEM\1\METHODS\SCREEN.M
    Last changed    : 7/9/2021 3:37:33 AM by TW
    SCREEN METHOD
    ===================================================================
```

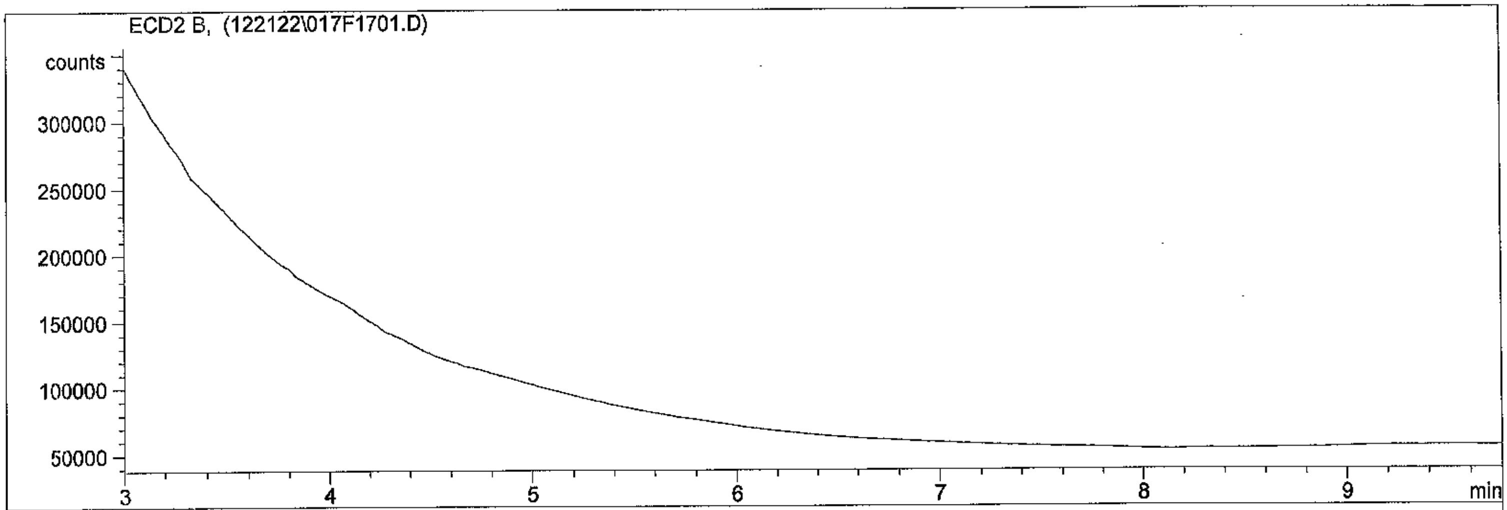


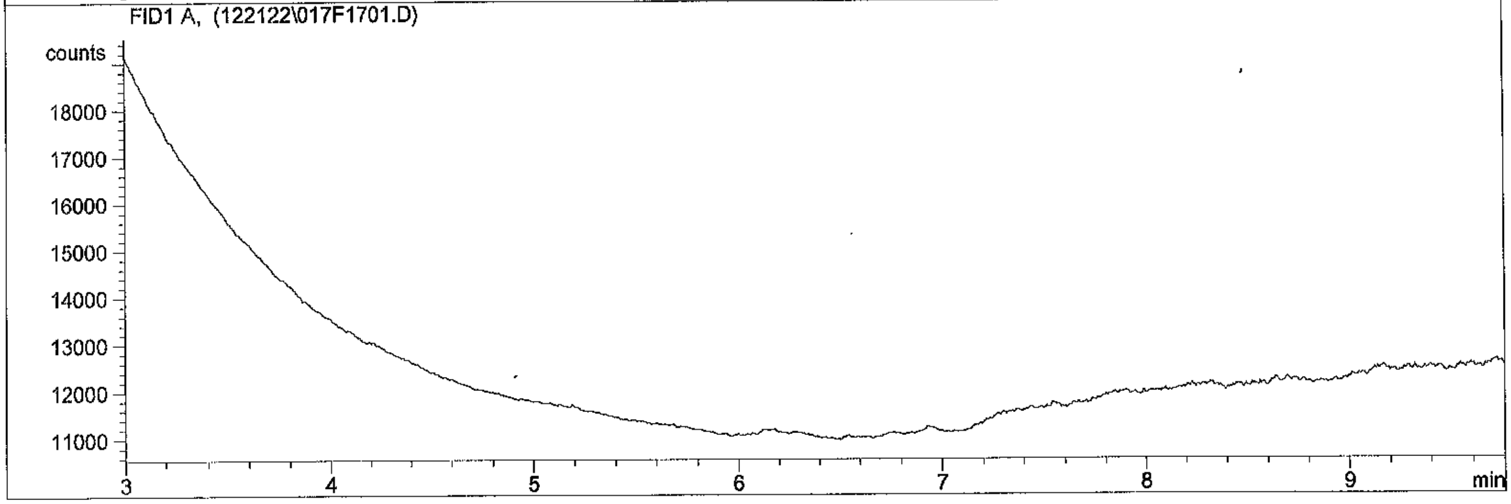


*** End of Report ***

```
Injection Date   : 12/21/2022 11:12:09 PM           Seq. Line :  17
Sample Name      : 22L0307 34                        Location : Vial 17
Acq. Operator    : CR                                     Inj :   1
                                                   Inj Volume : 1 µl

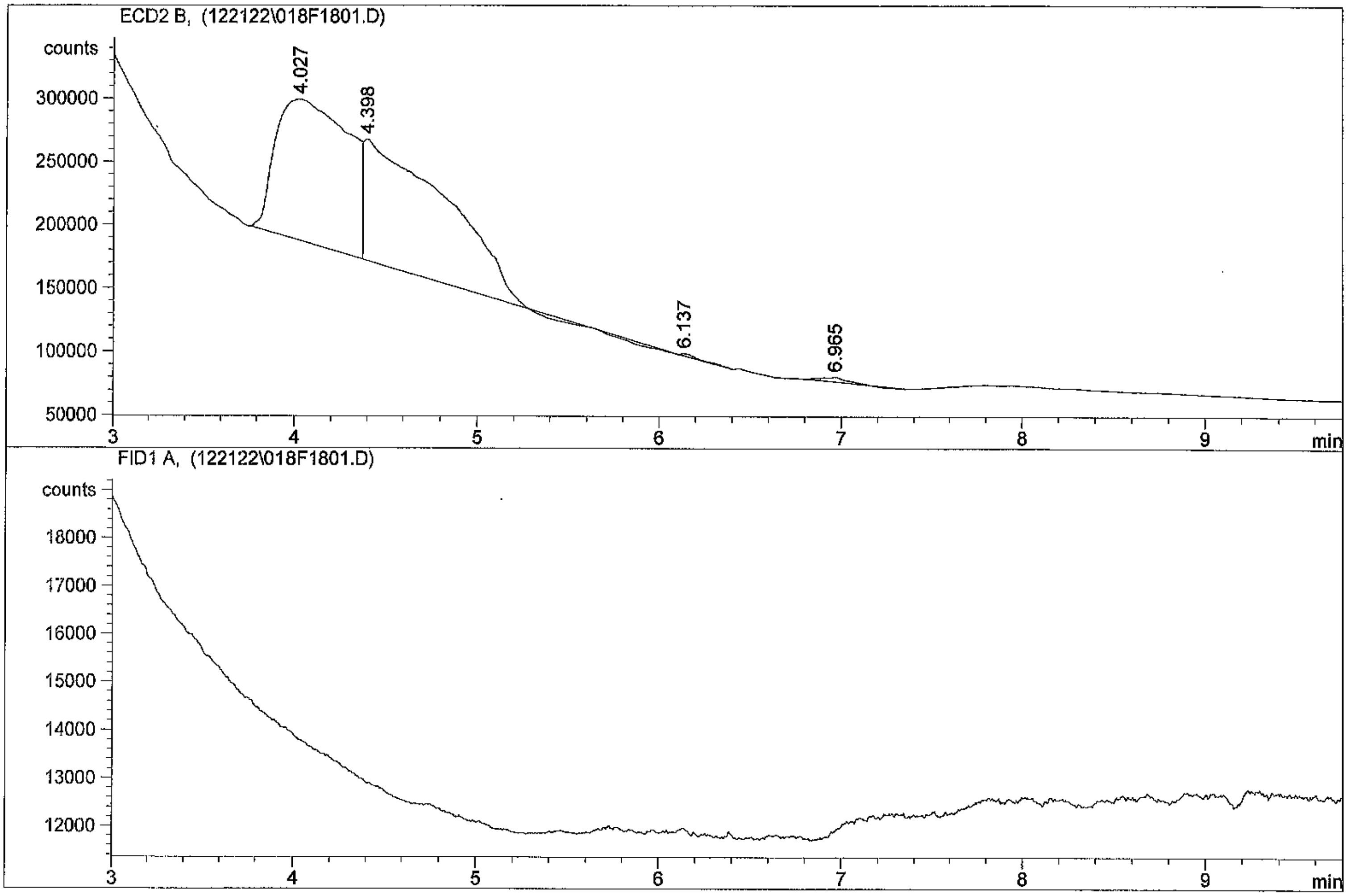
Sequence File    : C:\HPCHEM\1\SEQUENCE\122122.S
Method           : C:\HPCHEM\1\METHODS\SCREEN.M
Last changed     : 7/9/2021 3:37:33 AM by TW
SCREEN METHOD
```





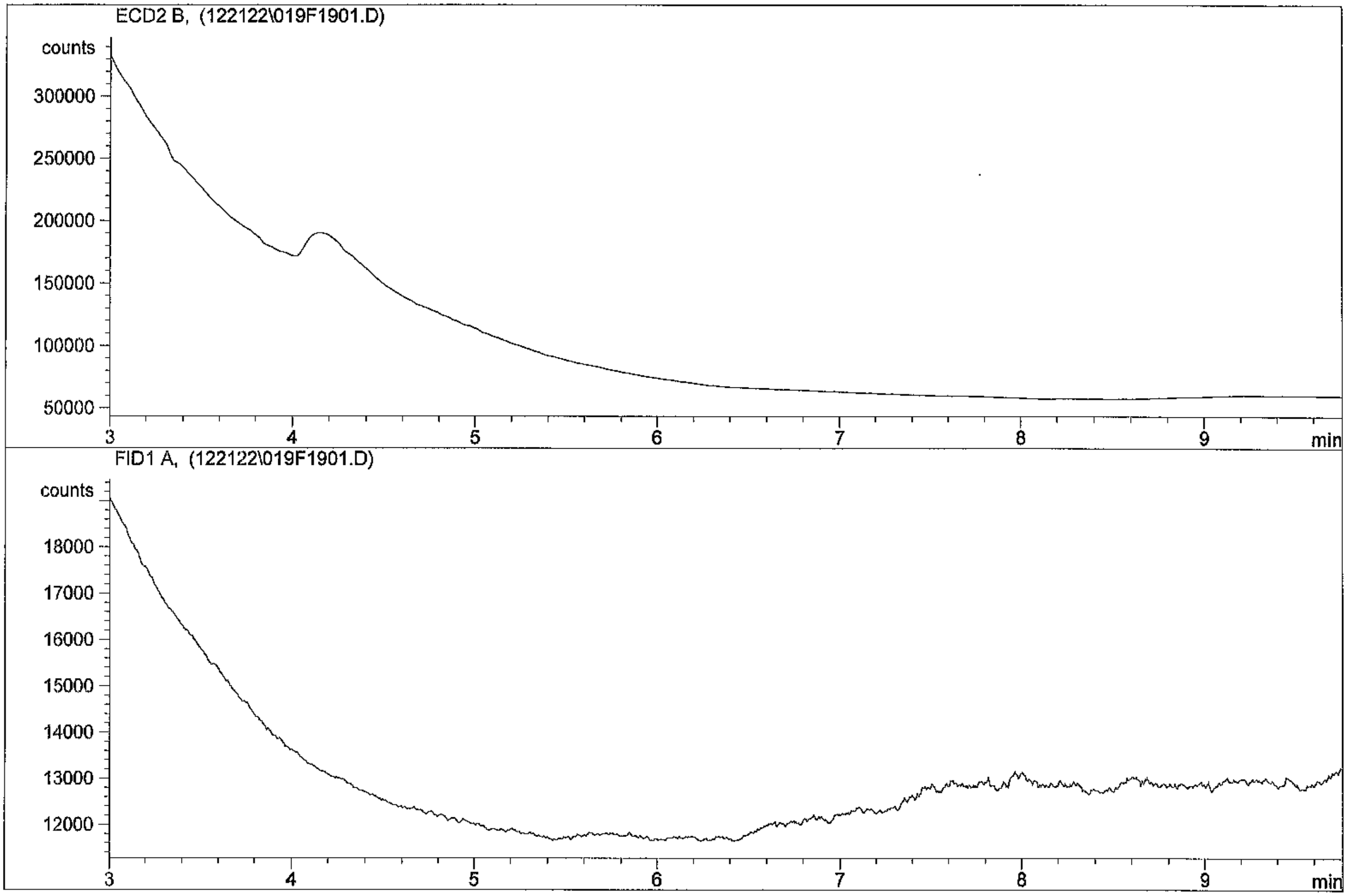
*** End of Report ***

```
Data File C:\HPCHEM\1\DATA\122122\018F1801.D                          Sample Name: 22L0307 35
    ==================================================================
    Injection Date  : 12/21/2022 11:25:48 PM         Seq. Line :  18
    Sample Name     : 22L0307 35                      Location : Vial 18
    Acq. Operator   : CR                                   Inj :   1
                                                    Inj Volume : 1 µl
    Sequence File   : C:\HPCHEM\1\SEQUENCE\122122.S
    Method          : C:\HPCHEM\1\METHODS\SCREEN.M
    Last changed    : 7/9/2021 3:37:33 AM by TW
    SCREEN METHOD
    ==================================================================
```



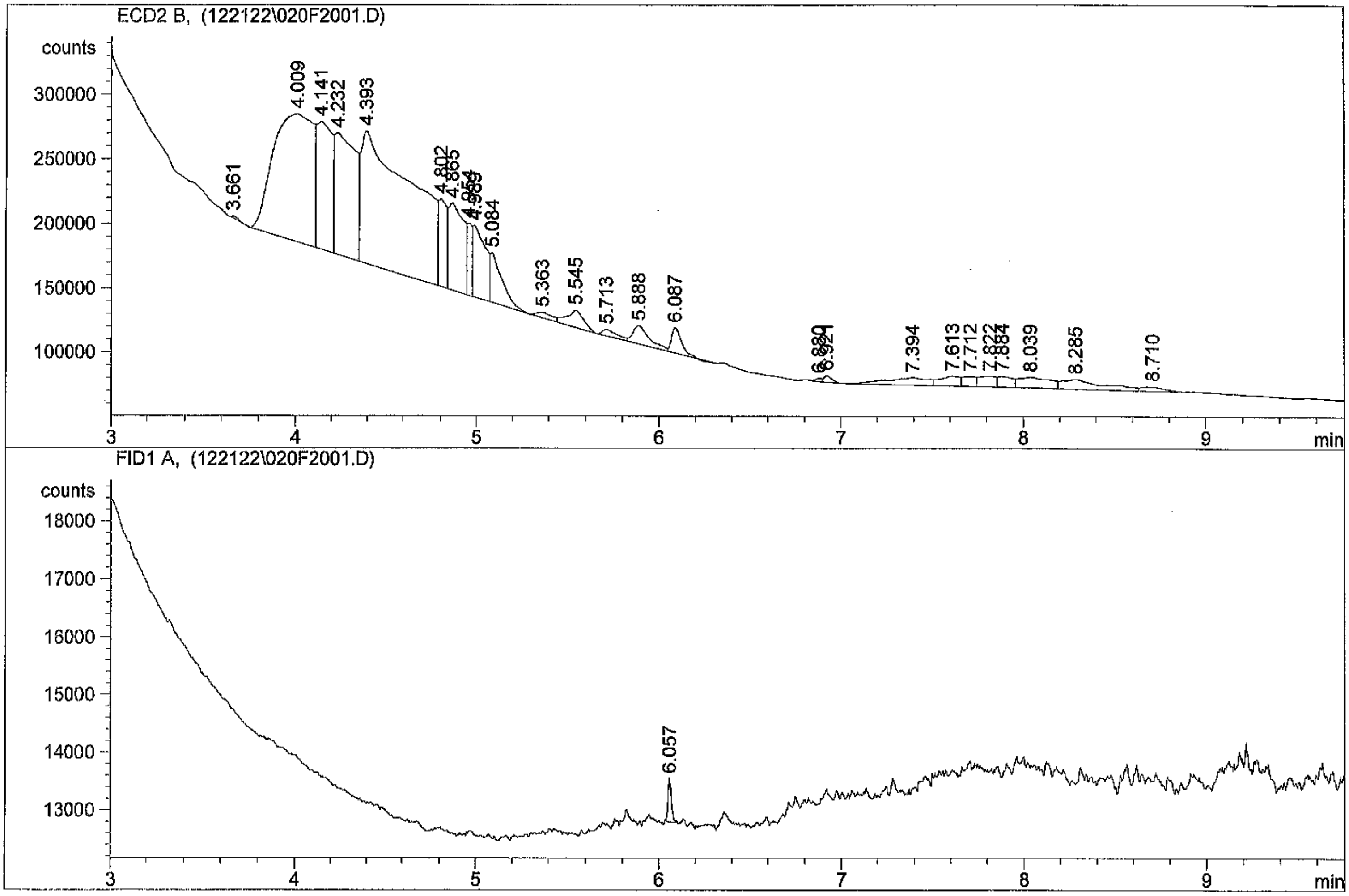
*** End of Report ***

```
=====================================================================
Injection Date  : 12/21/2022 11:39:14 PM       Seq. Line :  19
Sample Name     : 22L0307 36                    Location : Vial 19
Acq. Operator   : CR                                 Inj :   1
                                              Inj Volume : 1 µl
Sequence File   : C:\HPCHEM\1\SEQUENCE\122122.S
Method          : C:\HPCHEM\1\METHODS\SCREEN.M
Last changed    : 7/9/2021 3:37:33 AM by TW
SCREEN METHOD
=====================================================================
```



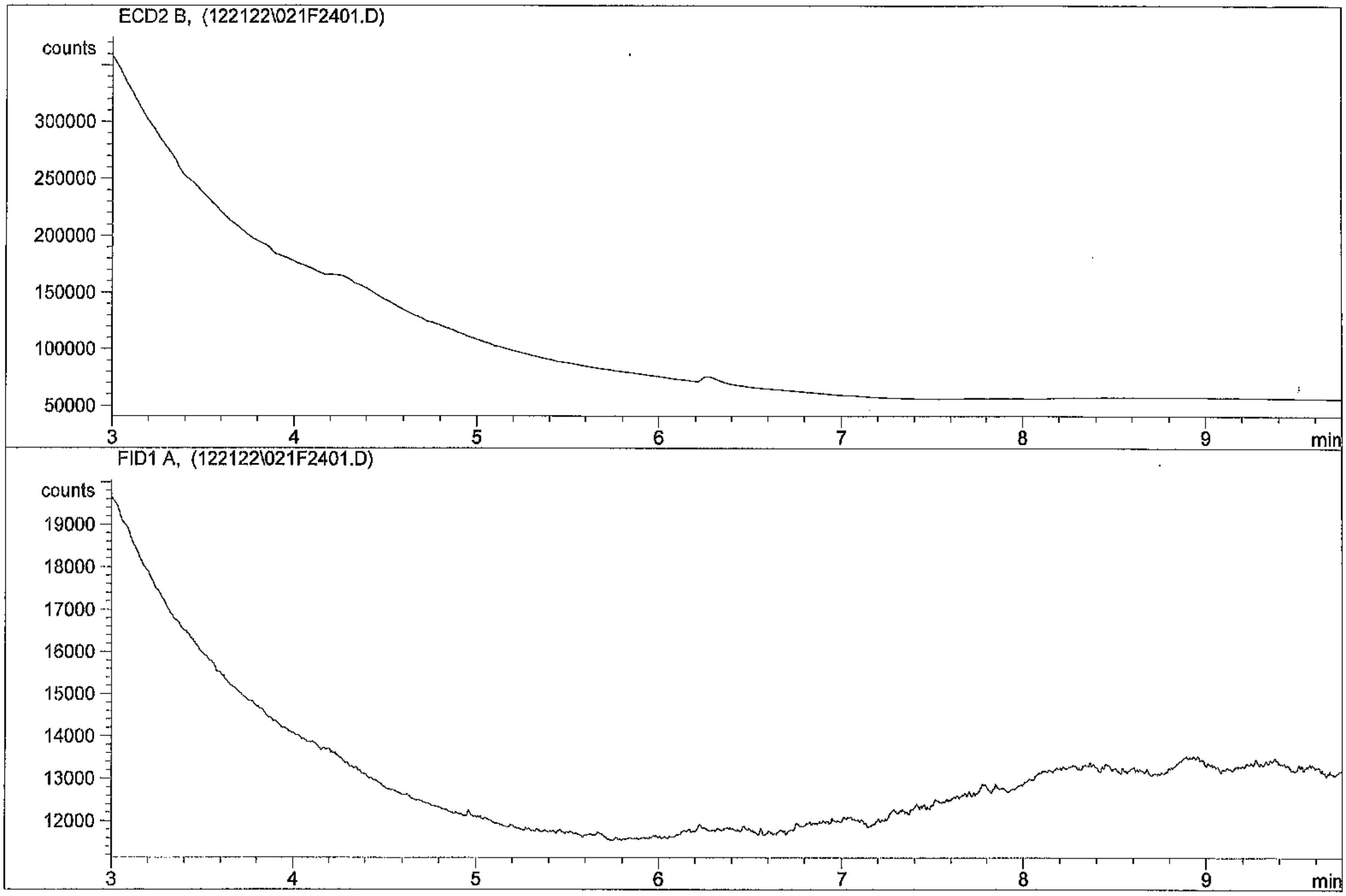
*** End of Report ***

```
=====================================================================
Injection Date  : 12/21/2022 11:52:53 PM          Seq. Line :  20
Sample Name     : 22L0307 37                       Location : Vial 20
Acq. Operator   : CR                                    Inj :  1
                                                 Inj Volume : 1 µl
Sequence File   : C:\HPCHEM\1\SEQUENCE\122122.S
Method          : C:\HPCHEM\1\METHODS\SCREEN.M
Last changed    : 7/9/2021 3:37:33 AM by TW
SCREEN METHOD
=====================================================================
```



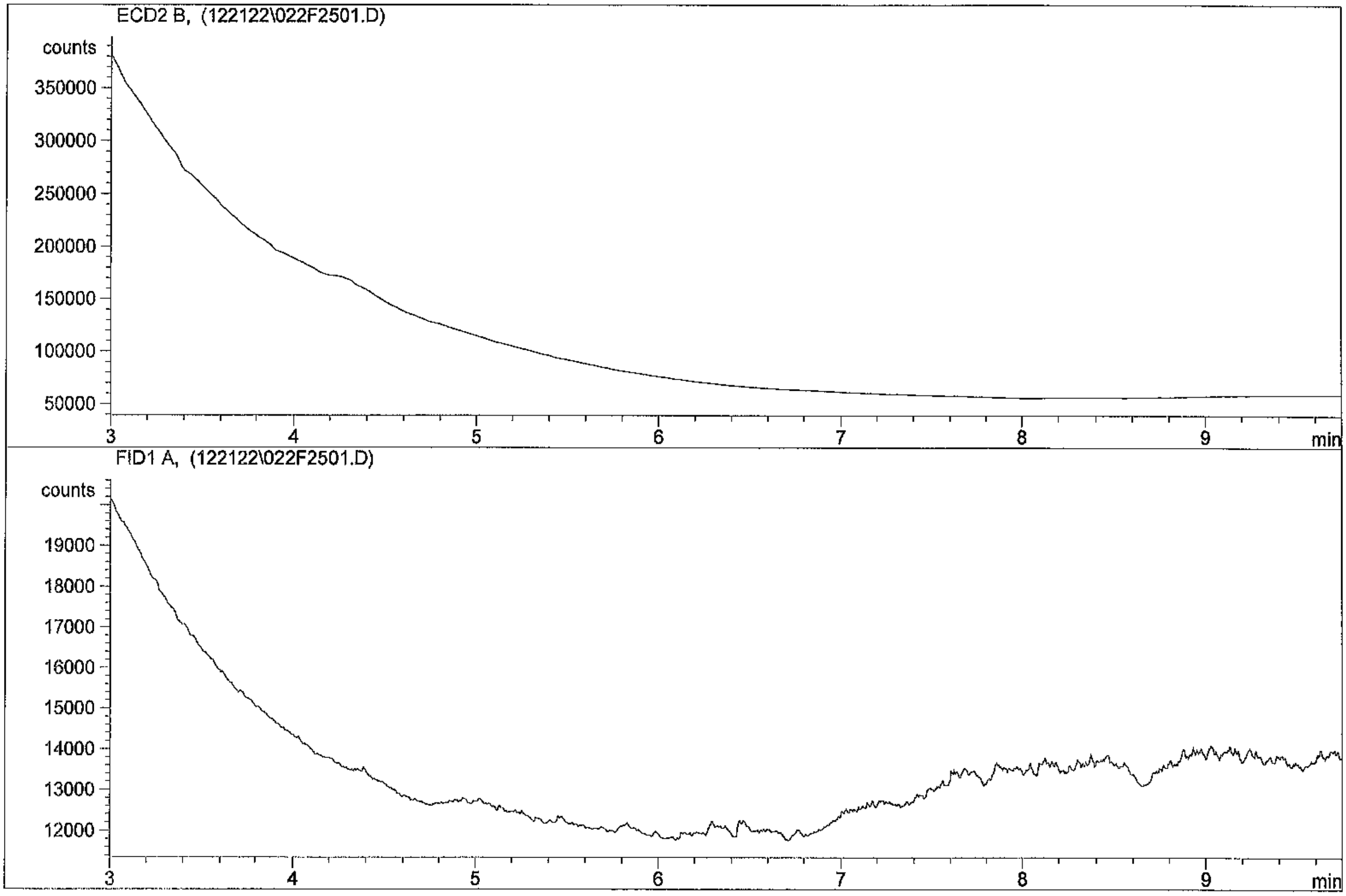
*** End of Report ***

```
Data File C:\HPCHEM\1\DATA\122122\021F2401.D                          Sample Name: 22L0307 38
    ===================================================================
    Injection Date  : 12/22/2022 12:47:16 AM          Seq. Line :  24
    Sample Name     : 22L0307 38                       Location : Vial 21
    Acq. Operator   : CR                                    Inj :   1
                                                     Inj Volume : 1 µl
    Sequence File   : C:\HPCHEM\1\SEQUENCE\122122.S
    Method          : C:\HPCHEM\1\METHODS\SCREEN.M
    Last changed    : 7/9/2021 3:37:33 AM by TW
    SCREEN METHOD
    ===================================================================
```



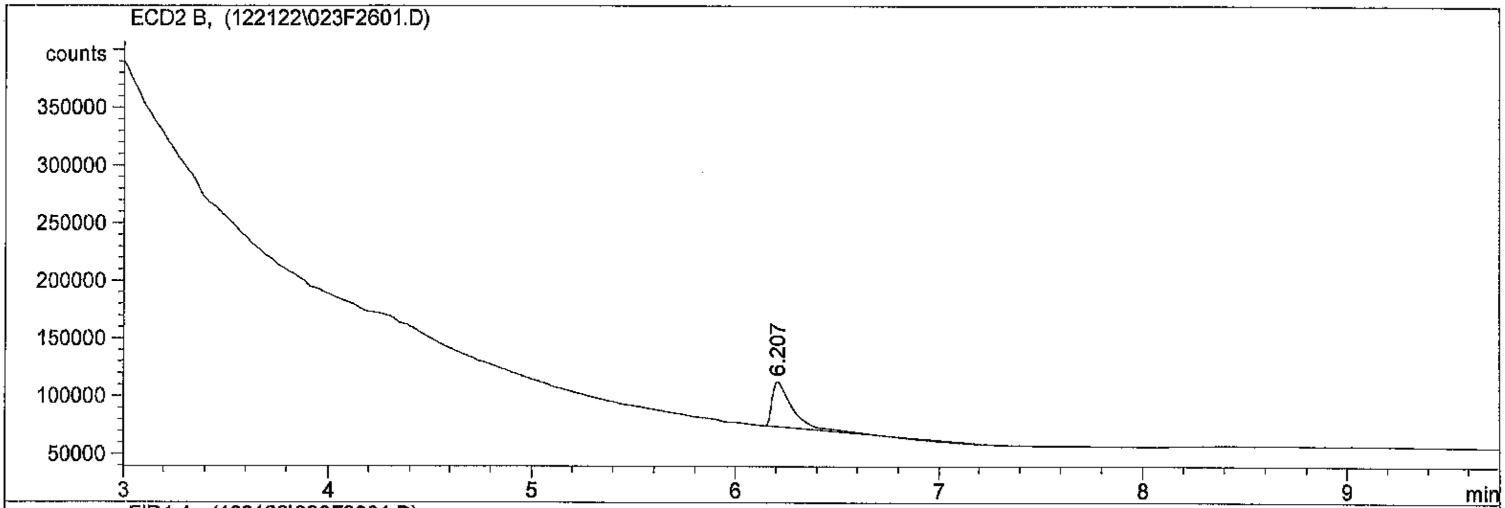
```
                              *** End of Report ***
```

```
=====================================================================
Injection Date  : 12/22/2022 1:00:44 AM            Seq. Line :  25
Sample Name     : 22L0307 39                        Location : Vial 22
Acq. Operator   : CR                                     Inj :  1
                                                  Inj Volume : 1 µl
Sequence File   : C:\HPCHEM\1\SEQUENCE\122122.S
Method          : C:\HPCHEM\1\METHODS\SCREEN.M
Last changed    : 7/9/2021 3:37:33 AM by TW
SCREEN METHOD
=====================================================================
```

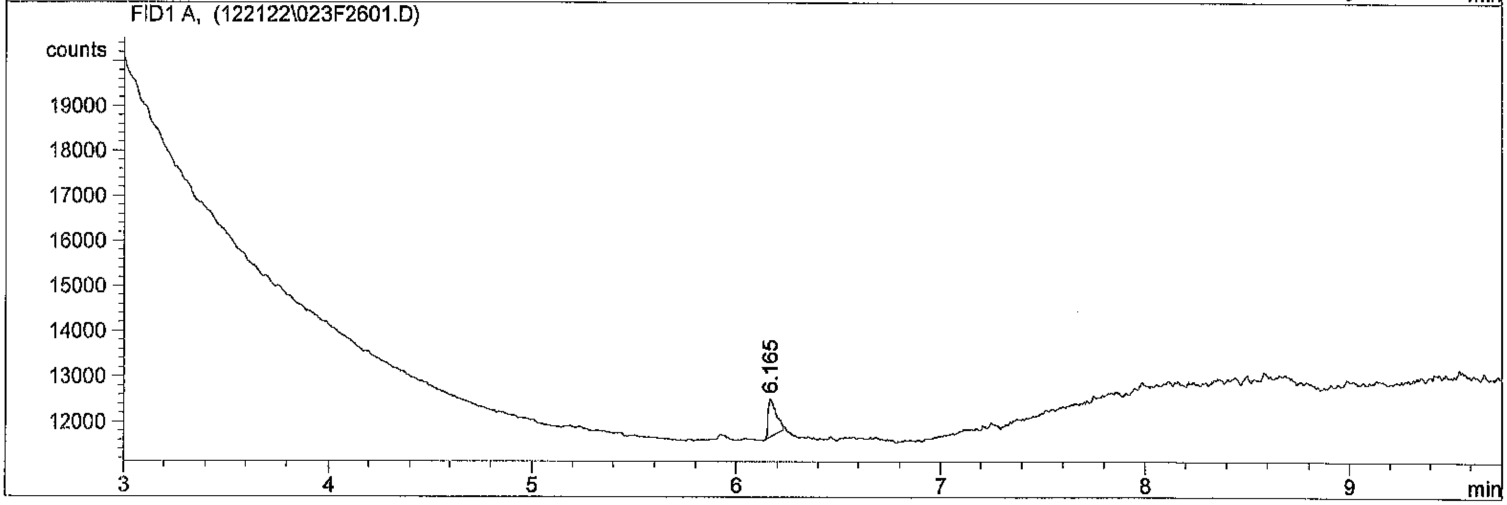


*** End of Report ***

```
=====================================================================
Injection Date  : 12/22/2022 1:14:26 AM          Seq. Line :  26
Sample Name     : 22L0307 40                      Location : Vial 23
Acq. Operator   : CR                                   Inj :  1
                                                Inj Volume : 1 µl
Sequence File   : C:\HPCHEM\1\SEQUENCE\122122.S
Method          : C:\HPCHEM\1\METHODS\SCREEN.M
Last changed    : 7/9/2021 3:37:33 AM by TW
SCREEN METHOD
=====================================================================
```



ECD2 B, (122122\023F2601.D)



FID1 A, (122122\023F2601.D)

*** End of Report ***

PREPARATION BATCH SUMMARY

EPA 8082A

Laboratory:	Analytical Resources, LLC	SDG:	22L0307
Client:	Anchor QEA, LLC	Project:	AOC4 UR Phase 3
Batch:	BKL0583 Batch Matrix: Solid	Preparation:	EPA 3546 (Microwave)

SAMPLE NAME	LAB SAMPLE ID	LAB FILE ID	DATE PREPARED	OBSERVATIONS
LDW22-SC804G	22L0307-41	01092308ECD7.D	12/29/22 13:41	
LDW22-SC804H	22L0307-42	01092309ECD7.D	12/29/22 13:41	
LDW22-SC752A	22L0307-43	01092310ECD7.D	12/29/22 13:41	
LDW22-SC752B	22L0307-44	01092311ECD7.D	12/29/22 13:41	
LDW22-SC752C	22L0307-45	01092312ECD7.D	12/29/22 13:41	
LDW22-SC752D	22L0307-46	01092313ECD7.D	12/29/22 13:41	
LDW22-SC752E	22L0307-47	01092314ECD7.D	12/29/22 13:41	
LDW22-SC752F	22L0307-48	01092315ECD7.D	12/29/22 13:41	
LDW22-SC752G	22L0307-49	01092316ECD7.D	12/29/22 13:41	
LDW22-SC752H	22L0307-50	01092317ECD7.D	12/29/22 13:41	
LDW22-SC752B-FD	22L0307-51	01092322ECD7.D	12/29/22 13:41	
LDW22-SC800A	22L0307-52	01092323ECD7.D	12/29/22 13:41	
LDW22-SC800B	22L0307-53	01092324ECD7.D	12/29/22 13:41	
LDW22-SC800C	22L0307-54	01092325ECD7.D	12/29/22 13:41	
LDW22-SC800D	22L0307-55	01092326ECD7.D	12/29/22 13:41	
LDW22-SC800E	22L0307-56	01092327ECD7.D	12/29/22 13:41	
LDW22-SC800F	22L0307-57	01102323ECD7.D	12/29/22 13:41	
LDW22-SC800G	22L0307-58	01092329ECD7.D	12/29/22 13:41	
LDW22-SC800H	22L0307-59	01092330ECD7.D	12/29/22 13:41	
LDW22-SC783B	22L0307-60	01102324ECD7.D	12/29/22 13:41	
Blank	BKL0583-BLK1	01092304ECD7.D	12/29/22 13:41	
LCS	BKL0583-BS1	01092305ECD7.D	12/29/22 13:41	
LCS Dup	BKL0583-BSD1	01092306ECD7.D	12/29/22 13:41	
LDW22-SC752H	BKL0583-MS1	01092320ECD7.D	12/29/22 13:41	
LDW22-SC752H	BKL0583-MSD1	01092321ECD7.D	12/29/22 13:41	
Reference	BKL0583-SRM1	01092307ECD7.D	12/29/22 13:41	

Analytical Resources, LLC
Analytical Chemists and Consultants

ORGANICS PREPARATION BENCH SHEET

Batch: BKL0583

Prepared using: EPA 3546 (Microwave)

8082A PCB Solid 4 in Solid (Version:7 Aroclors)

Matrix: Solid **Date Prepared:** 12/29/22 **Balance ID:** B146462614 **Set Up By:** CPO 12/22/22

WO Comments

22L0307: <G> BPR Project batch as much as possible </G> <C>BPR SRM, MS, DUP </C> <M>BPR PS, MS/MSD </M> <E>BPR 8270E RM H002055, SIM RM H010158, PCB RM J006840-43, 7935-36, MS/MSD </E>
<H>BPR J006840-43, 7935-36 Dup </H> Store immediately in freezer (except GS)

The following standards may be missing from this batch!

Designator	Description
QLS 5	QLS Spike

Analysis: 8082A PCB Solid 4

Lab Number & Container	% Solids	Initial (g) Target Dry: 12.5 (Wet)	Actual	(REQ) Acid C/U (5mL)	(REQ) Sulfur C/U (5mL) 1 2 3	(REQ) Silica Gel C/U (2:5)	Final Effective Vol (mL)	Vol (mL) to Lab	Extraction Comments
22L0307-41 B	70.8	(17.67)	17.67	5mL	5mL	2mL	2.5	1.0	
22L0307-42 B	74.6	(16.77)	16.79	5mL	5mL	2mL	2.5	1.0	
22L0307-43 B	71.4	(17.50)	17.57	5mL	5mL	2mL	2.5	1.0	
22L0307-44 B	70.3	(17.79)	17.79	5mL	5mL	2mL	2.5	1.0	
22L0307-45 B	71.1	(17.57)	17.64	5mL	5mL	2mL	2.5	1.0	
22L0307-46 B	65.9	(18.97)	18.98	5mL	5mL	2mL	2.5	1.0	
22L0307-47 B	68.4	(18.28)	18.33	5mL	5mL	2mL	2.5	1.0	
22L0307-48 B	64.3	(19.44)	19.49	5mL	5mL	2mL	2.5	1.0	
22L0307-49 B	73.3	(17.05)	17.11	5mL	5mL	2mL	2.5	1.0	
22L0307-50 B	76.5	(16.34)	16.34	5mL	5mL	2mL	2.5	1.0	
22L0307-51 B	70.9	(17.62)	17.69	5mL	5mL	2mL	2.5	1.0	
22L0307-52 B	45.3	(27.62)	27.69	5mL	5mL	2mL	2.5	1.0	
22L0307-53 B	50.6	(24.71)	24.78	5mL	5mL	2mL	2.5	1.0	
22L0307-54 B	57.5	(21.75)	21.80	5mL	5mL	2mL	2.5	1.0	
22L0307-55 B	60.1	(20.79)	20.79	5mL	5mL	2mL	2.5	1.0	
22L0307-56 B	63.0	(19.85)	19.85	5mL	5mL	2mL	2.5	1.0	
22L0307-57 B	55.6	(22.49)	22.50	5mL	5mL	2mL	2.5	1.0	
22L0307-58 B	69.1	(18.10)	18.12	5mL	5mL	2mL	2.5	1.0	
22L0307-59 B	62.4	(20.03)	20.05	5mL	5mL	2mL	2.5	1.0	
22L0307-60 B	58.2	(21.46)	21.46	5mL	5mL	2mL	2.5	1.0	

Batch QC

Lab Number	% Solids	Initial (g) Target Dry: 12.5 (Wet)	Actual	(REQ) Acid C/U (5mL)	(REQ) Sulfur C/U (5mL) 1 2 3	(REQ) Silica Gel C/U (2:5)	Final Effective Vol (mL)	Vol (mL) to Lab	Extraction Comments
BKL0583-BLK1	100.0	(12.50)	12.50	5mL	5mL	2mL	2.5	1.0	(10g Actual Wt.)
BKL0583-BS1	100.0	(12.50)	12.50	5mL	5mL	2mL	2.5	1.0	(10g Actual Wt.)
BKL0583-BSD1	100.0	(12.50)	12.50	5mL	5mL	2mL	2.5	1.0	(10g Actual Wt.)
BKL0583-MS1	76.5	(16.34)	16.35	5mL	5mL	2mL	2.5	1.0	Use 22L0307-50
BKL0583-MSD1	76.5	(16.34)	16.35	5mL	5mL	2mL	2.5	1.0	Use 22L0307-50
BKL0583-SRM1	100.0	~~(12.50)~~ (2.50) +1g DI WATER	2.50	5mL	5mL	2mL	2.5	1.0	Use ~~K010815~~ K010816

Printed: 12/22/2022 1:34:03PM

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Page 1 of 3

Analytical Resources, LLC
Analytical Chemists and Consultants

ORGANICS PREPARATION BENCH SHEET

Batch: BKL0583

Prepared using: EPA 3546 (Microwave)

8082A PCB Solid 4 in Solid (Version:7 Aroclors)

WO Comments

22L0307: <G> BPR Project batch as much as possible </G> <C>BPR SRM, MS, DUP </C> <M>BPR PS, MS/MSD </M> <E>BPR 8270E RM H002055, SIM RM H010158, PCB RM J006840-43, 7935-36, MS/MSD </E>
<H>BPR J006840-43, 7935-36 Dup </H> Store immediately in freezer (except GS)

12/29/22
Client ID verified By Date

DM 1-6-23
Preparation Reviewed By Date

12/29/22 13:41
Extraction Date and Time

ORGANICS PREPARATION BENCH SHEET

Batch: BKL0583

Prepared using: EPA 3546 (Microwave)

8082A PCB Solid 4 in Solid (Version:7 Aroclors)

WO Comments

22L0307: <G> BPR Project batch as much as possible </G> <C>BPR SRM, MS, DUP </C> <M>BPR PS, MS/MSD </M> <E>BPR 8270E RM H002055, SIM RM H010158, PCB RM J006840-43, 7935-36, MS/MSD </E>
<H>BPR J006840-43, 7935-36 Dup </H> Store immediately in freezer (except GS)

Prep Steps

Microwave

CT [✓ 1] [✓ 2] 3

Yb 12/29/22 Analyst/Date

KD
100°C
Hexane Exchange
(2 X 20 mL)

1 2 3 [✓ 4] [✓ 5] 6

AA 1-4-23 Analyst/Date

TurboVap
Pre Cleanups

1 2 3 [✓ 4] 5

DM 1-4-23 Analyst/Date

TurboVap
Post Cleanups

1 2 3 4 [✓ 5]

DM 1-6-23 Analyst/Date

Vialing

DM 1-6-23 Analyst/Date

Reagents Used

Station/Reagent	Standard ID
Microwave Analyst: Yb / CT Date: 12/29/22	
Neutral Glass Wool	K010562
1:1 Hexane/Acetone	K011642
Hexane	K011373
Anhydrous Sodium Sulfate	K011753
KD Analyst: AA Date: 1-4-23	
Anhydrous Sodium Sulfate	NA
Hexane	K011373
Vialing Analyst: DM Date: 1-6-23	
Hexane	K011373
Concentrated Sulfuric Acid	K010364
Silica Gel (SPE) Darts	K011573
Sodium Sulfite	K010363
Tetrabutylammonium ~~hydrogensulfate (TBAS)~~	K011530

Surrogates & Spike Standards Used

Type	Vial ID / Standard ID	Vol uL	Analyst	Witness
Surrogate 2µg/mL	N K011752 Exp Date: 1/23/2023	50µL	CT.	
Spike 20µg/mL	1 K008150 Exp Date: 3/15/2023	63µL	CT	

MANUALLY ENTER EXPIRATION DATES!

(V) indicates a virtual standard combining two or more physical standards. In these cases the Standard ID refers to the virtual standard, not the parent standards.

If a Standard ID is missing, but should be present, check the standard definition in Element LIMS to be sure Standard Info 6 has the correct letter or number designator matching the vial designator inthe Standard ID column. If it is correct, check the batch and bench sheet in Element LIMS to be sure the correct standards are selected for surrogate(s) and spike(s).

Printed: 12/22/2022 1:34:03PM

3099F

Analytical Resources, LLC
Analytical Chemists and Consultants

ORGANICS PREPARATION BENCH SHEET

Batch: BKL0583

Prepared using: EPA 3546 (Microwave)

8082A PCB Solid 4 in Solid (Version:7 Aroclors)

WO Comments

22L0307: <G> BPR Project batch as much as possible </G> <C>BPR SRM, MS, DUP </C> <M>BPR PS, MS/MSD </M> <E>BPR 8270E RM H002055, SIM RM H010158, PCB RM J006840-43, 7935-36, MS/MSD </E>
<H>BPR J006840-43, 7935-36 Dup </H> Store immediately in freezer (except GS)

Prep Instructions

SPECIAL INSTRUCTIONS:
1. Weigh soil/sed into beakers-lightly dry with sodium sulfate.
2. Transfer to microwave vessel(s). Note: (do not fill vessels more than 2/3rd full. Some samples may require two vessels).
3. Add 1:1 Hexane/Acetone until the solvent layer is 3 inches above the soil layer after homogenization.
4. Add surr/spike.
5. Microwave on appropriate power setting determined by # of samples.
6. After microwave-Re-homogenize while hot then cool vessels in R-05 15 minutes. Re-homogenize while cool.
7. Decant 1:1 Hex/Ace into Erlenmeyer flask with sodium sulfate in bottom and funnel with neutral glasswool plug.
8. Re-homogenize and rinse with 1:1 Hexane/Acetone.
9. Let cool and decant solvent then empty the soil into the funnel and rinse with Hexane.
10. KD on 100° bath.
11. Exchange (2 X with 20mL) Hexane.
12. TurboVap.
13. Clean-ups.
14. TurboVap.
15. Vial with Hexane.

A. Need Total Solids Y [✓ N]

B. Archive/Freeze [✓ Y] / N

Analytical Resources,
Incorporated
Analytical Chemists and
Consultants

Organic Extractions Laboratory
Analyst Notes

Extraction Parameter: PCB   Extraction Batch BKL0580

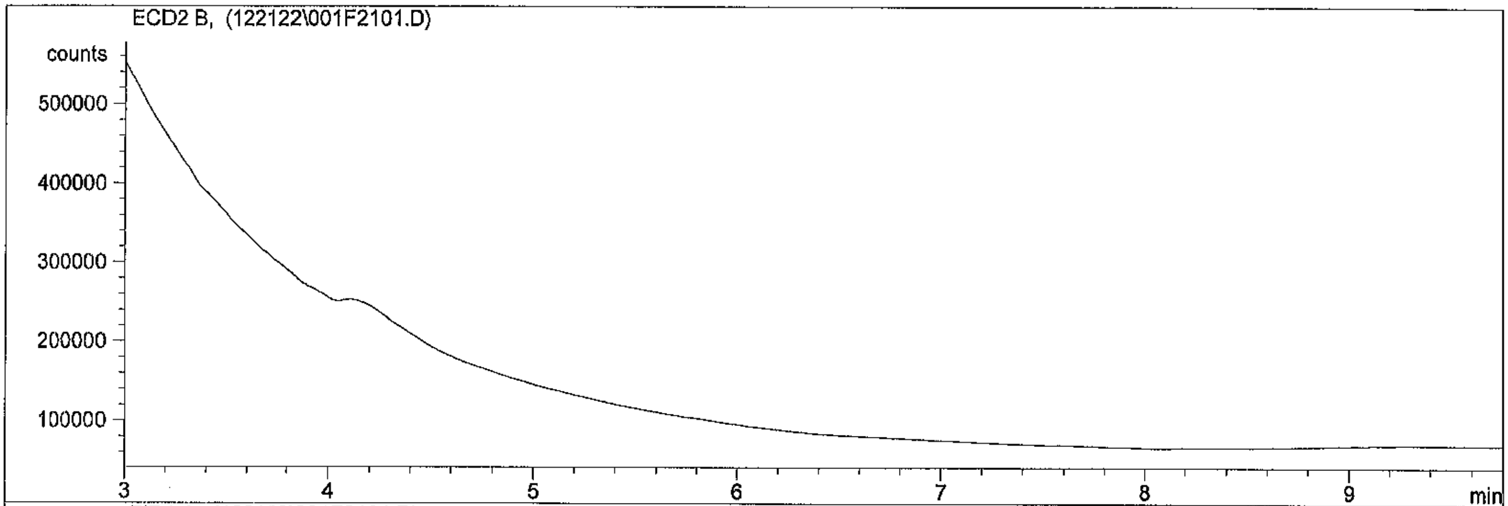
Total Solids Batch: BKL0484   Work Order(s): 22L0307 41-60

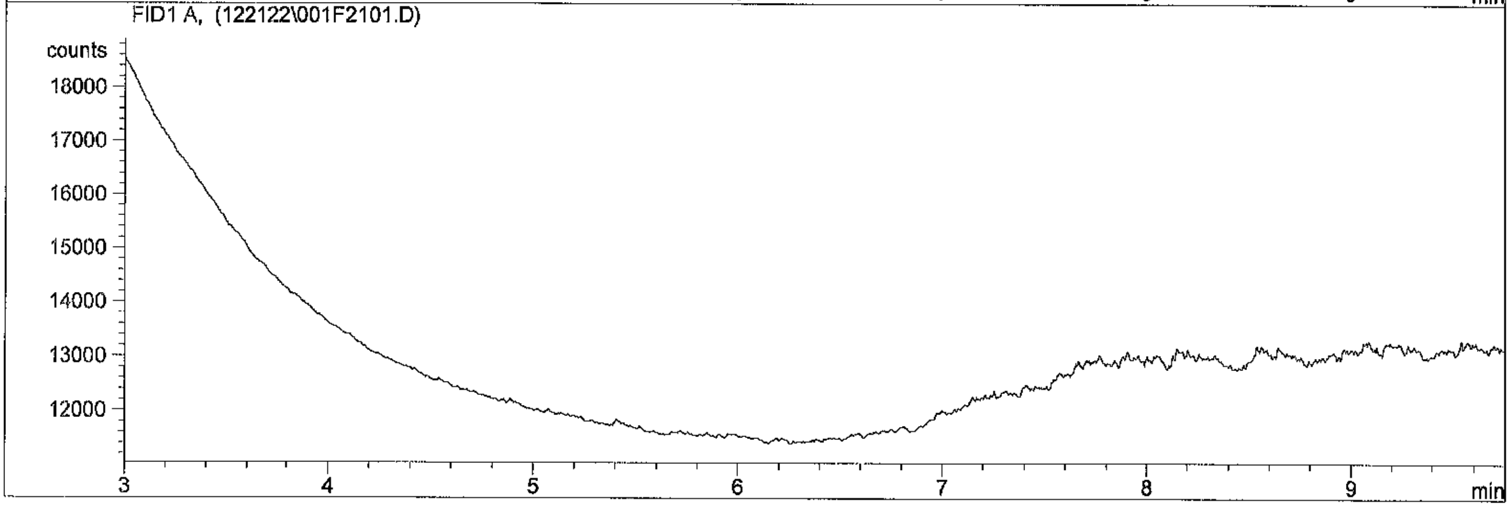
Screens: Soil/Sediment/Solid/Other:	Analyst/Date
☒ No Anomalies (standard soil/wet sediment/sand/gravel)= 41-51, 54-60	CR 12/21/22
☒ Standing Water Decanted (Not shared)= 41, 43-47, 50-54	CR 12/21/22
☐ Standing Water Homogenized (Shared samples)=	
☐ Clay/Clumps (Difficult to homogenize)=	
☐ Rocks (%+size)?	
☐ Organics (Leaves/sticks/grass)=	
☒ [✓ Oily], obvious fuel/sulfur odors= 52, 53	CR 12/21/22
☐ Received in 32oz jar(s)=Homogenized in Pyrex dish=	
☒ Previously Frozen = 41-60	CR 12/21/22
☐ Other (Details)=	
Aqueous:	
☐ No Anomalies	
☐ Turbid/Color=	
☐ Particulates(%)=(Note: >5%=Notify Supervisor/Lead)	
☐ Emulsions (%)=	
☐ Oily, obvious fuel/sulfur odors=	
☐ Other (Details)=	
☐ Received in 1.0L Bottle(s)=No Bottle Rinse=	
☐ Other Notes/Comments= (Note problems, concerns, corrective actions).	
☒ Share Samples Y / [✓ N]	CR 12/21/22
☒ Multiple Jars Y / [✓ N]	CR 12/21/22
☐ Sample Pre-Screens indicate analyte activity=	
☐ Sample weights/volumes reduced based on Pre-Screen=	

3056F

Revision 15
07/01/19

```
Data File C:\HPCHEM\1\DATA\122122\001F2101.D                    Sample Name: DCM RINSE
    =================================================================
    Injection Date  : 12/22/2022 12:06:27 AM         Seq. Line :  21
    Sample Name     : DCM RINSE                       Location : Vial 1
    Acq. Operator   : CR                                   Inj :   1
                                                   Inj Volume : 1 µl
    Sequence File   : C:\HPCHEM\1\SEQUENCE\122122.S
    Method          : C:\HPCHEM\1\METHODS\SCREEN.M
    Last changed    : 7/9/2021 3:37:33 AM by TW
    SCREEN METHOD
    =================================================================
```



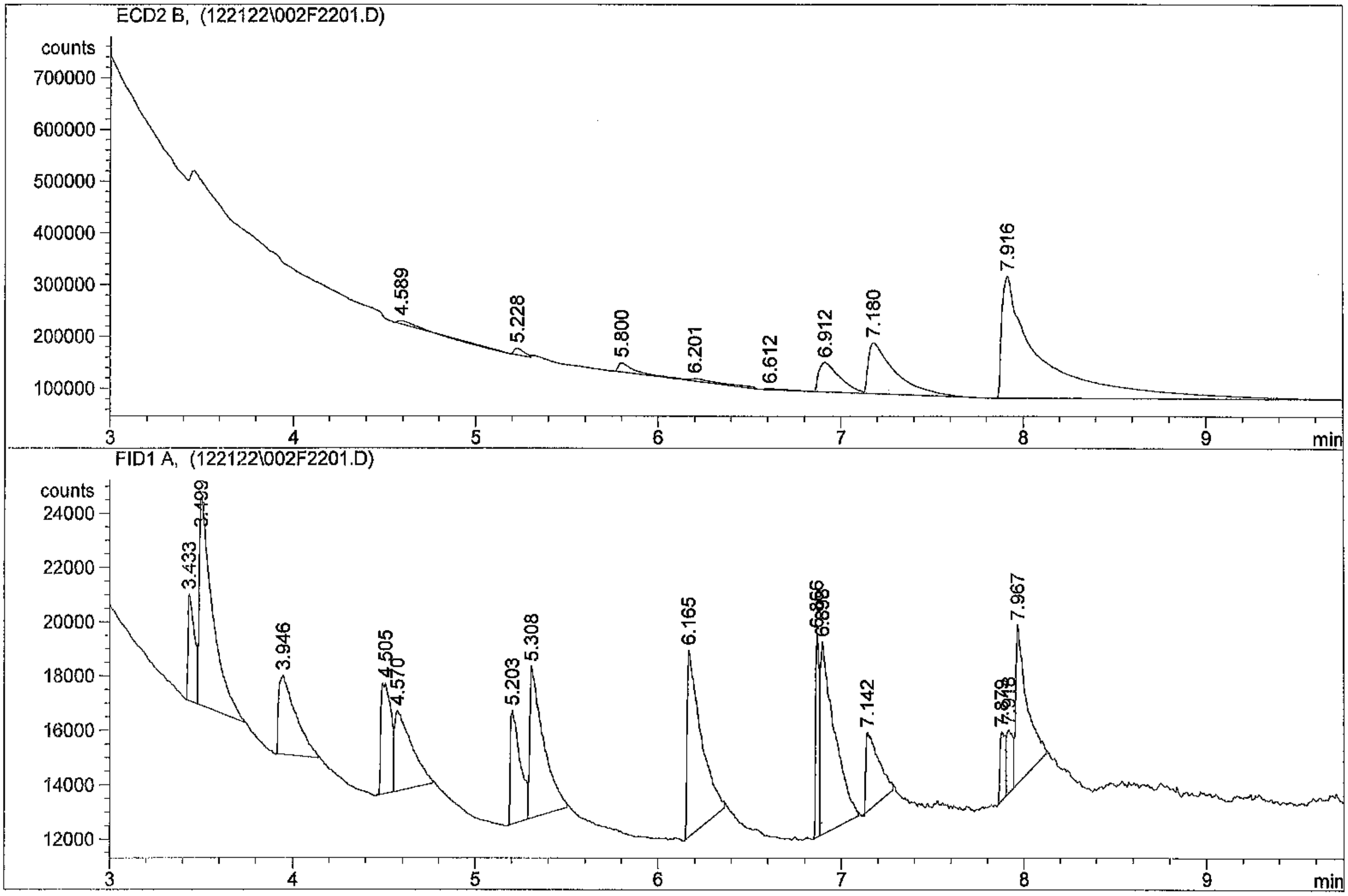


*** End of Report ***

Data File C:\HPCHEM\1\DATA\122122\002F2201.D   Sample Name: PNA STD 10PPM

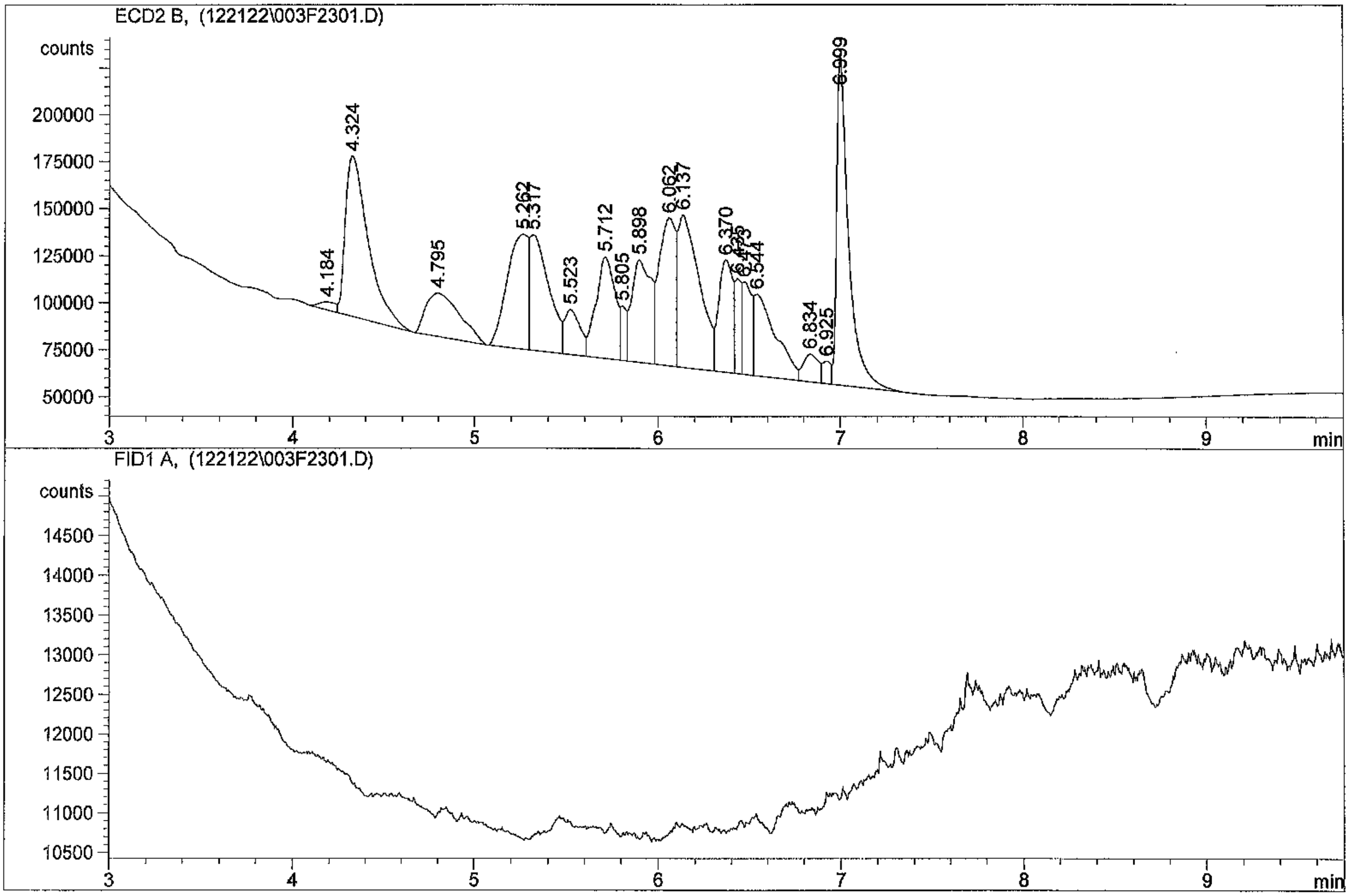
Injection Date : 12/22/2022 12:20:01 AM   Seq. Line : 22
Sample Name : PNA STD 10PPM   Location : Vial 2
Acq. Operator : CR   Inj : 1
Inj Volume : 1 µl

Sequence File : C:\HPCHEM\1\SEQUENCE\122122.S
Method : C:\HPCHEM\1\METHODS\SCREEN.M
Last changed : 7/9/2021 3:37:33 AM by TW
SCREEN METHOD



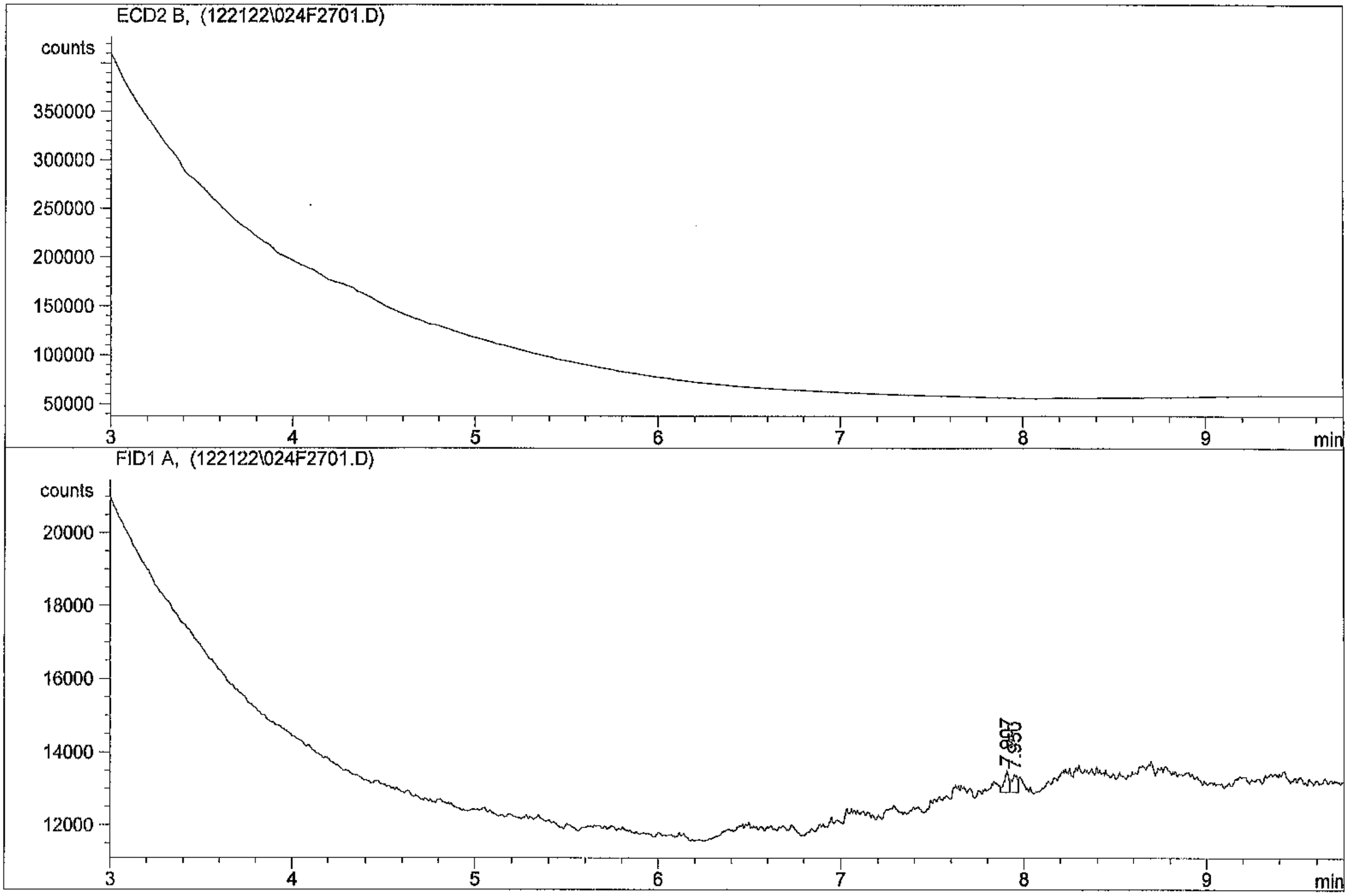
*** End of Report ***

```
Data File C:\HPCHEM\1\DATA\122122\003F2301.D                          Sample Name: AR1660 1PPM
    ===================================================================
    Injection Date  : 12/22/2022 12:33:31 AM          Seq. Line :  23
    Sample Name     : AR1660 1PPM                      Location : Vial 3
    Acq. Operator   : CR                                    Inj :   1
                                                     Inj Volume : 1 µl
    Sequence File   : C:\HPCHEM\1\SEQUENCE\122122.S
    Method          : C:\HPCHEM\1\METHODS\SCREEN.M
    Last changed    : 7/9/2021 3:37:33 AM by TW
    SCREEN METHOD
    ===================================================================
```



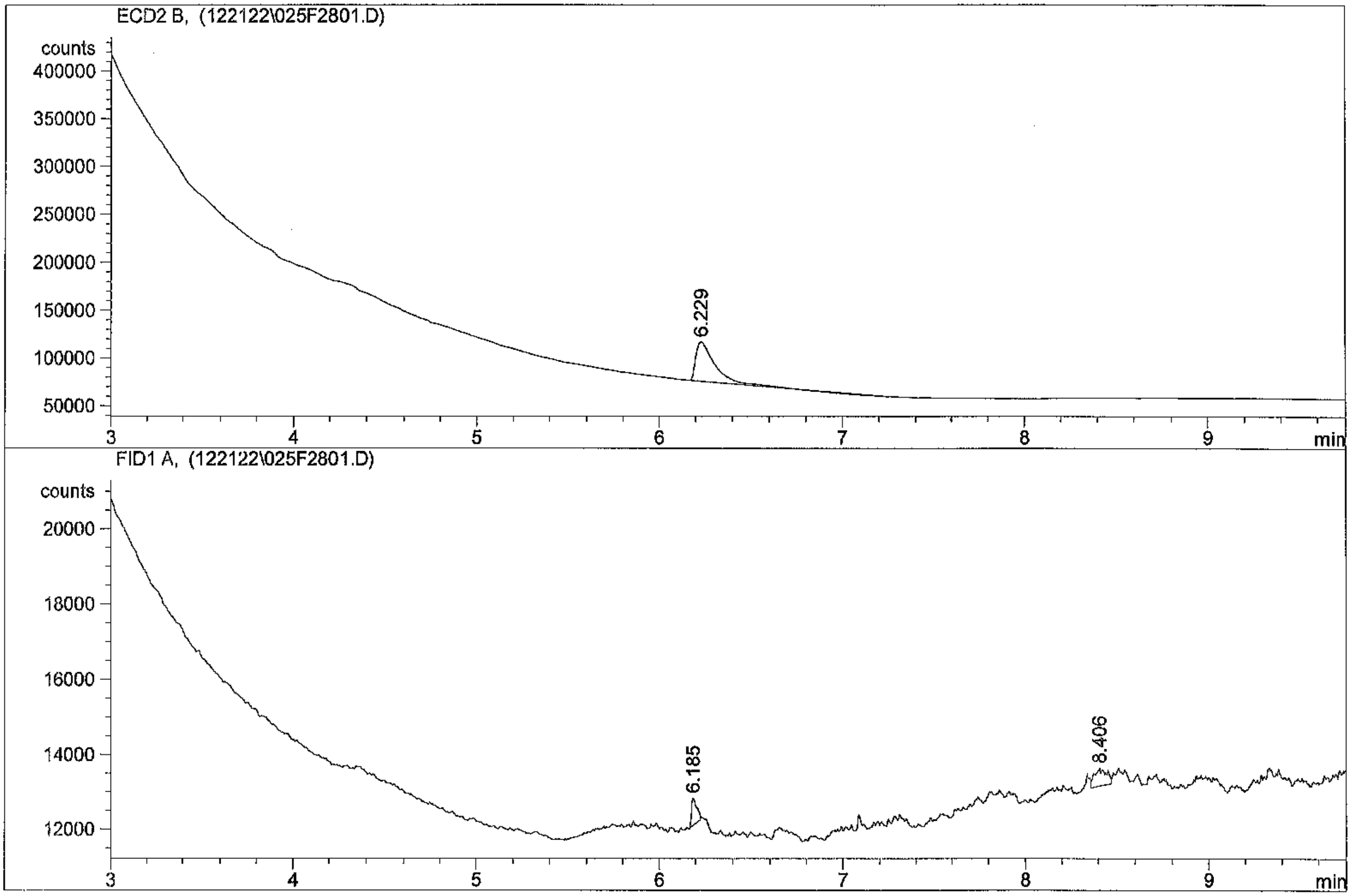
*** End of Report ***

```
=====================================================================
Injection Date  : 12/22/2022 1:27:57 AM          Seq. Line :  27
Sample Name     : 22L0307 41                      Location : Vial 24
Acq. Operator   : CR                                   Inj :  1
                                                Inj Volume : 1 µl
Sequence File   : C:\HPCHEM\1\SEQUENCE\122122.S
Method          : C:\HPCHEM\1\METHODS\SCREEN.M
Last changed    : 7/9/2021 3:37:33 AM by TW
SCREEN METHOD
=====================================================================
```



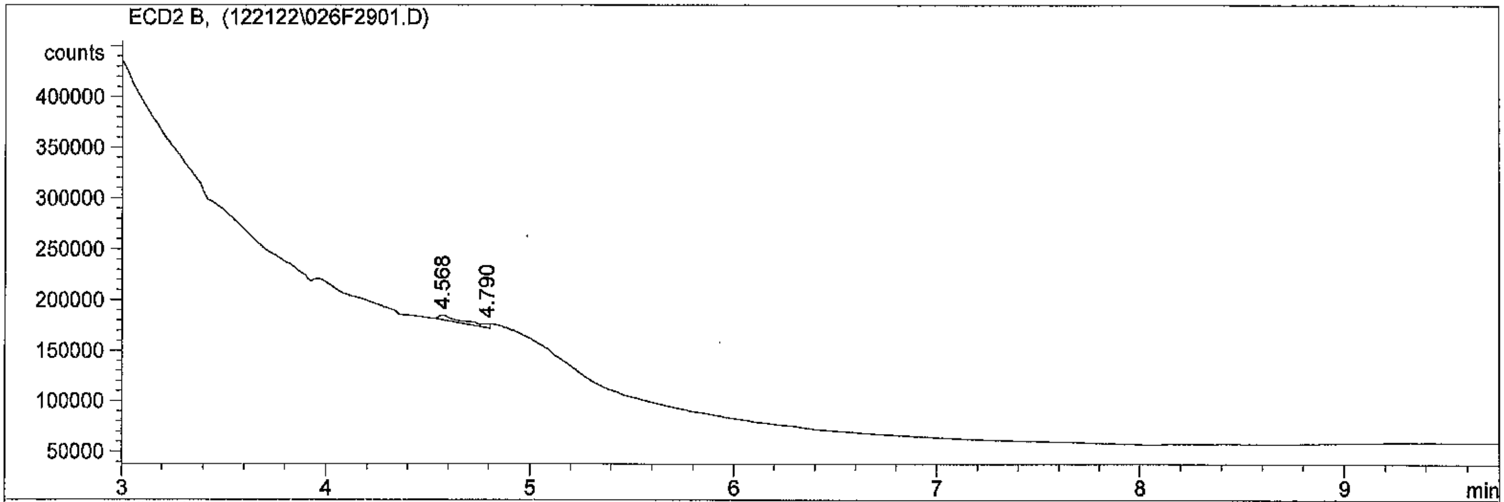
*** End of Report ***

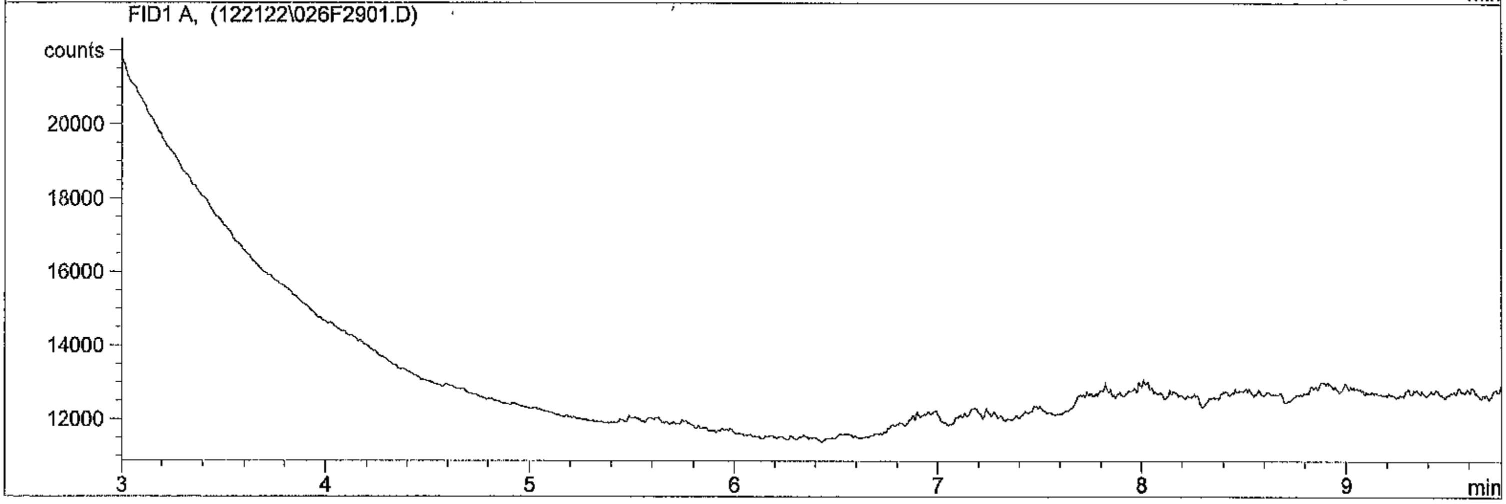
```
Data File C:\HPCHEM\1\DATA\122122\025F2801.D                          Sample Name: 22L0307 42
    ==================================================================
    Injection Date  : 12/22/2022 1:41:35 AM           Seq. Line :  28
    Sample Name     : 22L0307 42                       Location : Vial 25
    Acq. Operator   : CR                                    Inj :  1
                                                     Inj Volume : 1 µl
    Sequence File   : C:\HPCHEM\1\SEQUENCE\122122.S
    Method          : C:\HPCHEM\1\METHODS\SCREEN.M
    Last changed    : 7/9/2021 3:37:33 AM by TW
    SCREEN METHOD
    ==================================================================
```



*** End of Report ***

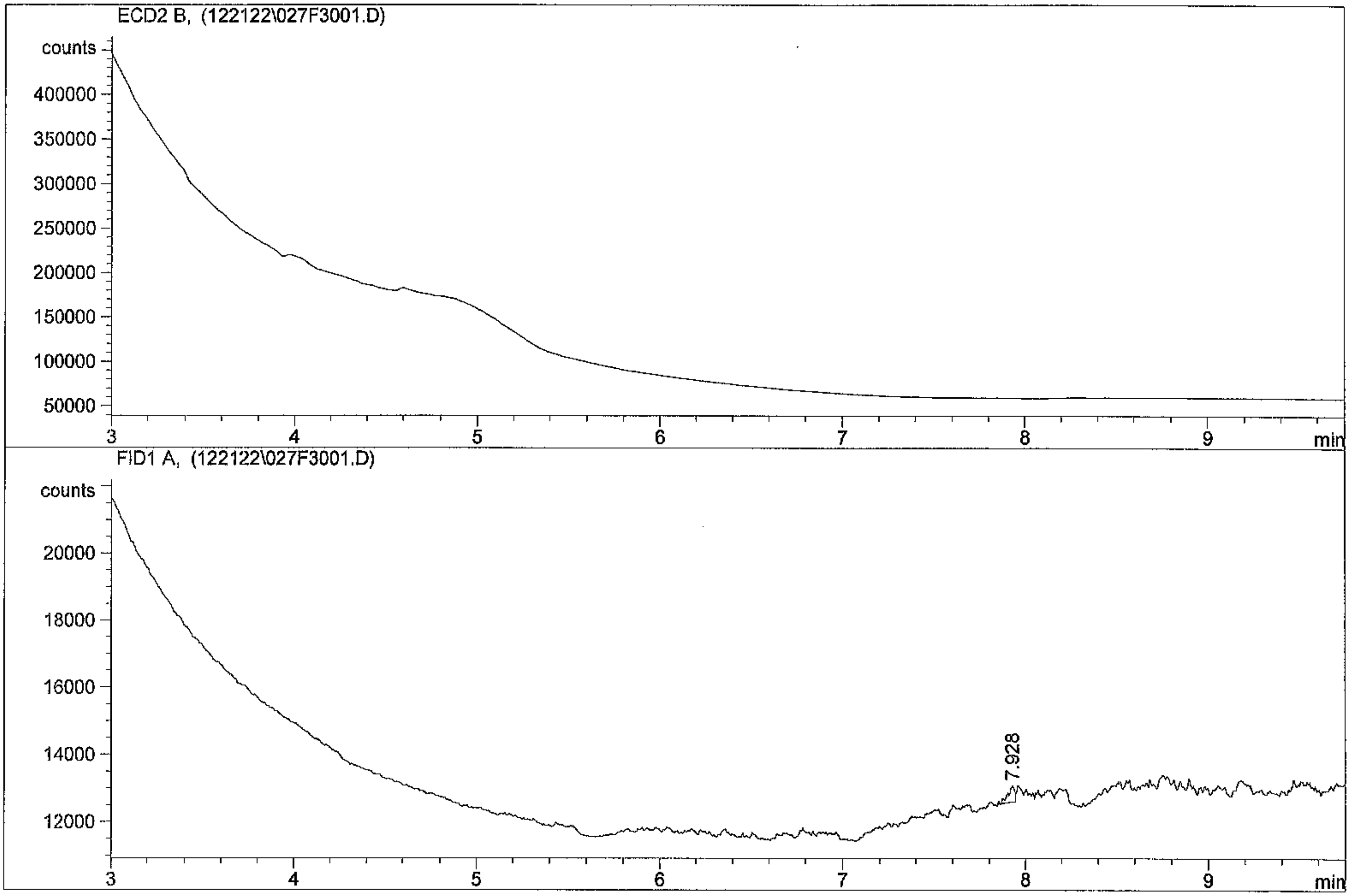
```
=====================================================================
Injection Date   : 12/22/2022 1:54:59 AM          Seq. Line :  29
Sample Name      : 22L0307 43                      Location : Vial 26
Acq. Operator    : CR                                   Inj :   1
                                                 Inj Volume : 1 µl
Sequence File    : C:\HPCHEM\1\SEQUENCE\122122.S
Method           : C:\HPCHEM\1\METHODS\SCREEN.M
Last changed     : 7/9/2021 3:37:33 AM by TW
SCREEN METHOD
=====================================================================
```





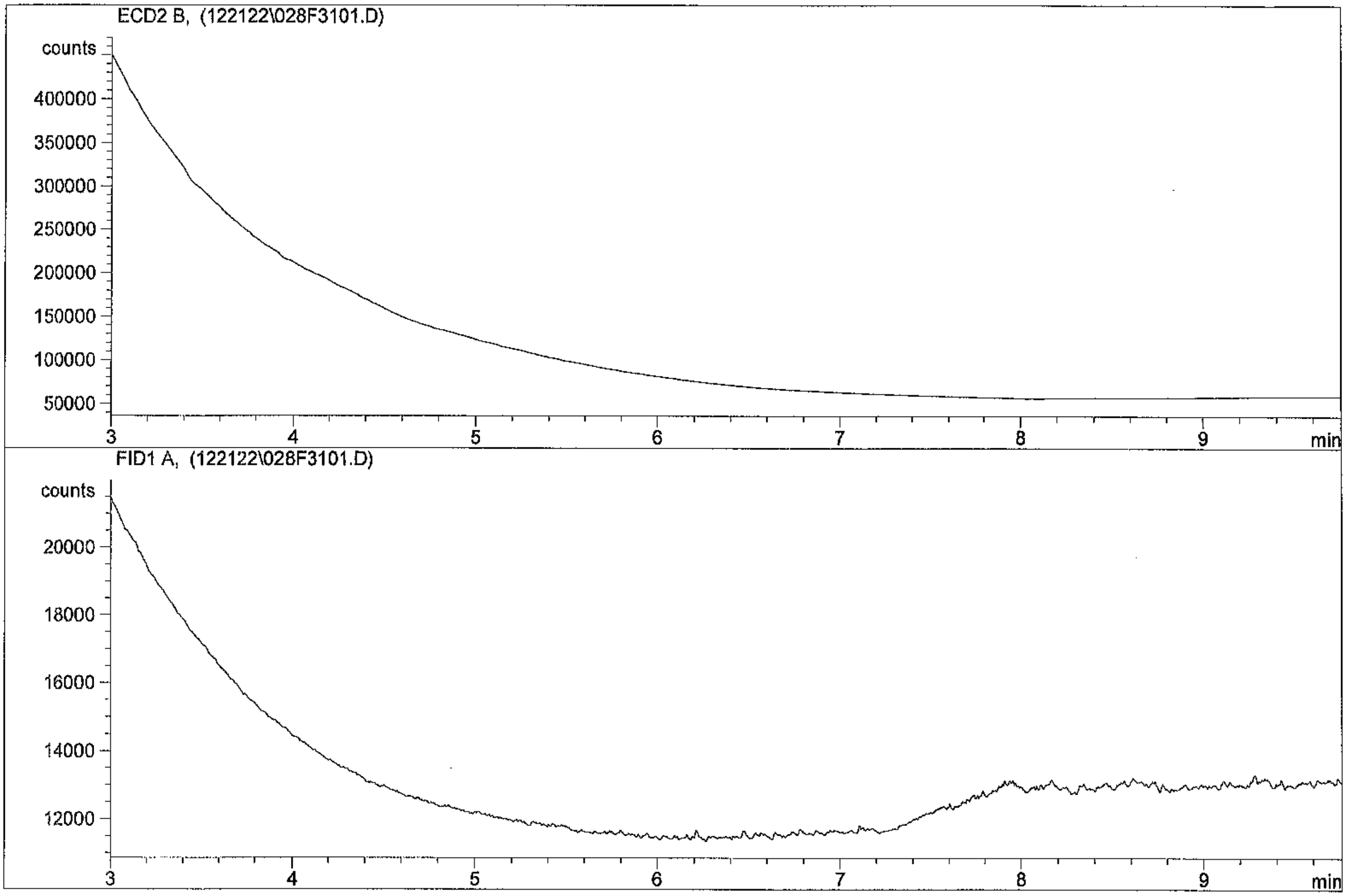
*** End of Report ***

```
Data File C:\HPCHEM\1\DATA\122122\027F3001.D                       Sample Name: 22L0307 44
    =====================================================================
    Injection Date  : 12/22/2022 2:08:37 AM          Seq. Line :  30
    Sample Name     : 22L0307 44                      Location : Vial 27
    Acq. Operator   : CR                                   Inj :   1
                                                    Inj Volume : 1 µl
    Sequence File   : C:\HPCHEM\1\SEQUENCE\122122.S
    Method          : C:\HPCHEM\1\METHODS\SCREEN.M
    Last changed    : 7/9/2021 3:37:33 AM by TW
    SCREEN METHOD
    =====================================================================
```



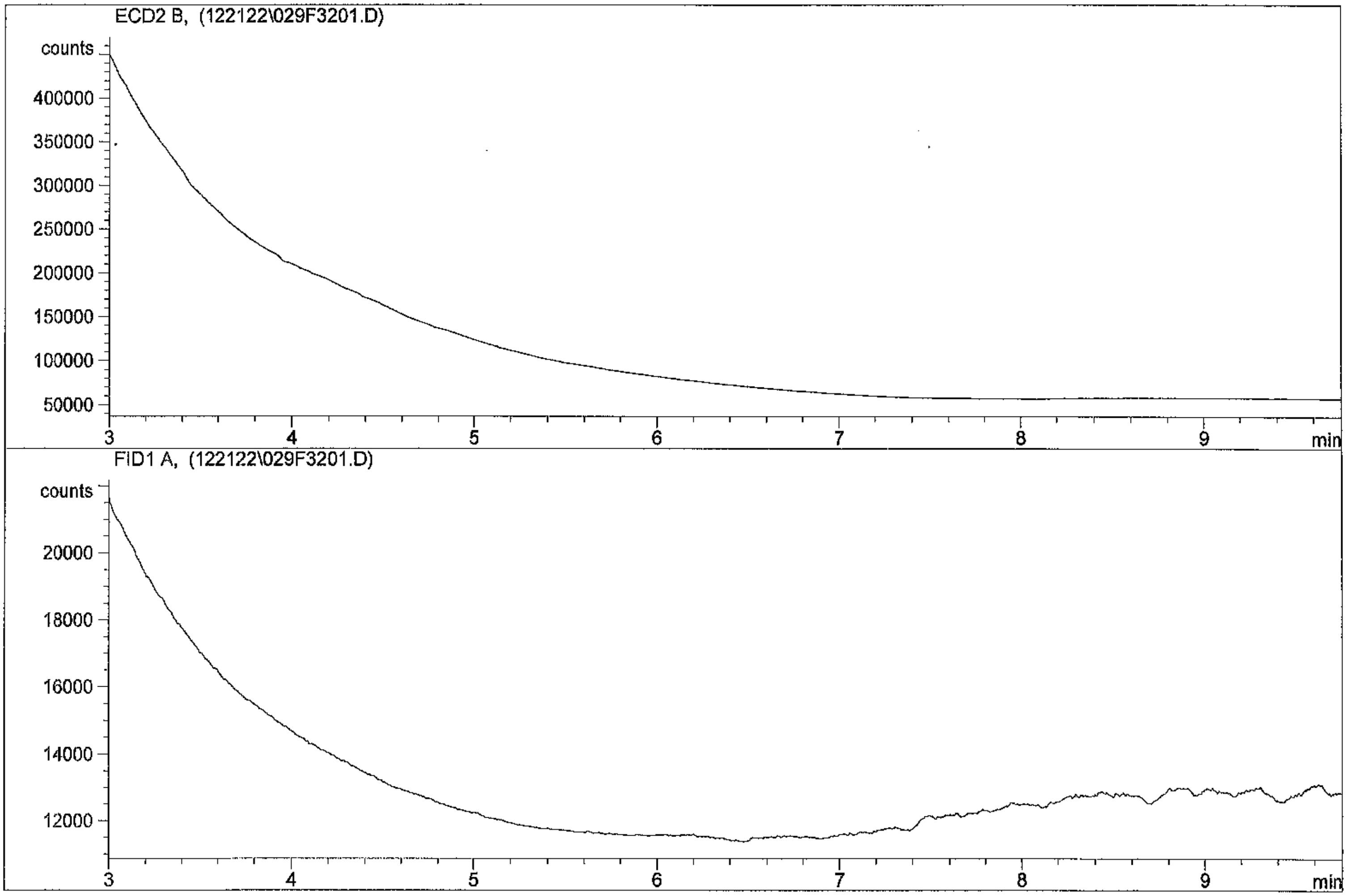
*** End of Report ***

```
Data File C:\HPCHEM\1\DATA\122122\028F3101.D                    Sample Name: 22L0307 45
     =====================================================================
     Injection Date  : 12/22/2022 2:22:09 AM          Seq. Line :  31
     Sample Name     : 22L0307 45                      Location : Vial 28
     Acq. Operator   : CR                                   Inj :   1
                                                    Inj Volume : 1 µl
     Sequence File   : C:\HPCHEM\1\SEQUENCE\122122.S
     Method          : C:\HPCHEM\1\METHODS\SCREEN.M
     Last changed    : 7/9/2021 3:37:33 AM by TW
     SCREEN METHOD
     =====================================================================
```



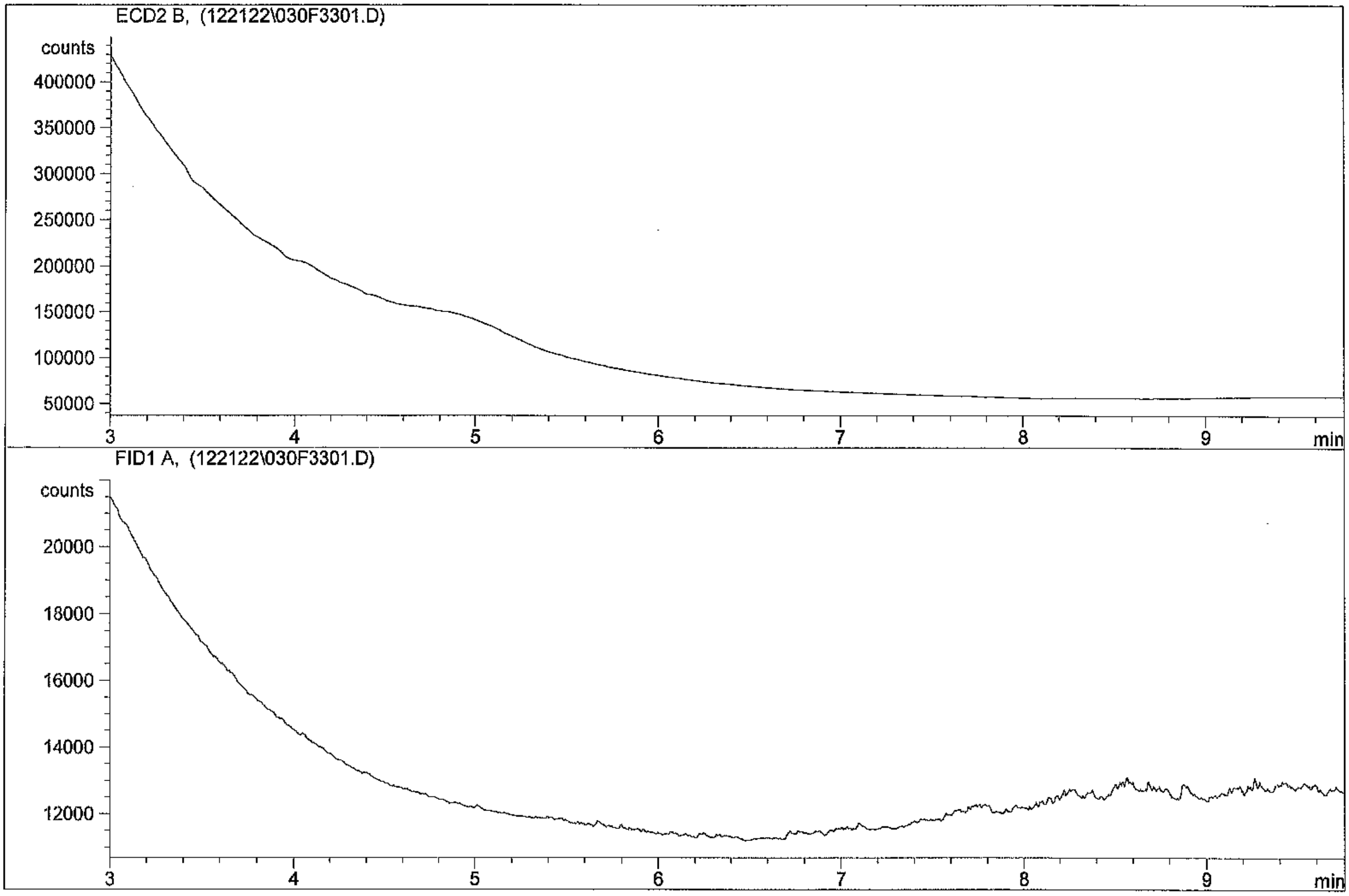
```
*** End of Report ***
```

```
=====================================================================
Injection Date  : 12/22/2022 2:35:51 AM          Seq. Line :  32
Sample Name     : 22L0307 46                      Location : Vial 29
Acq. Operator   : CR                                   Inj :   1
                                                Inj Volume : 1 µl
Sequence File   : C:\HPCHEM\1\SEQUENCE\122122.S
Method          : C:\HPCHEM\1\METHODS\SCREEN.M
Last changed    : 7/9/2021 3:37:33 AM by TW
SCREEN METHOD
=====================================================================
```



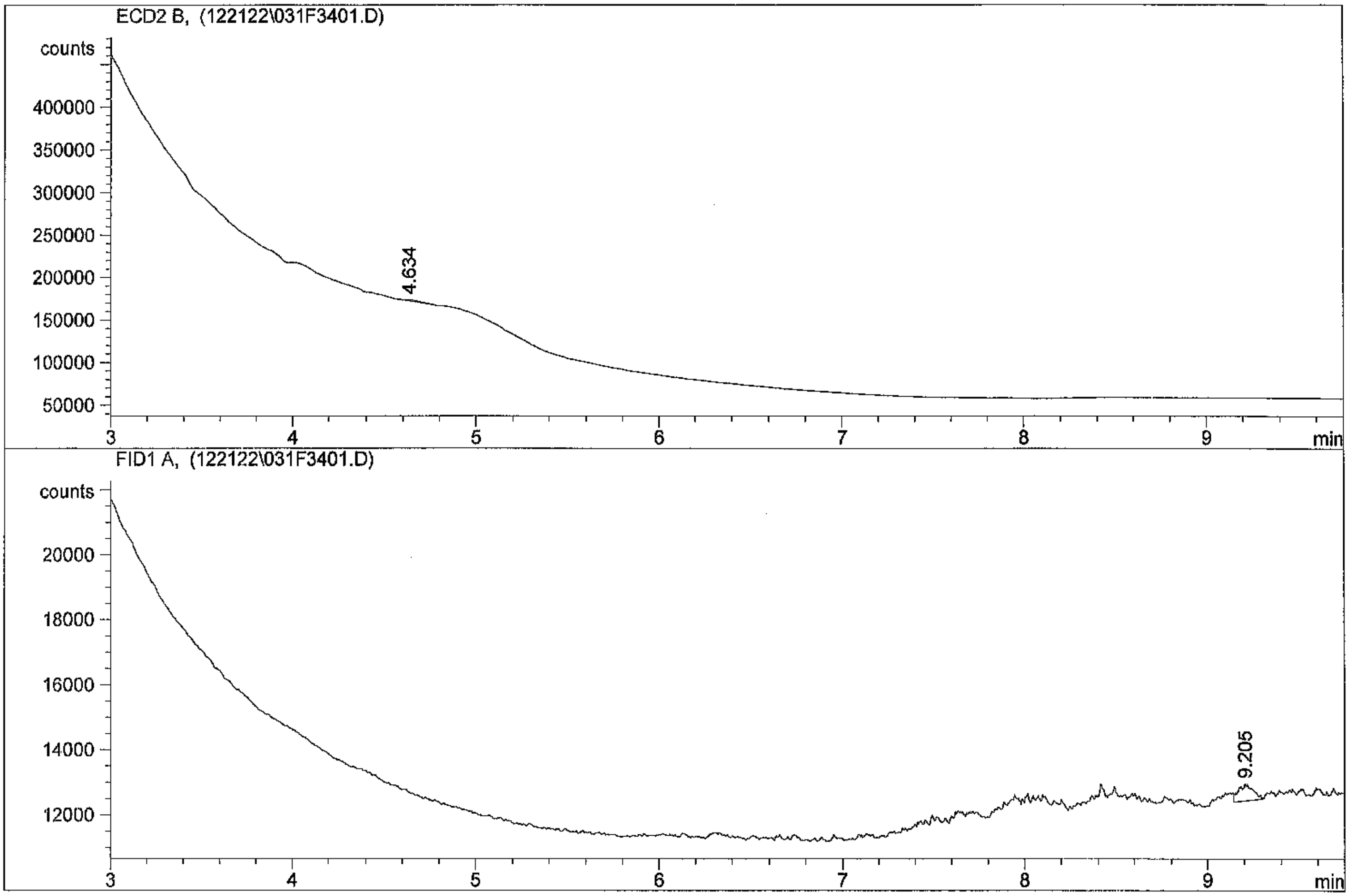
*** End of Report ***

```
Data File C:\HPCHEM\1\DATA\122122\030F3301.D                    Sample Name: 22L0307 47
     =====================================================================
     Injection Date  : 12/22/2022 2:49:16 AM            Seq. Line :  33
     Sample Name     : 22L0307 47                        Location : Vial 30
     Acq. Operator   : CR                                     Inj :   1
                                                      Inj Volume : 1 µl
     Sequence File   : C:\HPCHEM\1\SEQUENCE\122122.S
     Method          : C:\HPCHEM\1\METHODS\SCREEN.M
     Last changed    : 7/9/2021 3:37:33 AM by TW
     SCREEN METHOD
     =====================================================================
```



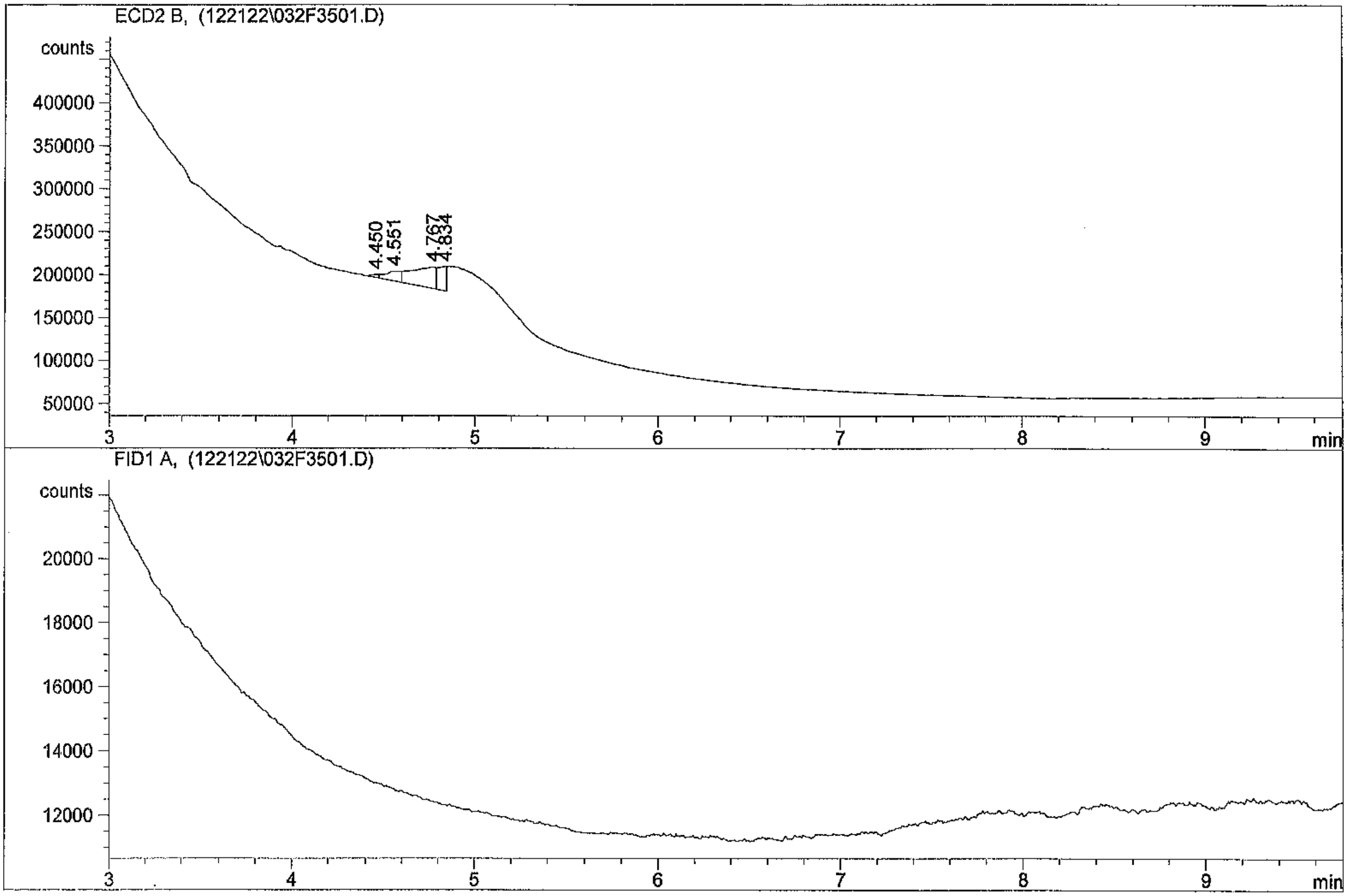
*** End of Report ***

```
Data File C:\HPCHEM\1\DATA\122122\031F3401.D                             Sample Name: 22L0307 48
    ===================================================================
    Injection Date  : 12/22/2022 3:02:55 AM          Seq. Line :  34
    Sample Name     : 22L0307 48                      Location : Vial 31
    Acq. Operator   : CR                                   Inj :   1
                                                    Inj Volume : 1 µl
    Sequence File   : C:\HPCHEM\1\SEQUENCE\122122.S
    Method          : C:\HPCHEM\1\METHODS\SCREEN.M
    Last changed    : 7/9/2021 3:37:33 AM by TW
    SCREEN METHOD
    ===================================================================
```



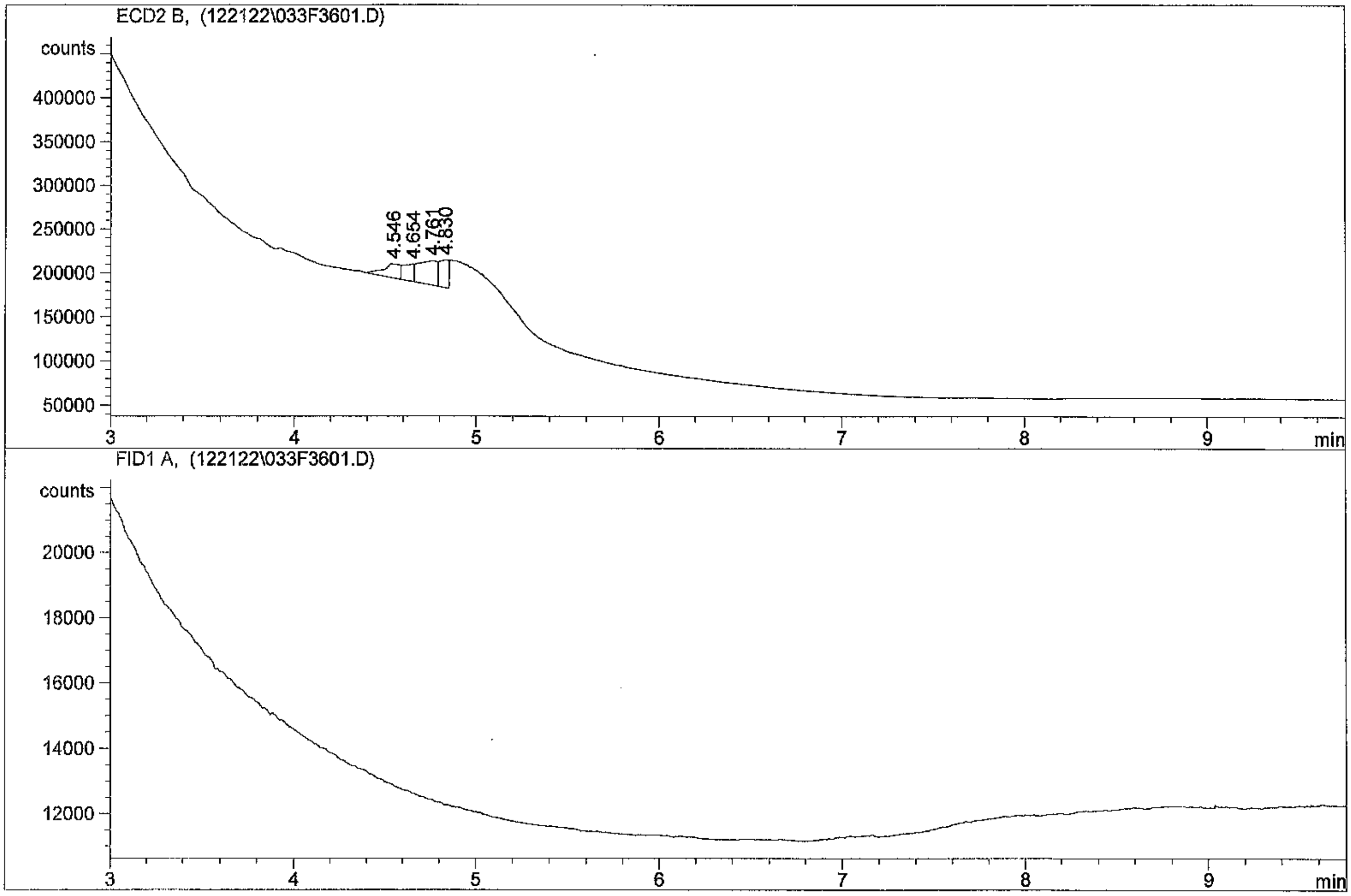
*** End of Report ***

```
=====================================================================
Injection Date  : 12/22/2022 3:16:28 AM        Seq. Line :  35
Sample Name     : 22L0307 49                    Location : Vial 32
Acq. Operator   : CR                                 Inj :   1
                                            Inj Volume : 1 µl
Sequence File   : C:\HPCHEM\1\SEQUENCE\122122.S
Method          : C:\HPCHEM\1\METHODS\SCREEN.M
Last changed    : 7/9/2021 3:37:33 AM by TW
SCREEN METHOD
=====================================================================
```



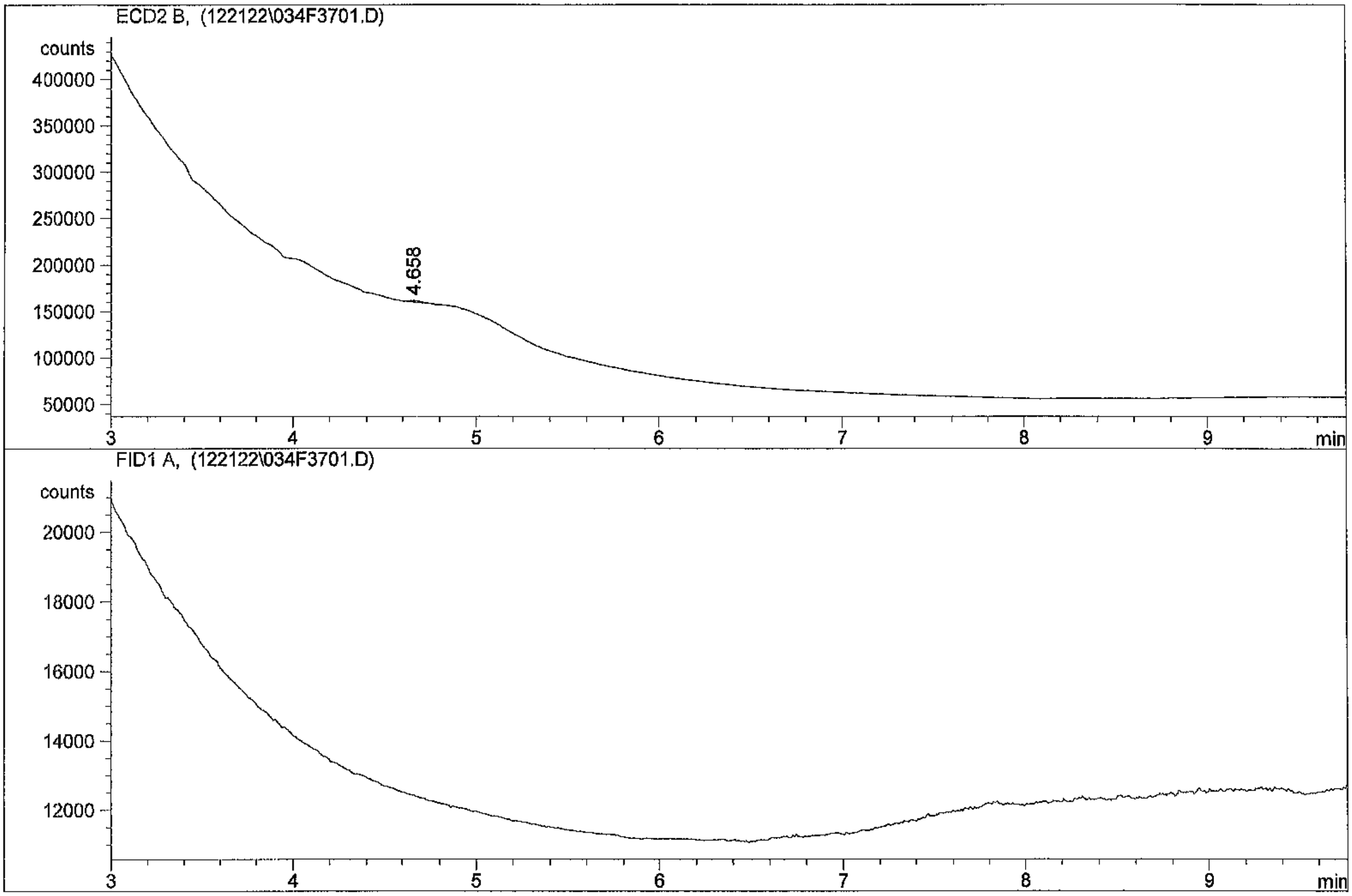
*** End of Report ***

```
=====================================================================
Injection Date  : 12/22/2022 3:30:07 AM          Seq. Line :  36
Sample Name     : 22L0307 50                      Location : Vial 33
Acq. Operator   : CR                                   Inj :   1
                                               Inj Volume : 1 µl
Sequence File   : C:\HPCHEM\1\SEQUENCE\122122.S
Method          : C:\HPCHEM\1\METHODS\SCREEN.M
Last changed    : 7/9/2021 3:37:33 AM by TW
SCREEN METHOD
=====================================================================
```



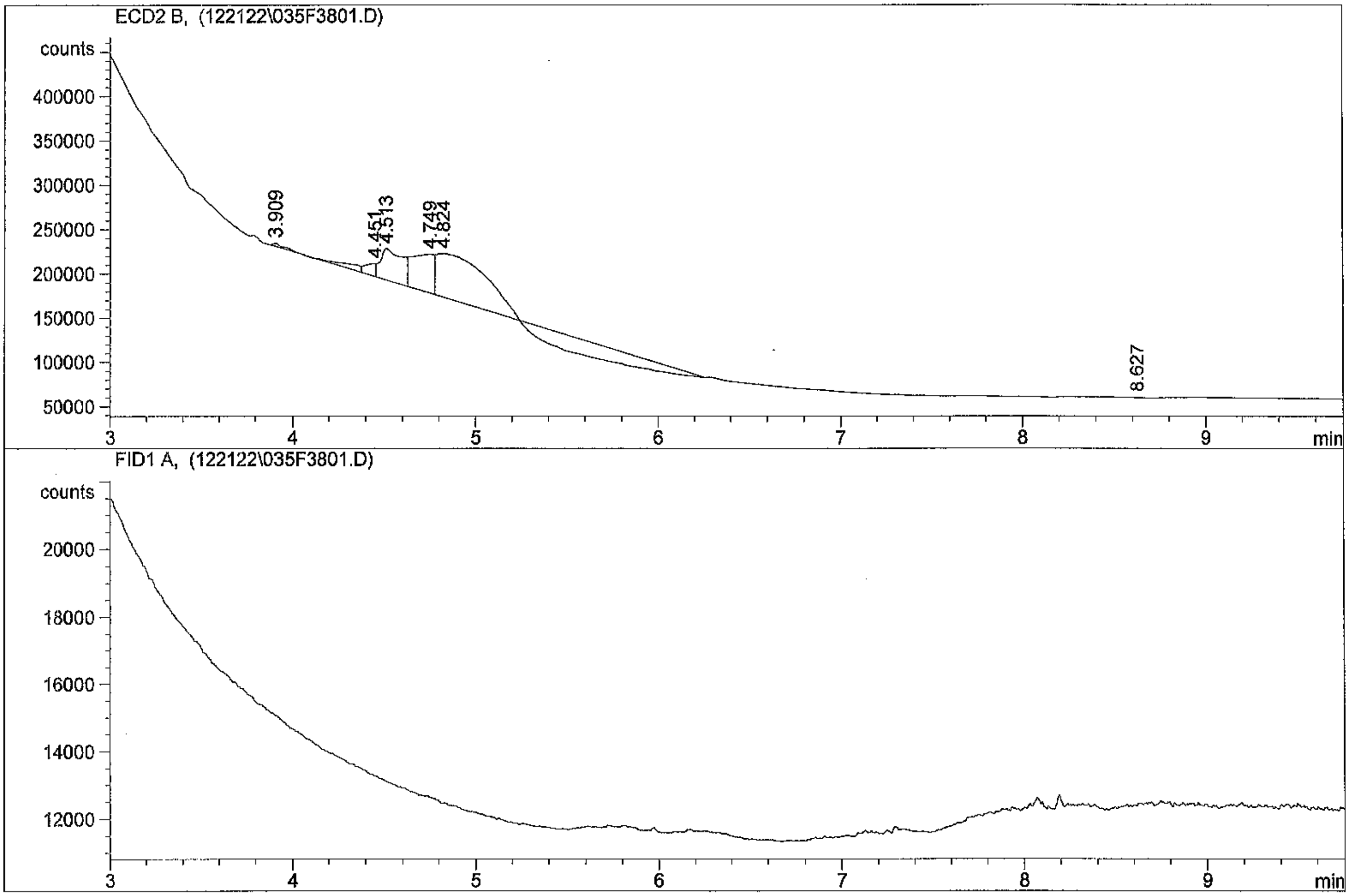
*** End of Report ***

```
=====================================================================
Injection Date  : 12/22/2022 3:43:37 AM          Seq. Line :  37
Sample Name     : 22L0307 51                      Location : Vial 34
Acq. Operator   : CR                                   Inj :  1
                                                Inj Volume : 1 µl
Sequence File   : C:\HPCHEM\1\SEQUENCE\122122.S
Method          : C:\HPCHEM\1\METHODS\SCREEN.M
Last changed    : 7/9/2021 3:37:33 AM by TW
SCREEN METHOD
=====================================================================
```



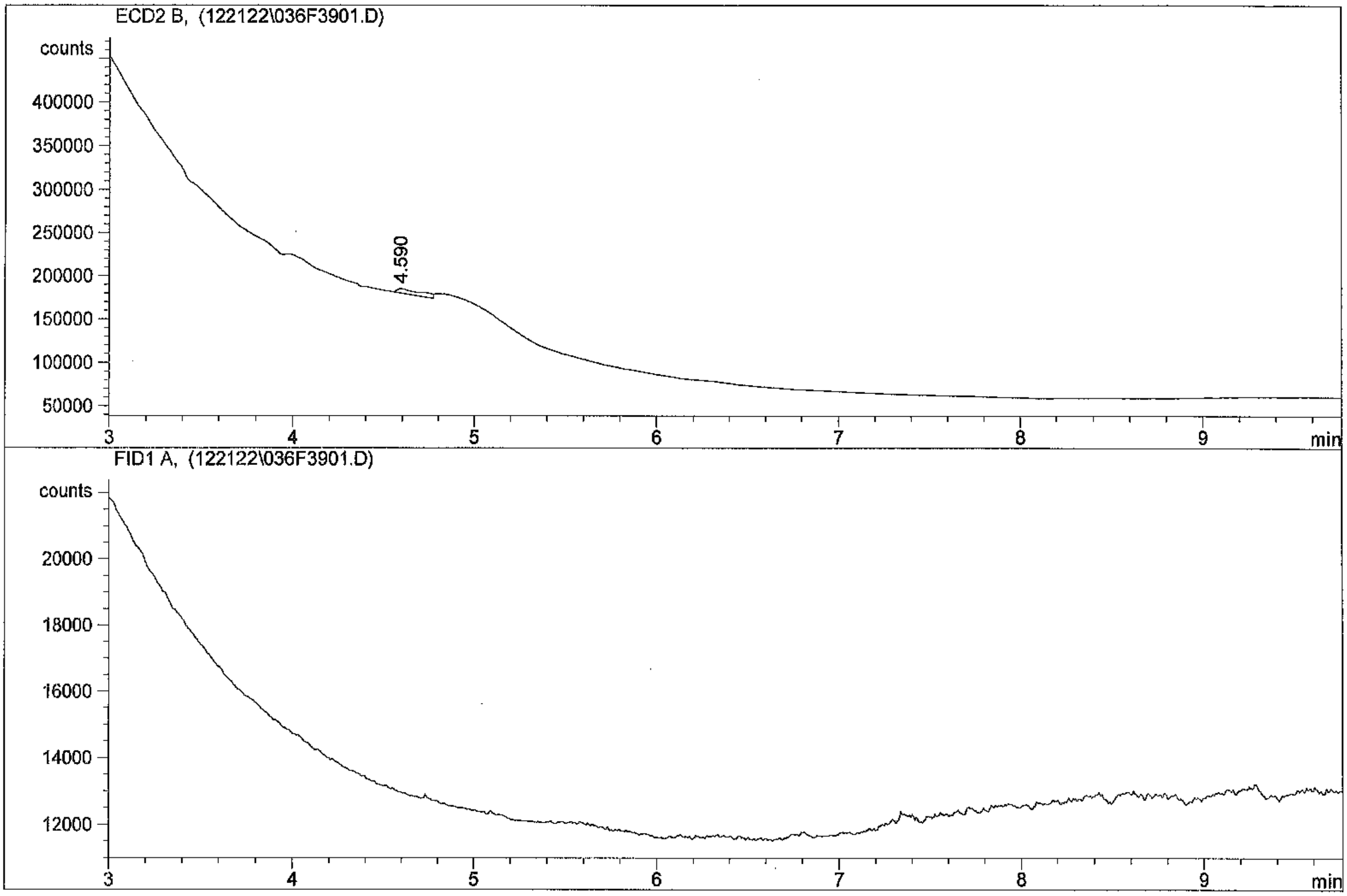
*** End of Report ***

```
==========================================================================
Injection Date   : 12/22/2022 3:57:17 AM          Seq. Line :  38
Sample Name      : 22L0307 52                       Location : Vial 35
Acq. Operator    : CR                                    Inj :   1
                                                  Inj Volume : 1 µl
Sequence File    : C:\HPCHEM\1\SEQUENCE\122122.S
Method           : C:\HPCHEM\1\METHODS\SCREEN.M
Last changed     : 7/9/2021 3:37:33 AM by TW
SCREEN METHOD
==========================================================================
```



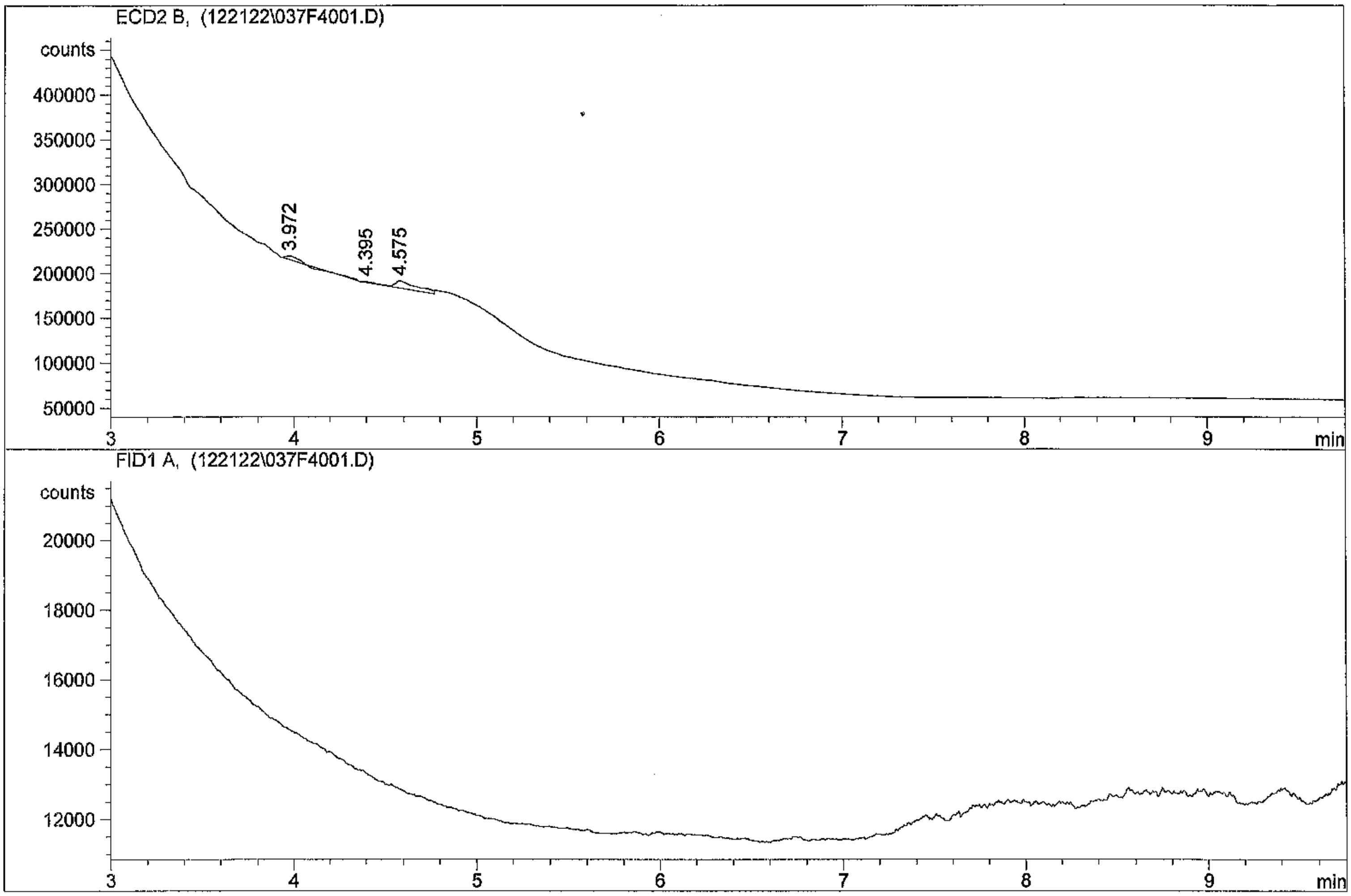
*** End of Report ***

```
=====================================================================
Injection Date  : 12/22/2022 4:10:47 AM          Seq. Line :  39
Sample Name     : 22L0307 53                      Location : Vial 36
Acq. Operator   : CR                                   Inj :   1
                                                Inj Volume : 1 µl
Sequence File   : C:\HPCHEM\1\SEQUENCE\122122.S
Method          : C:\HPCHEM\1\METHODS\SCREEN.M
Last changed    : 7/9/2021 3:37:33 AM by TW
SCREEN METHOD
=====================================================================
```



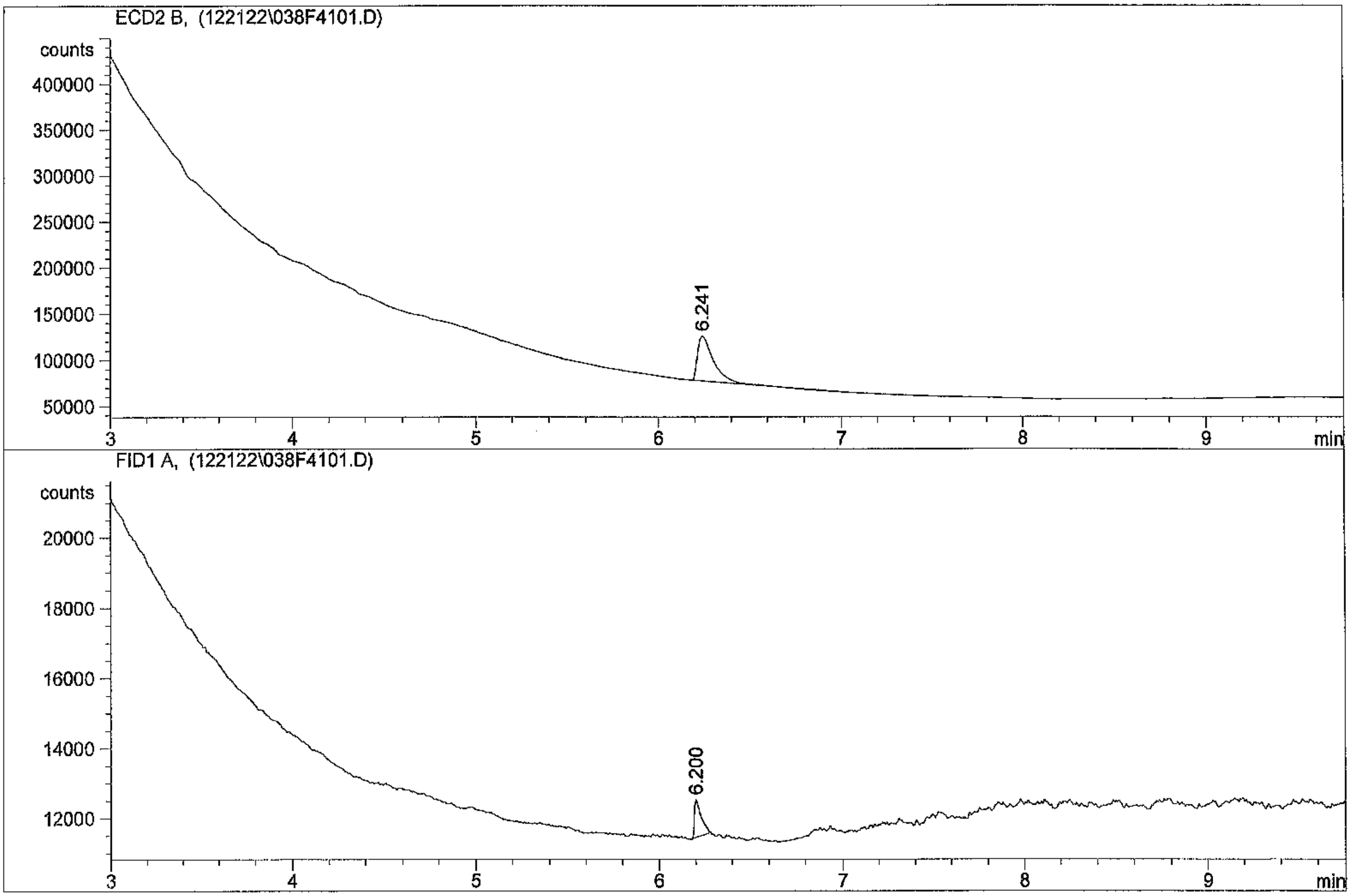
*** End of Report ***

```
=====================================================================
Injection Date  : 12/22/2022 4:24:27 AM         Seq. Line :  40
Sample Name     : 22L0307 54                     Location : Vial 37
Acq. Operator   : CR                                  Inj :   1
                                               Inj Volume : 1 µl
Sequence File   : C:\HPCHEM\1\SEQUENCE\122122.S
Method          : C:\HPCHEM\1\METHODS\SCREEN.M
Last changed    : 7/9/2021 3:37:33 AM by TW
SCREEN METHOD
=====================================================================
```



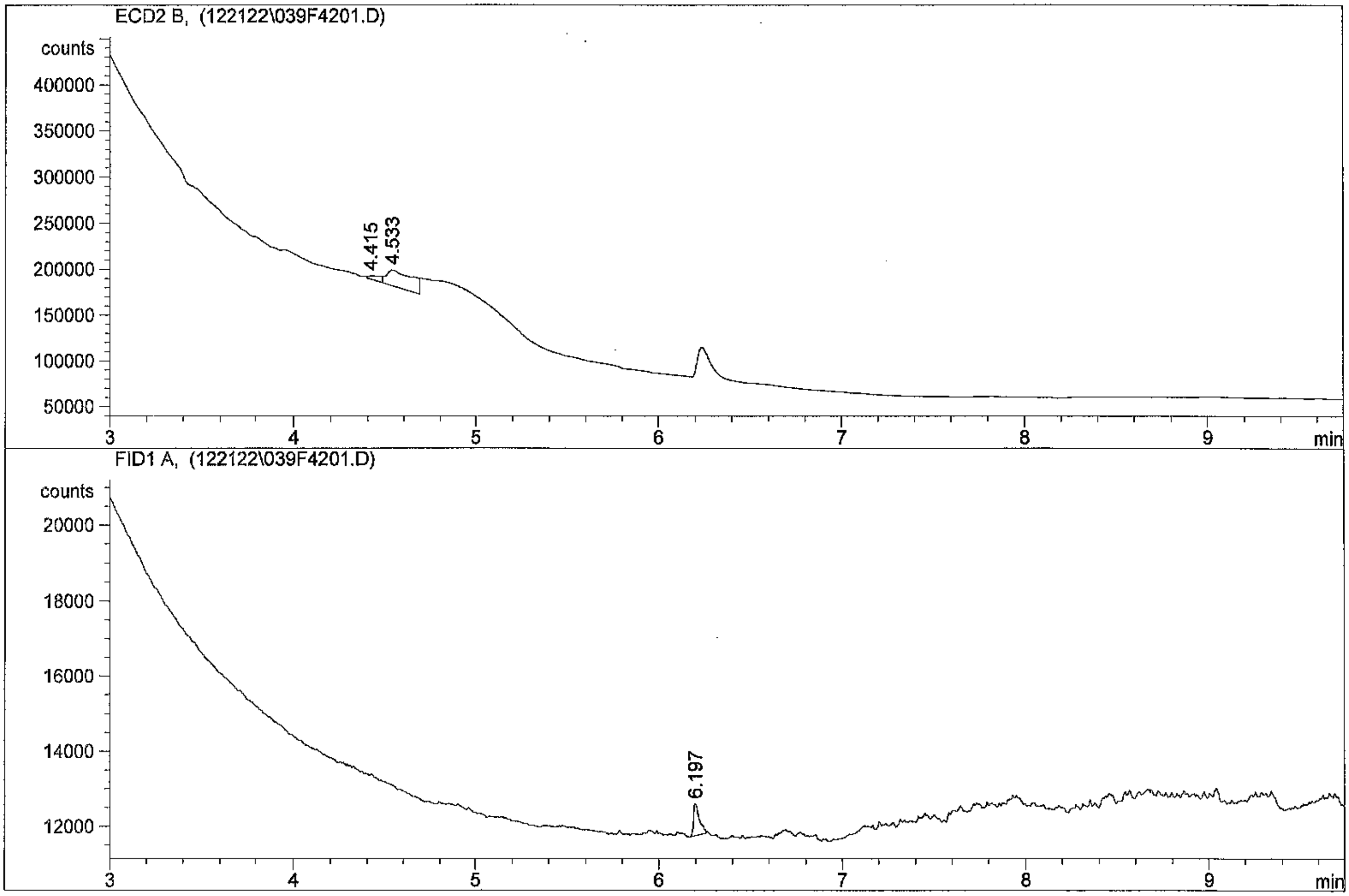
*** End of Report ***

```
Data File C:\HPCHEM\1\DATA\122122\038F4101.D                         Sample Name: 22L0307 55
    =====================================================================
    Injection Date  : 12/22/2022 4:37:57 AM          Seq. Line :  41
    Sample Name     : 22L0307 55                      Location : Vial 38
    Acq. Operator   : CR                                   Inj :   1
                                                   Inj Volume : 1 µl
    Sequence File   : C:\HPCHEM\1\SEQUENCE\122122.S
    Method          : C:\HPCHEM\1\METHODS\SCREEN.M
    Last changed    : 7/9/2021 3:37:33 AM by TW
    SCREEN METHOD
    =====================================================================
```



*** End of Report ***

```
Data File C:\HPCHEM\1\DATA\122122\039F4201.D                         Sample Name: 22L0307 56
    ===================================================================
    Injection Date  : 12/22/2022 4:51:42 AM          Seq. Line :  42
    Sample Name     : 22L0307 56                      Location : Vial 39
    Acq. Operator   : CR                                   Inj :   1
                                                 Inj Volume : 1 µl
    Sequence File   : C:\HPCHEM\1\SEQUENCE\122122.S
    Method          : C:\HPCHEM\1\METHODS\SCREEN.M
    Last changed    : 7/9/2021 3:37:33 AM by TW
    SCREEN METHOD
    ===================================================================
```



*** End of Report ***

PREPARATION BATCH SUMMARY

EPA 8082A

Laboratory: Analytical Resources, LLC

SDG: 22L0307

Client: Anchor QEA, LLC

Project: AOC4 UR Phase 3

Batch: BKL0584

Batch Matrix: Solid

Preparation: EPA 3546 (Microwave)

SAMPLE NAME	LAB SAMPLE ID	LAB FILE ID	DATE PREPARED	OBSERVATIONS
LDW22-SC783C	22L0307-61	01072365ECD7.D	12/29/22 12:24	
LDW22-SC783D	22L0307-62	01112363ECD7.D	12/29/22 12:24	
LDW22-SC783E	22L0307-63	01072367ECD7.D	12/29/22 12:24	
LDW22-SC783F	22L0307-64	01112364ECD7.D	12/29/22 12:24	
LDW22-SC783G	22L0307-65	01072369ECD7.D	12/29/22 12:24	
LDW22-SC783H	22L0307-66	01072370ECD7.D	12/29/22 12:24	
Blank	BKL0584-BLK1	01072360ECD7.D	12/29/22 12:24	
LCS	BKL0584-BS1	01072361ECD7.D	12/29/22 12:24	
LCS Dup	BKL0584-BSD1	01072362ECD7.D	12/29/22 12:24	
MRL Check	BKL0584-MRL1	01072363ECD7.D	12/29/22 12:24	
LDW22-SC783H	BKL0584-MS1	01072371ECD7.D	12/29/22 12:24	
LDW22-SC783H	BKL0584-MSD1	01072372ECD7.D	12/29/22 12:24	
Reference	BKL0584-SRM1	01072364ECD7.D	12/29/22 12:24	

Analytical Resources, LLC
Analytical Chemists and Consultants

ORGANICS PREPARATION BENCH SHEET

Batch: BKL0584

Prepared using: EPA 3546 (Microwave)

8082A PCB Solid 4 in Solid (Version:7 Aroclors)

Matrix: Solid **Date Prepared:** 12/29/22 **Balance ID:** B146462614 **Set Up By:** CTO 12/22/22

WO Comments

22L0307: <G> BPR Project batch as much as possible </G> <C>BPR SRM, MS, DUP </C> <M>BPR PS, MS/MSD </M> <E>BPR 8270E RM H002055, SIM RM H010158, PCB RM J006840-43, 7935-36, MS/MSD </E>
<H>BPR J006840-43, 7935-36 Dup </H> Store immediately in freezer (except GS)

Analysis: 8082A PCB Solid 4

Lab Number & Container	% Solids	Initial (g) Target Dry: 12.5 (Wet) Actual	(REQ) Acid C/U (5mL)	(REQ) Sulfur C/U (5mL) 1 2 3	(REQ) Silica Gel C/U (2:5)	Final Effective Vol (mL)	Vol (mL) to Lab	Extraction Comments
22L0307-61 B	66.6	(18.77) 18.77	5mL	5mL	2mL	2.5	1.0	
22L0307-62 B	57.5	(21.72) 21.82	5mL	5mL	2mL	2.5	1.0	
22L0307-63 B	64.3	(19.43) 19.41	5mL	5mL	2mL	2.5	1.0	
22L0307-64 B	60.5	(20.65) 20.65	5mL	5mL	2mL	2.5	1.0	
22L0307-65 B	61.9	(20.18) 20.20	5mL	5mL	2mL	2.5	1.0	
22L0307-66 B	64.4	(19.42) 19.42	5mL	5mL	2mL	2.5	1.0	

Batch QC

Lab Number	% Solids	Initial (g) Target Dry: 12.5 (Wet) Actual	(REQ) Acid C/U (5mL)	(REQ) Sulfur C/U (5mL) 1 2 3	(REQ) Silica Gel C/U (2:5)	Final Effective Vol (mL)	Vol (mL) to Lab	Extraction Comments
BKL0584-BLK1	100.0	(12.50) 12.50	5mL	5mL	2mL	2.5	1.0	(10g Actual Wt.)
BKL0584-BS1	100.0	(12.50) 12.50	5mL	5mL	2mL	2.5	1.0	(10g Actual Wt.)
BKL0584-BSD1	100.0	(12.50) 12.50	5mL	5mL	2mL	2.5	1.0	(10g Actual Wt.)
BKL0584-MRL1	100.0	(12.50) 12.50	5mL	5mL	2mL	2.5	1.0	(10g Actual Wt.)
BKL0584-MS1	64.4	(19.42) 19.42	5mL	5mL	2mL	2.5	1.0	Use 22L0307-66
BKL0584-MSD1	64.4	(19.42) 19.42 CTO 12/29/22	5mL	5mL	2mL	2.5	1.0	Use 22L0307-66
BKL0584-SRM1	100.0	~~(12.50)~~ (2.50) 2.50 +1g DI WATER	5mL	5mL	2mL	2.5	1.0	Use ~~K010815~~ K010816 CTO 12/29/22

NL 12/29/22
Client ID verified By Date

TWC 1/6/23
Preparation Reviewed By Date

12/29/22 12:24
Extraction Date and Time

Printed: 12/22/2022 1:36:28PM

3099F

Analytical Resources, LLC
Analytical Chemists and Consultants

ORGANICS PREPARATION BENCH SHEET

Batch: BKL0584

Prepared using: EPA 3546 (Microwave)

8082A PCB Solid 4 in Solid (Version:7 Aroclors)

WO Comments

22L0307: <G> BPR Project batch as much as possible </G> <C>BPR SRM, MS, DUP </C> <M>BPR PS, MS/MSD </M> <E>BPR 8270E RM H002055, SIM RM H010158, PCB RM J006840-43, 7935-36, MS/MSD </E>
<H>BPR J006840-43, 7935-36 Dup </H> Store immediately in freezer (except GS)

Prep Steps

Microwave
1 [✓ 2] 3
CT 12/29/22
Analyst/Date

KD
100°C
Hexane Exchange
(2 X 20 mL)
[✓ 0] 1 2 3 4 [✓ 5] 6
NRB 1/3/23
Analyst/Date

TurboVap
Pre Cleanups
1 2 3 [✓ 4] 5
TWC 1/6/23
Analyst/Date

TurboVap
Post Cleanups
1 [✓ 2] 3 4 5
TWC 1/6/23
Analyst/Date

Vialing
TWC 1/6/23
Analyst/Date

Reagents Used

Station/Reagent	Standard ID
Microwave Analyst: CT Date: 12/29/22	
Neutral Glass Wool	K010562
1:1 Hexane/Acetone	K011642
Hexane	K011373
Anhydrous Sodium Sulfate	K011562
KD Analyst: NRB Date: 1/3/23	
Anhydrous Sodium Sulfate	N/A
Hexane	K011373
Vialing Analyst: TWC Date: 1/6/23	
Hexane	K011373
Concentrated Sulfuric Acid	K010364
Silica Gel (SPE) Darts	K011573
Sodium Sulfite	K010363
Tetrabutylammonium hydrogensulfate (TBAS)	K010832

Surrogates & Spike Standards Used

Type	Vial ID / Standard ID	Vol uL	Analyst	Witness
Surrogate 2µg/mL	N K011752 Exp Date: 1/23/2023	50µL	CT	
Spike 20µg/mL	1 K008150 Exp Date: 3/15/2023	63µL	CT	
QLS Spike 2µg/mL	QLS 5 K009793 Exp Date: 3/15/2023	25µL	CT	

MANUALLY ENTER EXPIRATION DATES!

(V) indicates a virtual standard combining two or more physical standards. In these cases the Standard ID refers to the virtual standard, not the parent standards.

If a Standard ID is missing, but should be present, check the standard definition in Element LIMS to be sure Standard Info 6 has the correct letter or number designator matching the vial designator inthe Standard ID column. If it is correct, check the batch and bench sheet in Element LIMS to be sure the correct standards are selected for surrogate(s) and spike(s).

Analytical Resources, LLC
Analytical Chemists and Consultants

ORGANICS PREPARATION BENCH SHEET

Batch: BKL0584

Prepared using: EPA 3546 (Microwave)

8082A PCB Solid 4 in Solid (Version:7 Aroclors)

WO Comments

22L0307: <G> BPR Project batch as much as possible </G> <C>BPR SRM, MS, DUP </C> <M>BPR PS, MS/MSD </M> <E>BPR 8270E RM H002055, SIM RM H010158, PCB RM J006840-43, 7935-36, MS/MSD </E>
<H>BPR J006840-43, 7935-36 Dup </H> Store immediately in freezer (except GS)

Prep Instructions

SPECIAL INSTRUCTIONS:
1. Weigh soil/sed into beakers-lightly dry with sodium sulfate.
2. Transfer to microwave vessel(s). Note: (do not fill vessels more than 2/3rd full. Some samples may require two vessels).
3. Add 1:1 Hexane/Acetone until the solvent layer is 3 inches above the soil layer after homogenization.
4. Add surr/spike.
5. Microwave on appropriate power setting determined by # of samples.
6. After microwave-Re-homogenize while hot then cool vessels in R-05 15 minutes. Re-homogenize while cool.
7. Decant 1:1 Hex/Ace into Erlenmeyer flask with sodium sulfate in bottom and funnel with neutral glasswool plug.
8. Re-homogenize and rinse with 1:1 Hexane/Acetone.
9. Let cool and decant solvent then empty the soil into the funnel and rinse with Hexane.
10. KD on 100° bath.
11. Exchange (2 X with 20mL) Hexane.
12. TurboVap.
13. Clean-ups.
14. TurboVap.
15. Vial with Hexane.

A. Need Total Solids Y [✓ N]

B. Archive/Freeze [✓ Y] / N

Analytical Resources, Incorporated
Analytical Chemists and Consultants

Organic Extractions Laboratory Analyst Notes

Extraction Parameter: PCB
Extraction Batch BKL0584

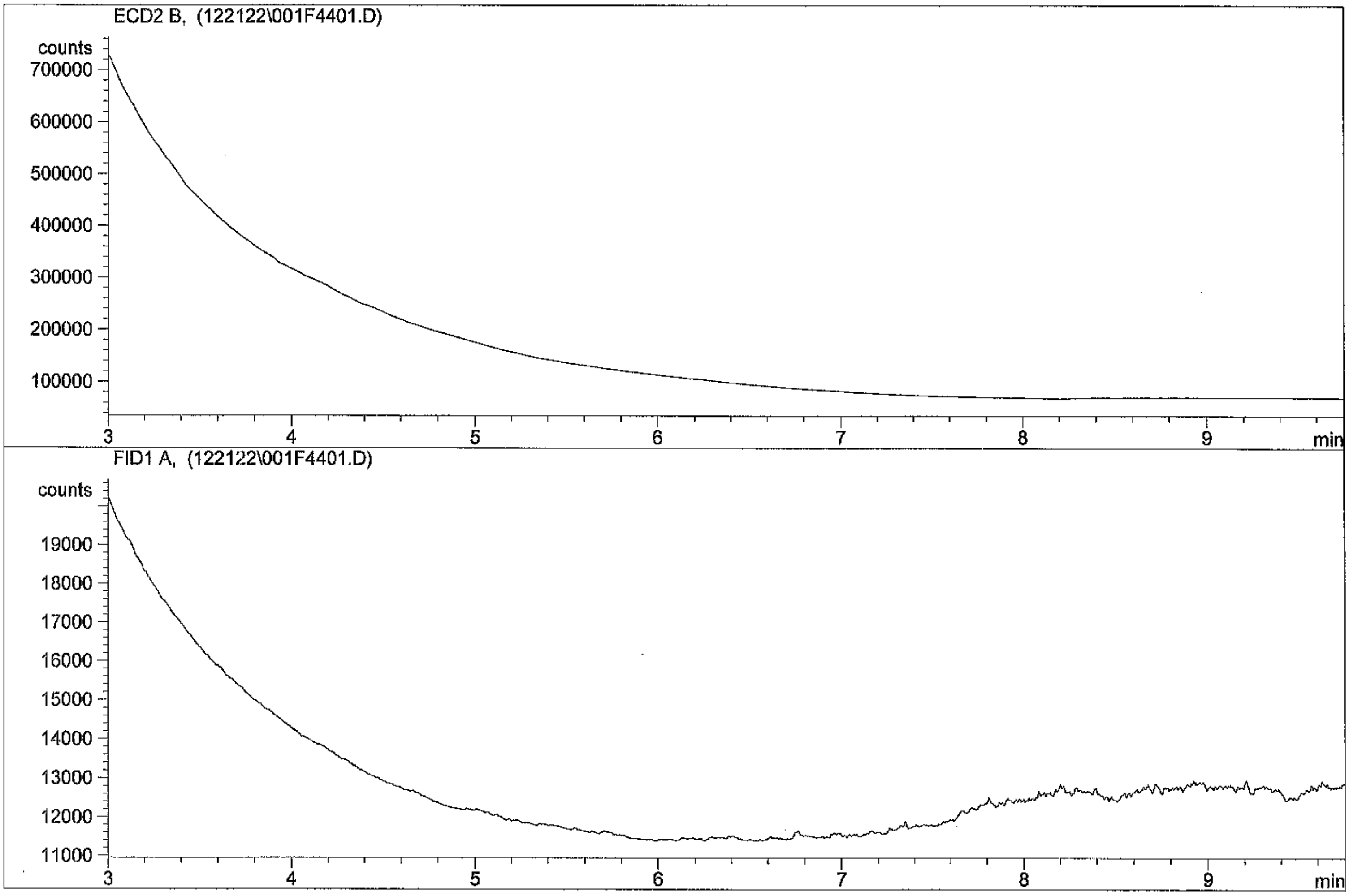
Total Solids Batch: BKL0486
Work Order(s): 22L0307 61 -66

Screens: Soil/Sediment/Solid/Other:	Analyst/Date
☒ No Anomalies (standard soil/wet sediment/sand/gravel)= 61-66	CR 12/21/22
☒ Standing Water Decanted (Not shared)= 61,62,66	CR 12/21/22
☐ Standing Water Homogenized (Shared samples)=	
☐ Clay/Clumps (Difficult to homogenize)=	
☐ Rocks (%+size)?	
☐ Organics (Leaves/sticks/grass)=	
☐ Oily, obvious fuel/sulfur odors=	
☐ Received in 32oz jar(s)=Homogenized in Pyrex dish=	
☒ Previously Frozen = 61-66	CR 12/21/22
☐ Other (Details)=	
Aqueous:	
☐ No Anomalies	
☐ Turbid/Color=	
☐ Particulates(%)=(Note: >5%=Notify Supervisor/Lead)	
☐ Emulsions (%)=	
☐ Oily, obvious fuel/sulfur odors=	
☐ Other (Details)=	
☐ Received in 1.0L Bottle(s)=No Bottle Rinse=	
☐ Other Notes/Comments= (Note problems, concerns, corrective actions).	
☒ Share Samples Y / [✓ N]	CR 12/21/22
☒ Multiple Jars Y / [✓ N]	CR 12/21/22
☐ Sample Pre-Screens indicate analyte activity=	
☐ Sample weights/volumes reduced based on Pre-Screen=	

3056F

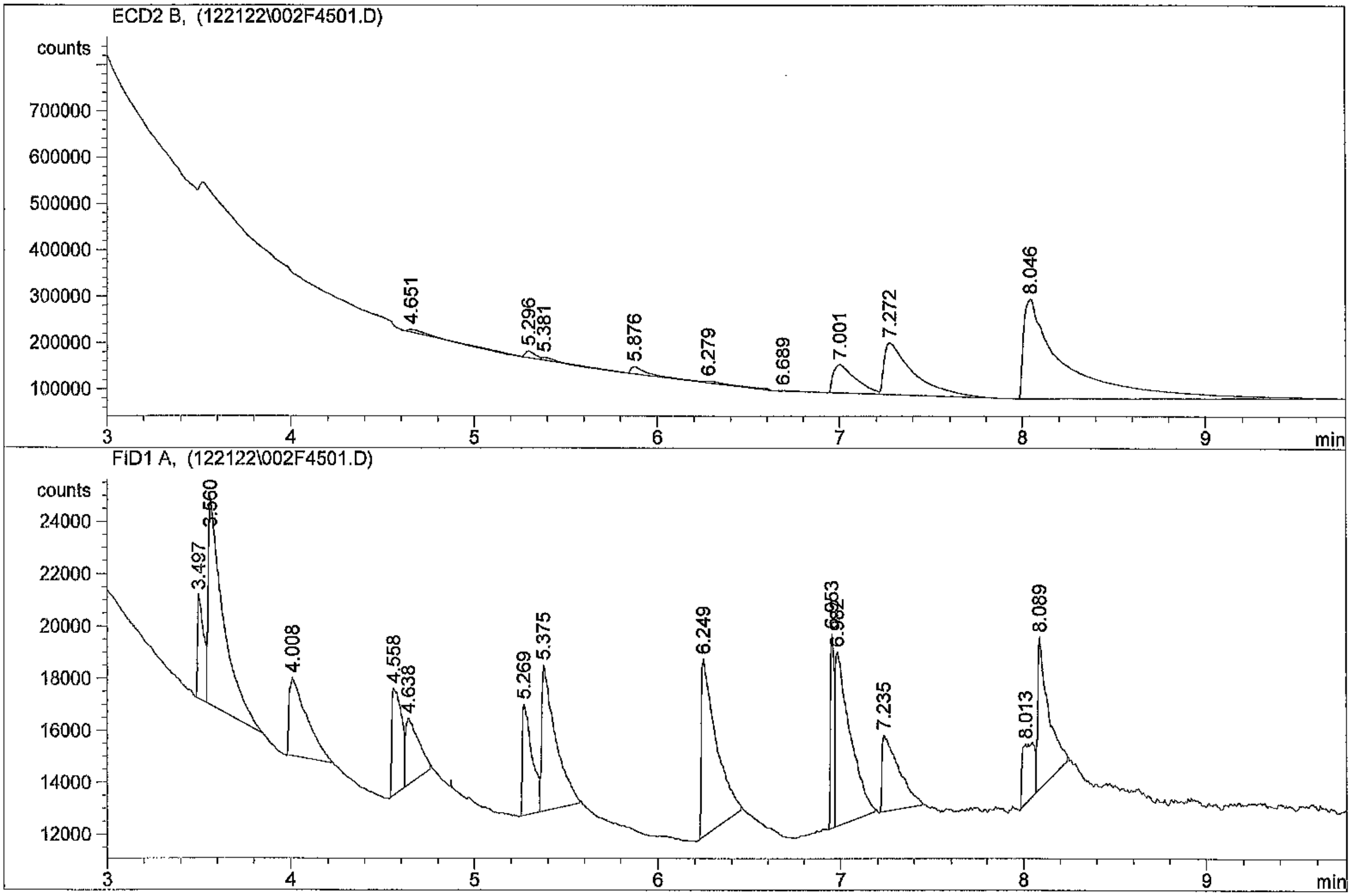
Revision 15
07/01/19

```
Data File C:\HPCHEM\1\DATA\122122\001F4401.D                   Sample Name: DCM RINSE
    =====================================================================
    Injection Date  : 12/22/2022 5:18:54 AM          Seq. Line :  44
    Sample Name     : DCM RINSE                       Location : Vial 1
    Acq. Operator   : CR                                   Inj :   1
                                                    Inj Volume : 1 µl
    Sequence File   : C:\HPCHEM\1\SEQUENCE\122122.S
    Method          : C:\HPCHEM\1\METHODS\SCREEN.M
    Last changed    : 7/9/2021 3:37:33 AM by TW
    SCREEN METHOD
    =====================================================================
```



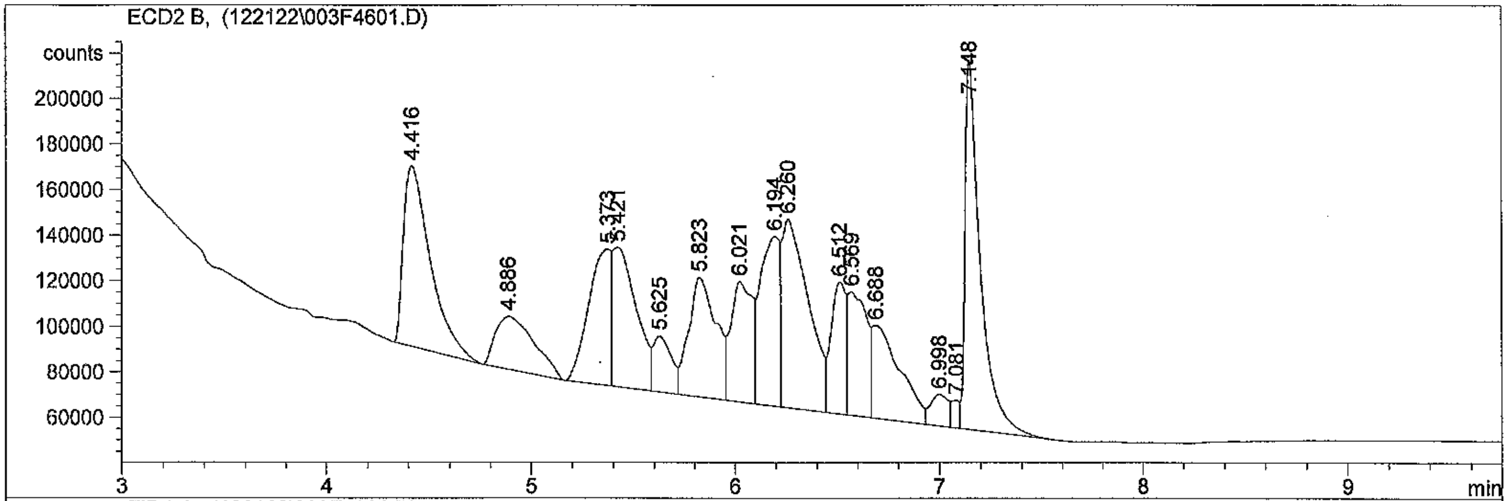
*** End of Report ***

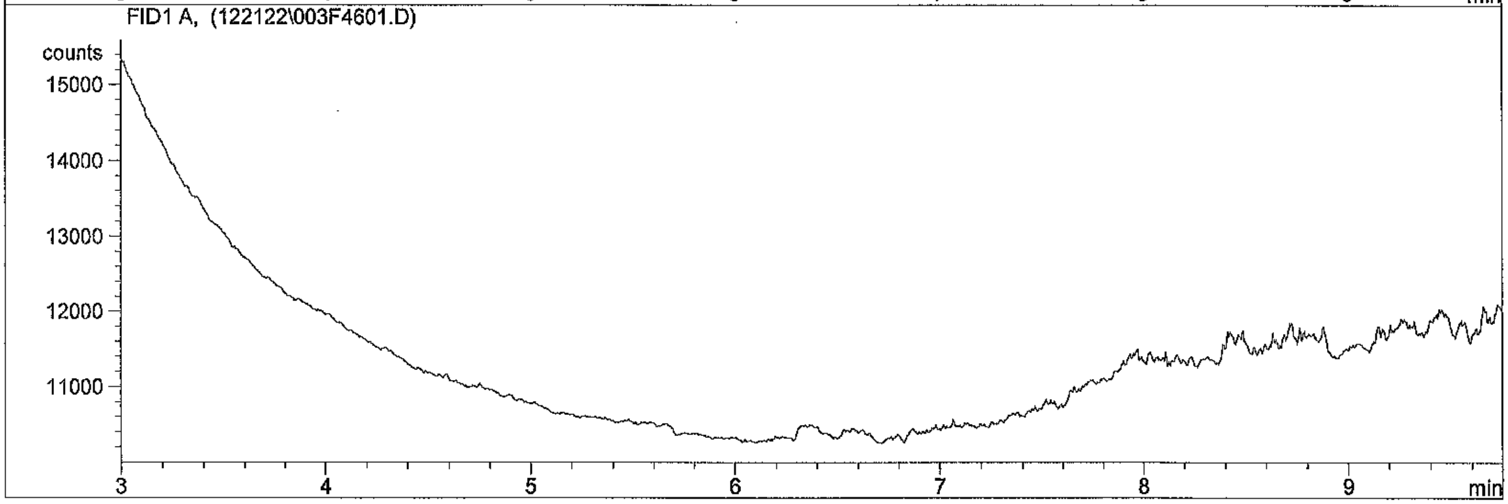
```
Data File C:\HPCHEM\1\DATA\122122\002F4501.D                                  Sample Name: PNA STD 10PPM
    ===================================================================================
    Injection Date  : 12/22/2022 5:32:24 AM          Seq. Line :  45
    Sample Name     : PNA STD 10PPM                   Location : Vial 2
    Acq. Operator   : CR                                   Inj :   1
                                                    Inj Volume : 1 µl
    Sequence File   : C:\HPCHEM\1\SEQUENCE\122122.S
    Method          : C:\HPCHEM\1\METHODS\SCREEN.M
    Last changed    : 7/9/2021 3:37:33 AM by TW
    SCREEN METHOD
    ===================================================================================
```



*** End of Report ***

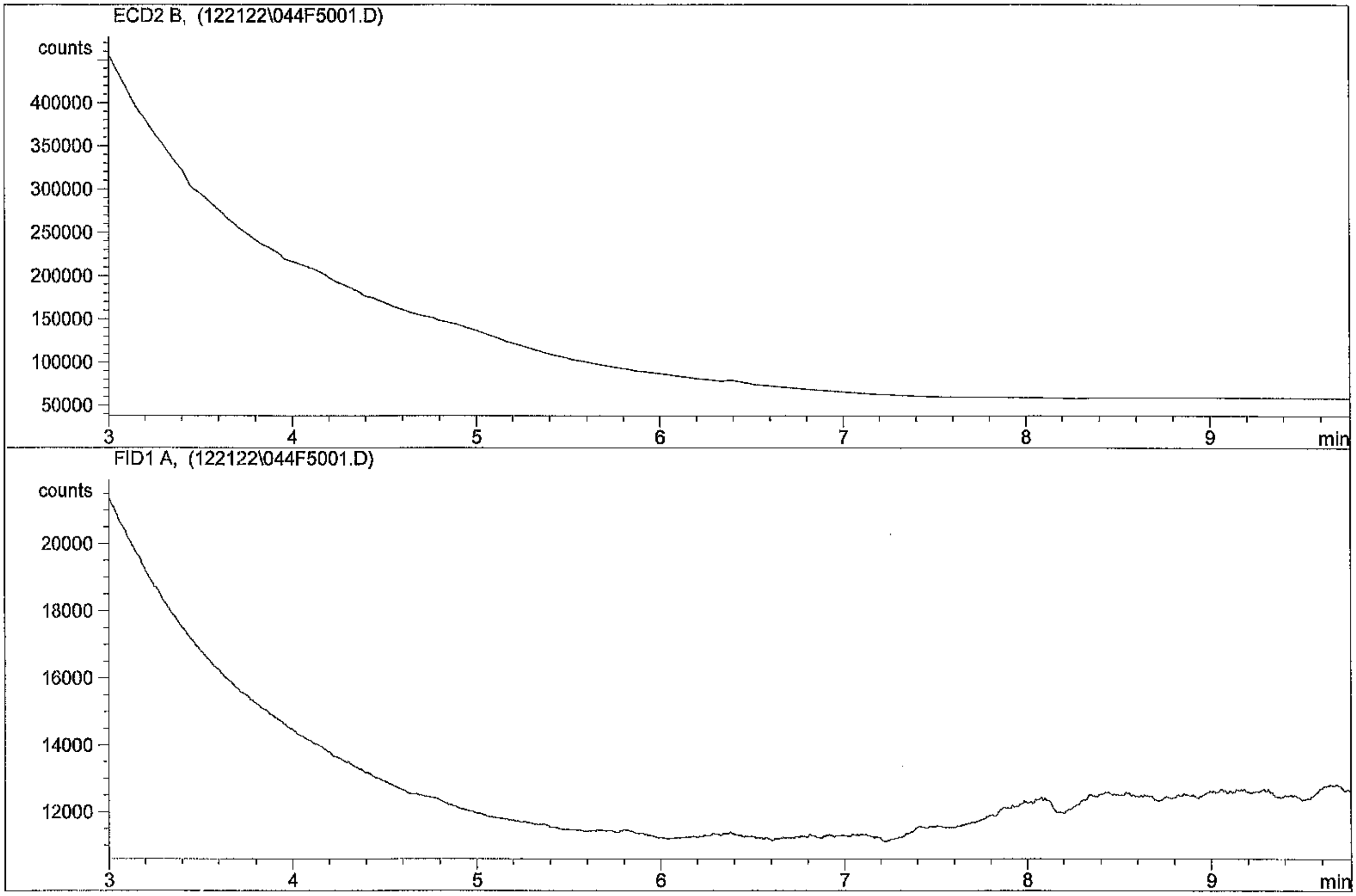
```
Data File C:\HPCHEM\1\DATA\122122\003F4601.D                           Sample Name: AR1660 1PPM
    =====================================================================
    Injection Date  : 12/22/2022 5:46:10 AM          Seq. Line :  46
    Sample Name     : AR1660 1PPM                     Location : Vial 3
    Acq. Operator   : CR                                   Inj :   1
                                                    Inj Volume : 1 µl
    Sequence File   : C:\HPCHEM\1\SEQUENCE\122122.S
    Method          : C:\HPCHEM\1\METHODS\SCREEN.M
    Last changed    : 7/9/2021 3:37:33 AM by TW
    SCREEN METHOD
    =====================================================================
```





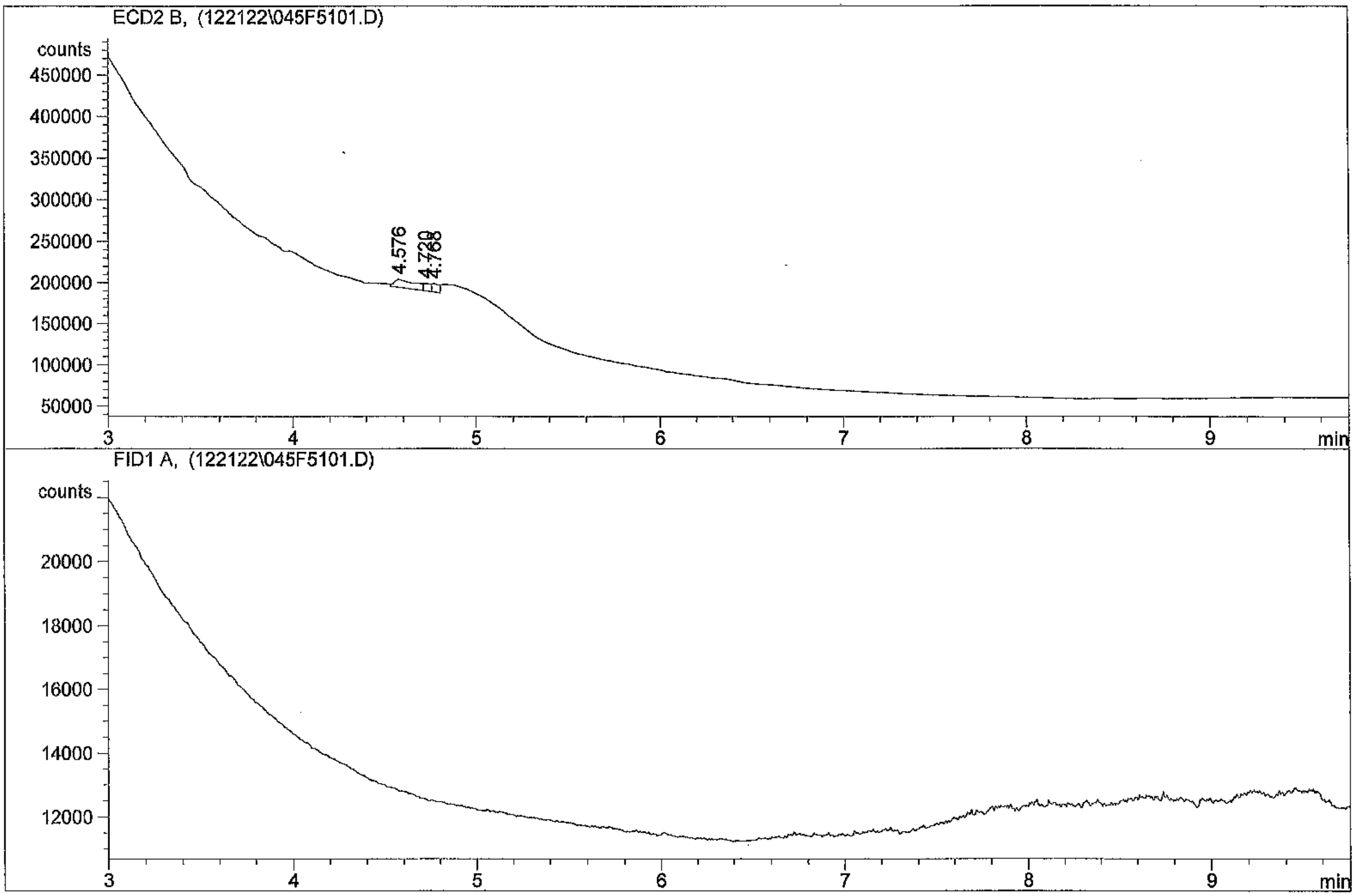
*** End of Report ***

```
Data File C:\HPCHEM\1\DATA\122122\044F5001.D                              Sample Name: 22L0307 61
    ====================================================================
    Injection Date  : 12/22/2022 6:40:40 AM              Seq. Line :  50
    Sample Name     : 22L0307 61                          Location : Vial 44
    Acq. Operator   : CR                                       Inj :  1
                                                     Inj Volume : 1 µl
    Sequence File   : C:\HPCHEM\1\SEQUENCE\122122.S
    Method          : C:\HPCHEM\1\METHODS\SCREEN.M
    Last changed    : 7/9/2021 3:37:33 AM by TW
    SCREEN METHOD
    ====================================================================
```



*** End of Report ***

```
=====================================================================
Injection Date  : 12/22/2022 6:54:07 AM          Seq. Line :  51
Sample Name     : 22L0307 62                      Location : Vial 45
Acq. Operator   : CR                                   Inj :  1
                                                Inj Volume : 1 µl
Sequence File   : C:\HPCHEM\1\SEQUENCE\122122.S
Method          : C:\HPCHEM\1\METHODS\SCREEN.M
Last changed    : 7/9/2021 3:37:33 AM by TW
SCREEN METHOD
=====================================================================
```



*** End of Report ***

```
Data File C:\HPCHEM\1\DATA\122122\046F5201.D                          Sample Name: 22L0307 63
    =====================================================================
    Injection Date  : 12/22/2022 7:07:57 AM          Seq. Line :   52
    Sample Name     : 22L0307 63                      Location : Vial 46
    Acq. Operator   : CR                                   Inj :    1
                                                   Inj Volume : 1 µl
    Sequence File   : C:\HPCHEM\1\SEQUENCE\122122.S
    Method          : C:\HPCHEM\1\METHODS\SCREEN.M
    Last changed    : 7/9/2021 3:37:33 AM by TW
    SCREEN METHOD
    =====================================================================
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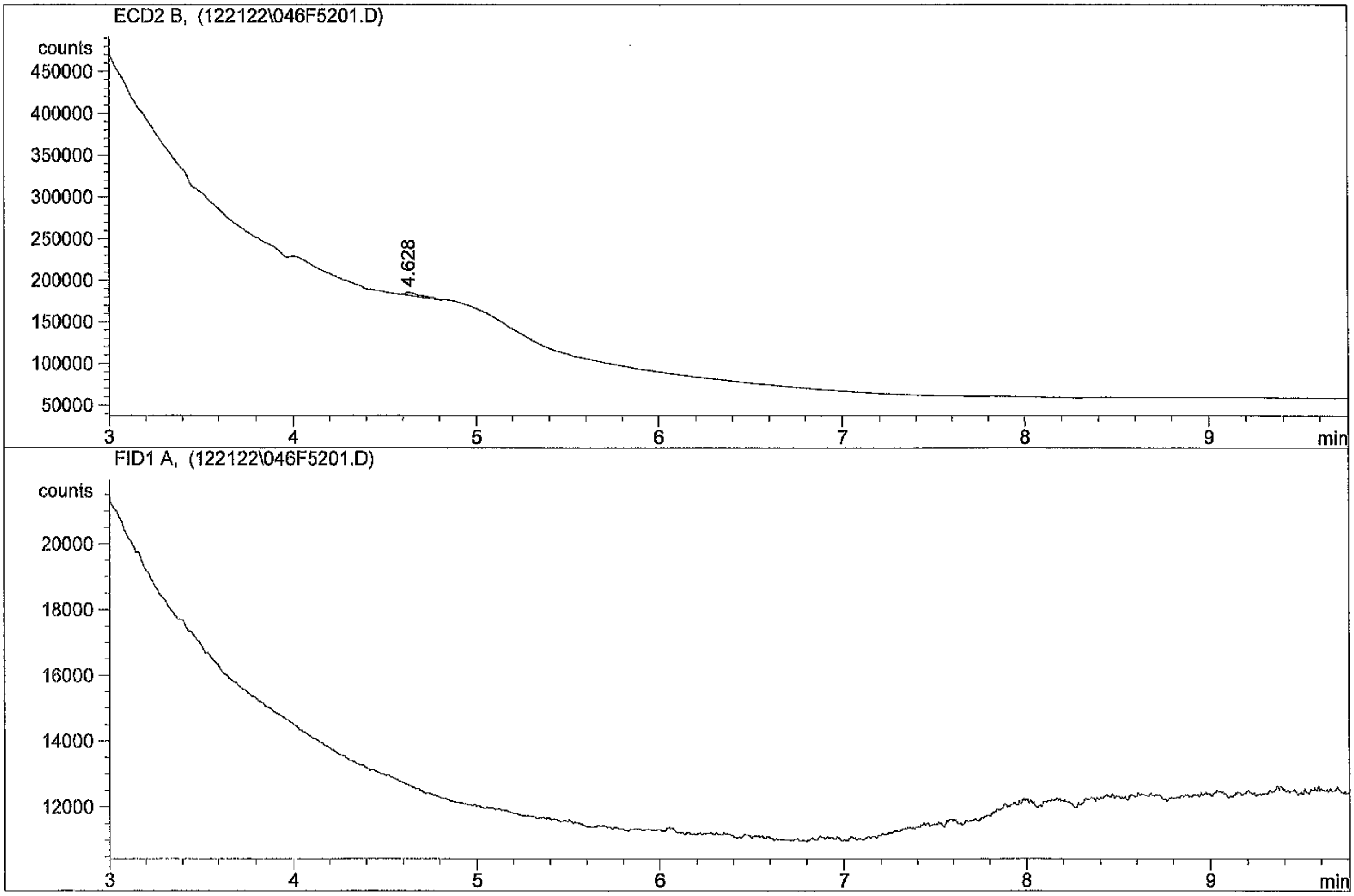
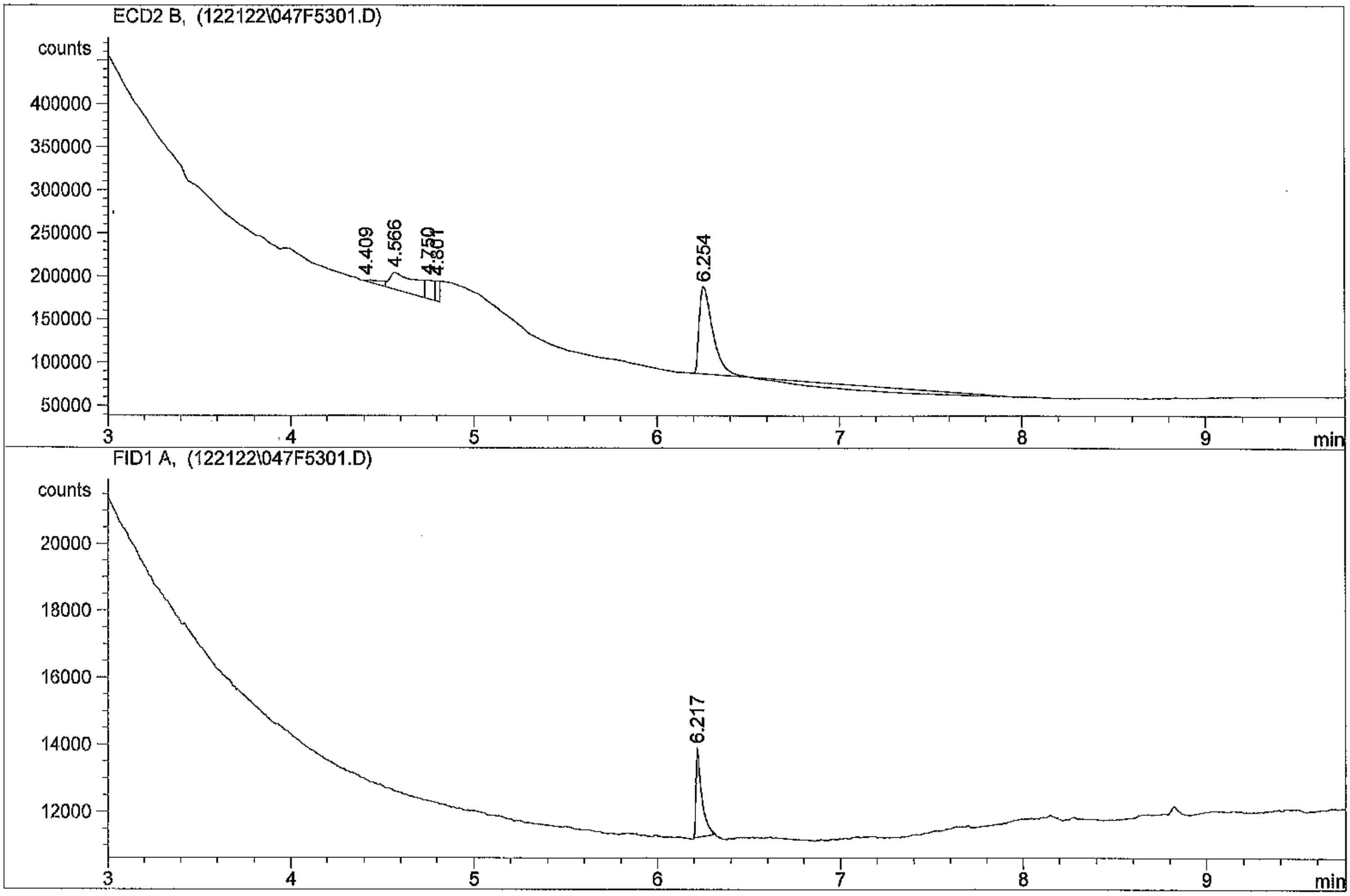


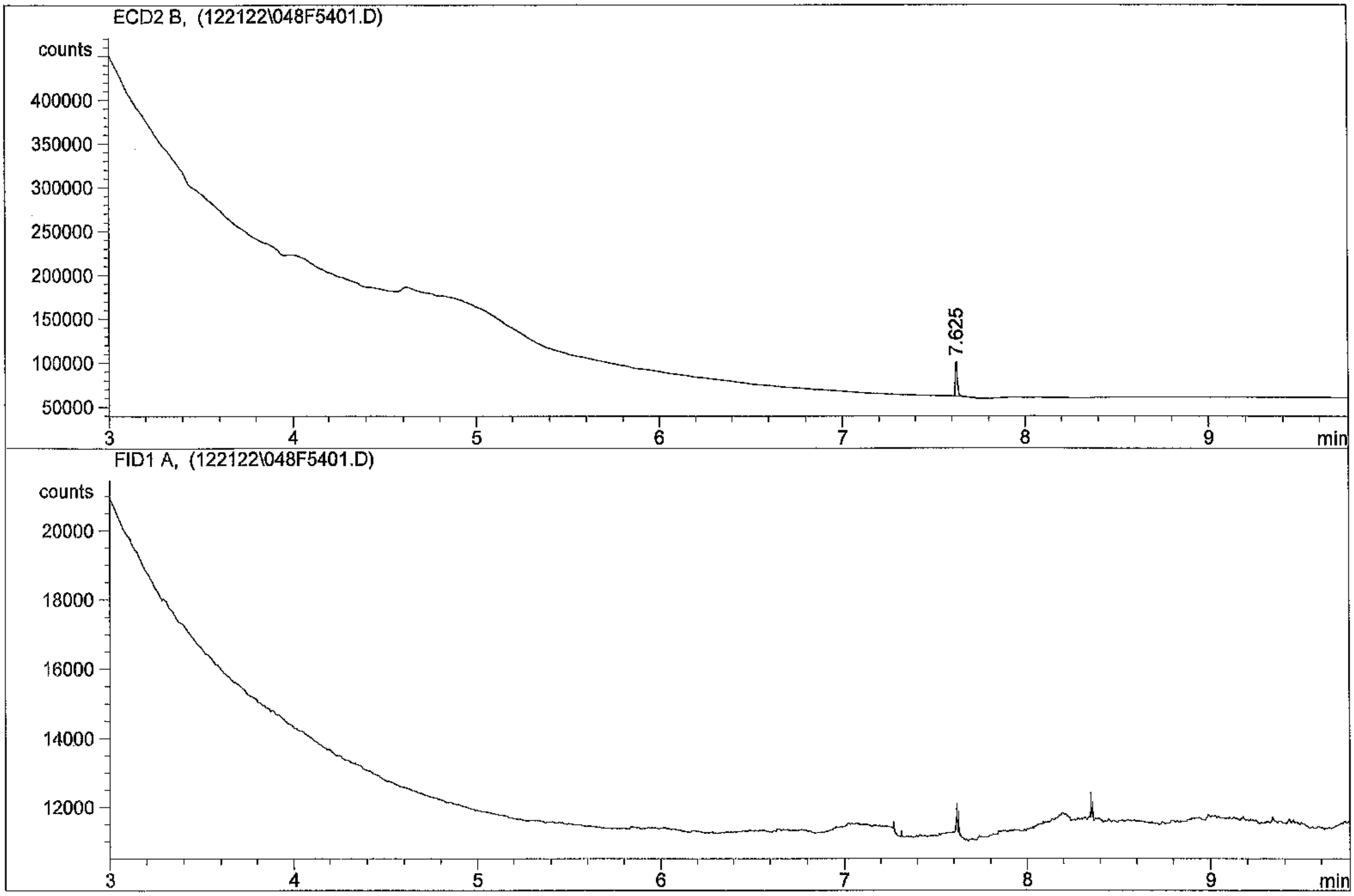
*** End of Report ***

```
Data File C:\HPCHEM\1\DATA\122122\047F5301.D                     Sample Name: 22L0307 64
    ====================================================================
    Injection Date  : 12/22/2022 7:21:28 AM        Seq. Line :  53
    Sample Name     : 22L0307 64                    Location : Vial 47
    Acq. Operator   : CR                                 Inj :   1
                                                  Inj Volume : 1 µl
    Sequence File   : C:\HPCHEM\1\SEQUENCE\122122.S
    Method          : C:\HPCHEM\1\METHODS\SCREEN.M
    Last changed    : 7/9/2021 3:37:33 AM by TW
    SCREEN METHOD
    ====================================================================
```



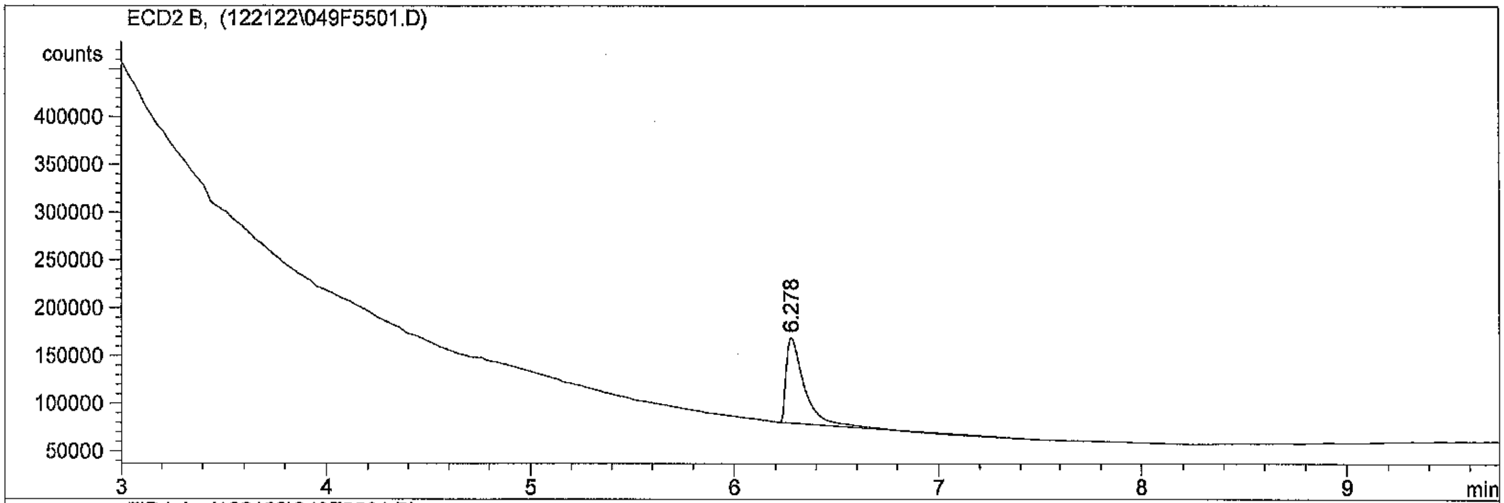
*** End of Report ***

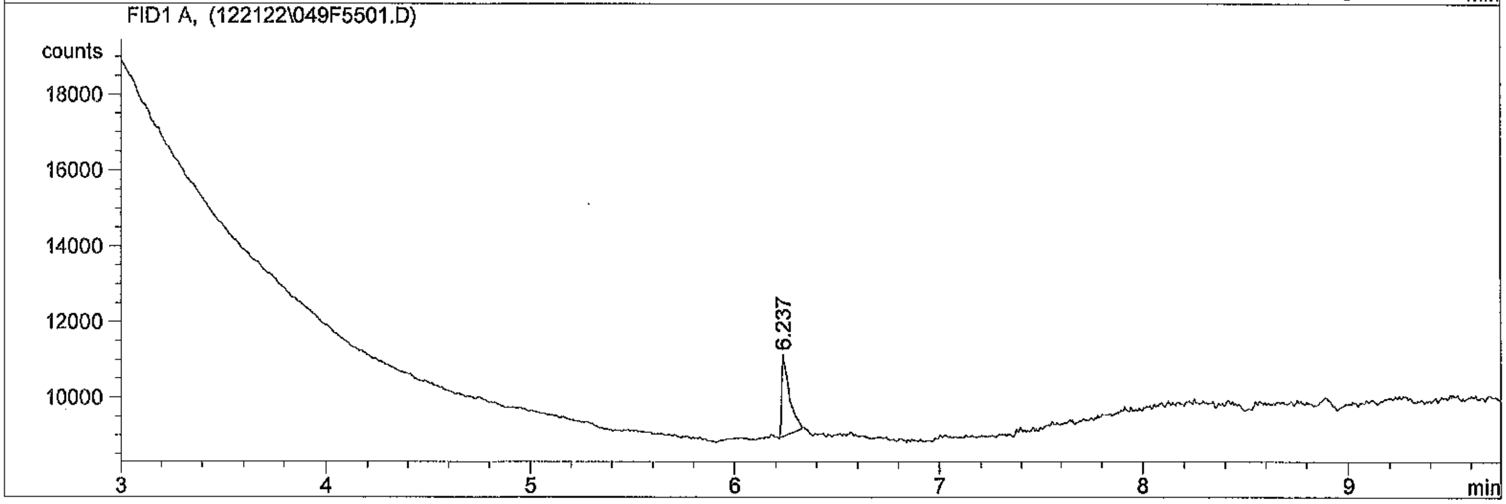
```
Data File C:\HPCHEM\1\DATA\122122\048F5401.D                         Sample Name: 22L0307 65
    =====================================================================
    Injection Date  : 12/22/2022 7:35:08 AM          Seq. Line :  54
    Sample Name     : 22L0307 65                      Location : Vial 48
    Acq. Operator   : CR                                   Inj :  1
                                                    Inj Volume : 1 µl
    Sequence File   : C:\HPCHEM\1\SEQUENCE\122122.S
    Method          : C:\HPCHEM\1\METHODS\SCREEN.M
    Last changed    : 7/9/2021 3:37:33 AM by TW
    SCREEN METHOD
    =====================================================================
```



*** End of Report ***

```
=====================================================================
Injection Date  : 12/22/2022 7:48:38 AM          Seq. Line :  55
Sample Name     : 22L0307 66                      Location : Vial 49
Acq. Operator   : CR                                   Inj :   1
                                                Inj Volume : 1 µl
Sequence File   : C:\HPCHEM\1\SEQUENCE\122122.S
Method          : C:\HPCHEM\1\METHODS\SCREEN.M
Last changed    : 7/9/2021 3:37:33 AM by TW
SCREEN METHOD
=====================================================================
```





*** End of Report ***

```
Data File C:\HPCHEM\1\DATA\122222\003F0101.D                          Sample Name: RINSE
    =================================================================
    Injection Date  : 12/22/2022 9:50:07 AM          Seq. Line :  1
    Sample Name     : RINSE                           Location : Vial 3
    Acq. Operator   : CR                                   Inj :  1
                                                    Inj Volume : 1 µl
    Sequence File   : C:\HPCHEM\1\SEQUENCE\122222.S
    Method          : C:\HPCHEM\1\METHODS\SCREEN.M
    Last changed    : 7/9/2021 3:37:33 AM by TW
    SCREEN METHOD
    =================================================================
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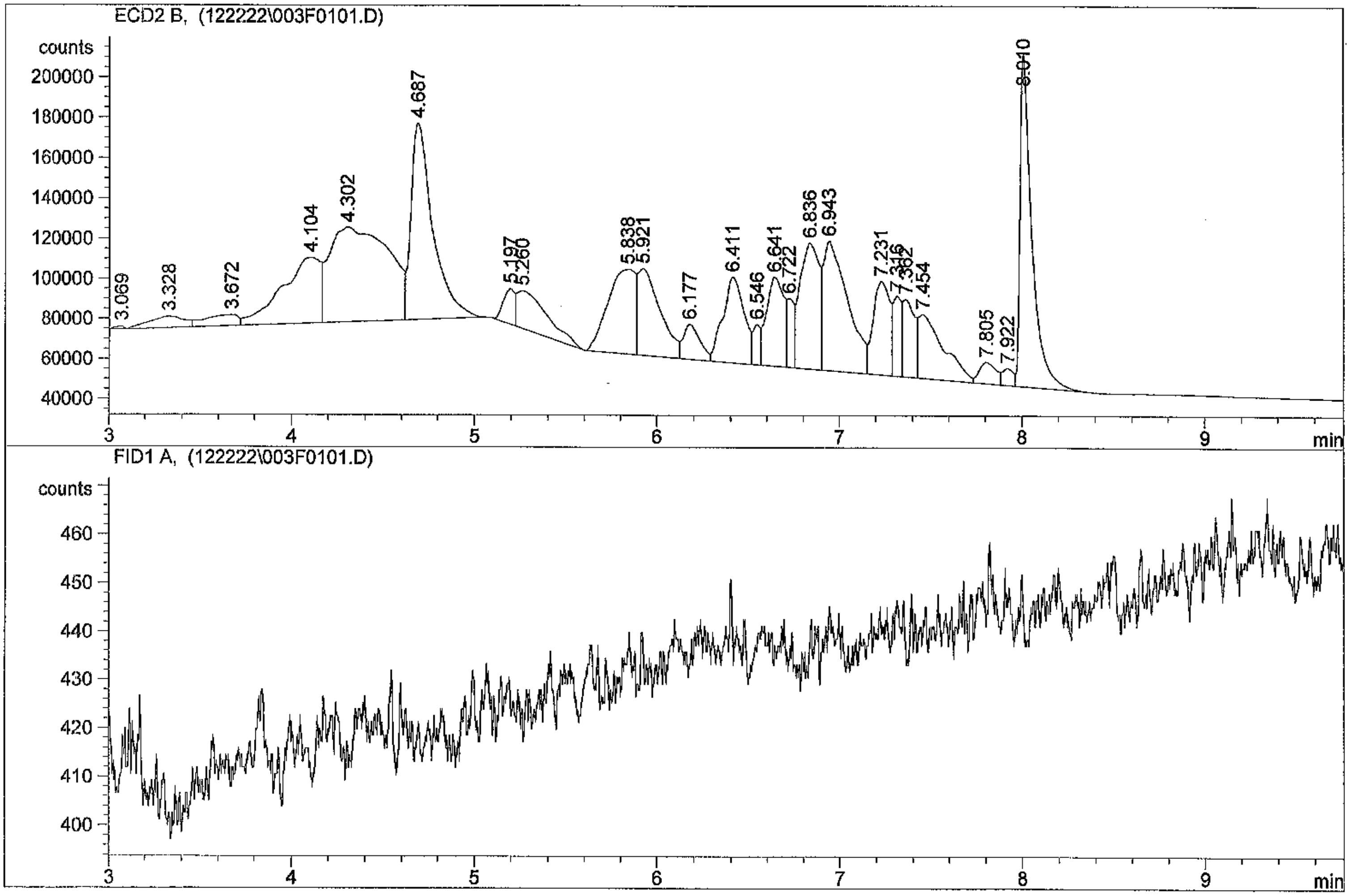


*** End of Report ***

CLEANUP BATCH SUMMARY

Laboratory:	Analytical Resources, LLC	SDG:	22L0307
Client:	Anchor QEA, LLC	Project:	AOC4 UR Phase 3
Cleanup Batch:	CKL0302	Cleanup Type:	Sulfur
Cleanup Method:	EPA 3660B Sulfur Cleanup - uL	Analysis:	EPA 8082A

SAMPLE NAME	LAB SAMPLE ID	LAB FILE ID	DATE PREPARED	OBSERVATIONS
LDW22-IT793C	22L0307-03	12312230ECD7.D	12/30/2022	
LDW22-IT793A	22L0307-01	01052389ECD7.D	12/30/2022	
Blank	BKL0581-BLK1	12312222ECD7.D	12/30/2022	
LCS	BKL0581-BS1	12312223ECD7.D	12/30/2022	
LCS Dup	BKL0581-BSD1	12312224ECD7.D	12/30/2022	
Matrix Spike	BKL0581-MS1	12312226ECD7.D	12/30/2022	
Matrix Spike Dup	BKL0581-MSD1	12312227ECD7.D	12/30/2022	
Reference	BKL0581-SRM1	12312225ECD7.D	12/30/2022	
LDW22-IT806E	22L0307-19	12312248ECD7.D	12/30/2022	
LDW22-IT806C	22L0307-17	12312246ECD7.D	12/30/2022	
LDW22-IT806B	22L0307-16	12312245ECD7.D	12/30/2022	
LDW22-IT806D	22L0307-18	12312247ECD7.D	12/30/2022	
LDW22-IT795G	22L0307-14	12312243ECD7.D	12/30/2022	
LDW22-IT795E	22L0307-12	12312241ECD7.D	12/30/2022	
LDW22-IT793F	22L0307-07	12312234ECD7.D	12/30/2022	
LDW22-IT795B	22L0307-08	01032306ECD7.D	12/30/2022	
LDW22-IT806F	22L0307-20	12312249ECD7.D	12/30/2022	
LDW22-IT793D-FD	22L0307-05	12312232ECD7.D	12/30/2022	
LDW22-IT795F	22L0307-13	12312242ECD7.D	12/30/2022	
LDW22-IT793E	22L0307-06	12312233ECD7.D	12/30/2022	
LDW22-IT793D	22L0307-04	12312231ECD7.D	12/30/2022	
LDW22-IT793B	22L0307-02	12312229ECD7.D	12/30/2022	
LDW22-IT795C	22L0307-09	01032307ECD7.D	12/30/2022	
LDW22-IT795C-FD	22L0307-10	01032308ECD7.D	12/30/2022	
LDW22-IT795D	22L0307-11	12312240ECD7.D	12/30/2022	
LDW22-IT806A	22L0307-15	12312244ECD7.D	12/30/2022	

CLEANUP BENCH SHEET

CKL0302

Matrix: Solid **Cleanup using: Organics - EPA 3660B Sulfur Cleanup - uL** **Printed: 12/30/2022 2:11:44PM**

Lab Number	Sample Container	Sample Name	Extract Container	Initial (uL)	Final (uL)	Analysis	Clean Up Date	Cleaned By	Cleanup Comments
22L0307-01	B	LDW22-IT793A	B 01	2.5	2.5	8082A PCB Solid 4	12/30/2022	LMJ	
22L0307-02	B	LDW22-IT793B	B 01	2.5	2.5	8082A PCB Solid 4	12/30/2022	LMJ	
22L0307-03	B	LDW22-IT793C	B 01	2.5	2.5	8082A PCB Solid 4	12/30/2022	LMJ	
22L0307-04	B	LDW22-IT793D	B 01	2.5	2.5	8082A PCB Solid 4	12/30/2022	LMJ	
22L0307-05	B	LDW22-IT793D-FD	B 01	2.5	2.5	8082A PCB Solid 4	12/30/2022	LMJ	
22L0307-06	B	LDW22-IT793E	B 01	2.5	2.5	8082A PCB Solid 4	12/30/2022	LMJ	
22L0307-07	B	LDW22-IT793F	B 01	2.5	2.5	8082A PCB Solid 4	12/30/2022	LMJ	
22L0307-08	B	LDW22-IT795B	B 01	2.5	2.5	8082A PCB Solid 4	12/30/2022	LMJ	
22L0307-09	B	LDW22-IT795C	B 01	2.5	2.5	8082A PCB Solid 4	12/30/2022	LMJ	
22L0307-10	B	LDW22-IT795C-FD	B 01	2.5	2.5	8082A PCB Solid 4	12/30/2022	LMJ	
22L0307-11	B	LDW22-IT795D	B 01	2.5	2.5	8082A PCB Solid 4	12/30/2022	LMJ	
22L0307-12	B	LDW22-IT795E	B 01	2.5	2.5	8082A PCB Solid 4	12/30/2022	LMJ	
22L0307-13	B	LDW22-IT795F	B 01	2.5	2.5	8082A PCB Solid 4	12/30/2022	LMJ	
22L0307-14	B	LDW22-IT795G	B 01	2.5	2.5	8082A PCB Solid 4	12/30/2022	LMJ	
22L0307-15	B	LDW22-IT806A	B 01	2.5	2.5	8082A PCB Solid 4	12/30/2022	LMJ	
22L0307-16	B	LDW22-IT806B	B 01	2.5	2.5	8082A PCB Solid 4	12/30/2022	LMJ	
22L0307-17	B	LDW22-IT806C	B 01	2.5	2.5	8082A PCB Solid 4	12/30/2022	LMJ	
22L0307-18	B	LDW22-IT806D	B 01	2.5	2.5	8082A PCB Solid 4	12/30/2022	LMJ	
22L0307-19	B	LDW22-IT806E	B 01	2.5	2.5	8082A PCB Solid 4	12/30/2022	LMJ	
22L0307-20	B	LDW22-IT806F	B 01	2.5	2.5	8082A PCB Solid 4	12/30/2022	LMJ	
BKL0581-BLK1	-	Blank	-	2.5	2.5	-	12/30/2022	LMJ	
BKL0581-BS1	-	LCS	-	2.5	2.5	-	12/30/2022	LMJ	

CLEANUP BENCH SHEET

CKL0302

Matrix: Solid **Cleanup using: Organics - EPA 3660B Sulfur Cleanup - uL** **Printed: 12/30/2022 2:11:44PM**

Lab Number	Sample Container	Sample Name	Extract Container	Initial (uL)	Final (uL)	Analysis	Clean Up Date	Cleaned By	Cleanup Comments
BKL0581-BSD1	-	LCS Dup	-	2.5	2.5	-	12/30/2022	LMJ	
BKL0581-MS1	-	Matrix Spike	-	2.5	2.5	-	12/30/2022	LMJ	
BKL0581-MSD1	-	Matrix Spike Dup	-	2.5	2.5	-	12/30/2022	LMJ	
BKL0581-SRM1	-	Reference	-	2.5	2.5	-	12/30/2022	LMJ	

CLEANUP BATCH SUMMARY

Laboratory:	Analytical Resources, LLC	SDG:	22L0307
Client:	Anchor QEA, LLC	Project:	AOC4 UR Phase 3
Cleanup Batch:	CKL0303	Cleanup Type:	Silica Gel
Cleanup Method:	EPA 3630C Silica Gel Cleanup - uL	Analysis:	EPA 8082A

SAMPLE NAME	LAB SAMPLE ID	LAB FILE ID	DATE PREPARED	OBSERVATIONS
LDW22-IT795D	22L0307-11	12312240ECD7.D	12/30/2022	
LDW22-IT806E	22L0307-19	12312248ECD7.D	12/30/2022	
LDW22-IT806F	22L0307-20	12312249ECD7.D	12/30/2022	
LCS	BKL0581-BS1	12312223ECD7.D	12/30/2022	
Matrix Spike	BKL0581-MS1	12312226ECD7.D	12/30/2022	
Matrix Spike Dup	BKL0581-MSD1	12312227ECD7.D	12/30/2022	
Reference	BKL0581-SRM1	12312225ECD7.D	12/30/2022	
LDW22-IT806C	22L0307-17	12312246ECD7.D	12/30/2022	
LDW22-IT806B	22L0307-16	12312245ECD7.D	12/30/2022	
Blank	BKL0581-BLK1	12312222ECD7.D	12/30/2022	
LDW22-IT793E	22L0307-06	12312233ECD7.D	12/30/2022	
LCS Dup	BKL0581-BSD1	12312224ECD7.D	12/30/2022	
LDW22-IT795E	22L0307-12	12312241ECD7.D	12/30/2022	
LDW22-IT795B	22L0307-08	01032306ECD7.D	12/30/2022	
LDW22-IT795C-FD	22L0307-10	01032308ECD7.D	12/30/2022	
LDW22-IT795C	22L0307-09	01032307ECD7.D	12/30/2022	
LDW22-IT806D	22L0307-18	12312247ECD7.D	12/30/2022	
LDW22-IT793F	22L0307-07	12312234ECD7.D	12/30/2022	
LDW22-IT793D-FD	22L0307-05	12312232ECD7.D	12/30/2022	
LDW22-IT793D	22L0307-04	12312231ECD7.D	12/30/2022	
LDW22-IT793C	22L0307-03	12312230ECD7.D	12/30/2022	
LDW22-IT793B	22L0307-02	12312229ECD7.D	12/30/2022	
LDW22-IT793A	22L0307-01	01052389ECD7.D	12/30/2022	
LDW22-IT795G	22L0307-14	12312243ECD7.D	12/30/2022	
LDW22-IT806A	22L0307-15	12312244ECD7.D	12/30/2022	
LDW22-IT795F	22L0307-13	12312242ECD7.D	12/30/2022	

CLEANUP BENCH SHEET

CKL0303

Matrix: Solid **Cleanup using: Organics - EPA 3660C Silica Gel Cleanup - uL** **Printed: 12/30/2022 2:12:26PM**

Lab Number	Sample Container	Sample Name	Extract Container	Initial (uL)	Final (uL)	Analysis	Clean Up Date	Cleaned By	Cleanup Comments
22L0307-01	B	LDW22-IT793A	B 01	2.5	2.5	8082A PCB Solid 4	12/30/2022	LMJ	
22L0307-02	B	LDW22-IT793B	B 01	2.5	2.5	8082A PCB Solid 4	12/30/2022	LMJ	
22L0307-03	B	LDW22-IT793C	B 01	2.5	2.5	8082A PCB Solid 4	12/30/2022	LMJ	
22L0307-04	B	LDW22-IT793D	B 01	2.5	2.5	8082A PCB Solid 4	12/30/2022	LMJ	
22L0307-05	B	LDW22-IT793D-FD	B 01	2.5	2.5	8082A PCB Solid 4	12/30/2022	LMJ	
22L0307-06	B	LDW22-IT793E	B 01	2.5	2.5	8082A PCB Solid 4	12/30/2022	LMJ	
22L0307-07	B	LDW22-IT793F	B 01	2.5	2.5	8082A PCB Solid 4	12/30/2022	LMJ	
22L0307-08	B	LDW22-IT795B	B 01	2.5	2.5	8082A PCB Solid 4	12/30/2022	LMJ	
22L0307-09	B	LDW22-IT795C	B 01	2.5	2.5	8082A PCB Solid 4	12/30/2022	LMJ	
22L0307-10	B	LDW22-IT795C-FD	B 01	2.5	2.5	8082A PCB Solid 4	12/30/2022	LMJ	
22L0307-11	B	LDW22-IT795D	B 01	2.5	2.5	8082A PCB Solid 4	12/30/2022	LMJ	
22L0307-12	B	LDW22-IT795E	B 01	2.5	2.5	8082A PCB Solid 4	12/30/2022	LMJ	
22L0307-13	B	LDW22-IT795F	B 01	2.5	2.5	8082A PCB Solid 4	12/30/2022	LMJ	
22L0307-14	B	LDW22-IT795G	B 01	2.5	2.5	8082A PCB Solid 4	12/30/2022	LMJ	
22L0307-15	B	LDW22-IT806A	B 01	2.5	2.5	8082A PCB Solid 4	12/30/2022	LMJ	
22L0307-16	B	LDW22-IT806B	B 01	2.5	2.5	8082A PCB Solid 4	12/30/2022	LMJ	
22L0307-17	B	LDW22-IT806C	B 01	2.5	2.5	8082A PCB Solid 4	12/30/2022	LMJ	
22L0307-18	B	LDW22-IT806D	B 01	2.5	2.5	8082A PCB Solid 4	12/30/2022	LMJ	
22L0307-19	B	LDW22-IT806E	B 01	2.5	2.5	8082A PCB Solid 4	12/30/2022	LMJ	
22L0307-20	B	LDW22-IT806F	B 01	2.5	2.5	8082A PCB Solid 4	12/30/2022	LMJ	
BKL0581-BLK1	-	Blank	-	2.5	2.5	-	12/30/2022	LMJ	
BKL0581-BS1	-	LCS	-	2.5	2.5	-	12/30/2022	LMJ	

CLEANUP BENCH SHEET

CKL0303

Matrix: Solid **Cleanup using: Organics - EPA 3660C Silica Gel Cleanup - uL** **Printed: 12/30/2022 2:12:26PM**

Lab Number	Sample Container	Sample Name	Extract Container	Initial (uL)	Final (uL)	Analysis	Clean Up Date	Cleaned By	Cleanup Comments
BKL0581-BSD1	-	LCS Dup	-	2.5	2.5	-	12/30/2022	LMJ	
BKL0581-MS1	-	Matrix Spike	-	2.5	2.5	-	12/30/2022	LMJ	
BKL0581-MSD1	-	Matrix Spike Dup	-	2.5	2.5	-	12/30/2022	LMJ	
BKL0581-SRM1	-	Reference	-	2.5	2.5	-	12/30/2022	LMJ	

CLEANUP BATCH SUMMARY

Laboratory:	Analytical Resources, LLC	SDG:	22L0307
Client:	Anchor QEA, LLC	Project:	AOC4 UR Phase 3
Cleanup Batch:	CKL0304	Cleanup Type:	Sulfuric Acid
Cleanup Method:	EPA 3665 Sulfuric Acid Cleanup - uL	Analysis:	EPA 8082A

SAMPLE NAME	LAB SAMPLE ID	LAB FILE ID	DATE PREPARED	OBSERVATIONS
LDW22-IT793D	22L0307-04	12312231ECD7.D	12/30/2022	
Blank	BKL0581-BLK1	12312222ECD7.D	12/30/2022	
LDW22-IT793A	22L0307-01	01052389ECD7.D	12/30/2022	
LDW22-IT793B	22L0307-02	12312229ECD7.D	12/30/2022	
LDW22-IT795F	22L0307-13	12312242ECD7.D	12/30/2022	
LCS	BKL0581-BS1	12312223ECD7.D	12/30/2022	
LDW22-IT806F	22L0307-20	12312249ECD7.D	12/30/2022	
LDW22-IT806E	22L0307-19	12312248ECD7.D	12/30/2022	
LDW22-IT806D	22L0307-18	12312247ECD7.D	12/30/2022	
LDW22-IT806C	22L0307-17	12312246ECD7.D	12/30/2022	
LDW22-IT806B	22L0307-16	12312245ECD7.D	12/30/2022	
LDW22-IT793E	22L0307-06	12312233ECD7.D	12/30/2022	
LDW22-IT795G	22L0307-14	12312243ECD7.D	12/30/2022	
LDW22-IT793F	22L0307-07	12312234ECD7.D	12/30/2022	
LDW22-IT795E	22L0307-12	12312241ECD7.D	12/30/2022	
LDW22-IT795D	22L0307-11	12312240ECD7.D	12/30/2022	
LDW22-IT795C-FD	22L0307-10	01032308ECD7.D	12/30/2022	
LDW22-IT795C	22L0307-09	01032307ECD7.D	12/30/2022	
LDW22-IT795B	22L0307-08	01032306ECD7.D	12/30/2022	
LDW22-IT793D-FD	22L0307-05	12312232ECD7.D	12/30/2022	
LDW22-IT806A	22L0307-15	12312244ECD7.D	12/30/2022	
LCS Dup	BKL0581-BSD1	12312224ECD7.D	12/30/2022	
Matrix Spike	BKL0581-MS1	12312226ECD7.D	12/30/2022	
Matrix Spike Dup	BKL0581-MSD1	12312227ECD7.D	12/30/2022	
Reference	BKL0581-SRM1	12312225ECD7.D	12/30/2022	
LDW22-IT793C	22L0307-03	12312230ECD7.D	12/30/2022	

CLEANUP BENCH SHEET

CKL0304

Matrix: Solid **Cleanup using: Organics - EPA 3665 Sulfuric Acid Cleanup - uL** **Printed: 12/30/2022 2:13:11PM**

Lab Number	Sample Container	Sample Name	Extract Container	Initial (uL)	Final (uL)	Analysis	Clean Up Date	Cleaned By	Cleanup Comments
22L0307-01	B	LDW22-IT793A	B 01	2.5	2.5	8082A PCB Solid 4	12/30/2022	LMJ	
22L0307-02	B	LDW22-IT793B	B 01	2.5	2.5	8082A PCB Solid 4	12/30/2022	LMJ	
22L0307-03	B	LDW22-IT793C	B 01	2.5	2.5	8082A PCB Solid 4	12/30/2022	LMJ	
22L0307-04	B	LDW22-IT793D	B 01	2.5	2.5	8082A PCB Solid 4	12/30/2022	LMJ	
22L0307-05	B	LDW22-IT793D-FD	B 01	2.5	2.5	8082A PCB Solid 4	12/30/2022	LMJ	
22L0307-06	B	LDW22-IT793E	B 01	2.5	2.5	8082A PCB Solid 4	12/30/2022	LMJ	
22L0307-07	B	LDW22-IT793F	B 01	2.5	2.5	8082A PCB Solid 4	12/30/2022	LMJ	
22L0307-08	B	LDW22-IT795B	B 01	2.5	2.5	8082A PCB Solid 4	12/30/2022	LMJ	
22L0307-09	B	LDW22-IT795C	B 01	2.5	2.5	8082A PCB Solid 4	12/30/2022	LMJ	
22L0307-10	B	LDW22-IT795C-FD	B 01	2.5	2.5	8082A PCB Solid 4	12/30/2022	LMJ	
22L0307-11	B	LDW22-IT795D	B 01	2.5	2.5	8082A PCB Solid 4	12/30/2022	LMJ	
22L0307-12	B	LDW22-IT795E	B 01	2.5	2.5	8082A PCB Solid 4	12/30/2022	LMJ	
22L0307-13	B	LDW22-IT795F	B 01	2.5	2.5	8082A PCB Solid 4	12/30/2022	LMJ	
22L0307-14	B	LDW22-IT795G	B 01	2.5	2.5	8082A PCB Solid 4	12/30/2022	LMJ	
22L0307-15	B	LDW22-IT806A	B 01	2.5	2.5	8082A PCB Solid 4	12/30/2022	LMJ	
22L0307-16	B	LDW22-IT806B	B 01	2.5	2.5	8082A PCB Solid 4	12/30/2022	LMJ	
22L0307-17	B	LDW22-IT806C	B 01	2.5	2.5	8082A PCB Solid 4	12/30/2022	LMJ	
22L0307-18	B	LDW22-IT806D	B 01	2.5	2.5	8082A PCB Solid 4	12/30/2022	LMJ	
22L0307-19	B	LDW22-IT806E	B 01	2.5	2.5	8082A PCB Solid 4	12/30/2022	LMJ	
22L0307-20	B	LDW22-IT806F	B 01	2.5	2.5	8082A PCB Solid 4	12/30/2022	LMJ	
BKL0581-BLK1	-	Blank	-	2.5	2.5	-	12/30/2022	LMJ	
BKL0581-BS1	-	LCS	-	2.5	2.5	-	12/30/2022	LMJ	

CLEANUP BENCH SHEET

CKL0304

Matrix: Solid **Cleanup using: Organics - EPA 3665 Sulfuric Acid Cleanup - uL** **Printed: 12/30/2022 2:13:11PM**

Lab Number	Sample Container	Sample Name	Extract Container	Initial (uL)	Final (uL)	Analysis	Clean Up Date	Cleaned By	Cleanup Comments
BKL0581-BSD1	-	LCS Dup	-	2.5	2.5	-	12/30/2022	LMJ	
BKL0581-MS1	-	Matrix Spike	-	2.5	2.5	-	12/30/2022	LMJ	
BKL0581-MSD1	-	Matrix Spike Dup	-	2.5	2.5	-	12/30/2022	LMJ	
BKL0581-SRM1	-	Reference	-	2.5	2.5	-	12/30/2022	LMJ	

CLEANUP BATCH SUMMARY

Laboratory:	Analytical Resources, LLC	SDG:	22L0307
Client:	Anchor QEA, LLC	Project:	AOC4 UR Phase 3
Cleanup Batch:	CLA0048	Cleanup Type:	Sulfuric Acid
Cleanup Method:	EPA 3665 Sulfuric Acid Cleanup - uL	Analysis:	EPA 8082A

SAMPLE NAME	LAB SAMPLE ID	LAB FILE ID	DATE PREPARED	OBSERVATIONS
LDW22-SC750B	22L0307-22	01072330ECD7.D	01/05/2023	
LDW22-SC750F	22L0307-26	01072334ECD7.D	01/05/2023	
LDW22-SC804F-FD	22L0307-40	01072352ECD7.D	01/05/2023	
LDW22-SC804F	22L0307-39	01072351ECD7.D	01/05/2023	
LDW22-SC804E	22L0307-38	01072350ECD7.D	01/05/2023	
LDW22-SC804D	22L0307-37	01112362ECD7.D	01/05/2023	
LDW22-SC804C	22L0307-36	01072348ECD7.D	01/05/2023	
LDW22-SC804B	22L0307-35	01072347ECD7.D	01/05/2023	
LDW22-SC750C	22L0307-23	01072331ECD7.D	01/05/2023	
LDW22-SC750G	22L0307-27	01072335ECD7.D	01/05/2023	
LDW22-IT808B	22L0307-30	01112361ECD7.D	01/05/2023	
LDW22-SC750E	22L0307-25	01072333ECD7.D	01/05/2023	
LDW22-SC750D	22L0307-24	01072332ECD7.D	01/05/2023	
LDW22-IT808F	22L0307-34	01072346ECD7.D	01/05/2023	
LDW22-SC750A	22L0307-21	01072329ECD7.D	01/05/2023	
LDW22-IT808E	22L0307-33	01072343ECD7.D	01/05/2023	
LDW22-IT808C	22L0307-31	01072341ECD7.D	01/05/2023	
LDW22-SC750H	22L0307-28	01072336ECD7.D	01/05/2023	
LDW22-IT808A	22L0307-29	01072337ECD7.D	01/05/2023	
Blank	BKL0582-BLK1	01072325ECD7.D	01/05/2023	
LCS	BKL0582-BS1	01072326ECD7.D	01/05/2023	
LCS Dup	BKL0582-BSD1	01072327ECD7.D	01/05/2023	
Matrix Spike	BKL0582-MS1	01072344ECD7.D	01/05/2023	
Matrix Spike Dup	BKL0582-MSD1	01072345ECD7.D	01/05/2023	
Reference	BKL0582-SRM1	01072328ECD7.D	01/05/2023	
LDW22-IT808D	22L0307-32	01072342ECD7.D	01/05/2023	

Analytical Resources, LLC
Analytical Chemists and Consultants

CLEANUP BENCH SHEET

CLA0048

Matrix: Solid **Cleanup using: Organics - EPA 3665 Sulfuric Acid Cleanup - uL** **Printed: 1/5/2023 3:44:01PM**

Lab Number	Sample Container	Sample Name	Extract Container	Initial (uL)	Final (uL)	Analysis	Clean Up Date	Cleaned By	Cleanup Comments
22L0307-21	B	LDW22-SC750A	B 01	2.5	2.5	8082A PCB Solid 4	1/5/2023	ZH	
22L0307-22	B	LDW22-SC750B	B 01	2.5	2.5	8082A PCB Solid 4	1/5/2023	ZH	
22L0307-23	B	LDW22-SC750C	B 01	2.5	2.5	8082A PCB Solid 4	1/5/2023	ZH	
22L0307-24	B	LDW22-SC750D	B 01	2.5	2.5	8082A PCB Solid 4	1/5/2023	ZH	
22L0307-25	B	LDW22-SC750E	B 01	2.5	2.5	8082A PCB Solid 4	1/5/2023	ZH	
22L0307-26	B	LDW22-SC750F	B 01	2.5	2.5	8082A PCB Solid 4	1/5/2023	ZH	
22L0307-27	B	LDW22-SC750G	B 01	2.5	2.5	8082A PCB Solid 4	1/5/2023	ZH	
22L0307-28	B	LDW22-SC750H	B 01	2.5	2.5	8082A PCB Solid 4	1/5/2023	ZH	
22L0307-29	C	LDW22-IT808A	C 01	2.5	2.5	8082A PCB Solid 4	1/5/2023	ZH	
22L0307-30	C	LDW22-IT808B	C 01	2.5	2.5	8082A PCB Solid 4	1/5/2023	ZH	
22L0307-31	C	LDW22-IT808C	C 01	2.5	2.5	8082A PCB Solid 4	1/5/2023	ZH	
22L0307-32	C	LDW22-IT808D	C 01	2.5	2.5	8082A PCB Solid 4	1/5/2023	ZH	
22L0307-33	C	LDW22-IT808E	C 01	2.5	2.5	8082A PCB Solid 4	1/5/2023	ZH	
22L0307-34	C	LDW22-IT808F	C 01	2.5	2.5	8082A PCB Solid 4	1/5/2023	ZH	
22L0307-35	B	LDW22-SC804B	B 01	2.5	2.5	8082A PCB Solid 4	1/5/2023	ZH	
22L0307-36	B	LDW22-SC804C	B 01	2.5	2.5	8082A PCB Solid 4	1/5/2023	ZH	
22L0307-37	B	LDW22-SC804D	B 01	2.5	2.5	8082A PCB Solid 4	1/5/2023	ZH	
22L0307-38	B	LDW22-SC804E	B 01	2.5	2.5	8082A PCB Solid 4	1/5/2023	ZH	
22L0307-39	B	LDW22-SC804F	B 01	2.5	2.5	8082A PCB Solid 4	1/5/2023	ZH	
22L0307-40	B	LDW22-SC804F-FD	B 01	2.5	2.5	8082A PCB Solid 4	1/5/2023	ZH	
BKL0582-BLK1	-	Blank	-	2.5	2.5	-	1/5/2023	ZH	
BKL0582-BS1	-	LCS	-	2.5	2.5	-	1/5/2023	ZH	

CLEANUP BENCH SHEET

CLA0048

Matrix: Solid **Cleanup using: Organics - EPA 3665 Sulfuric Acid Cleanup - uL** **Printed: 1/5/2023 3:44:01PM**

Lab Number	Sample Container	Sample Name	Extract Container	Initial (uL)	Final (uL)	Analysis	Clean Up Date	Cleaned By	Cleanup Comments
BKL0582-BSD1	-	LCS Dup	-	2.5	2.5	-	1/5/2023	ZH	
BKL0582-MS1	-	Matrix Spike	-	2.5	2.5	-	1/5/2023	ZH	
BKL0582-MSD1	-	Matrix Spike Dup	-	2.5	2.5	-	1/5/2023	ZH	
BKL0582-SRM1	-	Reference	-	2.5	2.5	-	1/5/2023	ZH	

CLEANUP BATCH SUMMARY

Laboratory:	Analytical Resources, LLC	SDG:	22L0307
Client:	Anchor QEA, LLC	Project:	AOC4 UR Phase 3
Cleanup Batch:	CLA0049	Cleanup Type:	Sulfur
Cleanup Method:	EPA 3660B Sulfur Cleanup - uL	Analysis:	EPA 8082A

SAMPLE NAME	LAB SAMPLE ID	LAB FILE ID	DATE PREPARED	OBSERVATIONS
LDW22-IT808E	22L0307-33	01072343ECD7.D	01/05/2023	
LDW22-SC750G	22L0307-27	01072335ECD7.D	01/05/2023	
LDW22-SC750C	22L0307-23	01072331ECD7.D	01/05/2023	
LDW22-SC750H	22L0307-28	01072336ECD7.D	01/05/2023	
LDW22-IT808D	22L0307-32	01072342ECD7.D	01/05/2023	
LDW22-SC804B	22L0307-35	01072347ECD7.D	01/05/2023	
LDW22-SC750B	22L0307-22	01072330ECD7.D	01/05/2023	
LDW22-SC804C	22L0307-36	01072348ECD7.D	01/05/2023	
LDW22-SC750A	22L0307-21	01072329ECD7.D	01/05/2023	
LDW22-SC804D	22L0307-37	01112362ECD7.D	01/05/2023	
LDW22-SC804E	22L0307-38	01072350ECD7.D	01/05/2023	
LDW22-SC750F	22L0307-26	01072334ECD7.D	01/05/2023	
LDW22-IT808F	22L0307-34	01072346ECD7.D	01/05/2023	
Matrix Spike	BKL0582-MS1	01072344ECD7.D	01/05/2023	
LDW22-SC750D	22L0307-24	01072332ECD7.D	01/05/2023	
LCS	BKL0582-BS1	01072326ECD7.D	01/05/2023	
LDW22-IT808C	22L0307-31	01072341ECD7.D	01/05/2023	
LDW22-SC750E	22L0307-25	01072333ECD7.D	01/05/2023	
Matrix Spike Dup	BKL0582-MSD1	01072345ECD7.D	01/05/2023	
LCS Dup	BKL0582-BSD1	01072327ECD7.D	01/05/2023	
Reference	BKL0582-SRM1	01072328ECD7.D	01/05/2023	
Blank	BKL0582-BLK1	01072325ECD7.D	01/05/2023	
LDW22-SC804F	22L0307-39	01072351ECD7.D	01/05/2023	
LDW22-IT808A	22L0307-29	01072337ECD7.D	01/05/2023	
LDW22-IT808B	22L0307-30	01112361ECD7.D	01/05/2023	
LDW22-SC804F-FD	22L0307-40	01072352ECD7.D	01/05/2023	

CLEANUP BENCH SHEET

CLA0049

Matrix: Solid **Cleanup using: Organics - EPA 3660B Sulfur Cleanup - uL** **Printed: 1/5/2023 3:45:07PM**

Lab Number	Sample Container	Sample Name	Extract Container	Initial (uL)	Final (uL)	Analysis	Clean Up Date	Cleaned By	Cleanup Comments
22L0307-21	B	LDW22-SC750A	B 01	2.5	2.5	8082A PCB Solid 4	1/5/2023	ZH	
22L0307-22	B	LDW22-SC750B	B 01	2.5	2.5	8082A PCB Solid 4	1/5/2023	ZH	
22L0307-23	B	LDW22-SC750C	B 01	2.5	2.5	8082A PCB Solid 4	1/5/2023	ZH	
22L0307-24	B	LDW22-SC750D	B 01	2.5	2.5	8082A PCB Solid 4	1/5/2023	ZH	
22L0307-25	B	LDW22-SC750E	B 01	2.5	2.5	8082A PCB Solid 4	1/5/2023	ZH	
22L0307-26	B	LDW22-SC750F	B 01	2.5	2.5	8082A PCB Solid 4	1/5/2023	ZH	
22L0307-27	B	LDW22-SC750G	B 01	2.5	2.5	8082A PCB Solid 4	1/5/2023	ZH	
22L0307-28	B	LDW22-SC750H	B 01	2.5	2.5	8082A PCB Solid 4	1/5/2023	ZH	
22L0307-29	C	LDW22-IT808A	C 01	2.5	2.5	8082A PCB Solid 4	1/5/2023	ZH	
22L0307-30	C	LDW22-IT808B	C 01	2.5	2.5	8082A PCB Solid 4	1/5/2023	ZH	
22L0307-31	C	LDW22-IT808C	C 01	2.5	2.5	8082A PCB Solid 4	1/5/2023	ZH	
22L0307-32	C	LDW22-IT808D	C 01	2.5	2.5	8082A PCB Solid 4	1/5/2023	ZH	
22L0307-33	C	LDW22-IT808E	C 01	2.5	2.5	8082A PCB Solid 4	1/5/2023	ZH	
22L0307-34	C	LDW22-IT808F	C 01	2.5	2.5	8082A PCB Solid 4	1/5/2023	ZH	
22L0307-35	B	LDW22-SC804B	B 01	2.5	2.5	8082A PCB Solid 4	1/5/2023	ZH	
22L0307-36	B	LDW22-SC804C	B 01	2.5	2.5	8082A PCB Solid 4	1/5/2023	ZH	
22L0307-37	B	LDW22-SC804D	B 01	2.5	2.5	8082A PCB Solid 4	1/5/2023	ZH	
22L0307-38	B	LDW22-SC804E	B 01	2.5	2.5	8082A PCB Solid 4	1/5/2023	ZH	
22L0307-39	B	LDW22-SC804F	B 01	2.5	2.5	8082A PCB Solid 4	1/5/2023	ZH	
22L0307-40	B	LDW22-SC804F-FD	B 01	2.5	2.5	8082A PCB Solid 4	1/5/2023	ZH	
BKL0582-BLK1	-	Blank	-	2.5	2.5	-	1/5/2023	ZH	
BKL0582-BS1	-	LCS	-	2.5	2.5	-	1/5/2023	ZH	

CLEANUP BENCH SHEET

CLA0049

Matrix: Solid **Cleanup using: Organics - EPA 3660B Sulfur Cleanup - uL** **Printed: 1/5/2023 3:45:07PM**

Lab Number	Sample Container	Sample Name	Extract Container	Initial (uL)	Final (uL)	Analysis	Clean Up Date	Cleaned By	Cleanup Comments
BKL0582-BSD1	-	LCS Dup	-	2.5	2.5	-	1/5/2023	ZH	
BKL0582-MS1	-	Matrix Spike	-	2.5	2.5	-	1/5/2023	ZH	
BKL0582-MSD1	-	Matrix Spike Dup	-	2.5	2.5	-	1/5/2023	ZH	
BKL0582-SRM1	-	Reference	-	2.5	2.5	-	1/5/2023	ZH	

CLEANUP BATCH SUMMARY

Laboratory:	Analytical Resources, LLC	SDG:	22L0307
Client:	Anchor QEA, LLC	Project:	AOC4 UR Phase 3
Cleanup Batch:	CLA0050	Cleanup Type:	Silica Gel
Cleanup Method:	EPA 3630C Silica Gel Cleanup - uL	Analysis:	EPA 8082A

SAMPLE NAME	LAB SAMPLE ID	LAB FILE ID	DATE PREPARED	OBSERVATIONS
LDW22-SC750F	22L0307-26	01072334ECD7.D	01/05/2023	
LDW22-IT808F	22L0307-34	01072346ECD7.D	01/05/2023	
LDW22-SC750D	22L0307-24	01072332ECD7.D	01/05/2023	
LDW22-SC750B	22L0307-22	01072330ECD7.D	01/05/2023	
LDW22-SC750A	22L0307-21	01072329ECD7.D	01/05/2023	
LDW22-IT808E	22L0307-33	01072343ECD7.D	01/05/2023	
LDW22-IT808D	22L0307-32	01072342ECD7.D	01/05/2023	
LDW22-SC750E	22L0307-25	01072333ECD7.D	01/05/2023	
LDW22-IT808B	22L0307-30	01112361ECD7.D	01/05/2023	
LDW22-SC804E	22L0307-38	01072350ECD7.D	01/05/2023	
LDW22-IT808A	22L0307-29	01072337ECD7.D	01/05/2023	
LDW22-SC750C	22L0307-23	01072331ECD7.D	01/05/2023	
LDW22-IT808C	22L0307-31	01072341ECD7.D	01/05/2023	
LDW22-SC804C	22L0307-36	01072348ECD7.D	01/05/2023	
LDW22-SC750G	22L0307-27	01072335ECD7.D	01/05/2023	
LDW22-SC750H	22L0307-28	01072336ECD7.D	01/05/2023	
LDW22-SC804B	22L0307-35	01072347ECD7.D	01/05/2023	
LDW22-SC804D	22L0307-37	01112362ECD7.D	01/05/2023	
LDW22-SC804F	22L0307-39	01072351ECD7.D	01/05/2023	
LDW22-SC804F-FD	22L0307-40	01072352ECD7.D	01/05/2023	
Matrix Spike	BKL0582-MS1	01072344ECD7.D	01/05/2023	
LCS Dup	BKL0582-BSD1	01072327ECD7.D	01/05/2023	
LCS	BKL0582-BS1	01072326ECD7.D	01/05/2023	
Blank	BKL0582-BLK1	01072325ECD7.D	01/05/2023	
Reference	BKL0582-SRM1	01072328ECD7.D	01/05/2023	
Matrix Spike Dup	BKL0582-MSD1	01072345ECD7.D	01/05/2023	

CLEANUP BENCH SHEET

CLA0050

Matrix: Solid **Cleanup using: Organics - EPA 3660C Silica Gel Cleanup - uL** **Printed: 1/5/2023 3:46:38PM**

Lab Number	Sample Container	Sample Name	Extract Container	Initial (uL)	Final (uL)	Analysis	Clean Up Date	Cleaned By	Cleanup Comments
22L0307-21	B	LDW22-SC750A	B 01	2.5	2.5	8082A PCB Solid 4	1/5/2023	ZH	
22L0307-22	B	LDW22-SC750B	B 01	2.5	2.5	8082A PCB Solid 4	1/5/2023	ZH	
22L0307-23	B	LDW22-SC750C	B 01	2.5	2.5	8082A PCB Solid 4	1/5/2023	ZH	
22L0307-24	B	LDW22-SC750D	B 01	2.5	2.5	8082A PCB Solid 4	1/5/2023	ZH	
22L0307-25	B	LDW22-SC750E	B 01	2.5	2.5	8082A PCB Solid 4	1/5/2023	ZH	
22L0307-26	B	LDW22-SC750F	B 01	2.5	2.5	8082A PCB Solid 4	1/5/2023	ZH	
22L0307-27	B	LDW22-SC750G	B 01	2.5	2.5	8082A PCB Solid 4	1/5/2023	ZH	
22L0307-28	B	LDW22-SC750H	B 01	2.5	2.5	8082A PCB Solid 4	1/5/2023	ZH	
22L0307-29	C	LDW22-IT808A	C 01	2.5	2.5	8082A PCB Solid 4	1/5/2023	ZH	
22L0307-30	C	LDW22-IT808B	C 01	2.5	2.5	8082A PCB Solid 4	1/5/2023	ZH	
22L0307-31	C	LDW22-IT808C	C 01	2.5	2.5	8082A PCB Solid 4	1/5/2023	ZH	
22L0307-32	C	LDW22-IT808D	C 01	2.5	2.5	8082A PCB Solid 4	1/5/2023	ZH	
22L0307-33	C	LDW22-IT808E	C 01	2.5	2.5	8082A PCB Solid 4	1/5/2023	ZH	
22L0307-34	C	LDW22-IT808F	C 01	2.5	2.5	8082A PCB Solid 4	1/5/2023	ZH	
22L0307-35	B	LDW22-SC804B	B 01	2.5	2.5	8082A PCB Solid 4	1/5/2023	ZH	
22L0307-36	B	LDW22-SC804C	B 01	2.5	2.5	8082A PCB Solid 4	1/5/2023	ZH	
22L0307-37	B	LDW22-SC804D	B 01	2.5	2.5	8082A PCB Solid 4	1/5/2023	ZH	
22L0307-38	B	LDW22-SC804E	B 01	2.5	2.5	8082A PCB Solid 4	1/5/2023	ZH	
22L0307-39	B	LDW22-SC804F	B 01	2.5	2.5	8082A PCB Solid 4	1/5/2023	ZH	
22L0307-40	B	LDW22-SC804F-FD	B 01	2.5	2.5	8082A PCB Solid 4	1/5/2023	ZH	
BKL0582-BLK1	-	Blank	-	2.5	2.5	-	1/5/2023	ZH	
BKL0582-BS1	-	LCS	-	2.5	2.5	-	1/5/2023	ZH	

CLEANUP BENCH SHEET

CLA0050

Matrix: Solid **Cleanup using: Organics - EPA 3660C Silica Gel Cleanup - uL** **Printed: 1/5/2023 3:46:38PM**

Lab Number	Sample Container	Sample Name	Extract Container	Initial (uL)	Final (uL)	Analysis	Clean Up Date	Cleaned By	Cleanup Comments
BKL0582-BSD1	-	LCS Dup	-	2.5	2.5	-	1/5/2023	ZH	
BKL0582-MS1	-	Matrix Spike	-	2.5	2.5	-	1/5/2023	ZH	
BKL0582-MSD1	-	Matrix Spike Dup	-	2.5	2.5	-	1/5/2023	ZH	
BKL0582-SRM1	-	Reference	-	2.5	2.5	-	1/5/2023	ZH	

CLEANUP BATCH SUMMARY

Laboratory:	Analytical Resources, LLC	SDG:	22L0307
Client:	Anchor QEA, LLC	Project:	AOC4 UR Phase 3
Cleanup Batch:	CLA0055	Cleanup Type:	Sulfuric Acid
Cleanup Method:	EPA 3665 Sulfuric Acid Cleanup - uL	Analysis:	EPA 8082A

SAMPLE NAME	LAB SAMPLE ID	LAB FILE ID	DATE PREPARED	OBSERVATIONS
LDW22-SC752D	22L0307-46	01092313ECD7.D	01/06/2023	
LDW22-SC800H	22L0307-59	01092330ECD7.D	01/06/2023	
LDW22-SC752A	22L0307-43	01092310ECD7.D	01/06/2023	
Reference	BKL0583-SRM1	01092307ECD7.D	01/06/2023	
Matrix Spike Dup	BKL0583-MSD1	01092321ECD7.D	01/06/2023	
Matrix Spike	BKL0583-MS1	01092320ECD7.D	01/06/2023	
LCS Dup	BKL0583-BSD1	01092306ECD7.D	01/06/2023	
LCS	BKL0583-BS1	01092305ECD7.D	01/06/2023	
Blank	BKL0583-BLK1	01092304ECD7.D	01/06/2023	
LDW22-SC804G	22L0307-41	01092308ECD7.D	01/06/2023	
LDW22-SC800G	22L0307-58	01092329ECD7.D	01/06/2023	
LDW22-SC800E	22L0307-56	01092327ECD7.D	01/06/2023	
LDW22-SC800C	22L0307-54	01092325ECD7.D	01/06/2023	
LDW22-SC752B-FD	22L0307-51	01092322ECD7.D	01/06/2023	
LDW22-SC752B	22L0307-44	01092311ECD7.D	01/06/2023	
LDW22-SC804H	22L0307-42	01092309ECD7.D	01/06/2023	
LDW22-SC752C	22L0307-45	01092312ECD7.D	01/06/2023	
LDW22-SC800D	22L0307-55	01092326ECD7.D	01/06/2023	
LDW22-SC752E	22L0307-47	01092314ECD7.D	01/06/2023	
LDW22-SC752F	22L0307-48	01092315ECD7.D	01/06/2023	
LDW22-SC752H	22L0307-50	01092317ECD7.D	01/06/2023	
LDW22-SC783B	22L0307-60	01102324ECD7.D	01/06/2023	
LDW22-SC800A	22L0307-52	01092323ECD7.D	01/06/2023	
LDW22-SC752G	22L0307-49	01092316ECD7.D	01/06/2023	
LDW22-SC800B	22L0307-53	01092324ECD7.D	01/06/2023	
LDW22-SC800F	22L0307-57	01102323ECD7.D	01/06/2023	

CLEANUP BENCH SHEET

CLA0055

Matrix: Solid **Cleanup using: Organics - EPA 3665 Sulfuric Acid Cleanup - uL** **Printed: 1/6/2023 8:03:37AM**

Lab Number	Sample Container	Sample Name	Extract Container	Initial (uL)	Final (uL)	Analysis	Clean Up Date	Cleaned By	Cleanup Comments
22L0307-41	B	LDW22-SC804G	B 01	2.5	2.5	8082A PCB Solid 4	1/6/2023	DDM	
22L0307-42	B	LDW22-SC804H	B 01	2.5	2.5	8082A PCB Solid 4	1/6/2023	DDM	
22L0307-43	B	LDW22-SC752A	B 01	2.5	2.5	8082A PCB Solid 4	1/6/2023	DDM	
22L0307-44	B	LDW22-SC752B	B 01	2.5	2.5	8082A PCB Solid 4	1/6/2023	DDM	
22L0307-45	B	LDW22-SC752C	B 01	2.5	2.5	8082A PCB Solid 4	1/6/2023	DDM	
22L0307-46	B	LDW22-SC752D	B 01	2.5	2.5	8082A PCB Solid 4	1/6/2023	DDM	
22L0307-47	B	LDW22-SC752E	B 01	2.5	2.5	8082A PCB Solid 4	1/6/2023	DDM	
22L0307-48	B	LDW22-SC752F	B 01	2.5	2.5	8082A PCB Solid 4	1/6/2023	DDM	
22L0307-49	B	LDW22-SC752G	B 01	2.5	2.5	8082A PCB Solid 4	1/6/2023	DDM	
22L0307-50	B	LDW22-SC752H	B 01	2.5	2.5	8082A PCB Solid 4	1/6/2023	DDM	
22L0307-51	B	LDW22-SC752B-FD	B 01	2.5	2.5	8082A PCB Solid 4	1/6/2023	DDM	
22L0307-52	B	LDW22-SC800A	B 01	2.5	2.5	8082A PCB Solid 4	1/6/2023	DDM	
22L0307-53	B	LDW22-SC800B	B 01	2.5	2.5	8082A PCB Solid 4	1/6/2023	DDM	
22L0307-54	B	LDW22-SC800C	B 01	2.5	2.5	8082A PCB Solid 4	1/6/2023	DDM	
22L0307-55	B	LDW22-SC800D	B 01	2.5	2.5	8082A PCB Solid 4	1/6/2023	DDM	
22L0307-56	B	LDW22-SC800E	B 01	2.5	2.5	8082A PCB Solid 4	1/6/2023	DDM	
22L0307-57	B	LDW22-SC800F	B 01	2.5	2.5	8082A PCB Solid 4	1/6/2023	DDM	
22L0307-58	B	LDW22-SC800G	B 01	2.5	2.5	8082A PCB Solid 4	1/6/2023	DDM	
22L0307-59	B	LDW22-SC800H	B 01	2.5	2.5	8082A PCB Solid 4	1/6/2023	DDM	
22L0307-60	B	LDW22-SC783B	B 01	2.5	2.5	8082A PCB Solid 4	1/6/2023	DDM	
BKL0583-BLK1	-	Blank	-	2.5	2.5	-	1/6/2023	DDM	
BKL0583-BS1	-	LCS	-	2.5	2.5	-	1/6/2023	DDM	

CLEANUP BENCH SHEET

CLA0055

Matrix: Solid **Cleanup using: Organics - EPA 3665 Sulfuric Acid Cleanup - uL** **Printed: 1/6/2023 8:03:37AM**

Lab Number	Sample Container	Sample Name	Extract Container	Initial (uL)	Final (uL)	Analysis	Clean Up Date	Cleaned By	Cleanup Comments
BKL0583-BSD1	-	LCS Dup	-	2.5	2.5	-	1/6/2023	DDM	
BKL0583-MS1	-	Matrix Spike	-	2.5	2.5	-	1/6/2023	DDM	
BKL0583-MSD1	-	Matrix Spike Dup	-	2.5	2.5	-	1/6/2023	DDM	
BKL0583-SRM1	-	Reference	-	2.5	2.5	-	1/6/2023	DDM	

CLEANUP BATCH SUMMARY

Laboratory:	Analytical Resources, LLC	SDG:	22L0307
Client:	Anchor QEA, LLC	Project:	AOC4 UR Phase 3
Cleanup Batch:	CLA0056	Cleanup Type:	Sulfur
Cleanup Method:	EPA 3660B Sulfur Cleanup - uL	Analysis:	EPA 8082A

SAMPLE NAME	LAB SAMPLE ID	LAB FILE ID	DATE PREPARED	OBSERVATIONS
LDW22-SC752B-FD	22L0307-51	01092322ECD7.D	01/06/2023	
LDW22-SC804G	22L0307-41	01092308ECD7.D	01/06/2023	
LDW22-SC804H	22L0307-42	01092309ECD7.D	01/06/2023	
Reference	BKL0583-SRM1	01092307ECD7.D	01/06/2023	
Matrix Spike Dup	BKL0583-MSD1	01092321ECD7.D	01/06/2023	
LCS Dup	BKL0583-BSD1	01092306ECD7.D	01/06/2023	
Blank	BKL0583-BLK1	01092304ECD7.D	01/06/2023	
LDW22-SC783B	22L0307-60	01102324ECD7.D	01/06/2023	
LDW22-SC800H	22L0307-59	01092330ECD7.D	01/06/2023	
Matrix Spike	BKL0583-MS1	01092320ECD7.D	01/06/2023	
LDW22-SC800A	22L0307-52	01092323ECD7.D	01/06/2023	
LCS	BKL0583-BS1	01092305ECD7.D	01/06/2023	
LDW22-SC752B	22L0307-44	01092311ECD7.D	01/06/2023	
LDW22-SC800F	22L0307-57	01102323ECD7.D	01/06/2023	
LDW22-SC752C	22L0307-45	01092312ECD7.D	01/06/2023	
LDW22-SC752D	22L0307-46	01092313ECD7.D	01/06/2023	
LDW22-SC752E	22L0307-47	01092314ECD7.D	01/06/2023	
LDW22-SC752F	22L0307-48	01092315ECD7.D	01/06/2023	
LDW22-SC752G	22L0307-49	01092316ECD7.D	01/06/2023	
LDW22-SC800B	22L0307-53	01092324ECD7.D	01/06/2023	
LDW22-SC752H	22L0307-50	01092317ECD7.D	01/06/2023	
LDW22-SC800G	22L0307-58	01092329ECD7.D	01/06/2023	
LDW22-SC800C	22L0307-54	01092325ECD7.D	01/06/2023	
LDW22-SC800D	22L0307-55	01092326ECD7.D	01/06/2023	
LDW22-SC800E	22L0307-56	01092327ECD7.D	01/06/2023	
LDW22-SC752A	22L0307-43	01092310ECD7.D	01/06/2023	

CLEANUP BENCH SHEET

CLA0056

Matrix: Solid **Cleanup using: Organics - EPA 3660B Sulfur Cleanup - uL** **Printed: 1/6/2023 8:04:52AM**

Lab Number	Sample Container	Sample Name	Extract Container	Initial (uL)	Final (uL)	Analysis	Clean Up Date	Cleaned By	Cleanup Comments
22L0307-41	B	LDW22-SC804G	B 01	2.5	2.5	8082A PCB Solid 4	1/6/2023	DDM	
22L0307-42	B	LDW22-SC804H	B 01	2.5	2.5	8082A PCB Solid 4	1/6/2023	DDM	
22L0307-43	B	LDW22-SC752A	B 01	2.5	2.5	8082A PCB Solid 4	1/6/2023	DDM	
22L0307-44	B	LDW22-SC752B	B 01	2.5	2.5	8082A PCB Solid 4	1/6/2023	DDM	
22L0307-45	B	LDW22-SC752C	B 01	2.5	2.5	8082A PCB Solid 4	1/6/2023	DDM	
22L0307-46	B	LDW22-SC752D	B 01	2.5	2.5	8082A PCB Solid 4	1/6/2023	DDM	
22L0307-47	B	LDW22-SC752E	B 01	2.5	2.5	8082A PCB Solid 4	1/6/2023	DDM	
22L0307-48	B	LDW22-SC752F	B 01	2.5	2.5	8082A PCB Solid 4	1/6/2023	DDM	
22L0307-49	B	LDW22-SC752G	B 01	2.5	2.5	8082A PCB Solid 4	1/6/2023	DDM	
22L0307-50	B	LDW22-SC752H	B 01	2.5	2.5	8082A PCB Solid 4	1/6/2023	DDM	
22L0307-51	B	LDW22-SC752B-FD	B 01	2.5	2.5	8082A PCB Solid 4	1/6/2023	DDM	
22L0307-52	B	LDW22-SC800A	B 01	2.5	2.5	8082A PCB Solid 4	1/6/2023	DDM	
22L0307-53	B	LDW22-SC800B	B 01	2.5	2.5	8082A PCB Solid 4	1/6/2023	DDM	
22L0307-54	B	LDW22-SC800C	B 01	2.5	2.5	8082A PCB Solid 4	1/6/2023	DDM	
22L0307-55	B	LDW22-SC800D	B 01	2.5	2.5	8082A PCB Solid 4	1/6/2023	DDM	
22L0307-56	B	LDW22-SC800E	B 01	2.5	2.5	8082A PCB Solid 4	1/6/2023	DDM	
22L0307-57	B	LDW22-SC800F	B 01	2.5	2.5	8082A PCB Solid 4	1/6/2023	DDM	
22L0307-58	B	LDW22-SC800G	B 01	2.5	2.5	8082A PCB Solid 4	1/6/2023	DDM	
22L0307-59	B	LDW22-SC800H	B 01	2.5	2.5	8082A PCB Solid 4	1/6/2023	DDM	
22L0307-60	B	LDW22-SC783B	B 01	2.5	2.5	8082A PCB Solid 4	1/6/2023	DDM	
BKL0583-BLK1	-	Blank	-	2.5	2.5	-	1/6/2023	DDM	
BKL0583-BS1	-	LCS	-	2.5	2.5	-	1/6/2023	DDM	

CLEANUP BENCH SHEET

CLA0056

Matrix: Solid **Cleanup using: Organics - EPA 3660B Sulfur Cleanup - uL** **Printed: 1/6/2023 8:04:52AM**

Lab Number	Sample Container	Sample Name	Extract Container	Initial (uL)	Final (uL)	Analysis	Clean Up Date	Cleaned By	Cleanup Comments
BKL0583-BSD1	-	LCS Dup	-	2.5	2.5	-	1/6/2023	DDM	
BKL0583-MS1	-	Matrix Spike	-	2.5	2.5	-	1/6/2023	DDM	
BKL0583-MSD1	-	Matrix Spike Dup	-	2.5	2.5	-	1/6/2023	DDM	
BKL0583-SRM1	-	Reference	-	2.5	2.5	-	1/6/2023	DDM	

CLEANUP BATCH SUMMARY

Laboratory:	Analytical Resources, LLC	SDG:	22L0307
Client:	Anchor QEA, LLC	Project:	AOC4 UR Phase 3
Cleanup Batch:	CLA0057	Cleanup Type:	Silica Gel
Cleanup Method:	EPA 3630C Silica Gel Cleanup - uL	Analysis:	EPA 8082A

SAMPLE NAME	LAB SAMPLE ID	LAB FILE ID	DATE PREPARED	OBSERVATIONS
LDW22-SC800A	22L0307-52	01092323ECD7.D	01/06/2023	
LCS	BKL0583-BS1	01092305ECD7.D	01/06/2023	
LCS Dup	BKL0583-BSD1	01092306ECD7.D	01/06/2023	
Matrix Spike	BKL0583-MS1	01092320ECD7.D	01/06/2023	
Matrix Spike Dup	BKL0583-MSD1	01092321ECD7.D	01/06/2023	
Reference	BKL0583-SRM1	01092307ECD7.D	01/06/2023	
LDW22-SC804G	22L0307-41	01092308ECD7.D	01/06/2023	
LDW22-SC804H	22L0307-42	01092309ECD7.D	01/06/2023	
LDW22-SC800F	22L0307-57	01102323ECD7.D	01/06/2023	
LDW22-SC800E	22L0307-56	01092327ECD7.D	01/06/2023	
LDW22-SC800D	22L0307-55	01092326ECD7.D	01/06/2023	
Blank	BKL0583-BLK1	01092304ECD7.D	01/06/2023	
LDW22-SC800B	22L0307-53	01092324ECD7.D	01/06/2023	
LDW22-SC800H	22L0307-59	01092330ECD7.D	01/06/2023	
LDW22-SC800G	22L0307-58	01092329ECD7.D	01/06/2023	
LDW22-SC752H	22L0307-50	01092317ECD7.D	01/06/2023	
LDW22-SC752G	22L0307-49	01092316ECD7.D	01/06/2023	
LDW22-SC752F	22L0307-48	01092315ECD7.D	01/06/2023	
LDW22-SC752D	22L0307-46	01092313ECD7.D	01/06/2023	
LDW22-SC752C	22L0307-45	01092312ECD7.D	01/06/2023	
LDW22-SC752B-FD	22L0307-51	01092322ECD7.D	01/06/2023	
LDW22-SC752B	22L0307-44	01092311ECD7.D	01/06/2023	
LDW22-SC752A	22L0307-43	01092310ECD7.D	01/06/2023	
LDW22-SC783B	22L0307-60	01102324ECD7.D	01/06/2023	
LDW22-SC752E	22L0307-47	01092314ECD7.D	01/06/2023	
LDW22-SC800C	22L0307-54	01092325ECD7.D	01/06/2023	

CLEANUP BENCH SHEET

CLA0057

Matrix: Solid **Cleanup using: Organics - EPA 3660C Silica Gel Cleanup - uL** **Printed: 1/6/2023 8:06:00AM**

Lab Number	Sample Container	Sample Name	Extract Container	Initial (uL)	Final (uL)	Analysis	Clean Up Date	Cleaned By	Cleanup Comments
22L0307-41	B	LDW22-SC804G	B 01	2.5	2.5	8082A PCB Solid 4	1/6/2023	DDM	
22L0307-42	B	LDW22-SC804H	B 01	2.5	2.5	8082A PCB Solid 4	1/6/2023	DDM	
22L0307-43	B	LDW22-SC752A	B 01	2.5	2.5	8082A PCB Solid 4	1/6/2023	DDM	
22L0307-44	B	LDW22-SC752B	B 01	2.5	2.5	8082A PCB Solid 4	1/6/2023	DDM	
22L0307-45	B	LDW22-SC752C	B 01	2.5	2.5	8082A PCB Solid 4	1/6/2023	DDM	
22L0307-46	B	LDW22-SC752D	B 01	2.5	2.5	8082A PCB Solid 4	1/6/2023	DDM	
22L0307-47	B	LDW22-SC752E	B 01	2.5	2.5	8082A PCB Solid 4	1/6/2023	DDM	
22L0307-48	B	LDW22-SC752F	B 01	2.5	2.5	8082A PCB Solid 4	1/6/2023	DDM	
22L0307-49	B	LDW22-SC752G	B 01	2.5	2.5	8082A PCB Solid 4	1/6/2023	DDM	
22L0307-50	B	LDW22-SC752H	B 01	2.5	2.5	8082A PCB Solid 4	1/6/2023	DDM	
22L0307-51	B	LDW22-SC752B-FD	B 01	2.5	2.5	8082A PCB Solid 4	1/6/2023	DDM	
22L0307-52	B	LDW22-SC800A	B 01	2.5	2.5	8082A PCB Solid 4	1/6/2023	DDM	
22L0307-53	B	LDW22-SC800B	B 01	2.5	2.5	8082A PCB Solid 4	1/6/2023	DDM	
22L0307-54	B	LDW22-SC800C	B 01	2.5	2.5	8082A PCB Solid 4	1/6/2023	DDM	
22L0307-55	B	LDW22-SC800D	B 01	2.5	2.5	8082A PCB Solid 4	1/6/2023	DDM	
22L0307-56	B	LDW22-SC800E	B 01	2.5	2.5	8082A PCB Solid 4	1/6/2023	DDM	
22L0307-57	B	LDW22-SC800F	B 01	2.5	2.5	8082A PCB Solid 4	1/6/2023	DDM	
22L0307-58	B	LDW22-SC800G	B 01	2.5	2.5	8082A PCB Solid 4	1/6/2023	DDM	
22L0307-59	B	LDW22-SC800H	B 01	2.5	2.5	8082A PCB Solid 4	1/6/2023	DDM	
22L0307-60	B	LDW22-SC783B	B 01	2.5	2.5	8082A PCB Solid 4	1/6/2023	DDM	
BKL0583-BLK1	-	Blank	-	2.5	2.5	-	1/6/2023	DDM	
BKL0583-BS1	-	LCS	-	2.5	2.5	-	1/6/2023	DDM	

CLEANUP BENCH SHEET

CLA0057

Matrix: Solid **Cleanup using: Organics - EPA 3660C Silica Gel Cleanup - uL** **Printed: 1/6/2023 8:06:00AM**

Lab Number	Sample Container	Sample Name	Extract Container	Initial (uL)	Final (uL)	Analysis	Clean Up Date	Cleaned By	Cleanup Comments
BKL0583-BSD1	-	LCS Dup	-	2.5	2.5	-	1/6/2023	DDM	
BKL0583-MS1	-	Matrix Spike	-	2.5	2.5	-	1/6/2023	DDM	
BKL0583-MSD1	-	Matrix Spike Dup	-	2.5	2.5	-	1/6/2023	DDM	
BKL0583-SRM1	-	Reference	-	2.5	2.5	-	1/6/2023	DDM	

CLEANUP BATCH SUMMARY

Laboratory:	Analytical Resources, LLC	SDG:	22L0307
Client:	Anchor QEA, LLC	Project:	AOC4 UR Phase 3
Cleanup Batch:	CLA0059	Cleanup Type:	Sulfur
Cleanup Method:	EPA 3660B Sulfur Cleanup - uL	Analysis:	EPA 8082A

SAMPLE NAME	LAB SAMPLE ID	LAB FILE ID	DATE PREPARED	OBSERVATIONS
LDW22-SC783C	22L0307-61	01072365ECD7.D	01/06/2023	
LDW22-SC783H	22L0307-66	01072370ECD7.D	01/06/2023	
LDW22-SC783G	22L0307-65	01072369ECD7.D	01/06/2023	
LDW22-SC783F	22L0307-64	01112364ECD7.D	01/06/2023	
LDW22-SC783E	22L0307-63	01072367ECD7.D	01/06/2023	
LDW22-SC783D	22L0307-62	01112363ECD7.D	01/06/2023	
LCS	BKL0584-BS1	01072361ECD7.D	01/06/2023	
LCS Dup	BKL0584-BSD1	01072362ECD7.D	01/06/2023	
Matrix Spike	BKL0584-MS1	01072371ECD7.D	01/06/2023	
Matrix Spike Dup	BKL0584-MSD1	01072372ECD7.D	01/06/2023	
MRL Check	BKL0584-MRL1	01072363ECD7.D	01/06/2023	
Reference	BKL0584-SRM1	01072364ECD7.D	01/06/2023	
Blank	BKL0584-BLK1	01072360ECD7.D	01/06/2023	

CLEANUP BENCH SHEET

CLA0059

Matrix: Solid **Cleanup using: Organics - EPA 3660B Sulfur Cleanup - uL** **Printed: 1/6/2023 2:03:32PM**

Lab Number	Sample Container	Sample Name	Extract Container	Initial (uL)	Final (uL)	Analysis	Clean Up Date	Cleaned By	Cleanup Comments
22L0307-61	B	LDW22-SC783C	B 01	2.5	2.5	8082A PCB Solid 4	1/6/2023	TWC	
22L0307-62	B	LDW22-SC783D	B 01	2.5	2.5	8082A PCB Solid 4	1/6/2023	TWC	
22L0307-63	B	LDW22-SC783E	B 01	2.5	2.5	8082A PCB Solid 4	1/6/2023	TWC	
22L0307-64	B	LDW22-SC783F	B 01	2.5	2.5	8082A PCB Solid 4	1/6/2023	TWC	
22L0307-65	B	LDW22-SC783G	B 01	2.5	2.5	8082A PCB Solid 4	1/6/2023	TWC	
22L0307-66	B	LDW22-SC783H	B 01	2.5	2.5	8082A PCB Solid 4	1/6/2023	TWC	
BKL0584-BLK1	-	Blank	-	2.5	2.5	-	1/6/2023	TWC	
BKL0584-BS1	-	LCS	-	2.5	2.5	-	1/6/2023	TWC	
BKL0584-BSD1	-	LCS Dup	-	2.5	2.5	-	1/6/2023	TWC	
BKL0584-MRL1	-	MRL Check	-	2.5	2.5	-	1/6/2023	TWC	
BKL0584-MS1	-	Matrix Spike	-	2.5	2.5	-	1/6/2023	TWC	
BKL0584-MSD1	-	Matrix Spike Dup	-	2.5	2.5	-	1/6/2023	TWC	
BKL0584-SRM1	-	Reference	-	2.5	2.5	-	1/6/2023	TWC	

CLEANUP BATCH SUMMARY

Laboratory:	Analytical Resources, LLC	SDG:	22L0307
Client:	Anchor QEA, LLC	Project:	AOC4 UR Phase 3
Cleanup Batch:	CLA0060	Cleanup Type:	Silica Gel
Cleanup Method:	EPA 3630C Silica Gel Cleanup - uL	Analysis:	EPA 8082A

SAMPLE NAME	LAB SAMPLE ID	LAB FILE ID	DATE PREPARED	OBSERVATIONS
LDW22-SC783D	22L0307-62	01112363ECD7.D	01/06/2023	
LDW22-SC783H	22L0307-66	01072370ECD7.D	01/06/2023	
LDW22-SC783G	22L0307-65	01072369ECD7.D	01/06/2023	
LDW22-SC783E	22L0307-63	01072367ECD7.D	01/06/2023	
LDW22-SC783C	22L0307-61	01072365ECD7.D	01/06/2023	
LDW22-SC783F	22L0307-64	01112364ECD7.D	01/06/2023	
LCS	BKL0584-BS1	01072361ECD7.D	01/06/2023	
LCS Dup	BKL0584-BSD1	01072362ECD7.D	01/06/2023	
Matrix Spike	BKL0584-MS1	01072371ECD7.D	01/06/2023	
Matrix Spike Dup	BKL0584-MSD1	01072372ECD7.D	01/06/2023	
MRL Check	BKL0584-MRL1	01072363ECD7.D	01/06/2023	
Reference	BKL0584-SRM1	01072364ECD7.D	01/06/2023	
Blank	BKL0584-BLK1	01072360ECD7.D	01/06/2023	

Analytical Resources, LLC
Analytical Chemists and Consultants

CLEANUP BENCH SHEET

CLA0060

Matrix: Solid **Cleanup using: Organics - EPA 3660C Silica Gel Cleanup - uL** **Printed: 1/6/2023 2:04:29PM**

Lab Number	Sample Container	Sample Name	Extract Container	Initial (uL)	Final (uL)	Analysis	Clean Up Date	Cleaned By	Cleanup Comments
22L0307-61	B	LDW22-SC783C	B 01	2.5	2.5	8082A PCB Solid 4	1/6/2023	TWC	
22L0307-62	B	LDW22-SC783D	B 01	2.5	2.5	8082A PCB Solid 4	1/6/2023	TWC	
22L0307-63	B	LDW22-SC783E	B 01	2.5	2.5	8082A PCB Solid 4	1/6/2023	TWC	
22L0307-64	B	LDW22-SC783F	B 01	2.5	2.5	8082A PCB Solid 4	1/6/2023	TWC	
22L0307-65	B	LDW22-SC783G	B 01	2.5	2.5	8082A PCB Solid 4	1/6/2023	TWC	
22L0307-66	B	LDW22-SC783H	B 01	2.5	2.5	8082A PCB Solid 4	1/6/2023	TWC	
BKL0584-BLK1	-	Blank	-	2.5	2.5	-	1/6/2023	TWC	
BKL0584-BS1	-	LCS	-	2.5	2.5	-	1/6/2023	TWC	
BKL0584-BSD1	-	LCS Dup	-	2.5	2.5	-	1/6/2023	TWC	
BKL0584-MRL1	-	MRL Check	-	2.5	2.5	-	1/6/2023	TWC	
BKL0584-MS1	-	Matrix Spike	-	2.5	2.5	-	1/6/2023	TWC	
BKL0584-MSD1	-	Matrix Spike Dup	-	2.5	2.5	-	1/6/2023	TWC	
BKL0584-SRM1	-	Reference	-	2.5	2.5	-	1/6/2023	TWC	

CLEANUP BATCH SUMMARY

Laboratory:	Analytical Resources, LLC	SDG:	22L0307
Client:	Anchor QEA, LLC	Project:	AOC4 UR Phase 3
Cleanup Batch:	CLA0061	Cleanup Type:	Sulfuric Acid
Cleanup Method:	EPA 3665 Sulfuric Acid Cleanup - uL	Analysis:	EPA 8082A

SAMPLE NAME	LAB SAMPLE ID	LAB FILE ID	DATE PREPARED	OBSERVATIONS
MRL Check	BKL0584-MRL1	01072363ECD7.D	01/06/2023	
Matrix Spike Dup	BKL0584-MSD1	01072372ECD7.D	01/06/2023	
Matrix Spike	BKL0584-MS1	01072371ECD7.D	01/06/2023	
LCS Dup	BKL0584-BSD1	01072362ECD7.D	01/06/2023	
LCS	BKL0584-BS1	01072361ECD7.D	01/06/2023	
Blank	BKL0584-BLK1	01072360ECD7.D	01/06/2023	
LDW22-SC783D	22L0307-62	01112363ECD7.D	01/06/2023	
LDW22-SC783H	22L0307-66	01072370ECD7.D	01/06/2023	
LDW22-SC783E	22L0307-63	01072367ECD7.D	01/06/2023	
LDW22-SC783C	22L0307-61	01072365ECD7.D	01/06/2023	
LDW22-SC783G	22L0307-65	01072369ECD7.D	01/06/2023	
Reference	BKL0584-SRM1	01072364ECD7.D	01/06/2023	
LDW22-SC783F	22L0307-64	01112364ECD7.D	01/06/2023	

Analytical Resources, LLC
Analytical Chemists and Consultants

CLEANUP BENCH SHEET

CLA0061

Matrix: Solid **Cleanup using: Organics - EPA 3665 Sulfuric Acid Cleanup - uL** **Printed: 1/6/2023 2:05:17PM**

Lab Number	Sample Container	Sample Name	Extract Container	Initial (uL)	Final (uL)	Analysis	Clean Up Date	Cleaned By	Cleanup Comments
22L0307-61	B	LDW22-SC783C	B 01	2.5	2.5	8082A PCB Solid 4	1/6/2023	TWC	
22L0307-62	B	LDW22-SC783D	B 01	2.5	2.5	8082A PCB Solid 4	1/6/2023	TWC	
22L0307-63	B	LDW22-SC783E	B 01	2.5	2.5	8082A PCB Solid 4	1/6/2023	TWC	
22L0307-64	B	LDW22-SC783F	B 01	2.5	2.5	8082A PCB Solid 4	1/6/2023	TWC	
22L0307-65	B	LDW22-SC783G	B 01	2.5	2.5	8082A PCB Solid 4	1/6/2023	TWC	
22L0307-66	B	LDW22-SC783H	B 01	2.5	2.5	8082A PCB Solid 4	1/6/2023	TWC	
BKL0584-BLK1	-	Blank	-	2.5	2.5	-	1/6/2023	TWC	
BKL0584-BS1	-	LCS	-	2.5	2.5	-	1/6/2023	TWC	
BKL0584-BSD1	-	LCS Dup	-	2.5	2.5	-	1/6/2023	TWC	
BKL0584-MRL1	-	MRL Check	-	2.5	2.5	-	1/6/2023	TWC	
BKL0584-MS1	-	Matrix Spike	-	2.5	2.5	-	1/6/2023	TWC	
BKL0584-MSD1	-	Matrix Spike Dup	-	2.5	2.5	-	1/6/2023	TWC	
BKL0584-SRM1	-	Reference	-	2.5	2.5	-	1/6/2023	TWC	

Form I

METHOD BLANK DATA SHEET

EPA 8082A

Blank

Laboratory:	Analytical Resources, LLC			SDG:	22L0307
Client:	Anchor QEA, LLC			Project:	AOC4 UR Phase 3
Matrix:	Solid	Laboratory ID:	BKL0581-BLK1	File ID:	12312222ECD7.D
Sampled:	N/A	Prepared:	12/27/22 14:11	Analyzed:	12/31/22 17:32
Solids:		Preparation:	EPA 3546 (Microwave)	Initial/Final:	12.5 g / 2.5 mL
Batch:	BKL0581	Sequence:	SLA0071	Calibration:	FL00010
Instrument:	ECD7	Column:	ZB5	Cleanups:	Silica Gel, Sulfur, Sulfuric Acid

CAS NO.	COMPOUND	DILUTION	CONC: (ug/kg wet)	Q	DL	RL
12674-11-2	Aroclor 1016	1	4.0	U	1.6	4.0
11104-28-2	Aroclor 1221	1	4.0	U	1.6	4.0
11141-16-5	Aroclor 1232	1	4.0	U	1.6	4.0
53469-21-9	Aroclor 1242	1	4.0	U	1.6	4.0
12672-29-6	Aroclor 1248	1	4.0	U	1.6	4.0
11097-69-1	Aroclor 1254	1	4.0	U	1.6	4.0
11096-82-5	Aroclor 1260	1	4.0	U	0.6	4.0

SURROGATES	ADDED: (ug/kg wet)	FOUND: (ug/kg wet)	% REC	QC LIMITS	Q
Decachlorobiphenyl	8.0000	8.30	104	40 - 126	
Tetrachlorometaxylene	8.0000	6.63	82.8	44 - 120	
Decachlorobiphenyl [2C]	8.0000	7.97	99.7	40 - 126	
Tetrachlorometaxylene [2C]	8.0000	6.33	79.1	44 - 120	

[2C] indicates second-column analyte, present if quantification on any batch samples used second column data.

```
                                  Analytical Resources Inc.
                             Dual Column 608/8082 PCB Quantitation Report

 Data file 1: /221231.b/12312222ECD7.D                        ARI ID: BKL0581-BLK1
 Data file 2: /221231.b/221231.b/12312222ECD7.D               Client ID:
 Method: \\target\share\chem4\ecd7.i\221231.b\PCB.m           Injection Date: 31-DEC-2022 17:32
 Compound Sublist: PCB.sub                                    Report Date: 01/05/2023 17:03
 Instrument, Inj. Vol.: ecd7.i, 2ul                           Matrix: NONE
 Quant Method: Internal Std                                   Dilution Factor:  1.0



                                     SURROGATES

        ZB5 Col         |       ZB35 Col         |   ZB5    ZB35
   RT    Shift Response | RT    Shift  Response  |  on col  on col    RPD   Compound/Flag
 ==========================================================================================

  5.832  0.000   228599 | 5.709  -0.002   144492|   33.1    31.6      4.6    Tetrachloro-m-xylene
 13.903  0.002   353581 |14.128  -0.002   294459|   41.5    39.9      4.1    Decachlorobiphenyl


*  Indicates RPD > 40%



                                INTERNAL STANDARD SUMMARY

                                            Column 1
                                     Standard    Sample
                   Standard Cpnd       Area*       Area      %D
               --------------------------------------------------
                 Bromo-Nitrobenzene    447645      486906    8.8
                 Hexabromobiphenyl     798898      928998   16.3

                                            Column 2
                                     Standard    Sample
                   Standard Cpnd       Area*       Area      %D
               --------------------------------------------------
                 Bromo-Nitrobenzene    249094     333120    33.7
                 Hexabromobiphenyl     362541     520174    43.5


                * Standard Areas taken from Initial Cal Level 3
                  Initial Calibration Date: 03-DEC-2022
               <- Indicates standard response outside Limits (-50 to +100%)
```

```
                            ZB5 Col                          ZB35 Col
Aroclor   Peak#    RT    Shift    Area    Amount    Peak#   RT     Shift    Area   Amount
========================================================================================
Aroclor-1016 1      ---                     0.0      1     ---                      0.0
Aroclor-1016 2      ---                     0.0      2     ---                      0.0
Aroclor-1016 3      ---                     0.0      3     ---                      0.0
Aroclor-1016 4      ---                     0.0      4     ---                      0.0
            Col1Ave: <3 Quant Peaks                   Col2Ave: <3 Quant Peaks

Aroclor-1221 1      ---                     0.0      1     ---                      0.0
Aroclor-1221 2      ---                     0.0      2     ---                      0.0
Aroclor-1221 3      ---                     0.0      3     ---                      0.0
            Col1Ave: <3 Quant Peaks                   Col2Ave: <3 Quant Peaks

Aroclor-1232 1      ---                     0.0      1     ---                      0.0
Aroclor-1232 2      ---                     0.0      2     ---                      0.0
Aroclor-1232 3      ---                     0.0      3     ---                      0.0
Aroclor-1232 4      ---                     0.0      4     ---                      0.0
            Col1Ave: <3 Quant Peaks                   Col2Ave: <3 Quant Peaks

Aroclor-1242 1      ---                     0.0      1     ---                      0.0
Aroclor-1242 2      ---                     0.0      2     ---                      0.0
Aroclor-1242 3      ---                     0.0      3     ---                      0.0
Aroclor-1242 4      ---                     0.0      4     ---                      0.0
            Col1Ave: <3 Quant Peaks                   Col2Ave: <3 Quant Peaks

Aroclor-1248 1      ---                     0.0      1     ---                      0.0
Aroclor-1248 2      ---                     0.0      2     ---                      0.0
Aroclor-1248 3      ---                     0.0      3     ---                      0.0
Aroclor-1248 4      ---                     0.0      4     ---                      0.0
            Col1Ave: <3 Quant Peaks                   Col2Ave: <3 Quant Peaks

Aroclor-1254 1      ---                     0.0      1     ---                      0.0
Aroclor-1254 2      ---                     0.0      2     ---                      0.0
Aroclor-1254 3      ---                     0.0      3     ---                      0.0
Aroclor-1254 4      ---                     0.0      4     ---                      0.0
Aroclor-1254 5      ---                     0.0      5     ---                      0.0
            Col1Ave: <3 Quant Peaks                   Col2Ave: <3 Quant Peaks

Aroclor-1260 1      ---                     0.0      1     ---                      0.0
Aroclor-1260 2      ---                     0.0      2     ---                      0.0
Aroclor-1260 3      ---                     0.0      3     ---                      0.0
Aroclor-1260 4      ---                     0.0      4     ---                      0.0
Aroclor-1260 5      ---                     0.0      NS    ---                     ----
            Col1Ave: <3 Quant Peaks                   Col2Ave: <3 Quant Peaks

Aroclor-1262 1      ---                     0.0      1     ---                      0.0
Aroclor-1262 2      ---                     0.0      2     ---                      0.0
Aroclor-1262 3      ---                     0.0      3     ---                      0.0
Aroclor-1262 4      ---                     0.0      4     ---                      0.0
            Col1Ave: <3 Quant Peaks                   Col2Ave: <3 Quant Peaks

Aroclor-1268 1      ---                     0.0      1     ---                      0.0
Aroclor-1268 2      ---                     0.0      2     ---                      0.0
Aroclor-1268 3      ---                     0.0      3     ---                      0.0
Aroclor-1268 4      ---                     0.0      4     ---                      0.0
            Col1Ave: <3 Quant Peaks                   Col2Ave: <3 Quant Peaks




Total PCB Area Col1 (5.932 - 13.801) =      35955     Col1 Total PCB = 0.0 ppm*
```

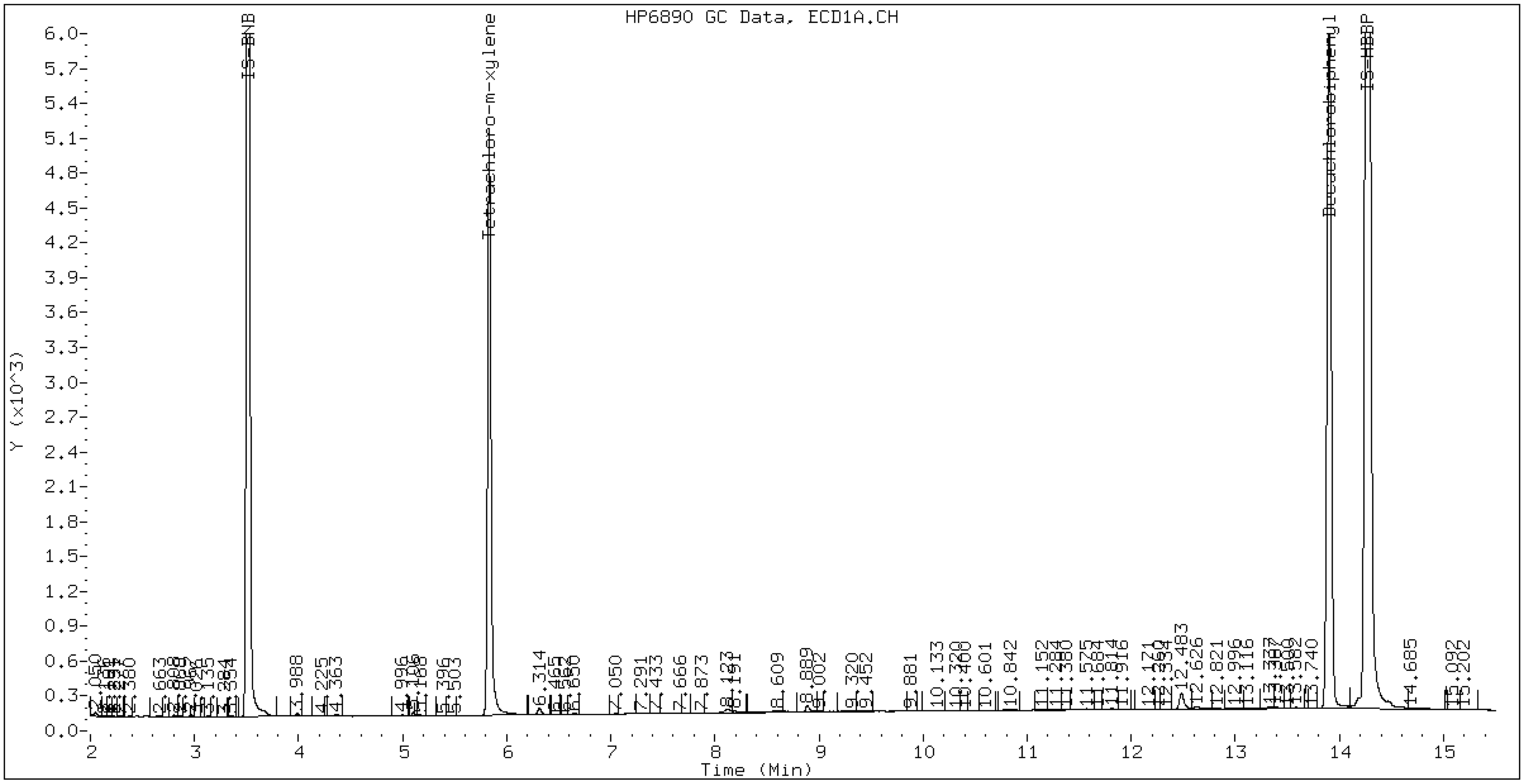
```
Total PCB Area Col2 (5.810 - 14.030) =      16500     Col2 Total PCB = 0.0 ppm*

  *  Quantitated against AR1660 0.25ppm in Ical

                                    PCB-Form 10 Mod.
```

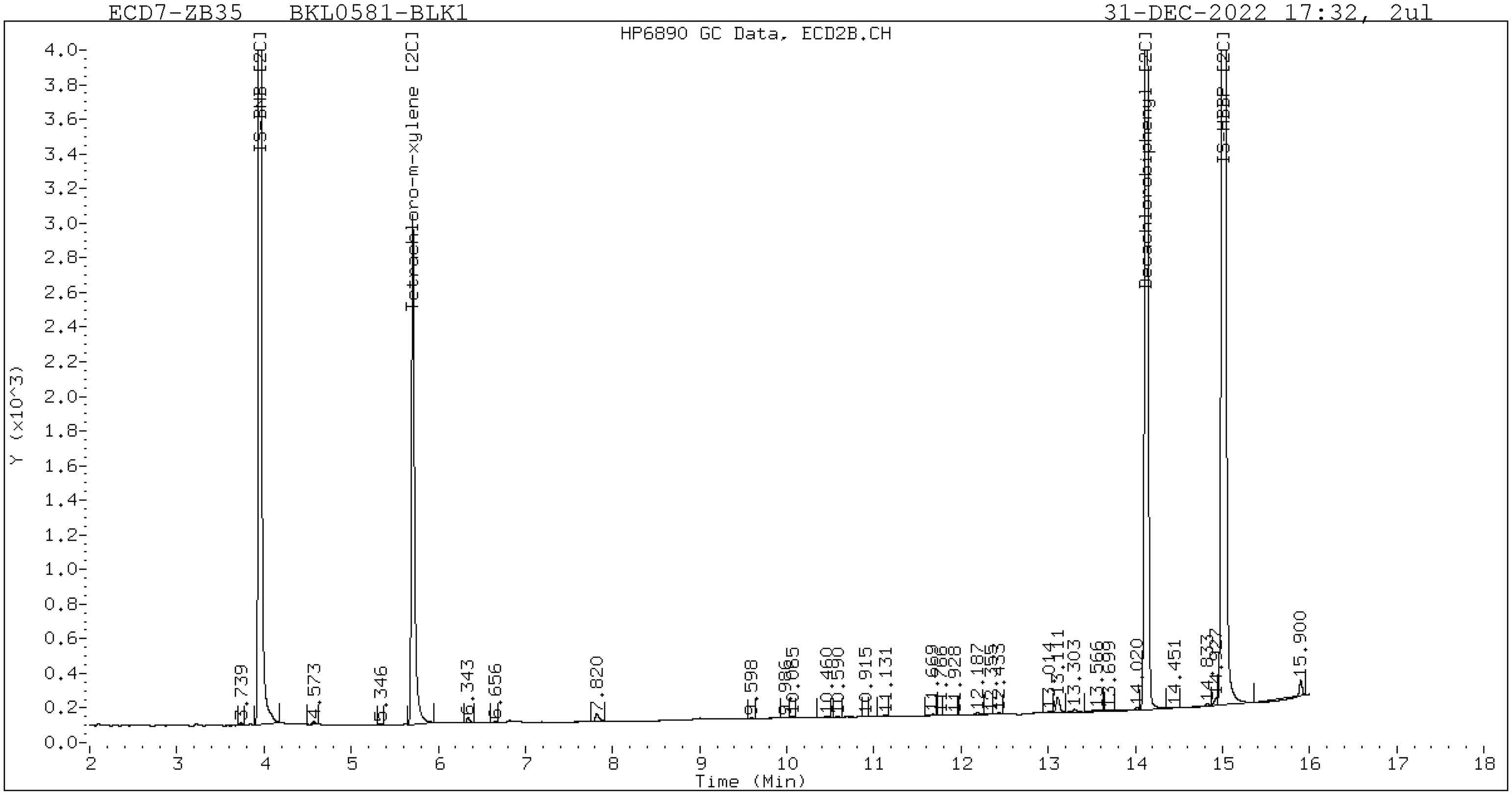
PCB Dual Column Chromatograms

ECD7-ZB5 BKL0581-BLK1 31-DEC-2022 17:32, 2ul



ZB-5 Manual Integration: NO

ECD7-ZB35 BKL0581-BLK1 31-DEC-2022 17:32, 2ul



ZB-35 Manual Integration: NO

Form I
METHOD BLANK DATA SHEET
EPA 8082A

Blank

Laboratory:	Analytical Resources, LLC			SDG:	22L0307
Client:	Anchor QEA, LLC			Project:	AOC4 UR Phase 3
Matrix:	Solid	Laboratory ID:	BKL0582-BLK1	File ID:	01072325ECD7.D
Sampled:	N/A	Prepared:	12/28/22 14:11	Analyzed:	01/07/23 18:03
Solids:		Preparation:	EPA 3546 (Microwave)	Initial/Final:	12.5 g / 2.5 mL
Batch:	BKL0582	Sequence:	SLA0099	Calibration:	FL00010
Instrument:	ECD7	Column:	ZB5	Cleanups:	Silica Gel, Sulfur, Sulfuric Acid

CAS NO.	COMPOUND	DILUTION	CONC: (ug/kg wet)	Q	DL	RL
12674-11-2	Aroclor 1016	1	4.0	U	1.6	4.0
11104-28-2	Aroclor 1221	1	4.0	U	1.6	4.0
11141-16-5	Aroclor 1232	1	4.0	U	1.6	4.0
53469-21-9	Aroclor 1242	1	4.0	U	1.6	4.0
12672-29-6	Aroclor 1248	1	4.0	U	1.6	4.0
11097-69-1	Aroclor 1254	1	4.0	U	1.6	4.0
11096-82-5	Aroclor 1260	1	4.0	U	0.6	4.0

SURROGATES	ADDED: (ug/kg wet)	FOUND: (ug/kg wet)	% REC	QC LIMITS	Q
Decachlorobiphenyl	8.0000	7.93	99.2	40 - 126	
Tetrachlorometaxylene	8.0000	6.09	76.2	44 - 120	
Decachlorobiphenyl [2C]	8.0000	7.74	96.8	40 - 126	
Tetrachlorometaxylene [2C]	8.0000	5.85	73.1	44 - 120	

[2C] indicates second-column analyte, present if quantification on any batch samples used second column data.

```
                              Analytical Resources Inc.
                         Dual Column 608/8082 PCB Quantitation Report

Data file 1: /230107.b/01072325ECD7.D                   ARI ID: BKL0582-BLK1
Data file 2: /230107.b/230107.b/01072325ECD7.D          Client ID:
Method: \\target\share\chem4\ecd7.i\230107.b\PCB.m      Injection Date: 07-JAN-2023 18:03
Compound Sublist: PCB.sub                               Report Date: 01/11/2023 15:12
Instrument, Inj. Vol.: ecd7.i, 2ul                      Matrix: NONE
Quant Method: Internal Std                              Dilution Factor:  1.0



                                 SURROGATES

       ZB5 Col         |       ZB35 Col         |   ZB5    ZB35
  RT    Shift Response | RT    Shift  Response  |  on col  on col    RPD   Compound/Flag
===========================================================================================

 5.829 -0.004   201886 | 5.706  -0.003   135241|   30.5    29.2      4.1    Tetrachloro-m-xylene
13.901 -0.003   373024 |14.126  -0.002   319386|   39.7    38.7      2.4    Decachlorobiphenyl


*  Indicates RPD > 40%



                            INTERNAL STANDARD SUMMARY

                                        Column 1
                                 Standard    Sample
                Standard Cpnd      Area*       Area      %D
            --------------------------------------------------
              Bromo-Nitrobenzene    447645      467661    4.5
              Hexabromobiphenyl     798898     1025982   28.4

                                        Column 2
                                 Standard    Sample
                Standard Cpnd      Area*       Area      %D
            --------------------------------------------------
              Bromo-Nitrobenzene    249094     337339    35.4
              Hexabromobiphenyl     362541     581191    60.3


             * Standard Areas taken from Initial Cal Level 3
               Initial Calibration Date: 03-DEC-2022
            <- Indicates standard response outside Limits (-50 to +100%)
```

```
                            ZB5 Col                                ZB35 Col
 Aroclor   Peak#    RT    Shift    Area    Amount    Peak#   RT     Shift    Area   Amount
 ==========================================================================================
 Aroclor-1016 1      ---                    0.0      1     ---                       0.0
 Aroclor-1016 2      ---                    0.0      2     ---                       0.0
 Aroclor-1016 3      ---                    0.0      3     ---                       0.0
 Aroclor-1016 4      ---                    0.0      4     ---                       0.0
            Col1Ave: <3 Quant Peaks                   Col2Ave: <3 Quant Peaks

 Aroclor-1221 1      ---                    0.0      1     ---                       0.0
 Aroclor-1221 2      ---                    0.0      2     ---                       0.0
 Aroclor-1221 3      ---                    0.0      3     ---                       0.0
            Col1Ave: <3 Quant Peaks                   Col2Ave: <3 Quant Peaks

 Aroclor-1232 1      ---                    0.0      1     ---                       0.0
 Aroclor-1232 2      ---                    0.0      2     ---                       0.0
 Aroclor-1232 3      ---                    0.0      3     ---                       0.0
 Aroclor-1232 4      ---                    0.0      4     ---                       0.0
            Col1Ave: <3 Quant Peaks                   Col2Ave: <3 Quant Peaks

 Aroclor-1242 1      ---                    0.0      1     ---                       0.0
 Aroclor-1242 2      ---                    0.0      2     ---                       0.0
 Aroclor-1242 3      ---                    0.0      3     ---                       0.0
 Aroclor-1242 4      ---                    0.0      4     ---                       0.0
            Col1Ave: <3 Quant Peaks                   Col2Ave: <3 Quant Peaks

 Aroclor-1248 1      ---                    0.0      1     ---                       0.0
 Aroclor-1248 2      ---                    0.0      2     ---                       0.0
 Aroclor-1248 3      ---                    0.0      3     ---                       0.0
 Aroclor-1248 4      ---                    0.0      4     ---                       0.0
            Col1Ave: <3 Quant Peaks                   Col2Ave: <3 Quant Peaks

 Aroclor-1254 1      ---                    0.0      1     ---                       0.0
 Aroclor-1254 2      ---                    0.0      2     ---                       0.0
 Aroclor-1254 3      ---                    0.0      3     ---                       0.0
 Aroclor-1254 4      ---                    0.0      4     ---                       0.0
 Aroclor-1254 5      ---                    0.0      5     ---                       0.0
            Col1Ave: <3 Quant Peaks                   Col2Ave: <3 Quant Peaks

 Aroclor-1260 1      ---                    0.0      1     ---                       0.0
 Aroclor-1260 2      ---                    0.0      2     ---                       0.0
 Aroclor-1260 3      ---                    0.0      3     ---                       0.0
 Aroclor-1260 4      ---                    0.0      4     ---                       0.0
 Aroclor-1260 5      ---                    0.0      NS    ---                      ----
            Col1Ave: <3 Quant Peaks                   Col2Ave: <3 Quant Peaks

 Aroclor-1262 1      ---                    0.0      1     ---                       0.0
 Aroclor-1262 2      ---                    0.0      2     ---                       0.0
 Aroclor-1262 3      ---                    0.0      3     ---                       0.0
 Aroclor-1262 4      ---                    0.0      4     ---                       0.0
            Col1Ave: <3 Quant Peaks                   Col2Ave: <3 Quant Peaks

 Aroclor-1268 1      ---                    0.0      1     ---                       0.0
 Aroclor-1268 2      ---                    0.0      2     ---                       0.0
 Aroclor-1268 3      ---                    0.0      3     ---                       0.0
 Aroclor-1268 4      ---                    0.0      4     ---                       0.0
            Col1Ave: <3 Quant Peaks                   Col2Ave: <3 Quant Peaks




 Total PCB Area Col1 (5.933 - 13.804) =      25497     Col1 Total PCB = 0.0 ppm*
```

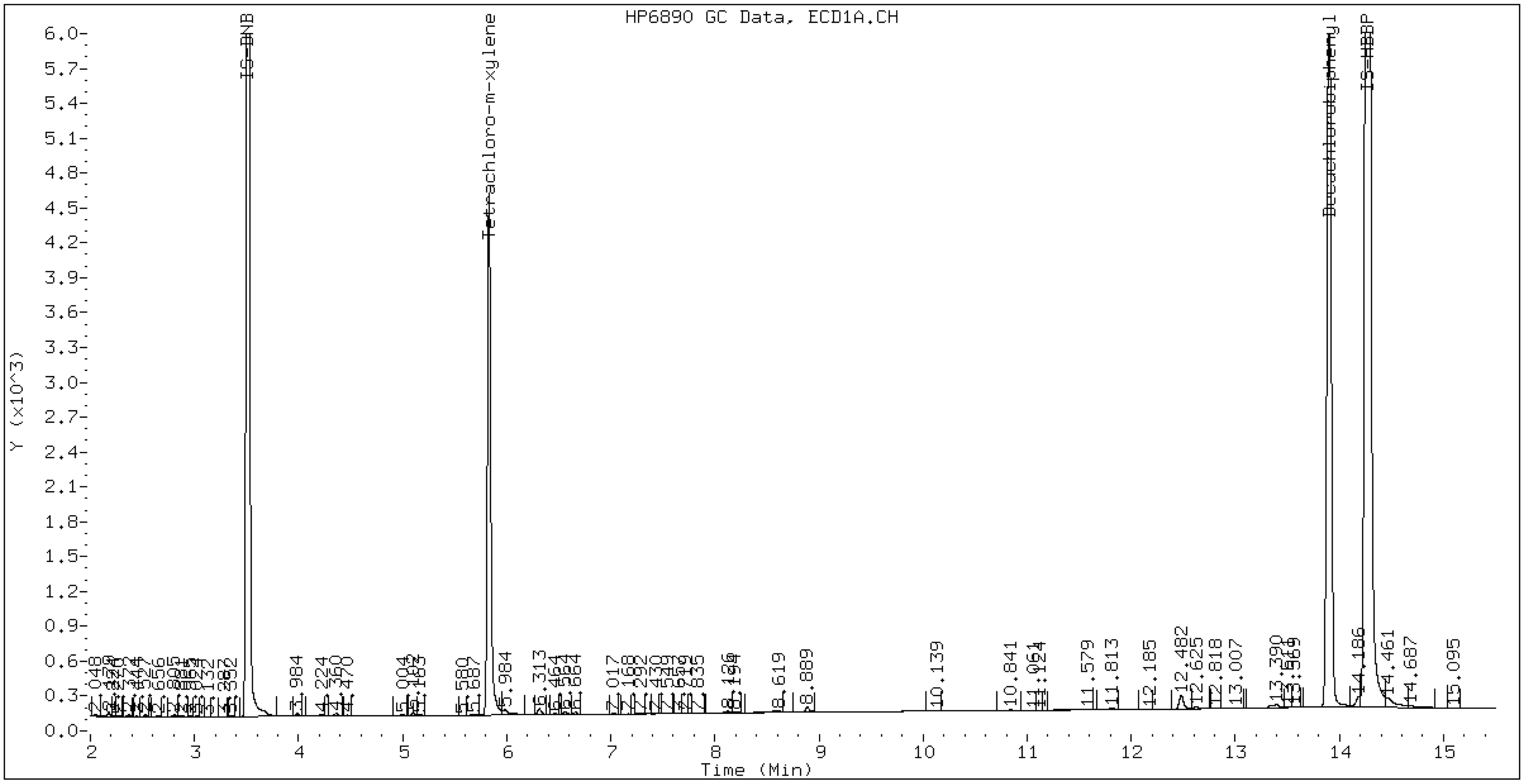
```
Total PCB Area Col2 (5.809 - 14.028) =      21748     Col2 Total PCB = 0.0 ppm*

  *  Quantitated against AR1660 0.25ppm in Ical

                                    PCB-Form 10 Mod.
```

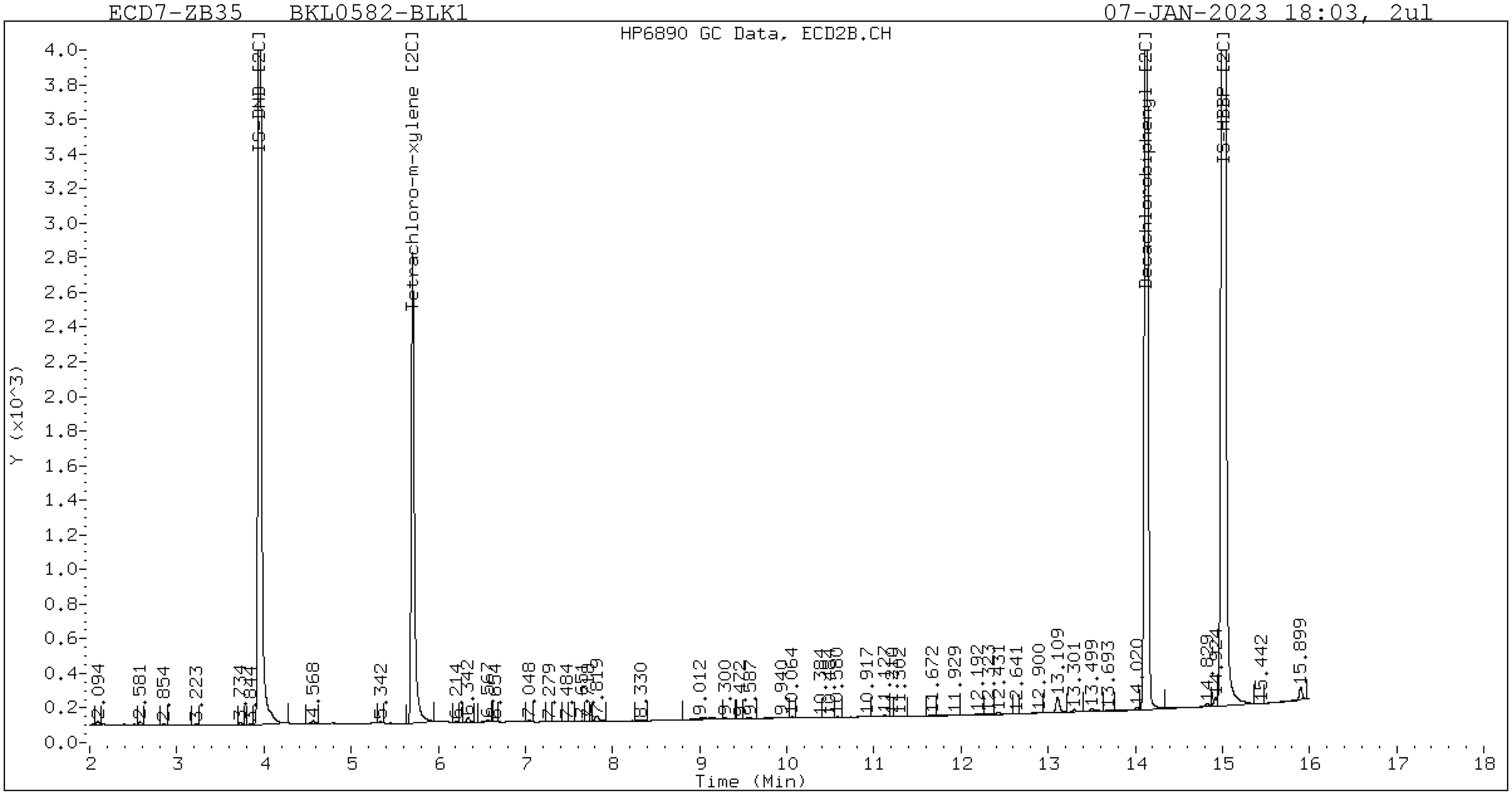
PCB Dual Column Chromatograms

ECD7-ZB5 BKL0582-BLK1 07-JAN-2023 18:03, 2ul



ZB-5 Manual Integration: NO

ECD7-ZB35 BKL0582-BLK1 07-JAN-2023 18:03, 2ul



ZB-35 Manual Integration: NO

Form I

METHOD BLANK DATA SHEET

EPA 8082A

Blank

Laboratory:	Analytical Resources, LLC			SDG:	22L0307
Client:	Anchor QEA, LLC			Project:	AOC4 UR Phase 3
Matrix:	Solid	Laboratory ID:	BKL0583-BLK1	File ID:	01092304ECD7.D
Sampled:	N/A	Prepared:	12/29/22 13:41	Analyzed:	01/09/23 10:07
Solids:		Preparation:	EPA 3546 (Microwave)	Initial/Final:	12.5 g / 2.5 mL
Batch:	BKL0583	Sequence:	SLA0129	Calibration:	FL00010
Instrument:	ECD7	Column:	ZB5	Cleanups:	Silica Gel, Sulfur, Sulfuric Acid

CAS NO.	COMPOUND	DILUTION	CONC: (ug/kg wet)	Q	DL	RL
12674-11-2	Aroclor 1016	1	4.0	U	1.6	4.0
11104-28-2	Aroclor 1221	1	4.0	U	1.6	4.0
11141-16-5	Aroclor 1232	1	4.0	U	1.6	4.0
53469-21-9	Aroclor 1242	1	4.0	U	1.6	4.0
12672-29-6	Aroclor 1248	1	4.0	U	1.6	4.0
11097-69-1	Aroclor 1254	1	4.0	U	1.6	4.0
11096-82-5	Aroclor 1260	1	4.0	U	0.6	4.0

SURROGATES	ADDED: (ug/kg wet)	FOUND: (ug/kg wet)	% REC	QC LIMITS	Q
Decachlorobiphenyl	8.0000	6.87	85.9	40 - 126	
Tetrachlorometaxylene	8.0000	5.75	71.9	44 - 120	
Decachlorobiphenyl [2C]	8.0000	7.24	90.5	40 - 126	
Tetrachlorometaxylene [2C]	8.0000	5.35	66.9	44 - 120	

[2C] indicates second-column analyte, present if quantification on any batch samples used second column data.

```
                              Analytical Resources Inc.
                         Dual Column 608/8082 PCB Quantitation Report

 Data file 1: /230109.b/01092304ECD7.D                   ARI ID: BKL0583-BLK1
 Data file 2: /230109.b/230109.b/01092304ECD7.D          Client ID:
 Method: \\target\share\chem4\ecd7.i\230109.b\PCB.m      Injection Date: 09-JAN-2023 10:07
 Compound Sublist: PCB.sub                               Report Date: 01/14/2023 11:52
 Instrument, Inj. Vol.: ecd7.i, 2ul                      Matrix: NONE
 Quant Method: Internal Std                              Dilution Factor:  1.0



                                   SURROGATES

        ZB5 Col          |       ZB35 Col          |   ZB5    ZB35
   RT    Shift Response | RT    Shift  Response   |  on col  on col    RPD   Compound/Flag
 ============================================================================================

  5.829 -0.007   217813 | 5.706  -0.007   136712|   28.8    26.8      7.2    Tetrachloro-m-xylene
 13.902 -0.006   425830 |14.126  -0.011   346620|   34.3    36.2      5.2    Decachlorobiphenyl


*  Indicates RPD > 40%




                              INTERNAL STANDARD SUMMARY

                                          Column 1
                                   Standard    Sample
                  Standard Cpnd       Area*       Area      %D
              -------------------------------------------------
                Bromo-Nitrobenzene    447645      534304   19.4
                Hexabromobiphenyl     798898     1352399   69.3

                                          Column 2
                                   Standard    Sample
                  Standard Cpnd       Area*       Area      %D
              -------------------------------------------------
                Bromo-Nitrobenzene    249094     372684    49.6
                Hexabromobiphenyl     362541     674642    86.1


               * Standard Areas taken from Initial Cal Level 3
                 Initial Calibration Date: 03-DEC-2022
              <- Indicates standard response outside Limits (-50 to +100%)
```

```
//target/share/chem4/ecd7.i/230109.b/01092304ECD7.D      BKL0583-BLK1                        page 2
                             ZB5 Col                          ZB35 Col
 Aroclor   Peak#    RT    Shift    Area    Amount    Peak#   RT     Shift    Area   Amount
 ========================================================================================
 Aroclor-1016 1      ---                     0.0      1     ---                      0.0
 Aroclor-1016 2      ---                     0.0      2     ---                      0.0
 Aroclor-1016 3      ---                     0.0      3     ---                      0.0
 Aroclor-1016 4      ---                     0.0      4     ---                      0.0
             Col1Ave: <3 Quant Peaks                   Col2Ave: <3 Quant Peaks

 Aroclor-1221 1      ---                     0.0      1     ---                      0.0
 Aroclor-1221 2      ---                     0.0      2     ---                      0.0
 Aroclor-1221 3      ---                     0.0      3     ---                      0.0
             Col1Ave: <3 Quant Peaks                   Col2Ave: <3 Quant Peaks

 Aroclor-1232 1      ---                     0.0      1     ---                      0.0
 Aroclor-1232 2      ---                     0.0      2     ---                      0.0
 Aroclor-1232 3      ---                     0.0      3     ---                      0.0
 Aroclor-1232 4      ---                     0.0      4     ---                      0.0
             Col1Ave: <3 Quant Peaks                   Col2Ave: <3 Quant Peaks

 Aroclor-1242 1      ---                     0.0      1     ---                      0.0
 Aroclor-1242 2      ---                     0.0      2     ---                      0.0
 Aroclor-1242 3      ---                     0.0      3     ---                      0.0
 Aroclor-1242 4      ---                     0.0      4     ---                      0.0
             Col1Ave: <3 Quant Peaks                   Col2Ave: <3 Quant Peaks

 Aroclor-1248 1      ---                     0.0      1     ---                      0.0
 Aroclor-1248 2      ---                     0.0      2     ---                      0.0
 Aroclor-1248 3      ---                     0.0      3     ---                      0.0
 Aroclor-1248 4      ---                     0.0      4     ---                      0.0
             Col1Ave: <3 Quant Peaks                   Col2Ave: <3 Quant Peaks

 Aroclor-1254 1      ---                     0.0      1     ---                      0.0
 Aroclor-1254 2      ---                     0.0      2     ---                      0.0
 Aroclor-1254 3      ---                     0.0      3     ---                      0.0
 Aroclor-1254 4      ---                     0.0      4     ---                      0.0
 Aroclor-1254 5      ---                     0.0      5     ---                      0.0
             Col1Ave: <3 Quant Peaks                   Col2Ave: <3 Quant Peaks

 Aroclor-1260 1      ---                     0.0      1     ---                      0.0
 Aroclor-1260 2      ---                     0.0      2     ---                      0.0
 Aroclor-1260 3      ---                     0.0      3     ---                      0.0
 Aroclor-1260 4      ---                     0.0      4     ---                      0.0
 Aroclor-1260 5      ---                     0.0      NS    ---                     ----
             Col1Ave: <3 Quant Peaks                   Col2Ave: <3 Quant Peaks

 Aroclor-1262 1      ---                     0.0      1     ---                      0.0
 Aroclor-1262 2      ---                     0.0      2     ---                      0.0
 Aroclor-1262 3      ---                     0.0      3     ---                      0.0
 Aroclor-1262 4      ---                     0.0      4     ---                      0.0
             Col1Ave: <3 Quant Peaks                   Col2Ave: <3 Quant Peaks

 Aroclor-1268 1      ---                     0.0      1     ---                      0.0
 Aroclor-1268 2      ---                     0.0      2     ---                      0.0
 Aroclor-1268 3      ---                     0.0      3     ---                      0.0
 Aroclor-1268 4      ---                     0.0      4     ---                      0.0
             Col1Ave: <3 Quant Peaks                   Col2Ave: <3 Quant Peaks




 Total PCB Area Col1 (5.936 - 13.808) =      50602     Col1 Total PCB = 0.0 ppm*
```

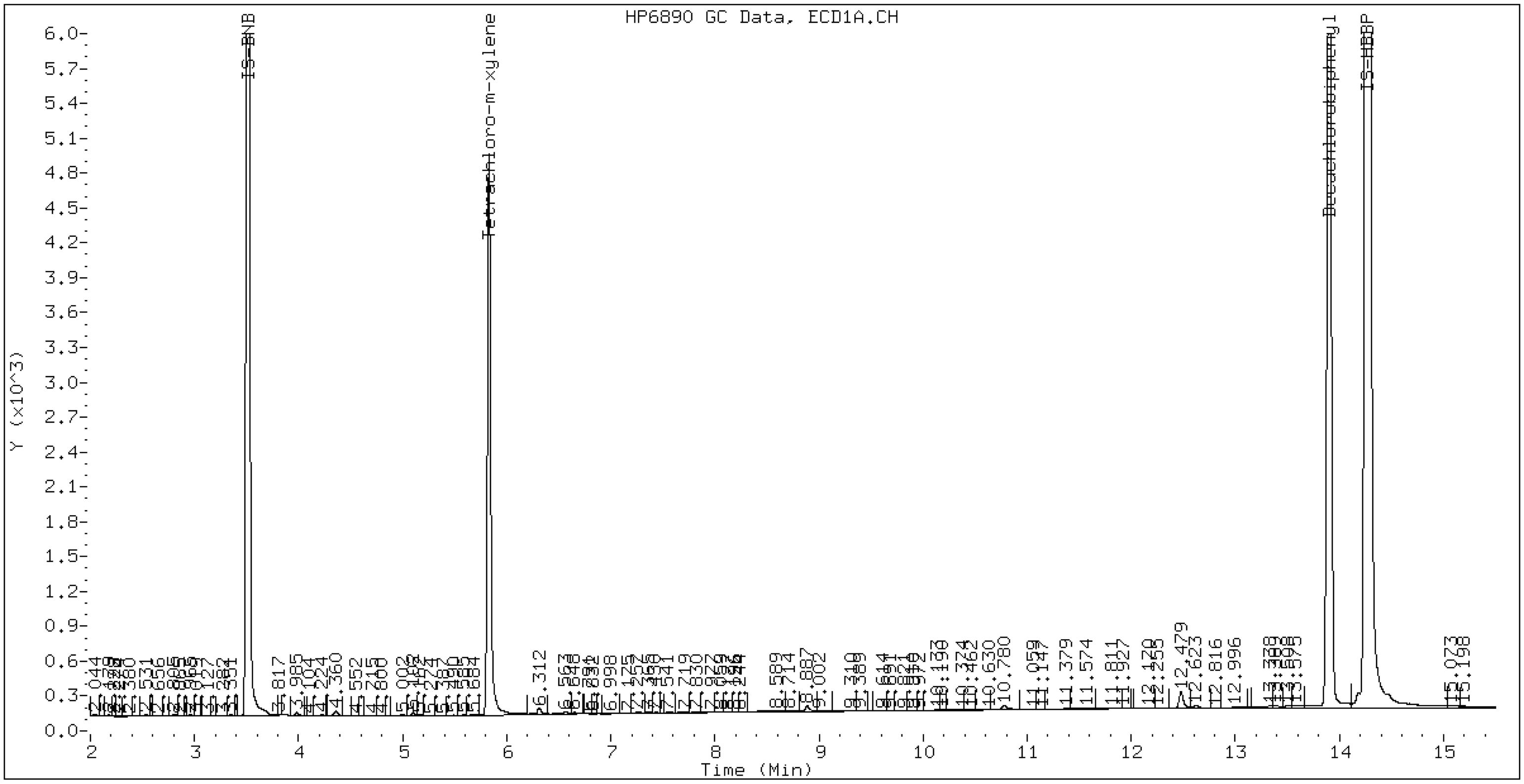
```
Total PCB Area Col2 (5.813 - 14.037) =      18345     Col2 Total PCB = 0.0 ppm*

  *  Quantitated against AR1660 0.25ppm in Ical

                                    PCB-Form 10 Mod.
```

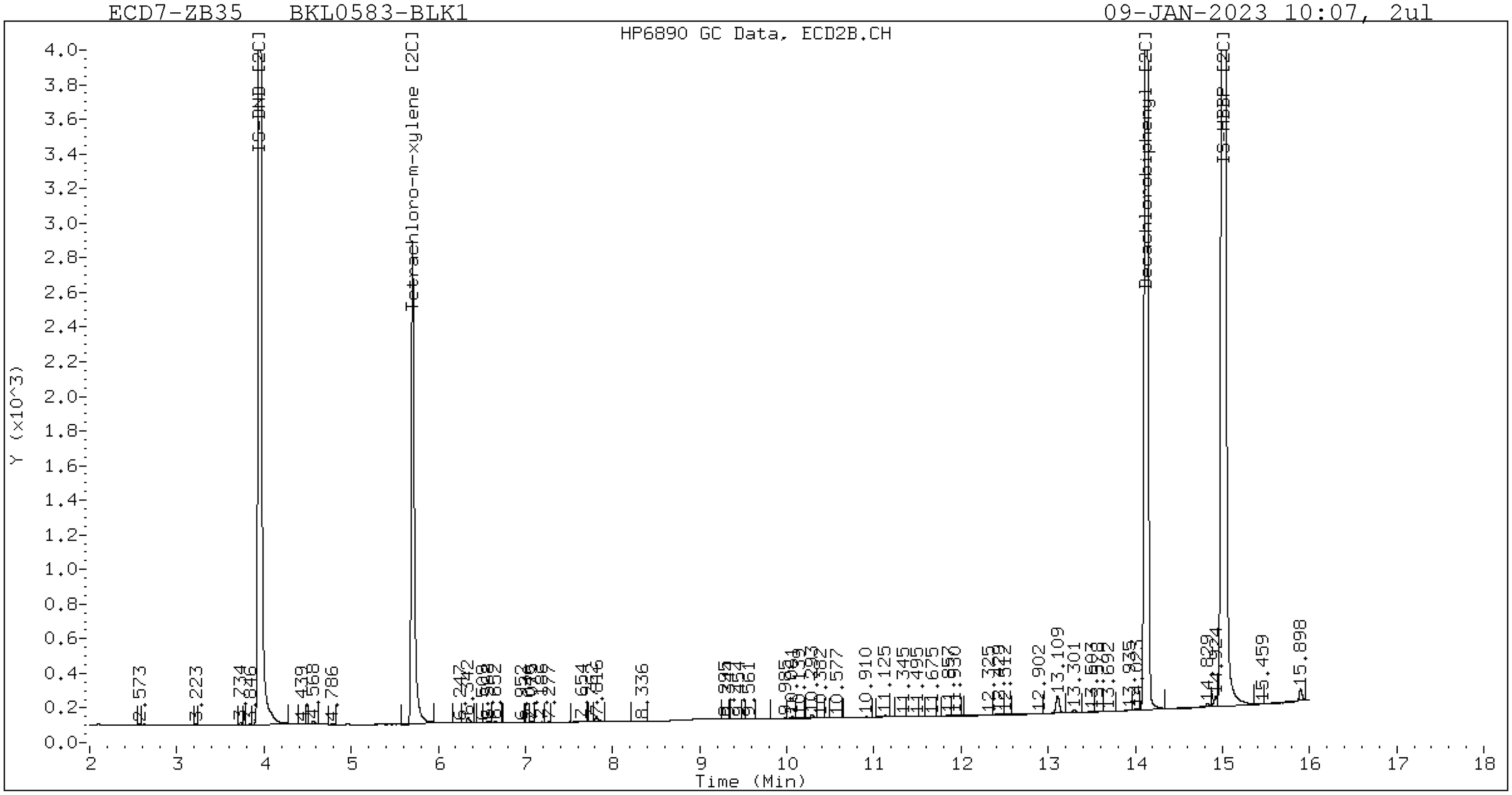
PCB Dual Column Chromatograms

ECD7-ZB5 BKL0583-BLK1 09-JAN-2023 10:07, 2ul



ZB-5 Manual Integration: NO

ECD7-ZB35 BKL0583-BLK1 09-JAN-2023 10:07, 2ul



ZB-35 Manual Integration: NO

Form I
METHOD BLANK DATA SHEET
EPA 8082A

Blank

Laboratory:	Analytical Resources, LLC			SDG:	22L0307
Client:	Anchor QEA, LLC			Project:	AOC4 UR Phase 3
Matrix:	Solid	Laboratory ID:	BKL0584-BLK1	File ID:	01072360ECD7.D
Sampled:	N/A	Prepared:	12/29/22 12:24	Analyzed:	01/08/23 06:21
Solids:		Preparation:	EPA 3546 (Microwave)	Initial/Final:	12.5 g / 2.5 mL
Batch:	BKL0584	Sequence:	SLA0099	Calibration:	FL00010
Instrument:	ECD7	Column:	ZB5	Cleanups:	Silica Gel, Sulfur, Sulfuric Acid

CAS NO.	COMPOUND	DILUTION	CONC: (ug/kg wet)	Q	DL	RL
12674-11-2	Aroclor 1016	1	4.0	U	1.6	4.0
11104-28-2	Aroclor 1221	1	4.0	U	1.6	4.0
11141-16-5	Aroclor 1232	1	4.0	U	1.6	4.0
53469-21-9	Aroclor 1242	1	4.0	U	1.6	4.0
12672-29-6	Aroclor 1248	1	4.0	U	1.6	4.0
11097-69-1	Aroclor 1254	1	4.0	U	1.6	4.0
11096-82-5	Aroclor 1260	1	4.0	U	0.6	4.0

SURROGATES	ADDED: (ug/kg wet)	FOUND: (ug/kg wet)	% REC	QC LIMITS	Q
Decachlorobiphenyl	8.0000	8.35	104	40 - 126	
Tetrachlorometaxylene	8.0000	7.20	90.0	44 - 120	
Decachlorobiphenyl [2C]	8.0000	8.01	100	40 - 126	
Tetrachlorometaxylene [2C]	8.0000	6.63	82.9	44 - 120	

[2C] indicates second-column analyte, present if quantification on any batch samples used second column data.

```
                               Analytical Resources Inc.
                          Dual Column 608/8082 PCB Quantitation Report

 Data file 1: /230107.b/01072360ECD7.D                   ARI ID: BKL0584-BLK1
 Data file 2: /230107.b/230107.b/01072360ECD7.D          Client ID:
 Method: \\target\share\chem4\ecd7.i\230107.b\PCB.m      Injection Date: 08-JAN-2023 06:21
 Compound Sublist: PCB.sub                               Report Date: 01/11/2023 15:13
 Instrument, Inj. Vol.: ecd7.i, 2ul                      Matrix: NONE
 Quant Method: Internal Std                              Dilution Factor:  1.0



                                  SURROGATES

        ZB5 Col         |       ZB35 Col         |   ZB5    ZB35
   RT    Shift Response | RT    Shift  Response  |  on col  on col    RPD   Compound/Flag
 ========================================================================================

  5.832 -0.001   253188 | 5.708  -0.001   159972|   36.0    33.1      8.2    Tetrachloro-m-xylene
 13.901 -0.003   426286 |14.126  -0.003   348349|   41.8    40.0      4.2    Decachlorobiphenyl


*  Indicates RPD > 40%




                             INTERNAL STANDARD SUMMARY

                                         Column 1
                                  Standard    Sample
                Standard Cpnd       Area*       Area      %D
            --------------------------------------------------
              Bromo-Nitrobenzene    447645      496424   10.9
              Hexabromobiphenyl     798898     1113811   39.4

                                         Column 2
                                  Standard    Sample
                Standard Cpnd       Area*       Area      %D
            --------------------------------------------------
              Bromo-Nitrobenzene    249094     352074    41.3
              Hexabromobiphenyl     362541     612751    69.0


             * Standard Areas taken from Initial Cal Level 3
               Initial Calibration Date: 03-DEC-2022
            <- Indicates standard response outside Limits (-50 to +100%)
```

```
                              ZB5 Col                                ZB35 Col
 Aroclor   Peak#    RT    Shift    Area    Amount    Peak#   RT     Shift    Area   Amount
 ============================================================================================
 Aroclor-1016 1      ---                     0.0      1     ---                     0.0
 Aroclor-1016 2      ---                     0.0      2     ---                     0.0
 Aroclor-1016 3      ---                     0.0      3     ---                     0.0
 Aroclor-1016 4      ---                     0.0      4     ---                     0.0
             Col1Ave: <3 Quant Peaks                  Col2Ave: <3 Quant Peaks

 Aroclor-1221 1      ---                     0.0      1     ---                     0.0
 Aroclor-1221 2      ---                     0.0      2     ---                     0.0
 Aroclor-1221 3      ---                     0.0      3     ---                     0.0
             Col1Ave: <3 Quant Peaks                  Col2Ave: <3 Quant Peaks

 Aroclor-1232 1      ---                     0.0      1     ---                     0.0
 Aroclor-1232 2      ---                     0.0      2     ---                     0.0
 Aroclor-1232 3      ---                     0.0      3     ---                     0.0
 Aroclor-1232 4      ---                     0.0      4     ---                     0.0
             Col1Ave: <3 Quant Peaks                  Col2Ave: <3 Quant Peaks

 Aroclor-1242 1      ---                     0.0      1     ---                     0.0
 Aroclor-1242 2      ---                     0.0      2     ---                     0.0
 Aroclor-1242 3      ---                     0.0      3     ---                     0.0
 Aroclor-1242 4      ---                     0.0      4     ---                     0.0
             Col1Ave: <3 Quant Peaks                  Col2Ave: <3 Quant Peaks

 Aroclor-1248 1      ---                     0.0      1     ---                     0.0
 Aroclor-1248 2      ---                     0.0      2     ---                     0.0
 Aroclor-1248 3      ---                     0.0      3     ---                     0.0
 Aroclor-1248 4      ---                     0.0      4     ---                     0.0
             Col1Ave: <3 Quant Peaks                  Col2Ave: <3 Quant Peaks

 Aroclor-1254 1      ---                     0.0      1     ---                     0.0
 Aroclor-1254 2      ---                     0.0      2     ---                     0.0
 Aroclor-1254 3      ---                     0.0      3     ---                     0.0
 Aroclor-1254 4      ---                     0.0      4     ---                     0.0
 Aroclor-1254 5      ---                     0.0      5     ---                     0.0
             Col1Ave: <3 Quant Peaks                  Col2Ave: <3 Quant Peaks

 Aroclor-1260 1      ---                     0.0      1     ---                     0.0
 Aroclor-1260 2      ---                     0.0      2     ---                     0.0
 Aroclor-1260 3      ---                     0.0      3     ---                     0.0
 Aroclor-1260 4      ---                     0.0      4     ---                     0.0
 Aroclor-1260 5      ---                     0.0      NS    ---                    ----
             Col1Ave: <3 Quant Peaks                  Col2Ave: <3 Quant Peaks

 Aroclor-1262 1      ---                     0.0      1     ---                     0.0
 Aroclor-1262 2      ---                     0.0      2     ---                     0.0
 Aroclor-1262 3      ---                     0.0      3     ---                     0.0
 Aroclor-1262 4      ---                     0.0      4     ---                     0.0
             Col1Ave: <3 Quant Peaks                  Col2Ave: <3 Quant Peaks

 Aroclor-1268 1      ---                     0.0      1     ---                     0.0
 Aroclor-1268 2      ---                     0.0      2     ---                     0.0
 Aroclor-1268 3      ---                     0.0      3     ---                     0.0
 Aroclor-1268 4      ---                     0.0      4     ---                     0.0
             Col1Ave: <3 Quant Peaks                  Col2Ave: <3 Quant Peaks




 Total PCB Area Col1 (5.933 - 13.804) =    1128654     Col1 Total PCB = 0.2 ppm*
```

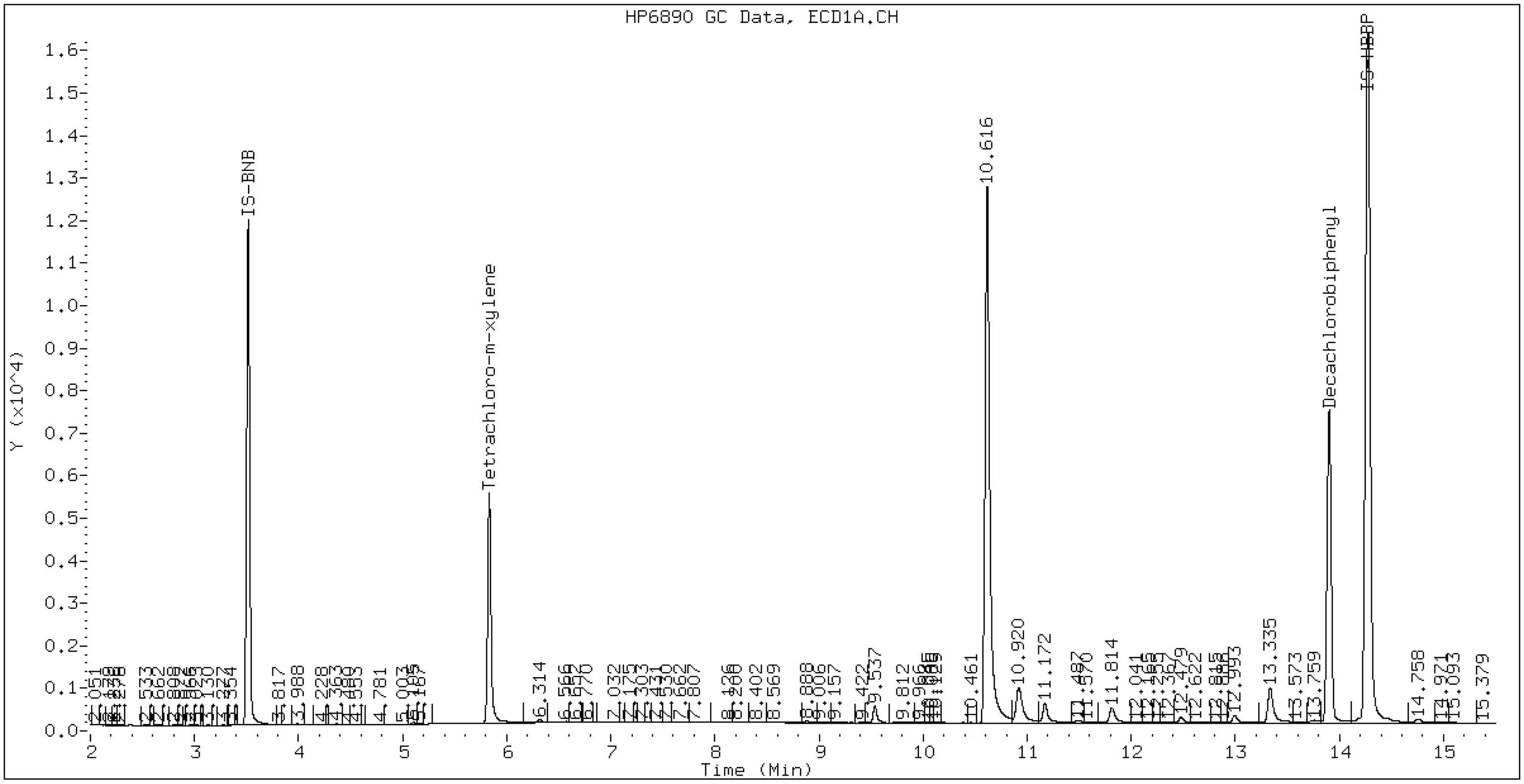
```
Total PCB Area Col2 (5.809 - 14.028) =     680658     Col2 Total PCB = 0.2 ppm*

  *  Quantitated against AR1660 0.25ppm in Ical

                                    PCB-Form 10 Mod.
```

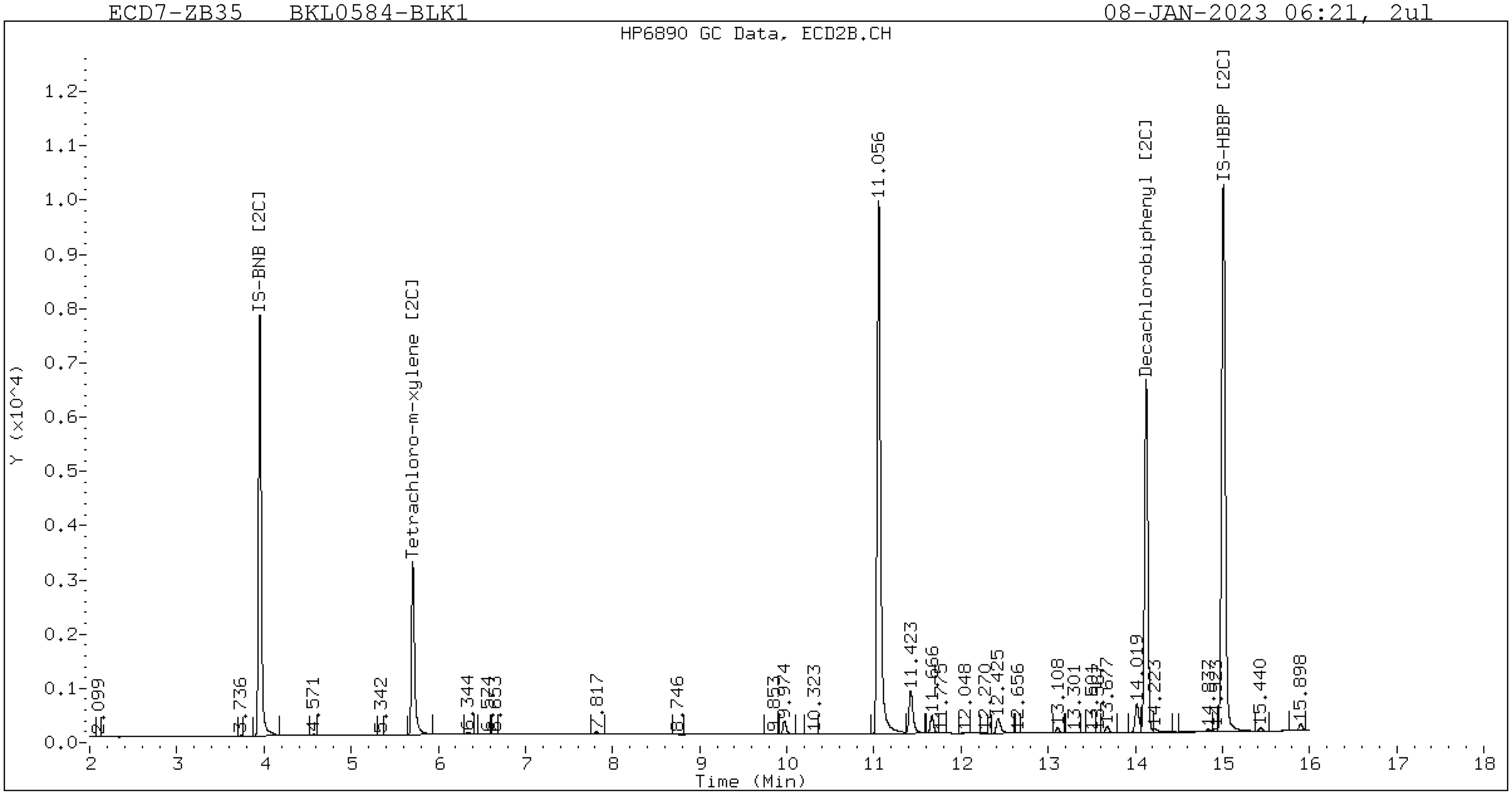
PCB Dual Column Chromatograms

ECD7-ZB5 BKL0584-BLK1 08-JAN-2023 06:21, 2ul



ZB-5 Manual Integration: NO

ECD7-ZB35 BKL0584-BLK1 08-JAN-2023 06:21, 2ul



ZB-35 Manual Integration: NO

LCS / LCS DUPLICATE RECOVERY
EPA 8082A

Laboratory:	Analytical Resources, LLC	SDG:	22L0307
Client:	Anchor QEA, LLC	Project:	AOC4 UR Phase 3
Matrix:	Solid	Analyzed:	12/31/22 17:53
Batch:	BKL0581	Laboratory ID:	BKL0581-BS1
Preparation:	EPA 3546 (Microwave)	Sequence Name:	LCS
Initial/Final:	12.5 g / 2.5 mL		

COMPOUND	SPIKE ADDED (ug/kg wet)	LCS CONCENTRATION (ug/kg wet)	Q	LCS % REC. #	QC LIMITS REC.
Aroclor 1016	101	82.1		81.5	56 - 120
Aroclor 1260	101	90.4		89.7	58 - 120

* Indicates values outside of QC limits

COMPOUND	SPIKE ADDED (ug/kg wet)	LCSD CONCENTRATION (ug/kg wet)	Q	LCSD % REC. #	% RPD #	QC LIMITS	
						RPD	REC.
Aroclor 1016	101	80.6		80.0	1.85	30	56 - 120
Aroclor 1260	101	91.1		90.4	0.812	30	58 - 120

* Indicates values outside of QC limits

```
                                  Analytical Resources Inc.
                             Dual Column 608/8082 PCB Quantitation Report

 Data file 1: /221231.b/12312223ECD7.D                        ARI ID: BKL0581-BS1
 Data file 2: /221231.b/221231.b/12312223ECD7.D               Client ID:
 Method: \\target\share\chem4\ecd7.i\221231.b\PCB.m           Injection Date: 31-DEC-2022 17:53
 Compound Sublist: PCB.sub                                    Report Date: 01/05/2023 17:03
 Instrument, Inj. Vol.: ecd7.i, 2ul                           Matrix: NONE
 Quant Method: Internal Std                                   Dilution Factor:  1.0



                                     SURROGATES

        ZB5 Col         |       ZB35 Col         |   ZB5    ZB35
   RT    Shift Response | RT    Shift  Response  |  on col  on col    RPD   Compound/Flag
 ==========================================================================================

  5.830 -0.002   220344 | 5.707  -0.003   134279|   31.3    29.0      7.5    Tetrachloro-m-xylene
 13.902  0.001   335575 |14.128  -0.002   276975|   36.4    36.3      0.2    Decachlorobiphenyl


*  Indicates RPD > 40%



                                INTERNAL STANDARD SUMMARY

                                            Column 1
                                     Standard    Sample
                   Standard Cpnd       Area*       Area      %D
                 ------------------------------------------------
                   Bromo-Nitrobenzene    447645      497526   11.1
                   Hexabromobiphenyl     798898     1007055   26.1

                                            Column 2
                                     Standard    Sample
                   Standard Cpnd       Area*       Area      %D
                 ------------------------------------------------
                   Bromo-Nitrobenzene    249094     337799    35.6
                   Hexabromobiphenyl     362541     537496    48.3


                  * Standard Areas taken from Initial Cal Level 3
                    Initial Calibration Date: 03-DEC-2022
                 <- Indicates standard response outside Limits (-50 to +100%)
```

```
                            ZB5 Col                                  ZB35 Col
 Aroclor   Peak#    RT    Shift    Area    Amount    Peak#   RT     Shift    Area   Amount
=====================================================================================
 Aroclor-1016 1   7.286  -0.008     66773   402.3      1    7.270  -0.003    64705   374.6
 Aroclor-1016 2   7.668  -0.016    223902   417.9      2    7.864  -0.011   149343   400.9
 Aroclor-1016 3   7.805  -0.013     93160   383.7      3    8.064  -0.008    60288   376.9
 Aroclor-1016 4   8.418  -0.011     67932   438.9      4    8.234  -0.009    35953   427.4
       Total Col1Ave (4 peaks):   410.7       Total Col2Ave (4 peaks):   395.0   RPD = 4
       Corrected Ave (3 peaks):   401.3       Corrected Ave (3 peaks):   384.2   RPD = 4

 Aroclor-1221 1   4.756  -0.004       483    11.7      1    4.984  -0.004      244     8.6
 Aroclor-1221 2   6.151  -0.007      8775   121.1      2    6.317  -0.005     6575   121.0
 Aroclor-1221 3   6.402  -0.007     43854   262.4      3    6.639  -0.006    27891   305.0
       Total Col1Ave (3 peaks):   131.7       Total Col2Ave (3 peaks):   144.9   RPD = 9
       Corrected Ave: < 3 Peaks                      Corrected Ave: < 3 Peaks

 Aroclor-1232 1   4.756  -0.005       483    19.5      1    4.984  -0.006      244    14.9
 Aroclor-1232 2   6.151  -0.008      8775   167.8      2    7.270  -0.007    64705   771.3
 Aroclor-1232 3   7.668  -0.015    223902   953.6      3    7.864  -0.013   149343   910.7
 Aroclor-1232 4   8.591  -0.015     88450   887.9      4    8.724  -0.010    45935  1033.1
       Total Col1Ave (4 peaks):   507.2       Total Col2Ave (4 peaks):   682.5   RPD = 29
       Corrected Ave (3 peaks):   358.4       Corrected Ave (3 peaks):   565.6   RPD = 45*

 Aroclor-1242 1   7.286  -0.003     66773   473.5      1    7.270  -0.002    64705   452.6
 Aroclor-1242 2   7.668  -0.010    223902   500.1      2    7.864  -0.007   149343   492.1
 Aroclor-1242 3   8.418  -0.005     67932   527.3      3    9.165  -0.006     8213    83.9
 Aroclor-1242 4   9.006  -0.017     91488   342.0      4    9.590  -0.003     4410    37.5
       Total Col1Ave (4 peaks):   460.7       Total Col2Ave (4 peaks):   266.5   RPD = 53*
       Corrected Ave (3 peaks):   438.5       Corrected Ave (3 peaks):   191.3   RPD = 78*

 Aroclor-1248 1   8.418  -0.009     67932   317.6      1    8.318  -0.005    44234   320.5
 Aroclor-1248 2   8.591  -0.014     88450   323.8      2    8.724  -0.004    45935   316.5
 Aroclor-1248 3   9.006  -0.016     91488   186.2      3    9.165  -0.009     8213    46.5
 Aroclor-1248 4   9.311  -0.001     74611   310.0      4    9.590  -0.006     4410    21.3
       Total Col1Ave (4 peaks):   284.4       Total Col2Ave (4 peaks):   176.2   RPD = 47*
       Corrected Ave (3 peaks):   271.2       Corrected Ave (3 peaks):   128.1   RPD = 72*

 Aroclor-1254 1   9.311  -0.011     74611   170.3      1    9.458  -0.003    40007   183.7
 Aroclor-1254 2     ---                      0.0      2    9.978  -0.001     9068    51.8
 Aroclor-1254 3   9.678  -0.016     14396    52.0      3   10.155   0.025    91962   244.3
 Aroclor-1254 4   9.816  -0.015     42596    79.0      4   10.380   0.001   119414   306.4
 Aroclor-1254 5  10.130  -0.059    198244   536.2      5   10.575  -0.001   160220   852.2
       Total Col1Ave (4 peaks):   209.4       Total Col2Ave (5 peaks):   327.7   RPD = 44*
       Corrected Ave (3 peaks):   100.4       Corrected Ave (4 peaks):   196.5   RPD = 65*

 Aroclor-1260 1  11.054  -0.008    163638   446.4      1   11.662  -0.002   123837   436.5
 Aroclor-1260 2  11.370  -0.008    171654   452.8      2   11.925  -0.001   303534   426.3
 Aroclor-1260 3  11.743  -0.009    446038   447.8      3   12.444  -0.001    86841   458.1
 Aroclor-1260 4  12.146  -0.012    234796   462.8      4   12.508  -0.001   210787   444.1
 Aroclor-1260 5  12.253  -0.008     93472   450.1      NS    ---                       ----
       Total Col1Ave (5 peaks):   452.0       Total Col2Ave (4 peaks):   441.3   RPD = 2
       Corrected Ave (4 peaks):   449.3       Corrected Ave (3 peaks):   435.7   RPD = 3

 Aroclor-1262 1  10.835  -0.014    327432   972.3      1   11.207  -0.010   114127   279.3
 Aroclor-1262 2  12.253  -0.010     93472   178.5      2   11.662  -0.009   123837   349.9
 Aroclor-1262 3  12.328  -0.008    112464   201.1      3   12.444  -0.008    86841   222.4
 Aroclor-1262 4  12.995  -0.010    107559   239.7      4   12.508  -0.011   210787   344.6
       Total Col1Ave (4 peaks):   397.9       Total Col2Ave (4 peaks):   299.0   RPD = 28
       Corrected Ave (3 peaks):   206.4       Corrected Ave (3 peaks):   282.1   RPD = 31

 Aroclor-1268 1  12.253  -0.009     93472    66.3      1   12.444  -0.006    86841    85.6
 Aroclor-1268 2  12.328  -0.007    112464    81.6      2   12.508  -0.009   210787   202.6
 Aroclor-1268 3  12.733   0.016     50386    44.6      3   12.901  -0.009     3991    10.3
 Aroclor-1268 4  13.496  -0.009     29383     8.5      4   13.717  -0.010    23362     8.4
       Total Col1Ave (4 peaks):    50.3       Total Col2Ave (4 peaks):    76.7   RPD = 42*
```

```
      Corrected Ave (3 peaks):    39.8       Corrected Ave (3 peaks):    34.8   RPD = 14




Total PCB Area Col1 (5.932 - 13.801) =    4476883     Col1 Total PCB = 0.9 ppm*

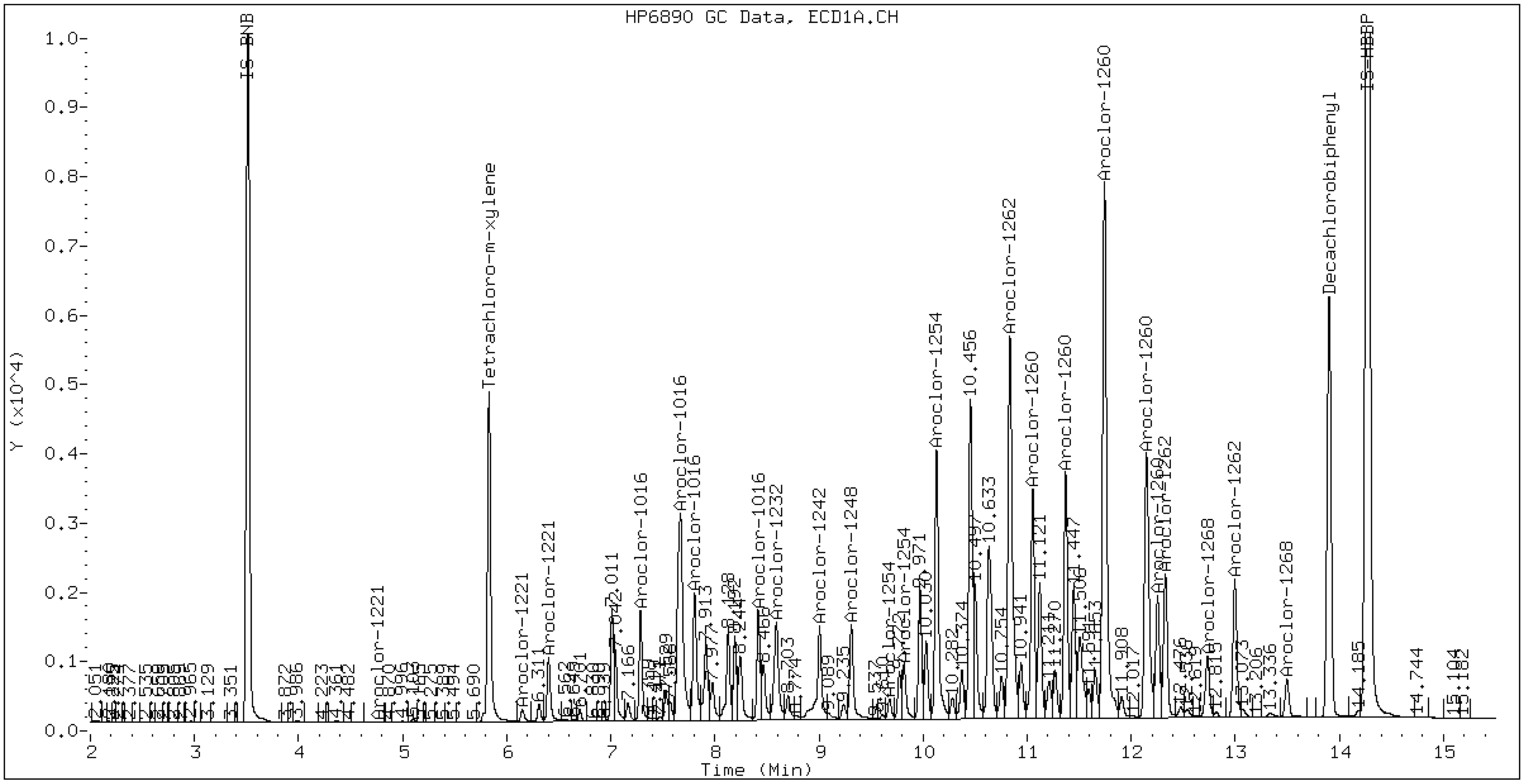
Total PCB Area Col2 (5.810 - 14.030) =    2869267     Col2 Total PCB = 0.9 ppm*

  *  Quantitated against AR1660 0.25ppm in Ical

                                      PCB-Form 10 Mod.
```

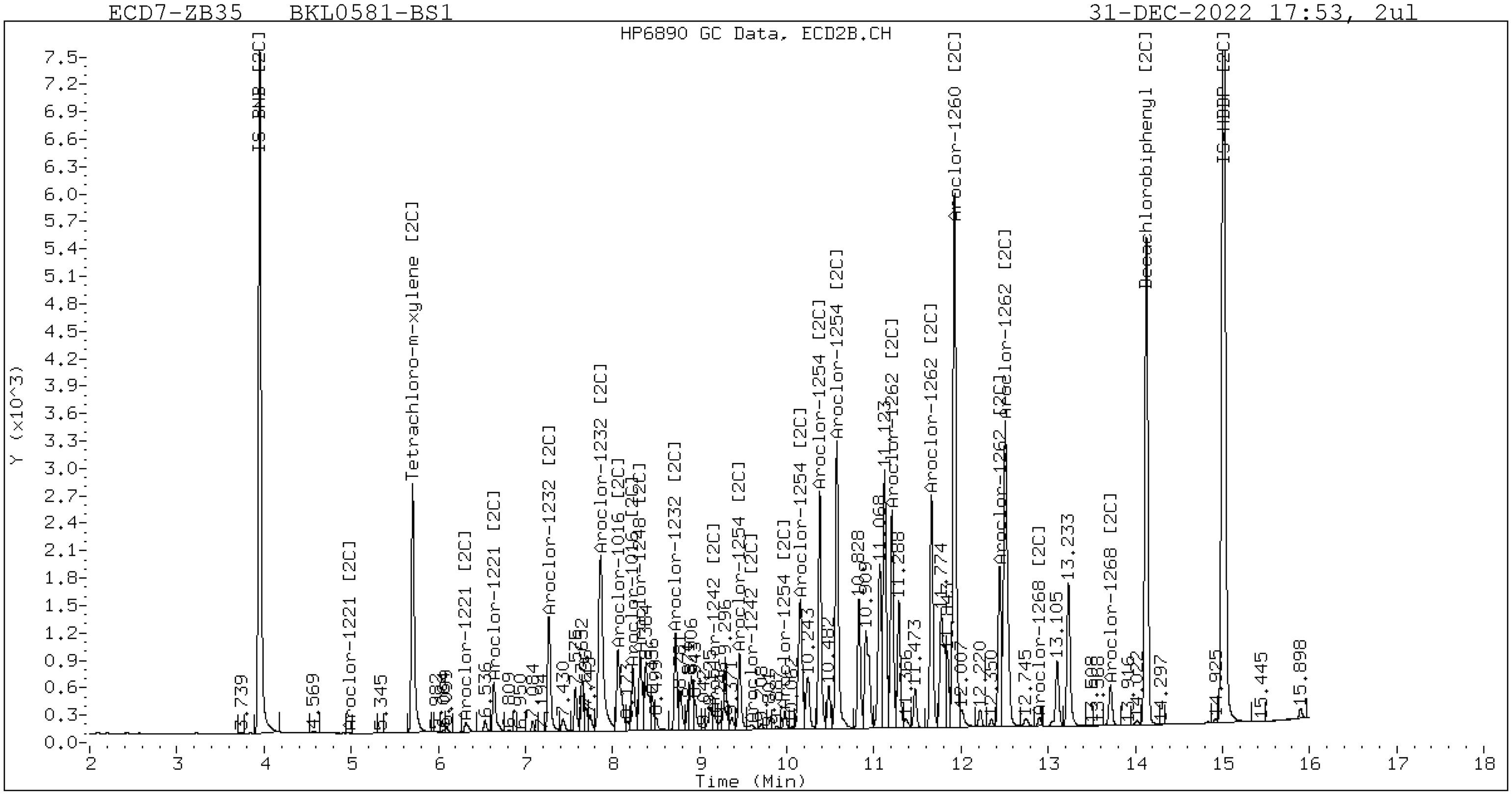
PCB Dual Column Chromatograms

ECD7-ZB5 BKL0581-BS1 31-DEC-2022 17:53, 2ul



ZB-5 Manual Integration: NO

ECD7-ZB35 BKL0581-BS1 31-DEC-2022 17:53, 2ul



ZB-35 Manual Integration: NO

```
                                  Analytical Resources Inc.
                             Dual Column 608/8082 PCB Quantitation Report

 Data file 1: /221231.b/12312224ECD7.D                      ARI ID: BKL0581-BSD1
 Data file 2: /221231.b/221231.b/12312224ECD7.D             Client ID:
 Method: \\target\share\chem4\ecd7.i\221231.b\PCB.m         Injection Date: 31-DEC-2022 18:14
 Compound Sublist: PCB.sub                                  Report Date: 01/05/2023 17:03
 Instrument, Inj. Vol.: ecd7.i, 2ul                         Matrix: NONE
 Quant Method: Internal Std                                 Dilution Factor:  1.0



                                     SURROGATES

        ZB5 Col         |       ZB35 Col         |   ZB5    ZB35
   RT    Shift Response | RT    Shift  Response  |  on col  on col    RPD   Compound/Flag
 ===========================================================================================

  5.830 -0.001   231348 | 5.707  -0.003   140784|   30.3    28.2      7.0    Tetrachloro-m-xylene
 13.900 -0.001   355918 |14.127  -0.002   299087|   36.2    35.9      0.8    Decachlorobiphenyl


*  Indicates RPD > 40%



                                INTERNAL STANDARD SUMMARY

                                            Column 1
                                     Standard    Sample
                  Standard Cpnd       Area*       Area      %D
               --------------------------------------------------
                 Bromo-Nitrobenzene    447645      539622   20.5
                 Hexabromobiphenyl     798898     1073986   34.4

                                            Column 2
                                     Standard    Sample
                  Standard Cpnd       Area*       Area      %D
               --------------------------------------------------
                 Bromo-Nitrobenzene    249094     364172    46.2
                 Hexabromobiphenyl     362541     587340    62.0


                * Standard Areas taken from Initial Cal Level 3
                  Initial Calibration Date: 03-DEC-2022
               <- Indicates standard response outside Limits (-50 to +100%)
```

```
                            ZB5 Col                                 ZB35 Col
 Aroclor   Peak#    RT    Shift    Area    Amount    Peak#   RT     Shift    Area   Amount
 ==========================================================================================
 Aroclor-1016 1   7.287  -0.008    71154   395.3      1    7.270  -0.004    69104   371.1
 Aroclor-1016 2   7.668  -0.016   238844   411.0      2    7.865  -0.010   160041   398.5
 Aroclor-1016 3   7.805  -0.012    98043   372.3      3    8.064  -0.008    64395   373.4
 Aroclor-1016 4   8.419  -0.011    72867   434.0      4    8.235  -0.009    38369   423.1
       Total Col1Ave (4 peaks):   403.1       Total Col2Ave (4 peaks):   391.5   RPD = 3
       Corrected Ave (3 peaks):   392.9       Corrected Ave (3 peaks):   381.0   RPD = 3

 Aroclor-1221 1   4.758  -0.002      535    12.0      1     ---                       0.0
 Aroclor-1221 2   6.151  -0.007     7909   100.6      2    6.316  -0.005     7004   119.6
 Aroclor-1221 3   6.402  -0.006    45104   248.8      3    6.639  -0.006    29523   299.5
       Total Col1Ave (3 peaks):   120.5                Col2Ave: <3 Quant Peaks

 Aroclor-1232 1   4.758  -0.003      535    19.9      1     ---                       0.0
 Aroclor-1232 2   6.151  -0.008     7909   139.5      2    7.270  -0.007    69104   764.1
 Aroclor-1232 3   7.668  -0.016   238844   937.9      3    7.865  -0.012   160041   905.2
 Aroclor-1232 4   8.591  -0.014    94631   875.8      4    8.724  -0.009    49318  1028.8
       Total Col1Ave (4 peaks):   493.3       Total Col2Ave (3 peaks):   899.4   RPD = 58*
       Corrected Ave (3 peaks):   345.1                     Corrected Ave: < 3 Peaks

 Aroclor-1242 1   7.287  -0.003    71154   465.2      1    7.270  -0.002    69104   448.4
 Aroclor-1242 2   7.668  -0.010   238844   491.8      2    7.865  -0.006   160041   489.1
 Aroclor-1242 3   8.419  -0.005    72867   521.5      3    9.164  -0.006     9287    88.0
 Aroclor-1242 4   9.007  -0.016    97048   334.5      4    9.589  -0.003     4881    38.5
       Total Col1Ave (4 peaks):   453.3       Total Col2Ave (4 peaks):   266.0   RPD = 52*
       Corrected Ave (3 peaks):   430.5       Corrected Ave (3 peaks):   191.6   RPD = 77*

 Aroclor-1248 1   8.419  -0.009    72867   314.1      1    8.318  -0.005    47430   318.8
 Aroclor-1248 2   8.591  -0.013    94631   319.4      2    8.724  -0.004    49318   315.2
 Aroclor-1248 3   9.007  -0.015    97048   182.1      3    9.164  -0.010     9287    48.8
 Aroclor-1248 4   9.311  -0.000    79564   304.8      4    9.589  -0.006     4881    21.8
       Total Col1Ave (4 peaks):   280.1       Total Col2Ave (4 peaks):   176.2   RPD = 46*
       Corrected Ave (3 peaks):   267.0       Corrected Ave (3 peaks):   128.6   RPD = 70*

 Aroclor-1254 1   9.311  -0.010    79564   167.5      1    9.458  -0.003    42797   182.3
 Aroclor-1254 2     ---                     0.0      2    9.978  -0.000     9633    51.0
 Aroclor-1254 3   9.678  -0.016    15363    51.2      3   10.155   0.025    98516   242.8
 Aroclor-1254 4   9.815  -0.016    45876    78.4      4   10.379   0.001   127667   303.8
 Aroclor-1254 5  10.130  -0.060   212186   529.2      5   10.574  -0.002   171857   847.9
       Total Col1Ave (4 peaks):   206.6       Total Col2Ave (5 peaks):   325.6   RPD = 45*
       Corrected Ave (3 peaks):    99.0       Corrected Ave (4 peaks):   195.0   RPD = 65*

 Aroclor-1260 1  11.054  -0.009   176252   450.9      1   11.661  -0.002   132336   426.8
 Aroclor-1260 2  11.369  -0.008   185845   459.6      2   11.923  -0.002   328714   422.5
 Aroclor-1260 3  11.741  -0.010   471975   444.3      3   12.443  -0.002    93316   450.4
 Aroclor-1260 4  12.145  -0.014   253493   468.5      4   12.508  -0.001   221525   427.2
 Aroclor-1260 5  12.253  -0.009   100765   455.0      NS    ---                      ----
       Total Col1Ave (5 peaks):   455.7       Total Col2Ave (4 peaks):   431.7   RPD = 5
       Corrected Ave (4 peaks):   452.4       Corrected Ave (3 peaks):   425.5   RPD = 6

 Aroclor-1262 1  10.833  -0.015   354133   986.0      1   11.207  -0.010   121050   271.1
 Aroclor-1262 2  12.253  -0.010   100765   180.5      2   11.661  -0.009   132336   342.1
 Aroclor-1262 3  12.327  -0.010   121224   203.3      3   12.443  -0.009    93316   218.7
 Aroclor-1262 4  12.995  -0.010   115030   240.4      4   12.508  -0.011   221525   331.5
       Total Col1Ave (4 peaks):   402.5       Total Col2Ave (4 peaks):   290.8   RPD = 32
       Corrected Ave (3 peaks):   208.0       Corrected Ave (3 peaks):   273.7   RPD = 27

 Aroclor-1268 1  12.253  -0.010   100765    67.1      1   12.443  -0.007    93316    84.2
 Aroclor-1268 2  12.327  -0.008   121224    82.5      2   12.508  -0.009   221525   194.9
 Aroclor-1268 3  12.732   0.016    59260    49.2      3   12.900  -0.009     4719    11.2
 Aroclor-1268 4  13.492  -0.013    22827     6.2      4   13.716  -0.011    25142     8.3
       Total Col1Ave (4 peaks):    51.2       Total Col2Ave (4 peaks):    74.6   RPD = 37
       Corrected Ave (3 peaks):    40.8       Corrected Ave (3 peaks):    34.6   RPD = 17
```

Total PCB Area Col1 (5.932 - 13.801) = 4783016 Col1 Total PCB = 0.9 ppm*

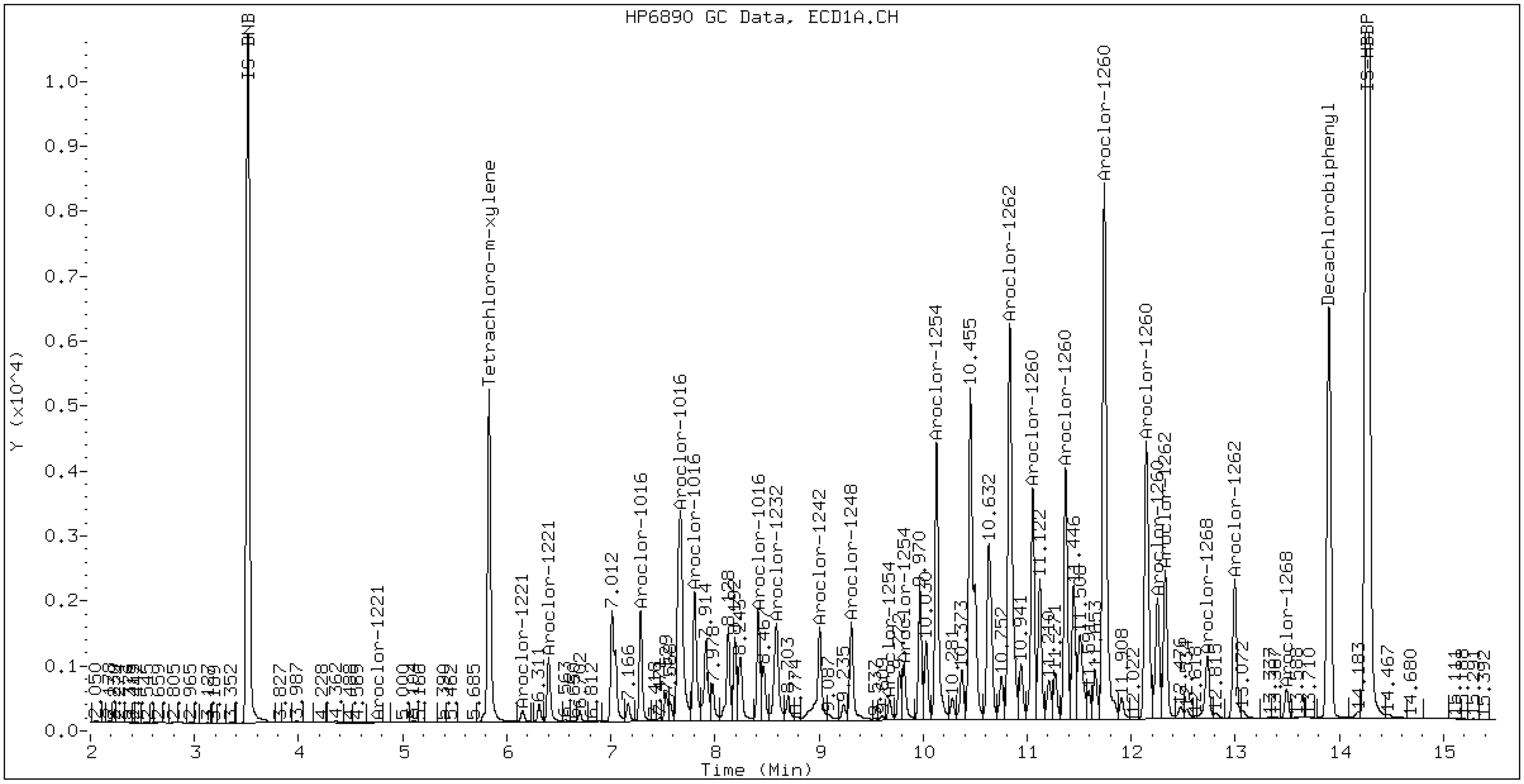
Total PCB Area Col2 (5.810 - 14.030) = 3088531 Col2 Total PCB = 0.9 ppm*

* Quantitated against AR1660 0.25ppm in Ical

PCB-Form 10 Mod.

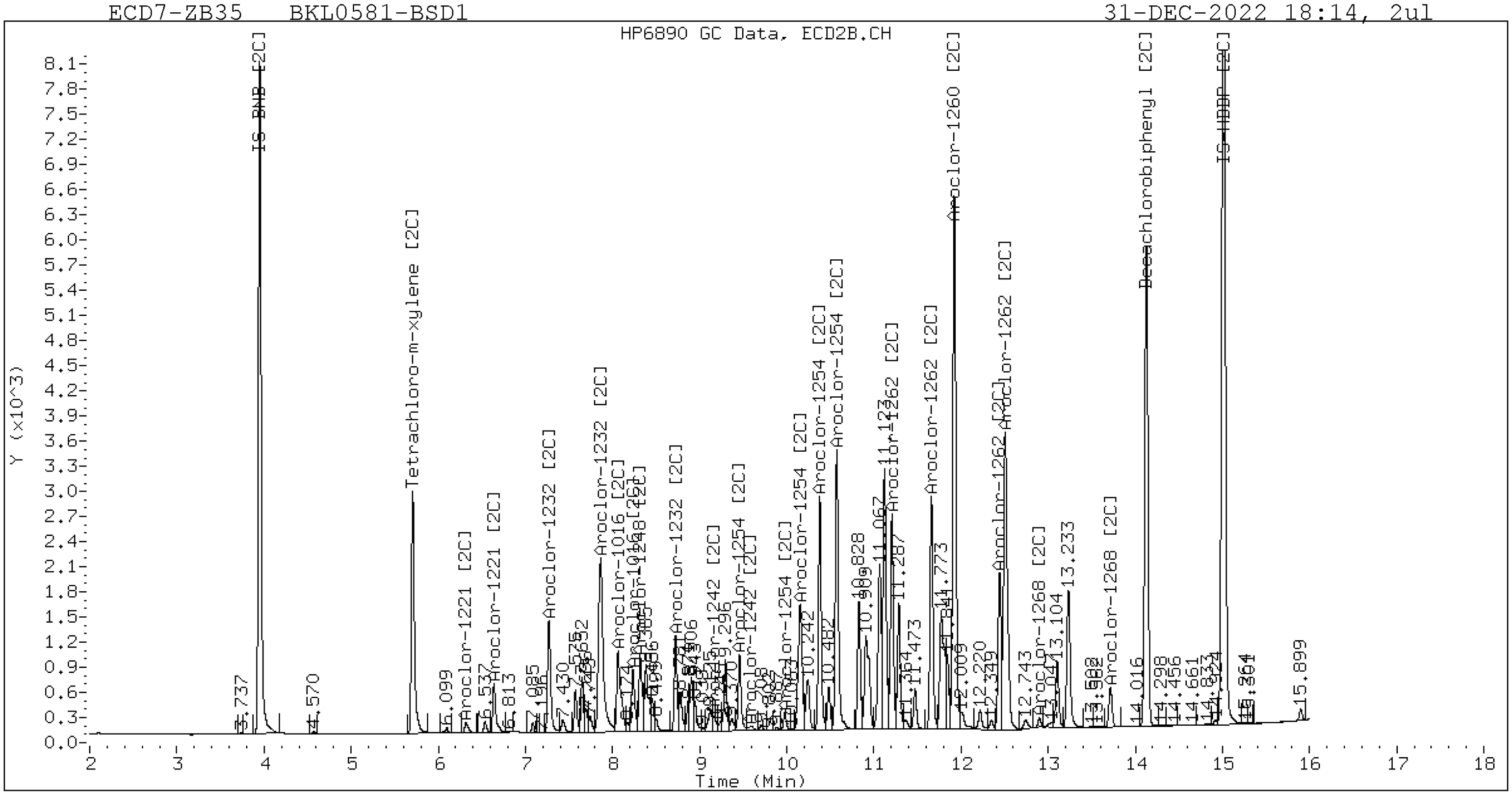
PCB Dual Column Chromatograms

ECD7-ZB5 BKL0581-BSD1 31-DEC-2022 18:14, 2ul



ZB-5 Manual Integration: NO

ECD7-ZB35 BKL0581-BSD1 31-DEC-2022 18:14, 2ul



ZB-35 Manual Integration: NO

LCS / LCS DUPLICATE RECOVERY

EPA 8082A

Laboratory:	Analytical Resources, LLC	SDG:	22L0307
Client:	Anchor QEA, LLC	Project:	AOC4 UR Phase 3
Matrix:	Solid	Analyzed:	01/07/23 18:24
Batch:	BKL0582	Laboratory ID:	BKL0582-BS1
Preparation:	EPA 3546 (Microwave)	Sequence Name:	LCS
Initial/Final:	12.5 g / 2.5 mL		

COMPOUND	SPIKE ADDED (ug/kg wet)	LCS CONCENTRATION (ug/kg wet)	Q	LCS % REC. #	QC LIMITS REC.
Aroclor 1016	101	85.5		84.8	56 - 120
Aroclor 1260	101	92.9		92.2	58 - 120

* Indicates values outside of QC limits

COMPOUND	SPIKE ADDED (ug/kg wet)	LCSD CONCENTRATION (ug/kg wet)	Q	LCSD % REC. #	% RPD #	QC LIMITS RPD	QC LIMITS REC.
Aroclor 1016	101	91.0		90.2	6.21	30	56 - 120
Aroclor 1260 [2C]	101	96.3		95.6	4.84	30	58 - 120

* Indicates values outside of QC limits

```
                              Analytical Resources Inc.
                         Dual Column 608/8082 PCB Quantitation Report

 Data file 1: /230107.b/01072326ECD7.D                   ARI ID: BKL0582-BS1
 Data file 2: /230107.b/230107.b/01072326ECD7.D          Client ID:
 Method: \\target\share\chem4\ecd7.i\230107.b\PCB.m      Injection Date: 07-JAN-2023 18:24
 Compound Sublist: PCB.sub                               Report Date: 01/11/2023 15:12
 Instrument, Inj. Vol.: ecd7.i, 2ul                      Matrix: NONE
 Quant Method: Internal Std                              Dilution Factor:  1.0



                                 SURROGATES

        ZB5 Col         |       ZB35 Col         |   ZB5    ZB35
   RT    Shift Response | RT    Shift  Response  |  on col  on col    RPD   Compound/Flag
 ==========================================================================================

  5.831 -0.002   216000 | 5.707  -0.002   135816|   31.2    28.5      9.1    Tetrachloro-m-xylene
 13.901 -0.002   390165 |14.127  -0.001   338348|   39.2    39.8      1.5    Decachlorobiphenyl


*  Indicates RPD > 40%



                            INTERNAL STANDARD SUMMARY

                                          Column 1
                                   Standard    Sample
                  Standard Cpnd      Area*       Area      %D
               --------------------------------------------------
                 Bromo-Nitrobenzene    447645      488013    9.0
                 Hexabromobiphenyl     798898     1086619   36.0

                                          Column 2
                                   Standard    Sample
                  Standard Cpnd      Area*       Area      %D
               --------------------------------------------------
                 Bromo-Nitrobenzene    249094     347436    39.5
                 Hexabromobiphenyl     362541     599183    65.3


                * Standard Areas taken from Initial Cal Level 3
                  Initial Calibration Date: 03-DEC-2022
               <- Indicates standard response outside Limits (-50 to +100%)
```

```
//target/share/chem4/ecd7.i/230107.b/01072326ECD7.D      BKL0582-BS1                      page 2
                             ZB5 Col                              ZB35 Col
 Aroclor   Peak#    RT    Shift    Area    Amount    Peak#   RT     Shift    Area   Amount
 ===========================================================================================
 Aroclor-1016 1   7.286  -0.004    67763   416.3      1    7.269  -0.003    68352   384.8
 Aroclor-1016 2   7.668  -0.012   227403   432.7      2    7.866  -0.006   157224   410.4
 Aroclor-1016 3   7.805  -0.008    95775   402.1      3    8.065  -0.006    64031   389.2
 Aroclor-1016 4   8.419  -0.006    69603   458.4      4    8.235  -0.008    37799   436.9
      Total Col1Ave (4 peaks):   427.4       Total Col2Ave (4 peaks):   405.3   RPD = 5
      Corrected Ave (3 peaks):   417.0       Corrected Ave (3 peaks):   394.8   RPD = 5

 Aroclor-1221 1   4.759  -0.001      515    12.8      1     ---                         0.0
 Aroclor-1221 2   6.152  -0.006     8857   124.6      2    6.317  -0.005     6867   122.9
 Aroclor-1221 3   6.403  -0.006    44732   272.8      3    6.639  -0.006    29405   312.7
      Total Col1Ave (3 peaks):   136.7               Col2Ave: <3 Quant Peaks

 Aroclor-1232 1   4.759  -0.002      515    21.2      1     ---                         0.0
 Aroclor-1232 2   6.152  -0.007     8857   172.7      2    7.269  -0.008    68352   792.2
 Aroclor-1232 3   7.668  -0.015   227403   987.4      3    7.866  -0.010   157224   932.1
 Aroclor-1232 4   8.592  -0.014    90501   926.2      4    8.724  -0.010    49374  1079.6
      Total Col1Ave (4 peaks):   526.9       Total Col2Ave (3 peaks):   934.6   RPD = 56*
      Corrected Ave (3 peaks):   373.4                    Corrected Ave: < 3 Peaks

 Aroclor-1242 1   7.286  -0.004    67763   489.9      1    7.269  -0.003    68352   464.8
 Aroclor-1242 2   7.668  -0.014   227403   517.8      2    7.866  -0.006   157224   503.7
 Aroclor-1242 3   8.419  -0.007    69603   550.8      3    9.166  -0.014     9124    90.6
 Aroclor-1242 4   9.006  -0.014    97296   370.8      4    9.590  -0.016     4840    40.0
      Total Col1Ave (4 peaks):   482.3       Total Col2Ave (4 peaks):   274.8   RPD = 55*
      Corrected Ave (3 peaks):   459.5       Corrected Ave (3 peaks):   198.5   RPD = 79*

 Aroclor-1248 1   8.419  -0.006    69603   331.7      1    8.318  -0.004    47497   334.6
 Aroclor-1248 2   8.592  -0.011    90501   337.8      2    8.724  -0.004    49374   330.7
 Aroclor-1248 3   9.006  -0.012    97296   201.9      3    9.166  -0.012     9124    50.2
 Aroclor-1248 4   9.312  -0.001    75403   319.4      4    9.590  -0.012     4840    22.7
      Total Col1Ave (4 peaks):   297.7       Total Col2Ave (4 peaks):   184.6   RPD = 47*
      Corrected Ave (3 peaks):   284.3       Corrected Ave (3 peaks):   134.6   RPD = 72*

 Aroclor-1254 1   9.312   0.001    75403   175.5      1    9.457  -0.004    43747   195.3
 Aroclor-1254 2     ---                     0.0      2    9.977  -0.003     9867    54.8
 Aroclor-1254 3   9.679  -0.000    14023    51.7      3   10.153   0.020   101464   262.1
 Aroclor-1254 4   9.816   0.001    43901    83.0      4   10.378  -0.004   132959   331.6
 Aroclor-1254 5  10.130  -0.037   207513   572.3      5   10.574  -0.004   179486   928.2
      Total Col1Ave (4 peaks):   220.6       Total Col2Ave (5 peaks):   354.4   RPD = 47*
      Corrected Ave (3 peaks):   103.4       Corrected Ave (4 peaks):   211.0   RPD = 68*

 Aroclor-1260 1  11.054  -0.006   176742   446.8      1   11.659  -0.004   142915   451.9
 Aroclor-1260 2  11.370  -0.005   189121   462.3      2   11.923  -0.005   351163   442.5
 Aroclor-1260 3  11.742  -0.008   493039   458.7      3   12.442  -0.003    99688   471.7
 Aroclor-1260 4  12.146  -0.008   263678   481.7      4   12.507  -0.004   248575   469.8
 Aroclor-1260 5  12.253  -0.004   105990   473.0      NS    ---                        ----
      Total Col1Ave (5 peaks):   464.5       Total Col2Ave (4 peaks):   459.0   RPD = 1
      Corrected Ave (4 peaks):   460.2       Corrected Ave (3 peaks):   454.7   RPD = 1

 Aroclor-1262 1  10.835  -0.013   352577   970.3      1   11.206  -0.011   129987   285.3
 Aroclor-1262 2  12.253  -0.010   105990   187.6      2   11.659  -0.011   142915   362.2
 Aroclor-1262 3  12.328  -0.008   128158   212.4      3   12.442  -0.009    99688   229.0
 Aroclor-1262 4  12.996  -0.009   129351   267.1      4   12.507  -0.012   248575   364.6
      Total Col1Ave (4 peaks):   409.4       Total Col2Ave (4 peaks):   310.3   RPD = 28
      Corrected Ave (3 peaks):   222.4       Corrected Ave (3 peaks):   292.2   RPD = 27

 Aroclor-1268 1  12.253  -0.010   105990    69.7      1   12.442  -0.007    99688    88.1
 Aroclor-1268 2  12.328  -0.007   128158    86.2      2   12.507  -0.010   248575   214.3
 Aroclor-1268 3  12.733   0.017    56980    46.7      3   12.899  -0.010     4842    11.3
 Aroclor-1268 4  13.497  -0.008    35915     9.7      4   13.716  -0.011    28458     9.2
      Total Col1Ave (4 peaks):    53.1       Total Col2Ave (4 peaks):    80.7   RPD = 41*
      Corrected Ave (3 peaks):    42.0       Corrected Ave (3 peaks):    36.2   RPD = 15
```

Total PCB Area Col1 (5.933 - 13.804) = 4765755 Col1 Total PCB = 1.0 ppm*

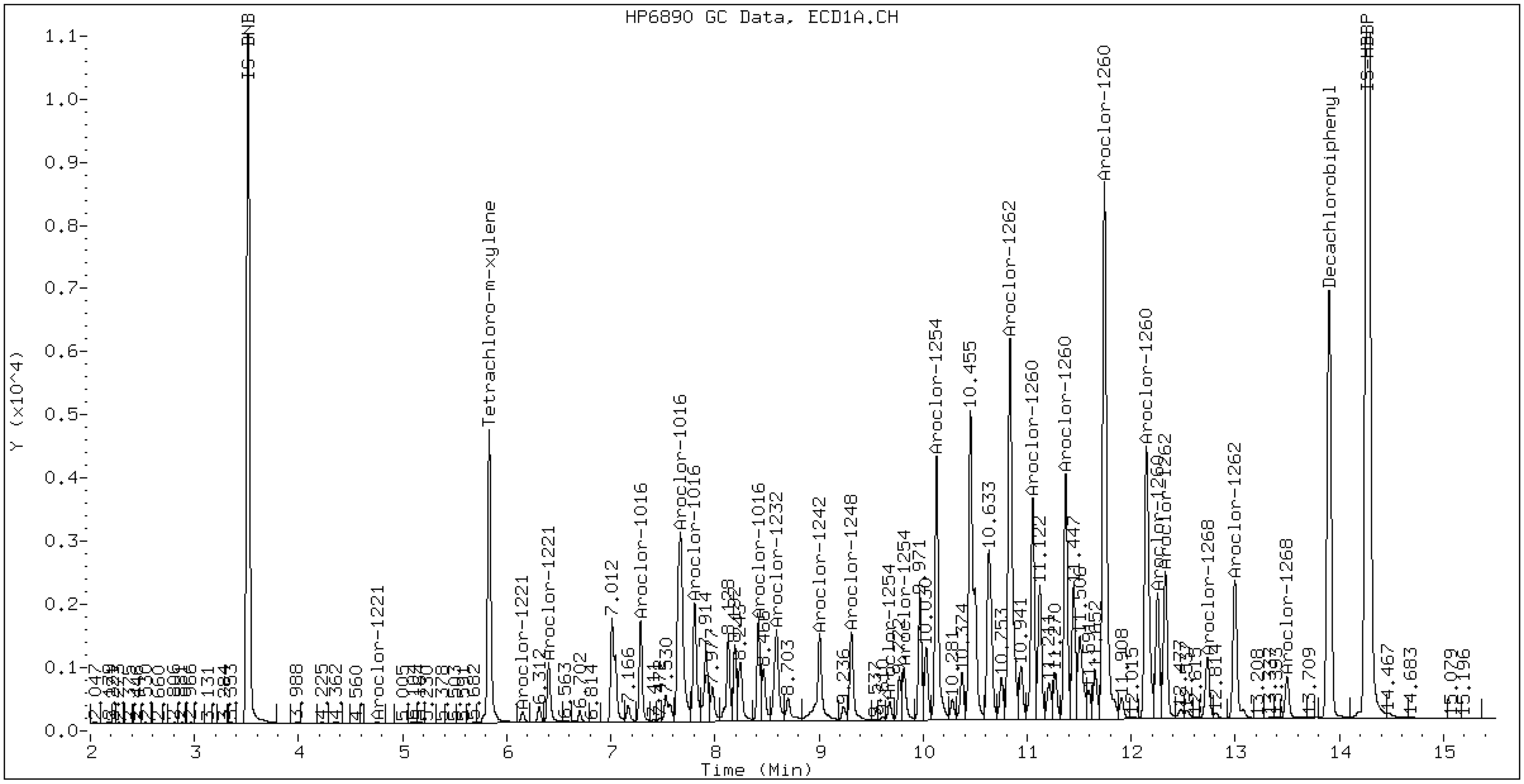
Total PCB Area Col2 (5.809 - 14.028) = 3225467 Col2 Total PCB = 1.0 ppm*

* Quantitated against AR1660 0.25ppm in Ical

PCB-Form 10 Mod.

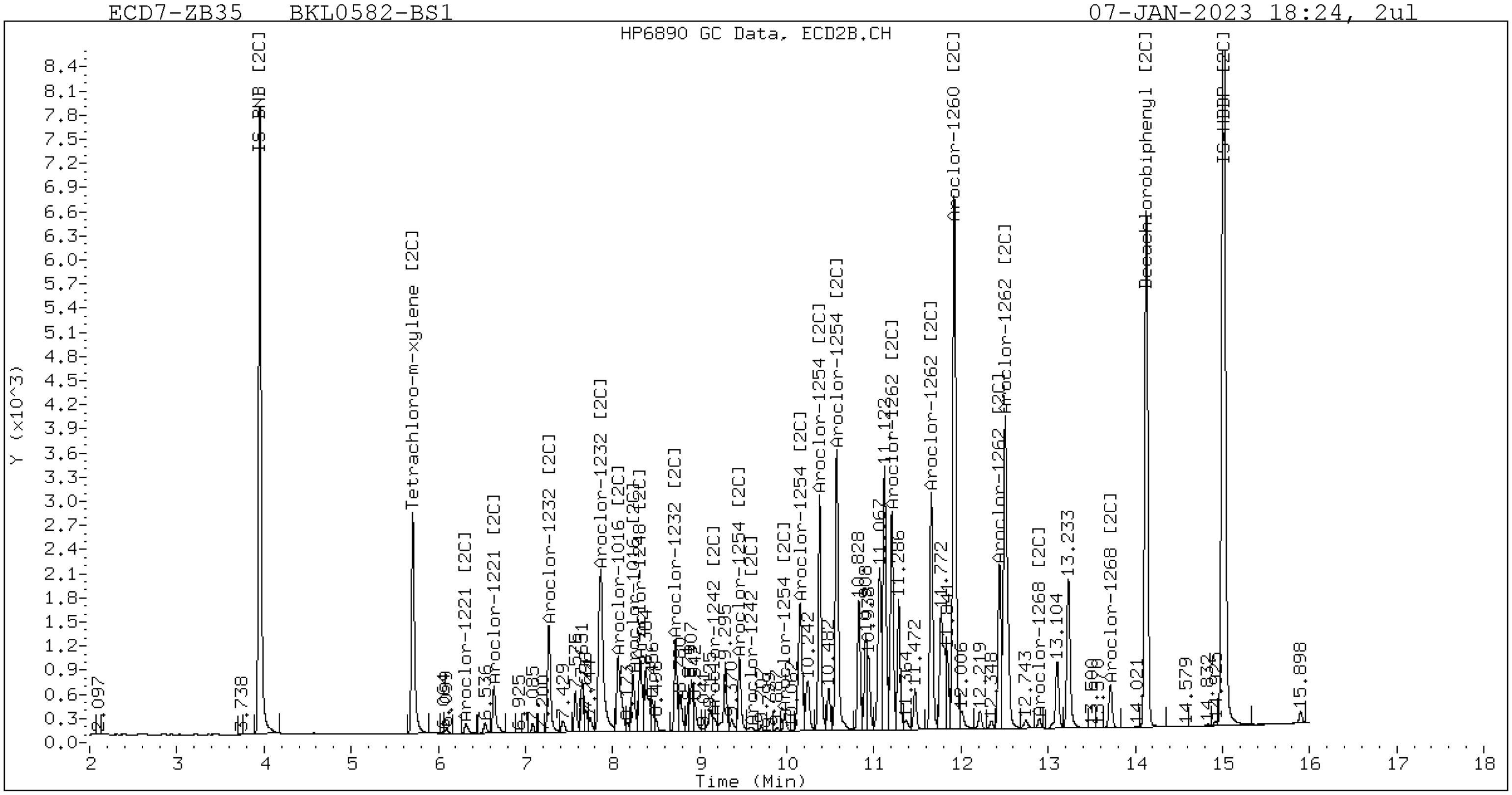
PCB Dual Column Chromatograms

ECD7-ZB5 BKL0582-BS1 07-JAN-2023 18:24, 2ul



ZB-5 Manual Integration: NO

ECD7-ZB35 BKL0582-BS1 07-JAN-2023 18:24, 2ul



ZB-35 Manual Integration: NO

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                              Analytical Resources Inc.
                         Dual Column 608/8082 PCB Quantitation Report

Data file 1: /230107.b/01072327ECD7.D                   ARI ID: BKL0582-BSD1
Data file 2: /230107.b/230107.b/01072327ECD7.D          Client ID:
Method: \\target\share\chem4\ecd7.i\230107.b\PCB.m      Injection Date: 07-JAN-2023 18:45
Compound Sublist: PCB.sub                               Report Date: 01/11/2023 15:12
Instrument, Inj. Vol.: ecd7.i, 2ul                      Matrix: NONE
Quant Method: Internal Std                              Dilution Factor:  1.0



                                 SURROGATES

       ZB5 Col         |       ZB35 Col         |   ZB5    ZB35
  RT    Shift Response | RT    Shift  Response  |  on col  on col    RPD   Compound/Flag
========================================================================================

 5.830 -0.003   240270 | 5.707  -0.002   153044|   34.1    31.6      7.4    Tetrachloro-m-xylene
13.902 -0.001   424541 |14.126  -0.002   365777|   40.6    41.5      2.1    Decachlorobiphenyl


*  Indicates RPD > 40%




                            INTERNAL STANDARD SUMMARY

                                        Column 1
                                 Standard    Sample
               Standard Cpnd       Area*       Area      %D
           --------------------------------------------------
             Bromo-Nitrobenzene    447645      497778   11.2
             Hexabromobiphenyl     798898     1139460   42.6

                                        Column 2
                                 Standard    Sample
               Standard Cpnd       Area*       Area      %D
           --------------------------------------------------
             Bromo-Nitrobenzene    249094     352819    41.6
             Hexabromobiphenyl     362541     620955    71.3


            * Standard Areas taken from Initial Cal Level 3
              Initial Calibration Date: 03-DEC-2022
           <- Indicates standard response outside Limits (-50 to +100%)
```

```
//target/share/chem4/ecd7.i/230107.b/01072327ECD7.D      BKL0582-BSD1                              page 2
                           ZB5 Col                                    ZB35 Col
 Aroclor   Peak#    RT    Shift    Area    Amount    Peak#   RT     Shift    Area   Amount
 ==========================================================================================
 Aroclor-1016 1   7.287  -0.004     73702   443.9      1    7.269  -0.003    74935   415.4
 Aroclor-1016 2   7.669  -0.011    247847   462.3      2    7.864  -0.008   171180   440.0
 Aroclor-1016 3   7.805  -0.008    103284   425.2      3    8.064  -0.007    69499   416.0
 Aroclor-1016 4   8.419  -0.006     75544   487.8      4    8.234  -0.008    41322   470.3
       Total Col1Ave (4 peaks):   454.8       Total Col2Ave (4 peaks):   435.4   RPD = 4
       Corrected Ave (3 peaks):   443.8       Corrected Ave (3 peaks):   423.8   RPD = 5

 Aroclor-1221 1   4.756  -0.004       573    13.9      1    4.979  -0.008      453    15.2
 Aroclor-1221 2   6.151  -0.007      9856   136.0      2    6.316  -0.006     7581   133.6
 Aroclor-1221 3   6.402  -0.007     49065   293.4      3    6.638  -0.007    32552   340.9
       Total Col1Ave (3 peaks):   147.8       Total Col2Ave (3 peaks):   163.2   RPD = 10
       Corrected Ave: < 3 Peaks                      Corrected Ave: < 3 Peaks

 Aroclor-1232 1   4.756  -0.005       573    23.1      1    4.979  -0.011      453    26.4
 Aroclor-1232 2   6.151  -0.008      9856   188.4      2    7.269  -0.008    74935   855.3
 Aroclor-1232 3   7.669  -0.014    247847  1055.0      3    7.864  -0.012   171180   999.4
 Aroclor-1232 4   8.592  -0.014     97642   979.6      4    8.724  -0.010    53403  1149.9
       Total Col1Ave (4 peaks):   561.6       Total Col2Ave (4 peaks):   757.7   RPD = 30
       Corrected Ave (3 peaks):   397.1       Corrected Ave (3 peaks):   627.0   RPD = 45*

 Aroclor-1242 1   7.287  -0.004     73702   522.4      1    7.269  -0.003    74935   501.8
 Aroclor-1242 2   7.669  -0.013    247847   553.3      2    7.864  -0.008   171180   540.0
 Aroclor-1242 3   8.419  -0.007     75544   586.1      3    9.165  -0.014     9664    94.5
 Aroclor-1242 4   9.007  -0.014     97799   365.4      4    9.589  -0.017     5046    41.1
       Total Col1Ave (4 peaks):   506.8       Total Col2Ave (4 peaks):   294.4   RPD = 53*
       Corrected Ave (3 peaks):   480.3       Corrected Ave (3 peaks):   212.5   RPD = 77*

 Aroclor-1248 1   8.419  -0.006     75544   353.0      1    8.318  -0.004    51565   357.8
 Aroclor-1248 2   8.592  -0.011     97642   357.3      2    8.724  -0.004    53403   352.3
 Aroclor-1248 3   9.007  -0.012     97799   198.9      3    9.165  -0.013     9664    52.4
 Aroclor-1248 4   9.312  -0.001     81244   337.3      4    9.589  -0.013     5046    23.3
       Total Col1Ave (4 peaks):   311.6       Total Col2Ave (4 peaks):   196.4   RPD = 45*
       Corrected Ave (3 peaks):   296.4       Corrected Ave (3 peaks):   142.7   RPD = 70*

 Aroclor-1254 1   9.312   0.001     81244   185.4      1    9.457  -0.004    47243   207.7
 Aroclor-1254 2     ---                      0.0      2    9.977  -0.003    10626    58.1
 Aroclor-1254 3   9.680   0.001     15498    56.0      3   10.153   0.020   109119   277.6
 Aroclor-1254 4   9.816   0.002     47407    87.9      4   10.378  -0.005   142755   350.6
 Aroclor-1254 5  10.130  -0.037    223801   605.1      5   10.573  -0.005   192680   981.3
       Total Col1Ave (4 peaks):   233.6       Total Col2Ave (5 peaks):   375.1   RPD = 46*
       Corrected Ave (3 peaks):   109.7       Corrected Ave (4 peaks):   223.5   RPD = 68*

 Aroclor-1260 1  11.054  -0.006    190862   460.2      1   11.660  -0.003   153955   469.7
 Aroclor-1260 2  11.371  -0.005    203364   474.1      2   11.923  -0.005   381693   464.1
 Aroclor-1260 3  11.743  -0.007    535773   475.3      3   12.442  -0.004   109534   500.1
 Aroclor-1260 4  12.146  -0.008    287756   501.3      4   12.507  -0.005   270365   493.1
 Aroclor-1260 5  12.252  -0.004    115397   491.1      NS    ---                       ----
       Total Col1Ave (5 peaks):   480.4       Total Col2Ave (4 peaks):   481.7   RPD = 0
       Corrected Ave (4 peaks):   475.2       Corrected Ave (3 peaks):   475.6   RPD = 0

 Aroclor-1262 1  10.835  -0.013    380273   998.0      1   11.207  -0.011   139928   296.4
 Aroclor-1262 2  12.252  -0.010    115397   194.8      2   11.660  -0.010   153955   376.5
 Aroclor-1262 3  12.327  -0.010    139630   220.7      3   12.442  -0.010   109534   242.8
 Aroclor-1262 4  12.996  -0.009    132302   260.6      4   12.507  -0.013   270365   382.6
       Total Col1Ave (4 peaks):   418.5       Total Col2Ave (4 peaks):   324.6   RPD = 25
       Corrected Ave (3 peaks):   225.3       Corrected Ave (3 peaks):   305.2   RPD = 30

 Aroclor-1268 1  12.252  -0.010    115397    72.4      1   12.442  -0.008   109534    93.4
 Aroclor-1268 2  12.327  -0.009    139630    89.5      2   12.507  -0.010   270365   225.0
 Aroclor-1268 3  12.732   0.016     61624    48.2      3   12.899  -0.011     5402    12.1
 Aroclor-1268 4  13.497  -0.009     39069    10.0      4   13.715  -0.011    30832     9.6
       Total Col1Ave (4 peaks):    55.0       Total Col2Ave (4 peaks):    85.0   RPD = 43*
```

Corrected Ave (3 peaks): 43.5 Corrected Ave (3 peaks): 38.4 RPD = 13

Total PCB Area Col1 (5.933 - 13.804) = 5155475 Col1 Total PCB = 1.1 ppm*

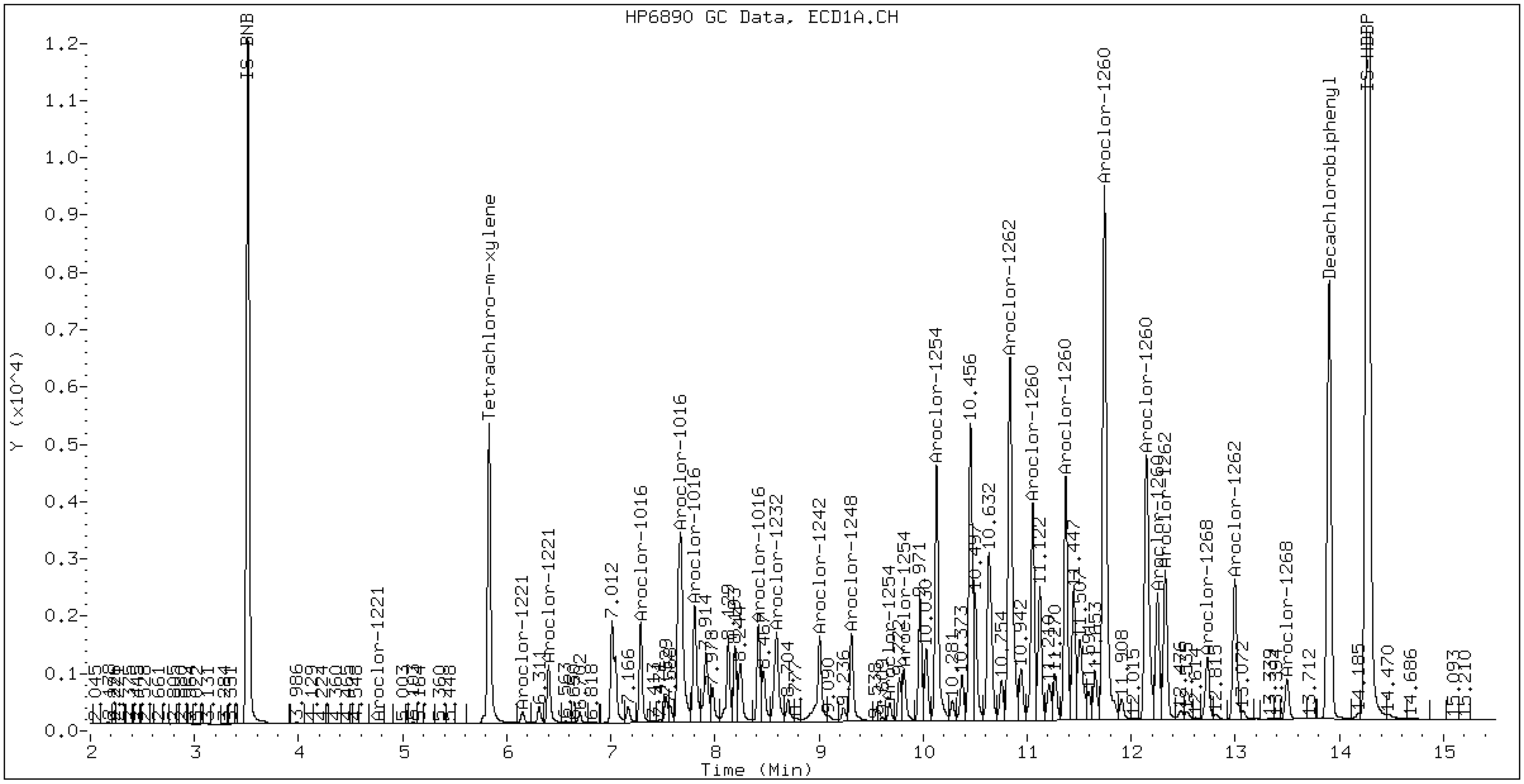
Total PCB Area Col2 (5.809 - 14.028) = 3489410 Col2 Total PCB = 1.1 ppm*

* Quantitated against AR1660 0.25ppm in Ical

PCB-Form 10 Mod.

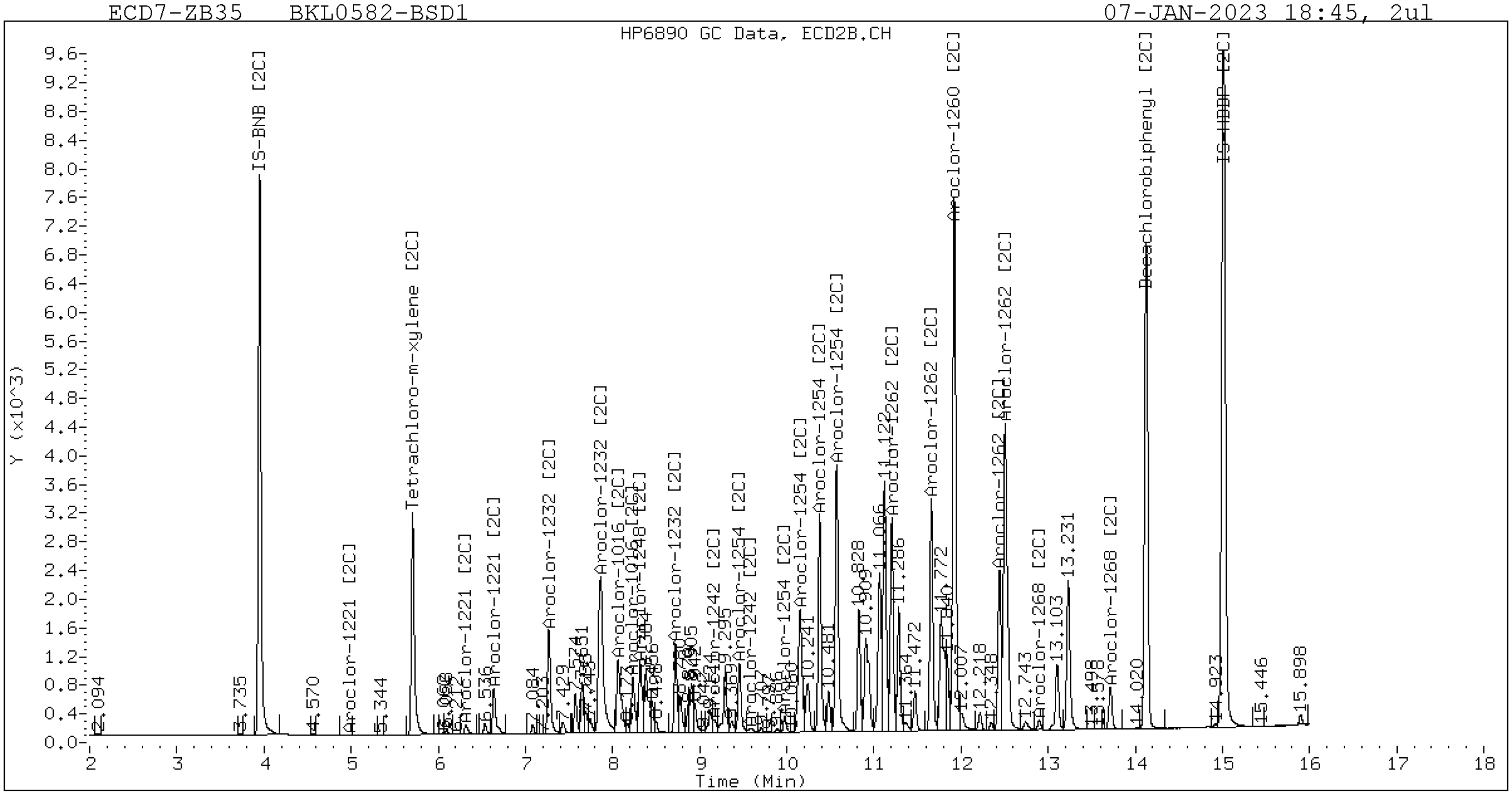
PCB Dual Column Chromatograms

ECD7-ZB5 BKL0582-BSD1 07-JAN-2023 18:45, 2ul



ZB-5 Manual Integration: NO

ECD7-ZB35 BKL0582-BSD1 07-JAN-2023 18:45, 2ul



ZB-35 Manual Integration: NO

LCS / LCS DUPLICATE RECOVERY

EPA 8082A

Laboratory:	Analytical Resources, LLC	SDG:	22L0307
Client:	Anchor QEA, LLC	Project:	AOC4 UR Phase 3
Matrix:	Solid	Analyzed:	01/09/23 10:28
Batch:	BKL0583	Laboratory ID:	BKL0583-BS1
Preparation:	EPA 3546 (Microwave)	Sequence Name:	LCS
Initial/Final:	12.5 g / 2.5 mL		

COMPOUND	SPIKE ADDED (ug/kg wet)	LCS CONCENTRATION (ug/kg wet)	Q	LCS % REC. #	QC LIMITS REC.
Aroclor 1016	101	81.8		81.1	56 - 120
Aroclor 1260 [2C]	101	83.7		83.0	58 - 120

* Indicates values outside of QC limits

COMPOUND	SPIKE ADDED (ug/kg wet)	LCSD CONCENTRATION (ug/kg wet)	Q	LCSD % REC. #	% RPD #	QC LIMITS	
						RPD	REC.
Aroclor 1016	101	89.8		89.1	9.36	30	56 - 120
Aroclor 1260 [2C]	101	91.6		90.8	8.99	30	58 - 120

* Indicates values outside of QC limits

```
                              Analytical Resources Inc.
                         Dual Column 608/8082 PCB Quantitation Report

Data file 1: /230109.b/01092305ECD7.D                       ARI ID: BKL0583-BS1
Data file 2: /230109.b/230109.b/01092305ECD7.D              Client ID:
Method: \\target\share\chem4\ecd7.i\230109.b\PCB.m          Injection Date: 09-JAN-2023 10:28
Compound Sublist: PCB.sub                                   Report Date: 01/14/2023 11:52
Instrument, Inj. Vol.: ecd7.i, 2ul                          Matrix: NONE
Quant Method: Internal Std                                  Dilution Factor:  1.0



                                 SURROGATES

       ZB5 Col          |       ZB35 Col         |   ZB5    ZB35
  RT    Shift Response | RT    Shift  Response  |  on col  on col    RPD   Compound/Flag
==========================================================================================

 5.829 -0.007   266266 | 5.706  -0.007   167467|   35.9    33.4      7.1    Tetrachloro-m-xylene
13.902 -0.006   496963 |14.127  -0.010   412302|   40.9    43.7      6.6    Decachlorobiphenyl


*  Indicates RPD > 40%




                              INTERNAL STANDARD SUMMARY

                                          Column 1
                                   Standard    Sample
                 Standard Cpnd       Area*       Area      %D
             --------------------------------------------------
               Bromo-Nitrobenzene    447645      523560   17.0
               Hexabromobiphenyl     798898     1324153   65.7

                                          Column 2
                                   Standard    Sample
                 Standard Cpnd       Area*       Area      %D
             --------------------------------------------------
               Bromo-Nitrobenzene    249094     365464    46.7
               Hexabromobiphenyl     362541     663958    83.1


              * Standard Areas taken from Initial Cal Level 3
                Initial Calibration Date: 03-DEC-2022
             <- Indicates standard response outside Limits (-50 to +100%)
```

```
//target/share/chem4/ecd7.i/230109.b/01092305ECD7.D      BKL0583-BS1                    page 2
                                ZB5 Col                                ZB35 Col
 Aroclor   Peak#    RT    Shift    Area    Amount    Peak#   RT     Shift    Area   Amount
 ==========================================================================================
 Aroclor-1016 1   7.285  -0.009     69885   400.2      1    7.268  -0.007    70120   375.3
 Aroclor-1016 2   7.668  -0.017    234414   415.7      2    7.864  -0.007   160320   397.8
 Aroclor-1016 3   7.804  -0.014     98000   383.5      3    8.063  -0.007    65322   377.4
 Aroclor-1016 4   8.417  -0.012     71087   436.4      4    8.234  -0.007    38483   422.9
       Total Col1Ave (4 peaks):   409.0       Total Col2Ave (4 peaks):   393.3   RPD = 4
       Corrected Ave (3 peaks):   399.8       Corrected Ave (3 peaks):   383.5   RPD = 4

 Aroclor-1221 1      ---                     0.0      1     ---                      0.0
 Aroclor-1221 2      ---                     0.0      2     ---                      0.0
 Aroclor-1221 3      ---                     0.0      3     ---                      0.0
             Col1Ave: <3 Quant Peaks                   Col2Ave: <3 Quant Peaks

 Aroclor-1232 1      ---                     0.0      1     ---                      0.0
 Aroclor-1232 2      ---                     0.0      2     ---                      0.0
 Aroclor-1232 3      ---                     0.0      3     ---                      0.0
 Aroclor-1232 4      ---                     0.0      4     ---                      0.0
             Col1Ave: <3 Quant Peaks                   Col2Ave: <3 Quant Peaks

 Aroclor-1242 1      ---                     0.0      1     ---                      0.0
 Aroclor-1242 2      ---                     0.0      2     ---                      0.0
 Aroclor-1242 3      ---                     0.0      3     ---                      0.0
 Aroclor-1242 4      ---                     0.0      4     ---                      0.0
             Col1Ave: <3 Quant Peaks                   Col2Ave: <3 Quant Peaks

 Aroclor-1248 1      ---                     0.0      1     ---                      0.0
 Aroclor-1248 2      ---                     0.0      2     ---                      0.0
 Aroclor-1248 3      ---                     0.0      3     ---                      0.0
 Aroclor-1248 4      ---                     0.0      4     ---                      0.0
             Col1Ave: <3 Quant Peaks                   Col2Ave: <3 Quant Peaks

 Aroclor-1254 1      ---                     0.0      1     ---                      0.0
 Aroclor-1254 2      ---                     0.0      2     ---                      0.0
 Aroclor-1254 3      ---                     0.0      3     ---                      0.0
 Aroclor-1254 4      ---                     0.0      4     ---                      0.0
 Aroclor-1254 5      ---                     0.0      5     ---                      0.0
             Col1Ave: <3 Quant Peaks                   Col2Ave: <3 Quant Peaks

 Aroclor-1260 1  11.053  -0.009    185769   385.4      1   11.659  -0.010   144425   412.1
 Aroclor-1260 2  11.369  -0.008    199168   399.5      2   11.922  -0.010   353874   402.4
 Aroclor-1260 3  11.742  -0.010    520187   397.1      3   12.442  -0.010   100474   429.0
 Aroclor-1260 4  12.146  -0.012    278015   416.8      4   12.506  -0.010   252100   430.0
 Aroclor-1260 5  12.252  -0.009    111622   408.8      NS    ---                     ----
       Total Col1Ave (5 peaks):   401.5       Total Col2Ave (4 peaks):   418.4   RPD = 4
       Corrected Ave (4 peaks):   397.7       Corrected Ave (3 peaks):   414.5   RPD = 4

 Aroclor-1262 1      ---                     0.0      1     ---                      0.0
 Aroclor-1262 2      ---                     0.0      2     ---                      0.0
 Aroclor-1262 3      ---                     0.0      3     ---                      0.0
 Aroclor-1262 4      ---                     0.0      4     ---                      0.0
             Col1Ave: <3 Quant Peaks                   Col2Ave: <3 Quant Peaks

 Aroclor-1268 1      ---                     0.0      1     ---                      0.0
 Aroclor-1268 2      ---                     0.0      2     ---                      0.0
 Aroclor-1268 3      ---                     0.0      3     ---                      0.0
 Aroclor-1268 4      ---                     0.0      4     ---                      0.0
             Col1Ave: <3 Quant Peaks                   Col2Ave: <3 Quant Peaks
```

Total PCB Area Col1 (5.936 - 13.808) = 4973060 Col1 Total PCB = 1.0 ppm*

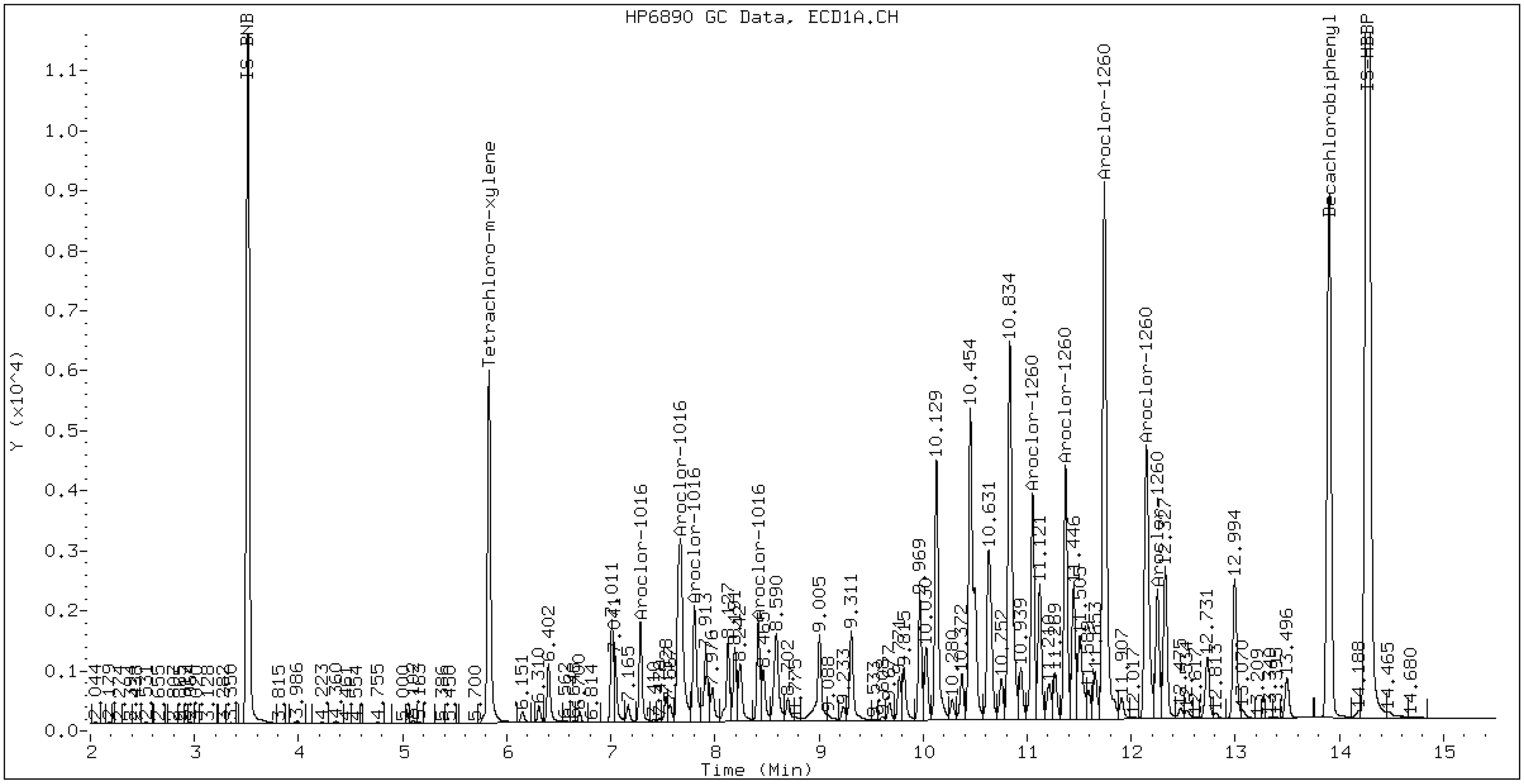
Total PCB Area Col2 (5.813 - 14.037) = 3258120 Col2 Total PCB = 1.0 ppm*

* Quantitated against AR1660 0.25ppm in Ical

PCB-Form 10 Mod.

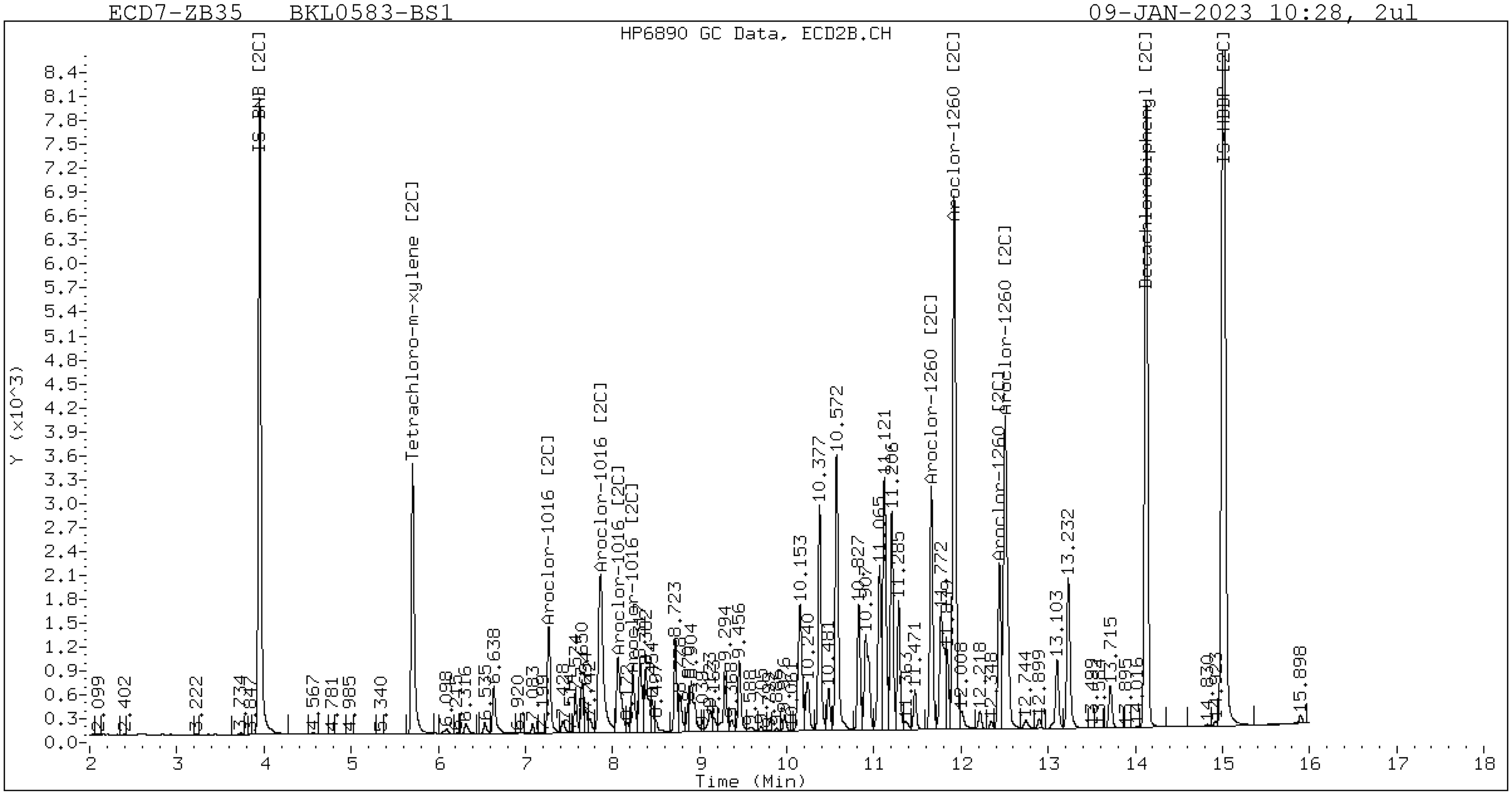
PCB Dual Column Chromatograms

ECD7-ZB5 BKL0583-BS1 09-JAN-2023 10:28, 2ul



ZB-5 Manual Integration: NO

ECD7-ZB35 BKL0583-BS1 09-JAN-2023 10:28, 2ul



ZB-35 Manual Integration: NO

```
                              Analytical Resources Inc.
                         Dual Column 608/8082 PCB Quantitation Report

Data file 1: /230109.b/01092306ECD7.D                  ARI ID: BKL0583-BSD1
Data file 2: /230109.b/230109.b/01092306ECD7.D         Client ID:
Method: \\target\share\chem4\ecd7.i\230109.b\PCB.m     Injection Date: 09-JAN-2023 10:49
Compound Sublist: PCB.sub                              Report Date: 01/14/2023 11:52
Instrument, Inj. Vol.: ecd7.i, 2ul                     Matrix: NONE
Quant Method: Internal Std                             Dilution Factor:  1.0



                                 SURROGATES

       ZB5 Col          |       ZB35 Col         |   ZB5    ZB35
  RT    Shift Response | RT    Shift  Response  |  on col  on col    RPD   Compound/Flag
========================================================================================

 5.830 -0.007   250040 | 5.706  -0.007   154728|   33.7    30.9      8.6    Tetrachloro-m-xylene
13.902 -0.006   480414 |14.126  -0.011   403703|   39.5    42.1      6.3    Decachlorobiphenyl


*  Indicates RPD > 40%



                            INTERNAL STANDARD SUMMARY

                                        Column 1
                                 Standard    Sample
               Standard Cpnd       Area*       Area      %D
           --------------------------------------------------
             Bromo-Nitrobenzene    447645      523663   17.0
             Hexabromobiphenyl     798898     1326130   66.0

                                        Column 2
                                 Standard    Sample
               Standard Cpnd       Area*       Area      %D
           --------------------------------------------------
             Bromo-Nitrobenzene    249094     365125    46.6
             Hexabromobiphenyl     362541     675321    86.3


            * Standard Areas taken from Initial Cal Level 3
              Initial Calibration Date: 03-DEC-2022
           <- Indicates standard response outside Limits (-50 to +100%)
```

```
                            ZB5 Col                                ZB35 Col
 Aroclor   Peak#    RT    Shift    Area    Amount    Peak#   RT     Shift    Area   Amount
 ===========================================================================================
 Aroclor-1016 1   7.285  -0.010     76221   436.3      1    7.268  -0.007    76449   409.5
 Aroclor-1016 2   7.667  -0.018    257710   457.0      2    7.863  -0.007   176212   437.7
 Aroclor-1016 3   7.803  -0.014    107120   419.2      3    8.062  -0.008    71921   416.0
 Aroclor-1016 4   8.416  -0.013     78851   484.0      4    8.233  -0.008    42775   470.5
       Total Col1Ave (4 peaks):   449.1       Total Col2Ave (4 peaks):   433.4   RPD = 4
       Corrected Ave (3 peaks):   437.5       Corrected Ave (3 peaks):   421.0   RPD = 4

 Aroclor-1221 1      ---                    0.0      1     ---                      0.0
 Aroclor-1221 2      ---                    0.0      2     ---                      0.0
 Aroclor-1221 3      ---                    0.0      3     ---                      0.0
             Col1Ave: <3 Quant Peaks                  Col2Ave: <3 Quant Peaks

 Aroclor-1232 1      ---                    0.0      1     ---                      0.0
 Aroclor-1232 2      ---                    0.0      2     ---                      0.0
 Aroclor-1232 3      ---                    0.0      3     ---                      0.0
 Aroclor-1232 4      ---                    0.0      4     ---                      0.0
             Col1Ave: <3 Quant Peaks                  Col2Ave: <3 Quant Peaks

 Aroclor-1242 1      ---                    0.0      1     ---                      0.0
 Aroclor-1242 2      ---                    0.0      2     ---                      0.0
 Aroclor-1242 3      ---                    0.0      3     ---                      0.0
 Aroclor-1242 4      ---                    0.0      4     ---                      0.0
             Col1Ave: <3 Quant Peaks                  Col2Ave: <3 Quant Peaks

 Aroclor-1248 1      ---                    0.0      1     ---                      0.0
 Aroclor-1248 2      ---                    0.0      2     ---                      0.0
 Aroclor-1248 3      ---                    0.0      3     ---                      0.0
 Aroclor-1248 4      ---                    0.0      4     ---                      0.0
             Col1Ave: <3 Quant Peaks                  Col2Ave: <3 Quant Peaks

 Aroclor-1254 1     ---                     0.0      1    9.456  -0.011    48210   204.8
 Aroclor-1254 2     ---                     0.0      2    9.976  -0.011    10613    56.1
 Aroclor-1254 3     ---                     0.0      3   10.152   0.013   111452   274.0
 Aroclor-1254 4     ---                     0.0      4   10.377  -0.012   145993   346.5
 Aroclor-1254 5     ---                     0.0      5   10.572  -0.014   196670   967.8
             Col1Ave: <3 Quant Peaks                       Col2Ave:   369.8

 Aroclor-1260 1  11.053  -0.010    201855   418.2      1   11.659  -0.010   159306   446.9
 Aroclor-1260 2  11.369  -0.008    217012   434.7      2   11.924  -0.009   392840   439.2
 Aroclor-1260 3  11.741  -0.010    572339   436.3      3   12.442  -0.010   113398   476.1
 Aroclor-1260 4  12.144  -0.014    307844   460.8      4   12.507  -0.010   279630   469.0
 Aroclor-1260 5  12.252  -0.009    122864   449.3     NS    ---                      ----
       Total Col1Ave (5 peaks):   439.8       Total Col2Ave (4 peaks):   457.8   RPD = 4
       Corrected Ave (4 peaks):   434.6       Corrected Ave (3 peaks):   451.7   RPD = 4

 Aroclor-1262 1      ---                    0.0      1     ---                      0.0
 Aroclor-1262 2      ---                    0.0      2     ---                      0.0
 Aroclor-1262 3      ---                    0.0      3     ---                      0.0
 Aroclor-1262 4      ---                    0.0      4     ---                      0.0
             Col1Ave: <3 Quant Peaks                  Col2Ave: <3 Quant Peaks

 Aroclor-1268 1      ---                    0.0      1     ---                      0.0
 Aroclor-1268 2      ---                    0.0      2     ---                      0.0
 Aroclor-1268 3      ---                    0.0      3     ---                      0.0
 Aroclor-1268 4      ---                    0.0      4     ---                      0.0
             Col1Ave: <3 Quant Peaks                  Col2Ave: <3 Quant Peaks
```

Total PCB Area Col1 (5.936 - 13.808) = 5429198 Col1 Total PCB = 1.1 ppm*

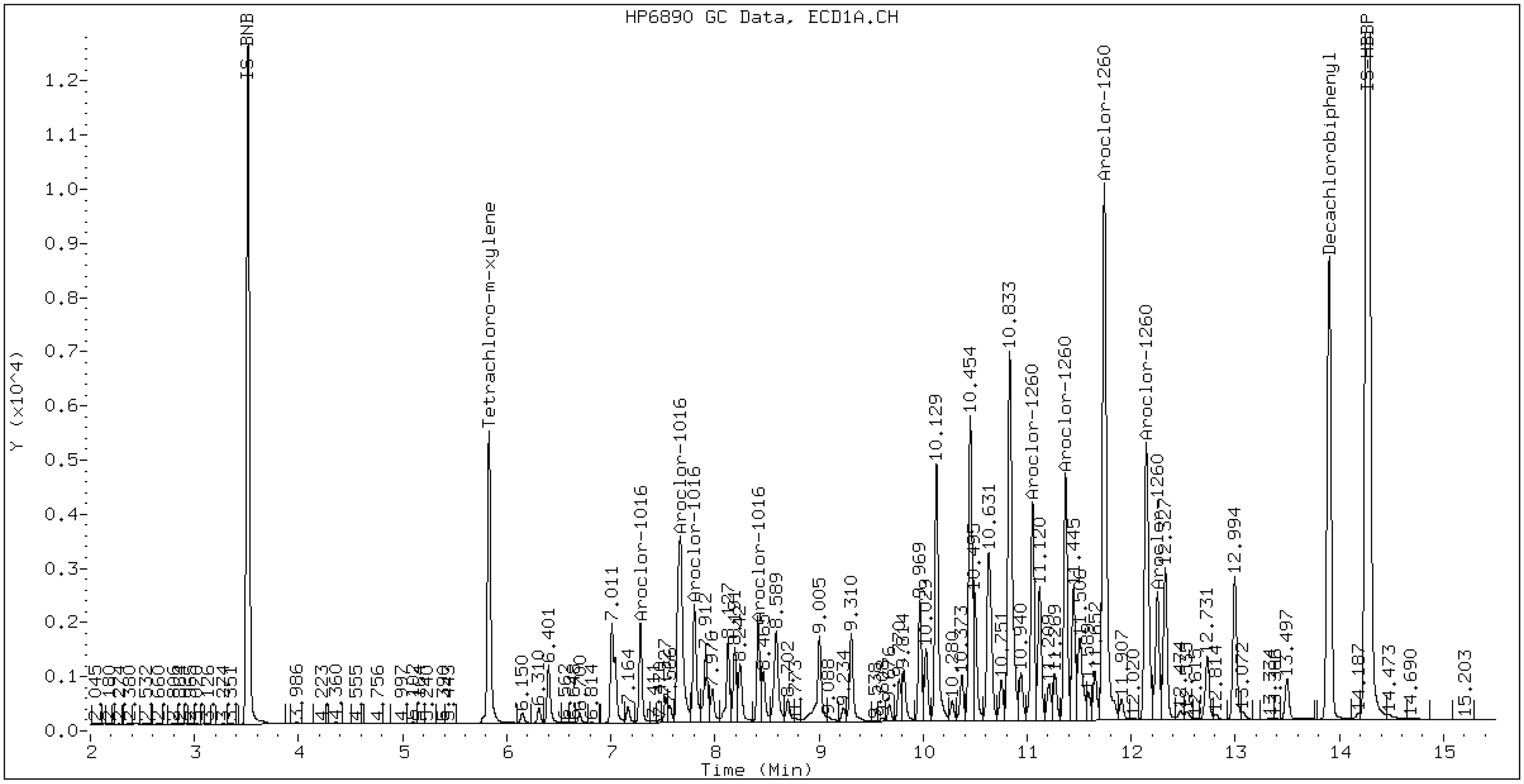
Total PCB Area Col2 (5.813 - 14.037) = 3592256 Col2 Total PCB = 1.0 ppm*

* Quantitated against AR1660 0.25ppm in Ical

PCB-Form 10 Mod.

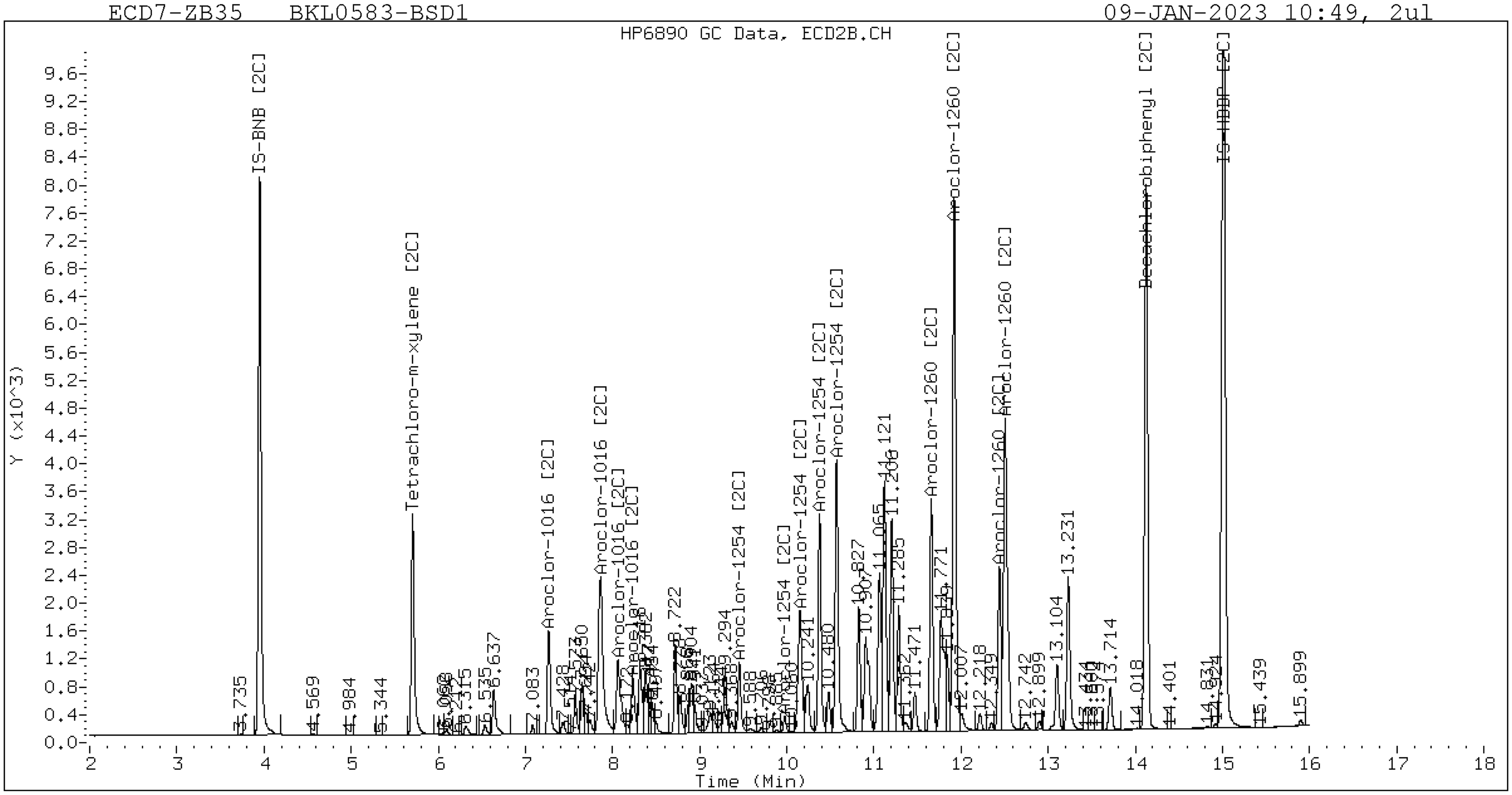
PCB Dual Column Chromatograms

ECD7-ZB5 BKL0583-BSD1 09-JAN-2023 10:49, 2ul



ZB-5 Manual Integration: NO

ECD7-ZB35 BKL0583-BSD1 09-JAN-2023 10:49, 2ul



ZB-35 Manual Integration: NO

LCS / LCS DUPLICATE RECOVERY

EPA 8082A

Laboratory:	Analytical Resources, LLC	SDG:	22L0307
Client:	Anchor QEA, LLC	Project:	AOC4 UR Phase 3
Matrix:	Solid	Analyzed:	01/08/23 06:42
Batch:	BKL0584	Laboratory ID:	BKL0584-BS1
Preparation:	EPA 3546 (Microwave)	Sequence Name:	LCS
Initial/Final:	12.5 g / 2.5 mL		

COMPOUND	SPIKE ADDED (ug/kg wet)	LCS CONCENTRATION (ug/kg wet)	Q	LCS % REC. #	QC LIMITS REC.
Aroclor 1016	101	92.0		91.3	56 - 120
Aroclor 1260 [2C]	101	96.8		96.0	58 - 120

* Indicates values outside of QC limits

COMPOUND	SPIKE ADDED (ug/kg wet)	LCSD CONCENTRATION (ug/kg wet)	Q	LCSD % REC. #	% RPD #	QC LIMITS	
						RPD	REC.
Aroclor 1016	101	95.5		94.8	3.78	30	56 - 120
Aroclor 1260 [2C]	101	96.7		96.0	0.0649	30	58 - 120

* Indicates values outside of QC limits

```
                              Analytical Resources Inc.
                         Dual Column 608/8082 PCB Quantitation Report

Data file 1: /230107.b/01072361ECD7.D                   ARI ID: BKL0584-BS1
Data file 2: /230107.b/230107.b/01072361ECD7.D          Client ID:
Method: \\target\share\chem4\ecd7.i\230107.b\PCB.m      Injection Date: 08-JAN-2023 06:42
Compound Sublist: PCB.sub                               Report Date: 01/11/2023 15:13
Instrument, Inj. Vol.: ecd7.i, 2ul                      Matrix: NONE
Quant Method: Internal Std                              Dilution Factor:  1.0



                                 SURROGATES

       ZB5 Col         |       ZB35 Col         |   ZB5    ZB35
  RT    Shift Response | RT    Shift  Response  |  on col  on col    RPD   Compound/Flag
========================================================================================

 5.830 -0.003   246663 | 5.707  -0.002   153608|   34.1    31.1      9.4    Tetrachloro-m-xylene
13.901 -0.003   434594 |14.125  -0.003   360483|   40.0    39.5      1.3    Decachlorobiphenyl


*  Indicates RPD > 40%



                            INTERNAL STANDARD SUMMARY

                                        Column 1
                                 Standard    Sample
               Standard Cpnd       Area*       Area      %D
           --------------------------------------------------
             Bromo-Nitrobenzene    447645      510224   14.0
             Hexabromobiphenyl     798898     1185101   48.3

                                        Column 2
                                 Standard    Sample
               Standard Cpnd       Area*       Area      %D
           --------------------------------------------------
             Bromo-Nitrobenzene    249094     360748    44.8
             Hexabromobiphenyl     362541     642780    77.3


            * Standard Areas taken from Initial Cal Level 3
              Initial Calibration Date: 03-DEC-2022
           <- Indicates standard response outside Limits (-50 to +100%)
```

```
//target/share/chem4/ecd7.i/230107.b/01072361ECD7.D      BKL0584-BS1                    page 2
                            ZB5 Col                            ZB35 Col
 Aroclor   Peak#    RT    Shift    Area    Amount    Peak#   RT     Shift    Area   Amount
 ==========================================================================================
 Aroclor-1016 1   7.287  -0.004     75875   445.8      1    7.270  -0.002    76047   412.3
 Aroclor-1016 2   7.669  -0.011    256894   467.5      2    7.865  -0.008   177091   445.2
 Aroclor-1016 3   7.805  -0.008    106765   428.8      3    8.064  -0.007    71665   419.5
 Aroclor-1016 4   8.418  -0.007     79003   497.7      4    8.234  -0.008    42580   474.0
       Total Col1Ave (4 peaks):   459.9       Total Col2Ave (4 peaks):   437.7   RPD = 5
       Corrected Ave (3 peaks):   447.4       Corrected Ave (3 peaks):   425.7   RPD = 5

 Aroclor-1221 1   4.756  -0.004       469    11.1      1     ---                      0.0
 Aroclor-1221 2   6.152  -0.007     10398   139.9      2    6.317  -0.005     7578   130.6
 Aroclor-1221 3   6.403  -0.006     50073   292.1      3    6.639  -0.006    34314   351.4
       Total Col1Ave (3 peaks):   147.7                Col2Ave: <3 Quant Peaks

 Aroclor-1232 1   4.756  -0.005       469    18.5      1     ---                      0.0
 Aroclor-1232 2   6.152  -0.008     10398   193.9      2    7.270  -0.007    76047   848.9
 Aroclor-1232 3   7.669  -0.015    256894  1066.8      3    7.865  -0.011   177091  1011.2
 Aroclor-1232 4   8.591  -0.014    104037  1018.3      4    8.724  -0.010    55632  1171.6
       Total Col1Ave (4 peaks):   574.4       Total Col2Ave (3 peaks):  1010.5   RPD = 55*
       Corrected Ave (3 peaks):   410.2                     Corrected Ave: < 3 Peaks

 Aroclor-1242 1   7.287  -0.004     75875   524.7      1    7.270  -0.002    76047   498.1
 Aroclor-1242 2   7.669  -0.013    256894   559.5      2    7.865  -0.007   177091   546.4
 Aroclor-1242 3   8.418  -0.008     79003   598.0      3    9.164  -0.016    10484   100.3
 Aroclor-1242 4   9.006  -0.015    103086   375.8      4    9.587  -0.019     5353    42.6
       Total Col1Ave (4 peaks):   514.5       Total Col2Ave (4 peaks):   296.8   RPD = 54*
       Corrected Ave (3 peaks):   486.6       Corrected Ave (3 peaks):   213.6   RPD = 78*

 Aroclor-1248 1   8.418  -0.007     79003   360.1      1    8.318  -0.005    53053   360.0
 Aroclor-1248 2   8.591  -0.011    104037   371.4      2    8.724  -0.005    55632   358.9
 Aroclor-1248 3   9.006  -0.013    103086   204.6      3    9.164  -0.015    10484    55.6
 Aroclor-1248 4   9.311  -0.002     86418   350.1      4    9.587  -0.015     5353    24.2
       Total Col1Ave (4 peaks):   321.6       Total Col2Ave (4 peaks):   199.7   RPD = 47*
       Corrected Ave (3 peaks):   304.9       Corrected Ave (3 peaks):   146.2   RPD = 70*

 Aroclor-1254 1   9.311   0.000     86418   192.4      1    9.456  -0.005    49918   214.6
 Aroclor-1254 2     ---                       0.0     2    9.976  -0.004    11291    60.4
 Aroclor-1254 3   9.678  -0.001     16860    59.4      3   10.153   0.020   116358   289.5
 Aroclor-1254 4   9.815   0.000     50964    92.1      4   10.378  -0.004   151195   363.2
 Aroclor-1254 5  10.130  -0.038    240819   635.2      5   10.572  -0.006   205109  1021.6
       Total Col1Ave (4 peaks):   244.8       Total Col2Ave (5 peaks):   389.9   RPD = 46*
       Corrected Ave (3 peaks):   114.6       Corrected Ave (4 peaks):   231.9   RPD = 68*

 Aroclor-1260 1  11.052  -0.007    202605   469.7      1   11.659  -0.004   161094   474.8
 Aroclor-1260 2  11.370  -0.006    211577   474.2      2   11.923  -0.006   397159   466.5
 Aroclor-1260 3  11.742  -0.008    539470   460.2      3   12.441  -0.005   112891   497.9
 Aroclor-1260 4  12.146  -0.008    281573   471.6      4   12.506  -0.005   281746   496.4
 Aroclor-1260 5  12.252  -0.005    113564   464.7      NS    ---                     ----
       Total Col1Ave (5 peaks):   468.1       Total Col2Ave (4 peaks):   483.9   RPD = 3
       Corrected Ave (4 peaks):   466.5       Corrected Ave (3 peaks):   479.2   RPD = 3

 Aroclor-1262 1  10.834  -0.014    404819  1021.5      1   11.206  -0.011   147565   301.9
 Aroclor-1262 2  12.252  -0.011    113564   184.3      2   11.659  -0.011   161094   380.6
 Aroclor-1262 3  12.326  -0.010    136740   207.8      3   12.441  -0.011   112891   241.8
 Aroclor-1262 4  12.994  -0.011    140244   265.6      4   12.506  -0.013   281746   385.2
       Total Col1Ave (4 peaks):   419.8       Total Col2Ave (4 peaks):   327.4   RPD = 25
       Corrected Ave (3 peaks):   219.2       Corrected Ave (3 peaks):   308.1   RPD = 34

 Aroclor-1268 1  12.252  -0.010    113564    68.5      1   12.441  -0.009   112891    93.0
 Aroclor-1268 2  12.326  -0.009    136740    84.3      2   12.506  -0.011   281746   226.5
 Aroclor-1268 3  12.733   0.017     63520    47.8      3   12.899  -0.011     5705    12.4
 Aroclor-1268 4  13.496  -0.009     43082    10.6      4   13.713  -0.013    30983     9.3
       Total Col1Ave (4 peaks):    52.8       Total Col2Ave (4 peaks):    85.3   RPD = 47*
       Corrected Ave (3 peaks):    42.3       Corrected Ave (3 peaks):    38.2   RPD = 10
```

Total PCB Area Col1 (5.933 - 13.804) = 5380945 Col1 Total PCB = 1.1 ppm*

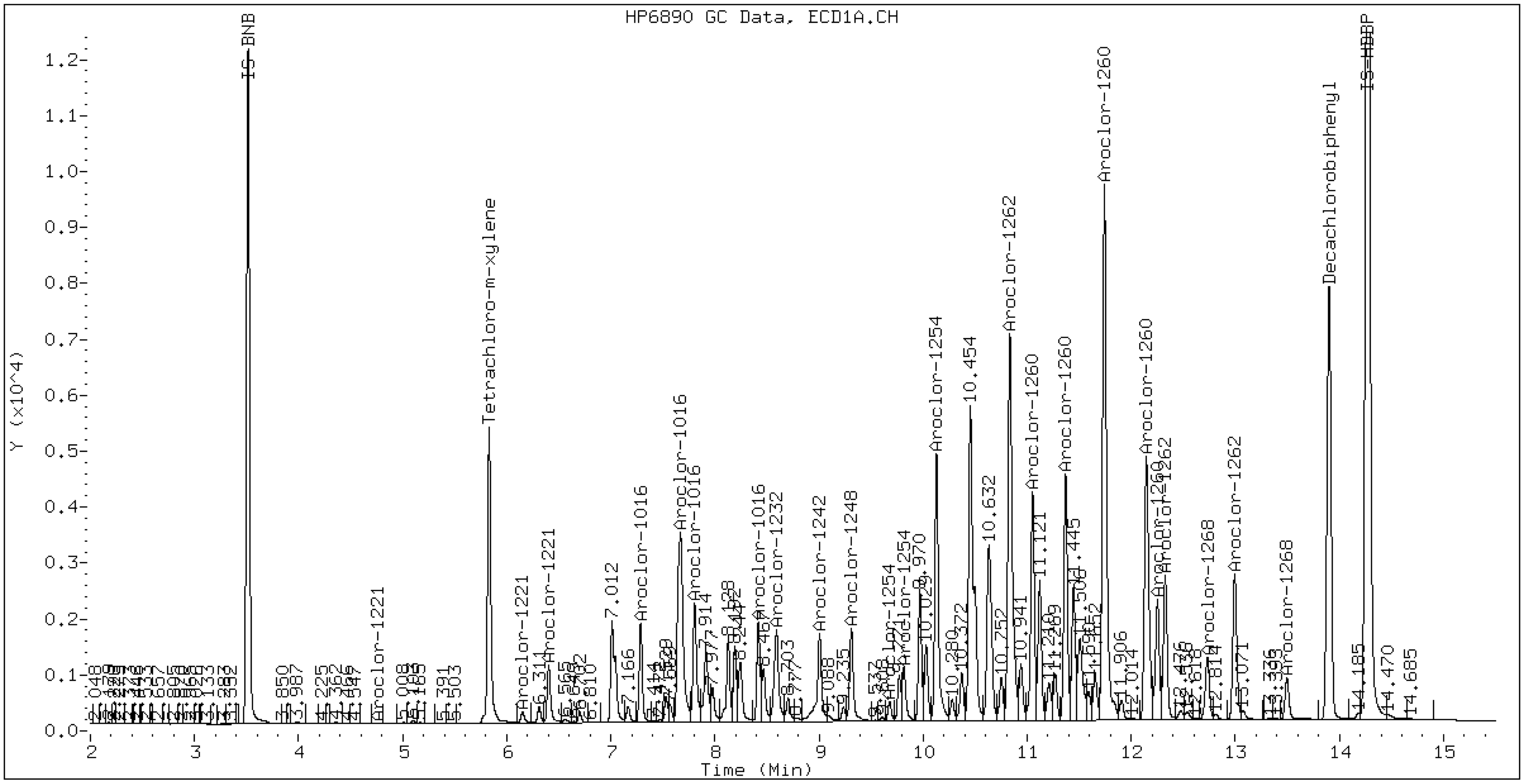
Total PCB Area Col2 (5.809 - 14.028) = 3651710 Col2 Total PCB = 1.1 ppm*

* Quantitated against AR1660 0.25ppm in Ical

PCB-Form 10 Mod.

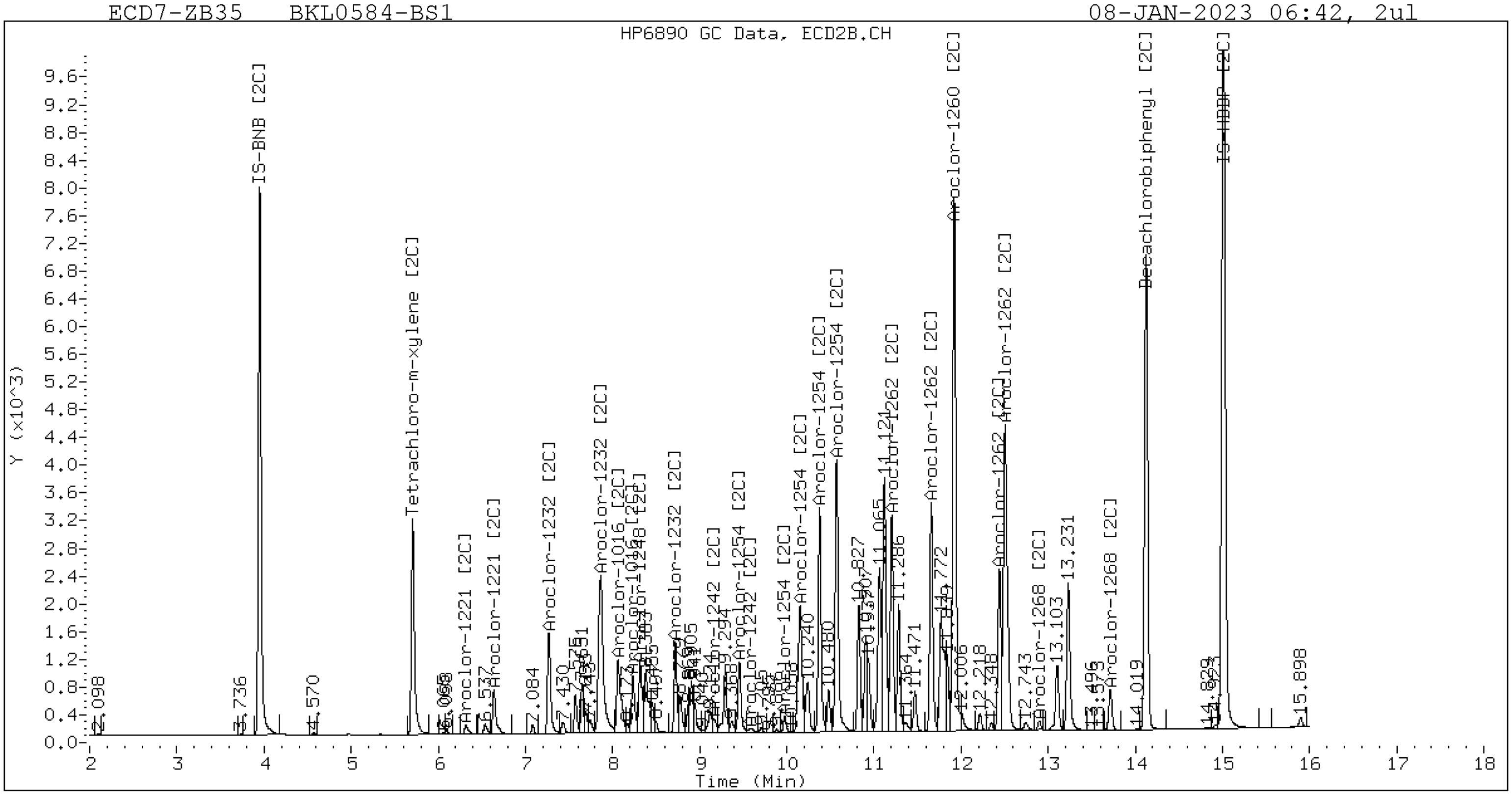
PCB Dual Column Chromatograms

ECD7-ZB5 BKL0584-BS1 08-JAN-2023 06:42, 2ul



ZB-5 Manual Integration: NO

ECD7-ZB35 BKL0584-BS1 08-JAN-2023 06:42, 2ul



ZB-35 Manual Integration: NO

```
                              Analytical Resources Inc.
                         Dual Column 608/8082 PCB Quantitation Report

 Data file 1: /230107.b/01072362ECD7.D                   ARI ID: BKL0584-BSD1
 Data file 2: /230107.b/230107.b/01072362ECD7.D          Client ID:
 Method: \\target\share\chem4\ecd7.i\230107.b\PCB.m      Injection Date: 08-JAN-2023 07:03
 Compound Sublist: PCB.sub                               Report Date: 01/11/2023 15:13
 Instrument, Inj. Vol.: ecd7.i, 2ul                      Matrix: NONE
 Quant Method: Internal Std                              Dilution Factor:  1.0



                                   SURROGATES

        ZB5 Col          |       ZB35 Col         |   ZB5    ZB35
   RT    Shift Response | RT    Shift  Response  |  on col  on col    RPD   Compound/Flag
 ==========================================================================================

  5.832 -0.001   237102 | 5.708  -0.001   148118|   35.0    31.7      9.8    Tetrachloro-m-xylene
 13.902 -0.002   416711 |14.126  -0.002   343686|   40.7    39.4      3.3    Decachlorobiphenyl


*  Indicates RPD > 40%




                              INTERNAL STANDARD SUMMARY

                                          Column 1
                                   Standard    Sample
                  Standard Cpnd       Area*       Area      %D
               --------------------------------------------------
                 Bromo-Nitrobenzene    447645      478303    6.8
                 Hexabromobiphenyl     798898     1116053   39.7

                                          Column 2
                                   Standard    Sample
                  Standard Cpnd       Area*       Area      %D
               --------------------------------------------------
                 Bromo-Nitrobenzene    249094     340802    36.8
                 Hexabromobiphenyl     362541     614196    69.4


                * Standard Areas taken from Initial Cal Level 3
                  Initial Calibration Date: 03-DEC-2022
               <- Indicates standard response outside Limits (-50 to +100%)
```

```
                            ZB5 Col                                   ZB35 Col
 Aroclor   Peak#    RT    Shift    Area    Amount    Peak#   RT     Shift    Area   Amount
 ==========================================================================================
 Aroclor-1016 1   7.287  -0.004     73257   459.1      1    7.270  -0.002    74669   428.5
 Aroclor-1016 2   7.669  -0.011    249925   485.2      2    7.865  -0.008   173350   461.3
 Aroclor-1016 3   7.805  -0.008    105317   451.2      3    8.064  -0.007    70745   438.3
 Aroclor-1016 4   8.418  -0.007     76645   515.0      4    8.234  -0.009    42027   495.2
       Total Col1Ave (4 peaks):   477.6       Total Col2Ave (4 peaks):   455.8   RPD = 5
       Corrected Ave (3 peaks):   465.2       Corrected Ave (3 peaks):   442.7   RPD = 5

 Aroclor-1221 1   4.760  -0.000       439    11.1      1    4.982  -0.005      284     9.9
 Aroclor-1221 2   6.152  -0.006     10167   146.0      2    6.317  -0.004     7270   132.6
 Aroclor-1221 3   6.403  -0.005     48494   301.8      3    6.640  -0.006    32870   356.3
       Total Col1Ave (3 peaks):   152.9       Total Col2Ave (3 peaks):   166.3   RPD = 8
       Corrected Ave: < 3 Peaks                      Corrected Ave: < 3 Peaks

 Aroclor-1232 1   4.760  -0.001       439    18.4      1    4.982  -0.007      284    17.1
 Aroclor-1232 2   6.152  -0.007     10167   202.3      2    7.270  -0.007    74669   882.3
 Aroclor-1232 3   7.669  -0.014    249925  1107.2      3    7.865  -0.012   173350  1047.7
 Aroclor-1232 4   8.591  -0.014    100710  1051.6      4    8.723  -0.011    54434  1213.4
       Total Col1Ave (4 peaks):   594.9       Total Col2Ave (4 peaks):   790.1   RPD = 28
       Corrected Ave (3 peaks):   424.1       Corrected Ave (3 peaks):   649.0   RPD = 42*

 Aroclor-1242 1   7.287  -0.004     73257   540.4      1    7.270  -0.002    74669   517.7
 Aroclor-1242 2   7.669  -0.013    249925   580.6      2    7.865  -0.008   173350   566.1
 Aroclor-1242 3   8.418  -0.007     76645   618.9      3    9.165  -0.015    10459   105.9
 Aroclor-1242 4   9.005  -0.015    106946   415.9      4    9.589  -0.017     5405    45.5
       Total Col1Ave (4 peaks):   538.9       Total Col2Ave (4 peaks):   308.8   RPD = 54*
       Corrected Ave (3 peaks):   512.3       Corrected Ave (3 peaks):   223.0   RPD = 79*

 Aroclor-1248 1   8.418  -0.007     76645   372.7      1    8.317  -0.005    52565   377.6
 Aroclor-1248 2   8.591  -0.011    100710   383.6      2    8.723  -0.005    54434   371.7
 Aroclor-1248 3   9.005  -0.014    106946   226.4      3    9.165  -0.014    10459    58.7
 Aroclor-1248 4   9.310  -0.003     84358   364.5      4    9.589  -0.013     5405    25.8
       Total Col1Ave (4 peaks):   336.8       Total Col2Ave (4 peaks):   208.5   RPD = 47*
       Corrected Ave (3 peaks):   321.2       Corrected Ave (3 peaks):   152.1   RPD = 71*

 Aroclor-1254 1   9.310  -0.001     84358   200.3      1    9.457  -0.004    48412   220.3
 Aroclor-1254 2     ---                       0.0     2    9.976  -0.004    10186    57.7
 Aroclor-1254 3   9.678  -0.000     13837    52.0      3   10.153   0.020   111299   293.1
 Aroclor-1254 4   9.815   0.000     49099    94.7      4   10.378  -0.004   146307   372.0
 Aroclor-1254 5  10.129  -0.038    233482   656.9      5   10.573  -0.005   197862  1043.2
       Total Col1Ave (4 peaks):   251.0       Total Col2Ave (5 peaks):   397.3   RPD = 45*
       Corrected Ave (3 peaks):   115.7       Corrected Ave (4 peaks):   235.8   RPD = 68*

 Aroclor-1260 1  11.053  -0.007    194452   478.7      1   11.659  -0.004   155262   478.9
 Aroclor-1260 2  11.370  -0.006    205575   489.3      2   11.923  -0.005   378631   465.4
 Aroclor-1260 3  11.742  -0.008    525264   475.8      3   12.442  -0.004   107590   496.6
 Aroclor-1260 4  12.145  -0.009    273116   485.8      4   12.507  -0.004   267589   493.4
 Aroclor-1260 5  12.252  -0.005    108819   472.8      NS    ---                      ----
       Total Col1Ave (5 peaks):   480.5       Total Col2Ave (4 peaks):   483.6   RPD = 1
       Corrected Ave (4 peaks):   478.3       Corrected Ave (3 peaks):   479.2   RPD = 0

 Aroclor-1262 1  10.833  -0.015    393195  1053.5      1   11.206  -0.011   142478   305.1
 Aroclor-1262 2  12.252  -0.011    108819   187.5      2   11.659  -0.012   155262   383.9
 Aroclor-1262 3  12.327  -0.009    130761   211.0      3   12.442  -0.009   107590   241.1
 Aroclor-1262 4  12.995  -0.010    131364   264.1      4   12.507  -0.012   267589   382.9
       Total Col1Ave (4 peaks):   429.1       Total Col2Ave (4 peaks):   328.2   RPD = 27
       Corrected Ave (3 peaks):   220.9       Corrected Ave (3 peaks):   309.7   RPD = 33

 Aroclor-1268 1  12.252  -0.010    108819    69.7      1   12.442  -0.008   107590    92.8
 Aroclor-1268 2  12.327  -0.008    130761    85.6      2   12.507  -0.010   267589   225.1
 Aroclor-1268 3  12.731   0.015     58888    47.0      3   12.899  -0.011     5404    12.3
 Aroclor-1268 4  13.496  -0.010     41048    10.7      4   13.715  -0.011    29755     9.4
       Total Col1Ave (4 peaks):    53.3       Total Col2Ave (4 peaks):    84.9   RPD = 46*
```

Corrected Ave (3 peaks): 42.5 Corrected Ave (3 peaks): 38.1 RPD = 11

Total PCB Area Col1 (5.933 - 13.804) = 5190243 Col1 Total PCB = 1.1 ppm*

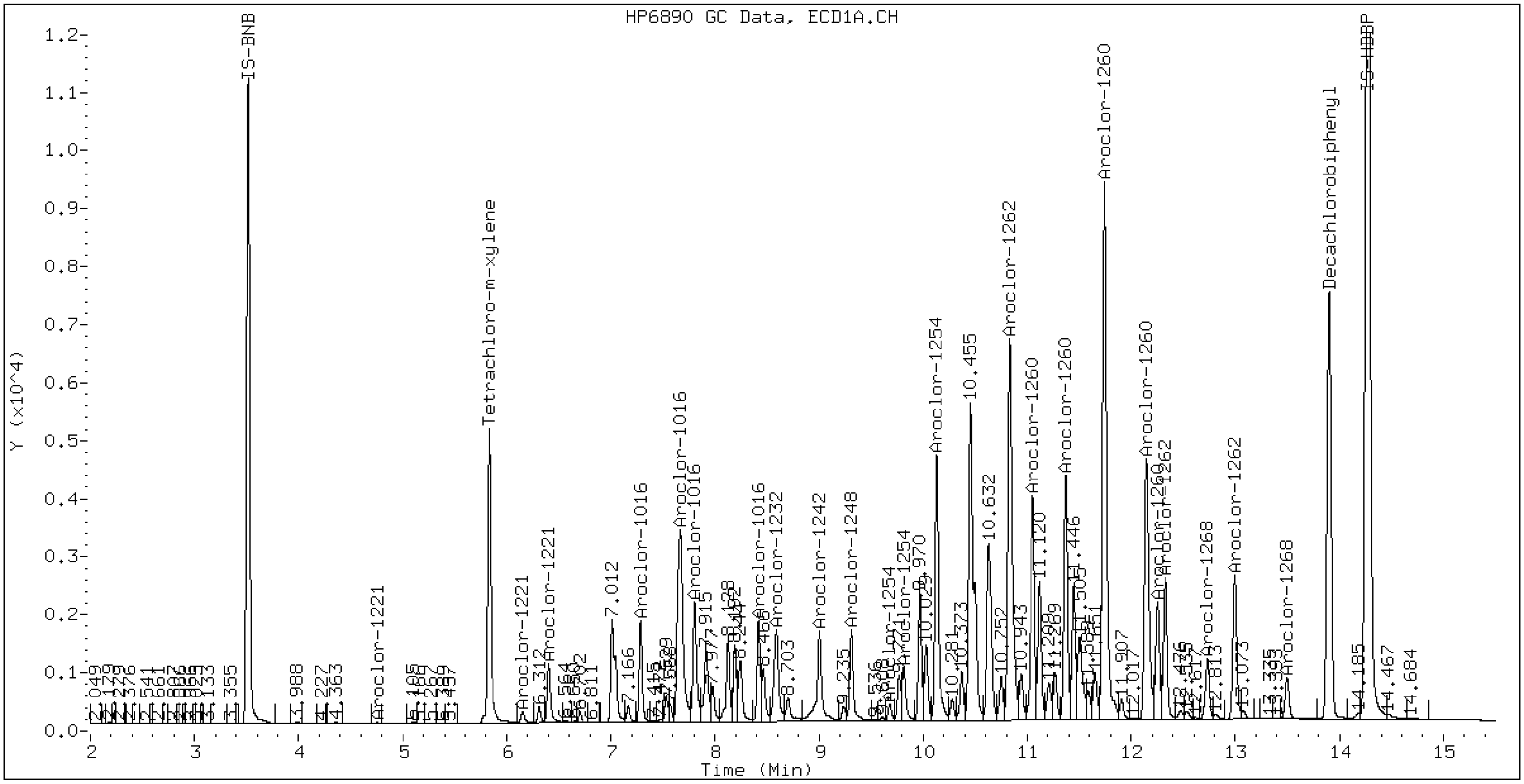
Total PCB Area Col2 (5.809 - 14.028) = 3527328 Col2 Total PCB = 1.1 ppm*

* Quantitated against AR1660 0.25ppm in Ical

PCB-Form 10 Mod.

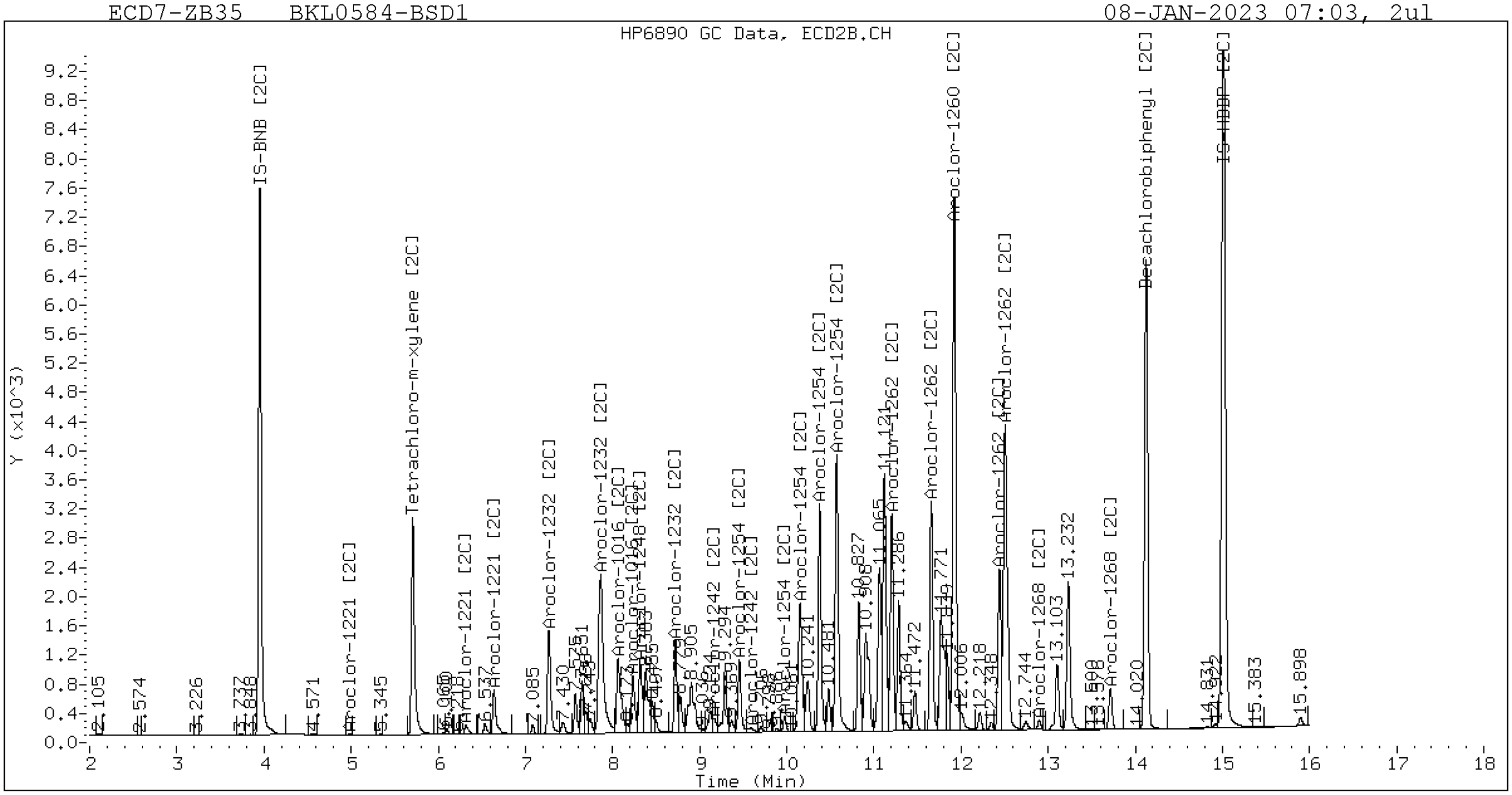
PCB Dual Column Chromatograms

ECD7-ZB5 BKL0584-BSD1 08-JAN-2023 07:03, 2ul



ZB-5 Manual Integration: NO

ECD7-ZB35 BKL0584-BSD1 08-JAN-2023 07:03, 2ul



ZB-35 Manual Integration: NO

LDW22-IT795F

MS / MS DUPLICATE RECOVERY
EPA 8082A

Laboratory:	Analytical Resources, LLC	SDG:	22L0307
Client:	Anchor QEA, LLC	Project:	AOC4 UR Phase 3
Matrix:	Solid	Analyzed:	12/31/22 18:57
Batch:	BKL0581	Laboratory ID:	BKL0581-MS1
Preparation:	EPA 3546 (Microwave)	Sequence Name:	Matrix Spike
Initial/Final:	15.87 g / 2.5 mL	Source Sample:	LDW22-IT795F

COMPOUND	SPIKE ADDED (ug/kg dry)	SAMPLE CONCENTRATION (ug/kg dry)	Q	MS CONCENTRATION (ug/kg dry)	Q	MS % REC. #	QC LIMITS REC.
Aroclor 1016	100	ND	U	78.4		78.4	56 - 120
Aroclor 1260	100	ND	U	89.8		89.8	58 - 120

* Values outside of QC limits

[2C] indicates second-column analyte, present if quantification on any batch samples used second column data.

LDW22-IT795F

MS / MS DUPLICATE RECOVERY
EPA 8082A

Laboratory:	Analytical Resources, LLC	SDG:	22L0307
Client:	Anchor QEA, LLC	Project:	AOC4 UR Phase 3
Matrix:	Solid	Analyzed:	12/31/22 19:18
Batch:	BKL0581	Laboratory ID:	BKL0581-MSD1
Preparation:	EPA 3546 (Microwave)	Sequence Name:	Matrix Spike Dup
Initial/Final:	15.87 g / 2.5 mL	Source Sample:	LDW22-IT795F

COMPOUND	SPIKE ADDED (ug/kg dry)	MSD CONCENTRATION (ug/kg dry)	Q	MSD % REC. #	% RPD #	QC LIMITS RPD	QC LIMITS REC.
Aroclor 1016	100	80.3		80.3	2.42	30	56 - 120
Aroclor 1260	100	89.5		89.5	0.334	30	58 - 120

* Values outside of QC limits

[2C] indicates second-column analyte, present if quantification on any batch samples used second column data.

```
                              Analytical Resources Inc.
                         Dual Column 608/8082 PCB Quantitation Report

 Data file 1: /221231.b/12312226ECD7.D                  ARI ID: BKL0581-MS1
 Data file 2: /221231.b/221231.b/12312226ECD7.D         Client ID:
 Method: \\target\share\chem4\ecd7.i\221231.b\PCB.m     Injection Date: 31-DEC-2022 18:57
 Compound Sublist: PCB.sub                              Report Date: 01/05/2023 17:04
 Instrument, Inj. Vol.: ecd7.i, 2ul                     Matrix: NONE
 Quant Method: Internal Std                             Dilution Factor:  1.0



                                 SURROGATES

        ZB5 Col          |       ZB35 Col          |   ZB5    ZB35
   RT    Shift Response | RT    Shift  Response  |  on col  on col    RPD   Compound/Flag
 ==========================================================================================

  5.830 -0.001   216594 | 5.706  -0.004   134877|   30.2    28.7      5.3    Tetrachloro-m-xylene
 13.899 -0.002   309899 |14.127  -0.003   264899|   36.9    35.4      4.1    Decachlorobiphenyl


*  Indicates RPD > 40%



                              INTERNAL STANDARD SUMMARY

                                            Column 1
                                     Standard    Sample
                  Standard Cpnd       Area*       Area      %D
                ------------------------------------------------
                  Bromo-Nitrobenzene    447645      505981   13.0
                  Hexabromobiphenyl     798898      916497   14.7

                                            Column 2
                                     Standard    Sample
                  Standard Cpnd       Area*       Area      %D
                ------------------------------------------------
                  Bromo-Nitrobenzene    249094     343299    37.8
                  Hexabromobiphenyl     362541     527064    45.4


                 * Standard Areas taken from Initial Cal Level 3
                   Initial Calibration Date: 03-DEC-2022
                <- Indicates standard response outside Limits (-50 to +100%)
```

```
                           ZB5 Col                                ZB35 Col
 Aroclor    Peak#    RT    Shift     Area    Amount    Peak#   RT     Shift     Area   Amount
 ==========================================================================================
 Aroclor-1016 1   7.286  -0.008     64095   379.7      1    7.269  -0.004    63835   363.7
 Aroclor-1016 2   7.666  -0.018    221741   406.9      2    7.864  -0.011   146800   387.8
 Aroclor-1016 3   7.803  -0.014     89730   363.4      3    8.063  -0.009    58972   362.7
 Aroclor-1016 4   8.417  -0.012     67534   429.0      4    8.233  -0.011    35403   414.1
       Total Col1Ave (4 peaks):   394.8       Total Col2Ave (4 peaks):   382.1   RPD = 3
       Corrected Ave (3 peaks):   383.3       Corrected Ave (3 peaks):   371.4   RPD = 3

 Aroclor-1221 1   4.758  -0.002       436    10.4      1    4.980  -0.007      327    11.3
 Aroclor-1221 2   6.151  -0.007      8577   116.4      2    6.317  -0.005     7513   136.1
 Aroclor-1221 3   6.402  -0.007     44222   260.1      3    6.639  -0.006    27488   295.8
       Total Col1Ave (3 peaks):   129.0       Total Col2Ave (3 peaks):   147.7   RPD = 14
       Corrected Ave: < 3 Peaks                      Corrected Ave: < 3 Peaks

 Aroclor-1232 1   4.758  -0.004       436    17.3      1    4.980  -0.009      327    19.6
 Aroclor-1232 2   6.151  -0.008      8577   161.3      2    7.269  -0.008    63835   748.8
 Aroclor-1232 3   7.666  -0.017    221741   928.6      3    7.864  -0.013   146800   880.8
 Aroclor-1232 4   8.590  -0.015     82835   817.6      4    8.723  -0.011    44390   982.3
       Total Col1Ave (4 peaks):   481.2       Total Col2Ave (4 peaks):   657.9   RPD = 31
       Corrected Ave (3 peaks):   332.1       Corrected Ave (3 peaks):   549.7   RPD = 49*

 Aroclor-1242 1   7.286  -0.003     64095   446.9      1    7.269  -0.002    63835   439.4
 Aroclor-1242 2   7.666  -0.012    221741   487.0      2    7.864  -0.007   146800   476.0
 Aroclor-1242 3   8.417  -0.006     67534   515.5      3    9.162  -0.009     9935    99.8
 Aroclor-1242 4   9.005  -0.018     67561   248.3      4    9.580  -0.012     3511    29.4
       Total Col1Ave (4 peaks):   424.4       Total Col2Ave (4 peaks):   261.1   RPD = 48*
       Corrected Ave (3 peaks):   394.1       Corrected Ave (3 peaks):   189.5   RPD = 70*

 Aroclor-1248 1   8.417  -0.010     67534   310.4      1    8.318  -0.005    43684   311.5
 Aroclor-1248 2   8.590  -0.014     82835   298.2      2    8.723  -0.005    44390   300.9
 Aroclor-1248 3   9.005  -0.017     67561   135.2      3    9.162  -0.013     9935    55.4
 Aroclor-1248 4   9.309  -0.002     69262   282.9      4    9.580  -0.015     3511    16.7
       Total Col1Ave (4 peaks):   256.7       Total Col2Ave (4 peaks):   171.1   RPD = 40*
       Corrected Ave (3 peaks):   238.8       Corrected Ave (3 peaks):   124.3   RPD = 63*

 Aroclor-1254 1   9.309  -0.012     69262   155.5      1    9.456  -0.005    40661   183.7
 Aroclor-1254 2   9.382  -0.019      7565    43.7      2    9.975  -0.003    10449    58.7
 Aroclor-1254 3   9.674  -0.020     16724    59.4      3   10.148   0.018    76387   199.7
 Aroclor-1254 4   9.810  -0.021     43916    80.1      4   10.378  -0.001   119876   302.6
 Aroclor-1254 5  10.129  -0.061    192178   511.1      5   10.572  -0.003   137411   719.2
       Total Col1Ave (5 peaks):   170.0       Total Col2Ave (5 peaks):   292.8   RPD = 53*
       Corrected Ave (4 peaks):    84.7       Corrected Ave (4 peaks):   186.2   RPD = 75*

 Aroclor-1260 1  11.052  -0.010    146270   438.5      1   11.660  -0.003   116540   418.9
 Aroclor-1260 2  11.368  -0.009    158173   458.4      2   11.922  -0.004   288587   413.4
 Aroclor-1260 3  11.740  -0.012    396943   437.8      3   12.442  -0.003    82126   441.8
 Aroclor-1260 4  12.141  -0.017    218891   474.1      4   12.505  -0.005   191758   412.0
 Aroclor-1260 5  12.252  -0.010     85460   452.2      NS    ---                      ----
       Total Col1Ave (5 peaks):   452.2       Total Col2Ave (4 peaks):   421.5   RPD = 7
       Corrected Ave (4 peaks):   446.7       Corrected Ave (3 peaks):   414.8   RPD = 7

 Aroclor-1262 1  10.832  -0.017    273919   893.7      1   11.206  -0.011   105794   264.0
 Aroclor-1262 2  12.252  -0.011     85460   179.4      2   11.660  -0.010   116540   335.8
 Aroclor-1262 3  12.325  -0.011    103451   203.3      3   12.442  -0.010    82126   214.5
 Aroclor-1262 4  12.992  -0.013     92996   227.7      4   12.505  -0.015   191758   319.7
       Total Col1Ave (4 peaks):   376.0       Total Col2Ave (4 peaks):   283.5   RPD = 28
       Corrected Ave (3 peaks):   203.4       Corrected Ave (3 peaks):   266.1   RPD = 27

 Aroclor-1268 1  12.252  -0.011     85460    66.6      1   12.442  -0.008    82126    82.5
 Aroclor-1268 2  12.325  -0.010    103451    82.5      2   12.505  -0.013   191758   188.0
 Aroclor-1268 3  12.729   0.013     45598    44.4      3   12.900  -0.010     3823    10.1
 Aroclor-1268 4  13.494  -0.011     23467     7.5      4   13.715  -0.011    21748     8.0
       Total Col1Ave (4 peaks):    50.2       Total Col2Ave (4 peaks):    72.2   RPD = 36
```

```
     Corrected Ave (3 peaks):    39.5       Corrected Ave (3 peaks):    33.5   RPD = 16




Total PCB Area Col1 (5.932 - 13.801) =    4183367     Col1 Total PCB = 0.9 ppm*

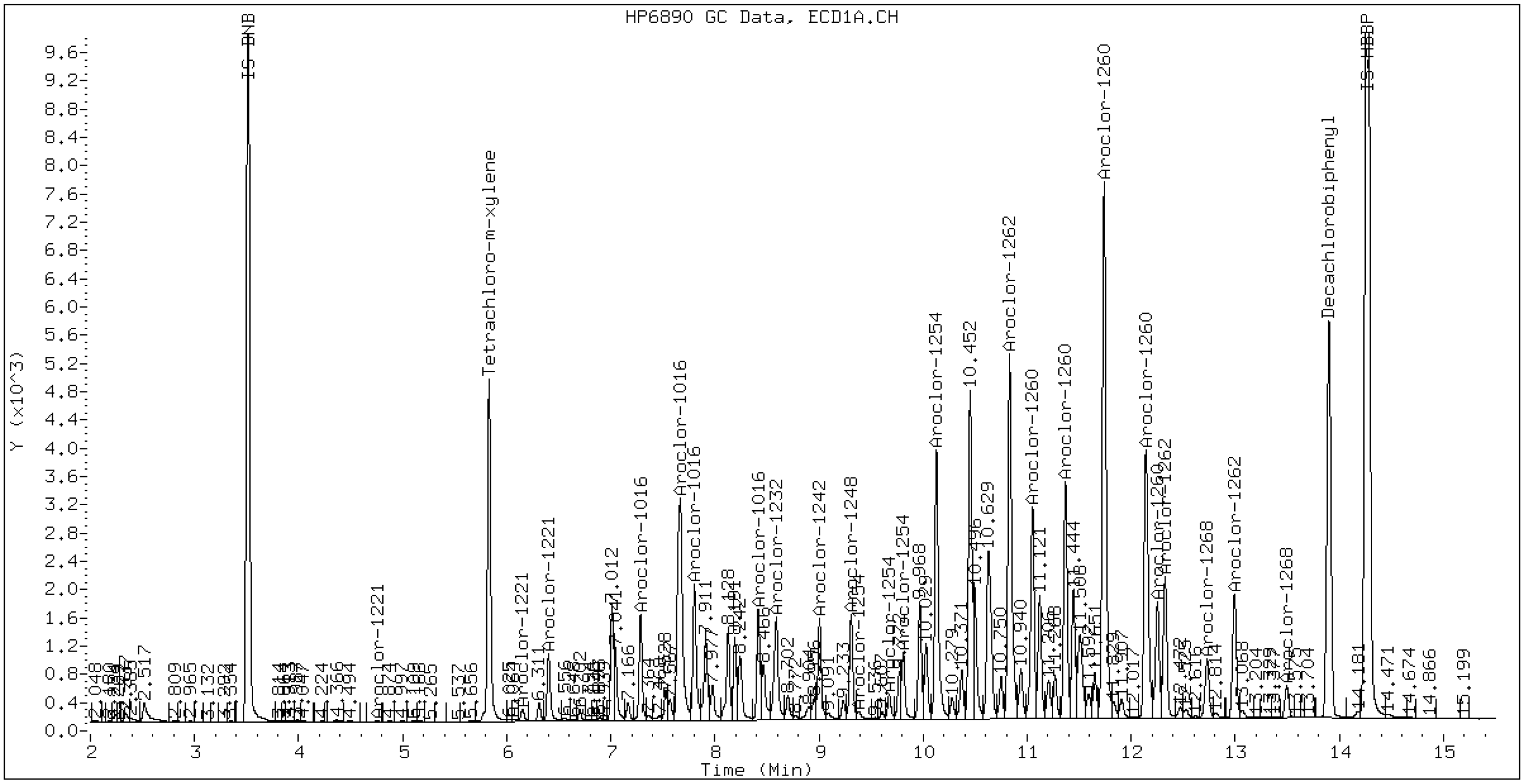
Total PCB Area Col2 (5.810 - 14.030) =    2743829     Col2 Total PCB = 0.9 ppm*

  *  Quantitated against AR1660 0.25ppm in Ical

                                    PCB-Form 10 Mod.
```

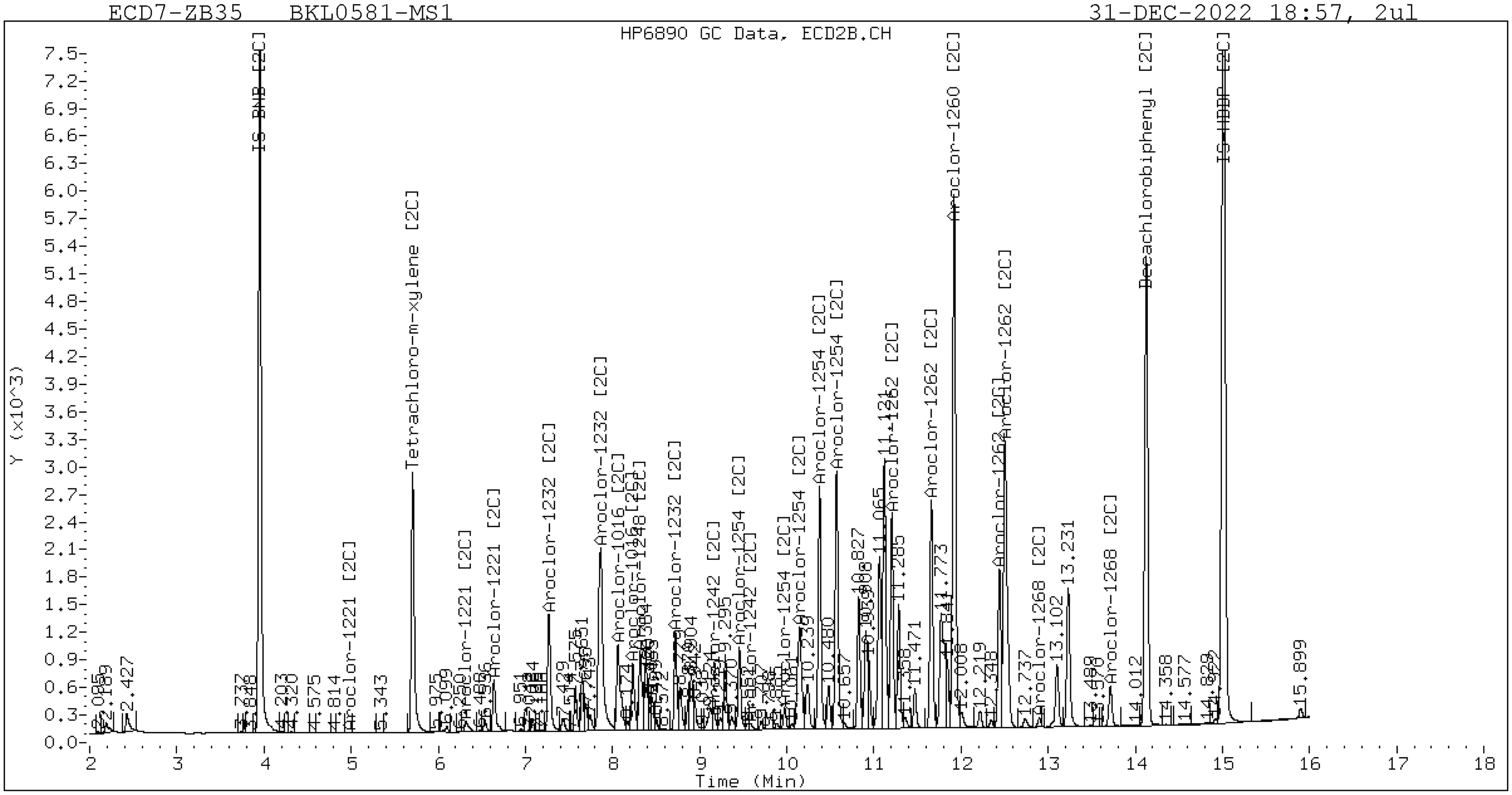
PCB Dual Column Chromatograms

ECD7-ZB5 BKL0581-MS1 31-DEC-2022 18:57, 2ul



ZB-5 Manual Integration: NO

ECD7-ZB35 BKL0581-MS1 31-DEC-2022 18:57, 2ul



ZB-35 Manual Integration: NO

```
                          Analytical Resources Inc.
                     Dual Column 608/8082 PCB Quantitation Report

Data file 1: /221231.b/12312227ECD7.D                  ARI ID: BKL0581-MSD1
Data file 2: /221231.b/221231.b/12312227ECD7.D         Client ID:
Method: \\target\share\chem4\ecd7.i\221231.b\PCB.m      Injection Date: 31-DEC-2022 19:18
Compound Sublist: PCB.sub                               Report Date: 01/05/2023 17:04
Instrument, Inj. Vol.: ecd7.i, 2ul                      Matrix: NONE
Quant Method: Internal Std                              Dilution Factor:  1.0



                                 SURROGATES

       ZB5 Col         |       ZB35 Col         |   ZB5    ZB35
  RT    Shift Response | RT    Shift  Response  |  on col  on col    RPD   Compound/Flag
=========================================================================================

  5.829 -0.003   213943 | 5.706  -0.005   133123|   29.7    28.2      5.3    Tetrachloro-m-xylene
 13.900 -0.001   319615 |14.127  -0.003   269647|   36.5    35.7      2.2    Decachlorobiphenyl


*  Indicates RPD > 40%



                            INTERNAL STANDARD SUMMARY

                                         Column 1
                                  Standard    Sample
                 Standard Cpnd       Area*       Area      %D
              --------------------------------------------------
                Bromo-Nitrobenzene    447645      507512   13.4
                Hexabromobiphenyl     798898      955555   19.6

                                         Column 2
                                  Standard    Sample
                 Standard Cpnd       Area*       Area      %D
              --------------------------------------------------
                Bromo-Nitrobenzene    249094     344302    38.2
                Hexabromobiphenyl     362541     532197    46.8


               * Standard Areas taken from Initial Cal Level 3
                 Initial Calibration Date: 03-DEC-2022
              <- Indicates standard response outside Limits (-50 to +100%)
```

```
//target/share/chem4/ecd7.i/221231.b/12312227ECD7.D      BKL0581-MSD1                    page 2
                             ZB5 Col                                  ZB35 Col
 Aroclor   Peak#    RT    Shift    Area    Amount    Peak#   RT     Shift    Area   Amount
 ==========================================================================================
 Aroclor-1016 1   7.285  -0.009     66051   390.2      1    7.269  -0.004    65581   372.5
 Aroclor-1016 2   7.666  -0.019    226821   415.0      2    7.862  -0.012   150002   395.1
 Aroclor-1016 3   7.803  -0.015     91573   369.7      3    8.063  -0.010    59994   368.0
 Aroclor-1016 4   8.417  -0.013     69915   442.8      4    8.233  -0.011    36234   422.6
       Total Col1Ave (4 peaks):   404.4       Total Col2Ave (4 peaks):   389.6   RPD = 4
       Corrected Ave (3 peaks):   391.6       Corrected Ave (3 peaks):   378.5   RPD = 3

 Aroclor-1221 1   4.756  -0.004       347     8.3      1    4.977  -0.010      350    12.0
 Aroclor-1221 2   6.150  -0.009      8974   121.4      2    6.316  -0.006     8696   157.0
 Aroclor-1221 3   6.401  -0.008     44755   262.5      3    6.638  -0.007    29040   311.6
       Total Col1Ave (3 peaks):   130.7       Total Col2Ave (3 peaks):   160.2   RPD = 20
       Corrected Ave: < 3 Peaks                      Corrected Ave: < 3 Peaks

 Aroclor-1232 1   4.756  -0.005       347    13.7      1    4.977  -0.012      350    20.9
 Aroclor-1232 2   6.150  -0.010      8974   168.3      2    7.269  -0.008    65581   767.0
 Aroclor-1232 3   7.666  -0.018    226821   947.0      3    7.862  -0.014   150002   897.4
 Aroclor-1232 4   8.589  -0.017     84168   828.3      4    8.723  -0.011    45351  1000.7
       Total Col1Ave (4 peaks):   489.3       Total Col2Ave (4 peaks):   671.5   RPD = 31
       Corrected Ave (3 peaks):   336.8       Corrected Ave (3 peaks):   561.8   RPD = 50*

 Aroclor-1242 1   7.285  -0.004     66051   459.2      1    7.269  -0.003    65581   450.1
 Aroclor-1242 2   7.666  -0.012    226821   496.6      2    7.862  -0.008   150002   484.9
 Aroclor-1242 3   8.417  -0.006     69915   532.0      3    9.161  -0.009    10177   102.0
 Aroclor-1242 4   9.005  -0.018     70012   256.6      4    9.578  -0.014     3366    28.1
       Total Col1Ave (4 peaks):   436.1       Total Col2Ave (4 peaks):   266.3   RPD = 48*
       Corrected Ave (3 peaks):   404.1       Corrected Ave (3 peaks):   193.4   RPD = 71*

 Aroclor-1248 1   8.417  -0.011     69915   320.4      1    8.318  -0.005    44234   314.5
 Aroclor-1248 2   8.589  -0.016     84168   302.1      2    8.723  -0.005    45351   306.6
 Aroclor-1248 3   9.005  -0.017     70012   139.7      3    9.161  -0.013    10177    56.6
 Aroclor-1248 4   9.308  -0.003     71178   289.9      4    9.578  -0.017     3366    15.9
       Total Col1Ave (4 peaks):   263.0       Total Col2Ave (4 peaks):   173.4   RPD = 41*
       Corrected Ave (3 peaks):   243.9       Corrected Ave (3 peaks):   126.3   RPD = 63*

 Aroclor-1254 1   9.308  -0.013     71178   159.3      1    9.456  -0.005    42004   189.2
 Aroclor-1254 2   9.382  -0.020      7522    43.3      2    9.975  -0.004    11189    62.7
 Aroclor-1254 3   9.674  -0.020     18524    65.6      3   10.147   0.017    79279   206.7
 Aroclor-1254 4   9.808  -0.023     48104    87.4      4   10.377  -0.001   123268   310.3
 Aroclor-1254 5  10.128  -0.061    199528   529.1      5   10.572  -0.004   140748   734.5
       Total Col1Ave (5 peaks):   176.9       Total Col2Ave (5 peaks):   300.7   RPD = 52*
       Corrected Ave (4 peaks):    88.9       Corrected Ave (4 peaks):   192.2   RPD = 73*

 Aroclor-1260 1  11.052  -0.011    151245   434.8      1   11.660  -0.003   119358   424.9
 Aroclor-1260 2  11.368  -0.010    164635   457.6      2   11.922  -0.003   295904   419.8
 Aroclor-1260 3  11.739  -0.012    413270   437.2      3   12.441  -0.004    85197   453.9
 Aroclor-1260 4  12.140  -0.018    227087   471.8      4   12.505  -0.004   196328   417.8
 Aroclor-1260 5  12.250  -0.011     89067   452.0      NS    ---                       ----
       Total Col1Ave (5 peaks):   450.7       Total Col2Ave (4 peaks):   429.1   RPD = 5
       Corrected Ave (4 peaks):   445.4       Corrected Ave (3 peaks):   420.8   RPD = 6

 Aroclor-1262 1  10.831  -0.017    282870   885.2      1   11.206  -0.011   107804   266.4
 Aroclor-1262 2  12.250  -0.012     89067   179.3      2   11.660  -0.010   119358   340.6
 Aroclor-1262 3  12.325  -0.012    107554   202.7      3   12.441  -0.010    85197   220.4
 Aroclor-1262 4  12.991  -0.014     96339   226.2      4   12.505  -0.014   196328   324.2
       Total Col1Ave (4 peaks):   373.4       Total Col2Ave (4 peaks):   287.9   RPD = 26
       Corrected Ave (3 peaks):   202.7       Corrected Ave (3 peaks):   270.3   RPD = 29

 Aroclor-1268 1  12.250  -0.012     89067    66.6      1   12.441  -0.008    85197    84.8
 Aroclor-1268 2  12.325  -0.010    107554    82.2      2   12.505  -0.012   196328   190.6
 Aroclor-1268 3  12.729   0.013     48627    45.4      3   12.900  -0.010     3914    10.2
 Aroclor-1268 4  13.493  -0.012     23197     7.1      4   13.714  -0.012    23695     8.6
       Total Col1Ave (4 peaks):    50.3       Total Col2Ave (4 peaks):    73.6   RPD = 38
```

```
     Corrected Ave (3 peaks):    39.7       Corrected Ave (3 peaks):    34.6   RPD = 14




Total PCB Area Col1 (5.932 - 13.801) =    4344522     Col1 Total PCB = 0.9 ppm*

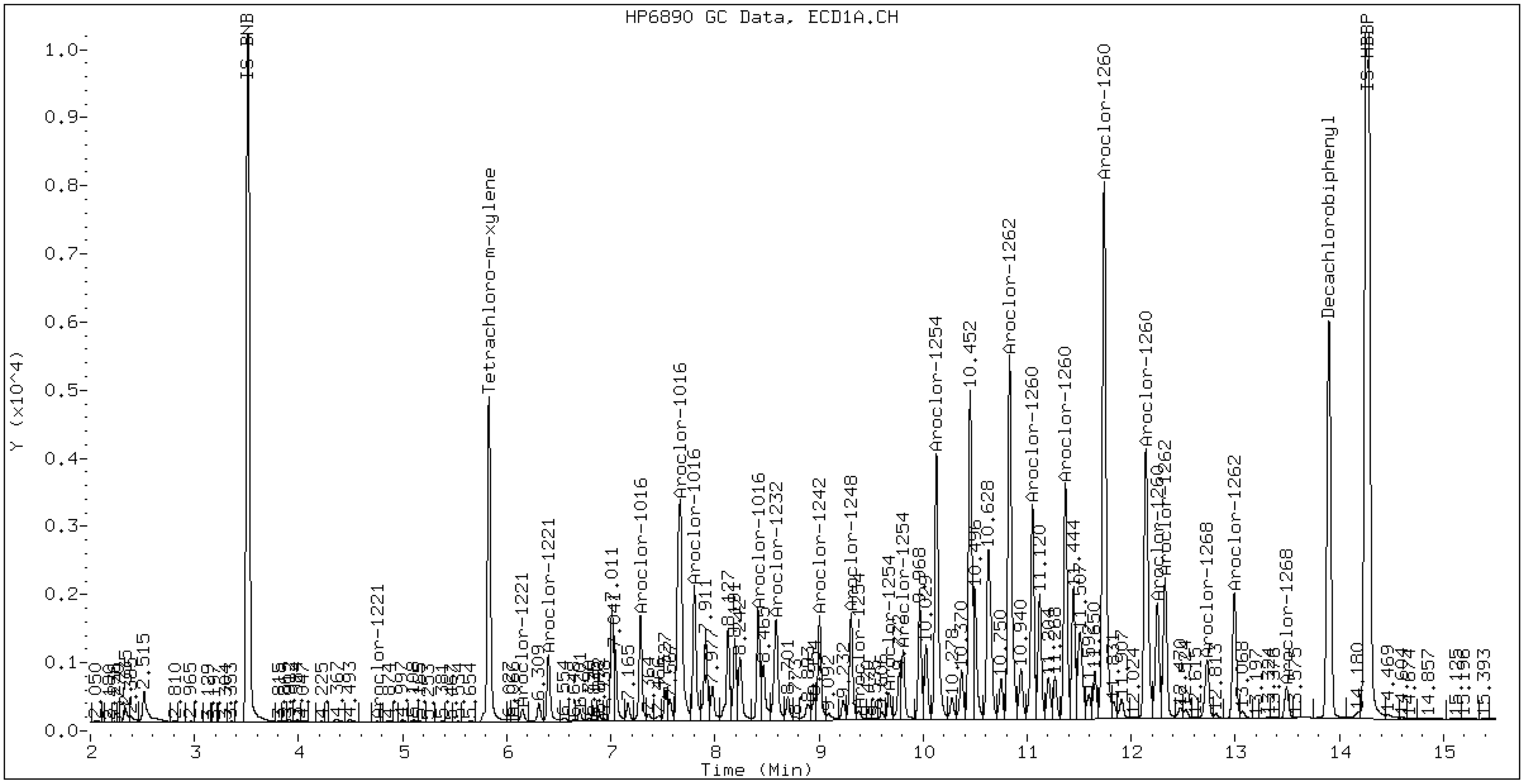
Total PCB Area Col2 (5.810 - 14.030) =    2824023     Col2 Total PCB = 0.9 ppm*

  *  Quantitated against AR1660 0.25ppm in Ical

                                    PCB-Form 10 Mod.
```

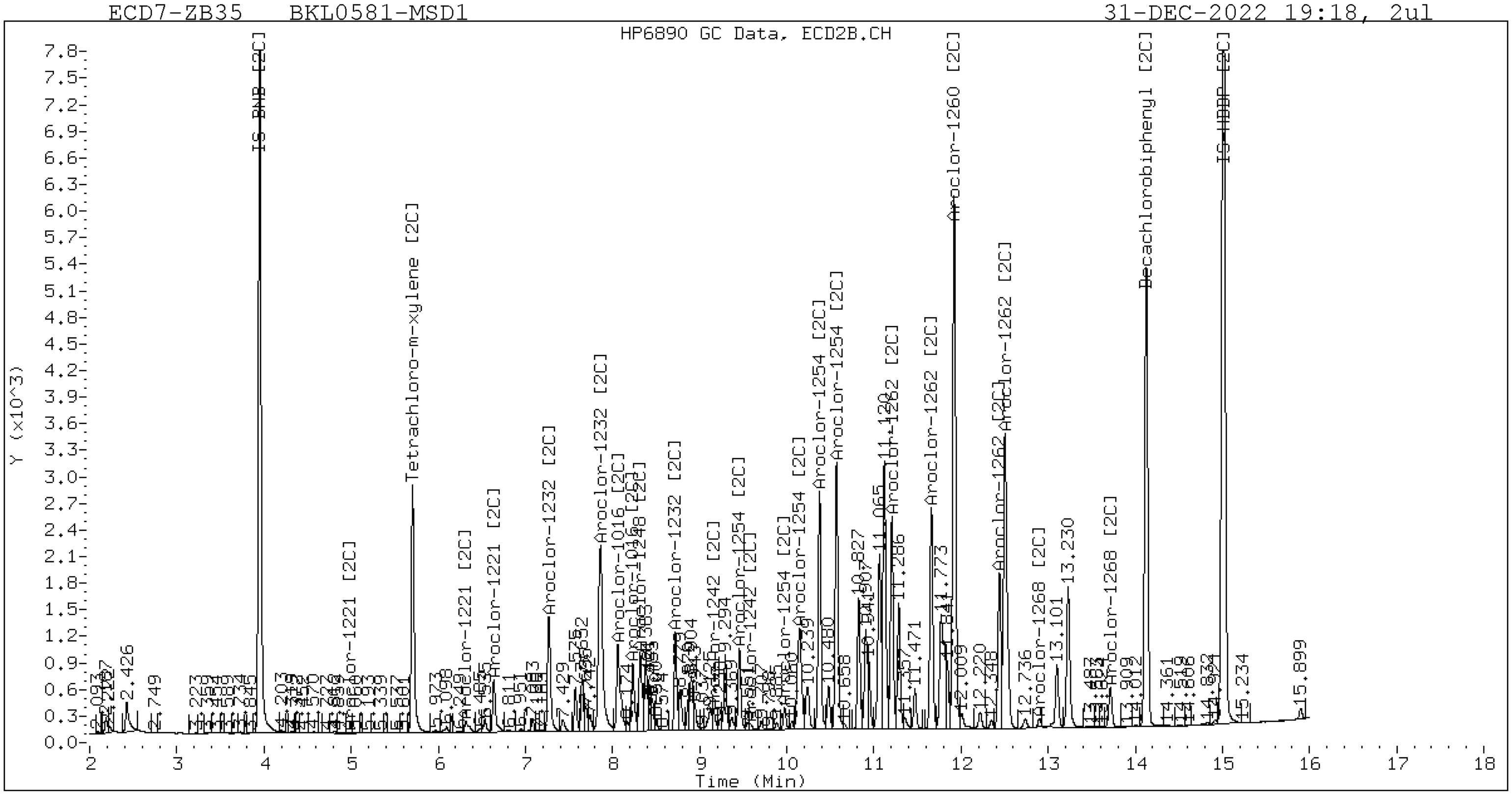
PCB Dual Column Chromatograms

ECD7-ZB5 BKL0581-MSD1 31-DEC-2022 19:18, 2ul



ZB-5 Manual Integration: NO

ECD7-ZB35 BKL0581-MSD1 31-DEC-2022 19:18, 2ul



ZB-35 Manual Integration: NO

LDW22-IT808E

MS / MS DUPLICATE RECOVERY
EPA 8082A

Laboratory:	Analytical Resources, LLC	SDG:	22L0307
Client:	Anchor QEA, LLC	Project:	AOC4 UR Phase 3
Matrix:	Solid	Analyzed:	01/08/23 00:43
Batch:	BKL0582	Laboratory ID:	BKL0582-MS1
Preparation:	EPA 3546 (Microwave)	Sequence Name:	Matrix Spike
Initial/Final:	12.57 g / 2.5 mL	Source Sample:	LDW22-IT808E

COMPOUND	SPIKE ADDED (ug/kg dry)	SAMPLE CONCENTRATION (ug/kg dry)	Q	MS CONCENTRATION (ug/kg dry)	Q	MS % REC. #	QC LIMITS REC.
Aroclor 1016	125	ND	U	106		84.8	56 - 120
Aroclor 1260	125	ND	U	125		100.0	58 - 120

* Values outside of QC limits

[2C] indicates second-column analyte, present if quantification on any batch samples used second column data.

LDW22-IT808E

MS / MS DUPLICATE RECOVERY
EPA 8082A

Laboratory:	Analytical Resources, LLC	SDG:	22L0307
Client:	Anchor QEA, LLC	Project:	AOC4 UR Phase 3
Matrix:	Solid	Analyzed:	01/08/23 01:04
Batch:	BKL0582	Laboratory ID:	BKL0582-MSD1
Preparation:	EPA 3546 (Microwave)	Sequence Name:	Matrix Spike Dup
Initial/Final:	12.57 g / 2.5 mL	Source Sample:	LDW22-IT808E

COMPOUND	SPIKE ADDED (ug/kg dry)	MSD CONCENTRATION (ug/kg dry)	Q	MSD % REC. #	% RPD #	QC LIMITS	
						RPD	REC.
Aroclor 1016	125	104		83.2	1.93	30	56 - 120
Aroclor 1260	125	123		98.4	2.14	30	58 - 120

* Values outside of QC limits

[2C] indicates second-column analyte, present if quantification on any batch samples used second column data.

```
                               Analytical Resources Inc.
                          Dual Column 608/8082 PCB Quantitation Report

 Data file 1: /230107.b/01072344ECD7.D                   ARI ID: BKL0582-MS1
 Data file 2: /230107.b/230107.b/01072344ECD7.D          Client ID:
 Method: \\target\share\chem4\ecd7.i\230107.b\PCB.m      Injection Date: 08-JAN-2023 00:43
 Compound Sublist: PCB.sub                               Report Date: 01/11/2023 15:12
 Instrument, Inj. Vol.: ecd7.i, 2ul                      Matrix: NONE
 Quant Method: Internal Std                              Dilution Factor:  1.0



                                  SURROGATES

        ZB5 Col         |       ZB35 Col         |   ZB5    ZB35
   RT    Shift Response | RT    Shift  Response  |  on col  on col    RPD   Compound/Flag
 =========================================================================================

  5.830 -0.003   209961 | 5.707  -0.002   138421|   30.8    29.5      4.3    Tetrachloro-m-xylene
 13.897 -0.006   296064 |14.123  -0.005   284021|   39.7    38.9      1.9    Decachlorobiphenyl


*  Indicates RPD > 40%



                             INTERNAL STANDARD SUMMARY

                                         Column 1
                                  Standard    Sample
                Standard Cpnd       Area*       Area      %D
            --------------------------------------------------
              Bromo-Nitrobenzene    447645      480834    7.4
              Hexabromobiphenyl     798898      814124    1.9

                                         Column 2
                                  Standard    Sample
                Standard Cpnd       Area*       Area      %D
            --------------------------------------------------
              Bromo-Nitrobenzene    249094     342241    37.4
              Hexabromobiphenyl     362541     513858    41.7


             * Standard Areas taken from Initial Cal Level 3
               Initial Calibration Date: 03-DEC-2022
            <- Indicates standard response outside Limits (-50 to +100%)
```

```
                              ZB5 Col                               ZB35 Col
 Aroclor   Peak#    RT    Shift    Area    Amount    Peak#   RT     Shift    Area   Amount
 ====================================================================================
 Aroclor-1016 1   7.286  -0.005     67601   421.5      1    7.268  -0.004    66842   382.0
 Aroclor-1016 2   7.667  -0.013    224948   434.4      2    7.862  -0.010   153183   405.9
 Aroclor-1016 3   7.804  -0.009     90643   386.3      3    8.061  -0.010    60943   376.0
 Aroclor-1016 4   8.416  -0.009     69134   462.1      4    8.232  -0.011    36931   433.3
       Total Col1Ave (4 peaks):   426.1       Total Col2Ave (4 peaks):   399.3   RPD = 6
       Corrected Ave (3 peaks):   414.0       Corrected Ave (3 peaks):   388.0   RPD = 7

 Aroclor-1221 1   4.758  -0.002       600    15.1      1    4.986  -0.001      182     6.3
 Aroclor-1221 2   6.151  -0.007      7739   110.5      2    6.316  -0.006     8385   152.3
 Aroclor-1221 3   6.403  -0.006     42822   265.1      3    6.638  -0.007    29671   320.3
       Total Col1Ave (3 peaks):   130.2       Total Col2Ave (3 peaks):   159.6   RPD = 20
       Corrected Ave: < 3 Peaks                      Corrected Ave: < 3 Peaks

 Aroclor-1232 1   4.758  -0.003       600    25.1      1    4.986  -0.003      182    10.9
 Aroclor-1232 2   6.151  -0.008      7739   153.2      2    7.268  -0.009    66842   786.5
 Aroclor-1232 3   7.667  -0.017    224948   991.3      3    7.862  -0.014   153183   921.9
 Aroclor-1232 4   8.588  -0.018     83256   864.7      4    8.721  -0.013    46817  1039.2
       Total Col1Ave (4 peaks):   508.6       Total Col2Ave (4 peaks):   689.6   RPD = 30
       Corrected Ave (3 peaks):   347.7       Corrected Ave (3 peaks):   573.1   RPD = 49*

 Aroclor-1242 1   7.286  -0.005     67601   496.0      1    7.268  -0.004    66842   461.5
 Aroclor-1242 2   7.667  -0.015    224948   519.8      2    7.862  -0.010   153183   498.2
 Aroclor-1242 3   8.416  -0.010     69134   555.3      3    9.158  -0.022     8800    88.7
 Aroclor-1242 4   9.004  -0.017     64392   249.1      4    9.579  -0.026     4325    36.3
       Total Col1Ave (4 peaks):   455.0       Total Col2Ave (4 peaks):   271.2   RPD = 51*
       Corrected Ave (3 peaks):   421.6       Corrected Ave (3 peaks):   195.5   RPD = 73*

 Aroclor-1248 1   8.416  -0.009     69134   334.4      1    8.316  -0.007    43346   310.0
 Aroclor-1248 2   8.588  -0.015     83256   315.4      2    8.721  -0.007    46817   318.4
 Aroclor-1248 3   9.004  -0.015     64392   135.6      3    9.158  -0.021     8800    49.2
 Aroclor-1248 4   9.307  -0.006     70397   302.6      4    9.579  -0.022     4325    20.6
       Total Col1Ave (4 peaks):   272.0       Total Col2Ave (4 peaks):   174.5   RPD = 44*
       Corrected Ave (3 peaks):   251.2       Corrected Ave (3 peaks):   126.6   RPD = 66*

 Aroclor-1254 1   9.307  -0.004     70397   166.3      1    9.453  -0.008    40706   184.5
 Aroclor-1254 2     ---                      0.0      2    9.972  -0.009     8569    48.3
 Aroclor-1254 3   9.673  -0.006     13049    48.8      3   10.149   0.016    92322   242.1
 Aroclor-1254 4   9.808  -0.006     41756    80.1      4   10.374  -0.008   123698   313.2
 Aroclor-1254 5  10.126  -0.041    187270   524.1      5   10.568  -0.010   163038   856.0
       Total Col1Ave (4 peaks):   204.8       Total Col2Ave (5 peaks):   328.8   RPD = 46*
       Corrected Ave (3 peaks):    98.4       Corrected Ave (4 peaks):   197.0   RPD = 67*

 Aroclor-1260 1  11.049  -0.011    148484   501.1      1   11.656  -0.007   126706   467.1
 Aroclor-1260 2  11.365  -0.010    157126   512.6      2   11.917  -0.011   311826   458.1
 Aroclor-1260 3  11.737  -0.014    399014   495.5      3   12.436  -0.009    91191   503.1
 Aroclor-1260 4  12.137  -0.017    215264   524.9      4   12.501  -0.010   209747   462.3
 Aroclor-1260 5  12.247  -0.010     82823   493.3      NS    ---                      ----
       Total Col1Ave (5 peaks):   505.5       Total Col2Ave (4 peaks):   472.7   RPD = 7
       Corrected Ave (4 peaks):   500.6       Corrected Ave (3 peaks):   462.5   RPD = 8

 Aroclor-1262 1  10.827  -0.022    303427  1114.5      1   11.203  -0.015   112881   288.9
 Aroclor-1262 2  12.247  -0.016     82823   195.7      2   11.656  -0.014   126706   374.4
 Aroclor-1262 3  12.322  -0.015     99232   219.5      3   12.436  -0.015    91191   244.3
 Aroclor-1262 4  12.987  -0.018     93159   256.8      4   12.501  -0.018   209747   358.7
       Total Col1Ave (4 peaks):   446.6       Total Col2Ave (4 peaks):   316.6   RPD = 34
       Corrected Ave (3 peaks):   224.0       Corrected Ave (3 peaks):   297.3   RPD = 28

 Aroclor-1268 1  12.247  -0.016     82823    72.7      1   12.436  -0.013    91191    94.0
 Aroclor-1268 2  12.322  -0.014     99232    89.1      2   12.501  -0.016   209747   210.9
 Aroclor-1268 3  12.724   0.008     44185    48.4      3   12.896  -0.014     4764    12.9
 Aroclor-1268 4  13.490  -0.015     26048     9.3      4   13.710  -0.016    23380     8.8
       Total Col1Ave (4 peaks):    54.9       Total Col2Ave (4 peaks):    81.7   RPD = 39
```

Corrected Ave (3 peaks): 43.5 Corrected Ave (3 peaks): 38.6 RPD = 12

Total PCB Area Col1 (5.933 - 13.804) = 4179049 Col1 Total PCB = 0.9 ppm*

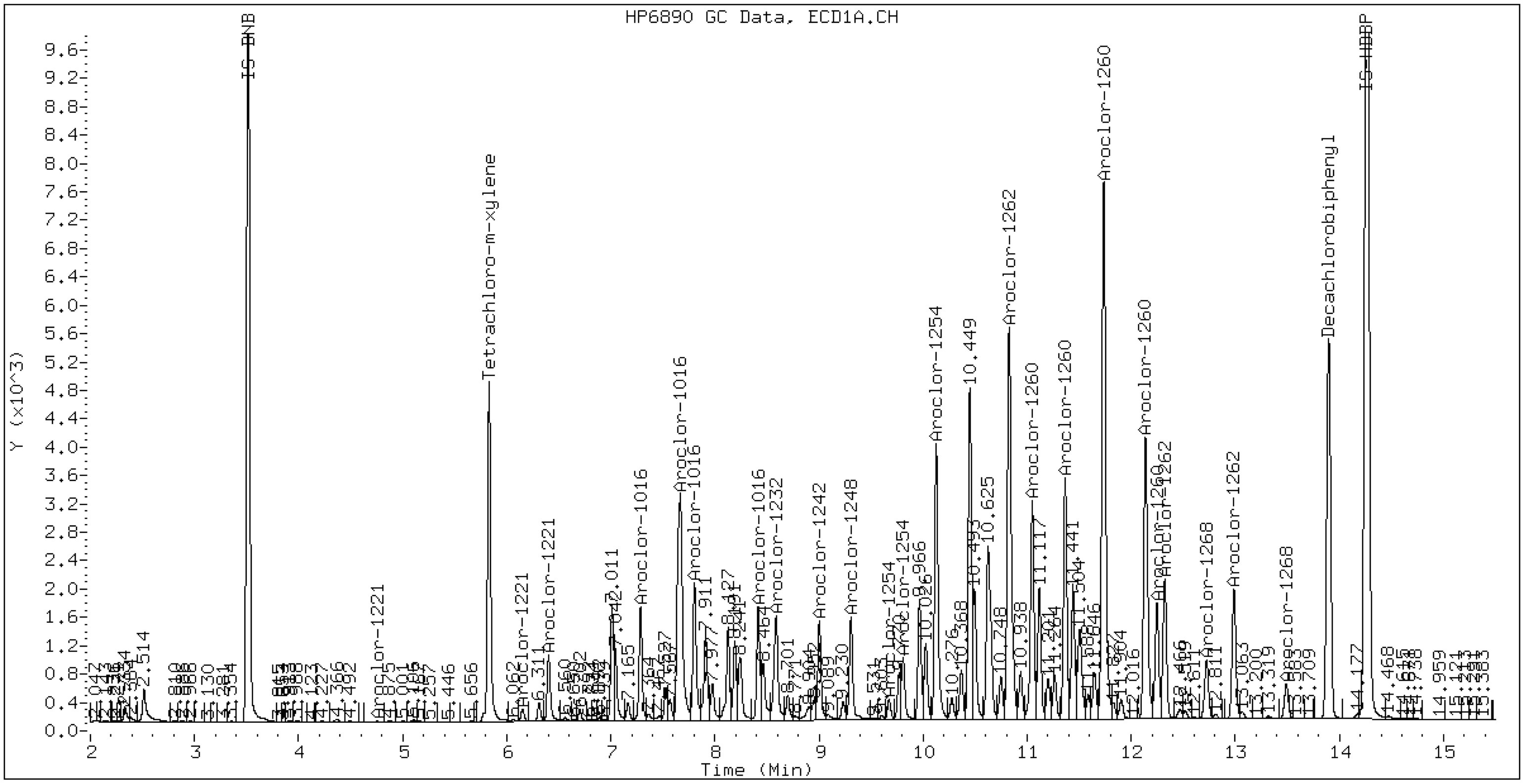
Total PCB Area Col2 (5.809 - 14.028) = 2923142 Col2 Total PCB = 0.9 ppm*

* Quantitated against AR1660 0.25ppm in Ical

PCB-Form 10 Mod.

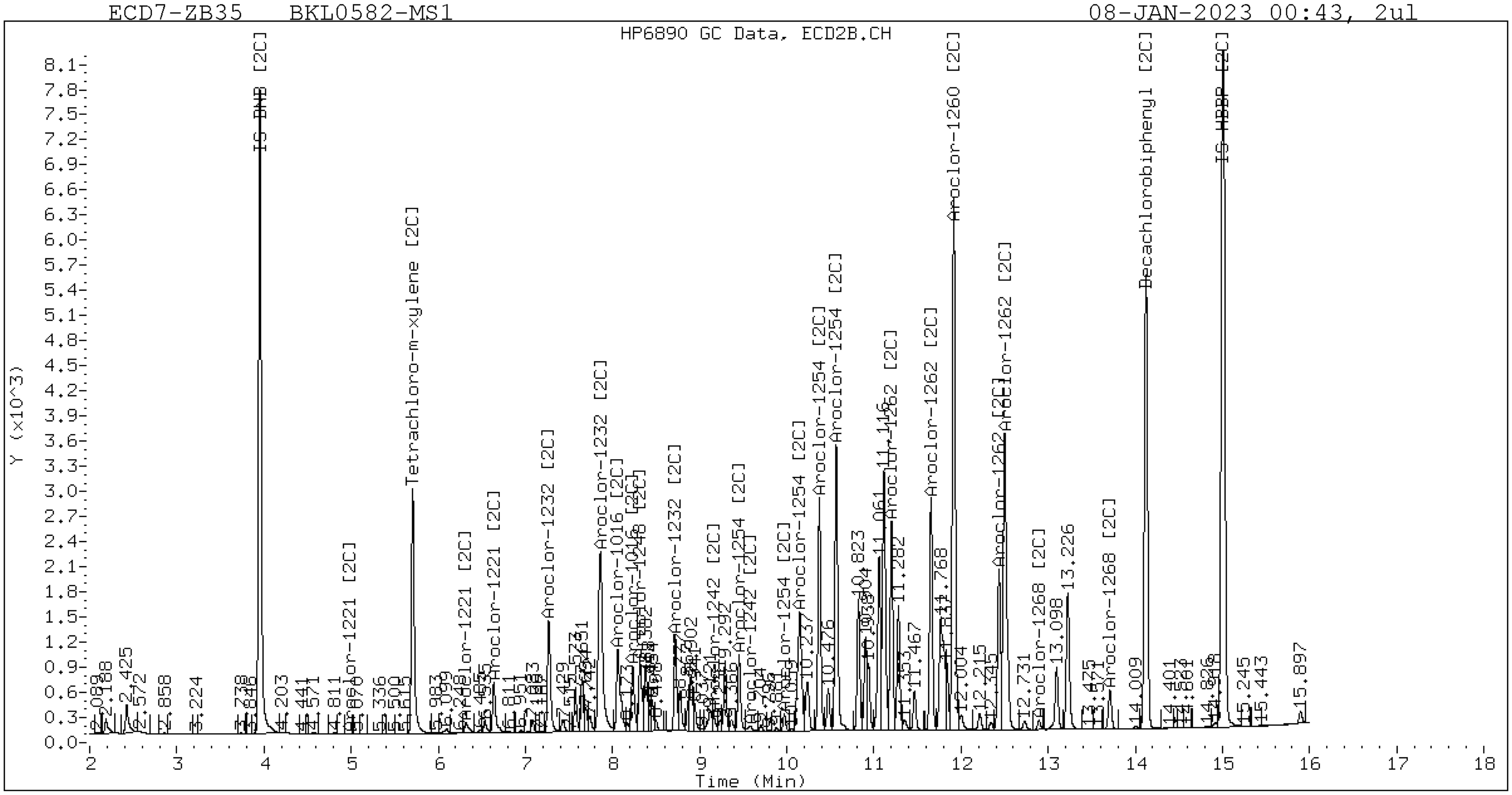
PCB Dual Column Chromatograms

ECD7-ZB5 BKL0582-MS1 08-JAN-2023 00:43, 2ul



ZB-5 Manual Integration: NO

ECD7-ZB35 BKL0582-MS1 08-JAN-2023 00:43, 2ul



ZB-35 Manual Integration: NO

```
                              Analytical Resources Inc.
                         Dual Column 608/8082 PCB Quantitation Report

 Data file 1: /230107.b/01072345ECD7.D                   ARI ID: BKL0582-MSD1
 Data file 2: /230107.b/230107.b/01072345ECD7.D          Client ID:
 Method: \\target\share\chem4\ecd7.i\230107.b\PCB.m      Injection Date: 08-JAN-2023 01:04
 Compound Sublist: PCB.sub                               Report Date: 01/11/2023 15:12
 Instrument, Inj. Vol.: ecd7.i, 2ul                      Matrix: NONE
 Quant Method: Internal Std                              Dilution Factor:  1.0



                                 SURROGATES

        ZB5 Col          |        ZB35 Col         |   ZB5    ZB35
   RT    Shift Response | RT    Shift  Response   |  on col  on col    RPD   Compound/Flag
 ===========================================================================================

  5.829 -0.004   217158 | 5.706  -0.003   139473|   31.5    29.4      7.1    Tetrachloro-m-xylene
 13.898 -0.006   310449 |14.124  -0.004   298562|   40.5    39.9      1.4    Decachlorobiphenyl


*  Indicates RPD > 40%




                            INTERNAL STANDARD SUMMARY

                                        Column 1
                                 Standard    Sample
                  Standard Cpnd       Area*       Area      %D
               --------------------------------------------------
                 Bromo-Nitrobenzene    447645      486059    8.6
                 Hexabromobiphenyl     798898      836607    4.7

                                        Column 2
                                 Standard    Sample
                  Standard Cpnd       Area*       Area      %D
               --------------------------------------------------
                 Bromo-Nitrobenzene    249094     346512    39.1
                 Hexabromobiphenyl     362541     526812    45.3


                * Standard Areas taken from Initial Cal Level 3
                  Initial Calibration Date: 03-DEC-2022
               <- Indicates standard response outside Limits (-50 to +100%)
```

```
//target/share/chem4/ecd7.i/230107.b/01072345ECD7.D      BKL0582-MSD1                    page 2
                            ZB5 Col                                ZB35 Col
 Aroclor   Peak#    RT    Shift    Area    Amount    Peak#   RT     Shift    Area   Amount
 ==========================================================================================
 Aroclor-1016 1   7.286  -0.005     67884   418.7      1    7.268  -0.004    66259   374.0
 Aroclor-1016 2   7.666  -0.013    223238   426.5      2    7.862  -0.011   153443   401.6
 Aroclor-1016 3   7.803  -0.010     90121   379.9      3    8.061  -0.009    61429   374.4
 Aroclor-1016 4   8.416  -0.009     67536   446.6      4    8.232  -0.011    37078   429.7
       Total Col1Ave (4 peaks):   417.9       Total Col2Ave (4 peaks):   394.9   RPD = 6
       Corrected Ave (3 peaks):   408.4       Corrected Ave (3 peaks):   383.3   RPD = 6

 Aroclor-1221 1   4.758  -0.002      1073    26.7      1    4.980  -0.007      227     7.8
 Aroclor-1221 2   6.150  -0.008      8344   117.9      2    6.315  -0.007     7496   134.5
 Aroclor-1221 3   6.402  -0.007     43185   264.5      3    6.637  -0.009    29034   309.6
       Total Col1Ave (3 peaks):   136.3       Total Col2Ave (3 peaks):   150.6   RPD = 10
       Corrected Ave: < 3 Peaks                      Corrected Ave: < 3 Peaks

 Aroclor-1232 1   4.758  -0.003      1073    44.4      1    4.980  -0.009      227    13.5
 Aroclor-1232 2   6.150  -0.009      8344   163.4      2    7.268  -0.009    66259   770.0
 Aroclor-1232 3   7.666  -0.017    223238   973.2      3    7.862  -0.015   153443   912.1
 Aroclor-1232 4   8.588  -0.017     81760   840.1      4    8.721  -0.013    46959  1029.5
       Total Col1Ave (4 peaks):   505.2       Total Col2Ave (4 peaks):   681.3   RPD = 30
       Corrected Ave (3 peaks):   349.3       Corrected Ave (3 peaks):   565.2   RPD = 47*

 Aroclor-1242 1   7.286  -0.005     67884   492.7      1    7.268  -0.004    66259   451.8
 Aroclor-1242 2   7.666  -0.015    223238   510.3      2    7.862  -0.011   153443   492.9
 Aroclor-1242 3   8.416  -0.009     67536   536.6      3    9.159  -0.021     9001    89.6
 Aroclor-1242 4   9.004  -0.016     64171   245.5      4    9.581  -0.025     4493    37.2
       Total Col1Ave (4 peaks):   446.3       Total Col2Ave (4 peaks):   267.9   RPD = 50*
       Corrected Ave (3 peaks):   416.2       Corrected Ave (3 peaks):   192.9   RPD = 73*

 Aroclor-1248 1   8.416  -0.009     67536   323.2      1    8.315  -0.007    44388   313.6
 Aroclor-1248 2   8.588  -0.014     81760   306.4      2    8.721  -0.007    46959   315.4
 Aroclor-1248 3   9.004  -0.015     64171   133.7      3    9.159  -0.019     9001    49.7
 Aroclor-1248 4   9.307  -0.007     68273   290.3      4    9.581  -0.021     4493    21.1
       Total Col1Ave (4 peaks):   263.4       Total Col2Ave (4 peaks):   175.0   RPD = 40*
       Corrected Ave (3 peaks):   243.5       Corrected Ave (3 peaks):   128.1   RPD = 62*

 Aroclor-1254 1   9.307  -0.004     68273   159.5      1    9.453  -0.008    40586   181.7
 Aroclor-1254 2     ---                      0.0      2    9.973  -0.008     8377    46.6
 Aroclor-1254 3   9.673  -0.005     13378    49.5      3   10.149   0.016    92844   240.5
 Aroclor-1254 4   9.809  -0.005     40504    76.9      4   10.374  -0.008   120837   302.2
 Aroclor-1254 5  10.126  -0.041    184629   511.2      5   10.568  -0.010   158984   824.4
       Total Col1Ave (4 peaks):   199.3       Total Col2Ave (5 peaks):   319.1   RPD = 46*
       Corrected Ave (3 peaks):    95.3       Corrected Ave (4 peaks):   192.7   RPD = 68*

 Aroclor-1260 1  11.050  -0.010    157314   516.6      1   11.656  -0.007   122785   441.5
 Aroclor-1260 2  11.365  -0.010    155578   494.0      2   11.918  -0.011   305634   438.0
 Aroclor-1260 3  11.736  -0.014    389615   470.8      3   12.436  -0.009    89223   480.2
 Aroclor-1260 4  12.138  -0.016    214740   509.5      4   12.501  -0.010   207374   445.8
 Aroclor-1260 5  12.247  -0.010     83319   482.9      NS    ---                     ----
       Total Col1Ave (5 peaks):   494.8       Total Col2Ave (4 peaks):   451.4   RPD = 9
       Corrected Ave (4 peaks):   489.3       Corrected Ave (3 peaks):   441.8   RPD = 10

 Aroclor-1262 1  10.827  -0.021    296158  1058.6      1   11.202  -0.015   110644   276.2
 Aroclor-1262 2  12.247  -0.016     83319   191.6      2   11.656  -0.014   122785   353.9
 Aroclor-1262 3  12.322  -0.015    100129   215.6      3   12.436  -0.015    89223   233.1
 Aroclor-1262 4  12.988  -0.017     93420   250.6      4   12.501  -0.018   207374   345.9
       Total Col1Ave (4 peaks):   429.1       Total Col2Ave (4 peaks):   302.3   RPD = 35
       Corrected Ave (3 peaks):   219.2       Corrected Ave (3 peaks):   285.1   RPD = 26

 Aroclor-1268 1  12.247  -0.015     83319    71.2      1   12.436  -0.013    89223    89.7
 Aroclor-1268 2  12.322  -0.013    100129    87.4      2   12.501  -0.016   207374   203.4
 Aroclor-1268 3  12.724   0.008     44594    47.5      3   12.896  -0.014     4630    12.2
 Aroclor-1268 4  13.492  -0.014     26461     9.2      4   13.710  -0.016    23631     8.7
       Total Col1Ave (4 peaks):    53.8       Total Col2Ave (4 peaks):    78.5   RPD = 37
```

Corrected Ave (3 peaks): 42.6 Corrected Ave (3 peaks): 36.9 RPD = 14

Total PCB Area Col1 (5.933 - 13.804) = 4159878 Col1 Total PCB = 0.9 ppm*

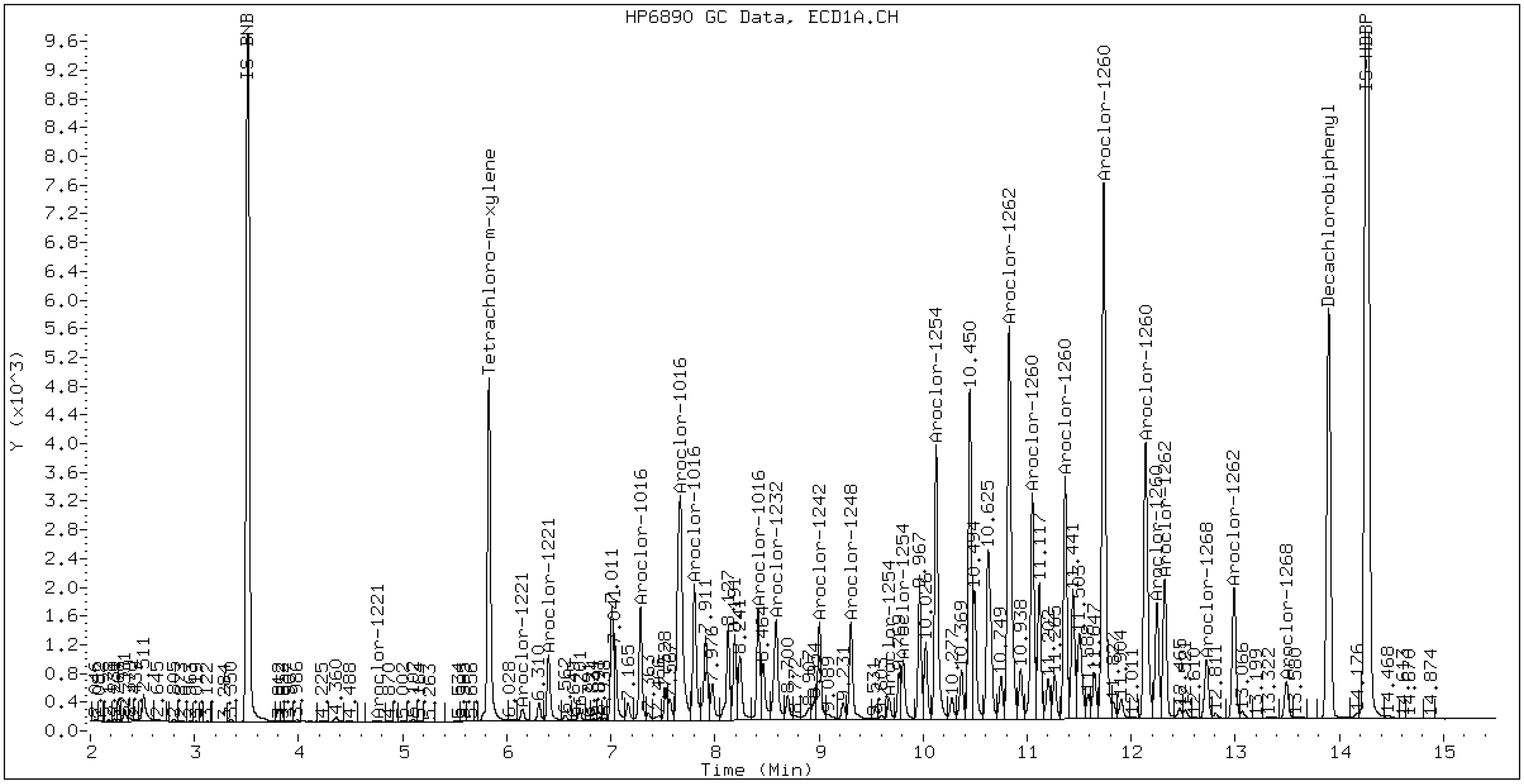
Total PCB Area Col2 (5.809 - 14.028) = 2898992 Col2 Total PCB = 0.9 ppm*

* Quantitated against AR1660 0.25ppm in Ical

PCB-Form 10 Mod.

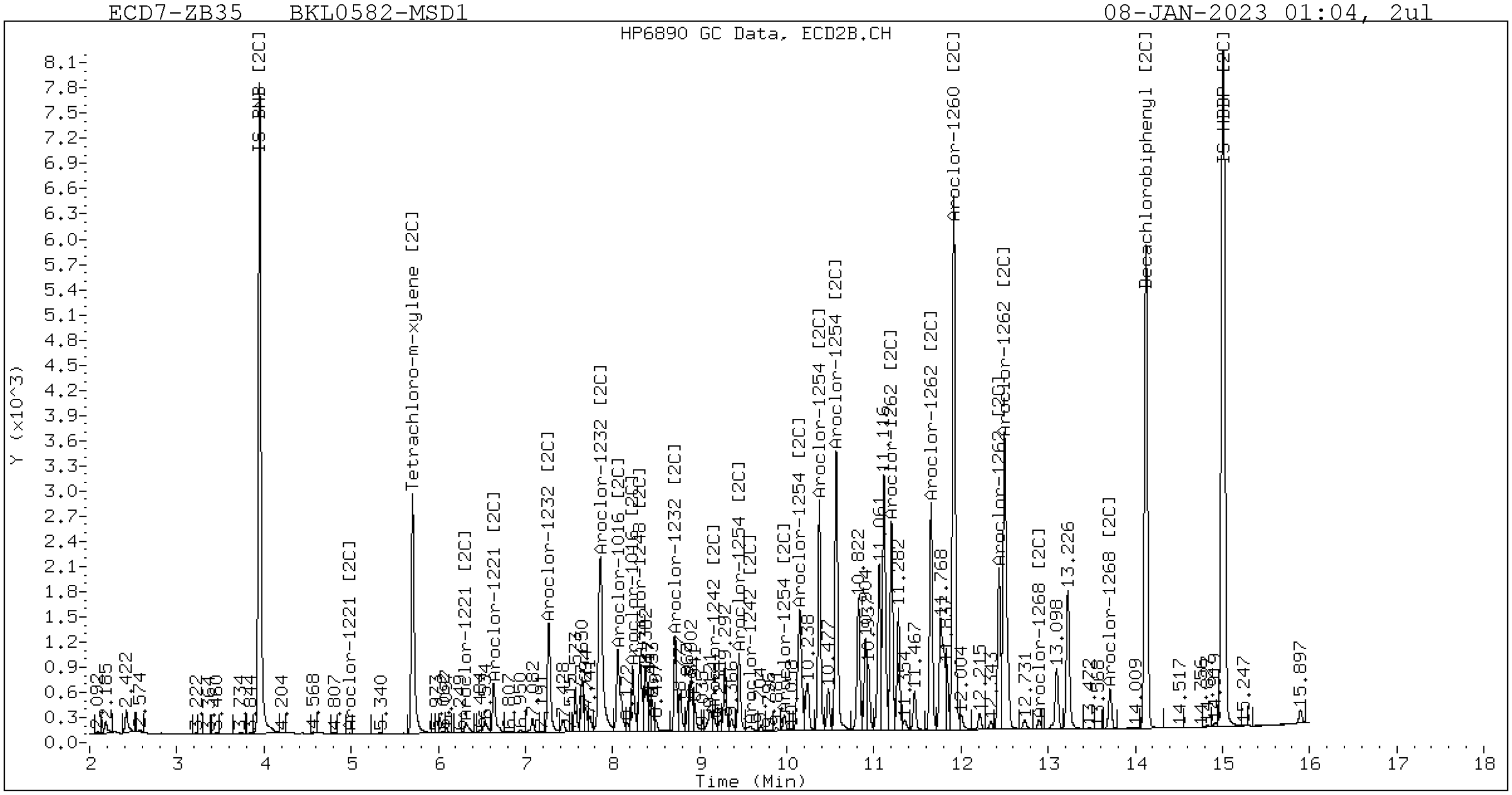
PCB Dual Column Chromatograms

ECD7-ZB5 BKL0582-MSD1 08-JAN-2023 01:04, 2ul



ZB-5 Manual Integration: NO

ECD7-ZB35 BKL0582-MSD1 08-JAN-2023 01:04, 2ul



ZB-35 Manual Integration: NO

LDW22-SC752H

MS / MS DUPLICATE RECOVERY
EPA 8082A

Laboratory:	Analytical Resources, LLC	SDG:	22L0307
Client:	Anchor QEA, LLC	Project:	AOC4 UR Phase 3
Matrix:	Solid	Analyzed:	01/09/23 15:44
Batch:	BKL0583	Laboratory ID:	BKL0583-MS1
Preparation:	EPA 3546 (Microwave)	Sequence Name:	Matrix Spike
Initial/Final:	16.35 g / 2.5 mL	Source Sample:	LDW22-SC752H

COMPOUND	SPIKE ADDED (ug/kg dry)	SAMPLE CONCENTRATION (ug/kg dry)	Q	MS CONCENTRATION (ug/kg dry)	Q	MS % REC. #	QC LIMITS REC.
Aroclor 1016	101	ND	U	74.0		73.5	56 - 120
Aroclor 1260	101	ND	U	78.0		77.2	58 - 120

* Values outside of QC limits

[2C] indicates second-column analyte, present if quantification on any batch samples used second column data.

MS / MS DUPLICATE RECOVERY
EPA 8082A

Laboratory:	Analytical Resources, LLC	SDG:	22L0307
Client:	Anchor QEA, LLC	Project:	AOC4 UR Phase 3
Matrix:	Solid	Analyzed:	01/09/23 16:05
Batch:	BKL0583	Laboratory ID:	BKL0583-MSD1
Preparation:	EPA 3546 (Microwave)	Sequence Name:	Matrix Spike Dup
Initial/Final:	16.35 g / 2.5 mL	Source Sample:	LDW22-SC752H

COMPOUND	SPIKE ADDED (ug/kg dry)	MSD CONCENTRATION (ug/kg dry)	Q	MSD % REC. #	% RPD #	QC LIMITS	
						RPD	REC.
Aroclor 1016	101	80.0		79.4	7.78	30	56 - 120
Aroclor 1260	101	83.1		82.3	6.28	30	58 - 120

* Values outside of QC limits

[2C] indicates second-column analyte, present if quantification on any batch samples used second column data.

```
                                  Analytical Resources Inc.
                             Dual Column 608/8082 PCB Quantitation Report

 Data file 1: /230109.b/01092320ECD7.D                        ARI ID: BKL0583-MS1
 Data file 2: /230109.b/230109.b/01092320ECD7.D               Client ID:
 Method: \\target\share\chem4\ecd7.i\230109.b\PCB.m           Injection Date: 09-JAN-2023 15:44
 Compound Sublist: AR1660.sub                                    Report Date: 01/14/2023 11:52
 Instrument, Inj. Vol.: ecd7.i, 2ul                           Matrix: NONE
 Quant Method: Internal Std                                   Dilution Factor:  1.0



                                     SURROGATES

        ZB5 Col          |        ZB35 Col          |   ZB5    ZB35
   RT    Shift Response | RT    Shift  Response   |  on col  on col    RPD   Compound/Flag
 ==========================================================================================

  5.828 -0.008   213749 | 5.705  -0.008   138425|   29.9    29.6      1.2    Tetrachloro-m-xylene
 13.897 -0.011   311900 |14.122  -0.015   281504|   37.6    34.7      8.1    Decachlorobiphenyl


*  Indicates RPD > 40%



                                INTERNAL STANDARD SUMMARY

                                            Column 1
                                     Standard    Sample
                  Standard Cpnd       Area*       Area      %D
               --------------------------------------------------
                 Bromo-Nitrobenzene    447645      503684   12.5
                 Hexabromobiphenyl     798898      904609   13.2

                                            Column 2
                                     Standard    Sample
                  Standard Cpnd       Area*       Area      %D
               --------------------------------------------------
                 Bromo-Nitrobenzene    249094     341169    37.0
                 Hexabromobiphenyl     362541     571542    57.6


                * Standard Areas taken from Initial Cal Level 3
                  Initial Calibration Date: 03-DEC-2022
               <- Indicates standard response outside Limits (-50 to +100%)
```

```
//target/share/chem4/ecd7.i/230109.b/01092320ECD7.D      BKL0583-MS1                   page 2
                            ZB5 Col                            ZB35 Col
 Aroclor   Peak#    RT    Shift    Area    Amount    Peak#   RT     Shift    Area   Amount
 ========================================================================================
 Aroclor-1016 1   7.285  -0.010     61896   368.4      1    7.268  -0.008    63009   361.2
 Aroclor-1016 2   7.664  -0.021    208658   384.7      2    7.860  -0.011   143567   381.6
 Aroclor-1016 3   7.800  -0.017     82479   335.5      3    8.059  -0.011    56547   350.0
 Aroclor-1016 4   8.414  -0.015     61481   392.3      4    8.229  -0.012    34641   407.8
       Total Col1Ave (4 peaks):   370.2       Total Col2Ave (4 peaks):   375.1   RPD = 1
       Corrected Ave (3 peaks):   362.9       Corrected Ave (3 peaks):   364.3   RPD = 0

 Aroclor-1260 1  11.047  -0.015    128779   391.1      1   11.654  -0.015   105894   351.0
 Aroclor-1260 2  11.363  -0.014    132105   387.9      2   11.916  -0.017   263600   348.2
 Aroclor-1260 3  11.733  -0.019    341121   381.2      3   12.435  -0.016    78374   388.8
 Aroclor-1260 4  12.133  -0.025    184592   405.1      4   12.500  -0.017   177580   351.9
 Aroclor-1260 5  12.247  -0.015     72177   386.9      NS    ---                     ----
       Total Col1Ave (5 peaks):   390.4       Total Col2Ave (4 peaks):   360.0   RPD = 8
       Corrected Ave (4 peaks):   386.8       Corrected Ave (3 peaks):   350.4   RPD = 10




 Total PCB Area Col1 (5.936 - 13.808) =    3597292     Col1 Total PCB = 0.7 ppm*

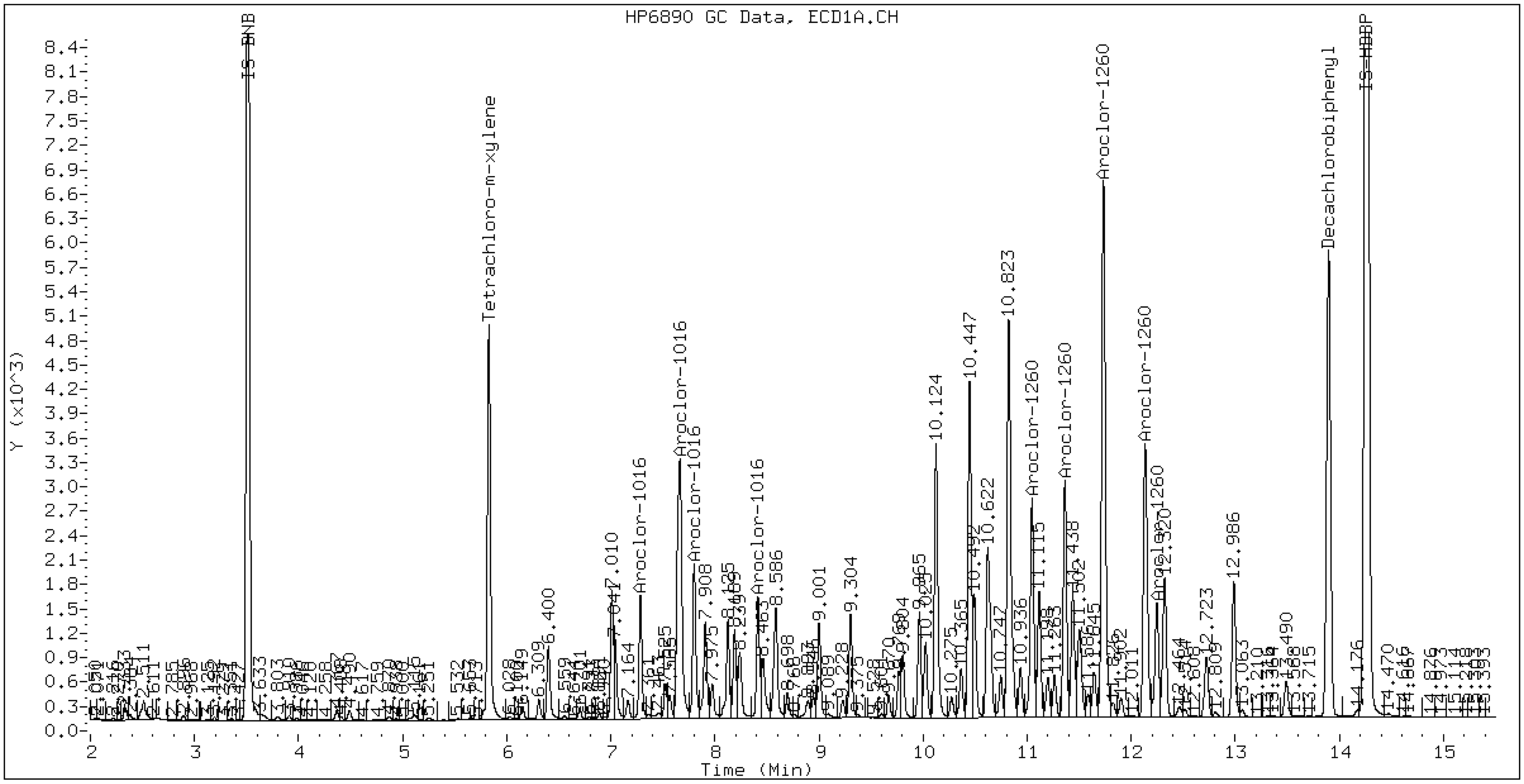
 Total PCB Area Col2 (5.813 - 14.037) =    2559953     Col2 Total PCB = 0.8 ppm*


   *  Quantitated against AR1660 0.25ppm in Ical


                                        PCB-Form 10 Mod.
```

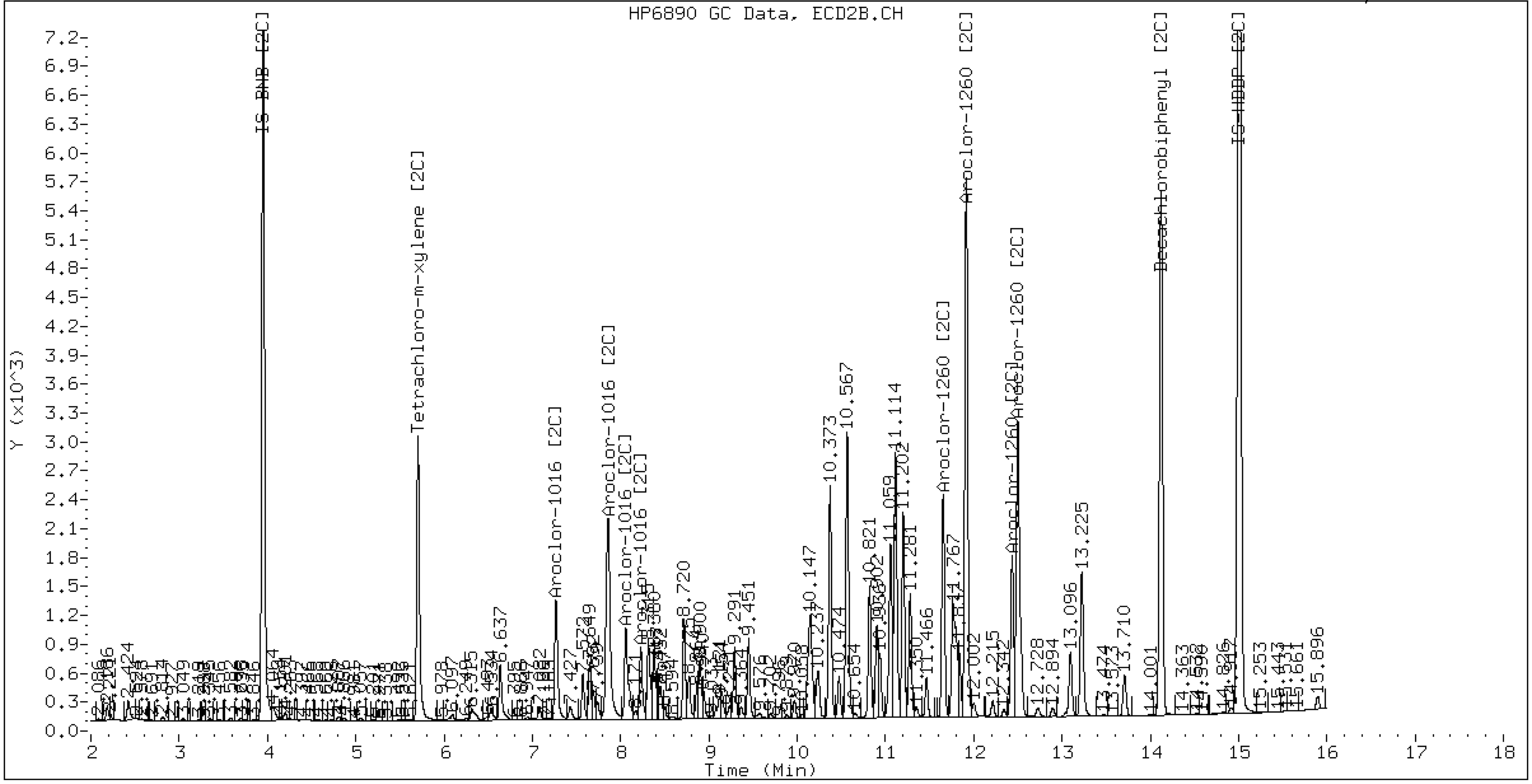
PCB Dual Column Chromatograms

ECD7-ZB5 BKL0583-MS1 09-JAN-2023 15:44, 2ul



ZB-5 Manual Integration: NO

ECD7-ZB35 BKL0583-MS1 09-JAN-2023 15:44, 2ul



ZB-35 Manual Integration: NO

```
                              Analytical Resources Inc.
                         Dual Column 608/8082 PCB Quantitation Report

Data file 1: /230109.b/01092321ECD7.D                        ARI ID: BKL0583-MSD1
Data file 2: /230109.b/230109.b/01092321ECD7.D               Client ID:
Method: \\target\share\chem4\ecd7.i\230109.b\PCB.m           Injection Date: 09-JAN-2023 16:05
Compound Sublist: AR1660.sub                                    Report Date: 01/14/2023 11:52
Instrument, Inj. Vol.: ecd7.i, 2ul                           Matrix: NONE
Quant Method: Internal Std                                   Dilution Factor:  1.0



                                 SURROGATES

       ZB5 Col         |       ZB35 Col         |   ZB5    ZB35
  RT    Shift Response | RT    Shift  Response  |  on col  on col    RPD   Compound/Flag
=========================================================================================

 5.829 -0.007   217391 | 5.705  -0.008   140915|   30.7    30.7      0.1    Tetrachloro-m-xylene
13.898 -0.010   328515 |14.124  -0.013   296727|   39.5    36.6      7.7    Decachlorobiphenyl


*  Indicates RPD > 40%




                            INTERNAL STANDARD SUMMARY

                                        Column 1
                                  Standard    Sample
             Standard Cpnd         Area*       Area      %D
           ---------------------------------------------------
             Bromo-Nitrobenzene    447645      499636   11.6
             Hexabromobiphenyl     798898      906501   13.5

                                        Column 2
                                  Standard    Sample
             Standard Cpnd         Area*       Area      %D
           ---------------------------------------------------
             Bromo-Nitrobenzene    249094     334411    34.3
             Hexabromobiphenyl     362541     571099    57.5


            * Standard Areas taken from Initial Cal Level 3
              Initial Calibration Date: 03-DEC-2022
           <- Indicates standard response outside Limits (-50 to +100%)
```

```
//target/share/chem4/ecd7.i/230109.b/01092321ECD7.D      BKL0583-MSD1                       page 2
                            ZB5 Col                                  ZB35 Col
 Aroclor   Peak#    RT    Shift    Area    Amount    Peak#   RT     Shift    Area   Amount
 =======================================================================================
 Aroclor-1016 1   7.285  -0.009     67476   404.9      1    7.268  -0.007    67364   394.0
 Aroclor-1016 2   7.665  -0.020    222228   413.0      2    7.860  -0.010   149390   405.1
 Aroclor-1016 3   7.801  -0.016     88505   363.0      3    8.060  -0.010    59360   374.8
 Aroclor-1016 4   8.415  -0.014     65291   420.0      4    8.230  -0.011    36301   435.9
       Total Col1Ave (4 peaks):   400.2       Total Col2Ave (4 peaks):   402.5   RPD = 1
       Corrected Ave (3 peaks):   393.6       Corrected Ave (3 peaks):   391.3   RPD = 1

 Aroclor-1260 1  11.047  -0.015    134662   408.1      1   11.655  -0.014   113877   377.8
 Aroclor-1260 2  11.364  -0.013    141264   413.9      2   11.916  -0.016   284783   376.5
 Aroclor-1260 3  11.735  -0.016    365311   407.4      3   12.437  -0.015    83797   416.0
 Aroclor-1260 4  12.136  -0.022    198973   435.7      4   12.501  -0.016   191643   380.0
 Aroclor-1260 5  12.247  -0.014     77329   413.7      NS    ---                     ----
       Total Col1Ave (5 peaks):   415.8       Total Col2Ave (4 peaks):   387.6   RPD = 7
       Corrected Ave (4 peaks):   410.8       Corrected Ave (3 peaks):   378.1   RPD = 8




 Total PCB Area Col1 (5.936 - 13.808) =    3871759     Col1 Total PCB = 0.8 ppm*

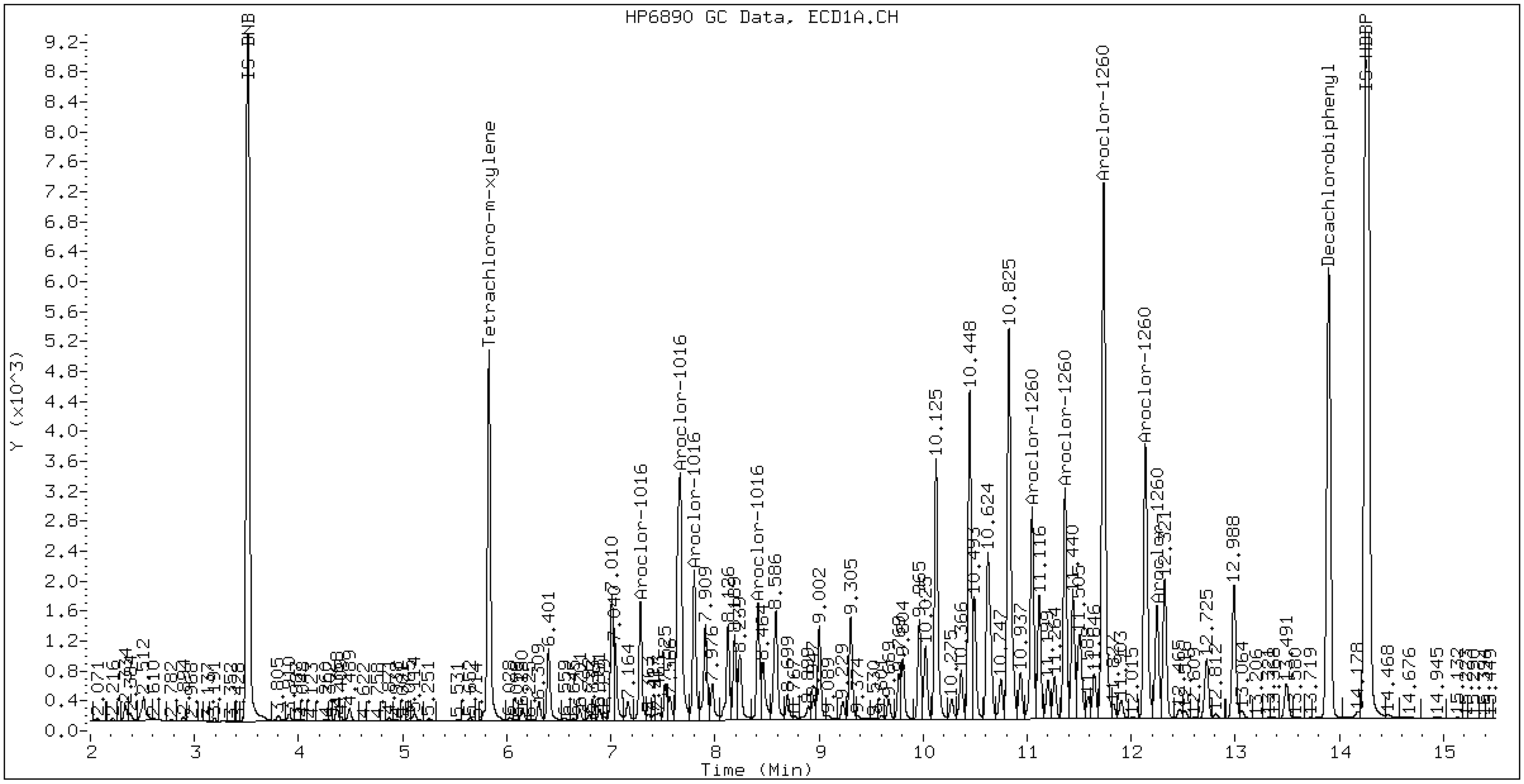
 Total PCB Area Col2 (5.813 - 14.037) =    2732138     Col2 Total PCB = 0.9 ppm*

   *  Quantitated against AR1660 0.25ppm in Ical

                                       PCB-Form 10 Mod.
```

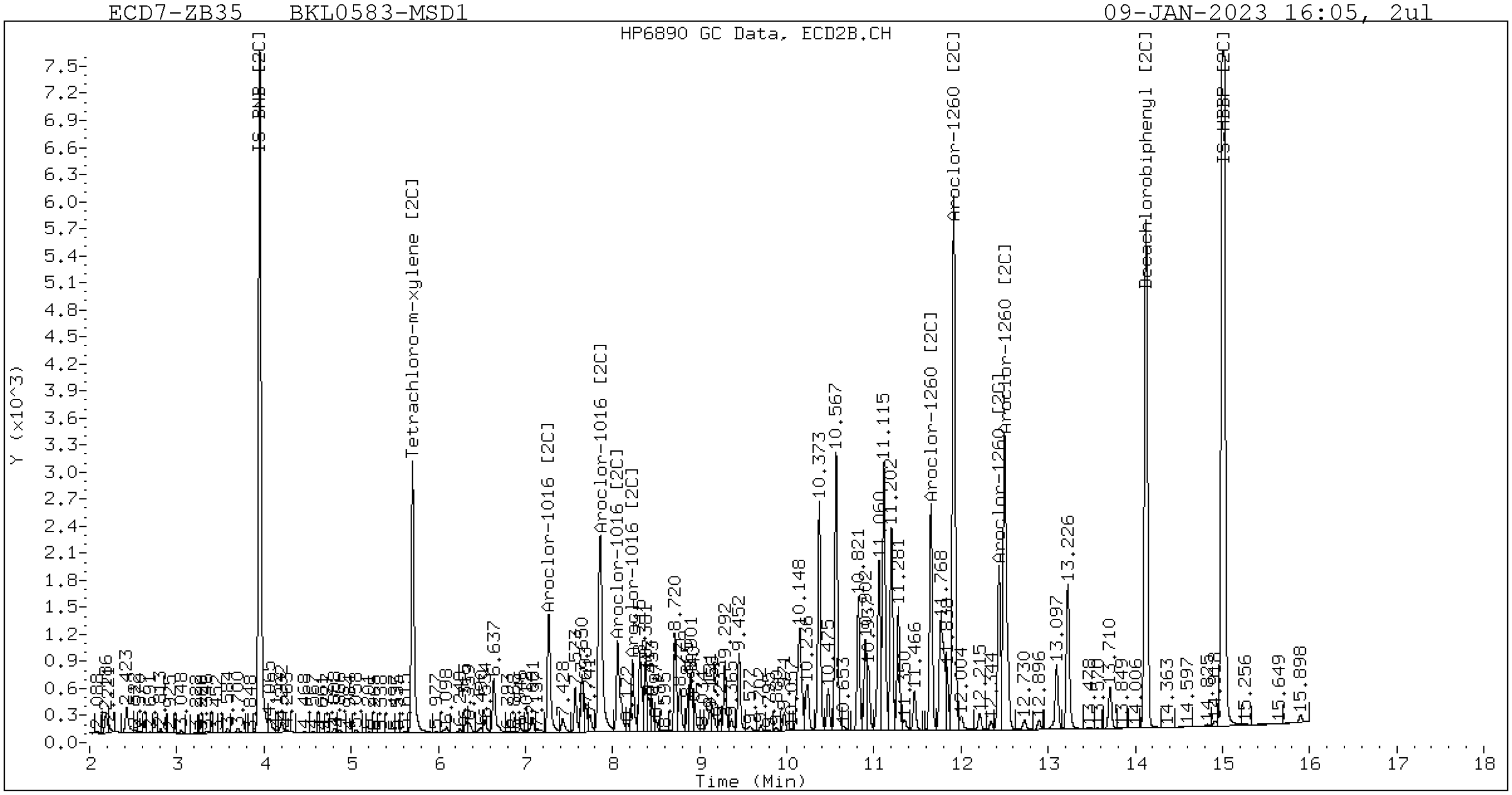
PCB Dual Column Chromatograms

ECD7-ZB5 BKL0583-MSD1 09-JAN-2023 16:05, 2ul



ZB-5 Manual Integration: NO

ECD7-ZB35 BKL0583-MSD1 09-JAN-2023 16:05, 2ul



ZB-35 Manual Integration: NO

LDW22-SC783H

MS / MS DUPLICATE RECOVERY
EPA 8082A

Laboratory:	Analytical Resources, LLC	SDG:	22L0307
Client:	Anchor QEA, LLC	Project:	AOC4 UR Phase 3
Matrix:	Solid	Analyzed:	01/08/23 10:13
Batch:	BKL0584	Laboratory ID:	BKL0584-MS1
Preparation:	EPA 3546 (Microwave)	Sequence Name:	Matrix Spike
Initial/Final:	19.42 g / 2.5 mL	Source Sample:	LDW22-SC783H

COMPOUND	SPIKE ADDED (ug/kg dry)	SAMPLE CONCENTRATION (ug/kg dry)	Q	MS CONCENTRATION (ug/kg dry)	Q	MS % REC. #	QC LIMITS REC.
Aroclor 1016	101	ND	U	91.6		90.7	56 - 120
Aroclor 1260 [2C]	101	41.4		118		76.1	58 - 120

* Values outside of QC limits

[2C] indicates second-column analyte, present if quantification on any batch samples used second column data.

LDW22-SC783H

MS / MS DUPLICATE RECOVERY
EPA 8082A

Laboratory:	Analytical Resources, LLC	SDG:	22L0307
Client:	Anchor QEA, LLC	Project:	AOC4 UR Phase 3
Matrix:	Solid	Analyzed:	01/08/23 10:34
Batch:	BKL0584	Laboratory ID:	BKL0584-MSD1
Preparation:	EPA 3546 (Microwave)	Sequence Name:	Matrix Spike Dup
Initial/Final:	19.42 g / 2.5 mL	Source Sample:	LDW22-SC783H

COMPOUND	SPIKE ADDED (ug/kg dry)	MSD CONCENTRATION (ug/kg dry)	Q	MSD % REC. #	% RPD #	QC LIMITS RPD	QC LIMITS REC.
Aroclor 1016	101	82.8		82.0	10.1	30	56 - 120
Aroclor 1260 [2C]	101	99.3	*	57.5 *	17.3	30	58 - 120

* Values outside of QC limits

[2C] indicates second-column analyte, present if quantification on any batch samples used second column data.

```
                         Analytical Resources Inc.
                   Dual Column 608/8082 PCB Quantitation Report

Data file 1: /230107.b/01072371ECD7.D                    ARI ID: BKL0584-MS1
Data file 2: /230107.b/230107.b/01072371ECD7.D           Client ID:
Method: \\target\share\chem4\ecd7.i\230107.b\PCB.m       Injection Date: 08-JAN-2023 10:13
Compound Sublist: PCB.sub                                Report Date: 01/11/2023 15:13
Instrument, Inj. Vol.: ecd7.i, 2ul                       Matrix: NONE
Quant Method: Internal Std                               Dilution Factor:  1.0



                                  SURROGATES

       ZB5 Col          |       ZB35 Col         |   ZB5    ZB35
  RT    Shift Response  | RT    Shift  Response  |  on col  on col    RPD   Compound/Flag
============================================================================================

  5.826 -0.008   160655 | 5.702  -0.007   113920|   26.5    28.5      7.5    Tetrachloro-m-xylene
 13.895 -0.009   175129 |14.121  -0.007   185724|   38.4    35.6      7.7    Decachlorobiphenyl


*  Indicates RPD > 40%



                             INTERNAL STANDARD SUMMARY

                                         Column 1
                                  Standard    Sample
                 Standard Cpnd       Area*       Area      %D
               --------------------------------------------------
                 Bromo-Nitrobenzene    447645      428522   -4.3
                 Hexabromobiphenyl     798898      497157  -37.8

                                         Column 2
                                  Standard    Sample
                 Standard Cpnd       Area*       Area      %D
               --------------------------------------------------
                 Bromo-Nitrobenzene    249094     291384    17.0
                 Hexabromobiphenyl     362541     367753     1.4


                * Standard Areas taken from Initial Cal Level 3
                  Initial Calibration Date: 03-DEC-2022
               <- Indicates standard response outside Limits (-50 to +100%)
```

```
//target/share/chem4/ecd7.i/230107.b/01072371ECD7.D      BKL0584-MS1                     page 2
                              ZB5 Col                              ZB35 Col
 Aroclor   Peak#    RT    Shift    Area    Amount    Peak#   RT     Shift    Area   Amount
 ==============================================================================================
 Aroclor-1016 1   7.281  -0.009     55848   390.7      1    7.265  -0.007    60433   405.6
 Aroclor-1016 2   7.656  -0.024    201363   436.3      2    7.853  -0.019   140954   438.7
 Aroclor-1016 3   7.795  -0.019     68814   329.0      3    8.054  -0.017    52562   380.9
 Aroclor-1016 4   8.410  -0.015     90199   676.5      4    8.223  -0.020    31500   434.1
       Total Col1Ave (4 peaks):   458.2       Total Col2Ave (4 peaks):   414.8   RPD = 10
       Corrected Ave (3 peaks):   385.4       Corrected Ave (3 peaks):   406.9   RPD = 5

 Aroclor-1221 1   4.754  -0.006      3198    90.3      1    4.993   0.006     1671    68.0
 Aroclor-1221 2   6.147  -0.012      7396   118.5      2    6.312  -0.009     5258   112.2
 Aroclor-1221 3   6.397  -0.012     37600   261.2      3    6.634  -0.012    26305   333.5
       Total Col1Ave (3 peaks):   156.7       Total Col2Ave (3 peaks):   171.2   RPD = 9
       Corrected Ave: < 3 Peaks                      Corrected Ave: < 3 Peaks

 Aroclor-1232 1   4.754  -0.007      3198   150.0      1    4.993   0.004     1671   117.9
 Aroclor-1232 2   6.147  -0.012      7396   164.2      2    7.265  -0.012    60433   835.2
 Aroclor-1232 3   7.656  -0.027    201363   995.7      3    7.853  -0.023   140954   996.4
 Aroclor-1232 4   8.579  -0.027     78547   915.4      4    8.716  -0.018    67165  1751.1
       Total Col1Ave (4 peaks):   556.3       Total Col2Ave (4 peaks):   925.2   RPD = 50*
       Corrected Ave (3 peaks):   409.9       Corrected Ave (3 peaks):   649.8   RPD = 45*

 Aroclor-1242 1   7.281  -0.009     55848   459.8      1    7.265  -0.007    60433   490.0
 Aroclor-1242 2   7.656  -0.026    201363   522.1      2    7.853  -0.019   140954   538.4
 Aroclor-1242 3   8.410  -0.015     90199   812.9      3    9.148  -0.032    55080   652.2
 Aroclor-1242 4   8.996  -0.024    177740   771.4      4    9.626   0.021    10747   105.9
       Total Col1Ave (4 peaks):   641.6       Total Col2Ave (4 peaks):   446.6   RPD = 36
       Corrected Ave (3 peaks):   584.5       Corrected Ave (3 peaks):   378.1   RPD = 43*

 Aroclor-1248 1   8.410  -0.015     90199   489.6      1    8.311  -0.011    80185   673.6
 Aroclor-1248 2   8.579  -0.024     78547   333.9      2    8.716  -0.012    67165   536.5
 Aroclor-1248 3   8.996  -0.023    177740   420.0      3    9.148  -0.030    55080   361.7
 Aroclor-1248 4   9.298  -0.015    199891   964.1      4    9.626   0.025    10747    60.1
       Total Col1Ave (4 peaks):   551.9       Total Col2Ave (4 peaks):   408.0   RPD = 30
       Corrected Ave (3 peaks):   414.5       Corrected Ave (3 peaks):   319.4   RPD = 26

 Aroclor-1254 1   9.298  -0.013    199891   529.8      1    9.447  -0.014   122132   650.1
 Aroclor-1254 2   9.372  -0.016     82104   559.5      2    9.966  -0.015    45318   300.0
 Aroclor-1254 3   9.669  -0.010    116958   490.8      3   10.113  -0.020   229785   707.8
 Aroclor-1254 4   9.798  -0.016    279967   602.7      4   10.366  -0.016   271299   806.9
 Aroclor-1254 5  10.126  -0.042    357548  1122.9      5   10.563  -0.015   204385  1260.3
       Total Col1Ave (5 peaks):   661.1       Total Col2Ave (5 peaks):   745.0   RPD = 12
       Corrected Ave (4 peaks):   545.7       Corrected Ave (4 peaks):   616.2   RPD = 12

 Aroclor-1260 1  11.043  -0.016    125338   692.6      1   11.653  -0.010   120455   620.5
 Aroclor-1260 2  11.358  -0.018    116054   620.1      2   11.913  -0.015   274978   564.5
 Aroclor-1260 3  11.728  -0.022    301519   613.1      3   12.433  -0.013    80674   621.9
 Aroclor-1260 4  12.128  -0.026    161355   644.3      4   12.496  -0.015   180494   555.9
 Aroclor-1260 5  12.243  -0.014     65297   636.9      NS    ---                        ----
       Total Col1Ave (5 peaks):   641.4       Total Col2Ave (4 peaks):   590.7   RPD = 8
       Corrected Ave (4 peaks):   628.6       Corrected Ave (3 peaks):   580.3   RPD = 8

 Aroclor-1262 1  10.818  -0.030    375543  2258.8      1   11.198  -0.019   102049   365.0
 Aroclor-1262 2  12.243  -0.020     65297   252.6      2   11.653  -0.017   120455   497.4
 Aroclor-1262 3  12.316  -0.021     75855   274.8      3   12.433  -0.019    80674   302.0
 Aroclor-1262 4  12.981  -0.024     70575   318.6      4   12.496  -0.023   180494   431.3
       Total Col1Ave (4 peaks):   776.2       Total Col2Ave (4 peaks):   398.9   RPD = 64*
       Corrected Ave (3 peaks):   282.0       Corrected Ave (3 peaks):   366.1   RPD = 26

 Aroclor-1268 1  12.243  -0.020     65297    93.9      1   12.433  -0.017    80674   116.2
 Aroclor-1268 2  12.316  -0.019     75855   111.5      2   12.496  -0.021   180494   253.6
 Aroclor-1268 3  12.718   0.002     38231    68.5      3   12.894  -0.015     5593    21.2
 Aroclor-1268 4  13.486  -0.019     25072    14.7      4   13.707  -0.019    24528    12.9
       Total Col1Ave (4 peaks):    72.2       Total Col2Ave (4 peaks):   101.0   RPD = 33
```

```
     Corrected Ave (3 peaks):    59.1       Corrected Ave (3 peaks):    50.1   RPD = 16




Total PCB Area Col1 (5.933 - 13.804) =    5413240     Col1 Total PCB = 1.3 ppm*

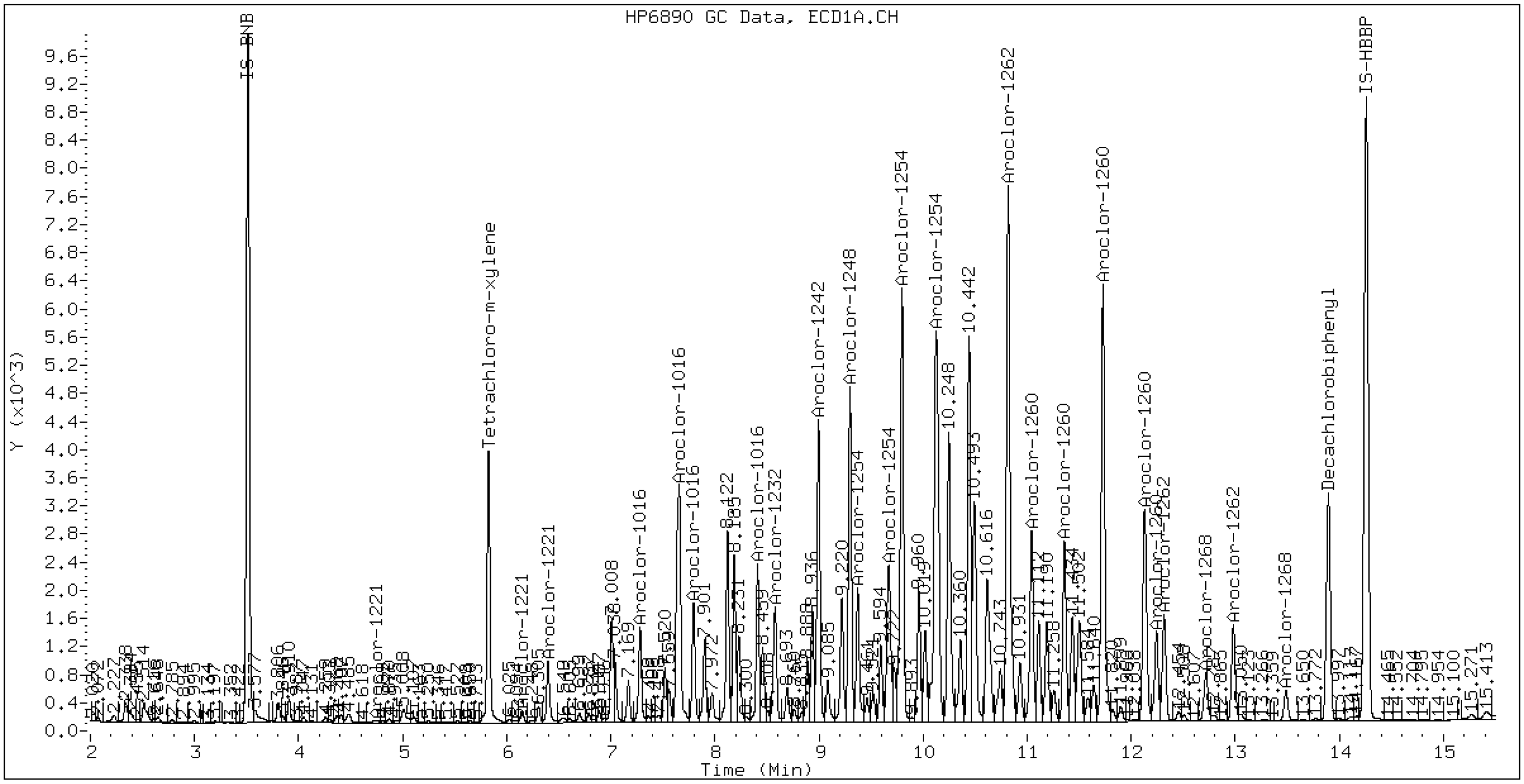
Total PCB Area Col2 (5.809 - 14.028) =    4153333     Col2 Total PCB = 1.5 ppm*

  *  Quantitated against AR1660 0.25ppm in Ical

                                    PCB-Form 10 Mod.
```

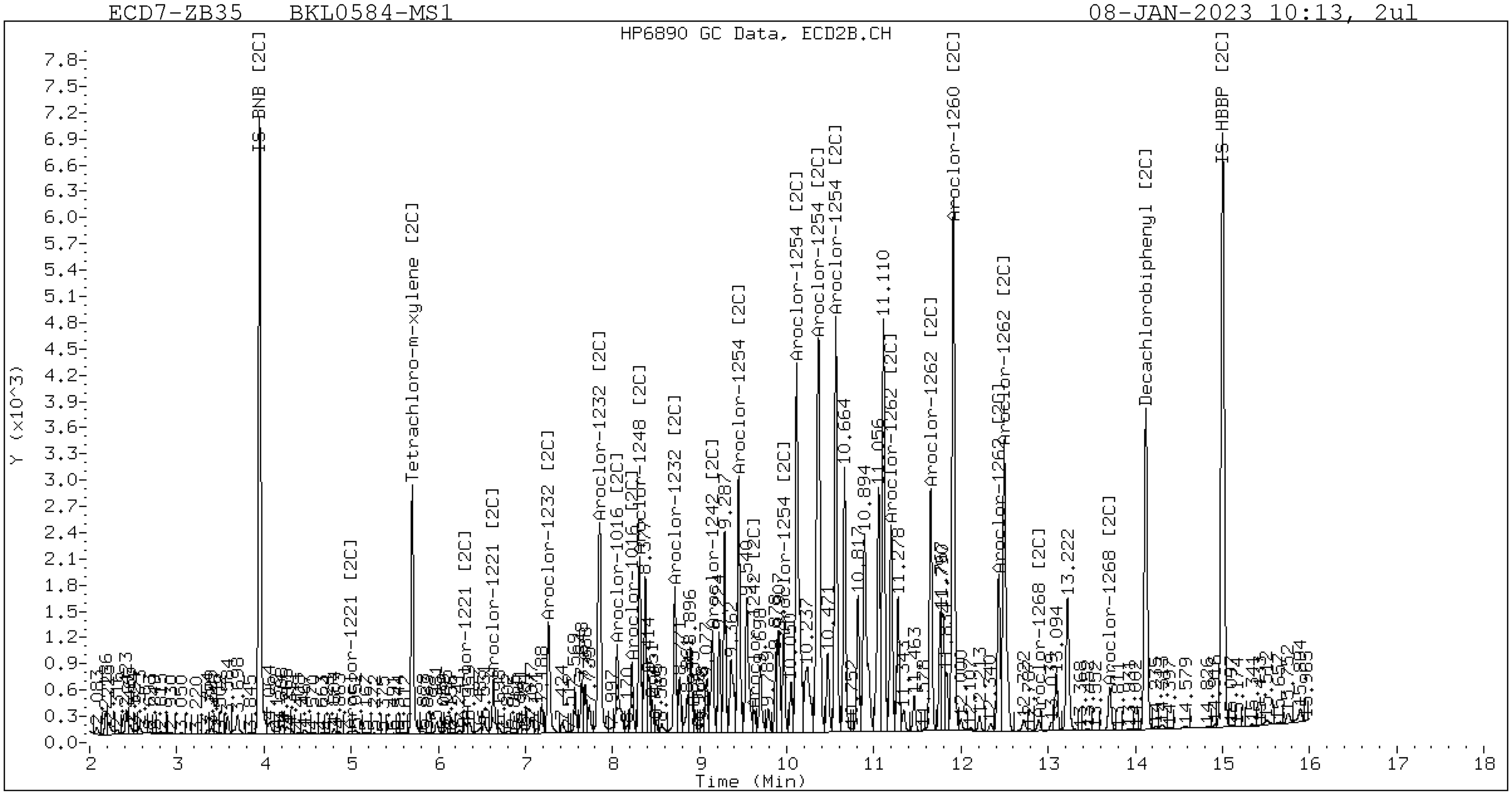
PCB Dual Column Chromatograms

ECD7-ZB5 BKL0584-MS1 08-JAN-2023 10:13, 2ul



ZB-5 Manual Integration: NO

ECD7-ZB35 BKL0584-MS1 08-JAN-2023 10:13, 2ul



ZB-35 Manual Integration: NO

```
                              Analytical Resources Inc.
                         Dual Column 608/8082 PCB Quantitation Report

Data file 1: /230107.b/01072372ECD7.D                   ARI ID: BKL0584-MSD1
Data file 2: /230107.b/230107.b/01072372ECD7.D          Client ID:
Method: \\target\share\chem4\ecd7.i\230107.b\PCB.m      Injection Date: 08-JAN-2023 10:34
Compound Sublist: PCB.sub                               Report Date: 01/11/2023 15:13
Instrument, Inj. Vol.: ecd7.i, 2ul                      Matrix: NONE
Quant Method: Internal Std                              Dilution Factor:  1.0



                                 SURROGATES

       ZB5 Col         |       ZB35 Col         |   ZB5    ZB35
  RT    Shift Response | RT    Shift  Response  |  on col  on col    RPD   Compound/Flag
========================================================================================

 5.825 -0.008   149785 | 5.702  -0.007   105017|   23.6    26.1     10.1    Tetrachloro-m-xylene
13.895 -0.009   153428 |14.122  -0.006   160662|   31.6    29.3      7.5    Decachlorobiphenyl


*  Indicates RPD > 40%



                            INTERNAL STANDARD SUMMARY

                                        Column 1
                                 Standard    Sample
               Standard Cpnd       Area*       Area      %D
           --------------------------------------------------
             Bromo-Nitrobenzene    447645      447670    0.0
             Hexabromobiphenyl     798898      530490  -33.6

                                        Column 2
                                 Standard    Sample
               Standard Cpnd       Area*       Area      %D
           --------------------------------------------------
             Bromo-Nitrobenzene    249094     293373    17.8
             Hexabromobiphenyl     362541     386672     6.7


            * Standard Areas taken from Initial Cal Level 3
              Initial Calibration Date: 03-DEC-2022
           <- Indicates standard response outside Limits (-50 to +100%)
```

```
                            ZB5 Col                                 ZB35 Col
 Aroclor   Peak#    RT    Shift    Area    Amount    Peak#   RT     Shift    Area   Amount
 ==========================================================================================
 Aroclor-1016 1   7.281  -0.009     53850   360.6      1    7.265  -0.006    58124   387.5
 Aroclor-1016 2   7.657  -0.023    189827   393.7      2    7.853  -0.019   132952   411.0
 Aroclor-1016 3   7.795  -0.018     66018   302.2      3    8.054  -0.016    49847   358.8
 Aroclor-1016 4   8.410  -0.015     83482   599.4      4    8.223  -0.019    29572   404.8
       Total Col1Ave (4 peaks):   414.0       Total Col2Ave (4 peaks):   390.5   RPD = 6
       Corrected Ave (3 peaks):   352.2       Corrected Ave (3 peaks):   383.7   RPD = 9

 Aroclor-1221 1   4.754  -0.006      2656    71.8      1    4.992   0.005     1657    66.9
 Aroclor-1221 2   6.147  -0.012      7514   115.3      2    6.312  -0.009     5161   109.4
 Aroclor-1221 3   6.397  -0.012     37117   246.8      3    6.633  -0.012    25559   321.9
       Total Col1Ave (3 peaks):   144.6       Total Col2Ave (3 peaks):   166.1   RPD = 14
       Corrected Ave: < 3 Peaks                      Corrected Ave: < 3 Peaks

 Aroclor-1232 1   4.754  -0.007      2656   119.2      1    4.992   0.003     1657   116.1
 Aroclor-1232 2   6.147  -0.013      7514   159.7      2    7.265  -0.011    58124   797.8
 Aroclor-1232 3   7.657  -0.027    189827   898.5      3    7.853  -0.023   132952   933.5
 Aroclor-1232 4   8.578  -0.027     73579   820.8      4    8.716  -0.018    62212  1611.0
       Total Col1Ave (4 peaks):   499.6       Total Col2Ave (4 peaks):   864.6   RPD = 54*
       Corrected Ave (3 peaks):   366.6       Corrected Ave (3 peaks):   615.8   RPD = 51*

 Aroclor-1242 1   7.281  -0.009     53850   424.4      1    7.265  -0.006    58124   468.1
 Aroclor-1242 2   7.657  -0.025    189827   471.2      2    7.853  -0.019   132952   504.4
 Aroclor-1242 3   8.410  -0.016     83482   720.2      3    9.149  -0.031    49640   583.8
 Aroclor-1242 4   8.996  -0.024    157691   655.1      4    9.628   0.022     9468    92.6
       Total Col1Ave (4 peaks):   567.7       Total Col2Ave (4 peaks):   412.2   RPD = 32
       Corrected Ave (3 peaks):   516.9       Corrected Ave (3 peaks):   355.1   RPD = 37

 Aroclor-1248 1   8.410  -0.015     83482   433.7      1    8.311  -0.011    73012   609.2
 Aroclor-1248 2   8.578  -0.025     73579   299.4      2    8.716  -0.012    62212   493.5
 Aroclor-1248 3   8.996  -0.023    157691   356.7      3    9.149  -0.029    49640   323.7
 Aroclor-1248 4   9.298  -0.015    177728   820.6      4    9.628   0.026     9468    52.6
       Total Col1Ave (4 peaks):   477.6       Total Col2Ave (4 peaks):   369.8   RPD = 25
       Corrected Ave (3 peaks):   363.3       Corrected Ave (3 peaks):   290.0   RPD = 22

 Aroclor-1254 1   9.298  -0.013    177728   450.9      1    9.448  -0.013   107476   568.2
 Aroclor-1254 2   9.372  -0.016     71496   466.4      2    9.966  -0.014    40100   263.7
 Aroclor-1254 3   9.670  -0.009    102228   410.6      3   10.114  -0.020   200943   614.7
 Aroclor-1254 4   9.798  -0.016    254842   525.2      4   10.366  -0.016   240815   711.4
 Aroclor-1254 5  10.124  -0.043    317542   954.6      5   10.563  -0.015   180462  1105.3
       Total Col1Ave (5 peaks):   561.5       Total Col2Ave (5 peaks):   652.6   RPD = 15
       Corrected Ave (4 peaks):   463.3       Corrected Ave (4 peaks):   539.5   RPD = 15

 Aroclor-1260 1  11.044  -0.016    113410   587.3      1   11.653  -0.010   105471   516.7
 Aroclor-1260 2  11.359  -0.017    104448   523.0      2   11.913  -0.015   243606   475.6
 Aroclor-1260 3  11.729  -0.022    271099   516.6      3   12.433  -0.013    71737   526.0
 Aroclor-1260 4  12.128  -0.025    144681   541.4      4   12.497  -0.015   159960   468.5
 Aroclor-1260 5  12.242  -0.014     58692   536.5     NS    ---                      ----
       Total Col1Ave (5 peaks):   541.0       Total Col2Ave (4 peaks):   496.7   RPD = 9
       Corrected Ave (4 peaks):   529.4       Corrected Ave (3 peaks):   487.0   RPD = 8

 Aroclor-1262 1  10.817  -0.031    333369  1879.2      1   11.199  -0.019    91828   312.3
 Aroclor-1262 2  12.242  -0.020     58692   212.8      2   11.653  -0.017   105471   414.2
 Aroclor-1262 3  12.316  -0.021     67924   230.6      3   12.433  -0.019    71737   255.4
 Aroclor-1262 4  12.982  -0.023     62629   264.9      4   12.497  -0.023   159960   363.6
       Total Col1Ave (4 peaks):   646.9       Total Col2Ave (4 peaks):   336.4   RPD = 63*
       Corrected Ave (3 peaks):   236.1       Corrected Ave (3 peaks):   310.4   RPD = 27

 Aroclor-1268 1  12.242  -0.020     58692    79.1      1   12.433  -0.017    71737    98.3
 Aroclor-1268 2  12.316  -0.019     67924    93.5      2   12.497  -0.020   159960   213.7
 Aroclor-1268 3  12.719   0.003     34022    57.2      3   12.893  -0.016     4912    17.7
 Aroclor-1268 4  13.487  -0.018     20472    11.3      4   13.707  -0.019    21085    10.6
       Total Col1Ave (4 peaks):    60.3       Total Col2Ave (4 peaks):    85.1   RPD = 34
```

Corrected Ave (3 peaks): 49.2 Corrected Ave (3 peaks): 42.2 RPD = 15

Total PCB Area Col1 (5.933 - 13.804) = 4921740 Col1 Total PCB = 1.2 ppm*

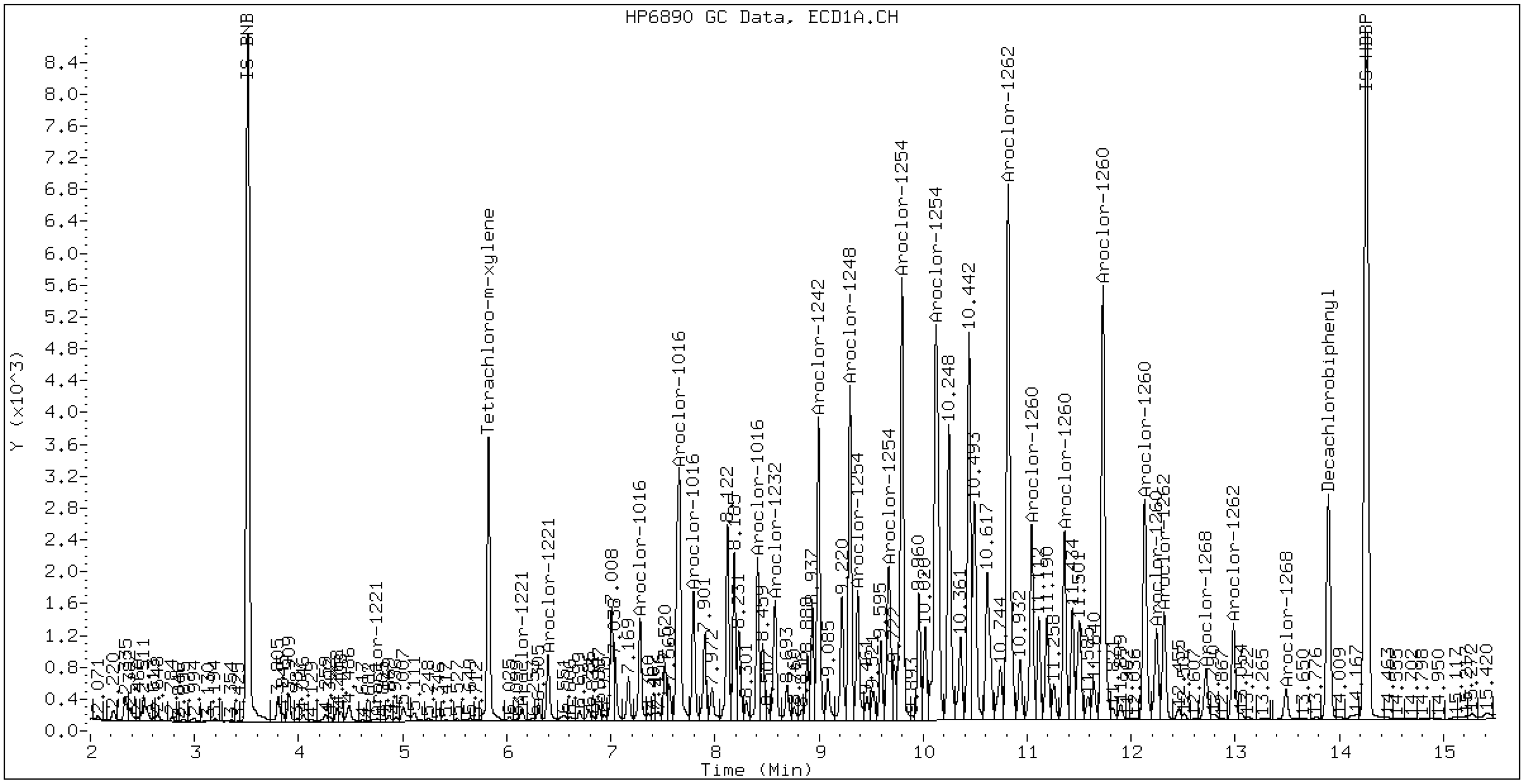
Total PCB Area Col2 (5.809 - 14.028) = 3743561 Col2 Total PCB = 1.4 ppm*

* Quantitated against AR1660 0.25ppm in Ical

PCB-Form 10 Mod.

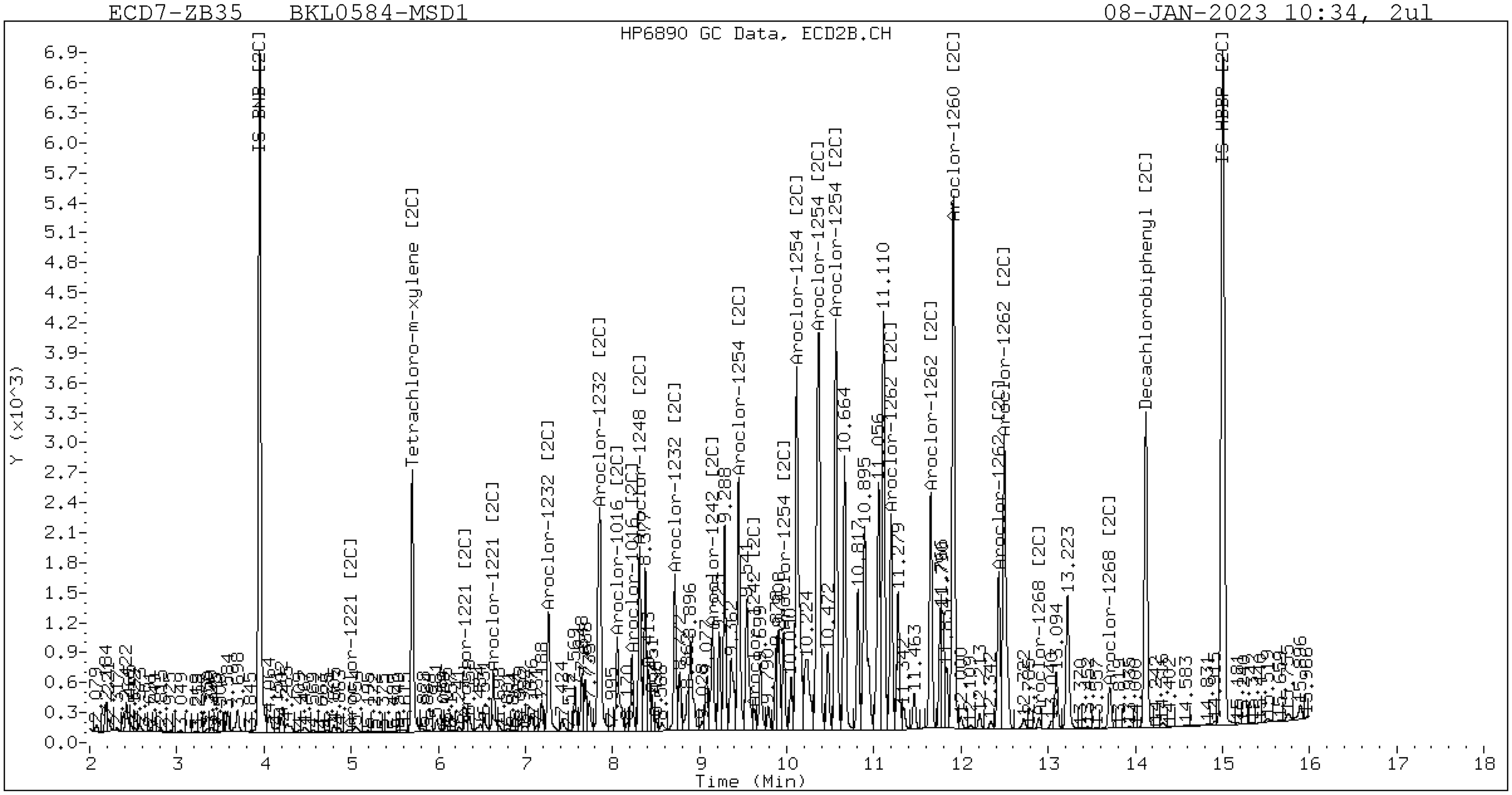
PCB Dual Column Chromatograms

ECD7-ZB5 BKL0584-MSD1 08-JAN-2023 10:34, 2ul



ZB-5 Manual Integration: NO

ECD7-ZB35 BKL0584-MSD1 08-JAN-2023 10:34, 2ul



ZB-35 Manual Integration: NO

STANDARD REFERENCE MATERIAL RECOVERY

EPA 8082A

Laboratory: Analytical Resources, LLC
SDG: 22L0307
Client: Anchor QEA, LLC
Project: AOC4 UR Phase 3
Matrix: Solid
Laboratory ID: BKL0581-SRM1
Batch: BKL0581
Initial/Final: 2.5 g / 2.5 mL
Preparation: EPA 3546 (Microwave)
Analyzed: 12/31/2022 18:36
Standard ID: K010815
Expires: 05/17/2023
Standard Lot#: PSRM0164
Description: Puget Sound reference-SRM

ANALYTE	TRUE (ug/kg wet)	FOUND (ug/kg wet)	MDL	MRL	Q	SRM % REC.	QC LIMITS REC.
Aroclor 1260	108.00	117	2.9	20.0		108	38 - 167
Aroclor 1260 [2C]	108.00	110	2.9	20.0		102	38 - 167

* Values outside of QC limits

```
                              Analytical Resources Inc.
                         Dual Column 608/8082 PCB Quantitation Report

Data file 1: /221231.b/12312225ECD7.D                        ARI ID: BKL0581-SRM1
Data file 2: /221231.b/221231.b/12312225ECD7.D               Client ID:
Method: \\target\share\chem4\ecd7.i\221231.b\PCB.m           Injection Date: 31-DEC-2022 18:36
Compound Sublist: PCB.sub                                    Report Date: 01/05/2023 17:03
Instrument, Inj. Vol.: ecd7.i, 2ul                           Matrix: NONE
Quant Method: Internal Std                                   Dilution Factor:  1.0



                                 SURROGATES

       ZB5 Col         |       ZB35 Col         |   ZB5    ZB35
  RT    Shift Response | RT    Shift  Response  |  on col  on col    RPD   Compound/Flag
============================================================================================

 5.830 -0.001   206002 | 5.707  -0.003   133667|   28.2    29.2      3.4    Tetrachloro-m-xylene
13.896 -0.005   237994 |14.125  -0.005   215642|   35.7    32.0     10.9    Decachlorobiphenyl


*  Indicates RPD > 40%




                             INTERNAL STANDARD SUMMARY

                                         Column 1
                                  Standard    Sample
                  Standard Cpnd      Area*       Area      %D
               ---------------------------------------------------
                 Bromo-Nitrobenzene    447645      515318   15.1
                 Hexabromobiphenyl     798898      727027   -9.0

                                         Column 2
                                  Standard    Sample
                  Standard Cpnd      Area*       Area      %D
               ---------------------------------------------------
                 Bromo-Nitrobenzene    249094     334043    34.1
                 Hexabromobiphenyl     362541     474259    30.8


                * Standard Areas taken from Initial Cal Level 3
                  Initial Calibration Date: 03-DEC-2022
               <- Indicates standard response outside Limits (-50 to +100%)
```

```
//target/share/chem4/ecd7.i/221231.b/12312225ECD7.D      BKL0581-SRM1                    page 2
                            ZB5 Col                                  ZB35 Col
 Aroclor   Peak#    RT    Shift    Area    Amount    Peak#   RT     Shift    Area   Amount
 ==========================================================================================
 Aroclor-1016 1   7.325   0.030     4991    29.0      1    7.280   0.007    10447    61.2
 Aroclor-1016 2   7.665  -0.020    10260    18.5      2    7.853  -0.021     6189    16.8
 Aroclor-1016 3   7.816  -0.001     7374    29.3      3    8.062  -0.011     1592    10.1
 Aroclor-1016 4   8.417  -0.012    14140    88.2      4    8.229  -0.015     2105    25.3
       Total Col1Ave (4 peaks):    41.3       Total Col2Ave (4 peaks):    28.3   RPD = 37
       Corrected Ave (3 peaks):    25.6       Corrected Ave (3 peaks):    17.4   RPD = 38

 Aroclor-1221 1   4.762   0.002     2391    56.1      1    4.974  -0.013     3603   127.8
 Aroclor-1221 2   6.193   0.035     3466    46.2      2    6.363   0.041    16324   303.8
 Aroclor-1221 3   6.415   0.006     4352    25.1      3    6.659   0.014     5803    64.2
       Total Col1Ave (3 peaks):    42.5       Total Col2Ave (3 peaks):   165.3   RPD = 118*
       Corrected Ave: < 3 Peaks                      Corrected Ave: < 3 Peaks

 Aroclor-1232 1   4.762   0.001     2391    93.3      1    4.974  -0.016     3603   221.8
 Aroclor-1232 2   6.193   0.034     3466    64.0      2    7.280   0.003    10447   125.9
 Aroclor-1232 3   7.665  -0.019    10260    42.2      3    7.853  -0.023     6189    38.2
 Aroclor-1232 4   8.568  -0.038    20948   203.0      4    8.722  -0.012     8490   193.1
       Total Col1Ave (4 peaks):   100.6       Total Col2Ave (4 peaks):   144.7   RPD = 36
       Corrected Ave (3 peaks):    66.5       Corrected Ave (3 peaks):   119.1   RPD = 57*

 Aroclor-1242 1   7.325   0.035     4991    34.2      1    7.280   0.008    10447    73.9
 Aroclor-1242 2   7.665  -0.013    10260    22.1      2    7.853  -0.017     6189    20.6
 Aroclor-1242 3   8.417  -0.006    14140   106.0      3    9.157  -0.013     4799    49.6
 Aroclor-1242 4   9.003  -0.020    18210    65.7      4    9.550  -0.042     7370    63.3
       Total Col1Ave (4 peaks):    57.0       Total Col2Ave (4 peaks):    51.9   RPD = 9
       Corrected Ave (3 peaks):    40.7       Corrected Ave (3 peaks):    44.5   RPD = 9

 Aroclor-1248 1   8.417  -0.010    14140    63.8      1    8.316  -0.007     5435    39.8
 Aroclor-1248 2   8.568  -0.036    20948    74.0      2    8.722  -0.007     8490    59.2
 Aroclor-1248 3   9.003  -0.019    18210    35.8      3    9.157  -0.017     4799    27.5
 Aroclor-1248 4   9.304  -0.007    24978   100.2      4    9.550  -0.045     7370    36.0
       Total Col1Ave (4 peaks):    68.5       Total Col2Ave (4 peaks):    40.6   RPD = 51*
       Corrected Ave (3 peaks):    57.9       Corrected Ave (3 peaks):    34.4   RPD = 51*

 Aroclor-1254 1   9.304  -0.017    24978    55.1      1    9.454  -0.008    13568    63.0
 Aroclor-1254 2   9.380  -0.022    10173    57.7      2    9.972  -0.007     6507    37.6
 Aroclor-1254 3   9.674  -0.020    15554    54.3      3   10.122  -0.008    28242    75.9
 Aroclor-1254 4   9.806  -0.025    34346    61.5      4   10.373  -0.005    36990    96.0
 Aroclor-1254 5  10.126  -0.063    54986   143.6      5   10.568  -0.008    37576   202.1
       Total Col1Ave (5 peaks):    74.4       Total Col2Ave (5 peaks):    94.9   RPD = 24
       Corrected Ave (4 peaks):    57.1       Corrected Ave (4 peaks):    68.1   RPD = 18

 Aroclor-1260 1  11.048  -0.014    32232   121.8      1   11.655  -0.008    26441   105.6
 Aroclor-1260 2  11.361  -0.016    27174    99.3      2   11.917  -0.009    61245    97.5
 Aroclor-1260 3  11.733  -0.018    89219   124.1      3   12.435  -0.010    23228   138.9
 Aroclor-1260 4  12.135  -0.024    44216   120.7      4   12.500  -0.009    41287    98.6
 Aroclor-1260 5  12.248  -0.014    17720   118.2      NS    ---                       ----
       Total Col1Ave (5 peaks):   116.8       Total Col2Ave (4 peaks):   110.1   RPD = 6
       Corrected Ave (4 peaks):   115.0       Corrected Ave (3 peaks):   100.6   RPD = 13

 Aroclor-1262 1  10.824  -0.024    73845   303.7      1   11.203  -0.015    23312    64.6
 Aroclor-1262 2  12.248  -0.015    17720    46.9      2   11.655  -0.015    26441    84.7
 Aroclor-1262 3  12.320  -0.016    21361    52.9      3   12.435  -0.017    23228    67.4
 Aroclor-1262 4  12.985  -0.020    21004    64.8      4   12.500  -0.019    41287    76.5
       Total Col1Ave (4 peaks):   117.1       Total Col2Ave (4 peaks):    73.3   RPD = 46*
       Corrected Ave (3 peaks):    54.9       Corrected Ave (3 peaks):    69.5   RPD = 24

 Aroclor-1268 1  12.248  -0.015    17720    17.4      1   12.435  -0.015    23228    25.9
 Aroclor-1268 2  12.320  -0.015    21361    21.5      2   12.500  -0.017    41287    45.0
 Aroclor-1268 3  12.724   0.008     9825    12.0      3   12.899  -0.011      759     2.2
 Aroclor-1268 4  13.489  -0.016     3635     1.5      4   13.710  -0.016     6034     2.5
       Total Col1Ave (4 peaks):    13.1       Total Col2Ave (4 peaks):    18.9   RPD = 36
```

```
     Corrected Ave (3 peaks):    10.3       Corrected Ave (3 peaks):    10.2   RPD = 1




Total PCB Area Col1 (5.932 - 13.801) =    1231067     Col1 Total PCB = 0.2 ppm*

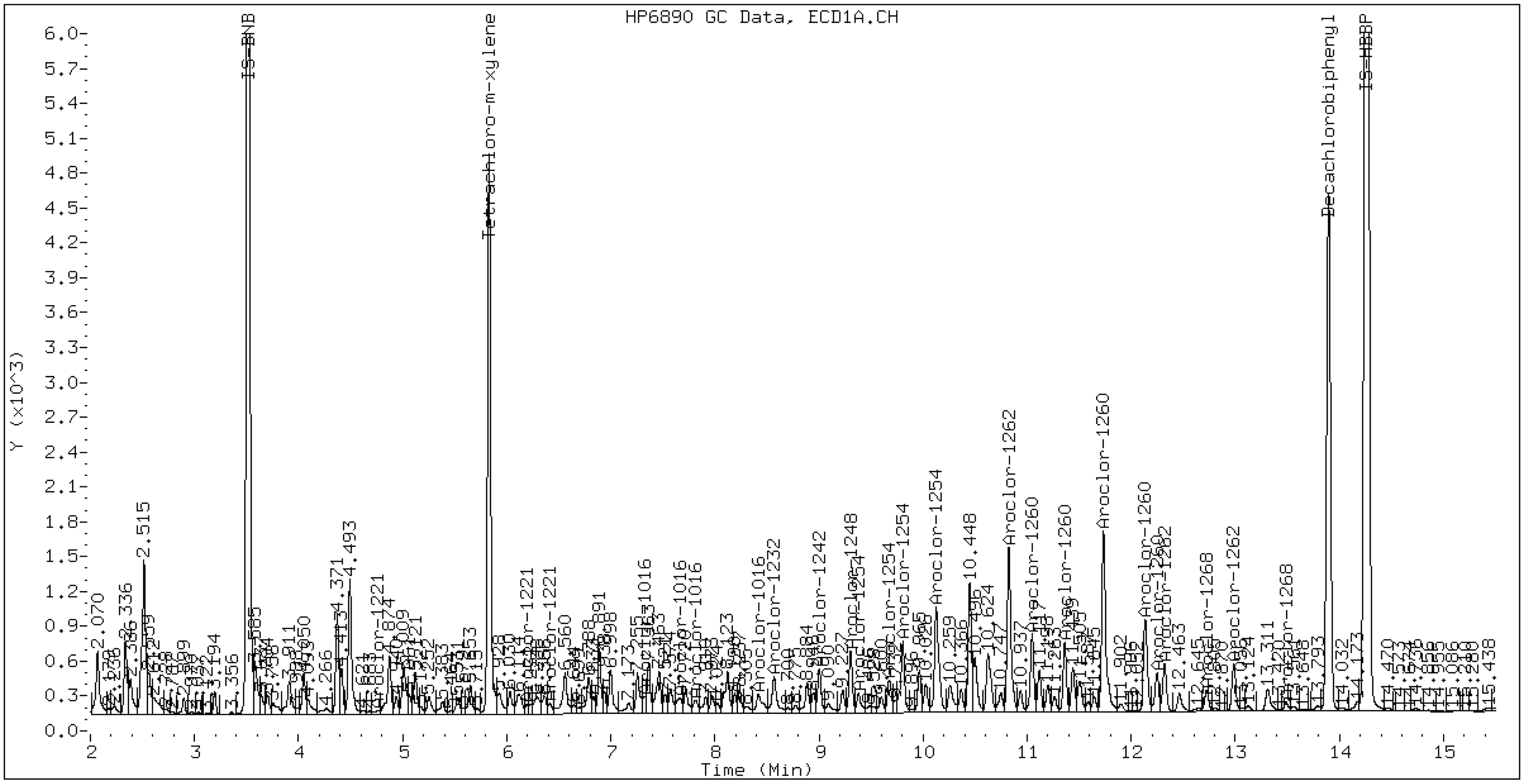
Total PCB Area Col2 (5.810 - 14.030) =     769172     Col2 Total PCB = 0.2 ppm*

  *  Quantitated against AR1660 0.25ppm in Ical

                                    PCB-Form 10 Mod.
```

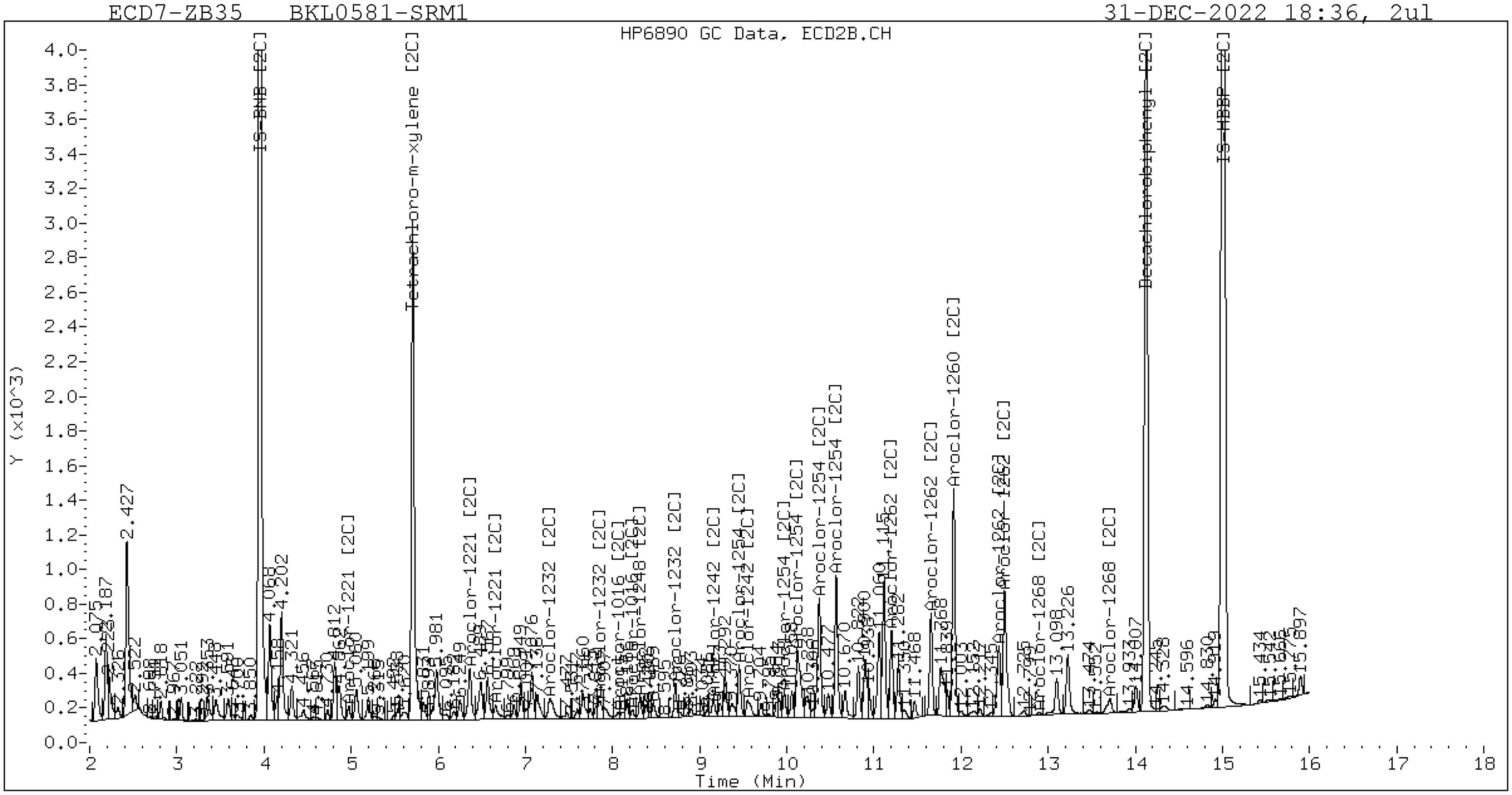
PCB Dual Column Chromatograms

ECD7-ZB5 BKL0581-SRM1 31-DEC-2022 18:36, 2ul



ZB-5 Manual Integration: NO

ECD7-ZB35 BKL0581-SRM1 31-DEC-2022 18:36, 2ul



ZB-35 Manual Integration: NO

STANDARD REFERENCE MATERIAL RECOVERY

EPA 8082A

Laboratory:	Analytical Resources, LLC	**SDG:**	22L0307
Client:	Anchor QEA, LLC	**Project:**	AOC4 UR Phase 3
Matrix:	Solid	**Laboratory ID:**	BKL0582-SRM1
Batch:	BKL0582	**Initial/Final:**	2.5 g / 2.5 mL
Preparation:	EPA 3546 (Microwave)	**Analyzed:**	01/07/2023 19:06
Standard ID:	K010815	**Expires:**	05/17/2023
Standard Lot#:	PSRM0164	**Description:**	Puget Sound reference-SRM

ANALYTE	TRUE (ug/kg wet)	FOUND (ug/kg wet)	MDL	MRL	Q	SRM % REC.	QC LIMITS REC.
Aroclor 1260	108.00	119	2.9	20.0		111	38 - 167
Aroclor 1260 [2C]	108.00	119	2.9	20.0		110	38 - 167

* Values outside of QC limits

```
                              Analytical Resources Inc.
                         Dual Column 608/8082 PCB Quantitation Report

Data file 1: /230107.b/01072328ECD7.D                        ARI ID: BKL0582-SRM1
Data file 2: /230107.b/230107.b/01072328ECD7.D               Client ID:
Method: \\target\share\chem4\ecd7.i\230107.b\PCB.m           Injection Date: 07-JAN-2023 19:06
Compound Sublist: PCB.sub                                    Report Date: 01/11/2023 15:12
Instrument, Inj. Vol.: ecd7.i, 2ul                           Matrix: NONE
Quant Method: Internal Std                                   Dilution Factor:  1.0



                                  SURROGATES

       ZB5 Col         |       ZB35 Col         |   ZB5    ZB35
  RT    Shift Response | RT    Shift  Response  |  on col  on col    RPD   Compound/Flag
==========================================================================================

 5.829 -0.004   222659 | 5.705  -0.004   148612|   31.3    32.9      5.1    Tetrachloro-m-xylene
13.897 -0.006   288799 |14.124  -0.004   269431|   40.7    38.3      6.3    Decachlorobiphenyl


*  Indicates RPD > 40%




                             INTERNAL STANDARD SUMMARY

                                         Column 1
                                  Standard    Sample
                   Standard Cpnd       Area*       Area      %D
               --------------------------------------------------
                 Bromo-Nitrobenzene    447645      502205   12.2
                 Hexabromobiphenyl     798898      773203   -3.2

                                         Column 2
                                  Standard    Sample
                   Standard Cpnd       Area*       Area      %D
               --------------------------------------------------
                 Bromo-Nitrobenzene    249094     329343    32.2
                 Hexabromobiphenyl     362541     495827    36.8


                * Standard Areas taken from Initial Cal Level 3
                  Initial Calibration Date: 03-DEC-2022
               <- Indicates standard response outside Limits (-50 to +100%)
```

```
//target/share/chem4/ecd7.i/230107.b/01072328ECD7.D      BKL0582-SRM1                      page 2
                            ZB5 Col                               ZB35 Col
 Aroclor   Peak#    RT    Shift    Area    Amount    Peak#   RT     Shift    Area   Amount
 ==========================================================================================
 Aroclor-1016 1   7.255  -0.035     15369    91.7      1    7.277   0.005     8795    52.2
 Aroclor-1016 2   7.666  -0.014      7687    14.2      2    7.858  -0.015     7710    21.2
 Aroclor-1016 3   7.817   0.004      5258    21.5      3    8.061  -0.009     2152    13.8
 Aroclor-1016 4   8.416  -0.009      8712    55.8      4    8.229  -0.013     1907    23.3
       Total Col1Ave (4 peaks):    45.8       Total Col2Ave (4 peaks):    27.6   RPD = 49*
       Corrected Ave (3 peaks):    30.5       Corrected Ave (3 peaks):    19.4   RPD = 44*

 Aroclor-1221 1   4.758  -0.002       389     9.4      1    4.966  -0.021      555    20.0
 Aroclor-1221 2   6.140  -0.019      2428    33.2      2    6.360   0.039    12746   240.6
 Aroclor-1221 3   6.416   0.007      2204    13.1      3    6.655   0.010     3444    38.6
       Total Col1Ave (3 peaks):    18.5       Total Col2Ave (3 peaks):    99.7   RPD = 137*
       Corrected Ave: < 3 Peaks                      Corrected Ave: < 3 Peaks

 Aroclor-1232 1   4.758  -0.003       389    15.6      1    4.966  -0.023      555    34.7
 Aroclor-1232 2   6.140  -0.020      2428    46.0      2    7.277   0.000     8795   107.5
 Aroclor-1232 3   7.666  -0.017      7687    32.4      3    7.858  -0.018     7710    48.2
 Aroclor-1232 4   8.586  -0.020      7229    71.9      4    8.721  -0.013     5302   122.3
       Total Col1Ave (4 peaks):    41.5       Total Col2Ave (4 peaks):    78.2   RPD = 61*
       Corrected Ave (3 peaks):    31.3       Corrected Ave (3 peaks):    63.5   RPD = 68*

 Aroclor-1242 1   7.255  -0.036     15369   108.0      1    7.277   0.005     8795    63.1
 Aroclor-1242 2   7.666  -0.016      7687    17.0      2    7.858  -0.014     7710    26.1
 Aroclor-1242 3   8.416  -0.009      8712    67.0      3    9.156  -0.024     7554    79.1
 Aroclor-1242 4   9.003  -0.018     18612    68.9      4    9.548  -0.058    11534   100.5
       Total Col1Ave (4 peaks):    65.2       Total Col2Ave (4 peaks):    67.2   RPD = 3
       Corrected Ave (3 peaks):    51.0       Corrected Ave (3 peaks):    56.1   RPD = 10

 Aroclor-1248 1   8.416  -0.009      8712    40.3      1    8.315  -0.007     6596    49.0
 Aroclor-1248 2   8.586  -0.017      7229    26.2      2    8.721  -0.007     5302    37.5
 Aroclor-1248 3   9.003  -0.016     18612    37.5      3    9.156  -0.022     7554    43.9
 Aroclor-1248 4   9.303  -0.010     27479   113.1      4    9.548  -0.054    11534    57.1
       Total Col1Ave (4 peaks):    54.3       Total Col2Ave (4 peaks):    46.9   RPD = 15
       Corrected Ave (3 peaks):    34.7       Corrected Ave (3 peaks):    43.5   RPD = 22

 Aroclor-1254 1   9.303  -0.008     27479    62.1      1    9.452  -0.009    18078    85.1
 Aroclor-1254 2   9.379  -0.009     10698    62.2      2    9.970  -0.010     8951    52.4
 Aroclor-1254 3   9.673  -0.005     16789    60.1      3   10.121  -0.013    34576    94.2
 Aroclor-1254 4   9.805  -0.009     37819    69.5      4   10.372  -0.011    44517   117.1
 Aroclor-1254 5  10.125  -0.043     60981   163.4      5   10.567  -0.011    44855   244.7
       Total Col1Ave (5 peaks):    83.5       Total Col2Ave (5 peaks):   118.7   RPD = 35
       Corrected Ave (4 peaks):    63.5       Corrected Ave (4 peaks):    87.2   RPD = 32

 Aroclor-1260 1  11.047  -0.013     35441   125.9      1   11.655  -0.008    29911   114.3
 Aroclor-1260 2  11.360  -0.016     29255   100.5      2   11.916  -0.013    70701   107.7
 Aroclor-1260 3  11.732  -0.018     92801   121.3      3   12.434  -0.011    25720   147.1
 Aroclor-1260 4  12.134  -0.020     49988   128.3      4   12.499  -0.012    47145   107.7
 Aroclor-1260 5  12.247  -0.010     19248   120.7      NS    ---                      ----
       Total Col1Ave (5 peaks):   119.4       Total Col2Ave (4 peaks):   119.2   RPD = 0
       Corrected Ave (4 peaks):   117.1       Corrected Ave (3 peaks):   109.9   RPD = 6

 Aroclor-1262 1  10.823  -0.025     81053   313.5      1   11.201  -0.016    27485    72.9
 Aroclor-1262 2  12.247  -0.016     19248    47.9      2   11.655  -0.015    29911    91.6
 Aroclor-1262 3  12.320  -0.016     23597    55.0      3   12.434  -0.017    25720    71.4
 Aroclor-1262 4  12.985  -0.020     22683    65.8      4   12.499  -0.020    47145    83.6
       Total Col1Ave (4 peaks):   120.5       Total Col2Ave (4 peaks):    79.9   RPD = 41*
       Corrected Ave (3 peaks):    56.2       Corrected Ave (3 peaks):    76.0   RPD = 30

 Aroclor-1268 1  12.247  -0.016     19248    17.8      1   12.434  -0.015    25720    27.5
 Aroclor-1268 2  12.320  -0.015     23597    22.3      2   12.499  -0.018    47145    49.1
 Aroclor-1268 3  12.724   0.008     11262    13.0      3   12.899  -0.011      858     2.4
 Aroclor-1268 4  13.491  -0.014      3993     1.5      4   13.708  -0.018     6572     2.6
       Total Col1Ave (4 peaks):    13.6       Total Col2Ave (4 peaks):    20.4   RPD = 40
```

```
     Corrected Ave (3 peaks):    10.8       Corrected Ave (3 peaks):    10.8   RPD = 1




Total PCB Area Col1 (5.933 - 13.804) =    1120668     Col1 Total PCB = 0.2 ppm*

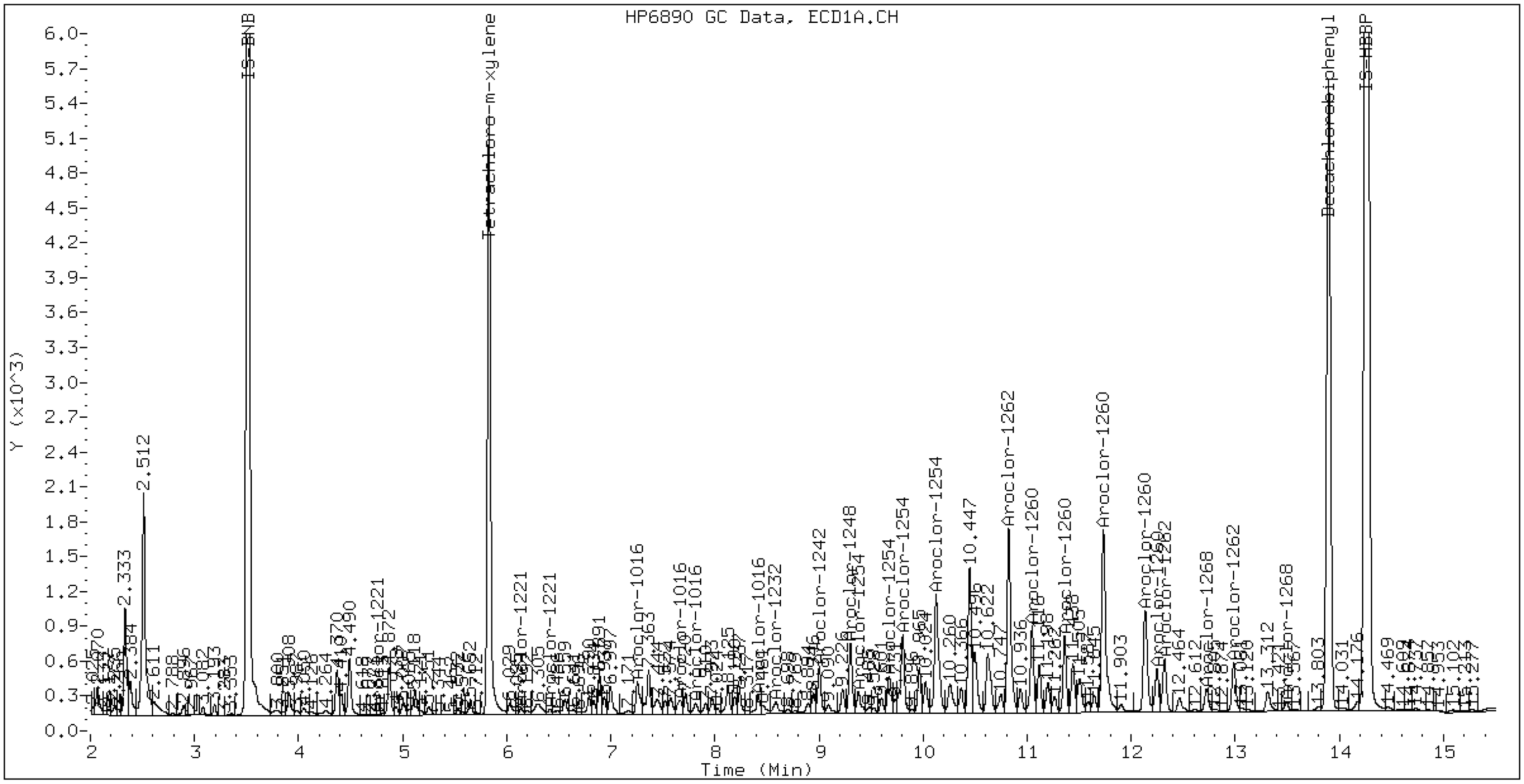
Total PCB Area Col2 (5.809 - 14.028) =     837341     Col2 Total PCB = 0.3 ppm*

  *  Quantitated against AR1660 0.25ppm in Ical

                                    PCB-Form 10 Mod.
```

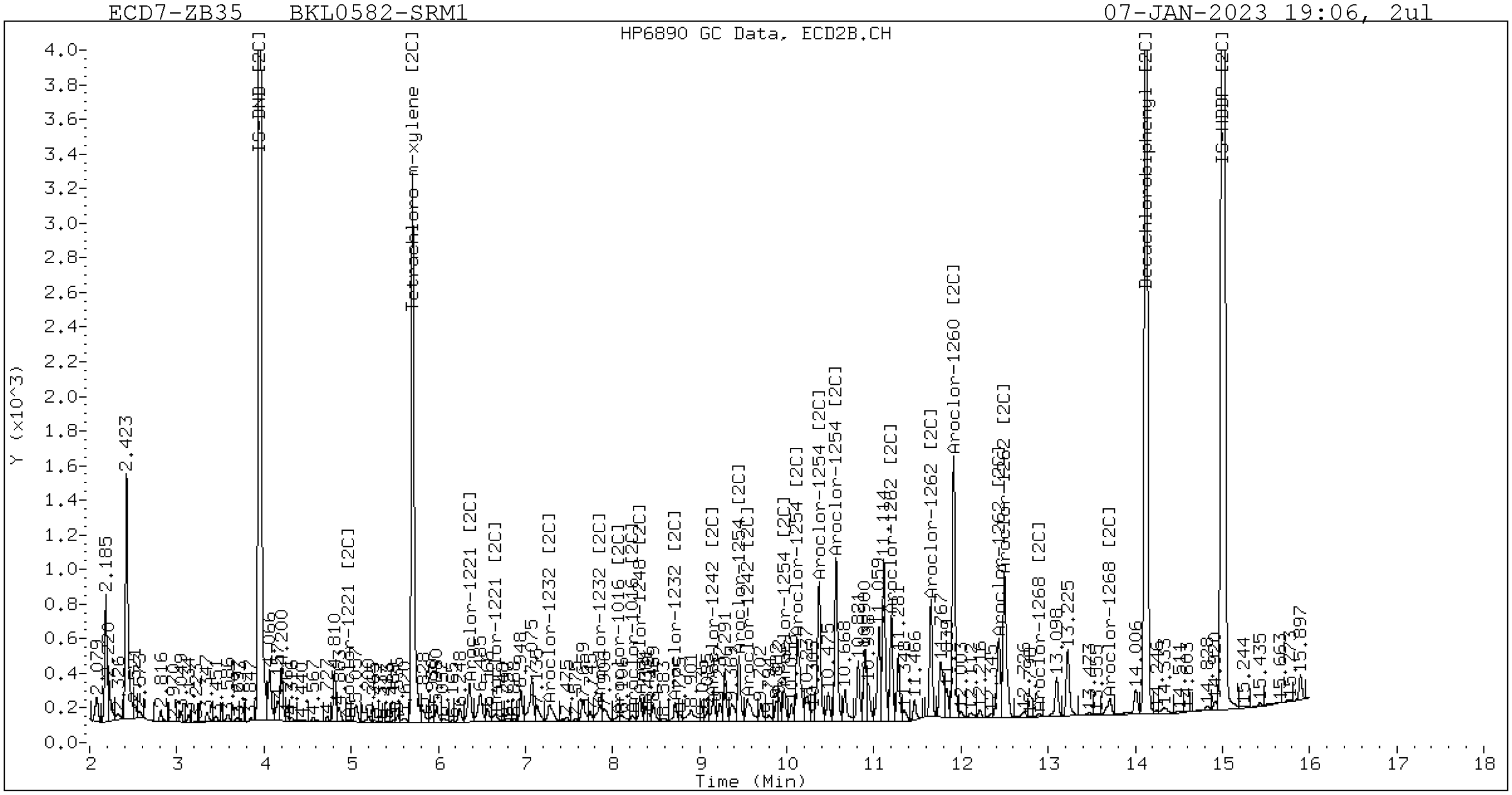
PCB Dual Column Chromatograms

ECD7-ZB5 BKL0582-SRM1 07-JAN-2023 19:06, 2ul



ZB-5 Manual Integration: NO

ECD7-ZB35 BKL0582-SRM1 07-JAN-2023 19:06, 2ul



ZB-35 Manual Integration: NO

STANDARD REFERENCE MATERIAL RECOVERY

EPA 8082A

Laboratory:	Analytical Resources, LLC	**SDG:**	22L0307
Client:	Anchor QEA, LLC	**Project:**	AOC4 UR Phase 3
Matrix:	Solid	**Laboratory ID:**	BKL0583-SRM1
Batch:	BKL0583	**Initial/Final:**	2.5 g / 2.5 mL
Preparation:	EPA 3546 (Microwave)	**Analyzed:**	01/09/2023 11:10
Standard ID:	K010815	**Expires:**	05/17/2023
Standard Lot#:	PSRM0164	**Description:**	Puget Sound reference-SRM

ANALYTE	TRUE (ug/kg wet)	FOUND (ug/kg wet)	MDL	MRL	Q	SRM % REC.	QC LIMITS REC.
Aroclor 1260	108.00	114	2.9	20.0		105	38 - 167
Aroclor 1260 [2C]	108.00	109	2.9	20.0		101	38 - 167

* Values outside of QC limits

```
                            Analytical Resources Inc.
                       Dual Column 608/8082 PCB Quantitation Report

Data file 1: /230109.b/01092307ECD7.D                        ARI ID: BKL0583-SRM1
Data file 2: /230109.b/230109.b/01092307ECD7.D               Client ID:
Method: \\target\share\chem4\ecd7.i\230109.b\PCB.m           Injection Date: 09-JAN-2023 11:10
Compound Sublist: PCB.sub                                    Report Date: 01/14/2023 11:52
Instrument, Inj. Vol.: ecd7.i, 2ul                           Matrix: NONE
Quant Method: Internal Std                                   Dilution Factor:  1.0



                                   SURROGATES

       ZB5 Col          |       ZB35 Col          |   ZB5    ZB35
  RT    Shift Response | RT    Shift  Response   |  on col  on col    RPD   Compound/Flag
============================================================================================

 5.829 -0.008   207929 | 5.705  -0.008   139028|   27.4    28.4      3.3    Tetrachloro-m-xylene
13.896 -0.011   278765 |14.123  -0.014   252656|   34.9    31.9      9.0    Decachlorobiphenyl


*  Indicates RPD > 40%




                              INTERNAL STANDARD SUMMARY

                                          Column 1
                                   Standard    Sample
                 Standard Cpnd       Area*       Area      %D
               --------------------------------------------------
                 Bromo-Nitrobenzene    447645      534696   19.4
                 Hexabromobiphenyl     798898      871729    9.1

                                          Column 2
                                   Standard    Sample
                 Standard Cpnd       Area*       Area      %D
               --------------------------------------------------
                 Bromo-Nitrobenzene    249094     357528    43.5
                 Hexabromobiphenyl     362541     558405    54.0


                * Standard Areas taken from Initial Cal Level 3
                  Initial Calibration Date: 03-DEC-2022
               <- Indicates standard response outside Limits (-50 to +100%)
```

```
//target/share/chem4/ecd7.i/230109.b/01092307ECD7.D      BKL0583-SRM1                        page 2
                            ZB5 Col                                ZB35 Col
 Aroclor   Peak#    RT    Shift    Area    Amount    Peak#   RT     Shift    Area   Amount
 ========================================================================================
 Aroclor-1016 1      ---                     0.0      1     ---                     0.0
 Aroclor-1016 2      ---                     0.0      2     ---                     0.0
 Aroclor-1016 3      ---                     0.0      3     ---                     0.0
 Aroclor-1016 4      ---                     0.0      4     ---                     0.0
            Col1Ave: <3 Quant Peaks                  Col2Ave: <3 Quant Peaks

 Aroclor-1221 1      ---                     0.0      1     ---                     0.0
 Aroclor-1221 2      ---                     0.0      2     ---                     0.0
 Aroclor-1221 3      ---                     0.0      3     ---                     0.0
            Col1Ave: <3 Quant Peaks                  Col2Ave: <3 Quant Peaks

 Aroclor-1232 1      ---                     0.0      1     ---                     0.0
 Aroclor-1232 2      ---                     0.0      2     ---                     0.0
 Aroclor-1232 3      ---                     0.0      3     ---                     0.0
 Aroclor-1232 4      ---                     0.0      4     ---                     0.0
            Col1Ave: <3 Quant Peaks                  Col2Ave: <3 Quant Peaks

 Aroclor-1242 1      ---                     0.0      1     ---                     0.0
 Aroclor-1242 2      ---                     0.0      2     ---                     0.0
 Aroclor-1242 3      ---                     0.0      3     ---                     0.0
 Aroclor-1242 4      ---                     0.0      4     ---                     0.0
            Col1Ave: <3 Quant Peaks                  Col2Ave: <3 Quant Peaks

 Aroclor-1248 1      ---                     0.0      1     ---                     0.0
 Aroclor-1248 2      ---                     0.0      2     ---                     0.0
 Aroclor-1248 3      ---                     0.0      3     ---                     0.0
 Aroclor-1248 4      ---                     0.0      4     ---                     0.0
            Col1Ave: <3 Quant Peaks                  Col2Ave: <3 Quant Peaks

 Aroclor-1254 1      ---                     0.0      1     ---                     0.0
 Aroclor-1254 2      ---                     0.0      2     ---                     0.0
 Aroclor-1254 3      ---                     0.0      3     ---                     0.0
 Aroclor-1254 4      ---                     0.0      4     ---                     0.0
 Aroclor-1254 5      ---                     0.0      5     ---                     0.0
            Col1Ave: <3 Quant Peaks                  Col2Ave: <3 Quant Peaks

 Aroclor-1260 1  11.047  -0.016     36861   116.2      1   11.654  -0.016    30797   104.5
 Aroclor-1260 2  11.359  -0.018     31266    95.3      2   11.915  -0.018    73794    99.8
 Aroclor-1260 3  11.732  -0.020    102420   118.8      3   12.434  -0.018    25140   127.6
 Aroclor-1260 4  12.133  -0.025     52922   120.5      4   12.499  -0.018    50665   102.8
 Aroclor-1260 5  12.246  -0.016     21194   117.9      NS    ---                     ----
      Total Col1Ave (5 peaks):   113.7       Total Col2Ave (4 peaks):   108.7   RPD = 5
      Corrected Ave (4 peaks):   112.0       Corrected Ave (3 peaks):   102.3   RPD = 9

 Aroclor-1262 1      ---                     0.0      1     ---                     0.0
 Aroclor-1262 2      ---                     0.0      2     ---                     0.0
 Aroclor-1262 3      ---                     0.0      3     ---                     0.0
 Aroclor-1262 4      ---                     0.0      4     ---                     0.0
            Col1Ave: <3 Quant Peaks                  Col2Ave: <3 Quant Peaks

 Aroclor-1268 1      ---                     0.0      1     ---                     0.0
 Aroclor-1268 2      ---                     0.0      2     ---                     0.0
 Aroclor-1268 3      ---                     0.0      3     ---                     0.0
 Aroclor-1268 4      ---                     0.0      4     ---                     0.0
            Col1Ave: <3 Quant Peaks                  Col2Ave: <3 Quant Peaks
```

Total PCB Area Col1 (5.936 - 13.808) = 1062548 Col1 Total PCB = 0.2 ppm*

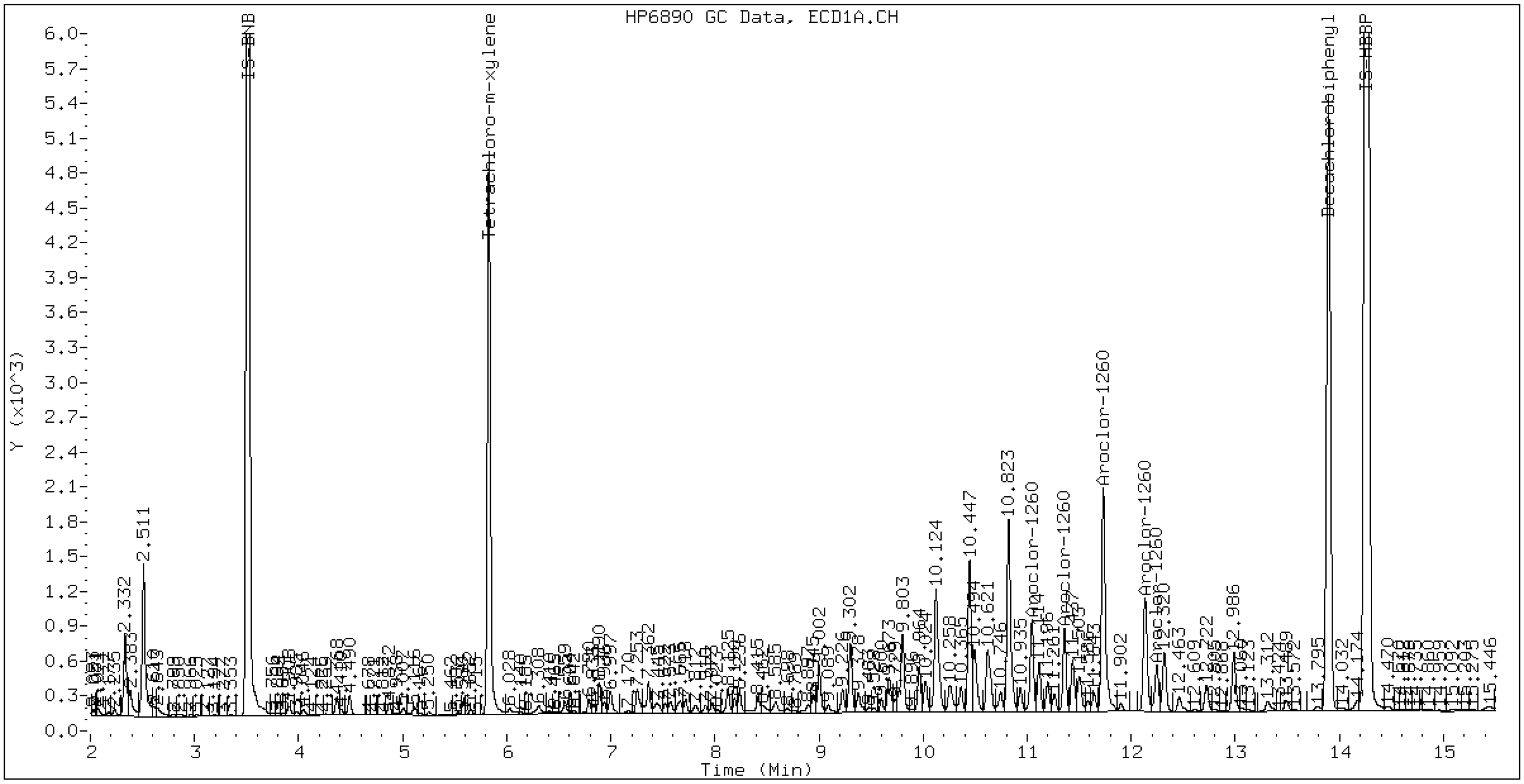
Total PCB Area Col2 (5.813 - 14.037) = 817711 Col2 Total PCB = 0.2 ppm*

* Quantitated against AR1660 0.25ppm in Ical

PCB-Form 10 Mod.

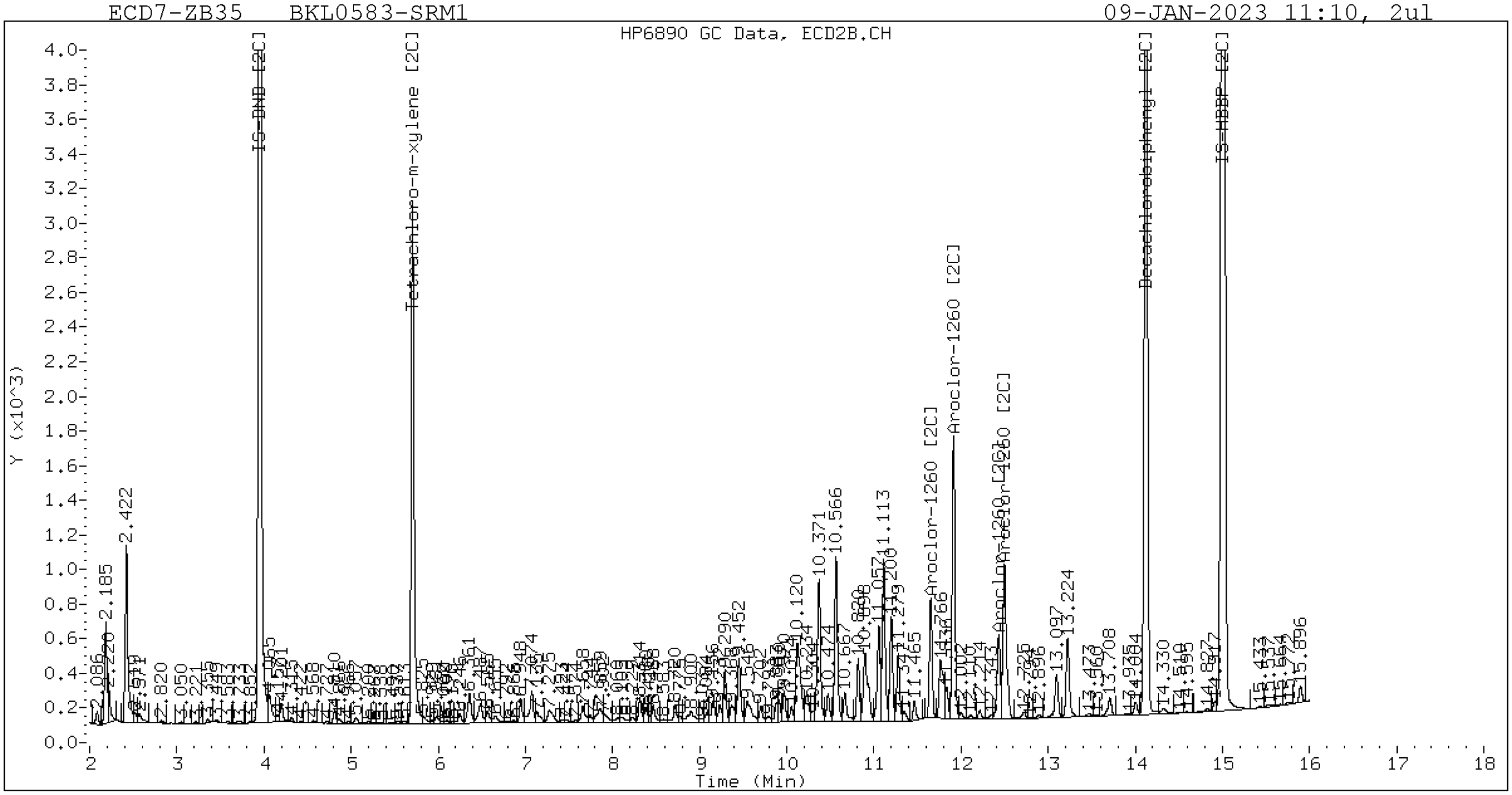
PCB Dual Column Chromatograms

ECD7-ZB5 BKL0583-SRM1 09-JAN-2023 11:10, 2ul



ZB-5 Manual Integration: NO

ECD7-ZB35 BKL0583-SRM1 09-JAN-2023 11:10, 2ul



ZB-35 Manual Integration: NO

STANDARD REFERENCE MATERIAL RECOVERY

EPA 8082A

Laboratory:	Analytical Resources, LLC	**SDG:**	22L0307
Client:	Anchor QEA, LLC	**Project:**	AOC4 UR Phase 3
Matrix:	Solid	**Laboratory ID:**	BKL0584-SRM1
Batch:	BKL0584	**Initial/Final:**	2.5 g / 2.5 mL
Preparation:	EPA 3546 (Microwave)	**Analyzed:**	01/08/2023 7:45
Standard ID:	K010815	**Expires:**	05/17/2023
Standard Lot#:	PSRM0164	**Description:**	Puget Sound reference-SRM

ANALYTE	TRUE (ug/kg wet)	FOUND (ug/kg wet)	MDL	MRL	Q	SRM % REC.	QC LIMITS REC.
Aroclor 1260	108.00	144	2.9	20.0		133	38 - 167
Aroclor 1260 [2C]	108.00	144	2.9	20.0		133	38 - 167

* Values outside of QC limits

```
                              Analytical Resources Inc.
                         Dual Column 608/8082 PCB Quantitation Report

Data file 1: /230107.b/01072364ECD7.D                        ARI ID: BKL0584-SRM1
Data file 2: /230107.b/230107.b/01072364ECD7.D               Client ID:
Method: \\target\share\chem4\ecd7.i\230107.b\PCB.m           Injection Date: 08-JAN-2023 07:45
Compound Sublist: PCB.sub                                    Report Date: 01/11/2023 15:13
Instrument, Inj. Vol.: ecd7.i, 2ul                           Matrix: NONE
Quant Method: Internal Std                                   Dilution Factor:  1.0



                                   SURROGATES

       ZB5 Col          |       ZB35 Col          |   ZB5    ZB35
  RT    Shift Response | RT    Shift  Response  |  on col  on col    RPD   Compound/Flag
============================================================================================

  5.829 -0.004   227204 | 5.705  -0.004   150942|   32.7    32.5      0.8    Tetrachloro-m-xylene
 13.895 -0.009   280536 |14.123  -0.005   259356|   40.3    37.2      8.0    Decachlorobiphenyl


*  Indicates RPD > 40%




                              INTERNAL STANDARD SUMMARY

                                          Column 1
                                   Standard    Sample
                  Standard Cpnd       Area*       Area      %D
               --------------------------------------------------
                 Bromo-Nitrobenzene    447645      489832    9.4
                 Hexabromobiphenyl     798898      758803   -5.0

                                          Column 2
                                   Standard    Sample
                  Standard Cpnd       Area*       Area      %D
               --------------------------------------------------
                 Bromo-Nitrobenzene    249094     339056    36.1
                 Hexabromobiphenyl     362541     490694    35.3


                * Standard Areas taken from Initial Cal Level 3
                  Initial Calibration Date: 03-DEC-2022
               <- Indicates standard response outside Limits (-50 to +100%)
```

```
                              ZB5 Col                                   ZB35 Col
 Aroclor    Peak#     RT     Shift     Area     Amount     Peak#    RT      Shift     Area   Amount
 ===========================================================================================
 Aroclor-1016 1   7.321   0.031      1123      6.9      1    7.273   0.001     5459    31.5
 Aroclor-1016 2   7.665  -0.015      9750     18.5      2    7.860  -0.013     9465    25.3
 Aroclor-1016 3   7.805  -0.009      4175     17.5      3    8.060  -0.011     2501    15.6
 Aroclor-1016 4   8.414  -0.011     11361     74.5      4    8.229  -0.013     1994    23.6
       Total Col1Ave (4 peaks):    29.3       Total Col2Ave (4 peaks):    24.0   RPD = 20
       Corrected Ave (3 peaks):    14.3       Corrected Ave (3 peaks):    21.5   RPD = 40*

 Aroclor-1221 1   4.725  -0.035       453     11.2      1    4.966  -0.021      542    18.9
 Aroclor-1221 2   6.138  -0.021       764     10.7      2    6.358   0.036     5882   107.9
 Aroclor-1221 3   6.407  -0.002      2200     13.4      3    6.652   0.007     3134    34.1
       Total Col1Ave (3 peaks):    11.8       Total Col2Ave (3 peaks):    53.6   RPD = 128*
       Corrected Ave: < 3 Peaks                      Corrected Ave: < 3 Peaks

 Aroclor-1232 1   4.725  -0.036       453     18.6      1    4.966  -0.023      542    32.9
 Aroclor-1232 2   6.138  -0.021       764     14.8      2    7.273  -0.004     5459    64.8
 Aroclor-1232 3   7.665  -0.019      9750     42.2      3    7.860  -0.016     9465    57.5
 Aroclor-1232 4   8.583  -0.022      7691     78.4      4    8.719  -0.015     5068   113.6
       Total Col1Ave (4 peaks):    38.5       Total Col2Ave (4 peaks):    67.2   RPD = 54*
       Corrected Ave (3 peaks):    25.2       Corrected Ave (3 peaks):    51.7   RPD = 69*

 Aroclor-1242 1   7.321   0.031      1123      8.1      1    7.273   0.001     5459    38.0
 Aroclor-1242 2   7.665  -0.017      9750     22.1      2    7.860  -0.012     9465    31.1
 Aroclor-1242 3   8.414  -0.011     11361     89.6      3    9.154  -0.025     7838    79.8
 Aroclor-1242 4   9.002  -0.018     20126     76.4      4    9.546  -0.060    11854   100.4
       Total Col1Ave (4 peaks):    49.0       Total Col2Ave (4 peaks):    62.3   RPD = 24
       Corrected Ave (3 peaks):    35.5       Corrected Ave (3 peaks):    49.6   RPD = 33

 Aroclor-1248 1   8.414  -0.010     11361     53.9      1    8.315  -0.008     6884    49.7
 Aroclor-1248 2   8.583  -0.019      7691     28.6      2    8.719  -0.009     5068    34.8
 Aroclor-1248 3   9.002  -0.017     20126     41.6      3    9.154  -0.024     7838    44.2
 Aroclor-1248 4   9.302  -0.011     28670    121.0      4    9.546  -0.056    11854    57.0
       Total Col1Ave (4 peaks):    61.3       Total Col2Ave (4 peaks):    46.4   RPD = 28
       Corrected Ave (3 peaks):    41.4       Corrected Ave (3 peaks):    42.9   RPD = 4

 Aroclor-1254 1   9.302  -0.009     28670     66.5      1    9.451  -0.010    19222    87.9
 Aroclor-1254 2   9.377  -0.011     10607     63.2      2    9.970  -0.010     7728    44.0
 Aroclor-1254 3   9.672  -0.006     17579     64.5      3   10.120  -0.014    38012   100.6
 Aroclor-1254 4   9.803  -0.011     40887     77.0      4   10.371  -0.012    50088   128.0
 Aroclor-1254 5  10.124  -0.043     68358    187.8      5   10.566  -0.012    51058   270.6
       Total Col1Ave (5 peaks):    91.8       Total Col2Ave (5 peaks):   126.2   RPD = 32
       Corrected Ave (4 peaks):    67.8       Corrected Ave (4 peaks):    90.1   RPD = 28

 Aroclor-1260 1  11.045  -0.014     43119    156.1      1   11.654  -0.009    35656   137.7
 Aroclor-1260 2  11.359  -0.017     36458    127.6      2   11.915  -0.014    87682   134.9
 Aroclor-1260 3  11.730  -0.021    100650    134.1      3   12.434  -0.012    29400   169.9
 Aroclor-1260 4  12.132  -0.022     58722    153.6      4   12.498  -0.013    57896   133.6
 Aroclor-1260 5  12.245  -0.012     22906    146.4     NS    ---                         ----
       Total Col1Ave (5 peaks):   143.6       Total Col2Ave (4 peaks):   144.0   RPD = 0
       Corrected Ave (4 peaks):   140.4       Corrected Ave (3 peaks):   135.4   RPD = 4

 Aroclor-1262 1  10.822  -0.026     90081    355.0      1   11.201  -0.017    32804    87.9
 Aroclor-1262 2  12.245  -0.018     22906     58.1      2   11.654  -0.016    35656   110.3
 Aroclor-1262 3  12.318  -0.018     27970     66.4      3   12.434  -0.018    29400    82.5
 Aroclor-1262 4  12.984  -0.021     25900     76.6      4   12.498  -0.021    57896   103.7
       Total Col1Ave (4 peaks):   139.0       Total Col2Ave (4 peaks):    96.1   RPD = 36
       Corrected Ave (3 peaks):    67.0       Corrected Ave (3 peaks):    91.4   RPD = 31

 Aroclor-1268 1  12.245  -0.017     22906     21.6      1   12.434  -0.016    29400    31.7
 Aroclor-1268 2  12.318  -0.017     27970     26.9      2   12.498  -0.019    57896    61.0
 Aroclor-1268 3  12.722   0.006     12554     14.7      3   12.895  -0.015     1124     3.2
 Aroclor-1268 4  13.489  -0.016      5900      2.3      4   13.708  -0.018     7845     3.1
       Total Col1Ave (4 peaks):    16.4       Total Col2Ave (4 peaks):    24.7   RPD = 41*
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      Corrected Ave (3 peaks):    12.9       Corrected Ave (3 peaks):    12.7   RPD = 1




Total PCB Area Col1 (5.933 - 13.804) =    1173400     Col1 Total PCB = 0.3 ppm*

Total PCB Area Col2 (5.809 - 14.028) =     888090     Col2 Total PCB = 0.3 ppm*

  *  Quantitated against AR1660 0.25ppm in Ical

                                       PCB-Form 10 Mod.
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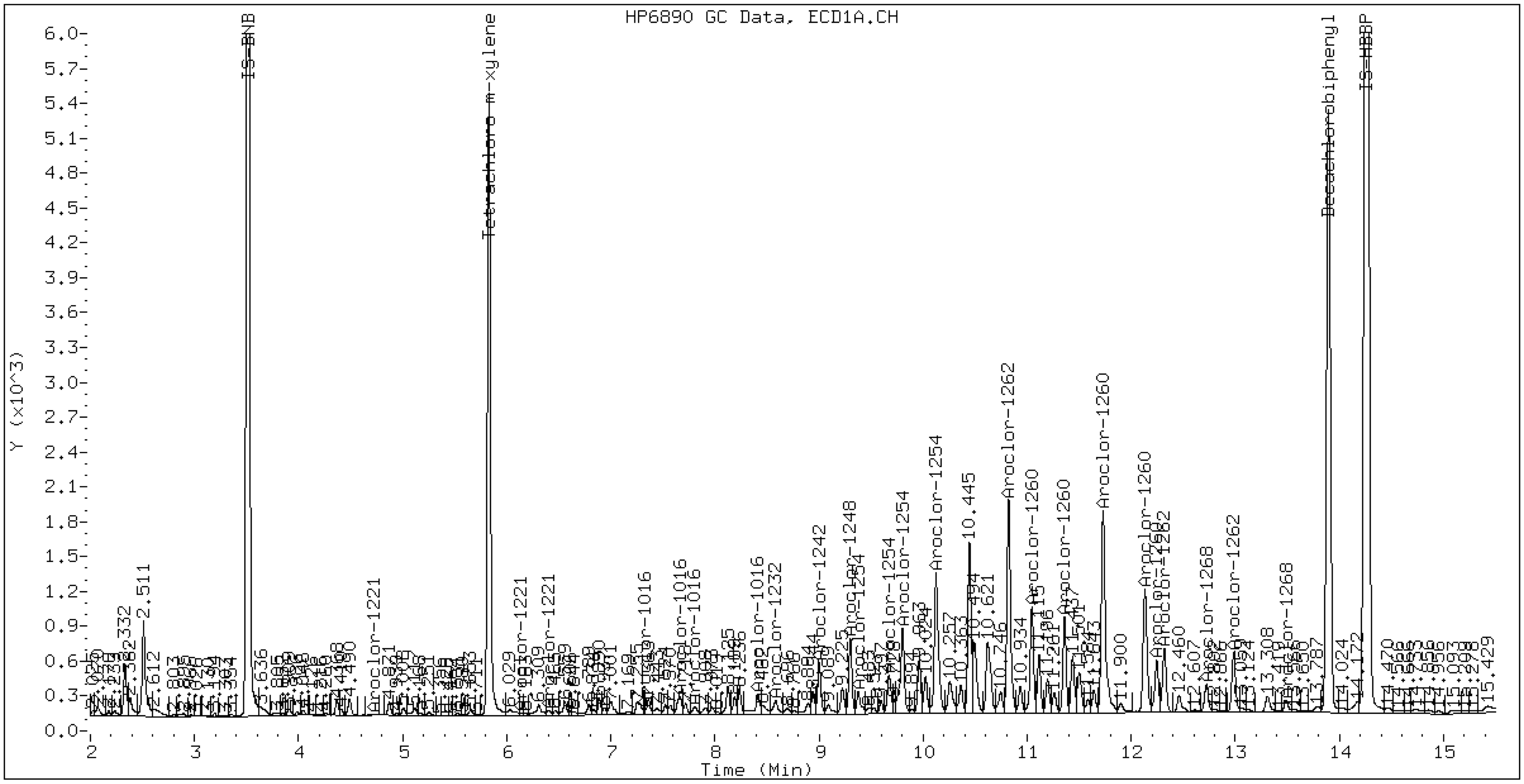
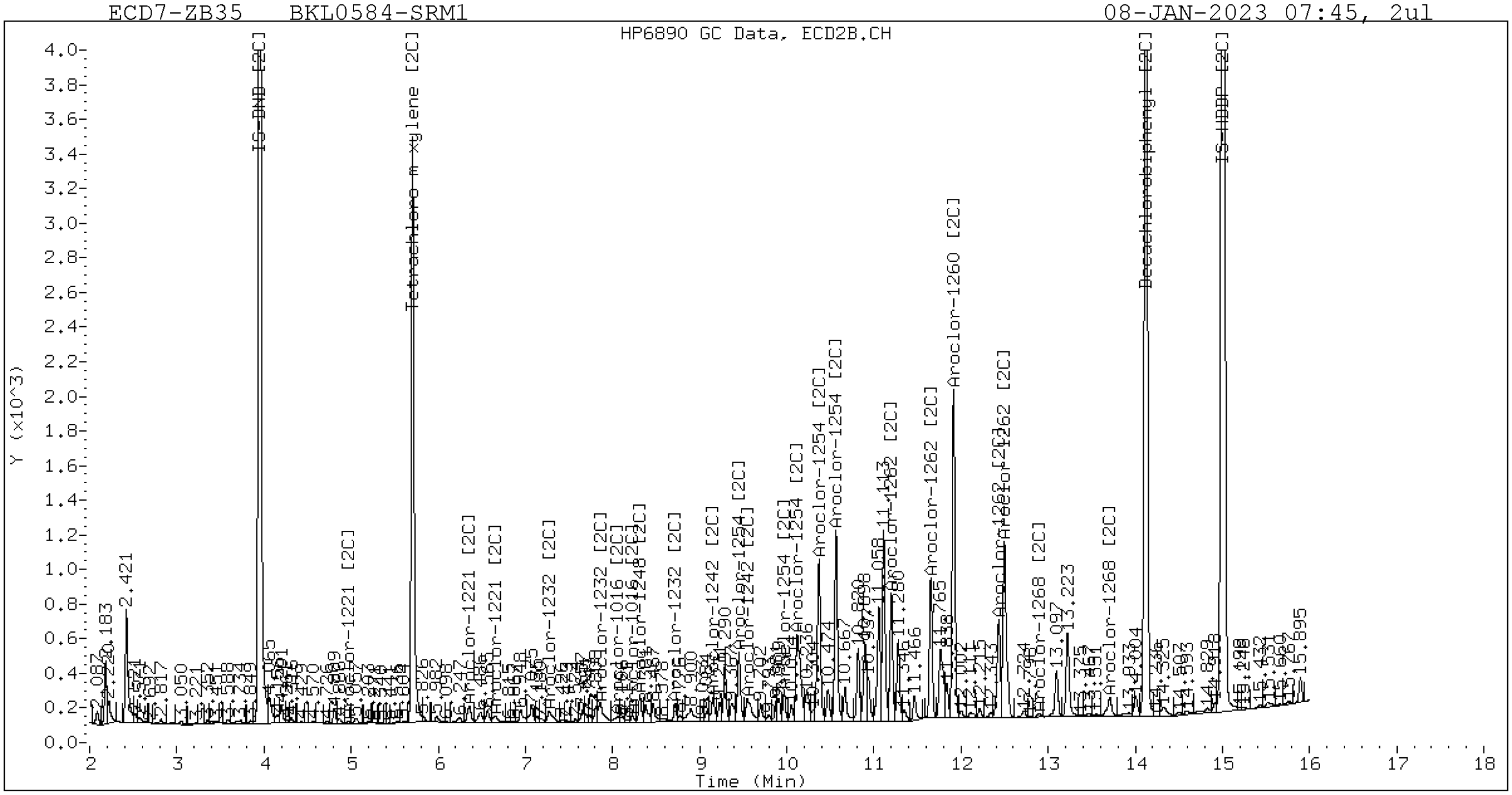
PCB Dual Column Chromatograms

ECD7-ZB5 BKL0584-SRM1 08-JAN-2023 07:45, 2ul



ZB-5 Manual Integration: NO

ECD7-ZB35 BKL0584-SRM1 08-JAN-2023 07:45, 2ul



ZB-35 Manual Integration: NO

Analytical Resources, LLC
Analytical Chemists and Consultants

INITIAL CALIBRATION DATA

EPA 8082A

Laboratory:	Analytical Resources, LLC	SDG:	22L0307
Client:	Anchor QEA, LLC	Project:	AOC4 UR Phase 3
Calibration:	FL00010	Instrument:	ECD7
Calibration Date:	12/03/2022	Column (1):	ZB5

Compound	Level 01		Level 02		Level 03		Level 04		Level 05		Level 06	
	Conc	RRF	Conc	RRF	Conc	RRF	Conc	RRF	Conc	RRF	Conc	RRF
Aroclor 1016	250	4.442913E-02	20	4.639571E-02	50	4.556147E-02	1000	3.903737E-02	100	4.740063E-02	500	4.233908E-02
Aroclor-1016 (1)	250	0.0268956	20	2.831682E-02	50	2.733211E-02	1000	2.312039E-02	100	2.907079E-02	500	2.538029E-02
Aroclor-1016 (2)	250	8.716121E-02	20	8.901322E-02	50	8.663465E-02	1000	7.848829E-02	100	9.099677E-02	500	8.464895E-02
Aroclor-1016 (3)	250	3.855698E-02	20	4.367479E-02	50	4.254251E-02	1000	3.139182E-02	100	4.326795E-02	500	3.482108E-02
Aroclor-1016 (4)	250	2.510275E-02	20	2.457802E-02	50	2.573659E-02	1000	2.314899E-02	100	2.626702E-02	500	2.450599E-02
Aroclor 1260	250	3.933402E-02	20	3.911434E-02	50	3.944532E-02	1000	3.674839E-02	100	4.123393E-02	500	3.832917E-02
Aroclor-1260 (1)	250	2.958395E-02	20	0.0300145	50	2.965004E-02	1000	0.0267287	100	3.044201E-02	500	2.830143E-02
Aroclor-1260 (2)	250	3.061257E-02	20	3.036959E-02	50	3.047228E-02	1000	2.827023E-02	100	0.0314491	500	2.953467E-02
Aroclor-1260 (3)	250	7.944504E-02	20	7.975557E-02	50	8.046888E-02	1000	7.412282E-02	100	8.422959E-02	500	7.678876E-02
Aroclor-1260 (4)	250	4.058671E-02	20	3.908843E-02	50	3.991468E-02	1000	3.908356E-02	100	4.249747E-02	500	4.063095E-02
Aroclor-1260 (5)	250	1.644185E-02	20	1.634363E-02	50	1.672073E-02	1000	1.553661E-02	100	1.755145E-02	500	1.639006E-02
Decachlorobiphenyl	40	0.7065182	3.2	0.8368252	8	0.7533014	160	0.6637701	16	0.7576822	80	0.6818994
Tetrachlorometaxylene	40	1.143098	3.2	1.157321	8	1.126881	160	1.081522	16	1.184437	80	1.108767

INITIAL CALIBRATION DATA

EPA 8082A

Laboratory:	Analytical Resources, LLC	SDG:	22L0307
Client:	Anchor QEA, LLC	Project:	AOC4 UR Phase 3
Calibration:	FL00010	Instrument:	ECD7
Calibration Date:	12/03/2022	Column (1):	ZB5

Compound	Level 07		Level 08		Level 09		Level 10		Level 11		Level 12	
	Conc	RRF	Conc	RRF	Conc	RRF	Conc	RRF	Conc	RRF	Conc	RRF
Aroclor 1221							250	1.504683E-02				
Aroclor-1221 (1)							250	6.613213E-03				
Aroclor-1221 (2)							250	1.165022E-02				
Aroclor-1221 (3)							250	2.687706E-02				
Aroclor 1232									250	0.0165403		
Aroclor-1232 (1)									250	3.980209E-03		
Aroclor-1232 (2)									250	8.407005E-03		
Aroclor-1232 (3)									250	3.775546E-02		
Aroclor-1232 (4)									250	1.601853E-02		
Aroclor 1242	250	3.960003E-02										
Aroclor-1242 (1)	250	2.267549E-02										
Aroclor-1242 (2)	250	0.0719967										
Aroclor-1242 (3)	250	2.071466E-02										
Aroclor-1242 (4)	250	4.301325E-02										
Aroclor 1248			250	4.900615E-02								
Aroclor-1248 (1)			250	3.439698E-02								
Aroclor-1248 (2)			250	4.391715E-02								
Aroclor-1248 (3)			250	7.900514E-02								
Aroclor-1248 (4)			250	3.870534E-02								
Aroclor 1254					250	5.769652E-02						
Aroclor-1254 (1)					250	7.043771E-02						
Aroclor-1254 (2)					250	2.739345E-02						
Aroclor-1254 (3)					250	4.448852E-02						
Aroclor-1254 (4)					250	8.671846E-02						
Aroclor-1254 (5)					250	5.944443E-02						
Aroclor 1262							250	3.710383E-02				
Aroclor-1262 (1)							250	2.675294E-02				
Aroclor-1262 (2)							250	4.159274E-02				

INITIAL CALIBRATION DATA
EPA 8082A

Laboratory:	Analytical Resources, LLC	SDG:	22L0307
Client:	Anchor QEA, LLC	Project:	AOC4 UR Phase 3
Calibration:	FL00010	Instrument:	ECD7
Calibration Date:	12/03/2022	Column (1):	ZB5

Compound	Level 07		Level 08		Level 09		Level 10		Level 11		Level 12	
	Conc	RRF	Conc	RRF	Conc	RRF	Conc	RRF	Conc	RRF	Conc	RRF
Aroclor-1262 (3)							250	4.441976E-02				
Aroclor-1262 (4)							250	0.0356499				
Aroclor 1268									250	0.1462909		
Aroclor-1268 (1)									250	0.1119264		
Aroclor-1268 (2)									250	0.1094959		
Aroclor-1268 (3)									250	8.974437E-02		
Aroclor-1268 (4)									250	0.2739969		

INITIAL CALIBRATION DATA

EPA 8082A

Laboratory:	Analytical Resources, LLC	SDG:	22L0307
Client:	Anchor QEA, LLC	Project:	AOC4 UR Phase 3
Calibration:	FL00010	Instrument:	ECD7
Calibration Date:	12/03/2022	Column (1):	ZB5

COMPOUND	Mean RRF	RRF RSD	Linear COD	Quad COD	Limit Type & Limit	Q
Aroclor 1016	0.0441939	6.9			RSD (20)	
Aroclor-1016 (1)	0.026686	8.1			RSD (20)	
Aroclor-1016 (2)	8.615718E-02	5.0			RSD (20)	
Aroclor-1016 (3)	3.904252E-02	13.0			RSD (20)	
Aroclor-1016 (4)	2.488989E-02	4.4			RSD (20)	
Aroclor 1221		0.0			RSD (20)	
Aroclor-1221 (1)		0.0			RSD (20)	
Aroclor-1221 (2)		0.0			RSD (20)	
Aroclor-1221 (3)		0.0			RSD (20)	
Aroclor 1232		0.0			RSD (20)	
Aroclor-1232 (1)		0.0			RSD (20)	
Aroclor-1232 (2)		0.0			RSD (20)	
Aroclor-1232 (3)		0.0			RSD (20)	
Aroclor-1232 (4)		0.0			RSD (20)	
Aroclor 1242		0.0			RSD (20)	
Aroclor-1242 (1)		0.0			RSD (20)	
Aroclor-1242 (2)		0.0			RSD (20)	
Aroclor-1242 (3)		0.0			RSD (20)	
Aroclor-1242 (4)		0.0			RSD (20)	
Aroclor 1248		0.0			RSD (20)	
Aroclor-1248 (1)		0.0			RSD (20)	
Aroclor-1248 (2)		0.0			RSD (20)	
Aroclor-1248 (3)		0.0			RSD (20)	
Aroclor-1248 (4)		0.0			RSD (20)	
Aroclor 1254		0.0			RSD (20)	
Aroclor-1254 (1)		0.0			RSD (20)	
Aroclor-1254 (2)		0.0			RSD (20)	
Aroclor-1254 (3)		0.0			RSD (20)	
Aroclor-1254 (4)		0.0			RSD (20)	
Aroclor-1254 (5)		0.0			RSD (20)	
Aroclor 1260	0.0390342	3.8			RSD (20)	

INITIAL CALIBRATION DATA

EPA 8082A

Laboratory:	Analytical Resources, LLC	SDG:	22L0307
Client:	Anchor QEA, LLC	Project:	AOC4 UR Phase 3
Calibration:	FL00010	Instrument:	ECD7
Calibration Date:	12/03/2022	Column (1):	ZB5

COMPOUND	Mean RRF	RRF RSD	Linear COD	Quad COD	Limit Type & Limit	Q
Aroclor-1260 (1)	2.912011E-02	4.7			RSD (20)	
Aroclor-1260 (2)	3.011807E-02	3.6			RSD (20)	
Aroclor-1260 (3)	7.913511E-02	4.3			RSD (20)	
Aroclor-1260 (4)	0.0403003	3.2			RSD (20)	
Aroclor-1260 (5)	1.649739E-02	3.9			RSD (20)	
Aroclor 1262		0.0			RSD (20)	
Aroclor-1262 (1)		0.0			RSD (20)	
Aroclor-1262 (2)		0.0			RSD (20)	
Aroclor-1262 (3)		0.0			RSD (20)	
Aroclor-1262 (4)		0.0			RSD (20)	
Aroclor 1268		0.0			RSD (20)	
Aroclor-1268 (1)		0.0			RSD (20)	
Aroclor-1268 (2)		0.0			RSD (20)	
Aroclor-1268 (3)		0.0			RSD (20)	
Aroclor-1268 (4)		0.0			RSD (20)	
Decachlorobiphenyl	0.7333327	8.6			RSD (20)	
Tetrachlorometaxylene	1.133671	3.2			RSD (20)	

INITIAL CALIBRATION DATA

EPA 8082A

Laboratory:	Analytical Resources, LLC	SDG:	22L0307
Client:	Anchor QEA, LLC	Project:	AOC4 UR Phase 3
Calibration:	FL00010	Instrument:	ECD7
Calibration Date:	12/03/2022	Column (2):	ZB35

Compound	Level 01		Level 02		Level 03		Level 04		Level 05		Level 06	
	Conc	RRF	Conc	RRF	Conc	RRF	Conc	RRF	Conc	RRF	Conc	RRF
Aroclor 1016 [2C]	250	4.636996E-02	20	4.892746E-02	50	4.983417E-02	1000	4.130781E-02	100	4.955636E-02	500	4.439044E-02
Aroclor-1016 (1) [2C]	250	4.084306E-02	20	4.420829E-02	50	4.265547E-02	1000	3.510686E-02	100	0.0443387	500	3.826546E-02
Aroclor-1016 (2) [2C]	250	8.779336E-02	20	9.126619E-02	50	9.396419E-02	1000	7.840925E-02	100	9.357078E-02	500	8.428834E-02
Aroclor-1016 (3) [2C]	250	3.650991E-02	20	4.176802E-02	50	4.245186E-02	1000	3.207576E-02	100	3.977512E-02	500	3.472696E-02
Aroclor-1016 (4) [2C]	250	2.033353E-02	20	1.846735E-02	50	2.026517E-02	1000	1.963937E-02	100	2.054085E-02	500	0.020281
Aroclor 1260 [2C]	250	6.221729E-02	20	0.0650374	50	6.381838E-02	1000	5.557609E-02	100	6.547338E-02	500	5.844879E-02
Aroclor-1260 (1) [2C]	250	4.226259E-02	20	4.530508E-02	50	4.502141E-02	1000	3.753653E-02	100	0.0443443	500	3.890007E-02
Aroclor-1260 (2) [2C]	250	0.1084108	20	0.1102753	50	0.109287	1000	9.364812E-02	100	0.1132315	500	0.1009332
Aroclor-1260 (3) [2C]	250	0.0279644	20	2.937953E-02	50	2.834399E-02	1000	2.696653E-02	100	2.956699E-02	500	2.708248E-02
Aroclor-1260 (4) [2C]	250	7.023139E-02	20	7.518967E-02	50	7.262117E-02	1000	0.0641532	100	0.0747507	500	6.687944E-02
Decachlorobiphenyl [2C]	40	1.127762	3.2	1.199521	8	1.131904	160	1.086775	16	1.175985	80	1.092964
Tetrachlorometaxylene [2C]	40	1.103254	3.2	1.151553	8	1.074022	160	1.032691	16	1.152616	80	1.06551

INITIAL CALIBRATION DATA

EPA 8082A

Laboratory:	Analytical Resources, LLC	SDG:	22L0307
Client:	Anchor QEA, LLC	Project:	AOC4 UR Phase 3
Calibration:	FL00010	Instrument:	ECD7
Calibration Date:	12/03/2022	Column (2):	ZB35

Compound	Level 07		Level 08		Level 09		Level 10		Level 11		Level 12	
	Conc	RRF	Conc	RRF	Conc	RRF	Conc	RRF	Conc	RRF	Conc	RRF
Aroclor 1221 [2C]							250	0.0137578				
Aroclor-1221 (1) [2C]							250	6.751325E-03				
Aroclor-1221 (2) [2C]							250	1.286764E-02				
Aroclor-1221 (3) [2C]							250	2.165445E-02				
Aroclor 1232 [2C]									250	1.828151E-02		
Aroclor-1232 (1) [2C]									250	3.890243E-03		
Aroclor-1232 (2) [2C]									250	1.986677E-02		
Aroclor-1232 (3) [2C]									250	3.883859E-02		
Aroclor-1232 (4) [2C]									250	1.053044E-02		
Aroclor 1242 [2C]	250	3.919814E-02										
Aroclor-1242 (1) [2C]	250	3.385823E-02										
Aroclor-1242 (2) [2C]	250	7.187561E-02										
Aroclor-1242 (3) [2C]	250	2.318837E-02										
Aroclor-1242 (4) [2C]	250	2.787036E-02										
Aroclor 1248 [2C]			250	3.948755E-02								
Aroclor-1248 (1) [2C]			250	3.268192E-02								
Aroclor-1248 (2) [2C]			250	3.437347E-02								
Aroclor-1248 (3) [2C]			250	4.181202E-02								
Aroclor-1248 (4) [2C]			250	0.0490828								
Aroclor 1254 [2C]					250	6.380467E-02						
Aroclor-1254 (1) [2C]					250	5.157979E-02						
Aroclor-1254 (2) [2C]					250	4.146889E-02						
Aroclor-1254 (3) [2C]					250	8.913704E-02						
Aroclor-1254 (4) [2C]					250	0.092314						
Aroclor-1254 (5) [2C]					250	4.452362E-02						
Aroclor 1262 [2C]							250	6.566399E-02				
Aroclor-1262 (1) [2C]							250	6.082829E-02				
Aroclor-1262 (2) [2C]							250	5.268389E-02				

INITIAL CALIBRATION DATA
EPA 8082A

Laboratory:	Analytical Resources, LLC	SDG:	22L0307
Client:	Anchor QEA, LLC	Project:	AOC4 UR Phase 3
Calibration:	FL00010	Instrument:	ECD7
Calibration Date:	12/03/2022	Column (2):	ZB35

Compound	Level 07		Level 08		Level 09		Level 10		Level 11		Level 12	
	Conc	RRF	Conc	RRF	Conc	RRF	Conc	RRF	Conc	RRF	Conc	RRF
Aroclor-1262 (3) [2C]							250	5.811375E-02				
Aroclor-1262 (4) [2C]							250	9.103002E-02				
Aroclor 1268 [2C]									250	0.1941199		
Aroclor-1268 (1) [2C]									250	0.1510112		
Aroclor-1268 (2) [2C]									250	0.1548399		
Aroclor-1268 (3) [2C]									250	5.741847E-02		
Aroclor-1268 (4) [2C]									250	0.4132099		

INITIAL CALIBRATION DATA
EPA 8082A

Laboratory:	Analytical Resources, LLC	SDG:	22L0307
Client:	Anchor QEA, LLC	Project:	AOC4 UR Phase 3
Calibration:	FL00010	Instrument:	ECD7
Calibration Date:	12/03/2022	Column (2):	ZB35

COMPOUND	Mean RRF	RRF RSD	Linear COD	Quad COD	Limit Type & Limit	Q
Aroclor 1016 [2C]	4.673103E-02	7.3			RSD (20)	
Aroclor-1016 (1) [2C]	4.090297E-02	8.9			RSD (20)	
Aroclor-1016 (2) [2C]	8.821535E-02	6.9			RSD (20)	
Aroclor-1016 (3) [2C]	0.0378846	10.9			RSD (20)	
Aroclor-1016 (4) [2C]	1.992121E-02	3.9			RSD (20)	
Aroclor 1221 [2C]		0.0			RSD (20)	
Aroclor-1221 (1) [2C]		0.0			RSD (20)	
Aroclor-1221 (2) [2C]		0.0			RSD (20)	
Aroclor-1221 (3) [2C]		0.0			RSD (20)	
Aroclor 1232 [2C]		0.0			RSD (20)	
Aroclor-1232 (1) [2C]		0.0			RSD (20)	
Aroclor-1232 (2) [2C]		0.0			RSD (20)	
Aroclor-1232 (3) [2C]		0.0			RSD (20)	
Aroclor-1232 (4) [2C]		0.0			RSD (20)	
Aroclor 1242 [2C]		0.0			RSD (20)	
Aroclor-1242 (1) [2C]		0.0			RSD (20)	
Aroclor-1242 (2) [2C]		0.0			RSD (20)	
Aroclor-1242 (3) [2C]		0.0			RSD (20)	
Aroclor-1242 (4) [2C]		0.0			RSD (20)	
Aroclor 1248 [2C]		0.0			RSD (20)	
Aroclor-1248 (1) [2C]		0.0			RSD (20)	
Aroclor-1248 (2) [2C]		0.0			RSD (20)	
Aroclor-1248 (3) [2C]		0.0			RSD (20)	
Aroclor-1248 (4) [2C]		0.0			RSD (20)	
Aroclor 1254 [2C]		0.0			RSD (20)	
Aroclor-1254 (1) [2C]		0.0			RSD (20)	
Aroclor-1254 (2) [2C]		0.0			RSD (20)	
Aroclor-1254 (3) [2C]		0.0			RSD (20)	
Aroclor-1254 (4) [2C]		0.0			RSD (20)	
Aroclor-1254 (5) [2C]		0.0			RSD (20)	
Aroclor 1260 [2C]	6.176189E-02	6.4			RSD (20)	

INITIAL CALIBRATION DATA

EPA 8082A

Laboratory:	Analytical Resources, LLC	SDG:	22L0307
Client:	Anchor QEA, LLC	Project:	AOC4 UR Phase 3
Calibration:	FL00010	Instrument:	ECD7
Calibration Date:	12/03/2022	Column (2):	ZB35

COMPOUND	Mean RRF	RRF RSD	Linear COD	Quad COD	Limit Type & Limit	Q
Aroclor-1260 (1) [2C]	4.222833E-02	7.8			RSD (20)	
Aroclor-1260 (2) [2C]	0.1059643	6.9			RSD (20)	
Aroclor-1260 (3) [2C]	2.821732E-02	3.9			RSD (20)	
Aroclor-1260 (4) [2C]	7.063759E-02	6.3			RSD (20)	
Aroclor 1262 [2C]		0.0			RSD (20)	
Aroclor-1262 (1) [2C]		0.0			RSD (20)	
Aroclor-1262 (2) [2C]		0.0			RSD (20)	
Aroclor-1262 (3) [2C]		0.0			RSD (20)	
Aroclor-1262 (4) [2C]		0.0			RSD (20)	
Aroclor 1268 [2C]		0.0			RSD (20)	
Aroclor-1268 (1) [2C]		0.0			RSD (20)	
Aroclor-1268 (2) [2C]		0.0			RSD (20)	
Aroclor-1268 (3) [2C]		0.0			RSD (20)	
Aroclor-1268 (4) [2C]		0.0			RSD (20)	
Decachlorobiphenyl [2C]	1.135818	3.9			RSD (20)	
Tetrachlorometaxylene [2C]	1.096608	4.4			RSD (20)	

Printed: 12/6/2022 9:25:24AM

ANALYSIS SEQUENCE

SKL0048

Instrument: ECD7 Element Column ID:
Calibration ID: FL00010

Lab Number	Sample Name	Analysis	Container	Order	STD ID	ISTD ID	Analyzed	Comments
SKL0048-CAL1	0.25PPM AR1660	QC		1	K006954	K006953		
SKL0048-CAL2	0.02PPM AR1660	QC		2	K010070	K006953		
SKL0048-CAL3	0.05PPM AR1660	QC		3	K010069	K006953		
SKL0048-CAL4	1PPM AR1660	QC		4	K006741	K006953		
SKL0048-CAL5	0.1PPM AR1660	QC		5	K010068	K006953		
SKL0048-CAL6	0.5PPM AR1660	QC		6	K010067	K006953		
SKL0048-CAL7	0.25PPM AR1242	QC		7	K006955	K006953		
SKL0048-CAL8	0.25PPM AR1248	QC		8	K006956	K006953		
SKL0048-CAL9	0.25PPM AR1254	QC		9	K006957	K006953		
SKL0048-CALA	0.25PPM AR2162	QC		10	K010071	K006953		
SKL0048-CALB	0.25PPM AR3268	QC		11	K010072	K006953		
SKL0048-SCV1	AR1660SCV1	QC		12	K007655	K006953		
SKL0048-SCV2	AR1242SCV2	QC		13	K007656	K006953		
SKL0048-SCV3	AR1248SCV3	QC		14	K007657	K006953		
SKL0048-SCV4	AR1254SCV4	QC		15	K007658	K006953		
SKL0048-SCV5	AR2162SCV5	QC		16	K007659	K006953		
SKL0048-SCV6	AR3268SCV6	QC		17	K007660	K006953		

```
GC LOG SUMMARY FOR DATABATCH - \\target\share\chem4\ecd7.i\221203.b

    Inject Date/Time    Filename    DF  LabID         ClientID
-----------------------------------------------------------------
 1  03-DEC-2022 17:58  12032210ECD7.D   1  IB
 2  03-DEC-2022 18:19  12032211ECD7.D   1  0.25PPAR1660
 3  03-DEC-2022 18:40  12032212ECD7.D   1  0.02PPAR1660
 4  03-DEC-2022 19:01  12032213ECD7.D   1  0.05PPAR1660
 5  03-DEC-2022 19:23  12032214ECD7.D   1  1PPMAR1660
 6  03-DEC-2022 19:44  12032215ECD7.D   1  0.1PPMAR1660
 7  03-DEC-2022 20:05  12032216ECD7.D   1  0.5PPMAR1660
 8  03-DEC-2022 20:26  12032217ECD7.D   1  AR1242
 9  03-DEC-2022 20:48  12032218ECD7.D   1  AR1248
10  03-DEC-2022 21:09  12032219ECD7.D   1  AR1254
11  03-DEC-2022 21:30  12032220ECD7.D   1  AR2162
12  03-DEC-2022 21:52  12032221ECD7.D   1  AR3268
13  03-DEC-2022 22:13  12032222ECD7.D   1  AR1660SCV1
14  03-DEC-2022 22:34  12032223ECD7.D   1  AR1242SCV2
15  03-DEC-2022 22:55  12032224ECD7.D   1  AR1248SCV3
16  03-DEC-2022 23:17  12032225ECD7.D   1  AR1254SCV4
17  03-DEC-2022 23:38  12032226ECD7.D   1  AR2162SCV5
18  03-DEC-2022 23:59  12032227ECD7.D   1  AR3268SCV6
19  04-DEC-2022 00:20  12032228ECD7.D   1  0.1 PPM DDTS
20  04-DEC-2022 00:42  12032229ECD7.D   1  DDT BD
21  04-DEC-2022 01:03  12032230ECD7.D   1  AR1254ICV1
22  04-DEC-2022 01:24  12032231ECD7.D   1  AR1660ICV2
23  04-DEC-2022 01:46  12032232ECD7.D   1  BKK0834-BLK1
24  04-DEC-2022 02:07  12032233ECD7.D   1  BKK0834-BS1
25  04-DEC-2022 02:28  12032234ECD7.D   1  BKK0834-BSD1
26  04-DEC-2022 02:49  12032235ECD7.D   1  22K0523-01
27  04-DEC-2022 03:11  12032236ECD7.D   1  22K0525-01
28  04-DEC-2022 03:32  12032237ECD7.D   1  BKK0374-BLK1
29  04-DEC-2022 03:53  12032238ECD7.D   1  BKK0374-BS1
30  04-DEC-2022 04:15  12032239ECD7.D   1  BKK0374-BSD1
31  04-DEC-2022 04:36  12032240ECD7.D   1  22K0161-01
32  04-DEC-2022 04:57  12032241ECD7.D   1  AR1248CCV1
33  04-DEC-2022 05:18  12032242ECD7.D   1  AR1660CCV2
34  04-DEC-2022 05:40  12032243ECD7.D   1  BKL0017-BLK1
35  04-DEC-2022 06:01  12032244ECD7.D   1  BKL0017-BS1
36  04-DEC-2022 06:22  12032245ECD7.D   1  BKL0017-BSD1
37  04-DEC-2022 06:44  12032246ECD7.D   1  22J0139-01
38  04-DEC-2022 07:05  12032247ECD7.D   1  BKK0383-BLK1
39  04-DEC-2022 07:26  12032248ECD7.D   1  BKK0383-BS1
40  04-DEC-2022 07:47  12032249ECD7.D   1  BKK0383-BSD
41  04-DEC-2022 08:09  12032250ECD7.D   1  22K0075-01
42  04-DEC-2022 08:30  12032251ECD7.D   1  BKK00803-BLK1
43  04-DEC-2022 08:51  12032252ECD7.D   1  BKK00803-BS1
44  04-DEC-2022 09:13  12032253ECD7.D   1  BKK00803-BSD1
45  04-DEC-2022 09:34  12032254ECD7.D   1  22K0511-01
46  04-DEC-2022 09:55  12032255ECD7.D   1  AR1242CCV3
47  04-DEC-2022 10:17  12032256ECD7.D   1  AR1660CCV4
```

MANUAL INTEGRATION SUMMARY FOR DATABATCH - \\target\share\chem4\ecd7.i\221203.b

Instrument: ecd7.i   Date: 03-DEC-2022

```
Time  Filename          LabID             DF   Manually Integrated Compounds
------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------
1758  12032210ECD7.D   IB                 1    NO MANUAL INTEGRATION
------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------
1819  12032211ECD7.D   0.25PPAR1660       1    NO MANUAL INTEGRATION
------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------
1840  12032212ECD7.D   0.02PPAR1660       1    NO MANUAL INTEGRATION
------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------
1901  12032213ECD7.D   0.05PPAR1660       1    NO MANUAL INTEGRATION
------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------
1923  12032214ECD7.D   1PPMAR1660         1    NO MANUAL INTEGRATION
------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------
1944  12032215ECD7.D   0.1PPMAR1660       1    NO MANUAL INTEGRATION
------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------
2005  12032216ECD7.D   0.5PPMAR1660       1    NO MANUAL INTEGRATION
------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------
2026  12032217ECD7.D   AR1242             1 Aroclor-1242,
------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------
2048  12032218ECD7.D   AR1248             1    NO MANUAL INTEGRATION
------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------
2109  12032219ECD7.D   AR1254             1    NO MANUAL INTEGRATION
------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------
2130  12032220ECD7.D   AR2162             1    NO MANUAL INTEGRATION
------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------
2152  12032221ECD7.D   AR3268             1    NO MANUAL INTEGRATION
------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------
2213  12032222ECD7.D   AR1660SCV1         1    NO MANUAL INTEGRATION
------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------
2234  12032223ECD7.D   AR1242SCV2         1    NO MANUAL INTEGRATION
------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------
2255  12032224ECD7.D   AR1248SCV3         1    NO MANUAL INTEGRATION
------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------
2317  12032225ECD7.D   AR1254SCV4         1    NO MANUAL INTEGRATION
------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------
2338  12032226ECD7.D   AR2162SCV5         1    NO MANUAL INTEGRATION
------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------
```

Instrument: ecd7.i Date: 03-DEC-2022

```
Time  Filename          LabID            DF   Manually Integrated Compounds
--------------------------------------------------------------------------------------------------------------------------------------------------------------------------
2359  12032227ECD7.D   AR3268SCV6        1    NO MANUAL INTEGRATION
--------------------------------------------------------------------------------------------------------------------------------------------------------------------------
```

```
                               Analytical Resources Inc.
                          Dual Column 608/8082 PCB Quantitation Report

Data file 1: /221203.b/12032210ECD7.D                        ARI ID: IB
Data file 2: /221203.b/221203.b/12032210ECD7.D               Client ID:
Method: \\target\share\chem4\ecd7.i\221203.b\PCB.m           Injection Date: 03-DEC-2022 17:58
Compound Sublist: PCB.sub                                    Report Date: 12/05/2022 13:27
Instrument, Inj. Vol.: ecd7.i, 2ul                           Matrix: NONE
Quant Method: Internal Std                                   Dilution Factor:  1.0



                                  SURROGATES

       ZB5 Col          |       ZB35 Col         |   ZB5    ZB35
  RT    Shift Response | RT    Shift  Response  |  on col  on col    RPD   Compound/Flag
=========================================================================================

 5.836 -0.001   239778 | 5.713  -0.000   128576|   38.5    38.5      0.1    Tetrachloro-m-xylene
13.907 -0.001   273387 |14.135  -0.002   193829|   39.5    39.9      1.0    Decachlorobiphenyl


*  Indicates RPD > 40%



                             INTERNAL STANDARD SUMMARY

                                         Column 1
                                  Standard    Sample
                  Standard Cpnd     Area*       Area      %D
               --------------------------------------------------
                 Bromo-Nitrobenzene    447645      439478   -1.8
                 Hexabromobiphenyl     798898      755658   -5.4

                                         Column 2
                                  Standard    Sample
                  Standard Cpnd     Area*       Area      %D
               --------------------------------------------------
                 Bromo-Nitrobenzene    249094     243327    -2.3
                 Hexabromobiphenyl     362541     342503    -5.5


                * Standard Areas taken from Initial Cal Level 3
                  Initial Calibration Date: 03-DEC-2022
               <- Indicates standard response outside Limits (-50 to +100%)
```

```
                              ZB5 Col                              ZB35 Col
 Aroclor   Peak#    RT    Shift    Area    Amount    Peak#   RT     Shift    Area   Amount
 ===================================================================================
 Aroclor-1016 1      ---                     0.0      1     ---                     0.0
 Aroclor-1016 2      ---                     0.0      2     ---                     0.0
 Aroclor-1016 3      ---                     0.0      3     ---                     0.0
 Aroclor-1016 4      ---                     0.0      4     ---                     0.0
            Col1Ave: <3 Quant Peaks                   Col2Ave: <3 Quant Peaks

 Aroclor-1221 1      ---                     0.0      1     ---                     0.0
 Aroclor-1221 2      ---                     0.0      2     ---                     0.0
 Aroclor-1221 3      ---                     0.0      3     ---                     0.0
            Col1Ave: <3 Quant Peaks                   Col2Ave: <3 Quant Peaks

 Aroclor-1232 1      ---                     0.0      1     ---                     0.0
 Aroclor-1232 2      ---                     0.0      2     ---                     0.0
 Aroclor-1232 3      ---                     0.0      3     ---                     0.0
 Aroclor-1232 4      ---                     0.0      4     ---                     0.0
            Col1Ave: <3 Quant Peaks                   Col2Ave: <3 Quant Peaks

 Aroclor-1242 1      ---                     0.0      1     ---                     0.0
 Aroclor-1242 2      ---                     0.0      2     ---                     0.0
 Aroclor-1242 3      ---                     0.0      3     ---                     0.0
 Aroclor-1242 4      ---                     0.0      4     ---                     0.0
            Col1Ave: <3 Quant Peaks                   Col2Ave: <3 Quant Peaks

 Aroclor-1248 1      ---                     0.0      1     ---                     0.0
 Aroclor-1248 2      ---                     0.0      2     ---                     0.0
 Aroclor-1248 3      ---                     0.0      3     ---                     0.0
 Aroclor-1248 4      ---                     0.0      4     ---                     0.0
            Col1Ave: <3 Quant Peaks                   Col2Ave: <3 Quant Peaks

 Aroclor-1254 1      ---                     0.0      1     ---                     0.0
 Aroclor-1254 2      ---                     0.0      2     ---                     0.0
 Aroclor-1254 3      ---                     0.0      3     ---                     0.0
 Aroclor-1254 4      ---                     0.0      4     ---                     0.0
 Aroclor-1254 5      ---                     0.0      5     ---                     0.0
            Col1Ave: <3 Quant Peaks                   Col2Ave: <3 Quant Peaks

 Aroclor-1260 1      ---                     0.0      1     ---                     0.0
 Aroclor-1260 2      ---                     0.0      2     ---                     0.0
 Aroclor-1260 3      ---                     0.0      3     ---                     0.0
 Aroclor-1260 4      ---                     0.0      4     ---                     0.0
 Aroclor-1260 5      ---                     0.0      NS    ---                    ----
            Col1Ave: <3 Quant Peaks                   Col2Ave: <3 Quant Peaks

 Aroclor-1262 1      ---                     0.0      1     ---                     0.0
 Aroclor-1262 2      ---                     0.0      2     ---                     0.0
 Aroclor-1262 3      ---                     0.0      3     ---                     0.0
 Aroclor-1262 4      ---                     0.0      4     ---                     0.0
            Col1Ave: <3 Quant Peaks                   Col2Ave: <3 Quant Peaks

 Aroclor-1268 1      ---                     0.0      1     ---                     0.0
 Aroclor-1268 2      ---                     0.0      2     ---                     0.0
 Aroclor-1268 3      ---                     0.0      3     ---                     0.0
 Aroclor-1268 4      ---                     0.0      4     ---                     0.0
            Col1Ave: <3 Quant Peaks                   Col2Ave: <3 Quant Peaks




 Total PCB Area Col1 (5.936 - 13.808) =      14711     Col1 Total PCB = 0.0 ppm*
```

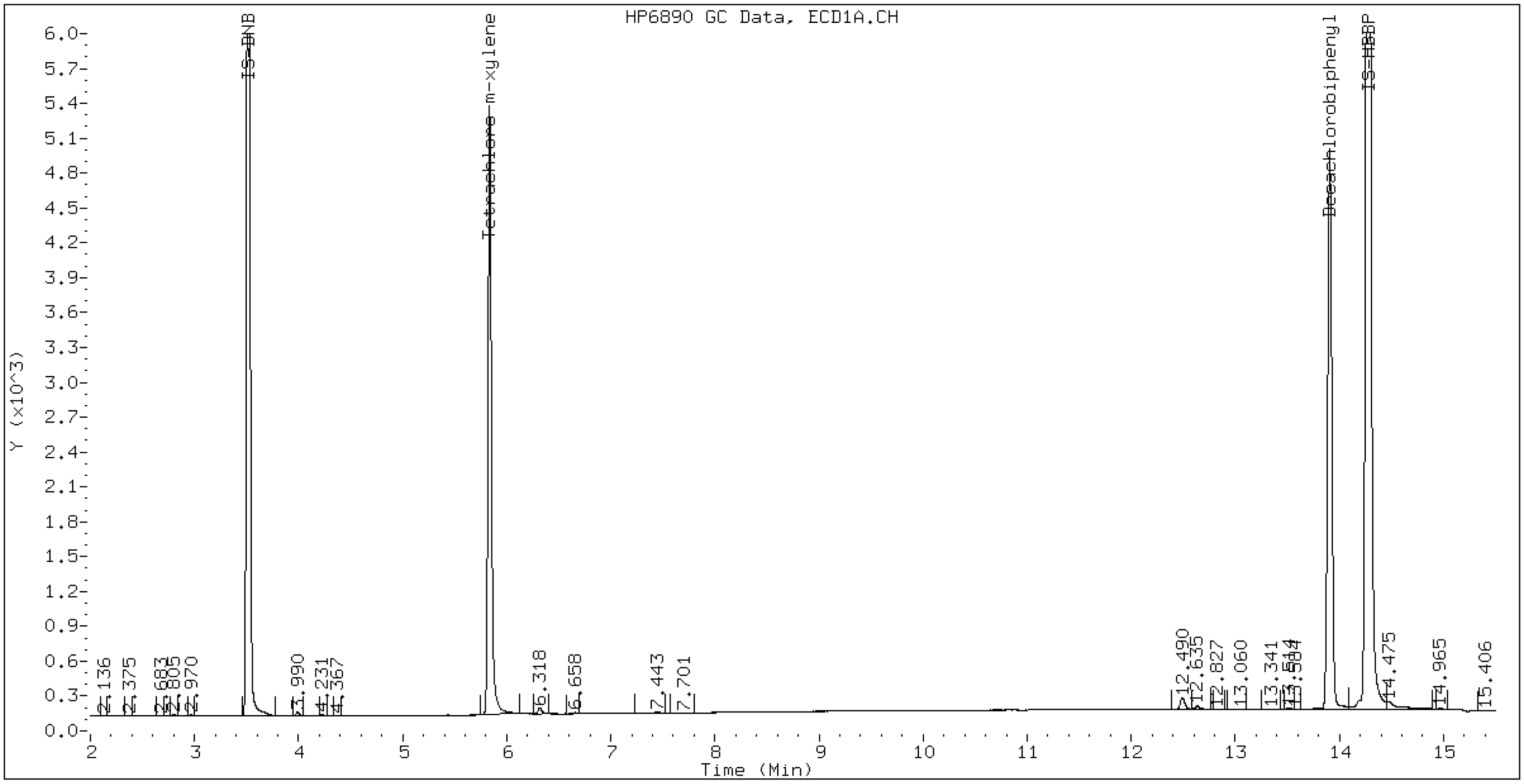
```
Total PCB Area Col2 (5.936 - 13.808) =       6305     Col2 Total PCB = 0.0 ppm*

  *  Quantitated against AR1660 0.25ppm in Ical

                                    PCB-Form 10 Mod.
```

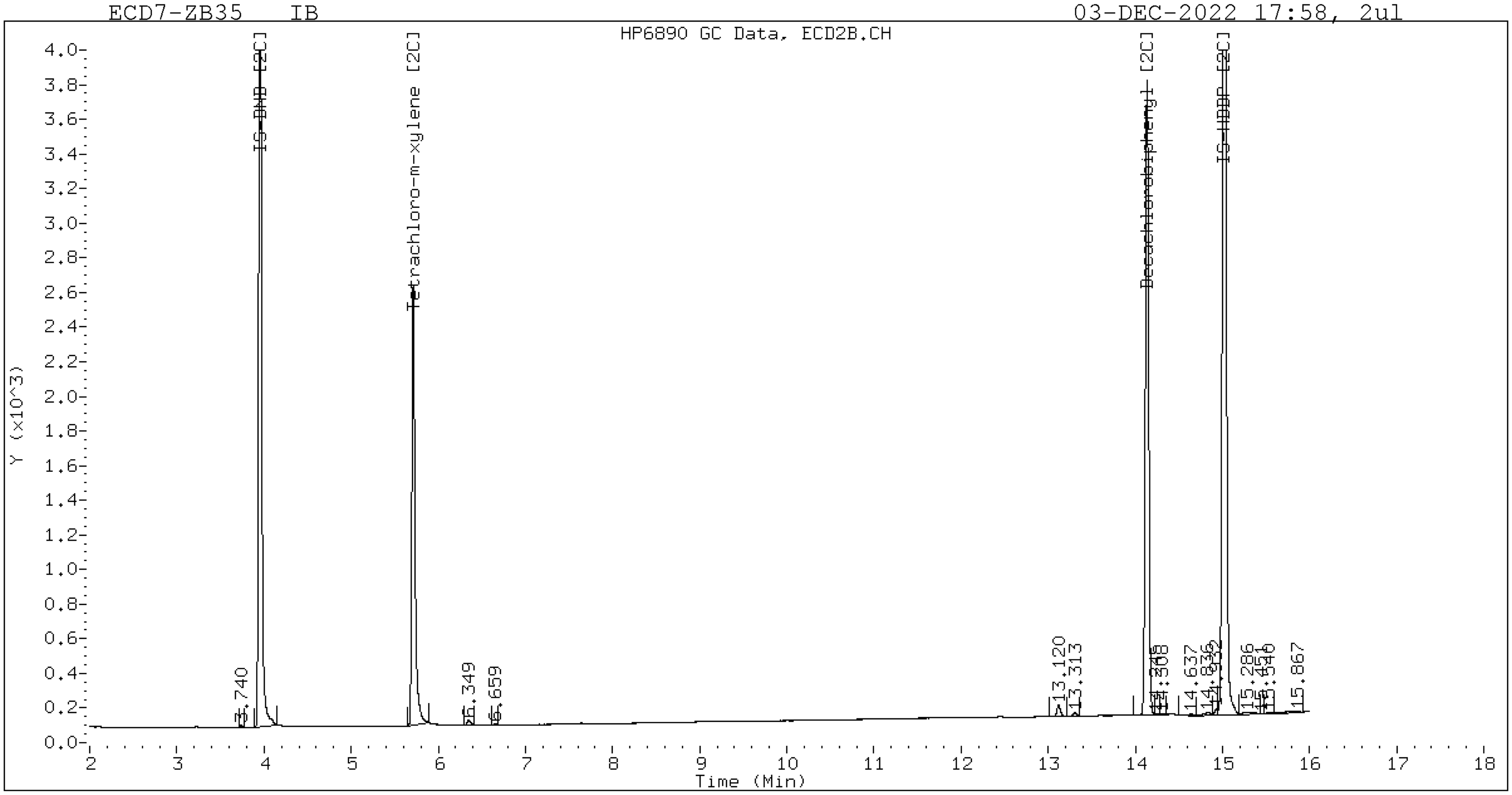
PCB Dual Column Chromatograms

ECD7-ZB5 IB 03-DEC-2022 17:58, 2ul



ZB-5 Manual Integration: NO

ECD7-ZB35 IB 03-DEC-2022 17:58, 2ul



ZB-35 Manual Integration: NO

```
                                 Analytical Resources Inc.
                            Dual Column 608/8082 PCB Quantitation Report

 Data file 1: /221203.b/12032211ECD7.D                       ARI ID: 0.25PPAR1660
 Data file 2: /221203.b/221203.b/12032211ECD7.D              Client ID:
 Method: \\target\share\chem4\ecd7.i\221203.b\PCB.m          Injection Date: 03-DEC-2022 18:19
 Compound Sublist: AR1660.sub                                   Report Date: 12/05/2022 13:28
 Instrument, Inj. Vol.: ecd7.i, 2ul                          Matrix: NONE
 Quant Method: Internal Std                                  Dilution Factor:  1.0



                                    SURROGATES

        ZB5 Col          |        ZB35 Col          |   ZB5    ZB35
   RT    Shift Response  | RT    Shift  Response   |  on col  on col    RPD   Compound/Flag
 ==========================================================================================

  5.836 -0.000   255851 | 5.713  -0.000   137407|   40.3    40.2      0.2    Tetrachloro-m-xylene
 13.908 -0.001   282218 |14.135  -0.001   204430|   38.5    39.7      3.0    Decachlorobiphenyl


*  Indicates RPD > 40%




                               INTERNAL STANDARD SUMMARY

                                           Column 1
                                    Standard    Sample
                  Standard Cpnd       Area*       Area      %D
               --------------------------------------------------
                 Bromo-Nitrobenzene    447645      447645    0.0
                 Hexabromobiphenyl     798898      798898    0.0

                                           Column 2
                                    Standard    Sample
                  Standard Cpnd       Area*       Area      %D
               --------------------------------------------------
                 Bromo-Nitrobenzene    249094     249094     0.0
                 Hexabromobiphenyl     362541     362541     0.0


                * Standard Areas taken from Initial Cal Level 3
                  Initial Calibration Date: 03-DEC-2022
               <- Indicates standard response outside Limits (-50 to +100%)
```

```
                               ZB5 Col                                 ZB35 Col
 Aroclor    Peak#    RT    Shift    Area    Amount    Peak#   RT     Shift    Area   Amount
 ========================================================================================
 Aroclor-1016 1   7.293   0.001     37624   252.0      1    7.277   0.002    31793   249.6
 Aroclor-1016 2   7.679   0.005    121929   252.9      2    7.873   0.002    68340   248.8
 Aroclor-1016 3   7.813   0.003     53937   246.9      3    8.072   0.002    28420   240.9
 Aroclor-1016 4   8.426   0.002     35116   252.1      4    8.243   0.002    15828   255.2
       Total Col1Ave (4 peaks):   251.0       Total Col2Ave (4 peaks):   248.6   RPD = 1
       Corrected Ave (3 peaks):   250.3       Corrected Ave (3 peaks):   246.5   RPD = 2

                    CalAmt %D:     0.4                    CalAmt %D:    -0.5

 Aroclor-1260 1  11.062   0.001     73858   254.0      1   11.670   0.001    47881   250.2
 Aroclor-1260 2  11.378   0.000     76426   254.1      2   11.933   0.000   122823   255.8
 Aroclor-1260 3  11.752   0.002    198339   251.0      3   12.452   0.001    31682   247.8
 Aroclor-1260 4  12.156   0.002    101327   251.8      4   12.518   0.001    79568   248.6
 Aroclor-1260 5  12.262   0.002     41048   249.2      NS    ---                      ----
       Total Col1Ave (5 peaks):   252.0       Total Col2Ave (4 peaks):   250.6   RPD = 1
       Corrected Ave (4 peaks):   251.5       Corrected Ave (3 peaks):   248.8   RPD = 1

                    CalAmt %D:     0.8                    CalAmt %D:     0.2




 Total PCB Area Col1 (5.936 - 13.808) =    2139467     Col1 Total PCB = 0.4 ppm*

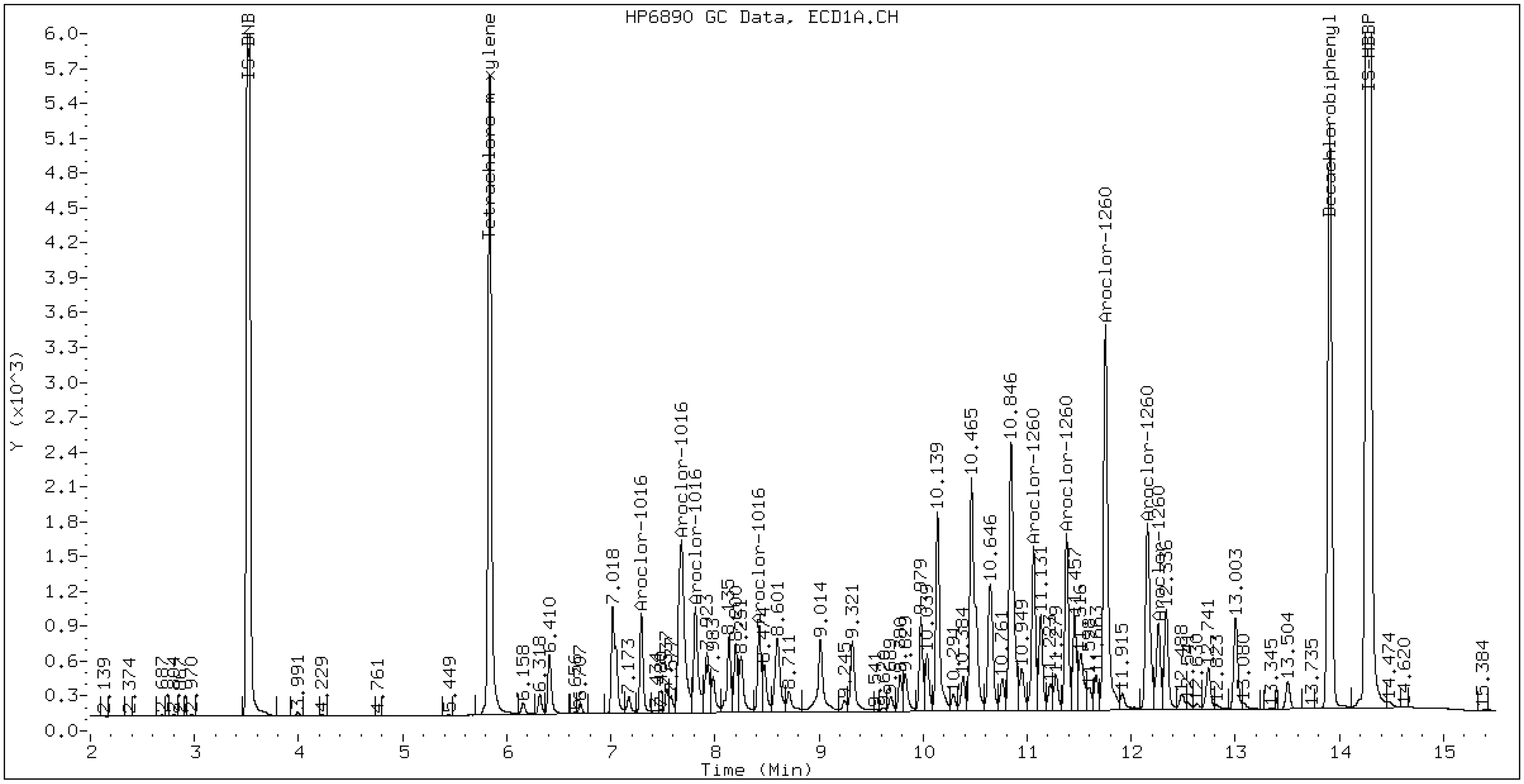
 Total PCB Area Col2 (5.936 - 13.808) =    1168134     Col2 Total PCB = 0.7 ppm*


   *  Quantitated against AR1660 0.25ppm in Ical


                                    PCB-Form 10 Mod.
```

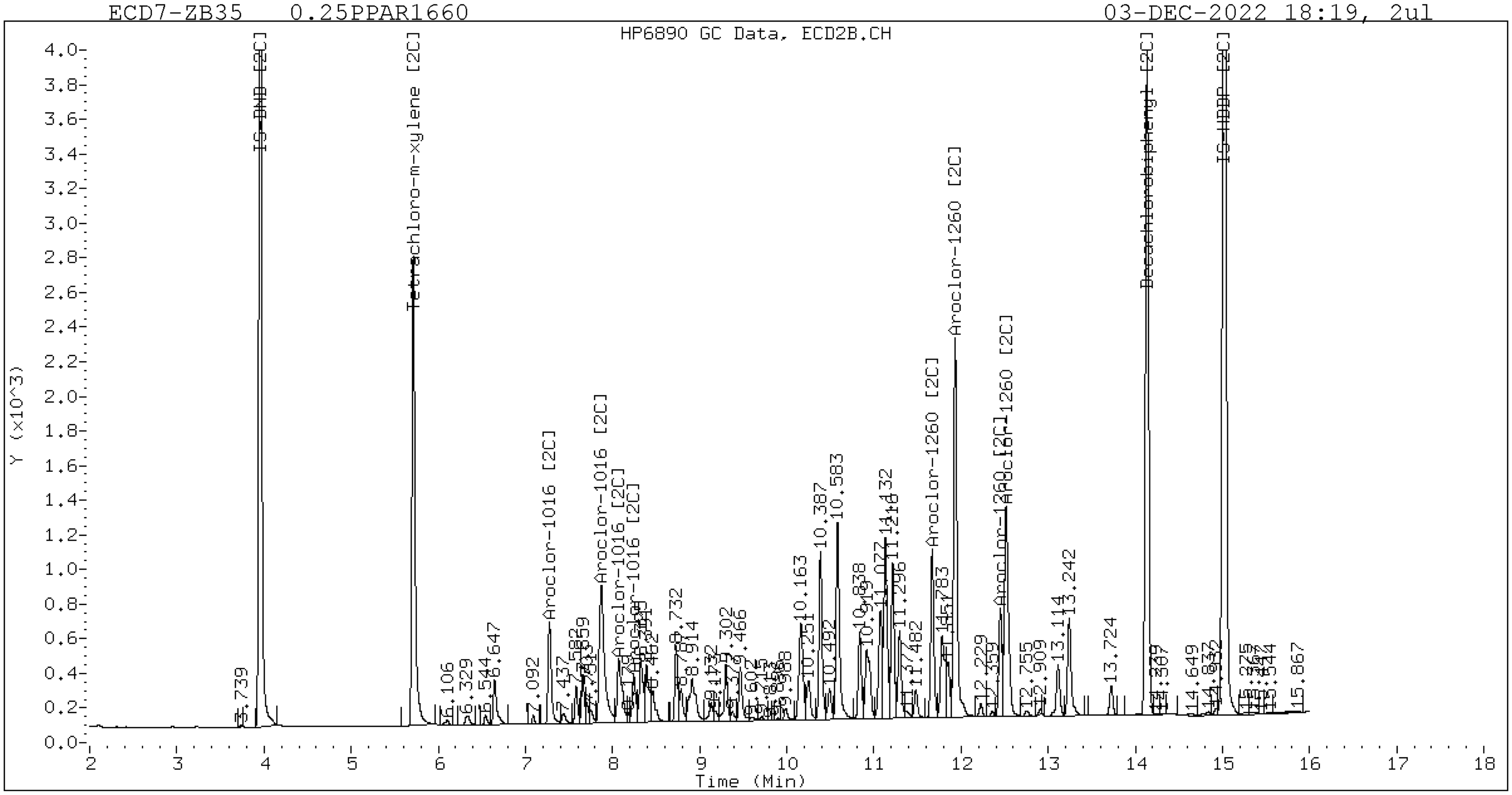
PCB Dual Column Chromatograms

ECD7-ZB5 0.25PPAR1660 03-DEC-2022 18:19, 2ul



ZB-5 Manual Integration: NO

ECD7-ZB35 0.25PPAR1660 03-DEC-2022 18:19, 2ul



ZB-35 Manual Integration: NO

```
                              Analytical Resources Inc.
                         Dual Column 608/8082 PCB Quantitation Report

 Data file 1: /221203.b/12032212ECD7.D                  ARI ID: 0.02PPAR1660
 Data file 2: /221203.b/221203.b/12032212ECD7.D         Client ID:
 Method: \\target\share\chem4\ecd7.i\221203.b\PCB.m      Injection Date: 03-DEC-2022 18:40
 Compound Sublist: AR1660.sub                              Report Date: 12/05/2022 13:28
 Instrument, Inj. Vol.: ecd7.i, 2ul                     Matrix: NONE
 Quant Method: Internal Std                             Dilution Factor:  1.0



                                 SURROGATES

        ZB5 Col         |       ZB35 Col         |   ZB5    ZB35
   RT    Shift Response | RT    Shift  Response  |  on col  on col    RPD   Compound/Flag
 ===========================================================================================

  5.836 -0.001    21148 | 5.713  -0.000    11703|    3.3     3.4      2.8    Tetrachloro-m-xylene
 13.907 -0.002    27903 |14.135  -0.002    17860|    3.7     3.4      7.7    Decachlorobiphenyl


*  Indicates RPD > 40%




                            INTERNAL STANDARD SUMMARY

                                        Column 1
                                 Standard    Sample
                  Standard Cpnd     Area*       Area      %D
               --------------------------------------------------
                 Bromo-Nitrobenzene    447645      456831    2.1
                 Hexabromobiphenyl     798898      833597    4.3

                                        Column 2
                                 Standard    Sample
                  Standard Cpnd     Area*       Area      %D
               --------------------------------------------------
                 Bromo-Nitrobenzene    249094     254070     2.0
                 Hexabromobiphenyl     362541     372232     2.7


                * Standard Areas taken from Initial Cal Level 3
                  Initial Calibration Date: 03-DEC-2022
               <- Indicates standard response outside Limits (-50 to +100%)
```

```
                            ZB5 Col                                ZB35 Col
 Aroclor    Peak#    RT    Shift    Area    Amount    Peak#   RT     Shift    Area   Amount
 =========================================================================================
 Aroclor-1016 1   7.294   0.002      3234    21.2      1    7.276   0.001     2808    21.6
 Aroclor-1016 2   7.687   0.013     10166    20.7      2    7.879   0.009     5797    20.7
 Aroclor-1016 3   7.819   0.009      4988    22.4      3    8.077   0.007     2653    22.1
 Aroclor-1016 4   8.430   0.006      2807    19.7      4    8.249   0.008     1173    18.5
       Total Col1Ave (4 peaks):    21.0       Total Col2Ave (4 peaks):    20.7   RPD = 1
       Corrected Ave (3 peaks):    20.5       Corrected Ave (3 peaks):    20.3   RPD = 1

                     CalAmt %D:     5.0                    CalAmt %D:     3.6

 Aroclor-1260 1  11.066   0.004      6255    20.6      1   11.672   0.003     4216    21.5
 Aroclor-1260 2  11.382   0.004      6329    20.2      2   11.937   0.005    10262    20.8
 Aroclor-1260 3  11.758   0.008     16621    20.2      3   12.453   0.002     2734    20.8
 Aroclor-1260 4  12.162   0.008      8146    19.4      4   12.521   0.004     6997    21.3
 Aroclor-1260 5  12.264   0.004      3406    19.8      NS    ---                      ----
       Total Col1Ave (5 peaks):    20.0       Total Col2Ave (4 peaks):    21.1   RPD = 5
       Corrected Ave (4 peaks):    19.9       Corrected Ave (3 peaks):    21.0   RPD = 5

                     CalAmt %D:     0.2                    CalAmt %D:     5.5




 Total PCB Area Col1 (5.936 - 13.808) =     188011     Col1 Total PCB = 0.0 ppm*

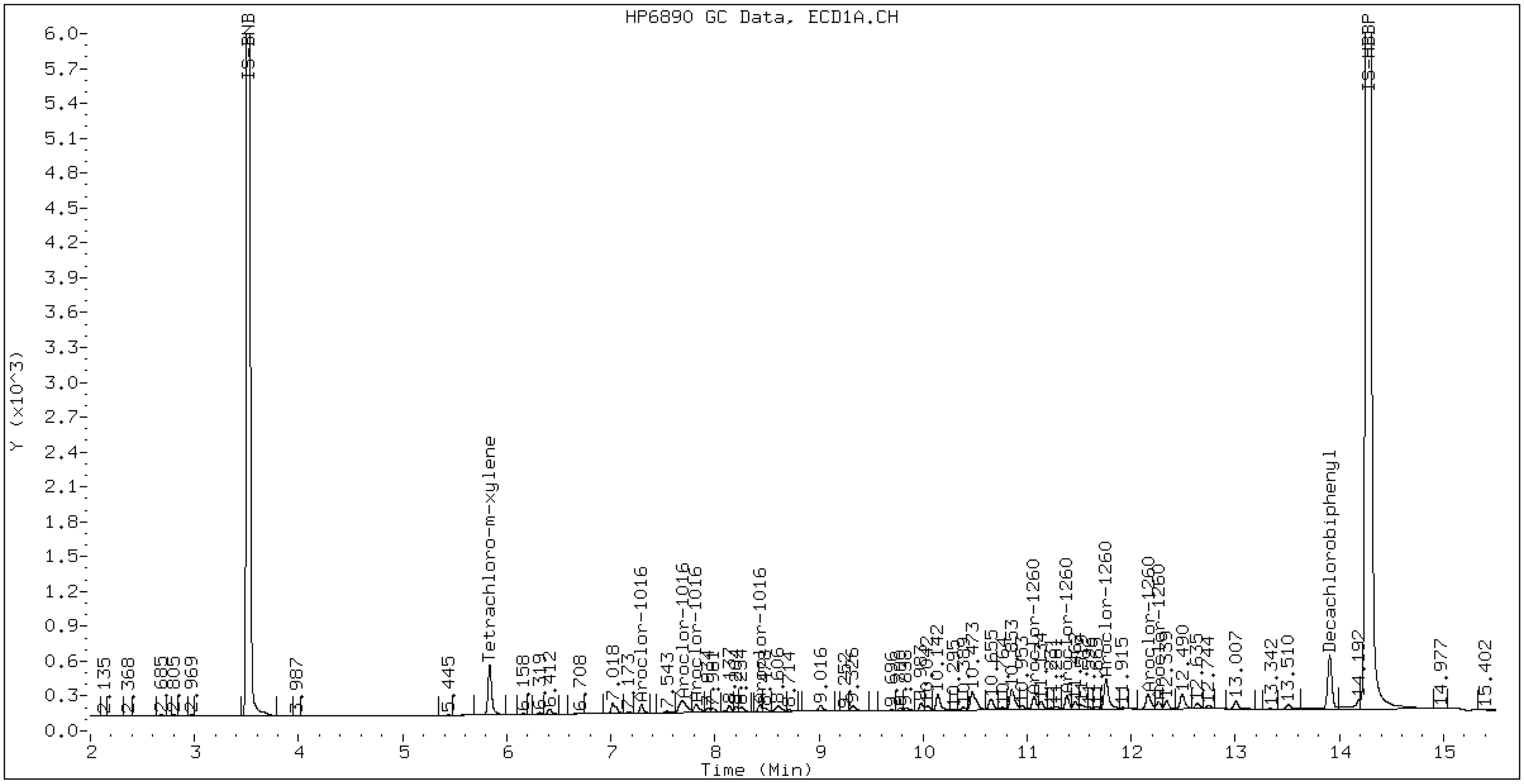
 Total PCB Area Col2 (5.936 - 13.808) =     100527     Col2 Total PCB = 0.1 ppm*


   *  Quantitated against AR1660 0.25ppm in Ical


                                        PCB-Form 10 Mod.
```

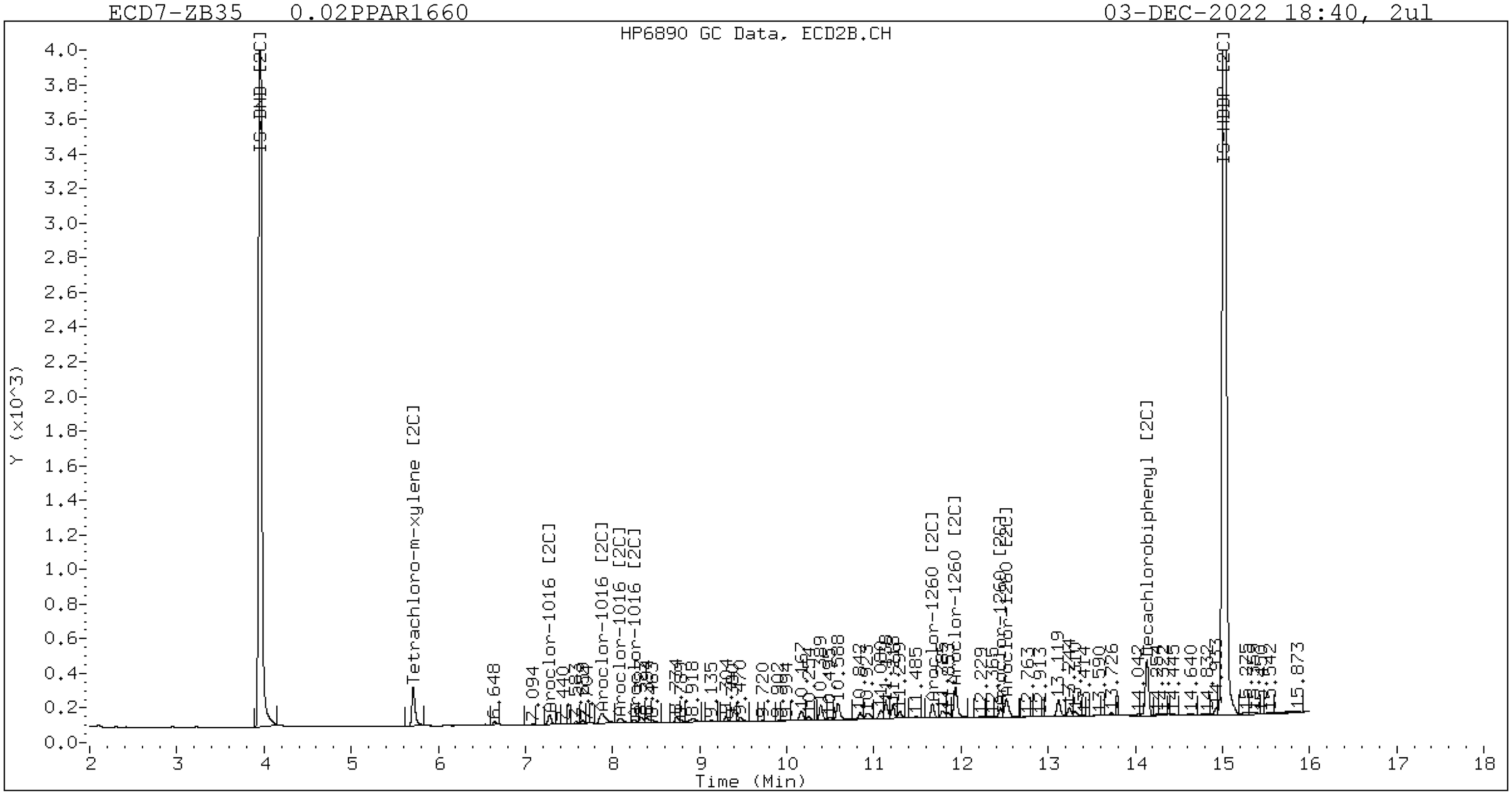
PCB Dual Column Chromatograms

ECD7-ZB5 0.02PPAR1660 03-DEC-2022 18:40, 2ul



ZB-5 Manual Integration: NO

ECD7-ZB35 0.02PPAR1660 03-DEC-2022 18:40, 2ul



ZB-35 Manual Integration: NO

```
                                 Analytical Resources Inc.
                           Dual Column 608/8082 PCB Quantitation Report

 Data file 1: /221203.b/12032213ECD7.D                       ARI ID: 0.05PPAR1660
 Data file 2: /221203.b/221203.b/12032213ECD7.D              Client ID:
 Method: \\target\share\chem4\ecd7.i\221203.b\PCB.m          Injection Date: 03-DEC-2022 19:01
 Compound Sublist: AR1660.sub                                   Report Date: 12/05/2022 13:28
 Instrument, Inj. Vol.: ecd7.i, 2ul                          Matrix: NONE
 Quant Method: Internal Std                                  Dilution Factor:  1.0



                                    SURROGATES

        ZB5 Col         |        ZB35 Col         |   ZB5    ZB35
   RT    Shift Response | RT    Shift  Response   |  on col  on col    RPD   Compound/Flag
 ==========================================================================================

  5.836 -0.000    51078 | 5.713  -0.000    27008|    8.0     7.8      1.5    Tetrachloro-m-xylene
 13.907 -0.001    63325 |14.137  -0.000    42829|    8.2     8.0      3.0    Decachlorobiphenyl


*  Indicates RPD > 40%




                                INTERNAL STANDARD SUMMARY

                                            Column 1
                                     Standard    Sample
                   Standard Cpnd       Area*       Area      %D
               --------------------------------------------------
                 Bromo-Nitrobenzene    447645      453269    1.3
                 Hexabromobiphenyl     798898      840633    5.2

                                            Column 2
                                     Standard    Sample
                   Standard Cpnd       Area*       Area      %D
               --------------------------------------------------
                 Bromo-Nitrobenzene    249094     251466     1.0
                 Hexabromobiphenyl     362541     378380     4.4


                * Standard Areas taken from Initial Cal Level 3
                  Initial Calibration Date: 03-DEC-2022
               <- Indicates standard response outside Limits (-50 to +100%)
```

```
//target/share/chem4/ecd7.i/221203.b/12032213ECD7.D      0.05PPAR1660                       page 2
                             ZB5 Col                          ZB35 Col
 Aroclor   Peak#    RT    Shift    Area    Amount    Peak#   RT     Shift    Area   Amount
 ========================================================================================
 Aroclor-1016 1   7.294   0.002      7743    51.2      1    7.277   0.002     6704    52.1
 Aroclor-1016 2   7.686   0.012     24543    50.3      2    7.879   0.008    14768    53.3
 Aroclor-1016 3   7.818   0.008     12052    54.5      3    8.078   0.007     6672    56.0
 Aroclor-1016 4   8.429   0.005      7291    51.7      4    8.249   0.007     3185    50.9
       Total Col1Ave (4 peaks):    51.9       Total Col2Ave (4 peaks):    53.1   RPD = 2
       Corrected Ave (3 peaks):    51.1       Corrected Ave (3 peaks):    52.1   RPD = 2

                     CalAmt %D:     3.8                   CalAmt %D:     6.1

 Aroclor-1260 1  11.066   0.004     15578    50.9      1   11.673   0.003    10647    53.3
 Aroclor-1260 2  11.382   0.005     16010    50.6      2   11.937   0.004    25845    51.6
 Aroclor-1260 3  11.757   0.007     42278    50.8      3   12.454   0.002     6703    50.2
 Aroclor-1260 4  12.160   0.006     20971    49.5      4   12.520   0.004    17174    51.4
 Aroclor-1260 5  12.263   0.004      8785    50.7      NS    ---                       ----
       Total Col1Ave (5 peaks):    50.5       Total Col2Ave (4 peaks):    51.6   RPD = 2
       Corrected Ave (4 peaks):    50.4       Corrected Ave (3 peaks):    51.1   RPD = 1

                     CalAmt %D:     1.0                   CalAmt %D:     3.3




 Total PCB Area Col1 (5.936 - 13.808) =     457627     Col1 Total PCB = 0.1 ppm*

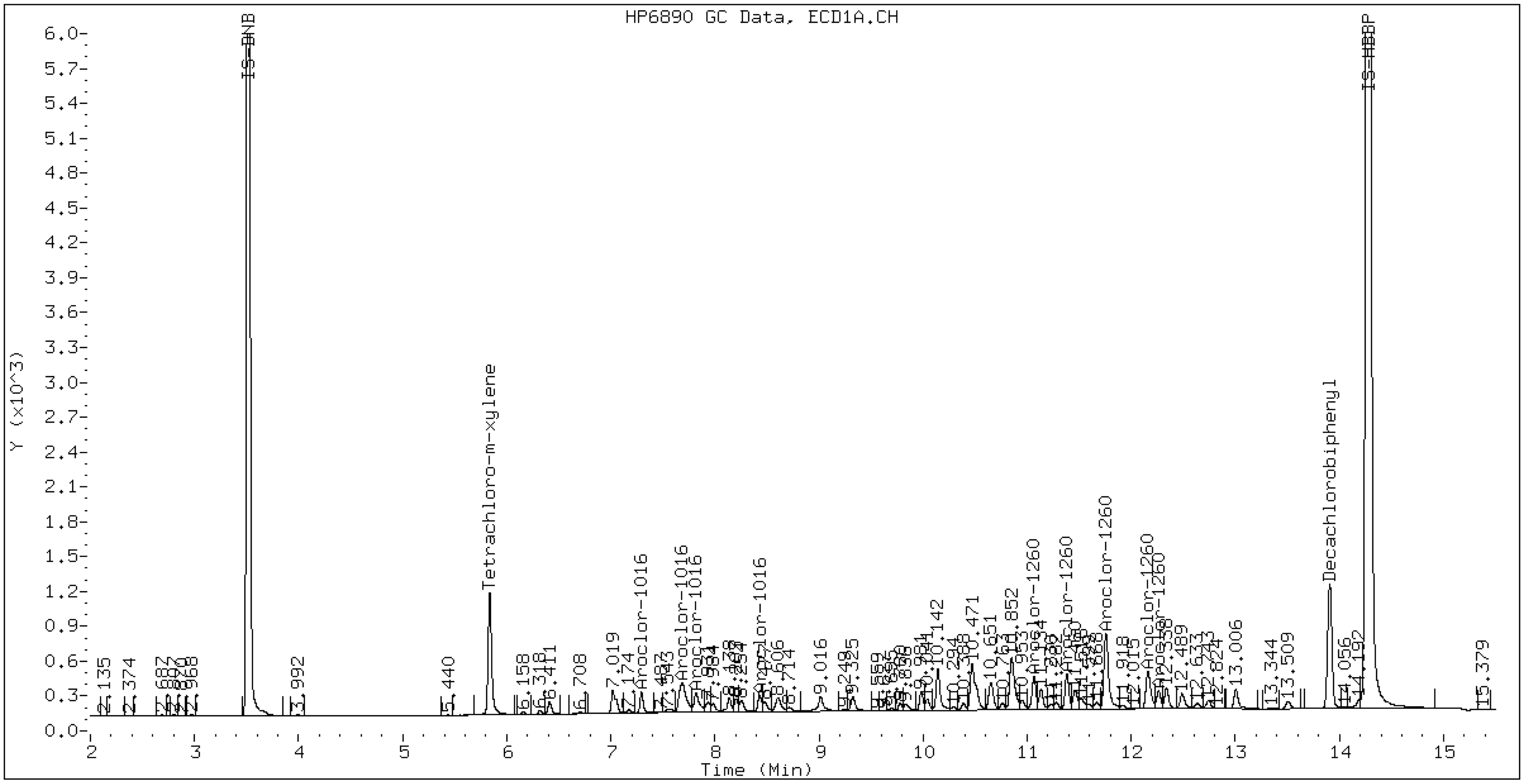
 Total PCB Area Col2 (5.936 - 13.808) =     253240     Col2 Total PCB = 0.1 ppm*


   *  Quantitated against AR1660 0.25ppm in Ical


                                     PCB-Form 10 Mod.
```

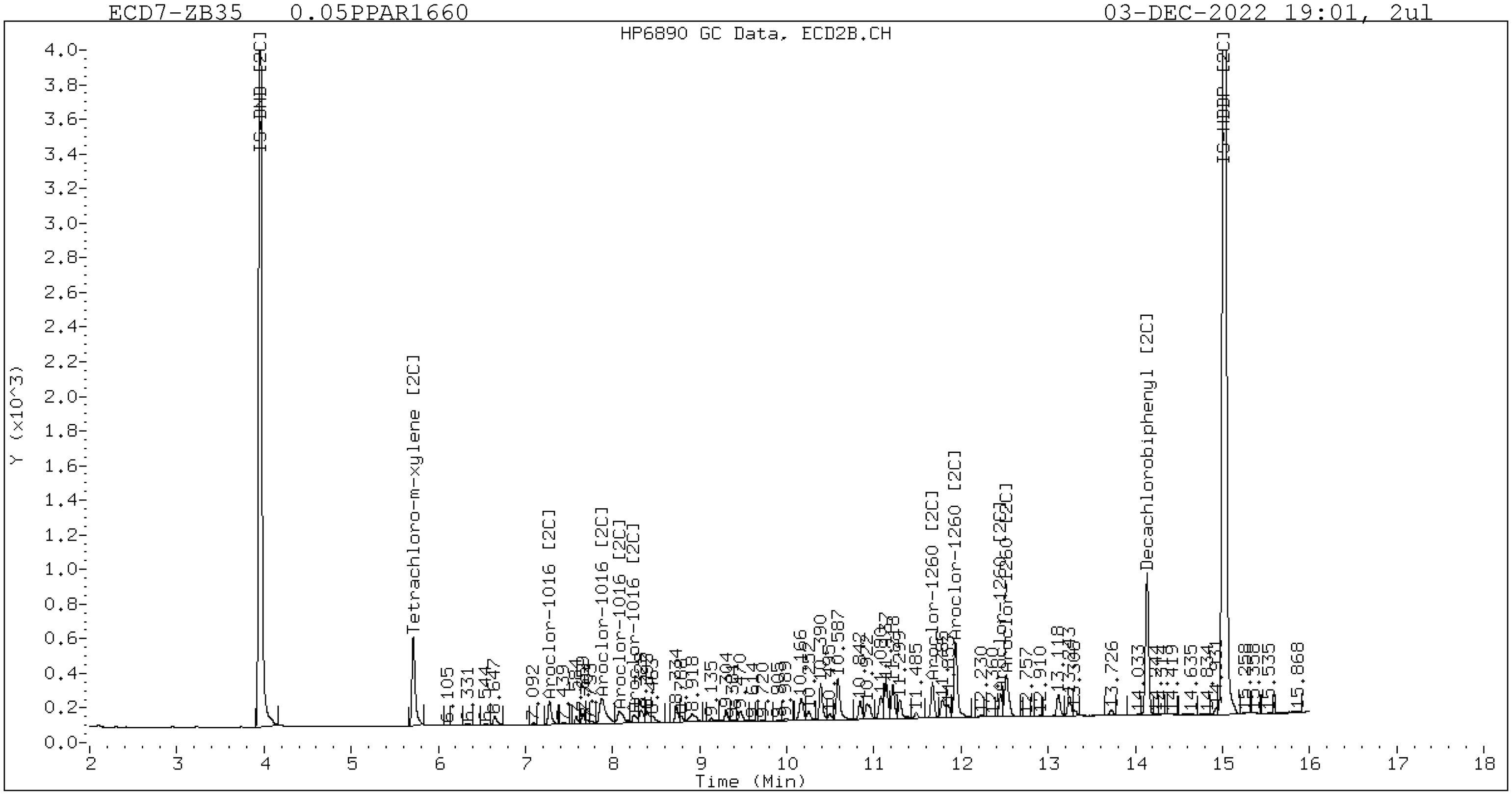
PCB Dual Column Chromatograms

ECD7-ZB5 0.05PPAR1660 03-DEC-2022 19:01, 2ul



ZB-5 Manual Integration: NO

ECD7-ZB35 0.05PPAR1660 03-DEC-2022 19:01, 2ul



ZB-35 Manual Integration: NO

```
                                 Analytical Resources Inc.
                            Dual Column 608/8082 PCB Quantitation Report

 Data file 1: /221203.b/12032214ECD7.D                        ARI ID: 1PPMAR1660
 Data file 2: /221203.b/221203.b/12032214ECD7.D               Client ID:
 Method: \\target\share\chem4\ecd7.i\221203.b\PCB.m           Injection Date: 03-DEC-2022 19:23
 Compound Sublist: AR1660.sub                                    Report Date: 12/05/2022 13:28
 Instrument, Inj. Vol.: ecd7.i, 2ul                           Matrix: NONE
 Quant Method: Internal Std                                   Dilution Factor:  1.0



                                    SURROGATES

        ZB5 Col          |        ZB35 Col         |   ZB5    ZB35
   RT    Shift Response | RT    Shift  Response  |  on col  on col    RPD   Compound/Flag
 ==========================================================================================

  5.836 -0.001  1010529 | 5.712  -0.002   531708|  152.6   150.7      1.3    Tetrachloro-m-xylene
 13.908 -0.001  1103073 |14.137  -0.000   836962|  144.8   153.1      5.6    Decachlorobiphenyl


*  Indicates RPD > 40%




                               INTERNAL STANDARD SUMMARY

                                            Column 1
                                    Standard    Sample
                  Standard Cpnd       Area*       Area      %D
                --------------------------------------------------
                  Bromo-Nitrobenzene    447645      467179    4.4
                  Hexabromobiphenyl     798898      830915    4.0

                                            Column 2
                                    Standard    Sample
                  Standard Cpnd       Area*       Area      %D
                --------------------------------------------------
                  Bromo-Nitrobenzene    249094     257438     3.3
                  Hexabromobiphenyl     362541     385067     6.2


                 * Standard Areas taken from Initial Cal Level 3
                   Initial Calibration Date: 03-DEC-2022
                <- Indicates standard response outside Limits (-50 to +100%)
```

```
//target/share/chem4/ecd7.i/221203.b/12032214ECD7.D      1PPMAR1660                    page 2
                            ZB5 Col                                ZB35 Col
 Aroclor   Peak#    RT    Shift    Area    Amount    Peak#   RT     Shift    Area   Amount
 =========================================================================================
 Aroclor-1016 1   7.291  -0.001    135017   866.4      1    7.276   0.001   112973   858.3
 Aroclor-1016 2   7.671  -0.003    458351   911.0      2    7.869  -0.001   252319   888.8
 Aroclor-1016 3   7.807  -0.003    183320   804.0      3    8.068  -0.002   103219   846.7
 Aroclor-1016 4   8.423  -0.001    135184   930.1      4    8.239  -0.002    63199   985.9
       Total Col1Ave (4 peaks):   877.9       Total Col2Ave (4 peaks):   894.9   RPD = 2
       Corrected Ave (3 peaks):   860.5       Corrected Ave (3 peaks):   864.6   RPD = 0

                    CalAmt %D:   -12.2                    CalAmt %D:   -10.5

 Aroclor-1260 1  11.058  -0.003    277616   917.9      1   11.668  -0.002   180676   888.9
 Aroclor-1260 2  11.375  -0.002    293627   938.6      2   11.930  -0.002   450760   883.8
 Aroclor-1260 3  11.748  -0.002    769872   936.7      3   12.449  -0.002   129799   955.7
 Aroclor-1260 4  12.151  -0.003    405939   969.8      4   12.514  -0.002   308791   908.2
 Aroclor-1260 5  12.259  -0.001    161370   941.8      NS    ---                     ----
       Total Col1Ave (5 peaks):   941.0       Total Col2Ave (4 peaks):   909.1   RPD = 3
       Corrected Ave (4 peaks):   933.7       Corrected Ave (3 peaks):   893.6   RPD = 4

                    CalAmt %D:    -5.9                    CalAmt %D:    -9.1




 Total PCB Area Col1 (5.936 - 13.808) =    7995465     Col1 Total PCB = 1.5 ppm*

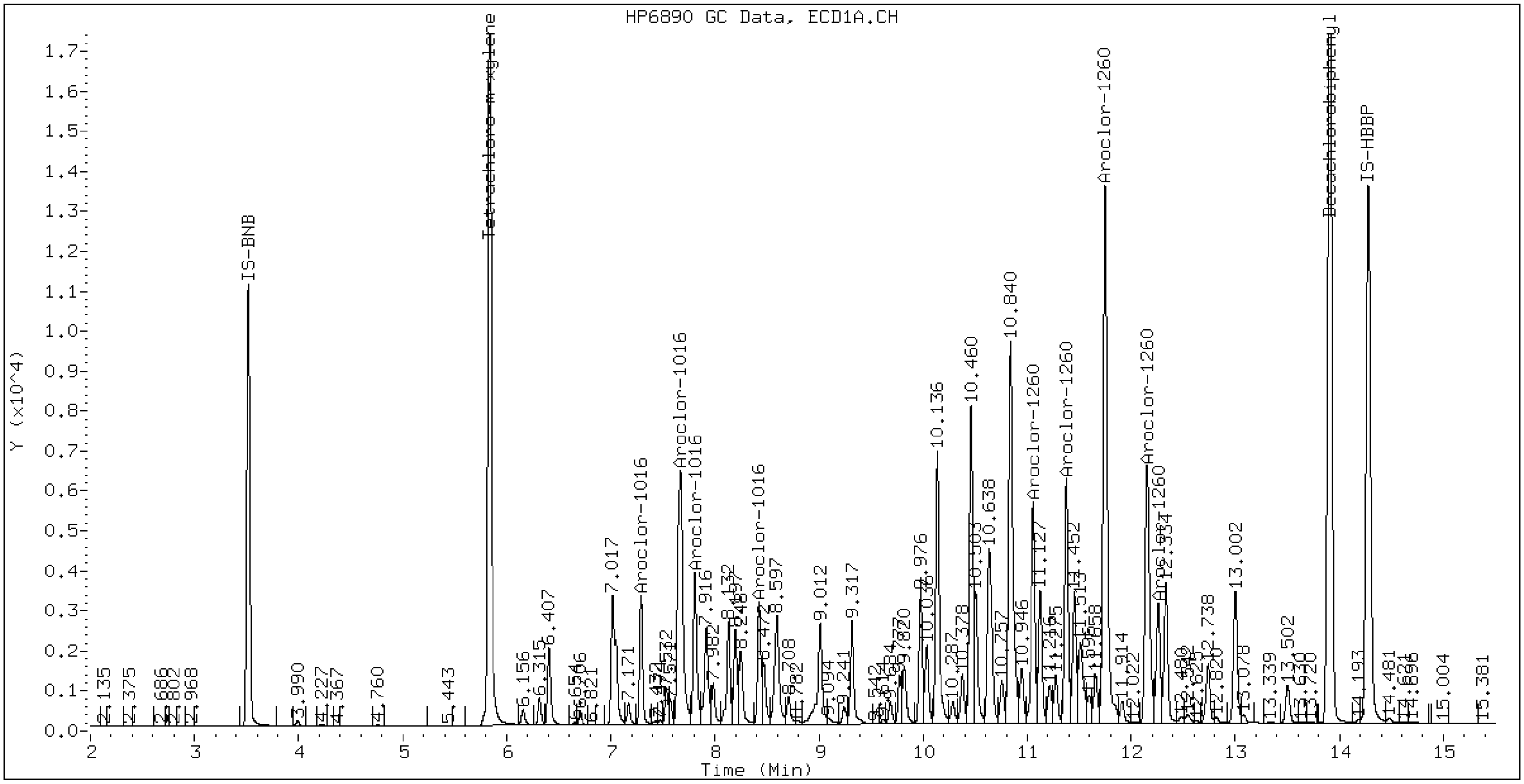
 Total PCB Area Col2 (5.936 - 13.808) =    4426537     Col2 Total PCB = 2.4 ppm*


   *  Quantitated against AR1660 0.25ppm in Ical

                                        PCB-Form 10 Mod.
```

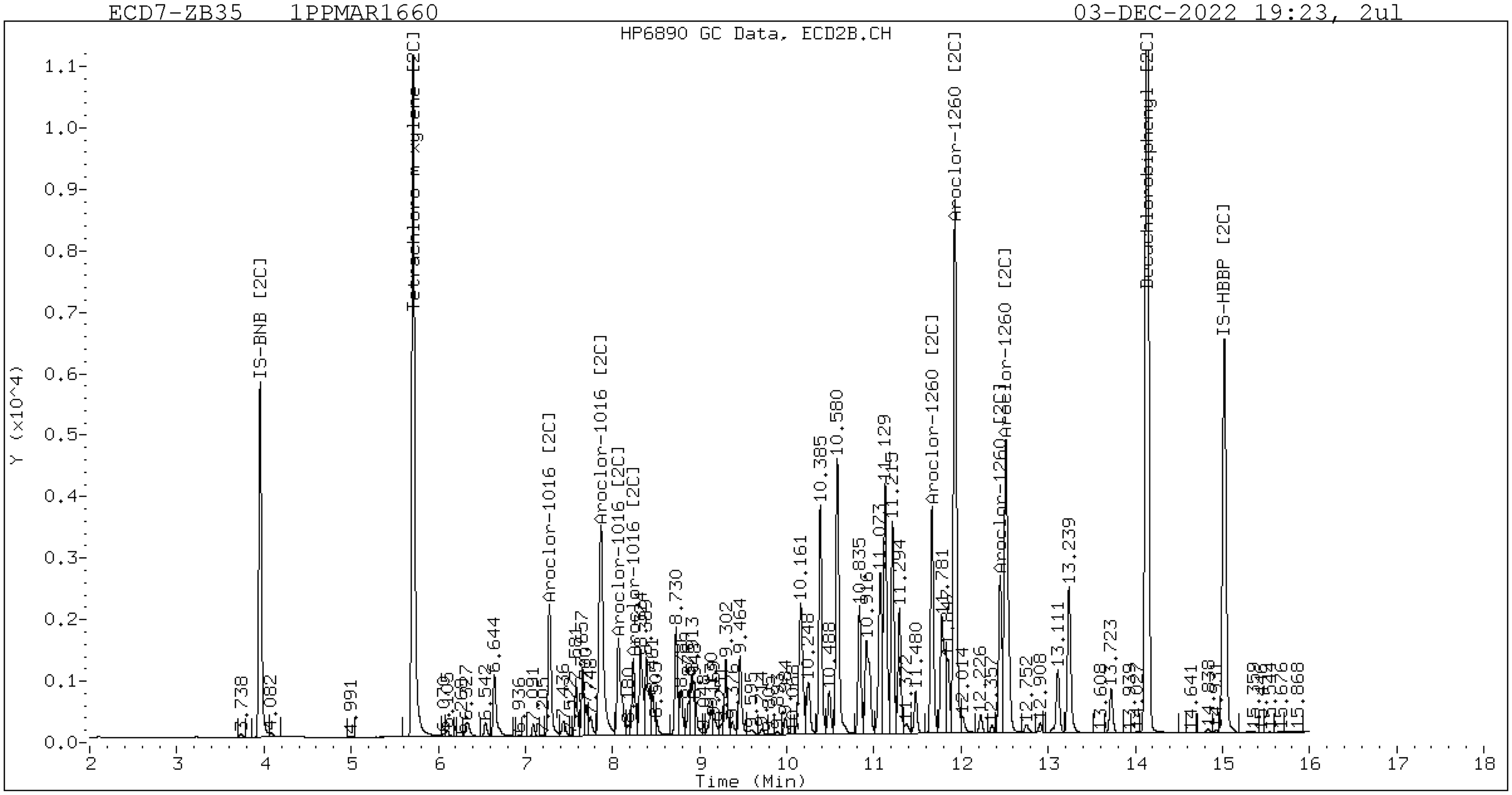
PCB Dual Column Chromatograms

ECD7-ZB5 1PPMAR1660 03-DEC-2022 19:23, 2ul



ZB-5 Manual Integration: NO

ECD7-ZB35 1PPMAR1660 03-DEC-2022 19:23, 2ul



ZB-35 Manual Integration: NO

```
                              Analytical Resources Inc.
                         Dual Column 608/8082 PCB Quantitation Report

Data file 1: /221203.b/12032215ECD7.D                   ARI ID: 0.1PPMAR1660
Data file 2: /221203.b/221203.b/12032215ECD7.D          Client ID:
Method: \\target\share\chem4\ecd7.i\221203.b\PCB.m      Injection Date: 03-DEC-2022 19:44
Compound Sublist: AR1660.sub                               Report Date: 12/05/2022 13:28
Instrument, Inj. Vol.: ecd7.i, 2ul                      Matrix: NONE
Quant Method: Internal Std                              Dilution Factor:  1.0



                                 SURROGATES

       ZB5 Col         |       ZB35 Col         |   ZB5    ZB35
  RT    Shift Response | RT    Shift  Response  |  on col  on col    RPD   Compound/Flag
========================================================================================

  5.836 -0.000   108416 | 5.713  -0.000    58717|   16.7    16.8      0.6    Tetrachloro-m-xylene
 13.907 -0.002   126876 |14.136  -0.001    91231|   16.5    16.6      0.2    Decachlorobiphenyl


*  Indicates RPD > 40%




                            INTERNAL STANDARD SUMMARY

                                        Column 1
                                 Standard    Sample
                   Standard Cpnd       Area*       Area      %D
               --------------------------------------------------
                 Bromo-Nitrobenzene    447645      457669    2.2
                 Hexabromobiphenyl     798898      837264    4.8

                                        Column 2
                                 Standard    Sample
                   Standard Cpnd       Area*       Area      %D
               --------------------------------------------------
                 Bromo-Nitrobenzene    249094     254712     2.3
                 Hexabromobiphenyl     362541     387892     7.0


                * Standard Areas taken from Initial Cal Level 3
                  Initial Calibration Date: 03-DEC-2022
               <- Indicates standard response outside Limits (-50 to +100%)
```

```
//target/share/chem4/ecd7.i/221203.b/12032215ECD7.D      0.1PPMAR1660                          page 2
                            ZB5 Col                                ZB35 Col
 Aroclor    Peak#    RT    Shift    Area    Amount    Peak#   RT     Shift    Area   Amount
 =========================================================================================
 Aroclor-1016 1   7.293   0.001     16631   108.9      1    7.277   0.001    14117   108.4
 Aroclor-1016 2   7.680   0.007     52058   105.6      2    7.876   0.006    29792   106.1
 Aroclor-1016 3   7.816   0.006     24753   110.8      3    8.076   0.005    12664   105.0
 Aroclor-1016 4   8.428   0.004     15027   105.5      4    8.247   0.006     6540   103.1
       Total Col1Ave (4 peaks):   107.7       Total Col2Ave (4 peaks):   105.6   RPD = 2
       Corrected Ave (3 peaks):   106.7       Corrected Ave (3 peaks):   104.7   RPD = 2

                     CalAmt %D:     7.7                     CalAmt %D:     5.6

 Aroclor-1260 1  11.064   0.003     31860   104.5      1   11.671   0.002    21501   105.0
 Aroclor-1260 2  11.381   0.003     32914   104.4      2   11.935   0.003    54902   106.9
 Aroclor-1260 3  11.756   0.006     88153   106.4      3   12.453   0.002    14336   104.8
 Aroclor-1260 4  12.159   0.005     44477   105.5      4   12.520   0.004    36244   105.8
 Aroclor-1260 5  12.262   0.002     18369   106.4      NS    ---                      ----
       Total Col1Ave (5 peaks):   105.4       Total Col2Ave (4 peaks):   105.6   RPD = 0
       Corrected Ave (4 peaks):   105.2       Corrected Ave (3 peaks):   105.2   RPD = 0

                     CalAmt %D:     5.4                     CalAmt %D:     5.6




 Total PCB Area Col1 (5.936 - 13.808) =     933356     Col1 Total PCB = 0.2 ppm*

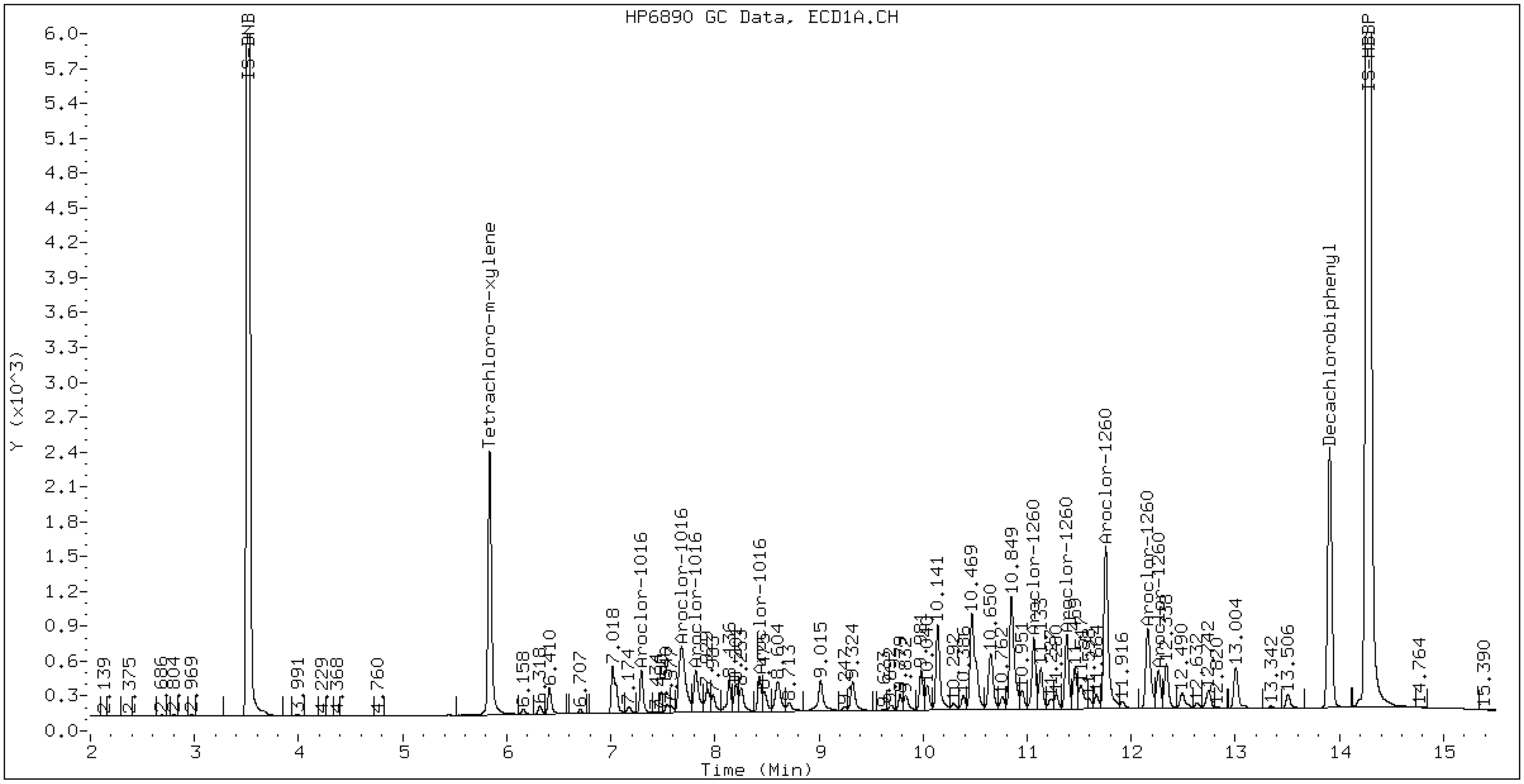
 Total PCB Area Col2 (5.936 - 13.808) =     523507     Col2 Total PCB = 0.3 ppm*


   *  Quantitated against AR1660 0.25ppm in Ical


                                        PCB-Form 10 Mod.
```

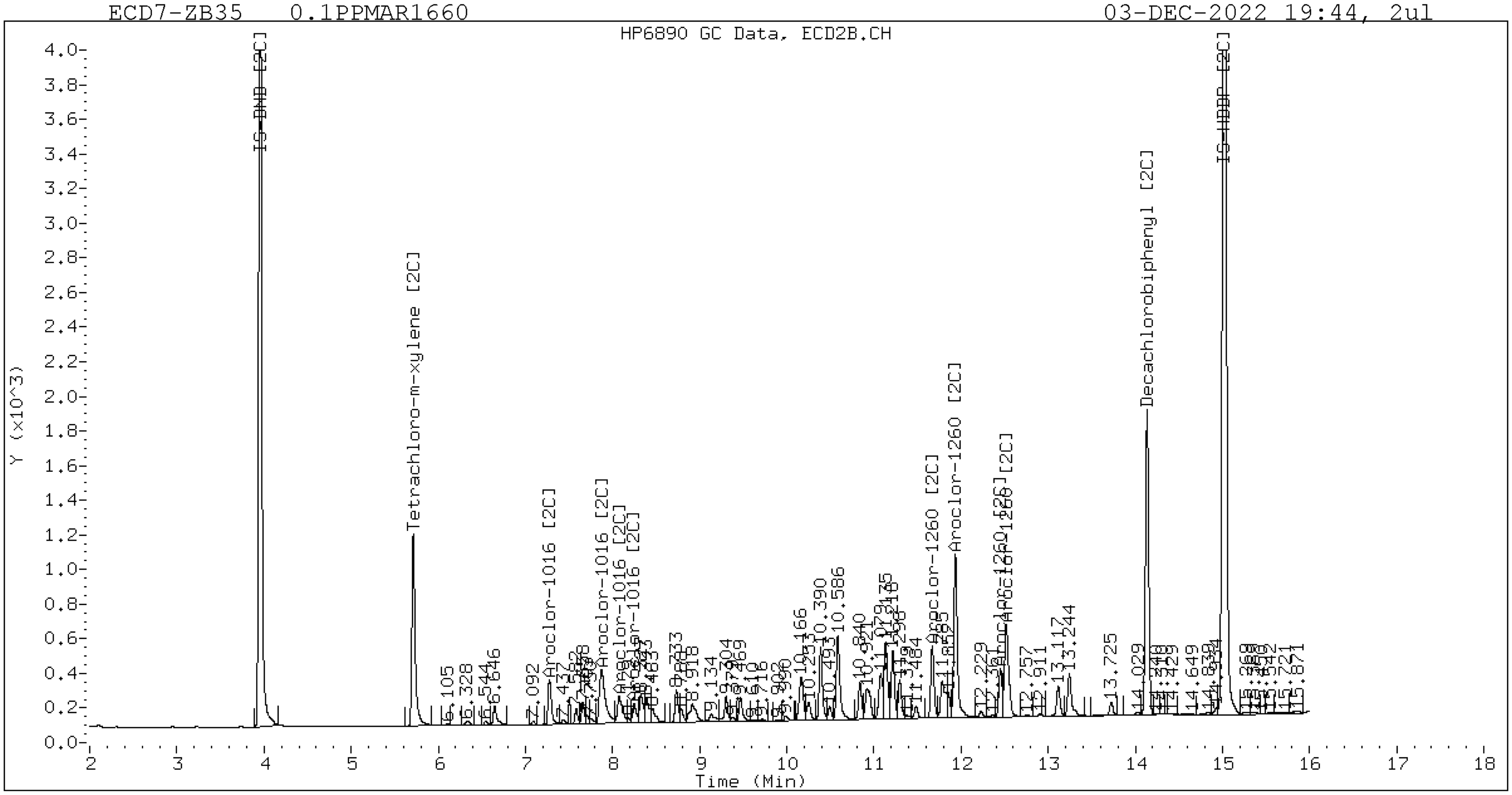
PCB Dual Column Chromatograms

ECD7-ZB5 0.1PPMAR1660 03-DEC-2022 19:44, 2ul



ZB-5 Manual Integration: NO

ECD7-ZB35 0.1PPMAR1660 03-DEC-2022 19:44, 2ul



ZB-35 Manual Integration: NO

```
                              Analytical Resources Inc.
                         Dual Column 608/8082 PCB Quantitation Report

Data file 1: /221203.b/12032216ECD7.D                    ARI ID: 0.5PPMAR1660
Data file 2: /221203.b/221203.b/12032216ECD7.D           Client ID:
Method: \\target\share\chem4\ecd7.i\221203.b\PCB.m       Injection Date: 03-DEC-2022 20:05
Compound Sublist: AR1660.sub                                Report Date: 12/05/2022 13:28
Instrument, Inj. Vol.: ecd7.i, 2ul                       Matrix: NONE
Quant Method: Internal Std                               Dilution Factor:  1.0



                                 SURROGATES

       ZB5 Col          |        ZB35 Col          |   ZB5    ZB35
  RT    Shift Response | RT    Shift  Response   |  on col  on col    RPD   Compound/Flag
==========================================================================================

  5.835 -0.001   510310 | 5.711  -0.002   273850|   78.2    77.7      0.7    Tetrachloro-m-xylene
 13.908 -0.001   570893 |14.137  -0.000   431489|   74.4    77.0      3.4    Decachlorobiphenyl


*  Indicates RPD > 40%




                            INTERNAL STANDARD SUMMARY

                                        Column 1
                                 Standard    Sample
                  Standard Cpnd       Area*       Area      %D
              --------------------------------------------------
                Bromo-Nitrobenzene    447645      460250    2.8
                Hexabromobiphenyl     798898      837210    4.8

                                        Column 2
                                 Standard    Sample
                  Standard Cpnd       Area*       Area      %D
              --------------------------------------------------
                Bromo-Nitrobenzene    249094     257013     3.2
                Hexabromobiphenyl     362541     394788     8.9


               * Standard Areas taken from Initial Cal Level 3
                 Initial Calibration Date: 03-DEC-2022
              <- Indicates standard response outside Limits (-50 to +100%)
```

```
//target/share/chem4/ecd7.i/221203.b/12032216ECD7.D      0.5PPMAR1660                          page 2
                            ZB5 Col                                ZB35 Col
 Aroclor   Peak#    RT    Shift    Area    Amount    Peak#   RT     Shift    Area   Amount
 =========================================================================================
 Aroclor-1016 1   7.292   0.000     73008   475.5      1    7.275   0.000    61467   467.8
 Aroclor-1016 2   7.674   0.000    243498   491.2      2    7.870   0.000   135395   477.7
 Aroclor-1016 3   7.810   0.000    100165   445.9      3    8.070   0.000    55783   458.3
 Aroclor-1016 4   8.424   0.000     70493   492.3      4    8.241   0.000    32578   509.0
       Total Col1Ave (4 peaks):   476.3       Total Col2Ave (4 peaks):   478.2   RPD = 0
       Corrected Ave (3 peaks):   470.9       Corrected Ave (3 peaks):   467.9   RPD = 1

                     CalAmt %D:    -4.7                    CalAmt %D:    -4.4

 Aroclor-1260 1  11.062   0.000    148089   485.9      1   11.669   0.000    95983   460.6
 Aroclor-1260 2  11.377   0.000    154542   490.3      2   11.933   0.000   249045   476.3
 Aroclor-1260 3  11.750   0.000    401802   485.2      3   12.451   0.000    66824   479.9
 Aroclor-1260 4  12.154   0.000    212604   504.1      4   12.517   0.000   165020   473.4
 Aroclor-1260 5  12.260   0.000     85762   496.7      NS    ---                      ----
       Total Col1Ave (5 peaks):   492.5       Total Col2Ave (4 peaks):   472.5   RPD = 4
       Corrected Ave (4 peaks):   489.5       Corrected Ave (3 peaks):   470.1   RPD = 4

                     CalAmt %D:    -1.5                    CalAmt %D:    -5.5




 Total PCB Area Col1 (5.936 - 13.808) =    4267475     Col1 Total PCB = 0.8 ppm*

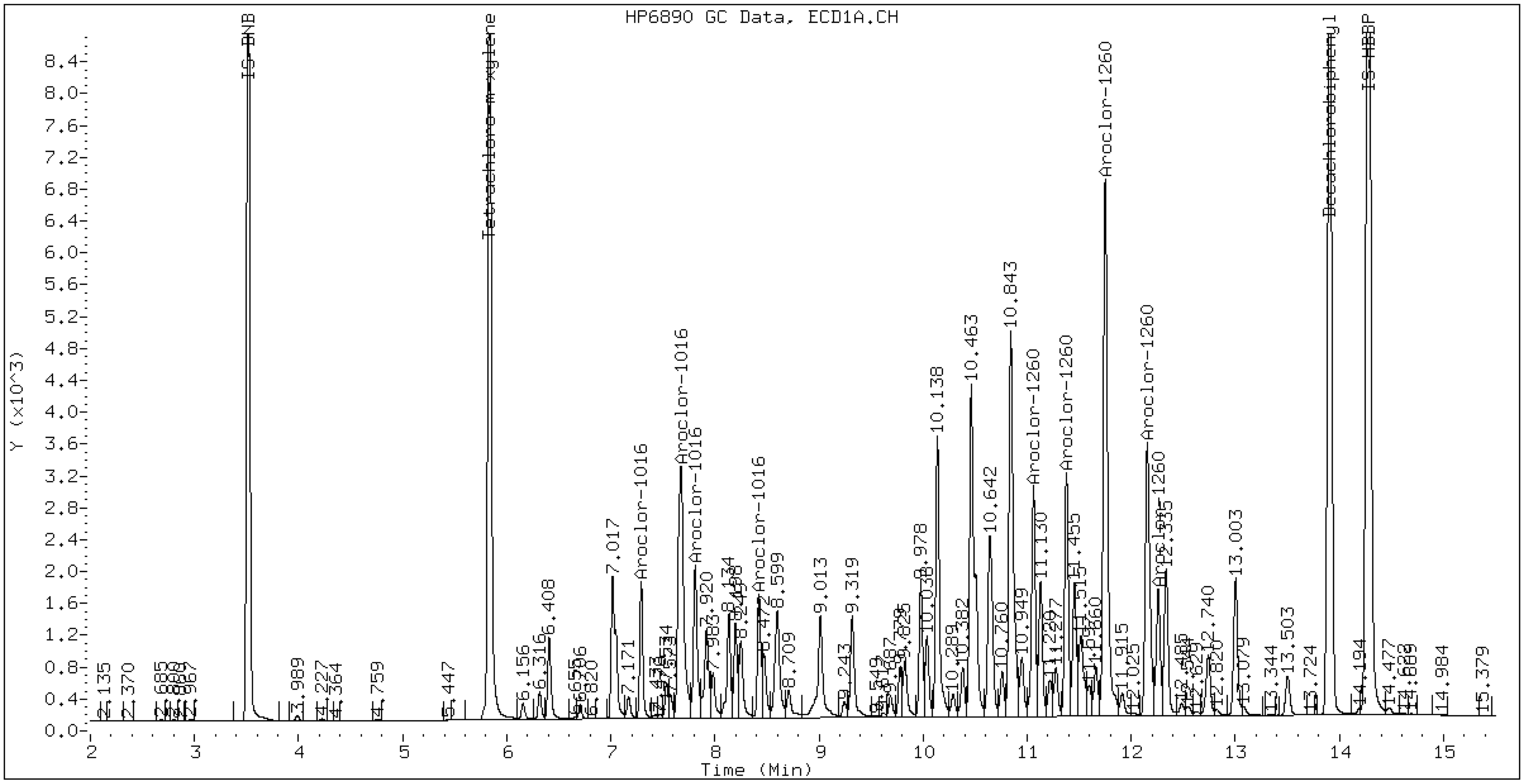
 Total PCB Area Col2 (5.936 - 13.808) =    2352394     Col2 Total PCB = 1.3 ppm*


   *  Quantitated against AR1660 0.25ppm in Ical


                                        PCB-Form 10 Mod.
```

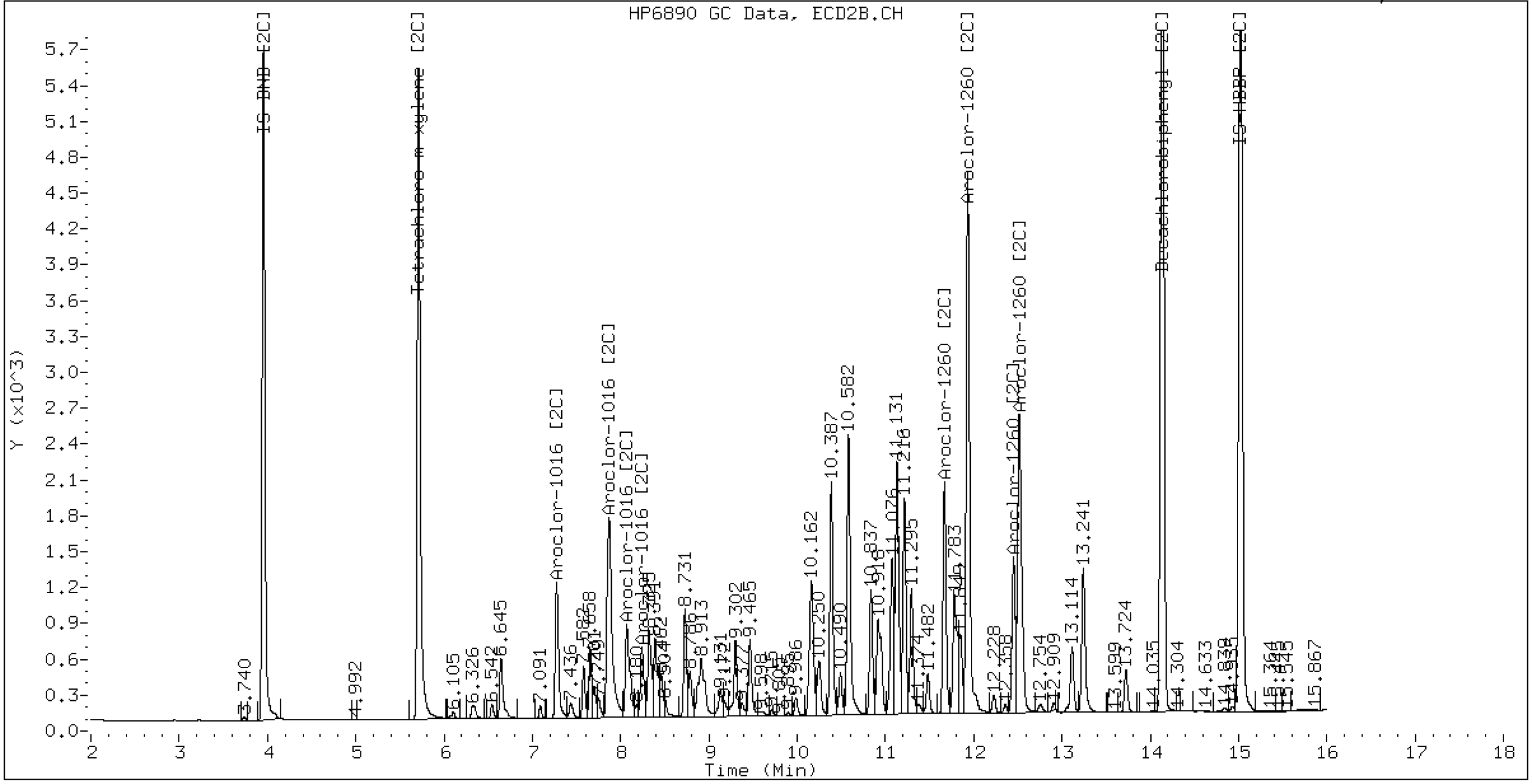
PCB Dual Column Chromatograms

ECD7-ZB5 0.5PPMAR1660 03-DEC-2022 20:05, 2ul



ZB-5 Manual Integration: NO

ECD7-ZB35 0.5PPMAR1660 03-DEC-2022 20:05, 2ul



ZB-35 Manual Integration: NO

```
                                 Analytical Resources Inc.
                            Dual Column 608/8082 PCB Quantitation Report

 Data file 1: /221203.b/12032217ECD7.D                   ARI ID: AR1242
 Data file 2: /221203.b/221203.b/12032217ECD7.D          Client ID:
 Method: \\target\share\chem4\ecd7.i\221203.b\PCB.m      Injection Date: 03-DEC-2022 20:26
 Compound Sublist: AR1242.sub                               Report Date: 12/05/2022 13:28
 Instrument, Inj. Vol.: ecd7.i, 2ul                      Matrix: NONE
 Quant Method: Internal Std                              Dilution Factor:  1.0



                                    SURROGATES

        ZB5 Col          |        ZB35 Col         |   ZB5    ZB35
   RT    Shift Response | RT    Shift  Response  |  on col  on col    RPD   Compound/Flag
 ==========================================================================================

  5.837  0.000   243461 | 5.713  -0.000   130768|   37.3    37.1      0.4    Tetrachloro-m-xylene
 13.908 -0.001   300671 |14.137   0.000   218277|   38.5    38.4      0.2    Decachlorobiphenyl


*  Indicates RPD > 40%



                                INTERNAL STANDARD SUMMARY

                                            Column 1
                                     Standard    Sample
                  Standard Cpnd        Area*       Area      %D
               --------------------------------------------------
                 Bromo-Nitrobenzene    447645      461030    3.0
                 Hexabromobiphenyl     798898      851899    6.6

                                            Column 2
                                     Standard    Sample
                  Standard Cpnd        Area*       Area      %D
               --------------------------------------------------
                 Bromo-Nitrobenzene    249094     257053     3.2
                 Hexabromobiphenyl     362541     400012    10.3


                * Standard Areas taken from Initial Cal Level 3
                  Initial Calibration Date: 03-DEC-2022
               <- Indicates standard response outside Limits (-50 to +100%)
```

```
                             ZB5 Col                                   ZB35 Col
 Aroclor    Peak#    RT    Shift    Area    Amount    Peak#   RT     Shift    Area   Amount
 ==========================================================================================
 Aroclor-1242 1   7.294   0.000     32669   250.0      1    7.277   0.000    27198   250.0
 Aroclor-1242 2   7.680   0.000    103727   250.0      2    7.875   0.000    57737   250.0
 Aroclor-1242 3   8.427   0.000     29844   250.0      3    9.178   0.000    18627   250.0
 Aroclor-1242 4   9.030   0.000     61970   250.0      4    9.605   0.000    22388   250.0
       Total Col1Ave (4 peaks):   250.0       Total Col2Ave (4 peaks):   250.0   RPD = 0
       Corrected Ave (3 peaks):   250.0       Corrected Ave (3 peaks):   250.0   RPD = 0




 Total PCB Area Col1 (5.936 - 13.808) =     766457     Col1 Total PCB = 0.1 ppm*

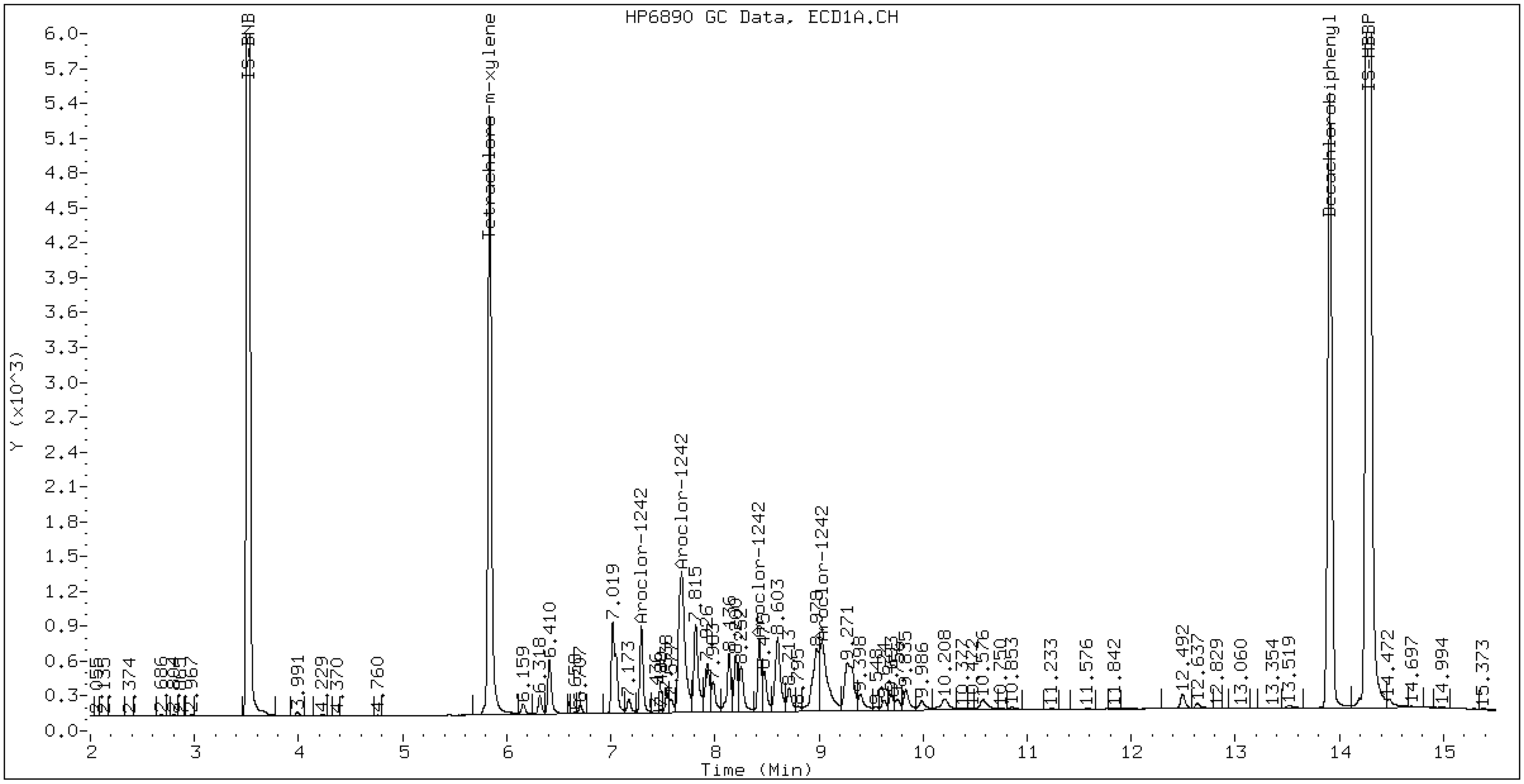
 Total PCB Area Col2 (5.936 - 13.808) =     407128     Col2 Total PCB = 0.2 ppm*


   *  Quantitated against AR1660 0.25ppm in Ical


                                        PCB-Form 10 Mod.
```

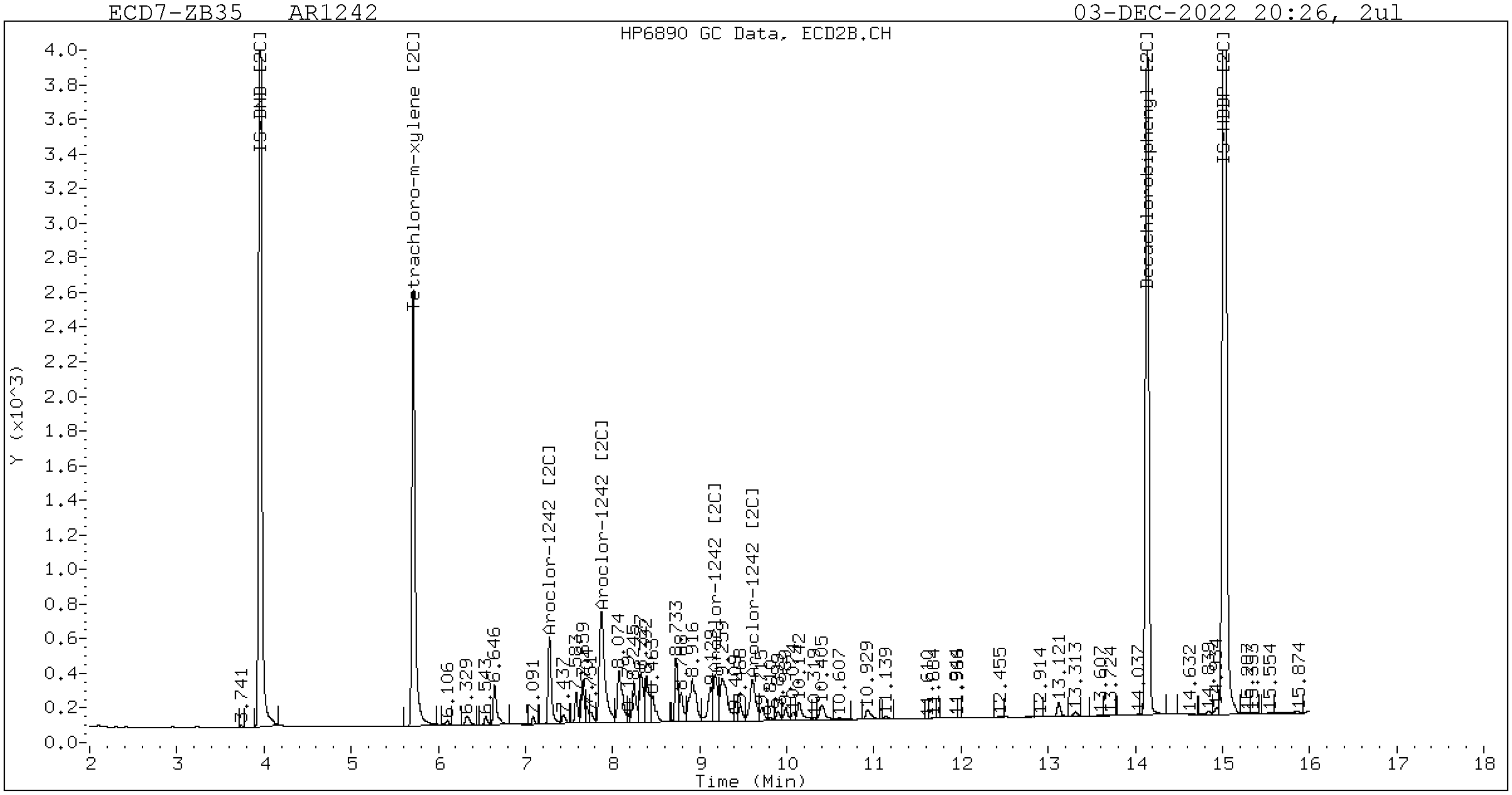
PCB Dual Column Chromatograms

ECD7-ZB5 AR1242 03-DEC-2022 20:26, 2ul



ZB-5 Manual Integration: YES

ECD7-ZB35 AR1242 03-DEC-2022 20:26, 2ul

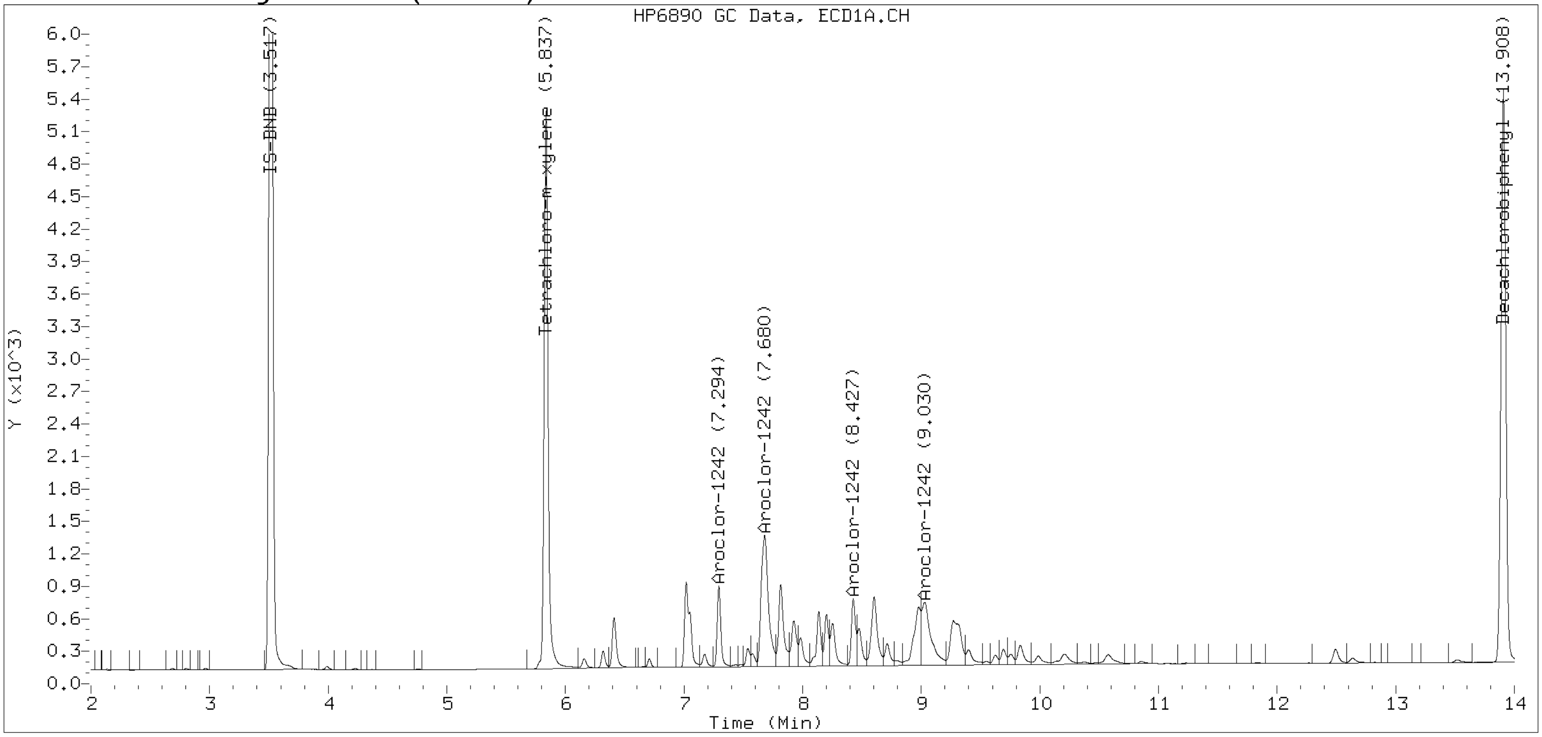


ZB-35 Manual Integration: YES

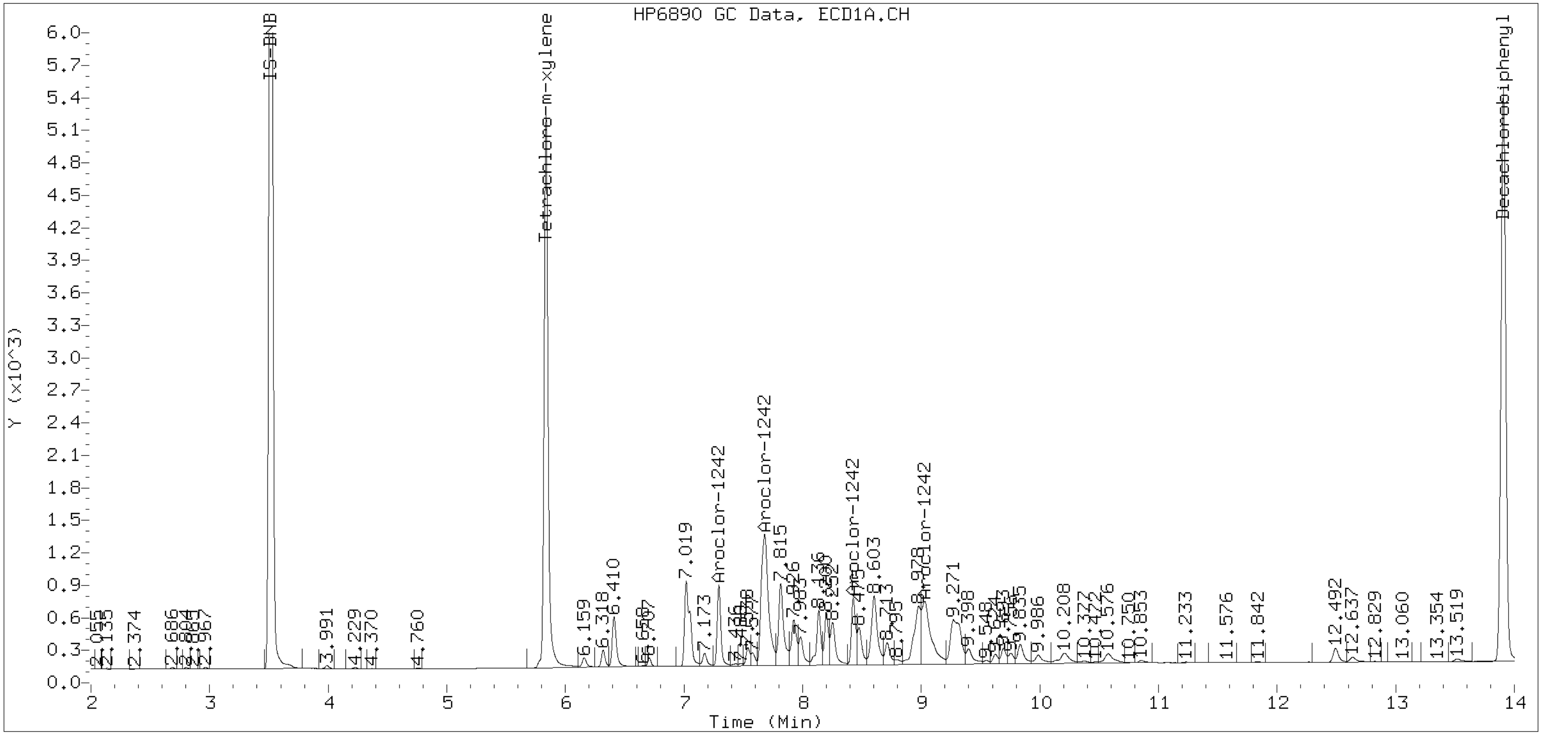
Manual Peak Adjustment, ZB-5

Datafile: ecd7.i/221203.b/12032217ECD7.D   Injection Date: 03-DEC-2022 20:26

Manual Integration (After)



Processed Integration (Before)



```
                          Analytical Resources Inc.
                     Dual Column 608/8082 PCB Quantitation Report

Data file 1: /221203.b/12032218ECD7.D                  ARI ID: AR1248
Data file 2: /221203.b/221203.b/12032218ECD7.D         Client ID:
Method: \\target\share\chem4\ecd7.i\221203.b\PCB.m     Injection Date: 03-DEC-2022 20:48
Compound Sublist: AR1248.sub                              Report Date: 12/05/2022 13:28
Instrument, Inj. Vol.: ecd7.i, 2ul                     Matrix: NONE
Quant Method: Internal Std                             Dilution Factor:  1.0



                                 SURROGATES

       ZB5 Col          |       ZB35 Col         |   ZB5    ZB35
  RT    Shift Response | RT    Shift  Response  |  on col  on col    RPD   Compound/Flag
==========================================================================================

 5.836 -0.001   231737 | 5.713  -0.000   124430|   36.1    35.8      0.8    Tetrachloro-m-xylene
13.907 -0.001   296478 |14.137   0.000   215774|   38.9    38.1      1.9    Decachlorobiphenyl


*  Indicates RPD > 40%



                              INTERNAL STANDARD SUMMARY

                                          Column 1
                                   Standard    Sample
                  Standard Cpnd       Area*       Area      %D
               --------------------------------------------------
                 Bromo-Nitrobenzene    447645      453370    1.3
                 Hexabromobiphenyl     798898      832030    4.1

                                          Column 2
                                   Standard    Sample
                  Standard Cpnd       Area*       Area      %D
               --------------------------------------------------
                 Bromo-Nitrobenzene    249094     253684     1.8
                 Hexabromobiphenyl     362541     398468     9.9


                * Standard Areas taken from Initial Cal Level 3
                  Initial Calibration Date: 03-DEC-2022
               <- Indicates standard response outside Limits (-50 to +100%)
```

```
//target/share/chem4/ecd7.i/221203.b/12032218ECD7.D      AR1248                           page 2
                               ZB5 Col                                  ZB35 Col
 Aroclor    Peak#    RT    Shift    Area    Amount    Peak#   RT     Shift    Area   Amount
 ===============================================================================================
 Aroclor-1248 1   8.427   0.000     48733   250.0      1    8.326   0.000    25909   250.0
 Aroclor-1248 2   8.603   0.000     62221   250.0      2    8.733   0.000    27250   250.0
 Aroclor-1248 3   9.023   0.000    111933   250.0      3    9.177   0.000    33147   250.0
 Aroclor-1248 4   9.315   0.000     54837   250.0      4    9.602   0.000    38911   250.0
       Total Col1Ave (4 peaks):   250.0       Total Col2Ave (4 peaks):   250.0   RPD = 0
       Corrected Ave (3 peaks):   250.0       Corrected Ave (3 peaks):   250.0   RPD = 0



 Total PCB Area Col1 (5.936 - 13.808) =     964384     Col1 Total PCB = 0.2 ppm*

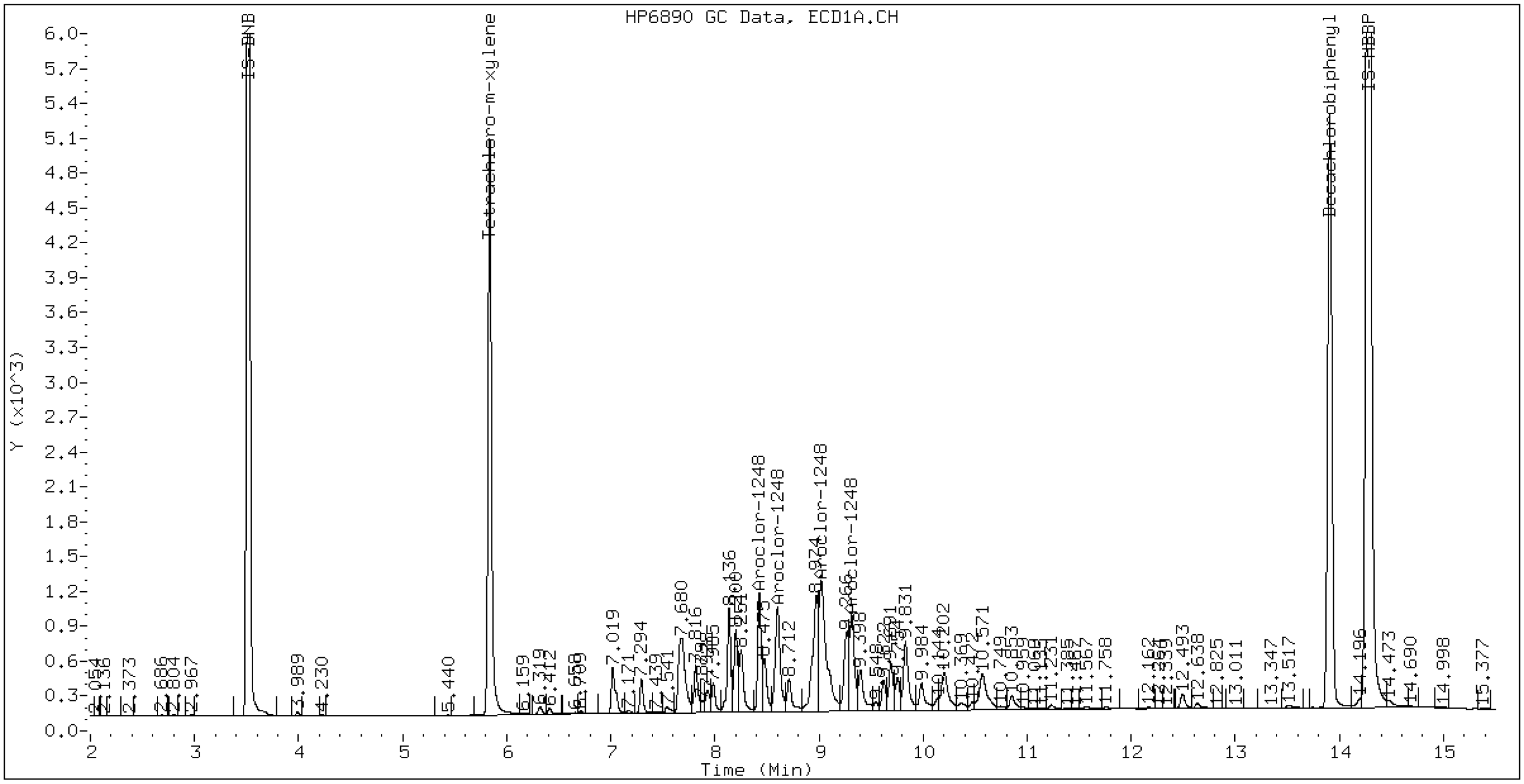
 Total PCB Area Col2 (5.936 - 13.808) =     514558     Col2 Total PCB = 0.3 ppm*

   *  Quantitated against AR1660 0.25ppm in Ical

                                        PCB-Form 10 Mod.
```

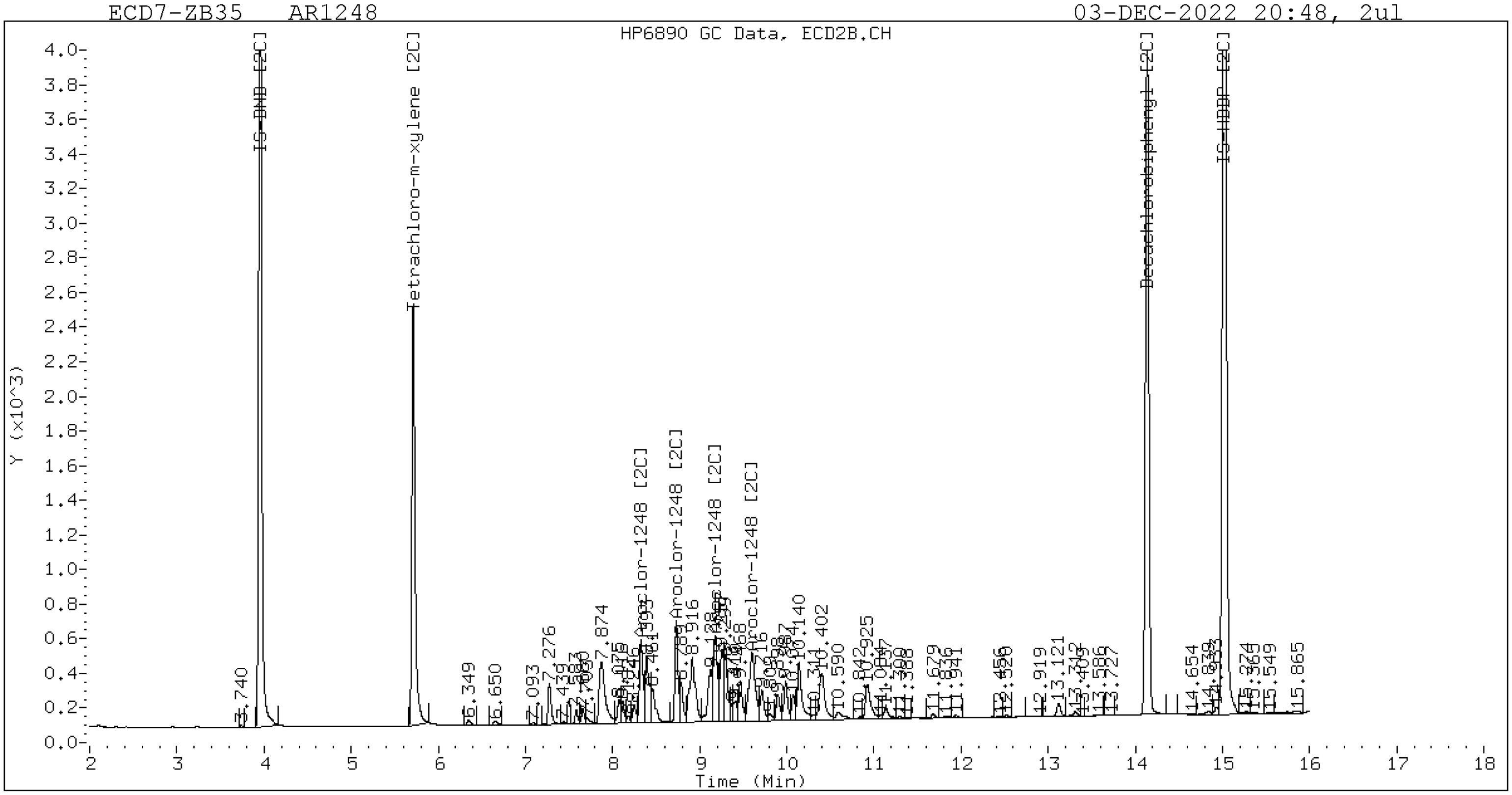
PCB Dual Column Chromatograms

ECD7-ZB5 AR1248 03-DEC-2022 20:48, 2ul



ZB-5 Manual Integration: NO

ECD7-ZB35 AR1248 03-DEC-2022 20:48, 2ul



ZB-35 Manual Integration: NO

```
                              Analytical Resources Inc.
                         Dual Column 608/8082 PCB Quantitation Report

 Data file 1: /221203.b/12032219ECD7.D                       ARI ID: AR1254
 Data file 2: /221203.b/221203.b/12032219ECD7.D              Client ID:
 Method: \\target\share\chem4\ecd7.i\221203.b\PCB.m          Injection Date: 03-DEC-2022 21:09
 Compound Sublist: AR1254.sub                                   Report Date: 12/05/2022 13:28
 Instrument, Inj. Vol.: ecd7.i, 2ul                          Matrix: NONE
 Quant Method: Internal Std                                  Dilution Factor:  1.0



                                  SURROGATES

        ZB5 Col          |       ZB35 Col          |   ZB5    ZB35
   RT    Shift Response | RT    Shift  Response  |  on col  on col    RPD   Compound/Flag
 ==========================================================================================

  5.836 -0.000   235742 | 5.713  -0.000   129532|   36.3    36.8      1.4    Tetrachloro-m-xylene
 13.908 -0.000   304424 |14.136  -0.001   220843|   39.5    38.4      2.7    Decachlorobiphenyl


*  Indicates RPD > 40%



                               INTERNAL STANDARD SUMMARY

                                           Column 1
                                    Standard    Sample
                  Standard Cpnd       Area*       Area      %D
               --------------------------------------------------
                Bromo-Nitrobenzene    447645      458200    2.4
                Hexabromobiphenyl     798898      841638    5.3

                                           Column 2
                                    Standard    Sample
                  Standard Cpnd       Area*       Area      %D
               --------------------------------------------------
                Bromo-Nitrobenzene    249094     256547     3.0
                Hexabromobiphenyl     362541     405063    11.7


                * Standard Areas taken from Initial Cal Level 3
                  Initial Calibration Date: 03-DEC-2022
               <- Indicates standard response outside Limits (-50 to +100%)
```

```
//target/share/chem4/ecd7.i/221203.b/12032219ECD7.D      AR1254                              page 2
                                   ZB5 Col                                  ZB35 Col
 Aroclor    Peak#    RT    Shift    Area    Amount    Peak#   RT     Shift    Area   Amount
 ==========================================================================================
 Aroclor-1254 1   9.319   0.000    100858   250.0      1    9.467   0.000    41352   250.0
 Aroclor-1254 2   9.397   0.000     39224   250.0      2    9.987   0.000    33246   250.0
 Aroclor-1254 3   9.688   0.000     63702   250.0      3   10.139   0.000    71462   250.0
 Aroclor-1254 4   9.828   0.000    124170   250.0      4   10.389   0.000    74009   250.0
 Aroclor-1254 5  10.194   0.000     85117   250.0      5   10.586   0.000    35695   250.0
       Total Col1Ave (5 peaks):   250.0       Total Col2Ave (5 peaks):   250.0   RPD = 0
       Corrected Ave (4 peaks):   250.0       Corrected Ave (4 peaks):   250.0   RPD = 0




 Total PCB Area Col1 (5.936 - 13.808) =    1310899     Col1 Total PCB = 0.2 ppm*

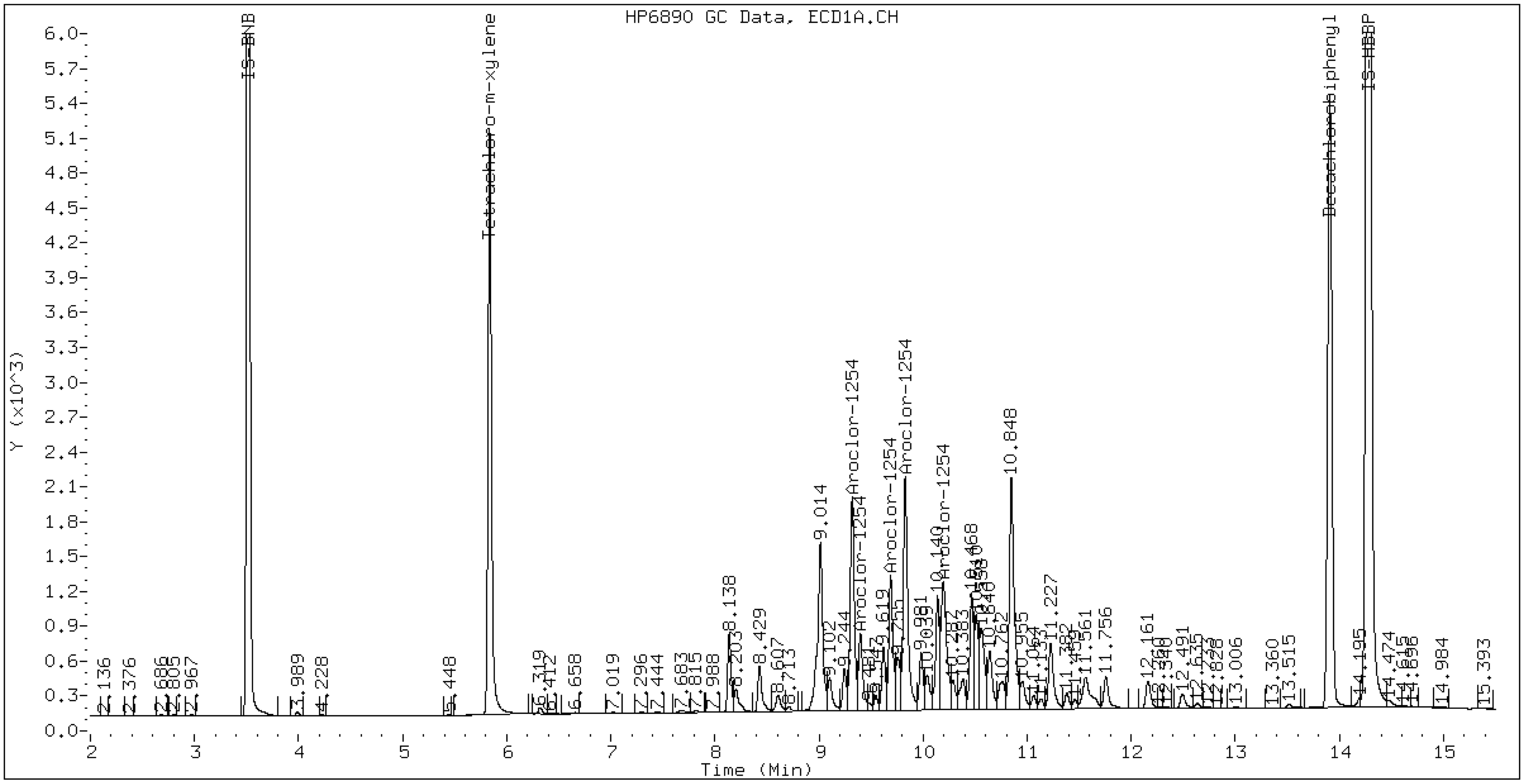
 Total PCB Area Col2 (5.936 - 13.808) =     697760     Col2 Total PCB = 0.4 ppm*


   *  Quantitated against AR1660 0.25ppm in Ical


                                         PCB-Form 10 Mod.
```

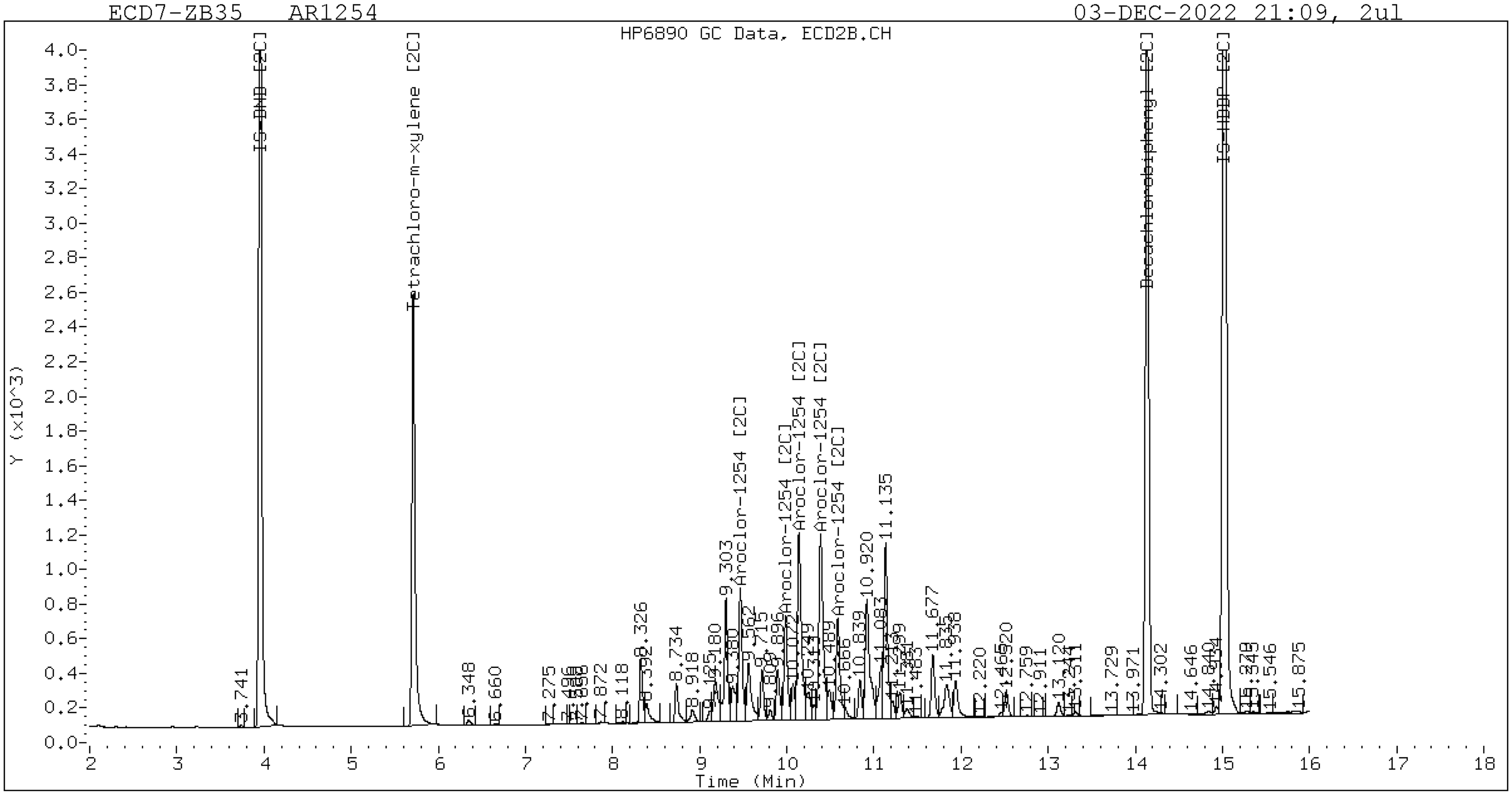
PCB Dual Column Chromatograms

ECD7-ZB5 AR1254 03-DEC-2022 21:09, 2ul



ZB-5 Manual Integration: NO

ECD7-ZB35 AR1254 03-DEC-2022 21:09, 2ul



ZB-35 Manual Integration: YES

```
                           Analytical Resources Inc.
                      Dual Column 608/8082 PCB Quantitation Report

 Data file 1: /221203.b/12032220ECD7.D                 ARI ID: AR2162
 Data file 2: /221203.b/221203.b/12032220ECD7.D        Client ID:
 Method: \\target\share\chem4\ecd7.i\221203.b\PCB.m    Injection Date: 03-DEC-2022 21:30
 Compound Sublist: AR2162.sub                             Report Date: 12/05/2022 13:28
 Instrument, Inj. Vol.: ecd7.i, 2ul                    Matrix: NONE
 Quant Method: Internal Std                            Dilution Factor:  1.0



                                  SURROGATES

        ZB5 Col          |        ZB35 Col         |   ZB5    ZB35
   RT    Shift Response | RT    Shift  Response  |  on col  on col    RPD   Compound/Flag
 ==========================================================================================

  5.835 -0.001   241351 | 5.713  -0.001   129143|   36.5    36.2      0.7    Tetrachloro-m-xylene
 13.908  0.000   313862 |14.136  -0.001   226219|   40.2    38.7      4.0    Decachlorobiphenyl


*  Indicates RPD > 40%



                             INTERNAL STANDARD SUMMARY

                                         Column 1
                                  Standard    Sample
                  Standard Cpnd       Area*       Area      %D
               ---------------------------------------------------
                 Bromo-Nitrobenzene    447645      466944    4.3
                 Hexabromobiphenyl     798898      850987    6.5

                                         Column 2
                                  Standard    Sample
                  Standard Cpnd       Area*       Area      %D
               ---------------------------------------------------
                 Bromo-Nitrobenzene    249094     260026     4.4
                 Hexabromobiphenyl     362541     412003    13.6


                * Standard Areas taken from Initial Cal Level 3
                  Initial Calibration Date: 03-DEC-2022
               <- Indicates standard response outside Limits (-50 to +100%)
```

```
                            ZB5 Col                                ZB35 Col
 Aroclor    Peak#    RT    Shift    Area    Amount    Peak#   RT     Shift    Area   Amount
 ==========================================================================================
 Aroclor-1221 1   4.760   0.000      9650   250.0      1    4.987   0.000     5486   250.0
 Aroclor-1221 2   6.159   0.000     17000   250.0      2    6.322   0.000    10456   250.0
 Aroclor-1221 3   6.409   0.000     39219   250.0      3    6.645   0.000    17596   250.0
       Total Col1Ave (3 peaks):   250.0       Total Col2Ave (3 peaks):   250.0   RPD = 0
       Corrected Ave: < 3 Peaks                      Corrected Ave: < 3 Peaks

 Aroclor-1262 1  10.848   0.000     71145   250.0      1   11.217   0.000    78317   250.0
 Aroclor-1262 2  12.263   0.000    110609   250.0      2   11.670   0.000    67831   250.0
 Aroclor-1262 3  12.337   0.000    118127   250.0      3   12.451   0.000    74822   250.0
 Aroclor-1262 4  13.005   0.000     94805   250.0      4   12.519   0.000   117202   250.0
       Total Col1Ave (4 peaks):   250.0       Total Col2Ave (4 peaks):   250.0   RPD = 0
       Corrected Ave (3 peaks):   250.0       Corrected Ave (3 peaks):   250.0   RPD = 0




 Total PCB Area Col1 (5.936 - 13.808) =    1878739     Col1 Total PCB = 0.3 ppm*

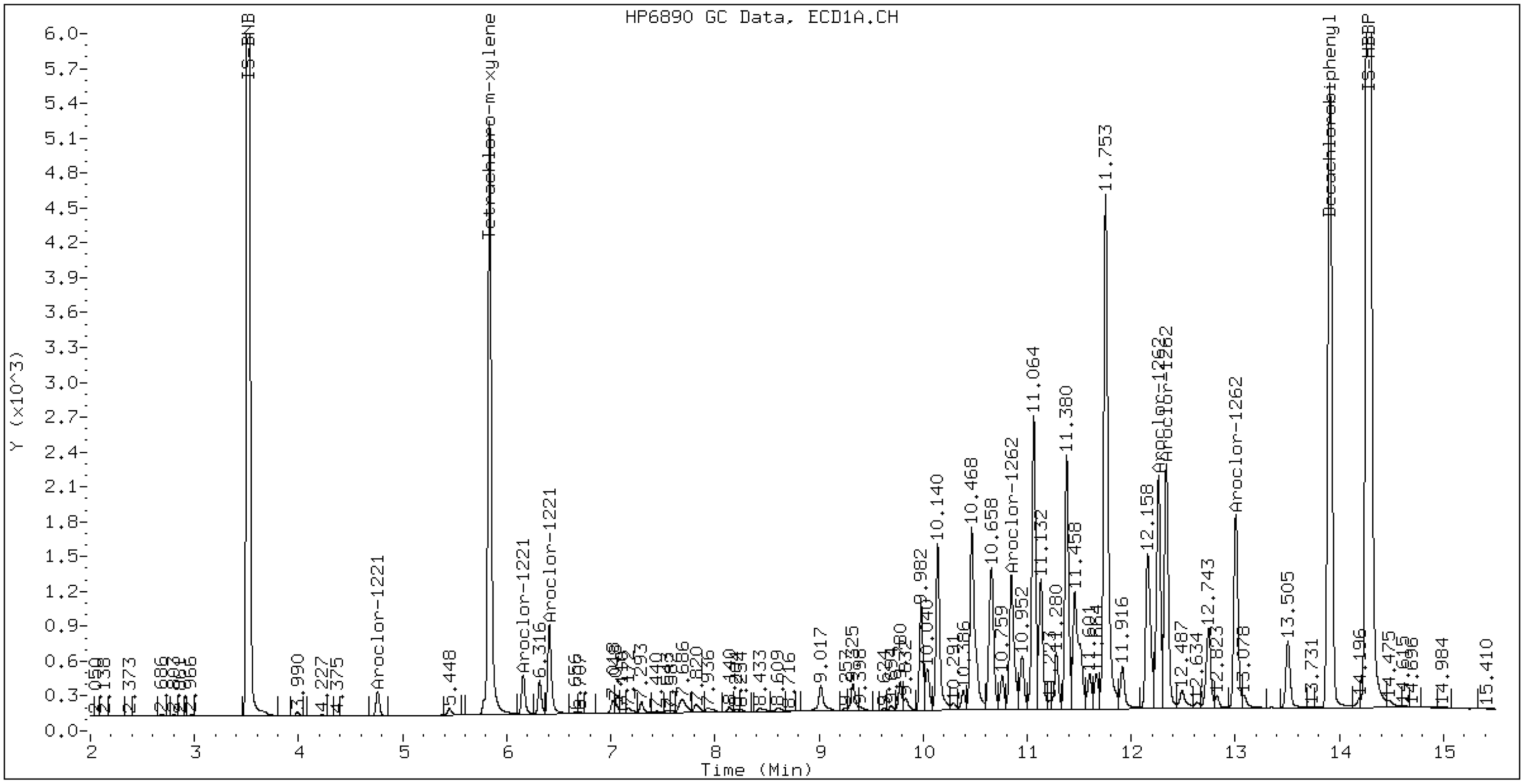
 Total PCB Area Col2 (5.936 - 13.808) =    1073324     Col2 Total PCB = 0.6 ppm*


   *  Quantitated against AR1660 0.25ppm in Ical


                                        PCB-Form 10 Mod.
```

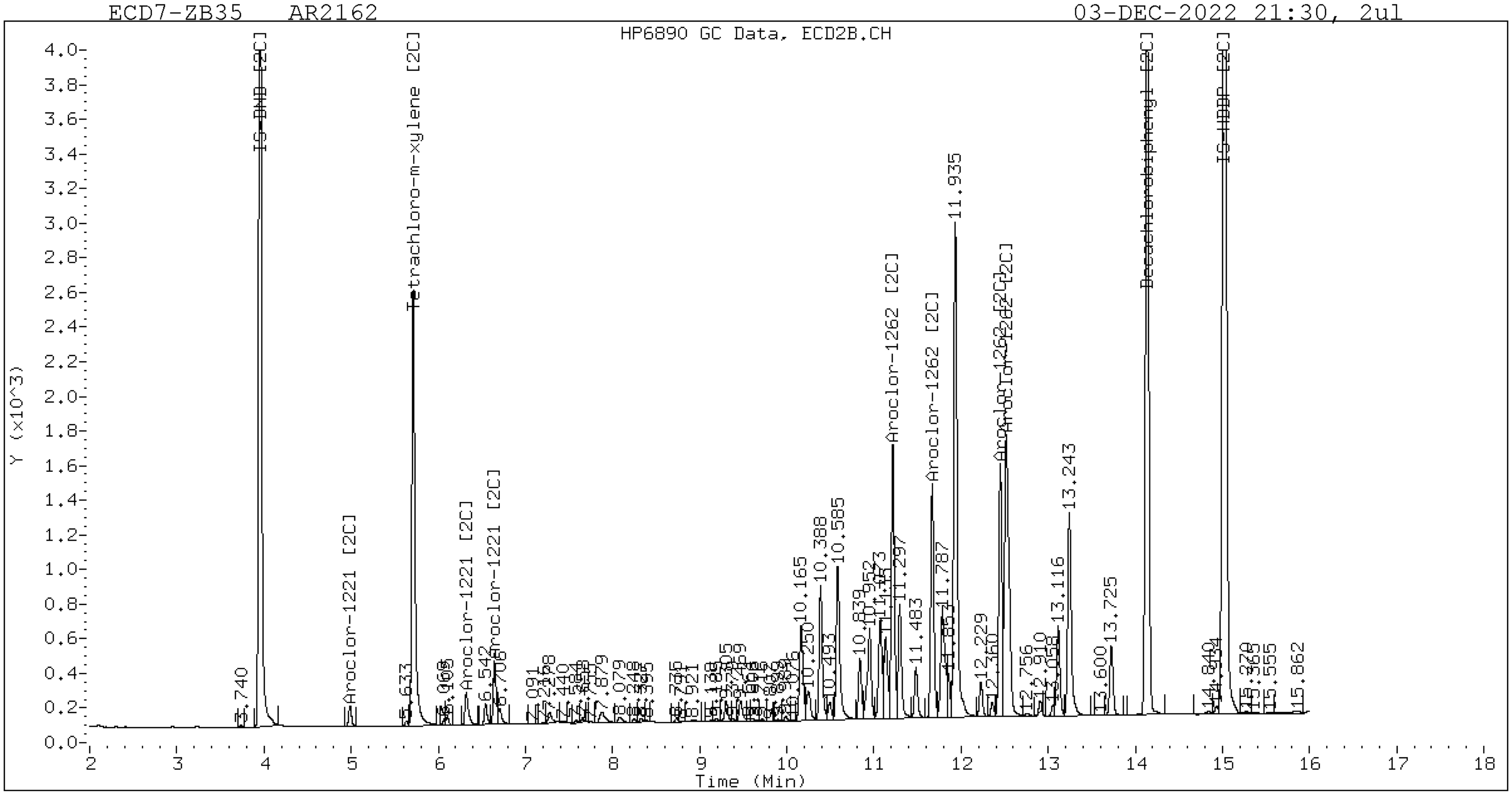
PCB Dual Column Chromatograms

ECD7-ZB5 AR2162 03-DEC-2022 21:30, 2ul



ZB-5 Manual Integration: NO

ECD7-ZB35 AR2162 03-DEC-2022 21:30, 2ul



ZB-35 Manual Integration: NO

```
                              Analytical Resources Inc.
                         Dual Column 608/8082 PCB Quantitation Report

Data file 1: /221203.b/12032221ECD7.D                    ARI ID: AR3268
Data file 2: /221203.b/221203.b/12032221ECD7.D           Client ID:
Method: \\target\share\chem4\ecd7.i\221203.b\PCB.m      Injection Date: 03-DEC-2022 21:52
Compound Sublist: AR3268.sub                                Report Date: 12/05/2022 13:28
Instrument, Inj. Vol.: ecd7.i, 2ul                       Matrix: NONE
Quant Method: Internal Std                               Dilution Factor:  1.0



                                 SURROGATES

       ZB5 Col         |       ZB35 Col         |   ZB5    ZB35
  RT    Shift Response | RT    Shift  Response  |  on col  on col    RPD   Compound/Flag
==========================================================================================

 5.836  0.000   243663 | 5.713   0.000   131067|   37.5    37.4      0.3    Tetrachloro-m-xylene
13.908  0.000   449152 |14.137   0.000   328563|   57.2    55.9      2.3    Decachlorobiphenyl


*  Indicates RPD > 40%




                            INTERNAL STANDARD SUMMARY

                                        Column 1
                                 Standard    Sample
                  Standard Cpnd       Area*       Area      %D
               --------------------------------------------------
                 Bromo-Nitrobenzene    447645      458589    2.4
                 Hexabromobiphenyl     798898      855928    7.1

                                        Column 2
                                 Standard    Sample
                  Standard Cpnd       Area*       Area      %D
               --------------------------------------------------
                 Bromo-Nitrobenzene    249094     255655     2.6
                 Hexabromobiphenyl     362541     413793    14.1


                * Standard Areas taken from Initial Cal Level 3
                  Initial Calibration Date: 03-DEC-2022
               <- Indicates standard response outside Limits (-50 to +100%)
```

```
//target/share/chem4/ecd7.i/221203.b/12032221ECD7.D      AR3268                              page 2
                            ZB5 Col                               ZB35 Col
 Aroclor   Peak#    RT    Shift    Area    Amount    Peak#   RT     Shift    Area   Amount
 ========================================================================================
 Aroclor-1232 1   4.761   0.000      5704   250.0      1    4.989   0.000     3108   250.0
 Aroclor-1232 2   6.160   0.000     12048   250.0      2    7.277   0.000    15872   250.0
 Aroclor-1232 3   7.684   0.000     54107   250.0      3    7.876   0.000    31029   250.0
 Aroclor-1232 4   8.606   0.000     22956   250.0      4    8.734   0.000     8413   250.0
       Total Col1Ave (4 peaks):   250.0       Total Col2Ave (4 peaks):   250.0   RPD = 0
       Corrected Ave (3 peaks):   250.0       Corrected Ave (3 peaks):   250.0   RPD = 0

 Aroclor-1268 1  12.262   0.000    299378   250.0      1   12.450   0.000   195273   250.0
 Aroclor-1268 2  12.335   0.000    292877   250.0      2   12.517   0.000   200224   250.0
 Aroclor-1268 3  12.716   0.000    240046   250.0      3   12.910   0.000    74248   250.0
 Aroclor-1268 4  13.505   0.000    732880   250.0      4   13.726   0.000   534323   250.0
       Total Col1Ave (4 peaks):   250.0       Total Col2Ave (4 peaks):   250.0   RPD = 0
       Corrected Ave (3 peaks):   250.0       Corrected Ave (3 peaks):   250.0   RPD = 0




 Total PCB Area Col1 (5.936 - 13.808) =    2400701     Col1 Total PCB = 0.5 ppm*

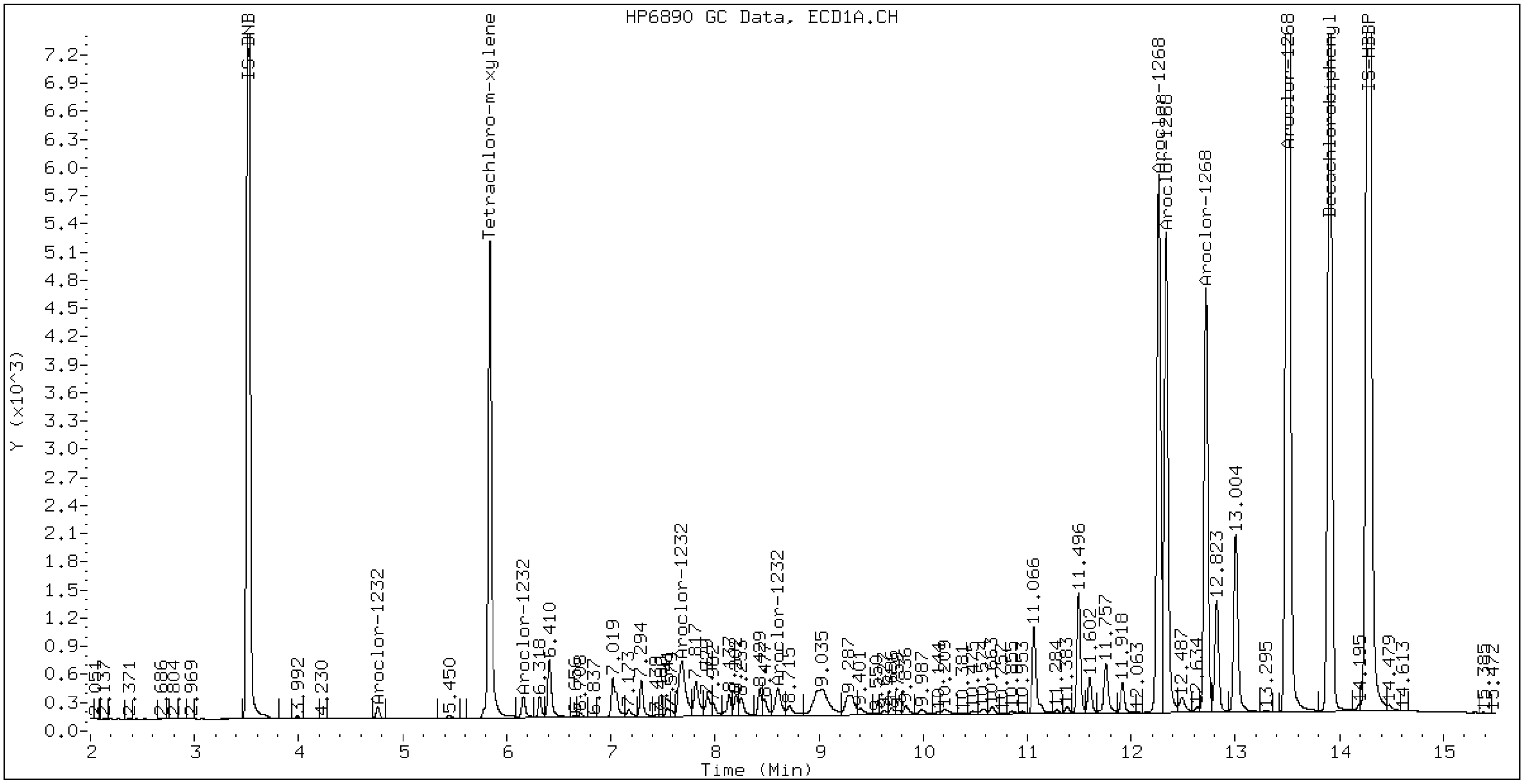
 Total PCB Area Col2 (5.936 - 13.808) =    1468669     Col2 Total PCB = 0.8 ppm*

   *  Quantitated against AR1660 0.25ppm in Ical

                                    PCB-Form 10 Mod.
```

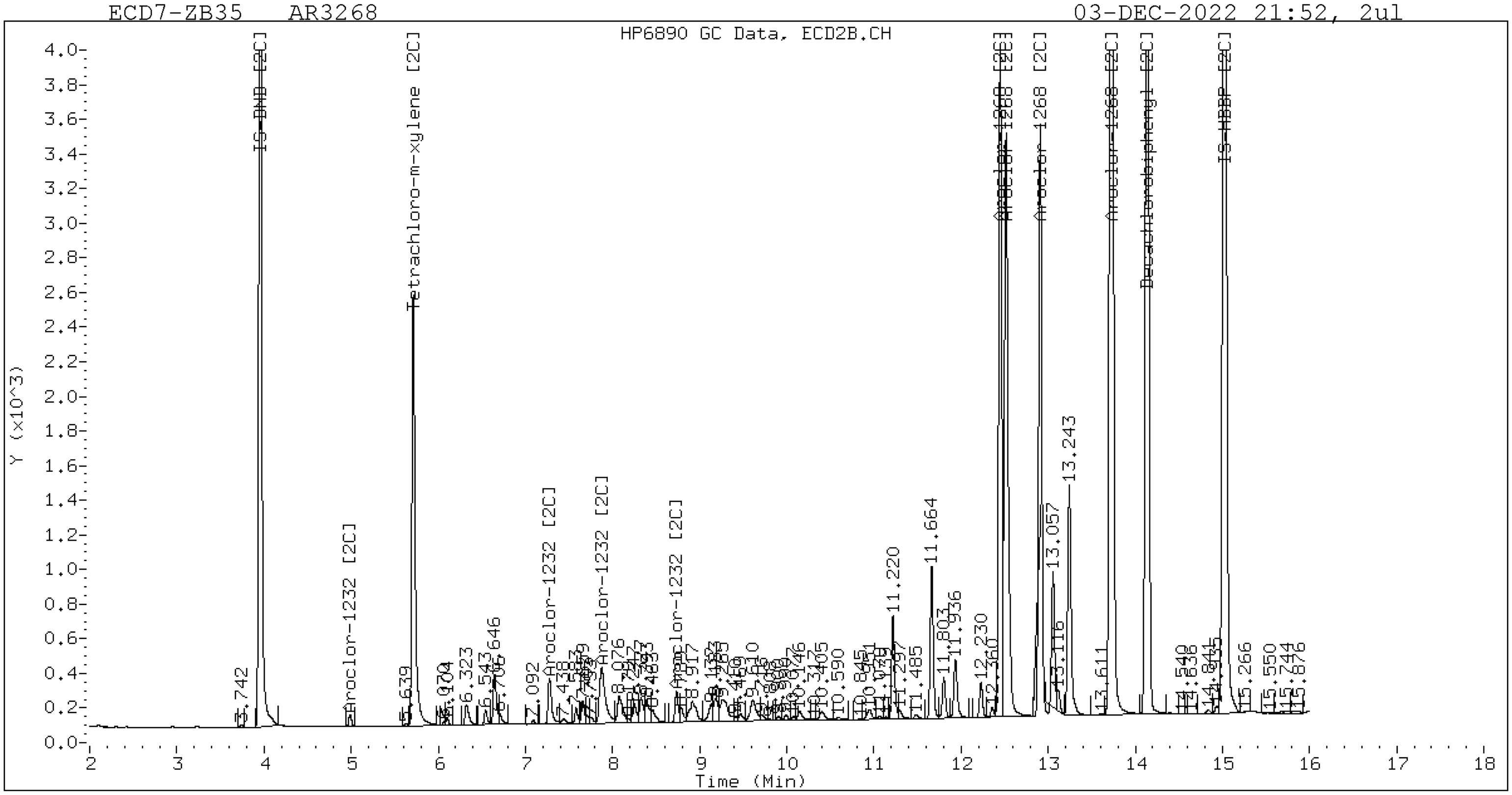
PCB Dual Column Chromatograms

ECD7-ZB5 AR3268 03-DEC-2022 21:52, 2ul



ZB-5 Manual Integration: NO

ECD7-ZB35 AR3268 03-DEC-2022 21:52, 2ul



ZB-35 Manual Integration: NO

```
                              Analytical Resources Inc.
                         Dual Column 608/8082 PCB Quantitation Report

Data file 1: /221203.b/12032222ECD7.D                      ARI ID: AR1660SCV1
Data file 2: /221203.b/221203.b/12032222ECD7.D             Client ID:
Method: \\target\share\chem4\ecd7.i\221203.b\PCB.m         Injection Date: 03-DEC-2022 22:13
Compound Sublist: AR1660.sub                                  Report Date: 12/05/2022 13:28
Instrument, Inj. Vol.: ecd7.i, 2ul                         Matrix: NONE
Quant Method: Internal Std                                 Dilution Factor:  1.0



                                 SURROGATES

       ZB5 Col          |        ZB35 Col          |   ZB5    ZB35
  RT    Shift Response | RT    Shift  Response  |  on col  on col    RPD   Compound/Flag
==========================================================================================

  5.837  0.000   247495 | 5.714   0.000   133904|   36.1    36.1      0.2    Tetrachloro-m-xylene
 13.909  0.001   325466 |14.137   0.000   234467|   39.8    38.2      4.2    Decachlorobiphenyl


*  Indicates RPD > 40%




                             INTERNAL STANDARD SUMMARY

                                         Column 1
                                  Standard    Sample
                  Standard Cpnd       Area*       Area      %D
              --------------------------------------------------
                Bromo-Nitrobenzene    447645      483506    8.0
                Hexabromobiphenyl     798898      892033   11.7

                                         Column 2
                                  Standard    Sample
                  Standard Cpnd       Area*       Area      %D
              --------------------------------------------------
                Bromo-Nitrobenzene    249094     270882     8.7
                Hexabromobiphenyl     362541     432562    19.3


               * Standard Areas taken from Initial Cal Level 3
                 Initial Calibration Date: 03-DEC-2022
              <- Indicates standard response outside Limits (-50 to +100%)
```

```
//target/share/chem4/ecd7.i/221203.b/12032222ECD7.D      AR1660SCV1                      page 2
                            ZB5 Col                                ZB35 Col
 Aroclor   Peak#    RT    Shift    Area    Amount    Peak#   RT     Shift    Area   Amount
 =========================================================================================
 Aroclor-1016 1   7.293   0.001     36100   223.8      1    7.277   0.002    30155   217.7
 Aroclor-1016 2   7.681   0.007    113995   218.9      2    7.875   0.004    64468   215.8
 Aroclor-1016 3   7.815   0.004     53043   224.8      3    8.074   0.004    27130   211.5
 Aroclor-1016 4   8.428   0.004     33958   225.7      4    8.245   0.004    14848   220.1
       Total Col1Ave (4 peaks):   223.3       Total Col2Ave (4 peaks):   216.3   RPD = 3
       Corrected Ave (3 peaks):   222.5       Corrected Ave (3 peaks):   215.0   RPD = 3

 Aroclor-1260 1  11.063   0.001     93173   286.9      1   11.671   0.002    56796   248.7
 Aroclor-1260 2  11.380   0.003     95530   284.5      2   11.935   0.002   153247   267.5
 Aroclor-1260 3  11.754   0.004    250548   283.9      3   12.452   0.001    41316   270.8
 Aroclor-1260 4  12.159   0.005    120399   267.9      4   12.519   0.003   100704   263.7
 Aroclor-1260 5  12.263   0.003     55639   302.5      NS    ---                      ----
       Total Col1Ave (5 peaks):   285.1       Total Col2Ave (4 peaks):   262.7   RPD = 8
       Corrected Ave (4 peaks):   280.8       Corrected Ave (3 peaks):   260.0   RPD = 8





 Total PCB Area Col1 (5.936 - 13.808) =    2318083     Col1 Total PCB = 0.4 ppm*

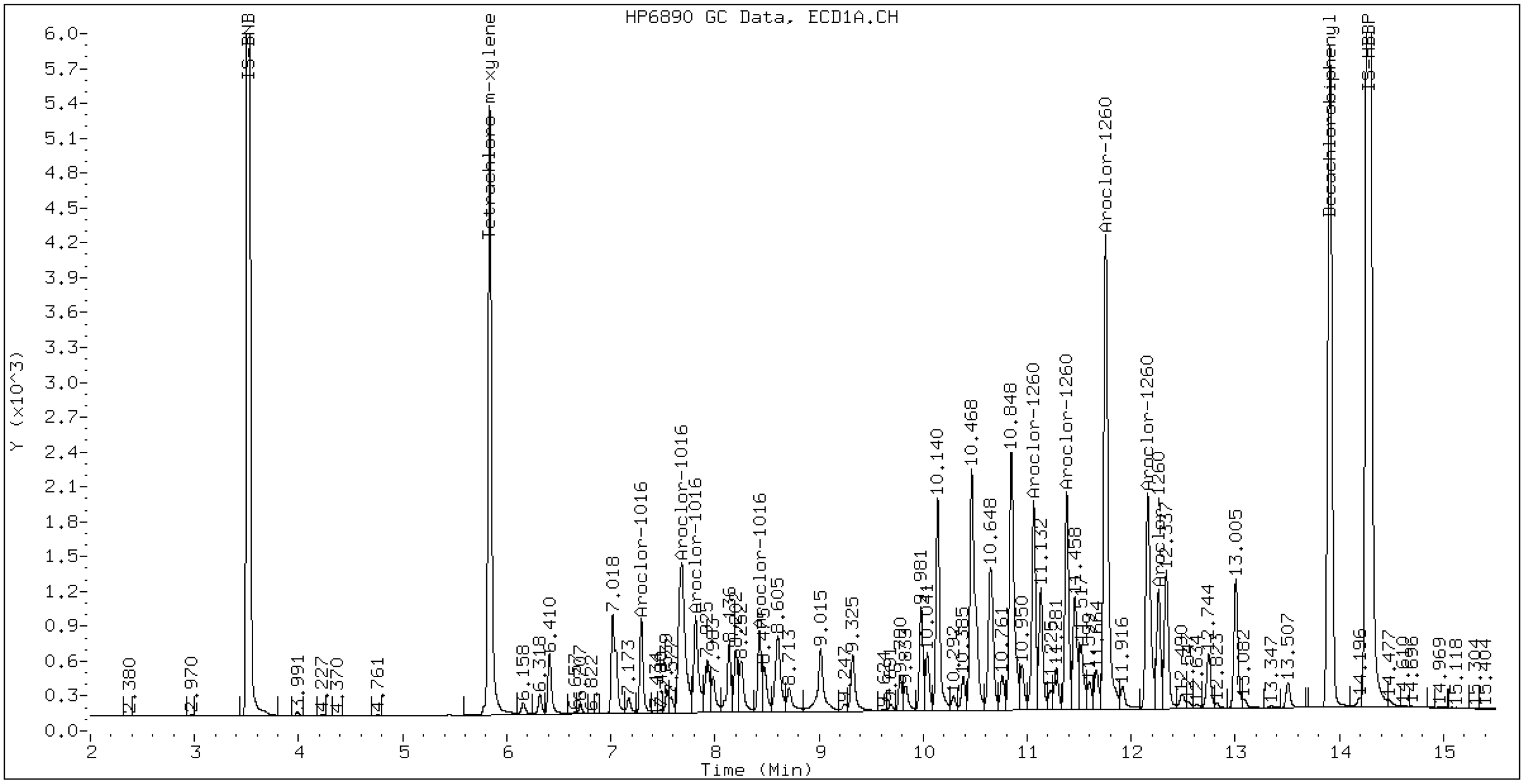
 Total PCB Area Col2 (5.936 - 13.808) =    1275603     Col2 Total PCB = 0.7 ppm*


   *  Quantitated against AR1660 0.25ppm in Ical


                                       PCB-Form 10 Mod.
```

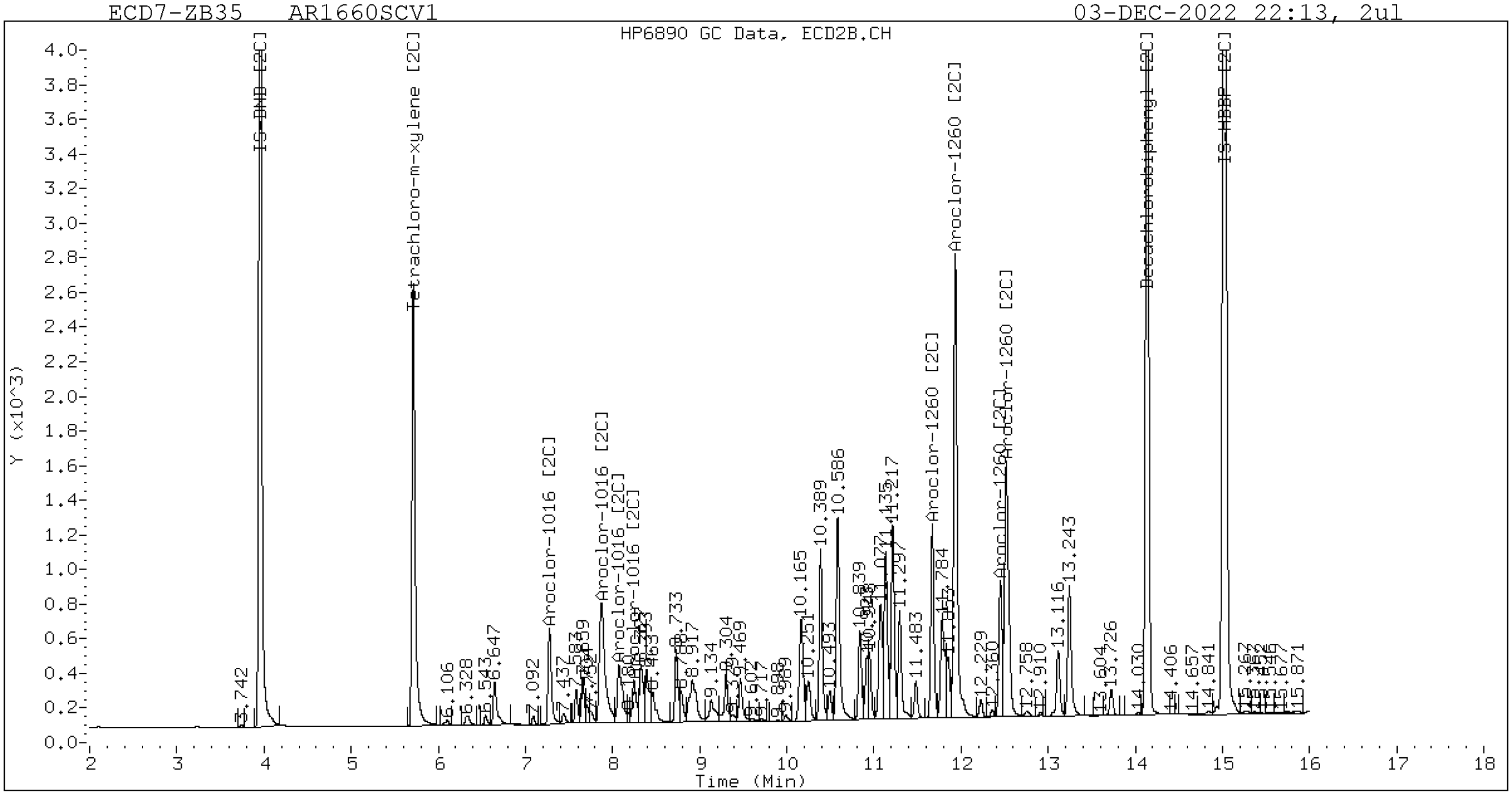
PCB Dual Column Chromatograms

ECD7-ZB5 AR1660SCV1 03-DEC-2022 22:13, 2ul



ZB-5 Manual Integration: NO

ECD7-ZB35 AR1660SCV1 03-DEC-2022 22:13, 2ul



ZB-35 Manual Integration: NO

```
                              Analytical Resources Inc.
                         Dual Column 608/8082 PCB Quantitation Report

Data file 1: /221203.b/12032223ECD7.D                   ARI ID: AR1242SCV2
Data file 2: /221203.b/221203.b/12032223ECD7.D          Client ID:
Method: \\target\share\chem4\ecd7.i\221203.b\PCB.m      Injection Date: 03-DEC-2022 22:34
Compound Sublist: AR1242.sub                               Report Date: 12/05/2022 13:28
Instrument, Inj. Vol.: ecd7.i, 2ul                      Matrix: NONE
Quant Method: Internal Std                              Dilution Factor:  1.0



                                 SURROGATES

       ZB5 Col         |       ZB35 Col          |   ZB5    ZB35
  RT    Shift Response | RT    Shift  Response   |  on col  on col    RPD   Compound/Flag
==========================================================================================

 5.836 -0.000   242356 | 5.713  -0.001   132586|   35.6    35.8      0.7    Tetrachloro-m-xylene
13.909  0.001   321690 |14.136  -0.001   228130|   39.1    38.0      2.9    Decachlorobiphenyl


*  Indicates RPD > 40%




                            INTERNAL STANDARD SUMMARY

                                        Column 1
                                 Standard    Sample
               Standard Cpnd       Area*       Area      %D
           --------------------------------------------------
             Bromo-Nitrobenzene    447645      480791    7.4
             Hexabromobiphenyl     798898      896515   12.2

                                        Column 2
                                 Standard    Sample
               Standard Cpnd       Area*       Area      %D
           --------------------------------------------------
             Bromo-Nitrobenzene    249094     270117     8.4
             Hexabromobiphenyl     362541     422729    16.6


            * Standard Areas taken from Initial Cal Level 3
              Initial Calibration Date: 03-DEC-2022
           <- Indicates standard response outside Limits (-50 to +100%)
```

```
                            ZB5 Col                                ZB35 Col
 Aroclor   Peak#    RT    Shift    Area    Amount    Peak#   RT     Shift    Area   Amount
 ==========================================================================================
 Aroclor-1242 1   7.294   0.000     26316   193.1      1    7.277  -0.001    23973   209.7
 Aroclor-1242 2   7.677  -0.003     89703   207.3      2    7.873  -0.002    50204   206.9
 Aroclor-1242 3   8.427   0.000     26786   215.2      3    9.176  -0.002    19686   251.4
 Aroclor-1242 4   9.025  -0.005     54647   211.4      4    9.599  -0.006    21874   232.4
       Total Col1Ave (4 peaks):   206.7       Total Col2Ave (4 peaks):   225.1   RPD = 9
       Corrected Ave (3 peaks):   203.9       Corrected Ave (3 peaks):   216.3   RPD = 6




 Total PCB Area Col1 (5.936 - 13.808) =     731052     Col1 Total PCB = 0.1 ppm*

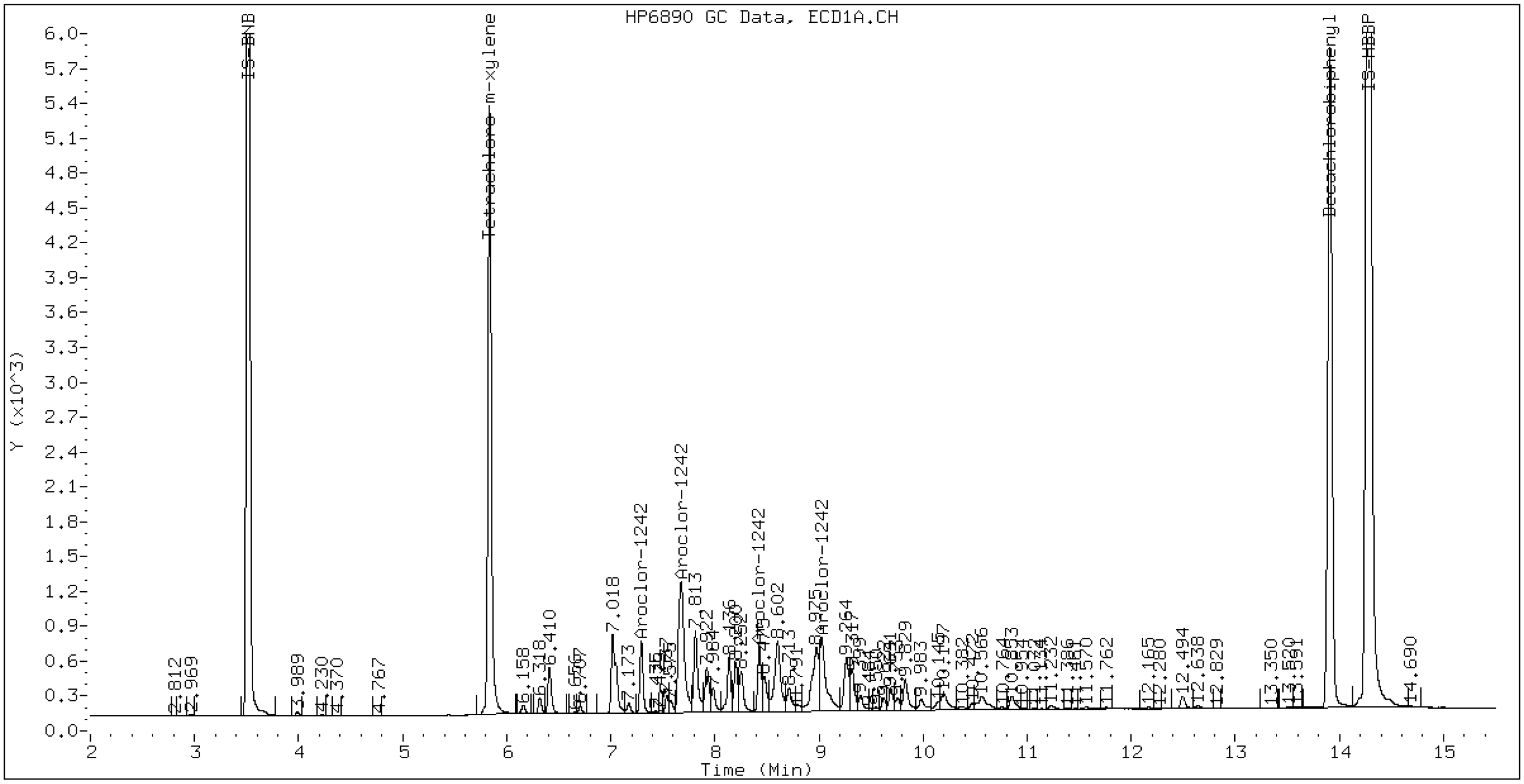
 Total PCB Area Col2 (5.936 - 13.808) =     398143     Col2 Total PCB = 0.2 ppm*


   *  Quantitated against AR1660 0.25ppm in Ical
```

PCB-Form 10 Mod.

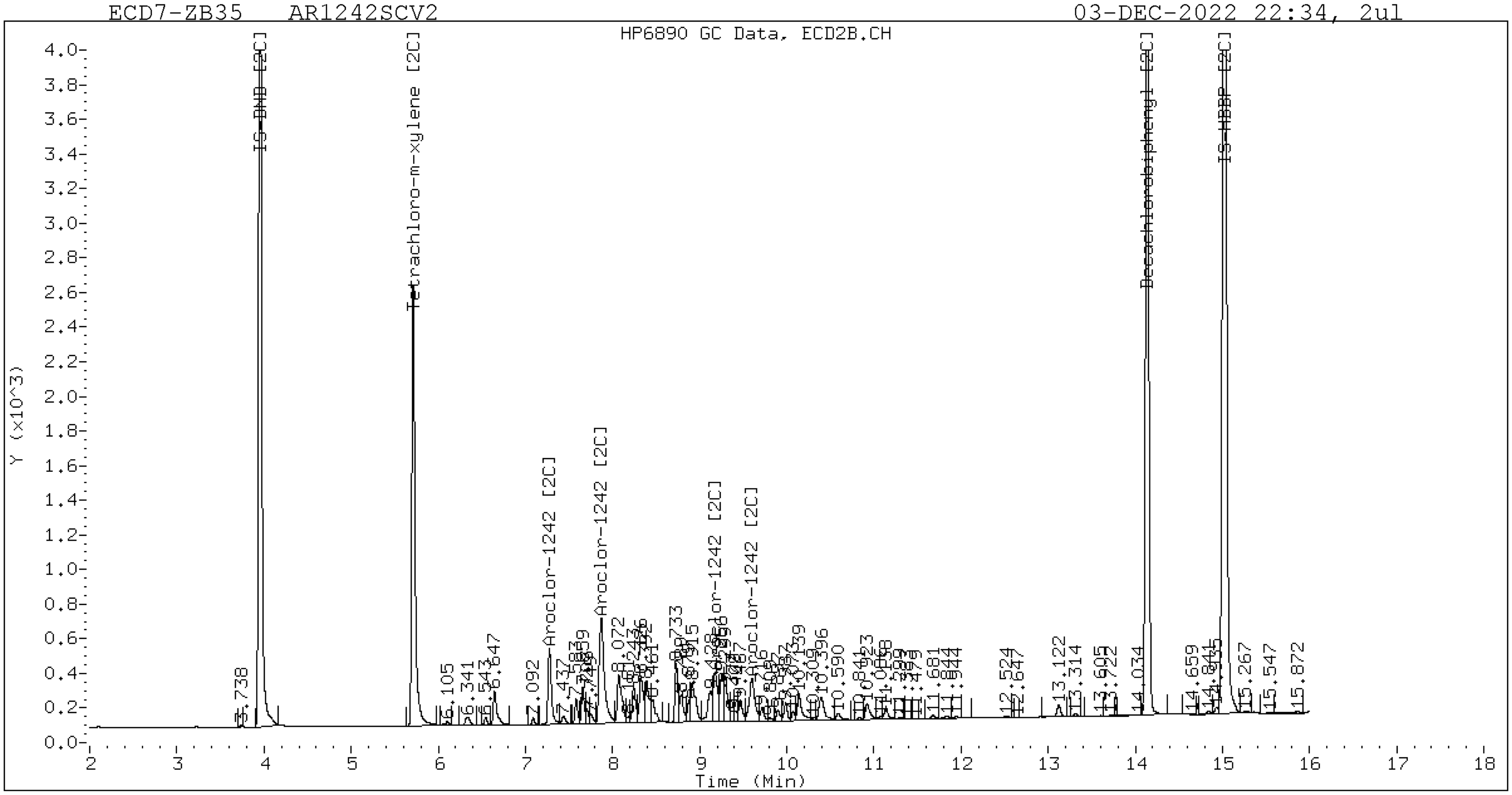
PCB Dual Column Chromatograms

ECD7-ZB5 AR1242SCV2 03-DEC-2022 22:34, 2ul



ZB-5 Manual Integration: NO

ECD7-ZB35 AR1242SCV2 03-DEC-2022 22:34, 2ul



ZB-35 Manual Integration: NO

```
                              Analytical Resources Inc.
                         Dual Column 608/8082 PCB Quantitation Report

 Data file 1: /221203.b/12032224ECD7.D                   ARI ID: AR1248SCV3
 Data file 2: /221203.b/221203.b/12032224ECD7.D          Client ID:
 Method: \\target\share\chem4\ecd7.i\221203.b\PCB.m      Injection Date: 03-DEC-2022 22:55
 Compound Sublist: AR1248.sub                               Report Date: 12/05/2022 13:28
 Instrument, Inj. Vol.: ecd7.i, 2ul                      Matrix: NONE
 Quant Method: Internal Std                              Dilution Factor:  1.0



                                 SURROGATES

        ZB5 Col          |       ZB35 Col          |   ZB5    ZB35
   RT    Shift Response | RT    Shift  Response   |  on col  on col    RPD   Compound/Flag
 ==========================================================================================

  5.837  0.000   238518 | 5.713  -0.001   130772|   34.7    35.1      1.0    Tetrachloro-m-xylene
 13.909  0.001   329816 |14.137   0.000   230748|   39.3    38.1      3.1    Decachlorobiphenyl


*  Indicates RPD > 40%



                        INTERNAL STANDARD SUMMARY

                                    Column 1
                              Standard    Sample
              Standard Cpnd       Area*       Area      %D
            -------------------------------------------------
              Bromo-Nitrobenzene    447645      484977    8.3
              Hexabromobiphenyl     798898      915518   14.6

                                    Column 2
                              Standard    Sample
              Standard Cpnd       Area*       Area      %D
            -------------------------------------------------
              Bromo-Nitrobenzene    249094     272055     9.2
              Hexabromobiphenyl     362541     426674    17.7


             * Standard Areas taken from Initial Cal Level 3
               Initial Calibration Date: 03-DEC-2022
            <- Indicates standard response outside Limits (-50 to +100%)
```

```
                             ZB5 Col                                  ZB35 Col
 Aroclor    Peak#    RT    Shift    Area    Amount    Peak#   RT     Shift    Area   Amount
 ===========================================================================================
 Aroclor-1248 1   8.427  -0.000     49184   235.9      1    8.326   0.000    25647   230.8
 Aroclor-1248 2   8.604   0.002     62884   236.2      2    8.733   0.000    26944   230.5
 Aroclor-1248 3   9.021  -0.002    117065   244.4      3    9.179   0.001    32692   229.9
 Aroclor-1248 4   9.315   0.000     62309   265.6      4    9.604   0.002    38342   229.7
       Total Col1Ave (4 peaks):   245.5       Total Col2Ave (4 peaks):   230.2   RPD = 6
       Corrected Ave (3 peaks):   238.8       Corrected Ave (3 peaks):   230.0   RPD = 4




 Total PCB Area Col1 (5.936 - 13.808) =     991353     Col1 Total PCB = 0.2 ppm*

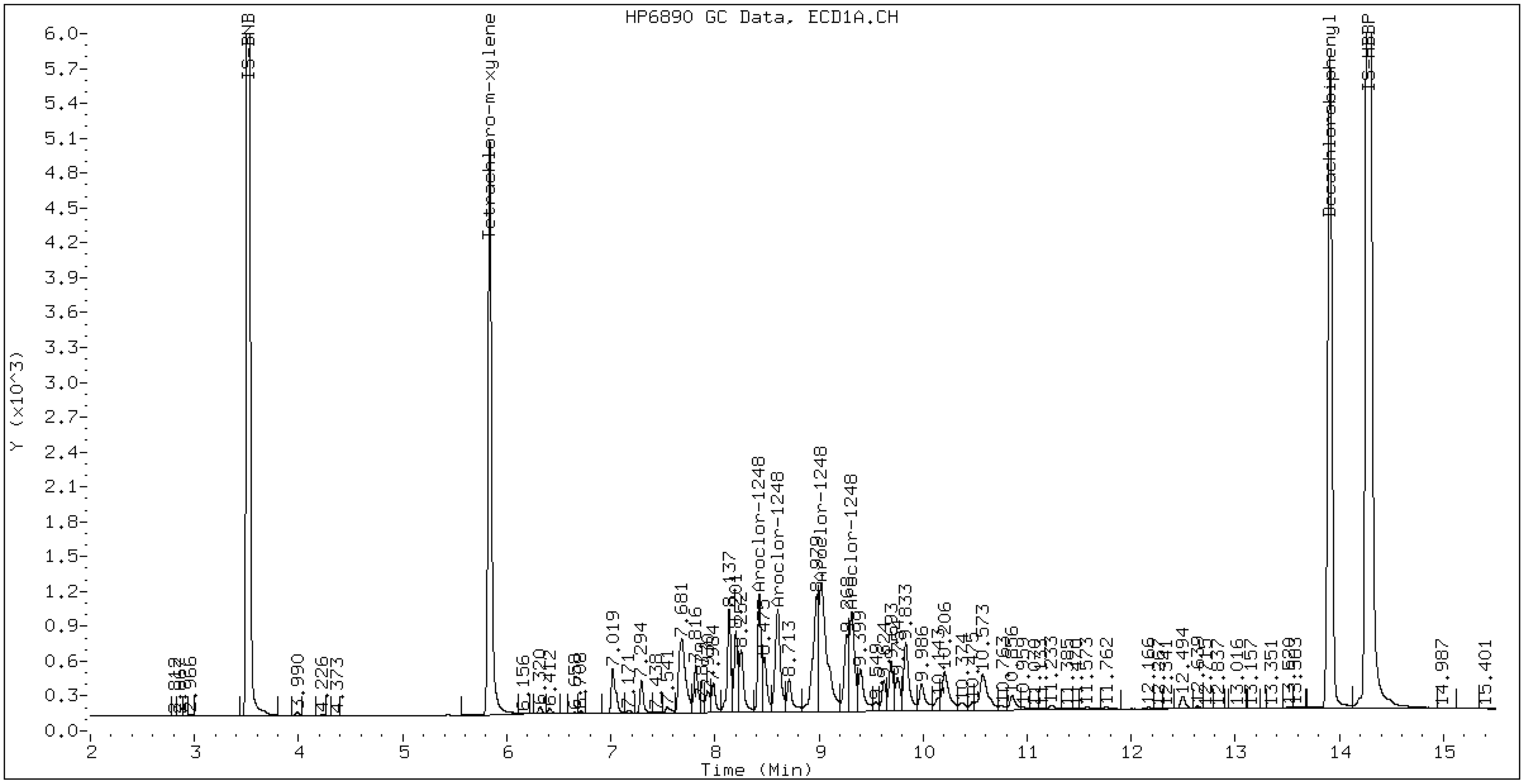
 Total PCB Area Col2 (5.936 - 13.808) =     508870     Col2 Total PCB = 0.3 ppm*

   *  Quantitated against AR1660 0.25ppm in Ical

                                        PCB-Form 10 Mod.
```

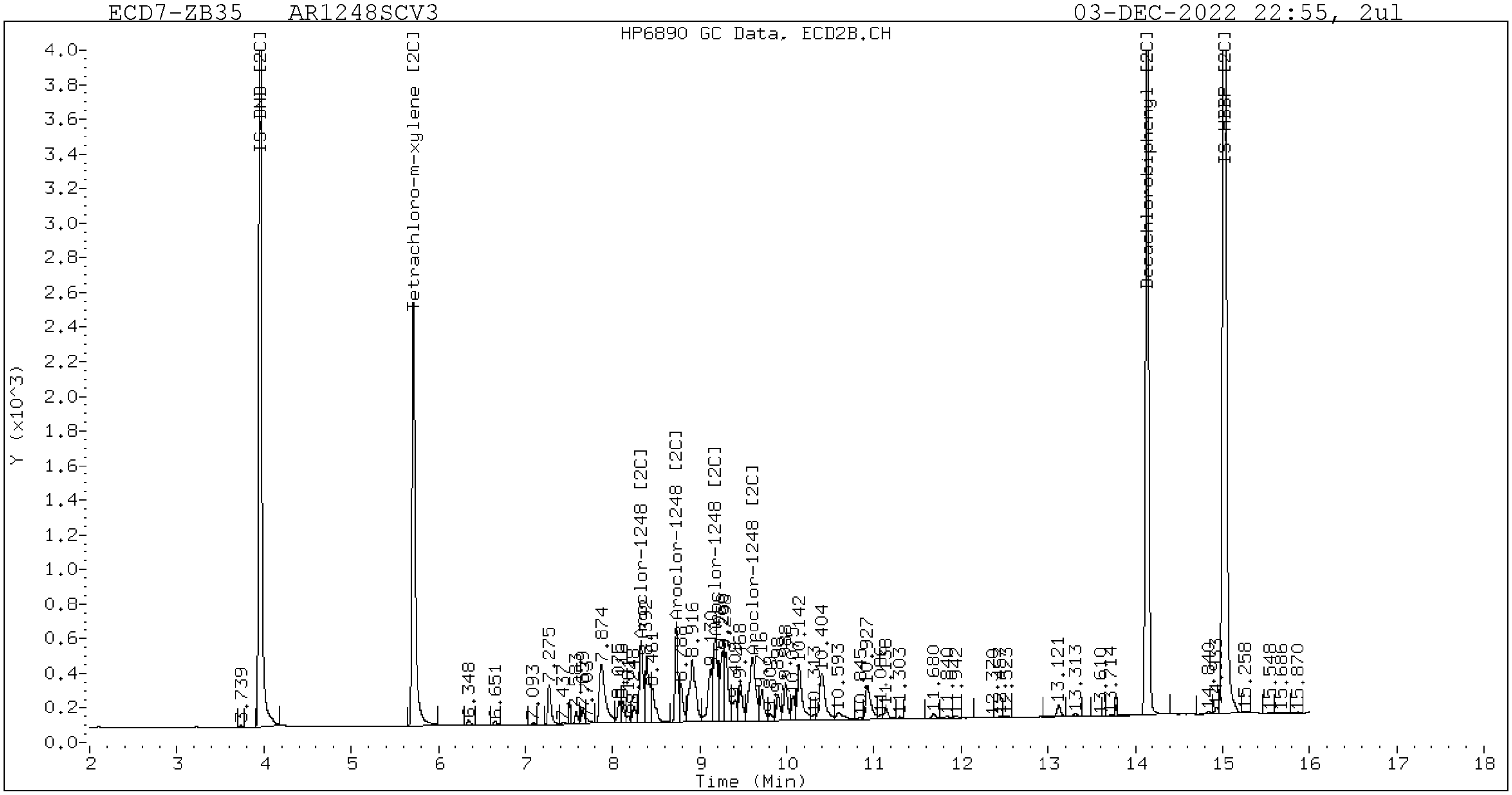
PCB Dual Column Chromatograms

ECD7-ZB5 AR1248SCV3 03-DEC-2022 22:55, 2ul



ZB-5 Manual Integration: NO

ECD7-ZB35 AR1248SCV3 03-DEC-2022 22:55, 2ul



ZB-35 Manual Integration: NO

```
                              Analytical Resources Inc.
                         Dual Column 608/8082 PCB Quantitation Report

Data file 1: /221203.b/12032225ECD7.D                        ARI ID: AR1254SCV4
Data file 2: /221203.b/221203.b/12032225ECD7.D               Client ID:
Method: \\target\share\chem4\ecd7.i\221203.b\PCB.m           Injection Date: 03-DEC-2022 23:17
Compound Sublist: AR1254.sub                                    Report Date: 12/05/2022 13:28
Instrument, Inj. Vol.: ecd7.i, 2ul                           Matrix: NONE
Quant Method: Internal Std                                   Dilution Factor:  1.0



                                 SURROGATES

       ZB5 Col          |       ZB35 Col         |   ZB5    ZB35
  RT    Shift Response | RT    Shift  Response  |  on col  on col    RPD   Compound/Flag
=========================================================================================

 5.837  0.000   243863 | 5.713  -0.000   133610|   35.5    36.0      1.4    Tetrachloro-m-xylene
13.909  0.001   332566 |14.137  -0.000   233115|   39.5    38.1      3.8    Decachlorobiphenyl


*  Indicates RPD > 40%



                            INTERNAL STANDARD SUMMARY

                                        Column 1
                                 Standard    Sample
              Standard Cpnd       Area*       Area      %D
            --------------------------------------------------
              Bromo-Nitrobenzene    447645      484642    8.3
              Hexabromobiphenyl     798898      917405   14.8

                                        Column 2
                                 Standard    Sample
              Standard Cpnd       Area*       Area      %D
            --------------------------------------------------
              Bromo-Nitrobenzene    249094     270782     8.7
              Hexabromobiphenyl     362541     431238    18.9


             * Standard Areas taken from Initial Cal Level 3
               Initial Calibration Date: 03-DEC-2022
            <- Indicates standard response outside Limits (-50 to +100%)
```

```
//target/share/chem4/ecd7.i/221203.b/12032225ECD7.D      AR1254SCV4                    page 2
                             ZB5 Col                                 ZB35 Col
 Aroclor   Peak#    RT    Shift    Area    Amount    Peak#   RT     Shift    Area   Amount
 ===========================================================================================
 Aroclor-1254 1   9.321   0.003     94448   221.3      1    9.469   0.002    39410   225.7
 Aroclor-1254 2   9.401   0.003     41171   248.1      2    9.989   0.002    31415   223.8
 Aroclor-1254 3   9.692   0.004     60946   226.1      3   10.143   0.004    66244   219.6
 Aroclor-1254 4   9.832   0.004    116490   221.7      4   10.392   0.003    70095   224.3
 Aroclor-1254 5  10.199   0.005     80050   222.3      5   10.588   0.002    39206   260.2
       Total Col1Ave (5 peaks):   227.9       Total Col2Ave (5 peaks):   230.7   RPD = 1
       Corrected Ave (4 peaks):   222.9       Corrected Ave (4 peaks):   223.4   RPD = 0



 Total PCB Area Col1 (5.936 - 13.808) =    1261470     Col1 Total PCB = 0.2 ppm*

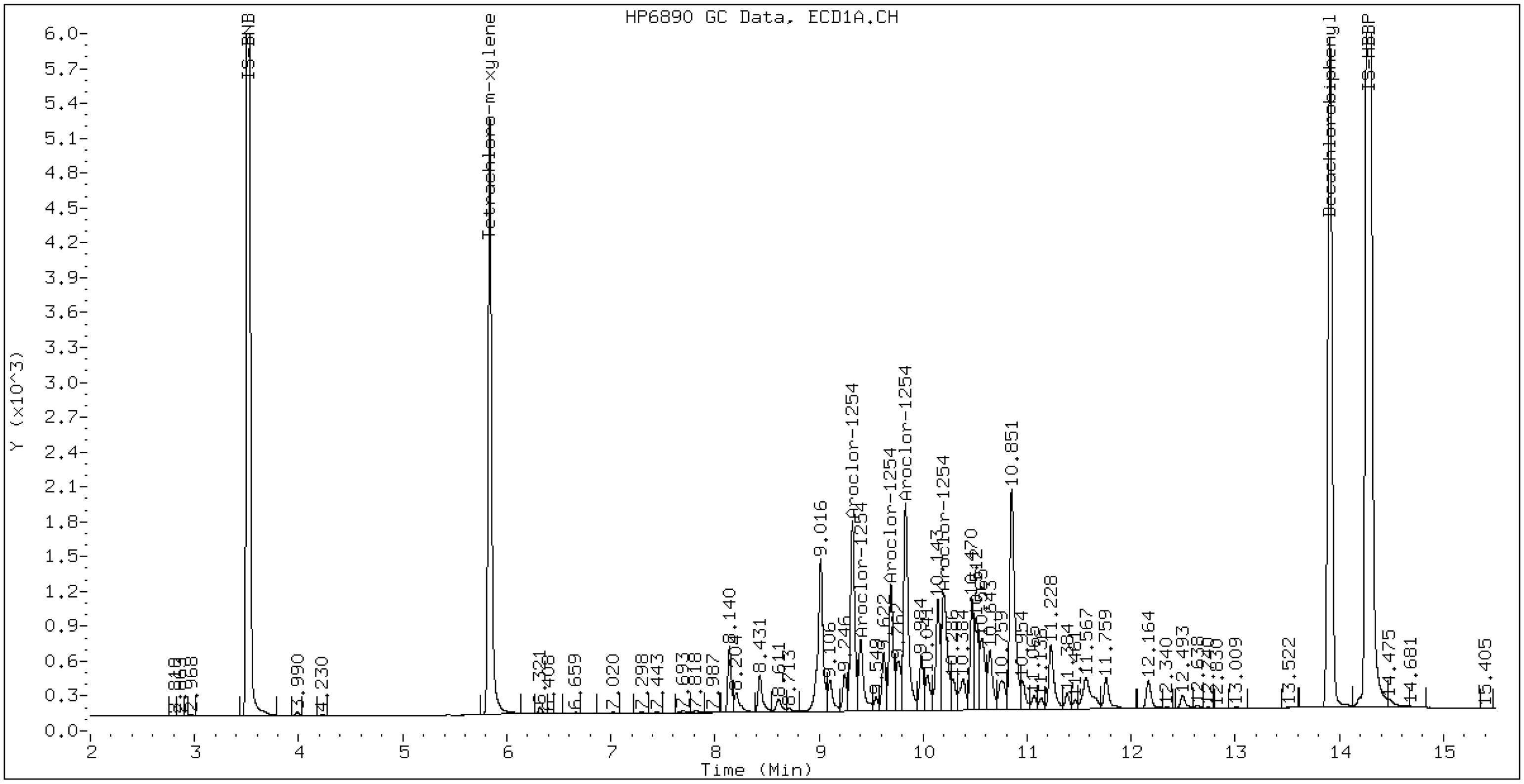
 Total PCB Area Col2 (5.936 - 13.808) =     664781     Col2 Total PCB = 0.3 ppm*


   *  Quantitated against AR1660 0.25ppm in Ical


                                        PCB-Form 10 Mod.
```

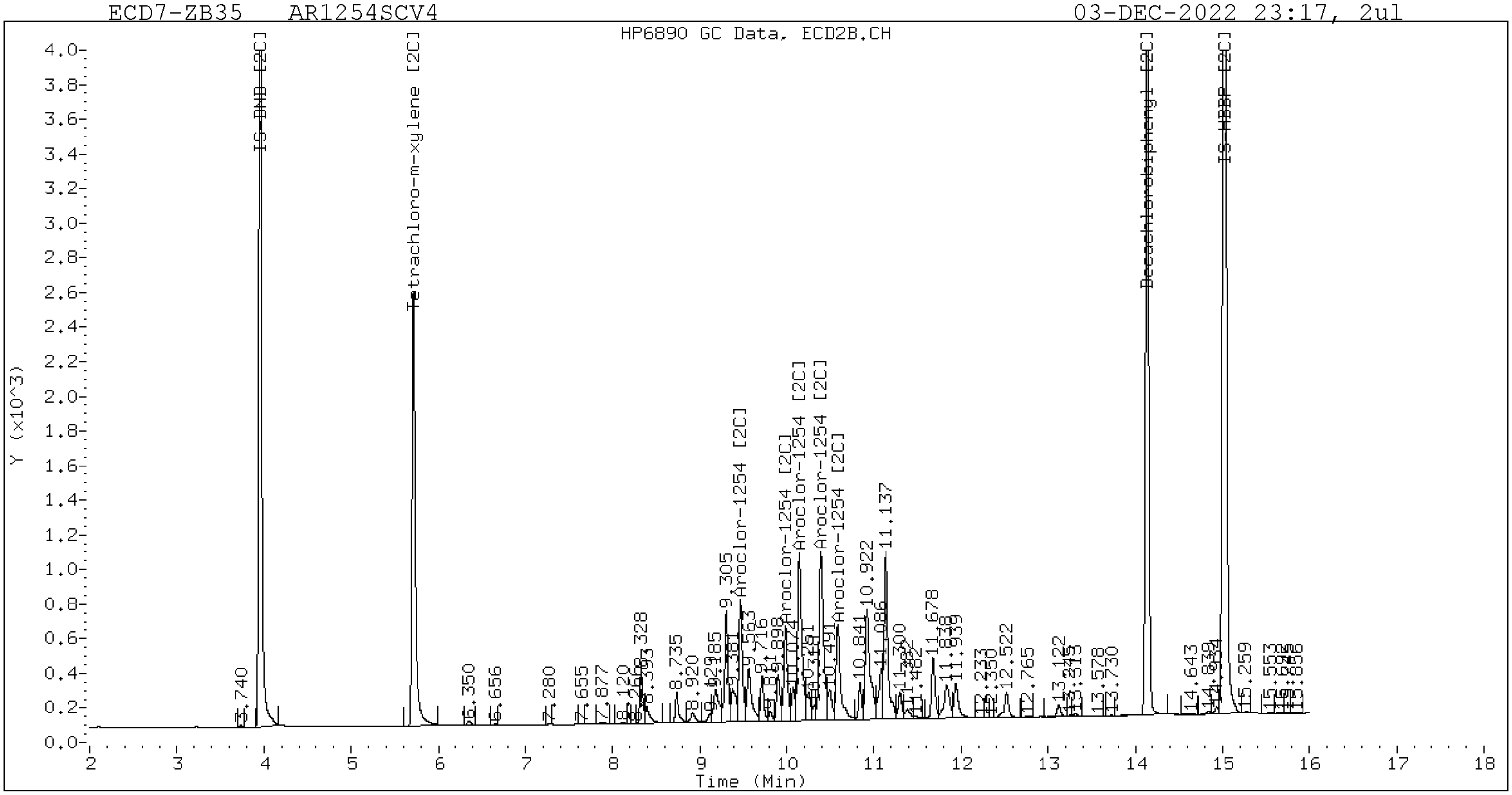
PCB Dual Column Chromatograms

ECD7-ZB5 AR1254SCV4 03-DEC-2022 23:17, 2ul



ZB-5 Manual Integration: NO

ECD7-ZB35 AR1254SCV4 03-DEC-2022 23:17, 2ul



ZB-35 Manual Integration: NO

```
                        Analytical Resources Inc.
                   Dual Column 608/8082 PCB Quantitation Report

Data file 1: /221203.b/12032226ECD7.D                ARI ID: AR2162SCV5
Data file 2: /221203.b/221203.b/12032226ECD7.D       Client ID:
Method: \\target\share\chem4\ecd7.i\221203.b\PCB.m   Injection Date: 03-DEC-2022 23:38
Compound Sublist: AR2162.sub                            Report Date: 12/05/2022 13:28
Instrument, Inj. Vol.: ecd7.i, 2ul                   Matrix: NONE
Quant Method: Internal Std                           Dilution Factor:  1.0



                                 SURROGATES

       ZB5 Col          |       ZB35 Col         |   ZB5    ZB35
  RT    Shift Response | RT    Shift  Response  |  on col  on col    RPD   Compound/Flag
============================================================================================

 5.836  0.000   246394 | 5.713  -0.000   131378|   36.1    35.7      1.1    Tetrachloro-m-xylene
13.908 -0.001   334929 |14.136  -0.001   237241|   40.0    38.4      4.0    Decachlorobiphenyl


*  Indicates RPD > 40%



                            INTERNAL STANDARD SUMMARY

                                        Column 1
                                 Standard    Sample
                  Standard Cpnd       Area*       Area      %D
              -------------------------------------------------
                Bromo-Nitrobenzene    447645      482097    7.7
                Hexabromobiphenyl     798898      913775   14.4

                                        Column 2
                                 Standard    Sample
                  Standard Cpnd       Area*       Area      %D
              -------------------------------------------------
                Bromo-Nitrobenzene    249094     268757     7.9
                Hexabromobiphenyl     362541     434790    19.9


               * Standard Areas taken from Initial Cal Level 3
                 Initial Calibration Date: 03-DEC-2022
              <- Indicates standard response outside Limits (-50 to +100%)
```

```
                            ZB5 Col                                ZB35 Col
 Aroclor    Peak#    RT    Shift    Area    Amount    Peak#   RT     Shift    Area   Amount
 ========================================================================================
 Aroclor-1221 1   4.761   0.001      9579   240.4      1    4.988   0.001     5527   243.7
 Aroclor-1221 2   6.159   0.001     16402   233.6      2    6.323   0.001    10041   232.3
 Aroclor-1221 3   6.410   0.001     38315   236.6      3    6.646   0.001    16814   231.1
       Total Col1Ave (3 peaks):   236.8       Total Col2Ave (3 peaks):   235.7   RPD = 0
       Corrected Ave: < 3 Peaks                      Corrected Ave: < 3 Peaks

 Aroclor-1262 1  10.845  -0.003    145305   475.5      1   11.216  -0.001   152840   462.3
 Aroclor-1262 2  12.261  -0.001    222795   469.0      2   11.668  -0.002   131097   457.9
 Aroclor-1262 3  12.336  -0.001    238475   470.0      3   12.449  -0.002   148386   469.8
 Aroclor-1262 4  13.004  -0.001    188009   461.7      4   12.518  -0.001   231081   467.1
       Total Col1Ave (4 peaks):   469.1       Total Col2Ave (4 peaks):   464.3   RPD = 1
       Corrected Ave (3 peaks):   466.9       Corrected Ave (3 peaks):   462.4   RPD = 1




 Total PCB Area Col1 (5.936 - 13.808) =    3654831     Col1 Total PCB = 0.7 ppm*

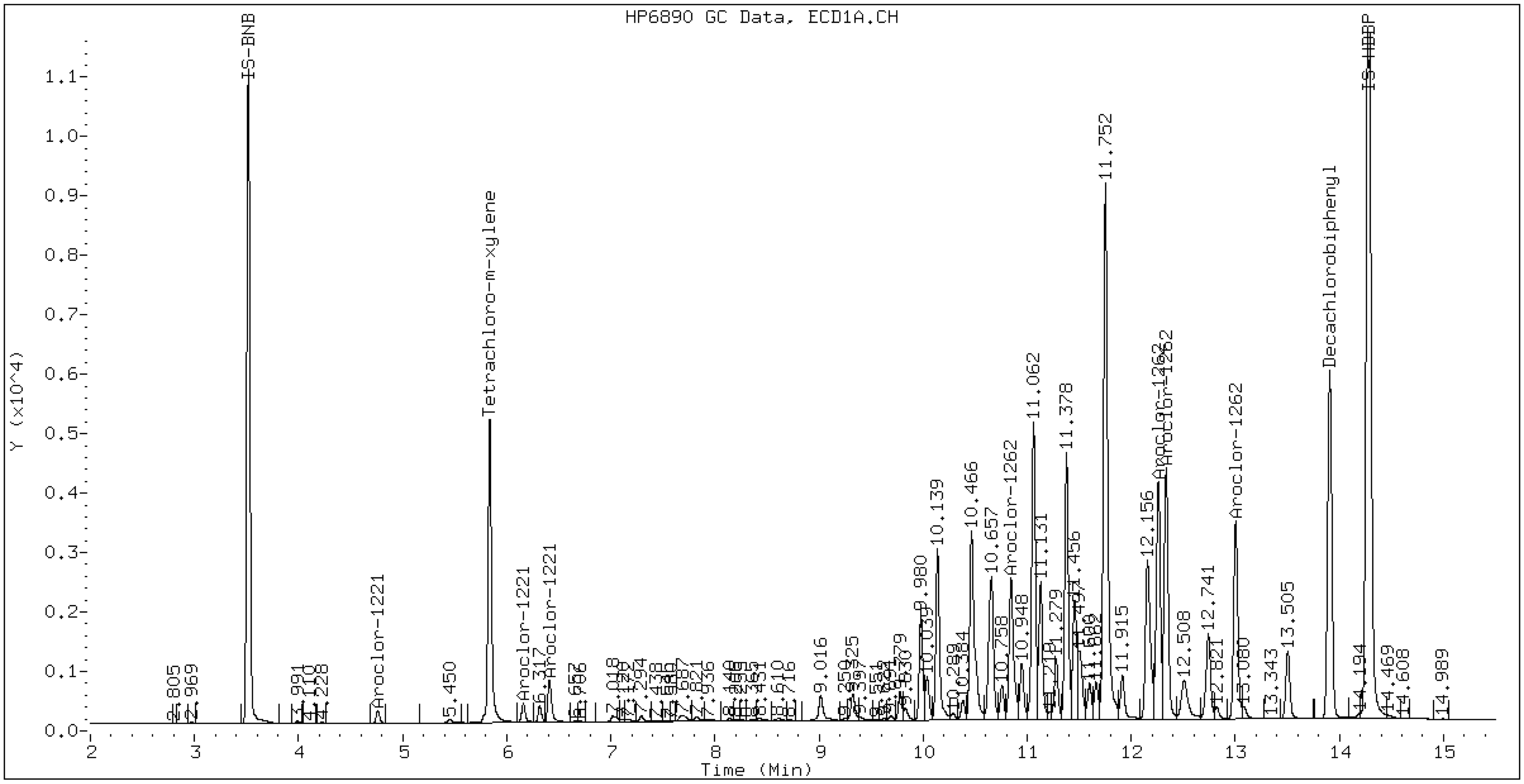
 Total PCB Area Col2 (5.936 - 13.808) =    2063978     Col2 Total PCB = 1.1 ppm*

   *  Quantitated against AR1660 0.25ppm in Ical

                                        PCB-Form 10 Mod.
```

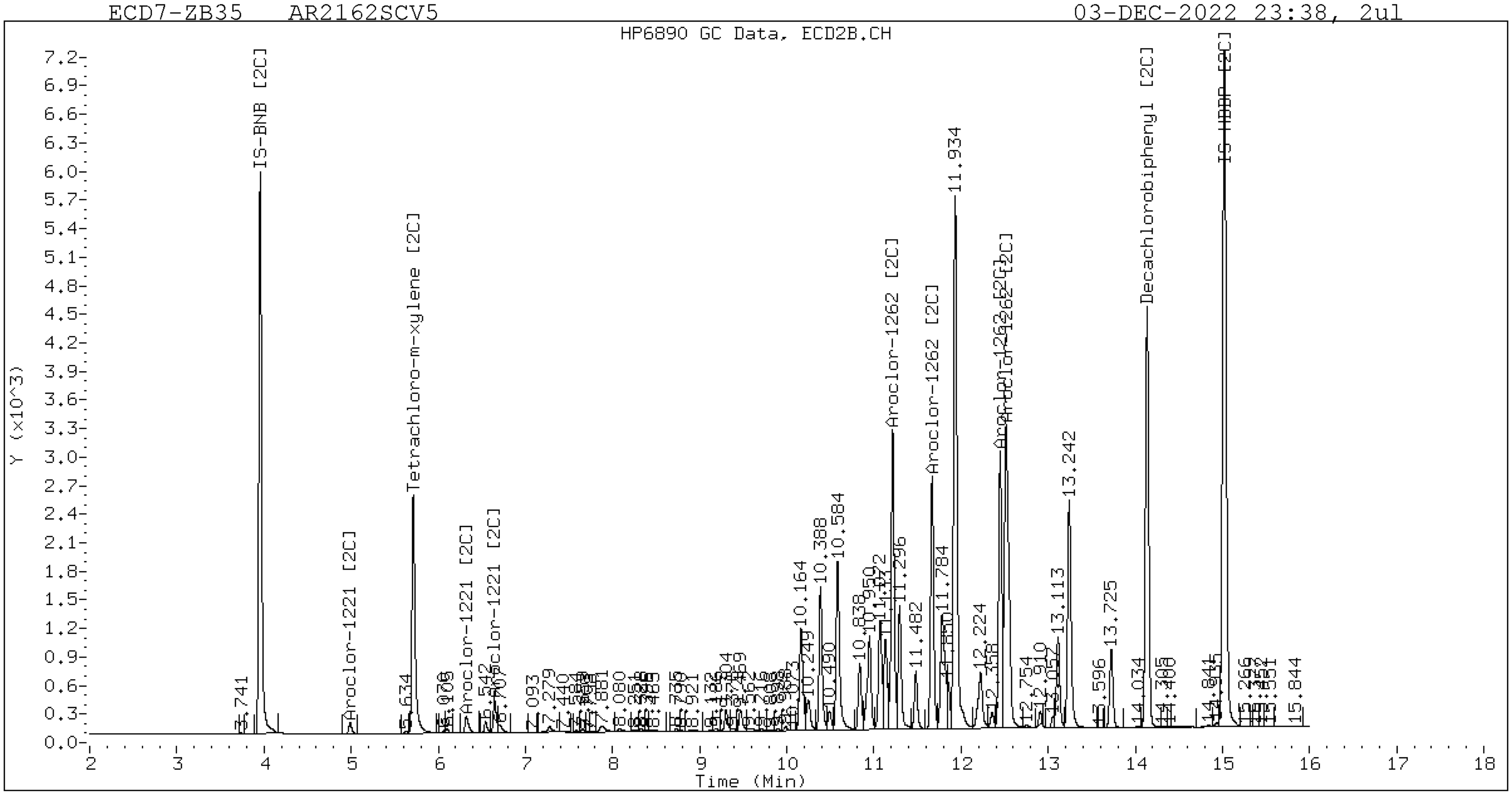
PCB Dual Column Chromatograms

ECD7-ZB5 AR2162SCV5 03-DEC-2022 23:38, 2ul



ZB-5 Manual Integration: NO

ECD7-ZB35 AR2162SCV5 03-DEC-2022 23:38, 2ul



ZB-35 Manual Integration: NO

```
                                 Analytical Resources Inc.
                            Dual Column 608/8082 PCB Quantitation Report

Data file 1: /221203.b/12032227ECD7.D                        ARI ID: AR3268SCV6
Data file 2: /221203.b/221203.b/12032227ECD7.D               Client ID:
Method: \\target\share\chem4\ecd7.i\221203.b\PCB.m           Injection Date: 03-DEC-2022 23:59
Compound Sublist: AR3268.sub                                    Report Date: 12/05/2022 13:28
Instrument, Inj. Vol.: ecd7.i, 2ul                           Matrix: NONE
Quant Method: Internal Std                                   Dilution Factor:  1.0



                                   SURROGATES

       ZB5 Col         |       ZB35 Col         |   ZB5    ZB35
  RT    Shift Response | RT    Shift  Response  |  on col  on col    RPD   Compound/Flag
=========================================================================================

 5.834 -0.002   236120 | 5.711  -0.002   126782|   34.5    34.2      0.7    Tetrachloro-m-xylene
13.907 -0.002   474236 |14.136  -0.001   339687|   56.2    54.9      2.3    Decachlorobiphenyl


*  Indicates RPD > 40%




                              INTERNAL STANDARD SUMMARY

                                          Column 1
                                   Standard    Sample
                 Standard Cpnd       Area*       Area      %D
               -------------------------------------------------
                 Bromo-Nitrobenzene    447645      483276    8.0
                 Hexabromobiphenyl     798898      920878   15.3

                                          Column 2
                                   Standard    Sample
                 Standard Cpnd       Area*       Area      %D
               -------------------------------------------------
                 Bromo-Nitrobenzene    249094     270175     8.5
                 Hexabromobiphenyl     362541     435731    20.2


                * Standard Areas taken from Initial Cal Level 3
                  Initial Calibration Date: 03-DEC-2022
               <- Indicates standard response outside Limits (-50 to +100%)
```

```
//target/share/chem4/ecd7.i/221203.b/12032227ECD7.D      AR3268SCV6                      page 2
                               ZB5 Col                               ZB35 Col
 Aroclor    Peak#    RT    Shift    Area    Amount    Peak#   RT     Shift    Area   Amount
 ========================================================================================
 Aroclor-1232 1   4.758  -0.003      5334   221.8      1    4.986  -0.004     3031   230.7
 Aroclor-1232 2   6.158  -0.002      9882   194.6      2    7.276  -0.001    14982   223.3
 Aroclor-1232 3   7.684   0.000     51409   225.4      3    7.875  -0.001    29992   228.7
 Aroclor-1232 4   8.607   0.001     21710   224.4      4    8.734   0.000     8467   238.1
       Total Col1Ave (4 peaks):   216.5       Total Col2Ave (4 peaks):   230.2   RPD = 6
       Corrected Ave (3 peaks):   213.6       Corrected Ave (3 peaks):   227.6   RPD = 6

 Aroclor-1268 1  12.262  -0.000    296463   230.1      1   12.449  -0.000   189354   230.2
 Aroclor-1268 2  12.336   0.001    294353   233.5      2   12.517   0.000   196449   232.9
 Aroclor-1268 3  12.715  -0.001    238693   231.1      3   12.909  -0.001    66881   213.9
 Aroclor-1268 4  13.506   0.001    725881   230.1      4   13.725  -0.001   525890   233.7
       Total Col1Ave (4 peaks):   231.2       Total Col2Ave (4 peaks):   227.7   RPD = 2
       Corrected Ave (3 peaks):   230.4       Corrected Ave (3 peaks):   225.7   RPD = 2




 Total PCB Area Col1 (5.936 - 13.808) =    2353838     Col1 Total PCB = 0.4 ppm*

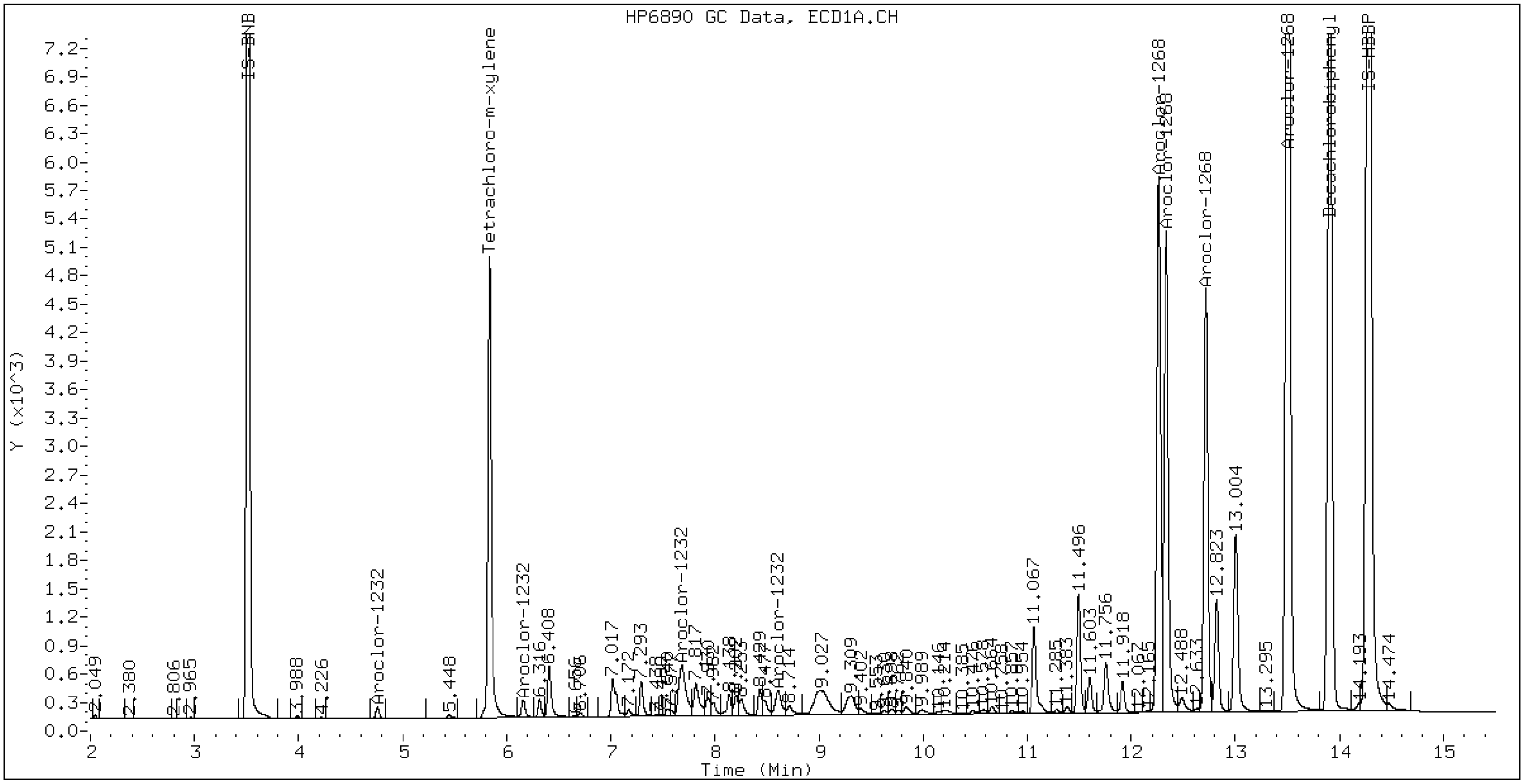
 Total PCB Area Col2 (5.936 - 13.808) =    1423323     Col2 Total PCB = 0.7 ppm*

   *  Quantitated against AR1660 0.25ppm in Ical

                                    PCB-Form 10 Mod.
```

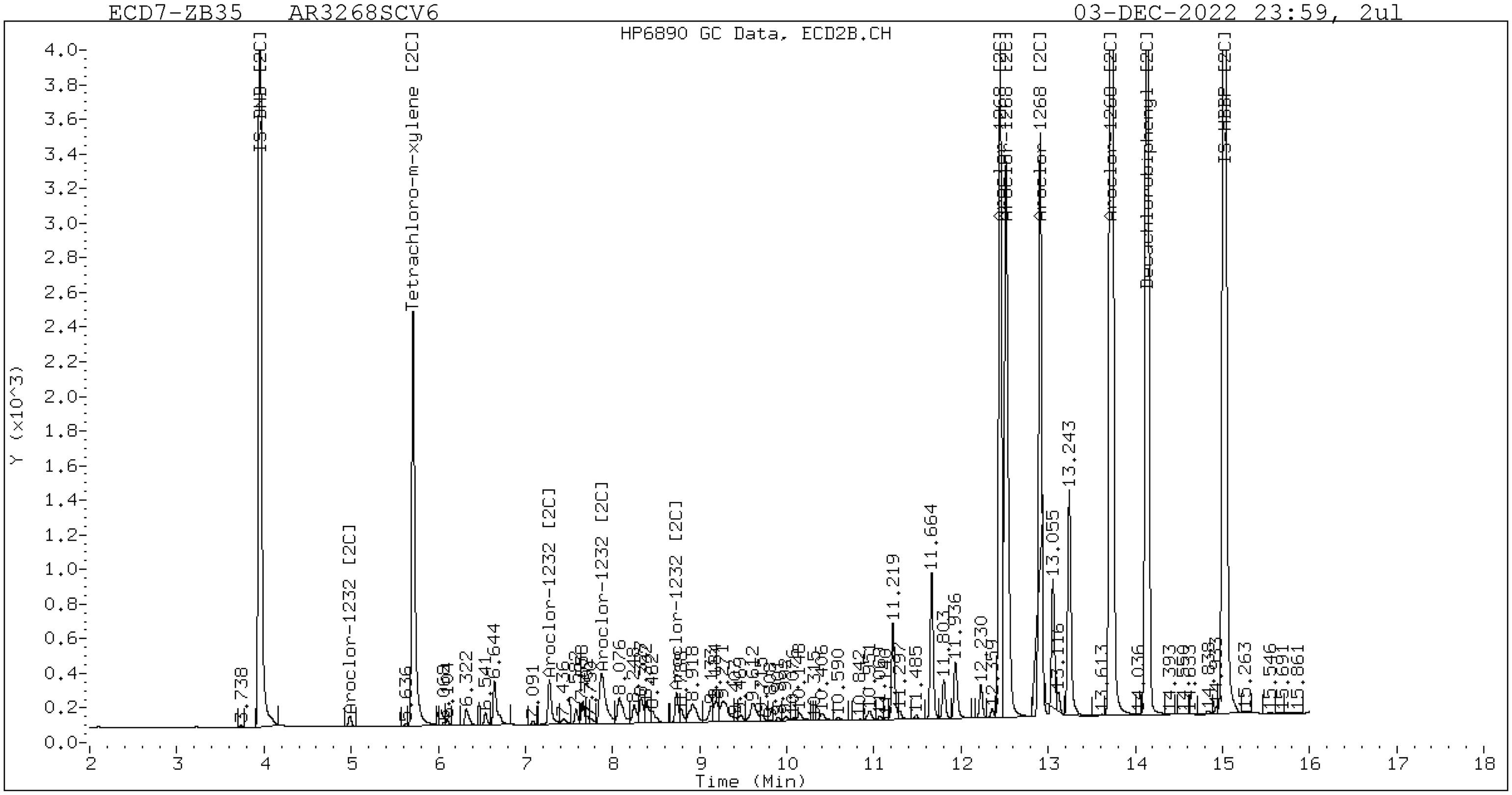
PCB Dual Column Chromatograms

ECD7-ZB5 AR3268SCV6 03-DEC-2022 23:59, 2ul



ZB-5 Manual Integration: NO

ECD7-ZB35 AR3268SCV6 03-DEC-2022 23:59, 2ul



ZB-35 Manual Integration: NO

Analytical Resources, LLC
Analytical Chemists and Consultants

SECOND-SOURCE CALIBRATION VERIFICATION

EPA 8082A

Laboratory: Analytical Resources, LLC

Client: Anchor QEA, LLC

Calibration: FL00010

Sequence: SKL0048

SDG: 22L0307

Project: AOC4 UR Phase 3

Laboratory ID: SKL0048-SCV1

Sequence Name: AR1660SCV1

Standard ID: K007655

ANALYTE	EXPECTED (ug/L)	FOUND (ug/L)	% DRIFT	QC LIMIT
Aroclor 1016	250.00	223	-10.7	20.00
Aroclor 1016 [2C]	250.00	216	-13.5	20.00
Aroclor 1260	250.00	285	14.1	20.00
Aroclor 1260 [2C]	250.00	263	5.1	20.00
Decachlorobiphenyl	40.000	39.8	-0.5	20.00
Tetrachlorometaxylene	40.000	36.1	-9.7	20.00
Decachlorobiphenyl [2C]	40.000	38.2	-4.6	20.00
Tetrachlorometaxylene [2C]	40.000	36.1	-9.8	20.00

* Indicates values outside of QC limits
[2C] indicates second-column analyte.

```
                              Analytical Resources Inc.
                         Dual Column 608/8082 PCB Quantitation Report

Data file 1: /221203.b/12032222ECD7.D                        ARI ID: AR1660SCV1
Data file 2: /221203.b/221203.b/12032222ECD7.D               Client ID:
Method: \\target\share\chem4\ecd7.i\221203.b\PCB.m           Injection Date: 03-DEC-2022 22:13
Compound Sublist: AR1660.sub                                    Report Date: 12/05/2022 13:28
Instrument, Inj. Vol.: ecd7.i, 2ul                           Matrix: NONE
Quant Method: Internal Std                                   Dilution Factor:  1.0



                                  SURROGATES

       ZB5 Col         |       ZB35 Col         |   ZB5    ZB35
  RT    Shift Response | RT    Shift  Response  |  on col  on col    RPD   Compound/Flag
=========================================================================================

 5.837  0.000   247495 | 5.714   0.000   133904|   36.1    36.1      0.2    Tetrachloro-m-xylene
13.909  0.001   325466 |14.137   0.000   234467|   39.8    38.2      4.2    Decachlorobiphenyl


*  Indicates RPD > 40%



                             INTERNAL STANDARD SUMMARY

                                         Column 1
                                  Standard    Sample
                 Standard Cpnd      Area*       Area      %D
              --------------------------------------------------
                Bromo-Nitrobenzene    447645      483506    8.0
                Hexabromobiphenyl     798898      892033   11.7

                                         Column 2
                                  Standard    Sample
                 Standard Cpnd      Area*       Area      %D
              --------------------------------------------------
                Bromo-Nitrobenzene    249094     270882     8.7
                Hexabromobiphenyl     362541     432562    19.3


               * Standard Areas taken from Initial Cal Level 3
                 Initial Calibration Date: 03-DEC-2022
              <- Indicates standard response outside Limits (-50 to +100%)
```

```
//target/share/chem4/ecd7.i/221203.b/12032222ECD7.D      AR1660SCV1                     page 2
                            ZB5 Col                                ZB35 Col
 Aroclor   Peak#    RT    Shift    Area    Amount    Peak#   RT     Shift    Area   Amount
 =======================================================================================
 Aroclor-1016 1   7.293   0.001     36100   223.8      1    7.277   0.002    30155   217.7
 Aroclor-1016 2   7.681   0.007    113995   218.9      2    7.875   0.004    64468   215.8
 Aroclor-1016 3   7.815   0.004     53043   224.8      3    8.074   0.004    27130   211.5
 Aroclor-1016 4   8.428   0.004     33958   225.7      4    8.245   0.004    14848   220.1
       Total Col1Ave (4 peaks):   223.3       Total Col2Ave (4 peaks):   216.3   RPD = 3
       Corrected Ave (3 peaks):   222.5       Corrected Ave (3 peaks):   215.0   RPD = 3

 Aroclor-1260 1  11.063   0.001     93173   286.9      1   11.671   0.002    56796   248.7
 Aroclor-1260 2  11.380   0.003     95530   284.5      2   11.935   0.002   153247   267.5
 Aroclor-1260 3  11.754   0.004    250548   283.9      3   12.452   0.001    41316   270.8
 Aroclor-1260 4  12.159   0.005    120399   267.9      4   12.519   0.003   100704   263.7
 Aroclor-1260 5  12.263   0.003     55639   302.5      NS    ---                     ----
       Total Col1Ave (5 peaks):   285.1       Total Col2Ave (4 peaks):   262.7   RPD = 8
       Corrected Ave (4 peaks):   280.8       Corrected Ave (3 peaks):   260.0   RPD = 8




 Total PCB Area Col1 (5.936 - 13.808) =    2318083     Col1 Total PCB = 0.4 ppm*

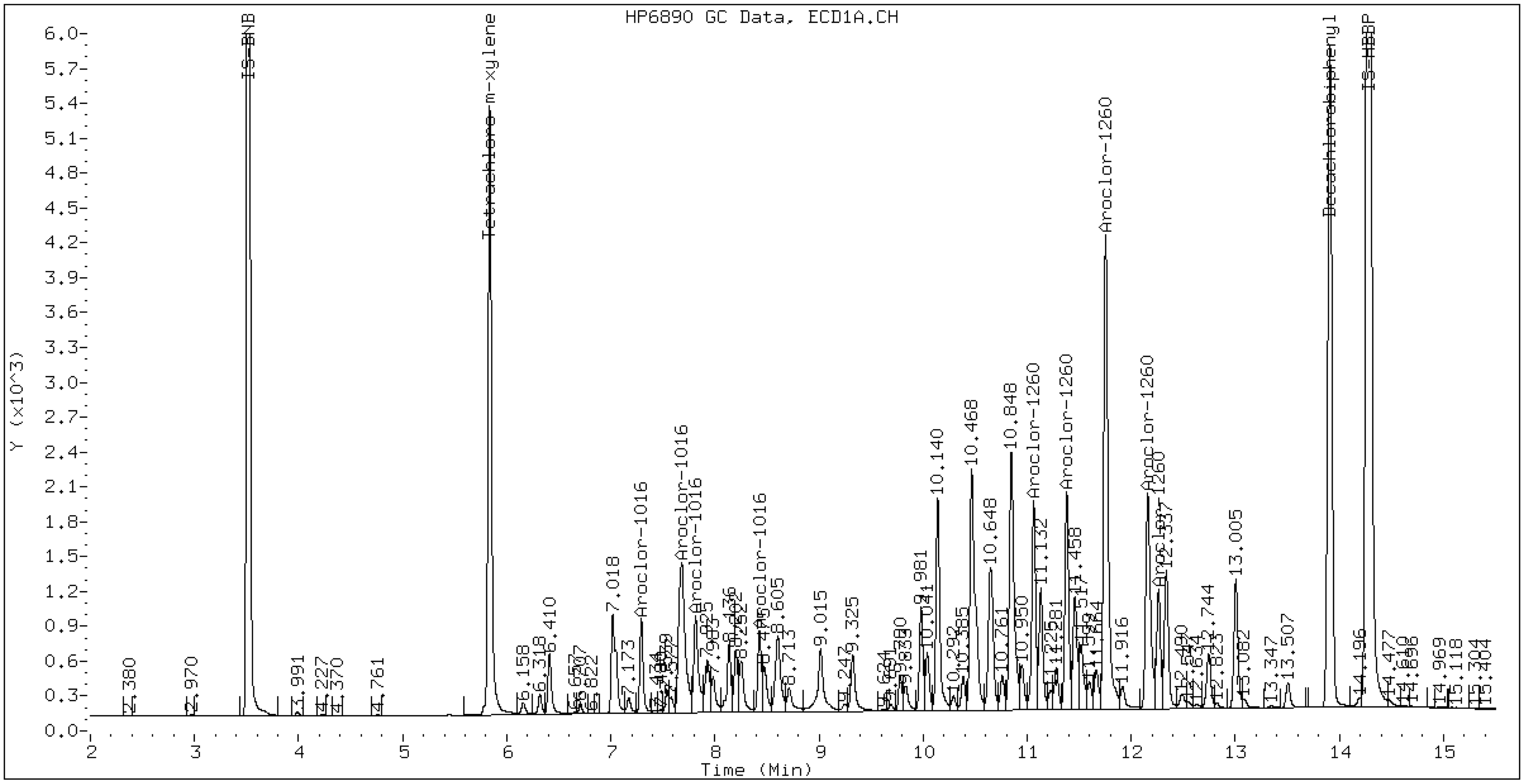
 Total PCB Area Col2 (5.936 - 13.808) =    1275603     Col2 Total PCB = 0.7 ppm*


   *  Quantitated against AR1660 0.25ppm in Ical

                                    PCB-Form 10 Mod.
```

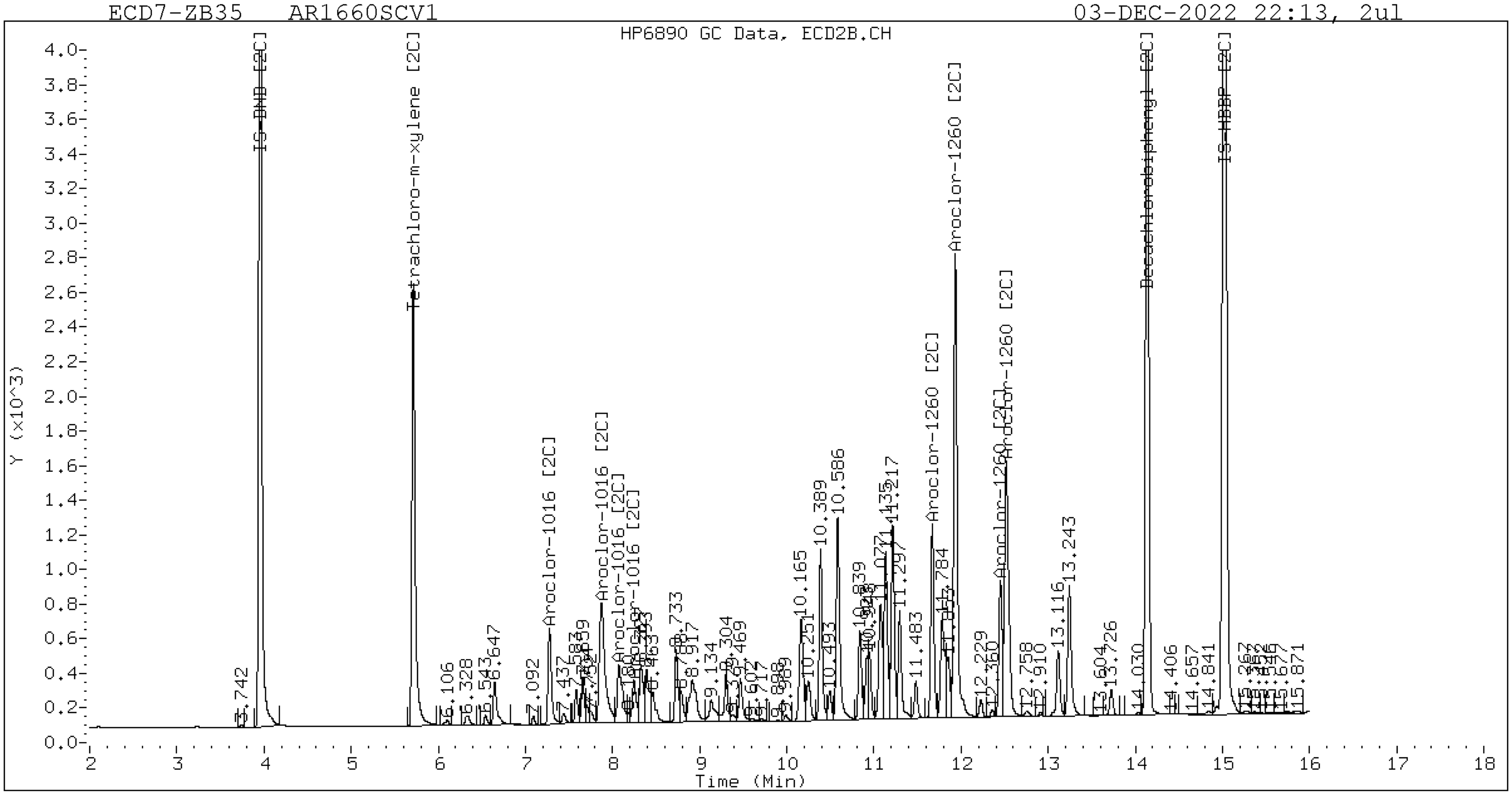
PCB Dual Column Chromatograms

ECD7-ZB5 AR1660SCV1 03-DEC-2022 22:13, 2ul



ZB-5 Manual Integration: NO

ECD7-ZB35 AR1660SCV1 03-DEC-2022 22:13, 2ul



ZB-35 Manual Integration: NO

SECOND-SOURCE CALIBRATION VERIFICATION

EPA 8082A

Laboratory:	Analytical Resources, LLC	**SDG:**	22L0307
Client:	Anchor QEA, LLC	**Project:**	AOC4 UR Phase 3
Calibration:	FL00010	**Laboratory ID:**	SKL0048-SCV2
Sequence:	SKL0048	**Sequence Name:**	AR1242SCV2
		Standard ID:	K007656

ANALYTE	EXPECTED (ug/L)	FOUND (ug/L)	% DRIFT	QC LIMIT
Aroclor 1242	250.00	207	-17.3	20.00
Aroclor 1242 [2C]	250.00	225	-10.0	20.00
Decachlorobiphenyl	40.000	39.1	-2.1	20.00
Tetrachlorometaxylene	40.000	35.6	-11.1	20.00
Decachlorobiphenyl [2C]	40.000	38.0	-5.0	20.00
Tetrachlorometaxylene [2C]	40.000	35.8	-10.5	20.00

* Indicates values outside of QC limits
[2C] indicates second-column analyte.

```
                                 Analytical Resources Inc.
                            Dual Column 608/8082 PCB Quantitation Report

 Data file 1: /221203.b/12032223ECD7.D                    ARI ID: AR1242SCV2
 Data file 2: /221203.b/221203.b/12032223ECD7.D           Client ID:
 Method: \\target\share\chem4\ecd7.i\221203.b\PCB.m       Injection Date: 03-DEC-2022 22:34
 Compound Sublist: AR1242.sub                                Report Date: 12/05/2022 13:28
 Instrument, Inj. Vol.: ecd7.i, 2ul                       Matrix: NONE
 Quant Method: Internal Std                               Dilution Factor:  1.0



                                    SURROGATES

        ZB5 Col         |       ZB35 Col         |   ZB5    ZB35
   RT    Shift Response | RT    Shift  Response  |  on col  on col    RPD   Compound/Flag
 ==========================================================================================

  5.836 -0.000   242356 | 5.713  -0.001   132586|   35.6    35.8      0.7    Tetrachloro-m-xylene
 13.909  0.001   321690 |14.136  -0.001   228130|   39.1    38.0      2.9    Decachlorobiphenyl


*  Indicates RPD > 40%



                               INTERNAL STANDARD SUMMARY

                                           Column 1
                                    Standard    Sample
                   Standard Cpnd       Area*       Area      %D
               ------------------------------------------------
                 Bromo-Nitrobenzene    447645      480791    7.4
                 Hexabromobiphenyl     798898      896515   12.2

                                           Column 2
                                    Standard    Sample
                   Standard Cpnd       Area*       Area      %D
               ------------------------------------------------
                 Bromo-Nitrobenzene    249094     270117     8.4
                 Hexabromobiphenyl     362541     422729    16.6


                * Standard Areas taken from Initial Cal Level 3
                  Initial Calibration Date: 03-DEC-2022
               <- Indicates standard response outside Limits (-50 to +100%)
```

```
                             ZB5 Col                                 ZB35 Col
 Aroclor   Peak#    RT    Shift    Area    Amount    Peak#   RT     Shift    Area   Amount
 =========================================================================================
 Aroclor-1242 1   7.294   0.000     26316   193.1      1    7.277  -0.001    23973   209.7
 Aroclor-1242 2   7.677  -0.003     89703   207.3      2    7.873  -0.002    50204   206.9
 Aroclor-1242 3   8.427   0.000     26786   215.2      3    9.176  -0.002    19686   251.4
 Aroclor-1242 4   9.025  -0.005     54647   211.4      4    9.599  -0.006    21874   232.4
       Total Col1Ave (4 peaks):   206.7       Total Col2Ave (4 peaks):   225.1   RPD = 9
       Corrected Ave (3 peaks):   203.9       Corrected Ave (3 peaks):   216.3   RPD = 6




 Total PCB Area Col1 (5.936 - 13.808) =     731052     Col1 Total PCB = 0.1 ppm*

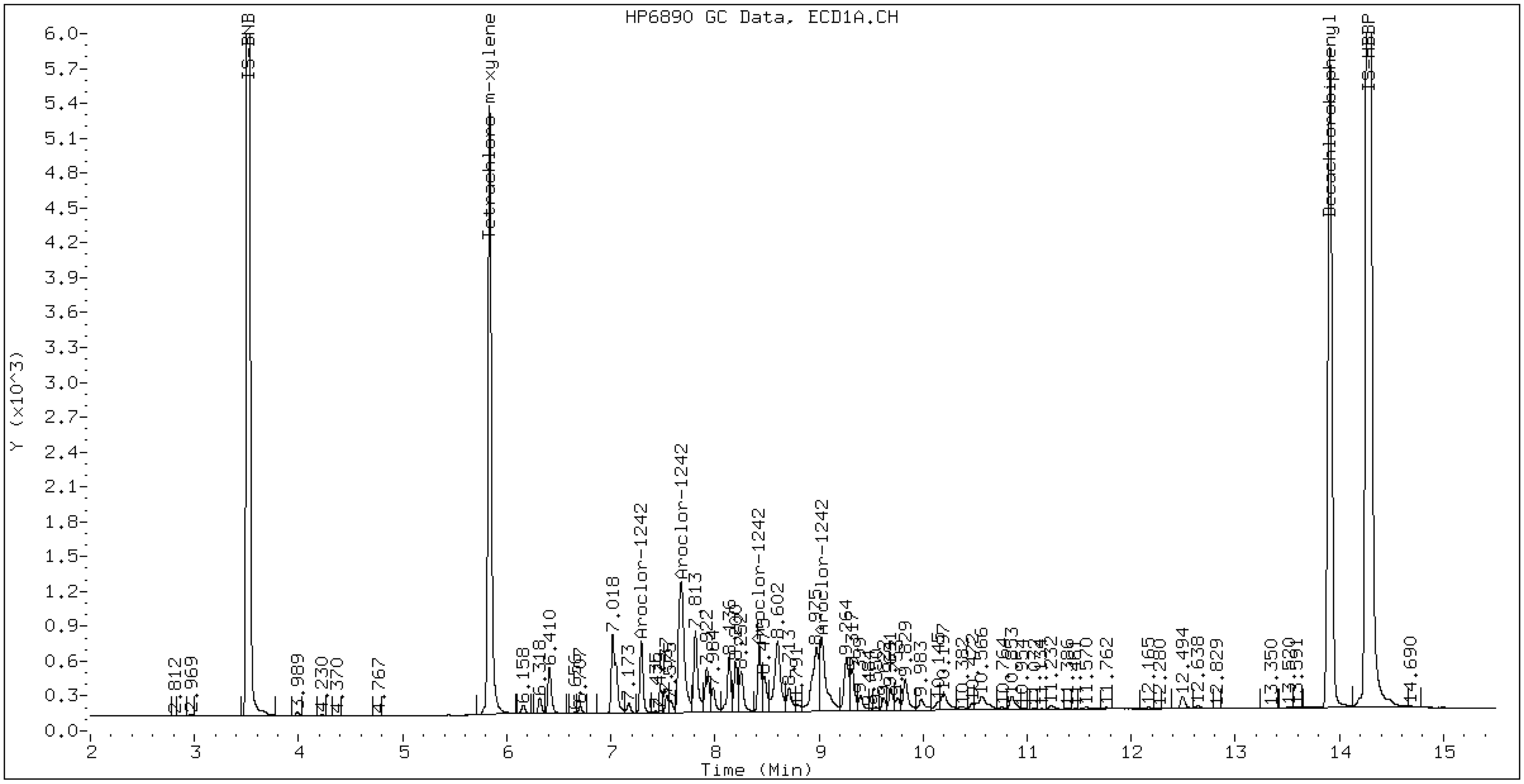
 Total PCB Area Col2 (5.936 - 13.808) =     398143     Col2 Total PCB = 0.2 ppm*

   *  Quantitated against AR1660 0.25ppm in Ical

                                       PCB-Form 10 Mod.
```

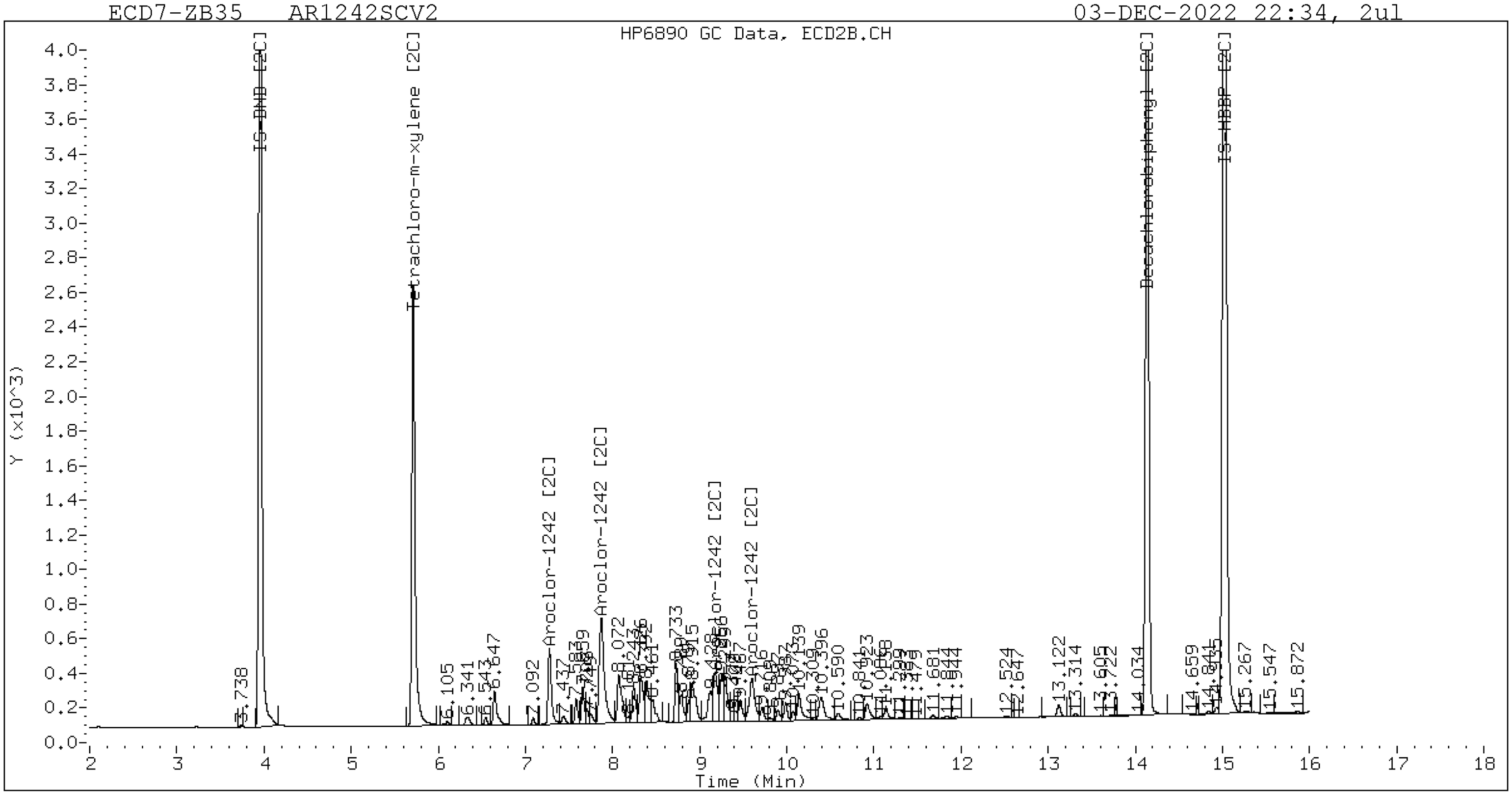
PCB Dual Column Chromatograms

ECD7-ZB5 AR1242SCV2 03-DEC-2022 22:34, 2ul



ZB-5 Manual Integration: NO

ECD7-ZB35 AR1242SCV2 03-DEC-2022 22:34, 2ul



ZB-35 Manual Integration: NO

SECOND-SOURCE CALIBRATION VERIFICATION

EPA 8082A

Laboratory: Analytical Resources, LLC

Client: Anchor QEA, LLC

Calibration: FL00010

Sequence: SKL0048

SDG: 22L0307

Project: AOC4 UR Phase 3

Laboratory ID: SKL0048-SCV3

Sequence Name: AR1248SCV3

Standard ID: K007657

ANALYTE	EXPECTED (ug/L)	FOUND (ug/L)	% DRIFT	QC LIMIT
Aroclor 1248	250.00	246	-1.8	20.00
Aroclor 1248 [2C]	250.00	230	-7.9	20.00
Decachlorobiphenyl	40.000	39.3	-1.7	20.00
Tetrachlorometaxylene	40.000	34.7	-13.2	20.00
Decachlorobiphenyl [2C]	40.000	38.1	-4.8	20.00
Tetrachlorometaxylene [2C]	40.000	35.1	-12.3	20.00

* Indicates values outside of QC limits
[2C] indicates second-column analyte.

```
                           Analytical Resources Inc.
                      Dual Column 608/8082 PCB Quantitation Report

Data file 1: /221203.b/12032224ECD7.D                    ARI ID: AR1248SCV3
Data file 2: /221203.b/221203.b/12032224ECD7.D           Client ID:
Method: \\target\share\chem4\ecd7.i\221203.b\PCB.m       Injection Date: 03-DEC-2022 22:55
Compound Sublist: AR1248.sub                                Report Date: 12/05/2022 13:28
Instrument, Inj. Vol.: ecd7.i, 2ul                       Matrix: NONE
Quant Method: Internal Std                               Dilution Factor:  1.0



                                 SURROGATES

       ZB5 Col          |       ZB35 Col         |   ZB5    ZB35
  RT    Shift Response | RT    Shift  Response  |  on col  on col    RPD   Compound/Flag
=========================================================================================

 5.837  0.000   238518 | 5.713  -0.001   130772|   34.7    35.1      1.0    Tetrachloro-m-xylene
13.909  0.001   329816 |14.137   0.000   230748|   39.3    38.1      3.1    Decachlorobiphenyl


*  Indicates RPD > 40%




                            INTERNAL STANDARD SUMMARY

                                        Column 1
                                 Standard    Sample
                 Standard Cpnd       Area*       Area      %D
              --------------------------------------------------
                Bromo-Nitrobenzene    447645      484977    8.3
                Hexabromobiphenyl     798898      915518   14.6

                                        Column 2
                                 Standard    Sample
                 Standard Cpnd       Area*       Area      %D
              --------------------------------------------------
                Bromo-Nitrobenzene    249094     272055     9.2
                Hexabromobiphenyl     362541     426674    17.7


               * Standard Areas taken from Initial Cal Level 3
                 Initial Calibration Date: 03-DEC-2022
              <- Indicates standard response outside Limits (-50 to +100%)
```

```
                            ZB5 Col                                 ZB35 Col
 Aroclor    Peak#    RT    Shift    Area    Amount    Peak#   RT     Shift    Area   Amount
 ==========================================================================================
 Aroclor-1248 1   8.427  -0.000     49184   235.9      1    8.326   0.000    25647   230.8
 Aroclor-1248 2   8.604   0.002     62884   236.2      2    8.733   0.000    26944   230.5
 Aroclor-1248 3   9.021  -0.002    117065   244.4      3    9.179   0.001    32692   229.9
 Aroclor-1248 4   9.315   0.000     62309   265.6      4    9.604   0.002    38342   229.7
       Total Col1Ave (4 peaks):   245.5       Total Col2Ave (4 peaks):   230.2   RPD = 6
       Corrected Ave (3 peaks):   238.8       Corrected Ave (3 peaks):   230.0   RPD = 4




 Total PCB Area Col1 (5.936 - 13.808) =     991353     Col1 Total PCB = 0.2 ppm*

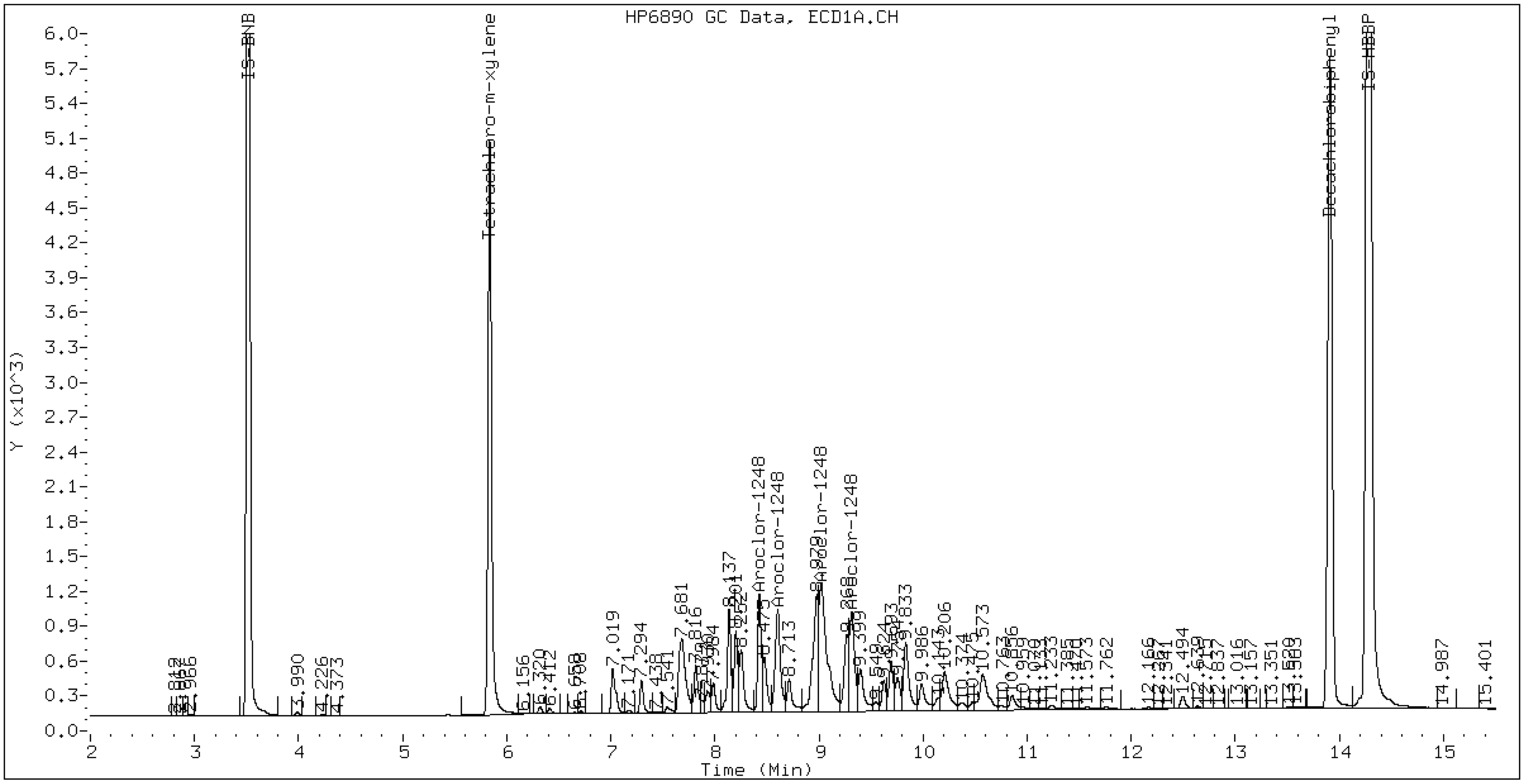
 Total PCB Area Col2 (5.936 - 13.808) =     508870     Col2 Total PCB = 0.3 ppm*

   *  Quantitated against AR1660 0.25ppm in Ical

                                        PCB-Form 10 Mod.
```

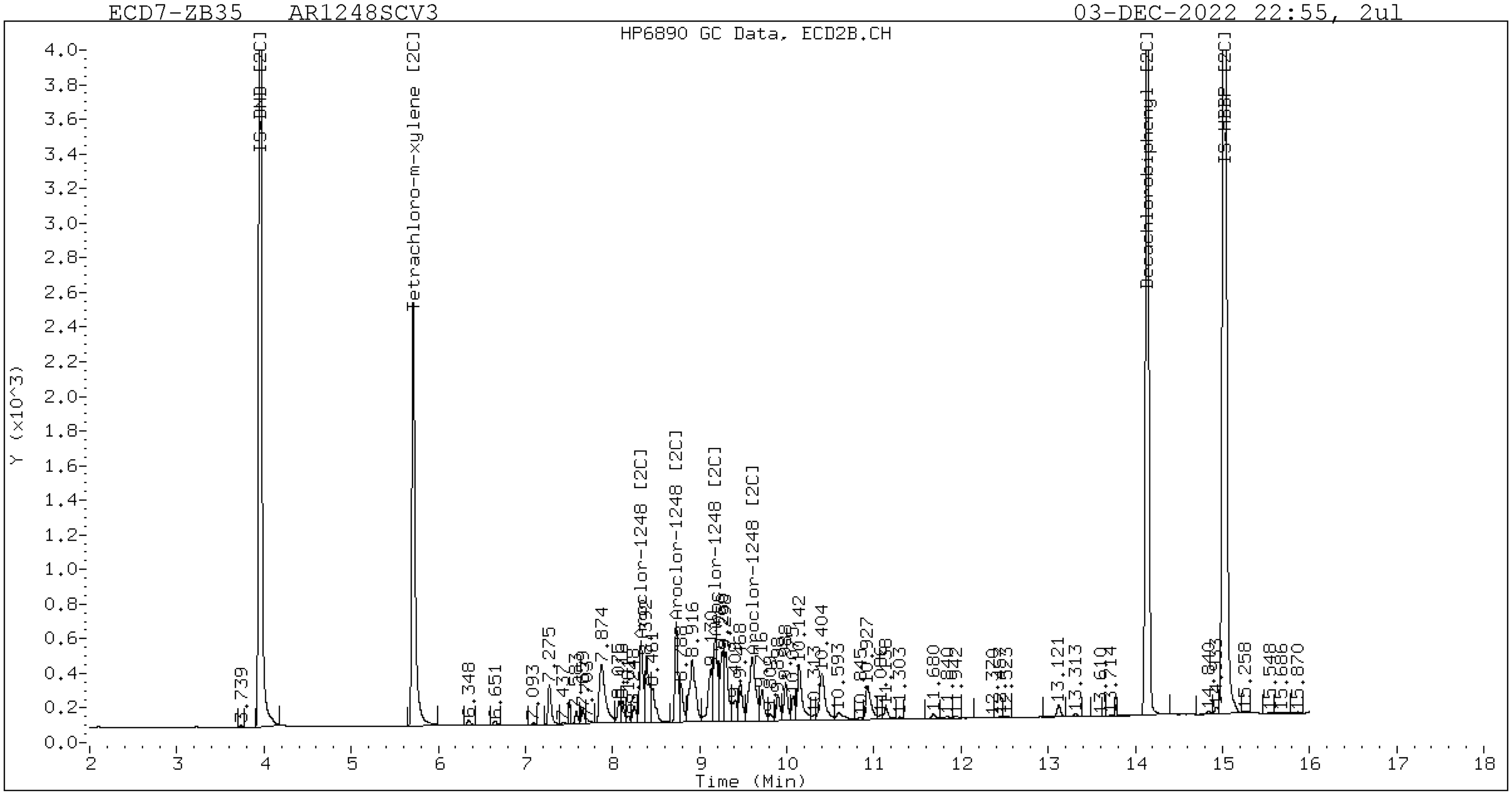
PCB Dual Column Chromatograms

ECD7-ZB5 AR1248SCV3 03-DEC-2022 22:55, 2ul



ZB-5 Manual Integration: NO

ECD7-ZB35 AR1248SCV3 03-DEC-2022 22:55, 2ul



ZB-35 Manual Integration: NO

SECOND-SOURCE CALIBRATION VERIFICATION

EPA 8082A

Laboratory: Analytical Resources, LLC

Client: Anchor QEA, LLC

Calibration: FL00010

Sequence: SKL0048

SDG: 22L0307

Project: AOC4 UR Phase 3

Laboratory ID: SKL0048-SCV4

Sequence Name: AR1254SCV4

Standard ID: K007658

ANALYTE	EXPECTED (ug/L)	FOUND (ug/L)	% DRIFT	QC LIMIT
Aroclor 1254	250.00	228	-8.8	20.00
Aroclor 1254 [2C]	250.00	231	-7.7	20.00
Decachlorobiphenyl	40.000	39.5	-1.1	20.00
Tetrachlorometaxylene	40.000	35.5	-11.2	20.00
Decachlorobiphenyl [2C]	40.000	38.1	-4.8	20.00
Tetrachlorometaxylene [2C]	40.000	36.0	-10.0	20.00

* Indicates values outside of QC limits
[2C] indicates second-column analyte.

```
                              Analytical Resources Inc.
                         Dual Column 608/8082 PCB Quantitation Report

Data file 1: /221203.b/12032225ECD7.D                        ARI ID: AR1254SCV4
Data file 2: /221203.b/221203.b/12032225ECD7.D               Client ID:
Method: \\target\share\chem4\ecd7.i\221203.b\PCB.m           Injection Date: 03-DEC-2022 23:17
Compound Sublist: AR1254.sub                                    Report Date: 12/05/2022 13:28
Instrument, Inj. Vol.: ecd7.i, 2ul                           Matrix: NONE
Quant Method: Internal Std                                   Dilution Factor:  1.0



                                  SURROGATES

       ZB5 Col         |       ZB35 Col         |   ZB5    ZB35
  RT    Shift Response | RT    Shift  Response  |  on col  on col    RPD   Compound/Flag
============================================================================================

 5.837  0.000   243863 | 5.713  -0.000   133610|   35.5    36.0      1.4    Tetrachloro-m-xylene
13.909  0.001   332566 |14.137  -0.000   233115|   39.5    38.1      3.8    Decachlorobiphenyl


*  Indicates RPD > 40%



                             INTERNAL STANDARD SUMMARY

                                         Column 1
                                  Standard    Sample
                 Standard Cpnd       Area*       Area      %D
               --------------------------------------------------
                 Bromo-Nitrobenzene    447645      484642    8.3
                 Hexabromobiphenyl     798898      917405   14.8

                                         Column 2
                                  Standard    Sample
                 Standard Cpnd       Area*       Area      %D
               --------------------------------------------------
                 Bromo-Nitrobenzene    249094     270782     8.7
                 Hexabromobiphenyl     362541     431238    18.9


                * Standard Areas taken from Initial Cal Level 3
                  Initial Calibration Date: 03-DEC-2022
               <- Indicates standard response outside Limits (-50 to +100%)
```

```
                            ZB5 Col                                ZB35 Col
 Aroclor   Peak#    RT    Shift    Area    Amount    Peak#   RT     Shift    Area   Amount
 ==========================================================================================
 Aroclor-1254 1   9.321   0.003     94448   221.3      1    9.469   0.002    39410   225.7
 Aroclor-1254 2   9.401   0.003     41171   248.1      2    9.989   0.002    31415   223.8
 Aroclor-1254 3   9.692   0.004     60946   226.1      3   10.143   0.004    66244   219.6
 Aroclor-1254 4   9.832   0.004    116490   221.7      4   10.392   0.003    70095   224.3
 Aroclor-1254 5  10.199   0.005     80050   222.3      5   10.588   0.002    39206   260.2
       Total Col1Ave (5 peaks):   227.9       Total Col2Ave (5 peaks):   230.7   RPD = 1
       Corrected Ave (4 peaks):   222.9       Corrected Ave (4 peaks):   223.4   RPD = 0





 Total PCB Area Col1 (5.936 - 13.808) =    1261470     Col1 Total PCB = 0.2 ppm*

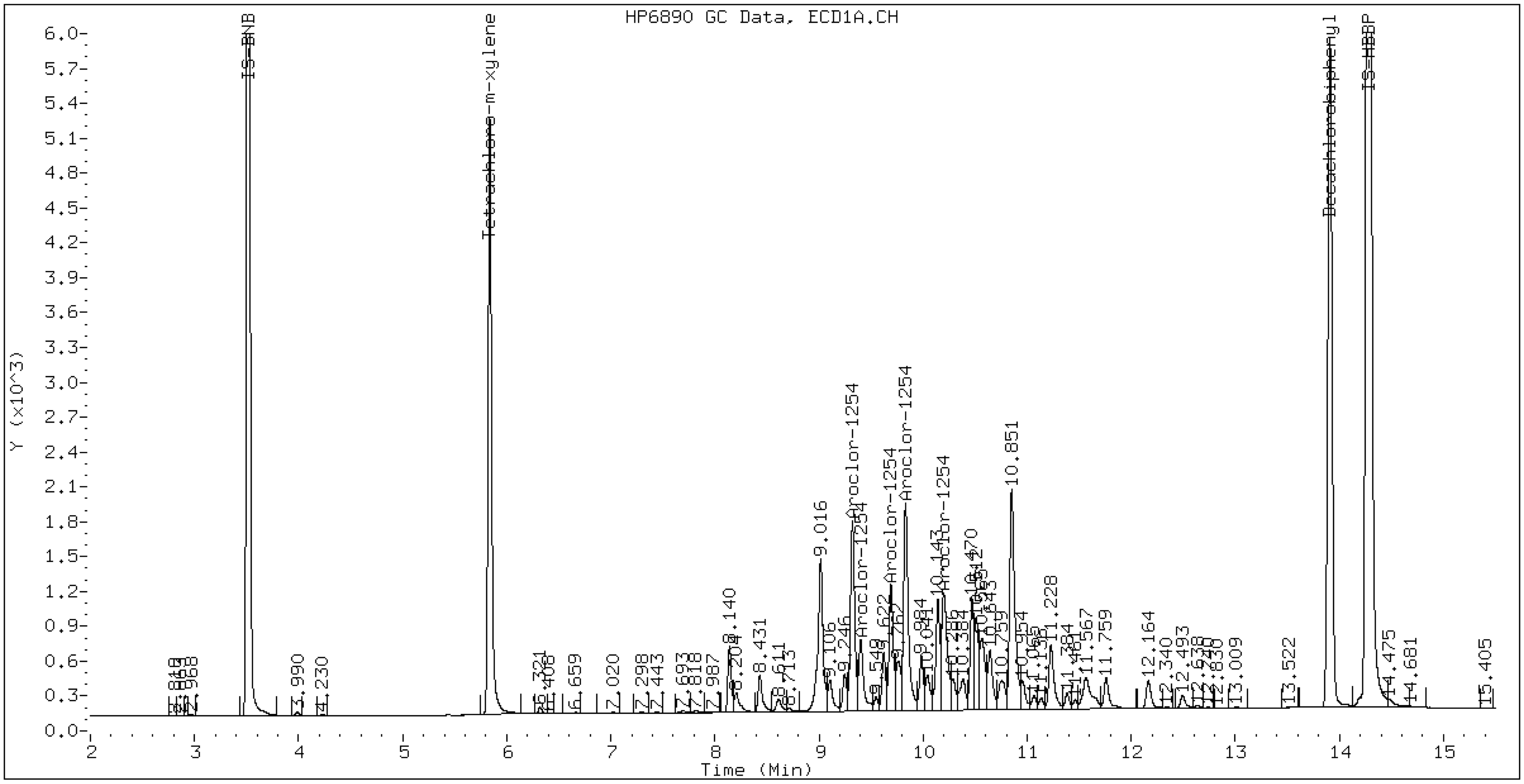
 Total PCB Area Col2 (5.936 - 13.808) =     664781     Col2 Total PCB = 0.3 ppm*


   *  Quantitated against AR1660 0.25ppm in Ical


                                        PCB-Form 10 Mod.
```

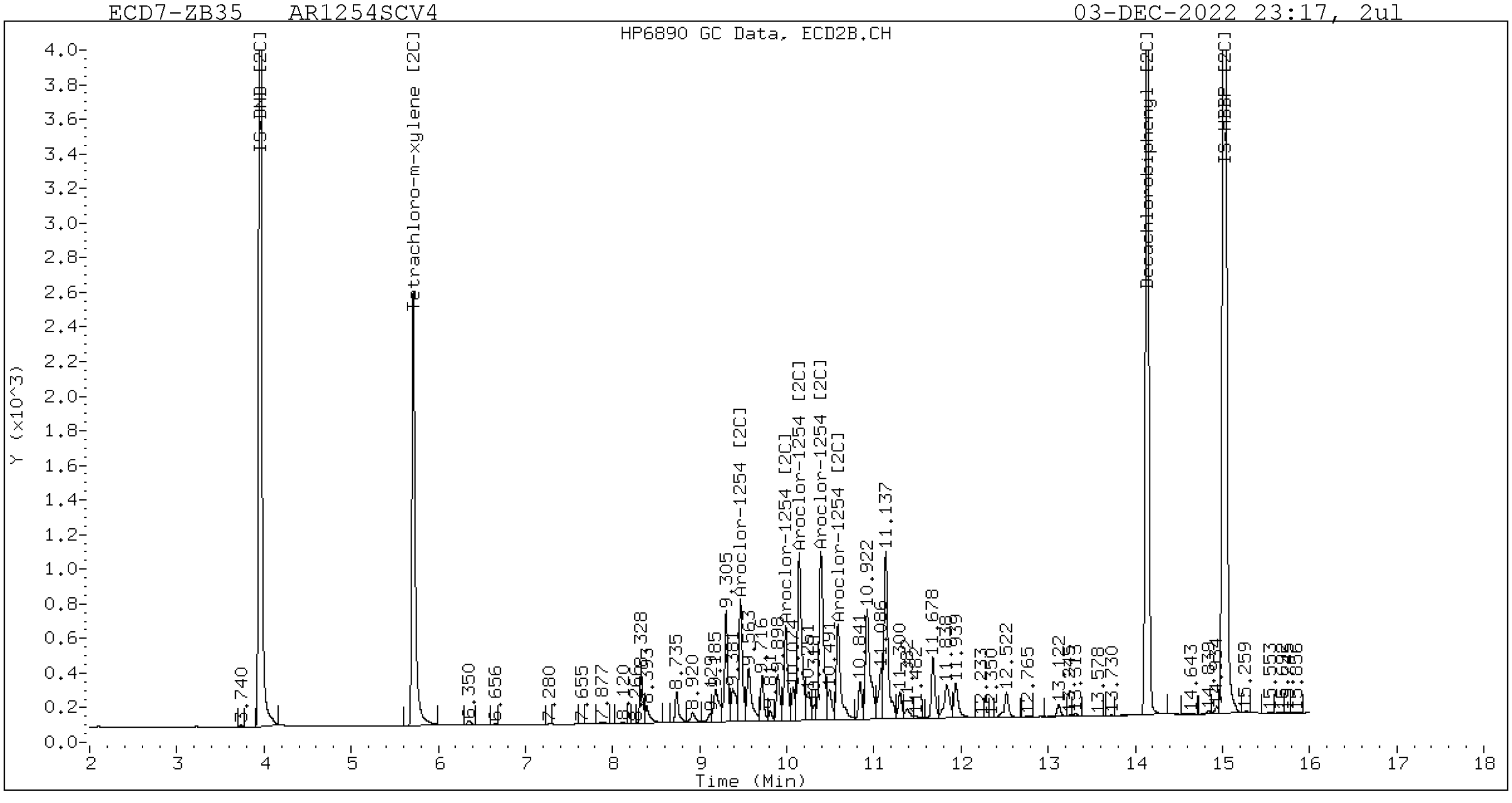
PCB Dual Column Chromatograms

ECD7-ZB5 AR1254SCV4 03-DEC-2022 23:17, 2ul



ZB-5 Manual Integration: NO

ECD7-ZB35 AR1254SCV4 03-DEC-2022 23:17, 2ul



ZB-35 Manual Integration: NO

SECOND-SOURCE CALIBRATION VERIFICATION

EPA 8082A

Laboratory:	Analytical Resources, LLC	**SDG:**	22L0307
Client:	Anchor QEA, LLC	**Project:**	AOC4 UR Phase 3
Calibration:	FL00010	**Laboratory ID:**	SKL0048-SCV5
Sequence:	SKL0048	**Sequence Name:**	AR2162SCV5
		Standard ID:	K007659

ANALYTE	EXPECTED (ug/L)	FOUND (ug/L)	% DRIFT	QC LIMIT
Aroclor 1221	250.00	237	-5.3	20.00
Aroclor 1221 [2C]	250.00	236	-5.7	20.00
Aroclor 1262	500.00	469	-6.2	20.00
Aroclor 1262 [2C]	500.00	464	-7.1	20.00
Decachlorobiphenyl	40.000	40.0	-0.04	20.00
Tetrachlorometaxylene	40.000	36.1	-9.8	20.00
Decachlorobiphenyl [2C]	40.000	38.4	-3.9	20.00
Tetrachlorometaxylene [2C]	40.000	35.7	-10.8	20.00

* Indicates values outside of QC limits
[2C] indicates second-column analyte.

```
                           Analytical Resources Inc.
                      Dual Column 608/8082 PCB Quantitation Report

 Data file 1: /221203.b/12032226ECD7.D                    ARI ID: AR2162SCV5
 Data file 2: /221203.b/221203.b/12032226ECD7.D           Client ID:
 Method: \\target\share\chem4\ecd7.i\221203.b\PCB.m       Injection Date: 03-DEC-2022 23:38
 Compound Sublist: AR2162.sub                                Report Date: 12/05/2022 13:28
 Instrument, Inj. Vol.: ecd7.i, 2ul                       Matrix: NONE
 Quant Method: Internal Std                               Dilution Factor:  1.0



                                    SURROGATES

        ZB5 Col          |        ZB35 Col          |   ZB5    ZB35
   RT    Shift Response | RT    Shift  Response   |  on col  on col    RPD   Compound/Flag
 ===========================================================================================

   5.836  0.000   246394 | 5.713  -0.000   131378|   36.1    35.7      1.1    Tetrachloro-m-xylene
 13.908 -0.001   334929 |14.136  -0.001   237241|   40.0    38.4      4.0    Decachlorobiphenyl


*  Indicates RPD > 40%




                               INTERNAL STANDARD SUMMARY

                                            Column 1
                                     Standard    Sample
                   Standard Cpnd       Area*       Area      %D
               --------------------------------------------------
                 Bromo-Nitrobenzene    447645      482097    7.7
                 Hexabromobiphenyl     798898      913775   14.4

                                            Column 2
                                     Standard    Sample
                   Standard Cpnd       Area*       Area      %D
               --------------------------------------------------
                 Bromo-Nitrobenzene    249094     268757     7.9
                 Hexabromobiphenyl     362541     434790    19.9


                * Standard Areas taken from Initial Cal Level 3
                  Initial Calibration Date: 03-DEC-2022
               <- Indicates standard response outside Limits (-50 to +100%)
```

```
                             ZB5 Col                                 ZB35 Col
 Aroclor   Peak#    RT    Shift    Area    Amount    Peak#   RT     Shift    Area   Amount
 =========================================================================================
 Aroclor-1221 1   4.761   0.001      9579   240.4      1    4.988   0.001     5527   243.7
 Aroclor-1221 2   6.159   0.001     16402   233.6      2    6.323   0.001    10041   232.3
 Aroclor-1221 3   6.410   0.001     38315   236.6      3    6.646   0.001    16814   231.1
       Total Col1Ave (3 peaks):   236.8       Total Col2Ave (3 peaks):   235.7   RPD = 0
       Corrected Ave: < 3 Peaks                      Corrected Ave: < 3 Peaks

 Aroclor-1262 1  10.845  -0.003    145305   475.5      1   11.216  -0.001   152840   462.3
 Aroclor-1262 2  12.261  -0.001    222795   469.0      2   11.668  -0.002   131097   457.9
 Aroclor-1262 3  12.336  -0.001    238475   470.0      3   12.449  -0.002   148386   469.8
 Aroclor-1262 4  13.004  -0.001    188009   461.7      4   12.518  -0.001   231081   467.1
       Total Col1Ave (4 peaks):   469.1       Total Col2Ave (4 peaks):   464.3   RPD = 1
       Corrected Ave (3 peaks):   466.9       Corrected Ave (3 peaks):   462.4   RPD = 1




 Total PCB Area Col1 (5.936 - 13.808) =    3654831     Col1 Total PCB = 0.7 ppm*

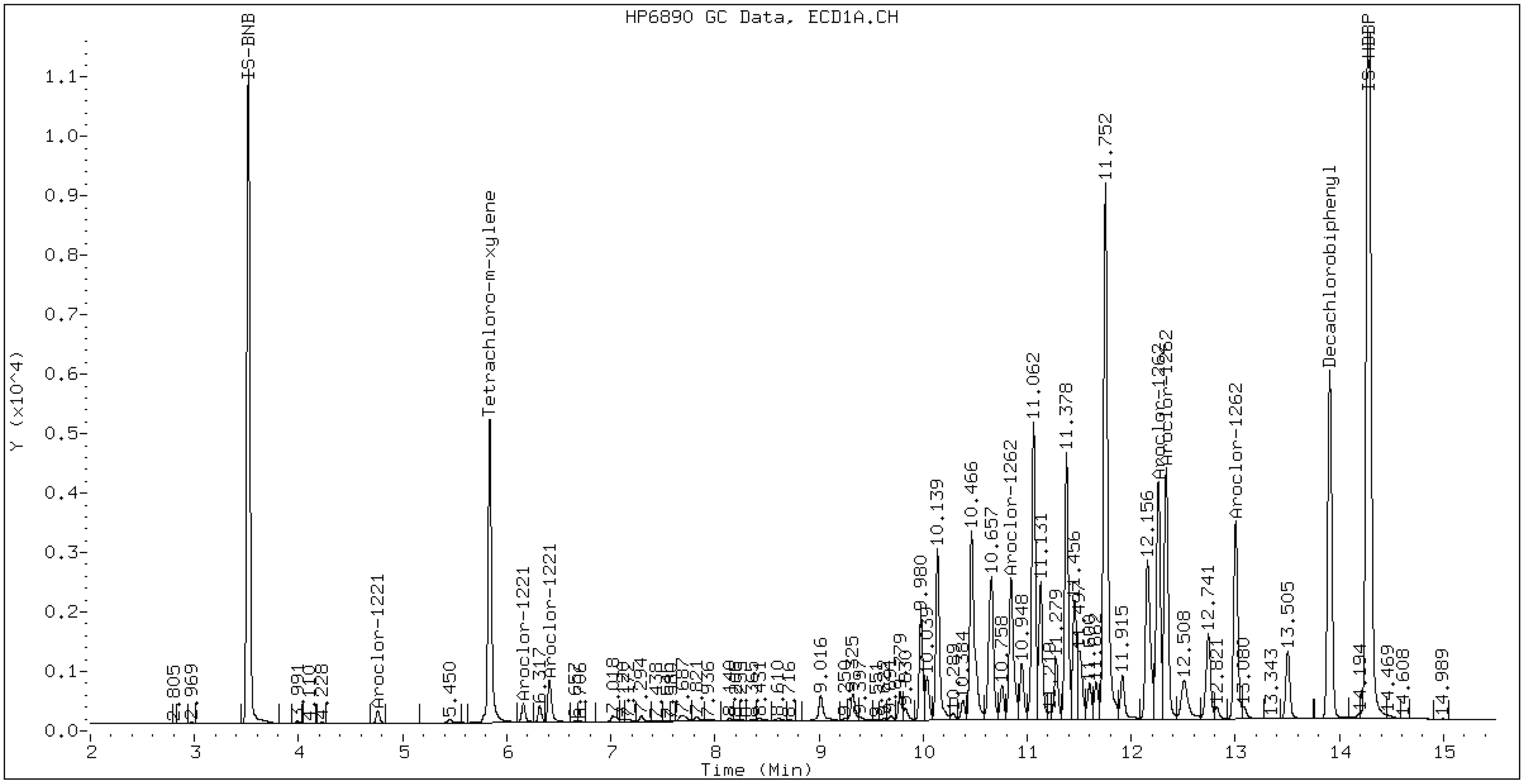
 Total PCB Area Col2 (5.936 - 13.808) =    2063978     Col2 Total PCB = 1.1 ppm*


   *  Quantitated against AR1660 0.25ppm in Ical


                                     PCB-Form 10 Mod.
```

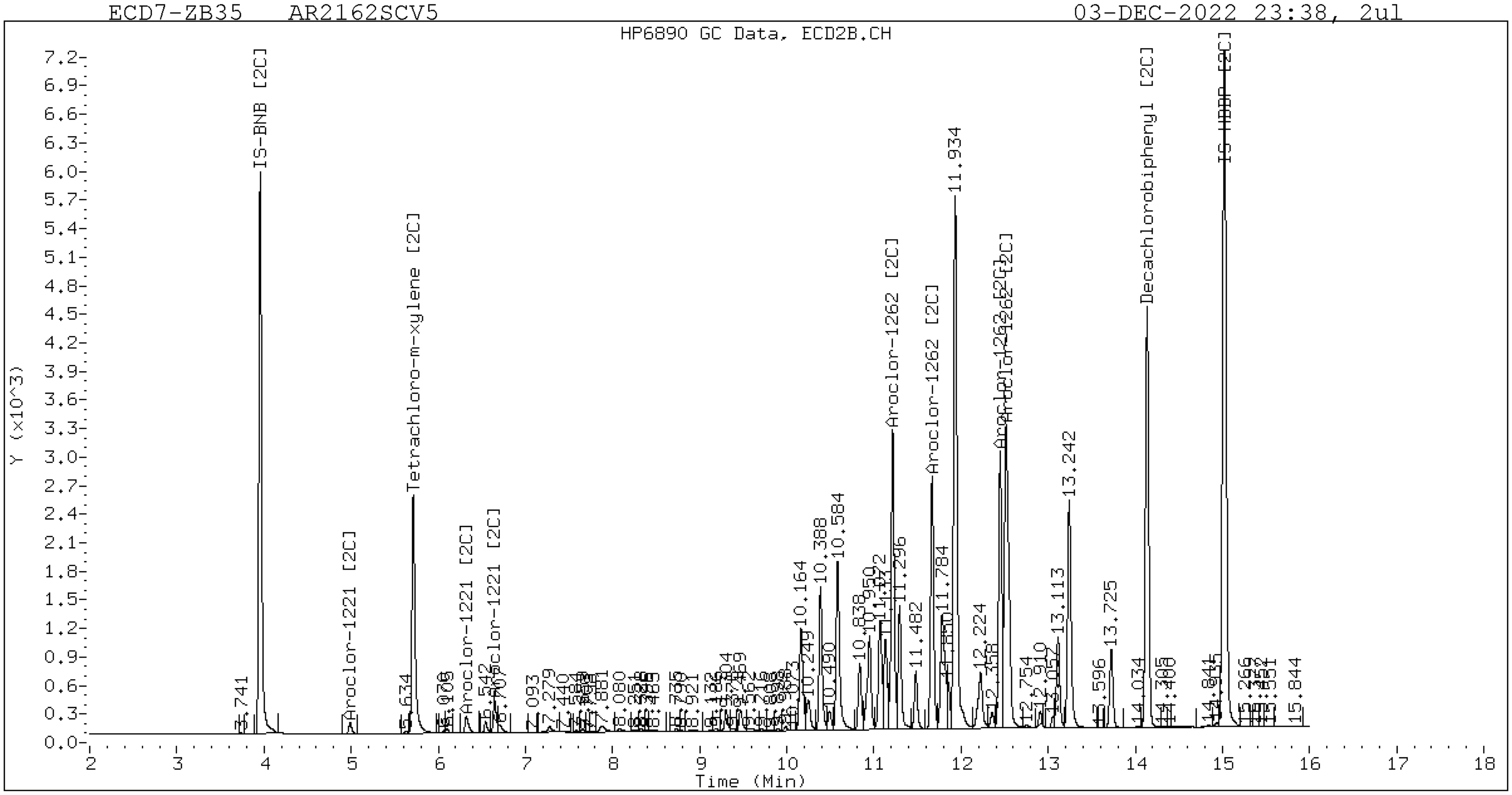
PCB Dual Column Chromatograms

ECD7-ZB5 AR2162SCV5 03-DEC-2022 23:38, 2ul



ZB-5 Manual Integration: NO

ECD7-ZB35 AR2162SCV5 03-DEC-2022 23:38, 2ul



ZB-35 Manual Integration: NO

SECOND-SOURCE CALIBRATION VERIFICATION
EPA 8082A

Laboratory: Analytical Resources, LLC
Client: Anchor QEA, LLC
Calibration: FL00010
Sequence: SKL0048

SDG: 22L0307
Project: AOC4 UR Phase 3
Laboratory ID: SKL0048-SCV6
Sequence Name: AR3268SCV6
Standard ID: K007660

ANALYTE	EXPECTED (ug/L)	FOUND (ug/L)	% DRIFT	QC LIMIT
Aroclor 1232	250.00	217	-13.4	20.00
Aroclor 1232 [2C]	250.00	230	-7.9	20.00
Aroclor 1268	250.00	231	-7.5	20.00
Aroclor 1268 [2C]	250.00	228	-8.9	20.00
Decachlorobiphenyl	40.000	56.2	40.4	20.00
Tetrachlorometaxylene	40.000	34.5	-13.8	20.00
Decachlorobiphenyl [2C]	40.000	54.9	37.3	20.00
Tetrachlorometaxylene [2C]	40.000	34.2	-14.4	20.00

* Indicates values outside of QC limits
[2C] indicates second-column analyte.

```
                              Analytical Resources Inc.
                         Dual Column 608/8082 PCB Quantitation Report

 Data file 1: /221203.b/12032227ECD7.D                       ARI ID: AR3268SCV6
 Data file 2: /221203.b/221203.b/12032227ECD7.D              Client ID:
 Method: \\target\share\chem4\ecd7.i\221203.b\PCB.m          Injection Date: 03-DEC-2022 23:59
 Compound Sublist: AR3268.sub                                   Report Date: 12/05/2022 13:28
 Instrument, Inj. Vol.: ecd7.i, 2ul                          Matrix: NONE
 Quant Method: Internal Std                                  Dilution Factor:  1.0



                                    SURROGATES

        ZB5 Col         |       ZB35 Col         |   ZB5    ZB35
   RT    Shift Response | RT    Shift  Response  |  on col  on col    RPD   Compound/Flag
 ==========================================================================================

  5.834 -0.002   236120 | 5.711  -0.002   126782|   34.5    34.2      0.7    Tetrachloro-m-xylene
 13.907 -0.002   474236 |14.136  -0.001   339687|   56.2    54.9      2.3    Decachlorobiphenyl


*  Indicates RPD > 40%




                               INTERNAL STANDARD SUMMARY

                                           Column 1
                                    Standard    Sample
                  Standard Cpnd       Area*       Area      %D
            --------------------------------------------------
                Bromo-Nitrobenzene    447645      483276    8.0
                Hexabromobiphenyl     798898      920878   15.3

                                           Column 2
                                    Standard    Sample
                  Standard Cpnd       Area*       Area      %D
            --------------------------------------------------
                Bromo-Nitrobenzene    249094     270175     8.5
                Hexabromobiphenyl     362541     435731    20.2


             * Standard Areas taken from Initial Cal Level 3
               Initial Calibration Date: 03-DEC-2022
            <- Indicates standard response outside Limits (-50 to +100%)
```

```
                            ZB5 Col                             ZB35 Col
 Aroclor    Peak#    RT    Shift    Area    Amount    Peak#   RT     Shift    Area   Amount
 ========================================================================================
 Aroclor-1232 1   4.758  -0.003      5334   221.8      1    4.986  -0.004     3031   230.7
 Aroclor-1232 2   6.158  -0.002      9882   194.6      2    7.276  -0.001    14982   223.3
 Aroclor-1232 3   7.684   0.000     51409   225.4      3    7.875  -0.001    29992   228.7
 Aroclor-1232 4   8.607   0.001     21710   224.4      4    8.734   0.000     8467   238.1
       Total Col1Ave (4 peaks):   216.5       Total Col2Ave (4 peaks):   230.2   RPD = 6
       Corrected Ave (3 peaks):   213.6       Corrected Ave (3 peaks):   227.6   RPD = 6

 Aroclor-1268 1  12.262  -0.000    296463   230.1      1   12.449  -0.000   189354   230.2
 Aroclor-1268 2  12.336   0.001    294353   233.5      2   12.517   0.000   196449   232.9
 Aroclor-1268 3  12.715  -0.001    238693   231.1      3   12.909  -0.001    66881   213.9
 Aroclor-1268 4  13.506   0.001    725881   230.1      4   13.725  -0.001   525890   233.7
       Total Col1Ave (4 peaks):   231.2       Total Col2Ave (4 peaks):   227.7   RPD = 2
       Corrected Ave (3 peaks):   230.4       Corrected Ave (3 peaks):   225.7   RPD = 2




 Total PCB Area Col1 (5.936 - 13.808) =    2353838     Col1 Total PCB = 0.4 ppm*

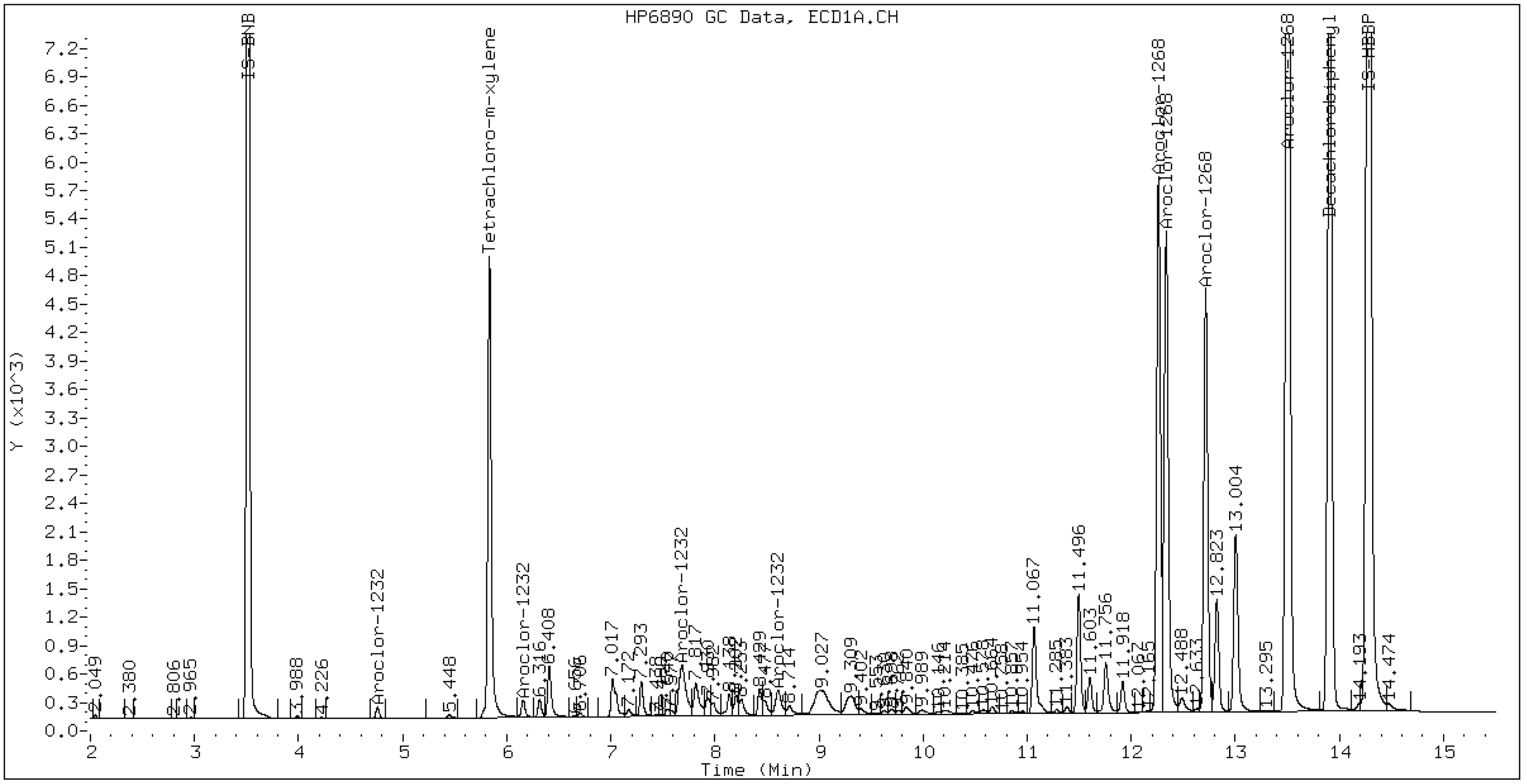
 Total PCB Area Col2 (5.936 - 13.808) =    1423323     Col2 Total PCB = 0.7 ppm*

   *  Quantitated against AR1660 0.25ppm in Ical
```

PCB-Form 10 Mod.

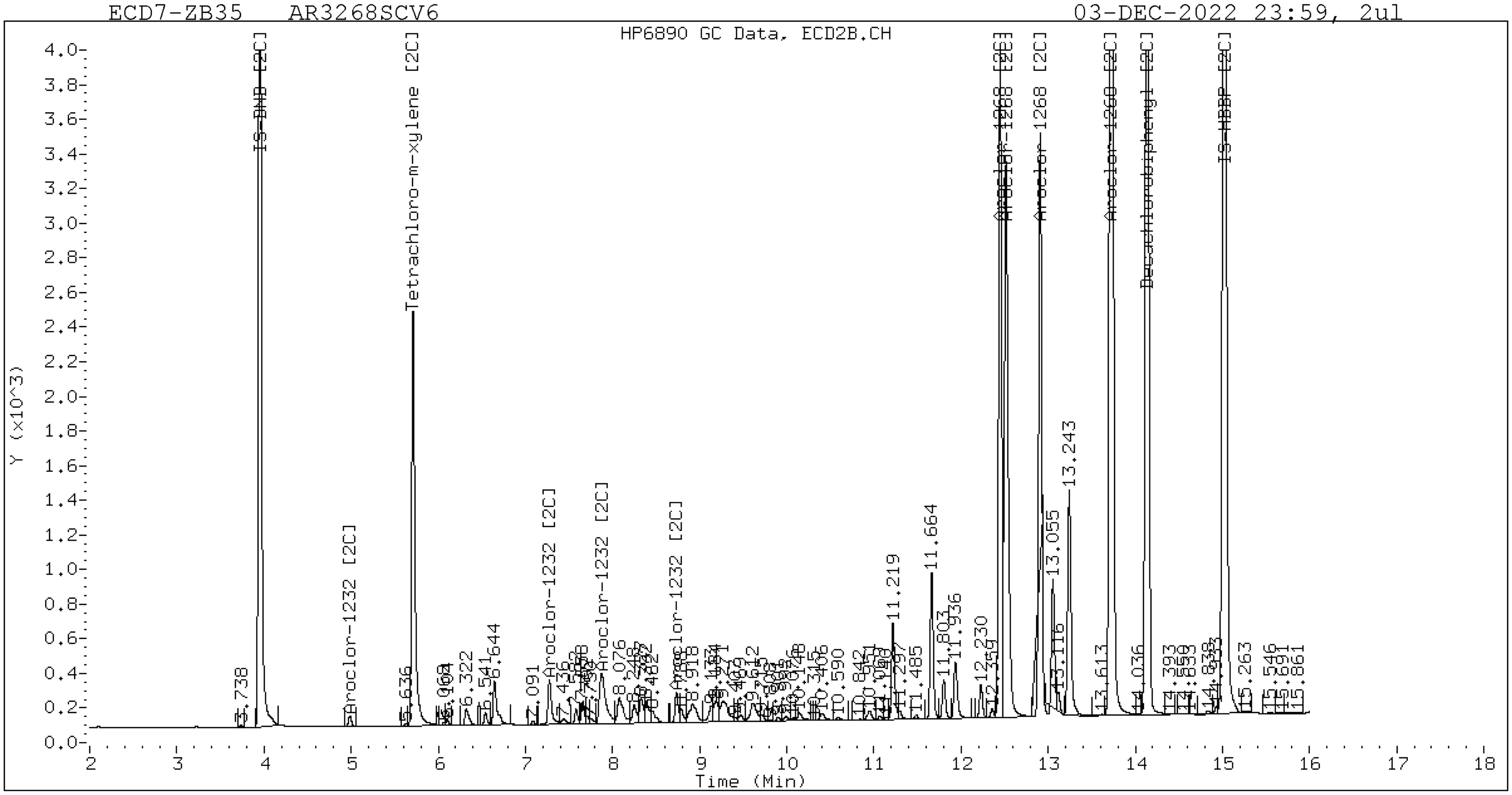
PCB Dual Column Chromatograms

ECD7-ZB5 AR3268SCV6 03-DEC-2022 23:59, 2ul



ZB-5 Manual Integration: NO

ECD7-ZB35 AR3268SCV6 03-DEC-2022 23:59, 2ul



ZB-35 Manual Integration: NO

INITIAL CALIBRATION CHECK

EPA 8082A

Laboratory:	Analytical Resources, LLC	SDG:	22L0307
Client:	Anchor QEA, LLC	Project:	AOC4 UR Phase 3
Instrument ID:	ECD7	Calibration:	FL00010
Lab File ID:	12312202ECD7.D	Calibration Date:	12/03/2022
Sequence:	SLA0071	Injection Date:	12/31/22
Lab Sample ID:	SLA0071-ICV1	Injection Time:	10:31
Sequence Name:	AR1254ICV1		

		CONC. (ug/L)		RESPONSE FACTOR			% DRIFT/DIFF	
COMPOUND	TYPE	STD	ICV	ICAL	ICV	MIN	ICV	LIMIT
Aroclor 1254	A	250.00	281	0.0576965	0.0653019		12.3	+/-20
Aroclor-1254 (1)	A	250.00	253	0.0704377	0.0714223			
Aroclor-1254 (2)	A	250.00	284	0.0273935	0.0310931			
Aroclor-1254 (3)	A	250.00	254	0.0444885	0.0452950			
Aroclor-1254 (4)	A	250.00	301	0.0867185	0.1045176			
Aroclor-1254 (5)	A	250.00	312	0.0594444	0.0741814			
Aroclor 1254 [2C]	A	250.00	250	0.0638047	0.0658751		0.0	+/-20
Aroclor-1254 (1) [2C]	A	250.00	262	0.0515798	0.0541379			
Aroclor-1254 (2) [2C]	A	250.00	160	0.0414689	0.0265953			
Aroclor-1254 (3) [2C]	A	250.00	243	0.0891370	0.0868095			
Aroclor-1254 (4) [2C]	A	250.00	300	0.0923140	0.1109884			
Aroclor-1254 (5) [2C]	A	250.00	285	0.0445236	0.0508444			
Decachlorobiphenyl	A	40.000	47.0	0.7333327	0.8609640		17.5	+/-20
Tetrachlorometaxylene	A	40.000	36.7	1.1336710	1.0391730		-8.3	+/-20
Decachlorobiphenyl [2C]	A	40.000	42.0	1.1358180	1.1938410		5.0	+/-20
Tetrachlorometaxylene [2C]	A	40.000	36.2	1.0966080	0.9936501		-9.5	+/-20

* Values outside of QC limits

* Values outside of QC limits

```
                              Analytical Resources Inc.
                         Dual Column 608/8082 PCB Quantitation Report

 Data file 1: /221231.b/12312202ECD7.D                    ARI ID: AR1254ICV1
 Data file 2: /221231.b/221231.b/12312202ECD7.D           Client ID:
 Method: \\target\share\chem4\ecd7.i\221231.b\PCB.m      Injection Date: 31-DEC-2022 10:31
 Compound Sublist: AR1254.sub                                Report Date: 01/05/2023 17:03
 Instrument, Inj. Vol.: ecd7.i, 2ul                       Matrix: NONE
 Quant Method: Internal Std                               Dilution Factor:  1.0



                                   SURROGATES

       ZB5 Col          |       ZB35 Col         |   ZB5    ZB35
   RT    Shift Response | RT    Shift  Response  |  on col  on col    RPD   Compound/Flag
 ==========================================================================================

  5.831 -0.001   178796 | 5.707  -0.003   113293|   36.7    36.2      1.2    Tetrachloro-m-xylene
 13.905  0.004   291237 |14.128  -0.001   204160|   47.0    42.0     11.1    Decachlorobiphenyl


*  Indicates RPD > 40%




                                INTERNAL STANDARD SUMMARY

                                            Column 1
                                     Standard    Sample
                   Standard Cpnd       Area*       Area      %D
               --------------------------------------------------
                 Bromo-Nitrobenzene    447645      344112  -23.1
                 Hexabromobiphenyl     798898      676537  -15.3

                                            Column 2
                                     Standard    Sample
                   Standard Cpnd       Area*       Area      %D
               --------------------------------------------------
                 Bromo-Nitrobenzene    249094     228034    -8.5
                 Hexabromobiphenyl     362541     342022    -5.7


                * Standard Areas taken from Initial Cal Level 3
                  Initial Calibration Date: 03-DEC-2022
               <- Indicates standard response outside Limits (-50 to +100%)
```

```
//target/share/chem4/ecd7.i/221231.b/12312202ECD7.D      AR1254ICV1                    page 2
                              ZB5 Col                                 ZB35 Col
 Aroclor    Peak#    RT    Shift    Area    Amount    Peak#   RT     Shift    Area   Amount
 ==========================================================================================
 Aroclor-1254 1   9.312  -0.009     76804   253.5      1    9.459  -0.002    38579   262.4
 Aroclor-1254 2   9.389  -0.013     33436   283.8      2    9.977  -0.002    18952   160.3
 Aroclor-1254 3   9.681  -0.014     48708   254.5      3   10.127  -0.003    61861   243.5
 Aroclor-1254 4   9.816  -0.015    112393   301.3      4   10.375  -0.003    79091   300.6
 Aroclor-1254 5  10.172  -0.018     79771   312.0      5   10.574  -0.002    36232   285.5
       Total Col1Ave (5 peaks):   281.0       Total Col2Ave (5 peaks):   250.5   RPD = 12
       Corrected Ave (4 peaks):   273.3       Corrected Ave (4 peaks):   237.9   RPD = 14

                     CalAmt %D:    12.4                    CalAmt %D:     0.2




 Total PCB Area Col1 (5.932 - 13.801) =    1184760     Col1 Total PCB = 0.4 ppm*

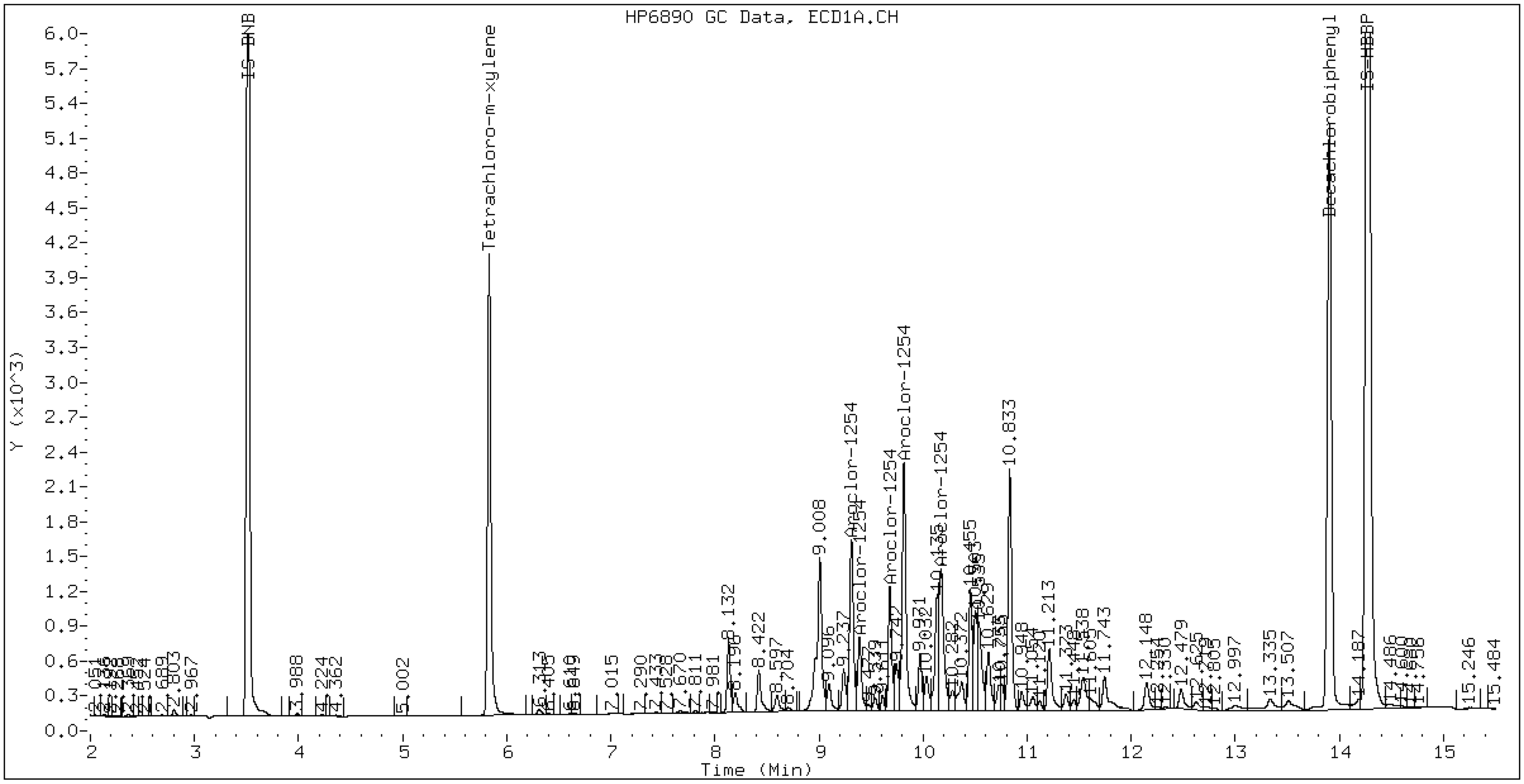
 Total PCB Area Col2 (5.810 - 14.030) =     666364     Col2 Total PCB = 0.3 ppm*

   *  Quantitated against AR1660 0.25ppm in Ical

                                        PCB-Form 10 Mod.
```

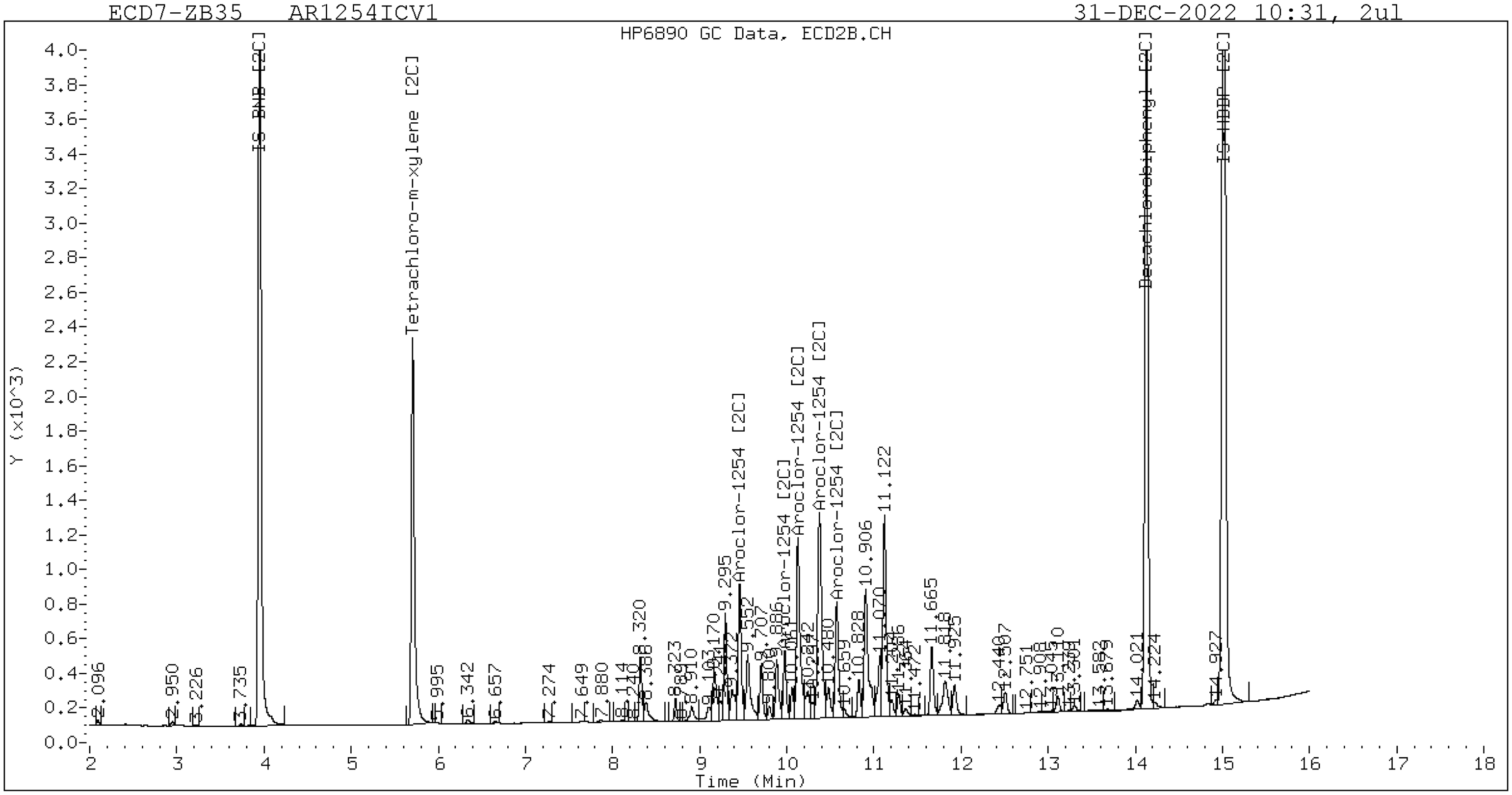
PCB Dual Column Chromatograms

ECD7-ZB5 AR1254ICV1 31-DEC-2022 10:31, 2ul



ZB-5 Manual Integration: NO

ECD7-ZB35 AR1254ICV1 31-DEC-2022 10:31, 2ul



ZB-35 Manual Integration: NO

INITIAL CALIBRATION CHECK

EPA 8082A

Laboratory: Analytical Resources, LLC

Client: Anchor QEA, LLC

Instrument ID: ECD7

Lab File ID: 12312203ECD7.D

Sequence: SLA0071

Lab Sample ID: SLA0071-ICV2

Sequence Name: AR1660ICV2

SDG: 22L0307

Project: AOC4 UR Phase 3

Calibration: FL00010

Calibration Date: 12/03/2022

Injection Date: 12/31/22

Injection Time: 10:52

		CONC. (ug/L)		RESPONSE FACTOR			% DRIFT/DIFF	
COMPOUND	TYPE	STD	ICV	ICAL	ICV	MIN	ICV	LIMIT
Aroclor 1016	A	250.00	267	0.0441939	0.0470166		6.8	+/-20
Aroclor-1016 (1)	A	250.00	264	0.0266860	0.0281666		5.6	
Aroclor-1016 (2)	A	250.00	264	0.0861572	0.0909368		5.6	
Aroclor-1016 (3)	A	250.00	267	0.0390425	0.0417423		6.8	
Aroclor-1016 (4)	A	250.00	273	0.0248899	0.0272208		9.2	
Aroclor 1016 [2C]	A	250.00	244	0.0467310	0.0431166		-2.4	+/-20
Aroclor-1016 (1) [2C]	A	250.00	252	0.0409030	0.0411704		0.8	
Aroclor-1016 (2) [2C]	A	250.00	204	0.0882154	0.0719315		-18.4	
Aroclor-1016 (3) [2C]	A	250.00	249	0.0378846	0.0377886		-0.4	
Aroclor-1016 (4) [2C]	A	250.00	271	0.0199212	0.0215760		8.4	
Aroclor 1260	A	250.00	290	0.0390342	0.0449913		15.8	+/-20
Aroclor-1260 (1)	A	250.00	292	0.0291201	0.0340518		16.8	
Aroclor-1260 (2)	A	250.00	290	0.0301181	0.0349566		16.0	
Aroclor-1260 (3)	A	250.00	287	0.0791351	0.0909118		14.8	
Aroclor-1260 (4)	A	250.00	281	0.0403003	0.0453680		12.4	
Aroclor-1260 (5)	A	250.00	298	0.0164974	0.0196682		19.2	
Aroclor 1260 [2C]	A	250.00	221	0.0617619	0.0498951		-11.7	+/-20
Aroclor-1260 (1) [2C]	A	250.00	261	0.0422283	0.0441162		4.4	
Aroclor-1260 (2) [2C]	A	250.00	172	0.1059643	0.0730410		-31.2	
Aroclor-1260 (3) [2C]	A	250.00	263	0.0282173	0.0296448		5.2	
Aroclor-1260 (4) [2C]	A	250.00	187	0.0706376	0.0527784		-25.2	
Decachlorobiphenyl	A	40.000	46.0	0.7333327	0.8426970		15.0	+/-20
Tetrachlorometaxylene	A	40.000	39.6	1.1336710	1.1215610		-1.0	+/-20
Decachlorobiphenyl [2C]	A	40.000	41.5	1.1358180	1.1784730		3.8	+/-20
Tetrachlorometaxylene [2C]	A	40.000	40.3	1.0966080	1.1040010		0.8	+/-20

* Values outside of QC limits

```
                              Analytical Resources Inc.
                         Dual Column 608/8082 PCB Quantitation Report

Data file 1: /221231.b/12312203ECD7.D                        ARI ID: AR1660ICV2
Data file 2: /221231.b/221231.b/12312203ECD7.D               Client ID:
Method: \\target\share\chem4\ecd7.i\221231.b\PCB.m           Injection Date: 31-DEC-2022 10:52
Compound Sublist: AR1660.sub                                    Report Date: 01/05/2023 17:03
Instrument, Inj. Vol.: ecd7.i, 2ul                           Matrix: NONE
Quant Method: Internal Std                                   Dilution Factor:  1.0



                                 SURROGATES

       ZB5 Col         |       ZB35 Col         |   ZB5    ZB35
  RT    Shift Response | RT    Shift  Response  |  on col  on col    RPD   Compound/Flag
============================================================================================

  5.832 -0.000   139640 | 5.708  -0.002    92348|   39.6    40.3      1.7    Tetrachloro-m-xylene
 13.903  0.002   233197 |14.129  -0.001   165761|   46.0    41.5     10.2    Decachlorobiphenyl


*  Indicates RPD > 40%




                            INTERNAL STANDARD SUMMARY

                                        Column 1
                                 Standard    Sample
                 Standard Cpnd       Area*       Area      %D
               --------------------------------------------------
                 Bromo-Nitrobenzene    447645      249010  -44.4
                 Hexabromobiphenyl     798898      553454  -30.7

                                        Column 2
                                 Standard    Sample
                 Standard Cpnd       Area*       Area      %D
               --------------------------------------------------
                 Bromo-Nitrobenzene    249094     167297   -32.8
                 Hexabromobiphenyl     362541     281315   -22.4


                * Standard Areas taken from Initial Cal Level 3
                  Initial Calibration Date: 03-DEC-2022
               <- Indicates standard response outside Limits (-50 to +100%)
```

```
//target/share/chem4/ecd7.i/221231.b/12312203ECD7.D      AR1660ICV2                   page 2
                            ZB5 Col                             ZB35 Col
 Aroclor    Peak#    RT    Shift    Area    Amount    Peak#   RT     Shift    Area   Amount
 =========================================================================================
 Aroclor-1016 1   7.289  -0.006     21918   263.9      1    7.272  -0.001    21524   251.6
 Aroclor-1016 2   7.674  -0.010     70763   263.9      2    7.871  -0.004    37606   203.9
 Aroclor-1016 3   7.810  -0.008     32482   267.3      3    8.069  -0.003    19756   249.4
 Aroclor-1016 4   8.421  -0.008     21182   273.4      4    8.240  -0.004    11280   270.8
       Total Col1Ave (4 peaks):   267.1       Total Col2Ave (4 peaks):   243.9   RPD = 9
       Corrected Ave (3 peaks):   265.0       Corrected Ave (3 peaks):   235.0   RPD = 12

                     CalAmt %D:     6.8                     CalAmt %D:    -2.4

 Aroclor-1260 1  11.055  -0.007     58894   292.3      1   11.662  -0.001    38783   261.2
 Aroclor-1260 2  11.372  -0.005     60459   290.2      2   11.925  -0.001    64211   172.3
 Aroclor-1260 3  11.744  -0.008    157236   287.2      3   12.443  -0.002    26061   262.6
 Aroclor-1260 4  12.147  -0.012     78466   281.4      4   12.508  -0.002    46398   186.8
 Aroclor-1260 5  12.255  -0.006     34017   298.1      NS    ---                     ----
       Total Col1Ave (5 peaks):   289.8       Total Col2Ave (4 peaks):   220.7   RPD = 27
       Corrected Ave (4 peaks):   287.8       Corrected Ave (3 peaks):   206.8   RPD = 33

                     CalAmt %D:    15.9                     CalAmt %D:   -11.7




 Total PCB Area Col1 (5.932 - 13.801) =    1563391     Col1 Total PCB = 0.7 ppm*

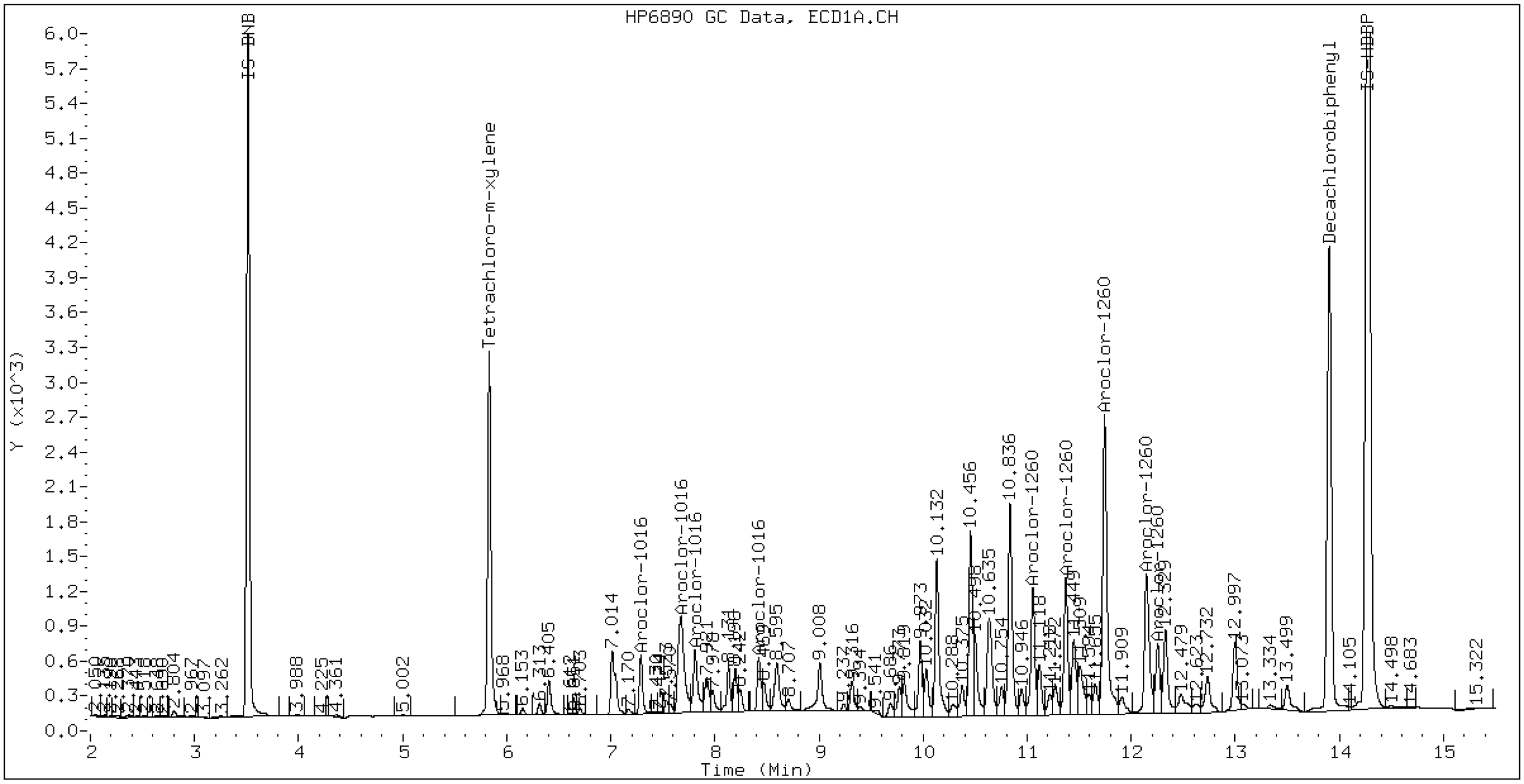
 Total PCB Area Col2 (5.810 - 14.030) =     809463     Col2 Total PCB = 0.5 ppm*


   *  Quantitated against AR1660 0.25ppm in Ical


                                        PCB-Form 10 Mod.
```

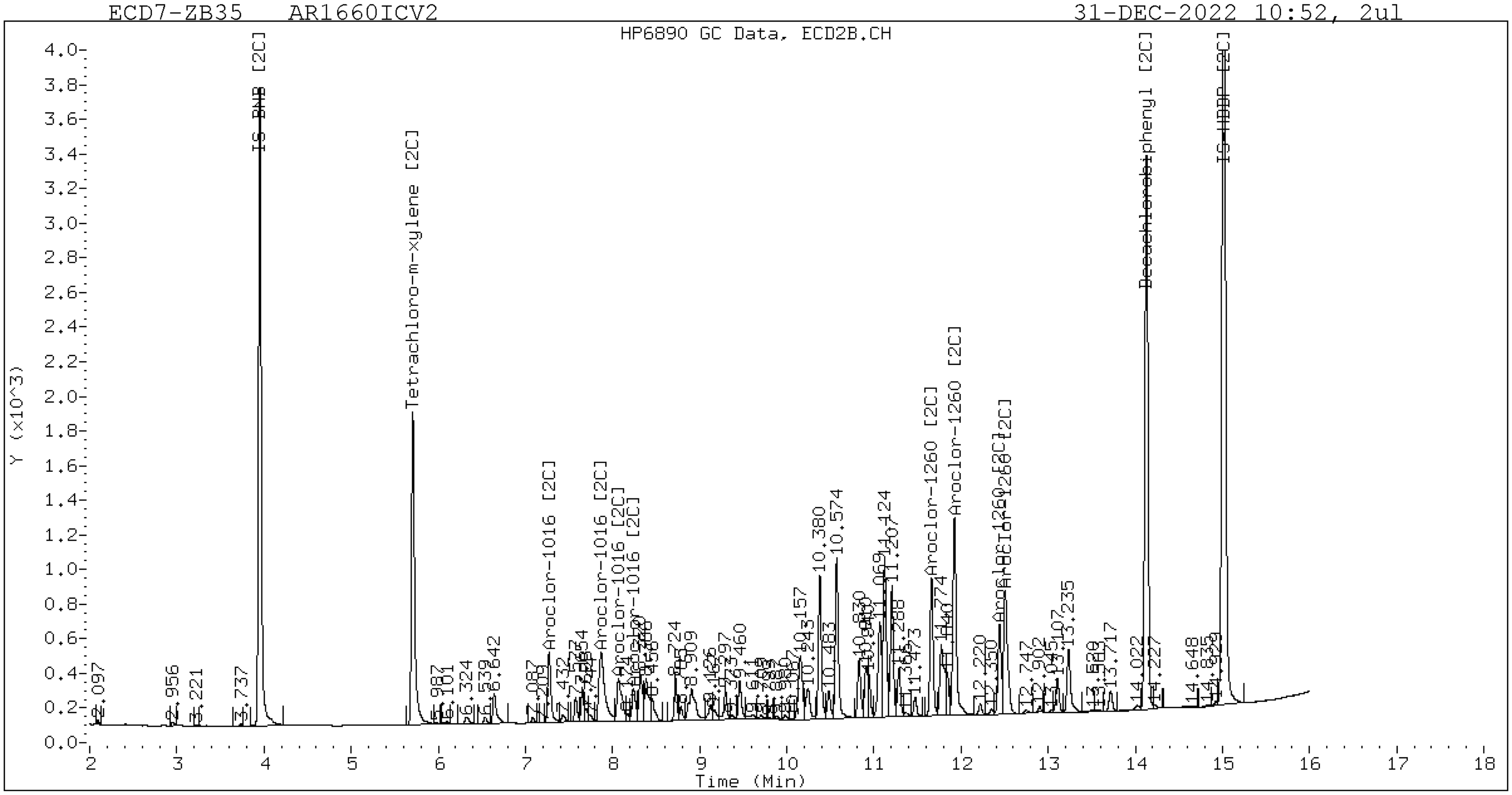
PCB Dual Column Chromatograms

ECD7-ZB5 AR1660ICV2 31-DEC-2022 10:52, 2ul



ZB-5 Manual Integration: NO

ECD7-ZB35 AR1660ICV2 31-DEC-2022 10:52, 2ul



ZB-35 Manual Integration: NO

INITIAL CALIBRATION CHECK

EPA 8082A

Laboratory:	Analytical Resources, LLC	SDG:	22L0307
Client:	Anchor QEA, LLC	Project:	AOC4 UR Phase 3
Instrument ID:	ECD7	Calibration:	FL00010
Lab File ID:	01032302ECD7.D	Calibration Date:	12/03/2022
Sequence:	SLA0079	Injection Date:	01/03/23
Lab Sample ID:	SLA0079-ICV1	Injection Time:	07:15
Sequence Name:	AR1254ICV1		

		CONC. (ug/L)		RESPONSE FACTOR			% DRIFT/DIFF	
COMPOUND	TYPE	STD	ICV	ICAL	ICV	MIN	ICV	LIMIT
Aroclor 1254	A	250.00	298	0.0576965	0.0689945		19.1	+/-20
Aroclor-1254 (1)	A	250.00	261	0.0704377	0.0736720			
Aroclor-1254 (2)	A	250.00	302	0.0273935	0.0330767			
Aroclor-1254 (3)	A	250.00	275	0.0444885	0.0489751			
Aroclor-1254 (4)	A	250.00	316	0.0867185	0.1096457			
Aroclor-1254 (5)	A	250.00	335	0.0594444	0.0796029			
Aroclor 1254 [2C]	A	250.00	253	0.0638047	0.0671879		1.1	+/-20
Aroclor-1254 (1) [2C]	A	250.00	273	0.0515798	0.0564102			
Aroclor-1254 (2) [2C]	A	250.00	147	0.0414689	0.0244517			
Aroclor-1254 (3) [2C]	A	250.00	255	0.0891370	0.0910363			
Aroclor-1254 (4) [2C]	A	250.00	310	0.0923140	0.1143717			
Aroclor-1254 (5) [2C]	A	250.00	279	0.0445236	0.0496696			
Decachlorobiphenyl	A	40.000	48.7	0.7333327	0.8934248		21.8	+/-20 *
Tetrachlorometaxylene	A	40.000	39.3	1.1336710	1.1138250		-1.8	+/-20
Decachlorobiphenyl [2C]	A	40.000	41.8	1.1358180	1.1871690		4.5	+/-20
Tetrachlorometaxylene [2C]	A	40.000	38.5	1.0966080	1.0565620		-3.8	+/-20

* Values outside of QC limits

* Values outside of QC limits

```
                                 Analytical Resources Inc.
                            Dual Column 608/8082 PCB Quantitation Report

 Data file 1: /230103.b/01032302ECD7.D                    ARI ID: AR1254ICV1
 Data file 2: /230103.b/230103.b/01032302ECD7.D           Client ID:
 Method: \\target\share\chem4\ecd7.i\230103.b\PCB.m       Injection Date: 03-JAN-2023 07:15
 Compound Sublist: AR1254.sub                                Report Date: 01/06/2023 17:00
 Instrument, Inj. Vol.: ecd7.i, 2ul                       Matrix: NONE
 Quant Method: Internal Std                               Dilution Factor:  1.0



                                    SURROGATES

        ZB5 Col          |        ZB35 Col          |   ZB5    ZB35
   RT    Shift Response | RT    Shift  Response  |  on col  on col    RPD   Compound/Flag
 ==========================================================================================

  5.830 -0.001   187680 | 5.706  -0.002   123567|   39.3    38.5      2.0    Tetrachloro-m-xylene
 13.904  0.001   329764 |14.128  -0.001   232697|   48.7    41.8     15.3    Decachlorobiphenyl


*  Indicates RPD > 40%




                                INTERNAL STANDARD SUMMARY

                                            Column 1
                                     Standard    Sample
                  Standard Cpnd       Area*       Area      %D
               --------------------------------------------------
                 Bromo-Nitrobenzene    447645      337001  -24.7
                 Hexabromobiphenyl     798898      738202   -7.6

                                            Column 2
                                     Standard    Sample
                  Standard Cpnd       Area*       Area      %D
               --------------------------------------------------
                 Bromo-Nitrobenzene    249094     233904    -6.1
                 Hexabromobiphenyl     362541     392020     8.1


                * Standard Areas taken from Initial Cal Level 3
                  Initial Calibration Date: 03-DEC-2022
               <- Indicates standard response outside Limits (-50 to +100%)
```

```
//target/share/chem4/ecd7.i/230103.b/01032302ECD7.D      AR1254ICV1                    page 2
                            ZB5 Col                                ZB35 Col
 Aroclor    Peak#    RT    Shift    Area    Amount    Peak#   RT     Shift    Area   Amount
 ==========================================================================================
 Aroclor-1254 1   9.311  -0.003     77586   261.5      1    9.457  -0.005    41233   273.4
 Aroclor-1254 2   9.388  -0.005     34834   301.9      2    9.976  -0.002    17873   147.4
 Aroclor-1254 3   9.680  -0.007     51577   275.2      3   10.126  -0.003    66543   255.3
 Aroclor-1254 4   9.814  -0.006    115471   316.1      4   10.374  -0.005    83600   309.7
 Aroclor-1254 5  10.166  -0.010     83832   334.8      5   10.572  -0.004    36306   278.9
       Total Col1Ave (5 peaks):   297.9       Total Col2Ave (5 peaks):   253.0   RPD = 16
       Corrected Ave (4 peaks):   288.7       Corrected Ave (4 peaks):   238.8   RPD = 19

                     CalAmt %D:    19.2                       CalAmt %D:     1.2




 Total PCB Area Col1 (5.932 - 13.803) =    1284705     Col1 Total PCB = 0.4 ppm*

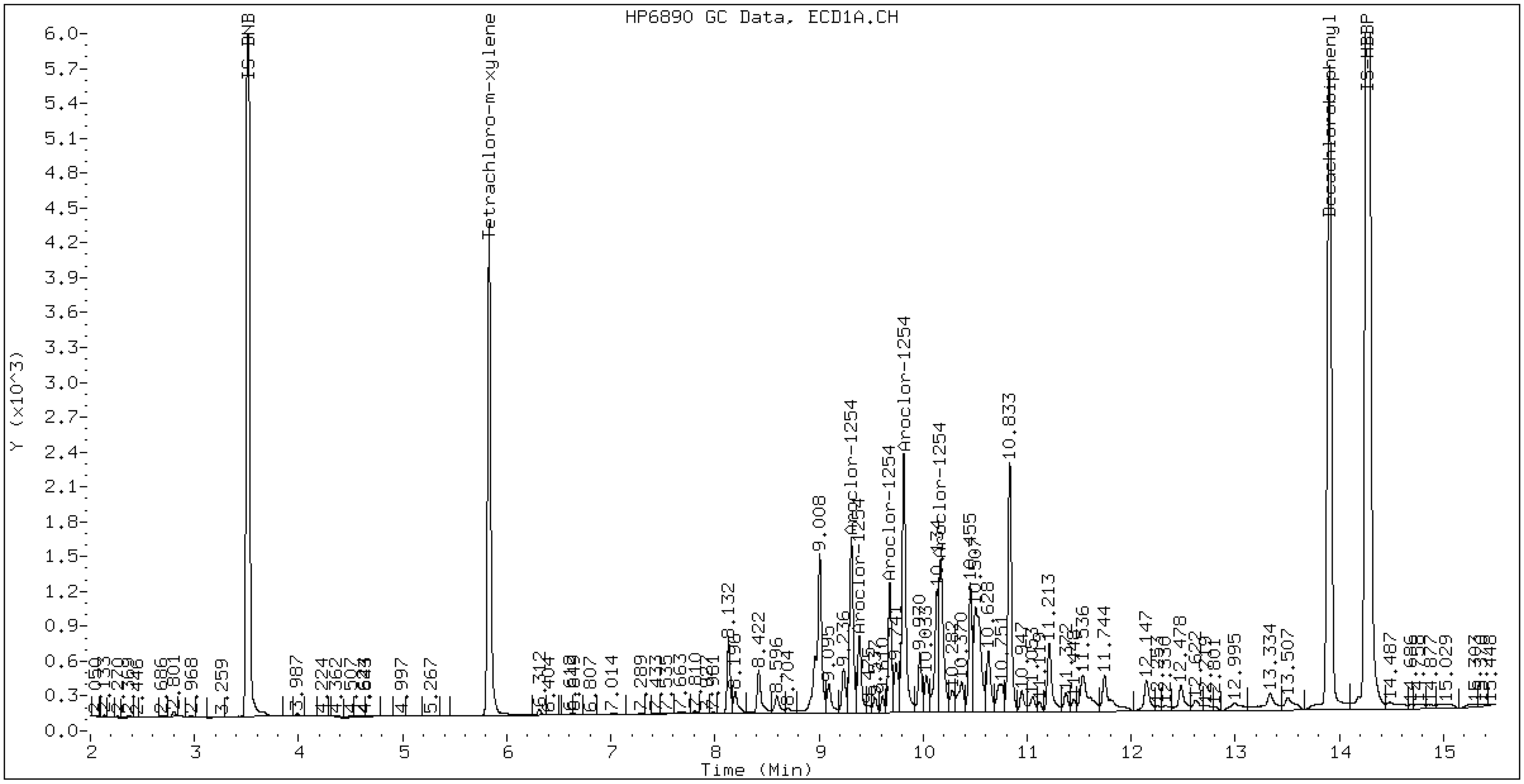
 Total PCB Area Col2 (5.808 - 14.029) =     696798     Col2 Total PCB = 0.3 ppm*

   *  Quantitated against AR1660 0.25ppm in Ical

                                        PCB-Form 10 Mod.
```

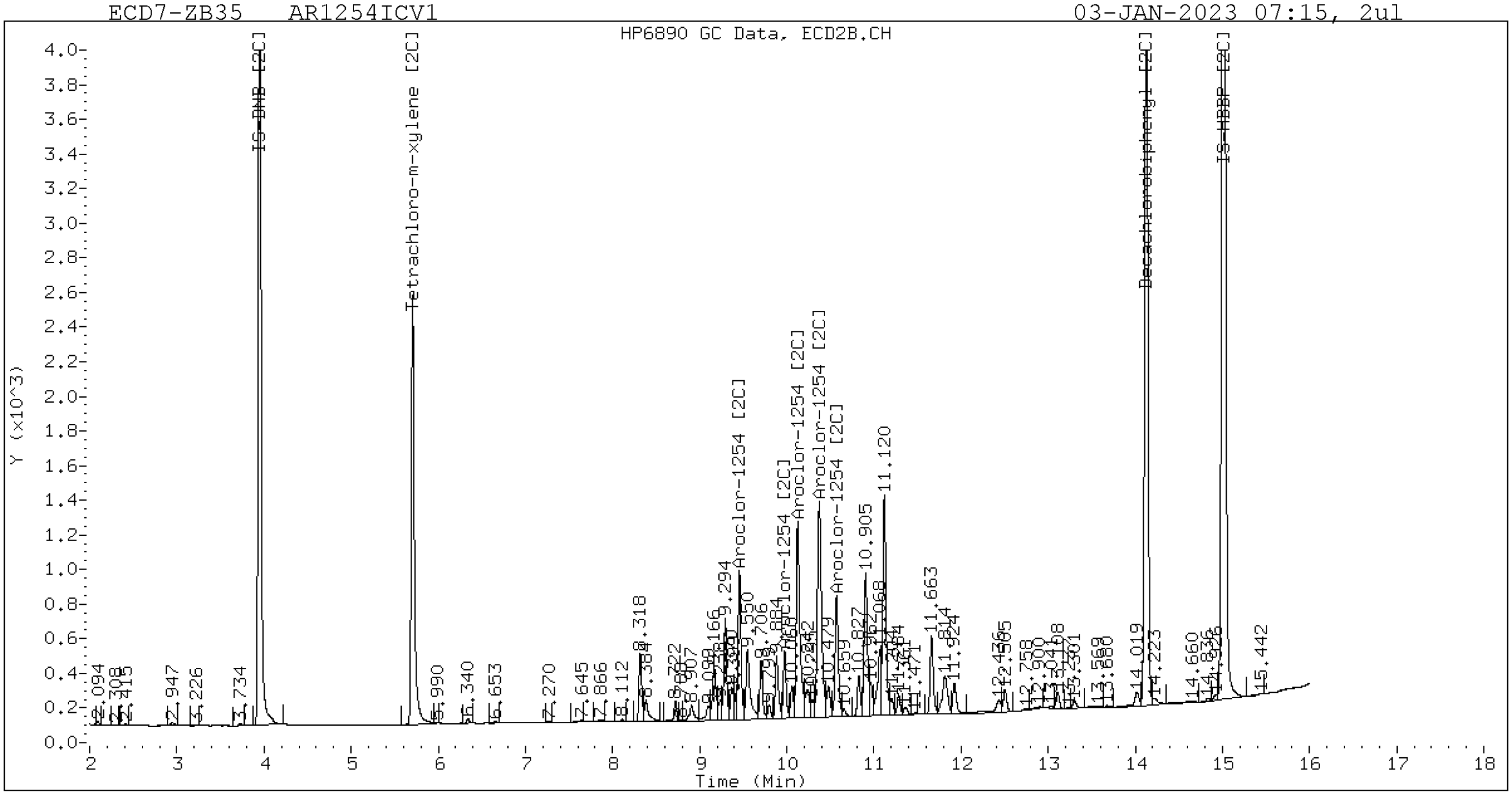
PCB Dual Column Chromatograms

ECD7-ZB5 AR1254ICV1 03-JAN-2023 07:15, 2ul



ZB-5 Manual Integration: YES

ECD7-ZB35 AR1254ICV1 03-JAN-2023 07:15, 2ul

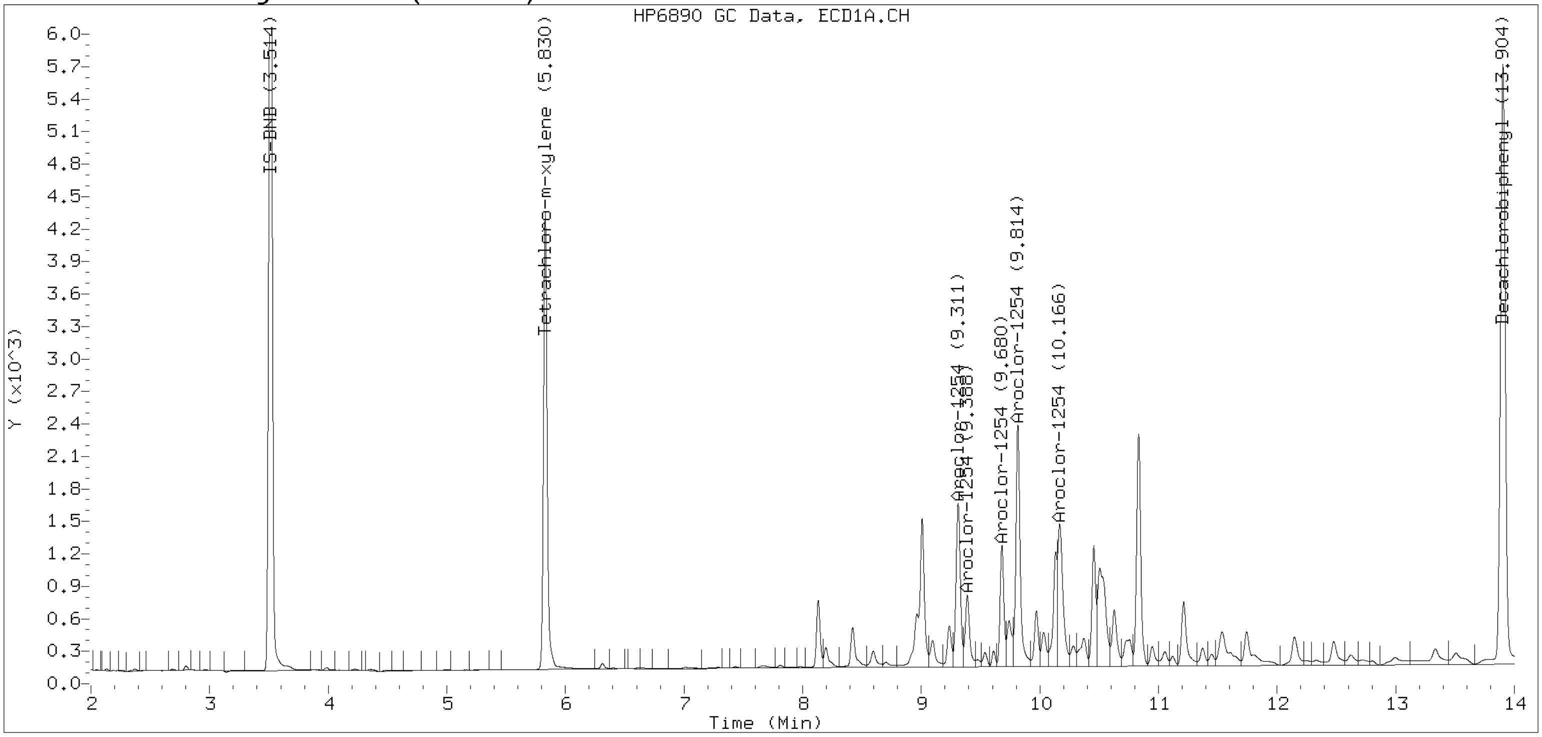


ZB-35 Manual Integration: NO

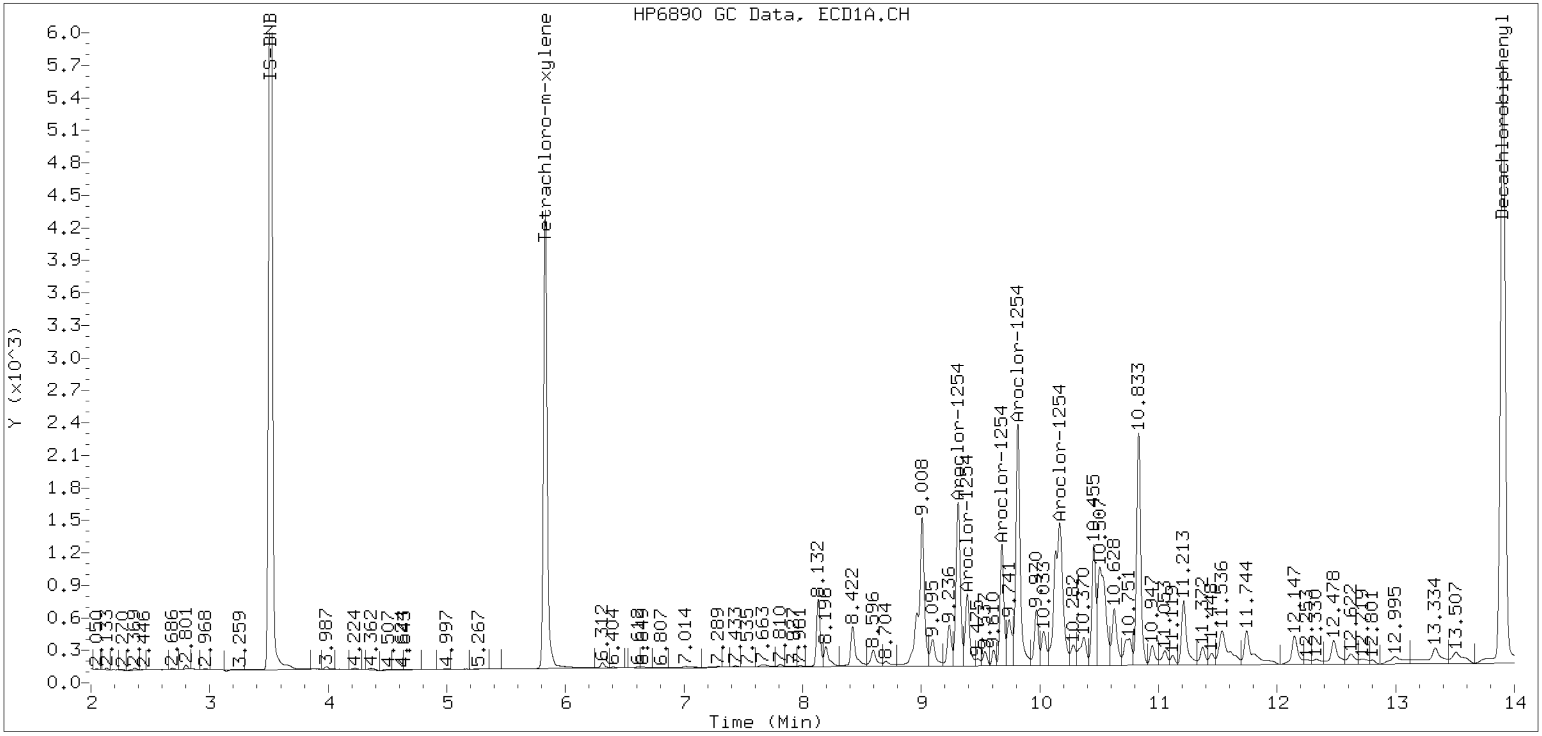
Manual Peak Adjustment, ZB-5

Datafile: ecd7.i/230103.b/01032302ECD7.D   Injection Date: 03-JAN-2023 07:15

Manual Integration (After)



Processed Integration (Before)



INITIAL CALIBRATION CHECK
EPA 8082A

Laboratory:	Analytical Resources, LLC	SDG:	22L0307
Client:	Anchor QEA, LLC	Project:	AOC4 UR Phase 3
Instrument ID:	ECD7	Calibration:	FL00010
Lab File ID:	01032303ECD7.D	Calibration Date:	12/03/2022
Sequence:	SLA0079	Injection Date:	01/03/23
Lab Sample ID:	SLA0079-ICV2	Injection Time:	07:36
Sequence Name:	AR1660ICV2		

COMPOUND	TYPE	CONC. (ug/L)		RESPONSE FACTOR			% DRIFT/DIFF	
		STD	ICV	ICAL	ICV	MIN	ICV	LIMIT
Aroclor 1016	A	250.00	273	0.0441939	0.0481710		9.3	+/-20
Aroclor-1016 (1)	A	250.00	278	0.0266860	0.0296374		11.2	
Aroclor-1016 (2)	A	250.00	275	0.0861572	0.0947116		10.0	
Aroclor-1016 (3)	A	250.00	257	0.0390425	0.0401854		2.8	
Aroclor-1016 (4)	A	250.00	283	0.0248899	0.0281496		13.2	
Aroclor 1016 [2C]	A	250.00	257	0.0467310	0.0454086		2.9	+/-20
Aroclor-1016 (1) [2C]	A	250.00	266	0.0409030	0.0436077		6.4	
Aroclor-1016 (2) [2C]	A	250.00	214	0.0882154	0.0754932		-14.4	
Aroclor-1016 (3) [2C]	A	250.00	261	0.0378846	0.0395488		4.4	
Aroclor-1016 (4) [2C]	A	250.00	288	0.0199212	0.0229846		15.2	
Aroclor 1260	A	250.00	280	0.0390342	0.0434221		11.9	+/-20
Aroclor-1260 (1)	A	250.00	278	0.0291201	0.0324280		11.2	
Aroclor-1260 (2)	A	250.00	279	0.0301181	0.0335990		11.6	
Aroclor-1260 (3)	A	250.00	277	0.0791351	0.0875943		10.8	
Aroclor-1260 (4)	A	250.00	275	0.0403003	0.0443493		10.0	
Aroclor-1260 (5)	A	250.00	290	0.0164974	0.0191401		16.0	
Aroclor 1260 [2C]	A	250.00	201	0.0617619	0.0441614		-19.8	+/-20
Aroclor-1260 (1) [2C]	A	250.00	250	0.0422283	0.0423277		0.0	
Aroclor-1260 (2) [2C]	A	250.00	142	0.1059643	0.0603257		-43.2	
Aroclor-1260 (3) [2C]	A	250.00	248	0.0282173	0.0280554		-0.8	
Aroclor-1260 (4) [2C]	A	250.00	162	0.0706376	0.0459368		-35.2	
Decachlorobiphenyl	A	40.000	46.8	0.7333327	0.8581875		17.0	+/-20
Tetrachlorometaxylene	A	40.000	41.2	1.1336710	1.1663930		3.0	+/-20
Decachlorobiphenyl [2C]	A	40.000	41.6	1.1358180	1.1822340		4.0	+/-20
Tetrachlorometaxylene [2C]	A	40.000	41.3	1.0966080	1.1320960		3.3	+/-20

* Values outside of QC limits

```
                               Analytical Resources Inc.
                          Dual Column 608/8082 PCB Quantitation Report

 Data file 1: /230103.b/01032303ECD7.D                   ARI ID: AR1660ICV2
 Data file 2: /230103.b/230103.b/01032303ECD7.D          Client ID:
 Method: \\target\share\chem4\ecd7.i\230103.b\PCB.m      Injection Date: 03-JAN-2023 07:36
 Compound Sublist: AR1660.sub                               Report Date: 01/06/2023 17:00
 Instrument, Inj. Vol.: ecd7.i, 2ul                      Matrix: NONE
 Quant Method: Internal Std                              Dilution Factor:  1.0



                                  SURROGATES

        ZB5 Col         |       ZB35 Col         |   ZB5    ZB35
   RT    Shift Response | RT    Shift  Response  |  on col  on col    RPD   Compound/Flag
 ========================================================================================

   5.830 -0.002   151150 | 5.707  -0.001   102016|   41.2    41.3      0.3    Tetrachloro-m-xylene
 13.900 -0.003   273909 |14.127  -0.002   199531|   46.8    41.6     11.7    Decachlorobiphenyl


*  Indicates RPD > 40%




                              INTERNAL STANDARD SUMMARY

                                        Column 1
                                  Standard    Sample
                Standard Cpnd       Area*       Area      %D
            --------------------------------------------------
              Bromo-Nitrobenzene    447645      259175  -42.1
              Hexabromobiphenyl     798898      638343  -20.1

                                        Column 2
                                  Standard    Sample
                Standard Cpnd       Area*       Area      %D
            --------------------------------------------------
              Bromo-Nitrobenzene    249094     180225   -27.6
              Hexabromobiphenyl     362541     337549    -6.9


             * Standard Areas taken from Initial Cal Level 3
               Initial Calibration Date: 03-DEC-2022
            <- Indicates standard response outside Limits (-50 to +100%)
```

```
                            ZB5 Col                                ZB35 Col
 Aroclor    Peak#    RT    Shift    Area    Amount    Peak#   RT     Shift    Area   Amount
 ==========================================================================================
 Aroclor-1016 1   7.288  -0.007     24004   277.6      1    7.270  -0.001    24560   266.5
 Aroclor-1016 2   7.671  -0.013     76709   274.8      2    7.869  -0.003    42518   213.9
 Aroclor-1016 3   7.808  -0.010     32547   257.3      3    8.067  -0.004    22274   261.0
 Aroclor-1016 4   8.419  -0.010     22799   282.7      4    8.237  -0.004    12945   288.4
       Total Col1Ave (4 peaks):   273.1       Total Col2Ave (4 peaks):   257.5   RPD = 6
       Corrected Ave (3 peaks):   269.9       Corrected Ave (3 peaks):   247.2   RPD = 9

                    CalAmt %D:     9.3                      CalAmt %D:     3.0

 Aroclor-1260 1  11.053  -0.009     64688   278.4      1   11.660  -0.003    44649   250.6
 Aroclor-1260 2  11.370  -0.007     67024   278.9      2   11.922  -0.004    63634   142.3
 Aroclor-1260 3  11.743  -0.009    174735   276.7      3   12.441  -0.003    29594   248.6
 Aroclor-1260 4  12.145  -0.013     88469   275.1      4   12.506  -0.003    48456   162.6
 Aroclor-1260 5  12.253  -0.008     38181   290.0      NS    ---                     ----
       Total Col1Ave (5 peaks):   279.8       Total Col2Ave (4 peaks):   201.0   RPD = 33
       Corrected Ave (4 peaks):   277.3       Corrected Ave (3 peaks):   184.5   RPD = 40*

                    CalAmt %D:    11.9                      CalAmt %D:   -19.6




 Total PCB Area Col1 (5.932 - 13.803) =    1711502     Col1 Total PCB = 0.7 ppm*

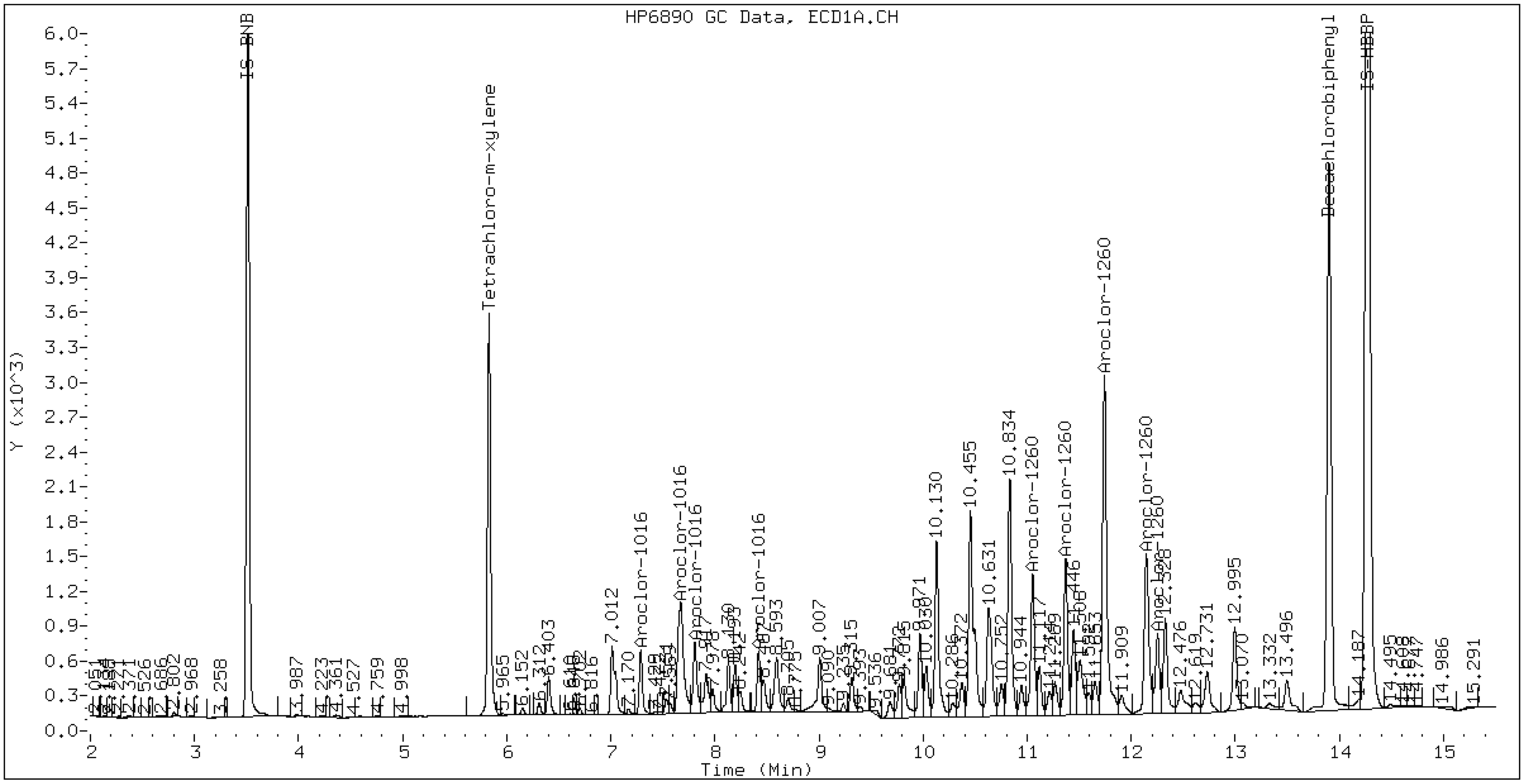
 Total PCB Area Col2 (5.808 - 14.029) =     904180     Col2 Total PCB = 0.5 ppm*


   *  Quantitated against AR1660 0.25ppm in Ical


                                        PCB-Form 10 Mod.
```

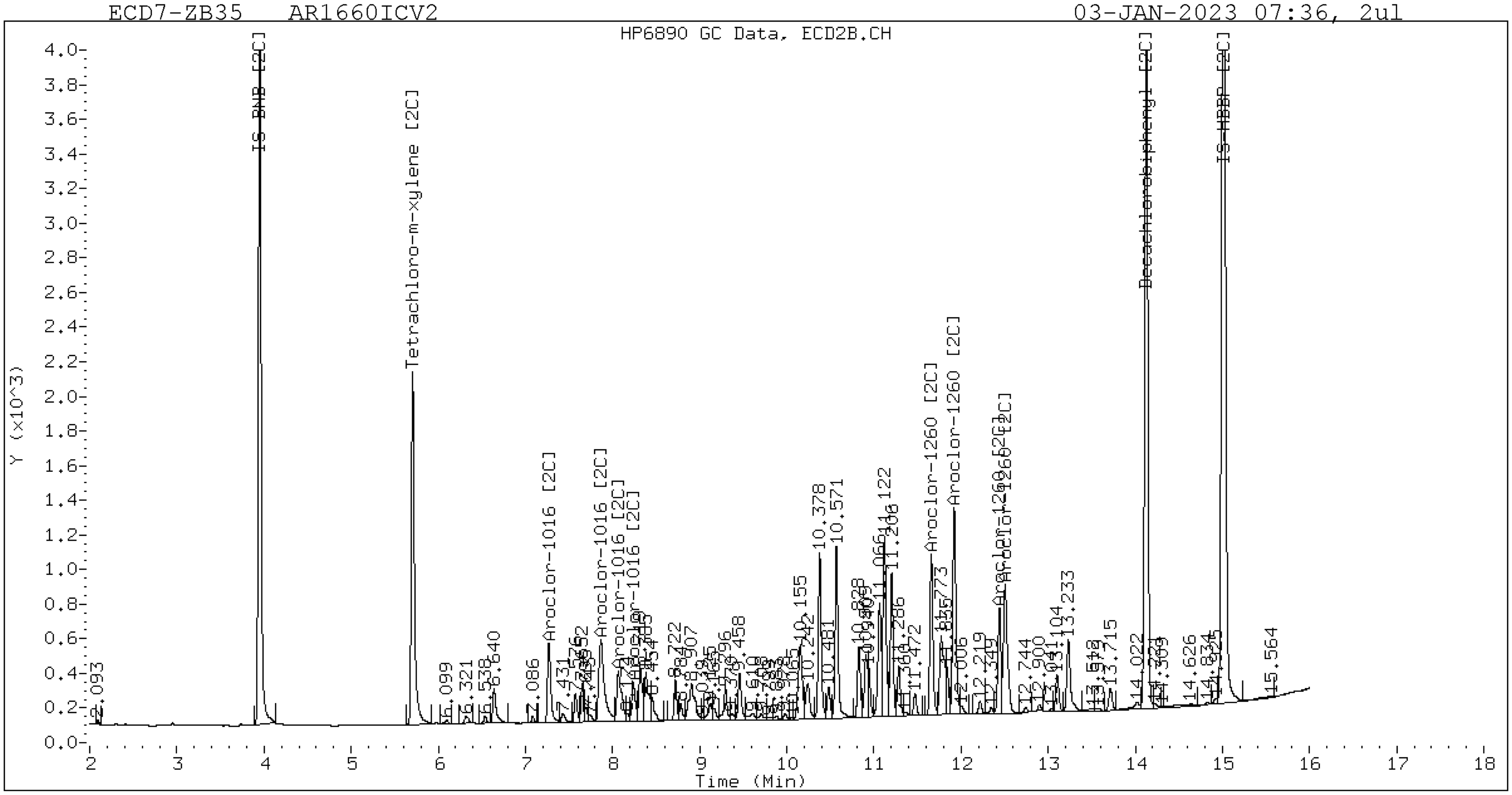
PCB Dual Column Chromatograms

ECD7-ZB5 AR1660ICV2 03-JAN-2023 07:36, 2ul



ZB-5 Manual Integration: NO

ECD7-ZB35 AR1660ICV2 03-JAN-2023 07:36, 2ul



ZB-35 Manual Integration: NO

INITIAL CALIBRATION CHECK

EPA 8082A

Laboratory:	Analytical Resources, LLC	SDG:	22L0307
Client:	Anchor QEA, LLC	Project:	AOC4 UR Phase 3
Instrument ID:	ECD7	Calibration:	FL00010
Lab File ID:	01072302ECD7.D	Calibration Date:	12/03/2022
Sequence:	SLA0099	Injection Date:	01/07/23
Lab Sample ID:	SLA0099-ICV1	Injection Time:	09:37
Sequence Name:	AR1254ICV1		

COMPOUND	TYPE	CONC. (ug/L)		RESPONSE FACTOR			% DRIFT/DIFF		
		STD	ICV	ICAL	ICV	MIN	ICV	LIMIT	
Aroclor 1254	A	250.00	307	0.0576965	0.0714370		23.0	+/-20	*
Aroclor-1254 (1)	A	250.00	267	0.0704377	0.0753488				
Aroclor-1254 (2)	A	250.00	311	0.0273935	0.0341241				
Aroclor-1254 (3)	A	250.00	285	0.0444885	0.0507643				
Aroclor-1254 (4)	A	250.00	335	0.0867185	0.1163693				
Aroclor-1254 (5)	A	250.00	339	0.0594444	0.0805786				
Aroclor 1254 [2C]	A	250.00	263	0.0638047	0.0698219		5.2	+/-20	
Aroclor-1254 (1) [2C]	A	250.00	279	0.0515798	0.0575067				
Aroclor-1254 (2) [2C]	A	250.00	156	0.0414689	0.0258543				
Aroclor-1254 (3) [2C]	A	250.00	261	0.0891370	0.0931518				
Aroclor-1254 (4) [2C]	A	250.00	327	0.0923140	0.1206392				
Aroclor-1254 (5) [2C]	A	250.00	292	0.0445236	0.0519575				
Decachlorobiphenyl	A	40.000	48.7	0.7333327	0.8929606		21.8	+/-20	*
Tetrachlorometaxylene	A	40.000	38.5	1.1336710	1.0920580		-3.8	+/-20	
Decachlorobiphenyl [2C]	A	40.000	41.5	1.1358180	1.1782360		3.8	+/-20	
Tetrachlorometaxylene [2C]	A	40.000	38.2	1.0966080	1.0464450		-4.5	+/-20	

* Values outside of QC limits

* Values outside of QC limits

```
                               Analytical Resources Inc.
                          Dual Column 608/8082 PCB Quantitation Report

Data file 1: /230107.b/01072302ECD7.D                        ARI ID: AR1254ICV1
Data file 2: /230107.b/230107.b/01072302ECD7.D               Client ID:
Method: \\target\share\chem4\ecd7.i\230107.b\PCB.m           Injection Date: 07-JAN-2023 09:37
Compound Sublist: AR1254.sub                                    Report Date: 01/10/2023 09:22
Instrument, Inj. Vol.: ecd7.i, 2ul                           Matrix: NONE
Quant Method: Internal Std                                   Dilution Factor:  1.0



                                  SURROGATES

       ZB5 Col          |       ZB35 Col          |   ZB5    ZB35
  RT    Shift Response | RT    Shift  Response   |  on col  on col    RPD   Compound/Flag
=============================================================================================

  5.831 -0.001   169424 | 5.706  -0.004   106931|   38.5    38.2      0.9    Tetrachloro-m-xylene
 13.904 -0.001   285250 |14.127  -0.002   203707|   48.7    41.5     16.0    Decachlorobiphenyl


*  Indicates RPD > 40%




                             INTERNAL STANDARD SUMMARY

                                         Column 1
                                  Standard    Sample
                Standard Cpnd       Area*       Area      %D
              --------------------------------------------------
                Bromo-Nitrobenzene    447645      310284  -30.7
                Hexabromobiphenyl     798898      638886  -20.0

                                         Column 2
                                  Standard    Sample
                Standard Cpnd       Area*       Area      %D
              --------------------------------------------------
                Bromo-Nitrobenzene    249094     204370   -18.0
                Hexabromobiphenyl     362541     345783    -4.6


               * Standard Areas taken from Initial Cal Level 3
                 Initial Calibration Date: 03-DEC-2022
              <- Indicates standard response outside Limits (-50 to +100%)
```

```
                             ZB5 Col                                 ZB35 Col
Aroclor   Peak#    RT    Shift    Area    Amount    Peak#   RT     Shift    Area   Amount
==========================================================================================
Aroclor-1254 1   9.311  -0.010     73061   267.4      1    9.457   0.000    36727   278.7
Aroclor-1254 2   9.388  -0.014     33088   311.4      2    9.975   0.000    16512   155.9
Aroclor-1254 3   9.679  -0.016     49223   285.3      3   10.126   0.000    59492   261.3
Aroclor-1254 4   9.814  -0.016    112836   335.5      4   10.375   0.000    77047   326.7
Aroclor-1254 5  10.168  -0.022     78132   338.9      5   10.572   0.000    33183   291.7
      Total Col1Ave (5 peaks):   307.7       Total Col2Ave (5 peaks):   262.9   RPD = 16
      Corrected Ave (4 peaks):   299.9       Corrected Ave (4 peaks):   246.9   RPD = 19

                    CalAmt %D:    23.1                      CalAmt %D:     5.1




Total PCB Area Col1 (5.932 - 13.804) =    1189344     Col1 Total PCB = 0.4 ppm*

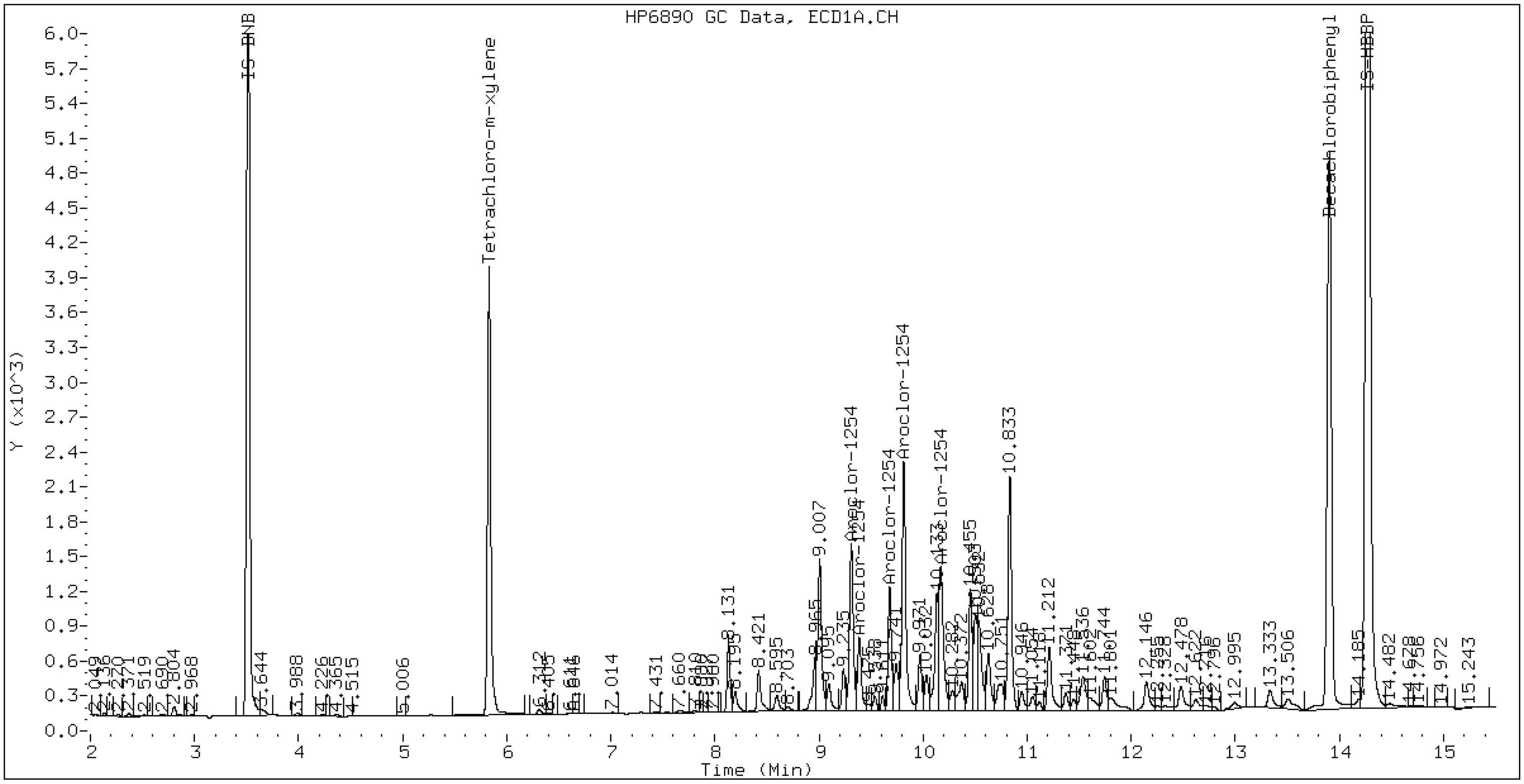
Total PCB Area Col2 (5.810 - 14.029) =     623562     Col2 Total PCB = 0.3 ppm*


  *  Quantitated against AR1660 0.25ppm in Ical


                                        PCB-Form 10 Mod.
```

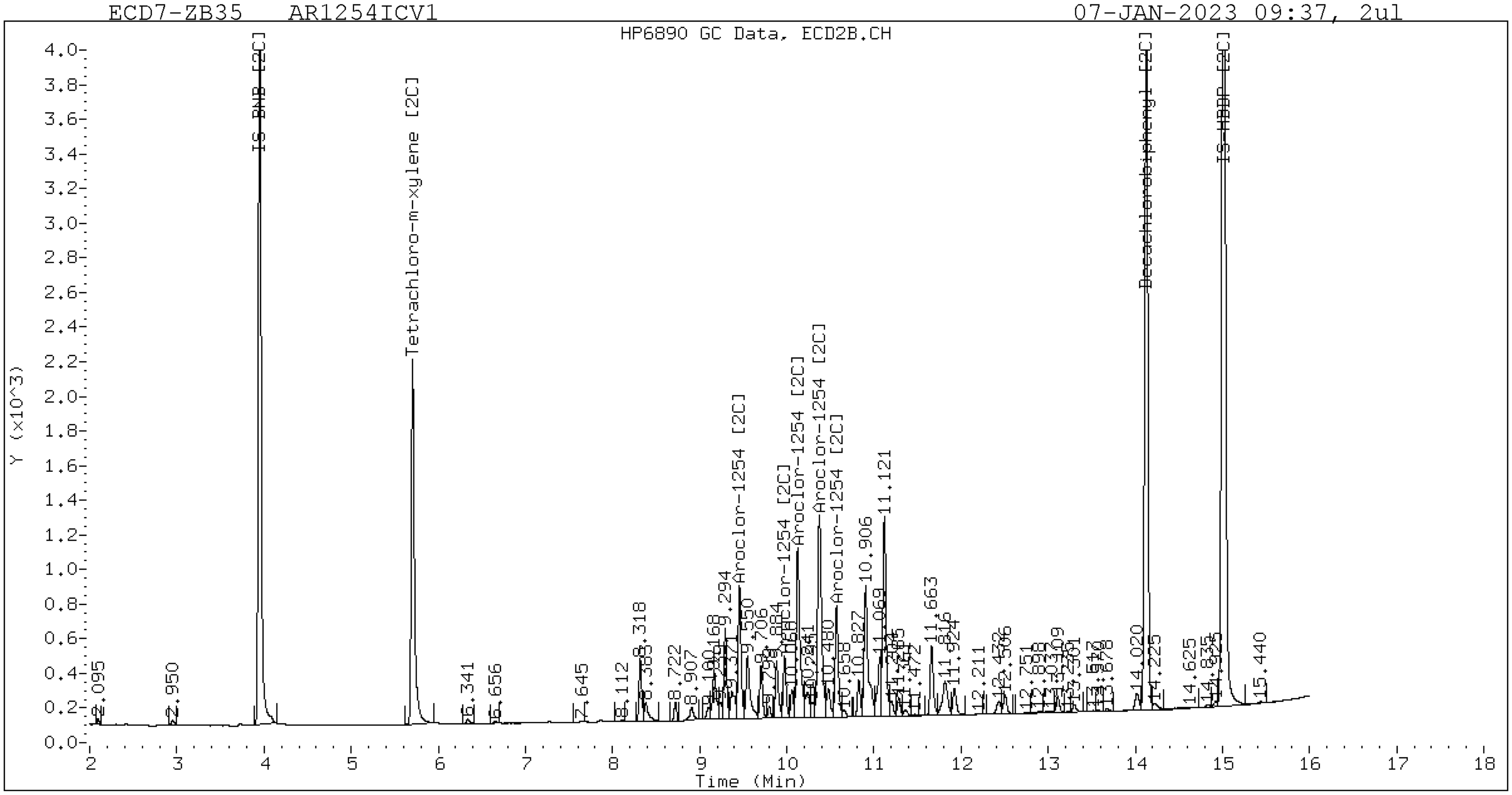
PCB Dual Column Chromatograms

ECD7-ZB5 AR1254ICV1 07-JAN-2023 09:37, 2ul



ZB-5 Manual Integration: NO

ECD7-ZB35 AR1254ICV1 07-JAN-2023 09:37, 2ul



ZB-35 Manual Integration: NO

INITIAL CALIBRATION CHECK
EPA 8082A

Laboratory: Analytical Resources, LLC
Client: Anchor QEA, LLC
Instrument ID: ECD7
Lab File ID: 01072303ECD7.D
Sequence: SLA0099
Lab Sample ID: SLA0099-ICV2
Sequence Name: AR1660ICV2

SDG: 22L0307
Project: AOC4 UR Phase 3
Calibration: FL00010
Calibration Date: 12/03/2022
Injection Date: 01/07/23
Injection Time: 09:58

COMPOUND	TYPE	CONC. (ug/L)		RESPONSE FACTOR			% DRIFT/DIFF	
		STD	ICV	ICAL	ICV	MIN	ICV	LIMIT
Aroclor 1016	A	250.00	342	0.0441939	0.0578588		36.8	+/-20 *
Aroclor-1016 (1)	A	250.00	338	0.0266860	0.0361406		35.2	
Aroclor-1016 (2)	A	250.00	303	0.0861572	0.1043489		21.2	
Aroclor-1016 (3)	A	250.00	327	0.0390425	0.0511350		30.8	
Aroclor-1016 (4)	A	250.00	400	0.0248899	0.0398108		60.0	
Aroclor 1016 [2C]	A	250.00	253	0.0467310	0.0446601		1.0	+/-20
Aroclor-1016 (1) [2C]	A	250.00	260	0.0409030	0.0425739		4.0	
Aroclor-1016 (2) [2C]	A	250.00	210	0.0882154	0.0742879		-16.0	
Aroclor-1016 (3) [2C]	A	250.00	260	0.0378846	0.0394292		4.0	
Aroclor-1016 (4) [2C]	A	250.00	280	0.0199212	0.0223493		12.0	
Aroclor 1260	A	250.00	307	0.0390342	0.0475328		22.8	+/-20 *
Aroclor-1260 (1)	A	250.00	311	0.0291201	0.0361975		24.4	
Aroclor-1260 (2)	A	250.00	306	0.0301181	0.0369207		22.4	
Aroclor-1260 (3)	A	250.00	301	0.0791351	0.0953646		20.4	
Aroclor-1260 (4)	A	250.00	299	0.0403003	0.0481934		19.6	
Aroclor-1260 (5)	A	250.00	318	0.0164974	0.0209879		27.2	
Aroclor 1260 [2C]	A	250.00	214	0.0617619	0.0476369		-14.6	+/-20
Aroclor-1260 (1) [2C]	A	250.00	263	0.0422283	0.0444758		5.2	
Aroclor-1260 (2) [2C]	A	250.00	160	0.1059643	0.0677892		-36.0	
Aroclor-1260 (3) [2C]	A	250.00	257	0.0282173	0.0289949		2.8	
Aroclor-1260 (4) [2C]	A	250.00	174	0.0706376	0.0492876		-30.4	
Decachlorobiphenyl	A	40.000	47.6	0.7333327	0.8727297		19.0	+/-20
Tetrachlorometaxylene	A	40.000	41.6	1.1336710	1.1777360		4.0	+/-20
Decachlorobiphenyl [2C]	A	40.000	41.1	1.1358180	1.1682690		2.8	+/-20
Tetrachlorometaxylene [2C]	A	40.000	40.8	1.0966080	1.1181300		2.0	+/-20

* Values outside of QC limits

```
                                 Analytical Resources Inc.
                            Dual Column 608/8082 PCB Quantitation Report

Data file 1: /230107.b/01072303ECD7.D                        ARI ID: AR1660ICV2
Data file 2: /230107.b/230107.b/01072303ECD7.D               Client ID:
Method: \\target\share\chem4\ecd7.i\230107.b\PCB.m           Injection Date: 07-JAN-2023 09:58
Compound Sublist: AR1660.sub                                    Report Date: 01/10/2023 09:22
Instrument, Inj. Vol.: ecd7.i, 2ul                           Matrix: NONE
Quant Method: Internal Std                                   Dilution Factor:  1.0



                                    SURROGATES

       ZB5 Col         |       ZB35 Col         |   ZB5    ZB35
  RT    Shift Response | RT    Shift  Response  |  on col  on col    RPD   Compound/Flag
============================================================================================

 5.831 -0.001   130976 | 5.707  -0.002    82433|   41.6    40.8      1.9    Tetrachloro-m-xylene
13.902 -0.003   223774 |14.127  -0.002   159467|   47.6    41.1     14.6    Decachlorobiphenyl


*  Indicates RPD > 40%




                               INTERNAL STANDARD SUMMARY

                                           Column 1
                                    Standard    Sample
                  Standard Cpnd       Area*       Area      %D
                --------------------------------------------------
                  Bromo-Nitrobenzene    447645      222420  -50.3 <-
                  Hexabromobiphenyl     798898      512814  -35.8

                                           Column 2
                                    Standard    Sample
                  Standard Cpnd       Area*       Area      %D
                --------------------------------------------------
                  Bromo-Nitrobenzene    249094     147448   -40.8
                  Hexabromobiphenyl     362541     272997   -24.7


                 * Standard Areas taken from Initial Cal Level 3
                   Initial Calibration Date: 03-DEC-2022
                <- Indicates standard response outside Limits (-50 to +100%)
```

```
                            ZB5 Col                               ZB35 Col
 Aroclor   Peak#    RT    Shift    Area    Amount    Peak#   RT     Shift    Area   Amount
 =========================================================================================
 Aroclor-1016 1   7.288  -0.006     25120   338.6      1    7.271  -0.002    19617   260.2
 Aroclor-1016 2   7.673  -0.012     72529   302.8      2    7.869  -0.004    34230   210.5
 Aroclor-1016 3   7.809  -0.008     35542   327.4      3    8.069  -0.002    18168   260.2
 Aroclor-1016 4   8.421  -0.008     27671   399.9      4    8.239  -0.005    10298   280.5
       Total Col1Ave (4 peaks):   342.2       Total Col2Ave (4 peaks):   252.9   RPD = 30
       Corrected Ave (3 peaks):   322.9       Corrected Ave (3 peaks):   243.6   RPD = 28

                     CalAmt %D:    36.9                    CalAmt %D:     1.1

 Aroclor-1260 1  11.053  -0.009     58008   310.8      1   11.661  -0.003    37943   263.3
 Aroclor-1260 2  11.370  -0.007     59167   306.5      2   11.923  -0.005    57832   159.9
 Aroclor-1260 3  11.743  -0.008    152826   301.3      3   12.441  -0.005    24736   256.9
 Aroclor-1260 4  12.147  -0.012     77232   299.0      4   12.506  -0.005    42048   174.4
 Aroclor-1260 5  12.253  -0.009     33634   318.0      NS    ---                     ----
       Total Col1Ave (5 peaks):   307.1       Total Col2Ave (4 peaks):   213.6   RPD = 36
       Corrected Ave (4 peaks):   304.4       Corrected Ave (3 peaks):   197.1   RPD = 43*

                     CalAmt %D:    22.8                    CalAmt %D:   -14.5




 Total PCB Area Col1 (5.932 - 13.804) =    1702109     Col1 Total PCB = 0.8 ppm*

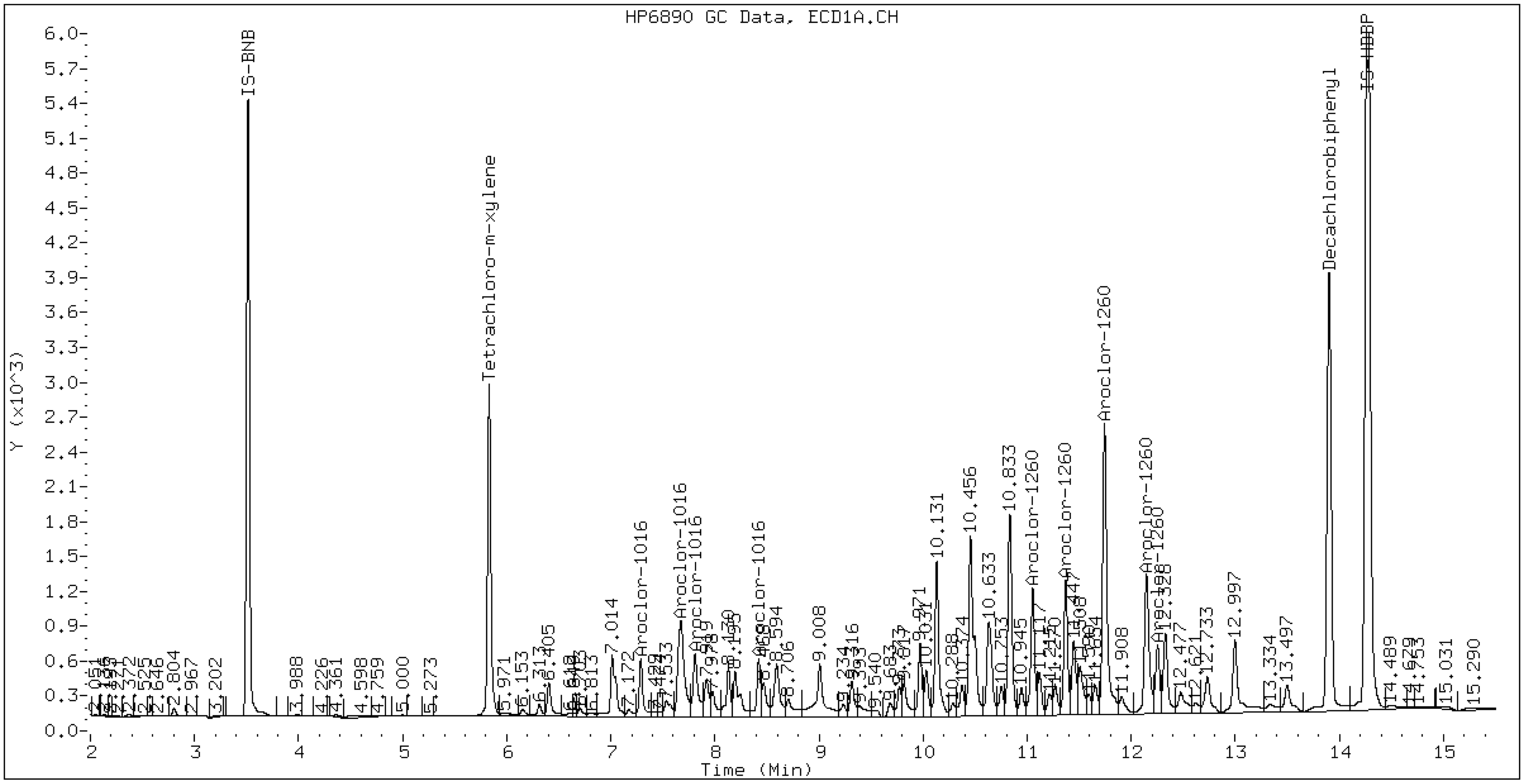
 Total PCB Area Col2 (5.810 - 14.029) =     764165     Col2 Total PCB = 0.6 ppm*


   *  Quantitated against AR1660 0.25ppm in Ical


                                    PCB-Form 10 Mod.
```

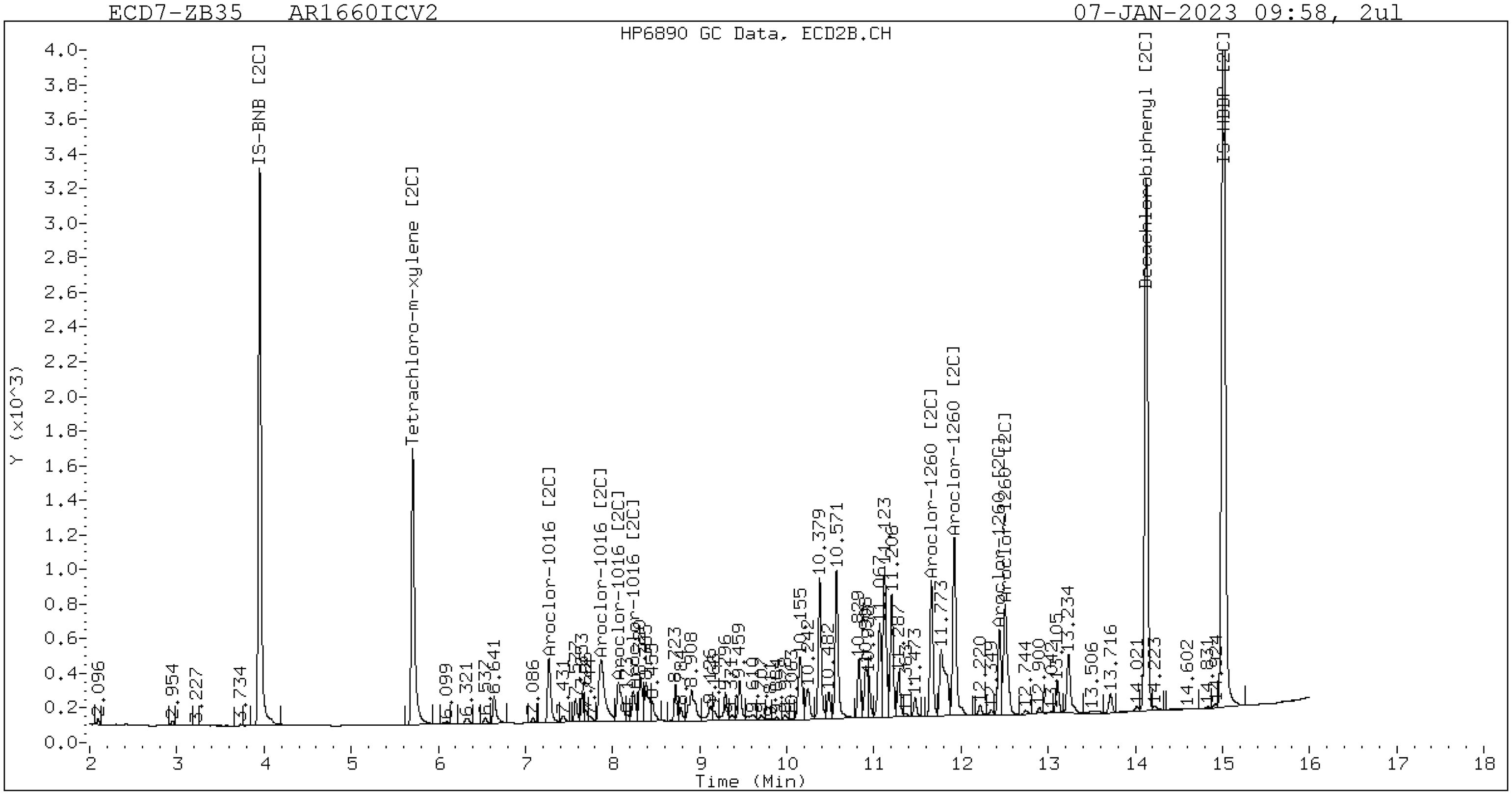
PCB Dual Column Chromatograms

ECD7-ZB5 AR1660ICV2 07-JAN-2023 09:58, 2ul



ZB-5 Manual Integration: NO

ECD7-ZB35 AR1660ICV2 07-JAN-2023 09:58, 2ul



ZB-35 Manual Integration: NO

INITIAL CALIBRATION CHECK

EPA 8082A

Laboratory: Analytical Resources, LLC
Client: Anchor QEA, LLC
Instrument ID: ECD7
Lab File ID: 01092302ECD7.D
Sequence: SLA0129
Lab Sample ID: SLA0129-ICV1
Sequence Name: AR1254ICV1

SDG: 22L0307
Project: AOC4 UR Phase 3
Calibration: FL00010
Calibration Date: 12/03/2022
Injection Date: 01/09/23
Injection Time: 09:24

		CONC. (ug/L)		RESPONSE FACTOR			% DRIFT/DIFF	
COMPOUND	TYPE	STD	ICV	ICAL	ICV	MIN	ICV	LIMIT
Aroclor 1254	A	250.00	286	0.0576965	0.0668078		14.4	+/-20
Aroclor-1254 (1)	A	250.00	292	0.0704377	0.0824052			
Aroclor-1254 (2)	A	250.00	280	0.0273935	0.0307014			
Aroclor-1254 (3)	A	250.00	259	0.0444885	0.0460314			
Aroclor-1254 (4)	A	250.00	298	0.0867185	0.1032987			
Aroclor-1254 (5)	A	250.00	301	0.0594444	0.0716021			
Aroclor 1254 [2C]	A	250.00	291	0.0638047	0.0745795		16.5	+/-20
Aroclor-1254 (1) [2C]	A	250.00	280	0.0515798	0.0578349			
Aroclor-1254 (2) [2C]	A	250.00	288	0.0414689	0.0478304			
Aroclor-1254 (3) [2C]	A	250.00	288	0.0891370	0.1026113			
Aroclor-1254 (4) [2C]	A	250.00	303	0.0923140	0.1117753			
Aroclor-1254 (5) [2C]	A	250.00	297	0.0445236	0.0528458			
Decachlorobiphenyl	A	40.000	41.4	0.7333327	0.7581264		3.4	+/-20
Tetrachlorometaxylene	A	40.000	39.2	1.1336710	1.1107310		-2.0	+/-20
Decachlorobiphenyl [2C]	A	40.000	40.8	1.1358180	1.1582610		2.0	+/-20
Tetrachlorometaxylene [2C]	A	40.000	38.7	1.0966080	1.0616640		-3.2	+/-20

* Values outside of QC limits

* Values outside of QC limits

```
                              Analytical Resources Inc.
                         Dual Column 608/8082 PCB Quantitation Report

Data file 1: /230109.b/01092302ECD7.D                   ARI ID: AR1254I-CV1
Data file 2: /230109.b/230109.b/01092302ECD7.D          Client ID:
Method: \\target\share\chem4\ecd7.i\230109.b\PCB.m      Injection Date: 09-JAN-2023 09:24
Compound Sublist: AR1254.sub                               Report Date: 01/14/2023 11:52
Instrument, Inj. Vol.: ecd7.i, 2ul                      Matrix: NONE
Quant Method: Internal Std                              Dilution Factor:  1.0



                                 SURROGATES

       ZB5 Col         |       ZB35 Col         |   ZB5    ZB35
  RT    Shift Response | RT    Shift  Response  |  on col  on col    RPD   Compound/Flag
============================================================================================

  5.831 -0.005   266054 | 5.706  -0.007   173814|   39.2    38.7      1.2    Tetrachloro-m-xylene
 13.905 -0.003   463191 |14.127  -0.010   361004|   41.4    40.8      1.4    Decachlorobiphenyl


*  Indicates RPD > 40%




                            INTERNAL STANDARD SUMMARY

                                        Column 1
                                 Standard    Sample
            Standard Cpnd          Area*       Area      %D
          --------------------------------------------------
            Bromo-Nitrobenzene    447645      479061    7.0
            Hexabromobiphenyl     798898     1221936   53.0

                                        Column 2
                                 Standard    Sample
            Standard Cpnd          Area*       Area      %D
          --------------------------------------------------
            Bromo-Nitrobenzene    249094     327437    31.5
            Hexabromobiphenyl     362541     623355    71.9


           * Standard Areas taken from Initial Cal Level 3
             Initial Calibration Date: 03-DEC-2022
          <- Indicates standard response outside Limits (-50 to +100%)
```

```
//target/share/chem4/ecd7.i/230109.b/01092302ECD7.D      AR1254I-CV1                    page 2
                            ZB5 Col                                 ZB35 Col
 Aroclor    Peak#    RT    Shift    Area    Amount    Peak#   RT     Shift    Area   Amount
 =========================================================================================
 Aroclor-1254 1    9.313  -0.008    123366   292.5      1    9.458  -0.009    59179   280.3
 Aroclor-1254 2    9.391  -0.010     45962   280.2      2    9.978  -0.009    48942   288.4
 Aroclor-1254 3    9.682  -0.012     68912   258.7      3   10.130  -0.009   104996   287.8
 Aroclor-1254 4    9.821  -0.010    154645   297.8      4   10.380  -0.009   114373   302.7
 Aroclor-1254 5   10.184  -0.006    107193   301.1      5   10.576  -0.011    54074   296.7
       Total Col1Ave (5 peaks):   286.1       Total Col2Ave (5 peaks):   291.2   RPD = 2
       Corrected Ave (4 peaks):   282.3       Corrected Ave (4 peaks):   288.3   RPD = 2




 Total PCB Area Col1 (5.936 - 13.808) =    1587253     Col1 Total PCB = 0.3 ppm*

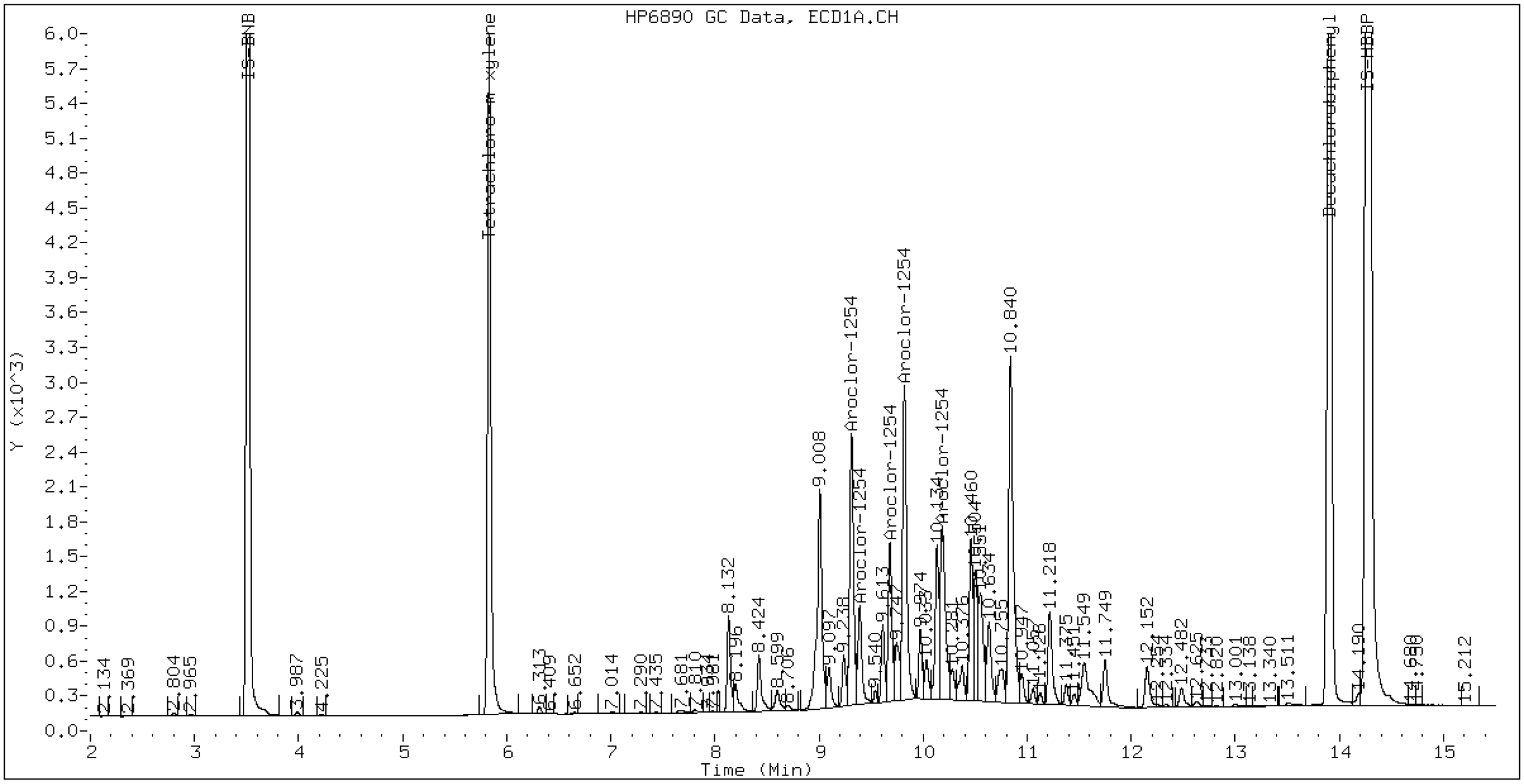
 Total PCB Area Col2 (5.813 - 14.037) =    1014483     Col2 Total PCB = 0.3 ppm*


   *  Quantitated against AR1660 0.25ppm in Ical


                                        PCB-Form 10 Mod.
```

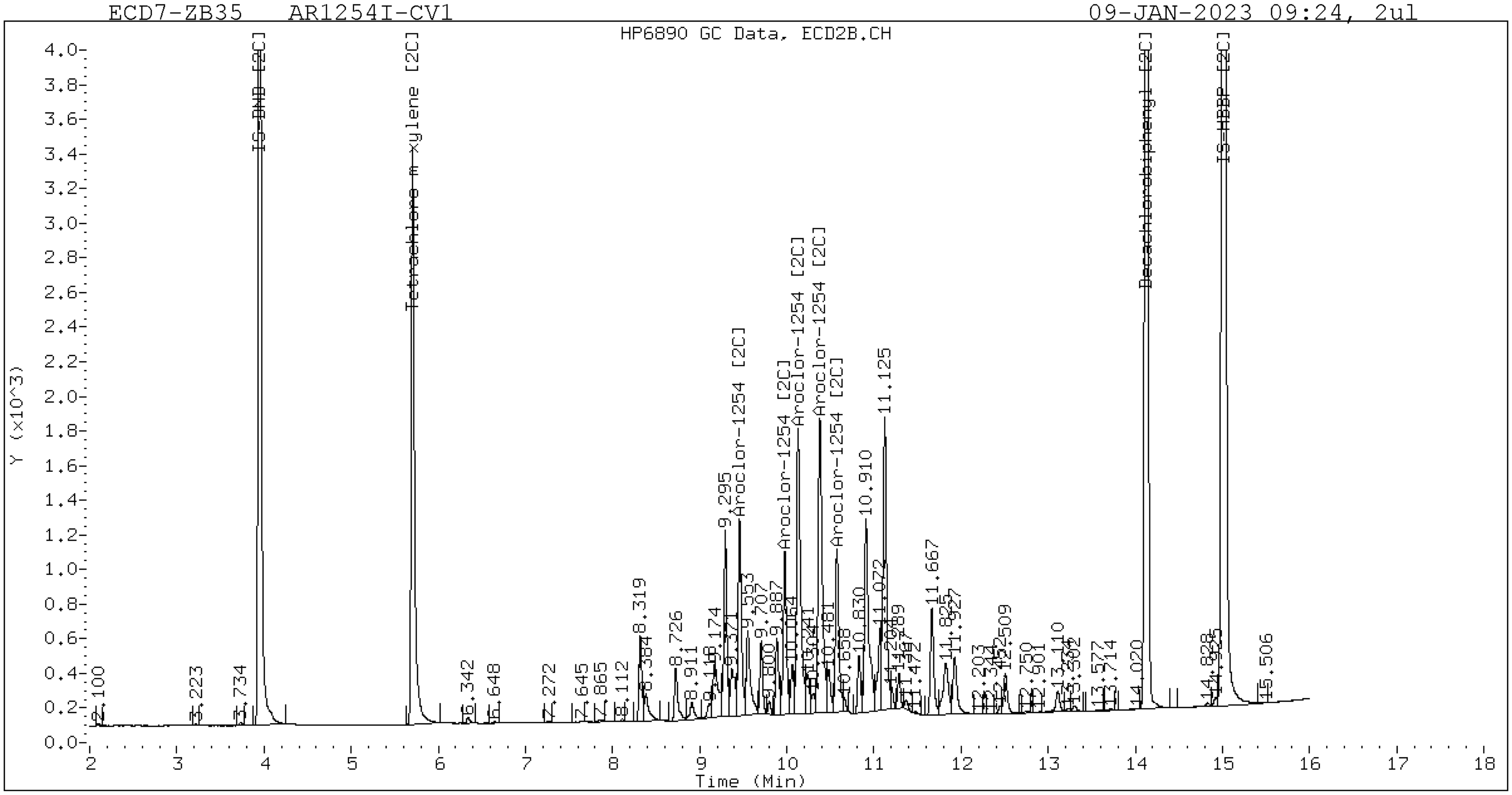
PCB Dual Column Chromatograms

ECD7-ZB5 AR1254I-CV1 09-JAN-2023 09:24, 2ul



ZB-5 Manual Integration: NO

ECD7-ZB35 AR1254I-CV1 09-JAN-2023 09:24, 2ul



ZB-35 Manual Integration: NO

Analytical Resources, LLC
Analytical Chemists and Consultants

INITIAL CALIBRATION CHECK

EPA 8082A

Laboratory:	Analytical Resources, LLC	SDG:	22L0307
Client:	Anchor QEA, LLC	Project:	AOC4 UR Phase 3
Instrument ID:	ECD7	Calibration:	FL00010
Lab File ID:	01092303ECD7.D	Calibration Date:	12/03/2022
Sequence:	SLA0129	Injection Date:	01/09/23
Lab Sample ID:	SLA0129-ICV2	Injection Time:	09:46
Sequence Name:	AR1660ICV2		

		CONC. (ug/L)		RESPONSE FACTOR			% DRIFT/DIFF	
COMPOUND	TYPE	STD	ICV	ICAL	ICV	MIN	ICV	LIMIT
Aroclor 1016	A	250.00	279	0.0441939	0.0490148		11.5	+/-20
Aroclor-1016 (1)	A	250.00	275	0.0266860	0.0293171		9.9	
Aroclor-1016 (2)	A	250.00	274	0.0861572	0.0943600		9.5	
Aroclor-1016 (3)	A	250.00	281	0.0390425	0.0439524		12.6	
Aroclor-1016 (4)	A	250.00	286	0.0248899	0.0284298		14.2	
Aroclor 1016 [2C]	A	250.00	259	0.0467310	0.0481720		3.4	+/-20
Aroclor-1016 (1) [2C]	A	250.00	258	0.0409030	0.0421515		3.1	
Aroclor-1016 (2) [2C]	A	250.00	257	0.0882154	0.0908271		3.0	
Aroclor-1016 (3) [2C]	A	250.00	255	0.0378846	0.0386974		2.1	
Aroclor-1016 (4) [2C]	A	250.00	264	0.0199212	0.0210121		5.5	
Aroclor 1260	A	250.00	237	0.0390342	0.0370330		-5.3	+/-20
Aroclor-1260 (1)	A	250.00	229	0.0291201	0.0266767		-8.4	
Aroclor-1260 (2)	A	250.00	236	0.0301181	0.0284217		-5.6	
Aroclor-1260 (3)	A	250.00	239	0.0791351	0.0757573		-4.3	
Aroclor-1260 (4)	A	250.00	238	0.0403003	0.0384324		-4.6	
Aroclor-1260 (5)	A	250.00	241	0.0164974	0.0158768		-3.8	
Aroclor 1260 [2C]	A	250.00	241	0.0617619	0.0597157		-3.7	+/-20
Aroclor-1260 (1) [2C]	A	250.00	236	0.0422283	0.0398746		-5.6	
Aroclor-1260 (2) [2C]	A	250.00	241	0.1059643	0.1021597		-3.6	
Aroclor-1260 (3) [2C]	A	250.00	239	0.0282173	0.0269709		-4.4	
Aroclor-1260 (4) [2C]	A	250.00	247	0.0706376	0.0698574		-1.1	
Decachlorobiphenyl	A	40.000	39.7	0.7333327	0.7286194		-0.6	+/-20
Tetrachlorometaxylene	A	40.000	43.1	1.1336710	1.2201620		7.6	+/-20
Decachlorobiphenyl [2C]	A	40.000	41.0	1.1358180	1.1638560		2.5	+/-20
Tetrachlorometaxylene [2C]	A	40.000	41.8	1.0966080	1.1455400		4.5	+/-20

* Values outside of QC limits

```
                              Analytical Resources Inc.
                         Dual Column 608/8082 PCB Quantitation Report

Data file 1: /230109.b/01092303ECD7.D                        ARI ID: AR1660-ICV2
Data file 2: /230109.b/230109.b/01092303ECD7.D               Client ID:
Method: \\target\share\chem4\ecd7.i\230109.b\PCB.m           Injection Date: 09-JAN-2023 09:46
Compound Sublist: AR1660.sub                                    Report Date: 01/14/2023 11:52
Instrument, Inj. Vol.: ecd7.i, 2ul                           Matrix: NONE
Quant Method: Internal Std                                   Dilution Factor:  1.0



                                 SURROGATES

       ZB5 Col          |       ZB35 Col         |   ZB5    ZB35
  RT    Shift Response | RT    Shift  Response  |  on col  on col    RPD   Compound/Flag
=========================================================================================

 5.832 -0.004   289545 | 5.708  -0.005   188537|   43.1    41.8      3.0    Tetrachloro-m-xylene
13.903 -0.005   466190 |14.128  -0.009   366077|   39.7    41.0      3.1    Decachlorobiphenyl


*  Indicates RPD > 40%



                             INTERNAL STANDARD SUMMARY

                                       Column 1
                                Standard    Sample
                  Standard Cpnd       Area*       Area      %D
               --------------------------------------------------
                 Bromo-Nitrobenzene    447645      474601    6.0
                 Hexabromobiphenyl     798898     1279653   60.2

                                       Column 2
                                Standard    Sample
                  Standard Cpnd       Area*       Area      %D
               --------------------------------------------------
                 Bromo-Nitrobenzene    249094     329167    32.1
                 Hexabromobiphenyl     362541     629076    73.5


                * Standard Areas taken from Initial Cal Level 3
                  Initial Calibration Date: 03-DEC-2022
               <- Indicates standard response outside Limits (-50 to +100%)
```

```
                           ZB5 Col                                 ZB35 Col
 Aroclor   Peak#    RT    Shift    Area    Amount    Peak#   RT     Shift    Area   Amount
 =========================================================================================
 Aroclor-1016 1   7.288  -0.007     43481   274.6      1    7.270  -0.005    43359   257.6
 Aroclor-1016 2   7.674  -0.010    139948   273.8      2    7.869  -0.001    93429   257.4
 Aroclor-1016 3   7.809  -0.009     65187   281.4      3    8.068  -0.002    39806   255.4
 Aroclor-1016 4   8.421  -0.008     42165   285.6      4    8.239  -0.002    21614   263.7
       Total Col1Ave (4 peaks):   278.9       Total Col2Ave (4 peaks):   258.5   RPD = 8
       Corrected Ave (3 peaks):   276.6       Corrected Ave (3 peaks):   256.8   RPD = 7

 Aroclor-1260 1  11.056  -0.006    106678   229.0      1   11.662  -0.007    78388   236.1
 Aroclor-1260 2  11.373  -0.004    113656   235.9      2   11.926  -0.006   200832   241.0
 Aroclor-1260 3  11.746  -0.006    302947   239.3      3   12.444  -0.008    53021   239.0
 Aroclor-1260 4  12.149  -0.009    153688   238.4      4   12.509  -0.007   137330   247.2
 Aroclor-1260 5  12.255  -0.006     63490   240.6      NS    ---                     ----
       Total Col1Ave (5 peaks):   236.7       Total Col2Ave (4 peaks):   240.8   RPD = 2
       Corrected Ave (4 peaks):   235.7       Corrected Ave (3 peaks):   238.7   RPD = 1




 Total PCB Area Col1 (5.936 - 13.808) =    2930602     Col1 Total PCB = 0.6 ppm*

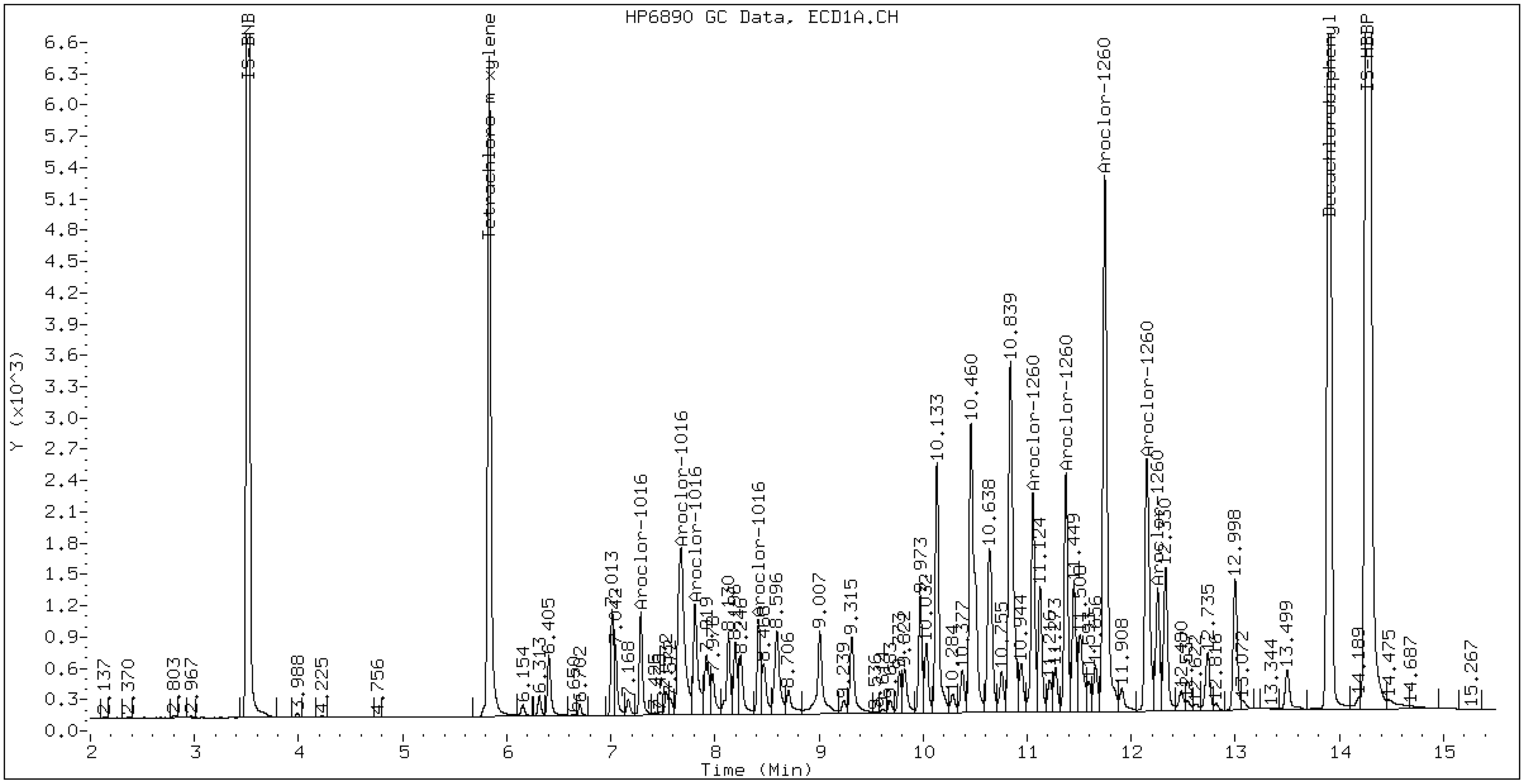
 Total PCB Area Col2 (5.813 - 14.037) =    1817490     Col2 Total PCB = 0.6 ppm*

   *  Quantitated against AR1660 0.25ppm in Ical

                                        PCB-Form 10 Mod.
```

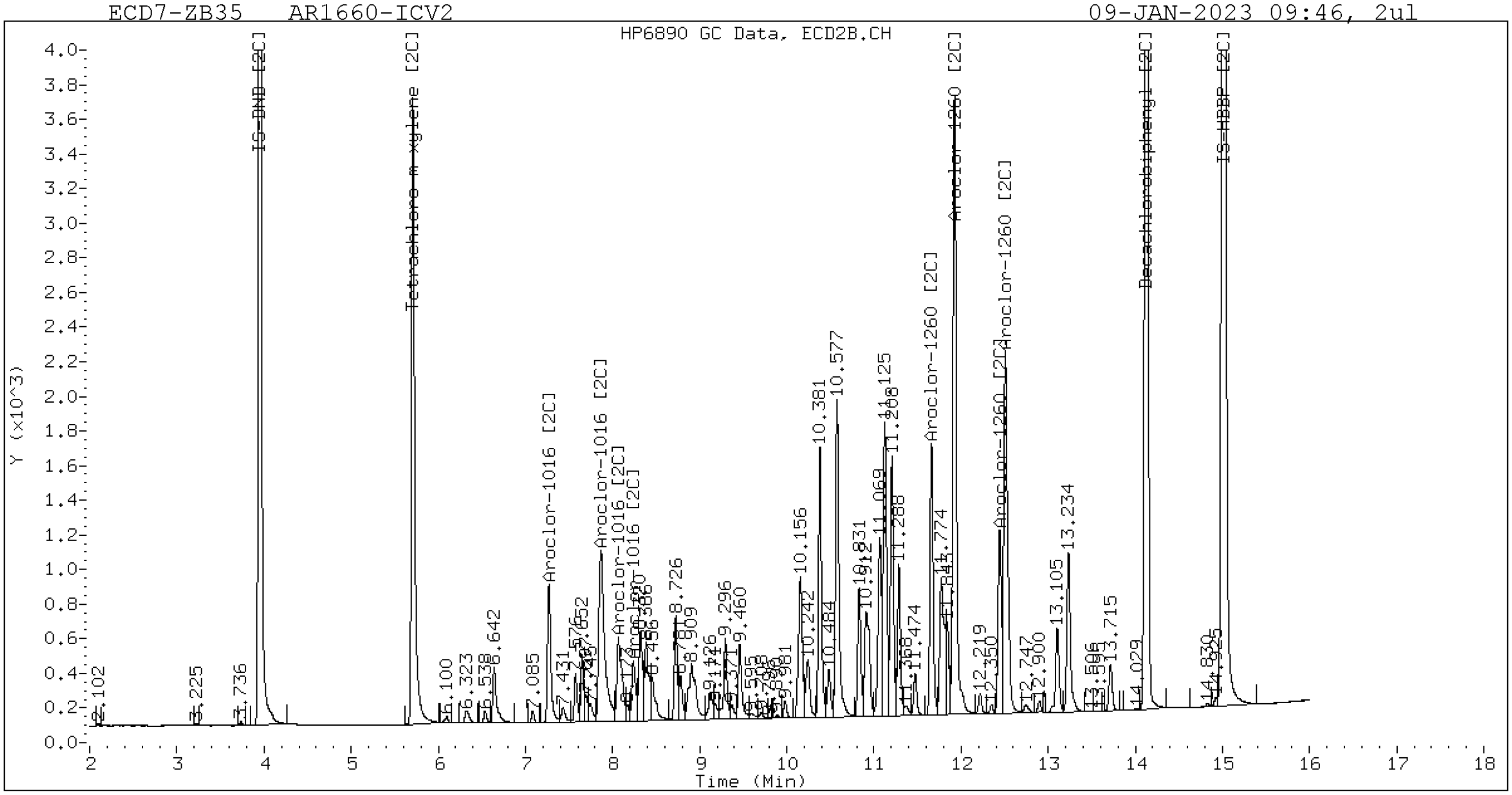
PCB Dual Column Chromatograms

ECD7-ZB5 AR1660-ICV2 09-JAN-2023 09:46, 2ul



ZB-5 Manual Integration: NO

ECD7-ZB35 AR1660-ICV2 09-JAN-2023 09:46, 2ul



ZB-35 Manual Integration: NO

Analytical Resources, LLC
Analytical Chemists and Consultants

INITIAL CALIBRATION CHECK
EPA 8082A

Laboratory: Analytical Resources, LLC

Client: Anchor QEA, LLC

Instrument ID: ECD7

Lab File ID: 01112302ECD7.D

Sequence: SLA0136

Lab Sample ID: SLA0136-ICV1

Sequence Name: AR1254ICV1

SDG: 22L0307

Project: AOC4 UR Phase 3

Calibration: FL00010

Calibration Date: 12/03/2022

Injection Date: 01/11/23

Injection Time: 09:17

		CONC. (ug/L)		RESPONSE FACTOR			% DRIFT/DIFF	
COMPOUND	TYPE	STD	ICV	ICAL	ICV	MIN	ICV	LIMIT
Aroclor 1254	A	250.00	297	0.0576965	0.0689019		19.0	+/-20
Aroclor-1254 (1)	A	250.00	289	0.0704377	0.0813890			
Aroclor-1254 (2)	A	250.00	333	0.0273935	0.0365350			
Aroclor-1254 (3)	A	250.00	232	0.0444885	0.0413666			
Aroclor-1254 (4)	A	250.00	317	0.0867185	0.1100772			
Aroclor-1254 (5)	A	250.00	316	0.0594444	0.0751419			
Aroclor 1254 [2C]	A	250.00	297	0.0638047	0.0753843		18.7	+/-20
Aroclor-1254 (1) [2C]	A	250.00	280	0.0515798	0.0576991			
Aroclor-1254 (2) [2C]	A	250.00	301	0.0414689	0.0499004			
Aroclor-1254 (3) [2C]	A	250.00	276	0.0891370	0.0982815			
Aroclor-1254 (4) [2C]	A	250.00	311	0.0923140	0.1147953			
Aroclor-1254 (5) [2C]	A	250.00	316	0.0445236	0.0562451			
Decachlorobiphenyl	A	40.000	42.9	0.7333327	0.7858020		7.3	+/-20
Tetrachlorometaxylene	A	40.000	37.1	1.1336710	1.0525280		-7.3	+/-20
Decachlorobiphenyl [2C]	A	40.000	41.3	1.1358180	1.1731150		3.3	+/-20
Tetrachlorometaxylene [2C]	A	40.000	36.5	1.0966080	1.0007470		-8.8	+/-20

* Values outside of QC limits

* Values outside of QC limits

```
                              Analytical Resources Inc.
                         Dual Column 608/8082 PCB Quantitation Report

Data file 1: /230111.b/01112302ECD7.D                        ARI ID: AR1254ICV1
Data file 2: /230111.b/230111.b/01112302ECD7.D               Client ID:
Method: \\target\share\chem4\ecd7.i\230111.b\PCB.m           Injection Date: 11-JAN-2023 09:17
Compound Sublist: AR1254.sub                                    Report Date: 01/12/2023 12:15
Instrument, Inj. Vol.: ecd7.i, 2ul                           Matrix: NONE
Quant Method: Internal Std                                   Dilution Factor:  1.0



                                  SURROGATES

       ZB5 Col          |       ZB35 Col          |   ZB5    ZB35
  RT    Shift Response | RT    Shift  Response   |  on col  on col    RPD   Compound/Flag
===========================================================================================

 5.831 -0.000   202961 | 5.707  -0.000   154827|   37.1    36.5      1.7    Tetrachloro-m-xylene
13.906  0.002   342137 |14.128  -0.000   347858|   42.9    41.3      3.7    Decachlorobiphenyl


*  Indicates RPD > 40%




                             INTERNAL STANDARD SUMMARY

                                        Column 1
                                 Standard    Sample
                Standard Cpnd      Area*       Area      %D
              --------------------------------------------------
                Bromo-Nitrobenzene    447645      385664  -13.8
                Hexabromobiphenyl     798898      870797    9.0

                                        Column 2
                                 Standard    Sample
                Standard Cpnd      Area*       Area      %D
              --------------------------------------------------
                Bromo-Nitrobenzene    249094     309423    24.2
                Hexabromobiphenyl     362541     593050    63.6


               * Standard Areas taken from Initial Cal Level 3
                 Initial Calibration Date: 03-DEC-2022
              <- Indicates standard response outside Limits (-50 to +100%)
```

```
                            ZB5 Col                                ZB35 Col
 Aroclor   Peak#    RT    Shift    Area    Amount    Peak#   RT     Shift    Area   Amount
 ==========================================================================================
 Aroclor-1254 1   9.316   0.000    98090   288.9      1    9.461   0.000    55792   279.7
 Aroclor-1254 2   9.394   0.001    44032   333.4      2    9.981   0.000    48251   300.8
 Aroclor-1254 3   9.686   0.000    49855   232.5      3   10.133   0.000    95033   275.6
 Aroclor-1254 4   9.825   0.000   132665   317.3      4   10.383   0.000   111001   310.9
 Aroclor-1254 5  10.191   0.000    90561   316.0      5   10.580   0.000    54386   315.8
       Total Col1Ave (5 peaks):   297.6       Total Col2Ave (5 peaks):   296.6   RPD = 0
       Corrected Ave (4 peaks):   288.7       Corrected Ave (4 peaks):   291.8   RPD = 1

                     CalAmt %D:    19.0                      CalAmt %D:    18.6




 Total PCB Area Col1 (5.932 - 13.804) =    1380601     Col1 Total PCB = 0.4 ppm*

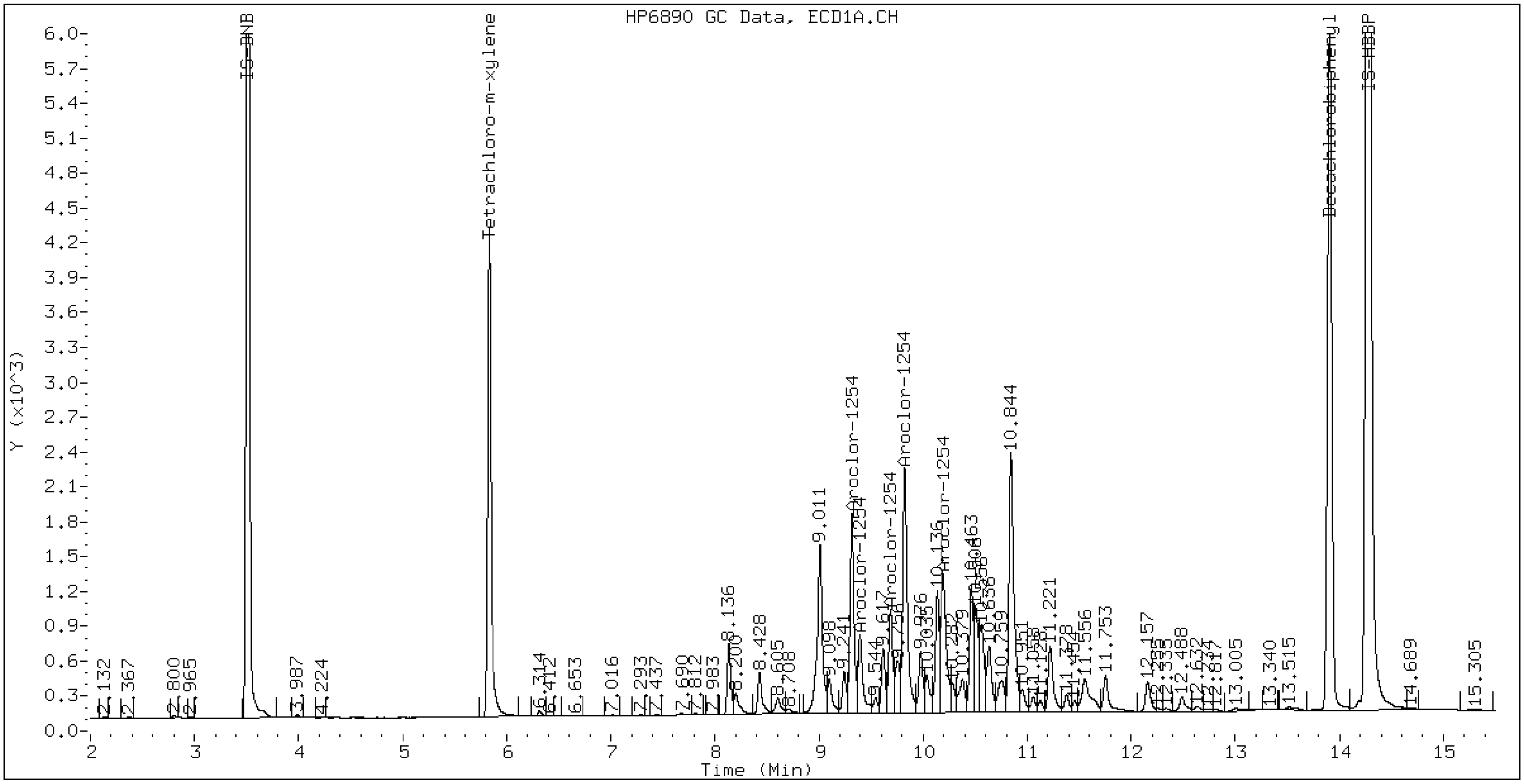
 Total PCB Area Col2 (5.807 - 14.028) =    1001360     Col2 Total PCB = 0.3 ppm*


   *  Quantitated against AR1660 0.25ppm in Ical


                                        PCB-Form 10 Mod.
```

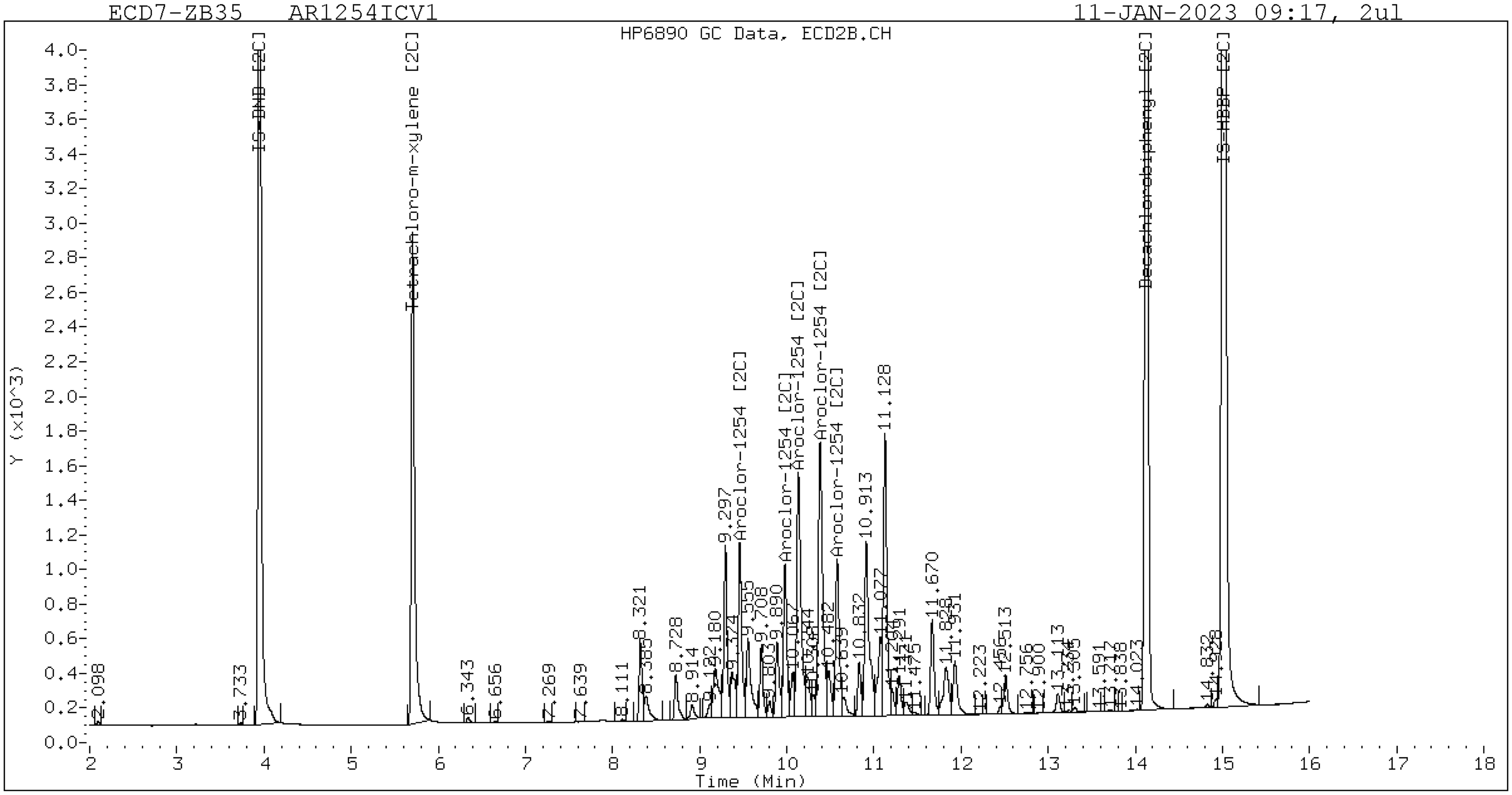
PCB Dual Column Chromatograms

ECD7-ZB5 AR1254ICV1 11-JAN-2023 09:17, 2ul



ZB-5 Manual Integration: NO

ECD7-ZB35 AR1254ICV1 11-JAN-2023 09:17, 2ul

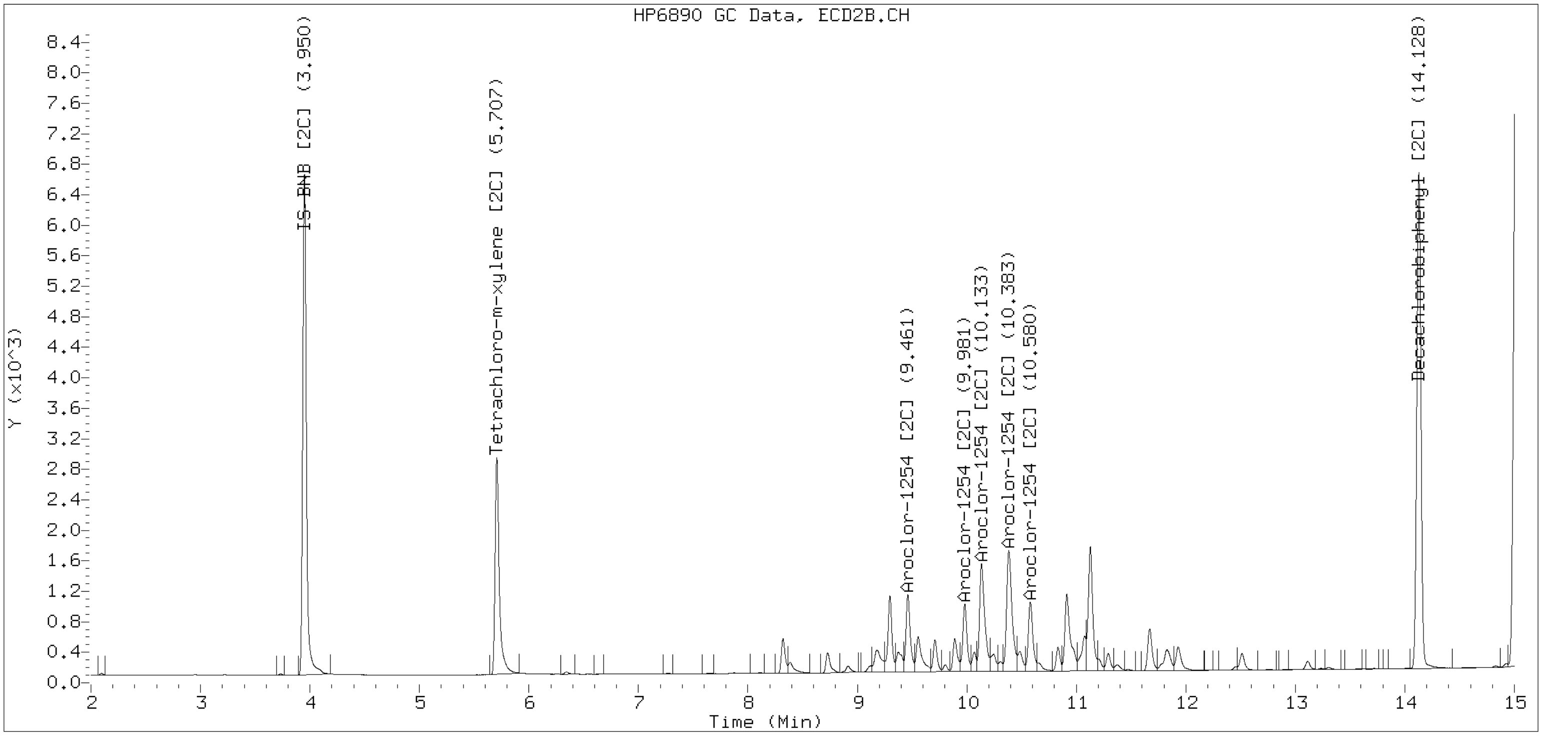


ZB-35 Manual Integration: YES

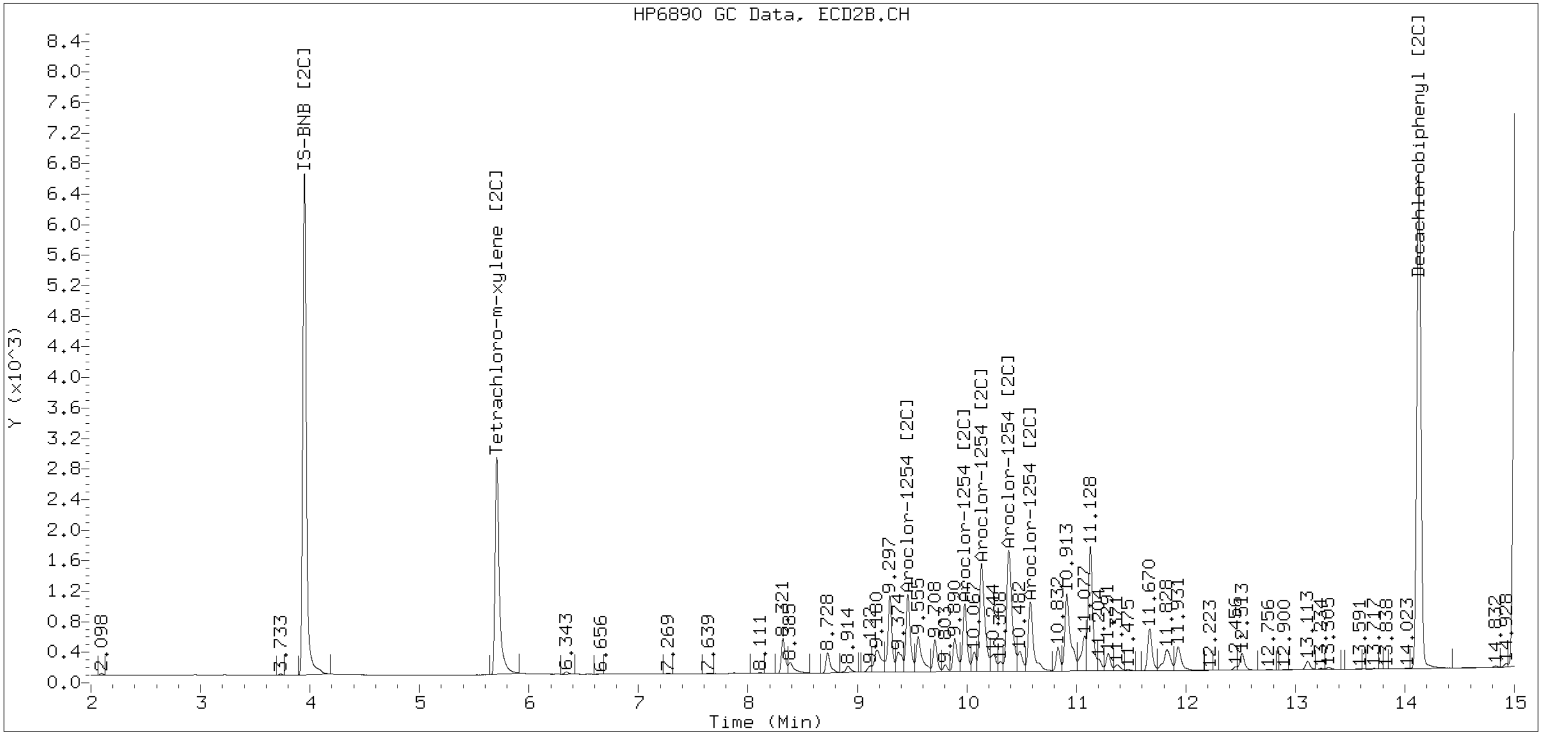
Manual Peak Adjustment, ZB-35

Datafile: ecd7.i/230111.b/230111.b/01112302ECD7.D   Injection Date: 11-JAN-2023

Manual Integration (After)



Processed Integration (Before)



INITIAL CALIBRATION CHECK

EPA 8082A

Laboratory:	Analytical Resources, LLC	SDG:	22L0307
Client:	Anchor QEA, LLC	Project:	AOC4 UR Phase 3
Instrument ID:	ECD7	Calibration:	FL00010
Lab File ID:	01112303ECD7.D	Calibration Date:	12/03/2022
Sequence:	SLA0136	Injection Date:	01/11/23
Lab Sample ID:	SLA0136-ICV2	Injection Time:	09:38
Sequence Name:	AR1660ICV2		

		CONC. (ug/L)		RESPONSE FACTOR			% DRIFT/DIFF	
COMPOUND	TYPE	STD	ICV	ICAL	ICV	MIN	ICV	LIMIT
Aroclor 1016	A	250.00	280	0.0441939	0.0487883		11.8	+/-20
Aroclor-1016 (1)	A	250.00	272	0.0266860	0.0290887		8.8	
Aroclor-1016 (2)	A	250.00	267	0.0861572	0.0919870		6.8	
Aroclor-1016 (3)	A	250.00	290	0.0390425	0.0452911		16.0	
Aroclor-1016 (4)	A	250.00	289	0.0248899	0.0287865		15.6	
Aroclor 1016 [2C]	A	250.00	255	0.0467310	0.0472963		2.0	+/-20
Aroclor-1016 (1) [2C]	A	250.00	253	0.0409030	0.0413782		1.2	
Aroclor-1016 (2) [2C]	A	250.00	250	0.0882154	0.0882621		0.0	
Aroclor-1016 (3) [2C]	A	250.00	255	0.0378846	0.0386567		2.0	
Aroclor-1016 (4) [2C]	A	250.00	262	0.0199212	0.0208880		4.8	
Aroclor 1260	A	250.00	263	0.0390342	0.0409163		5.0	+/-20
Aroclor-1260 (1)	A	250.00	255	0.0291201	0.0297148		2.0	
Aroclor-1260 (2)	A	250.00	263	0.0301181	0.0317126		5.2	
Aroclor-1260 (3)	A	250.00	264	0.0791351	0.0834798		5.6	
Aroclor-1260 (4)	A	250.00	259	0.0403003	0.0417049		3.6	
Aroclor-1260 (5)	A	250.00	272	0.0164974	0.0179696		8.8	
Aroclor 1260 [2C]	A	250.00	230	0.0617619	0.0563793		-7.9	+/-20
Aroclor-1260 (1) [2C]	A	250.00	228	0.0422283	0.0385407		-8.8	
Aroclor-1260 (2) [2C]	A	250.00	222	0.1059643	0.0939518		-11.2	
Aroclor-1260 (3) [2C]	A	250.00	236	0.0282173	0.0266887		-5.6	
Aroclor-1260 (4) [2C]	A	250.00	235	0.0706376	0.0663359		-6.0	
Decachlorobiphenyl	A	40.000	42.9	0.7333327	0.7863606		7.3	+/-20
Tetrachlorometaxylene	A	40.000	41.4	1.1336710	1.1738220		3.5	+/-20
Decachlorobiphenyl [2C]	A	40.000	41.2	1.1358180	1.1685280		3.0	+/-20
Tetrachlorometaxylene [2C]	A	40.000	40.8	1.0966080	1.1199840		2.0	+/-20

* Values outside of QC limits

```
                         Analytical Resources Inc.
                    Dual Column 608/8082 PCB Quantitation Report

 Data file 1: /230111.b/01112303ECD7.D                  ARI ID: AR1660ICV2
 Data file 2: /230111.b/230111.b/01112303ECD7.D         Client ID:
 Method: \\target\share\chem4\ecd7.i\230111.b\PCB.m     Injection Date: 11-JAN-2023 09:38
 Compound Sublist: AR1660.sub                              Report Date: 01/12/2023 12:15
 Instrument, Inj. Vol.: ecd7.i, 2ul                     Matrix: NONE
 Quant Method: Internal Std                             Dilution Factor:  1.0



                                  SURROGATES

        ZB5 Col          |        ZB35 Col          |   ZB5    ZB35
   RT    Shift Response | RT    Shift  Response  |  on col  on col    RPD   Compound/Flag
 ==========================================================================================

  5.831 -0.000   208823 | 5.708   0.001   159414|   41.4    40.9      1.4    Tetrachloro-m-xylene
 13.904 -0.000   329178 |14.129   0.001   318178|   42.9    41.2      4.1    Decachlorobiphenyl


*  Indicates RPD > 40%




                             INTERNAL STANDARD SUMMARY

                                         Column 1
                                  Standard    Sample
                   Standard Cpnd       Area*       Area      %D
               ------------------------------------------------
                 Bromo-Nitrobenzene    447645      355800  -20.5
                 Hexabromobiphenyl     798898      837219    4.8

                                         Column 2
                                  Standard    Sample
                   Standard Cpnd       Area*       Area      %D
               ------------------------------------------------
                 Bromo-Nitrobenzene    249094     284672    14.3
                 Hexabromobiphenyl     362541     544579    50.2


                * Standard Areas taken from Initial Cal Level 3
                  Initial Calibration Date: 03-DEC-2022
               <- Indicates standard response outside Limits (-50 to +100%)
```

```
//target/share/chem4/ecd7.i/230111.b/01112303ECD7.D      AR1660ICV2                          page 2
                            ZB5 Col                              ZB35 Col
 Aroclor    Peak#    RT    Shift    Area    Amount    Peak#   RT     Shift    Area   Amount
 =======================================================================================
 Aroclor-1016 1   7.290  -0.005     32343   272.5      1    7.270  -0.000    36810   252.9
 Aroclor-1016 2   7.679  -0.005    102278   266.9      2    7.872   0.001    78518   250.1
 Aroclor-1016 3   7.812  -0.005     50358   290.0      3    8.071  -0.000    34389   255.1
 Aroclor-1016 4   8.424  -0.005     32007   289.1      4    8.242  -0.000    18582   262.1
       Total Col1Ave (4 peaks):   279.6       Total Col2Ave (4 peaks):   255.1   RPD = 9
       Corrected Ave (3 peaks):   276.2       Corrected Ave (3 peaks):   252.7   RPD = 9

                     CalAmt %D:    11.9                     CalAmt %D:     2.0

 Aroclor-1260 1  11.058  -0.004     77743   255.1      1   11.663   0.001    65589   228.2
 Aroclor-1260 2  11.374  -0.003     82970   263.2      2   11.926   0.000   159888   221.7
 Aroclor-1260 3  11.747  -0.005    218409   263.7      3   12.446   0.001    45419   236.5
 Aroclor-1260 4  12.153  -0.005    109113   258.7      4   12.511   0.001   112891   234.8
 Aroclor-1260 5  12.257  -0.005     47014   272.3      NS    ---                     ----
       Total Col1Ave (5 peaks):   262.6       Total Col2Ave (4 peaks):   230.3   RPD = 13
       Corrected Ave (4 peaks):   260.2       Corrected Ave (3 peaks):   228.2   RPD = 13

                     CalAmt %D:     5.0                     CalAmt %D:    -7.9




 Total PCB Area Col1 (5.932 - 13.804) =    2202416     Col1 Total PCB = 0.6 ppm*

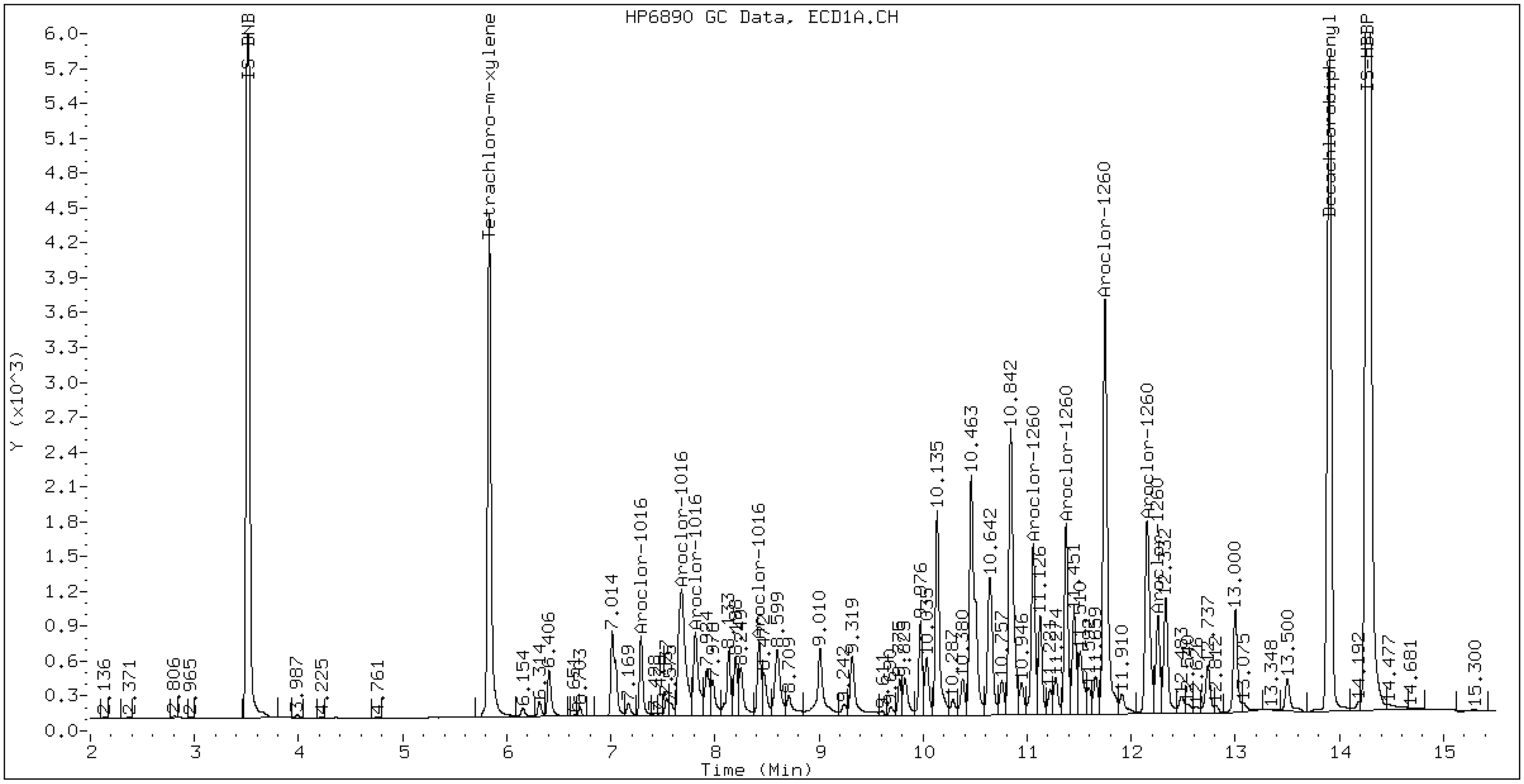
 Total PCB Area Col2 (5.807 - 14.028) =    1530749     Col2 Total PCB = 0.6 ppm*


   *  Quantitated against AR1660 0.25ppm in Ical


                                       PCB-Form 10 Mod.
```

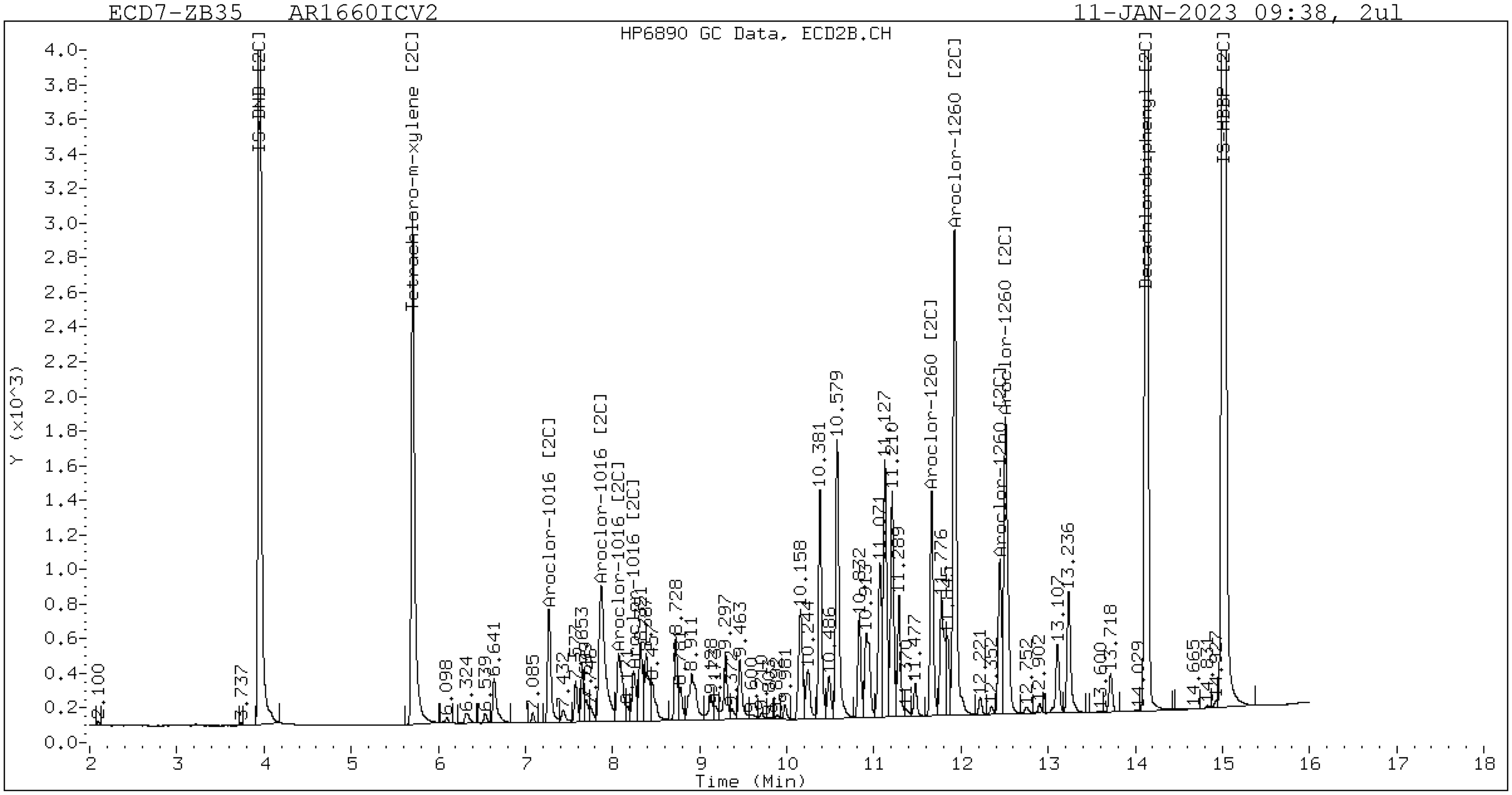
PCB Dual Column Chromatograms

ECD7-ZB5 AR1660ICV2 11-JAN-2023 09:38, 2ul



ZB-5 Manual Integration: NO

ECD7-ZB35 AR1660ICV2 11-JAN-2023 09:38, 2ul



ZB-35 Manual Integration: NO

INITIAL CALIBRATION CHECK

EPA 8082A

Laboratory:	Analytical Resources, LLC	SDG:	22L0307
Client:	Anchor QEA, LLC	Project:	AOC4 UR Phase 3
Instrument ID:	ECD7	Calibration:	FL00010
Lab File ID:	01102302ECD7.D	Calibration Date:	12/03/2022
Sequence:	SLA0156	Injection Date:	01/10/23
Lab Sample ID:	SLA0156-ICV1	Injection Time:	16:50
Sequence Name:	AR1254ICV1		

COMPOUND	TYPE	CONC. (ug/L) STD	CONC. (ug/L) ICV	RESPONSE FACTOR ICAL	RESPONSE FACTOR ICV	RESPONSE FACTOR MIN	% DRIFT/DIFF ICV	% DRIFT/DIFF LIMIT
Aroclor 1254	A	250.00	299	0.0576965	0.0689764		19.8	+/-20
Aroclor-1254 (1)	A	250.00	287	0.0704377	0.0808038			
Aroclor-1254 (2)	A	250.00	339	0.0273935	0.0371420			
Aroclor-1254 (3)	A	250.00	244	0.0444885	0.0434584			
Aroclor-1254 (4)	A	250.00	314	0.0867185	0.1089958			
Aroclor-1254 (5)	A	250.00	313	0.0594444	0.0744819			
Aroclor 1254 [2C]	A	250.00	300	0.0638047	0.0756310		20.1	+/-20
Aroclor-1254 (1) [2C]	A	250.00	277	0.0515798	0.0570930			
Aroclor-1254 (2) [2C]	A	250.00	296	0.0414689	0.0491172			
Aroclor-1254 (3) [2C]	A	250.00	273	0.0891370	0.0973915			
Aroclor-1254 (4) [2C]	A	250.00	302	0.0923140	0.1116427			
Aroclor-1254 (5) [2C]	A	250.00	353	0.0445236	0.0629106			
Decachlorobiphenyl	A	40.000	42.6	0.7333327	0.7811302		6.5	+/-20
Tetrachlorometaxylene	A	40.000	37.2	1.1336710	1.0543560		-7.0	+/-20
Decachlorobiphenyl [2C]	A	40.000	42.3	1.1358180	1.2024940		5.8	+/-20
Tetrachlorometaxylene [2C]	A	40.000	36.5	1.0966080	1.0012200		-8.8	+/-20

* Values outside of QC limits

* Values outside of QC limits

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                              Analytical Resources Inc.
                         Dual Column 608/8082 PCB Quantitation Report

 Data file 1: /230110.b/01102302ECD7.D                  ARI ID: AR1254ICV1
 Data file 2: /230110.b/230110.b/01102302ECD7.D         Client ID:
 Method: \\target\share\chem4\ecd7.i\230110.b\PCB.m     Injection Date: 10-JAN-2023 16:50
 Compound Sublist: AR1254.sub                              Report Date: 01/13/2023 12:56
 Instrument, Inj. Vol.: ecd7.i, 2ul                     Matrix: NONE
 Quant Method: Internal Std                             Dilution Factor:  1.0



                                 SURROGATES

        ZB5 Col          |       ZB35 Col         |   ZB5    ZB35
   RT    Shift Response | RT    Shift  Response  |  on col  on col    RPD   Compound/Flag
 ============================================================================================

  5.832 -0.004   213235 | 5.707  -0.000   154314|   37.2    36.5      1.8    Tetrachloro-m-xylene
 13.903 -0.004   331878 |14.127  -0.001   315811|   42.6    42.3      0.6    Decachlorobiphenyl


*  Indicates RPD > 40%




                            INTERNAL STANDARD SUMMARY

                                        Column 1
                                 Standard    Sample
                  Standard Cpnd       Area*       Area      %D
               -------------------------------------------------
                 Bromo-Nitrobenzene    447645      404484   -9.6
                 Hexabromobiphenyl     798898      849738    6.4

                                        Column 2
                                 Standard    Sample
                  Standard Cpnd       Area*       Area      %D
               -------------------------------------------------
                 Bromo-Nitrobenzene    249094     308252    23.7
                 Hexabromobiphenyl     362541     525260    44.9


                * Standard Areas taken from Initial Cal Level 3
                  Initial Calibration Date: 03-DEC-2022
               <- Indicates standard response outside Limits (-50 to +100%)
```

```
//target/share/chem4/ecd7.i/230110.b/01102302ECD7.D      AR1254ICV1                  page 2
                             ZB5 Col                               ZB35 Col
 Aroclor    Peak#    RT    Shift    Area    Amount    Peak#   RT     Shift    Area   Amount
 ==========================================================================================
 Aroclor-1254 1   9.314  -0.007    102137   286.8      1    9.461  -0.001    54997   276.7
 Aroclor-1254 2   9.394  -0.008     46948   339.0      2    9.980  -0.001    47314   296.1
 Aroclor-1254 3   9.685  -0.010     54932   244.2      3   10.133  -0.001    93816   273.2
 Aroclor-1254 4   9.824  -0.007    137772   314.2      4   10.382  -0.001   107544   302.3
 Aroclor-1254 5  10.191   0.001     94146   313.2      5   10.578  -0.002    60601   353.2
       Total Col1Ave (5 peaks):   299.5       Total Col2Ave (5 peaks):   300.3   RPD = 0
       Corrected Ave (4 peaks):   289.6       Corrected Ave (4 peaks):   287.1   RPD = 1

                     CalAmt %D:    19.8                       CalAmt %D:    20.1




 Total PCB Area Col1 (5.936 - 13.808) =    1448108     Col1 Total PCB = 0.4 ppm*

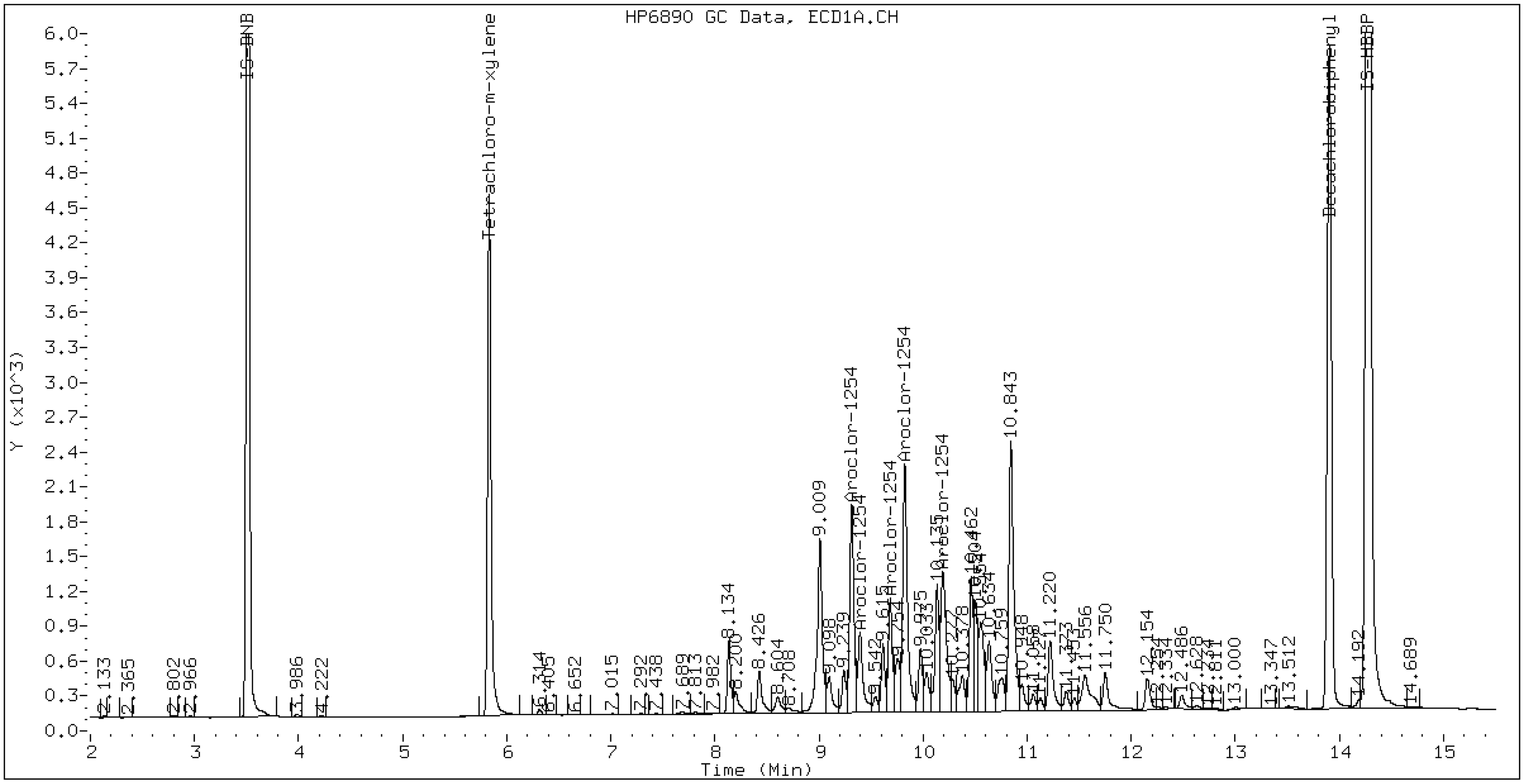
 Total PCB Area Col2 (5.807 - 14.028) =     987378     Col2 Total PCB = 0.3 ppm*


   *  Quantitated against AR1660 0.25ppm in Ical


                                       PCB-Form 10 Mod.
```

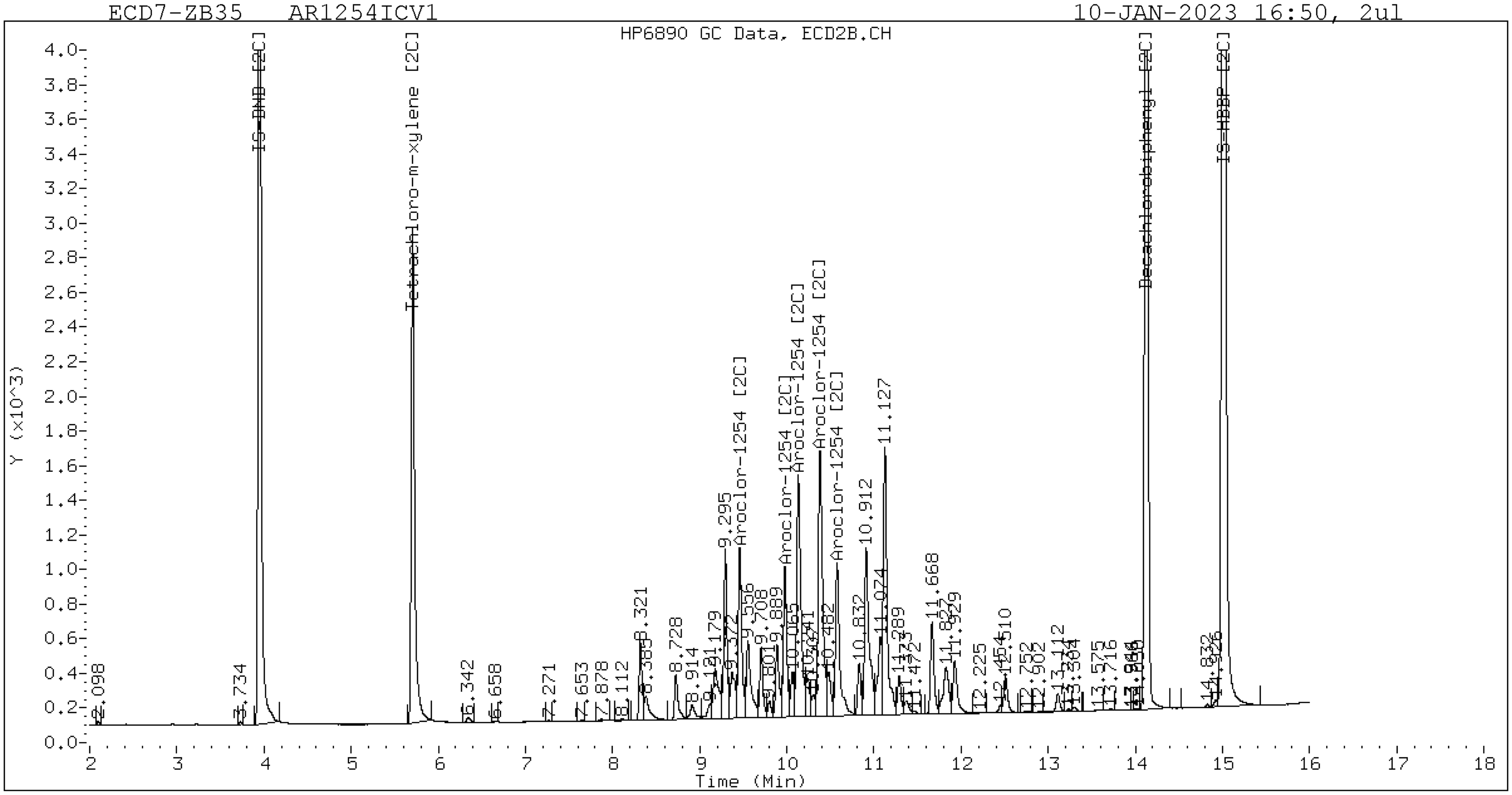
PCB Dual Column Chromatograms

ECD7-ZB5 AR1254ICV1 10-JAN-2023 16:50, 2ul



ZB-5 Manual Integration: NO

ECD7-ZB35 AR1254ICV1 10-JAN-2023 16:50, 2ul



ZB-35 Manual Integration: NO

INITIAL CALIBRATION CHECK
EPA 8082A

Laboratory:	Analytical Resources, LLC	SDG:	22L0307
Client:	Anchor QEA, LLC	Project:	AOC4 UR Phase 3
Instrument ID:	ECD7	Calibration:	FL00010
Lab File ID:	01102303ECD7.D	Calibration Date:	12/03/2022
Sequence:	SLA0156	Injection Date:	01/10/23
Lab Sample ID:	SLA0156-ICV2	Injection Time:	17:11
Sequence Name:	AR1660ICV2		

COMPOUND	TYPE	CONC. (ug/L)		RESPONSE FACTOR			% DRIFT/DIFF	
		STD	ICV	ICAL	ICV	MIN	ICV	LIMIT
Aroclor 1016	A	250.00	277	0.0441939	0.0484464		10.8	+/-20
Aroclor-1016 (1)	A	250.00	270	0.0266860	0.0288789		8.0	
Aroclor-1016 (2)	A	250.00	266	0.0861572	0.0915673		6.4	
Aroclor-1016 (3)	A	250.00	290	0.0390425	0.0452163		16.0	
Aroclor-1016 (4)	A	250.00	282	0.0248899	0.0281228		12.8	
Aroclor 1016 [2C]	A	250.00	248	0.0467310	0.0461378		-0.9	+/-20
Aroclor-1016 (1) [2C]	A	250.00	246	0.0409030	0.0403068		-1.6	
Aroclor-1016 (2) [2C]	A	250.00	245	0.0882154	0.0864713		-2.0	
Aroclor-1016 (3) [2C]	A	250.00	250	0.0378846	0.0378404		0.0	
Aroclor-1016 (4) [2C]	A	250.00	250	0.0199212	0.0199326		0.0	
Aroclor 1260	A	250.00	280	0.0390342	0.0436698		11.8	+/-20
Aroclor-1260 (1)	A	250.00	273	0.0291201	0.0318053		9.2	
Aroclor-1260 (2)	A	250.00	282	0.0301181	0.0339846		12.8	
Aroclor-1260 (3)	A	250.00	283	0.0791351	0.0895828		13.2	
Aroclor-1260 (4)	A	250.00	273	0.0403003	0.0440354		9.2	
Aroclor-1260 (5)	A	250.00	287	0.0164974	0.0189406		14.8	
Aroclor 1260 [2C]	A	250.00	254	0.0617619	0.0629221		1.7	+/-20
Aroclor-1260 (1) [2C]	A	250.00	249	0.0422283	0.0421160		-0.4	
Aroclor-1260 (2) [2C]	A	250.00	253	0.1059643	0.1071508		1.2	
Aroclor-1260 (3) [2C]	A	250.00	254	0.0282173	0.0286380		1.6	
Aroclor-1260 (4) [2C]	A	250.00	261	0.0706376	0.0737835		4.4	
Decachlorobiphenyl	A	40.000	42.0	0.7333327	0.7705197		5.0	+/-20
Tetrachlorometaxylene	A	40.000	41.5	1.1336710	1.1772400		3.8	+/-20
Decachlorobiphenyl [2C]	A	40.000	41.8	1.1358180	1.1878790		4.5	+/-20
Tetrachlorometaxylene [2C]	A	40.000	39.9	1.0966080	1.0949220		-0.3	+/-20

* Values outside of QC limits

```
                                  Analytical Resources Inc.
                             Dual Column 608/8082 PCB Quantitation Report

Data file 1: /230110.b/01102303ECD7.D                        ARI ID: AR1660ICV2
Data file 2: /230110.b/230110.b/01102303ECD7.D               Client ID:
Method: \\target\share\chem4\ecd7.i\230110.b\PCB.m           Injection Date: 10-JAN-2023 17:11
Compound Sublist: AR1660.sub                                    Report Date: 01/13/2023 12:56
Instrument, Inj. Vol.: ecd7.i, 2ul                           Matrix: NONE
Quant Method: Internal Std                                   Dilution Factor:  1.0



                                     SURROGATES

       ZB5 Col         |       ZB35 Col         |   ZB5    ZB35
   RT    Shift Response | RT    Shift  Response  |  on col  on col    RPD   Compound/Flag
===========================================================================================

  5.831 -0.005   223449 | 5.707   0.000   159107|   41.5    39.9      3.9    Tetrachloro-m-xylene
 13.902 -0.006   322622 |14.127  -0.001   300322|   42.0    41.8      0.5    Decachlorobiphenyl


*  Indicates RPD > 40%




                                INTERNAL STANDARD SUMMARY

                                            Column 1
                                     Standard    Sample
                   Standard Cpnd       Area*       Area      %D
               --------------------------------------------------
                 Bromo-Nitrobenzene    447645      379615  -15.2
                 Hexabromobiphenyl     798898      837414    4.8

                                            Column 2
                                     Standard    Sample
                   Standard Cpnd       Area*       Area      %D
               --------------------------------------------------
                 Bromo-Nitrobenzene    249094     290627    16.7
                 Hexabromobiphenyl     362541     505644    39.5


                * Standard Areas taken from Initial Cal Level 3
                  Initial Calibration Date: 03-DEC-2022
               <- Indicates standard response outside Limits (-50 to +100%)
```

```
                            ZB5 Col                          ZB35 Col
 Aroclor   Peak#    RT    Shift    Area    Amount    Peak#   RT     Shift    Area   Amount
 =========================================================================================
 Aroclor-1016 1   7.289  -0.006     34259   270.5      1    7.271  -0.001    36607   246.4
 Aroclor-1016 2   7.679  -0.005    108626   265.7      2    7.873   0.001    78534   245.1
 Aroclor-1016 3   7.812  -0.006     53640   289.5      3    8.070  -0.000    34367   249.7
 Aroclor-1016 4   8.423  -0.007     33362   282.5      4    8.242   0.000    18103   250.1
       Total Col1Ave (4 peaks):   277.1       Total Col2Ave (4 peaks):   247.8   RPD = 11
       Corrected Ave (3 peaks):   272.9       Corrected Ave (3 peaks):   247.0   RPD = 10

                    CalAmt %D:    10.8                     CalAmt %D:    -0.9

 Aroclor-1260 1  11.058  -0.005     83232   273.1      1   11.662  -0.000    66549   249.3
 Aroclor-1260 2  11.373  -0.004     88935   282.1      2   11.927   0.001   169313   252.8
 Aroclor-1260 3  11.747  -0.005    234431   283.0      3   12.444  -0.000    45252   253.7
 Aroclor-1260 4  12.151  -0.007    115237   273.2      4   12.510  -0.000   116588   261.1
 Aroclor-1260 5  12.256  -0.005     49566   287.0      NS    ---                      ----
       Total Col1Ave (5 peaks):   279.7       Total Col2Ave (4 peaks):   254.2   RPD = 10
       Corrected Ave (4 peaks):   277.8       Corrected Ave (3 peaks):   252.0   RPD = 10

                    CalAmt %D:    11.9                     CalAmt %D:     1.7




 Total PCB Area Col1 (5.936 - 13.808) =    2334196     Col1 Total PCB = 0.6 ppm*

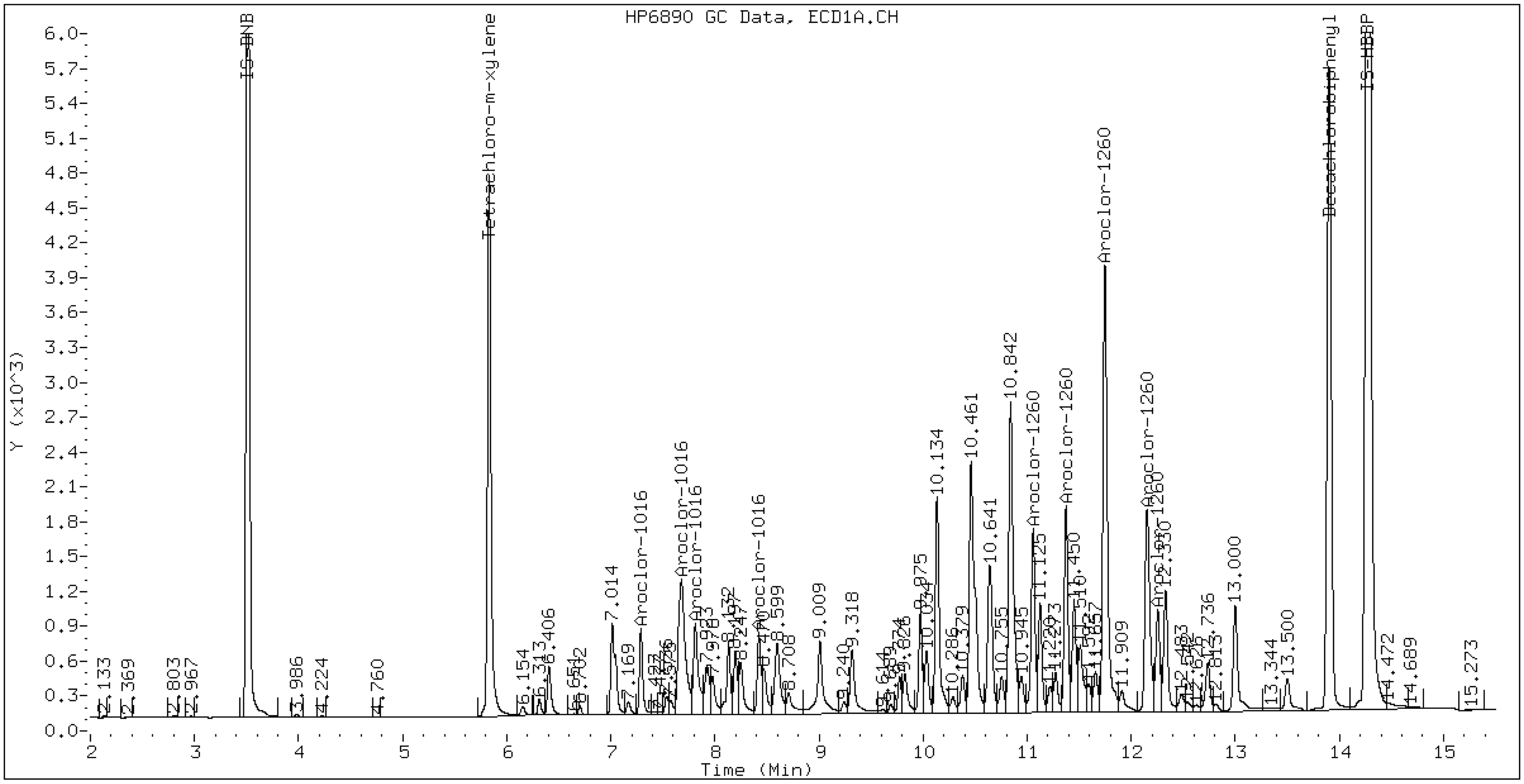
 Total PCB Area Col2 (5.807 - 14.028) =    1550493     Col2 Total PCB = 0.6 ppm*


   *  Quantitated against AR1660 0.25ppm in Ical


                                        PCB-Form 10 Mod.
```

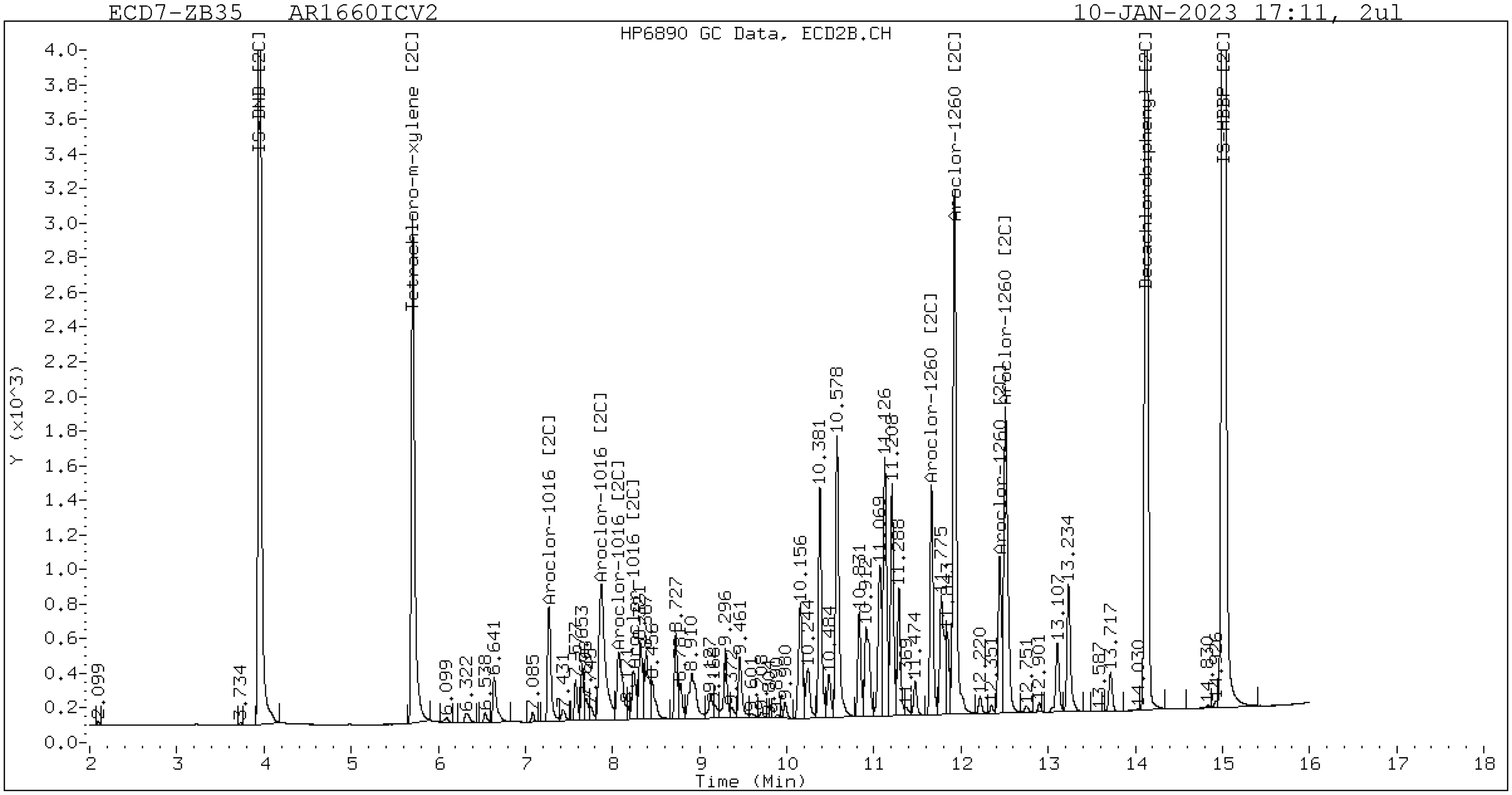
PCB Dual Column Chromatograms

ECD7-ZB5 AR1660ICV2 10-JAN-2023 17:11, 2ul



ZB-5 Manual Integration: NO

ECD7-ZB35 AR1660ICV2 10-JAN-2023 17:11, 2ul



ZB-35 Manual Integration: NO

Analytical Resources, LLC
Analytical Chemists and Consultants

SECOND-SOURCE
CONTINUING CALIBRATION CHECK
EPA 8082A

Laboratory:	Analytical Resources, LLC	SDG:	22L0307
Client:	Anchor QEA, LLC	Project:	AOC4 UR Phase 3
Instrument ID:	ECD7	Calibration:	FL00010
Lab File ID:	12032222ECD7.D	Calibration Date:	12/03/2022
Sequence:	SKL0048	Injection Date:	12/03/22
Lab Sample ID:	SKL0048-SCV1	Injection Time:	22:13
Sequence Name:	AR1660SCV1		

		CONC. (ug/L)		RESPONSE FACTOR (RRF)			% DRIFT/DIFF	
COMPOUND	TYPE	STD	CCV	ICAL	CCV	MIN	CCV	LIMIT
Aroclor 1016	A	250.00	223	0.0441939	0.0392295		-10.7	+/-20
Aroclor 1016 [2C]	A	250.00	216	0.0467310	0.0403426		-13.5	+/-20
Aroclor 1260	A	250.00	285	0.0390342	0.0441447		14.1	+/-20
Aroclor 1260 [2C]	A	250.00	263	0.0617619	0.0651122		5.1	+/-20
Decachlorobiphenyl	A	40.000	39.8	0.7333327	0.7297174		-0.5	+/-20
Tetrachlorometaxylene	A	40.000	36.1	1.1336710	1.0237520		-9.7	+/-20
Decachlorobiphenyl [2C]	A	40.000	38.2	1.1358180	1.0840850		-4.6	+/-20
Tetrachlorometaxylene [2C]	A	40.000	36.1	1.0966080	0.9886519		-9.8	+/-20

* Values outside of QC limits

* Values outside of QC limits

```
                          Analytical Resources Inc.
                     Dual Column 608/8082 PCB Quantitation Report

Data file 1: /221203.b/12032222ECD7.D                  ARI ID: AR1660SCV1
Data file 2: /221203.b/221203.b/12032222ECD7.D         Client ID:
Method: \\target\share\chem4\ecd7.i\221203.b\PCB.m     Injection Date: 03-DEC-2022 22:13
Compound Sublist: AR1660.sub                              Report Date: 12/05/2022 13:28
Instrument, Inj. Vol.: ecd7.i, 2ul                     Matrix: NONE
Quant Method: Internal Std                             Dilution Factor:  1.0



                                 SURROGATES

       ZB5 Col         |       ZB35 Col         |   ZB5    ZB35
  RT    Shift Response | RT    Shift  Response  |  on col  on col    RPD   Compound/Flag
==========================================================================================

 5.837  0.000   247495 | 5.714   0.000   133904|   36.1    36.1      0.2    Tetrachloro-m-xylene
13.909  0.001   325466 |14.137   0.000   234467|   39.8    38.2      4.2    Decachlorobiphenyl


*  Indicates RPD > 40%



                            INTERNAL STANDARD SUMMARY

                                        Column 1
                                 Standard    Sample
                  Standard Cpnd       Area*       Area      %D
               --------------------------------------------------
                 Bromo-Nitrobenzene    447645      483506    8.0
                 Hexabromobiphenyl     798898      892033   11.7

                                        Column 2
                                 Standard    Sample
                  Standard Cpnd       Area*       Area      %D
               --------------------------------------------------
                 Bromo-Nitrobenzene    249094     270882     8.7
                 Hexabromobiphenyl     362541     432562    19.3


                * Standard Areas taken from Initial Cal Level 3
                  Initial Calibration Date: 03-DEC-2022
               <- Indicates standard response outside Limits (-50 to +100%)
```

```
                            ZB5 Col                                ZB35 Col
 Aroclor    Peak#    RT    Shift    Area    Amount    Peak#   RT     Shift    Area   Amount
 =========================================================================================
 Aroclor-1016 1   7.293   0.001     36100   223.8      1    7.277   0.002    30155   217.7
 Aroclor-1016 2   7.681   0.007    113995   218.9      2    7.875   0.004    64468   215.8
 Aroclor-1016 3   7.815   0.004     53043   224.8      3    8.074   0.004    27130   211.5
 Aroclor-1016 4   8.428   0.004     33958   225.7      4    8.245   0.004    14848   220.1
       Total Col1Ave (4 peaks):   223.3       Total Col2Ave (4 peaks):   216.3   RPD = 3
       Corrected Ave (3 peaks):   222.5       Corrected Ave (3 peaks):   215.0   RPD = 3

 Aroclor-1260 1  11.063   0.001     93173   286.9      1   11.671   0.002    56796   248.7
 Aroclor-1260 2  11.380   0.003     95530   284.5      2   11.935   0.002   153247   267.5
 Aroclor-1260 3  11.754   0.004    250548   283.9      3   12.452   0.001    41316   270.8
 Aroclor-1260 4  12.159   0.005    120399   267.9      4   12.519   0.003   100704   263.7
 Aroclor-1260 5  12.263   0.003     55639   302.5      NS    ---                      ----
       Total Col1Ave (5 peaks):   285.1       Total Col2Ave (4 peaks):   262.7   RPD = 8
       Corrected Ave (4 peaks):   280.8       Corrected Ave (3 peaks):   260.0   RPD = 8




 Total PCB Area Col1 (5.936 - 13.808) =    2318083     Col1 Total PCB = 0.4 ppm*

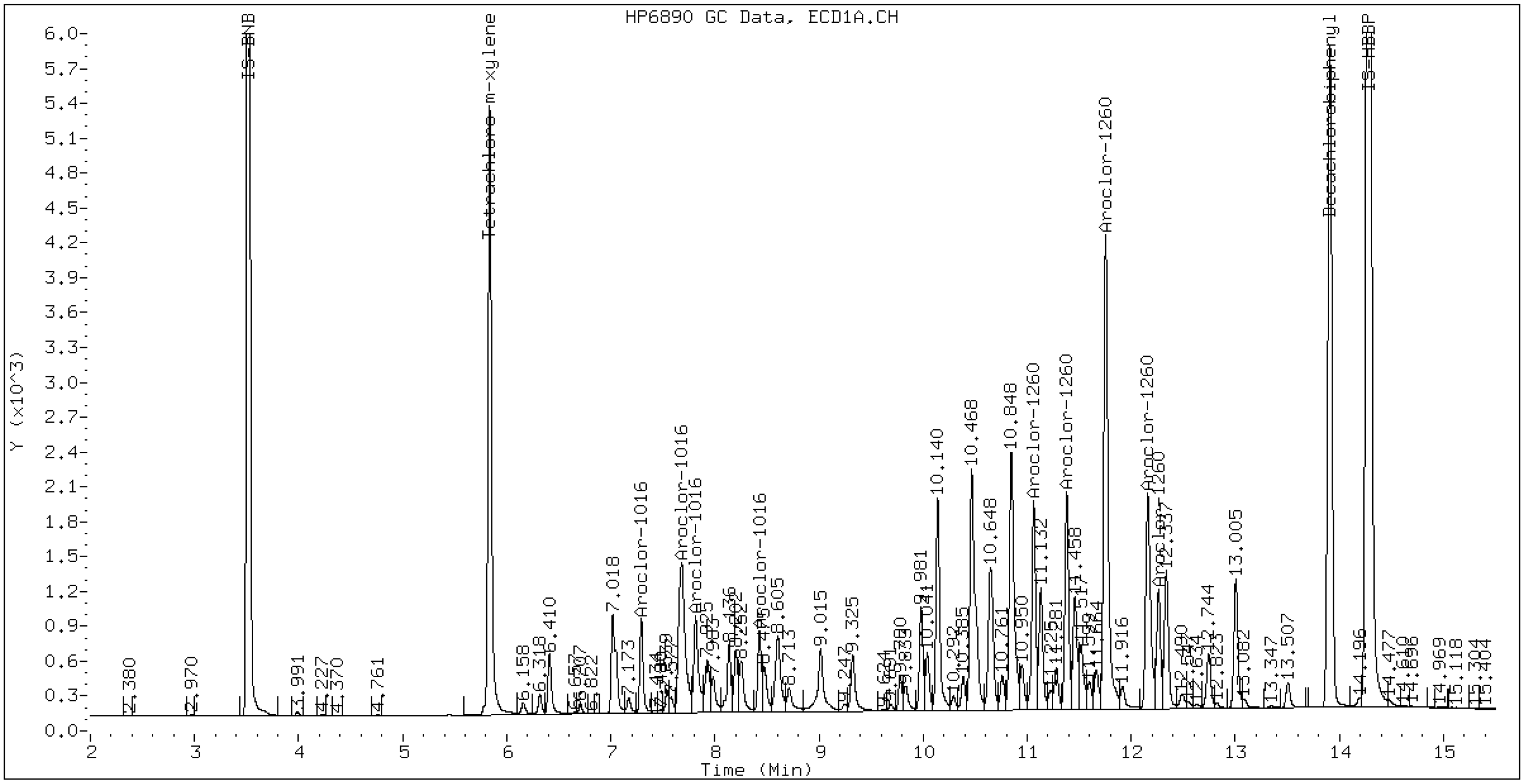
 Total PCB Area Col2 (5.936 - 13.808) =    1275603     Col2 Total PCB = 0.7 ppm*


   *  Quantitated against AR1660 0.25ppm in Ical


                                       PCB-Form 10 Mod.
```

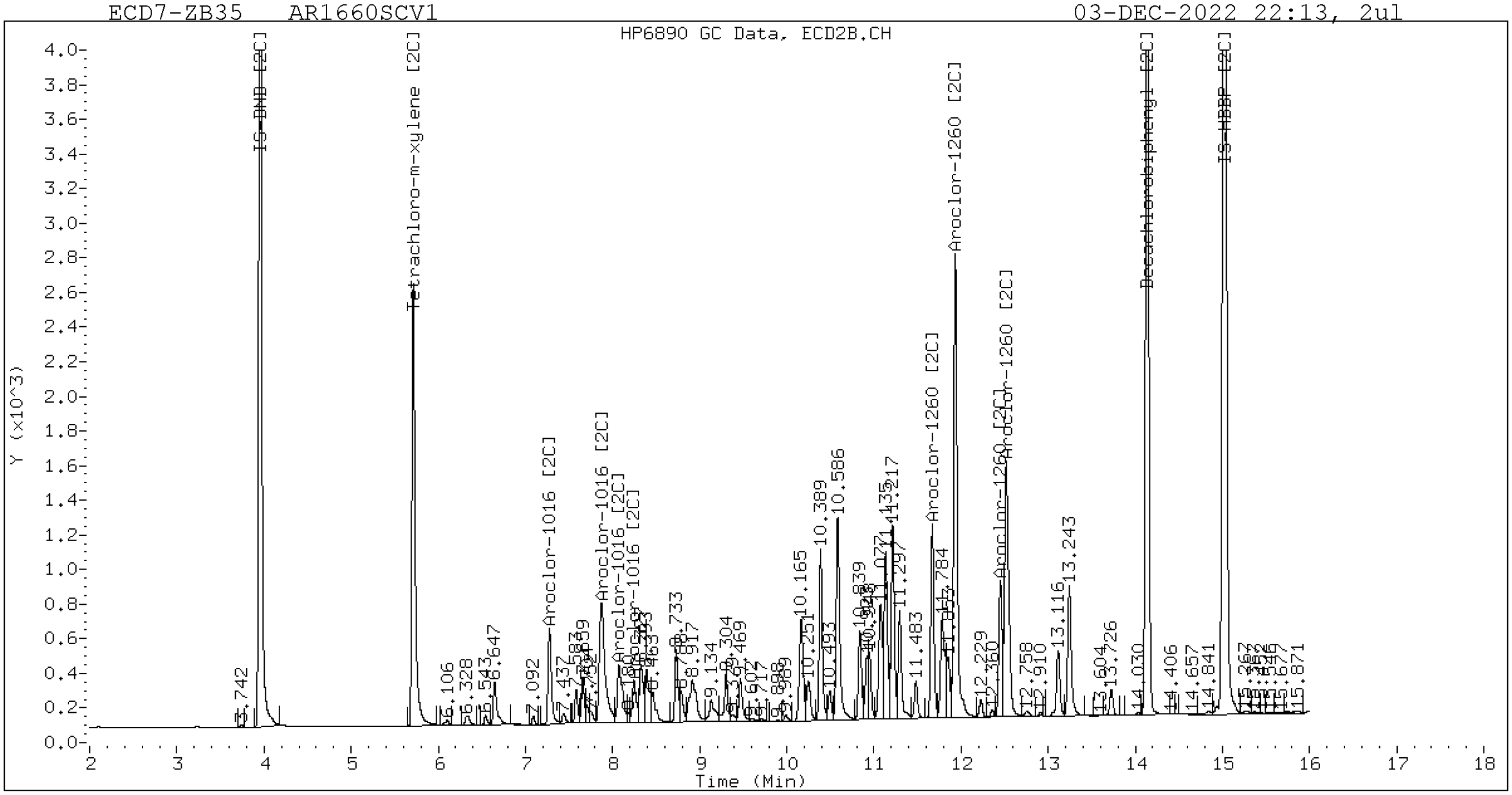
PCB Dual Column Chromatograms

ECD7-ZB5 AR1660SCV1 03-DEC-2022 22:13, 2ul



ZB-5 Manual Integration: NO

ECD7-ZB35 AR1660SCV1 03-DEC-2022 22:13, 2ul



ZB-35 Manual Integration: NO

SECOND-SOURCE
CONTINUING CALIBRATION CHECK
EPA 8082A

Laboratory:	Analytical Resources, LLC	SDG:	22L0307
Client:	Anchor QEA, LLC	Project:	AOC4 UR Phase 3
Instrument ID:	ECD7	Calibration:	FL00010
Lab File ID:	12032223ECD7.D	Calibration Date:	12/03/2022
Sequence:	SKL0048	Injection Date:	12/03/22
Lab Sample ID:	SKL0048-SCV2	Injection Time:	22:34
Sequence Name:	AR1242SCV2		

COMPOUND	TYPE	CONC. (ug/L)		RESPONSE FACTOR (RRF)			% DRIFT/DIFF	
		STD	CCV	ICAL	CCV	MIN	CCV	LIMIT
Aroclor 1242	A	250.00	207	0.0396000	0.0328545		-17.3	+/-20
Aroclor 1242 [2C]	A	250.00	225	0.0391981	0.0342776		-10.0	+/-20
Decachlorobiphenyl	A	40.000	39.1	0.7333327	0.7176455		-2.1	+/-20
Tetrachlorometaxylene	A	40.000	35.6	1.1336710	1.0081550		-11.1	+/-20
Decachlorobiphenyl [2C]	A	40.000	38.0	1.1358180	1.0793200		-5.0	+/-20
Tetrachlorometaxylene [2C]	A	40.000	35.8	1.0966080	0.9816931		-10.5	+/-20

* Values outside of QC limits

* Values outside of QC limits

```
                              Analytical Resources Inc.
                         Dual Column 608/8082 PCB Quantitation Report

Data file 1: /221203.b/12032223ECD7.D                  ARI ID: AR1242SCV2
Data file 2: /221203.b/221203.b/12032223ECD7.D         Client ID:
Method: \\target\share\chem4\ecd7.i\221203.b\PCB.m      Injection Date: 03-DEC-2022 22:34
Compound Sublist: AR1242.sub                              Report Date: 12/05/2022 13:28
Instrument, Inj. Vol.: ecd7.i, 2ul                     Matrix: NONE
Quant Method: Internal Std                             Dilution Factor:  1.0



                                 SURROGATES

       ZB5 Col          |       ZB35 Col         |   ZB5    ZB35
  RT    Shift Response | RT    Shift  Response  |  on col  on col    RPD   Compound/Flag
===========================================================================================

 5.836 -0.000   242356 | 5.713  -0.001   132586|   35.6    35.8      0.7    Tetrachloro-m-xylene
13.909  0.001   321690 |14.136  -0.001   228130|   39.1    38.0      2.9    Decachlorobiphenyl


*  Indicates RPD > 40%




                             INTERNAL STANDARD SUMMARY

                                           Column 1
                                    Standard    Sample
                  Standard Cpnd       Area*       Area      %D
              -------------------------------------------------
                Bromo-Nitrobenzene    447645      480791    7.4
                Hexabromobiphenyl     798898      896515   12.2

                                           Column 2
                                    Standard    Sample
                  Standard Cpnd       Area*       Area      %D
              -------------------------------------------------
                Bromo-Nitrobenzene    249094     270117     8.4
                Hexabromobiphenyl     362541     422729    16.6


               * Standard Areas taken from Initial Cal Level 3
                 Initial Calibration Date: 03-DEC-2022
              <- Indicates standard response outside Limits (-50 to +100%)
```

```
                             ZB5 Col                           ZB35 Col
 Aroclor   Peak#    RT    Shift    Area    Amount    Peak#   RT     Shift    Area   Amount
 ==========================================================================================
 Aroclor-1242 1   7.294   0.000    26316   193.1      1    7.277  -0.001    23973   209.7
 Aroclor-1242 2   7.677  -0.003    89703   207.3      2    7.873  -0.002    50204   206.9
 Aroclor-1242 3   8.427   0.000    26786   215.2      3    9.176  -0.002    19686   251.4
 Aroclor-1242 4   9.025  -0.005    54647   211.4      4    9.599  -0.006    21874   232.4
       Total Col1Ave (4 peaks):   206.7       Total Col2Ave (4 peaks):   225.1   RPD = 9
       Corrected Ave (3 peaks):   203.9       Corrected Ave (3 peaks):   216.3   RPD = 6




 Total PCB Area Col1 (5.936 - 13.808) =     731052     Col1 Total PCB = 0.1 ppm*

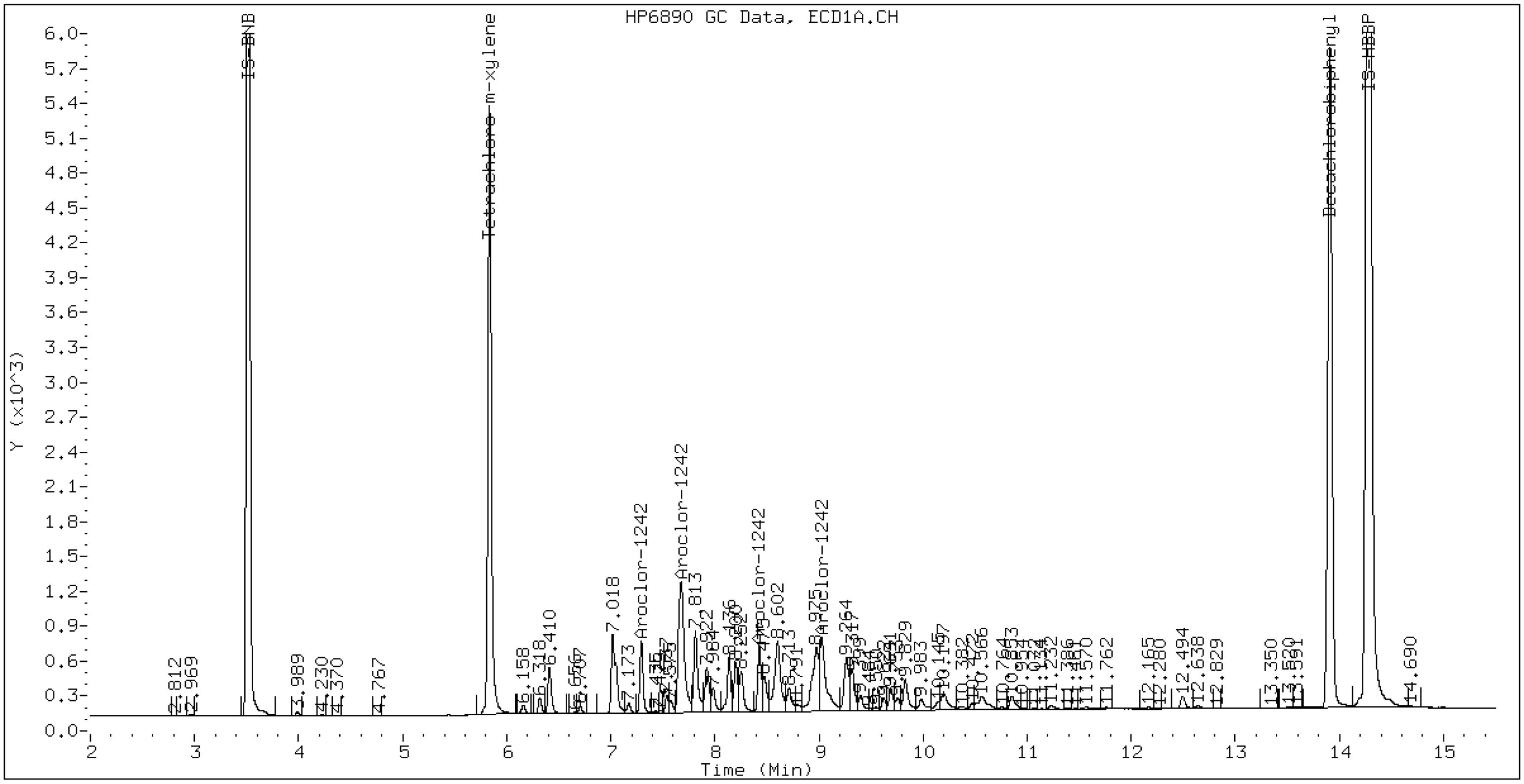
 Total PCB Area Col2 (5.936 - 13.808) =     398143     Col2 Total PCB = 0.2 ppm*


   *  Quantitated against AR1660 0.25ppm in Ical


                                       PCB-Form 10 Mod.
```

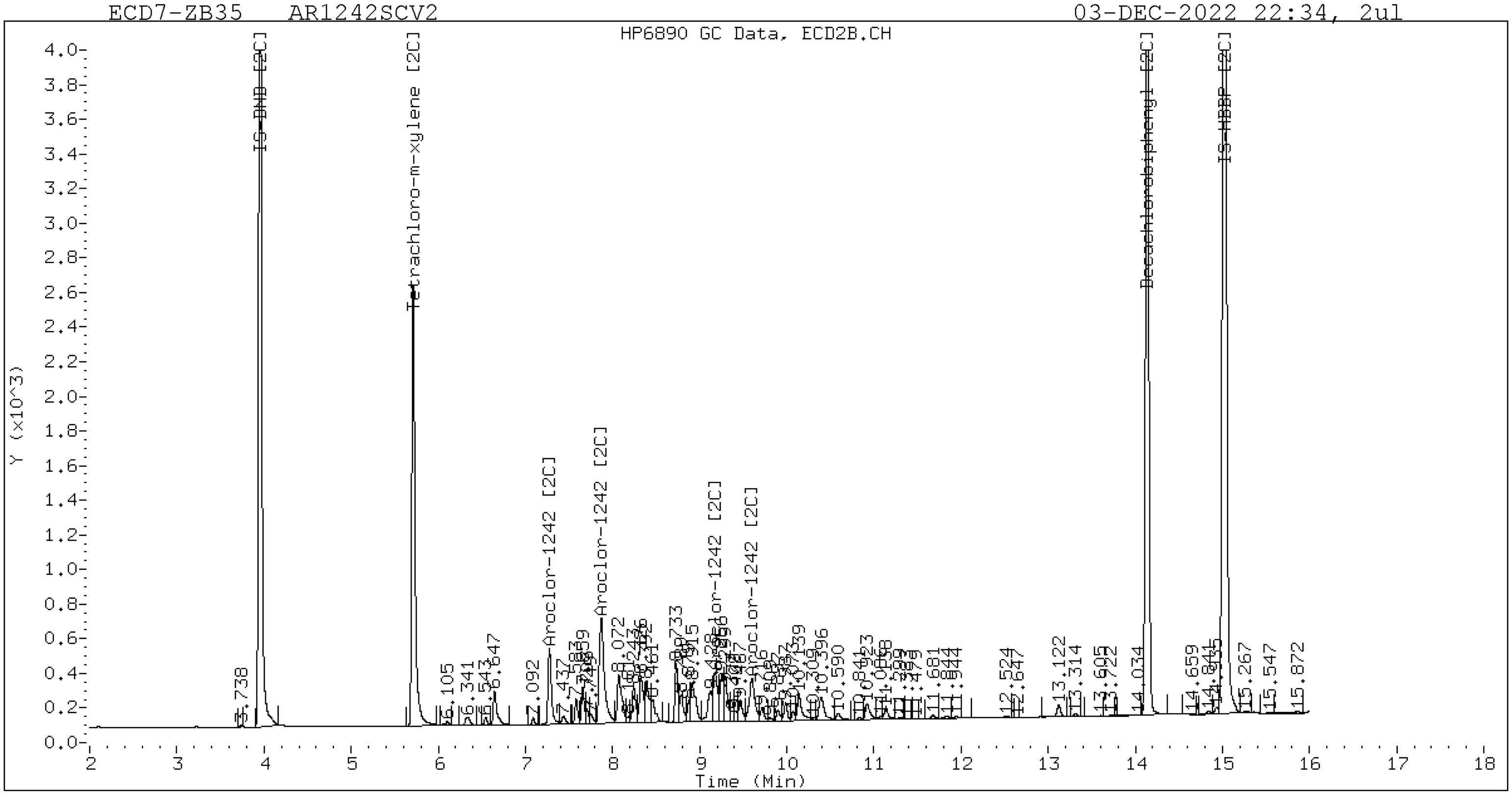
PCB Dual Column Chromatograms

ECD7-ZB5 AR1242SCV2 03-DEC-2022 22:34, 2ul



ZB-5 Manual Integration: NO

ECD7-ZB35 AR1242SCV2 03-DEC-2022 22:34, 2ul



ZB-35 Manual Integration: NO

SECOND-SOURCE
CONTINUING CALIBRATION CHECK
EPA 8082A

Laboratory:	Analytical Resources, LLC	SDG:	22L0307
Client:	Anchor QEA, LLC	Project:	AOC4 UR Phase 3
Instrument ID:	ECD7	Calibration:	FL00010
Lab File ID:	12032224ECD7.D	Calibration Date:	12/03/2022
Sequence:	SKL0048	Injection Date:	12/03/22
Lab Sample ID:	SKL0048-SCV3	Injection Time:	22:55
Sequence Name:	AR1248SCV3		

COMPOUND	TYPE	CONC. (ug/L) STD	CONC. (ug/L) CCV	RESPONSE FACTOR (RRF) ICAL	RESPONSE FACTOR (RRF) CCV	RESPONSE FACTOR (RRF) MIN	% DRIFT/DIFF CCV	% DRIFT/DIFF LIMIT
Aroclor 1248	A	250.00	246	0.0490062	0.0480752		-1.8	+/-20
Aroclor 1248 [2C]	A	250.00	230	0.0394876	0.0363529		-7.9	+/-20
Decachlorobiphenyl	A	40.000	39.3	0.7333327	0.7205014		-1.7	+/-20
Tetrachlorometaxylene	A	40.000	34.7	1.1336710	0.9836260		-13.2	+/-20
Decachlorobiphenyl [2C]	A	40.000	38.1	1.1358180	1.0816130		-4.8	+/-20
Tetrachlorometaxylene [2C]	A	40.000	35.1	1.0966080	0.9613644		-12.3	+/-20

* Values outside of QC limits

* Values outside of QC limits

```
                                 Analytical Resources Inc.
                            Dual Column 608/8082 PCB Quantitation Report

 Data file 1: /221203.b/12032224ECD7.D                   ARI ID: AR1248SCV3
 Data file 2: /221203.b/221203.b/12032224ECD7.D          Client ID:
 Method: \\target\share\chem4\ecd7.i\221203.b\PCB.m      Injection Date: 03-DEC-2022 22:55
 Compound Sublist: AR1248.sub                               Report Date: 12/05/2022 13:28
 Instrument, Inj. Vol.: ecd7.i, 2ul                      Matrix: NONE
 Quant Method: Internal Std                              Dilution Factor:  1.0



                                    SURROGATES

        ZB5 Col          |        ZB35 Col         |   ZB5    ZB35
   RT    Shift Response | RT    Shift  Response  |  on col  on col    RPD   Compound/Flag
 ========================================================================================

  5.837  0.000   238518 | 5.713  -0.001   130772|   34.7    35.1      1.0    Tetrachloro-m-xylene
 13.909  0.001   329816 |14.137   0.000   230748|   39.3    38.1      3.1    Decachlorobiphenyl


*  Indicates RPD > 40%




                                INTERNAL STANDARD SUMMARY

                                            Column 1
                                     Standard    Sample
                  Standard Cpnd       Area*       Area      %D
                ------------------------------------------------
                  Bromo-Nitrobenzene    447645      484977    8.3
                  Hexabromobiphenyl     798898      915518   14.6

                                            Column 2
                                     Standard    Sample
                  Standard Cpnd       Area*       Area      %D
                ------------------------------------------------
                  Bromo-Nitrobenzene    249094     272055     9.2
                  Hexabromobiphenyl     362541     426674    17.7


                 * Standard Areas taken from Initial Cal Level 3
                   Initial Calibration Date: 03-DEC-2022
                <- Indicates standard response outside Limits (-50 to +100%)
```

```
                                ZB5 Col                                  ZB35 Col
 Aroclor    Peak#    RT    Shift    Area    Amount    Peak#   RT     Shift    Area   Amount
 ===========================================================================================
 Aroclor-1248 1   8.427  -0.000     49184   235.9      1    8.326   0.000    25647   230.8
 Aroclor-1248 2   8.604   0.002     62884   236.2      2    8.733   0.000    26944   230.5
 Aroclor-1248 3   9.021  -0.002    117065   244.4      3    9.179   0.001    32692   229.9
 Aroclor-1248 4   9.315   0.000     62309   265.6      4    9.604   0.002    38342   229.7
       Total Col1Ave (4 peaks):   245.5       Total Col2Ave (4 peaks):   230.2   RPD = 6
       Corrected Ave (3 peaks):   238.8       Corrected Ave (3 peaks):   230.0   RPD = 4




 Total PCB Area Col1 (5.936 - 13.808) =     991353     Col1 Total PCB = 0.2 ppm*

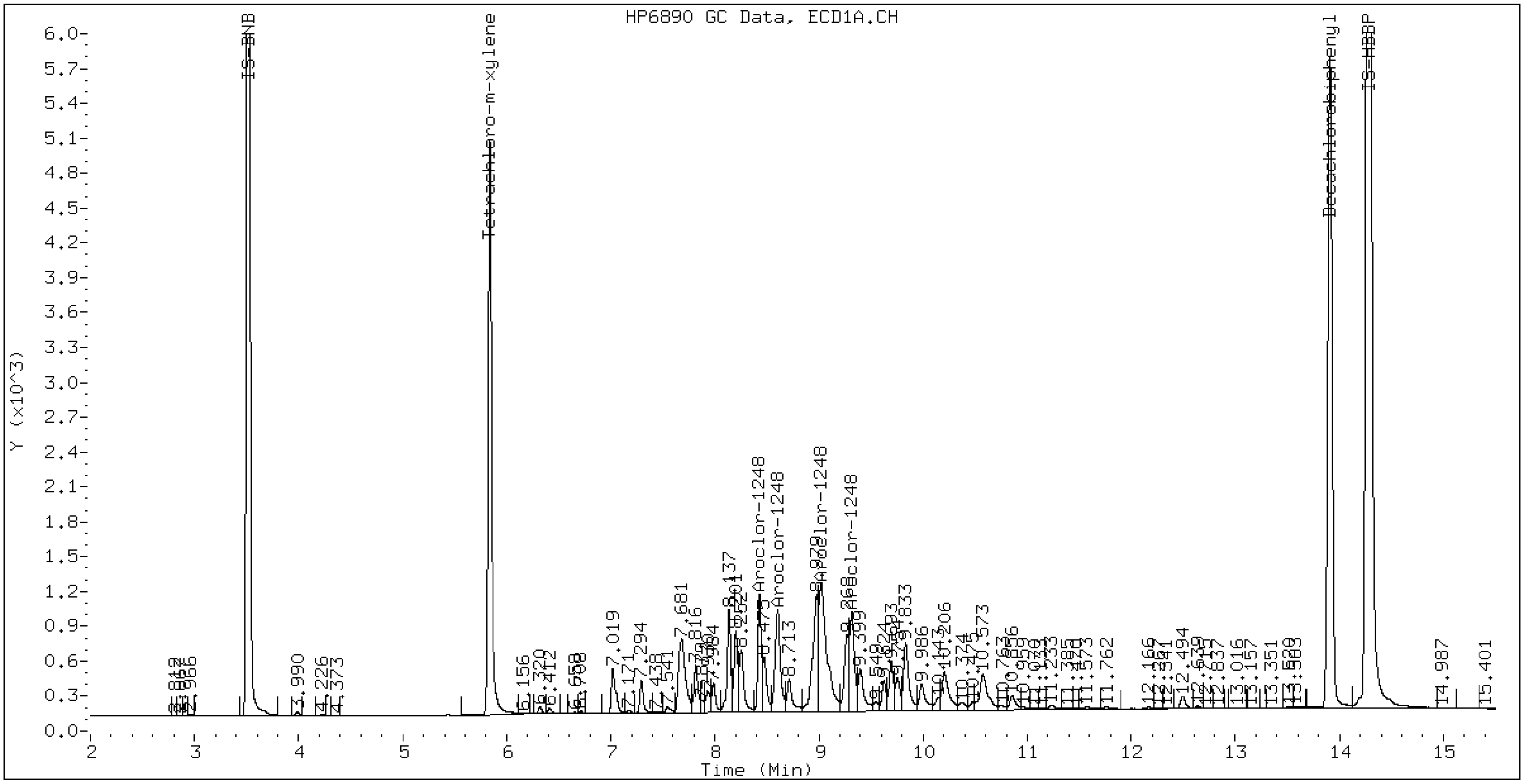
 Total PCB Area Col2 (5.936 - 13.808) =     508870     Col2 Total PCB = 0.3 ppm*

   *  Quantitated against AR1660 0.25ppm in Ical

                                        PCB-Form 10 Mod.
```

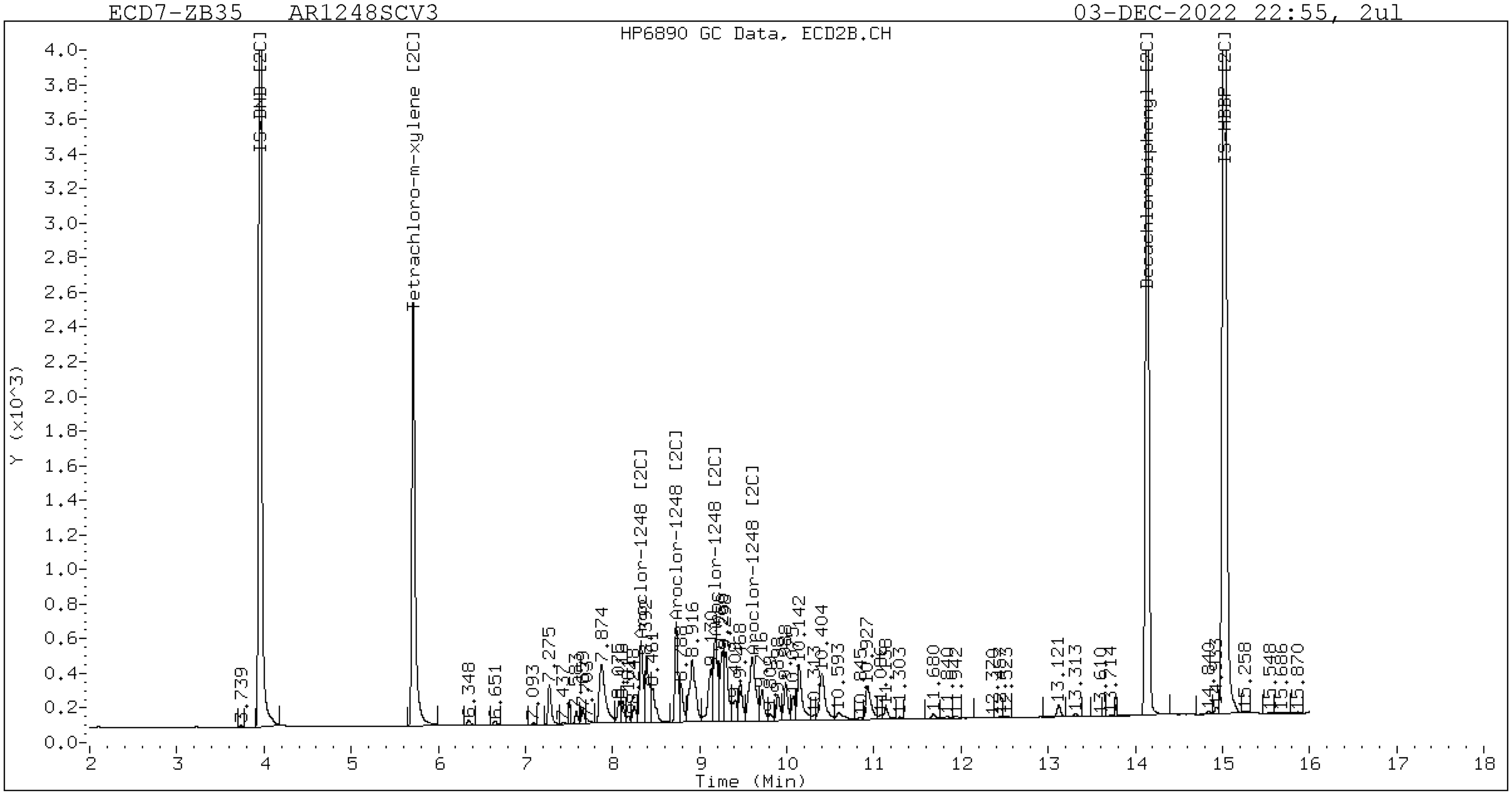
PCB Dual Column Chromatograms

ECD7-ZB5 AR1248SCV3 03-DEC-2022 22:55, 2ul



ZB-5 Manual Integration: NO

ECD7-ZB35 AR1248SCV3 03-DEC-2022 22:55, 2ul



ZB-35 Manual Integration: NO

SECOND-SOURCE
CONTINUING CALIBRATION CHECK
EPA 8082A

Laboratory:	Analytical Resources, LLC	SDG:	22L0307
Client:	Anchor QEA, LLC	Project:	AOC4 UR Phase 3
Instrument ID:	ECD7	Calibration:	FL00010
Lab File ID:	12032225ECD7.D	Calibration Date:	12/03/2022
Sequence:	SKL0048	Injection Date:	12/03/22
Lab Sample ID:	SKL0048-SCV4	Injection Time:	23:17
Sequence Name:	AR1254SCV4		

COMPOUND	TYPE	CONC. (ug/L)		RESPONSE FACTOR (RRF)			% DRIFT/DIFF	
		STD	CCV	ICAL	CCV	MIN	CCV	LIMIT
Aroclor 1254	A	250.00	228	0.0576965	0.0519120		-8.8	+/-20
Aroclor 1254 [2C]	A	250.00	231	0.0638047	0.0582302		-7.7	+/-20
Decachlorobiphenyl	A	40.000	39.5	0.7333327	0.7250146		-1.1	+/-20
Tetrachlorometaxylene	A	40.000	35.5	1.1336710	1.0063630		-11.2	+/-20
Decachlorobiphenyl [2C]	A	40.000	38.1	1.1358180	1.0811430		-4.8	+/-20
Tetrachlorometaxylene [2C]	A	40.000	36.0	1.0966080	0.9868455		-10.0	+/-20

* Values outside of QC limits

* Values outside of QC limits

```
                              Analytical Resources Inc.
                         Dual Column 608/8082 PCB Quantitation Report

Data file 1: /221203.b/12032225ECD7.D                        ARI ID: AR1254SCV4
Data file 2: /221203.b/221203.b/12032225ECD7.D               Client ID:
Method: \\target\share\chem4\ecd7.i\221203.b\PCB.m           Injection Date: 03-DEC-2022 23:17
Compound Sublist: AR1254.sub                                    Report Date: 12/05/2022 13:28
Instrument, Inj. Vol.: ecd7.i, 2ul                           Matrix: NONE
Quant Method: Internal Std                                   Dilution Factor:  1.0



                                 SURROGATES

       ZB5 Col         |       ZB35 Col         |   ZB5    ZB35
  RT    Shift Response | RT    Shift  Response  |  on col  on col    RPD   Compound/Flag
============================================================================================

 5.837  0.000   243863 | 5.713  -0.000   133610|   35.5    36.0      1.4    Tetrachloro-m-xylene
13.909  0.001   332566 |14.137  -0.000   233115|   39.5    38.1      3.8    Decachlorobiphenyl


*  Indicates RPD > 40%



                            INTERNAL STANDARD SUMMARY

                                        Column 1
                                 Standard    Sample
                 Standard Cpnd     Area*       Area      %D
              --------------------------------------------------
                Bromo-Nitrobenzene    447645      484642    8.3
                Hexabromobiphenyl     798898      917405   14.8

                                        Column 2
                                 Standard    Sample
                 Standard Cpnd     Area*       Area      %D
              --------------------------------------------------
                Bromo-Nitrobenzene    249094     270782     8.7
                Hexabromobiphenyl     362541     431238    18.9


               * Standard Areas taken from Initial Cal Level 3
                 Initial Calibration Date: 03-DEC-2022
              <- Indicates standard response outside Limits (-50 to +100%)
```

```
//target/share/chem4/ecd7.i/221203.b/12032225ECD7.D      AR1254SCV4                      page 2
                            ZB5 Col                             ZB35 Col
 Aroclor    Peak#    RT    Shift    Area    Amount    Peak#   RT     Shift    Area   Amount
 ===========================================================================================
 Aroclor-1254 1   9.321   0.003     94448   221.3      1    9.469   0.002    39410   225.7
 Aroclor-1254 2   9.401   0.003     41171   248.1      2    9.989   0.002    31415   223.8
 Aroclor-1254 3   9.692   0.004     60946   226.1      3   10.143   0.004    66244   219.6
 Aroclor-1254 4   9.832   0.004    116490   221.7      4   10.392   0.003    70095   224.3
 Aroclor-1254 5  10.199   0.005     80050   222.3      5   10.588   0.002    39206   260.2
       Total Col1Ave (5 peaks):   227.9       Total Col2Ave (5 peaks):   230.7   RPD = 1
       Corrected Ave (4 peaks):   222.9       Corrected Ave (4 peaks):   223.4   RPD = 0




 Total PCB Area Col1 (5.936 - 13.808) =    1261470     Col1 Total PCB = 0.2 ppm*

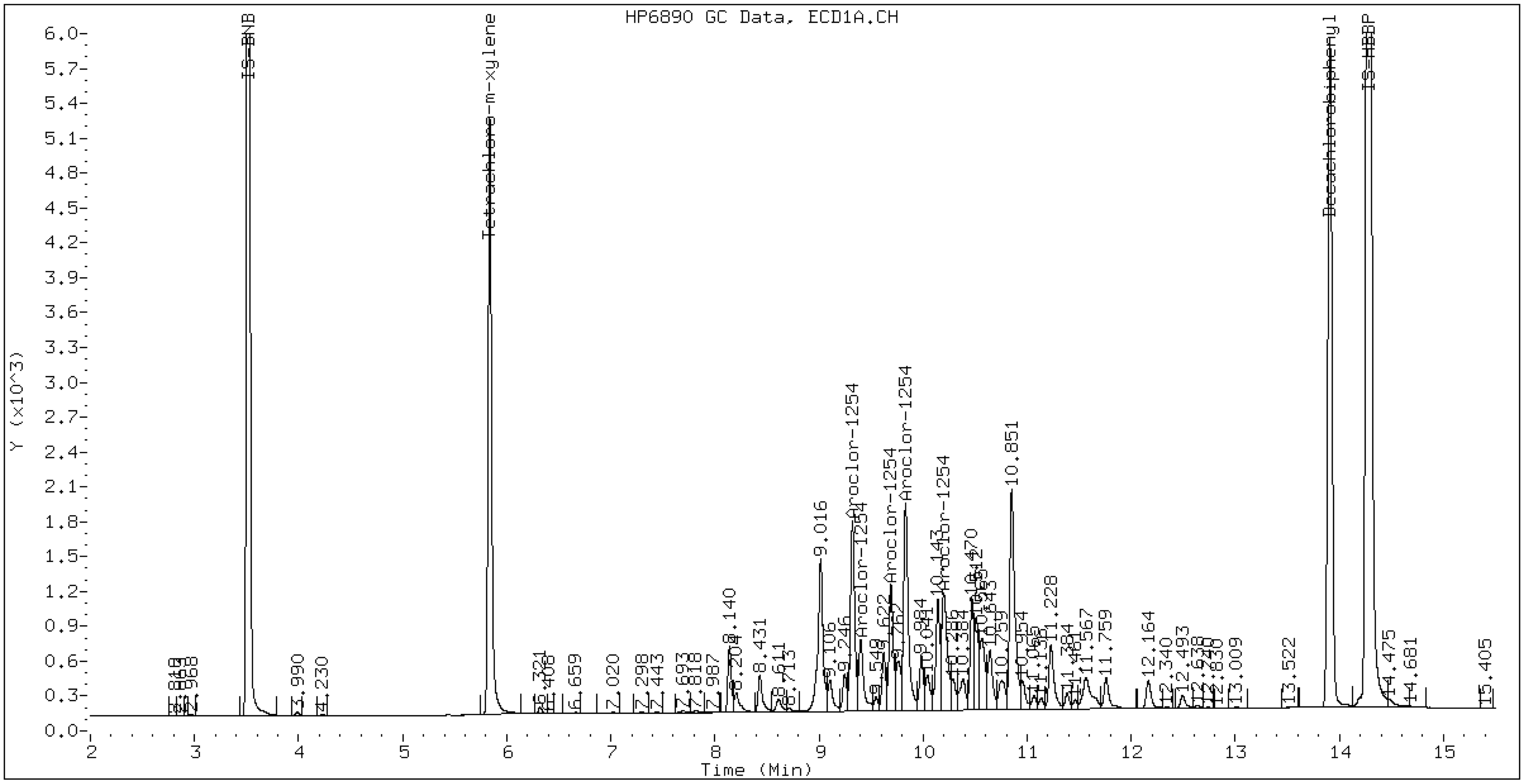
 Total PCB Area Col2 (5.936 - 13.808) =     664781     Col2 Total PCB = 0.3 ppm*


   *  Quantitated against AR1660 0.25ppm in Ical


                                        PCB-Form 10 Mod.
```

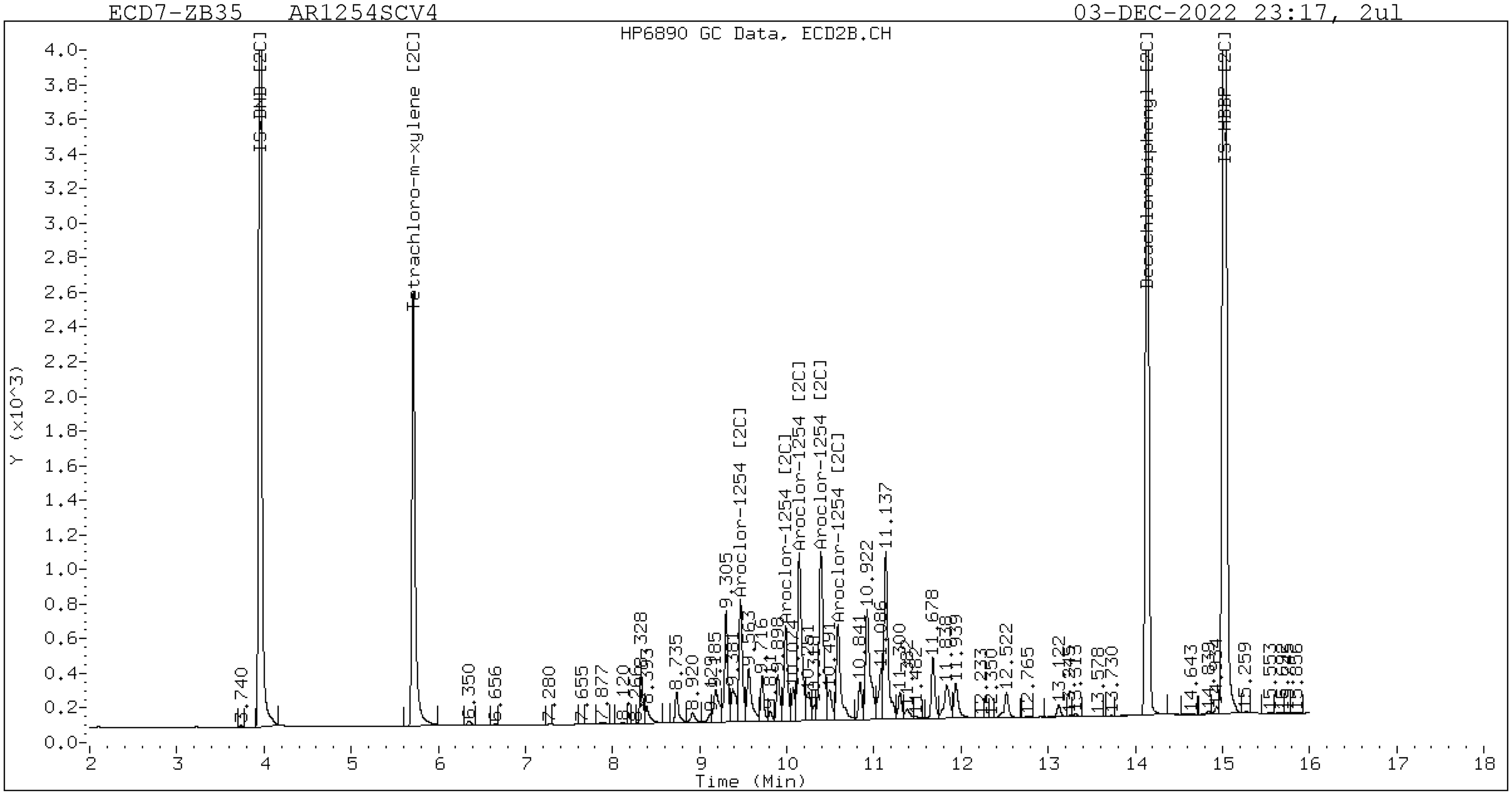
PCB Dual Column Chromatograms

ECD7-ZB5 AR1254SCV4 03-DEC-2022 23:17, 2ul



ZB-5 Manual Integration: NO

ECD7-ZB35 AR1254SCV4 03-DEC-2022 23:17, 2ul



ZB-35 Manual Integration: NO

SECOND-SOURCE
CONTINUING CALIBRATION CHECK
EPA 8082A

Laboratory:	Analytical Resources, LLC	SDG:	22L0307
Client:	Anchor QEA, LLC	Project:	AOC4 UR Phase 3
Instrument ID:	ECD7	Calibration:	FL00010
Lab File ID:	12032226ECD7.D	Calibration Date:	12/03/2022
Sequence:	SKL0048	Injection Date:	12/03/22
Lab Sample ID:	SKL0048-SCV5	Injection Time:	23:38
Sequence Name:	AR2162SCV5		

		CONC. (ug/L)		RESPONSE FACTOR (RRF)			% DRIFT/DIFF	
COMPOUND	TYPE	STD	CCV	ICAL	CCV	MIN	CCV	LIMIT
Aroclor 1221	A	250.00	237	0.0150468	0.0142259		-5.3	+/-20
Aroclor 1221 [2C]	A	250.00	236	0.0137578	0.0128521		-5.7	+/-20
Aroclor 1262	A	500.00	469	0.0371038	0.0347825		-6.2	+/-20
Aroclor 1262 [2C]	A	500.00	464	0.0656640	0.0610321		-7.1	+/-20
Decachlorobiphenyl	A	40.000	40.0	0.7333327	0.7330667		-0.04	+/-20
Tetrachlorometaxylene	A	40.000	36.1	1.1336710	1.0221760		-9.8	+/-20
Decachlorobiphenyl [2C]	A	40.000	38.4	1.1358180	1.0912900		-3.9	+/-20
Tetrachlorometaxylene [2C]	A	40.000	35.7	1.0966080	0.9776713		-10.8	+/-20

* Values outside of QC limits

* Values outside of QC limits

```
                                 Analytical Resources Inc.
                           Dual Column 608/8082 PCB Quantitation Report

 Data file 1: /221203.b/12032226ECD7.D                        ARI ID: AR2162SCV5
 Data file 2: /221203.b/221203.b/12032226ECD7.D               Client ID:
 Method: \\target\share\chem4\ecd7.i\221203.b\PCB.m           Injection Date: 03-DEC-2022 23:38
 Compound Sublist: AR2162.sub                                    Report Date: 12/05/2022 13:28
 Instrument, Inj. Vol.: ecd7.i, 2ul                           Matrix: NONE
 Quant Method: Internal Std                                   Dilution Factor:  1.0



                                    SURROGATES

        ZB5 Col         |       ZB35 Col         |   ZB5    ZB35
   RT    Shift Response | RT    Shift  Response  |  on col  on col    RPD   Compound/Flag
 =========================================================================================

  5.836  0.000   246394 | 5.713  -0.000   131378|   36.1    35.7      1.1    Tetrachloro-m-xylene
 13.908 -0.001   334929 |14.136  -0.001   237241|   40.0    38.4      4.0    Decachlorobiphenyl


*  Indicates RPD > 40%



                               INTERNAL STANDARD SUMMARY

                                           Column 1
                                    Standard    Sample
                  Standard Cpnd       Area*       Area      %D
               ---------------------------------------------------
                 Bromo-Nitrobenzene    447645      482097    7.7
                 Hexabromobiphenyl     798898      913775   14.4

                                           Column 2
                                    Standard    Sample
                  Standard Cpnd       Area*       Area      %D
               ---------------------------------------------------
                 Bromo-Nitrobenzene    249094     268757     7.9
                 Hexabromobiphenyl     362541     434790    19.9


                * Standard Areas taken from Initial Cal Level 3
                  Initial Calibration Date: 03-DEC-2022
               <- Indicates standard response outside Limits (-50 to +100%)
```

```
                           ZB5 Col                              ZB35 Col
 Aroclor   Peak#    RT    Shift    Area    Amount    Peak#   RT     Shift    Area   Amount
 =========================================================================================
 Aroclor-1221 1   4.761   0.001     9579   240.4      1    4.988   0.001     5527   243.7
 Aroclor-1221 2   6.159   0.001    16402   233.6      2    6.323   0.001    10041   232.3
 Aroclor-1221 3   6.410   0.001    38315   236.6      3    6.646   0.001    16814   231.1
       Total Col1Ave (3 peaks):   236.8       Total Col2Ave (3 peaks):   235.7   RPD = 0
       Corrected Ave: < 3 Peaks                      Corrected Ave: < 3 Peaks

 Aroclor-1262 1  10.845  -0.003   145305   475.5      1   11.216  -0.001   152840   462.3
 Aroclor-1262 2  12.261  -0.001   222795   469.0      2   11.668  -0.002   131097   457.9
 Aroclor-1262 3  12.336  -0.001   238475   470.0      3   12.449  -0.002   148386   469.8
 Aroclor-1262 4  13.004  -0.001   188009   461.7      4   12.518  -0.001   231081   467.1
       Total Col1Ave (4 peaks):   469.1       Total Col2Ave (4 peaks):   464.3   RPD = 1
       Corrected Ave (3 peaks):   466.9       Corrected Ave (3 peaks):   462.4   RPD = 1




 Total PCB Area Col1 (5.936 - 13.808) =    3654831     Col1 Total PCB = 0.7 ppm*

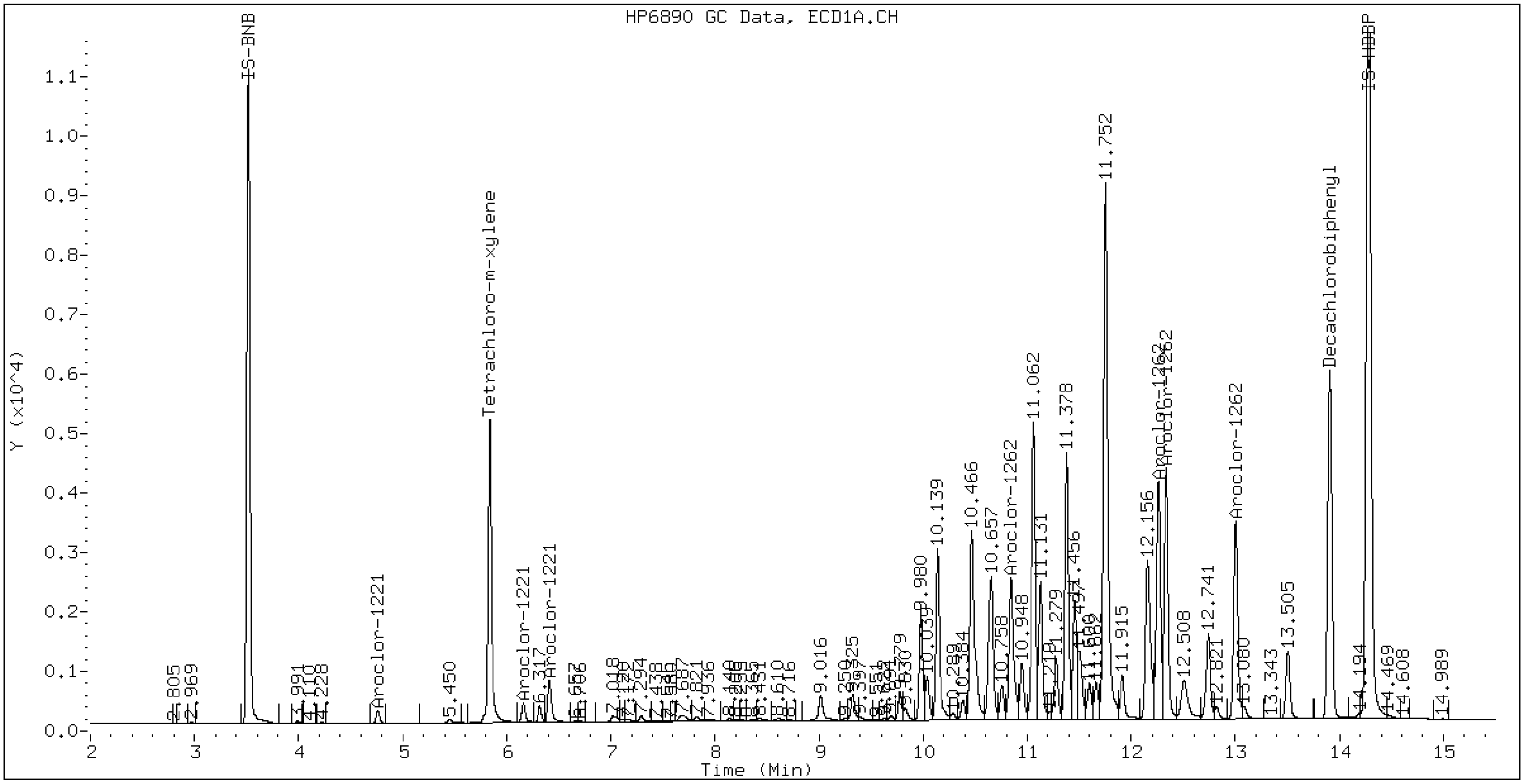
 Total PCB Area Col2 (5.936 - 13.808) =    2063978     Col2 Total PCB = 1.1 ppm*

   *  Quantitated against AR1660 0.25ppm in Ical

                                        PCB-Form 10 Mod.
```

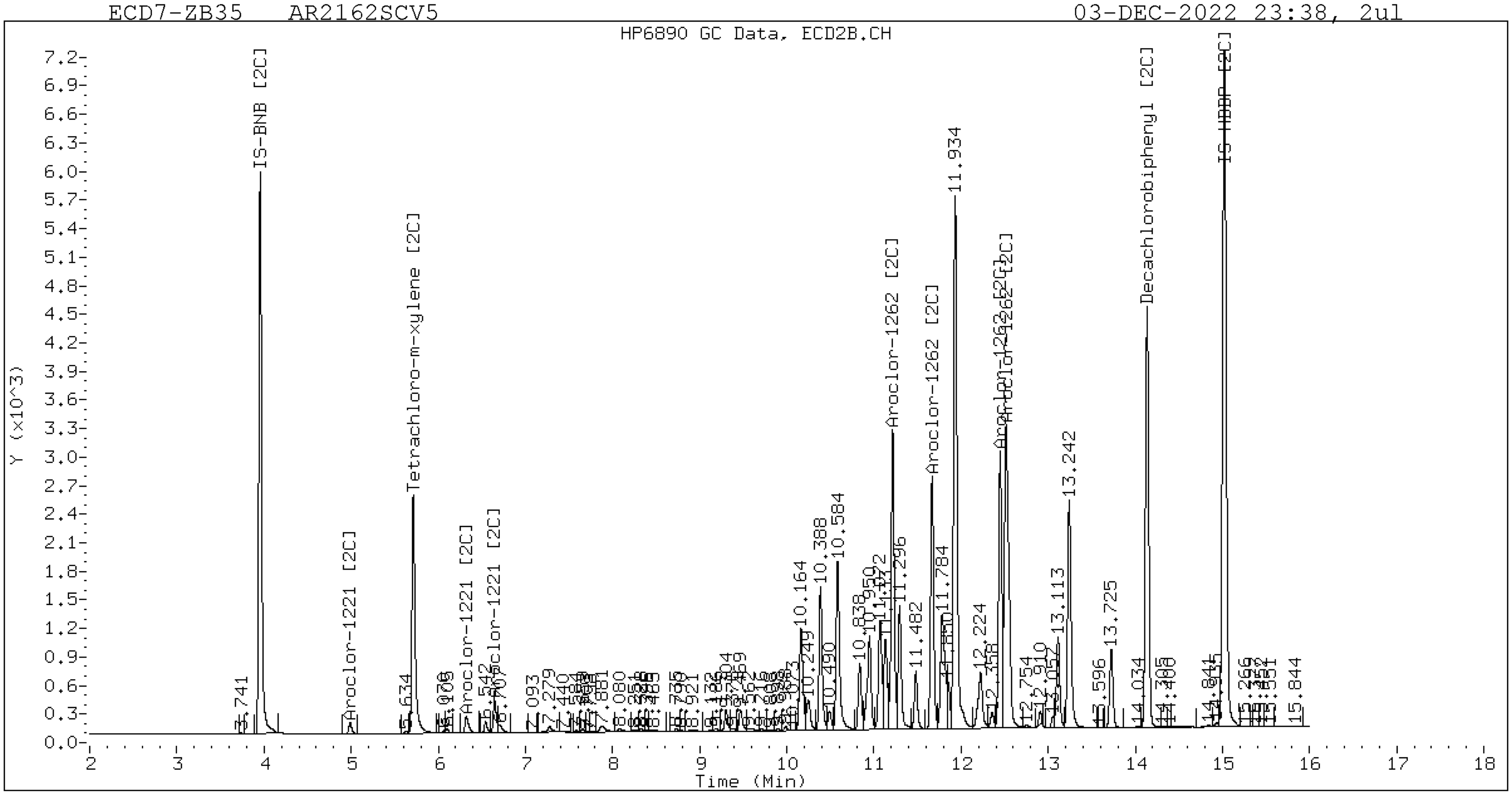
PCB Dual Column Chromatograms

ECD7-ZB5 AR2162SCV5 03-DEC-2022 23:38, 2ul



ZB-5 Manual Integration: NO

ECD7-ZB35 AR2162SCV5 03-DEC-2022 23:38, 2ul



ZB-35 Manual Integration: NO

Analytical Resources, LLC
Analytical Chemists and Consultants

SECOND-SOURCE
CONTINUING CALIBRATION CHECK
EPA 8082A

Laboratory:	Analytical Resources, LLC	SDG:	22L0307
Client:	Anchor QEA, LLC	Project:	AOC4 UR Phase 3
Instrument ID:	ECD7	Calibration:	FL00010
Lab File ID:	12032227ECD7.D	Calibration Date:	12/03/2022
Sequence:	SKL0048	Injection Date:	12/03/22
Lab Sample ID:	SKL0048-SCV6	Injection Time:	23:59
Sequence Name:	AR3268SCV6		

		CONC. (ug/L)		RESPONSE FACTOR (RRF)			% DRIFT/DIFF	
COMPOUND	TYPE	STD	CCV	ICAL	CCV	MIN	CCV	LIMIT
Aroclor 1232	A	250.00	217	0.0165403	0.0146227		-13.4	+/-20
Aroclor 1232 [2C]	A	250.00	230	0.0182815	0.0167216		-7.9	+/-20
Aroclor 1268	A	250.00	231	0.1462909	0.1351224		-7.5	+/-20
Aroclor 1268 [2C]	A	250.00	228	0.1941199	0.1796657		-8.9	+/-20
Decachlorobiphenyl	A	40.000	56.2	0.7333327	1.0299650		40.4	+/-20
Tetrachlorometaxylene	A	40.000	34.5	1.1336710	0.9771642		-13.8	+/-20
Decachlorobiphenyl [2C]	A	40.000	54.9	1.1358180	1.5591590		37.3	+/-20
Tetrachlorometaxylene [2C]	A	40.000	34.2	1.0966080	0.9385176		-14.4	+/-20

* Values outside of QC limits

```
                              Analytical Resources Inc.
                         Dual Column 608/8082 PCB Quantitation Report

Data file 1: /221203.b/12032227ECD7.D                   ARI ID: AR3268SCV6
Data file 2: /221203.b/221203.b/12032227ECD7.D          Client ID:
Method: \\target\share\chem4\ecd7.i\221203.b\PCB.m      Injection Date: 03-DEC-2022 23:59
Compound Sublist: AR3268.sub                               Report Date: 12/05/2022 13:28
Instrument, Inj. Vol.: ecd7.i, 2ul                      Matrix: NONE
Quant Method: Internal Std                              Dilution Factor:  1.0



                                 SURROGATES

       ZB5 Col          |       ZB35 Col          |   ZB5    ZB35
  RT    Shift Response | RT    Shift  Response   |  on col  on col    RPD   Compound/Flag
==========================================================================================

 5.834 -0.002   236120 | 5.711  -0.002   126782|   34.5    34.2      0.7    Tetrachloro-m-xylene
13.907 -0.002   474236 |14.136  -0.001   339687|   56.2    54.9      2.3    Decachlorobiphenyl


*  Indicates RPD > 40%



                            INTERNAL STANDARD SUMMARY

                                        Column 1
                                 Standard    Sample
                 Standard Cpnd       Area*       Area      %D
              --------------------------------------------------
                Bromo-Nitrobenzene    447645      483276    8.0
                Hexabromobiphenyl     798898      920878   15.3

                                        Column 2
                                 Standard    Sample
                 Standard Cpnd       Area*       Area      %D
              --------------------------------------------------
                Bromo-Nitrobenzene    249094     270175     8.5
                Hexabromobiphenyl     362541     435731    20.2


               * Standard Areas taken from Initial Cal Level 3
                 Initial Calibration Date: 03-DEC-2022
              <- Indicates standard response outside Limits (-50 to +100%)
```

```
//target/share/chem4/ecd7.i/221203.b/12032227ECD7.D      AR3268SCV6                      page 2
                            ZB5 Col                                ZB35 Col
 Aroclor    Peak#    RT    Shift    Area    Amount    Peak#   RT     Shift    Area   Amount
 ==========================================================================================
 Aroclor-1232 1   4.758  -0.003      5334   221.8      1    4.986  -0.004     3031   230.7
 Aroclor-1232 2   6.158  -0.002      9882   194.6      2    7.276  -0.001    14982   223.3
 Aroclor-1232 3   7.684   0.000     51409   225.4      3    7.875  -0.001    29992   228.7
 Aroclor-1232 4   8.607   0.001     21710   224.4      4    8.734   0.000     8467   238.1
       Total Col1Ave (4 peaks):   216.5       Total Col2Ave (4 peaks):   230.2   RPD = 6
       Corrected Ave (3 peaks):   213.6       Corrected Ave (3 peaks):   227.6   RPD = 6

 Aroclor-1268 1  12.262  -0.000    296463   230.1      1   12.449  -0.000   189354   230.2
 Aroclor-1268 2  12.336   0.001    294353   233.5      2   12.517   0.000   196449   232.9
 Aroclor-1268 3  12.715  -0.001    238693   231.1      3   12.909  -0.001    66881   213.9
 Aroclor-1268 4  13.506   0.001    725881   230.1      4   13.725  -0.001   525890   233.7
       Total Col1Ave (4 peaks):   231.2       Total Col2Ave (4 peaks):   227.7   RPD = 2
       Corrected Ave (3 peaks):   230.4       Corrected Ave (3 peaks):   225.7   RPD = 2




 Total PCB Area Col1 (5.936 - 13.808) =    2353838     Col1 Total PCB = 0.4 ppm*

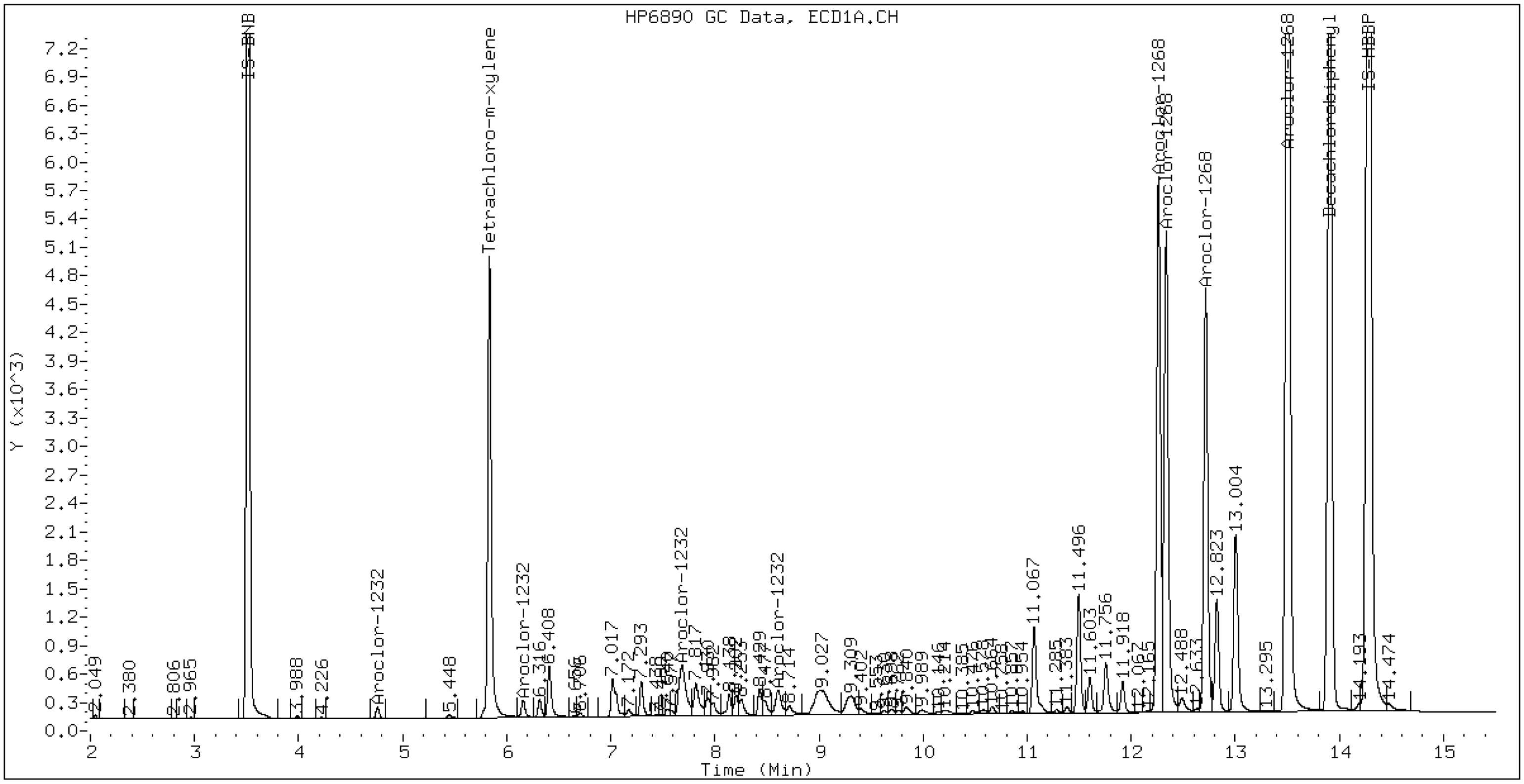
 Total PCB Area Col2 (5.936 - 13.808) =    1423323     Col2 Total PCB = 0.7 ppm*


   *  Quantitated against AR1660 0.25ppm in Ical


                                    PCB-Form 10 Mod.
```

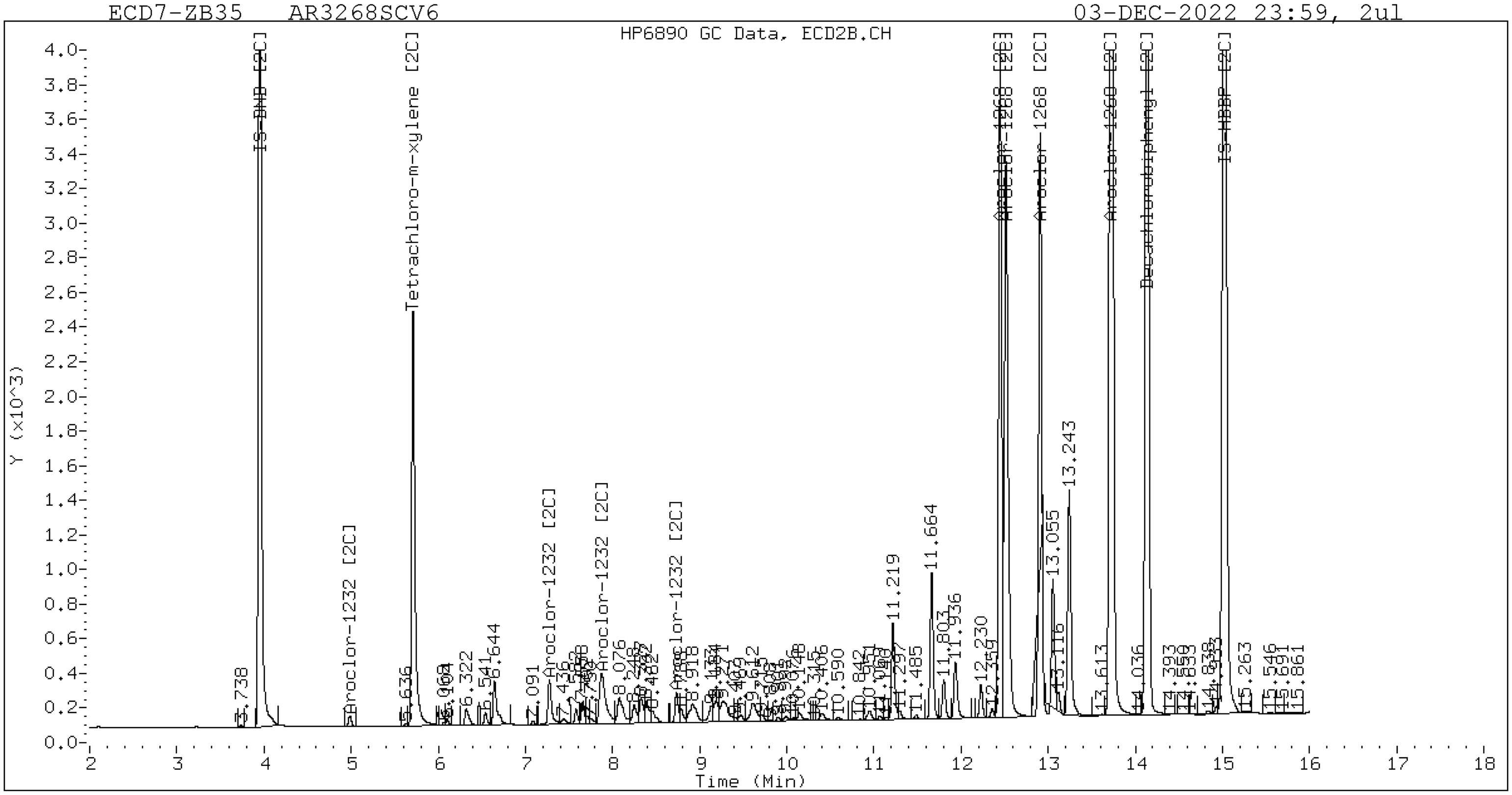
PCB Dual Column Chromatograms

ECD7-ZB5 AR3268SCV6 03-DEC-2022 23:59, 2ul



ZB-5 Manual Integration: NO

ECD7-ZB35 AR3268SCV6 03-DEC-2022 23:59, 2ul



ZB-35 Manual Integration: NO

CONTINUING CALIBRATION CHECK

EPA 8082A

Laboratory:	Analytical Resources, LLC	SDG:	22L0307
Client:	Anchor QEA, LLC	Project:	AOC4 UR Phase 3
Instrument ID:	ECD7	Calibration:	FL00010
Lab File ID:	12312220ECD7.D	Calibration Date:	12/03/2022
Sequence:	SLA0071	Injection Date:	12/31/22
Lab Sample ID:	SLA0071-CCV1	Injection Time:	16:50
Sequence Name:	AR1248CCV1		

COMPOUND	TYPE	CONC. (ug/L) STD	CCV	RESPONSE FACTOR (RRF) ICAL	CCV	MIN	% DRIFT/DIFF CCV	LIMIT
Aroclor 1248	A	250.00	249	0.0490062	0.0502001		-0.5	+/-20
Aroclor-1248 (1)	A	250.00	276		0.0380015			
Aroclor-1248 (2)	A	250.00	288		0.0506237			
Aroclor-1248 (3)	A	250.00	281		0.0889393			
Aroclor-1248 (4)	A	250.00	150		0.0232358			
Aroclor 1248 [2C]	A	250.00	250	0.0394876	0.0398736		-0.2	+/-20
Aroclor-1248 (1) [2C]	A	250.00	260		0.0339402			
Aroclor-1248 (2) [2C]	A	250.00	192		0.0263420			
Aroclor-1248 (3) [2C]	A	250.00	276		0.0462466			
Aroclor-1248 (4) [2C]	A	250.00	270		0.0529655			
Decachlorobiphenyl	A	40.000	42.5	0.7333327	0.7794710		6.3	+/-20
Tetrachlorometaxylene	A	40.000	35.8	1.1336710	1.0142320		-10.5	+/-20
Decachlorobiphenyl [2C]	A	40.000	40.8	1.1358180	1.1571900		2.0	+/-20
Tetrachlorometaxylene [2C]	A	40.000	36.7	1.0966080	1.0072460		-8.3	+/-20

* Values outside of QC limits

* Values outside of QC limits

```
                              Analytical Resources Inc.
                         Dual Column 608/8082 PCB Quantitation Report

 Data file 1: /221231.b/12312220ECD7.D                  ARI ID: AR1248CCV1
 Data file 2: /221231.b/221231.b/12312220ECD7.D         Client ID:
 Method: \\target\share\chem4\ecd7.i\221231.b\PCB.m     Injection Date: 31-DEC-2022 16:50
 Compound Sublist: AR1248.sub                              Report Date: 01/05/2023 17:03
 Instrument, Inj. Vol.: ecd7.i, 2ul                     Matrix: NONE
 Quant Method: Internal Std                             Dilution Factor:  1.0



                                 SURROGATES

       ZB5 Col         |       ZB35 Col         |   ZB5    ZB35
   RT    Shift Response | RT    Shift  Response  |  on col  on col    RPD   Compound/Flag
 ==========================================================================================

  5.832 -0.000   176700 | 5.708  -0.002   120793|   35.8    36.7      2.6    Tetrachloro-m-xylene
 13.903  0.002   253224 |14.129  -0.001   210387|   42.5    40.8      4.2    Decachlorobiphenyl


*  Indicates RPD > 40%



                             INTERNAL STANDARD SUMMARY

                                         Column 1
                                  Standard    Sample
                 Standard Cpnd      Area*       Area      %D
               --------------------------------------------------
                 Bromo-Nitrobenzene    447645      348441  -22.2
                 Hexabromobiphenyl     798898      649733  -18.7

                                         Column 2
                                  Standard    Sample
                 Standard Cpnd      Area*       Area      %D
               --------------------------------------------------
                 Bromo-Nitrobenzene    249094     239848    -3.7
                 Hexabromobiphenyl     362541     363617     0.3


                * Standard Areas taken from Initial Cal Level 3
                  Initial Calibration Date: 03-DEC-2022
               <- Indicates standard response outside Limits (-50 to +100%)
```

```
                             ZB5 Col                                ZB35 Col
 Aroclor   Peak#    RT    Shift    Area    Amount    Peak#   RT     Shift    Area   Amount
 ===========================================================================================
 Aroclor-1248 1   8.423  -0.005     41379   276.2      1    8.322  -0.002    25439   259.6
 Aroclor-1248 2   8.598  -0.006     55123   288.2      2    8.726  -0.002    19744   191.6
 Aroclor-1248 3   9.017  -0.005     96844   281.4      3    9.172  -0.002    34663   276.5
 Aroclor-1248 4   9.311  -0.000     25301   150.1      4    9.593  -0.002    39699   269.8
       Total Col1Ave (4 peaks):   249.0       Total Col2Ave (4 peaks):   249.4   RPD = 0
       Corrected Ave (3 peaks):   235.9       Corrected Ave (3 peaks):   240.3   RPD = 2

                    CalAmt %D:    -0.4                       CalAmt %D:    -0.2




 Total PCB Area Col1 (5.932 - 13.801) =     905221     Col1 Total PCB = 0.3 ppm*

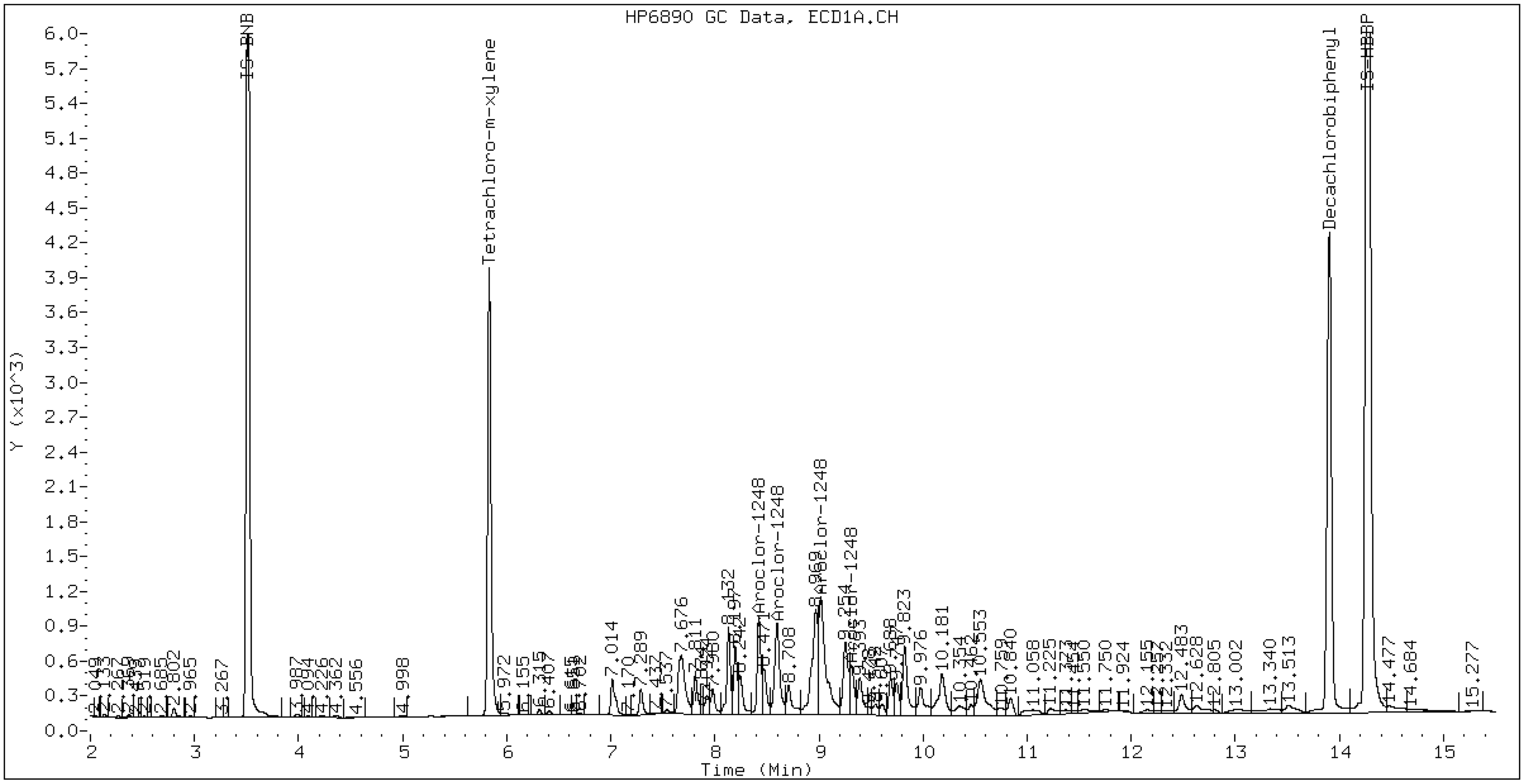
 Total PCB Area Col2 (5.810 - 14.030) =     487801     Col2 Total PCB = 0.2 ppm*


   *  Quantitated against AR1660 0.25ppm in Ical


                                        PCB-Form 10 Mod.
```

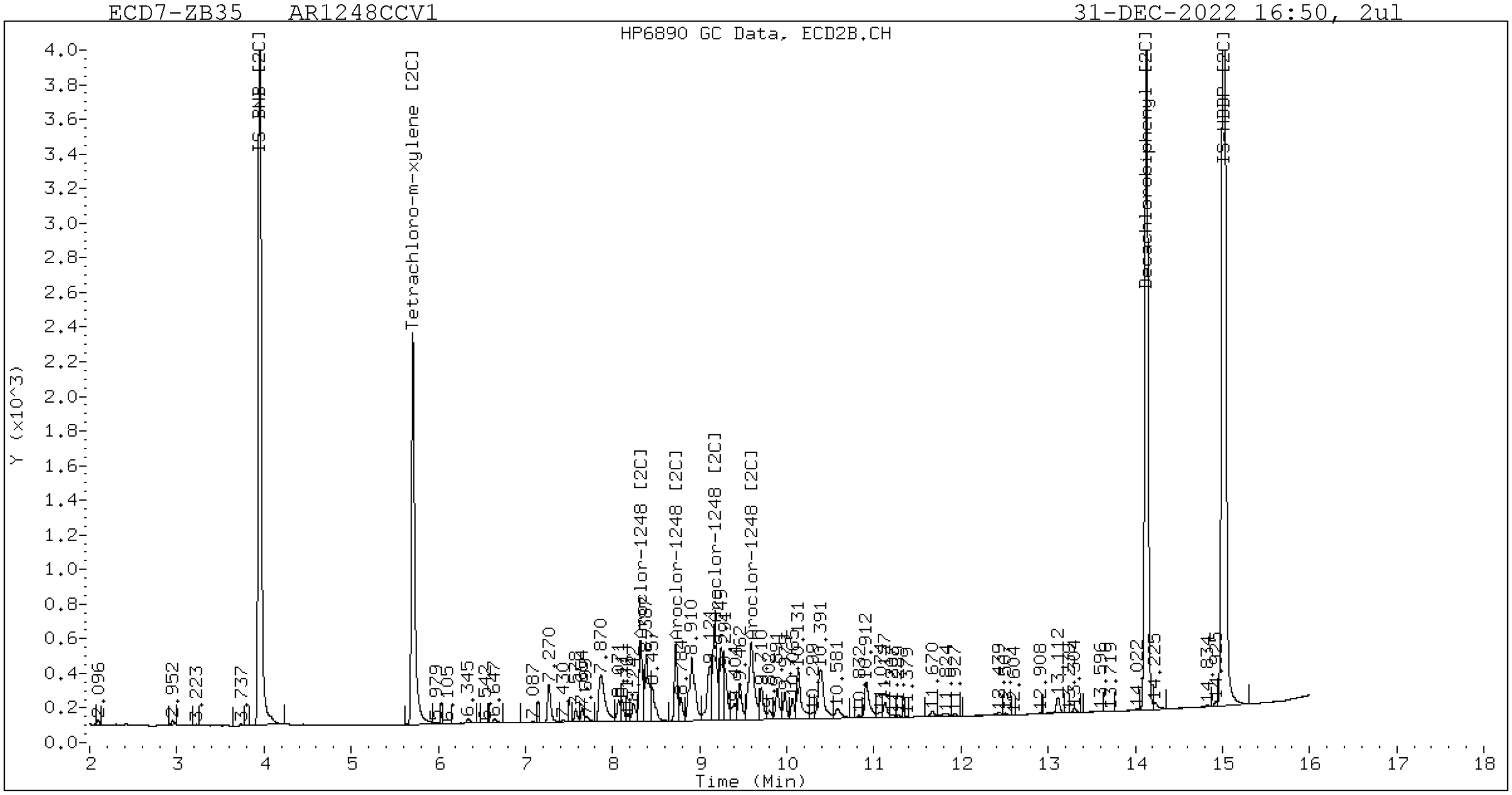
PCB Dual Column Chromatograms

ECD7-ZB5 AR1248CCV1 31-DEC-2022 16:50, 2ul



ZB-5 Manual Integration: NO

ECD7-ZB35 AR1248CCV1 31-DEC-2022 16:50, 2ul



ZB-35 Manual Integration: NO

CONTINUING CALIBRATION CHECK
EPA 8082A

Laboratory: Analytical Resources, LLC
SDG: 22L0307
Client: Anchor QEA, LLC
Project: AOC4 UR Phase 3
Instrument ID: ECD7
Calibration: FL00010
Lab File ID: 12312221ECD7.D
Calibration Date: 12/03/2022
Sequence: SLA0071
Injection Date: 12/31/22
Lab Sample ID: SLA0071-CCV2
Injection Time: 17:11
Sequence Name: AR1660CCV2

		CONC. (ug/L)		RESPONSE FACTOR (RRF)			% DRIFT/DIFF	
COMPOUND	TYPE	STD	CCV	ICAL	CCV	MIN	CCV	LIMIT
Aroclor 1016	A	250.00	269	0.0441939	0.0471395		7.5	+/-20
Aroclor-1016 (1)	A	250.00	262	0.0266860	0.0279276		4.8	
Aroclor-1016 (2)	A	250.00	263	0.0861572	0.0905735		5.2	
Aroclor-1016 (3)	A	250.00	272	0.0390425	0.0424102		8.8	
Aroclor-1016 (4)	A	250.00	278	0.0248899	0.0276468		11.2	
Aroclor 1016 [2C]	A	250.00	242	0.0467310	0.0425374		-3.3	+/-20
Aroclor-1016 (1) [2C]	A	250.00	251	0.0409030	0.0410689		0.4	
Aroclor-1016 (2) [2C]	A	250.00	199	0.0882154	0.0702749		-20.4	
Aroclor-1016 (3) [2C]	A	250.00	246	0.0378846	0.0372189		-1.6	
Aroclor-1016 (4) [2C]	A	250.00	271	0.0199212	0.0215869		8.4	
Aroclor 1260	A	250.00	293	0.0390342	0.0454354		17.3	+/-20
Aroclor-1260 (1)	A	250.00	296	0.0291201	0.0344839		18.4	
Aroclor-1260 (2)	A	250.00	293	0.0301181	0.0353297		17.2	
Aroclor-1260 (3)	A	250.00	290	0.0791351	0.0917911		16.0	
Aroclor-1260 (4)	A	250.00	282	0.0403003	0.0454210		12.8	
Aroclor-1260 (5)	A	250.00	305	0.0164974	0.0201511		22.0	
Aroclor 1260 [2C]	A	250.00	219	0.0617619	0.0497467		-12.4	+/-20
Aroclor-1260 (1) [2C]	A	250.00	249	0.0422283	0.0420021		-0.4	
Aroclor-1260 (2) [2C]	A	250.00	173	0.1059643	0.0733546		-30.8	
Aroclor-1260 (3) [2C]	A	250.00	263	0.0282173	0.0296610		5.2	
Aroclor-1260 (4) [2C]	A	250.00	191	0.0706376	0.0539693		-23.6	
Decachlorobiphenyl	A	40.000	45.0	0.7333327	0.8243327		12.5	+/-20
Tetrachlorometaxylene	A	40.000	39.6	1.1336710	1.1233550		-1.0	+/-20
Decachlorobiphenyl [2C]	A	40.000	40.8	1.1358180	1.1587260		2.0	+/-20
Tetrachlorometaxylene [2C]	A	40.000	40.7	1.0966080	1.1152490		1.8	+/-20

* Values outside of QC limits

* Values outside of QC limits

```
                              Analytical Resources Inc.
                        Dual Column 608/8082 PCB Quantitation Report

 Data file 1: /221231.b/12312221ECD7.D                        ARI ID: AR1660CCV2
 Data file 2: /221231.b/221231.b/12312221ECD7.D               Client ID:
 Method: \\target\share\chem4\ecd7.i\221231.b\PCB.m           Injection Date: 31-DEC-2022 17:11
 Compound Sublist: AR1660.sub                                    Report Date: 01/05/2023 17:03
 Instrument, Inj. Vol.: ecd7.i, 2ul                           Matrix: NONE
 Quant Method: Internal Std                                   Dilution Factor:  1.0



                                  SURROGATES

        ZB5 Col          |        ZB35 Col         |   ZB5    ZB35
   RT    Shift Response | RT    Shift  Response   |  on col  on col    RPD   Compound/Flag
 ============================================================================================

  5.832  0.001   140835 | 5.710  -0.001    95201|   39.6    40.7      2.6    Tetrachloro-m-xylene
 13.902  0.001   218165 |14.128  -0.002   166601|   45.0    40.8      9.7    Decachlorobiphenyl


*  Indicates RPD > 40%




                             INTERNAL STANDARD SUMMARY

                                         Column 1
                                  Standard    Sample
                  Standard Cpnd      Area*       Area      %D
              --------------------------------------------------
                Bromo-Nitrobenzene    447645      250740  -44.0
                Hexabromobiphenyl     798898      529313  -33.7

                                         Column 2
                                  Standard    Sample
                  Standard Cpnd      Area*       Area      %D
              --------------------------------------------------
                Bromo-Nitrobenzene    249094     170726   -31.5
                Hexabromobiphenyl     362541     287559   -20.7


               * Standard Areas taken from Initial Cal Level 3
                 Initial Calibration Date: 03-DEC-2022
              <- Indicates standard response outside Limits (-50 to +100%)
```

```
                            ZB5 Col                                ZB35 Col
 Aroclor   Peak#    RT    Shift    Area    Amount    Peak#   RT     Shift    Area   Amount
 ========================================================================================
 Aroclor-1016 1   7.289  -0.005     21883   261.6      1    7.272  -0.001    21911   251.0
 Aroclor-1016 2   7.676  -0.009     70970   262.8      2    7.871  -0.003    37493   199.2
 Aroclor-1016 3   7.811  -0.006     33231   271.6      3    8.071  -0.001    19857   245.6
 Aroclor-1016 4   8.423  -0.006     21663   277.7      4    8.242  -0.001    11517   270.9
       Total Col1Ave (4 peaks):   268.4       Total Col2Ave (4 peaks):   241.7   RPD = 10
       Corrected Ave (3 peaks):   265.3       Corrected Ave (3 peaks):   231.9   RPD = 13

                     CalAmt %D:     7.4                    CalAmt %D:    -3.3

 Aroclor-1260 1  11.055  -0.007     57040   296.0      1   11.663   0.000    37744   248.7
 Aroclor-1260 2  11.373  -0.005     58439   293.3      2   11.926   0.000    65918   173.1
 Aroclor-1260 3  11.745  -0.006    151832   290.0      3   12.444  -0.001    26654   262.8
 Aroclor-1260 4  12.150  -0.009     75131   281.8      4   12.509  -0.001    48498   191.0
 Aroclor-1260 5  12.256  -0.005     33332   305.4      NS    ---                      ----
       Total Col1Ave (5 peaks):   293.3       Total Col2Ave (4 peaks):   218.9   RPD = 29
       Corrected Ave (4 peaks):   290.3       Corrected Ave (3 peaks):   204.2   RPD = 35

                     CalAmt %D:    17.3                    CalAmt %D:   -12.4




 Total PCB Area Col1 (5.932 - 13.801) =    1566647     Col1 Total PCB = 0.7 ppm*

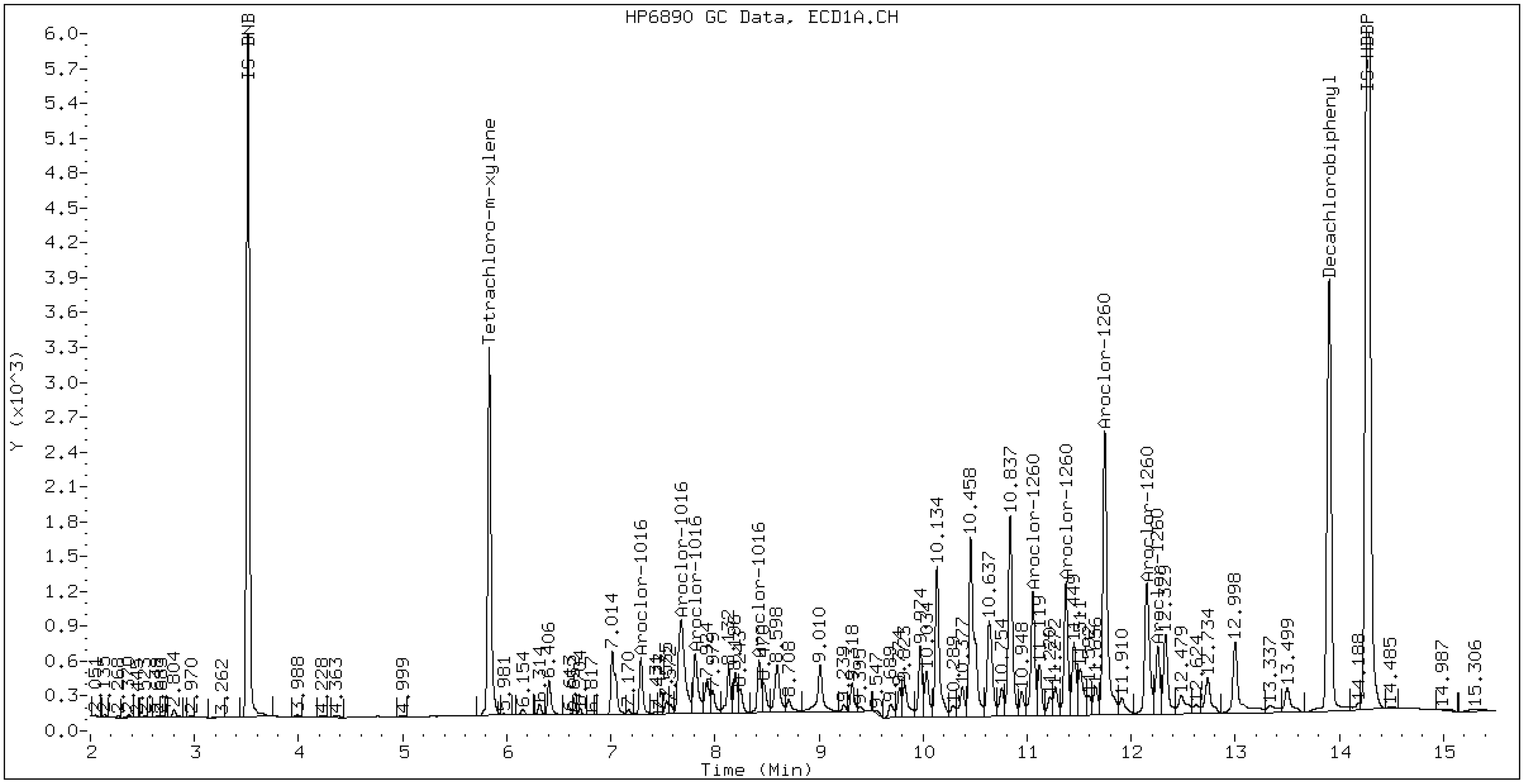
 Total PCB Area Col2 (5.810 - 14.030) =     819007     Col2 Total PCB = 0.5 ppm*


   *  Quantitated against AR1660 0.25ppm in Ical


                                        PCB-Form 10 Mod.
```

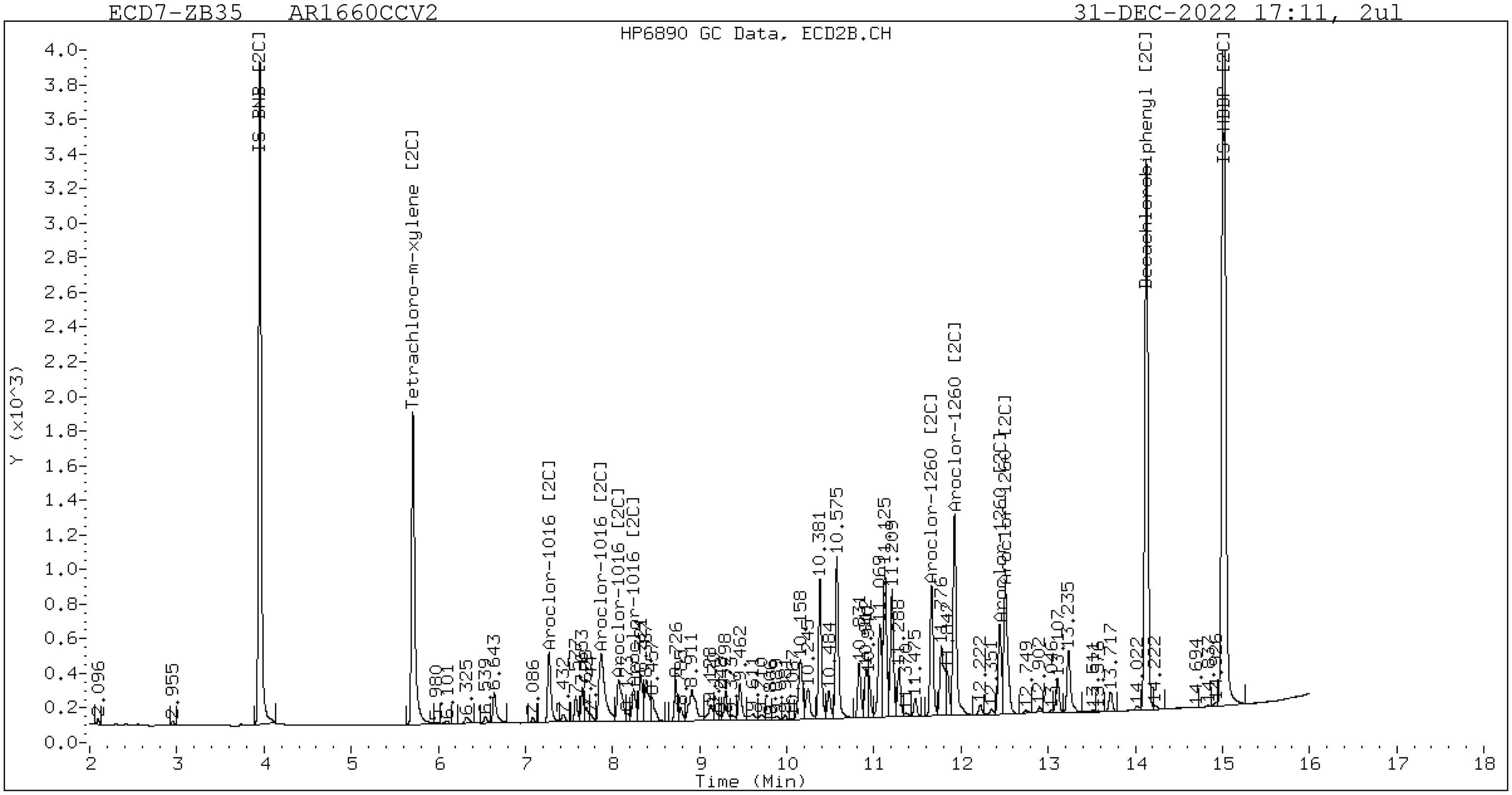
PCB Dual Column Chromatograms

ECD7-ZB5 AR1660CCV2 31-DEC-2022 17:11, 2ul



ZB-5 Manual Integration: NO

ECD7-ZB35 AR1660CCV2 31-DEC-2022 17:11, 2ul



ZB-35 Manual Integration: NO

CONTINUING CALIBRATION CHECK

EPA 8082A

Laboratory: Analytical Resources, LLC
SDG: 22L0307
Client: Anchor QEA, LLC
Project: AOC4 UR Phase 3
Instrument ID: ECD7
Calibration: FL00010
Lab File ID: 12312238ECD7.D
Calibration Date: 12/03/2022
Sequence: SLA0071
Injection Date: 12/31/22
Lab Sample ID: SLA0071-CCV3
Injection Time: 23:10
Sequence Name: AR1242CCV3

		CONC. (ug/L)		RESPONSE FACTOR (RRF)			% DRIFT/DIFF	
COMPOUND	TYPE	STD	CCV	ICAL	CCV	MIN	CCV	LIMIT
Aroclor 1242	A	250.00	271	0.0396000	0.0423722		8.2	+/-20
Aroclor-1242 (1)	A	250.00	282		0.0255328			
Aroclor-1242 (2)	A	250.00	262		0.0756173			
Aroclor-1242 (3)	A	250.00	271		0.0224575			
Aroclor-1242 (4)	A	250.00	267		0.0458813			
Aroclor 1242 [2C]	A	250.00	267	0.0391981	0.0389778		6.6	+/-20
Aroclor-1242 (1) [2C]	A	250.00	267		0.0361778			
Aroclor-1242 (2) [2C]	A	250.00	206		0.0591282			
Aroclor-1242 (3) [2C]	A	250.00	295		0.0273256			
Aroclor-1242 (4) [2C]	A	250.00	298		0.0332794			
Decachlorobiphenyl	A	40.000	42.0	0.7333327	0.7704844		5.0	+/-20
Tetrachlorometaxylene	A	40.000	39.0	1.1336710	1.1066290		-2.5	+/-20
Decachlorobiphenyl [2C]	A	40.000	40.0	1.1358180	1.1348730		0.0	+/-20
Tetrachlorometaxylene [2C]	A	40.000	39.3	1.0966080	1.0771940		-1.8	+/-20

* Values outside of QC limits

* Values outside of QC limits

```
                              Analytical Resources Inc.
                         Dual Column 608/8082 PCB Quantitation Report

 Data file 1: /221231.b/12312238ECD7.D                   ARI ID: AR1242CCV3
 Data file 2: /221231.b/221231.b/12312238ECD7.D          Client ID:
 Method: \\target\share\chem4\ecd7.i\221231.b\PCB.m      Injection Date: 31-DEC-2022 23:10
 Compound Sublist: AR1242.sub                               Report Date: 01/05/2023 17:04
 Instrument, Inj. Vol.: ecd7.i, 2ul                      Matrix: NONE
 Quant Method: Internal Std                              Dilution Factor:  1.0



                                  SURROGATES

        ZB5 Col         |       ZB35 Col         |   ZB5    ZB35
   RT    Shift Response | RT    Shift  Response  |  on col  on col    RPD   Compound/Flag
 ========================================================================================

  5.832  0.000   179919 | 5.708  -0.002   118571|   39.0    39.3      0.6    Tetrachloro-m-xylene
 13.901  0.000   298753 |14.128  -0.002   216153|   42.0    40.0      5.0    Decachlorobiphenyl


*  Indicates RPD > 40%



                             INTERNAL STANDARD SUMMARY

                                         Column 1
                                  Standard    Sample
                Standard Cpnd       Area*       Area      %D
            --------------------------------------------------
              Bromo-Nitrobenzene    447645      325166  -27.4
              Hexabromobiphenyl     798898      775494   -2.9

                                         Column 2
                                  Standard    Sample
                Standard Cpnd       Area*       Area      %D
            --------------------------------------------------
              Bromo-Nitrobenzene    249094     220148   -11.6
              Hexabromobiphenyl     362541     380929     5.1


             * Standard Areas taken from Initial Cal Level 3
               Initial Calibration Date: 03-DEC-2022
            <- Indicates standard response outside Limits (-50 to +100%)
```

```
//target/share/chem4/ecd7.i/221231.b/12312238ECD7.D      AR1242CCV3                    page 2
                           ZB5 Col                                ZB35 Col
 Aroclor    Peak#    RT    Shift    Area    Amount    Peak#   RT     Shift    Area   Amount
 =========================================================================================
 Aroclor-1242 1   7.289   0.000     25945   281.5      1    7.272   0.000    24889   267.1
 Aroclor-1242 2   7.678   0.000     76838   262.6      2    7.870   0.000    40678   205.7
 Aroclor-1242 3   8.423   0.000     22820   271.0      3    9.170   0.000    18799   294.6
 Aroclor-1242 4   9.023   0.000     46622   266.7      4    9.592   0.000    22895   298.5
       Total Col1Ave (4 peaks):   270.4       Total Col2Ave (4 peaks):   266.5   RPD = 1
       Corrected Ave (3 peaks):   266.8       Corrected Ave (3 peaks):   255.8   RPD = 4

                     CalAmt %D:     8.2                    CalAmt %D:     6.6




 Total PCB Area Col1 (5.932 - 13.801) =     750928     Col1 Total PCB = 0.2 ppm*

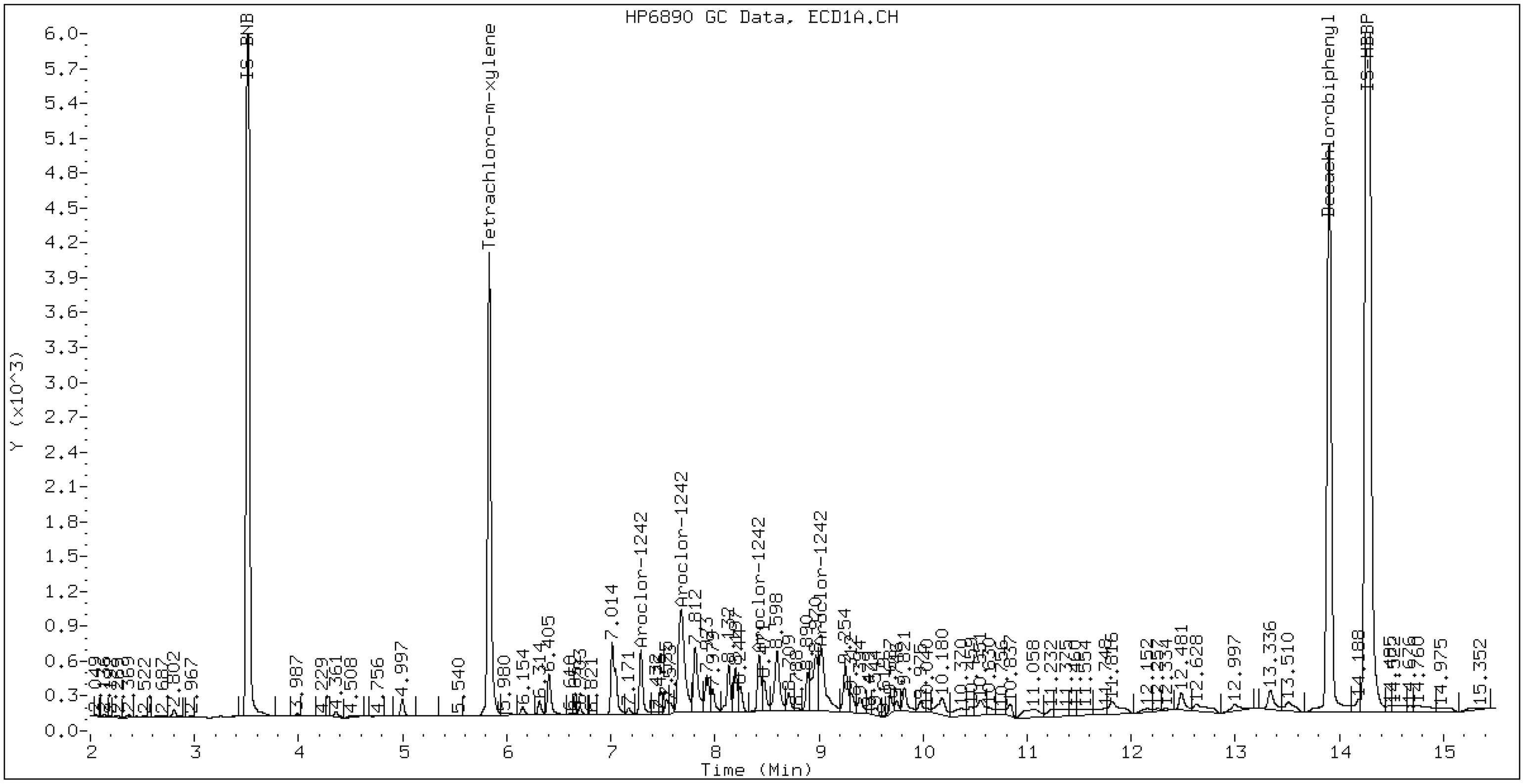
 Total PCB Area Col2 (5.810 - 14.030) =     386676     Col2 Total PCB = 0.2 ppm*


   *  Quantitated against AR1660 0.25ppm in Ical


                                        PCB-Form 10 Mod.
```

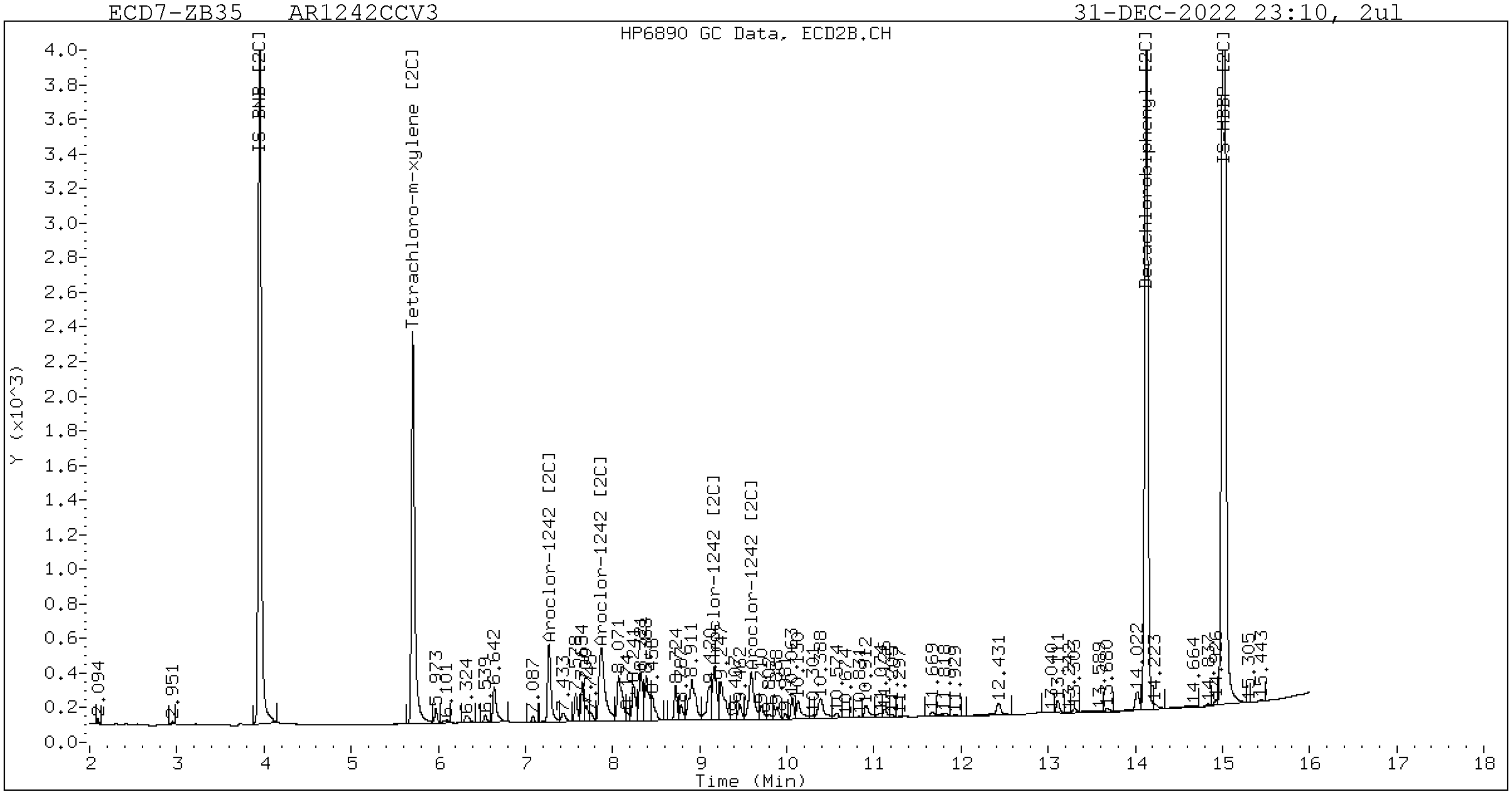
PCB Dual Column Chromatograms

ECD7-ZB5 AR1242CCV3 31-DEC-2022 23:10, 2ul



ZB-5 Manual Integration: YES

ECD7-ZB35 AR1242CCV3 31-DEC-2022 23:10, 2ul

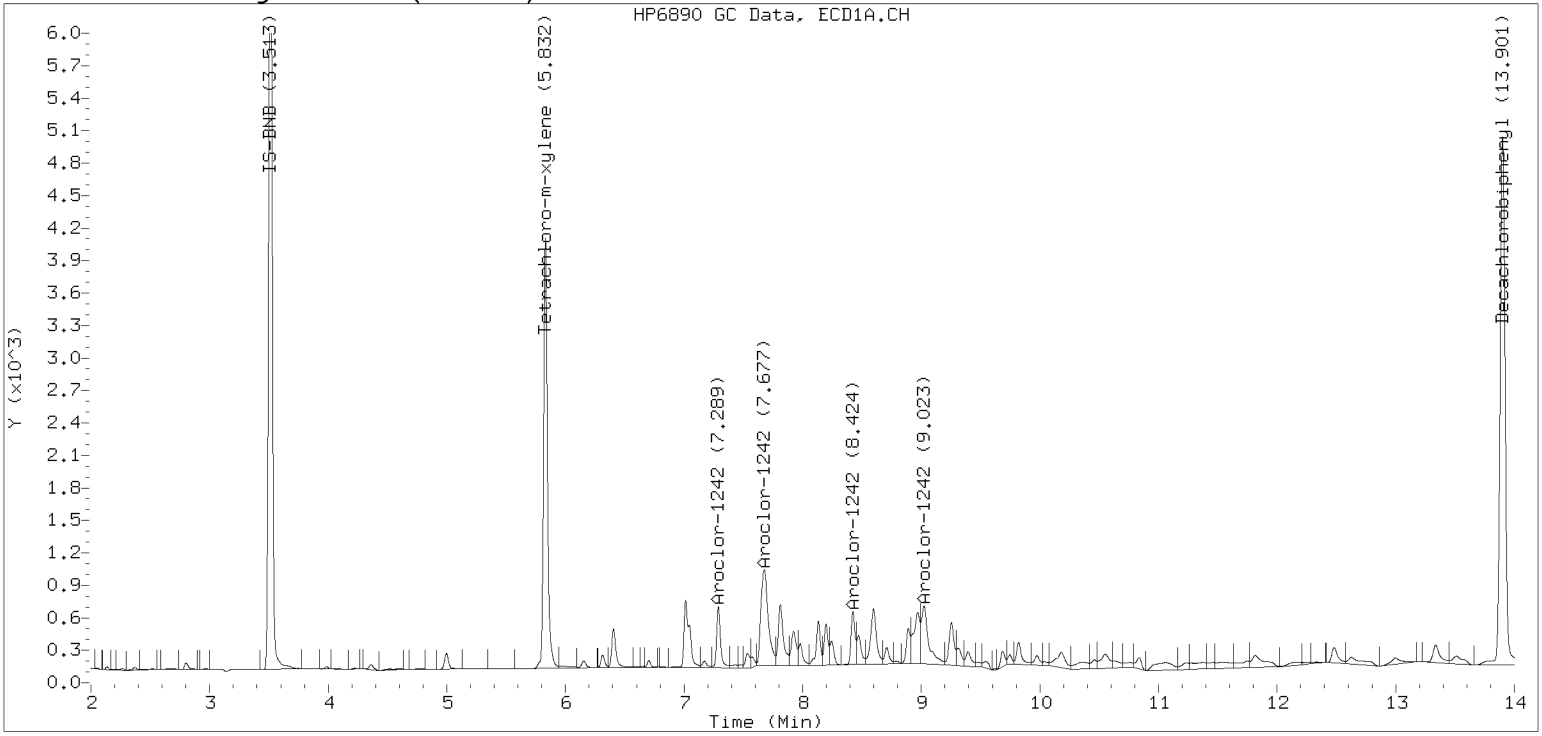


ZB-35 Manual Integration: NO

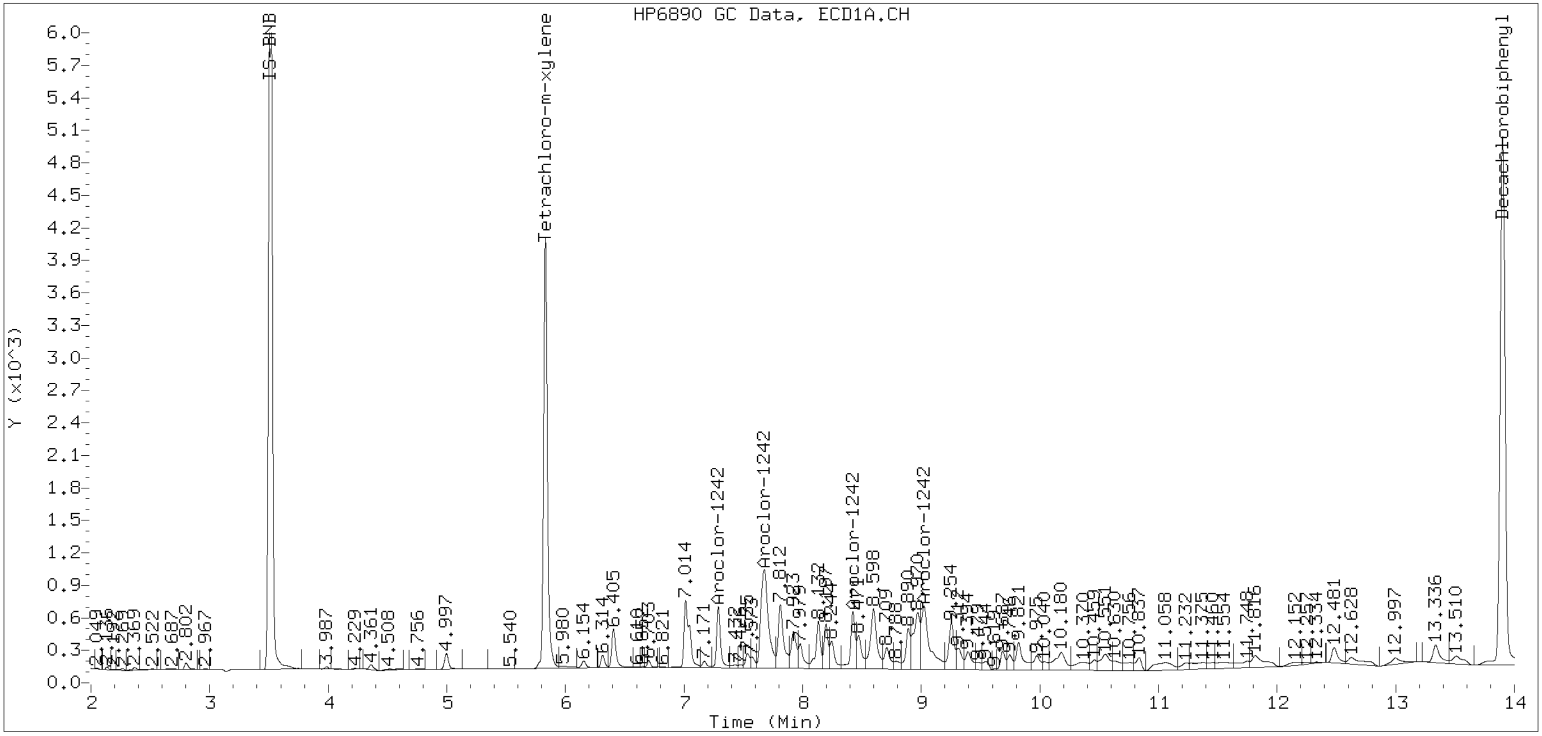
Manual Peak Adjustment, ZB-5

Datafile: ecd7.i/221231.b/12312238ECD7.D   Injection Date: 31-DEC-2022 23:10

Manual Integration (After)



Processed Integration (Before)



CONTINUING CALIBRATION CHECK

EPA 8082A

Laboratory:	Analytical Resources, LLC	SDG:	22L0307
Client:	Anchor QEA, LLC	Project:	AOC4 UR Phase 3
Instrument ID:	ECD7	Calibration:	FL00010
Lab File ID:	12312239ECD7.D	Calibration Date:	12/03/2022
Sequence:	SLA0071	Injection Date:	12/31/22
Lab Sample ID:	SLA0071-CCV4	Injection Time:	23:31
Sequence Name:	AR1660CCV4		

		CONC. (ug/L)		RESPONSE FACTOR (RRF)			% DRIFT/DIFF	
COMPOUND	TYPE	STD	CCV	ICAL	CCV	MIN	CCV	LIMIT
Aroclor 1016	A	250.00	262	0.0441939	0.0461870		4.8	+/-20
Aroclor-1016 (1)	A	250.00	255	0.0266860	0.0272414		2.0	
Aroclor-1016 (2)	A	250.00	259	0.0861572	0.0892206		3.6	
Aroclor-1016 (3)	A	250.00	267	0.0390425	0.0417024		6.8	
Aroclor-1016 (4)	A	250.00	267	0.0248899	0.0265837		6.8	
Aroclor 1016 [2C]	A	250.00	245	0.0467310	0.0431473		-2.2	+/-20
Aroclor-1016 (1) [2C]	A	250.00	253	0.0409030	0.0414465		1.2	
Aroclor-1016 (2) [2C]	A	250.00	203	0.0882154	0.0715418		-18.8	
Aroclor-1016 (3) [2C]	A	250.00	250	0.0378846	0.0379026		0.0	
Aroclor-1016 (4) [2C]	A	250.00	272	0.0199212	0.0216983		8.8	
Aroclor 1260	A	250.00	286	0.0390342	0.0444044		14.6	+/-20
Aroclor-1260 (1)	A	250.00	286	0.0291201	0.0333590		14.4	
Aroclor-1260 (2)	A	250.00	285	0.0301181	0.0343483		14.0	
Aroclor-1260 (3)	A	250.00	285	0.0791351	0.0901377		14.0	
Aroclor-1260 (4)	A	250.00	275	0.0403003	0.0443098		10.0	
Aroclor-1260 (5)	A	250.00	301	0.0164974	0.0198672		20.4	
Aroclor 1260 [2C]	A	250.00	206	0.0617619	0.0467579		-17.6	+/-20
Aroclor-1260 (1) [2C]	A	250.00	235	0.0422283	0.0397537		-6.0	
Aroclor-1260 (2) [2C]	A	250.00	162	0.1059643	0.0686140		-35.2	
Aroclor-1260 (3) [2C]	A	250.00	248	0.0282173	0.0280458		-0.8	
Aroclor-1260 (4) [2C]	A	250.00	179	0.0706376	0.0506181		-28.4	
Decachlorobiphenyl	A	40.000	47.0	0.7333327	0.8611980		17.5	+/-20
Tetrachlorometaxylene	A	40.000	39.2	1.1336710	1.1125820		-2.0	+/-20
Decachlorobiphenyl [2C]	A	40.000	40.5	1.1358180	1.1502410		1.3	+/-20
Tetrachlorometaxylene [2C]	A	40.000	40.2	1.0966080	1.1019960		0.5	+/-20

* Values outside of QC limits

* Values outside of QC limits

```
                              Analytical Resources Inc.
                         Dual Column 608/8082 PCB Quantitation Report

Data file 1: /221231.b/12312239ECD7.D                   ARI ID: AR1660CCV4
Data file 2: /221231.b/221231.b/12312239ECD7.D          Client ID:
Method: \\target\share\chem4\ecd7.i\221231.b\PCB.m      Injection Date: 31-DEC-2022 23:31
Compound Sublist: AR1660.sub                               Report Date: 01/05/2023 17:04
Instrument, Inj. Vol.: ecd7.i, 2ul                      Matrix: NONE
Quant Method: Internal Std                              Dilution Factor:  1.0



                                 SURROGATES

       ZB5 Col         |       ZB35 Col         |   ZB5    ZB35
  RT    Shift Response | RT    Shift  Response  |  on col  on col    RPD   Compound/Flag
========================================================================================

 5.832  0.001   144259 | 5.708  -0.002    96569|   39.3    40.2      2.4    Tetrachloro-m-xylene
13.904  0.003   254059 |14.128  -0.002   184827|   47.0    40.5     14.8    Decachlorobiphenyl


*  Indicates RPD > 40%




                            INTERNAL STANDARD SUMMARY

                                        Column 1
                                 Standard    Sample
               Standard Cpnd       Area*       Area      %D
           --------------------------------------------------
             Bromo-Nitrobenzene    447645      259323  -42.1
             Hexabromobiphenyl     798898      590013  -26.1

                                        Column 2
                                 Standard    Sample
               Standard Cpnd       Area*       Area      %D
           --------------------------------------------------
             Bromo-Nitrobenzene    249094     175262   -29.6
             Hexabromobiphenyl     362541     321371   -11.4


            * Standard Areas taken from Initial Cal Level 3
              Initial Calibration Date: 03-DEC-2022
           <- Indicates standard response outside Limits (-50 to +100%)
```

```
                            ZB5 Col                                ZB35 Col
 Aroclor    Peak#    RT    Shift    Area    Amount    Peak#   RT     Shift    Area   Amount
 ========================================================================================
 Aroclor-1016 1   7.290  -0.005     22076   255.2      1    7.273  -0.001    22700   253.3
 Aroclor-1016 2   7.677  -0.007     72303   258.9      2    7.872  -0.002    39183   202.7
 Aroclor-1016 3   7.812  -0.006     33795   267.0      3    8.071  -0.001    20759   250.1
 Aroclor-1016 4   8.424  -0.005     21543   267.0      4    8.242  -0.001    11884   272.3
       Total Col1Ave (4 peaks):   262.0       Total Col2Ave (4 peaks):   244.6   RPD = 7
       Corrected Ave (3 peaks):   260.4       Corrected Ave (3 peaks):   235.4   RPD = 10

                     CalAmt %D:     4.8                     CalAmt %D:    -2.2

 Aroclor-1260 1  11.057  -0.005     61507   286.4      1   11.664   0.000    39924   235.3
 Aroclor-1260 2  11.374  -0.004     63331   285.1      2   11.926  -0.000    68908   161.9
 Aroclor-1260 3  11.747  -0.005    166195   284.8      3   12.444  -0.001    28166   248.5
 Aroclor-1260 4  12.150  -0.008     81698   274.9      4   12.509  -0.001    50835   179.1
 Aroclor-1260 5  12.256  -0.006     36631   301.1      NS    ---                     ----
       Total Col1Ave (5 peaks):   286.4       Total Col2Ave (4 peaks):   206.2   RPD = 33
       Corrected Ave (4 peaks):   282.8       Corrected Ave (3 peaks):   192.1   RPD = 38

                     CalAmt %D:    14.6                     CalAmt %D:   -17.5




 Total PCB Area Col1 (5.932 - 13.801) =    1677899     Col1 Total PCB = 0.7 ppm*

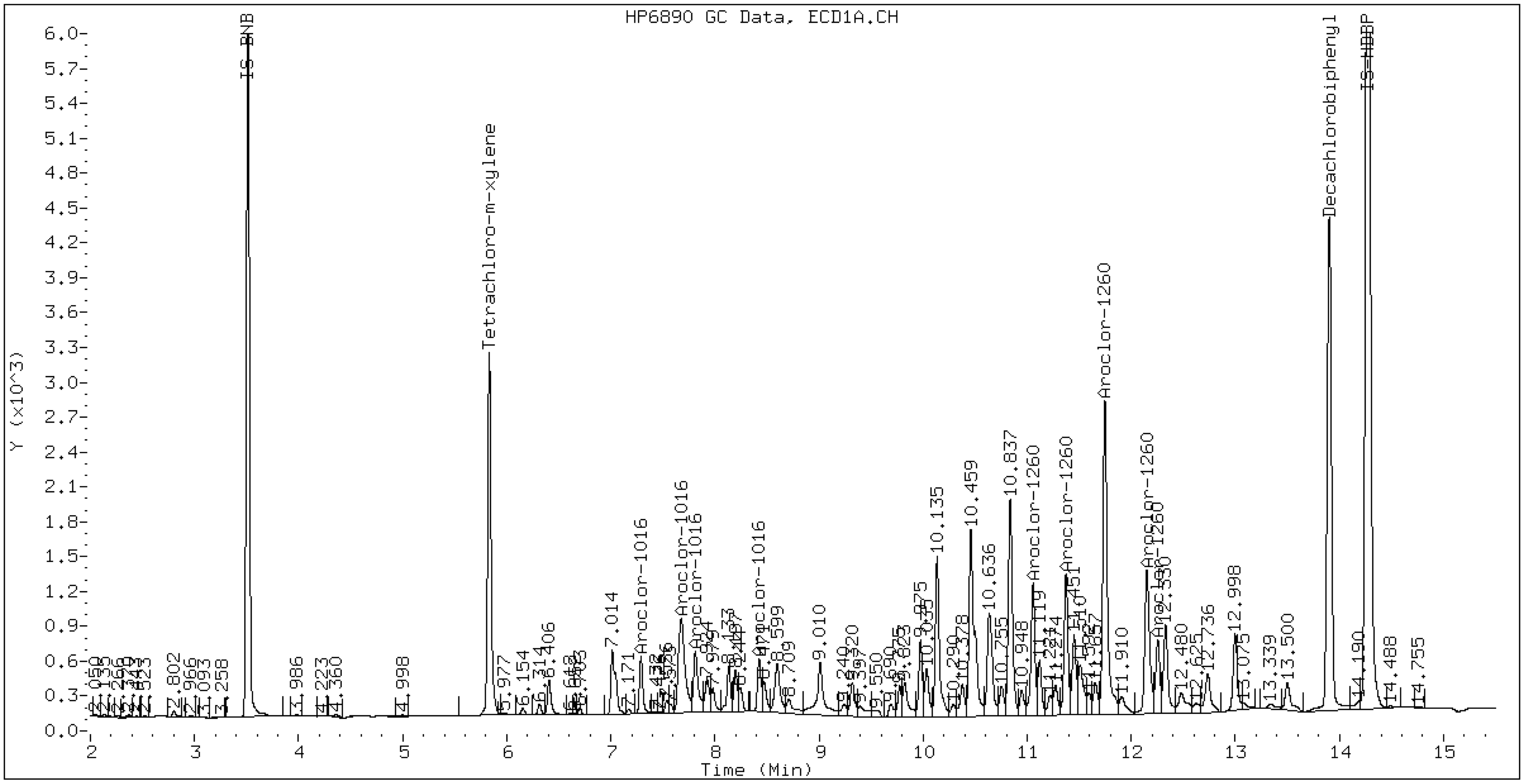
 Total PCB Area Col2 (5.810 - 14.030) =     848882     Col2 Total PCB = 0.5 ppm*


   *  Quantitated against AR1660 0.25ppm in Ical


                                    PCB-Form 10 Mod.
```

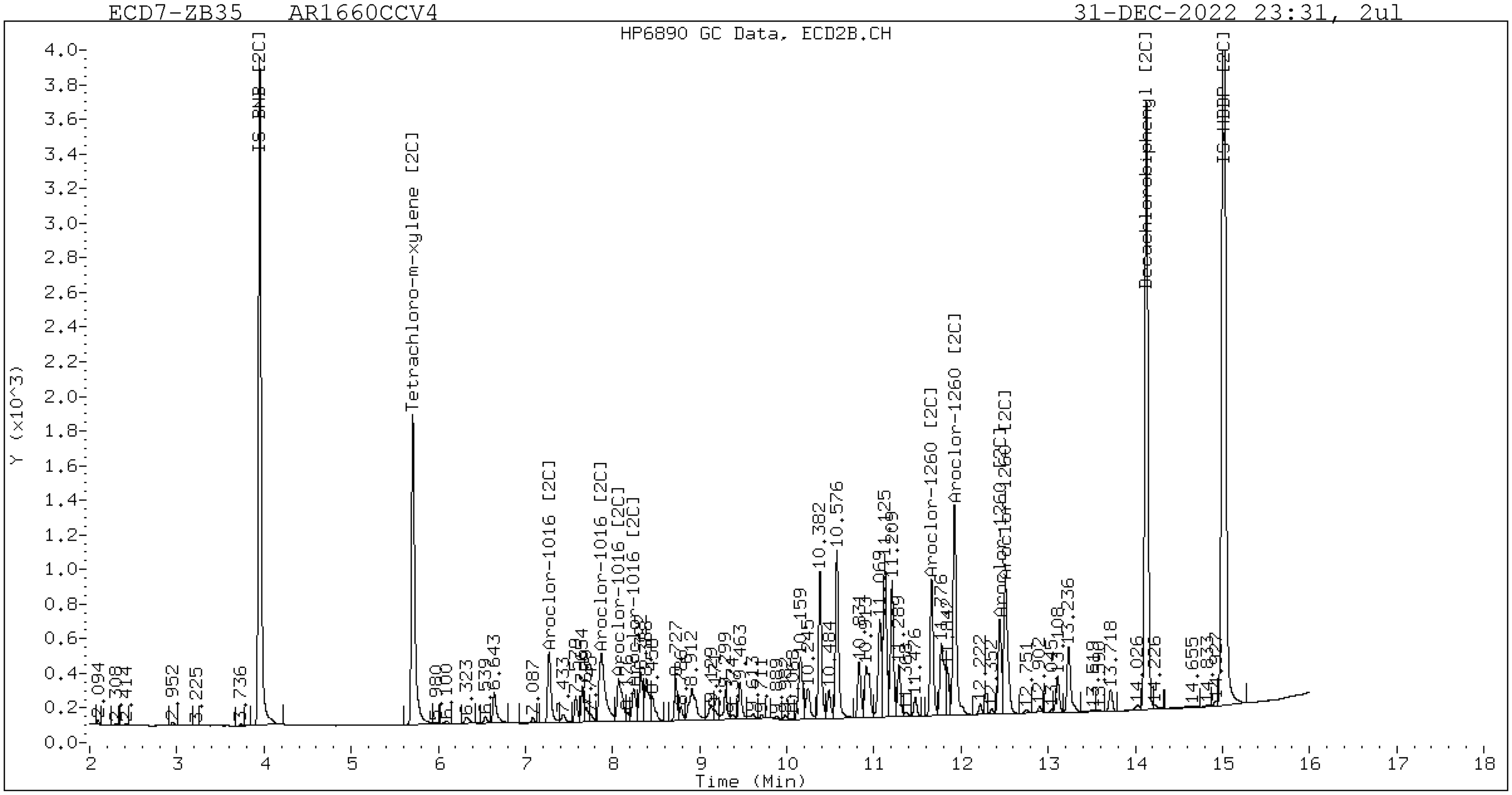
PCB Dual Column Chromatograms

ECD7-ZB5 AR1660CCV4 31-DEC-2022 23:31, 2ul



ZB-5 Manual Integration: NO

ECD7-ZB35 AR1660CCV4 31-DEC-2022 23:31, 2ul



ZB-35 Manual Integration: NO

CONTINUING CALIBRATION CHECK
EPA 8082A

Laboratory:	Analytical Resources, LLC	SDG:	22L0307
Client:	Anchor QEA, LLC	Project:	AOC4 UR Phase 3
Instrument ID:	ECD7	Calibration:	FL00010
Lab File ID:	12312250ECD7.D	Calibration Date:	12/03/2022
Sequence:	SLA0071	Injection Date:	01/01/23
Lab Sample ID:	SLA0071-CCV5	Injection Time:	03:22
Sequence Name:	AR1254CCV5		

		CONC. (ug/L)		RESPONSE FACTOR (RRF)			% DRIFT/DIFF	
COMPOUND	TYPE	STD	CCV	ICAL	CCV	MIN	CCV	LIMIT
Aroclor 1254	A	250.00	267	0.0576965	0.0624815		6.9	+/-20
Aroclor-1254 (1)	A	250.00	245		0.0691506			
Aroclor-1254 (2)	A	250.00	270		0.0296129			
Aroclor-1254 (3)	A	250.00	223		0.0397411			
Aroclor-1254 (4)	A	250.00	290		0.1006239			
Aroclor-1254 (5)	A	250.00	308		0.0732792			
Aroclor 1254 [2C]	A	250.00	237	0.0638047	0.0620114		-5.0	+/-20
Aroclor-1254 (1) [2C]	A	250.00	241		0.0497144			
Aroclor-1254 (2) [2C]	A	250.00	159		0.0264150			
Aroclor-1254 (3) [2C]	A	250.00	222		0.0791295			
Aroclor-1254 (4) [2C]	A	250.00	283		0.1046263			
Aroclor-1254 (5) [2C]	A	250.00	282		0.0501716			
Decachlorobiphenyl	A	40.000	44.1	0.7333327	0.8079811		10.3	+/-20
Tetrachlorometaxylene	A	40.000	36.5	1.1336710	1.0350970		-8.8	+/-20
Decachlorobiphenyl [2C]	A	40.000	41.1	1.1358180	1.1680180		2.8	+/-20
Tetrachlorometaxylene [2C]	A	40.000	36.1	1.0966080	0.9891596		-9.8	+/-20

* Values outside of QC limits

* Values outside of QC limits

```
                              Analytical Resources Inc.
                         Dual Column 608/8082 PCB Quantitation Report

Data file 1: /221231.b/12312250ECD7.D                        ARI ID: AR1254CCV5
Data file 2: /221231.b/221231.b/12312250ECD7.D               Client ID:
Method: \\target\share\chem4\ecd7.i\221231.b\PCB.m           Injection Date: 01-JAN-2023 03:22
Compound Sublist: AR1254.sub                                    Report Date: 01/05/2023 17:04
Instrument, Inj. Vol.: ecd7.i, 2ul                           Matrix: NONE
Quant Method: Internal Std                                   Dilution Factor:  1.0



                                 SURROGATES

       ZB5 Col          |        ZB35 Col          |   ZB5    ZB35
  RT    Shift Response | RT    Shift  Response   |  on col  on col    RPD   Compound/Flag
=============================================================================================

 5.831 -0.000   185610 | 5.708  -0.002   121861|   36.5    36.1      1.2    Tetrachloro-m-xylene
13.903  0.002   300169 |14.129  -0.001   231403|   44.1    41.1      6.9    Decachlorobiphenyl


*  Indicates RPD > 40%




                            INTERNAL STANDARD SUMMARY

                                        Column 1
                                 Standard    Sample
                 Standard Cpnd       Area*       Area      %D
              --------------------------------------------------
                Bromo-Nitrobenzene    447645      358633  -19.9
                Hexabromobiphenyl     798898      743010   -7.0

                                        Column 2
                                 Standard    Sample
                 Standard Cpnd       Area*       Area      %D
              --------------------------------------------------
                Bromo-Nitrobenzene    249094     246393    -1.1
                Hexabromobiphenyl     362541     396232     9.3


               * Standard Areas taken from Initial Cal Level 3
                 Initial Calibration Date: 03-DEC-2022
              <- Indicates standard response outside Limits (-50 to +100%)
```

```
//target/share/chem4/ecd7.i/221231.b/12312250ECD7.D      AR1254CCV5                         page 2
                              ZB5 Col                                 ZB35 Col
 Aroclor   Peak#    RT    Shift    Area    Amount    Peak#   RT     Shift    Area   Amount
 ==========================================================================================
 Aroclor-1254 1   9.314  -0.008     77499   245.4      1    9.461   0.000    38279   241.0
 Aroclor-1254 2   9.393  -0.009     33188   270.3      2    9.979   0.000    20339   159.2
 Aroclor-1254 3   9.685  -0.009     44539   223.3      3   10.130   0.000    60928   221.9
 Aroclor-1254 4   9.820  -0.010    112772   290.1      4   10.378   0.000    80560   283.3
 Aroclor-1254 5  10.173  -0.016     82126   308.2      5   10.575   0.000    38631   281.7
       Total Col1Ave (5 peaks):   267.5       Total Col2Ave (5 peaks):   237.4   RPD = 12
       Corrected Ave (4 peaks):   257.3       Corrected Ave (4 peaks):   226.0   RPD = 13

                     CalAmt %D:     7.0                     CalAmt %D:    -5.0




 Total PCB Area Col1 (5.932 - 13.801) =    1175140     Col1 Total PCB = 0.3 ppm*

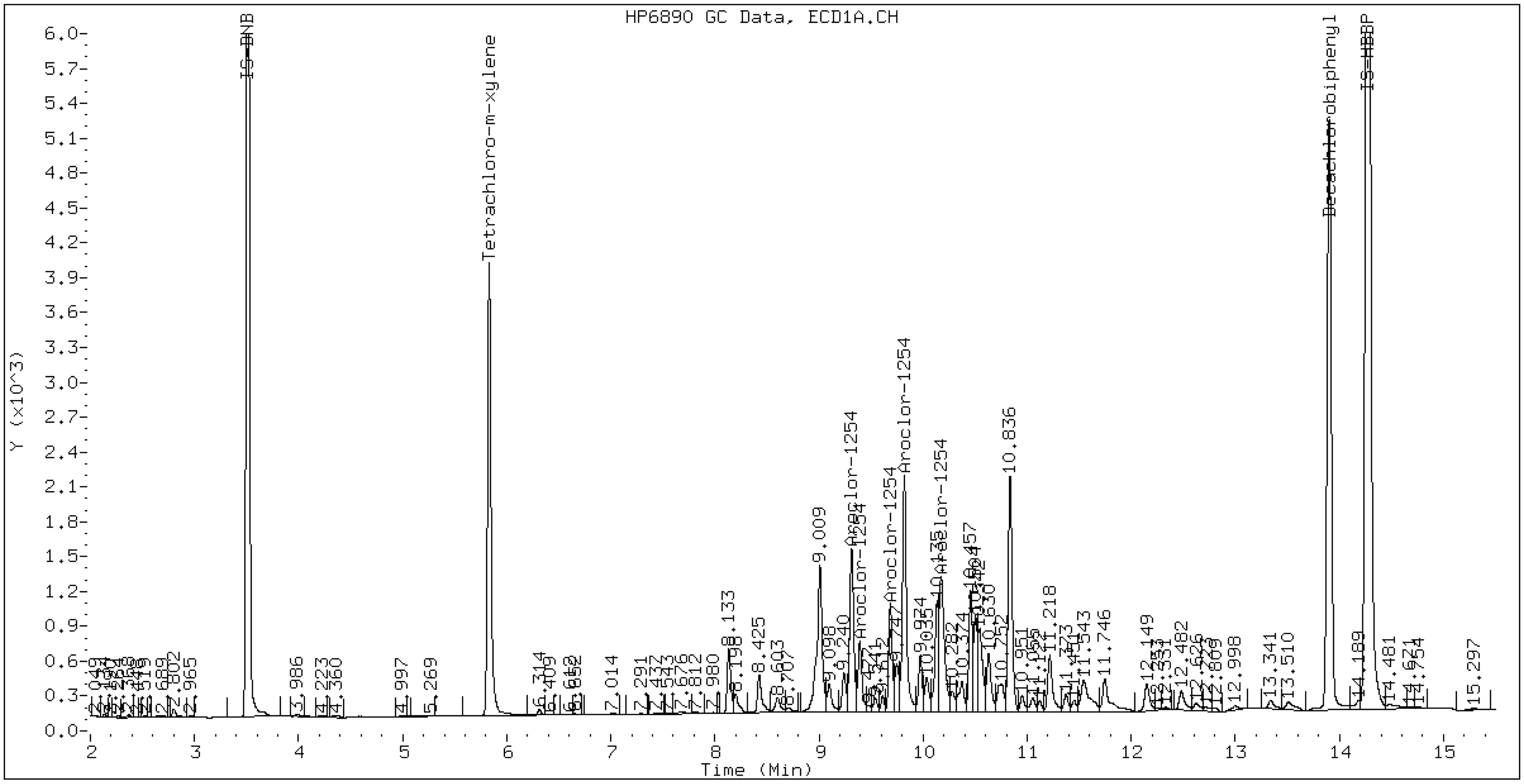
 Total PCB Area Col2 (5.810 - 14.030) =     692706     Col2 Total PCB = 0.3 ppm*


   *  Quantitated against AR1660 0.25ppm in Ical


                                        PCB-Form 10 Mod.
```

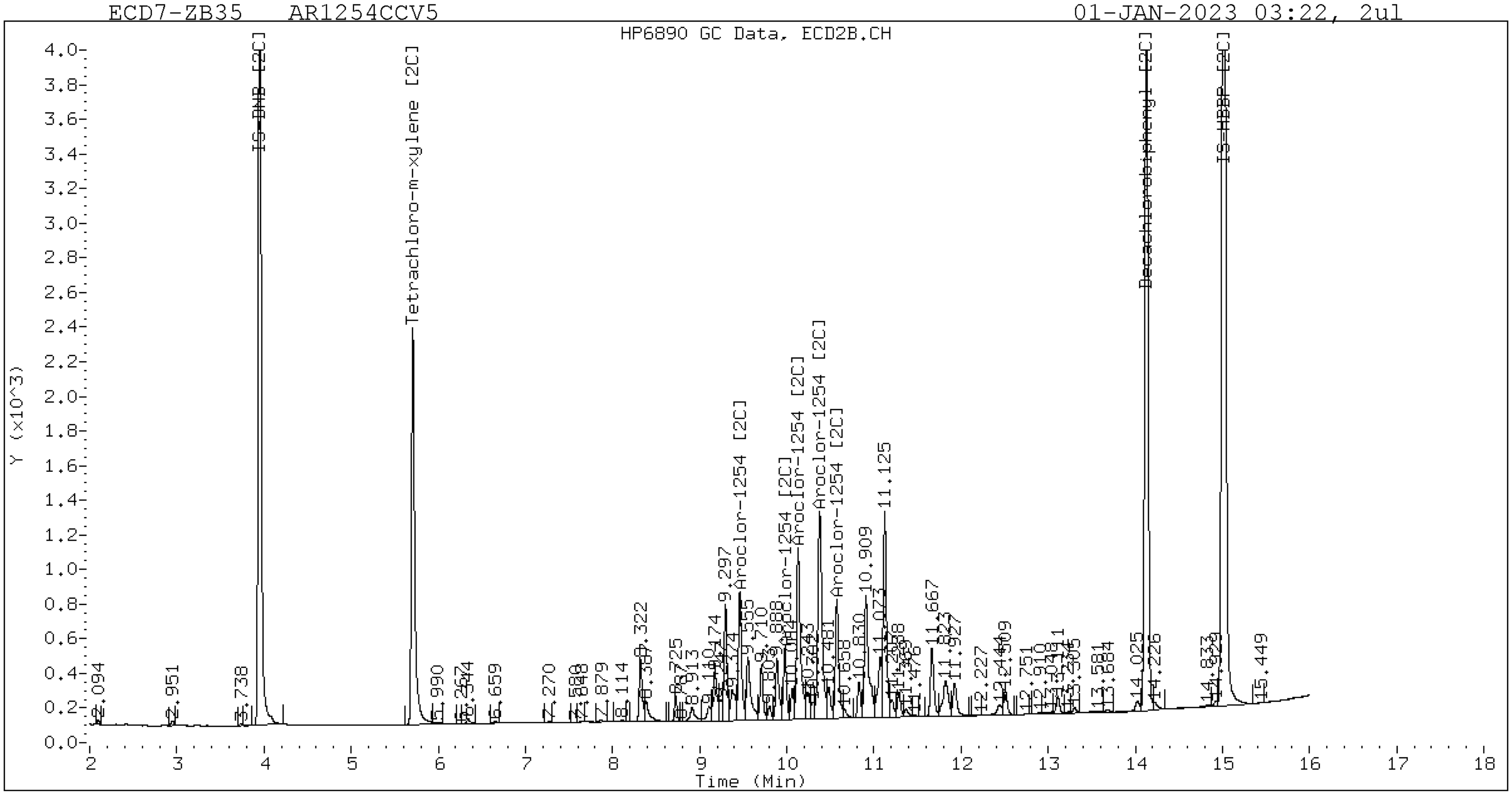
PCB Dual Column Chromatograms

ECD7-ZB5 AR1254CCV5 01-JAN-2023 03:22, 2ul



ZB-5 Manual Integration: NO

ECD7-ZB35 AR1254CCV5 01-JAN-2023 03:22, 2ul



ZB-35 Manual Integration: NO

CONTINUING CALIBRATION CHECK

EPA 8082A

Laboratory:	Analytical Resources, LLC	SDG:	22L0307
Client:	Anchor QEA, LLC	Project:	AOC4 UR Phase 3
Instrument ID:	ECD7	Calibration:	FL00010
Lab File ID:	12312251ECD7.D	Calibration Date:	12/03/2022
Sequence:	SLA0071	Injection Date:	01/01/23
Lab Sample ID:	SLA0071-CCV6	Injection Time:	03:43
Sequence Name:	AR1660CCV6		

		CONC. (ug/L)		RESPONSE FACTOR (RRF)			% DRIFT/DIFF	
COMPOUND	TYPE	STD	CCV	ICAL	CCV	MIN	CCV	LIMIT
Aroclor 1016	A	250.00	292	0.0441939	0.0502327		16.9	+/-20
Aroclor-1016 (1)	A	250.00	281	0.0266860	0.0300203		12.4	
Aroclor-1016 (2)	A	250.00	269	0.0861572	0.0928531		7.6	
Aroclor-1016 (3)	A	250.00	290	0.0390425	0.0453244		16.0	
Aroclor-1016 (4)	A	250.00	329	0.0248899	0.0327329		31.6	
Aroclor 1016 [2C]	A	250.00	237	0.0467310	0.0418416		-5.1	+/-20
Aroclor-1016 (1) [2C]	A	250.00	247	0.0409030	0.0403854		-1.2	
Aroclor-1016 (2) [2C]	A	250.00	196	0.0882154	0.0692878		-21.6	
Aroclor-1016 (3) [2C]	A	250.00	242	0.0378846	0.0366702		-3.2	
Aroclor-1016 (4) [2C]	A	250.00	264	0.0199212	0.0210232		5.6	
Aroclor 1260	A	250.00	279	0.0390342	0.0433026		11.4	+/-20
Aroclor-1260 (1)	A	250.00	278	0.0291201	0.0324505		11.2	
Aroclor-1260 (2)	A	250.00	279	0.0301181	0.0335699		11.6	
Aroclor-1260 (3)	A	250.00	278	0.0791351	0.0881563		11.2	
Aroclor-1260 (4)	A	250.00	267	0.0403003	0.0431074		6.8	
Aroclor-1260 (5)	A	250.00	291	0.0164974	0.0192290		16.4	
Aroclor 1260 [2C]	A	250.00	206	0.0617619	0.0469445		-17.5	+/-20
Aroclor-1260 (1) [2C]	A	250.00	236	0.0422283	0.0399530		-5.6	
Aroclor-1260 (2) [2C]	A	250.00	163	0.1059643	0.0692256		-34.8	
Aroclor-1260 (3) [2C]	A	250.00	247	0.0282173	0.0278999		-1.2	
Aroclor-1260 (4) [2C]	A	250.00	179	0.0706376	0.0506997		-28.4	
Decachlorobiphenyl	A	40.000	45.3	0.7333327	0.8305950		13.3	+/-20
Tetrachlorometaxylene	A	40.000	38.8	1.1336710	1.1006490		-3.0	+/-20
Decachlorobiphenyl [2C]	A	40.000	40.6	1.1358180	1.1542410		1.5	+/-20
Tetrachlorometaxylene [2C]	A	40.000	40.3	1.0966080	1.1048360		0.8	+/-20

* Values outside of QC limits

* Values outside of QC limits

```
                                   Analytical Resources Inc.
                              Dual Column 608/8082 PCB Quantitation Report

Data file 1: /221231.b/12312251ECD7.D                        ARI ID: AR1660CCV6
Data file 2: /221231.b/221231.b/12312251ECD7.D               Client ID:
Method: \\target\share\chem4\ecd7.i\221231.b\PCB.m           Injection Date: 01-JAN-2023 03:43
Compound Sublist: AR1660.sub                                    Report Date: 01/05/2023 17:04
Instrument, Inj. Vol.: ecd7.i, 2ul                           Matrix: NONE
Quant Method: Internal Std                                   Dilution Factor:  1.0



                                    SURROGATES

       ZB5 Col         |       ZB35 Col          |   ZB5    ZB35
  RT    Shift Response | RT    Shift  Response   |  on col  on col    RPD   Compound/Flag
============================================================================================

  5.832  0.001   145874 | 5.710  -0.000    98447|   38.8    40.3      3.7    Tetrachloro-m-xylene
 13.901  0.001   250392 |14.129  -0.001   183514|   45.3    40.6     10.8    Decachlorobiphenyl


*  Indicates RPD > 40%




                               INTERNAL STANDARD SUMMARY

                                           Column 1
                                    Standard    Sample
                 Standard Cpnd       Area*       Area      %D
               --------------------------------------------------
                 Bromo-Nitrobenzene    447645      265069  -40.8
                 Hexabromobiphenyl     798898      602922  -24.5

                                           Column 2
                                    Standard    Sample
                 Standard Cpnd       Area*       Area      %D
               --------------------------------------------------
                 Bromo-Nitrobenzene    249094     178211   -28.5
                 Hexabromobiphenyl     362541     317982   -12.3


                * Standard Areas taken from Initial Cal Level 3
                  Initial Calibration Date: 03-DEC-2022
               <- Indicates standard response outside Limits (-50 to +100%)
```

```
                            ZB5 Col                                ZB35 Col
 Aroclor    Peak#    RT    Shift    Area    Amount    Peak#   RT     Shift    Area   Amount
 =========================================================================================
 Aroclor-1016 1   7.290  -0.005     24867   281.2      1    7.273  -0.001    22491   246.8
 Aroclor-1016 2   7.677  -0.007     76914   269.4      2    7.874  -0.001    38587   196.4
 Aroclor-1016 3   7.812  -0.006     37544   290.2      3    8.071  -0.001    20422   242.0
 Aroclor-1016 4   8.423  -0.006     27114   328.8      4    8.242  -0.002    11708   263.8
       Total Col1Ave (4 peaks):   292.4       Total Col2Ave (4 peaks):   237.3   RPD = 21
       Corrected Ave (3 peaks):   280.3       Corrected Ave (3 peaks):   228.4   RPD = 20

                    CalAmt %D:    17.0                    CalAmt %D:    -5.1

 Aroclor-1260 1  11.055  -0.007     61141   278.6      1   11.663  -0.000    39701   236.5
 Aroclor-1260 2  11.372  -0.005     63250   278.7      2   11.927   0.001    68789   163.3
 Aroclor-1260 3  11.745  -0.007    166098   278.5      3   12.444  -0.001    27724   247.2
 Aroclor-1260 4  12.149  -0.010     81220   267.4      4   12.509  -0.000    50380   179.4
 Aroclor-1260 5  12.253  -0.008     36230   291.4      NS    ---                      ----
       Total Col1Ave (5 peaks):   278.9       Total Col2Ave (4 peaks):   206.6   RPD = 30
       Corrected Ave (4 peaks):   275.8       Corrected Ave (3 peaks):   193.1   RPD = 35

                    CalAmt %D:    11.6                    CalAmt %D:   -17.4




 Total PCB Area Col1 (5.932 - 13.801) =    1751270     Col1 Total PCB = 0.7 ppm*

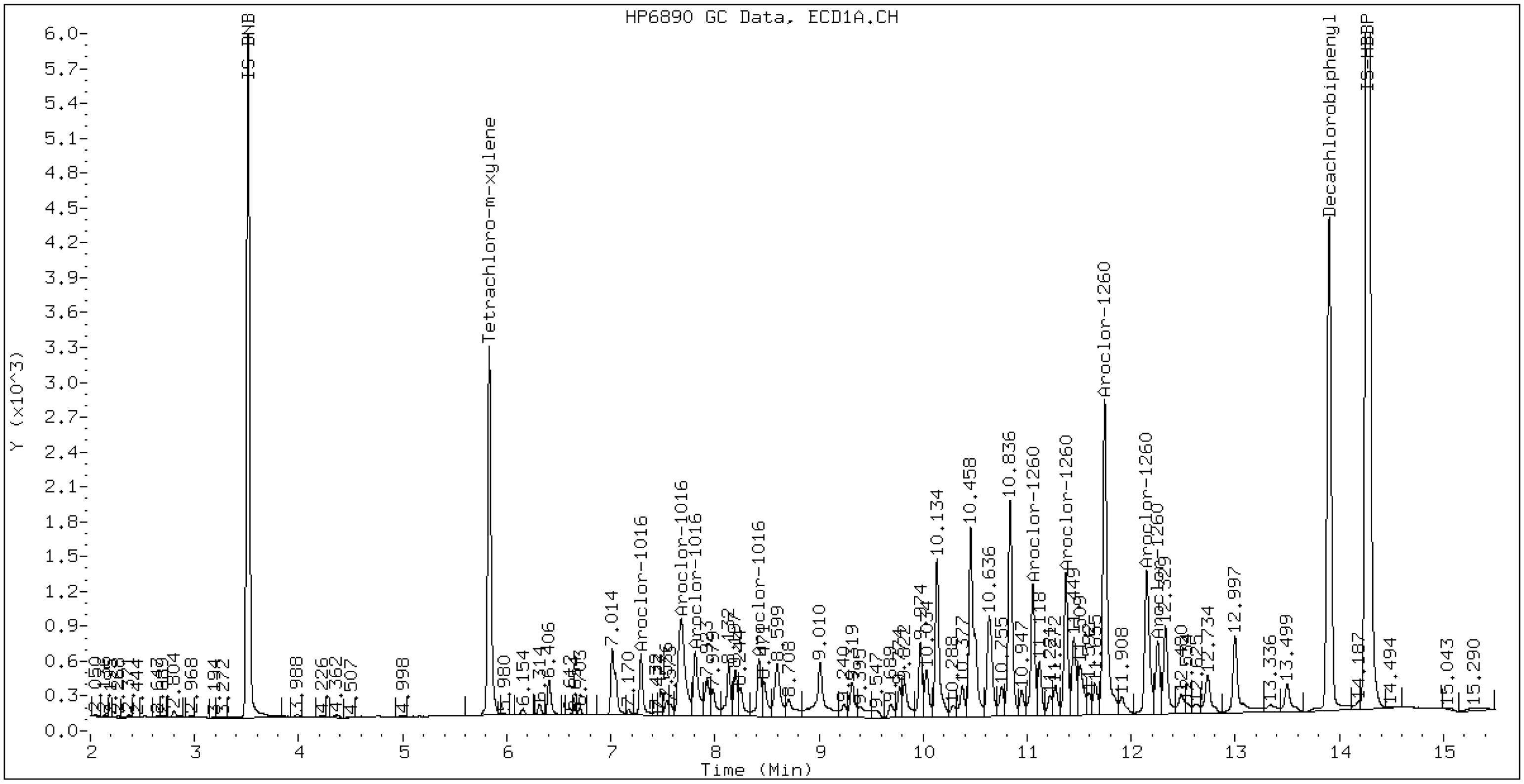
 Total PCB Area Col2 (5.810 - 14.030) =     849448     Col2 Total PCB = 0.5 ppm*


   *  Quantitated against AR1660 0.25ppm in Ical

                                    PCB-Form 10 Mod.
```

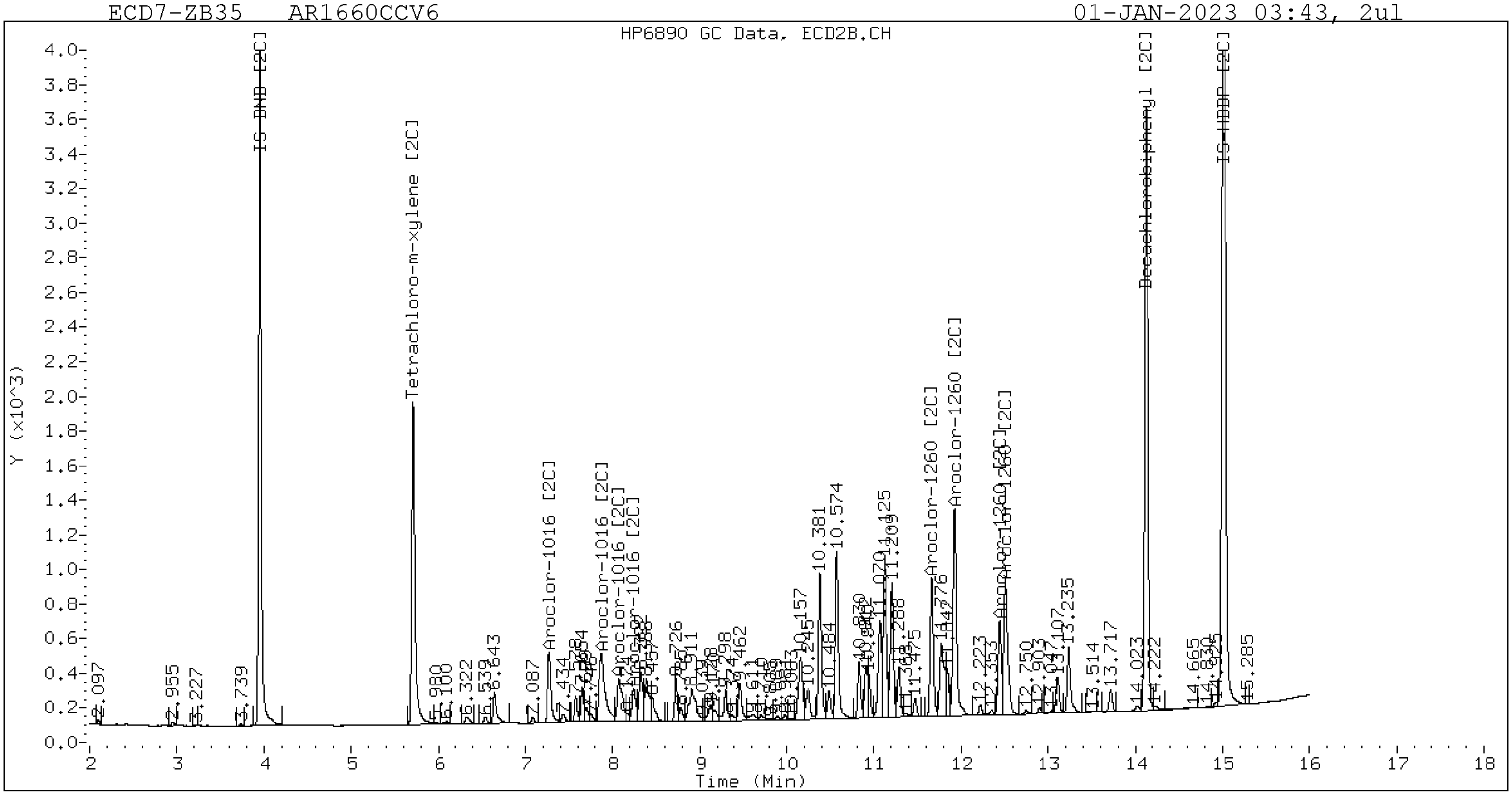
PCB Dual Column Chromatograms

ECD7-ZB5 AR1660CCV6 01-JAN-2023 03:43, 2ul



ZB-5 Manual Integration: NO

ECD7-ZB35 AR1660CCV6 01-JAN-2023 03:43, 2ul



ZB-35 Manual Integration: NO

CONTINUING CALIBRATION CHECK

EPA 8082A

Laboratory:	Analytical Resources, LLC	SDG:	22L0307
Client:	Anchor QEA, LLC	Project:	AOC4 UR Phase 3
Instrument ID:	ECD7	Calibration:	FL00010
Lab File ID:	12312258ECD7.D	Calibration Date:	12/03/2022
Sequence:	SLA0071	Injection Date:	01/01/23
Lab Sample ID:	SLA0071-CCV7	Injection Time:	06:11
Sequence Name:	AR1248CCV7		

		CONC. (ug/L)		RESPONSE FACTOR (RRF)			% DRIFT/DIFF	
COMPOUND	TYPE	STD	CCV	ICAL	CCV	MIN	CCV	LIMIT
Aroclor 1248	A	250.00	261	0.0490062	0.0526088		4.4	+/-20
Aroclor-1248 (1)	A	250.00	289		0.0398016			
Aroclor-1248 (2)	A	250.00	300		0.0527292			
Aroclor-1248 (3)	A	250.00	295		0.0932007			
Aroclor-1248 (4)	A	250.00	160		0.0247038			
Aroclor 1248 [2C]	A	250.00	253	0.0394876	0.0403901		1.0	+/-20
Aroclor-1248 (1) [2C]	A	250.00	263		0.0344452			
Aroclor-1248 (2) [2C]	A	250.00	192		0.0263896			
Aroclor-1248 (3) [2C]	A	250.00	281		0.0469752			
Aroclor-1248 (4) [2C]	A	250.00	274		0.0537503			
Decachlorobiphenyl	A	40.000	42.1	0.7333327	0.7721680		5.3	+/-20
Tetrachlorometaxylene	A	40.000	35.3	1.1336710	0.9997205		-11.8	+/-20
Decachlorobiphenyl [2C]	A	40.000	40.0	1.1358180	1.1363640		0.0	+/-20
Tetrachlorometaxylene [2C]	A	40.000	35.4	1.0966080	0.9716632		-11.5	+/-20

* Values outside of QC limits

* Values outside of QC limits

```
                               Analytical Resources Inc.
                          Dual Column 608/8082 PCB Quantitation Report

 Data file 1: /221231.b/12312258ECD7.D                    ARI ID: AR1248CCV7
 Data file 2: /221231.b/221231.b/12312258ECD7.D           Client ID:
 Method: \\target\share\chem4\ecd7.i\221231.b\PCB.m       Injection Date: 01-JAN-2023 06:11
 Compound Sublist: AR1248.sub                                Report Date: 01/05/2023 17:04
 Instrument, Inj. Vol.: ecd7.i, 2ul                       Matrix: NONE
 Quant Method: Internal Std                               Dilution Factor:  1.0



                                  SURROGATES

        ZB5 Col         |       ZB35 Col         |   ZB5    ZB35
   RT    Shift Response | RT    Shift  Response  |  on col  on col    RPD   Compound/Flag
 ========================================================================================

  5.834  0.003   182418 | 5.712   0.002   120563|   35.3    35.4      0.5    Tetrachloro-m-xylene
 13.901  0.000   318905 |14.129  -0.001   244974|   42.1    40.0      5.1    Decachlorobiphenyl


*  Indicates RPD > 40%




                             INTERNAL STANDARD SUMMARY

                                         Column 1
                                  Standard    Sample
                Standard Cpnd       Area*       Area      %D
            --------------------------------------------------
              Bromo-Nitrobenzene    447645      364938  -18.5
              Hexabromobiphenyl     798898      825999    3.4

                                         Column 2
                                  Standard    Sample
                Standard Cpnd       Area*       Area      %D
            --------------------------------------------------
              Bromo-Nitrobenzene    249094     248158    -0.4
              Hexabromobiphenyl     362541     431154    18.9


             * Standard Areas taken from Initial Cal Level 3
               Initial Calibration Date: 03-DEC-2022
            <- Indicates standard response outside Limits (-50 to +100%)
```

```
                           ZB5 Col                                 ZB35 Col
Aroclor    Peak#    RT    Shift    Area    Amount    Peak#   RT     Shift    Area   Amount
=========================================================================================
Aroclor-1248 1   8.425  -0.003     45391   289.3      1    8.323   0.000    26712   263.5
Aroclor-1248 2   8.599  -0.005     60134   300.2      2    8.729   0.000    20465   191.9
Aroclor-1248 3   9.019  -0.003    106289   294.9      3    9.174   0.000    36429   280.9
Aroclor-1248 4   9.312   0.001     28173   159.6      4    9.595   0.000    41683   273.8
      Total Col1Ave (4 peaks):   261.0       Total Col2Ave (4 peaks):   252.5   RPD = 3
      Corrected Ave (3 peaks):   247.9       Corrected Ave (3 peaks):   243.1   RPD = 2

                   CalAmt %D:     4.4                       CalAmt %D:     1.0
```

```
Total PCB Area Col1 (5.932 - 13.801) =    1023807     Col1 Total PCB = 0.3 ppm*

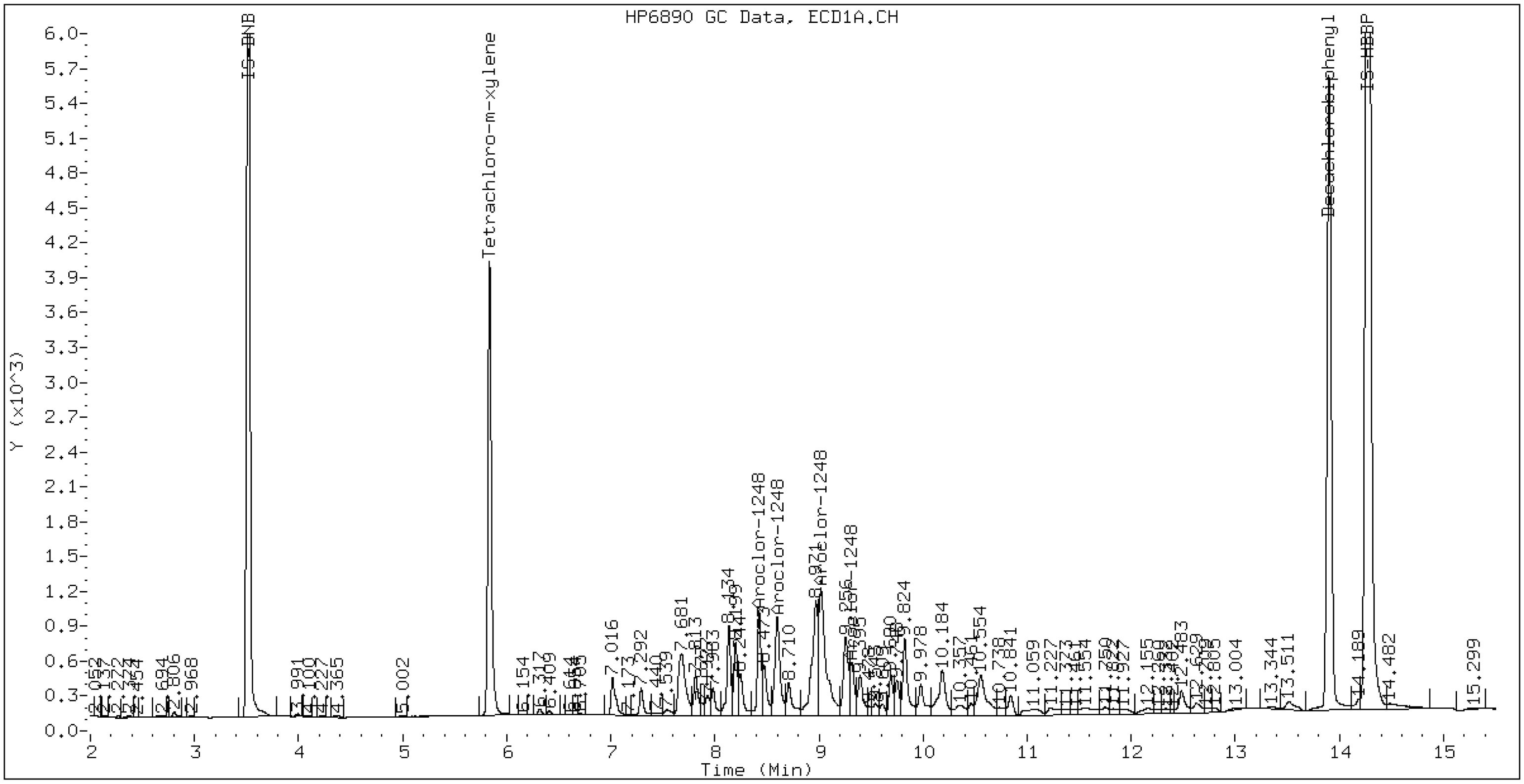
Total PCB Area Col2 (5.810 - 14.030) =     512863     Col2 Total PCB = 0.2 ppm*
```

* Quantitated against AR1660 0.25ppm in Ical

PCB-Form 10 Mod.

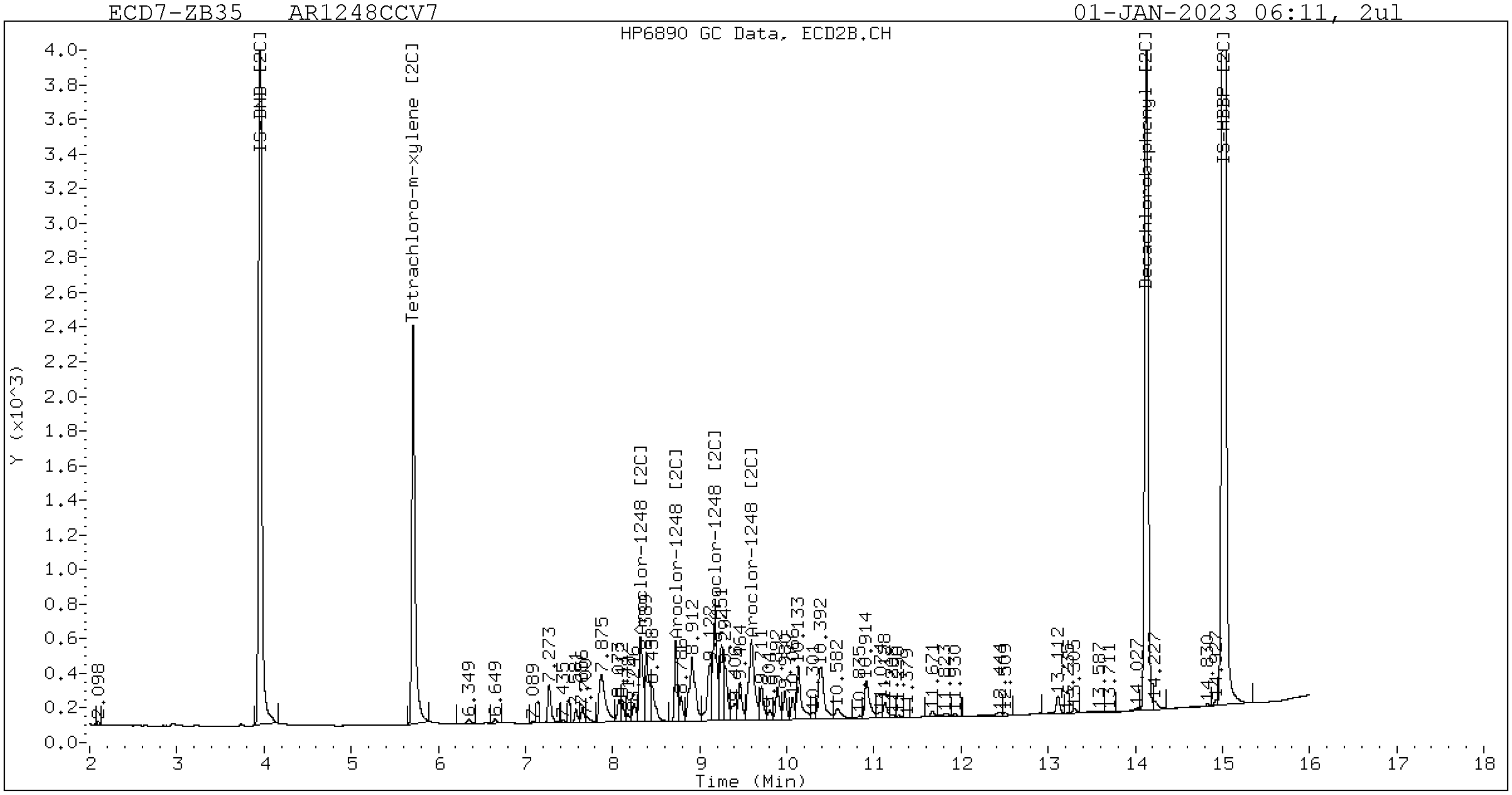
PCB Dual Column Chromatograms

ECD7-ZB5 AR1248CCV7 01-JAN-2023 06:11, 2ul



ZB-5 Manual Integration: NO

ECD7-ZB35 AR1248CCV7 01-JAN-2023 06:11, 2ul



ZB-35 Manual Integration: NO

CONTINUING CALIBRATION CHECK

EPA 8082A

Laboratory:	Analytical Resources, LLC	SDG:	22L0307
Client:	Anchor QEA, LLC	Project:	AOC4 UR Phase 3
Instrument ID:	ECD7	Calibration:	FL00010
Lab File ID:	12312259ECD7.D	Calibration Date:	12/03/2022
Sequence:	SLA0071	Injection Date:	01/01/23
Lab Sample ID:	SLA0071-CCV8	Injection Time:	06:32
Sequence Name:	AR1660CCV8		

COMPOUND	TYPE	CONC. (ug/L)		RESPONSE FACTOR (RRF)			% DRIFT/DIFF	
		STD	CCV	ICAL	CCV	MIN	CCV	LIMIT
Aroclor 1016	A	250.00	266	0.0441939	0.0465682		6.4	+/-20
Aroclor-1016 (1)	A	250.00	257	0.0266860	0.0274081		2.8	
Aroclor-1016 (2)	A	250.00	258	0.0861572	0.0889990		3.2	
Aroclor-1016 (3)	A	250.00	269	0.0390425	0.0419835		7.6	
Aroclor-1016 (4)	A	250.00	280	0.0248899	0.0278822		12.0	
Aroclor 1016 [2C]	A	250.00	241	0.0467310	0.0426241		-3.5	+/-20
Aroclor-1016 (1) [2C]	A	250.00	251	0.0409030	0.0410908		0.4	
Aroclor-1016 (2) [2C]	A	250.00	200	0.0882154	0.0707050		-20.0	
Aroclor-1016 (3) [2C]	A	250.00	246	0.0378846	0.0373204		-1.6	
Aroclor-1016 (4) [2C]	A	250.00	268	0.0199212	0.0213800		7.2	
Aroclor 1260	A	250.00	267	0.0390342	0.0413795		6.6	+/-20
Aroclor-1260 (1)	A	250.00	269	0.0291201	0.0313301		7.6	
Aroclor-1260 (2)	A	250.00	267	0.0301181	0.0321443		6.8	
Aroclor-1260 (3)	A	250.00	265	0.0791351	0.0839448		6.0	
Aroclor-1260 (4)	A	250.00	256	0.0403003	0.0412519		2.4	
Aroclor-1260 (5)	A	250.00	276	0.0164974	0.0182264		10.4	
Aroclor 1260 [2C]	A	250.00	204	0.0617619	0.0462464		-18.4	+/-20
Aroclor-1260 (1) [2C]	A	250.00	233	0.0422283	0.0393955		-6.8	
Aroclor-1260 (2) [2C]	A	250.00	160	0.1059643	0.0679356		-36.0	
Aroclor-1260 (3) [2C]	A	250.00	246	0.0282173	0.0277124		-1.6	
Aroclor-1260 (4) [2C]	A	250.00	177	0.0706376	0.0499423		-29.2	
Decachlorobiphenyl	A	40.000	44.7	0.7333327	0.8192977		11.8	+/-20
Tetrachlorometaxylene	A	40.000	38.3	1.1336710	1.0868280		-4.3	+/-20
Decachlorobiphenyl [2C]	A	40.000	40.7	1.1358180	1.1547600		1.8	+/-20
Tetrachlorometaxylene [2C]	A	40.000	39.4	1.0966080	1.0815010		-1.5	+/-20

* Values outside of QC limits

```
                              Analytical Resources Inc.
                         Dual Column 608/8082 PCB Quantitation Report

 Data file 1: /221231.b/12312259ECD7.D                        ARI ID: AR1660CCV8
 Data file 2: /221231.b/221231.b/12312259ECD7.D               Client ID:
 Method: \\target\share\chem4\ecd7.i\221231.b\PCB.m           Injection Date: 01-JAN-2023 06:32
 Compound Sublist: AR1660.sub                                    Report Date: 01/05/2023 17:04
 Instrument, Inj. Vol.: ecd7.i, 2ul                           Matrix: NONE
 Quant Method: Internal Std                                   Dilution Factor:  1.0



                                  SURROGATES

        ZB5 Col          |        ZB35 Col          |   ZB5    ZB35
   RT    Shift Response | RT    Shift  Response   |  on col  on col    RPD   Compound/Flag
 ===========================================================================================

  5.833  0.002   144897 | 5.710   0.000    97341|   38.3    39.4      2.8    Tetrachloro-m-xylene
 13.902  0.002   259710 |14.130   0.000   190406|   44.7    40.7      9.4    Decachlorobiphenyl


*  Indicates RPD > 40%



                             INTERNAL STANDARD SUMMARY

                                         Column 1
                                  Standard    Sample
                  Standard Cpnd      Area*       Area      %D
              -------------------------------------------------
                Bromo-Nitrobenzene    447645      266642  -40.4
                Hexabromobiphenyl     798898      633982  -20.6

                                         Column 2
                                  Standard    Sample
                  Standard Cpnd      Area*       Area      %D
              -------------------------------------------------
                Bromo-Nitrobenzene    249094     180011   -27.7
                Hexabromobiphenyl     362541     329776    -9.0


               * Standard Areas taken from Initial Cal Level 3
                 Initial Calibration Date: 03-DEC-2022
              <- Indicates standard response outside Limits (-50 to +100%)
```

```
                             ZB5 Col                           ZB35 Col
 Aroclor   Peak#    RT    Shift    Area    Amount    Peak#   RT     Shift    Area   Amount
 ========================================================================================
 Aroclor-1016 1   7.291  -0.004     22838   256.8      1    7.273   0.000    23115   251.1
 Aroclor-1016 2   7.678  -0.007     74159   258.2      2    7.874   0.000    39774   200.4
 Aroclor-1016 3   7.813  -0.004     34983   268.8      3    8.072   0.000    20994   246.3
 Aroclor-1016 4   8.424  -0.005     23233   280.1      4    8.244   0.000    12027   268.3
       Total Col1Ave (4 peaks):   266.0       Total Col2Ave (4 peaks):   241.5   RPD = 10
       Corrected Ave (3 peaks):   261.3       Corrected Ave (3 peaks):   232.6   RPD = 12

                     CalAmt %D:     6.4                     CalAmt %D:    -3.4

 Aroclor-1260 1  11.057  -0.006     62071   269.0      1   11.663   0.000    40599   233.2
 Aroclor-1260 2  11.373  -0.004     63684   266.8      2   11.926   0.000    70011   160.3
 Aroclor-1260 3  11.746  -0.005    166311   265.2      3   12.445   0.000    28559   245.5
 Aroclor-1260 4  12.150  -0.008     81728   255.9      4   12.509   0.000    51468   176.8
 Aroclor-1260 5  12.256  -0.005     36110   276.2      NS    ---                     ----
       Total Col1Ave (5 peaks):   266.6       Total Col2Ave (4 peaks):   203.9   RPD = 27
       Corrected Ave (4 peaks):   264.2       Corrected Ave (3 peaks):   190.1   RPD = 33

                     CalAmt %D:     6.6                     CalAmt %D:   -18.4




 Total PCB Area Col1 (5.932 - 13.801) =    1682972     Col1 Total PCB = 0.7 ppm*

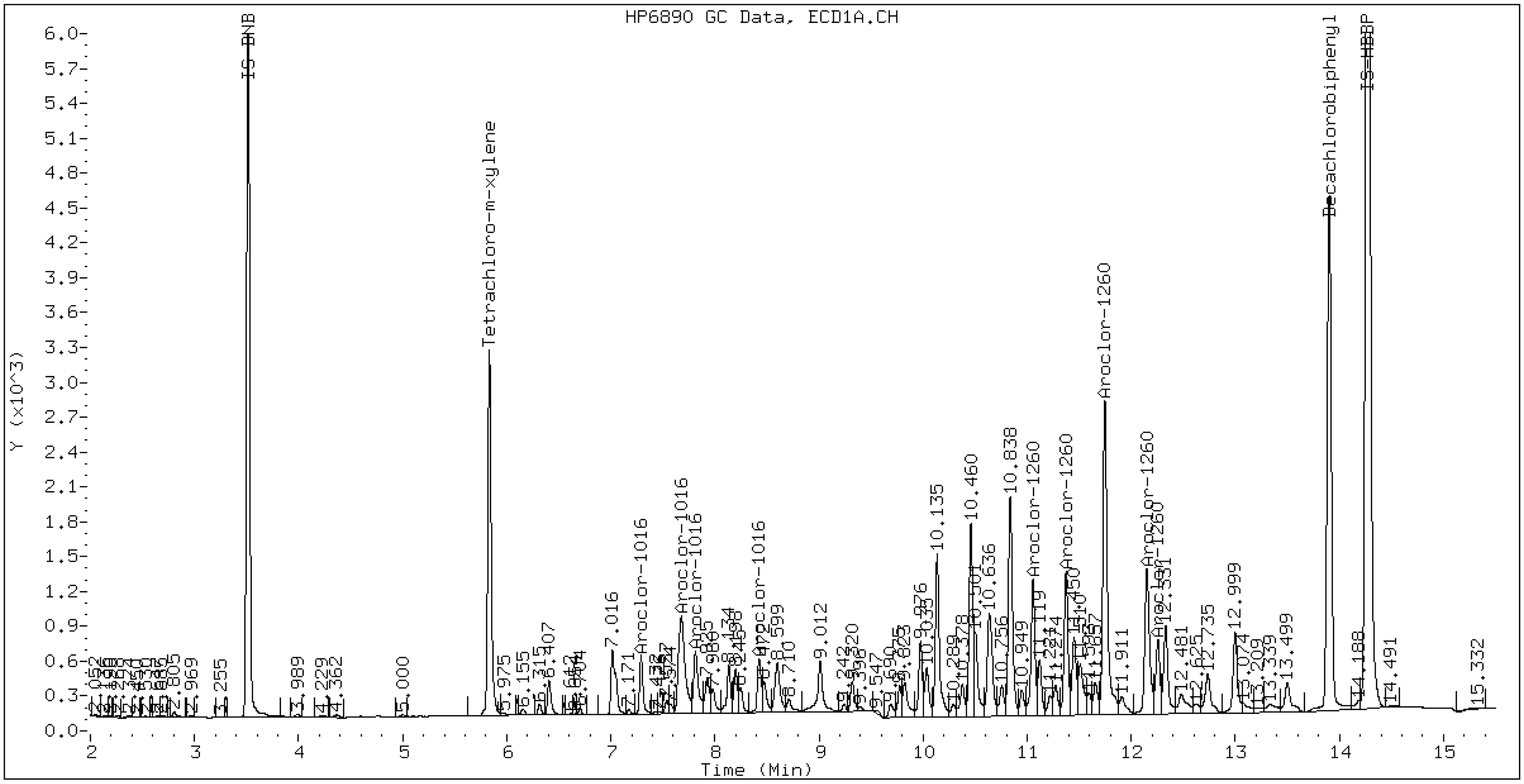
 Total PCB Area Col2 (5.810 - 14.030) =     872304     Col2 Total PCB = 0.5 ppm*


   *  Quantitated against AR1660 0.25ppm in Ical


                                     PCB-Form 10 Mod.
```

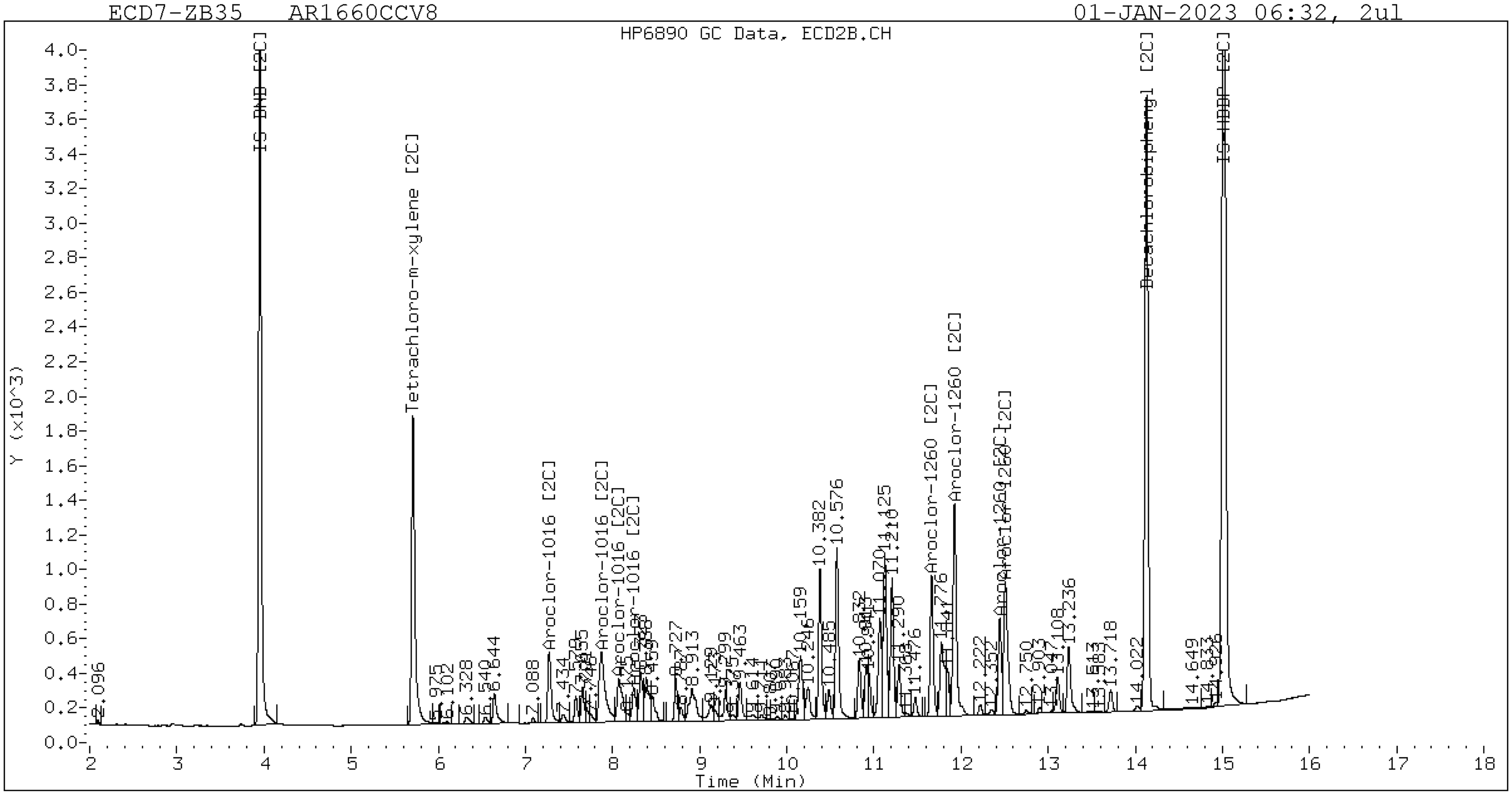
PCB Dual Column Chromatograms

ECD7-ZB5 AR1660CCV8 01-JAN-2023 06:32, 2ul



ZB-5 Manual Integration: NO

ECD7-ZB35 AR1660CCV8 01-JAN-2023 06:32, 2ul



ZB-35 Manual Integration: NO

CONTINUING CALIBRATION CHECK

EPA 8082A

Laboratory:	Analytical Resources, LLC	SDG:	22L0307
Client:	Anchor QEA, LLC	Project:	AOC4 UR Phase 3
Instrument ID:	ECD7	Calibration:	FL00010
Lab File ID:	01032311ECD7.D	Calibration Date:	12/03/2022
Sequence:	SLA0079	Injection Date:	01/03/23
Lab Sample ID:	SLA0079-CCV1	Injection Time:	11:48
Sequence Name:	AR1248CCV1		

COMPOUND	TYPE	CONC. (ug/L)		RESPONSE FACTOR (RRF)			% DRIFT/DIFF	
		STD	CCV	ICAL	CCV	MIN	CCV	LIMIT
Aroclor 1248	A	250.00	266	0.0490062	0.0535437		6.4	+/-20
Aroclor-1248 (1)	A	250.00	295		0.0405439			
Aroclor-1248 (2)	A	250.00	308		0.0540628			
Aroclor-1248 (3)	A	250.00	300		0.0946702			
Aroclor-1248 (4)	A	250.00	161		0.0248977			
Aroclor 1248 [2C]	A	250.00	255	0.0394876	0.0407588		1.9	+/-20
Aroclor-1248 (1) [2C]	A	250.00	267		0.0348697			
Aroclor-1248 (2) [2C]	A	250.00	190		0.0260557			
Aroclor-1248 (3) [2C]	A	250.00	284		0.0474172			
Aroclor-1248 (4) [2C]	A	250.00	278		0.0546926			
Decachlorobiphenyl	A	40.000	42.2	0.7333327	0.7734552		5.5	+/-20
Tetrachlorometaxylene	A	40.000	37.5	1.1336710	1.0618250		-6.3	+/-20
Decachlorobiphenyl [2C]	A	40.000	40.9	1.1358180	1.1626860		2.3	+/-20
Tetrachlorometaxylene [2C]	A	40.000	37.8	1.0966080	1.0356690		-5.5	+/-20

* Values outside of QC limits

* Values outside of QC limits

```
                              Analytical Resources Inc.
                         Dual Column 608/8082 PCB Quantitation Report

Data file 1: /230103.b/01032311ECD7.D                        ARI ID: AR1248CCV1
Data file 2: /230103.b/230103.b/01032311ECD7.D               Client ID:
Method: \\target\share\chem4\ecd7.i\230103.b\PCB.m           Injection Date: 03-JAN-2023 11:48
Compound Sublist: AR1248.sub                                    Report Date: 01/06/2023 17:00
Instrument, Inj. Vol.: ecd7.i, 2ul                           Matrix: NONE
Quant Method: Internal Std                                   Dilution Factor:  1.0



                                   SURROGATES

       ZB5 Col         |       ZB35 Col         |   ZB5    ZB35
  RT    Shift Response | RT    Shift  Response  |  on col  on col    RPD   Compound/Flag
============================================================================================

  5.831 -0.001   195353 | 5.708  -0.000   131602|   37.5    37.8      0.8    Tetrachloro-m-xylene
 13.902 -0.001   358080 |14.129  -0.000   269034|   42.2    40.9      3.0    Decachlorobiphenyl


*  Indicates RPD > 40%



                              INTERNAL STANDARD SUMMARY

                                            Column 1
                                     Standard    Sample
                  Standard Cpnd       Area*       Area      %D
                --------------------------------------------------
                  Bromo-Nitrobenzene    447645      367957  -17.8
                  Hexabromobiphenyl     798898      925923   15.9

                                            Column 2
                                     Standard    Sample
                  Standard Cpnd       Area*       Area      %D
                --------------------------------------------------
                  Bromo-Nitrobenzene    249094     254139     2.0
                  Hexabromobiphenyl     362541     462780    27.6


                 * Standard Areas taken from Initial Cal Level 3
                   Initial Calibration Date: 03-DEC-2022
                <- Indicates standard response outside Limits (-50 to +100%)
```

```
                            ZB5 Col                                 ZB35 Col
 Aroclor    Peak#    RT    Shift    Area    Amount    Peak#   RT     Shift    Area   Amount
 ==========================================================================================
 Aroclor-1248 1   8.423  -0.005     46620   294.7      1    8.321   0.000    27693   266.7
 Aroclor-1248 2   8.597  -0.007     62165   307.8      2    8.725   0.000    20693   189.5
 Aroclor-1248 3   9.016  -0.006    108858   299.6      3    9.171   0.000    37658   283.5
 Aroclor-1248 4   9.311  -0.001     28629   160.8      4    9.592   0.000    43436   278.6
       Total Col1Ave (4 peaks):   265.7       Total Col2Ave (4 peaks):   254.6   RPD = 4
       Corrected Ave (3 peaks):   251.7       Corrected Ave (3 peaks):   244.9   RPD = 3

                     CalAmt %D:     6.3                     CalAmt %D:     1.8




 Total PCB Area Col1 (5.932 - 13.803) =    1077042     Col1 Total PCB = 0.3 ppm*

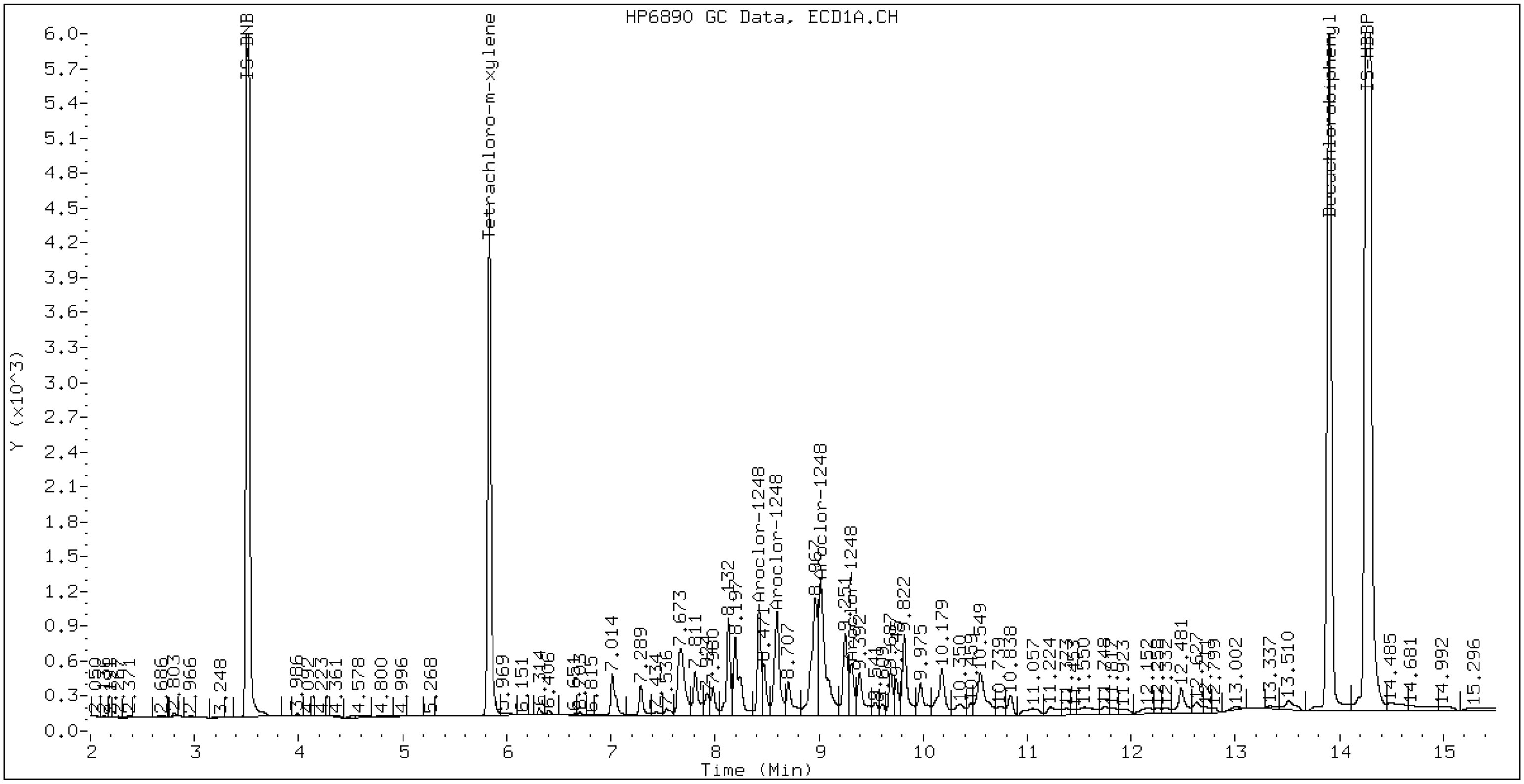
 Total PCB Area Col2 (5.808 - 14.029) =     524542     Col2 Total PCB = 0.2 ppm*


   *  Quantitated against AR1660 0.25ppm in Ical


                                        PCB-Form 10 Mod.
```

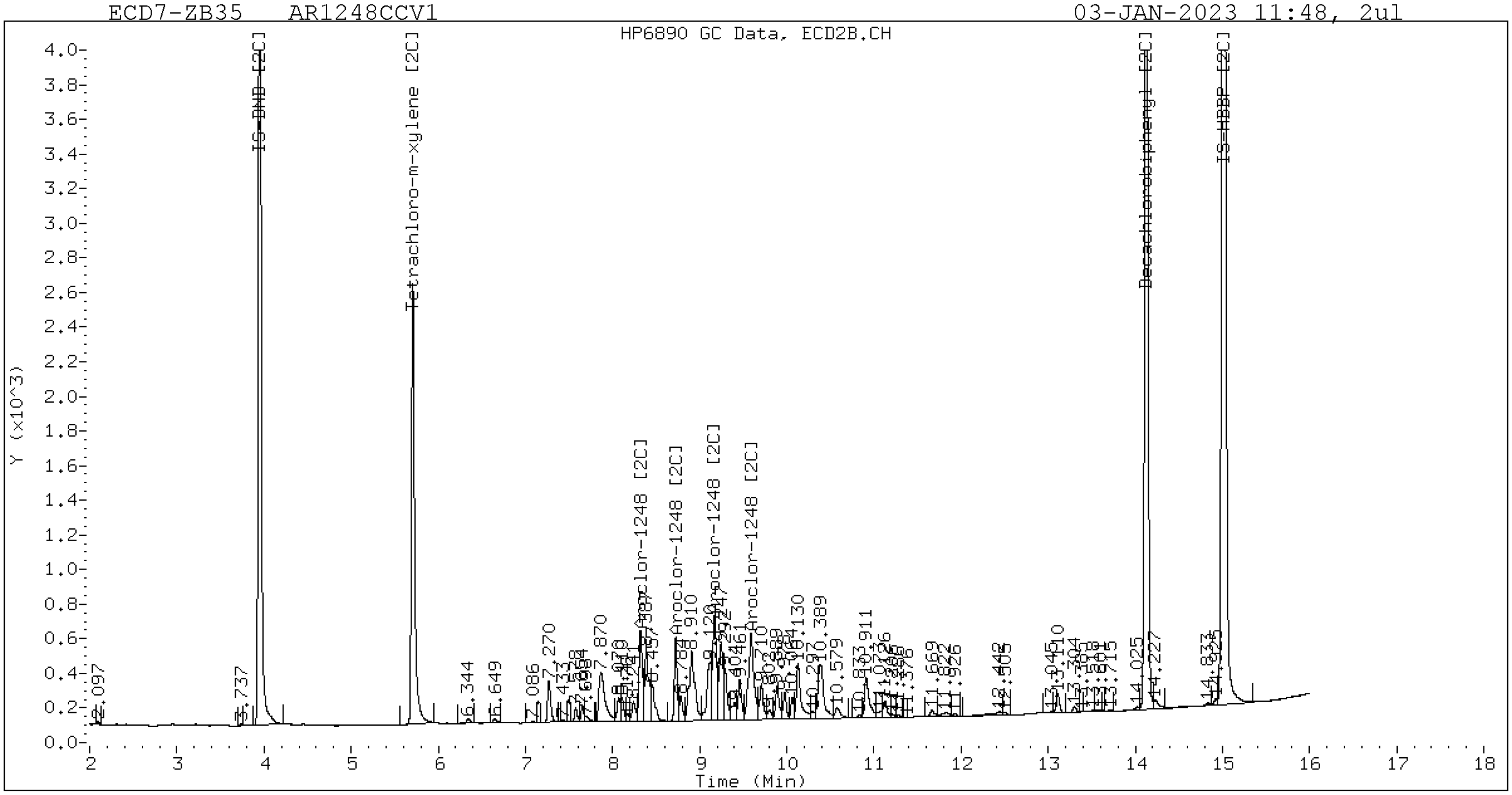
PCB Dual Column Chromatograms

ECD7-ZB5 AR1248CCV1 03-JAN-2023 11:48, 2ul



ZB-5 Manual Integration: NO

ECD7-ZB35 AR1248CCV1 03-JAN-2023 11:48, 2ul



ZB-35 Manual Integration: NO

CONTINUING CALIBRATION CHECK

EPA 8082A

Laboratory:	Analytical Resources, LLC	SDG:	22L0307
Client:	Anchor QEA, LLC	Project:	AOC4 UR Phase 3
Instrument ID:	ECD7	Calibration:	FL00010
Lab File ID:	01032312ECD7.D	Calibration Date:	12/03/2022
Sequence:	SLA0079	Injection Date:	01/03/23
Lab Sample ID:	SLA0079-CCV2	Injection Time:	12:09
Sequence Name:	AR1660CCV2		

		CONC. (ug/L)		RESPONSE FACTOR (RRF)			% DRIFT/DIFF	
COMPOUND	TYPE	STD	CCV	ICAL	CCV	MIN	CCV	LIMIT
Aroclor 1016	A	250.00	260	0.0441939	0.0459291		3.9	+/-20
Aroclor-1016 (1)	A	250.00	250	0.0266860	0.0266979		0.0	
Aroclor-1016 (2)	A	250.00	260	0.0861572	0.0894840		4.0	
Aroclor-1016 (3)	A	250.00	261	0.0390425	0.0408088		4.4	
Aroclor-1016 (4)	A	250.00	268	0.0248899	0.0267256		7.2	
Aroclor 1016 [2C]	A	250.00	245	0.0467310	0.0429025		-2.1	+/-20
Aroclor-1016 (1) [2C]	A	250.00	257	0.0409030	0.0420485		2.8	
Aroclor-1016 (2) [2C]	A	250.00	198	0.0882154	0.0697524		-20.8	
Aroclor-1016 (3) [2C]	A	250.00	250	0.0378846	0.0379486		0.0	
Aroclor-1016 (4) [2C]	A	250.00	274	0.0199212	0.0218605		9.6	
Aroclor 1260	A	250.00	255	0.0390342	0.0397104		2.2	+/-20
Aroclor-1260 (1)	A	250.00	253	0.0291201	0.0294820		1.2	
Aroclor-1260 (2)	A	250.00	254	0.0301181	0.0305425		1.6	
Aroclor-1260 (3)	A	250.00	255	0.0791351	0.0808164		2.0	
Aroclor-1260 (4)	A	250.00	248	0.0403003	0.0400739		-0.8	
Aroclor-1260 (5)	A	250.00	267	0.0164974	0.0176374		6.8	
Aroclor 1260 [2C]	A	250.00	200	0.0617619	0.0445703		-20.2	+/-20 *
Aroclor-1260 (1) [2C]	A	250.00	234	0.0422283	0.0395356		-6.4	
Aroclor-1260 (2) [2C]	A	250.00	150	0.1059643	0.0634886		-40.0	
Aroclor-1260 (3) [2C]	A	250.00	246	0.0282173	0.0277699		-1.6	
Aroclor-1260 (4) [2C]	A	250.00	168	0.0706376	0.0474870		-32.8	
Decachlorobiphenyl	A	40.000	45.0	0.7333327	0.8260163		12.5	+/-20
Tetrachlorometaxylene	A	40.000	39.8	1.1336710	1.1291340		-0.5	+/-20
Decachlorobiphenyl [2C]	A	40.000	41.0	1.1358180	1.1650300		2.5	+/-20
Tetrachlorometaxylene [2C]	A	40.000	40.7	1.0966080	1.1166800		1.8	+/-20

* Values outside of QC limits

* Values outside of QC limits

```
                              Analytical Resources Inc.
                         Dual Column 608/8082 PCB Quantitation Report

Data file 1: /230103.b/01032312ECD7.D                   ARI ID: AR1660CCV2
Data file 2: /230103.b/230103.b/01032312ECD7.D          Client ID:
Method: \\target\share\chem4\ecd7.i\230103.b\PCB.m      Injection Date: 03-JAN-2023 12:09
Compound Sublist: AR1660.sub                               Report Date: 01/06/2023 17:00
Instrument, Inj. Vol.: ecd7.i, 2ul                      Matrix: NONE
Quant Method: Internal Std                              Dilution Factor:  1.0



                                 SURROGATES

       ZB5 Col         |       ZB35 Col         |   ZB5    ZB35
  RT    Shift Response | RT    Shift  Response  |  on col  on col    RPD   Compound/Flag
========================================================================================

 5.830 -0.001   156721 | 5.708   0.000   105548|   39.8    40.7      2.2    Tetrachloro-m-xylene
13.901 -0.002   298856 |14.129  -0.000   207751|   45.1    41.0      9.4    Decachlorobiphenyl


*  Indicates RPD > 40%



                            INTERNAL STANDARD SUMMARY

                                        Column 1
                                 Standard    Sample
               Standard Cpnd       Area*       Area      %D
           --------------------------------------------------
             Bromo-Nitrobenzene    447645      277595  -38.0
             Hexabromobiphenyl     798898      723608   -9.4

                                        Column 2
                                 Standard    Sample
               Standard Cpnd       Area*       Area      %D
           --------------------------------------------------
             Bromo-Nitrobenzene    249094     189039   -24.1
             Hexabromobiphenyl     362541     356645    -1.6


            * Standard Areas taken from Initial Cal Level 3
              Initial Calibration Date: 03-DEC-2022
           <- Indicates standard response outside Limits (-50 to +100%)
```

```
//target/share/chem4/ecd7.i/230103.b/01032312ECD7.D      AR1660CCV2                      page 2
                          ZB5 Col                               ZB35 Col
 Aroclor    Peak#    RT    Shift    Area    Amount    Peak#   RT     Shift    Area   Amount
 =========================================================================================
 Aroclor-1016 1   7.288  -0.006     23160   250.1      1    7.271  -0.001    24840   257.0
 Aroclor-1016 2   7.675  -0.010     77626   259.7      2    7.870  -0.002    41206   197.7
 Aroclor-1016 3   7.810  -0.008     35401   261.3      3    8.070  -0.001    22418   250.4
 Aroclor-1016 4   8.422  -0.008     23184   268.4      4    8.241  -0.000    12914   274.3
       Total Col1Ave (4 peaks):   259.9       Total Col2Ave (4 peaks):   244.9   RPD = 6
       Corrected Ave (3 peaks):   257.0       Corrected Ave (3 peaks):   235.0   RPD = 9

                    CalAmt %D:     4.0                     CalAmt %D:    -2.1

 Aroclor-1260 1  11.055  -0.007     66667   253.1      1   11.663  -0.000    44063   234.1
 Aroclor-1260 2  11.371  -0.006     69065   253.5      2   11.925  -0.000    70759   149.8
 Aroclor-1260 3  11.743  -0.009    182748   255.3      3   12.443  -0.001    30950   246.0
 Aroclor-1260 4  12.148  -0.010     90618   248.6      4   12.508  -0.001    52925   168.1
 Aroclor-1260 5  12.254  -0.008     39883   267.3      NS    ---                     ----
       Total Col1Ave (5 peaks):   255.6       Total Col2Ave (4 peaks):   199.5   RPD = 25
       Corrected Ave (4 peaks):   252.6       Corrected Ave (3 peaks):   184.0   RPD = 31

                    CalAmt %D:     2.2                     CalAmt %D:   -20.2




 Total PCB Area Col1 (5.932 - 13.803) =    1761639     Col1 Total PCB = 0.7 ppm*

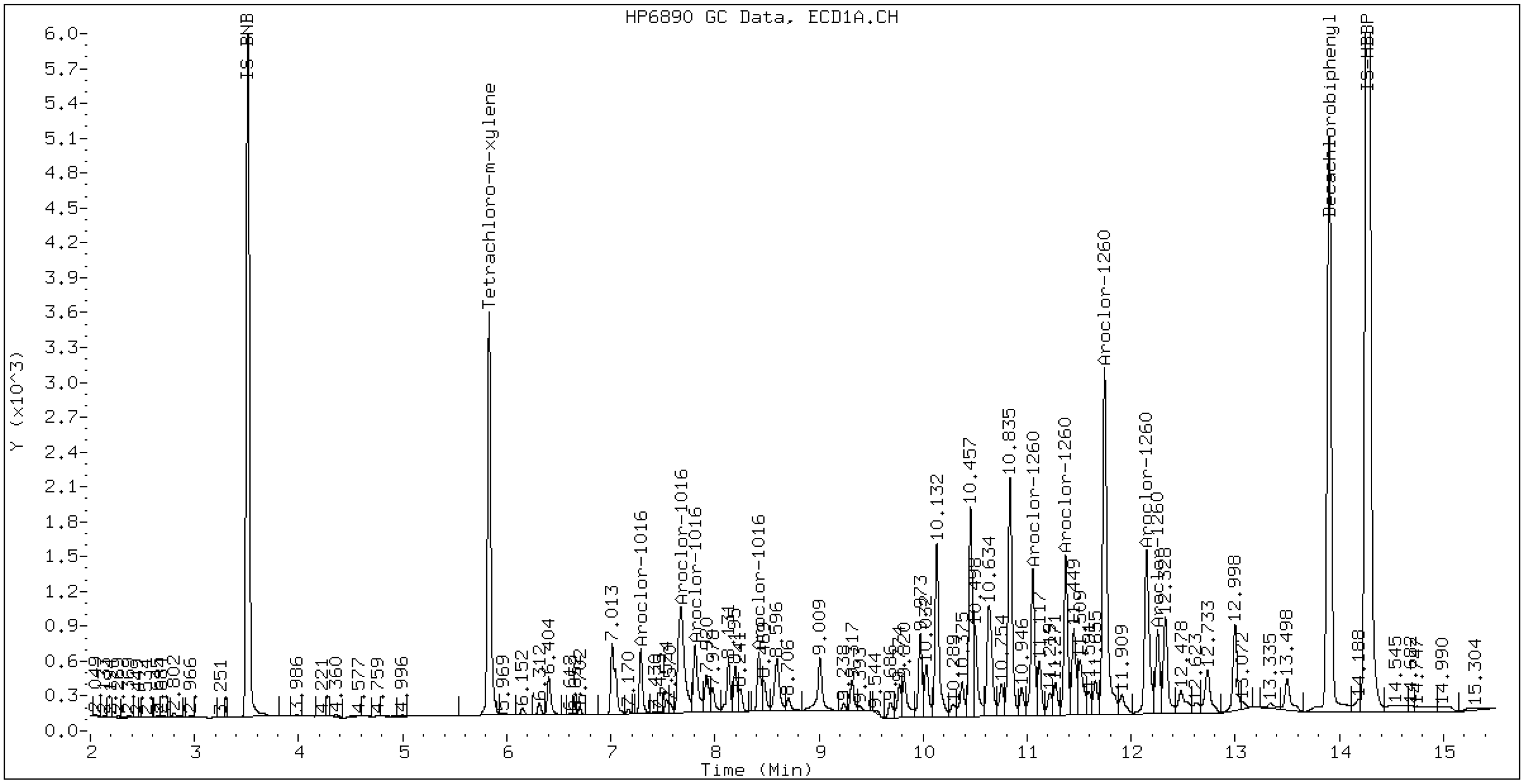
 Total PCB Area Col2 (5.808 - 14.029) =     919118     Col2 Total PCB = 0.5 ppm*


   *  Quantitated against AR1660 0.25ppm in Ical


                                    PCB-Form 10 Mod.
```

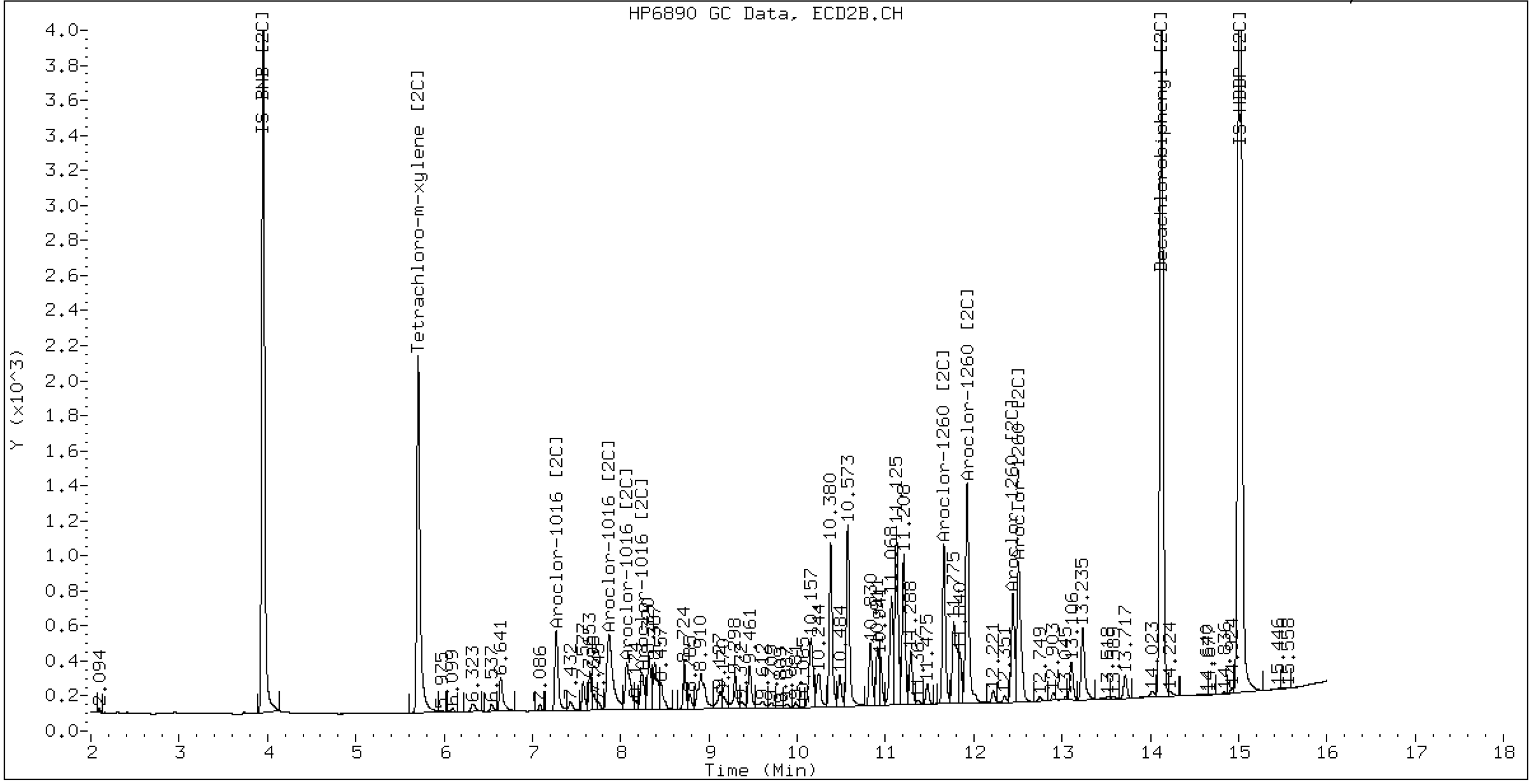
PCB Dual Column Chromatograms

ECD7-ZB5 AR1660CCV2 03-JAN-2023 12:09, 2ul



ZB-5 Manual Integration: NO

ECD7-ZB35 AR1660CCV2 03-JAN-2023 12:09, 2ul



ZB-35 Manual Integration: NO

CONTINUING CALIBRATION CHECK
EPA 8082A

Laboratory:	Analytical Resources, LLC	SDG:	22L0307
Client:	Anchor QEA, LLC	Project:	AOC4 UR Phase 3
Instrument ID:	ECD7	Calibration:	FL00010
Lab File ID:	01032330ECD7.D	Calibration Date:	12/03/2022
Sequence:	SLA0079	Injection Date:	01/03/23
Lab Sample ID:	SLA0079-CCV3	Injection Time:	18:28
Sequence Name:	AR1242CCV3		

		CONC. (ug/L)		RESPONSE FACTOR (RRF)			% DRIFT/DIFF	
COMPOUND	TYPE	STD	CCV	ICAL	CCV	MIN	CCV	LIMIT
Aroclor 1242	A	250.00	285	0.0396000	0.0439701		14.1	+/-20
Aroclor-1242 (1)	A	250.00	281		0.0254812			
Aroclor-1242 (2)	A	250.00	280		0.0806426			
Aroclor-1242 (3)	A	250.00	337		0.0279617			
Aroclor-1242 (4)	A	250.00	243		0.0417947			
Aroclor 1242 [2C]	A	250.00	268	0.0391981	0.0387542		7.3	+/-20
Aroclor-1242 (1) [2C]	A	250.00	264		0.0358019			
Aroclor-1242 (2) [2C]	A	250.00	197		0.0565731			
Aroclor-1242 (3) [2C]	A	250.00	299		0.0277340			
Aroclor-1242 (4) [2C]	A	250.00	313		0.0349078			
Decachlorobiphenyl	A	40.000	44.1	0.7333327	0.8080584		10.3	+/-20
Tetrachlorometaxylene	A	40.000	38.8	1.1336710	1.1010770		-3.0	+/-20
Decachlorobiphenyl [2C]	A	40.000	42.8	1.1358180	1.2157420		7.0	+/-20
Tetrachlorometaxylene [2C]	A	40.000	38.9	1.0966080	1.0656020		-2.8	+/-20

* Values outside of QC limits

* Values outside of QC limits

```
                              Analytical Resources Inc.
                         Dual Column 608/8082 PCB Quantitation Report

Data file 1: /230103.b/01032330ECD7.D                      ARI ID: AR1242CCV3
Data file 2: /230103.b/230103.b/01032330ECD7.D             Client ID:
Method: \\target\share\chem4\ecd7.i\230103.b\PCB.m         Injection Date: 03-JAN-2023 18:28
Compound Sublist: AR1242.sub                                  Report Date: 01/06/2023 17:01
Instrument, Inj. Vol.: ecd7.i, 2ul                         Matrix: NONE
Quant Method: Internal Std                                 Dilution Factor:  1.0



                                 SURROGATES

       ZB5 Col          |       ZB35 Col         |   ZB5    ZB35
  RT    Shift Response | RT    Shift  Response  |  on col  on col    RPD   Compound/Flag
==========================================================================================

  5.831 -0.001   202063 | 5.707  -0.000   134066|   38.8    38.9      0.0    Tetrachloro-m-xylene
 13.902 -0.001   347335 |14.128  -0.001   252492|   44.1    42.8      2.9    Decachlorobiphenyl


*  Indicates RPD > 40%



                          INTERNAL STANDARD SUMMARY

                                      Column 1
                                Standard    Sample
                 Standard Cpnd       Area*       Area      %D
               ------------------------------------------------
                 Bromo-Nitrobenzene    447645      367028  -18.0
                 Hexabromobiphenyl     798898      859678    7.6

                                      Column 2
                                Standard    Sample
                 Standard Cpnd       Area*       Area      %D
               ------------------------------------------------
                 Bromo-Nitrobenzene    249094     251625     1.0
                 Hexabromobiphenyl     362541     415371    14.6


                * Standard Areas taken from Initial Cal Level 3
                  Initial Calibration Date: 03-DEC-2022
               <- Indicates standard response outside Limits (-50 to +100%)
```

```
                            ZB5 Col                              ZB35 Col
 Aroclor    Peak#    RT    Shift    Area    Amount    Peak#   RT     Shift    Area   Amount
 ==========================================================================================
 Aroclor-1242 1   7.289   0.000     29226   280.9      1    7.271   0.000    28152   264.4
 Aroclor-1242 2   7.676   0.000     92494   280.0      2    7.872   0.000    44485   196.8
 Aroclor-1242 3   8.422   0.000     32071   337.5      3    9.169   0.000    21808   299.0
 Aroclor-1242 4   9.021   0.000     47937   242.9      4    9.589   0.000    27449   313.1
       Total Col1Ave (4 peaks):   285.3       Total Col2Ave (4 peaks):   268.3   RPD = 6
       Corrected Ave (3 peaks):   268.0       Corrected Ave (3 peaks):   253.4   RPD = 6

                    CalAmt %D:    14.1                    CalAmt %D:     7.3




 Total PCB Area Col1 (5.932 - 13.803) =     937827     Col1 Total PCB = 0.3 ppm*

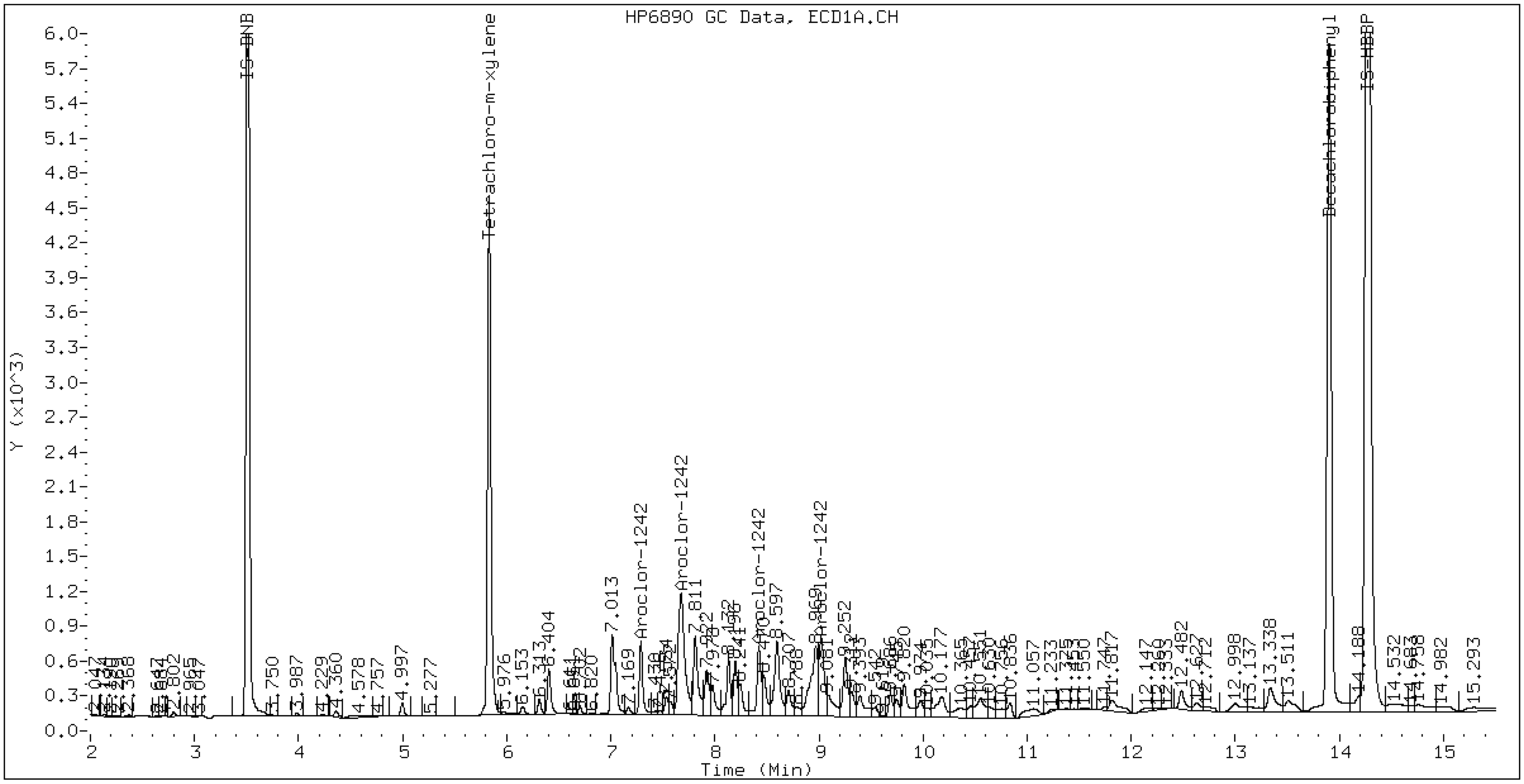
 Total PCB Area Col2 (5.808 - 14.029) =     444780     Col2 Total PCB = 0.2 ppm*


   *  Quantitated against AR1660 0.25ppm in Ical


                                        PCB-Form 10 Mod.
```

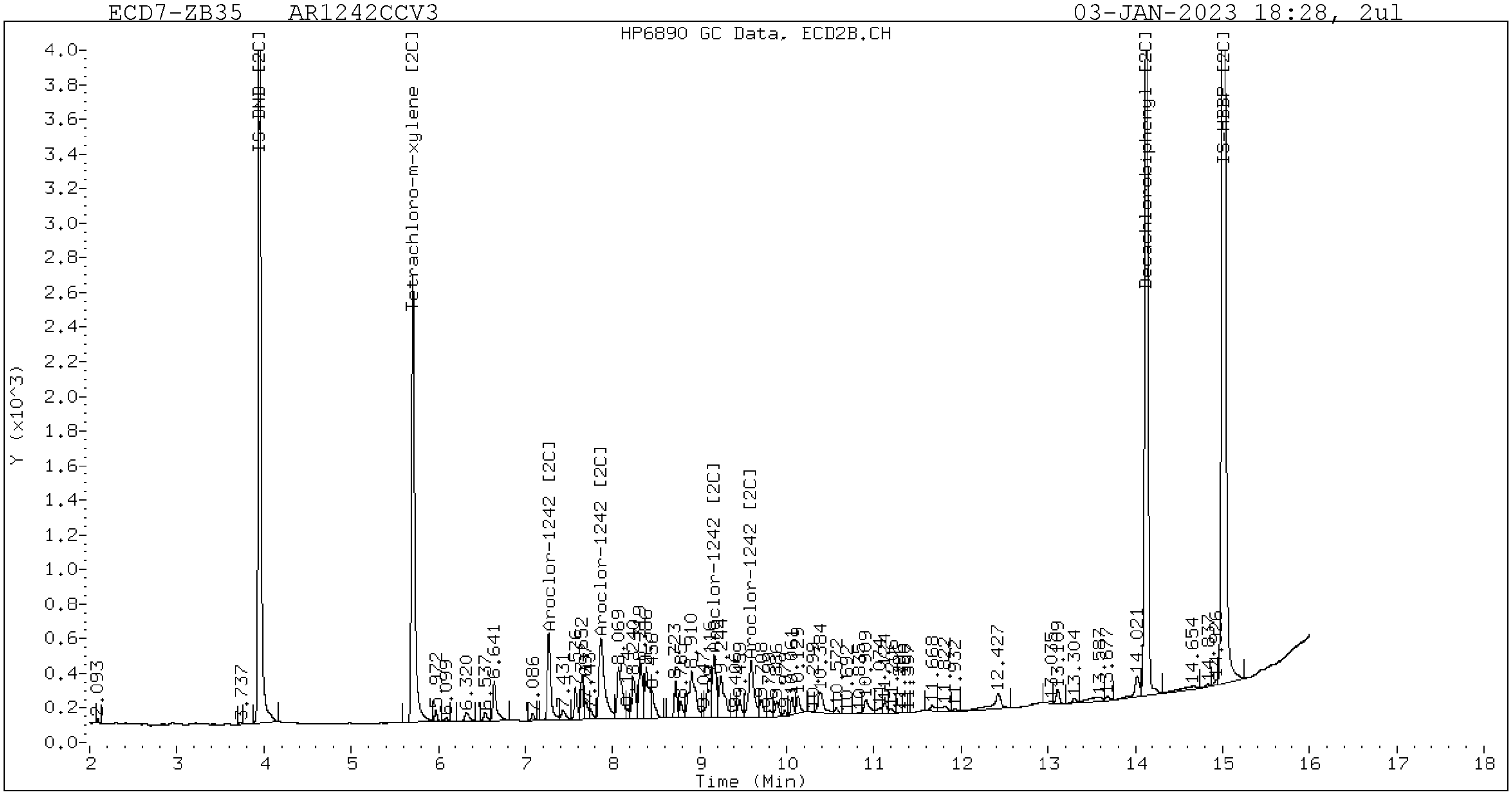
PCB Dual Column Chromatograms

ECD7-ZB5 AR1242CCV3 03-JAN-2023 18:28, 2ul



ZB-5 Manual Integration: YES

ECD7-ZB35 AR1242CCV3 03-JAN-2023 18:28, 2ul

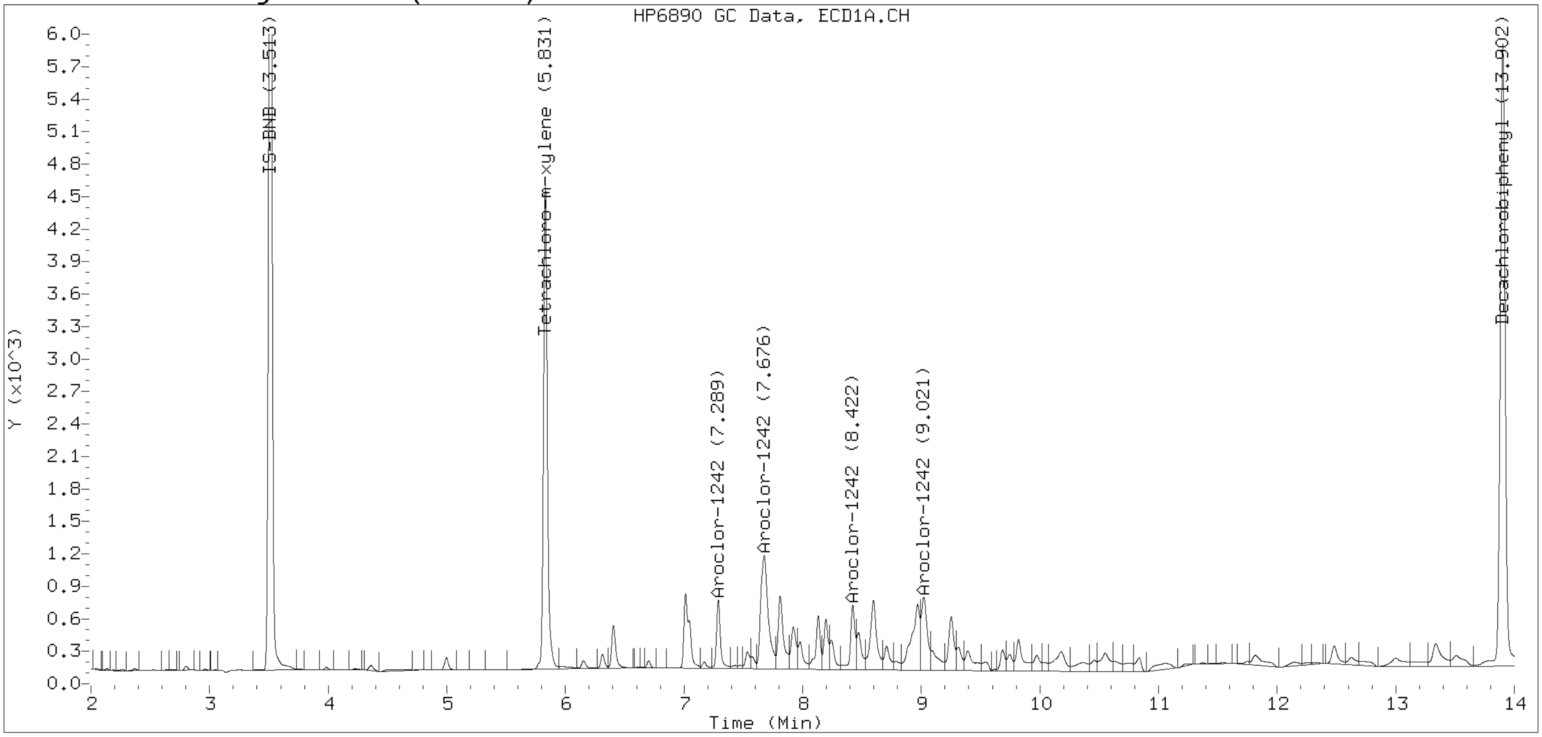


ZB-35 Manual Integration: NO

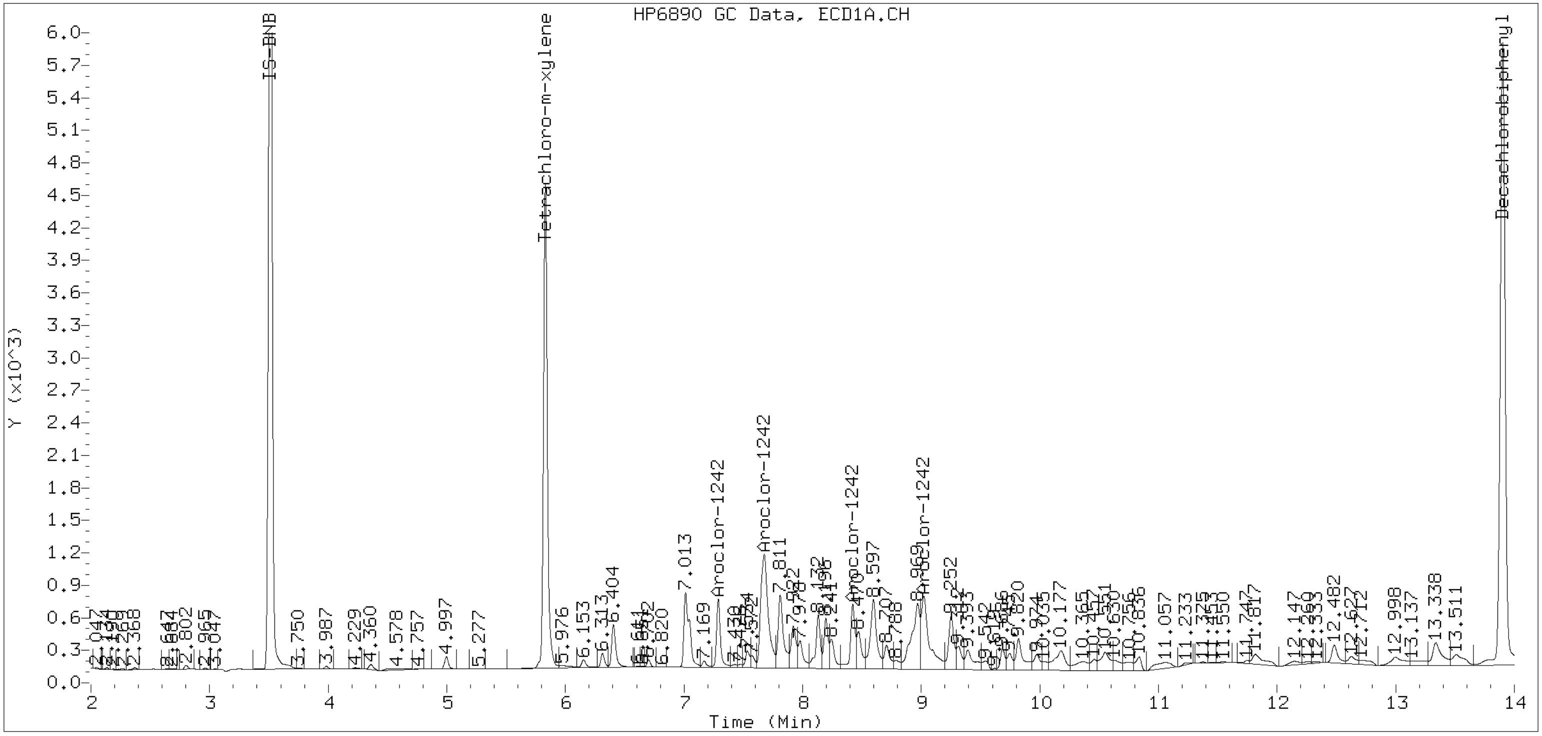
Manual Peak Adjustment, ZB-5

Datafile: ecd7.i/230103.b/01032330ECD7.D   Injection Date: 03-JAN-2023 18:28

Manual Integration (After)



Processed Integration (Before)



CONTINUING CALIBRATION CHECK

EPA 8082A

Laboratory:	Analytical Resources, LLC	SDG:	22L0307
Client:	Anchor QEA, LLC	Project:	AOC4 UR Phase 3
Instrument ID:	ECD7	Calibration:	FL00010
Lab File ID:	01032331ECD7.D	Calibration Date:	12/03/2022
Sequence:	SLA0079	Injection Date:	01/03/23
Lab Sample ID:	SLA0079-CCV4	Injection Time:	18:49
Sequence Name:	AR1660CCV4		

		CONC. (ug/L)		RESPONSE FACTOR (RRF)			% DRIFT/DIFF	
COMPOUND	TYPE	STD	CCV	ICAL	CCV	MIN	CCV	LIMIT
Aroclor 1016	A	250.00	294	0.0441939	0.0505094		17.7	+/-20
Aroclor-1016 (1)	A	250.00	278	0.0266860	0.0296476		11.2	
Aroclor-1016 (2)	A	250.00	270	0.0861572	0.0930805		8.0	
Aroclor-1016 (3)	A	250.00	294	0.0390425	0.0459334		17.6	
Aroclor-1016 (4)	A	250.00	335	0.0248899	0.0333762		34.0	
Aroclor 1016 [2C]	A	250.00	236	0.0467310	0.0412979		-5.6	+/-20
Aroclor-1016 (1) [2C]	A	250.00	249	0.0409030	0.0407613		-0.4	
Aroclor-1016 (2) [2C]	A	250.00	189	0.0882154	0.0667378		-24.4	
Aroclor-1016 (3) [2C]	A	250.00	241	0.0378846	0.0365952		-3.6	
Aroclor-1016 (4) [2C]	A	250.00	265	0.0199212	0.0210972		6.0	
Aroclor 1260	A	250.00	277	0.0390342	0.0430042		10.9	+/-20
Aroclor-1260 (1)	A	250.00	271	0.0291201	0.0315542		8.4	
Aroclor-1260 (2)	A	250.00	273	0.0301181	0.0328508		9.2	
Aroclor-1260 (3)	A	250.00	277	0.0791351	0.0876855		10.8	
Aroclor-1260 (4)	A	250.00	270	0.0403003	0.0434576		8.0	
Aroclor-1260 (5)	A	250.00	295	0.0164974	0.0194729		18.0	
Aroclor 1260 [2C]	A	250.00	211	0.0617619	0.0474391		-15.6	+/-20
Aroclor-1260 (1) [2C]	A	250.00	240	0.0422283	0.0405877		-4.0	
Aroclor-1260 (2) [2C]	A	250.00	161	0.1059643	0.0683669		-35.6	
Aroclor-1260 (3) [2C]	A	250.00	261	0.0282173	0.0294476		4.4	
Aroclor-1260 (4) [2C]	A	250.00	182	0.0706376	0.0513543		-27.2	
Decachlorobiphenyl	A	40.000	47.7	0.7333327	0.8744493		19.3	+/-20
Tetrachlorometaxylene	A	40.000	40.0	1.1336710	1.1339090		0.0	+/-20
Decachlorobiphenyl [2C]	A	40.000	42.9	1.1358180	1.2194670		7.3	+/-20
Tetrachlorometaxylene [2C]	A	40.000	40.9	1.0966080	1.1215770		2.3	+/-20

* Values outside of QC limits

* Values outside of QC limits

```
                              Analytical Resources Inc.
                         Dual Column 608/8082 PCB Quantitation Report

Data file 1: /230103.b/01032331ECD7.D                        ARI ID: AR1660CCV4
Data file 2: /230103.b/230103.b/01032331ECD7.D               Client ID:
Method: \\target\share\chem4\ecd7.i\230103.b\PCB.m           Injection Date: 03-JAN-2023 18:49
Compound Sublist: AR1660.sub                                    Report Date: 01/06/2023 17:01
Instrument, Inj. Vol.: ecd7.i, 2ul                           Matrix: NONE
Quant Method: Internal Std                                   Dilution Factor:  1.0



                                 SURROGATES

       ZB5 Col          |       ZB35 Col          |   ZB5    ZB35
  RT    Shift Response | RT    Shift  Response   |  on col  on col    RPD   Compound/Flag
===========================================================================================

  5.832  0.000   162323 | 5.708   0.000   108936|   40.0    40.9      2.2    Tetrachloro-m-xylene
 13.903  0.000   296423 |14.128  -0.002   210980|   47.7    42.9     10.5    Decachlorobiphenyl


*  Indicates RPD > 40%



                            INTERNAL STANDARD SUMMARY

                                        Column 1
                                 Standard    Sample
                  Standard Cpnd       Area*       Area      %D
              --------------------------------------------------
                Bromo-Nitrobenzene    447645      286307  -36.0
                Hexabromobiphenyl     798898      677965  -15.1

                                        Column 2
                                 Standard    Sample
                  Standard Cpnd       Area*       Area      %D
              --------------------------------------------------
                Bromo-Nitrobenzene    249094     194255   -22.0
                Hexabromobiphenyl     362541     346020    -4.6


               * Standard Areas taken from Initial Cal Level 3
                 Initial Calibration Date: 03-DEC-2022
              <- Indicates standard response outside Limits (-50 to +100%)
```

```
//target/share/chem4/ecd7.i/230103.b/01032331ECD7.D      AR1660CCV4                    page 2
                            ZB5 Col                           ZB35 Col
 Aroclor    Peak#    RT    Shift    Area    Amount    Peak#   RT     Shift    Area   Amount
 ========================================================================================
 Aroclor-1016 1   7.289  -0.006     26526   277.7      1    7.270  -0.001    24744   249.1
 Aroclor-1016 2   7.679  -0.006     83280   270.1      2    7.871  -0.001    40513   189.1
 Aroclor-1016 3   7.812  -0.006     41097   294.1      3    8.069  -0.001    22215   241.5
 Aroclor-1016 4   8.423  -0.006     29862   335.2      4    8.240  -0.001    12807   264.8
       Total Col1Ave (4 peaks):   294.3       Total Col2Ave (4 peaks):   236.1   RPD = 22
       Corrected Ave (3 peaks):   280.7       Corrected Ave (3 peaks):   226.6   RPD = 21

                    CalAmt %D:    17.7                     CalAmt %D:    -5.5

 Aroclor-1260 1  11.056  -0.007     66852   270.9      1   11.662  -0.000    43888   240.3
 Aroclor-1260 2  11.373  -0.004     69599   272.7      2   11.925  -0.000    73926   161.3
 Aroclor-1260 3  11.747  -0.005    185774   277.0      3   12.444  -0.000    31842   260.9
 Aroclor-1260 4  12.151  -0.007     92071   269.6      4   12.508  -0.001    55530   181.8
 Aroclor-1260 5  12.256  -0.006     41256   295.1      NS    ---                     ----
       Total Col1Ave (5 peaks):   277.1       Total Col2Ave (4 peaks):   211.1   RPD = 27
       Corrected Ave (4 peaks):   272.5       Corrected Ave (3 peaks):   194.4   RPD = 33

                    CalAmt %D:    10.8                     CalAmt %D:   -15.6




 Total PCB Area Col1 (5.932 - 13.803) =    1931708     Col1 Total PCB = 0.7 ppm*

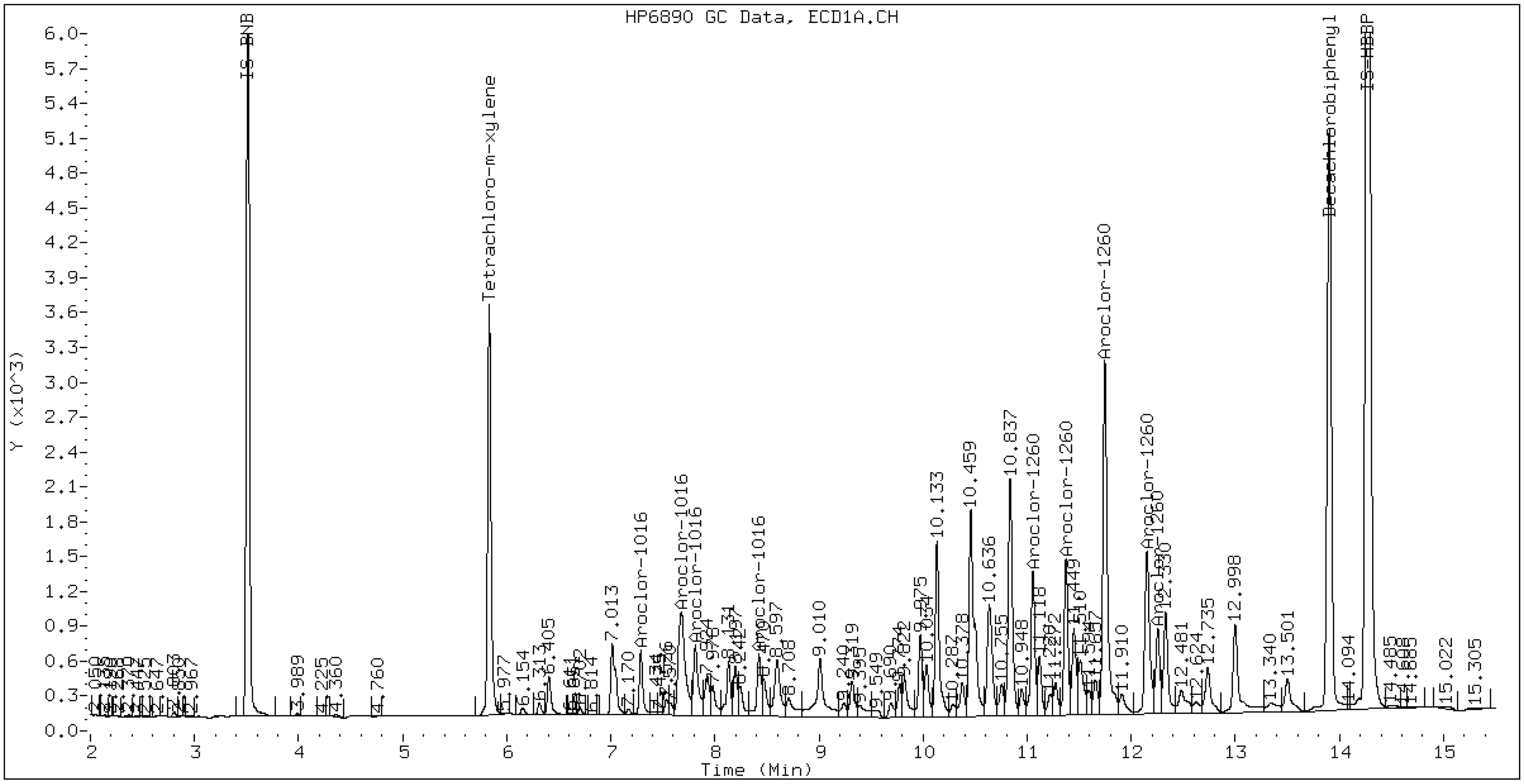
 Total PCB Area Col2 (5.808 - 14.029) =     918749     Col2 Total PCB = 0.5 ppm*


   *  Quantitated against AR1660 0.25ppm in Ical


                                        PCB-Form 10 Mod.
```

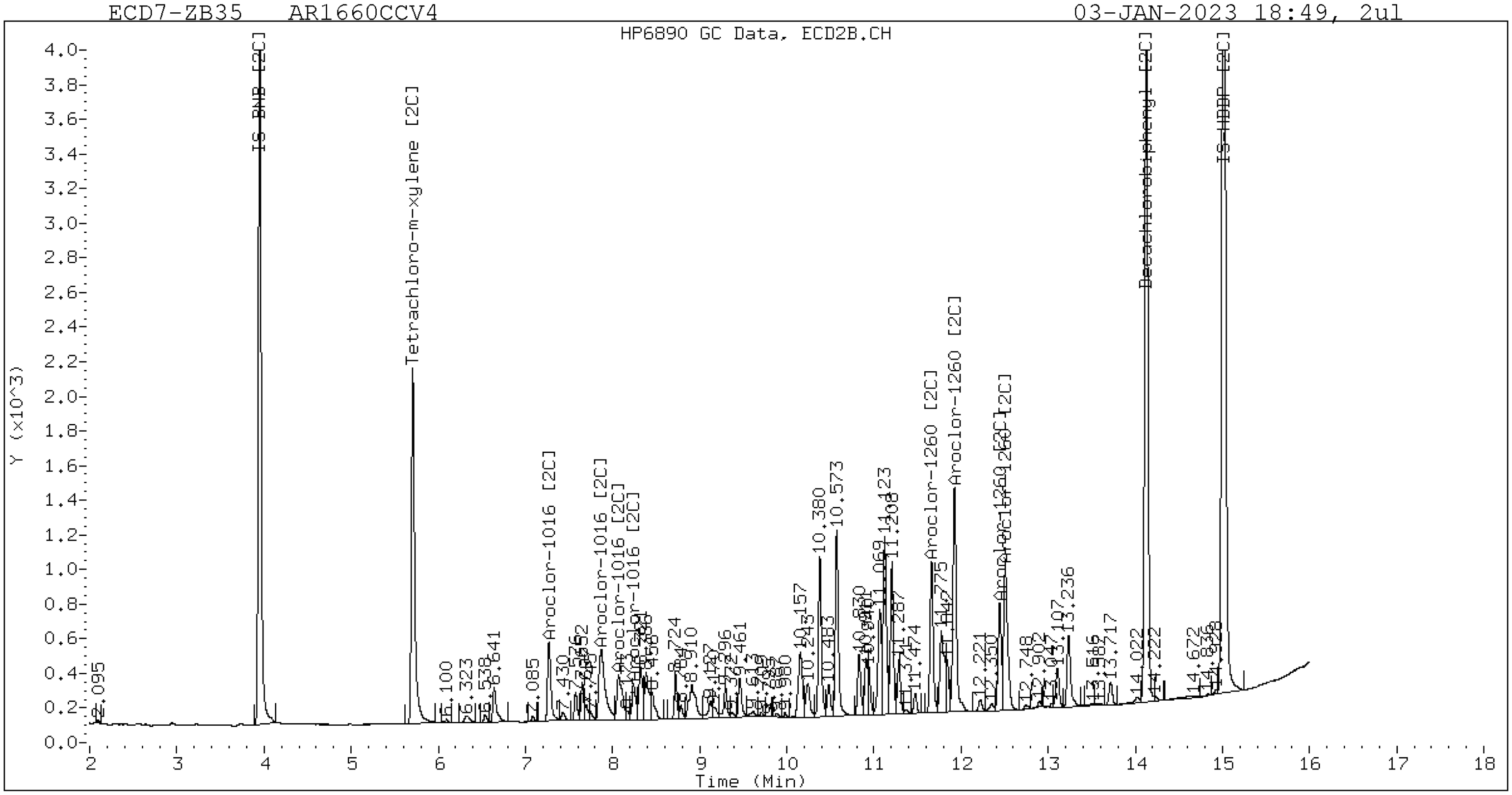
PCB Dual Column Chromatograms

ECD7-ZB5 AR1660CCV4 03-JAN-2023 18:49, 2ul



ZB-5 Manual Integration: NO

ECD7-ZB35 AR1660CCV4 03-JAN-2023 18:49, 2ul



ZB-35 Manual Integration: NO

CONTINUING CALIBRATION CHECK
EPA 8082A

Laboratory:	Analytical Resources, LLC	SDG:	22L0307
Client:	Anchor QEA, LLC	Project:	AOC4 UR Phase 3
Instrument ID:	ECD7	Calibration:	FL00010
Lab File ID:	01032347ECD7.D	Calibration Date:	12/03/2022
Sequence:	SLA0079	Injection Date:	01/04/23
Lab Sample ID:	SLA0079-CCV5	Injection Time:	00:26
Sequence Name:	AR1254CCV5		

COMPOUND	TYPE	CONC. (ug/L) STD	CONC. (ug/L) CCV	RESPONSE FACTOR (RRF) ICAL	RESPONSE FACTOR (RRF) CCV	RESPONSE FACTOR (RRF) MIN	% DRIFT/DIFF CCV	% DRIFT/DIFF LIMIT
Aroclor 1254	A	250.00	285	0.0576965	0.0661707		14.0	+/-20
Aroclor-1254 (1)	A	250.00	256		0.0721448			
Aroclor-1254 (2)	A	250.00	302		0.0330578			
Aroclor-1254 (3)	A	250.00	235		0.0417671			
Aroclor-1254 (4)	A	250.00	308		0.1068819			
Aroclor-1254 (5)	A	250.00	324		0.0770019			
Aroclor 1254 [2C]	A	250.00	240	0.0638047	0.0627563		-4.1	+/-20
Aroclor-1254 (1) [2C]	A	250.00	242		0.0500428			
Aroclor-1254 (2) [2C]	A	250.00	151		0.0251111			
Aroclor-1254 (3) [2C]	A	250.00	220		0.0783272			
Aroclor-1254 (4) [2C]	A	250.00	292		0.1078908			
Aroclor-1254 (5) [2C]	A	250.00	294		0.0524096			
Decachlorobiphenyl	A	40.000	44.2	0.7333327	0.8107879		10.5	+/-20
Tetrachlorometaxylene	A	40.000	38.0	1.1336710	1.0777150		-5.0	+/-20
Decachlorobiphenyl [2C]	A	40.000	41.8	1.1358180	1.1884280		4.5	+/-20
Tetrachlorometaxylene [2C]	A	40.000	37.7	1.0966080	1.0330770		-5.8	+/-20

* Values outside of QC limits

* Values outside of QC limits

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                              Analytical Resources Inc.
                         Dual Column 608/8082 PCB Quantitation Report

Data file 1: /230103.b/01032347ECD7.D                    ARI ID: AR1254CCV5
Data file 2: /230103.b/230103.b/01032347ECD7.D           Client ID:
Method: \\target\share\chem4\ecd7.i\230103.b\PCB.m       Injection Date: 04-JAN-2023 00:26
Compound Sublist: AR1254.sub                                Report Date: 01/06/2023 17:01
Instrument, Inj. Vol.: ecd7.i, 2ul                       Matrix: NONE
Quant Method: Internal Std                               Dilution Factor:  1.0



                                 SURROGATES

       ZB5 Col         |       ZB35 Col         |   ZB5    ZB35
  RT    Shift Response | RT    Shift  Response  |  on col  on col    RPD   Compound/Flag
========================================================================================

 5.832  0.000   198167 | 5.708   0.000   131787|   38.0    37.7      0.9    Tetrachloro-m-xylene
13.903  0.000   325582 |14.129  -0.000   250744|   44.2    41.9      5.5    Decachlorobiphenyl


*  Indicates RPD > 40%




                            INTERNAL STANDARD SUMMARY

                                        Column 1
                                 Standard    Sample
                Standard Cpnd      Area*       Area      %D
            --------------------------------------------------
              Bromo-Nitrobenzene    447645      367754  -17.8
              Hexabromobiphenyl     798898      803125    0.5

                                        Column 2
                                 Standard    Sample
                Standard Cpnd      Area*       Area      %D
            --------------------------------------------------
              Bromo-Nitrobenzene    249094     255135     2.4
              Hexabromobiphenyl     362541     421976    16.4


             * Standard Areas taken from Initial Cal Level 3
               Initial Calibration Date: 03-DEC-2022
            <- Indicates standard response outside Limits (-50 to +100%)
```

```
//target/share/chem4/ecd7.i/230103.b/01032347ECD7.D      AR1254CCV5                    page 2
                              ZB5 Col                               ZB35 Col
 Aroclor    Peak#    RT    Shift    Area    Amount    Peak#   RT     Shift    Area   Amount
 ===========================================================================================
 Aroclor-1254 1   9.314   0.000     82911   256.1      1    9.461   0.000    39899   242.6
 Aroclor-1254 2   9.393   0.000     37991   301.7      2    9.978   0.000    20021   151.4
 Aroclor-1254 3   9.687   0.000     48000   234.7      3   10.129   0.000    62450   219.7
 Aroclor-1254 4   9.821   0.000    122832   308.1      4   10.378   0.000    86021   292.2
 Aroclor-1254 5  10.176   0.000     88493   323.8      5   10.576   0.000    41786   294.3
       Total Col1Ave (5 peaks):   284.9       Total Col2Ave (5 peaks):   240.0   RPD = 17
       Corrected Ave (4 peaks):   275.1       Corrected Ave (4 peaks):   226.5   RPD = 19

                     CalAmt %D:    14.0                    CalAmt %D:    -4.0




 Total PCB Area Col1 (5.932 - 13.803) =    1364494     Col1 Total PCB = 0.4 ppm*

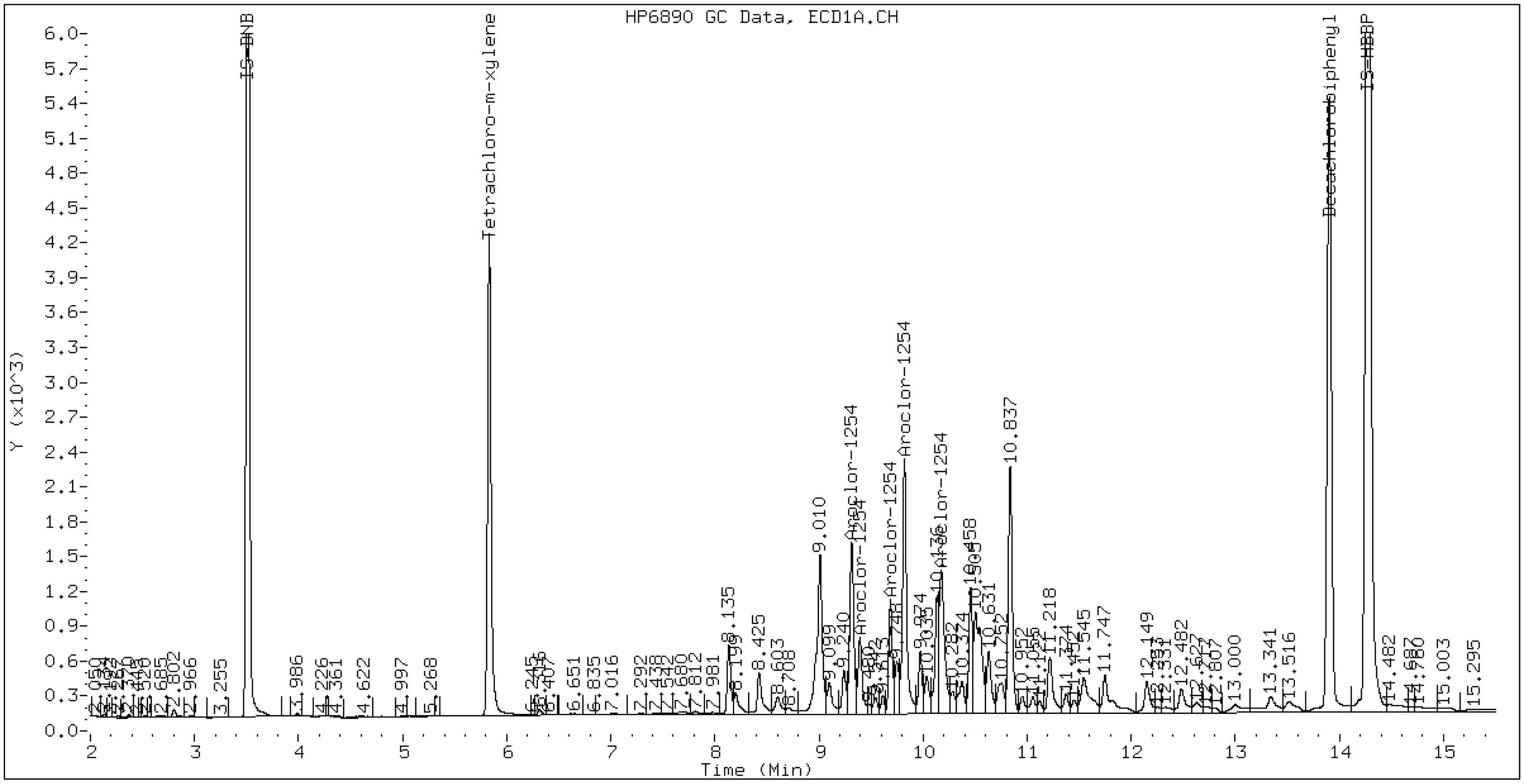
 Total PCB Area Col2 (5.808 - 14.029) =     735302     Col2 Total PCB = 0.3 ppm*

   *  Quantitated against AR1660 0.25ppm in Ical

                                       PCB-Form 10 Mod.
```

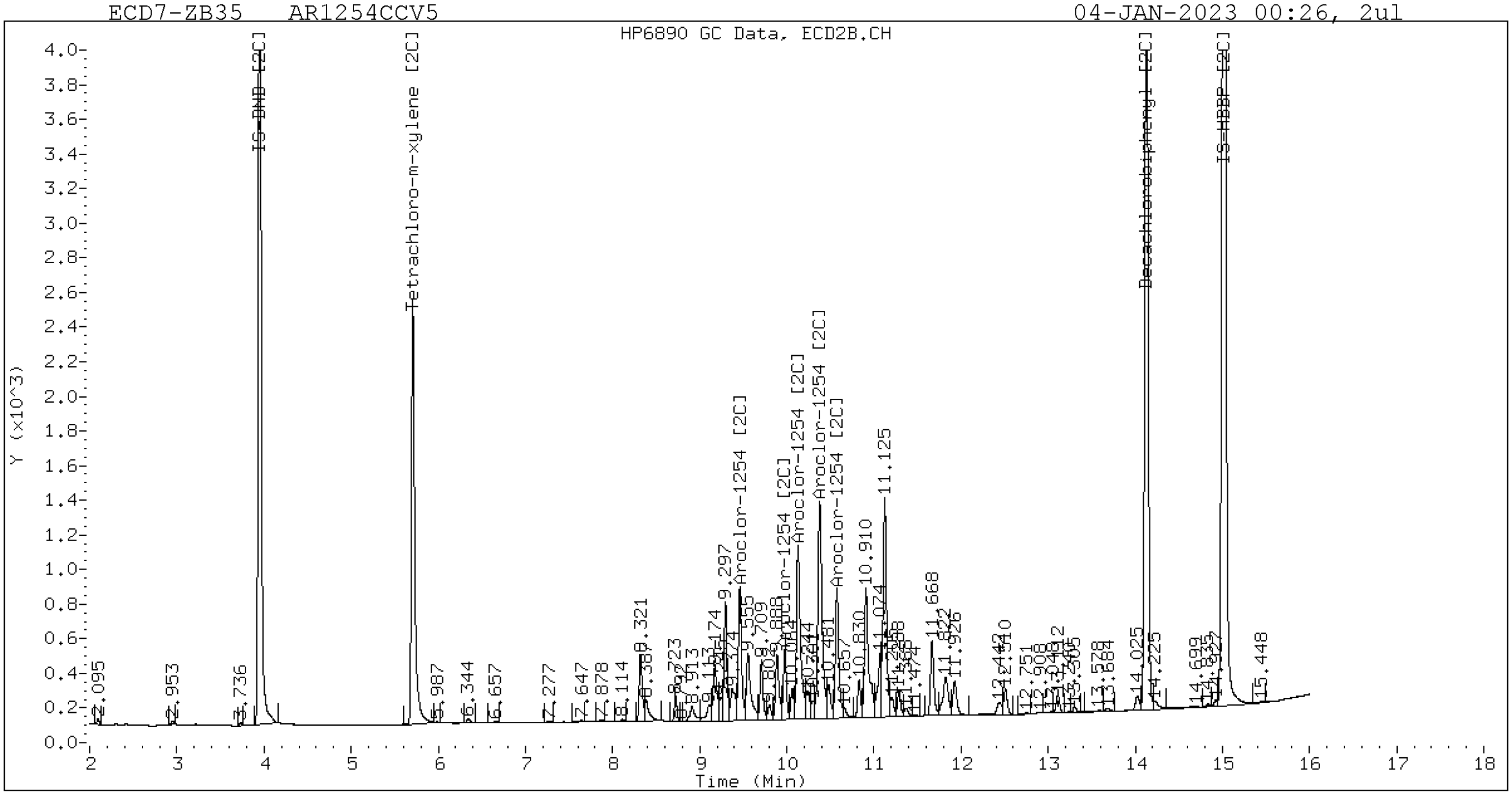
PCB Dual Column Chromatograms

ECD7-ZB5 AR1254CCV5 04-JAN-2023 00:26, 2ul



ZB-5 Manual Integration: YES

ECD7-ZB35 AR1254CCV5 04-JAN-2023 00:26, 2ul

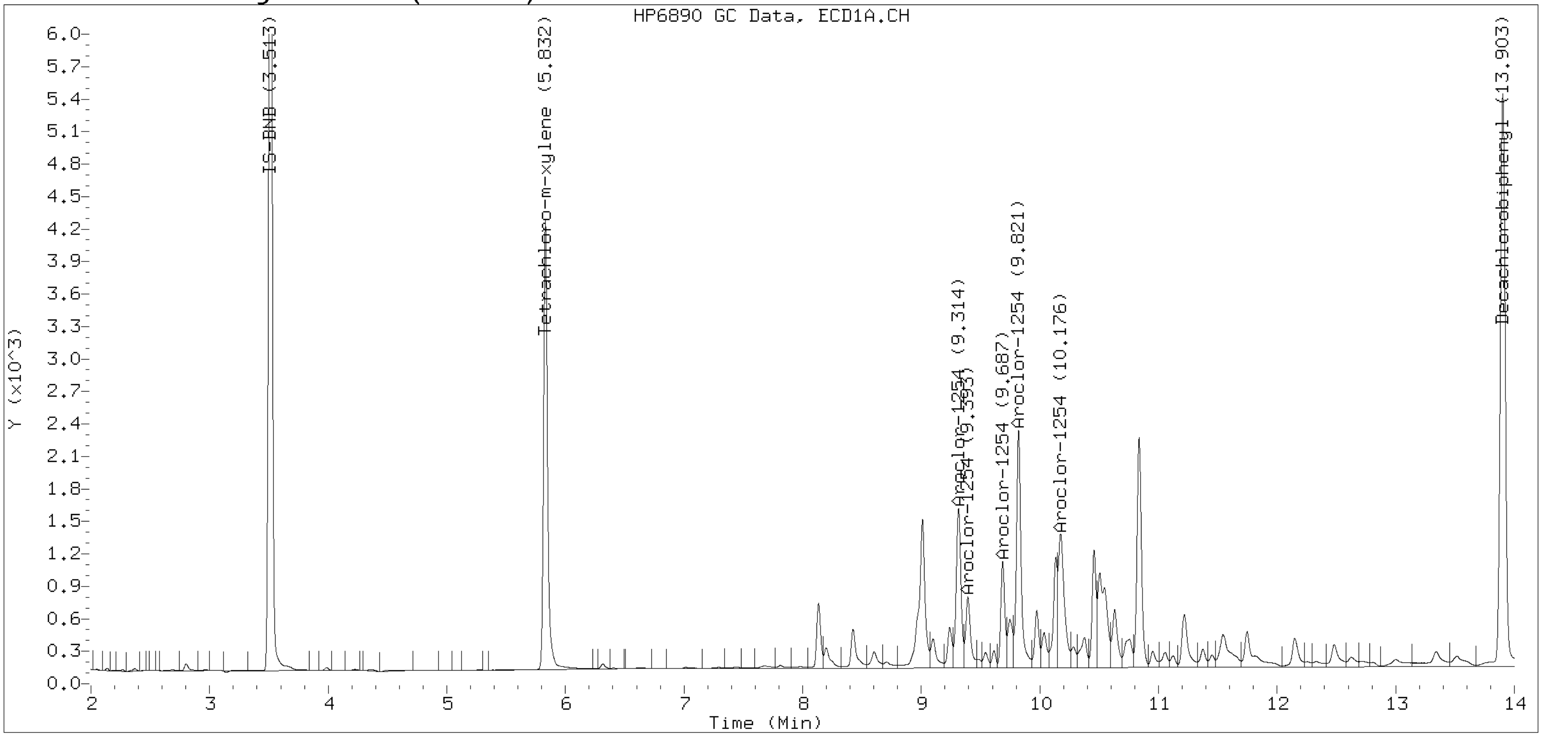


ZB-35 Manual Integration: NO

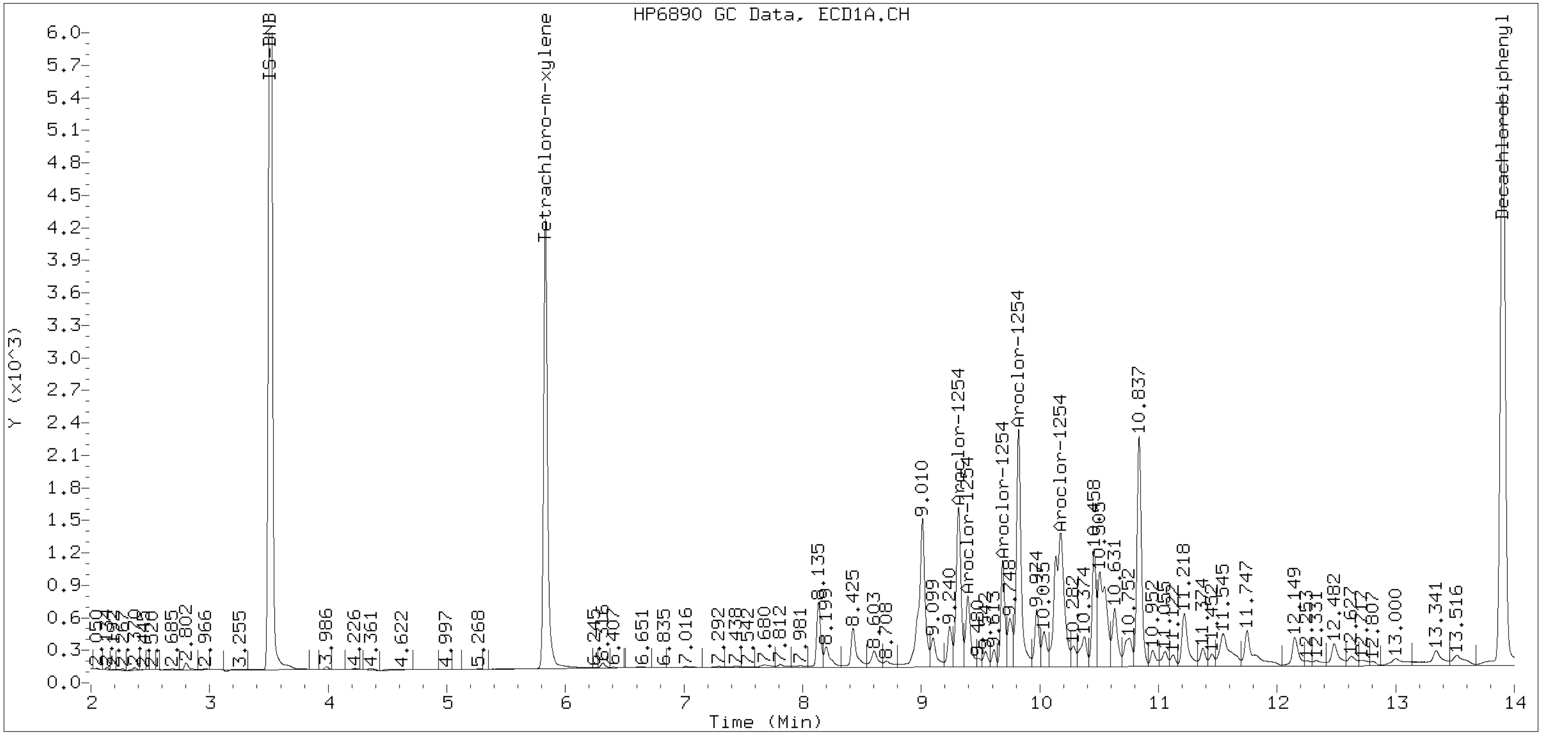
Manual Peak Adjustment, ZB-5

Datafile: ecd7.i/230103.b/01032347ECD7.D   Injection Date: 04-JAN-2023 00:26

Manual Integration (After)



Processed Integration (Before)



CONTINUING CALIBRATION CHECK

EPA 8082A

Laboratory:	Analytical Resources, LLC	SDG:	22L0307
Client:	Anchor QEA, LLC	Project:	AOC4 UR Phase 3
Instrument ID:	ECD7	Calibration:	FL00010
Lab File ID:	01032348ECD7.D	Calibration Date:	12/03/2022
Sequence:	SLA0079	Injection Date:	01/04/23
Lab Sample ID:	SLA0079-CCV6	Injection Time:	00:47
Sequence Name:	AR1660CCV6		

COMPOUND	TYPE	CONC. (ug/L)		RESPONSE FACTOR (RRF)			% DRIFT/DIFF	
		STD	CCV	ICAL	CCV	MIN	CCV	LIMIT
Aroclor 1016	A	250.00	298	0.0441939	0.0511276		19.2	+/-20
Aroclor-1016 (1)	A	250.00	279	0.0266860	0.0297468		11.6	
Aroclor-1016 (2)	A	250.00	275	0.0861572	0.0947132		10.0	
Aroclor-1016 (3)	A	250.00	293	0.0390425	0.0457209		17.2	
Aroclor-1016 (4)	A	250.00	345	0.0248899	0.0343296		38.0	
Aroclor 1016 [2C]	A	250.00	240	0.0467310	0.0419381		-4.2	+/-20
Aroclor-1016 (1) [2C]	A	250.00	251	0.0409030	0.0410991		0.4	
Aroclor-1016 (2) [2C]	A	250.00	193	0.0882154	0.0681188		-22.8	
Aroclor-1016 (3) [2C]	A	250.00	244	0.0378846	0.0370051		-2.4	
Aroclor-1016 (4) [2C]	A	250.00	270	0.0199212	0.0215293		8.0	
Aroclor 1260	A	250.00	280	0.0390342	0.0434253		11.9	+/-20
Aroclor-1260 (1)	A	250.00	274	0.0291201	0.0318922		9.6	
Aroclor-1260 (2)	A	250.00	274	0.0301181	0.0330626		9.6	
Aroclor-1260 (3)	A	250.00	280	0.0791351	0.0886113		12.0	
Aroclor-1260 (4)	A	250.00	272	0.0403003	0.0438071		8.8	
Aroclor-1260 (5)	A	250.00	299	0.0164974	0.0197532		19.6	
Aroclor 1260 [2C]	A	250.00	213	0.0617619	0.0481785		-14.7	+/-20
Aroclor-1260 (1) [2C]	A	250.00	245	0.0422283	0.0413648		-2.0	
Aroclor-1260 (2) [2C]	A	250.00	166	0.1059643	0.0702418		-33.6	
Aroclor-1260 (3) [2C]	A	250.00	258	0.0282173	0.0291401		3.2	
Aroclor-1260 (4) [2C]	A	250.00	184	0.0706376	0.0519673		-26.4	
Decachlorobiphenyl	A	40.000	45.4	0.7333327	0.8321665		13.5	+/-20
Tetrachlorometaxylene	A	40.000	40.0	1.1336710	1.1337850		0.0	+/-20
Decachlorobiphenyl [2C]	A	40.000	42.6	1.1358180	1.2105940		6.5	+/-20
Tetrachlorometaxylene [2C]	A	40.000	40.1	1.0966080	1.0990500		0.3	+/-20

* Values outside of QC limits

```
                              Analytical Resources Inc.
                         Dual Column 608/8082 PCB Quantitation Report

Data file 1: /230103.b/01032348ECD7.D                        ARI ID: AR1660CCV6
Data file 2: /230103.b/230103.b/01032348ECD7.D               Client ID:
Method: \\target\share\chem4\ecd7.i\230103.b\PCB.m           Injection Date: 04-JAN-2023 00:47
Compound Sublist: AR1660.sub                                    Report Date: 01/06/2023 17:01
Instrument, Inj. Vol.: ecd7.i, 2ul                           Matrix: NONE
Quant Method: Internal Std                                   Dilution Factor:  1.0



                                 SURROGATES

       ZB5 Col          |       ZB35 Col          |   ZB5    ZB35
  RT    Shift Response | RT    Shift  Response  |  on col  on col    RPD   Compound/Flag
===========================================================================================

  5.831 -0.000   164472 | 5.708   0.000   110560|   40.0    40.1      0.2    Tetrachloro-m-xylene
 13.903 -0.000   274399 |14.129   0.000   209069|   45.4    42.6      6.3    Decachlorobiphenyl


*  Indicates RPD > 40%



                            INTERNAL STANDARD SUMMARY

                                        Column 1
                                 Standard    Sample
                  Standard Cpnd       Area*       Area      %D
               --------------------------------------------------
                 Bromo-Nitrobenzene    447645      290129  -35.2
                 Hexabromobiphenyl     798898      659481  -17.5

                                        Column 2
                                 Standard    Sample
                  Standard Cpnd       Area*       Area      %D
               --------------------------------------------------
                 Bromo-Nitrobenzene    249094     201192   -19.2
                 Hexabromobiphenyl     362541     345399    -4.7


                * Standard Areas taken from Initial Cal Level 3
                  Initial Calibration Date: 03-DEC-2022
               <- Indicates standard response outside Limits (-50 to +100%)
```

```
//target/share/chem4/ecd7.i/230103.b/01032348ECD7.D      AR1660CCV6                      page 2
                             ZB5 Col                                ZB35 Col
 Aroclor    Peak#    RT    Shift    Area    Amount    Peak#   RT     Shift    Area   Amount
 =========================================================================================
 Aroclor-1016 1   7.289  -0.006     26970   278.7      1    7.272   0.000    25840   251.2
 Aroclor-1016 2   7.676  -0.009     85872   274.8      2    7.872   0.000    42828   193.0
 Aroclor-1016 3   7.811  -0.007     41453   292.8      3    8.071   0.000    23266   244.2
 Aroclor-1016 4   8.423  -0.007     31125   344.8      4    8.241   0.000    13536   270.2
       Total Col1Ave (4 peaks):   297.8       Total Col2Ave (4 peaks):   239.7   RPD = 22
       Corrected Ave (3 peaks):   282.1       Corrected Ave (3 peaks):   229.5   RPD = 21

                     CalAmt %D:    19.1                     CalAmt %D:    -4.1

 Aroclor-1260 1  11.055  -0.007     65726   273.8      1   11.663   0.000    44648   244.9
 Aroclor-1260 2  11.372  -0.005     68138   274.4      2   11.926   0.000    75817   165.7
 Aroclor-1260 3  11.746  -0.006    182617   279.9      3   12.444   0.000    31453   258.2
 Aroclor-1260 4  12.150  -0.009     90281   271.8      4   12.509   0.000    56092   183.9
 Aroclor-1260 5  12.256  -0.006     40709   299.3      NS    ---                      ----
       Total Col1Ave (5 peaks):   279.9       Total Col2Ave (4 peaks):   213.2   RPD = 27
       Corrected Ave (4 peaks):   275.0       Corrected Ave (3 peaks):   198.2   RPD = 32

                     CalAmt %D:    11.9                     CalAmt %D:   -14.7




 Total PCB Area Col1 (5.932 - 13.803) =    1893243     Col1 Total PCB = 0.7 ppm*

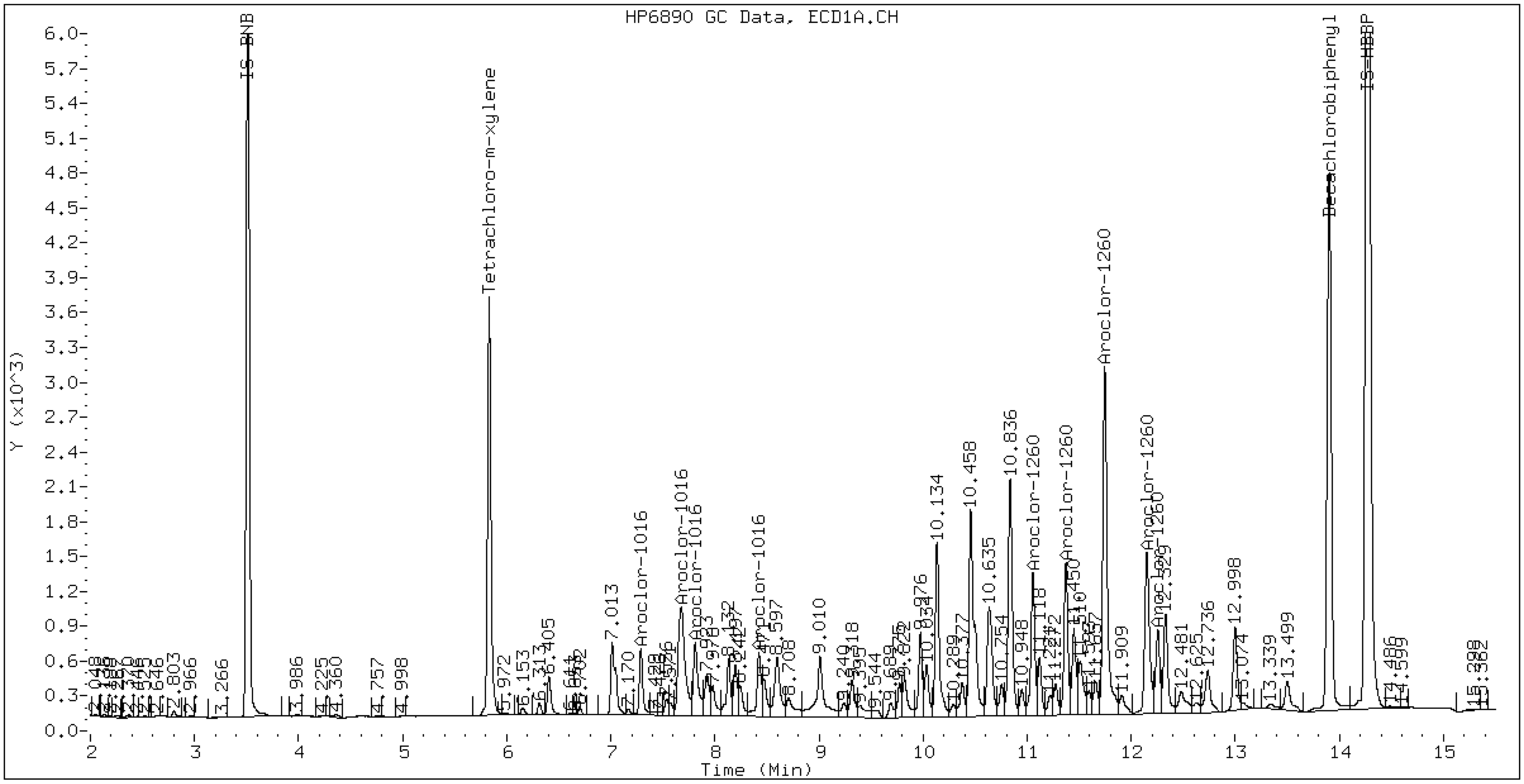
 Total PCB Area Col2 (5.808 - 14.029) =     955529     Col2 Total PCB = 0.5 ppm*


   *  Quantitated against AR1660 0.25ppm in Ical


                                    PCB-Form 10 Mod.
```

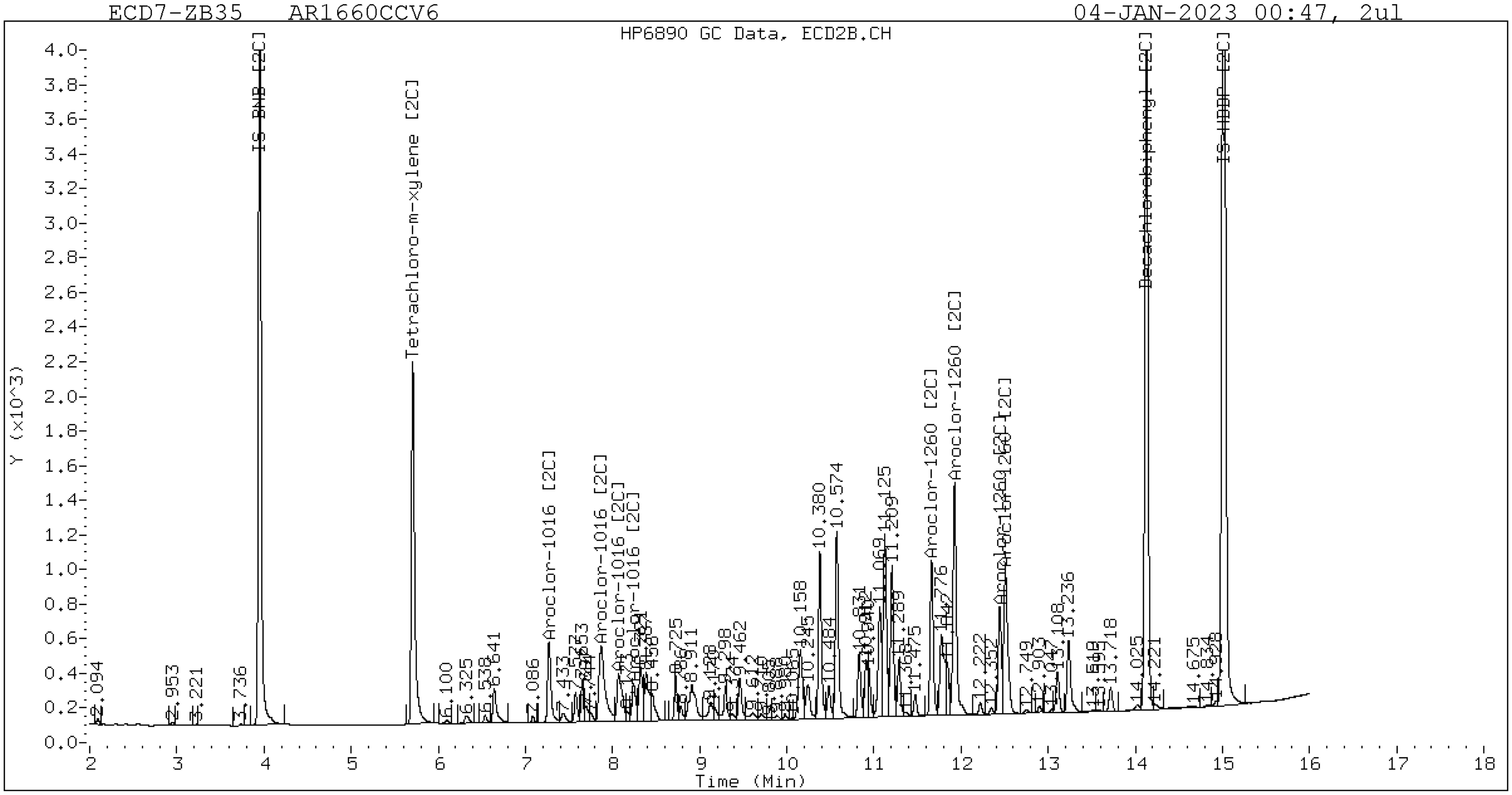
PCB Dual Column Chromatograms

ECD7-ZB5 AR1660CCV6 04-JAN-2023 00:47, 2ul



ZB-5 Manual Integration: NO

ECD7-ZB35 AR1660CCV6 04-JAN-2023 00:47, 2ul



ZB-35 Manual Integration: NO

CONTINUING CALIBRATION CHECK

EPA 8082A

Laboratory:	Analytical Resources, LLC	SDG:	22L0307
Client:	Anchor QEA, LLC	Project:	AOC4 UR Phase 3
Instrument ID:	ECD7	Calibration:	FL00010
Lab File ID:	01052331ECD7.D	Calibration Date:	12/03/2022
Sequence:	SLA0096	Injection Date:	01/05/23
Lab Sample ID:	SLA0096-CCV3	Injection Time:	22:56
Sequence Name:	AR1242CCV3		

COMPOUND	TYPE	CONC. (ug/L)		RESPONSE FACTOR (RRF)			% DRIFT/DIFF	
		STD	CCV	ICAL	CCV	MIN	CCV	LIMIT
Aroclor 1242	A	250.00	291	0.0396000	0.0450782		16.3	+/-20
Aroclor-1242 (1)	A	250.00	275		0.0249733			
Aroclor-1242 (2)	A	250.00	270		0.0778022			
Aroclor-1242 (3)	A	250.00	323		0.0267476			
Aroclor-1242 (4)	A	250.00	295		0.0507896			
Aroclor 1242 [2C]	A	250.00	252	0.0391981	0.0366339		0.6	+/-20
Aroclor-1242 (1) [2C]	A	250.00	250		0.0338878			
Aroclor-1242 (2) [2C]	A	250.00	191		0.0548643			
Aroclor-1242 (3) [2C]	A	250.00	278		0.0258004			
Aroclor-1242 (4) [2C]	A	250.00	287		0.0319832			
Decachlorobiphenyl	A	40.000	43.1	0.7333327	0.7894548		7.8	+/-20
Tetrachlorometaxylene	A	40.000	37.5	1.1336710	1.0635780		-6.3	+/-20
Decachlorobiphenyl [2C]	A	40.000	40.0	1.1358180	1.1369330		0.0	+/-20
Tetrachlorometaxylene [2C]	A	40.000	37.9	1.0966080	1.0403430		-5.3	+/-20

* Values outside of QC limits

* Values outside of QC limits

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                              Analytical Resources Inc.
                         Dual Column 608/8082 PCB Quantitation Report

Data file 1: /230105.b/01052331ECD7.D                        ARI ID: AR1242CCV3
Data file 2: /230105.b/230105.b/01052331ECD7.D               Client ID:
Method: \\target\share\chem4\ecd7.i\230105.b\PCB.m           Injection Date: 05-JAN-2023 22:56
Compound Sublist: AR1242.sub                                    Report Date: 01/10/2023 11:52
Instrument, Inj. Vol.: ecd7.i, 2ul                           Matrix: NONE
Quant Method: Internal Std                                   Dilution Factor:  1.0



                                   SURROGATES

       ZB5 Col          |        ZB35 Col          |   ZB5    ZB35
  RT    Shift Response | RT    Shift  Response   |  on col  on col    RPD   Compound/Flag
=========================================================================================

 5.832 -0.001   163724 | 5.707  -0.003   113181|   37.5    37.9      1.1    Tetrachloro-m-xylene
13.903 -0.001   171393 |14.127  -0.000   167805|   43.1    40.0      7.3    Decachlorobiphenyl


*  Indicates RPD > 40%



                                INTERNAL STANDARD SUMMARY

                                            Column 1
                                     Standard    Sample
                  Standard Cpnd       Area*       Area      %D
                --------------------------------------------------
                  Bromo-Nitrobenzene    447645      307874  -31.2
                  Hexabromobiphenyl     798898      434206  -45.6

                                            Column 2
                                     Standard    Sample
                  Standard Cpnd       Area*       Area      %D
                --------------------------------------------------
                  Bromo-Nitrobenzene    249094     217584   -12.6
                  Hexabromobiphenyl     362541     295189   -18.6


                 * Standard Areas taken from Initial Cal Level 3
                   Initial Calibration Date: 03-DEC-2022
                <- Indicates standard response outside Limits (-50 to +100%)
```

```
//target/share/chem4/ecd7.i/230105.b/01052331ECD7.D      AR1242CCV3                   page 2
                              ZB5 Col                                 ZB35 Col
 Aroclor   Peak#    RT    Shift    Area    Amount    Peak#   RT     Shift    Area   Amount
 ===========================================================================================
 Aroclor-1242 1   7.289  -0.006     24027   275.3      1    7.271   0.001    23042   250.2
 Aroclor-1242 2   7.676  -0.009     74854   270.2      2    7.871   0.000    37305   190.8
 Aroclor-1242 3   8.422  -0.007     25734   322.8      3    9.169  -0.003    17543   278.2
 Aroclor-1242 4   9.021  -0.010     48865   295.2      4    9.590  -0.002    21747   286.9
       Total Col1Ave (4 peaks):   290.9       Total Col2Ave (4 peaks):   251.5   RPD = 15
       Corrected Ave (3 peaks):   280.2       Corrected Ave (3 peaks):   239.7   RPD = 16

                     CalAmt %D:    16.4                    CalAmt %D:     0.6




 Total PCB Area Col1 (5.933 - 13.804) =     715283     Col1 Total PCB = 0.2 ppm*

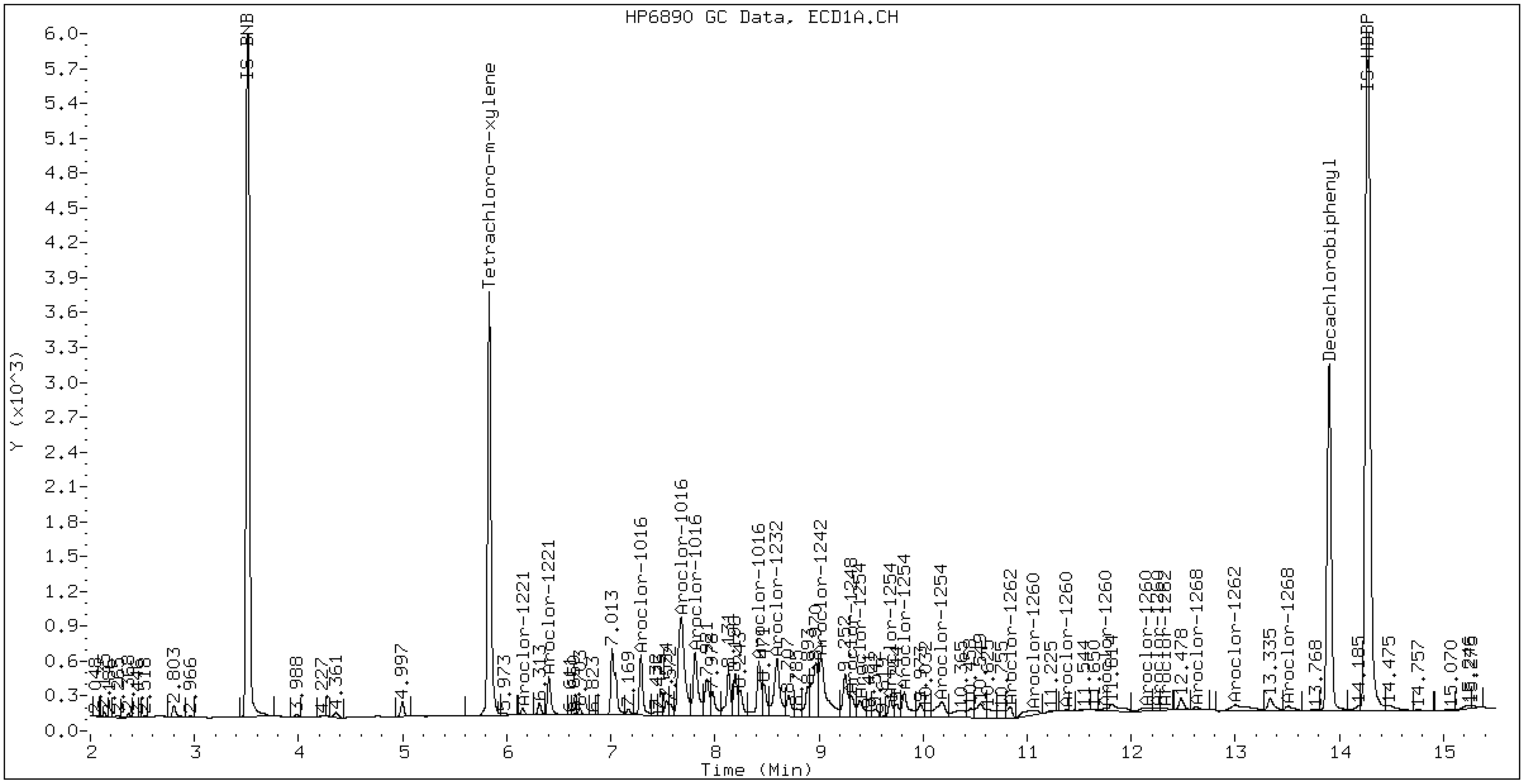
 Total PCB Area Col2 (5.810 - 14.028) =     360103     Col2 Total PCB = 0.2 ppm*

   *  Quantitated against AR1660 0.25ppm in Ical

                                        PCB-Form 10 Mod.
```

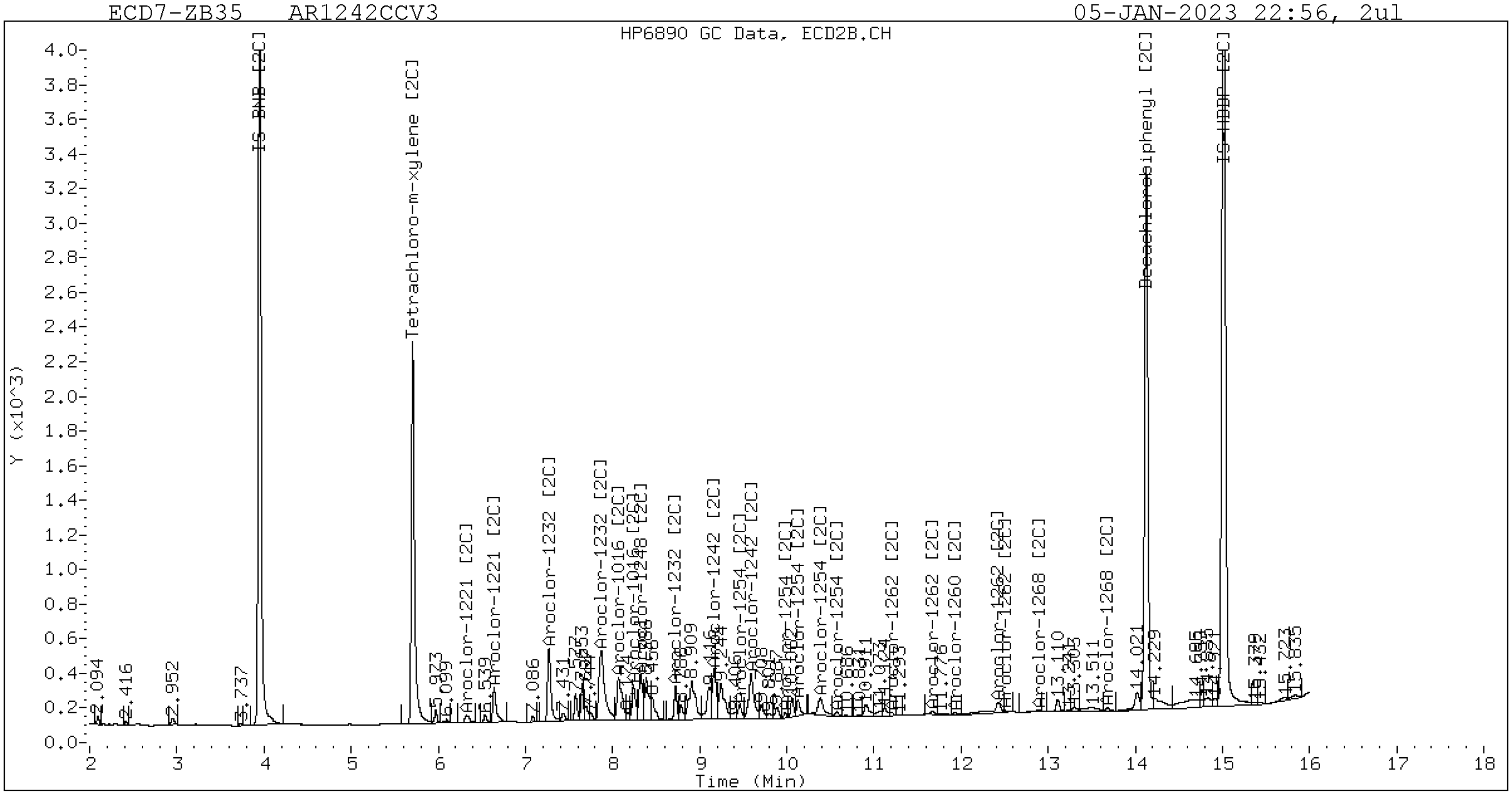
PCB Dual Column Chromatograms

ECD7-ZB5 AR1242CCV3 05-JAN-2023 22:56, 2ul



ZB-5 Manual Integration: NO

ECD7-ZB35 AR1242CCV3 05-JAN-2023 22:56, 2ul



ZB-35 Manual Integration: NO

CONTINUING CALIBRATION CHECK

EPA 8082A

Laboratory: Analytical Resources, LLC

SDG: 22L0307

Client: Anchor QEA, LLC

Project: AOC4 UR Phase 3

Instrument ID: ECD7

Calibration: FL00010

Lab File ID: 01052332ECD7.D

Calibration Date: 12/03/2022

Sequence: SLA0096

Injection Date: 01/05/23

Lab Sample ID: SLA0096-CCV4

Injection Time: 23:17

Sequence Name: AR1660CCV4

COMPOUND	TYPE	CONC. (ug/L)		RESPONSE FACTOR (RRF)			% DRIFT/DIFF	
		STD	CCV	ICAL	CCV	MIN	CCV	LIMIT
Aroclor 1016	A	250.00	261	0.0441939	0.0458625		4.3	+/-20
Aroclor-1016 (1)	A	250.00	263	0.0266860	0.0281223		5.2	
Aroclor-1016 (2)	A	250.00	255	0.0861572	0.0879929		2.0	
Aroclor-1016 (3)	A	250.00	266	0.0390425	0.0415352		6.4	
Aroclor-1016 (4)	A	250.00	259	0.0248899	0.0257998		3.6	
Aroclor 1016 [2C]	A	250.00	240	0.0467310	0.0422703		-3.9	+/-20
Aroclor-1016 (1) [2C]	A	250.00	253	0.0409030	0.0414171		1.2	
Aroclor-1016 (2) [2C]	A	250.00	196	0.0882154	0.0692220		-21.6	
Aroclor-1016 (3) [2C]	A	250.00	246	0.0378846	0.0372252		-1.6	
Aroclor-1016 (4) [2C]	A	250.00	266	0.0199212	0.0212170		6.4	
Aroclor 1260	A	250.00	342	0.0390342	0.0529682		36.6	+/-20 *
Aroclor-1260 (1)	A	250.00	351	0.0291201	0.0409381		40.4	
Aroclor-1260 (2)	A	250.00	344	0.0301181	0.0415128		37.6	
Aroclor-1260 (3)	A	250.00	337	0.0791351	0.1067779		34.8	
Aroclor-1260 (4)	A	250.00	326	0.0403003	0.0525313		30.4	
Aroclor-1260 (5)	A	250.00	350	0.0164974	0.0230812		40.0	
Aroclor 1260 [2C]	A	250.00	225	0.0617619	0.0512601		-10.0	+/-20
Aroclor-1260 (1) [2C]	A	250.00	259	0.0422283	0.0436993		3.6	
Aroclor-1260 (2) [2C]	A	250.00	179	0.1059643	0.0759951		-28.4	
Aroclor-1260 (3) [2C]	A	250.00	266	0.0282173	0.0299846		6.4	
Aroclor-1260 (4) [2C]	A	250.00	196	0.0706376	0.0553614		-21.6	
Decachlorobiphenyl	A	40.000	48.6	0.7333327	0.8906966		21.5	+/-20
Tetrachlorometaxylene	A	40.000	39.5	1.1336710	1.1189950		-1.3	+/-20
Decachlorobiphenyl [2C]	A	40.000	40.9	1.1358180	1.1621200		2.3	+/-20
Tetrachlorometaxylene [2C]	A	40.000	40.3	1.0966080	1.1047020		0.8	+/-20

* Values outside of QC limits

* Values outside of QC limits

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                              Analytical Resources Inc.
                         Dual Column 608/8082 PCB Quantitation Report

Data file 1: /230105.b/01052332ECD7.D                   ARI ID: AR1660CCV4
Data file 2: /230105.b/230105.b/01052332ECD7.D          Client ID:
Method: \\target\share\chem4\ecd7.i\230105.b\PCB.m      Injection Date: 05-JAN-2023 23:17
Compound Sublist: AR1660.sub                               Report Date: 01/10/2023 11:52
Instrument, Inj. Vol.: ecd7.i, 2ul                      Matrix: NONE
Quant Method: Internal Std                              Dilution Factor:  1.0



                                 SURROGATES

       ZB5 Col         |       ZB35 Col         |   ZB5    ZB35
  RT    Shift Response | RT    Shift  Response  |  on col  on col    RPD   Compound/Flag
========================================================================================

 5.832 -0.001   132282 | 5.708  -0.002    90738|   39.5    40.3      2.0    Tetrachloro-m-xylene
13.902 -0.002   180285 |14.128   0.000   150924|   48.6    40.9     17.1    Decachlorobiphenyl


*  Indicates RPD > 40%




                            INTERNAL STANDARD SUMMARY

                                        Column 1
                                 Standard    Sample
               Standard Cpnd       Area*       Area      %D
           --------------------------------------------------
             Bromo-Nitrobenzene    447645      236430  -47.2
             Hexabromobiphenyl     798898      404818  -49.3

                                        Column 2
                                 Standard    Sample
               Standard Cpnd       Area*       Area      %D
           --------------------------------------------------
             Bromo-Nitrobenzene    249094     164276   -34.1
             Hexabromobiphenyl     362541     259739   -28.4


            * Standard Areas taken from Initial Cal Level 3
              Initial Calibration Date: 03-DEC-2022
           <- Indicates standard response outside Limits (-50 to +100%)
```

```
//target/share/chem4/ecd7.i/230105.b/01052332ECD7.D      AR1660CCV4                          page 2
                             ZB5 Col                              ZB35 Col
 Aroclor   Peak#    RT    Shift    Area    Amount    Peak#   RT     Shift    Area   Amount
 =======================================================================================
 Aroclor-1016 1   7.289  -0.001     20778   263.5      1    7.271  -0.001    21262   253.1
 Aroclor-1016 2   7.677  -0.003     65013   255.3      2    7.871  -0.001    35536   196.2
 Aroclor-1016 3   7.811  -0.001     30688   266.0      3    8.070  -0.002    19110   245.6
 Aroclor-1016 4   8.423  -0.001     19062   259.1      4    8.241  -0.001    10892   266.3
       Total Col1Ave (4 peaks):   261.0       Total Col2Ave (4 peaks):   240.3   RPD = 8
       Corrected Ave (3 peaks):   259.3       Corrected Ave (3 peaks):   231.7   RPD = 11

                    CalAmt %D:     4.4                     CalAmt %D:    -3.9

 Aroclor-1260 1  11.055  -0.001     51789   351.5      1   11.662  -0.000    35470   258.7
 Aroclor-1260 2  11.371  -0.001     52516   344.6      2   11.925  -0.001    61684   179.3
 Aroclor-1260 3  11.745  -0.001    135080   337.3      3   12.444   0.000    24338   265.7
 Aroclor-1260 4  12.149  -0.001     66455   325.9      4   12.509   0.001    44936   195.9
 Aroclor-1260 5  12.254  -0.002     29199   349.8      NS    ---                      ----
       Total Col1Ave (5 peaks):   341.8       Total Col2Ave (4 peaks):   224.9   RPD = 41*
       Corrected Ave (4 peaks):   339.4       Corrected Ave (3 peaks):   211.3   RPD = 47*

                    CalAmt %D:    36.7                     CalAmt %D:   -10.0




 Total PCB Area Col1 (5.933 - 13.804) =    1407369     Col1 Total PCB = 0.6 ppm*

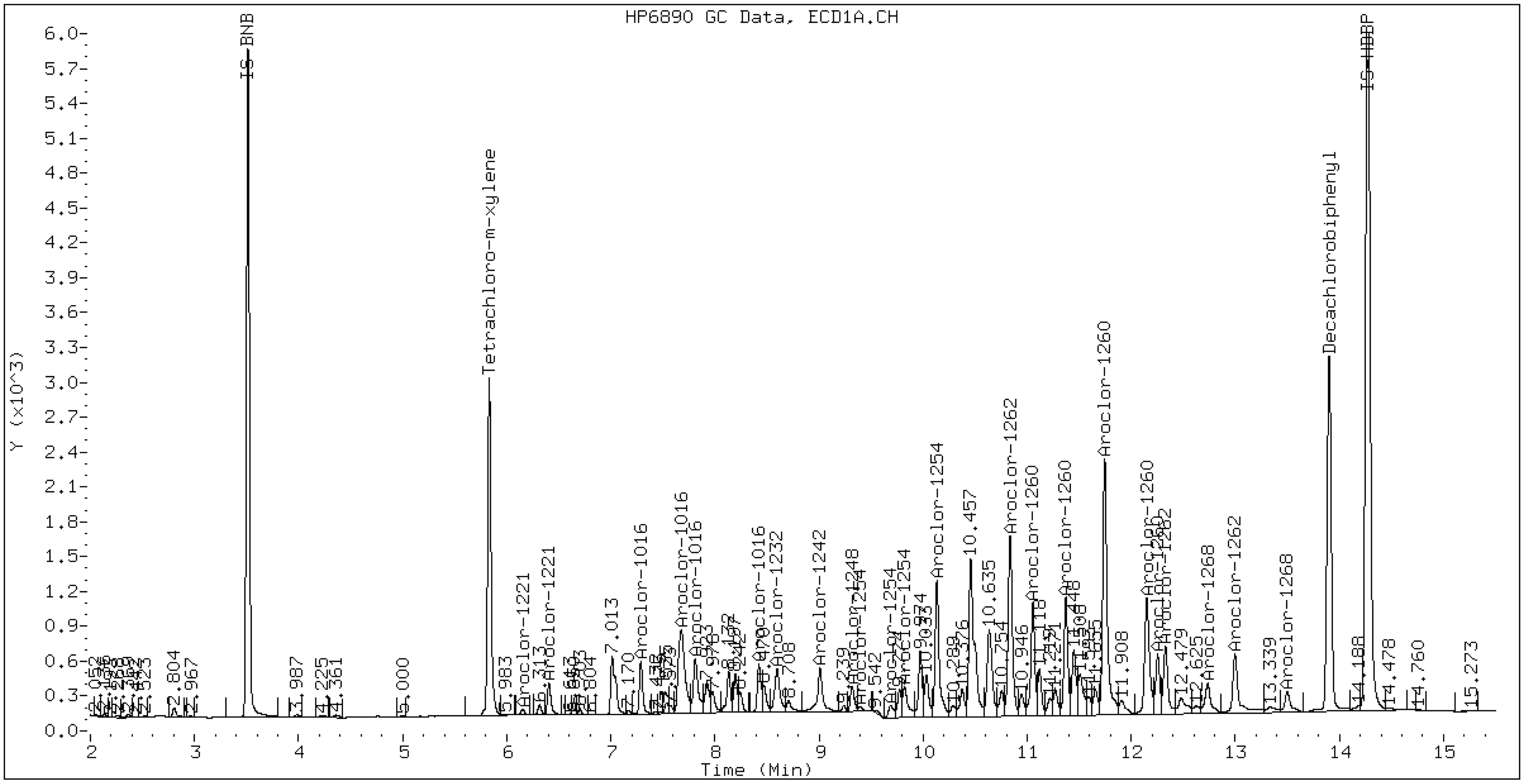
 Total PCB Area Col2 (5.810 - 14.028) =     760963     Col2 Total PCB = 0.5 ppm*


   *  Quantitated against AR1660 0.25ppm in Ical


                                    PCB-Form 10 Mod.
```

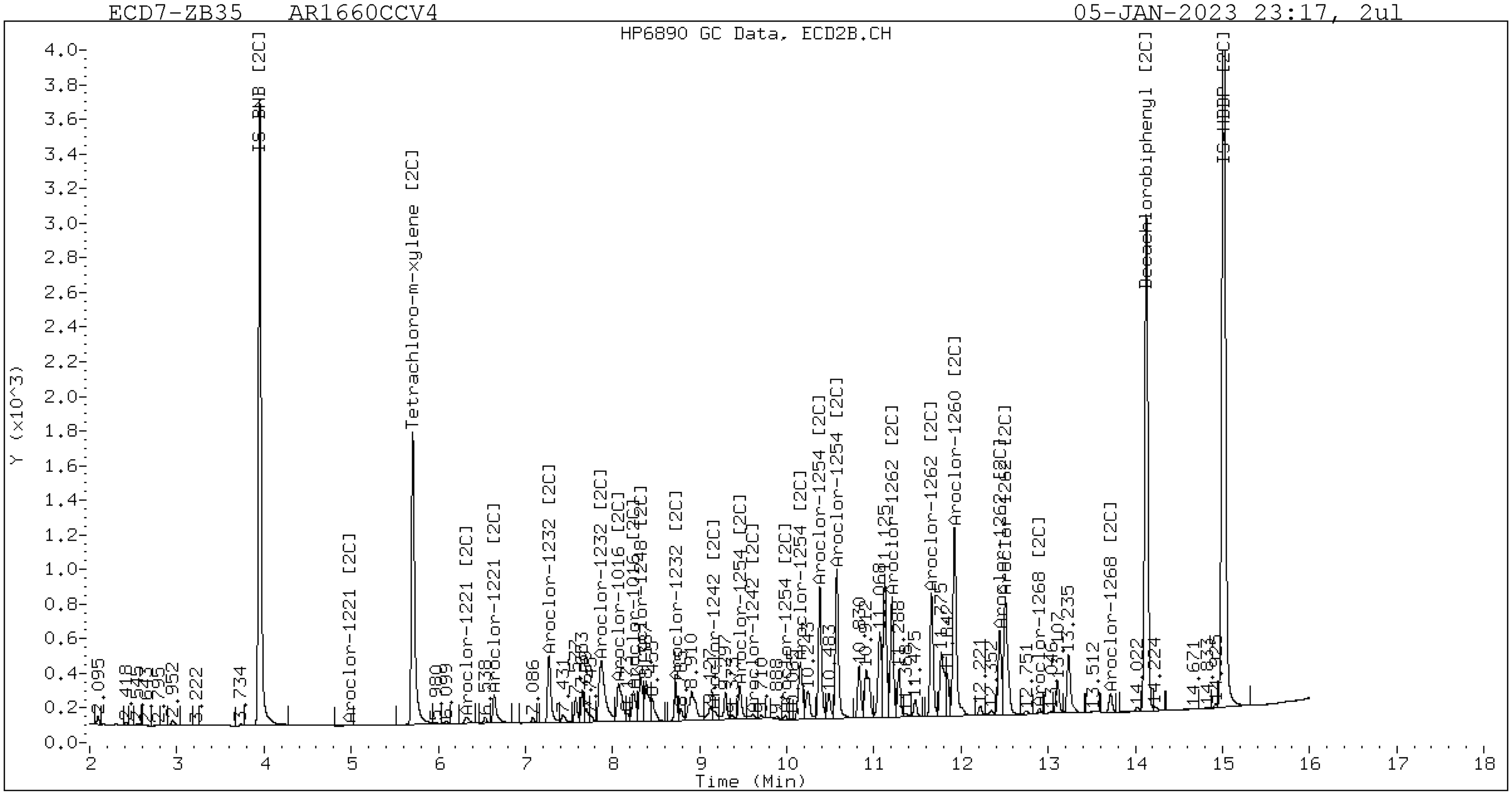
PCB Dual Column Chromatograms

ECD7-ZB5 AR1660CCV4 05-JAN-2023 23:17, 2ul



ZB-5 Manual Integration: NO

ECD7-ZB35 AR1660CCV4 05-JAN-2023 23:17, 2ul



ZB-35 Manual Integration: NO

CONTINUING CALIBRATION CHECK

EPA 8082A

Laboratory:	Analytical Resources, LLC	SDG:	22L0307
Client:	Anchor QEA, LLC	Project:	AOC4 UR Phase 3
Instrument ID:	ECD7	Calibration:	FL00010
Lab File ID:	01052349ECD7.D	Calibration Date:	12/03/2022
Sequence:	SLA0096	Injection Date:	01/06/23
Lab Sample ID:	SLA0096-CCV5	Injection Time:	05:15
Sequence Name:	AR1254CCV5		

		CONC. (ug/L)		RESPONSE FACTOR (RRF)			% DRIFT/DIFF	
COMPOUND	TYPE	STD	CCV	ICAL	CCV	MIN	CCV	LIMIT
Aroclor 1254	A	250.00	299	0.0576965	0.0689166		19.8	+/-20
Aroclor-1254 (1)	A	250.00	263		0.0742393			
Aroclor-1254 (2)	A	250.00	340		0.0372293			
Aroclor-1254 (3)	A	250.00	242		0.0431067			
Aroclor-1254 (4)	A	250.00	320		0.1109556			
Aroclor-1254 (5)	A	250.00	332		0.0790521			
Aroclor 1254 [2C]	A	250.00	252	0.0638047	0.0658787		1.0	+/-20
Aroclor-1254 (1) [2C]	A	250.00	254		0.0523894			
Aroclor-1254 (2) [2C]	A	250.00	168		0.0278433			
Aroclor-1254 (3) [2C]	A	250.00	232		0.0826549			
Aroclor-1254 (4) [2C]	A	250.00	305		0.1125192			
Aroclor-1254 (5) [2C]	A	250.00	303		0.0539865			
Decachlorobiphenyl	A	40.000	42.8	0.7333327	0.7844985		7.0	+/-20
Tetrachlorometaxylene	A	40.000	38.5	1.1336710	1.0912030		-3.8	+/-20
Decachlorobiphenyl [2C]	A	40.000	41.1	1.1358180	1.1663360		2.8	+/-20
Tetrachlorometaxylene [2C]	A	40.000	37.6	1.0966080	1.0314310		-6.0	+/-20

* Values outside of QC limits

```
                              Analytical Resources Inc.
                         Dual Column 608/8082 PCB Quantitation Report

 Data file 1: /230105.b/01052349ECD7.D                        ARI ID: AR1254CCV5
 Data file 2: /230105.b/230105.b/01052349ECD7.D               Client ID:
 Method: \\target\share\chem4\ecd7.i\230105.b\PCB.m           Injection Date: 06-JAN-2023 05:15
 Compound Sublist: AR1254.sub                                    Report Date: 01/10/2023 11:52
 Instrument, Inj. Vol.: ecd7.i, 2ul                           Matrix: NONE
 Quant Method: Internal Std                                   Dilution Factor:  1.0



                                   SURROGATES

        ZB5 Col          |        ZB35 Col         |   ZB5    ZB35
   RT    Shift Response | RT    Shift  Response   |  on col  on col    RPD   Compound/Flag
 ============================================================================================

  5.833 -0.000   180730 | 5.710  -0.000   115216|   38.5    37.6      2.3    Tetrachloro-m-xylene
 13.902 -0.002   331189 |14.128   0.001   241543|   42.8    41.1      4.1    Decachlorobiphenyl


*  Indicates RPD > 40%



                              INTERNAL STANDARD SUMMARY

                                          Column 1
                                   Standard    Sample
                  Standard Cpnd      Area*       Area      %D
               ------------------------------------------------
                 Bromo-Nitrobenzene    447645      331249  -26.0
                 Hexabromobiphenyl     798898      844333    5.7

                                          Column 2
                                   Standard    Sample
                  Standard Cpnd      Area*       Area      %D
               ------------------------------------------------
                 Bromo-Nitrobenzene    249094     223410   -10.3
                 Hexabromobiphenyl     362541     414191    14.2


                * Standard Areas taken from Initial Cal Level 3
                  Initial Calibration Date: 03-DEC-2022
               <- Indicates standard response outside Limits (-50 to +100%)
```

```
                              ZB5 Col                                 ZB35 Col
 Aroclor    Peak#    RT    Shift    Area    Amount    Peak#   RT     Shift    Area   Amount
 ==========================================================================================
 Aroclor-1254 1   9.315   0.002    76849   263.5      1    9.462   0.001    36576   253.9
 Aroclor-1254 2   9.394   0.002    38538   339.8      2    9.979   0.001    19439   167.9
 Aroclor-1254 3   9.687   0.002    44622   242.2      3   10.130   0.000    57706   231.8
 Aroclor-1254 4   9.821   0.002   114856   319.9      4   10.379   0.001    78556   304.7
 Aroclor-1254 5  10.177   0.002    81831   332.5      5   10.576   0.000    37691   303.1
       Total Col1Ave (5 peaks):   299.6       Total Col2Ave (5 peaks):   252.3   RPD = 17
       Corrected Ave (4 peaks):   289.5       Corrected Ave (4 peaks):   239.2   RPD = 19

                     CalAmt %D:    19.8                    CalAmt %D:     0.9




 Total PCB Area Col1 (5.933 - 13.804) =    1285342     Col1 Total PCB = 0.4 ppm*

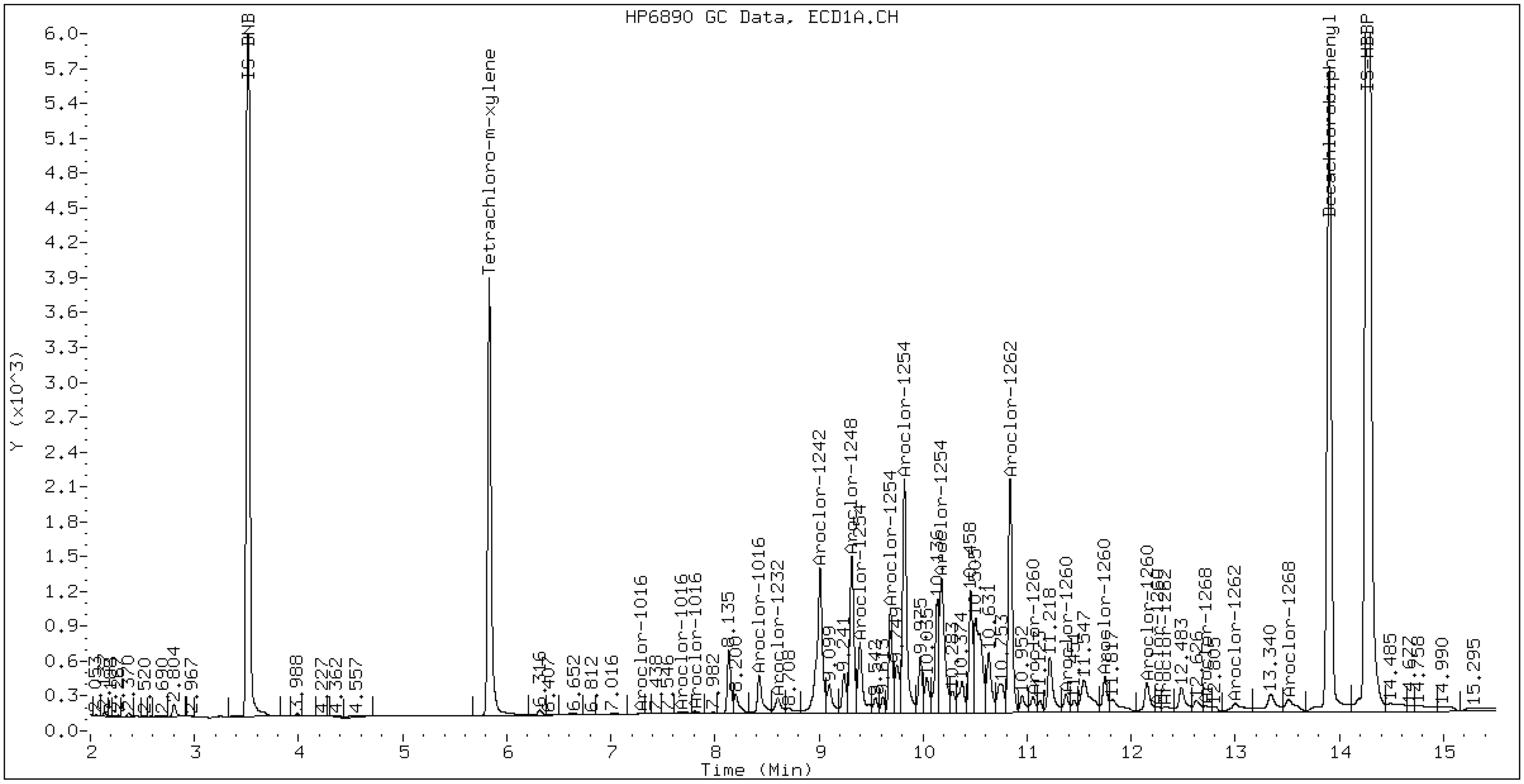
 Total PCB Area Col2 (5.810 - 14.028) =     674711     Col2 Total PCB = 0.3 ppm*


   *  Quantitated against AR1660 0.25ppm in Ical


                                        PCB-Form 10 Mod.
```

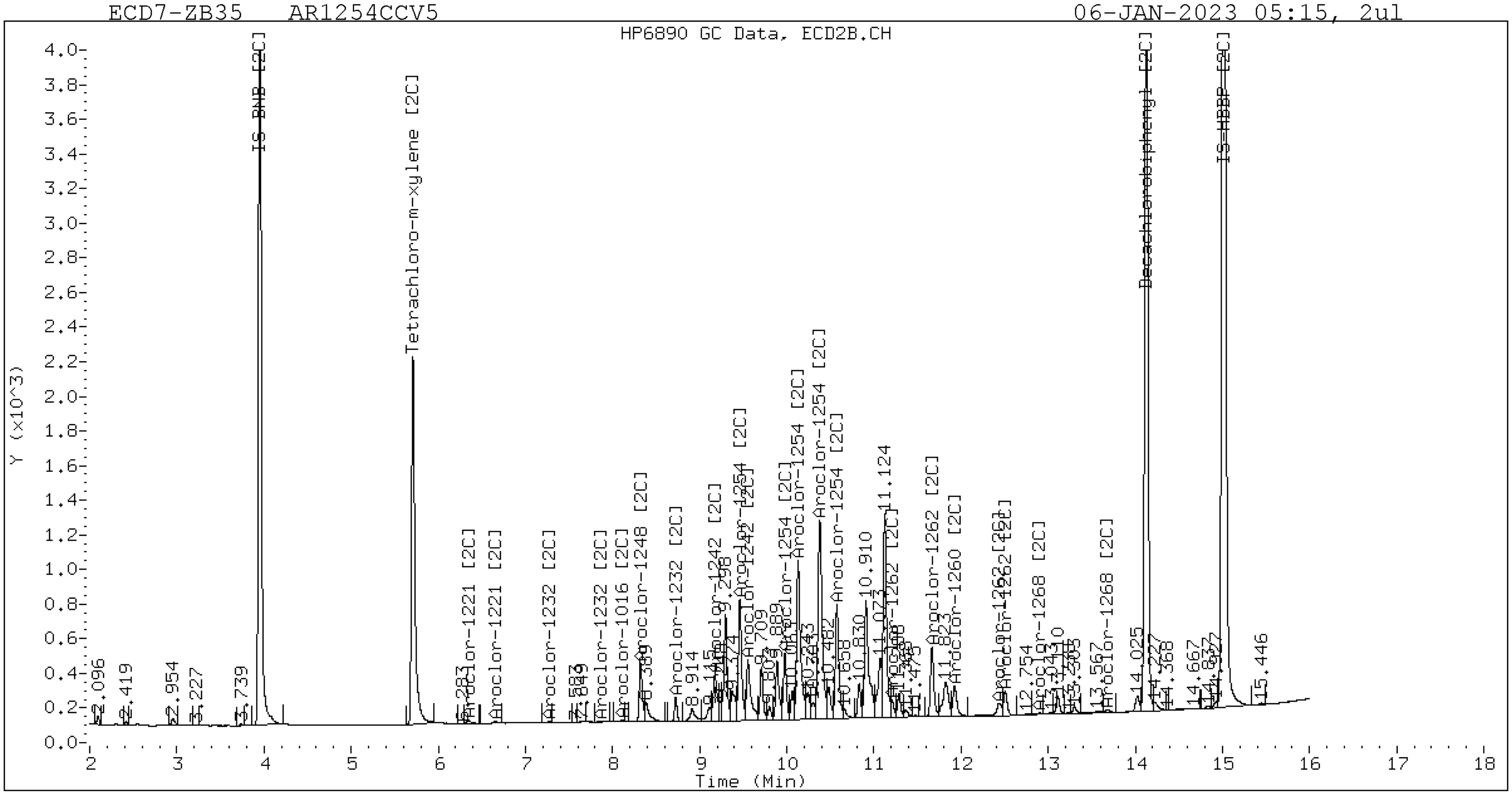
PCB Dual Column Chromatograms

ECD7-ZB5 AR1254CCV5 06-JAN-2023 05:15, 2ul



ZB-5 Manual Integration: NO

ECD7-ZB35 AR1254CCV5 06-JAN-2023 05:15, 2ul



ZB-35 Manual Integration: NO

CONTINUING CALIBRATION CHECK
EPA 8082A

Laboratory:	Analytical Resources, LLC	SDG:	22L0307
Client:	Anchor QEA, LLC	Project:	AOC4 UR Phase 3
Instrument ID:	ECD7	Calibration:	FL00010
Lab File ID:	01052350ECD7.D	Calibration Date:	12/03/2022
Sequence:	SLA0096	Injection Date:	01/06/23
Lab Sample ID:	SLA0096-CCV6	Injection Time:	05:36
Sequence Name:	AR1660CCV6		

COMPOUND	TYPE	CONC. (ug/L)		RESPONSE FACTOR (RRF)			% DRIFT/DIFF	
		STD	CCV	ICAL	CCV	MIN	CCV	LIMIT
Aroclor 1016	A	250.00	264	0.0441939	0.0465175		5.7	+/-20
Aroclor-1016 (1)	A	250.00	252	0.0266860	0.0268898		0.8	
Aroclor-1016 (2)	A	250.00	260	0.0861572	0.0894571		4.0	
Aroclor-1016 (3)	A	250.00	272	0.0390425	0.0425539		8.8	
Aroclor-1016 (4)	A	250.00	273	0.0248899	0.0271691		9.2	
Aroclor 1016 [2C]	A	250.00	244	0.0467310	0.0429987		-2.4	+/-20
Aroclor-1016 (1) [2C]	A	250.00	253	0.0409030	0.0413365		1.2	
Aroclor-1016 (2) [2C]	A	250.00	201	0.0882154	0.0709622		-19.6	
Aroclor-1016 (3) [2C]	A	250.00	252	0.0378846	0.0382123		0.8	
Aroclor-1016 (4) [2C]	A	250.00	270	0.0199212	0.0214840		8.0	
Aroclor 1260	A	250.00	268	0.0390342	0.0416223		7.2	+/-20
Aroclor-1260 (1)	A	250.00	267	0.0291201	0.0311438		6.8	
Aroclor-1260 (2)	A	250.00	266	0.0301181	0.0321159		6.4	
Aroclor-1260 (3)	A	250.00	267	0.0791351	0.0846476		6.8	
Aroclor-1260 (4)	A	250.00	258	0.0403003	0.0415749		3.2	
Aroclor-1260 (5)	A	250.00	282	0.0164974	0.0186292		12.8	
Aroclor 1260 [2C]	A	250.00	199	0.0617619	0.0448825		-20.5	+/-20 *
Aroclor-1260 (1) [2C]	A	250.00	232	0.0422283	0.0391729		-7.2	
Aroclor-1260 (2) [2C]	A	250.00	154	0.1059643	0.0654669		-38.4	
Aroclor-1260 (3) [2C]	A	250.00	239	0.0282173	0.0269576		-4.4	
Aroclor-1260 (4) [2C]	A	250.00	170	0.0706376	0.0479327		-32.0	
Decachlorobiphenyl	A	40.000	44.8	0.7333327	0.8222776		12.0	+/-20
Tetrachlorometaxylene	A	40.000	38.9	1.1336710	1.1014250		-2.8	+/-20
Decachlorobiphenyl [2C]	A	40.000	40.5	1.1358180	1.1510040		1.3	+/-20
Tetrachlorometaxylene [2C]	A	40.000	40.4	1.0966080	1.1081940		1.0	+/-20

* Values outside of QC limits

* Values outside of QC limits

```
                              Analytical Resources Inc.
                         Dual Column 608/8082 PCB Quantitation Report

Data file 1: /230105.b/01052350ECD7.D                   ARI ID: AR1660CCV6
Data file 2: /230105.b/230105.b/01052350ECD7.D          Client ID:
Method: \\target\share\chem4\ecd7.i\230105.b\PCB.m      Injection Date: 06-JAN-2023 05:36
Compound Sublist: AR1660.sub                               Report Date: 01/10/2023 11:52
Instrument, Inj. Vol.: ecd7.i, 2ul                      Matrix: NONE
Quant Method: Internal Std                              Dilution Factor:  1.0



                                 SURROGATES

       ZB5 Col          |       ZB35 Col          |   ZB5    ZB35
  RT    Shift Response | RT    Shift  Response  |  on col  on col    RPD   Compound/Flag
============================================================================================

  5.833 -0.000   136265 | 5.709  -0.001    92056|   38.9    40.4      3.9    Tetrachloro-m-xylene
 13.903 -0.001   259193 |14.128   0.001   186206|   44.9    40.5     10.1    Decachlorobiphenyl


*  Indicates RPD > 40%




                            INTERNAL STANDARD SUMMARY

                                        Column 1
                                 Standard    Sample
                 Standard Cpnd      Area*       Area      %D
             --------------------------------------------------
               Bromo-Nitrobenzene    447645      247434  -44.7
               Hexabromobiphenyl     798898      630427  -21.1

                                        Column 2
                                 Standard    Sample
                 Standard Cpnd      Area*       Area      %D
             --------------------------------------------------
               Bromo-Nitrobenzene    249094     166137   -33.3
               Hexabromobiphenyl     362541     323554   -10.8


              * Standard Areas taken from Initial Cal Level 3
                Initial Calibration Date: 03-DEC-2022
             <- Indicates standard response outside Limits (-50 to +100%)
```

```
                             ZB5 Col                                ZB35 Col
 Aroclor    Peak#    RT    Shift    Area    Amount    Peak#   RT     Shift    Area   Amount
 ===================================================================================
 Aroclor-1016 1   7.290   0.000     20792   251.9      1    7.271  -0.001    21461   252.6
 Aroclor-1016 2   7.678  -0.002     69171   259.6      2    7.874   0.002    36842   201.1
 Aroclor-1016 3   7.813   0.001     32904   272.5      3    8.071  -0.001    19839   252.2
 Aroclor-1016 4   8.424   0.000     21008   272.9      4    8.243   0.001    11154   269.6
       Total Col1Ave (4 peaks):   264.2       Total Col2Ave (4 peaks):   243.9   RPD = 8
       Corrected Ave (3 peaks):   261.3       Corrected Ave (3 peaks):   235.3   RPD = 10

                    CalAmt %D:     5.7                    CalAmt %D:    -2.4

 Aroclor-1260 1  11.056  -0.000     61356   267.4      1   11.663   0.000    39608   231.9
 Aroclor-1260 2  11.372   0.000     63271   266.6      2   11.925  -0.001    66194   154.5
 Aroclor-1260 3  11.746   0.000    166763   267.4      3   12.444   0.000    27257   238.8
 Aroclor-1260 4  12.151   0.000     81906   257.9      4   12.509   0.001    48465   169.6
 Aroclor-1260 5  12.255  -0.000     36701   282.3      NS    ---                      ----
       Total Col1Ave (5 peaks):   268.3       Total Col2Ave (4 peaks):   198.7   RPD = 30
       Corrected Ave (4 peaks):   264.8       Corrected Ave (3 peaks):   185.3   RPD = 35

                    CalAmt %D:     7.3                    CalAmt %D:   -20.5




 Total PCB Area Col1 (5.933 - 13.804) =    1689358     Col1 Total PCB = 0.7 ppm*

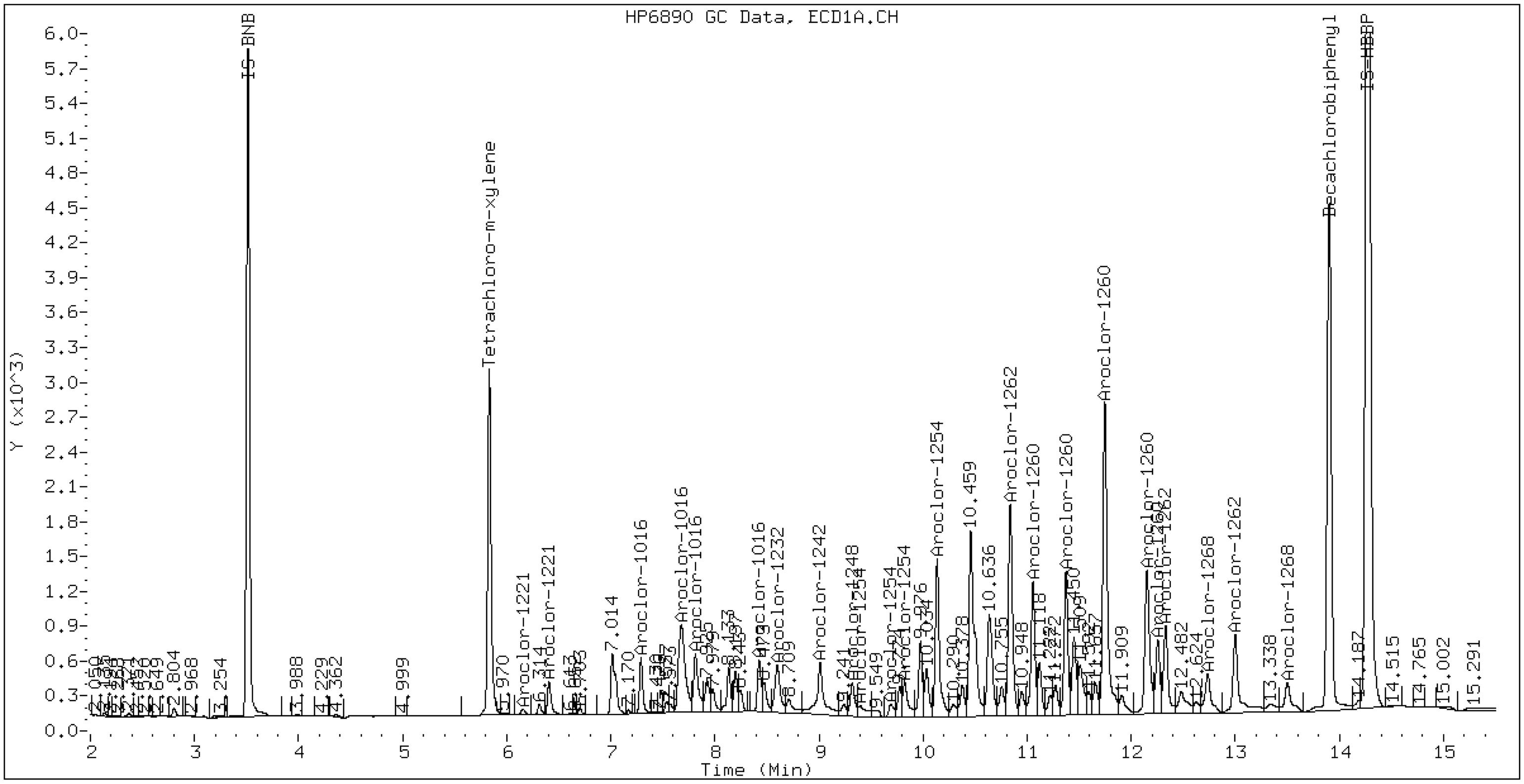
 Total PCB Area Col2 (5.810 - 14.028) =     829995     Col2 Total PCB = 0.5 ppm*


   *  Quantitated against AR1660 0.25ppm in Ical


                                    PCB-Form 10 Mod.
```

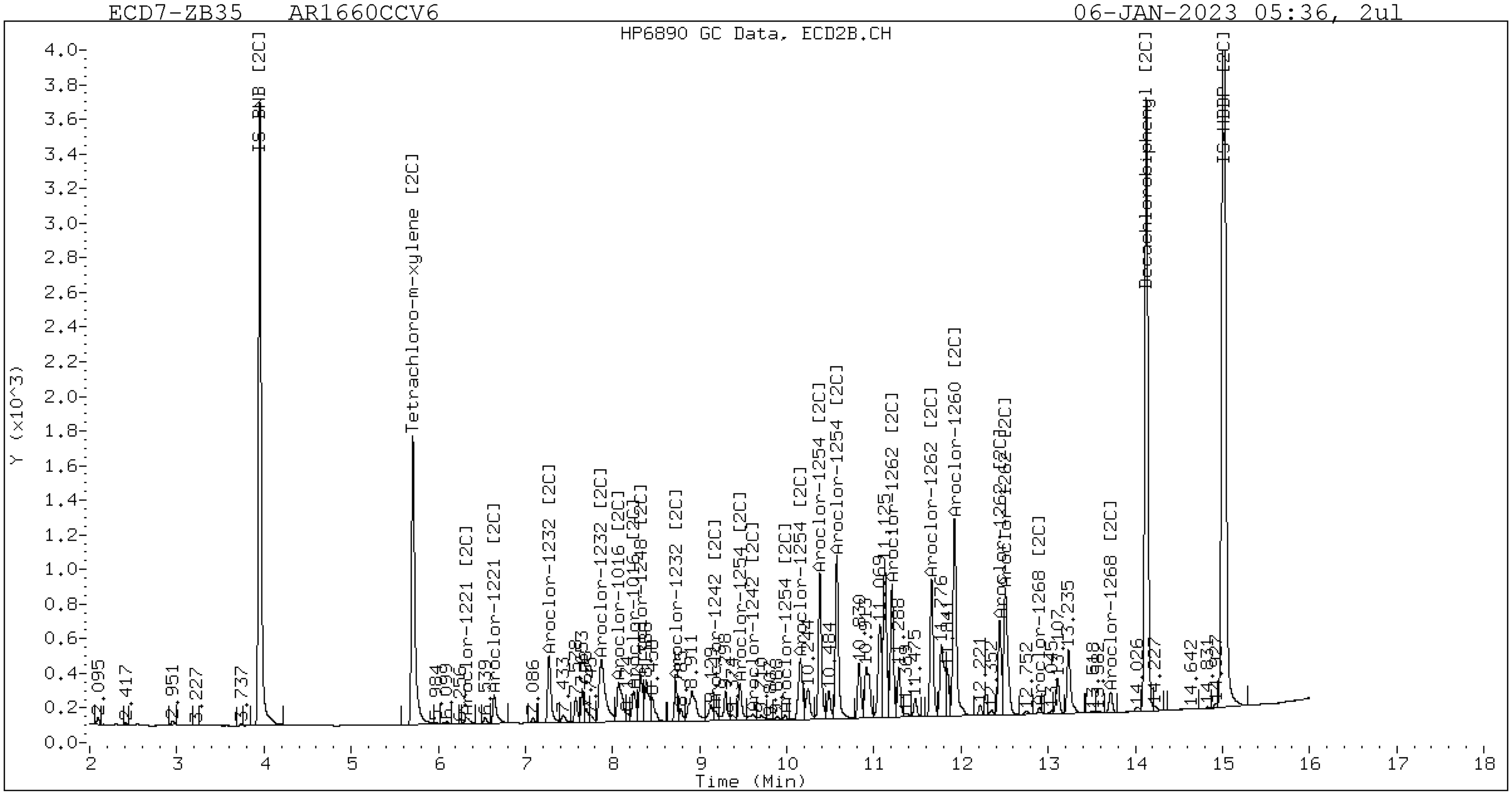
PCB Dual Column Chromatograms

ECD7-ZB5 AR1660CCV6 06-JAN-2023 05:36, 2ul



ZB-5 Manual Integration: NO

ECD7-ZB35 AR1660CCV6 06-JAN-2023 05:36, 2ul



ZB-35 Manual Integration: NO

CONTINUING CALIBRATION CHECK

EPA 8082A

Laboratory:	Analytical Resources, LLC	SDG:	22L0307
Client:	Anchor QEA, LLC	Project:	AOC4 UR Phase 3
Instrument ID:	ECD7	Calibration:	FL00010
Lab File ID:	01052361ECD7.D	Calibration Date:	12/03/2022
Sequence:	SLA0096	Injection Date:	01/06/23
Lab Sample ID:	SLA0096-CCV7	Injection Time:	09:28
Sequence Name:	AR1248CCV7		

		CONC. (ug/L)		RESPONSE FACTOR (RRF)			% DRIFT/DIFF	
COMPOUND	TYPE	STD	CCV	ICAL	CCV	MIN	CCV	LIMIT
Aroclor 1248	A	250.00	251	0.0490062	0.0505131		0.2	+/-20
Aroclor-1248 (1)	A	250.00	273		0.0375840			
Aroclor-1248 (2)	A	250.00	284		0.0499930			
Aroclor-1248 (3)	A	250.00	283		0.0894522			
Aroclor-1248 (4)	A	250.00	162		0.0250231			
Aroclor 1248 [2C]	A	250.00	240	0.0394876	0.0382044		-4.2	+/-20
Aroclor-1248 (1) [2C]	A	250.00	253		0.0331055			
Aroclor-1248 (2) [2C]	A	250.00	187		0.0256901			
Aroclor-1248 (3) [2C]	A	250.00	265		0.0442979			
Aroclor-1248 (4) [2C]	A	250.00	253		0.0497239			
Decachlorobiphenyl	A	40.000	43.7	0.7333327	0.8018235		9.3	+/-20
Tetrachlorometaxylene	A	40.000	36.6	1.1336710	1.0389380		-8.5	+/-20
Decachlorobiphenyl [2C]	A	40.000	40.6	1.1358180	1.1523420		1.5	+/-20
Tetrachlorometaxylene [2C]	A	40.000	38.1	1.0966080	1.0443940		-4.8	+/-20

* Values outside of QC limits

* Values outside of QC limits

```
                              Analytical Resources Inc.
                         Dual Column 608/8082 PCB Quantitation Report

 Data file 1: /230105.b/01052361ECD7.D                     ARI ID: AR1248CCV7
 Data file 2: /230105.b/230105.b/01052361ECD7.D            Client ID:
 Method: \\target\share\chem4\ecd7.i\230105.b\PCB.m        Injection Date: 06-JAN-2023 09:28
 Compound Sublist: AR1248.sub                                 Report Date: 01/10/2023 11:53
 Instrument, Inj. Vol.: ecd7.i, 2ul                        Matrix: NONE
 Quant Method: Internal Std                                Dilution Factor:  1.0



                                 SURROGATES

        ZB5 Col          |        ZB35 Col         |   ZB5    ZB35
   RT    Shift Response | RT    Shift  Response   |  on col  on col    RPD   Compound/Flag
 ==========================================================================================

  5.833 -0.000   159746 | 5.708  -0.002   113394|   36.7    38.1      3.8    Tetrachloro-m-xylene
 13.903 -0.001   147922 |14.127  -0.000   149986|   43.7    40.6      7.5    Decachlorobiphenyl


*  Indicates RPD > 40%



                            INTERNAL STANDARD SUMMARY

                                        Column 1
                                 Standard    Sample
                 Standard Cpnd       Area*       Area      %D
               --------------------------------------------------
                 Bromo-Nitrobenzene    447645      307518  -31.3
                 Hexabromobiphenyl     798898      368964  -53.8 <-

                                        Column 2
                                 Standard    Sample
                 Standard Cpnd       Area*       Area      %D
               --------------------------------------------------
                 Bromo-Nitrobenzene    249094     217148   -12.8
                 Hexabromobiphenyl     362541     260315   -28.2


                * Standard Areas taken from Initial Cal Level 3
                  Initial Calibration Date: 03-DEC-2022
               <- Indicates standard response outside Limits (-50 to +100%)
```

```
//target/share/chem4/ecd7.i/230105.b/01052361ECD7.D      AR1248CCV7                        page 2
                              ZB5 Col                                ZB35 Col
 Aroclor    Peak#    RT    Shift    Area    Amount    Peak#   RT     Shift    Area   Amount
 ===========================================================================================
 Aroclor-1248 1   8.423  -0.000     36118   273.2      1    8.321   0.000    22465   253.2
 Aroclor-1248 2   8.598  -0.001     48043   284.6      2    8.727   0.000    17433   186.8
 Aroclor-1248 3   9.017   0.001     85963   283.1      3    9.173   0.000    30060   264.9
 Aroclor-1248 4   9.312   0.000     24047   161.6      4    9.593   0.000    33742   253.3
       Total Col1Ave (4 peaks):   250.6       Total Col2Ave (4 peaks):   239.6   RPD = 5
       Corrected Ave (3 peaks):   239.3       Corrected Ave (3 peaks):   231.1   RPD = 3

                     CalAmt %D:     0.2                     CalAmt %D:    -4.2




 Total PCB Area Col1 (5.933 - 13.804) =     750323     Col1 Total PCB = 0.3 ppm*

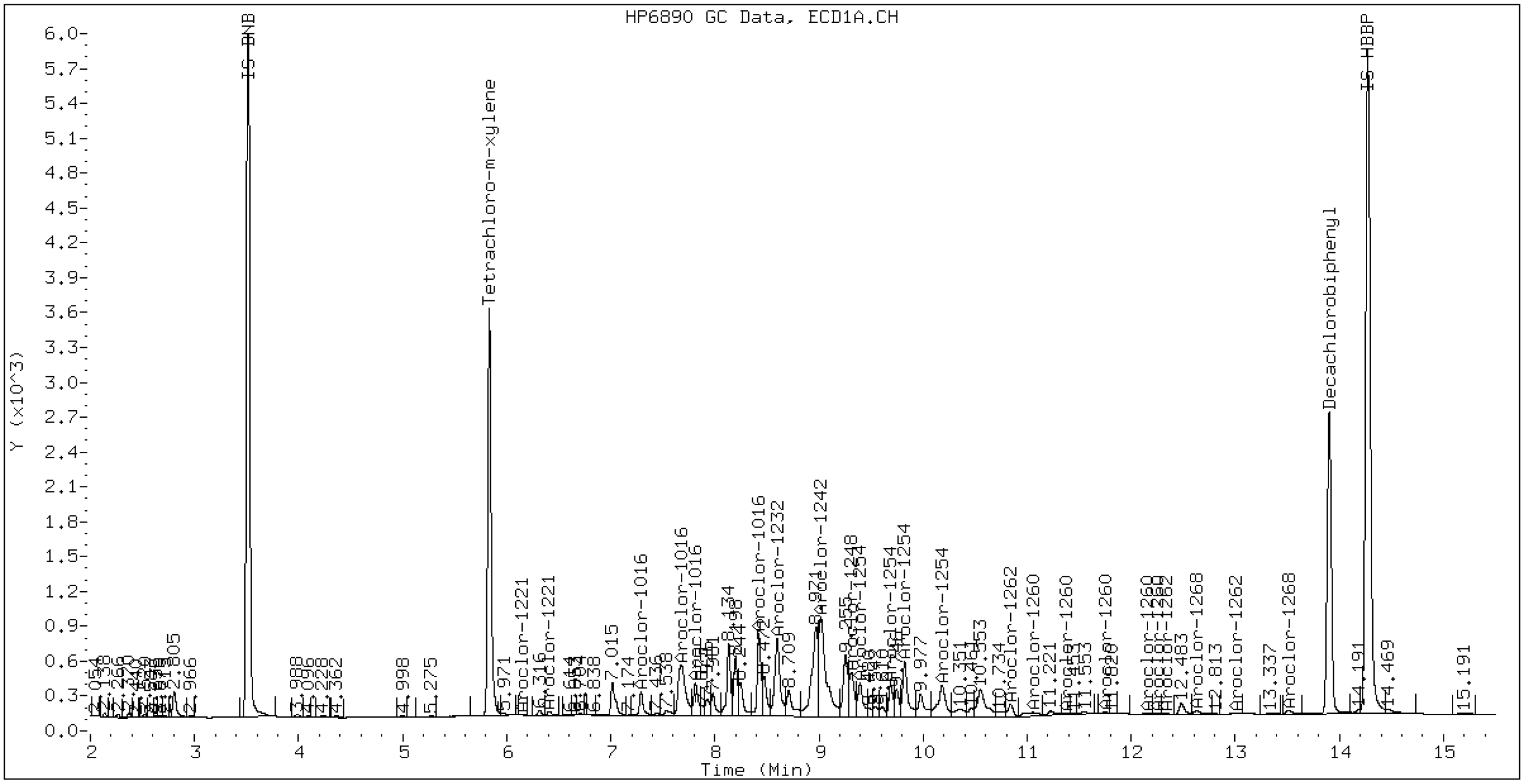
 Total PCB Area Col2 (5.810 - 14.028) =     414792     Col2 Total PCB = 0.2 ppm*


   *  Quantitated against AR1660 0.25ppm in Ical


                                        PCB-Form 10 Mod.
```

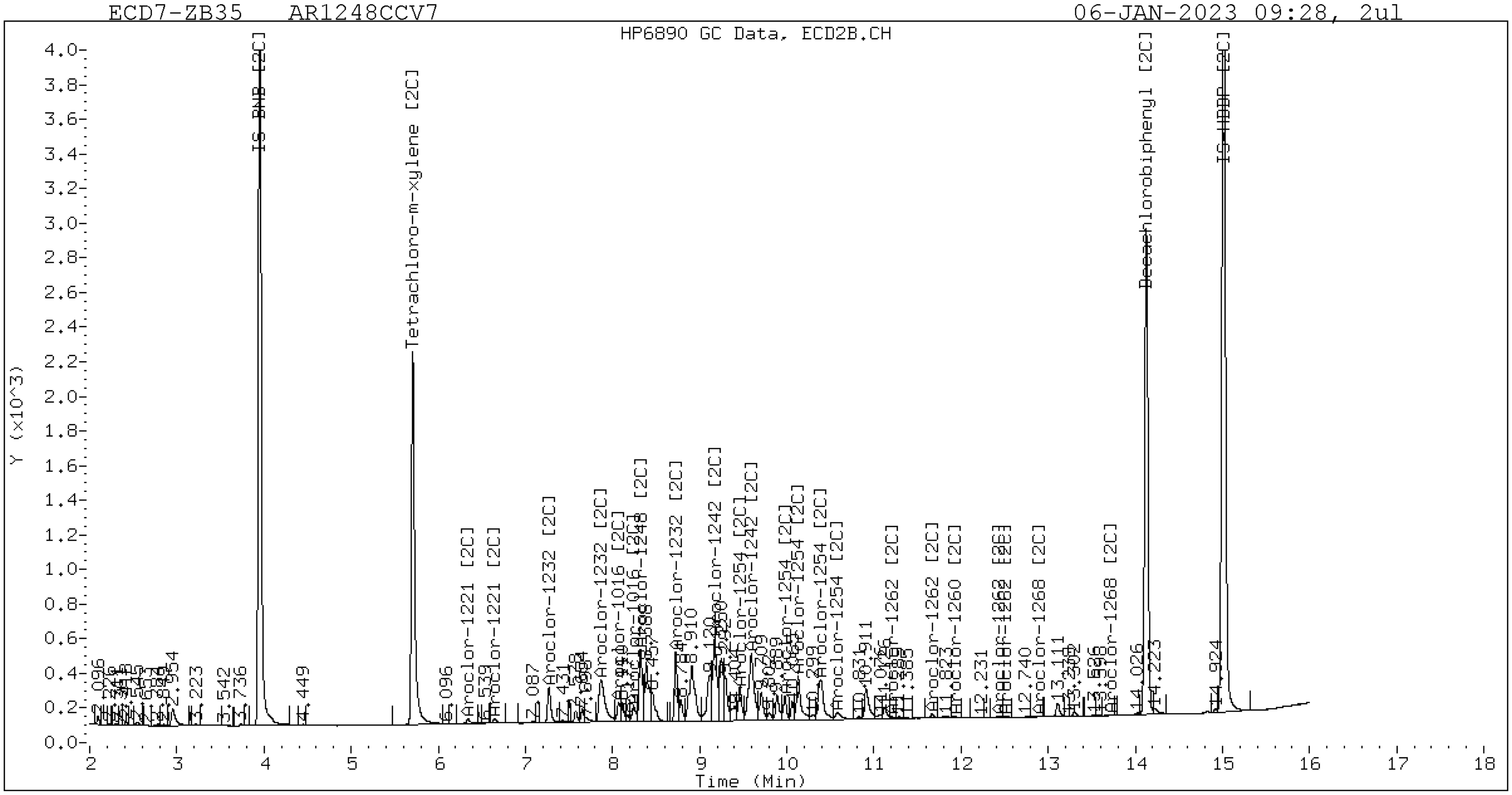
PCB Dual Column Chromatograms

ECD7-ZB5 AR1248CCV7 06-JAN-2023 09:28, 2ul



ZB-5 Manual Integration: NO

ECD7-ZB35 AR1248CCV7 06-JAN-2023 09:28, 2ul



ZB-35 Manual Integration: NO

CONTINUING CALIBRATION CHECK
EPA 8082A

Laboratory: Analytical Resources, LLC
SDG: 22L0307
Client: Anchor QEA, LLC
Project: AOC4 UR Phase 3
Instrument ID: ECD7
Calibration: FL00010
Lab File ID: 01052362ECD7.D
Calibration Date: 12/03/2022
Sequence: SLA0096
Injection Date: 01/06/23
Lab Sample ID: SLA0096-CCV8
Injection Time: 09:49
Sequence Name: AR1660CCV8

COMPOUND	TYPE	CONC. (ug/L)		RESPONSE FACTOR (RRF)			% DRIFT/DIFF	
		STD	CCV	ICAL	CCV	MIN	CCV	LIMIT
Aroclor 1016	A	250.00	305	0.0441939	0.0521115		22.1	+/-20 *
Aroclor-1016 (1)	A	250.00	292	0.0266860	0.0311495		16.8	
Aroclor-1016 (2)	A	250.00	277	0.0861572	0.0954073		10.8	
Aroclor-1016 (3)	A	250.00	300	0.0390425	0.0468589		20.0	
Aroclor-1016 (4)	A	250.00	352	0.0248899	0.0350304		40.8	
Aroclor 1016 [2C]	A	250.00	249	0.0467310	0.0436814		-0.6	+/-20
Aroclor-1016 (1) [2C]	A	250.00	259	0.0409030	0.0423757		3.6	
Aroclor-1016 (2) [2C]	A	250.00	202	0.0882154	0.0714483		-19.2	
Aroclor-1016 (3) [2C]	A	250.00	256	0.0378846	0.0388490		2.4	
Aroclor-1016 (4) [2C]	A	250.00	277	0.0199212	0.0220527		10.8	
Aroclor 1260	A	250.00	357	0.0390342	0.0551876		42.8	+/-20 *
Aroclor-1260 (1)	A	250.00	382	0.0291201	0.0445404		52.8	
Aroclor-1260 (2)	A	250.00	370	0.0301181	0.0445712		48.0	
Aroclor-1260 (3)	A	250.00	347	0.0791351	0.1099276		38.8	
Aroclor-1260 (4)	A	250.00	332	0.0403003	0.0535538		32.8	
Aroclor-1260 (5)	A	250.00	354	0.0164974	0.0233450		41.6	
Aroclor 1260 [2C]	A	250.00	249	0.0617619	0.0572203		-0.6	+/-20
Aroclor-1260 (1) [2C]	A	250.00	277	0.0422283	0.0468244		10.8	
Aroclor-1260 (2) [2C]	A	250.00	206	0.1059643	0.0871289		-17.6	
Aroclor-1260 (3) [2C]	A	250.00	291	0.0282173	0.0328305		16.4	
Aroclor-1260 (4) [2C]	A	250.00	220	0.0706376	0.0620974		-12.0	
Decachlorobiphenyl	A	40.000	45.3	0.7333327	0.8314108		13.3	+/-20
Tetrachlorometaxylene	A	40.000	39.2	1.1336710	1.1099130		-2.0	+/-20
Decachlorobiphenyl [2C]	A	40.000	41.6	1.1358180	1.1808740		4.0	+/-20
Tetrachlorometaxylene [2C]	A	40.000	40.3	1.0966080	1.1044110		0.8	+/-20

* Values outside of QC limits

* Values outside of QC limits

```
                                 Analytical Resources Inc.
                           Dual Column 608/8082 PCB Quantitation Report

 Data file 1: /230105.b/01052362ECD7.D                    ARI ID: AR1660CCV8
 Data file 2: /230105.b/230105.b/01052362ECD7.D           Client ID:
 Method: \\target\share\chem4\ecd7.i\230105.b\PCB.m       Injection Date: 06-JAN-2023 09:49
 Compound Sublist: AR1660.sub                                Report Date: 01/10/2023 11:53
 Instrument, Inj. Vol.: ecd7.i, 2ul                       Matrix: NONE
 Quant Method: Internal Std                               Dilution Factor:  1.0



                                    SURROGATES

        ZB5 Col          |        ZB35 Col         |   ZB5    ZB35
   RT    Shift Response  | RT    Shift  Response   |  on col  on col    RPD   Compound/Flag
 ============================================================================================

  5.831 -0.002   121399 | 5.708  -0.002    83975|   39.2    40.3      2.8    Tetrachloro-m-xylene
 13.902 -0.002   138496 |14.127  -0.001   128521|   45.3    41.6      8.7    Decachlorobiphenyl


*  Indicates RPD > 40%




                               INTERNAL STANDARD SUMMARY

                                           Column 1
                                    Standard    Sample
                  Standard Cpnd       Area*       Area      %D
               --------------------------------------------------
                 Bromo-Nitrobenzene    447645      218754  -51.1 <-
                 Hexabromobiphenyl     798898      333159  -58.3 <-

                                           Column 2
                                    Standard    Sample
                  Standard Cpnd       Area*       Area      %D
               --------------------------------------------------
                 Bromo-Nitrobenzene    249094     152072   -38.9
                 Hexabromobiphenyl     362541     217671   -40.0


                * Standard Areas taken from Initial Cal Level 3
                  Initial Calibration Date: 03-DEC-2022
               <- Indicates standard response outside Limits (-50 to +100%)
```

```
                             ZB5 Col                                ZB35 Col
Aroclor   Peak#    RT    Shift    Area    Amount    Peak#   RT     Shift    Area   Amount
=========================================================================================
Aroclor-1016 1   7.289  -0.001     21294   291.8      1    7.272  -0.000    20138   259.0
Aroclor-1016 2   7.677  -0.003     65221   276.8      2    7.872  -0.001    33954   202.5
Aroclor-1016 3   7.812  -0.000     32033   300.1      3    8.071  -0.000    18462   256.4
Aroclor-1016 4   8.424  -0.000     23947   351.9      4    8.243   0.000    10480   276.7
      Total Col1Ave (4 peaks):   305.1       Total Col2Ave (4 peaks):   248.6   RPD = 20
      Corrected Ave (3 peaks):   289.6       Corrected Ave (3 peaks):   239.3   RPD = 19

                   CalAmt %D:    22.1                     CalAmt %D:    -0.5

Aroclor-1260 1  11.056   0.000     46372   382.4      1   11.662  -0.000    31851   277.2
Aroclor-1260 2  11.372   0.000     46404   370.0      2   11.925  -0.001    59267   205.6
Aroclor-1260 3  11.746   0.000    114448   347.3      3   12.443   0.000    22332   290.9
Aroclor-1260 4  12.150  -0.000     55756   332.2      4   12.508   0.000    42240   219.8
Aroclor-1260 5  12.255  -0.001     24305   353.8      NS    ---                      ----
      Total Col1Ave (5 peaks):   357.1       Total Col2Ave (4 peaks):   248.4   RPD = 36
      Corrected Ave (4 peaks):   350.8       Corrected Ave (3 peaks):   234.2   RPD = 40

                   CalAmt %D:    42.8                     CalAmt %D:    -0.7




Total PCB Area Col1 (5.933 - 13.804) =    1362111     Col1 Total PCB = 0.7 ppm*

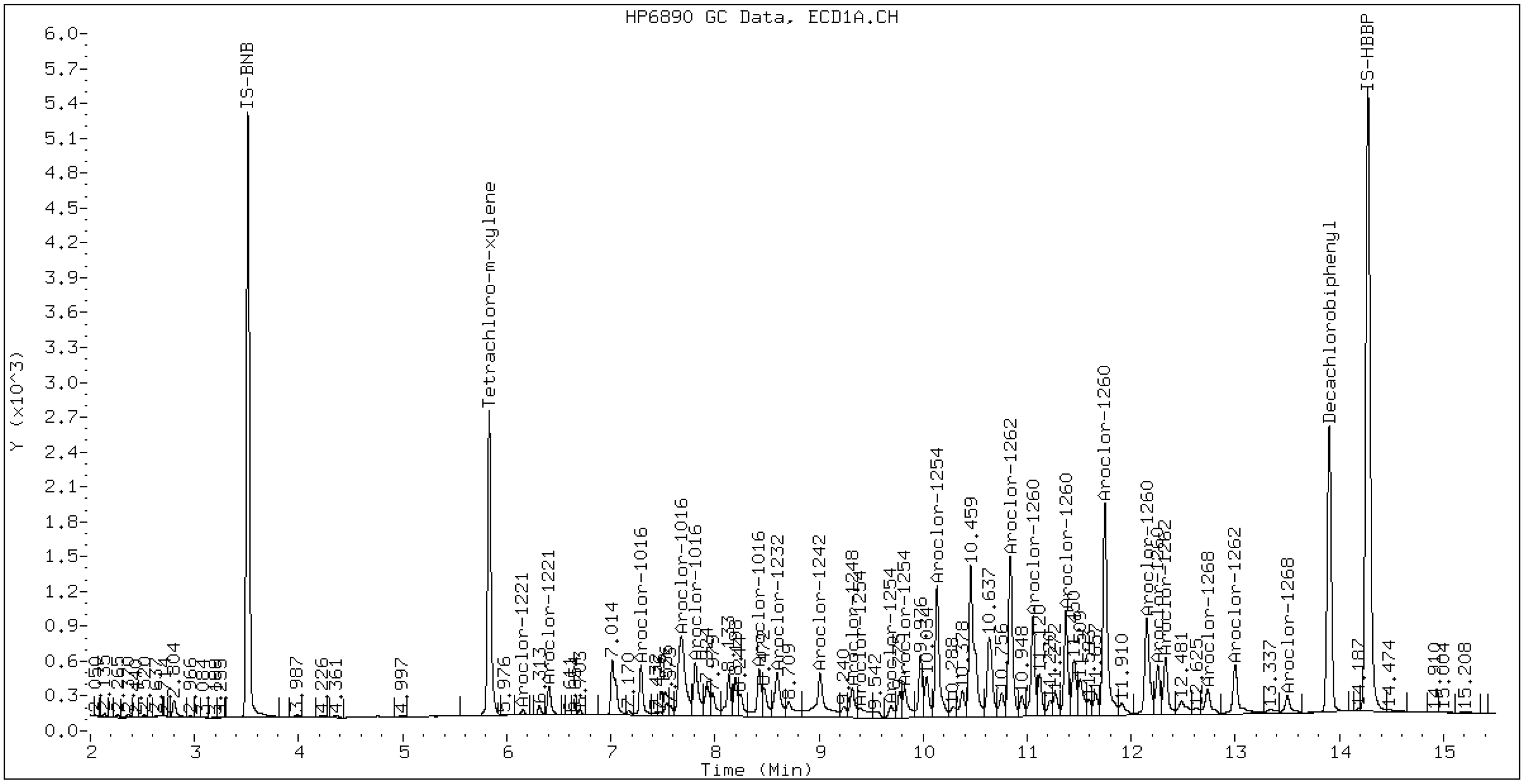
Total PCB Area Col2 (5.810 - 14.028) =     716935     Col2 Total PCB = 0.5 ppm*


  *  Quantitated against AR1660 0.25ppm in Ical
```

PCB-Form 10 Mod.

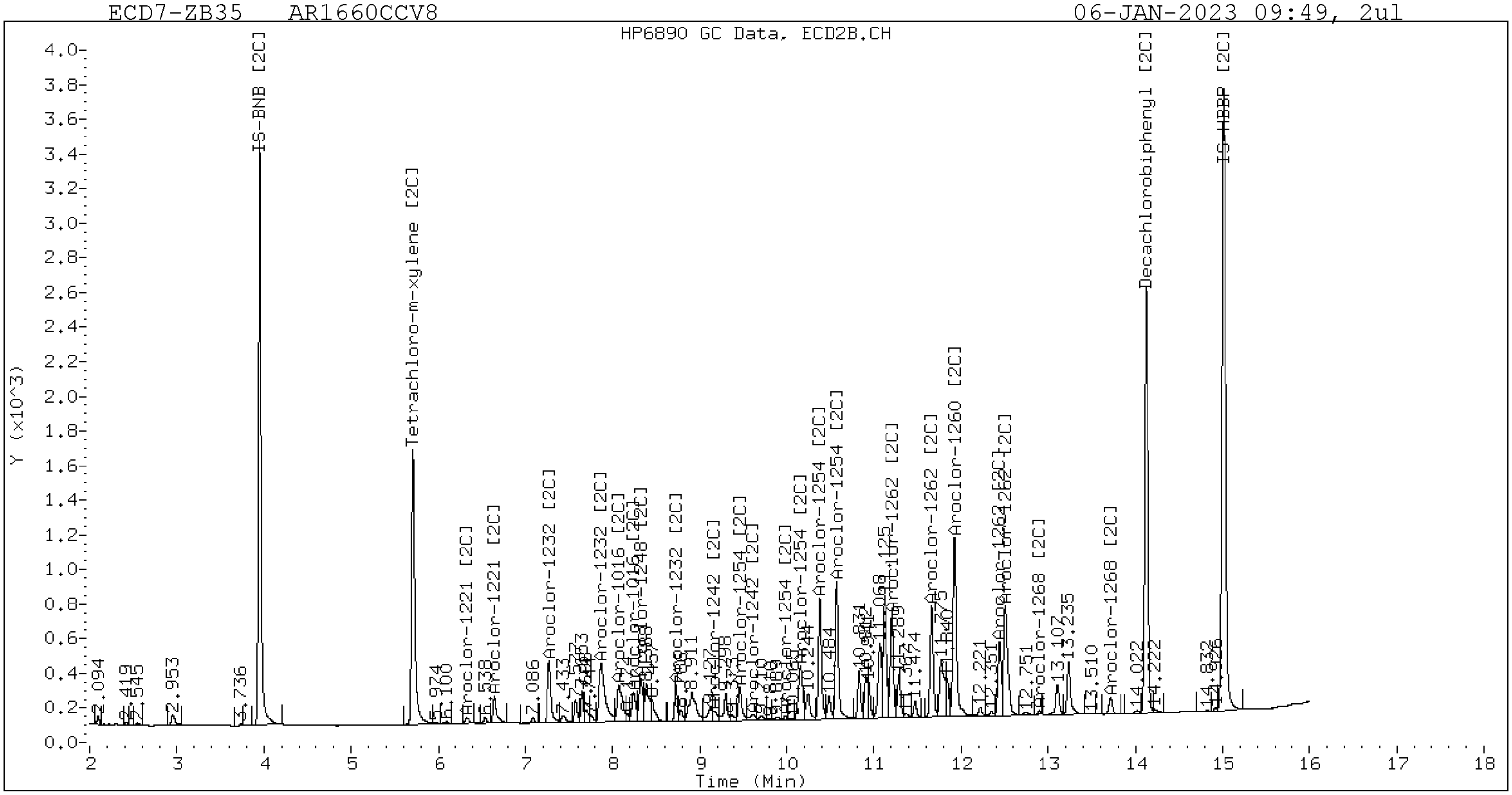
PCB Dual Column Chromatograms

ECD7-ZB5 AR1660CCV8 06-JAN-2023 09:49, 2ul



ZB-5 Manual Integration: NO

ECD7-ZB35 AR1660CCV8 06-JAN-2023 09:49, 2ul



ZB-35 Manual Integration: NO

CONTINUING CALIBRATION CHECK
EPA 8082A

Laboratory:	Analytical Resources, LLC	SDG:	22L0307
Client:	Anchor QEA, LLC	Project:	AOC4 UR Phase 3
Instrument ID:	ECD7	Calibration:	FL00010
Lab File ID:	01052372ECD7.D	Calibration Date:	12/03/2022
Sequence:	SLA0096	Injection Date:	01/06/23
Lab Sample ID:	SLA0096-CCV9	Injection Time:	13:19
Sequence Name:	AR1242CCV9		

COMPOUND	TYPE	CONC. (ug/L)		RESPONSE FACTOR (RRF)			% DRIFT/DIFF		
		STD	CCV	ICAL	CCV	MIN	CCV	LIMIT	
Aroclor 1242	A	250.00	326	0.0396000	0.0495541		30.3	+/-20	*
Aroclor-1242 (1)	A	250.00	318		0.0288118				
Aroclor-1242 (2)	A	250.00	281		0.0810592				
Aroclor-1242 (3)	A	250.00	368		0.0304877				
Aroclor-1242 (4)	A	250.00	336		0.0578576				
Aroclor 1242 [2C]	A	250.00	261	0.0391981	0.0379342		4.2	+/-20	
Aroclor-1242 (1) [2C]	A	250.00	257		0.0348656				
Aroclor-1242 (2) [2C]	A	250.00	197		0.0567495				
Aroclor-1242 (3) [2C]	A	250.00	291		0.0270117				
Aroclor-1242 (4) [2C]	A	250.00	297		0.0331101				
Decachlorobiphenyl	A	40.000	46.6	0.7333327	0.8546401		16.5	+/-20	
Tetrachlorometaxylene	A	40.000	38.7	1.1336710	1.0979570		-3.3	+/-20	
Decachlorobiphenyl [2C]	A	40.000	39.3	1.1358180	1.1169180		-1.8	+/-20	
Tetrachlorometaxylene [2C]	A	40.000	37.6	1.0966080	1.0304530		-6.0	+/-20	

* Values outside of QC limits

* Values outside of QC limits

```
                         Analytical Resources Inc.
                    Dual Column 608/8082 PCB Quantitation Report

Data file 1: /230105.b/01052372ECD7.D                        ARI ID: AR1242CCV9
Data file 2: /230105.b/230105.b/01052372ECD7.D               Client ID:
Method: \\target\share\chem4\ecd7.i\230105.b\PCB.m           Injection Date: 06-JAN-2023 13:19
Compound Sublist: AR1242.sub                                    Report Date: 01/10/2023 11:53
Instrument, Inj. Vol.: ecd7.i, 2ul                           Matrix: NONE
Quant Method: Internal Std                                   Dilution Factor:  1.0



                                 SURROGATES

       ZB5 Col         |       ZB35 Col         |   ZB5    ZB35
  RT    Shift Response | RT    Shift  Response  |  on col  on col    RPD   Compound/Flag
============================================================================================

 5.832 -0.001   165931 | 5.708  -0.001   108195|   38.7    37.6      3.0    Tetrachloro-m-xylene
13.901 -0.002   244886 |14.127  -0.000   180408|   46.6    39.3     16.9    Decachlorobiphenyl


*  Indicates RPD > 40%




                            INTERNAL STANDARD SUMMARY

                                        Column 1
                                 Standard    Sample
                  Standard Cpnd       Area*       Area      %D
               --------------------------------------------------
                 Bromo-Nitrobenzene    447645      302254  -32.5
                 Hexabromobiphenyl     798898      573074  -28.3

                                        Column 2
                                 Standard    Sample
                  Standard Cpnd       Area*       Area      %D
               --------------------------------------------------
                 Bromo-Nitrobenzene    249094     209995   -15.7
                 Hexabromobiphenyl     362541     323046   -10.9


                * Standard Areas taken from Initial Cal Level 3
                  Initial Calibration Date: 03-DEC-2022
               <- Indicates standard response outside Limits (-50 to +100%)
```

```
//target/share/chem4/ecd7.i/230105.b/01052372ECD7.D      AR1242CCV9                    page 2
                            ZB5 Col                                 ZB35 Col
 Aroclor    Peak#    RT    Shift    Area    Amount    Peak#   RT     Shift    Area   Amount
 ========================================================================================
 Aroclor-1242 1   7.289  -0.005     27214   317.7      1    7.272   0.001    22880   257.4
 Aroclor-1242 2   7.677  -0.008     76564   281.5      2    7.871   0.001    37241   197.4
 Aroclor-1242 3   8.423  -0.007     28797   367.9      3    9.170  -0.002    17726   291.2
 Aroclor-1242 4   9.022  -0.009     54649   336.3      4    9.591  -0.001    21728   297.0
       Total Col1Ave (4 peaks):   325.8       Total Col2Ave (4 peaks):   260.8   RPD = 22
       Corrected Ave (3 peaks):   311.8       Corrected Ave (3 peaks):   248.7   RPD = 23

                     CalAmt %D:    30.3                    CalAmt %D:     4.3




 Total PCB Area Col1 (5.933 - 13.804) =     946282     Col1 Total PCB = 0.3 ppm*

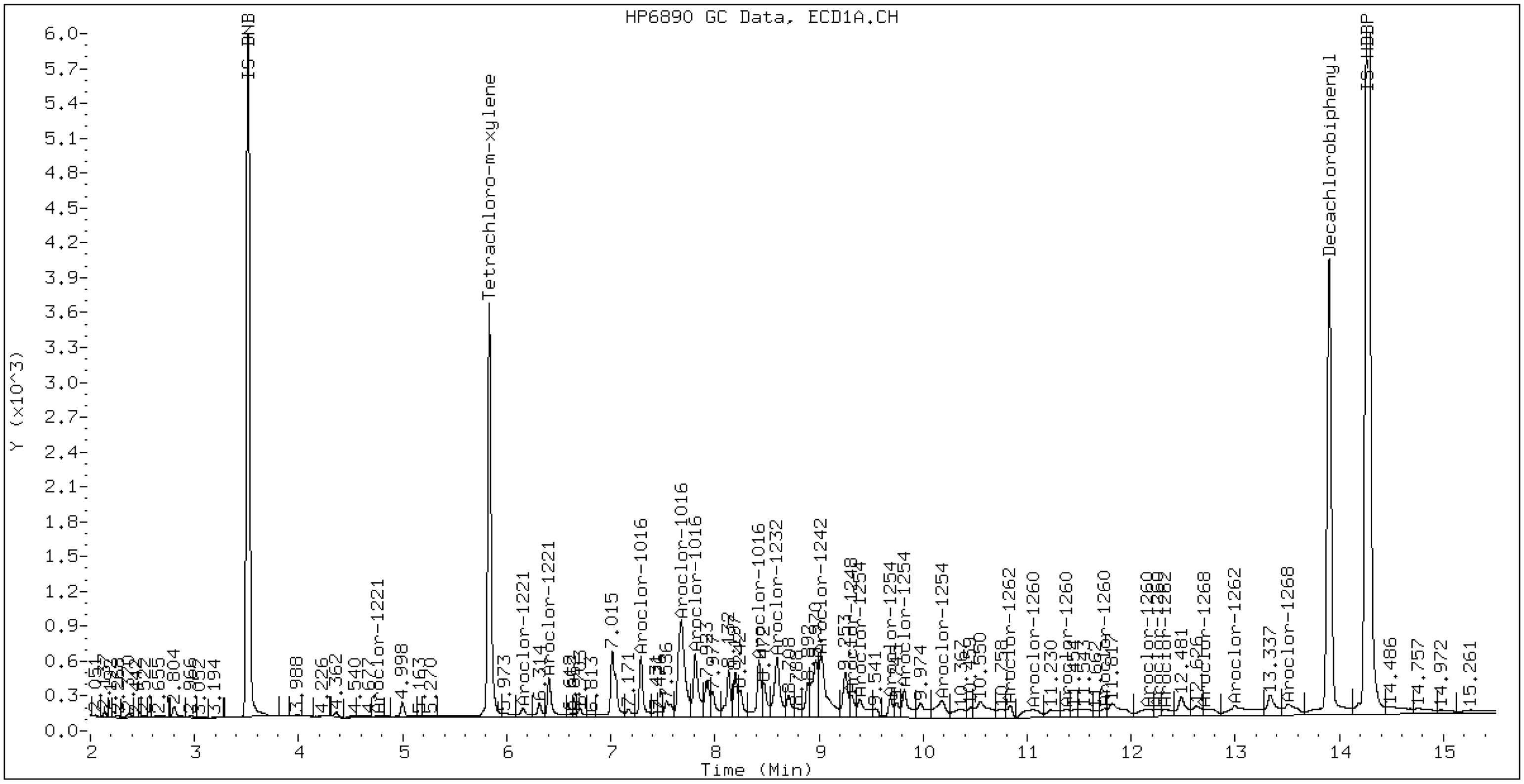
 Total PCB Area Col2 (5.810 - 14.028) =     360229     Col2 Total PCB = 0.2 ppm*

   *  Quantitated against AR1660 0.25ppm in Ical

                                        PCB-Form 10 Mod.
```

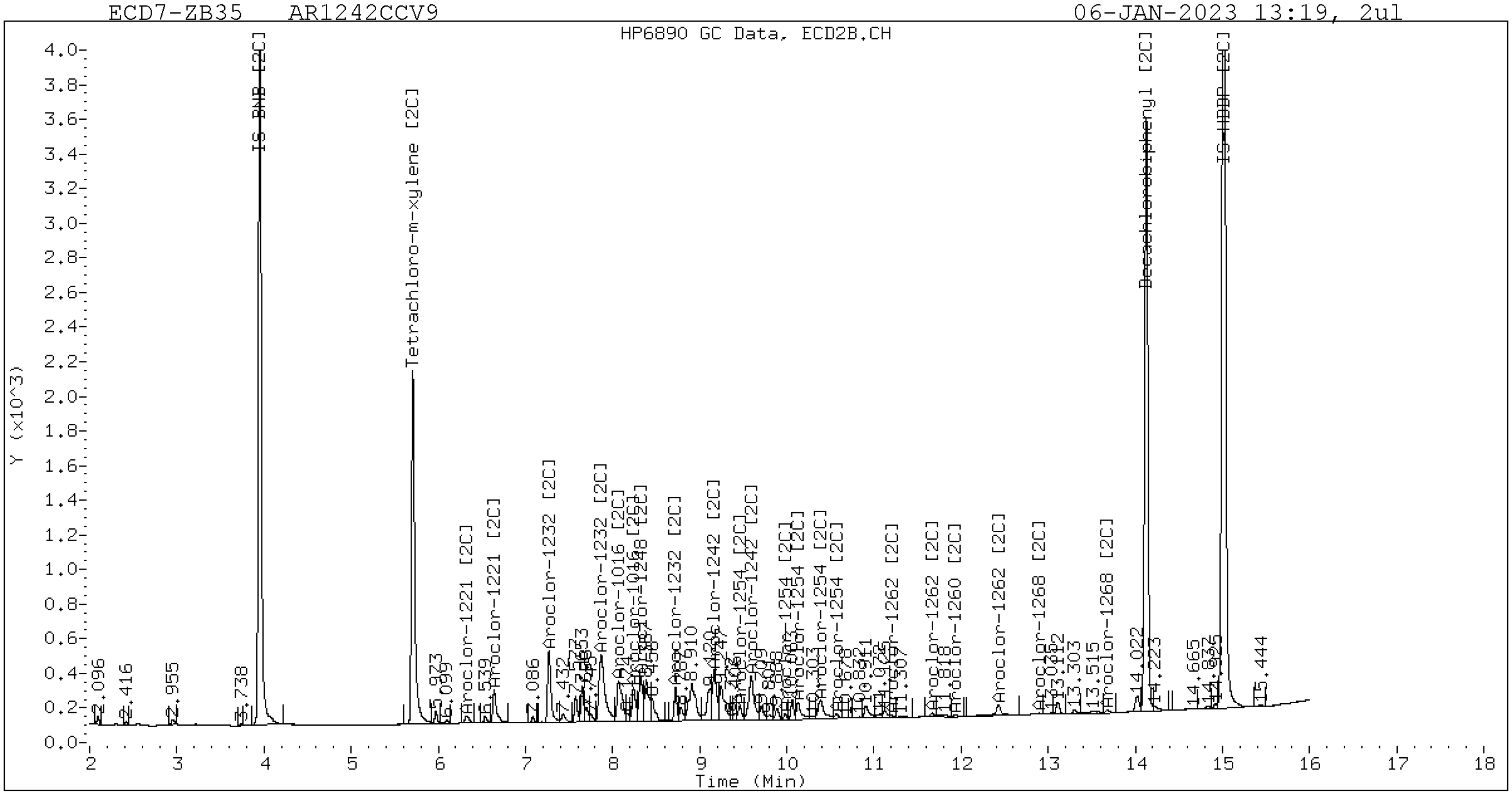
PCB Dual Column Chromatograms

ECD7-ZB5 AR1242CCV9 06-JAN-2023 13:19, 2ul



ZB-5 Manual Integration: YES

ECD7-ZB35 AR1242CCV9 06-JAN-2023 13:19, 2ul

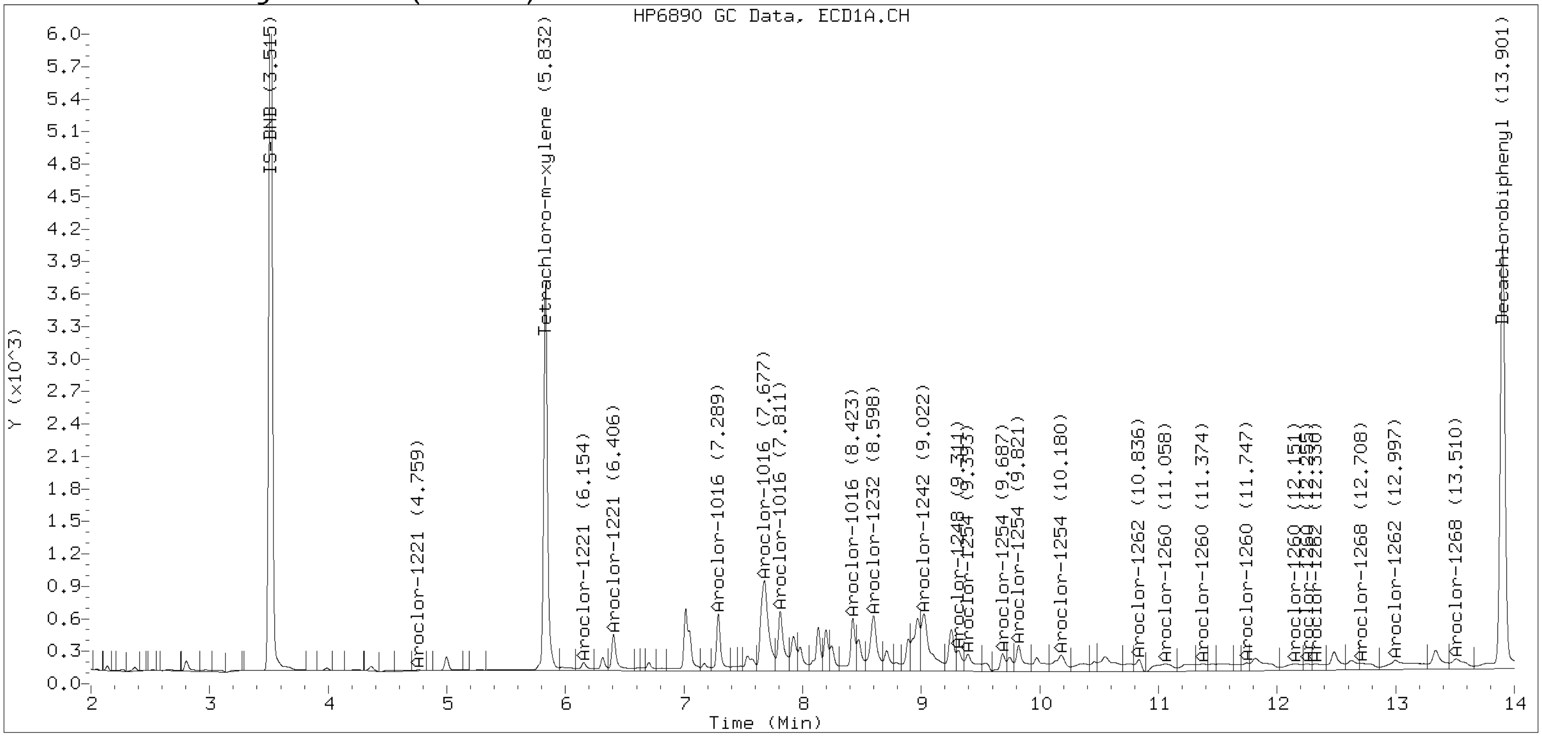


ZB-35 Manual Integration: NO

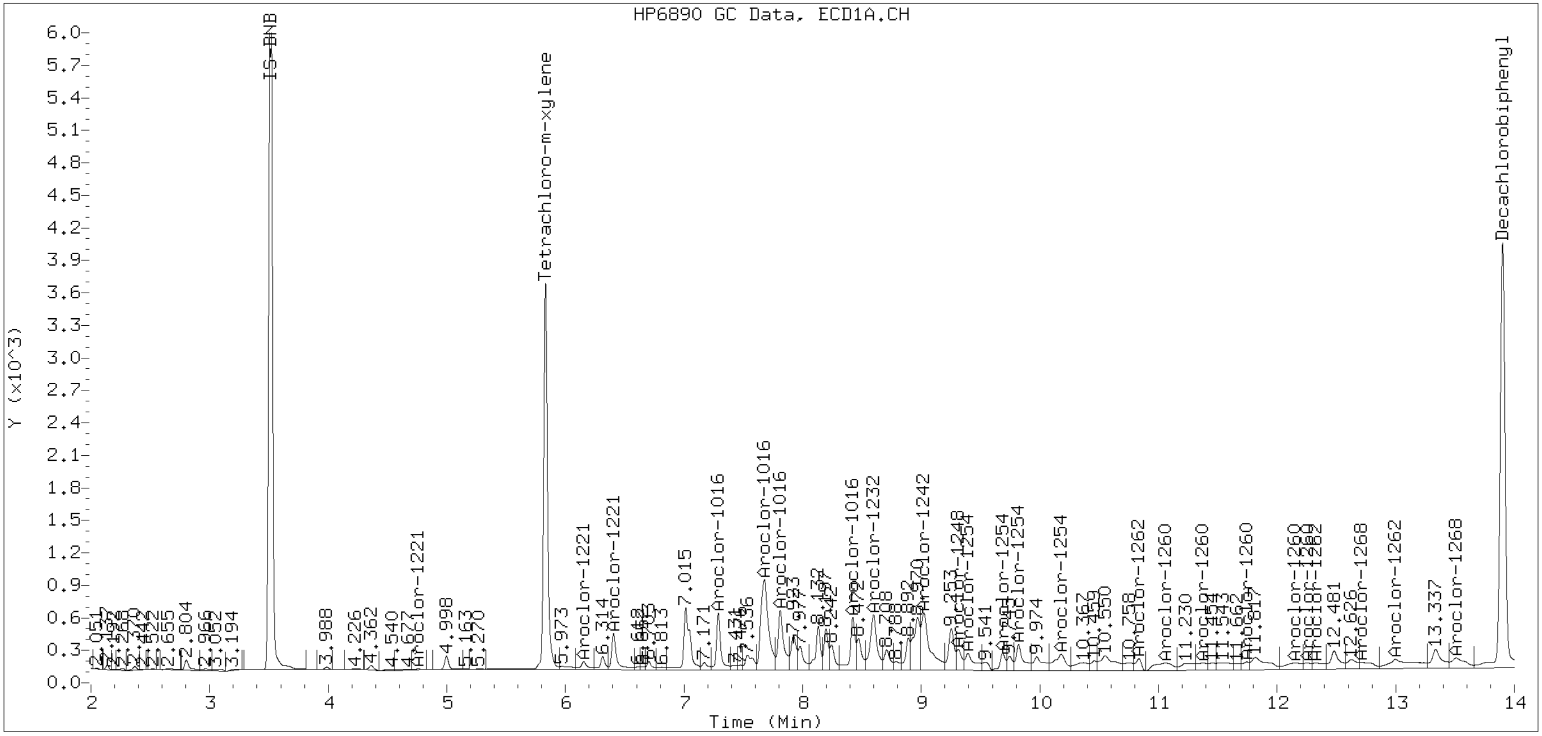
Manual Peak Adjustment, ZB-5

Datafile: ecd7.i/230105.b/01052372ECD7.D   Injection Date: 06-JAN-2023 13:19

Manual Integration (After)



Processed Integration (Before)



CONTINUING CALIBRATION CHECK
EPA 8082A

Laboratory:	Analytical Resources, LLC	SDG:	22L0307
Client:	Anchor QEA, LLC	Project:	AOC4 UR Phase 3
Instrument ID:	ECD7	Calibration:	FL00010
Lab File ID:	01052373ECD7.D	Calibration Date:	12/03/2022
Sequence:	SLA0096	Injection Date:	01/06/23
Lab Sample ID:	SLA0096-CCVA	Injection Time:	13:40
Sequence Name:	AR1660CCVA		

		CONC. (ug/L)		RESPONSE FACTOR (RRF)			% DRIFT/DIFF	
COMPOUND	TYPE	STD	CCV	ICAL	CCV	MIN	CCV	LIMIT
Aroclor 1016	A	250.00	272	0.0441939	0.0474435		8.9	+/-20
Aroclor-1016 (1)	A	250.00	269	0.0266860	0.0286971		7.6	
Aroclor-1016 (2)	A	250.00	261	0.0861572	0.0898299		4.4	
Aroclor-1016 (3)	A	250.00	277	0.0390425	0.0432184		10.8	
Aroclor-1016 (4)	A	250.00	282	0.0248899	0.0280287		12.8	
Aroclor 1016 [2C]	A	250.00	240	0.0467310	0.0422433		-3.9	+/-20
Aroclor-1016 (1) [2C]	A	250.00	250	0.0409030	0.0408405		0.0	
Aroclor-1016 (2) [2C]	A	250.00	196	0.0882154	0.0692409		-21.6	
Aroclor-1016 (3) [2C]	A	250.00	249	0.0378846	0.0376828		-0.4	
Aroclor-1016 (4) [2C]	A	250.00	266	0.0199212	0.0212092		6.4	
Aroclor 1260	A	250.00	317	0.0390342	0.0492576		27.0	+/-20 *
Aroclor-1260 (1)	A	250.00	329	0.0291201	0.0383380		31.6	
Aroclor-1260 (2)	A	250.00	324	0.0301181	0.0389798		29.6	
Aroclor-1260 (3)	A	250.00	314	0.0791351	0.0995538		25.6	
Aroclor-1260 (4)	A	250.00	299	0.0403003	0.0482309		19.6	
Aroclor-1260 (5)	A	250.00	321	0.0164974	0.0211853		28.4	
Aroclor 1260 [2C]	A	250.00	219	0.0617619	0.0496587		-12.6	+/-20
Aroclor-1260 (1) [2C]	A	250.00	252	0.0422283	0.0426155		0.8	
Aroclor-1260 (2) [2C]	A	250.00	173	0.1059643	0.0732029		-30.8	
Aroclor-1260 (3) [2C]	A	250.00	259	0.0282173	0.0292578		3.6	
Aroclor-1260 (4) [2C]	A	250.00	190	0.0706376	0.0535588		-24.0	
Decachlorobiphenyl	A	40.000	49.6	0.7333327	0.9091503		24.0	+/-20
Tetrachlorometaxylene	A	40.000	39.2	1.1336710	1.1111550		-2.0	+/-20
Decachlorobiphenyl [2C]	A	40.000	40.6	1.1358180	1.1541060		1.5	+/-20
Tetrachlorometaxylene [2C]	A	40.000	40.3	1.0966080	1.1050490		0.8	+/-20

* Values outside of QC limits

* Values outside of QC limits

```
                                Analytical Resources Inc.
                           Dual Column 608/8082 PCB Quantitation Report

 Data file 1: /230105.b/01052373ECD7.D                  ARI ID: AR1660CCVA
 Data file 2: /230105.b/230105.b/01052373ECD7.D         Client ID:
 Method: \\target\share\chem4\ecd7.i\230105.b\PCB.m     Injection Date: 06-JAN-2023 13:40
 Compound Sublist: AR1660.sub                              Report Date: 01/10/2023 11:53
 Instrument, Inj. Vol.: ecd7.i, 2ul                     Matrix: NONE
 Quant Method: Internal Std                             Dilution Factor:  1.0



                                   SURROGATES

        ZB5 Col          |       ZB35 Col          |   ZB5    ZB35
   RT    Shift Response | RT    Shift  Response  |  on col  on col    RPD   Compound/Flag
 ============================================================================================

  5.832 -0.001   125540 | 5.708  -0.002    84381|   39.2    40.3      2.8    Tetrachloro-m-xylene
 13.902 -0.002   203091 |14.128   0.000   151511|   49.6    40.6     19.8    Decachlorobiphenyl


*  Indicates RPD > 40%



                              INTERNAL STANDARD SUMMARY

                                            Column 1
                                     Standard    Sample
                   Standard Cpnd       Area*       Area      %D
               --------------------------------------------------
                 Bromo-Nitrobenzene    447645      225963  -49.5
                 Hexabromobiphenyl     798898      446771  -44.1

                                            Column 2
                                     Standard    Sample
                   Standard Cpnd       Area*       Area      %D
               --------------------------------------------------
                 Bromo-Nitrobenzene    249094     152719   -38.7
                 Hexabromobiphenyl     362541     262560   -27.6


                * Standard Areas taken from Initial Cal Level 3
                  Initial Calibration Date: 03-DEC-2022
               <- Indicates standard response outside Limits (-50 to +100%)
```

```
//target/share/chem4/ecd7.i/230105.b/01052373ECD7.D      AR1660CCVA                    page 2
                            ZB5 Col                           ZB35 Col
 Aroclor    Peak#    RT    Shift    Area    Amount    Peak#   RT     Shift    Area   Amount
 =======================================================================================
 Aroclor-1016 1   7.289  -0.001     20264   268.8      1    7.271  -0.002    19491   249.6
 Aroclor-1016 2   7.678  -0.002     63432   260.7      2    7.872  -0.000    33045   196.2
 Aroclor-1016 3   7.812  -0.001     30518   276.7      3    8.070  -0.002    17984   248.7
 Aroclor-1016 4   8.423  -0.001     19792   281.5      4    8.242  -0.001    10122   266.2
       Total Col1Ave (4 peaks):   271.9       Total Col2Ave (4 peaks):   240.2   RPD = 12
       Corrected Ave (3 peaks):   268.7       Corrected Ave (3 peaks):   231.5   RPD = 15

                     CalAmt %D:     8.8                    CalAmt %D:    -3.9

 Aroclor-1260 1  11.056   0.000     53526   329.1      1   11.663   0.001    34966   252.3
 Aroclor-1260 2  11.373   0.000     54422   323.6      2   11.925  -0.001    60063   172.7
 Aroclor-1260 3  11.745  -0.001    138993   314.5      3   12.444   0.000    24006   259.2
 Aroclor-1260 4  12.149  -0.001     67338   299.2      4   12.509   0.001    43945   189.6
 Aroclor-1260 5  12.255  -0.000     29578   321.0      NS    ---                      ----
       Total Col1Ave (5 peaks):   317.5       Total Col2Ave (4 peaks):   218.4   RPD = 37
       Corrected Ave (4 peaks):   314.6       Corrected Ave (3 peaks):   204.9   RPD = 42*

                     CalAmt %D:    27.0                    CalAmt %D:   -12.6




 Total PCB Area Col1 (5.933 - 13.804) =    1443815     Col1 Total PCB = 0.7 ppm*

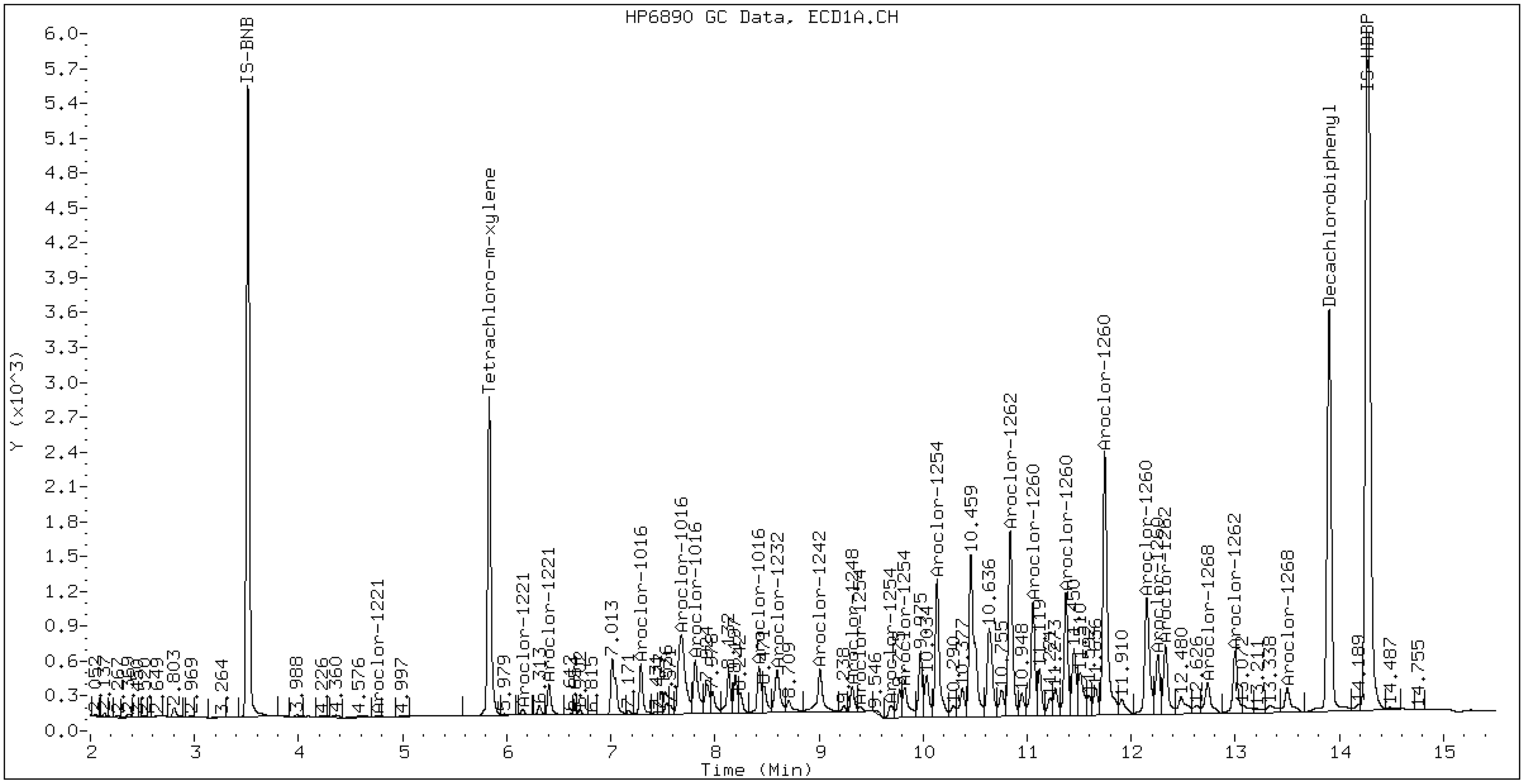
 Total PCB Area Col2 (5.810 - 14.028) =     737879     Col2 Total PCB = 0.5 ppm*


   *  Quantitated against AR1660 0.25ppm in Ical


                                    PCB-Form 10 Mod.
```

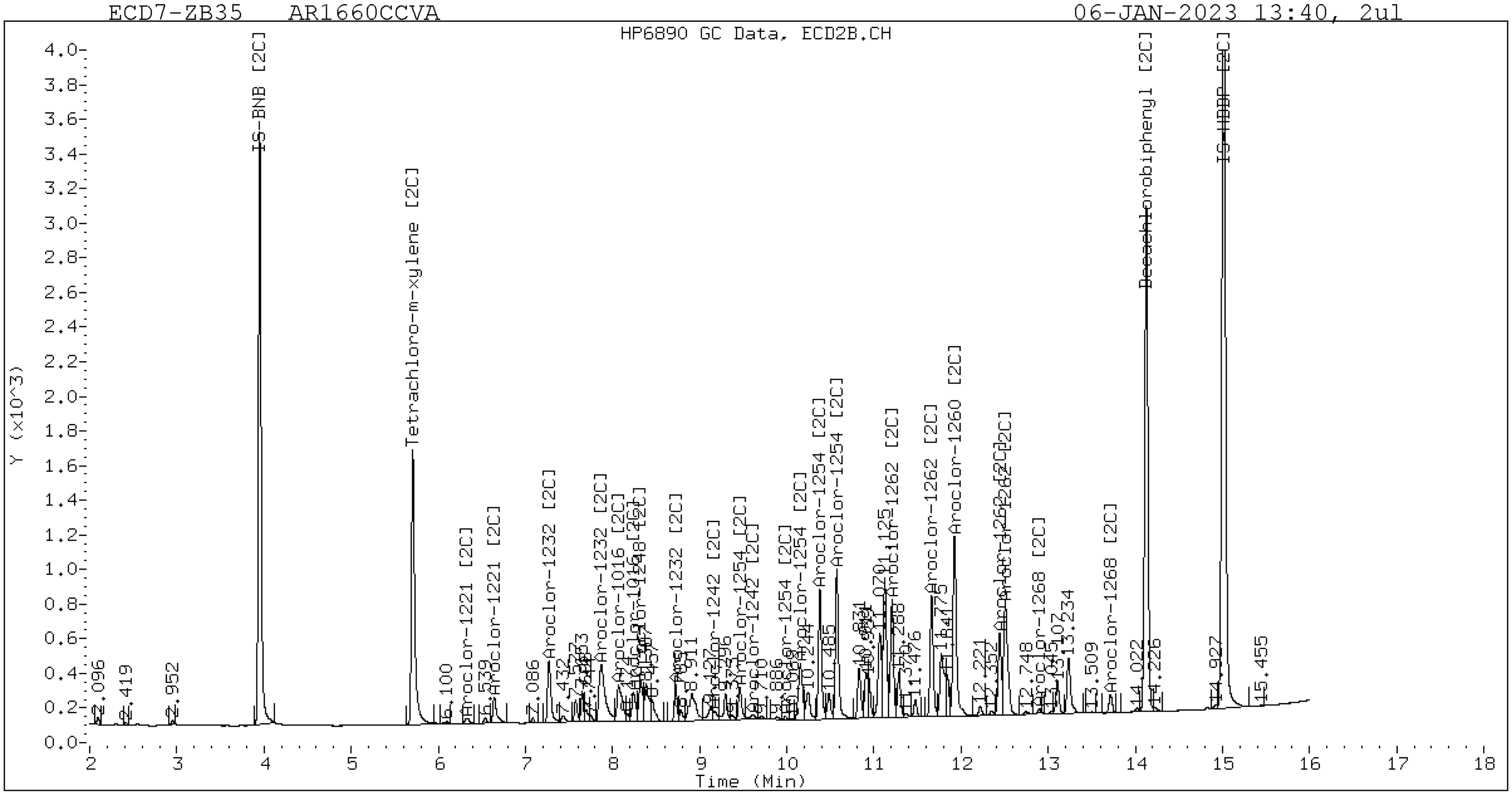
PCB Dual Column Chromatograms

ECD7-ZB5 AR1660CCVA 06-JAN-2023 13:40, 2ul



ZB-5 Manual Integration: NO

ECD7-ZB35 AR1660CCVA 06-JAN-2023 13:40, 2ul



ZB-35 Manual Integration: NO

CONTINUING CALIBRATION CHECK

EPA 8082A

Laboratory: Analytical Resources, LLC

Client: Anchor QEA, LLC

Instrument ID: ECD7

Lab File ID: 01052384ECD7.D

Sequence: SLA0096

Lab Sample ID: SLA0096-CCVB

Sequence Name: AR1254CCVB

SDG: 22L0307

Project: AOC4 UR Phase 3

Calibration: FL00010

Calibration Date: 12/03/2022

Injection Date: 01/06/23

Injection Time: 17:32

		CONC. (ug/L)		RESPONSE FACTOR (RRF)			% DRIFT/DIFF	
COMPOUND	TYPE	STD	CCV	ICAL	CCV	MIN	CCV	LIMIT
Aroclor 1254	A	250.00	255	0.0576965	0.0592055		2.0	+/-20
Aroclor-1254 (1)	A	250.00	235		0.0662601			
Aroclor-1254 (2)	A	250.00	266		0.0291167			
Aroclor-1254 (3)	A	250.00	221		0.0393178			
Aroclor-1254 (4)	A	250.00	274		0.0950152			
Aroclor-1254 (5)	A	250.00	279		0.0663176			
Aroclor 1254 [2C]	A	250.00	233	0.0638047	0.0608683		-6.9	+/-20
Aroclor-1254 (1) [2C]	A	250.00	239		0.0493351			
Aroclor-1254 (2) [2C]	A	250.00	156		0.0258635			
Aroclor-1254 (3) [2C]	A	250.00	219		0.0779495			
Aroclor-1254 (4) [2C]	A	250.00	278		0.1026867			
Aroclor-1254 (5) [2C]	A	250.00	272		0.0485064			
Decachlorobiphenyl	A	40.000	44.1	0.7333327	0.8086341		10.3	+/-20
Tetrachlorometaxylene	A	40.000	36.1	1.1336710	1.0244080		-9.8	+/-20
Decachlorobiphenyl [2C]	A	40.000	41.4	1.1358180	1.1745710		3.5	+/-20
Tetrachlorometaxylene [2C]	A	40.000	36.3	1.0966080	0.9958349		-9.3	+/-20

* Values outside of QC limits

* Values outside of QC limits

```
                              Analytical Resources Inc.
                         Dual Column 608/8082 PCB Quantitation Report

Data file 1: /230105.b/01052384ECD7.D                        ARI ID: AR1254CCVB
Data file 2: /230105.b/230105.b/01052384ECD7.D               Client ID:
Method: \\target\share\chem4\ecd7.i\230105.b\PCB.m           Injection Date: 06-JAN-2023 17:32
Compound Sublist: AR1254.sub                                    Report Date: 01/10/2023 11:53
Instrument, Inj. Vol.: ecd7.i, 2ul                           Matrix: NONE
Quant Method: Internal Std                                   Dilution Factor:  1.0



                                   SURROGATES

       ZB5 Col          |       ZB35 Col         |   ZB5    ZB35
  RT    Shift Response | RT    Shift  Response   |  on col  on col    RPD   Compound/Flag
==========================================================================================

  5.831 -0.002   156865 | 5.707  -0.003   106516|   36.1    36.3      0.5    Tetrachloro-m-xylene
 13.902 -0.002   195161 |14.128   0.001   178563|   44.1    41.4      6.4    Decachlorobiphenyl


*  Indicates RPD > 40%




                              INTERNAL STANDARD SUMMARY

                                        Column 1
                                 Standard    Sample
                   Standard Cpnd       Area*       Area      %D
              -------------------------------------------------
                Bromo-Nitrobenzene    447645      306255  -31.6
                Hexabromobiphenyl     798898      482693  -39.6

                                        Column 2
                                 Standard    Sample
                   Standard Cpnd       Area*       Area      %D
              -------------------------------------------------
                Bromo-Nitrobenzene    249094     213923   -14.1
                Hexabromobiphenyl     362541     304048   -16.1


               * Standard Areas taken from Initial Cal Level 3
                 Initial Calibration Date: 03-DEC-2022
              <- Indicates standard response outside Limits (-50 to +100%)
```

```
//target/share/chem4/ecd7.i/230105.b/01052384ECD7.D      AR1254CCVB                     page 2
                            ZB5 Col                               ZB35 Col
 Aroclor    Peak#    RT    Shift    Area    Amount    Peak#   RT     Shift    Area   Amount
 =========================================================================================
 Aroclor-1254 1   9.314   0.001     63414   235.2      1    9.461   0.000    32981   239.1
 Aroclor-1254 2   9.393   0.001     27866   265.7      2    9.978   0.000    17290   155.9
 Aroclor-1254 3   9.685   0.000     37629   220.9      3   10.130   0.000    52110   218.6
 Aroclor-1254 4   9.819   0.001     90934   273.9      4   10.378   0.000    68647   278.1
 Aroclor-1254 5  10.176   0.001     63469   278.9      5   10.576   0.000    32427   272.4
       Total Col1Ave (5 peaks):   254.9       Total Col2Ave (5 peaks):   232.8   RPD = 9
       Corrected Ave (4 peaks):   248.9       Corrected Ave (4 peaks):   221.5   RPD = 12

                    CalAmt %D:     2.0                      CalAmt %D:    -6.9




 Total PCB Area Col1 (5.933 - 13.804) =     935914     Col1 Total PCB = 0.3 ppm*

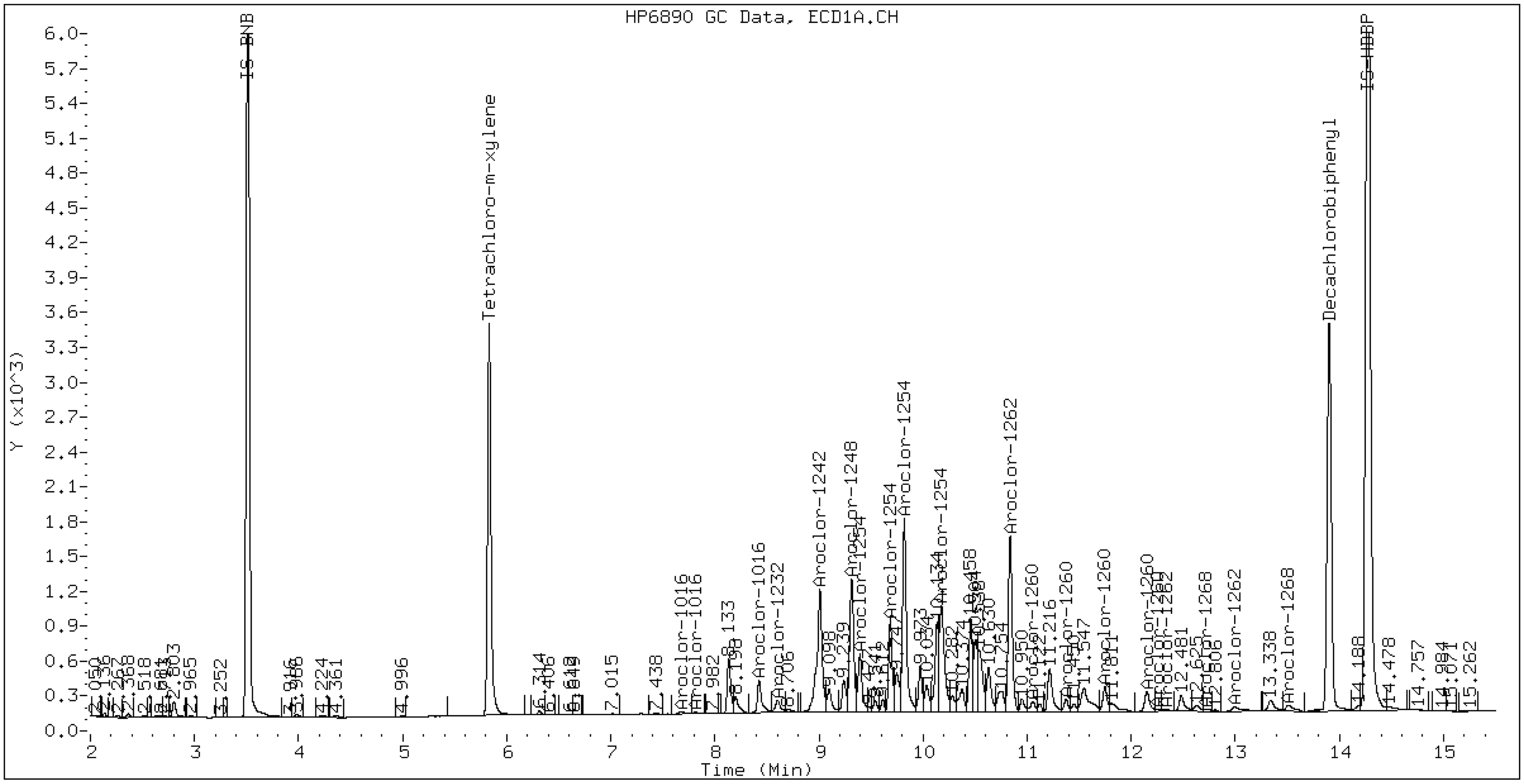
 Total PCB Area Col2 (5.810 - 14.028) =     592595     Col2 Total PCB = 0.3 ppm*


   *  Quantitated against AR1660 0.25ppm in Ical


                                        PCB-Form 10 Mod.
```

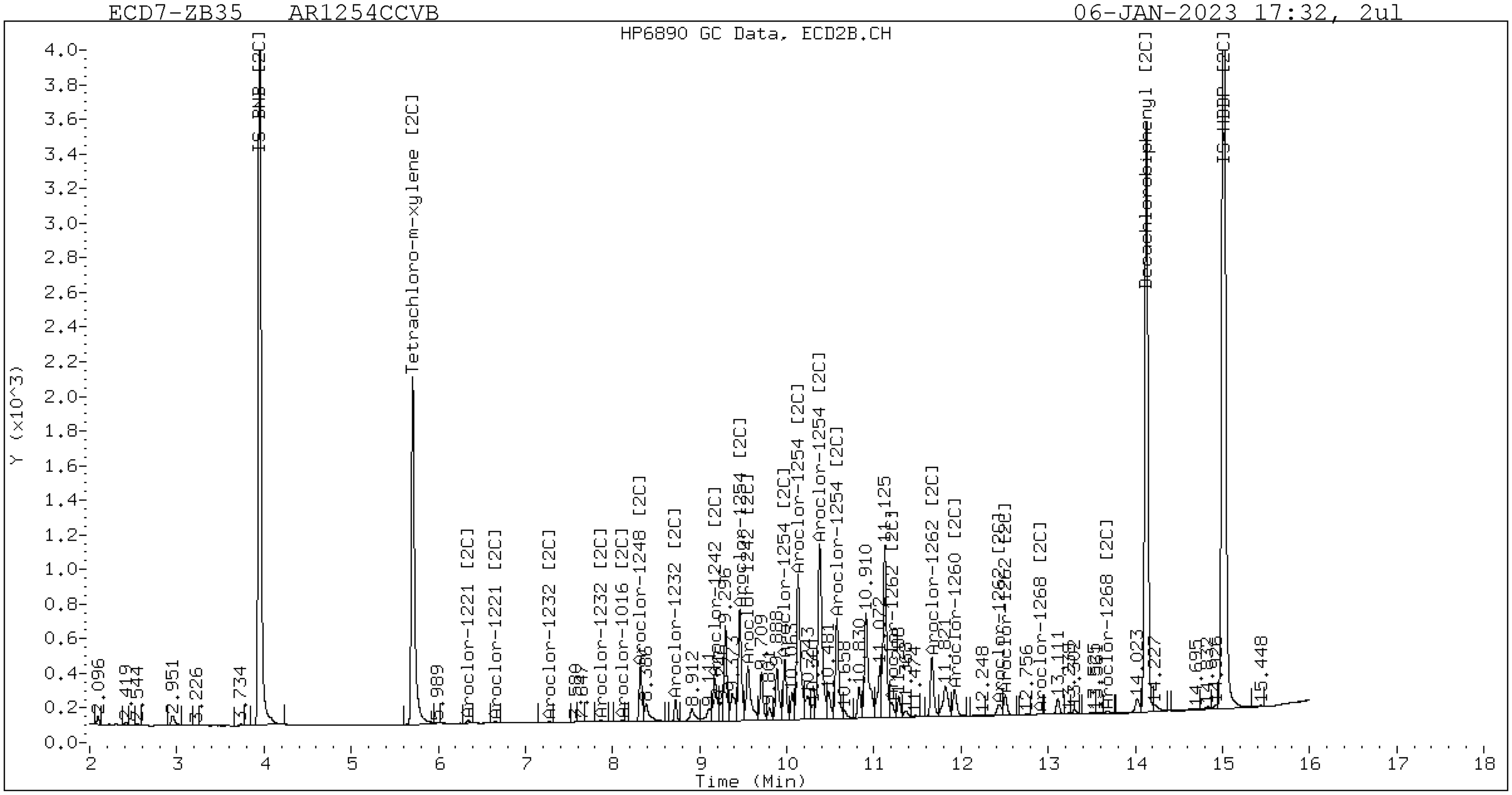
PCB Dual Column Chromatograms

ECD7-ZB5 AR1254CCVB 06-JAN-2023 17:32, 2ul



ZB-5 Manual Integration: NO

ECD7-ZB35 AR1254CCVB 06-JAN-2023 17:32, 2ul



ZB-35 Manual Integration: NO

CONTINUING CALIBRATION CHECK
EPA 8082A

Laboratory:	Analytical Resources, LLC	SDG:	22L0307
Client:	Anchor QEA, LLC	Project:	AOC4 UR Phase 3
Instrument ID:	ECD7	Calibration:	FL00010
Lab File ID:	01052385ECD7.D	Calibration Date:	12/03/2022
Sequence:	SLA0096	Injection Date:	01/06/23
Lab Sample ID:	SLA0096-CCVC	Injection Time:	17:53
Sequence Name:	AR1660CCVC		

		CONC. (ug/L)		RESPONSE FACTOR (RRF)			% DRIFT/DIFF	
COMPOUND	TYPE	STD	CCV	ICAL	CCV	MIN	CCV	LIMIT
Aroclor 1016	A	250.00	269	0.0441939	0.0472614		7.7	+/-20
Aroclor-1016 (1)	A	250.00	273	0.0266860	0.0291640		9.2	
Aroclor-1016 (2)	A	250.00	263	0.0861572	0.0905952		5.2	
Aroclor-1016 (3)	A	250.00	274	0.0390425	0.0427180		9.6	
Aroclor-1016 (4)	A	250.00	267	0.0248899	0.0265684		6.8	
Aroclor 1016 [2C]	A	250.00	250	0.0467310	0.0440895		0.0	+/-20
Aroclor-1016 (1) [2C]	A	250.00	264	0.0409030	0.0432610		5.6	
Aroclor-1016 (2) [2C]	A	250.00	205	0.0882154	0.0723812		-18.0	
Aroclor-1016 (3) [2C]	A	250.00	256	0.0378846	0.0388290		2.4	
Aroclor-1016 (4) [2C]	A	250.00	275	0.0199212	0.0218867		10.0	
Aroclor 1260	A	250.00	310	0.0390342	0.0481017		24.0	+/-20 *
Aroclor-1260 (1)	A	250.00	310	0.0291201	0.0361699		24.0	
Aroclor-1260 (2)	A	250.00	308	0.0301181	0.0371435		23.2	
Aroclor-1260 (3)	A	250.00	308	0.0791351	0.0975861		23.2	
Aroclor-1260 (4)	A	250.00	299	0.0403003	0.0481477		19.6	
Aroclor-1260 (5)	A	250.00	325	0.0164974	0.0214613		30.0	
Aroclor 1260 [2C]	A	250.00	223	0.0617619	0.0506396		-10.9	+/-20
Aroclor-1260 (1) [2C]	A	250.00	256	0.0422283	0.0433425		2.4	
Aroclor-1260 (2) [2C]	A	250.00	176	0.1059643	0.0746862		-29.6	
Aroclor-1260 (3) [2C]	A	250.00	266	0.0282173	0.0300587		6.4	
Aroclor-1260 (4) [2C]	A	250.00	193	0.0706376	0.0544712		-22.8	
Decachlorobiphenyl	A	40.000	46.9	0.7333327	0.8599484		17.3	+/-20
Tetrachlorometaxylene	A	40.000	40.5	1.1336710	1.1488350		1.3	+/-20
Decachlorobiphenyl [2C]	A	40.000	41.0	1.1358180	1.1650590		2.5	+/-20
Tetrachlorometaxylene [2C]	A	40.000	41.9	1.0966080	1.1499870		4.8	+/-20

* Values outside of QC limits

* Values outside of QC limits

```
                              Analytical Resources Inc.
                         Dual Column 608/8082 PCB Quantitation Report

Data file 1: /230105.b/01052385ECD7.D                        ARI ID: AR1660CCVC
Data file 2: /230105.b/230105.b/01052385ECD7.D               Client ID:
Method: \\target\share\chem4\ecd7.i\230105.b\PCB.m           Injection Date: 06-JAN-2023 17:53
Compound Sublist: AR1660.sub                                    Report Date: 01/10/2023 11:53
Instrument, Inj. Vol.: ecd7.i, 2ul                           Matrix: NONE
Quant Method: Internal Std                                   Dilution Factor:  1.0



                                   SURROGATES

       ZB5 Col          |        ZB35 Col         |   ZB5    ZB35
  RT    Shift Response | RT    Shift  Response   |  on col  on col    RPD   Compound/Flag
=============================================================================================

  5.832 -0.001   126408 | 5.709  -0.001    86893|   40.5    41.9      3.4    Tetrachloro-m-xylene
 13.904  0.000   181327 |14.128   0.000   150151|   46.9    41.0     13.4    Decachlorobiphenyl


*  Indicates RPD > 40%




                              INTERNAL STANDARD SUMMARY

                                          Column 1
                                   Standard    Sample
                   Standard Cpnd     Area*      Area      %D
               --------------------------------------------------
                 Bromo-Nitrobenzene    447645      220063  -50.8 <-
                 Hexabromobiphenyl     798898      421716  -47.2

                                          Column 2
                                   Standard    Sample
                   Standard Cpnd     Area*      Area      %D
               --------------------------------------------------
                 Bromo-Nitrobenzene    249094     151120   -39.3
                 Hexabromobiphenyl     362541     257757   -28.9


                * Standard Areas taken from Initial Cal Level 3
                  Initial Calibration Date: 03-DEC-2022
               <- Indicates standard response outside Limits (-50 to +100%)
```

```
                            ZB5 Col                                ZB35 Col
 Aroclor   Peak#    RT    Shift    Area    Amount    Peak#   RT     Shift    Area   Amount
 ========================================================================================
 Aroclor-1016 1   7.289  -0.001     20056   273.2      1    7.272  -0.001    20430   264.4
 Aroclor-1016 2   7.677  -0.004     62302   262.9      2    7.872  -0.000    34182   205.1
 Aroclor-1016 3   7.811  -0.001     29377   273.5      3    8.071  -0.001    18337   256.2
 Aroclor-1016 4   8.424  -0.001     18271   266.9      4    8.241  -0.001    10336   274.7
       Total Col1Ave (4 peaks):   269.1       Total Col2Ave (4 peaks):   250.1   RPD = 7
       Corrected Ave (3 peaks):   267.7       Corrected Ave (3 peaks):   241.9   RPD = 10

                    CalAmt %D:     7.6                    CalAmt %D:     0.0

 Aroclor-1260 1  11.055  -0.000     47667   310.5      1   11.662  -0.001    34912   256.6
 Aroclor-1260 2  11.372  -0.000     48950   308.3      2   11.924  -0.002    60159   176.2
 Aroclor-1260 3  11.745  -0.001    128605   308.3      3   12.444   0.001    24212   266.3
 Aroclor-1260 4  12.149  -0.001     63452   298.7      4   12.508   0.000    43876   192.8
 Aroclor-1260 5  12.255  -0.000     28283   325.2      NS    ---                      ----
       Total Col1Ave (5 peaks):   310.2       Total Col2Ave (4 peaks):   223.0   RPD = 33
       Corrected Ave (4 peaks):   306.5       Corrected Ave (3 peaks):   208.5   RPD = 38

                    CalAmt %D:    24.1                    CalAmt %D:   -10.8




 Total PCB Area Col1 (5.933 - 13.804) =    1290684     Col1 Total PCB = 0.6 ppm*

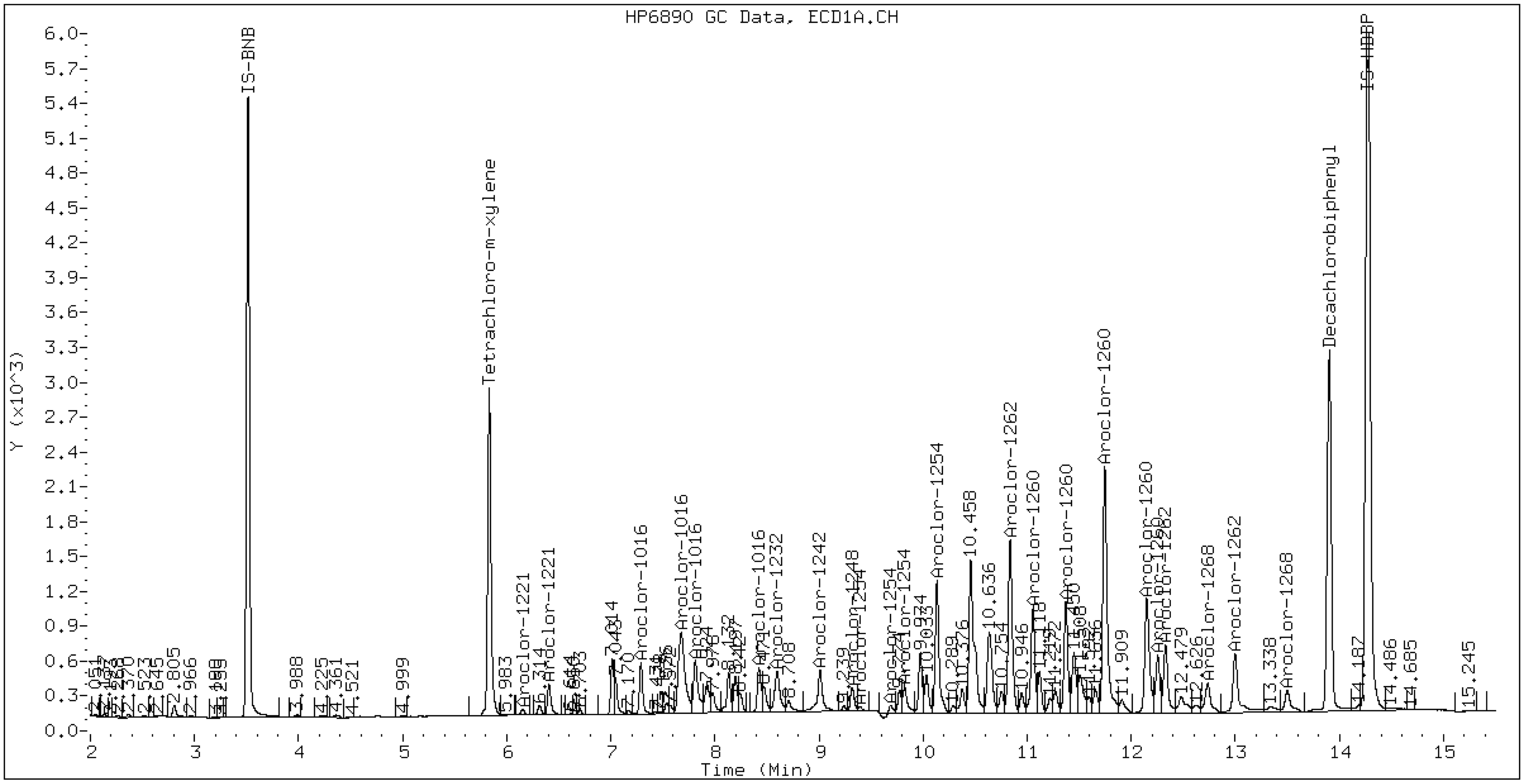
 Total PCB Area Col2 (5.810 - 14.028) =     741861     Col2 Total PCB = 0.5 ppm*


   *  Quantitated against AR1660 0.25ppm in Ical


                                    PCB-Form 10 Mod.
```

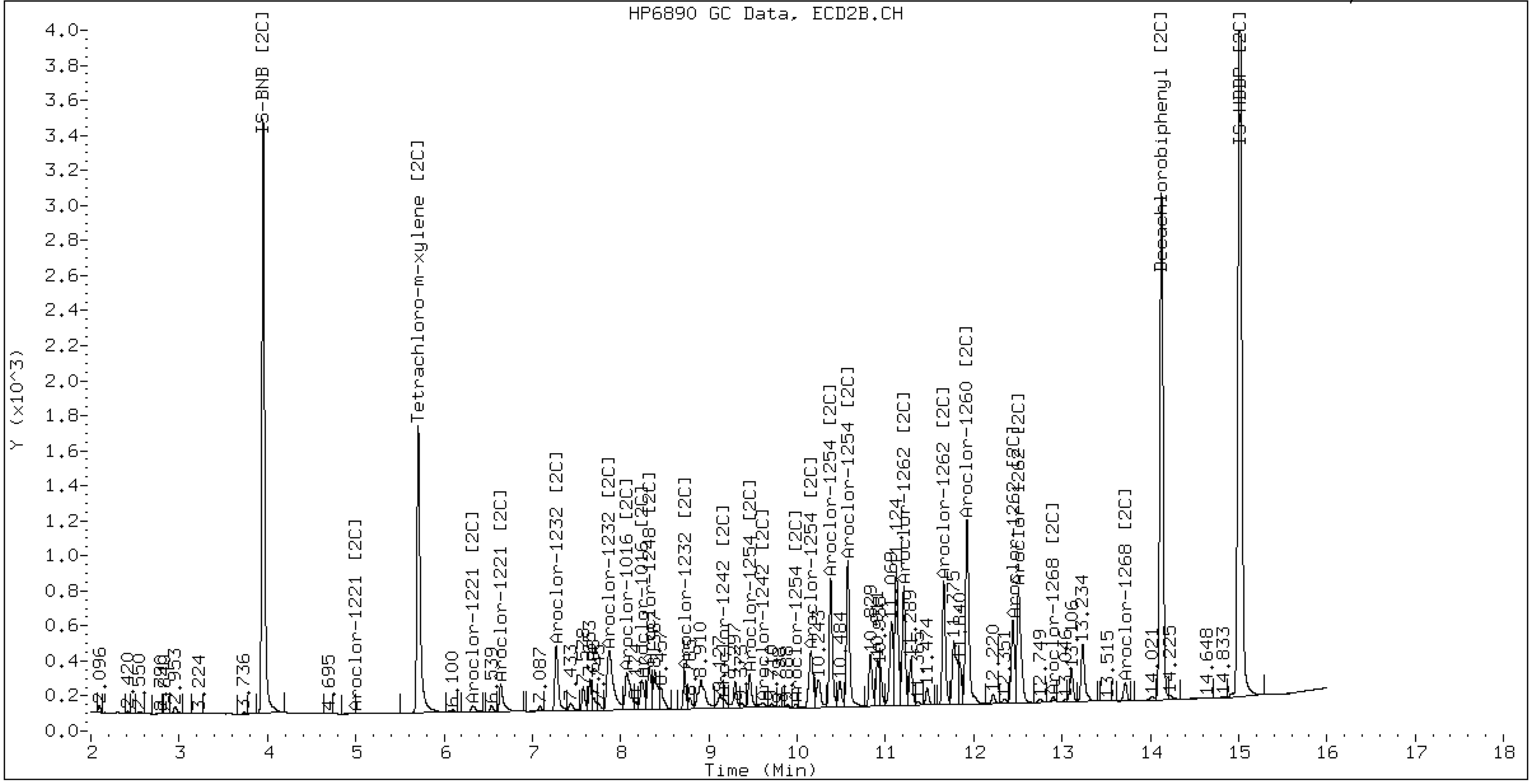
PCB Dual Column Chromatograms

ECD7-ZB5 AR1660CCVC 06-JAN-2023 17:53, 2ul



ZB-5 Manual Integration: NO

ECD7-ZB35 AR1660CCVC 06-JAN-2023 17:53, 2ul



ZB-35 Manual Integration: NO

CONTINUING CALIBRATION CHECK
EPA 8082A

Laboratory:	Analytical Resources, LLC	SDG:	22L0307
Client:	Anchor QEA, LLC	Project:	AOC4 UR Phase 3
Instrument ID:	ECD7	Calibration:	FL00010
Lab File ID:	01052392ECD7.D	Calibration Date:	12/03/2022
Sequence:	SLA0096	Injection Date:	01/06/23
Lab Sample ID:	SLA0096-CCVD	Injection Time:	20:21
Sequence Name:	AR1248CCVD		

		CONC. (ug/L)		RESPONSE FACTOR (RRF)			% DRIFT/DIFF	
COMPOUND	TYPE	STD	CCV	ICAL	CCV	MIN	CCV	LIMIT
Aroclor 1248	A	250.00	265	0.0490062	0.0536587		6.1	+/-20
Aroclor-1248 (1)	A	250.00	285		0.0392750			
Aroclor-1248 (2)	A	250.00	307		0.0539291			
Aroclor-1248 (3)	A	250.00	303		0.0957740			
Aroclor-1248 (4)	A	250.00	166		0.0256568			
Aroclor 1248 [2C]	A	250.00	259	0.0394876	0.0413866		3.4	+/-20
Aroclor-1248 (1) [2C]	A	250.00	266		0.0347484			
Aroclor-1248 (2) [2C]	A	250.00	195		0.0267774			
Aroclor-1248 (3) [2C]	A	250.00	290		0.0485348			
Aroclor-1248 (4) [2C]	A	250.00	283		0.0554859			
Decachlorobiphenyl	A	40.000	44.6	0.7333327	0.8179595		11.5	+/-20
Tetrachlorometaxylene	A	40.000	36.4	1.1336710	1.0303150		-9.0	+/-20
Decachlorobiphenyl [2C]	A	40.000	41.2	1.1358180	1.1715930		3.0	+/-20
Tetrachlorometaxylene [2C]	A	40.000	37.3	1.0966080	1.0235560		-6.8	+/-20

* Values outside of QC limits

* Values outside of QC limits

Analytical Resources Inc.
Dual Column 608/8082 PCB Quantitation Report

AR1248CCVD

Data file 1: /230105.b/01052392ECD7.D
Data file 2: /230105.b/230105.b/01052392ECD7.D
Method: \\target\share\chem4\ecd7.i\230105.b\PCB.m
Compound Sublist: AR1248.sub
Instrument, Inj. Vol.: ecd7.i, 2ul
Quant Method: Internal Std

ARI ID: AR1~~24~~2CCVD
Client ID:
Injection Date: 06-JAN-2023 20:21
Report Date: 01/13/2023 11:04
Matrix: NONE
Dilution Factor: 1.0

```
                              SURROGATES

      ZB5 Col          |       ZB35 Col          |   ZB5    ZB35
  RT    Shift Response | RT    Shift  Response   |  on col  on col    RPD   Compound/Flag
===========================================================================================

 5.832 -0.002   166773 | 5.708  -0.002   113041|   36.4    37.3      2.7    Tetrachloro-m-xylene
13.902 -0.000   243664 |14.128   0.001   206621|   44.6    41.3      7.8    Decachlorobiphenyl


*  Indicates RPD > 40%
```

```
                      INTERNAL STANDARD SUMMARY

                                  Column 1
                           Standard    Sample
         Standard Cpnd       Area*       Area      %D
       --------------------------------------------------
         Bromo-Nitrobenzene    447645      323732  -27.7
         Hexabromobiphenyl     798898      595785  -25.4

                                  Column 2
                           Standard    Sample
         Standard Cpnd       Area*       Area      %D
       --------------------------------------------------
         Bromo-Nitrobenzene    249094     220879   -11.3
         Hexabromobiphenyl     362541     352718    -2.7


        * Standard Areas taken from Initial Cal Level 3
          Initial Calibration Date: 03-DEC-2022
       <- Indicates standard response outside Limits (-50 to +100%)
```

```
                                ZB5 Col                              ZB35 Col
 Aroclor    Peak#    RT    Shift    Area    Amount    Peak#   RT     Shift    Area   Amount
 ===========================================================================================
 Aroclor-1248 1   8.422  -0.001     39733   285.5      1    8.321   0.000    23985   265.8
 Aroclor-1248 2   8.598  -0.001     54558   307.0      2    8.725  -0.001    18483   194.8
 Aroclor-1248 3   9.017  -0.000     96891   303.1      3    9.172  -0.001    33501   290.2
 Aroclor-1248 4   9.310  -0.002     25956   165.7      4    9.592  -0.000    38299   282.6
       Total Col1Ave (4 peaks):   265.3       Total Col2Ave (4 peaks):   258.3   RPD = 3
       Corrected Ave (3 peaks):   251.4       Corrected Ave (3 peaks):   247.7   RPD = 1

                     CalAmt %D:     6.1                    CalAmt %D:     3.3




 Total PCB Area Col1 (5.933 - 13.802) =     927706     Col1 Total PCB = 0.3 ppm*

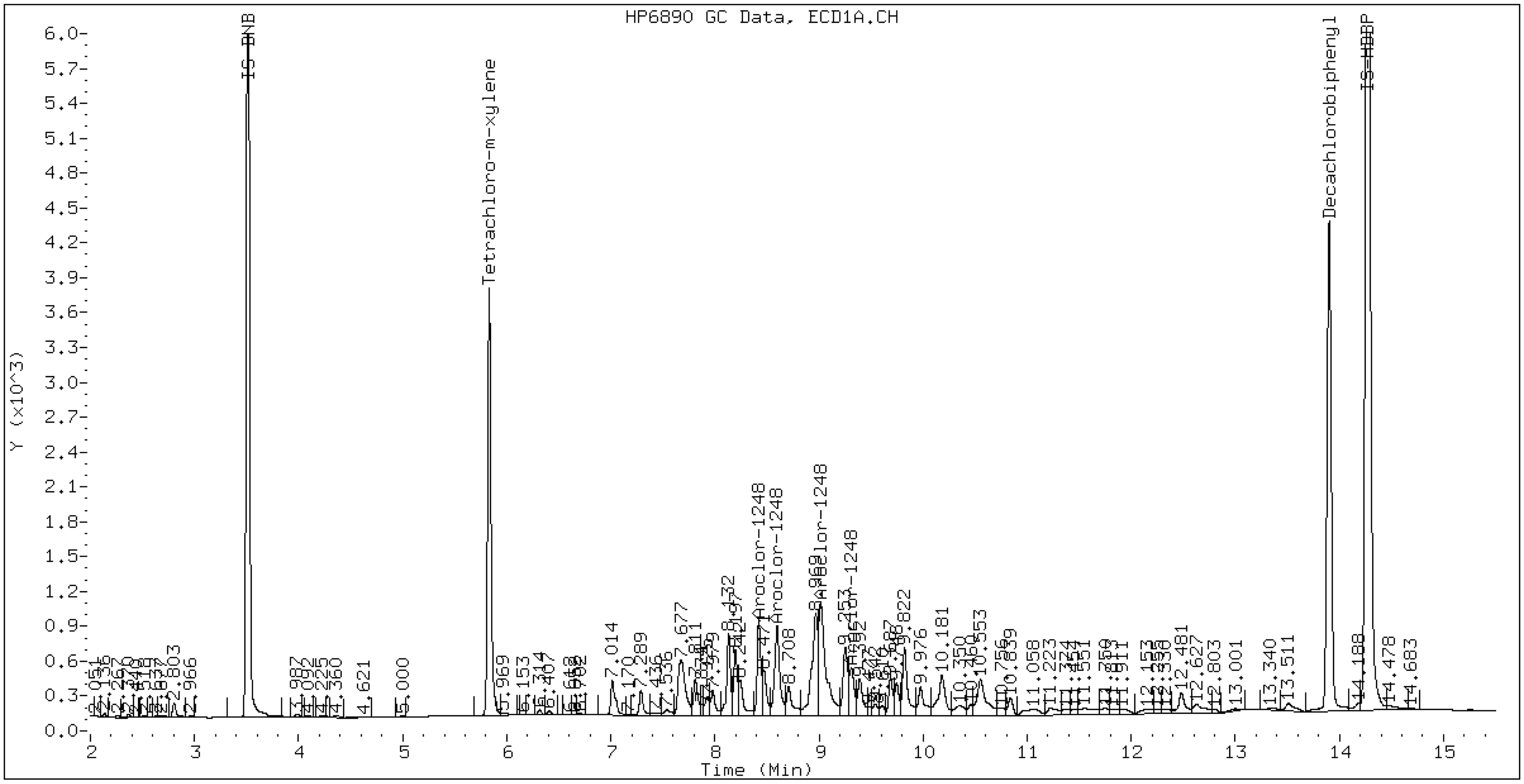
 Total PCB Area Col2 (5.810 - 14.028) =     463637     Col2 Total PCB = 0.2 ppm*

   *  Quantitated against AR1660 0.25ppm in Ical

                                        PCB-Form 10 Mod.
```

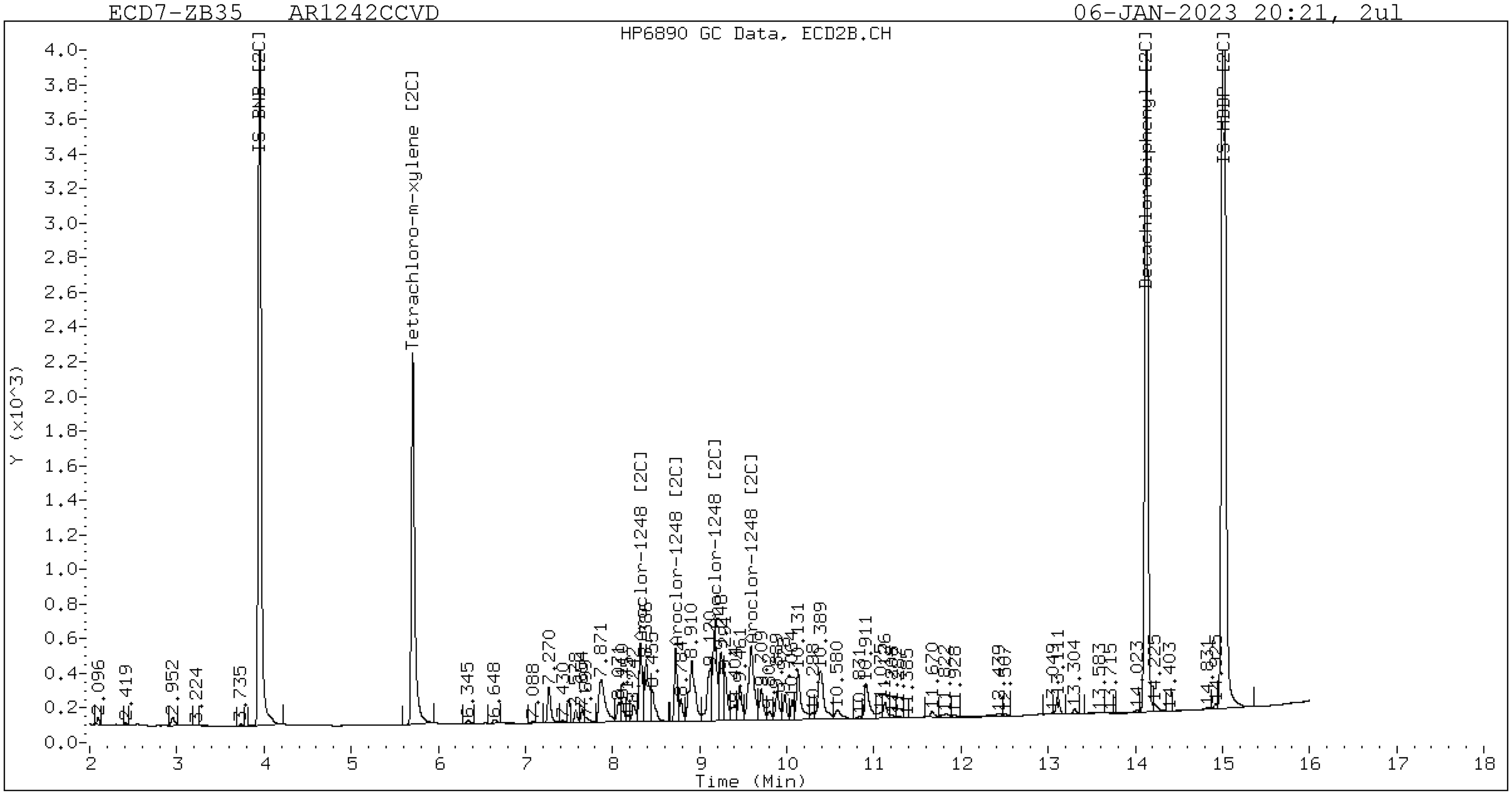
PCB Dual Column Chromatograms

ECD7-ZB5 AR1242CCVD 06-JAN-2023 20:21, 2ul



ZB-5 Manual Integration: NO

ECD7-ZB35 AR1242CCVD 06-JAN-2023 20:21, 2ul



ZB-35 Manual Integration: NO

CONTINUING CALIBRATION CHECK

EPA 8082A

Laboratory: Analytical Resources, LLC
SDG: 22L0307
Client: Anchor QEA, LLC
Project: AOC4 UR Phase 3
Instrument ID: ECD7
Calibration: FL00010
Lab File ID: 01052393ECD7.D
Calibration Date: 12/03/2022
Sequence: SLA0096
Injection Date: 01/06/23
Lab Sample ID: SLA0096-CCVE
Injection Time: 20:42
Sequence Name: AR1660CCVE

COMPOUND	TYPE	CONC. (ug/L)		RESPONSE FACTOR (RRF)			% DRIFT/DIFF	
		STD	CCV	ICAL	CCV	MIN	CCV	LIMIT
Aroclor 1016	A	250.00	278	0.0441939	0.0484052		11.0	+/-20
Aroclor-1016 (1)	A	250.00	273	0.0266860	0.0291000		9.2	
Aroclor-1016 (2)	A	250.00	267	0.0861572	0.0919557		6.8	
Aroclor-1016 (3)	A	250.00	279	0.0390425	0.0435823		11.6	
Aroclor-1016 (4)	A	250.00	291	0.0248899	0.0289829		16.4	
Aroclor 1016 [2C]	A	250.00	247	0.0467310	0.0434824		-1.2	+/-20
Aroclor-1016 (1) [2C]	A	250.00	258	0.0409030	0.0422839		3.2	
Aroclor-1016 (2) [2C]	A	250.00	202	0.0882154	0.0713281		-19.2	
Aroclor-1016 (3) [2C]	A	250.00	253	0.0378846	0.0384131		1.2	
Aroclor-1016 (4) [2C]	A	250.00	275	0.0199212	0.0219044		10.0	
Aroclor 1260	A	250.00	316	0.0390342	0.0488894		26.2	+/-20 *
Aroclor-1260 (1)	A	250.00	324	0.0291201	0.0377734		29.6	
Aroclor-1260 (2)	A	250.00	318	0.0301181	0.0382805		27.2	
Aroclor-1260 (3)	A	250.00	311	0.0791351	0.0984380		24.4	
Aroclor-1260 (4)	A	250.00	301	0.0403003	0.0485753		20.4	
Aroclor-1260 (5)	A	250.00	324	0.0164974	0.0213796		29.6	
Aroclor 1260 [2C]	A	250.00	217	0.0617619	0.0491487		-13.3	+/-20
Aroclor-1260 (1) [2C]	A	250.00	253	0.0422283	0.0426844		1.2	
Aroclor-1260 (2) [2C]	A	250.00	170	0.1059643	0.0720918		-32.0	
Aroclor-1260 (3) [2C]	A	250.00	258	0.0282173	0.0291493		3.2	
Aroclor-1260 (4) [2C]	A	250.00	186	0.0706376	0.0526691		-25.6	
Decachlorobiphenyl	A	40.000	47.0	0.7333327	0.8623745		17.5	+/-20
Tetrachlorometaxylene	A	40.000	39.4	1.1336710	1.1165900		-1.5	+/-20
Decachlorobiphenyl [2C]	A	40.000	40.5	1.1358180	1.1506640		1.3	+/-20
Tetrachlorometaxylene [2C]	A	40.000	40.3	1.0966080	1.1050210		0.8	+/-20

* Values outside of QC limits

```
                              Analytical Resources Inc.
                         Dual Column 608/8082 PCB Quantitation Report

 Data file 1: /230105.b/01052393ECD7.D                        ARI ID: AR1660CCVE
 Data file 2: /230105.b/230105.b/01052393ECD7.D               Client ID:
 Method: \\target\share\chem4\ecd7.i\230105.b\PCB.m           Injection Date: 06-JAN-2023 20:42
 Compound Sublist: AR1660.sub                                    Report Date: 01/10/2023 11:53
 Instrument, Inj. Vol.: ecd7.i, 2ul                           Matrix: NONE
 Quant Method: Internal Std                                   Dilution Factor:  1.0



                                 SURROGATES

        ZB5 Col          |        ZB35 Col          |   ZB5    ZB35
   RT    Shift Response | RT    Shift  Response  |  on col  on col    RPD   Compound/Flag
 ==========================================================================================

  5.833  0.000   126556 | 5.710   0.000    86374|   39.4    40.3      2.3    Tetrachloro-m-xylene
 13.902 -0.002   197545 |14.128   0.000   156194|   47.0    40.5     14.9    Decachlorobiphenyl


*  Indicates RPD > 40%




                             INTERNAL STANDARD SUMMARY

                                         Column 1
                                  Standard    Sample
                  Standard Cpnd      Area*       Area      %D
               --------------------------------------------------
                 Bromo-Nitrobenzene    447645      226683  -49.4
                 Hexabromobiphenyl     798898      458142  -42.7

                                         Column 2
                                  Standard    Sample
                  Standard Cpnd      Area*       Area      %D
               --------------------------------------------------
                 Bromo-Nitrobenzene    249094     156330   -37.2
                 Hexabromobiphenyl     362541     271485   -25.1


                * Standard Areas taken from Initial Cal Level 3
                  Initial Calibration Date: 03-DEC-2022
               <- Indicates standard response outside Limits (-50 to +100%)
```

```
//target/share/chem4/ecd7.i/230105.b/01052393ECD7.D      AR1660CCVE                         page 2
                             ZB5 Col                                ZB35 Col
 Aroclor    Peak#    RT    Shift    Area    Amount    Peak#   RT     Shift    Area   Amount
 =========================================================================================
 Aroclor-1016 1   7.290   0.001     20614   272.6      1    7.272   0.000    20657   258.4
 Aroclor-1016 2   7.678  -0.002     65140   266.8      2    7.872   0.000    34846   202.1
 Aroclor-1016 3   7.813   0.000     30873   279.1      3    8.072   0.000    18766   253.5
 Aroclor-1016 4   8.424  -0.000     20531   291.1      4    8.242   0.000    10701   274.9
       Total Col1Ave (4 peaks):   277.4       Total Col2Ave (4 peaks):   247.2   RPD = 11
       Corrected Ave (3 peaks):   272.8       Corrected Ave (3 peaks):   238.0   RPD = 14

                     CalAmt %D:    11.0                     CalAmt %D:    -1.1

 Aroclor-1260 1  11.055  -0.000     54080   324.3      1   11.663   0.000    36213   252.7
 Aroclor-1260 2  11.372  -0.000     54806   317.8      2   11.926   0.000    61162   170.1
 Aroclor-1260 3  11.746  -0.000    140933   311.0      3   12.443   0.000    24730   258.3
 Aroclor-1260 4  12.149  -0.001     69545   301.3      4   12.508   0.000    44684   186.4
 Aroclor-1260 5  12.255  -0.001     30609   324.0      NS    ---                      ----
       Total Col1Ave (5 peaks):   315.7       Total Col2Ave (4 peaks):   216.9   RPD = 37
       Corrected Ave (4 peaks):   313.5       Corrected Ave (3 peaks):   203.1   RPD = 43*

                     CalAmt %D:    26.3                     CalAmt %D:   -13.3




 Total PCB Area Col1 (5.933 - 13.804) =    1463756     Col1 Total PCB = 0.7 ppm*

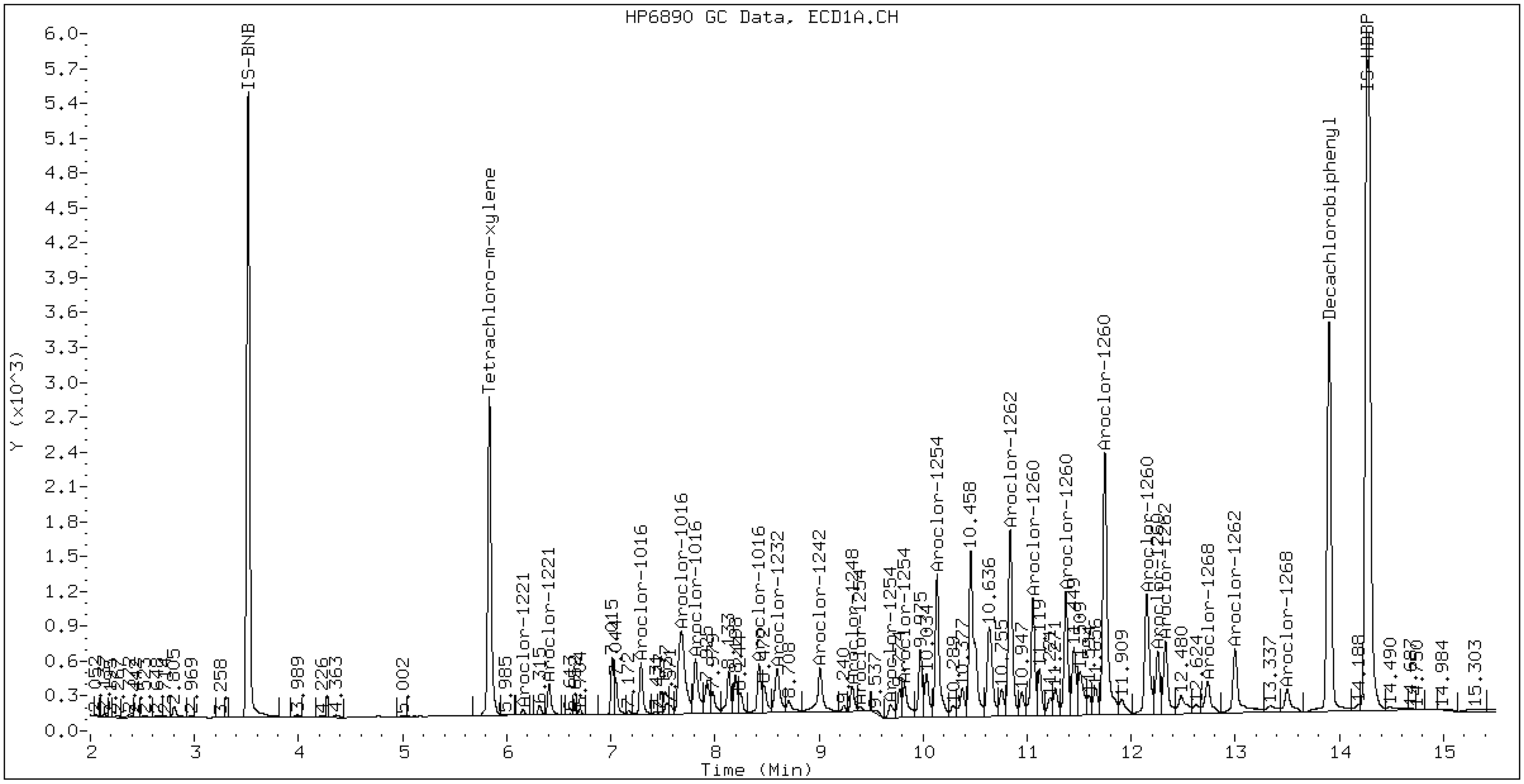
 Total PCB Area Col2 (5.810 - 14.028) =     764316     Col2 Total PCB = 0.5 ppm*


   *  Quantitated against AR1660 0.25ppm in Ical


                                        PCB-Form 10 Mod.
```

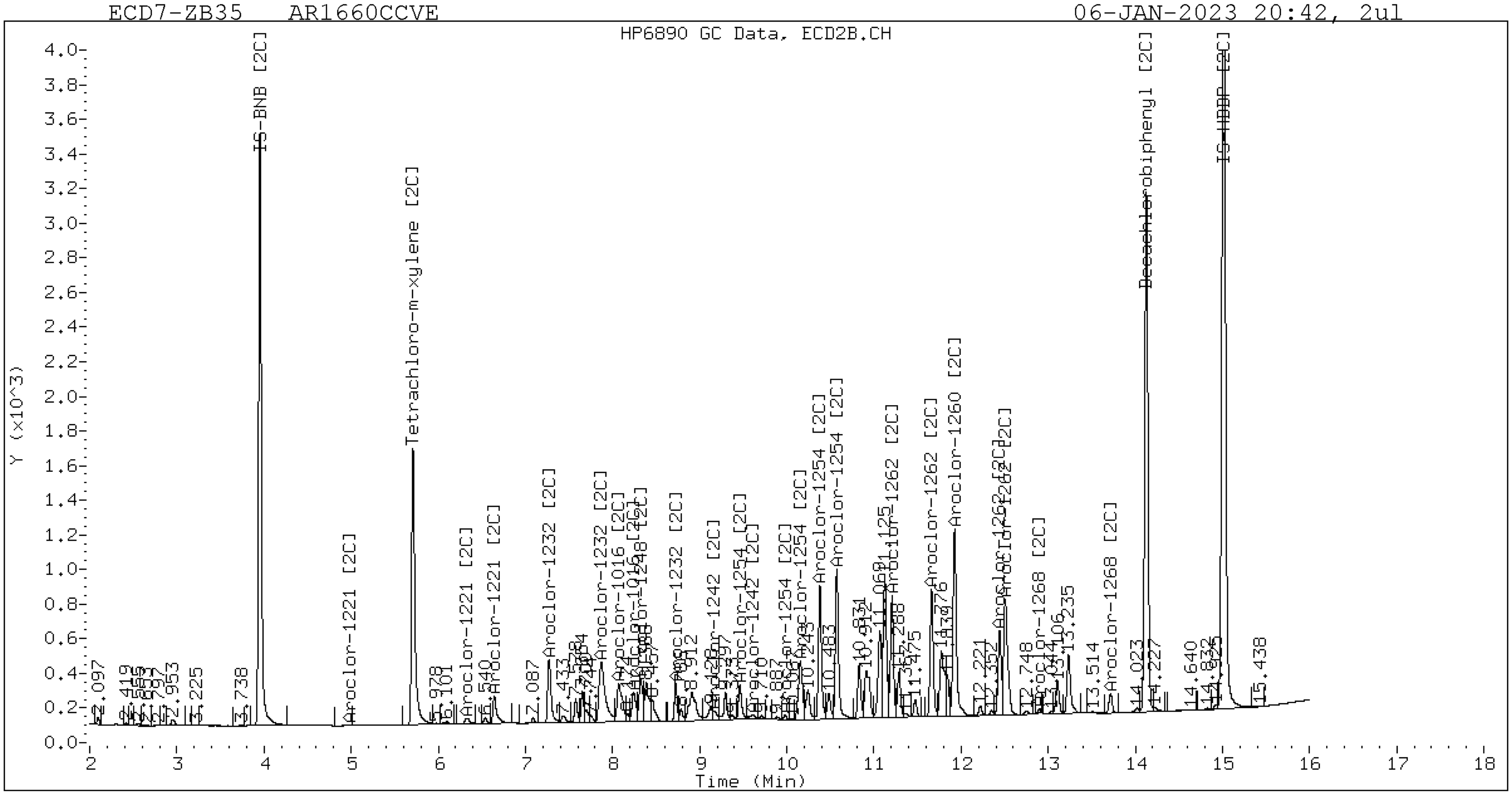
PCB Dual Column Chromatograms

ECD7-ZB5 AR1660CCVE 06-JAN-2023 20:42, 2ul



ZB-5 Manual Integration: NO

ECD7-ZB35 AR1660CCVE 06-JAN-2023 20:42, 2ul



ZB-35 Manual Integration: NO

CONTINUING CALIBRATION CHECK

EPA 8082A

Laboratory:	Analytical Resources, LLC	SDG:	22L0307
Client:	Anchor QEA, LLC	Project:	AOC4 UR Phase 3
Instrument ID:	ECD7	Calibration:	FL00010
Lab File ID:	01072314ECD7.D	Calibration Date:	12/03/2022
Sequence:	SLA0099	Injection Date:	01/07/23
Lab Sample ID:	SLA0099-CCV1	Injection Time:	13:49
Sequence Name:	AR1248CCV1		

COMPOUND	TYPE	CONC. (ug/L)		RESPONSE FACTOR (RRF)			% DRIFT/DIFF	
		STD	CCV	ICAL	CCV	MIN	CCV	LIMIT
Aroclor 1248	A	250.00	265	0.0490062	0.0533635		5.9	+/-20
Aroclor-1248 (1)	A	250.00	292		0.0401348			
Aroclor-1248 (2)	A	250.00	305		0.0535669			
Aroclor-1248 (3)	A	250.00	298		0.0942883			
Aroclor-1248 (4)	A	250.00	164		0.0254638			
Aroclor 1248 [2C]	A	250.00	259	0.0394876	0.0414582		3.7	+/-20
Aroclor-1248 (1) [2C]	A	250.00	270		0.0352514			
Aroclor-1248 (2) [2C]	A	250.00	198		0.0271634			
Aroclor-1248 (3) [2C]	A	250.00	286		0.0479222			
Aroclor-1248 (4) [2C]	A	250.00	283		0.0554956			
Decachlorobiphenyl	A	40.000	43.2	0.7333327	0.7914885		8.0	+/-20
Tetrachlorometaxylene	A	40.000	36.8	1.1336710	1.0417400		-8.0	+/-20
Decachlorobiphenyl [2C]	A	40.000	40.6	1.1358180	1.1523210		1.5	+/-20
Tetrachlorometaxylene [2C]	A	40.000	38.1	1.0966080	1.0451560		-4.8	+/-20

* Values outside of QC limits

```
                               Analytical Resources Inc.
                          Dual Column 608/8082 PCB Quantitation Report

 Data file 1: /230107.b/01072314ECD7.D                  ARI ID: AR1248CCV1
 Data file 2: /230107.b/230107.b/01072314ECD7.D         Client ID:
 Method: \\target\share\chem4\ecd7.i\230107.b\PCB.m      Injection Date: 07-JAN-2023 13:49
 Compound Sublist: AR1248.sub                              Report Date: 01/10/2023 09:22
 Instrument, Inj. Vol.: ecd7.i, 2ul                     Matrix: NONE
 Quant Method: Internal Std                             Dilution Factor:  1.0



                                    SURROGATES

        ZB5 Col          |       ZB35 Col          |   ZB5    ZB35
   RT    Shift Response | RT    Shift  Response   |  on col  on col    RPD   Compound/Flag
 ==========================================================================================

  5.833  0.001   170201 | 5.708  -0.001   113737|   36.8    38.1      3.7    Tetrachloro-m-xylene
 13.903 -0.002   269748 |14.128  -0.002   217277|   43.2    40.6      6.2    Decachlorobiphenyl


*  Indicates RPD > 40%



                               INTERNAL STANDARD SUMMARY

                                           Column 1
                                    Standard    Sample
               Standard Cpnd          Area*       Area      %D
            -------------------------------------------------
              Bromo-Nitrobenzene    447645      326763  -27.0
              Hexabromobiphenyl     798898      681622  -14.7

                                           Column 2
                                    Standard    Sample
               Standard Cpnd          Area*       Area      %D
            -------------------------------------------------
              Bromo-Nitrobenzene    249094     217646   -12.6
              Hexabromobiphenyl     362541     377112     4.0


             * Standard Areas taken from Initial Cal Level 3
               Initial Calibration Date: 03-DEC-2022
            <- Indicates standard response outside Limits (-50 to +100%)
```

```
                          ZB5 Col                              ZB35 Col
 Aroclor   Peak#    RT    Shift    Area    Amount    Peak#   RT     Shift    Area   Amount
 ===========================================================================================
 Aroclor-1248 1   8.423  -0.004     40983   291.7      1    8.321   0.000    23976   269.7
 Aroclor-1248 2   8.600  -0.004     54699   304.9      2    8.726   0.000    18475   197.6
 Aroclor-1248 3   9.018  -0.004     96281   298.4      3    9.172   0.000    32594   286.5
 Aroclor-1248 4   9.313   0.001     26002   164.5      4    9.593   0.000    37745   282.7
       Total Col1Ave (4 peaks):   264.9       Total Col2Ave (4 peaks):   259.1   RPD = 2
       Corrected Ave (3 peaks):   251.5       Corrected Ave (3 peaks):   250.0   RPD = 1

                    CalAmt %D:     5.9                   CalAmt %D:     3.6




 Total PCB Area Col1 (5.932 - 13.804) =     917989     Col1 Total PCB = 0.3 ppm*

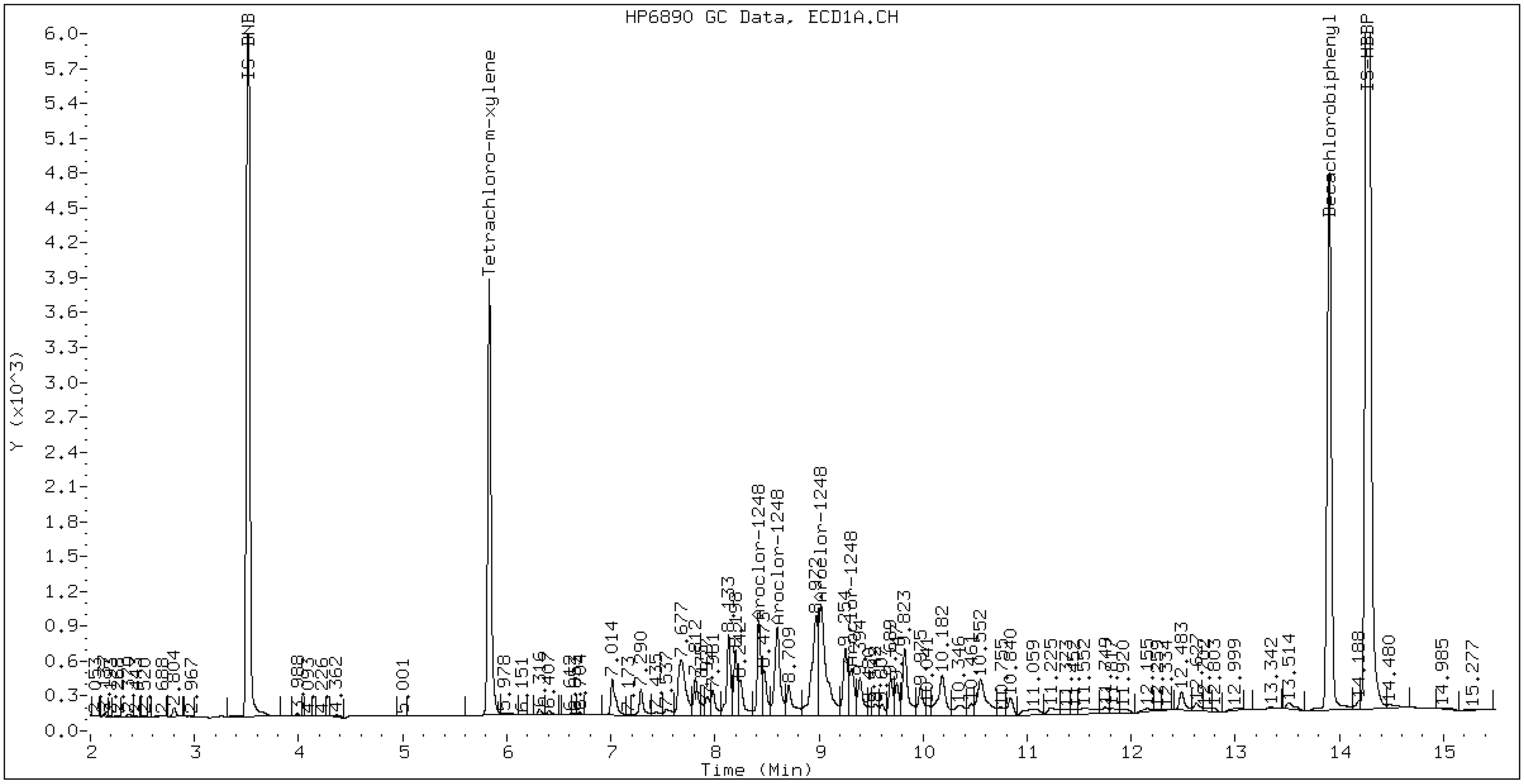
 Total PCB Area Col2 (5.810 - 14.029) =     457710     Col2 Total PCB = 0.2 ppm*


   *  Quantitated against AR1660 0.25ppm in Ical


                                        PCB-Form 10 Mod.
```

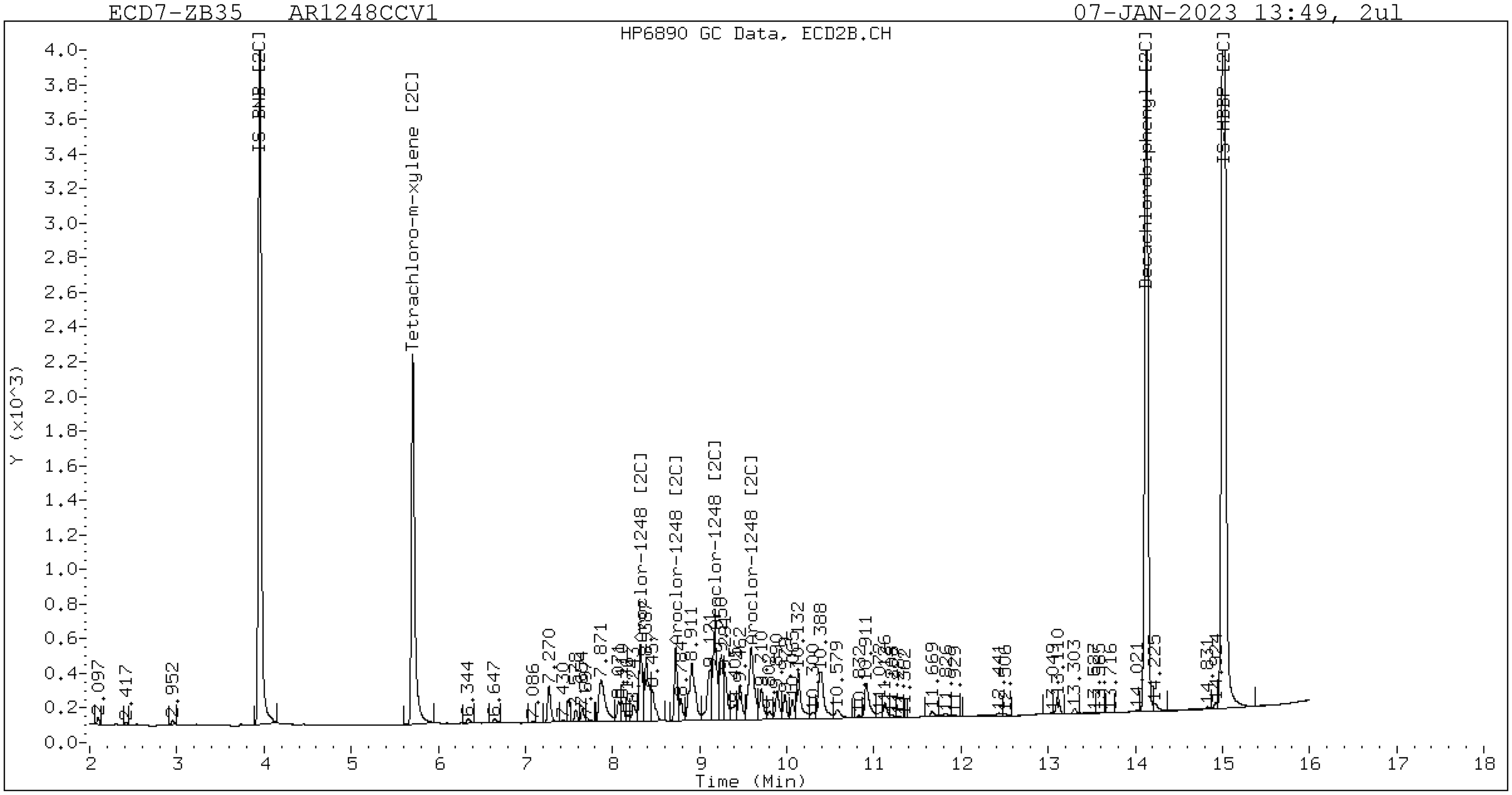
PCB Dual Column Chromatograms

ECD7-ZB5 AR1248CCV1 07-JAN-2023 13:49, 2ul



ZB-5 Manual Integration: NO

ECD7-ZB35 AR1248CCV1 07-JAN-2023 13:49, 2ul



ZB-35 Manual Integration: NO

CONTINUING CALIBRATION CHECK
EPA 8082A

Laboratory:	Analytical Resources, LLC	SDG:	22L0307
Client:	Anchor QEA, LLC	Project:	AOC4 UR Phase 3
Instrument ID:	ECD7	Calibration:	FL00010
Lab File ID:	01072315ECD7.D	Calibration Date:	12/03/2022
Sequence:	SLA0099	Injection Date:	01/07/23
Lab Sample ID:	SLA0099-CCV2	Injection Time:	14:10
Sequence Name:	AR1660CCV2		

COMPOUND	TYPE	CONC. (ug/L)		RESPONSE FACTOR (RRF)			% DRIFT/DIFF	
		STD	CCV	ICAL	CCV	MIN	CCV	LIMIT
Aroclor 1016	A	250.00	279	0.0441939	0.0484531		11.4	+/-20
Aroclor-1016 (1)	A	250.00	276	0.0266860	0.0294980		10.4	
Aroclor-1016 (2)	A	250.00	265	0.0861572	0.0913463		6.0	
Aroclor-1016 (3)	A	250.00	281	0.0390425	0.0439436		12.4	
Aroclor-1016 (4)	A	250.00	292	0.0248899	0.0290244		16.8	
Aroclor 1016 [2C]	A	250.00	247	0.0467310	0.0433991		-1.3	+/-20
Aroclor-1016 (1) [2C]	A	250.00	259	0.0409030	0.0423247		3.6	
Aroclor-1016 (2) [2C]	A	250.00	202	0.0882154	0.0711197		-19.2	
Aroclor-1016 (3) [2C]	A	250.00	254	0.0378846	0.0385016		1.6	
Aroclor-1016 (4) [2C]	A	250.00	272	0.0199212	0.0216504		8.8	
Aroclor 1260	A	250.00	283	0.0390342	0.0439317		13.3	+/-20
Aroclor-1260 (1)	A	250.00	285	0.0291201	0.0331637		14.0	
Aroclor-1260 (2)	A	250.00	282	0.0301181	0.0339790		12.8	
Aroclor-1260 (3)	A	250.00	282	0.0791351	0.0891711		12.8	
Aroclor-1260 (4)	A	250.00	272	0.0403003	0.0438901		8.8	
Aroclor-1260 (5)	A	250.00	295	0.0164974	0.0194548		18.0	
Aroclor 1260 [2C]	A	250.00	208	0.0617619	0.0468607		-16.7	+/-20
Aroclor-1260 (1) [2C]	A	250.00	243	0.0422283	0.0410997		-2.8	
Aroclor-1260 (2) [2C]	A	250.00	160	0.1059643	0.0677854		-36.0	
Aroclor-1260 (3) [2C]	A	250.00	253	0.0282173	0.0285159		1.2	
Aroclor-1260 (4) [2C]	A	250.00	177	0.0706376	0.0500420		-29.2	
Decachlorobiphenyl	A	40.000	45.6	0.7333327	0.8359270		14.0	+/-20
Tetrachlorometaxylene	A	40.000	39.4	1.1336710	1.1179860		-1.5	+/-20
Decachlorobiphenyl [2C]	A	40.000	40.8	1.1358180	1.1583150		2.0	+/-20
Tetrachlorometaxylene [2C]	A	40.000	40.4	1.0966080	1.1078430		1.0	+/-20

* Values outside of QC limits

* Values outside of QC limits

```
                              Analytical Resources Inc.
                         Dual Column 608/8082 PCB Quantitation Report

Data file 1: /230107.b/01072315ECD7.D                    ARI ID: AR1660CCV2
Data file 2: /230107.b/230107.b/01072315ECD7.D           Client ID:
Method: \\target\share\chem4\ecd7.i\230107.b\PCB.m       Injection Date: 07-JAN-2023 14:10
Compound Sublist: AR1660.sub                                Report Date: 01/10/2023 09:22
Instrument, Inj. Vol.: ecd7.i, 2ul                       Matrix: NONE
Quant Method: Internal Std                               Dilution Factor:  1.0



                                 SURROGATES

       ZB5 Col          |       ZB35 Col         |   ZB5    ZB35
  RT    Shift Response | RT    Shift  Response   |  on col  on col    RPD   Compound/Flag
============================================================================================

 5.833  0.001   127679 | 5.709  -0.001    85171|   39.4    40.4      2.4    Tetrachloro-m-xylene
13.903 -0.002   225391 |14.128  -0.002   166776|   45.6    40.8     11.1    Decachlorobiphenyl


*  Indicates RPD > 40%




                            INTERNAL STANDARD SUMMARY

                                        Column 1
                              Standard    Sample
              Standard Cpnd      Area*       Area      %D
            --------------------------------------------------
              Bromo-Nitrobenzene    447645      228409  -49.0
              Hexabromobiphenyl     798898      539260  -32.5

                                        Column 2
                              Standard    Sample
              Standard Cpnd      Area*       Area      %D
            --------------------------------------------------
              Bromo-Nitrobenzene    249094     153760   -38.3
              Hexabromobiphenyl     362541     287963   -20.6


             * Standard Areas taken from Initial Cal Level 3
               Initial Calibration Date: 03-DEC-2022
            <- Indicates standard response outside Limits (-50 to +100%)
```

```
//target/share/chem4/ecd7.i/230107.b/01072315ECD7.D      AR1660CCV2                       page 2
                              ZB5 Col                               ZB35 Col
 Aroclor   Peak#    RT    Shift    Area    Amount    Peak#   RT     Shift    Area   Amount
 =========================================================================================
 Aroclor-1016 1   7.290  -0.004     21055   276.3      1    7.272  -0.001    20337   258.7
 Aroclor-1016 2   7.679  -0.005     65201   265.1      2    7.872  -0.001    34173   201.6
 Aroclor-1016 3   7.813  -0.004     31366   281.4      3    8.071   0.000    18500   254.1
 Aroclor-1016 4   8.424  -0.005     20717   291.5      4    8.242  -0.002    10403   271.7
       Total Col1Ave (4 peaks):   278.6       Total Col2Ave (4 peaks):   246.5   RPD = 12
       Corrected Ave (3 peaks):   274.3       Corrected Ave (3 peaks):   238.1   RPD = 14

                     CalAmt %D:    11.4                     CalAmt %D:    -1.4

 Aroclor-1260 1  11.055  -0.007     55887   284.7      1   11.662  -0.003    36985   243.3
 Aroclor-1260 2  11.373  -0.004     57261   282.0      2   11.925  -0.003    60999   159.9
 Aroclor-1260 3  11.746  -0.006    150270   281.7      3   12.444  -0.002    25661   252.6
 Aroclor-1260 4  12.151  -0.007     73963   272.3      4   12.508  -0.003    45032   177.1
 Aroclor-1260 5  12.256  -0.005     32785   294.8      NS    ---                     ----
       Total Col1Ave (5 peaks):   283.1       Total Col2Ave (4 peaks):   208.2   RPD = 30
       Corrected Ave (4 peaks):   280.2       Corrected Ave (3 peaks):   193.5   RPD = 37

                     CalAmt %D:    13.2                     CalAmt %D:   -16.7




 Total PCB Area Col1 (5.932 - 13.804) =    1496757     Col1 Total PCB = 0.7 ppm*

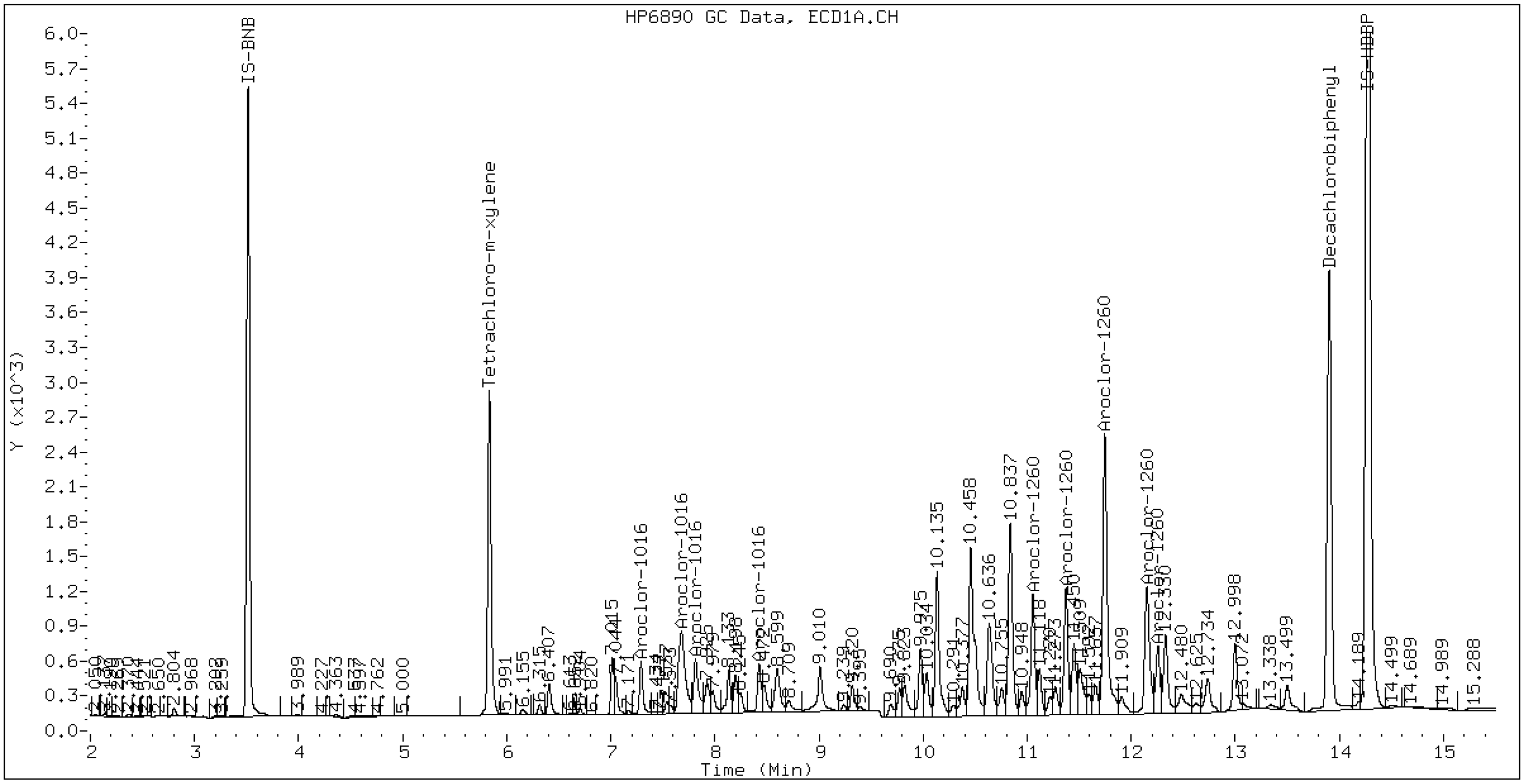
 Total PCB Area Col2 (5.810 - 14.029) =     772581     Col2 Total PCB = 0.5 ppm*


   *  Quantitated against AR1660 0.25ppm in Ical


                                        PCB-Form 10 Mod.
```

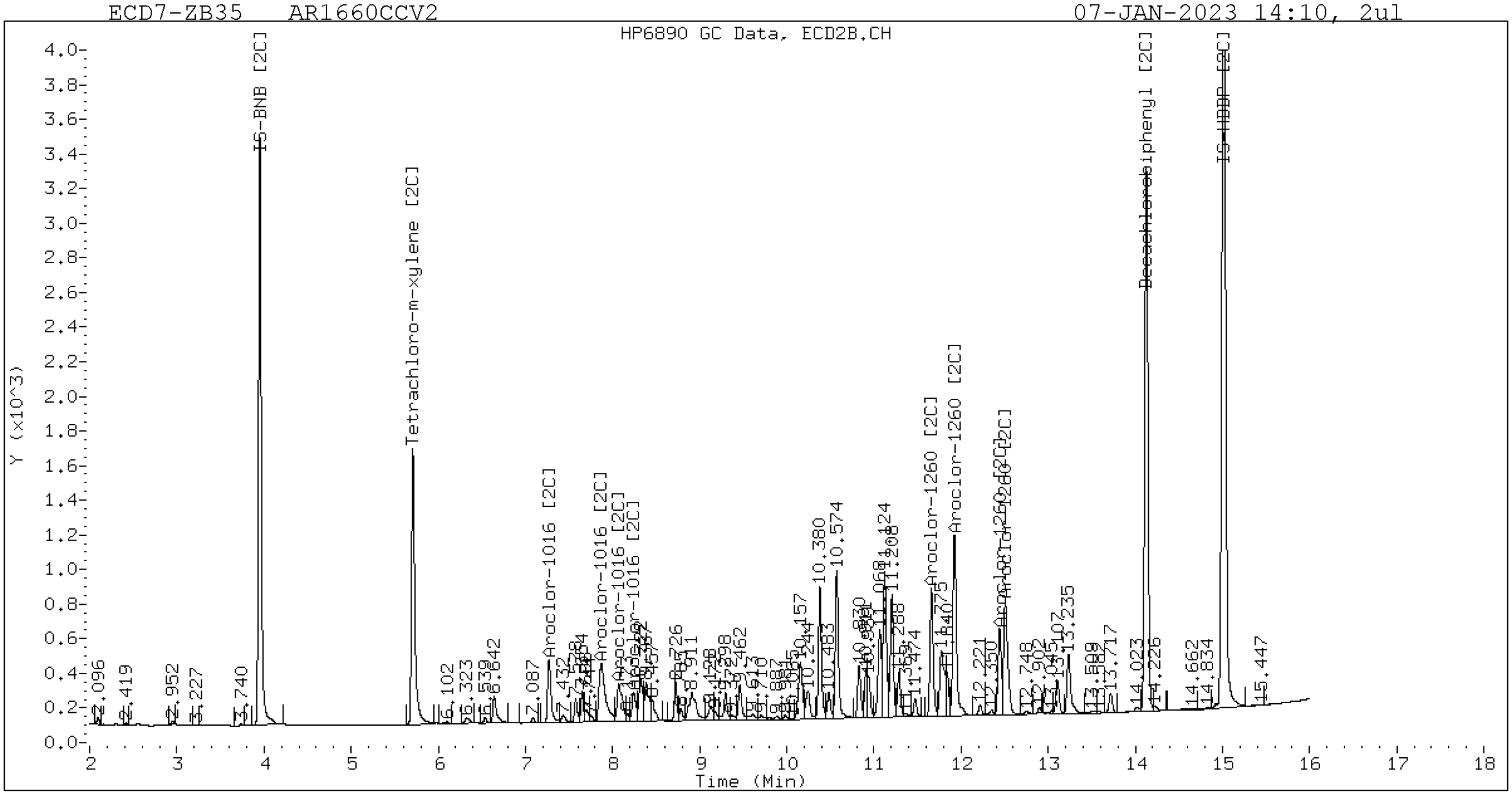
PCB Dual Column Chromatograms

ECD7-ZB5 AR1660CCV2 07-JAN-2023 14:10, 2ul



ZB-5 Manual Integration: NO

ECD7-ZB35 AR1660CCV2 07-JAN-2023 14:10, 2ul



ZB-35 Manual Integration: NO

CONTINUING CALIBRATION CHECK

EPA 8082A

Laboratory:	Analytical Resources, LLC	SDG:	22L0307
Client:	Anchor QEA, LLC	Project:	AOC4 UR Phase 3
Instrument ID:	ECD7	Calibration:	FL00010
Lab File ID:	01072339ECD7.D	Calibration Date:	12/03/2022
Sequence:	SLA0099	Injection Date:	01/07/23
Lab Sample ID:	SLA0099-CCV5	Injection Time:	22:58
Sequence Name:	AR1254CCV5		

COMPOUND	TYPE	CONC. (ug/L)		RESPONSE FACTOR (RRF)			% DRIFT/DIFF	
		STD	CCV	ICAL	CCV	MIN	CCV	LIMIT
Aroclor 1254	A	250.00	275	0.0576965	0.0627122		10.2	+/-20
Aroclor-1254 (1)	A	250.00	270		0.0759843			
Aroclor-1254 (2)	A	250.00	304		0.0333343			
Aroclor-1254 (3)	A	250.00	270		0.0479707			
Aroclor-1254 (4)	A	250.00	270		0.0937486			
Aroclor-1254 (5)	A	250.00	263		0.0625232			
Aroclor 1254 [2C]	A	250.00	273	0.0638047	0.0698045		9.2	+/-20
Aroclor-1254 (1) [2C]	A	250.00	269		0.0555609			
Aroclor-1254 (2) [2C]	A	250.00	273		0.0453233			
Aroclor-1254 (3) [2C]	A	250.00	276		0.0982832			
Aroclor-1254 (4) [2C]	A	250.00	275		0.1014152			
Aroclor-1254 (5) [2C]	A	250.00	272		0.0484401			
Decachlorobiphenyl	A	40.000	40.0	0.7333327	0.7325221		0.0	+/-20
Tetrachlorometaxylene	A	40.000	37.8	1.1336710	1.0723730		-5.5	+/-20
Decachlorobiphenyl [2C]	A	40.000	41.9	1.1358180	1.1909160		4.8	+/-20
Tetrachlorometaxylene [2C]	A	40.000	37.2	1.0966080	1.0193820		-7.0	+/-20

* Values outside of QC limits

* Values outside of QC limits

```
                                 Analytical Resources Inc.
                            Dual Column 608/8082 PCB Quantitation Report

 Data file 1: /230107.b/01072339ECD7.D                    ARI ID: AR1254CCV5
 Data file 2: /230107.b/230107.b/01072339ECD7.D           Client ID:
 Method: \\target\share\chem4\ecd7.i\230107.b\PCB.m       Injection Date: 07-JAN-2023 22:58
 Compound Sublist: AR1254.sub                                Report Date: 01/11/2023 15:12
 Instrument, Inj. Vol.: ecd7.i, 2ul                       Matrix: NONE
 Quant Method: Internal Std                               Dilution Factor:  1.0



                                    SURROGATES

        ZB5 Col          |        ZB35 Col          |   ZB5    ZB35
   RT    Shift Response | RT    Shift  Response  |  on col  on col    RPD   Compound/Flag
 ==========================================================================================

  5.833  0.000   235054 | 5.710   0.001   160653|   37.8    37.2      1.7    Tetrachloro-m-xylene
 13.904  0.000   264728 |14.129   0.001   280503|   40.0    41.9      4.8    Decachlorobiphenyl


*  Indicates RPD > 40%



                                INTERNAL STANDARD SUMMARY

                                            Column 1
                                     Standard    Sample
                  Standard Cpnd       Area*       Area      %D
               --------------------------------------------------
                 Bromo-Nitrobenzene    447645      438381   -2.1
                 Hexabromobiphenyl     798898      722785   -9.5

                                            Column 2
                                     Standard    Sample
                  Standard Cpnd       Area*       Area      %D
               --------------------------------------------------
                 Bromo-Nitrobenzene    249094     315197    26.5
                 Hexabromobiphenyl     362541     471071    29.9


                * Standard Areas taken from Initial Cal Level 3
                  Initial Calibration Date: 03-DEC-2022
               <- Indicates standard response outside Limits (-50 to +100%)
```

```
//target/share/chem4/ecd7.i/230107.b/01072339ECD7.D      AR1254CCV5                     page 2
                              ZB5 Col                                ZB35 Col
 Aroclor    Peak#    RT    Shift    Area    Amount    Peak#   RT     Shift    Area   Amount
 ===========================================================================================
 Aroclor-1254 1   9.316   0.005    104094   269.7      1    9.462   0.001    54727   269.3
 Aroclor-1254 2   9.396   0.008     45666   304.2      2    9.982   0.002    44643   273.2
 Aroclor-1254 3   9.687   0.008     65717   269.6      3   10.135   0.002    96808   275.7
 Aroclor-1254 4   9.825   0.010    128430   270.3      4   10.384   0.001    99893   274.6
 Aroclor-1254 5  10.195   0.028     85653   262.9      5   10.579   0.001    47713   272.0
       Total Col1Ave (5 peaks):   275.3       Total Col2Ave (5 peaks):   273.0   RPD = 1
       Corrected Ave (4 peaks):   268.1       Corrected Ave (4 peaks):   272.3   RPD = 2

                     CalAmt %D:    10.1                      CalAmt %D:     9.2




 Total PCB Area Col1 (5.933 - 13.804) =    1376809     Col1 Total PCB = 0.3 ppm*

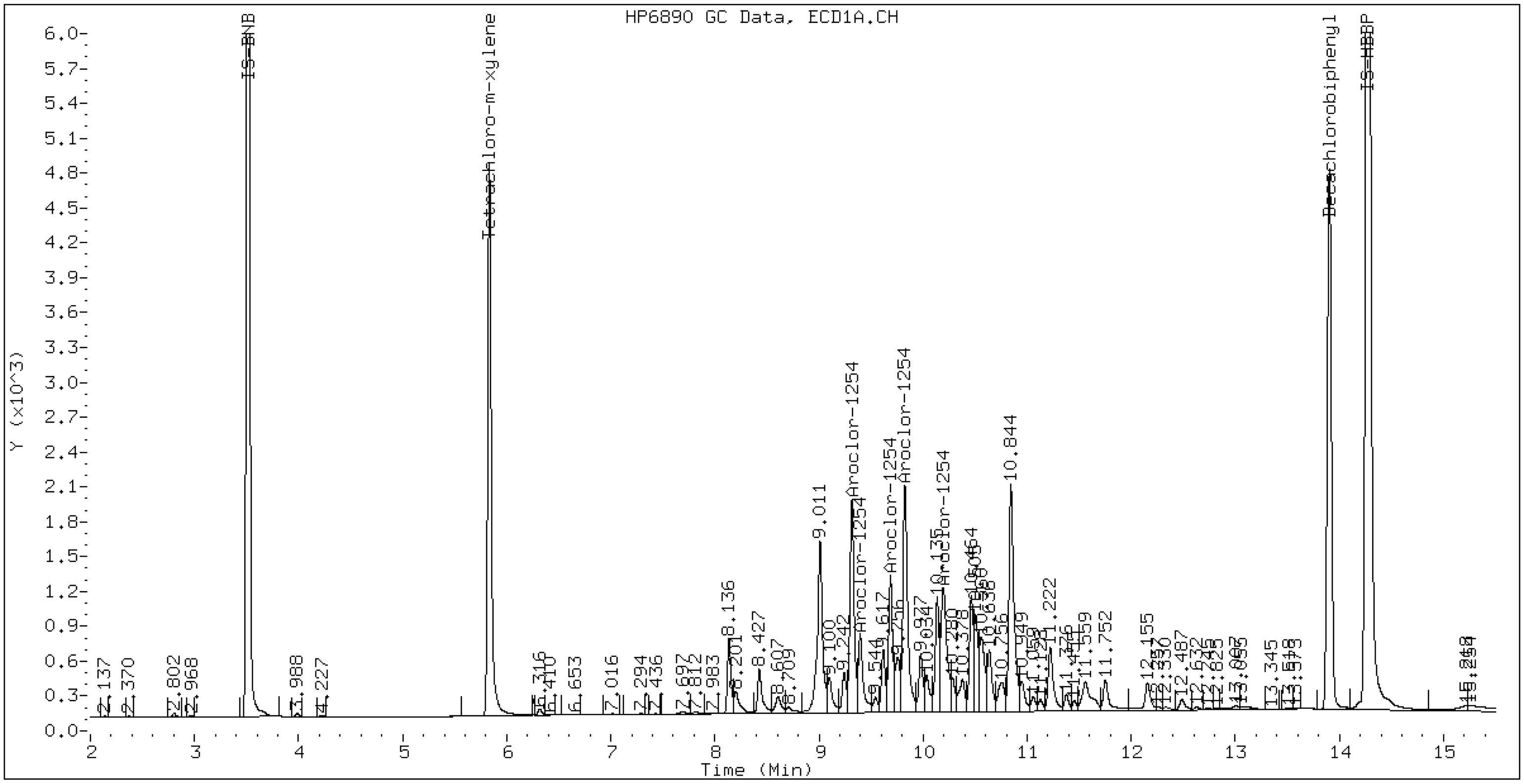
 Total PCB Area Col2 (5.809 - 14.028) =     935532     Col2 Total PCB = 0.3 ppm*


   *  Quantitated against AR1660 0.25ppm in Ical


                                        PCB-Form 10 Mod.
```

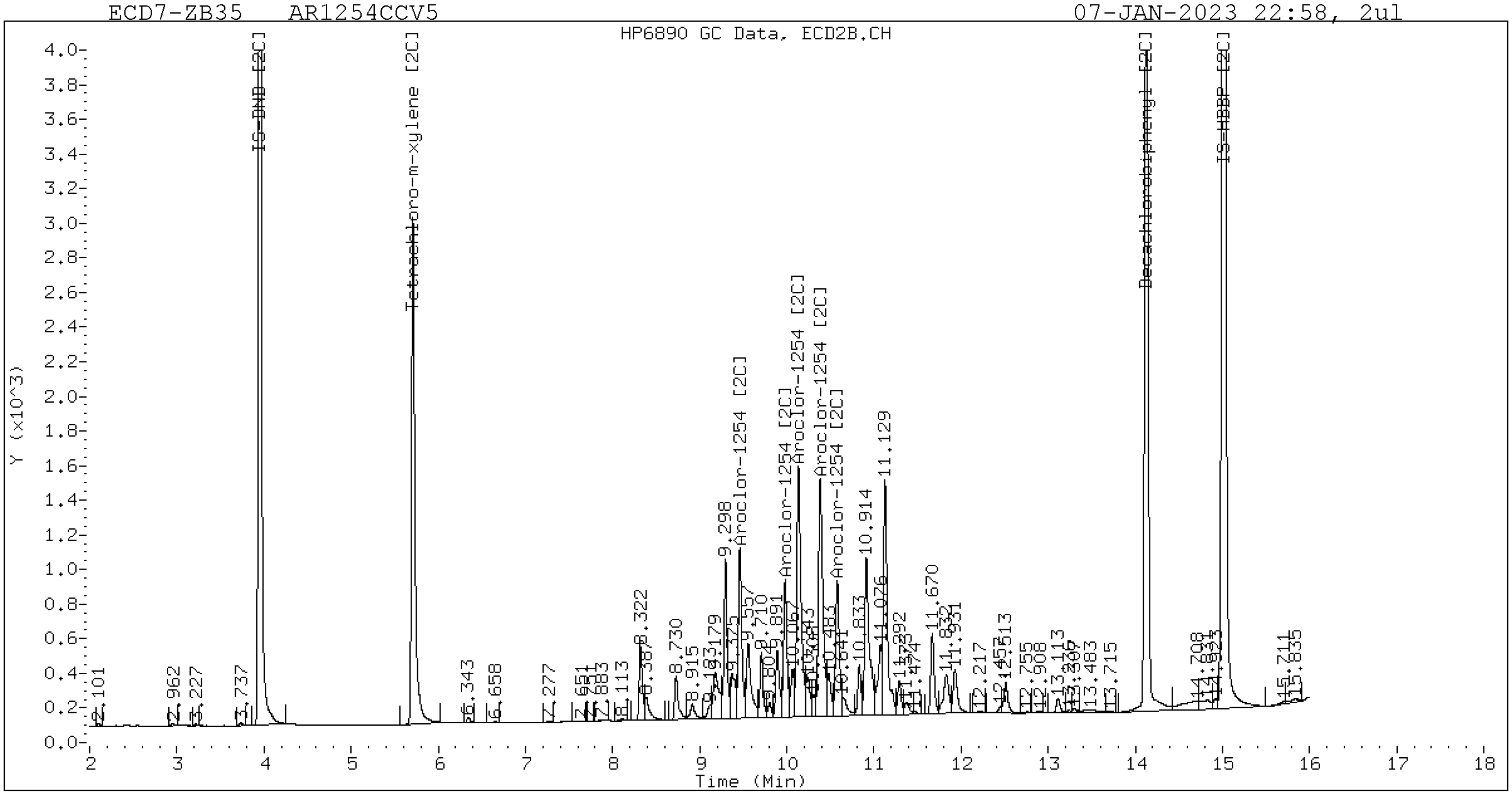
PCB Dual Column Chromatograms

ECD7-ZB5 AR1254CCV5 07-JAN-2023 22:58, 2ul



ZB-5 Manual Integration: NO

ECD7-ZB35 AR1254CCV5 07-JAN-2023 22:58, 2ul

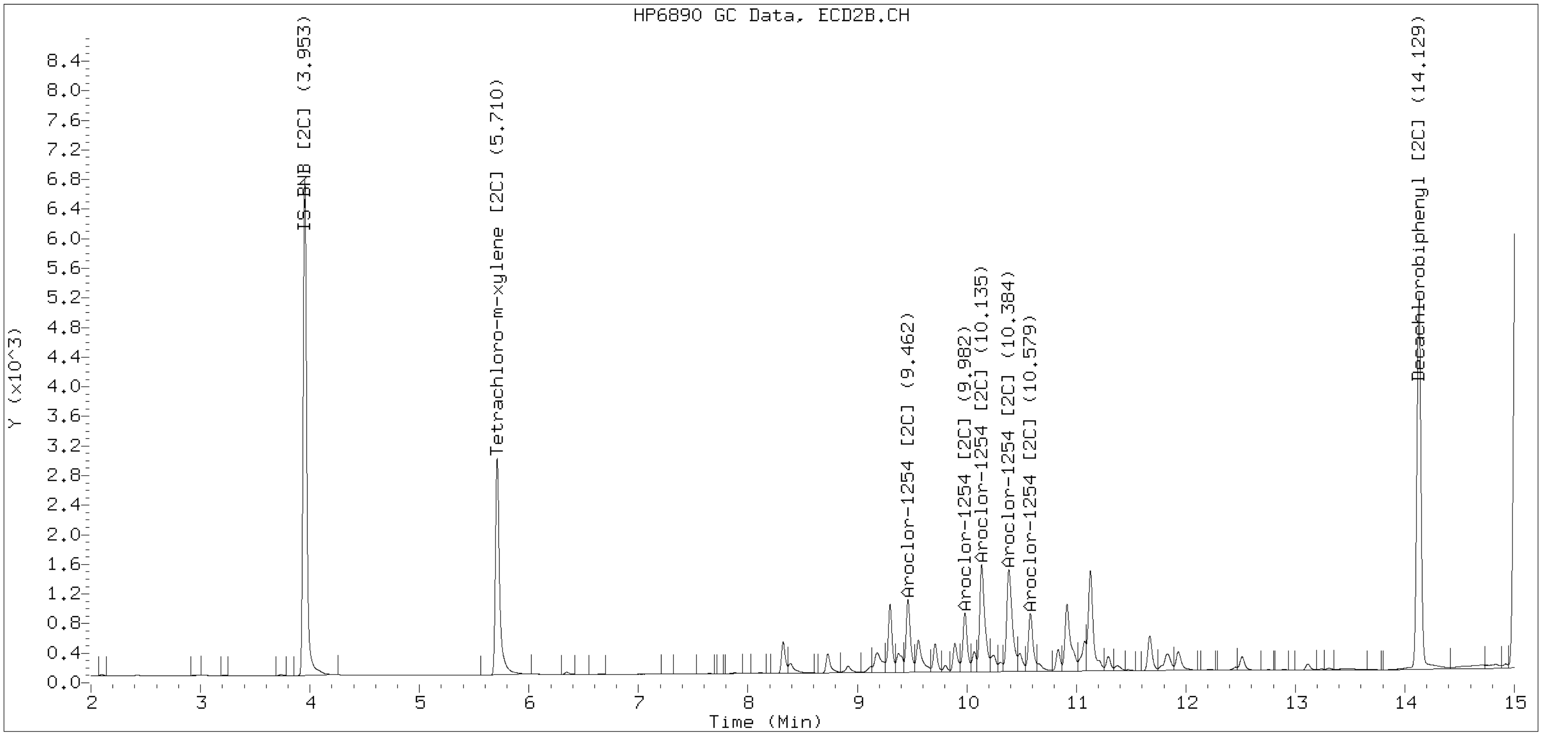


ZB-35 Manual Integration: YES

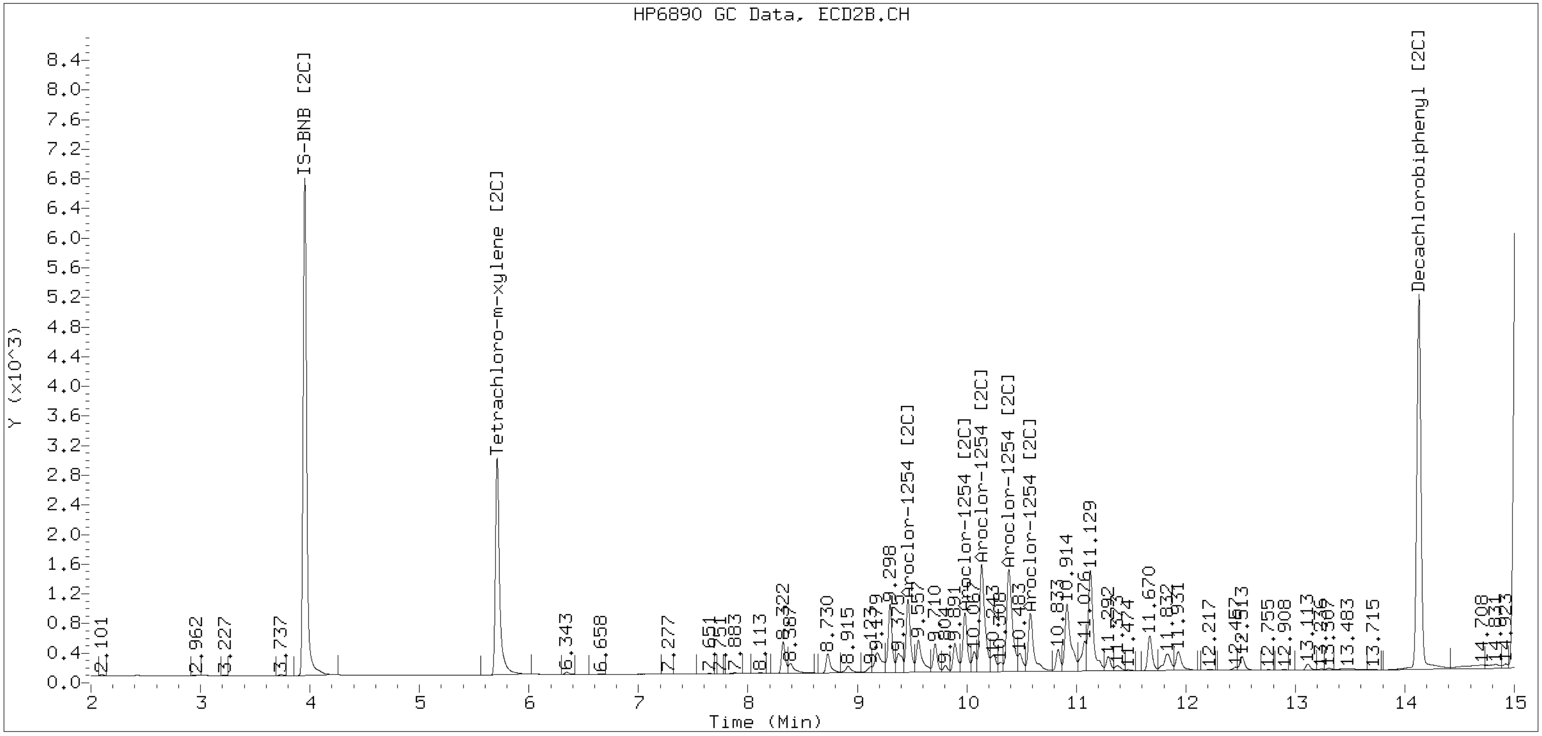
Manual Peak Adjustment, ZB-35

Datafile: ecd7.i/230107.b/230107.b/01072339ECD7.D   Injection Date: 07-JAN-2023

Manual Integration (After)



Processed Integration (Before)



CONTINUING CALIBRATION CHECK

EPA 8082A

Laboratory:	Analytical Resources, LLC	SDG:	22L0307
Client:	Anchor QEA, LLC	Project:	AOC4 UR Phase 3
Instrument ID:	ECD7	Calibration:	FL00010
Lab File ID:	01072340ECD7.D	Calibration Date:	12/03/2022
Sequence:	SLA0099	Injection Date:	01/07/23
Lab Sample ID:	SLA0099-CCV6	Injection Time:	23:19
Sequence Name:	AR1660CCV6		

		CONC. (ug/L)		RESPONSE FACTOR (RRF)			% DRIFT/DIFF	
COMPOUND	TYPE	STD	CCV	ICAL	CCV	MIN	CCV	LIMIT
Aroclor 1016	A	250.00	267	0.0441939	0.0468508		6.8	+/-20
Aroclor-1016 (1)	A	250.00	266	0.0266860	0.0284225		6.4	
Aroclor-1016 (2)	A	250.00	258	0.0861572	0.0890849		3.2	
Aroclor-1016 (3)	A	250.00	278	0.0390425	0.0433875		11.2	
Aroclor-1016 (4)	A	250.00	266	0.0248899	0.0265081		6.4	
Aroclor 1016 [2C]	A	250.00	247	0.0467310	0.0463983		-1.1	+/-20
Aroclor-1016 (1) [2C]	A	250.00	248	0.0409030	0.0405414		-0.8	
Aroclor-1016 (2) [2C]	A	250.00	250	0.0882154	0.0884104		0.0	
Aroclor-1016 (3) [2C]	A	250.00	243	0.0378846	0.0368692		-2.8	
Aroclor-1016 (4) [2C]	A	250.00	248	0.0199212	0.0197722		-0.8	
Aroclor 1260	A	250.00	269	0.0390342	0.0420910		7.6	+/-20
Aroclor-1260 (1)	A	250.00	267	0.0291201	0.0311492		6.8	
Aroclor-1260 (2)	A	250.00	270	0.0301181	0.0325299		8.0	
Aroclor-1260 (3)	A	250.00	271	0.0791351	0.0858796		8.4	
Aroclor-1260 (4)	A	250.00	267	0.0403003	0.0430520		6.8	
Aroclor-1260 (5)	A	250.00	270	0.0164974	0.0178445		8.0	
Aroclor 1260 [2C]	A	250.00	260	0.0617619	0.0648188		3.8	+/-20
Aroclor-1260 (1) [2C]	A	250.00	256	0.0422283	0.0432833		2.4	
Aroclor-1260 (2) [2C]	A	250.00	265	0.1059643	0.1124237		6.0	
Aroclor-1260 (3) [2C]	A	250.00	251	0.0282173	0.0283536		0.4	
Aroclor-1260 (4) [2C]	A	250.00	266	0.0706376	0.0752145		6.4	
Decachlorobiphenyl	A	40.000	41.6	0.7333327	0.7623524		4.0	+/-20
Tetrachlorometaxylene	A	40.000	41.8	1.1336710	1.1834330		4.5	+/-20
Decachlorobiphenyl [2C]	A	40.000	41.6	1.1358180	1.1824720		4.0	+/-20
Tetrachlorometaxylene [2C]	A	40.000	40.9	1.0966080	1.1225350		2.3	+/-20

* Values outside of QC limits

* Values outside of QC limits

```
                          Analytical Resources Inc.
                    Dual Column 608/8082 PCB Quantitation Report

Data file 1: /230107.b/01072340ECD7.D                    ARI ID: AR1660CCV6
Data file 2: /230107.b/230107.b/01072340ECD7.D           Client ID:
Method: \\target\share\chem4\ecd7.i\230107.b\PCB.m      Injection Date: 07-JAN-2023 23:19
Compound Sublist: AR1660.sub                                Report Date: 01/11/2023 15:12
Instrument, Inj. Vol.: ecd7.i, 2ul                       Matrix: NONE
Quant Method: Internal Std                               Dilution Factor:  1.0



                                    SURROGATES

       ZB5 Col         |       ZB35 Col         |   ZB5    ZB35
  RT    Shift Response | RT    Shift  Response  |  on col  on col    RPD   Compound/Flag
==========================================================================================

  5.832 -0.002   267644 | 5.708  -0.001   180131|   41.8    40.9      2.0    Tetrachloro-m-xylene
 13.904 -0.000   352296 |14.128   0.000   319890|   41.6    41.6      0.1    Decachlorobiphenyl


*  Indicates RPD > 40%




                               INTERNAL STANDARD SUMMARY

                                           Column 1
                                    Standard    Sample
                  Standard Cpnd       Area*       Area      %D
              --------------------------------------------------
                Bromo-Nitrobenzene    447645      452318    1.0
                Hexabromobiphenyl     798898      924234   15.7

                                           Column 2
                                    Standard    Sample
                  Standard Cpnd       Area*       Area      %D
              --------------------------------------------------
                Bromo-Nitrobenzene    249094     320936    28.8
                Hexabromobiphenyl     362541     541053    49.2


               * Standard Areas taken from Initial Cal Level 3
                 Initial Calibration Date: 03-DEC-2022
              <- Indicates standard response outside Limits (-50 to +100%)
```

```
                            ZB5 Col                               ZB35 Col
 Aroclor    Peak#    RT    Shift    Area    Amount    Peak#   RT     Shift    Area   Amount
 =========================================================================================
 Aroclor-1016 1   7.289  -0.001    40175   266.3      1    7.271  -0.001    40660   247.8
 Aroclor-1016 2   7.679  -0.001   125921   258.5      2    7.872  -0.001    88669   250.6
 Aroclor-1016 3   7.812  -0.001    61328   277.8      3    8.071   0.000    36977   243.3
 Aroclor-1016 4   8.424  -0.001    37469   266.3      4    8.242  -0.001    19830   248.1
       Total Col1Ave (4 peaks):   267.2       Total Col2Ave (4 peaks):   247.4   RPD = 8
       Corrected Ave (3 peaks):   263.7       Corrected Ave (3 peaks):   246.4   RPD = 7

                     CalAmt %D:     6.9                     CalAmt %D:    -1.0

 Aroclor-1260 1  11.059  -0.001    89966   267.4      1   11.663   0.000    73183   256.2
 Aroclor-1260 2  11.375  -0.001    93954   270.0      2   11.928  -0.001   190085   265.2
 Aroclor-1260 3  11.749  -0.001   248040   271.3      3   12.446   0.001    47940   251.2
 Aroclor-1260 4  12.154   0.001   124344   267.1      4   12.511  -0.000   127172   266.2
 Aroclor-1260 5  12.257   0.000    51539   270.4      NS    ---                     ----
       Total Col1Ave (5 peaks):   269.2       Total Col2Ave (4 peaks):   259.7   RPD = 4
       Corrected Ave (4 peaks):   268.7       Corrected Ave (3 peaks):   257.6   RPD = 4

                     CalAmt %D:     7.7                     CalAmt %D:     3.9




 Total PCB Area Col1 (5.933 - 13.804) =    2512208     Col1 Total PCB = 0.6 ppm*

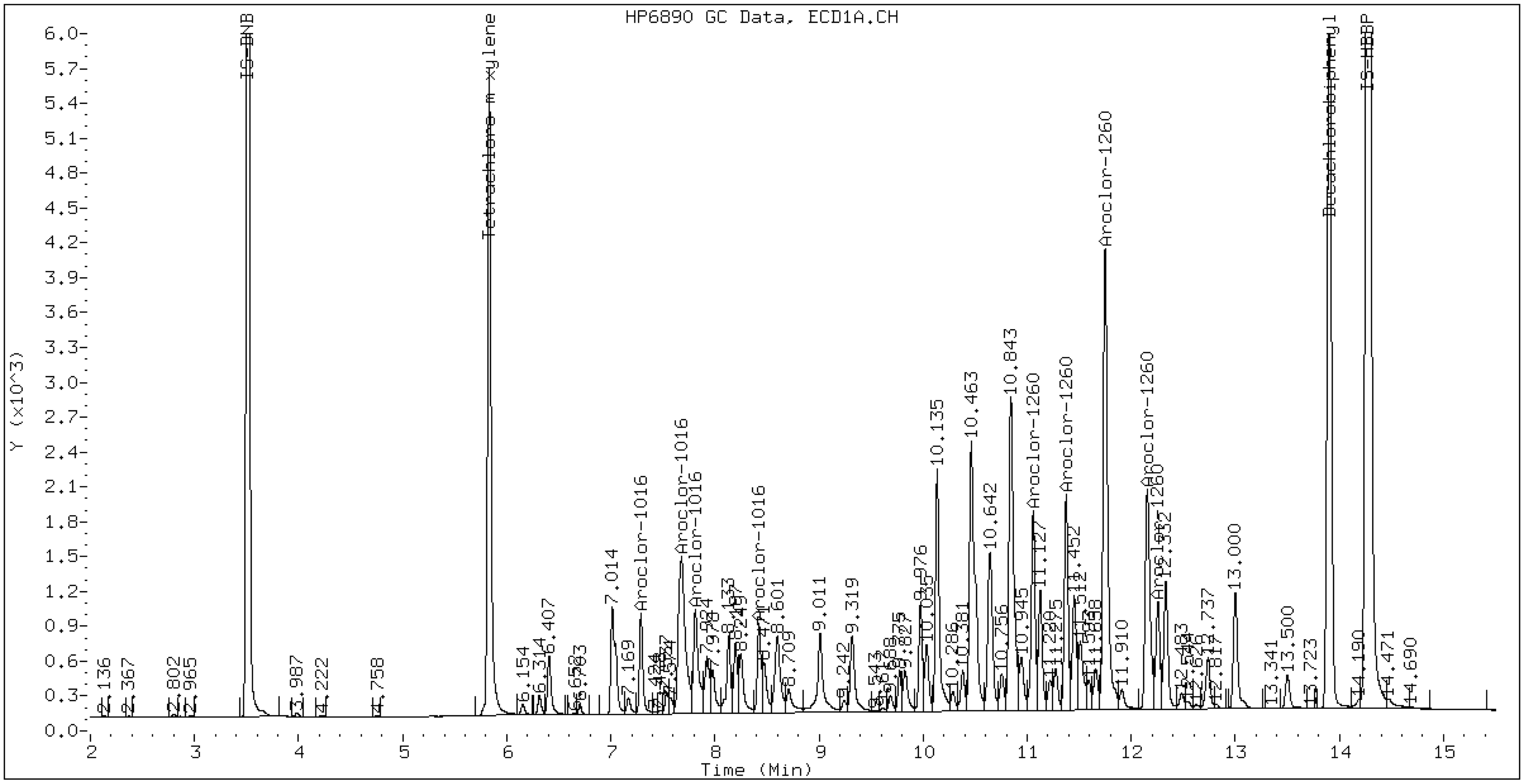
 Total PCB Area Col2 (5.809 - 14.028) =    1697698     Col2 Total PCB = 0.6 ppm*


   *  Quantitated against AR1660 0.25ppm in Ical

                                      PCB-Form 10 Mod.
```

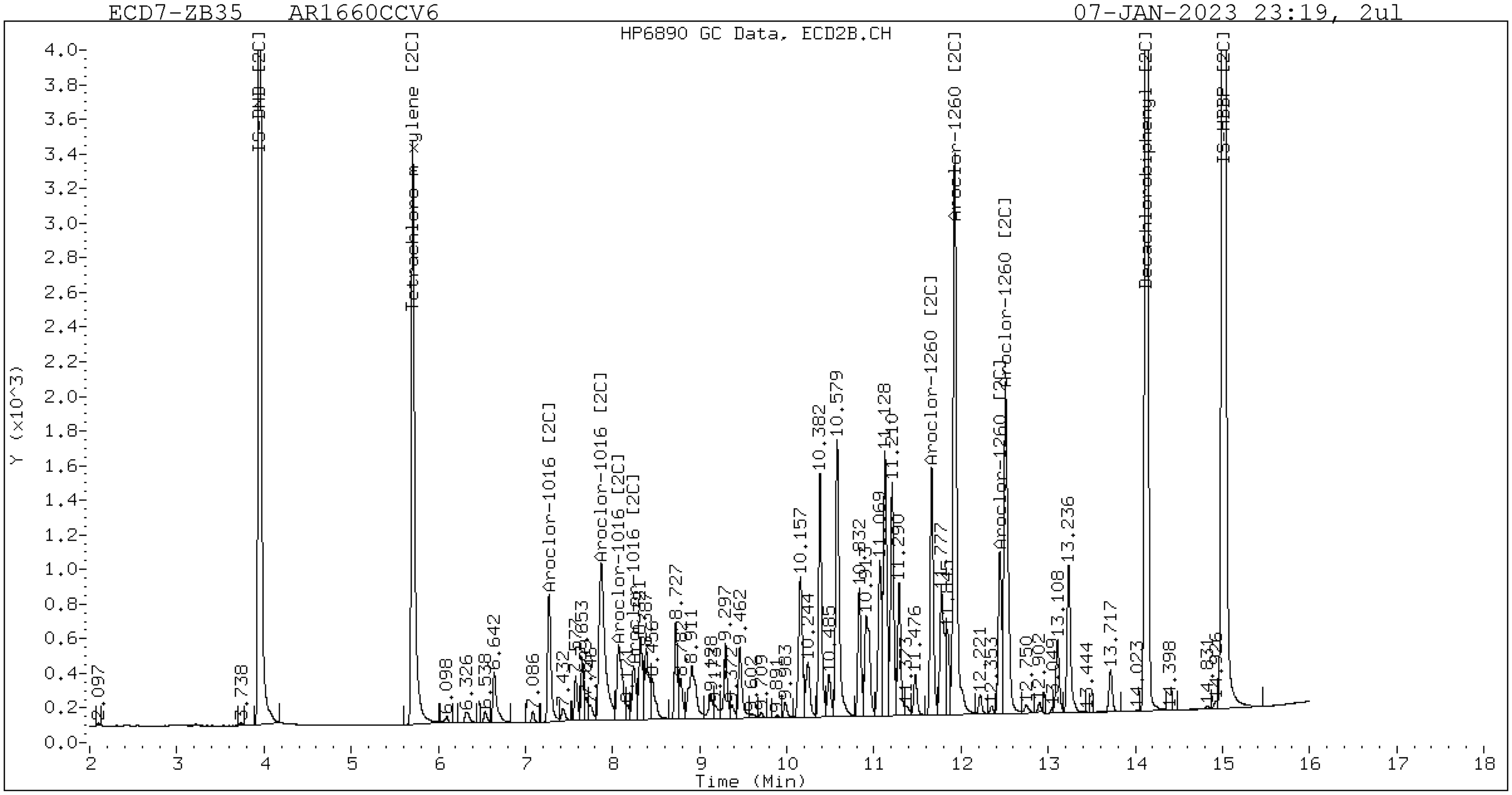
PCB Dual Column Chromatograms

ECD7-ZB5 AR1660CCV6 07-JAN-2023 23:19, 2ul



ZB-5 Manual Integration: NO

ECD7-ZB35 AR1660CCV6 07-JAN-2023 23:19, 2ul



ZB-35 Manual Integration: NO

CONTINUING CALIBRATION CHECK
EPA 8082A

Laboratory:	Analytical Resources, LLC	SDG:	22L0307
Client:	Anchor QEA, LLC	Project:	AOC4 UR Phase 3
Instrument ID:	ECD7	Calibration:	FL00010
Lab File ID:	01072353ECD7.D	Calibration Date:	12/03/2022
Sequence:	SLA0099	Injection Date:	01/08/23
Lab Sample ID:	SLA0099-CCV7	Injection Time:	03:53
Sequence Name:	AR1248CCV7		

		CONC. (ug/L)		RESPONSE FACTOR (RRF)			% DRIFT/DIFF	
COMPOUND	TYPE	STD	CCV	ICAL	CCV	MIN	CCV	LIMIT
Aroclor 1248	A	250.00	266	0.0490062	0.0503704		6.5	+/-20
Aroclor-1248 (1)	A	250.00	272		0.0373769			
Aroclor-1248 (2)	A	250.00	282		0.0496087			
Aroclor-1248 (3)	A	250.00	219		0.0693528			
Aroclor-1248 (4)	A	250.00	292		0.0451431			
Aroclor 1248 [2C]	A	250.00	263	0.0394876	0.0416786		5.1	+/-20
Aroclor-1248 (1) [2C]	A	250.00	254		0.0331715			
Aroclor-1248 (2) [2C]	A	250.00	257		0.0352942			
Aroclor-1248 (3) [2C]	A	250.00	267		0.0446459			
Aroclor-1248 (4) [2C]	A	250.00	273		0.0536027			
Decachlorobiphenyl	A	40.000	40.8	0.7333327	0.7474328		2.0	+/-20
Tetrachlorometaxylene	A	40.000	36.8	1.1336710	1.0430080		-8.0	+/-20
Decachlorobiphenyl [2C]	A	40.000	43.1	1.1358180	1.2240980		7.8	+/-20
Tetrachlorometaxylene [2C]	A	40.000	36.1	1.0966080	0.9889712		-9.8	+/-20

* Values outside of QC limits

* Values outside of QC limits

```
                              Analytical Resources Inc.
                         Dual Column 608/8082 PCB Quantitation Report

 Data file 1: /230107.b/01072353ECD7.D                      ARI ID: AR1248CCV7
 Data file 2: /230107.b/230107.b/01072353ECD7.D             Client ID:
 Method: \\target\share\chem4\ecd7.i\230107.b\PCB.m         Injection Date: 08-JAN-2023 03:53
 Compound Sublist: AR1248.sub                                  Report Date: 01/11/2023 15:13
 Instrument, Inj. Vol.: ecd7.i, 2ul                         Matrix: NONE
 Quant Method: Internal Std                                 Dilution Factor:  1.0



                                  SURROGATES

        ZB5 Col          |        ZB35 Col         |   ZB5    ZB35
   RT    Shift Response | RT    Shift  Response  |  on col  on col    RPD   Compound/Flag
 ===========================================================================================

  5.833 -0.000   233189 | 5.710   0.001   158629|   36.8    36.1      2.0    Tetrachloro-m-xylene
 13.904  0.000   293728 |14.128   0.000   280037|   40.8    43.1      5.6    Decachlorobiphenyl


*  Indicates RPD > 40%



                             INTERNAL STANDARD SUMMARY

                                         Column 1
                                  Standard    Sample
                  Standard Cpnd     Area*       Area      %D
               ---------------------------------------------------
                 Bromo-Nitrobenzene    447645      447147   -0.1
                 Hexabromobiphenyl     798898      785965   -1.6

                                         Column 2
                                  Standard    Sample
                  Standard Cpnd     Area*       Area      %D
               ---------------------------------------------------
                 Bromo-Nitrobenzene    249094     320796    28.8
                 Hexabromobiphenyl     362541     457540    26.2


                * Standard Areas taken from Initial Cal Level 3
                  Initial Calibration Date: 03-DEC-2022
               <- Indicates standard response outside Limits (-50 to +100%)
```

```
//target/share/chem4/ecd7.i/230107.b/01072353ECD7.D      AR1248CCV7                      page 2
                                 ZB5 Col                                 ZB35 Col
 Aroclor    Peak#    RT    Shift    Area    Amount    Peak#   RT     Shift    Area   Amount
 ===========================================================================================
 Aroclor-1248 1   8.424  -0.000     52228   271.7      1    8.322  -0.001    33254   253.7
 Aroclor-1248 2   8.599  -0.003     69320   282.4      2    8.729   0.000    35382   256.7
 Aroclor-1248 3   9.018  -0.001     96909   219.5      3    9.176  -0.003    44757   266.9
 Aroclor-1248 4   9.313   0.000     63080   291.6      4    9.600  -0.002    53736   273.0
       Total Col1Ave (4 peaks):   266.3       Total Col2Ave (4 peaks):   262.6   RPD = 1
       Corrected Ave (3 peaks):   257.8       Corrected Ave (3 peaks):   259.1   RPD = 0

                     CalAmt %D:     6.5                     CalAmt %D:     5.0




 Total PCB Area Col1 (5.933 - 13.804) =    1072861     Col1 Total PCB = 0.3 ppm*

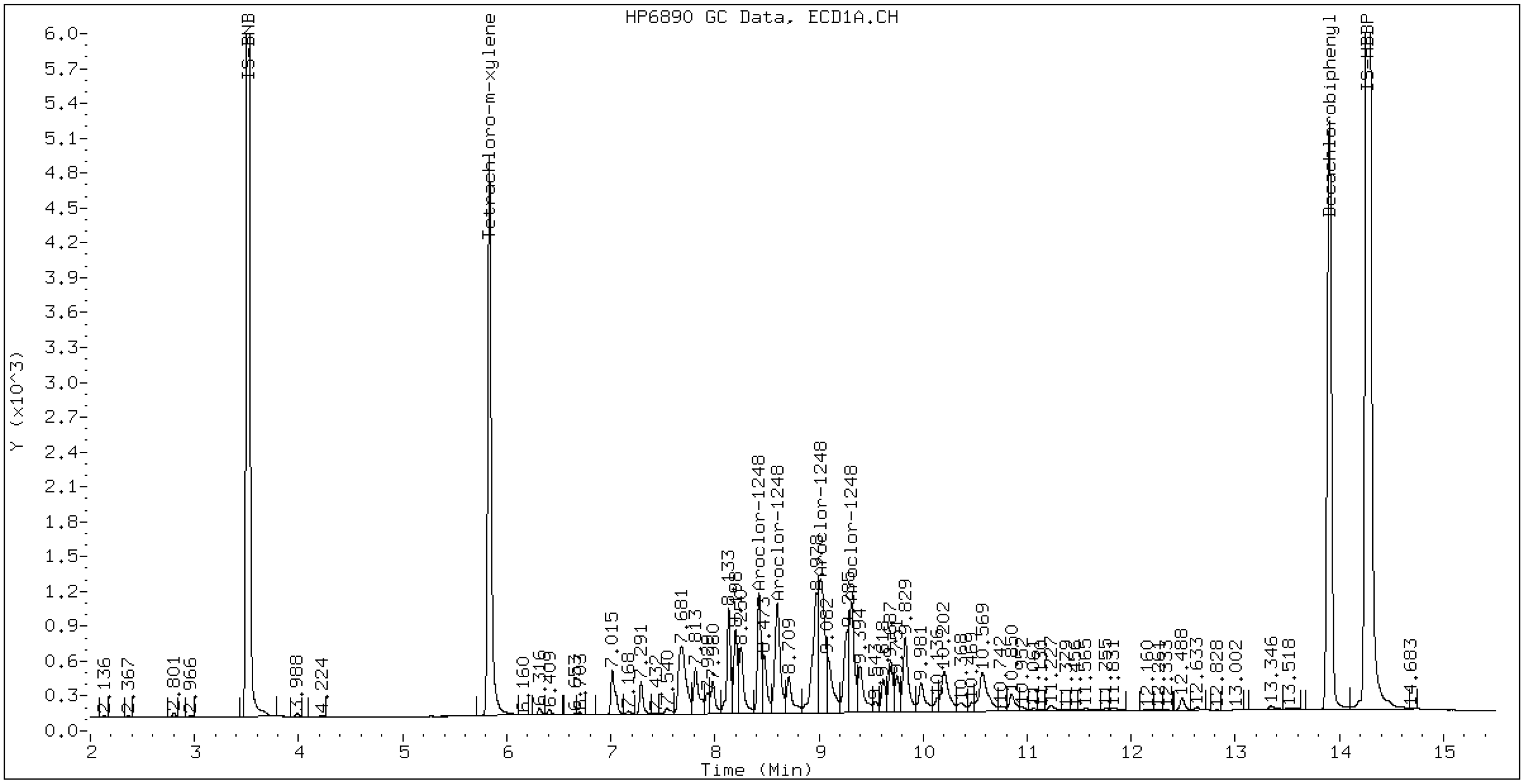
 Total PCB Area Col2 (5.809 - 14.028) =     694327     Col2 Total PCB = 0.2 ppm*


   *  Quantitated against AR1660 0.25ppm in Ical


                                        PCB-Form 10 Mod.
```

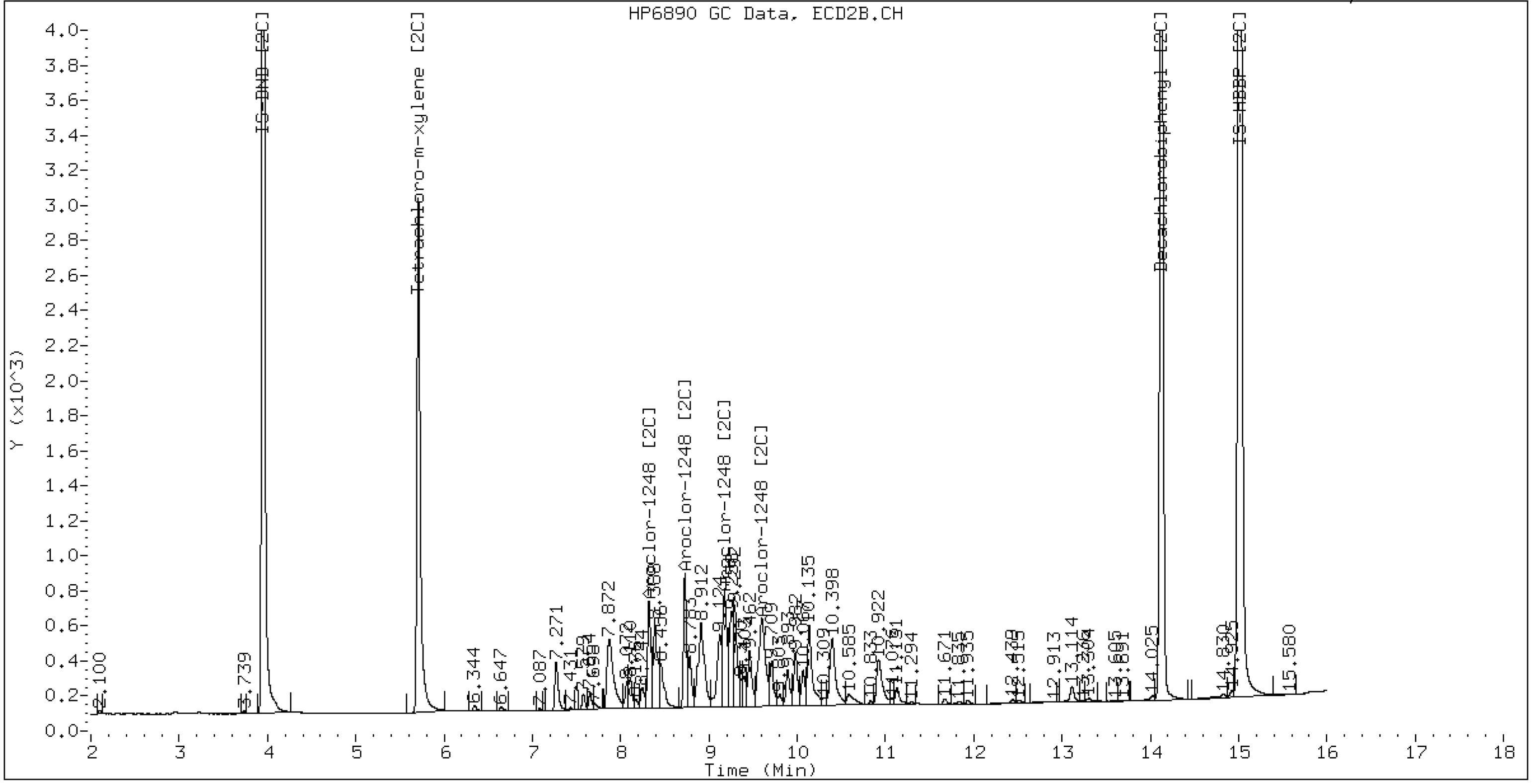
PCB Dual Column Chromatograms

ECD7-ZB5 AR1248CCV7 08-JAN-2023 03:53, 2ul



ZB-5 Manual Integration: YES

ECD7-ZB35 AR1248CCV7 08-JAN-2023 03:53, 2ul

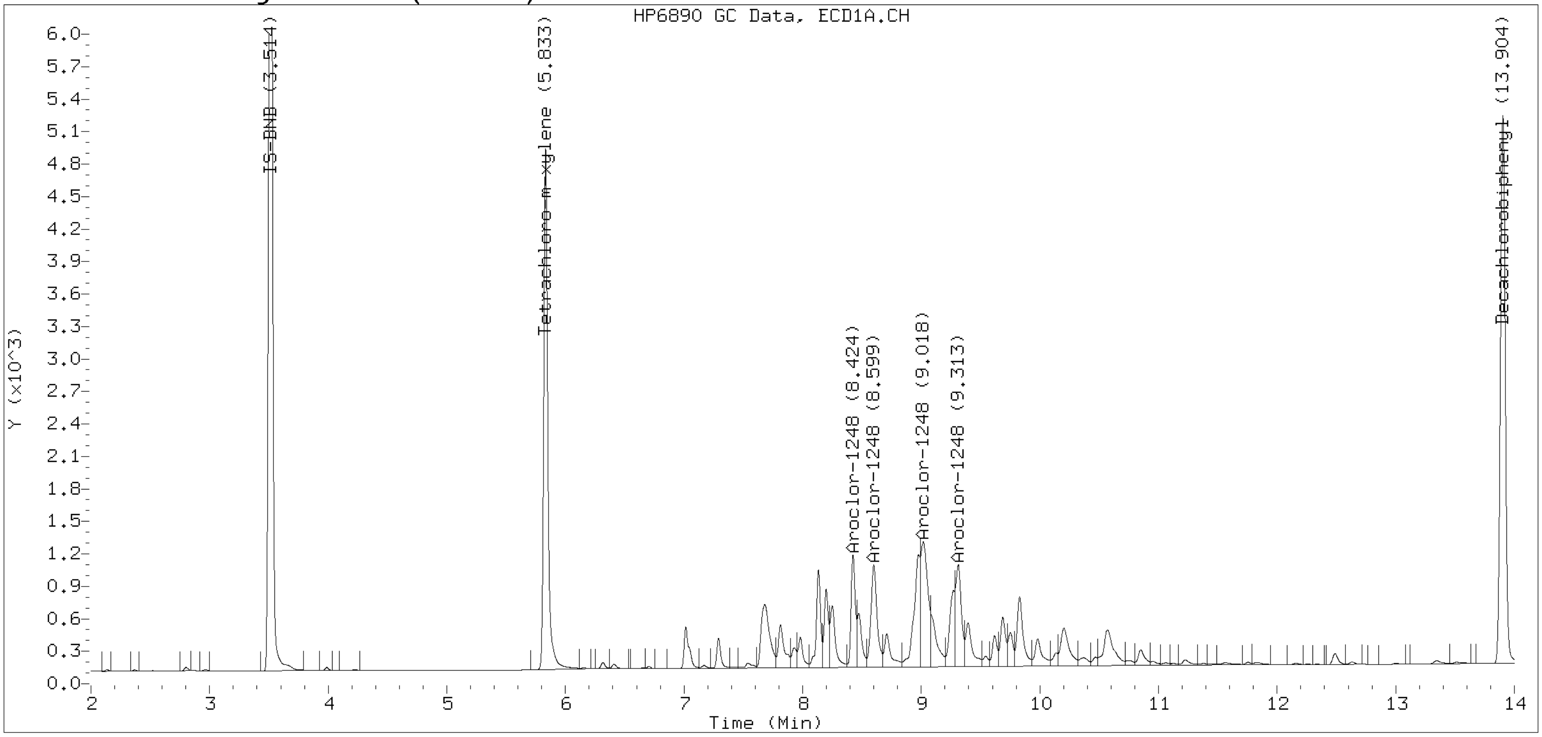


ZB-35 Manual Integration: NO

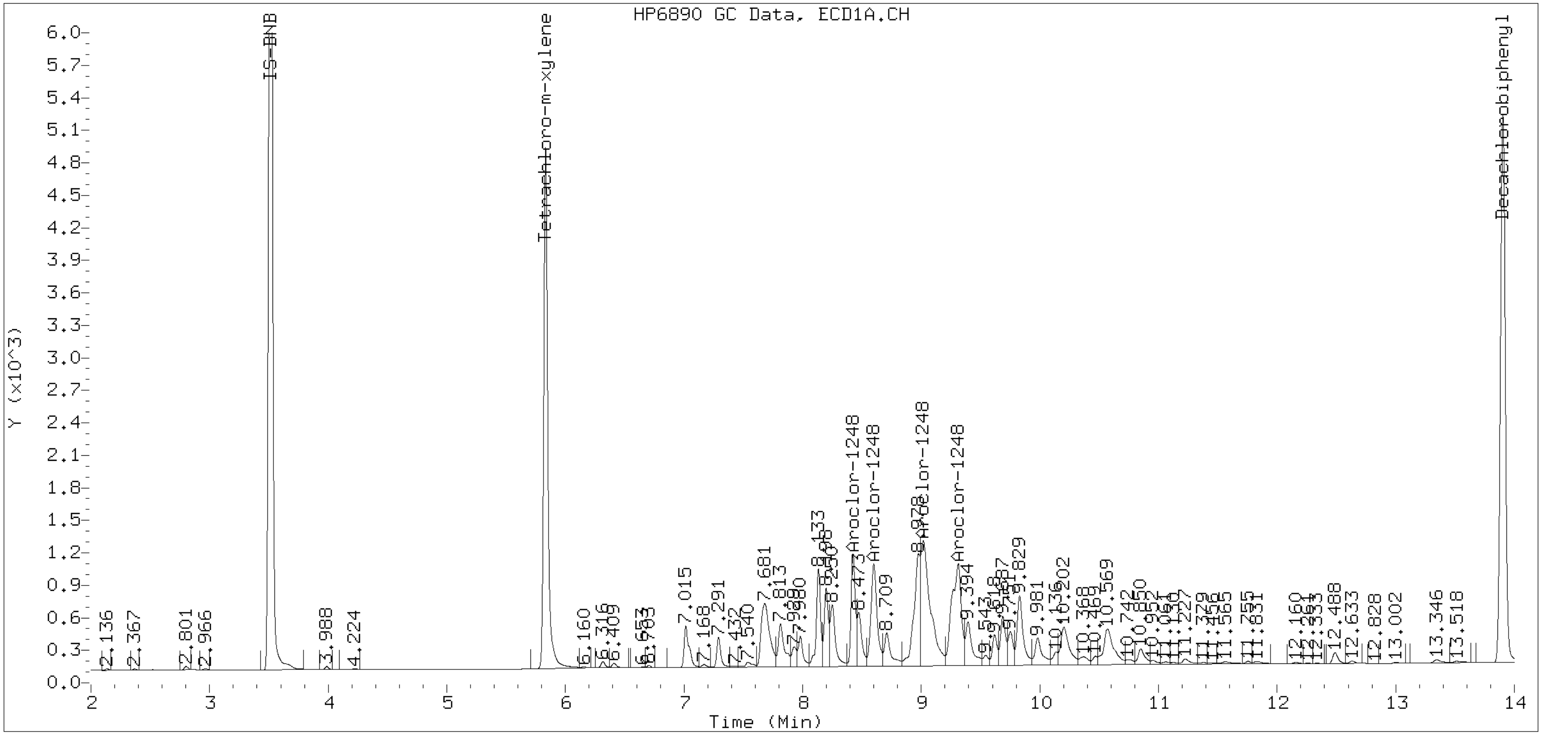
Manual Peak Adjustment, ZB-5

Datafile: ecd7.i/230107.b/01072353ECD7.D   Injection Date: 08-JAN-2023 03:53

Manual Integration (After)



Processed Integration (Before)



CONTINUING CALIBRATION CHECK
EPA 8082A

Laboratory: Analytical Resources, LLC
SDG: 22L0307
Client: Anchor QEA, LLC
Project: AOC4 UR Phase 3
Instrument ID: ECD7
Calibration: FL00010
Lab File ID: 01072354ECD7.D
Calibration Date: 12/03/2022
Sequence: SLA0099
Injection Date: 01/08/23
Lab Sample ID: SLA0099-CCV8
Injection Time: 04:14
Sequence Name: AR1660CCV8

		CONC. (ug/L)		RESPONSE FACTOR (RRF)			% DRIFT/DIFF	
COMPOUND	TYPE	STD	CCV	ICAL	CCV	MIN	CCV	LIMIT
Aroclor 1016	A	250.00	275	0.0441939	0.0481848		9.8	+/-20
Aroclor-1016 (1)	A	250.00	268	0.0266860	0.0286448		7.2	
Aroclor-1016 (2)	A	250.00	267	0.0861572	0.0919919		6.8	
Aroclor-1016 (3)	A	250.00	283	0.0390425	0.0442545		13.2	
Aroclor-1016 (4)	A	250.00	280	0.0248899	0.0278479		12.0	
Aroclor 1016 [2C]	A	250.00	252	0.0467310	0.0472363		0.8	+/-20
Aroclor-1016 (1) [2C]	A	250.00	248	0.0409030	0.0406299		-0.8	
Aroclor-1016 (2) [2C]	A	250.00	256	0.0882154	0.0901585		2.4	
Aroclor-1016 (3) [2C]	A	250.00	251	0.0378846	0.0379980		0.4	
Aroclor-1016 (4) [2C]	A	250.00	253	0.0199212	0.0201589		1.2	
Aroclor 1260	A	250.00	297	0.0390342	0.0465194		19.0	+/-20
Aroclor-1260 (1)	A	250.00	302	0.0291201	0.0352172		20.8	
Aroclor-1260 (2)	A	250.00	310	0.0301181	0.0372965		24.0	
Aroclor-1260 (3)	A	250.00	300	0.0791351	0.0950407		20.0	
Aroclor-1260 (4)	A	250.00	285	0.0403003	0.0459262		14.0	
Aroclor-1260 (5)	A	250.00	290	0.0164974	0.0191163		16.0	
Aroclor 1260 [2C]	A	250.00	266	0.0617619	0.0665385		6.5	+/-20
Aroclor-1260 (1) [2C]	A	250.00	275	0.0422283	0.0464340		10.0	
Aroclor-1260 (2) [2C]	A	250.00	275	0.1059643	0.1166548		10.0	
Aroclor-1260 (3) [2C]	A	250.00	251	0.0282173	0.0283435		0.4	
Aroclor-1260 (4) [2C]	A	250.00	264	0.0706376	0.0747214		5.6	
Decachlorobiphenyl	A	40.000	44.0	0.7333327	0.8065121		10.0	+/-20
Tetrachlorometaxylene	A	40.000	41.6	1.1336710	1.1805170		4.0	+/-20
Decachlorobiphenyl [2C]	A	40.000	40.5	1.1358180	1.1506360		1.3	+/-20
Tetrachlorometaxylene [2C]	A	40.000	39.9	1.0966080	1.0947340		-0.3	+/-20

* Values outside of QC limits

* Values outside of QC limits

```
                                  Analytical Resources Inc.
                             Dual Column 608/8082 PCB Quantitation Report

 Data file 1: /230107.b/01072354ECD7.D                        ARI ID: AR1660CCV8
 Data file 2: /230107.b/230107.b/01072354ECD7.D               Client ID:
 Method: \\target\share\chem4\ecd7.i\230107.b\PCB.m           Injection Date: 08-JAN-2023 04:14
 Compound Sublist: AR1660.sub                                    Report Date: 01/11/2023 15:13
 Instrument, Inj. Vol.: ecd7.i, 2ul                           Matrix: NONE
 Quant Method: Internal Std                                   Dilution Factor:  1.0



                                     SURROGATES

        ZB5 Col          |        ZB35 Col          |   ZB5    ZB35
   RT    Shift Response | RT    Shift  Response   |  on col  on col    RPD   Compound/Flag
 ===========================================================================================

  5.832 -0.001   267576 | 5.709  -0.000   176227|   41.7    39.9      4.2    Tetrachloro-m-xylene
 13.903 -0.001   345315 |14.128  -0.000   288713|   44.0    40.5      8.2    Decachlorobiphenyl


*  Indicates RPD > 40%




                                INTERNAL STANDARD SUMMARY

                                            Column 1
                                     Standard    Sample
                   Standard Cpnd       Area*       Area      %D
               -------------------------------------------------
                 Bromo-Nitrobenzene    447645      453320    1.3
                 Hexabromobiphenyl     798898      856317    7.2

                                            Column 2
                                     Standard    Sample
                   Standard Cpnd       Area*       Area      %D
               -------------------------------------------------
                 Bromo-Nitrobenzene    249094     321954    29.3
                 Hexabromobiphenyl     362541     501832    38.4


                * Standard Areas taken from Initial Cal Level 3
                  Initial Calibration Date: 03-DEC-2022
               <- Indicates standard response outside Limits (-50 to +100%)
```

```
//target/share/chem4/ecd7.i/230107.b/01072354ECD7.D      AR1660CCV8                    page 2
                            ZB5 Col                              ZB35 Col
 Aroclor   Peak#    RT    Shift    Area    Amount    Peak#   RT     Shift    Area   Amount
 =========================================================================================
 Aroclor-1016 1   7.289  -0.001     40579   268.4      1    7.270  -0.001    40878   248.3
 Aroclor-1016 2   7.678  -0.002    130318   266.9      2    7.872  -0.001    90709   255.5
 Aroclor-1016 3   7.813  -0.000     62692   283.4      3    8.070  -0.001    38230   250.7
 Aroclor-1016 4   8.423  -0.002     39450   279.7      4    8.242  -0.001    20282   253.0
       Total Col1Ave (4 peaks):   274.6       Total Col2Ave (4 peaks):   251.9   RPD = 9
       Corrected Ave (3 peaks):   271.7       Corrected Ave (3 peaks):   250.7   RPD = 8

                     CalAmt %D:     9.8                    CalAmt %D:     0.8

 Aroclor-1260 1  11.057  -0.002     94241   302.3      1   11.663   0.000    72819   274.9
 Aroclor-1260 2  11.373  -0.002     99805   309.6      2   11.927  -0.001   182941   275.2
 Aroclor-1260 3  11.748  -0.002    254328   300.2      3   12.445  -0.001    44449   251.1
 Aroclor-1260 4  12.153  -0.001    122898   284.9      4   12.511  -0.000   117180   264.5
 Aroclor-1260 5  12.256  -0.001     51155   289.7      NS    ---                     ----
       Total Col1Ave (5 peaks):   297.4       Total Col2Ave (4 peaks):   266.4   RPD = 11
       Corrected Ave (4 peaks):   294.3       Corrected Ave (3 peaks):   263.5   RPD = 11

                     CalAmt %D:    18.9                    CalAmt %D:     6.6




 Total PCB Area Col1 (5.933 - 13.804) =    2578357     Col1 Total PCB = 0.6 ppm*

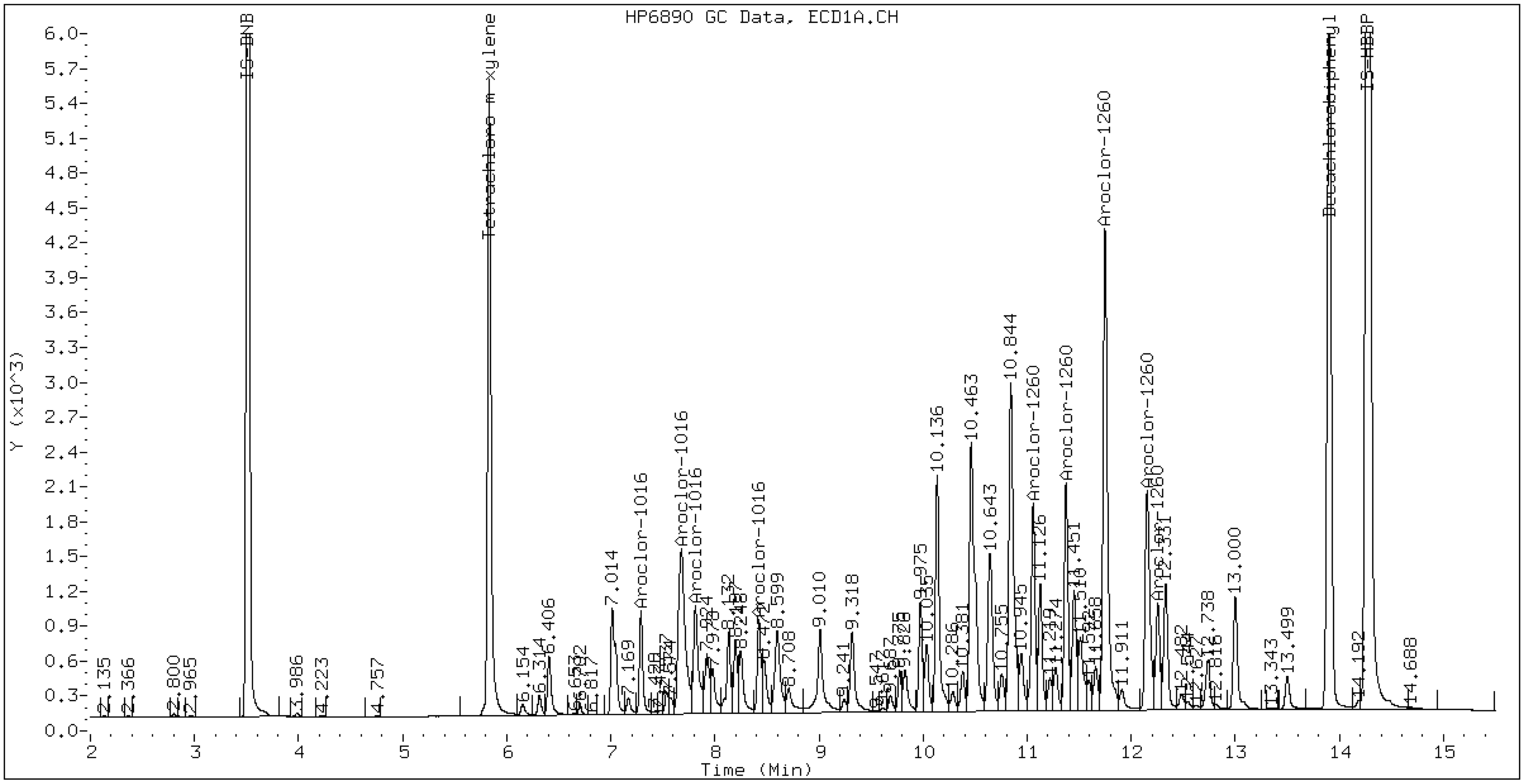
 Total PCB Area Col2 (5.809 - 14.028) =    1713251     Col2 Total PCB = 0.6 ppm*


   *  Quantitated against AR1660 0.25ppm in Ical


                                        PCB-Form 10 Mod.
```

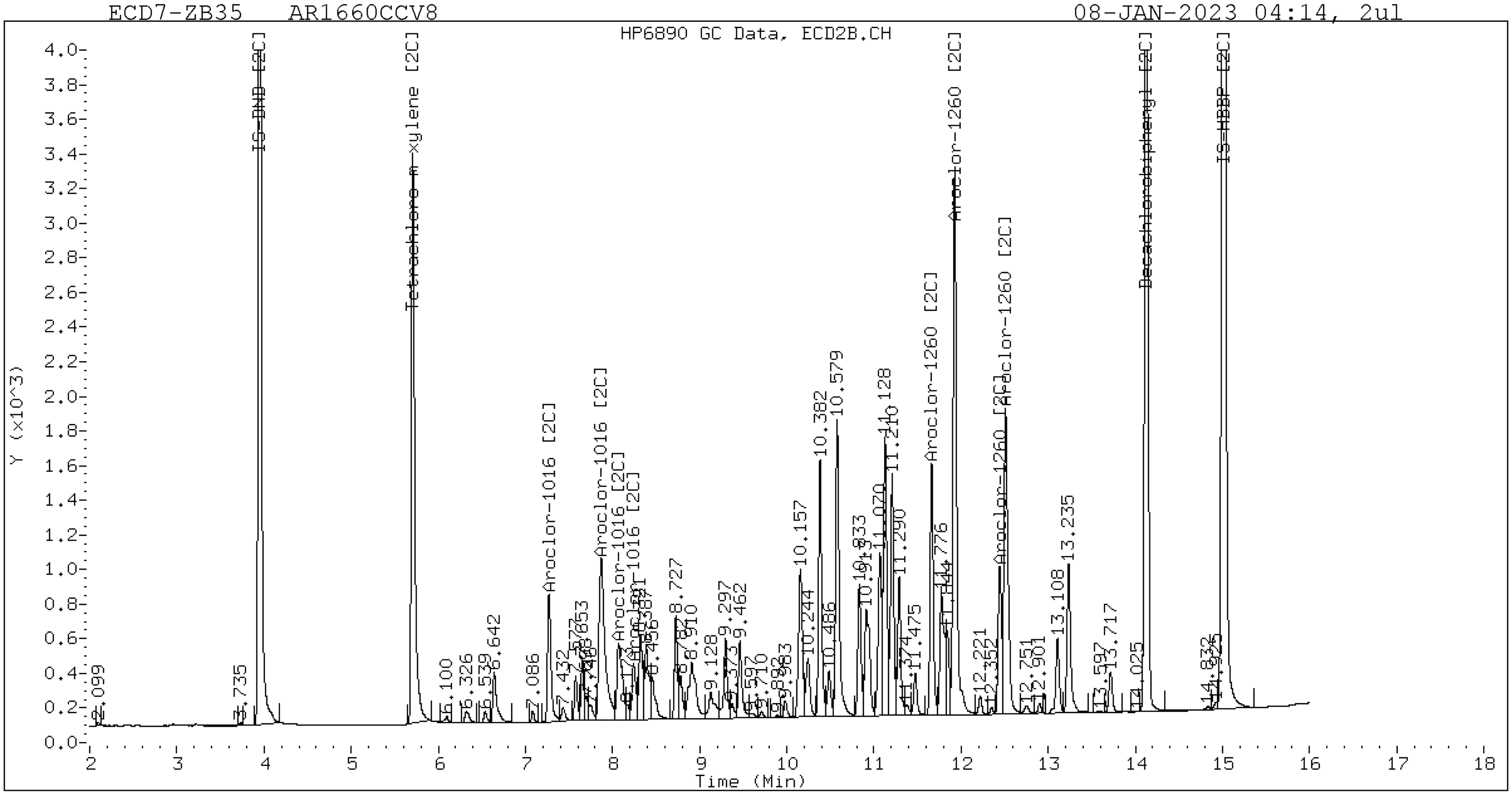
PCB Dual Column Chromatograms

ECD7-ZB5 AR1660CCV8 08-JAN-2023 04:14, 2ul



ZB-5 Manual Integration: NO

ECD7-ZB35 AR1660CCV8 08-JAN-2023 04:14, 2ul



ZB-35 Manual Integration: NO

CONTINUING CALIBRATION CHECK

EPA 8082A

Laboratory:	Analytical Resources, LLC	SDG:	22L0307
Client:	Anchor QEA, LLC	Project:	AOC4 UR Phase 3
Instrument ID:	ECD7	Calibration:	FL00010
Lab File ID:	01072373ECD7.D	Calibration Date:	12/03/2022
Sequence:	SLA0099	Injection Date:	01/08/23
Lab Sample ID:	SLA0099-CCV9	Injection Time:	10:55
Sequence Name:	AR1242CCV9		

		CONC. (ug/L)		RESPONSE FACTOR	(RRF)		% DRIFT/DIFF	
COMPOUND	TYPE	STD	CCV	ICAL	CCV	MIN	CCV	LIMIT
Aroclor 1242	A	250.00	253	0.0396000	0.0397392		1.3	+/-20
Aroclor-1242 (1)	A	250.00	269		0.0244362			
Aroclor-1242 (2)	A	250.00	264		0.0760495			
Aroclor-1242 (3)	A	250.00	270		0.0223335			
Aroclor-1242 (4)	A	250.00	210		0.0361377			
Aroclor 1242 [2C]	A	250.00	265	0.0391981	0.0414367		6.0	+/-20
Aroclor-1242 (1) [2C]	A	250.00	259		0.0351240			
Aroclor-1242 (2) [2C]	A	250.00	263		0.0756755			
Aroclor-1242 (3) [2C]	A	250.00	264		0.0244502			
Aroclor-1242 (4) [2C]	A	250.00	274		0.0304971			
Decachlorobiphenyl	A	40.000	38.6	0.7333327	0.7070243		-3.5	+/-20
Tetrachlorometaxylene	A	40.000	39.4	1.1336710	1.1153490		-1.5	+/-20
Decachlorobiphenyl [2C]	A	40.000	40.7	1.1358180	1.1547190		1.8	+/-20
Tetrachlorometaxylene [2C]	A	40.000	38.2	1.0966080	1.0484500		-4.5	+/-20

* Values outside of QC limits

* Values outside of QC limits

```
                              Analytical Resources Inc.
                         Dual Column 608/8082 PCB Quantitation Report

Data file 1: /230107.b/01072373ECD7.D                    ARI ID: AR1242CCV9
Data file 2: /230107.b/230107.b/01072373ECD7.D           Client ID:
Method: \\target\share\chem4\ecd7.i\230107.b\PCB.m      Injection Date: 08-JAN-2023 10:55
Compound Sublist: AR1242.sub                                Report Date: 01/11/2023 15:13
Instrument, Inj. Vol.: ecd7.i, 2ul                       Matrix: NONE
Quant Method: Internal Std                               Dilution Factor:  1.0



                                  SURROGATES

       ZB5 Col         |       ZB35 Col         |   ZB5    ZB35
  RT    Shift Response | RT    Shift  Response  |  on col  on col    RPD   Compound/Flag
==========================================================================================

  5.833 -0.000   249943 | 5.709   0.000   166811|   39.4    38.2      2.9    Tetrachloro-m-xylene
 13.903 -0.001   326279 |14.129   0.000   312755|   38.6    40.7      5.3    Decachlorobiphenyl


*  Indicates RPD > 40%



                        INTERNAL STANDARD SUMMARY

                                    Column 1
                             Standard    Sample
               Standard Cpnd       Area*       Area      %D
            --------------------------------------------------
              Bromo-Nitrobenzene    447645      448188    0.1
              Hexabromobiphenyl     798898      922964   15.5

                                    Column 2
                             Standard    Sample
               Standard Cpnd       Area*       Area      %D
            --------------------------------------------------
              Bromo-Nitrobenzene    249094     318205    27.7
              Hexabromobiphenyl     362541     541699    49.4


             * Standard Areas taken from Initial Cal Level 3
               Initial Calibration Date: 03-DEC-2022
            <- Indicates standard response outside Limits (-50 to +100%)
```

```
                              ZB5 Col                                 ZB35 Col
 Aroclor    Peak#    RT    Shift    Area    Amount    Peak#   RT     Shift    Area   Amount
 =========================================================================================
 Aroclor-1242 1   7.291   0.000     34225   269.4      1    7.272   0.000    34927   259.3
 Aroclor-1242 2   7.682   0.000    106514   264.1      2    7.873   0.000    75251   263.2
 Aroclor-1242 3   8.425   0.000     31280   269.5      3    9.180   0.000    24313   263.6
 Aroclor-1242 4   9.021   0.000     50614   210.0      4    9.606   0.000    30326   273.6
       Total Col1Ave (4 peaks):   253.3       Total Col2Ave (4 peaks):   264.9   RPD = 5
       Corrected Ave (3 peaks):   247.8       Corrected Ave (3 peaks):   262.1   RPD = 6

                    CalAmt %D:     1.3                   CalAmt %D:     6.0





 Total PCB Area Col1 (5.933 - 13.804) =     843396     Col1 Total PCB = 0.2 ppm*

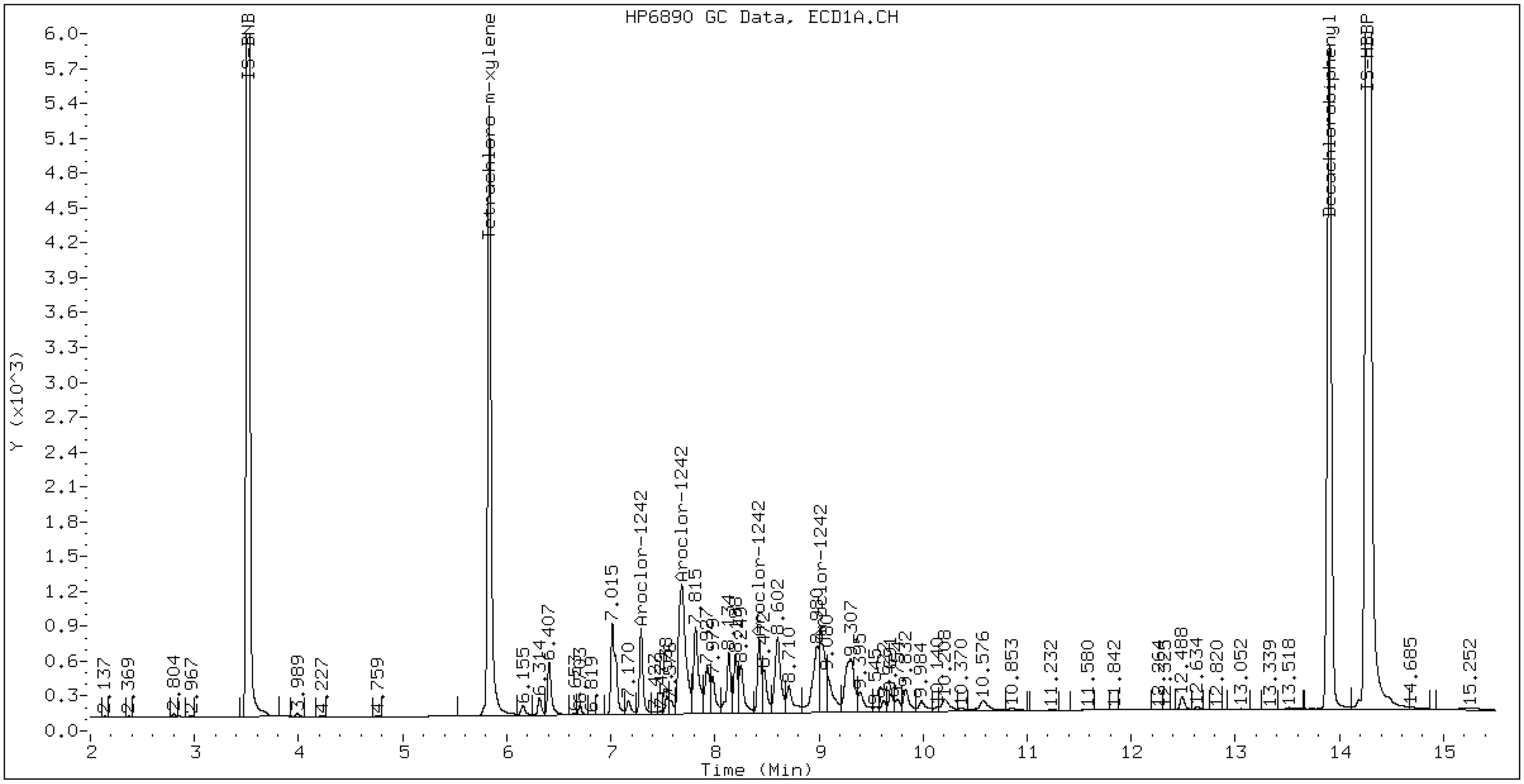
 Total PCB Area Col2 (5.809 - 14.028) =     545209     Col2 Total PCB = 0.2 ppm*


   *  Quantitated against AR1660 0.25ppm in Ical


                                        PCB-Form 10 Mod.
```

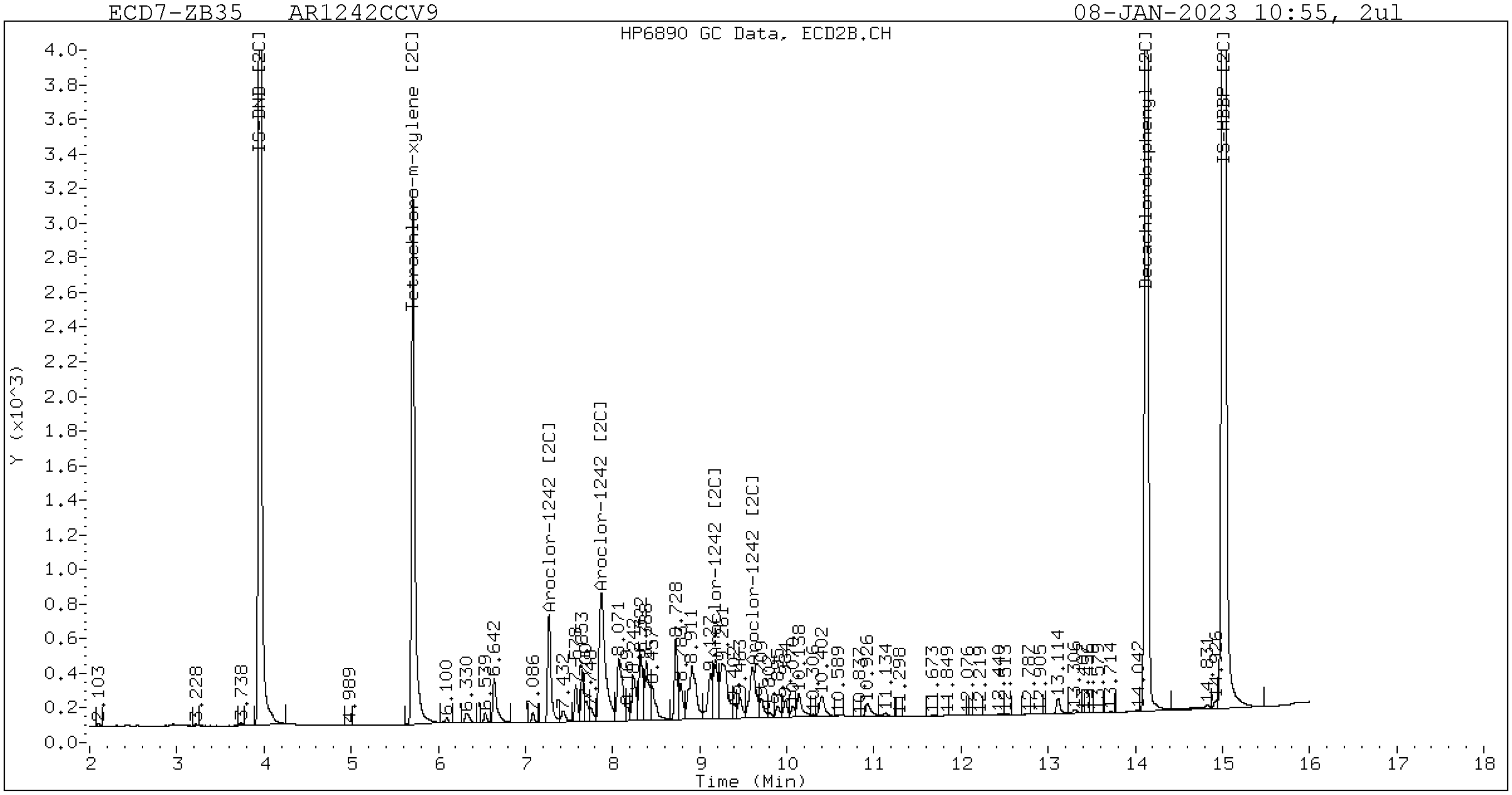
PCB Dual Column Chromatograms

ECD7-ZB5 AR1242CCV9 08-JAN-2023 10:55, 2ul



ZB-5 Manual Integration: YES

ECD7-ZB35 AR1242CCV9 08-JAN-2023 10:55, 2ul

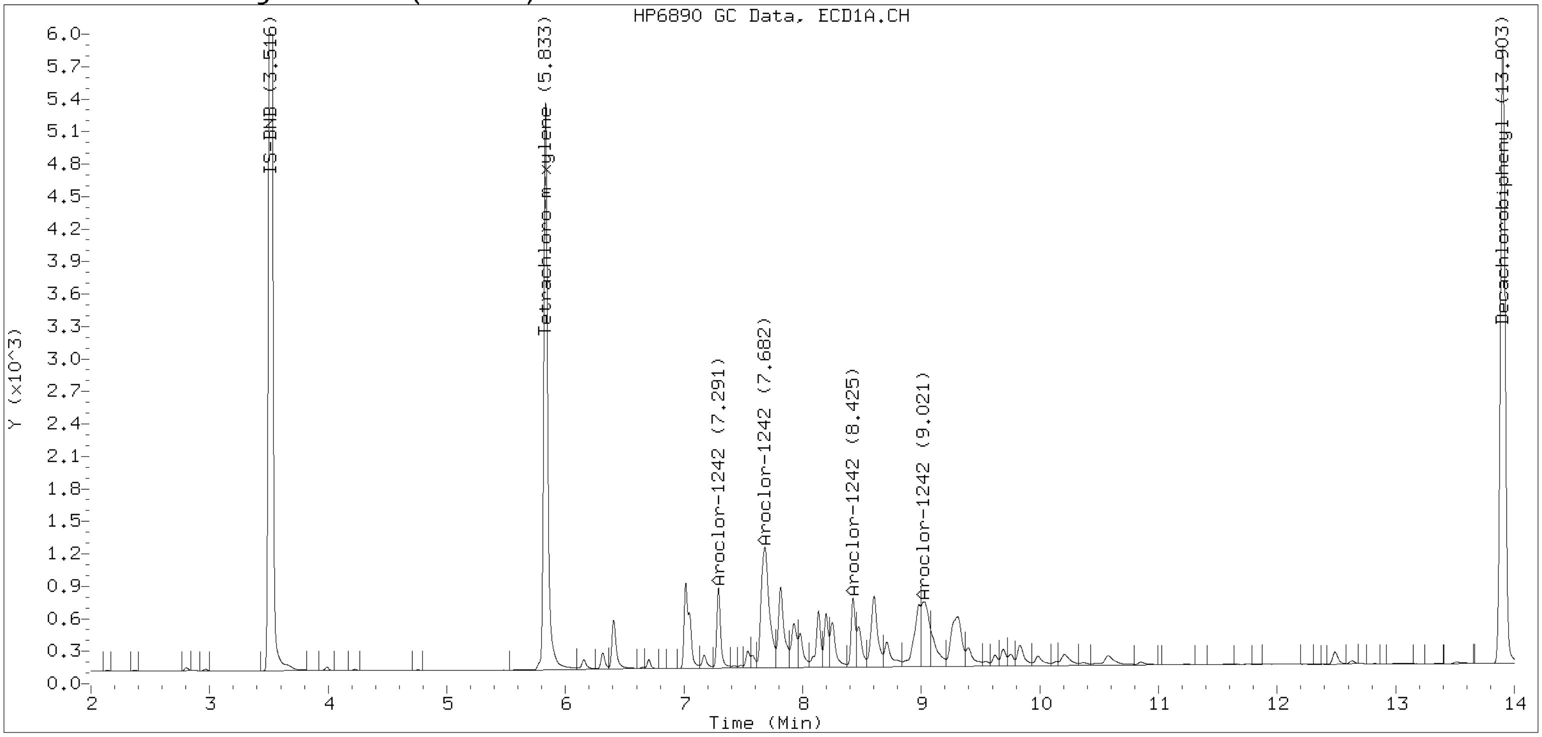


ZB-35 Manual Integration: NO

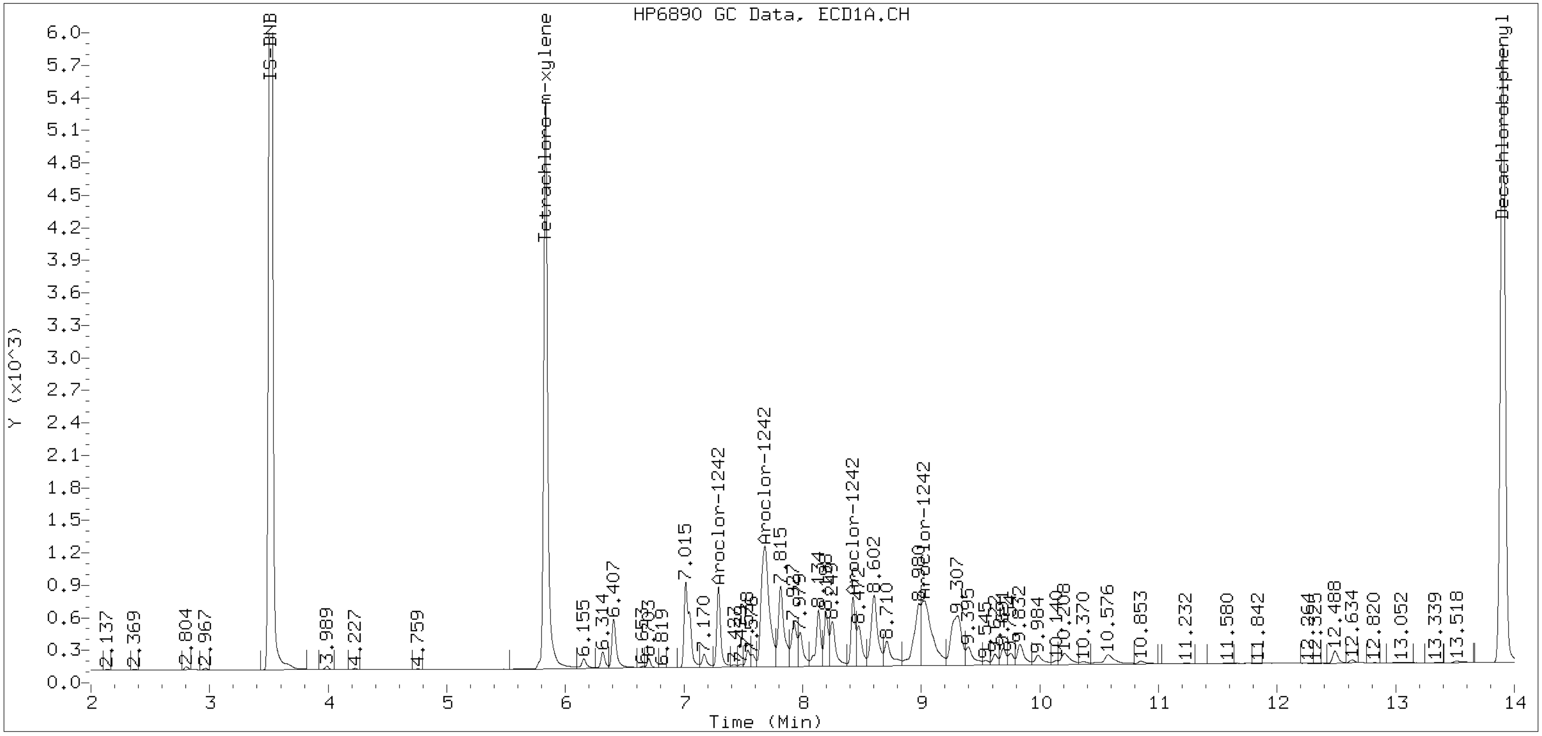
Manual Peak Adjustment, ZB-5

Datafile: ecd7.i/230107.b/01072373ECD7.D   Injection Date: 08-JAN-2023 10:55

Manual Integration (After)



Processed Integration (Before)



Analytical Resources, LLC
Analytical Chemists and Consultants

CONTINUING CALIBRATION CHECK
EPA 8082A

Laboratory:	Analytical Resources, LLC	SDG:	22L0307
Client:	Anchor QEA, LLC	Project:	AOC4 UR Phase 3
Instrument ID:	ECD7	Calibration:	FL00010
Lab File ID:	01072374ECD7.D	Calibration Date:	12/03/2022
Sequence:	SLA0099	Injection Date:	01/08/23
Lab Sample ID:	SLA0099-CCVA	Injection Time:	11:16
Sequence Name:	AR1660CCVA		

		CONC. (ug/L)		RESPONSE FACTOR (RRF)			% DRIFT/DIFF	
COMPOUND	TYPE	STD	CCV	ICAL	CCV	MIN	CCV	LIMIT
Aroclor 1016	A	250.00	273	0.0441939	0.0478954		9.3	+/-20
Aroclor-1016 (1)	A	250.00	269	0.0266860	0.0287075		7.6	
Aroclor-1016 (2)	A	250.00	264	0.0861572	0.0910315		5.6	
Aroclor-1016 (3)	A	250.00	284	0.0390425	0.0443709		13.6	
Aroclor-1016 (4)	A	250.00	276	0.0248899	0.0274716		10.4	
Aroclor 1016 [2C]	A	250.00	254	0.0467310	0.0474299		1.5	+/-20
Aroclor-1016 (1) [2C]	A	250.00	250	0.0409030	0.0408852		0.0	
Aroclor-1016 (2) [2C]	A	250.00	256	0.0882154	0.0902128		2.4	
Aroclor-1016 (3) [2C]	A	250.00	252	0.0378846	0.0381567		0.8	
Aroclor-1016 (4) [2C]	A	250.00	257	0.0199212	0.0204649		2.8	
Aroclor 1260	A	250.00	263	0.0390342	0.0412118		5.2	+/-20
Aroclor-1260 (1)	A	250.00	257	0.0291201	0.0299922		2.8	
Aroclor-1260 (2)	A	250.00	262	0.0301181	0.0315892		4.8	
Aroclor-1260 (3)	A	250.00	266	0.0791351	0.0842674		6.4	
Aroclor-1260 (4)	A	250.00	265	0.0403003	0.0427086		6.0	
Aroclor-1260 (5)	A	250.00	265	0.0164974	0.0175017		6.0	
Aroclor 1260 [2C]	A	250.00	254	0.0617619	0.0632984		1.4	+/-20
Aroclor-1260 (1) [2C]	A	250.00	251	0.0422283	0.0424027		0.4	
Aroclor-1260 (2) [2C]	A	250.00	259	0.1059643	0.1098939		3.6	
Aroclor-1260 (3) [2C]	A	250.00	244	0.0282173	0.0275263		-2.4	
Aroclor-1260 (4) [2C]	A	250.00	260	0.0706376	0.0733707		4.0	
Decachlorobiphenyl	A	40.000	39.3	0.7333327	0.7213772		-1.8	+/-20
Tetrachlorometaxylene	A	40.000	41.9	1.1336710	1.1879460		4.8	+/-20
Decachlorobiphenyl [2C]	A	40.000	41.5	1.1358180	1.1779270		3.8	+/-20
Tetrachlorometaxylene [2C]	A	40.000	40.6	1.0966080	1.1124240		1.5	+/-20

* Values outside of QC limits

* Values outside of QC limits

```
                              Analytical Resources Inc.
                         Dual Column 608/8082 PCB Quantitation Report

Data file 1: /230107.b/01072374ECD7.D                        ARI ID: AR1660CCVA
Data file 2: /230107.b/230107.b/01072374ECD7.D               Client ID:
Method: \\target\share\chem4\ecd7.i\230107.b\PCB.m           Injection Date: 08-JAN-2023 11:16
Compound Sublist: AR1660.sub                                    Report Date: 01/11/2023 15:13
Instrument, Inj. Vol.: ecd7.i, 2ul                           Matrix: NONE
Quant Method: Internal Std                                   Dilution Factor:  1.0



                                 SURROGATES

       ZB5 Col          |       ZB35 Col          |   ZB5    ZB35
  RT    Shift Response | RT    Shift  Response   |  on col  on col    RPD   Compound/Flag
==========================================================================================

 5.832 -0.001   284073 | 5.708  -0.001   187869|   41.9    40.6      3.2    Tetrachloro-m-xylene
13.902 -0.002   386805 |14.127  -0.001   351778|   39.3    41.5      5.3    Decachlorobiphenyl


*  Indicates RPD > 40%




                            INTERNAL STANDARD SUMMARY

                                        Column 1
                                 Standard    Sample
                  Standard Cpnd       Area*       Area      %D
               --------------------------------------------------
                 Bromo-Nitrobenzene    447645      478259    6.8
                 Hexabromobiphenyl     798898     1072407   34.2

                                        Column 2
                                 Standard    Sample
                  Standard Cpnd       Area*       Area      %D
               --------------------------------------------------
                 Bromo-Nitrobenzene    249094     337765    35.6
                 Hexabromobiphenyl     362541     597283    64.7


                * Standard Areas taken from Initial Cal Level 3
                  Initial Calibration Date: 03-DEC-2022
               <- Indicates standard response outside Limits (-50 to +100%)
```

```
                            ZB5 Col                              ZB35 Col
 Aroclor   Peak#    RT    Shift    Area    Amount    Peak#   RT     Shift    Area   Amount
 ========================================================================================
 Aroclor-1016 1   7.289  -0.001     42905   268.9      1    7.271  -0.001    43155   249.9
 Aroclor-1016 2   7.678  -0.002    136052   264.1      2    7.872  -0.001    95221   255.7
 Aroclor-1016 3   7.812  -0.001     66315   284.1      3    8.070  -0.001    40275   251.8
 Aroclor-1016 4   8.423  -0.002     41058   275.9      4    8.242  -0.001    21601   256.8
       Total Col1Ave (4 peaks):   273.3       Total Col2Ave (4 peaks):   253.5   RPD = 7
       Corrected Ave (3 peaks):   269.7       Corrected Ave (3 peaks):   252.4   RPD = 7

                     CalAmt %D:     9.3                    CalAmt %D:     1.4

 Aroclor-1260 1  11.058  -0.002    100512   257.5      1   11.662  -0.001    79145   251.0
 Aroclor-1260 2  11.374  -0.002    105864   262.2      2   11.926  -0.002   205118   259.3
 Aroclor-1260 3  11.748  -0.003    282403   266.2      3   12.444  -0.002    51378   243.9
 Aroclor-1260 4  12.153  -0.001    143128   264.9      4   12.510  -0.001   136947   259.7
 Aroclor-1260 5  12.256  -0.001     58653   265.2      NS    ---                      ----
       Total Col1Ave (5 peaks):   263.2       Total Col2Ave (4 peaks):   253.5   RPD = 4
       Corrected Ave (4 peaks):   262.5       Corrected Ave (3 peaks):   251.4   RPD = 4

                     CalAmt %D:     5.3                    CalAmt %D:     1.4




 Total PCB Area Col1 (5.933 - 13.804) =    2786933     Col1 Total PCB = 0.6 ppm*

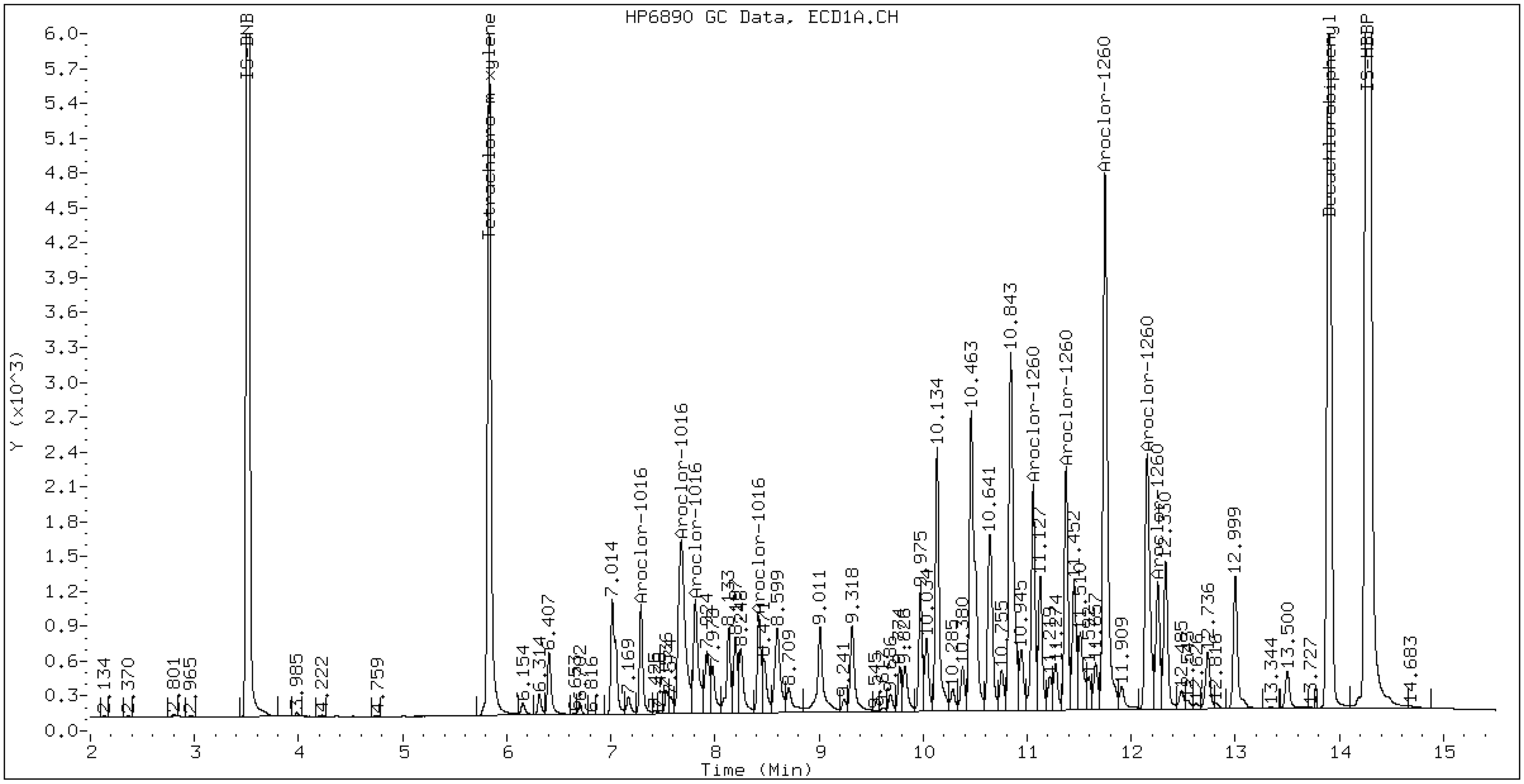
 Total PCB Area Col2 (5.809 - 14.028) =    1840764     Col2 Total PCB = 0.6 ppm*


   *  Quantitated against AR1660 0.25ppm in Ical
```

PCB-Form 10 Mod.

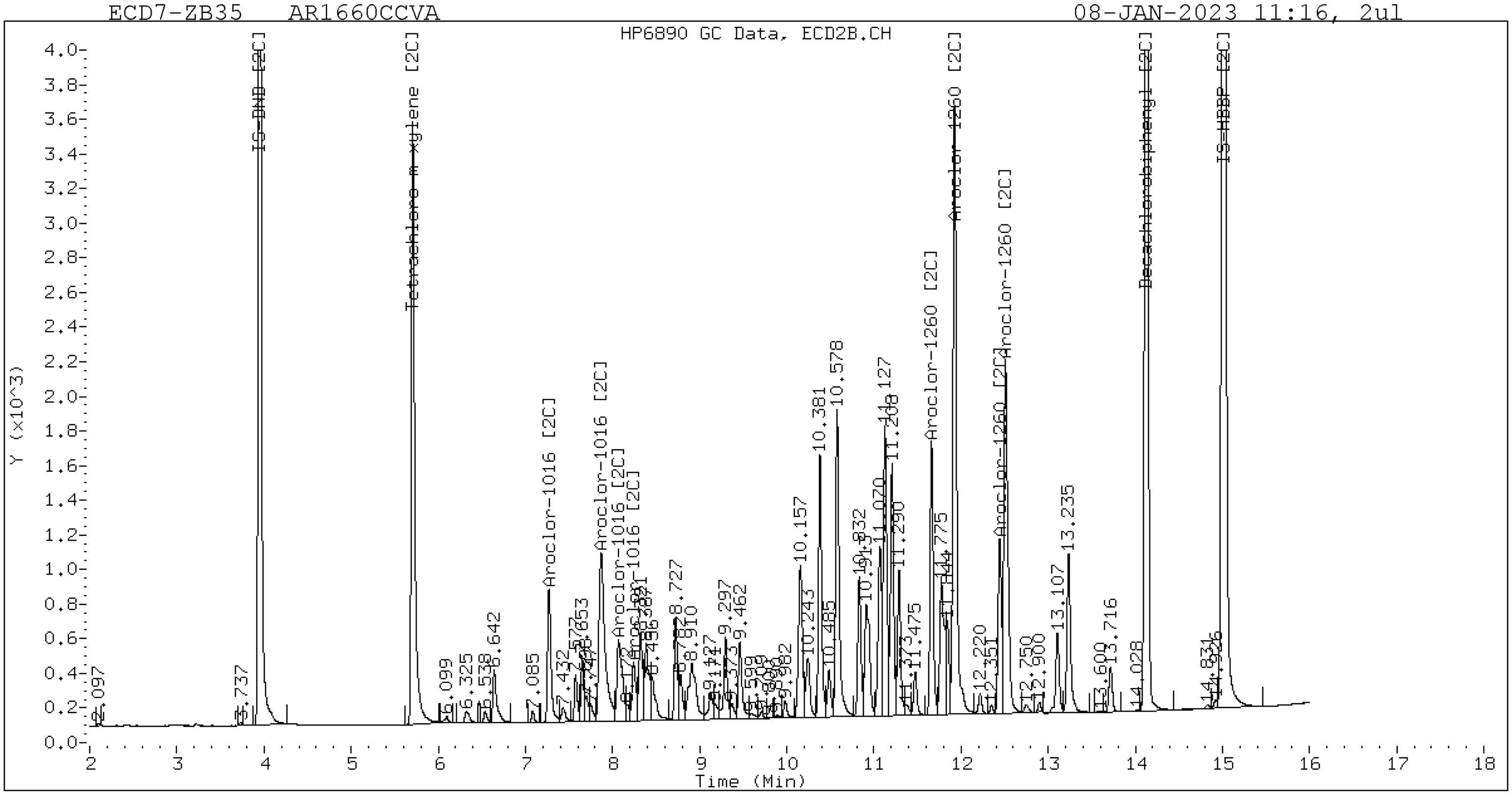
PCB Dual Column Chromatograms

ECD7-ZB5 AR1660CCVA 08-JAN-2023 11:16, 2ul



ZB-5 Manual Integration: NO

ECD7-ZB35 AR1660CCVA 08-JAN-2023 11:16, 2ul



ZB-35 Manual Integration: NO

CONTINUING CALIBRATION CHECK

EPA 8082A

Laboratory:	Analytical Resources, LLC	SDG:	22L0307
Client:	Anchor QEA, LLC	Project:	AOC4 UR Phase 3
Instrument ID:	ECD7	Calibration:	FL00010
Lab File ID:	01072389ECD7.D	Calibration Date:	12/03/2022
Sequence:	SLA0099	Injection Date:	01/08/23
Lab Sample ID:	SLA0099-CCVB	Injection Time:	16:32
Sequence Name:	AR1254CCVB		

		CONC. (ug/L)		RESPONSE FACTOR (RRF)			% DRIFT/DIFF	
COMPOUND	TYPE	STD	CCV	ICAL	CCV	MIN	CCV	LIMIT
Aroclor 1254	A	250.00	279	0.0576965	0.0639701		11.8	+/-20
Aroclor-1254 (1)	A	250.00	272		0.0766416			
Aroclor-1254 (2)	A	250.00	300		0.0329140			
Aroclor-1254 (3)	A	250.00	271		0.0482008			
Aroclor-1254 (4)	A	250.00	279		0.0967995			
Aroclor-1254 (5)	A	250.00	275		0.0652945			
Aroclor 1254 [2C]	A	250.00	278	0.0638047	0.0711271		11.4	+/-20
Aroclor-1254 (1) [2C]	A	250.00	275		0.0567122			
Aroclor-1254 (2) [2C]	A	250.00	280		0.0465034			
Aroclor-1254 (3) [2C]	A	250.00	278		0.0992756			
Aroclor-1254 (4) [2C]	A	250.00	280		0.1034952			
Aroclor-1254 (5) [2C]	A	250.00	279		0.0496491			
Decachlorobiphenyl	A	40.000	40.6	0.7333327	0.7438271		1.5	+/-20
Tetrachlorometaxylene	A	40.000	38.1	1.1336710	1.0795140		-4.8	+/-20
Decachlorobiphenyl [2C]	A	40.000	41.6	1.1358180	1.1798530		4.0	+/-20
Tetrachlorometaxylene [2C]	A	40.000	37.6	1.0966080	1.0305720		-6.0	+/-20

* Values outside of QC limits

* Values outside of QC limits

```
                              Analytical Resources Inc.
                         Dual Column 608/8082 PCB Quantitation Report

 Data file 1: /230107.b/01072389ECD7.D                  ARI ID: AR1254CCVB
 Data file 2: /230107.b/230107.b/01072389ECD7.D         Client ID:
 Method: \\target\share\chem4\ecd7.i\230107.b\PCB.m     Injection Date: 08-JAN-2023 16:32
 Compound Sublist: AR1254.sub                              Report Date: 01/11/2023 15:14
 Instrument, Inj. Vol.: ecd7.i, 2ul                     Matrix: NONE
 Quant Method: Internal Std                             Dilution Factor:  1.0



                                  SURROGATES

        ZB5 Col         |       ZB35 Col         |   ZB5    ZB35
   RT    Shift Response | RT    Shift  Response  |  on col  on col    RPD   Compound/Flag
 ========================================================================================

  5.831 -0.002   247003 | 5.707  -0.002   166897|   38.1    37.6      1.3    Tetrachloro-m-xylene
 13.903 -0.001   287857 |14.129   0.000   288143|   40.6    41.6      2.4    Decachlorobiphenyl


*  Indicates RPD > 40%



                             INTERNAL STANDARD SUMMARY

                                         Column 1
                                  Standard    Sample
                Standard Cpnd       Area*       Area      %D
            --------------------------------------------------
              Bromo-Nitrobenzene    447645      457619    2.2
              Hexabromobiphenyl     798898      773989   -3.1

                                         Column 2
                                  Standard    Sample
                Standard Cpnd       Area*       Area      %D
            --------------------------------------------------
              Bromo-Nitrobenzene    249094     323892    30.0
              Hexabromobiphenyl     362541     488439    34.7


             * Standard Areas taken from Initial Cal Level 3
              Initial Calibration Date: 03-DEC-2022
            <- Indicates standard response outside Limits (-50 to +100%)
```

```
//target/share/chem4/ecd7.i/230107.b/01072389ECD7.D      AR1254CCVB                        page 2
                             ZB5 Col                          ZB35 Col
 Aroclor   Peak#    RT    Shift    Area    Amount    Peak#   RT     Shift    Area   Amount
 ========================================================================================
 Aroclor-1254 1   9.316   0.005    109602   272.0      1    9.461   0.000    57402   274.9
 Aroclor-1254 2   9.394   0.006     47069   300.4      2    9.980   0.000    47069   280.4
 Aroclor-1254 3   9.685   0.006     68930   270.9      3   10.133   0.000   100483   278.4
 Aroclor-1254 4   9.824   0.009    138429   279.1      4   10.383   0.000   104754   280.3
 Aroclor-1254 5  10.191   0.024     93375   274.6      5   10.578   0.000    50253   278.8
       Total Col1Ave (5 peaks):   279.4       Total Col2Ave (5 peaks):   278.5   RPD = 0
       Corrected Ave (4 peaks):   274.1       Corrected Ave (4 peaks):   278.1   RPD = 1

                     CalAmt %D:    11.8                     CalAmt %D:    11.4




 Total PCB Area Col1 (5.933 - 13.804) =    1428612     Col1 Total PCB = 0.3 ppm*

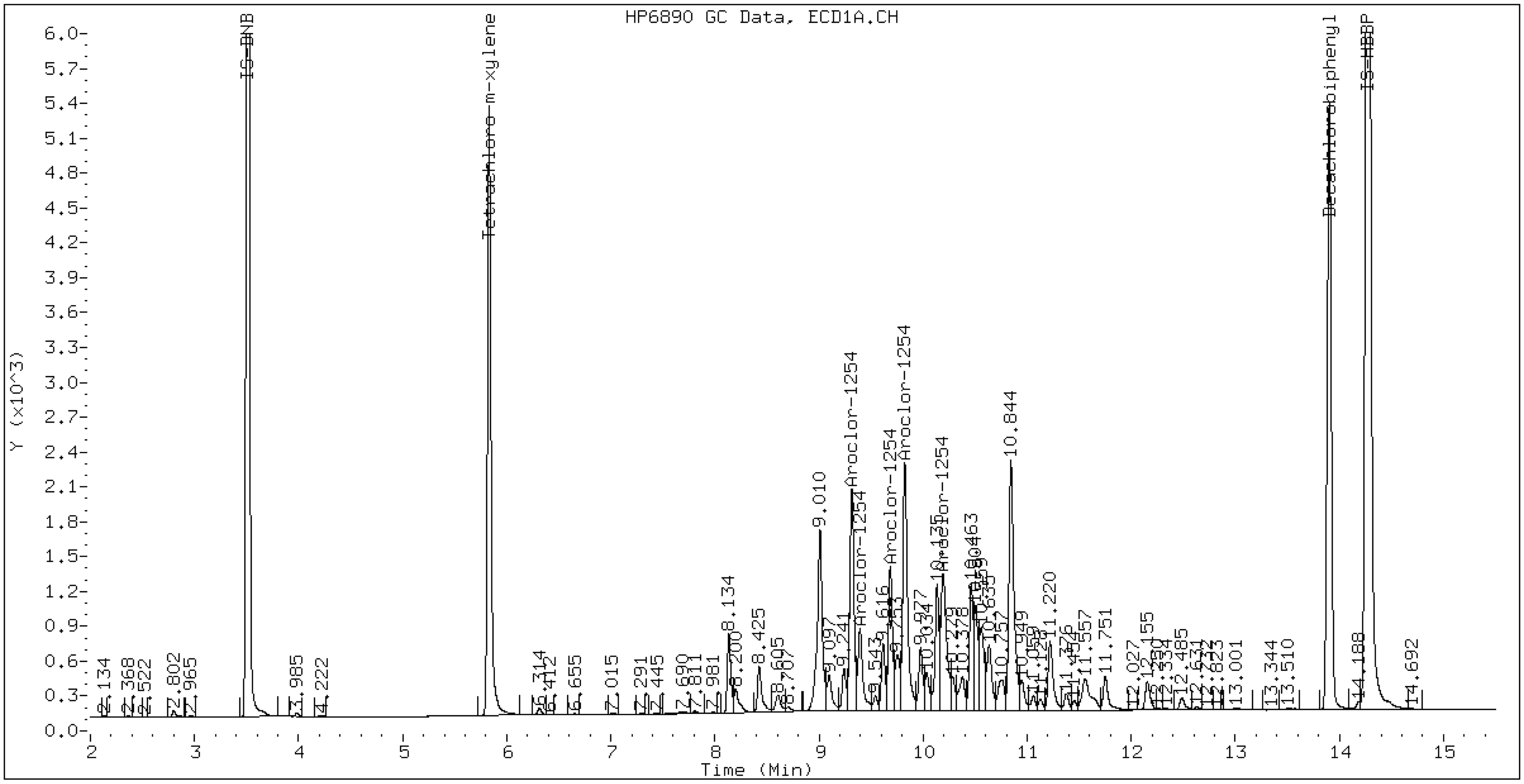
 Total PCB Area Col2 (5.809 - 14.028) =     973048     Col2 Total PCB = 0.3 ppm*

   *  Quantitated against AR1660 0.25ppm in Ical

                                     PCB-Form 10 Mod.
```

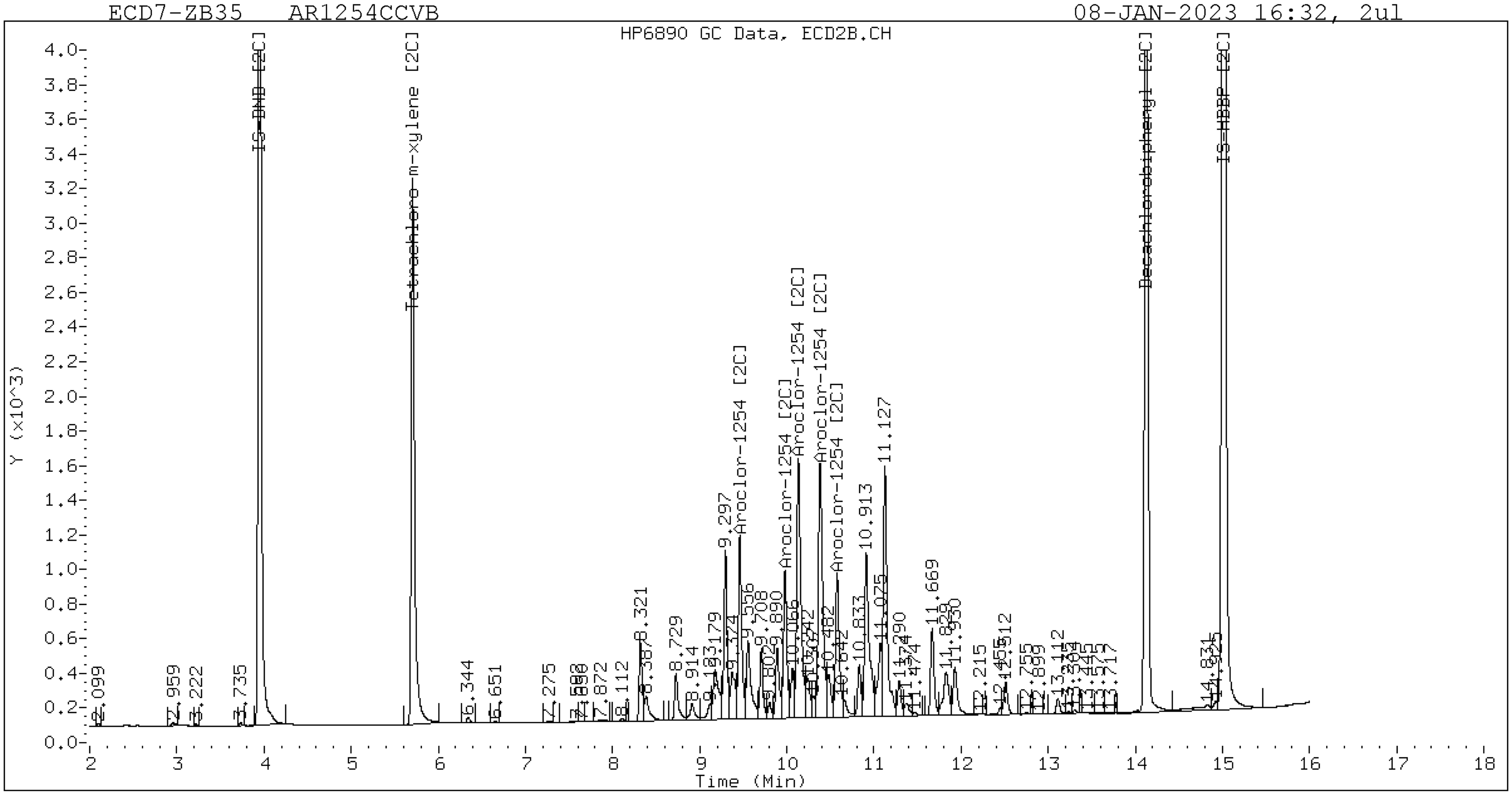
PCB Dual Column Chromatograms

ECD7-ZB5 AR1254CCVB 08-JAN-2023 16:32, 2ul



ZB-5 Manual Integration: NO

ECD7-ZB35 AR1254CCVB 08-JAN-2023 16:32, 2ul

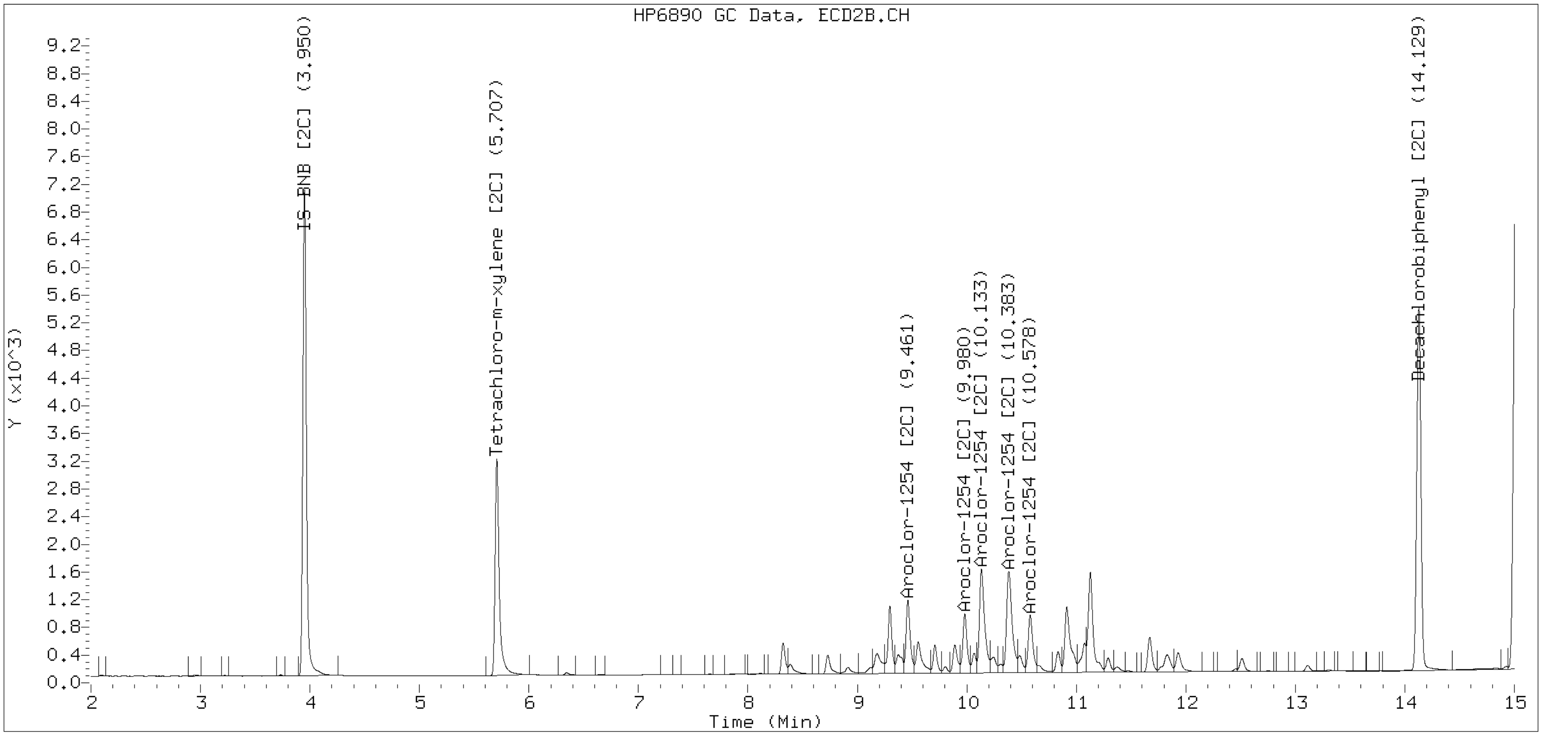


ZB-35 Manual Integration: YES

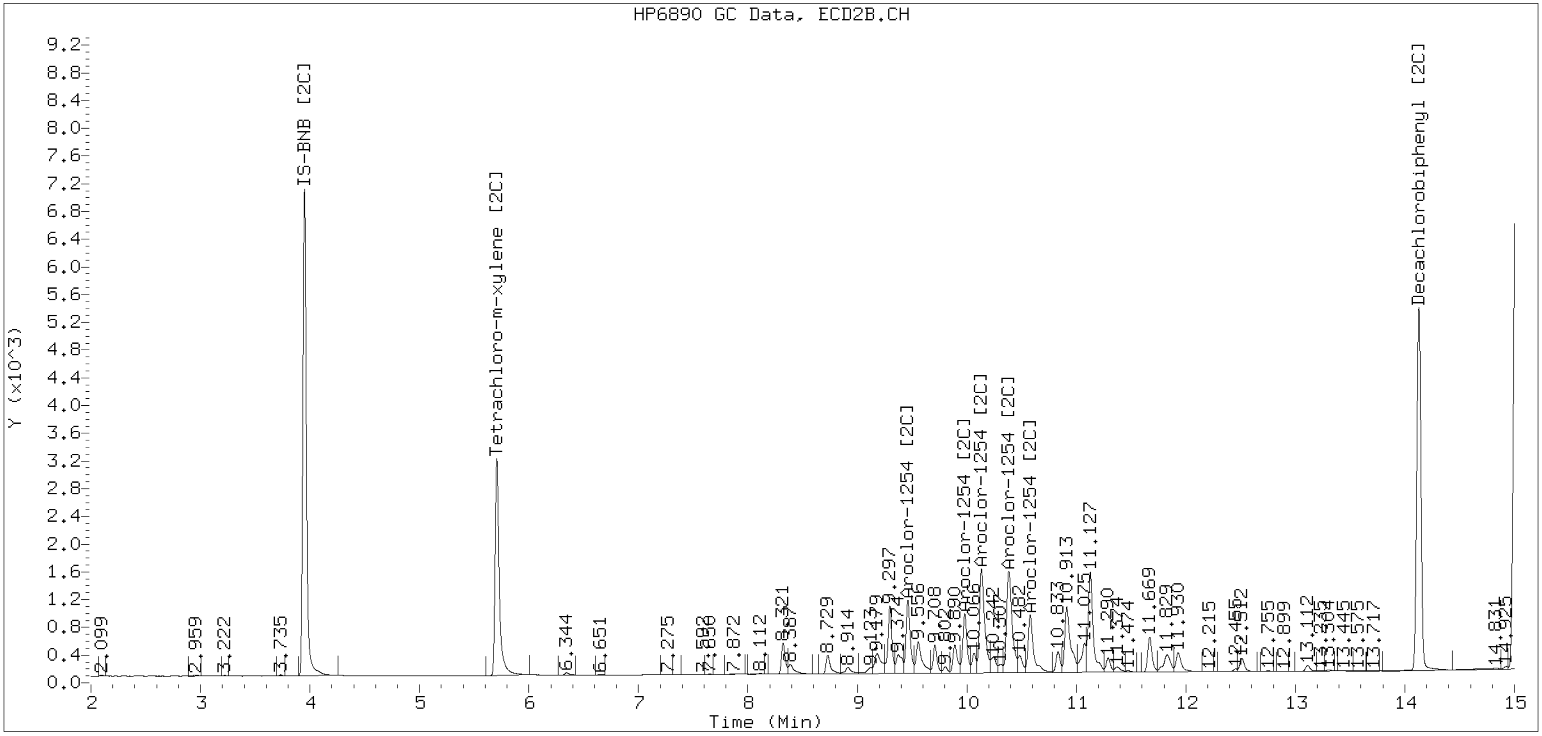
Manual Peak Adjustment, ZB-35

Datafile: ecd7.i/230107.b/230107.b/01072389ECD7.D   Injection Date: 08-JAN-2023

Manual Integration (After)



Processed Integration (Before)



CONTINUING CALIBRATION CHECK
EPA 8082A

Laboratory:	Analytical Resources, LLC	SDG:	22L0307
Client:	Anchor QEA, LLC	Project:	AOC4 UR Phase 3
Instrument ID:	ECD7	Calibration:	FL00010
Lab File ID:	01072390ECD7.D	Calibration Date:	12/03/2022
Sequence:	SLA0099	Injection Date:	01/08/23
Lab Sample ID:	SLA0099-CCVC	Injection Time:	16:53
Sequence Name:	AR1660CCVC		

COMPOUND	TYPE	CONC. (ug/L)		RESPONSE FACTOR (RRF)			% DRIFT/DIFF	
		STD	CCV	ICAL	CCV	MIN	CCV	LIMIT
Aroclor 1016	A	250.00	276	0.0441939	0.0483197		10.2	+/-20
Aroclor-1016 (1)	A	250.00	270	0.0266860	0.0288308		8.0	
Aroclor-1016 (2)	A	250.00	268	0.0861572	0.0922052		7.2	
Aroclor-1016 (3)	A	250.00	284	0.0390425	0.0443148		13.6	
Aroclor-1016 (4)	A	250.00	280	0.0248899	0.0279279		12.0	
Aroclor 1016 [2C]	A	250.00	257	0.0467310	0.0481667		2.8	+/-20
Aroclor-1016 (1) [2C]	A	250.00	254	0.0409030	0.0415479		1.6	
Aroclor-1016 (2) [2C]	A	250.00	260	0.0882154	0.0918093		4.0	
Aroclor-1016 (3) [2C]	A	250.00	254	0.0378846	0.0385704		1.6	
Aroclor-1016 (4) [2C]	A	250.00	260	0.0199212	0.0207391		4.0	
Aroclor 1260	A	250.00	281	0.0390342	0.0438846		12.2	+/-20
Aroclor-1260 (1)	A	250.00	279	0.0291201	0.0324994		11.6	
Aroclor-1260 (2)	A	250.00	281	0.0301181	0.0338562		12.4	
Aroclor-1260 (3)	A	250.00	283	0.0791351	0.0895301		13.2	
Aroclor-1260 (4)	A	250.00	279	0.0403003	0.0449977		11.6	
Aroclor-1260 (5)	A	250.00	281	0.0164974	0.0185395		12.4	
Aroclor 1260 [2C]	A	250.00	265	0.0617619	0.0661263		6.0	+/-20
Aroclor-1260 (1) [2C]	A	250.00	264	0.0422283	0.0445353		5.6	
Aroclor-1260 (2) [2C]	A	250.00	271	0.1059643	0.1147959		8.4	
Aroclor-1260 (3) [2C]	A	250.00	255	0.0282173	0.0288157		2.0	
Aroclor-1260 (4) [2C]	A	250.00	270	0.0706376	0.0763583		8.0	
Decachlorobiphenyl	A	40.000	41.6	0.7333327	0.7618376		4.0	+/-20
Tetrachlorometaxylene	A	40.000	42.3	1.1336710	1.1979460		5.8	+/-20
Decachlorobiphenyl [2C]	A	40.000	42.2	1.1358180	1.1974570		5.5	+/-20
Tetrachlorometaxylene [2C]	A	40.000	41.1	1.0966080	1.1281350		2.8	+/-20

* Values outside of QC limits

* Values outside of QC limits

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                              Analytical Resources Inc.
                         Dual Column 608/8082 PCB Quantitation Report

Data file 1: /230107.b/01072390ECD7.D                        ARI ID: AR1660CCVC
Data file 2: /230107.b/230107.b/01072390ECD7.D               Client ID:
Method: \\target\share\chem4\ecd7.i\230107.b\PCB.m           Injection Date: 08-JAN-2023 16:53
Compound Sublist: AR1660.sub                                    Report Date: 01/11/2023 15:14
Instrument, Inj. Vol.: ecd7.i, 2ul                           Matrix: NONE
Quant Method: Internal Std                                   Dilution Factor:  1.0



                                 SURROGATES

       ZB5 Col          |       ZB35 Col         |   ZB5    ZB35
  RT    Shift Response | RT    Shift  Response   |  on col  on col    RPD   Compound/Flag
============================================================================================

 5.833 -0.000   285724 | 5.709  -0.000   188900|   42.3    41.1      2.7    Tetrachloro-m-xylene
13.903 -0.001   369604 |14.128   0.000   337014|   41.6    42.2      1.5    Decachlorobiphenyl


*  Indicates RPD > 40%



                            INTERNAL STANDARD SUMMARY

                                        Column 1
                                 Standard    Sample
                 Standard Cpnd      Area*       Area      %D
              --------------------------------------------------
                Bromo-Nitrobenzene    447645      477023    6.6
                Hexabromobiphenyl     798898      970296   21.5

                                        Column 2
                                 Standard    Sample
                 Standard Cpnd      Area*       Area      %D
              --------------------------------------------------
                Bromo-Nitrobenzene    249094     334889    34.4
                Hexabromobiphenyl     362541     562883    55.3


               * Standard Areas taken from Initial Cal Level 3
                 Initial Calibration Date: 03-DEC-2022
              <- Indicates standard response outside Limits (-50 to +100%)
```

```
//target/share/chem4/ecd7.i/230107.b/01072390ECD7.D      AR1660CCVC                        page 2
                             ZB5 Col                          ZB35 Col
 Aroclor   Peak#    RT    Shift    Area    Amount    Peak#   RT     Shift    Area   Amount
 ========================================================================================
 Aroclor-1016 1   7.289  -0.001     42978   270.1      1    7.271  -0.001    43481   253.9
 Aroclor-1016 2   7.677  -0.003    137450   267.5      2    7.871  -0.001    96081   260.2
 Aroclor-1016 3   7.812  -0.001     66060   283.8      3    8.070  -0.001    40365   254.5
 Aroclor-1016 4   8.424  -0.001     41632   280.5      4    8.242  -0.001    21704   260.3
       Total Col1Ave (4 peaks):   275.5      Total Col2Ave (4 peaks):   257.2   RPD = 7
       Corrected Ave (3 peaks):   272.7      Corrected Ave (3 peaks):   256.2   RPD = 6

                     CalAmt %D:    10.2                    CalAmt %D:     2.9

 Aroclor-1260 1  11.058  -0.002     98544   279.0      1   11.664   0.001    78338   263.7
 Aroclor-1260 2  11.375  -0.000    102658   281.0      2   11.928  -0.001   201927   270.8
 Aroclor-1260 3  11.749  -0.002    271471   282.8      3   12.445  -0.000    50687   255.3
 Aroclor-1260 4  12.152  -0.002    136441   279.1      4   12.512   0.000   134315   270.2
 Aroclor-1260 5  12.256  -0.000     56215   280.9      NS    ---                     ----
       Total Col1Ave (5 peaks):   280.6      Total Col2Ave (4 peaks):   265.0   RPD = 6
       Corrected Ave (4 peaks):   280.0      Corrected Ave (3 peaks):   263.1   RPD = 6

                     CalAmt %D:    12.2                    CalAmt %D:     6.0




 Total PCB Area Col1 (5.933 - 13.804) =    2732830     Col1 Total PCB = 0.6 ppm*

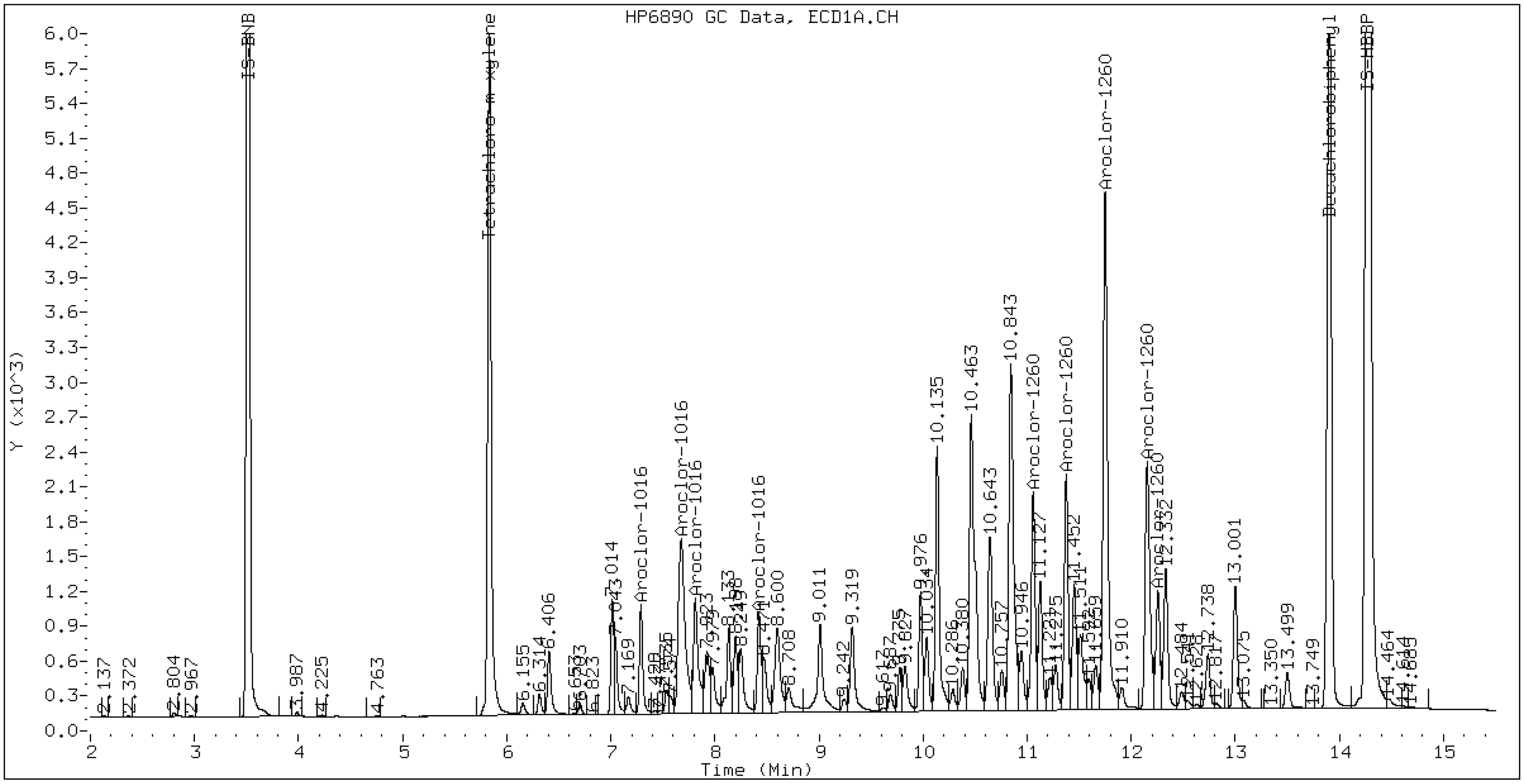
 Total PCB Area Col2 (5.809 - 14.028) =    1830654     Col2 Total PCB = 0.6 ppm*


   *  Quantitated against AR1660 0.25ppm in Ical

                                     PCB-Form 10 Mod.
```

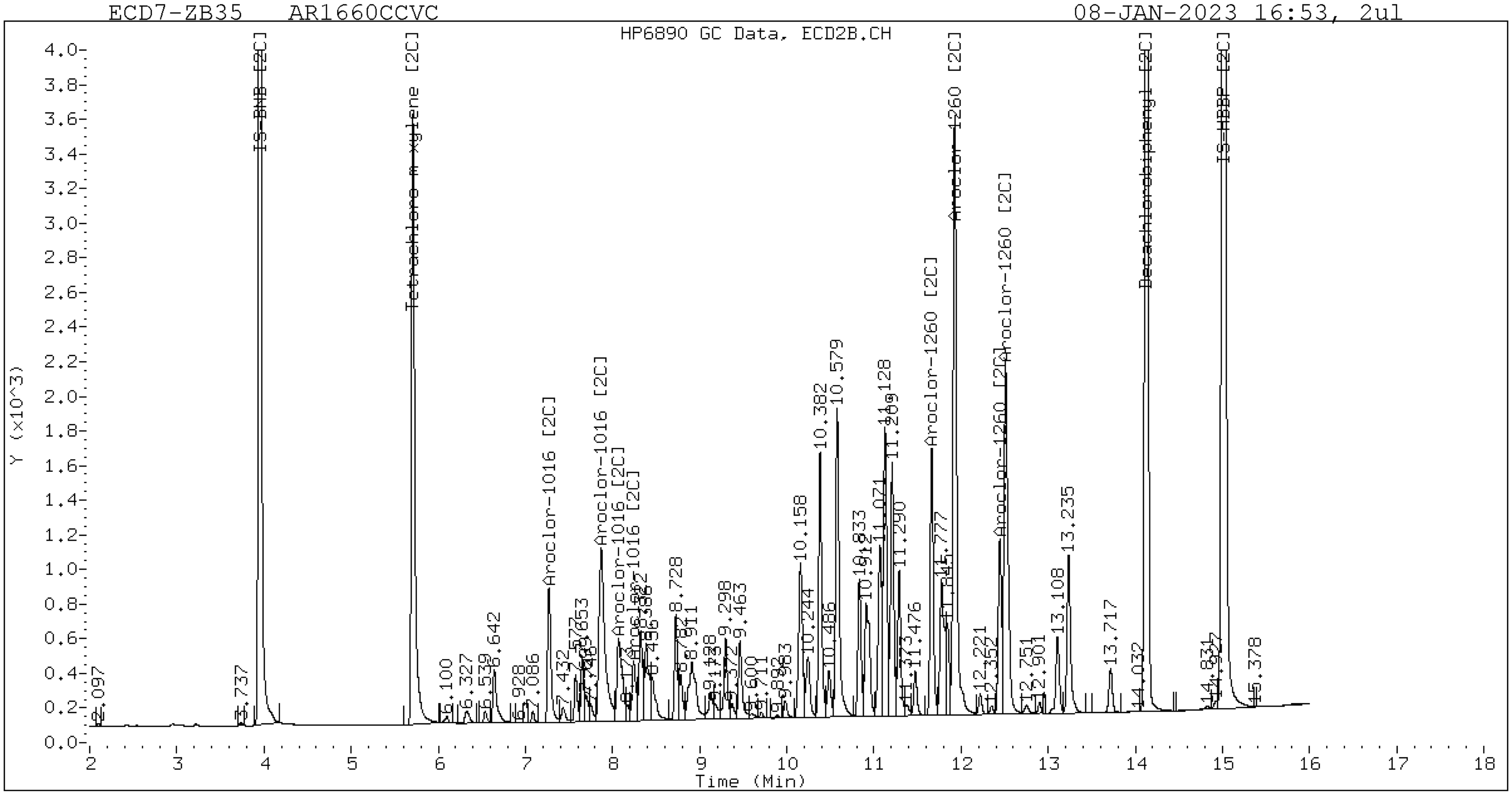
PCB Dual Column Chromatograms

ECD7-ZB5 AR1660CCVC 08-JAN-2023 16:53, 2ul



ZB-5 Manual Integration: NO

ECD7-ZB35 AR1660CCVC 08-JAN-2023 16:53, 2ul



ZB-35 Manual Integration: NO

CONTINUING CALIBRATION CHECK

EPA 8082A

Laboratory:	Analytical Resources, LLC	SDG:	22L0307
Client:	Anchor QEA, LLC	Project:	AOC4 UR Phase 3
Instrument ID:	ECD7	Calibration:	FL00010
Lab File ID:	010723994ECD7.D	Calibration Date:	12/03/2022
Sequence:	SLA0099	Injection Date:	01/08/23
Lab Sample ID:	SLA0099-CCVD	Injection Time:	21:27
Sequence Name:	AR1248CCVD		

COMPOUND	TYPE	CONC. (ug/L)		RESPONSE FACTOR (RRF)			% DRIFT/DIFF	
		STD	CCV	ICAL	CCV	MIN	CCV	LIMIT
Aroclor 1248	A	250.00	275	0.0490062	0.0523369		10.0	+/-20
Aroclor-1248 (1)	A	250.00	274		0.0376843			
Aroclor-1248 (2)	A	250.00	286		0.0502180			
Aroclor-1248 (3)	A	250.00	235		0.0741888			
Aroclor-1248 (4)	A	250.00	305		0.0472567			
Aroclor 1248 [2C]	A	250.00	271	0.0394876	0.0429421		8.2	+/-20
Aroclor-1248 (1) [2C]	A	250.00	262		0.0342489			
Aroclor-1248 (2) [2C]	A	250.00	263		0.0361367			
Aroclor-1248 (3) [2C]	A	250.00	273		0.0456686			
Aroclor-1248 (4) [2C]	A	250.00	284		0.0557140			
Decachlorobiphenyl	A	40.000	39.4	0.7333327	0.7224665		-1.5	+/-20
Tetrachlorometaxylene	A	40.000	38.3	1.1336710	1.0856290		-4.3	+/-20
Decachlorobiphenyl [2C]	A	40.000	39.6	1.1358180	1.1231440		-1.0	+/-20
Tetrachlorometaxylene [2C]	A	40.000	37.6	1.0966080	1.0300390		-6.0	+/-20

* Values outside of QC limits

* Values outside of QC limits

```
                              Analytical Resources Inc.
                         Dual Column 608/8082 PCB Quantitation Report

 Data file 1: /230107.b/010723994ECD7.D                  ARI ID: AR1248CCVD
 Data file 2: /230107.b/230107.b/010723994ECD7.D         Client ID:
 Method: \\target\share\chem4\ecd7.i\230107.b\PCB.m      Injection Date: 08-JAN-2023 21:27
 Compound Sublist: AR1248.sub                               Report Date: 01/11/2023 16:13
 Instrument, Inj. Vol.: ecd7.i, 2ul                      Matrix: NONE
 Quant Method: Internal Std                              Dilution Factor:  1.0



                                 SURROGATES

        ZB5 Col          |        ZB35 Col         |   ZB5    ZB35
   RT    Shift Response | RT    Shift  Response  |  on col  on col    RPD   Compound/Flag
 ==========================================================================================

  5.833  0.001   244716 | 5.710   0.001   163339|   38.3    37.6      1.9    Tetrachloro-m-xylene
 13.904  0.000   411643 |14.129   0.001   341911|   39.4    39.6      0.4    Decachlorobiphenyl


*  Indicates RPD > 40%



                            INTERNAL STANDARD SUMMARY

                                            Column 1
                                     Standard    Sample
                  Standard Cpnd       Area*       Area      %D
               --------------------------------------------------
                Bromo-Nitrobenzene    447645      450828    0.7
                Hexabromobiphenyl     798898     1139549   42.6

                                            Column 2
                                     Standard    Sample
                  Standard Cpnd       Area*       Area      %D
               --------------------------------------------------
                Bromo-Nitrobenzene    249094     317151    27.3
                Hexabromobiphenyl     362541     608846    67.9


                * Standard Areas taken from Initial Cal Level 3
                  Initial Calibration Date: 03-DEC-2022
               <- Indicates standard response outside Limits (-50 to +100%)
```

```
//target/share/chem4/ecd7.i/230107.b/010723994ECD7.D      AR1248CCVD                        page 2
                             ZB5 Col                                ZB35 Col
 Aroclor   Peak#    RT    Shift    Area    Amount    Peak#   RT     Shift    Area   Amount
 ========================================================================================
 Aroclor-1248 1   8.425   0.000     53091   273.9      1    8.323   0.000    33944   262.0
 Aroclor-1248 2   8.603   0.000     70749   285.9      2    8.728   0.000    35815   262.8
 Aroclor-1248 3   9.019   0.000    104520   234.8      3    9.178   0.000    45262   273.1
 Aroclor-1248 4   9.313   0.000     66577   305.2      4    9.602   0.000    55218   283.8
       Total Col1Ave (4 peaks):   274.9       Total Col2Ave (4 peaks):   270.4   RPD = 2
       Corrected Ave (3 peaks):   264.8       Corrected Ave (3 peaks):   266.0   RPD = 0

                     CalAmt %D:    10.0                    CalAmt %D:     8.2




 Total PCB Area Col1 (5.932 - 13.803) =    1116521     Col1 Total PCB = 0.3 ppm*

 Total PCB Area Col2 (5.809 - 14.028) =     723111     Col2 Total PCB = 0.2 ppm*

   *  Quantitated against AR1660 0.25ppm in Ical

                                     PCB-Form 10 Mod.
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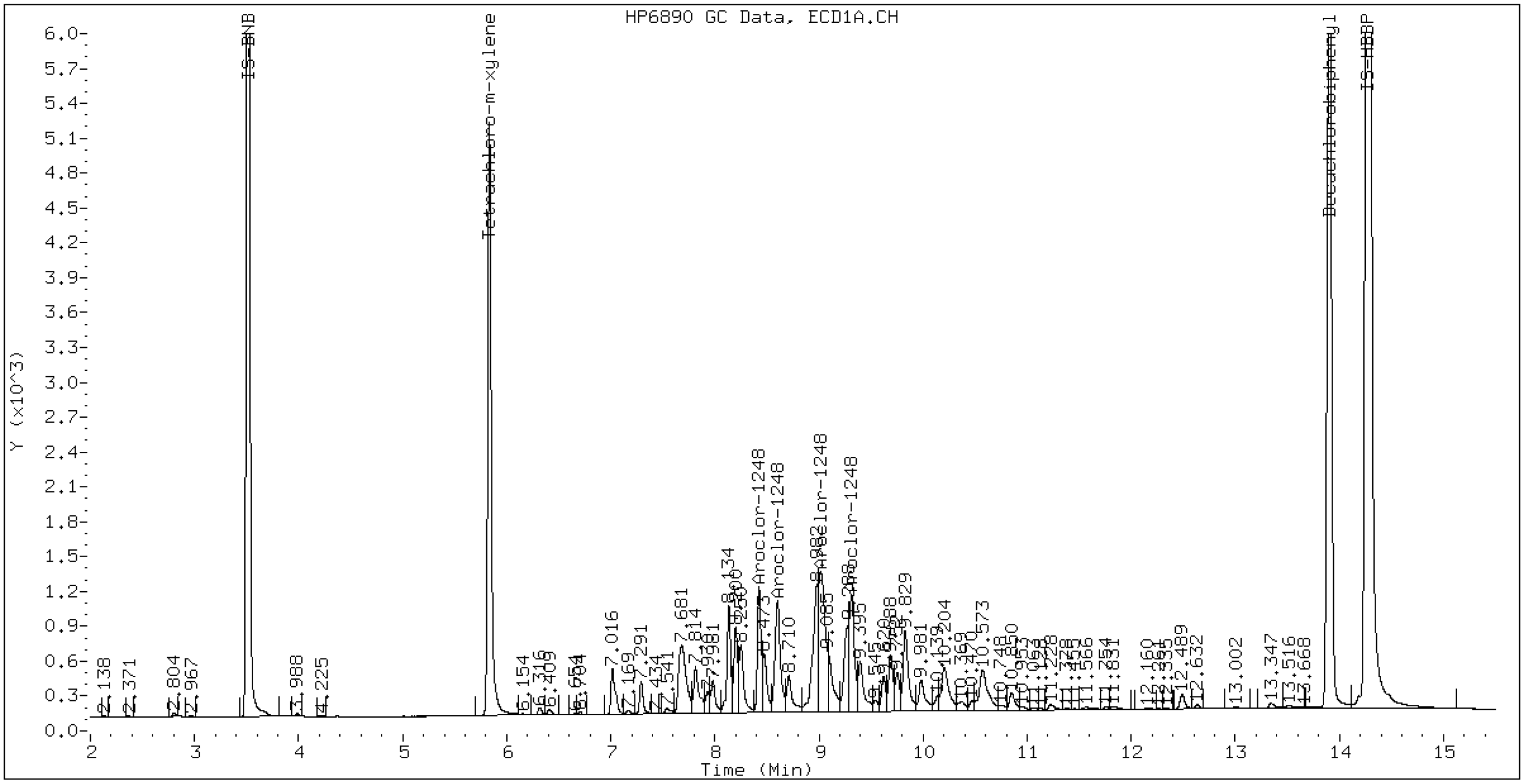
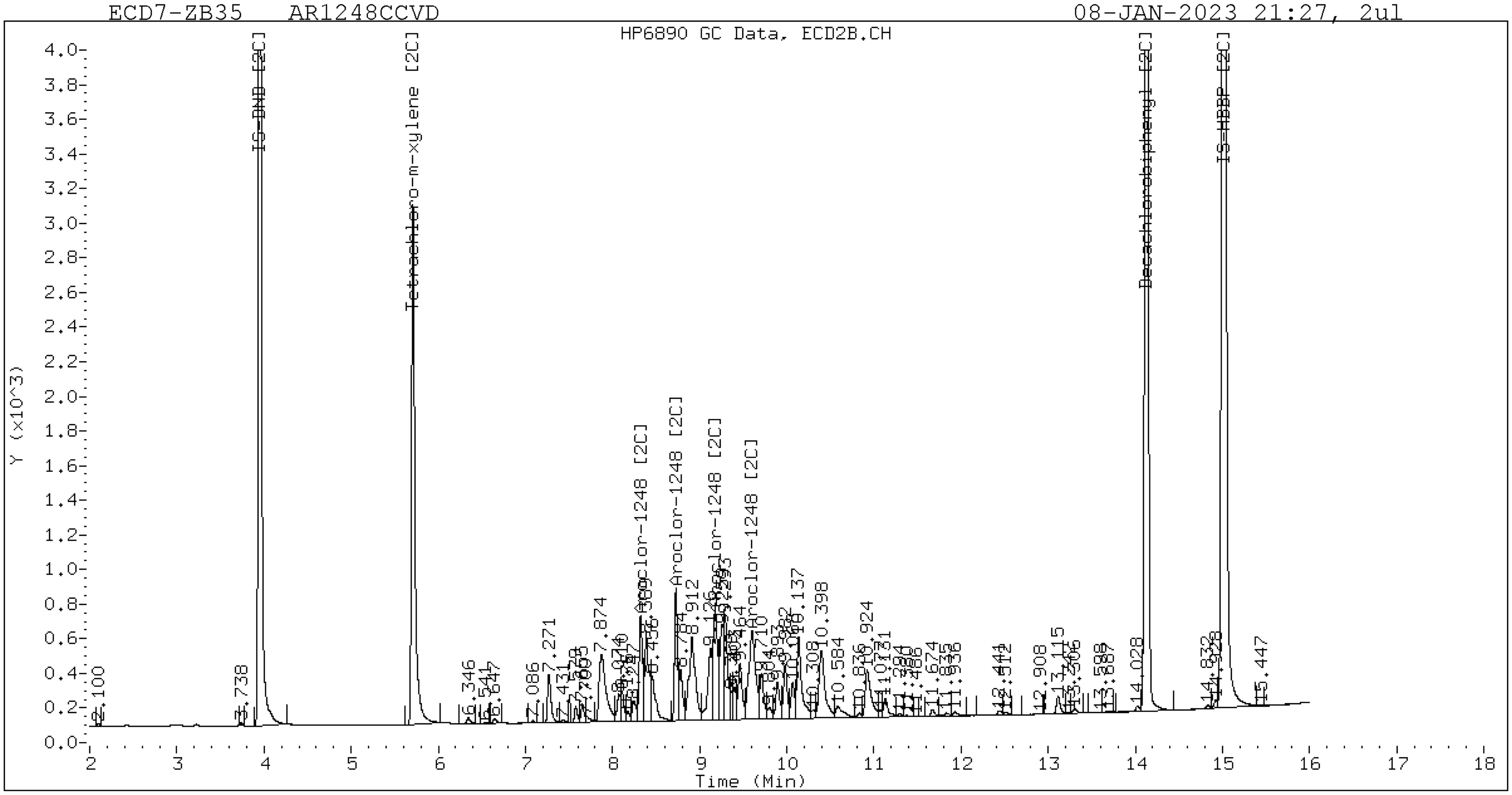
PCB Dual Column Chromatograms

ECD7-ZB5 AR1248CCVD 08-JAN-2023 21:27, 2ul



ZB-5 Manual Integration: YES

ECD7-ZB35 AR1248CCVD 08-JAN-2023 21:27, 2ul



ZB-35 Manual Integration: NO

CONTINUING CALIBRATION CHECK

EPA 8082A

Laboratory:	Analytical Resources, LLC	SDG:	22L0307
Client:	Anchor QEA, LLC	Project:	AOC4 UR Phase 3
Instrument ID:	ECD7	Calibration:	FL00010
Lab File ID:	010723995ECD7.D	Calibration Date:	12/03/2022
Sequence:	SLA0099	Injection Date:	01/08/23
Lab Sample ID:	SLA0099-CCVE	Injection Time:	21:48
Sequence Name:	AR1660CCVE		

COMPOUND	TYPE	CONC. (ug/L)		RESPONSE FACTOR (RRF)			% DRIFT/DIFF	
		STD	CCV	ICAL	CCV	MIN	CCV	LIMIT
Aroclor 1016	A	250.00	280	0.0441939	0.0489582		11.8	+/-20
Aroclor-1016 (1)	A	250.00	273	0.0266860	0.0291012		9.2	
Aroclor-1016 (2)	A	250.00	270	0.0861572	0.0931360		8.0	
Aroclor-1016 (3)	A	250.00	290	0.0390425	0.0452387		16.0	
Aroclor-1016 (4)	A	250.00	285	0.0248899	0.0283570		14.0	
Aroclor 1016 [2C]	A	250.00	255	0.0467310	0.0477771		1.8	+/-20
Aroclor-1016 (1) [2C]	A	250.00	252	0.0409030	0.0412869		0.8	
Aroclor-1016 (2) [2C]	A	250.00	258	0.0882154	0.0911412		3.2	
Aroclor-1016 (3) [2C]	A	250.00	253	0.0378846	0.0383426		1.2	
Aroclor-1016 (4) [2C]	A	250.00	255	0.0199212	0.0203378		2.0	
Aroclor 1260	A	250.00	236	0.0390342	0.0368119		-5.6	+/-20
Aroclor-1260 (1)	A	250.00	232	0.0291201	0.0269804		-7.2	
Aroclor-1260 (2)	A	250.00	236	0.0301181	0.0283759		-5.6	
Aroclor-1260 (3)	A	250.00	236	0.0791351	0.0748297		-5.6	
Aroclor-1260 (4)	A	250.00	236	0.0403003	0.0380188		-5.6	
Aroclor-1260 (5)	A	250.00	240	0.0164974	0.0158544		-4.0	
Aroclor 1260 [2C]	A	250.00	245	0.0617619	0.0612120		-1.9	+/-20
Aroclor-1260 (1) [2C]	A	250.00	241	0.0422283	0.0407276		-3.6	
Aroclor-1260 (2) [2C]	A	250.00	250	0.1059643	0.1060419		0.0	
Aroclor-1260 (3) [2C]	A	250.00	238	0.0282173	0.0268979		-4.8	
Aroclor-1260 (4) [2C]	A	250.00	252	0.0706376	0.0711805		0.8	
Decachlorobiphenyl	A	40.000	39.4	0.7333327	0.7217189		-1.5	+/-20
Tetrachlorometaxylene	A	40.000	42.9	1.1336710	1.2158640		7.3	+/-20
Decachlorobiphenyl [2C]	A	40.000	40.6	1.1358180	1.1544990		1.5	+/-20
Tetrachlorometaxylene [2C]	A	40.000	41.0	1.0966080	1.1254540		2.5	+/-20

* Values outside of QC limits

```
                               Analytical Resources Inc.
                          Dual Column 608/8082 PCB Quantitation Report

 Data file 1: /230107.b/010723995ECD7.D                  ARI ID: AR1660CCVE
 Data file 2: /230107.b/230107.b/010723995ECD7.D         Client ID:
 Method: \\target\share\chem4\ecd7.i\230107.b\PCB.m      Injection Date: 08-JAN-2023 21:48
 Compound Sublist: AR1660.sub                               Report Date: 01/11/2023 16:13
 Instrument, Inj. Vol.: ecd7.i, 2ul                      Matrix: NONE
 Quant Method: Internal Std                              Dilution Factor:  1.0



                                  SURROGATES

        ZB5 Col         |       ZB35 Col        |   ZB5    ZB35
   RT    Shift Response | RT    Shift  Response  |  on col  on col    RPD   Compound/Flag
 ========================================================================================

  5.832  0.000   291214 | 5.709   0.000   188805|   42.9    41.1      4.4    Tetrachloro-m-xylene
 13.903  0.000   461641 |14.128   0.000   380505|   39.4    40.7      3.2    Decachlorobiphenyl


*  Indicates RPD > 40%



                             INTERNAL STANDARD SUMMARY

                                         Column 1
                                  Standard    Sample
                Standard Cpnd       Area*       Area      %D
            --------------------------------------------------
              Bromo-Nitrobenzene    447645      479024    7.0
              Hexabromobiphenyl     798898     1279282   60.1

                                         Column 2
                                  Standard    Sample
                Standard Cpnd       Area*       Area      %D
            --------------------------------------------------
              Bromo-Nitrobenzene    249094     335518    34.7
              Hexabromobiphenyl     362541     659169    81.8


             * Standard Areas taken from Initial Cal Level 3
               Initial Calibration Date: 03-DEC-2022
            <- Indicates standard response outside Limits (-50 to +100%)
```

```
                            ZB5 Col                                ZB35 Col
 Aroclor    Peak#    RT    Shift    Area    Amount    Peak#   RT     Shift    Area   Amount
 ===========================================================================================
 Aroclor-1016 1   7.290   0.000     43563   272.6      1    7.272   0.000    43289   252.3
 Aroclor-1016 2   7.679   0.000    139420   270.3      2    7.873   0.000    95561   258.3
 Aroclor-1016 3   7.813   0.000     67720   289.7      3    8.071   0.000    40202   253.0
 Aroclor-1016 4   8.424   0.000     42449   284.8      4    8.243   0.000    21324   255.2
       Total Col1Ave (4 peaks):   279.3       Total Col2Ave (4 peaks):   254.7   RPD = 9
       Corrected Ave (3 peaks):   275.9       Corrected Ave (3 peaks):   253.5   RPD = 8

                     CalAmt %D:    11.7                     CalAmt %D:     1.9

 Aroclor-1260 1  11.059   0.000    107861   231.6      1   11.663   0.000    83895   241.1
 Aroclor-1260 2  11.375   0.000    113440   235.5      2   11.928   0.000   218436   250.2
 Aroclor-1260 3  11.749   0.000    299151   236.4      3   12.446   0.000    55407   238.3
 Aroclor-1260 4  12.154   0.000    151990   235.8      4   12.511   0.000   146625   251.9
 Aroclor-1260 5  12.257   0.000     63382   240.3      NS    ---                      ----
       Total Col1Ave (5 peaks):   235.9       Total Col2Ave (4 peaks):   245.4   RPD = 4
       Corrected Ave (4 peaks):   234.9       Corrected Ave (3 peaks):   243.2   RPD = 3

                     CalAmt %D:    -5.6                     CalAmt %D:    -1.8




 Total PCB Area Col1 (5.932 - 13.803) =    2971986     Col1 Total PCB = 0.6 ppm*

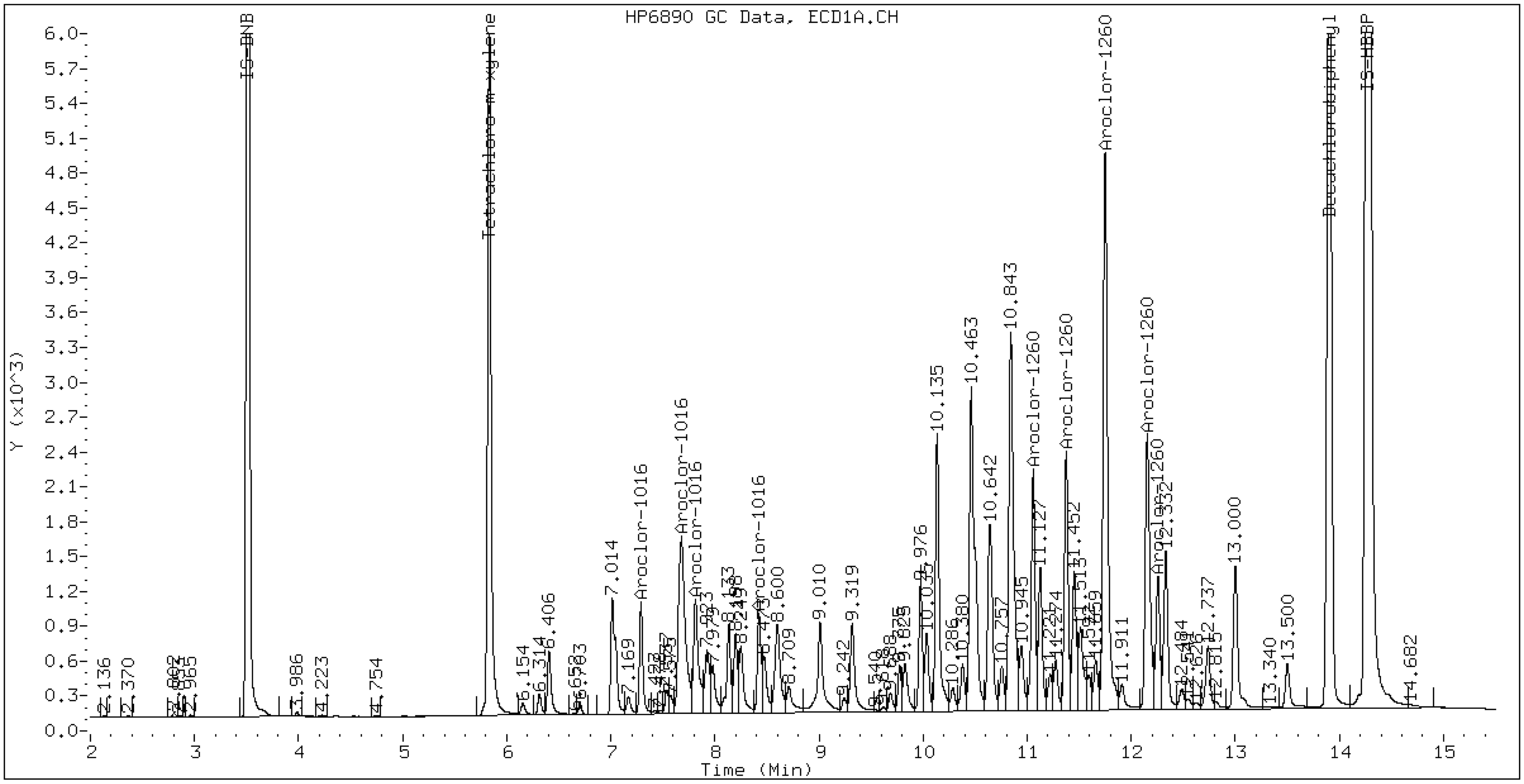
 Total PCB Area Col2 (5.809 - 14.028) =    1926037     Col2 Total PCB = 0.6 ppm*


   *  Quantitated against AR1660 0.25ppm in Ical


                                        PCB-Form 10 Mod.
```

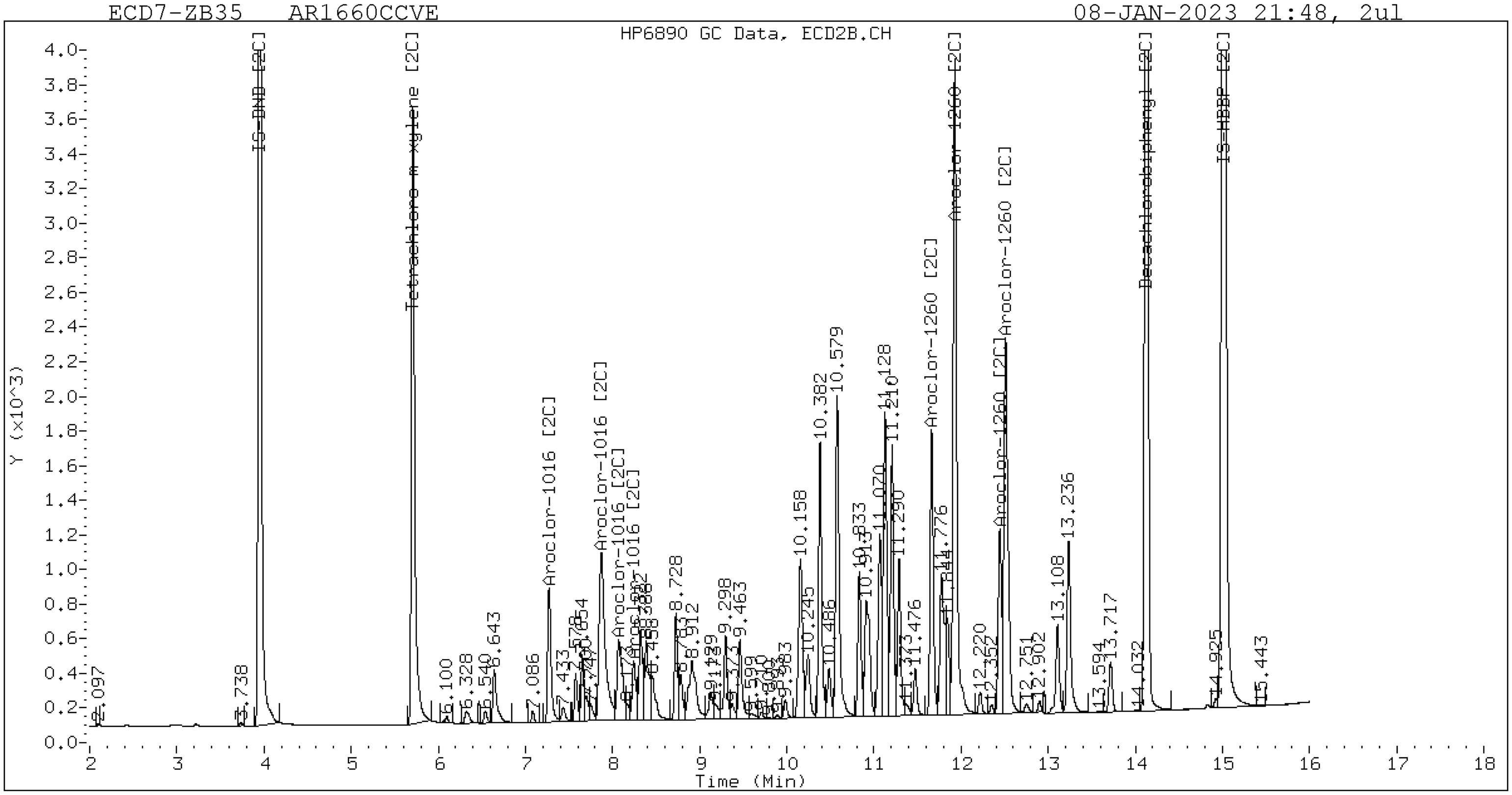
PCB Dual Column Chromatograms

ECD7-ZB5 AR1660CCVE 08-JAN-2023 21:48, 2ul



ZB-5 Manual Integration: NO

ECD7-ZB35 AR1660CCVE 08-JAN-2023 21:48, 2ul



ZB-35 Manual Integration: NO

CONTINUING CALIBRATION CHECK

EPA 8082A

Laboratory: Analytical Resources, LLC
SDG: 22L0307
Client: Anchor QEA, LLC
Project: AOC4 UR Phase 3
Instrument ID: ECD7
Calibration: FL00010
Lab File ID: 01092318ECD7.D
Calibration Date: 12/03/2022
Sequence: SLA0129
Injection Date: 01/09/23
Lab Sample ID: SLA0129-CCV1
Injection Time: 15:02
Sequence Name: AR1248CCV1

		CONC. (ug/L)		RESPONSE FACTOR (RRF)			% DRIFT/DIFF	
COMPOUND	TYPE	STD	CCV	ICAL	CCV	MIN	CCV	LIMIT
Aroclor 1248	A	250.00	272	0.0490062	0.0538685		8.8	+/-20
Aroclor-1248 (1)	A	250.00	259		0.0356471			
Aroclor-1248 (2)	A	250.00	265		0.0465024			
Aroclor-1248 (3)	A	250.00	285		0.0901357			
Aroclor-1248 (4)	A	250.00	279		0.0431888			
Aroclor 1248 [2C]	A	250.00	269	0.0394876	0.0427904		7.7	+/-20
Aroclor-1248 (1) [2C]	A	250.00	262		0.0342840			
Aroclor-1248 (2) [2C]	A	250.00	253		0.0347401			
Aroclor-1248 (3) [2C]	A	250.00	282		0.0471610			
Aroclor-1248 (4) [2C]	A	250.00	280		0.0549765			
Decachlorobiphenyl	A	40.000	39.5	0.7333327	0.7236410		-1.3	+/-20
Tetrachlorometaxylene	A	40.000	37.3	1.1336710	1.0580100		-6.7	+/-20
Decachlorobiphenyl [2C]	A	40.000	39.2	1.1358180	1.1138000		-1.9	+/-20
Tetrachlorometaxylene [2C]	A	40.000	37.1	1.0966080	1.0160300		-7.3	+/-20

* Values outside of QC limits

* Values outside of QC limits

```
                           Analytical Resources Inc.
                      Dual Column 608/8082 PCB Quantitation Report

Data file 1: /230109.b/01092318ECD7.D                   ARI ID: AR1248-CCV1
Data file 2: /230109.b/230109.b/01092318ECD7.D          Client ID:
Method: \\target\share\chem4\ecd7.i\230109.b\PCB.m      Injection Date: 09-JAN-2023 15:02
Compound Sublist: AR1248.sub                               Report Date: 01/14/2023 11:52
Instrument, Inj. Vol.: ecd7.i, 2ul                      Matrix: NONE
Quant Method: Internal Std                              Dilution Factor:  1.0



                                  SURROGATES

       ZB5 Col          |       ZB35 Col          |   ZB5    ZB35
  RT    Shift Response | RT    Shift  Response  |  on col  on col    RPD   Compound/Flag
============================================================================================

 5.832 -0.004   239141 | 5.708  -0.006   160393|   37.3    37.1      0.7    Tetrachloro-m-xylene
13.903 -0.005   416641 |14.127  -0.010   348943|   39.5    39.2      0.6    Decachlorobiphenyl


*  Indicates RPD > 40%




                             INTERNAL STANDARD SUMMARY

                                         Column 1
                                  Standard    Sample
                  Standard Cpnd      Area*       Area      %D
              --------------------------------------------------
                Bromo-Nitrobenzene    447645      452058    1.0
                Hexabromobiphenyl     798898     1151513   44.1

                                         Column 2
                                  Standard    Sample
                  Standard Cpnd      Area*       Area      %D
              --------------------------------------------------
                Bromo-Nitrobenzene    249094     315725    26.7
                Hexabromobiphenyl     362541     626581    72.8


               * Standard Areas taken from Initial Cal Level 3
                 Initial Calibration Date: 03-DEC-2022
              <- Indicates standard response outside Limits (-50 to +100%)
```

```
                             ZB5 Col                                 ZB35 Col
 Aroclor    Peak#    RT    Shift    Area    Amount    Peak#   RT     Shift    Area   Amount
 ====================================================================================
 Aroclor-1248 1   8.425  -0.003     50358   259.1      1    8.322  -0.005    33826   262.3
 Aroclor-1248 2   8.602  -0.002     65693   264.7      2    8.728  -0.004    34276   252.7
 Aroclor-1248 3   9.015  -0.008    127333   285.2      3    9.177  -0.001    46531   282.0
 Aroclor-1248 4   9.308  -0.003     61012   279.0      4    9.601  -0.001    54242   280.0
       Total Col1Ave (4 peaks):   272.0       Total Col2Ave (4 peaks):   269.2   RPD = 1
       Corrected Ave (3 peaks):   267.6       Corrected Ave (3 peaks):   265.0   RPD = 1




 Total PCB Area Col1 (5.936 - 13.808) =     990566     Col1 Total PCB = 0.2 ppm*

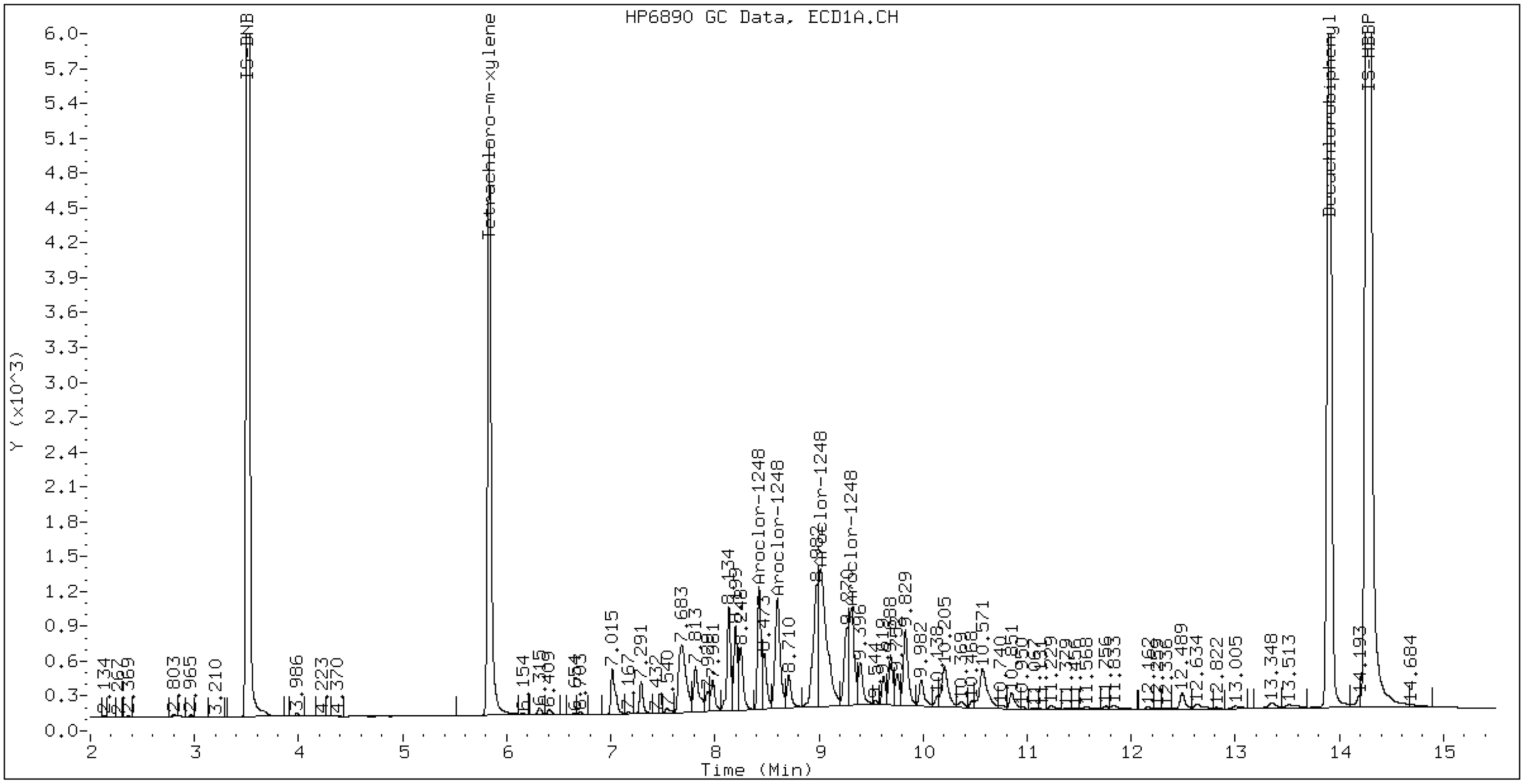
 Total PCB Area Col2 (5.813 - 14.037) =     714178     Col2 Total PCB = 0.2 ppm*

   *  Quantitated against AR1660 0.25ppm in Ical

                                       PCB-Form 10 Mod.
```

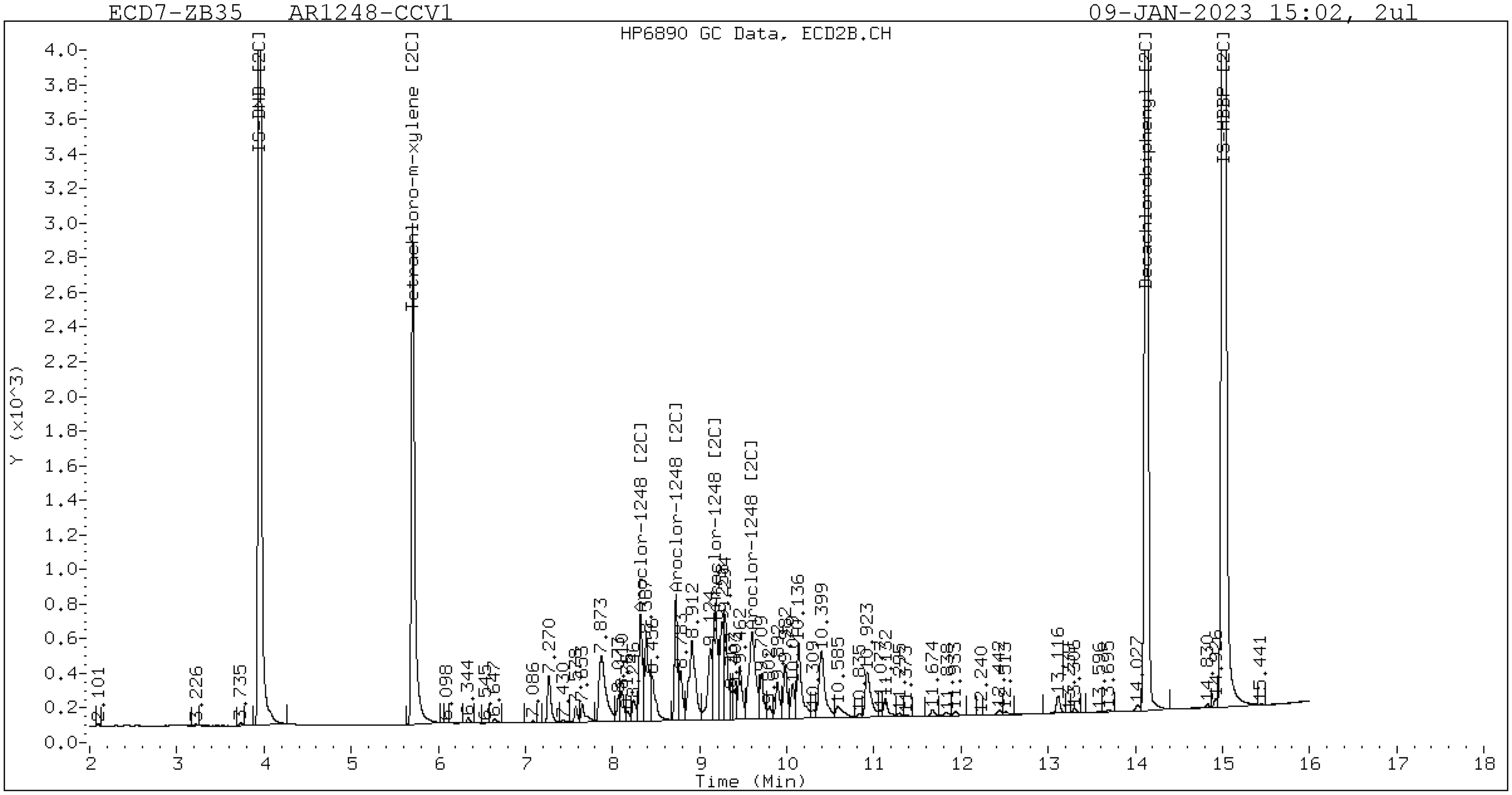
PCB Dual Column Chromatograms

ECD7-ZB5 AR1248-CCV1 09-JAN-2023 15:02, 2ul



ZB-5 Manual Integration: YES

ECD7-ZB35 AR1248-CCV1 09-JAN-2023 15:02, 2ul

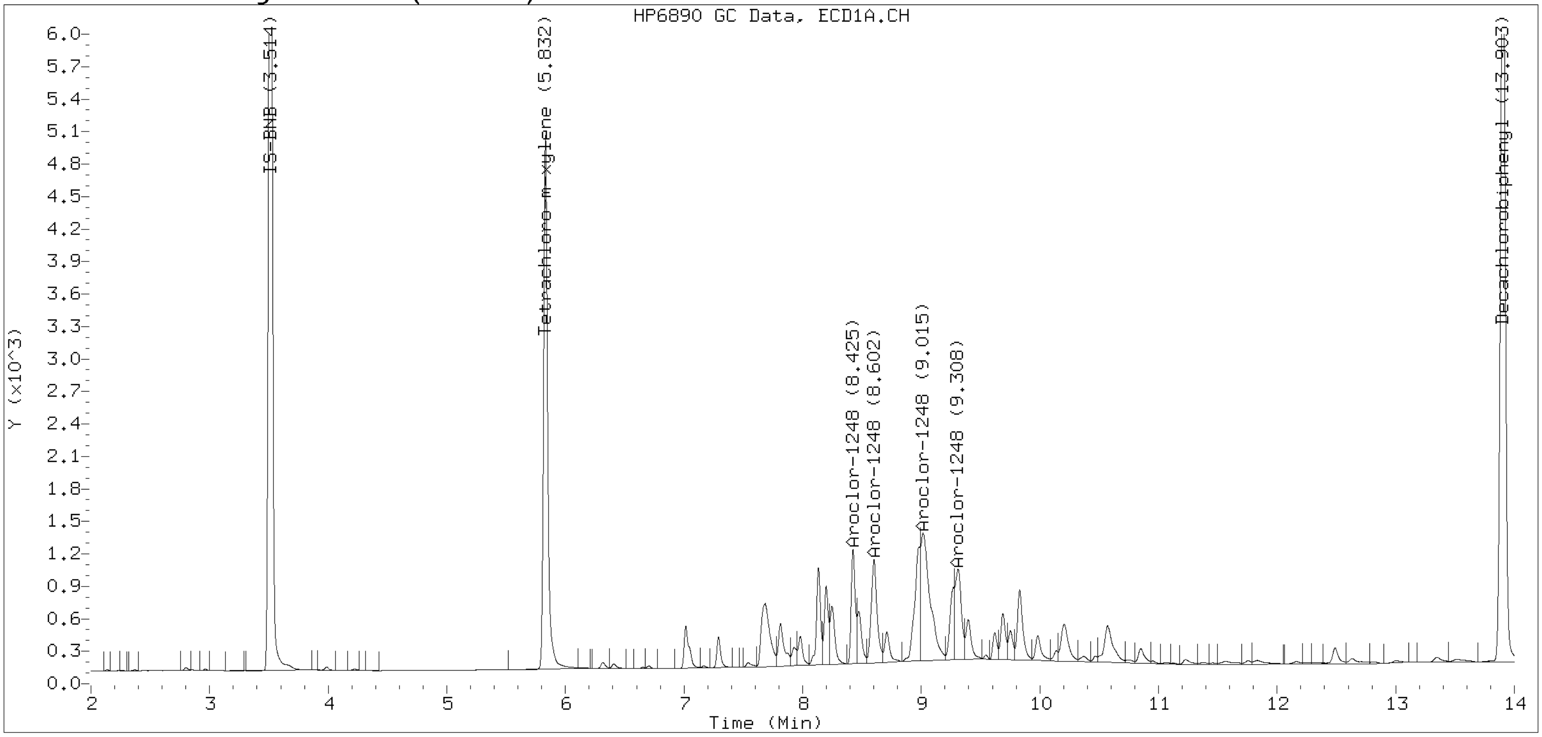


ZB-35 Manual Integration: NO

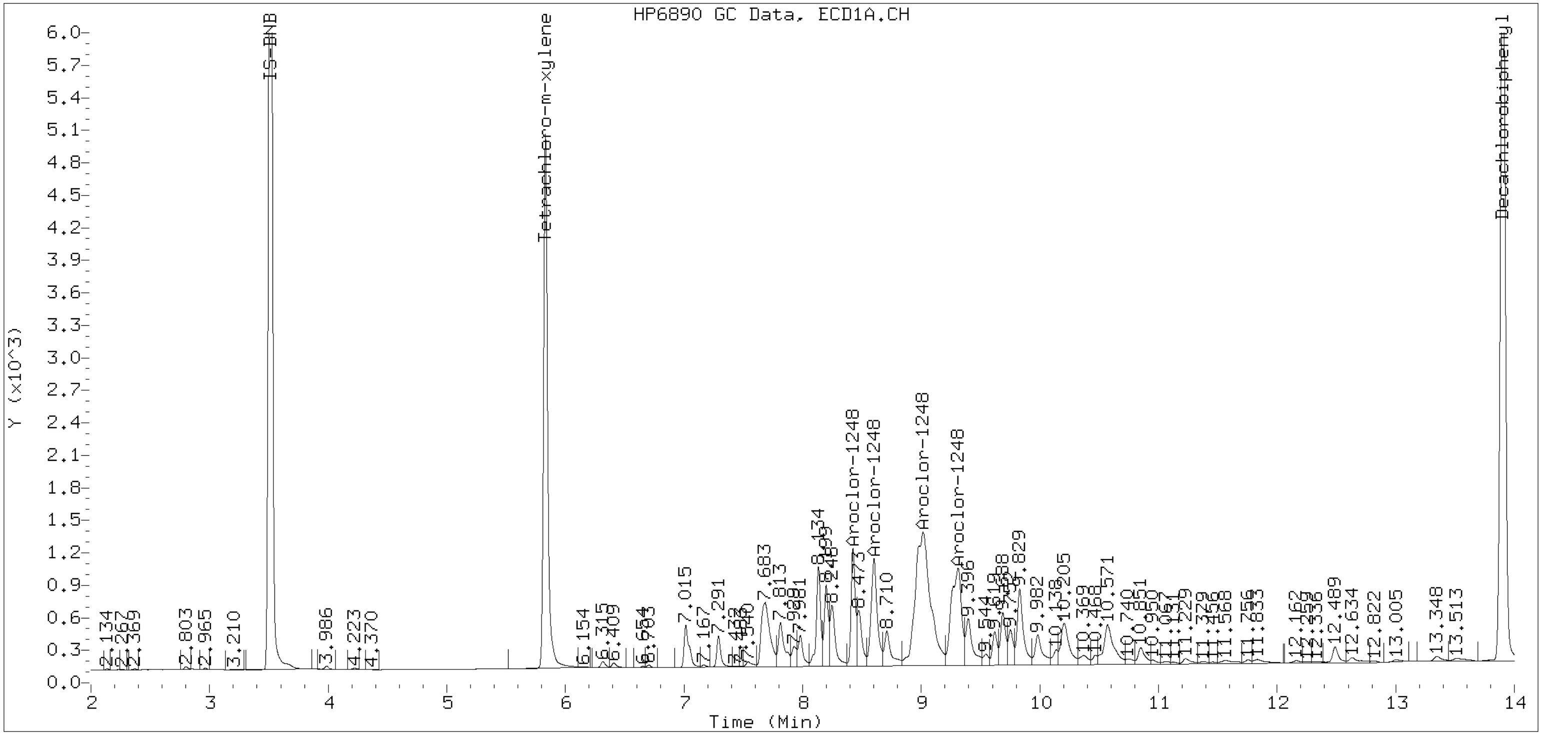
Manual Peak Adjustment, ZB-5

Datafile: ecd7.i/230109.b/01092318ECD7.D   Injection Date: 09-JAN-2023 15:02

Manual Integration (After)



Processed Integration (Before)



CONTINUING CALIBRATION CHECK
EPA 8082A

Laboratory: Analytical Resources, LLC
SDG: 22L0307
Client: Anchor QEA, LLC
Project: AOC4 UR Phase 3
Instrument ID: ECD7
Calibration: FL00010
Lab File ID: 01092319ECD7.D
Calibration Date: 12/03/2022
Sequence: SLA0129
Injection Date: 01/09/23
Lab Sample ID: SLA0129-CCV2
Injection Time: 15:23
Sequence Name: AR1660CCV2

		CONC. (ug/L)		RESPONSE FACTOR (RRF)			% DRIFT/DIFF	
COMPOUND	TYPE	STD	CCV	ICAL	CCV	MIN	CCV	LIMIT
Aroclor 1016	A	250.00	273	0.0441939	0.0477978		9.1	+/-20
Aroclor-1016 (1)	A	250.00	267	0.0266860	0.0285433		7.0	
Aroclor-1016 (2)	A	250.00	264	0.0861572	0.0908512		5.4	
Aroclor-1016 (3)	A	250.00	283	0.0390425	0.0442334		13.3	
Aroclor-1016 (4)	A	250.00	277	0.0248899	0.0275633		10.7	
Aroclor 1016 [2C]	A	250.00	252	0.0467310	0.0469608		0.6	+/-20
Aroclor-1016 (1) [2C]	A	250.00	248	0.0409030	0.0405621		-0.8	
Aroclor-1016 (2) [2C]	A	250.00	252	0.0882154	0.0889378		0.8	
Aroclor-1016 (3) [2C]	A	250.00	251	0.0378846	0.0379611		0.2	
Aroclor-1016 (4) [2C]	A	250.00	256	0.0199212	0.0203824		2.3	
Aroclor 1260	A	250.00	240	0.0390342	0.0374701		-4.1	+/-20
Aroclor-1260 (1)	A	250.00	229	0.0291201	0.0267242		-8.2	
Aroclor-1260 (2)	A	250.00	238	0.0301181	0.0286350		-4.9	
Aroclor-1260 (3)	A	250.00	243	0.0791351	0.0768425		-2.9	
Aroclor-1260 (4)	A	250.00	240	0.0403003	0.0387387		-3.9	
Aroclor-1260 (5)	A	250.00	249	0.0164974	0.0164103		-0.5	
Aroclor 1260 [2C]	A	250.00	230	0.0617619	0.0574419		-7.9	+/-20
Aroclor-1260 (1) [2C]	A	250.00	222	0.0422283	0.0375411		-11.1	
Aroclor-1260 (2) [2C]	A	250.00	234	0.1059643	0.0991637		-6.4	
Aroclor-1260 (3) [2C]	A	250.00	226	0.0282173	0.0254593		-9.8	
Aroclor-1260 (4) [2C]	A	250.00	239	0.0706376	0.0676036		-4.3	
Decachlorobiphenyl	A	40.000	40.6	0.7333327	0.7445515		1.5	+/-20
Tetrachlorometaxylene	A	40.000	41.7	1.1336710	1.1806860		4.1	+/-20
Decachlorobiphenyl [2C]	A	40.000	40.1	1.1358180	1.1392230		0.3	+/-20
Tetrachlorometaxylene [2C]	A	40.000	40.3	1.0966080	1.1048770		0.8	+/-20

* Values outside of QC limits

* Values outside of QC limits

```
                              Analytical Resources Inc.
                         Dual Column 608/8082 PCB Quantitation Report

Data file 1: /230109.b/01092319ECD7.D                        ARI ID: AR1660-CCV2
Data file 2: /230109.b/230109.b/01092319ECD7.D               Client ID:
Method: \\target\share\chem4\ecd7.i\230109.b\PCB.m           Injection Date: 09-JAN-2023 15:23
Compound Sublist: AR1660.sub                                    Report Date: 01/14/2023 11:52
Instrument, Inj. Vol.: ecd7.i, 2ul                           Matrix: NONE
Quant Method: Internal Std                                   Dilution Factor:  1.0



                                 SURROGATES

       ZB5 Col          |        ZB35 Col          |   ZB5    ZB35
   RT    Shift Response | RT    Shift  Response    |  on col  on col    RPD   Compound/Flag
=========================================================================================

  5.833 -0.004   276813 | 5.709  -0.005   180454|   41.7    40.3      3.3    Tetrachloro-m-xylene
 13.903 -0.005   451257 |14.127  -0.010   366716|   40.6    40.1      1.2    Decachlorobiphenyl


*  Indicates RPD > 40%



                            INTERNAL STANDARD SUMMARY

                                        Column 1
                                 Standard    Sample
                  Standard Cpnd       Area*       Area      %D
               --------------------------------------------------
                 Bromo-Nitrobenzene    447645      468902    4.7
                 Hexabromobiphenyl     798898     1212158   51.7

                                        Column 2
                                 Standard    Sample
                  Standard Cpnd       Area*       Area      %D
               --------------------------------------------------
                 Bromo-Nitrobenzene    249094     326650    31.1
                 Hexabromobiphenyl     362541     643800    77.6


                * Standard Areas taken from Initial Cal Level 3
                  Initial Calibration Date: 03-DEC-2022
               <- Indicates standard response outside Limits (-50 to +100%)
```

```
//target/share/chem4/ecd7.i/230109.b/01092319ECD7.D      AR1660-CCV2                         page 2
                            ZB5 Col                                ZB35 Col
 Aroclor   Peak#    RT    Shift    Area    Amount    Peak#   RT     Shift    Area   Amount
 ======================================================================================
 Aroclor-1016 1   7.290  -0.005     41825   267.4      1    7.272  -0.003    41405   247.9
 Aroclor-1016 2   7.681  -0.004    133126   263.6      2    7.873   0.003    90786   252.0
 Aroclor-1016 3   7.813  -0.005     64816   283.2      3    8.071   0.001    38750   250.5
 Aroclor-1016 4   8.424  -0.005     40389   276.9      4    8.242   0.001    20806   255.8
       Total Col1Ave (4 peaks):   272.8       Total Col2Ave (4 peaks):   251.6   RPD = 8
       Corrected Ave (3 peaks):   269.3       Corrected Ave (3 peaks):   250.2   RPD = 7

 Aroclor-1260 1  11.058  -0.004    101231   229.4      1   11.663  -0.006    75528   222.3
 Aroclor-1260 2  11.375  -0.002    108469   237.7      2   11.927  -0.006   199505   234.0
 Aroclor-1260 3  11.749  -0.003    291079   242.8      3   12.445  -0.007    51221   225.6
 Aroclor-1260 4  12.154  -0.004    146742   240.3      4   12.511  -0.006   136010   239.3
 Aroclor-1260 5  12.257  -0.005     62162   248.7      NS    ---                      ----
       Total Col1Ave (5 peaks):   239.8       Total Col2Ave (4 peaks):   230.3   RPD = 4
       Corrected Ave (4 peaks):   237.5       Corrected Ave (3 peaks):   227.3   RPD = 4




 Total PCB Area Col1 (5.936 - 13.808) =    2827931     Col1 Total PCB = 0.6 ppm*

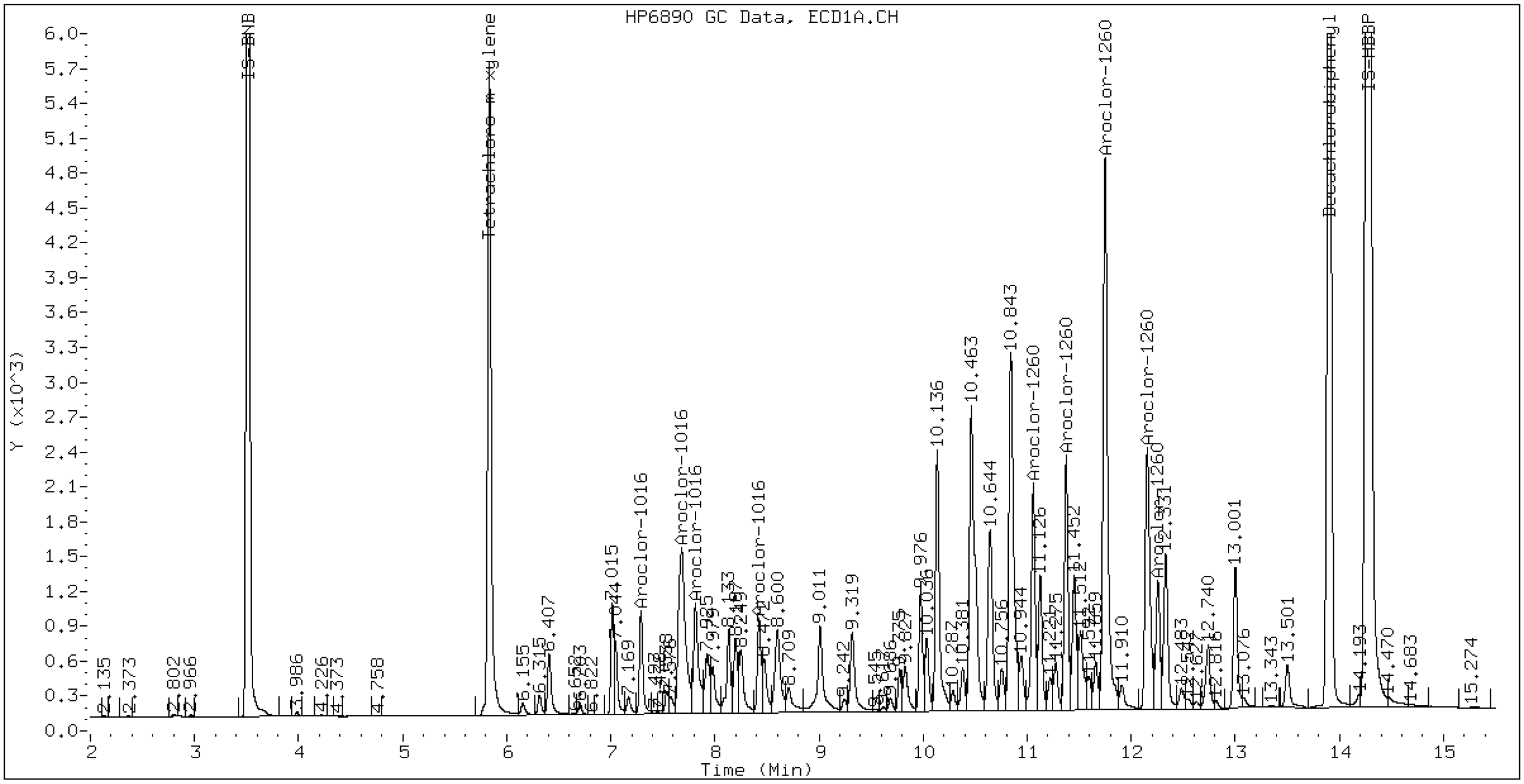
 Total PCB Area Col2 (5.813 - 14.037) =    1778330     Col2 Total PCB = 0.6 ppm*


   *  Quantitated against AR1660 0.25ppm in Ical


                                     PCB-Form 10 Mod.
```

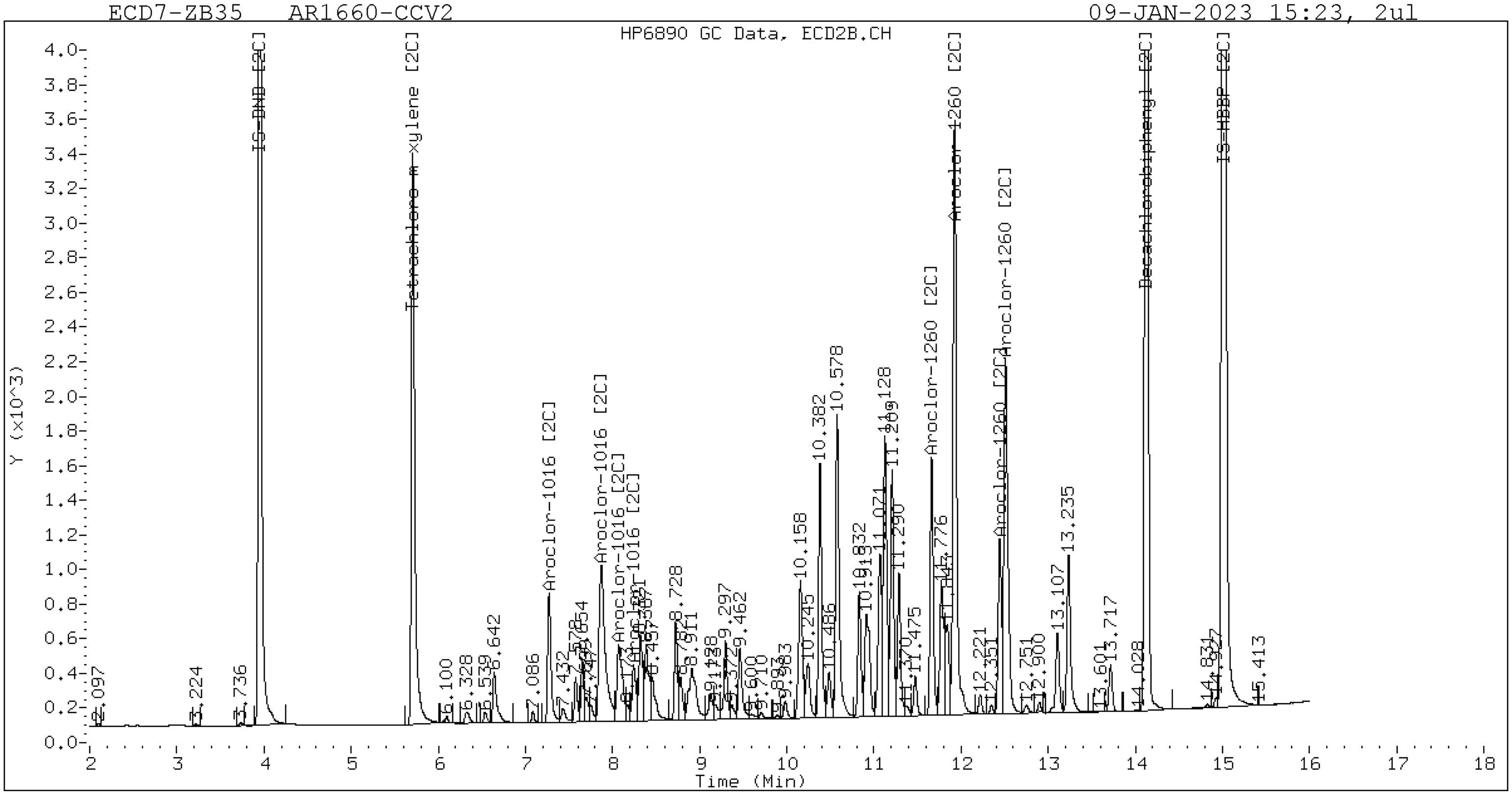
PCB Dual Column Chromatograms

ECD7-ZB5 AR1660-CCV2 09-JAN-2023 15:23, 2ul



ZB-5 Manual Integration: NO

ECD7-ZB35 AR1660-CCV2 09-JAN-2023 15:23, 2ul



ZB-35 Manual Integration: NO

Analytical Resources, LLC
Analytical Chemists and Consultants

CONTINUING CALIBRATION CHECK

EPA 8082A

Laboratory:	Analytical Resources, LLC	SDG:	22L0307
Client:	Anchor QEA, LLC	Project:	AOC4 UR Phase 3
Instrument ID:	ECD7	Calibration:	FL00010
Lab File ID:	01092332ECD7.D	Calibration Date:	12/03/2022
Sequence:	SLA0129	Injection Date:	01/09/23
Lab Sample ID:	SLA0129-CCV3	Injection Time:	19:57
Sequence Name:	AR1242CCV3		

COMPOUND	TYPE	CONC. (ug/L) STD	CONC. (ug/L) CCV	RESPONSE FACTOR (RRF) ICAL	RESPONSE FACTOR (RRF) CCV	RESPONSE FACTOR (RRF) MIN	% DRIFT/DIFF CCV	% DRIFT/DIFF LIMIT
Aroclor 1242	A	250.00	267	0.0396000	0.0422981		6.9	+/-20
Aroclor-1242 (1)	A	250.00	263		0.0238233			
Aroclor-1242 (2)	A	250.00	256		0.0738284			
Aroclor-1242 (3)	A	250.00	259		0.0214483			
Aroclor-1242 (4)	A	250.00	291		0.0500925			
Aroclor 1242 [2C]	A	250.00	260	0.0391981	0.0407017		4.2	+/-20
Aroclor-1242 (1) [2C]	A	250.00	257		0.0348467			
Aroclor-1242 (2) [2C]	A	250.00	258		0.0741538			
Aroclor-1242 (3) [2C]	A	250.00	262		0.0243255			
Aroclor-1242 (4) [2C]	A	250.00	264		0.0294808			
Decachlorobiphenyl	A	40.000	40.8	0.7333327	0.7471032		1.9	+/-20
Tetrachlorometaxylene	A	40.000	39.0	1.1336710	1.1042940		-2.6	+/-20
Decachlorobiphenyl [2C]	A	40.000	42.4	1.1358180	1.2031480		5.9	+/-20
Tetrachlorometaxylene [2C]	A	40.000	37.5	1.0966080	1.0283100		-6.2	+/-20

* Values outside of QC limits

* Values outside of QC limits

```
                              Analytical Resources Inc.
                         Dual Column 608/8082 PCB Quantitation Report

 Data file 1: /230109.b/01092332ECD7.D                  ARI ID: AR1242-CCV3
 Data file 2: /230109.b/230109.b/01092332ECD7.D         Client ID:
 Method: \\target\share\chem4\ecd7.i\230109.b\PCB.m     Injection Date: 09-JAN-2023 19:57
 Compound Sublist: AR1242.sub                              Report Date: 01/14/2023 11:52
 Instrument, Inj. Vol.: ecd7.i, 2ul                     Matrix: NONE
 Quant Method: Internal Std                             Dilution Factor:  1.0



                                 SURROGATES

        ZB5 Col         |       ZB35 Col         |   ZB5    ZB35
   RT    Shift Response | RT    Shift  Response  |  on col  on col    RPD   Compound/Flag
 ==========================================================================================

  5.834 -0.003   246690 | 5.710  -0.004   164073|   39.0    37.5      3.8    Tetrachloro-m-xylene
 13.903 -0.004   213707 |14.127  -0.010   230670|   40.8    42.4      3.9    Decachlorobiphenyl


*  Indicates RPD > 40%




                            INTERNAL STANDARD SUMMARY

                                        Column 1
                                 Standard    Sample
                  Standard Cpnd      Area*       Area      %D
               --------------------------------------------------
                 Bromo-Nitrobenzene    447645      446783   -0.2
                 Hexabromobiphenyl     798898      572095  -28.4

                                        Column 2
                                 Standard    Sample
                  Standard Cpnd      Area*       Area      %D
               --------------------------------------------------
                 Bromo-Nitrobenzene    249094     319112    28.1
                 Hexabromobiphenyl     362541     383444     5.8


                * Standard Areas taken from Initial Cal Level 3
                  Initial Calibration Date: 03-DEC-2022
               <- Indicates standard response outside Limits (-50 to +100%)
```

```
                              ZB5 Col                                  ZB35 Col
 Aroclor    Peak#    RT    Shift    Area    Amount    Peak#   RT     Shift    Area   Amount
 ==========================================================================================
 Aroclor-1242 1   7.290  -0.005     33262   262.7      1    7.272  -0.005    34750   257.3
 Aroclor-1242 2   7.679  -0.006    103079   256.4      2    7.872  -0.002    73948   257.9
 Aroclor-1242 3   8.424  -0.005     29946   258.9      3    9.177  -0.001    24258   262.3
 Aroclor-1242 4   9.023  -0.008     69939   291.1      4    9.602  -0.004    29399   264.4
       Total Col1Ave (4 peaks):   267.3       Total Col2Ave (4 peaks):   260.5   RPD = 3
       Corrected Ave (3 peaks):   259.3       Corrected Ave (3 peaks):   259.2   RPD = 0




 Total PCB Area Col1 (5.936 - 13.808) =     787002     Col1 Total PCB = 0.2 ppm*

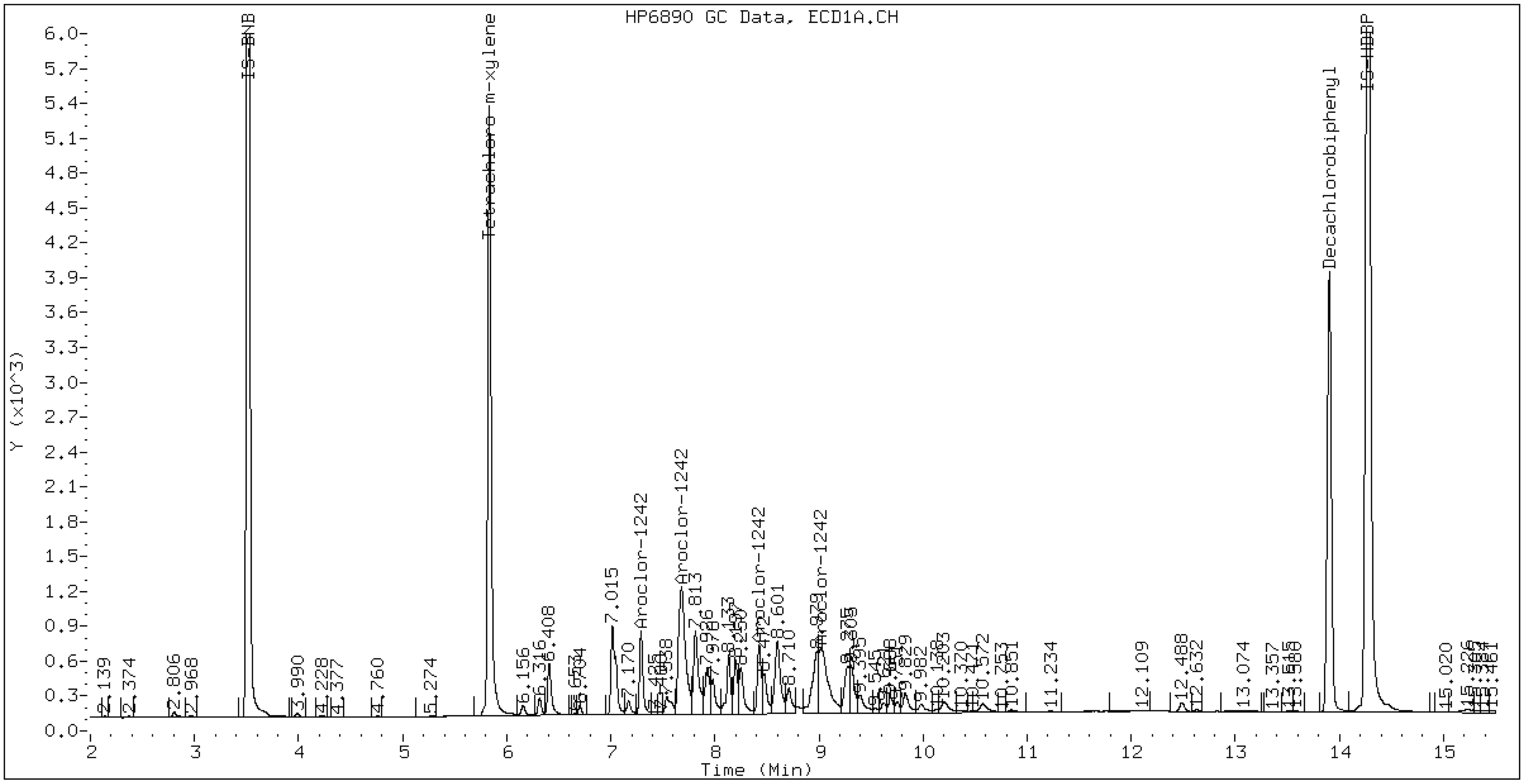
 Total PCB Area Col2 (5.813 - 14.037) =     539053     Col2 Total PCB = 0.2 ppm*


   *  Quantitated against AR1660 0.25ppm in Ical
```

PCB-Form 10 Mod.

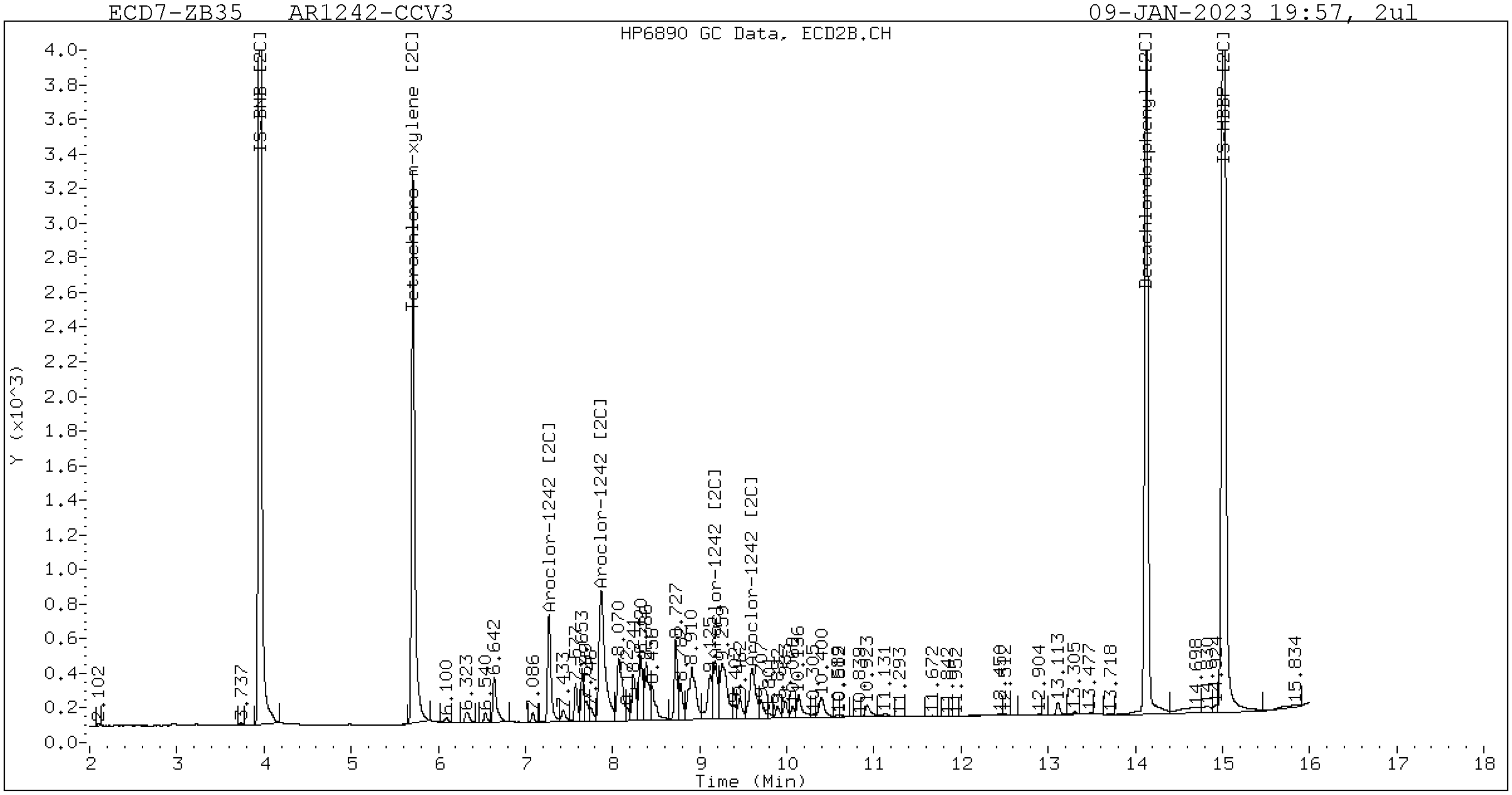
PCB Dual Column Chromatograms

ECD7-ZB5 AR1242-CCV3 09-JAN-2023 19:57, 2ul



ZB-5 Manual Integration: NO

ECD7-ZB35 AR1242-CCV3 09-JAN-2023 19:57, 2ul



ZB-35 Manual Integration: NO

CONTINUING CALIBRATION CHECK

EPA 8082A

Laboratory:	Analytical Resources, LLC	SDG:	22L0307
Client:	Anchor QEA, LLC	Project:	AOC4 UR Phase 3
Instrument ID:	ECD7	Calibration:	FL00010
Lab File ID:	01092333ECD7.D	Calibration Date:	12/03/2022
Sequence:	SLA0129	Injection Date:	01/09/23
Lab Sample ID:	SLA0129-CCV4	Injection Time:	20:19
Sequence Name:	AR1660CCV4		

COMPOUND	TYPE	CONC. (ug/L)		RESPONSE FACTOR (RRF)			% DRIFT/DIFF	
		STD	CCV	ICAL	CCV	MIN	CCV	LIMIT
Aroclor 1016	A	250.00	273	0.0441939	0.0481376		9.1	+/-20
Aroclor-1016 (1)	A	250.00	272	0.0266860	0.0290571		8.9	
Aroclor-1016 (2)	A	250.00	270	0.0861572	0.0928979		7.8	
Aroclor-1016 (3)	A	250.00	281	0.0390425	0.0438286		12.3	
Aroclor-1016 (4)	A	250.00	269	0.0248899	0.0267668		7.5	
Aroclor 1016 [2C]	A	250.00	260	0.0467310	0.0484559		3.9	+/-20
Aroclor-1016 (1) [2C]	A	250.00	259	0.0409030	0.0423468		3.5	
Aroclor-1016 (2) [2C]	A	250.00	260	0.0882154	0.0915760		3.8	
Aroclor-1016 (3) [2C]	A	250.00	256	0.0378846	0.0388136		2.5	
Aroclor-1016 (4) [2C]	A	250.00	265	0.0199212	0.0210871		5.9	
Aroclor 1260	A	250.00	294	0.0390342	0.0461726		17.8	+/-20
Aroclor-1260 (1)	A	250.00	301	0.0291201	0.0350377		20.3	
Aroclor-1260 (2)	A	250.00	312	0.0301181	0.0375559		24.7	
Aroclor-1260 (3)	A	250.00	298	0.0791351	0.0942365		19.1	
Aroclor-1260 (4)	A	250.00	283	0.0403003	0.0456060		13.2	
Aroclor-1260 (5)	A	250.00	279	0.0164974	0.0184270		11.7	
Aroclor 1260 [2C]	A	250.00	288	0.0617619	0.0716406		15.1	+/-20
Aroclor-1260 (1) [2C]	A	250.00	286	0.0422283	0.0483557		14.5	
Aroclor-1260 (2) [2C]	A	250.00	295	0.1059643	0.1251615		18.1	
Aroclor-1260 (3) [2C]	A	250.00	281	0.0282173	0.0317339		12.5	
Aroclor-1260 (4) [2C]	A	250.00	288	0.0706376	0.0813112		15.1	
Decachlorobiphenyl	A	40.000	42.9	0.7333327	0.7868561		7.3	+/-20
Tetrachlorometaxylene	A	40.000	43.5	1.1336710	1.2328650		8.7	+/-20
Decachlorobiphenyl [2C]	A	40.000	42.4	1.1358180	1.2036430		6.0	+/-20
Tetrachlorometaxylene [2C]	A	40.000	42.1	1.0966080	1.1532200		5.2	+/-20

* Values outside of QC limits

```
                         Analytical Resources Inc.
                    Dual Column 608/8082 PCB Quantitation Report

Data file 1: /230109.b/01092333ECD7.D                    ARI ID: AR1660-CCV4
Data file 2: /230109.b/230109.b/01092333ECD7.D           Client ID:
Method: \\target\share\chem4\ecd7.i\230109.b\PCB.m      Injection Date: 09-JAN-2023 20:19
Compound Sublist: AR1660.sub                                Report Date: 01/14/2023 11:52
Instrument, Inj. Vol.: ecd7.i, 2ul                       Matrix: NONE
Quant Method: Internal Std                               Dilution Factor:  1.0



                                SURROGATES

       ZB5 Col          |       ZB35 Col         |   ZB5    ZB35
  RT    Shift Response | RT    Shift  Response  |  on col  on col    RPD   Compound/Flag
============================================================================================

 5.831 -0.005   286630 | 5.707  -0.006   190298|   43.5    42.1      3.4    Tetrachloro-m-xylene
13.902 -0.006   272277 |14.127  -0.010   262021|   42.9    42.4      1.2    Decachlorobiphenyl


*  Indicates RPD > 40%




                           INTERNAL STANDARD SUMMARY

                                       Column 1
                                Standard    Sample
                 Standard Cpnd       Area*       Area      %D
              --------------------------------------------------
                Bromo-Nitrobenzene    447645      464982    3.9
                Hexabromobiphenyl     798898      692063  -13.4

                                       Column 2
                                Standard    Sample
                 Standard Cpnd       Area*       Area      %D
              --------------------------------------------------
                Bromo-Nitrobenzene    249094     330029    32.5
                Hexabromobiphenyl     362541     435380    20.1


               * Standard Areas taken from Initial Cal Level 3
                 Initial Calibration Date: 03-DEC-2022
              <- Indicates standard response outside Limits (-50 to +100%)
```

```
//target/share/chem4/ecd7.i/230109.b/01092333ECD7.D      AR1660-CCV4                        page 2
                             ZB5 Col                             ZB35 Col
 Aroclor   Peak#    RT    Shift    Area    Amount    Peak#   RT     Shift    Area   Amount
 ========================================================================================
 Aroclor-1016 1   7.289  -0.005     42222   272.2      1    7.271  -0.004    43674   258.8
 Aroclor-1016 2   7.676  -0.008    134987   269.6      2    7.870  -0.001    94446   259.5
 Aroclor-1016 3   7.811  -0.007     63686   280.6      3    8.069  -0.001    40030   256.1
 Aroclor-1016 4   8.422  -0.007     38894   268.9      4    8.240  -0.001    21748   264.6
       Total Col1Ave (4 peaks):   272.8       Total Col2Ave (4 peaks):   259.8   RPD = 5
       Corrected Ave (3 peaks):   270.2       Corrected Ave (3 peaks):   258.2   RPD = 5

 Aroclor-1260 1  11.057  -0.005     75776   300.8      1   11.662  -0.007    65791   286.3
 Aroclor-1260 2  11.374  -0.004     81222   311.7      2   11.925  -0.007   170290   295.3
 Aroclor-1260 3  11.747  -0.005    203805   297.7      3   12.443  -0.008    43176   281.2
 Aroclor-1260 4  12.151  -0.007     98632   282.9      4   12.509  -0.007   110629   287.8
 Aroclor-1260 5  12.255  -0.007     39852   279.2      NS    ---                     ----
       Total Col1Ave (5 peaks):   294.5       Total Col2Ave (4 peaks):   287.6   RPD = 2
       Corrected Ave (4 peaks):   290.2       Corrected Ave (3 peaks):   285.1   RPD = 2







 Total PCB Area Col1 (5.936 - 13.808) =    2214314     Col1 Total PCB = 0.5 ppm*

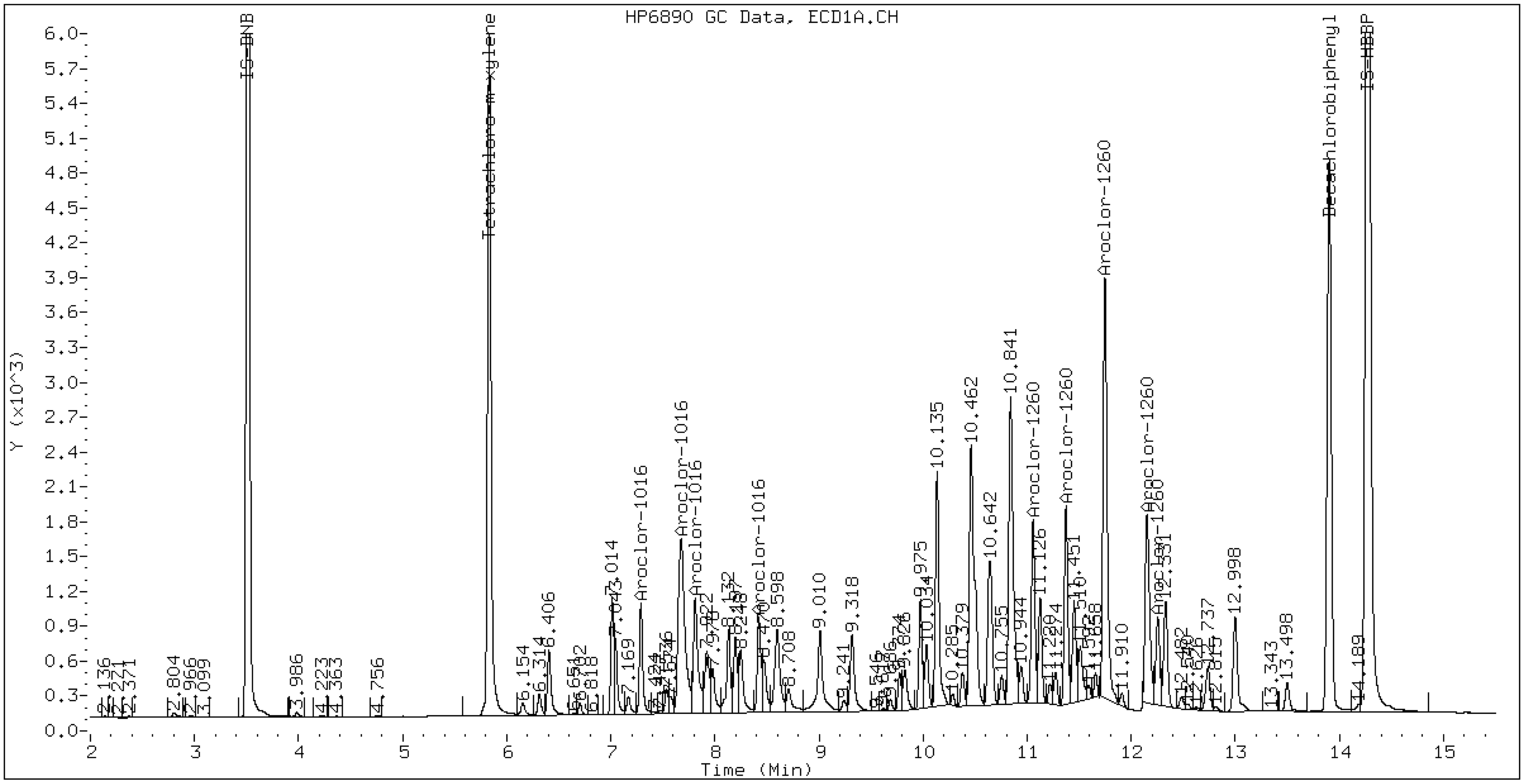
 Total PCB Area Col2 (5.813 - 14.037) =    1631519     Col2 Total PCB = 0.5 ppm*


   *  Quantitated against AR1660 0.25ppm in Ical


                                     PCB-Form 10 Mod.
```

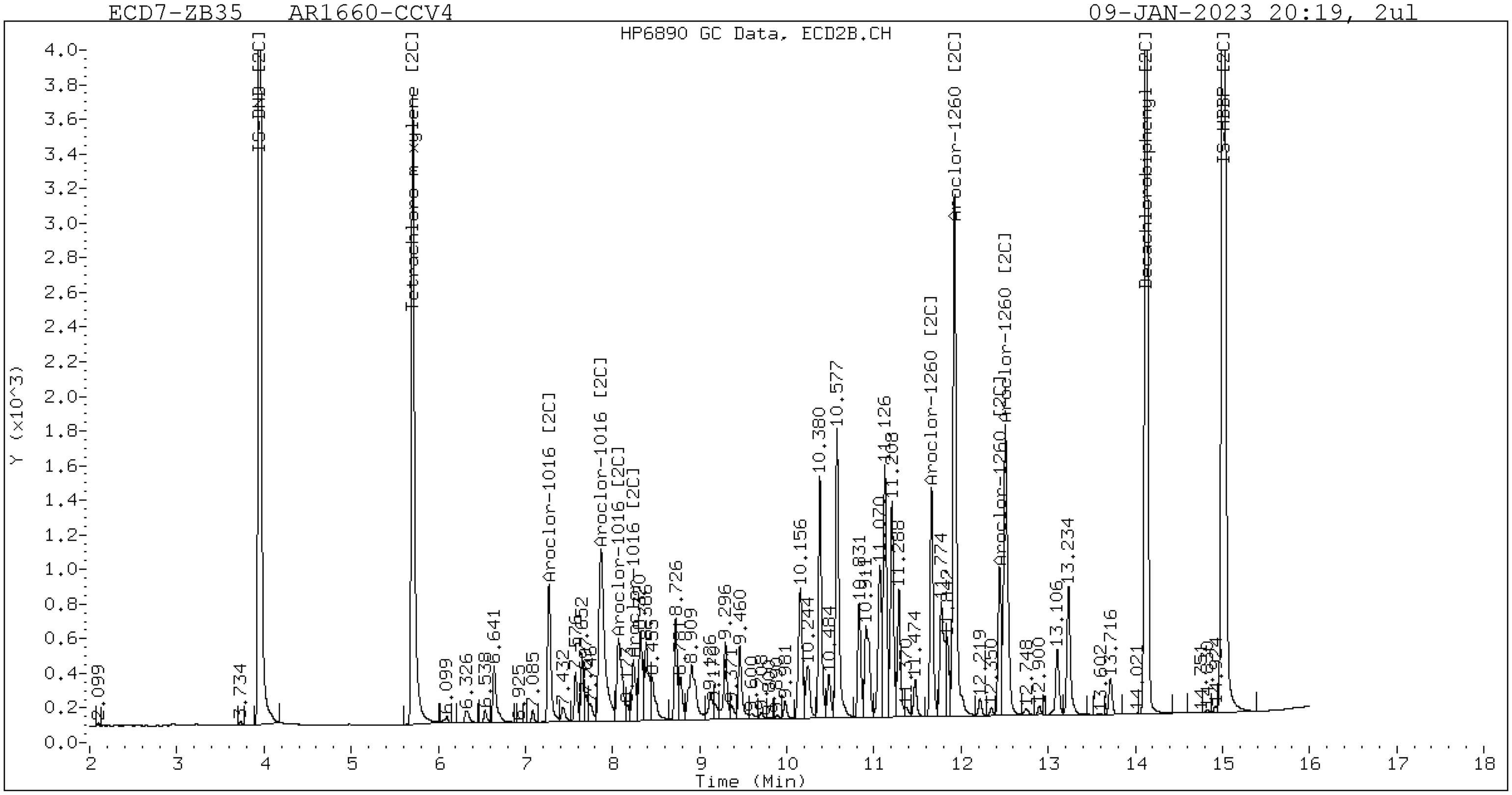
PCB Dual Column Chromatograms

ECD7-ZB5 AR1660-CCV4 09-JAN-2023 20:19, 2ul



ZB-5 Manual Integration: NO

ECD7-ZB35 AR1660-CCV4 09-JAN-2023 20:19, 2ul



ZB-35 Manual Integration: NO

CONTINUING CALIBRATION CHECK
EPA 8082A

Laboratory:	Analytical Resources, LLC	SDG:	22L0307
Client:	Anchor QEA, LLC	Project:	AOC4 UR Phase 3
Instrument ID:	ECD7	Calibration:	FL00010
Lab File ID:	01092344ECD7.D	Calibration Date:	12/03/2022
Sequence:	SLA0129	Injection Date:	01/10/23
Lab Sample ID:	SLA0129-CCV5	Injection Time:	00:10
Sequence Name:	AR1254CCV5		

		CONC. (ug/L)		RESPONSE FACTOR (RRF)			% DRIFT/DIFF	
COMPOUND	TYPE	STD	CCV	ICAL	CCV	MIN	CCV	LIMIT
Aroclor 1254	A	250.00	307	0.0576965	0.0702425		22.7	+/-20 *
Aroclor-1254 (1)	A	250.00	292		0.0821977			
Aroclor-1254 (2)	A	250.00	337		0.0369560			
Aroclor-1254 (3)	A	250.00	281		0.0499783			
Aroclor-1254 (4)	A	250.00	311		0.1077159			
Aroclor-1254 (5)	A	250.00	313		0.0743647			
Aroclor 1254 [2C]	A	250.00	288	0.0638047	0.0733482		15.2	+/-20
Aroclor-1254 (1) [2C]	A	250.00	275		0.0567209			
Aroclor-1254 (2) [2C]	A	250.00	290		0.0481334			
Aroclor-1254 (3) [2C]	A	250.00	280		0.0998073			
Aroclor-1254 (4) [2C]	A	250.00	294		0.1083874			
Aroclor-1254 (5) [2C]	A	250.00	301		0.0536922			
Decachlorobiphenyl	A	40.000	42.0	0.7333327	0.7699744		5.0	+/-20
Tetrachlorometaxylene	A	40.000	38.7	1.1336710	1.0964820		-3.3	+/-20
Decachlorobiphenyl [2C]	A	40.000	41.6	1.1358180	1.1811320		4.0	+/-20
Tetrachlorometaxylene [2C]	A	40.000	37.7	1.0966080	1.0341720		-5.7	+/-20

* Values outside of QC limits

* Values outside of QC limits

```
                                 Analytical Resources Inc.
                            Dual Column 608/8082 PCB Quantitation Report

Data file 1: /230109.b/01092344ECD7.D                        ARI ID: AR1254-CCV5
Data file 2: /230109.b/230109.b/01092344ECD7.D               Client ID:
Method: \\target\share\chem4\ecd7.i\230109.b\PCB.m           Injection Date: 10-JAN-2023 00:10
Compound Sublist: AR1254.sub                                    Report Date: 01/13/2023 16:17
Instrument, Inj. Vol.: ecd7.i, 2ul                           Matrix: NONE
Quant Method: Internal Std                                   Dilution Factor:  1.0



                                    SURROGATES

       ZB5 Col          |       ZB35 Col         |   ZB5    ZB35
  RT    Shift Response | RT    Shift  Response  |  on col  on col    RPD   Compound/Flag
=========================================================================================

 5.832 -0.004   263972 | 5.708  -0.005   176845|   38.7    37.7      2.5    Tetrachloro-m-xylene
13.903 -0.005   395706 |14.128  -0.009   328667|   42.0    41.6      1.0    Decachlorobiphenyl


*  Indicates RPD > 40%



                               INTERNAL STANDARD SUMMARY

                                            Column 1
                                     Standard    Sample
                  Standard Cpnd       Area*       Area      %D
               --------------------------------------------------
                 Bromo-Nitrobenzene    447645      481489    7.6
                 Hexabromobiphenyl     798898     1027842   28.7

                                            Column 2
                                     Standard    Sample
                  Standard Cpnd       Area*       Area      %D
               --------------------------------------------------
                 Bromo-Nitrobenzene    249094     342003    37.3
                 Hexabromobiphenyl     362541     556529    53.5


                * Standard Areas taken from Initial Cal Level 3
                  Initial Calibration Date: 03-DEC-2022
               <- Indicates standard response outside Limits (-50 to +100%)
```

```
//target/share/chem4/ecd7.i/230109.b/01092344ECD7.D      AR1254-CCV5                   page 2
                            ZB5 Col                                ZB35 Col
 Aroclor   Peak#    RT    Shift    Area    Amount    Peak#   RT     Shift    Area   Amount
 ========================================================================================
 Aroclor-1254 1   9.316  -0.005    123679   291.7      1    9.462  -0.005    60621   274.9
 Aroclor-1254 2   9.396  -0.006     55606   337.3      2    9.981  -0.005    51443   290.2
 Aroclor-1254 3   9.685  -0.009     75200   280.8      3   10.135  -0.005   106670   279.9
 Aroclor-1254 4   9.825  -0.006    162075   310.5      4   10.384  -0.005   115840   293.5
 Aroclor-1254 5  10.192   0.003    111893   312.7      5   10.580  -0.007    57384   301.5
       Total Col1Ave (5 peaks):   306.6       Total Col2Ave (5 peaks):   288.0   RPD = 6
       Corrected Ave (4 peaks):   299.0       Corrected Ave (4 peaks):   284.6   RPD = 5




 Total PCB Area Col1 (5.936 - 13.808) =    1711786     Col1 Total PCB = 0.4 ppm*

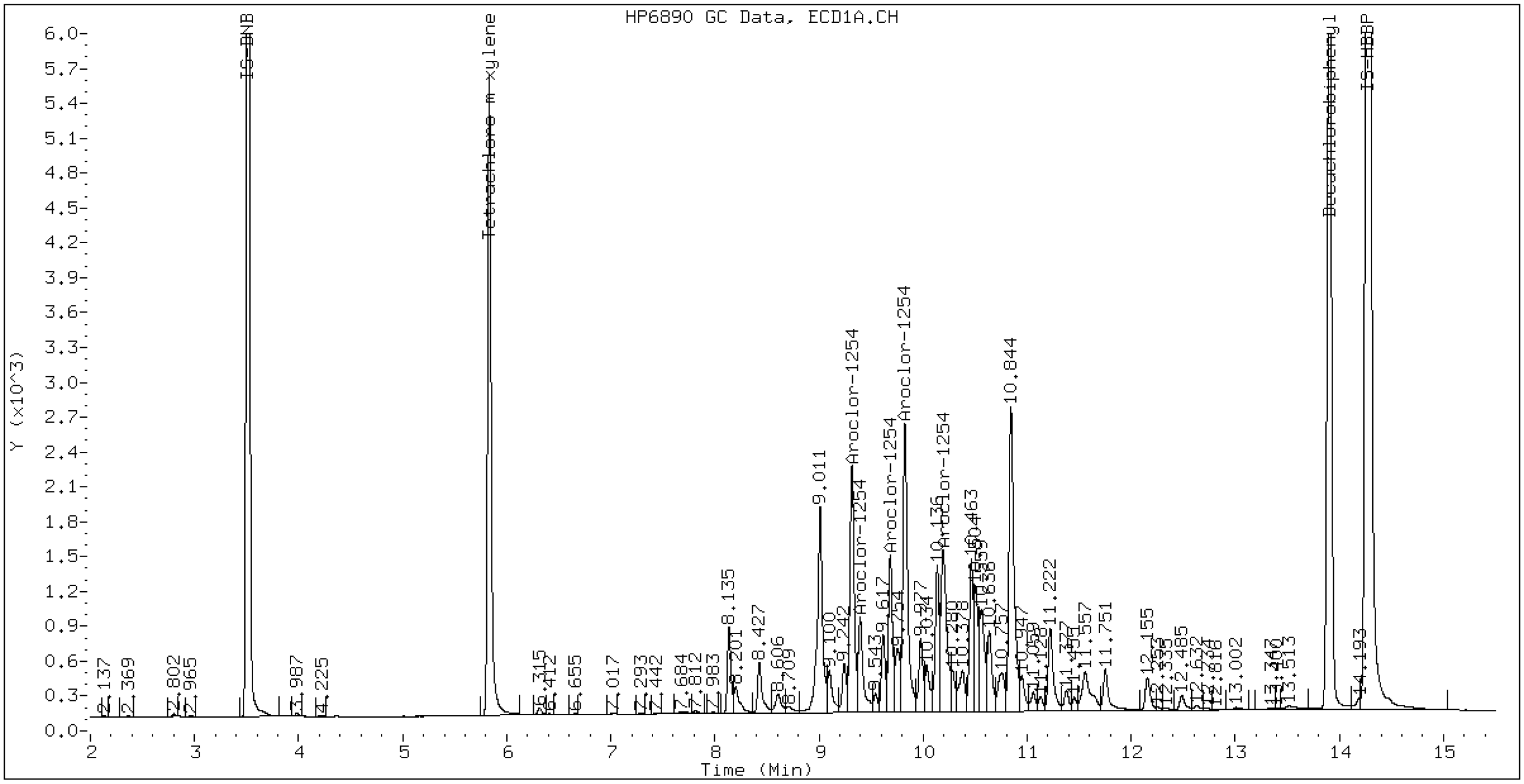
 Total PCB Area Col2 (5.813 - 14.037) =    1071990     Col2 Total PCB = 0.3 ppm*


   *  Quantitated against AR1660 0.25ppm in Ical

                                    PCB-Form 10 Mod.
```

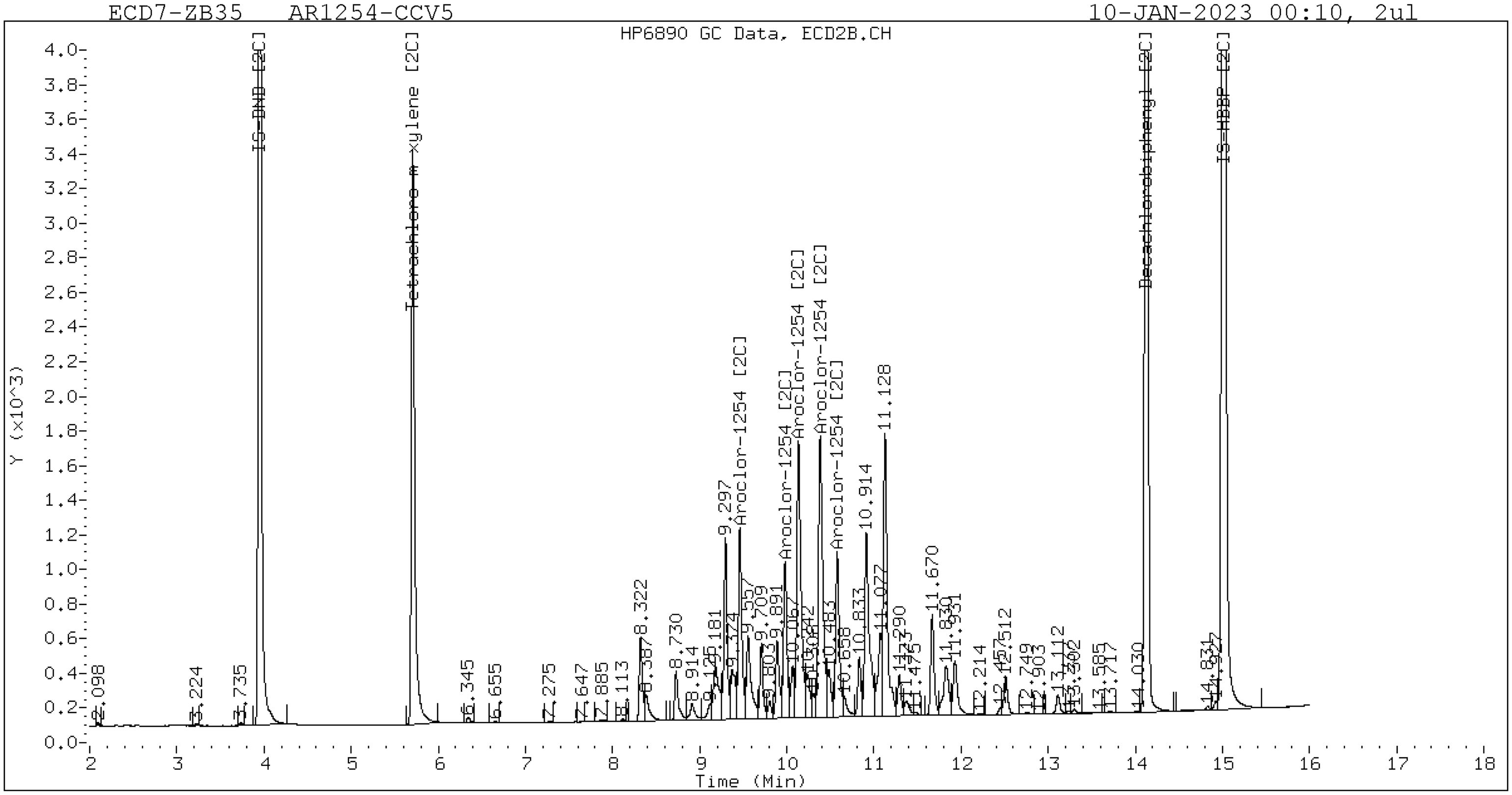
PCB Dual Column Chromatograms

ECD7-ZB5 AR1254-CCV5 10-JAN-2023 00:10, 2ul



ZB-5 Manual Integration: NO

ECD7-ZB35 AR1254-CCV5 10-JAN-2023 00:10, 2ul



ZB-35 Manual Integration: NO

CONTINUING CALIBRATION CHECK

EPA 8082A

Laboratory: Analytical Resources, LLC

SDG: 22L0307

Client: Anchor QEA, LLC

Project: AOC4 UR Phase 3

Instrument ID: ECD7

Calibration: FL00010

Lab File ID: 01092345ECD7.D

Calibration Date: 12/03/2022

Sequence: SLA0129

Injection Date: 01/10/23

Lab Sample ID: SLA0129-CCV6

Injection Time: 00:31

Sequence Name: AR1660CCV6

		CONC. (ug/L)		RESPONSE FACTOR (RRF)			% DRIFT/DIFF	
COMPOUND	TYPE	STD	CCV	ICAL	CCV	MIN	CCV	LIMIT
Aroclor 1016	A	250.00	276	0.0441939	0.0484764		10.6	+/-20
Aroclor-1016 (1)	A	250.00	272	0.0266860	0.0290561		8.9	
Aroclor-1016 (2)	A	250.00	268	0.0861572	0.0924571		7.3	
Aroclor-1016 (3)	A	250.00	285	0.0390425	0.0444916		14.0	
Aroclor-1016 (4)	A	250.00	280	0.0248899	0.0279010		12.1	
Aroclor 1016 [2C]	A	250.00	246	0.0467310	0.0460616		-1.5	+/-20
Aroclor-1016 (1) [2C]	A	250.00	248	0.0409030	0.0405177		-0.9	
Aroclor-1016 (2) [2C]	A	250.00	247	0.0882154	0.0872830		-1.1	
Aroclor-1016 (3) [2C]	A	250.00	243	0.0378846	0.0367659		-3.0	
Aroclor-1016 (4) [2C]	A	250.00	247	0.0199212	0.0196798		-1.2	
Aroclor 1260	A	250.00	259	0.0390342	0.0405147		3.6	+/-20
Aroclor-1260 (1)	A	250.00	261	0.0291201	0.0303490		4.2	
Aroclor-1260 (2)	A	250.00	265	0.0301181	0.0319673		6.1	
Aroclor-1260 (3)	A	250.00	262	0.0791351	0.0829085		4.8	
Aroclor-1260 (4)	A	250.00	251	0.0403003	0.0404669		0.4	
Aroclor-1260 (5)	A	250.00	256	0.0164974	0.0168818		2.3	
Aroclor 1260 [2C]	A	250.00	258	0.0617619	0.0643203		3.1	+/-20
Aroclor-1260 (1) [2C]	A	250.00	251	0.0422283	0.0423996		0.4	
Aroclor-1260 (2) [2C]	A	250.00	263	0.1059643	0.1116426		5.4	
Aroclor-1260 (3) [2C]	A	250.00	252	0.0282173	0.0284844		0.9	
Aroclor-1260 (4) [2C]	A	250.00	265	0.0706376	0.0747545		5.8	
Decachlorobiphenyl	A	40.000	42.3	0.7333327	0.7757008		5.8	+/-20
Tetrachlorometaxylene	A	40.000	43.1	1.1336710	1.2210720		7.7	+/-20
Decachlorobiphenyl [2C]	A	40.000	41.5	1.1358180	1.1798260		3.9	+/-20
Tetrachlorometaxylene [2C]	A	40.000	41.1	1.0966080	1.1278200		2.8	+/-20

* Values outside of QC limits

* Values outside of QC limits

```
                              Analytical Resources Inc.
                         Dual Column 608/8082 PCB Quantitation Report

Data file 1: /230109.b/01092345ECD7.D                        ARI ID: AR1660-CCV6
Data file 2: /230109.b/230109.b/01092345ECD7.D               Client ID:
Method: \\target\share\chem4\ecd7.i\230109.b\PCB.m           Injection Date: 10-JAN-2023 00:31
Compound Sublist: AR1660.sub                                    Report Date: 01/13/2023 16:17
Instrument, Inj. Vol.: ecd7.i, 2ul                           Matrix: NONE
Quant Method: Internal Std                                   Dilution Factor:  1.0



                                 SURROGATES

       ZB5 Col          |       ZB35 Col         |   ZB5    ZB35
  RT    Shift Response | RT    Shift  Response  |  on col  on col    RPD   Compound/Flag
==========================================================================================

  5.832 -0.004   298698 | 5.707  -0.006   195564|   43.1    41.1      4.6    Tetrachloro-m-xylene
 13.904 -0.004   427185 |14.127  -0.010   346378|   42.3    41.5      1.8    Decachlorobiphenyl


*  Indicates RPD > 40%




                             INTERNAL STANDARD SUMMARY

                                         Column 1
                                  Standard    Sample
                 Standard Cpnd      Area*       Area      %D
              --------------------------------------------------
                Bromo-Nitrobenzene    447645      489239    9.3
                Hexabromobiphenyl     798898     1101417   37.9

                                         Column 2
                                  Standard    Sample
                 Standard Cpnd      Area*       Area      %D
              --------------------------------------------------
                Bromo-Nitrobenzene    249094     346800    39.2
                Hexabromobiphenyl     362541     587168    62.0


               * Standard Areas taken from Initial Cal Level 3
                 Initial Calibration Date: 03-DEC-2022
              <- Indicates standard response outside Limits (-50 to +100%)
```

```
//target/share/chem4/ecd7.i/230109.b/01092345ECD7.D      AR1660-CCV6                        page 2
                             ZB5 Col                          ZB35 Col
 Aroclor   Peak#   RT     Shift    Area   Amount     Peak#   RT    Shift     Area  Amount
 ========================================================================================
 Aroclor-1016 1   7.290  -0.005     44423   272.2      1    7.271  -0.004    43911   247.6
 Aroclor-1016 2   7.677  -0.007    141355   268.3      2    7.872   0.001    94593   247.4
 Aroclor-1016 3   7.812  -0.006     68022   284.9      3    8.070  -0.001    39845   242.6
 Aroclor-1016 4   8.424  -0.006     42657   280.2      4    8.241   0.000    21328   247.0
       Total Col1Ave (4 peaks):   276.4       Total Col2Ave (4 peaks):   246.1   RPD = 12
       Corrected Ave (3 peaks):   273.6       Corrected Ave (3 peaks):   245.6   RPD = 11

 Aroclor-1260 1  11.058  -0.004    104459   260.6      1   11.662  -0.007    77799   251.0
 Aroclor-1260 2  11.374  -0.003    110029   265.3      2   11.927  -0.006   204853   263.4
 Aroclor-1260 3  11.749  -0.003    285365   261.9      3   12.444  -0.007    52266   252.4
 Aroclor-1260 4  12.153  -0.005    139284   251.0      4   12.510  -0.006   137167   264.6
 Aroclor-1260 5  12.257  -0.005     58106   255.8      NS    ---                     ----
       Total Col1Ave (5 peaks):   258.9       Total Col2Ave (4 peaks):   257.8   RPD = 0
       Corrected Ave (4 peaks):   257.3       Corrected Ave (3 peaks):   255.6   RPD = 1




 Total PCB Area Col1 (5.936 - 13.808) =    2885590     Col1 Total PCB = 0.6 ppm*

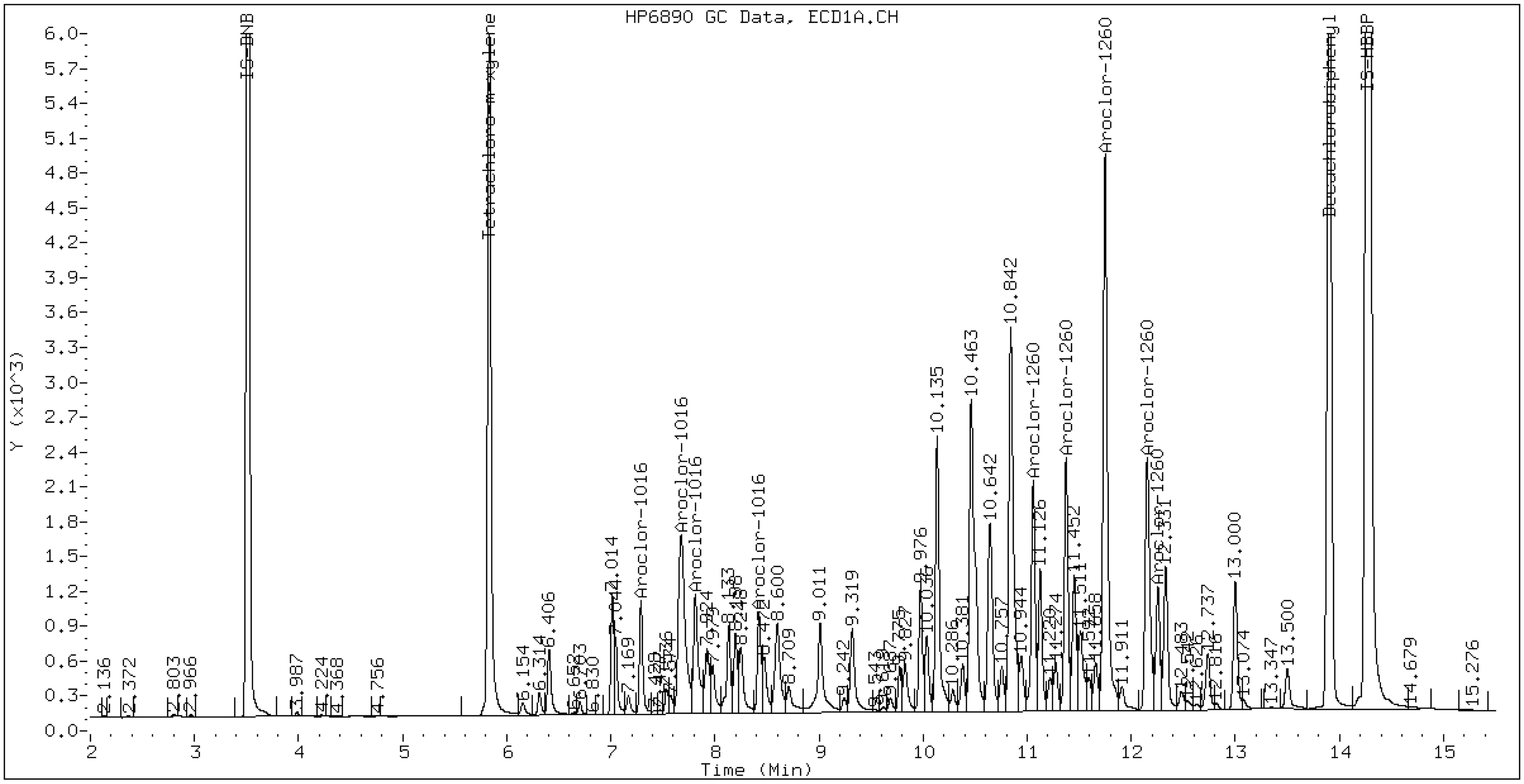
 Total PCB Area Col2 (5.813 - 14.037) =    1833667     Col2 Total PCB = 0.6 ppm*

   *  Quantitated against AR1660 0.25ppm in Ical

                                     PCB-Form 10 Mod.
```

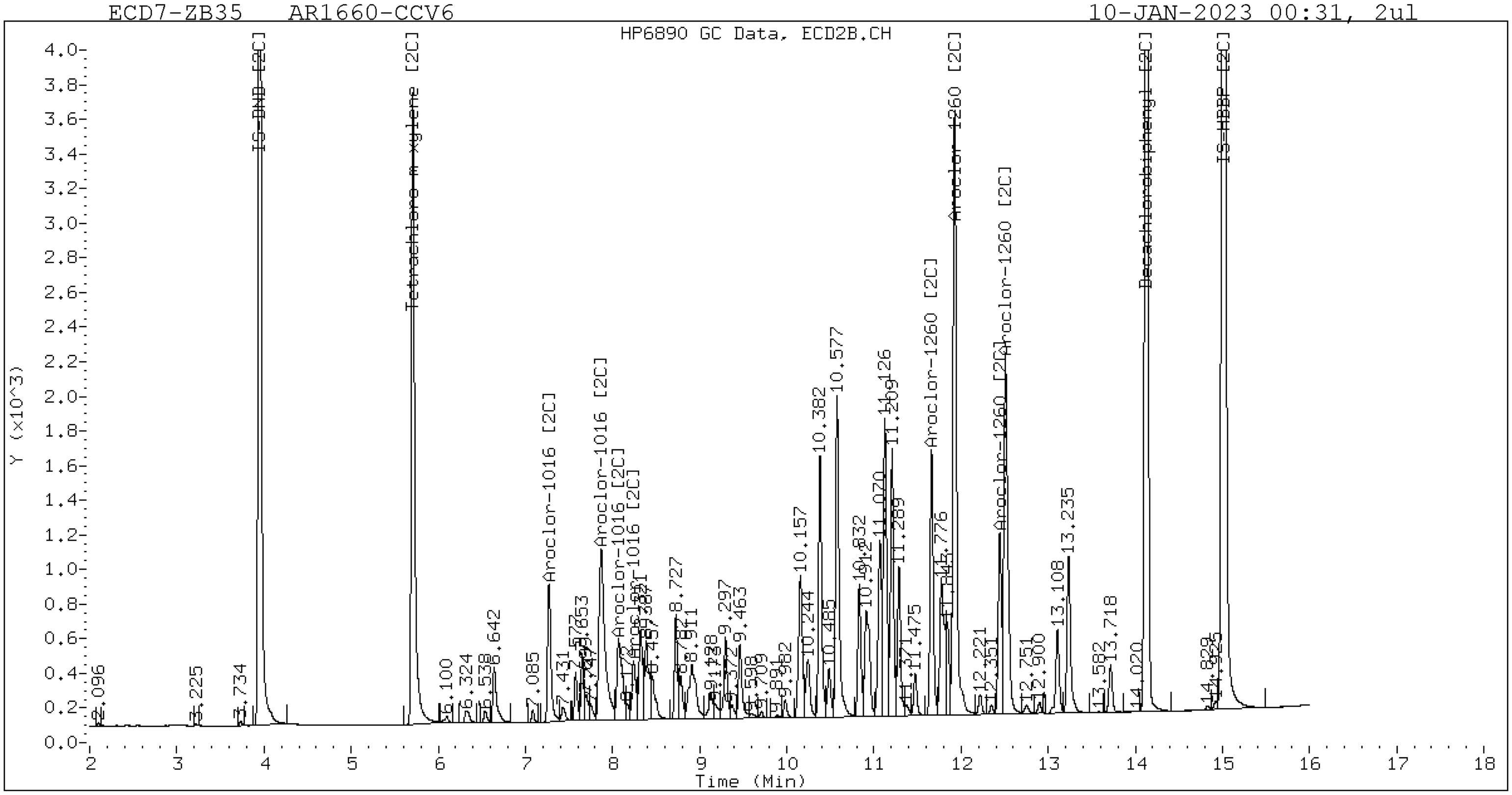
PCB Dual Column Chromatograms

ECD7-ZB5 AR1660-CCV6 10-JAN-2023 00:31, 2ul



ZB-5 Manual Integration: NO

ECD7-ZB35 AR1660-CCV6 10-JAN-2023 00:31, 2ul



ZB-35 Manual Integration: NO

CONTINUING CALIBRATION CHECK

EPA 8082A

Laboratory: Analytical Resources, LLC
SDG: 22L0307
Client: Anchor QEA, LLC
Project: AOC4 UR Phase 3
Instrument ID: ECD7
Calibration: FL00010
Lab File ID: 01092353ECD7.D
Calibration Date: 12/03/2022
Sequence: SLA0129
Injection Date: 01/10/23
Lab Sample ID: SLA0129-CCV7
Injection Time: 03:20
Sequence Name: AR1248CCV7

		CONC. (ug/L)		RESPONSE FACTOR (RRF)			% DRIFT/DIFF	
COMPOUND	TYPE	STD	CCV	ICAL	CCV	MIN	CCV	LIMIT
Aroclor 1248	A	250.00	286	0.0490062	0.0571647		14.5	+/-20
Aroclor-1248 (1)	A	250.00	268		0.0369040			
Aroclor-1248 (2)	A	250.00	282		0.0494647			
Aroclor-1248 (3)	A	250.00	311		0.0982210			
Aroclor-1248 (4)	A	250.00	285		0.0440690			
Aroclor 1248 [2C]	A	250.00	263	0.0394876	0.0417450		5.2	+/-20
Aroclor-1248 (1) [2C]	A	250.00	259		0.0338763			
Aroclor-1248 (2) [2C]	A	250.00	247		0.0339885			
Aroclor-1248 (3) [2C]	A	250.00	273		0.0456795			
Aroclor-1248 (4) [2C]	A	250.00	272		0.0534357			
Decachlorobiphenyl	A	40.000	38.2	0.7333327	0.6998433		-4.6	+/-20
Tetrachlorometaxylene	A	40.000	38.1	1.1336710	1.0811750		-4.6	+/-20
Decachlorobiphenyl [2C]	A	40.000	40.8	1.1358180	1.1589710		2.0	+/-20
Tetrachlorometaxylene [2C]	A	40.000	37.0	1.0966080	1.0155270		-7.4	+/-20

* Values outside of QC limits

* Values outside of QC limits

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                              Analytical Resources Inc.
                         Dual Column 608/8082 PCB Quantitation Report

 Data file 1: /230109.b/01092353ECD7.D                        ARI ID: AR1248-CCV7
 Data file 2: /230109.b/230109.b/01092353ECD7.D               Client ID:
 Method: \\target\share\chem4\ecd7.i\230109.b\PCB.m           Injection Date: 10-JAN-2023 03:20
 Compound Sublist: AR1248.sub                                    Report Date: 01/13/2023 16:17
 Instrument, Inj. Vol.: ecd7.i, 2ul                           Matrix: NONE
 Quant Method: Internal Std                                   Dilution Factor:  1.0



                                 SURROGATES

        ZB5 Col          |       ZB35 Col         |   ZB5    ZB35
   RT    Shift Response | RT    Shift  Response  |  on col  on col    RPD   Compound/Flag
 ==========================================================================================

  5.832 -0.004   253435 | 5.709  -0.005   167989|   38.1    37.0      2.9    Tetrachloro-m-xylene
 13.903 -0.005   357776 |14.129  -0.008   333913|   38.2    40.8      6.7    Decachlorobiphenyl


*  Indicates RPD > 40%



                            INTERNAL STANDARD SUMMARY

                                        Column 1
                                 Standard    Sample
                   Standard Cpnd       Area*       Area      %D
               --------------------------------------------------
                 Bromo-Nitrobenzene    447645      468814    4.7
                 Hexabromobiphenyl     798898     1022446   28.0

                                        Column 2
                                 Standard    Sample
                   Standard Cpnd       Area*       Area      %D
               --------------------------------------------------
                 Bromo-Nitrobenzene    249094     330841    32.8
                 Hexabromobiphenyl     362541     576223    58.9


                * Standard Areas taken from Initial Cal Level 3
                  Initial Calibration Date: 03-DEC-2022
               <- Indicates standard response outside Limits (-50 to +100%)
```

```
                             ZB5 Col                                ZB35 Col
 Aroclor   Peak#    RT    Shift    Area    Amount    Peak#   RT     Shift    Area   Amount
 =========================================================================================
 Aroclor-1248 1   8.424  -0.004     54066   268.2      1    8.322  -0.004    35024   259.1
 Aroclor-1248 2   8.600  -0.004     72468   281.6      2    8.728  -0.005    35140   247.2
 Aroclor-1248 3   9.015  -0.007    143898   310.8      3    9.177  -0.000    47227   273.1
 Aroclor-1248 4   9.310  -0.001     64563   284.6      4    9.601  -0.001    55246   272.2
       Total Col1Ave (4 peaks):   286.3       Total Col2Ave (4 peaks):   262.9   RPD = 9
       Corrected Ave (3 peaks):   278.1       Corrected Ave (3 peaks):   259.5   RPD = 7




 Total PCB Area Col1 (5.936 - 13.808) =    1132007     Col1 Total PCB = 0.3 ppm*

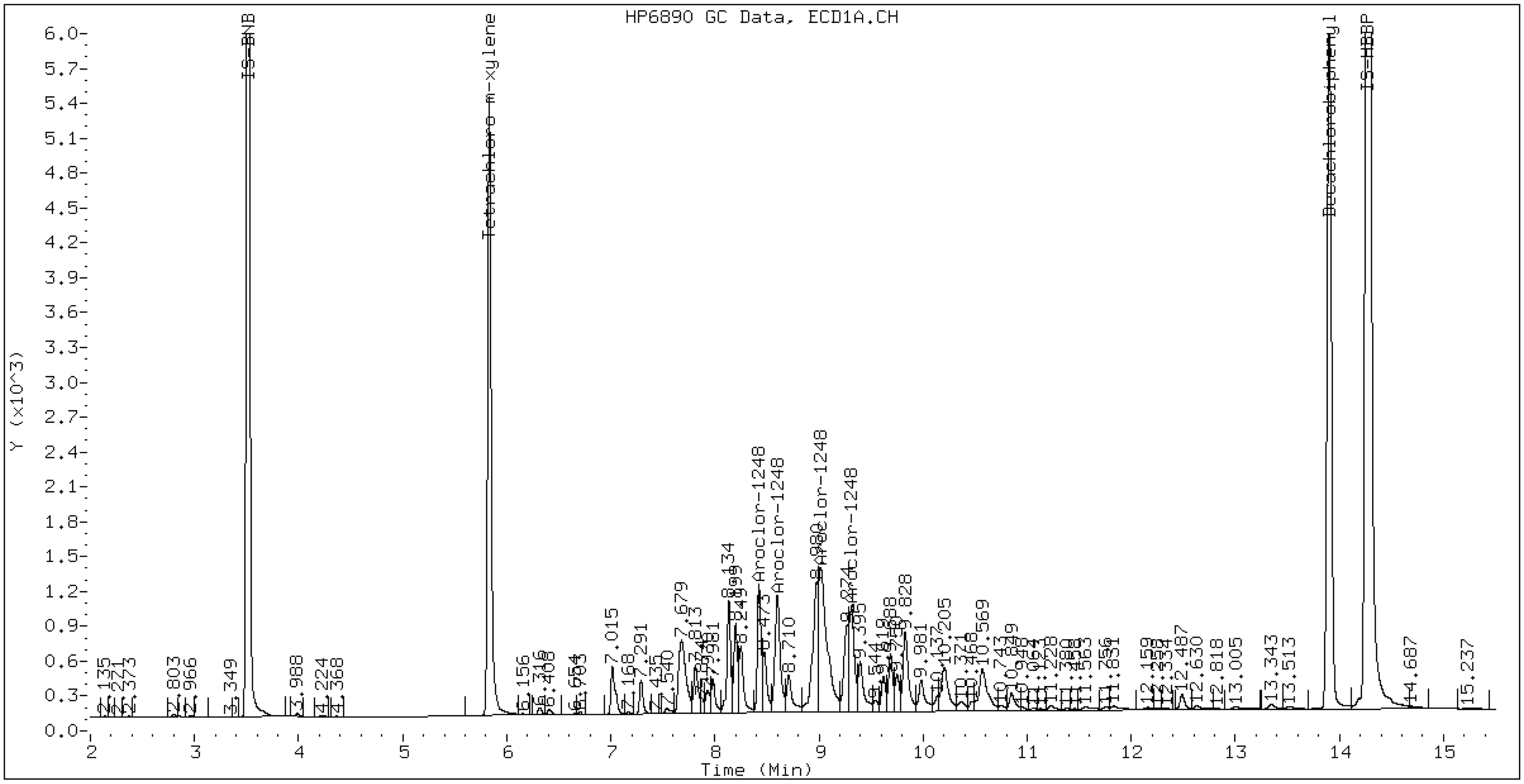
 Total PCB Area Col2 (5.813 - 14.037) =     724167     Col2 Total PCB = 0.2 ppm*


   *  Quantitated against AR1660 0.25ppm in Ical


                                        PCB-Form 10 Mod.
```

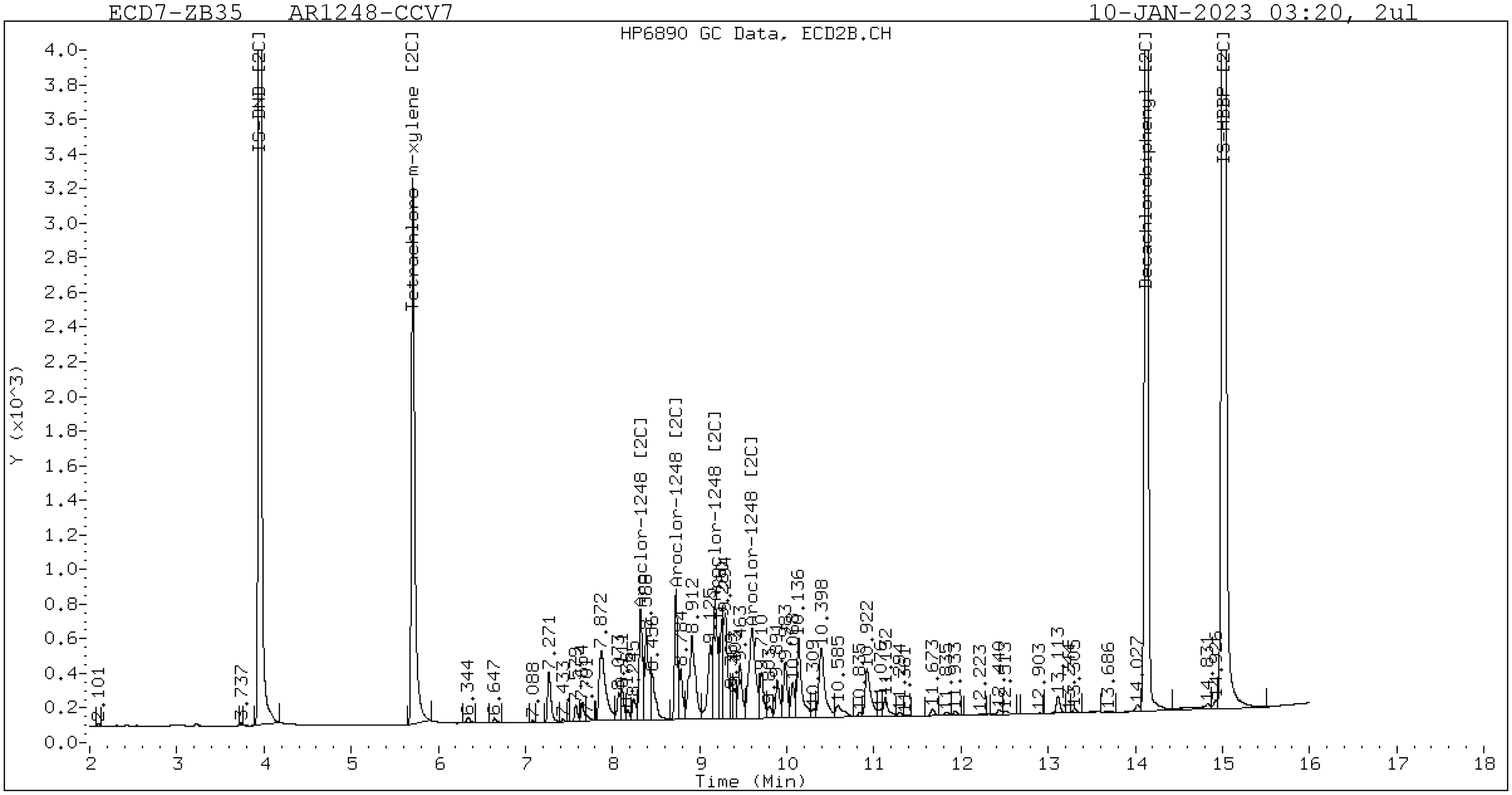
PCB Dual Column Chromatograms

ECD7-ZB5 AR1248-CCV7 10-JAN-2023 03:20, 2ul



ZB-5 Manual Integration: NO

ECD7-ZB35 AR1248-CCV7 10-JAN-2023 03:20, 2ul



ZB-35 Manual Integration: NO

CONTINUING CALIBRATION CHECK
EPA 8082A

Laboratory:	Analytical Resources, LLC	SDG:	22L0307
Client:	Anchor QEA, LLC	Project:	AOC4 UR Phase 3
Instrument ID:	ECD7	Calibration:	FL00010
Lab File ID:	01092354ECD7.D	Calibration Date:	12/03/2022
Sequence:	SLA0129	Injection Date:	01/10/23
Lab Sample ID:	SLA0129-CCV8	Injection Time:	03:41
Sequence Name:	AR1660CCV8		

		CONC. (ug/L)		RESPONSE FACTOR (RRF)			% DRIFT/DIFF	
COMPOUND	TYPE	STD	CCV	ICAL	CCV	MIN	CCV	LIMIT
Aroclor 1016	A	250.00	278	0.0441939	0.0488013		11.3	+/-20
Aroclor-1016 (1)	A	250.00	271	0.0266860	0.0289807		8.6	
Aroclor-1016 (2)	A	250.00	270	0.0861572	0.0930672		8.0	
Aroclor-1016 (3)	A	250.00	288	0.0390425	0.0449911		15.2	
Aroclor-1016 (4)	A	250.00	283	0.0248899	0.0281660		13.2	
Aroclor 1016 [2C]	A	250.00	257	0.0467310	0.0480505		2.9	+/-20
Aroclor-1016 (1) [2C]	A	250.00	255	0.0409030	0.0417235		2.0	
Aroclor-1016 (2) [2C]	A	250.00	258	0.0882154	0.0909288		3.1	
Aroclor-1016 (3) [2C]	A	250.00	256	0.0378846	0.0387699		2.3	
Aroclor-1016 (4) [2C]	A	250.00	261	0.0199212	0.0207800		4.3	
Aroclor 1260	A	250.00	261	0.0390342	0.0408497		4.4	+/-20
Aroclor-1260 (1)	A	250.00	254	0.0291201	0.0295930		1.6	
Aroclor-1260 (2)	A	250.00	263	0.0301181	0.0317062		5.3	
Aroclor-1260 (3)	A	250.00	266	0.0791351	0.0840808		6.2	
Aroclor-1260 (4)	A	250.00	257	0.0403003	0.0413585		2.6	
Aroclor-1260 (5)	A	250.00	265	0.0164974	0.0175097		6.1	
Aroclor 1260 [2C]	A	250.00	251	0.0617619	0.0626991		0.5	+/-20
Aroclor-1260 (1) [2C]	A	250.00	243	0.0422283	0.0410758		-2.7	
Aroclor-1260 (2) [2C]	A	250.00	257	0.1059643	0.1087793		2.7	
Aroclor-1260 (3) [2C]	A	250.00	246	0.0282173	0.0277408		-1.7	
Aroclor-1260 (4) [2C]	A	250.00	259	0.0706376	0.0732007		3.6	
Decachlorobiphenyl	A	40.000	39.4	0.7333327	0.7217319		-1.6	+/-20
Tetrachlorometaxylene	A	40.000	42.9	1.1336710	1.2144510		7.1	+/-20
Decachlorobiphenyl [2C]	A	40.000	41.5	1.1358180	1.1788580		3.8	+/-20
Tetrachlorometaxylene [2C]	A	40.000	40.7	1.0966080	1.1160920		1.8	+/-20

* Values outside of QC limits

* Values outside of QC limits

```
                               Analytical Resources Inc.
                          Dual Column 608/8082 PCB Quantitation Report

 Data file 1: /230109.b/01092354ECD7.D                  ARI ID: AR1660-CCV8
 Data file 2: /230109.b/230109.b/01092354ECD7.D         Client ID:
 Method: \\target\share\chem4\ecd7.i\230109.b\PCB.m      Injection Date: 10-JAN-2023 03:41
 Compound Sublist: AR1660.sub                              Report Date: 01/13/2023 16:17
 Instrument, Inj. Vol.: ecd7.i, 2ul                     Matrix: NONE
 Quant Method: Internal Std                             Dilution Factor:  1.0



                                  SURROGATES

        ZB5 Col         |       ZB35 Col         |   ZB5    ZB35
   RT    Shift Response | RT    Shift  Response  |  on col  on col    RPD   Compound/Flag
 ========================================================================================

  5.832 -0.004   293828 | 5.708  -0.005   190993|   42.9    40.7      5.1    Tetrachloro-m-xylene
 13.902 -0.006   412901 |14.127  -0.010   366556|   39.4    41.5      5.3    Decachlorobiphenyl


*  Indicates RPD > 40%




                             INTERNAL STANDARD SUMMARY

                                         Column 1
                                  Standard    Sample
                Standard Cpnd       Area*       Area      %D
            --------------------------------------------------
              Bromo-Nitrobenzene    447645      483886    8.1
              Hexabromobiphenyl     798898     1144195   43.2

                                         Column 2
                                  Standard    Sample
                Standard Cpnd       Area*       Area      %D
            --------------------------------------------------
              Bromo-Nitrobenzene    249094     342253    37.4
              Hexabromobiphenyl     362541     621883    71.5


             * Standard Areas taken from Initial Cal Level 3
               Initial Calibration Date: 03-DEC-2022
            <- Indicates standard response outside Limits (-50 to +100%)
```

```
                            ZB5 Col                               ZB35 Col
 Aroclor   Peak#    RT    Shift    Area    Amount    Peak#   RT     Shift    Area   Amount
 ========================================================================================
 Aroclor-1016 1   7.289  -0.005     43823   271.5      1    7.271  -0.004    44625   255.0
 Aroclor-1016 2   7.677  -0.007    140731   270.1      2    7.872   0.002    97252   257.7
 Aroclor-1016 3   7.812  -0.005     68033   288.1      3    8.071   0.001    41466   255.8
 Aroclor-1016 4   8.423  -0.006     42591   282.9      4    8.242   0.001    22225   260.8
       Total Col1Ave (4 peaks):   278.1       Total Col2Ave (4 peaks):   257.3   RPD = 8
       Corrected Ave (3 peaks):   274.8       Corrected Ave (3 peaks):   256.2   RPD = 7

 Aroclor-1260 1  11.059  -0.003    105813   254.1      1   11.663  -0.006    79826   243.2
 Aroclor-1260 2  11.374  -0.003    113369   263.2      2   11.927  -0.005   211400   256.6
 Aroclor-1260 3  11.748  -0.004    300640   265.6      3   12.444  -0.007    53911   245.8
 Aroclor-1260 4  12.153  -0.006    147882   256.6      4   12.511  -0.006   142257   259.1
 Aroclor-1260 5  12.256  -0.005     62608   265.3      NS    ---                     ----
       Total Col1Ave (5 peaks):   261.0       Total Col2Ave (4 peaks):   251.2   RPD = 4
       Corrected Ave (4 peaks):   259.8       Corrected Ave (3 peaks):   248.5   RPD = 4




 Total PCB Area Col1 (5.936 - 13.808) =    2941644     Col1 Total PCB = 0.6 ppm*

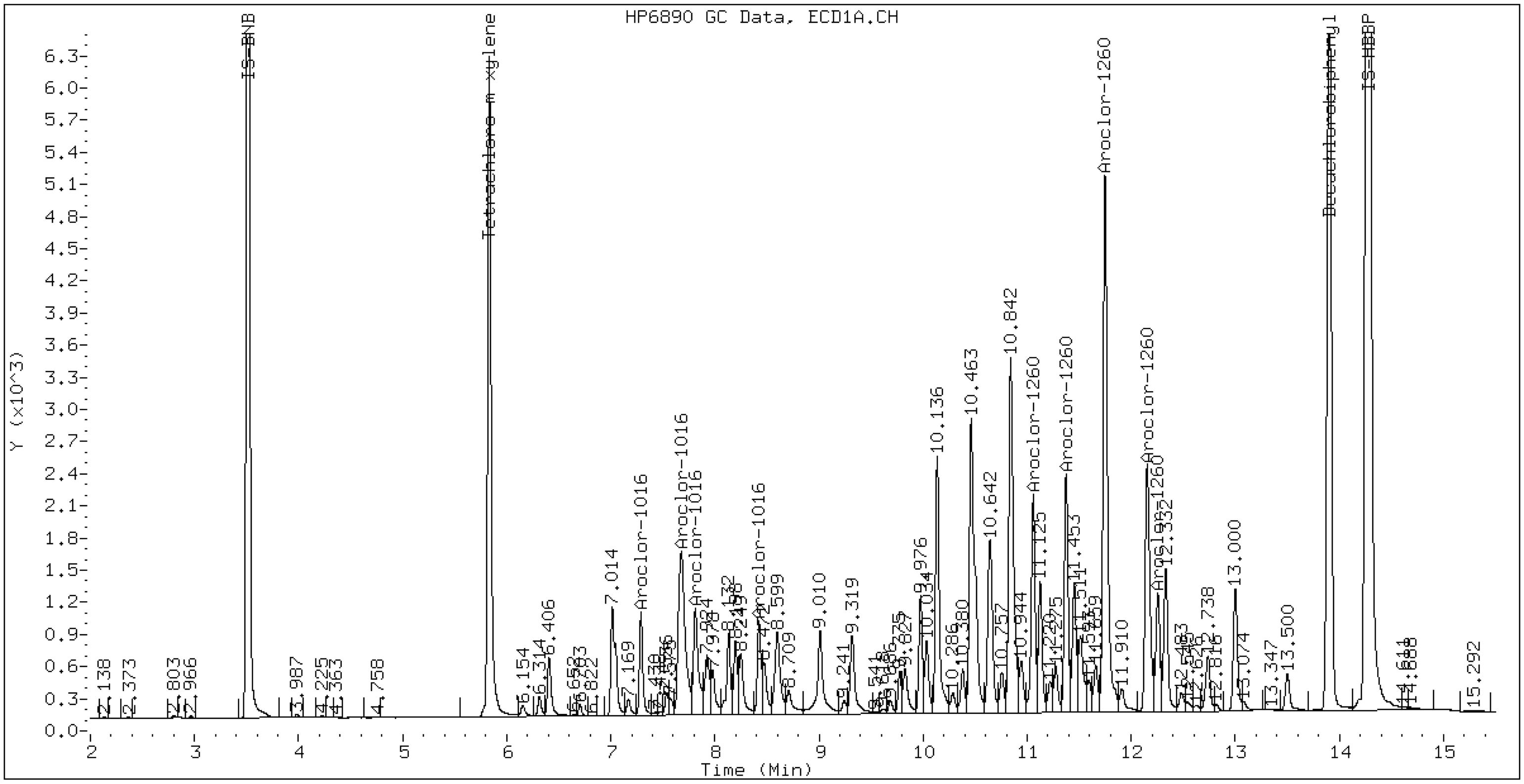
 Total PCB Area Col2 (5.813 - 14.037) =    1887814     Col2 Total PCB = 0.6 ppm*

   *  Quantitated against AR1660 0.25ppm in Ical

                                       PCB-Form 10 Mod.
```

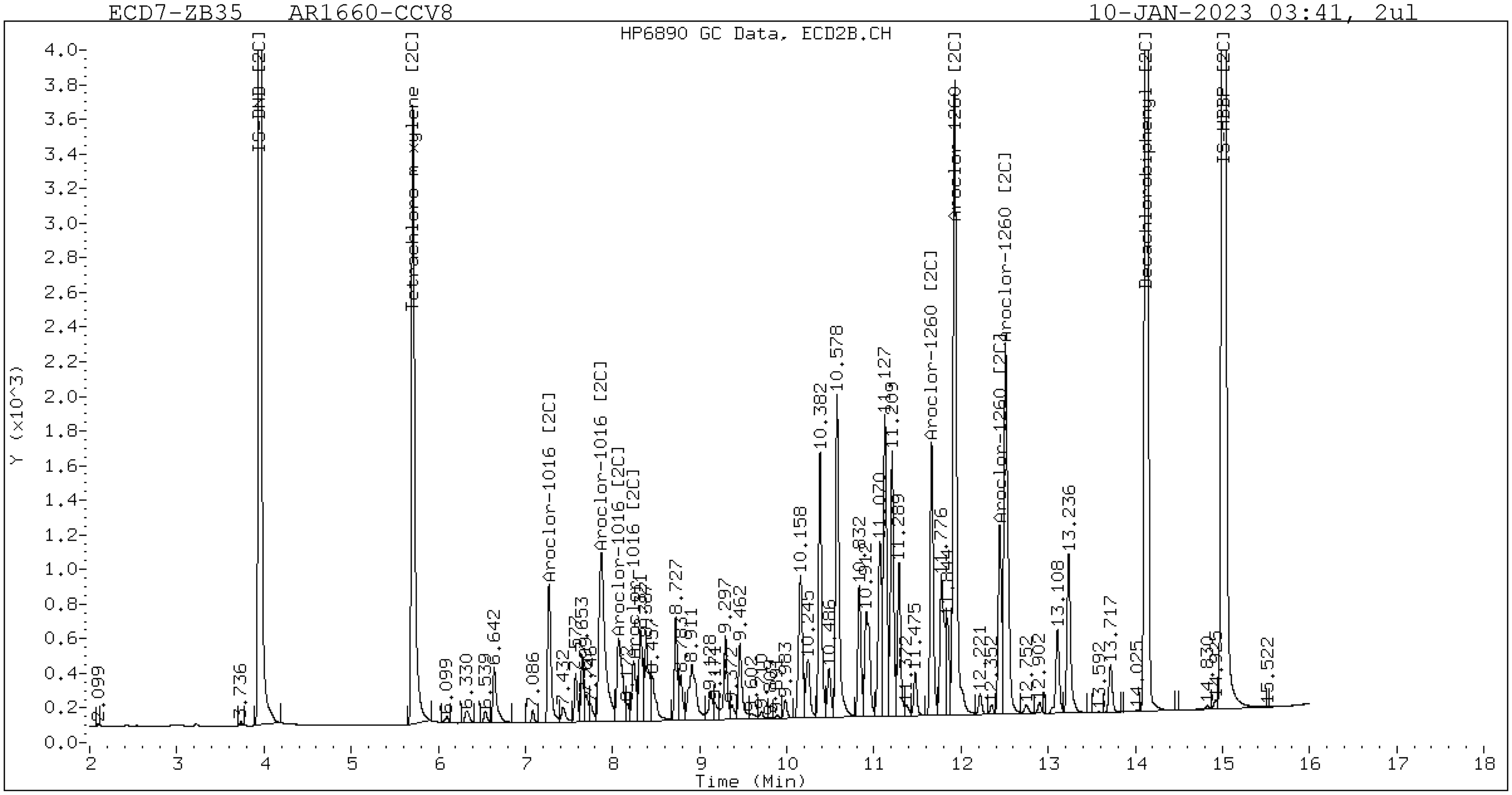
PCB Dual Column Chromatograms

ECD7-ZB5 AR1660-CCV8 10-JAN-2023 03:41, 2ul



ZB-5 Manual Integration: NO

ECD7-ZB35 AR1660-CCV8 10-JAN-2023 03:41, 2ul



ZB-35 Manual Integration: NO

CONTINUING CALIBRATION CHECK

EPA 8082A

Laboratory:	Analytical Resources, LLC	SDG:	22L0307
Client:	Anchor QEA, LLC	Project:	AOC4 UR Phase 3
Instrument ID:	ECD7	Calibration:	FL00010
Lab File ID:	01092369ECD7.D	Calibration Date:	12/03/2022
Sequence:	SLA0129	Injection Date:	01/10/23
Lab Sample ID:	SLA0129-CCV9	Injection Time:	08:57
Sequence Name:	AR1242CCV9		

		CONC. (ug/L)		RESPONSE FACTOR (RRF)			% DRIFT/DIFF	
COMPOUND	TYPE	STD	CCV	ICAL	CCV	MIN	CCV	LIMIT
Aroclor 1242	A	250.00	271	0.0396000	0.0428510		8.4	+/-20
Aroclor-1242 (1)	A	250.00	263		0.0238861			
Aroclor-1242 (2)	A	250.00	259		0.0745888			
Aroclor-1242 (3)	A	250.00	265		0.0219490			
Aroclor-1242 (4)	A	250.00	296		0.0509802			
Aroclor 1242 [2C]	A	250.00	254	0.0391981	0.0397522		1.6	+/-20
Aroclor-1242 (1) [2C]	A	250.00	250		0.0338520			
Aroclor-1242 (2) [2C]	A	250.00	253		0.0727359			
Aroclor-1242 (3) [2C]	A	250.00	255		0.0236657			
Aroclor-1242 (4) [2C]	A	250.00	258		0.0287553			
Decachlorobiphenyl	A	40.000	42.1	0.7333327	0.7718605		5.3	+/-20
Tetrachlorometaxylene	A	40.000	38.6	1.1336710	1.0926840		-3.6	+/-20
Decachlorobiphenyl [2C]	A	40.000	44.2	1.1358180	1.2547880		10.5	+/-20
Tetrachlorometaxylene [2C]	A	40.000	37.0	1.0966080	1.0132010		-7.6	+/-20

* Values outside of QC limits

* Values outside of QC limits

```
                                Analytical Resources Inc.
                           Dual Column 608/8082 PCB Quantitation Report

 Data file 1: /230109.b/01092369ECD7.D                        ARI ID: AR1242C-CCV9
 Data file 2: /230109.b/230109.b/01092369ECD7.D               Client ID:
 Method: \\target\share\chem4\ecd7.i\230109.b\PCB.m           Injection Date: 10-JAN-2023 08:57
 Compound Sublist: AR1242.sub                                    Report Date: 01/13/2023 16:04
 Instrument, Inj. Vol.: ecd7.i, 2ul                           Matrix: NONE
 Quant Method: Internal Std                                   Dilution Factor:  1.0



                                   SURROGATES

        ZB5 Col          |        ZB35 Col          |   ZB5    ZB35
   RT    Shift Response | RT    Shift  Response   |  on col  on col    RPD   Compound/Flag
 ============================================================================================

  5.831 -0.005   240710 | 5.707  -0.007   160374|   38.6    37.0      4.2    Tetrachloro-m-xylene
 13.902 -0.006   209454 |14.127  -0.010   225678|   42.1    44.2      4.8    Decachlorobiphenyl


*  Indicates RPD > 40%




                              INTERNAL STANDARD SUMMARY

                                          Column 1
                                   Standard    Sample
                   Standard Cpnd       Area*       Area      %D
               --------------------------------------------------
                 Bromo-Nitrobenzene    447645      440585   -1.6
                 Hexabromobiphenyl     798898      542725  -32.1

                                          Column 2
                                   Standard    Sample
                   Standard Cpnd       Area*       Area      %D
               --------------------------------------------------
                 Bromo-Nitrobenzene    249094     316569    27.1
                 Hexabromobiphenyl     362541     359707    -0.8


                * Standard Areas taken from Initial Cal Level 3
                  Initial Calibration Date: 03-DEC-2022
               <- Indicates standard response outside Limits (-50 to +100%)
```

```
                           ZB5 Col                               ZB35 Col
 Aroclor   Peak#    RT    Shift    Area    Amount    Peak#   RT     Shift    Area   Amount
 =========================================================================================
 Aroclor-1242 1   7.289  -0.006     32887   263.3      1    7.270  -0.007    33489   250.0
 Aroclor-1242 2   7.678  -0.007    102696   259.0      2    7.871  -0.003    71956   253.0
 Aroclor-1242 3   8.424  -0.006     30220   264.9      3    9.174  -0.004    23412   255.1
 Aroclor-1242 4   9.021  -0.010     70191   296.3      4    9.602  -0.004    28447   257.9
       Total Col1Ave (4 peaks):   270.9       Total Col2Ave (4 peaks):   254.0   RPD = 6
       Corrected Ave (3 peaks):   262.4       Corrected Ave (3 peaks):   252.7   RPD = 4




 Total PCB Area Col1 (5.936 - 13.808) =     825477     Col1 Total PCB = 0.2 ppm*

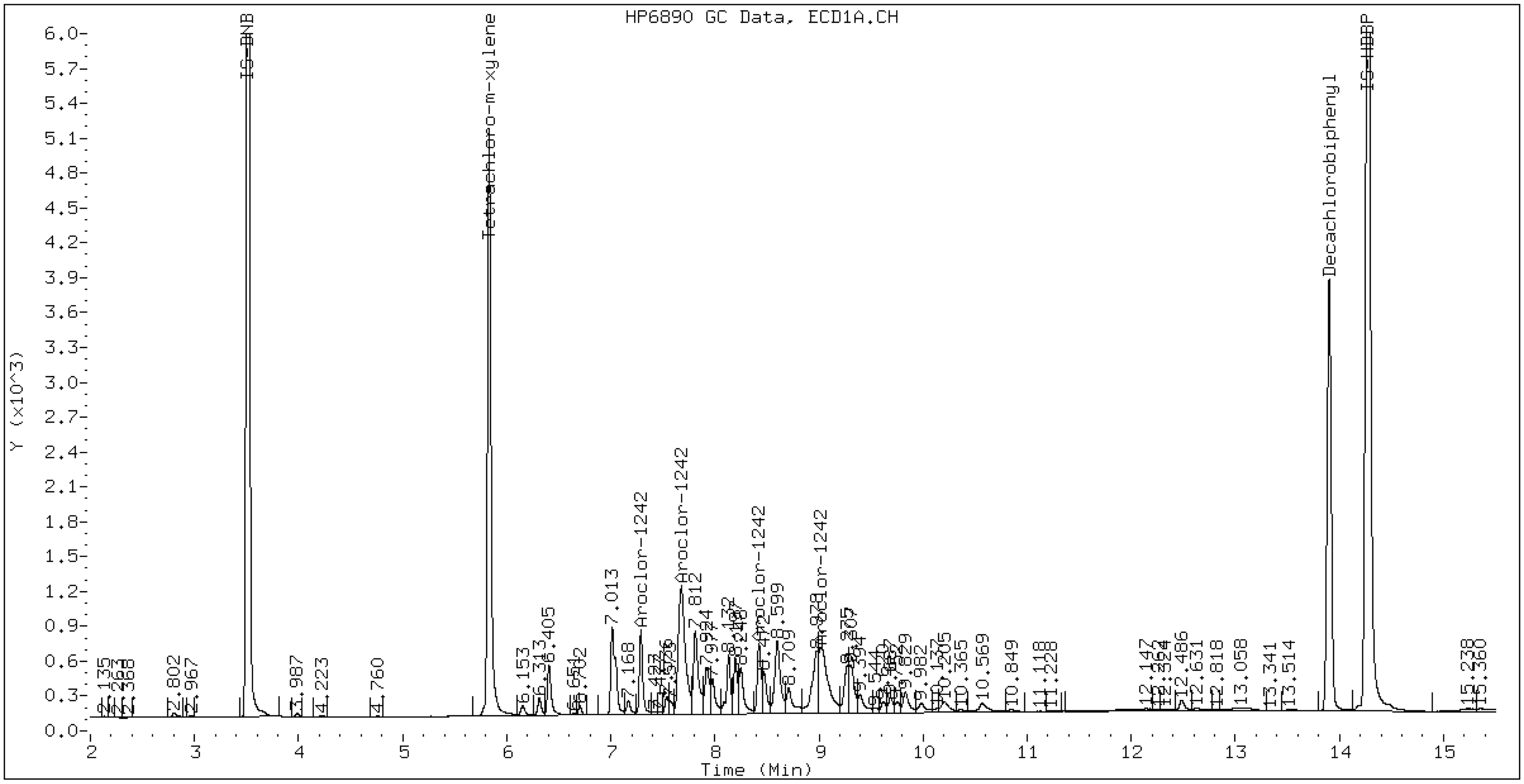
 Total PCB Area Col2 (5.813 - 14.037) =     516487     Col2 Total PCB = 0.2 ppm*

   *  Quantitated against AR1660 0.25ppm in Ical

                                        PCB-Form 10 Mod.
```

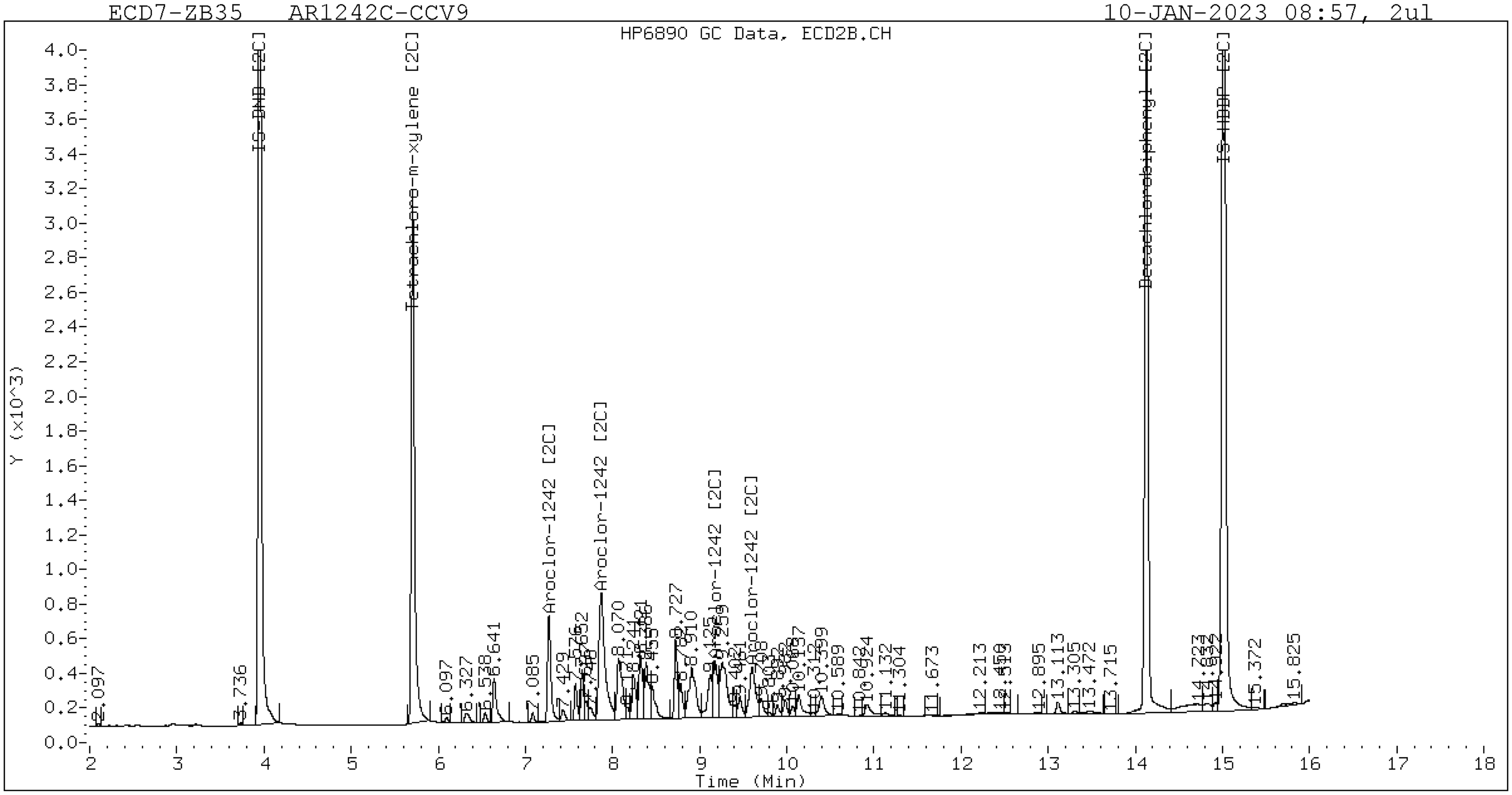
PCB Dual Column Chromatograms

ECD7-ZB5 AR1242C-CCV9 10-JAN-2023 08:57, 2ul



ZB-5 Manual Integration: NO

ECD7-ZB35 AR1242C-CCV9 10-JAN-2023 08:57, 2ul



ZB-35 Manual Integration: NO

CONTINUING CALIBRATION CHECK
EPA 8082A

Laboratory:	Analytical Resources, LLC	SDG:	22L0307
Client:	Anchor QEA, LLC	Project:	AOC4 UR Phase 3
Instrument ID:	ECD7	Calibration:	FL00010
Lab File ID:	01092370ECD7.D	Calibration Date:	12/03/2022
Sequence:	SLA0129	Injection Date:	01/10/23
Lab Sample ID:	SLA0129-CCVA	Injection Time:	09:18
Sequence Name:	AR1660CCVA		

COMPOUND	TYPE	CONC. (ug/L)		RESPONSE FACTOR (RRF)			% DRIFT/DIFF	
		STD	CCV	ICAL	CCV	MIN	CCV	LIMIT
Aroclor 1016	A	250.00	271	0.0441939	0.0476063		8.3	+/-20
Aroclor-1016 (1)	A	250.00	265	0.0266860	0.0282598		5.9	
Aroclor-1016 (2)	A	250.00	265	0.0861572	0.0912079		5.9	
Aroclor-1016 (3)	A	250.00	280	0.0390425	0.0437233		12.0	
Aroclor-1016 (4)	A	250.00	274	0.0248899	0.0272344		9.4	
Aroclor 1016 [2C]	A	250.00	247	0.0467310	0.0460658		-1.3	+/-20
Aroclor-1016 (1) [2C]	A	250.00	244	0.0409030	0.0399823		-2.3	
Aroclor-1016 (2) [2C]	A	250.00	247	0.0882154	0.0873174		-1.0	
Aroclor-1016 (3) [2C]	A	250.00	244	0.0378846	0.0369359		-2.5	
Aroclor-1016 (4) [2C]	A	250.00	251	0.0199212	0.0200276		0.5	
Aroclor 1260	A	250.00	297	0.0390342	0.0460176		18.6	+/-20
Aroclor-1260 (1)	A	250.00	302	0.0291201	0.0352213		21.0	
Aroclor-1260 (2)	A	250.00	301	0.0301181	0.0362151		20.2	
Aroclor-1260 (3)	A	250.00	288	0.0791351	0.0912163		15.3	
Aroclor-1260 (4)	A	250.00	298	0.0403003	0.0481030		19.4	
Aroclor-1260 (5)	A	250.00	293	0.0164974	0.0193322		17.2	
Aroclor 1260 [2C]	A	250.00	296	0.0617619	0.0735362		18.5	+/-20
Aroclor-1260 (1) [2C]	A	250.00	286	0.0422283	0.0482252		14.2	
Aroclor-1260 (2) [2C]	A	250.00	299	0.1059643	0.1265778		19.5	
Aroclor-1260 (3) [2C]	A	250.00	298	0.0282173	0.0336099		19.1	
Aroclor-1260 (4) [2C]	A	250.00	303	0.0706376	0.0857319		21.4	
Decachlorobiphenyl	A	40.000	43.7	0.7333327	0.8013265		9.3	+/-20
Tetrachlorometaxylene	A	40.000	41.4	1.1336710	1.1745290		3.6	+/-20
Decachlorobiphenyl [2C]	A	40.000	41.4	1.1358180	1.1766330		3.6	+/-20
Tetrachlorometaxylene [2C]	A	40.000	40.1	1.0966080	1.0999530		0.3	+/-20

* Values outside of QC limits

* Values outside of QC limits

```
                              Analytical Resources Inc.
                         Dual Column 608/8082 PCB Quantitation Report

 Data file 1: /230109.b/01092370ECD7.D                        ARI ID: AR1660-CCVA
 Data file 2: /230109.b/230109.b/01092370ECD7.D               Client ID:
 Method: \\target\share\chem4\ecd7.i\230109.b\PCB.m           Injection Date: 10-JAN-2023 09:18
 Compound Sublist: AR1660.sub                                    Report Date: 01/13/2023 16:04
 Instrument, Inj. Vol.: ecd7.i, 2ul                           Matrix: NONE
 Quant Method: Internal Std                                   Dilution Factor:  1.0



                                 SURROGATES

       ZB5 Col          |       ZB35 Col         |   ZB5    ZB35
   RT    Shift Response | RT    Shift  Response  |  on col  on col    RPD   Compound/Flag
 ============================================================================================

  5.831 -0.005   254006 | 5.707  -0.006   171233|   41.4    40.1      3.2    Tetrachloro-m-xylene
 13.902 -0.006   247442 |14.127  -0.010   228614|   43.7    41.4      5.3    Decachlorobiphenyl


*  Indicates RPD > 40%



                            INTERNAL STANDARD SUMMARY

                                        Column 1
                                 Standard    Sample
                  Standard Cpnd       Area*       Area      %D
               --------------------------------------------------
                 Bromo-Nitrobenzene    447645      432524   -3.4
                 Hexabromobiphenyl     798898      617581  -22.7

                                        Column 2
                                 Standard    Sample
                  Standard Cpnd       Area*       Area      %D
               --------------------------------------------------
                 Bromo-Nitrobenzene    249094     311346    25.0
                 Hexabromobiphenyl     362541     388590     7.2


                * Standard Areas taken from Initial Cal Level 3
                  Initial Calibration Date: 03-DEC-2022
               <- Indicates standard response outside Limits (-50 to +100%)
```

```
//target/share/chem4/ecd7.i/230109.b/01092370ECD7.D      AR1660-CCVA                    page 2
                            ZB5 Col                                ZB35 Col
 Aroclor    Peak#    RT    Shift    Area    Amount    Peak#   RT     Shift    Area   Amount
 ==========================================================================================
 Aroclor-1016 1   7.289  -0.006     38197   264.7      1    7.270  -0.005    38901   244.4
 Aroclor-1016 2   7.677  -0.008    123280   264.7      2    7.871   0.000    84956   247.5
 Aroclor-1016 3   7.811  -0.007     59098   280.0      3    8.069  -0.001    35937   243.7
 Aroclor-1016 4   8.422  -0.007     36811   273.5      4    8.240  -0.001    19486   251.3
       Total Col1Ave (4 peaks):   270.7       Total Col2Ave (4 peaks):   246.7   RPD = 9
       Corrected Ave (3 peaks):   267.6       Corrected Ave (3 peaks):   245.2   RPD = 9

 Aroclor-1260 1  11.056  -0.006     67975   302.4      1   11.662  -0.007    58562   285.5
 Aroclor-1260 2  11.373  -0.005     69893   300.6      2   11.925  -0.007   153709   298.6
 Aroclor-1260 3  11.746  -0.006    176042   288.2      3   12.443  -0.008    40814   297.8
 Aroclor-1260 4  12.150  -0.008     92836   298.4      4   12.509  -0.007   104108   303.4
 Aroclor-1260 5  12.255  -0.007     37310   293.0      NS    ---                      ----
       Total Col1Ave (5 peaks):   296.5       Total Col2Ave (4 peaks):   296.3   RPD = 0
       Corrected Ave (4 peaks):   295.0       Corrected Ave (3 peaks):   294.0   RPD = 0




 Total PCB Area Col1 (5.936 - 13.808) =    2031481     Col1 Total PCB = 0.5 ppm*

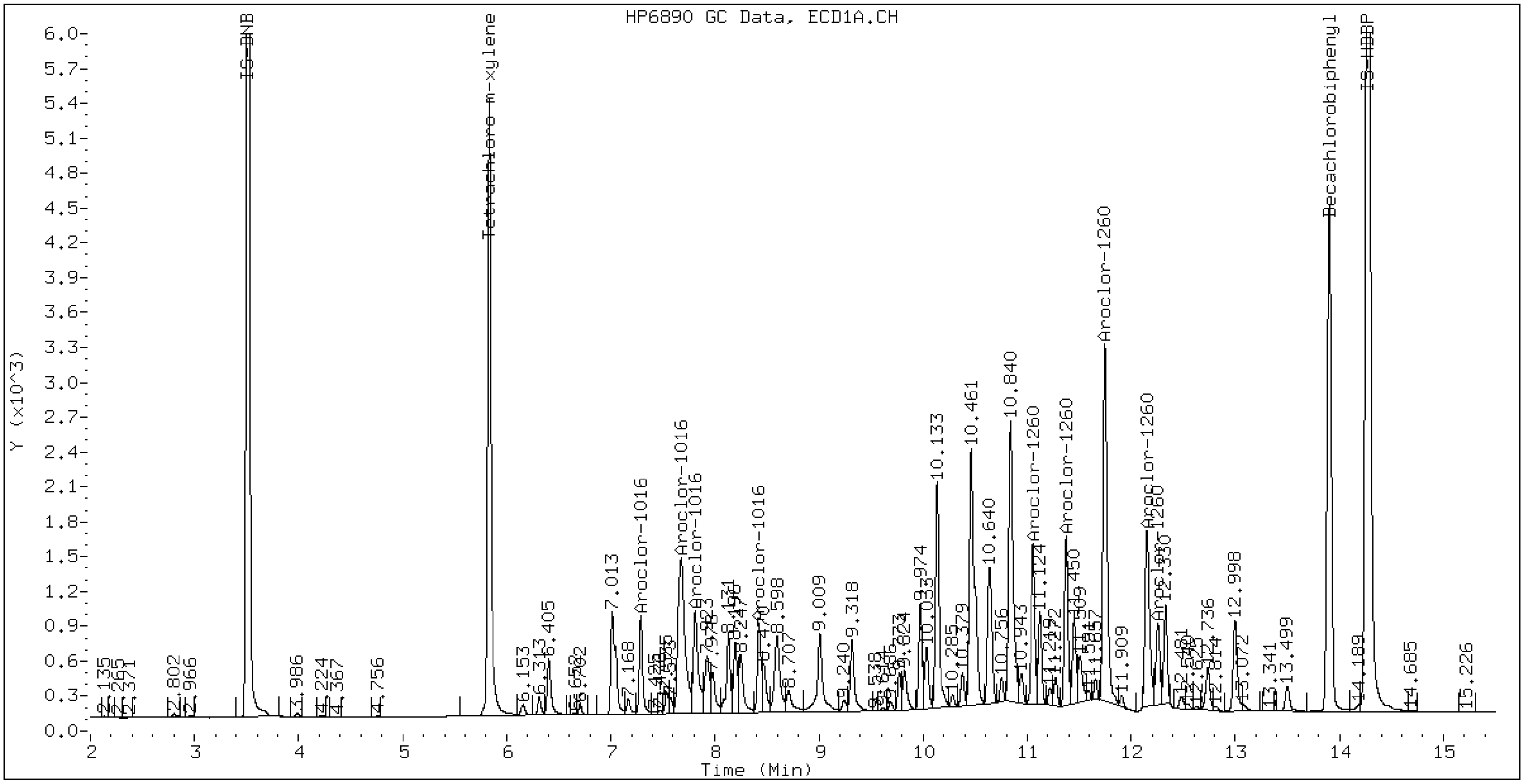
 Total PCB Area Col2 (5.813 - 14.037) =    1491569     Col2 Total PCB = 0.5 ppm*


   *  Quantitated against AR1660 0.25ppm in Ical


                                       PCB-Form 10 Mod.
```

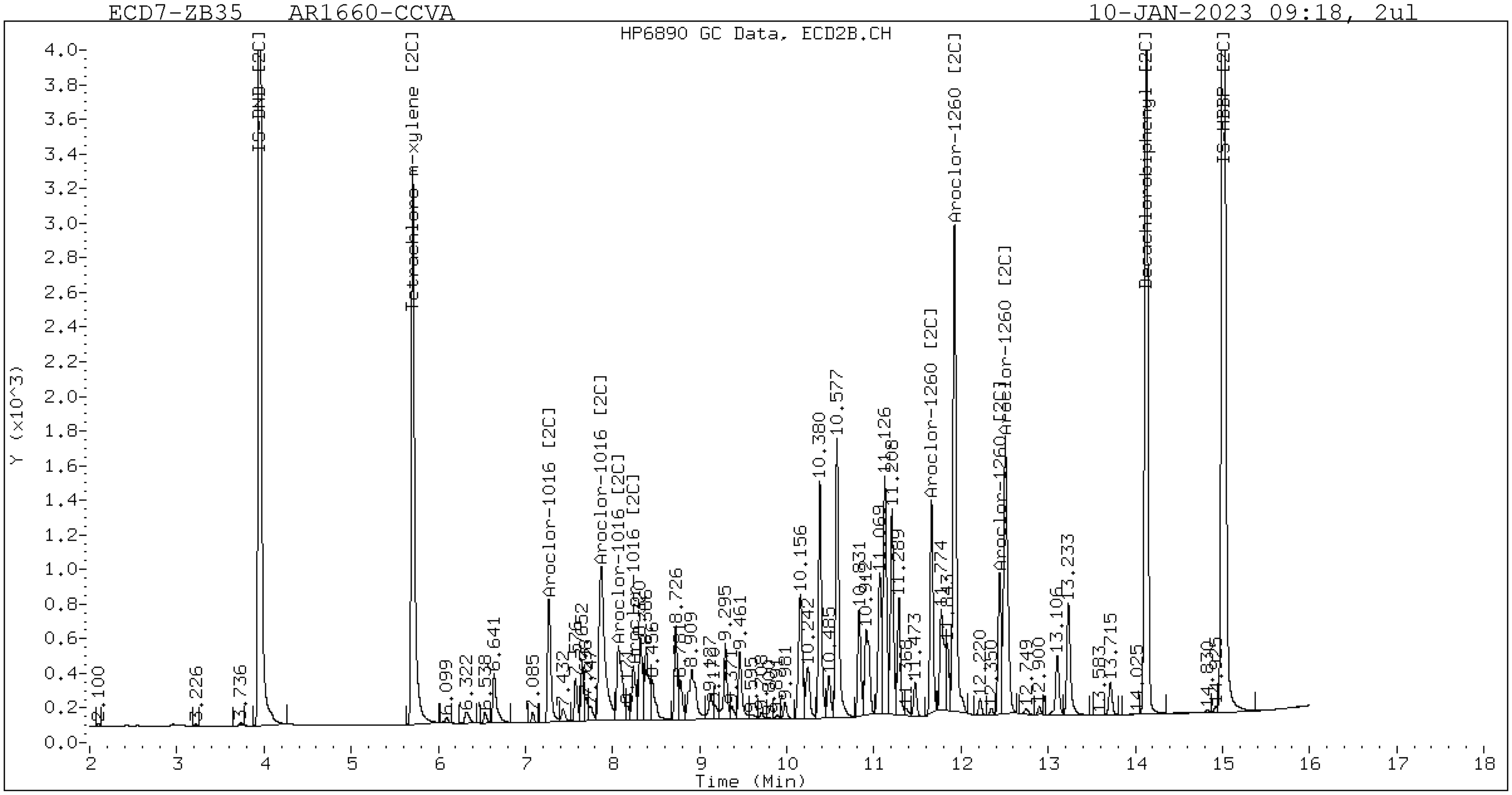
PCB Dual Column Chromatograms

ECD7-ZB5 AR1660-CCVA 10-JAN-2023 09:18, 2ul



ZB-5 Manual Integration: NO

ECD7-ZB35 AR1660-CCVA 10-JAN-2023 09:18, 2ul



ZB-35 Manual Integration: NO

CONTINUING CALIBRATION CHECK

EPA 8082A

Laboratory:	Analytical Resources, LLC	SDG:	22L0307
Client:	Anchor QEA, LLC	Project:	AOC4 UR Phase 3
Instrument ID:	ECD7	Calibration:	FL00010
Lab File ID:	01092383ECD7.D	Calibration Date:	12/03/2022
Sequence:	SLA0129	Injection Date:	01/10/23
Lab Sample ID:	SLA0129-CCVB	Injection Time:	13:52
Sequence Name:	AR1254CCVB		

		CONC. (ug/L)		RESPONSE FACTOR (RRF)			% DRIFT/DIFF	
COMPOUND	TYPE	STD	CCV	ICAL	CCV	MIN	CCV	LIMIT
Aroclor 1242	A	250.00	273	0.0396000	0.0427404		9.1	+/-20
Aroclor-1242 (1)	A	250.00	274		0.0248409			
Aroclor-1242 (2)	A	250.00	268		0.0771950			
Aroclor-1242 (3)	A	250.00	286		0.0237132			
Aroclor-1242 (4)	A	250.00	263		0.0452127			
Aroclor 1242 [2C]	A	250.00	275	0.0391981	0.0426220		10.0	+/-20
Aroclor-1242 (1) [2C]	A	250.00	261		0.0353722			
Aroclor-1242 (2) [2C]	A	250.00	267		0.0766502			
Aroclor-1242 (3) [2C]	A	250.00	285		0.0264448			
Aroclor-1242 (4) [2C]	A	250.00	287		0.0320209			
Decachlorobiphenyl	A	40.000	38.9	0.7333327	0.7136538		-2.7	+/-20
Tetrachlorometaxylene	A	40.000	39.6	1.1336710	1.1213250		-1.1	+/-20
Decachlorobiphenyl [2C]	A	40.000	42.9	1.1358180	1.2195290		7.4	+/-20
Tetrachlorometaxylene [2C]	A	40.000	38.3	1.0966080	1.0504100		-4.2	+/-20

* Values outside of QC limits

* Values outside of QC limits

```
                              Analytical Resources Inc.
                         Dual Column 608/8082 PCB Quantitation Report

Data file 1: /230109.b/01092383ECD7.D                   ARI ID: AR1242-CCVB
Data file 2: /230109.b/230109.b/01092383ECD7.D          Client ID:
Method: \\target\share\chem4\ecd7.i\230109.b\PCB.m      Injection Date: 10-JAN-2023 13:52
Compound Sublist: AR1242.sub                               Report Date: 01/13/2023 16:04
Instrument, Inj. Vol.: ecd7.i, 2ul                      Matrix: NONE
Quant Method: Internal Std                              Dilution Factor:  1.0



                                 SURROGATES

       ZB5 Col         |       ZB35 Col         |   ZB5    ZB35
  RT    Shift Response | RT    Shift  Response  |  on col  on col    RPD   Compound/Flag
=========================================================================================

 5.831 -0.005   249622 | 5.707  -0.006   165741|   39.6    38.3      3.2    Tetrachloro-m-xylene
13.902 -0.006   350009 |14.127  -0.010   300617|   38.9    42.9      9.8    Decachlorobiphenyl


*  Indicates RPD > 40%



                            INTERNAL STANDARD SUMMARY

                                        Column 1
                                 Standard    Sample
               Standard Cpnd       Area*       Area      %D
           --------------------------------------------------
             Bromo-Nitrobenzene    447645      445227   -0.5
             Hexabromobiphenyl     798898      980893   22.8

                                        Column 2
                                 Standard    Sample
               Standard Cpnd       Area*       Area      %D
           --------------------------------------------------
             Bromo-Nitrobenzene    249094     315574    26.7
             Hexabromobiphenyl     362541     493005    36.0


            * Standard Areas taken from Initial Cal Level 3
              Initial Calibration Date: 03-DEC-2022
           <- Indicates standard response outside Limits (-50 to +100%)
```

```
                              ZB5 Col                                ZB35 Col
 Aroclor   Peak#    RT    Shift    Area    Amount    Peak#   RT     Shift    Area   Amount
 ==========================================================================================
 Aroclor-1242 1   7.289  -0.006     34562   273.9      1    7.270  -0.007    34883   261.2
 Aroclor-1242 2   7.681  -0.004    107404   268.1      2    7.872  -0.002    75590   266.6
 Aroclor-1242 3   8.424  -0.006     32993   286.2      3    9.177  -0.001    26079   285.1
 Aroclor-1242 4   9.016  -0.015     62906   262.8      4    9.607   0.002    31578   287.2
       Total Col1Ave (4 peaks):   272.7       Total Col2Ave (4 peaks):   275.0   RPD = 1
       Corrected Ave (3 peaks):   268.2       Corrected Ave (3 peaks):   271.0   RPD = 1




 Total PCB Area Col1 (5.936 - 13.808) =     887772     Col1 Total PCB = 0.2 ppm*

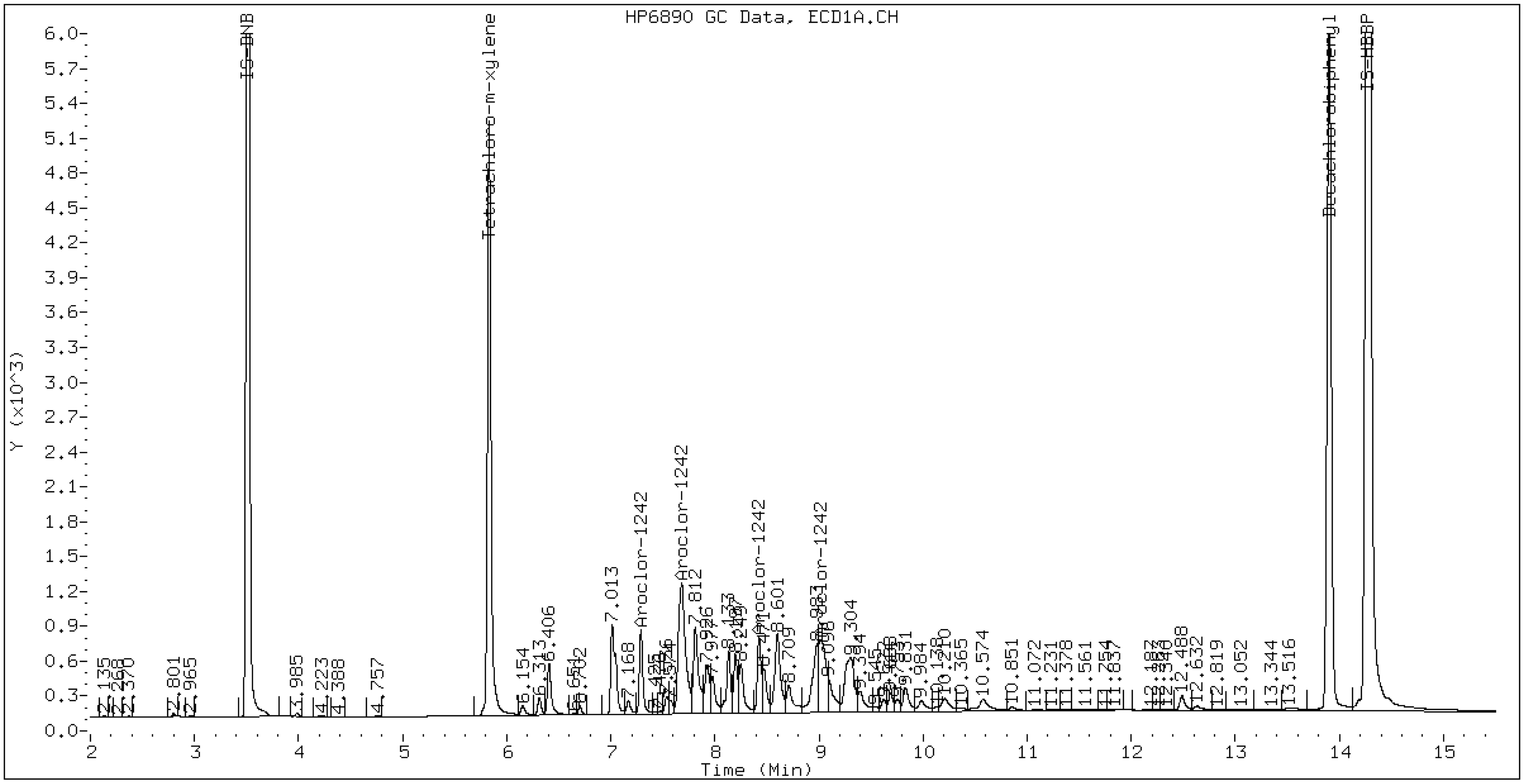
 Total PCB Area Col2 (5.813 - 14.037) =     561945     Col2 Total PCB = 0.2 ppm*

   *  Quantitated against AR1660 0.25ppm in Ical

                                        PCB-Form 10 Mod.
```

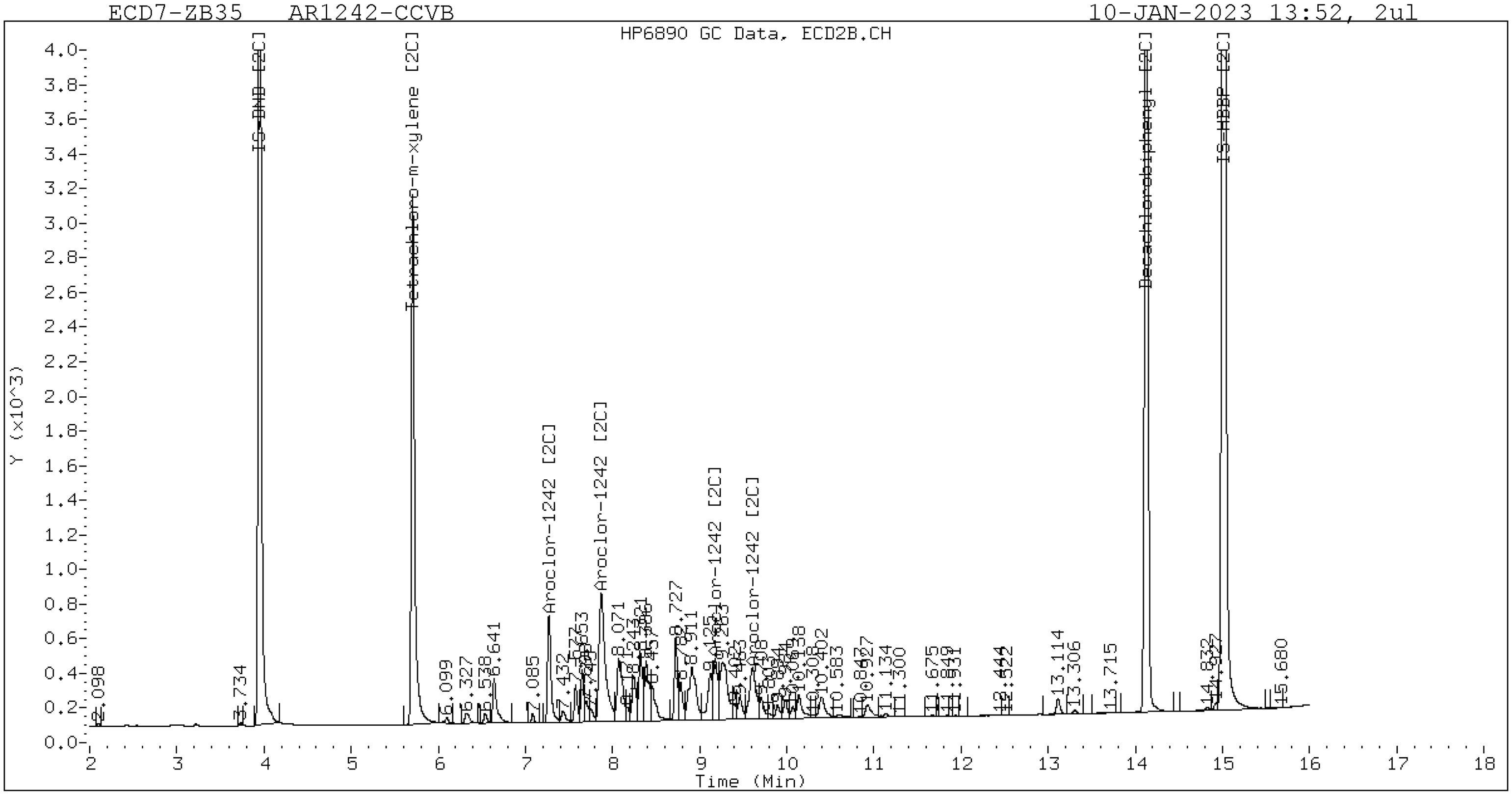
PCB Dual Column Chromatograms

ECD7-ZB5 AR1242-CCVB 10-JAN-2023 13:52, 2ul



ZB-5 Manual Integration: YES

ECD7-ZB35 AR1242-CCVB 10-JAN-2023 13:52, 2ul

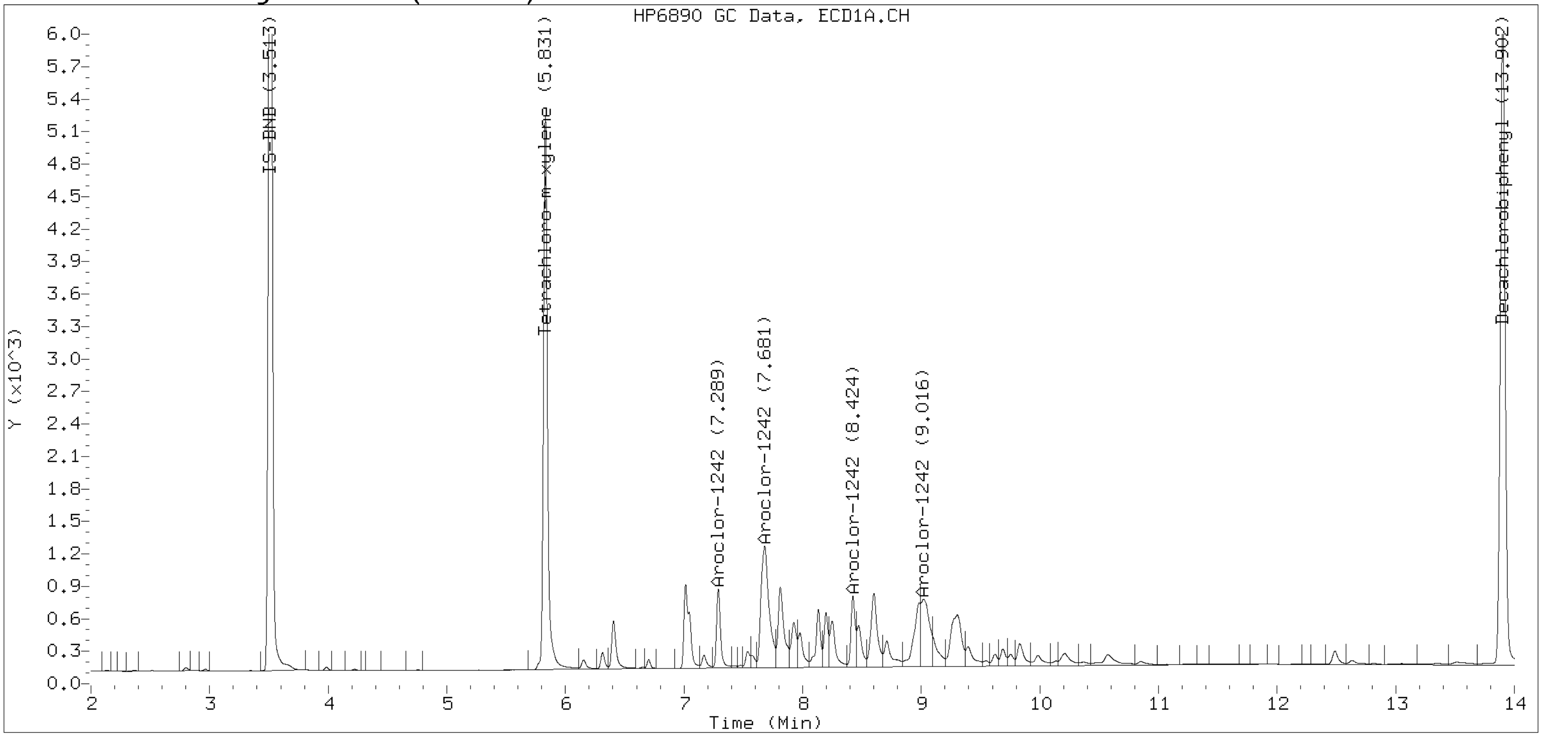


ZB-35 Manual Integration: NO

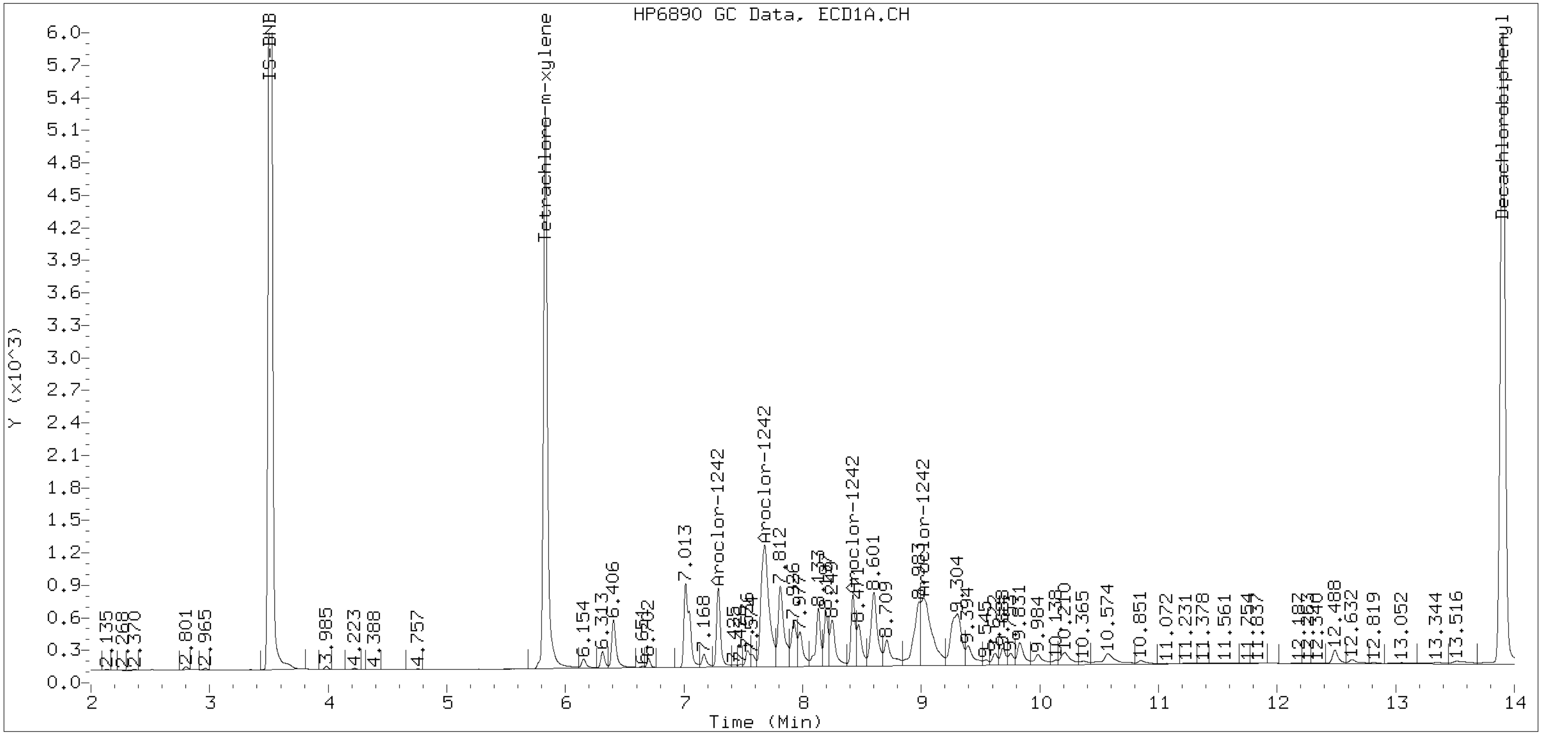
Manual Peak Adjustment, ZB-5

Datafile: ecd7.i/230109.b/01092383ECD7.D   Injection Date: 10-JAN-2023 13:52

Manual Integration (After)



Processed Integration (Before)



CONTINUING CALIBRATION CHECK

EPA 8082A

Laboratory: Analytical Resources, LLC
SDG: 22L0307
Client: Anchor QEA, LLC
Project: AOC4 UR Phase 3
Instrument ID: ECD7
Calibration: FL00010
Lab File ID: 01092384ECD7.D
Calibration Date: 12/03/2022
Sequence: SLA0129
Injection Date: 01/10/23
Lab Sample ID: SLA0129-CCVC
Injection Time: 14:13
Sequence Name: AR1660CCVC

COMPOUND	TYPE	CONC. (ug/L)		RESPONSE FACTOR (RRF)			% DRIFT/DIFF	
		STD	CCV	ICAL	CCV	MIN	CCV	LIMIT
Aroclor 1016	A	250.00	274	0.0441939	0.0480882		9.8	+/-20
Aroclor-1016 (1)	A	250.00	267	0.0266860	0.0284921		6.8	
Aroclor-1016 (2)	A	250.00	265	0.0861572	0.0913451		6.0	
Aroclor-1016 (3)	A	250.00	286	0.0390425	0.0446140		14.3	
Aroclor-1016 (4)	A	250.00	280	0.0248899	0.0279014		12.1	
Aroclor 1016 [2C]	A	250.00	253	0.0467310	0.0471526		1.1	+/-20
Aroclor-1016 (1) [2C]	A	250.00	249	0.0409030	0.0406608		-0.6	
Aroclor-1016 (2) [2C]	A	250.00	253	0.0882154	0.0892109		1.1	
Aroclor-1016 (3) [2C]	A	250.00	252	0.0378846	0.0381792		0.8	
Aroclor-1016 (4) [2C]	A	250.00	258	0.0199212	0.0205596		3.2	
Aroclor 1260	A	250.00	277	0.0390342	0.0432665		10.7	+/-20
Aroclor-1260 (1)	A	250.00	278	0.0291201	0.0323572		11.1	
Aroclor-1260 (2)	A	250.00	282	0.0301181	0.0340238		13.0	
Aroclor-1260 (3)	A	250.00	280	0.0791351	0.0885721		11.9	
Aroclor-1260 (4)	A	250.00	268	0.0403003	0.0431336		7.0	
Aroclor-1260 (5)	A	250.00	276	0.0164974	0.0182458		10.6	
Aroclor 1260 [2C]	A	250.00	277	0.0617619	0.0691789		10.9	+/-20
Aroclor-1260 (1) [2C]	A	250.00	273	0.0422283	0.0461344		9.2	
Aroclor-1260 (2) [2C]	A	250.00	285	0.1059643	0.1207500		14.0	
Aroclor-1260 (3) [2C]	A	250.00	270	0.0282173	0.0304883		8.0	
Aroclor-1260 (4) [2C]	A	250.00	281	0.0706376	0.0793428		12.3	
Decachlorobiphenyl	A	40.000	40.2	0.7333327	0.7368751		0.5	+/-20
Tetrachlorometaxylene	A	40.000	41.0	1.1336710	1.1632170		2.6	+/-20
Decachlorobiphenyl [2C]	A	40.000	42.4	1.1358180	1.2051800		6.1	+/-20
Tetrachlorometaxylene [2C]	A	40.000	40.0	1.0966080	1.0966040		-0.0003	+/-20

* Values outside of QC limits

```
                              Analytical Resources Inc.
                         Dual Column 608/8082 PCB Quantitation Report

Data file 1: /230109.b/01092384ECD7.D                        ARI ID: AR1660-CCVC
Data file 2: /230109.b/230109.b/01092384ECD7.D               Client ID:
Method: \\target\share\chem4\ecd7.i\230109.b\PCB.m           Injection Date: 10-JAN-2023 14:13
Compound Sublist: AR1660.sub                                    Report Date: 01/13/2023 16:04
Instrument, Inj. Vol.: ecd7.i, 2ul                           Matrix: NONE
Quant Method: Internal Std                                   Dilution Factor:  1.0



                                 SURROGATES

       ZB5 Col         |       ZB35 Col         |   ZB5    ZB35
  RT    Shift Response | RT    Shift  Response  |  on col  on col    RPD   Compound/Flag
==========================================================================================

 5.830 -0.006   262769 | 5.707  -0.006   174206|   41.0    40.0      2.6    Tetrachloro-m-xylene
13.903 -0.005   349970 |14.127  -0.010   301985|   40.2    42.4      5.4    Decachlorobiphenyl


*  Indicates RPD > 40%



                        INTERNAL STANDARD SUMMARY

                                    Column 1
                             Standard    Sample
                   Standard Cpnd       Area*       Area      %D
              --------------------------------------------------
                Bromo-Nitrobenzene    447645      451797    0.9
                Hexabromobiphenyl     798898      949876   18.9

                                    Column 2
                             Standard    Sample
                   Standard Cpnd       Area*       Area      %D
              --------------------------------------------------
                Bromo-Nitrobenzene    249094     317719    27.5
                Hexabromobiphenyl     362541     501145    38.2


               * Standard Areas taken from Initial Cal Level 3
                 Initial Calibration Date: 03-DEC-2022
              <- Indicates standard response outside Limits (-50 to +100%)
```

```
//target/share/chem4/ecd7.i/230109.b/01092384ECD7.D      AR1660-CCVC                   page 2
                            ZB5 Col                         ZB35 Col
 Aroclor    Peak#    RT    Shift    Area    Amount    Peak#   RT     Shift    Area   Amount
 ========================================================================================
 Aroclor-1016 1   7.289  -0.005     40227   266.9      1    7.270  -0.005    40371   248.5
 Aroclor-1016 2   7.678  -0.007    128967   265.1      2    7.871   0.000    88575   252.8
 Aroclor-1016 3   7.812  -0.006     62989   285.7      3    8.070   0.000    37907   251.9
 Aroclor-1016 4   8.422  -0.007     39393   280.2      4    8.241   0.000    20413   258.0
       Total Col1Ave (4 peaks):   274.5       Total Col2Ave (4 peaks):   252.8   RPD = 8
       Corrected Ave (3 peaks):   270.7       Corrected Ave (3 peaks):   251.1   RPD = 8

 Aroclor-1260 1  11.056  -0.006     96048   277.8      1   11.663  -0.007    72250   273.1
 Aroclor-1260 2  11.373  -0.004    100995   282.4      2   11.926  -0.006   189104   284.9
 Aroclor-1260 3  11.746  -0.005    262914   279.8      3   12.444  -0.007    47747   270.1
 Aroclor-1260 4  12.150  -0.008    128036   267.6      4   12.509  -0.007   124257   280.8
 Aroclor-1260 5  12.256  -0.006     54160   276.5      NS    ---                     ----
       Total Col1Ave (5 peaks):   276.8       Total Col2Ave (4 peaks):   277.2   RPD = 0
       Corrected Ave (4 peaks):   275.4       Corrected Ave (3 peaks):   274.7   RPD = 0




 Total PCB Area Col1 (5.936 - 13.808) =    2671793     Col1 Total PCB = 0.6 ppm*

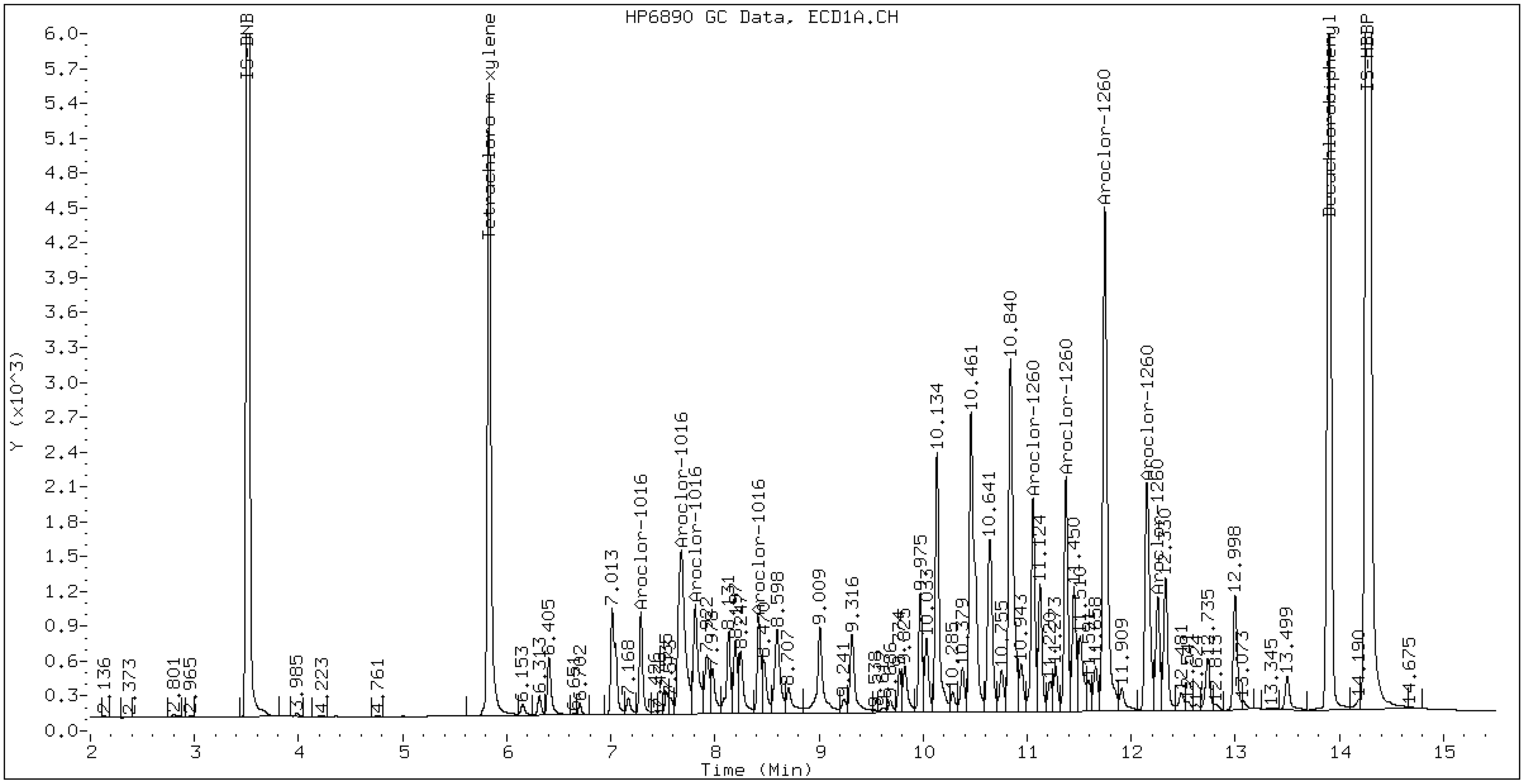
 Total PCB Area Col2 (5.813 - 14.037) =    1707668     Col2 Total PCB = 0.6 ppm*


   *  Quantitated against AR1660 0.25ppm in Ical


                                        PCB-Form 10 Mod.
```

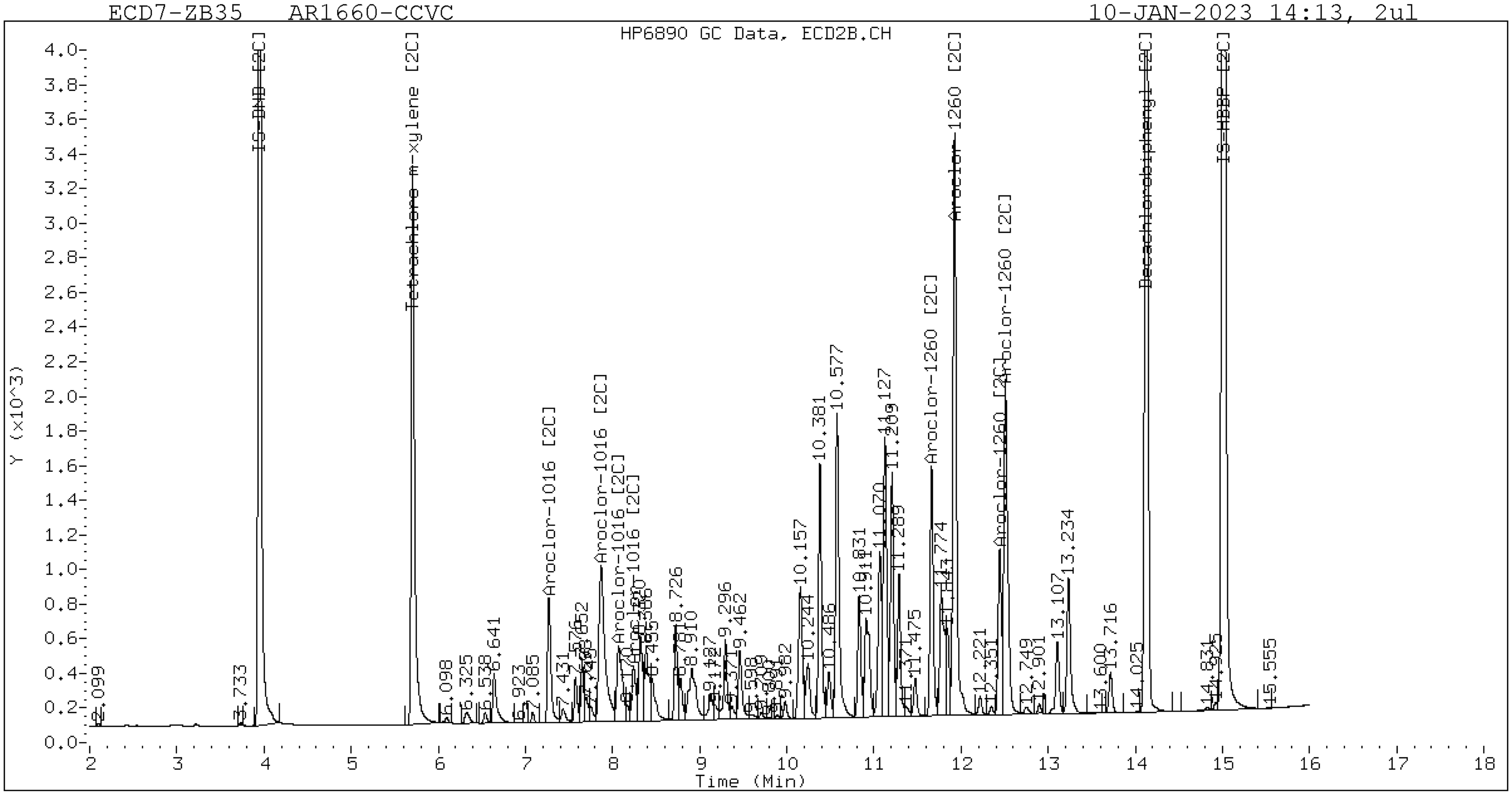
PCB Dual Column Chromatograms

ECD7-ZB5 AR1660-CCVC 10-JAN-2023 14:13, 2ul



ZB-5 Manual Integration: NO

ECD7-ZB35 AR1660-CCVC 10-JAN-2023 14:13, 2ul



ZB-35 Manual Integration: NO

CONTINUING CALIBRATION CHECK

EPA 8082A

Laboratory:	Analytical Resources, LLC	SDG:	22L0307
Client:	Anchor QEA, LLC	Project:	AOC4 UR Phase 3
Instrument ID:	ECD7	Calibration:	FL00010
Lab File ID:	01112317ECD7.D	Calibration Date:	12/03/2022
Sequence:	SLA0136	Injection Date:	01/11/23
Lab Sample ID:	SLA0136-CCV1	Injection Time:	14:33
Sequence Name:	AR1248CCV1		

		CONC. (ug/L)		RESPONSE FACTOR (RRF)			% DRIFT/DIFF	
COMPOUND	TYPE	STD	CCV	ICAL	CCV	MIN	CCV	LIMIT
Aroclor 1248	A	250.00	257	0.0490062	0.0517989		2.9	+/-20
Aroclor-1248 (1)	A	250.00	263		0.0362450			
Aroclor-1248 (2)	A	250.00	279		0.0489669			
Aroclor-1248 (3)	A	250.00	289		0.0913629			
Aroclor-1248 (4)	A	250.00	198		0.0306208			
Aroclor 1248 [2C]	A	250.00	257	0.0394876	0.0408733		2.7	+/-20
Aroclor-1248 (1) [2C]	A	250.00	260		0.0339747			
Aroclor-1248 (2) [2C]	A	250.00	219		0.0301110			
Aroclor-1248 (3) [2C]	A	250.00	279		0.0466475			
Aroclor-1248 (4) [2C]	A	250.00	269		0.0527601			
Decachlorobiphenyl	A	40.000	42.0	0.7333327	0.7706385		5.0	+/-20
Tetrachlorometaxylene	A	40.000	36.5	1.1336710	1.0354590		-8.8	+/-20
Decachlorobiphenyl [2C]	A	40.000	40.7	1.1358180	1.1557380		1.8	+/-20
Tetrachlorometaxylene [2C]	A	40.000	36.2	1.0966080	0.9923164		-9.5	+/-20

* Values outside of QC limits

```
                                  Analytical Resources Inc.
                             Dual Column 608/8082 PCB Quantitation Report

Data file 1: /230111.b/01112317ECD7.D                        ARI ID: AR1248CCV1
Data file 2: /230111.b/230111.b/01112317ECD7.D               Client ID:
Method: \\target\share\chem4\ecd7.i\230111.b\PCB.m           Injection Date: 11-JAN-2023 14:33
Compound Sublist: AR1248.sub                                    Report Date: 01/12/2023 12:16
Instrument, Inj. Vol.: ecd7.i, 2ul                           Matrix: NONE
Quant Method: Internal Std                                   Dilution Factor:  1.0



                                     SURROGATES

       ZB5 Col          |       ZB35 Col         |   ZB5    ZB35
  RT    Shift Response | RT    Shift  Response  |  on col  on col    RPD   Compound/Flag
============================================================================================

 5.830 -0.001   195302 | 5.707   0.000   148262|   36.5    36.2      0.9    Tetrachloro-m-xylene
13.903 -0.001   233925 |14.128  -0.001   251566|   42.0    40.7      3.2    Decachlorobiphenyl


*  Indicates RPD > 40%




                                INTERNAL STANDARD SUMMARY

                                            Column 1
                                     Standard    Sample
                  Standard Cpnd       Area*       Area      %D
              ---------------------------------------------------
                Bromo-Nitrobenzene    447645      377228  -15.7
                Hexabromobiphenyl     798898      607094  -24.0

                                            Column 2
                                     Standard    Sample
                  Standard Cpnd       Area*       Area      %D
              ---------------------------------------------------
                Bromo-Nitrobenzene    249094     298820    20.0
                Hexabromobiphenyl     362541     435334    20.1


               * Standard Areas taken from Initial Cal Level 3
                 Initial Calibration Date: 03-DEC-2022
              <- Indicates standard response outside Limits (-50 to +100%)
```

```
//target/share/chem4/ecd7.i/230111.b/01112317ECD7.D      AR1248CCV1                   page 2
                           ZB5 Col                                ZB35 Col
 Aroclor   Peak#    RT    Shift    Area    Amount    Peak#   RT     Shift    Area   Amount
 ==========================================================================================
 Aroclor-1248 1   8.424  -0.003     42727   263.4      1    8.321   0.000    31726   259.9
 Aroclor-1248 2   8.600  -0.005     57724   278.7      2    8.727   0.000    28118   219.0
 Aroclor-1248 3   9.016  -0.007    107702   289.1      3    9.175   0.000    43560   278.9
 Aroclor-1248 4   9.309  -0.002     36097   197.8      4    9.599   0.000    49268   268.7
       Total Col1Ave (4 peaks):   257.3       Total Col2Ave (4 peaks):   256.6   RPD = 0
       Corrected Ave (3 peaks):   246.7       Corrected Ave (3 peaks):   249.2   RPD = 1

                    CalAmt %D:     2.9                    CalAmt %D:     2.7




 Total PCB Area Col1 (5.932 - 13.804) =     886272     Col1 Total PCB = 0.2 ppm*

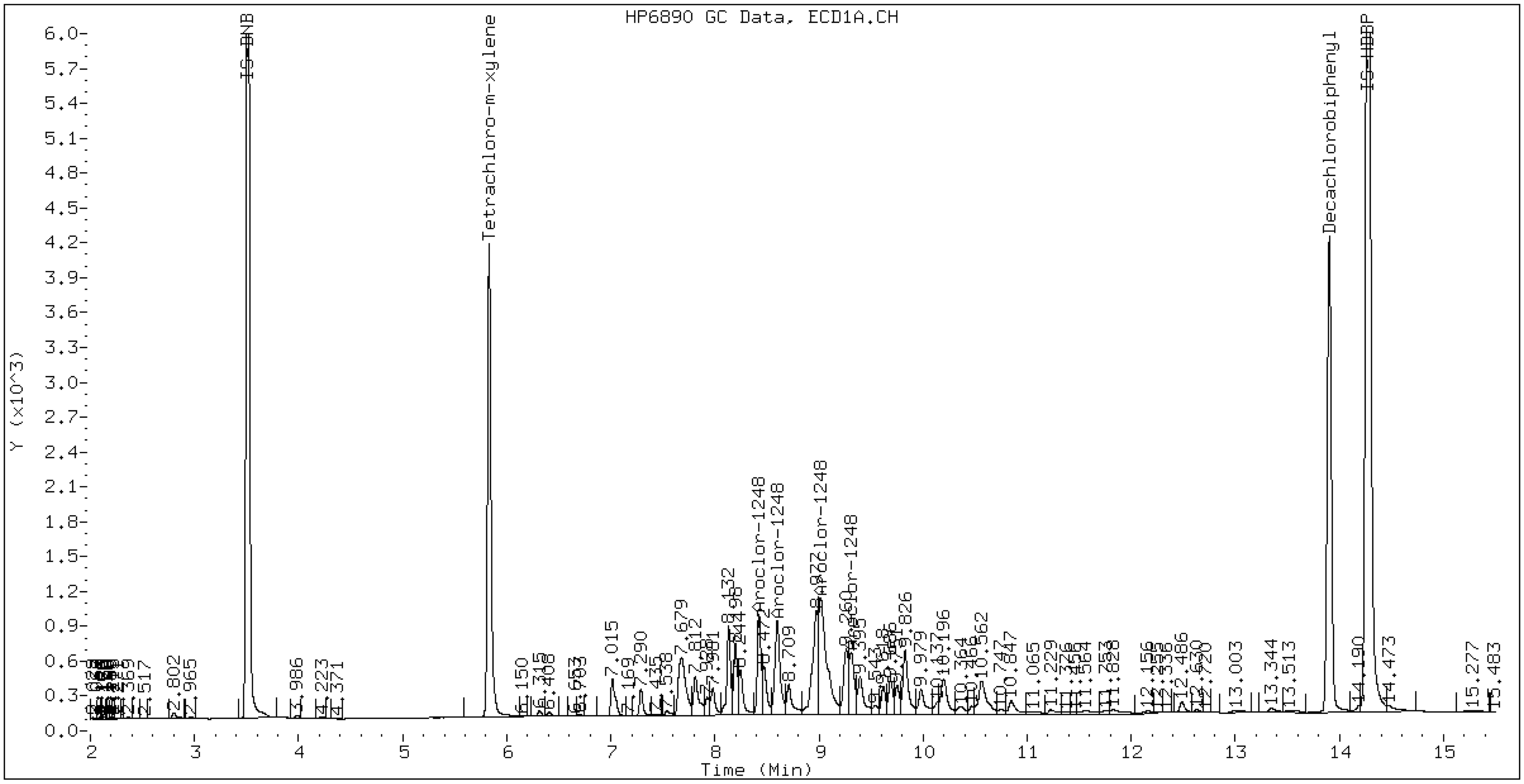
 Total PCB Area Col2 (5.807 - 14.028) =     633909     Col2 Total PCB = 0.2 ppm*


   *  Quantitated against AR1660 0.25ppm in Ical


                                        PCB-Form 10 Mod.
```

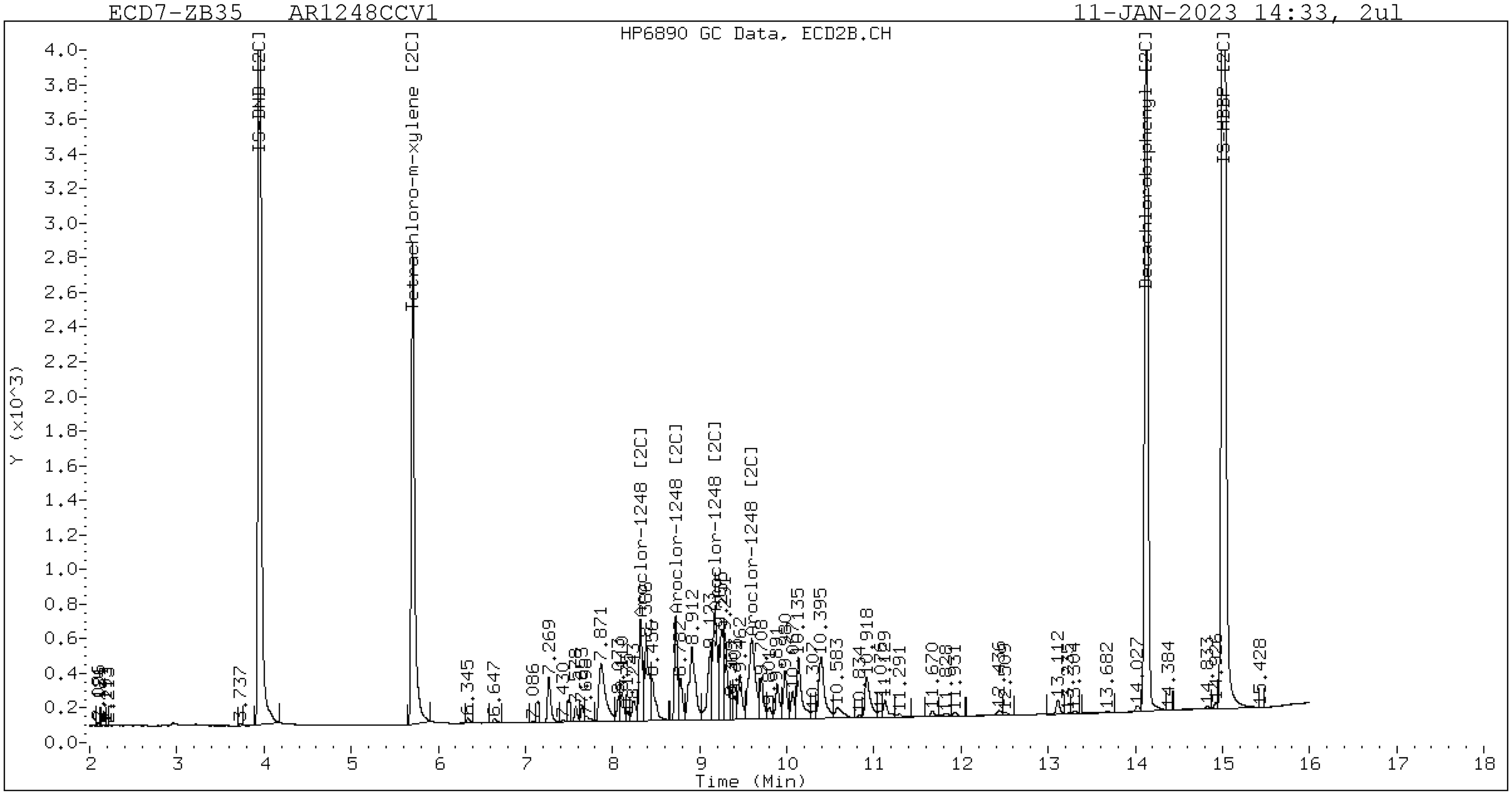
PCB Dual Column Chromatograms

ECD7-ZB5 AR1248CCV1 11-JAN-2023 14:33, 2ul



ZB-5 Manual Integration: NO

ECD7-ZB35 AR1248CCV1 11-JAN-2023 14:33, 2ul



ZB-35 Manual Integration: NO

CONTINUING CALIBRATION CHECK

EPA 8082A

Laboratory:	Analytical Resources, LLC	SDG:	22L0307
Client:	Anchor QEA, LLC	Project:	AOC4 UR Phase 3
Instrument ID:	ECD7	Calibration:	FL00010
Lab File ID:	01112318ECD7.D	Calibration Date:	12/03/2022
Sequence:	SLA0136	Injection Date:	01/11/23
Lab Sample ID:	SLA0136-CCV2	Injection Time:	14:54
Sequence Name:	AR1660CCV2		

		CONC. (ug/L)		RESPONSE FACTOR (RRF)			% DRIFT/DIFF	
COMPOUND	TYPE	STD	CCV	ICAL	CCV	MIN	CCV	LIMIT
Aroclor 1016	A	250.00	278	0.0441939	0.0485943		11.3	+/-20
Aroclor-1016 (1)	A	250.00	272	0.0266860	0.0290229		8.8	
Aroclor-1016 (2)	A	250.00	266	0.0861572	0.0918442		6.4	
Aroclor-1016 (3)	A	250.00	288	0.0390425	0.0449547		15.2	
Aroclor-1016 (4)	A	250.00	287	0.0248899	0.0285556		14.8	
Aroclor 1016 [2C]	A	250.00	252	0.0467310	0.0465069		0.6	+/-20
Aroclor-1016 (1) [2C]	A	250.00	251	0.0409030	0.0410600		0.4	
Aroclor-1016 (2) [2C]	A	250.00	245	0.0882154	0.0863852		-2.0	
Aroclor-1016 (3) [2C]	A	250.00	249	0.0378846	0.0377953		-0.4	
Aroclor-1016 (4) [2C]	A	250.00	261	0.0199212	0.0207872		4.4	
Aroclor 1260	A	250.00	303	0.0390342	0.0472752		21.3	+/-20 *
Aroclor-1260 (1)	A	250.00	301	0.0291201	0.0350870		20.4	
Aroclor-1260 (2)	A	250.00	306	0.0301181	0.0368999		22.4	
Aroclor-1260 (3)	A	250.00	305	0.0791351	0.0964340		22.0	
Aroclor-1260 (4)	A	250.00	296	0.0403003	0.0476576		18.4	
Aroclor-1260 (5)	A	250.00	308	0.0164974	0.0202975		23.2	
Aroclor 1260 [2C]	A	250.00	254	0.0617619	0.0623147		1.6	+/-20
Aroclor-1260 (1) [2C]	A	250.00	253	0.0422283	0.0428107		1.2	
Aroclor-1260 (2) [2C]	A	250.00	247	0.1059643	0.1049019		-1.2	
Aroclor-1260 (3) [2C]	A	250.00	260	0.0282173	0.0293175		4.0	
Aroclor-1260 (4) [2C]	A	250.00	256	0.0706376	0.0722287		2.4	
Decachlorobiphenyl	A	40.000	43.7	0.7333327	0.8010452		9.3	+/-20
Tetrachlorometaxylene	A	40.000	41.2	1.1336710	1.1683590		3.0	+/-20
Decachlorobiphenyl [2C]	A	40.000	41.9	1.1358180	1.1903590		4.8	+/-20
Tetrachlorometaxylene [2C]	A	40.000	39.8	1.0966080	1.0906350		-0.5	+/-20

* Values outside of QC limits

* Values outside of QC limits

```
                                 Analytical Resources Inc.
                            Dual Column 608/8082 PCB Quantitation Report

 Data file 1: /230111.b/01112318ECD7.D                        ARI ID: AR1660CCV2
 Data file 2: /230111.b/230111.b/01112318ECD7.D               Client ID:
 Method: \\target\share\chem4\ecd7.i\230111.b\PCB.m           Injection Date: 11-JAN-2023 14:54
 Compound Sublist: AR1660.sub                                    Report Date: 01/12/2023 12:16
 Instrument, Inj. Vol.: ecd7.i, 2ul                           Matrix: NONE
 Quant Method: Internal Std                                   Dilution Factor:  1.0



                                    SURROGATES

        ZB5 Col          |       ZB35 Col         |   ZB5    ZB35
   RT    Shift Response  | RT    Shift  Response  |  on col  on col    RPD   Compound/Flag
 ===========================================================================================

  5.831 -0.001   216039 | 5.707   0.000   160783|   41.2    39.8      3.6    Tetrachloro-m-xylene
 13.902 -0.002   269923 |14.128  -0.000   274764|   43.7    41.9      4.1    Decachlorobiphenyl


*  Indicates RPD > 40%



                              INTERNAL STANDARD SUMMARY

                                          Column 1
                                   Standard    Sample
                  Standard Cpnd      Area*       Area      %D
               --------------------------------------------------
                 Bromo-Nitrobenzene    447645      369816  -17.4
                 Hexabromobiphenyl     798898      673927  -15.6

                                          Column 2
                                   Standard    Sample
                  Standard Cpnd      Area*       Area      %D
               --------------------------------------------------
                 Bromo-Nitrobenzene    249094     294843    18.4
                 Hexabromobiphenyl     362541     461649    27.3


                * Standard Areas taken from Initial Cal Level 3
                  Initial Calibration Date: 03-DEC-2022
               <- Indicates standard response outside Limits (-50 to +100%)
```

```
                            ZB5 Col                                ZB35 Col
 Aroclor    Peak#    RT    Shift    Area    Amount    Peak#   RT     Shift    Area   Amount
 ==========================================================================================
 Aroclor-1016 1   7.289  -0.005     33541   271.9      1    7.271   0.000    37832   251.0
 Aroclor-1016 2   7.678  -0.006    106142   266.5      2    7.871  -0.000    79594   244.8
 Aroclor-1016 3   7.813  -0.005     51953   287.9      3    8.070  -0.001    34824   249.4
 Aroclor-1016 4   8.424  -0.005     33001   286.8      4    8.241  -0.001    19153   260.9
       Total Col1Ave (4 peaks):   278.3       Total Col2Ave (4 peaks):   251.5   RPD = 10
       Corrected Ave (3 peaks):   275.1       Corrected Ave (3 peaks):   248.4   RPD = 10

                    CalAmt %D:    11.3                      CalAmt %D:     0.6

 Aroclor-1260 1  11.057  -0.006     73894   301.2      1   11.662  -0.000    61761   253.4
 Aroclor-1260 2  11.372  -0.005     77712   306.3      2   11.926   0.000   151337   247.5
 Aroclor-1260 3  11.747  -0.005    203092   304.6      3   12.445   0.001    42295   259.7
 Aroclor-1260 4  12.152  -0.006    100368   295.6      4   12.509  -0.001   104201   255.6
 Aroclor-1260 5  12.256  -0.006     42747   307.6      NS    ---                     ----
       Total Col1Ave (5 peaks):   303.1       Total Col2Ave (4 peaks):   254.1   RPD = 18
       Corrected Ave (4 peaks):   302.0       Corrected Ave (3 peaks):   252.2   RPD = 18

                    CalAmt %D:    21.2                      CalAmt %D:     1.6




 Total PCB Area Col1 (5.932 - 13.804) =    2125879     Col1 Total PCB = 0.6 ppm*

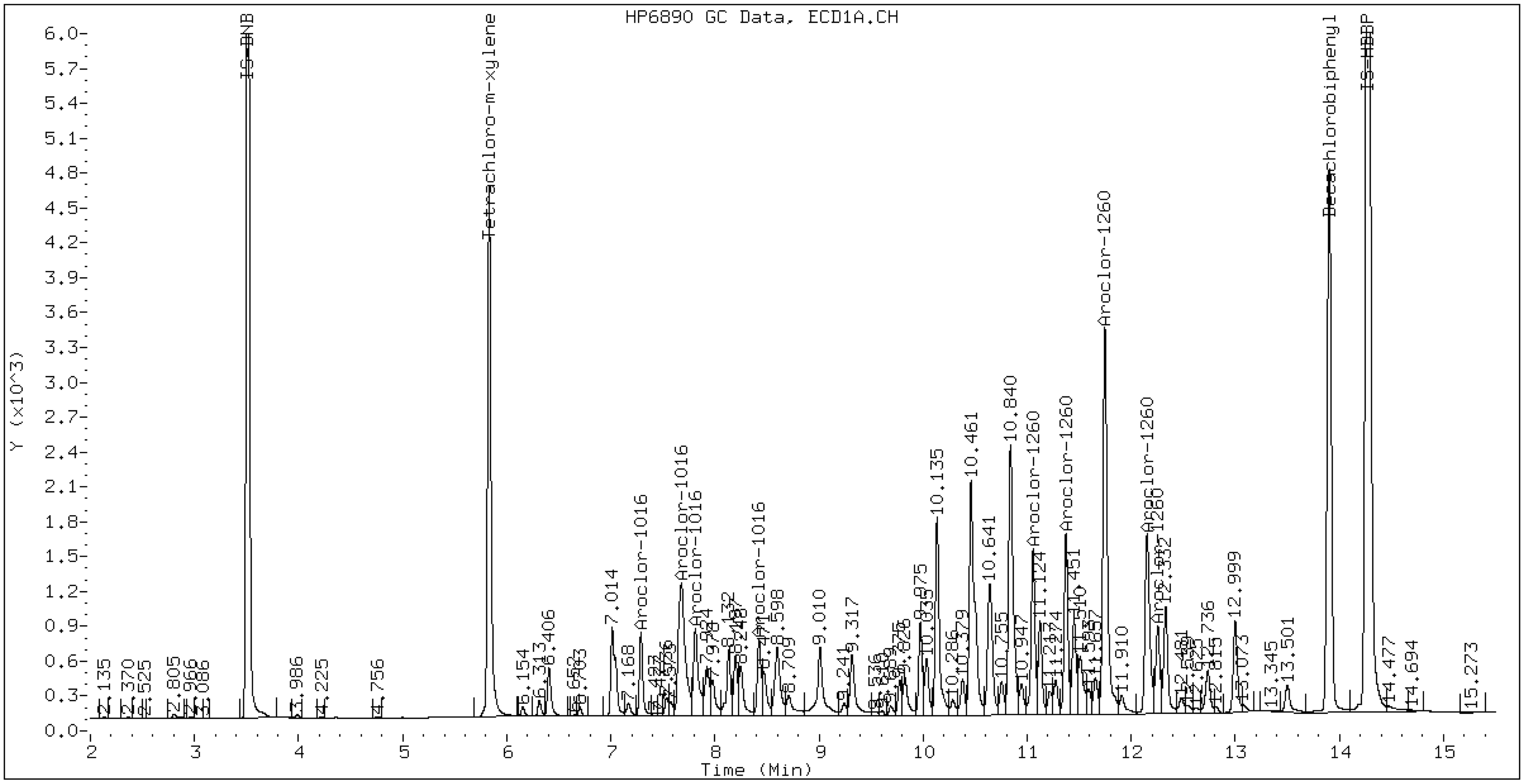
 Total PCB Area Col2 (5.807 - 14.028) =    1478089     Col2 Total PCB = 0.5 ppm*


   *  Quantitated against AR1660 0.25ppm in Ical

                                        PCB-Form 10 Mod.
```

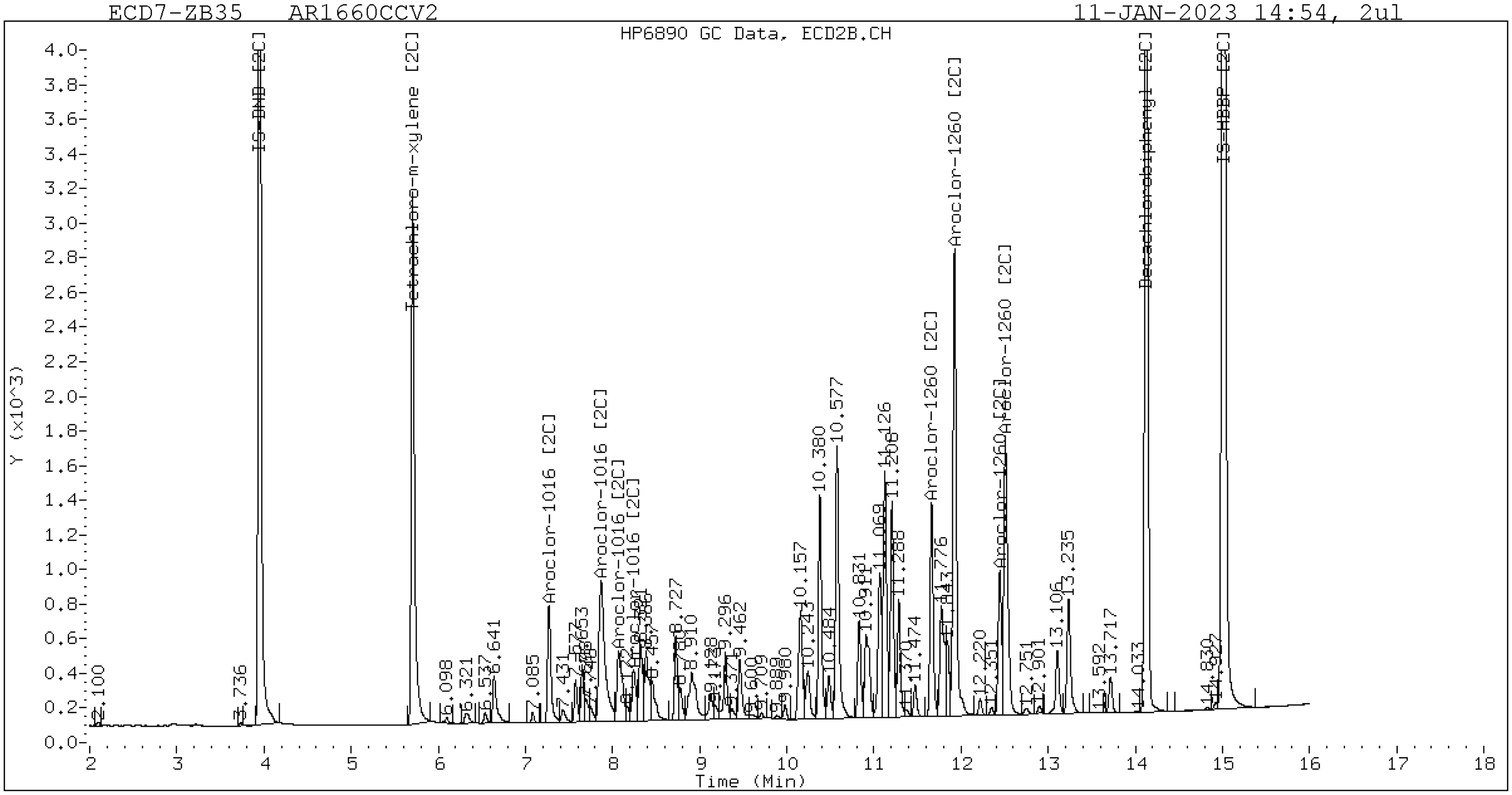
PCB Dual Column Chromatograms

ECD7-ZB5 AR1660CCV2 11-JAN-2023 14:54, 2ul



ZB-5 Manual Integration: NO

ECD7-ZB35 AR1660CCV2 11-JAN-2023 14:54, 2ul



ZB-35 Manual Integration: NO

CONTINUING CALIBRATION CHECK
EPA 8082A

Laboratory:	Analytical Resources, LLC	SDG:	22L0307
Client:	Anchor QEA, LLC	Project:	AOC4 UR Phase 3
Instrument ID:	ECD7	Calibration:	FL00010
Lab File ID:	01112328ECD7.D	Calibration Date:	12/03/2022
Sequence:	SLA0136	Injection Date:	01/11/23
Lab Sample ID:	SLA0136-CCV3	Injection Time:	18:24
Sequence Name:	AR1242CCV3		

		CONC. (ug/L)		RESPONSE FACTOR (RRF)			% DRIFT/DIFF	
COMPOUND	TYPE	STD	CCV	ICAL	CCV	MIN	CCV	LIMIT
Aroclor 1242	A	250.00	282	0.0396000	0.0444015		12.6	+/-20
Aroclor-1242 (1)	A	250.00	267		0.0242407			
Aroclor-1242 (2)	A	250.00	260		0.0748016			
Aroclor-1242 (3)	A	250.00	275		0.0228138			
Aroclor-1242 (4)	A	250.00	324		0.0557500			
Aroclor 1242 [2C]	A	250.00	269	0.0391981	0.0414700		7.5	+/-20
Aroclor-1242 (1) [2C]	A	250.00	253		0.0342393			
Aroclor-1242 (2) [2C]	A	250.00	257		0.0739476			
Aroclor-1242 (3) [2C]	A	250.00	280		0.0259347			
Aroclor-1242 (4) [2C]	A	250.00	285		0.0317583			
Decachlorobiphenyl	A	40.000	40.9	0.7333327	0.7497097		2.3	+/-20
Tetrachlorometaxylene	A	40.000	38.6	1.1336710	1.0950880		-3.5	+/-20
Decachlorobiphenyl [2C]	A	40.000	40.0	1.1358180	1.1368990		0.0	+/-20
Tetrachlorometaxylene [2C]	A	40.000	37.1	1.0966080	1.0183290		-7.3	+/-20

* Values outside of QC limits

* Values outside of QC limits

```
                              Analytical Resources Inc.
                         Dual Column 608/8082 PCB Quantitation Report

Data file 1: /230111.b/01112328ECD7.D                        ARI ID: AR1242CCV3
Data file 2: /230111.b/230111.b/01112328ECD7.D               Client ID:
Method: \\target\share\chem4\ecd7.i\230111.b\PCB.m           Injection Date: 11-JAN-2023 18:24
Compound Sublist: AR1242.sub                                    Report Date: 01/12/2023 12:16
Instrument, Inj. Vol.: ecd7.i, 2ul                           Matrix: NONE
Quant Method: Internal Std                                   Dilution Factor:  1.0




                                 SURROGATES

       ZB5 Col          |       ZB35 Col         |   ZB5    ZB35
  RT    Shift Response | RT    Shift  Response  |  on col  on col    RPD   Compound/Flag
==========================================================================================

  5.832  0.000   212925 | 5.708   0.001   156231|   38.6    37.1      3.9    Tetrachloro-m-xylene
 13.904  0.000   360267 |14.128  -0.000   332514|   40.9    40.0      2.1    Decachlorobiphenyl


*  Indicates RPD > 40%




                          INTERNAL STANDARD SUMMARY

                                      Column 1
                                Standard    Sample
                  Standard Cpnd      Area*       Area      %D
               --------------------------------------------------
                 Bromo-Nitrobenzene    447645      388873  -13.1
                 Hexabromobiphenyl     798898      961084   20.3

                                      Column 2
                                Standard    Sample
                  Standard Cpnd      Area*       Area      %D
               --------------------------------------------------
                 Bromo-Nitrobenzene    249094     306838    23.2
                 Hexabromobiphenyl     362541     584949    61.3


                * Standard Areas taken from Initial Cal Level 3
                  Initial Calibration Date: 03-DEC-2022
               <- Indicates standard response outside Limits (-50 to +100%)
```

```
                               ZB5 Col                                 ZB35 Col
 Aroclor    Peak#    RT    Shift    Area    Amount    Peak#   RT     Shift    Area   Amount
 ==========================================================================================
 Aroclor-1242 1   7.290   0.000     29458   267.3      1    7.272   0.000    32831   252.8
 Aroclor-1242 2   7.682   0.000     90901   259.7      2    7.875   0.000    70906   257.2
 Aroclor-1242 3   8.425   0.000     27724   275.3      3    9.179   0.000    24868   279.6
 Aroclor-1242 4   9.018   0.000     67749   324.0      4    9.604   0.000    30452   284.9
       Total Col1Ave (4 peaks):   281.6       Total Col2Ave (4 peaks):   268.6   RPD = 5
       Corrected Ave (3 peaks):   267.4       Corrected Ave (3 peaks):   263.2   RPD = 2

                     CalAmt %D:    12.6                   CalAmt %D:     7.5




 Total PCB Area Col1 (5.932 - 13.804) =     765422     Col1 Total PCB = 0.2 ppm*

 Total PCB Area Col2 (5.807 - 14.028) =     532955     Col2 Total PCB = 0.2 ppm*


   *  Quantitated against AR1660 0.25ppm in Ical


                                        PCB-Form 10 Mod.
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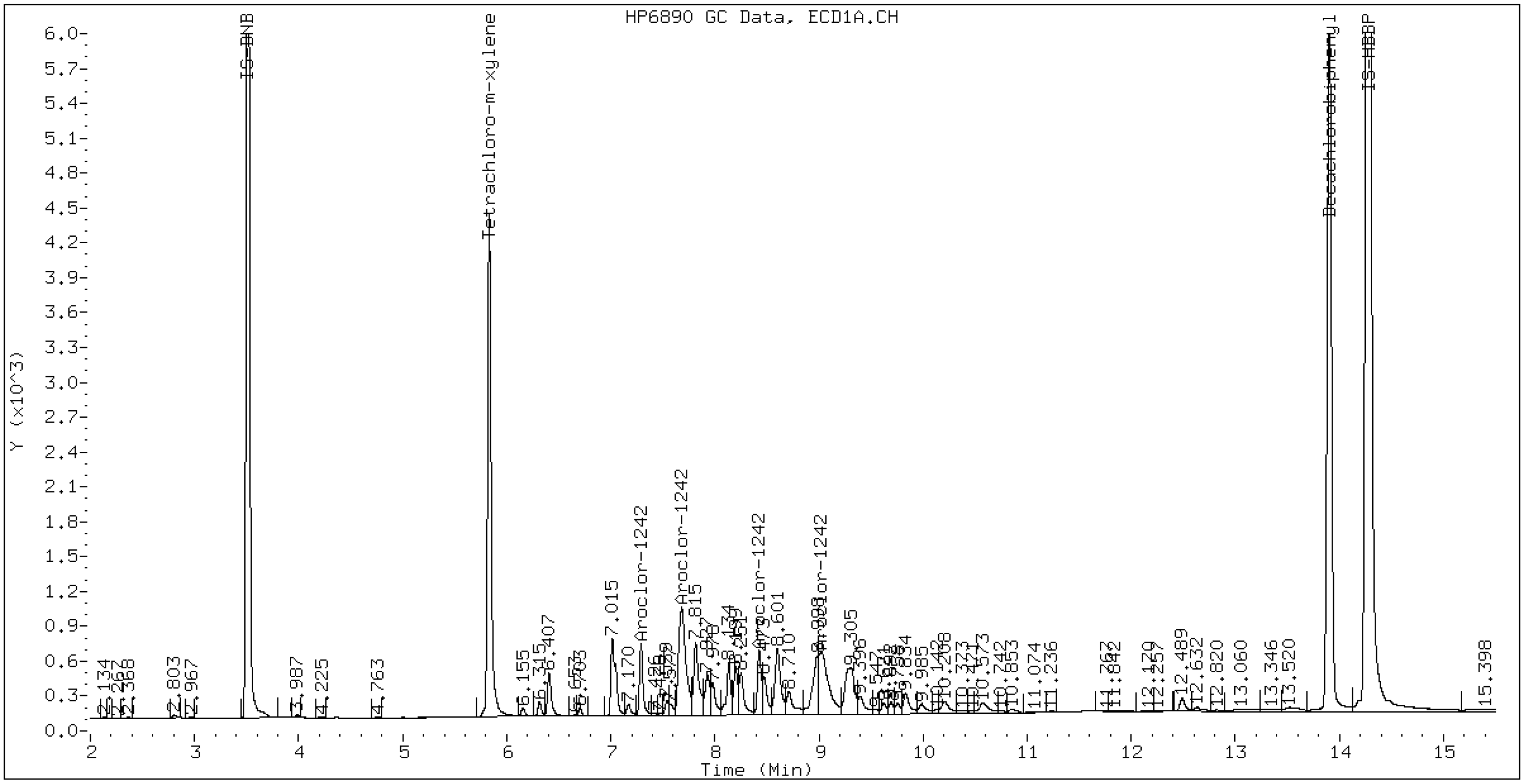
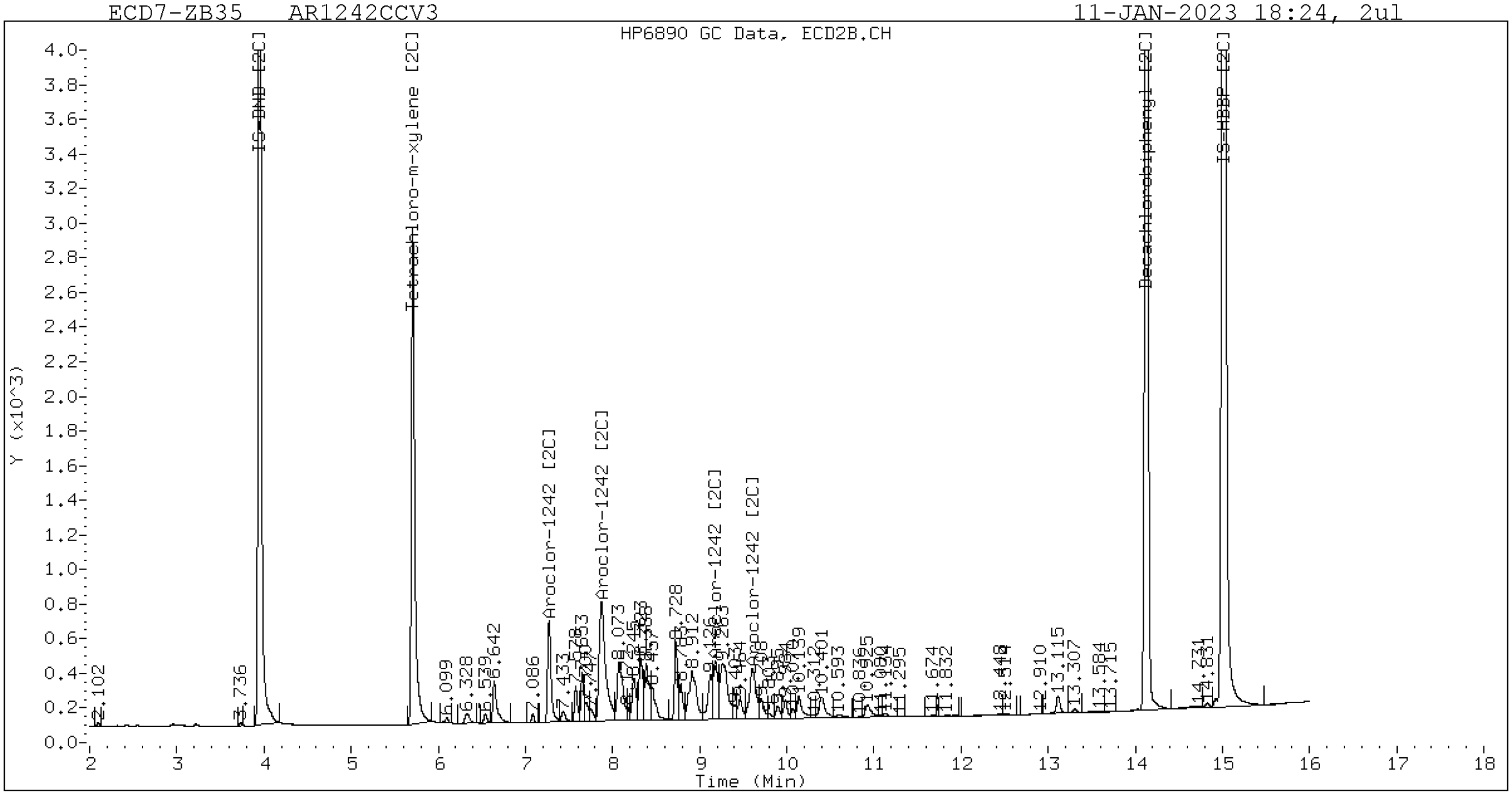
PCB Dual Column Chromatograms

ECD7-ZB5 AR1242CCV3 11-JAN-2023 18:24, 2ul



ZB-5 Manual Integration: YES

ECD7-ZB35 AR1242CCV3 11-JAN-2023 18:24, 2ul

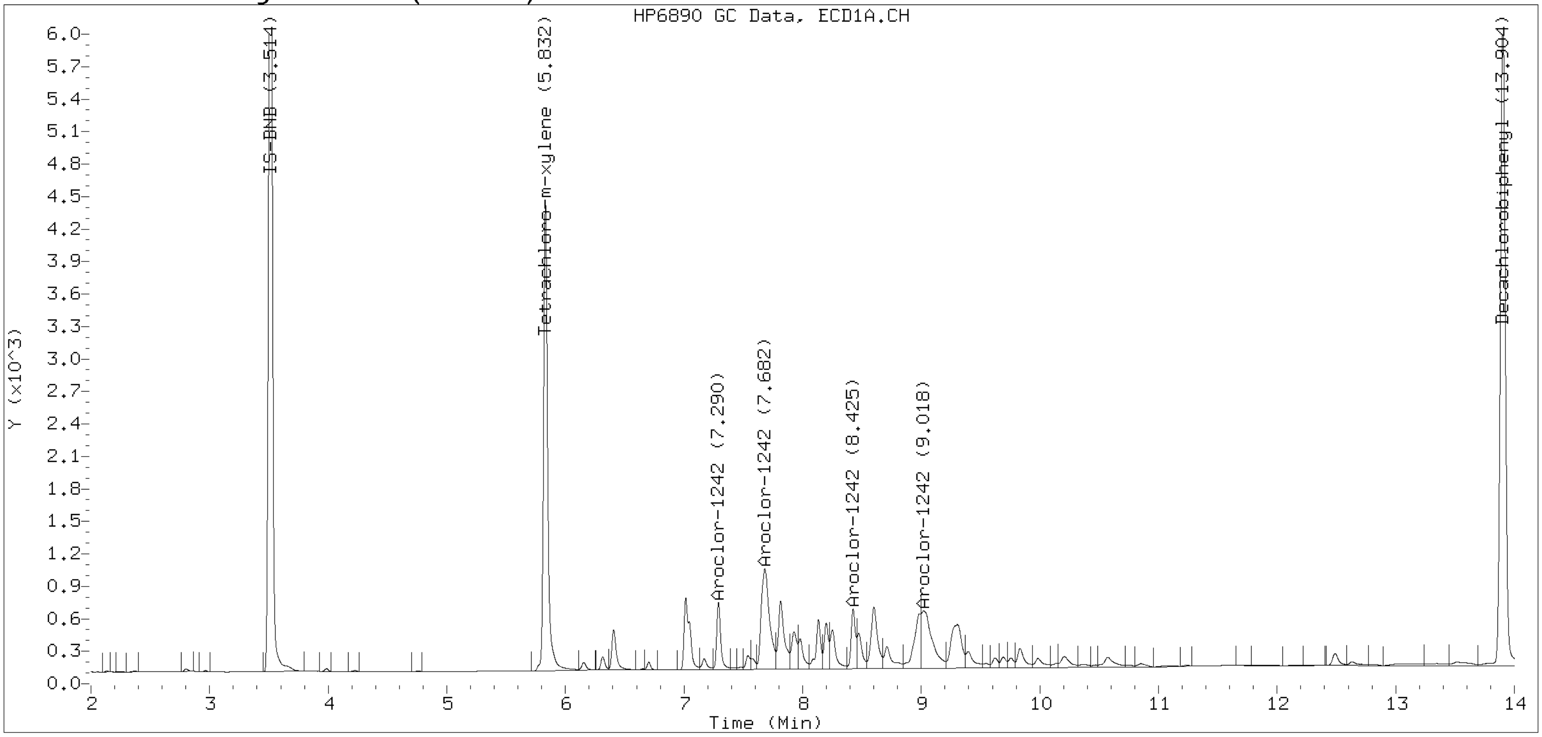


ZB-35 Manual Integration: NO

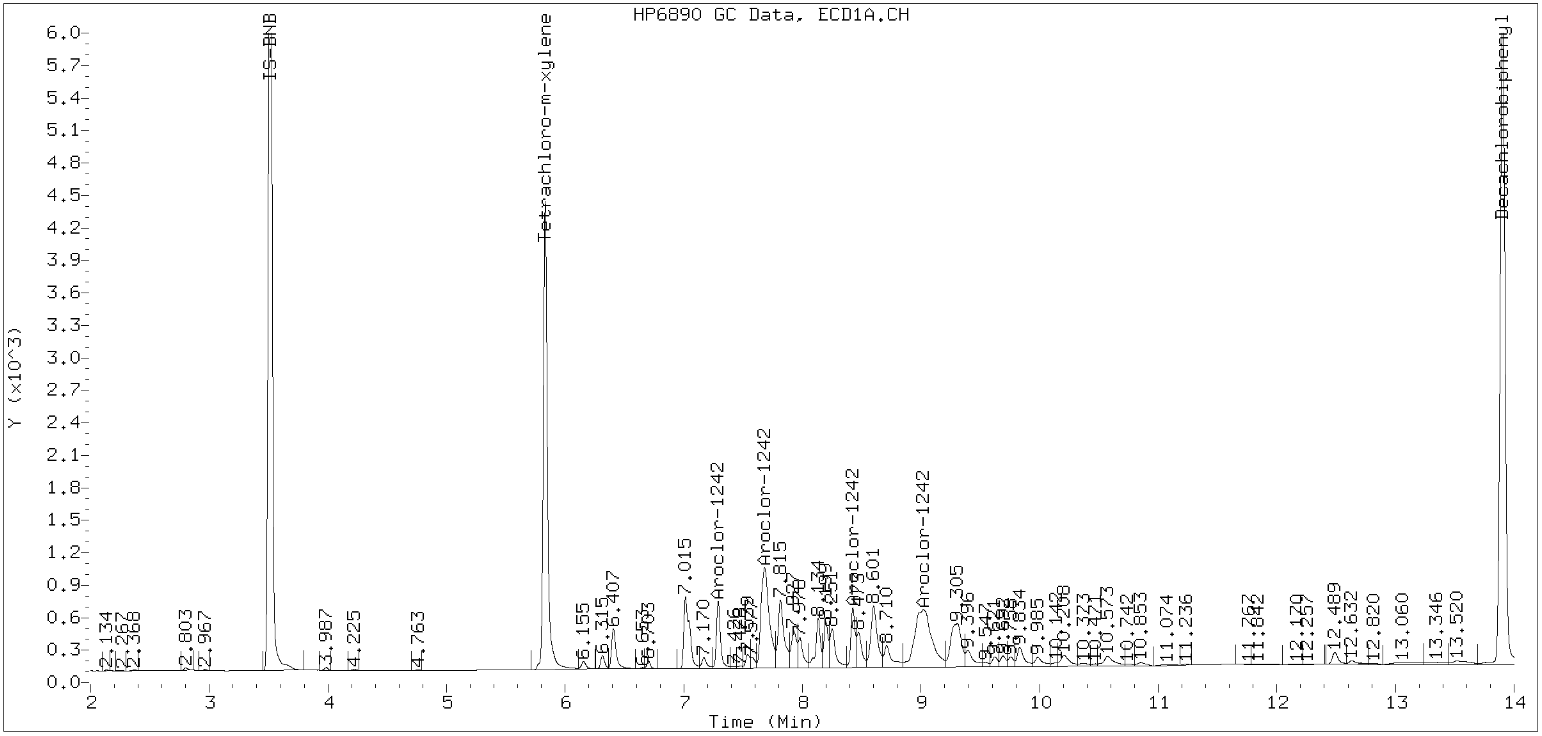
Manual Peak Adjustment, ZB-5

Datafile: ecd7.i/230111.b/01112328ECD7.D   Injection Date: 11-JAN-2023 18:24

Manual Integration (After)



Processed Integration (Before)



CONTINUING CALIBRATION CHECK

EPA 8082A

Laboratory:	Analytical Resources, LLC	SDG:	22L0307
Client:	Anchor QEA, LLC	Project:	AOC4 UR Phase 3
Instrument ID:	ECD7	Calibration:	FL00010
Lab File ID:	01112329ECD7.D	Calibration Date:	12/03/2022
Sequence:	SLA0136	Injection Date:	01/11/23
Lab Sample ID:	SLA0136-CCV4	Injection Time:	18:46
Sequence Name:	AR1660CCV4		

COMPOUND	TYPE	CONC. (ug/L)		RESPONSE FACTOR (RRF)			% DRIFT/DIFF	
		STD	CCV	ICAL	CCV	MIN	CCV	LIMIT
Aroclor 1016	A	250.00	280	0.0441939	0.0489795		12.1	+/-20
Aroclor-1016 (1)	A	250.00	276	0.0266860	0.0294644		10.4	
Aroclor-1016 (2)	A	250.00	268	0.0861572	0.0925598		7.2	
Aroclor-1016 (3)	A	250.00	291	0.0390425	0.0453831		16.4	
Aroclor-1016 (4)	A	250.00	286	0.0248899	0.0285110		14.4	
Aroclor 1016 [2C]	A	250.00	251	0.0467310	0.0464613		0.3	+/-20
Aroclor-1016 (1) [2C]	A	250.00	250	0.0409030	0.0409522		0.0	
Aroclor-1016 (2) [2C]	A	250.00	244	0.0882154	0.0862967		-2.4	
Aroclor-1016 (3) [2C]	A	250.00	251	0.0378846	0.0380569		0.4	
Aroclor-1016 (4) [2C]	A	250.00	258	0.0199212	0.0205394		3.2	
Aroclor 1260	A	250.00	252	0.0390342	0.0393405		0.9	+/-20
Aroclor-1260 (1)	A	250.00	249	0.0291201	0.0289804		-0.4	
Aroclor-1260 (2)	A	250.00	255	0.0301181	0.0307673		2.0	
Aroclor-1260 (3)	A	250.00	254	0.0791351	0.0804159		1.6	
Aroclor-1260 (4)	A	250.00	245	0.0403003	0.0395371		-2.0	
Aroclor-1260 (5)	A	250.00	258	0.0164974	0.0170017		3.2	
Aroclor 1260 [2C]	A	250.00	230	0.0617619	0.0563763		-7.9	+/-20
Aroclor-1260 (1) [2C]	A	250.00	226	0.0422283	0.0382361		-9.6	
Aroclor-1260 (2) [2C]	A	250.00	222	0.1059643	0.0941411		-11.2	
Aroclor-1260 (3) [2C]	A	250.00	238	0.0282173	0.0268235		-4.8	
Aroclor-1260 (4) [2C]	A	250.00	235	0.0706376	0.0663044		-6.0	
Decachlorobiphenyl	A	40.000	43.3	0.7333327	0.7946871		8.3	+/-20
Tetrachlorometaxylene	A	40.000	42.0	1.1336710	1.1892280		5.0	+/-20
Decachlorobiphenyl [2C]	A	40.000	40.9	1.1358180	1.1616880		2.3	+/-20
Tetrachlorometaxylene [2C]	A	40.000	40.4	1.0966080	1.1089400		1.0	+/-20

* Values outside of QC limits

* Values outside of QC limits

```
                              Analytical Resources Inc.
                         Dual Column 608/8082 PCB Quantitation Report

Data file 1: /230111.b/01112329ECD7.D                    ARI ID: AR1660CCV4
Data file 2: /230111.b/230111.b/01112329ECD7.D           Client ID:
Method: \\target\share\chem4\ecd7.i\230111.b\PCB.m       Injection Date: 11-JAN-2023 18:46
Compound Sublist: AR1660.sub                                Report Date: 01/12/2023 12:16
Instrument, Inj. Vol.: ecd7.i, 2ul                       Matrix: NONE
Quant Method: Internal Std                               Dilution Factor:  1.0



                                 SURROGATES

       ZB5 Col          |       ZB35 Col         |   ZB5    ZB35
  RT    Shift Response  | RT    Shift  Response  |  on col  on col    RPD   Compound/Flag
==========================================================================================

  5.831 -0.001   226916 | 5.707   0.000   166871|   42.0    40.4      3.7    Tetrachloro-m-xylene
 13.902 -0.002   361047 |14.128   0.000   325646|   43.3    40.9      5.8    Decachlorobiphenyl


*  Indicates RPD > 40%



                            INTERNAL STANDARD SUMMARY

                                      Column 1
                                 Standard    Sample
               Standard Cpnd       Area*       Area      %D
             --------------------------------------------------
               Bromo-Nitrobenzene    447645      381619  -14.7
               Hexabromobiphenyl     798898      908652   13.7

                                      Column 2
                                 Standard    Sample
               Standard Cpnd       Area*       Area      %D
             --------------------------------------------------
               Bromo-Nitrobenzene    249094     300956    20.8
               Hexabromobiphenyl     362541     560643    54.6


              * Standard Areas taken from Initial Cal Level 3
                Initial Calibration Date: 03-DEC-2022
             <- Indicates standard response outside Limits (-50 to +100%)
```

```
//target/share/chem4/ecd7.i/230111.b/01112329ECD7.D      AR1660CCV4                          page 2
                            ZB5 Col                                ZB35 Col
 Aroclor   Peak#    RT    Shift    Area    Amount    Peak#   RT     Shift    Area   Amount
 =========================================================================================
 Aroclor-1016 1   7.289  -0.005     35138   276.0      1    7.270   0.000    38515   250.3
 Aroclor-1016 2   7.679  -0.006    110383   268.6      2    7.871   0.000    81161   244.6
 Aroclor-1016 3   7.812  -0.006     54122   290.6      3    8.071   0.000    35792   251.1
 Aroclor-1016 4   8.423  -0.007     34001   286.4      4    8.242   0.000    19317   257.8
       Total Col1Ave (4 peaks):   280.4       Total Col2Ave (4 peaks):   250.9   RPD = 11
       Corrected Ave (3 peaks):   277.0       Corrected Ave (3 peaks):   248.7   RPD = 11

                     CalAmt %D:    12.2                     CalAmt %D:     0.4

 Aroclor-1260 1  11.057  -0.005     82291   248.8      1   11.663   0.000    66990   226.4
 Aroclor-1260 2  11.374  -0.004     87365   255.4      2   11.926   0.000   164936   222.1
 Aroclor-1260 3  11.747  -0.005    228344   254.0      3   12.444   0.000    46995   237.7
 Aroclor-1260 4  12.153  -0.005    112267   245.3      4   12.510   0.000   116166   234.7
 Aroclor-1260 5  12.256  -0.005     48277   257.6      NS    ---                      ----
       Total Col1Ave (5 peaks):   252.2       Total Col2Ave (4 peaks):   230.2   RPD = 9
       Corrected Ave (4 peaks):   250.9       Corrected Ave (3 peaks):   227.7   RPD = 10

                     CalAmt %D:     0.9                     CalAmt %D:    -7.9




 Total PCB Area Col1 (5.932 - 13.804) =    2321218     Col1 Total PCB = 0.6 ppm*

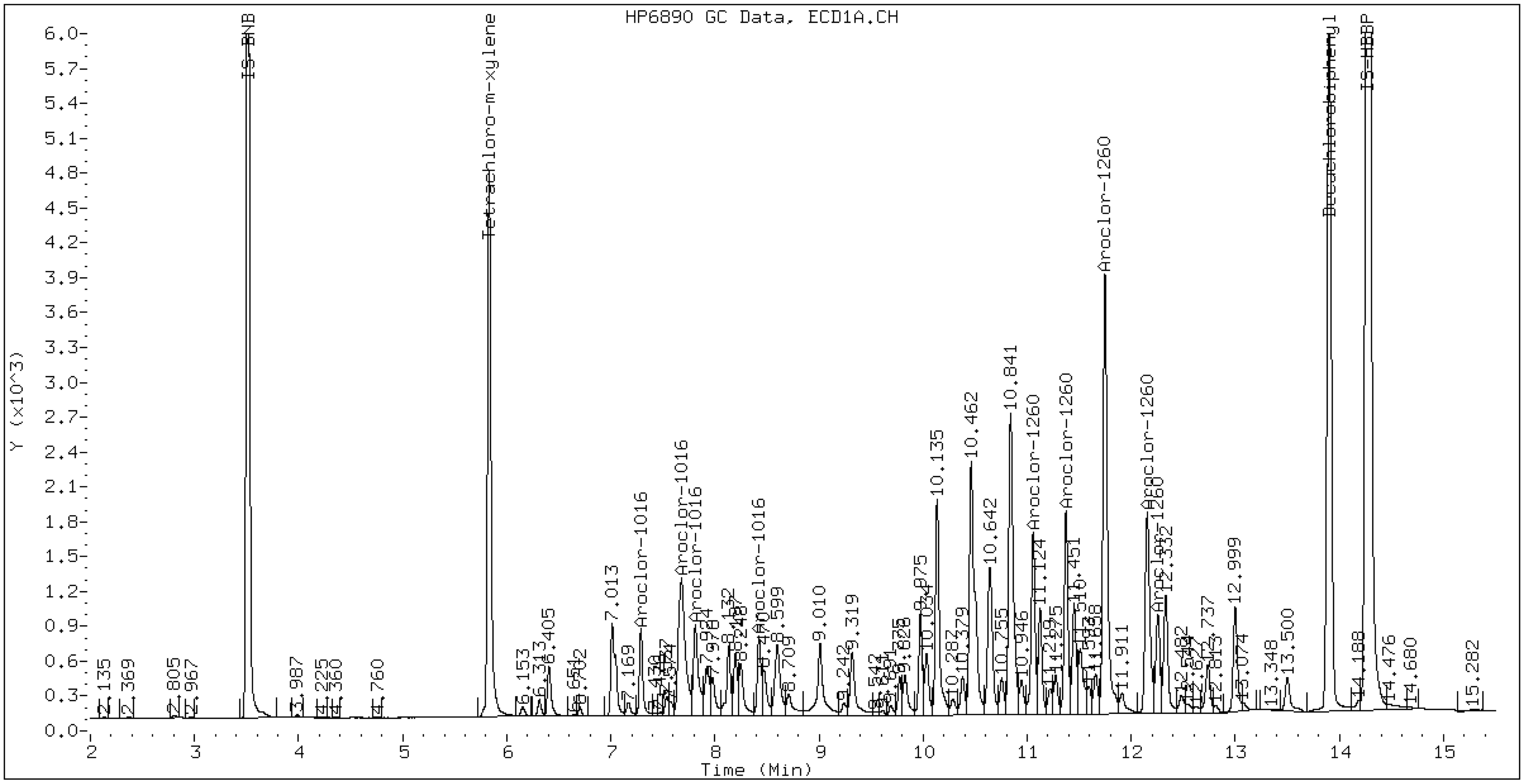
 Total PCB Area Col2 (5.807 - 14.028) =    1590371     Col2 Total PCB = 0.6 ppm*


   *  Quantitated against AR1660 0.25ppm in Ical


                                       PCB-Form 10 Mod.
```

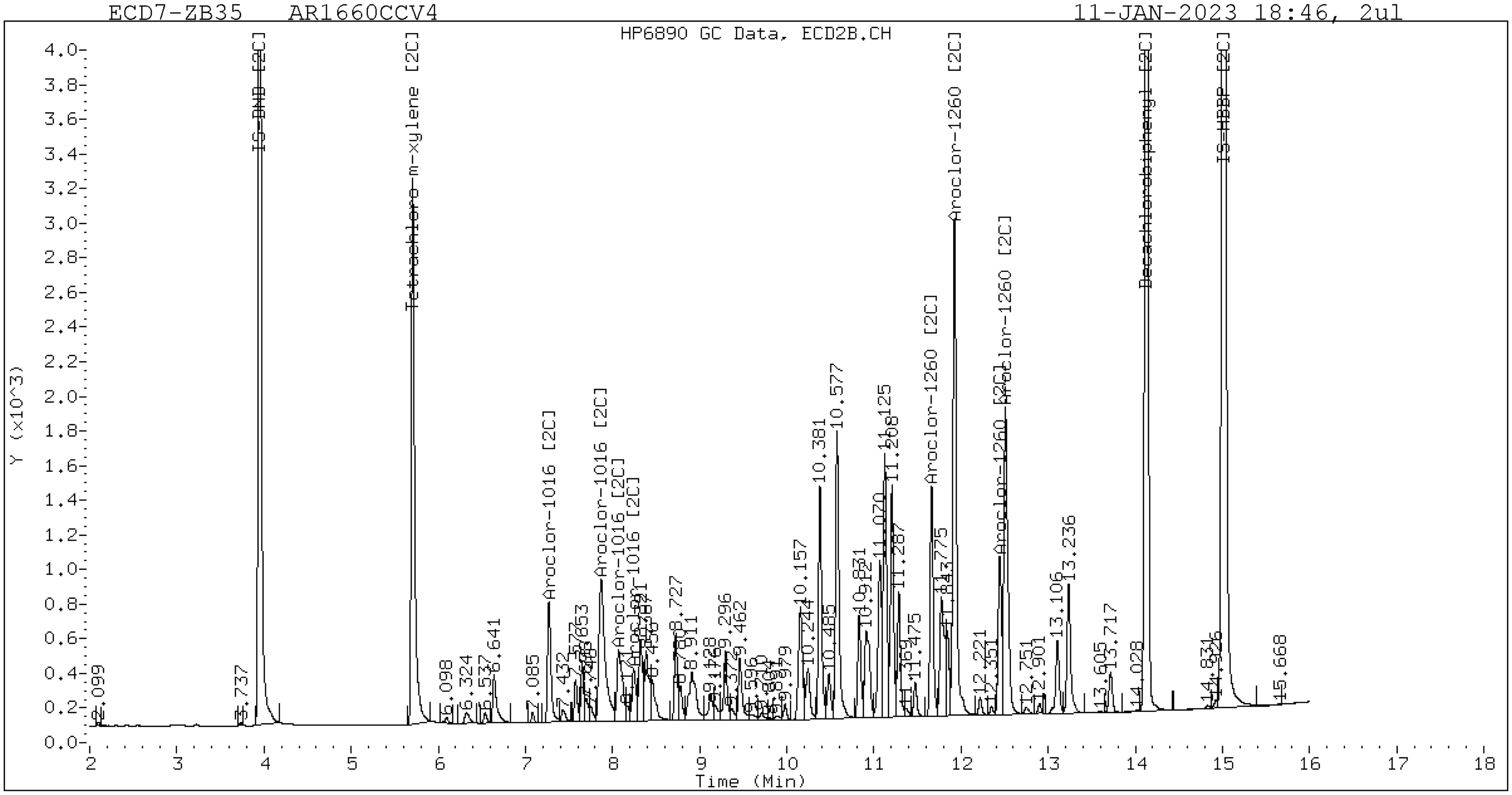
PCB Dual Column Chromatograms

ECD7-ZB5 AR1660CCV4 11-JAN-2023 18:46, 2ul



ZB-5 Manual Integration: NO

ECD7-ZB35 AR1660CCV4 11-JAN-2023 18:46, 2ul



ZB-35 Manual Integration: NO

CONTINUING CALIBRATION CHECK
EPA 8082A

Laboratory: Analytical Resources, LLC
SDG: 22L0307
Client: Anchor QEA, LLC
Project: AOC4 UR Phase 3
Instrument ID: ECD7
Calibration: FL00010
Lab File ID: 01112346ECD7.D
Calibration Date: 12/03/2022
Sequence: SLA0136
Injection Date: 01/12/23
Lab Sample ID: SLA0136-CCV5
Injection Time: 00:43
Sequence Name: AR1254CCV5

		CONC. (ug/L)		RESPONSE FACTOR (RRF)			% DRIFT/DIFF	
COMPOUND	TYPE	STD	CCV	ICAL	CCV	MIN	CCV	LIMIT
Aroclor 1254	A	250.00	264	0.0576965	0.0607882		5.5	+/-20
Aroclor-1254 (1)	A	250.00	264		0.0742619			
Aroclor-1254 (2)	A	250.00	302		0.0330591			
Aroclor-1254 (3)	A	250.00	208		0.0370514			
Aroclor-1254 (4)	A	250.00	275		0.0953882			
Aroclor-1254 (5)	A	250.00	270		0.0641801			
Aroclor 1254 [2C]	A	250.00	271	0.0638047	0.0688199		8.2	+/-20
Aroclor-1254 (1) [2C]	A	250.00	260		0.0536210			
Aroclor-1254 (2) [2C]	A	250.00	273		0.0452890			
Aroclor-1254 (3) [2C]	A	250.00	255		0.0909504			
Aroclor-1254 (4) [2C]	A	250.00	281		0.1036571			
Aroclor-1254 (5) [2C]	A	250.00	284		0.0505818			
Decachlorobiphenyl	A	40.000	41.4	0.7333327	0.7593584		3.5	+/-20
Tetrachlorometaxylene	A	40.000	37.0	1.1336710	1.0485130		-7.5	+/-20
Decachlorobiphenyl [2C]	A	40.000	42.5	1.1358180	1.2068060		6.3	+/-20
Tetrachlorometaxylene [2C]	A	40.000	36.8	1.0966080	1.0099540		-8.0	+/-20

* Values outside of QC limits

* Values outside of QC limits

```
                              Analytical Resources Inc.
                         Dual Column 608/8082 PCB Quantitation Report

Data file 1: /230111.b/01112346ECD7.D                        ARI ID: AR1254CCV5
Data file 2: /230111.b/230111.b/01112346ECD7.D               Client ID:
Method: \\target\share\chem4\ecd7.i\230111.b\PCB.m           Injection Date: 12-JAN-2023 00:43
Compound Sublist: AR1254.sub                                    Report Date: 01/14/2023 13:22
Instrument, Inj. Vol.: ecd7.i, 2ul                           Matrix: NONE
Quant Method: Internal Std                                   Dilution Factor:  1.0



                                 SURROGATES

       ZB5 Col          |       ZB35 Col          |   ZB5    ZB35
  RT    Shift Response | RT    Shift  Response   |  on col  on col    RPD   Compound/Flag
============================================================================================

 5.831  0.000   221329 | 5.707  -0.001   167002|   37.0    36.8      0.4    Tetrachloro-m-xylene
13.902 -0.000   229682 |14.126  -0.001   268448|   41.4    42.5      2.6    Decachlorobiphenyl


*  Indicates RPD > 40%



                            INTERNAL STANDARD SUMMARY

                                        Column 1
                                 Standard    Sample
                  Standard Cpnd       Area*       Area      %D
               --------------------------------------------------
                 Bromo-Nitrobenzene    447645      422177   -5.7
                 Hexabromobiphenyl     798898      604937  -24.3

                                        Column 2
                                 Standard    Sample
                  Standard Cpnd       Area*       Area      %D
               --------------------------------------------------
                 Bromo-Nitrobenzene    249094     330712    32.8
                 Hexabromobiphenyl     362541     444890    22.7


                * Standard Areas taken from Initial Cal Level 3
                  Initial Calibration Date: 03-DEC-2022
               <- Indicates standard response outside Limits (-50 to +100%)
```

```
                              ZB5 Col                                ZB35 Col
 Aroclor    Peak#    RT    Shift    Area    Amount    Peak#   RT     Shift    Area   Amount
 ===========================================================================================
 Aroclor-1254 1   9.314  -0.002     97974   263.6      1    9.460   0.000    55416   259.9
 Aroclor-1254 2   9.393  -0.002     43615   301.7      2    9.979   0.000    46805   273.0
 Aroclor-1254 3   9.684  -0.001     48882   208.2      3   10.132   0.000    93995   255.1
 Aroclor-1254 4   9.822  -0.003    125846   275.0      4   10.380   0.000   107127   280.7
 Aroclor-1254 5  10.186  -0.006     84673   269.9      5   10.577   0.000    52275   284.0
       Total Col1Ave (5 peaks):   263.7       Total Col2Ave (5 peaks):   270.5   RPD = 3
       Corrected Ave (4 peaks):   254.2       Corrected Ave (4 peaks):   267.2   RPD = 5

                     CalAmt %D:     5.5                    CalAmt %D:     8.2




 Total PCB Area Col1 (5.931 - 13.802) =    1257284     Col1 Total PCB = 0.3 ppm*

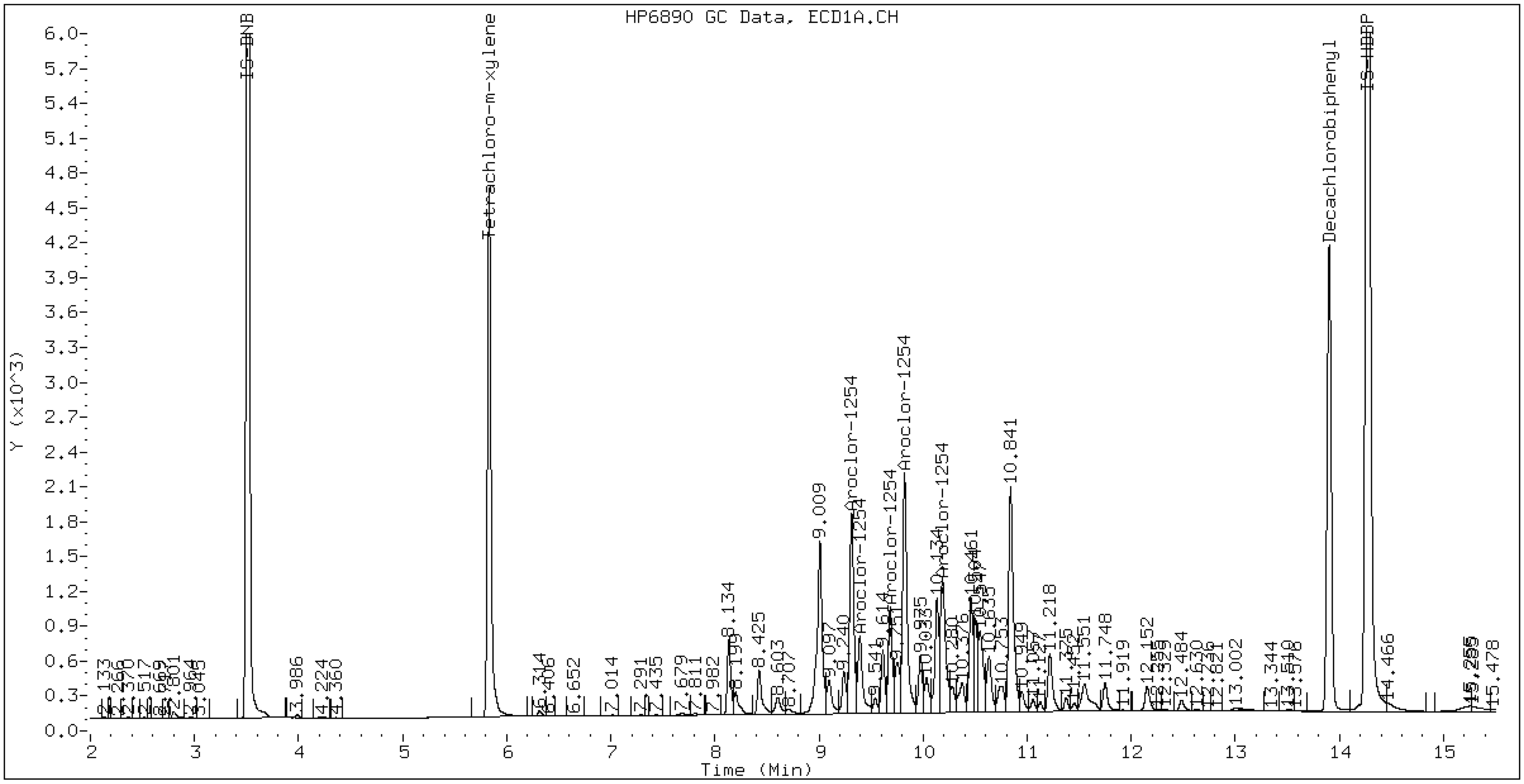
 Total PCB Area Col2 (5.807 - 14.027) =     972424     Col2 Total PCB = 0.3 ppm*


   *  Quantitated against AR1660 0.25ppm in Ical


                                        PCB-Form 10 Mod.
```

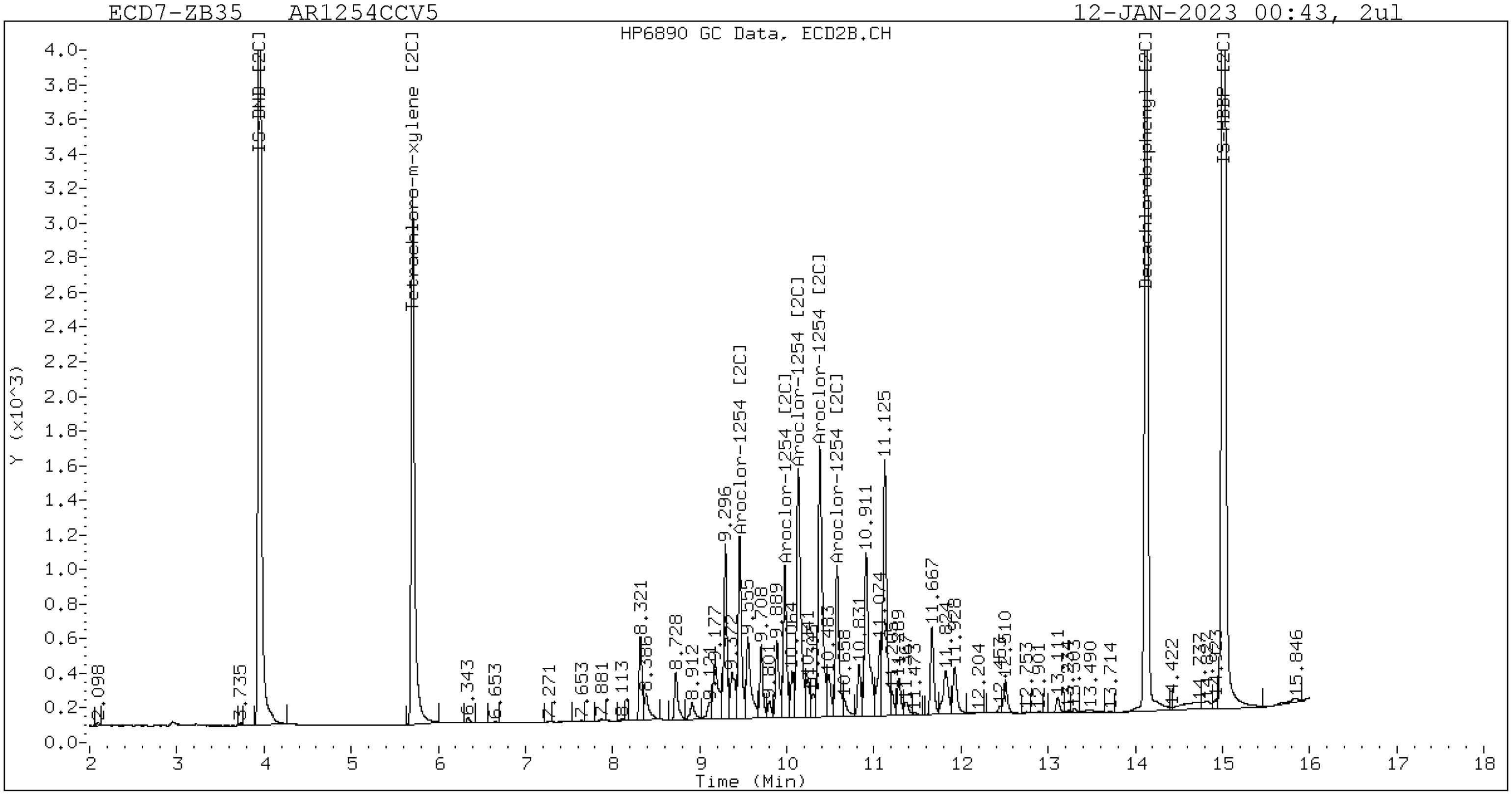
PCB Dual Column Chromatograms

ECD7-ZB5 AR1254CCV5 12-JAN-2023 00:43, 2ul



ZB-5 Manual Integration: NO

ECD7-ZB35 AR1254CCV5 12-JAN-2023 00:43, 2ul



ZB-35 Manual Integration: NO

CONTINUING CALIBRATION CHECK

EPA 8082A

Laboratory:	Analytical Resources, LLC	SDG:	22L0307
Client:	Anchor QEA, LLC	Project:	AOC4 UR Phase 3
Instrument ID:	ECD7	Calibration:	FL00010
Lab File ID:	01112347ECD7.D	Calibration Date:	12/03/2022
Sequence:	SLA0136	Injection Date:	01/12/23
Lab Sample ID:	SLA0136-CCV6	Injection Time:	01:04
Sequence Name:	AR1660CCV6		

COMPOUND	TYPE	CONC. (ug/L)		RESPONSE FACTOR (RRF)			% DRIFT/DIFF	
		STD	CCV	ICAL	CCV	MIN	CCV	LIMIT
Aroclor 1016	A	250.00	277	0.0441939	0.0484368		10.6	+/-20
Aroclor-1016 (1)	A	250.00	273	0.0266860	0.0291073		9.2	
Aroclor-1016 (2)	A	250.00	268	0.0861572	0.0923963		7.2	
Aroclor-1016 (3)	A	250.00	284	0.0390425	0.0442901		13.6	
Aroclor-1016 (4)	A	250.00	281	0.0248899	0.0279536		12.4	
Aroclor 1016 [2C]	A	250.00	254	0.0467310	0.0469357		1.6	+/-20
Aroclor-1016 (1) [2C]	A	250.00	254	0.0409030	0.0415867		1.6	
Aroclor-1016 (2) [2C]	A	250.00	247	0.0882154	0.0871976		-1.2	
Aroclor-1016 (3) [2C]	A	250.00	250	0.0378846	0.0378169		0.0	
Aroclor-1016 (4) [2C]	A	250.00	265	0.0199212	0.0211413		6.0	
Aroclor 1260	A	250.00	319	0.0390342	0.0497256		27.8	+/-20 *
Aroclor-1260 (1)	A	250.00	326	0.0291201	0.0380255		30.4	
Aroclor-1260 (2)	A	250.00	325	0.0301181	0.0391694		30.0	
Aroclor-1260 (3)	A	250.00	317	0.0791351	0.1004971		26.8	
Aroclor-1260 (4)	A	250.00	308	0.0403003	0.0497262		23.2	
Aroclor-1260 (5)	A	250.00	321	0.0164974	0.0212096		28.4	
Aroclor 1260 [2C]	A	250.00	263	0.0617619	0.0643563		5.2	+/-20
Aroclor-1260 (1) [2C]	A	250.00	263	0.0422283	0.0444217		5.2	
Aroclor-1260 (2) [2C]	A	250.00	255	0.1059643	0.1079725		2.0	
Aroclor-1260 (3) [2C]	A	250.00	271	0.0282173	0.0305917		8.4	
Aroclor-1260 (4) [2C]	A	250.00	263	0.0706376	0.0744394		5.2	
Decachlorobiphenyl	A	40.000	44.4	0.7333327	0.8132054		11.0	+/-20
Tetrachlorometaxylene	A	40.000	42.3	1.1336710	1.1983000		5.8	+/-20
Decachlorobiphenyl [2C]	A	40.000	41.3	1.1358180	1.1739830		3.3	+/-20
Tetrachlorometaxylene [2C]	A	40.000	41.6	1.0966080	1.1401370		4.0	+/-20

* Values outside of QC limits

* Values outside of QC limits

```
                              Analytical Resources Inc.
                         Dual Column 608/8082 PCB Quantitation Report

Data file 1: /230111.b/01112347ECD7.D                  ARI ID: AR1660CCV6
Data file 2: /230111.b/230111.b/01112347ECD7.D         Client ID:
Method: \\target\share\chem4\ecd7.i\230111.b\PCB.m     Injection Date: 12-JAN-2023 01:04
Compound Sublist: AR1660.sub                              Report Date: 01/14/2023 13:22
Instrument, Inj. Vol.: ecd7.i, 2ul                     Matrix: NONE
Quant Method: Internal Std                             Dilution Factor:  1.0



                                 SURROGATES

       ZB5 Col          |       ZB35 Col          |   ZB5    ZB35
  RT    Shift Response  | RT    Shift  Response   |  on col  on col    RPD   Compound/Flag
============================================================================================

  5.831  0.000   238796 | 5.707  -0.000   176431|   42.3    41.6      1.7    Tetrachloro-m-xylene
 13.902  0.000   262077 |14.127   0.000   268662|   44.4    41.3      7.0    Decachlorobiphenyl


*  Indicates RPD > 40%



                            INTERNAL STANDARD SUMMARY

                                        Column 1
                                 Standard    Sample
                 Standard Cpnd     Area*       Area      %D
               --------------------------------------------------
                 Bromo-Nitrobenzene    447645      398558  -11.0
                 Hexabromobiphenyl     798898      644553  -19.3

                                        Column 2
                                 Standard    Sample
                 Standard Cpnd     Area*       Area      %D
               --------------------------------------------------
                 Bromo-Nitrobenzene    249094     309491    24.2
                 Hexabromobiphenyl     362541     457693    26.2


                * Standard Areas taken from Initial Cal Level 3
                  Initial Calibration Date: 03-DEC-2022
               <- Indicates standard response outside Limits (-50 to +100%)
```

```
//target/share/chem4/ecd7.i/230111.b/01112347ECD7.D      AR1660CCV6                   page 2
                             ZB5 Col                             ZB35 Col
 Aroclor   Peak#    RT    Shift    Area    Amount    Peak#   RT     Shift    Area   Amount
 =========================================================================================
 Aroclor-1016 1   7.289  -0.000     36253   272.7      1    7.271  -0.000    40221   254.2
 Aroclor-1016 2   7.677  -0.002    115079   268.1      2    7.871   0.000    84334   247.1
 Aroclor-1016 3   7.812   0.000     55163   283.6      3    8.069  -0.001    36575   249.6
 Aroclor-1016 4   8.422  -0.000     34816   280.8      4    8.241  -0.000    20447   265.3
       Total Col1Ave (4 peaks):   276.3       Total Col2Ave (4 peaks):   254.0   RPD = 8
       Corrected Ave (3 peaks):   273.9       Corrected Ave (3 peaks):   250.3   RPD = 9

                     CalAmt %D:    10.5                     CalAmt %D:     1.6

 Aroclor-1260 1  11.057  -0.001     76592   326.5      1   11.661  -0.000    63536   263.0
 Aroclor-1260 2  11.373  -0.001     78896   325.1      2   11.924  -0.001   154432   254.7
 Aroclor-1260 3  11.745  -0.002    202424   317.5      3   12.443  -0.001    43755   271.0
 Aroclor-1260 4  12.151  -0.002    100160   308.5      4   12.508  -0.002   106470   263.5
 Aroclor-1260 5  12.255  -0.001     42721   321.4      NS    ---                      ----
       Total Col1Ave (5 peaks):   319.8       Total Col2Ave (4 peaks):   263.1   RPD = 19
       Corrected Ave (4 peaks):   318.1       Corrected Ave (3 peaks):   260.4   RPD = 20

                     CalAmt %D:    27.9                     CalAmt %D:     5.2




 Total PCB Area Col1 (5.931 - 13.802) =    2211917     Col1 Total PCB = 0.6 ppm*

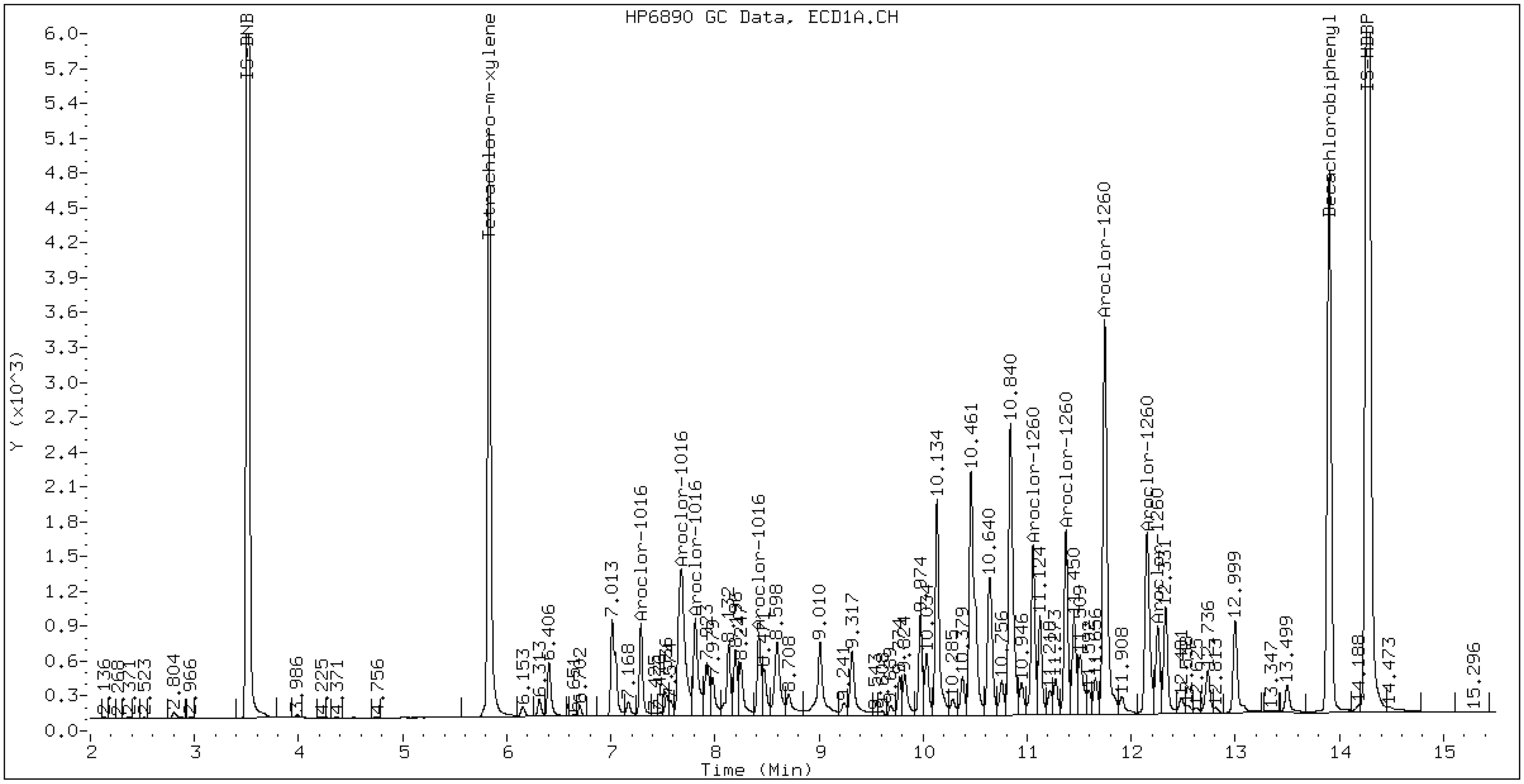
 Total PCB Area Col2 (5.807 - 14.027) =    1533610     Col2 Total PCB = 0.5 ppm*


   *  Quantitated against AR1660 0.25ppm in Ical


                                       PCB-Form 10 Mod.
```

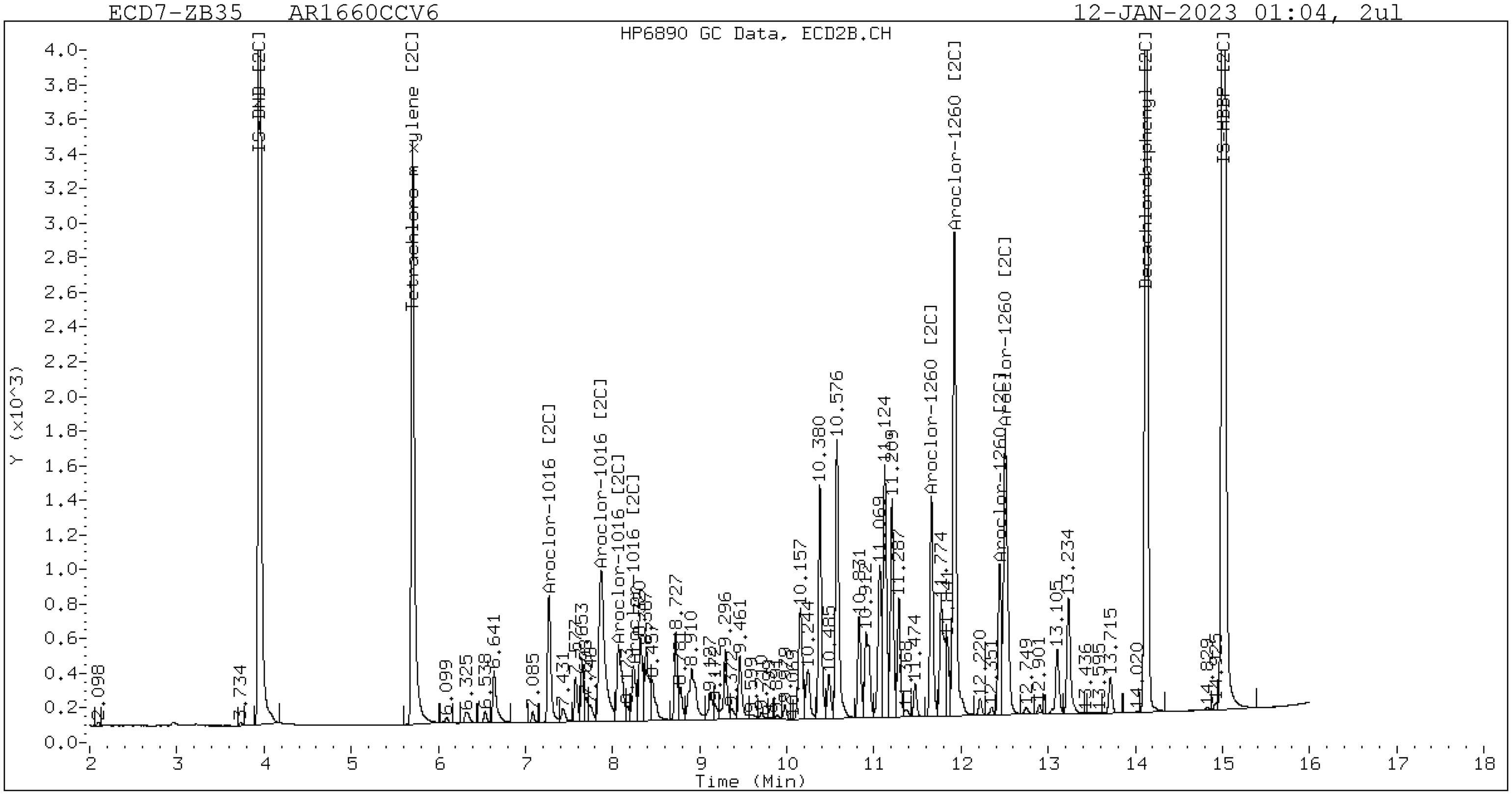
PCB Dual Column Chromatograms

ECD7-ZB5 AR1660CCV6 12-JAN-2023 01:04, 2ul



ZB-5 Manual Integration: NO

ECD7-ZB35 AR1660CCV6 12-JAN-2023 01:04, 2ul



ZB-35 Manual Integration: NO

CONTINUING CALIBRATION CHECK

EPA 8082A

Laboratory: Analytical Resources, LLC

SDG: 22L0307

Client: Anchor QEA, LLC

Project: AOC4 UR Phase 3

Instrument ID: ECD7

Calibration: FL00010

Lab File ID: 01112359ECD7.D

Calibration Date: 12/03/2022

Sequence: SLA0136

Injection Date: 01/12/23

Lab Sample ID: SLA0136-CCV7

Injection Time: 05:17

Sequence Name: AR1248CCV7

		CONC. (ug/L)		RESPONSE FACTOR (RRF)			% DRIFT/DIFF	
COMPOUND	TYPE	STD	CCV	ICAL	CCV	MIN	CCV	LIMIT
Aroclor 1248	A	250.00	277	0.0490062	0.0562444		10.8	+/-20
Aroclor-1248 (1)	A	250.00	283		0.0389967			
Aroclor-1248 (2)	A	250.00	302		0.0529896			
Aroclor-1248 (3)	A	250.00	322		0.1018439			
Aroclor-1248 (4)	A	250.00	201		0.0311476			
Aroclor 1248 [2C]	A	250.00	268	0.0394876	0.0426593		7.1	+/-20
Aroclor-1248 (1) [2C]	A	250.00	273		0.0356515			
Aroclor-1248 (2) [2C]	A	250.00	227		0.0311569			
Aroclor-1248 (3) [2C]	A	250.00	290		0.0485874			
Aroclor-1248 (4) [2C]	A	250.00	281		0.0552417			
Decachlorobiphenyl	A	40.000	41.6	0.7333327	0.7630693		4.0	+/-20
Tetrachlorometaxylene	A	40.000	37.3	1.1336710	1.0564740		-6.8	+/-20
Decachlorobiphenyl [2C]	A	40.000	41.0	1.1358180	1.1643490		2.5	+/-20
Tetrachlorometaxylene [2C]	A	40.000	37.7	1.0966080	1.0331250		-5.8	+/-20

* Values outside of QC limits

* Values outside of QC limits

```
                              Analytical Resources Inc.
                         Dual Column 608/8082 PCB Quantitation Report

Data file 1: /230111.b/01112359ECD7.D                        ARI ID: AR1248CCV7
Data file 2: /230111.b/230111.b/01112359ECD7.D               Client ID:
Method: \\target\share\chem4\ecd7.i\230111.b\PCB.m           Injection Date: 12-JAN-2023 05:17
Compound Sublist: AR1248.sub                                    Report Date: 01/14/2023 13:22
Instrument, Inj. Vol.: ecd7.i, 2ul                           Matrix: NONE
Quant Method: Internal Std                                   Dilution Factor:  1.0



                                 SURROGATES

       ZB5 Col          |        ZB35 Col          |   ZB5    ZB35
  RT    Shift Response | RT    Shift  Response   |  on col  on col    RPD   Compound/Flag
============================================================================================

  5.831  0.000   214022 | 5.708   0.000   161417|   37.3    37.7      1.1    Tetrachloro-m-xylene
13.902  0.000   310673 |14.127  -0.000   303083|   41.6    41.0      1.5    Decachlorobiphenyl


*  Indicates RPD > 40%



                            INTERNAL STANDARD SUMMARY

                                        Column 1
                                 Standard    Sample
                   Standard Cpnd       Area*       Area      %D
               ---------------------------------------------------
                 Bromo-Nitrobenzene    447645      405163   -9.5
                 Hexabromobiphenyl     798898      814272    1.9

                                        Column 2
                                 Standard    Sample
                   Standard Cpnd       Area*       Area      %D
               ---------------------------------------------------
                 Bromo-Nitrobenzene    249094     312483    25.4
                 Hexabromobiphenyl     362541     520605    43.6


                * Standard Areas taken from Initial Cal Level 3
                  Initial Calibration Date: 03-DEC-2022
               <- Indicates standard response outside Limits (-50 to +100%)
```

```
                            ZB5 Col                                 ZB35 Col
 Aroclor    Peak#    RT    Shift    Area    Amount    Peak#   RT     Shift    Area   Amount
 ==========================================================================================
 Aroclor-1248 1   8.423  -0.001     49375   283.4      1    8.321   0.000    34814   272.7
 Aroclor-1248 2   8.599  -0.001     67092   301.6      2    8.727   0.000    30425   226.6
 Aroclor-1248 3   9.018   0.002    128948   322.3      3    9.174   0.000    47446   290.5
 Aroclor-1248 4   9.310   0.000     39437   201.2      4    9.598   0.000    53944   281.4
       Total Col1Ave (4 peaks):   277.1       Total Col2Ave (4 peaks):   267.8   RPD = 3
       Corrected Ave (3 peaks):   262.1       Corrected Ave (3 peaks):   260.2   RPD = 1

                     CalAmt %D:    10.9                    CalAmt %D:     7.1




 Total PCB Area Col1 (5.931 - 13.802) =    1054779     Col1 Total PCB = 0.3 ppm*

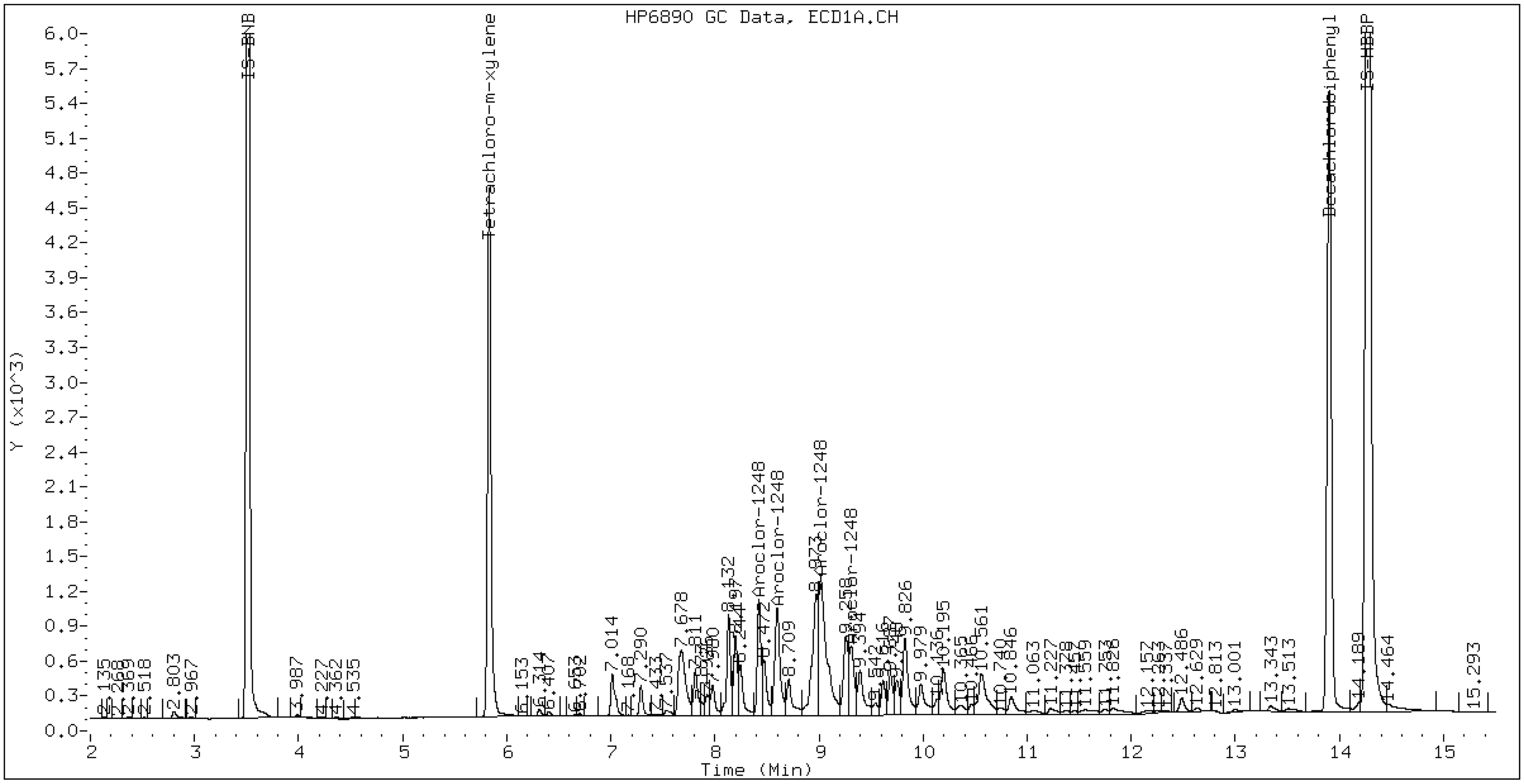
 Total PCB Area Col2 (5.807 - 14.027) =     691493     Col2 Total PCB = 0.2 ppm*


   *  Quantitated against AR1660 0.25ppm in Ical


                                        PCB-Form 10 Mod.
```

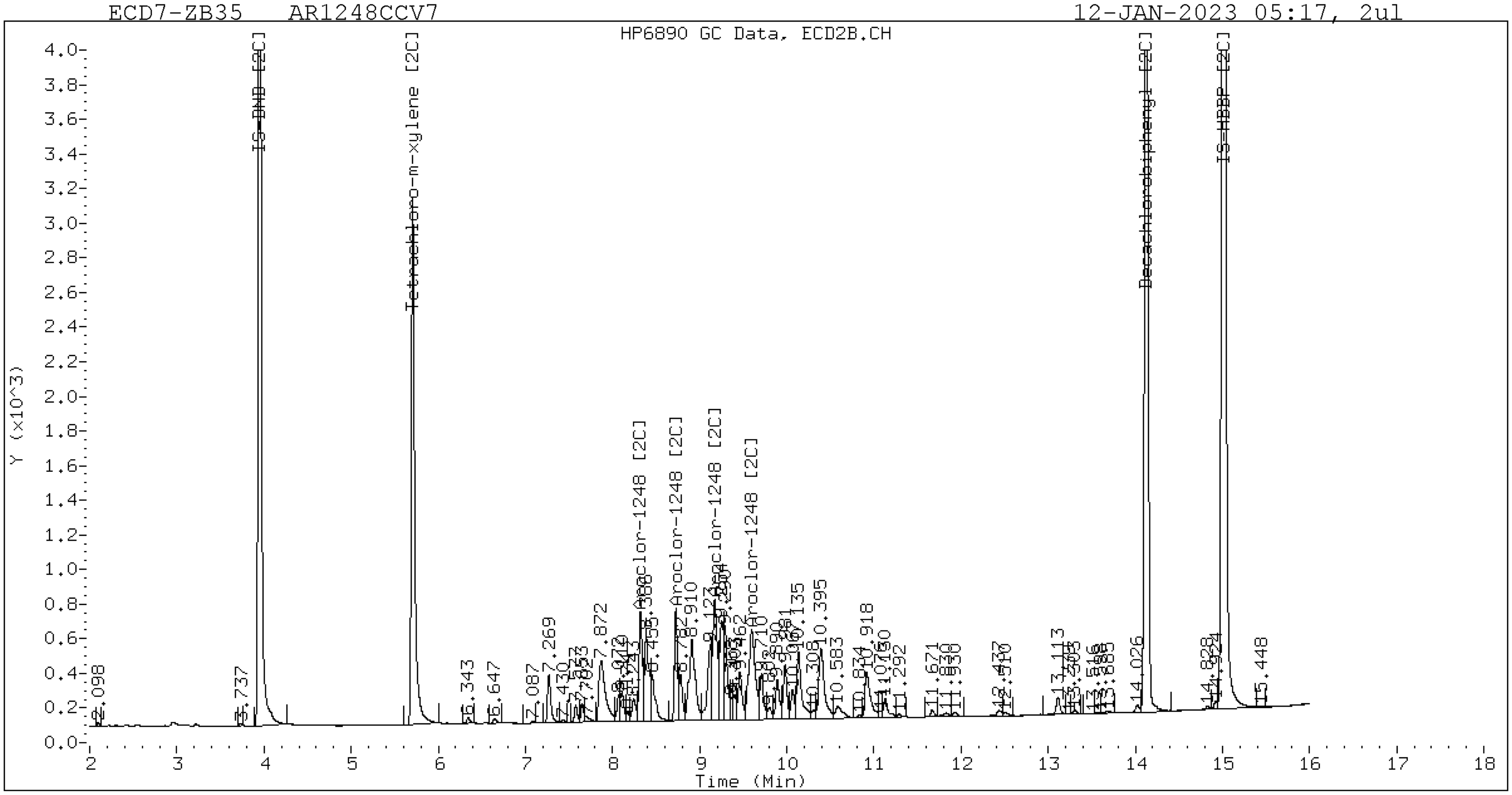
PCB Dual Column Chromatograms

ECD7-ZB5 AR1248CCV7 12-JAN-2023 05:17, 2ul



ZB-5 Manual Integration: NO

ECD7-ZB35 AR1248CCV7 12-JAN-2023 05:17, 2ul



ZB-35 Manual Integration: NO

CONTINUING CALIBRATION CHECK

EPA 8082A

Laboratory: Analytical Resources, LLC
SDG: 22L0307
Client: Anchor QEA, LLC
Project: AOC4 UR Phase 3
Instrument ID: ECD7
Calibration: FL00010
Lab File ID: 01112360ECD7.D
Calibration Date: 12/03/2022
Sequence: SLA0136
Injection Date: 01/12/23
Lab Sample ID: SLA0136-CCV8
Injection Time: 05:38
Sequence Name: AR1660CCV8

		CONC. (ug/L)		RESPONSE FACTOR (RRF)			% DRIFT/DIFF	
COMPOUND	TYPE	STD	CCV	ICAL	CCV	MIN	CCV	LIMIT
Aroclor 1016	A	250.00	284	0.0441939	0.0495915		13.4	+/-20
Aroclor-1016 (1)	A	250.00	275	0.0266860	0.0293753		10.0	
Aroclor-1016 (2)	A	250.00	273	0.0861572	0.0941452		9.2	
Aroclor-1016 (3)	A	250.00	291	0.0390425	0.0454537		16.4	
Aroclor-1016 (4)	A	250.00	295	0.0248899	0.0293920		18.0	
Aroclor 1016 [2C]	A	250.00	257	0.0467310	0.0473682		2.6	+/-20
Aroclor-1016 (1) [2C]	A	250.00	253	0.0409030	0.0413374		1.2	
Aroclor-1016 (2) [2C]	A	250.00	250	0.0882154	0.0881882		0.0	
Aroclor-1016 (3) [2C]	A	250.00	255	0.0378846	0.0386293		2.0	
Aroclor-1016 (4) [2C]	A	250.00	268	0.0199212	0.0213178		7.2	
Aroclor 1260	A	250.00	288	0.0390342	0.0447861		15.0	+/-20
Aroclor-1260 (1)	A	250.00	289	0.0291201	0.0336195		15.6	
Aroclor-1260 (2)	A	250.00	292	0.0301181	0.0351303		16.8	
Aroclor-1260 (3)	A	250.00	287	0.0791351	0.0909342		14.8	
Aroclor-1260 (4)	A	250.00	280	0.0403003	0.0450953		12.0	
Aroclor-1260 (5)	A	250.00	290	0.0164974	0.0191512		16.0	
Aroclor 1260 [2C]	A	250.00	252	0.0617619	0.0616769		0.9	+/-20
Aroclor-1260 (1) [2C]	A	250.00	253	0.0422283	0.0427318		1.2	
Aroclor-1260 (2) [2C]	A	250.00	243	0.1059643	0.1030720		-2.8	
Aroclor-1260 (3) [2C]	A	250.00	260	0.0282173	0.0293841		4.0	
Aroclor-1260 (4) [2C]	A	250.00	253	0.0706376	0.0715196		1.2	
Decachlorobiphenyl	A	40.000	43.0	0.7333327	0.7888086		7.5	+/-20
Tetrachlorometaxylene	A	40.000	41.9	1.1336710	1.1865730		4.8	+/-20
Decachlorobiphenyl [2C]	A	40.000	41.6	1.1358180	1.1826410		4.0	+/-20
Tetrachlorometaxylene [2C]	A	40.000	40.5	1.0966080	1.1105490		1.3	+/-20

* Values outside of QC limits

* Values outside of QC limits

```
                              Analytical Resources Inc.
                         Dual Column 608/8082 PCB Quantitation Report

Data file 1: /230111.b/01112360ECD7.D                  ARI ID: AR1660CCV8
Data file 2: /230111.b/230111.b/01112360ECD7.D         Client ID:
Method: \\target\share\chem4\ecd7.i\230111.b\PCB.m     Injection Date: 12-JAN-2023 05:38
Compound Sublist: AR1660.sub                              Report Date: 01/14/2023 13:22
Instrument, Inj. Vol.: ecd7.i, 2ul                     Matrix: NONE
Quant Method: Internal Std                             Dilution Factor:  1.0



                                 SURROGATES

       ZB5 Col          |       ZB35 Col         |   ZB5    ZB35
  RT    Shift Response | RT    Shift  Response  |  on col  on col    RPD   Compound/Flag
==========================================================================================

 5.831  0.000   239298 | 5.707  -0.000   173289|   41.9    40.5      3.3    Tetrachloro-m-xylene
13.902 -0.000   318937 |14.128   0.001   306835|   43.0    41.6      3.3    Decachlorobiphenyl


*  Indicates RPD > 40%




                            INTERNAL STANDARD SUMMARY

                                        Column 1
                                 Standard    Sample
                 Standard Cpnd      Area*       Area      %D
              --------------------------------------------------
                Bromo-Nitrobenzene    447645      403343   -9.9
                Hexabromobiphenyl     798898      808655    1.2

                                        Column 2
                                 Standard    Sample
                 Standard Cpnd      Area*       Area      %D
              --------------------------------------------------
                Bromo-Nitrobenzene    249094     312078    25.3
                Hexabromobiphenyl     362541     518898    43.1


               * Standard Areas taken from Initial Cal Level 3
                 Initial Calibration Date: 03-DEC-2022
              <- Indicates standard response outside Limits (-50 to +100%)
```

```
//target/share/chem4/ecd7.i/230111.b/01112360ECD7.D      AR1660CCV8                        page 2
                            ZB5 Col                               ZB35 Col
 Aroclor    Peak#    RT    Shift    Area    Amount    Peak#   RT     Shift    Area   Amount
 ==========================================================================================
 Aroclor-1016 1   7.289  -0.000     37026   275.2      1    7.270  -0.001    40314   252.7
 Aroclor-1016 2   7.677  -0.002    118665   273.2      2    7.870  -0.000    86005   249.9
 Aroclor-1016 3   7.811  -0.001     57292   291.1      3    8.070   0.000    37673   254.9
 Aroclor-1016 4   8.422  -0.001     37047   295.2      4    8.240  -0.001    20790   267.5
       Total Col1Ave (4 peaks):   283.7       Total Col2Ave (4 peaks):   256.3   RPD = 10
       Corrected Ave (3 peaks):   279.8       Corrected Ave (3 peaks):   252.5   RPD = 10

                     CalAmt %D:    13.5                     CalAmt %D:     2.5

 Aroclor-1260 1  11.056  -0.001     84958   288.6      1   11.662   0.001    69292   253.0
 Aroclor-1260 2  11.372  -0.002     88776   291.6      2   11.925  -0.000   167137   243.2
 Aroclor-1260 3  11.745  -0.002    229795   287.3      3   12.443  -0.001    47648   260.3
 Aroclor-1260 4  12.151  -0.003    113958   279.7      4   12.509  -0.000   115973   253.1
 Aroclor-1260 5  12.254  -0.002     48396   290.2      NS    ---                      ----
       Total Col1Ave (5 peaks):   287.5       Total Col2Ave (4 peaks):   252.4   RPD = 13
       Corrected Ave (4 peaks):   286.5       Corrected Ave (3 peaks):   249.8   RPD = 14

                     CalAmt %D:    15.0                     CalAmt %D:     1.0




 Total PCB Area Col1 (5.931 - 13.802) =    2414946     Col1 Total PCB = 0.6 ppm*

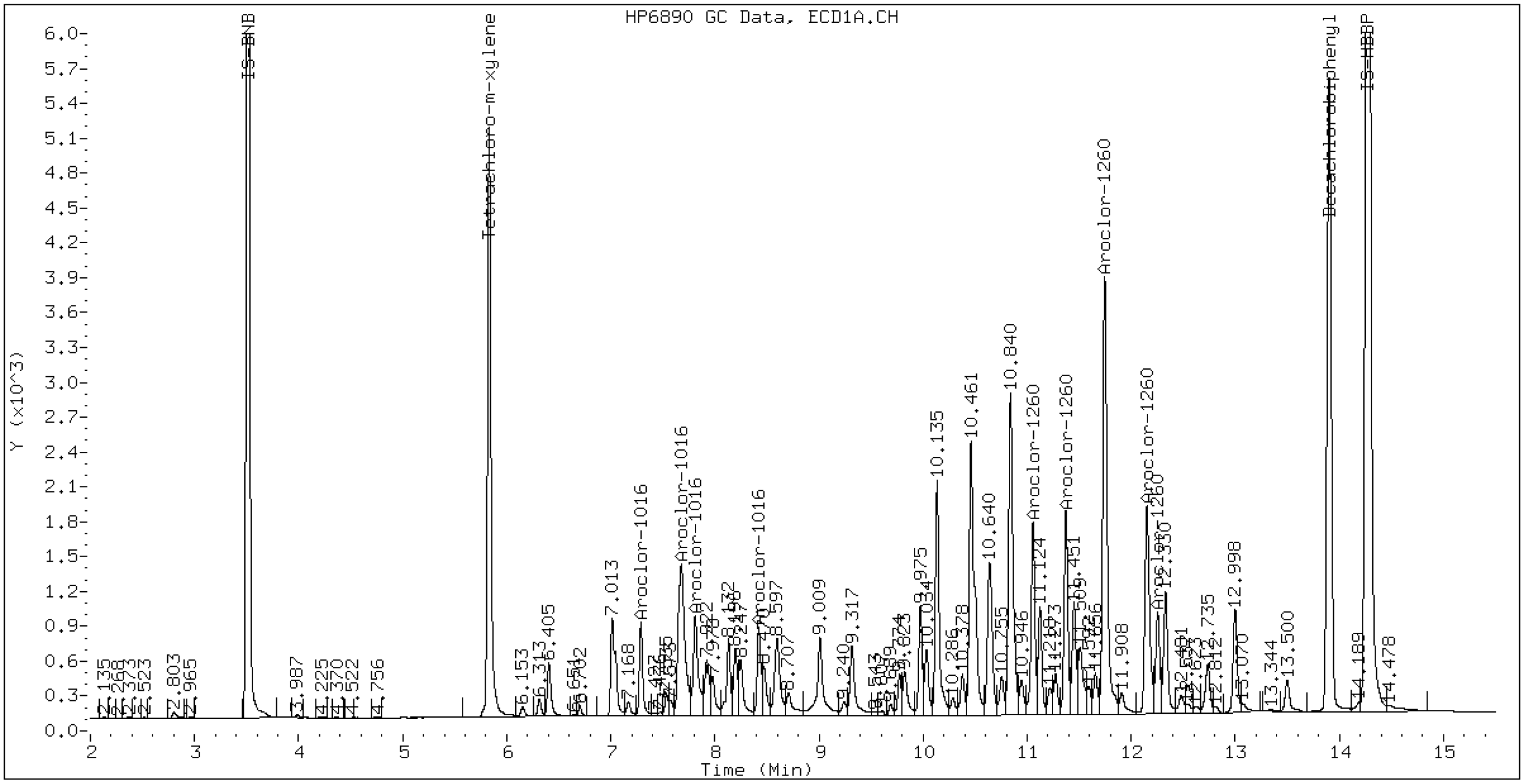
 Total PCB Area Col2 (5.807 - 14.027) =    1636225     Col2 Total PCB = 0.6 ppm*


   *  Quantitated against AR1660 0.25ppm in Ical


                                        PCB-Form 10 Mod.
```

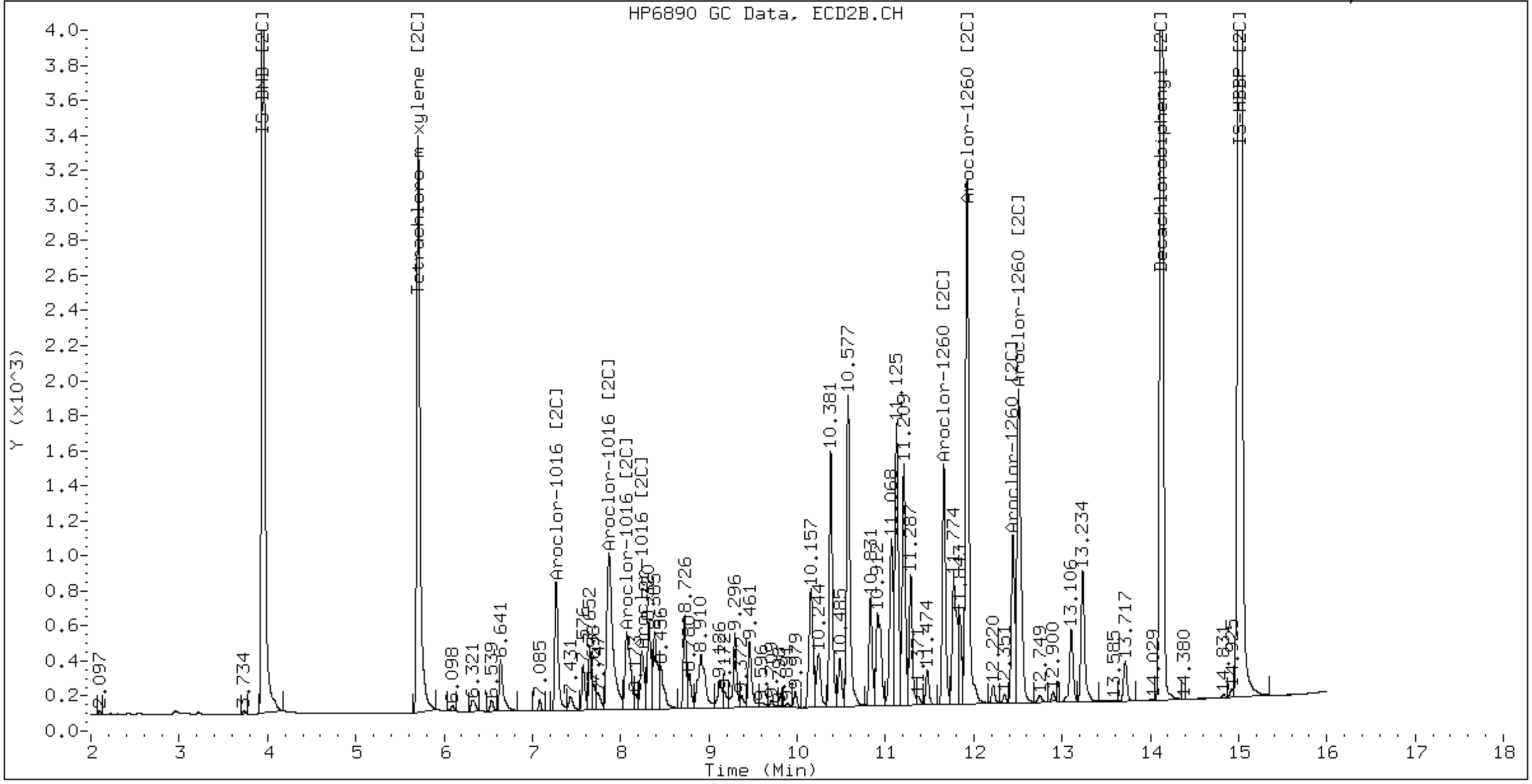
PCB Dual Column Chromatograms

ECD7-ZB5 AR1660CCV8 12-JAN-2023 05:38, 2ul



ZB-5 Manual Integration: NO

ECD7-ZB35 AR1660CCV8 12-JAN-2023 05:38, 2ul



ZB-35 Manual Integration: NO

CONTINUING CALIBRATION CHECK
EPA 8082A

Laboratory:	Analytical Resources, LLC	SDG:	22L0307
Client:	Anchor QEA, LLC	Project:	AOC4 UR Phase 3
Instrument ID:	ECD7	Calibration:	FL00010
Lab File ID:	01112374ECD7.D	Calibration Date:	12/03/2022
Sequence:	SLA0136	Injection Date:	01/12/23
Lab Sample ID:	SLA0136-CCV9	Injection Time:	10:33
Sequence Name:	AR1242CCV9		

COMPOUND	TYPE	CONC. (ug/L)		RESPONSE FACTOR (RRF)			% DRIFT/DIFF	
		STD	CCV	ICAL	CCV	MIN	CCV	LIMIT
Aroclor 1242	A	250.00	287	0.0396000	0.0453334		14.9	+/-20
Aroclor-1242 (1)	A	250.00	270		0.0245075			
Aroclor-1242 (2)	A	250.00	266		0.0765524			
Aroclor-1242 (3)	A	250.00	283		0.0234507			
Aroclor-1242 (4)	A	250.00	330		0.0568230			
Aroclor 1242 [2C]	A	250.00	275	0.0391981	0.0422874		9.8	+/-20
Aroclor-1242 (1) [2C]	A	250.00	257		0.0347896			
Aroclor-1242 (2) [2C]	A	250.00	262		0.0751991			
Aroclor-1242 (3) [2C]	A	250.00	286		0.0265318			
Aroclor-1242 (4) [2C]	A	250.00	293		0.0326292			
Decachlorobiphenyl	A	40.000	39.6	0.7333327	0.7263718		-1.0	+/-20
Tetrachlorometaxylene	A	40.000	38.8	1.1336710	1.1003940		-3.0	+/-20
Decachlorobiphenyl [2C]	A	40.000	39.7	1.1358180	1.1270300		-0.8	+/-20
Tetrachlorometaxylene [2C]	A	40.000	38.2	1.0966080	1.0485860		-4.5	+/-20

* Values outside of QC limits

```
                                  Analytical Resources Inc.
                             Dual Column 608/8082 PCB Quantitation Report

 Data file 1: /230111.b/01112374ECD7.D                        ARI ID: AR1242CCV9
 Data file 2: /230111.b/230111.b/01112374ECD7.D               Client ID:
 Method: \\target\share\chem4\ecd7.i\230111.b\PCB.m           Injection Date: 12-JAN-2023 10:33
 Compound Sublist: AR1242.sub                                    Report Date: 01/14/2023 13:23
 Instrument, Inj. Vol.: ecd7.i, 2ul                           Matrix: NONE
 Quant Method: Internal Std                                   Dilution Factor:  1.0



                                     SURROGATES

        ZB5 Col         |        ZB35 Col         |   ZB5    ZB35
   RT    Shift Response | RT    Shift  Response   |  on col  on col    RPD   Compound/Flag
 ==========================================================================================

  5.832  0.001   228898 | 5.709   0.001   166580|   38.8    38.2      1.5    Tetrachloro-m-xylene
 13.903  0.001   362587 |14.128   0.001   346786|   39.6    39.7      0.2    Decachlorobiphenyl


*  Indicates RPD > 40%



                                INTERNAL STANDARD SUMMARY

                                            Column 1
                                     Standard    Sample
                   Standard Cpnd       Area*       Area      %D
               --------------------------------------------------
                 Bromo-Nitrobenzene    447645      416029   -7.1
                 Hexabromobiphenyl     798898      998351   25.0

                                            Column 2
                                     Standard    Sample
                   Standard Cpnd       Area*       Area      %D
               --------------------------------------------------
                 Bromo-Nitrobenzene    249094     317723    27.6
                 Hexabromobiphenyl     362541     615398    69.7


                * Standard Areas taken from Initial Cal Level 3
                  Initial Calibration Date: 03-DEC-2022
               <- Indicates standard response outside Limits (-50 to +100%)
```

```
                           ZB5 Col                                 ZB35 Col
 Aroclor   Peak#    RT    Shift    Area    Amount    Peak#   RT     Shift    Area   Amount
 =========================================================================================
 Aroclor-1242 1   7.290  -0.001     31862   270.2      1    7.272   0.000    34542   256.9
 Aroclor-1242 2   7.680  -0.002     99525   265.8      2    7.873   0.000    74664   261.6
 Aroclor-1242 3   8.425  -0.001     30488   283.0      3    9.179   0.000    26343   286.0
 Aroclor-1242 4   9.019   0.001     73875   330.3      4    9.605   0.000    32397   292.7
       Total Col1Ave (4 peaks):   287.3       Total Col2Ave (4 peaks):   274.3   RPD = 5
       Corrected Ave (3 peaks):   273.0       Corrected Ave (3 peaks):   268.2   RPD = 2

                    CalAmt %D:    14.9                    CalAmt %D:     9.7




 Total PCB Area Col1 (5.931 - 13.802) =     836025     Col1 Total PCB = 0.2 ppm*

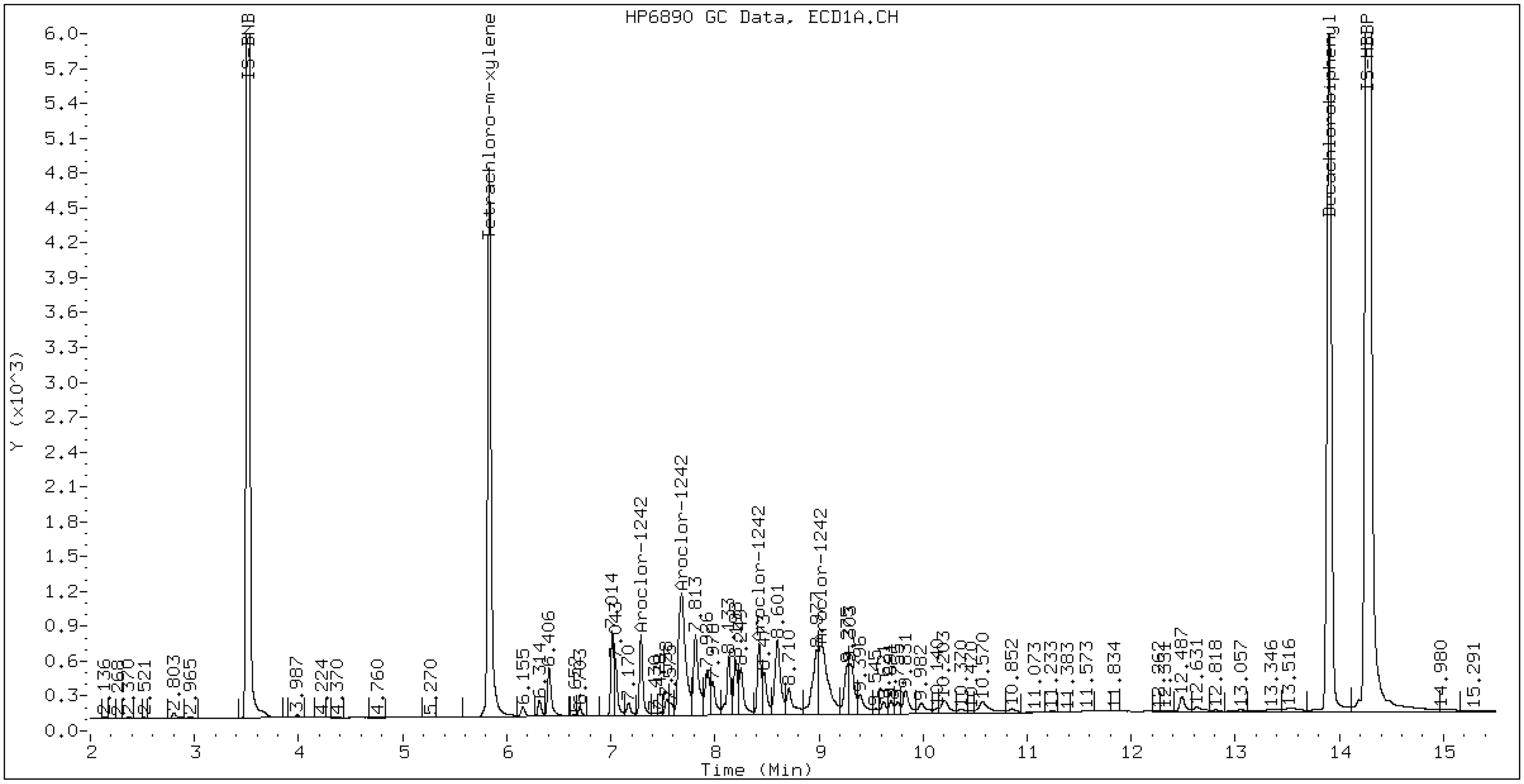
 Total PCB Area Col2 (5.807 - 14.027) =     561180     Col2 Total PCB = 0.2 ppm*

   *  Quantitated against AR1660 0.25ppm in Ical

                                        PCB-Form 10 Mod.
```

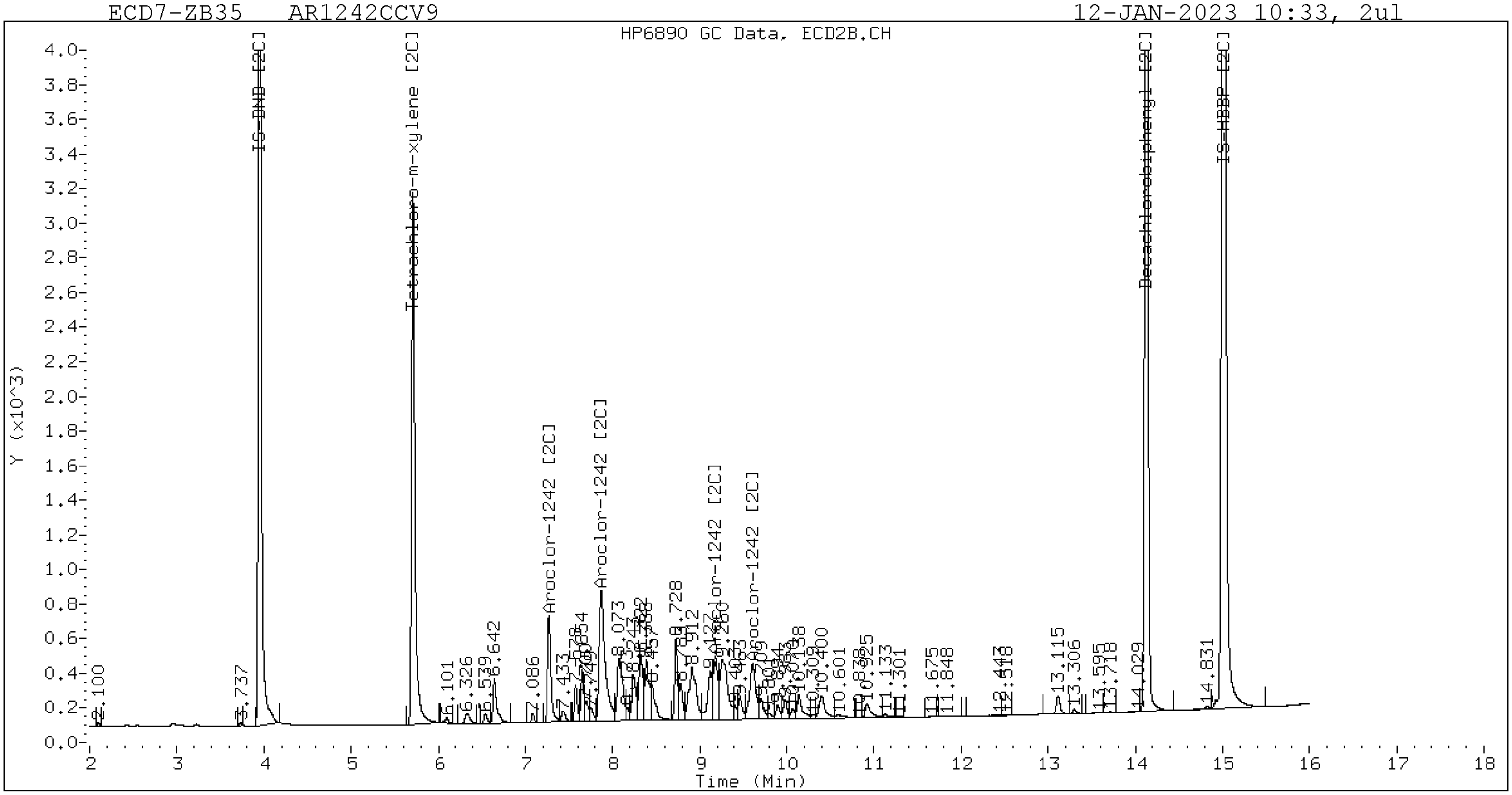
PCB Dual Column Chromatograms

ECD7-ZB5 AR1242CCV9 12-JAN-2023 10:33, 2ul



ZB-5 Manual Integration: NO

ECD7-ZB35 AR1242CCV9 12-JAN-2023 10:33, 2ul



ZB-35 Manual Integration: NO

Analytical Resources, LLC
Analytical Chemists and Consultants

CONTINUING CALIBRATION CHECK

EPA 8082A

Laboratory:	Analytical Resources, LLC	SDG:	22L0307
Client:	Anchor QEA, LLC	Project:	AOC4 UR Phase 3
Instrument ID:	ECD7	Calibration:	FL00010
Lab File ID:	01112375ECD7.D	Calibration Date:	12/03/2022
Sequence:	SLA0136	Injection Date:	01/12/23
Lab Sample ID:	SLA0136-CCVA	Injection Time:	10:54
Sequence Name:	AR1660CCVA		

COMPOUND	TYPE	CONC. (ug/L)		RESPONSE FACTOR (RRF)			% DRIFT/DIFF	
		STD	CCV	ICAL	CCV	MIN	CCV	LIMIT
Aroclor 1016	A	250.00	282	0.0441939	0.0492889		12.9	+/-20
Aroclor-1016 (1)	A	250.00	272	0.0266860	0.0290696		8.8	
Aroclor-1016 (2)	A	250.00	271	0.0861572	0.0933278		8.4	
Aroclor-1016 (3)	A	250.00	290	0.0390425	0.0453148		16.0	
Aroclor-1016 (4)	A	250.00	296	0.0248899	0.0294433		18.4	
Aroclor 1016 [2C]	A	250.00	257	0.0467310	0.0475834		2.9	+/-20
Aroclor-1016 (1) [2C]	A	250.00	252	0.0409030	0.0412267		0.8	
Aroclor-1016 (2) [2C]	A	250.00	251	0.0882154	0.0886282		0.4	
Aroclor-1016 (3) [2C]	A	250.00	257	0.0378846	0.0390081		2.8	
Aroclor-1016 (4) [2C]	A	250.00	269	0.0199212	0.0214705		7.6	
Aroclor 1260	A	250.00	270	0.0390342	0.0420692		7.8	+/-20
Aroclor-1260 (1)	A	250.00	266	0.0291201	0.0309902		6.4	
Aroclor-1260 (2)	A	250.00	272	0.0301181	0.0328297		8.8	
Aroclor-1260 (3)	A	250.00	271	0.0791351	0.0858990		8.4	
Aroclor-1260 (4)	A	250.00	263	0.0403003	0.0423975		5.2	
Aroclor-1260 (5)	A	250.00	276	0.0164974	0.0182296		10.4	
Aroclor 1260 [2C]	A	250.00	229	0.0617619	0.0559215		-8.4	+/-20
Aroclor-1260 (1) [2C]	A	250.00	226	0.0422283	0.0382373		-9.6	
Aroclor-1260 (2) [2C]	A	250.00	219	0.1059643	0.0927219		-12.4	
Aroclor-1260 (3) [2C]	A	250.00	238	0.0282173	0.0268148		-4.8	
Aroclor-1260 (4) [2C]	A	250.00	233	0.0706376	0.0659118		-6.8	
Decachlorobiphenyl	A	40.000	42.3	0.7333327	0.7748461		5.8	+/-20
Tetrachlorometaxylene	A	40.000	41.4	1.1336710	1.1742500		3.5	+/-20
Decachlorobiphenyl [2C]	A	40.000	40.1	1.1358180	1.1400580		0.3	+/-20
Tetrachlorometaxylene [2C]	A	40.000	40.4	1.0966080	1.1063700		1.0	+/-20

* Values outside of QC limits

```
                                  Analytical Resources Inc.
                             Dual Column 608/8082 PCB Quantitation Report

Data file 1: /230111.b/01112375ECD7.D                        ARI ID: AR1660CCVA
Data file 2: /230111.b/230111.b/01112375ECD7.D               Client ID:
Method: \\target\share\chem4\ecd7.i\230111.b\PCB.m           Injection Date: 12-JAN-2023 10:54
Compound Sublist: AR1660.sub                                    Report Date: 01/14/2023 13:23
Instrument, Inj. Vol.: ecd7.i, 2ul                           Matrix: NONE
Quant Method: Internal Std                                   Dilution Factor:  1.0



                                     SURROGATES

       ZB5 Col          |        ZB35 Col          |   ZB5    ZB35
  RT    Shift Response  | RT    Shift  Response   |  on col  on col    RPD   Compound/Flag
===========================================================================================

 5.831  0.001   240777 | 5.707   0.000   173783|   41.4    40.4      2.6    Tetrachloro-m-xylene
13.901 -0.001   366983 |14.127   0.000   344570|   42.3    40.1      5.1    Decachlorobiphenyl


*  Indicates RPD > 40%




                                INTERNAL STANDARD SUMMARY

                                            Column 1
                                     Standard    Sample
                   Standard Cpnd       Area*       Area      %D
              --------------------------------------------------
                Bromo-Nitrobenzene    447645      410095   -8.4
                Hexabromobiphenyl     798898      947241   18.6

                                            Column 2
                                     Standard    Sample
                   Standard Cpnd       Area*       Area      %D
              --------------------------------------------------
                Bromo-Nitrobenzene    249094     314150    26.1
                Hexabromobiphenyl     362541     604478    66.7


               * Standard Areas taken from Initial Cal Level 3
                 Initial Calibration Date: 03-DEC-2022
              <- Indicates standard response outside Limits (-50 to +100%)
```

```
                             ZB5 Col                                ZB35 Col
 Aroclor   Peak#    RT    Shift    Area    Amount    Peak#   RT     Shift    Area   Amount
 =========================================================================================
 Aroclor-1016 1   7.289  -0.000     37254   272.3      1    7.271   0.000    40473   252.0
 Aroclor-1016 2   7.677  -0.002    119604   270.8      2    7.871   0.000    87008   251.2
 Aroclor-1016 3   7.812   0.000     58073   290.2      3    8.070   0.000    38295   257.4
 Aroclor-1016 4   8.423  -0.000     37733   295.7      4    8.242   0.000    21078   269.4
       Total Col1Ave (4 peaks):   282.3       Total Col2Ave (4 peaks):   257.5   RPD = 9
       Corrected Ave (3 peaks):   277.8       Corrected Ave (3 peaks):   253.5   RPD = 9

                    CalAmt %D:    12.9                      CalAmt %D:     3.0

 Aroclor-1260 1  11.055  -0.002     91735   266.1      1   11.662   0.000    72230   226.4
 Aroclor-1260 2  11.372  -0.001     97180   272.5      2   11.925   0.000   175151   218.8
 Aroclor-1260 3  11.746  -0.001    254272   271.4      3   12.445   0.000    50653   237.6
 Aroclor-1260 4  12.152  -0.001    125502   263.0      4   12.509   0.000   124507   233.3
 Aroclor-1260 5  12.255  -0.001     53962   276.3      NS    ---                      ----
       Total Col1Ave (5 peaks):   269.8       Total Col2Ave (4 peaks):   229.0   RPD = 16
       Corrected Ave (4 peaks):   268.2       Corrected Ave (3 peaks):   226.1   RPD = 17

                    CalAmt %D:     7.9                      CalAmt %D:    -8.4




 Total PCB Area Col1 (5.931 - 13.802) =    2565415     Col1 Total PCB = 0.7 ppm*

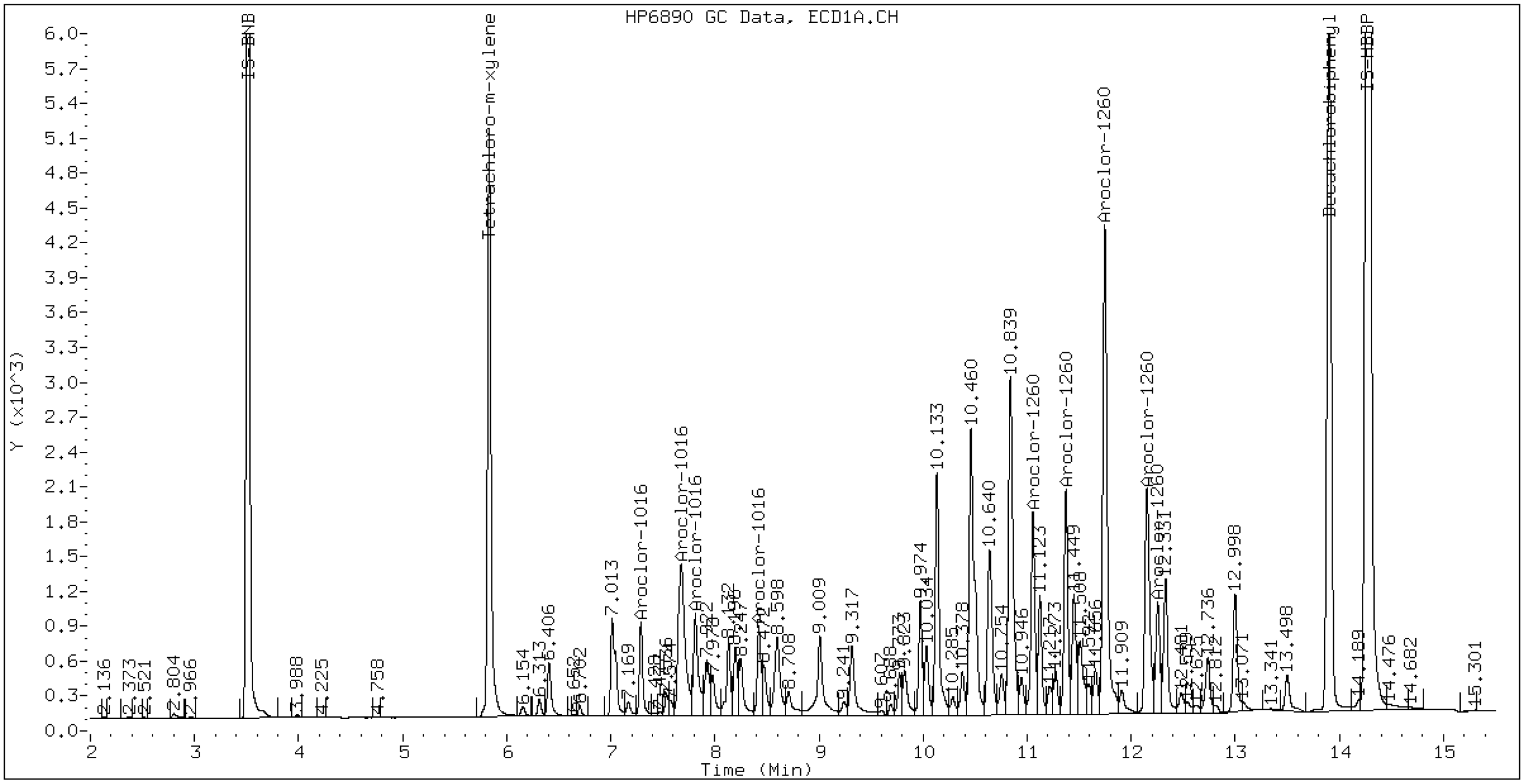
 Total PCB Area Col2 (5.807 - 14.027) =    1703605     Col2 Total PCB = 0.6 ppm*


   *  Quantitated against AR1660 0.25ppm in Ical


                                        PCB-Form 10 Mod.
```

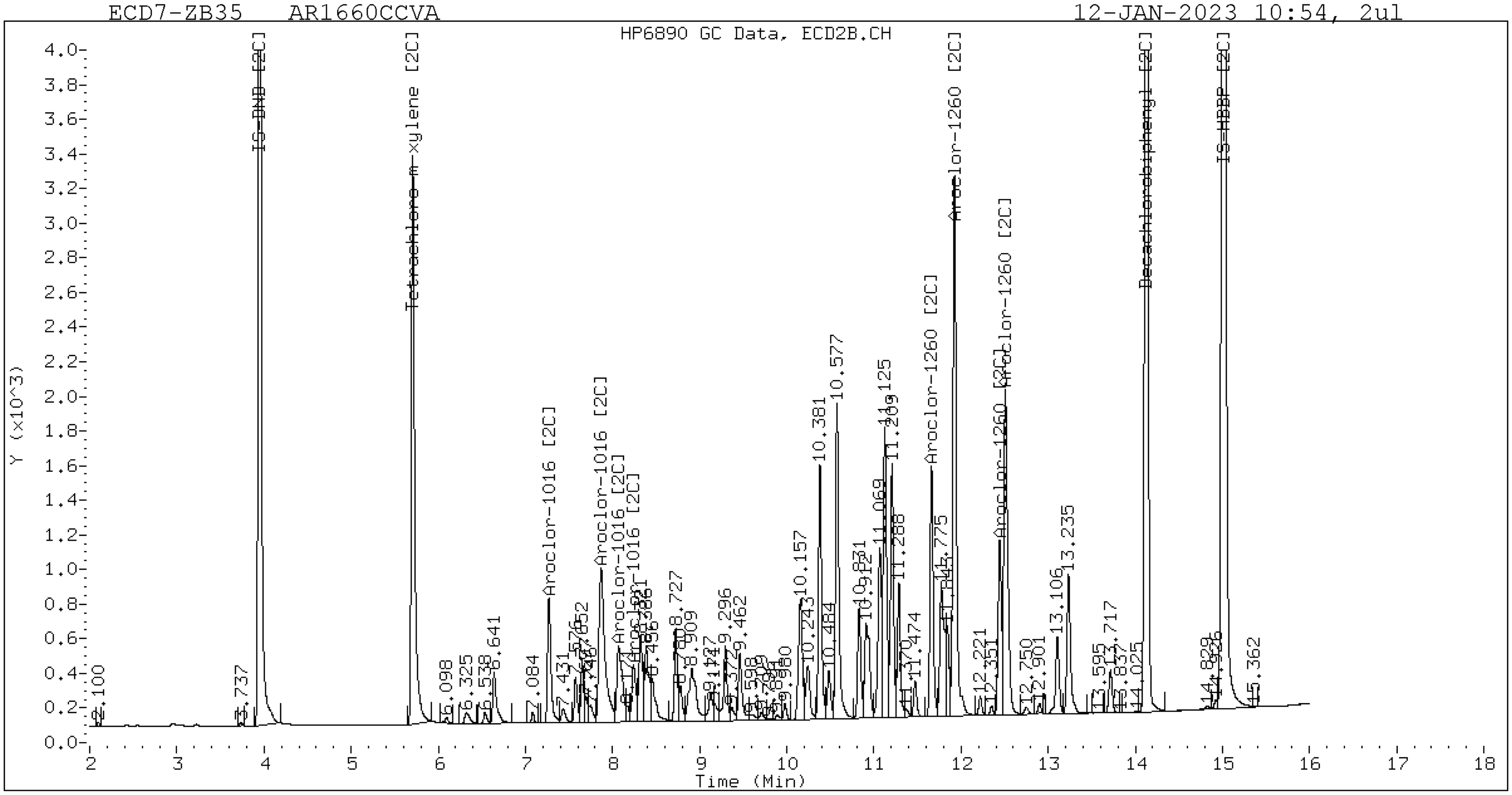
PCB Dual Column Chromatograms

ECD7-ZB5 AR1660CCVA 12-JAN-2023 10:54, 2ul



ZB-5 Manual Integration: NO

ECD7-ZB35 AR1660CCVA 12-JAN-2023 10:54, 2ul



ZB-35 Manual Integration: NO

CONTINUING CALIBRATION CHECK

EPA 8082A

Laboratory:	Analytical Resources, LLC	SDG:	22L0307
Client:	Anchor QEA, LLC	Project:	AOC4 UR Phase 3
Instrument ID:	ECD7	Calibration:	FL00010
Lab File ID:	01102319ECD7.D	Calibration Date:	12/03/2022
Sequence:	SLA0156	Injection Date:	01/10/23
Lab Sample ID:	SLA0156-CCV1	Injection Time:	22:48
Sequence Name:	AR1248CCV1		

		CONC. (ug/L)		RESPONSE FACTOR (RRF)			% DRIFT/DIFF	
COMPOUND	TYPE	STD	CCV	ICAL	CCV	MIN	CCV	LIMIT
Aroclor 1248	A	250.00	244	0.0490062	0.0492313		-2.4	+/-20
Aroclor-1248 (1)	A	250.00	245		0.0336680			
Aroclor-1248 (2)	A	250.00	258		0.0453224			
Aroclor-1248 (3)	A	250.00	277		0.0875868			
Aroclor-1248 (4)	A	250.00	196		0.0303481			
Aroclor 1248 [2C]	A	250.00	240	0.0394876	0.0379647		-4.2	+/-20
Aroclor-1248 (1) [2C]	A	250.00	245		0.0320495			
Aroclor-1248 (2) [2C]	A	250.00	216		0.0296314			
Aroclor-1248 (3) [2C]	A	250.00	254		0.0423991			
Aroclor-1248 (4) [2C]	A	250.00	243		0.0477786			
Decachlorobiphenyl	A	40.000	41.1	0.7333327	0.7530315		2.8	+/-20
Tetrachlorometaxylene	A	40.000	36.3	1.1336710	1.0295130		-9.3	+/-20
Decachlorobiphenyl [2C]	A	40.000	40.2	1.1358180	1.1417190		0.5	+/-20
Tetrachlorometaxylene [2C]	A	40.000	36.1	1.0966080	0.9908177		-9.8	+/-20

* Values outside of QC limits

* Values outside of QC limits

```
                             Analytical Resources Inc.
                        Dual Column 608/8082 PCB Quantitation Report

 Data file 1: /230110.b/01102319ECD7.D                  ARI ID: AR1248CCV1
 Data file 2: /230110.b/230110.b/01102319ECD7.D         Client ID:
 Method: \\target\share\chem4\ecd7.i\230110.b\PCB.m     Injection Date: 10-JAN-2023 22:48
 Compound Sublist: AR1248.sub                              Report Date: 01/13/2023 12:57
 Instrument, Inj. Vol.: ecd7.i, 2ul                     Matrix: NONE
 Quant Method: Internal Std                             Dilution Factor:  1.0



                                    SURROGATES

        ZB5 Col         |       ZB35 Col         |   ZB5    ZB35
   RT    Shift Response | RT    Shift  Response  |  on col  on col    RPD   Compound/Flag
 ==========================================================================================

  5.832 -0.004   205012 | 5.709   0.002   151445|   36.3    36.1      0.5    Tetrachloro-m-xylene
 13.901 -0.006   167920 |14.126  -0.002   191331|   41.1    40.2      2.1    Decachlorobiphenyl


*  Indicates RPD > 40%




                               INTERNAL STANDARD SUMMARY

                                           Column 1
                                    Standard    Sample
                  Standard Cpnd       Area*       Area      %D
                ---------------------------------------------------
                  Bromo-Nitrobenzene    447645      398270  -11.0
                  Hexabromobiphenyl     798898      445984  -44.2

                                           Column 2
                                    Standard    Sample
                  Standard Cpnd       Area*       Area      %D
                ---------------------------------------------------
                  Bromo-Nitrobenzene    249094     305697    22.7
                  Hexabromobiphenyl     362541     335163    -7.6


                 * Standard Areas taken from Initial Cal Level 3
                   Initial Calibration Date: 03-DEC-2022
                <- Indicates standard response outside Limits (-50 to +100%)
```

```
                           ZB5 Col                                 ZB35 Col
 Aroclor    Peak#    RT    Shift    Area    Amount    Peak#   RT     Shift    Area   Amount
 =========================================================================================
 Aroclor-1248 1   8.423  -0.004     41903   244.7      1    8.321   0.000    30617   245.2
 Aroclor-1248 2   8.599  -0.005     56408   258.0      2    8.728   0.000    28307   215.5
 Aroclor-1248 3   9.017  -0.006    109010   277.2      3    9.175   0.000    40504   253.5
 Aroclor-1248 4   9.308  -0.003     37771   196.0      4    9.596   0.000    45643   243.4
       Total Col1Ave (4 peaks):   244.0       Total Col2Ave (4 peaks):   239.4   RPD = 2
       Corrected Ave (3 peaks):   232.9       Corrected Ave (3 peaks):   234.7   RPD = 1

                     CalAmt %D:    -2.4                     CalAmt %D:    -4.2




 Total PCB Area Col1 (5.936 - 13.808) =     837239     Col1 Total PCB = 0.2 ppm*

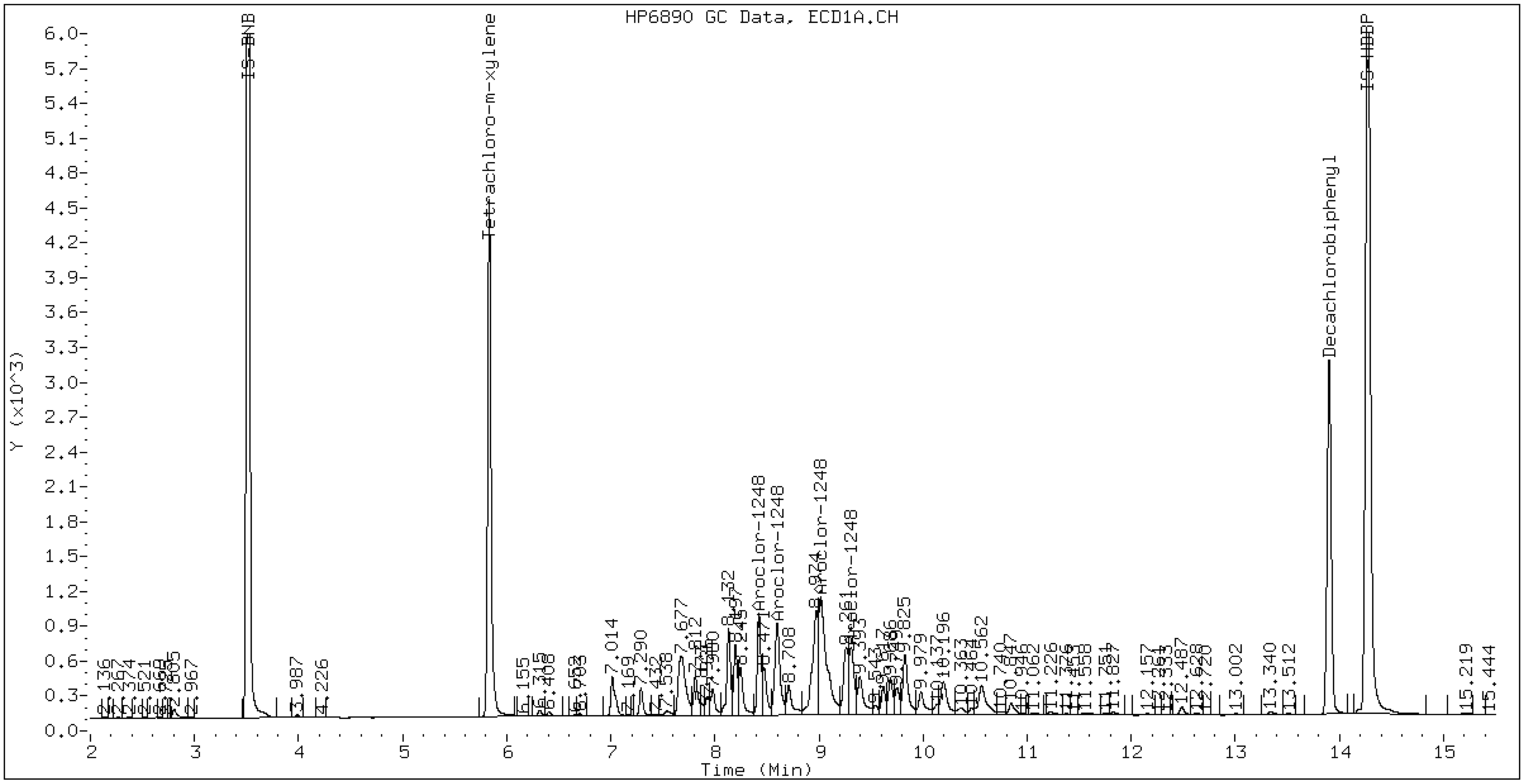
 Total PCB Area Col2 (5.807 - 14.028) =     591657     Col2 Total PCB = 0.2 ppm*


   *  Quantitated against AR1660 0.25ppm in Ical


                                        PCB-Form 10 Mod.
```

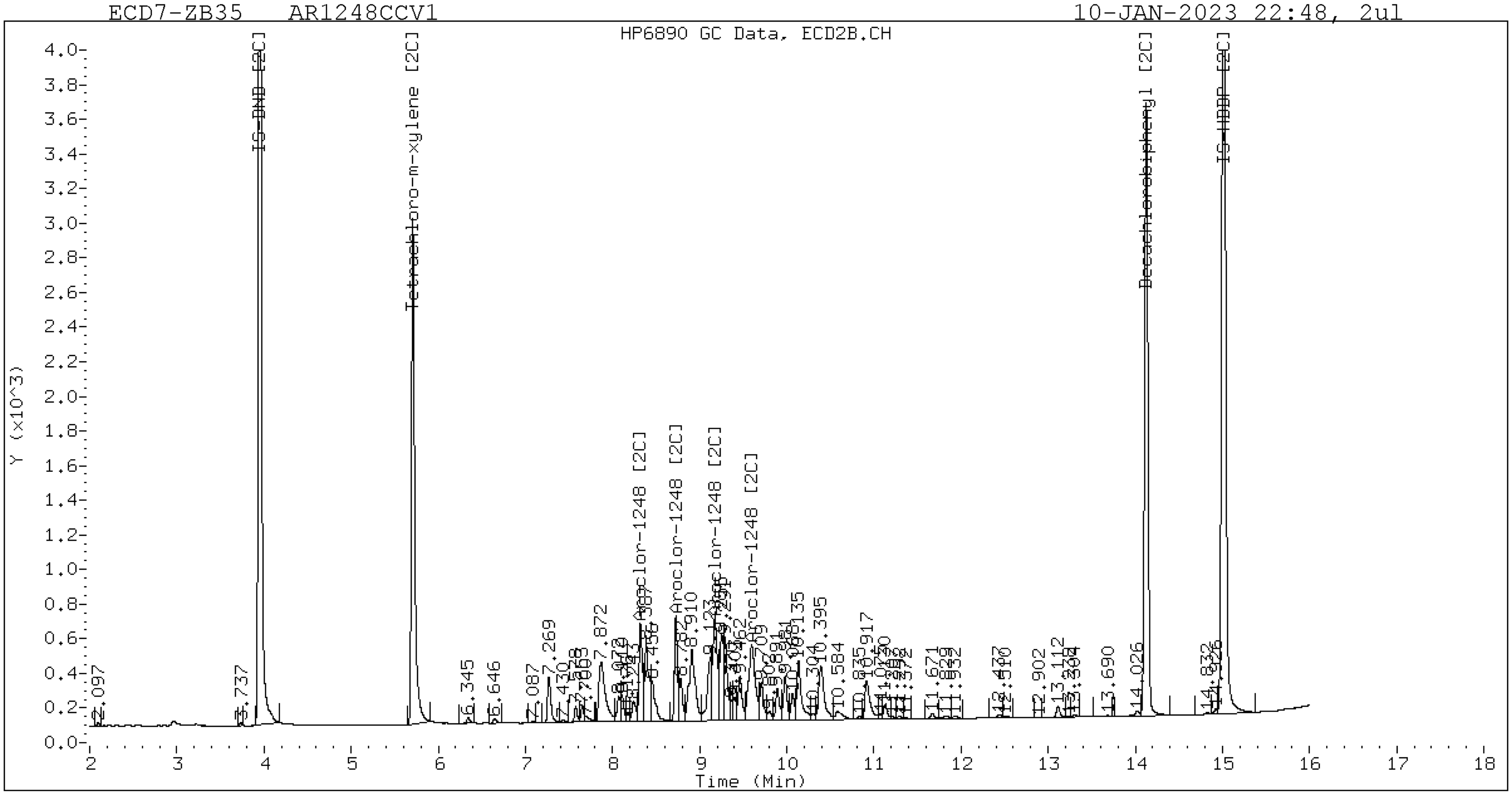
PCB Dual Column Chromatograms

ECD7-ZB5 AR1248CCV1 10-JAN-2023 22:48, 2ul



ZB-5 Manual Integration: NO

ECD7-ZB35 AR1248CCV1 10-JAN-2023 22:48, 2ul



ZB-35 Manual Integration: NO

CONTINUING CALIBRATION CHECK

EPA 8082A

Laboratory:	Analytical Resources, LLC	SDG:	22L0307
Client:	Anchor QEA, LLC	Project:	AOC4 UR Phase 3
Instrument ID:	ECD7	Calibration:	FL00010
Lab File ID:	01102320ECD7.D	Calibration Date:	12/03/2022
Sequence:	SLA0156	Injection Date:	01/10/23
Lab Sample ID:	SLA0156-CCV2	Injection Time:	23:09
Sequence Name:	AR1660CCV2		

COMPOUND	TYPE	CONC. (ug/L)		RESPONSE FACTOR (RRF)			% DRIFT/DIFF	
		STD	CCV	ICAL	CCV	MIN	CCV	LIMIT
Aroclor 1016	A	250.00	273	0.0441939	0.0479325		9.2	+/-20
Aroclor-1016 (1)	A	250.00	269	0.0266860	0.0286960		7.6	
Aroclor-1016 (2)	A	250.00	265	0.0861572	0.0914562		6.0	
Aroclor-1016 (3)	A	250.00	283	0.0390425	0.0441959		13.2	
Aroclor-1016 (4)	A	250.00	275	0.0248899	0.0273817		10.0	
Aroclor 1016 [2C]	A	250.00	248	0.0467310	0.0459982		-0.9	+/-20
Aroclor-1016 (1) [2C]	A	250.00	245	0.0409030	0.0400316		-2.0	
Aroclor-1016 (2) [2C]	A	250.00	245	0.0882154	0.0864483		-2.0	
Aroclor-1016 (3) [2C]	A	250.00	245	0.0378846	0.0370977		-2.0	
Aroclor-1016 (4) [2C]	A	250.00	256	0.0199212	0.0204152		2.4	
Aroclor 1260	A	250.00	352	0.0390342	0.0548035		40.9	+/-20 *
Aroclor-1260 (1)	A	250.00	378	0.0291201	0.0439837		51.2	
Aroclor-1260 (2)	A	250.00	370	0.0301181	0.0445437		48.0	
Aroclor-1260 (3)	A	250.00	349	0.0791351	0.1104764		39.6	
Aroclor-1260 (4)	A	250.00	327	0.0403003	0.0527540		30.8	
Aroclor-1260 (5)	A	250.00	337	0.0164974	0.0222599		34.8	
Aroclor 1260 [2C]	A	250.00	296	0.0617619	0.0730583		18.2	+/-20
Aroclor-1260 (1) [2C]	A	250.00	289	0.0422283	0.0488392		15.6	
Aroclor-1260 (2) [2C]	A	250.00	295	0.1059643	0.1251618		18.0	
Aroclor-1260 (3) [2C]	A	250.00	300	0.0282173	0.0338724		20.0	
Aroclor-1260 (4) [2C]	A	250.00	298	0.0706376	0.0843596		19.2	
Decachlorobiphenyl	A	40.000	44.2	0.7333327	0.8110180		10.5	+/-20
Tetrachlorometaxylene	A	40.000	41.3	1.1336710	1.1717280		3.3	+/-20
Decachlorobiphenyl [2C]	A	40.000	42.3	1.1358180	1.2009670		5.8	+/-20
Tetrachlorometaxylene [2C]	A	40.000	39.5	1.0966080	1.0829010		-1.3	+/-20

* Values outside of QC limits

* Values outside of QC limits

```
                            Analytical Resources Inc.
                       Dual Column 608/8082 PCB Quantitation Report

Data file 1: /230110.b/01102320ECD7.D                    ARI ID: AR1660CCV2
Data file 2: /230110.b/230110.b/01102320ECD7.D           Client ID:
Method: \\target\share\chem4\ecd7.i\230110.b\PCB.m       Injection Date: 10-JAN-2023 23:09
Compound Sublist: AR1660.sub                                Report Date: 01/13/2023 12:57
Instrument, Inj. Vol.: ecd7.i, 2ul                       Matrix: NONE
Quant Method: Internal Std                               Dilution Factor:  1.0



                                   SURROGATES

       ZB5 Col         |       ZB35 Col         |   ZB5    ZB35
  RT    Shift Response | RT    Shift  Response  |  on col  on col    RPD   Compound/Flag
============================================================================================

 5.832 -0.004   230524 | 5.708   0.001   163112|   41.3    39.5      4.6    Tetrachloro-m-xylene
13.902 -0.006   212052 |14.128   0.000   225628|   44.2    42.3      4.5    Decachlorobiphenyl


*  Indicates RPD > 40%




                              INTERNAL STANDARD SUMMARY

                                          Column 1
                                   Standard    Sample
                Standard Cpnd       Area*       Area      %D
             --------------------------------------------------
               Bromo-Nitrobenzene    447645      393477  -12.1
               Hexabromobiphenyl     798898      522928  -34.5

                                          Column 2
                                   Standard    Sample
                Standard Cpnd       Area*       Area      %D
             --------------------------------------------------
               Bromo-Nitrobenzene    249094     301250    20.9
               Hexabromobiphenyl     362541     375744     3.6


              * Standard Areas taken from Initial Cal Level 3
                Initial Calibration Date: 03-DEC-2022
             <- Indicates standard response outside Limits (-50 to +100%)
```

```
                            ZB5 Col                                ZB35 Col
 Aroclor   Peak#    RT    Shift    Area    Amount    Peak#   RT     Shift    Area   Amount
 =========================================================================================
 Aroclor-1016 1   7.290  -0.005     35285   268.8      1    7.271  -0.000    37686   244.7
 Aroclor-1016 2   7.677  -0.007    112456   265.4      2    7.872   0.000    81383   245.0
 Aroclor-1016 3   7.812  -0.006     54344   283.0      3    8.070  -0.001    34924   244.8
 Aroclor-1016 4   8.423  -0.006     33669   275.0      4    8.241  -0.000    19219   256.2
       Total Col1Ave (4 peaks):   273.1       Total Col2Ave (4 peaks):   247.7   RPD = 10
       Corrected Ave (3 peaks):   269.7       Corrected Ave (3 peaks):   244.8   RPD = 10

                     CalAmt %D:     9.2                    CalAmt %D:    -0.9

 Aroclor-1260 1  11.057  -0.005     71876   377.6      1   11.663   0.001    57347   289.1
 Aroclor-1260 2  11.374  -0.004     72791   369.7      2   11.926   0.000   146965   295.3
 Aroclor-1260 3  11.747  -0.004    180535   349.0      3   12.444  -0.000    39773   300.1
 Aroclor-1260 4  12.150  -0.008     86208   327.3      4   12.510  -0.001    99055   298.6
 Aroclor-1260 5  12.254  -0.007     36376   337.3      NS    ---                     ----
       Total Col1Ave (5 peaks):   352.2       Total Col2Ave (4 peaks):   295.8   RPD = 17
       Corrected Ave (4 peaks):   345.8       Corrected Ave (3 peaks):   294.3   RPD = 16

                     CalAmt %D:    40.9                    CalAmt %D:    18.3




 Total PCB Area Col1 (5.936 - 13.808) =    2058958     Col1 Total PCB = 0.5 ppm*

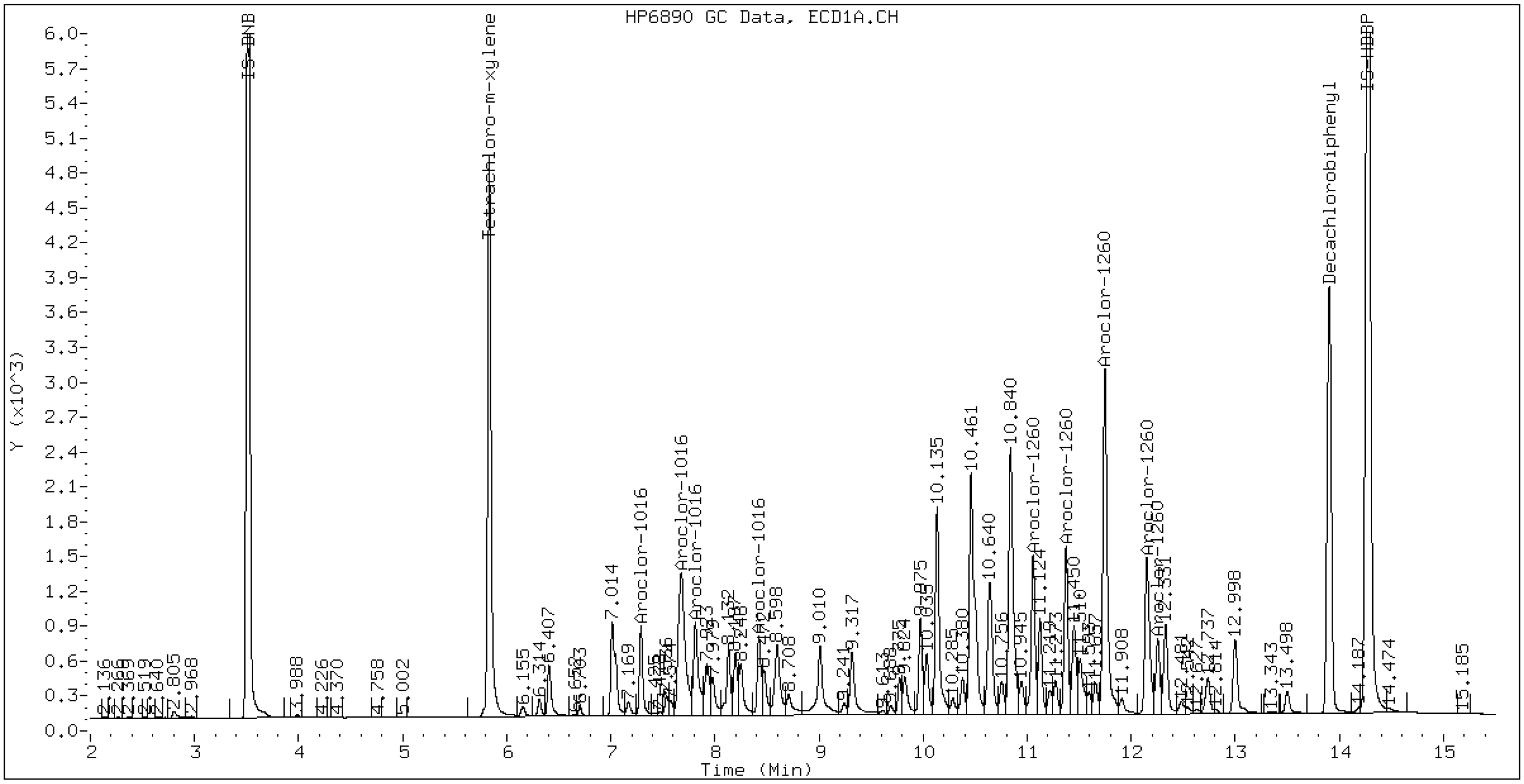
 Total PCB Area Col2 (5.807 - 14.028) =    1422390     Col2 Total PCB = 0.5 ppm*


   *  Quantitated against AR1660 0.25ppm in Ical


                                        PCB-Form 10 Mod.
```

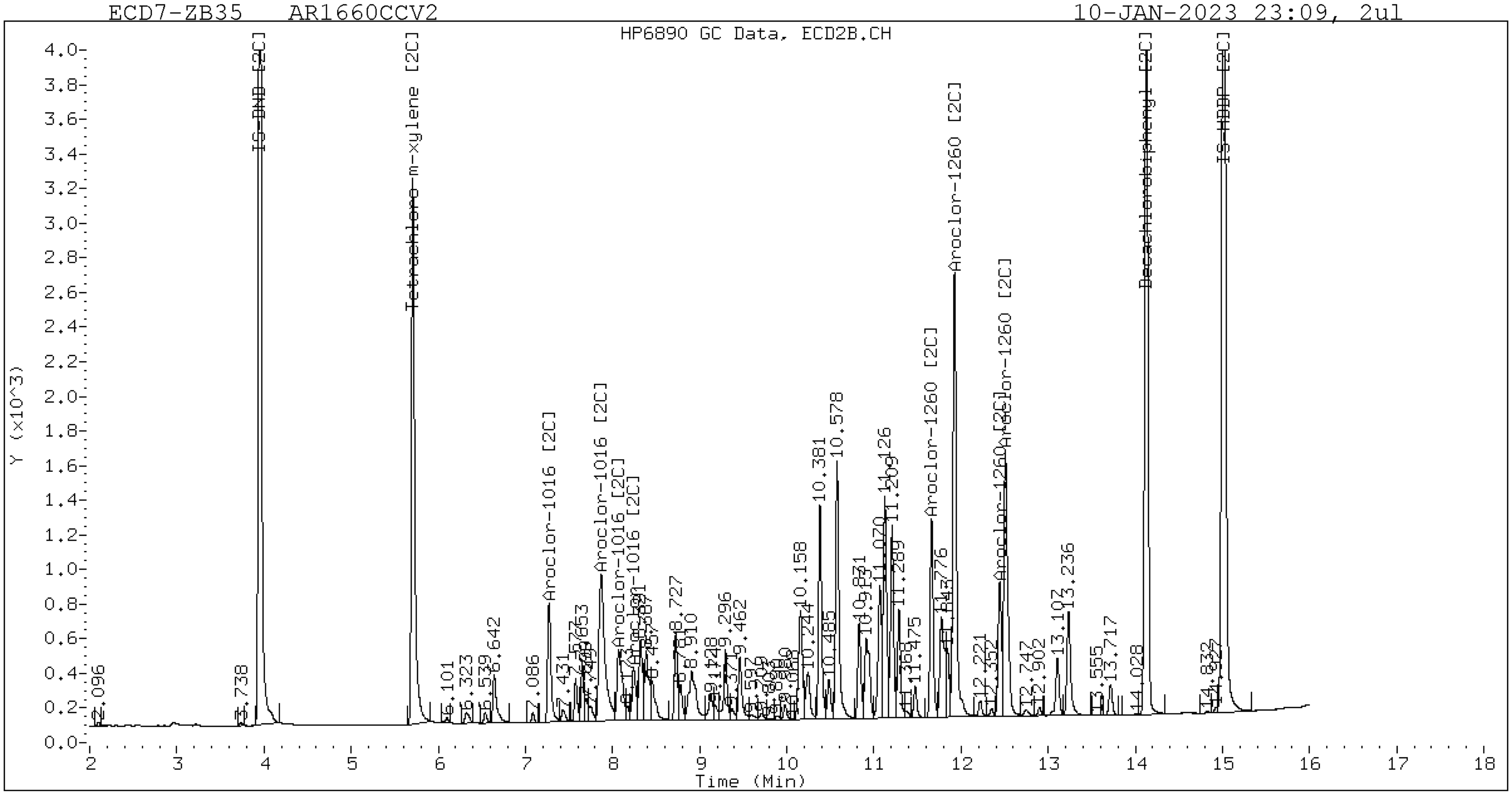
PCB Dual Column Chromatograms

ECD7-ZB5 AR1660CCV2 10-JAN-2023 23:09, 2ul



ZB-5 Manual Integration: NO

ECD7-ZB35 AR1660CCV2 10-JAN-2023 23:09, 2ul



ZB-35 Manual Integration: NO

CONTINUING CALIBRATION CHECK
EPA 8082A

Laboratory:	Analytical Resources, LLC	SDG:	22L0307
Client:	Anchor QEA, LLC	Project:	AOC4 UR Phase 3
Instrument ID:	ECD7	Calibration:	FL00010
Lab File ID:	01102325ECD7.D	Calibration Date:	12/03/2022
Sequence:	SLA0156	Injection Date:	01/11/23
Lab Sample ID:	SLA0156-CCV3	Injection Time:	00:55
Sequence Name:	AR1242CCV3		

COMPOUND	TYPE	CONC. (ug/L)		RESPONSE FACTOR (RRF)			% DRIFT/DIFF	
		STD	CCV	ICAL	CCV	MIN	CCV	LIMIT
Aroclor 1242	A	250.00	283	0.0396000	0.0447444		13.3	+/-20
Aroclor-1242 (1)	A	250.00	268		0.0243237			
Aroclor-1242 (2)	A	250.00	262		0.0755834			
Aroclor-1242 (3)	A	250.00	277		0.0229195			
Aroclor-1242 (4)	A	250.00	326		0.0561510			
Aroclor 1242 [2C]	A	250.00	271	0.0391981	0.0420340		8.5	+/-20
Aroclor-1242 (1) [2C]	A	250.00	258		0.0349188			
Aroclor-1242 (2) [2C]	A	250.00	263		0.0755291			
Aroclor-1242 (3) [2C]	A	250.00	281		0.0261083			
Aroclor-1242 (4) [2C]	A	250.00	283		0.0315798			
Decachlorobiphenyl	A	40.000	42.5	0.7333327	0.7788057		6.3	+/-20
Tetrachlorometaxylene	A	40.000	38.6	1.1336710	1.0948260		-3.5	+/-20
Decachlorobiphenyl [2C]	A	40.000	43.6	1.1358180	1.2367640		9.0	+/-20
Tetrachlorometaxylene [2C]	A	40.000	37.7	1.0966080	1.0338940		-5.8	+/-20

* Values outside of QC limits

* Values outside of QC limits

```
                              Analytical Resources Inc.
                         Dual Column 608/8082 PCB Quantitation Report

Data file 1: /230110.b/01102325ECD7.D                       ARI ID: AR1242CCV3
Data file 2: /230110.b/230110.b/01102325ECD7.D              Client ID:
Method: \\target\share\chem4\ecd7.i\230110.b\PCB.m          Injection Date: 11-JAN-2023 00:55
Compound Sublist: AR1242.sub                                   Report Date: 01/13/2023 12:57
Instrument, Inj. Vol.: ecd7.i, 2ul                          Matrix: NONE
Quant Method: Internal Std                                  Dilution Factor:  1.0



                                 SURROGATES

       ZB5 Col          |       ZB35 Col         |   ZB5    ZB35
  RT    Shift Response | RT    Shift  Response  |  on col  on col    RPD   Compound/Flag
============================================================================================

 5.831 -0.005   228921 | 5.708   0.000   163837|   38.6    37.7      2.4    Tetrachloro-m-xylene
13.902 -0.005   278020 |14.128   0.000   282054|   42.5    43.6      2.5    Decachlorobiphenyl


*  Indicates RPD > 40%



                            INTERNAL STANDARD SUMMARY

                                        Column 1
                                 Standard    Sample
                 Standard Cpnd       Area*       Area      %D
               --------------------------------------------------
                 Bromo-Nitrobenzene    447645      418187   -6.6
                 Hexabromobiphenyl     798898      713965  -10.6

                                        Column 2
                                 Standard    Sample
                 Standard Cpnd       Area*       Area      %D
               --------------------------------------------------
                 Bromo-Nitrobenzene    249094     316932    27.2
                 Hexabromobiphenyl     362541     456116    25.8


                * Standard Areas taken from Initial Cal Level 3
                  Initial Calibration Date: 03-DEC-2022
               <- Indicates standard response outside Limits (-50 to +100%)
```

```
//target/share/chem4/ecd7.i/230110.b/01102325ECD7.D      AR1242CCV3                        page 2
                                ZB5 Col                                  ZB35 Col
 Aroclor    Peak#    RT    Shift    Area    Amount    Peak#   RT     Shift    Area   Amount
 ==========================================================================================
 Aroclor-1242 1   7.290  -0.005     31787   268.2      1    7.270   0.000    34584   257.8
 Aroclor-1242 2   7.680  -0.005     98775   262.5      2    7.873   0.000    74805   262.7
 Aroclor-1242 3   8.424  -0.005     29952   276.6      3    9.177   0.000    25858   281.5
 Aroclor-1242 4   9.026  -0.005     73380   326.4      4    9.605   0.000    31277   283.3
       Total Col1Ave (4 peaks):   283.4       Total Col2Ave (4 peaks):   271.3   RPD = 4
       Corrected Ave (3 peaks):   269.1       Corrected Ave (3 peaks):   267.3   RPD = 1

                     CalAmt %D:    13.4                      CalAmt %D:     8.5




 Total PCB Area Col1 (5.936 - 13.808) =     819453     Col1 Total PCB = 0.2 ppm*

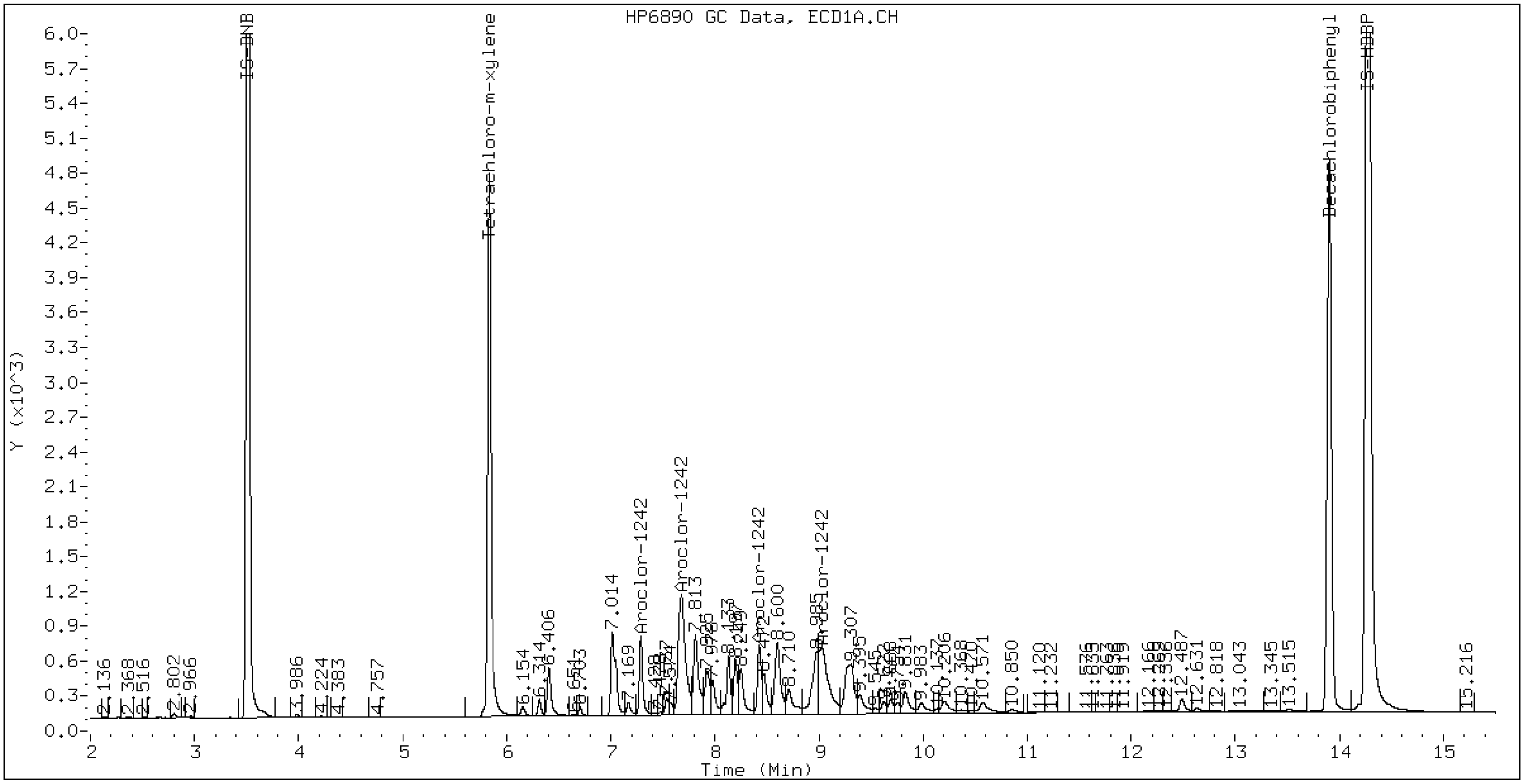
 Total PCB Area Col2 (5.807 - 14.028) =     555237     Col2 Total PCB = 0.2 ppm*


   *  Quantitated against AR1660 0.25ppm in Ical


                                        PCB-Form 10 Mod.
```

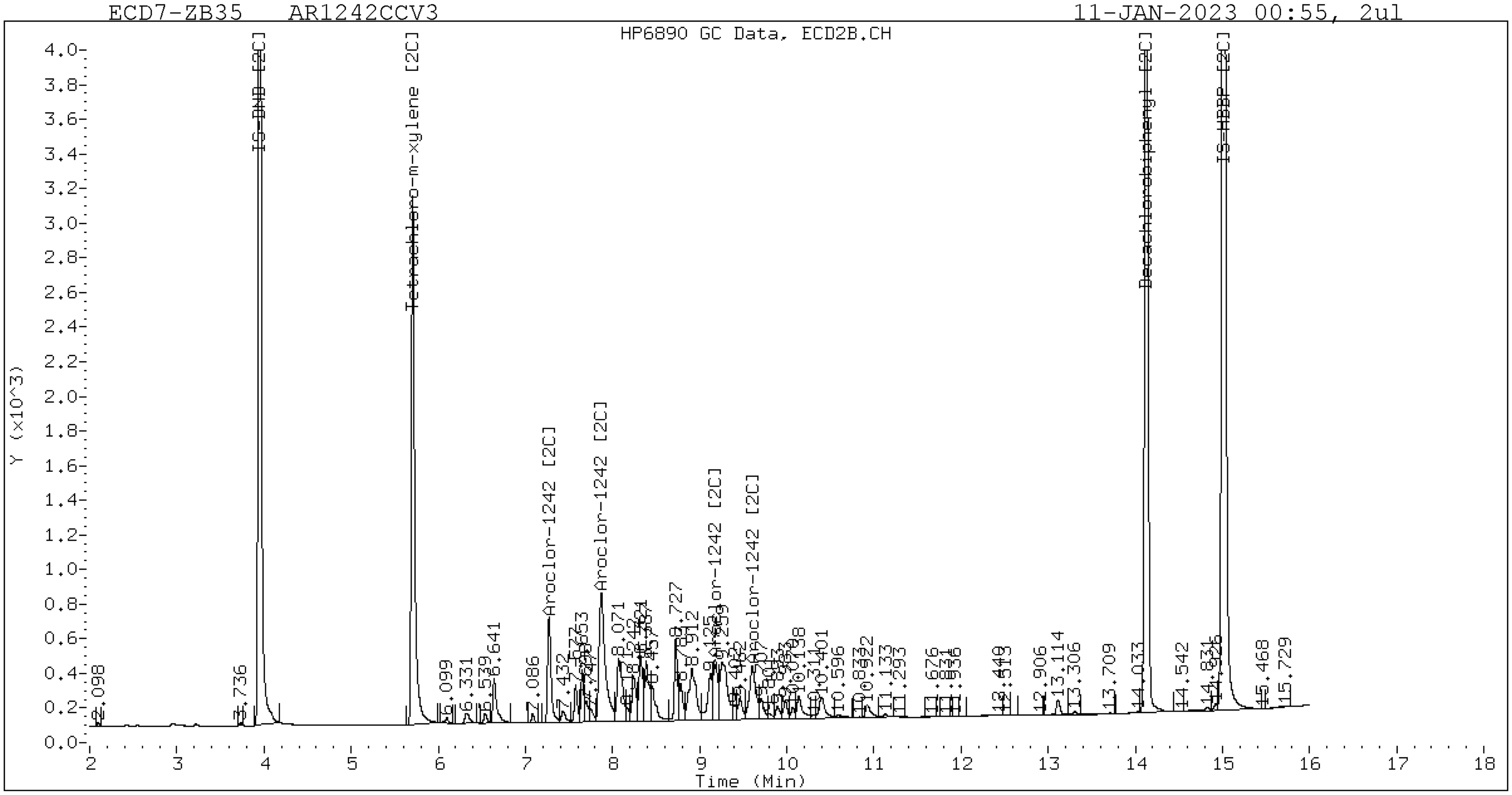
PCB Dual Column Chromatograms

ECD7-ZB5 AR1242CCV3 11-JAN-2023 00:55, 2ul



ZB-5 Manual Integration: NO

ECD7-ZB35 AR1242CCV3 11-JAN-2023 00:55, 2ul



ZB-35 Manual Integration: NO

CONTINUING CALIBRATION CHECK
EPA 8082A

Laboratory:	Analytical Resources, LLC	SDG:	22L0307
Client:	Anchor QEA, LLC	Project:	AOC4 UR Phase 3
Instrument ID:	ECD7	Calibration:	FL00010
Lab File ID:	01102326ECD7.D	Calibration Date:	12/03/2022
Sequence:	SLA0156	Injection Date:	01/11/23
Lab Sample ID:	SLA0156-CCV4	Injection Time:	01:16
Sequence Name:	AR1660CCV4		

		CONC. (ug/L)		RESPONSE FACTOR (RRF)			% DRIFT/DIFF		
COMPOUND	TYPE	STD	CCV	ICAL	CCV	MIN	CCV	LIMIT	
Aroclor 1016	A	250.00	277	0.0441939	0.0485218		10.9	+/-20	
Aroclor-1016 (1)	A	250.00	272	0.0266860	0.0290422		8.8		
Aroclor-1016 (2)	A	250.00	267	0.0861572	0.0919755		6.8		
Aroclor-1016 (3)	A	250.00	287	0.0390425	0.0448665		14.8		
Aroclor-1016 (4)	A	250.00	283	0.0248899	0.0282031		13.2		
Aroclor 1016 [2C]	A	250.00	249	0.0467310	0.0463255		-0.4	+/-20	
Aroclor-1016 (1) [2C]	A	250.00	248	0.0409030	0.0405816		-0.8		
Aroclor-1016 (2) [2C]	A	250.00	246	0.0882154	0.0868903		-1.6		
Aroclor-1016 (3) [2C]	A	250.00	247	0.0378846	0.0374785		-1.2		
Aroclor-1016 (4) [2C]	A	250.00	255	0.0199212	0.0203518		2.0		
Aroclor 1260	A	250.00	305	0.0390342	0.0473274		22.1	+/-20	*
Aroclor-1260 (1)	A	250.00	297	0.0291201	0.0346338		18.8		
Aroclor-1260 (2)	A	250.00	300	0.0301181	0.0361745		20.0		
Aroclor-1260 (3)	A	250.00	302	0.0791351	0.0955035		20.8		
Aroclor-1260 (4)	A	250.00	304	0.0403003	0.0490207		21.6		
Aroclor-1260 (5)	A	250.00	323	0.0164974	0.0213042		29.2		
Aroclor 1260 [2C]	A	250.00	273	0.0617619	0.0674260		9.0	+/-20	
Aroclor-1260 (1) [2C]	A	250.00	268	0.0422283	0.0452863		7.2		
Aroclor-1260 (2) [2C]	A	250.00	272	0.1059643	0.1151554		8.8		
Aroclor-1260 (3) [2C]	A	250.00	273	0.0282173	0.0308621		9.2		
Aroclor-1260 (4) [2C]	A	250.00	277	0.0706376	0.0784002		10.8		
Decachlorobiphenyl	A	40.000	45.1	0.7333327	0.8276837		12.8	+/-20	
Tetrachlorometaxylene	A	40.000	41.9	1.1336710	1.1869320		4.8	+/-20	
Decachlorobiphenyl [2C]	A	40.000	42.4	1.1358180	1.2046300		6.0	+/-20	
Tetrachlorometaxylene [2C]	A	40.000	40.1	1.0966080	1.1006010		0.3	+/-20	

* Values outside of QC limits

* Values outside of QC limits

```
                                Analytical Resources Inc.
                           Dual Column 608/8082 PCB Quantitation Report

 Data file 1: /230110.b/01102326ECD7.D                   ARI ID: AR1660CCV4
 Data file 2: /230110.b/230110.b/01102326ECD7.D          Client ID:
 Method: \\target\share\chem4\ecd7.i\230110.b\PCB.m      Injection Date: 11-JAN-2023 01:16
 Compound Sublist: AR1660.sub                               Report Date: 01/13/2023 12:57
 Instrument, Inj. Vol.: ecd7.i, 2ul                      Matrix: NONE
 Quant Method: Internal Std                              Dilution Factor:  1.0



                                   SURROGATES

       ZB5 Col         |       ZB35 Col         |   ZB5    ZB35
   RT    Shift Response | RT    Shift  Response  |  on col  on col    RPD   Compound/Flag
 ===========================================================================================

  5.833 -0.003   238990 | 5.709   0.002   167298|   41.9    40.1      4.2    Tetrachloro-m-xylene
 13.902 -0.005   299977 |14.128  -0.000   278431|   45.1    42.4      6.2    Decachlorobiphenyl


*  Indicates RPD > 40%



                              INTERNAL STANDARD SUMMARY

                                          Column 1
                                   Standard    Sample
                  Standard Cpnd       Area*       Area      %D
               --------------------------------------------------
                 Bromo-Nitrobenzene    447645      402702  -10.0
                 Hexabromobiphenyl     798898      724859   -9.3

                                          Column 2
                                   Standard    Sample
                  Standard Cpnd       Area*       Area      %D
               --------------------------------------------------
                 Bromo-Nitrobenzene    249094     304012    22.0
                 Hexabromobiphenyl     362541     462268    27.5


                * Standard Areas taken from Initial Cal Level 3
                  Initial Calibration Date: 03-DEC-2022
               <- Indicates standard response outside Limits (-50 to +100%)
```

```
//target/share/chem4/ecd7.i/230110.b/01102326ECD7.D      AR1660CCV4                       page 2
                            ZB5 Col                             ZB35 Col
 Aroclor   Peak#    RT    Shift    Area    Amount    Peak#   RT     Shift    Area   Amount
 ======================================================================================
 Aroclor-1016 1   7.290  -0.005    36548   272.1      1    7.272   0.000    38554   248.0
 Aroclor-1016 2   7.679  -0.006   115746   266.9      2    7.872   0.000    82549   246.2
 Aroclor-1016 3   7.813  -0.004    56462   287.3      3    8.071   0.000    35606   247.3
 Aroclor-1016 4   8.424  -0.006    35492   283.3      4    8.242   0.001    19335   255.4
       Total Col1Ave (4 peaks):   277.4       Total Col2Ave (4 peaks):   249.3   RPD = 11
       Corrected Ave (3 peaks):   274.1       Corrected Ave (3 peaks):   247.2   RPD = 10

                    CalAmt %D:    11.0                      CalAmt %D:    -0.3

 Aroclor-1260 1  11.058  -0.004    78452   297.3      1   11.662  -0.000    65420   268.1
 Aroclor-1260 2  11.374  -0.004    81942   300.3      2   11.926  -0.000   166352   271.7
 Aroclor-1260 3  11.747  -0.005   216333   301.7      3   12.444   0.000    44583   273.4
 Aroclor-1260 4  12.152  -0.007   111041   304.1      4   12.510  -0.000   113256   277.5
 Aroclor-1260 5  12.256  -0.005    48258   322.8      NS    ---                      ----
       Total Col1Ave (5 peaks):   305.3       Total Col2Ave (4 peaks):   272.7   RPD = 11
       Corrected Ave (4 peaks):   300.9       Corrected Ave (3 peaks):   271.1   RPD = 10

                    CalAmt %D:    22.1                      CalAmt %D:     9.1




 Total PCB Area Col1 (5.936 - 13.808) =    2307866     Col1 Total PCB = 0.6 ppm*

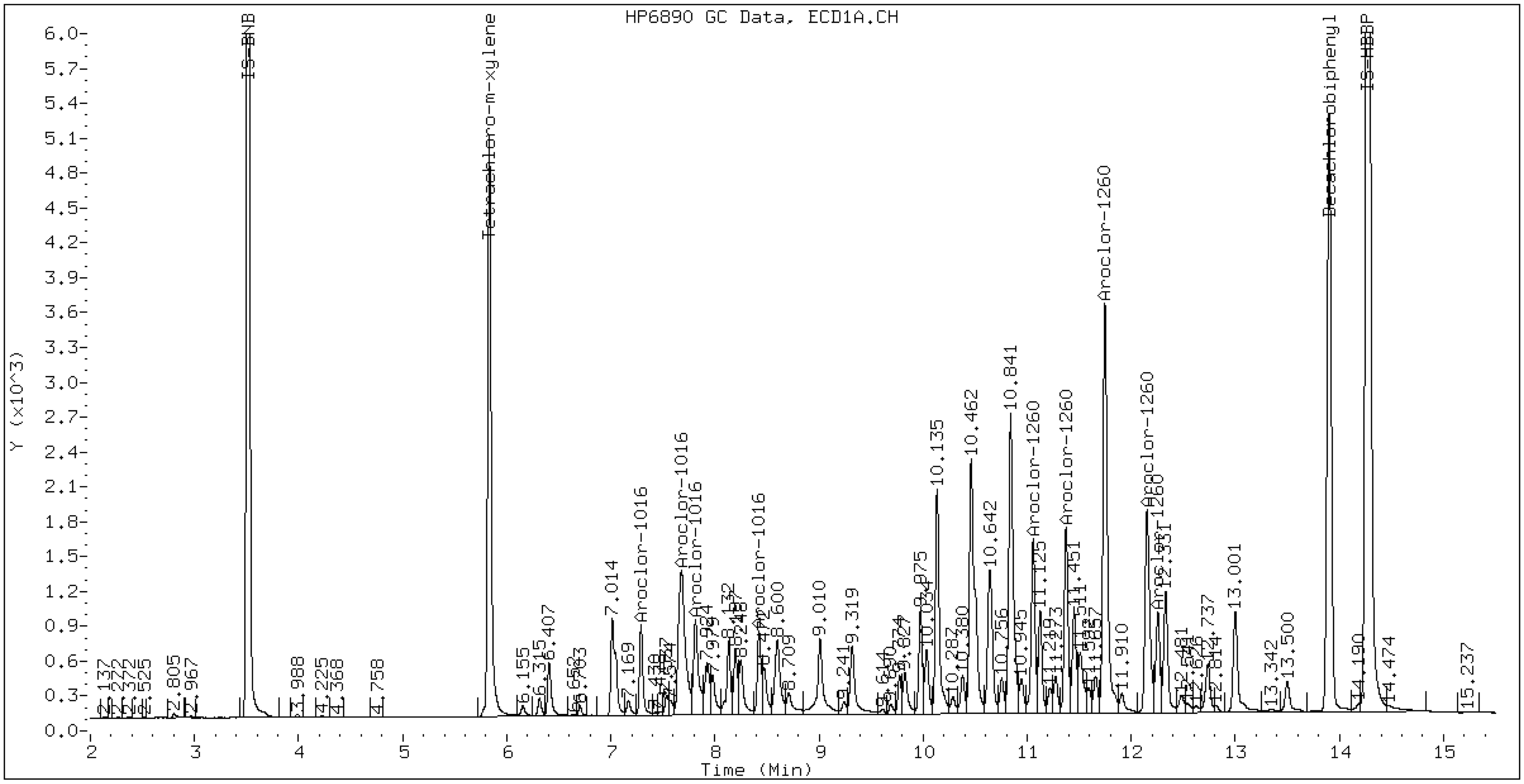
 Total PCB Area Col2 (5.807 - 14.028) =    1565106     Col2 Total PCB = 0.5 ppm*


   *  Quantitated against AR1660 0.25ppm in Ical


                                        PCB-Form 10 Mod.
```

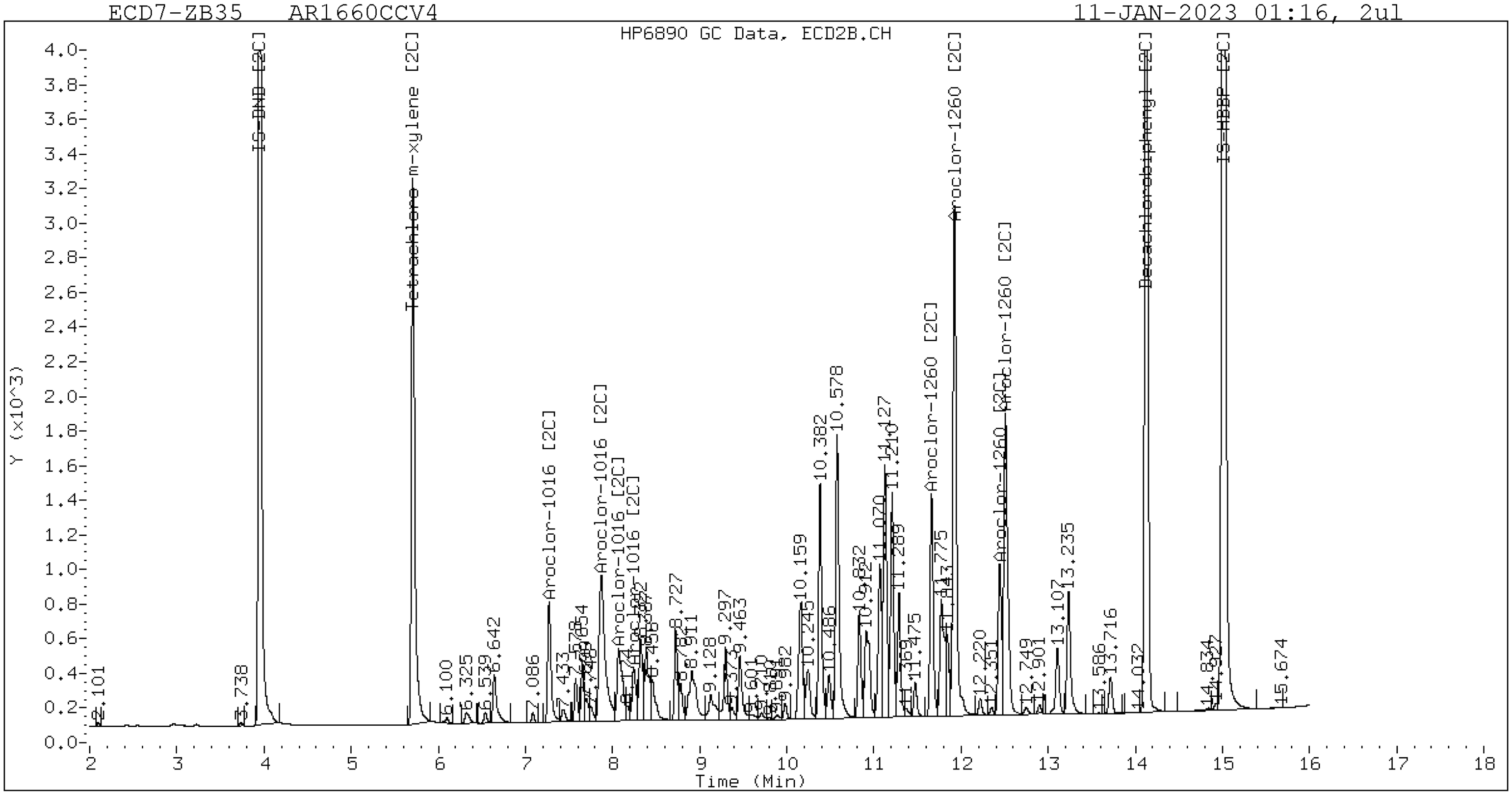
PCB Dual Column Chromatograms

ECD7-ZB5 AR1660CCV4 11-JAN-2023 01:16, 2ul



ZB-5 Manual Integration: NO

ECD7-ZB35 AR1660CCV4 11-JAN-2023 01:16, 2ul



ZB-35 Manual Integration: NO

CONTINUING CALIBRATION CHECK

EPA 8082A

Laboratory: Analytical Resources, LLC
SDG: 22L0307
Client: Anchor QEA, LLC
Project: AOC4 UR Phase 3
Instrument ID: ECD7
Calibration: FL00010
Lab File ID: 01102341ECD7.D
Calibration Date: 12/03/2022
Sequence: SLA0156
Injection Date: 01/11/23
Lab Sample ID: SLA0156-CCV5
Injection Time: 06:32
Sequence Name: AR1254CCV5

		CONC. (ug/L)		RESPONSE FACTOR (RRF)			% DRIFT/DIFF	
COMPOUND	TYPE	STD	CCV	ICAL	CCV	MIN	CCV	LIMIT
Aroclor 1254	A	250.00	307	0.0576965	0.0709217		23.0	+/-20 *
Aroclor-1254 (1)	A	250.00	297		0.0837710			
Aroclor-1254 (2)	A	250.00	349		0.0382346			
Aroclor-1254 (3)	A	250.00	245		0.0436690			
Aroclor-1254 (4)	A	250.00	323		0.1120792			
Aroclor-1254 (5)	A	250.00	323		0.0768549			
Aroclor 1254 [2C]	A	250.00	300	0.0638047	0.0763025		19.9	+/-20
Aroclor-1254 (1) [2C]	A	250.00	284		0.0586246			
Aroclor-1254 (2) [2C]	A	250.00	306		0.0507771			
Aroclor-1254 (3) [2C]	A	250.00	283		0.1009268			
Aroclor-1254 (4) [2C]	A	250.00	312		0.1153269			
Aroclor-1254 (5) [2C]	A	250.00	314		0.0558574			
Decachlorobiphenyl	A	40.000	39.2	0.7333327	0.7186425		-2.0	+/-20
Tetrachlorometaxylene	A	40.000	38.0	1.1336710	1.0781230		-5.0	+/-20
Decachlorobiphenyl [2C]	A	40.000	41.6	1.1358180	1.1799930		4.0	+/-20
Tetrachlorometaxylene [2C]	A	40.000	37.8	1.0966080	1.0354500		-5.5	+/-20

* Values outside of QC limits

* Values outside of QC limits

```
                                  Analytical Resources Inc.
                             Dual Column 608/8082 PCB Quantitation Report

 Data file 1: /230110.b/01102341ECD7.D                         ARI ID: AR1254CCV5
 Data file 2: /230110.b/230110.b/01102341ECD7.D                Client ID:
 Method: \\target\share\chem4\ecd7.i\230110.b\PCB.m            Injection Date: 11-JAN-2023 06:32
 Compound Sublist: AR1254.sub                                     Report Date: 01/13/2023 12:58
 Instrument, Inj. Vol.: ecd7.i, 2ul                            Matrix: NONE
 Quant Method: Internal Std                                    Dilution Factor:  1.0



                                     SURROGATES

        ZB5 Col          |        ZB35 Col          |   ZB5    ZB35
   RT    Shift Response  | RT    Shift  Response    |  on col  on col    RPD   Compound/Flag
 ============================================================================================

  5.831 -0.005   231211 | 5.708   0.001   164520|   38.0    37.8      0.7    Tetrachloro-m-xylene
 13.904 -0.004   359470 |14.128   0.001   343437|   39.2    41.6      5.8    Decachlorobiphenyl


*  Indicates RPD > 40%




                                INTERNAL STANDARD SUMMARY

                                            Column 1
                                     Standard    Sample
                   Standard Cpnd       Area*       Area      %D
               -------------------------------------------------
                 Bromo-Nitrobenzene    447645      428914   -4.2
                 Hexabromobiphenyl     798898     1000414   25.2

                                            Column 2
                                     Standard    Sample
                   Standard Cpnd       Area*       Area      %D
               -------------------------------------------------
                 Bromo-Nitrobenzene    249094     317775    27.6
                 Hexabromobiphenyl     362541     582100    60.6


                * Standard Areas taken from Initial Cal Level 3
                  Initial Calibration Date: 03-DEC-2022
               <- Indicates standard response outside Limits (-50 to +100%)
```

```
//target/share/chem4/ecd7.i/230110.b/01102341ECD7.D      AR1254CCV5                     page 2
                              ZB5 Col                                ZB35 Col
 Aroclor    Peak#    RT    Shift    Area    Amount    Peak#   RT     Shift    Area   Amount
 ===========================================================================================
 Aroclor-1254 1   9.316  -0.005    112283   297.3      1    9.462   0.000    58217   284.1
 Aroclor-1254 2   9.395  -0.007     51248   348.9      2    9.981   0.000    50424   306.1
 Aroclor-1254 3   9.685  -0.009     58532   245.4      3   10.134   0.000   100225   283.1
 Aroclor-1254 4   9.824  -0.007    150226   323.1      4   10.382   0.000   114525   312.3
 Aroclor-1254 5  10.192   0.002    103013   323.2      5   10.580   0.000    55469   313.6
       Total Col1Ave (5 peaks):   307.6       Total Col2Ave (5 peaks):   299.9   RPD = 3
       Corrected Ave (4 peaks):   297.3       Corrected Ave (4 peaks):   296.4   RPD = 0

                     CalAmt %D:    23.0                    CalAmt %D:    19.9




 Total PCB Area Col1 (5.936 - 13.808) =    1564652     Col1 Total PCB = 0.4 ppm*

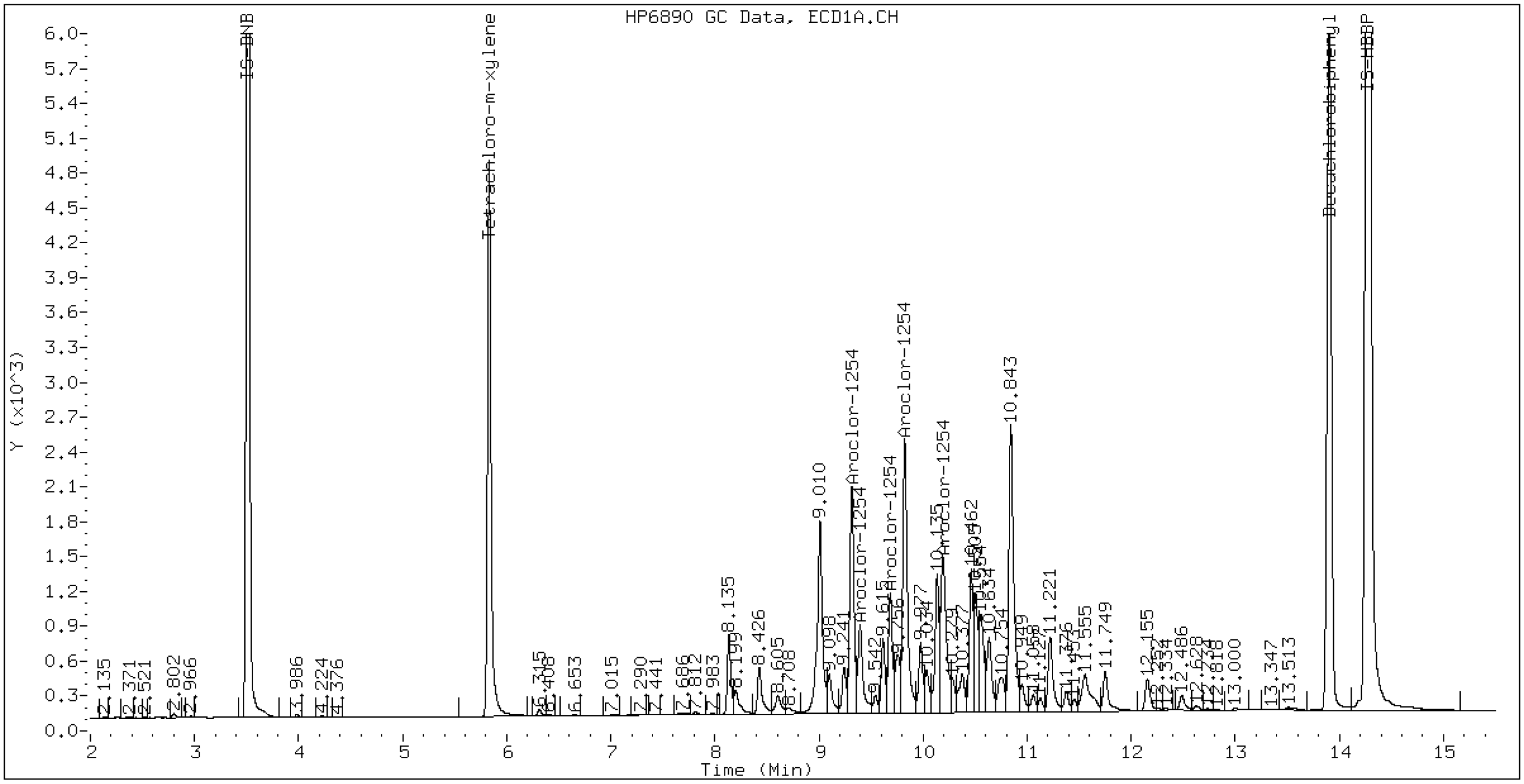
 Total PCB Area Col2 (5.807 - 14.028) =    1043420     Col2 Total PCB = 0.4 ppm*


   *  Quantitated against AR1660 0.25ppm in Ical


                                        PCB-Form 10 Mod.
```

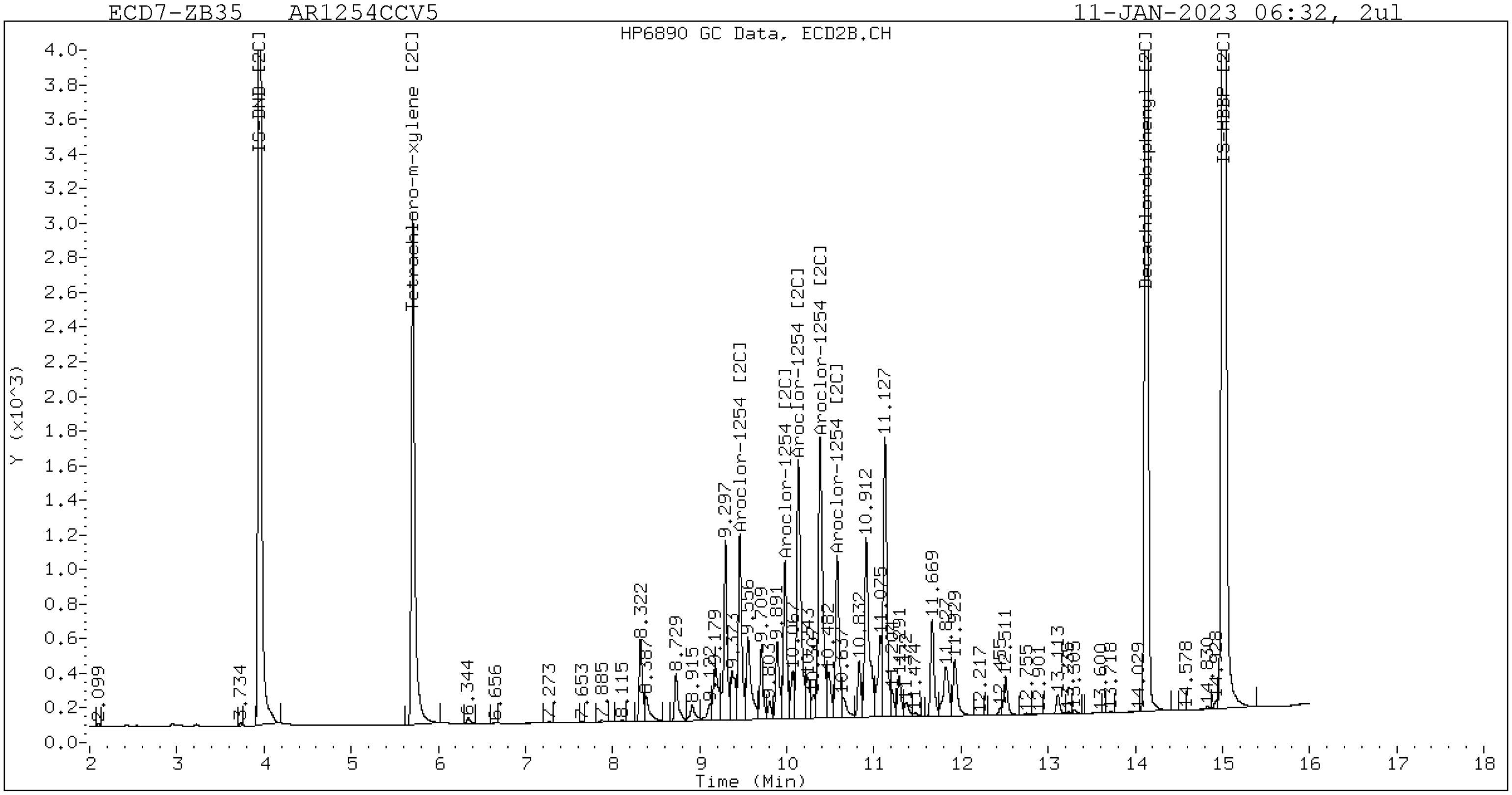
PCB Dual Column Chromatograms

ECD7-ZB5 AR1254CCV5 11-JAN-2023 06:32, 2ul



ZB-5 Manual Integration: NO

ECD7-ZB35 AR1254CCV5 11-JAN-2023 06:32, 2ul

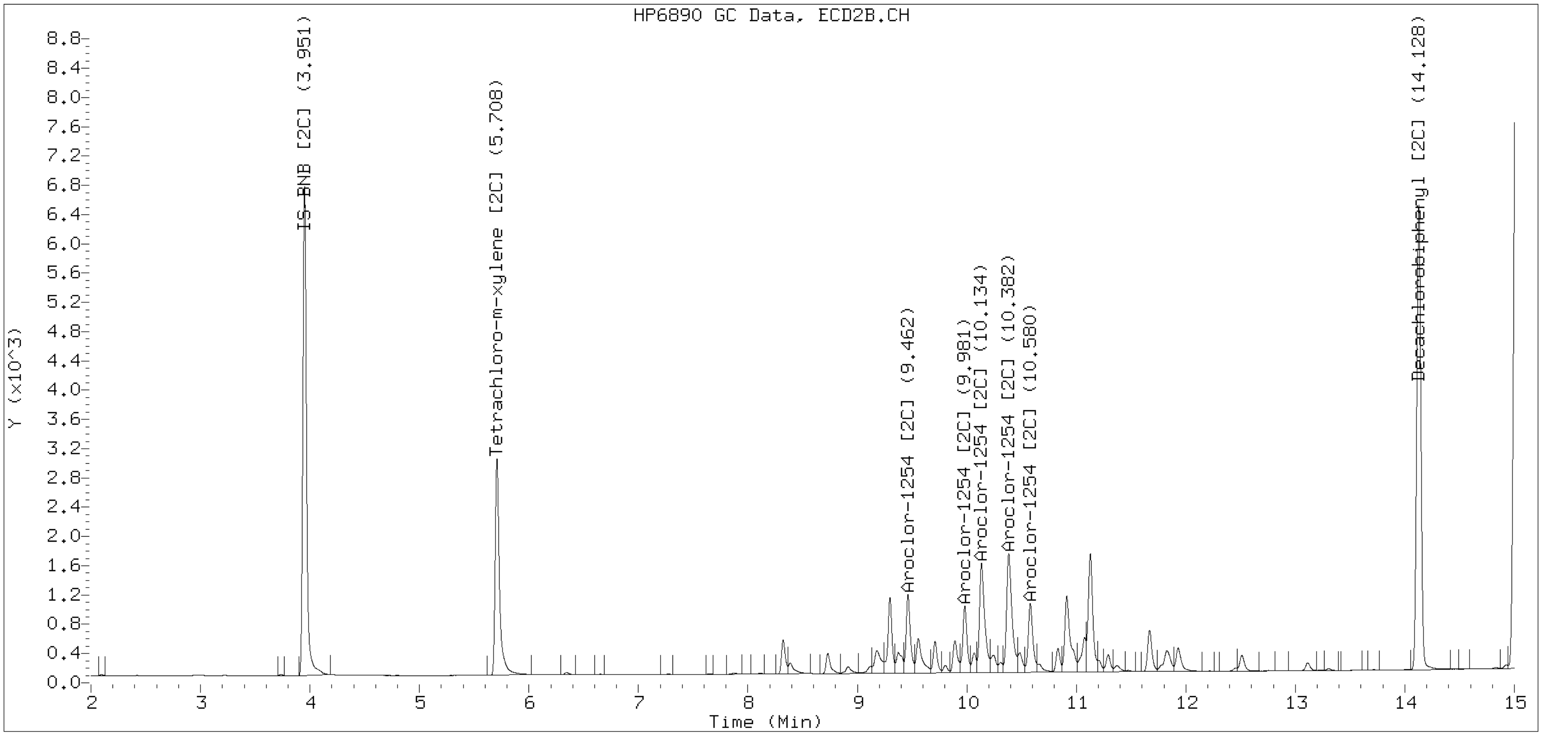


ZB-35 Manual Integration: YES

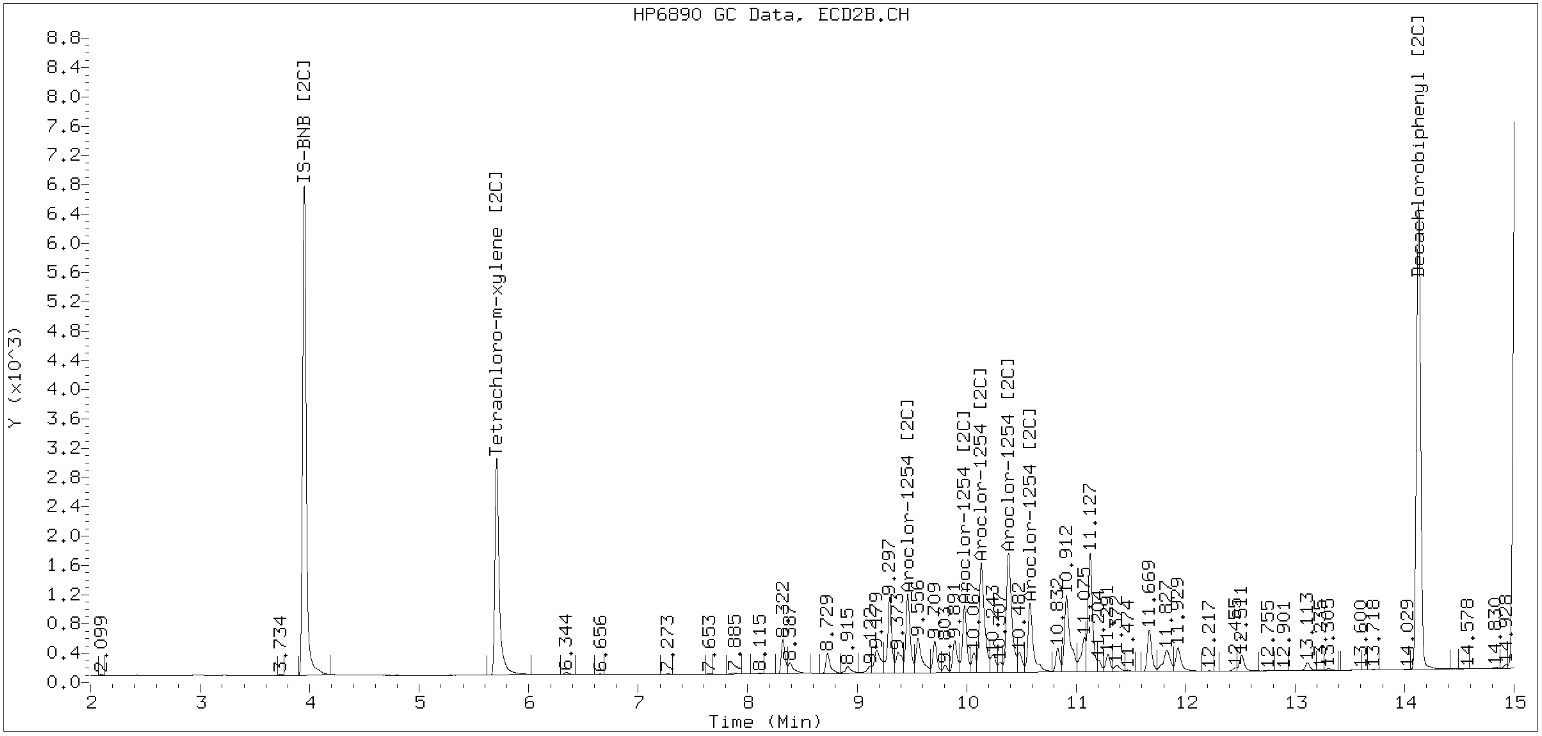
Manual Peak Adjustment, ZB-35

Datafile: ecd7.i/230110.b/230110.b/01102341ECD7.D   Injection Date: 11-JAN-2023

Manual Integration (After)



Processed Integration (Before)



CONTINUING CALIBRATION CHECK

EPA 8082A

Laboratory:	Analytical Resources, LLC	SDG:	22L0307
Client:	Anchor QEA, LLC	Project:	AOC4 UR Phase 3
Instrument ID:	ECD7	Calibration:	FL00010
Lab File ID:	01102342ECD7.D	Calibration Date:	12/03/2022
Sequence:	SLA0156	Injection Date:	01/11/23
Lab Sample ID:	SLA0156-CCV6	Injection Time:	06:53
Sequence Name:	AR1660CCV6		

		CONC. (ug/L)		RESPONSE FACTOR (RRF)			% DRIFT/DIFF	
COMPOUND	TYPE	STD	CCV	ICAL	CCV	MIN	CCV	LIMIT
Aroclor 1016	A	250.00	279	0.0441939	0.0488494		11.6	+/-20
Aroclor-1016 (1)	A	250.00	270	0.0266860	0.0288033		8.0	
Aroclor-1016 (2)	A	250.00	270	0.0861572	0.0929615		8.0	
Aroclor-1016 (3)	A	250.00	288	0.0390425	0.0450037		15.2	
Aroclor-1016 (4)	A	250.00	288	0.0248899	0.0286291		15.2	
Aroclor 1016 [2C]	A	250.00	250	0.0467310	0.0464263		0.0	+/-20
Aroclor-1016 (1) [2C]	A	250.00	246	0.0409030	0.0402270		-1.6	
Aroclor-1016 (2) [2C]	A	250.00	247	0.0882154	0.0871150		-1.2	
Aroclor-1016 (3) [2C]	A	250.00	249	0.0378846	0.0378001		-0.4	
Aroclor-1016 (4) [2C]	A	250.00	258	0.0199212	0.0205632		3.2	
Aroclor 1260	A	250.00	269	0.0390342	0.0420542		7.8	+/-20
Aroclor-1260 (1)	A	250.00	263	0.0291201	0.0305996		5.2	
Aroclor-1260 (2)	A	250.00	271	0.0301181	0.0326991		8.4	
Aroclor-1260 (3)	A	250.00	273	0.0791351	0.0863261		9.2	
Aroclor-1260 (4)	A	250.00	263	0.0403003	0.0423892		5.2	
Aroclor-1260 (5)	A	250.00	277	0.0164974	0.0182569		10.8	
Aroclor 1260 [2C]	A	250.00	242	0.0617619	0.0596835		-3.3	+/-20
Aroclor-1260 (1) [2C]	A	250.00	236	0.0422283	0.0398008		-5.6	
Aroclor-1260 (2) [2C]	A	250.00	239	0.1059643	0.1012927		-4.4	
Aroclor-1260 (3) [2C]	A	250.00	244	0.0282173	0.0275141		-2.4	
Aroclor-1260 (4) [2C]	A	250.00	248	0.0706376	0.0701263		-0.8	
Decachlorobiphenyl	A	40.000	41.6	0.7333327	0.7630012		4.0	+/-20
Tetrachlorometaxylene	A	40.000	41.5	1.1336710	1.1761500		3.8	+/-20
Decachlorobiphenyl [2C]	A	40.000	41.4	1.1358180	1.1769790		3.5	+/-20
Tetrachlorometaxylene [2C]	A	40.000	39.8	1.0966080	1.0904420		-0.5	+/-20

* Values outside of QC limits

```
                              Analytical Resources Inc.
                         Dual Column 608/8082 PCB Quantitation Report

Data file 1: /230110.b/01102342ECD7.D                    ARI ID: AR1660CCV6
Data file 2: /230110.b/230110.b/01102342ECD7.D           Client ID:
Method: \\target\share\chem4\ecd7.i\230110.b\PCB.m       Injection Date: 11-JAN-2023 06:53
Compound Sublist: AR1660.sub                                Report Date: 01/13/2023 12:58
Instrument, Inj. Vol.: ecd7.i, 2ul                       Matrix: NONE
Quant Method: Internal Std                               Dilution Factor:  1.0



                                 SURROGATES

       ZB5 Col          |       ZB35 Col         |   ZB5    ZB35
  RT    Shift Response | RT    Shift  Response  |  on col  on col    RPD   Compound/Flag
============================================================================================

  5.831 -0.005   244180 | 5.707   0.000   167427|   41.5    39.8      4.2    Tetrachloro-m-xylene
 13.903 -0.005   359575 |14.128   0.000   329221|   41.6    41.4      0.4    Decachlorobiphenyl


*  Indicates RPD > 40%



                            INTERNAL STANDARD SUMMARY

                                        Column 1
                                 Standard    Sample
                 Standard Cpnd     Area*       Area      %D
               ------------------------------------------------
                 Bromo-Nitrobenzene    447645      415219   -7.2
                 Hexabromobiphenyl     798898      942528   18.0

                                        Column 2
                                 Standard    Sample
                 Standard Cpnd     Area*       Area      %D
               ------------------------------------------------
                 Bromo-Nitrobenzene    249094     307081    23.3
                 Hexabromobiphenyl     362541     559434    54.3


                * Standard Areas taken from Initial Cal Level 3
                  Initial Calibration Date: 03-DEC-2022
               <- Indicates standard response outside Limits (-50 to +100%)
```

```
                            ZB5 Col                          ZB35 Col
 Aroclor   Peak#    RT    Shift    Area    Amount    Peak#   RT     Shift    Area   Amount
 =======================================================================================
 Aroclor-1016 1   7.289  -0.005    37374   269.8      1    7.271   0.000    38603   245.9
 Aroclor-1016 2   7.679  -0.005   120623   269.7      2    7.872   0.000    83598   246.9
 Aroclor-1016 3   7.811  -0.006    58395   288.2      3    8.071   0.000    36274   249.4
 Aroclor-1016 4   8.422  -0.007    37148   287.6      4    8.241   0.000    19733   258.1
       Total Col1Ave (4 peaks):   278.8       Total Col2Ave (4 peaks):   250.1   RPD = 11
       Corrected Ave (3 peaks):   275.7       Corrected Ave (3 peaks):   247.4   RPD = 11

                    CalAmt %D:    11.5                    CalAmt %D:     0.0

 Aroclor-1260 1  11.056  -0.006    90128   262.7      1   11.662   0.000    69581   235.6
 Aroclor-1260 2  11.373  -0.004    96312   271.4      2   11.926   0.000   177083   239.0
 Aroclor-1260 3  11.747  -0.005   254265   272.7      3   12.444   0.000    48101   243.8
 Aroclor-1260 4  12.152  -0.006   124853   263.0      4   12.510   0.000   122597   248.2
 Aroclor-1260 5  12.255  -0.007    53774   276.7      NS    ---                     ----
       Total Col1Ave (5 peaks):   269.3       Total Col2Ave (4 peaks):   241.6   RPD = 11
       Corrected Ave (4 peaks):   267.5       Corrected Ave (3 peaks):   239.5   RPD = 11

                    CalAmt %D:     7.7                    CalAmt %D:    -3.3




 Total PCB Area Col1 (5.936 - 13.808) =    2533843     Col1 Total PCB = 0.6 ppm*

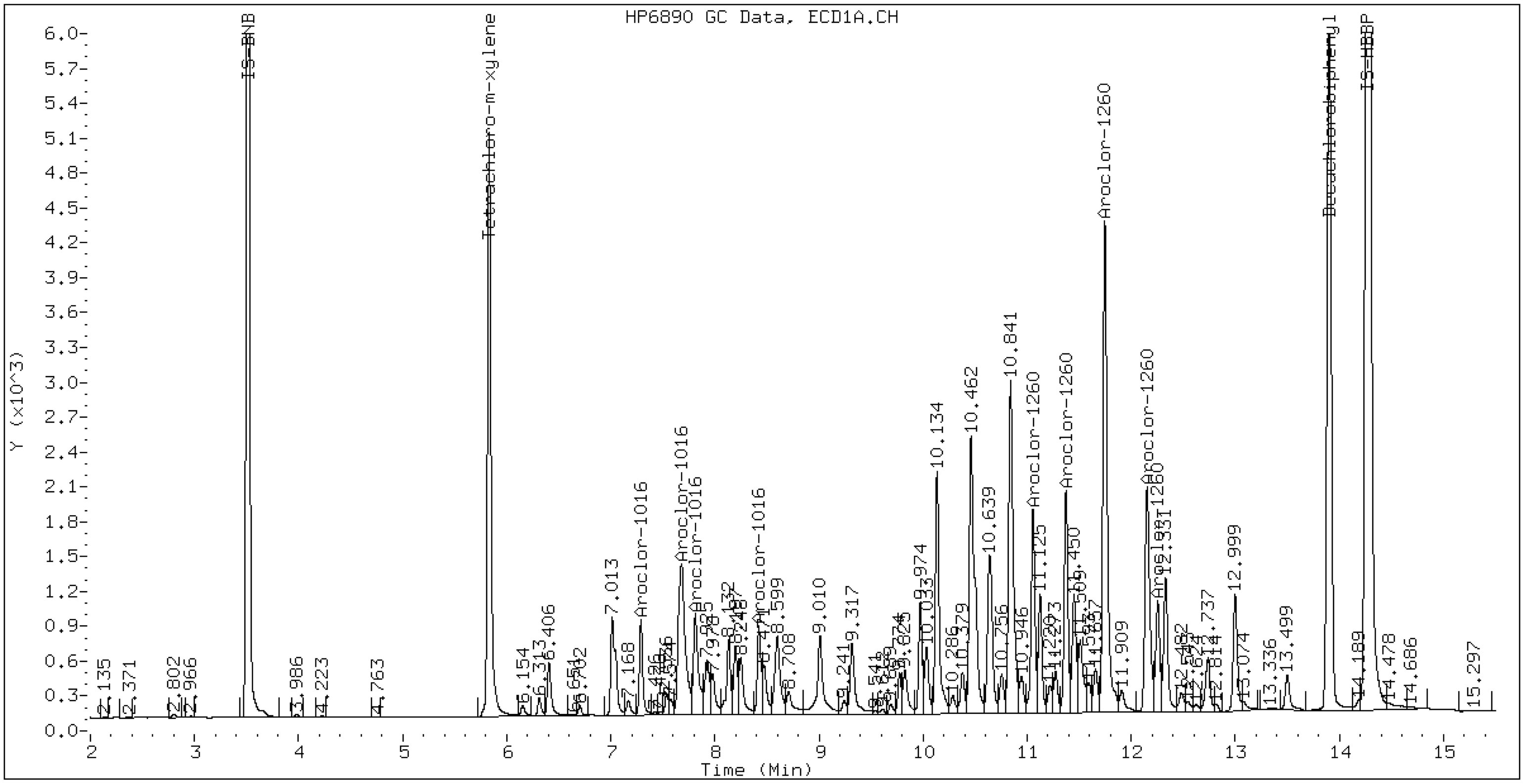
 Total PCB Area Col2 (5.807 - 14.028) =    1641469     Col2 Total PCB = 0.6 ppm*


   *  Quantitated against AR1660 0.25ppm in Ical
```

PCB-Form 10 Mod.

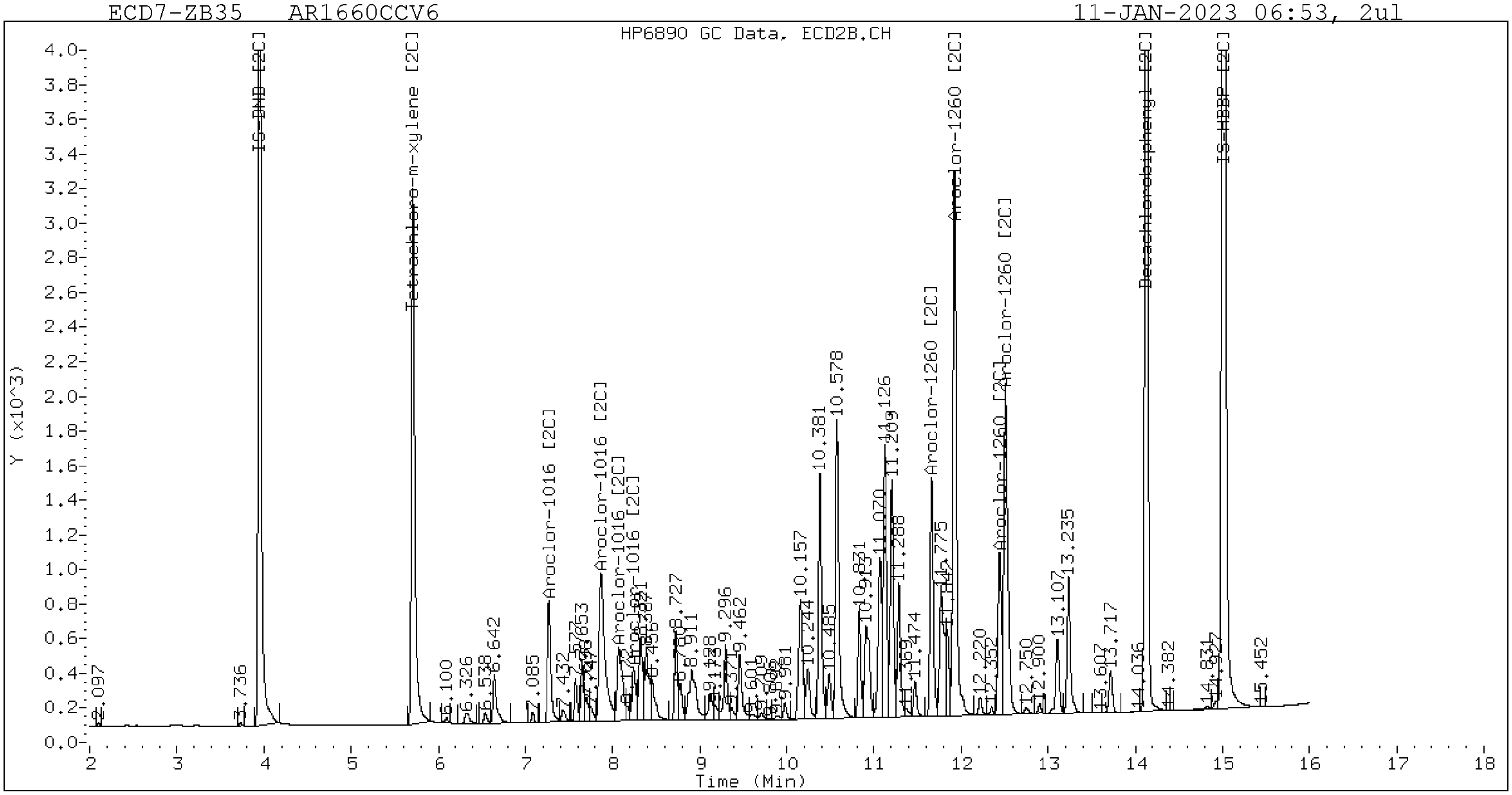
PCB Dual Column Chromatograms

ECD7-ZB5 AR1660CCV6 11-JAN-2023 06:53, 2ul



ZB-5 Manual Integration: NO

ECD7-ZB35 AR1660CCV6 11-JAN-2023 06:53, 2ul



ZB-35 Manual Integration: NO

Dual Column

ANALYSIS BATCH (SEQUENCE) SUMMARY

EPA 8082A

Laboratory:	Analytical Resources, LLC	SDG:	22L0307
Client:	Anchor QEA, LLC	Project:	AOC4 UR Phase 3
Sequence:	SKL0048	Instrument:	ECD7
		Calibration:	FL00010

Sample Name	Lab Sample ID	Column 1 File ID	Column 2 File ID	Matrix	Analysis Date/Time
Cal Standard	SKL0048-CAL1	12032211ECD7.D	12032211ECD7.D	NA	12/03/22 18:19
Cal Standard	SKL0048-CAL2	12032212ECD7.D	12032212ECD7.D	NA	12/03/22 18:40
Cal Standard	SKL0048-CAL3	12032213ECD7.D	12032213ECD7.D	NA	12/03/22 19:01
Cal Standard	SKL0048-CAL4	12032214ECD7.D	12032214ECD7.D	NA	12/03/22 19:23
Cal Standard	SKL0048-CAL5	12032215ECD7.D	12032215ECD7.D	NA	12/03/22 19:44
Cal Standard	SKL0048-CAL6	12032216ECD7.D	12032216ECD7.D	NA	12/03/22 20:05
Cal Standard	SKL0048-CAL7	12032217ECD7.D	12032217ECD7.D	NA	12/03/22 20:26
Cal Standard	SKL0048-CAL8	12032218ECD7.D	12032218ECD7.D	NA	12/03/22 20:48
Cal Standard	SKL0048-CAL9	12032219ECD7.D	12032219ECD7.D	NA	12/03/22 21:09
Cal Standard	SKL0048-CALA	12032220ECD7.D	12032220ECD7.D	NA	12/03/22 21:30
Cal Standard	SKL0048-CALB	12032221ECD7.D	12032221ECD7.D	NA	12/03/22 21:52
Secondary Cal Check	SKL0048-SCV1	12032222ECD7.D	12032222ECD7.D	NA	12/03/22 22:13
Secondary Cal Check	SKL0048-SCV2	12032223ECD7.D	12032223ECD7.D	NA	12/03/22 22:34
Secondary Cal Check	SKL0048-SCV3	12032224ECD7.D	12032224ECD7.D	NA	12/03/22 22:55
Secondary Cal Check	SKL0048-SCV4	12032225ECD7.D	12032225ECD7.D	NA	12/03/22 23:17
Secondary Cal Check	SKL0048-SCV5	12032226ECD7.D	12032226ECD7.D	NA	12/03/22 23:38
Secondary Cal Check	SKL0048-SCV6	12032227ECD7.D	12032227ECD7.D	NA	12/03/22 23:59

Printed: 12/6/2022 9:25:24AM

ANALYSIS SEQUENCE

SKL0048

Instrument: ECD7 Element Column ID:
Calibration ID: FL00010

Lab Number	Sample Name	Analysis	Container	Order	STD ID	ISTD ID	Analyzed	Comments
SKL0048-CAL1	0.25PPM AR1660	QC		1	K006954	K006953		
SKL0048-CAL2	0.02PPM AR1660	QC		2	K010070	K006953		
SKL0048-CAL3	0.05PPM AR1660	QC		3	K010069	K006953		
SKL0048-CAL4	1PPM AR1660	QC		4	K006741	K006953		
SKL0048-CAL5	0.1PPM AR1660	QC		5	K010068	K006953		
SKL0048-CAL6	0.5PPM AR1660	QC		6	K010067	K006953		
SKL0048-CAL7	0.25PPM AR1242	QC		7	K006955	K006953		
SKL0048-CAL8	0.25PPM AR1248	QC		8	K006956	K006953		
SKL0048-CAL9	0.25PPM AR1254	QC		9	K006957	K006953		
SKL0048-CALA	0.25PPM AR2162	QC		10	K010071	K006953		
SKL0048-CALB	0.25PPM AR3268	QC		11	K010072	K006953		
SKL0048-SCV1	AR1660SCV1	QC		12	K007655	K006953		
SKL0048-SCV2	AR1242SCV2	QC		13	K007656	K006953		
SKL0048-SCV3	AR1248SCV3	QC		14	K007657	K006953		
SKL0048-SCV4	AR1254SCV4	QC		15	K007658	K006953		
SKL0048-SCV5	AR2162SCV5	QC		16	K007659	K006953		
SKL0048-SCV6	AR3268SCV6	QC		17	K007660	K006953		

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GC LOG SUMMARY FOR DATABATCH - \\target\share\chem4\ecd7.i\221203.b

    Inject Date/Time    Filename    DF  LabID         ClientID
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 1  03-DEC-2022 17:58  12032210ECD7.D   1  IB
 2  03-DEC-2022 18:19  12032211ECD7.D   1  0.25PPAR1660
 3  03-DEC-2022 18:40  12032212ECD7.D   1  0.02PPAR1660
 4  03-DEC-2022 19:01  12032213ECD7.D   1  0.05PPAR1660
 5  03-DEC-2022 19:23  12032214ECD7.D   1  1PPMAR1660
 6  03-DEC-2022 19:44  12032215ECD7.D   1  0.1PPMAR1660
 7  03-DEC-2022 20:05  12032216ECD7.D   1  0.5PPMAR1660
 8  03-DEC-2022 20:26  12032217ECD7.D   1  AR1242
 9  03-DEC-2022 20:48  12032218ECD7.D   1  AR1248
10  03-DEC-2022 21:09  12032219ECD7.D   1  AR1254
11  03-DEC-2022 21:30  12032220ECD7.D   1  AR2162
12  03-DEC-2022 21:52  12032221ECD7.D   1  AR3268
13  03-DEC-2022 22:13  12032222ECD7.D   1  AR1660SCV1
14  03-DEC-2022 22:34  12032223ECD7.D   1  AR1242SCV2
15  03-DEC-2022 22:55  12032224ECD7.D   1  AR1248SCV3
16  03-DEC-2022 23:17  12032225ECD7.D   1  AR1254SCV4
17  03-DEC-2022 23:38  12032226ECD7.D   1  AR2162SCV5
18  03-DEC-2022 23:59  12032227ECD7.D   1  AR3268SCV6
19  04-DEC-2022 00:20  12032228ECD7.D   1  0.1 PPM DDTS
20  04-DEC-2022 00:42  12032229ECD7.D   1  DDT BD
21  04-DEC-2022 01:03  12032230ECD7.D   1  AR1254ICV1
22  04-DEC-2022 01:24  12032231ECD7.D   1  AR1660ICV2
23  04-DEC-2022 01:46  12032232ECD7.D   1  BKK0834-BLK1
24  04-DEC-2022 02:07  12032233ECD7.D   1  BKK0834-BS1
25  04-DEC-2022 02:28  12032234ECD7.D   1  BKK0834-BSD1
26  04-DEC-2022 02:49  12032235ECD7.D   1  22K0523-01
27  04-DEC-2022 03:11  12032236ECD7.D   1  22K0525-01
28  04-DEC-2022 03:32  12032237ECD7.D   1  BKK0374-BLK1
29  04-DEC-2022 03:53  12032238ECD7.D   1  BKK0374-BS1
30  04-DEC-2022 04:15  12032239ECD7.D   1  BKK0374-BSD1
31  04-DEC-2022 04:36  12032240ECD7.D   1  22K0161-01
32  04-DEC-2022 04:57  12032241ECD7.D   1  AR1248CCV1
33  04-DEC-2022 05:18  12032242ECD7.D   1  AR1660CCV2
34  04-DEC-2022 05:40  12032243ECD7.D   1  BKL0017-BLK1
35  04-DEC-2022 06:01  12032244ECD7.D   1  BKL0017-BS1
36  04-DEC-2022 06:22  12032245ECD7.D   1  BKL0017-BSD1
37  04-DEC-2022 06:44  12032246ECD7.D   1  22J0139-01
38  04-DEC-2022 07:05  12032247ECD7.D   1  BKK0383-BLK1
39  04-DEC-2022 07:26  12032248ECD7.D   1  BKK0383-BS1
40  04-DEC-2022 07:47  12032249ECD7.D   1  BKK0383-BSD
41  04-DEC-2022 08:09  12032250ECD7.D   1  22K0075-01
42  04-DEC-2022 08:30  12032251ECD7.D   1  BKK00803-BLK1
43  04-DEC-2022 08:51  12032252ECD7.D   1  BKK00803-BS1
44  04-DEC-2022 09:13  12032253ECD7.D   1  BKK00803-BSD1
45  04-DEC-2022 09:34  12032254ECD7.D   1  22K0511-01
46  04-DEC-2022 09:55  12032255ECD7.D   1  AR1242CCV3
47  04-DEC-2022 10:17  12032256ECD7.D   1  AR1660CCV4
```

MANUAL INTEGRATION SUMMARY FOR DATABATCH - \\target\share\chem4\ecd7.i\221203.b

Instrument: ecd7.i   Date: 03-DEC-2022

```
Time  Filename          LabID             DF   Manually Integrated Compounds
------------------------------------------------------------------------------------------------------------------------------------------------------------------
1758  12032210ECD7.D   IB                 1    NO MANUAL INTEGRATION
------------------------------------------------------------------------------------------------------------------------------------------------------------------
1819  12032211ECD7.D   0.25PPAR1660       1    NO MANUAL INTEGRATION
------------------------------------------------------------------------------------------------------------------------------------------------------------------
1840  12032212ECD7.D   0.02PPAR1660       1    NO MANUAL INTEGRATION
------------------------------------------------------------------------------------------------------------------------------------------------------------------
1901  12032213ECD7.D   0.05PPAR1660       1    NO MANUAL INTEGRATION
------------------------------------------------------------------------------------------------------------------------------------------------------------------
1923  12032214ECD7.D   1PPMAR1660         1    NO MANUAL INTEGRATION
------------------------------------------------------------------------------------------------------------------------------------------------------------------
1944  12032215ECD7.D   0.1PPMAR1660       1    NO MANUAL INTEGRATION
------------------------------------------------------------------------------------------------------------------------------------------------------------------
2005  12032216ECD7.D   0.5PPMAR1660       1    NO MANUAL INTEGRATION
------------------------------------------------------------------------------------------------------------------------------------------------------------------
2026  12032217ECD7.D   AR1242             1 Aroclor-1242,
------------------------------------------------------------------------------------------------------------------------------------------------------------------
2048  12032218ECD7.D   AR1248             1    NO MANUAL INTEGRATION
------------------------------------------------------------------------------------------------------------------------------------------------------------------
2109  12032219ECD7.D   AR1254             1    NO MANUAL INTEGRATION
------------------------------------------------------------------------------------------------------------------------------------------------------------------
2130  12032220ECD7.D   AR2162             1    NO MANUAL INTEGRATION
------------------------------------------------------------------------------------------------------------------------------------------------------------------
2152  12032221ECD7.D   AR3268             1    NO MANUAL INTEGRATION
------------------------------------------------------------------------------------------------------------------------------------------------------------------
2213  12032222ECD7.D   AR1660SCV1         1    NO MANUAL INTEGRATION
------------------------------------------------------------------------------------------------------------------------------------------------------------------
2234  12032223ECD7.D   AR1242SCV2         1    NO MANUAL INTEGRATION
------------------------------------------------------------------------------------------------------------------------------------------------------------------
2255  12032224ECD7.D   AR1248SCV3         1    NO MANUAL INTEGRATION
------------------------------------------------------------------------------------------------------------------------------------------------------------------
2317  12032225ECD7.D   AR1254SCV4         1    NO MANUAL INTEGRATION
------------------------------------------------------------------------------------------------------------------------------------------------------------------
2338  12032226ECD7.D   AR2162SCV5         1    NO MANUAL INTEGRATION
------------------------------------------------------------------------------------------------------------------------------------------------------------------
```

MANUAL INTEGRATION SUMMARY FOR DATABATCH - \\target\share\chem4\ecd7.i\221203.b

Instrument: ecd7.i   Date: 03-DEC-2022

```
Time  Filename          LabID            DF   Manually Integrated Compounds
------------------------------------------------------------------------------------------------------------------------------------------------------------------
2359  12032227ECD7.D   AR3268SCV6        1    NO MANUAL INTEGRATION
------------------------------------------------------------------------------------------------------------------------------------------------------------------
```

Dual Column

ANALYSIS BATCH (SEQUENCE) SUMMARY

EPA 8082A

Laboratory:	Analytical Resources, LLC	SDG:	22L0307
Client:	Anchor QEA, LLC	Project:	AOC4 UR Phase 3
Sequence:	SLA0071	Instrument:	ECD7
		Calibration:	FL00010

Sample Name	Lab Sample ID	Column 1 File ID	Column 2 File ID	Matrix	Analysis Date/Time
LDW22-IT795E	22L0307-12	12312241ECD7.D	12312241ECD7.D	Solid	01/01/23 00:13
LDW22-IT795F	22L0307-13	12312242ECD7.D	12312242ECD7.D	Solid	01/01/23 00:34
LDW22-IT795G	22L0307-14	12312243ECD7.D	12312243ECD7.D	Solid	01/01/23 00:55
LDW22-IT806A	22L0307-15	12312244ECD7.D	12312244ECD7.D	Solid	01/01/23 01:16
LDW22-IT806B	22L0307-16	12312245ECD7.D	12312245ECD7.D	Solid	01/01/23 01:37
LDW22-IT806C	22L0307-17	12312246ECD7.D	12312246ECD7.D	Solid	01/01/23 01:58
LDW22-IT806D	22L0307-18	12312247ECD7.D	12312247ECD7.D	Solid	01/01/23 02:19
LDW22-IT806E	22L0307-19	12312248ECD7.D	12312248ECD7.D	Solid	01/01/23 02:40
LDW22-IT806F	22L0307-20	12312249ECD7.D	12312249ECD7.D	Solid	01/01/23 03:01
Calibration Check	SLA0071-CCV5	12312250ECD7.D	12312250ECD7.D	NA	01/01/23 03:22
Calibration Check	SLA0071-CCV6	12312251ECD7.D	12312251ECD7.D	NA	01/01/23 03:43
Calibration Check	SLA0071-CCV7	12312258ECD7.D	12312258ECD7.D	NA	01/01/23 06:11
Calibration Check	SLA0071-CCV8	12312259ECD7.D	12312259ECD7.D	NA	01/01/23 06:32
Initial Cal Check	SLA0071-ICV1	12312202ECD7.D	12312202ECD7.D	NA	12/31/22 10:31
Initial Cal Check	SLA0071-ICV2	12312203ECD7.D	12312203ECD7.D	NA	12/31/22 10:52
Calibration Check	SLA0071-CCV1	12312220ECD7.D	12312220ECD7.D	NA	12/31/22 16:50
Calibration Check	SLA0071-CCV2	12312221ECD7.D	12312221ECD7.D	NA	12/31/22 17:11
Blank	BKL0581-BLK1	12312222ECD7.D	12312222ECD7.D	Solid	12/31/22 17:32
LCS	BKL0581-BS1	12312223ECD7.D	12312223ECD7.D	Solid	12/31/22 17:53
LCS Dup	BKL0581-BSD1	12312224ECD7.D	12312224ECD7.D	Solid	12/31/22 18:14
Reference	BKL0581-SRM1	12312225ECD7.D	12312225ECD7.D	Solid	12/31/22 18:36
LDW22-IT795F	BKL0581-MS1	12312226ECD7.D	12312226ECD7.D	Solid	12/31/22 18:57
LDW22-IT795F	BKL0581-MSD1	12312227ECD7.D	12312227ECD7.D	Solid	12/31/22 19:18
LDW22-IT793B	22L0307-02	12312229ECD7.D	12312229ECD7.D	Solid	12/31/22 20:00
LDW22-IT793C	22L0307-03	12312230ECD7.D	12312230ECD7.D	Solid	12/31/22 20:21
LDW22-IT793D	22L0307-04	12312231ECD7.D	12312231ECD7.D	Solid	12/31/22 20:42
LDW22-IT793D-FD	22L0307-05	12312232ECD7.D	12312232ECD7.D	Solid	12/31/22 21:03
LDW22-IT793E	22L0307-06	12312233ECD7.D	12312233ECD7.D	Solid	12/31/22 21:24
LDW22-IT793F	22L0307-07	12312234ECD7.D	12312234ECD7.D	Solid	12/31/22 21:45

Dual Column

ANALYSIS BATCH (SEQUENCE) SUMMARY

EPA 8082A

Laboratory:	Analytical Resources, LLC	SDG:	22L0307
Client:	Anchor QEA, LLC	Project:	AOC4 UR Phase 3
Sequence:	SLA0071	Instrument:	ECD7
		Calibration:	FL00010

Sample Name	Lab Sample ID	Column 1 File ID	Column 2 File ID	Matrix	Analysis Date/Time
Calibration Check	SLA0071-CCV3	12312238ECD7.D	12312238ECD7.D	NA	12/31/22 23:10
Calibration Check	SLA0071-CCV4	12312239ECD7.D	12312239ECD7.D	NA	12/31/22 23:31
LDW22-IT795D	22L0307-11	12312240ECD7.D	12312240ECD7.D	Solid	12/31/22 23:52

Analytical Resources, LLC
Analytical Chemists and Consultants

ANALYSIS SEQUENCE

SLA0071

Instrument: ECD7
Calibration ID: FL00010

Printed: 1/6/2023 12:46:56PM

Lab Number	Analysis	Container	Order	Position	STD ID	ISTD ID	Client	Comments
SLA0071-ICV1	QC		1		K006957	K006953		
SLA0071-ICV2	QC		2		K006954	K006953		
BKL0488-BLK1	QC		3			K006953		
BKL0488-BS1	QC		4			K006953		
BKL0488-BSD1	QC		5			K006953		
BKL0488-SRM1	QC		6			K006953		
BKL0488-MS1	QC		7			K006953		
BKL0488-MSD1	QC		8			K006953		
22L0199-63	8082A PCB Solid 4	B 01	9			K006953	Anchor QEA, LLC	
22L0199-64	8082A PCB Solid 4	B 01	10			K006953	Anchor QEA, LLC	
22L0199-65	8082A PCB Solid 4	B 01	11			K006953	Anchor QEA, LLC	
22L0199-66	8082A PCB Solid 4	B 01	12			K006953	Anchor QEA, LLC	
22L0199-67	8082A PCB Solid 4	B 01	13			K006953	Anchor QEA, LLC	
22L0199-68	8082A PCB Solid 4	B 01	14			K006953	Anchor QEA, LLC	
22L0199-69	8082A PCB Solid 4	B 01	15			K006953	Anchor QEA, LLC	
22L0199-70	8082A PCB Solid 4	B 01	16			K006953	Anchor QEA, LLC	
SLA0071-CCV1	QC		17		K006956	K006953		
SLA0071-CCV2	QC		18		K006954	K006953		
BKL0581-BLK1	QC		19			K006953		
BKL0581-BS1	QC		20			K006953		
BKL0581-BSD1	QC		21			K006953		

Samples Loaded By Date

Data Processed By Date

ANALYSIS SEQUENCE

SLA0071

Instrument: ECD7
Calibration ID: FL00010

Printed: 1/6/2023 12:46:56PM

Lab Number	Analysis	Container	Order	Position	STD ID	ISTD ID	Client	Comments
BKL0581-SRM1	QC		22			K006953		
BKL0581-MS1	QC		23			K006953		
BKL0581-MSD1	QC		24			K006953		
22L0307-01	8082A PCB Solid 4	B 01	25			K006953	Anchor QEA, LLC	
22L0307-02	8082A PCB Solid 4	B 01	26			K006953	Anchor QEA, LLC	
22L0307-03	8082A PCB Solid 4	B 01	27			K006953	Anchor QEA, LLC	
22L0307-04	8082A PCB Solid 4	B 01	28			K006953	Anchor QEA, LLC	
22L0307-05	8082A PCB Solid 4	B 01	29			K006953	Anchor QEA, LLC	
22L0307-06	8082A PCB Solid 4	B 01	30			K006953	Anchor QEA, LLC	
22L0307-07	8082A PCB Solid 4	B 01	31			K006953	Anchor QEA, LLC	
SLA0071-CCV3	QC		32		K006955	K006953		
SLA0071-CCV4	QC		33		K006954	K006953		
22L0307-11	8082A PCB Solid 4	B 01	34			K006953	Anchor QEA, LLC	
22L0307-12	8082A PCB Solid 4	B 01	35			K006953	Anchor QEA, LLC	
22L0307-13	8082A PCB Solid 4	B 01	36			K006953	Anchor QEA, LLC	
22L0307-14	8082A PCB Solid 4	B 01	37			K006953	Anchor QEA, LLC	
22L0307-15	8082A PCB Solid 4	B 01	38			K006953	Anchor QEA, LLC	
22L0307-16	8082A PCB Solid 4	B 01	39			K006953	Anchor QEA, LLC	
22L0307-17	8082A PCB Solid 4	B 01	40			K006953	Anchor QEA, LLC	
22L0307-18	8082A PCB Solid 4	B 01	41			K006953	Anchor QEA, LLC	
22L0307-19	8082A PCB Solid 4	B 01	42			K006953	Anchor QEA, LLC	

Samples Loaded By Date

Data Processed By Date

ANALYSIS SEQUENCE

SLA0071

Instrument: ECD7
Calibration ID: FL00010

Printed: 1/6/2023 12:46:56PM

Lab Number	Analysis	Container	Order	Position	STD ID	ISTD ID	Client	Comments
22L0307-20	8082A PCB Solid 4	B 01	43			K006953	Anchor QEA, LLC	
SLA0071-CCV5	QC		44		K006957	K006953		
SLA0071-CCV6	QC		45		K006954	K006953		
22L0199-04	8082A PCB Solid 4	B 01	46			K006953	Anchor QEA, LLC	
22L0199-49	8082A PCB Solid 4	B 01	47			K006953	Anchor QEA, LLC	
22L0199-50	8082A PCB Solid 4	B 01	48			K006953	Anchor QEA, LLC	
22L0199-51	8082A PCB Solid 4	B 01	49			K006953	Anchor QEA, LLC	
22L0199-52	8082A PCB Solid 4	B 01	50			K006953	Anchor QEA, LLC	
22L0199-54	8082A PCB Solid 4	B 01	51			K006953	Anchor QEA, LLC	
SLA0071-CCV7	QC		52		K006956	K006953		
SLA0071-CCV8	QC		53		K006954	K006953		

Samples Loaded By Date

Data Processed By Date

```
GC LOG SUMMARY FOR DATABATCH - \\target\share\chem4\ecd7.i\221231.b

    Inject Date/Time    Filename    DF  LabID         ClientID
-----------------------------------------------------------------
 1  31-DEC-2022 10:10  12312201.D   1  DDTS
 2  31-DEC-2022 10:31  12312202.D   1  AR1254ICV1
 3  31-DEC-2022 10:52  12312203.D   1  AR1660ICV2
 4  31-DEC-2022 11:13  12312204.D   1  BKL0488-BLK1
 5  31-DEC-2022 11:34  12312205.D   1  BKL0488-BS1
 6  31-DEC-2022 11:55  12312206.D   1  BKL0488-BSD1
 7  31-DEC-2022 12:16  12312207.D   1  BKL0488-SRM1
 8  31-DEC-2022 12:37  12312208.D   1  BKL0488-MS1
 9  31-DEC-2022 12:58  12312209.D   1  BKL0488-MSD1
10  31-DEC-2022 13:19  12312210.D   1  22L0199-61
11  31-DEC-2022 13:40  12312211.D   1  22L0199-62
12  31-DEC-2022 14:02  12312212.D   1  22L0199-63
13  31-DEC-2022 14:23  12312213.D   1  22L0199-64
14  31-DEC-2022 14:44  12312214.D   1  22L0199-65
15  31-DEC-2022 15:05  12312215.D   1  22L0199-66
16  31-DEC-2022 15:26  12312216.D   1  22L0199-67
17  31-DEC-2022 15:47  12312217.D   1  22L0199-68
18  31-DEC-2022 16:08  12312218.D   1  22L0199-69
19  31-DEC-2022 16:29  12312219.D   1  22L0199-70
20  31-DEC-2022 16:50  12312220.D   1  AR1248CCV1
21  31-DEC-2022 17:11  12312221.D   1  AR1660CCV2
22  31-DEC-2022 17:32  12312222.D   1  BKL0581-BLK1
23  31-DEC-2022 17:53  12312223.D   1  BKL0581-BS1
24  31-DEC-2022 18:14  12312224.D   1  BKL0581-BSD1
25  31-DEC-2022 18:36  12312225.D   1  BKL0581-SRM1
26  31-DEC-2022 18:57  12312226.D   1  BKL0581-MS1
27  31-DEC-2022 19:18  12312227.D   1  BKL0581-MSD1
28  31-DEC-2022 19:39  12312228.D   1  22L0307-01
29  31-DEC-2022 20:00  12312229.D   1  22L0307-02
30  31-DEC-2022 20:21  12312230.D   1  22L0307-03
31  31-DEC-2022 20:42  12312231.D   1  22L0307-04
32  31-DEC-2022 21:03  12312232.D   1  22L0307-05
33  31-DEC-2022 21:24  12312233.D   1  22L0307-06
34  31-DEC-2022 21:45  12312234.D   1  22L0307-07
35  31-DEC-2022 22:06  12312235.D   1  22L0307-08
36  31-DEC-2022 22:27  12312236.D   1  22L0307-09
37  31-DEC-2022 22:48  12312237.D   1  22L0307-10
38  31-DEC-2022 23:10  12312238.D   1  AR1242CCV3
39  31-DEC-2022 23:31  12312239.D   1  AR1660CCV4
40  31-DEC-2022 23:52  12312240.D   1  22L0307-11
41  01-JAN-2023 00:13  12312241.D   1  22L0307-12
42  01-JAN-2023 00:34  12312242.D   1  22L0307-13
43  01-JAN-2023 00:55  12312243.D   1  22L0307-14
44  01-JAN-2023 01:16  12312244.D   1  22L0307-15
45  01-JAN-2023 01:37  12312245.D   1  22L0307-16
46  01-JAN-2023 01:58  12312246.D   1  22L0307-17
47  01-JAN-2023 02:19  12312247.D   1  22L0307-18
48  01-JAN-2023 02:40  12312248.D   1  22L0307-19
49  01-JAN-2023 03:01  12312249.D   1  22L0307-20
50  01-JAN-2023 03:22  12312250.D   1  AR1254CCV5
```

```
    Inject Date/Time    Filename    DF  LabID         ClientID
-----------------------------------------------------------------
51  01-JAN-2023 03:43  12312251.D   1  AR1660CCV6
52  01-JAN-2023 04:04  12312252.D  10  22L0199-04RE1
53  01-JAN-2023 04:25  12312253.D  10  22L0199-49RE1
54  01-JAN-2023 04:46  12312254.D   5  22L0199-50RE1
55  01-JAN-2023 05:07  12312255.D   5  22L0199-51RE1
56  01-JAN-2023 05:29  12312256.D   5  22L0199-52RE1
57  01-JAN-2023 05:50  12312257.D  10  22L0199-54RE1
58  01-JAN-2023 06:11  12312258.D   1  AR1248CCV7
59  01-JAN-2023 06:32  12312259.D   1  AR1660CCV8
```

```
MANUAL INTEGRATION SUMMARY FOR DATABATCH - \\target\share\chem4\ecd7.i\221231.b

ARI Job No.: DDTS   Method: PCB.m   Instrument: ecd7.i   Date: 31-DEC-2022


Time  Filename    LabID     ClientId      DF    Manually Integrated Compounds
--------------------------------------------------------------------------------------------------------------------------------------------------------------------
1010  12312201ECD7.D DDTS                     1      NO MANUAL INTEGRATION
--------------------------------------------------------------------------------------------------------------------------------------------------------------------
1031  12312202ECD7.D AR1254ICV1               1      NO MANUAL INTEGRATION
--------------------------------------------------------------------------------------------------------------------------------------------------------------------
1052  12312203ECD7.D AR1660ICV2               1      NO MANUAL INTEGRATION
--------------------------------------------------------------------------------------------------------------------------------------------------------------------
1113  12312204ECD7.D BKL0488-BLK1               1      NO MANUAL INTEGRATION
--------------------------------------------------------------------------------------------------------------------------------------------------------------------
1134  12312205ECD7.D BKL0488-BS1               1      NO MANUAL INTEGRATION
--------------------------------------------------------------------------------------------------------------------------------------------------------------------
1155  12312206ECD7.D BKL0488-BSD1               1      NO MANUAL INTEGRATION
--------------------------------------------------------------------------------------------------------------------------------------------------------------------
1216  12312207ECD7.D BKL0488-SRM1               1      NO MANUAL INTEGRATION
--------------------------------------------------------------------------------------------------------------------------------------------------------------------
1237  12312208ECD7.D BKL0488-MS1               1      NO MANUAL INTEGRATION
--------------------------------------------------------------------------------------------------------------------------------------------------------------------
1258  12312209ECD7.D BKL0488-MSD1               1      NO MANUAL INTEGRATION
--------------------------------------------------------------------------------------------------------------------------------------------------------------------
1319  12312210ECD7.D 22L0199-61               1      NO MANUAL INTEGRATION
--------------------------------------------------------------------------------------------------------------------------------------------------------------------
1340  12312211ECD7.D 22L0199-62               1      NO MANUAL INTEGRATION
--------------------------------------------------------------------------------------------------------------------------------------------------------------------
1402  12312212ECD7.D 22L0199-63               1    Aroclor-1248, Aroclor-1254, Aroclor-1260,
--------------------------------------------------------------------------------------------------------------------------------------------------------------------
1423  12312213ECD7.D 22L0199-64               1    Aroclor-1248, Aroclor-1254, Aroclor-1260, Tetrachloro-m-xylene,
--------------------------------------------------------------------------------------------------------------------------------------------------------------------
1444  12312214ECD7.D 22L0199-65               1    Aroclor-1254,
--------------------------------------------------------------------------------------------------------------------------------------------------------------------
1505  12312215ECD7.D 22L0199-66               1      NO MANUAL INTEGRATION
--------------------------------------------------------------------------------------------------------------------------------------------------------------------
1526  12312216ECD7.D 22L0199-67               1      NO MANUAL INTEGRATION
--------------------------------------------------------------------------------------------------------------------------------------------------------------------
1547  12312217ECD7.D 22L0199-68               1      NO MANUAL INTEGRATION
--------------------------------------------------------------------------------------------------------------------------------------------------------------------
```

MANUAL INTEGRATION SUMMARY FOR DATABATCH - \\target\share\chem4\ecd7.i\221231.b

```
    Time   Filename    LabID     ClientId       DF    Manually Integrated Compounds
---------------------------------------------------------------------------------------------------------------------------------------------------------------------
1608  12312218ECD7.D 22L0199-69              1      NO MANUAL INTEGRATION
---------------------------------------------------------------------------------------------------------------------------------------------------------------------
1629  12312219ECD7.D 22L0199-70              1      NO MANUAL INTEGRATION
---------------------------------------------------------------------------------------------------------------------------------------------------------------------
1650  12312220ECD7.D AR1248CCV1              1      NO MANUAL INTEGRATION
---------------------------------------------------------------------------------------------------------------------------------------------------------------------
1711  12312221ECD7.D AR1660CCV2              1      NO MANUAL INTEGRATION
---------------------------------------------------------------------------------------------------------------------------------------------------------------------
1732  12312222ECD7.D BKL0581-BLK1              1      NO MANUAL INTEGRATION
---------------------------------------------------------------------------------------------------------------------------------------------------------------------
1753  12312223ECD7.D BKL0581-BS1              1      NO MANUAL INTEGRATION
---------------------------------------------------------------------------------------------------------------------------------------------------------------------
1814  12312224ECD7.D BKL0581-BSD1              1      NO MANUAL INTEGRATION
---------------------------------------------------------------------------------------------------------------------------------------------------------------------
1836  12312225ECD7.D BKL0581-SRM1              1      NO MANUAL INTEGRATION
---------------------------------------------------------------------------------------------------------------------------------------------------------------------
1857  12312226ECD7.D BKL0581-MS1              1      NO MANUAL INTEGRATION
---------------------------------------------------------------------------------------------------------------------------------------------------------------------
1918  12312227ECD7.D BKL0581-MSD1              1      NO MANUAL INTEGRATION
---------------------------------------------------------------------------------------------------------------------------------------------------------------------
1939  12312228ECD7.D 22L0307-01              1    Aroclor-1248, Aroclor-1254, Aroclor-1260, Tetrachloro-m-xylene,
---------------------------------------------------------------------------------------------------------------------------------------------------------------------
2000  12312229ECD7.D 22L0307-02              1    Aroclor-1248, Aroclor-1254, Tetrachloro-m-xylene,
---------------------------------------------------------------------------------------------------------------------------------------------------------------------
2021  12312230ECD7.D 22L0307-03              1      NO MANUAL INTEGRATION
---------------------------------------------------------------------------------------------------------------------------------------------------------------------
2042  12312231ECD7.D 22L0307-04              1      NO MANUAL INTEGRATION
---------------------------------------------------------------------------------------------------------------------------------------------------------------------
2103  12312232ECD7.D 22L0307-05              1      NO MANUAL INTEGRATION
---------------------------------------------------------------------------------------------------------------------------------------------------------------------
2124  12312233ECD7.D 22L0307-06              1      NO MANUAL INTEGRATION
---------------------------------------------------------------------------------------------------------------------------------------------------------------------
2145  12312234ECD7.D 22L0307-07              1      NO MANUAL INTEGRATION
---------------------------------------------------------------------------------------------------------------------------------------------------------------------
2206  12312235ECD7.D 22L0307-08              1      NO MANUAL INTEGRATION
---------------------------------------------------------------------------------------------------------------------------------------------------------------------
```

MANUAL INTEGRATION SUMMARY FOR DATABATCH - \\target\share\chem4\ecd7.i\221231.b

```
    Time   Filename    LabID     ClientId       DF    Manually Integrated Compounds
--------------------------------------------------------------------------------------------------------------------------------------------------------------------
2227  12312236ECD7.D 22L0307-09               1    Aroclor-1248, Aroclor-1254, Aroclor-1260,
--------------------------------------------------------------------------------------------------------------------------------------------------------------------
2248  12312237ECD7.D 22L0307-10               1      NO MANUAL INTEGRATION
--------------------------------------------------------------------------------------------------------------------------------------------------------------------
2310  12312238ECD7.D AR1242CCV3               1    Aroclor-1242,
--------------------------------------------------------------------------------------------------------------------------------------------------------------------
2331  12312239ECD7.D AR1660CCV4               1      NO MANUAL INTEGRATION
--------------------------------------------------------------------------------------------------------------------------------------------------------------------
2352  12312240ECD7.D 22L0307-11               1    Aroclor-1248, Aroclor-1254, Aroclor-1260, Tetrachloro-m-xylene,
--------------------------------------------------------------------------------------------------------------------------------------------------------------------
0013  12312241ECD7.D 22L0307-12               1    Aroclor-1248, Aroclor-1254, Aroclor-1260, Tetrachloro-m-xylene,
--------------------------------------------------------------------------------------------------------------------------------------------------------------------
0034  12312242ECD7.D 22L0307-13               1    Aroclor-1254, Tetrachloro-m-xylene,
--------------------------------------------------------------------------------------------------------------------------------------------------------------------
0055  12312243ECD7.D 22L0307-14               1    Aroclor-1254,
--------------------------------------------------------------------------------------------------------------------------------------------------------------------
0116  12312244ECD7.D 22L0307-15               1    Aroclor-1248, Aroclor-1254, Aroclor-1260,
--------------------------------------------------------------------------------------------------------------------------------------------------------------------
0137  12312245ECD7.D 22L0307-16               1    Aroclor-1248, Aroclor-1254, Aroclor-1260,
--------------------------------------------------------------------------------------------------------------------------------------------------------------------
0158  12312246ECD7.D 22L0307-17               1    Aroclor-1248, Aroclor-1254, Aroclor-1260, IS-BNB, IS-HBBP, Tetrachloro-m-xylene,
                                               Decachlorobiphenyl,
--------------------------------------------------------------------------------------------------------------------------------------------------------------------
0219  12312247ECD7.D 22L0307-18               1    Aroclor-1254,
--------------------------------------------------------------------------------------------------------------------------------------------------------------------
0240  12312248ECD7.D 22L0307-19               1      NO MANUAL INTEGRATION
--------------------------------------------------------------------------------------------------------------------------------------------------------------------
0301  12312249ECD7.D 22L0307-20               1      NO MANUAL INTEGRATION
--------------------------------------------------------------------------------------------------------------------------------------------------------------------
0322  12312250ECD7.D AR1254CCV5               1      NO MANUAL INTEGRATION
--------------------------------------------------------------------------------------------------------------------------------------------------------------------
0343  12312251ECD7.D AR1660CCV6               1      NO MANUAL INTEGRATION
--------------------------------------------------------------------------------------------------------------------------------------------------------------------
0404  12312252ECD7.D 22L0199-04RE1              10      NO MANUAL INTEGRATION
--------------------------------------------------------------------------------------------------------------------------------------------------------------------
0425  12312253ECD7.D 22L0199-49RE1              10    Aroclor-1254,
--------------------------------------------------------------------------------------------------------------------------------------------------------------------
```

MANUAL INTEGRATION SUMMARY FOR DATABATCH - \\target\share\chem4\ecd7.i\221231.b

```
    Time   Filename    LabID     ClientId       DF    Manually Integrated Compounds
------------------------------------------------------------------------------------------------------------------------------------------------------------------
0446  12312254ECD7.D 22L0199-50RE1               5    Aroclor-1254,
------------------------------------------------------------------------------------------------------------------------------------------------------------------
0507  12312255ECD7.D 22L0199-51RE1               5    Aroclor-1254,
------------------------------------------------------------------------------------------------------------------------------------------------------------------
0529  12312256ECD7.D 22L0199-52RE1               5    Aroclor-1254,
------------------------------------------------------------------------------------------------------------------------------------------------------------------
0550  12312257ECD7.D 22L0199-54RE1              10    Aroclor-1254,
------------------------------------------------------------------------------------------------------------------------------------------------------------------
0611  12312258ECD7.D AR1248CCV7              1      NO MANUAL INTEGRATION
------------------------------------------------------------------------------------------------------------------------------------------------------------------
0632  12312259ECD7.D AR1660CCV8              1      NO MANUAL INTEGRATION
------------------------------------------------------------------------------------------------------------------------------------------------------------------
1010  12312201ECD7.D DDTS                    1      NO MANUAL INTEGRATION
------------------------------------------------------------------------------------------------------------------------------------------------------------------
1031  12312202ECD7.D AR1254ICV1              1      NO MANUAL INTEGRATION
------------------------------------------------------------------------------------------------------------------------------------------------------------------
1052  12312203ECD7.D AR1660ICV2              1      NO MANUAL INTEGRATION
------------------------------------------------------------------------------------------------------------------------------------------------------------------
1113  12312204ECD7.D BKL0488-BLK1              1      NO MANUAL INTEGRATION
------------------------------------------------------------------------------------------------------------------------------------------------------------------
1134  12312205ECD7.D BKL0488-BS1              1      NO MANUAL INTEGRATION
------------------------------------------------------------------------------------------------------------------------------------------------------------------
1155  12312206ECD7.D BKL0488-BSD1              1      NO MANUAL INTEGRATION
------------------------------------------------------------------------------------------------------------------------------------------------------------------
1216  12312207ECD7.D BKL0488-SRM1              1      NO MANUAL INTEGRATION
------------------------------------------------------------------------------------------------------------------------------------------------------------------
1237  12312208ECD7.D BKL0488-MS1              1      NO MANUAL INTEGRATION
------------------------------------------------------------------------------------------------------------------------------------------------------------------
1258  12312209ECD7.D BKL0488-MSD1              1      NO MANUAL INTEGRATION
------------------------------------------------------------------------------------------------------------------------------------------------------------------
1319  12312210ECD7.D 22L0199-61              1      NO MANUAL INTEGRATION
------------------------------------------------------------------------------------------------------------------------------------------------------------------
1340  12312211ECD7.D 22L0199-62              1      NO MANUAL INTEGRATION
------------------------------------------------------------------------------------------------------------------------------------------------------------------
1402  12312212ECD7.D 22L0199-63              1    Aroclor-1248 [2C], Aroclor-1254 [2C],
------------------------------------------------------------------------------------------------------------------------------------------------------------------
```

MANUAL INTEGRATION SUMMARY FOR DATABATCH - \\target\share\chem4\ecd7.i\221231.b\221231.b

```
    Time   Filename    LabID     ClientId       DF    Manually Integrated Compounds
-----------------------------------------------------------------------------------------------------------------------------------------------------------------
1423  12312213ECD7.D 22L0199-64               1    Aroclor-1248 [2C],
-----------------------------------------------------------------------------------------------------------------------------------------------------------------
1444  12312214ECD7.D 22L0199-65               1    Aroclor-1248 [2C],
-----------------------------------------------------------------------------------------------------------------------------------------------------------------
1505  12312215ECD7.D 22L0199-66               1      NO MANUAL INTEGRATION
-----------------------------------------------------------------------------------------------------------------------------------------------------------------
1526  12312216ECD7.D 22L0199-67               1      NO MANUAL INTEGRATION
-----------------------------------------------------------------------------------------------------------------------------------------------------------------
1547  12312217ECD7.D 22L0199-68               1      NO MANUAL INTEGRATION
-----------------------------------------------------------------------------------------------------------------------------------------------------------------
1608  12312218ECD7.D 22L0199-69               1      NO MANUAL INTEGRATION
-----------------------------------------------------------------------------------------------------------------------------------------------------------------
1629  12312219ECD7.D 22L0199-70               1      NO MANUAL INTEGRATION
-----------------------------------------------------------------------------------------------------------------------------------------------------------------
1650  12312220ECD7.D AR1248CCV1               1      NO MANUAL INTEGRATION
-----------------------------------------------------------------------------------------------------------------------------------------------------------------
1711  12312221ECD7.D AR1660CCV2               1      NO MANUAL INTEGRATION
-----------------------------------------------------------------------------------------------------------------------------------------------------------------
1732  12312222ECD7.D BKL0581-BLK1               1      NO MANUAL INTEGRATION
-----------------------------------------------------------------------------------------------------------------------------------------------------------------
1753  12312223ECD7.D BKL0581-BS1               1      NO MANUAL INTEGRATION
-----------------------------------------------------------------------------------------------------------------------------------------------------------------
1814  12312224ECD7.D BKL0581-BSD1               1      NO MANUAL INTEGRATION
-----------------------------------------------------------------------------------------------------------------------------------------------------------------
1836  12312225ECD7.D BKL0581-SRM1               1      NO MANUAL INTEGRATION
-----------------------------------------------------------------------------------------------------------------------------------------------------------------
1857  12312226ECD7.D BKL0581-MS1               1      NO MANUAL INTEGRATION
-----------------------------------------------------------------------------------------------------------------------------------------------------------------
1918  12312227ECD7.D BKL0581-MSD1               1      NO MANUAL INTEGRATION
-----------------------------------------------------------------------------------------------------------------------------------------------------------------
1939  12312228ECD7.D 22L0307-01               1    Aroclor-1248 [2C],
-----------------------------------------------------------------------------------------------------------------------------------------------------------------
2000  12312229ECD7.D 22L0307-02               1      NO MANUAL INTEGRATION
-----------------------------------------------------------------------------------------------------------------------------------------------------------------
2021  12312230ECD7.D 22L0307-03               1    Aroclor-1248 [2C],
-----------------------------------------------------------------------------------------------------------------------------------------------------------------
```

MANUAL INTEGRATION SUMMARY FOR DATABATCH - \\target\share\chem4\ecd7.i\221231.b\221231.b

```
    Time   Filename    LabID     ClientId       DF    Manually Integrated Compounds
-----------------------------------------------------------------------------------------------------------------------------------------------------------------------
2042  12312231ECD7.D 22L0307-04               1      NO MANUAL INTEGRATION
-----------------------------------------------------------------------------------------------------------------------------------------------------------------------
2103  12312232ECD7.D 22L0307-05               1      NO MANUAL INTEGRATION
-----------------------------------------------------------------------------------------------------------------------------------------------------------------------
2124  12312233ECD7.D 22L0307-06               1      NO MANUAL INTEGRATION
-----------------------------------------------------------------------------------------------------------------------------------------------------------------------
2145  12312234ECD7.D 22L0307-07               1      NO MANUAL INTEGRATION
-----------------------------------------------------------------------------------------------------------------------------------------------------------------------
2206  12312235ECD7.D 22L0307-08               1      NO MANUAL INTEGRATION
-----------------------------------------------------------------------------------------------------------------------------------------------------------------------
2227  12312236ECD7.D 22L0307-09               1    Aroclor-1248 [2C],
-----------------------------------------------------------------------------------------------------------------------------------------------------------------------
2248  12312237ECD7.D 22L0307-10               1      NO MANUAL INTEGRATION
-----------------------------------------------------------------------------------------------------------------------------------------------------------------------
2310  12312238ECD7.D AR1242CCV3               1      NO MANUAL INTEGRATION
-----------------------------------------------------------------------------------------------------------------------------------------------------------------------
2331  12312239ECD7.D AR1660CCV4               1      NO MANUAL INTEGRATION
-----------------------------------------------------------------------------------------------------------------------------------------------------------------------
2352  12312240ECD7.D 22L0307-11               1    Aroclor-1248 [2C],
-----------------------------------------------------------------------------------------------------------------------------------------------------------------------
0013  12312241ECD7.D 22L0307-12               1    Aroclor-1248 [2C],
-----------------------------------------------------------------------------------------------------------------------------------------------------------------------
0034  12312242ECD7.D 22L0307-13               1      NO MANUAL INTEGRATION
-----------------------------------------------------------------------------------------------------------------------------------------------------------------------
0055  12312243ECD7.D 22L0307-14               1      NO MANUAL INTEGRATION
-----------------------------------------------------------------------------------------------------------------------------------------------------------------------
0116  12312244ECD7.D 22L0307-15               1    Aroclor-1248 [2C],
-----------------------------------------------------------------------------------------------------------------------------------------------------------------------
0137  12312245ECD7.D 22L0307-16               1    Aroclor-1248 [2C],
-----------------------------------------------------------------------------------------------------------------------------------------------------------------------
0158  12312246ECD7.D 22L0307-17               1    Aroclor-1248 [2C],
-----------------------------------------------------------------------------------------------------------------------------------------------------------------------
0219  12312247ECD7.D 22L0307-18               1    Aroclor-1248 [2C],
-----------------------------------------------------------------------------------------------------------------------------------------------------------------------
0240  12312248ECD7.D 22L0307-19               1    Aroclor-1248 [2C],
-----------------------------------------------------------------------------------------------------------------------------------------------------------------------
```

MANUAL INTEGRATION SUMMARY FOR DATABATCH - \\target\share\chem4\ecd7.i\221231.b\221231.b

```
    Time   Filename    LabID     ClientId       DF    Manually Integrated Compounds
--------------------------------------------------------------------------------------------------------------------------------------------------------------------
0301  12312249ECD7.D 22L0307-20               1      NO MANUAL INTEGRATION
--------------------------------------------------------------------------------------------------------------------------------------------------------------------
0322  12312250ECD7.D AR1254CCV5               1      NO MANUAL INTEGRATION
--------------------------------------------------------------------------------------------------------------------------------------------------------------------
0343  12312251ECD7.D AR1660CCV6               1      NO MANUAL INTEGRATION
--------------------------------------------------------------------------------------------------------------------------------------------------------------------
0404  12312252ECD7.D 22L0199-04RE1              10    Aroclor-1248 [2C],
--------------------------------------------------------------------------------------------------------------------------------------------------------------------
0425  12312253ECD7.D 22L0199-49RE1              10    Aroclor-1248 [2C],
--------------------------------------------------------------------------------------------------------------------------------------------------------------------
0446  12312254ECD7.D 22L0199-50RE1               5    Aroclor-1248 [2C],
--------------------------------------------------------------------------------------------------------------------------------------------------------------------
0507  12312255ECD7.D 22L0199-51RE1               5    Aroclor-1248 [2C],
--------------------------------------------------------------------------------------------------------------------------------------------------------------------
0529  12312256ECD7.D 22L0199-52RE1               5    Aroclor-1248 [2C],
--------------------------------------------------------------------------------------------------------------------------------------------------------------------
0550  12312257ECD7.D 22L0199-54RE1              10    Aroclor-1248 [2C],
--------------------------------------------------------------------------------------------------------------------------------------------------------------------
0611  12312258ECD7.D AR1248CCV7               1      NO MANUAL INTEGRATION
--------------------------------------------------------------------------------------------------------------------------------------------------------------------
0632  12312259ECD7.D AR1660CCV8               1      NO MANUAL INTEGRATION
--------------------------------------------------------------------------------------------------------------------------------------------------------------------
```

```
Security Status Report

Date: 06-Jan-2023 12:48

+-------------------------+--------------------------+----------------------------------------+
|           12312201ECD7.D|               Data Locked|             richardl, 06-Jan-2023 12:48|
|           12312202ECD7.D|               Data Locked|             richardl, 06-Jan-2023 12:48|
|           12312203ECD7.D|               Data Locked|             richardl, 06-Jan-2023 12:48|
|           12312204ECD7.D|               Data Locked|             richardl, 06-Jan-2023 12:48|
|           12312205ECD7.D|               Data Locked|             richardl, 06-Jan-2023 12:48|
|           12312206ECD7.D|               Data Locked|             richardl, 06-Jan-2023 12:48|
|           12312207ECD7.D|               Data Locked|             richardl, 06-Jan-2023 12:48|
|           12312208ECD7.D|               Data Locked|             richardl, 06-Jan-2023 12:48|
|           12312209ECD7.D|               Data Locked|             richardl, 06-Jan-2023 12:48|
|           12312210ECD7.D|               Data Locked|             richardl, 06-Jan-2023 12:48|
|           12312211ECD7.D|               Data Locked|             richardl, 06-Jan-2023 12:48|
|           12312212ECD7.D|               Data Locked|             richardl, 06-Jan-2023 12:48|
|           12312213ECD7.D|               Data Locked|             richardl, 06-Jan-2023 12:48|
|           12312214ECD7.D|               Data Locked|             richardl, 06-Jan-2023 12:48|
|           12312215ECD7.D|               Data Locked|             richardl, 06-Jan-2023 12:48|
|           12312216ECD7.D|               Data Locked|             richardl, 06-Jan-2023 12:48|
|           12312217ECD7.D|               Data Locked|             richardl, 06-Jan-2023 12:48|
|           12312218ECD7.D|               Data Locked|             richardl, 06-Jan-2023 12:48|
|           12312219ECD7.D|               Data Locked|             richardl, 06-Jan-2023 12:48|
|           12312220ECD7.D|               Data Locked|             richardl, 06-Jan-2023 12:48|
|           12312221ECD7.D|               Data Locked|             richardl, 06-Jan-2023 12:48|
|           12312222ECD7.D|               Data Locked|             richardl, 06-Jan-2023 12:48|
|           12312223ECD7.D|               Data Locked|             richardl, 06-Jan-2023 12:48|
|           12312224ECD7.D|               Data Locked|             richardl, 06-Jan-2023 12:48|
|           12312225ECD7.D|               Data Locked|             richardl, 06-Jan-2023 12:48|
|           12312226ECD7.D|               Data Locked|             richardl, 06-Jan-2023 12:48|
|           12312227ECD7.D|               Data Locked|             richardl, 06-Jan-2023 12:48|
|           12312228ECD7.D|               Data Locked|             richardl, 06-Jan-2023 12:48|
|           12312229ECD7.D|               Data Locked|             richardl, 06-Jan-2023 12:48|
|           12312230ECD7.D|               Data Locked|             richardl, 06-Jan-2023 12:48|
|           12312231ECD7.D|               Data Locked|             richardl, 06-Jan-2023 12:48|
|           12312232ECD7.D|               Data Locked|             richardl, 06-Jan-2023 12:48|
|           12312233ECD7.D|               Data Locked|             richardl, 06-Jan-2023 12:48|
|           12312234ECD7.D|               Data Locked|             richardl, 06-Jan-2023 12:48|
|           12312235ECD7.D|               Data Locked|             richardl, 06-Jan-2023 12:48|
|           12312236ECD7.D|               Data Locked|             richardl, 06-Jan-2023 12:48|
|           12312237ECD7.D|               Data Locked|             richardl, 06-Jan-2023 12:48|
|           12312238ECD7.D|               Data Locked|             richardl, 06-Jan-2023 12:48|
|           12312239ECD7.D|               Data Locked|             richardl, 06-Jan-2023 12:48|
|           12312240ECD7.D|               Data Locked|             richardl, 06-Jan-2023 12:48|
|           12312241ECD7.D|               Data Locked|             richardl, 06-Jan-2023 12:48|
|           12312242ECD7.D|               Data Locked|             richardl, 06-Jan-2023 12:48|
|           12312243ECD7.D|               Data Locked|             richardl, 06-Jan-2023 12:48|
|           12312244ECD7.D|               Data Locked|             richardl, 06-Jan-2023 12:48|
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|           12312245ECD7.D|               Data Locked|             richardl, 06-Jan-2023 12:48|
|           12312246ECD7.D|               Data Locked|             richardl, 06-Jan-2023 12:48|
|           12312247ECD7.D|               Data Locked|             richardl, 06-Jan-2023 12:48|
|           12312248ECD7.D|               Data Locked|             richardl, 06-Jan-2023 12:48|
|           12312249ECD7.D|               Data Locked|             richardl, 06-Jan-2023 12:48|
|           12312250ECD7.D|               Data Locked|             richardl, 06-Jan-2023 12:48|
|           12312251ECD7.D|               Data Locked|             richardl, 06-Jan-2023 12:48|
|           12312252ECD7.D|               Data Locked|             richardl, 06-Jan-2023 12:48|
|           12312253ECD7.D|               Data Locked|             richardl, 06-Jan-2023 12:48|
|           12312254ECD7.D|               Data Locked|             richardl, 06-Jan-2023 12:48|
|           12312255ECD7.D|               Data Locked|             richardl, 06-Jan-2023 12:48|
|           12312256ECD7.D|               Data Locked|             richardl, 06-Jan-2023 12:48|
|           12312257ECD7.D|               Data Locked|             richardl, 06-Jan-2023 12:48|
|           12312258ECD7.D|               Data Locked|             richardl, 06-Jan-2023 12:48|
|           12312259ECD7.D|               Data Locked|             richardl, 06-Jan-2023 12:48|
+-------------------------+--------------------------+----------------------------------------+
```

Analytical Resources, LLC
Analytical Chemists and Consultants

ANALYSIS SEQUENCE

SLA0071

Instrument: ECD7
Calibration ID: FL00010

Printed: 2/28/2023 8:58:57AM

Lab Number	Analysis	Container	Order	Position	STD ID	ISTD ID	Client	Comments
SLA0071-ICV1	QC		1		K006957	K006953		
SLA0071-ICV2	QC		2		K006954	K006953		
BKL0488-BLK1	QC		3			K006953		
BKL0488-BS1	QC		4			K006953		
BKL0488-BSD1	QC		5			K006953		
BKL0488-SRM1	QC		6			K006953		
BKL0488-MS1	QC		7			K006953		
BKL0488-MSD1	QC		8			K006953		
22L0199-63	8082A PCB Solid 4	B 01	9			K006953	Anchor QEA, LLC	
22L0199-64	8082A PCB Solid 4	B 01	10			K006953	Anchor QEA, LLC	
22L0199-65	8082A PCB Solid 4	B 01	11			K006953	Anchor QEA, LLC	
22L0199-66	8082A PCB Solid 4	B 01	12			K006953	Anchor QEA, LLC	
22L0199-67	8082A PCB Solid 4	B 01	13			K006953	Anchor QEA, LLC	
22L0199-68	8082A PCB Solid 4	B 01	14			K006953	Anchor QEA, LLC	
22L0199-69	8082A PCB Solid 4	B 01	15			K006953	Anchor QEA, LLC	
22L0199-70	8082A PCB Solid 4	B 01	16			K006953	Anchor QEA, LLC	
SLA0071-CCV1	QC		17		K006956	K006953		
SLA0071-CCV2	QC		18		K006954	K006953		
BKL0581-BLK1	QC		19			K006953		
BKL0581-BS1	QC		20			K006953		
BKL0581-BSD1	QC		21			K006953		

Samples Loaded By Date

Data Processed By Date

ANALYSIS SEQUENCE

SLA0071

Instrument: ECD7
Calibration ID: FL00010

Printed: 2/28/2023 8:58:57AM

Lab Number	Analysis	Container	Order	Position	STD ID	ISTD ID	Client	Comments
BKL0581-SRM1	QC		22			K006953		
BKL0581-MS1	QC		23			K006953		
BKL0581-MSD1	QC		24			K006953		
22L0307-02	8082A PCB Solid 4	B 01	25			K006953	Anchor QEA, LLC	
22L0307-03	8082A PCB Solid 4	B 01	26			K006953	Anchor QEA, LLC	
22L0307-04	8082A PCB Solid 4	B 01	27			K006953	Anchor QEA, LLC	
22L0307-05	8082A PCB Solid 4	B 01	28			K006953	Anchor QEA, LLC	
22L0307-06	8082A PCB Solid 4	B 01	29			K006953	Anchor QEA, LLC	
22L0307-07	8082A PCB Solid 4	B 01	30			K006953	Anchor QEA, LLC	
SLA0071-CCV3	QC		31		K006955	K006953		
SLA0071-CCV4	QC		32		K006954	K006953		
22L0307-11	8082A PCB Solid 4	B 01	33			K006953	Anchor QEA, LLC	
22L0307-12	8082A PCB Solid 4	B 01	34			K006953	Anchor QEA, LLC	
22L0307-13	8082A PCB Solid 4	B 01	35			K006953	Anchor QEA, LLC	
22L0307-14	8082A PCB Solid 4	B 01	36			K006953	Anchor QEA, LLC	
22L0307-15	8082A PCB Solid 4	B 01	37			K006953	Anchor QEA, LLC	
22L0307-16	8082A PCB Solid 4	B 01	38			K006953	Anchor QEA, LLC	
22L0307-17	8082A PCB Solid 4	B 01	39			K006953	Anchor QEA, LLC	
22L0307-18	8082A PCB Solid 4	B 01	40			K006953	Anchor QEA, LLC	
22L0307-19	8082A PCB Solid 4	B 01	41			K006953	Anchor QEA, LLC	
22L0307-20	8082A PCB Solid 4	B 01	42			K006953	Anchor QEA, LLC	

Samples Loaded By Date

Data Processed By Date

ANALYSIS SEQUENCE

SLA0071

Instrument: ECD7
Calibration ID: FL00010

Printed: 2/28/2023 8:58:57AM

Lab Number	Analysis	Container	Order	Position	STD ID	ISTD ID	Client	Comments
SLA0071-CCV5	QC		43		K006957	K006953		
SLA0071-CCV6	QC		44		K006954	K006953		
22L0199-04	8082A PCB Solid 4	B 01	45			K006953	Anchor QEA, LLC	
22L0199-49	8082A PCB Solid 4	B 01	46			K006953	Anchor QEA, LLC	
22L0199-50	8082A PCB Solid 4	B 01	47			K006953	Anchor QEA, LLC	
22L0199-51	8082A PCB Solid 4	B 01	48			K006953	Anchor QEA, LLC	
22L0199-52	8082A PCB Solid 4	B 01	49			K006953	Anchor QEA, LLC	
22L0199-54	8082A PCB Solid 4	B 01	50			K006953	Anchor QEA, LLC	
SLA0071-CCV7	QC		51		K006956	K006953		
SLA0071-CCV8	QC		52		K006954	K006953		

Samples Loaded By Date

Data Processed By Date

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GC LOG SUMMARY FOR DATABATCH - \\target\share\chem4\ecd7.i\221231.b

    Inject Date/Time    Filename    DF  LabID         ClientID
-----------------------------------------------------------------
 1  31-DEC-2022 10:10  12312201.D   1  DDTS
 2  31-DEC-2022 10:31  12312202.D   1  AR1254ICV1
 3  31-DEC-2022 10:52  12312203.D   1  AR1660ICV2
 4  31-DEC-2022 11:13  12312204.D   1  BKL0488-BLK1
 5  31-DEC-2022 11:34  12312205.D   1  BKL0488-BS1
 6  31-DEC-2022 11:55  12312206.D   1  BKL0488-BSD1
 7  31-DEC-2022 12:16  12312207.D   1  BKL0488-SRM1
 8  31-DEC-2022 12:37  12312208.D   1  BKL0488-MS1
 9  31-DEC-2022 12:58  12312209.D   1  BKL0488-MSD1
10  31-DEC-2022 13:19  12312210.D   1  22L0199-61
11  31-DEC-2022 13:40  12312211.D   1  22L0199-62
12  31-DEC-2022 14:02  12312212.D   1  22L0199-63
13  31-DEC-2022 14:23  12312213.D   1  22L0199-64
14  31-DEC-2022 14:44  12312214.D   1  22L0199-65
15  31-DEC-2022 15:05  12312215.D   1  22L0199-66
16  31-DEC-2022 15:26  12312216.D   1  22L0199-67
17  31-DEC-2022 15:47  12312217.D   1  22L0199-68
18  31-DEC-2022 16:08  12312218.D   1  22L0199-69
19  31-DEC-2022 16:29  12312219.D   1  22L0199-70
20  31-DEC-2022 16:50  12312220.D   1  AR1248CCV1
21  31-DEC-2022 17:11  12312221.D   1  AR1660CCV2
22  31-DEC-2022 17:32  12312222.D   1  BKL0581-BLK1
23  31-DEC-2022 17:53  12312223.D   1  BKL0581-BS1
24  31-DEC-2022 18:14  12312224.D   1  BKL0581-BSD1
25  31-DEC-2022 18:36  12312225.D   1  BKL0581-SRM1
26  31-DEC-2022 18:57  12312226.D   1  BKL0581-MS1
27  31-DEC-2022 19:18  12312227.D   1  BKL0581-MSD1
28  31-DEC-2022 19:39  12312228.D   1  22L0307-01
29  31-DEC-2022 20:00  12312229.D   1  22L0307-02
30  31-DEC-2022 20:21  12312230.D   1  22L0307-03
31  31-DEC-2022 20:42  12312231.D   1  22L0307-04
32  31-DEC-2022 21:03  12312232.D   1  22L0307-05
33  31-DEC-2022 21:24  12312233.D   1  22L0307-06
34  31-DEC-2022 21:45  12312234.D   1  22L0307-07
35  31-DEC-2022 22:06  12312235.D   1  22L0307-08
36  31-DEC-2022 22:27  12312236.D   1  22L0307-09
37  31-DEC-2022 22:48  12312237.D   1  22L0307-10
38  31-DEC-2022 23:10  12312238.D   1  AR1242CCV3
39  31-DEC-2022 23:31  12312239.D   1  AR1660CCV4
40  31-DEC-2022 23:52  12312240.D   1  22L0307-11
41  01-JAN-2023 00:13  12312241.D   1  22L0307-12
42  01-JAN-2023 00:34  12312242.D   1  22L0307-13
43  01-JAN-2023 00:55  12312243.D   1  22L0307-14
44  01-JAN-2023 01:16  12312244.D   1  22L0307-15
45  01-JAN-2023 01:37  12312245.D   1  22L0307-16
46  01-JAN-2023 01:58  12312246.D   1  22L0307-17
47  01-JAN-2023 02:19  12312247.D   1  22L0307-18
48  01-JAN-2023 02:40  12312248.D   1  22L0307-19
49  01-JAN-2023 03:01  12312249.D   1  22L0307-20
50  01-JAN-2023 03:22  12312250.D   1  AR1254CCV5
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GC LOG SUMMARY FOR DATABATCH - \\target\share\chem4\ecd7.i\221231.b          p2

    Inject Date/Time    Filename    DF  LabID         ClientID
-----------------------------------------------------------------
51  01-JAN-2023 03:43  12312251.D   1  AR1660CCV6
52  01-JAN-2023 04:04  12312252.D  10  22L0199-04RE1
53  01-JAN-2023 04:25  12312253.D  10  22L0199-49RE1
54  01-JAN-2023 04:46  12312254.D   5  22L0199-50RE1
55  01-JAN-2023 05:07  12312255.D   5  22L0199-51RE1
56  01-JAN-2023 05:29  12312256.D   5  22L0199-52RE1
57  01-JAN-2023 05:50  12312257.D  10  22L0199-54RE1
58  01-JAN-2023 06:11  12312258.D   1  AR1248CCV7
59  01-JAN-2023 06:32  12312259.D   1  AR1660CCV8
```

MANUAL INTEGRATION SUMMARY FOR DATABATCH - \\target\share\chem4\ecd7.i\221231.b

ARI Job No.: DDTS   Method: PCB.m   Instrument: ecd7.i   Date: 31-DEC-2022

```
Time  Filename    LabID     ClientId      DF    Manually Integrated Compounds
-------------------------------------------------------------------------------------------------------------------------------------------------------------------
1010  12312201ECD7.D DDTS                    1      NO MANUAL INTEGRATION
-------------------------------------------------------------------------------------------------------------------------------------------------------------------
1031  12312202ECD7.D AR1254ICV1              1      NO MANUAL INTEGRATION
-------------------------------------------------------------------------------------------------------------------------------------------------------------------
1052  12312203ECD7.D AR1660ICV2              1      NO MANUAL INTEGRATION
-------------------------------------------------------------------------------------------------------------------------------------------------------------------
1113  12312204ECD7.D BKL0488-BLK1              1      NO MANUAL INTEGRATION
-------------------------------------------------------------------------------------------------------------------------------------------------------------------
1134  12312205ECD7.D BKL0488-BS1              1      NO MANUAL INTEGRATION
-------------------------------------------------------------------------------------------------------------------------------------------------------------------
1155  12312206ECD7.D BKL0488-BSD1              1      NO MANUAL INTEGRATION
-------------------------------------------------------------------------------------------------------------------------------------------------------------------
1216  12312207ECD7.D BKL0488-SRM1              1      NO MANUAL INTEGRATION
-------------------------------------------------------------------------------------------------------------------------------------------------------------------
1237  12312208ECD7.D BKL0488-MS1              1      NO MANUAL INTEGRATION
-------------------------------------------------------------------------------------------------------------------------------------------------------------------
1258  12312209ECD7.D BKL0488-MSD1              1      NO MANUAL INTEGRATION
-------------------------------------------------------------------------------------------------------------------------------------------------------------------
1319  12312210ECD7.D 22L0199-61              1      NO MANUAL INTEGRATION
-------------------------------------------------------------------------------------------------------------------------------------------------------------------
1340  12312211ECD7.D 22L0199-62              1      NO MANUAL INTEGRATION
-------------------------------------------------------------------------------------------------------------------------------------------------------------------
1402  12312212ECD7.D 22L0199-63              1    Aroclor-1248, Aroclor-1254, Aroclor-1260,
-------------------------------------------------------------------------------------------------------------------------------------------------------------------
1423  12312213ECD7.D 22L0199-64              1    Aroclor-1248, Aroclor-1254, Aroclor-1260, Tetrachloro-m-xylene,
-------------------------------------------------------------------------------------------------------------------------------------------------------------------
1444  12312214ECD7.D 22L0199-65              1    Aroclor-1254,
-------------------------------------------------------------------------------------------------------------------------------------------------------------------
1505  12312215ECD7.D 22L0199-66              1      NO MANUAL INTEGRATION
-------------------------------------------------------------------------------------------------------------------------------------------------------------------
1526  12312216ECD7.D 22L0199-67              1      NO MANUAL INTEGRATION
-------------------------------------------------------------------------------------------------------------------------------------------------------------------
1547  12312217ECD7.D 22L0199-68              1      NO MANUAL INTEGRATION
-------------------------------------------------------------------------------------------------------------------------------------------------------------------
```

MANUAL INTEGRATION SUMMARY FOR DATABATCH - \\target\share\chem4\ecd7.i\221231.b

```
    Time   Filename    LabID     ClientId       DF    Manually Integrated Compounds
-------------------------------------------------------------------------------------------------------------------------------------------------------------------
1608  12312218ECD7.D 22L0199-69               1      NO MANUAL INTEGRATION
-------------------------------------------------------------------------------------------------------------------------------------------------------------------
1629  12312219ECD7.D 22L0199-70               1      NO MANUAL INTEGRATION
-------------------------------------------------------------------------------------------------------------------------------------------------------------------
1650  12312220ECD7.D AR1248CCV1               1      NO MANUAL INTEGRATION
-------------------------------------------------------------------------------------------------------------------------------------------------------------------
1711  12312221ECD7.D AR1660CCV2               1      NO MANUAL INTEGRATION
-------------------------------------------------------------------------------------------------------------------------------------------------------------------
1732  12312222ECD7.D BKL0581-BLK1               1      NO MANUAL INTEGRATION
-------------------------------------------------------------------------------------------------------------------------------------------------------------------
1753  12312223ECD7.D BKL0581-BS1               1      NO MANUAL INTEGRATION
-------------------------------------------------------------------------------------------------------------------------------------------------------------------
1814  12312224ECD7.D BKL0581-BSD1               1      NO MANUAL INTEGRATION
-------------------------------------------------------------------------------------------------------------------------------------------------------------------
1836  12312225ECD7.D BKL0581-SRM1               1      NO MANUAL INTEGRATION
-------------------------------------------------------------------------------------------------------------------------------------------------------------------
1857  12312226ECD7.D BKL0581-MS1               1      NO MANUAL INTEGRATION
-------------------------------------------------------------------------------------------------------------------------------------------------------------------
1918  12312227ECD7.D BKL0581-MSD1               1      NO MANUAL INTEGRATION
-------------------------------------------------------------------------------------------------------------------------------------------------------------------
1939  12312228ECD7.D 22L0307-01               1    Aroclor-1248, Aroclor-1254, Aroclor-1260, Tetrachloro-m-xylene,
-------------------------------------------------------------------------------------------------------------------------------------------------------------------
2000  12312229ECD7.D 22L0307-02               1    Aroclor-1248, Aroclor-1254, Tetrachloro-m-xylene,
-------------------------------------------------------------------------------------------------------------------------------------------------------------------
2021  12312230ECD7.D 22L0307-03               1      NO MANUAL INTEGRATION
-------------------------------------------------------------------------------------------------------------------------------------------------------------------
2042  12312231ECD7.D 22L0307-04               1      NO MANUAL INTEGRATION
-------------------------------------------------------------------------------------------------------------------------------------------------------------------
2103  12312232ECD7.D 22L0307-05               1      NO MANUAL INTEGRATION
-------------------------------------------------------------------------------------------------------------------------------------------------------------------
2124  12312233ECD7.D 22L0307-06               1      NO MANUAL INTEGRATION
-------------------------------------------------------------------------------------------------------------------------------------------------------------------
2145  12312234ECD7.D 22L0307-07               1      NO MANUAL INTEGRATION
-------------------------------------------------------------------------------------------------------------------------------------------------------------------
2206  12312235ECD7.D 22L0307-08               1      NO MANUAL INTEGRATION
-------------------------------------------------------------------------------------------------------------------------------------------------------------------
```

MANUAL INTEGRATION SUMMARY FOR DATABATCH - \\target\share\chem4\ecd7.i\221231.b

```
    Time   Filename    LabID     ClientId       DF    Manually Integrated Compounds
--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------
2227  12312236ECD7.D 22L0307-09               1    Aroclor-1248, Aroclor-1254, Aroclor-1260,
--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------
2248  12312237ECD7.D 22L0307-10               1      NO MANUAL INTEGRATION
--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------
2310  12312238ECD7.D AR1242CCV3               1    Aroclor-1242,
--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------
2331  12312239ECD7.D AR1660CCV4               1      NO MANUAL INTEGRATION
--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------
2352  12312240ECD7.D 22L0307-11               1    Aroclor-1248, Aroclor-1254, Aroclor-1260, Tetrachloro-m-xylene,
--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------
0013  12312241ECD7.D 22L0307-12               1    Aroclor-1248, Aroclor-1254, Aroclor-1260, Tetrachloro-m-xylene,
--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------
0034  12312242ECD7.D 22L0307-13               1    Aroclor-1254, Tetrachloro-m-xylene,
--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------
0055  12312243ECD7.D 22L0307-14               1    Aroclor-1254,
--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------
0116  12312244ECD7.D 22L0307-15               1    Aroclor-1248, Aroclor-1254, Aroclor-1260,
--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------
0137  12312245ECD7.D 22L0307-16               1    Aroclor-1248, Aroclor-1254, Aroclor-1260,
--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------
0158  12312246ECD7.D 22L0307-17               1    Aroclor-1248, Aroclor-1254, Aroclor-1260, IS-BNB, IS-HBBP, Tetrachloro-m-xylene,
                                               Decachlorobiphenyl,
--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------
0219  12312247ECD7.D 22L0307-18               1    Aroclor-1254,
--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------
0240  12312248ECD7.D 22L0307-19               1      NO MANUAL INTEGRATION
--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------
0301  12312249ECD7.D 22L0307-20               1      NO MANUAL INTEGRATION
--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------
0322  12312250ECD7.D AR1254CCV5               1      NO MANUAL INTEGRATION
--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------
0343  12312251ECD7.D AR1660CCV6               1      NO MANUAL INTEGRATION
--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------
0404  12312252ECD7.D 22L0199-04RE1              10      NO MANUAL INTEGRATION
--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------
0425  12312253ECD7.D 22L0199-49RE1              10    Aroclor-1254,
--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------
```

MANUAL INTEGRATION SUMMARY FOR DATABATCH - \\target\share\chem4\ecd7.i\221231.b

```
    Time   Filename    LabID     ClientId       DF    Manually Integrated Compounds
--------------------------------------------------------------------------------------------------------------------------------------------------------------------
0446  12312254ECD7.D 22L0199-50RE1               5    Aroclor-1254,
--------------------------------------------------------------------------------------------------------------------------------------------------------------------
0507  12312255ECD7.D 22L0199-51RE1               5    Aroclor-1254,
--------------------------------------------------------------------------------------------------------------------------------------------------------------------
0529  12312256ECD7.D 22L0199-52RE1               5    Aroclor-1254,
--------------------------------------------------------------------------------------------------------------------------------------------------------------------
0550  12312257ECD7.D 22L0199-54RE1              10    Aroclor-1254,
--------------------------------------------------------------------------------------------------------------------------------------------------------------------
0611  12312258ECD7.D AR1248CCV7               1      NO MANUAL INTEGRATION
--------------------------------------------------------------------------------------------------------------------------------------------------------------------
0632  12312259ECD7.D AR1660CCV8               1      NO MANUAL INTEGRATION
--------------------------------------------------------------------------------------------------------------------------------------------------------------------
1010  12312201ECD7.D DDTS                     1      NO MANUAL INTEGRATION
--------------------------------------------------------------------------------------------------------------------------------------------------------------------
1031  12312202ECD7.D AR1254ICV1               1      NO MANUAL INTEGRATION
--------------------------------------------------------------------------------------------------------------------------------------------------------------------
1052  12312203ECD7.D AR1660ICV2               1      NO MANUAL INTEGRATION
--------------------------------------------------------------------------------------------------------------------------------------------------------------------
1113  12312204ECD7.D BKL0488-BLK1               1      NO MANUAL INTEGRATION
--------------------------------------------------------------------------------------------------------------------------------------------------------------------
1134  12312205ECD7.D BKL0488-BS1               1      NO MANUAL INTEGRATION
--------------------------------------------------------------------------------------------------------------------------------------------------------------------
1155  12312206ECD7.D BKL0488-BSD1               1      NO MANUAL INTEGRATION
--------------------------------------------------------------------------------------------------------------------------------------------------------------------
1216  12312207ECD7.D BKL0488-SRM1               1      NO MANUAL INTEGRATION
--------------------------------------------------------------------------------------------------------------------------------------------------------------------
1237  12312208ECD7.D BKL0488-MS1               1      NO MANUAL INTEGRATION
--------------------------------------------------------------------------------------------------------------------------------------------------------------------
1258  12312209ECD7.D BKL0488-MSD1               1      NO MANUAL INTEGRATION
--------------------------------------------------------------------------------------------------------------------------------------------------------------------
1319  12312210ECD7.D 22L0199-61               1      NO MANUAL INTEGRATION
--------------------------------------------------------------------------------------------------------------------------------------------------------------------
1340  12312211ECD7.D 22L0199-62               1      NO MANUAL INTEGRATION
--------------------------------------------------------------------------------------------------------------------------------------------------------------------
1402  12312212ECD7.D 22L0199-63               1    Aroclor-1248 [2C], Aroclor-1254 [2C],
--------------------------------------------------------------------------------------------------------------------------------------------------------------------
```

MANUAL INTEGRATION SUMMARY FOR DATABATCH - \\target\share\chem4\ecd7.i\221231.b\221231.b

```
    Time   Filename    LabID     ClientId       DF    Manually Integrated Compounds
--------------------------------------------------------------------------------------------------------------------------------------------------------------------
1423  12312213ECD7.D 22L0199-64               1    Aroclor-1248 [2C],
--------------------------------------------------------------------------------------------------------------------------------------------------------------------
1444  12312214ECD7.D 22L0199-65               1    Aroclor-1248 [2C],
--------------------------------------------------------------------------------------------------------------------------------------------------------------------
1505  12312215ECD7.D 22L0199-66               1      NO MANUAL INTEGRATION
--------------------------------------------------------------------------------------------------------------------------------------------------------------------
1526  12312216ECD7.D 22L0199-67               1      NO MANUAL INTEGRATION
--------------------------------------------------------------------------------------------------------------------------------------------------------------------
1547  12312217ECD7.D 22L0199-68               1      NO MANUAL INTEGRATION
--------------------------------------------------------------------------------------------------------------------------------------------------------------------
1608  12312218ECD7.D 22L0199-69               1      NO MANUAL INTEGRATION
--------------------------------------------------------------------------------------------------------------------------------------------------------------------
1629  12312219ECD7.D 22L0199-70               1      NO MANUAL INTEGRATION
--------------------------------------------------------------------------------------------------------------------------------------------------------------------
1650  12312220ECD7.D AR1248CCV1               1      NO MANUAL INTEGRATION
--------------------------------------------------------------------------------------------------------------------------------------------------------------------
1711  12312221ECD7.D AR1660CCV2               1      NO MANUAL INTEGRATION
--------------------------------------------------------------------------------------------------------------------------------------------------------------------
1732  12312222ECD7.D BKL0581-BLK1               1      NO MANUAL INTEGRATION
--------------------------------------------------------------------------------------------------------------------------------------------------------------------
1753  12312223ECD7.D BKL0581-BS1               1      NO MANUAL INTEGRATION
--------------------------------------------------------------------------------------------------------------------------------------------------------------------
1814  12312224ECD7.D BKL0581-BSD1               1      NO MANUAL INTEGRATION
--------------------------------------------------------------------------------------------------------------------------------------------------------------------
1836  12312225ECD7.D BKL0581-SRM1               1      NO MANUAL INTEGRATION
--------------------------------------------------------------------------------------------------------------------------------------------------------------------
1857  12312226ECD7.D BKL0581-MS1               1      NO MANUAL INTEGRATION
--------------------------------------------------------------------------------------------------------------------------------------------------------------------
1918  12312227ECD7.D BKL0581-MSD1               1      NO MANUAL INTEGRATION
--------------------------------------------------------------------------------------------------------------------------------------------------------------------
1939  12312228ECD7.D 22L0307-01               1    Aroclor-1248 [2C],
--------------------------------------------------------------------------------------------------------------------------------------------------------------------
2000  12312229ECD7.D 22L0307-02               1      NO MANUAL INTEGRATION
--------------------------------------------------------------------------------------------------------------------------------------------------------------------
2021  12312230ECD7.D 22L0307-03               1    Aroclor-1248 [2C],
--------------------------------------------------------------------------------------------------------------------------------------------------------------------
```

MANUAL INTEGRATION SUMMARY FOR DATABATCH - \\target\share\chem4\ecd7.i\221231.b\221231.b

```
    Time   Filename    LabID     ClientId       DF    Manually Integrated Compounds
----------------------------------------------------------------------------------------------------------------------------------------------------------------
2042  12312231ECD7.D 22L0307-04              1      NO MANUAL INTEGRATION
----------------------------------------------------------------------------------------------------------------------------------------------------------------
2103  12312232ECD7.D 22L0307-05              1      NO MANUAL INTEGRATION
----------------------------------------------------------------------------------------------------------------------------------------------------------------
2124  12312233ECD7.D 22L0307-06              1      NO MANUAL INTEGRATION
----------------------------------------------------------------------------------------------------------------------------------------------------------------
2145  12312234ECD7.D 22L0307-07              1      NO MANUAL INTEGRATION
----------------------------------------------------------------------------------------------------------------------------------------------------------------
2206  12312235ECD7.D 22L0307-08              1      NO MANUAL INTEGRATION
----------------------------------------------------------------------------------------------------------------------------------------------------------------
2227  12312236ECD7.D 22L0307-09              1    Aroclor-1248 [2C],
----------------------------------------------------------------------------------------------------------------------------------------------------------------
2248  12312237ECD7.D 22L0307-10              1      NO MANUAL INTEGRATION
----------------------------------------------------------------------------------------------------------------------------------------------------------------
2310  12312238ECD7.D AR1242CCV3              1      NO MANUAL INTEGRATION
----------------------------------------------------------------------------------------------------------------------------------------------------------------
2331  12312239ECD7.D AR1660CCV4              1      NO MANUAL INTEGRATION
----------------------------------------------------------------------------------------------------------------------------------------------------------------
2352  12312240ECD7.D 22L0307-11              1    Aroclor-1248 [2C],
----------------------------------------------------------------------------------------------------------------------------------------------------------------
0013  12312241ECD7.D 22L0307-12              1    Aroclor-1248 [2C],
----------------------------------------------------------------------------------------------------------------------------------------------------------------
0034  12312242ECD7.D 22L0307-13              1      NO MANUAL INTEGRATION
----------------------------------------------------------------------------------------------------------------------------------------------------------------
0055  12312243ECD7.D 22L0307-14              1      NO MANUAL INTEGRATION
----------------------------------------------------------------------------------------------------------------------------------------------------------------
0116  12312244ECD7.D 22L0307-15              1    Aroclor-1248 [2C],
----------------------------------------------------------------------------------------------------------------------------------------------------------------
0137  12312245ECD7.D 22L0307-16              1    Aroclor-1248 [2C],
----------------------------------------------------------------------------------------------------------------------------------------------------------------
0158  12312246ECD7.D 22L0307-17              1    Aroclor-1248 [2C],
----------------------------------------------------------------------------------------------------------------------------------------------------------------
0219  12312247ECD7.D 22L0307-18              1    Aroclor-1248 [2C],
----------------------------------------------------------------------------------------------------------------------------------------------------------------
0240  12312248ECD7.D 22L0307-19              1    Aroclor-1248 [2C],
----------------------------------------------------------------------------------------------------------------------------------------------------------------
```

MANUAL INTEGRATION SUMMARY FOR DATABATCH - \\target\share\chem4\ecd7.i\221231.b\221231.b

```
    Time   Filename    LabID     ClientId       DF    Manually Integrated Compounds
--------------------------------------------------------------------------------------------------------------------------------------------------------------------
0301  12312249ECD7.D 22L0307-20               1      NO MANUAL INTEGRATION
--------------------------------------------------------------------------------------------------------------------------------------------------------------------
0322  12312250ECD7.D AR1254CCV5               1      NO MANUAL INTEGRATION
--------------------------------------------------------------------------------------------------------------------------------------------------------------------
0343  12312251ECD7.D AR1660CCV6               1      NO MANUAL INTEGRATION
--------------------------------------------------------------------------------------------------------------------------------------------------------------------
0404  12312252ECD7.D 22L0199-04RE1              10    Aroclor-1248 [2C],
--------------------------------------------------------------------------------------------------------------------------------------------------------------------
0425  12312253ECD7.D 22L0199-49RE1              10    Aroclor-1248 [2C],
--------------------------------------------------------------------------------------------------------------------------------------------------------------------
0446  12312254ECD7.D 22L0199-50RE1               5    Aroclor-1248 [2C],
--------------------------------------------------------------------------------------------------------------------------------------------------------------------
0507  12312255ECD7.D 22L0199-51RE1               5    Aroclor-1248 [2C],
--------------------------------------------------------------------------------------------------------------------------------------------------------------------
0529  12312256ECD7.D 22L0199-52RE1               5    Aroclor-1248 [2C],
--------------------------------------------------------------------------------------------------------------------------------------------------------------------
0550  12312257ECD7.D 22L0199-54RE1              10    Aroclor-1248 [2C],
--------------------------------------------------------------------------------------------------------------------------------------------------------------------
0611  12312258ECD7.D AR1248CCV7               1      NO MANUAL INTEGRATION
--------------------------------------------------------------------------------------------------------------------------------------------------------------------
0632  12312259ECD7.D AR1660CCV8               1      NO MANUAL INTEGRATION
--------------------------------------------------------------------------------------------------------------------------------------------------------------------
```

```
Security Status Report

Date: 28-Feb-2023 09:00

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|           12312201ECD7.D|               Data Locked|             richardl, 06-Jan-2023 12:48|
|           12312202ECD7.D|               Data Locked|             richardl, 06-Jan-2023 12:48|
|           12312203ECD7.D|               Data Locked|             richardl, 06-Jan-2023 12:48|
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|           12312205ECD7.D|               Data Locked|             richardl, 06-Jan-2023 12:48|
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|           12312207ECD7.D|               Data Locked|             richardl, 06-Jan-2023 12:48|
|           12312208ECD7.D|               Data Locked|             richardl, 06-Jan-2023 12:48|
|           12312209ECD7.D|               Data Locked|             richardl, 06-Jan-2023 12:48|
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|           12312211ECD7.D|               Data Locked|             richardl, 06-Jan-2023 12:48|
|           12312212ECD7.D|               Data Locked|             richardl, 06-Jan-2023 12:48|
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|           12312214ECD7.D|               Data Locked|             richardl, 06-Jan-2023 12:48|
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|           12312217ECD7.D|               Data Locked|             richardl, 06-Jan-2023 12:48|
|           12312218ECD7.D|               Data Locked|             richardl, 06-Jan-2023 12:48|
|           12312219ECD7.D|               Data Locked|             richardl, 06-Jan-2023 12:48|
|           12312220ECD7.D|               Data Locked|             richardl, 06-Jan-2023 12:48|
|           12312221ECD7.D|               Data Locked|             richardl, 06-Jan-2023 12:48|
|           12312222ECD7.D|               Data Locked|             richardl, 06-Jan-2023 12:48|
|           12312223ECD7.D|               Data Locked|             richardl, 06-Jan-2023 12:48|
|           12312224ECD7.D|               Data Locked|             richardl, 06-Jan-2023 12:48|
|           12312225ECD7.D|               Data Locked|             richardl, 06-Jan-2023 12:48|
|           12312226ECD7.D|               Data Locked|             richardl, 06-Jan-2023 12:48|
|           12312227ECD7.D|               Data Locked|             richardl, 06-Jan-2023 12:48|
|           12312228ECD7.D|               Data Locked|             richardl, 06-Jan-2023 12:48|
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|           12312231ECD7.D|               Data Locked|             richardl, 06-Jan-2023 12:48|
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|           12312244ECD7.D|               Data Locked|             richardl, 06-Jan-2023 12:48|
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|           12312245ECD7.D|               Data Locked|             richardl, 06-Jan-2023 12:48|
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|           12312248ECD7.D|               Data Locked|             richardl, 06-Jan-2023 12:48|
|           12312249ECD7.D|               Data Locked|             richardl, 06-Jan-2023 12:48|
|           12312250ECD7.D|               Data Locked|             richardl, 06-Jan-2023 12:48|
|           12312251ECD7.D|               Data Locked|             richardl, 06-Jan-2023 12:48|
|           12312252ECD7.D|               Data Locked|             richardl, 06-Jan-2023 12:48|
|           12312253ECD7.D|               Data Locked|             richardl, 06-Jan-2023 12:48|
|           12312254ECD7.D|               Data Locked|             richardl, 06-Jan-2023 12:48|
|           12312255ECD7.D|               Data Locked|             richardl, 06-Jan-2023 12:48|
|           12312256ECD7.D|               Data Locked|             richardl, 06-Jan-2023 12:48|
|           12312257ECD7.D|               Data Locked|             richardl, 06-Jan-2023 12:48|
|           12312258ECD7.D|               Data Locked|             richardl, 06-Jan-2023 12:48|
|           12312259ECD7.D|               Data Locked|             richardl, 06-Jan-2023 12:48|
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```

Dual Column

ANALYSIS BATCH (SEQUENCE) SUMMARY

EPA 8082A

Laboratory:	Analytical Resources, LLC	SDG:	22L0307
Client:	Anchor QEA, LLC	Project:	AOC4 UR Phase 3
Sequence:	SLA0079	Instrument:	ECD7
		Calibration:	FL00010

Sample Name	Lab Sample ID	Column 1 File ID	Column 2 File ID	Matrix	Analysis Date/Time
Initial Cal Check	SLA0079-ICV1	01032302ECD7.D	01032302ECD7.D	NA	01/03/23 07:15
Initial Cal Check	SLA0079-ICV2	01032303ECD7.D	01032303ECD7.D	NA	01/03/23 07:36
LDW22-IT795B	22L0307-08	01032306ECD7.D	01032306ECD7.D	Solid	01/03/23 10:02
LDW22-IT795C	22L0307-09	01032307ECD7.D	01032307ECD7.D	Solid	01/03/23 10:23
LDW22-IT795C-FD	22L0307-10	01032308ECD7.D	01032308ECD7.D	Solid	01/03/23 10:44
Calibration Check	SLA0079-CCV1	01032311ECD7.D	01032311ECD7.D	NA	01/03/23 11:48
Calibration Check	SLA0079-CCV2	01032312ECD7.D	01032312ECD7.D	NA	01/03/23 12:09
Calibration Check	SLA0079-CCV3	01032330ECD7.D	01032330ECD7.D	NA	01/03/23 18:28
Calibration Check	SLA0079-CCV4	01032331ECD7.D	01032331ECD7.D	NA	01/03/23 18:49
Calibration Check	SLA0079-CCV5	01032347ECD7.D	01032347ECD7.D	NA	01/04/23 00:26
Calibration Check	SLA0079-CCV6	01032348ECD7.D	01032348ECD7.D	NA	01/04/23 00:47

ANALYSIS SEQUENCE

SLA0079

Instrument: ECD7
Calibration ID: FL00010

Printed: 1/7/2023 2:12:46PM

Lab Number	Analysis	Container	Order	Position	STD ID	ISTD ID	Client	Comments
SLA0079-ICV1	QC		1		K006957	K006953		
SLA0079-ICV2	QC		2		K006954	K006953		
22L0199-61	8082A PCB Solid 4	B 01	3			K006953	Anchor QEA, LLC	
22L0199-62	8082A PCB Solid 4	B 01	4			K006953	Anchor QEA, LLC	
22L0307-08	8082A PCB Solid 4	B 01	5			K006953	Anchor QEA, LLC	
22L0307-09	8082A PCB Solid 4	B 01	6			K006953	Anchor QEA, LLC	
22L0307-10	8082A PCB Solid 4	B 01	7			K006953	Anchor QEA, LLC	
22L0199-31	8082A PCB Solid 4	B 01	8			K006953	Anchor QEA, LLC	
22L0199-32	8082A PCB Solid 4	B 01	9			K006953	Anchor QEA, LLC	
SLA0079-CCV1	QC		10		K006956	K006953		
SLA0079-CCV2	QC		11		K006954	K006953		
BKL0633-BLK1	QC		12			K006953		
BKL0633-BS1	QC		13			K006953		
BKL0633-BSD1	QC		14			K006953		
BKL0633-MRL1	QC		15			K006953		
22L0567-01	8082A PCB	A 01	16			K006953	The Boeing Company [Auburn]	
22L0567-02	8082A PCB	A 01	17			K006953	The Boeing Company [Auburn]	
22L0567-03	8082A PCB	A 01	18			K006953	The Boeing Company [Auburn]	
BKL0708-BLK1	QC		19			K006953		
BKL0708-BS1	QC		20			K006953		
BKL0708-MRL1	QC		21			K006953		

Samples Loaded By Date

Data Processed By Date

ANALYSIS SEQUENCE

SLA0079

Instrument: ECD7
Calibration ID: FL00010

Printed: 1/7/2023 2:12:46PM

Lab Number	Analysis	Container	Order	Position	STD ID	ISTD ID	Client	Comments
22L0635-01	082A PCB Medium Level Oil	A 01	22			K006953	Spectra Laboratories	
22L0199-44	8082A PCB Solid 4	B 01	23			K006953	Anchor QEA, LLC	
22L0199-45	8082A PCB Solid 4	B 01	24			K006953	Anchor QEA, LLC	
SLA0079-CCV3	QC		25		K006955	K006953		
SLA0079-CCV4	QC		26		K006954	K006953		
BKL0571-BLK1	QC		27			K006953		
BKL0571-BS1	QC		28			K006953		
BKL0571-BSD1	QC		29			K006953		
BKL0571-MRL1	QC		30			K006953		
BKL0571-SRM1	QC		31			K006953		
BKL0571-MS1	QC		32			K006953		
BKL0571-MSD1	QC		33			K006953		
22L0246-44	8082A PCB Solid 4	C 02	34			K006953	Anchor QEA, LLC	
22L0246-45	8082A PCB Solid 4	C 02	35			K006953	Anchor QEA, LLC	
22L0246-46	8082A PCB Solid 4	C 02	36			K006953	Anchor QEA, LLC	
22L0246-47	8082A PCB Solid 4	C 02	37			K006953	Anchor QEA, LLC	
22L0246-48	8082A PCB Solid 4	C 02	38			K006953	Anchor QEA, LLC	
SLA0079-CCV5	QC		39		K006957	K006953		
SLA0079-CCV6	QC		40		K006954	K006953		

Samples Loaded By Date

Data Processed By Date

```
GC LOG SUMMARY FOR DATABATCH - \\target\share\chem4\ecd7.i\230103.b

    Inject Date/Time    Filename    DF  LabID         ClientID
-----------------------------------------------------------------
 1  03-JAN-2023 06:54  01032301.D   1  DDTS
 2  03-JAN-2023 07:15  01032302.D   1  AR1254ICV1
 3  03-JAN-2023 07:36  01032303.D   1  AR1660ICV2
 4  03-JAN-2023 09:20  01032304.D  10  22L0199-61RE1
 5  03-JAN-2023 09:41  01032305.D  10  22L0199-62RE1
 6  03-JAN-2023 10:02  01032306.D  10  22L0307-08RE1
 7  03-JAN-2023 10:23  01032307.D   5  22L0307-09RE1
 8  03-JAN-2023 10:44  01032308.D   5  22L0307-10RE1
 9  03-JAN-2023 11:06  01032309.D  10  22L0199-31RE1
10  03-JAN-2023 11:27  01032310.D   5  22L0199-32RE1
11  03-JAN-2023 11:48  01032311.D   1  AR1248CCV1
12  03-JAN-2023 12:09  01032312.D   1  AR1660CCV2
13  03-JAN-2023 12:30  01032313.D   1  BKL0633-BLK1
14  03-JAN-2023 12:51  01032314.D   1  BKL0633-BS1
15  03-JAN-2023 13:12  01032315.D   1  BKL0633-BSD1
16  03-JAN-2023 13:33  01032316.D   1  BKL0633-MRL1
17  03-JAN-2023 13:54  01032317.D   1  22L0567-01
18  03-JAN-2023 14:15  01032318.D   1  22L0567-02
19  03-JAN-2023 14:36  01032319.D   1  22L0567-03
20  03-JAN-2023 14:57  01032320.D   1  BKL0708-BLK1
21  03-JAN-2023 15:18  01032321.D   1  BKL0708-BS1
22  03-JAN-2023 15:39  01032322.D   1  BKL0708-MRL1
23  03-JAN-2023 16:01  01032323.D   1  22L0633-01
24  03-JAN-2023 16:22  01032324.D   5  22L0633-01RE1
25  03-JAN-2023 16:43  01032325.D   1  22L0635-01
26  03-JAN-2023 17:04  01032326.D   5  22L0635-01RE1
27  03-JAN-2023 17:25  01032327.D  10  22L0199-44RE2
28  03-JAN-2023 17:46  01032328.D  10  22L0199-45RE2
29  03-JAN-2023 18:07  01032329.D   5  22L0199-07RE2
30  03-JAN-2023 18:28  01032330.D   1  AR1242CCV3
31  03-JAN-2023 18:49  01032331.D   1  AR1660CCV4
32  03-JAN-2023 19:10  01032332.D   1  BKL0571-BLK1
33  03-JAN-2023 19:31  01032333.D   1  BKL0571-BS1
34  03-JAN-2023 19:52  01032334.D   1  BKL0571-BSD1
35  03-JAN-2023 20:13  01032335.D   1  BKL0571-MRL1
36  03-JAN-2023 20:34  01032336.D   1  BKL0571-SRM1
37  03-JAN-2023 20:55  01032337.D   1  BKL0571-MS1
38  03-JAN-2023 21:16  01032338.D   1  BKL0571-MSD1
39  03-JAN-2023 21:37  01032339.D   1  22L0246-41
40  03-JAN-2023 21:58  01032340.D   1  22L0246-42
41  03-JAN-2023 22:19  01032341.D   1  22L0246-43
42  03-JAN-2023 22:41  01032342.D   1  22L0246-44
43  03-JAN-2023 23:02  01032343.D   1  22L0246-45
44  03-JAN-2023 23:23  01032344.D   1  22L0246-46
45  03-JAN-2023 23:44  01032345.D   1  22L0246-47
46  04-JAN-2023 00:05  01032346.D   1  22L0246-48
47  04-JAN-2023 00:26  01032347.D   1  AR1254CCV5
48  04-JAN-2023 00:47  01032348.D   1  AR1660CCV6
```

```
MANUAL INTEGRATION SUMMARY FOR DATABATCH - \\target\share\chem4\ecd7.i\230103.b

ARI Job No.: DDTS   Method: PCB.m   Instrument: ecd7.i   Date: 03-JAN-2023


Time  Filename    LabID     ClientId      DF    Manually Integrated Compounds
--------------------------------------------------------------------------------------------------------------------------------------------------------------------
0654  01032301ECD7.D DDTS                    1      NO MANUAL INTEGRATION
--------------------------------------------------------------------------------------------------------------------------------------------------------------------
0715  01032302ECD7.D AR1254ICV1              1    Aroclor-1254,
--------------------------------------------------------------------------------------------------------------------------------------------------------------------
0736  01032303ECD7.D AR1660ICV2              1      NO MANUAL INTEGRATION
--------------------------------------------------------------------------------------------------------------------------------------------------------------------
0920  01032304ECD7.D 22L0199-61RE1             10      NO MANUAL INTEGRATION
--------------------------------------------------------------------------------------------------------------------------------------------------------------------
0941  01032305ECD7.D 22L0199-62RE1             10    Aroclor-1254,
--------------------------------------------------------------------------------------------------------------------------------------------------------------------
1002  01032306ECD7.D 22L0307-08RE1             10    Aroclor-1254,
--------------------------------------------------------------------------------------------------------------------------------------------------------------------
1023  01032307ECD7.D 22L0307-09RE1              5      NO MANUAL INTEGRATION
--------------------------------------------------------------------------------------------------------------------------------------------------------------------
1044  01032308ECD7.D 22L0307-10RE1              5      NO MANUAL INTEGRATION
--------------------------------------------------------------------------------------------------------------------------------------------------------------------
1106  01032309ECD7.D 22L0199-31RE1             10      NO MANUAL INTEGRATION
--------------------------------------------------------------------------------------------------------------------------------------------------------------------
1127  01032310ECD7.D 22L0199-32RE1              5      NO MANUAL INTEGRATION
--------------------------------------------------------------------------------------------------------------------------------------------------------------------
1148  01032311ECD7.D AR1248CCV1              1      NO MANUAL INTEGRATION
--------------------------------------------------------------------------------------------------------------------------------------------------------------------
1209  01032312ECD7.D AR1660CCV2              1      NO MANUAL INTEGRATION
--------------------------------------------------------------------------------------------------------------------------------------------------------------------
1230  01032313ECD7.D BKL0633-BLK1              1      NO MANUAL INTEGRATION
--------------------------------------------------------------------------------------------------------------------------------------------------------------------
1251  01032314ECD7.D BKL0633-BS1              1      NO MANUAL INTEGRATION
--------------------------------------------------------------------------------------------------------------------------------------------------------------------
1312  01032315ECD7.D BKL0633-BSD1              1      NO MANUAL INTEGRATION
--------------------------------------------------------------------------------------------------------------------------------------------------------------------
1333  01032316ECD7.D BKL0633-MRL1              1      NO MANUAL INTEGRATION
--------------------------------------------------------------------------------------------------------------------------------------------------------------------
1354  01032317ECD7.D 22L0567-01              1    IS-HBBP, Decachlorobiphenyl,
--------------------------------------------------------------------------------------------------------------------------------------------------------------------
```

MANUAL INTEGRATION SUMMARY FOR DATABATCH - \\target\share\chem4\ecd7.i\230103.b

```
    Time   Filename    LabID     ClientId       DF    Manually Integrated Compounds
-------------------------------------------------------------------------------------------------------------------------------------------------------------------
1415  01032318ECD7.D 22L0567-02               1    IS-HBBP, Decachlorobiphenyl,
-------------------------------------------------------------------------------------------------------------------------------------------------------------------
1436  01032319ECD7.D 22L0567-03               1      NO MANUAL INTEGRATION
-------------------------------------------------------------------------------------------------------------------------------------------------------------------
1457  01032320ECD7.D BKL0708-BLK1               1      NO MANUAL INTEGRATION
-------------------------------------------------------------------------------------------------------------------------------------------------------------------
1518  01032321ECD7.D BKL0708-BS1               1      NO MANUAL INTEGRATION
-------------------------------------------------------------------------------------------------------------------------------------------------------------------
1539  01032322ECD7.D BKL0708-MRL1               1      NO MANUAL INTEGRATION
-------------------------------------------------------------------------------------------------------------------------------------------------------------------
1601  01032323ECD7.D 22L0633-01               1      NO MANUAL INTEGRATION
-------------------------------------------------------------------------------------------------------------------------------------------------------------------
1622  01032324ECD7.D 22L0633-01RE1               5      NO MANUAL INTEGRATION
-------------------------------------------------------------------------------------------------------------------------------------------------------------------
1643  01032325ECD7.D 22L0635-01               1    IS-HBBP, Decachlorobiphenyl,
-------------------------------------------------------------------------------------------------------------------------------------------------------------------
1704  01032326ECD7.D 22L0635-01RE1               5      NO MANUAL INTEGRATION
-------------------------------------------------------------------------------------------------------------------------------------------------------------------
1725  01032327ECD7.D 22L0199-44RE2              10    Aroclor-1254,
-------------------------------------------------------------------------------------------------------------------------------------------------------------------
1746  01032328ECD7.D 22L0199-45RE2              10      NO MANUAL INTEGRATION
-------------------------------------------------------------------------------------------------------------------------------------------------------------------
1807  01032329ECD7.D 22L0199-07RE2               5      NO MANUAL INTEGRATION
-------------------------------------------------------------------------------------------------------------------------------------------------------------------
1828  01032330ECD7.D AR1242CCV3               1    Aroclor-1242,
-------------------------------------------------------------------------------------------------------------------------------------------------------------------
1849  01032331ECD7.D AR1660CCV4               1      NO MANUAL INTEGRATION
-------------------------------------------------------------------------------------------------------------------------------------------------------------------
1910  01032332ECD7.D BKL0571-BLK1               1      NO MANUAL INTEGRATION
-------------------------------------------------------------------------------------------------------------------------------------------------------------------
1931  01032333ECD7.D BKL0571-BS1               1      NO MANUAL INTEGRATION
-------------------------------------------------------------------------------------------------------------------------------------------------------------------
1952  01032334ECD7.D BKL0571-BSD1               1      NO MANUAL INTEGRATION
-------------------------------------------------------------------------------------------------------------------------------------------------------------------
2013  01032335ECD7.D BKL0571-MRL1               1      NO MANUAL INTEGRATION
-------------------------------------------------------------------------------------------------------------------------------------------------------------------
```

MANUAL INTEGRATION SUMMARY FOR DATABATCH - \\target\share\chem4\ecd7.i\230103.b

```
    Time   Filename    LabID     ClientId       DF    Manually Integrated Compounds
------------------------------------------------------------------------------------------------------------------------------------------------------------------------
2034  01032336ECD7.D BKL0571-SRM1              1      NO MANUAL INTEGRATION
------------------------------------------------------------------------------------------------------------------------------------------------------------------------
2055  01032337ECD7.D BKL0571-MS1              1      NO MANUAL INTEGRATION
------------------------------------------------------------------------------------------------------------------------------------------------------------------------
2116  01032338ECD7.D BKL0571-MSD1              1      NO MANUAL INTEGRATION
------------------------------------------------------------------------------------------------------------------------------------------------------------------------
2137  01032339ECD7.D 22L0246-41              1      NO MANUAL INTEGRATION
------------------------------------------------------------------------------------------------------------------------------------------------------------------------
2158  01032340ECD7.D 22L0246-42              1      NO MANUAL INTEGRATION
------------------------------------------------------------------------------------------------------------------------------------------------------------------------
2219  01032341ECD7.D 22L0246-43              1    Aroclor-1254,
------------------------------------------------------------------------------------------------------------------------------------------------------------------------
2241  01032342ECD7.D 22L0246-44              1    Aroclor-1254,
------------------------------------------------------------------------------------------------------------------------------------------------------------------------
2302  01032343ECD7.D 22L0246-45              1      NO MANUAL INTEGRATION
------------------------------------------------------------------------------------------------------------------------------------------------------------------------
2323  01032344ECD7.D 22L0246-46              1      NO MANUAL INTEGRATION
------------------------------------------------------------------------------------------------------------------------------------------------------------------------
2344  01032345ECD7.D 22L0246-47              1      NO MANUAL INTEGRATION
------------------------------------------------------------------------------------------------------------------------------------------------------------------------
0005  01032346ECD7.D 22L0246-48              1      NO MANUAL INTEGRATION
------------------------------------------------------------------------------------------------------------------------------------------------------------------------
0026  01032347ECD7.D AR1254CCV5              1    Aroclor-1254,
------------------------------------------------------------------------------------------------------------------------------------------------------------------------
0047  01032348ECD7.D AR1660CCV6              1      NO MANUAL INTEGRATION
------------------------------------------------------------------------------------------------------------------------------------------------------------------------
0654  01032301ECD7.D DDTS                    1      NO MANUAL INTEGRATION
------------------------------------------------------------------------------------------------------------------------------------------------------------------------
0715  01032302ECD7.D AR1254ICV1              1      NO MANUAL INTEGRATION
------------------------------------------------------------------------------------------------------------------------------------------------------------------------
0736  01032303ECD7.D AR1660ICV2              1      NO MANUAL INTEGRATION
------------------------------------------------------------------------------------------------------------------------------------------------------------------------
0920  01032304ECD7.D 22L0199-61RE1              10      NO MANUAL INTEGRATION
------------------------------------------------------------------------------------------------------------------------------------------------------------------------
0941  01032305ECD7.D 22L0199-62RE1              10      NO MANUAL INTEGRATION
------------------------------------------------------------------------------------------------------------------------------------------------------------------------
```

MANUAL INTEGRATION SUMMARY FOR DATABATCH - \\target\share\chem4\ecd7.i\230103.b\230103.b

```
    Time   Filename    LabID     ClientId       DF    Manually Integrated Compounds
-------------------------------------------------------------------------------------------------------------------------------------------------------------------
1002  01032306ECD7.D 22L0307-08RE1             10      NO MANUAL INTEGRATION
-------------------------------------------------------------------------------------------------------------------------------------------------------------------
1023  01032307ECD7.D 22L0307-09RE1              5      NO MANUAL INTEGRATION
-------------------------------------------------------------------------------------------------------------------------------------------------------------------
1044  01032308ECD7.D 22L0307-10RE1              5      NO MANUAL INTEGRATION
-------------------------------------------------------------------------------------------------------------------------------------------------------------------
1106  01032309ECD7.D 22L0199-31RE1             10      NO MANUAL INTEGRATION
-------------------------------------------------------------------------------------------------------------------------------------------------------------------
1127  01032310ECD7.D 22L0199-32RE1              5    Aroclor-1248 [2C],
-------------------------------------------------------------------------------------------------------------------------------------------------------------------
1148  01032311ECD7.D AR1248CCV1              1      NO MANUAL INTEGRATION
-------------------------------------------------------------------------------------------------------------------------------------------------------------------
1209  01032312ECD7.D AR1660CCV2              1      NO MANUAL INTEGRATION
-------------------------------------------------------------------------------------------------------------------------------------------------------------------
1230  01032313ECD7.D BKL0633-BLK1              1      NO MANUAL INTEGRATION
-------------------------------------------------------------------------------------------------------------------------------------------------------------------
1251  01032314ECD7.D BKL0633-BS1              1      NO MANUAL INTEGRATION
-------------------------------------------------------------------------------------------------------------------------------------------------------------------
1312  01032315ECD7.D BKL0633-BSD1              1      NO MANUAL INTEGRATION
-------------------------------------------------------------------------------------------------------------------------------------------------------------------
1333  01032316ECD7.D BKL0633-MRL1              1      NO MANUAL INTEGRATION
-------------------------------------------------------------------------------------------------------------------------------------------------------------------
1354  01032317ECD7.D 22L0567-01              1    Decachlorobiphenyl [2C],
-------------------------------------------------------------------------------------------------------------------------------------------------------------------
1415  01032318ECD7.D 22L0567-02              1      NO MANUAL INTEGRATION
-------------------------------------------------------------------------------------------------------------------------------------------------------------------
1436  01032319ECD7.D 22L0567-03              1      NO MANUAL INTEGRATION
-------------------------------------------------------------------------------------------------------------------------------------------------------------------
1457  01032320ECD7.D BKL0708-BLK1              1      NO MANUAL INTEGRATION
-------------------------------------------------------------------------------------------------------------------------------------------------------------------
1518  01032321ECD7.D BKL0708-BS1              1      NO MANUAL INTEGRATION
-------------------------------------------------------------------------------------------------------------------------------------------------------------------
1539  01032322ECD7.D BKL0708-MRL1              1      NO MANUAL INTEGRATION
-------------------------------------------------------------------------------------------------------------------------------------------------------------------
1601  01032323ECD7.D 22L0633-01              1      NO MANUAL INTEGRATION
-------------------------------------------------------------------------------------------------------------------------------------------------------------------
```

MANUAL INTEGRATION SUMMARY FOR DATABATCH - \\target\share\chem4\ecd7.i\230103.b\230103.b

```
    Time   Filename    LabID     ClientId       DF    Manually Integrated Compounds
--------------------------------------------------------------------------------------------------------------------------------------------------------------------
1622  01032324ECD7.D 22L0633-01RE1               5      NO MANUAL INTEGRATION
--------------------------------------------------------------------------------------------------------------------------------------------------------------------
1643  01032325ECD7.D 22L0635-01               1      NO MANUAL INTEGRATION
--------------------------------------------------------------------------------------------------------------------------------------------------------------------
1704  01032326ECD7.D 22L0635-01RE1               5      NO MANUAL INTEGRATION
--------------------------------------------------------------------------------------------------------------------------------------------------------------------
1725  01032327ECD7.D 22L0199-44RE2              10    Aroclor-1248 [2C],
--------------------------------------------------------------------------------------------------------------------------------------------------------------------
1746  01032328ECD7.D 22L0199-45RE2              10    Aroclor-1248 [2C], Aroclor-1254 [2C], Tetrachloro-m-xylene [2C],
--------------------------------------------------------------------------------------------------------------------------------------------------------------------
1807  01032329ECD7.D 22L0199-07RE2               5      NO MANUAL INTEGRATION
--------------------------------------------------------------------------------------------------------------------------------------------------------------------
1828  01032330ECD7.D AR1242CCV3               1      NO MANUAL INTEGRATION
--------------------------------------------------------------------------------------------------------------------------------------------------------------------
1849  01032331ECD7.D AR1660CCV4               1      NO MANUAL INTEGRATION
--------------------------------------------------------------------------------------------------------------------------------------------------------------------
1910  01032332ECD7.D BKL0571-BLK1               1      NO MANUAL INTEGRATION
--------------------------------------------------------------------------------------------------------------------------------------------------------------------
1931  01032333ECD7.D BKL0571-BS1               1      NO MANUAL INTEGRATION
--------------------------------------------------------------------------------------------------------------------------------------------------------------------
1952  01032334ECD7.D BKL0571-BSD1               1      NO MANUAL INTEGRATION
--------------------------------------------------------------------------------------------------------------------------------------------------------------------
2013  01032335ECD7.D BKL0571-MRL1               1      NO MANUAL INTEGRATION
--------------------------------------------------------------------------------------------------------------------------------------------------------------------
2034  01032336ECD7.D BKL0571-SRM1               1      NO MANUAL INTEGRATION
--------------------------------------------------------------------------------------------------------------------------------------------------------------------
2055  01032337ECD7.D BKL0571-MS1               1      NO MANUAL INTEGRATION
--------------------------------------------------------------------------------------------------------------------------------------------------------------------
2116  01032338ECD7.D BKL0571-MSD1               1      NO MANUAL INTEGRATION
--------------------------------------------------------------------------------------------------------------------------------------------------------------------
2137  01032339ECD7.D 22L0246-41               1      NO MANUAL INTEGRATION
--------------------------------------------------------------------------------------------------------------------------------------------------------------------
2158  01032340ECD7.D 22L0246-42               1      NO MANUAL INTEGRATION
--------------------------------------------------------------------------------------------------------------------------------------------------------------------
2219  01032341ECD7.D 22L0246-43               1      NO MANUAL INTEGRATION
--------------------------------------------------------------------------------------------------------------------------------------------------------------------
```

MANUAL INTEGRATION SUMMARY FOR DATABATCH - \\target\share\chem4\ecd7.i\230103.b\230103.b

```
    Time   Filename    LabID     ClientId       DF    Manually Integrated Compounds
--------------------------------------------------------------------------------------------------------------------------------------------------------------------------
2241  01032342ECD7.D 22L0246-44               1    Aroclor-1254 [2C],
--------------------------------------------------------------------------------------------------------------------------------------------------------------------------
2302  01032343ECD7.D 22L0246-45               1    Aroclor-1260 [2C],
--------------------------------------------------------------------------------------------------------------------------------------------------------------------------
2323  01032344ECD7.D 22L0246-46               1      NO MANUAL INTEGRATION
--------------------------------------------------------------------------------------------------------------------------------------------------------------------------
2344  01032345ECD7.D 22L0246-47               1      NO MANUAL INTEGRATION
--------------------------------------------------------------------------------------------------------------------------------------------------------------------------
0005  01032346ECD7.D 22L0246-48               1      NO MANUAL INTEGRATION
--------------------------------------------------------------------------------------------------------------------------------------------------------------------------
0026  01032347ECD7.D AR1254CCV5               1      NO MANUAL INTEGRATION
--------------------------------------------------------------------------------------------------------------------------------------------------------------------------
0047  01032348ECD7.D AR1660CCV6               1      NO MANUAL INTEGRATION
--------------------------------------------------------------------------------------------------------------------------------------------------------------------------
```

```
Security Status Report

Date: 07-Jan-2023 14:51

+-------------------------+--------------------------+----------------------------------------+
|           01032301ECD7.D|               Data Locked|             richardl, 07-Jan-2023 14:51|
|           01032302ECD7.D|               Data Locked|             richardl, 07-Jan-2023 14:51|
|           01032303ECD7.D|               Data Locked|             richardl, 07-Jan-2023 14:51|
|           01032304ECD7.D|               Data Locked|             richardl, 07-Jan-2023 14:51|
|           01032305ECD7.D|               Data Locked|             richardl, 07-Jan-2023 14:51|
|           01032306ECD7.D|               Data Locked|             richardl, 07-Jan-2023 14:51|
|           01032307ECD7.D|               Data Locked|             richardl, 07-Jan-2023 14:51|
|           01032308ECD7.D|               Data Locked|             richardl, 07-Jan-2023 14:51|
|           01032309ECD7.D|               Data Locked|             richardl, 07-Jan-2023 14:51|
|           01032310ECD7.D|               Data Locked|             richardl, 07-Jan-2023 14:51|
|           01032311ECD7.D|               Data Locked|             richardl, 07-Jan-2023 14:51|
|           01032312ECD7.D|               Data Locked|             richardl, 07-Jan-2023 14:51|
|           01032313ECD7.D|               Data Locked|             richardl, 07-Jan-2023 14:51|
|           01032314ECD7.D|               Data Locked|             richardl, 07-Jan-2023 14:51|
|           01032315ECD7.D|               Data Locked|             richardl, 07-Jan-2023 14:51|
|           01032316ECD7.D|               Data Locked|             richardl, 07-Jan-2023 14:51|
|           01032317ECD7.D|               Data Locked|             richardl, 07-Jan-2023 14:51|
|           01032318ECD7.D|               Data Locked|             richardl, 07-Jan-2023 14:51|
|           01032319ECD7.D|               Data Locked|             richardl, 07-Jan-2023 14:51|
|           01032320ECD7.D|               Data Locked|             richardl, 07-Jan-2023 14:51|
|           01032321ECD7.D|               Data Locked|             richardl, 07-Jan-2023 14:51|
|           01032322ECD7.D|               Data Locked|             richardl, 07-Jan-2023 14:51|
|           01032323ECD7.D|               Data Locked|             richardl, 07-Jan-2023 14:51|
|           01032324ECD7.D|               Data Locked|             richardl, 07-Jan-2023 14:51|
|           01032325ECD7.D|               Data Locked|             richardl, 07-Jan-2023 14:51|
|           01032326ECD7.D|               Data Locked|             richardl, 07-Jan-2023 14:51|
|           01032327ECD7.D|               Data Locked|             richardl, 07-Jan-2023 14:51|
|           01032328ECD7.D|               Data Locked|             richardl, 07-Jan-2023 14:51|
|           01032329ECD7.D|               Data Locked|             richardl, 07-Jan-2023 14:51|
|           01032330ECD7.D|               Data Locked|             richardl, 07-Jan-2023 14:51|
|           01032331ECD7.D|               Data Locked|             richardl, 07-Jan-2023 14:51|
|           01032332ECD7.D|               Data Locked|             richardl, 07-Jan-2023 14:51|
|           01032333ECD7.D|               Data Locked|             richardl, 07-Jan-2023 14:51|
|           01032334ECD7.D|               Data Locked|             richardl, 07-Jan-2023 14:51|
|           01032335ECD7.D|               Data Locked|             richardl, 07-Jan-2023 14:51|
|           01032336ECD7.D|               Data Locked|             richardl, 07-Jan-2023 14:51|
|           01032337ECD7.D|               Data Locked|             richardl, 07-Jan-2023 14:51|
|           01032338ECD7.D|               Data Locked|             richardl, 07-Jan-2023 14:51|
|           01032339ECD7.D|               Data Locked|             richardl, 07-Jan-2023 14:51|
|           01032340ECD7.D|               Data Locked|             richardl, 07-Jan-2023 14:51|
|           01032341ECD7.D|               Data Locked|             richardl, 07-Jan-2023 14:51|
|           01032342ECD7.D|               Data Locked|             richardl, 07-Jan-2023 14:51|
|           01032343ECD7.D|               Data Locked|             richardl, 07-Jan-2023 14:51|
|           01032344ECD7.D|               Data Locked|             richardl, 07-Jan-2023 14:51|
```

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|           01032345ECD7.D|               Data Locked|              richardl, 07-Jan-2023 14:51|
|           01032346ECD7.D|               Data Locked|              richardl, 07-Jan-2023 14:51|
|           01032347ECD7.D|               Data Locked|              richardl, 07-Jan-2023 14:51|
|           01032348ECD7.D|               Data Locked|              richardl, 07-Jan-2023 14:51|
+-------------------------+--------------------------+-----------------------------------------+
```

Dual Column

ANALYSIS BATCH (SEQUENCE) SUMMARY

EPA 8082A

Laboratory:	Analytical Resources, LLC	SDG:	22L0307
Client:	Anchor QEA, LLC	Project:	AOC4 UR Phase 3
Sequence:	SLA0096	Instrument:	ECD7
		Calibration:	FL00010

Sample Name	Lab Sample ID	Column 1 File ID	Column 2 File ID	Matrix	Analysis Date/Time
Calibration Check	SLA0096-CCV3	01052331ECD7.D	01052331ECD7.D	NA	01/05/23 22:56
Calibration Check	SLA0096-CCV4	01052332ECD7.D	01052332ECD7.D	NA	01/05/23 23:17
Calibration Check	SLA0096-CCV5	01052349ECD7.D	01052349ECD7.D	NA	01/06/23 05:15
Calibration Check	SLA0096-CCV6	01052350ECD7.D	01052350ECD7.D	NA	01/06/23 05:36
Calibration Check	SLA0096-CCV7	01052361ECD7.D	01052361ECD7.D	NA	01/06/23 09:28
Calibration Check	SLA0096-CCV8	01052362ECD7.D	01052362ECD7.D	NA	01/06/23 09:49
Calibration Check	SLA0096-CCV9	01052372ECD7.D	01052372ECD7.D	NA	01/06/23 13:19
Calibration Check	SLA0096-CCVA	01052373ECD7.D	01052373ECD7.D	NA	01/06/23 13:40
Calibration Check	SLA0096-CCVB	01052384ECD7.D	01052384ECD7.D	NA	01/06/23 17:32
Calibration Check	SLA0096-CCVC	01052385ECD7.D	01052385ECD7.D	NA	01/06/23 17:53
LDW22-IT793A	22L0307-01	01052389ECD7.D	01052389ECD7.D	Solid	01/06/23 19:18
Calibration Check	SLA0096-CCVD	01052392ECD7.D	01052392ECD7.D	NA	01/06/23 20:21
Calibration Check	SLA0096-CCVE	01052393ECD7.D	01052393ECD7.D	NA	01/06/23 20:42

ANALYSIS SEQUENCE

SLA0096

Instrument: ECD7
Calibration ID: FL00010

Printed: 1/10/2023 2:09:09PM

Lab Number	Analysis	Container	Order	Position	STD ID	ISTD ID	Client	Comments
SLA0096-ICV1	QC		1		K006957	K006953		
SLA0096-ICV2	QC		2		K006954	K006953		
BLA0052-BLK1	QC		3			K006953		
BLA0052-BS1	QC		4			K006953		
23A0030-01	082A PCB Medium Level Oil	A 01	5			K006953	Seattle Public Utilities [Solid Waste Field Op]	See Version Comment
BLA0047-BLK1	QC		6			K006953		
BLA0047-BS1	QC		7			K006953		
BLA0047-BSD1	QC		8			K006953		
22L0663-01	PCB (20 ug/kg) or (MTCA 0.	B 01	9			K006953	Nucor Steel Corporation	
BLA0043-BLK1	QC		10			K006953		
BLA0043-BS1	QC		11			K006953		
BLA0043-BSD1	QC		12			K006953		
22L0661-01	8.3 PCBs 0.01 ug/L or 20 ug/	E 01	13			K006953	Nucor Steel Corporation	
23A0027-01	8.3 PCBs 0.01 ug/L or 20 ug/	E 01	14			K006953	Schnitzer Steel	Please run low-level check standards ,
SLA0096-CCV1	QC		15		K006956	K006953		
SLA0096-CCV2	QC		16		K006954	K006953		
22L0246-11	8082A PCB Solid 4	C 02	17			K006953	Anchor QEA, LLC	
22L0246-12	8082A PCB Solid 4	C 02	18			K006953	Anchor QEA, LLC	
22L0246-13	8082A PCB Solid 4	C 02	19			K006953	Anchor QEA, LLC	
22L0246-14	8082A PCB Solid 4	C 02	20			K006953	Anchor QEA, LLC	
22L0246-15	8082A PCB Solid 4	B 01	21			K006953	Anchor QEA, LLC	

Samples Loaded By Date

Data Processed By Date

ANALYSIS SEQUENCE

SLA0096

Instrument: ECD7
Calibration ID: FL00010

Printed: 1/10/2023 2:09:09PM

Lab Number	Analysis	Container	Order	Position	STD ID	ISTD ID	Client	Comments
22L0246-16	8082A PCB Solid 4	B 01	22			K006953	Anchor QEA, LLC	
22L0246-17	8082A PCB Solid 4	B 01	23			K006953	Anchor QEA, LLC	
SLA0096-CCV3	QC		24		K006955	K006953		
SLA0096-CCV4	QC		25		K006954	K006953		
22L0473-03	8082A PCB Solid 4	A 02	26			K006953	Anchor QEA, LLC	
22L0473-05	8082A PCB Solid 4	A 02	27			K006953	Anchor QEA, LLC	
22L0473-06	8082A PCB Solid 4	A 02	28			K006953	Anchor QEA, LLC	
22L0473-07	8082A PCB Solid 4	A 02	29			K006953	Anchor QEA, LLC	
22L0473-08	8082A PCB Solid 4	A 02	30			K006953	Anchor QEA, LLC	
SLA0096-CCV5	QC		31		K006957	K006953		
SLA0096-CCV6	QC		32		K006954	K006953		
22L0473-09	8082A PCB Solid 4	A 02	33			K006953	Anchor QEA, LLC	
22L0473-10	8082A PCB Solid 4	A 01	34			K006953	Anchor QEA, LLC	
22L0492-13	8082A PCB Solid 4	A 01	35			K006953	Windward Environmental, LLC	
22L0492-15	8082A PCB Solid 4	A 01	36			K006953	Windward Environmental, LLC	
22L0492-16	8082A PCB Solid 4	A 01	37			K006953	Windward Environmental, LLC	
SLA0096-CCV7	QC		38		K006956	K006953		
SLA0096-CCV8	QC		39		K006954	K006953		
22L0246-21	8082A PCB Solid 4	B 01	40			K006953	Anchor QEA, LLC	
22L0246-22	8082A PCB Solid 4	B 01	41			K006953	Anchor QEA, LLC	
22L0246-06	8082A PCB Solid 4	B 01	42			K006953	Anchor QEA, LLC	

Samples Loaded By Date

Data Processed By Date

ANALYSIS SEQUENCE

SLA0096

Instrument: ECD7
Calibration ID: FL00010

Printed: 1/10/2023 2:09:09PM

Lab Number	Analysis	Container	Order	Position	STD ID	ISTD ID	Client	Comments
22L0246-07	8082A PCB Solid 4	C 02	43			K006953	Anchor QEA, LLC	
22L0246-05	8082A PCB Solid 4	B 01	44			K006953	Anchor QEA, LLC	
22L0246-09	8082A PCB Solid 4	C 02	45			K006953	Anchor QEA, LLC	
22L0199-40	8082A PCB Solid 4	B 01	46			K006953	Anchor QEA, LLC	
22L0199-41	8082A PCB Solid 4	B 01	47			K006953	Anchor QEA, LLC	
22L0199-42	8082A PCB Solid 4	B 01	48			K006953	Anchor QEA, LLC	
SLA0096-CCV9	QC		49		K006955	K006953		
SLA0096-CCVA	QC		50		K006954	K006953		
22L0199-25	8082A PCB Solid 4	B 01	51			K006953	Anchor QEA, LLC	
22L0199-26	8082A PCB Solid 4	B 01	52			K006953	Anchor QEA, LLC	
22L0199-27	8082A PCB Solid 4	B 01	53			K006953	Anchor QEA, LLC	
22L0199-28	8082A PCB Solid 4	B 01	54			K006953	Anchor QEA, LLC	
22L0199-29	8082A PCB Solid 4	B 01	55			K006953	Anchor QEA, LLC	
22L0199-30	8082A PCB Solid 4	B 01	56			K006953	Anchor QEA, LLC	
22L0199-33	8082A PCB Solid 4	B 01	57			K006953	Anchor QEA, LLC	
22L0199-34	8082A PCB Solid 4	B 01	58			K006953	Anchor QEA, LLC	
22L0199-35	8082A PCB Solid 4	B 01	59			K006953	Anchor QEA, LLC	
22L0199-36	8082A PCB Solid 4	B 01	60			K006953	Anchor QEA, LLC	
SLA0096-CCVB	QC		61		K006957	K006953		
SLA0096-CCVC	QC		62		K006954	K006953		
22L0199-37	8082A PCB Solid 4	B 01	63			K006953	Anchor QEA, LLC	

Samples Loaded By Date

Data Processed By Date

ANALYSIS SEQUENCE

SLA0096

Instrument: ECD7
Calibration ID: FL00010

Printed: 1/10/2023 2:09:09PM

Lab Number	Analysis	Container	Order	Position	STD ID	ISTD ID	Client	Comments
22L0199-38	8082A PCB Solid 4	B 01	64			K006953	Anchor QEA, LLC	
22L0199-39	8082A PCB Solid 4	B 01	65			K006953	Anchor QEA, LLC	
22L0307-01	8082A PCB Solid 4	B 01	66			K006953	Anchor QEA, LLC	
22L0137-19	8082A PCB Solid 4	B 01	67			K006953	Anchor QEA, LLC	
SLA0096-CCVD	QC		68		K006956	K006953		
SLA0096-CCVE	QC		69		K006954	K006953		

Samples Loaded By Date

Data Processed By Date

```
GC LOG SUMMARY FOR DATABATCH - \\target\share\chem4\ecd7.i\230105.b

    Inject Date/Time    Filename    DF  LabID         ClientID
-----------------------------------------------------------------
 1  05-JAN-2023 12:22  01052301.D   1  DDTS
 2  05-JAN-2023 12:43  01052302.D   1  AR1254ICV1
 3  05-JAN-2023 13:04  01052303.D   1  AR1660ICV2
 4  05-JAN-2023 13:26  01052304.D   1  BLA0052-BLK1
 5  05-JAN-2023 13:47  01052305.D   1  BLA0052-BS1
 6  05-JAN-2023 14:08  01052306.D   1  23A0030-01
 7  05-JAN-2023 14:29  01052307.D   5  23A0030-01RE1
 8  05-JAN-2023 14:50  01052308.D   1  BLA0047-BLK1
 9  05-JAN-2023 15:11  01052309.D   1  BLA0047-BS1
10  05-JAN-2023 15:32  01052310.D   1  BLA0047-BSD1
11  05-JAN-2023 15:53  01052311.D   1  22L0663-01
12  05-JAN-2023 16:15  01052312.D   5  22L0663-01RE1
13  05-JAN-2023 16:36  01052313.D   1  BLA0043-BLK1
14  05-JAN-2023 16:57  01052314.D   1  BLA0043-BS1
15  05-JAN-2023 17:18  01052315.D   1  BLA0043-BSD1
16  05-JAN-2023 17:39  01052316.D   1  22L0661-01
17  05-JAN-2023 18:00  01052317.D   1  23A0027-01
18  05-JAN-2023 18:21  01052318.D   1  SCVA250
19  05-JAN-2023 18:42  01052319.D   1  AR1248CCV1
20  05-JAN-2023 19:04  01052320.D   1  AR1660CCV2
21  05-JAN-2023 19:25  01052321.D   1  22L0246-11
22  05-JAN-2023 19:46  01052322.D   1  22L0246-12
23  05-JAN-2023 20:07  01052323.D   1  22L0246-13
24  05-JAN-2023 20:28  01052324.D   1  22L0246-14
25  05-JAN-2023 20:49  01052325.D   1  22L0246-15
26  05-JAN-2023 21:10  01052326.D   1  22L0246-16
27  05-JAN-2023 21:31  01052327.D   1  22L0246-17
28  05-JAN-2023 21:52  01052328.D   1  22L0246-18
29  05-JAN-2023 22:14  01052329.D   1  22L0246-19
30  05-JAN-2023 22:35  01052330.D   1  22L0246-20
31  05-JAN-2023 22:56  01052331.D   1  AR1242CCV3
32  05-JAN-2023 23:17  01052332.D   1  AR1660CCV4
33  05-JAN-2023 23:38  01052333.D   1  BKL0613-BLK1
34  05-JAN-2023 23:59  01052334.D   1  BKL0613-BS1
35  06-JAN-2023 00:20  01052335.D   1  BKL0613-BSD1
36  06-JAN-2023 00:41  01052336.D   1  BKL0613-SRM1
37  06-JAN-2023 01:02  01052337.D   1  BKL0613-MS1
38  06-JAN-2023 01:23  01052338.D   1  BKL0613-MSD1
39  06-JAN-2023 01:45  01052339.D   1  BKL0613-MS2
40  06-JAN-2023 02:06  01052340.D   1  BKL0613-MSD2
41  06-JAN-2023 02:27  01052341.D   1  22L0473-01
42  06-JAN-2023 02:48  01052342.D   1  22L0473-02
43  06-JAN-2023 03:09  01052343.D   1  22L0473-03
44  06-JAN-2023 03:30  01052344.D   1  22L0473-04
45  06-JAN-2023 03:51  01052345.D   1  22L0473-05
46  06-JAN-2023 04:12  01052346.D   1  22L0473-06
47  06-JAN-2023 04:33  01052347.D   1  22L0473-07
48  06-JAN-2023 04:54  01052348.D   1  22L0473-08
49  06-JAN-2023 05:15  01052349.D   1  AR1254CCV5
50  06-JAN-2023 05:36  01052350.D   1  AR1660CCV6
```

```
    Inject Date/Time    Filename    DF  LabID         ClientID
-------------------------------------------------------------------
51  06-JAN-2023 05:57  01052351.D   1  22L0473-09
52  06-JAN-2023 06:18  01052352.D   1  22L0473-10
53  06-JAN-2023 06:39  01052353.D   1  22L0473-11
54  06-JAN-2023 07:00  01052354.D   1  22L0492-12
55  06-JAN-2023 07:22  01052355.D   1  22L0492-13
56  06-JAN-2023 07:43  01052356.D   1  22L0492-14
57  06-JAN-2023 08:04  01052357.D   1  22L0492-15
58  06-JAN-2023 08:25  01052358.D   1  22L0492-16
59  06-JAN-2023 08:46  01052359.D   1  22L0492-17
60  06-JAN-2023 09:07  01052360.D   1  22L0492-18
61  06-JAN-2023 09:28  01052361.D   1  AR1248CCV7
62  06-JAN-2023 09:49  01052362.D   1  AR1660CCV8
63  06-JAN-2023 10:10  01052363.D  10  22L0246-21RE1
64  06-JAN-2023 10:31  01052364.D  10  22L0246-22RE1
65  06-JAN-2023 10:52  01052365.D  10  22L0246-06RE1
66  06-JAN-2023 11:13  01052366.D   5  22L0246-07RE1
67  06-JAN-2023 11:34  01052367.D   1  22L0246-05
68  06-JAN-2023 11:55  01052368.D   1  22L0246-09
69  06-JAN-2023 12:16  01052369.D   1  22L0199-40
70  06-JAN-2023 12:37  01052370.D   5  22L0199-41RE2
71  06-JAN-2023 12:58  01052371.D   5  22L0199-42RE2
72  06-JAN-2023 13:19  01052372.D   1  AR1242CCV9
73  06-JAN-2023 13:40  01052373.D   1  AR1660CCVA
74  06-JAN-2023 14:02  01052374.D   1  22L0199-25
75  06-JAN-2023 14:23  01052375.D   1  22L0199-26
76  06-JAN-2023 14:44  01052376.D   1  22L0199-27
77  06-JAN-2023 15:05  01052377.D   1  22L0199-28
78  06-JAN-2023 15:26  01052378.D   1  22L0199-29
79  06-JAN-2023 15:47  01052379.D  20  22L0199-30
80  06-JAN-2023 16:08  01052380.D   1  22L0199-33
81  06-JAN-2023 16:29  01052381.D   1  22L0199-34
82  06-JAN-2023 16:50  01052382.D   1  22L0199-35
83  06-JAN-2023 17:11  01052383.D   1  22L0199-36
84  06-JAN-2023 17:32  01052384.D   1  AR1254CCVB
85  06-JAN-2023 17:53  01052385.D   1  AR1660CCVC
86  06-JAN-2023 18:15  01052386.D   1  22L0199-37
87  06-JAN-2023 18:36  01052387.D   1  22L0199-38
88  06-JAN-2023 18:57  01052388.D   1  22L0199-39
89  06-JAN-2023 19:18  01052389.D   5  22L0307-01RE1
90  06-JAN-2023 19:39  01052390.D   1  22L0137-19
91  06-JAN-2023 20:00  01052391.D   5  22L0199-7RE3
92  06-JAN-2023 20:21  01052392.D   1  AR1242CCVD
93  06-JAN-2023 20:42  01052393.D   1  AR1660CCVE
```

```
MANUAL INTEGRATION SUMMARY FOR DATABATCH - \\target\share\chem4\ecd7.i\230105.b

ARI Job No.: DDTS   Method: PCB.m   Instrument: ecd7.i   Date: 05-JAN-2023


Time  Filename    LabID     ClientId      DF    Manually Integrated Compounds
--------------------------------------------------------------------------------------------------------------------------------------------------------------------
1222  01052301ECD7.D DDTS                     1      NO MANUAL INTEGRATION
--------------------------------------------------------------------------------------------------------------------------------------------------------------------
1243  01052302ECD7.D AR1254ICV1               1      NO MANUAL INTEGRATION
--------------------------------------------------------------------------------------------------------------------------------------------------------------------
1304  01052303ECD7.D AR1660ICV2               1      NO MANUAL INTEGRATION
--------------------------------------------------------------------------------------------------------------------------------------------------------------------
1326  01052304ECD7.D BLA0052-BLK1               1      NO MANUAL INTEGRATION
--------------------------------------------------------------------------------------------------------------------------------------------------------------------
1347  01052305ECD7.D BLA0052-BS1               1      NO MANUAL INTEGRATION
--------------------------------------------------------------------------------------------------------------------------------------------------------------------
1408  01052306ECD7.D 23A0030-01               1      NO MANUAL INTEGRATION
--------------------------------------------------------------------------------------------------------------------------------------------------------------------
1429  01052307ECD7.D 23A0030-01RE1               5      NO MANUAL INTEGRATION
--------------------------------------------------------------------------------------------------------------------------------------------------------------------
1450  01052308ECD7.D BLA0047-BLK1               1      NO MANUAL INTEGRATION
--------------------------------------------------------------------------------------------------------------------------------------------------------------------
1511  01052309ECD7.D BLA0047-BS1               1      NO MANUAL INTEGRATION
--------------------------------------------------------------------------------------------------------------------------------------------------------------------
1532  01052310ECD7.D BLA0047-BSD1               1      NO MANUAL INTEGRATION
--------------------------------------------------------------------------------------------------------------------------------------------------------------------
1553  01052311ECD7.D 22L0663-01               1    Aroclor-1248, Aroclor-1254, Aroclor-1260, IS-HBBP, Decachlorobiphenyl,
--------------------------------------------------------------------------------------------------------------------------------------------------------------------
1615  01052312ECD7.D 22L0663-01RE1               5      NO MANUAL INTEGRATION
--------------------------------------------------------------------------------------------------------------------------------------------------------------------
1636  01052313ECD7.D BLA0043-BLK1               1      NO MANUAL INTEGRATION
--------------------------------------------------------------------------------------------------------------------------------------------------------------------
1657  01052314ECD7.D BLA0043-BS1               1      NO MANUAL INTEGRATION
--------------------------------------------------------------------------------------------------------------------------------------------------------------------
1718  01052315ECD7.D BLA0043-BSD1               1      NO MANUAL INTEGRATION
--------------------------------------------------------------------------------------------------------------------------------------------------------------------
1739  01052316ECD7.D 22L0661-01               1    Tetrachloro-m-xylene,
--------------------------------------------------------------------------------------------------------------------------------------------------------------------
1800  01052317ECD7.D 23A0027-01               1      NO MANUAL INTEGRATION
--------------------------------------------------------------------------------------------------------------------------------------------------------------------
```

MANUAL INTEGRATION SUMMARY FOR DATABATCH - \\target\share\chem4\ecd7.i\230105.b

Time	Filename	LabID	ClientId	DF	Manually Integrated Compounds
1821	01052318ECD7.D	SCVA250		1	NO MANUAL INTEGRATION
1842	01052319ECD7.D	AR1248CCV1		1	NO MANUAL INTEGRATION
1904	01052320ECD7.D	AR1660CCV2		1	NO MANUAL INTEGRATION
1925	01052321ECD7.D	22L0246-11		1	Aroclor-1248, Aroclor-1254, Aroclor-1260,
1946	01052322ECD7.D	22L0246-12		1	Aroclor-1254, Aroclor-1260,
2007	01052323ECD7.D	22L0246-13		1	NO MANUAL INTEGRATION
2028	01052324ECD7.D	22L0246-14		1	NO MANUAL INTEGRATION
2049	01052325ECD7.D	22L0246-15		1	Aroclor-1254, Aroclor-1260,
2110	01052326ECD7.D	22L0246-16		1	Aroclor-1254,
2131	01052327ECD7.D	22L0246-17		1	Aroclor-1254,
2152	01052328ECD7.D	22L0246-18		1	NO MANUAL INTEGRATION
2214	01052329ECD7.D	22L0246-19		1	NO MANUAL INTEGRATION
2235	01052330ECD7.D	22L0246-20		1	NO MANUAL INTEGRATION
2256	01052331ECD7.D	AR1242CCV3		1	NO MANUAL INTEGRATION
2317	01052332ECD7.D	AR1660CCV4		1	NO MANUAL INTEGRATION
2338	01052333ECD7.D	BKL0613-BLK1		1	NO MANUAL INTEGRATION
2359	01052334ECD7.D	BKL0613-BS1		1	NO MANUAL INTEGRATION
0020	01052335ECD7.D	BKL0613-BSD1		1	NO MANUAL INTEGRATION

MANUAL INTEGRATION SUMMARY FOR DATABATCH - \\target\share\chem4\ecd7.i\230105.b

```
    Time   Filename    LabID     ClientId       DF    Manually Integrated Compounds
------------------------------------------------------------------------------------------------------------------------------------------------------------------------
0041  01052336ECD7.D BKL0613-SRM1               1      NO MANUAL INTEGRATION
------------------------------------------------------------------------------------------------------------------------------------------------------------------------
0102  01052337ECD7.D BKL0613-MS1               1      NO MANUAL INTEGRATION
------------------------------------------------------------------------------------------------------------------------------------------------------------------------
0123  01052338ECD7.D BKL0613-MSD1               1      NO MANUAL INTEGRATION
------------------------------------------------------------------------------------------------------------------------------------------------------------------------
0145  01052339ECD7.D BKL0613-MS2               1      NO MANUAL INTEGRATION
------------------------------------------------------------------------------------------------------------------------------------------------------------------------
0206  01052340ECD7.D BKL0613-MSD2               1      NO MANUAL INTEGRATION
------------------------------------------------------------------------------------------------------------------------------------------------------------------------
0227  01052341ECD7.D 22L0473-01               1    Aroclor-1254, Aroclor-1260,
------------------------------------------------------------------------------------------------------------------------------------------------------------------------
0248  01052342ECD7.D 22L0473-02               1      NO MANUAL INTEGRATION
------------------------------------------------------------------------------------------------------------------------------------------------------------------------
0309  01052343ECD7.D 22L0473-03               1      NO MANUAL INTEGRATION
------------------------------------------------------------------------------------------------------------------------------------------------------------------------
0330  01052344ECD7.D 22L0473-04               1    Aroclor-1254,
------------------------------------------------------------------------------------------------------------------------------------------------------------------------
0351  01052345ECD7.D 22L0473-05               1      NO MANUAL INTEGRATION
------------------------------------------------------------------------------------------------------------------------------------------------------------------------
0412  01052346ECD7.D 22L0473-06               1      NO MANUAL INTEGRATION
------------------------------------------------------------------------------------------------------------------------------------------------------------------------
0433  01052347ECD7.D 22L0473-07               1      NO MANUAL INTEGRATION
------------------------------------------------------------------------------------------------------------------------------------------------------------------------
0454  01052348ECD7.D 22L0473-08               1      NO MANUAL INTEGRATION
------------------------------------------------------------------------------------------------------------------------------------------------------------------------
0515  01052349ECD7.D AR1254CCV5               1      NO MANUAL INTEGRATION
------------------------------------------------------------------------------------------------------------------------------------------------------------------------
0536  01052350ECD7.D AR1660CCV6               1      NO MANUAL INTEGRATION
------------------------------------------------------------------------------------------------------------------------------------------------------------------------
0557  01052351ECD7.D 22L0473-09               1      NO MANUAL INTEGRATION
------------------------------------------------------------------------------------------------------------------------------------------------------------------------
0618  01052352ECD7.D 22L0473-10               1      NO MANUAL INTEGRATION
------------------------------------------------------------------------------------------------------------------------------------------------------------------------
0639  01052353ECD7.D 22L0473-11               1      NO MANUAL INTEGRATION
------------------------------------------------------------------------------------------------------------------------------------------------------------------------
```

MANUAL INTEGRATION SUMMARY FOR DATABATCH - \\target\share\chem4\ecd7.i\230105.b

```
    Time   Filename    LabID     ClientId       DF    Manually Integrated Compounds
--------------------------------------------------------------------------------------------------------------------------------------------------------------------
0700  01052354ECD7.D 22L0492-12               1      NO MANUAL INTEGRATION
--------------------------------------------------------------------------------------------------------------------------------------------------------------------
0722  01052355ECD7.D 22L0492-13               1      NO MANUAL INTEGRATION
--------------------------------------------------------------------------------------------------------------------------------------------------------------------
0743  01052356ECD7.D 22L0492-14               1    Aroclor-1254,
--------------------------------------------------------------------------------------------------------------------------------------------------------------------
0804  01052357ECD7.D 22L0492-15               1      NO MANUAL INTEGRATION
--------------------------------------------------------------------------------------------------------------------------------------------------------------------
0825  01052358ECD7.D 22L0492-16               1      NO MANUAL INTEGRATION
--------------------------------------------------------------------------------------------------------------------------------------------------------------------
0846  01052359ECD7.D 22L0492-17               1    Aroclor-1260,
--------------------------------------------------------------------------------------------------------------------------------------------------------------------
0907  01052360ECD7.D 22L0492-18               1    Aroclor-1254, Aroclor-1260,
--------------------------------------------------------------------------------------------------------------------------------------------------------------------
0928  01052361ECD7.D AR1248CCV7               1      NO MANUAL INTEGRATION
--------------------------------------------------------------------------------------------------------------------------------------------------------------------
0949  01052362ECD7.D AR1660CCV8               1      NO MANUAL INTEGRATION
--------------------------------------------------------------------------------------------------------------------------------------------------------------------
1010  01052363ECD7.D 22L0246-21RE1              10    Aroclor-1254,
--------------------------------------------------------------------------------------------------------------------------------------------------------------------
1031  01052364ECD7.D 22L0246-22RE1              10    Aroclor-1254,
--------------------------------------------------------------------------------------------------------------------------------------------------------------------
1052  01052365ECD7.D 22L0246-06RE1              10      NO MANUAL INTEGRATION
--------------------------------------------------------------------------------------------------------------------------------------------------------------------
1113  01052366ECD7.D 22L0246-07RE1               5      NO MANUAL INTEGRATION
--------------------------------------------------------------------------------------------------------------------------------------------------------------------
1134  01052367ECD7.D 22L0246-05               1    Aroclor-1254,
--------------------------------------------------------------------------------------------------------------------------------------------------------------------
1155  01052368ECD7.D 22L0246-09               1      NO MANUAL INTEGRATION
--------------------------------------------------------------------------------------------------------------------------------------------------------------------
1216  01052369ECD7.D 22L0199-40               1    Aroclor-1254,
--------------------------------------------------------------------------------------------------------------------------------------------------------------------
1237  01052370ECD7.D 22L0199-41RE2               5    Aroclor-1254,
--------------------------------------------------------------------------------------------------------------------------------------------------------------------
1258  01052371ECD7.D 22L0199-42RE2               5    Aroclor-1254,
--------------------------------------------------------------------------------------------------------------------------------------------------------------------
```

MANUAL INTEGRATION SUMMARY FOR DATABATCH - \\target\share\chem4\ecd7.i\230105.b

```
    Time   Filename    LabID     ClientId       DF    Manually Integrated Compounds
--------------------------------------------------------------------------------------------------------------------------------------------------------------------
1319  01052372ECD7.D AR1242CCV9               1    Aroclor-1242,
--------------------------------------------------------------------------------------------------------------------------------------------------------------------
1340  01052373ECD7.D AR1660CCVA               1      NO MANUAL INTEGRATION
--------------------------------------------------------------------------------------------------------------------------------------------------------------------
1402  01052374ECD7.D 22L0199-25               1    Aroclor-1254,
--------------------------------------------------------------------------------------------------------------------------------------------------------------------
1423  01052375ECD7.D 22L0199-26               1    Aroclor-1254,
--------------------------------------------------------------------------------------------------------------------------------------------------------------------
1444  01052376ECD7.D 22L0199-27               1    Aroclor-1254,
--------------------------------------------------------------------------------------------------------------------------------------------------------------------
1505  01052377ECD7.D 22L0199-28               1      NO MANUAL INTEGRATION
--------------------------------------------------------------------------------------------------------------------------------------------------------------------
1526  01052378ECD7.D 22L0199-29               1    Aroclor-1254,
--------------------------------------------------------------------------------------------------------------------------------------------------------------------
1547  01052379ECD7.D 22L0199-30              20    Aroclor-1254,
--------------------------------------------------------------------------------------------------------------------------------------------------------------------
1608  01052380ECD7.D 22L0199-33               1      NO MANUAL INTEGRATION
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1629  01052381ECD7.D 22L0199-34               1      NO MANUAL INTEGRATION
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1650  01052382ECD7.D 22L0199-35               1    Aroclor-1254,
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1711  01052383ECD7.D 22L0199-36               1    Aroclor-1254,
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1732  01052384ECD7.D AR1254CCVB               1      NO MANUAL INTEGRATION
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1753  01052385ECD7.D AR1660CCVC               1      NO MANUAL INTEGRATION
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1815  01052386ECD7.D 22L0199-37               1    Aroclor-1254,
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1836  01052387ECD7.D 22L0199-38               1    Aroclor-1254,
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1857  01052388ECD7.D 22L0199-39               1    Aroclor-1254,
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1918  01052389ECD7.D 22L0307-01RE1               5    Aroclor-1254,
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MANUAL INTEGRATION SUMMARY FOR DATABATCH - \\target\share\chem4\ecd7.i\230105.b

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1939  01052390ECD7.D 22L0137-19               1    Aroclor-1254,
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2000  01052391ECD7.D 22L0199-7RE3               5      NO MANUAL INTEGRATION
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2021  01052392ECD7.D AR1242CCVD               1    Aroclor-1242,
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2042  01052393ECD7.D AR1660CCVE               1      NO MANUAL INTEGRATION
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1222  01052301ECD7.D DDTS                     1      NO MANUAL INTEGRATION
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1243  01052302ECD7.D AR1254ICV1               1      NO MANUAL INTEGRATION
-------------------------------------------------------------------------------------------------------------------------------------------------------------------
1304  01052303ECD7.D AR1660ICV2               1      NO MANUAL INTEGRATION
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1326  01052304ECD7.D BLA0052-BLK1               1      NO MANUAL INTEGRATION
-------------------------------------------------------------------------------------------------------------------------------------------------------------------
1347  01052305ECD7.D BLA0052-BS1               1      NO MANUAL INTEGRATION
-------------------------------------------------------------------------------------------------------------------------------------------------------------------
1408  01052306ECD7.D 23A0030-01               1      NO MANUAL INTEGRATION
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1429  01052307ECD7.D 23A0030-01RE1               5      NO MANUAL INTEGRATION
-------------------------------------------------------------------------------------------------------------------------------------------------------------------
1450  01052308ECD7.D BLA0047-BLK1               1      NO MANUAL INTEGRATION
-------------------------------------------------------------------------------------------------------------------------------------------------------------------
1511  01052309ECD7.D BLA0047-BS1               1      NO MANUAL INTEGRATION
-------------------------------------------------------------------------------------------------------------------------------------------------------------------
1532  01052310ECD7.D BLA0047-BSD1               1      NO MANUAL INTEGRATION
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1553  01052311ECD7.D 22L0663-01               1    Aroclor-1260 [2C],
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1615  01052312ECD7.D 22L0663-01RE1               5      NO MANUAL INTEGRATION
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1636  01052313ECD7.D BLA0043-BLK1               1      NO MANUAL INTEGRATION
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1657  01052314ECD7.D BLA0043-BS1               1      NO MANUAL INTEGRATION
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MANUAL INTEGRATION SUMMARY FOR DATABATCH - \\target\share\chem4\ecd7.i\230105.b\230105.b


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1718  01052315ECD7.D BLA0043-BSD1              1      NO MANUAL INTEGRATION
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1739  01052316ECD7.D 22L0661-01              1      NO MANUAL INTEGRATION
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1800  01052317ECD7.D 23A0027-01              1      NO MANUAL INTEGRATION
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1821  01052318ECD7.D SCVA250                 1      NO MANUAL INTEGRATION
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1842  01052319ECD7.D AR1248CCV1              1      NO MANUAL INTEGRATION
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1904  01052320ECD7.D AR1660CCV2              1      NO MANUAL INTEGRATION
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1925  01052321ECD7.D 22L0246-11              1    Aroclor-1248 [2C], Aroclor-1254 [2C],
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1946  01052322ECD7.D 22L0246-12              1      NO MANUAL INTEGRATION
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2007  01052323ECD7.D 22L0246-13              1      NO MANUAL INTEGRATION
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2028  01052324ECD7.D 22L0246-14              1      NO MANUAL INTEGRATION
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2049  01052325ECD7.D 22L0246-15              1    Aroclor-1248 [2C],
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2110  01052326ECD7.D 22L0246-16              1    Aroclor-1248 [2C],
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2131  01052327ECD7.D 22L0246-17              1    Aroclor-1248 [2C],
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2152  01052328ECD7.D 22L0246-18              1      NO MANUAL INTEGRATION
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2214  01052329ECD7.D 22L0246-19              1      NO MANUAL INTEGRATION
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2235  01052330ECD7.D 22L0246-20              1      NO MANUAL INTEGRATION
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2256  01052331ECD7.D AR1242CCV3              1      NO MANUAL INTEGRATION
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2317  01052332ECD7.D AR1660CCV4              1      NO MANUAL INTEGRATION
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MANUAL INTEGRATION SUMMARY FOR DATABATCH - \\target\share\chem4\ecd7.i\230105.b\230105.b

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2338  01052333ECD7.D BKL0613-BLK1               1      NO MANUAL INTEGRATION
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2359  01052334ECD7.D BKL0613-BS1               1      NO MANUAL INTEGRATION
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0020  01052335ECD7.D BKL0613-BSD1               1      NO MANUAL INTEGRATION
-------------------------------------------------------------------------------------------------------------------------------------------------------------------
0041  01052336ECD7.D BKL0613-SRM1               1      NO MANUAL INTEGRATION
-------------------------------------------------------------------------------------------------------------------------------------------------------------------
0102  01052337ECD7.D BKL0613-MS1               1      NO MANUAL INTEGRATION
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0123  01052338ECD7.D BKL0613-MSD1               1      NO MANUAL INTEGRATION
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0145  01052339ECD7.D BKL0613-MS2               1      NO MANUAL INTEGRATION
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0206  01052340ECD7.D BKL0613-MSD2               1      NO MANUAL INTEGRATION
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0227  01052341ECD7.D 22L0473-01               1      NO MANUAL INTEGRATION
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0248  01052342ECD7.D 22L0473-02               1      NO MANUAL INTEGRATION
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0309  01052343ECD7.D 22L0473-03               1      NO MANUAL INTEGRATION
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0330  01052344ECD7.D 22L0473-04               1      NO MANUAL INTEGRATION
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0351  01052345ECD7.D 22L0473-05               1      NO MANUAL INTEGRATION
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0412  01052346ECD7.D 22L0473-06               1      NO MANUAL INTEGRATION
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0433  01052347ECD7.D 22L0473-07               1      NO MANUAL INTEGRATION
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0454  01052348ECD7.D 22L0473-08               1      NO MANUAL INTEGRATION
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0515  01052349ECD7.D AR1254CCV5               1      NO MANUAL INTEGRATION
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0536  01052350ECD7.D AR1660CCV6               1      NO MANUAL INTEGRATION
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MANUAL INTEGRATION SUMMARY FOR DATABATCH - \\target\share\chem4\ecd7.i\230105.b\230105.b

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0557  01052351ECD7.D 22L0473-09               1      NO MANUAL INTEGRATION
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0618  01052352ECD7.D 22L0473-10               1      NO MANUAL INTEGRATION
--------------------------------------------------------------------------------------------------------------------------------------------------
0639  01052353ECD7.D 22L0473-11               1      NO MANUAL INTEGRATION
--------------------------------------------------------------------------------------------------------------------------------------------------
0700  01052354ECD7.D 22L0492-12               1      NO MANUAL INTEGRATION
--------------------------------------------------------------------------------------------------------------------------------------------------
0722  01052355ECD7.D 22L0492-13               1      NO MANUAL INTEGRATION
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0743  01052356ECD7.D 22L0492-14               1    Aroclor-1260 [2C],
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0804  01052357ECD7.D 22L0492-15               1      NO MANUAL INTEGRATION
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0825  01052358ECD7.D 22L0492-16               1      NO MANUAL INTEGRATION
--------------------------------------------------------------------------------------------------------------------------------------------------
0846  01052359ECD7.D 22L0492-17               1      NO MANUAL INTEGRATION
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0907  01052360ECD7.D 22L0492-18               1    Aroclor-1254 [2C],
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0928  01052361ECD7.D AR1248CCV7               1      NO MANUAL INTEGRATION
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0949  01052362ECD7.D AR1660CCV8               1      NO MANUAL INTEGRATION
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1010  01052363ECD7.D 22L0246-21RE1              10    Aroclor-1248 [2C],
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1031  01052364ECD7.D 22L0246-22RE1              10    Aroclor-1248 [2C],
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1052  01052365ECD7.D 22L0246-06RE1              10      NO MANUAL INTEGRATION
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1113  01052366ECD7.D 22L0246-07RE1               5      NO MANUAL INTEGRATION
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1134  01052367ECD7.D 22L0246-05               1      NO MANUAL INTEGRATION
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1155  01052368ECD7.D 22L0246-09               1    Aroclor-1260 [2C],
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MANUAL INTEGRATION SUMMARY FOR DATABATCH - \\target\share\chem4\ecd7.i\230105.b\230105.b

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1216  01052369ECD7.D 22L0199-40               1    Aroclor-1248 [2C],
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1237  01052370ECD7.D 22L0199-41RE2              5    Aroclor-1248 [2C],
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1258  01052371ECD7.D 22L0199-42RE2              5    Aroclor-1248 [2C],
-------------------------------------------------------------------------------------------------------------------------------------------------------------------
1319  01052372ECD7.D AR1242CCV9               1      NO MANUAL INTEGRATION
-------------------------------------------------------------------------------------------------------------------------------------------------------------------
1340  01052373ECD7.D AR1660CCVA               1      NO MANUAL INTEGRATION
-------------------------------------------------------------------------------------------------------------------------------------------------------------------
1402  01052374ECD7.D 22L0199-25               1    Aroclor-1248 [2C],
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1423  01052375ECD7.D 22L0199-26               1    Aroclor-1248 [2C],
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1444  01052376ECD7.D 22L0199-27               1    Aroclor-1248 [2C],
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1505  01052377ECD7.D 22L0199-28               1    Aroclor-1248 [2C], Aroclor-1254 [2C],
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1526  01052378ECD7.D 22L0199-29               1    Aroclor-1248 [2C],
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1547  01052379ECD7.D 22L0199-30              20    Aroclor-1248 [2C],
-------------------------------------------------------------------------------------------------------------------------------------------------------------------
1608  01052380ECD7.D 22L0199-33               1      NO MANUAL INTEGRATION
-------------------------------------------------------------------------------------------------------------------------------------------------------------------
1629  01052381ECD7.D 22L0199-34               1      NO MANUAL INTEGRATION
-------------------------------------------------------------------------------------------------------------------------------------------------------------------
1650  01052382ECD7.D 22L0199-35               1    Aroclor-1248 [2C], Aroclor-1254 [2C],
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1711  01052383ECD7.D 22L0199-36               1    Aroclor-1248 [2C],
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1732  01052384ECD7.D AR1254CCVB               1      NO MANUAL INTEGRATION
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1753  01052385ECD7.D AR1660CCVC               1      NO MANUAL INTEGRATION
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1815  01052386ECD7.D 22L0199-37               1    Aroclor-1248 [2C],
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MANUAL INTEGRATION SUMMARY FOR DATABATCH - \\target\share\chem4\ecd7.i\230105.b\230105.b

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    Time   Filename    LabID     ClientId       DF    Manually Integrated Compounds
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1857  01052388ECD7.D 22L0199-39                 1    Aroclor-1248 [2C],
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1918  01052389ECD7.D 22L0307-01RE1                 5      NO MANUAL INTEGRATION
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1939  01052390ECD7.D 22L0137-19                 1    Aroclor-1248 [2C],
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2000  01052391ECD7.D 22L0199-7RE3                 5      NO MANUAL INTEGRATION
--------------------------------------------------------------------------------------------------------------------------------------------------------------------
2021  01052392ECD7.D AR1242CCVD                 1      NO MANUAL INTEGRATION
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2042  01052393ECD7.D AR1660CCVE                 1      NO MANUAL INTEGRATION
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Security Status Report

Date: 10-Jan-2023 14:11

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01052393ECD7.D	Data Locked	richardl, 10-Jan-2023 14:11

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Dual Column

ANALYSIS BATCH (SEQUENCE) SUMMARY

EPA 8082A

Laboratory:	Analytical Resources, LLC	SDG:	22L0307
Client:	Anchor QEA, LLC	Project:	AOC4 UR Phase 3
Sequence:	SLA0099	Instrument:	ECD7
		Calibration:	FL00010

Sample Name	Lab Sample ID	Column 1 File ID	Column 2 File ID	Matrix	Analysis Date/Time
Initial Cal Check	SLA0099-ICV1	01072302ECD7.D	01072302ECD7.D	NA	01/07/23 09:37
Initial Cal Check	SLA0099-ICV2	01072303ECD7.D	01072303ECD7.D	NA	01/07/23 09:58
Calibration Check	SLA0099-CCV1	01072314ECD7.D	01072314ECD7.D	NA	01/07/23 13:49
Calibration Check	SLA0099-CCV2	01072315ECD7.D	01072315ECD7.D	NA	01/07/23 14:10
Blank	BKL0582-BLK1	01072325ECD7.D	01072325ECD7.D	Solid	01/07/23 18:03
LCS	BKL0582-BS1	01072326ECD7.D	01072326ECD7.D	Solid	01/07/23 18:24
LCS Dup	BKL0582-BSD1	01072327ECD7.D	01072327ECD7.D	Solid	01/07/23 18:45
Reference	BKL0582-SRM1	01072328ECD7.D	01072328ECD7.D	Solid	01/07/23 19:06
LDW22-SC750A	22L0307-21	01072329ECD7.D	01072329ECD7.D	Solid	01/07/23 19:27
LDW22-SC750B	22L0307-22	01072330ECD7.D	01072330ECD7.D	Solid	01/07/23 19:48
LDW22-SC750C	22L0307-23	01072331ECD7.D	01072331ECD7.D	Solid	01/07/23 20:09
LDW22-SC750D	22L0307-24	01072332ECD7.D	01072332ECD7.D	Solid	01/07/23 20:30
LDW22-SC750E	22L0307-25	01072333ECD7.D	01072333ECD7.D	Solid	01/07/23 20:51
LDW22-SC750F	22L0307-26	01072334ECD7.D	01072334ECD7.D	Solid	01/07/23 21:12
LDW22-SC750G	22L0307-27	01072335ECD7.D	01072335ECD7.D	Solid	01/07/23 21:33
LDW22-SC750H	22L0307-28	01072336ECD7.D	01072336ECD7.D	Solid	01/07/23 21:54
LDW22-IT808A	22L0307-29	01072337ECD7.D	01072337ECD7.D	Solid	01/07/23 22:15
Calibration Check	SLA0099-CCV5	01072339ECD7.D	01072339ECD7.D	NA	01/07/23 22:58
Calibration Check	SLA0099-CCV6	01072340ECD7.D	01072340ECD7.D	NA	01/07/23 23:19
LDW22-IT808C	22L0307-31	01072341ECD7.D	01072341ECD7.D	Solid	01/07/23 23:40
LDW22-IT808D	22L0307-32	01072342ECD7.D	01072342ECD7.D	Solid	01/08/23 00:01
LDW22-IT808E	22L0307-33	01072343ECD7.D	01072343ECD7.D	Solid	01/08/23 00:22
LDW22-IT808E	BKL0582-MS1	01072344ECD7.D	01072344ECD7.D	Solid	01/08/23 00:43
LDW22-IT808E	BKL0582-MSD1	01072345ECD7.D	01072345ECD7.D	Solid	01/08/23 01:04
LDW22-IT808F	22L0307-34	01072346ECD7.D	01072346ECD7.D	Solid	01/08/23 01:25
LDW22-SC804B	22L0307-35	01072347ECD7.D	01072347ECD7.D	Solid	01/08/23 01:46
LDW22-SC804C	22L0307-36	01072348ECD7.D	01072348ECD7.D	Solid	01/08/23 02:07
LDW22-SC804E	22L0307-38	01072350ECD7.D	01072350ECD7.D	Solid	01/08/23 02:50
LDW22-SC804F	22L0307-39	01072351ECD7.D	01072351ECD7.D	Solid	01/08/23 03:11

Dual Column

ANALYSIS BATCH (SEQUENCE) SUMMARY

EPA 8082A

Laboratory:	Analytical Resources, LLC	SDG:	22L0307
Client:	Anchor QEA, LLC	Project:	AOC4 UR Phase 3
Sequence:	SLA0099	Instrument:	ECD7
		Calibration:	FL00010

Sample Name	Lab Sample ID	Column 1 File ID	Column 2 File ID	Matrix	Analysis Date/Time
LDW22-SC804F-FD	22L0307-40	01072352ECD7.D	01072352ECD7.D	Solid	01/08/23 03:32
Calibration Check	SLA0099-CCV7	01072353ECD7.D	01072353ECD7.D	NA	01/08/23 03:53
Calibration Check	SLA0099-CCV8	01072354ECD7.D	01072354ECD7.D	NA	01/08/23 04:14
Blank	BKL0584-BLK1	01072360ECD7.D	01072360ECD7.D	Solid	01/08/23 06:21
LCS	BKL0584-BS1	01072361ECD7.D	01072361ECD7.D	Solid	01/08/23 06:42
LCS Dup	BKL0584-BSD1	01072362ECD7.D	01072362ECD7.D	Solid	01/08/23 07:03
MRL Check	BKL0584-MRL1	01072363ECD7.D	01072363ECD7.D	Solid	01/08/23 07:24
Reference	BKL0584-SRM1	01072364ECD7.D	01072364ECD7.D	Solid	01/08/23 07:45
LDW22-SC783C	22L0307-61	01072365ECD7.D	01072365ECD7.D	Solid	01/08/23 08:06
LDW22-SC783E	22L0307-63	01072367ECD7.D	01072367ECD7.D	Solid	01/08/23 08:48
LDW22-SC783G	22L0307-65	01072369ECD7.D	01072369ECD7.D	Solid	01/08/23 09:30
LDW22-SC783H	22L0307-66	01072370ECD7.D	01072370ECD7.D	Solid	01/08/23 09:52
LDW22-SC783H	BKL0584-MS1	01072371ECD7.D	01072371ECD7.D	Solid	01/08/23 10:13
LDW22-SC783H	BKL0584-MSD1	01072372ECD7.D	01072372ECD7.D	Solid	01/08/23 10:34
Calibration Check	SLA0099-CCV9	01072373ECD7.D	01072373ECD7.D	NA	01/08/23 10:55
Calibration Check	SLA0099-CCVA	01072374ECD7.D	01072374ECD7.D	NA	01/08/23 11:16
Calibration Check	SLA0099-CCVB	01072389ECD7.D	01072389ECD7.D	NA	01/08/23 16:32
Calibration Check	SLA0099-CCVC	01072390ECD7.D	01072390ECD7.D	NA	01/08/23 16:53
Calibration Check	SLA0099-CCVD	010723994ECD7.D	010723994ECD7.D	NA	01/08/23 21:27
Calibration Check	SLA0099-CCVE	010723995ECD7.D	010723995ECD7.D	NA	01/08/23 21:48

Analytical Resources, LLC
Analytical Chemists and Consultants

ANALYSIS SEQUENCE

SLA0099

Instrument: ECD7
Calibration ID: FL00010

Printed: 1/11/2023 3:23:04PM

Lab Number	Analysis	Container	Order	Position	STD ID	ISTD ID	Client	Comments
SLA0099-ICV1	QC		1		K006957	K006953		
SLA0099-ICV2	QC		2		K006954	K006953		
BLA0091-BLK1	QC		3			K006953		
BLA0091-BS1	QC		4			K006953		
BLA0091-BSD1	QC		5			K006953		
23A0059-01	PCB (20 ug/kg) or (MTCA 0.	C 01	6			K006953	The Boeing Company [NBF - Central Puget S	
BLA0086-BLK1	QC		7			K006953		
BLA0086-BS1	QC		8			K006953		
BLA0086-BSD1	QC		9			K006953		
22L0665-01	8082A PCB Water 0.01	D 01	10			K006953	The Boeing Company [BDS Stormwaters]	
22L0665-02	8082A PCB Water 0.01	D 01	11			K006953	The Boeing Company [BDS Stormwaters]	
22L0665-03	8082A PCB Water 0.01	D 01	12			K006953	The Boeing Company [BDS Stormwaters]	
SLA0099-CCV1	QC		13		K006956	K006953		
SLA0099-CCV2	QC		14		K006954	K006953		
22L0665-04	8082A PCB Water 0.01	D 01	15			K006953	The Boeing Company [BDS Stormwaters]	
22L0665-05	8082A PCB Water 0.01	D 01	16			K006953	The Boeing Company [BDS Stormwaters]	
23A0003-01	8082A PCB Water 0.01	I 01	17			K006953	DH Environmental Inc	
23A0065-01	8.3 PCBs 0.01 ug/L or 20 ug/	B 01	18			K006953	Nucor Steel Corporation	
SLA0099-CCV3	QC		19		K006955	K006953		
SLA0099-CCV4	QC		20		K006954	K006953		
BKL0582-BLK1	QC		21			K006953		

Samples Loaded By Date

Data Processed By Date

ANALYSIS SEQUENCE

SLA0099

Instrument: ECD7
Calibration ID: FL00010

Printed: 1/11/2023 3:23:04PM

Lab Number	Analysis	Container	Order	Position	STD ID	ISTD ID	Client	Comments
BKL0582-BS1	QC		22			K006953		
BKL0582-BSD1	QC		23			K006953		
BKL0582-SRM1	QC		24			K006953		
22L0307-21	8082A PCB Solid 4	B 01	25			K006953	Anchor QEA, LLC	
22L0307-22	8082A PCB Solid 4	B 01	26			K006953	Anchor QEA, LLC	
22L0307-23	8082A PCB Solid 4	B 01	27			K006953	Anchor QEA, LLC	
22L0307-24	8082A PCB Solid 4	B 01	28			K006953	Anchor QEA, LLC	
22L0307-25	8082A PCB Solid 4	B 01	29			K006953	Anchor QEA, LLC	
22L0307-26	8082A PCB Solid 4	B 01	30			K006953	Anchor QEA, LLC	
22L0307-27	8082A PCB Solid 4	B 01	31			K006953	Anchor QEA, LLC	
22L0307-28	8082A PCB Solid 4	B 01	32			K006953	Anchor QEA, LLC	
22L0307-29	8082A PCB Solid 4	C 01	33			K006953	Anchor QEA, LLC	
SLA0099-CCV5	QC		34		K006957	K006953		
SLA0099-CCV6	QC		35		K006954	K006953		
22L0307-31	8082A PCB Solid 4	C 01	36			K006953	Anchor QEA, LLC	
22L0307-32	8082A PCB Solid 4	C 01	37			K006953	Anchor QEA, LLC	
22L0307-33	8082A PCB Solid 4	C 01	38			K006953	Anchor QEA, LLC	
BKL0582-MS1	QC		39			K006953		
BKL0582-MSD1	QC		40			K006953		
22L0307-34	8082A PCB Solid 4	C 01	41			K006953	Anchor QEA, LLC	
22L0307-35	8082A PCB Solid 4	B 02	42			K006953	Anchor QEA, LLC	

Samples Loaded By Date

Data Processed By Date

ANALYSIS SEQUENCE

SLA0099

Instrument: ECD7
Calibration ID: FL00010

Printed: 1/11/2023 3:23:04PM

Lab Number	Analysis	Container	Order	Position	STD ID	ISTD ID	Client	Comments
22L0307-36	8082A PCB Solid 4	B 01	43			K006953	Anchor QEA, LLC	
22L0307-38	8082A PCB Solid 4	B 01	44			K006953	Anchor QEA, LLC	
22L0307-39	8082A PCB Solid 4	B 01	45			K006953	Anchor QEA, LLC	
22L0307-40	8082A PCB Solid 4	B 01	46			K006953	Anchor QEA, LLC	
SLA0099-CCV7	QC		47		K006956	K006953		
SLA0099-CCV8	QC		48		K006954	K006953		
BKL0596-BLK1	QC		49			K006953		
BKL0596-BS1	QC		50			K006953		
BKL0596-MRL1	QC		51			K006953		
BKL0596-MRL2	QC		52			K006953		
22L0529-03	8.3 PCBs 0.01 ug/L or 20 ug/	B 01	53			K006953	Spectra Laboratories	Version
BKL0584-BLK1	QC		54			K006953		
BKL0584-BS1	QC		55			K006953		
BKL0584-BSD1	QC		56			K006953		
BKL0584-MRL1	QC		57			K006953		
BKL0584-SRM1	QC		58			K006953		
22L0307-61	8082A PCB Solid 4	B 01	59			K006953	Anchor QEA, LLC	
22L0307-63	8082A PCB Solid 4	B 01	60			K006953	Anchor QEA, LLC	
22L0307-65	8082A PCB Solid 4	B 01	61			K006953	Anchor QEA, LLC	
22L0307-66	8082A PCB Solid 4	B 01	62			K006953	Anchor QEA, LLC	
BKL0584-MS1	QC		63			K006953		

Samples Loaded By ______________________ Date

Data Processed By ______________________ Date

ANALYSIS SEQUENCE

SLA0099

Instrument: ECD7
Calibration ID: FL00010

Printed: 1/11/2023 3:23:04PM

Lab Number	Analysis	Container	Order	Position	STD ID	ISTD ID	Client	Comments
BKL0584-MSD1	QC		64			K006953		
SLA0099-CCV9	QC		65		K006955	K006953		
SLA0099-CCVA	QC		66		K006954	K006953		
BKL0728-BLK1	QC		67			K006953		
BKL0728-BS1	QC		68			K006953		
BKL0728-BSD1	QC		69			K006953		
BKL0728-SRM1	QC		70			K006953		
22L0329-21	8082A PCB Solid 4	B 01	71			K006953	Anchor QEA, LLC	
22L0329-22	8082A PCB Solid 4	B 01	72			K006953	Anchor QEA, LLC	
22L0329-23	8082A PCB Solid 4	B 01	73			K006953	Anchor QEA, LLC	
22L0329-24	8082A PCB Solid 4	B 01	74			K006953	Anchor QEA, LLC	
22L0329-25	8082A PCB Solid 4	B 01	75			K006953	Anchor QEA, LLC	
22L0329-26	8082A PCB Solid 4	B 01	76			K006953	Anchor QEA, LLC	
22L0329-27	8082A PCB Solid 4	B 01	77			K006953	Anchor QEA, LLC	
22L0329-29	8082A PCB Solid 4	B 01	78			K006953	Anchor QEA, LLC	
22L0329-30	8082A PCB Solid 4	B 01	79			K006953	Anchor QEA, LLC	
SLA0099-CCVB	QC		80		K006957	K006953		
SLA0099-CCVC	QC		81		K006954	K006953		
22L0329-32	8082A PCB Solid 4	B 01	82			K006953	Anchor QEA, LLC	
22L0329-33	8082A PCB Solid 4	B 01	83			K006953	Anchor QEA, LLC	
22L0329-34	8082A PCB Solid 4	B 01	84			K006953	Anchor QEA, LLC	

Samples Loaded By ______ Date ______ Data Processed By ______ Date ______

ANALYSIS SEQUENCE

SLA0099

Instrument: ECD7
Calibration ID: FL00010

Printed: 1/11/2023 3:23:04PM

Lab Number	Analysis	Container	Order	Position	STD ID	ISTD ID	Client	Comments
22L0329-35	8082A PCB Solid 4	B 01	85			K006953	Anchor QEA, LLC	
22L0329-36	8082A PCB Solid 4	B 01	86			K006953	Anchor QEA, LLC	
22L0329-37	8082A PCB Solid 4	B 01	87			K006953	Anchor QEA, LLC	
22L0329-38	8082A PCB Solid 4	B 01	88			K006953	Anchor QEA, LLC	
BKL0728-MS1	QC		89			K006953		
BKL0728-MSD1	QC		90			K006953		
22L0329-39	8082A PCB Solid 4	B 01	91			K006953	Anchor QEA, LLC	
22L0329-40	8082A PCB Solid 4	B 01	92			K006953	Anchor QEA, LLC	
SLA0099-CCVD	QC		93		K006956	K006953		
SLA0099-CCVE	QC		94		K006954	K006953		

Samples Loaded By Date

Data Processed By Date

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GC LOG SUMMARY FOR DATABATCH - \\target\share\chem4\ecd7.i\230107.b

    Inject Date/Time    Filename    DF  LabID         ClientID
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 1  07-JAN-2023 09:16  01072301ECD7.D   1  DDTS
 2  07-JAN-2023 09:37  01072302ECD7.D   1  AR1254ICV1
 3  07-JAN-2023 09:58  01072303ECD7.D   1  AR1660ICV2
 4  07-JAN-2023 10:19  01072304ECD7.D   1  BLA0091-BLK1
 5  07-JAN-2023 10:40  01072305ECD7.D   1  BLA0091-BS1
 6  07-JAN-2023 11:01  01072306ECD7.D   1  BLA0091-BSD1
 7  07-JAN-2023 11:22  01072307ECD7.D   1  23A0059-01
 8  07-JAN-2023 11:43  01072308ECD7.D   1  BLA0086-BLK1
 9  07-JAN-2023 12:04  01072309ECD7.D   1  BLA0086-BS1
10  07-JAN-2023 12:25  01072310ECD7.D   1  BLA0086-BSD1
11  07-JAN-2023 12:46  01072311ECD7.D   1  22L0665-01
12  07-JAN-2023 13:07  01072312ECD7.D   1  22L0665-02
13  07-JAN-2023 13:28  01072313ECD7.D   1  22L0665-03
14  07-JAN-2023 13:49  01072314ECD7.D   1  AR1248CCV1
15  07-JAN-2023 14:10  01072315ECD7.D   1  AR1660CCV2
16  07-JAN-2023 14:53  01072316ECD7.D   1  RINSE
17  07-JAN-2023 15:14  01072317ECD7.D   1  RINSE
18  07-JAN-2023 15:35  01072318ECD7.D   1  RINSE
19  07-JAN-2023 15:56  01072319ECD7.D   1  22L0665-04
20  07-JAN-2023 16:17  01072320ECD7.D   1  22L0665-05
21  07-JAN-2023 16:38  01072321ECD7.D   1  23A0003-01
22  07-JAN-2023 16:59  01072322ECD7.D   1  23A0065-01
23  07-JAN-2023 17:21  01072323ECD7.D   1  AR1242CCV3
24  07-JAN-2023 17:42  01072324ECD7.D   1  AR1660CCV4
25  07-JAN-2023 18:03  01072325ECD7.D   1  BKL0582-BLK1
26  07-JAN-2023 18:24  01072326ECD7.D   1  BKL0582-BS1
27  07-JAN-2023 18:45  01072327ECD7.D   1  BKL0582-BSD1
28  07-JAN-2023 19:06  01072328ECD7.D   1  BKL0582-SRM1
29  07-JAN-2023 19:27  01072329ECD7.D   1  22L0307-21
30  07-JAN-2023 19:48  01072330ECD7.D   1  22L0307-22
31  07-JAN-2023 20:09  01072331ECD7.D   1  22L0307-23
32  07-JAN-2023 20:30  01072332ECD7.D   1  22L0307-24
33  07-JAN-2023 20:51  01072333ECD7.D   1  22L0307-25
34  07-JAN-2023 21:12  01072334ECD7.D   1  22L0307-26
35  07-JAN-2023 21:33  01072335ECD7.D   1  22L0307-27
36  07-JAN-2023 21:54  01072336ECD7.D   1  22L0307-28
37  07-JAN-2023 22:15  01072337ECD7.D   1  22L0307-29
38  07-JAN-2023 22:37  01072338ECD7.D   1  22L0307-30
39  07-JAN-2023 22:58  01072339ECD7.D   1  AR1254CCV5
40  07-JAN-2023 23:19  01072340ECD7.D   1  AR1660CCV6
41  07-JAN-2023 23:40  01072341ECD7.D   1  22L0307-31
42  08-JAN-2023 00:01  01072342ECD7.D   1  22L0307-32
43  08-JAN-2023 00:22  01072343ECD7.D   1  22L0307-33
44  08-JAN-2023 00:43  01072344ECD7.D   1  BKL0582-MS1
45  08-JAN-2023 01:04  01072345ECD7.D   1  BKL0582-MSD1
46  08-JAN-2023 01:25  01072346ECD7.D   1  22L0307-34
47  08-JAN-2023 01:46  01072347ECD7.D   1  22L0307-35
48  08-JAN-2023 02:07  01072348ECD7.D   1  22L0307-36
49  08-JAN-2023 02:28  01072349ECD7.D   1  22L0307-37
50  08-JAN-2023 02:50  01072350ECD7.D   1  22L0307-38
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GC LOG SUMMARY FOR DATABATCH - \\target\share\chem4\ecd7.i\230107.b        p2

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52  08-JAN-2023 03:32  01072352ECD7.D   1  22L0307-40
53  08-JAN-2023 03:53  01072353ECD7.D   1  AR1248CCV7
54  08-JAN-2023 04:14  01072354ECD7.D   1  AR1660CCV8
55  08-JAN-2023 04:35  01072355ECD7.D   1  BKL0596-BLK1
56  08-JAN-2023 04:56  01072356ECD7.D   1  BKL0596-BS1
57  08-JAN-2023 05:17  01072357ECD7.D   1  BKL0596-MRL1
58  08-JAN-2023 05:38  01072358ECD7.D   1  BKL0596-MRL2
59  08-JAN-2023 05:59  01072359ECD7.D   1  22L0529-03
60  08-JAN-2023 06:21  01072360ECD7.D   1  BKL0584-BLK1
61  08-JAN-2023 06:42  01072361ECD7.D   1  BKL0584-BS1
62  08-JAN-2023 07:03  01072362ECD7.D   1  BKL0584-BSD1
63  08-JAN-2023 07:24  01072363ECD7.D   1  BKL0584-MRL1
64  08-JAN-2023 07:45  01072364ECD7.D   1  BKL0584-SRM1
65  08-JAN-2023 08:06  01072365ECD7.D   1  22L0307-61
66  08-JAN-2023 08:27  01072366ECD7.D   1  22L0307-62
67  08-JAN-2023 08:48  01072367ECD7.D   1  22L0307-63
68  08-JAN-2023 09:09  01072368ECD7.D   1  22L0307-64
69  08-JAN-2023 09:30  01072369ECD7.D   1  22L0307-65
70  08-JAN-2023 09:52  01072370ECD7.D   1  22L0307-66
71  08-JAN-2023 10:13  01072371ECD7.D   1  BKL0584-MS1
72  08-JAN-2023 10:34  01072372ECD7.D   1  BKL0584-MSD1
73  08-JAN-2023 10:55  01072373ECD7.D   1  AR1242CCV9
74  08-JAN-2023 11:16  01072374ECD7.D   1  AR1660CCVA
75  08-JAN-2023 11:37  01072375ECD7.D   1  BKL0723-BLK1
76  08-JAN-2023 11:58  01072376ECD7.D   1  BKL0723-BS1
77  08-JAN-2023 12:19  01072377ECD7.D   1  BKL0723-BSD1
78  08-JAN-2023 12:40  01072378ECD7.D   1  BKL0723-SRM1
79  08-JAN-2023 13:01  01072379ECD7.D   1  22L0329-21
80  08-JAN-2023 13:22  01072380ECD7.D   1  22L0329-22
81  08-JAN-2023 13:44  01072381ECD7.D   1  22L0329-23
82  08-JAN-2023 14:05  01072382ECD7.D   1  22L0329-24
83  08-JAN-2023 14:26  01072383ECD7.D   1  22L0329-25
84  08-JAN-2023 14:47  01072384ECD7.D   1  22L0329-26
85  08-JAN-2023 15:08  01072385ECD7.D   1  22L0329-27
86  08-JAN-2023 15:29  01072386ECD7.D   1  22L0329-28
87  08-JAN-2023 15:50  01072387ECD7.D   1  22L0329-29
88  08-JAN-2023 16:11  01072388ECD7.D   1  22L0329-30
89  08-JAN-2023 16:32  01072389ECD7.D   1  AR1254CCVB
90  08-JAN-2023 16:53  01072390ECD7.D   1  AR1660CCVC
91  08-JAN-2023 17:14  01072391ECD7.D   1  22L0329-31
92  08-JAN-2023 17:35  01072392ECD7.D   1  22L0329-32
93  08-JAN-2023 17:56  01072393ECD7.D   1  22L0329-33
94  08-JAN-2023 18:18  01072394ECD7.D   1  22L0329-34
95  08-JAN-2023 18:39  01072395ECD7.D   1  22L0329-35
96  08-JAN-2023 19:00  01072396ECD7.D   1  22L0329-36
97  08-JAN-2023 19:21  01072397ECD7.D   1  22L0329-37
98  08-JAN-2023 19:42  01072398ECD7.D   1  22L0329-38
99  08-JAN-2023 20:03  010723990ECD7.D   1  BKL0728-MS1
100  08-JAN-2023 20:24  010723991ECD7.D   1  BKL0728-MSD1
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GC LOG SUMMARY FOR DATABATCH - \\target\share\chem4\ecd7.i\230107.b          p3

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101  08-JAN-2023 20:45  010723992ECD7.D   1  22L0329-39
102  08-JAN-2023 21:06  010723993ECD7.D   1  22L0329-40
103  08-JAN-2023 21:27  010723995ECD7.D   1  AR1248CCVD
104  08-JAN-2023 21:48  010723996ECD7.D   1  AR1660CCVE
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MANUAL INTEGRATION SUMMARY FOR DATABATCH - \\target\share\chem4\ecd7.i\230107.b

ARI Job No.: DDTS   Method: PCB.m   Instrument: ecd7.i   Date: 07-JAN-2023

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Time  Filename    LabID     ClientId      DF    Manually Integrated Compounds
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0916  01072301ECD7.D DDTS                    1      NO MANUAL INTEGRATION
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0937  01072302ECD7.D AR1254ICV1              1      NO MANUAL INTEGRATION
------------------------------------------------------------------------------------------------------------------------------------------------------------------------
0958  01072303ECD7.D AR1660ICV2              1      NO MANUAL INTEGRATION
------------------------------------------------------------------------------------------------------------------------------------------------------------------------
1019  01072304ECD7.D BLA0091-BLK1              1      NO MANUAL INTEGRATION
------------------------------------------------------------------------------------------------------------------------------------------------------------------------
1040  01072305ECD7.D BLA0091-BS1              1      NO MANUAL INTEGRATION
------------------------------------------------------------------------------------------------------------------------------------------------------------------------
1101  01072306ECD7.D BLA0091-BSD1              1      NO MANUAL INTEGRATION
------------------------------------------------------------------------------------------------------------------------------------------------------------------------
1122  01072307ECD7.D 23A0059-01              1      NO MANUAL INTEGRATION
------------------------------------------------------------------------------------------------------------------------------------------------------------------------
1143  01072308ECD7.D BLA0086-BLK1              1      NO MANUAL INTEGRATION
------------------------------------------------------------------------------------------------------------------------------------------------------------------------
1204  01072309ECD7.D BLA0086-BS1              1      NO MANUAL INTEGRATION
------------------------------------------------------------------------------------------------------------------------------------------------------------------------
1225  01072310ECD7.D BLA0086-BSD1              1      NO MANUAL INTEGRATION
------------------------------------------------------------------------------------------------------------------------------------------------------------------------
1246  01072311ECD7.D 22L0665-01              1    Aroclor-1254, IS-HBBP, Decachlorobiphenyl,
------------------------------------------------------------------------------------------------------------------------------------------------------------------------
1307  01072312ECD7.D 22L0665-02              1      NO MANUAL INTEGRATION
------------------------------------------------------------------------------------------------------------------------------------------------------------------------
1328  01072313ECD7.D 22L0665-03              1      NO MANUAL INTEGRATION
------------------------------------------------------------------------------------------------------------------------------------------------------------------------
1349  01072314ECD7.D AR1248CCV1              1      NO MANUAL INTEGRATION
------------------------------------------------------------------------------------------------------------------------------------------------------------------------
1410  01072315ECD7.D AR1660CCV2              1      NO MANUAL INTEGRATION
------------------------------------------------------------------------------------------------------------------------------------------------------------------------
1453  01072316ECD7.D RINSE                   1      NO MANUAL INTEGRATION
------------------------------------------------------------------------------------------------------------------------------------------------------------------------
1514  01072317ECD7.D RINSE                   1      NO MANUAL INTEGRATION
------------------------------------------------------------------------------------------------------------------------------------------------------------------------
```

MANUAL INTEGRATION SUMMARY FOR DATABATCH - \\target\share\chem4\ecd7.i\230107.b

```
    Time   Filename    LabID     ClientId       DF     Manually Integrated Compounds
--------------------------------------------------------------------------------------------------------------------------------------------------------------------
1535  01072318ECD7.D RINSE                    1      NO MANUAL INTEGRATION
--------------------------------------------------------------------------------------------------------------------------------------------------------------------
1556  01072319ECD7.D 22L0665-04               1      NO MANUAL INTEGRATION
--------------------------------------------------------------------------------------------------------------------------------------------------------------------
1617  01072320ECD7.D 22L0665-05               1      NO MANUAL INTEGRATION
--------------------------------------------------------------------------------------------------------------------------------------------------------------------
1638  01072321ECD7.D 23A0003-01               1      NO MANUAL INTEGRATION
--------------------------------------------------------------------------------------------------------------------------------------------------------------------
1659  01072322ECD7.D 23A0065-01               1      NO MANUAL INTEGRATION
--------------------------------------------------------------------------------------------------------------------------------------------------------------------
1721  01072323ECD7.D AR1242CCV3               1    Aroclor-1242,
--------------------------------------------------------------------------------------------------------------------------------------------------------------------
1742  01072324ECD7.D AR1660CCV4               1      NO MANUAL INTEGRATION
--------------------------------------------------------------------------------------------------------------------------------------------------------------------
1803  01072325ECD7.D BKL0582-BLK1               1      NO MANUAL INTEGRATION
--------------------------------------------------------------------------------------------------------------------------------------------------------------------
1824  01072326ECD7.D BKL0582-BS1               1      NO MANUAL INTEGRATION
--------------------------------------------------------------------------------------------------------------------------------------------------------------------
1845  01072327ECD7.D BKL0582-BSD1               1      NO MANUAL INTEGRATION
--------------------------------------------------------------------------------------------------------------------------------------------------------------------
1906  01072328ECD7.D BKL0582-SRM1               1      NO MANUAL INTEGRATION
--------------------------------------------------------------------------------------------------------------------------------------------------------------------
1927  01072329ECD7.D 22L0307-21               1    Aroclor-1254,
--------------------------------------------------------------------------------------------------------------------------------------------------------------------
1948  01072330ECD7.D 22L0307-22               1      NO MANUAL INTEGRATION
--------------------------------------------------------------------------------------------------------------------------------------------------------------------
2009  01072331ECD7.D 22L0307-23               1      NO MANUAL INTEGRATION
--------------------------------------------------------------------------------------------------------------------------------------------------------------------
2030  01072332ECD7.D 22L0307-24               1      NO MANUAL INTEGRATION
--------------------------------------------------------------------------------------------------------------------------------------------------------------------
2051  01072333ECD7.D 22L0307-25               1      NO MANUAL INTEGRATION
--------------------------------------------------------------------------------------------------------------------------------------------------------------------
2112  01072334ECD7.D 22L0307-26               1      NO MANUAL INTEGRATION
--------------------------------------------------------------------------------------------------------------------------------------------------------------------
2133  01072335ECD7.D 22L0307-27               1      NO MANUAL INTEGRATION
--------------------------------------------------------------------------------------------------------------------------------------------------------------------
```

MANUAL INTEGRATION SUMMARY FOR DATABATCH - \\target\share\chem4\ecd7.i\230107.b

```
    Time   Filename    LabID     ClientId       DF    Manually Integrated Compounds
---------------------------------------------------------------------------------------------------------------------------------------------------------------------
2154  01072336ECD7.D 22L0307-28               1      NO MANUAL INTEGRATION
---------------------------------------------------------------------------------------------------------------------------------------------------------------------
2215  01072337ECD7.D 22L0307-29               1    Aroclor-1254,
---------------------------------------------------------------------------------------------------------------------------------------------------------------------
2237  01072338ECD7.D 22L0307-30               1      NO MANUAL INTEGRATION
---------------------------------------------------------------------------------------------------------------------------------------------------------------------
2258  01072339ECD7.D AR1254CCV5               1      NO MANUAL INTEGRATION
---------------------------------------------------------------------------------------------------------------------------------------------------------------------
2319  01072340ECD7.D AR1660CCV6               1      NO MANUAL INTEGRATION
---------------------------------------------------------------------------------------------------------------------------------------------------------------------
2340  01072341ECD7.D 22L0307-31               1      NO MANUAL INTEGRATION
---------------------------------------------------------------------------------------------------------------------------------------------------------------------
0001  01072342ECD7.D 22L0307-32               1      NO MANUAL INTEGRATION
---------------------------------------------------------------------------------------------------------------------------------------------------------------------
0022  01072343ECD7.D 22L0307-33               1      NO MANUAL INTEGRATION
---------------------------------------------------------------------------------------------------------------------------------------------------------------------
0043  01072344ECD7.D BKL0582-MS1               1      NO MANUAL INTEGRATION
---------------------------------------------------------------------------------------------------------------------------------------------------------------------
0104  01072345ECD7.D BKL0582-MSD1               1      NO MANUAL INTEGRATION
---------------------------------------------------------------------------------------------------------------------------------------------------------------------
0125  01072346ECD7.D 22L0307-34               1      NO MANUAL INTEGRATION
---------------------------------------------------------------------------------------------------------------------------------------------------------------------
0146  01072347ECD7.D 22L0307-35               1    Aroclor-1248, Aroclor-1254, Aroclor-1260, IS-HBBP, Decachlorobiphenyl,
---------------------------------------------------------------------------------------------------------------------------------------------------------------------
0207  01072348ECD7.D 22L0307-36               1    Aroclor-1254,
---------------------------------------------------------------------------------------------------------------------------------------------------------------------
0228  01072349ECD7.D 22L0307-37               1      NO MANUAL INTEGRATION
---------------------------------------------------------------------------------------------------------------------------------------------------------------------
0250  01072350ECD7.D 22L0307-38               1      NO MANUAL INTEGRATION
---------------------------------------------------------------------------------------------------------------------------------------------------------------------
0311  01072351ECD7.D 22L0307-39               1      NO MANUAL INTEGRATION
---------------------------------------------------------------------------------------------------------------------------------------------------------------------
0332  01072352ECD7.D 22L0307-40               1      NO MANUAL INTEGRATION
---------------------------------------------------------------------------------------------------------------------------------------------------------------------
0353  01072353ECD7.D AR1248CCV7               1    Aroclor-1248,
---------------------------------------------------------------------------------------------------------------------------------------------------------------------
```

```
MANUAL INTEGRATION SUMMARY FOR DATABATCH - \\target\share\chem4\ecd7.i\230107.b


    Time   Filename    LabID     ClientId       DF    Manually Integrated Compounds
--------------------------------------------------------------------------------------------------------------------------------------------------------------------
0414  01072354ECD7.D AR1660CCV8               1      NO MANUAL INTEGRATION
--------------------------------------------------------------------------------------------------------------------------------------------------------------------
0435  01072355ECD7.D BKL0596-BLK1               1      NO MANUAL INTEGRATION
--------------------------------------------------------------------------------------------------------------------------------------------------------------------
0456  01072356ECD7.D BKL0596-BS1               1      NO MANUAL INTEGRATION
--------------------------------------------------------------------------------------------------------------------------------------------------------------------
0517  01072357ECD7.D BKL0596-MRL1               1      NO MANUAL INTEGRATION
--------------------------------------------------------------------------------------------------------------------------------------------------------------------
0538  01072358ECD7.D BKL0596-MRL2               1      NO MANUAL INTEGRATION
--------------------------------------------------------------------------------------------------------------------------------------------------------------------
0559  01072359ECD7.D 22L0529-03               1      NO MANUAL INTEGRATION
--------------------------------------------------------------------------------------------------------------------------------------------------------------------
0621  01072360ECD7.D BKL0584-BLK1               1      NO MANUAL INTEGRATION
--------------------------------------------------------------------------------------------------------------------------------------------------------------------
0642  01072361ECD7.D BKL0584-BS1               1      NO MANUAL INTEGRATION
--------------------------------------------------------------------------------------------------------------------------------------------------------------------
0703  01072362ECD7.D BKL0584-BSD1               1      NO MANUAL INTEGRATION
--------------------------------------------------------------------------------------------------------------------------------------------------------------------
0724  01072363ECD7.D BKL0584-MRL1               1      NO MANUAL INTEGRATION
--------------------------------------------------------------------------------------------------------------------------------------------------------------------
0745  01072364ECD7.D BKL0584-SRM1               1      NO MANUAL INTEGRATION
--------------------------------------------------------------------------------------------------------------------------------------------------------------------
0806  01072365ECD7.D 22L0307-61               1      NO MANUAL INTEGRATION
--------------------------------------------------------------------------------------------------------------------------------------------------------------------
0827  01072366ECD7.D 22L0307-62               1      NO MANUAL INTEGRATION
--------------------------------------------------------------------------------------------------------------------------------------------------------------------
0848  01072367ECD7.D 22L0307-63               1    Aroclor-1254,
--------------------------------------------------------------------------------------------------------------------------------------------------------------------
0909  01072368ECD7.D 22L0307-64               1      NO MANUAL INTEGRATION
--------------------------------------------------------------------------------------------------------------------------------------------------------------------
0930  01072369ECD7.D 22L0307-65               1      NO MANUAL INTEGRATION
--------------------------------------------------------------------------------------------------------------------------------------------------------------------
0952  01072370ECD7.D 22L0307-66               1      NO MANUAL INTEGRATION
--------------------------------------------------------------------------------------------------------------------------------------------------------------------
1013  01072371ECD7.D BKL0584-MS1               1      NO MANUAL INTEGRATION
--------------------------------------------------------------------------------------------------------------------------------------------------------------------
```

MANUAL INTEGRATION SUMMARY FOR DATABATCH - \\target\share\chem4\ecd7.i\230107.b

```
    Time   Filename    LabID     ClientId       DF    Manually Integrated Compounds
--------------------------------------------------------------------------------------------------------------------------------------------------------------------
1034  01072372ECD7.D BKL0584-MSD1               1      NO MANUAL INTEGRATION
--------------------------------------------------------------------------------------------------------------------------------------------------------------------
1055  01072373ECD7.D AR1242CCV9               1    Aroclor-1242,
--------------------------------------------------------------------------------------------------------------------------------------------------------------------
1116  01072374ECD7.D AR1660CCVA               1      NO MANUAL INTEGRATION
--------------------------------------------------------------------------------------------------------------------------------------------------------------------
1137  01072375ECD7.D BKL0723-BLK1               1      NO MANUAL INTEGRATION
--------------------------------------------------------------------------------------------------------------------------------------------------------------------
1158  01072376ECD7.D BKL0723-BS1               1      NO MANUAL INTEGRATION
--------------------------------------------------------------------------------------------------------------------------------------------------------------------
1219  01072377ECD7.D BKL0723-BSD1               1      NO MANUAL INTEGRATION
--------------------------------------------------------------------------------------------------------------------------------------------------------------------
1240  01072378ECD7.D BKL0723-SRM1               1      NO MANUAL INTEGRATION
--------------------------------------------------------------------------------------------------------------------------------------------------------------------
1301  01072379ECD7.D 22L0329-21               1      NO MANUAL INTEGRATION
--------------------------------------------------------------------------------------------------------------------------------------------------------------------
1322  01072380ECD7.D 22L0329-22               1    Aroclor-1248, Aroclor-1254, Aroclor-1260,
--------------------------------------------------------------------------------------------------------------------------------------------------------------------
1344  01072381ECD7.D 22L0329-23               1    Aroclor-1248,
--------------------------------------------------------------------------------------------------------------------------------------------------------------------
1405  01072382ECD7.D 22L0329-24               1      NO MANUAL INTEGRATION
--------------------------------------------------------------------------------------------------------------------------------------------------------------------
1426  01072383ECD7.D 22L0329-25               1    Aroclor-1254,
--------------------------------------------------------------------------------------------------------------------------------------------------------------------
1447  01072384ECD7.D 22L0329-26               1    Aroclor-1254,
--------------------------------------------------------------------------------------------------------------------------------------------------------------------
1508  01072385ECD7.D 22L0329-27               1      NO MANUAL INTEGRATION
--------------------------------------------------------------------------------------------------------------------------------------------------------------------
1529  01072386ECD7.D 22L0329-28               1      NO MANUAL INTEGRATION
--------------------------------------------------------------------------------------------------------------------------------------------------------------------
1550  01072387ECD7.D 22L0329-29               1    Aroclor-1254,
--------------------------------------------------------------------------------------------------------------------------------------------------------------------
1611  01072388ECD7.D 22L0329-30               1      NO MANUAL INTEGRATION
--------------------------------------------------------------------------------------------------------------------------------------------------------------------
1632  01072389ECD7.D AR1254CCVB               1      NO MANUAL INTEGRATION
--------------------------------------------------------------------------------------------------------------------------------------------------------------------
```

MANUAL INTEGRATION SUMMARY FOR DATABATCH - \\target\share\chem4\ecd7.i\230107.b

```
    Time   Filename    LabID     ClientId       DF    Manually Integrated Compounds
-------------------------------------------------------------------------------------------------------------------------------------------------------------------
1653  01072390ECD7.D AR1660CCVC              1      NO MANUAL INTEGRATION
-------------------------------------------------------------------------------------------------------------------------------------------------------------------
1714  01072391ECD7.D 22L0329-31              1      NO MANUAL INTEGRATION
-------------------------------------------------------------------------------------------------------------------------------------------------------------------
1735  01072392ECD7.D 22L0329-32              1    Aroclor-1254, Aroclor-1260,
-------------------------------------------------------------------------------------------------------------------------------------------------------------------
1756  01072393ECD7.D 22L0329-33              1      NO MANUAL INTEGRATION
-------------------------------------------------------------------------------------------------------------------------------------------------------------------
1818  01072394ECD7.D 22L0329-34              1      NO MANUAL INTEGRATION
-------------------------------------------------------------------------------------------------------------------------------------------------------------------
1839  01072395ECD7.D 22L0329-35              1      NO MANUAL INTEGRATION
-------------------------------------------------------------------------------------------------------------------------------------------------------------------
1900  01072396ECD7.D 22L0329-36              1      NO MANUAL INTEGRATION
-------------------------------------------------------------------------------------------------------------------------------------------------------------------
1921  01072397ECD7.D 22L0329-37              1      NO MANUAL INTEGRATION
-------------------------------------------------------------------------------------------------------------------------------------------------------------------
1942  01072398ECD7.D 22L0329-38              1      NO MANUAL INTEGRATION
-------------------------------------------------------------------------------------------------------------------------------------------------------------------
2003  010723990ECD7.D BKL0728-MS1              1      NO MANUAL INTEGRATION
-------------------------------------------------------------------------------------------------------------------------------------------------------------------
2024  010723991ECD7.D BKL0728-MSD1              1      NO MANUAL INTEGRATION
-------------------------------------------------------------------------------------------------------------------------------------------------------------------
2045  010723992ECD7.D 22L0329-39              1      NO MANUAL INTEGRATION
-------------------------------------------------------------------------------------------------------------------------------------------------------------------
2106  010723993ECD7.D 22L0329-40              1      NO MANUAL INTEGRATION
-------------------------------------------------------------------------------------------------------------------------------------------------------------------
2127  010723995ECD7.D AR1248CCVD              1    Aroclor-1248,
-------------------------------------------------------------------------------------------------------------------------------------------------------------------
2148  010723996ECD7.D AR1660CCVE              1      NO MANUAL INTEGRATION
-------------------------------------------------------------------------------------------------------------------------------------------------------------------
0916  01072301ECD7.D DDTS                    1      NO MANUAL INTEGRATION
-------------------------------------------------------------------------------------------------------------------------------------------------------------------
0937  01072302ECD7.D AR1254ICV1              1      NO MANUAL INTEGRATION
-------------------------------------------------------------------------------------------------------------------------------------------------------------------
0958  01072303ECD7.D AR1660ICV2              1      NO MANUAL INTEGRATION
-------------------------------------------------------------------------------------------------------------------------------------------------------------------
```

MANUAL INTEGRATION SUMMARY FOR DATABATCH - \\target\share\chem4\ecd7.i\230107.b\230107.b

```
    Time   Filename    LabID     ClientId       DF    Manually Integrated Compounds
------------------------------------------------------------------------------------------------------------------------------------------------------------------
1019  01072304ECD7.D BLA0091-BLK1              1      NO MANUAL INTEGRATION
------------------------------------------------------------------------------------------------------------------------------------------------------------------
1040  01072305ECD7.D BLA0091-BS1              1      NO MANUAL INTEGRATION
------------------------------------------------------------------------------------------------------------------------------------------------------------------
1101  01072306ECD7.D BLA0091-BSD1              1      NO MANUAL INTEGRATION
------------------------------------------------------------------------------------------------------------------------------------------------------------------
1122  01072307ECD7.D 23A0059-01              1      NO MANUAL INTEGRATION
------------------------------------------------------------------------------------------------------------------------------------------------------------------
1143  01072308ECD7.D BLA0086-BLK1              1      NO MANUAL INTEGRATION
------------------------------------------------------------------------------------------------------------------------------------------------------------------
1204  01072309ECD7.D BLA0086-BS1              1    Aroclor-1016 [2C], Aroclor-1232 [2C], Aroclor-1242 [2C],
------------------------------------------------------------------------------------------------------------------------------------------------------------------
1225  01072310ECD7.D BLA0086-BSD1              1    Aroclor-1016 [2C], Aroclor-1232 [2C], Aroclor-1242 [2C],
------------------------------------------------------------------------------------------------------------------------------------------------------------------
1246  01072311ECD7.D 22L0665-01              1    Aroclor-1254 [2C],
------------------------------------------------------------------------------------------------------------------------------------------------------------------
1307  01072312ECD7.D 22L0665-02              1      NO MANUAL INTEGRATION
------------------------------------------------------------------------------------------------------------------------------------------------------------------
1328  01072313ECD7.D 22L0665-03              1      NO MANUAL INTEGRATION
------------------------------------------------------------------------------------------------------------------------------------------------------------------
1349  01072314ECD7.D AR1248CCV1              1      NO MANUAL INTEGRATION
------------------------------------------------------------------------------------------------------------------------------------------------------------------
1410  01072315ECD7.D AR1660CCV2              1      NO MANUAL INTEGRATION
------------------------------------------------------------------------------------------------------------------------------------------------------------------
1453  01072316ECD7.D RINSE                   1      NO MANUAL INTEGRATION
------------------------------------------------------------------------------------------------------------------------------------------------------------------
1514  01072317ECD7.D RINSE                   1      NO MANUAL INTEGRATION
------------------------------------------------------------------------------------------------------------------------------------------------------------------
1535  01072318ECD7.D RINSE                   1      NO MANUAL INTEGRATION
------------------------------------------------------------------------------------------------------------------------------------------------------------------
1556  01072319ECD7.D 22L0665-04              1      NO MANUAL INTEGRATION
------------------------------------------------------------------------------------------------------------------------------------------------------------------
1617  01072320ECD7.D 22L0665-05              1      NO MANUAL INTEGRATION
------------------------------------------------------------------------------------------------------------------------------------------------------------------
1638  01072321ECD7.D 23A0003-01              1      NO MANUAL INTEGRATION
------------------------------------------------------------------------------------------------------------------------------------------------------------------
```

MANUAL INTEGRATION SUMMARY FOR DATABATCH - \\target\share\chem4\ecd7.i\230107.b\230107.b

```
    Time   Filename    LabID     ClientId       DF    Manually Integrated Compounds
-------------------------------------------------------------------------------------------------------------------------------------------------------------------
1659  01072322ECD7.D 23A0065-01               1      NO MANUAL INTEGRATION
-------------------------------------------------------------------------------------------------------------------------------------------------------------------
1721  01072323ECD7.D AR1242CCV3               1      NO MANUAL INTEGRATION
-------------------------------------------------------------------------------------------------------------------------------------------------------------------
1742  01072324ECD7.D AR1660CCV4               1      NO MANUAL INTEGRATION
-------------------------------------------------------------------------------------------------------------------------------------------------------------------
1803  01072325ECD7.D BKL0582-BLK1               1      NO MANUAL INTEGRATION
-------------------------------------------------------------------------------------------------------------------------------------------------------------------
1824  01072326ECD7.D BKL0582-BS1               1      NO MANUAL INTEGRATION
-------------------------------------------------------------------------------------------------------------------------------------------------------------------
1845  01072327ECD7.D BKL0582-BSD1               1      NO MANUAL INTEGRATION
-------------------------------------------------------------------------------------------------------------------------------------------------------------------
1906  01072328ECD7.D BKL0582-SRM1               1      NO MANUAL INTEGRATION
-------------------------------------------------------------------------------------------------------------------------------------------------------------------
1927  01072329ECD7.D 22L0307-21               1      NO MANUAL INTEGRATION
-------------------------------------------------------------------------------------------------------------------------------------------------------------------
1948  01072330ECD7.D 22L0307-22               1      NO MANUAL INTEGRATION
-------------------------------------------------------------------------------------------------------------------------------------------------------------------
2009  01072331ECD7.D 22L0307-23               1      NO MANUAL INTEGRATION
-------------------------------------------------------------------------------------------------------------------------------------------------------------------
2030  01072332ECD7.D 22L0307-24               1      NO MANUAL INTEGRATION
-------------------------------------------------------------------------------------------------------------------------------------------------------------------
2051  01072333ECD7.D 22L0307-25               1      NO MANUAL INTEGRATION
-------------------------------------------------------------------------------------------------------------------------------------------------------------------
2112  01072334ECD7.D 22L0307-26               1      NO MANUAL INTEGRATION
-------------------------------------------------------------------------------------------------------------------------------------------------------------------
2133  01072335ECD7.D 22L0307-27               1      NO MANUAL INTEGRATION
-------------------------------------------------------------------------------------------------------------------------------------------------------------------
2154  01072336ECD7.D 22L0307-28               1      NO MANUAL INTEGRATION
-------------------------------------------------------------------------------------------------------------------------------------------------------------------
2215  01072337ECD7.D 22L0307-29               1    Aroclor-1248 [2C],
-------------------------------------------------------------------------------------------------------------------------------------------------------------------
2237  01072338ECD7.D 22L0307-30               1      NO MANUAL INTEGRATION
-------------------------------------------------------------------------------------------------------------------------------------------------------------------
2258  01072339ECD7.D AR1254CCV5               1    Aroclor-1254 [2C],
-------------------------------------------------------------------------------------------------------------------------------------------------------------------
```

MANUAL INTEGRATION SUMMARY FOR DATABATCH - \\target\share\chem4\ecd7.i\230107.b\230107.b

```
    Time   Filename    LabID     ClientId       DF    Manually Integrated Compounds
----------------------------------------------------------------------------------------------------------------------------------------------------------------
2319  01072340ECD7.D AR1660CCV6               1      NO MANUAL INTEGRATION
----------------------------------------------------------------------------------------------------------------------------------------------------------------
2340  01072341ECD7.D 22L0307-31               1      NO MANUAL INTEGRATION
----------------------------------------------------------------------------------------------------------------------------------------------------------------
0001  01072342ECD7.D 22L0307-32               1      NO MANUAL INTEGRATION
----------------------------------------------------------------------------------------------------------------------------------------------------------------
0022  01072343ECD7.D 22L0307-33               1      NO MANUAL INTEGRATION
----------------------------------------------------------------------------------------------------------------------------------------------------------------
0043  01072344ECD7.D BKL0582-MS1               1      NO MANUAL INTEGRATION
----------------------------------------------------------------------------------------------------------------------------------------------------------------
0104  01072345ECD7.D BKL0582-MSD1               1      NO MANUAL INTEGRATION
----------------------------------------------------------------------------------------------------------------------------------------------------------------
0125  01072346ECD7.D 22L0307-34               1      NO MANUAL INTEGRATION
----------------------------------------------------------------------------------------------------------------------------------------------------------------
0146  01072347ECD7.D 22L0307-35               1    Aroclor-1248 [2C],
----------------------------------------------------------------------------------------------------------------------------------------------------------------
0207  01072348ECD7.D 22L0307-36               1    Aroclor-1248 [2C],
----------------------------------------------------------------------------------------------------------------------------------------------------------------
0228  01072349ECD7.D 22L0307-37               1      NO MANUAL INTEGRATION
----------------------------------------------------------------------------------------------------------------------------------------------------------------
0250  01072350ECD7.D 22L0307-38               1      NO MANUAL INTEGRATION
----------------------------------------------------------------------------------------------------------------------------------------------------------------
0311  01072351ECD7.D 22L0307-39               1      NO MANUAL INTEGRATION
----------------------------------------------------------------------------------------------------------------------------------------------------------------
0332  01072352ECD7.D 22L0307-40               1      NO MANUAL INTEGRATION
----------------------------------------------------------------------------------------------------------------------------------------------------------------
0353  01072353ECD7.D AR1248CCV7               1      NO MANUAL INTEGRATION
----------------------------------------------------------------------------------------------------------------------------------------------------------------
0414  01072354ECD7.D AR1660CCV8               1      NO MANUAL INTEGRATION
----------------------------------------------------------------------------------------------------------------------------------------------------------------
0435  01072355ECD7.D BKL0596-BLK1               1      NO MANUAL INTEGRATION
----------------------------------------------------------------------------------------------------------------------------------------------------------------
0456  01072356ECD7.D BKL0596-BS1               1      NO MANUAL INTEGRATION
----------------------------------------------------------------------------------------------------------------------------------------------------------------
0517  01072357ECD7.D BKL0596-MRL1               1      NO MANUAL INTEGRATION
----------------------------------------------------------------------------------------------------------------------------------------------------------------
```

MANUAL INTEGRATION SUMMARY FOR DATABATCH - \\target\share\chem4\ecd7.i\230107.b\230107.b

```
    Time   Filename    LabID     ClientId       DF    Manually Integrated Compounds
----------------------------------------------------------------------------------------------------------------------------------------------------------------------
0538  01072358ECD7.D BKL0596-MRL2              1      NO MANUAL INTEGRATION
----------------------------------------------------------------------------------------------------------------------------------------------------------------------
0559  01072359ECD7.D 22L0529-03              1      NO MANUAL INTEGRATION
----------------------------------------------------------------------------------------------------------------------------------------------------------------------
0621  01072360ECD7.D BKL0584-BLK1              1      NO MANUAL INTEGRATION
----------------------------------------------------------------------------------------------------------------------------------------------------------------------
0642  01072361ECD7.D BKL0584-BS1              1      NO MANUAL INTEGRATION
----------------------------------------------------------------------------------------------------------------------------------------------------------------------
0703  01072362ECD7.D BKL0584-BSD1              1      NO MANUAL INTEGRATION
----------------------------------------------------------------------------------------------------------------------------------------------------------------------
0724  01072363ECD7.D BKL0584-MRL1              1      NO MANUAL INTEGRATION
----------------------------------------------------------------------------------------------------------------------------------------------------------------------
0745  01072364ECD7.D BKL0584-SRM1              1      NO MANUAL INTEGRATION
----------------------------------------------------------------------------------------------------------------------------------------------------------------------
0806  01072365ECD7.D 22L0307-61              1    Aroclor-1248 [2C],
----------------------------------------------------------------------------------------------------------------------------------------------------------------------
0827  01072366ECD7.D 22L0307-62              1      NO MANUAL INTEGRATION
----------------------------------------------------------------------------------------------------------------------------------------------------------------------
0848  01072367ECD7.D 22L0307-63              1    Aroclor-1248 [2C],
----------------------------------------------------------------------------------------------------------------------------------------------------------------------
0909  01072368ECD7.D 22L0307-64              1      NO MANUAL INTEGRATION
----------------------------------------------------------------------------------------------------------------------------------------------------------------------
0930  01072369ECD7.D 22L0307-65              1    Aroclor-1248 [2C],
----------------------------------------------------------------------------------------------------------------------------------------------------------------------
0952  01072370ECD7.D 22L0307-66              1    Aroclor-1248 [2C],
----------------------------------------------------------------------------------------------------------------------------------------------------------------------
1013  01072371ECD7.D BKL0584-MS1              1      NO MANUAL INTEGRATION
----------------------------------------------------------------------------------------------------------------------------------------------------------------------
1034  01072372ECD7.D BKL0584-MSD1              1      NO MANUAL INTEGRATION
----------------------------------------------------------------------------------------------------------------------------------------------------------------------
1055  01072373ECD7.D AR1242CCV9              1      NO MANUAL INTEGRATION
----------------------------------------------------------------------------------------------------------------------------------------------------------------------
1116  01072374ECD7.D AR1660CCVA              1      NO MANUAL INTEGRATION
----------------------------------------------------------------------------------------------------------------------------------------------------------------------
1137  01072375ECD7.D BKL0723-BLK1              1      NO MANUAL INTEGRATION
----------------------------------------------------------------------------------------------------------------------------------------------------------------------
```

MANUAL INTEGRATION SUMMARY FOR DATABATCH - \\target\share\chem4\ecd7.i\230107.b\230107.b

```
    Time   Filename    LabID     ClientId       DF    Manually Integrated Compounds
--------------------------------------------------------------------------------------------------------------------------------------------------------------------
1158  01072376ECD7.D BKL0723-BS1                1      NO MANUAL INTEGRATION
--------------------------------------------------------------------------------------------------------------------------------------------------------------------
1219  01072377ECD7.D BKL0723-BSD1               1      NO MANUAL INTEGRATION
--------------------------------------------------------------------------------------------------------------------------------------------------------------------
1240  01072378ECD7.D BKL0723-SRM1               1      NO MANUAL INTEGRATION
--------------------------------------------------------------------------------------------------------------------------------------------------------------------
1301  01072379ECD7.D 22L0329-21               1      NO MANUAL INTEGRATION
--------------------------------------------------------------------------------------------------------------------------------------------------------------------
1322  01072380ECD7.D 22L0329-22               1    Aroclor-1248 [2C], Aroclor-1254 [2C],
--------------------------------------------------------------------------------------------------------------------------------------------------------------------
1344  01072381ECD7.D 22L0329-23               1    Aroclor-1248 [2C], Aroclor-1254 [2C],
--------------------------------------------------------------------------------------------------------------------------------------------------------------------
1405  01072382ECD7.D 22L0329-24               1    Aroclor-1248 [2C], Aroclor-1254 [2C],
--------------------------------------------------------------------------------------------------------------------------------------------------------------------
1426  01072383ECD7.D 22L0329-25               1    Aroclor-1248 [2C], Aroclor-1254 [2C],
--------------------------------------------------------------------------------------------------------------------------------------------------------------------
1447  01072384ECD7.D 22L0329-26               1    Aroclor-1248 [2C],
--------------------------------------------------------------------------------------------------------------------------------------------------------------------
1508  01072385ECD7.D 22L0329-27               1    Aroclor-1248 [2C],
--------------------------------------------------------------------------------------------------------------------------------------------------------------------
1529  01072386ECD7.D 22L0329-28               1      NO MANUAL INTEGRATION
--------------------------------------------------------------------------------------------------------------------------------------------------------------------
1550  01072387ECD7.D 22L0329-29               1    Aroclor-1248 [2C],
--------------------------------------------------------------------------------------------------------------------------------------------------------------------
1611  01072388ECD7.D 22L0329-30               1    Aroclor-1248 [2C],
--------------------------------------------------------------------------------------------------------------------------------------------------------------------
1632  01072389ECD7.D AR1254CCVB               1    Aroclor-1254 [2C],
--------------------------------------------------------------------------------------------------------------------------------------------------------------------
1653  01072390ECD7.D AR1660CCVC               1      NO MANUAL INTEGRATION
--------------------------------------------------------------------------------------------------------------------------------------------------------------------
1714  01072391ECD7.D 22L0329-31               1      NO MANUAL INTEGRATION
--------------------------------------------------------------------------------------------------------------------------------------------------------------------
1735  01072392ECD7.D 22L0329-32               1    Aroclor-1248 [2C],
--------------------------------------------------------------------------------------------------------------------------------------------------------------------
1756  01072393ECD7.D 22L0329-33               1    Aroclor-1248 [2C],
--------------------------------------------------------------------------------------------------------------------------------------------------------------------
```

MANUAL INTEGRATION SUMMARY FOR DATABATCH - \\target\share\chem4\ecd7.i\230107.b\230107.b

```
    Time   Filename    LabID     ClientId       DF    Manually Integrated Compounds
--------------------------------------------------------------------------------------------------------------------------------------------------------------------
1818  01072394ECD7.D 22L0329-34               1    Aroclor-1248 [2C],
--------------------------------------------------------------------------------------------------------------------------------------------------------------------
1839  01072395ECD7.D 22L0329-35               1      NO MANUAL INTEGRATION
--------------------------------------------------------------------------------------------------------------------------------------------------------------------
1900  01072396ECD7.D 22L0329-36               1      NO MANUAL INTEGRATION
--------------------------------------------------------------------------------------------------------------------------------------------------------------------
1921  01072397ECD7.D 22L0329-37               1      NO MANUAL INTEGRATION
--------------------------------------------------------------------------------------------------------------------------------------------------------------------
1942  01072398ECD7.D 22L0329-38               1      NO MANUAL INTEGRATION
--------------------------------------------------------------------------------------------------------------------------------------------------------------------
2003  010723990ECD7.D BKL0728-MS1               1      NO MANUAL INTEGRATION
--------------------------------------------------------------------------------------------------------------------------------------------------------------------
2024  010723991ECD7.D BKL0728-MSD1               1      NO MANUAL INTEGRATION
--------------------------------------------------------------------------------------------------------------------------------------------------------------------
2045  010723992ECD7.D 22L0329-39               1      NO MANUAL INTEGRATION
--------------------------------------------------------------------------------------------------------------------------------------------------------------------
2106  010723993ECD7.D 22L0329-40               1      NO MANUAL INTEGRATION
--------------------------------------------------------------------------------------------------------------------------------------------------------------------
2127  010723994ECD7.D AR1248CCVD               1      NO MANUAL INTEGRATION
--------------------------------------------------------------------------------------------------------------------------------------------------------------------
2148  010723995ECD7.D AR1660CCVE               1      NO MANUAL INTEGRATION
--------------------------------------------------------------------------------------------------------------------------------------------------------------------
```

```
Security Status Report

Date: 11-Jan-2023 16:17

+--------------------------+---------------------------+-----------------------------------------+
|            01072301ECD7.D|                Data Locked|              richardl, 11-Jan-2023 16:17|
|            01072302ECD7.D|                Data Locked|              richardl, 11-Jan-2023 16:17|
|            01072303ECD7.D|                Data Locked|              richardl, 11-Jan-2023 16:17|
|            01072304ECD7.D|                Data Locked|              richardl, 11-Jan-2023 16:17|
|            01072305ECD7.D|                Data Locked|              richardl, 11-Jan-2023 16:17|
|            01072306ECD7.D|                Data Locked|              richardl, 11-Jan-2023 16:17|
|            01072307ECD7.D|                Data Locked|              richardl, 11-Jan-2023 16:17|
|            01072308ECD7.D|                Data Locked|              richardl, 11-Jan-2023 16:17|
|            01072309ECD7.D|                Data Locked|              richardl, 11-Jan-2023 16:17|
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Date: 11-Jan-2023 16:23

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ANALYSIS SEQUENCE

SLA0099

Instrument: ECD7
Calibration ID: FL00010

Printed: 2/28/2023 8:53:31AM

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SLA0099-ICV1	QC		1		K006957	K006953		
SLA0099-ICV2	QC		2		K006954	K006953		
BLA0091-BLK1	QC		3			K006953		
BLA0091-BS1	QC		4			K006953		
BLA0091-BSD1	QC		5			K006953		
23A0059-01	PCB (20 ug/kg) or (MTCA 0.	C 01	6			K006953	The Boeing Company [NBF - Central Puget S	
BLA0086-BLK1	QC		7			K006953		
BLA0086-BS1	QC		8			K006953		
BLA0086-BSD1	QC		9			K006953		
22L0665-01	8082A PCB Water 0.01	D 01	10			K006953	The Boeing Company [BDS Stormwaters]	
22L0665-02	8082A PCB Water 0.01	D 01	11			K006953	The Boeing Company [BDS Stormwaters]	
22L0665-03	8082A PCB Water 0.01	D 01	12			K006953	The Boeing Company [BDS Stormwaters]	
SLA0099-CCV1	QC		13		K006956	K006953		
SLA0099-CCV2	QC		14		K006954	K006953		
22L0665-04	8082A PCB Water 0.01	D 01	15			K006953	The Boeing Company [BDS Stormwaters]	
22L0665-05	8082A PCB Water 0.01	D 01	16			K006953	The Boeing Company [BDS Stormwaters]	
23A0003-01	8082A PCB Water 0.01	I 01	17			K006953	DH Environmental Inc	
23A0065-01	8.3 PCBs 0.01 ug/L or 20 ug/	B 01	18			K006953	Nucor Steel Corporation	
SLA0099-CCV3	QC		19		K006955	K006953		
SLA0099-CCV4	QC		20		K006954	K006953		
BKL0582-BLK1	QC		21			K006953		

Samples Loaded By Date

Data Processed By Date

ANALYSIS SEQUENCE

SLA0099

Instrument: ECD7
Calibration ID: FL00010

Printed: 2/28/2023 8:53:31AM

Lab Number	Analysis	Container	Order	Position	STD ID	ISTD ID	Client	Comments
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BKL0582-BSD1	QC		23			K006953		
BKL0582-SRM1	QC		24			K006953		
22L0307-21	8082A PCB Solid 4	B 01	25			K006953	Anchor QEA, LLC	
22L0307-22	8082A PCB Solid 4	B 01	26			K006953	Anchor QEA, LLC	
22L0307-23	8082A PCB Solid 4	B 01	27			K006953	Anchor QEA, LLC	
22L0307-24	8082A PCB Solid 4	B 01	28			K006953	Anchor QEA, LLC	
22L0307-25	8082A PCB Solid 4	B 01	29			K006953	Anchor QEA, LLC	
22L0307-26	8082A PCB Solid 4	B 01	30			K006953	Anchor QEA, LLC	
22L0307-27	8082A PCB Solid 4	B 01	31			K006953	Anchor QEA, LLC	
22L0307-28	8082A PCB Solid 4	B 01	32			K006953	Anchor QEA, LLC	
22L0307-29	8082A PCB Solid 4	C 01	33			K006953	Anchor QEA, LLC	
SLA0099-CCV5	QC		34		K006957	K006953		
SLA0099-CCV6	QC		35		K006954	K006953		
22L0307-31	8082A PCB Solid 4	C 01	36			K006953	Anchor QEA, LLC	
22L0307-32	8082A PCB Solid 4	C 01	37			K006953	Anchor QEA, LLC	
22L0307-33	8082A PCB Solid 4	C 01	38			K006953	Anchor QEA, LLC	
BKL0582-MS1	QC		39			K006953		
BKL0582-MSD1	QC		40			K006953		
22L0307-34	8082A PCB Solid 4	C 01	41			K006953	Anchor QEA, LLC	
22L0307-35	8082A PCB Solid 4	B 02	42			K006953	Anchor QEA, LLC	

Samples Loaded By Date

Data Processed By Date

ANALYSIS SEQUENCE

SLA0099

Instrument: ECD7
Calibration ID: FL00010

Printed: 2/28/2023 8:53:31AM

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22L0307-39	8082A PCB Solid 4	B 01	45			K006953	Anchor QEA, LLC	
22L0307-40	8082A PCB Solid 4	B 01	46			K006953	Anchor QEA, LLC	
SLA0099-CCV7	QC		47		K006956	K006953		
SLA0099-CCV8	QC		48		K006954	K006953		
BKL0596-BLK1	QC		49			K006953		
BKL0596-BS1	QC		50			K006953		
BKL0596-MRL1	QC		51			K006953		
BKL0596-MRL2	QC		52			K006953		
22L0529-03	8.3 PCBs 0.01 ug/L or 20 ug/	B 01	53			K006953	Spectra Laboratories	Version
BKL0584-BLK1	QC		54			K006953		
BKL0584-BS1	QC		55			K006953		
BKL0584-BSD1	QC		56			K006953		
BKL0584-MRL1	QC		57			K006953		
BKL0584-SRM1	QC		58			K006953		
22L0307-61	8082A PCB Solid 4	B 01	59			K006953	Anchor QEA, LLC	
22L0307-63	8082A PCB Solid 4	B 01	60			K006953	Anchor QEA, LLC	
22L0307-65	8082A PCB Solid 4	B 01	61			K006953	Anchor QEA, LLC	
22L0307-66	8082A PCB Solid 4	B 01	62			K006953	Anchor QEA, LLC	
BKL0584-MS1	QC		63			K006953		

Samples Loaded By ____________ Date

Data Processed By ____________ Date

ANALYSIS SEQUENCE

SLA0099

Instrument: ECD7
Calibration ID: FL00010

Printed: 2/28/2023 8:53:31AM

Lab Number	Analysis	Container	Order	Position	STD ID	ISTD ID	Client	Comments
BKL0584-MSD1	QC		64			K006953		
SLA0099-CCV9	QC		65		K006955	K006953		
SLA0099-CCVA	QC		66		K006954	K006953		
BKL0728-BLK1	QC		67			K006953		
BKL0728-BS1	QC		68			K006953		
BKL0728-BSD1	QC		69			K006953		
BKL0728-SRM1	QC		70			K006953		
22L0329-21	8082A PCB Solid 4	B 01	71			K006953	Anchor QEA, LLC	
22L0329-22	8082A PCB Solid 4	B 01	72			K006953	Anchor QEA, LLC	
22L0329-23	8082A PCB Solid 4	B 01	73			K006953	Anchor QEA, LLC	
22L0329-24	8082A PCB Solid 4	B 01	74			K006953	Anchor QEA, LLC	
22L0329-25	8082A PCB Solid 4	B 01	75			K006953	Anchor QEA, LLC	
22L0329-26	8082A PCB Solid 4	B 01	76			K006953	Anchor QEA, LLC	
22L0329-27	8082A PCB Solid 4	B 01	77			K006953	Anchor QEA, LLC	
22L0329-29	8082A PCB Solid 4	B 01	78			K006953	Anchor QEA, LLC	
22L0329-30	8082A PCB Solid 4	B 01	79			K006953	Anchor QEA, LLC	
SLA0099-CCVB	QC		80		K006957	K006953		
SLA0099-CCVC	QC		81		K006954	K006953		
22L0329-32	8082A PCB Solid 4	B 01	82			K006953	Anchor QEA, LLC	
22L0329-33	8082A PCB Solid 4	B 01	83			K006953	Anchor QEA, LLC	
22L0329-34	8082A PCB Solid 4	B 01	84			K006953	Anchor QEA, LLC	

Samples Loaded By Date

Data Processed By Date

ANALYSIS SEQUENCE

SLA0099

Instrument: ECD7
Calibration ID: FL00010

Printed: 2/28/2023 8:53:31AM

Lab Number	Analysis	Container	Order	Position	STD ID	ISTD ID	Client	Comments
22L0329-35	8082A PCB Solid 4	B 01	85			K006953	Anchor QEA, LLC	
22L0329-36	8082A PCB Solid 4	B 01	86			K006953	Anchor QEA, LLC	
22L0329-37	8082A PCB Solid 4	B 01	87			K006953	Anchor QEA, LLC	
22L0329-38	8082A PCB Solid 4	B 01	88			K006953	Anchor QEA, LLC	
BKL0728-MS1	QC		89			K006953		
BKL0728-MSD1	QC		90			K006953		
22L0329-39	8082A PCB Solid 4	B 01	91			K006953	Anchor QEA, LLC	
22L0329-40	8082A PCB Solid 4	B 01	92			K006953	Anchor QEA, LLC	
SLA0099-CCVD	QC		93		K006956	K006953		
SLA0099-CCVE	QC		94		K006954	K006953		

Samples Loaded By Date

Data Processed By Date

```
GC LOG SUMMARY FOR DATABATCH - \\target\share\chem4\ecd7.i\230107.b

    Inject Date/Time    Filename    DF  LabID         ClientID
-----------------------------------------------------------------
 1  07-JAN-2023 09:16  01072301ECD7.D   1  DDTS
 2  07-JAN-2023 09:37  01072302ECD7.D   1  AR1254ICV1
 3  07-JAN-2023 09:58  01072303ECD7.D   1  AR1660ICV2
 4  07-JAN-2023 10:19  01072304ECD7.D   1  BLA0091-BLK1
 5  07-JAN-2023 10:40  01072305ECD7.D   1  BLA0091-BS1
 6  07-JAN-2023 11:01  01072306ECD7.D   1  BLA0091-BSD1
 7  07-JAN-2023 11:22  01072307ECD7.D   1  23A0059-01
 8  07-JAN-2023 11:43  01072308ECD7.D   1  BLA0086-BLK1
 9  07-JAN-2023 12:04  01072309ECD7.D   1  BLA0086-BS1
10  07-JAN-2023 12:25  01072310ECD7.D   1  BLA0086-BSD1
11  07-JAN-2023 12:46  01072311ECD7.D   1  22L0665-01
12  07-JAN-2023 13:07  01072312ECD7.D   1  22L0665-02
13  07-JAN-2023 13:28  01072313ECD7.D   1  22L0665-03
14  07-JAN-2023 13:49  01072314ECD7.D   1  AR1248CCV1
15  07-JAN-2023 14:10  01072315ECD7.D   1  AR1660CCV2
16  07-JAN-2023 14:53  01072316ECD7.D   1  RINSE
17  07-JAN-2023 15:14  01072317ECD7.D   1  RINSE
18  07-JAN-2023 15:35  01072318ECD7.D   1  RINSE
19  07-JAN-2023 15:56  01072319ECD7.D   1  22L0665-04
20  07-JAN-2023 16:17  01072320ECD7.D   1  22L0665-05
21  07-JAN-2023 16:38  01072321ECD7.D   1  23A0003-01
22  07-JAN-2023 16:59  01072322ECD7.D   1  23A0065-01
23  07-JAN-2023 17:21  01072323ECD7.D   1  AR1242CCV3
24  07-JAN-2023 17:42  01072324ECD7.D   1  AR1660CCV4
25  07-JAN-2023 18:03  01072325ECD7.D   1  BKL0582-BLK1
26  07-JAN-2023 18:24  01072326ECD7.D   1  BKL0582-BS1
27  07-JAN-2023 18:45  01072327ECD7.D   1  BKL0582-BSD1
28  07-JAN-2023 19:06  01072328ECD7.D   1  BKL0582-SRM1
29  07-JAN-2023 19:27  01072329ECD7.D   1  22L0307-21
30  07-JAN-2023 19:48  01072330ECD7.D   1  22L0307-22
31  07-JAN-2023 20:09  01072331ECD7.D   1  22L0307-23
32  07-JAN-2023 20:30  01072332ECD7.D   1  22L0307-24
33  07-JAN-2023 20:51  01072333ECD7.D   1  22L0307-25
34  07-JAN-2023 21:12  01072334ECD7.D   1  22L0307-26
35  07-JAN-2023 21:33  01072335ECD7.D   1  22L0307-27
36  07-JAN-2023 21:54  01072336ECD7.D   1  22L0307-28
37  07-JAN-2023 22:15  01072337ECD7.D   1  22L0307-29
38  07-JAN-2023 22:37  01072338ECD7.D   1  22L0307-30
39  07-JAN-2023 22:58  01072339ECD7.D   1  AR1254CCV5
40  07-JAN-2023 23:19  01072340ECD7.D   1  AR1660CCV6
41  07-JAN-2023 23:40  01072341ECD7.D   1  22L0307-31
42  08-JAN-2023 00:01  01072342ECD7.D   1  22L0307-32
43  08-JAN-2023 00:22  01072343ECD7.D   1  22L0307-33
44  08-JAN-2023 00:43  01072344ECD7.D   1  BKL0582-MS1
45  08-JAN-2023 01:04  01072345ECD7.D   1  BKL0582-MSD1
46  08-JAN-2023 01:25  01072346ECD7.D   1  22L0307-34
47  08-JAN-2023 01:46  01072347ECD7.D   1  22L0307-35
48  08-JAN-2023 02:07  01072348ECD7.D   1  22L0307-36
49  08-JAN-2023 02:28  01072349ECD7.D   1  22L0307-37
50  08-JAN-2023 02:50  01072350ECD7.D   1  22L0307-38
```

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GC LOG SUMMARY FOR DATABATCH - \\target\share\chem4\ecd7.i\230107.b        p2

    Inject Date/Time    Filename    DF  LabID         ClientID
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51  08-JAN-2023 03:11  01072351ECD7.D   1  22L0307-39
52  08-JAN-2023 03:32  01072352ECD7.D   1  22L0307-40
53  08-JAN-2023 03:53  01072353ECD7.D   1  AR1248CCV7
54  08-JAN-2023 04:14  01072354ECD7.D   1  AR1660CCV8
55  08-JAN-2023 04:35  01072355ECD7.D   1  BKL0596-BLK1
56  08-JAN-2023 04:56  01072356ECD7.D   1  BKL0596-BS1
57  08-JAN-2023 05:17  01072357ECD7.D   1  BKL0596-MRL1
58  08-JAN-2023 05:38  01072358ECD7.D   1  BKL0596-MRL2
59  08-JAN-2023 05:59  01072359ECD7.D   1  22L0529-03
60  08-JAN-2023 06:21  01072360ECD7.D   1  BKL0584-BLK1
61  08-JAN-2023 06:42  01072361ECD7.D   1  BKL0584-BS1
62  08-JAN-2023 07:03  01072362ECD7.D   1  BKL0584-BSD1
63  08-JAN-2023 07:24  01072363ECD7.D   1  BKL0584-MRL1
64  08-JAN-2023 07:45  01072364ECD7.D   1  BKL0584-SRM1
65  08-JAN-2023 08:06  01072365ECD7.D   1  22L0307-61
66  08-JAN-2023 08:27  01072366ECD7.D   1  22L0307-62
67  08-JAN-2023 08:48  01072367ECD7.D   1  22L0307-63
68  08-JAN-2023 09:09  01072368ECD7.D   1  22L0307-64
69  08-JAN-2023 09:30  01072369ECD7.D   1  22L0307-65
70  08-JAN-2023 09:52  01072370ECD7.D   1  22L0307-66
71  08-JAN-2023 10:13  01072371ECD7.D   1  BKL0584-MS1
72  08-JAN-2023 10:34  01072372ECD7.D   1  BKL0584-MSD1
73  08-JAN-2023 10:55  01072373ECD7.D   1  AR1242CCV9
74  08-JAN-2023 11:16  01072374ECD7.D   1  AR1660CCVA
75  08-JAN-2023 11:37  01072375ECD7.D   1  BKL0723-BLK1
76  08-JAN-2023 11:58  01072376ECD7.D   1  BKL0723-BS1
77  08-JAN-2023 12:19  01072377ECD7.D   1  BKL0723-BSD1
78  08-JAN-2023 12:40  01072378ECD7.D   1  BKL0723-SRM1
79  08-JAN-2023 13:01  01072379ECD7.D   1  22L0329-21
80  08-JAN-2023 13:22  01072380ECD7.D   1  22L0329-22
81  08-JAN-2023 13:44  01072381ECD7.D   1  22L0329-23
82  08-JAN-2023 14:05  01072382ECD7.D   1  22L0329-24
83  08-JAN-2023 14:26  01072383ECD7.D   1  22L0329-25
84  08-JAN-2023 14:47  01072384ECD7.D   1  22L0329-26
85  08-JAN-2023 15:08  01072385ECD7.D   1  22L0329-27
86  08-JAN-2023 15:29  01072386ECD7.D   1  22L0329-28
87  08-JAN-2023 15:50  01072387ECD7.D   1  22L0329-29
88  08-JAN-2023 16:11  01072388ECD7.D   1  22L0329-30
89  08-JAN-2023 16:32  01072389ECD7.D   1  AR1254CCVB
90  08-JAN-2023 16:53  01072390ECD7.D   1  AR1660CCVC
91  08-JAN-2023 17:14  01072391ECD7.D   1  22L0329-31
92  08-JAN-2023 17:35  01072392ECD7.D   1  22L0329-32
93  08-JAN-2023 17:56  01072393ECD7.D   1  22L0329-33
94  08-JAN-2023 18:18  01072394ECD7.D   1  22L0329-34
95  08-JAN-2023 18:39  01072395ECD7.D   1  22L0329-35
96  08-JAN-2023 19:00  01072396ECD7.D   1  22L0329-36
97  08-JAN-2023 19:21  01072397ECD7.D   1  22L0329-37
98  08-JAN-2023 19:42  01072398ECD7.D   1  22L0329-38
99  08-JAN-2023 20:03  010723990ECD7.D   1  BKL0728-MS1
100  08-JAN-2023 20:24  010723991ECD7.D   1  BKL0728-MSD1
```

```
    Inject Date/Time    Filename    DF  LabID         ClientID
-----------------------------------------------------------------
101  08-JAN-2023 20:45  010723992ECD7.D   1  22L0329-39
102  08-JAN-2023 21:06  010723993ECD7.D   1  22L0329-40
103  08-JAN-2023 21:27  010723994ECD7.D   1  AR1248CCVD
104  08-JAN-2023 21:48  010723995ECD7.D   1  AR1660CCVE
```

MANUAL INTEGRATION SUMMARY FOR DATABATCH - \\target\share\chem4\ecd7.i\230107.b

ARI Job No.: DDTS   Method: PCB.m   Instrument: ecd7.i   Date: 07-JAN-2023

```
Time  Filename    LabID     ClientId      DF    Manually Integrated Compounds
---------------------------------------------------------------------------------------------------------------------------------------------------------------------
0916  01072301ECD7.D DDTS                    1      NO MANUAL INTEGRATION
---------------------------------------------------------------------------------------------------------------------------------------------------------------------
0937  01072302ECD7.D AR1254ICV1              1      NO MANUAL INTEGRATION
---------------------------------------------------------------------------------------------------------------------------------------------------------------------
0958  01072303ECD7.D AR1660ICV2              1      NO MANUAL INTEGRATION
---------------------------------------------------------------------------------------------------------------------------------------------------------------------
1019  01072304ECD7.D BLA0091-BLK1              1      NO MANUAL INTEGRATION
---------------------------------------------------------------------------------------------------------------------------------------------------------------------
1040  01072305ECD7.D BLA0091-BS1              1      NO MANUAL INTEGRATION
---------------------------------------------------------------------------------------------------------------------------------------------------------------------
1101  01072306ECD7.D BLA0091-BSD1              1      NO MANUAL INTEGRATION
---------------------------------------------------------------------------------------------------------------------------------------------------------------------
1122  01072307ECD7.D 23A0059-01              1      NO MANUAL INTEGRATION
---------------------------------------------------------------------------------------------------------------------------------------------------------------------
1143  01072308ECD7.D BLA0086-BLK1              1      NO MANUAL INTEGRATION
---------------------------------------------------------------------------------------------------------------------------------------------------------------------
1204  01072309ECD7.D BLA0086-BS1              1      NO MANUAL INTEGRATION
---------------------------------------------------------------------------------------------------------------------------------------------------------------------
1225  01072310ECD7.D BLA0086-BSD1              1      NO MANUAL INTEGRATION
---------------------------------------------------------------------------------------------------------------------------------------------------------------------
1246  01072311ECD7.D 22L0665-01              1    Aroclor-1254, IS-HBBP, Decachlorobiphenyl,
---------------------------------------------------------------------------------------------------------------------------------------------------------------------
1307  01072312ECD7.D 22L0665-02              1      NO MANUAL INTEGRATION
---------------------------------------------------------------------------------------------------------------------------------------------------------------------
1328  01072313ECD7.D 22L0665-03              1      NO MANUAL INTEGRATION
---------------------------------------------------------------------------------------------------------------------------------------------------------------------
1349  01072314ECD7.D AR1248CCV1              1      NO MANUAL INTEGRATION
---------------------------------------------------------------------------------------------------------------------------------------------------------------------
1410  01072315ECD7.D AR1660CCV2              1      NO MANUAL INTEGRATION
---------------------------------------------------------------------------------------------------------------------------------------------------------------------
1453  01072316ECD7.D RINSE                   1      NO MANUAL INTEGRATION
---------------------------------------------------------------------------------------------------------------------------------------------------------------------
1514  01072317ECD7.D RINSE                   1      NO MANUAL INTEGRATION
---------------------------------------------------------------------------------------------------------------------------------------------------------------------
```

MANUAL INTEGRATION SUMMARY FOR DATABATCH - \\target\share\chem4\ecd7.i\230107.b

```
    Time   Filename    LabID     ClientId       DF    Manually Integrated Compounds
-------------------------------------------------------------------------------------------------------------------------------------------------------------------
1535  01072318ECD7.D RINSE                    1      NO MANUAL INTEGRATION
-------------------------------------------------------------------------------------------------------------------------------------------------------------------
1556  01072319ECD7.D 22L0665-04               1      NO MANUAL INTEGRATION
-------------------------------------------------------------------------------------------------------------------------------------------------------------------
1617  01072320ECD7.D 22L0665-05               1      NO MANUAL INTEGRATION
-------------------------------------------------------------------------------------------------------------------------------------------------------------------
1638  01072321ECD7.D 23A0003-01               1      NO MANUAL INTEGRATION
-------------------------------------------------------------------------------------------------------------------------------------------------------------------
1659  01072322ECD7.D 23A0065-01               1      NO MANUAL INTEGRATION
-------------------------------------------------------------------------------------------------------------------------------------------------------------------
1721  01072323ECD7.D AR1242CCV3               1    Aroclor-1242,
-------------------------------------------------------------------------------------------------------------------------------------------------------------------
1742  01072324ECD7.D AR1660CCV4               1      NO MANUAL INTEGRATION
-------------------------------------------------------------------------------------------------------------------------------------------------------------------
1803  01072325ECD7.D BKL0582-BLK1               1      NO MANUAL INTEGRATION
-------------------------------------------------------------------------------------------------------------------------------------------------------------------
1824  01072326ECD7.D BKL0582-BS1               1      NO MANUAL INTEGRATION
-------------------------------------------------------------------------------------------------------------------------------------------------------------------
1845  01072327ECD7.D BKL0582-BSD1               1      NO MANUAL INTEGRATION
-------------------------------------------------------------------------------------------------------------------------------------------------------------------
1906  01072328ECD7.D BKL0582-SRM1               1      NO MANUAL INTEGRATION
-------------------------------------------------------------------------------------------------------------------------------------------------------------------
1927  01072329ECD7.D 22L0307-21               1    Aroclor-1254,
-------------------------------------------------------------------------------------------------------------------------------------------------------------------
1948  01072330ECD7.D 22L0307-22               1      NO MANUAL INTEGRATION
-------------------------------------------------------------------------------------------------------------------------------------------------------------------
2009  01072331ECD7.D 22L0307-23               1      NO MANUAL INTEGRATION
-------------------------------------------------------------------------------------------------------------------------------------------------------------------
2030  01072332ECD7.D 22L0307-24               1      NO MANUAL INTEGRATION
-------------------------------------------------------------------------------------------------------------------------------------------------------------------
2051  01072333ECD7.D 22L0307-25               1      NO MANUAL INTEGRATION
-------------------------------------------------------------------------------------------------------------------------------------------------------------------
2112  01072334ECD7.D 22L0307-26               1      NO MANUAL INTEGRATION
-------------------------------------------------------------------------------------------------------------------------------------------------------------------
2133  01072335ECD7.D 22L0307-27               1      NO MANUAL INTEGRATION
-------------------------------------------------------------------------------------------------------------------------------------------------------------------
```

MANUAL INTEGRATION SUMMARY FOR DATABATCH - \\target\share\chem4\ecd7.i\230107.b

```
    Time   Filename    LabID     ClientId      DF    Manually Integrated Compounds
-----------------------------------------------------------------------------------------------------------------------------------------------------------------
2154  01072336ECD7.D 22L0307-28              1      NO MANUAL INTEGRATION
-----------------------------------------------------------------------------------------------------------------------------------------------------------------
2215  01072337ECD7.D 22L0307-29              1    Aroclor-1254,
-----------------------------------------------------------------------------------------------------------------------------------------------------------------
2237  01072338ECD7.D 22L0307-30              1      NO MANUAL INTEGRATION
-----------------------------------------------------------------------------------------------------------------------------------------------------------------
2258  01072339ECD7.D AR1254CCV5              1      NO MANUAL INTEGRATION
-----------------------------------------------------------------------------------------------------------------------------------------------------------------
2319  01072340ECD7.D AR1660CCV6              1      NO MANUAL INTEGRATION
-----------------------------------------------------------------------------------------------------------------------------------------------------------------
2340  01072341ECD7.D 22L0307-31              1      NO MANUAL INTEGRATION
-----------------------------------------------------------------------------------------------------------------------------------------------------------------
0001  01072342ECD7.D 22L0307-32              1      NO MANUAL INTEGRATION
-----------------------------------------------------------------------------------------------------------------------------------------------------------------
0022  01072343ECD7.D 22L0307-33              1      NO MANUAL INTEGRATION
-----------------------------------------------------------------------------------------------------------------------------------------------------------------
0043  01072344ECD7.D BKL0582-MS1              1      NO MANUAL INTEGRATION
-----------------------------------------------------------------------------------------------------------------------------------------------------------------
0104  01072345ECD7.D BKL0582-MSD1              1      NO MANUAL INTEGRATION
-----------------------------------------------------------------------------------------------------------------------------------------------------------------
0125  01072346ECD7.D 22L0307-34              1      NO MANUAL INTEGRATION
-----------------------------------------------------------------------------------------------------------------------------------------------------------------
0146  01072347ECD7.D 22L0307-35              1    Aroclor-1248, Aroclor-1254, Aroclor-1260, IS-HBBP, Decachlorobiphenyl,
-----------------------------------------------------------------------------------------------------------------------------------------------------------------
0207  01072348ECD7.D 22L0307-36              1    Aroclor-1254,
-----------------------------------------------------------------------------------------------------------------------------------------------------------------
0228  01072349ECD7.D 22L0307-37              1      NO MANUAL INTEGRATION
-----------------------------------------------------------------------------------------------------------------------------------------------------------------
0250  01072350ECD7.D 22L0307-38              1      NO MANUAL INTEGRATION
-----------------------------------------------------------------------------------------------------------------------------------------------------------------
0311  01072351ECD7.D 22L0307-39              1      NO MANUAL INTEGRATION
-----------------------------------------------------------------------------------------------------------------------------------------------------------------
0332  01072352ECD7.D 22L0307-40              1      NO MANUAL INTEGRATION
-----------------------------------------------------------------------------------------------------------------------------------------------------------------
0353  01072353ECD7.D AR1248CCV7              1    Aroclor-1248,
-----------------------------------------------------------------------------------------------------------------------------------------------------------------
```

MANUAL INTEGRATION SUMMARY FOR DATABATCH - \\target\share\chem4\ecd7.i\230107.b

```
    Time   Filename    LabID     ClientId       DF    Manually Integrated Compounds
-------------------------------------------------------------------------------------------------------------------------------------------------------------------
0414  01072354ECD7.D AR1660CCV8               1      NO MANUAL INTEGRATION
-------------------------------------------------------------------------------------------------------------------------------------------------------------------
0435  01072355ECD7.D BKL0596-BLK1               1      NO MANUAL INTEGRATION
-------------------------------------------------------------------------------------------------------------------------------------------------------------------
0456  01072356ECD7.D BKL0596-BS1               1      NO MANUAL INTEGRATION
-------------------------------------------------------------------------------------------------------------------------------------------------------------------
0517  01072357ECD7.D BKL0596-MRL1               1      NO MANUAL INTEGRATION
-------------------------------------------------------------------------------------------------------------------------------------------------------------------
0538  01072358ECD7.D BKL0596-MRL2               1      NO MANUAL INTEGRATION
-------------------------------------------------------------------------------------------------------------------------------------------------------------------
0559  01072359ECD7.D 22L0529-03               1      NO MANUAL INTEGRATION
-------------------------------------------------------------------------------------------------------------------------------------------------------------------
0621  01072360ECD7.D BKL0584-BLK1               1      NO MANUAL INTEGRATION
-------------------------------------------------------------------------------------------------------------------------------------------------------------------
0642  01072361ECD7.D BKL0584-BS1               1      NO MANUAL INTEGRATION
-------------------------------------------------------------------------------------------------------------------------------------------------------------------
0703  01072362ECD7.D BKL0584-BSD1               1      NO MANUAL INTEGRATION
-------------------------------------------------------------------------------------------------------------------------------------------------------------------
0724  01072363ECD7.D BKL0584-MRL1               1      NO MANUAL INTEGRATION
-------------------------------------------------------------------------------------------------------------------------------------------------------------------
0745  01072364ECD7.D BKL0584-SRM1               1      NO MANUAL INTEGRATION
-------------------------------------------------------------------------------------------------------------------------------------------------------------------
0806  01072365ECD7.D 22L0307-61               1      NO MANUAL INTEGRATION
-------------------------------------------------------------------------------------------------------------------------------------------------------------------
0827  01072366ECD7.D 22L0307-62               1      NO MANUAL INTEGRATION
-------------------------------------------------------------------------------------------------------------------------------------------------------------------
0848  01072367ECD7.D 22L0307-63               1    Aroclor-1254,
-------------------------------------------------------------------------------------------------------------------------------------------------------------------
0909  01072368ECD7.D 22L0307-64               1      NO MANUAL INTEGRATION
-------------------------------------------------------------------------------------------------------------------------------------------------------------------
0930  01072369ECD7.D 22L0307-65               1      NO MANUAL INTEGRATION
-------------------------------------------------------------------------------------------------------------------------------------------------------------------
0952  01072370ECD7.D 22L0307-66               1      NO MANUAL INTEGRATION
-------------------------------------------------------------------------------------------------------------------------------------------------------------------
1013  01072371ECD7.D BKL0584-MS1               1      NO MANUAL INTEGRATION
-------------------------------------------------------------------------------------------------------------------------------------------------------------------
```

MANUAL INTEGRATION SUMMARY FOR DATABATCH - \\target\share\chem4\ecd7.i\230107.b

```
    Time   Filename    LabID     ClientId       DF    Manually Integrated Compounds
------------------------------------------------------------------------------------------------------------------------------------------------------------------
1034  01072372ECD7.D BKL0584-MSD1               1      NO MANUAL INTEGRATION
------------------------------------------------------------------------------------------------------------------------------------------------------------------
1055  01072373ECD7.D AR1242CCV9               1    Aroclor-1242,
------------------------------------------------------------------------------------------------------------------------------------------------------------------
1116  01072374ECD7.D AR1660CCVA               1      NO MANUAL INTEGRATION
------------------------------------------------------------------------------------------------------------------------------------------------------------------
1137  01072375ECD7.D BKL0723-BLK1               1      NO MANUAL INTEGRATION
------------------------------------------------------------------------------------------------------------------------------------------------------------------
1158  01072376ECD7.D BKL0723-BS1               1      NO MANUAL INTEGRATION
------------------------------------------------------------------------------------------------------------------------------------------------------------------
1219  01072377ECD7.D BKL0723-BSD1               1      NO MANUAL INTEGRATION
------------------------------------------------------------------------------------------------------------------------------------------------------------------
1240  01072378ECD7.D BKL0723-SRM1               1      NO MANUAL INTEGRATION
------------------------------------------------------------------------------------------------------------------------------------------------------------------
1301  01072379ECD7.D 22L0329-21               1      NO MANUAL INTEGRATION
------------------------------------------------------------------------------------------------------------------------------------------------------------------
1322  01072380ECD7.D 22L0329-22               1    Aroclor-1248, Aroclor-1254, Aroclor-1260,
------------------------------------------------------------------------------------------------------------------------------------------------------------------
1344  01072381ECD7.D 22L0329-23               1    Aroclor-1248,
------------------------------------------------------------------------------------------------------------------------------------------------------------------
1405  01072382ECD7.D 22L0329-24               1      NO MANUAL INTEGRATION
------------------------------------------------------------------------------------------------------------------------------------------------------------------
1426  01072383ECD7.D 22L0329-25               1    Aroclor-1254,
------------------------------------------------------------------------------------------------------------------------------------------------------------------
1447  01072384ECD7.D 22L0329-26               1    Aroclor-1254,
------------------------------------------------------------------------------------------------------------------------------------------------------------------
1508  01072385ECD7.D 22L0329-27               1      NO MANUAL INTEGRATION
------------------------------------------------------------------------------------------------------------------------------------------------------------------
1529  01072386ECD7.D 22L0329-28               1      NO MANUAL INTEGRATION
------------------------------------------------------------------------------------------------------------------------------------------------------------------
1550  01072387ECD7.D 22L0329-29               1    Aroclor-1254,
------------------------------------------------------------------------------------------------------------------------------------------------------------------
1611  01072388ECD7.D 22L0329-30               1      NO MANUAL INTEGRATION
------------------------------------------------------------------------------------------------------------------------------------------------------------------
1632  01072389ECD7.D AR1254CCVB               1      NO MANUAL INTEGRATION
------------------------------------------------------------------------------------------------------------------------------------------------------------------
```

MANUAL INTEGRATION SUMMARY FOR DATABATCH - \\target\share\chem4\ecd7.i\230107.b

```
    Time   Filename    LabID     ClientId       DF    Manually Integrated Compounds
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1653  01072390ECD7.D AR1660CCVC               1      NO MANUAL INTEGRATION
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1714  01072391ECD7.D 22L0329-31               1      NO MANUAL INTEGRATION
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1735  01072392ECD7.D 22L0329-32               1    Aroclor-1254, Aroclor-1260,
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2003  010723990ECD7.D BKL0728-MS1               1      NO MANUAL INTEGRATION
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2024  010723991ECD7.D BKL0728-MSD1               1      NO MANUAL INTEGRATION
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2045  010723992ECD7.D 22L0329-39               1      NO MANUAL INTEGRATION
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2106  010723993ECD7.D 22L0329-40               1      NO MANUAL INTEGRATION
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2127  010723995ECD7.D AR1248CCVD               1    Aroclor-1248,
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2148  010723996ECD7.D AR1660CCVE               1      NO MANUAL INTEGRATION
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0916  01072301ECD7.D DDTS                     1      NO MANUAL INTEGRATION
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0937  01072302ECD7.D AR1254ICV1               1      NO MANUAL INTEGRATION
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0958  01072303ECD7.D AR1660ICV2               1      NO MANUAL INTEGRATION
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MANUAL INTEGRATION SUMMARY FOR DATABATCH - \\target\share\chem4\ecd7.i\230107.b\230107.b

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1019  01072304ECD7.D BLA0091-BLK1              1      NO MANUAL INTEGRATION
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1101  01072306ECD7.D BLA0091-BSD1              1      NO MANUAL INTEGRATION
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1122  01072307ECD7.D 23A0059-01              1      NO MANUAL INTEGRATION
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1143  01072308ECD7.D BLA0086-BLK1              1      NO MANUAL INTEGRATION
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1204  01072309ECD7.D BLA0086-BS1              1    Aroclor-1016 [2C], Aroclor-1232 [2C], Aroclor-1242 [2C],
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1225  01072310ECD7.D BLA0086-BSD1              1    Aroclor-1016 [2C], Aroclor-1232 [2C], Aroclor-1242 [2C],
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1246  01072311ECD7.D 22L0665-01              1    Aroclor-1254 [2C],
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1307  01072312ECD7.D 22L0665-02              1      NO MANUAL INTEGRATION
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1328  01072313ECD7.D 22L0665-03              1      NO MANUAL INTEGRATION
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1349  01072314ECD7.D AR1248CCV1              1      NO MANUAL INTEGRATION
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1410  01072315ECD7.D AR1660CCV2              1      NO MANUAL INTEGRATION
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1453  01072316ECD7.D RINSE                   1      NO MANUAL INTEGRATION
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1514  01072317ECD7.D RINSE                   1      NO MANUAL INTEGRATION
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1535  01072318ECD7.D RINSE                   1      NO MANUAL INTEGRATION
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1556  01072319ECD7.D 22L0665-04              1      NO MANUAL INTEGRATION
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1617  01072320ECD7.D 22L0665-05              1      NO MANUAL INTEGRATION
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1638  01072321ECD7.D 23A0003-01              1      NO MANUAL INTEGRATION
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MANUAL INTEGRATION SUMMARY FOR DATABATCH - \\target\share\chem4\ecd7.i\230107.b\230107.b

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1742  01072324ECD7.D AR1660CCV4               1      NO MANUAL INTEGRATION
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1803  01072325ECD7.D BKL0582-BLK1               1      NO MANUAL INTEGRATION
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1824  01072326ECD7.D BKL0582-BS1               1      NO MANUAL INTEGRATION
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1845  01072327ECD7.D BKL0582-BSD1               1      NO MANUAL INTEGRATION
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1906  01072328ECD7.D BKL0582-SRM1               1      NO MANUAL INTEGRATION
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1927  01072329ECD7.D 22L0307-21               1      NO MANUAL INTEGRATION
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1948  01072330ECD7.D 22L0307-22               1      NO MANUAL INTEGRATION
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2009  01072331ECD7.D 22L0307-23               1      NO MANUAL INTEGRATION
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2030  01072332ECD7.D 22L0307-24               1      NO MANUAL INTEGRATION
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2051  01072333ECD7.D 22L0307-25               1      NO MANUAL INTEGRATION
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2112  01072334ECD7.D 22L0307-26               1      NO MANUAL INTEGRATION
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2133  01072335ECD7.D 22L0307-27               1      NO MANUAL INTEGRATION
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2154  01072336ECD7.D 22L0307-28               1      NO MANUAL INTEGRATION
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2237  01072338ECD7.D 22L0307-30               1      NO MANUAL INTEGRATION
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2258  01072339ECD7.D AR1254CCV5               1    Aroclor-1254 [2C],
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MANUAL INTEGRATION SUMMARY FOR DATABATCH - \\target\share\chem4\ecd7.i\230107.b\230107.b

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0022  01072343ECD7.D 22L0307-33               1      NO MANUAL INTEGRATION
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0043  01072344ECD7.D BKL0582-MS1               1      NO MANUAL INTEGRATION
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0104  01072345ECD7.D BKL0582-MSD1               1      NO MANUAL INTEGRATION
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0125  01072346ECD7.D 22L0307-34               1      NO MANUAL INTEGRATION
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0146  01072347ECD7.D 22L0307-35               1    Aroclor-1248 [2C],
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0207  01072348ECD7.D 22L0307-36               1    Aroclor-1248 [2C],
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0228  01072349ECD7.D 22L0307-37               1      NO MANUAL INTEGRATION
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0332  01072352ECD7.D 22L0307-40               1      NO MANUAL INTEGRATION
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MANUAL INTEGRATION SUMMARY FOR DATABATCH - \\target\share\chem4\ecd7.i\230107.b\230107.b

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0642  01072361ECD7.D BKL0584-BS1               1      NO MANUAL INTEGRATION
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0703  01072362ECD7.D BKL0584-BSD1               1      NO MANUAL INTEGRATION
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0724  01072363ECD7.D BKL0584-MRL1               1      NO MANUAL INTEGRATION
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0745  01072364ECD7.D BKL0584-SRM1               1      NO MANUAL INTEGRATION
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0827  01072366ECD7.D 22L0307-62               1      NO MANUAL INTEGRATION
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0848  01072367ECD7.D 22L0307-63               1    Aroclor-1248 [2C],
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0909  01072368ECD7.D 22L0307-64               1      NO MANUAL INTEGRATION
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0930  01072369ECD7.D 22L0307-65               1    Aroclor-1248 [2C],
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0952  01072370ECD7.D 22L0307-66               1    Aroclor-1248 [2C],
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1013  01072371ECD7.D BKL0584-MS1               1      NO MANUAL INTEGRATION
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1034  01072372ECD7.D BKL0584-MSD1               1      NO MANUAL INTEGRATION
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1055  01072373ECD7.D AR1242CCV9               1      NO MANUAL INTEGRATION
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1116  01072374ECD7.D AR1660CCVA               1      NO MANUAL INTEGRATION
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1137  01072375ECD7.D BKL0723-BLK1               1      NO MANUAL INTEGRATION
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MANUAL INTEGRATION SUMMARY FOR DATABATCH - \\target\share\chem4\ecd7.i\230107.b\230107.b

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1240  01072378ECD7.D BKL0723-SRM1               1      NO MANUAL INTEGRATION
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1322  01072380ECD7.D 22L0329-22               1    Aroclor-1248 [2C], Aroclor-1254 [2C],
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1344  01072381ECD7.D 22L0329-23               1    Aroclor-1248 [2C], Aroclor-1254 [2C],
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1405  01072382ECD7.D 22L0329-24               1    Aroclor-1248 [2C], Aroclor-1254 [2C],
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1426  01072383ECD7.D 22L0329-25               1    Aroclor-1248 [2C], Aroclor-1254 [2C],
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1447  01072384ECD7.D 22L0329-26               1    Aroclor-1248 [2C],
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1508  01072385ECD7.D 22L0329-27               1    Aroclor-1248 [2C],
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1529  01072386ECD7.D 22L0329-28               1      NO MANUAL INTEGRATION
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1550  01072387ECD7.D 22L0329-29               1    Aroclor-1248 [2C],
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1611  01072388ECD7.D 22L0329-30               1    Aroclor-1248 [2C],
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1632  01072389ECD7.D AR1254CCVB               1    Aroclor-1254 [2C],
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1653  01072390ECD7.D AR1660CCVC               1      NO MANUAL INTEGRATION
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1714  01072391ECD7.D 22L0329-31               1      NO MANUAL INTEGRATION
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1735  01072392ECD7.D 22L0329-32               1    Aroclor-1248 [2C],
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1756  01072393ECD7.D 22L0329-33               1    Aroclor-1248 [2C],
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MANUAL INTEGRATION SUMMARY FOR DATABATCH - \\target\share\chem4\ecd7.i\230107.b\230107.b

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1900  01072396ECD7.D 22L0329-36              1      NO MANUAL INTEGRATION
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1921  01072397ECD7.D 22L0329-37              1      NO MANUAL INTEGRATION
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1942  01072398ECD7.D 22L0329-38              1      NO MANUAL INTEGRATION
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2003  010723990ECD7.D BKL0728-MS1              1      NO MANUAL INTEGRATION
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2024  010723991ECD7.D BKL0728-MSD1              1      NO MANUAL INTEGRATION
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2045  010723992ECD7.D 22L0329-39              1      NO MANUAL INTEGRATION
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2106  010723993ECD7.D 22L0329-40              1      NO MANUAL INTEGRATION
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2127  010723994ECD7.D AR1248CCVD              1      NO MANUAL INTEGRATION
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2148  010723995ECD7.D AR1660CCVE              1      NO MANUAL INTEGRATION
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Security Status Report

Date: 28-Feb-2023 08:55

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Analytical Resources, LLC
Analytical Chemists and Consultants

Dual Column

ANALYSIS BATCH (SEQUENCE) SUMMARY

EPA 8082A

Laboratory:	Analytical Resources, LLC	SDG:	22L0307
Client:	Anchor QEA, LLC	Project:	AOC4 UR Phase 3
Sequence:	SLA0129	Instrument:	ECD7
		Calibration:	FL00010

Sample Name	Lab Sample ID	Column 1 File ID	Column 2 File ID	Matrix	Analysis Date/Time
Initial Cal Check	SLA0129-ICV1	01092302ECD7.D	01092302ECD7.D	NA	01/09/23 09:24
Initial Cal Check	SLA0129-ICV2	01092303ECD7.D	01092303ECD7.D	NA	01/09/23 09:46
Blank	BKL0583-BLK1	01092304ECD7.D	01092304ECD7.D	Solid	01/09/23 10:07
LCS	BKL0583-BS1	01092305ECD7.D	01092305ECD7.D	Solid	01/09/23 10:28
LCS Dup	BKL0583-BSD1	01092306ECD7.D	01092306ECD7.D	Solid	01/09/23 10:49
Reference	BKL0583-SRM1	01092307ECD7.D	01092307ECD7.D	Solid	01/09/23 11:10
LDW22-SC804G	22L0307-41	01092308ECD7.D	01092308ECD7.D	Solid	01/09/23 11:31
LDW22-SC804H	22L0307-42	01092309ECD7.D	01092309ECD7.D	Solid	01/09/23 11:52
LDW22-SC752A	22L0307-43	01092310ECD7.D	01092310ECD7.D	Solid	01/09/23 12:13
LDW22-SC752B	22L0307-44	01092311ECD7.D	01092311ECD7.D	Solid	01/09/23 12:34
LDW22-SC752C	22L0307-45	01092312ECD7.D	01092312ECD7.D	Solid	01/09/23 12:55
LDW22-SC752D	22L0307-46	01092313ECD7.D	01092313ECD7.D	Solid	01/09/23 13:17
LDW22-SC752E	22L0307-47	01092314ECD7.D	01092314ECD7.D	Solid	01/09/23 13:38
LDW22-SC752F	22L0307-48	01092315ECD7.D	01092315ECD7.D	Solid	01/09/23 13:59
LDW22-SC752G	22L0307-49	01092316ECD7.D	01092316ECD7.D	Solid	01/09/23 14:20
LDW22-SC752H	22L0307-50	01092317ECD7.D	01092317ECD7.D	Solid	01/09/23 14:41
Calibration Check	SLA0129-CCV1	01092318ECD7.D	01092318ECD7.D	NA	01/09/23 15:02
Calibration Check	SLA0129-CCV2	01092319ECD7.D	01092319ECD7.D	NA	01/09/23 15:23
LDW22-SC752H	BKL0583-MS1	01092320ECD7.D	01092320ECD7.D	Solid	01/09/23 15:44
LDW22-SC752H	BKL0583-MSD1	01092321ECD7.D	01092321ECD7.D	Solid	01/09/23 16:05
LDW22-SC752B-FD	22L0307-51	01092322ECD7.D	01092322ECD7.D	Solid	01/09/23 16:27
LDW22-SC800A	22L0307-52	01092323ECD7.D	01092323ECD7.D	Solid	01/09/23 16:48
LDW22-SC800B	22L0307-53	01092324ECD7.D	01092324ECD7.D	Solid	01/09/23 17:09
LDW22-SC800C	22L0307-54	01092325ECD7.D	01092325ECD7.D	Solid	01/09/23 17:30
LDW22-SC800D	22L0307-55	01092326ECD7.D	01092326ECD7.D	Solid	01/09/23 17:51
LDW22-SC800E	22L0307-56	01092327ECD7.D	01092327ECD7.D	Solid	01/09/23 18:12
LDW22-SC800G	22L0307-58	01092329ECD7.D	01092329ECD7.D	Solid	01/09/23 18:54
LDW22-SC800H	22L0307-59	01092330ECD7.D	01092330ECD7.D	Solid	01/09/23 19:15
Calibration Check	SLA0129-CCV3	01092332ECD7.D	01092332ECD7.D	NA	01/09/23 19:57

Dual Column

ANALYSIS BATCH (SEQUENCE) SUMMARY

EPA 8082A

Laboratory: Analytical Resources, LLC
SDG: 22L0307
Client: Anchor QEA, LLC
Project: AOC4 UR Phase 3
Sequence: SLA0129
Instrument: ECD7
Calibration: FL00010

Sample Name	Lab Sample ID	Column 1 File ID	Column 2 File ID	Matrix	Analysis Date/Time
Calibration Check	SLA0129-CCV4	01092333ECD7.D	01092333ECD7.D	NA	01/09/23 20:19
Calibration Check	SLA0129-CCV5	01092344ECD7.D	01092344ECD7.D	NA	01/10/23 00:10
Calibration Check	SLA0129-CCV6	01092345ECD7.D	01092345ECD7.D	NA	01/10/23 00:31
Calibration Check	SLA0129-CCV7	01092353ECD7.D	01092353ECD7.D	NA	01/10/23 03:20
Calibration Check	SLA0129-CCV8	01092354ECD7.D	01092354ECD7.D	NA	01/10/23 03:41
Calibration Check	SLA0129-CCV9	01092369ECD7.D	01092369ECD7.D	NA	01/10/23 08:57
Calibration Check	SLA0129-CCVA	01092370ECD7.D	01092370ECD7.D	NA	01/10/23 09:18
Calibration Check	SLA0129-CCVB	01092383ECD7.D	01092383ECD7.D	NA	01/10/23 13:52
Calibration Check	SLA0129-CCVC	01092384ECD7.D	01092384ECD7.D	NA	01/10/23 14:13

Printed: 1/13/2023 4:23:31PM

ANALYSIS SEQUENCE

SLA0129

Instrument: ECD7 Element Column ID:
Calibration ID: FL00010

Lab Number	Sample Name	Analysis	Container	Order	STD ID	ISTD ID	Analyzed	Comments
SLA0129-ICV1	AR1254ICV1	QC		1	K006957	K006953		
SLA0129-ICV2	AR1660ICV2	QC		2	K006954	K006953		
BKL0583-BLK1	Blank	QC		3		K006953		
BKL0583-BS1	LCS	QC		4		K006953		
BKL0583-BSD1	LCS Dup	QC		5		K006953		
BKL0583-SRM1	Reference	QC		6		K006953		
22L0307-41	LDW22-SC804G	8082A PCB Solid 4	B 01	7		K006953		
22L0307-42	LDW22-SC804H	8082A PCB Solid 4	B 01	8		K006953		
22L0307-43	LDW22-SC752A	8082A PCB Solid 4	B 01	9		K006953		
22L0307-44	LDW22-SC752B	8082A PCB Solid 4	B 01	10		K006953		
22L0307-45	LDW22-SC752C	8082A PCB Solid 4	B 01	11		K006953		
22L0307-46	LDW22-SC752D	8082A PCB Solid 4	B 01	12		K006953		
22L0307-47	LDW22-SC752E	8082A PCB Solid 4	B 01	13		K006953		
22L0307-48	LDW22-SC752F	8082A PCB Solid 4	B 01	14		K006953		
22L0307-49	LDW22-SC752G	8082A PCB Solid 4	B 01	15		K006953		
22L0307-50	LDW22-SC752H	8082A PCB Solid 4	B 01	16		K006953		
BKL0583-MS1	Matrix Spike	QC		17		K006953		
BKL0583-MSD1	Matrix Spike Dup	QC		18		K006953		
22L0307-51	LDW22-SC752B-FD	8082A PCB Solid 4	B 01	19		K006953		
22L0307-52	LDW22-SC800A	8082A PCB Solid 4	B 01	20		K006953		
22L0307-53	LDW22-SC800B	8082A PCB Solid 4	B 01	21		K006953		
22L0307-54	LDW22-SC800C	8082A PCB Solid 4	B 01	22		K006953		

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ANALYSIS SEQUENCE

SLA0129

Instrument: ECD7 Element Column ID:
Calibration ID: FL00010

Lab Number	Sample Name	Analysis	Container	Order	STD ID	ISTD ID	Analyzed	Comments
22L0307-55	LDW22-SC800D	8082A PCB Solid 4	B 01	23		K006953		
22L0307-56	LDW22-SC800E	8082A PCB Solid 4	B 01	24		K006953		
22L0307-58	LDW22-SC800G	8082A PCB Solid 4	B 01	25		K006953		
22L0307-59	LDW22-SC800H	8082A PCB Solid 4	B 01	26		K006953		
SLA0129-CCV1	AR1248CCV1	QC		27	K006956	K006953		
SLA0129-CCV2	AR1660CCV2	QC		28	K006954	K006953		
22L0473-11	LDW21-IT632A	8082A PCB Solid 4	A 01	29		K006953		
22L0246-01	LDW22-SC778B	8082A PCB Solid 4	B 01	30		K006953		
22L0246-18	LDW22-SC779D	8082A PCB Solid 4	B 01	31		K006953		
22L0246-19	LDW22-SC779D-FD	8082A PCB Solid 4	B 01	32		K006953		
22L0246-20	LDW22-SC779E	8082A PCB Solid 4	B 01	33		K006953		
22L0246-28	LDW22-SC777C	8082A PCB Solid 4	B 01	34		K006953		
22L0246-29	LDW22-SC777D	8082A PCB Solid 4	B 01	35		K006953		
SLA0129-CCV3	AR1242CCV3	QC		36	K006955	K006953		
SLA0129-CCV4	AR1660CCV4	QC		37	K006954	K006953		
22L0246-35	LDW22-SC759C	8082A PCB Solid 4	B 01	38		K006953		
22L0246-36	LDW22-SC759D	8082A PCB Solid 4	B 01	39		K006953		
22L0246-34	LDW22-SC777I	8082A PCB Solid 4	B 01	40		K006953		
22L0246-04	LDW22-SC778D	8082A PCB Solid 4	B 01	41		K006953		
22L0246-02	LDW22-SC778C	8082A PCB Solid 4	B 01	42		K006953		
22L0246-03	LDW22-SC778C-FD	8082A PCB Solid 4	B 01	43		K006953		
SLA0129-CCV5	AR1254CCV5	QC		44	K006957	K006953		

Printed: 1/13/2023 4:23:31PM

ANALYSIS SEQUENCE

SLA0129

Instrument: ECD7 Element Column ID:
Calibration ID: FL00010

Lab Number	Sample Name	Analysis	Container	Order	STD ID	ISTD ID	Analyzed	Comments
SLA0129-CCV6	AR1660CCV6	QC		45	K006954	K006953		
BKL0687-BLK1	Blank	QC		46		K006953		
BKL0687-BS1	LCS	QC		47		K006953		
BKL0687-BSD1	LCS Dup	QC		48		K006953		
BKL0687-SRM1	Reference	QC		49		K006953		
22L0329-01	LDW22-IT799A	8082A PCB Solid 4	B 01	50		K006953		
22L0329-02	LDW22-IT799B	8082A PCB Solid 4	B 01	51		K006953		
22L0329-03	LDW22-IT799C	8082A PCB Solid 4	A 01	52		K006953		
22L0329-04	LDW22-IT799D	8082A PCB Solid 4	A 01	53		K006953		
22L0329-05	LDW22-IT799E	8082A PCB Solid 4	A 01	54		K006953		
22L0329-06	LDW22-IT799F	8082A PCB Solid 4	B 01	55		K006953		
22L0329-07	LDW22-SC788B	8082A PCB Solid 4	A 01	56		K006953		
22L0329-08	LDW22-SC788C	8082A PCB Solid 4	A 01	57		K006953		
22L0329-09	LDW22-SC788D	8082A PCB Solid 4	B 01	58		K006953		
22L0329-10	LDW22-SC788E	8082A PCB Solid 4	A 01	59		K006953		
SLA0129-CCV7	AR1248CCV7	QC		60	K006956	K006953		
SLA0129-CCV8	AR1660CCV8	QC		61	K006954	K006953		
22L0329-11	LDW22-SC788E-FD	8082A PCB Solid 4	B 01	62		K006953		
22L0329-14	LDW22-SC788H	8082A PCB Solid 4	B 01	63		K006953		
22L0329-15	LDW22-IT791A	8082A PCB Solid 4	B 01	64		K006953		
22L0329-16	LDW22-IT791B	8082A PCB Solid 4	B 01	65		K006953		
BKL0687-MS1	Matrix Spike	QC		66		K006953		

Printed: 1/13/2023 4:23:31PM

ANALYSIS SEQUENCE

SLA0129

Instrument: ECD7 Element Column ID:
Calibration ID: FL00010

Lab Number	Sample Name	Analysis	Container	Order	STD ID	ISTD ID	Analyzed	Comments
BKL0687-MSD1	Matrix Spike Dup	QC		67		K006953		
22L0329-17	LDW22-IT791C	8082A PCB Solid 4	B 01	68		K006953		
22L0329-18	LDW22-IT791D	8082A PCB Solid 4	B 01	69		K006953		
22L0329-19	LDW22-IT791E	8082A PCB Solid 4	B 01	70		K006953		
22L0329-20	LDW22-IT791F	8082A PCB Solid 4	B 01	71		K006953		
SLA0129-CCV9	AR1242CCV9	QC		72	K006955	K006953		
SLA0129-CCVA	AR1660CCVA	QC		73	K006954	K006953		

MANUAL INTEGRATION SUMMARY FOR DATABATCH - \\target\share\chem4\ecd7.i\230109.b

ARI Job No.: AR12   Method: PCB.m   Instrument: ecd7.i   Date: 09-JAN-2023

```
Time  Filename    LabID     ClientId      DF    Manually Integrated Compounds
--------------------------------------------------------------------------------------------------------------------------------------------------------------------
0924  01092302ECD7.D AR1254I-CV1               1      NO MANUAL INTEGRATION
--------------------------------------------------------------------------------------------------------------------------------------------------------------------
0946  01092303ECD7.D AR1660-ICV2               1      NO MANUAL INTEGRATION
--------------------------------------------------------------------------------------------------------------------------------------------------------------------
1007  01092304ECD7.D BKL0583-BLK1               1      NO MANUAL INTEGRATION
--------------------------------------------------------------------------------------------------------------------------------------------------------------------
1028  01092305ECD7.D BKL0583-BS1               1      NO MANUAL INTEGRATION
--------------------------------------------------------------------------------------------------------------------------------------------------------------------
1049  01092306ECD7.D BKL0583-BSD1               1      NO MANUAL INTEGRATION
--------------------------------------------------------------------------------------------------------------------------------------------------------------------
1110  01092307ECD7.D BKL0583-SRM1               1      NO MANUAL INTEGRATION
--------------------------------------------------------------------------------------------------------------------------------------------------------------------
1131  01092308ECD7.D 22L0307-41               1      NO MANUAL INTEGRATION
--------------------------------------------------------------------------------------------------------------------------------------------------------------------
1152  01092309ECD7.D 22L0307-42               1      NO MANUAL INTEGRATION
--------------------------------------------------------------------------------------------------------------------------------------------------------------------
1213  01092310ECD7.D 22L0307-43               1      NO MANUAL INTEGRATION
--------------------------------------------------------------------------------------------------------------------------------------------------------------------
1234  01092311ECD7.D 22L0307-44               1      NO MANUAL INTEGRATION
--------------------------------------------------------------------------------------------------------------------------------------------------------------------
1255  01092312ECD7.D 22L0307-45               1      NO MANUAL INTEGRATION
--------------------------------------------------------------------------------------------------------------------------------------------------------------------
1317  01092313ECD7.D 22L0307-46               1      NO MANUAL INTEGRATION
--------------------------------------------------------------------------------------------------------------------------------------------------------------------
1338  01092314ECD7.D 22L0307-47               1      NO MANUAL INTEGRATION
--------------------------------------------------------------------------------------------------------------------------------------------------------------------
1359  01092315ECD7.D 22L0307-48               1      NO MANUAL INTEGRATION
--------------------------------------------------------------------------------------------------------------------------------------------------------------------
1420  01092316ECD7.D 22L0307-49               1      NO MANUAL INTEGRATION
--------------------------------------------------------------------------------------------------------------------------------------------------------------------
1441  01092317ECD7.D 22L0307-50               1      NO MANUAL INTEGRATION
--------------------------------------------------------------------------------------------------------------------------------------------------------------------
1502  01092318ECD7.D AR1248-CCV1               1    Aroclor-1248,
--------------------------------------------------------------------------------------------------------------------------------------------------------------------
```

MANUAL INTEGRATION SUMMARY FOR DATABATCH - \\target\share\chem4\ecd7.i\230109.b

```
    Time   Filename    LabID     ClientId       DF    Manually Integrated Compounds
-------------------------------------------------------------------------------------------------------------------------------------------------------------------
1523  01092319ECD7.D AR1660-CCV2              1      NO MANUAL INTEGRATION
-------------------------------------------------------------------------------------------------------------------------------------------------------------------
1544  01092320ECD7.D BKL0583-MS1              1      NO MANUAL INTEGRATION
-------------------------------------------------------------------------------------------------------------------------------------------------------------------
1605  01092321ECD7.D BKL0583-MSD1              1      NO MANUAL INTEGRATION
-------------------------------------------------------------------------------------------------------------------------------------------------------------------
1627  01092322ECD7.D 22L0307-51              1      NO MANUAL INTEGRATION
-------------------------------------------------------------------------------------------------------------------------------------------------------------------
1648  01092323ECD7.D 22L0307-52              1    Aroclor-1254,
-------------------------------------------------------------------------------------------------------------------------------------------------------------------
1709  01092324ECD7.D 22L0307-53              1      NO MANUAL INTEGRATION
-------------------------------------------------------------------------------------------------------------------------------------------------------------------
1730  01092325ECD7.D 22L0307-54              1      NO MANUAL INTEGRATION
-------------------------------------------------------------------------------------------------------------------------------------------------------------------
1751  01092326ECD7.D 22L0307-55              1    Aroclor-1254,
-------------------------------------------------------------------------------------------------------------------------------------------------------------------
1812  01092327ECD7.D 22L0307-56              1    Aroclor-1254,
-------------------------------------------------------------------------------------------------------------------------------------------------------------------
1833  01092328ECD7.D 22L0307-57              1    Aroclor-1254,
-------------------------------------------------------------------------------------------------------------------------------------------------------------------
1854  01092329ECD7.D 22L0307-58              1    Aroclor-1254,
-------------------------------------------------------------------------------------------------------------------------------------------------------------------
1915  01092330ECD7.D 22L0307-59              1    Aroclor-1254,
-------------------------------------------------------------------------------------------------------------------------------------------------------------------
1936  01092331ECD7.D 22L0307-60              1      NO MANUAL INTEGRATION
-------------------------------------------------------------------------------------------------------------------------------------------------------------------
1957  01092332ECD7.D AR1242-CCV3              1      NO MANUAL INTEGRATION
-------------------------------------------------------------------------------------------------------------------------------------------------------------------
2019  01092333ECD7.D AR1660-CCV4              1      NO MANUAL INTEGRATION
-------------------------------------------------------------------------------------------------------------------------------------------------------------------
2040  01092334ECD7.D 22L0633-01              1      NO MANUAL INTEGRATION
-------------------------------------------------------------------------------------------------------------------------------------------------------------------
2101  01092335ECD7.D 22L0473-11             10      NO MANUAL INTEGRATION
-------------------------------------------------------------------------------------------------------------------------------------------------------------------
2122  01092336ECD7.D 22L0246-01             10      NO MANUAL INTEGRATION
-------------------------------------------------------------------------------------------------------------------------------------------------------------------
```

MANUAL INTEGRATION SUMMARY FOR DATABATCH - \\target\share\chem4\ecd7.i\230109.b

```
    Time   Filename    LabID     ClientId       DF    Manually Integrated Compounds
---------------------------------------------------------------------------------------------------------------------------------------------------------------------------
2143  01092337ECD7.D 22L0246-18               5      NO MANUAL INTEGRATION
---------------------------------------------------------------------------------------------------------------------------------------------------------------------------
2204  01092338ECD7.D 22L0246-19               5      NO MANUAL INTEGRATION
---------------------------------------------------------------------------------------------------------------------------------------------------------------------------
2225  01092339ECD7.D 22L0246-20              10      NO MANUAL INTEGRATION
---------------------------------------------------------------------------------------------------------------------------------------------------------------------------
2246  01092340ECD7.D 22L0246-21               5      NO MANUAL INTEGRATION
---------------------------------------------------------------------------------------------------------------------------------------------------------------------------
2307  01092341ECD7.D 22L0246-22               5      NO MANUAL INTEGRATION
---------------------------------------------------------------------------------------------------------------------------------------------------------------------------
2328  01092342ECD7.D 22L0246-28               5    Decachlorobiphenyl,
---------------------------------------------------------------------------------------------------------------------------------------------------------------------------
2349  01092343ECD7.D 22L0246-29               5      NO MANUAL INTEGRATION
---------------------------------------------------------------------------------------------------------------------------------------------------------------------------
0010  01092344ECD7.D AR1254-CCV5               1      NO MANUAL INTEGRATION
---------------------------------------------------------------------------------------------------------------------------------------------------------------------------
0031  01092345ECD7.D AR1660-CCV6               1      NO MANUAL INTEGRATION
---------------------------------------------------------------------------------------------------------------------------------------------------------------------------
0052  01092346ECD7.D 22L0246-35               5      NO MANUAL INTEGRATION
---------------------------------------------------------------------------------------------------------------------------------------------------------------------------
0113  01092347ECD7.D 22L0246-36               5      NO MANUAL INTEGRATION
---------------------------------------------------------------------------------------------------------------------------------------------------------------------------
0134  01092348ECD7.D 22L0246-34               5      NO MANUAL INTEGRATION
---------------------------------------------------------------------------------------------------------------------------------------------------------------------------
0156  01092349ECD7.D 22L0246-01              10      NO MANUAL INTEGRATION
---------------------------------------------------------------------------------------------------------------------------------------------------------------------------
0217  01092350ECD7.D 22L0246-04               5      NO MANUAL INTEGRATION
---------------------------------------------------------------------------------------------------------------------------------------------------------------------------
0238  01092351ECD7.D 22L0246-02               5      NO MANUAL INTEGRATION
---------------------------------------------------------------------------------------------------------------------------------------------------------------------------
0259  01092352ECD7.D 22L0246-03               5      NO MANUAL INTEGRATION
---------------------------------------------------------------------------------------------------------------------------------------------------------------------------
0320  01092353ECD7.D AR1248-CCV7               1      NO MANUAL INTEGRATION
---------------------------------------------------------------------------------------------------------------------------------------------------------------------------
0341  01092354ECD7.D AR1660-CCV8               1      NO MANUAL INTEGRATION
---------------------------------------------------------------------------------------------------------------------------------------------------------------------------
```

MANUAL INTEGRATION SUMMARY FOR DATABATCH - \\target\share\chem4\ecd7.i\230109.b

```
    Time   Filename    LabID     ClientId       DF    Manually Integrated Compounds
--------------------------------------------------------------------------------------------------------------------------------------------------------------------
0402  01092355ECD7.D BKL0687-BLK1               1      NO MANUAL INTEGRATION
--------------------------------------------------------------------------------------------------------------------------------------------------------------------
0423  01092356ECD7.D BKL0687-BS1               1      NO MANUAL INTEGRATION
--------------------------------------------------------------------------------------------------------------------------------------------------------------------
0444  01092357ECD7.D BKL0687-BSD1               1      NO MANUAL INTEGRATION
--------------------------------------------------------------------------------------------------------------------------------------------------------------------
0505  01092358ECD7.D BKL0687-SRM1               1      NO MANUAL INTEGRATION
--------------------------------------------------------------------------------------------------------------------------------------------------------------------
0526  01092359ECD7.D 22L0329-01               1      NO MANUAL INTEGRATION
--------------------------------------------------------------------------------------------------------------------------------------------------------------------
0547  01092360ECD7.D 22L0329-02               1    Aroclor-1254,
--------------------------------------------------------------------------------------------------------------------------------------------------------------------
0608  01092361ECD7.D 22L0329-03               1      NO MANUAL INTEGRATION
--------------------------------------------------------------------------------------------------------------------------------------------------------------------
0629  01092362ECD7.D 22L0329-04               1    Aroclor-1254,
--------------------------------------------------------------------------------------------------------------------------------------------------------------------
0651  01092363ECD7.D 22L0329-05               1      NO MANUAL INTEGRATION
--------------------------------------------------------------------------------------------------------------------------------------------------------------------
0712  01092364ECD7.D 22L0329-06               1    Aroclor-1254,
--------------------------------------------------------------------------------------------------------------------------------------------------------------------
0733  01092365ECD7.D 22L0329-07               1    Aroclor-1254,
--------------------------------------------------------------------------------------------------------------------------------------------------------------------
0754  01092366ECD7.D 22L0329-08               1    Aroclor-1254,
--------------------------------------------------------------------------------------------------------------------------------------------------------------------
0815  01092367ECD7.D 22L0329-09               1    Aroclor-1254,
--------------------------------------------------------------------------------------------------------------------------------------------------------------------
0836  01092368ECD7.D 22L0329-10               1    Aroclor-1254,
--------------------------------------------------------------------------------------------------------------------------------------------------------------------
0857  01092369ECD7.D AR1242C-CCV9               1      NO MANUAL INTEGRATION
--------------------------------------------------------------------------------------------------------------------------------------------------------------------
0918  01092370ECD7.D AR1660-CCVA               1      NO MANUAL INTEGRATION
--------------------------------------------------------------------------------------------------------------------------------------------------------------------
0939  01092371ECD7.D 22L0329-11               1    Aroclor-1254,
--------------------------------------------------------------------------------------------------------------------------------------------------------------------
1000  01092372ECD7.D 22L0329-12               1    Aroclor-1254,
--------------------------------------------------------------------------------------------------------------------------------------------------------------------
```

MANUAL INTEGRATION SUMMARY FOR DATABATCH - \\target\share\chem4\ecd7.i\230109.b

```
    Time   Filename    LabID     ClientId       DF    Manually Integrated Compounds
-------------------------------------------------------------------------------------------------------------------------------------------------------------------
1021  01092373ECD7.D 22L0329-13               1      NO MANUAL INTEGRATION
-------------------------------------------------------------------------------------------------------------------------------------------------------------------
1042  01092374ECD7.D 22L0329-14               1    Aroclor-1254,
-------------------------------------------------------------------------------------------------------------------------------------------------------------------
1104  01092375ECD7.D 22L0329-15               1      NO MANUAL INTEGRATION
-------------------------------------------------------------------------------------------------------------------------------------------------------------------
1125  01092376ECD7.D 22L0329-16               1      NO MANUAL INTEGRATION
-------------------------------------------------------------------------------------------------------------------------------------------------------------------
1146  01092377ECD7.D BKL0687-MS1               1      NO MANUAL INTEGRATION
-------------------------------------------------------------------------------------------------------------------------------------------------------------------
1207  01092378ECD7.D BKL0687-MSD1               1      NO MANUAL INTEGRATION
-------------------------------------------------------------------------------------------------------------------------------------------------------------------
1228  01092379ECD7.D 22L0329-17               1      NO MANUAL INTEGRATION
-------------------------------------------------------------------------------------------------------------------------------------------------------------------
1249  01092380ECD7.D 22L0329-18               1      NO MANUAL INTEGRATION
-------------------------------------------------------------------------------------------------------------------------------------------------------------------
1310  01092381ECD7.D 22L0329-19               1      NO MANUAL INTEGRATION
-------------------------------------------------------------------------------------------------------------------------------------------------------------------
1331  01092382ECD7.D 22L0329-20               1      NO MANUAL INTEGRATION
-------------------------------------------------------------------------------------------------------------------------------------------------------------------
1352  01092383ECD7.D AR1242-CCVB               1    Aroclor-1242,
-------------------------------------------------------------------------------------------------------------------------------------------------------------------
1413  01092384ECD7.D AR1660-CCVC               1      NO MANUAL INTEGRATION
-------------------------------------------------------------------------------------------------------------------------------------------------------------------
```

```
GC LOG SUMMARY FOR DATABATCH - \\target\share\chem4\ecd7.i\230109.b

    Inject Date/Time    Filename    DF  LabID         ClientID
-----------------------------------------------------------------
 1  09-JAN-2023 09:24  01092302ECD7.D   1  AR1254I-CV1
 2  09-JAN-2023 09:46  01092303ECD7.D   1  AR1660-ICV2
 3  09-JAN-2023 10:07  01092304ECD7.D   1  BKL0583-BLK1
 4  09-JAN-2023 10:28  01092305ECD7.D   1  BKL0583-BS1
 5  09-JAN-2023 10:49  01092306ECD7.D   1  BKL0583-BSD1
 6  09-JAN-2023 11:10  01092307ECD7.D   1  BKL0583-SRM1
 7  09-JAN-2023 11:31  01092308ECD7.D   1  22L0307-41
 8  09-JAN-2023 11:52  01092309ECD7.D   1  22L0307-42
 9  09-JAN-2023 12:13  01092310ECD7.D   1  22L0307-43
10  09-JAN-2023 12:34  01092311ECD7.D   1  22L0307-44
11  09-JAN-2023 12:55  01092312ECD7.D   1  22L0307-45
12  09-JAN-2023 13:17  01092313ECD7.D   1  22L0307-46
13  09-JAN-2023 13:38  01092314ECD7.D   1  22L0307-47
14  09-JAN-2023 13:59  01092315ECD7.D   1  22L0307-48
15  09-JAN-2023 14:20  01092316ECD7.D   1  22L0307-49
16  09-JAN-2023 14:41  01092317ECD7.D   1  22L0307-50
17  09-JAN-2023 15:02  01092318ECD7.D   1  AR1248-CCV1
18  09-JAN-2023 15:23  01092319ECD7.D   1  AR1660-CCV2
19  09-JAN-2023 15:44  01092320ECD7.D   1  BKL0583-MS1
20  09-JAN-2023 16:05  01092321ECD7.D   1  BKL0583-MSD1
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31  09-JAN-2023 19:57  01092332ECD7.D   1  AR1242-CCV3
32  09-JAN-2023 20:19  01092333ECD7.D   1  AR1660-CCV4
33  09-JAN-2023 20:40  01092334ECD7.D   1  22L0633-01
34  09-JAN-2023 21:01  01092335ECD7.D  10  22L0473-11
35  09-JAN-2023 21:22  01092336ECD7.D  10  22L0246-01
36  09-JAN-2023 21:43  01092337ECD7.D   5  22L0246-18
37  09-JAN-2023 22:04  01092338ECD7.D   5  22L0246-19
38  09-JAN-2023 22:25  01092339ECD7.D  10  22L0246-20
39  09-JAN-2023 22:46  01092340ECD7.D   5  22L0246-21
40  09-JAN-2023 23:07  01092341ECD7.D   5  22L0246-22
41  09-JAN-2023 23:28  01092342ECD7.D   5  22L0246-28
42  09-JAN-2023 23:49  01092343ECD7.D   5  22L0246-29
43  10-JAN-2023 00:10  01092344ECD7.D   1  AR1254-CCV5
44  10-JAN-2023 00:31  01092345ECD7.D   1  AR1660-CCV6
45  10-JAN-2023 00:52  01092346ECD7.D   5  22L0246-35
46  10-JAN-2023 01:13  01092347ECD7.D   5  22L0246-36
47  10-JAN-2023 01:34  01092348ECD7.D   5  22L0246-34
48  10-JAN-2023 01:56  01092349ECD7.D  10  22L0246-01
49  10-JAN-2023 02:17  01092350ECD7.D   5  22L0246-04
50  10-JAN-2023 02:38  01092351ECD7.D   5  22L0246-02
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56  10-JAN-2023 04:44  01092357ECD7.D   1  BKL0687-BSD1
57  10-JAN-2023 05:05  01092358ECD7.D   1  BKL0687-SRM1
58  10-JAN-2023 05:26  01092359ECD7.D   1  22L0329-01
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67  10-JAN-2023 08:36  01092368ECD7.D   1  22L0329-10
68  10-JAN-2023 08:57  01092369ECD7.D   1  AR1242C-CCV9
69  10-JAN-2023 09:18  01092370ECD7.D   1  AR1660-CCVA
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72  10-JAN-2023 10:21  01092373ECD7.D   1  22L0329-13
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75  10-JAN-2023 11:25  01092376ECD7.D   1  22L0329-16
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77  10-JAN-2023 12:07  01092378ECD7.D   1  BKL0687-MSD1
78  10-JAN-2023 12:28  01092379ECD7.D   1  22L0329-17
79  10-JAN-2023 12:49  01092380ECD7.D   1  22L0329-18
80  10-JAN-2023 13:10  01092381ECD7.D   1  22L0329-19
81  10-JAN-2023 13:31  01092382ECD7.D   1  22L0329-20
82  10-JAN-2023 13:52  01092383ECD7.D   1  AR1242-CCVB
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Date: 13-Jan-2023 16:21

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Dual Column

ANALYSIS BATCH (SEQUENCE) SUMMARY

EPA 8082A

Laboratory:	Analytical Resources, LLC	SDG:	22L0307
Client:	Anchor QEA, LLC	Project:	AOC4 UR Phase 3
Sequence:	SLA0136	Instrument:	ECD7
		Calibration:	FL00010

Sample Name	Lab Sample ID	Column 1 File ID	Column 2 File ID	Matrix	Analysis Date/Time
Initial Cal Check	SLA0136-ICV1	01112302ECD7.D	01112302ECD7.D	NA	01/11/23 09:17
Initial Cal Check	SLA0136-ICV2	01112303ECD7.D	01112303ECD7.D	NA	01/11/23 09:38
Calibration Check	SLA0136-CCV1	01112317ECD7.D	01112317ECD7.D	NA	01/11/23 14:33
Calibration Check	SLA0136-CCV2	01112318ECD7.D	01112318ECD7.D	NA	01/11/23 14:54
Calibration Check	SLA0136-CCV3	01112328ECD7.D	01112328ECD7.D	NA	01/11/23 18:24
Calibration Check	SLA0136-CCV4	01112329ECD7.D	01112329ECD7.D	NA	01/11/23 18:46
Calibration Check	SLA0136-CCV5	01112346ECD7.D	01112346ECD7.D	NA	01/12/23 00:43
Calibration Check	SLA0136-CCV6	01112347ECD7.D	01112347ECD7.D	NA	01/12/23 01:04
Calibration Check	SLA0136-CCV7	01112359ECD7.D	01112359ECD7.D	NA	01/12/23 05:17
Calibration Check	SLA0136-CCV8	01112360ECD7.D	01112360ECD7.D	NA	01/12/23 05:38
LDW22-IT808B	22L0307-30	01112361ECD7.D	01112361ECD7.D	Solid	01/12/23 05:59
LDW22-SC804D	22L0307-37	01112362ECD7.D	01112362ECD7.D	Solid	01/12/23 06:20
LDW22-SC783D	22L0307-62	01112363ECD7.D	01112363ECD7.D	Solid	01/12/23 06:41
LDW22-SC783F	22L0307-64	01112364ECD7.D	01112364ECD7.D	Solid	01/12/23 07:02
Calibration Check	SLA0136-CCV9	01112374ECD7.D	01112374ECD7.D	NA	01/12/23 10:33
Calibration Check	SLA0136-CCVA	01112375ECD7.D	01112375ECD7.D	NA	01/12/23 10:54

Analytical Resources, LLC
Analytical Chemists and Consultants

ANALYSIS SEQUENCE

SLA0136

Instrument: ECD7
Calibration ID: FL00010

Printed: 1/14/2023 1:58:19PM

Lab Number	Analysis	Container	Order	Position	STD ID	ISTD ID	Client	Comments
SLA0136-ICV1	QC		1		K006957	K006953		
SLA0136-ICV2	QC		2		K006954	K006953		
BLA0069-BLK1	QC		3			K006953		
BLA0069-BS1	QC		4			K006953		
BLA0069-BSD1	QC		5			K006953		
BLA0069-SRM1	QC		6			K006953		
22L0459-01	8082A PCB Solid 4	A 03	7			K006953	Anchor QEA, LLC	
22L0459-02	8082A PCB Solid 4	A 03	8			K006953	Anchor QEA, LLC	
22L0459-03	8082A PCB Solid 4	A 03	9			K006953	Anchor QEA, LLC	
BLA0069-MS1	QC		10			K006953		
BLA0069-MSD1	QC		11			K006953		
22L0459-04	8082A PCB Solid 4	A 03	12			K006953	Anchor QEA, LLC	
22L0459-05	8082A PCB Solid 4	A 03	13			K006953	Anchor QEA, LLC	
22L0459-07	8082A PCB Solid 4	A 03	14			K006953	Anchor QEA, LLC	
SLA0136-CCV1	QC		15		K006956	K006953		
SLA0136-CCV2	QC		16		K006954	K006953		
BKL0612-BLK1	QC		17			K006953		
BKL0612-BS1	QC		18			K006953		
BKL0612-BSD1	QC		19			K006953		
22L0416-01	PCB (20 ug/kg) or (MTCA 0.	A 03	20			K006953	Integral Consulting, Inc.	Use this one
BKL0612-MS1	QC		21			K006953		

Samples Loaded By _______________ Date _______

Data Processed By _______________ Date _______

ANALYSIS SEQUENCE

SLA0136

Instrument: ECD7
Calibration ID: FL00010

Printed: 1/14/2023 1:58:19PM

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BKL0612-MSD1	QC		22			K006953		
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SLA0136-CCV4	QC		25		K006954	K006953		
BLA0063-BLK1	QC		26			K006953		
BLA0063-BS1	QC		27			K006953		
BLA0063-BSD1	QC		28			K006953		
BLA0063-SRM1	QC		29			K006953		
22L0383-01	8082A PCB Solid 4	A 04	30			K006953	Anchor QEA, LLC	
22L0383-02	8082A PCB Solid 4	A 04	31			K006953	Anchor QEA, LLC	
22L0383-03	8082A PCB Solid 4	A 04	32			K006953	Anchor QEA, LLC	
BLA0063-MS1	QC		33			K006953		
BLA0063-MSD1	QC		34			K006953		
22L0383-04	8082A PCB Solid 4	A 04	35			K006953	Anchor QEA, LLC	
22L0383-05	8082A PCB Solid 4	A 04	36			K006953	Anchor QEA, LLC	
22L0383-06	8082A PCB Solid 4	A 04	37			K006953	Anchor QEA, LLC	
22L0383-07	8082A PCB Solid 4	A 04	38			K006953	Anchor QEA, LLC	
22L0383-08	8082A PCB Solid 4	A 04	39			K006953	Anchor QEA, LLC	
SLA0136-CCV5	QC		40		K006957	K006953		
SLA0136-CCV6	QC		41		K006954	K006953		
22L0417-03	8082A PCB Solid 4	A 03	42			K006953	Anchor QEA, LLC	

Samples Loaded By Date

Data Processed By Date

ANALYSIS SEQUENCE

SLA0136

Instrument: ECD7
Calibration ID: FL00010

Printed: 1/14/2023 1:58:19PM

Lab Number	Analysis	Container	Order	Position	STD ID	ISTD ID	Client	Comments
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22L0417-05	8082A PCB Solid 4	A 03	44			K006953	Anchor QEA, LLC	
22L0417-06	8082A PCB Solid 4	A 03	45			K006953	Anchor QEA, LLC	
22L0417-07	8082A PCB Solid 4	A 03	46			K006953	Anchor QEA, LLC	
22L0417-09	8082A PCB Solid 4	A 03	47			K006953	Anchor QEA, LLC	
BLA0202-BLK1	QC		48			K006953		
BLA0202-BS1	QC		49			K006953		
BLA0202-BSD1	QC		50			K006953		
23A0127-01	8082A PCB	A 01	51			K006953	The Boeing Company [Auburn]	
SLA0136-CCV7	QC		52		K006956	K006953		
SLA0136-CCV8	QC		53		K006954	K006953		
22L0307-30	8082A PCB Solid 4	C 01	54			K006953	Anchor QEA, LLC	
22L0307-37	8082A PCB Solid 4	B 01	55			K006953	Anchor QEA, LLC	
22L0307-62	8082A PCB Solid 4	B 01	56			K006953	Anchor QEA, LLC	
22L0307-64	8082A PCB Solid 4	B 01	57			K006953	Anchor QEA, LLC	
22L0329-28	8082A PCB Solid 4	B 01	58			K006953	Anchor QEA, LLC	
22L0329-31	8082A PCB Solid 4	B 01	59			K006953	Anchor QEA, LLC	
BKL0732-BLK1	QC		60			K006953		
BKL0732-BS1	QC		61			K006953		
BKL0732-BSD1	QC		62			K006953		
22L0642-01	8082A PCB Water 0.01	L 01	63			K006953	Aspect Consulting, LLC.	

Samples Loaded By Date

Data Processed By Date

ANALYSIS SEQUENCE

SLA0136

Instrument: ECD7
Calibration ID: FL00010

Printed: 1/14/2023 1:58:19PM

Lab Number	Analysis	Container	Order	Position	STD ID	ISTD ID	Client	Comments
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22L0642-05	8082A PCB Water 0.01	L 01	65			K006953	Aspect Consulting, LLC.	
22L0642-07	8082A PCB Water 0.01	L 01	66			K006953	Aspect Consulting, LLC.	
SLA0136-CCV9	QC		67		K006955	K006953		
SLA0136-CCVA	QC		68		K006954	K006953		

Samples Loaded By Date

Data Processed By Date

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 3  11-JAN-2023 09:38  01112303ECD7.D   1  AR1660ICV2
 4  11-JAN-2023 09:59  01112304ECD7.D   1  BLA0069-BLK1
 5  11-JAN-2023 10:20  01112305ECD7.D   1  BLA0069-BS1
 6  11-JAN-2023 10:41  01112306ECD7.D   1  BLA0069-BSD1
 7  11-JAN-2023 11:02  01112307ECD7.D   1  BLA0069-SRM1
 8  11-JAN-2023 11:23  01112308ECD7.D   1  22L0459-01
 9  11-JAN-2023 11:44  01112309ECD7.D   1  22L0459-02
10  11-JAN-2023 12:05  01112310ECD7.D   1  22L0459-03
11  11-JAN-2023 12:26  01112311ECD7.D   1  BLA0069-MS1
12  11-JAN-2023 12:47  01112312ECD7.D   1  BLA0069-MSD1
13  11-JAN-2023 13:08  01112313ECD7.D   1  22L0459-04
14  11-JAN-2023 13:29  01112314ECD7.D   1  22L0459-05
15  11-JAN-2023 13:51  01112315ECD7.D   1  22L0459-06
16  11-JAN-2023 14:12  01112316ECD7.D   1  22L0459-07
17  11-JAN-2023 14:33  01112317ECD7.D   1  AR1248CCV1
18  11-JAN-2023 14:54  01112318ECD7.D   1  AR1660CCV2
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20  11-JAN-2023 15:36  01112320ECD7.D   1  BKL0612-BS1
21  11-JAN-2023 15:57  01112321ECD7.D   1  BKL0612-BSD1
22  11-JAN-2023 16:18  01112322ECD7.D   1  22L416-01
23  11-JAN-2023 16:39  01112323ECD7.D   1  22L416-61
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25  11-JAN-2023 17:21  01112325ECD7.D   1  BKL0612-MSD1
26  11-JAN-2023 17:42  01112326ECD7.D   1  22L416-69
27  11-JAN-2023 18:03  01112327ECD7.D   1  22L416-82
28  11-JAN-2023 18:24  01112328ECD7.D   1  AR1242CCV3
29  11-JAN-2023 18:46  01112329ECD7.D   1  AR1660CCV4
30  11-JAN-2023 19:07  01112330ECD7.D   1  BLA0063-BLK1
31  11-JAN-2023 19:28  01112331ECD7.D   1  BLA0063-BS1
32  11-JAN-2023 19:49  01112332ECD7.D   1  BLA0063-BSD1
33  11-JAN-2023 20:10  01112333ECD7.D   1  BLA0063-SRM1
34  11-JAN-2023 20:31  01112334ECD7.D   1  22L0383-01
35  11-JAN-2023 20:52  01112335ECD7.D   1  22L0383-02
36  11-JAN-2023 21:13  01112336ECD7.D   1  22L0383-03
37  11-JAN-2023 21:34  01112337ECD7.D   1  BLA0063-MS1
38  11-JAN-2023 21:55  01112338ECD7.D   1  BLA0063-MSD1
39  11-JAN-2023 22:16  01112339ECD7.D   1  22L0383-04
40  11-JAN-2023 22:37  01112340ECD7.D   1  22L0383-05
41  11-JAN-2023 22:58  01112341ECD7.D   1  22L0383-06
42  11-JAN-2023 23:19  01112342ECD7.D   1  22L0383-07
43  11-JAN-2023 23:40  01112343ECD7.D   1  22L0383-08
44  12-JAN-2023 00:01  01112344ECD7.D   1  22L0417-01
45  12-JAN-2023 00:22  01112345ECD7.D   1  22L0417-02
46  12-JAN-2023 00:43  01112346ECD7.D   1  AR1254CCV5
47  12-JAN-2023 01:04  01112347ECD7.D   1  AR1660CCV6
48  12-JAN-2023 01:25  01112348ECD7.D   1  22L0417-03
49  12-JAN-2023 01:46  01112349ECD7.D   1  22L0417-04
50  12-JAN-2023 02:08  01112350ECD7.D   1  22L0417-05
```

```
GC LOG SUMMARY FOR DATABATCH - \\target\share\chem4\ecd7.i\230111.b        p2

    Inject Date/Time    Filename    DF  LabID         ClientID
-----------------------------------------------------------------
51  12-JAN-2023 02:29  01112351ECD7.D   1  22L0417-06
52  12-JAN-2023 02:50  01112352ECD7.D   1  22L0417-07
53  12-JAN-2023 03:11  01112353ECD7.D   1  22L0417-08
54  12-JAN-2023 03:32  01112354ECD7.D   1  22L0417-09
55  12-JAN-2023 03:53  01112355ECD7.D   1  BLA0202-BLK1
56  12-JAN-2023 04:14  01112356ECD7.D   1  BLA0202-BS1
57  12-JAN-2023 04:35  01112357ECD7.D   1  BLA0202-BSD1
58  12-JAN-2023 04:56  01112358ECD7.D   1  23A0127-01
59  12-JAN-2023 05:17  01112359ECD7.D   1  AR1248CCV7
60  12-JAN-2023 05:38  01112360ECD7.D   1  AR1660CCV8
61  12-JAN-2023 05:59  01112361ECD7.D   5  22L0307-30RE1
62  12-JAN-2023 06:20  01112362ECD7.D   5  22L0307-37RE1
63  12-JAN-2023 06:41  01112363ECD7.D   5  22L0307-62RE1
64  12-JAN-2023 07:02  01112364ECD7.D   5  22L0307-64RE1
65  12-JAN-2023 07:23  01112365ECD7.D   5  22L0329-28RE1
66  12-JAN-2023 07:45  01112366ECD7.D   5  22L0329-31RE1
67  12-JAN-2023 08:06  01112367ECD7.D   1  BKL0732-BLK1
68  12-JAN-2023 08:27  01112368ECD7.D   1  BKL0732-BS1
69  12-JAN-2023 08:48  01112369ECD7.D   1  BKL0732-BSD1
70  12-JAN-2023 09:09  01112370ECD7.D   1  22L0642-01
71  12-JAN-2023 09:30  01112371ECD7.D   1  22L0642-03
72  12-JAN-2023 09:51  01112372ECD7.D   1  22L0642-05
73  12-JAN-2023 10:12  01112373ECD7.D   1  22L0642-07
74  12-JAN-2023 10:33  01112374ECD7.D   1  AR1242CCV9
75  12-JAN-2023 10:54  01112375ECD7.D   1  AR1660CCVA
76  12-JAN-2023 11:15  01112376ECD7.D   1  DCMRINSE
```

MANUAL INTEGRATION SUMMARY FOR DATABATCH - \\target\share\chem4\ecd7.i\230111.b

ARI Job No.: DDTS   Method: PCB.m   Instrument: ecd7.i   Date: 11-JAN-2023

```
Time  Filename    LabID     ClientId      DF    Manually Integrated Compounds
-------------------------------------------------------------------------------------------------------------------------------------------------------------------
0856  01112301ECD7.D DDTS                    1      NO MANUAL INTEGRATION
-------------------------------------------------------------------------------------------------------------------------------------------------------------------
0917  01112302ECD7.D AR1254ICV1              1      NO MANUAL INTEGRATION
-------------------------------------------------------------------------------------------------------------------------------------------------------------------
0938  01112303ECD7.D AR1660ICV2              1      NO MANUAL INTEGRATION
-------------------------------------------------------------------------------------------------------------------------------------------------------------------
0959  01112304ECD7.D BLA0069-BLK1              1      NO MANUAL INTEGRATION
-------------------------------------------------------------------------------------------------------------------------------------------------------------------
1020  01112305ECD7.D BLA0069-BS1              1      NO MANUAL INTEGRATION
-------------------------------------------------------------------------------------------------------------------------------------------------------------------
1041  01112306ECD7.D BLA0069-BSD1              1      NO MANUAL INTEGRATION
-------------------------------------------------------------------------------------------------------------------------------------------------------------------
1102  01112307ECD7.D BLA0069-SRM1              1      NO MANUAL INTEGRATION
-------------------------------------------------------------------------------------------------------------------------------------------------------------------
1123  01112308ECD7.D 22L0459-01              1    Aroclor-1254,
-------------------------------------------------------------------------------------------------------------------------------------------------------------------
1144  01112309ECD7.D 22L0459-02              1    Aroclor-1254,
-------------------------------------------------------------------------------------------------------------------------------------------------------------------
1205  01112310ECD7.D 22L0459-03              1    Aroclor-1254,
-------------------------------------------------------------------------------------------------------------------------------------------------------------------
1226  01112311ECD7.D BLA0069-MS1              1    Aroclor-1254,
-------------------------------------------------------------------------------------------------------------------------------------------------------------------
1247  01112312ECD7.D BLA0069-MSD1              1    Aroclor-1254,
-------------------------------------------------------------------------------------------------------------------------------------------------------------------
1308  01112313ECD7.D 22L0459-04              1    Aroclor-1254,
-------------------------------------------------------------------------------------------------------------------------------------------------------------------
1329  01112314ECD7.D 22L0459-05              1    Aroclor-1254,
-------------------------------------------------------------------------------------------------------------------------------------------------------------------
1351  01112315ECD7.D 22L0459-06              1      NO MANUAL INTEGRATION
-------------------------------------------------------------------------------------------------------------------------------------------------------------------
1412  01112316ECD7.D 22L0459-07              1    Aroclor-1254,
-------------------------------------------------------------------------------------------------------------------------------------------------------------------
1433  01112317ECD7.D AR1248CCV1              1      NO MANUAL INTEGRATION
-------------------------------------------------------------------------------------------------------------------------------------------------------------------
```

MANUAL INTEGRATION SUMMARY FOR DATABATCH - \\target\share\chem4\ecd7.i\230111.b

```
    Time   Filename    LabID     ClientId       DF    Manually Integrated Compounds
----------------------------------------------------------------------------------------------------------------------------------------------------------------
1454  01112318ECD7.D AR1660CCV2              1      NO MANUAL INTEGRATION
----------------------------------------------------------------------------------------------------------------------------------------------------------------
1515  01112319ECD7.D BKL0612-BLK1              1      NO MANUAL INTEGRATION
----------------------------------------------------------------------------------------------------------------------------------------------------------------
1536  01112320ECD7.D BKL0612-BS1              1      NO MANUAL INTEGRATION
----------------------------------------------------------------------------------------------------------------------------------------------------------------
1557  01112321ECD7.D BKL0612-BSD1              1      NO MANUAL INTEGRATION
----------------------------------------------------------------------------------------------------------------------------------------------------------------
1618  01112322ECD7.D 22L416-01               1      NO MANUAL INTEGRATION
----------------------------------------------------------------------------------------------------------------------------------------------------------------
1639  01112323ECD7.D 22L416-61               1      NO MANUAL INTEGRATION
----------------------------------------------------------------------------------------------------------------------------------------------------------------
1700  01112324ECD7.D BKL0612-MS1              1      NO MANUAL INTEGRATION
----------------------------------------------------------------------------------------------------------------------------------------------------------------
1721  01112325ECD7.D BKL0612-MSD1              1      NO MANUAL INTEGRATION
----------------------------------------------------------------------------------------------------------------------------------------------------------------
1742  01112326ECD7.D 22L416-69               1      NO MANUAL INTEGRATION
----------------------------------------------------------------------------------------------------------------------------------------------------------------
1803  01112327ECD7.D 22L416-82               1      NO MANUAL INTEGRATION
----------------------------------------------------------------------------------------------------------------------------------------------------------------
1824  01112328ECD7.D AR1242CCV3              1    Aroclor-1242,
----------------------------------------------------------------------------------------------------------------------------------------------------------------
1846  01112329ECD7.D AR1660CCV4              1      NO MANUAL INTEGRATION
----------------------------------------------------------------------------------------------------------------------------------------------------------------
1907  01112330ECD7.D BLA0063-BLK1              1      NO MANUAL INTEGRATION
----------------------------------------------------------------------------------------------------------------------------------------------------------------
1928  01112331ECD7.D BLA0063-BS1              1      NO MANUAL INTEGRATION
----------------------------------------------------------------------------------------------------------------------------------------------------------------
1949  01112332ECD7.D BLA0063-BSD1              1      NO MANUAL INTEGRATION
----------------------------------------------------------------------------------------------------------------------------------------------------------------
2010  01112333ECD7.D BLA0063-SRM1              1      NO MANUAL INTEGRATION
----------------------------------------------------------------------------------------------------------------------------------------------------------------
2031  01112334ECD7.D 22L0383-01              1    Aroclor-1248, Aroclor-1254,
----------------------------------------------------------------------------------------------------------------------------------------------------------------
2052  01112335ECD7.D 22L0383-02              1    Aroclor-1254,
----------------------------------------------------------------------------------------------------------------------------------------------------------------
```

MANUAL INTEGRATION SUMMARY FOR DATABATCH - \\target\share\chem4\ecd7.i\230111.b

```
    Time   Filename    LabID     ClientId       DF    Manually Integrated Compounds
--------------------------------------------------------------------------------------------------------------------------------------------------------------------
2113  01112336ECD7.D 22L0383-03               1    Aroclor-1254,
--------------------------------------------------------------------------------------------------------------------------------------------------------------------
2134  01112337ECD7.D BLA0063-MS1               1      NO MANUAL INTEGRATION
--------------------------------------------------------------------------------------------------------------------------------------------------------------------
2155  01112338ECD7.D BLA0063-MSD1               1      NO MANUAL INTEGRATION
--------------------------------------------------------------------------------------------------------------------------------------------------------------------
2216  01112339ECD7.D 22L0383-04               1    Aroclor-1254,
--------------------------------------------------------------------------------------------------------------------------------------------------------------------
2237  01112340ECD7.D 22L0383-05               1    Aroclor-1254,
--------------------------------------------------------------------------------------------------------------------------------------------------------------------
2258  01112341ECD7.D 22L0383-06               1    Aroclor-1254,
--------------------------------------------------------------------------------------------------------------------------------------------------------------------
2319  01112342ECD7.D 22L0383-07               1    Aroclor-1254,
--------------------------------------------------------------------------------------------------------------------------------------------------------------------
2340  01112343ECD7.D 22L0383-08               1    Aroclor-1254,
--------------------------------------------------------------------------------------------------------------------------------------------------------------------
0001  01112344ECD7.D 22L0417-01               1      NO MANUAL INTEGRATION
--------------------------------------------------------------------------------------------------------------------------------------------------------------------
0022  01112345ECD7.D 22L0417-02               1      NO MANUAL INTEGRATION
--------------------------------------------------------------------------------------------------------------------------------------------------------------------
0043  01112346ECD7.D AR1254CCV5               1      NO MANUAL INTEGRATION
--------------------------------------------------------------------------------------------------------------------------------------------------------------------
0104  01112347ECD7.D AR1660CCV6               1      NO MANUAL INTEGRATION
--------------------------------------------------------------------------------------------------------------------------------------------------------------------
0125  01112348ECD7.D 22L0417-03               1    Aroclor-1254,
--------------------------------------------------------------------------------------------------------------------------------------------------------------------
0146  01112349ECD7.D 22L0417-04               1    Aroclor-1254,
--------------------------------------------------------------------------------------------------------------------------------------------------------------------
0208  01112350ECD7.D 22L0417-05               1    Aroclor-1254,
--------------------------------------------------------------------------------------------------------------------------------------------------------------------
0229  01112351ECD7.D 22L0417-06               1    Aroclor-1254,
--------------------------------------------------------------------------------------------------------------------------------------------------------------------
0250  01112352ECD7.D 22L0417-07               1    Aroclor-1254,
--------------------------------------------------------------------------------------------------------------------------------------------------------------------
0311  01112353ECD7.D 22L0417-08               1      NO MANUAL INTEGRATION
--------------------------------------------------------------------------------------------------------------------------------------------------------------------
```

MANUAL INTEGRATION SUMMARY FOR DATABATCH - \\target\share\chem4\ecd7.i\230111.b

```
    Time   Filename    LabID     ClientId       DF    Manually Integrated Compounds
-------------------------------------------------------------------------------------------------------------------------------------------------------------------
0332  01112354ECD7.D 22L0417-09               1    Aroclor-1254,
-------------------------------------------------------------------------------------------------------------------------------------------------------------------
0353  01112355ECD7.D BLA0202-BLK1               1     NO MANUAL INTEGRATION
-------------------------------------------------------------------------------------------------------------------------------------------------------------------
0414  01112356ECD7.D BLA0202-BS1               1     NO MANUAL INTEGRATION
-------------------------------------------------------------------------------------------------------------------------------------------------------------------
0435  01112357ECD7.D BLA0202-BSD1               1     NO MANUAL INTEGRATION
-------------------------------------------------------------------------------------------------------------------------------------------------------------------
0456  01112358ECD7.D 23A0127-01               1     NO MANUAL INTEGRATION
-------------------------------------------------------------------------------------------------------------------------------------------------------------------
0517  01112359ECD7.D AR1248CCV7               1     NO MANUAL INTEGRATION
-------------------------------------------------------------------------------------------------------------------------------------------------------------------
0538  01112360ECD7.D AR1660CCV8               1     NO MANUAL INTEGRATION
-------------------------------------------------------------------------------------------------------------------------------------------------------------------
0559  01112361ECD7.D 22L0307-30RE1               5   Aroclor-1248,
-------------------------------------------------------------------------------------------------------------------------------------------------------------------
0620  01112362ECD7.D 22L0307-37RE1               5   Aroclor-1254,
-------------------------------------------------------------------------------------------------------------------------------------------------------------------
0641  01112363ECD7.D 22L0307-62RE1               5     NO MANUAL INTEGRATION
-------------------------------------------------------------------------------------------------------------------------------------------------------------------
0702  01112364ECD7.D 22L0307-64RE1               5     NO MANUAL INTEGRATION
-------------------------------------------------------------------------------------------------------------------------------------------------------------------
0723  01112365ECD7.D 22L0329-28RE1               5     NO MANUAL INTEGRATION
-------------------------------------------------------------------------------------------------------------------------------------------------------------------
0745  01112366ECD7.D 22L0329-31RE1               5     NO MANUAL INTEGRATION
-------------------------------------------------------------------------------------------------------------------------------------------------------------------
0806  01112367ECD7.D BKL0732-BLK1               1     NO MANUAL INTEGRATION
-------------------------------------------------------------------------------------------------------------------------------------------------------------------
0827  01112368ECD7.D BKL0732-BS1               1     NO MANUAL INTEGRATION
-------------------------------------------------------------------------------------------------------------------------------------------------------------------
0848  01112369ECD7.D BKL0732-BSD1               1     NO MANUAL INTEGRATION
-------------------------------------------------------------------------------------------------------------------------------------------------------------------
0909  01112370ECD7.D 22L0642-01               1     NO MANUAL INTEGRATION
-------------------------------------------------------------------------------------------------------------------------------------------------------------------
0930  01112371ECD7.D 22L0642-03               1     NO MANUAL INTEGRATION
-------------------------------------------------------------------------------------------------------------------------------------------------------------------
```

MANUAL INTEGRATION SUMMARY FOR DATABATCH - \\target\share\chem4\ecd7.i\230111.b

```
    Time   Filename    LabID     ClientId       DF    Manually Integrated Compounds
---------------------------------------------------------------------------------------------------------------------------------------------------------------------
0951  01112372ECD7.D 22L0642-05               1      NO MANUAL INTEGRATION
---------------------------------------------------------------------------------------------------------------------------------------------------------------------
1012  01112373ECD7.D 22L0642-07               1      NO MANUAL INTEGRATION
---------------------------------------------------------------------------------------------------------------------------------------------------------------------
1033  01112374ECD7.D AR1242CCV9               1      NO MANUAL INTEGRATION
---------------------------------------------------------------------------------------------------------------------------------------------------------------------
1054  01112375ECD7.D AR1660CCVA               1      NO MANUAL INTEGRATION
---------------------------------------------------------------------------------------------------------------------------------------------------------------------
1115  01112376ECD7.D DCMRINSE                 1      NO MANUAL INTEGRATION
---------------------------------------------------------------------------------------------------------------------------------------------------------------------
0856  01112301ECD7.D DDTS                     1      NO MANUAL INTEGRATION
---------------------------------------------------------------------------------------------------------------------------------------------------------------------
0917  01112302ECD7.D AR1254ICV1               1    Aroclor-1254 [2C],
---------------------------------------------------------------------------------------------------------------------------------------------------------------------
0938  01112303ECD7.D AR1660ICV2               1      NO MANUAL INTEGRATION
---------------------------------------------------------------------------------------------------------------------------------------------------------------------
0959  01112304ECD7.D BLA0069-BLK1               1      NO MANUAL INTEGRATION
---------------------------------------------------------------------------------------------------------------------------------------------------------------------
1020  01112305ECD7.D BLA0069-BS1               1      NO MANUAL INTEGRATION
---------------------------------------------------------------------------------------------------------------------------------------------------------------------
1041  01112306ECD7.D BLA0069-BSD1               1      NO MANUAL INTEGRATION
---------------------------------------------------------------------------------------------------------------------------------------------------------------------
1102  01112307ECD7.D BLA0069-SRM1               1      NO MANUAL INTEGRATION
---------------------------------------------------------------------------------------------------------------------------------------------------------------------
1123  01112308ECD7.D 22L0459-01               1    Aroclor-1248 [2C],
---------------------------------------------------------------------------------------------------------------------------------------------------------------------
1144  01112309ECD7.D 22L0459-02               1    Aroclor-1248 [2C],
---------------------------------------------------------------------------------------------------------------------------------------------------------------------
1205  01112310ECD7.D 22L0459-03               1    Aroclor-1248 [2C],
---------------------------------------------------------------------------------------------------------------------------------------------------------------------
1226  01112311ECD7.D BLA0069-MS1               1    Aroclor-1248 [2C],
---------------------------------------------------------------------------------------------------------------------------------------------------------------------
1247  01112312ECD7.D BLA0069-MSD1               1    Aroclor-1248 [2C],
---------------------------------------------------------------------------------------------------------------------------------------------------------------------
1308  01112313ECD7.D 22L0459-04               1    Aroclor-1248 [2C],
---------------------------------------------------------------------------------------------------------------------------------------------------------------------
```

MANUAL INTEGRATION SUMMARY FOR DATABATCH - \\target\share\chem4\ecd7.i\230111.b\230111.b

```
    Time   Filename    LabID     ClientId       DF    Manually Integrated Compounds
--------------------------------------------------------------------------------------------------------------------------------------------------------------------
1329  01112314ECD7.D 22L0459-05               1    Aroclor-1248 [2C],
--------------------------------------------------------------------------------------------------------------------------------------------------------------------
1351  01112315ECD7.D 22L0459-06               1      NO MANUAL INTEGRATION
--------------------------------------------------------------------------------------------------------------------------------------------------------------------
1412  01112316ECD7.D 22L0459-07               1    Aroclor-1248 [2C],
--------------------------------------------------------------------------------------------------------------------------------------------------------------------
1433  01112317ECD7.D AR1248CCV1               1      NO MANUAL INTEGRATION
--------------------------------------------------------------------------------------------------------------------------------------------------------------------
1454  01112318ECD7.D AR1660CCV2               1      NO MANUAL INTEGRATION
--------------------------------------------------------------------------------------------------------------------------------------------------------------------
1515  01112319ECD7.D BKL0612-BLK1               1      NO MANUAL INTEGRATION
--------------------------------------------------------------------------------------------------------------------------------------------------------------------
1536  01112320ECD7.D BKL0612-BS1               1      NO MANUAL INTEGRATION
--------------------------------------------------------------------------------------------------------------------------------------------------------------------
1557  01112321ECD7.D BKL0612-BSD1               1      NO MANUAL INTEGRATION
--------------------------------------------------------------------------------------------------------------------------------------------------------------------
1618  01112322ECD7.D 22L416-01                1      NO MANUAL INTEGRATION
--------------------------------------------------------------------------------------------------------------------------------------------------------------------
1639  01112323ECD7.D 22L416-61                1      NO MANUAL INTEGRATION
--------------------------------------------------------------------------------------------------------------------------------------------------------------------
1700  01112324ECD7.D BKL0612-MS1               1      NO MANUAL INTEGRATION
--------------------------------------------------------------------------------------------------------------------------------------------------------------------
1721  01112325ECD7.D BKL0612-MSD1               1      NO MANUAL INTEGRATION
--------------------------------------------------------------------------------------------------------------------------------------------------------------------
1742  01112326ECD7.D 22L416-69                1      NO MANUAL INTEGRATION
--------------------------------------------------------------------------------------------------------------------------------------------------------------------
1803  01112327ECD7.D 22L416-82                1      NO MANUAL INTEGRATION
--------------------------------------------------------------------------------------------------------------------------------------------------------------------
1824  01112328ECD7.D AR1242CCV3               1      NO MANUAL INTEGRATION
--------------------------------------------------------------------------------------------------------------------------------------------------------------------
1846  01112329ECD7.D AR1660CCV4               1      NO MANUAL INTEGRATION
--------------------------------------------------------------------------------------------------------------------------------------------------------------------
1907  01112330ECD7.D BLA0063-BLK1               1      NO MANUAL INTEGRATION
--------------------------------------------------------------------------------------------------------------------------------------------------------------------
1928  01112331ECD7.D BLA0063-BS1               1      NO MANUAL INTEGRATION
--------------------------------------------------------------------------------------------------------------------------------------------------------------------
```

MANUAL INTEGRATION SUMMARY FOR DATABATCH - \\target\share\chem4\ecd7.i\230111.b\230111.b

```
    Time   Filename    LabID     ClientId       DF    Manually Integrated Compounds
------------------------------------------------------------------------------------------------------------------------------------------------------------------
1949  01112332ECD7.D BLA0063-BSD1              1      NO MANUAL INTEGRATION
------------------------------------------------------------------------------------------------------------------------------------------------------------------
2010  01112333ECD7.D BLA0063-SRM1              1      NO MANUAL INTEGRATION
------------------------------------------------------------------------------------------------------------------------------------------------------------------
2031  01112334ECD7.D 22L0383-01              1    Aroclor-1248 [2C],
------------------------------------------------------------------------------------------------------------------------------------------------------------------
2052  01112335ECD7.D 22L0383-02              1    Aroclor-1248 [2C],
------------------------------------------------------------------------------------------------------------------------------------------------------------------
2113  01112336ECD7.D 22L0383-03              1    Aroclor-1248 [2C],
------------------------------------------------------------------------------------------------------------------------------------------------------------------
2134  01112337ECD7.D BLA0063-MS1              1      NO MANUAL INTEGRATION
------------------------------------------------------------------------------------------------------------------------------------------------------------------
2155  01112338ECD7.D BLA0063-MSD1              1      NO MANUAL INTEGRATION
------------------------------------------------------------------------------------------------------------------------------------------------------------------
2216  01112339ECD7.D 22L0383-04              1      NO MANUAL INTEGRATION
------------------------------------------------------------------------------------------------------------------------------------------------------------------
2237  01112340ECD7.D 22L0383-05              1    Aroclor-1248 [2C],
------------------------------------------------------------------------------------------------------------------------------------------------------------------
2258  01112341ECD7.D 22L0383-06              1    Aroclor-1248 [2C],
------------------------------------------------------------------------------------------------------------------------------------------------------------------
2319  01112342ECD7.D 22L0383-07              1    Aroclor-1248 [2C],
------------------------------------------------------------------------------------------------------------------------------------------------------------------
2340  01112343ECD7.D 22L0383-08              1    Aroclor-1248 [2C],
------------------------------------------------------------------------------------------------------------------------------------------------------------------
0001  01112344ECD7.D 22L0417-01              1      NO MANUAL INTEGRATION
------------------------------------------------------------------------------------------------------------------------------------------------------------------
0022  01112345ECD7.D 22L0417-02              1      NO MANUAL INTEGRATION
------------------------------------------------------------------------------------------------------------------------------------------------------------------
0043  01112346ECD7.D AR1254CCV5              1      NO MANUAL INTEGRATION
------------------------------------------------------------------------------------------------------------------------------------------------------------------
0104  01112347ECD7.D AR1660CCV6              1      NO MANUAL INTEGRATION
------------------------------------------------------------------------------------------------------------------------------------------------------------------
0125  01112348ECD7.D 22L0417-03              1    Aroclor-1248 [2C],
------------------------------------------------------------------------------------------------------------------------------------------------------------------
0146  01112349ECD7.D 22L0417-04              1    Aroclor-1248 [2C],
------------------------------------------------------------------------------------------------------------------------------------------------------------------
```

MANUAL INTEGRATION SUMMARY FOR DATABATCH - \\target\share\chem4\ecd7.i\230111.b\230111.b

```
    Time   Filename    LabID     ClientId       DF    Manually Integrated Compounds
--------------------------------------------------------------------------------------------------------------------------------------------------------------------
0208  01112350ECD7.D 22L0417-05               1    Aroclor-1248 [2C],
--------------------------------------------------------------------------------------------------------------------------------------------------------------------
0229  01112351ECD7.D 22L0417-06               1    Aroclor-1248 [2C],
--------------------------------------------------------------------------------------------------------------------------------------------------------------------
0250  01112352ECD7.D 22L0417-07               1    Aroclor-1248 [2C],
--------------------------------------------------------------------------------------------------------------------------------------------------------------------
0311  01112353ECD7.D 22L0417-08               1      NO MANUAL INTEGRATION
--------------------------------------------------------------------------------------------------------------------------------------------------------------------
0332  01112354ECD7.D 22L0417-09               1    Aroclor-1248 [2C],
--------------------------------------------------------------------------------------------------------------------------------------------------------------------
0353  01112355ECD7.D BLA0202-BLK1               1      NO MANUAL INTEGRATION
--------------------------------------------------------------------------------------------------------------------------------------------------------------------
0414  01112356ECD7.D BLA0202-BS1               1      NO MANUAL INTEGRATION
--------------------------------------------------------------------------------------------------------------------------------------------------------------------
0435  01112357ECD7.D BLA0202-BSD1               1      NO MANUAL INTEGRATION
--------------------------------------------------------------------------------------------------------------------------------------------------------------------
0456  01112358ECD7.D 23A0127-01               1      NO MANUAL INTEGRATION
--------------------------------------------------------------------------------------------------------------------------------------------------------------------
0517  01112359ECD7.D AR1248CCV7               1      NO MANUAL INTEGRATION
--------------------------------------------------------------------------------------------------------------------------------------------------------------------
0538  01112360ECD7.D AR1660CCV8               1      NO MANUAL INTEGRATION
--------------------------------------------------------------------------------------------------------------------------------------------------------------------
0559  01112361ECD7.D 22L0307-30RE1               5    Aroclor-1248 [2C],
--------------------------------------------------------------------------------------------------------------------------------------------------------------------
0620  01112362ECD7.D 22L0307-37RE1               5    Aroclor-1248 [2C],
--------------------------------------------------------------------------------------------------------------------------------------------------------------------
0641  01112363ECD7.D 22L0307-62RE1               5    Aroclor-1248 [2C],
--------------------------------------------------------------------------------------------------------------------------------------------------------------------
0702  01112364ECD7.D 22L0307-64RE1               5    Aroclor-1248 [2C],
--------------------------------------------------------------------------------------------------------------------------------------------------------------------
0723  01112365ECD7.D 22L0329-28RE1               5    Aroclor-1248 [2C],
--------------------------------------------------------------------------------------------------------------------------------------------------------------------
0745  01112366ECD7.D 22L0329-31RE1               5    Aroclor-1248 [2C],
--------------------------------------------------------------------------------------------------------------------------------------------------------------------
0806  01112367ECD7.D BKL0732-BLK1               1      NO MANUAL INTEGRATION
--------------------------------------------------------------------------------------------------------------------------------------------------------------------
```

MANUAL INTEGRATION SUMMARY FOR DATABATCH - \\target\share\chem4\ecd7.i\230111.b\230111.b

```
    Time   Filename    LabID     ClientId       DF    Manually Integrated Compounds
--------------------------------------------------------------------------------------------------------------------------------------------------------------------
0827  01112368ECD7.D BKL0732-BS1               1      NO MANUAL INTEGRATION
--------------------------------------------------------------------------------------------------------------------------------------------------------------------
0848  01112369ECD7.D BKL0732-BSD1               1      NO MANUAL INTEGRATION
--------------------------------------------------------------------------------------------------------------------------------------------------------------------
0909  01112370ECD7.D 22L0642-01               1      NO MANUAL INTEGRATION
--------------------------------------------------------------------------------------------------------------------------------------------------------------------
0930  01112371ECD7.D 22L0642-03               1      NO MANUAL INTEGRATION
--------------------------------------------------------------------------------------------------------------------------------------------------------------------
0951  01112372ECD7.D 22L0642-05               1      NO MANUAL INTEGRATION
--------------------------------------------------------------------------------------------------------------------------------------------------------------------
1012  01112373ECD7.D 22L0642-07               1      NO MANUAL INTEGRATION
--------------------------------------------------------------------------------------------------------------------------------------------------------------------
1033  01112374ECD7.D AR1242CCV9               1      NO MANUAL INTEGRATION
--------------------------------------------------------------------------------------------------------------------------------------------------------------------
1054  01112375ECD7.D AR1660CCVA               1      NO MANUAL INTEGRATION
--------------------------------------------------------------------------------------------------------------------------------------------------------------------
1115  01112376ECD7.D DCMRINSE                 1      NO MANUAL INTEGRATION
--------------------------------------------------------------------------------------------------------------------------------------------------------------------
```

```
Security Status Report

Date: 14-Jan-2023 14:00

+-------------------------+---------------------------+----------------------------------------+
|           01112301ECD7.D|                Data Locked|             richardl, 14-Jan-2023 10:39|
|           01112302ECD7.D|                Data Locked|             richardl, 14-Jan-2023 10:39|
|           01112303ECD7.D|                Data Locked|             richardl, 14-Jan-2023 10:39|
|           01112304ECD7.D|                Data Locked|             richardl, 14-Jan-2023 10:39|
|           01112305ECD7.D|                Data Locked|             richardl, 14-Jan-2023 10:39|
|           01112306ECD7.D|                Data Locked|             richardl, 14-Jan-2023 10:39|
|           01112307ECD7.D|                Data Locked|             richardl, 14-Jan-2023 10:39|
|           01112308ECD7.D|                Data Locked|             richardl, 14-Jan-2023 10:39|
|           01112309ECD7.D|                Data Locked|             richardl, 14-Jan-2023 10:39|
|           01112310ECD7.D|                Data Locked|             richardl, 14-Jan-2023 10:39|
|           01112311ECD7.D|                Data Locked|             richardl, 14-Jan-2023 10:39|
|           01112312ECD7.D|                Data Locked|             richardl, 14-Jan-2023 10:39|
|           01112313ECD7.D|                Data Locked|             richardl, 14-Jan-2023 10:39|
|           01112314ECD7.D|                Data Locked|             richardl, 14-Jan-2023 10:39|
|           01112315ECD7.D|                Data Locked|             richardl, 14-Jan-2023 10:39|
|           01112316ECD7.D|                Data Locked|             richardl, 14-Jan-2023 10:39|
|           01112317ECD7.D|                Data Locked|             richardl, 14-Jan-2023 10:39|
|           01112318ECD7.D|                Data Locked|             richardl, 14-Jan-2023 10:39|
|           01112319ECD7.D|                Data Locked|             richardl, 14-Jan-2023 10:39|
|           01112320ECD7.D|                Data Locked|             richardl, 14-Jan-2023 10:39|
|           01112321ECD7.D|                Data Locked|             richardl, 14-Jan-2023 10:39|
|           01112322ECD7.D|                Data Locked|             richardl, 14-Jan-2023 10:39|
|           01112323ECD7.D|                Data Locked|             richardl, 14-Jan-2023 10:39|
|           01112324ECD7.D|                Data Locked|             richardl, 14-Jan-2023 10:39|
|           01112325ECD7.D|                Data Locked|             richardl, 14-Jan-2023 10:39|
|           01112326ECD7.D|                Data Locked|             richardl, 14-Jan-2023 10:39|
|           01112327ECD7.D|                Data Locked|             richardl, 14-Jan-2023 10:39|
|           01112328ECD7.D|                Data Locked|             richardl, 14-Jan-2023 10:39|
|           01112329ECD7.D|                Data Locked|             richardl, 14-Jan-2023 10:39|
|           01112330ECD7.D|                Data Locked|             richardl, 14-Jan-2023 14:00|
|           01112331ECD7.D|                Data Locked|             richardl, 14-Jan-2023 14:00|
|           01112332ECD7.D|                Data Locked|             richardl, 14-Jan-2023 14:00|
|           01112333ECD7.D|                Data Locked|             richardl, 14-Jan-2023 14:00|
|           01112334ECD7.D|                Data Locked|             richardl, 14-Jan-2023 14:00|
|           01112335ECD7.D|                Data Locked|             richardl, 14-Jan-2023 14:00|
|           01112336ECD7.D|                Data Locked|             richardl, 14-Jan-2023 14:00|
|           01112337ECD7.D|                Data Locked|             richardl, 14-Jan-2023 14:00|
|           01112338ECD7.D|                Data Locked|             richardl, 14-Jan-2023 14:00|
|           01112339ECD7.D|                Data Locked|             richardl, 14-Jan-2023 14:00|
|           01112340ECD7.D|                Data Locked|             richardl, 14-Jan-2023 14:00|
|           01112341ECD7.D|                Data Locked|             richardl, 14-Jan-2023 14:00|
|           01112342ECD7.D|                Data Locked|             richardl, 14-Jan-2023 14:00|
|           01112343ECD7.D|                Data Locked|             richardl, 14-Jan-2023 14:00|
|           01112344ECD7.D|                Data Locked|             richardl, 14-Jan-2023 14:00|
```

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|           01112345ECD7.D|                Data Locked|              richardl, 14-Jan-2023 14:00|
|           01112346ECD7.D|                Data Locked|              richardl, 14-Jan-2023 14:00|
|           01112347ECD7.D|                Data Locked|              richardl, 14-Jan-2023 14:00|
|           01112348ECD7.D|                Data Locked|              richardl, 14-Jan-2023 14:00|
|           01112349ECD7.D|                Data Locked|              richardl, 14-Jan-2023 14:00|
|           01112350ECD7.D|                Data Locked|              richardl, 14-Jan-2023 14:00|
|           01112351ECD7.D|                Data Locked|              richardl, 14-Jan-2023 14:00|
|           01112352ECD7.D|                Data Locked|              richardl, 14-Jan-2023 14:00|
|           01112353ECD7.D|                Data Locked|              richardl, 14-Jan-2023 14:00|
|           01112354ECD7.D|                Data Locked|              richardl, 14-Jan-2023 14:00|
|           01112355ECD7.D|                Data Locked|              richardl, 14-Jan-2023 14:00|
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|           01112357ECD7.D|                Data Locked|              richardl, 14-Jan-2023 14:00|
|           01112358ECD7.D|                Data Locked|              richardl, 14-Jan-2023 14:00|
|           01112359ECD7.D|                Data Locked|              richardl, 14-Jan-2023 14:00|
|           01112360ECD7.D|                Data Locked|              richardl, 14-Jan-2023 14:00|
|           01112361ECD7.D|                Data Locked|              richardl, 14-Jan-2023 14:00|
|           01112362ECD7.D|                Data Locked|              richardl, 14-Jan-2023 14:00|
|           01112363ECD7.D|                Data Locked|              richardl, 14-Jan-2023 14:00|
|           01112364ECD7.D|                Data Locked|              richardl, 14-Jan-2023 14:00|
|           01112365ECD7.D|                Data Locked|              richardl, 14-Jan-2023 14:00|
|           01112366ECD7.D|                Data Locked|              richardl, 14-Jan-2023 14:00|
|           01112367ECD7.D|                Data Locked|              richardl, 14-Jan-2023 14:00|
|           01112368ECD7.D|                Data Locked|              richardl, 14-Jan-2023 14:00|
|           01112369ECD7.D|                Data Locked|              richardl, 14-Jan-2023 14:00|
|           01112370ECD7.D|                Data Locked|              richardl, 14-Jan-2023 14:00|
|           01112371ECD7.D|                Data Locked|              richardl, 14-Jan-2023 14:00|
|           01112372ECD7.D|                Data Locked|              richardl, 14-Jan-2023 14:00|
|           01112373ECD7.D|                Data Locked|              richardl, 14-Jan-2023 14:00|
|           01112374ECD7.D|                Data Locked|              richardl, 14-Jan-2023 14:00|
|           01112375ECD7.D|                Data Locked|              richardl, 14-Jan-2023 14:00|
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```

Dual Column

ANALYSIS BATCH (SEQUENCE) SUMMARY

EPA 8082A

Laboratory:	Analytical Resources, LLC	SDG:	22L0307
Client:	Anchor QEA, LLC	Project:	AOC4 UR Phase 3
Sequence:	SLA0156	Instrument:	ECD7
		Calibration:	FL00010

Sample Name	Lab Sample ID	Column 1 File ID	Column 2 File ID	Matrix	Analysis Date/Time
Initial Cal Check	SLA0156-ICV1	01102302ECD7.D	01102302ECD7.D	NA	01/10/23 16:50
Initial Cal Check	SLA0156-ICV2	01102303ECD7.D	01102303ECD7.D	NA	01/10/23 17:11
Calibration Check	SLA0156-CCV1	01102319ECD7.D	01102319ECD7.D	NA	01/10/23 22:48
Calibration Check	SLA0156-CCV2	01102320ECD7.D	01102320ECD7.D	NA	01/10/23 23:09
LDW22-SC800F	22L0307-57	01102323ECD7.D	01102323ECD7.D	Solid	01/11/23 00:13
LDW22-SC783B	22L0307-60	01102324ECD7.D	01102324ECD7.D	Solid	01/11/23 00:34
Calibration Check	SLA0156-CCV3	01102325ECD7.D	01102325ECD7.D	NA	01/11/23 00:55
Calibration Check	SLA0156-CCV4	01102326ECD7.D	01102326ECD7.D	NA	01/11/23 01:16
Calibration Check	SLA0156-CCV5	01102341ECD7.D	01102341ECD7.D	NA	01/11/23 06:32
Calibration Check	SLA0156-CCV6	01102342ECD7.D	01102342ECD7.D	NA	01/11/23 06:53

ANALYSIS SEQUENCE

SLA0156

Instrument: ECD7
Calibration ID: FL00010

Printed: 1/13/2023 2:28:54PM

Lab Number	Analysis	Container	Order	Position	STD ID	ISTD ID	Client	Comments
SLA0156-ICV1	QC		1		K006957	K006953		
SLA0156-ICV2	QC		2		K006954	K006953		
BKL0613-BLK1	QC		3			K006953		
BKL0613-BS1	QC		4			K006953		
BKL0613-BSD1	QC		5			K006953		
BKL0613-SRM1	QC		6			K006953		
BKL0613-MS1	QC		7			K006953		
BKL0613-MSD1	QC		8			K006953		
BKL0613-MS2	QC		9			K006953		
BKL0613-MSD2	QC		10			K006953		
22L0473-01	8082A PCB Solid 4	A 02	11			K006953	Anchor QEA, LLC	
22L0473-02	8082A PCB Solid 4	A 02	12			K006953	Anchor QEA, LLC	
22L0473-04	8082A PCB Solid 4	A 02	13			K006953	Anchor QEA, LLC	
22L0492-12	8082A PCB Solid 4	A 01	14			K006953	Windward Environmental, LLC	
22L0492-14	8082A PCB Solid 4	A 01	15			K006953	Windward Environmental, LLC	
22L0492-17	8082A PCB Solid 4	A 01	16			K006953	Windward Environmental, LLC	
22L0492-18	8082A PCB Solid 4	A 01	17			K006953	Windward Environmental, LLC	
SLA0156-CCV1	QC		18		K006956	K006953		
SLA0156-CCV2	QC		19		K006954	K006953		
22L0329-12	8082A PCB Solid 4	B 01	20			K006953	Anchor QEA, LLC	
22L0329-13	8082A PCB Solid 4	B 01	21			K006953	Anchor QEA, LLC	

Samples Loaded By Date

Data Processed By Date

ANALYSIS SEQUENCE

SLA0156

Instrument: ECD7
Calibration ID: FL00010

Printed: 1/13/2023 2:28:54PM

Lab Number	Analysis	Container	Order	Position	STD ID	ISTD ID	Client	Comments
22L0307-57	8082A PCB Solid 4	B 01	22			K006953	Anchor QEA, LLC	
22L0307-60	8082A PCB Solid 4	B 01	23			K006953	Anchor QEA, LLC	
SLA0156-CCV3	QC		24		K006955	K006953		
SLA0156-CCV4	QC		25		K006954	K006953		
BKL0730-BLK1	QC		26			K006953		
BKL0730-BS1	QC		27			K006953		
BKL0730-BSD1	QC		28			K006953		
BKL0730-SRM1	QC		29			K006953		
22L0329-41	8082A PCB Solid 4	B 01	30			K006953	Anchor QEA, LLC	
22L0329-42	8082A PCB Solid 4	B 01	31			K006953	Anchor QEA, LLC	
22L0329-43	8082A PCB Solid 4	B 01	32			K006953	Anchor QEA, LLC	
22L0329-44	8082A PCB Solid 4	B 01	33			K006953	Anchor QEA, LLC	
BKL0730-MS1	QC		34			K006953		
BKL0730-MSD1	QC		35			K006953		
22L0329-45	8082A PCB Solid 4	B 01	36			K006953	Anchor QEA, LLC	
22L0329-46	8082A PCB Solid 4	B 01	37			K006953	Anchor QEA, LLC	
22L0329-47	8082A PCB Solid 4	B 01	38			K006953	Anchor QEA, LLC	
22L0329-48	8082A PCB Solid 4	B 01	39			K006953	Anchor QEA, LLC	
SLA0156-CCV5	QC		40		K006957	K006953		
SLA0156-CCV6	QC		41		K006954	K006953		

Samples Loaded By ____________________ Date ____________

Data Processed By ____________________ Date ____________

Analytical Resources, LLC
Analytical Chemists and Consultants

ANALYSIS SEQUENCE

SLA0156

Instrument: ECD7
Calibration ID: FL00010

Printed: 1/13/2023 2:28:54PM

Lab Number	Analysis	Container	Order	Position	STD ID	ISTD ID	Client	Comments

Samples Loaded By Date

Data Processed By Date

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GC LOG SUMMARY FOR DATABATCH - \\target\share\chem4\ecd7.i\230110.b

    Inject Date/Time    Filename     DF  LabID         ClientID
------------------------------------------------------------------
 1  10-JAN-2023 16:29  01102301.D   1  DDTS
 2  10-JAN-2023 16:50  01102302.D   1  AR1254ICV1
 3  10-JAN-2023 17:11  01102303.D   1  AR1660ICV2
 4  10-JAN-2023 17:32  01102304.D   1  BKL0613-BLK1
 5  10-JAN-2023 17:53  01102305.D   1  BKL0613-BS1
 6  10-JAN-2023 18:14  01102306.D   1  BKL0613-BSD1
 7  10-JAN-2023 18:35  01102307.D   1  BKL0613-SRM1
 8  10-JAN-2023 18:56  01102308.D   1  BKL0613-MS1
 9  10-JAN-2023 19:18  01102309.D   1  BKL0613-MSD1
10  10-JAN-2023 19:39  01102310.D   1  BKL0613-MS2
11  10-JAN-2023 20:00  01102311.D   1  BKL0613-MSD2
12  10-JAN-2023 20:21  01102312.D   1  22L0473-01
13  10-JAN-2023 20:42  01102313.D   1  22L0473-02
14  10-JAN-2023 21:03  01102314.D   1  22L0473-04
15  10-JAN-2023 21:24  01102315.D   1  22L0492-12
16  10-JAN-2023 21:45  01102316.D   1  22L0492-14
17  10-JAN-2023 22:06  01102317.D   1  22L0492-17
18  10-JAN-2023 22:27  01102318.D   1  22L0492-18
19  10-JAN-2023 22:48  01102319.D   1  AR1248CCV1
20  10-JAN-2023 23:09  01102320.D   1  AR1660CCV2
21  10-JAN-2023 23:31  01102321.D   5  22L0329-12RE1
22  10-JAN-2023 23:52  01102322.D 100  22L0329-13RE
23  11-JAN-2023 00:13  01102323.D   5  22L0329-57RE1
24  11-JAN-2023 00:34  01102324.D   5  22L0329-60RE1
25  11-JAN-2023 00:55  01102325.D   1  AR1242CCV3
26  11-JAN-2023 01:16  01102326.D   1  AR1660CCV4
27  11-JAN-2023 01:37  01102327.D   1  BKL0730-BLK1
28  11-JAN-2023 01:58  01102328.D   1  BKL0730-BS1
29  11-JAN-2023 02:19  01102329.D   1  BKL0730-BSD1
30  11-JAN-2023 02:40  01102330.D   1  BKL0730-SRM1
31  11-JAN-2023 03:01  01102331.D   1  22L0329-41
32  11-JAN-2023 03:22  01102332.D   1  22L0329-42
33  11-JAN-2023 03:44  01102333.D   1  22L0329-43
34  11-JAN-2023 04:05  01102334.D   1  22L0329-44
35  11-JAN-2023 04:26  01102335.D   1  BKL0730-MS1
36  11-JAN-2023 04:47  01102336.D   1  BKL0730-MSD1
37  11-JAN-2023 05:08  01102337.D   1  22L0329-45
38  11-JAN-2023 05:29  01102338.D   1  22L0329-46
39  11-JAN-2023 05:50  01102339.D   1  22L0329-47
40  11-JAN-2023 06:11  01102340.D   1  22L0329-48
41  11-JAN-2023 06:32  01102341.D   1  AR1254CCV5
42  11-JAN-2023 06:53  01102342.D   1  AR1660CCV6
43  11-JAN-2023 07:14  01102343.D   1  DCMRINSE
44  11-JAN-2023 07:35  01102344.D   1  DCMRINSE
45  11-JAN-2023 07:56  01102345.D   1  DCMRINSE
```

MANUAL INTEGRATION SUMMARY FOR DATABATCH - \\target\share\chem4\ecd7.i\230110.b

ARI Job No.: DDTS   Method: PCB.m   Instrument: ecd7.i   Date: 10-JAN-2023

```
Time  Filename    LabID     ClientId      DF    Manually Integrated Compounds
-----------------------------------------------------------------------------------------------------------------------------------------------------------------------
1629  01102301ECD7.D DDTS                     1      NO MANUAL INTEGRATION
-----------------------------------------------------------------------------------------------------------------------------------------------------------------------
1650  01102302ECD7.D AR1254ICV1               1      NO MANUAL INTEGRATION
-----------------------------------------------------------------------------------------------------------------------------------------------------------------------
1711  01102303ECD7.D AR1660ICV2               1      NO MANUAL INTEGRATION
-----------------------------------------------------------------------------------------------------------------------------------------------------------------------
1732  01102304ECD7.D BKL0613-BLK1               1      NO MANUAL INTEGRATION
-----------------------------------------------------------------------------------------------------------------------------------------------------------------------
1753  01102305ECD7.D BKL0613-BS1               1      NO MANUAL INTEGRATION
-----------------------------------------------------------------------------------------------------------------------------------------------------------------------
1814  01102306ECD7.D BKL0613-BSD1               1      NO MANUAL INTEGRATION
-----------------------------------------------------------------------------------------------------------------------------------------------------------------------
1835  01102307ECD7.D BKL0613-SRM1               1      NO MANUAL INTEGRATION
-----------------------------------------------------------------------------------------------------------------------------------------------------------------------
1856  01102308ECD7.D BKL0613-MS1               1      NO MANUAL INTEGRATION
-----------------------------------------------------------------------------------------------------------------------------------------------------------------------
1918  01102309ECD7.D BKL0613-MSD1               1      NO MANUAL INTEGRATION
-----------------------------------------------------------------------------------------------------------------------------------------------------------------------
1939  01102310ECD7.D BKL0613-MS2               1      NO MANUAL INTEGRATION
-----------------------------------------------------------------------------------------------------------------------------------------------------------------------
2000  01102311ECD7.D BKL0613-MSD2               1      NO MANUAL INTEGRATION
-----------------------------------------------------------------------------------------------------------------------------------------------------------------------
2021  01102312ECD7.D 22L0473-01               1    Aroclor-1260,
-----------------------------------------------------------------------------------------------------------------------------------------------------------------------
2042  01102313ECD7.D 22L0473-02               1    Aroclor-1254,
-----------------------------------------------------------------------------------------------------------------------------------------------------------------------
2103  01102314ECD7.D 22L0473-04               1    Aroclor-1254,
-----------------------------------------------------------------------------------------------------------------------------------------------------------------------
2124  01102315ECD7.D 22L0492-12               1      NO MANUAL INTEGRATION
-----------------------------------------------------------------------------------------------------------------------------------------------------------------------
2145  01102316ECD7.D 22L0492-14               1      NO MANUAL INTEGRATION
-----------------------------------------------------------------------------------------------------------------------------------------------------------------------
2206  01102317ECD7.D 22L0492-17               1      NO MANUAL INTEGRATION
-----------------------------------------------------------------------------------------------------------------------------------------------------------------------
```

MANUAL INTEGRATION SUMMARY FOR DATABATCH - \\target\share\chem4\ecd7.i\230110.b

```
    Time   Filename    LabID     ClientId       DF    Manually Integrated Compounds
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2227  01102318ECD7.D 22L0492-18               1      NO MANUAL INTEGRATION
--------------------------------------------------------------------------------------------------------------------------------------------------------------------
2248  01102319ECD7.D AR1248CCV1               1      NO MANUAL INTEGRATION
--------------------------------------------------------------------------------------------------------------------------------------------------------------------
2309  01102320ECD7.D AR1660CCV2               1      NO MANUAL INTEGRATION
--------------------------------------------------------------------------------------------------------------------------------------------------------------------
2331  01102321ECD7.D 22L0329-12RE1               5      NO MANUAL INTEGRATION
--------------------------------------------------------------------------------------------------------------------------------------------------------------------
2352  01102322ECD7.D 22L0329-13RE             100    Aroclor-1254, Aroclor-1260,
--------------------------------------------------------------------------------------------------------------------------------------------------------------------
0013  01102323ECD7.D 22L0329-57RE1               5    Aroclor-1254,
--------------------------------------------------------------------------------------------------------------------------------------------------------------------
0034  01102324ECD7.D 22L0329-60RE1               5      NO MANUAL INTEGRATION
--------------------------------------------------------------------------------------------------------------------------------------------------------------------
0055  01102325ECD7.D AR1242CCV3               1      NO MANUAL INTEGRATION
--------------------------------------------------------------------------------------------------------------------------------------------------------------------
0116  01102326ECD7.D AR1660CCV4               1      NO MANUAL INTEGRATION
--------------------------------------------------------------------------------------------------------------------------------------------------------------------
0137  01102327ECD7.D BKL0730-BLK1               1      NO MANUAL INTEGRATION
--------------------------------------------------------------------------------------------------------------------------------------------------------------------
0158  01102328ECD7.D BKL0730-BS1               1      NO MANUAL INTEGRATION
--------------------------------------------------------------------------------------------------------------------------------------------------------------------
0219  01102329ECD7.D BKL0730-BSD1               1      NO MANUAL INTEGRATION
--------------------------------------------------------------------------------------------------------------------------------------------------------------------
0240  01102330ECD7.D BKL0730-SRM1               1      NO MANUAL INTEGRATION
--------------------------------------------------------------------------------------------------------------------------------------------------------------------
0301  01102331ECD7.D 22L0329-41               1    Aroclor-1254,
--------------------------------------------------------------------------------------------------------------------------------------------------------------------
0322  01102332ECD7.D 22L0329-42               1    Aroclor-1254,
--------------------------------------------------------------------------------------------------------------------------------------------------------------------
0344  01102333ECD7.D 22L0329-43               1      NO MANUAL INTEGRATION
--------------------------------------------------------------------------------------------------------------------------------------------------------------------
0405  01102334ECD7.D 22L0329-44               1      NO MANUAL INTEGRATION
--------------------------------------------------------------------------------------------------------------------------------------------------------------------
0426  01102335ECD7.D BKL0730-MS1               1      NO MANUAL INTEGRATION
--------------------------------------------------------------------------------------------------------------------------------------------------------------------
```

MANUAL INTEGRATION SUMMARY FOR DATABATCH - \\target\share\chem4\ecd7.i\230110.b

```
    Time   Filename    LabID     ClientId       DF    Manually Integrated Compounds
--------------------------------------------------------------------------------------------------------------------------------------------------------------------
0447  01102336ECD7.D BKL0730-MSD1               1      NO MANUAL INTEGRATION
--------------------------------------------------------------------------------------------------------------------------------------------------------------------
0508  01102337ECD7.D 22L0329-45               1      NO MANUAL INTEGRATION
--------------------------------------------------------------------------------------------------------------------------------------------------------------------
0529  01102338ECD7.D 22L0329-46               1      NO MANUAL INTEGRATION
--------------------------------------------------------------------------------------------------------------------------------------------------------------------
0550  01102339ECD7.D 22L0329-47               1      NO MANUAL INTEGRATION
--------------------------------------------------------------------------------------------------------------------------------------------------------------------
0611  01102340ECD7.D 22L0329-48               1      NO MANUAL INTEGRATION
--------------------------------------------------------------------------------------------------------------------------------------------------------------------
0632  01102341ECD7.D AR1254CCV5               1      NO MANUAL INTEGRATION
--------------------------------------------------------------------------------------------------------------------------------------------------------------------
0653  01102342ECD7.D AR1660CCV6               1      NO MANUAL INTEGRATION
--------------------------------------------------------------------------------------------------------------------------------------------------------------------
0714  01102343ECD7.D DCMRINSE                 1      NO MANUAL INTEGRATION
--------------------------------------------------------------------------------------------------------------------------------------------------------------------
0735  01102344ECD7.D DCMRINSE                 1      NO MANUAL INTEGRATION
--------------------------------------------------------------------------------------------------------------------------------------------------------------------
0756  01102345ECD7.D DCMRINSE                 1      NO MANUAL INTEGRATION
--------------------------------------------------------------------------------------------------------------------------------------------------------------------
1629  01102301ECD7.D DDTS                     1      NO MANUAL INTEGRATION
--------------------------------------------------------------------------------------------------------------------------------------------------------------------
1650  01102302ECD7.D AR1254ICV1               1      NO MANUAL INTEGRATION
--------------------------------------------------------------------------------------------------------------------------------------------------------------------
1711  01102303ECD7.D AR1660ICV2               1      NO MANUAL INTEGRATION
--------------------------------------------------------------------------------------------------------------------------------------------------------------------
1732  01102304ECD7.D BKL0613-BLK1               1      NO MANUAL INTEGRATION
--------------------------------------------------------------------------------------------------------------------------------------------------------------------
1753  01102305ECD7.D BKL0613-BS1               1      NO MANUAL INTEGRATION
--------------------------------------------------------------------------------------------------------------------------------------------------------------------
1814  01102306ECD7.D BKL0613-BSD1               1      NO MANUAL INTEGRATION
--------------------------------------------------------------------------------------------------------------------------------------------------------------------
1835  01102307ECD7.D BKL0613-SRM1               1      NO MANUAL INTEGRATION
--------------------------------------------------------------------------------------------------------------------------------------------------------------------
1856  01102308ECD7.D BKL0613-MS1               1      NO MANUAL INTEGRATION
--------------------------------------------------------------------------------------------------------------------------------------------------------------------
```

MANUAL INTEGRATION SUMMARY FOR DATABATCH - \\target\share\chem4\ecd7.i\230110.b\230110.b

```
    Time   Filename    LabID     ClientId       DF    Manually Integrated Compounds
--------------------------------------------------------------------------------------------------------------------------------------------------------------------
1918  01102309ECD7.D BKL0613-MSD1               1      NO MANUAL INTEGRATION
--------------------------------------------------------------------------------------------------------------------------------------------------------------------
1939  01102310ECD7.D BKL0613-MS2               1      NO MANUAL INTEGRATION
--------------------------------------------------------------------------------------------------------------------------------------------------------------------
2000  01102311ECD7.D BKL0613-MSD2               1      NO MANUAL INTEGRATION
--------------------------------------------------------------------------------------------------------------------------------------------------------------------
2021  01102312ECD7.D 22L0473-01               1      NO MANUAL INTEGRATION
--------------------------------------------------------------------------------------------------------------------------------------------------------------------
2042  01102313ECD7.D 22L0473-02               1      NO MANUAL INTEGRATION
--------------------------------------------------------------------------------------------------------------------------------------------------------------------
2103  01102314ECD7.D 22L0473-04               1      NO MANUAL INTEGRATION
--------------------------------------------------------------------------------------------------------------------------------------------------------------------
2124  01102315ECD7.D 22L0492-12               1      NO MANUAL INTEGRATION
--------------------------------------------------------------------------------------------------------------------------------------------------------------------
2145  01102316ECD7.D 22L0492-14               1      NO MANUAL INTEGRATION
--------------------------------------------------------------------------------------------------------------------------------------------------------------------
2206  01102317ECD7.D 22L0492-17               1    Aroclor-1254 [2C],
--------------------------------------------------------------------------------------------------------------------------------------------------------------------
2227  01102318ECD7.D 22L0492-18               1      NO MANUAL INTEGRATION
--------------------------------------------------------------------------------------------------------------------------------------------------------------------
2248  01102319ECD7.D AR1248CCV1               1      NO MANUAL INTEGRATION
--------------------------------------------------------------------------------------------------------------------------------------------------------------------
2309  01102320ECD7.D AR1660CCV2               1      NO MANUAL INTEGRATION
--------------------------------------------------------------------------------------------------------------------------------------------------------------------
2331  01102321ECD7.D 22L0329-12RE1               5    Aroclor-1248 [2C],
--------------------------------------------------------------------------------------------------------------------------------------------------------------------
2352  01102322ECD7.D 22L0329-13RE             100      NO MANUAL INTEGRATION
--------------------------------------------------------------------------------------------------------------------------------------------------------------------
0013  01102323ECD7.D 22L0329-57RE1               5      NO MANUAL INTEGRATION
--------------------------------------------------------------------------------------------------------------------------------------------------------------------
0034  01102324ECD7.D 22L0329-60RE1               5    Aroclor-1248 [2C],
--------------------------------------------------------------------------------------------------------------------------------------------------------------------
0055  01102325ECD7.D AR1242CCV3               1      NO MANUAL INTEGRATION
--------------------------------------------------------------------------------------------------------------------------------------------------------------------
0116  01102326ECD7.D AR1660CCV4               1      NO MANUAL INTEGRATION
--------------------------------------------------------------------------------------------------------------------------------------------------------------------
```

MANUAL INTEGRATION SUMMARY FOR DATABATCH - \\target\share\chem4\ecd7.i\230110.b\230110.b

```
    Time   Filename    LabID     ClientId       DF    Manually Integrated Compounds
----------------------------------------------------------------------------------------------------------------------------------------------------------------------------
0137  01102327ECD7.D BKL0730-BLK1               1      NO MANUAL INTEGRATION
----------------------------------------------------------------------------------------------------------------------------------------------------------------------------
0158  01102328ECD7.D BKL0730-BS1               1      NO MANUAL INTEGRATION
----------------------------------------------------------------------------------------------------------------------------------------------------------------------------
0219  01102329ECD7.D BKL0730-BSD1               1      NO MANUAL INTEGRATION
----------------------------------------------------------------------------------------------------------------------------------------------------------------------------
0240  01102330ECD7.D BKL0730-SRM1               1      NO MANUAL INTEGRATION
----------------------------------------------------------------------------------------------------------------------------------------------------------------------------
0301  01102331ECD7.D 22L0329-41              1    Aroclor-1248 [2C],
----------------------------------------------------------------------------------------------------------------------------------------------------------------------------
0322  01102332ECD7.D 22L0329-42              1      NO MANUAL INTEGRATION
----------------------------------------------------------------------------------------------------------------------------------------------------------------------------
0344  01102333ECD7.D 22L0329-43              1      NO MANUAL INTEGRATION
----------------------------------------------------------------------------------------------------------------------------------------------------------------------------
0405  01102334ECD7.D 22L0329-44              1      NO MANUAL INTEGRATION
----------------------------------------------------------------------------------------------------------------------------------------------------------------------------
0426  01102335ECD7.D BKL0730-MS1               1      NO MANUAL INTEGRATION
----------------------------------------------------------------------------------------------------------------------------------------------------------------------------
0447  01102336ECD7.D BKL0730-MSD1               1      NO MANUAL INTEGRATION
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0611  01102340ECD7.D 22L0329-48              1      NO MANUAL INTEGRATION
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0714  01102343ECD7.D DCMRINSE                1      NO MANUAL INTEGRATION
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0735  01102344ECD7.D DCMRINSE                1      NO MANUAL INTEGRATION
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MANUAL INTEGRATION SUMMARY FOR DATABATCH - \\target\share\chem4\ecd7.i\230110.b\230110.b

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Date: 13-Jan-2023 14:26

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Security Status Report

Date: 13-Jan-2023 16:05

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Analytical Resources, LLC
Analytical Chemists and Consultants

SURROGATE RECOVERY AND RT SUMMARY
EPA 8082A

Laboratory:	Analytical Resources, LLC	SDG/WO:	22L0307
Client:	Anchor QEA, LLC	Project:	AOC4 UR Phase 3
Sequence:	SKL0048	Instrument:	ECD7
Calibration:	FL00010	Calibration Date:	12/03/2022

Surrogate Compound	Spike Level ug/L	% Recovery	Recovery Limits	RT	Calibration Mean RT	RT Diff	RT Diff Limit	Q
SKL0048-SCV1 (Water)			Lab File ID: 12032222ECD7.D				Analyzed: 12/03/22 22:13	
Decachlorobiphenyl	40.000	99.5	80 - 120	13.909	13.90667	0.0023	N/A	
Tetrachlorometaxylene	40.000	90.3	80 - 120	5.836	5.835333	0.0007	N/A	
Decachlorobiphenyl [2C]	40.000	95.4	80 - 120	14.137	14.13533	0.0017	N/A	
Tetrachlorometaxylene [2C]	40.000	90.2	80 - 120	5.713	5.712333	0.0007	N/A	
SKL0048-SCV2 (Water)			Lab File ID: 12032223ECD7.D				Analyzed: 12/03/22 22:34	
Decachlorobiphenyl	40.000	97.9	80 - 120	13.909	13.90667	0.0023	N/A	
Tetrachlorometaxylene	40.000	88.9	80 - 120	5.835	5.835333	-0.0003	N/A	
Decachlorobiphenyl [2C]	40.000	95.0	80 - 120	14.136	14.13533	0.0007	N/A	
Tetrachlorometaxylene [2C]	40.000	89.5	80 - 120	5.712	5.712333	-0.0003	N/A	
SKL0048-SCV3 (Water)			Lab File ID: 12032224ECD7.D				Analyzed: 12/03/22 22:55	
Decachlorobiphenyl	40.000	98.3	80 - 120	13.909	13.90667	0.0023	N/A	
Tetrachlorometaxylene	40.000	86.8	80 - 120	5.836	5.835333	0.0007	N/A	
Decachlorobiphenyl [2C]	40.000	95.2	80 - 120	14.136	14.13533	0.0007	N/A	
Tetrachlorometaxylene [2C]	40.000	87.7	80 - 120	5.712	5.712333	-0.0003	N/A	
SKL0048-SCV4 (Water)			Lab File ID: 12032225ECD7.D				Analyzed: 12/03/22 23:17	
Decachlorobiphenyl	40.000	98.9	80 - 120	13.909	13.90667	0.0023	N/A	
Tetrachlorometaxylene	40.000	88.8	80 - 120	5.836	5.835333	0.0007	N/A	
Decachlorobiphenyl [2C]	40.000	95.2	80 - 120	14.136	14.13533	0.0007	N/A	
Tetrachlorometaxylene [2C]	40.000	90.0	80 - 120	5.713	5.712333	0.0007	N/A	
SKL0048-SCV5 (Water)			Lab File ID: 12032226ECD7.D				Analyzed: 12/03/22 23:38	
Decachlorobiphenyl	40.000	100	80 - 120	13.907	13.90667	0.0003	N/A	
Tetrachlorometaxylene	40.000	90.2	80 - 120	5.836	5.835333	0.0007	N/A	
Decachlorobiphenyl [2C]	40.000	96.1	80 - 120	14.136	14.13533	0.0007	N/A	
Tetrachlorometaxylene [2C]	40.000	89.2	80 - 120	5.713	5.712333	0.0007	N/A	
SKL0048-SCV6 (Water)			Lab File ID: 12032227ECD7.D				Analyzed: 12/03/22 23:59	
Decachlorobiphenyl	40.000	140	80 - 120	13.906	13.90667	-0.0007	N/A	
Tetrachlorometaxylene	40.000	86.2	80 - 120	5.833	5.835333	-0.0023	N/A	
Decachlorobiphenyl [2C]	40.000	137	80 - 120	14.136	14.13533	0.0007	N/A	
Tetrachlorometaxylene [2C]	40.000	85.6	80 - 120	5.711	5.712333	-0.0013	N/A	

SURROGATE RECOVERY AND RT SUMMARY

EPA 8082A

Laboratory:	Analytical Resources, LLC	SDG/WO:	22L0307
Client:	Anchor QEA, LLC	Project:	AOC4 UR Phase 3
Sequence:	SLA0071	Instrument:	ECD7
Calibration:	FL00010	Calibration Date:	12/03/2022

Surrogate Compound	Spike Level ug/L	% Recovery	Recovery Limits	RT	Calibration Mean RT	RT Diff	RT Diff Limit	Q
SLA0071-ICV1 (Solid)			Lab File ID: 12312202ECD7.D			Analyzed: 12/31/22 10:31		
Decachlorobiphenyl	40.000	118	80 - 120	13.904	13.90667	-0.0027	N/A	
Tetrachlorometaxylene	40.000	91.8	80 - 120	5.83	5.835333	-0.0053	N/A	
Decachlorobiphenyl [2C]	40.000	105	80 - 120	14.128	14.13533	-0.0073	N/A	
Tetrachlorometaxylene [2C]	40.000	90.5	80 - 120	5.707	5.712333	-0.0053	N/A	
SLA0071-ICV2 (Solid)			Lab File ID: 12312203ECD7.D			Analyzed: 12/31/22 10:52		
Decachlorobiphenyl	40.000	115	80 - 120	13.902	13.90667	-0.0047	N/A	
Tetrachlorometaxylene	40.000	99.0	80 - 120	5.831	5.835333	-0.0043	N/A	
Decachlorobiphenyl [2C]	40.000	104	80 - 120	14.129	14.13533	-0.0063	N/A	
Tetrachlorometaxylene [2C]	40.000	101	80 - 120	5.708	5.712333	-0.0043	N/A	
SLA0071-CCV1 (Solid)			Lab File ID: 12312220ECD7.D			Analyzed: 12/31/22 16:50		
Decachlorobiphenyl	40.000	106	80 - 120	13.903	13.90667	-0.0037	N/A	
Tetrachlorometaxylene	40.000	89.5	80 - 120	5.831	5.835333	-0.0043	N/A	
Decachlorobiphenyl [2C]	40.000	102	80 - 120	14.129	14.13533	-0.0063	N/A	
Tetrachlorometaxylene [2C]	40.000	91.8	80 - 120	5.708	5.712333	-0.0043	N/A	
SLA0071-CCV2 (Solid)			Lab File ID: 12312221ECD7.D			Analyzed: 12/31/22 17:11		
Decachlorobiphenyl	40.000	113	80 - 120	13.901	13.90667	-0.0057	N/A	
Tetrachlorometaxylene	40.000	99.0	80 - 120	5.832	5.835333	-0.0033	N/A	
Decachlorobiphenyl [2C]	40.000	102	80 - 120	14.128	14.13533	-0.0073	N/A	
Tetrachlorometaxylene [2C]	40.000	102	80 - 120	5.709	5.712333	-0.0033	N/A	
BKL0581-BLK1 (Solid)			Lab File ID: 12312222ECD7.D			Analyzed: 12/31/22 17:32		
Decachlorobiphenyl	8.0000	104	40 - 126	13.902	13.90667	-0.0047	N/A	
Tetrachlorometaxylene	8.0000	82.8	44 - 120	5.832	5.835333	-0.0033	N/A	
Decachlorobiphenyl [2C]	8.0000	99.7	40 - 126	14.128	14.13533	-0.0073	N/A	
Tetrachlorometaxylene [2C]	8.0000	79.1	44 - 120	5.708	5.712333	-0.0043	N/A	
BKL0581-BS1 (Solid)			Lab File ID: 12312223ECD7.D			Analyzed: 12/31/22 17:53		
Decachlorobiphenyl	8.0000	90.9	40 - 126	13.901	13.90667	-0.0057	N/A	
Tetrachlorometaxylene	8.0000	78.1	44 - 120	5.829	5.835333	-0.0063	N/A	
Decachlorobiphenyl [2C]	8.0000	90.7	40 - 126	14.128	14.13533	-0.0073	N/A	
Tetrachlorometaxylene [2C]	8.0000	72.5	44 - 120	5.706	5.712333	-0.0063	N/A	

SURROGATE RECOVERY AND RT SUMMARY
EPA 8082A

Laboratory:	Analytical Resources, LLC	SDG/WO:	22L0307
Client:	Anchor QEA, LLC	Project:	AOC4 UR Phase 3
Sequence:	SLA0071	Instrument:	ECD7
Calibration:	FL00010	Calibration Date:	12/03/2022

Surrogate Compound	Spike Level ug/kg wet	% Recovery	Recovery Limits	RT	Calibration Mean RT	RT Diff	RT Diff Limit	Q
BKL0581-BSD1 (Solid)				Lab File ID: 12312224ECD7.D			Analyzed: 12/31/22 18:14	
Decachlorobiphenyl	8.0000	90.4	40 - 126	13.899	13.90667	-0.0077	N/A	
Tetrachlorometaxylene	8.0000	75.6	44 - 120	5.83	5.835333	-0.0053	N/A	
Decachlorobiphenyl [2C]	8.0000	89.7	40 - 126	14.127	14.13533	-0.0083	N/A	
Tetrachlorometaxylene [2C]	8.0000	70.5	44 - 120	5.706	5.712333	-0.0063	N/A	
BKL0581-SRM1 (Solid)				Lab File ID: 12312225ECD7.D			Analyzed: 12/31/22 18:36	
Decachlorobiphenyl	40.000	89.3	40 - 126	13.895	13.90667	-0.0117	N/A	
Tetrachlorometaxylene	40.000	70.5	44 - 120	5.83	5.835333	-0.0053	N/A	
Decachlorobiphenyl [2C]	40.000	80.1	40 - 126	14.124	14.13533	-0.0113	N/A	
Tetrachlorometaxylene [2C]	40.000	73.0	44 - 120	5.707	5.712333	-0.0053	N/A	
BKL0581-MS1 (Solid)				Lab File ID: 12312226ECD7.D			Analyzed: 12/31/22 18:57	
Decachlorobiphenyl	7.9470	92.2	40 - 126	13.898	13.90667	-0.0087	N/A	
Tetrachlorometaxylene	7.9470	75.5	44 - 120	5.83	5.835333	-0.0053	N/A	
Decachlorobiphenyl [2C]	7.9470	88.5	40 - 126	14.127	14.13533	-0.0083	N/A	
Tetrachlorometaxylene [2C]	7.9470	71.7	44 - 120	5.706	5.712333	-0.0063	N/A	
BKL0581-MSD1 (Solid)				Lab File ID: 12312227ECD7.D			Analyzed: 12/31/22 19:18	
Decachlorobiphenyl	7.9470	91.2	40 - 126	13.899	13.90667	-0.0077	N/A	
Tetrachlorometaxylene	7.9470	74.4	44 - 120	5.828	5.835333	-0.0073	N/A	
Decachlorobiphenyl [2C]	7.9470	89.2	40 - 126	14.126	14.13533	-0.0093	N/A	
Tetrachlorometaxylene [2C]	7.9470	70.5	44 - 120	5.705	5.712333	-0.0073	N/A	
22L0307-02 (Solid)				Lab File ID: 12312229ECD7.D			Analyzed: 12/31/22 20:00	
Decachlorobiphenyl	7.9982	99.9	40 - 126	13.898	13.90667	-0.0087	N/A	
Tetrachlorometaxylene	7.9982	77.8	44 - 120	5.828	5.835333	-0.0073	N/A	
Decachlorobiphenyl [2C]	7.9982	95.5	40 - 126	14.126	14.13533	-0.0093	N/A	
Tetrachlorometaxylene [2C]	7.9982	79.9	44 - 120	5.705	5.712333	-0.0073	N/A	
22L0307-03 (Solid)				Lab File ID: 12312230ECD7.D			Analyzed: 12/31/22 20:21	
Decachlorobiphenyl	7.9911	101	40 - 126	13.897	13.90667	-0.0097	N/A	
Tetrachlorometaxylene	7.9911	79.5	44 - 120	5.83	5.835333	-0.0053	N/A	
Decachlorobiphenyl [2C]	7.9911	95.5	40 - 126	14.125	14.13533	-0.0103	N/A	
Tetrachlorometaxylene [2C]	7.9911	80.7	44 - 120	5.707	5.712333	-0.0053	N/A	

SURROGATE RECOVERY AND RT SUMMARY

EPA 8082A

Laboratory:	Analytical Resources, LLC	SDG/WO:	22L0307
Client:	Anchor QEA, LLC	Project:	AOC4 UR Phase 3
Sequence:	SLA0071	Instrument:	ECD7
Calibration:	FL00010	Calibration Date:	12/03/2022

Surrogate Compound	Spike Level ug/kg dry	% Recovery	Recovery Limits	RT	Calibration Mean RT	RT Diff	RT Diff Limit	Q
22L0307-04 (Solid)			Lab File ID: 12312231ECD7.D			Analyzed: 12/31/22 20:42		
Decachlorobiphenyl	7.9991	92.5	40 - 126	13.898	13.90667	-0.0087	N/A	
Tetrachlorometaxylene	7.9991	74.6	44 - 120	5.829	5.835333	-0.0063	N/A	
Decachlorobiphenyl [2C]	7.9991	91.1	40 - 126	14.125	14.13533	-0.0103	N/A	
Tetrachlorometaxylene [2C]	7.9991	75.7	44 - 120	5.706	5.712333	-0.0063	N/A	
22L0307-05 (Solid)			Lab File ID: 12312232ECD7.D			Analyzed: 12/31/22 21:03		
Decachlorobiphenyl	7.9761	102	40 - 126	13.898	13.90667	-0.0087	N/A	
Tetrachlorometaxylene	7.9761	79.5	44 - 120	5.828	5.835333	-0.0073	N/A	
Decachlorobiphenyl [2C]	7.9761	101	40 - 126	14.126	14.13533	-0.0093	N/A	
Tetrachlorometaxylene [2C]	7.9761	77.3	44 - 120	5.704	5.712333	-0.0083	N/A	
22L0307-06 (Solid)			Lab File ID: 12312233ECD7.D			Analyzed: 12/31/22 21:24		
Decachlorobiphenyl	7.9892	94.5	40 - 126	13.899	13.90667	-0.0077	N/A	
Tetrachlorometaxylene	7.9892	75.6	44 - 120	5.829	5.835333	-0.0063	N/A	
Decachlorobiphenyl [2C]	7.9892	94.3	40 - 126	14.126	14.13533	-0.0093	N/A	
Tetrachlorometaxylene [2C]	7.9892	77.5	44 - 120	5.706	5.712333	-0.0063	N/A	
22L0307-07 (Solid)			Lab File ID: 12312234ECD7.D			Analyzed: 12/31/22 21:45		
Decachlorobiphenyl	7.9682	98.7	40 - 126	13.899	13.90667	-0.0077	N/A	
Tetrachlorometaxylene	7.9682	81.4	44 - 120	5.83	5.835333	-0.0053	N/A	
Decachlorobiphenyl [2C]	7.9682	100	40 - 126	14.127	14.13533	-0.0083	N/A	
Tetrachlorometaxylene [2C]	7.9682	78.8	44 - 120	5.706	5.712333	-0.0063	N/A	
SLA0071-CCV3 (Solid)			Lab File ID: 12312238ECD7.D			Analyzed: 12/31/22 23:10		
Decachlorobiphenyl	40.000	105	80 - 120	13.9	13.90667	-0.0067	N/A	
Tetrachlorometaxylene	40.000	97.5	80 - 120	5.831	5.835333	-0.0043	N/A	
Decachlorobiphenyl [2C]	40.000	100	80 - 120	14.128	14.13533	-0.0073	N/A	
Tetrachlorometaxylene [2C]	40.000	98.3	80 - 120	5.708	5.712333	-0.0043	N/A	
SLA0071-CCV4 (Solid)			Lab File ID: 12312239ECD7.D			Analyzed: 12/31/22 23:31		
Decachlorobiphenyl	40.000	118	80 - 120	13.903	13.90667	-0.0037	N/A	
Tetrachlorometaxylene	40.000	98.0	80 - 120	5.832	5.835333	-0.0033	N/A	
Decachlorobiphenyl [2C]	40.000	101	80 - 120	14.128	14.13533	-0.0073	N/A	
Tetrachlorometaxylene [2C]	40.000	101	80 - 120	5.708	5.712333	-0.0043	N/A	

SURROGATE RECOVERY AND RT SUMMARY
EPA 8082A

Laboratory:	Analytical Resources, LLC	SDG/WO:	22L0307
Client:	Anchor QEA, LLC	Project:	AOC4 UR Phase 3
Sequence:	SLA0071	Instrument:	ECD7
Calibration:	FL00010	Calibration Date:	12/03/2022

Surrogate Compound	Spike Level ug/kg dry	% Recovery	Recovery Limits	RT	Calibration Mean RT	RT Diff	RT Diff Limit	Q
22L0307-11 (Solid)			Lab File ID: 12312240ECD7.D				Analyzed: 12/31/22 23:52	
Decachlorobiphenyl	7.9346	100	40 - 126	13.899	13.90667	-0.0077	N/A	
Tetrachlorometaxylene	7.9346	75.4	44 - 120	5.83	5.835333	-0.0053	N/A	
Decachlorobiphenyl [2C]	7.9346	93.7	40 - 126	14.126	14.13533	-0.0093	N/A	
Tetrachlorometaxylene [2C]	7.9346	74.7	44 - 120	5.707	5.712333	-0.0053	N/A	
22L0307-12 (Solid)			Lab File ID: 12312241ECD7.D				Analyzed: 01/01/23 00:13	
Decachlorobiphenyl	7.9988	95.7	40 - 126	13.899	13.90667	-0.0077	N/A	
Tetrachlorometaxylene	7.9988	76.6	44 - 120	5.83	5.835333	-0.0053	N/A	
Decachlorobiphenyl [2C]	7.9988	95.6	40 - 126	14.126	14.13533	-0.0093	N/A	
Tetrachlorometaxylene [2C]	7.9988	74.8	44 - 120	5.706	5.712333	-0.0063	N/A	
22L0307-13 (Solid)			Lab File ID: 12312242ECD7.D				Analyzed: 01/01/23 00:34	
Decachlorobiphenyl	7.9470	97.9	40 - 126	13.899	13.90667	-0.0077	N/A	
Tetrachlorometaxylene	7.9470	77.5	44 - 120	5.831	5.835333	-0.0043	N/A	
Decachlorobiphenyl [2C]	7.9470	98.0	40 - 126	14.126	14.13533	-0.0093	N/A	
Tetrachlorometaxylene [2C]	7.9470	76.7	44 - 120	5.708	5.712333	-0.0043	N/A	
22L0307-14 (Solid)			Lab File ID: 12312243ECD7.D				Analyzed: 01/01/23 00:55	
Decachlorobiphenyl	7.9895	93.7	40 - 126	13.898	13.90667	-0.0087	N/A	
Tetrachlorometaxylene	7.9895	73.1	44 - 120	5.828	5.835333	-0.0073	N/A	
Decachlorobiphenyl [2C]	7.9895	89.8	40 - 126	14.125	14.13533	-0.0103	N/A	
Tetrachlorometaxylene [2C]	7.9895	73.9	44 - 120	5.705	5.712333	-0.0073	N/A	
22L0307-15 (Solid)			Lab File ID: 12312244ECD7.D				Analyzed: 01/01/23 01:16	
Decachlorobiphenyl	7.9805	102	40 - 126	13.896	13.90667	-0.0107	N/A	
Tetrachlorometaxylene	7.9805	68.6	44 - 120	5.826	5.835333	-0.0093	N/A	
Decachlorobiphenyl [2C]	7.9805	88.2	40 - 126	14.124	14.13533	-0.0113	N/A	
Tetrachlorometaxylene [2C]	7.9805	68.4	44 - 120	5.703	5.712333	-0.0093	N/A	
22L0307-16 (Solid)			Lab File ID: 12312245ECD7.D				Analyzed: 01/01/23 01:37	
Decachlorobiphenyl	8.0008	115	40 - 126	13.894	13.90667	-0.0127	N/A	
Tetrachlorometaxylene	8.0008	56.4	44 - 120	5.827	5.835333	-0.0083	N/A	
Decachlorobiphenyl [2C]	8.0008	110	40 - 126	14.123	14.13533	-0.0123	N/A	
Tetrachlorometaxylene [2C]	8.0008	66.5	44 - 120	5.704	5.712333	-0.0083	N/A	

SURROGATE RECOVERY AND RT SUMMARY
EPA 8082A

Laboratory:	Analytical Resources, LLC	SDG/WO:	22L0307
Client:	Anchor QEA, LLC	Project:	AOC4 UR Phase 3
Sequence:	SLA0071	Instrument:	ECD7
Calibration:	FL00010	Calibration Date:	12/03/2022

Surrogate Compound	Spike Level ug/kg dry	% Recovery	Recovery Limits	RT	Calibration Mean RT	RT Diff	RT Diff Limit	Q
22L0307-17 (Solid)				Lab File ID: 12312246ECD7.D			Analyzed: 01/01/23 01:58	
Decachlorobiphenyl	7.9993	100	40 - 126	13.895	13.90667	-0.0117	N/A	
Tetrachlorometaxylene	7.9993	58.3	44 - 120	5.825	5.835333	-0.0103	N/A	
Decachlorobiphenyl [2C]	7.9993	87.3	40 - 126	14.122	14.13533	-0.0133	N/A	
Tetrachlorometaxylene [2C]	7.9993	70.0	44 - 120	5.702	5.712333	-0.0103	N/A	
22L0307-18 (Solid)				Lab File ID: 12312247ECD7.D			Analyzed: 01/01/23 02:19	
Decachlorobiphenyl	7.9860	97.9	40 - 126	13.895	13.90667	-0.0117	N/A	
Tetrachlorometaxylene	7.9860	65.0	44 - 120	5.825	5.835333	-0.0103	N/A	
Decachlorobiphenyl [2C]	7.9860	104	40 - 126	14.122	14.13533	-0.0133	N/A	
Tetrachlorometaxylene [2C]	7.9860	71.6	44 - 120	5.702	5.712333	-0.0103	N/A	
22L0307-19 (Solid)				Lab File ID: 12312248ECD7.D			Analyzed: 01/01/23 02:40	
Decachlorobiphenyl	7.9981	92.4	40 - 126	13.895	13.90667	-0.0117	N/A	
Tetrachlorometaxylene	7.9981	71.8	44 - 120	5.827	5.835333	-0.0083	N/A	
Decachlorobiphenyl [2C]	7.9981	87.9	40 - 126	14.123	14.13533	-0.0123	N/A	
Tetrachlorometaxylene [2C]	7.9981	75.5	44 - 120	5.704	5.712333	-0.0083	N/A	
22L0307-20 (Solid)				Lab File ID: 12312249ECD7.D			Analyzed: 01/01/23 03:01	
Decachlorobiphenyl	7.9802	98.1	40 - 126	13.897	13.90667	-0.0097	N/A	
Tetrachlorometaxylene	7.9802	76.7	44 - 120	5.83	5.835333	-0.0053	N/A	
Decachlorobiphenyl [2C]	7.9802	94.9	40 - 126	14.126	14.13533	-0.0093	N/A	
Tetrachlorometaxylene [2C]	7.9802	75.3	44 - 120	5.708	5.712333	-0.0043	N/A	
SLA0071-CCV5 (Solid)				Lab File ID: 12312250ECD7.D			Analyzed: 01/01/23 03:22	
Decachlorobiphenyl	40.000	110	80 - 120	13.902	13.90667	-0.0047	N/A	
Tetrachlorometaxylene	40.000	91.3	80 - 120	5.831	5.835333	-0.0043	N/A	
Decachlorobiphenyl [2C]	40.000	103	80 - 120	14.129	14.13533	-0.0063	N/A	
Tetrachlorometaxylene [2C]	40.000	90.3	80 - 120	5.708	5.712333	-0.0043	N/A	
SLA0071-CCV6 (Solid)				Lab File ID: 12312251ECD7.D			Analyzed: 01/01/23 03:43	
Decachlorobiphenyl	40.000	113	80 - 120	13.901	13.90667	-0.0057	N/A	
Tetrachlorometaxylene	40.000	97.0	80 - 120	5.832	5.835333	-0.0033	N/A	
Decachlorobiphenyl [2C]	40.000	102	80 - 120	14.128	14.13533	-0.0073	N/A	
Tetrachlorometaxylene [2C]	40.000	101	80 - 120	5.709	5.712333	-0.0033	N/A	

SURROGATE RECOVERY AND RT SUMMARY
EPA 8082A

Laboratory:	Analytical Resources, LLC	SDG/WO:	22L0307
Client:	Anchor QEA, LLC	Project:	AOC4 UR Phase 3
Sequence:	SLA0071	Instrument:	ECD7
Calibration:	FL00010	Calibration Date:	12/03/2022

Surrogate Compound	Spike Level ug/L	% Recovery	Recovery Limits	RT	Calibration Mean RT	RT Diff	RT Diff Limit	Q
SLA0071-CCV7 (Solid)			Lab File ID: 12312258ECD7.D			Analyzed: 01/01/23 06:11		
Decachlorobiphenyl	40.000	105	80 - 120	13.9	13.90667	-0.0067	N/A	
Tetrachlorometaxylene	40.000	88.3	80 - 120	5.834	5.835333	-0.0013	N/A	
Decachlorobiphenyl [2C]	40.000	100	80 - 120	14.129	14.13533	-0.0063	N/A	
Tetrachlorometaxylene [2C]	40.000	88.5	80 - 120	5.711	5.712333	-0.0013	N/A	
SLA0071-CCV8 (Solid)			Lab File ID: 12312259ECD7.D			Analyzed: 01/01/23 06:32		
Decachlorobiphenyl	40.000	112	80 - 120	13.902	13.90667	-0.0047	N/A	
Tetrachlorometaxylene	40.000	95.8	80 - 120	5.833	5.835333	-0.0023	N/A	
Decachlorobiphenyl [2C]	40.000	102	80 - 120	14.129	14.13533	-0.0063	N/A	
Tetrachlorometaxylene [2C]	40.000	98.5	80 - 120	5.71	5.712333	-0.0023	N/A	

SURROGATE RECOVERY AND RT SUMMARY
EPA 8082A

Laboratory:	Analytical Resources, LLC	SDG/WO:	22L0307
Client:	Anchor QEA, LLC	Project:	AOC4 UR Phase 3
Sequence:	SLA0079	Instrument:	ECD7
Calibration:	FL00010	Calibration Date:	12/03/2022

Surrogate Compound	Spike Level ug/L	% Recovery	Recovery Limits	RT	Calibration Mean RT	RT Diff	RT Diff Limit	Q
SLA0079-ICV1 (Solid)			Lab File ID: 01032302ECD7.D				Analyzed: 01/03/23 07:15	
Decachlorobiphenyl	40.000	122	80 - 120	13.903	13.90667	-0.0037	N/A	*
Tetrachlorometaxylene	40.000	98.3	80 - 120	5.83	5.835333	-0.0053	N/A	
Decachlorobiphenyl [2C]	40.000	105	80 - 120	14.127	14.13533	-0.0083	N/A	
Tetrachlorometaxylene [2C]	40.000	96.3	80 - 120	5.705	5.712333	-0.0073	N/A	
SLA0079-ICV2 (Solid)			Lab File ID: 01032303ECD7.D				Analyzed: 01/03/23 07:36	
Decachlorobiphenyl	40.000	117	80 - 120	13.9	13.90667	-0.0067	N/A	
Tetrachlorometaxylene	40.000	103	80 - 120	5.829	5.835333	-0.0063	N/A	
Decachlorobiphenyl [2C]	40.000	104	80 - 120	14.127	14.13533	-0.0083	N/A	
Tetrachlorometaxylene [2C]	40.000	103	80 - 120	5.706	5.712333	-0.0063	N/A	
22L0307-08 (Solid)			Lab File ID: 01032306ECD7.D				Analyzed: 01/03/23 10:02	
Decachlorobiphenyl	7.9822	128	40 - 126	13.901	13.90667	-0.0057	N/A	*
Tetrachlorometaxylene	7.9822	99.5	44 - 120	5.83	5.835333	-0.0053	N/A	
Decachlorobiphenyl [2C]	7.9822	114	40 - 126	14.127	14.13533	-0.0083	N/A	
Tetrachlorometaxylene [2C]	7.9822	99.6	44 - 120	5.707	5.712333	-0.0053	N/A	
22L0307-09 (Solid)			Lab File ID: 01032307ECD7.D				Analyzed: 01/03/23 10:23	
Decachlorobiphenyl	7.9297	120	40 - 126	13.9	13.90667	-0.0067	N/A	
Tetrachlorometaxylene	7.9297	99.7	44 - 120	5.831	5.835333	-0.0043	N/A	
Decachlorobiphenyl [2C]	7.9297	106	40 - 126	14.126	14.13533	-0.0093	N/A	
Tetrachlorometaxylene [2C]	7.9297	96.1	44 - 120	5.708	5.712333	-0.0043	N/A	
22L0307-10 (Solid)			Lab File ID: 01032308ECD7.D				Analyzed: 01/03/23 10:44	
Decachlorobiphenyl	7.9969	99.1	40 - 126	13.9	13.90667	-0.0067	N/A	
Tetrachlorometaxylene	7.9969	83.7	44 - 120	5.829	5.835333	-0.0063	N/A	
Decachlorobiphenyl [2C]	7.9969	92.5	40 - 126	14.128	14.13533	-0.0073	N/A	
Tetrachlorometaxylene [2C]	7.9969	81.5	44 - 120	5.707	5.712333	-0.0053	N/A	
SLA0079-CCV1 (Solid)			Lab File ID: 01032311ECD7.D				Analyzed: 01/03/23 11:48	
Decachlorobiphenyl	40.000	106	80 - 120	13.901	13.90667	-0.0057	N/A	
Tetrachlorometaxylene	40.000	93.8	80 - 120	5.831	5.835333	-0.0043	N/A	
Decachlorobiphenyl [2C]	40.000	102	80 - 120	14.128	14.13533	-0.0073	N/A	
Tetrachlorometaxylene [2C]	40.000	94.5	80 - 120	5.707	5.712333	-0.0053	N/A	

SURROGATE RECOVERY AND RT SUMMARY
EPA 8082A

Laboratory:	Analytical Resources, LLC	SDG/WO:	22L0307
Client:	Anchor QEA, LLC	Project:	AOC4 UR Phase 3
Sequence:	SLA0079	Instrument:	ECD7
Calibration:	FL00010	Calibration Date:	12/03/2022

Surrogate Compound	Spike Level ug/L	% Recovery	Recovery Limits	RT	Calibration Mean RT	RT Diff	RT Diff Limit	Q
SLA0079-CCV2 (Solid)				Lab File ID: 01032312ECD7.D			Analyzed: 01/03/23 12:09	
Decachlorobiphenyl	40.000	113	80 - 120	13.901	13.90667	-0.0057	N/A	
Tetrachlorometaxylene	40.000	99.5	80 - 120	5.83	5.835333	-0.0053	N/A	
Decachlorobiphenyl [2C]	40.000	103	80 - 120	14.129	14.13533	-0.0063	N/A	
Tetrachlorometaxylene [2C]	40.000	102	80 - 120	5.707	5.712333	-0.0053	N/A	
SLA0079-CCV3 (Solid)				Lab File ID: 01032330ECD7.D			Analyzed: 01/03/23 18:28	
Decachlorobiphenyl	40.000	110	80 - 120	13.902	13.90667	-0.0047	N/A	
Tetrachlorometaxylene	40.000	97.0	80 - 120	5.831	5.835333	-0.0043	N/A	
Decachlorobiphenyl [2C]	40.000	107	80 - 120	14.128	14.13533	-0.0073	N/A	
Tetrachlorometaxylene [2C]	40.000	97.3	80 - 120	5.707	5.712333	-0.0053	N/A	
SLA0079-CCV4 (Solid)				Lab File ID: 01032331ECD7.D			Analyzed: 01/03/23 18:49	
Decachlorobiphenyl	40.000	119	80 - 120	13.903	13.90667	-0.0037	N/A	
Tetrachlorometaxylene	40.000	100	80 - 120	5.831	5.835333	-0.0043	N/A	
Decachlorobiphenyl [2C]	40.000	107	80 - 120	14.127	14.13533	-0.0083	N/A	
Tetrachlorometaxylene [2C]	40.000	102	80 - 120	5.707	5.712333	-0.0053	N/A	
SLA0079-CCV5 (Solid)				Lab File ID: 01032347ECD7.D			Analyzed: 01/04/23 00:26	
Decachlorobiphenyl	40.000	111	80 - 120	13.903	13.90667	-0.0037	N/A	
Tetrachlorometaxylene	40.000	95.0	80 - 120	5.831	5.835333	-0.0043	N/A	
Decachlorobiphenyl [2C]	40.000	105	80 - 120	14.128	14.13533	-0.0073	N/A	
Tetrachlorometaxylene [2C]	40.000	94.3	80 - 120	5.708	5.712333	-0.0043	N/A	
SLA0079-CCV6 (Solid)				Lab File ID: 01032348ECD7.D			Analyzed: 01/04/23 00:47	
Decachlorobiphenyl	40.000	114	80 - 120	13.902	13.90667	-0.0047	N/A	
Tetrachlorometaxylene	40.000	100	80 - 120	5.831	5.835333	-0.0043	N/A	
Decachlorobiphenyl [2C]	40.000	107	80 - 120	14.129	14.13533	-0.0063	N/A	
Tetrachlorometaxylene [2C]	40.000	100	80 - 120	5.707	5.712333	-0.0053	N/A	

SURROGATE RECOVERY AND RT SUMMARY

EPA 8082A

Laboratory: Analytical Resources, LLC

SDG/WO: 22L0307

Client: Anchor QEA, LLC

Project: AOC4 UR Phase 3

Sequence: SLA0096

Instrument: ECD7

Calibration: FL00010

Calibration Date: 12/03/2022

Surrogate Compound	Spike Level ug/L	% Recovery	Recovery Limits	RT	Calibration Mean RT	RT Diff	RT Diff Limit	Q
SLA0096-CCV3 (Solid)				Lab File ID: 01052331ECD7.D			Analyzed: 01/05/23 22:56	
Decachlorobiphenyl	40.000	108	80 - 120	13.902	13.90667	-0.0047	N/A	
Tetrachlorometaxylene	40.000	93.8	80 - 120	5.831	5.835333	-0.0043	N/A	
Decachlorobiphenyl [2C]	40.000	100	80 - 120	14.127	14.13533	-0.0083	N/A	
Tetrachlorometaxylene [2C]	40.000	94.8	80 - 120	5.707	5.712333	-0.0053	N/A	
SLA0096-CCV4 (Solid)				Lab File ID: 01052332ECD7.D			Analyzed: 01/05/23 23:17	
Decachlorobiphenyl	40.000	122	80 - 120	13.901	13.90667	-0.0057	N/A	
Tetrachlorometaxylene	40.000	98.8	80 - 120	5.831	5.835333	-0.0043	N/A	
Decachlorobiphenyl [2C]	40.000	102	80 - 120	14.127	14.13533	-0.0083	N/A	
Tetrachlorometaxylene [2C]	40.000	101	80 - 120	5.707	5.712333	-0.0053	N/A	
SLA0096-CCV5 (Solid)				Lab File ID: 01052349ECD7.D			Analyzed: 01/06/23 05:15	
Decachlorobiphenyl	40.000	107	80 - 120	13.901	13.90667	-0.0057	N/A	
Tetrachlorometaxylene	40.000	96.3	80 - 120	5.832	5.835333	-0.0033	N/A	
Decachlorobiphenyl [2C]	40.000	103	80 - 120	14.128	14.13533	-0.0073	N/A	
Tetrachlorometaxylene [2C]	40.000	94.0	80 - 120	5.709	5.712333	-0.0033	N/A	
SLA0096-CCV6 (Solid)				Lab File ID: 01052350ECD7.D			Analyzed: 01/06/23 05:36	
Decachlorobiphenyl	40.000	112	80 - 120	13.903	13.90667	-0.0037	N/A	
Tetrachlorometaxylene	40.000	97.3	80 - 120	5.832	5.835333	-0.0033	N/A	
Decachlorobiphenyl [2C]	40.000	101	80 - 120	14.128	14.13533	-0.0073	N/A	
Tetrachlorometaxylene [2C]	40.000	101	80 - 120	5.709	5.712333	-0.0033	N/A	
SLA0096-CCV7 (Solid)				Lab File ID: 01052361ECD7.D			Analyzed: 01/06/23 09:28	
Decachlorobiphenyl	40.000	109	80 - 120	13.902	13.90667	-0.0047	N/A	
Tetrachlorometaxylene	40.000	91.5	80 - 120	5.832	5.835333	-0.0033	N/A	
Decachlorobiphenyl [2C]	40.000	102	80 - 120	14.127	14.13533	-0.0083	N/A	
Tetrachlorometaxylene [2C]	40.000	95.3	80 - 120	5.707	5.712333	-0.0053	N/A	
SLA0096-CCV8 (Solid)				Lab File ID: 01052362ECD7.D			Analyzed: 01/06/23 09:49	
Decachlorobiphenyl	40.000	113	80 - 120	13.902	13.90667	-0.0047	N/A	
Tetrachlorometaxylene	40.000	98.0	80 - 120	5.831	5.835333	-0.0043	N/A	
Decachlorobiphenyl [2C]	40.000	104	80 - 120	14.126	14.13533	-0.0093	N/A	
Tetrachlorometaxylene [2C]	40.000	101	80 - 120	5.707	5.712333	-0.0053	N/A	

Analytical Resources, LLC
Analytical Chemists and Consultants

SURROGATE RECOVERY AND RT SUMMARY
EPA 8082A

Laboratory:	Analytical Resources, LLC	SDG/WO:	22L0307
Client:	Anchor QEA, LLC	Project:	AOC4 UR Phase 3
Sequence:	SLA0096	Instrument:	ECD7
Calibration:	FL00010	Calibration Date:	12/03/2022

Surrogate Compound	Spike Level ug/L	% Recovery	Recovery Limits	RT	Calibration Mean RT	RT Diff	RT Diff Limit	Q
SLA0096-CCV9 (Solid)				Lab File ID: 01052372ECD7.D			Analyzed: 01/06/23 13:19	
Decachlorobiphenyl	40.000	117	80 - 120	13.901	13.90667	-0.0057	N/A	
Tetrachlorometaxylene	40.000	96.8	80 - 120	5.832	5.835333	-0.0033	N/A	
Decachlorobiphenyl [2C]	40.000	98.3	80 - 120	14.127	14.13533	-0.0083	N/A	
Tetrachlorometaxylene [2C]	40.000	94.0	80 - 120	5.708	5.712333	-0.0043	N/A	
SLA0096-CCVA (Solid)				Lab File ID: 01052373ECD7.D			Analyzed: 01/06/23 13:40	
Decachlorobiphenyl	40.000	124	80 - 120	13.901	13.90667	-0.0057	N/A	
Tetrachlorometaxylene	40.000	98.0	80 - 120	5.831	5.835333	-0.0043	N/A	
Decachlorobiphenyl [2C]	40.000	102	80 - 120	14.127	14.13533	-0.0083	N/A	
Tetrachlorometaxylene [2C]	40.000	101	80 - 120	5.708	5.712333	-0.0043	N/A	
SLA0096-CCVB (Solid)				Lab File ID: 01052384ECD7.D			Analyzed: 01/06/23 17:32	
Decachlorobiphenyl	40.000	110	80 - 120	13.901	13.90667	-0.0057	N/A	
Tetrachlorometaxylene	40.000	90.3	80 - 120	5.831	5.835333	-0.0043	N/A	
Decachlorobiphenyl [2C]	40.000	104	80 - 120	14.128	14.13533	-0.0073	N/A	
Tetrachlorometaxylene [2C]	40.000	90.8	80 - 120	5.707	5.712333	-0.0053	N/A	
SLA0096-CCVC (Solid)				Lab File ID: 01052385ECD7.D			Analyzed: 01/06/23 17:53	
Decachlorobiphenyl	40.000	117	80 - 120	13.904	13.90667	-0.0027	N/A	
Tetrachlorometaxylene	40.000	101	80 - 120	5.831	5.835333	-0.0043	N/A	
Decachlorobiphenyl [2C]	40.000	103	80 - 120	14.127	14.13533	-0.0083	N/A	
Tetrachlorometaxylene [2C]	40.000	105	80 - 120	5.708	5.712333	-0.0043	N/A	
22L0307-01 (Solid)				Lab File ID: 01052389ECD7.D			Analyzed: 01/06/23 19:18	
Decachlorobiphenyl	7.9958	93.3	40 - 126	13.897	13.90667	-0.0097	N/A	
Tetrachlorometaxylene	7.9958	79.8	44 - 120	5.83	5.835333	-0.0053	N/A	
Decachlorobiphenyl [2C]	7.9958	83.1	40 - 126	14.124	14.13533	-0.0113	N/A	
Tetrachlorometaxylene [2C]	7.9958	77.6	44 - 120	5.707	5.712333	-0.0053	N/A	
SLA0096-CCVD (Solid)				Lab File ID: 01052392ECD7.D			Analyzed: 01/06/23 20:21	
Decachlorobiphenyl	40.000	112	80 - 120	13.901	13.90667	-0.0057	N/A	
Tetrachlorometaxylene	40.000	91.0	80 - 120	5.831	5.835333	-0.0043	N/A	
Decachlorobiphenyl [2C]	40.000	103	80 - 120	14.128	14.13533	-0.0073	N/A	
Tetrachlorometaxylene [2C]	40.000	93.3	80 - 120	5.707	5.712333	-0.0053	N/A	

SURROGATE RECOVERY AND RT SUMMARY
EPA 8082A

Laboratory: Analytical Resources, LLC
SDG/WO: 22L0307
Client: Anchor QEA, LLC
Project: AOC4 UR Phase 3
Sequence: SLA0096
Instrument: ECD7
Calibration: FL00010
Calibration Date: 12/03/2022

Surrogate Compound	Spike Level ug/L	% Recovery	Recovery Limits	RT	Calibration Mean RT	RT Diff	RT Diff Limit	Q
SLA0096-CCVE (Solid)			Lab File ID: 01052393ECD7.D			Analyzed: 01/06/23 20:42		
Decachlorobiphenyl	40.000	118	80 - 120	13.901	13.90667	-0.0057	N/A	
Tetrachlorometaxylene	40.000	98.5	80 - 120	5.833	5.835333	-0.0023	N/A	
Decachlorobiphenyl [2C]	40.000	101	80 - 120	14.127	14.13533	-0.0083	N/A	
Tetrachlorometaxylene [2C]	40.000	101	80 - 120	5.709	5.712333	-0.0033	N/A	

SURROGATE RECOVERY AND RT SUMMARY
EPA 8082A

Laboratory:	Analytical Resources, LLC	SDG/WO:	22L0307
Client:	Anchor QEA, LLC	Project:	AOC4 UR Phase 3
Sequence:	SLA0099	Instrument:	ECD7
Calibration:	FL00010	Calibration Date:	12/03/2022

Surrogate Compound	Spike Level ug/L	% Recovery	Recovery Limits	RT	Calibration Mean RT	RT Diff	RT Diff Limit	Q
SLA0099-ICV1 (Solid)			Lab File ID: 01072302ECD7.D				Analyzed: 01/07/23 09:37	
Decachlorobiphenyl	40.000	122	80 - 120	13.903	13.90667	-0.0037	N/A	*
Tetrachlorometaxylene	40.000	96.3	80 - 120	5.83	5.835333	-0.0053	N/A	
Decachlorobiphenyl [2C]	40.000	104	80 - 120	14.126	14.13533	-0.0093	N/A	
Tetrachlorometaxylene [2C]	40.000	95.5	80 - 120	5.706	5.712333	-0.0063	N/A	
SLA0099-ICV2 (Solid)			Lab File ID: 01072303ECD7.D				Analyzed: 01/07/23 09:58	
Decachlorobiphenyl	40.000	119	80 - 120	13.901	13.90667	-0.0057	N/A	
Tetrachlorometaxylene	40.000	104	80 - 120	5.83	5.835333	-0.0053	N/A	
Decachlorobiphenyl [2C]	40.000	103	80 - 120	14.126	14.13533	-0.0093	N/A	
Tetrachlorometaxylene [2C]	40.000	102	80 - 120	5.707	5.712333	-0.0053	N/A	
SLA0099-CCV1 (Solid)			Lab File ID: 01072314ECD7.D				Analyzed: 01/07/23 13:49	
Decachlorobiphenyl	40.000	108	80 - 120	13.902	13.90667	-0.0047	N/A	
Tetrachlorometaxylene	40.000	92.0	80 - 120	5.832	5.835333	-0.0033	N/A	
Decachlorobiphenyl [2C]	40.000	102	80 - 120	14.127	14.13533	-0.0083	N/A	
Tetrachlorometaxylene [2C]	40.000	95.3	80 - 120	5.708	5.712333	-0.0043	N/A	
SLA0099-CCV2 (Solid)			Lab File ID: 01072315ECD7.D				Analyzed: 01/07/23 14:10	
Decachlorobiphenyl	40.000	114	80 - 120	13.902	13.90667	-0.0047	N/A	
Tetrachlorometaxylene	40.000	98.5	80 - 120	5.833	5.835333	-0.0023	N/A	
Decachlorobiphenyl [2C]	40.000	102	80 - 120	14.127	14.13533	-0.0083	N/A	
Tetrachlorometaxylene [2C]	40.000	101	80 - 120	5.708	5.712333	-0.0043	N/A	
BKL0582-BLK1 (Solid)			Lab File ID: 01072325ECD7.D				Analyzed: 01/07/23 18:03	
Decachlorobiphenyl	8.0000	99.2	40 - 126	13.9	13.90667	-0.0067	N/A	
Tetrachlorometaxylene	8.0000	76.2	44 - 120	5.829	5.835333	-0.0063	N/A	
Decachlorobiphenyl [2C]	8.0000	96.8	40 - 126	14.126	14.13533	-0.0093	N/A	
Tetrachlorometaxylene [2C]	8.0000	73.1	44 - 120	5.706	5.712333	-0.0063	N/A	
BKL0582-BS1 (Solid)			Lab File ID: 01072326ECD7.D				Analyzed: 01/07/23 18:24	
Decachlorobiphenyl	8.0000	97.9	40 - 126	13.901	13.90667	-0.0057	N/A	
Tetrachlorometaxylene	8.0000	78.1	44 - 120	5.831	5.835333	-0.0043	N/A	
Decachlorobiphenyl [2C]	8.0000	99.4	40 - 126	14.127	14.13533	-0.0083	N/A	
Tetrachlorometaxylene [2C]	8.0000	71.3	44 - 120	5.707	5.712333	-0.0053	N/A	

SURROGATE RECOVERY AND RT SUMMARY
EPA 8082A

Laboratory:	Analytical Resources, LLC	SDG/WO:	22L0307
Client:	Anchor QEA, LLC	Project:	AOC4 UR Phase 3
Sequence:	SLA0099	Instrument:	ECD7
Calibration:	FL00010	Calibration Date:	12/03/2022

Surrogate Compound	Spike Level ug/kg wet	% Recovery	Recovery Limits	RT	Calibration Mean RT	RT Diff	RT Diff Limit	Q
BKL0582-BSD1 (Solid)			Lab File ID: 01072327ECD7.D				Analyzed: 01/07/23 18:45	
Decachlorobiphenyl	8.0000	102	40 - 126	13.902	13.90667	-0.0047	N/A	
Tetrachlorometaxylene	8.0000	85.2	44 - 120	5.83	5.835333	-0.0053	N/A	
Decachlorobiphenyl [2C]	8.0000	104	40 - 126	14.125	14.13533	-0.0103	N/A	
Tetrachlorometaxylene [2C]	8.0000	79.1	44 - 120	5.706	5.712333	-0.0063	N/A	
BKL0582-SRM1 (Solid)			Lab File ID: 01072328ECD7.D				Analyzed: 01/07/23 19:06	
Decachlorobiphenyl	40.000	102	40 - 126	13.897	13.90667	-0.0097	N/A	
Tetrachlorometaxylene	40.000	78.2	44 - 120	5.828	5.835333	-0.0073	N/A	
Decachlorobiphenyl [2C]	40.000	95.7	40 - 126	14.124	14.13533	-0.0113	N/A	
Tetrachlorometaxylene [2C]	40.000	82.3	44 - 120	5.705	5.712333	-0.0073	N/A	
22L0307-21 (Solid)			Lab File ID: 01072329ECD7.D				Analyzed: 01/07/23 19:27	
Decachlorobiphenyl	7.9786	103	40 - 126	13.894	13.90667	-0.0127	N/A	
Tetrachlorometaxylene	7.9786	70.0	44 - 120	5.826	5.835333	-0.0093	N/A	
Decachlorobiphenyl [2C]	7.9786	92.2	40 - 126	14.121	14.13533	-0.0143	N/A	
Tetrachlorometaxylene [2C]	7.9786	81.0	44 - 120	5.702	5.712333	-0.0103	N/A	
22L0307-22 (Solid)			Lab File ID: 01072330ECD7.D				Analyzed: 01/07/23 19:48	
Decachlorobiphenyl	7.9980	95.8	40 - 126	13.895	13.90667	-0.0117	N/A	
Tetrachlorometaxylene	7.9980	67.4	44 - 120	5.826	5.835333	-0.0093	N/A	
Decachlorobiphenyl [2C]	7.9980	85.1	40 - 126	14.122	14.13533	-0.0133	N/A	
Tetrachlorometaxylene [2C]	7.9980	74.1	44 - 120	5.703	5.712333	-0.0093	N/A	
22L0307-23 (Solid)			Lab File ID: 01072331ECD7.D				Analyzed: 01/07/23 20:09	
Decachlorobiphenyl	7.9928	96.1	40 - 126	13.895	13.90667	-0.0117	N/A	
Tetrachlorometaxylene	7.9928	69.6	44 - 120	5.826	5.835333	-0.0093	N/A	
Decachlorobiphenyl [2C]	7.9928	85.1	40 - 126	14.122	14.13533	-0.0133	N/A	
Tetrachlorometaxylene [2C]	7.9928	78.3	44 - 120	5.703	5.712333	-0.0093	N/A	
22L0307-24 (Solid)			Lab File ID: 01072332ECD7.D				Analyzed: 01/07/23 20:30	
Decachlorobiphenyl	7.9777	100	40 - 126	13.895	13.90667	-0.0117	N/A	
Tetrachlorometaxylene	7.9777	69.8	44 - 120	5.827	5.835333	-0.0083	N/A	
Decachlorobiphenyl [2C]	7.9777	87.1	40 - 126	14.123	14.13533	-0.0123	N/A	
Tetrachlorometaxylene [2C]	7.9777	75.7	44 - 120	5.704	5.712333	-0.0083	N/A	

SURROGATE RECOVERY AND RT SUMMARY
EPA 8082A

Laboratory:	Analytical Resources, LLC	SDG/WO:	22L0307
Client:	Anchor QEA, LLC	Project:	AOC4 UR Phase 3
Sequence:	SLA0099	Instrument:	ECD7
Calibration:	FL00010	Calibration Date:	12/03/2022

Surrogate Compound	Spike Level ug/kg dry	% Recovery	Recovery Limits	RT	Calibration Mean RT	RT Diff	RT Diff Limit	Q
22L0307-25 (Solid)				Lab File ID: 01072333ECD7.D			Analyzed: 01/07/23 20:51	
Decachlorobiphenyl	7.9830	87.7	40 - 126	13.893	13.90667	-0.0137	N/A	
Tetrachlorometaxylene	7.9830	63.5	44 - 120	5.826	5.835333	-0.0093	N/A	
Decachlorobiphenyl [2C]	7.9830	76.5	40 - 126	14.122	14.13533	-0.0133	N/A	
Tetrachlorometaxylene [2C]	7.9830	69.5	44 - 120	5.703	5.712333	-0.0093	N/A	
22L0307-26 (Solid)				Lab File ID: 01072334ECD7.D			Analyzed: 01/07/23 21:12	
Decachlorobiphenyl	7.9967	99.3	40 - 126	13.897	13.90667	-0.0097	N/A	
Tetrachlorometaxylene	7.9967	73.3	44 - 120	5.828	5.835333	-0.0073	N/A	
Decachlorobiphenyl [2C]	7.9967	91.2	40 - 126	14.124	14.13533	-0.0113	N/A	
Tetrachlorometaxylene [2C]	7.9967	76.5	44 - 120	5.706	5.712333	-0.0063	N/A	
22L0307-27 (Solid)				Lab File ID: 01072335ECD7.D			Analyzed: 01/07/23 21:33	
Decachlorobiphenyl	8.0014	99.8	40 - 126	13.894	13.90667	-0.0127	N/A	
Tetrachlorometaxylene	8.0014	70.3	44 - 120	5.826	5.835333	-0.0093	N/A	
Decachlorobiphenyl [2C]	8.0014	87.3	40 - 126	14.121	14.13533	-0.0143	N/A	
Tetrachlorometaxylene [2C]	8.0014	79.4	44 - 120	5.703	5.712333	-0.0093	N/A	
22L0307-28 (Solid)				Lab File ID: 01072336ECD7.D			Analyzed: 01/07/23 21:54	
Decachlorobiphenyl	7.9896	96.6	40 - 126	13.895	13.90667	-0.0117	N/A	
Tetrachlorometaxylene	7.9896	76.0	44 - 120	5.827	5.835333	-0.0083	N/A	
Decachlorobiphenyl [2C]	7.9896	84.0	40 - 126	14.122	14.13533	-0.0133	N/A	
Tetrachlorometaxylene [2C]	7.9896	76.1	44 - 120	5.704	5.712333	-0.0083	N/A	
22L0307-29 (Solid)				Lab File ID: 01072337ECD7.D			Analyzed: 01/07/23 22:15	
Decachlorobiphenyl	7.9992	95.2	40 - 126	13.893	13.90667	-0.0137	N/A	
Tetrachlorometaxylene	7.9992	59.2	44 - 120	5.825	5.835333	-0.0103	N/A	
Decachlorobiphenyl [2C]	7.9992	85.3	40 - 126	14.122	14.13533	-0.0133	N/A	
Tetrachlorometaxylene [2C]	7.9992	67.7	44 - 120	5.702	5.712333	-0.0103	N/A	
SLA0099-CCV5 (Solid)				Lab File ID: 01072339ECD7.D			Analyzed: 01/07/23 22:58	
Decachlorobiphenyl	40.000	100	80 - 120	13.903	13.90667	-0.0037	N/A	
Tetrachlorometaxylene	40.000	94.5	80 - 120	5.833	5.835333	-0.0023	N/A	
Decachlorobiphenyl [2C]	40.000	105	80 - 120	14.129	14.13533	-0.0063	N/A	
Tetrachlorometaxylene [2C]	40.000	93.0	80 - 120	5.709	5.712333	-0.0033	N/A	

SURROGATE RECOVERY AND RT SUMMARY
EPA 8082A

Laboratory:	Analytical Resources, LLC	SDG/WO:	22L0307
Client:	Anchor QEA, LLC	Project:	AOC4 UR Phase 3
Sequence:	SLA0099	Instrument:	ECD7
Calibration:	FL00010	Calibration Date:	12/03/2022

Surrogate Compound	Spike Level ug/L	% Recovery	Recovery Limits	RT	Calibration Mean RT	RT Diff	RT Diff Limit	Q
SLA0099-CCV6 (Solid)			Lab File ID: 01072340ECD7.D			Analyzed: 01/07/23 23:19		
Decachlorobiphenyl	40.000	104	80 - 120	13.903	13.90667	-0.0037	N/A	
Tetrachlorometaxylene	40.000	105	80 - 120	5.831	5.835333	-0.0043	N/A	
Decachlorobiphenyl [2C]	40.000	104	80 - 120	14.128	14.13533	-0.0073	N/A	
Tetrachlorometaxylene [2C]	40.000	102	80 - 120	5.707	5.712333	-0.0053	N/A	
22L0307-31 (Solid)			Lab File ID: 01072341ECD7.D			Analyzed: 01/07/23 23:40		
Decachlorobiphenyl	7.9923	85.9	40 - 126	13.893	13.90667	-0.0137	N/A	
Tetrachlorometaxylene	7.9923	53.3	44 - 120	5.824	5.835333	-0.0113	N/A	
Decachlorobiphenyl [2C]	7.9923	77.5	40 - 126	14.121	14.13533	-0.0143	N/A	
Tetrachlorometaxylene [2C]	7.9923	62.8	44 - 120	5.701	5.712333	-0.0113	N/A	
22L0307-32 (Solid)			Lab File ID: 01072342ECD7.D			Analyzed: 01/08/23 00:01		
Decachlorobiphenyl	7.9924	85.9	40 - 126	13.895	13.90667	-0.0117	N/A	
Tetrachlorometaxylene	7.9924	52.2	44 - 120	5.826	5.835333	-0.0093	N/A	
Decachlorobiphenyl [2C]	7.9924	76.8	40 - 126	14.121	14.13533	-0.0143	N/A	
Tetrachlorometaxylene [2C]	7.9924	61.3	44 - 120	5.702	5.712333	-0.0103	N/A	
22L0307-33 (Solid)			Lab File ID: 01072343ECD7.D			Analyzed: 01/08/23 00:22		
Decachlorobiphenyl	7.9993	100	40 - 126	13.899	13.90667	-0.0077	N/A	
Tetrachlorometaxylene	7.9993	77.9	44 - 120	5.829	5.835333	-0.0063	N/A	
Decachlorobiphenyl [2C]	7.9993	98.3	40 - 126	14.124	14.13533	-0.0113	N/A	
Tetrachlorometaxylene [2C]	7.9993	72.9	44 - 120	5.705	5.712333	-0.0073	N/A	
BKL0582-MS1 (Solid)			Lab File ID: 01072344ECD7.D			Analyzed: 01/08/23 00:43		
Decachlorobiphenyl	9.9084	99.2	40 - 126	13.897	13.90667	-0.0097	N/A	
Tetrachlorometaxylene	9.9084	77.0	44 - 120	5.83	5.835333	-0.0053	N/A	
Decachlorobiphenyl [2C]	9.9084	97.3	40 - 126	14.122	14.13533	-0.0133	N/A	
Tetrachlorometaxylene [2C]	9.9084	73.8	44 - 120	5.706	5.712333	-0.0063	N/A	
BKL0582-MSD1 (Solid)			Lab File ID: 01072345ECD7.D			Analyzed: 01/08/23 01:04		
Decachlorobiphenyl	9.9084	101	40 - 126	13.897	13.90667	-0.0097	N/A	
Tetrachlorometaxylene	9.9084	78.8	44 - 120	5.829	5.835333	-0.0063	N/A	
Decachlorobiphenyl [2C]	9.9084	99.8	40 - 126	14.123	14.13533	-0.0123	N/A	
Tetrachlorometaxylene [2C]	9.9084	73.4	44 - 120	5.705	5.712333	-0.0073	N/A	

SURROGATE RECOVERY AND RT SUMMARY
EPA 8082A

Laboratory:	Analytical Resources, LLC	SDG/WO:	22L0307
Client:	Anchor QEA, LLC	Project:	AOC4 UR Phase 3
Sequence:	SLA0099	Instrument:	ECD7
Calibration:	FL00010	Calibration Date:	12/03/2022

Surrogate Compound	Spike Level ug/kg dry	% Recovery	Recovery Limits	RT	Calibration Mean RT	RT Diff	RT Diff Limit	Q
22L0307-34 (Solid)				Lab File ID: 01072346ECD7.D			Analyzed: 01/08/23 01:25	
Decachlorobiphenyl	7.9970	111	40 - 126	13.897	13.90667	-0.0097	N/A	
Tetrachlorometaxylene	7.9970	88.5	44 - 120	5.83	5.835333	-0.0053	N/A	
Decachlorobiphenyl [2C]	7.9970	108	40 - 126	14.123	14.13533	-0.0123	N/A	
Tetrachlorometaxylene [2C]	7.9970	84.6	44 - 120	5.706	5.712333	-0.0063	N/A	
22L0307-35 (Solid)				Lab File ID: 01072347ECD7.D			Analyzed: 01/08/23 01:46	
Decachlorobiphenyl	7.9869	116	40 - 126	13.893	13.90667	-0.0137	N/A	
Tetrachlorometaxylene	7.9869	59.6	44 - 120	5.826	5.835333	-0.0093	N/A	
Decachlorobiphenyl [2C]	7.9869	107	40 - 126	14.121	14.13533	-0.0143	N/A	
Tetrachlorometaxylene [2C]	7.9869	67.8	44 - 120	5.703	5.712333	-0.0093	N/A	
22L0307-36 (Solid)				Lab File ID: 01072348ECD7.D			Analyzed: 01/08/23 02:07	
Decachlorobiphenyl	7.9873	97.8	40 - 126	13.895	13.90667	-0.0117	N/A	
Tetrachlorometaxylene	7.9873	75.9	44 - 120	5.829	5.835333	-0.0063	N/A	
Decachlorobiphenyl [2C]	7.9873	89.9	40 - 126	14.121	14.13533	-0.0143	N/A	
Tetrachlorometaxylene [2C]	7.9873	74.5	44 - 120	5.706	5.712333	-0.0063	N/A	
22L0307-38 (Solid)				Lab File ID: 01072350ECD7.D			Analyzed: 01/08/23 02:50	
Decachlorobiphenyl	8.0004	91.0	40 - 126	13.895	13.90667	-0.0117	N/A	
Tetrachlorometaxylene	8.0004	67.3	44 - 120	5.828	5.835333	-0.0073	N/A	
Decachlorobiphenyl [2C]	8.0004	89.0	40 - 126	14.121	14.13533	-0.0143	N/A	
Tetrachlorometaxylene [2C]	8.0004	67.8	44 - 120	5.704	5.712333	-0.0083	N/A	
22L0307-39 (Solid)				Lab File ID: 01072351ECD7.D			Analyzed: 01/08/23 03:11	
Decachlorobiphenyl	7.9996	104	40 - 126	13.897	13.90667	-0.0097	N/A	
Tetrachlorometaxylene	7.9996	83.6	44 - 120	5.83	5.835333	-0.0053	N/A	
Decachlorobiphenyl [2C]	7.9996	101	40 - 126	14.122	14.13533	-0.0133	N/A	
Tetrachlorometaxylene [2C]	7.9996	80.8	44 - 120	5.706	5.712333	-0.0063	N/A	
22L0307-40 (Solid)				Lab File ID: 01072352ECD7.D			Analyzed: 01/08/23 03:32	
Decachlorobiphenyl	7.9800	111	40 - 126	13.897	13.90667	-0.0097	N/A	
Tetrachlorometaxylene	7.9800	87.7	44 - 120	5.829	5.835333	-0.0063	N/A	
Decachlorobiphenyl [2C]	7.9800	106	40 - 126	14.123	14.13533	-0.0123	N/A	
Tetrachlorometaxylene [2C]	7.9800	84.7	44 - 120	5.705	5.712333	-0.0073	N/A	

SURROGATE RECOVERY AND RT SUMMARY
EPA 8082A

Laboratory:	Analytical Resources, LLC	SDG/WO:	22L0307
Client:	Anchor QEA, LLC	Project:	AOC4 UR Phase 3
Sequence:	SLA0099	Instrument:	ECD7
Calibration:	FL00010	Calibration Date:	12/03/2022

Surrogate Compound	Spike Level ug/L	% Recovery	Recovery Limits	RT	Calibration Mean RT	RT Diff	RT Diff Limit	Q
SLA0099-CCV7 (Solid)				Lab File ID: 01072353ECD7.D			Analyzed: 01/08/23 03:53	
Decachlorobiphenyl	40.000	102	80 - 120	13.904	13.90667	-0.0027	N/A	
Tetrachlorometaxylene	40.000	92.0	80 - 120	5.832	5.835333	-0.0033	N/A	
Decachlorobiphenyl [2C]	40.000	108	80 - 120	14.128	14.13533	-0.0073	N/A	
Tetrachlorometaxylene [2C]	40.000	90.3	80 - 120	5.709	5.712333	-0.0033	N/A	
SLA0099-CCV8 (Solid)				Lab File ID: 01072354ECD7.D			Analyzed: 01/08/23 04:14	
Decachlorobiphenyl	40.000	110	80 - 120	13.902	13.90667	-0.0047	N/A	
Tetrachlorometaxylene	40.000	104	80 - 120	5.831	5.835333	-0.0043	N/A	
Decachlorobiphenyl [2C]	40.000	101	80 - 120	14.127	14.13533	-0.0083	N/A	
Tetrachlorometaxylene [2C]	40.000	99.8	80 - 120	5.708	5.712333	-0.0043	N/A	
BKL0584-BLK1 (Solid)				Lab File ID: 01072360ECD7.D			Analyzed: 01/08/23 06:21	
Decachlorobiphenyl	8.0000	104	40 - 126	13.901	13.90667	-0.0057	N/A	
Tetrachlorometaxylene	8.0000	90.0	44 - 120	5.831	5.835333	-0.0043	N/A	
Decachlorobiphenyl [2C]	8.0000	100	40 - 126	14.125	14.13533	-0.0103	N/A	
Tetrachlorometaxylene [2C]	8.0000	82.9	44 - 120	5.708	5.712333	-0.0043	N/A	
BKL0584-BS1 (Solid)				Lab File ID: 01072361ECD7.D			Analyzed: 01/08/23 06:42	
Decachlorobiphenyl	8.0000	100	40 - 126	13.9	13.90667	-0.0067	N/A	
Tetrachlorometaxylene	8.0000	85.3	44 - 120	5.83	5.835333	-0.0053	N/A	
Decachlorobiphenyl [2C]	8.0000	98.8	40 - 126	14.125	14.13533	-0.0103	N/A	
Tetrachlorometaxylene [2C]	8.0000	77.7	44 - 120	5.707	5.712333	-0.0053	N/A	
BKL0584-BSD1 (Solid)				Lab File ID: 01072362ECD7.D			Analyzed: 01/08/23 07:03	
Decachlorobiphenyl	8.0000	102	40 - 126	13.901	13.90667	-0.0057	N/A	
Tetrachlorometaxylene	8.0000	87.5	44 - 120	5.831	5.835333	-0.0043	N/A	
Decachlorobiphenyl [2C]	8.0000	98.5	40 - 126	14.125	14.13533	-0.0103	N/A	
Tetrachlorometaxylene [2C]	8.0000	79.3	44 - 120	5.708	5.712333	-0.0043	N/A	
BKL0584-MRL1 (Solid)				Lab File ID: 01072363ECD7.D			Analyzed: 01/08/23 07:24	
Decachlorobiphenyl	8.0000	105	40 - 126	13.901	13.90667	-0.0057	N/A	
Tetrachlorometaxylene	8.0000	89.8	44 - 120	5.83	5.835333	-0.0053	N/A	
Decachlorobiphenyl [2C]	8.0000	107	40 - 126	14.126	14.13533	-0.0093	N/A	
Tetrachlorometaxylene [2C]	8.0000	85.4	44 - 120	5.707	5.712333	-0.0053	N/A	

SURROGATE RECOVERY AND RT SUMMARY
EPA 8082A

Laboratory:	Analytical Resources, LLC	SDG/WO:	22L0307
Client:	Anchor QEA, LLC	Project:	AOC4 UR Phase 3
Sequence:	SLA0099	Instrument:	ECD7
Calibration:	FL00010	Calibration Date:	12/03/2022

Surrogate Compound	Spike Level ug/kg wet	% Recovery	Recovery Limits	RT	Calibration Mean RT	RT Diff	RT Diff Limit	Q
BKL0584-SRM1 (Solid)				Lab File ID: 01072364ECD7.D			Analyzed: 01/08/23 07:45	
Decachlorobiphenyl	40.000	101	40 - 126	13.894	13.90667	-0.0127	N/A	
Tetrachlorometaxylene	40.000	81.8	44 - 120	5.828	5.835333	-0.0073	N/A	
Decachlorobiphenyl [2C]	40.000	93.1	40 - 126	14.122	14.13533	-0.0133	N/A	
Tetrachlorometaxylene [2C]	40.000	81.2	44 - 120	5.705	5.712333	-0.0073	N/A	
22L0307-61 (Solid)				Lab File ID: 01072365ECD7.D			Analyzed: 01/08/23 08:06	
Decachlorobiphenyl	7.9995	80.0	40 - 126	13.894	13.90667	-0.0127	N/A	
Tetrachlorometaxylene	7.9995	59.8	44 - 120	5.826	5.835333	-0.0093	N/A	
Decachlorobiphenyl [2C]	7.9995	71.3	40 - 126	14.122	14.13533	-0.0133	N/A	
Tetrachlorometaxylene [2C]	7.9995	66.2	44 - 120	5.702	5.712333	-0.0103	N/A	
22L0307-63 (Solid)				Lab File ID: 01072367ECD7.D			Analyzed: 01/08/23 08:48	
Decachlorobiphenyl	8.0087	90.7	40 - 126	13.894	13.90667	-0.0127	N/A	
Tetrachlorometaxylene	8.0087	63.0	44 - 120	5.826	5.835333	-0.0093	N/A	
Decachlorobiphenyl [2C]	8.0087	83.2	40 - 126	14.121	14.13533	-0.0143	N/A	
Tetrachlorometaxylene [2C]	8.0087	72.7	44 - 120	5.702	5.712333	-0.0103	N/A	
22L0307-65 (Solid)				Lab File ID: 01072369ECD7.D			Analyzed: 01/08/23 09:30	
Decachlorobiphenyl	7.9924	94.4	40 - 126	13.893	13.90667	-0.0137	N/A	
Tetrachlorometaxylene	7.9924	61.6	44 - 120	5.826	5.835333	-0.0093	N/A	
Decachlorobiphenyl [2C]	7.9924	87.7	40 - 126	14.12	14.13533	-0.0153	N/A	
Tetrachlorometaxylene [2C]	7.9924	70.1	44 - 120	5.702	5.712333	-0.0103	N/A	
22L0307-66 (Solid)				Lab File ID: 01072370ECD7.D			Analyzed: 01/08/23 09:52	
Decachlorobiphenyl	7.9983	90.0	40 - 126	13.893	13.90667	-0.0137	N/A	
Tetrachlorometaxylene	7.9983	61.2	44 - 120	5.825	5.835333	-0.0103	N/A	
Decachlorobiphenyl [2C]	7.9983	83.4	40 - 126	14.12	14.13533	-0.0153	N/A	
Tetrachlorometaxylene [2C]	7.9983	69.1	44 - 120	5.701	5.712333	-0.0113	N/A	
BKL0584-MS1 (Solid)				Lab File ID: 01072371ECD7.D			Analyzed: 01/08/23 10:13	
Decachlorobiphenyl	7.9983	96.1	40 - 126	13.894	13.90667	-0.0127	N/A	
Tetrachlorometaxylene	7.9983	66.1	44 - 120	5.825	5.835333	-0.0103	N/A	
Decachlorobiphenyl [2C]	7.9983	88.9	40 - 126	14.121	14.13533	-0.0143	N/A	
Tetrachlorometaxylene [2C]	7.9983	71.3	44 - 120	5.701	5.712333	-0.0113	N/A	

SURROGATE RECOVERY AND RT SUMMARY
EPA 8082A

Laboratory:	Analytical Resources, LLC	SDG/WO:	22L0307
Client:	Anchor QEA, LLC	Project:	AOC4 UR Phase 3
Sequence:	SLA0099	Instrument:	ECD7
Calibration:	FL00010	Calibration Date:	12/03/2022

Surrogate Compound	Spike Level ug/kg dry	% Recovery	Recovery Limits	RT	Calibration Mean RT	RT Diff	RT Diff Limit	Q
BKL0584-MSD1 (Solid)			Lab File ID: 01072372ECD7.D				Analyzed: 01/08/23 10:34	
Decachlorobiphenyl	7.9983	78.9	40 - 126	13.894	13.90667	-0.0127	N/A	
Tetrachlorometaxylene	7.9983	59.0	44 - 120	5.825	5.835333	-0.0103	N/A	
Decachlorobiphenyl [2C]	7.9983	73.2	40 - 126	14.121	14.13533	-0.0143	N/A	
Tetrachlorometaxylene [2C]	7.9983	65.3	44 - 120	5.701	5.712333	-0.0113	N/A	
SLA0099-CCV9 (Solid)			Lab File ID: 01072373ECD7.D				Analyzed: 01/08/23 10:55	
Decachlorobiphenyl	40.000	96.5	80 - 120	13.902	13.90667	-0.0047	N/A	
Tetrachlorometaxylene	40.000	98.5	80 - 120	5.832	5.835333	-0.0033	N/A	
Decachlorobiphenyl [2C]	40.000	102	80 - 120	14.128	14.13533	-0.0073	N/A	
Tetrachlorometaxylene [2C]	40.000	95.5	80 - 120	5.709	5.712333	-0.0033	N/A	
SLA0099-CCVA (Solid)			Lab File ID: 01072374ECD7.D				Analyzed: 01/08/23 11:16	
Decachlorobiphenyl	40.000	98.3	80 - 120	13.902	13.90667	-0.0047	N/A	
Tetrachlorometaxylene	40.000	105	80 - 120	5.831	5.835333	-0.0043	N/A	
Decachlorobiphenyl [2C]	40.000	104	80 - 120	14.127	14.13533	-0.0083	N/A	
Tetrachlorometaxylene [2C]	40.000	102	80 - 120	5.707	5.712333	-0.0053	N/A	
SLA0099-CCVB (Solid)			Lab File ID: 01072389ECD7.D				Analyzed: 01/08/23 16:32	
Decachlorobiphenyl	40.000	102	80 - 120	13.902	13.90667	-0.0047	N/A	
Tetrachlorometaxylene	40.000	95.3	80 - 120	5.831	5.835333	-0.0043	N/A	
Decachlorobiphenyl [2C]	40.000	104	80 - 120	14.128	14.13533	-0.0073	N/A	
Tetrachlorometaxylene [2C]	40.000	94.0	80 - 120	5.707	5.712333	-0.0053	N/A	
SLA0099-CCVC (Solid)			Lab File ID: 01072390ECD7.D				Analyzed: 01/08/23 16:53	
Decachlorobiphenyl	40.000	104	80 - 120	13.902	13.90667	-0.0047	N/A	
Tetrachlorometaxylene	40.000	106	80 - 120	5.832	5.835333	-0.0033	N/A	
Decachlorobiphenyl [2C]	40.000	106	80 - 120	14.128	14.13533	-0.0073	N/A	
Tetrachlorometaxylene [2C]	40.000	103	80 - 120	5.708	5.712333	-0.0043	N/A	
SLA0099-CCVD (Solid)			Lab File ID: 010723994ECD7.D				Analyzed: 01/08/23 21:27	
Decachlorobiphenyl	40.000	98.5	80 - 120	13.903	13.90667	-0.0037	N/A	
Tetrachlorometaxylene	40.000	95.8	80 - 120	5.833	5.835333	-0.0023	N/A	
Decachlorobiphenyl [2C]	40.000	99.0	80 - 120	14.128	14.13533	-0.0073	N/A	
Tetrachlorometaxylene [2C]	40.000	94.0	80 - 120	5.71	5.712333	-0.0023	N/A	

SURROGATE RECOVERY AND RT SUMMARY
EPA 8082A

Laboratory:	Analytical Resources, LLC	SDG/WO:	22L0307
Client:	Anchor QEA, LLC	Project:	AOC4 UR Phase 3
Sequence:	SLA0099	Instrument:	ECD7
Calibration:	FL00010	Calibration Date:	12/03/2022

Surrogate Compound	Spike Level ug/L	% Recovery	Recovery Limits	RT	Calibration Mean RT	RT Diff	RT Diff Limit	Q
SLA0099-CCVE (Solid)			Lab File ID: 010723995ECD7.D			Analyzed: 01/08/23 21:48		
Decachlorobiphenyl	40.000	98.5	80 - 120	13.903	13.90667	-0.0037	N/A	
Tetrachlorometaxylene	40.000	107	80 - 120	5.832	5.835333	-0.0033	N/A	
Decachlorobiphenyl [2C]	40.000	102	80 - 120	14.128	14.13533	-0.0073	N/A	
Tetrachlorometaxylene [2C]	40.000	103	80 - 120	5.709	5.712333	-0.0033	N/A	

SURROGATE RECOVERY AND RT SUMMARY
EPA 8082A

Laboratory:	Analytical Resources, LLC	SDG/WO:	22L0307
Client:	Anchor QEA, LLC	Project:	AOC4 UR Phase 3
Sequence:	SLA0129	Instrument:	ECD7
Calibration:	FL00010	Calibration Date:	12/03/2022

Surrogate Compound	Spike Level ug/L	% Recovery	Recovery Limits	RT	Calibration Mean RT	RT Diff	RT Diff Limit	Q
SLA0129-ICV1 (Solid)				Lab File ID: 01092302ECD7.D			Analyzed: 01/09/23 09:24	
Decachlorobiphenyl	40.000	103	80 - 120	13.904	13.90667	-0.0027	N/A	
Tetrachlorometaxylene	40.000	98.0	80 - 120	5.831	5.835333	-0.0043	N/A	
Decachlorobiphenyl [2C]	40.000	102	80 - 120	14.127	14.13533	-0.0083	N/A	
Tetrachlorometaxylene [2C]	40.000	96.8	80 - 120	5.706	5.712333	-0.0063	N/A	
SLA0129-ICV2 (Solid)				Lab File ID: 01092303ECD7.D			Analyzed: 01/09/23 09:46	
Decachlorobiphenyl	40.000	99.4	80 - 120	13.902	13.90667	-0.0047	N/A	
Tetrachlorometaxylene	40.000	108	80 - 120	5.831	5.835333	-0.0043	N/A	
Decachlorobiphenyl [2C]	40.000	102	80 - 120	14.127	14.13533	-0.0083	N/A	
Tetrachlorometaxylene [2C]	40.000	104	80 - 120	5.708	5.712333	-0.0043	N/A	
BKL0583-BLK1 (Solid)				Lab File ID: 01092304ECD7.D			Analyzed: 01/09/23 10:07	
Decachlorobiphenyl	8.0000	85.9	40 - 126	13.901	13.90667	-0.0057	N/A	
Tetrachlorometaxylene	8.0000	71.9	44 - 120	5.829	5.835333	-0.0063	N/A	
Decachlorobiphenyl [2C]	8.0000	90.5	40 - 126	14.126	14.13533	-0.0093	N/A	
Tetrachlorometaxylene [2C]	8.0000	66.9	44 - 120	5.706	5.712333	-0.0063	N/A	
BKL0583-BS1 (Solid)				Lab File ID: 01092305ECD7.D			Analyzed: 01/09/23 10:28	
Decachlorobiphenyl	8.0000	102	40 - 126	13.901	13.90667	-0.0057	N/A	
Tetrachlorometaxylene	8.0000	89.7	44 - 120	5.829	5.835333	-0.0063	N/A	
Decachlorobiphenyl [2C]	8.0000	109	40 - 126	14.126	14.13533	-0.0093	N/A	
Tetrachlorometaxylene [2C]	8.0000	83.6	44 - 120	5.706	5.712333	-0.0063	N/A	
BKL0583-BSD1 (Solid)				Lab File ID: 01092306ECD7.D			Analyzed: 01/09/23 10:49	
Decachlorobiphenyl	8.0000	98.8	40 - 126	13.901	13.90667	-0.0057	N/A	
Tetrachlorometaxylene	8.0000	84.2	44 - 120	5.829	5.835333	-0.0063	N/A	
Decachlorobiphenyl [2C]	8.0000	105	40 - 126	14.126	14.13533	-0.0093	N/A	
Tetrachlorometaxylene [2C]	8.0000	77.3	44 - 120	5.706	5.712333	-0.0063	N/A	
BKL0583-SRM1 (Solid)				Lab File ID: 01092307ECD7.D			Analyzed: 01/09/23 11:10	
Decachlorobiphenyl	40.000	87.2	40 - 126	13.896	13.90667	-0.0107	N/A	
Tetrachlorometaxylene	40.000	68.6	44 - 120	5.828	5.835333	-0.0073	N/A	
Decachlorobiphenyl [2C]	40.000	79.7	40 - 126	14.122	14.13533	-0.0133	N/A	
Tetrachlorometaxylene [2C]	40.000	70.9	44 - 120	5.705	5.712333	-0.0073	N/A	

SURROGATE RECOVERY AND RT SUMMARY
EPA 8082A

Laboratory:	Analytical Resources, LLC	SDG/WO:	22L0307
Client:	Anchor QEA, LLC	Project:	AOC4 UR Phase 3
Sequence:	SLA0129	Instrument:	ECD7
Calibration:	FL00010	Calibration Date:	12/03/2022

Surrogate Compound	Spike Level ug/kg dry	% Recovery	Recovery Limits	RT	Calibration Mean RT	RT Diff	RT Diff Limit	Q
22L0307-41 (Solid)				Lab File ID: 01092308ECD7.D			Analyzed: 01/09/23 11:31	
Decachlorobiphenyl	7.9979	105	40 - 126	13.898	13.90667	-0.0087	N/A	
Tetrachlorometaxylene	7.9979	82.6	44 - 120	5.828	5.835333	-0.0073	N/A	
Decachlorobiphenyl [2C]	7.9979	102	40 - 126	14.124	14.13533	-0.0113	N/A	
Tetrachlorometaxylene [2C]	7.9979	81.3	44 - 120	5.704	5.712333	-0.0083	N/A	
22L0307-42 (Solid)				Lab File ID: 01092309ECD7.D			Analyzed: 01/09/23 11:52	
Decachlorobiphenyl	7.9892	99.4	40 - 126	13.898	13.90667	-0.0087	N/A	
Tetrachlorometaxylene	7.9892	83.9	44 - 120	5.828	5.835333	-0.0073	N/A	
Decachlorobiphenyl [2C]	7.9892	101	40 - 126	14.124	14.13533	-0.0113	N/A	
Tetrachlorometaxylene [2C]	7.9892	83.5	44 - 120	5.705	5.712333	-0.0073	N/A	
22L0307-43 (Solid)				Lab File ID: 01092310ECD7.D			Analyzed: 01/09/23 12:13	
Decachlorobiphenyl	7.9691	92.8	40 - 126	13.895	13.90667	-0.0117	N/A	
Tetrachlorometaxylene	7.9691	71.0	44 - 120	5.826	5.835333	-0.0093	N/A	
Decachlorobiphenyl [2C]	7.9691	84.0	40 - 126	14.122	14.13533	-0.0133	N/A	
Tetrachlorometaxylene [2C]	7.9691	76.0	44 - 120	5.702	5.712333	-0.0103	N/A	
22L0307-44 (Solid)				Lab File ID: 01092311ECD7.D			Analyzed: 01/09/23 12:34	
Decachlorobiphenyl	8.0005	101	40 - 126	13.895	13.90667	-0.0117	N/A	
Tetrachlorometaxylene	8.0005	76.8	44 - 120	5.826	5.835333	-0.0093	N/A	
Decachlorobiphenyl [2C]	8.0005	91.7	40 - 126	14.122	14.13533	-0.0133	N/A	
Tetrachlorometaxylene [2C]	8.0005	81.3	44 - 120	5.703	5.712333	-0.0093	N/A	
22L0307-45 (Solid)				Lab File ID: 01092312ECD7.D			Analyzed: 01/09/23 12:55	
Decachlorobiphenyl	7.9698	91.3	40 - 126	13.897	13.90667	-0.0097	N/A	
Tetrachlorometaxylene	7.9698	69.3	44 - 120	5.826	5.835333	-0.0093	N/A	
Decachlorobiphenyl [2C]	7.9698	83.3	40 - 126	14.122	14.13533	-0.0133	N/A	
Tetrachlorometaxylene [2C]	7.9698	74.0	44 - 120	5.702	5.712333	-0.0103	N/A	
22L0307-46 (Solid)				Lab File ID: 01092313ECD7.D			Analyzed: 01/09/23 13:17	
Decachlorobiphenyl	7.9950	89.5	40 - 126	13.896	13.90667	-0.0107	N/A	
Tetrachlorometaxylene	7.9950	66.3	44 - 120	5.826	5.835333	-0.0093	N/A	
Decachlorobiphenyl [2C]	7.9950	80.2	40 - 126	14.122	14.13533	-0.0133	N/A	
Tetrachlorometaxylene [2C]	7.9950	73.1	44 - 120	5.702	5.712333	-0.0103	N/A	

SURROGATE RECOVERY AND RT SUMMARY
EPA 8082A

Laboratory:	Analytical Resources, LLC	SDG/WO:	22L0307
Client:	Anchor QEA, LLC	Project:	AOC4 UR Phase 3
Sequence:	SLA0129	Instrument:	ECD7
Calibration:	FL00010	Calibration Date:	12/03/2022

Surrogate Compound	Spike Level ug/kg dry	% Recovery	Recovery Limits	RT	Calibration Mean RT	RT Diff	RT Diff Limit	Q
22L0307-47 (Solid)				Lab File ID: 01092314ECD7.D			Analyzed: 01/09/23 13:38	
Decachlorobiphenyl	7.9794	89.5	40 - 126	13.896	13.90667	-0.0107	N/A	
Tetrachlorometaxylene	7.9794	66.5	44 - 120	5.826	5.835333	-0.0093	N/A	
Decachlorobiphenyl [2C]	7.9794	81.6	40 - 126	14.121	14.13533	-0.0143	N/A	
Tetrachlorometaxylene [2C]	7.9794	72.4	44 - 120	5.703	5.712333	-0.0093	N/A	
22L0307-48 (Solid)				Lab File ID: 01092315ECD7.D			Analyzed: 01/09/23 13:59	
Decachlorobiphenyl	7.9795	86.6	40 - 126	13.894	13.90667	-0.0127	N/A	
Tetrachlorometaxylene	7.9795	60.9	44 - 120	5.825	5.835333	-0.0103	N/A	
Decachlorobiphenyl [2C]	7.9795	76.7	40 - 126	14.121	14.13533	-0.0143	N/A	
Tetrachlorometaxylene [2C]	7.9795	69.4	44 - 120	5.701	5.712333	-0.0113	N/A	
22L0307-49 (Solid)				Lab File ID: 01092316ECD7.D			Analyzed: 01/09/23 14:20	
Decachlorobiphenyl	7.9713	88.7	40 - 126	13.896	13.90667	-0.0107	N/A	
Tetrachlorometaxylene	7.9713	70.0	44 - 120	5.827	5.835333	-0.0083	N/A	
Decachlorobiphenyl [2C]	7.9713	82.2	40 - 126	14.122	14.13533	-0.0133	N/A	
Tetrachlorometaxylene [2C]	7.9713	71.9	44 - 120	5.704	5.712333	-0.0083	N/A	
22L0307-50 (Solid)				Lab File ID: 01092317ECD7.D			Analyzed: 01/09/23 14:41	
Decachlorobiphenyl	8.0010	95.6	40 - 126	13.897	13.90667	-0.0097	N/A	
Tetrachlorometaxylene	8.0010	77.1	44 - 120	5.829	5.835333	-0.0063	N/A	
Decachlorobiphenyl [2C]	8.0010	89.5	40 - 126	14.123	14.13533	-0.0123	N/A	
Tetrachlorometaxylene [2C]	8.0010	79.3	44 - 120	5.705	5.712333	-0.0073	N/A	
SLA0129-CCV1 (Solid)				Lab File ID: 01092318ECD7.D			Analyzed: 01/09/23 15:02	
Decachlorobiphenyl	40.000	98.7	80 - 120	13.903	13.90667	-0.0037	N/A	
Tetrachlorometaxylene	40.000	93.3	80 - 120	5.831	5.835333	-0.0043	N/A	
Decachlorobiphenyl [2C]	40.000	98.1	80 - 120	14.126	14.13533	-0.0093	N/A	
Tetrachlorometaxylene [2C]	40.000	92.7	80 - 120	5.707	5.712333	-0.0053	N/A	
SLA0129-CCV2 (Solid)				Lab File ID: 01092319ECD7.D			Analyzed: 01/09/23 15:23	
Decachlorobiphenyl	40.000	102	80 - 120	13.903	13.90667	-0.0037	N/A	
Tetrachlorometaxylene	40.000	104	80 - 120	5.832	5.835333	-0.0033	N/A	
Decachlorobiphenyl [2C]	40.000	100	80 - 120	14.127	14.13533	-0.0083	N/A	
Tetrachlorometaxylene [2C]	40.000	101	80 - 120	5.708	5.712333	-0.0043	N/A	

SURROGATE RECOVERY AND RT SUMMARY
EPA 8082A

Laboratory:	Analytical Resources, LLC	SDG/WO:	22L0307
Client:	Anchor QEA, LLC	Project:	AOC4 UR Phase 3
Sequence:	SLA0129	Instrument:	ECD7
Calibration:	FL00010	Calibration Date:	12/03/2022

Surrogate Compound	Spike Level ug/kg dry	% Recovery	Recovery Limits	RT	Calibration Mean RT	RT Diff	RT Diff Limit	Q
BKL0583-MS1 (Solid)			Lab File ID: 01092320ECD7.D			Analyzed: 01/09/23 15:44		
Decachlorobiphenyl	7.9961	94.0	40 - 126	13.896	13.90667	-0.0107	N/A	
Tetrachlorometaxylene	7.9961	74.9	44 - 120	5.828	5.835333	-0.0073	N/A	
Decachlorobiphenyl [2C]	7.9961	86.7	40 - 126	14.122	14.13533	-0.0133	N/A	
Tetrachlorometaxylene [2C]	7.9961	74.0	44 - 120	5.705	5.712333	-0.0073	N/A	
BKL0583-MSD1 (Solid)			Lab File ID: 01092321ECD7.D			Analyzed: 01/09/23 16:05		
Decachlorobiphenyl	7.9961	98.8	40 - 126	13.897	13.90667	-0.0097	N/A	
Tetrachlorometaxylene	7.9961	76.8	44 - 120	5.828	5.835333	-0.0073	N/A	
Decachlorobiphenyl [2C]	7.9961	91.5	40 - 126	14.123	14.13533	-0.0123	N/A	
Tetrachlorometaxylene [2C]	7.9961	76.9	44 - 120	5.705	5.712333	-0.0073	N/A	
22L0307-51 (Solid)			Lab File ID: 01092322ECD7.D			Analyzed: 01/09/23 16:27		
Decachlorobiphenyl	7.9697	99.2	40 - 126	13.895	13.90667	-0.0117	N/A	
Tetrachlorometaxylene	7.9697	73.5	44 - 120	5.827	5.835333	-0.0083	N/A	
Decachlorobiphenyl [2C]	7.9697	88.3	40 - 126	14.122	14.13533	-0.0133	N/A	
Tetrachlorometaxylene [2C]	7.9697	79.1	44 - 120	5.703	5.712333	-0.0093	N/A	
22L0307-52 (Solid)			Lab File ID: 01092323ECD7.D			Analyzed: 01/09/23 16:48		
Decachlorobiphenyl	7.9810	96.9	40 - 126	13.893	13.90667	-0.0137	N/A	
Tetrachlorometaxylene	7.9810	72.5	44 - 120	5.826	5.835333	-0.0093	N/A	
Decachlorobiphenyl [2C]	7.9810	87.1	40 - 126	14.12	14.13533	-0.0153	N/A	
Tetrachlorometaxylene [2C]	7.9810	76.2	44 - 120	5.702	5.712333	-0.0103	N/A	
22L0307-53 (Solid)			Lab File ID: 01092324ECD7.D			Analyzed: 01/09/23 17:09		
Decachlorobiphenyl	7.9785	84.5	40 - 126	13.893	13.90667	-0.0137	N/A	
Tetrachlorometaxylene	7.9785	58.3	44 - 120	5.825	5.835333	-0.0103	N/A	
Decachlorobiphenyl [2C]	7.9785	78.1	40 - 126	14.121	14.13533	-0.0143	N/A	
Tetrachlorometaxylene [2C]	7.9785	63.7	44 - 120	5.701	5.712333	-0.0113	N/A	
22L0307-54 (Solid)			Lab File ID: 01092325ECD7.D			Analyzed: 01/09/23 17:30		
Decachlorobiphenyl	7.9804	85.0	40 - 126	13.894	13.90667	-0.0127	N/A	
Tetrachlorometaxylene	7.9804	53.8	44 - 120	5.825	5.835333	-0.0103	N/A	
Decachlorobiphenyl [2C]	7.9804	79.8	40 - 126	14.12	14.13533	-0.0153	N/A	
Tetrachlorometaxylene [2C]	7.9804	61.2	44 - 120	5.701	5.712333	-0.0113	N/A	

SURROGATE RECOVERY AND RT SUMMARY

EPA 8082A

Laboratory:	Analytical Resources, LLC	SDG/WO:	22L0307
Client:	Anchor QEA, LLC	Project:	AOC4 UR Phase 3
Sequence:	SLA0129	Instrument:	ECD7
Calibration:	FL00010	Calibration Date:	12/03/2022

Surrogate Compound	Spike Level ug/kg dry	% Recovery	Recovery Limits	RT	Calibration Mean RT	RT Diff	RT Diff Limit	Q
22L0307-55 (Solid)				Lab File ID: 01092326ECD7.D			Analyzed: 01/09/23 17:51	
Decachlorobiphenyl	7.9980	88.9	40 - 126	13.895	13.90667	-0.0117	N/A	
Tetrachlorometaxylene	7.9980	56.4	44 - 120	5.825	5.835333	-0.0103	N/A	
Decachlorobiphenyl [2C]	7.9980	83.8	40 - 126	14.12	14.13533	-0.0153	N/A	
Tetrachlorometaxylene [2C]	7.9980	64.3	44 - 120	5.7	5.712333	-0.0123	N/A	
22L0307-56 (Solid)				Lab File ID: 01092327ECD7.D			Analyzed: 01/09/23 18:12	
Decachlorobiphenyl	8.0003	99.4	40 - 126	13.894	13.90667	-0.0127	N/A	
Tetrachlorometaxylene	8.0003	56.4	44 - 120	5.826	5.835333	-0.0093	N/A	
Decachlorobiphenyl [2C]	8.0003	88.8	40 - 126	14.121	14.13533	-0.0143	N/A	
Tetrachlorometaxylene [2C]	8.0003	64.2	44 - 120	5.702	5.712333	-0.0103	N/A	
22L0307-58 (Solid)				Lab File ID: 01092329ECD7.D			Analyzed: 01/09/23 18:54	
Decachlorobiphenyl	7.9913	92.9	40 - 126	13.894	13.90667	-0.0127	N/A	
Tetrachlorometaxylene	7.9913	54.6	44 - 120	5.823	5.835333	-0.0123	N/A	
Decachlorobiphenyl [2C]	7.9913	93.5	40 - 126	14.121	14.13533	-0.0143	N/A	
Tetrachlorometaxylene [2C]	7.9913	63.7	44 - 120	5.7	5.712333	-0.0123	N/A	
22L0307-59 (Solid)				Lab File ID: 01092330ECD7.D			Analyzed: 01/09/23 19:15	
Decachlorobiphenyl	7.9903	104	40 - 126	13.894	13.90667	-0.0127	N/A	
Tetrachlorometaxylene	7.9903	57.2	44 - 120	5.825	5.835333	-0.0103	N/A	
Decachlorobiphenyl [2C]	7.9903	96.7	40 - 126	14.12	14.13533	-0.0153	N/A	
Tetrachlorometaxylene [2C]	7.9903	67.2	44 - 120	5.701	5.712333	-0.0113	N/A	
SLA0129-CCV3 (Solid)				Lab File ID: 01092332ECD7.D			Analyzed: 01/09/23 19:57	
Decachlorobiphenyl	40.000	102	80 - 120	13.903	13.90667	-0.0037	N/A	
Tetrachlorometaxylene	40.000	97.4	80 - 120	5.833	5.835333	-0.0023	N/A	
Decachlorobiphenyl [2C]	40.000	106	80 - 120	14.126	14.13533	-0.0093	N/A	
Tetrachlorometaxylene [2C]	40.000	93.8	80 - 120	5.709	5.712333	-0.0033	N/A	
SLA0129-CCV4 (Solid)				Lab File ID: 01092333ECD7.D			Analyzed: 01/09/23 20:19	
Decachlorobiphenyl	40.000	107	80 - 120	13.902	13.90667	-0.0047	N/A	
Tetrachlorometaxylene	40.000	109	80 - 120	5.831	5.835333	-0.0043	N/A	
Decachlorobiphenyl [2C]	40.000	106	80 - 120	14.126	14.13533	-0.0093	N/A	
Tetrachlorometaxylene [2C]	40.000	105	80 - 120	5.707	5.712333	-0.0053	N/A	

SURROGATE RECOVERY AND RT SUMMARY
EPA 8082A

Laboratory: Analytical Resources, LLC
SDG/WO: 22L0307
Client: Anchor QEA, LLC
Project: AOC4 UR Phase 3
Sequence: SLA0129
Instrument: ECD7
Calibration: FL00010
Calibration Date: 12/03/2022

Surrogate Compound	Spike Level ug/L	% Recovery	Recovery Limits	RT	Calibration Mean RT	RT Diff	RT Diff Limit	Q
SLA0129-CCV5 (Solid)			Lab File ID: 01092344ECD7.D				Analyzed: 01/10/23 00:10	
Decachlorobiphenyl	40.000	105	80 - 120	13.902	13.90667	-0.0047	N/A	
Tetrachlorometaxylene	40.000	96.7	80 - 120	5.831	5.835333	-0.0043	N/A	
Decachlorobiphenyl [2C]	40.000	104	80 - 120	14.127	14.13533	-0.0083	N/A	
Tetrachlorometaxylene [2C]	40.000	94.3	80 - 120	5.708	5.712333	-0.0043	N/A	
SLA0129-CCV6 (Solid)			Lab File ID: 01092345ECD7.D				Analyzed: 01/10/23 00:31	
Decachlorobiphenyl	40.000	106	80 - 120	13.903	13.90667	-0.0037	N/A	
Tetrachlorometaxylene	40.000	108	80 - 120	5.831	5.835333	-0.0043	N/A	
Decachlorobiphenyl [2C]	40.000	104	80 - 120	14.127	14.13533	-0.0083	N/A	
Tetrachlorometaxylene [2C]	40.000	103	80 - 120	5.707	5.712333	-0.0053	N/A	
SLA0129-CCV7 (Solid)			Lab File ID: 01092353ECD7.D				Analyzed: 01/10/23 03:20	
Decachlorobiphenyl	40.000	95.4	80 - 120	13.903	13.90667	-0.0037	N/A	
Tetrachlorometaxylene	40.000	95.4	80 - 120	5.832	5.835333	-0.0033	N/A	
Decachlorobiphenyl [2C]	40.000	102	80 - 120	14.128	14.13533	-0.0073	N/A	
Tetrachlorometaxylene [2C]	40.000	92.6	80 - 120	5.708	5.712333	-0.0043	N/A	
SLA0129-CCV8 (Solid)			Lab File ID: 01092354ECD7.D				Analyzed: 01/10/23 03:41	
Decachlorobiphenyl	40.000	98.4	80 - 120	13.901	13.90667	-0.0057	N/A	
Tetrachlorometaxylene	40.000	107	80 - 120	5.832	5.835333	-0.0033	N/A	
Decachlorobiphenyl [2C]	40.000	104	80 - 120	14.126	14.13533	-0.0093	N/A	
Tetrachlorometaxylene [2C]	40.000	102	80 - 120	5.708	5.712333	-0.0043	N/A	
SLA0129-CCV9 (Solid)			Lab File ID: 01092369ECD7.D				Analyzed: 01/10/23 08:57	
Decachlorobiphenyl	40.000	105	80 - 120	13.901	13.90667	-0.0057	N/A	
Tetrachlorometaxylene	40.000	96.4	80 - 120	5.83	5.835333	-0.0053	N/A	
Decachlorobiphenyl [2C]	40.000	110	80 - 120	14.127	14.13533	-0.0083	N/A	
Tetrachlorometaxylene [2C]	40.000	92.4	80 - 120	5.706	5.712333	-0.0063	N/A	
SLA0129-CCVA (Solid)			Lab File ID: 01092370ECD7.D				Analyzed: 01/10/23 09:18	
Decachlorobiphenyl	40.000	109	80 - 120	13.902	13.90667	-0.0047	N/A	
Tetrachlorometaxylene	40.000	104	80 - 120	5.831	5.835333	-0.0043	N/A	
Decachlorobiphenyl [2C]	40.000	104	80 - 120	14.126	14.13533	-0.0093	N/A	
Tetrachlorometaxylene [2C]	40.000	100	80 - 120	5.707	5.712333	-0.0053	N/A	

SURROGATE RECOVERY AND RT SUMMARY
EPA 8082A

Laboratory:	Analytical Resources, LLC	SDG/WO:	22L0307
Client:	Anchor QEA, LLC	Project:	AOC4 UR Phase 3
Sequence:	SLA0129	Instrument:	ECD7
Calibration:	FL00010	Calibration Date:	12/03/2022

Surrogate Compound	Spike Level ug/L	% Recovery	Recovery Limits	RT	Calibration Mean RT	RT Diff	RT Diff Limit	Q
SLA0129-CCVB (Solid)		Lab File ID: 01092383ECD7.D				Analyzed: 01/10/23 13:52		
Decachlorobiphenyl	40.000	97.3	80 - 120	13.902	13.90667	-0.0047	N/A	
Tetrachlorometaxylene	40.000	98.9	80 - 120	5.83	5.835333	-0.0053	N/A	
Decachlorobiphenyl [2C]	40.000	107	80 - 120	14.126	14.13533	-0.0093	N/A	
Tetrachlorometaxylene [2C]	40.000	95.8	80 - 120	5.707	5.712333	-0.0053	N/A	
SLA0129-CCVC (Solid)		Lab File ID: 01092384ECD7.D				Analyzed: 01/10/23 14:13		
Decachlorobiphenyl	40.000	100	80 - 120	13.902	13.90667	-0.0047	N/A	
Tetrachlorometaxylene	40.000	103	80 - 120	5.83	5.835333	-0.0053	N/A	
Decachlorobiphenyl [2C]	40.000	106	80 - 120	14.127	14.13533	-0.0083	N/A	
Tetrachlorometaxylene [2C]	40.000	100	80 - 120	5.707	5.712333	-0.0053	N/A	

SURROGATE RECOVERY AND RT SUMMARY
EPA 8082A

Laboratory:	Analytical Resources, LLC	SDG/WO:	22L0307
Client:	Anchor QEA, LLC	Project:	AOC4 UR Phase 3
Sequence:	SLA0136	Instrument:	ECD7
Calibration:	FL00010	Calibration Date:	12/03/2022

Surrogate Compound	Spike Level ug/L	% Recovery	Recovery Limits	RT	Calibration Mean RT	RT Diff	RT Diff Limit	Q
SLA0136-ICV1 (Solid)				Lab File ID: 01112302ECD7.D			Analyzed: 01/11/23 09:17	
Decachlorobiphenyl	40.000	107	80 - 120	13.905	13.90667	-0.0017	N/A	
Tetrachlorometaxylene	40.000	92.8	80 - 120	5.831	5.835333	-0.0043	N/A	
Decachlorobiphenyl [2C]	40.000	103	80 - 120	14.128	14.13533	-0.0073	N/A	
Tetrachlorometaxylene [2C]	40.000	91.3	80 - 120	5.706	5.712333	-0.0063	N/A	
SLA0136-ICV2 (Solid)				Lab File ID: 01112303ECD7.D			Analyzed: 01/11/23 09:38	
Decachlorobiphenyl	40.000	107	80 - 120	13.903	13.90667	-0.0037	N/A	
Tetrachlorometaxylene	40.000	104	80 - 120	5.831	5.835333	-0.0043	N/A	
Decachlorobiphenyl [2C]	40.000	103	80 - 120	14.128	14.13533	-0.0073	N/A	
Tetrachlorometaxylene [2C]	40.000	102	80 - 120	5.707	5.712333	-0.0053	N/A	
SLA0136-CCV1 (Solid)				Lab File ID: 01112317ECD7.D			Analyzed: 01/11/23 14:33	
Decachlorobiphenyl	40.000	105	80 - 120	13.902	13.90667	-0.0047	N/A	
Tetrachlorometaxylene	40.000	91.3	80 - 120	5.83	5.835333	-0.0053	N/A	
Decachlorobiphenyl [2C]	40.000	102	80 - 120	14.127	14.13533	-0.0083	N/A	
Tetrachlorometaxylene [2C]	40.000	90.5	80 - 120	5.707	5.712333	-0.0053	N/A	
SLA0136-CCV2 (Solid)				Lab File ID: 01112318ECD7.D			Analyzed: 01/11/23 14:54	
Decachlorobiphenyl	40.000	109	80 - 120	13.902	13.90667	-0.0047	N/A	
Tetrachlorometaxylene	40.000	103	80 - 120	5.83	5.835333	-0.0053	N/A	
Decachlorobiphenyl [2C]	40.000	105	80 - 120	14.127	14.13533	-0.0083	N/A	
Tetrachlorometaxylene [2C]	40.000	99.5	80 - 120	5.706	5.712333	-0.0063	N/A	
SLA0136-CCV3 (Solid)				Lab File ID: 01112328ECD7.D			Analyzed: 01/11/23 18:24	
Decachlorobiphenyl	40.000	102	80 - 120	13.903	13.90667	-0.0037	N/A	
Tetrachlorometaxylene	40.000	96.5	80 - 120	5.831	5.835333	-0.0043	N/A	
Decachlorobiphenyl [2C]	40.000	100	80 - 120	14.128	14.13533	-0.0073	N/A	
Tetrachlorometaxylene [2C]	40.000	92.8	80 - 120	5.707	5.712333	-0.0053	N/A	
SLA0136-CCV4 (Solid)				Lab File ID: 01112329ECD7.D			Analyzed: 01/11/23 18:46	
Decachlorobiphenyl	40.000	108	80 - 120	13.902	13.90667	-0.0047	N/A	
Tetrachlorometaxylene	40.000	105	80 - 120	5.83	5.835333	-0.0053	N/A	
Decachlorobiphenyl [2C]	40.000	102	80 - 120	14.128	14.13533	-0.0073	N/A	
Tetrachlorometaxylene [2C]	40.000	101	80 - 120	5.706	5.712333	-0.0063	N/A	

SURROGATE RECOVERY AND RT SUMMARY
EPA 8082A

Laboratory: Analytical Resources, LLC
SDG/WO: 22L0307
Client: Anchor QEA, LLC
Project: AOC4 UR Phase 3
Sequence: SLA0136
Instrument: ECD7
Calibration: FL00010
Calibration Date: 12/03/2022

Surrogate Compound	Spike Level ug/L	% Recovery	Recovery Limits	RT	Calibration Mean RT	RT Diff	RT Diff Limit	Q
SLA0136-CCV5 (Solid)			Lab File ID: 01112346ECD7.D			Analyzed: 01/12/23 00:43		
Decachlorobiphenyl	40.000	104	80 - 120	13.901	13.90667	-0.0057	N/A	
Tetrachlorometaxylene	40.000	92.5	80 - 120	5.83	5.835333	-0.0053	N/A	
Decachlorobiphenyl [2C]	40.000	106	80 - 120	14.125	14.13533	-0.0103	N/A	
Tetrachlorometaxylene [2C]	40.000	92.0	80 - 120	5.706	5.712333	-0.0063	N/A	
SLA0136-CCV6 (Solid)			Lab File ID: 01112347ECD7.D			Analyzed: 01/12/23 01:04		
Decachlorobiphenyl	40.000	111	80 - 120	13.902	13.90667	-0.0047	N/A	
Tetrachlorometaxylene	40.000	106	80 - 120	5.831	5.835333	-0.0043	N/A	
Decachlorobiphenyl [2C]	40.000	103	80 - 120	14.127	14.13533	-0.0083	N/A	
Tetrachlorometaxylene [2C]	40.000	104	80 - 120	5.707	5.712333	-0.0053	N/A	
SLA0136-CCV7 (Solid)			Lab File ID: 01112359ECD7.D			Analyzed: 01/12/23 05:17		
Decachlorobiphenyl	40.000	104	80 - 120	13.902	13.90667	-0.0047	N/A	
Tetrachlorometaxylene	40.000	93.3	80 - 120	5.83	5.835333	-0.0053	N/A	
Decachlorobiphenyl [2C]	40.000	103	80 - 120	14.126	14.13533	-0.0093	N/A	
Tetrachlorometaxylene [2C]	40.000	94.3	80 - 120	5.707	5.712333	-0.0053	N/A	
SLA0136-CCV8 (Solid)			Lab File ID: 01112360ECD7.D			Analyzed: 01/12/23 05:38		
Decachlorobiphenyl	40.000	108	80 - 120	13.901	13.90667	-0.0057	N/A	
Tetrachlorometaxylene	40.000	105	80 - 120	5.831	5.835333	-0.0043	N/A	
Decachlorobiphenyl [2C]	40.000	104	80 - 120	14.127	14.13533	-0.0083	N/A	
Tetrachlorometaxylene [2C]	40.000	101	80 - 120	5.706	5.712333	-0.0063	N/A	
22L0307-30 (Solid)			Lab File ID: 01112361ECD7.D			Analyzed: 01/12/23 05:59		
Decachlorobiphenyl	7.9935	88.8	40 - 126	13.894	13.90667	-0.0127	N/A	
Tetrachlorometaxylene	7.9935	55.9	44 - 120	5.825	5.835333	-0.0103	N/A	
Decachlorobiphenyl [2C]	7.9935	74.3	40 - 126	14.12	14.13533	-0.0153	N/A	
Tetrachlorometaxylene [2C]	7.9935	65.4	44 - 120	5.702	5.712333	-0.0103	N/A	
22L0307-37 (Solid)			Lab File ID: 01112362ECD7.D			Analyzed: 01/12/23 06:20		
Decachlorobiphenyl	7.9884	212	40 - 126	13.894	13.90667	-0.0127	N/A	*
Tetrachlorometaxylene	7.9884	60.9	44 - 120	5.827	5.835333	-0.0083	N/A	
Decachlorobiphenyl [2C]	7.9884	173	40 - 126	14.121	14.13533	-0.0143	N/A	*
Tetrachlorometaxylene [2C]	7.9884	74.4	44 - 120	5.703	5.712333	-0.0093	N/A	

SURROGATE RECOVERY AND RT SUMMARY

EPA 8082A

Laboratory:	Analytical Resources, LLC	SDG/WO:	22L0307
Client:	Anchor QEA, LLC	Project:	AOC4 UR Phase 3
Sequence:	SLA0136	Instrument:	ECD7
Calibration:	FL00010	Calibration Date:	12/03/2022

Surrogate Compound	Spike Level ug/kg dry	% Recovery	Recovery Limits	RT	Calibration Mean RT	RT Diff	RT Diff Limit	Q
22L0307-62 (Solid)			Lab File ID: 01112363ECD7.D			Analyzed: 01/12/23 06:41		
Decachlorobiphenyl	7.9648	97.7	40 - 126	13.893	13.90667	-0.0137	N/A	
Tetrachlorometaxylene	7.9648	74.7	44 - 120	5.827	5.835333	-0.0083	N/A	
Decachlorobiphenyl [2C]	7.9648	88.9	40 - 126	14.122	14.13533	-0.0133	N/A	
Tetrachlorometaxylene [2C]	7.9648	79.0	44 - 120	5.704	5.712333	-0.0083	N/A	
22L0307-64 (Solid)			Lab File ID: 01112364ECD7.D			Analyzed: 01/12/23 07:02		
Decachlorobiphenyl	8.0017	90.5	40 - 126	13.894	13.90667	-0.0127	N/A	
Tetrachlorometaxylene	8.0017	68.7	44 - 120	5.827	5.835333	-0.0083	N/A	
Decachlorobiphenyl [2C]	8.0017	79.2	40 - 126	14.121	14.13533	-0.0143	N/A	
Tetrachlorometaxylene [2C]	8.0017	74.5	44 - 120	5.703	5.712333	-0.0093	N/A	
SLA0136-CCV9 (Solid)			Lab File ID: 01112374ECD7.D			Analyzed: 01/12/23 10:33		
Decachlorobiphenyl	40.000	99.0	80 - 120	13.903	13.90667	-0.0037	N/A	
Tetrachlorometaxylene	40.000	97.0	80 - 120	5.831	5.835333	-0.0043	N/A	
Decachlorobiphenyl [2C]	40.000	99.3	80 - 120	14.128	14.13533	-0.0073	N/A	
Tetrachlorometaxylene [2C]	40.000	95.5	80 - 120	5.708	5.712333	-0.0043	N/A	
SLA0136-CCVA (Solid)			Lab File ID: 01112375ECD7.D			Analyzed: 01/12/23 10:54		
Decachlorobiphenyl	40.000	106	80 - 120	13.901	13.90667	-0.0057	N/A	
Tetrachlorometaxylene	40.000	104	80 - 120	5.831	5.835333	-0.0043	N/A	
Decachlorobiphenyl [2C]	40.000	100	80 - 120	14.126	14.13533	-0.0093	N/A	
Tetrachlorometaxylene [2C]	40.000	101	80 - 120	5.707	5.712333	-0.0053	N/A	

SURROGATE RECOVERY AND RT SUMMARY
EPA 8082A

Laboratory:	Analytical Resources, LLC	SDG/WO:	22L0307
Client:	Anchor QEA, LLC	Project:	AOC4 UR Phase 3
Sequence:	SLA0156	Instrument:	ECD7
Calibration:	FL00010	Calibration Date:	12/03/2022

Surrogate Compound	Spike Level ug/L	% Recovery	Recovery Limits	RT	Calibration Mean RT	RT Diff	RT Diff Limit	Q
SLA0156-ICV1 (Solid)			Lab File ID: 01102302ECD7.D				Analyzed: 01/10/23 16:50	
Decachlorobiphenyl	40.000	107	80 - 120	13.903	13.90667	-0.0037	N/A	
Tetrachlorometaxylene	40.000	93.0	80 - 120	5.831	5.835333	-0.0043	N/A	
Decachlorobiphenyl [2C]	40.000	106	80 - 120	14.127	14.13533	-0.0083	N/A	
Tetrachlorometaxylene [2C]	40.000	91.3	80 - 120	5.706	5.712333	-0.0063	N/A	
SLA0156-ICV2 (Solid)			Lab File ID: 01102303ECD7.D				Analyzed: 01/10/23 17:11	
Decachlorobiphenyl	40.000	105	80 - 120	13.902	13.90667	-0.0047	N/A	
Tetrachlorometaxylene	40.000	104	80 - 120	5.83	5.835333	-0.0053	N/A	
Decachlorobiphenyl [2C]	40.000	105	80 - 120	14.127	14.13533	-0.0083	N/A	
Tetrachlorometaxylene [2C]	40.000	99.8	80 - 120	5.707	5.712333	-0.0053	N/A	
SLA0156-CCV1 (Solid)			Lab File ID: 01102319ECD7.D				Analyzed: 01/10/23 22:48	
Decachlorobiphenyl	40.000	103	80 - 120	13.901	13.90667	-0.0057	N/A	
Tetrachlorometaxylene	40.000	90.8	80 - 120	5.832	5.835333	-0.0033	N/A	
Decachlorobiphenyl [2C]	40.000	101	80 - 120	14.126	14.13533	-0.0093	N/A	
Tetrachlorometaxylene [2C]	40.000	90.3	80 - 120	5.708	5.712333	-0.0043	N/A	
SLA0156-CCV2 (Solid)			Lab File ID: 01102320ECD7.D				Analyzed: 01/10/23 23:09	
Decachlorobiphenyl	40.000	111	80 - 120	13.901	13.90667	-0.0057	N/A	
Tetrachlorometaxylene	40.000	103	80 - 120	5.832	5.835333	-0.0033	N/A	
Decachlorobiphenyl [2C]	40.000	106	80 - 120	14.127	14.13533	-0.0083	N/A	
Tetrachlorometaxylene [2C]	40.000	98.8	80 - 120	5.708	5.712333	-0.0043	N/A	
22L0307-57 (Solid)			Lab File ID: 01102323ECD7.D				Analyzed: 01/11/23 00:13	
Decachlorobiphenyl	7.9979	107	40 - 126	13.894	13.90667	-0.0127	N/A	
Tetrachlorometaxylene	7.9979	65.5	44 - 120	5.827	5.835333	-0.0083	N/A	
Decachlorobiphenyl [2C]	7.9979	90.9	40 - 126	14.12	14.13533	-0.0153	N/A	
Tetrachlorometaxylene [2C]	7.9979	70.9	44 - 120	5.703	5.712333	-0.0093	N/A	
22L0307-60 (Solid)			Lab File ID: 01102324ECD7.D				Analyzed: 01/11/23 00:34	
Decachlorobiphenyl	8.0011	97.5	40 - 126	13.894	13.90667	-0.0127	N/A	
Tetrachlorometaxylene	8.0011	69.7	44 - 120	5.826	5.835333	-0.0093	N/A	
Decachlorobiphenyl [2C]	8.0011	88.7	40 - 126	14.122	14.13533	-0.0133	N/A	
Tetrachlorometaxylene [2C]	8.0011	76.2	44 - 120	5.703	5.712333	-0.0093	N/A	

SURROGATE RECOVERY AND RT SUMMARY
EPA 8082A

Laboratory:	Analytical Resources, LLC	SDG/WO:	22L0307
Client:	Anchor QEA, LLC	Project:	AOC4 UR Phase 3
Sequence:	SLA0156	Instrument:	ECD7
Calibration:	FL00010	Calibration Date:	12/03/2022

Surrogate Compound	Spike Level ug/L	% Recovery	Recovery Limits	RT	Calibration Mean RT	RT Diff	RT Diff Limit	Q
SLA0156-CCV3 (Solid)				Lab File ID: 01102325ECD7.D			Analyzed: 01/11/23 00:55	
Decachlorobiphenyl	40.000	106	80 - 120	13.902	13.90667	-0.0047	N/A	
Tetrachlorometaxylene	40.000	96.5	80 - 120	5.831	5.835333	-0.0043	N/A	
Decachlorobiphenyl [2C]	40.000	109	80 - 120	14.127	14.13533	-0.0083	N/A	
Tetrachlorometaxylene [2C]	40.000	94.3	80 - 120	5.707	5.712333	-0.0053	N/A	
SLA0156-CCV4 (Solid)				Lab File ID: 01102326ECD7.D			Analyzed: 01/11/23 01:16	
Decachlorobiphenyl	40.000	113	80 - 120	13.902	13.90667	-0.0047	N/A	
Tetrachlorometaxylene	40.000	105	80 - 120	5.833	5.835333	-0.0023	N/A	
Decachlorobiphenyl [2C]	40.000	106	80 - 120	14.127	14.13533	-0.0083	N/A	
Tetrachlorometaxylene [2C]	40.000	100	80 - 120	5.709	5.712333	-0.0033	N/A	
SLA0156-CCV5 (Solid)				Lab File ID: 01102341ECD7.D			Analyzed: 01/11/23 06:32	
Decachlorobiphenyl	40.000	98.0	80 - 120	13.903	13.90667	-0.0037	N/A	
Tetrachlorometaxylene	40.000	95.0	80 - 120	5.831	5.835333	-0.0043	N/A	
Decachlorobiphenyl [2C]	40.000	104	80 - 120	14.128	14.13533	-0.0073	N/A	
Tetrachlorometaxylene [2C]	40.000	94.5	80 - 120	5.708	5.712333	-0.0043	N/A	
SLA0156-CCV6 (Solid)				Lab File ID: 01102342ECD7.D			Analyzed: 01/11/23 06:53	
Decachlorobiphenyl	40.000	104	80 - 120	13.902	13.90667	-0.0047	N/A	
Tetrachlorometaxylene	40.000	104	80 - 120	5.831	5.835333	-0.0043	N/A	
Decachlorobiphenyl [2C]	40.000	104	80 - 120	14.127	14.13533	-0.0083	N/A	
Tetrachlorometaxylene [2C]	40.000	99.5	80 - 120	5.707	5.712333	-0.0053	N/A	

INTERNAL STANDARD AREA AND RT SUMMARY

EPA 8082A

Laboratory:	Analytical Resources, LLC	SDG:	22L0307
Client:	Anchor QEA, LLC	Project:	AOC4 UR Phase 3
Sequence:	SKL0048	Instrument:	ECD7
		Calibration:	FL00010

Internal Standard	Response	RT	Reference Response	Reference RT	Area %	Area % Limits	RT Diff	RT Diff Limit	Q
Secondary Cal Check (SKL0048-SCV1)		(Water)		Lab File ID: 12032222ECD7.D			Analyzed: 12/03/22 22:13		
1-Bromo-2-Nitrobenzene	483506	3.518	457669	3.516	106	50 - 200	0.002	+/-0.50	
Hexabromobiphenyl	892033	14.281	837264	14.278	107	50 - 200	0.003	+/-0.50	
1-Bromo-2-Nitrobenzene [2C]	270882	3.956	254712	3.955	106	50 - 200	0.001	+/-0.50	
Hexabromobiphenyl [2C]	432562	15.023	387892	15.021	112	50 - 200	0.002	+/-0.50	
Secondary Cal Check (SKL0048-SCV2)		(Water)		Lab File ID: 12032223ECD7.D			Analyzed: 12/03/22 22:34		
1-Bromo-2-Nitrobenzene	480791	3.515	457669	3.516	105	50 - 200	-0.001	+/-0.50	
Hexabromobiphenyl	896515	14.281	837264	14.278	107	50 - 200	0.003	+/-0.50	
1-Bromo-2-Nitrobenzene [2C]	270117	3.955	254712	3.955	106	50 - 200	0.000	+/-0.50	
Hexabromobiphenyl [2C]	422729	15.023	387892	15.021	109	50 - 200	0.002	+/-0.50	
Secondary Cal Check (SKL0048-SCV3)		(Water)		Lab File ID: 12032224ECD7.D			Analyzed: 12/03/22 22:55		
1-Bromo-2-Nitrobenzene	484977	3.515	457669	3.516	106	50 - 200	-0.001	+/-0.50	
Hexabromobiphenyl	915518	14.281	837264	14.278	109	50 - 200	0.003	+/-0.50	
1-Bromo-2-Nitrobenzene [2C]	272055	3.955	254712	3.955	107	50 - 200	0.000	+/-0.50	
Hexabromobiphenyl [2C]	426674	15.023	387892	15.021	110	50 - 200	0.002	+/-0.50	
Secondary Cal Check (SKL0048-SCV4)		(Water)		Lab File ID: 12032225ECD7.D			Analyzed: 12/03/22 23:17		
1-Bromo-2-Nitrobenzene	484642	3.516	457669	3.516	106	50 - 200	0.000	+/-0.50	
Hexabromobiphenyl	917405	14.28	837264	14.278	110	50 - 200	0.002	+/-0.50	
1-Bromo-2-Nitrobenzene [2C]	270782	3.955	254712	3.955	106	50 - 200	0.000	+/-0.50	
Hexabromobiphenyl [2C]	431238	15.024	387892	15.021	111	50 - 200	0.003	+/-0.50	
Secondary Cal Check (SKL0048-SCV5)		(Water)		Lab File ID: 12032226ECD7.D			Analyzed: 12/03/22 23:38		
1-Bromo-2-Nitrobenzene	482097	3.517	457669	3.516	105	50 - 200	0.001	+/-0.50	
Hexabromobiphenyl	913775	14.28	837264	14.278	109	50 - 200	0.002	+/-0.50	
1-Bromo-2-Nitrobenzene [2C]	268757	3.956	254712	3.955	106	50 - 200	0.001	+/-0.50	
Hexabromobiphenyl [2C]	434790	15.024	387892	15.021	112	50 - 200	0.003	+/-0.50	
Secondary Cal Check (SKL0048-SCV6)		(Water)		Lab File ID: 12032227ECD7.D			Analyzed: 12/03/22 23:59		
1-Bromo-2-Nitrobenzene	483276	3.514	457669	3.516	106	50 - 200	-0.002	+/-0.50	
Hexabromobiphenyl	920878	14.281	837264	14.278	110	50 - 200	0.003	+/-0.50	
1-Bromo-2-Nitrobenzene [2C]	270175	3.953	254712	3.955	106	50 - 200	-0.002	+/-0.50	
Hexabromobiphenyl [2C]	435731	15.023	387892	15.021	112	50 - 200	0.002	+/-0.50	

INTERNAL STANDARD AREA AND RT SUMMARY

EPA 8082A

Laboratory:	Analytical Resources, LLC	SDG:	22L0307
Client:	Anchor QEA, LLC	Project:	AOC4 UR Phase 3
Sequence:	SLA0071	Instrument:	ECD7
		Calibration:	FL00010

Internal Standard	Response	RT	Reference Response	Reference RT	Area %	Area % Limits	RT Diff	RT Diff Limit	Q
Initial Cal Check (SLA0071-ICV1)		(Solid)	Lab File ID: 12312202ECD7.D				Analyzed: 12/31/22 10:31		
1-Bromo-2-Nitrobenzene	344112	3.514	249010	3.514	138	50 - 200	0.000	+/-0.50	
Hexabromobiphenyl	676537	14.272	553454	14.272	122	50 - 200	0.000	+/-0.50	
1-Bromo-2-Nitrobenzene [2C]	228034	3.951	167297	3.952	136	50 - 200	-0.001	+/-0.50	
Hexabromobiphenyl [2C]	342022	15.014	281315	15.015	122	50 - 200	-0.001	+/-0.50	
Initial Cal Check (SLA0071-ICV2)		(Solid)	Lab File ID: 12312203ECD7.D				Analyzed: 12/31/22 10:52		
1-Bromo-2-Nitrobenzene	249010	3.514	249010	3.514	100	50 - 200	0.000	+/-0.50	
Hexabromobiphenyl	553454	14.272	553454	14.272	100	50 - 200	0.000	+/-0.50	
1-Bromo-2-Nitrobenzene [2C]	167297	3.952	167297	3.952	100	50 - 200	0.000	+/-0.50	
Hexabromobiphenyl [2C]	281315	15.015	281315	15.015	100	50 - 200	0.000	+/-0.50	
Blank (BKL0581-BLK1)		(Solid)	Lab File ID: 12312222ECD7.D				Analyzed: 12/31/22 17:32		
1-Bromo-2-Nitrobenzene	486906	3.515	249010	3.514	196	50 - 200	0.001	+/-0.50	
Hexabromobiphenyl	928998	14.271	553454	14.272	168	50 - 200	-0.001	+/-0.50	
1-Bromo-2-Nitrobenzene [2C]	333120	3.953	167297	3.952	199	50 - 200	0.001	+/-0.50	
Hexabromobiphenyl [2C]	520174	15.014	281315	15.015	185	50 - 200	-0.001	+/-0.50	
LCS (BKL0581-BS1)		(Solid)	Lab File ID: 12312223ECD7.D				Analyzed: 12/31/22 17:53		
1-Bromo-2-Nitrobenzene	497526	3.514	249010	3.514	200	50 - 200	0.000	+/-0.50	
Hexabromobiphenyl	1007055	14.271	553454	14.272	182	50 - 200	-0.001	+/-0.50	
1-Bromo-2-Nitrobenzene [2C]	337799	3.951	167297	3.952	202	50 - 200	-0.001	+/-0.50	*
Hexabromobiphenyl [2C]	537496	15.013	281315	15.015	191	50 - 200	-0.002	+/-0.50	
LCS Dup (BKL0581-BSD1)		(Solid)	Lab File ID: 12312224ECD7.D				Analyzed: 12/31/22 18:14		
1-Bromo-2-Nitrobenzene	539622	3.514	249010	3.514	217	50 - 200	0.000	+/-0.50	*
Hexabromobiphenyl	1073986	14.272	553454	14.272	194	50 - 200	0.000	+/-0.50	
1-Bromo-2-Nitrobenzene [2C]	364172	3.951	167297	3.952	218	50 - 200	-0.001	+/-0.50	*
Hexabromobiphenyl [2C]	587340	15.014	281315	15.015	209	50 - 200	-0.001	+/-0.50	*
Reference (BKL0581-SRM1)		(Solid)	Lab File ID: 12312225ECD7.D				Analyzed: 12/31/22 18:36		
1-Bromo-2-Nitrobenzene	515318	3.516	249010	3.514	207	50 - 200	0.002	+/-0.50	*
Hexabromobiphenyl	727027	14.262	553454	14.272	131	50 - 200	-0.010	+/-0.50	
1-Bromo-2-Nitrobenzene [2C]	334043	3.953	167297	3.952	200	50 - 200	0.001	+/-0.50	
Hexabromobiphenyl [2C]	474259	15.008	281315	15.015	169	50 - 200	-0.007	+/-0.50	

INTERNAL STANDARD AREA AND RT SUMMARY

EPA 8082A

Laboratory:	Analytical Resources, LLC	SDG:	22L0307
Client:	Anchor QEA, LLC	Project:	AOC4 UR Phase 3
Sequence:	SLA0071	Instrument:	ECD7
		Calibration:	FL00010

Internal Standard	Response	RT	Reference Response	Reference RT	Area %	Area % Limits	RT Diff	RT Diff Limit	Q
Matrix Spike (BKL0581-MS1)		(Solid)	Lab File ID: 12312226ECD7.D				Analyzed: 12/31/22 18:57		
1-Bromo-2-Nitrobenzene	505981	3.514	249010	3.514	203	50 - 200	0.000	+/-0.50	*
Hexabromobiphenyl	916497	14.268	553454	14.272	166	50 - 200	-0.004	+/-0.50	
1-Bromo-2-Nitrobenzene [2C]	343299	3.952	167297	3.952	205	50 - 200	0.000	+/-0.50	*
Hexabromobiphenyl [2C]	527064	15.014	281315	15.015	187	50 - 200	-0.001	+/-0.50	
Matrix Spike Dup (BKL0581-MSD1)		(Solid)	Lab File ID: 12312227ECD7.D				Analyzed: 12/31/22 19:18		
1-Bromo-2-Nitrobenzene	507512	3.514	249010	3.514	204	50 - 200	0.000	+/-0.50	*
Hexabromobiphenyl	955555	14.269	553454	14.272	173	50 - 200	-0.003	+/-0.50	
1-Bromo-2-Nitrobenzene [2C]	344302	3.95	167297	3.952	206	50 - 200	-0.002	+/-0.50	*
Hexabromobiphenyl [2C]	532197	15.013	281315	15.015	189	50 - 200	-0.002	+/-0.50	
LDW22-IT793B (22L0307-02)		(Solid)	Lab File ID: 12312229ECD7.D				Analyzed: 12/31/22 20:00		
1-Bromo-2-Nitrobenzene	478479	3.514	249010	3.514	192	50 - 200	0.000	+/-0.50	
Hexabromobiphenyl	756547	14.266	553454	14.272	137	50 - 200	-0.006	+/-0.50	
1-Bromo-2-Nitrobenzene [2C]	318728	3.952	167297	3.952	191	50 - 200	0.000	+/-0.50	
Hexabromobiphenyl [2C]	450798	15.01	281315	15.015	160	50 - 200	-0.005	+/-0.50	
LDW22-IT793C (22L0307-03)		(Solid)	Lab File ID: 12312230ECD7.D				Analyzed: 12/31/22 20:21		
1-Bromo-2-Nitrobenzene	486296	3.516	249010	3.514	195	50 - 200	0.002	+/-0.50	
Hexabromobiphenyl	757854	14.265	553454	14.272	137	50 - 200	-0.007	+/-0.50	
1-Bromo-2-Nitrobenzene [2C]	326568	3.953	167297	3.952	195	50 - 200	0.001	+/-0.50	
Hexabromobiphenyl [2C]	456841	15.008	281315	15.015	162	50 - 200	-0.007	+/-0.50	
LDW22-IT793D (22L0307-04)		(Solid)	Lab File ID: 12312231ECD7.D				Analyzed: 12/31/22 20:42		
1-Bromo-2-Nitrobenzene	487177	3.513	249010	3.514	196	50 - 200	-0.001	+/-0.50	
Hexabromobiphenyl	872547	14.266	553454	14.272	158	50 - 200	-0.006	+/-0.50	
1-Bromo-2-Nitrobenzene [2C]	325104	3.951	167297	3.952	194	50 - 200	-0.001	+/-0.50	
Hexabromobiphenyl [2C]	487980	15.011	281315	15.015	173	50 - 200	-0.004	+/-0.50	
LDW22-IT793D-FD (22L0307-05)		(Solid)	Lab File ID: 12312232ECD7.D				Analyzed: 12/31/22 21:03		
1-Bromo-2-Nitrobenzene	489454	3.513	249010	3.514	197	50 - 200	-0.001	+/-0.50	
Hexabromobiphenyl	861136	14.265	553454	14.272	156	50 - 200	-0.007	+/-0.50	
1-Bromo-2-Nitrobenzene [2C]	333117	3.951	167297	3.952	199	50 - 200	-0.001	+/-0.50	
Hexabromobiphenyl [2C]	483911	15.011	281315	15.015	172	50 - 200	-0.004	+/-0.50	

INTERNAL STANDARD AREA AND RT SUMMARY

EPA 8082A

Laboratory:	Analytical Resources, LLC	SDG:	22L0307
Client:	Anchor QEA, LLC	Project:	AOC4 UR Phase 3
Sequence:	SLA0071	Instrument:	ECD7
		Calibration:	FL00010

Internal Standard	Response	RT	Reference Response	Reference RT	Area %	Area % Limits	RT Diff	RT Diff Limit	Q
LDW22-IT793E (22L0307-06)		(Solid)	Lab File ID: 12312233ECD7.D				Analyzed: 12/31/22 21:24		
1-Bromo-2-Nitrobenzene	510652	3.514	249010	3.514	205	50 - 200	0.000	+/-0.50	*
Hexabromobiphenyl	951376	14.268	553454	14.272	172	50 - 200	-0.004	+/-0.50	
1-Bromo-2-Nitrobenzene [2C]	331679	3.951	167297	3.952	198	50 - 200	-0.001	+/-0.50	
Hexabromobiphenyl [2C]	515512	15.012	281315	15.015	183	50 - 200	-0.003	+/-0.50	
LDW22-IT793F (22L0307-07)		(Solid)	Lab File ID: 12312234ECD7.D				Analyzed: 12/31/22 21:45		
1-Bromo-2-Nitrobenzene	497800	3.514	249010	3.514	200	50 - 200	0.000	+/-0.50	
Hexabromobiphenyl	1005074	14.268	553454	14.272	182	50 - 200	-0.004	+/-0.50	
1-Bromo-2-Nitrobenzene [2C]	337982	3.951	167297	3.952	202	50 - 200	-0.001	+/-0.50	*
Hexabromobiphenyl [2C]	530156	15.012	281315	15.015	188	50 - 200	-0.003	+/-0.50	
LDW22-IT795D (22L0307-11)		(Solid)	Lab File ID: 12312240ECD7.D				Analyzed: 12/31/22 23:52		
1-Bromo-2-Nitrobenzene	484739	3.515	249010	3.514	195	50 - 200	0.001	+/-0.50	
Hexabromobiphenyl	884096	14.266	553454	14.272	160	50 - 200	-0.006	+/-0.50	
1-Bromo-2-Nitrobenzene [2C]	332305	3.953	167297	3.952	199	50 - 200	0.001	+/-0.50	
Hexabromobiphenyl [2C]	514134	15.011	281315	15.015	183	50 - 200	-0.004	+/-0.50	
LDW22-IT795E (22L0307-12)		(Solid)	Lab File ID: 12312241ECD7.D				Analyzed: 01/01/23 00:13		
1-Bromo-2-Nitrobenzene	486536	3.514	249010	3.514	195	50 - 200	0.000	+/-0.50	
Hexabromobiphenyl	934345	14.267	553454	14.272	169	50 - 200	-0.005	+/-0.50	
1-Bromo-2-Nitrobenzene [2C]	331768	3.952	167297	3.952	198	50 - 200	0.000	+/-0.50	
Hexabromobiphenyl [2C]	523031	15.012	281315	15.015	186	50 - 200	-0.003	+/-0.50	
LDW22-IT795F (22L0307-13)		(Solid)	Lab File ID: 12312242ECD7.D				Analyzed: 01/01/23 00:34		
1-Bromo-2-Nitrobenzene	503182	3.516	249010	3.514	202	50 - 200	0.002	+/-0.50	*
Hexabromobiphenyl	991762	14.271	553454	14.272	179	50 - 200	-0.001	+/-0.50	
1-Bromo-2-Nitrobenzene [2C]	340534	3.953	167297	3.952	204	50 - 200	0.001	+/-0.50	*
Hexabromobiphenyl [2C]	554891	15.012	281315	15.015	197	50 - 200	-0.003	+/-0.50	
LDW22-IT795G (22L0307-14)		(Solid)	Lab File ID: 12312243ECD7.D				Analyzed: 01/01/23 00:55		
1-Bromo-2-Nitrobenzene	516353	3.514	249010	3.514	207	50 - 200	0.000	+/-0.50	*
Hexabromobiphenyl	937625	14.266	553454	14.272	169	50 - 200	-0.006	+/-0.50	
1-Bromo-2-Nitrobenzene [2C]	336416	3.951	167297	3.952	201	50 - 200	-0.001	+/-0.50	*
Hexabromobiphenyl [2C]	538179	15.012	281315	15.015	191	50 - 200	-0.003	+/-0.50	

INTERNAL STANDARD AREA AND RT SUMMARY

EPA 8082A

Laboratory:	Analytical Resources, LLC	SDG:	22L0307
Client:	Anchor QEA, LLC	Project:	AOC4 UR Phase 3
Sequence:	SLA0071	Instrument:	ECD7
		Calibration:	FL00010

Internal Standard	Response	RT	Reference Response	Reference RT	Area %	Area % Limits	RT Diff	RT Diff Limit	Q
LDW22-IT806A (22L0307-15)		(Solid)	Lab File ID: 12312244ECD7.D				Analyzed: 01/01/23 01:16		
1-Bromo-2-Nitrobenzene	531696	3.513	249010	3.514	214	50 - 200	-0.001	+/-0.50	*
Hexabromobiphenyl	807874	14.261	553454	14.272	146	50 - 200	-0.011	+/-0.50	
1-Bromo-2-Nitrobenzene [2C]	351751	3.95	167297	3.952	210	50 - 200	-0.002	+/-0.50	*
Hexabromobiphenyl [2C]	494548	15.008	281315	15.015	176	50 - 200	-0.007	+/-0.50	
LDW22-IT806B (22L0307-16)		(Solid)	Lab File ID: 12312245ECD7.D				Analyzed: 01/01/23 01:37		
1-Bromo-2-Nitrobenzene	517544	3.516	249010	3.514	208	50 - 200	0.002	+/-0.50	*
Hexabromobiphenyl	512627	14.259	553454	14.272	93	50 - 200	-0.013	+/-0.50	
1-Bromo-2-Nitrobenzene [2C]	316920	3.953	167297	3.952	189	50 - 200	0.001	+/-0.50	
Hexabromobiphenyl [2C]	358549	15.006	281315	15.015	127	50 - 200	-0.009	+/-0.50	
LDW22-IT806C (22L0307-17)		(Solid)	Lab File ID: 12312246ECD7.D				Analyzed: 01/01/23 01:58		
1-Bromo-2-Nitrobenzene	473645	3.514	249010	3.514	190	50 - 200	0.000	+/-0.50	
Hexabromobiphenyl	460863	14.258	553454	14.272	83	50 - 200	-0.014	+/-0.50	
1-Bromo-2-Nitrobenzene [2C]	303038	3.95	167297	3.952	181	50 - 200	-0.002	+/-0.50	
Hexabromobiphenyl [2C]	357226	15.006	281315	15.015	127	50 - 200	-0.009	+/-0.50	
LDW22-IT806D (22L0307-18)		(Solid)	Lab File ID: 12312247ECD7.D				Analyzed: 01/01/23 02:19		
1-Bromo-2-Nitrobenzene	461622	3.514	249010	3.514	185	50 - 200	0.000	+/-0.50	
Hexabromobiphenyl	506218	14.258	553454	14.272	91	50 - 200	-0.014	+/-0.50	
1-Bromo-2-Nitrobenzene [2C]	303544	3.951	167297	3.952	181	50 - 200	-0.001	+/-0.50	
Hexabromobiphenyl [2C]	358925	15.006	281315	15.015	128	50 - 200	-0.009	+/-0.50	
LDW22-IT806E (22L0307-19)		(Solid)	Lab File ID: 12312248ECD7.D				Analyzed: 01/01/23 02:40		
1-Bromo-2-Nitrobenzene	471564	3.513	249010	3.514	189	50 - 200	-0.001	+/-0.50	
Hexabromobiphenyl	618976	14.261	553454	14.272	112	50 - 200	-0.011	+/-0.50	
1-Bromo-2-Nitrobenzene [2C]	321421	3.951	167297	3.952	192	50 - 200	-0.001	+/-0.50	
Hexabromobiphenyl [2C]	416703	15.008	281315	15.015	148	50 - 200	-0.007	+/-0.50	
LDW22-IT806F (22L0307-20)		(Solid)	Lab File ID: 12312249ECD7.D				Analyzed: 01/01/23 03:01		
1-Bromo-2-Nitrobenzene	488637	3.515	249010	3.514	196	50 - 200	0.001	+/-0.50	
Hexabromobiphenyl	848569	14.267	553454	14.272	153	50 - 200	-0.005	+/-0.50	
1-Bromo-2-Nitrobenzene [2C]	334189	3.953	167297	3.952	200	50 - 200	0.001	+/-0.50	
Hexabromobiphenyl [2C]	493614	15.012	281315	15.015	175	50 - 200	-0.003	+/-0.50	

INTERNAL STANDARD AREA AND RT SUMMARY

EPA 8082A

Laboratory:	Analytical Resources, LLC	SDG:	22L0307
Client:	Anchor QEA, LLC	Project:	AOC4 UR Phase 3
Sequence:	SLA0079	Instrument:	ECD7
		Calibration:	FL00010

Internal Standard	Response	RT	Reference Response	Reference RT	Area %	Area % Limits	RT Diff	RT Diff Limit	Q
Initial Cal Check (SLA0079-ICV1)		(Solid)		Lab File ID: 01032302ECD7.D			Analyzed: 01/03/23 07:15		
1-Bromo-2-Nitrobenzene	337001	3.514	337001	3.514	100	50 - 200	0.000	+/-0.50	
Hexabromobiphenyl	738202	14.273	738202	14.273	100	50 - 200	0.000	+/-0.50	
1-Bromo-2-Nitrobenzene [2C]	233904	3.95	233904	3.95	100	50 - 200	0.000	+/-0.50	
Hexabromobiphenyl [2C]	392020	15.014	392020	15.014	100	50 - 200	0.000	+/-0.50	
Initial Cal Check (SLA0079-ICV2)		(Solid)		Lab File ID: 01032303ECD7.D			Analyzed: 01/03/23 07:36		
1-Bromo-2-Nitrobenzene	259175	3.513	337001	3.514	77	50 - 200	-0.001	+/-0.50	
Hexabromobiphenyl	638343	14.27	738202	14.273	86	50 - 200	-0.003	+/-0.50	
1-Bromo-2-Nitrobenzene [2C]	180225	3.95	233904	3.95	77	50 - 200	0.000	+/-0.50	
Hexabromobiphenyl [2C]	337549	15.014	392020	15.014	86	50 - 200	0.000	+/-0.50	
LDW22-IT795B (22L0307-08)		(Solid)		Lab File ID: 01032306ECD7.D			Analyzed: 01/03/23 10:02		
1-Bromo-2-Nitrobenzene	440076	3.513	259175	3.513	170	50 - 200	0.000	+/-0.50	
Hexabromobiphenyl	928721	14.272	638343	14.27	145	50 - 200	0.002	+/-0.50	
1-Bromo-2-Nitrobenzene [2C]	308181	3.95	180225	3.95	171	50 - 200	0.000	+/-0.50	
Hexabromobiphenyl [2C]	497495	15.013	337549	15.014	147	50 - 200	-0.001	+/-0.50	
LDW22-IT795C (22L0307-09)		(Solid)		Lab File ID: 01032307ECD7.D			Analyzed: 01/03/23 10:23		
1-Bromo-2-Nitrobenzene	441818	3.515	259175	3.513	170	50 - 200	0.002	+/-0.50	
Hexabromobiphenyl	998086	14.271	638343	14.27	156	50 - 200	0.001	+/-0.50	
1-Bromo-2-Nitrobenzene [2C]	309185	3.952	180225	3.95	172	50 - 200	0.002	+/-0.50	
Hexabromobiphenyl [2C]	518413	15.013	337549	15.014	154	50 - 200	-0.001	+/-0.50	
LDW22-IT795C-FD (22L0307-10)		(Solid)		Lab File ID: 01032308ECD7.D			Analyzed: 01/03/23 10:44		
1-Bromo-2-Nitrobenzene	461321	3.513	259175	3.513	178	50 - 200	0.000	+/-0.50	
Hexabromobiphenyl	1057922	14.272	638343	14.27	166	50 - 200	0.002	+/-0.50	
1-Bromo-2-Nitrobenzene [2C]	321343	3.951	180225	3.95	178	50 - 200	0.001	+/-0.50	
Hexabromobiphenyl [2C]	545014	15.015	337549	15.014	161	50 - 200	0.001	+/-0.50	

INTERNAL STANDARD AREA AND RT SUMMARY
EPA 8082A

Laboratory:	Analytical Resources, LLC	SDG:	22L0307
Client:	Anchor QEA, LLC	Project:	AOC4 UR Phase 3
Sequence:	SLA0096	Instrument:	ECD7
		Calibration:	FL00010

Internal Standard	Response	RT	Reference Response	Reference RT	Area %	Area % Limits	RT Diff	RT Diff Limit	Q
LDW22-IT793A (22L0307-01)		(Solid)		Lab File ID: 01052389ECD7.D			Analyzed: 01/06/23 19:18		
1-Bromo-2-Nitrobenzene	456621	3.514	323732	3.513	141	50 - 200	0.001	+/-0.50	
Hexabromobiphenyl	614702	14.265	595785	14.273	103	50 - 200	-0.008	+/-0.50	
1-Bromo-2-Nitrobenzene [2C]	315848	3.951	220879	3.951	143	50 - 200	0.000	+/-0.50	
Hexabromobiphenyl [2C]	415371	15.009	352718	15.014	118	50 - 200	-0.005	+/-0.50	

INTERNAL STANDARD AREA AND RT SUMMARY

EPA 8082A

Laboratory:	Analytical Resources, LLC	SDG:	22L0307
Client:	Anchor QEA, LLC	Project:	AOC4 UR Phase 3
Sequence:	SLA0099	Instrument:	ECD7
		Calibration:	FL00010

Internal Standard	Response	RT	Reference Response	Reference RT	Area %	Area % Limits	RT Diff	RT Diff Limit	Q
Initial Cal Check (SLA0099-ICV1)		(Solid)	Lab File ID: 01072302ECD7.D				Analyzed: 01/07/23 09:37		
1-Bromo-2-Nitrobenzene	310284	3.515	310284	3.515	100	50 - 200	0.000	+/-0.50	
Hexabromobiphenyl	638886	14.271	638886	14.271	100	50 - 200	0.000	+/-0.50	
1-Bromo-2-Nitrobenzene [2C]	204370	3.951	204370	3.951	100	50 - 200	0.000	+/-0.50	
Hexabromobiphenyl [2C]	345783	15.014	345783	15.014	100	50 - 200	0.000	+/-0.50	
Initial Cal Check (SLA0099-ICV2)		(Solid)	Lab File ID: 01072303ECD7.D				Analyzed: 01/07/23 09:58		
1-Bromo-2-Nitrobenzene	222420	3.514	310284	3.515	72	50 - 200	-0.001	+/-0.50	
Hexabromobiphenyl	512814	14.271	638886	14.271	80	50 - 200	0.000	+/-0.50	
1-Bromo-2-Nitrobenzene [2C]	147448	3.951	204370	3.951	72	50 - 200	0.000	+/-0.50	
Hexabromobiphenyl [2C]	272997	15.012	345783	15.014	79	50 - 200	-0.002	+/-0.50	
Blank (BKL0582-BLK1)		(Solid)	Lab File ID: 01072325ECD7.D				Analyzed: 01/07/23 18:03		
1-Bromo-2-Nitrobenzene	467661	3.513	310284	3.515	151	50 - 200	-0.002	+/-0.50	
Hexabromobiphenyl	1025982	14.272	638886	14.271	161	50 - 200	0.001	+/-0.50	
1-Bromo-2-Nitrobenzene [2C]	337339	3.951	204370	3.951	165	50 - 200	0.000	+/-0.50	
Hexabromobiphenyl [2C]	581191	15.013	345783	15.014	168	50 - 200	-0.001	+/-0.50	
LCS (BKL0582-BS1)		(Solid)	Lab File ID: 01072326ECD7.D				Analyzed: 01/07/23 18:24		
1-Bromo-2-Nitrobenzene	488013	3.515	310284	3.515	157	50 - 200	0.000	+/-0.50	
Hexabromobiphenyl	1086619	14.273	638886	14.271	170	50 - 200	0.002	+/-0.50	
1-Bromo-2-Nitrobenzene [2C]	347436	3.952	204370	3.951	170	50 - 200	0.001	+/-0.50	
Hexabromobiphenyl [2C]	599183	15.013	345783	15.014	173	50 - 200	-0.001	+/-0.50	
LCS Dup (BKL0582-BSD1)		(Solid)	Lab File ID: 01072327ECD7.D				Analyzed: 01/07/23 18:45		
1-Bromo-2-Nitrobenzene	497778	3.513	310284	3.515	160	50 - 200	-0.002	+/-0.50	
Hexabromobiphenyl	1139460	14.273	638886	14.271	178	50 - 200	0.002	+/-0.50	
1-Bromo-2-Nitrobenzene [2C]	352819	3.95	204370	3.951	173	50 - 200	-0.001	+/-0.50	
Hexabromobiphenyl [2C]	620955	15.012	345783	15.014	180	50 - 200	-0.002	+/-0.50	
Reference (BKL0582-SRM1)		(Solid)	Lab File ID: 01072328ECD7.D				Analyzed: 01/07/23 19:06		
1-Bromo-2-Nitrobenzene	502205	3.514	310284	3.515	162	50 - 200	-0.001	+/-0.50	
Hexabromobiphenyl	773203	14.262	638886	14.271	121	50 - 200	-0.009	+/-0.50	
1-Bromo-2-Nitrobenzene [2C]	329343	3.951	204370	3.951	161	50 - 200	0.000	+/-0.50	
Hexabromobiphenyl [2C]	495827	15.008	345783	15.014	143	50 - 200	-0.006	+/-0.50	

INTERNAL STANDARD AREA AND RT SUMMARY

EPA 8082A

Laboratory:	Analytical Resources, LLC	SDG:	22L0307
Client:	Anchor QEA, LLC	Project:	AOC4 UR Phase 3
Sequence:	SLA0099	Instrument:	ECD7
		Calibration:	FL00010

Internal Standard	Response	RT	Reference Response	Reference RT	Area %	Area % Limits	RT Diff	RT Diff Limit	Q
LDW22-SC750A (22L0307-21)		(Solid)	Lab File ID: 01072329ECD7.D				Analyzed: 01/07/23 19:27		
1-Bromo-2-Nitrobenzene	450818	3.513	222420	3.514	203	50 - 200	-0.001	+/-0.50	*
Hexabromobiphenyl	554495	14.259	638886	14.271	87	50 - 200	-0.012	+/-0.50	
1-Bromo-2-Nitrobenzene [2C]	297668	3.95	147448	3.951	202	50 - 200	-0.001	+/-0.50	*
Hexabromobiphenyl [2C]	402809	15.006	272997	15.012	148	50 - 200	-0.006	+/-0.50	
LDW22-SC750B (22L0307-22)		(Solid)	Lab File ID: 01072330ECD7.D				Analyzed: 01/07/23 19:48		
1-Bromo-2-Nitrobenzene	456818	3.513	222420	3.514	205	50 - 200	-0.001	+/-0.50	*
Hexabromobiphenyl	647028	14.26	638886	14.271	101	50 - 200	-0.011	+/-0.50	
1-Bromo-2-Nitrobenzene [2C]	309119	3.951	147448	3.951	210	50 - 200	0.000	+/-0.50	*
Hexabromobiphenyl [2C]	455476	15.007	272997	15.012	167	50 - 200	-0.005	+/-0.50	
LDW22-SC750C (22L0307-23)		(Solid)	Lab File ID: 01072331ECD7.D				Analyzed: 01/07/23 20:09		
1-Bromo-2-Nitrobenzene	447732	3.513	222420	3.514	201	50 - 200	-0.001	+/-0.50	*
Hexabromobiphenyl	636545	14.263	638886	14.271	100	50 - 200	-0.008	+/-0.50	
1-Bromo-2-Nitrobenzene [2C]	301112	3.951	147448	3.951	204	50 - 200	0.000	+/-0.50	*
Hexabromobiphenyl [2C]	444261	15.007	272997	15.012	163	50 - 200	-0.005	+/-0.50	
LDW22-SC750D (22L0307-24)		(Solid)	Lab File ID: 01072332ECD7.D				Analyzed: 01/07/23 20:30		
1-Bromo-2-Nitrobenzene	452699	3.514	222420	3.514	204	50 - 200	0.000	+/-0.50	*
Hexabromobiphenyl	651212	14.261	638886	14.271	102	50 - 200	-0.010	+/-0.50	
1-Bromo-2-Nitrobenzene [2C]	304164	3.951	147448	3.951	206	50 - 200	0.000	+/-0.50	*
Hexabromobiphenyl [2C]	450727	15.007	272997	15.012	165	50 - 200	-0.005	+/-0.50	
LDW22-SC750E (22L0307-25)		(Solid)	Lab File ID: 01072333ECD7.D				Analyzed: 01/07/23 20:51		
1-Bromo-2-Nitrobenzene	459463	3.513	222420	3.514	207	50 - 200	-0.001	+/-0.50	*
Hexabromobiphenyl	558709	14.259	638886	14.271	87	50 - 200	-0.012	+/-0.50	
1-Bromo-2-Nitrobenzene [2C]	300267	3.95	147448	3.951	204	50 - 200	-0.001	+/-0.50	*
Hexabromobiphenyl [2C]	415190	15.007	272997	15.012	152	50 - 200	-0.005	+/-0.50	
LDW22-SC750F (22L0307-26)		(Solid)	Lab File ID: 01072334ECD7.D				Analyzed: 01/07/23 21:12		
1-Bromo-2-Nitrobenzene	478237	3.515	222420	3.514	215	50 - 200	0.001	+/-0.50	*
Hexabromobiphenyl	706617	14.263	638886	14.271	111	50 - 200	-0.008	+/-0.50	
1-Bromo-2-Nitrobenzene [2C]	318821	3.952	147448	3.951	216	50 - 200	0.001	+/-0.50	*
Hexabromobiphenyl [2C]	475366	15.008	272997	15.012	174	50 - 200	-0.004	+/-0.50	

INTERNAL STANDARD AREA AND RT SUMMARY

EPA 8082A

Laboratory:	Analytical Resources, LLC	SDG:	22L0307
Client:	Anchor QEA, LLC	Project:	AOC4 UR Phase 3
Sequence:	SLA0099	Instrument:	ECD7
		Calibration:	FL00010

Internal Standard	Response	RT	Reference Response	Reference RT	Area %	Area % Limits	RT Diff	RT Diff Limit	Q
LDW22-SC750G (22L0307-27)		(Solid)	Lab File ID: 01072335ECD7.D				Analyzed: 01/07/23 21:33		
1-Bromo-2-Nitrobenzene	468745	3.513	222420	3.514	211	50 - 200	-0.001	+/-0.50	*
Hexabromobiphenyl	528997	14.259	638886	14.271	83	50 - 200	-0.012	+/-0.50	
1-Bromo-2-Nitrobenzene [2C]	303740	3.951	147448	3.951	206	50 - 200	0.000	+/-0.50	*
Hexabromobiphenyl [2C]	398961	15.004	272997	15.012	146	50 - 200	-0.008	+/-0.50	
LDW22-SC750H (22L0307-28)		(Solid)	Lab File ID: 01072336ECD7.D				Analyzed: 01/07/23 21:54		
1-Bromo-2-Nitrobenzene	477289	3.513	222420	3.514	215	50 - 200	-0.001	+/-0.50	*
Hexabromobiphenyl	607121	14.261	638886	14.271	95	50 - 200	-0.010	+/-0.50	
1-Bromo-2-Nitrobenzene [2C]	327718	3.95	147448	3.951	222	50 - 200	-0.001	+/-0.50	*
Hexabromobiphenyl [2C]	450431	15.007	272997	15.012	165	50 - 200	-0.005	+/-0.50	
LDW22-IT808A (22L0307-29)		(Solid)	Lab File ID: 01072337ECD7.D				Analyzed: 01/07/23 22:15		
1-Bromo-2-Nitrobenzene	468522	3.513	222420	3.514	211	50 - 200	-0.001	+/-0.50	*
Hexabromobiphenyl	475303	14.258	638886	14.271	74	50 - 200	-0.013	+/-0.50	
1-Bromo-2-Nitrobenzene [2C]	306243	3.95	147448	3.951	208	50 - 200	-0.001	+/-0.50	*
Hexabromobiphenyl [2C]	368314	15.004	272997	15.012	135	50 - 200	-0.008	+/-0.50	
LDW22-IT808C (22L0307-31)		(Solid)	Lab File ID: 01072341ECD7.D				Analyzed: 01/07/23 23:40		
1-Bromo-2-Nitrobenzene	434242	3.513	222420	3.514	195	50 - 200	-0.001	+/-0.50	
Hexabromobiphenyl	440205	14.257	638886	14.271	69	50 - 200	-0.014	+/-0.50	
1-Bromo-2-Nitrobenzene [2C]	284203	3.949	147448	3.951	193	50 - 200	-0.002	+/-0.50	
Hexabromobiphenyl [2C]	346925	15.004	272997	15.012	127	50 - 200	-0.008	+/-0.50	
LDW22-IT808D (22L0307-32)		(Solid)	Lab File ID: 01072342ECD7.D				Analyzed: 01/08/23 00:01		
1-Bromo-2-Nitrobenzene	458806	3.514	222420	3.514	206	50 - 200	0.000	+/-0.50	*
Hexabromobiphenyl	463130	14.258	638886	14.271	72	50 - 200	-0.013	+/-0.50	
1-Bromo-2-Nitrobenzene [2C]	296803	3.951	147448	3.951	201	50 - 200	0.000	+/-0.50	*
Hexabromobiphenyl [2C]	361772	15.005	272997	15.012	133	50 - 200	-0.007	+/-0.50	
LDW22-IT808E (22L0307-33)		(Solid)	Lab File ID: 01072343ECD7.D				Analyzed: 01/08/23 00:22		
1-Bromo-2-Nitrobenzene	482211	3.514	222420	3.514	217	50 - 200	0.000	+/-0.50	*
Hexabromobiphenyl	809726	14.268	638886	14.271	127	50 - 200	-0.003	+/-0.50	
1-Bromo-2-Nitrobenzene [2C]	349078	3.951	147448	3.951	237	50 - 200	0.000	+/-0.50	*
Hexabromobiphenyl [2C]	508324	15.011	272997	15.012	186	50 - 200	-0.001	+/-0.50	

INTERNAL STANDARD AREA AND RT SUMMARY

EPA 8082A

Laboratory:	Analytical Resources, LLC	SDG:	22L0307
Client:	Anchor QEA, LLC	Project:	AOC4 UR Phase 3
Sequence:	SLA0099	Instrument:	ECD7
		Calibration:	FL00010

Internal Standard	Response	RT	Reference Response	Reference RT	Area %	Area % Limits	RT Diff	RT Diff Limit	Q
Matrix Spike (BKL0582-MS1)		(Solid)	Lab File ID: 01072344ECD7.D				Analyzed: 01/08/23 00:43		
1-Bromo-2-Nitrobenzene	480834	3.515	310284	3.515	155	50 - 200	0.000	+/-0.50	
Hexabromobiphenyl	814124	14.263	638886	14.271	127	50 - 200	-0.008	+/-0.50	
1-Bromo-2-Nitrobenzene [2C]	342241	3.953	204370	3.951	167	50 - 200	0.002	+/-0.50	
Hexabromobiphenyl [2C]	513858	15.008	345783	15.014	149	50 - 200	-0.006	+/-0.50	
Matrix Spike Dup (BKL0582-MSD1)		(Solid)	Lab File ID: 01072345ECD7.D				Analyzed: 01/08/23 01:04		
1-Bromo-2-Nitrobenzene	486059	3.512	310284	3.515	157	50 - 200	-0.003	+/-0.50	
Hexabromobiphenyl	836607	14.264	638886	14.271	131	50 - 200	-0.007	+/-0.50	
1-Bromo-2-Nitrobenzene [2C]	346512	3.949	204370	3.951	170	50 - 200	-0.002	+/-0.50	
Hexabromobiphenyl [2C]	526812	15.009	345783	15.014	152	50 - 200	-0.005	+/-0.50	
LDW22-IT808F (22L0307-34)		(Solid)	Lab File ID: 01072346ECD7.D				Analyzed: 01/08/23 01:25		
1-Bromo-2-Nitrobenzene	478759	3.515	222420	3.514	215	50 - 200	0.001	+/-0.50	*
Hexabromobiphenyl	811838	14.264	638886	14.271	127	50 - 200	-0.007	+/-0.50	
1-Bromo-2-Nitrobenzene [2C]	342433	3.952	147448	3.951	232	50 - 200	0.001	+/-0.50	*
Hexabromobiphenyl [2C]	507195	15.008	272997	15.012	186	50 - 200	-0.004	+/-0.50	
LDW22-SC804B (22L0307-35)		(Solid)	Lab File ID: 01072347ECD7.D				Analyzed: 01/08/23 01:46		
1-Bromo-2-Nitrobenzene	495859	3.514	222420	3.514	223	50 - 200	0.000	+/-0.50	*
Hexabromobiphenyl	444259	14.257	638886	14.271	70	50 - 200	-0.014	+/-0.50	
1-Bromo-2-Nitrobenzene [2C]	320747	3.952	147448	3.951	218	50 - 200	0.001	+/-0.50	*
Hexabromobiphenyl [2C]	343970	15.005	272997	15.012	126	50 - 200	-0.007	+/-0.50	
LDW22-SC804C (22L0307-36)		(Solid)	Lab File ID: 01072348ECD7.D				Analyzed: 01/08/23 02:07		
1-Bromo-2-Nitrobenzene	484068	3.515	222420	3.514	218	50 - 200	0.001	+/-0.50	*
Hexabromobiphenyl	615879	14.261	638886	14.271	96	50 - 200	-0.010	+/-0.50	
1-Bromo-2-Nitrobenzene [2C]	350116	3.952	147448	3.951	237	50 - 200	0.001	+/-0.50	*
Hexabromobiphenyl [2C]	439822	15.006	272997	15.012	161	50 - 200	-0.006	+/-0.50	
LDW22-SC804E (22L0307-38)		(Solid)	Lab File ID: 01072350ECD7.D				Analyzed: 01/08/23 02:50		
1-Bromo-2-Nitrobenzene	463147	3.512	222420	3.514	208	50 - 200	-0.002	+/-0.50	*
Hexabromobiphenyl	474748	14.261	638886	14.271	74	50 - 200	-0.010	+/-0.50	
1-Bromo-2-Nitrobenzene [2C]	336271	3.95	147448	3.951	228	50 - 200	-0.001	+/-0.50	*
Hexabromobiphenyl [2C]	354943	15.007	272997	15.012	130	50 - 200	-0.005	+/-0.50	

Analytical Resources, LLC
Analytical Chemists and Consultants

INTERNAL STANDARD AREA AND RT SUMMARY

EPA 8082A

Laboratory:	Analytical Resources, LLC	SDG:	22L0307
Client:	Anchor QEA, LLC	Project:	AOC4 UR Phase 3
Sequence:	SLA0099	Instrument:	ECD7
		Calibration:	FL00010

Internal Standard	Response	RT	Reference Response	Reference RT	Area %	Area % Limits	RT Diff	RT Diff Limit	Q
LDW22-SC804F (22L0307-39)		(Solid)	Lab File ID: 01072351ECD7.D				Analyzed: 01/08/23 03:11		
1-Bromo-2-Nitrobenzene	459492	3.514	222420	3.514	207	50 - 200	0.000	+/-0.50	*
Hexabromobiphenyl	598780	14.263	638886	14.271	94	50 - 200	-0.008	+/-0.50	
1-Bromo-2-Nitrobenzene [2C]	332058	3.952	147448	3.951	225	50 - 200	0.001	+/-0.50	*
Hexabromobiphenyl [2C]	395142	15.007	272997	15.012	145	50 - 200	-0.005	+/-0.50	
LDW22-SC804F-FD (22L0307-40)		(Solid)	Lab File ID: 01072352ECD7.D				Analyzed: 01/08/23 03:32		
1-Bromo-2-Nitrobenzene	458366	3.514	222420	3.514	206	50 - 200	0.000	+/-0.50	*
Hexabromobiphenyl	668656	14.263	638886	14.271	105	50 - 200	-0.008	+/-0.50	
1-Bromo-2-Nitrobenzene [2C]	331323	3.95	147448	3.951	225	50 - 200	-0.001	+/-0.50	*
Hexabromobiphenyl [2C]	442225	15.007	272997	15.012	162	50 - 200	-0.005	+/-0.50	
Blank (BKL0584-BLK1)		(Solid)	Lab File ID: 01072360ECD7.D				Analyzed: 01/08/23 06:21		
1-Bromo-2-Nitrobenzene	496424	3.515	310284	3.515	160	50 - 200	0.000	+/-0.50	
Hexabromobiphenyl	1113811	14.272	638886	14.271	174	50 - 200	0.001	+/-0.50	
1-Bromo-2-Nitrobenzene [2C]	352074	3.952	204370	3.951	172	50 - 200	0.001	+/-0.50	
Hexabromobiphenyl [2C]	612751	15.012	345783	15.014	177	50 - 200	-0.002	+/-0.50	
LCS (BKL0584-BS1)		(Solid)	Lab File ID: 01072361ECD7.D				Analyzed: 01/08/23 06:42		
1-Bromo-2-Nitrobenzene	510224	3.514	310284	3.515	164	50 - 200	-0.001	+/-0.50	
Hexabromobiphenyl	1185101	14.273	638886	14.271	185	50 - 200	0.002	+/-0.50	
1-Bromo-2-Nitrobenzene [2C]	360748	3.951	204370	3.951	177	50 - 200	0.000	+/-0.50	
Hexabromobiphenyl [2C]	642780	15.012	345783	15.014	186	50 - 200	-0.002	+/-0.50	
LCS Dup (BKL0584-BSD1)		(Solid)	Lab File ID: 01072362ECD7.D				Analyzed: 01/08/23 07:03		
1-Bromo-2-Nitrobenzene	478303	3.515	310284	3.515	154	50 - 200	0.000	+/-0.50	
Hexabromobiphenyl	1116053	14.275	638886	14.271	175	50 - 200	0.004	+/-0.50	
1-Bromo-2-Nitrobenzene [2C]	340802	3.953	204370	3.951	167	50 - 200	0.002	+/-0.50	
Hexabromobiphenyl [2C]	614196	15.012	345783	15.014	178	50 - 200	-0.002	+/-0.50	
MRL Check (BKL0584-MRL1)		(Solid)	Lab File ID: 01072363ECD7.D				Analyzed: 01/08/23 07:24		
1-Bromo-2-Nitrobenzene	492690	3.515	310284	3.515	159	50 - 200	0.000	+/-0.50	
Hexabromobiphenyl	1144263	14.273	638886	14.271	179	50 - 200	0.002	+/-0.50	
1-Bromo-2-Nitrobenzene [2C]	348700	3.952	204370	3.951	171	50 - 200	0.001	+/-0.50	
Hexabromobiphenyl [2C]	613612	15.012	345783	15.014	177	50 - 200	-0.002	+/-0.50	

INTERNAL STANDARD AREA AND RT SUMMARY

EPA 8082A

Laboratory:	Analytical Resources, LLC	SDG:	22L0307
Client:	Anchor QEA, LLC	Project:	AOC4 UR Phase 3
Sequence:	SLA0099	Instrument:	ECD7
		Calibration:	FL00010

Internal Standard	Response	RT	Reference Response	Reference RT	Area %	Area % Limits	RT Diff	RT Diff Limit	Q
Reference (BKL0584-SRM1)		(Solid)	Lab File ID: 01072364ECD7.D				Analyzed: 01/08/23 07:45		
1-Bromo-2-Nitrobenzene	489832	3.514	310284	3.515	158	50 - 200	-0.001	+/-0.50	
Hexabromobiphenyl	758803	14.261	638886	14.271	119	50 - 200	-0.010	+/-0.50	
1-Bromo-2-Nitrobenzene [2C]	339056	3.95	204370	3.951	166	50 - 200	-0.001	+/-0.50	
Hexabromobiphenyl [2C]	490694	15.007	345783	15.014	142	50 - 200	-0.007	+/-0.50	
LDW22-SC783C (22L0307-61)		(Solid)	Lab File ID: 01072365ECD7.D				Analyzed: 01/08/23 08:06		
1-Bromo-2-Nitrobenzene	455520	3.513	222420	3.514	205	50 - 200	-0.001	+/-0.50	*
Hexabromobiphenyl	645503	14.26	638886	14.271	101	50 - 200	-0.011	+/-0.50	
1-Bromo-2-Nitrobenzene [2C]	302899	3.95	147448	3.951	205	50 - 200	-0.001	+/-0.50	*
Hexabromobiphenyl [2C]	444179	15.006	272997	15.012	163	50 - 200	-0.006	+/-0.50	
LDW22-SC783E (22L0307-63)		(Solid)	Lab File ID: 01072367ECD7.D				Analyzed: 01/08/23 08:48		
1-Bromo-2-Nitrobenzene	441631	3.514	222420	3.514	199	50 - 200	0.000	+/-0.50	
Hexabromobiphenyl	539776	14.258	638886	14.271	84	50 - 200	-0.013	+/-0.50	
1-Bromo-2-Nitrobenzene [2C]	287377	3.951	147448	3.951	195	50 - 200	0.000	+/-0.50	
Hexabromobiphenyl [2C]	390578	15.005	272997	15.012	143	50 - 200	-0.007	+/-0.50	
LDW22-SC783G (22L0307-65)		(Solid)	Lab File ID: 01072369ECD7.D				Analyzed: 01/08/23 09:30		
1-Bromo-2-Nitrobenzene	436865	3.514	222420	3.514	196	50 - 200	0.000	+/-0.50	
Hexabromobiphenyl	492289	14.258	638886	14.271	77	50 - 200	-0.013	+/-0.50	
1-Bromo-2-Nitrobenzene [2C]	288559	3.951	147448	3.951	196	50 - 200	0.000	+/-0.50	
Hexabromobiphenyl [2C]	365630	15.004	272997	15.012	134	50 - 200	-0.008	+/-0.50	
LDW22-SC783H (22L0307-66)		(Solid)	Lab File ID: 01072370ECD7.D				Analyzed: 01/08/23 09:52		
1-Bromo-2-Nitrobenzene	449515	3.513	222420	3.514	202	50 - 200	-0.001	+/-0.50	*
Hexabromobiphenyl	514536	14.258	638886	14.271	81	50 - 200	-0.013	+/-0.50	
1-Bromo-2-Nitrobenzene [2C]	299020	3.95	147448	3.951	203	50 - 200	-0.001	+/-0.50	*
Hexabromobiphenyl [2C]	377695	15.004	272997	15.012	138	50 - 200	-0.008	+/-0.50	
Matrix Spike (BKL0584-MS1)		(Solid)	Lab File ID: 01072371ECD7.D				Analyzed: 01/08/23 10:13		
1-Bromo-2-Nitrobenzene	428522	3.514	310284	3.515	138	50 - 200	-0.001	+/-0.50	
Hexabromobiphenyl	497157	14.258	638886	14.271	78	50 - 200	-0.013	+/-0.50	
1-Bromo-2-Nitrobenzene [2C]	291384	3.95	204370	3.951	143	50 - 200	-0.001	+/-0.50	
Hexabromobiphenyl [2C]	367753	15.003	345783	15.014	106	50 - 200	-0.011	+/-0.50	

INTERNAL STANDARD AREA AND RT SUMMARY

EPA 8082A

Laboratory: Analytical Resources, LLC
SDG: 22L0307
Client: Anchor QEA, LLC
Project: AOC4 UR Phase 3
Sequence: SLA0099
Instrument: ECD7
Calibration: FL00010

Internal Standard	Response	RT	Reference Response	Reference RT	Area %	Area % Limits	RT Diff	RT Diff Limit	Q
Matrix Spike Dup (BKL0584-MSD1)		(Solid)		Lab File ID: 01072372ECD7.D			Analyzed: 01/08/23 10:34		
1-Bromo-2-Nitrobenzene	447670	3.513	310284	3.515	144	50 - 200	-0.002	+/-0.50	
Hexabromobiphenyl	530490	14.26	638886	14.271	83	50 - 200	-0.011	+/-0.50	
1-Bromo-2-Nitrobenzene [2C]	293373	3.95	204370	3.951	144	50 - 200	-0.001	+/-0.50	
Hexabromobiphenyl [2C]	386672	15.005	345783	15.014	112	50 - 200	-0.009	+/-0.50	

Analytical Resources, LLC
Analytical Chemists and Consultants

INTERNAL STANDARD AREA AND RT SUMMARY

EPA 8082A

Laboratory:	Analytical Resources, LLC	SDG:	22L0307
Client:	Anchor QEA, LLC	Project:	AOC4 UR Phase 3
Sequence:	SLA0129	Instrument:	ECD7
		Calibration:	FL00010

Internal Standard	Response	RT	Reference Response	Reference RT	Area %	Area % Limits	RT Diff	RT Diff Limit	Q
Initial Cal Check (SLA0129-ICV1)		(Solid)	Lab File ID: 01092302ECD7.D				Analyzed: 01/09/23 09:24		
1-Bromo-2-Nitrobenzene	479061	3.514	479061	3.514	100	50 - 200	0.000	+/-0.50	
Hexabromobiphenyl	1221936	14.276	1221936	14.276	100	50 - 200	0.000	+/-0.50	
1-Bromo-2-Nitrobenzene [2C]	327437	3.95	327437	3.95	100	50 - 200	0.000	+/-0.50	
Hexabromobiphenyl [2C]	623355	15.015	623355	15.015	100	50 - 200	0.000	+/-0.50	
Initial Cal Check (SLA0129-ICV2)		(Solid)	Lab File ID: 01092303ECD7.D				Analyzed: 01/09/23 09:46		
1-Bromo-2-Nitrobenzene	474601	3.515	479061	3.514	99	50 - 200	0.001	+/-0.50	
Hexabromobiphenyl	1279653	14.275	1221936	14.276	105	50 - 200	-0.001	+/-0.50	
1-Bromo-2-Nitrobenzene [2C]	329167	3.952	327437	3.95	101	50 - 200	0.002	+/-0.50	
Hexabromobiphenyl [2C]	629076	15.014	623355	15.015	101	50 - 200	-0.001	+/-0.50	
Blank (BKL0583-BLK1)		(Solid)	Lab File ID: 01092304ECD7.D				Analyzed: 01/09/23 10:07		
1-Bromo-2-Nitrobenzene	534304	3.514	479061	3.514	112	50 - 200	0.000	+/-0.50	
Hexabromobiphenyl	1352399	14.273	1221936	14.276	111	50 - 200	-0.003	+/-0.50	
1-Bromo-2-Nitrobenzene [2C]	372684	3.95	327437	3.95	114	50 - 200	0.000	+/-0.50	
Hexabromobiphenyl [2C]	674642	15.012	623355	15.015	108	50 - 200	-0.003	+/-0.50	
LCS (BKL0583-BS1)		(Solid)	Lab File ID: 01092305ECD7.D				Analyzed: 01/09/23 10:28		
1-Bromo-2-Nitrobenzene	523560	3.513	479061	3.514	109	50 - 200	-0.001	+/-0.50	
Hexabromobiphenyl	1324153	14.273	1221936	14.276	108	50 - 200	-0.003	+/-0.50	
1-Bromo-2-Nitrobenzene [2C]	365464	3.95	327437	3.95	112	50 - 200	0.000	+/-0.50	
Hexabromobiphenyl [2C]	663958	15.012	623355	15.015	107	50 - 200	-0.003	+/-0.50	
LCS Dup (BKL0583-BSD1)		(Solid)	Lab File ID: 01092306ECD7.D				Analyzed: 01/09/23 10:49		
1-Bromo-2-Nitrobenzene	523663	3.514	479061	3.514	109	50 - 200	0.000	+/-0.50	
Hexabromobiphenyl	1326130	14.272	1221936	14.276	109	50 - 200	-0.004	+/-0.50	
1-Bromo-2-Nitrobenzene [2C]	365125	3.95	327437	3.95	112	50 - 200	0.000	+/-0.50	
Hexabromobiphenyl [2C]	675321	15.012	623355	15.015	108	50 - 200	-0.003	+/-0.50	
Reference (BKL0583-SRM1)		(Solid)	Lab File ID: 01092307ECD7.D				Analyzed: 01/09/23 11:10		
1-Bromo-2-Nitrobenzene	534696	3.514	479061	3.514	112	50 - 200	0.000	+/-0.50	
Hexabromobiphenyl	871729	14.263	1221936	14.276	71	50 - 200	-0.013	+/-0.50	
1-Bromo-2-Nitrobenzene [2C]	357528	3.95	327437	3.95	109	50 - 200	0.000	+/-0.50	
Hexabromobiphenyl [2C]	558405	15.007	623355	15.015	90	50 - 200	-0.008	+/-0.50	

INTERNAL STANDARD AREA AND RT SUMMARY

EPA 8082A

Laboratory:	Analytical Resources, LLC	SDG:	22L0307
Client:	Anchor QEA, LLC	Project:	AOC4 UR Phase 3
Sequence:	SLA0129	Instrument:	ECD7
		Calibration:	FL00010

Internal Standard	Response	RT	Reference Response	Reference RT	Area %	Area % Limits	RT Diff	RT Diff Limit	Q
LDW22-SC804G (22L0307-41)		(Solid)	Lab File ID: 01092308ECD7.D				Analyzed: 01/09/23 11:31		
1-Bromo-2-Nitrobenzene	492116	3.514	474601	3.515	104	50 - 200	-0.001	+/-0.50	
Hexabromobiphenyl	1013937	14.266	1279653	14.275	79	50 - 200	-0.009	+/-0.50	
1-Bromo-2-Nitrobenzene [2C]	343760	3.95	329167	3.952	104	50 - 200	-0.002	+/-0.50	
Hexabromobiphenyl [2C]	596895	15.01	629076	15.014	95	50 - 200	-0.004	+/-0.50	
LDW22-SC804H (22L0307-42)		(Solid)	Lab File ID: 01092309ECD7.D				Analyzed: 01/09/23 11:52		
1-Bromo-2-Nitrobenzene	522088	3.513	474601	3.515	110	50 - 200	-0.002	+/-0.50	
Hexabromobiphenyl	1131179	14.269	1279653	14.275	88	50 - 200	-0.006	+/-0.50	
1-Bromo-2-Nitrobenzene [2C]	360625	3.95	329167	3.952	110	50 - 200	-0.002	+/-0.50	
Hexabromobiphenyl [2C]	635790	15.01	629076	15.014	101	50 - 200	-0.004	+/-0.50	
LDW22-SC752A (22L0307-43)		(Solid)	Lab File ID: 01092310ECD7.D				Analyzed: 01/09/23 12:13		
1-Bromo-2-Nitrobenzene	498351	3.512	474601	3.515	105	50 - 200	-0.003	+/-0.50	
Hexabromobiphenyl	648413	14.261	1279653	14.275	51	50 - 200	-0.014	+/-0.50	
1-Bromo-2-Nitrobenzene [2C]	330335	3.949	329167	3.952	100	50 - 200	-0.003	+/-0.50	
Hexabromobiphenyl [2C]	447751	15.006	629076	15.014	71	50 - 200	-0.008	+/-0.50	
LDW22-SC752B (22L0307-44)		(Solid)	Lab File ID: 01092311ECD7.D				Analyzed: 01/09/23 12:34		
1-Bromo-2-Nitrobenzene	480021	3.512	474601	3.515	101	50 - 200	-0.003	+/-0.50	
Hexabromobiphenyl	692343	14.262	1279653	14.275	54	50 - 200	-0.013	+/-0.50	
1-Bromo-2-Nitrobenzene [2C]	322323	3.95	329167	3.952	98	50 - 200	-0.002	+/-0.50	
Hexabromobiphenyl [2C]	470290	15.007	629076	15.014	75	50 - 200	-0.007	+/-0.50	
LDW22-SC752C (22L0307-45)		(Solid)	Lab File ID: 01092312ECD7.D				Analyzed: 01/09/23 12:55		
1-Bromo-2-Nitrobenzene	498099	3.513	474601	3.515	105	50 - 200	-0.002	+/-0.50	
Hexabromobiphenyl	767666	14.262	1279653	14.275	60	50 - 200	-0.013	+/-0.50	
1-Bromo-2-Nitrobenzene [2C]	332477	3.949	329167	3.952	101	50 - 200	-0.003	+/-0.50	
Hexabromobiphenyl [2C]	506344	15.008	629076	15.014	80	50 - 200	-0.006	+/-0.50	
LDW22-SC752D (22L0307-46)		(Solid)	Lab File ID: 01092313ECD7.D				Analyzed: 01/09/23 13:17		
1-Bromo-2-Nitrobenzene	479816	3.512	474601	3.515	101	50 - 200	-0.003	+/-0.50	
Hexabromobiphenyl	744400	14.263	1279653	14.275	58	50 - 200	-0.012	+/-0.50	
1-Bromo-2-Nitrobenzene [2C]	321487	3.949	329167	3.952	98	50 - 200	-0.003	+/-0.50	
Hexabromobiphenyl [2C]	492282	15.007	629076	15.014	78	50 - 200	-0.007	+/-0.50	

INTERNAL STANDARD AREA AND RT SUMMARY

EPA 8082A

Laboratory:	Analytical Resources, LLC	SDG:	22L0307
Client:	Anchor QEA, LLC	Project:	AOC4 UR Phase 3
Sequence:	SLA0129	Instrument:	ECD7
		Calibration:	FL00010

Internal Standard	Response	RT	Reference Response	Reference RT	Area %	Area % Limits	RT Diff	RT Diff Limit	Q
LDW22-SC752E (22L0307-47)		(Solid)		Lab File ID: 01092314ECD7.D			Analyzed: 01/09/23 13:38		
1-Bromo-2-Nitrobenzene	485720	3.513	474601	3.515	102	50 - 200	-0.002	+/-0.50	
Hexabromobiphenyl	741374	14.263	1279653	14.275	58	50 - 200	-0.012	+/-0.50	
1-Bromo-2-Nitrobenzene [2C]	323105	3.95	329167	3.952	98	50 - 200	-0.002	+/-0.50	
Hexabromobiphenyl [2C]	492980	15.006	629076	15.014	78	50 - 200	-0.008	+/-0.50	
LDW22-SC752F (22L0307-48)		(Solid)		Lab File ID: 01092315ECD7.D			Analyzed: 01/09/23 13:59		
1-Bromo-2-Nitrobenzene	462139	3.513	474601	3.515	97	50 - 200	-0.002	+/-0.50	
Hexabromobiphenyl	600316	14.259	1279653	14.275	47	50 - 200	-0.016	+/-0.50	*
1-Bromo-2-Nitrobenzene [2C]	308362	3.95	329167	3.952	94	50 - 200	-0.002	+/-0.50	
Hexabromobiphenyl [2C]	431760	15.005	629076	15.014	69	50 - 200	-0.009	+/-0.50	
LDW22-SC752G (22L0307-49)		(Solid)		Lab File ID: 01092316ECD7.D			Analyzed: 01/09/23 14:20		
1-Bromo-2-Nitrobenzene	486309	3.513	474601	3.515	102	50 - 200	-0.002	+/-0.50	
Hexabromobiphenyl	740876	14.262	1279653	14.275	58	50 - 200	-0.013	+/-0.50	
1-Bromo-2-Nitrobenzene [2C]	336571	3.95	329167	3.952	102	50 - 200	-0.002	+/-0.50	
Hexabromobiphenyl [2C]	502943	15.006	629076	15.014	80	50 - 200	-0.008	+/-0.50	
LDW22-SC752H (22L0307-50)		(Solid)		Lab File ID: 01092317ECD7.D			Analyzed: 01/09/23 14:41		
1-Bromo-2-Nitrobenzene	491729	3.515	474601	3.515	104	50 - 200	0.000	+/-0.50	
Hexabromobiphenyl	895242	14.263	1279653	14.275	70	50 - 200	-0.012	+/-0.50	
1-Bromo-2-Nitrobenzene [2C]	333633	3.952	329167	3.952	101	50 - 200	0.000	+/-0.50	
Hexabromobiphenyl [2C]	563545	15.008	629076	15.014	90	50 - 200	-0.006	+/-0.50	
Matrix Spike (BKL0583-MS1)		(Solid)		Lab File ID: 01092320ECD7.D			Analyzed: 01/09/23 15:44		
1-Bromo-2-Nitrobenzene	503684	3.514	479061	3.514	105	50 - 200	0.000	+/-0.50	
Hexabromobiphenyl	904609	14.263	1221936	14.276	74	50 - 200	-0.013	+/-0.50	
1-Bromo-2-Nitrobenzene [2C]	341169	3.95	327437	3.95	104	50 - 200	0.000	+/-0.50	
Hexabromobiphenyl [2C]	571542	15.007	623355	15.015	92	50 - 200	-0.008	+/-0.50	
Matrix Spike Dup (BKL0583-MSD1)		(Solid)		Lab File ID: 01092321ECD7.D			Analyzed: 01/09/23 16:05		
1-Bromo-2-Nitrobenzene	499636	3.514	479061	3.514	104	50 - 200	0.000	+/-0.50	
Hexabromobiphenyl	906501	14.264	1221936	14.276	74	50 - 200	-0.012	+/-0.50	
1-Bromo-2-Nitrobenzene [2C]	334411	3.951	327437	3.95	102	50 - 200	0.001	+/-0.50	
Hexabromobiphenyl [2C]	571099	15.009	623355	15.015	92	50 - 200	-0.006	+/-0.50	

INTERNAL STANDARD AREA AND RT SUMMARY

EPA 8082A

Laboratory:	Analytical Resources, LLC	SDG:	22L0307
Client:	Anchor QEA, LLC	Project:	AOC4 UR Phase 3
Sequence:	SLA0129	Instrument:	ECD7
		Calibration:	FL00010

Internal Standard	Response	RT	Reference Response	Reference RT	Area %	Area % Limits	RT Diff	RT Diff Limit	Q
LDW22-SC752B-FD (22L0307-51)		(Solid)		Lab File ID: 01092322ECD7.D			Analyzed: 01/09/23 16:27		
1-Bromo-2-Nitrobenzene	476688	3.513	474601	3.515	100	50 - 200	-0.002	+/-0.50	
Hexabromobiphenyl	689619	14.262	1279653	14.275	54	50 - 200	-0.013	+/-0.50	
1-Bromo-2-Nitrobenzene [2C]	317857	3.949	329167	3.952	97	50 - 200	-0.003	+/-0.50	
Hexabromobiphenyl [2C]	474473	15.006	629076	15.014	75	50 - 200	-0.008	+/-0.50	
LDW22-SC800A (22L0307-52)		(Solid)		Lab File ID: 01092323ECD7.D			Analyzed: 01/09/23 16:48		
1-Bromo-2-Nitrobenzene	448410	3.513	474601	3.515	94	50 - 200	-0.002	+/-0.50	
Hexabromobiphenyl	515502	14.258	1279653	14.275	40	50 - 200	-0.017	+/-0.50	*
1-Bromo-2-Nitrobenzene [2C]	308987	3.95	329167	3.952	94	50 - 200	-0.002	+/-0.50	
Hexabromobiphenyl [2C]	389934	15.003	629076	15.014	62	50 - 200	-0.011	+/-0.50	
LDW22-SC800B (22L0307-53)		(Solid)		Lab File ID: 01092324ECD7.D			Analyzed: 01/09/23 17:09		
1-Bromo-2-Nitrobenzene	480038	3.513	474601	3.515	101	50 - 200	-0.002	+/-0.50	
Hexabromobiphenyl	501313	14.259	1279653	14.275	39	50 - 200	-0.016	+/-0.50	*
1-Bromo-2-Nitrobenzene [2C]	317976	3.95	329167	3.952	97	50 - 200	-0.002	+/-0.50	
Hexabromobiphenyl [2C]	371222	15.004	629076	15.014	59	50 - 200	-0.010	+/-0.50	
LDW22-SC800C (22L0307-54)		(Solid)		Lab File ID: 01092325ECD7.D			Analyzed: 01/09/23 17:30		
1-Bromo-2-Nitrobenzene	475250	3.513	474601	3.515	100	50 - 200	-0.002	+/-0.50	
Hexabromobiphenyl	460382	14.257	1279653	14.275	36	50 - 200	-0.018	+/-0.50	*
1-Bromo-2-Nitrobenzene [2C]	307616	3.95	329167	3.952	93	50 - 200	-0.002	+/-0.50	
Hexabromobiphenyl [2C]	351805	15.004	629076	15.014	56	50 - 200	-0.010	+/-0.50	
LDW22-SC800D (22L0307-55)		(Solid)		Lab File ID: 01092326ECD7.D			Analyzed: 01/09/23 17:51		
1-Bromo-2-Nitrobenzene	462940	3.513	474601	3.515	98	50 - 200	-0.002	+/-0.50	
Hexabromobiphenyl	451070	14.257	1279653	14.275	35	50 - 200	-0.018	+/-0.50	*
1-Bromo-2-Nitrobenzene [2C]	300464	3.95	329167	3.952	91	50 - 200	-0.002	+/-0.50	
Hexabromobiphenyl [2C]	340518	15.004	629076	15.014	54	50 - 200	-0.010	+/-0.50	
LDW22-SC800E (22L0307-56)		(Solid)		Lab File ID: 01092327ECD7.D			Analyzed: 01/09/23 18:12		
1-Bromo-2-Nitrobenzene	448891	3.515	474601	3.515	95	50 - 200	0.000	+/-0.50	
Hexabromobiphenyl	408254	14.257	1279653	14.275	32	50 - 200	-0.018	+/-0.50	*
1-Bromo-2-Nitrobenzene [2C]	293763	3.952	329167	3.952	89	50 - 200	0.000	+/-0.50	
Hexabromobiphenyl [2C]	326491	15.004	629076	15.014	52	50 - 200	-0.010	+/-0.50	

INTERNAL STANDARD AREA AND RT SUMMARY

EPA 8082A

Laboratory:	Analytical Resources, LLC	SDG:	22L0307
Client:	Anchor QEA, LLC	Project:	AOC4 UR Phase 3
Sequence:	SLA0129	Instrument:	ECD7
		Calibration:	FL00010

Internal Standard	Response	RT	Reference Response	Reference RT	Area %	Area % Limits	RT Diff	RT Diff Limit	Q
LDW22-SC800G (22L0307-58)		(Solid)		Lab File ID: 01092329ECD7.D				Analyzed: 01/09/23 18:54	
1-Bromo-2-Nitrobenzene	434959	3.512	474601	3.515	92	50 - 200	-0.003	+/-0.50	
Hexabromobiphenyl	388747	14.257	1279653	14.275	30	50 - 200	-0.018	+/-0.50	*
1-Bromo-2-Nitrobenzene [2C]	285832	3.949	329167	3.952	87	50 - 200	-0.003	+/-0.50	
Hexabromobiphenyl [2C]	303322	15.005	629076	15.014	48	50 - 200	-0.009	+/-0.50	*
LDW22-SC800H (22L0307-59)		(Solid)		Lab File ID: 01092330ECD7.D				Analyzed: 01/09/23 19:15	
1-Bromo-2-Nitrobenzene	418414	3.515	474601	3.515	88	50 - 200	0.000	+/-0.50	
Hexabromobiphenyl	352402	14.257	1279653	14.275	28	50 - 200	-0.018	+/-0.50	*
1-Bromo-2-Nitrobenzene [2C]	276442	3.951	329167	3.952	84	50 - 200	-0.001	+/-0.50	
Hexabromobiphenyl [2C]	290086	15.005	629076	15.014	46	50 - 200	-0.009	+/-0.50	*

INTERNAL STANDARD AREA AND RT SUMMARY

EPA 8082A

Laboratory:	Analytical Resources, LLC	SDG:	22L0307
Client:	Anchor QEA, LLC	Project:	AOC4 UR Phase 3
Sequence:	SLA0136	Instrument:	ECD7
		Calibration:	FL00010

Internal Standard	Response	RT	Reference Response	Reference RT	Area %	Area % Limits	RT Diff	RT Diff Limit	Q
Initial Cal Check (SLA0136-ICV1)		(Solid)	Lab File ID: 01112302ECD7.D				Analyzed: 01/11/23 09:17		
1-Bromo-2-Nitrobenzene	385664	3.513	355800	3.514	108	50 - 200	-0.001	+/-0.50	
Hexabromobiphenyl	870797	14.278	837219	14.276	104	50 - 200	0.002	+/-0.50	
1-Bromo-2-Nitrobenzene [2C]	309423	3.949	284672	3.952	109	50 - 200	-0.003	+/-0.50	
Hexabromobiphenyl [2C]	593050	15.016	544579	15.015	109	50 - 200	0.001	+/-0.50	
Initial Cal Check (SLA0136-ICV2)		(Solid)	Lab File ID: 01112303ECD7.D				Analyzed: 01/11/23 09:38		
1-Bromo-2-Nitrobenzene	355800	3.514	355800	3.514	100	50 - 200	0.000	+/-0.50	
Hexabromobiphenyl	837219	14.276	837219	14.276	100	50 - 200	0.000	+/-0.50	
1-Bromo-2-Nitrobenzene [2C]	284672	3.952	284672	3.952	100	50 - 200	0.000	+/-0.50	
Hexabromobiphenyl [2C]	544579	15.015	544579	15.015	100	50 - 200	0.000	+/-0.50	
LDW22-IT808B (22L0307-30)		(Solid)	Lab File ID: 01112361ECD7.D				Analyzed: 01/12/23 05:59		
1-Bromo-2-Nitrobenzene	414890	3.514	385664	3.513	108	50 - 200	0.001	+/-0.50	
Hexabromobiphenyl	572954	14.259	837219	14.276	68	50 - 200	-0.017	+/-0.50	
1-Bromo-2-Nitrobenzene [2C]	295861	3.95	309423	3.949	96	50 - 200	0.001	+/-0.50	
Hexabromobiphenyl [2C]	443868	15.006	544579	15.015	82	50 - 200	-0.009	+/-0.50	
LDW22-SC804D (22L0307-37)		(Solid)	Lab File ID: 01112362ECD7.D				Analyzed: 01/12/23 06:20		
1-Bromo-2-Nitrobenzene	387028	3.516	385664	3.513	100	50 - 200	0.003	+/-0.50	
Hexabromobiphenyl	408067	14.258	837219	14.276	49	50 - 200	-0.018	+/-0.50	*
1-Bromo-2-Nitrobenzene [2C]	280145	3.952	309423	3.949	91	50 - 200	0.003	+/-0.50	
Hexabromobiphenyl [2C]	324661	15.005	544579	15.015	60	50 - 200	-0.010	+/-0.50	
LDW22-SC783D (22L0307-62)		(Solid)	Lab File ID: 01112363ECD7.D				Analyzed: 01/12/23 06:41		
1-Bromo-2-Nitrobenzene	386511	3.515	385664	3.513	100	50 - 200	0.002	+/-0.50	
Hexabromobiphenyl	511490	14.261	837219	14.276	61	50 - 200	-0.015	+/-0.50	
1-Bromo-2-Nitrobenzene [2C]	289723	3.951	309423	3.949	94	50 - 200	0.002	+/-0.50	
Hexabromobiphenyl [2C]	390008	15.005	544579	15.015	72	50 - 200	-0.010	+/-0.50	
LDW22-SC783F (22L0307-64)		(Solid)	Lab File ID: 01112364ECD7.D				Analyzed: 01/12/23 07:02		
1-Bromo-2-Nitrobenzene	390752	3.514	385664	3.513	101	50 - 200	0.001	+/-0.50	
Hexabromobiphenyl	553528	14.26	837219	14.276	66	50 - 200	-0.016	+/-0.50	
1-Bromo-2-Nitrobenzene [2C]	294241	3.95	309423	3.949	95	50 - 200	0.001	+/-0.50	
Hexabromobiphenyl [2C]	415240	15.006	544579	15.015	76	50 - 200	-0.009	+/-0.50	

INTERNAL STANDARD AREA AND RT SUMMARY

EPA 8082A

Laboratory:	Analytical Resources, LLC	SDG:	22L0307
Client:	Anchor QEA, LLC	Project:	AOC4 UR Phase 3
Sequence:	SLA0156	Instrument:	ECD7
		Calibration:	FL00010

Internal Standard	Response	RT	Reference Response	Reference RT	Area %	Area % Limits	RT Diff	RT Diff Limit	Q
Initial Cal Check (SLA0156-ICV1)		(Solid)	Lab File ID: 01102302ECD7.D				Analyzed: 01/10/23 16:50		
1-Bromo-2-Nitrobenzene	404484	3.513	404484	3.513	100	50 - 200	0.000	+/-0.50	
Hexabromobiphenyl	849738	14.277	849738	14.277	100	50 - 200	0.000	+/-0.50	
1-Bromo-2-Nitrobenzene [2C]	308252	3.949	308252	3.949	100	50 - 200	0.000	+/-0.50	
Hexabromobiphenyl [2C]	525260	15.014	525260	15.014	100	50 - 200	0.000	+/-0.50	
Initial Cal Check (SLA0156-ICV2)		(Solid)	Lab File ID: 01102303ECD7.D				Analyzed: 01/10/23 17:11		
1-Bromo-2-Nitrobenzene	379615	3.513	404484	3.513	94	50 - 200	0.000	+/-0.50	
Hexabromobiphenyl	837414	14.277	849738	14.277	99	50 - 200	0.000	+/-0.50	
1-Bromo-2-Nitrobenzene [2C]	290627	3.951	308252	3.949	94	50 - 200	0.002	+/-0.50	
Hexabromobiphenyl [2C]	505644	15.015	525260	15.014	96	50 - 200	0.001	+/-0.50	
LDW22-SC800F (22L0307-57)		(Solid)	Lab File ID: 01102323ECD7.D				Analyzed: 01/11/23 00:13		
1-Bromo-2-Nitrobenzene	431963	3.515	404484	3.513	107	50 - 200	0.002	+/-0.50	
Hexabromobiphenyl	465394	14.258	837414	14.277	56	50 - 200	-0.019	+/-0.50	
1-Bromo-2-Nitrobenzene [2C]	309785	3.952	308252	3.949	100	50 - 200	0.003	+/-0.50	
Hexabromobiphenyl [2C]	368011	15.005	505644	15.015	73	50 - 200	-0.010	+/-0.50	
LDW22-SC783B (22L0307-60)		(Solid)	Lab File ID: 01102324ECD7.D				Analyzed: 01/11/23 00:34		
1-Bromo-2-Nitrobenzene	435550	3.514	404484	3.513	108	50 - 200	0.001	+/-0.50	
Hexabromobiphenyl	543682	14.26	837414	14.277	65	50 - 200	-0.017	+/-0.50	
1-Bromo-2-Nitrobenzene [2C]	317215	3.95	308252	3.949	103	50 - 200	0.001	+/-0.50	
Hexabromobiphenyl [2C]	412462	15.006	505644	15.015	82	50 - 200	-0.009	+/-0.50	

Analytical Resources, LLC
Analytical Chemists and Consultants

DUAL COLUMN CONFIRMATION SUMMARY

Laboratory:	Analytical Resources, LLC			SDG:	22L0307
Client:	Anchor QEA, LLC			Project:	AOC4 UR Phase 3
Matrix:	Sediment	Laboratory ID:	22L0307-02	File ID:	12312229ECD7.D
Sampled:	12/12/22 08:26	Prepared:	12/27/22 14:11	Analyzed:	12/31/22 20:00
Solids:	69.77	Preparation:	EPA 3546 (Microwave)	Instrument:	ECD7
Batch:	BKL0581	Sequence:	SLA0071		
GC Column(1):	ZB5			GC Column(2):	ZB35

COMPOUND	COL	RT	EXP RT	RT DIFF	AREA	CONC	RPD
Aroclor 1248	* 1	8.416	8.427	0.011	4404.75	3.1	13.8
	2	8.318	8.326	0.008	2219.5	2.7	
Aroclor 1254	1	9.305	9.318	0.013	5601.8	3.1	32.4
	* 2	9.456	9.466	0.01	5638.6	4.3	

* Column used for quantitation

DUAL COLUMN CONFIRMATION SUMMARY

Laboratory:	Analytical Resources, LLC			SDG:	22L0307
Client:	Anchor QEA, LLC			Project:	AOC4 UR Phase 3
Matrix:	Sediment	Laboratory ID:	22L0307-03	File ID:	12312230ECD7.D
Sampled:	12/12/22 08:26	Prepared:	12/27/22 14:11	Analyzed:	12/31/22 20:21
Solids:	70.86	Preparation:	EPA 3546 (Microwave)	Instrument:	ECD7
Batch:	BKL0581	Sequence:	SLA0071		
GC Column(1):	ZB5			GC Column(2):	ZB35

COMPOUND	COL	RT	EXP RT	RT DIFF	AREA	CONC	RPD
Aroclor 1248	* 1	8.417	8.427	0.01	30007.25	20.6	28.3
	2	8.317	8.326	0.009	12856.25	15.5	
Aroclor 1254	* 1	9.304	9.318	0.014	50939.8	28.8	20.3
	2	9.455	9.466	0.011	31698.8	23.5	
Aroclor 1260	1	11.046	11.0625	0.0165	8595.2	4.7	32.1
	* 2	11.66	11.66983	0.00983	9782.75	6.5	

* Column used for quantitation

DUAL COLUMN CONFIRMATION SUMMARY

Laboratory: Analytical Resources, LLC SDG: 22L0307
Client: Anchor QEA, LLC Project: AOC4 UR Phase 3
Matrix: Sediment Laboratory ID: 22L0307-11 File ID: 12312240ECD7.D
Sampled: 12/12/22 07:47 Prepared: 12/27/22 14:11 Analyzed: 12/31/22 23:52
Solids: 72.85 Preparation: EPA 3546 (Microwave) Instrument: ECD7
Batch: BKL0581 Sequence: SLA0071
GC Column(1): ZB5 GC Column(2): ZB35

COMPOUND	COL	RT	EXP RT	RT DIFF	AREA	CONC	RPD
Aroclor 1248	* 1	8.416	8.427	0.011	12838	8.8	13.3
	2	8.319	8.326	0.007	6047.25	7.7	
Aroclor 1254	1	9.304	9.318	0.014	13141.8	7.4	1.3
	* 2	9.457	9.466	0.009	10551.6	7.5	
Aroclor 1260	1	11.045	11.0625	0.0175	2925	1.5	37.8
	* 2	11.661	11.66983	0.00883	3392.25	2.2	

* Column used for quantitation

DUAL COLUMN CONFIRMATION SUMMARY

Laboratory: Analytical Resources, LLC SDG: 22L0307
Client: Anchor QEA, LLC Project: AOC4 UR Phase 3
Matrix: Sediment Laboratory ID: 22L0307-12 File ID: 12312241ECD7.D
Sampled: 12/12/22 07:47 Prepared: 12/27/22 14:11 Analyzed: 01/01/23 00:13
Solids: 74.46 Preparation: EPA 3546 (Microwave) Instrument: ECD7
Batch: BKL0581 Sequence: SLA0071
GC Column(1): ZB5 GC Column(2): ZB35

COMPOUND	COL	RT	EXP RT	RT DIFF	AREA	CONC	RPD
Aroclor 1248	1	8.415	8.427	0.012	5141.5	3.8	7.6
	* 2	8.318	8.326	0.008	3513.25	4.1	
Aroclor 1254	1	9.305	9.318	0.013	6949.2	4.0	35.1
	* 2	9.456	9.466	0.01	7663.2	5.7	
Aroclor 1260	1	11.04	11.0625	0.0225	2528.8	1.2	15.4
	* 2	11.662	11.66983	0.00783	2834.25	1.4	

* Column used for quantitation

DUAL COLUMN CONFIRMATION SUMMARY

Laboratory: Analytical Resources, LLC SDG: 22L0307

Client: Anchor QEA, LLC Project: AOC4 UR Phase 3

Matrix: Sediment Laboratory ID: 22L0307-13 File ID: 12312242ECD7.D

Sampled: 12/12/22 07:47 Prepared: 12/27/22 14:11 Analyzed: 01/01/23 00:34

Solids: 79.29 Preparation: EPA 3546 (Microwave) Instrument: ECD7

Batch: BKL0581 Sequence: SLA0071

GC Column(1): ZB5 GC Column(2): ZB35

COMPOUND	COL	RT	EXP RT	RT DIFF	AREA	CONC	RPD
Aroclor 1254	1	9.308	9.318	0.01	8315.8	4.6	14.1
	* 2	9.458	9.466	0.008	7579.6	5.3	

* Column used for quantitation

DUAL COLUMN CONFIRMATION SUMMARY

Laboratory:	Analytical Resources, LLC			SDG:	22L0307
Client:	Anchor QEA, LLC			Project:	AOC4 UR Phase 3
Matrix:	Sediment	Laboratory ID:	22L0307-14	File ID:	12312243ECD7.D
Sampled:	12/12/22 07:47	Prepared:	12/27/22 14:11	Analyzed:	01/01/23 00:55
Solids:	78.13	Preparation:	EPA 3546 (Microwave)	Instrument:	ECD7
Batch:	BKL0581	Sequence:	SLA0071		
GC Column(1):	ZB5			GC Column(2):	ZB35

COMPOUND	COL	RT	EXP RT	RT DIFF	AREA	CONC	RPD
Aroclor 1254	* 1	9.306	9.318	0.012	30058.8	16.0	1.3
	2	9.456	9.466	0.01	21654.2	15.8	
Aroclor 1260	1	11.049	11.0625	0.0135	7852.8	3.4	16.2
	* 2	11.66	11.66983	0.00983	7408	4.0	

* Column used for quantitation

DUAL COLUMN CONFIRMATION SUMMARY

Laboratory: Analytical Resources, LLC SDG: 22L0307

Client: Anchor QEA, LLC Project: AOC4 UR Phase 3

Matrix: Sediment Laboratory ID: 22L0307-15 File ID: 12312244ECD7.D

Sampled: 12/12/22 08:35 Prepared: 12/27/22 14:11 Analyzed: 01/01/23 01:16

Solids: 75.44 Preparation: EPA 3546 (Microwave) Instrument: ECD7

Batch: BKL0581 Sequence: SLA0071

GC Column(1): ZB5 GC Column(2): ZB35

COMPOUND	COL	RT	EXP RT	RT DIFF	AREA	CONC	RPD
Aroclor 1248	* 1	8.412	8.427	0.015	43253.75	14.0	16.2
	2	8.314	8.326	0.012	17182.25	11.9	
Aroclor 1254	1	9.301	9.318	0.017	109189.6	56.4	29.5
	* 2	9.452	9.466	0.014	109922.6	75.9	
Aroclor 1260	1	11.044	11.0625	0.0185	64467.4	33.0	17.4
	* 2	11.656	11.66983	0.0138	70860.5	39.3	

* Column used for quantitation

DUAL COLUMN CONFIRMATION SUMMARY

Laboratory:	Analytical Resources, LLC			SDG:	22L0307
Client:	Anchor QEA, LLC			Project:	AOC4 UR Phase 3
Matrix:	Sediment	Laboratory ID:	22L0307-16	File ID:	12312245ECD7.D
Sampled:	12/12/22 08:35	Prepared:	12/27/22 14:11	Analyzed:	01/01/23 01:37
Solids:	61.57	Preparation:	EPA 3546 (Microwave)	Instrument:	ECD7
Batch:	BKL0581	Sequence:	SLA0071		
GC Column(1):	ZB5			GC Column(2):	ZB35

COMPOUND	COL	RT	EXP RT	RT DIFF	AREA	CONC	RPD
Aroclor 1248	* 1	8.409	8.427	0.018	81278.75	53.7	32.2
	2	8.313	8.326	0.013	35779.25	38.8	
Aroclor 1254	1	9.299	9.318	0.019	179647.2	95.2	17.1
	* 2	9.449	9.466	0.017	144660.8	113	
Aroclor 1260	1	11.043	11.0625	0.0195	55467	45.7	26.7
	* 2	11.654	11.66983	0.0158	73498.5	59.8	

* Column used for quantitation

DUAL COLUMN CONFIRMATION SUMMARY

Laboratory:	Analytical Resources, LLC			SDG:	22L0307
Client:	Anchor QEA, LLC			Project:	AOC4 UR Phase 3
Matrix:	Sediment	Laboratory ID:	22L0307-17	File ID:	12312246ECD7.D
Sampled:	12/12/22 08:35	Prepared:	12/27/22 14:11	Analyzed:	01/01/23 01:58
Solids:	61.25	Preparation:	EPA 3546 (Microwave)	Instrument:	ECD7
Batch:	BKL0581	Sequence:	SLA0071		
GC Column(1):	ZB5			GC Column(2):	ZB35

COMPOUND	COL	RT	EXP RT	RT DIFF	AREA	CONC	RPD
Aroclor 1248	* 1	8.411	8.427	0.016	38776	28.2	29.7
	2	8.312	8.326	0.014	17980	20.9	
Aroclor 1254	1	9.298	9.318	0.02	73953.2	44.7	19.8
	* 2	9.449	9.466	0.017	65226.4	54.5	
Aroclor 1260	1	11.042	11.0625	0.0205	54108.2	52.0	2.3
	* 2	11.654	11.66983	0.0158	65607	53.2	

* Column used for quantitation

DUAL COLUMN CONFIRMATION SUMMARY

Laboratory:	Analytical Resources, LLC			SDG:	22L0307
Client:	Anchor QEA, LLC			Project:	AOC4 UR Phase 3
Matrix:	Sediment	Laboratory ID:	22L0307-18	File ID:	12312247ECD7.D
Sampled:	12/12/22 08:35	Prepared:	12/27/22 14:11	Analyzed:	01/01/23 02:19
Solids:	67.54	Preparation:	EPA 3546 (Microwave)	Instrument:	ECD7
Batch:	BKL0581	Sequence:	SLA0071		
GC Column(1):	ZB5			GC Column(2):	ZB35

COMPOUND	COL	RT	EXP RT	RT DIFF	AREA	CONC	RPD
Aroclor 1248	1	8.41	8.427	0.017	19716.5	7.1	23.6
	* 2	8.313	8.326	0.013	8730.75	9.0	
Aroclor 1254	1	9.299	9.318	0.019	123967.6	29.4	19.9
	* 2	9.449	9.466	0.017	42760	35.9	
Aroclor 1260	* 1	11.043	11.0625	0.0195	70477	61.9	10.9
	2	11.653	11.66983	0.0168	72272.75	55.5	

* Column used for quantitation

DUAL COLUMN CONFIRMATION SUMMARY

Laboratory: Analytical Resources, LLC
SDG: 22L0307
Client: Anchor QEA, LLC
Project: AOC4 UR Phase 3
Matrix: Sediment
Laboratory ID: 22L0307-19
File ID: 12312248ECD7.D
Sampled: 12/12/22 08:35
Prepared: 12/27/22 14:11
Analyzed: 01/01/23 02:40
Solids: 76.80
Preparation: EPA 3546 (Microwave)
Instrument: ECD7
Batch: BKL0581
Sequence: SLA0071
GC Column(1): ZB5
GC Column(2): ZB35

COMPOUND		COL	RT	EXP RT	RT DIFF	AREA	CONC	RPD
Aroclor 1248	*	1	8.413	8.427	0.014	4284	2.2	20.
		2	8.316	8.326	0.01	1478	1.8	
Aroclor 1254		1	9.302	9.318	0.016	7526	3.8	27.3
	*	2	9.453	9.466	0.013	6248.2	5.0	
Aroclor 1260	*	1	11.045	11.0625	0.0175	12537.4	8.9	9.4
		2	11.655	11.66983	0.0148	11809.5	8.1	

* Column used for quantitation

DUAL COLUMN CONFIRMATION SUMMARY

Laboratory: Analytical Resources, LLC SDG: 22L0307

Client: Anchor QEA, LLC Project: AOC4 UR Phase 3

Matrix: Sediment Laboratory ID: 22L0307-08 File ID: 01032306ECD7.D

Sampled: 12/12/22 07:47 Prepared: 12/27/22 14:11 Analyzed: 01/03/23 10:02

Solids: 69.33 Preparation: EPA 3546 (Microwave) Instrument: ECD7

Batch: BKL0581 Sequence: SLA0079

GC Column(1): ZB5 GC Column(2): ZB35

COMPOUND	COL	RT	EXP RT	RT DIFF	AREA	CONC	RPD
Aroclor 1254	1	9.308	9.318	0.01	262536.8	1680	10.2
	* 2	9.457	9.466	0.009	230997.8	1860	
Aroclor 1260	* 1	11.052	11.0625	0.0105	68377.4	292	38.5
	2	11.663	11.66983	0.00683	76931.75	431	

* Column used for quantitation

DUAL COLUMN CONFIRMATION SUMMARY

Laboratory: Analytical Resources, LLC SDG: 22L0307

Client: Anchor QEA, LLC Project: AOC4 UR Phase 3

Matrix: Sediment Laboratory ID: 22L0307-09 File ID: 01032307ECD7.D

Sampled: 12/12/22 07:47 Prepared: 12/27/22 14:11 Analyzed: 01/03/23 10:23

Solids: 70.57 Preparation: EPA 3546 (Microwave) Instrument: ECD7

Batch: BKL0581 Sequence: SLA0079

GC Column(1): ZB5 GC Column(2): ZB35

COMPOUND	COL	RT	EXP RT	RT DIFF	AREA	CONC	RPD
Aroclor 1254	* 1	9.307	9.318	0.011	97835.2	307	9.2
	2	9.457	9.466	0.009	70896	280	
Aroclor 1260	* 1	11.052	11.0625	0.0105	18482.6	36.6	2.5
	2	11.663	11.66983	0.00683	20307	35.7	

* Column used for quantitation

DUAL COLUMN CONFIRMATION SUMMARY

Laboratory:	Analytical Resources, LLC			SDG:	22L0307
Client:	Anchor QEA, LLC			Project:	AOC4 UR Phase 3
Matrix:	Sediment	Laboratory ID:	22L0307-10	File ID:	01032308ECD7.D
Sampled:	12/12/22 07:47	Prepared:	12/27/22 14:11	Analyzed:	01/03/23 10:44
Solids:	70.97	Preparation:	EPA 3546 (Microwave)	Instrument:	ECD7
Batch:	BKL0581	Sequence:	SLA0079		
GC Column(1):	ZB5			GC Column(2):	ZB35

COMPOUND	COL	RT	EXP RT	RT DIFF	AREA	CONC	RPD
Aroclor 1254	* 1	9.307	9.318	0.011	124779	377	7.1
	2	9.457	9.466	0.009	91410.4	351	
Aroclor 1260	* 1	11.051	11.0625	0.0115	22668.6	42.3	.2
	2	11.663	11.66983	0.00683	26198.75	42.2	

* Column used for quantitation

Analytical Resources, LLC
Analytical Chemists and Consultants

DUAL COLUMN CONFIRMATION SUMMARY

Laboratory: Analytical Resources, LLC
SDG: 22L0307
Client: Anchor QEA, LLC
Project: AOC4 UR Phase 3
Matrix: Sediment
Laboratory ID: 22L0307-01
File ID: 01052389ECD7.D
Sampled: 12/12/22 08:26
Prepared: 12/27/22 14:11
Analyzed: 01/06/23 19:18
Solids: 72.67
Preparation: EPA 3546 (Microwave)
Instrument: ECD7
Batch: BKL0581
Sequence: SLA0096
GC Column(1): ZB5
GC Column(2): ZB35

COMPOUND	COL	RT	EXP RT	RT DIFF	AREA	CONC	RPD
Aroclor 1254	* 1	9.307	9.318	0.011	83288	256	10.3
	2	9.455	9.466	0.011	60318.6	231	
Aroclor 1260	1	11.048	11.0625	0.0145	12604.6	41.5	30.1
	* 2	11.659	11.66983	0.0108	15794.5	56.2	

* Column used for quantitation

DUAL COLUMN CONFIRMATION SUMMARY

Laboratory: Analytical Resources, LLC
SDG: 22L0307
Client: Anchor QEA, LLC
Project: AOC4 UR Phase 3
Matrix: Sediment
Laboratory ID: 22L0307-21
File ID: 01072329ECD7.D
Sampled: 12/12/22 09:26
Prepared: 12/28/22 14:11
Analyzed: 01/07/23 19:27
Solids: 66.07
Preparation: EPA 3546 (Microwave)
Instrument: ECD7
Batch: BKL0582
Sequence: SLA0099
GC Column(1): ZB5
GC Column(2): ZB35

COMPOUND	COL	RT	EXP RT	RT DIFF	AREA	CONC	RPD
Aroclor 1254	* 1	9.3	9.318	0.018	5158.4	3.1	34.7
	2	9.45	9.466	0.016	5182.4	4.4	
Aroclor 1260	* 1	11.044	11.0625	0.0185	4520.8	3.5	2.9
	2	11.655	11.66983	0.0148	4645	3.4	

* Column used for quantitation

DUAL COLUMN CONFIRMATION SUMMARY

Laboratory: Analytical Resources, LLC SDG: 22L0307

Client: Anchor QEA, LLC Project: AOC4 UR Phase 3

Matrix: Sediment Laboratory ID: 22L0307-29 File ID: 01072337ECD7.D

Sampled: 12/12/22 09:46 Prepared: 12/28/22 14:11 Analyzed: 01/07/23 22:15

Solids: 55.34 Preparation: EPA 3546 (Microwave) Instrument: ECD7

Batch: BKL0582 Sequence: SLA0099

GC Column(1): ZB5 GC Column(2): ZB35

COMPOUND	COL	RT	EXP RT	RT DIFF	AREA	CONC	RPD
Aroclor 1248	1	8.409	8.427	0.018	180875.8	132	8.
	* 2	8.312	8.326	0.014	103269	143	
Aroclor 1254	1	9.297	9.318	0.021	253210	147	24.5
	* 2	9.449	9.466	0.017	238096.8	188	
Aroclor 1260	1	11.043	11.0625	0.0195	90676.8	79.0	7.1
	* 2	11.653	11.66983	0.0168	112529.8	84.8	

* Column used for quantitation

DUAL COLUMN CONFIRMATION SUMMARY

Laboratory: Analytical Resources, LLC SDG: 22L0307

Client: Anchor QEA, LLC Project: AOC4 UR Phase 3

Matrix: Sediment Laboratory ID: 22L0307-35 File ID: 01072347ECD7.D

Sampled: 12/12/22 11:18 Prepared: 12/28/22 14:11 Analyzed: 01/08/23 01:46

Solids: 71.22 Preparation: EPA 3546 (Microwave) Instrument: ECD7

Batch: BKL0582 Sequence: SLA0099

GC Column(1): ZB5 GC Column(2): ZB35

COMPOUND	COL	RT	EXP RT	RT DIFF	AREA	CONC	RPD
Aroclor 1248	* 1	8.402	8.427	0.025	97939.25	69.3	26.1
	2	8.31	8.326	0.016	44517.5	53.3	
Aroclor 1254	1	9.297	9.318	0.021	157516	86.6	12.7
	* 2	9.447	9.466	0.019	126335.2	98.3	
Aroclor 1260	1	11.042	11.0625	0.0205	67299.2	62.7	7.1
	* 2	11.651	11.66983	0.0188	79709.25	67.3	

* Column used for quantitation

Analytical Resources, LLC
Analytical Chemists and Consultants

DUAL COLUMN CONFIRMATION SUMMARY

Laboratory: Analytical Resources, LLC
SDG: 22L0307
Client: Anchor QEA, LLC
Project: AOC4 UR Phase 3
Matrix: Sediment
Laboratory ID: 22L0307-36
File ID: 01072348ECD7.D
Sampled: 12/12/22 11:18
Prepared: 12/28/22 14:11
Analyzed: 01/08/23 02:07
Solids: 78.89
Preparation: EPA 3546 (Microwave)
Instrument: ECD7
Batch: BKL0582
Sequence: SLA0099
GC Column(1): ZB5
GC Column(2): ZB35

COMPOUND	COL	RT	EXP RT	RT DIFF	AREA	CONC	RPD
Aroclor 1248	1	8.412	8.427	0.015	26558	11.6	5.9
	* 2	8.313	8.326	0.013	10656.75	12.3	
Aroclor 1254	1	9.3	9.318	0.018	40791	23.2	17.7
	* 2	9.449	9.466	0.017	39235	27.7	
Aroclor 1260	1	11.046	11.0625	0.0165	17645.2	11.8	8.9
	* 2	11.654	11.66983	0.0158	19916.5	12.9	

* Column used for quantitation

DUAL COLUMN CONFIRMATION SUMMARY

Laboratory:	Analytical Resources, LLC			SDG:	22L0307
Client:	Anchor QEA, LLC			Project:	AOC4 UR Phase 3
Matrix:	Sediment	Laboratory ID:	22L0307-38	File ID:	01072350ECD7.D
Sampled:	12/12/22 11:18	Prepared:	12/28/22 14:11	Analyzed:	01/08/23 02:50
Solids:	79.11	Preparation:	EPA 3546 (Microwave)	Instrument:	ECD7
Batch:	BKL0582	Sequence:	SLA0099		
GC Column(1):	ZB5			GC Column(2):	ZB35

COMPOUND	COL	RT	EXP RT	RT DIFF	AREA	CONC	RPD
Aroclor 1254	1	9.303	9.318	0.015	9521	5.7	19.
	* 2	9.452	9.466	0.014	9675	6.9	
Aroclor 1260	1	11.046	11.0625	0.0165	4508.6	4.3	15.1
	* 2	11.656	11.66983	0.0138	5449.5	5.0	

* Column used for quantitation

DUAL COLUMN CONFIRMATION SUMMARY

Laboratory: Analytical Resources, LLC SDG: 22L0307

Client: Anchor QEA, LLC Project: AOC4 UR Phase 3

Matrix: Sediment Laboratory ID: 22L0307-61 File ID: 01072365ECD7.D

Sampled: 12/12/22 12:59 Prepared: 12/29/22 12:24 Analyzed: 01/08/23 08:06

Solids: 66.60 Preparation: EPA 3546 (Microwave) Instrument: ECD7

Batch: BKL0584 Sequence: SLA0099

GC Column(1): ZB5 GC Column(2): ZB35

COMPOUND	COL	RT	EXP RT	RT DIFF	AREA	CONC	RPD
Aroclor 1248	* 1	8.411	8.427	0.016	31014.5	23.2	18.9
	2	8.312	8.326	0.014	14922.75	19.2	
Aroclor 1254	* 1	9.299	9.318	0.019	52863.2	32.0	12.3
	2	9.45	9.466	0.016	34735.8	28.3	
Aroclor 1260	1	11.045	11.0625	0.0175	14154.8	9.6	3.1
	* 2	11.654	11.66983	0.0158	15234.25	9.9	

* Column used for quantitation

DUAL COLUMN CONFIRMATION SUMMARY

Laboratory:	Analytical Resources, LLC			SDG:	22L0307
Client:	Anchor QEA, LLC			Project:	AOC4 UR Phase 3
Matrix:	Sediment	Laboratory ID:	22L0307-63	File ID:	01072367ECD7.D
Sampled:	12/12/22 12:59	Prepared:	12/29/22 12:24	Analyzed:	01/08/23 08:48
Solids:	64.33	Preparation:	EPA 3546 (Microwave)	Instrument:	ECD7
Batch:	BKL0584	Sequence:	SLA0099		
GC Column(1):	ZB5			GC Column(2):	ZB35

COMPOUND	COL	RT	EXP RT	RT DIFF	AREA	CONC	RPD
Aroclor 1248	* 1	8.41	8.427	0.017	52173	40.1	12.7
	2	8.311	8.326	0.015	25731	35.3	
Aroclor 1254	1	9.298	9.318	0.02	81979.4	51.3	10.9
	* 2	9.448	9.466	0.018	67161.2	57.2	
Aroclor 1260	* 1	11.043	11.0625	0.0195	25643.8	20.5	.
	2	11.653	11.66983	0.0168	28520	20.5	

* Column used for quantitation

DUAL COLUMN CONFIRMATION SUMMARY

Laboratory: Analytical Resources, LLC SDG: 22L0307
Client: Anchor QEA, LLC Project: AOC4 UR Phase 3
Matrix: Sediment Laboratory ID: 22L0307-65 File ID: 01072369ECD7.D
Sampled: 12/12/22 12:59 Prepared: 12/29/22 12:24 Analyzed: 01/08/23 09:30
Solids: 61.94 Preparation: EPA 3546 (Microwave) Instrument: ECD7
Batch: BKL0584 Sequence: SLA0099
GC Column(1): ZB5 GC Column(2): ZB35

COMPOUND	COL	RT	EXP RT	RT DIFF	AREA	CONC	RPD
Aroclor 1248	1	8.409	8.427	0.018	130500.5	101	2.9
	* 2	8.311	8.326	0.015	75814.25	104	
Aroclor 1254	* 1	9.297	9.318	0.021	199343.8	127	3.2
	2	9.447	9.466	0.019	147641	123	
Aroclor 1260	* 1	11.042	11.0625	0.0205	55341.8	50.3	13.6
	2	11.652	11.66983	0.0178	56947.75	43.9	

* Column used for quantitation

DUAL COLUMN CONFIRMATION SUMMARY

Laboratory:	Analytical Resources, LLC			SDG:	22L0307
Client:	Anchor QEA, LLC			Project:	AOC4 UR Phase 3
Matrix:	Sediment	Laboratory ID:	22L0307-66	File ID:	01072370ECD7.D
Sampled:	12/12/22 12:59	Prepared:	12/29/22 12:24	Analyzed:	01/08/23 09:52
Solids:	64.38	Preparation:	EPA 3546 (Microwave)	Instrument:	ECD7
Batch:	BKL0584	Sequence:	SLA0099		
GC Column(1):	ZB5			GC Column(2):	ZB35

COMPOUND	COL	RT	EXP RT	RT DIFF	AREA	CONC	RPD
Aroclor 1248	* 1	8.409	8.427	0.018	98968.75	74.4	10.2
	2	8.311	8.326	0.015	53306	67.2	
Aroclor 1254	* 1	9.297	9.318	0.021	168887	105	2.9
	2	9.448	9.466	0.018	126053.4	102	
Aroclor 1260	1	11.042	11.0625	0.0205	50212.8	41.4	.
	* 2	11.653	11.66983	0.0168	56443.25	41.4	

* Column used for quantitation

DUAL COLUMN CONFIRMATION SUMMARY

Laboratory:	Analytical Resources, LLC			SDG:	22L0307
Client:	Anchor QEA, LLC			Project:	AOC4 UR Phase 3
Matrix:	Sediment	Laboratory ID:	22L0307-43	File ID:	01092310ECD7.D
Sampled:	12/12/22 11:01	Prepared:	12/29/22 13:41	Analyzed:	01/09/23 12:13
Solids:	71.42	Preparation:	EPA 3546 (Microwave)	Instrument:	ECD7
Batch:	BKL0583	Sequence:	SLA0129		
GC Column(1):	ZB5			GC Column(2):	ZB35

COMPOUND	COL	RT	EXP RT	RT DIFF	AREA	CONC	RPD
Aroclor 1248	1	8.41	8.427	0.017	23478.5	11.1	6.1
	* 2	8.312	8.326	0.014	9417.5	11.8	
Aroclor 1254	1	9.298	9.318	0.02	39947.8	22.2	11.1
	* 2	9.448	9.466	0.018	32706.4	24.8	
Aroclor 1260	* 1	11.044	11.0625	0.0185	24485.2	15.8	5.2
	2	11.652	11.66983	0.0178	24696	15.0	

* Column used for quantitation

DUAL COLUMN CONFIRMATION SUMMARY

Laboratory: Analytical Resources, LLC SDG: 22L0307
Client: Anchor QEA, LLC Project: AOC4 UR Phase 3
Matrix: Sediment Laboratory ID: 22L0307-52 File ID: 01092323ECD7.D
Sampled: 12/12/22 12:14 Prepared: 12/29/22 13:41 Analyzed: 01/09/23 16:48
Solids: 45.25 Preparation: EPA 3546 (Microwave) Instrument: ECD7
Batch: BKL0583 Sequence: SLA0129
GC Column(1): ZB5 GC Column(2): ZB35

COMPOUND	COL	RT	EXP RT	RT DIFF	AREA	CONC	RPD
Aroclor 1248	1	8.41	8.427	0.017	47300	24.1	22.5
	* 2	8.311	8.326	0.015	16683.25	30.2	
Aroclor 1254	1	9.297	9.318	0.021	89625.2	55.5	3.4
	* 2	9.447	9.466	0.019	71868.8	57.4	
Aroclor 1260	1	11.041	11.0625	0.0215	43617.8	35.0	6.5
	* 2	11.651	11.66983	0.0188	45159.5	32.8	

* Column used for quantitation

DUAL COLUMN CONFIRMATION SUMMARY

Laboratory: Analytical Resources, LLC SDG: 22L0307

Client: Anchor QEA, LLC Project: AOC4 UR Phase 3

Matrix: Sediment Laboratory ID: 22L0307-53 File ID: 01092324ECD7.D

Sampled: 12/12/22 12:14 Prepared: 12/29/22 13:41 Analyzed: 01/09/23 17:09

Solids: 50.58 Preparation: EPA 3546 (Microwave) Instrument: ECD7

Batch: BKL0583 Sequence: SLA0129

GC Column(1): ZB5 GC Column(2): ZB35

COMPOUND	COL	RT	EXP RT	RT DIFF	AREA	CONC	RPD
Aroclor 1248	* 1	8.409	8.427	0.018	79807	56.0	20.5
	2	8.31	8.326	0.016	27209.25	45.6	
Aroclor 1254	1	9.296	9.318	0.022	101260.8	55.4	52.4
	* 2	9.447	9.466	0.019	124433.2	94.7	
Aroclor 1260	* 1	11.042	11.0625	0.0205	69019.4	57.3	.7
	2	11.651	11.66983	0.0188	76110.5	56.9	

* Column used for quantitation

DUAL COLUMN CONFIRMATION SUMMARY

Laboratory: Analytical Resources, LLC
SDG: 22L0307
Client: Anchor QEA, LLC
Project: AOC4 UR Phase 3
Matrix: Sediment
Laboratory ID: 22L0307-54
File ID: 01092325ECD7.D
Sampled: 12/12/22 12:14
Prepared: 12/29/22 13:41
Analyzed: 01/09/23 17:30
Solids: 57.48
Preparation: EPA 3546 (Microwave)
Instrument: ECD7
Batch: BKL0583
Sequence: SLA0129
GC Column(1): ZB5
GC Column(2): ZB35

COMPOUND	COL	RT	EXP RT	RT DIFF	AREA	CONC	RPD
Aroclor 1248	* 1	8.408	8.427	0.019	147117.3	73.6	24.7
	2	8.31	8.326	0.016	73421	94.3	
Aroclor 1254	1	9.297	9.318	0.021	229193.6	130	21.9
	* 2	9.447	9.466	0.019	202078	162	
Aroclor 1260	* 1	11.042	11.0625	0.0205	114573.6	104	.
	2	11.651	11.66983	0.0188	133203	104	

* Column used for quantitation

DUAL COLUMN CONFIRMATION SUMMARY

Laboratory: Analytical Resources, LLC SDG: 22L0307

Client: Anchor QEA, LLC Project: AOC4 UR Phase 3

Matrix: Sediment Laboratory ID: 22L0307-55 File ID: 01092326ECD7.D

Sampled: 12/12/22 12:14 Prepared: 12/29/22 13:41 Analyzed: 01/09/23 17:51

Solids: 60.14 Preparation: EPA 3546 (Microwave) Instrument: ECD7

Batch: BKL0583 Sequence: SLA0129

GC Column(1): ZB5 GC Column(2): ZB35

COMPOUND	COL	RT	EXP RT	RT DIFF	AREA	CONC	RPD
Aroclor 1248	1	8.409	8.427	0.018	167325	124	1.6
	* 2	8.31	8.326	0.016	65756.75	126	
Aroclor 1254	1	9.296	9.318	0.022	300746.6	181	3.8
	* 2	9.447	9.466	0.019	229155.2	188	
Aroclor 1260	1	11.042	11.0625	0.0205	100782.8	93.1	4.4
	* 2	11.651	11.66983	0.0188	120292	97.3	

* Column used for quantitation

DUAL COLUMN CONFIRMATION SUMMARY

Laboratory: Analytical Resources, LLC SDG: 22L0307

Client: Anchor QEA, LLC Project: AOC4 UR Phase 3

Matrix: Sediment Laboratory ID: 22L0307-56 File ID: 01092327ECD7.D

Sampled: 12/12/22 12:14 Prepared: 12/29/22 13:41 Analyzed: 01/09/23 18:12

Solids: 62.97 Preparation: EPA 3546 (Microwave) Instrument: ECD7

Batch: BKL0583 Sequence: SLA0129

GC Column(1): ZB5 GC Column(2): ZB35

COMPOUND	COL	RT	EXP RT	RT DIFF	AREA	CONC	RPD
Aroclor 1248	* 1	8.408	8.427	0.019	84008.75	64.1	29.7
	2	8.31	8.326	0.016	31229.5	47.5	
Aroclor 1254	1	9.296	9.318	0.022	147560.8	92.0	40.7
	* 2	9.446	9.466	0.02	163160	139	
Aroclor 1260	1	11.042	11.0625	0.0205	168662.4	179	6.3
	* 2	11.651	11.66983	0.0188	200107.5	168	

* Column used for quantitation

DUAL COLUMN CONFIRMATION SUMMARY

Laboratory: Analytical Resources, LLC
SDG: 22L0307
Client: Anchor QEA, LLC
Project: AOC4 UR Phase 3
Matrix: Sediment
Laboratory ID: 22L0307-58
File ID: 01092329ECD7.D
Sampled: 12/12/22 12:14
Prepared: 12/29/22 13:41
Analyzed: 01/09/23 18:54
Solids: 69.06
Preparation: EPA 3546 (Microwave)
Instrument: ECD7
Batch: BKL0583
Sequence: SLA0129
GC Column(1): ZB5
GC Column(2): ZB35

COMPOUND	COL	RT	EXP RT	RT DIFF	AREA	CONC	RPD
Aroclor 1248	* 1	8.409	8.427	0.018	21901.75	8.8	17.3
	2	8.31	8.326	0.016	7948.75	7.4	
Aroclor 1254	1	9.296	9.318	0.022	42744.4	27.4	17.
	* 2	9.446	9.466	0.02	50496	32.5	
Aroclor 1260	* 1	11.042	11.0625	0.0205	109619.4	124	6.7
	2	11.651	11.66983	0.0188	128636.8	116	

* Column used for quantitation

DUAL COLUMN CONFIRMATION SUMMARY

Laboratory: Analytical Resources, LLC SDG: 22L0307
Client: Anchor QEA, LLC Project: AOC4 UR Phase 3
Matrix: Sediment Laboratory ID: 22L0307-59 File ID: 01092330ECD7.D
Sampled: 12/12/22 12:14 Prepared: 12/29/22 13:41 Analyzed: 01/09/23 19:15
Solids: 62.42 Preparation: EPA 3546 (Microwave) Instrument: ECD7
Batch: BKL0583 Sequence: SLA0129
GC Column(1): ZB5 GC Column(2): ZB35

COMPOUND	COL	RT	EXP RT	RT DIFF	AREA	CONC	RPD
Aroclor 1248	* 1	8.408	8.427	0.019	26276.5	9.3	6.7
	2	8.309	8.326	0.017	7615.5	8.7	
Aroclor 1254	1	9.296	9.318	0.022	75848.8	53.1	7.4
	* 2	9.445	9.466	0.021	58892	57.2	
Aroclor 1260	* 1	11.042	11.0625	0.0205	104651.4	129	8.9
	2	11.65	11.66983	0.0198	126054.8	118	

* Column used for quantitation

DUAL COLUMN CONFIRMATION SUMMARY

Laboratory: Analytical Resources, LLC SDG: 22L0307

Client: Anchor QEA, LLC Project: AOC4 UR Phase 3

Matrix: Sediment Laboratory ID: 22L0307-30 File ID: 01112361ECD7.D

Sampled: 12/12/22 09:46 Prepared: 12/28/22 14:11 Analyzed: 01/12/23 05:59

Solids: 57.36 Preparation: EPA 3546 (Microwave) Instrument: ECD7

Batch: BKL0582 Sequence: SLA0136

GC Column(1): ZB5 GC Column(2): ZB35

COMPOUND	COL	RT	EXP RT	RT DIFF	AREA	CONC	RPD
Aroclor 1248	1	8.41	8.427	0.017	63218.75	258	9.6
	* 2	8.311	8.326	0.015	37821	284	
Aroclor 1254	1	9.297	9.318	0.021	113255.4	316	21.7
	* 2	9.448	9.466	0.018	96041.8	393	
Aroclor 1260	1	11.042	11.0625	0.0205	49149.2	186	2.1
	* 2	11.652	11.66983	0.0178	60543.75	190	

* Column used for quantitation

DUAL COLUMN CONFIRMATION SUMMARY

Laboratory: Analytical Resources, LLC
SDG: 22L0307
Client: Anchor QEA, LLC
Project: AOC4 UR Phase 3
Matrix: Sediment
Laboratory ID: 22L0307-37
File ID: 01112362ECD7.D
Sampled: 12/12/22 11:18
Prepared: 12/28/22 14:11
Analyzed: 01/12/23 06:20
Solids: 57.03
Preparation: EPA 3546 (Microwave)
Instrument: ECD7
Batch: BKL0582
Sequence: SLA0136
GC Column(1): ZB5
GC Column(2): ZB35

COMPOUND	COL	RT	EXP RT	RT DIFF	AREA	CONC	RPD
Aroclor 1248	* 1	8.404	8.427	0.023	113299	364	1.6
	2	8.311	8.326	0.015	48318.75	370	
Aroclor 1254	1	9.297	9.318	0.021	177101.2	565	9.6
	* 2	9.447	9.466	0.019	141424	622	
Aroclor 1260	* 1	11.042	11.0625	0.0205	68548.6	375	33.3
	2	11.651	11.66983	0.0188	62149.5	268	

* Column used for quantitation

DUAL COLUMN CONFIRMATION SUMMARY

Laboratory: Analytical Resources, LLC SDG: 22L0307
Client: Anchor QEA, LLC Project: AOC4 UR Phase 3
Matrix: Sediment Laboratory ID: 22L0307-62 File ID: 01112363ECD7.D
Sampled: 12/12/22 12:59 Prepared: 12/29/22 12:24 Analyzed: 01/12/23 06:41
Solids: 57.54 Preparation: EPA 3546 (Microwave) Instrument: ECD7
Batch: BKL0584 Sequence: SLA0136
GC Column(1): ZB5 GC Column(2): ZB35

COMPOUND	COL	RT	EXP RT	RT DIFF	AREA	CONC	RPD
Aroclor 1248	* 1	8.412	8.427	0.015	64611.75	285	5.8
	2	8.313	8.326	0.013	38589.5	269	
Aroclor 1254	1	9.299	9.318	0.019	102306.6	314	11.7
	* 2	9.45	9.466	0.016	84698	353	
Aroclor 1260	1	11.044	11.0625	0.0185	33155.4	137	1.4
	* 2	11.653	11.66983	0.0168	39458.25	139	

* Column used for quantitation

DUAL COLUMN CONFIRMATION SUMMARY

Laboratory:	Analytical Resources, LLC			SDG:	22L0307
Client:	Anchor QEA, LLC			Project:	AOC4 UR Phase 3
Matrix:	Sediment	Laboratory ID:	22L0307-64	File ID:	01112364ECD7.D
Sampled:	12/12/22 12:59	Prepared:	12/29/22 12:24	Analyzed:	01/12/23 07:02
Solids:	60.52	Preparation:	EPA 3546 (Microwave)	Instrument:	ECD7
Batch:	BKL0584	Sequence:	SLA0136		
GC Column(1):	ZB5			GC Column(2):	ZB35

COMPOUND	COL	RT	EXP RT	RT DIFF	AREA	CONC	RPD
Aroclor 1248	* 1	8.411	8.427	0.016	92467.75	399	9.7
	2	8.313	8.326	0.013	51880.5	362	
Aroclor 1254	* 1	9.299	9.318	0.019	163458.2	576	10.2
	2	9.45	9.466	0.016	127314	520	
Aroclor 1260	1	11.044	11.0625	0.0185	38532.2	146	9.8
	* 2	11.654	11.66983	0.0158	47770.75	161	

* Column used for quantitation

Analytical Resources, LLC
Analytical Chemists and Consultants

DUAL COLUMN CONFIRMATION SUMMARY

Laboratory:	Analytical Resources, LLC			SDG:	22L0307
Client:	Anchor QEA, LLC			Project:	AOC4 UR Phase 3
Matrix:	Sediment	Laboratory ID:	22L0307-57	File ID:	01102323ECD7.D
Sampled:	12/12/22 12:14	Prepared:	12/29/22 13:41	Analyzed:	01/11/23 00:13
Solids:	55.57	Preparation:	EPA 3546 (Microwave)	Instrument:	ECD7
Batch:	BKL0583	Sequence:	SLA0156		
GC Column(1):	ZB5			GC Column(2):	ZB35

COMPOUND	COL	RT	EXP RT	RT DIFF	AREA	CONC	RPD
Aroclor 1254	1	9.297	9.318	0.021	44938	113	26.8
	* 2	9.447	9.466	0.019	46267.6	148	
Aroclor 1260	1	11.043	11.0625	0.0195	56367.6	256	5.6
	* 2	11.651	11.66983	0.0188	66273.25	242	

* Column used for quantitation

DUAL COLUMN CONFIRMATION SUMMARY

Laboratory: Analytical Resources, LLC
SDG: 22L0307
Client: Anchor QEA, LLC
Project: AOC4 UR Phase 3
Matrix: Sediment
Laboratory ID: 22L0307-60
File ID: 01102324ECD7.D
Sampled: 12/12/22 12:59
Prepared: 12/29/22 13:41
Analyzed: 01/11/23 00:34
Solids: 58.24
Preparation: EPA 3546 (Microwave)
Instrument: ECD7
Batch: BKL0583
Sequence: SLA0156
GC Column(1): ZB5
GC Column(2): ZB35

COMPOUND	COL	RT	EXP RT	RT DIFF	AREA	CONC	RPD
Aroclor 1248	1	8.411	8.427	0.016	86731.25	214	21.7
	* 2	8.312	8.326	0.014	46412	266	
Aroclor 1254	* 1	9.299	9.318	0.019	148974.6	485	11.6
	2	9.45	9.466	0.016	111451.2	432	
Aroclor 1260	1	11.043	11.0625	0.0195	37832.2	145	4.1
	* 2	11.654	11.66983	0.0158	44963.75	151	

* Column used for quantitation

HOLDING TIME SUMMARY

Analysis: EPA 8082A

Laboratory:	Analytical Resources, LLC	SDG:	22L0307
Client:	Anchor QEA, LLC	Project:	AOC4 UR Phase 3

Sample Name	Date Collected	Date Received	Date Prepared	Days to Prep	Max Days to Prep	Date Analyzed	Days to Analysis	Max Days to Analysis	Q
LDW22-IT793A 22L0307-01	12/12/22 08:26	12/12/22 16:42	12/27/22 14:11	15	365	01/06/23 19:18	10	40	
LDW22-IT793B 22L0307-02	12/12/22 08:26	12/12/22 16:42	12/27/22 14:11	15	365	12/31/22 20:00	4	40	
LDW22-IT793C 22L0307-03	12/12/22 08:26	12/12/22 16:42	12/27/22 14:11	15	365	12/31/22 20:21	4	40	
LDW22-IT793D 22L0307-04	12/12/22 08:26	12/12/22 16:42	12/27/22 14:11	15	365	12/31/22 20:42	4	40	
LDW22-IT793D-FD 22L0307-05	12/12/22 08:26	12/12/22 16:42	12/27/22 14:11	15	365	12/31/22 21:03	4	40	
LDW22-IT793E 22L0307-06	12/12/22 08:26	12/12/22 16:42	12/27/22 14:11	15	365	12/31/22 21:24	4	40	
LDW22-IT793F 22L0307-07	12/12/22 08:26	12/12/22 16:42	12/27/22 14:11	15	365	12/31/22 21:45	4	40	
LDW22-IT795B 22L0307-08	12/12/22 07:47	12/12/22 16:42	12/27/22 14:11	15	365	01/03/23 10:02	7	40	
LDW22-IT795C 22L0307-09	12/12/22 07:47	12/12/22 16:42	12/27/22 14:11	15	365	01/03/23 10:23	7	40	
LDW22-IT795C-FD 22L0307-10	12/12/22 07:47	12/12/22 16:42	12/27/22 14:11	15	365	01/03/23 10:44	7	40	
LDW22-IT795D 22L0307-11	12/12/22 07:47	12/12/22 16:42	12/27/22 14:11	15	365	12/31/22 23:52	4	40	
LDW22-IT795E 22L0307-12	12/12/22 07:47	12/12/22 16:42	12/27/22 14:11	15	365	01/01/23 00:13	4	40	
LDW22-IT795F 22L0307-13	12/12/22 07:47	12/12/22 16:42	12/27/22 14:11	15	365	01/01/23 00:34	4	40	
LDW22-IT795G 22L0307-14	12/12/22 07:47	12/12/22 16:42	12/27/22 14:11	15	365	01/01/23 00:55	4	40	
LDW22-IT806A 22L0307-15	12/12/22 08:35	12/12/22 16:42	12/27/22 14:11	15	365	01/01/23 01:16	4	40	
LDW22-IT806B 22L0307-16	12/12/22 08:35	12/12/22 16:42	12/27/22 14:11	15	365	01/01/23 01:37	4	40	
LDW22-IT806C 22L0307-17	12/12/22 08:35	12/12/22 16:42	12/27/22 14:11	15	365	01/01/23 01:58	4	40	
LDW22-IT806D 22L0307-18	12/12/22 08:35	12/12/22 16:42	12/27/22 14:11	15	365	01/01/23 02:19	5	40	
LDW22-IT806E 22L0307-19	12/12/22 08:35	12/12/22 16:42	12/27/22 14:11	15	365	01/01/23 02:40	5	40	
LDW22-IT806F 22L0307-20	12/12/22 08:35	12/12/22 16:42	12/27/22 14:11	15	365	01/01/23 03:01	5	40	
LDW22-SC750A 22L0307-21	12/12/22 09:26	12/12/22 16:42	12/28/22 14:11	16	365	01/07/23 19:27	10	40	
LDW22-SC750B 22L0307-22	12/12/22 09:26	12/12/22 16:42	12/28/22 14:11	16	365	01/07/23 19:48	10	40	

HOLDING TIME SUMMARY

Analysis: EPA 8082A

Laboratory: Analytical Resources, LLC
SDG: 22L0307
Client: Anchor QEA, LLC
Project: AOC4 UR Phase 3

Sample Name	Date Collected	Date Received	Date Prepared	Days to Prep	Max Days to Prep	Date Analyzed	Days to Analysis	Max Days to Analysis	Q
LDW22-SC750C 22L0307-23	12/12/22 09:26	12/12/22 16:42	12/28/22 14:11	16	365	01/07/23 20:09	10	40	
LDW22-SC750D 22L0307-24	12/12/22 09:26	12/12/22 16:42	12/28/22 14:11	16	365	01/07/23 20:30	10	40	
LDW22-SC750E 22L0307-25	12/12/22 09:26	12/12/22 16:42	12/28/22 14:11	16	365	01/07/23 20:51	10	40	
LDW22-SC750F 22L0307-26	12/12/22 09:26	12/12/22 16:42	12/28/22 14:11	16	365	01/07/23 21:12	10	40	
LDW22-SC750G 22L0307-27	12/12/22 09:26	12/12/22 16:42	12/28/22 14:11	16	365	01/07/23 21:33	10	40	
LDW22-SC750H 22L0307-28	12/12/22 09:26	12/12/22 16:42	12/28/22 14:11	16	365	01/07/23 21:54	10	40	
LDW22-IT808A 22L0307-29	12/12/22 09:46	12/12/22 16:42	12/28/22 14:11	16	365	01/07/23 22:15	10	40	
LDW22-IT808B 22L0307-30	12/12/22 09:46	12/12/22 16:42	12/28/22 14:11	16	365	01/12/23 05:59	15	40	
LDW22-IT808C 22L0307-31	12/12/22 09:46	12/12/22 16:42	12/28/22 14:11	16	365	01/07/23 23:40	10	40	
LDW22-IT808D 22L0307-32	12/12/22 09:46	12/12/22 16:42	12/28/22 14:11	16	365	01/08/23 00:01	10	40	
LDW22-IT808E 22L0307-33	12/12/22 09:46	12/12/22 16:42	12/28/22 14:11	16	365	01/08/23 00:22	10	40	
LDW22-IT808F 22L0307-34	12/12/22 09:46	12/12/22 16:42	12/28/22 14:11	16	365	01/08/23 01:25	10	40	
LDW22-SC804B 22L0307-35	12/12/22 11:18	12/12/22 16:42	12/28/22 14:11	16	365	01/08/23 01:46	10	40	
LDW22-SC804C 22L0307-36	12/12/22 11:18	12/12/22 16:42	12/28/22 14:11	16	365	01/08/23 02:07	10	40	
LDW22-SC804D 22L0307-37	12/12/22 11:18	12/12/22 16:42	12/28/22 14:11	16	365	01/12/23 06:20	15	40	
LDW22-SC804E 22L0307-38	12/12/22 11:18	12/12/22 16:42	12/28/22 14:11	16	365	01/08/23 02:50	11	40	
LDW22-SC804F 22L0307-39	12/12/22 11:18	12/12/22 16:42	12/28/22 14:11	16	365	01/08/23 03:11	11	40	
LDW22-SC804F-FD 22L0307-40	12/12/22 11:18	12/12/22 16:42	12/28/22 14:11	16	365	01/08/23 03:32	11	40	
LDW22-SC804G 22L0307-41	12/12/22 11:18	12/12/22 16:42	12/29/22 13:41	17	365	01/09/23 11:31	11	40	
LDW22-SC804H 22L0307-42	12/12/22 11:18	12/12/22 16:42	12/29/22 13:41	17	365	01/09/23 11:52	11	40	
LDW22-SC752A 22L0307-43	12/12/22 11:01	12/12/22 16:42	12/29/22 13:41	17	365	01/09/23 12:13	11	40	
LDW22-SC752B 22L0307-44	12/12/22 11:01	12/12/22 16:42	12/29/22 13:41	17	365	01/09/23 12:34	11	40	

HOLDING TIME SUMMARY

Analysis: EPA 8082A

Laboratory: Analytical Resources, LLC
SDG: 22L0307
Client: Anchor QEA, LLC
Project: AOC4 UR Phase 3

Sample Name	Date Collected	Date Received	Date Prepared	Days to Prep	Max Days to Prep	Date Analyzed	Days to Analysis	Max Days to Analysis	Q
LDW22-SC752C 22L0307-45	12/12/22 11:01	12/12/22 16:42	12/29/22 13:41	17	365	01/09/23 12:55	11	40	
LDW22-SC752D 22L0307-46	12/12/22 11:01	12/12/22 16:42	12/29/22 13:41	17	365	01/09/23 13:17	11	40	
LDW22-SC752E 22L0307-47	12/12/22 11:01	12/12/22 16:42	12/29/22 13:41	17	365	01/09/23 13:38	11	40	
LDW22-SC752F 22L0307-48	12/12/22 11:01	12/12/22 16:42	12/29/22 13:41	17	365	01/09/23 13:59	11	40	
LDW22-SC752G 22L0307-49	12/12/22 11:01	12/12/22 16:42	12/29/22 13:41	17	365	01/09/23 14:20	11	40	
LDW22-SC752H 22L0307-50	12/12/22 11:01	12/12/22 16:42	12/29/22 13:41	17	365	01/09/23 14:41	11	40	
LDW22-SC752B-FD 22L0307-51	12/12/22 11:01	12/12/22 16:42	12/29/22 13:41	17	365	01/09/23 16:27	11	40	
LDW22-SC800A 22L0307-52	12/12/22 12:14	12/12/22 16:42	12/29/22 13:41	17	365	01/09/23 16:48	11	40	
LDW22-SC800B 22L0307-53	12/12/22 12:14	12/12/22 16:42	12/29/22 13:41	17	365	01/09/23 17:09	11	40	
LDW22-SC800C 22L0307-54	12/12/22 12:14	12/12/22 16:42	12/29/22 13:41	17	365	01/09/23 17:30	11	40	
LDW22-SC800D 22L0307-55	12/12/22 12:14	12/12/22 16:42	12/29/22 13:41	17	365	01/09/23 17:51	11	40	
LDW22-SC800E 22L0307-56	12/12/22 12:14	12/12/22 16:42	12/29/22 13:41	17	365	01/09/23 18:12	11	40	
LDW22-SC800F 22L0307-57	12/12/22 12:14	12/12/22 16:42	12/29/22 13:41	17	365	01/11/23 00:13	12	40	
LDW22-SC800G 22L0307-58	12/12/22 12:14	12/12/22 16:42	12/29/22 13:41	17	365	01/09/23 18:54	11	40	
LDW22-SC800H 22L0307-59	12/12/22 12:14	12/12/22 16:42	12/29/22 13:41	17	365	01/09/23 19:15	11	40	
LDW22-SC783B 22L0307-60	12/12/22 12:59	12/12/22 16:42	12/29/22 13:41	17	365	01/11/23 00:34	12	40	
LDW22-SC783C 22L0307-61	12/12/22 12:59	12/12/22 16:42	12/29/22 12:24	16	365	01/08/23 08:06	10	40	
LDW22-SC783D 22L0307-62	12/12/22 12:59	12/12/22 16:42	12/29/22 12:24	16	365	01/12/23 06:41	14	40	
LDW22-SC783E 22L0307-63	12/12/22 12:59	12/12/22 16:42	12/29/22 12:24	16	365	01/08/23 08:48	10	40	
LDW22-SC783F 22L0307-64	12/12/22 12:59	12/12/22 16:42	12/29/22 12:24	16	365	01/12/23 07:02	14	40	
LDW22-SC783G 22L0307-65	12/12/22 12:59	12/12/22 16:42	12/29/22 12:24	16	365	01/08/23 09:30	10	40	
LDW22-SC783H 22L0307-66	12/12/22 12:59	12/12/22 16:42	12/29/22 12:24	16	365	01/08/23 09:52	10	40	

HOLDING TIME SUMMARY

Analysis: EPA 8082A

Laboratory: Analytical Resources, LLC

SDG: 22L0307

Client: Anchor QEA, LLC

Project: AOC4 UR Phase 3

Sample Name	Date Collected	Date Received	Date Prepared	Days to Prep	Max Days to Prep	Date Analyzed	Days to Analysis	Max Days to Analysis	Q
Matrix Spike BKL0581-MS1	12/12/22 07:47	12/12/22 16:42	12/27/22 14:11	15	365	12/31/22 18:57	4	40	
Matrix Spike Dup BKL0581-MSD1	12/12/22 07:47	12/12/22 16:42	12/27/22 14:11	15	365	12/31/22 19:18	4	40	
Matrix Spike BKL0582-MS1	12/12/22 09:46	12/12/22 16:42	12/28/22 14:11	16	365	01/08/23 00:43	10	40	
Matrix Spike Dup BKL0582-MSD1	12/12/22 09:46	12/12/22 16:42	12/28/22 14:11	16	365	01/08/23 01:04	10	40	
Matrix Spike BKL0583-MS1	12/12/22 11:01	12/12/22 16:42	12/29/22 13:41	17	365	01/09/23 15:44	11	40	
Matrix Spike Dup BKL0583-MSD1	12/12/22 11:01	12/12/22 16:42	12/29/22 13:41	17	365	01/09/23 16:05	11	40	
Matrix Spike BKL0584-MS1	12/12/22 12:59	12/12/22 16:42	12/29/22 12:24	16	365	01/08/23 10:13	10	40	
Matrix Spike Dup BKL0584-MSD1	12/12/22 12:59	12/12/22 16:42	12/29/22 12:24	16	365	01/08/23 10:34	10	40	

* Indicates hold time exceedance.

METHOD DETECTION AND REPORTING LIMITS

EPA 8082A

Laboratory: Analytical Resources, LLC

SDG: 22L0307

Client: Anchor QEA, LLC

Project: AOC4 UR Phase 3

Matrix: Solid

Instrument: ECD7

Analyte	MDL	RL	Units
Aroclor 1016	1.6	4.0	ug/kg
Aroclor 1016 [2C]	1.6	4.0	ug/kg
Aroclor 1221	1.6	4.0	ug/kg
Aroclor 1221 [2C]	1.6	4.0	ug/kg
Aroclor 1232	1.6	4.0	ug/kg
Aroclor 1232 [2C]	1.6	4.0	ug/kg
Aroclor 1242	1.6	4.0	ug/kg
Aroclor 1242 [2C]	1.6	4.0	ug/kg
Aroclor 1248	1.6	4.0	ug/kg
Aroclor 1248 [2C]	1.6	4.0	ug/kg
Aroclor 1254	1.6	4.0	ug/kg
Aroclor 1254 [2C]	1.6	4.0	ug/kg
Aroclor 1260	0.6	4.0	ug/kg
Aroclor 1260 [2C]	0.6	4.0	ug/kg

125 Market Street
New Haven, CT 06513
USA

AccuStandard® Inc.

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Fax (203)786-5287
www.AccuStandard.com

CERTIFICATE OF ANALYSIS

Catalog No: S-279N
Description: Tetrachloro-m-xylene
Lot: 0052481B-1
Solvent: N/A
Hazards: *Refer to SDS for complete safety information*

Signal Word: Warning

Date Certified: Jul 28, 2005
Expiration: Jul 28, 2015
Sample Size: 100 mg
Components: 1
Storage Condition: Ambient (>5 °C)

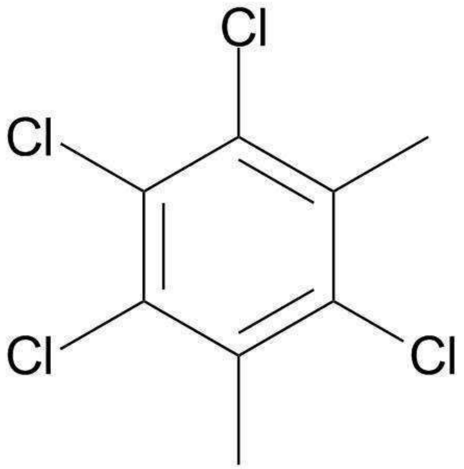
Certified Reference Material

AR-1463

Component	CAS #	Purity % (GC/FID)	Prepared Concentration	Certified Analyte Concentration[1]
Tetrachloro-meta-xylene	877-09-8	96.0	N/A	N/A

Identification:

Molecular formula: $C_8H_6Cl_4$
Molecular weight: 243.94



C000147
tetrachlormetaxylene
Expires 1/15/2020
Prepared By Joshua Rains 1/15/2014

This Certified Reference Material was verified in accordance with ISO/IEC 17025

A product with a suffix (-1A, -2B, etc. or -01, -02, etc.) on its lot number has had its expiration date extended and is identical to the same lot number without the suffix.

[1] The Uncertainty calculated for this product is ±2.4%. These values are the expanded uncertainty and represent an estimated standard deviation equal to the positive square root of the total variation of the uncertainty of components. A normal distribution is assumed and a coverage factor of K=2 is chosen using approximately a 95% confidence level.

Labels and certificates follow U.S. Conventions in reporting numerical values: A comma (,) is used to separate units of one-thousand or greater. A period (.) is used as a decimal place marker.

Metrological traceability is established through in-house validated methods.

Purity, if stated, is equal to 100% minus found impurity components. Impurity components have not been identified.

The information on this certificate may not be reproduced without the express permission of the manufacturer. See reverse side for additional information

Hazard Information: Please refer to the SDS for information regarding the hazards associated with using this material.

This product was prepared according to in-house procedures and is guaranteed to be homogeneous.

Certified By:
Larry Decker, Organic QC Manager

For use in routine laboratory analysis.

AccuStandard is accredited to ISO 17034, ISO/IEC 17025 and certified to ISO 9001:2015

QR-ORG/INO-001
Rev. 5/18

AccuStandard
125 Market Street
New Haven, CT 06513
(203) 786-5290

CERTIFICATE OF PRODUCT DATA

PRODUCT: C-209N

DESCRIPTION: 2,2',3,3',4,4',5,5',6,6'-Decachlorobiphenyl

LOT #: 990521LB-AC

SOLVENT: N/A

EXPIRATION: Jul 28, 2015

This product is guaranteed accurate to ±0.5% of the Certified Analyte concentration through the Expiration Date on the Label.

Component	CAS #	Purity % (GC/MS)	Prepared Concentration[1]	Certified Analyte Concentration[2]
2,2',3,3',4,4',5,5',6,6'-Decachlorobiphenyl	2051-24-3	100	N/A	N/A

2,

C000148
decachlorbiphenyl
Expires 1/15/2020
Prepared By Joshua Rains 1/15/2014

* I1768A

Certified by: R. Cooper

Please note: AccuStandard follows the U.S. conventions in reporting numerical values, on both certificates and labels.

A comma (,) is used to separate units of one-thousand or greater.
A period (.) is used as a decimal place marker.

---

1. All weights are traceable through National Institute of Standards & Technology, Test No. 822/254480
2. Certified Analyte Concentration = Purity x Prepared Concentration. The Uncertainty calculated for this product is ±4% which is the Combined Uncertainty uc(y). It represents an estimated standard deviation equal to the positive square root of the total variance of the uncertainty of components. The Expanded Uncertainty is U which is Uc(y) *K where K is the coverage factor at the 95% confidence level (K=2).
3. A product with a suffix (-1A, -2B, etc.) on its lot# has had its expiration date extended and is identical to the same lot# without the suffix.

This product was manufactured in accordance to quality system requirements of ISO 9001:2000 and ISO 17025

* Recertified 2 4-6-09 JS

Analytical Resources, Incorporated
Analytical Chemists and Consultants

Analytical Standard Record
Standard ID: C000148

Printed: 4/23/2015 11:54:44AM

Description:	decachlorbiphenyl	Expires:	15-Jan-2020
Standard Type:	Other	Prepared:	15-Jan-2014
Solvent:	na/a	Prepared By:	Joshua Rains
Final Volume (mls):	1	Department:	Organics
Vials:	1	Last Edit:	27-Feb-2015 13:03 by JGR
Vendor:	Accustandard	Lot #:	990521lb-ac
Vendor Catalog #:			

Comments

see i1768a
SOM calibrations added 06/12/14 sdrd

Analyte	CAS Number	Concentration	Units
Decachlorobiphenyl [2C]	2051-24-3	1000000	ug/mL
Decachlorobiphenyl	2051-24-3	1000000	ug/mL
DCB 1660 [2C]	2051-24-3	1000000	ug/mL
DCB 1660	2051-24-3	1000000	ug/mL
DCB [2C]	2051-24-3	1000000	ug/mL
DCB (A) [2C]	2051-24-3	1000000	ug/mL
DCB (A)	2051-24-3	1000000	ug/mL
DCB	2051-24-3	1000000	ug/mL

Reviewed By Date

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Certified Reference Material

This product is certified in accordance with Phenova's ISO 17034 accreditation and supported by Phenova's ISO/IEC 17025 chemical testing accreditation

Catalog No.:	AL0-101468	**Lot Number:**	CL14017
Description:	Aroclor 1221	**Certification Date:**	August 20, 2019
Storage:	4 °C	**Expiration Date:**	August 31, 2027
Provided As:	1 mL in 2 mL Ampoule in Isooctane		

Andrea L Gill
Andrea Gill, Certified Reference Materials Manager

Component	CAS #	Certified Value µg/mL	Expanded Uncertainty
Aroclor 1221	11104-28-2	1000	± 0.553%

I 10155

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Certicate No. 2427.02

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ACCREDITED
Chemical Testing Laboratory
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1. Quality Document: This Certificate of Analysis has been created in accordance with ISO Guide 31[1] and ISO Guide 35.[2]

2. Quality Standards: Phenova is accredited by A2LA to ISO 17034[3] and ISO/IEC 17025[4] as a producer of Certified Reference Materials and Reference Materials. This ensures that our manufacturing processes have been accredited to and meet strict international standards.

3. Intended Use: The product is manufactured for use in calibration, calibration verification, quantification, identification and other appropriate analytical control applications. The product is intended for routine laboratory analysis and research purposes only. Only trained personnel should handle this product.

4. Handling and Usage Notes: Store according to recommended conditions listed and avoid prolonged exposure to light. Visually inspect the solution inside the ampoule for any un-dissolved material. If particulate is visible, sonicate the unopened ampoule until material is fully dissolved. Dilute as required, use only class A glassware and diluents compatible with all analytes in the mixture. Considerations should be made related to repeated use of the opened product. Once opened, exposure to light, air, heat, objects, and additional transfer vessels may cause evaporation, degradation or contamination resulting in changes in concentration, uncertainty and stability duration. Store opened standards in a clean, tightly capped vessel under the recommended temperature. Appropriate controls, such as the use of additional verification standards should be used to confirm the opened product is fit for purpose under repeated use conditions.

5. Hazardous Situation: The product is intended for use by experienced professional personnel. A Safety Data Sheet (SDS) is available at www.phenova.com/documents.

6. Level of Homogeneity: The product has been certified to guarantee the certified values and their uncertainties at a volume of 2 µL.

7. Certified Value: Certified Value is based upon gravimetric and volumetric preparation using calibrated balances and Class A glassware.

8. Raw Materials and Purity: Phenova reference standard products are prepared from the highest quality starting materials. The purity of this material was verified using an ISO/IEC 17025 methodology.

9. Expanded Uncertainty: The expanded uncertainty (uCRM) as stated is determined in accordance with ISO/IEC Guide 98[5] and ISO Guide 35 incorporating Type A standard uncertainty at a 95% confidence level. The uncertainty contains elements of manufacturing (uM), homogeneity analysis (uH) and long-term stability testing (uLTS). The uncertainty is calculated based on the root-sum-of-squares equation times a coverage factor (k=2).

$$uCRM = k\sqrt{uM^2 + uH^2 + uLTS^2}$$

   Transport conditions (short-term stability) have been tested such that there is no contribution to the uncertainty reported. The expanded uncertainty applies to the product as received.

10. Metrological Traceability: The property value (certified value and its uncertainty) are traceable through an unbroken chain of calibration to the SI base unit kg through a NIST traceable weight in accordance with ISO 17034. This is achieved through calibration of balances, verification of weights, use of national methodology for glassware calibration and product homogeneity and stability testing utilizing an ISO/IEC 17025 methodology.

11. Values Obtained During Product Testing: This product is subjected to verification, homogeneity and stability testing using an ISO/IEC 17025 chromatographic methodology. All values obtained during testing meet criteria in accordance with ISO 17034.

12. Period of Validity: The Certified Values, Uncertainties and Expiration Date are based on the unopened product being stored according to the recommended storage condition listed and are guaranteed until the expiration date. This product will be monitored during the period of validity and customers notified of any significant changes in stability.

References:

[1] ISO Guide 31 – Reference Materials – Contents of Certificates and Labels.
[2] ISO Guide 35 – Reference Material – General and Statistical Principles for Certification.
[3] ISO 17034 – General Requirements for the Competence of Reference Material Producers.
[4] ISO/IEC 17025 – General Requirements for the Competence of Testing and Calibration Laboratories.
[5] ISO/IEC Guide 98-3:2008(E) – Uncertainty of Measurement – Part 3: Guide to Expression of Uncertainty in Measurement (GUM: 1995)

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Certified Reference Material

This product is certified in accordance with Phenova's ISO 17034 accreditation and supported by Phenova's ISO/IEC 17025 chemical testing accreditation

Catalog No.:	AL0-101469	**Lot Number:**	CL14914
Description:	Aroclor 1232	**Certification Date:**	January 31, 2020
Storage:	4 °C	**Expiration Date:**	January 31, 2028
Provided As:	1 mL in 2 mL Ampoule in Isooctane		

Andrea L Gill
Andrea Gill, Certified Reference Materials Manager

Component	CAS #	Certified Value µg/mL	Expanded Uncertainty
Aroclor 1232	11141-16-5	1000	± 0.738%

I 010156

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1. Quality Document: This Certificate of Analysis has been created in accordance with ISO Guide 31[1] and ISO Guide 35.[2]

2. Quality Standards: Phenova is accredited by A2LA to ISO 17034[3] and ISO/IEC 17025[4] as a producer of Certified Reference Materials and Reference Materials. This ensures that our manufacturing processes have been accredited to and meet strict international standards.

3. Intended Use: The product is manufactured for use in calibration, calibration verification, quantification, identification and other appropriate analytical control applications. The product is intended for routine laboratory analysis and research purposes only. Only trained personnel should handle this product.

4. Handling and Usage Notes: Store according to recommended conditions listed and avoid prolonged exposure to light. Visually inspect the solution inside the ampoule for any un-dissolved material. If particulate is visible, sonicate the unopened ampoule until material is fully dissolved. Dilute as required, use only class A glassware and diluents compatible with all analytes in the mixture. Considerations should be made related to repeated use of the opened product. Once opened, exposure to light, air, heat, objects, and additional transfer vessels may cause evaporation, degradation or contamination resulting in changes in concentration, uncertainty and stability duration. Store opened standards in a clean, tightly capped vessel under the recommended temperature. Appropriate controls, such as the use of additional verification standards should be used to confirm the opened product is fit for purpose under repeated use conditions.

5. Hazardous Situation: The product is intended for use by experienced professional personnel. A Safety Data Sheet (SDS) is available at www.phenova.com/documents.

6. Level of Homogeneity: The product has been certified to guarantee the certified values and their uncertainties at a volume of 2 µL.

7. Certified Value: Certified Value is based upon gravimetric and volumetric preparation using calibrated balances and Class A glassware.

8. Raw Materials and Purity: Phenova reference standard products are prepared from the highest quality starting materials. The purity of this material was verified using an ISO/IEC 17025 methodology.

9. Expanded Uncertainty: The expanded uncertainty (uCRM) as stated is determined in accordance with ISO/IEC Guide 98[5] and ISO Guide 35 incorporating Type A standard uncertainty at a 95% confidence level. The uncertainty contains elements of manufacturing (uM), homogeneity analysis (uH) and long-term stability testing (uLTS). The uncertainty is calculated based on the root-sum-of-squares equation times a coverage factor (k=2).

$$uCRM = k\sqrt{uM^2 + uH^2 + uLTS^2}$$

   Transport conditions (short-term stability) have been tested such that there is no contribution to the uncertainty reported. The expanded uncertainty applies to the product as received.

10. Metrological Traceability: The property value (certified value and its uncertainty) are traceable through an unbroken chain of calibration to the SI base unit kg through a NIST traceable weight in accordance with ISO 17034. This is achieved through calibration of balances, verification of weights, use of national methodology for glassware calibration and product homogeneity and stability testing utilizing an ISO/IEC 17025 methodology.

11. Values Obtained During Product Testing: This product is subjected to verification, homogeneity and stability testing using an ISO/IEC 17025 chromatographic methodology. All values obtained during testing meet criteria in accordance with ISO 17034.

12. Period of Validity: The Certified Values, Uncertainties and Expiration Date are based on the unopened product being stored according to the recommended storage condition listed and are guaranteed until the expiration date. This product will be monitored during the period of validity and customers notified of any significant changes in stability.

References:

[1] ISO Guide 31 – Reference Materials – Contents of Certificates and Labels.
[2] ISO Guide 35 – Reference Material – General and Statistical Principles for Certification.
[3] ISO 17034 – General Requirements for the Competence of Reference Material Producers.
[4] ISO/IEC 17025 – General Requirements for the Competence of Testing and Calibration Laboratories.
[5] ISO/IEC Guide 98-3:2008(E) – Uncertainty of Measurement – Part 3: Guide to Expression of Uncertainty in Measurement (GUM: 1995)

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Certificate of Analysis

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Certified Reference Material

This product is certified in accordance with Phenova's ISO 17034 accreditation and supported by Phenova's ISO/IEC 17025 chemical testing accreditation

Catalog No.:	AL0-101470	**Lot Number:**	CL14018
Description:	Aroclor 1242	**Certification Date:**	August 20, 2019
Storage:	4 °C	**Expiration Date:**	August 31, 2027
Provided As:	1 mL in 2 mL Ampoule in Isooctane		

Andrea L Gill
Andrea Gill, Certified Reference Materials Manager

Component	CAS #	Certified Value µg/mL	Expanded Uncertainty
Aroclor 1242	53469-21-9	1000	± 0.553%

I 010157

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Reference Material Producer
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1. Quality Document: This Certificate of Analysis has been created in accordance with ISO Guide 31[1] and ISO Guide 35.[2]

2. Quality Standards: Phenova is accredited by A2LA to ISO 17034[3] and ISO/IEC 17025[4] as a producer of Certified Reference Materials and Reference Materials. This ensures that our manufacturing processes have been accredited to and meet strict international standards.

3. Intended Use: The product is manufactured for use in calibration, calibration verification, quantification, identification and other appropriate analytical control applications. The product is intended for routine laboratory analysis and research purposes only. Only trained personnel should handle this product.

4. Handling and Usage Notes: Store according to recommended conditions listed and avoid prolonged exposure to light. Visually inspect the solution inside the ampoule for any un-dissolved material. If particulate is visible, sonicate the unopened ampoule until material is fully dissolved. Dilute as required, use only class A glassware and diluents compatible with all analytes in the mixture. Considerations should be made related to repeated use of the opened product. Once opened, exposure to light, air, heat, objects, and additional transfer vessels may cause evaporation, degradation or contamination resulting in changes in concentration, uncertainty and stability duration. Store opened standards in a clean, tightly capped vessel under the recommended temperature. Appropriate controls, such as the use of additional verification standards should be used to confirm the opened product is fit for purpose under repeated use conditions.

5. Hazardous Situation: The product is intended for use by experienced professional personnel. A Safety Data Sheet (SDS) is available at www.phenova.com/documents.

6. Level of Homogeneity: The product has been certified to guarantee the certified values and their uncertainties at a volume of 2 µL.

7. Certified Value: Certified Value is based upon gravimetric and volumetric preparation using calibrated balances and Class A glassware.

8. Raw Materials and Purity: Phenova reference standard products are prepared from the highest quality starting materials. The purity of this material was verified using an ISO/IEC 17025 methodology.

9. Expanded Uncertainty: The expanded uncertainty (uCRM) as stated is determined in accordance with ISO/IEC Guide 98[5] and ISO Guide 35 incorporating Type A standard uncertainty at a 95% confidence level. The uncertainty contains elements of manufacturing (uM), homogeneity analysis (uH) and long-term stability testing (uLTS). The uncertainty is calculated based on the root-sum-of-squares equation times a coverage factor (k=2).

$$uCRM = k\sqrt{uM^2 + uH^2 + uLTS^2}$$

   Transport conditions (short-term stability) have been tested such that there is no contribution to the uncertainty reported. The expanded uncertainty applies to the product as received.

10. Metrological Traceability: The property value (certified value and its uncertainty) are traceable through an unbroken chain of calibration to the SI base unit kg through a NIST traceable weight in accordance with ISO 17034. This is achieved through calibration of balances, verification of weights, use of national methodology for glassware calibration and product homogeneity and stability testing utilizing an ISO/IEC 17025 methodology.

11. Values Obtained During Product Testing: This product is subjected to verification, homogeneity and stability testing using an ISO/IEC 17025 chromatographic methodology. All values obtained during testing meet criteria in accordance with ISO 17034.

12. Period of Validity: The Certified Values, Uncertainties and Expiration Date are based on the unopened product being stored according to the recommended storage condition listed and are guaranteed until the expiration date. This product will be monitored during the period of validity and customers notified of any significant changes in stability.

References:

[1] ISO Guide 31 – Reference Materials – Contents of Certificates and Labels.
[2] ISO Guide 35 – Reference Material – General and Statistical Principles for Certification.
[3] ISO 17034 – General Requirements for the Competence of Reference Material Producers.
[4] ISO/IEC 17025 – General Requirements for the Competence of Testing and Calibration Laboratories.
[5] ISO/IEC Guide 98-3:2008(E) – Uncertainty of Measurement – Part 3: Guide to Expression of Uncertainty in Measurement (GUM: 1995)

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Certified Reference Material

This product is certified in accordance with Phenova's ISO 17034 accreditation and supported by Phenova's ISO/IEC 17025 chemical testing accreditation

Catalog No.: AL0-101471
Description: Aroclor 1248
Storage: 4 °C
Provided As: 1 mL in 2 mL Ampoule in Isooctane

Lot Number: CL15384
Certification Date: June 19, 2020
Expiration Date: June 30, 2028

Andrea L Gill
Andrea Gill, Certified Reference Materials Manager

Component	CAS #	Certified Value µg/mL	Expanded Uncertainty
Aroclor 1248	12672-29-6	1000	± 0.520%

I 010158

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1. Quality Document: This Certificate of Analysis has been created in accordance with ISO Guide 31[1] and ISO Guide 35.[2]

2. Quality Standards: Phenova is accredited by A2LA to ISO 17034[3] and ISO/IEC 17025[4] as a producer of Certified Reference Materials and Reference Materials. This ensures that our manufacturing processes have been accredited to and meet strict international standards.

3. Intended Use: The product is manufactured for use in calibration, calibration verification, quantification, identification and other appropriate analytical control applications. The product is intended for routine laboratory analysis and research purposes only. Only trained personnel should handle this product.

4. Handling and Usage Notes: Store according to recommended conditions listed and avoid prolonged exposure to light. Visually inspect the solution inside the ampoule for any un-dissolved material. If particulate is visible, sonicate the unopened ampoule until material is fully dissolved. Dilute as required, use only class A glassware and diluents compatible with all analytes in the mixture. Considerations should be made related to repeated use of the opened product. Once opened, exposure to light, air, heat, objects, and additional transfer vessels may cause evaporation, degradation or contamination resulting in changes in concentration, uncertainty and stability duration. Store opened standards in a clean, tightly capped vessel under the recommended temperature. Appropriate controls, such as the use of additional verification standards should be used to confirm the opened product is fit for purpose under repeated use conditions.

5. Hazardous Situation: The product is intended for use by experienced professional personnel. A Safety Data Sheet (SDS) is available at www.phenova.com/documents.

6. Level of Homogeneity: The product has been certified to guarantee the certified values and their uncertainties at a volume of 2 µL.

7. Certified Value: Certified Value is based upon gravimetric and volumetric preparation using calibrated balances and Class A glassware.

8. Raw Materials and Purity: Phenova reference standard products are prepared from the highest quality starting materials. The purity of this material was verified using an ISO/IEC 17025 methodology.

9. Expanded Uncertainty: The expanded uncertainty (uCRM) as stated is determined in accordance with ISO/IEC Guide 98[5] and ISO Guide 35 incorporating Type A standard uncertainty at a 95% confidence level. The uncertainty contains elements of manufacturing (uM), homogeneity analysis (uH) and long-term stability testing (uLTS). The uncertainty is calculated based on the root-sum-of-squares equation times a coverage factor (k=2).

   $$\mathrm{uCRM} = k\sqrt{\mathrm{uM}^2 + \mathrm{uH}^2 + \mathrm{uLTS}^2}$$

   Transport conditions (short-term stability) have been tested such that there is no contribution to the uncertainty reported. The expanded uncertainty applies to the product as received.

10. Metrological Traceability: The property value (certified value and its uncertainty) are traceable through an unbroken chain of calibration to the SI base unit kg through a NIST traceable weight in accordance with ISO 17034. This is achieved through calibration of balances, verification of weights, use of national methodology for glassware calibration and product homogeneity and stability testing utilizing an ISO/IEC 17025 methodology.

11. Values Obtained During Product Testing: This product is subjected to verification, homogeneity and stability testing using an ISO/IEC 17025 chromatographic methodology. All values obtained during testing meet criteria in accordance with ISO 17034.

12. Period of Validity: The Certified Values, Uncertainties and Expiration Date are based on the unopened product being stored according to the recommended storage condition listed and are guaranteed until the expiration date. This product will be monitored during the period of validity and customers notified of any significant changes in stability.

References:

[1] ISO Guide 31 – Reference Materials – Contents of Certificates and Labels.
[2] ISO Guide 35 – Reference Material – General and Statistical Principles for Certification.
[3] ISO 17034 – General Requirements for the Competence of Reference Material Producers.
[4] ISO/IEC 17025 – General Requirements for the Competence of Testing and Calibration Laboratories.
[5] ISO/IEC Guide 98-3:2008(E) – Uncertainty of Measurement – Part 3: Guide to Expression of Uncertainty in Measurement (GUM: 1995)

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Certified Reference Material

This product is included in Phenova's ISO/IEC 17025 and ISO Guide 34 Scopes of Accreditation

Catalog No.:	AL0-101472	**Lot Number:**	CL13055
Description:	Aroclor 1254	**Certification Date:**	November 29, 2018
Storage:	4 °C	**Expiration Date:**	November 30, 2026
Provided As:	1 mL in 2 mL Ampoule in Isooctane		

Andrea L Gill

Andrea Gill, Certified Reference Materials Manager

Component	CAS #	Certified Value µg/mL	Expanded Uncertainty
Aroclor 1254	11097-69-1	1000	± 0.247%

I010159

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1. Quality Document: This Certificate of Analysis has been created in accordance with ISO Guide 31[1] and ISO Guide 35.[2]

2. Quality Standards: Phenova is accredited by A2LA to ISO Guide 34[3] and ISO/IEC 17025[4] as a producer of Certified Reference Materials and Reference Materials. This ensures that our manufacturing processes have been accredited to and meet strict international standards.

3. Intended Use: The product is manufactured for use in the calibration and calibration verification of chromatographic instrumentation performed in routine laboratory analysis.

4. Instruction: Visually inspect the solution inside the ampoule for any un-dissolved material. If particulate is visible, sonicate the unopened ampoule until material is fully dissolved. Dilute as required, use only class A glassware and diluents compatible with all certified analytes in the mixture.

5. Hazardous Situation: The product is intended for use by experienced professional personnel. A Material Safety Data Sheet (MSDS) is available at www.phenomenex.com/mysupport.

6. Level of Homogeneity: The product has been certified to guarantee the certified values and their uncertainties at a volume of 2 µL.

7. Certified Value: Certified Value is based upon gravimetric and volumetric preparation using calibrated balances and Class A glassware.

8. Raw Materials and Purity: Phenova reference standard products are prepared from the highest quality starting materials. The purity of this material was verified using an ISO/IEC 17025 methodology.

9. Expanded Uncertainty: The expanded uncertainty (uCRM) as stated is determined in accordance with ISO/IEC Guide 98[5] and ISO Guide 35 incorporating Type A standard uncertainty at a 95% confidence level. The uncertainty contains elements of manufacturing (uM), homogeneity analysis (uH) and long-term stability testing (uLTS). The uncertainty is calculated based on the root-sum-of-squares equation times a coverage factor (k=2).

   $$uCRM = k\sqrt{uM^2 + uH^2 + uLTS^2}$$

   Transport conditions (short-term stability) have been tested such that there is no contribution to the uncertainty reported. The expanded uncertainty applies to the product as received.

10. Metrological Traceability: The property value (certified value and its uncertainty) are traceable through an unbroken chain of calibration to the SI base unit·kg through a NIST traceable weight in accordance with ISO Guide 34. This is achieved through calibration of balances, verification of weights, use of national methodology for glassware calibration and product homogeneity and stability testing utilizing an ISO/IEC 17025 methodology.

11. Values Obtained During Product Testing: This product is subjected to verification, homogeneity and stability testing using an ISO/IEC 17025 chromatographic methodology. All values obtained during testing meet criteria in accordance with ISO Guide 34.

12. Period of Validity: The Certified Values and their uncertainties are guaranteed until the expiration date. This product will be monitored during the period of validity and customers notified of any significant changes in stability.

References:

[1] ISO Guide 31:2000(E) – Reference Materials – Contents of Certificates and Labels.
[2] ISO Guide 35:2006(E) – Reference Material – General and Statistical Principles for Certification.
[3] ISO Guide 34:2009(E) – General Requirements for the Competence of Reference Material Producers.
[4] ISO/IEC 17025:2005(E) – General Requirements for the Competence of Testing and Calibration Laboratories.
[5] ISO/IEC Guide 98-3:2008(E) – Uncertainty of Measurement – Part 3: Guide to Expression of Uncertainty in Measurement (GUM: 1995)

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Certified Reference Material

This product is included in Phenova's ISO/IEC 17025 and ISO Guide 34 Scopes of Accreditation

Catalog No.:	AL0-101474	**Lot Number:**	CL11330
Description:	Aroclor 1262	**Certification Date:**	May 15, 2015
Storage:	4 °C	**Expiration Date:**	April 30, 2023
Provided As:	1 mL in 2 mL Ampoule in Isooctane	**Revision Date:**	April 2, 2018

Andrea L Gill

Andrea Gill, Certified Reference Materials Manager

Component	CAS #	Certified Value µg/mL	Expanded Uncertainty
Aroclor 1262	37324-23-5	1000	± 0.516%

I 10160

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1. Quality Document: This Certificate of Analysis has been created in accordance with ISO Guide 31[1] and ISO Guide 35.[2]

2. Quality Standards: Phenova is accredited by A2LA to ISO Guide 34[3] and ISO/IEC 17025[4] as a producer of Certified Reference Materials and Reference Materials. This ensures that our manufacturing processes have been accredited to and meet strict international standards.

3. Intended Use: The product is manufactured for use in the calibration and calibration verification of chromatographic instrumentation performed in routine laboratory analysis.

4. Instruction: Visually inspect the solution inside the ampoule for any un-dissolved material. If particulate is visible, sonicate the unopened ampoule until material is fully dissolved. Dilute as required, use only class A glassware and diluents compatible with all certified analytes in the mixture.

5. Hazardous Situation: The product is intended for use by experienced professional personnel. A Material Safety Data Sheet (MSDS) is available at www.phenomenex.com/mysupport.

6. Level of Homogeneity: The product has been certified to guarantee the certified values and their uncertainties at a volume of 2 µL.

7. Certified Value: Certified Value is based upon gravimetric and volumetric preparation using calibrated balances and Class A glassware.

8. Raw Materials and Purity: Phenova reference standard products are prepared from the highest quality starting materials. The purity of this material was verified using an ISO/IEC 17025 methodology.

9. Expanded Uncertainty: The expanded uncertainty (uCRM) as stated is determined in accordance with ISO/IEC Guide 98[5] and ISO Guide 35 incorporating Type A standard uncertainty at a 95% confidence level. The uncertainty contains elements of manufacturing (uM), homogeneity analysis (uH) and long-term stability testing (uLTS). The uncertainty is calculated based on the root-sum-of-squares equation times a coverage factor (k=2).

   $$uCRM = k\sqrt{uM^2 + uH^2 + uLTS^2}$$

   Transport conditions (short-term stability) have been tested such that there is no contribution to the uncertainty reported. The expanded uncertainty applies to the product as received.

10. Metrological Traceability: The property value (certified value and its uncertainty) are traceable through an unbroken chain of calibration to the SI base unit kg through a NIST traceable weight in accordance with ISO Guide 34. This is achieved through calibration of balances, verification of weights, use of national methodology for glassware calibration and product homogeneity and stability testing utilizing an ISO/IEC 17025 methodology.

11. Values Obtained During Product Testing: This product is subjected to verification, homogeneity and stability testing using an ISO/IEC 17025 chromatographic methodology. All values obtained during testing meet criteria in accordance with ISO Guide 34.

12. Period of Validity: The Certified Values and their uncertainties are guaranteed until the expiration date. This product will be monitored during the period of validity and customers notified of any significant changes in stability.

References:

[1] ISO Guide 31:2000(E) – Reference Materials – Contents of Certificates and Labels.
[2] ISO Guide 35:2006(E) – Reference Material – General and Statistical Principles for Certification.
[3] ISO Guide 34:2009(E) – General Requirements for the Competence of Reference Material Producers.
[4] ISO/IEC 17025:2005(E) – General Requirements for the Competence of Testing and Calibration Laboratories.
[5] ISO/IEC Guide 98-3:2008(E) – Uncertainty of Measurement – Part 3: Guide to Expression of Uncertainty in Measurement (GUM: 1995)

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Certified Reference Material

This product is included in Phenova's ISO/IEC 17025 and ISO Guide 34 Scopes of Accreditation

Catalog No.:	AL0-101475	**Lot Number:**	CL11331
Description:	Aroclor 1268	**Certification Date:**	May 15, 2015
Storage:	4 °C	**Expiration Date:**	April 30, 2023
Provided As:	1 mL in 2 mL Ampoule in Isooctane	**Revision Date:**	April 2, 2018

Andrea L Gill

Andrea Gill, Certified Reference Materials Manager

Component	CAS #	Certified Value µg/mL	Expanded Uncertainty
Aroclor 1268	11100-14-4	1000	± 0.516%

I 012161

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1. Quality Document: This Certificate of Analysis has been created in accordance with ISO Guide 31[1] and ISO Guide 35.[2]

2. Quality Standards: Phenova is accredited by A2LA to ISO Guide 34[3] and ISO/IEC 17025[4] as a producer of Certified Reference Materials and Reference Materials. This ensures that our manufacturing processes have been accredited to and meet strict international standards.

3. Intended Use: The product is manufactured for use in the calibration and calibration verification of chromatographic instrumentation performed in routine laboratory analysis.

4. Instruction: Visually inspect the solution inside the ampoule for any un-dissolved material. If particulate is visible, sonicate the unopened ampoule until material is fully dissolved. Dilute as required, use only class A glassware and diluents compatible with all certified analytes in the mixture.

5. Hazardous Situation: The product is intended for use by experienced professional personnel. A Material Safety Data Sheet (MSDS) is available at www.phenomenex.com/mysupport.

6. Level of Homogeneity: The product has been certified to guarantee the certified values and their uncertainties at a volume of 2 µL.

7. Certified Value: Certified Value is based upon gravimetric and volumetric preparation using calibrated balances and Class A glassware.

8. Raw Materials and Purity: Phenova reference standard products are prepared from the highest quality starting materials. The purity of this material was verified using an ISO/IEC 17025 methodology.

9. Expanded Uncertainty: The expanded uncertainty (uCRM) as stated is determined in accordance with ISO/IEC Guide 98[5] and ISO Guide 35 incorporating Type A standard uncertainty at a95% confidence level. The uncertainty contains elements of manufacturing (uM), homogeneity analysis (uH) and long-term stability testing (uLTS). The uncertainty is calculated based on the root-sum-of-squares equation times a coverage factor (k=2).

   $$uCRM = k\sqrt{uM^2 + uH^2 + uLTS^2}$$

   Transport conditions (short-term stability) have been tested such that there is no contribution to the uncertainty reported. The expanded uncertainty applies to the product as received.

10. Metrological Traceability: The property value (certified value and its uncertainty) are traceable through an unbroken chain of calibration to the SI base unit kg through a NIST traceable weight in accordance with ISO Guide 34. This is achieved through calibration of balances, verification of weights, use of national methodology for glassware calibration and product homogeneity and stability testing utilizing an ISO/IEC 17025 methodology.

11. Values Obtained During Product Testing: This product is subjected to verification, homogeneity and stability testing using an ISO/IEC 17025 chromatographic methodology. All values obtained during testing meet criteria in accordance with ISO Guide 34.

12. Period of Validity: The Certified Values and their uncertainties are guaranteed until the expiration date. This product will be monitored during the period of validity and customers notified of any significant changes in stability.

References:

[1] ISO Guide 31:2000(E) – Reference Materials – Contents of Certificates and Labels.
[2] ISO Guide 35:2006(E) – Reference Material – General and Statistical Principles for Certification.
[3] ISO Guide 34:2009(E) – General Requirements for the Competence of Reference Material Producers.
[4] ISO/IEC 17025:2005(E) – General Requirements for the Competence of Testing and Calibration Laboratories.
[5] ISO/IEC Guide 98-3:2008(E) – Uncertainty of Measurement – Part 3: Guide to Expression of Uncertainty in Measurement (GUM: 1995)

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Certified Reference Material

This product is certified in accordance with Phenova's ISO 17034 accreditation and supported by Phenova's ISO/IEC 17025 chemical testing accreditation

Catalog No.:	AL0-101462	**Lot Number:**	CL16516
Description:	Aroclor 1260	**Certification Date:**	March 4, 2021
Storage:	4 °C	**Expiration Date:**	February 28, 2029
Provided As:	1 mL in 2 mL Ampoule in Hexane		

Andrea L Gill
Andrea Gill, Certified Reference Materials Manager

Component	CAS #	Certified Value µg/mL	Expanded Uncertainty
Aroclor 1260	11096-82-5	1000	± 0.553%

J00645

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Certicate No. 2427.02

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Certified Reference Material

This product is certified in accordance with Phenova's ISO 17034 accreditation and supported by Phenova's ISO/IEC 17025 chemical testing accreditation

Catalog No.:	AL0-101467	**Lot Number:**	CL16555
Description:	Aroclor 1016	**Certification Date:**	June 22, 2021
Storage:	4 °C	**Expiration Date:**	February 28, 2029
Provided As:	1 mL in 2 mL Ampoule in Isooctane		

J012591
AROCLOR 1016
Expires 2/28/2029
Prepared By Joshua Rains 11/26/2021

Andrea L Gill

Andrea Gill, Certified Reference Materials Manager

Component	CAS #	Certified Value µg/mL	Expanded Uncertainty
Aroclor 1016	12674-11-2	1000	± 0.310%

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1. Quality Document: This Certificate of Analysis has been created in accordance with ISO Guide 31[1] and ISO Guide 35.[2]

2. Quality Standards: Phenova is accredited by A2LA to ISO 17034[3] and ISO/IEC 17025[4] as a producer of Certified Reference Materials and Reference Materials. This ensures that our manufacturing processes have been accredited to and meet strict international standards.

3. Intended Use: The product is manufactured for use in calibration, calibration verification, quantification, identification and other appropriate analytical control applications. The product is intended for routine laboratory analysis and research purposes only. Only trained personnel should handle this product.

4. Handling and Usage Notes: Store according to recommended conditions listed and avoid prolonged exposure to light. Visually inspect the solution inside the ampoule for any un-dissolved material. If particulate is visible, sonicate the unopened ampoule until material is fully dissolved. Dilute as required, use only class A glassware and diluents compatible with all analytes in the mixture. Considerations should be made related to repeated use of the opened product. Once opened, exposure to light, air, heat, objects, and additional transfer vessels may cause evaporation, degradation or contamination resulting in changes in concentration, uncertainty and stability duration. Store opened standards in a clean, tightly capped vessel under the recommended temperature. Appropriate controls, such as the use of additional verification standards should be used to confirm the opened product is fit for purpose under repeated use conditions.

5. Hazardous Situation: The product is intended for use by experienced professional personnel. A Safety Data Sheet (SDS) is available at www.phenova.com/documents.

6. Level of Homogeneity: The product has been certified to guarantee the certified values and their uncertainties at a volume of 2 µL.

7. Certified Value: Certified Value is based upon gravimetric and volumetric preparation using calibrated balances and Class A glassware.

8. Raw Materials and Purity: Phenova reference standard products are prepared from the highest quality starting materials. The purity of this material was verified using an ISO/IEC 17025 methodology.

9. Expanded Uncertainty: The expanded uncertainty (uCRM) as stated is determined in accordance with ISO/IEC Guide 98[5] and ISO Guide 35 incorporating Type A standard uncertainty at a 95% confidence level. The uncertainty contains elements of manufacturing (uM), homogeneity analysis (uH) and long-term stability testing (uLTS). The uncertainty is calculated based on the root-sum-of-squares equation times a coverage factor (k=2).

   $$\mathrm{uCRM} = k\sqrt{\mathrm{uM}^2 + \mathrm{uH}^2 + \mathrm{uLTS}^2}$$

   Transport conditions (short-term stability) have been tested such that there is no contribution to the uncertainty reported. The expanded uncertainty applies to the product as received.

10. Metrological Traceability: The property value (certified value and its uncertainty) are traceable through an unbroken chain of calibration to the SI base unit kg through a NIST traceable weight in accordance with ISO 17034. This is achieved through calibration of balances, verification of weights, use of national methodology for glassware calibration and product homogeneity and stability testing utilizing an ISO/IEC 17025 methodology.

11. Values Obtained During Product Testing: This product is subjected to verification, homogeneity and stability testing using an ISO/IEC 17025 chromatographic methodology. All values obtained during testing meet criteria in accordance with ISO 17034.

12. Period of Validity: The Certified Values, Uncertainties and Expiration Date are based on the unopened product being stored according to the recommended storage condition listed and are guaranteed until the expiration date. This product will be monitored during the period of validity and customers notified of any significant changes in stability.

References:

[1] ISO Guide 31 – Reference Materials – Contents of Certificates and Labels.
[2] ISO Guide 35 – Reference Material – General and Statistical Principles for Certification.
[3] ISO 17034 – General Requirements for the Competence of Reference Material Producers.
[4] ISO/IEC 17025 – General Requirements for the Competence of Testing and Calibration Laboratories.
[5] ISO/IEC Guide 98-3:2008(E) – Uncertainty of Measurement – Part 3: Guide to Expression of Uncertainty in Measurement (GUM: 1995)

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Access your Safety Data Sheets and digital Certificates at **www.phenova.com/documents.**

Certified Reference Material

This product is certified in accordance with Phenova's ISO 17034 accreditation and supported by Phenova's ISO/IEC 17025 chemical testing accreditation

Catalog No.: AL0-101462
Description: Aroclor 1260
Storage: 4 °C
Provided As: 1 mL in 2 mL Ampoule in Hexane

Lot Number: CL16516
Certification Date: March 4, 2021
Expiration Date: February 28, 2029

J012592
AROCLOR 1260
Expires 2/28/2029
Prepared By Joshua Rains 11/26/2021

Andrea L Gill
Andrea Gill, Certified Reference Materials Manager

Component	CAS #	Certified Value µg/mL	Expanded Uncertainty
Aroclor 1260	11096-82-5	1000	± 0.553%

ACCREDITED
Reference Material Producer
Certificate No. 2427.02

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Certified Reference Materials

Phenova is an accredited ISO/IEC 17034 Reference Material Producer and ISO/IEC 17025 accredited Chemical Testing Laboratory.

ACCREDITED
Chemical Testing Laboratory
Certificate No. 2427.03

IL64691018_us

1. Quality Document: This Certificate of Analysis has been created in accordance with ISO Guide 31[1] and ISO Guide 35.[2]

2. Quality Standards: Phenova is accredited by A2LA to ISO 17034[3] and ISO/IEC 17025[4] as a producer of Certified Reference Materials and Reference Materials. This ensures that our manufacturing processes have been accredited to and meet strict international standards.

3. Intended Use: The product is manufactured for use in calibration, calibration verification, quantification, identification and other appropriate analytical control applications. The product is intended for routine laboratory analysis and research purposes only. Only trained personnel should handle this product.

4. Handling and Usage Notes: Store according to recommended conditions listed and avoid prolonged exposure to light. Visually inspect the solution inside the ampoule for any un-dissolved material. If particulate is visible, sonicate the unopened ampoule until material is fully dissolved. Dilute as required, use only class A glassware and diluents compatible with all analytes in the mixture. Considerations should be made related to repeated use of the opened product. Once opened, exposure to light, air, heat, objects, and additional transfer vessels may cause evaporation, degradation or contamination resulting in changes in concentration, uncertainty and stability duration. Store opened standards in a clean, tightly capped vessel under the recommended temperature. Appropriate controls, such as the use of additional verification standards should be used to confirm the opened product is fit for purpose under repeated use conditions.

5. Hazardous Situation: The product is intended for use by experienced professional personnel. A Safety Data Sheet (SDS) is available at www.phenova.com/documents.

6. Level of Homogeneity: The product has been certified to guarantee the certified values and their uncertainties at a volume of 2 µL.

7. Certified Value: Certified Value is based upon gravimetric and volumetric preparation using calibrated balances and Class A glassware.

8. Raw Materials and Purity: Phenova reference standard products are prepared from the highest quality starting materials. The purity of this material was verified using an ISO/IEC 17025 methodology.

9. Expanded Uncertainty: The expanded uncertainty (uCRM) as stated is determined in accordance with ISO/IEC Guide 98[5] and ISO Guide 35 incorporating Type A standard uncertainty at a 95% confidence level. The uncertainty contains elements of manufacturing (uM), homogeneity analysis (uH) and long-term stability testing (uLTS). The uncertainty is calculated based on the root-sum-of-squares equation times a coverage factor (k=2).

   $$\mathrm{uCRM} = \mathrm{k}\sqrt{\mathrm{uM}^2 + \mathrm{uH}^2 + \mathrm{uLTS}^2}$$

   Transport conditions (short-term stability) have been tested such that there is no contribution to the uncertainty reported. The expanded uncertainty applies to the product as received.

10. Metrological Traceability: The property value (certified value and its uncertainty) are traceable through an unbroken chain of calibration to the SI base unit kg through a NIST traceable weight in accordance with ISO 17034. This is achieved through calibration of balances, verification of weights, use of national methodology for glassware calibration and product homogeneity and stability testing utilizing an ISO/IEC 17025 methodology.

11. Values Obtained During Product Testing: This product is subjected to verification, homogeneity and stability testing using an ISO/IEC17025 chromatographic methodology. All values obtained during testing meet criteria in accordance with ISO 17034.

12. Period of Validity: The Certified Values, Uncertainties and Expiration Date are based on the unopened product being stored according to the recommended storage condition listed and are guaranteed until the expiration date. This product will be monitored during the period of validity and customers notified of any significant changes in stability.

References:

[1] ISO Guide 31 – Reference Materials – Contents of Certificates and Labels.
[2] ISO Guide 35 – Reference Material – General and Statistical Principles for Certification.
[3] ISO 17034 – General Requirements for the Competence of Reference Material Producers.
[4] ISO/IEC 17025 – General Requirements for the Competence of Testing and Calibration Laboratories.
[5] ISO/IEC Guide 98-3:2008(E) – Uncertainty of Measurement – Part 3: Guide to Expression of Uncertainty in Measurement (GUM: 1995)

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Certificate of Analysis

Aroclor 1016 Solution

Product Number:	PP-282			**Page:**	1 of 1
Lot Number:	CR-0761	**Lot Issue Date:**	28-Feb-2017	**Expiration Date:**	31-Mar-2025

This ISO Guide 34 Reference Material (RM) was manufactured and verified in accordance with ULTRA's ISO 9001 registered quality system, and the analyte concentrations were verified by our ISO 17025 accredited laboratory. The true value and uncertainty value at the 95% confidence level for each analyte, determined gravimetrically, is listed below.

Analyte	CAS#	Analyte Lot	True Value
Aroclor 1016	012674-11-2	NT01016	100.2 ± 0.5 µg/mL

Matrix: isooctane (2,2,4-trimethylpentane)

Storage: Store at Room Temperature (15° to 30°C).

K1254
Recd JR
02/05/22

ULTRA uses balances calibrated with weights traceable to NIST in compliance with ANSI/NCSL Z-540-1 and ISO 9001, and calibrated Class A glassware in the manufacturing of these standards.

John Russo
President

M Bourgeois
Monica Bourgeois
Director of QA/RA

ANAB ACCREDITED ISO/IEC 17025 TESTING LABORATORY

ISO 9001
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Certificate of Analysis

Product Name:	Aroclor 1260 Standard		
Product Number:	PP-362-1	**Lot Issue Date:**	20-Jan-2021
Lot Number:	0006582048	**Expiration Date:**	28-Feb-2025

Description:
This analytical reference material (RM) was manufactured and verified in accordance with an ISO 9001 registered quality system and analyte concentrations were verified by an ISO 17025 accredited laboratory. The concentration and uncertainty value at the 95% confidence level for each analyte, determined gravimetrically, is listed below.

Analyte	CAS#	Analyte Lot	Concentration ± Uncertainty
Aroclor 1260	011096-82-5	NT01023	100.4 ± 0.5 µg/mL

Matrix: isooctane (2,2,4-trimethylpentane)

K 1255

Storage Conditions: Store at Room Temperature (15° to 30°C).

Traceability:
The balances used for these measurements are calibrated with weights traceable to NIST in compliance with ANSI/NCSL Z540.3, ISO 9001, ISO 17025, and ISO 17034. Calibrated Class A glassware is used for volumetric measurements. Thermometers are calibrated against a NIST traceable thermometer in accordance with NIST Special Publication 1088.

Homogeneity:
This RM was unitized according to an in-house procedure and is guaranteed to be homogeneous. There is no minimum sub-sample size required.

Intended Use:
This RM is intended for the preparation of working reference samples for use in routine laboratory analyses, calibration of instruments, validation of analytical methods, assessments of measurement methods, and continuing calibration verification.

Instructions for Use:
Sample aliquots for analysis should be withdrawn at 20°C to 25°C immediately after opening the container and should be processed without delay for the certified values to be valid within the stated uncertainties.

Hazards:
Refer to the Safety Data Sheet on www.agilent.com for information regarding this RM.

Expiration of Certification:
The certification of this RM is valid until the expiration date specified above, provided the RM is handled and stored in accordance with the instructions given in this certificate. This certification is nullified if the RM is damaged, contaminated, or otherwise modified.

Maintenance of Certification:
If substantive changes are noted that affect the certification before the expiration of this certificate, Agilent will notify the purchaser.

Sample lot approver:

Monica Bourgeois
QMS Representative

ANAB ACCREDITED ISO 17034 REFERENCE MATERIAL PRODUCER

ISO 17034 Cert
No. AR-1936

RM was produced in accordance with TUV USA Inc registered ISO 9001 Quality
Management System. Cert # 56 100 18560026
Page: 1 of 1

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CSD-QA-015.1

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ISO 17025 Cert
No. AT-1937

Agilent

Certificate of Analysis
ISO Guide 34

Aroclor 1242 Solution

Product Number:	PP-312			**Page:**	1 of 1
Lot Number:	CS-6293	**Lot Issue Date:**	04-Jan-2019	**Expiration Date:**	31-Jan-2023

This ISO Guide 34 Reference Material (RM) was manufactured and verified in accordance with Agilent's ISO 9001 registered quality system, and the analyte concentrations were verified by our ISO 17025 accredited laboratory. The true value and uncertainty value at the 95% confidence level for each analyte, determined gravimetrically, is listed below.

Analyte	CAS#	Analyte Lot	True Value
Aroclor 1242	053469-21-9	NT01020	100.4 ± 0.5 µg/mL

Matrix: isooctane (2,2,4-trimethylpentane)

Storage: Store at Room Temperature (15° to 30°C).

K1256

Agilent uses balances calibrated with weights traceable to NIST in compliance with ANSI/NCSL Z-540-1 and ISO 9001, and calibrated Class A glassware in the manufacturing of these standards.

M Bourgeois

Monica Bourgeois
QMS Representative

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ISO Guide 34 Cert No.
AR-1936

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registered ISO 9001 Quality Management System

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Reference Material Certificate

Product Name:	Aroclor 1248 Standard	**Lot Number:**	0006626997
Product Number:	PP-342-1	**Lot Issue Date:**	17-Aug-2021
Storage Conditions:	Store at Room Temperature (15° to 30°C).	**Expiration Date:**	30-Sep-2025

	CERTIFIED VALUES				
Component Name	Concentration		Expanded Uncertainty	CAS#	Analyte Lot
Aroclor 1248	100.3	±	0.5 µg/mL	012672-29-6	NT01582

Matrix: isooctane (2,2,4-trimethylpentane)

K1257

Description:
This document is prepared in accordance with ISO 17034 and Guide 31. This analytical reference material standard was manufactured and verified in accordance with an ISO 9001 registered quality system and analyte concentrations were verified by an ISO 17025 accredited laboratory. The concentration and uncertainty value at the 95% confidence level for each analyte, determined gravimetrically, is listed above.

Traceability:
The balances used for these measurements are calibrated with weights traceable to NIST in compliance with ANSI/NCSL Z540.3, ISO 9001, ISO 17025, and ISO 17034. Calibrated Class A glassware is used for volumetric measurements. Thermometers are calibrated against a NIST traceable thermometer in accordance with NIST Special Publication 1088.

Homogeneity:
This analytical reference standard was unitized according to an in-house procedure and is guaranteed to be homogeneous. There is no minimum sub-sample size required.

Instructions for Use:
Sample aliquots for analysis should be withdrawn at 20ºC to 25ºC immediately after opening the container and should be processed without delay for the certified values to be valid within the stated uncertainties.

Safety:
Refer to the Safety Data Sheet on www.agilent.com for information regarding this analytical reference material.

Intended Use:
This analytical reference standard is intended for the preparation of working reference samples for use in routine laboratory analyses, calibration of instruments, validation of analytical methods, assessments of measurement methods, and continuing calibration verification.

Expiration of Certification:
The certification of this analytical reference standard is valid until the expiration date specified above, provided the material is handled and stored in accordance with the instructions given in this certificate. This certification is nullified if the material is damaged, contaminated, or otherwise modified.

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Certificate of Analysis

Aroclor 1254 Solution

Product Number:	PP-352			**Page:**	1 of 1
Lot Number:	CS-2321	**Lot Issue Date:**	04-May-2018	**Expiration Date:**	31-May-2026

This ISO Guide 34 Reference Material (RM) was manufactured and verified in accordance with ULTRA's ISO 9001 registered quality system, and the analyte concentrations were verified by our ISO 17025 accredited laboratory. The true value and uncertainty value at the 95% confidence level for each analyte, determined gravimetrically, is listed below.

Analyte	CAS#	Analyte Lot	True Value
Aroclor 1254	011097-69-1	RM00922	100.4 ± 0.5 µg/mL

Matrix: isooctane (2,2,4-trimethylpentane)

Storage: Store at Room Temperature (15° to 30°C).

K1258

ULTRA uses balances calibrated with weights traceable to NIST in compliance with ANSI/NCSL Z-540-1 and ISO 9001, and calibrated Class A glassware in the manufacturing of these standards.

John Russo
President

M Bourgeois
Monica Bourgeois
Director of QA/RA

ANAB ACCREDITED ISO/IEC 17025 TESTING LABORATORY

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Agilent

Certificate of Analysis

Product Name:	Aroclor 1221 Standard		
Product Number:	PP-292-1	**Lot Issue Date:**	28-Apr-2020
Lot Number:	0006535333	**Expiration Date:**	31-May-2024

Description:

This analytical reference material (RM) was manufactured and verified in accordance with an ISO 9001 registered quality system, and analyte concentrations were verified by an ISO 17025 accredited laboratory. The concentration and uncertainty value at the 95% confidence level for each analyte, determined gravimetrically, is listed below.

Analyte	CAS#	Analyte Lot	Concentration ± Uncertainty
Aroclor 1221	011104-28-2	RM04278	100.2 ± 0.5 µg/mL

Matrix: isooctane (2,2,4-trimethylpentane)

Storage Conditions: Store at Room Temperature (15° to 30°C).

K1259

Traceability:

The balances used for these measurements are calibrated with weights traceable to NIST in compliance with ANSI/NCSL Z540.3, ISO 9001, ISO 17025, and ISO 17034. Calibrated Class A glassware is used for volumetric measurements. Thermometers are calibrated against a NIST traceable thermometer in accordance with NIST Special Publication 1088.

Homogeneity:

This RM was unitized according to an in-house procedure and is guaranteed to be homogeneous. There is no minimum sub-sample size required.

Intended Use:

This RM is intended for the preparation of working reference samples for use in routine laboratory analyses, calibration of instruments, validation of analytical methods, assessments of measurement methods, and continuing calibration verification.

Instructions for Use:

Sample aliquots for analysis should be withdrawn at 20°C to 25°C immediately after opening the container and should be processed without delay for the certified values to be valid within the stated uncertainties.

Hazards:

Refer to the Safety Data Sheet on www.agilent.com for information regarding this RM.

Expiration of Certification:

The certification of this RM is valid until the expiration date specified above, provided the RM is handled and stored in accordance with the instructions given in this certificate. This certification is nullified if the RM is damaged, contaminated, or otherwise modified.

Maintenance of Certification:

If substantive changes are noted that affect the certification before the expiration of this certificate, Agilent will notify the purchaser.

Sample lot approver:

M Bourgeois

Monica Bourgeois

QMS Representative

ANAB ACCREDITED ISO 17034 REFERENCE MATERIAL PRODUCER

ISO 17034 Cert No. AR-1936

RM was produced in accordance with TUV USA Inc registered ISO 9001 Quality Management System. Cert # 56 100 18560026

Page: 1 of 1

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CSD-QA-015.1

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ISO 17025 Cert No. AT-1937

Agilent

Certificate of Analysis
ISO 17034

Aroclor 1262 Standard

Product Number:	PP-372-1			**Page:**	1 of 1
Lot Number:	0006499800	**Lot Issue Date:**	04-Nov-2019	**Expiration Date:**	30-Nov-2023

This ISO 17034 Reference Material (RM) was manufactured and verified in accordance with Agilent Technologies ISO 9001 registered quality system. A review of the gravimetric preparation data by our ISO 17025 accredited laboratory serves to verify the concentration of each analyte. The true value and uncertainty value at the 95% confidence level for each analyte, determined gravimetrically, is listed below.

Analyte	CAS#	Analyte Lot	True Value
Aroclor 1262	037324-23-5	RM14263	100.0 ± 0.5 µg/mL

Matrix: isooctane (2,2,4-trimethylpentane)

Storage: Store at Room Temperature (15° to 30°C).

K1260

Agilent uses balances calibrated with weights traceable to NIST in compliance with ANSI/NCSL Z-540-1 and ISO 9001, and calibrated Class A glassware in the manufacturing of these standards.

M Bourgeois

Monica Bourgeois
QMS Representative

ANAB ACCREDITED ISO 17034 REFERENCE MATERIAL PRODUCER
ISO 17034 Cert No.
AR-1936

Produced in accordance with TUV USA Inc 56 100 18560026
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ISO 17025 Cert No.
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Certificate of Analysis
ISO 17034

Aroclor 1232 Standard

Product Number:	PP-302-1		**Page:**	1 of 1
Lot Number:	CF-2197A	**Lot Issue Date:** 05-Jul-2016	**Expiration Date:**	31-Aug-2023

This ISO 17034 Reference Material (RM) was manufactured and verified in accordance with Agilent's ISO 9001 registered quality system, and the analyte concentrations were verified by our ISO 17025 accredited laboratory. The true value and uncertainty value at the 95% confidence level for each analyte, determined gravimetrically, is listed below.

Analyte	CAS#	Analyte Lot	True Value
Aroclor 1232	011141-16-5	NT01717	100.4 ± 0.5 µg/mL

Matrix: isooctane (2,2,4-trimethylpentane)

Storage: Store at Room Temperature (15° to 30°C).

K1261

Agilent uses balances calibrated with weights traceable to NIST in compliance with ANSI/NCSL Z-540-1 and ISO 9001, and calibrated Class A glassware in the manufacturing of these standards.

M Bourgeois
Monica Bourgeois
QMS Representative

ANAB ACCREDITED ISO GUIDE 34 REFERENCE MATERIAL PRODUCER
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Product Name:	Aroclor 1268 Standard		
Product Number:	PP-382-1	**Lot Issue Date:**	09-Feb-2021
Lot Number:	0006587800	**Expiration Date:**	31-Mar-2029

Description:
This analytical reference material (RM) was manufactured and verified in accordance with an ISO 9001 registered quality system and analyte concentrations were verified by an ISO 17025 accredited laboratory. The concentration and uncertainty value at the 95% confidence level for each analyte, determined gravimetrically, is listed below.

Analyte	CAS#	Analyte Lot	Concentration ± Uncertainty
Aroclor 1268	011100-14-4	RM00937	100.0 ± 0.5 µg/mL

Matrix: isooctane (2,2,4-trimethylpentane)

Storage Conditions: Store at Room Temperature (15° to 30°C).

K1262

Traceability:
The balances used for these measurements are calibrated with weights traceable to NIST in compliance with ANSI/NCSL Z540.3, ISO 9001, ISO 17025, and ISO 17034. Calibrated Class A glassware is used for volumetric measurements. Thermometers are calibrated against a NIST traceable thermometer in accordance with NIST Special Publication 1088.

Homogeneity:
This RM was unitized according to an in-house procedure and is guaranteed to be homogeneous. There is no minimum sub-sample size required.

Intended Use:
This RM is intended for the preparation of working reference samples for use in routine laboratory analyses, calibration of instruments, validation of analytical methods, assessments of measurement methods, and continuing calibration verification.

Instructions for Use:
Sample aliquots for analysis should be withdrawn at 20°C to 25°C immediately after opening the container and should be processed without delay for the certified values to be valid within the stated uncertainties.

Hazards:
Refer to the Safety Data Sheet on www.agilent.com for information regarding this RM.

Expiration of Certification:
The certification of this RM is valid until the expiration date specified above, provided the RM is handled and stored in accordance with the instructions given in this certificate. This certification is nullified if the RM is damaged, contaminated, or otherwise modified.

Maintenance of Certification:
If substantive changes are noted that affect the certification before the expiration of this certificate, Agilent will notify the purchaser.

Sample lot approver:

M Bourgeois

Monica Bourgeois
QMS Representative

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ISO 17034
REFERENCE MATERIAL PRODUCER

ISO 17034 Cert
No. AR-1936

RM was produced in accordance with TUV USA Inc registered ISO 9001 Quality
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Certified Reference Material

This product is included in Phenova's ISO/IEC 17025 and ISO Guide 34 Scopes of Accreditation

Catalog No.:	AL0-101467	**Lot Number:**	CL12975
Description:	Aroclor 1016	**Certification Date:**	November 19, 2018
Storage:	4 °C	**Expiration Date:**	October 31, 2026
Provided As:	1 mL in 2 mL Ampoule in Isooctane		

Andrea L Gill

Andrea Gill, Certified Reference Materials Manager

Component	CAS #	Certified Value µg/mL	Expanded Uncertainty
Aroclor 1016	12674-11-2	1000	± 0.553%

K5829

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Certified Reference Materials

Manufactured by Phenova, Inc.

Phenova's testing and calibration results are internationally recognized through the ILAC MRA. Phenova is an accredited ISO Guide 34 Reference Material Provider and ISO/IEC 17025 accredited Chemical Testing Laboratory.

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1. Quality Document: This Certificate of Analysis has been created in accordance with ISO Guide 31[1] and ISO Guide 35.[2]

2. Quality Standards: Phenova is accredited by A2LA to ISO Guide 34[3] and ISO/IEC 17025[4] as a producer of Certified Reference Materials and Reference Materials. This ensures that our manufacturing processes have been accredited to and meet strict international standards.

3. Intended Use: The product is manufactured for use in the calibration and calibration verification of chromatographic instrumentation performed in routine laboratory analysis.

4. Instruction: Visually inspect the solution inside the ampoule for any un-dissolved material. If particulate is visible, sonicate the unopened ampoule until material is fully dissolved. Dilute as required, use only class A glassware and diluents compatible with all certified analytes in the mixture.

5. Hazardous Situation: The product is intended for use by experienced professional personnel. A Material Safety Data Sheet (MSDS) is available at www.phenomenex.com/mysupport.

6. Level of Homogeneity: The product has been certified to guarantee the certified values and their uncertainties at a volume of 2 µL.

7. Certified Value: Certified Value is based upon gravimetric and volumetric preparation using calibrated balances and Class A glassware.

8. Raw Materials and Purity: Phenova reference standard products are prepared from the highest quality starting materials. The purity of this material was verified using an ISO/IEC 17025 methodology.

9. Expanded Uncertainty: The expanded uncertainty (uCRM) as stated is determined in accordance with ISO/IEC Guide 98[5] and ISO Guide 35 incorporating Type A standard uncertainty at a 95% confidence level. The uncertainty contains elements of manufacturing (uM), homogeneity analysis (uH) and long-term stability testing (uLTS). The uncertainty is calculated based on the root-sum-of-squares equation times a coverage factor (k=2).

   $$uCRM = k\sqrt{uM^2 + uH^2 + uLTS^2}$$

   Transport conditions (short-term stability) have been tested such that there is no contribution to the uncertainty reported. The expanded uncertainty applies to the product as received.

10. Metrological Traceability: The property value (certified value and its uncertainty) are traceable through an unbroken chain of calibration to the SI base unit kg through a NIST traceable weight in accordance with ISO Guide 34. This is achieved through calibration of balances, verification of weights, use of national methodology for glassware calibration and product homogeneity and stability testing utilizing an ISO/IEC 17025 methodology.

11. Values Obtained During Product Testing: This product is subjected to verification, homogeneity and stability testing using an ISO/IEC 17025 chromatographic methodology. All values obtained during testing meet criteria in accordance with ISO Guide 34.

12. Period of Validity: The Certified Values and their uncertainties are guaranteed until the expiration date. This product will be monitored during the period of validity and customers notified of any significant changes in stability.

References:

[1] ISO Guide 31:2000(E) – Reference Materials – Contents of Certificates and Labels.
[2] ISO Guide 35:2006(E) – Reference Material – General and Statistical Principles for Certification.
[3] ISO Guide 34:2009(E) – General Requirements for the Competence of Reference Material Producers.
[4] ISO/IEC 17025:2005(E) – General Requirements for the Competence of Testing and Calibration Laboratories.
[5] ISO/IEC Guide 98-3:2008(E) – Uncertainty of Measurement – Part 3: Guide to Expression of Uncertainty in Measurement (GUM: 1995)

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Reference Material Producer
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Manufactured by Phenova, Inc.
Phenova's testing and calibration results are internationally recognized through the ILAC MRA. Phenova is an accredited ISO Guide 34 Reference Material Provider and ISO/IEC 17025 accredited Chemical Testing Laboratory.

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Certified Reference Material

This product is certified in accordance with Phenova's ISO 17034 accreditation and supported by Phenova's ISO/IEC 17025 chemical testing accreditation

Catalog No.:	AL0-101462	**Lot Number:**	CL18021
Description:	Aroclor 1260	**Certification Date:**	February 14, 2022
Storage:	4 °C	**Expiration Date:**	February 28, 2030
Provided As:	1 mL in 2 mL Ampoule in Hexane		

Andrea L Gill
Andrea Gill, Certified Reference Materials Manager

Component	CAS #	Certified Value µg/mL	Expanded Uncertainty
Aroclor 1260	11096-82-5	1000	± 0.553%

K005830

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Reference Material Producer
Certicate No. 2427.02

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Access your Safety Data Sheets and digital Certificates at **www.phenova.com/documents.**

1. Quality Document: This Certificate of Analysis has been created in accordance with ISO Guide 31[1] and ISO Guide 35.[2]

2. Quality Standards: Phenova is accredited by A2LA to ISO 17034[3] and ISO/IEC 17025[4] as a producer of Certified Reference Materials and Reference Materials. This ensures that our manufacturing processes have been accredited to and meet strict international standards.

3. Intended Use: The product is manufactured for use in calibration, calibration verification, quantification, identification and other appropriate analytical control applications. The product is intended for routine laboratory analysis and research purposes only. Only trained personnel should handle this product.

4. Handling and Usage Notes: Store according to recommended conditions listed and avoid prolonged exposure to light. Visually inspect the solution inside the ampoule for any un-dissolved material. If particulate is visible, sonicate the unopened ampoule until material is fully dissolved. Dilute as required, use only class A glassware and diluents compatible with all analytes in the mixture. Considerations should be made related to repeated use of the opened product. Once opened, exposure to light, air, heat, objects, and additional transfer vessels may cause evaporation, degradation or contamination resulting in changes in concentration, uncertainty and stability duration. Store opened standards in a clean, tightly capped vessel under the recommended temperature. Appropriate controls, such as the use of additional verification standards should be used to confirm the opened product is fit for purpose under repeated use conditions.

5. Hazardous Situation: The product is intended for use by experienced professional personnel. A Safety Data Sheet (SDS) is available at www.phenova.com/documents.

6. Level of Homogeneity: The product has been certified to guarantee the certified values and their uncertainties at a volume of 2 µL.

7. Certified Value: Certified Value is based upon gravimetric and volumetric preparation using calibrated balances and Class A glassware.

8. Raw Materials and Purity: Phenova reference standard products are prepared from the highest quality starting materials. The purity of this material was verified using an ISO/IEC 17025 methodology.

9. Expanded Uncertainty: The expanded uncertainty (uCRM) as stated is determined in accordance with ISO/IEC Guide 98[5] and ISO Guide 35 incorporating Type A standard uncertainty at a 95% confidence level. The uncertainty contains elements of manufacturing (uM), homogeneity analysis (uH) and long-term stability testing (uLTS). The uncertainty is calculated based on the root-sum-of-squares equation times a coverage factor (k=2).

   $$uCRM = k\sqrt{uM^2 + uH^2 + uLTS^2}$$

   Transport conditions (short-term stability) have been tested such that there is no contribution to the uncertainty reported. The expanded uncertainty applies to the product as received.

10. Metrological Traceability: The property value (certified value and its uncertainty) are traceable through an unbroken chain of calibration to the SI base unit kg through a NIST traceable weight in accordance with ISO 17034. This is achieved through calibration of balances, verification of weights, use of national methodology for glassware calibration and product homogeneity and stability testing utilizing an ISO/IEC 17025 methodology.

11. Values Obtained During Product Testing: This product is subjected to verification, homogeneity and stability testing using an ISO/IEC 17025 chromatographic methodology. All values obtained during testing meet criteria in accordance with ISO 17034.

12. Period of Validity: The Certified Values, Uncertainties and Expiration Date are based on the unopened product being stored according to the recommended storage condition listed and are guaranteed until the expiration date. This product will be monitored during the period of validity and customers notified of any significant changes in stability.

References:

[1] ISO Guide 31 – Reference Materials – Contents of Certificates and Labels.
[2] ISO Guide 35 – Reference Material – General and Statistical Principles for Certification.
[3] ISO 17034 – General Requirements for the Competence of Reference Material Producers.
[4] ISO/IEC 17025 – General Requirements for the Competence of Testing and Calibration Laboratories.
[5] ISO/IEC Guide 98-3:2008(E) – Uncertainty of Measurement – Part 3: Guide to Expression of Uncertainty in Measurement (GUM: 1995)

ACCREDITED
Reference Material Producer
Certicate No. 2427.02

phenova®
Certified Reference Materials
A Phenomenex® Company

Phenova is an accredited ISO/IEC 17034 Reference Material Producer and ISO/IEC 17025 accredited Chemical Testing Laboratory.

ACCREDITED
Chemical Testing Laboratory
Certicate No. 2427.03

Recipient Copy

CHAIN-OF-CUSTODY RECORD

COC No. 15546

Order Number: CB014961

Date Shipped: 11/17/2022

AirBill No(s):
519204142414

From:
QATS LABORATORY
2700 CHANDLER AVENUE, BLDG. B
LAS VEGAS, NV 89120
PHONE: 1-702-895-8712

To:
Kelly Bottem
Analytical Resources, Inc.
4611 S. 134th Place SUITE 100
Tukwila WA 98168
206-695-6211

	Sample ID	Sigma ID	Qty	Description/Remarks	→ Catalogue Number
K010815	PSRM0164	SR0431	1	PUGET SOUND SEDIMENT RM	PS-SRM
K010816	PSRM0165	SR0431	1	PUGET SOUND SEDIMENT RM	PS-SRM
K010817	PSRM0166	SR0431	1	PUGET SOUND SEDIMENT RM	PS-SRM

CW 11/17/2022

PUGET SOUND SRM FOR THE LOCKHEED WEST SEATTLE SF SITE 5-YEAR REVIEW MONITORING.

Please use the enclosed Sample Preparation Instructions. If catalogue number(s) are listed at the top of the Sample Preparation Instructions use the Sample Preparation Instructions with catalogue number(s) matching the catalogue number(s) of each of the samples listed above.

Relinquished by: (Signature)	Date/Time (1400) 11/17/2022	Received by: (Signature) Phillip	Date/Time 10:22 11/18/22
Custody Seal(s): Present/Absent	Remarks:		
Relinquished by: (Signature)	Date/Time	Received by: (Signature)	Date/Time

Report No. 00, 9/11/2014

SMP Version 3.3

LDW22-IT808A

Form 1
ORGANIC ANALYSIS DATA SHEET
EPA 1613B
Dioxins/Furans by HRGC/HRMS

Laboratory:	Analytical Resources, LLC			SDG:	22L0307
Client:	Anchor QEA, LLC				
Project:	AOC4 UR Phase 3				
Matrix:	Sediment	Laboratory ID:	22L0307-29 A	File ID:	23020727
Sampled:	12/12/22 09:46	Prepared:	12/27/22 14:20	Analyzed:	02/08/23 06:38
% Solids:	55.27	Preparation:	EPA 8290	Initial/Final:	18.1 g Wet / 20 uL
Result Basis:	Dry	Sequence:	SLB0072	Calibration:	GB00010
Batch:	BKL0420	Instrument:	AUTOSPEC01	Column:	RTX-Dioxin2

CAS NO.	COMPOUND	DF/Split	Ion Ratio	Ratio Limits	EDL	RL	Result	Units	Q
51207-31-9	2,3,7,8-TCDF	1	0.756	0.655-0.886	0.169	1.00	1.14	ng/kg	
1746-01-6	2,3,7,8-TCDD	1	0.691	0.655-0.886	0.141	1.00	0.422	ng/kg	J
57117-41-6	1,2,3,7,8-PeCDF	1	1.267	1.318-1.783	0.312	1.00	0.700	ng/kg	EMPC, J
57117-31-4	2,3,4,7,8-PeCDF	1	1.406	1.318-1.783	0.302	1.00	1.56	ng/kg	
40321-76-4	1,2,3,7,8-PeCDD	1	1.584	1.318-1.783	0.339	1.00	1.33	ng/kg	
70648-26-9	1,2,3,4,7,8-HxCDF	1	1.218	1.054-1.426	0.123	1.00	6.90	ng/kg	
57117-44-9	1,2,3,6,7,8-HxCDF	1	1.495	1.054-1.426	0.112	1.00	1.92	ng/kg	EMPC, B
60851-34-5	2,3,4,6,7,8-HxCDF	1	1.213	1.054-1.426	0.121	1.00	2.94	ng/kg	
72918-21-9	1,2,3,7,8,9-HxCDF	1	1.487	1.054-1.426	0.136	1.00	1.47	ng/kg	EMPC
39227-28-6	1,2,3,4,7,8-HxCDD	1	1.385	1.054-1.426	0.245	1.00	1.37	ng/kg	
57653-85-7	1,2,3,6,7,8-HxCDD	1	1.293	1.054-1.426	0.234	1.00	5.61	ng/kg	
19408-74-3	1,2,3,7,8,9-HxCDD	1	1.180	1.054-1.426	0.244	1.00	3.11	ng/kg	
67562-39-4	1,2,3,4,6,7,8-HpCDF	1	1.010	0.893-1.208	0.211	1.00	37.5	ng/kg	
55673-89-7	1,2,3,4,7,8,9-HpCDF	1	1.066	0.893-1.208	0.276	1.00	4.22	ng/kg	
35822-46-9	1,2,3,4,6,7,8-HpCDD	1	1.026	0.893-1.208	0.466	2.50	159	ng/kg	B
39001-02-0	OCDF	1	0.869	0.757-1.024	0.313	2.50	136	ng/kg	B
3268-87-9	OCDD	1	0.881	0.757-1.024	0.758	10.0	1670	ng/kg	B

Homologue Groups

55722-27-5	Total TCDF	1	0.000			1.00	13.9	ng/kg
41903-57-5	Total TCDD	1	0.000			1.00	1.25	ng/kg
30402-15-4	Total PeCDF	1	0.000			1.00	22.2	ng/kg
36088-22-9	Total PeCDD	1	0.000			1.00	3.82	ng/kg
55684-94-1	Total HxCDF	1	0.000			1.00	57.0	ng/kg
34465-46-8	Total HxCDD	1	0.000			1.00	46.9	ng/kg
38998-75-3	Total HpCDF	1	0.000			1.00	150	ng/kg
37871-00-4	Total HpCDD	1	0.000			1.00	357	ng/kg

Total 2,3,7,8-TCDD Equivalence (WHO2005, ND=0, Including EMPC):	7.24
Total 2,3,7,8-TCDD Equivalence (WHO2005, ND=1/2 EDL, Including EMPC):	7.24

LDW22-IT808A

Form 2
ORGANIC ANALYSIS DATA SHEET
EPA 1613B
Dioxins/Furans by HRGC/HRMS

Laboratory:	Analytical Resources, LLC			SDG:	22L0307
Client:	Anchor QEA, LLC			Project:	AOC4 UR Phase 3
Matrix:	Sediment	Laboratory ID:	22L0307-29	File ID:	23020727
Sampled:	12/12/22 09:46	Prepared:	12/27/22 14:20	Analyzed:	02/08/23 06:38
Solids Wt%:	55.27	Preparation:	EPA 8290	Initial/Final:	18.1 g / 20 uL
Result Basis:	Dry	Sequence:	SLB0072	Calibration:	GB00010
Batch:	BKL0420	Instrument:	AUTOSPEC01	Column:	RTX-Dioxin2

Labels	DF/Split	Ion Ratio	Ratio Limits	EDL	% REC	QC LIMITS	Q
13C12-2,3,7,8-TCDF		0.770	0.655-0.886	0.160	77.2	24 - 169 %	
13C12-2,3,7,8-TCDD		0.763	0.655-0.886	0.222	93.7	25 - 164 %	
13C12-1,2,3,7,8-PeCDF		1.523	1.318-1.783	0.166	80.5	24 - 185 %	
13C12-2,3,4,7,8-PeCDF		1.526	1.318-1.783	0.173	79.2	21 - 178 %	
13C12-1,2,3,7,8-PeCDD		1.598	1.318-1.783	0.169	87.3	25 - 181 %	
13C12-1,2,3,4,7,8-HxCDF		0.505	0.434-0.587	0.226	85.1	26 - 152 %	
13C12-1,2,3,6,7,8-HxCDF		0.503	0.434-0.587	0.221	85.3	26 - 123 %	
13C12-2,3,4,6,7,8-HxCDF		0.503	0.434-0.587	0.235	84.3	28 - 136 %	
13C12-1,2,3,7,8,9-HxCDF		0.504	0.434-0.587	0.257	84.2	29 - 147 %	
13C12-1,2,3,4,7,8-HxCDD		1.276	1.054-1.426	0.235	93.5	32 - 141 %	
13C12-1,2,3,6,7,8-HxCDD		1.247	1.054-1.426	0.227	90.6	28 - 130 %	
13C12-1,2,3,4,6,7,8-HpCDF		0.454	0.374-0.506	0.261	66.9	28 - 143 %	
13C12-1,2,3,4,7,8,9-HpCDF		0.437	0.374-0.506	0.299	66.0	26 - 138 %	
13C12-1,2,3,4,6,7,8-HpCDD		1.103	0.893-1.208	0.201	72.6	23 - 140 %	
13C12-OCDD		0.912	0.757-1.024	0.251	61.9	17 - 157 %	
37Cl4-2,3,7,8-TCDD		328.000		0.086	89.1	35 - 197 %	

* Values outside of QC limits

Quantify Sample Summary Report MassLynx MassLynx V4.1 SCN909

Dataset: T:\Autospec\Processed Data Batch\230207D2.qld
Last Altered: Wednesday, February 08, 2023 13:13:24 Pacific Standard Time
Printed: Wednesday, February 08, 2023 13:16:37 Pacific Standard Time

Method: T:\Autospec\Methods\Dioxin230206.mdb 07 Feb 2023 09:29:10
Calibration: T:\Autospec\Curves\230201ICIH.cdb 03 Feb 2023 10:33:40

ID: 22L0307-29, Name: 23020727, Date: 08-Feb-2023, Time: 06:38:52, Conditions: AUTOSPEC01, User: pk

Compound	RT	RRT	Ion1Area	Ion2Area	RRF	Ratio	Pred R	Noise 1	Noise 2	Height 1	Height 2	S/N 1	S/N 2	EMPC	Int.1	Int.2	pg
2378-TCDF	25.867	1.001	1.139e3	1.507e3	0.876	0.756	0.770	879	1196	1.67e4	2.08e4	19.0	17.4	NO	bd	bd	0.569
12378-PeCDF	30.037	1.001	7.891e2	6.228e2	0.845	1.267	1.550	1068	2150	1.29e4	1.00e4	12.1	4.7	YES	bb	bb	0.350
23478-PeCDF	31.363	1.000	1.870e3	1.330e3	0.911	1.406	1.550	1068	2150	2.80e4	1.91e4	26.2	8.9	NO	db	db	0.779
123478-HxCDF	34.984	1.000	8.802e3	7.227e3	1.182	1.218	1.240	858	680	1.37e5	1.17e5	159.2	172.5	NO	bd	bd	3.450
234678-HxCDF	35.942	0.999	3.713e3	3.061e3	1.229	1.213	1.240	858	680	4.20e4	3.64e4	48.9	53.6	NO	bb	MM	1.470
123678-HxCDF	35.118	1.000	2.901e3	1.941e3	1.248	1.495	1.240	858	680	4.43e4	3.55e4	51.7	52.2	YES	db	db	0.960
123789-HxCDF	36.979	1.000	1.785e3	1.200e3	1.187	1.487	1.240	858	680	2.26e4	1.85e4	26.4	27.2	YES	bb	bb	0.735
1234678-HpCDF	38.850	1.000	3.447e4	3.413e4	1.204	1.010	1.050	909	1176	5.70e5	5.58e5	626.9	474.9	NO	bb	bb	18.750
1234789-HpCDF	41.101	1.001	3.324e3	3.117e3	1.165	1.066	1.050	909	1176	4.86e4	4.67e4	53.5	39.7	NO	bb	bb	2.111
OCDF	45.367	1.006	7.996e4	9.201e4	1.186	0.869	0.890	881	782	9.62e5	1.11e6	1091.4	1418.7	NO	bb	bb	67.828
2378-TCDD	26.501	1.001	4.286e2	6.202e2	1.236	0.691	0.770	890	947	5.59e3	8.53e3	6.3	9.0	NO	MM	bd	0.211
12378-PeCDD	31.608	1.000	1.373e3	8.669e2	1.087	1.584	1.550	1265	1682	2.16e4	1.26e4	17.1	7.5	NO	bb	bb	0.665
123478-HxCDD	36.098	1.000	1.500e3	1.083e3	0.987	1.385	1.240	1278	1319	2.46e4	1.93e4	19.3	14.6	NO	bd	bd	0.684
123678-HxCDD	36.221	1.001	6.190e3	4.788e3	1.021	1.293	1.240	1278	1319	1.05e5	7.95e4	81.8	60.3	NO	dd	db	2.807
123789-HxCDD	36.600	1.011	3.173e3	2.688e3	0.985	1.180	1.240	1278	1319	5.68e4	4.43e4	44.5	33.6	NO	bb	bb	1.554
1234678-HpCDD	40.354	1.001	1.256e5	1.224e5	1.253	1.026	1.050	1949	1748	1.89e6	1.89e6	970.6	1081.4	NO	bd	bb	79.516
OCDD	45.129	1.000	9.219e5	1.046e6	1.103	0.881	0.890	2020	1730	1.12e7	1.28e7	5558.1	7396.0	NO	bb	bb	834.977
13C-2378-TCDF	25.851	1.007	2.308e5	2.997e5	1.768	0.770	0.770	1566	1348	3.65e6	4.71e6	2332.4	3494.4	NO	bb	bb	77.237
13C-12378-PeCDF	30.015	1.169	2.881e5	1.892e5	1.527	1.523	1.550	1301	1305	4.42e6	2.94e6	3399.5	2253.3	NO	bb	bb	80.456
13C-23478-PeCDF	31.352	1.221	2.724e5	1.785e5	1.466	1.526	1.550	1301	1305	4.23e6	2.79e6	3253.9	2139.4	NO	bb	bb	79.160
13C-123478-HxCDF	34.973	0.956	1.320e5	2.612e5	1.054	0.505	0.510	1220	1677	2.13e6	4.24e6	1746.0	2528.1	NO	bd	bd	85.134
13C-123678-HxCDF	35.107	0.960	1.351e5	2.689e5	1.080	0.503	0.510	1220	1677	2.21e6	4.46e6	1812.0	2658.6	NO	db	db	85.348
13C-234678-HxCDF	35.976	0.983	1.255e5	2.494e5	1.014	0.503	0.510	1220	1677	2.08e6	4.06e6	1706.4	2422.6	NO	bb	bb	84.323
13C-123789-HxCDF	36.990	1.011	1.147e5	2.276e5	0.928	0.504	0.510	1220	1677	1.91e6	3.81e6	1565.7	2273.0	NO	bb	bb	84.159
13C-1234678-HpCDF	38.839	1.062	9.491e4	2.089e5	1.036	0.454	0.440	1611	1680	1.53e6	3.42e6	952.8	2036.0	NO	bd	bb	66.902
13C-1234789-HpCDF	41.078	1.123	7.966e4	1.822e5	0.905	0.437	0.440	1611	1680	1.18e6	2.56e6	733.0	1523.5	NO	bb	bd	66.023
13C-1234-TCDD	25.670	0.000	1.694e5	2.191e5	1.000	0.773	0.770	1544	975	2.69e6	3.46e6	1738.9	3546.1	NO	bb	bb	100.000
13C-2378-TCDD	26.486	1.032	1.738e5	2.277e5	1.103	0.763	0.770	1544	975	2.73e6	3.57e6	1767.7	3658.6	NO	bb	bb	93.697
13C-12378-PeCDD	31.597	1.231	1.907e5	1.193e5	0.914	1.598	1.550	906	676	2.95e6	1.83e6	3258.0	2710.9	NO	bd	bd	87.306
13C-123478-HxCDD	36.087	0.986	2.144e5	1.680e5	0.933	1.276	1.240	1388	1274	3.61e6	2.79e6	2603.0	2191.8	NO	bd	bd	93.510
13C-123678-HxCDD	36.199	0.989	2.126e5	1.706e5	0.965	1.247	1.240	1388	1274	3.61e6	2.86e6	2603.4	2242.8	NO	db	db	90.620
13C-1234678-HpCDD	40.332	1.102	1.306e5	1.184e5	0.782	1.103	1.050	933	976	1.99e6	1.81e6	2135.4	1849.3	NO	bd	bb	72.641
13C-OCDD	45.111	1.233	2.039e5	2.236e5	0.788	0.912	0.890	1233	1171	2.57e6	2.83e6	2081.0	2419.2	NO	bb	bb	123.722
13C-123789-HxCDD	36.589	0.000	2.450e5	1.933e5	1.000	1.268	1.240	1388	1274	4.07e6	3.24e6	2933.1	2539.6	NO	bb	bb	100.000
37CL-2378-TCDD	26.501	1.032	1.708e5		1.233			1095		2.69e6		2458.0			bb		35.649

ID: 22L0307-29, Name: 23020727, Date: 08-Feb-2023, Time: 06:38:52, Conditions: AUTOSPEC01, User: pk

Compound	RT	RRT	Ion1Area	Ion2Area	RRF	Ratio	Pred R	Noise 1	Noise 2	Height 1	Height 2	S/N 1	S/N 2	EMPC	Int.1	Int.2	pg
1368-TCDF	22.359	0.865	2.821e2	6.472e2	1.064	0.436	0.770	879	1196	5.79e3	9.86e3	6.6	8.2	YES	bb	bb	0.165
1289-TCDF	27.469	1.063	6.037e2	1.006e3	0.858	0.600	0.770	879	1196	9.99e3	1.44e4	11.4	12.1	YES	bb	bb	0.354
13468-PECDF					1.013		1.550	725	778								
12389-PECDF					0.844		1.550	1068	2150								
123468-HXCDF	33.324	0.953	5.677e3	4.609e3	1.197	1.232	1.240	858	680	8.80e4	7.13e4	102.5	105.0	NO	bd	bd	2.185
1368-TCDD	23.629	0.892	1.339e3	1.183e3	1.084	1.132	0.770	890	947	2.22e4	2.09e4	24.9	22.0	YES	db	MM	0.579
1289-TCDD					0.975		0.770	890	947								
12479-PECDD	28.890	0.914	2.684e3	2.327e3	1.837	1.153	1.550	1265	1682	3.06e4	2.32e4	24.2	13.8	YES	MM	MM	0.880
12389-PECDD					1.252		1.550	1265	1682								
124679-HXCDD	34.093	0.945	1.648e4	1.332e4	1.033	1.237	1.240	1278	1319	2.61e5	2.20e5	204.6	166.6	NO	bb	bb	7.544
1234679-HPCDD	39.296	0.974	1.612e5	1.553e5	1.286	1.038	1.050	1949	1748	2.58e6	2.47e6	1322.0	1414.2	NO	bb	bb	98.849
Total-tetrafurans			1.472e4		0.933			879		2.21e5							6.932
Total-penta1			1.298e4					725		1.84e5							4.940
Total-pentafurans			1.494e4		0.866			1068		1.82e5							6.141
Total-hexafurans			7.257e4		1.208			858		1.11e6							28.509
Total-heptafurans			1.275e5		1.185			909		2.08e6							75.168
Total-Furans			3.227e5		1.067			879		4.74e6							189.518
Total-tetradioxins			1.211e3		1.099			890		2.05e4							0.625
Total-pentadioxins			4.507e3		1.392			1265		7.47e4							1.912
Total-hexadioxins			5.045e4		1.007			1278		7.29e5							23.450
Total-heptadioxins			2.868e5		1.269			1949		4.47e6							178.365
Total-Dioxins			1.265e6		1.165			890		1.65e7							1039.330
Total-TEQ			1.588e6					890		2.13e7							1228.848
FUNCTION1 PFK			6.447e6					536622		4.54e7							
FUNCTION2 PFK			1.910e5					150349		5.10e6							0.000
FUNCTION3 PFK			4.687e6					206603		5.33e7							0.000
FUNCTION4 PFK			2.299e5					146886		5.72e6							
FUNCTION5 PFK			6.307e4					97299		2.22e6							
FUNCTION1 HXCD...			9.840e2					653		1.45e4							0.000
FUNCTION1 HPCD...			4.344e3					563		7.12e4							0.000
FUNCTION2 HPCD...			3.131e2					591		5.05e3							0.000
FUNCTION3 OCDPE			2.146e2					543		2.85e3							0.000
FUNCTION4 NCDPE			4.649e3					696		8.52e4							0.000
FUNCTION5 DCDPE			0.000e0					585		0.00e0							

Method: T:\Autospec\Methods\Dioxin230206.mdb 07 Feb 2023 09:29:10
Calibration: T:\Autospec\Curves\230201ICIH.cdb 03 Feb 2023 10:33:40

ID: 22L0307-29, Name: 23020727, Date: 08-Feb-2023, Time: 06:38:52, Conditions: AUTOSPEC01, User: pk

TF

	Compound	RT	Ion1Area	Ion2Area	RRF	Ratio	Pred R	S/N 1	SNFlag	EMPC	Int.1	Int.2	pg
1	Total-tetrafurans	24.10	1.776e3	2.276e3	0.933	0.78	0.77	28.3	YES	NO	dd	db	0.819
2	Total-tetrafurans	23.96	8.574e2	1.060e3	0.933	0.81	0.77	14.4	YES	NO	dd	dd	0.387
3	Total-tetrafurans	23.86	1.173e3	1.760e3	0.933	0.67	0.77	19.3	YES	NO	dd	bd	0.593
4	Total-tetrafurans	23.69	3.182e2	3.895e2	0.933	0.82	0.77	6.3	YES	NO	dd	db	0.143
5	Total-tetrafurans	23.60	1.560e3	2.188e3	0.933	0.71	0.77	27.3	YES	NO	dd	dd	0.757
6	Total-tetrafurans	23.51	1.012e3	1.154e3	0.933	0.88	0.77	21.1	YES	NO	dd	dd	0.438
7	Total-tetrafurans	23.31	3.295e2	4.437e2	0.933	0.74	0.77	7.2	YES	NO	dd	dd	0.156
8	Total-tetrafurans	23.19	2.101e3	2.627e3	0.933	0.80	0.77	34.2	YES	NO	bd	bd	0.955
9	Total-tetrafurans	25.99	9.135e2	1.277e3	0.933	0.72	0.77	15.1	YES	NO	dd	dd	0.443
10	2378-TCDF	25.87	1.139e3	1.507e3	0.876	0.76	0.77	19.0	YES	NO	bd	bd	0.569
11	Total-tetrafurans	25.38	2.560e2	3.750e2	0.933	0.68	0.77	3.9	YES	NO	db	bb	0.128
12	Total-tetrafurans	25.20	5.781e2	8.430e2	0.933	0.69	0.77	9.7	YES	NO	bd	bb	0.287
13	Total-tetrafurans	24.96	9.027e2	1.359e3	0.933	0.66	0.77	15.0	YES	NO	db	bb	0.457
14	Total-tetrafurans	24.76	1.592e3	1.873e3	0.933	0.85	0.77	27.6	YES	NO	dd	db	0.700
15	Total-tetrafurans	24.37	2.129e2	2.770e2	0.933	0.77	0.77	3.5	YES	NO	dd	bd	0.099

PP

	Compound	RT	Ion1Area	Ion2Area	RRF	Ratio	Pred R	S/N 1	SNFlag	EMPC	Int.1	Int.2	pg
1	Total-penta1	27.29	1.298e4	8.642e3		1.50	1.55	254.0	YES	NO	bb	bb	4.940

PF

	Compound	RT	Ion1Area	Ion2Area	RRF	Ratio	Pred R	S/N 1	SNFlag	EMPC	Int.1	Int.2	pg
1	Total-pentafurans	28.78	2.013e3	1.398e3	0.866	1.44	1.55	19.3	YES	NO	dd	dd	0.848
2	23478-PeCDF	31.36	1.870e3	1.330e3	0.911	1.41	1.55	26.2	YES	NO	db	db	0.779
3	Total-pentafurans	30.23	1.176e3	8.402e2	0.866	1.40	1.55	20.8	YES	NO	bb	bd	0.501
4	Total-pentafurans	29.67	1.252e3	8.221e2	0.866	1.52	1.55	16.7	YES	NO	dd	bd	0.516
5	Total-pentafurans	28.96	8.626e3	5.435e3	0.866	1.59	1.55	87.6	YES	NO	MM	MM	3.497

ID: 22L0307-29, Name: 23020727, Date: 08-Feb-2023, Time: 06:38:52, Conditions: AUTOSPEC01, User: pk

HF

	Compound	RT	Ion1Area	Ion2Area	RRF	Ratio	Pred R	S/N 1	SNFlag	EMPC	Int.1	Int.2	pg
1	123478-HxCDF	34.98	8.802e3	7.227e3	1.182	1.22	1.24	159.2	YES	NO	bd	bd	3.450
2	Total-hexafurans	34.36	3.351e4	2.685e4	1.208	1.25	1.24	621.1	YES	NO	bd	bb	13.192
3	Total-hexafurans	34.05	8.801e2	6.368e2	1.208	1.38	1.24	15.5	YES	NO	bb	bb	0.332
4	Total-hexafurans	33.54	1.999e4	1.606e4	1.208	1.24	1.24	349.1	YES	NO	db	db	7.881
5	123468-HXCDF	33.32	5.677e3	4.609e3	1.197	1.23	1.24	102.5	YES	NO	bd	bd	2.185
6	234678-HxCDF	35.94	3.713e3	3.061e3	1.229	1.21	1.24	48.9	YES	NO	bb	MM	1.470

HPF

	Compound	RT	Ion1Area	Ion2Area	RRF	Ratio	Pred R	S/N 1	SNFlag	EMPC	Int.1	Int.2	pg
1	1234789-HpCDF	41.10	3.324e3	3.117e3	1.165	1.07	1.05	53.5	YES	NO	bb	bb	2.111
2	Total-heptafurans	39.51	8.969e4	9.230e4	1.185	0.97	1.05	1604.6	YES	NO	bd	bd	54.307
3	1234678-HpCDF	38.85	3.447e4	3.413e4	1.204	1.01	1.05	626.9	YES	NO	bb	bb	18.750

ID: 22L0307-29, Name: 23020727, Date: 08-Feb-2023, Time: 06:38:52, Conditions: AUTOSPEC01, User: pk

Furans,TF,PP,PF,HF,HPF,OF

	Compound	RT	Ion1Area	Ion2Area	RRF	Ratio	Pred R	S/N 1	SNFlag	EMPC	Int.1	Int.2	pg
1	Total-tetrafurans	24.10	1.776e3	2.276e3	0.933	0.78	0.77	28.3	YES	NO	dd	db	0.819
2	Total-tetrafurans	23.96	8.574e2	1.060e3	0.933	0.81	0.77	14.4	YES	NO	dd	dd	0.387
3	Total-tetrafurans	23.86	1.173e3	1.760e3	0.933	0.67	0.77	19.3	YES	NO	dd	bd	0.593
4	Total-tetrafurans	23.69	3.182e2	3.895e2	0.933	0.82	0.77	6.3	YES	NO	dd	db	0.143
5	Total-tetrafurans	23.60	1.560e3	2.188e3	0.933	0.71	0.77	27.3	YES	NO	dd	dd	0.757
6	Total-tetrafurans	23.51	1.012e3	1.154e3	0.933	0.88	0.77	21.1	YES	NO	dd	dd	0.438
7	Total-tetrafurans	23.31	3.295e2	4.437e2	0.933	0.74	0.77	7.2	YES	NO	dd	dd	0.156
8	Total-tetrafurans	23.19	2.101e3	2.627e3	0.933	0.80	0.77	34.2	YES	NO	bd	bd	0.955
9	Total-tetrafurans	25.99	9.135e2	1.277e3	0.933	0.72	0.77	15.1	YES	NO	dd	dd	0.443
10	2378-TCDF	25.87	1.139e3	1.507e3	0.876	0.76	0.77	19.0	YES	NO	bd	bd	0.569
11	Total-tetrafurans	25.38	2.560e2	3.750e2	0.933	0.68	0.77	3.9	YES	NO	db	bb	0.128
12	Total-tetrafurans	25.20	5.781e2	8.430e2	0.933	0.69	0.77	9.7	YES	NO	bd	bb	0.287
13	Total-tetrafurans	24.96	9.027e2	1.359e3	0.933	0.66	0.77	15.0	YES	NO	db	bb	0.457
14	Total-tetrafurans	24.76	1.592e3	1.873e3	0.933	0.85	0.77	27.6	YES	NO	dd	db	0.700
15	Total-tetrafurans	24.37	2.129e2	2.770e2	0.933	0.77	0.77	3.5	YES	NO	dd	bd	0.099
16	Total-pentafurans	28.78	2.013e3	1.398e3	0.866	1.44	1.55	19.3	YES	NO	dd	dd	0.848
17	23478-PeCDF	31.36	1.870e3	1.330e3	0.911	1.41	1.55	26.2	YES	NO	db	db	0.779
18	Total-pentafurans	30.23	1.176e3	8.402e2	0.866	1.40	1.55	20.8	YES	NO	bb	bd	0.501
19	Total-pentafurans	29.67	1.252e3	8.221e2	0.866	1.52	1.55	16.7	YES	NO	dd	bd	0.516
20	123478-HxCDF	34.98	8.802e3	7.227e3	1.182	1.22	1.24	159.2	YES	NO	bd	bd	3.450
21	Total-hexafurans	34.36	3.351e4	2.685e4	1.208	1.25	1.24	621.1	YES	NO	bd	bb	13.192
22	Total-hexafurans	34.05	8.801e2	6.368e2	1.208	1.38	1.24	15.5	YES	NO	bb	bb	0.332
23	Total-hexafurans	33.54	1.999e4	1.606e4	1.208	1.24	1.24	349.1	YES	NO	db	db	7.881
24	123468-HXCDF	33.32	5.677e3	4.609e3	1.197	1.23	1.24	102.5	YES	NO	bd	bd	2.185
25	234678-HxCDF	35.94	3.713e3	3.061e3	1.229	1.21	1.24	48.9	YES	NO	bb	MM	1.470
26	1234789-HpCDF	41.10	3.324e3	3.117e3	1.165	1.07	1.05	53.5	YES	NO	bb	bb	2.111
27	Total-heptafurans	39.51	8.969e4	9.230e4	1.185	0.97	1.05	1604.6	YES	NO	bd	bd	54.307
28	1234678-HpCDF	38.85	3.447e4	3.413e4	1.204	1.01	1.05	626.9	YES	NO	bb	bb	18.750
29	OCDF	45.37	7.996e4	9.201e4	1.186	0.87	0.89	1091.4	YES	NO	bb	bb	67.828
30	Total-penta1	27.29	1.298e4	8.642e3		1.50	1.55	254.0	YES	NO	bb	bb	4.940
31	Total-pentafurans	28.96	8.626e3	5.435e3	0.866	1.59	1.55	87.6	YES	NO	MM	MM	3.497

TD

	Compound	RT	Ion1Area	Ion2Area	RRF	Ratio	Pred R	S/N 1	SNFlag	EMPC	Int.1	Int.2	pg
1	2378-TCDD	26.50	4.286e2	6.202e2	1.236	0.69	0.77	6.3	YES	NO	MM	bd	0.211
2	Total-tetradioxins	23.90	7.822e2	1.043e3	1.099	0.75	0.77	16.7	YES	NO	bb	bb	0.414

ID: 22L0307-29, Name: 23020727, Date: 08-Feb-2023, Time: 06:38:52, Conditions: AUTOSPEC01, User: pk

PD

	Compound	RT	Ion1Area	Ion2Area	RRF	Ratio	Pred R	S/N 1	SNFlag	EMPC	Int.1	Int.2	pg
1	12378-PeCDD	31.61	1.373e3	8.669e2	1.087	1.58	1.55	17.1	YES	NO	bb	bb	0.665
2	Total-pentadioxins	30.37	8.991e2	6.117e2	1.392	1.47	1.55	11.8	YES	NO	bb	db	0.350
3	Total-pentadioxins	30.23	1.166e3	8.467e2	1.392	1.38	1.55	14.1	YES	NO	bb	MM	0.466
4	Total-pentadioxins	30.01	1.069e3	7.911e2	1.392	1.35	1.55	16.1	YES	NO	bb	bb	0.431

HD

	Compound	RT	Ion1Area	Ion2Area	RRF	Ratio	Pred R	S/N 1	SNFlag	EMPC	Int.1	Int.2	pg
1	Total-hexadioxins	35.32	1.278e3	1.031e3	1.007	1.24	1.24	15.9	YES	NO	db	db	0.599
2	Total-hexadioxins	35.22	1.880e4	1.500e4	1.007	1.25	1.24	165.0	YES	NO	bd	bd	8.772
3	Total-hexadioxins	34.86	3.027e3	2.712e3	1.007	1.12	1.24	39.4	YES	NO	bb	bb	1.489
4	124679-HXCDD	34.09	1.648e4	1.332e4	1.033	1.24	1.24	204.6	YES	NO	bb	bb	7.544
5	123789-HxCDD	36.60	3.173e3	2.688e3	0.985	1.18	1.24	44.5	YES	NO	bb	bb	1.554
6	123678-HxCDD	36.22	6.190e3	4.788e3	1.021	1.29	1.24	81.8	YES	NO	dd	db	2.807
7	123478-HxCDD	36.10	1.500e3	1.083e3	0.987	1.38	1.24	19.3	YES	NO	bd	bd	0.684

HPD

	Compound	RT	Ion1Area	Ion2Area	RRF	Ratio	Pred R	S/N 1	SNFlag	EMPC	Int.1	Int.2	pg
1	1234678-HpCDD	40.35	1.256e5	1.224e5	1.253	1.03	1.05	970.6	YES	NO	bd	bb	79.516
2	1234679-HPCDD	39.30	1.612e5	1.553e5	1.286	1.04	1.05	1322.0	YES	NO	bb	bb	98.849

ID: 22L0307-29, Name: 23020727, Date: 08-Feb-2023, Time: 06:38:52, Conditions: AUTOSPEC01, User: pk

Dioxins,TD,PD,HD,HPD,OD

	Compound	RT	Ion1Area	Ion2Area	RRF	Ratio	Pred R	S/N 1	SNFlag	EMPC	Int.1	Int.2	pg
1	2378-TCDD	26.50	4.286e2	6.202e2	1.236	0.69	0.77	6.3	YES	NO	MM	bd	0.211
2	Total-tetradioxins	23.90	7.822e2	1.043e3	1.099	0.75	0.77	16.7	YES	NO	bb	bb	0.414
3	12378-PeCDD	31.61	1.373e3	8.669e2	1.087	1.58	1.55	17.1	YES	NO	bb	bb	0.665
4	Total-pentadioxins	30.37	8.991e2	6.117e2	1.392	1.47	1.55	11.8	YES	NO	bb	db	0.350
5	Total-pentadioxins	30.23	1.166e3	8.467e2	1.392	1.38	1.55	14.1	YES	NO	bb	MM	0.466
6	Total-pentadioxins	30.01	1.069e3	7.911e2	1.392	1.35	1.55	16.1	YES	NO	bb	bb	0.431
7	Total-hexadioxins	35.32	1.278e3	1.031e3	1.007	1.24	1.24	15.9	YES	NO	db	db	0.599
8	Total-hexadioxins	35.22	1.880e4	1.500e4	1.007	1.25	1.24	165.0	YES	NO	bd	bd	8.772
9	Total-hexadioxins	34.86	3.027e3	2.712e3	1.007	1.12	1.24	39.4	YES	NO	bb	bb	1.489
10	124679-HXCDD	34.09	1.648e4	1.332e4	1.033	1.24	1.24	204.6	YES	NO	bb	bb	7.544
11	123789-HxCDD	36.60	3.173e3	2.688e3	0.985	1.18	1.24	44.5	YES	NO	bb	bb	1.554
12	123678-HxCDD	36.22	6.190e3	4.788e3	1.021	1.29	1.24	81.8	YES	NO	dd	db	2.807
13	123478-HxCDD	36.10	1.500e3	1.083e3	0.987	1.38	1.24	19.3	YES	NO	bd	bd	0.684
14	OCDD	45.13	9.219e5	1.046e6	1.103	0.88	0.89	5558.1	YES	NO	bb	bb	834.977
15	1234678-HpCDD	40.35	1.256e5	1.224e5	1.253	1.03	1.05	970.6	YES	NO	bd	bb	79.516
16	1234679-HPCDD	39.30	1.612e5	1.553e5	1.286	1.04	1.05	1322.0	YES	NO	bb	bb	98.849

ID: 22L0307-29, Name: 23020727, Date: 08-Feb-2023, Time: 06:38:52, Conditions: AUTOSPEC01, User: pk

TotalTEQ,Furans,Dioxins

	Compound	RT	Ion1Area	Ion2Area	RRF	Ratio	Pred R	S/N 1	SNFlag	EMPC	Int.1	Int.2	pg
1	Total-tetrafurans	24.10	1.776e3	2.276e3	0.933	0.78	0.77	28.3	YES	NO	dd	db	0.819
2	Total-tetrafurans	23.96	8.574e2	1.060e3	0.933	0.81	0.77	14.4	YES	NO	dd	dd	0.387
3	Total-tetrafurans	23.86	1.173e3	1.760e3	0.933	0.67	0.77	19.3	YES	NO	dd	bd	0.593
4	Total-tetrafurans	23.69	3.182e2	3.895e2	0.933	0.82	0.77	6.3	YES	NO	dd	db	0.143
5	Total-tetrafurans	23.60	1.560e3	2.188e3	0.933	0.71	0.77	27.3	YES	NO	dd	dd	0.757
6	Total-tetrafurans	23.51	1.012e3	1.154e3	0.933	0.88	0.77	21.1	YES	NO	dd	dd	0.438
7	Total-tetrafurans	23.31	3.295e2	4.437e2	0.933	0.74	0.77	7.2	YES	NO	dd	dd	0.156
8	Total-tetrafurans	23.19	2.101e3	2.627e3	0.933	0.80	0.77	34.2	YES	NO	bd	bd	0.955
9	Total-tetrafurans	25.99	9.135e2	1.277e3	0.933	0.72	0.77	15.1	YES	NO	dd	dd	0.443
10	2378-TCDF	25.87	1.139e3	1.507e3	0.876	0.76	0.77	19.0	YES	NO	bd	bd	0.569
11	Total-tetrafurans	25.38	2.560e2	3.750e2	0.933	0.68	0.77	3.9	YES	NO	db	bb	0.128
12	Total-tetrafurans	25.20	5.781e2	8.430e2	0.933	0.69	0.77	9.7	YES	NO	bd	bb	0.287
13	Total-tetrafurans	24.96	9.027e2	1.359e3	0.933	0.66	0.77	15.0	YES	NO	db	bb	0.457
14	Total-tetrafurans	24.76	1.592e3	1.873e3	0.933	0.85	0.77	27.6	YES	NO	dd	db	0.700
15	Total-tetrafurans	24.37	2.129e2	2.770e2	0.933	0.77	0.77	3.5	YES	NO	dd	bd	0.099
16	Total-pentafurans	28.78	2.013e3	1.398e3	0.866	1.44	1.55	19.3	YES	NO	dd	dd	0.848
17	23478-PeCDF	31.36	1.870e3	1.330e3	0.911	1.41	1.55	26.2	YES	NO	db	db	0.779
18	Total-pentafurans	30.23	1.176e3	8.402e2	0.866	1.40	1.55	20.8	YES	NO	bb	bd	0.501
19	Total-pentafurans	29.67	1.252e3	8.221e2	0.866	1.52	1.55	16.7	YES	NO	dd	bd	0.516
20	123478-HxCDF	34.98	8.802e3	7.227e3	1.182	1.22	1.24	159.2	YES	NO	bd	bd	3.450
21	Total-hexafurans	34.36	3.351e4	2.685e4	1.208	1.25	1.24	621.1	YES	NO	bd	bb	13.192
22	Total-hexafurans	34.05	8.801e2	6.368e2	1.208	1.38	1.24	15.5	YES	NO	bb	bb	0.332
23	Total-hexafurans	33.54	1.999e4	1.606e4	1.208	1.24	1.24	349.1	YES	NO	db	db	7.881
24	123468-HXCDF	33.32	5.677e3	4.609e3	1.197	1.23	1.24	102.5	YES	NO	bd	bd	2.185
25	234678-HxCDF	35.94	3.713e3	3.061e3	1.229	1.21	1.24	48.9	YES	NO	bb	MM	1.470
26	1234789-HpCDF	41.10	3.324e3	3.117e3	1.165	1.07	1.05	53.5	YES	NO	bb	bb	2.111
27	Total-heptafurans	39.51	8.969e4	9.230e4	1.185	0.97	1.05	1604.6	YES	NO	bd	bd	54.307
28	1234678-HpCDF	38.85	3.447e4	3.413e4	1.204	1.01	1.05	626.9	YES	NO	bb	bb	18.750
29	OCDF	45.37	7.996e4	9.201e4	1.186	0.87	0.89	1091.4	YES	NO	bb	bb	67.828
30	Total-penta1	27.29	1.298e4	8.642e3		1.50	1.55	254.0	YES	NO	bb	bb	4.940
31	Total-pentafurans	28.96	8.626e3	5.435e3	0.866	1.59	1.55	87.6	YES	NO	MM	MM	3.497
32	2378-TCDD	26.50	4.286e2	6.202e2	1.236	0.69	0.77	6.3	YES	NO	MM	bd	0.211
33	Total-tetradioxins	23.90	7.822e2	1.043e3	1.099	0.75	0.77	16.7	YES	NO	bb	bb	0.414
34	12378-PeCDD	31.61	1.373e3	8.669e2	1.087	1.58	1.55	17.1	YES	NO	bb	bb	0.665
35	Total-pentadioxins	30.37	8.991e2	6.117e2	1.392	1.47	1.55	11.8	YES	NO	bb	db	0.350
36	Total-pentadioxins	30.23	1.166e3	8.467e2	1.392	1.38	1.55	14.1	YES	NO	bb	MM	0.466
37	Total-pentadioxins	30.01	1.069e3	7.911e2	1.392	1.35	1.55	16.1	YES	NO	bb	bb	0.431

ID: 22L0307-29, Name: 23020727, Date: 08-Feb-2023, Time: 06:38:52, Conditions: AUTOSPEC01, User: pk

TotalTEQ,Furans,Dioxins

	Compound	RT	Ion1Area	Ion2Area	RRF	Ratio	Pred R	S/N 1	SNFlag	EMPC	Int.1	Int.2	pg
38	Total-hexadioxins	35.32	1.278e3	1.031e3	1.007	1.24	1.24	15.9	YES	NO	db	db	0.599
39	Total-hexadioxins	35.22	1.880e4	1.500e4	1.007	1.25	1.24	165.0	YES	NO	bd	bd	8.772
40	Total-hexadioxins	34.86	3.027e3	2.712e3	1.007	1.12	1.24	39.4	YES	NO	bb	bb	1.489
41	124679-HXCDD	34.09	1.648e4	1.332e4	1.033	1.24	1.24	204.6	YES	NO	bb	bb	7.544
42	123789-HxCDD	36.60	3.173e3	2.688e3	0.985	1.18	1.24	44.5	YES	NO	bb	bb	1.554
43	123678-HxCDD	36.22	6.190e3	4.788e3	1.021	1.29	1.24	81.8	YES	NO	dd	db	2.807
44	123478-HxCDD	36.10	1.500e3	1.083e3	0.987	1.38	1.24	19.3	YES	NO	bd	bd	0.684
45	OCDD	45.13	9.219e5	1.046e6	1.103	0.88	0.89	5558.1	YES	NO	bb	bb	834.977
46	1234678-HpCDD	40.35	1.256e5	1.224e5	1.253	1.03	1.05	970.6	YES	NO	bd	bb	79.516
47	1234679-HPCDD	39.30	1.612e5	1.553e5	1.286	1.04	1.05	1322.0	YES	NO	bb	bb	98.849

PFK1

	Compound	RT	Ion1Area	Ion2Area	RRF	Ratio	Pred R	S/N 1	SNFlag	EMPC	Int.1	Int.2	pg
1	FUNCTION1 PFK	22.54	7.557e4					1.9	NO		bb		
2	FUNCTION1 PFK	22.24	3.015e4					1.6	NO		db		
3	FUNCTION1 PFK	22.19	2.549e4					1.6	NO		bd		
4	FUNCTION1 PFK	22.07	4.671e4					1.2	NO		bb		
5	FUNCTION1 PFK	21.92	6.900e4					3.3	YES		db		
6	FUNCTION1 PFK	21.74	1.522e6					9.9	YES		dd		
7	FUNCTION1 PFK	21.51	1.260e6					17.2	YES		bd		
8	FUNCTION1 PFK	21.35	1.228e6					18.4	YES		db		
9	FUNCTION1 PFK	21.21	2.068e6					20.7	YES		bd		
10	FUNCTION1 PFK	27.47	4.514e3					0.6	NO		bb		
11	FUNCTION1 PFK	26.89	2.093e4					1.4	NO		bb		
12	FUNCTION1 PFK	24.94	2.367e4					1.1	NO		bb		
13	FUNCTION1 PFK	24.73	1.530e4					1.0	NO		bb		
14	FUNCTION1 PFK	23.96	1.087e4					0.9	NO		bb		
15	FUNCTION1 PFK	23.45	5.605e3					0.7	NO		bb		
16	FUNCTION1 PFK	23.37	1.360e4					0.9	NO		bb		
17	FUNCTION1 PFK	23.25	4.968e3					0.6	NO		bb		
18	FUNCTION1 PFK	22.92	1.779e4					1.1	NO		bb		
19	FUNCTION1 PFK	22.77	4.344e3					0.5	NO		bb		

ID: 22L0307-29, Name: 23020727, Date: 08-Feb-2023, Time: 06:38:52, Conditions: AUTOSPEC01, User: pk

PFK2

	Compound	RT	Ion1Area	Ion2Area	RRF	Ratio	Pred R	S/N 1	SNFlag	EMPC	Int.1	Int.2	pg
1	FUNCTION2 PFK	29.81	2.059e3					0.7	NO		bb		0.000
2	FUNCTION2 PFK	29.59	9.150e3					1.0	NO		bb		0.000
3	FUNCTION2 PFK	29.41	4.197e4					3.3	YES		bb		0.000
4	FUNCTION2 PFK	28.90	8.305e3					1.6	NO		bb		0.000
5	FUNCTION2 PFK	28.31	6.795e3					1.3	NO		bb		0.000
6	FUNCTION2 PFK	32.78	3.700e3					0.9	NO		bd		0.000
7	FUNCTION2 PFK	32.62	1.577e4					2.6	NO		bb		0.000
8	FUNCTION2 PFK	32.50	2.280e3					0.9	NO		bb		0.000
9	FUNCTION2 PFK	32.25	6.859e3					1.8	NO		bb		0.000
10	FUNCTION2 PFK	32.08	3.873e3					1.3	NO		bb		0.000
11	FUNCTION2 PFK	31.39	1.079e4					2.1	NO		bb		0.000
12	FUNCTION2 PFK	31.31	4.700e3					1.1	NO		db		0.000
13	FUNCTION2 PFK	31.29	4.278e3					1.4	NO		bd		0.000
14	FUNCTION2 PFK	31.03	3.671e3					1.1	NO		bb		0.000
15	FUNCTION2 PFK	30.94	1.046e4					2.0	NO		bb		0.000
16	FUNCTION2 PFK	30.86	5.873e3					1.6	NO		bb		0.000
17	FUNCTION2 PFK	30.54	6.098e3					1.1	NO		db		0.000
18	FUNCTION2 PFK	30.47	1.057e3					0.6	NO		bd		0.000
19	FUNCTION2 PFK	30.37	5.631e3					0.9	NO		bb		0.000
20	FUNCTION2 PFK	30.29	1.462e4					2.2	NO		bb		0.000
21	FUNCTION2 PFK	30.22	1.744e4					2.7	NO		bb		0.000
22	FUNCTION2 PFK	32.80	5.575e3					1.6	NO		db		0.000

ID: 22L0307-29, Name: 23020727, Date: 08-Feb-2023, Time: 06:38:52, Conditions: AUTOSPEC01, User: pk

PFK3

	Compound	RT	Ion1Area	Ion2Area	RRF	Ratio	Pred R	S/N 1	SNFlag	EMPC	Int.1	Int.2	pg
1	FUNCTION3 PFK	34.61	1.150e4					1.5	NO		bb		0.000
2	FUNCTION3 PFK	34.12	2.219e4					3.0	NO		db		0.000
3	FUNCTION3 PFK	34.04	5.969e4					4.9	YES		dd		0.000
4	FUNCTION3 PFK	33.99	3.434e4					5.4	YES		dd		0.000
5	FUNCTION3 PFK	33.93	1.180e5					7.4	YES		dd		0.000
6	FUNCTION3 PFK	33.83	2.504e5					11.2	YES		dd		0.000
7	FUNCTION3 PFK	33.66	4.355e5					15.2	YES		dd		0.000
8	FUNCTION3 PFK	33.54	3.488e5					18.3	YES		dd		0.000
9	FUNCTION3 PFK	33.45	3.588e5					20.6	YES		dd		0.000
10	FUNCTION3 PFK	33.40	1.918e5					21.8	YES		dd		0.000
11	FUNCTION3 PFK	33.24	1.021e6					26.9	YES		dd		0.000
12	FUNCTION3 PFK	33.12	4.590e5					29.8	YES		dd		0.000
13	FUNCTION3 PFK	33.05	6.121e5					30.7	YES		dd		0.000
14	FUNCTION3 PFK	32.93	5.071e5					33.4	YES		bd		0.000
15	FUNCTION3 PFK	37.29	1.019e3					0.4	NO		bb		0.000
16	FUNCTION3 PFK	37.03	7.305e3					1.2	NO		bb		0.000
17	FUNCTION3 PFK	36.88	3.690e4					4.2	YES		db		0.000
18	FUNCTION3 PFK	36.83	8.212e4					4.3	YES		bd		0.000
19	FUNCTION3 PFK	36.61	8.088e2					0.4	NO		bb		0.000
20	FUNCTION3 PFK	36.48	1.344e4					1.4	NO		db		0.000
21	FUNCTION3 PFK	36.40	1.314e4					1.7	NO		bd		0.000
22	FUNCTION3 PFK	35.50	1.049e4					1.8	NO		db		0.000
23	FUNCTION3 PFK	35.44	1.496e4					2.1	NO		bd		0.000
24	FUNCTION3 PFK	35.37	8.496e3					1.4	NO		bb		0.000
25	FUNCTION3 PFK	35.33	3.132e3					0.8	NO		bb		0.000
26	FUNCTION3 PFK	35.20	8.461e3					1.2	NO		bb		0.000
27	FUNCTION3 PFK	35.11	6.901e3					0.9	NO		bb		0.000
28	FUNCTION3 PFK	35.06	6.558e3					1.4	NO		bb		0.000
29	FUNCTION3 PFK	35.01	1.748e4					1.8	NO		bb		0.000
30	FUNCTION3 PFK	34.67	6.871e3					1.1	NO		bb		0.000
31	FUNCTION3 PFK	37.90	1.933e4					1.8	NO		bb		0.000

ID: 22L0307-29, Name: 23020727, Date: 08-Feb-2023, Time: 06:38:52, Conditions: AUTOSPEC01, User: pk

PFK4

	Compound	RT	Ion1Area	Ion2Area	RRF	Ratio	Pred R	S/N 1	SNFlag	EMPC	Int.1	Int.2	pg
1	FUNCTION4 PFK	40.53	5.095e3					1.1	NO		bb		
2	FUNCTION4 PFK	40.45	1.962e3					0.8	NO		bb		
3	FUNCTION4 PFK	39.60	8.075e3					1.6	NO		bb		
4	FUNCTION4 PFK	39.54	2.235e3					0.9	NO		bb		
5	FUNCTION4 PFK	39.47	4.358e3					1.1	NO		bb		
6	FUNCTION4 PFK	39.23	8.858e2					0.5	NO		bb		
7	FUNCTION4 PFK	39.13	1.223e4					1.5	NO		bb		
8	FUNCTION4 PFK	38.74	8.889e2					0.5	NO		bb		
9	FUNCTION4 PFK	38.69	5.338e3					1.2	NO		bb		
10	FUNCTION4 PFK	38.63	1.464e3					0.6	NO		bb		
11	FUNCTION4 PFK	38.25	1.209e4					2.8	NO		db		
12	FUNCTION4 PFK	38.19	3.127e4					4.0	YES		dd		
13	FUNCTION4 PFK	38.12	3.624e4					5.1	YES		dd		
14	FUNCTION4 PFK	38.10	4.977e4					5.1	YES		bd		
15	FUNCTION4 PFK	42.56	4.669e3					1.4	NO		bb		
16	FUNCTION4 PFK	42.32	9.611e3					1.5	NO		bb		
17	FUNCTION4 PFK	41.86	5.053e3					1.4	NO		bb		
18	FUNCTION4 PFK	41.70	9.097e3					2.0	NO		db		
19	FUNCTION4 PFK	41.68	9.031e3					1.8	NO		bd		
20	FUNCTION4 PFK	41.52	3.682e3					1.1	NO		bb		
21	FUNCTION4 PFK	41.06	8.020e3					1.5	NO		bb		
22	FUNCTION4 PFK	40.62	8.842e3					1.5	NO		bb		

ID: 22L0307-29, Name: 23020727, Date: 08-Feb-2023, Time: 06:38:52, Conditions: AUTOSPEC01, User: pk

PFK5

	Compound	RT	Ion1Area	Ion2Area	RRF	Ratio	Pred R	S/N 1	SNFlag	EMPC	Int.1	Int.2	pg
1	FUNCTION5 PFK	44.30	6.977e3					1.7	NO		bb		
2	FUNCTION5 PFK	44.05	9.974e2					0.7	NO		bb		
3	FUNCTION5 PFK	43.75	1.050e3					0.8	NO		bb		
4	FUNCTION5 PFK	43.63	3.390e3					1.5	NO		bb		
5	FUNCTION5 PFK	43.59	2.864e3					1.5	NO		bb		
6	FUNCTION5 PFK	43.49	8.820e3					2.1	NO		bb		
7	FUNCTION5 PFK	43.20	1.089e4					1.9	NO		bb		
8	FUNCTION5 PFK	46.33	1.144e3					0.7	NO		bb		
9	FUNCTION5 PFK	46.29	4.508e3					1.9	NO		bb		
10	FUNCTION5 PFK	46.10	3.457e3					1.5	NO		bb		
11	FUNCTION5 PFK	45.71	1.313e3					0.8	NO		bb		
12	FUNCTION5 PFK	45.59	6.338e3					2.2	NO		bb		
13	FUNCTION5 PFK	45.15	4.162e3					1.6	NO		bb		
14	FUNCTION5 PFK	45.05	1.360e3					0.9	NO		bb		
15	FUNCTION5 PFK	44.87	4.534e2					0.5	NO		bb		
16	FUNCTION5 PFK	44.74	2.513e3					1.3	NO		bb		
17	FUNCTION5 PFK	44.67	3.823e2					0.4	NO		bb		
18	FUNCTION5 PFK	44.61	2.454e3					0.9	NO		bb		

ETHERS1

	Compound	RT	Ion1Area	Ion2Area	RRF	Ratio	Pred R	S/N 1	SNFlag	EMPC	Int.1	Int.2	pg
1	FUNCTION1 HXCD...	24.81	8.220e1					1.9	NO		bb		0.000
2	FUNCTION1 HXCD...	23.84	2.165e2					3.6	YES		bb		0.000
3	FUNCTION1 HXCD...	22.65	7.179e1					1.8	NO		bb		0.000
4	FUNCTION1 HXCD...	22.42	1.841e2					4.7	YES		bb		0.000
5	FUNCTION1 HXCD...	26.52	1.359e2					2.3	NO		bb		0.000
6	FUNCTION1 HXCD...	26.00	2.170e2					6.2	YES		bb		0.000
7	FUNCTION1 HXCD...	25.35	7.642e1					1.8	NO		bb		0.000

ETHERS2

	Compound	RT	Ion1Area	Ion2Area	RRF	Ratio	Pred R	S/N 1	SNFlag	EMPC	Int.1	Int.2	pg
1	FUNCTION1 HPCD...	23.46	1.799e3					47.8	YES		bb		0.000
2	FUNCTION1 HPCD...	23.16	1.301e2					3.1	YES		bb		0.000
3	FUNCTION1 HPCD...	22.51	7.340e1					2.4	NO		bb		0.000
4	FUNCTION1 HPCD...	22.13	2.342e3					73.1	YES		bb		0.000

ID: 22L0307-29, Name: 23020727, Date: 08-Feb-2023, Time: 06:38:52, Conditions: AUTOSPEC01, User: pk

ETHERS3

	Compound	RT	Ion1Area	Ion2Area	RRF	Ratio	Pred R	S/N 1	SNFlag	EMPC	Int.1	Int.2	pg
1	FUNCTION2 HPCD...	29.58	8.067e1					2.1	NO		bb		0.000
2	FUNCTION2 HPCD...	29.05	7.557e1					2.1	NO		bb		0.000
3	FUNCTION2 HPCD...	28.70	1.569e2					4.3	YES		bb		0.000

ETHERS4

	Compound	RT	Ion1Area	Ion2Area	RRF	Ratio	Pred R	S/N 1	SNFlag	EMPC	Int.1	Int.2	pg
1	FUNCTION3 OCDPE	34.78	7.047e1					2.3	NO		bb		0.000
2	FUNCTION3 OCDPE	34.45	1.441e2					3.0	YES		bb		0.000

ETHERS5

	Compound	RT	Ion1Area	Ion2Area	RRF	Ratio	Pred R	S/N 1	SNFlag	EMPC	Int.1	Int.2	pg
1	FUNCTION4 NCDPE	40.34	1.037e2					3.2	YES		bb		0.000
2	FUNCTION4 NCDPE	38.48	4.464e3					115.1	YES		bb		0.000
3	FUNCTION4 NCDPE	38.09	8.085e1					4.1	YES		bb		0.000

ETHERS6

	Compound	RT	Ion1Area	Ion2Area	RRF	Ratio	Pred R	S/N 1	SNFlag	EMPC	Int.1	Int.2	pg
1													

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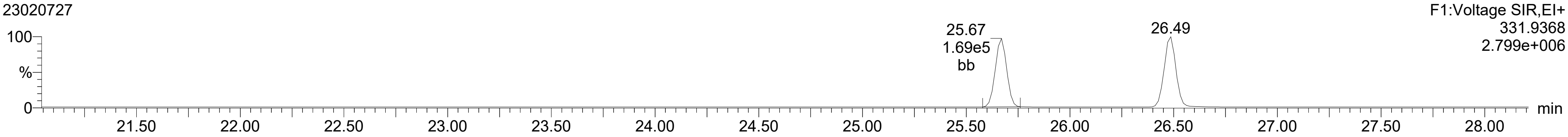
ID: 22L0307-29, Name: 23020727, Date: 08-Feb-2023, Time: 06:38:52, Conditions: AUTOSPEC01, User: pk

13C-1234-TCDD



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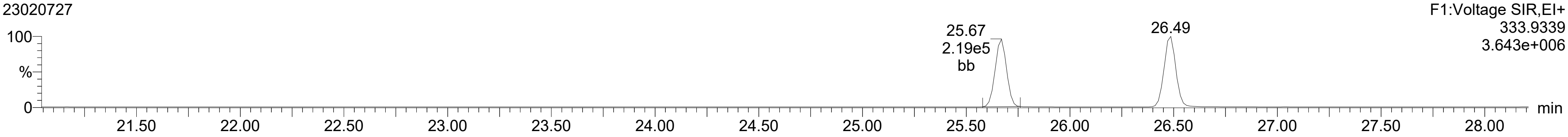

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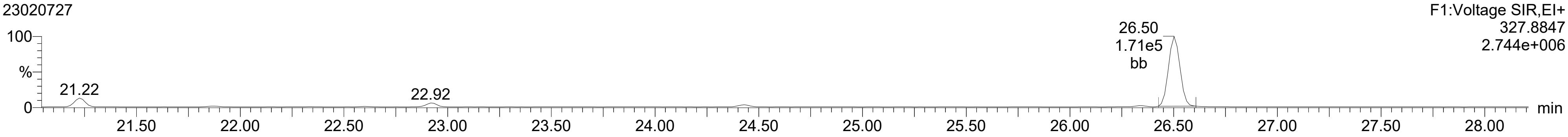

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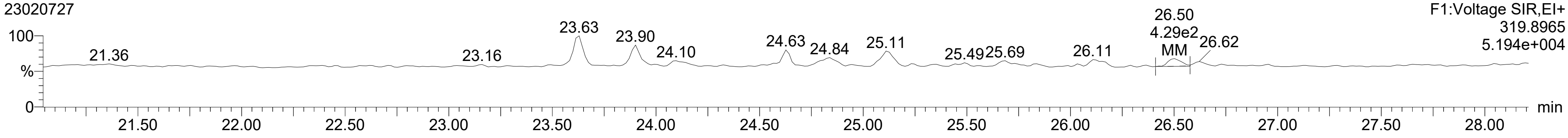

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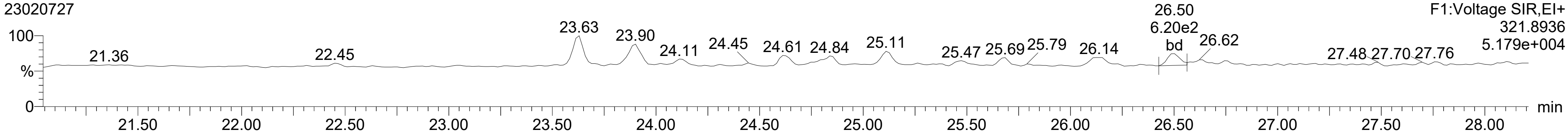

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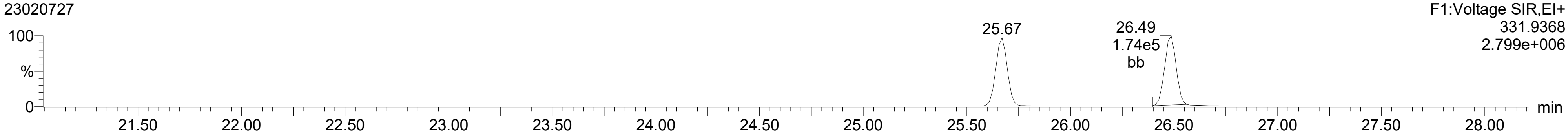

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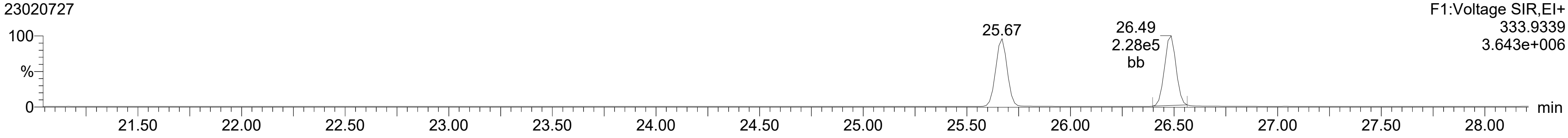

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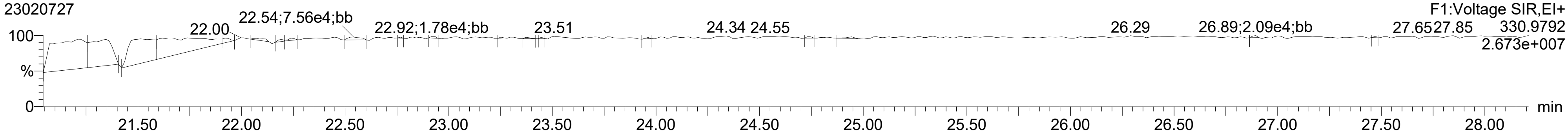
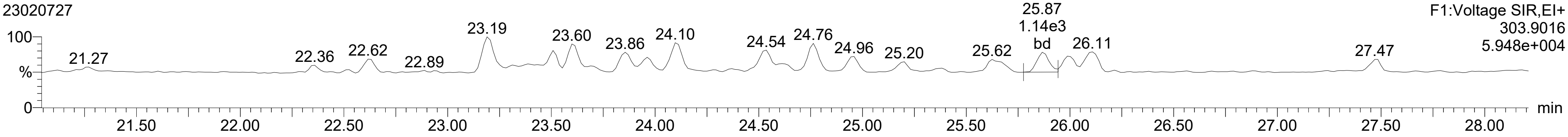


ID: 22L0307-29, Name: 23020727, Date: 08-Feb-2023, Time: 06:38:52, Conditions: AUTOSPEC01, User: pk

2378-TCDF



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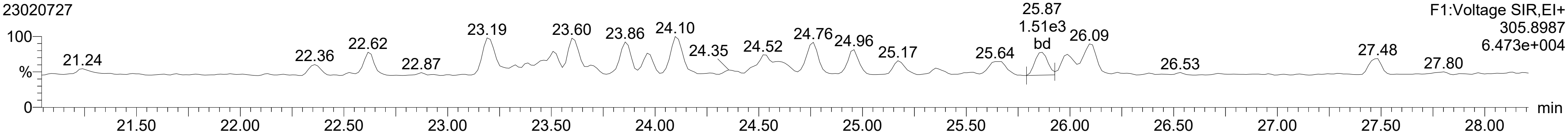

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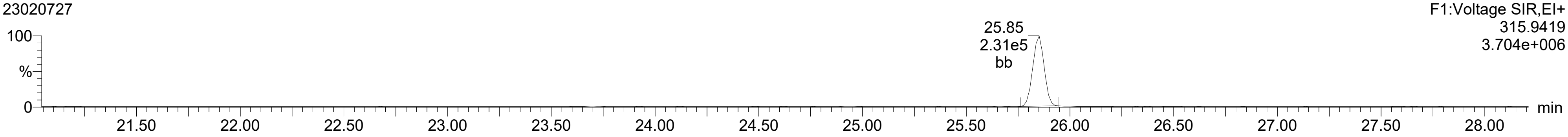

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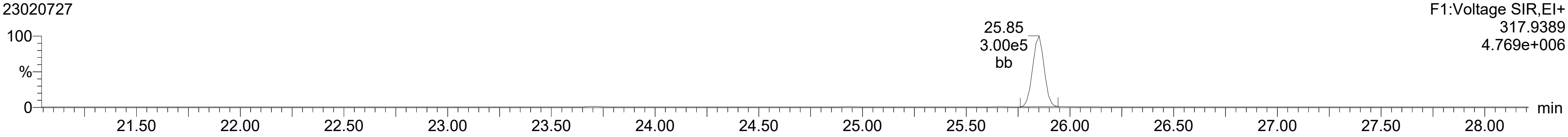

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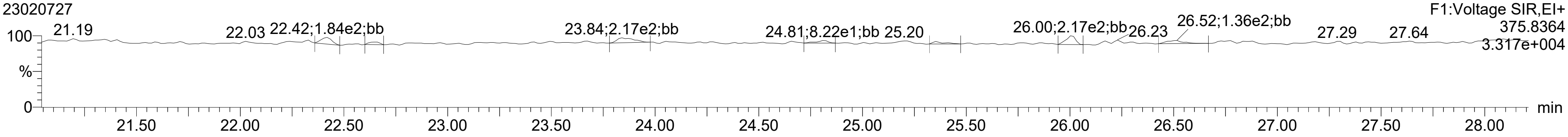
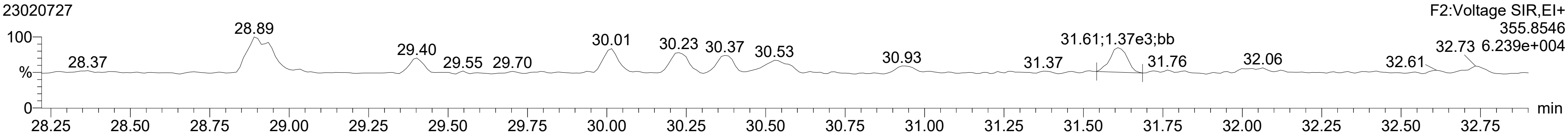


ID: 22L0307-29, Name: 23020727, Date: 08-Feb-2023, Time: 06:38:52, Conditions: AUTOSPEC01, User: pk

12378-PeCDD



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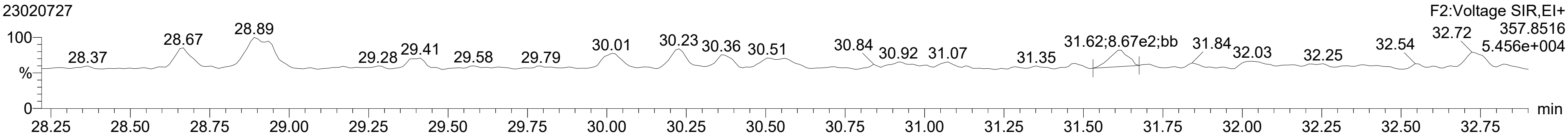

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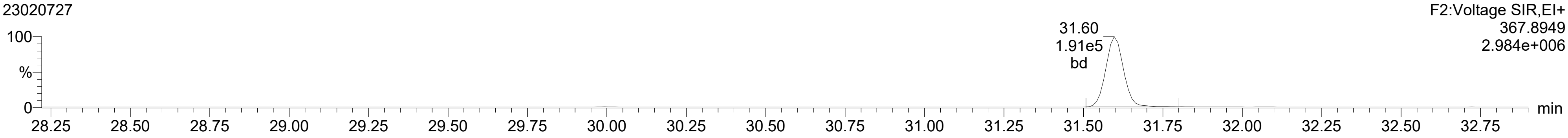

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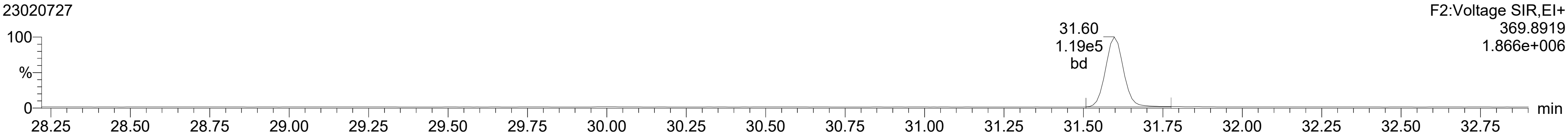

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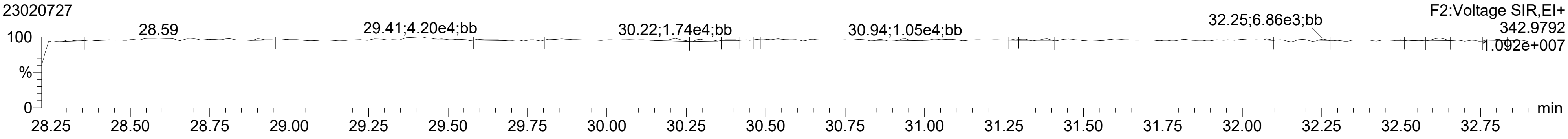

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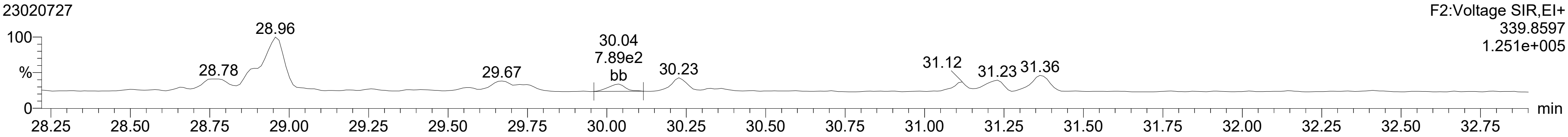
12378-PeCDF



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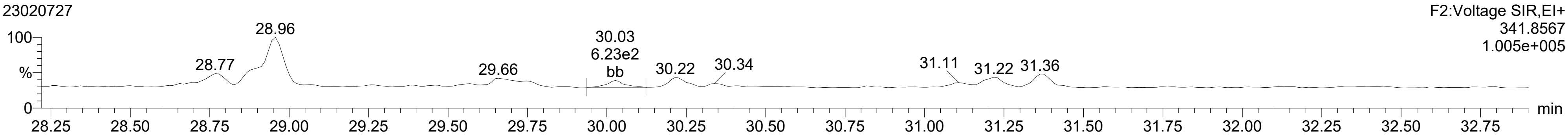

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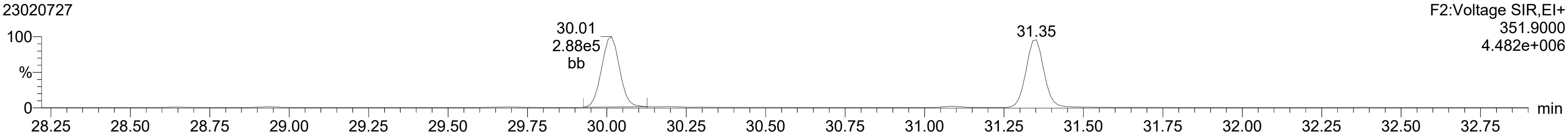

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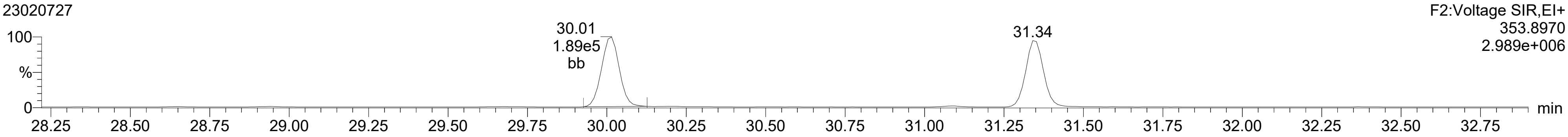

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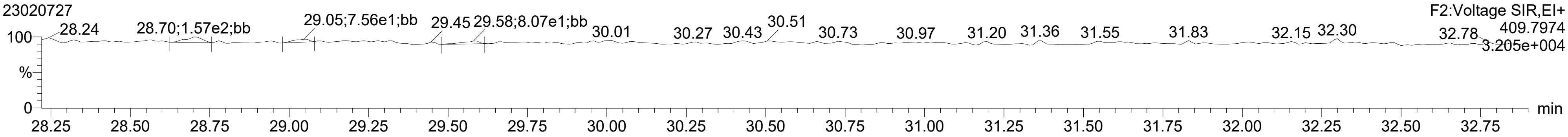

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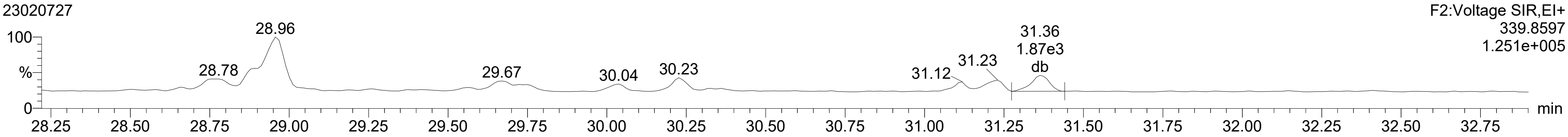

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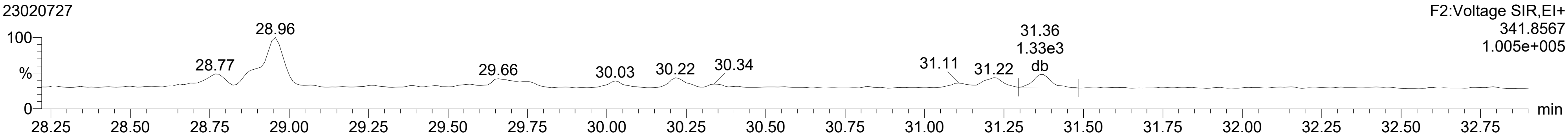

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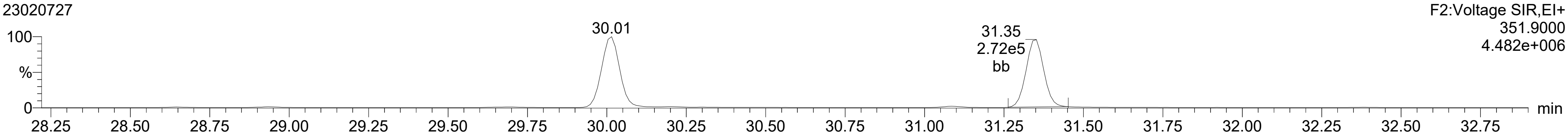

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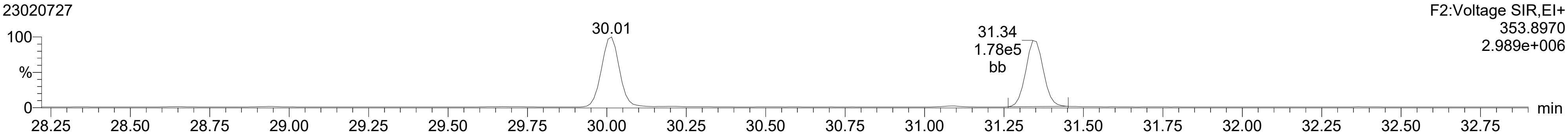

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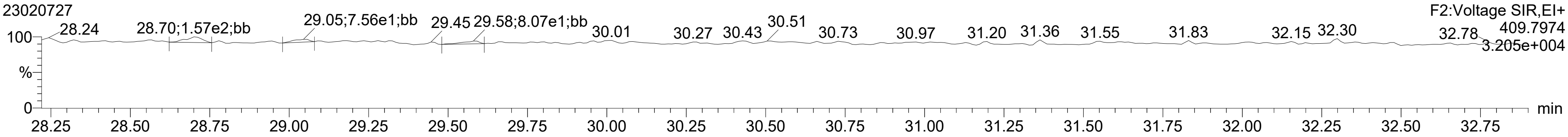

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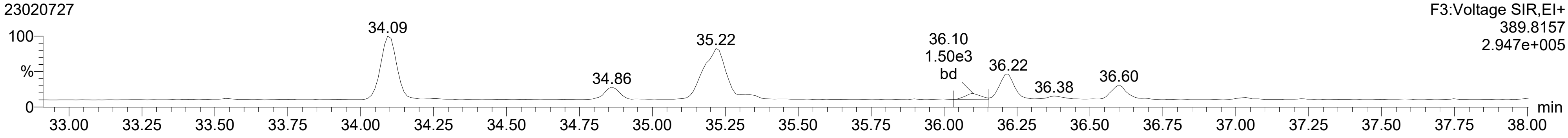

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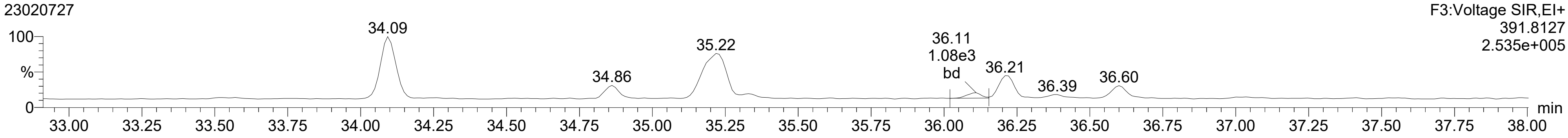

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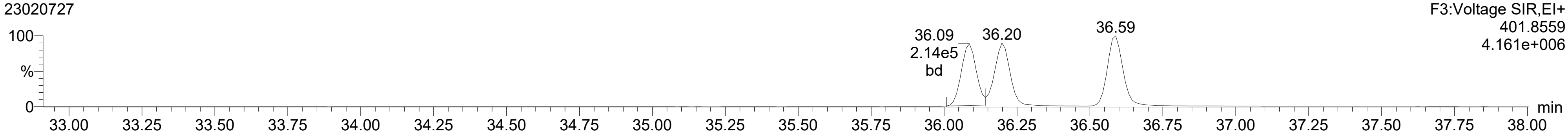

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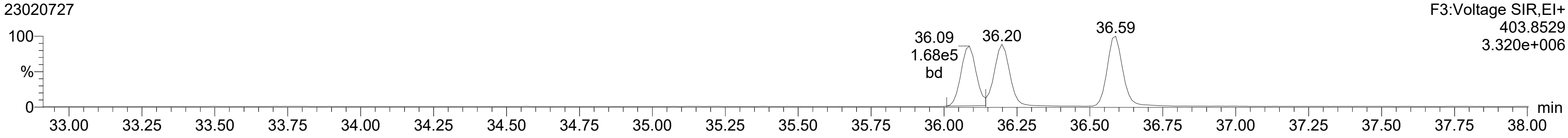

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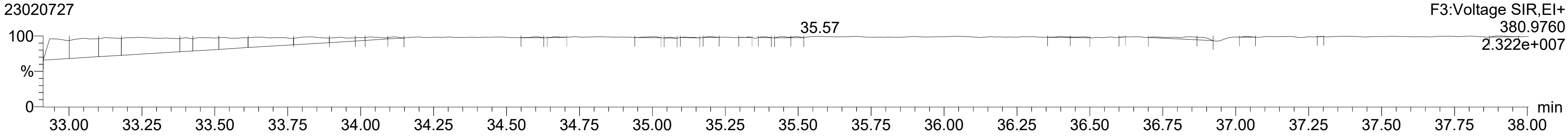

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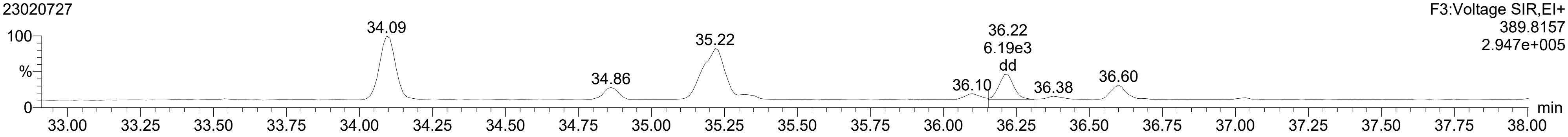

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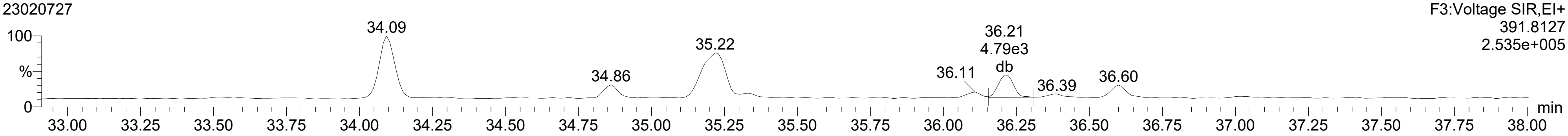

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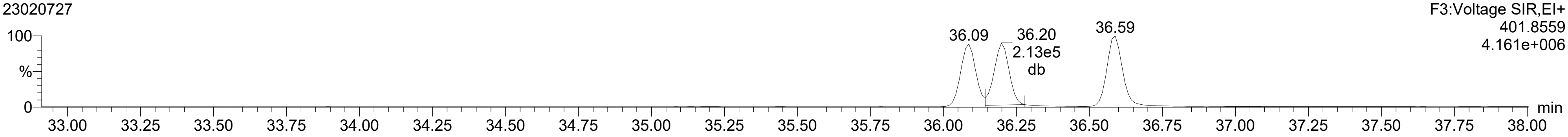

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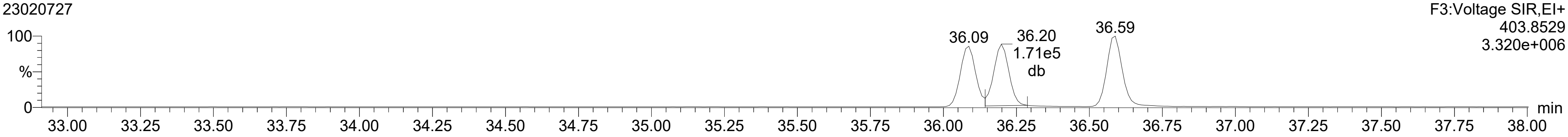

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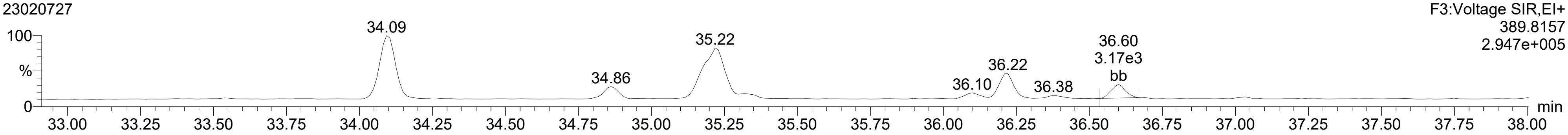

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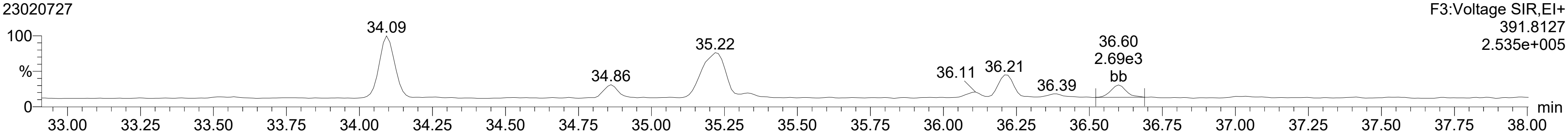

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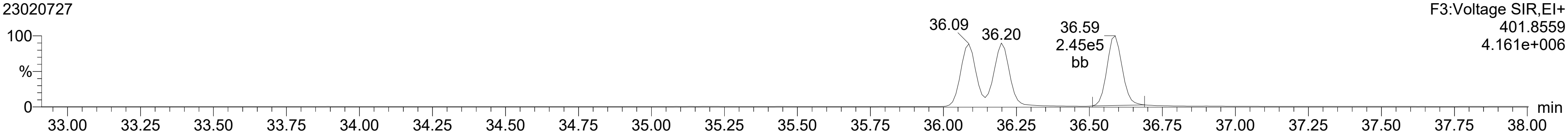

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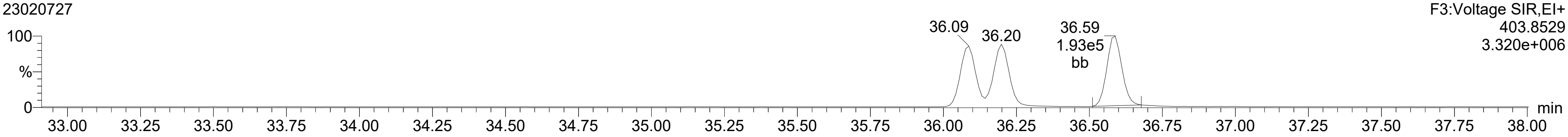

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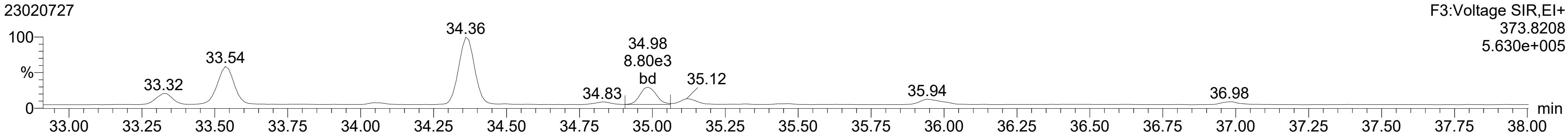

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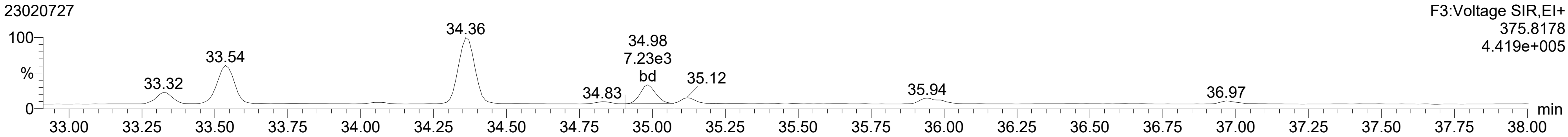

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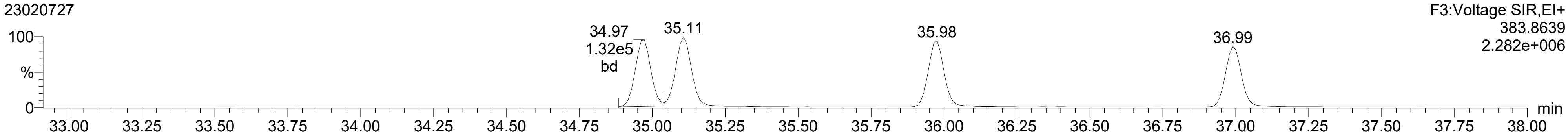

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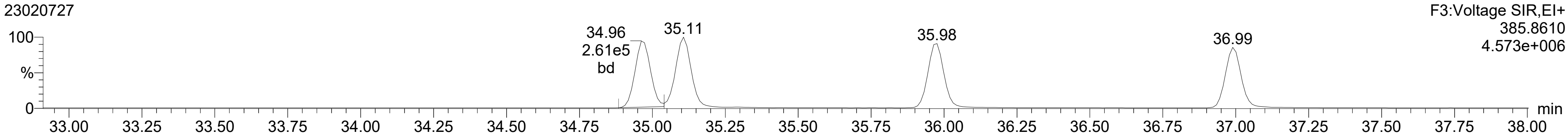

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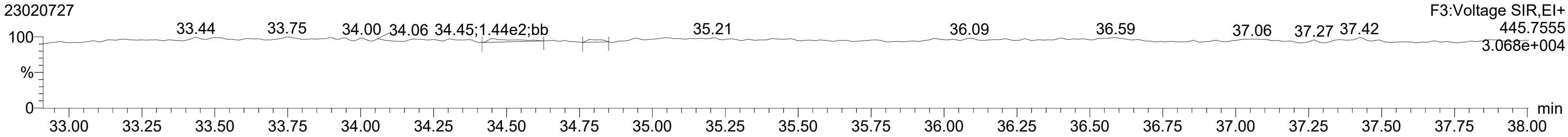

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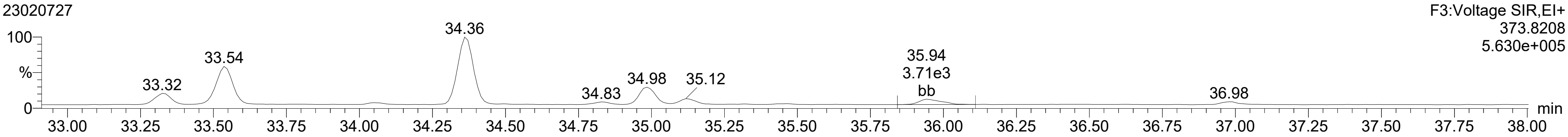

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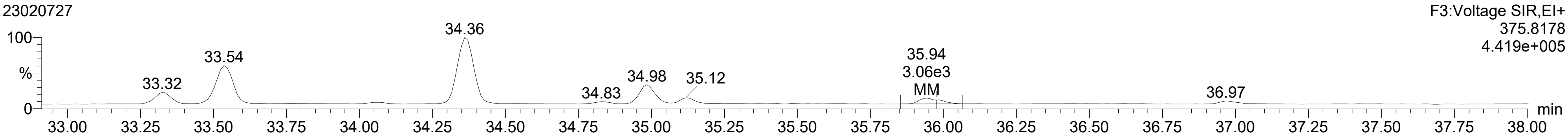

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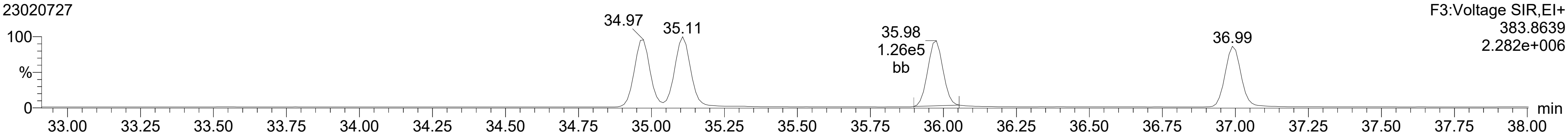

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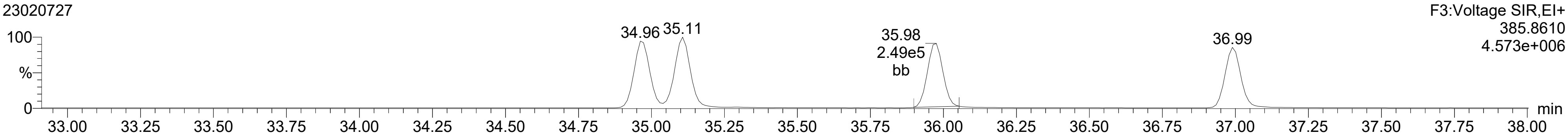

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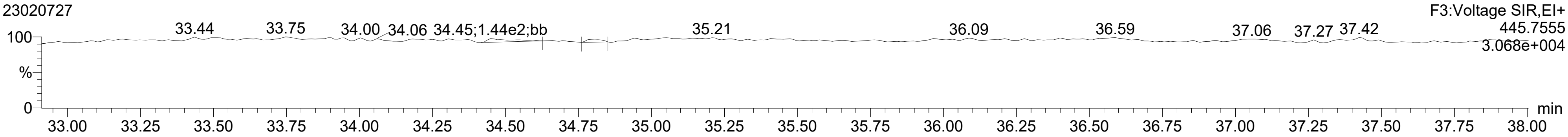

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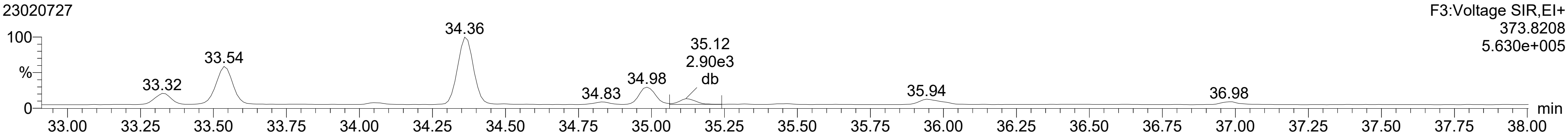

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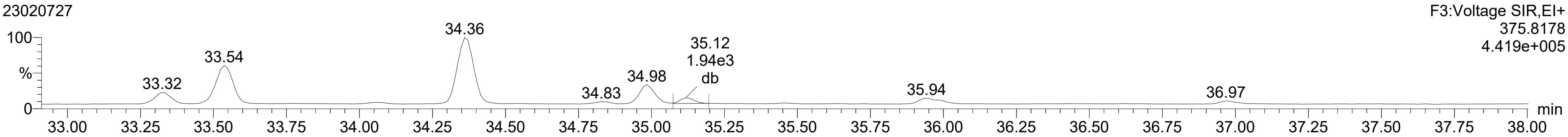

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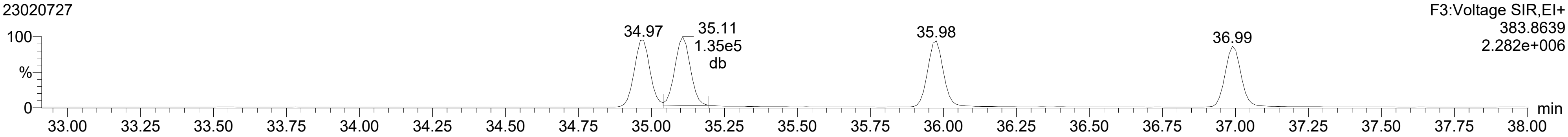

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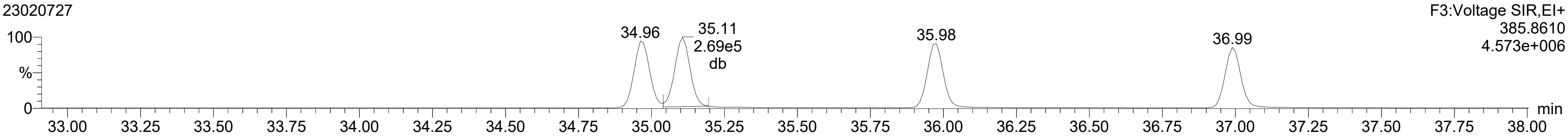

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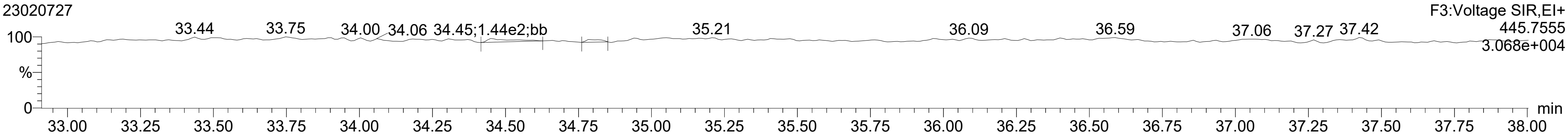

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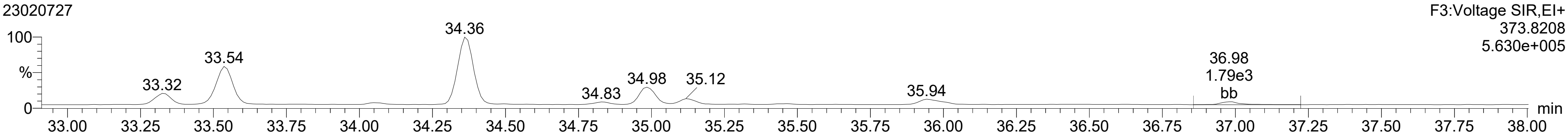

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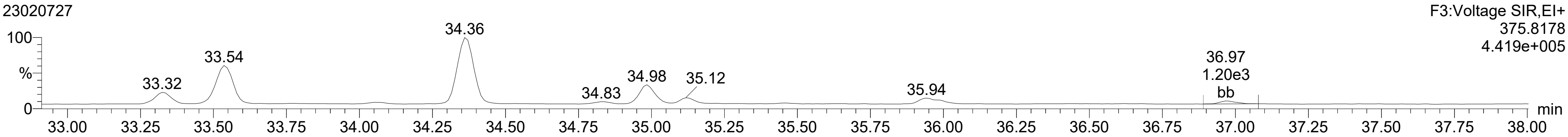

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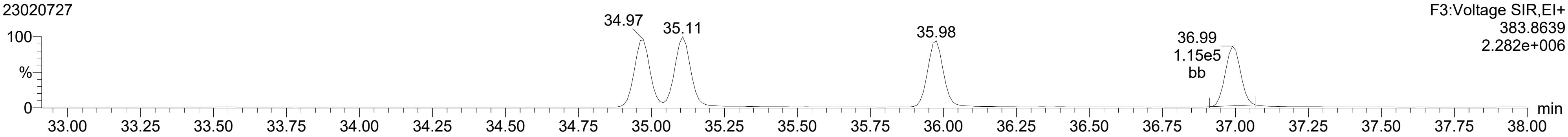

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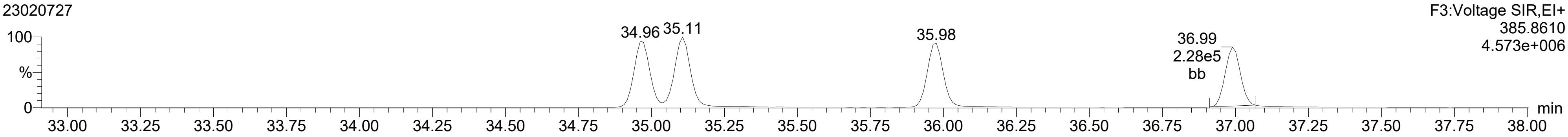

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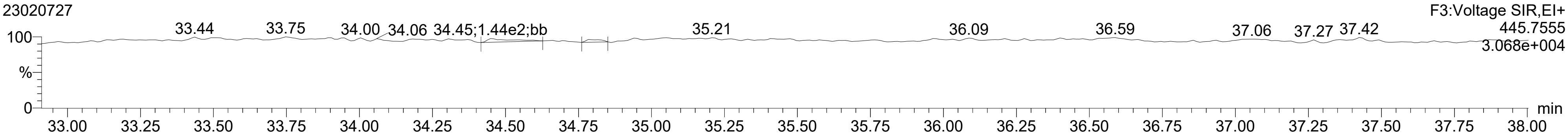

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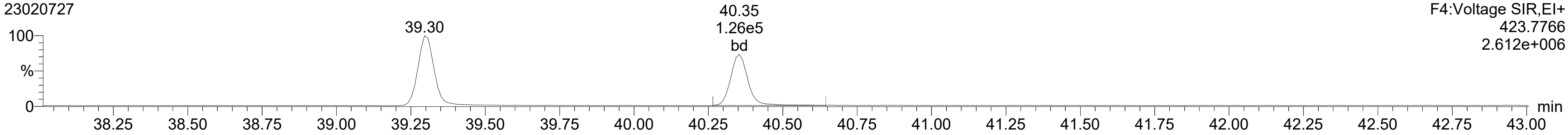

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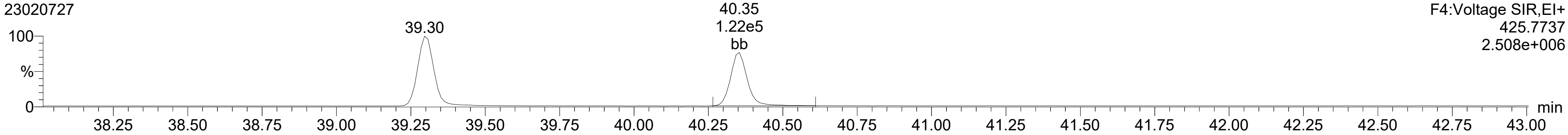

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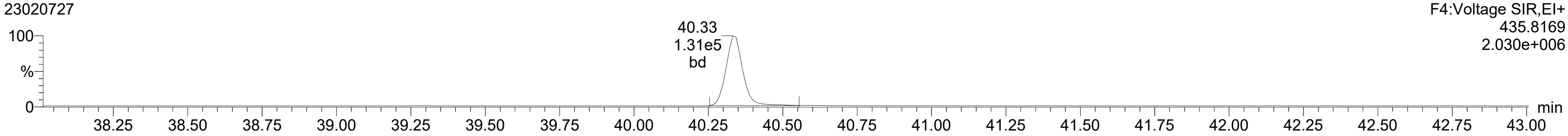

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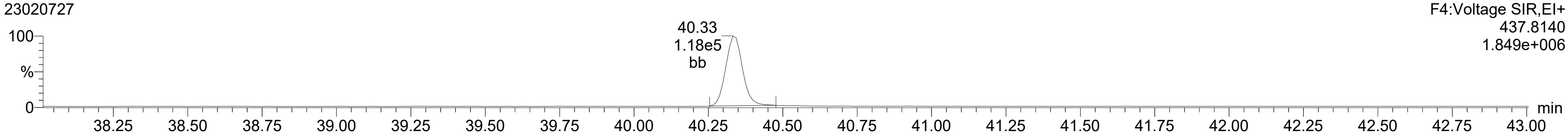

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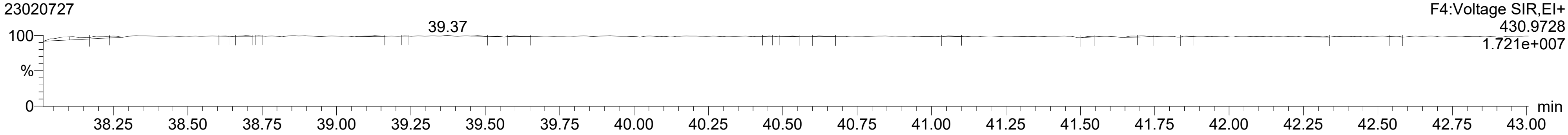

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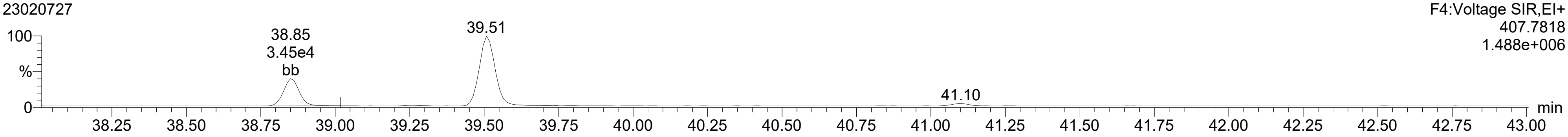

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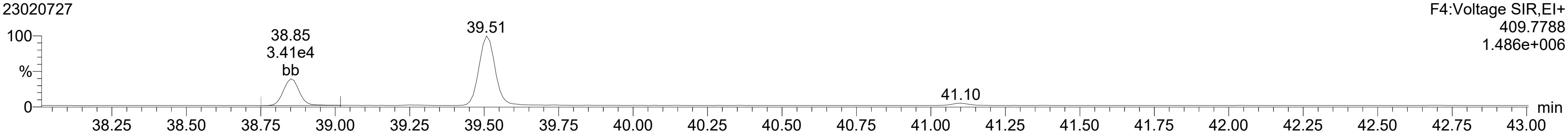

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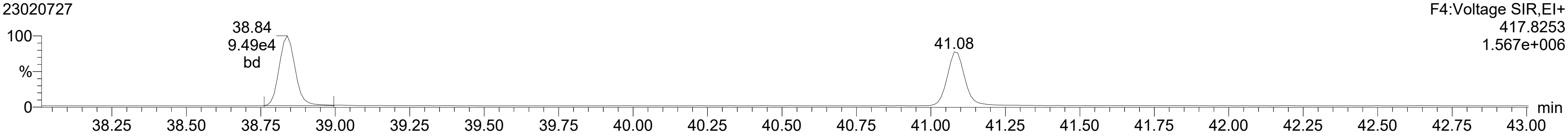

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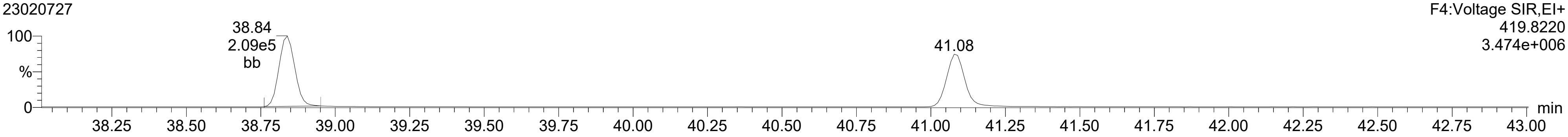

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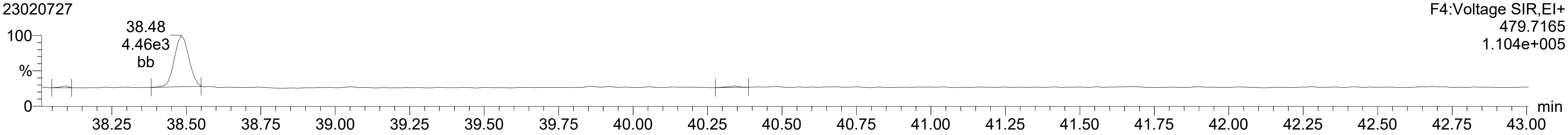

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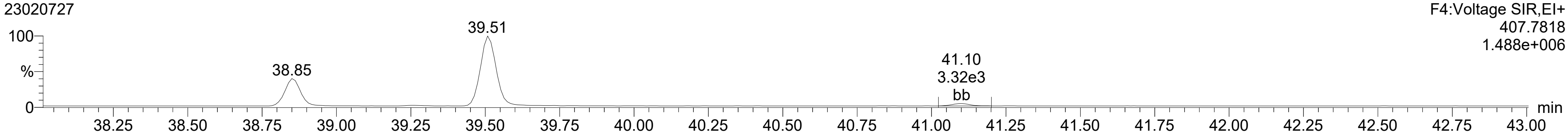

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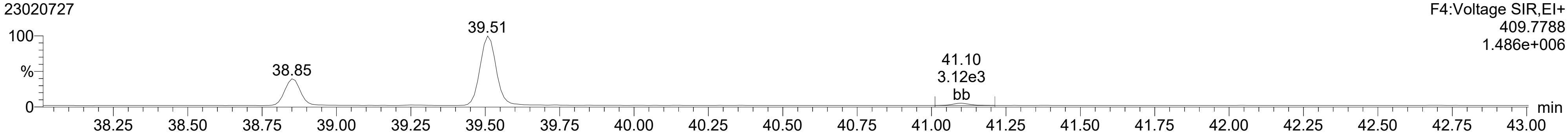

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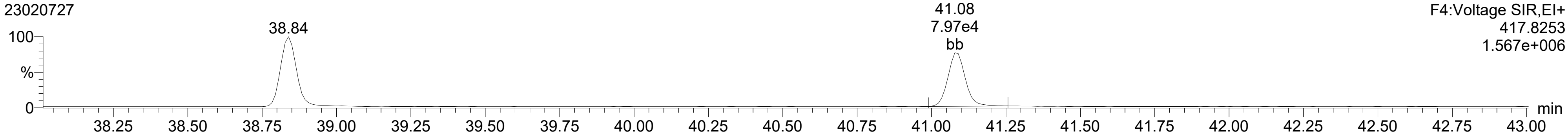

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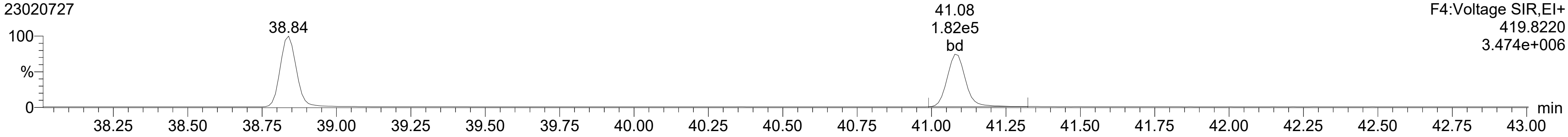

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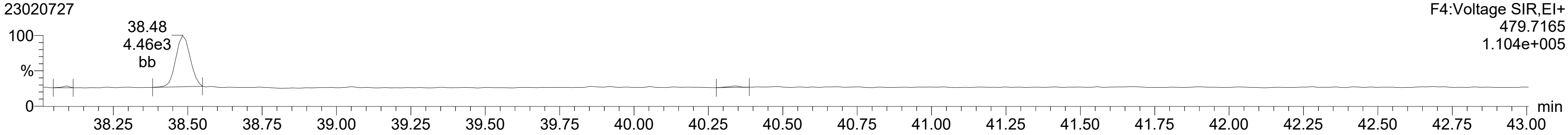

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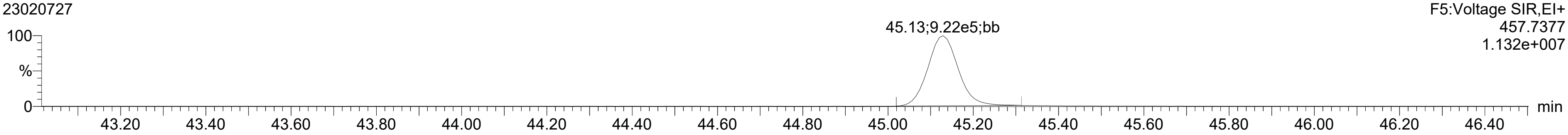

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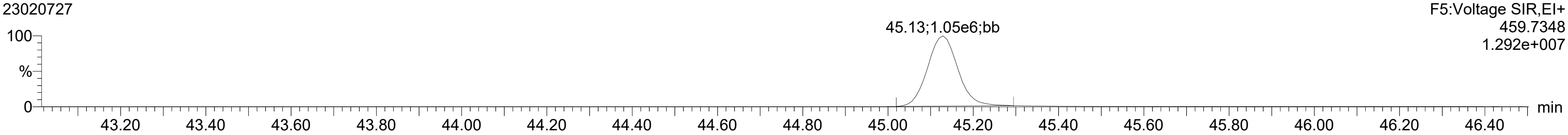

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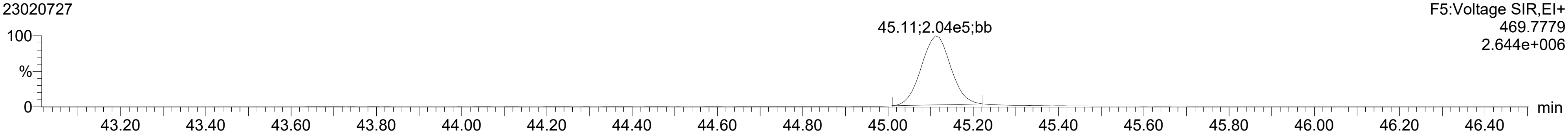

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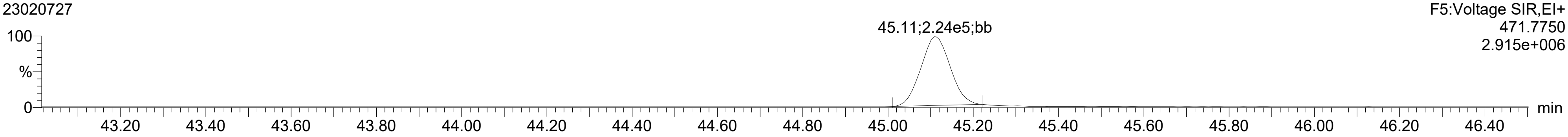
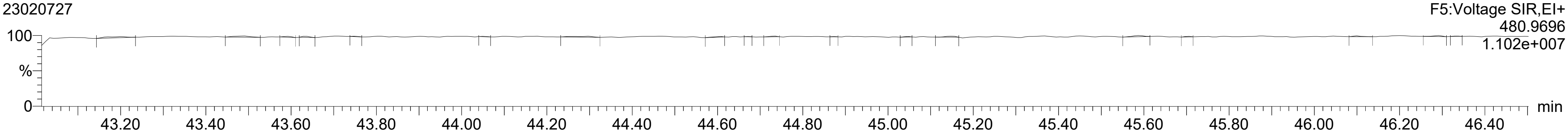
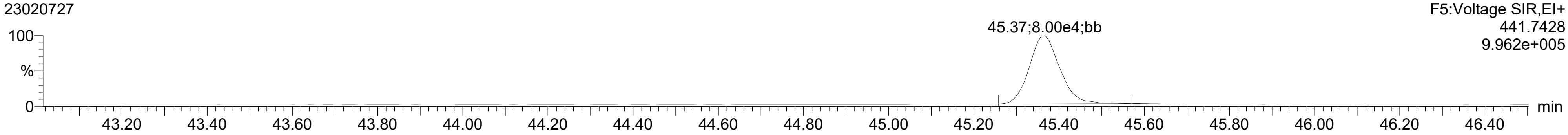


FUNCTION5 PFK

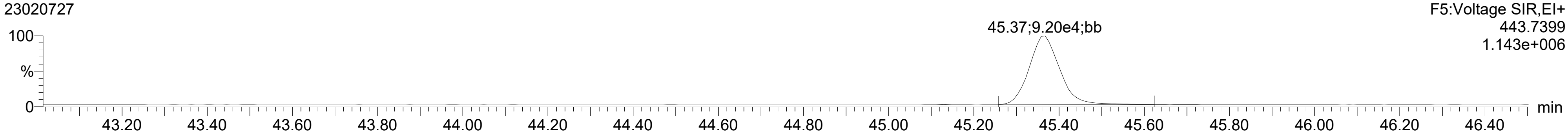


ID: 22L0307-29, Name: 23020727, Date: 08-Feb-2023, Time: 06:38:52, Conditions: AUTOSPEC01, User: pk

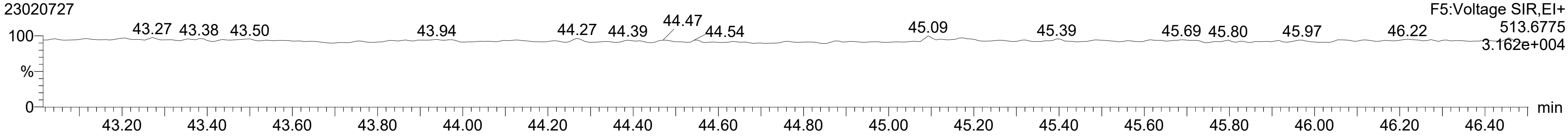
OCDF



OCDF

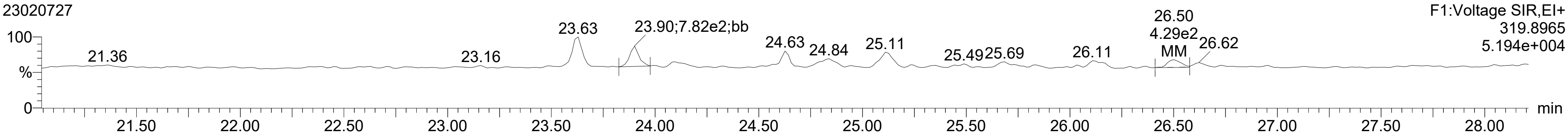


FUNCTION5 DCDPE

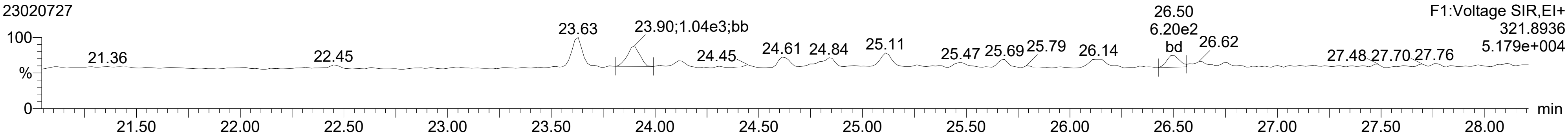


ID: 22L0307-29, Name: 23020727, Date: 08-Feb-2023, Time: 06:38:52, Conditions: AUTOSPEC01, User: pk

Total-tetradioxins



Total-tetradioxins



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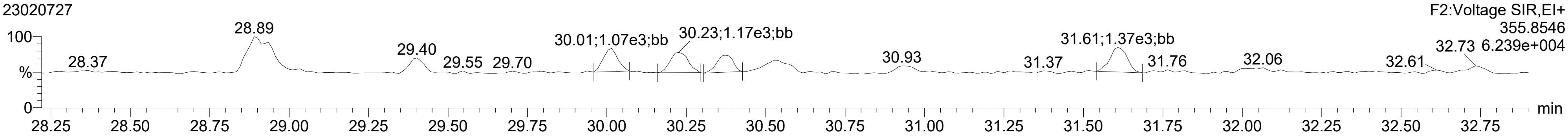

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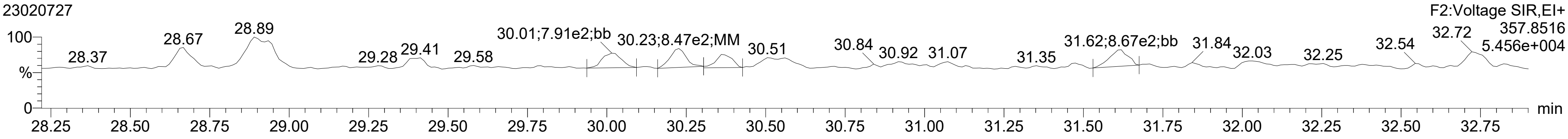
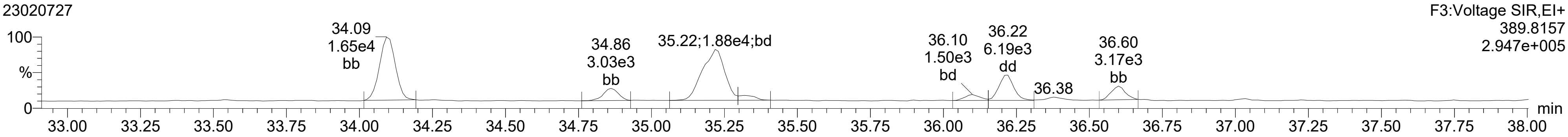
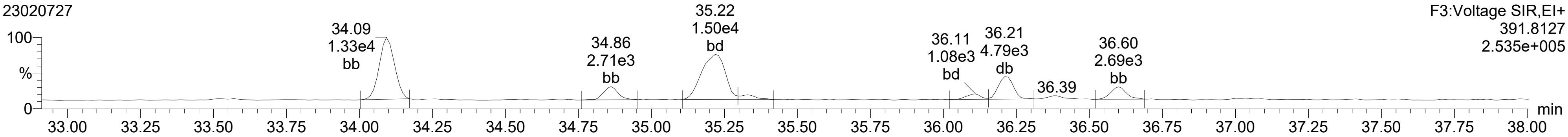


ID: 22L0307-29, Name: 23020727, Date: 08-Feb-2023, Time: 06:38:52, Conditions: AUTOSPEC01, User: pk

Total-hexadioxins



Total-hexadioxins



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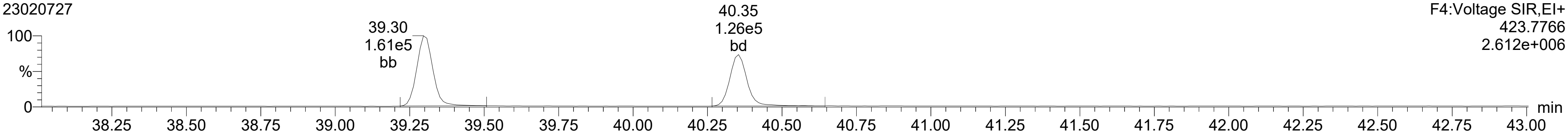
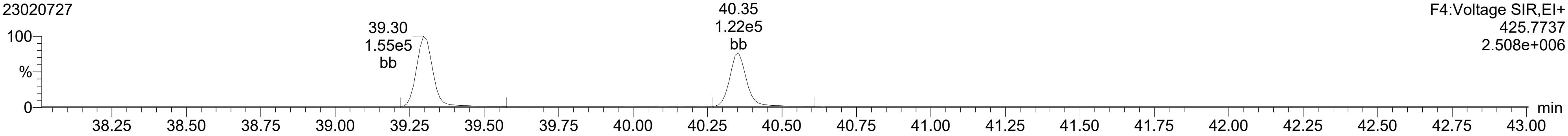
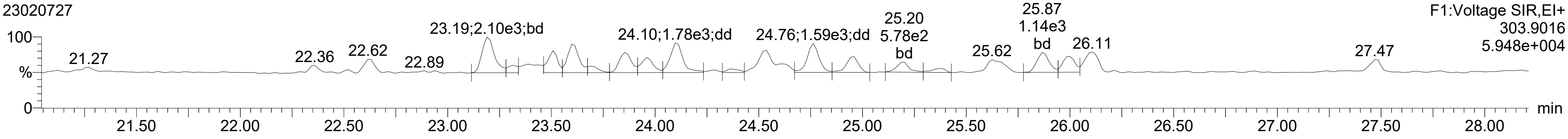


Total-heptadioxins



ID: 22L0307-29, Name: 23020727, Date: 08-Feb-2023, Time: 06:38:52, Conditions: AUTOSPEC01, User: pk

Total-tetrafurans



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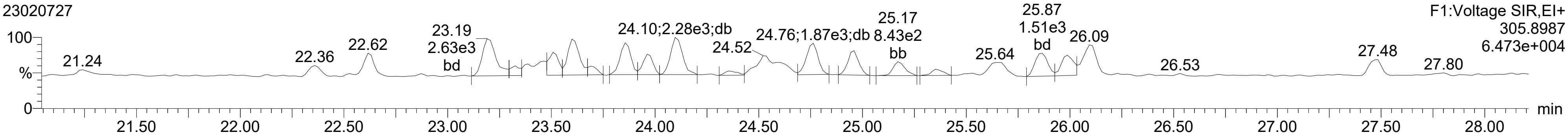
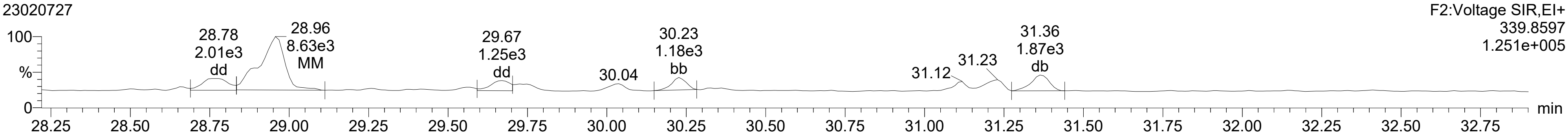
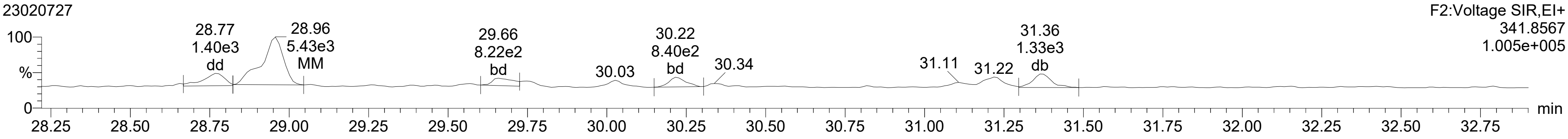


Total-pentafurans

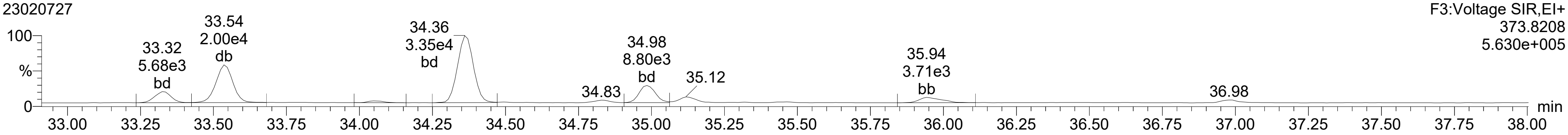


Total-pentafurans

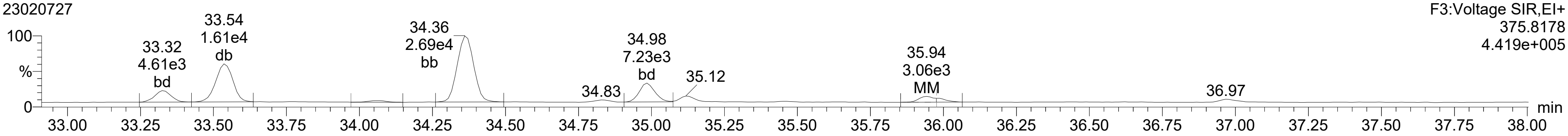


ID: 22L0307-29, Name: 23020727, Date: 08-Feb-2023, Time: 06:38:52, Conditions: AUTOSPEC01, User: pk

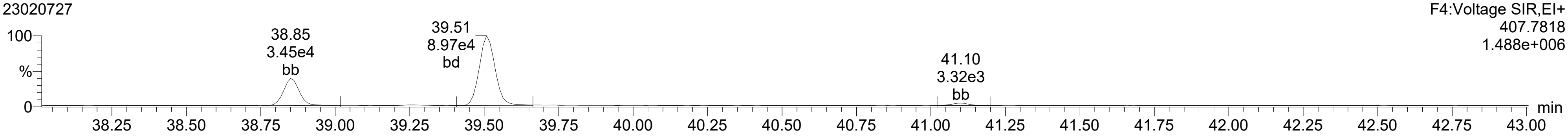
Total-hexafurans



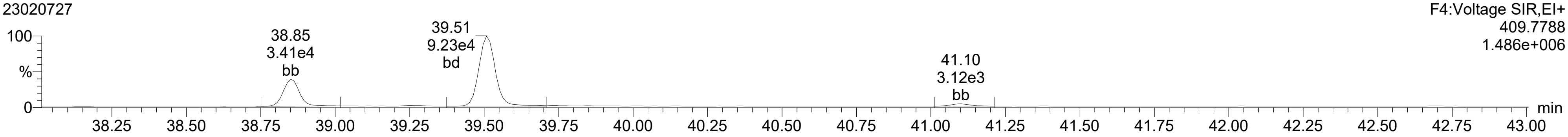
Total-hexafurans



Total-heptafurans



Total-heptafurans



LDW22-IT808B

Form 1

ORGANIC ANALYSIS DATA SHEET

EPA 1613B

Dioxins/Furans by HRGC/HRMS

Laboratory:	Analytical Resources, LLC			SDG:	22L0307
Client:	Anchor QEA, LLC				
Project:	AOC4 UR Phase 3				
Matrix:	Sediment	Laboratory ID:	22L0307-30 A	File ID:	23020728
Sampled:	12/12/22 09:46	Prepared:	12/27/22 14:20	Analyzed:	02/08/23 07:28
% Solids:	58.36	Preparation:	EPA 8290	Initial/Final:	17.2 g Wet / 20 uL
Result Basis:	Dry	Sequence:	SLB0072	Calibration:	GB00010
Batch:	BKL0420	Instrument:	AUTOSPEC01	Column:	RTX-Dioxin2

CAS NO.	COMPOUND	DF/Split	Ion Ratio	Ratio Limits	EDL	RL	Result	Units	Q
51207-31-9	2,3,7,8-TCDF	1	0.746	0.655-0.886	0.129	0.996	2.67	ng/kg	X
1746-01-6	2,3,7,8-TCDD	1	0.572	0.655-0.886	0.109	0.996	0.461	ng/kg	EMPC, J
57117-41-6	1,2,3,7,8-PeCDF	1	1.595	1.318-1.783	0.170	0.996	2.08	ng/kg	
57117-31-4	2,3,4,7,8-PeCDF	1	1.465	1.318-1.783	0.162	0.996	4.64	ng/kg	
40321-76-4	1,2,3,7,8-PeCDD	1	1.615	1.318-1.783	0.303	0.996	2.44	ng/kg	
70648-26-9	1,2,3,4,7,8-HxCDF	1	1.273	1.054-1.426	0.136	0.996	37.9	ng/kg	
57117-44-9	1,2,3,6,7,8-HxCDF	1	1.242	1.054-1.426	0.128	0.996	7.78	ng/kg	B
60851-34-5	2,3,4,6,7,8-HxCDF	1	1.245	1.054-1.426	0.133	0.996	11.9	ng/kg	
72918-21-9	1,2,3,7,8,9-HxCDF	1	1.301	1.054-1.426	0.148	0.996	5.97	ng/kg	
39227-28-6	1,2,3,4,7,8-HxCDD	1	1.214	1.054-1.426	0.233	0.996	2.69	ng/kg	
57653-85-7	1,2,3,6,7,8-HxCDD	1	1.205	1.054-1.426	0.235	0.996	14.2	ng/kg	
19408-74-3	1,2,3,7,8,9-HxCDD	1	1.238	1.054-1.426	0.238	0.996	5.72	ng/kg	
67562-39-4	1,2,3,4,6,7,8-HpCDF	1	1.011	0.893-1.208	0.204	0.996	160	ng/kg	
55673-89-7	1,2,3,4,7,8,9-HpCDF	1	1.027	0.893-1.208	0.298	0.996	22.3	ng/kg	
35822-46-9	1,2,3,4,6,7,8-HpCDD	1	1.045	0.893-1.208	0.416	2.49	379	ng/kg	B
39001-02-0	OCDF	1	0.877	0.757-1.024	0.311	2.49	426	ng/kg	B
3268-87-9	OCDD	1	0.873	0.757-1.024	0.547	9.96	3140	ng/kg	B

Homologue Groups

55722-27-5	Total TCDF	1	0.000			0.996	43.1	ng/kg
41903-57-5	Total TCDD	1	0.000			0.996	33.0	ng/kg
30402-15-4	Total PeCDF	1	0.000			0.996	94.2	ng/kg
36088-22-9	Total PeCDD	1	0.000			0.996	35.0	ng/kg
55684-94-1	Total HxCDF	1	0.000			0.996	275	ng/kg
34465-46-8	Total HxCDD	1	0.000			0.996	105	ng/kg
38998-75-3	Total HpCDF	1	0.000			0.996	666	ng/kg
37871-00-4	Total HpCDD	1	0.000			0.996	704	ng/kg

Total 2,3,7,8-TCDD Equivalence (WHO2005, ND=0, Including EMPC):	19.92
Total 2,3,7,8-TCDD Equivalence (WHO2005, ND=1/2 EDL, Including EMPC):	19.92

LDW22-IT808B

Form 2
ORGANIC ANALYSIS DATA SHEET
EPA 1613B
Dioxins/Furans by HRGC/HRMS

Laboratory:	Analytical Resources, LLC			SDG:	22L0307
Client:	Anchor QEA, LLC			Project:	AOC4 UR Phase 3
Matrix:	Sediment	Laboratory ID:	22L0307-30	File ID:	23020728
Sampled:	12/12/22 09:46	Prepared:	12/27/22 14:20	Analyzed:	02/08/23 07:28
Solids Wt%:	58.36	Preparation:	EPA 8290	Initial/Final:	17.2 g / 20 uL
Result Basis:	Dry	Sequence:	SLB0072	Calibration:	GB00010
Batch:	BKL0420	Instrument:	AUTOSPEC01	Column:	RTX-Dioxin2

Labels	DF/Split	Ion Ratio	Ratio Limits	EDL	% REC	QC LIMITS	Q
13C12-2,3,7,8-TCDF		0.779	0.655-0.886	0.191	85.3	24 - 169 %	
13C12-2,3,7,8-TCDD		0.757	0.655-0.886	0.172	106	25 - 164 %	
13C12-1,2,3,7,8-PeCDF		1.519	1.318-1.783	0.161	94.8	24 - 185 %	
13C12-2,3,4,7,8-PeCDF		1.529	1.318-1.783	0.167	94.3	21 - 178 %	
13C12-1,2,3,7,8-PeCDD		1.568	1.318-1.783	0.151	106	25 - 181 %	
13C12-1,2,3,4,7,8-HxCDF		0.503	0.434-0.587	0.183	90.2	26 - 152 %	
13C12-1,2,3,6,7,8-HxCDF		0.508	0.434-0.587	0.178	89.5	26 - 123 %	
13C12-2,3,4,6,7,8-HxCDF		0.508	0.434-0.587	0.190	89.3	28 - 136 %	
13C12-1,2,3,7,8,9-HxCDF		0.498	0.434-0.587	0.207	88.9	29 - 147 %	
13C12-1,2,3,4,7,8-HxCDD		1.279	1.054-1.426	0.138	102	32 - 141 %	
13C12-1,2,3,6,7,8-HxCDD		1.264	1.054-1.426	0.133	99.7	28 - 130 %	
13C12-1,2,3,4,6,7,8-HpCDF		0.443	0.374-0.506	0.155	71.6	28 - 143 %	
13C12-1,2,3,4,7,8,9-HpCDF		0.445	0.374-0.506	0.177	69.4	26 - 138 %	
13C12-1,2,3,4,6,7,8-HpCDD		1.064	0.893-1.208	0.186	76.6	23 - 140 %	
13C12-OCDD		0.894	0.757-1.024	0.161	65.7	17 - 157 %	
37Cl4-2,3,7,8-TCDD		328.000		0.069	89.8	35 - 197 %	

* Values outside of QC limits

Dataset: T:\Autospec\Processed Data Batch\230207D2.qld
Last Altered: Wednesday, February 08, 2023 13:13:24 Pacific Standard Time
Printed: Wednesday, February 08, 2023 13:16:52 Pacific Standard Time

Method: T:\Autospec\Methods\Dioxin230206.mdb 07 Feb 2023 09:29:10
Calibration: T:\Autospec\Curves\230201ICIH.cdb 03 Feb 2023 10:33:40

ID: 22L0307-30, Name: 23020728, Date: 08-Feb-2023, Time: 07:28:17, Conditions: AUTOSPEC01, User: pk

Compound	RT	RRT	Ion1Area	Ion2Area	RRF	Ratio	Pred R	Noise 1	Noise 2	Height 1	Height 2	S/N 1	S/N 2	EMPC	Int.1	Int.2	pg
2378-TCDF	25.882	1.001	3.805e3	5.103e3	0.876	0.746	0.770	1386	853	5.84e4	7.97e4	42.1	93.5	NO	dd	bd	1.339
12378-PeCDF	30.060	1.001	3.942e3	2.471e3	0.845	1.595	1.550	1518	1193	6.08e4	3.60e4	40.0	30.2	NO	bb	bb	1.042
23478-PeCDF	31.397	1.001	8.791e3	6.000e3	0.911	1.465	1.550	1518	1193	1.32e5	9.10e4	87.0	76.3	NO	db	db	2.329
123478-HxCDF	35.007	1.000	7.651e4	6.009e4	1.182	1.273	1.240	1239	1384	1.25e6	9.66e5	1007.1	697.9	NO	dd	dd	19.038
234678-HxCDF	35.965	0.999	2.347e4	1.885e4	1.229	1.245	1.240	1239	1384	2.74e5	2.36e5	221.0	170.2	NO	bb	bb	5.952
123678-HxCDF	35.151	1.001	1.667e4	1.343e4	1.248	1.242	1.240	1239	1384	2.59e5	2.00e5	208.9	144.8	NO	dd	dd	3.903
123789-HxCDF	36.990	0.999	1.060e4	8.145e3	1.187	1.301	1.240	1239	1384	1.60e5	1.23e5	129.0	88.7	NO	bb	bb	2.996
1234678-HpCDF	38.873	1.000	2.310e5	2.285e5	1.204	1.011	1.050	1544	1740	3.79e6	3.78e6	2455.0	2172.2	NO	bd	bd	80.478
1234789-HpCDF	41.123	1.001	2.648e4	2.578e4	1.165	1.027	1.050	1544	1740	3.76e5	3.86e5	243.7	222.0	NO	bd	bb	11.175
OCDF	45.395	1.005	3.924e5	4.474e5	1.186	0.877	0.890	1065	1533	4.69e6	5.37e6	4400.9	3500.2	NO	bd	bb	213.845
2378-TCDD	26.517	1.001	6.153e2	1.075e3	1.236	0.572	0.770	866	1230	9.50e3	1.45e4	11.0	11.8	YES	bd	bd	0.231
12378-PeCDD	31.631	1.000	4.002e3	2.479e3	1.087	1.615	1.550	1789	2390	5.54e4	3.32e4	31.0	13.9	NO	bb	bb	1.225
123478-HxCDD	36.120	1.000	4.426e3	3.647e3	0.987	1.214	1.240	1728	2291	7.63e4	6.04e4	44.2	26.4	NO	bd	bd	1.350
123678-HxCDD	36.243	1.001	2.440e4	2.026e4	1.021	1.205	1.240	1728	2291	4.12e5	3.40e5	238.1	148.3	NO	dd	db	7.118
123789-HxCDD	36.622	1.011	9.543e3	7.706e3	0.985	1.238	1.240	1728	2291	1.57e5	1.26e5	90.8	55.2	NO	bb	bb	2.868
1234678-HpCDD	40.376	1.001	4.652e5	4.450e5	1.253	1.045	1.050	2829	2362	7.14e6	6.78e6	2522.7	2872.5	NO	bd	bb	189.988
OCDD	45.157	1.000	2.677e6	3.068e6	1.103	0.873	0.890	2212	2037	3.36e7	3.80e7	15177.4	18662.4	NO	bb	bb	1573.833
13C-2378-TCDF	25.867	1.007	3.326e5	4.270e5	1.768	0.779	0.770	2988	1513	5.18e6	6.72e6	1732.9	4440.5	NO	bb	bb	85.290
13C-12378-PeCDF	30.038	1.169	4.396e5	2.894e5	1.527	1.519	1.550	1713	1554	6.82e6	4.44e6	3983.0	2858.4	NO	bb	bb	94.775
13C-23478-PeCDF	31.375	1.222	4.213e5	2.755e5	1.466	1.529	1.550	1713	1554	6.62e6	4.26e6	3864.1	2740.8	NO	bb	bb	94.348
13C-123478-HxCDF	34.995	0.956	2.033e5	4.039e5	1.054	0.503	0.510	1635	1763	3.28e6	6.49e6	2003.4	3682.0	NO	bd	bd	90.197
13C-123678-HxCDF	35.129	0.960	2.081e5	4.097e5	1.080	0.508	0.510	1635	1763	3.31e6	6.61e6	2023.3	3750.3	NO	db	db	89.548
13C-234678-HxCDF	35.998	0.983	1.948e5	3.837e5	1.014	0.508	0.510	1635	1763	3.23e6	6.36e6	1974.5	3610.3	NO	bb	bb	89.275
13C-123789-HxCDF	37.012	1.011	1.752e5	3.521e5	0.928	0.498	0.510	1635	1763	2.96e6	5.94e6	1809.2	3368.5	NO	bb	bb	88.947
13C-1234678-HpCDF	38.861	1.061	1.456e5	3.285e5	1.036	0.443	0.440	1279	1556	2.46e6	5.63e6	1921.0	3620.0	NO	bb	bb	71.629
13C-1234789-HpCDF	41.101	1.123	1.236e5	2.777e5	0.905	0.445	0.440	1279	1556	1.74e6	3.95e6	1360.7	2535.6	NO	bb	bd	69.409
13C-1234-TCDD	25.685	0.000	2.210e5	2.827e5	1.000	0.782	0.770	1464	1058	3.49e6	4.48e6	2385.2	4232.3	NO	bb	bb	100.000
13C-2378-TCDD	26.502	1.032	2.545e5	3.365e5	1.103	0.757	0.770	1464	1058	3.99e6	5.27e6	2728.6	4982.7	NO	bb	bb	106.387
13C-12378-PeCDD	31.620	1.231	2.973e5	1.896e5	0.914	1.568	1.550	924	912	4.63e6	2.96e6	5008.2	3247.4	NO	bb	bd	105.727
13C-123478-HxCDD	36.109	0.986	3.400e5	2.658e5	0.933	1.279	1.240	1012	1253	5.85e6	4.54e6	5784.1	3621.5	NO	bd	bd	101.630
13C-123678-HxCDD	36.221	0.989	3.432e5	2.715e5	0.965	1.264	1.240	1012	1253	5.60e6	4.45e6	5537.7	3555.9	NO	db	db	99.734
13C-1234678-HpCDD	40.354	1.102	1.971e5	1.854e5	0.782	1.064	1.050	1432	1141	3.07e6	2.90e6	2141.7	2544.3	NO	bb	bb	76.560
13C-OCDD	45.147	1.233	3.124e5	3.497e5	0.788	0.894	0.890	1214	1033	3.98e6	4.38e6	3276.0	4240.2	NO	bb	bb	131.475
13C-123789-HxCDD	36.611	0.000	3.558e5	2.831e5	1.000	1.257	1.240	1012	1253	5.88e6	4.71e6	5806.3	3762.5	NO	bb	bb	100.000
37CL-2378-TCDD	26.517	1.032	2.232e5		1.233			1128		3.40e6		3017.8			bb		35.919

ID: 22L0307-30, Name: 23020728, Date: 08-Feb-2023, Time: 07:28:17, Conditions: AUTOSPEC01, User: pk

Compound	RT	RRT	Ion1Area	Ion2Area	RRF	Ratio	Pred R	Noise 1	Noise 2	Height 1	Height 2	S/N 1	S/N 2	EMPC	Int.1	Int.2	pg
1368-TCDF	22.374	0.865	1.880e3	2.576e3	1.064	0.730	0.770	1386	853	2.66e4	3.98e4	19.2	46.7	NO	bb	bb	0.551
1289-TCDF	27.333	1.057	2.649e2	7.566e2	0.858	0.350	0.770	1386	853	4.16e3	7.13e3	3.0	8.4	YES	dd	bd	0.157
13468-PECDF					1.013		1.550	853	920								
12389-PECDF					0.844		1.550	1518	1193								
123468-HXCDF	33.347	0.953	3.066e4	2.468e4	1.197	1.242	1.240	1239	1384	4.72e5	3.78e5	381.2	272.7	NO	dd	dd	7.612
1368-TCDD	23.644	0.892	1.840e4	2.225e4	1.084	0.827	0.770	866	1230	3.04e5	3.67e5	351.0	298.7	NO	bb	bb	6.341
1289-TCDD					0.975		0.770	866	1230								
12479-PECDD	28.957	0.916	2.136e4	1.488e4	1.837	1.436	1.550	1789	2390	2.22e5	1.34e5	124.1	56.2	NO	MM	MM	4.052
12389-PECDD					1.252		1.550	1789	2390								
124679-HXCDD	34.115	0.945	4.343e4	3.601e4	1.033	1.206	1.240	1728	2291	7.00e5	5.89e5	405.3	257.0	NO	bb	bb	12.696
1234679-HPCDD	39.318	0.974	4.089e5	3.948e5	1.286	1.036	1.050	2829	2362	6.61e6	6.47e6	2338.0	2740.5	NO	bd	bb	163.379
Total-tetrafurans			6.461e4		0.933			1386		9.91e5							21.627
Total-penta1			7.404e4					853		1.13e6							18.450
Total-pentafurans			1.075e5		0.866			1518		1.45e6							28.842
Total-hexafurans			5.425e5		1.208			1239		8.37e6							138.162
Total-heptafurans			8.905e5		1.185			1544		1.44e7							334.314
Total-Furans			2.072e6		1.067			1386		3.10e7							755.239
Total-tetradioxins			4.700e4		1.099			866		7.37e5							16.553
Total-pentadioxins			7.615e4		1.392			1789		1.11e6							17.583
Total-hexadioxins			1.803e5		1.007			1728		2.66e6							52.804
Total-heptadioxins			8.741e5		1.269			2829		1.38e7							353.367
Total-Dioxins			3.855e6		1.165			866		5.18e7							2014.140
Total-TEQ			5.926e6					866		8.29e7							2769.379
FUNCTION1 PFK			1.068e7					532591		9.23e7							
FUNCTION2 PFK			1.831e4					206410		5.36e5							0.000
FUNCTION3 PFK			1.613e6					205272		9.50e6							0.000
FUNCTION4 PFK			1.748e5					144937		4.59e6							
FUNCTION5 PFK			8.584e5					106772		9.05e6							
FUNCTION1 HXCD...			7.293e3					541		1.21e5							0.000
FUNCTION1 HPCD...			3.593e3					766		5.40e4							0.000
FUNCTION2 HPCD...			4.968e3					548		8.46e4							0.000
FUNCTION3 OCDPE			2.365e3					943		5.03e4							0.000
FUNCTION4 NCDPE			6.986e3					718		1.12e5							0.000
FUNCTION5 DCDPE			0.000e0					676		0.00e0							

Method: T:\Autospec\Methods\Dioxin230206.mdb 07 Feb 2023 09:29:10
Calibration: T:\Autospec\Curves\230201ICIH.cdb 03 Feb 2023 10:33:40

ID: 22L0307-30, Name: 23020728, Date: 08-Feb-2023, Time: 07:28:17, Conditions: AUTOSPEC01, User: pk

TF

	Compound	RT	Ion1Area	Ion2Area	RRF	Ratio	Pred R	S/N 1	SNFlag	EMPC	Int.1	Int.2	pg
1	Total-tetrafurans	24.13	2.567e3	3.863e3	0.933	0.66	0.77	31.5	YES	NO	bb	db	0.907
2	Total-tetrafurans	23.89	6.717e3	1.003e4	0.933	0.67	0.77	82.3	YES	NO	bd	dd	2.364
3	Total-tetrafurans	23.63	5.072e3	7.043e3	0.933	0.72	0.77	56.7	YES	NO	dd	dd	1.710
4	Total-tetrafurans	23.52	3.167e3	4.836e3	0.933	0.65	0.77	32.7	YES	NO	dd	dd	1.130
5	Total-tetrafurans	23.40	3.011e3	3.910e3	0.933	0.77	0.77	24.0	YES	NO	dd	dd	0.977
6	Total-tetrafurans	23.36	1.411e3	1.903e3	0.933	0.74	0.77	21.4	YES	NO	dd	dd	0.468
7	Total-tetrafurans	23.22	1.111e4	1.478e4	0.933	0.75	0.77	122.0	YES	NO	bd	bd	3.655
8	Total-tetrafurans	22.65	2.775e3	3.918e3	0.933	0.71	0.77	32.4	YES	NO	bb	bb	0.945
9	1368-TCDF	22.37	1.880e3	2.576e3	1.064	0.73	0.77	19.2	YES	NO	bb	bb	0.551
10	Total-tetrafurans	26.89	5.241e2	5.966e2	0.933	0.88	0.77	5.3	YES	NO	bb	bb	0.158
11	Total-tetrafurans	26.24	1.489e3	1.690e3	0.933	0.88	0.77	15.7	YES	NO	dd	db	0.449
12	Total-tetrafurans	26.12	3.896e3	5.349e3	0.933	0.73	0.77	43.6	YES	NO	dd	dd	1.305
13	Total-tetrafurans	26.02	1.562e3	1.903e3	0.933	0.82	0.77	16.3	YES	NO	dd	dd	0.489
14	2378-TCDF	25.88	3.805e3	5.103e3	0.876	0.75	0.77	42.1	YES	NO	dd	bd	1.339
15	Total-tetrafurans	24.97	3.056e3	4.458e3	0.933	0.69	0.77	35.7	YES	NO	bb	bb	1.061
16	Total-tetrafurans	24.78	7.431e3	9.957e3	0.933	0.75	0.77	80.9	YES	NO	db	db	2.454
17	Total-tetrafurans	24.64	1.802e3	2.557e3	0.933	0.70	0.77	25.0	YES	NO	dd	dd	0.615
18	Total-tetrafurans	24.55	3.336e3	4.109e3	0.933	0.81	0.77	28.6	YES	NO	dd	bd	1.051

PP

	Compound	RT	Ion1Area	Ion2Area	RRF	Ratio	Pred R	S/N 1	SNFlag	EMPC	Int.1	Int.2	pg
1	Total-penta1	28.03	5.338e2	3.964e2		1.35	1.55	9.0	YES	NO	bb	bb	0.139
2	Total-penta1	27.32	7.351e4	4.890e4		1.50	1.55	1320.5	YES	NO	bb	bb	18.311

ID: 22L0307-30, Name: 23020728, Date: 08-Feb-2023, Time: 07:28:17, Conditions: AUTOSPEC01, User: pk

PF

	Compound	RT	Ion1Area	Ion2Area	RRF	Ratio	Pred R	S/N 1	SNFlag	EMPC	Int.1	Int.2	pg
1	Total-pentafurans	30.25	6.564e3	4.463e3	0.866	1.47	1.55	73.3	YES	NO	bd	bd	1.785
2	12378-PeCDF	30.06	3.942e3	2.471e3	0.845	1.60	1.55	40.0	YES	NO	bb	bb	1.042
3	Total-pentafurans	29.76	2.711e3	1.724e3	0.866	1.57	1.55	30.1	YES	NO	db	dd	0.718
4	Total-pentafurans	29.69	6.681e3	4.855e3	0.866	1.38	1.55	64.7	YES	NO	dd	dd	1.867
5	Total-pentafurans	29.58	2.059e3	1.388e3	0.866	1.48	1.55	25.0	YES	NO	dd	dd	0.558
6	Total-pentafurans	28.98	5.516e4	3.619e4	0.866	1.52	1.55	423.5	YES	NO	dd	MM	14.787
7	Total-pentafurans	28.80	6.680e3	4.317e3	0.866	1.55	1.55	53.0	YES	NO	dd	dd	1.780
8	Total-pentafurans	28.68	1.173e3	8.646e2	0.866	1.36	1.55	15.3	YES	NO	bd	bd	0.330
9	Total-pentafurans	32.42	5.842e2	4.036e2	0.866	1.45	1.55	6.4	YES	NO	db	db	0.160
10	23478-PeCDF	31.40	8.791e3	6.000e3	0.911	1.47	1.55	87.0	YES	NO	db	db	2.329
11	Total-pentafurans	31.24	1.081e4	6.833e3	0.866	1.58	1.55	114.4	YES	NO	dd	dd	2.856
12	Total-pentafurans	31.13	2.306e3	1.585e3	0.866	1.46	1.55	24.7	YES	NO	bd	bd	0.630

HF

	Compound	RT	Ion1Area	Ion2Area	RRF	Ratio	Pred R	S/N 1	SNFlag	EMPC	Int.1	Int.2	pg
1	123468-HXCDF	33.35	3.066e4	2.468e4	1.197	1.24	1.24	381.2	YES	NO	dd	dd	7.612
2	123789-HxCDF	36.99	1.060e4	8.145e3	1.187	1.30	1.24	129.0	YES	NO	bb	bb	2.996
3	234678-HxCDF	35.96	2.347e4	1.885e4	1.229	1.25	1.24	221.0	YES	NO	bb	bb	5.952
4	Total-hexafurans	35.66	4.610e2	3.735e2	1.208	1.23	1.24	6.9	YES	NO	bb	bb	0.118
5	Total-hexafurans	35.49	1.643e3	1.476e3	1.208	1.11	1.24	21.9	YES	NO	db	db	0.443
6	123678-HxCDF	35.15	1.667e4	1.343e4	1.248	1.24	1.24	208.9	YES	NO	dd	dd	3.903
7	123478-HxCDF	35.01	7.651e4	6.009e4	1.182	1.27	1.24	1007.1	YES	NO	dd	dd	19.038
8	Total-hexafurans	34.86	5.958e3	4.783e3	1.208	1.25	1.24	76.1	YES	NO	bd	bd	1.525
9	Total-hexafurans	34.38	2.542e5	2.059e5	1.208	1.23	1.24	3230.4	YES	NO	bb	bb	65.332
10	Total-hexafurans	34.08	4.147e3	3.322e3	1.208	1.25	1.24	56.6	YES	NO	bb	bb	1.061
11	Total-hexafurans	33.56	1.182e5	9.437e4	1.208	1.25	1.24	1413.7	YES	NO	dd	dd	30.182

HPF

	Compound	RT	Ion1Area	Ion2Area	RRF	Ratio	Pred R	S/N 1	SNFlag	EMPC	Int.1	Int.2	pg
1	1234789-HpCDF	41.12	2.648e4	2.578e4	1.165	1.03	1.05	243.7	YES	NO	bd	bb	11.175
2	Total-heptafurans	39.53	6.297e5	6.223e5	1.185	1.01	1.05	6590.4	YES	NO	bd	bd	241.410
3	Total-heptafurans	39.28	3.422e3	3.068e3	1.185	1.12	1.05	35.6	YES	NO	bb	bb	1.252
4	1234678-HpCDF	38.87	2.310e5	2.285e5	1.204	1.01	1.05	2455.0	YES	NO	bd	bd	80.478

ID: 22L0307-30, Name: 23020728, Date: 08-Feb-2023, Time: 07:28:17, Conditions: AUTOSPEC01, User: pk

Furans,TF,PP,PF,HF,HPF,OF

	Compound	RT	Ion1Area	Ion2Area	RRF	Ratio	Pred R	S/N 1	SNFlag	EMPC	Int.1	Int.2	pg
1	Total-tetrafurans	24.13	2.567e3	3.863e3	0.933	0.66	0.77	31.5	YES	NO	bb	db	0.907
2	Total-tetrafurans	23.89	6.717e3	1.003e4	0.933	0.67	0.77	82.3	YES	NO	bd	dd	2.364
3	Total-tetrafurans	23.63	5.072e3	7.043e3	0.933	0.72	0.77	56.7	YES	NO	dd	dd	1.710
4	Total-tetrafurans	23.52	3.167e3	4.836e3	0.933	0.65	0.77	32.7	YES	NO	dd	dd	1.130
5	Total-tetrafurans	23.40	3.011e3	3.910e3	0.933	0.77	0.77	24.0	YES	NO	dd	dd	0.977
6	Total-tetrafurans	23.36	1.411e3	1.903e3	0.933	0.74	0.77	21.4	YES	NO	dd	dd	0.468
7	Total-tetrafurans	23.22	1.111e4	1.478e4	0.933	0.75	0.77	122.0	YES	NO	bd	bd	3.655
8	Total-tetrafurans	22.65	2.775e3	3.918e3	0.933	0.71	0.77	32.4	YES	NO	bb	bb	0.945
9	1368-TCDF	22.37	1.880e3	2.576e3	1.064	0.73	0.77	19.2	YES	NO	bb	bb	0.551
10	Total-tetrafurans	26.89	5.241e2	5.966e2	0.933	0.88	0.77	5.3	YES	NO	bb	bb	0.158
11	Total-tetrafurans	26.24	1.489e3	1.690e3	0.933	0.88	0.77	15.7	YES	NO	dd	db	0.449
12	Total-tetrafurans	26.12	3.896e3	5.349e3	0.933	0.73	0.77	43.6	YES	NO	dd	dd	1.305
13	Total-tetrafurans	26.02	1.562e3	1.903e3	0.933	0.82	0.77	16.3	YES	NO	dd	dd	0.489
14	2378-TCDF	25.88	3.805e3	5.103e3	0.876	0.75	0.77	42.1	YES	NO	dd	bd	1.339
15	Total-tetrafurans	24.97	3.056e3	4.458e3	0.933	0.69	0.77	35.7	YES	NO	bb	bb	1.061
16	Total-tetrafurans	24.78	7.431e3	9.957e3	0.933	0.75	0.77	80.9	YES	NO	db	db	2.454
17	Total-tetrafurans	24.64	1.802e3	2.557e3	0.933	0.70	0.77	25.0	YES	NO	dd	dd	0.615
18	Total-tetrafurans	24.55	3.336e3	4.109e3	0.933	0.81	0.77	28.6	YES	NO	dd	bd	1.051
19	Total-pentafurans	30.25	6.564e3	4.463e3	0.866	1.47	1.55	73.3	YES	NO	bd	bd	1.785
20	12378-PeCDF	30.06	3.942e3	2.471e3	0.845	1.60	1.55	40.0	YES	NO	bb	bb	1.042
21	Total-pentafurans	29.76	2.711e3	1.724e3	0.866	1.57	1.55	30.1	YES	NO	db	dd	0.718
22	Total-pentafurans	29.69	6.681e3	4.855e3	0.866	1.38	1.55	64.7	YES	NO	dd	dd	1.867
23	Total-pentafurans	29.58	2.059e3	1.388e3	0.866	1.48	1.55	25.0	YES	NO	dd	dd	0.558
24	Total-pentafurans	28.98	5.516e4	3.619e4	0.866	1.52	1.55	423.5	YES	NO	dd	MM	14.787
25	Total-pentafurans	28.80	6.680e3	4.317e3	0.866	1.55	1.55	53.0	YES	NO	dd	dd	1.780
26	Total-pentafurans	28.68	1.173e3	8.646e2	0.866	1.36	1.55	15.3	YES	NO	bd	bd	0.330
27	Total-pentafurans	32.42	5.842e2	4.036e2	0.866	1.45	1.55	6.4	YES	NO	db	db	0.160
28	23478-PeCDF	31.40	8.791e3	6.000e3	0.911	1.47	1.55	87.0	YES	NO	db	db	2.329
29	Total-pentafurans	31.24	1.081e4	6.833e3	0.866	1.58	1.55	114.4	YES	NO	dd	dd	2.856
30	Total-pentafurans	31.13	2.306e3	1.585e3	0.866	1.46	1.55	24.7	YES	NO	bd	bd	0.630
31	123468-HXCDF	33.35	3.066e4	2.468e4	1.197	1.24	1.24	381.2	YES	NO	dd	dd	7.612
32	123789-HxCDF	36.99	1.060e4	8.145e3	1.187	1.30	1.24	129.0	YES	NO	bb	bb	2.996
33	234678-HxCDF	35.96	2.347e4	1.885e4	1.229	1.25	1.24	221.0	YES	NO	bb	bb	5.952
34	Total-hexafurans	35.66	4.610e2	3.735e2	1.208	1.23	1.24	6.9	YES	NO	bb	bb	0.118
35	Total-hexafurans	35.49	1.643e3	1.476e3	1.208	1.11	1.24	21.9	YES	NO	db	db	0.443
36	123678-HxCDF	35.15	1.667e4	1.343e4	1.248	1.24	1.24	208.9	YES	NO	dd	dd	3.903
37	123478-HxCDF	35.01	7.651e4	6.009e4	1.182	1.27	1.24	1007.1	YES	NO	dd	dd	19.038

ID: 22L0307-30, Name: 23020728, Date: 08-Feb-2023, Time: 07:28:17, Conditions: AUTOSPEC01, User: pk

Furans,TF,PP,PF,HF,HPF,OF

	Compound	RT	Ion1Area	Ion2Area	RRF	Ratio	Pred R	S/N 1	SNFlag	EMPC	Int.1	Int.2	pg
38	Total-hexafurans	34.86	5.958e3	4.783e3	1.208	1.25	1.24	76.1	YES	NO	bd	bd	1.525
39	Total-hexafurans	34.38	2.542e5	2.059e5	1.208	1.23	1.24	3230.4	YES	NO	bb	bb	65.332
40	Total-hexafurans	34.08	4.147e3	3.322e3	1.208	1.25	1.24	56.6	YES	NO	bb	bb	1.061
41	Total-hexafurans	33.56	1.182e5	9.437e4	1.208	1.25	1.24	1413.7	YES	NO	dd	dd	30.182
42	1234789-HpCDF	41.12	2.648e4	2.578e4	1.165	1.03	1.05	243.7	YES	NO	bd	bb	11.175
43	Total-heptafurans	39.53	6.297e5	6.223e5	1.185	1.01	1.05	6590.4	YES	NO	bd	bd	241.410
44	Total-heptafurans	39.28	3.422e3	3.068e3	1.185	1.12	1.05	35.6	YES	NO	bb	bb	1.252
45	1234678-HpCDF	38.87	2.310e5	2.285e5	1.204	1.01	1.05	2455.0	YES	NO	bd	bd	80.478
46	OCDF	45.39	3.924e5	4.474e5	1.186	0.88	0.89	4400.9	YES	NO	bd	bb	213.845
47	Total-penta1	28.03	5.338e2	3.964e2		1.35	1.55	9.0	YES	NO	bb	bb	0.139
48	Total-penta1	27.32	7.351e4	4.890e4		1.50	1.55	1320.5	YES	NO	bb	bb	18.311

TD

	Compound	RT	Ion1Area	Ion2Area	RRF	Ratio	Pred R	S/N 1	SNFlag	EMPC	Int.1	Int.2	pg
1	Total-tetradioxins	26.15	2.518e3	3.247e3	1.099	0.78	0.77	33.0	YES	NO	bb	bb	0.888
2	Total-tetradioxins	25.70	4.261e3	5.349e3	1.099	0.80	0.77	71.4	YES	NO	bd	bd	1.480
3	Total-tetradioxins	25.14	3.776e3	4.665e3	1.099	0.81	0.77	70.0	YES	NO	bb	bb	1.300
4	Total-tetradioxins	24.66	9.383e2	1.249e3	1.099	0.75	0.77	16.0	YES	NO	bb	bd	0.337
5	Total-tetradioxins	24.14	6.442e2	9.422e2	1.099	0.68	0.77	12.3	YES	NO	bb	bb	0.244
6	Total-tetradioxins	23.92	1.585e4	2.143e4	1.099	0.74	0.77	287.3	YES	NO	bb	bb	5.741
7	1368-TCDD	23.64	1.840e4	2.225e4	1.084	0.83	0.77	351.0	YES	NO	bb	bb	6.341
8	Total-tetradioxins	26.65	6.158e2	8.259e2	1.099	0.75	0.77	9.3	YES	NO	db	db	0.222

PD

	Compound	RT	Ion1Area	Ion2Area	RRF	Ratio	Pred R	S/N 1	SNFlag	EMPC	Int.1	Int.2	pg
1	12378-PeCDD	31.63	4.002e3	2.479e3	1.087	1.61	1.55	31.0	YES	NO	bb	bb	1.225
2	Total-pentadioxins	30.96	7.983e3	5.343e3	1.392	1.49	1.55	69.8	YES	NO	bb	bb	1.966
3	Total-pentadioxins	30.39	1.793e4	1.124e4	1.392	1.60	1.55	158.7	YES	NO	bd	bb	4.304
4	Total-pentadioxins	30.25	3.260e3	1.869e3	1.392	1.74	1.55	35.0	YES	NO	bb	bb	0.757
5	Total-pentadioxins	30.04	2.162e4	1.416e4	1.392	1.53	1.55	199.4	YES	NO	bb	bb	5.280
6	12479-PECDD	28.96	2.136e4	1.488e4	1.837	1.44	1.55	124.1	YES	NO	MM	MM	4.052

ID: 22L0307-30, Name: 23020728, Date: 08-Feb-2023, Time: 07:28:17, Conditions: AUTOSPEC01, User: pk

HD

	Compound	RT	Ion1Area	Ion2Area	RRF	Ratio	Pred R	S/N 1	SNFlag	EMPC	Int.1	Int.2	pg
1	124679-HXCDD	34.12	4.343e4	3.601e4	1.033	1.21	1.24	405.3	YES	NO	bb	bb	12.696
2	123789-HxCDD	36.62	9.543e3	7.706e3	0.985	1.24	1.24	90.8	YES	NO	bb	bb	2.868
3	123678-HxCDD	36.24	2.440e4	2.026e4	1.021	1.20	1.24	238.1	YES	NO	dd	db	7.118
4	123478-HxCDD	36.12	4.426e3	3.647e3	0.987	1.21	1.24	44.2	YES	NO	bd	bd	1.350
5	Total-hexadioxins	35.25	5.732e4	4.441e4	1.007	1.29	1.24	368.9	YES	NO	bb	bd	16.564
6	Total-hexadioxins	34.88	4.114e4	3.384e4	1.007	1.22	1.24	393.3	YES	NO	bb	bb	12.208

HPD

	Compound	RT	Ion1Area	Ion2Area	RRF	Ratio	Pred R	S/N 1	SNFlag	EMPC	Int.1	Int.2	pg
1	1234678-HpCDD	40.38	4.652e5	4.450e5	1.253	1.05	1.05	2522.7	YES	NO	bd	bb	189.988
2	1234679-HPCDD	39.32	4.089e5	3.948e5	1.286	1.04	1.05	2338.0	YES	NO	bd	bb	163.379

ID: 22L0307-30, Name: 23020728, Date: 08-Feb-2023, Time: 07:28:17, Conditions: AUTOSPEC01, User: pk

Dioxins,TD,PD,HD,HPD,OD

	Compound	RT	Ion1Area	Ion2Area	RRF	Ratio	Pred R	S/N 1	SNFlag	EMPC	Int.1	Int.2	pg
1	Total-tetradioxins	26.15	2.518e3	3.247e3	1.099	0.78	0.77	33.0	YES	NO	bb	bb	0.888
2	Total-tetradioxins	25.70	4.261e3	5.349e3	1.099	0.80	0.77	71.4	YES	NO	bd	bd	1.480
3	Total-tetradioxins	25.14	3.776e3	4.665e3	1.099	0.81	0.77	70.0	YES	NO	bb	bb	1.300
4	Total-tetradioxins	24.66	9.383e2	1.249e3	1.099	0.75	0.77	16.0	YES	NO	bb	bd	0.337
5	Total-tetradioxins	24.14	6.442e2	9.422e2	1.099	0.68	0.77	12.3	YES	NO	bb	bb	0.244
6	Total-tetradioxins	23.92	1.585e4	2.143e4	1.099	0.74	0.77	287.3	YES	NO	bb	bb	5.741
7	1368-TCDD	23.64	1.840e4	2.225e4	1.084	0.83	0.77	351.0	YES	NO	bb	bb	6.341
8	Total-tetradioxins	26.65	6.158e2	8.259e2	1.099	0.75	0.77	9.3	YES	NO	db	db	0.222
9	12378-PeCDD	31.63	4.002e3	2.479e3	1.087	1.61	1.55	31.0	YES	NO	bb	bb	1.225
10	Total-pentadioxins	30.96	7.983e3	5.343e3	1.392	1.49	1.55	69.8	YES	NO	bb	bb	1.966
11	Total-pentadioxins	30.39	1.793e4	1.124e4	1.392	1.60	1.55	158.7	YES	NO	bd	bb	4.304
12	Total-pentadioxins	30.25	3.260e3	1.869e3	1.392	1.74	1.55	35.0	YES	NO	bb	bb	0.757
13	Total-pentadioxins	30.04	2.162e4	1.416e4	1.392	1.53	1.55	199.4	YES	NO	bb	bb	5.280
14	124679-HXCDD	34.12	4.343e4	3.601e4	1.033	1.21	1.24	405.3	YES	NO	bb	bb	12.696
15	123789-HxCDD	36.62	9.543e3	7.706e3	0.985	1.24	1.24	90.8	YES	NO	bb	bb	2.868
16	123678-HxCDD	36.24	2.440e4	2.026e4	1.021	1.20	1.24	238.1	YES	NO	dd	db	7.118
17	123478-HxCDD	36.12	4.426e3	3.647e3	0.987	1.21	1.24	44.2	YES	NO	bd	bd	1.350
18	Total-hexadioxins	35.25	5.732e4	4.441e4	1.007	1.29	1.24	368.9	YES	NO	bb	bd	16.564
19	Total-hexadioxins	34.88	4.114e4	3.384e4	1.007	1.22	1.24	393.3	YES	NO	bb	bb	12.208
20	1234678-HpCDD	40.38	4.652e5	4.450e5	1.253	1.05	1.05	2522.7	YES	NO	bd	bb	189.988
21	1234679-HPCDD	39.32	4.089e5	3.948e5	1.286	1.04	1.05	2338.0	YES	NO	bd	bb	163.379
22	OCDD	45.16	2.677e6	3.068e6	1.103	0.87	0.89	15177.4	YES	NO	bb	bb	1573.8...
23	12479-PECDD	28.96	2.136e4	1.488e4	1.837	1.44	1.55	124.1	YES	NO	MM	MM	4.052

ID: 22L0307-30, Name: 23020728, Date: 08-Feb-2023, Time: 07:28:17, Conditions: AUTOSPEC01, User: pk

TotalTEQ,Furans,Dioxins

	Compound	RT	Ion1Area	Ion2Area	RRF	Ratio	Pred R	S/N 1	SNFlag	EMPC	Int.1	Int.2	pg
1	Total-tetrafurans	24.13	2.567e3	3.863e3	0.933	0.66	0.77	31.5	YES	NO	bb	db	0.907
2	Total-tetrafurans	23.89	6.717e3	1.003e4	0.933	0.67	0.77	82.3	YES	NO	bd	dd	2.364
3	Total-tetrafurans	23.63	5.072e3	7.043e3	0.933	0.72	0.77	56.7	YES	NO	dd	dd	1.710
4	Total-tetrafurans	23.52	3.167e3	4.836e3	0.933	0.65	0.77	32.7	YES	NO	dd	dd	1.130
5	Total-tetrafurans	23.40	3.011e3	3.910e3	0.933	0.77	0.77	24.0	YES	NO	dd	dd	0.977
6	Total-tetrafurans	23.36	1.411e3	1.903e3	0.933	0.74	0.77	21.4	YES	NO	dd	dd	0.468
7	Total-tetrafurans	23.22	1.111e4	1.478e4	0.933	0.75	0.77	122.0	YES	NO	bd	bd	3.655
8	Total-tetrafurans	22.65	2.775e3	3.918e3	0.933	0.71	0.77	32.4	YES	NO	bb	bb	0.945
9	1368-TCDF	22.37	1.880e3	2.576e3	1.064	0.73	0.77	19.2	YES	NO	bb	bb	0.551
10	Total-tetrafurans	26.89	5.241e2	5.966e2	0.933	0.88	0.77	5.3	YES	NO	bb	bb	0.158
11	Total-tetrafurans	26.24	1.489e3	1.690e3	0.933	0.88	0.77	15.7	YES	NO	dd	db	0.449
12	Total-tetrafurans	26.12	3.896e3	5.349e3	0.933	0.73	0.77	43.6	YES	NO	dd	dd	1.305
13	Total-tetrafurans	26.02	1.562e3	1.903e3	0.933	0.82	0.77	16.3	YES	NO	dd	dd	0.489
14	2378-TCDF	25.88	3.805e3	5.103e3	0.876	0.75	0.77	42.1	YES	NO	dd	bd	1.339
15	Total-tetrafurans	24.97	3.056e3	4.458e3	0.933	0.69	0.77	35.7	YES	NO	bb	bb	1.061
16	Total-tetrafurans	24.78	7.431e3	9.957e3	0.933	0.75	0.77	80.9	YES	NO	db	db	2.454
17	Total-tetrafurans	24.64	1.802e3	2.557e3	0.933	0.70	0.77	25.0	YES	NO	dd	dd	0.615
18	Total-tetrafurans	24.55	3.336e3	4.109e3	0.933	0.81	0.77	28.6	YES	NO	dd	bd	1.051
19	Total-pentafurans	30.25	6.564e3	4.463e3	0.866	1.47	1.55	73.3	YES	NO	bd	bd	1.785
20	12378-PeCDF	30.06	3.942e3	2.471e3	0.845	1.60	1.55	40.0	YES	NO	bb	bb	1.042
21	Total-pentafurans	29.76	2.711e3	1.724e3	0.866	1.57	1.55	30.1	YES	NO	db	dd	0.718
22	Total-pentafurans	29.69	6.681e3	4.855e3	0.866	1.38	1.55	64.7	YES	NO	dd	dd	1.867
23	Total-pentafurans	29.58	2.059e3	1.388e3	0.866	1.48	1.55	25.0	YES	NO	dd	dd	0.558
24	Total-pentafurans	28.98	5.516e4	3.619e4	0.866	1.52	1.55	423.5	YES	NO	dd	MM	14.787
25	Total-pentafurans	28.80	6.680e3	4.317e3	0.866	1.55	1.55	53.0	YES	NO	dd	dd	1.780
26	Total-pentafurans	28.68	1.173e3	8.646e2	0.866	1.36	1.55	15.3	YES	NO	bd	bd	0.330
27	Total-pentafurans	32.42	5.842e2	4.036e2	0.866	1.45	1.55	6.4	YES	NO	db	db	0.160
28	23478-PeCDF	31.40	8.791e3	6.000e3	0.911	1.47	1.55	87.0	YES	NO	db	db	2.329
29	Total-pentafurans	31.24	1.081e4	6.833e3	0.866	1.58	1.55	114.4	YES	NO	dd	dd	2.856
30	Total-pentafurans	31.13	2.306e3	1.585e3	0.866	1.46	1.55	24.7	YES	NO	bd	bd	0.630
31	123468-HXCDF	33.35	3.066e4	2.468e4	1.197	1.24	1.24	381.2	YES	NO	dd	dd	7.612
32	123789-HxCDF	36.99	1.060e4	8.145e3	1.187	1.30	1.24	129.0	YES	NO	bb	bb	2.996
33	234678-HxCDF	35.96	2.347e4	1.885e4	1.229	1.25	1.24	221.0	YES	NO	bb	bb	5.952
34	Total-hexafurans	35.66	4.610e2	3.735e2	1.208	1.23	1.24	6.9	YES	NO	bb	bb	0.118
35	Total-hexafurans	35.49	1.643e3	1.476e3	1.208	1.11	1.24	21.9	YES	NO	db	db	0.443
36	123678-HxCDF	35.15	1.667e4	1.343e4	1.248	1.24	1.24	208.9	YES	NO	dd	dd	3.903
37	123478-HxCDF	35.01	7.651e4	6.009e4	1.182	1.27	1.24	1007.1	YES	NO	dd	dd	19.038

ID: 22L0307-30, Name: 23020728, Date: 08-Feb-2023, Time: 07:28:17, Conditions: AUTOSPEC01, User: pk

TotalTEQ,Furans,Dioxins

	Compound	RT	Ion1Area	Ion2Area	RRF	Ratio	Pred R	S/N 1	SNFlag	EMPC	Int.1	Int.2	pg
38	Total-hexafurans	34.86	5.958e3	4.783e3	1.208	1.25	1.24	76.1	YES	NO	bd	bd	1.525
39	Total-hexafurans	34.38	2.542e5	2.059e5	1.208	1.23	1.24	3230.4	YES	NO	bb	bb	65.332
40	Total-hexafurans	34.08	4.147e3	3.322e3	1.208	1.25	1.24	56.6	YES	NO	bb	bb	1.061
41	Total-hexafurans	33.56	1.182e5	9.437e4	1.208	1.25	1.24	1413.7	YES	NO	dd	dd	30.182
42	1234789-HpCDF	41.12	2.648e4	2.578e4	1.165	1.03	1.05	243.7	YES	NO	bd	bb	11.175
43	Total-heptafurans	39.53	6.297e5	6.223e5	1.185	1.01	1.05	6590.4	YES	NO	bd	bd	241.410
44	Total-heptafurans	39.28	3.422e3	3.068e3	1.185	1.12	1.05	35.6	YES	NO	bb	bb	1.252
45	1234678-HpCDF	38.87	2.310e5	2.285e5	1.204	1.01	1.05	2455.0	YES	NO	bd	bd	80.478
46	OCDF	45.39	3.924e5	4.474e5	1.186	0.88	0.89	4400.9	YES	NO	bd	bb	213.845
47	Total-penta1	28.03	5.338e2	3.964e2		1.35	1.55	9.0	YES	NO	bb	bb	0.139
48	Total-penta1	27.32	7.351e4	4.890e4		1.50	1.55	1320.5	YES	NO	bb	bb	18.311
49	Total-tetradioxins	26.15	2.518e3	3.247e3	1.099	0.78	0.77	33.0	YES	NO	bb	bb	0.888
50	Total-tetradioxins	25.70	4.261e3	5.349e3	1.099	0.80	0.77	71.4	YES	NO	bd	bd	1.480
51	Total-tetradioxins	25.14	3.776e3	4.665e3	1.099	0.81	0.77	70.0	YES	NO	bb	bb	1.300
52	Total-tetradioxins	24.66	9.383e2	1.249e3	1.099	0.75	0.77	16.0	YES	NO	bb	bd	0.337
53	Total-tetradioxins	24.14	6.442e2	9.422e2	1.099	0.68	0.77	12.3	YES	NO	bb	bb	0.244
54	Total-tetradioxins	23.92	1.585e4	2.143e4	1.099	0.74	0.77	287.3	YES	NO	bb	bb	5.741
55	1368-TCDD	23.64	1.840e4	2.225e4	1.084	0.83	0.77	351.0	YES	NO	bb	bb	6.341
56	Total-tetradioxins	26.65	6.158e2	8.259e2	1.099	0.75	0.77	9.3	YES	NO	db	db	0.222
57	12378-PeCDD	31.63	4.002e3	2.479e3	1.087	1.61	1.55	31.0	YES	NO	bb	bb	1.225
58	Total-pentadioxins	30.96	7.983e3	5.343e3	1.392	1.49	1.55	69.8	YES	NO	bb	bb	1.966
59	Total-pentadioxins	30.39	1.793e4	1.124e4	1.392	1.60	1.55	158.7	YES	NO	bd	bb	4.304
60	Total-pentadioxins	30.25	3.260e3	1.869e3	1.392	1.74	1.55	35.0	YES	NO	bb	bb	0.757
61	Total-pentadioxins	30.04	2.162e4	1.416e4	1.392	1.53	1.55	199.4	YES	NO	bb	bb	5.280
62	124679-HXCDD	34.12	4.343e4	3.601e4	1.033	1.21	1.24	405.3	YES	NO	bb	bb	12.696
63	123789-HxCDD	36.62	9.543e3	7.706e3	0.985	1.24	1.24	90.8	YES	NO	bb	bb	2.868
64	123678-HxCDD	36.24	2.440e4	2.026e4	1.021	1.20	1.24	238.1	YES	NO	dd	db	7.118
65	123478-HxCDD	36.12	4.426e3	3.647e3	0.987	1.21	1.24	44.2	YES	NO	bd	bd	1.350
66	Total-hexadioxins	35.25	5.732e4	4.441e4	1.007	1.29	1.24	368.9	YES	NO	bb	bd	16.564
67	Total-hexadioxins	34.88	4.114e4	3.384e4	1.007	1.22	1.24	393.3	YES	NO	bb	bb	12.208
68	1234678-HpCDD	40.38	4.652e5	4.450e5	1.253	1.05	1.05	2522.7	YES	NO	bd	bb	189.988
69	1234679-HPCDD	39.32	4.089e5	3.948e5	1.286	1.04	1.05	2338.0	YES	NO	bd	bb	163.379
70	OCDD	45.16	2.677e6	3.068e6	1.103	0.87	0.89	15177.4	YES	NO	bb	bb	1573.8...
71	12479-PECDD	28.96	2.136e4	1.488e4	1.837	1.44	1.55	124.1	YES	NO	MM	MM	4.052

ID: 22L0307-30, Name: 23020728, Date: 08-Feb-2023, Time: 07:28:17, Conditions: AUTOSPEC01, User: pk

PFK1

	Compound	RT	Ion1Area	Ion2Area	RRF	Ratio	Pred R	S/N 1	SNFlag	EMPC	Int.1	Int.2	pg
1	FUNCTION1 PFK	21.69	1.112e6					14.7	YES		dd		
2	FUNCTION1 PFK	21.53	1.432e6					13.8	YES		bd		
3	FUNCTION1 PFK	21.35	6.268e5					10.3	YES		db		
4	FUNCTION1 PFK	21.25	1.533e5					6.1	YES		dd		
5	FUNCTION1 PFK	21.15	8.731e4					2.6	NO		dd		
6	FUNCTION1 PFK	21.13	4.138e4					2.7	NO		bd		
7	FUNCTION1 PFK	24.37	2.086e4					0.9	NO		bb		
8	FUNCTION1 PFK	24.29	1.760e4					1.0	NO		bb		
9	FUNCTION1 PFK	24.04	3.247e4					1.8	NO		bb		
10	FUNCTION1 PFK	23.83	3.871e3					0.5	NO		bb		
11	FUNCTION1 PFK	23.43	6.612e4					2.1	NO		db		
12	FUNCTION1 PFK	23.34	5.380e4					2.0	NO		bd		
13	FUNCTION1 PFK	23.07	2.831e5					4.7	YES		db		
14	FUNCTION1 PFK	22.93	3.481e5					6.3	YES		dd		
15	FUNCTION1 PFK	22.87	1.864e5					6.5	YES		dd		
16	FUNCTION1 PFK	22.80	2.166e5					7.6	YES		dd		
17	FUNCTION1 PFK	22.74	3.138e5					8.6	YES		dd		
18	FUNCTION1 PFK	22.42	2.833e6					12.2	YES		bd		
19	FUNCTION1 PFK	22.09	1.115e6					14.5	YES		db		
20	FUNCTION1 PFK	21.97	4.425e5					14.2	YES		dd		
21	FUNCTION1 PFK	21.91	4.406e5					14.3	YES		dd		
22	FUNCTION1 PFK	21.84	4.103e5					13.1	YES		dd		
23	FUNCTION1 PFK	27.67	1.782e5					3.4	YES		db		
24	FUNCTION1 PFK	27.59	1.319e5					2.8	NO		bd		
25	FUNCTION1 PFK	26.99	1.465e4					1.0	NO		bb		
26	FUNCTION1 PFK	26.20	1.394e4					0.8	NO		bb		
27	FUNCTION1 PFK	26.00	1.656e4					1.0	NO		bb		
28	FUNCTION1 PFK	25.84	3.577e3					0.4	NO		bb		
29	FUNCTION1 PFK	25.69	1.256e4					0.9	NO		bb		
30	FUNCTION1 PFK	25.49	2.072e4					1.3	NO		bb		
31	FUNCTION1 PFK	25.00	4.887e4					1.4	NO		bb		

PFK2

	Compound	RT	Ion1Area	Ion2Area	RRF	Ratio	Pred R	S/N 1	SNFlag	EMPC	Int.1	Int.2	pg
1	FUNCTION2 PFK	29.52	1.831e4					2.6	NO		bb		0.000

ID: 22L0307-30, Name: 23020728, Date: 08-Feb-2023, Time: 07:28:17, Conditions: AUTOSPEC01, User: pk

PFK3

	Compound	RT	Ion1Area	Ion2Area	RRF	Ratio	Pred R	S/N 1	SNFlag	EMPC	Int.1	Int.2	pg
1	FUNCTION3 PFK	37.17	4.805e5					12.7	YES		db		0.000
2	FUNCTION3 PFK	37.02	4.525e5					15.9	YES		bd		0.000
3	FUNCTION3 PFK	36.82	6.157e5					12.5	YES		bb		0.000
4	FUNCTION3 PFK	33.06	6.434e4					5.3	YES		bb		0.000

PFK4

	Compound	RT	Ion1Area	Ion2Area	RRF	Ratio	Pred R	S/N 1	SNFlag	EMPC	Int.1	Int.2	pg
1	FUNCTION4 PFK	42.89	7.401e3					1.4	NO		bb		
2	FUNCTION4 PFK	42.77	6.321e3					1.4	NO		bb		
3	FUNCTION4 PFK	42.71	6.737e3					1.5	NO		bb		
4	FUNCTION4 PFK	42.19	6.112e3					1.6	NO		bb		
5	FUNCTION4 PFK	42.10	6.643e3					1.2	NO		bb		
6	FUNCTION4 PFK	41.79	1.486e4					2.2	NO		bb		
7	FUNCTION4 PFK	41.72	1.298e4					1.7	NO		bb		
8	FUNCTION4 PFK	41.01	7.293e2					0.5	NO		bb		
9	FUNCTION4 PFK	39.79	1.546e4					1.7	NO		bb		
10	FUNCTION4 PFK	39.35	2.806e3					1.0	NO		bb		
11	FUNCTION4 PFK	38.44	3.520e3					1.1	NO		bb		
12	FUNCTION4 PFK	38.17	1.283e4					2.9	NO		db		
13	FUNCTION4 PFK	38.09	4.303e4					5.8	YES		dd		
14	FUNCTION4 PFK	38.05	3.541e4					7.8	YES		bd		

ID: 22L0307-30, Name: 23020728, Date: 08-Feb-2023, Time: 07:28:17, Conditions: AUTOSPEC01, User: pk

PFK5

	Compound	RT	Ion1Area	Ion2Area	RRF	Ratio	Pred R	S/N 1	SNFlag	EMPC	Int.1	Int.2	pg
1	FUNCTION5 PFK	44.98	6.912e3					1.5	NO		bd		
2	FUNCTION5 PFK	44.85	4.582e3					1.7	NO		bb		
3	FUNCTION5 PFK	44.74	1.708e3					1.0	NO		bb		
4	FUNCTION5 PFK	44.50	3.420e2					0.4	NO		bb		
5	FUNCTION5 PFK	44.28	8.870e3					1.9	NO		bb		
6	FUNCTION5 PFK	44.24	3.340e3					1.1	NO		bb		
7	FUNCTION5 PFK	44.08	2.161e3					0.9	NO		bb		
8	FUNCTION5 PFK	43.97	5.619e2					0.6	NO		bb		
9	FUNCTION5 PFK	43.93	3.185e3					1.2	NO		bb		
10	FUNCTION5 PFK	43.79	4.688e2					0.5	NO		bb		
11	FUNCTION5 PFK	43.64	8.176e3					2.7	NO		db		
12	FUNCTION5 PFK	43.60	8.108e3					3.3	YES		dd		
13	FUNCTION5 PFK	43.52	1.212e5					6.7	YES		dd		
14	FUNCTION5 PFK	43.34	2.841e5					13.4	YES		dd		
15	FUNCTION5 PFK	43.18	1.860e5					18.1	YES		dd		
16	FUNCTION5 PFK	43.08	1.937e5					21.3	YES		bd		
17	FUNCTION5 PFK	46.23	8.627e2					0.6	NO		bb		
18	FUNCTION5 PFK	46.12	3.223e3					0.9	NO		bb		
19	FUNCTION5 PFK	45.89	1.551e3					0.9	NO		bb		
20	FUNCTION5 PFK	45.82	1.479e3					0.6	NO		bb		
21	FUNCTION5 PFK	45.58	1.726e3					0.7	NO		bb		
22	FUNCTION5 PFK	45.47	2.548e3					0.8	NO		bb		
23	FUNCTION5 PFK	45.29	2.404e3					1.2	NO		bb		
24	FUNCTION5 PFK	45.09	6.458e3					1.7	NO		bb		
25	FUNCTION5 PFK	45.02	4.797e3					1.2	NO		db		

ID: 22L0307-30, Name: 23020728, Date: 08-Feb-2023, Time: 07:28:17, Conditions: AUTOSPEC01, User: pk

ETHERS1

	Compound	RT	Ion1Area	Ion2Area	RRF	Ratio	Pred R	S/N 1	SNFlag	EMPC	Int.1	Int.2	pg
1	FUNCTION1 HXCD...	24.08	8.663e1					3.5	YES		bb		0.000
2	FUNCTION1 HXCD...	23.87	1.977e3					61.9	YES		bb		0.000
3	FUNCTION1 HXCD...	22.86	2.888e2					8.5	YES		bb		0.000
4	FUNCTION1 HXCD...	22.54	1.211e2					3.0	NO		db		0.000
5	FUNCTION1 HXCD...	22.43	3.379e2					10.8	YES		bd		0.000
6	FUNCTION1 HXCD...	22.27	2.777e2					8.9	YES		bb		0.000
7	FUNCTION1 HXCD...	27.77	1.197e2					4.0	YES		bb		0.000
8	FUNCTION1 HXCD...	26.89	5.091e2					15.2	YES		bb		0.000
9	FUNCTION1 HXCD...	26.24	1.740e3					55.0	YES		bb		0.000
10	FUNCTION1 HXCD...	26.02	1.872e2					5.7	YES		db		0.000
11	FUNCTION1 HXCD...	25.87	1.262e3					35.8	YES		bd		0.000
12	FUNCTION1 HXCD...	25.22	3.862e2					11.2	YES		bb		0.000

ETHERS2

	Compound	RT	Ion1Area	Ion2Area	RRF	Ratio	Pred R	S/N 1	SNFlag	EMPC	Int.1	Int.2	pg
1	FUNCTION1 HPCD...	23.48	1.934e3					37.4	YES		db		0.000
2	FUNCTION1 HPCD...	23.27	7.995e1					1.4	NO		bd		0.000
3	FUNCTION1 HPCD...	22.60	8.916e1					2.3	NO		db		0.000
4	FUNCTION1 HPCD...	22.54	9.156e1					2.1	NO		dd		0.000
5	FUNCTION1 HPCD...	22.42	2.010e2					3.6	YES		bd		0.000
6	FUNCTION1 HPCD...	22.18	1.944e2					4.4	YES		bb		0.000
7	FUNCTION1 HPCD...	22.04	1.349e2					3.4	YES		bb		0.000
8	FUNCTION1 HPCD...	21.35	7.207e1					1.1	NO		db		0.000
9	FUNCTION1 HPCD...	21.27	7.087e1					2.0	NO		bd		0.000
10	FUNCTION1 HPCD...	28.03	2.663e2					4.8	YES		bb		0.000
11	FUNCTION1 HPCD...	27.51	8.100e1					1.3	NO		bb		0.000
12	FUNCTION1 HPCD...	26.77	7.329e1					1.6	NO		bb		0.000
13	FUNCTION1 HPCD...	25.88	8.823e1					1.6	NO		bb		0.000
14	FUNCTION1 HPCD...	25.32	1.104e2					1.1	NO		bb		0.000
15	FUNCTION1 HPCD...	24.64	1.058e2					2.3	NO		bb		0.000

ID: 22L0307-30, Name: 23020728, Date: 08-Feb-2023, Time: 07:28:17, Conditions: AUTOSPEC01, User: pk

ETHERS3

	Compound	RT	Ion1Area	Ion2Area	RRF	Ratio	Pred R	S/N 1	SNFlag	EMPC	Int.1	Int.2	pg
1	FUNCTION2 HPCD...	32.31	7.559e2					22.3	YES		bb		0.000
2	FUNCTION2 HPCD...	31.25	1.085e2					6.2	YES		db		0.000
3	FUNCTION2 HPCD...	31.20	2.045e2					7.0	YES		bd		0.000
4	FUNCTION2 HPCD...	30.93	1.290e2					4.3	YES		bb		0.000
5	FUNCTION2 HPCD...	29.99	1.022e3					28.7	YES		bb		0.000
6	FUNCTION2 HPCD...	29.66	6.050e2					15.8	YES		bb		0.000
7	FUNCTION2 HPCD...	29.21	2.393e2					8.6	YES		db		0.000
8	FUNCTION2 HPCD...	29.06	1.904e3					61.6	YES		bd		0.000

ETHERS4

	Compound	RT	Ion1Area	Ion2Area	RRF	Ratio	Pred R	S/N 1	SNFlag	EMPC	Int.1	Int.2	pg
1	FUNCTION3 OCDPE	36.86	1.303e2					2.8	NO		bb		0.000
2	FUNCTION3 OCDPE	36.63	1.927e2					3.5	YES		bb		0.000
3	FUNCTION3 OCDPE	36.49	1.050e2					3.7	YES		db		0.000
4	FUNCTION3 OCDPE	36.41	2.980e2					6.4	YES		dd		0.000
5	FUNCTION3 OCDPE	36.32	1.763e2					3.5	YES		dd		0.000
6	FUNCTION3 OCDPE	36.29	9.043e1					3.2	YES		bd		0.000
7	FUNCTION3 OCDPE	36.10	2.599e2					5.3	YES		db		0.000
8	FUNCTION3 OCDPE	36.01	1.497e2					3.6	YES		dd		0.000
9	FUNCTION3 OCDPE	35.98	1.870e2					3.7	YES		bd		0.000
10	FUNCTION3 OCDPE	35.00	8.198e1					2.2	NO		db		0.000
11	FUNCTION3 OCDPE	34.94	2.116e2					3.3	YES		bd		0.000
12	FUNCTION3 OCDPE	34.32	2.074e2					5.9	YES		db		0.000
13	FUNCTION3 OCDPE	34.26	7.802e1					2.9	NO		bd		0.000
14	FUNCTION3 OCDPE	33.22	1.973e2					3.3	YES		bb		0.000

ETHERS5

	Compound	RT	Ion1Area	Ion2Area	RRF	Ratio	Pred R	S/N 1	SNFlag	EMPC	Int.1	Int.2	pg
1	FUNCTION4 NCDPE	38.50	4.721e3					106.2	YES		bb		0.000
2	FUNCTION4 NCDPE	40.83	7.302e1					2.7	NO		bb		0.000
3	FUNCTION4 NCDPE	40.35	1.278e3					22.5	YES		db		0.000
4	FUNCTION4 NCDPE	40.23	1.053e2					4.4	YES		dd		0.000
5	FUNCTION4 NCDPE	40.19	1.788e2					6.7	YES		dd		0.000
6	FUNCTION4 NCDPE	40.15	2.878e2					7.4	YES		dd		0.000
7	FUNCTION4 NCDPE	40.06	3.429e2					6.0	YES		bd		0.000

ID: 22L0307-30, Name: 23020728, Date: 08-Feb-2023, Time: 07:28:17, Conditions: AUTOSPEC01, User: pk

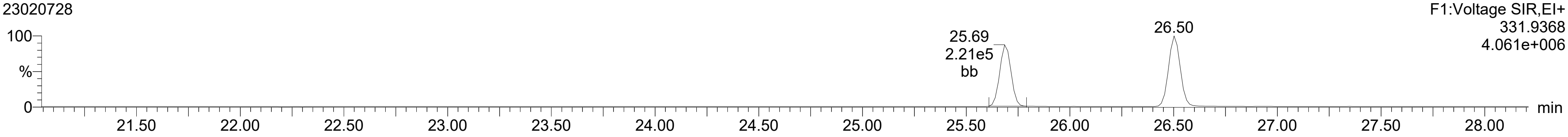
ETHERS6

	Compound	RT	Ion1Area	Ion2Area	RRF	Ratio	Pred R	S/N 1	SNFlag	EMPC	Int.1	Int.2	pg
1													

Method: T:\Autospec\Methods\Dioxin230206.mdb 07 Feb 2023 09:29:10
Calibration: T:\Autospec\Curves\230201ICIH.cdb 03 Feb 2023 10:33:40

ID: 22L0307-30, Name: 23020728, Date: 08-Feb-2023, Time: 07:28:17, Conditions: AUTOSPEC01, User: pk

13C-1234-TCDD



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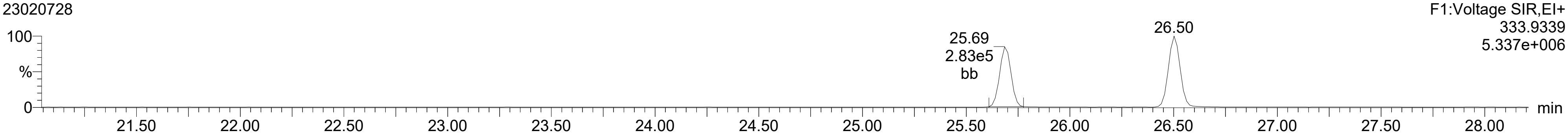
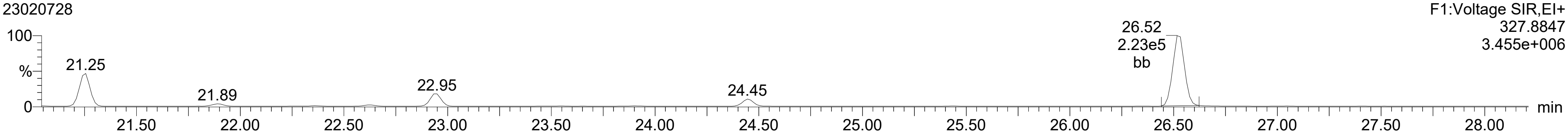


37CL-2378-TCDD



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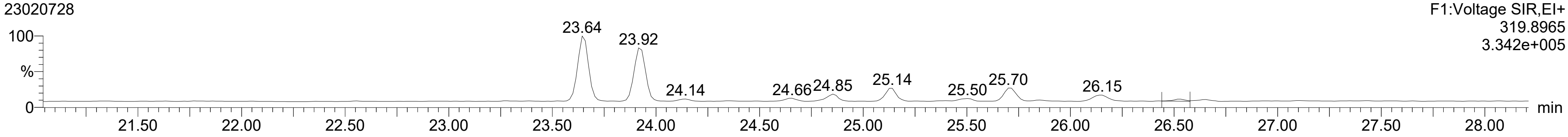
2378-TCDD



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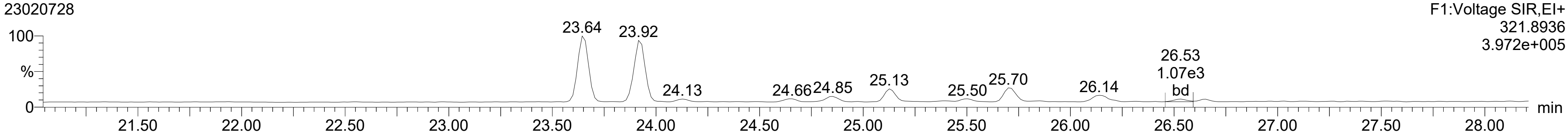

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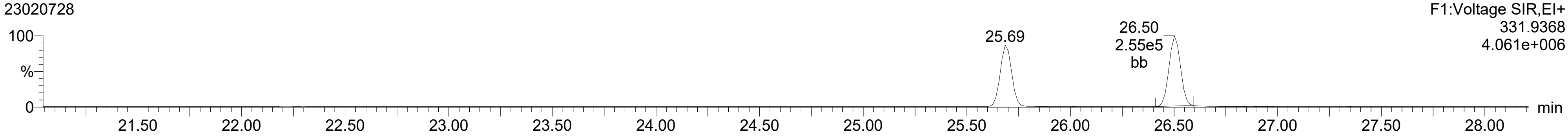

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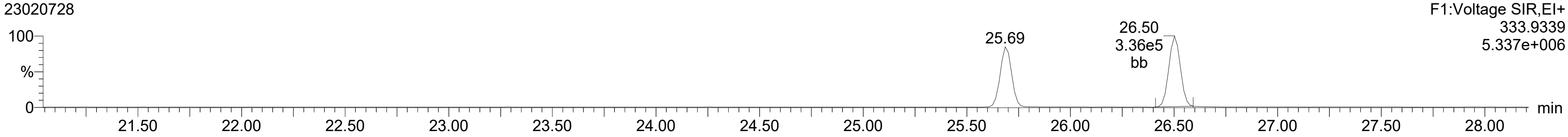

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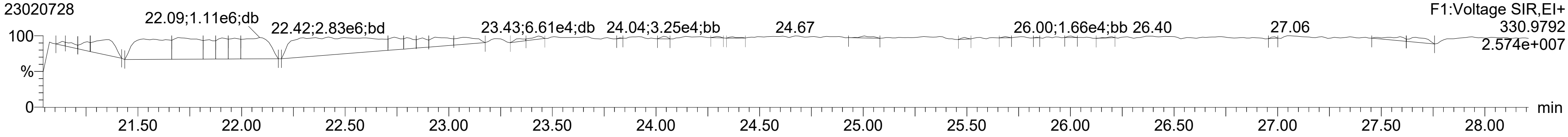

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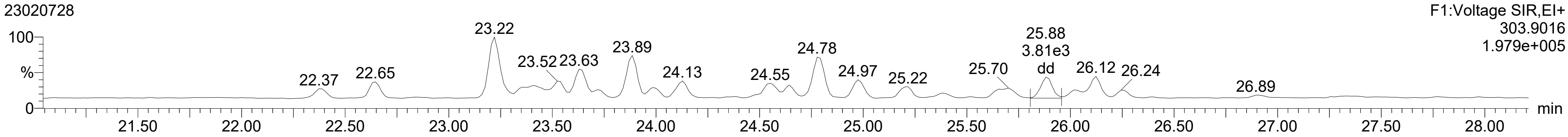

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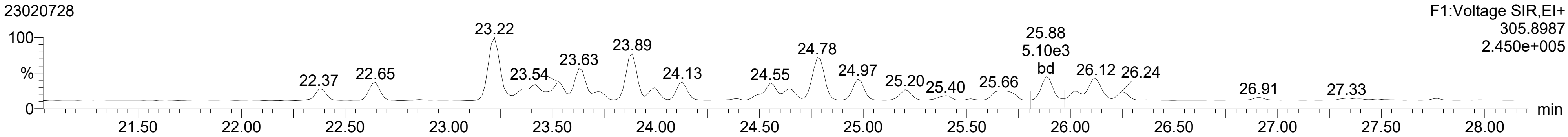

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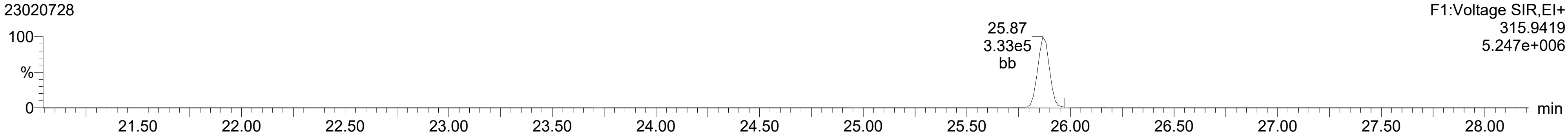

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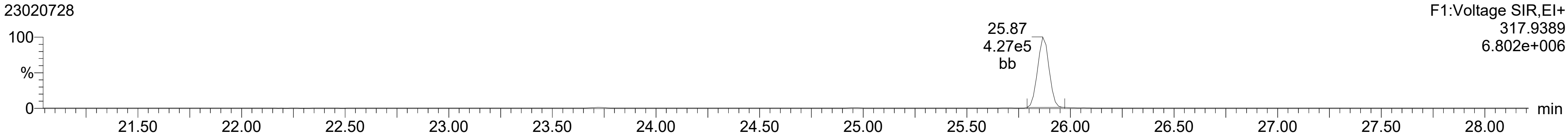
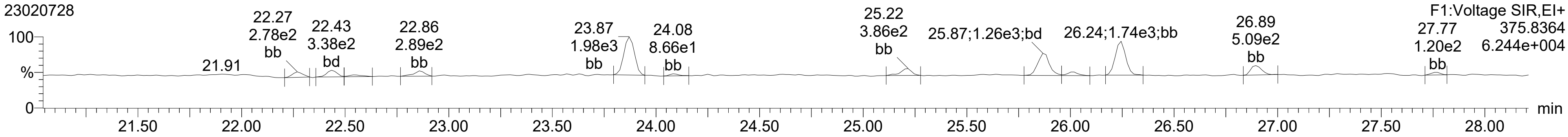


FUNCTION1 HXCDPE



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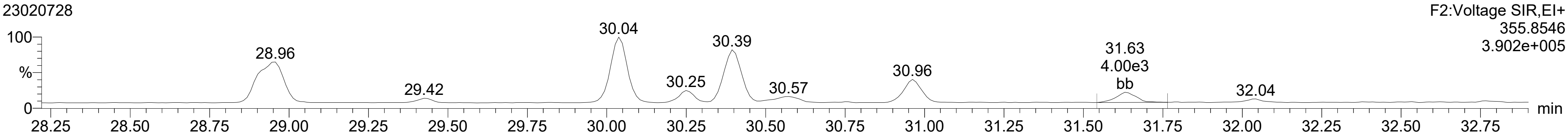
12378-PeCDD



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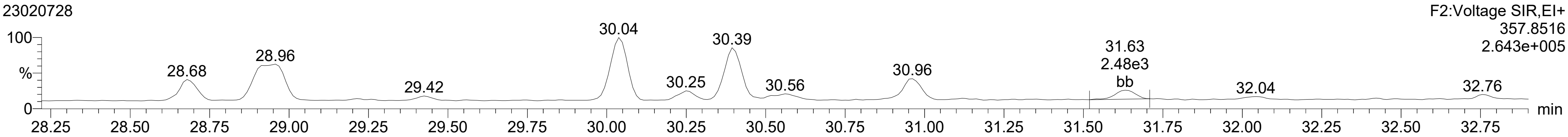

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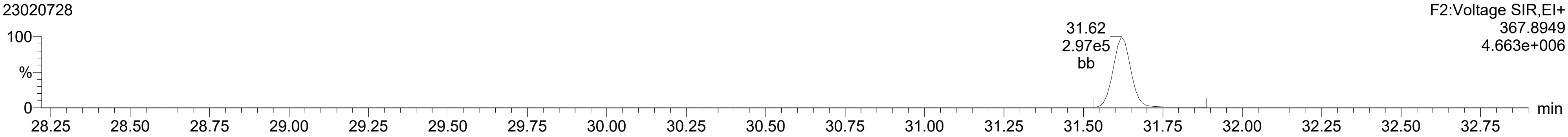

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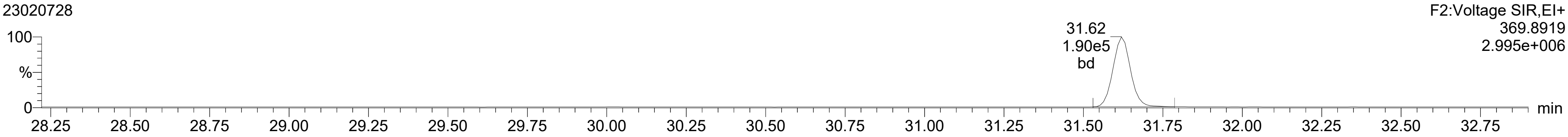
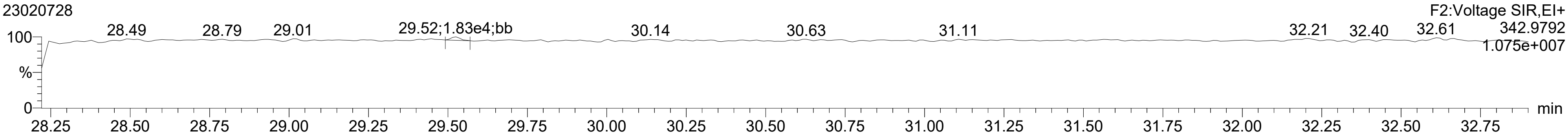


FUNCTION2 PFK



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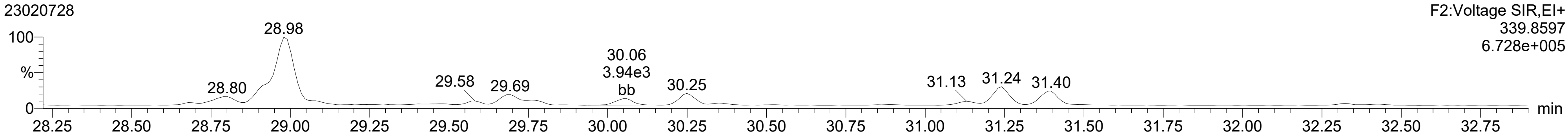

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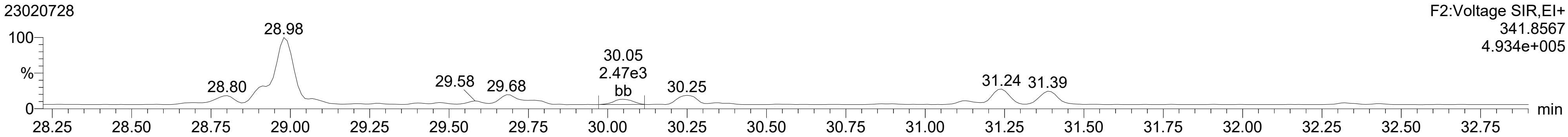

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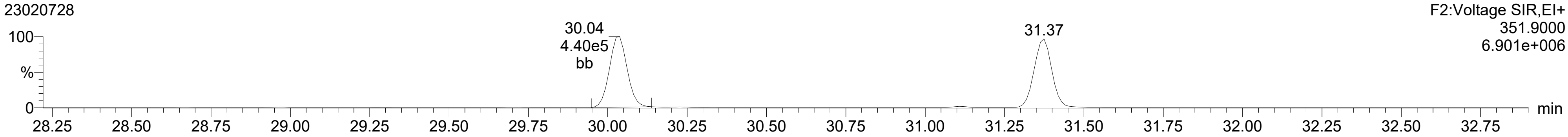

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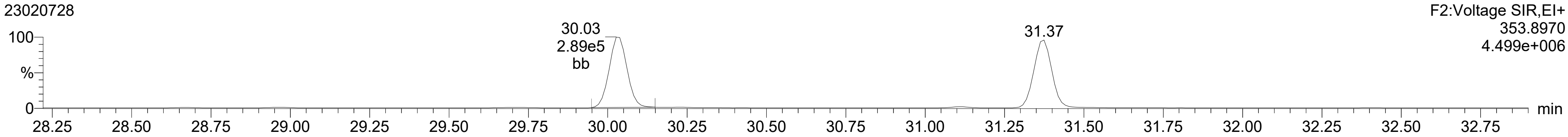

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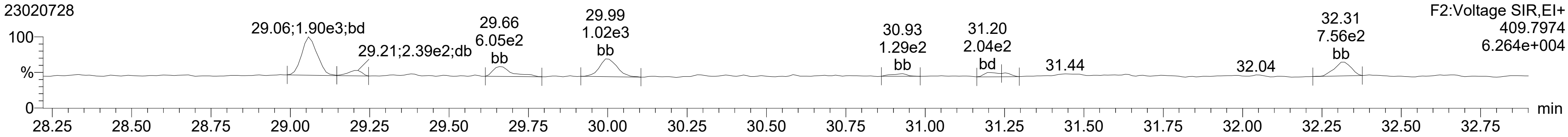

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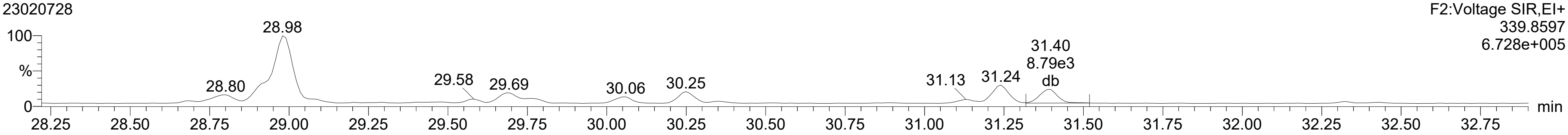
23478-PeCDF



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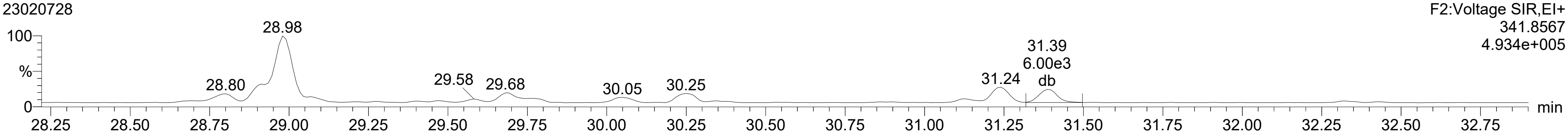

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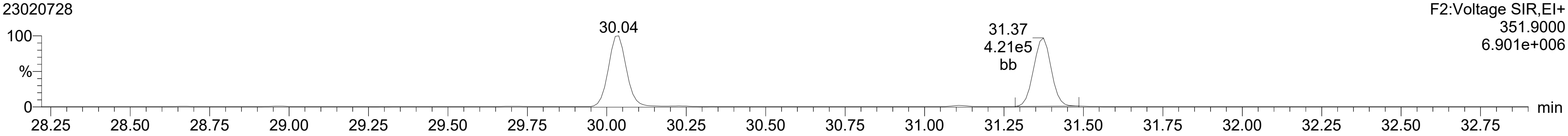

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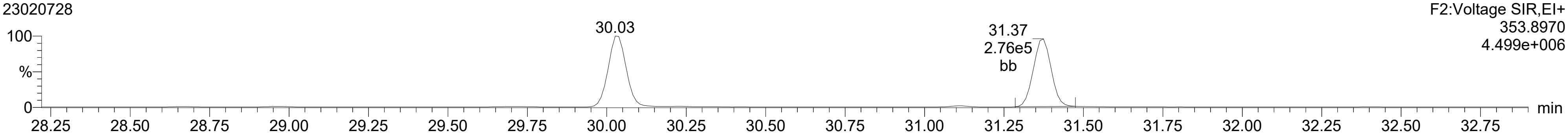

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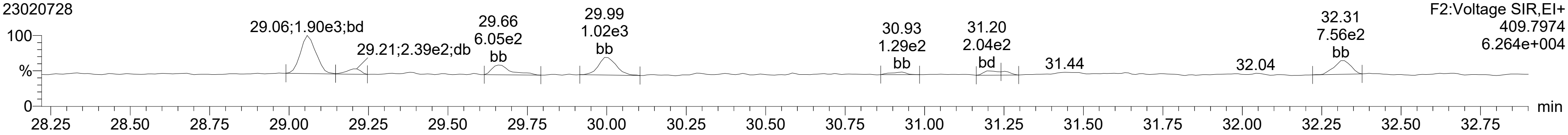

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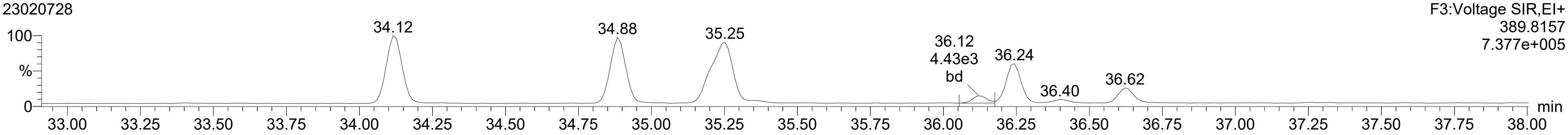
123478-HxCDD



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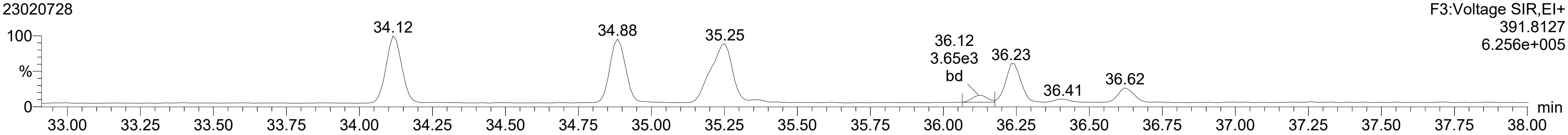

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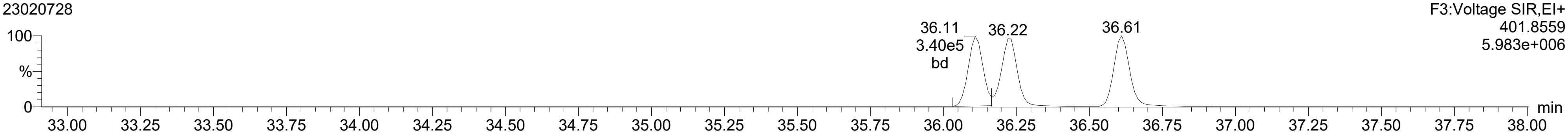

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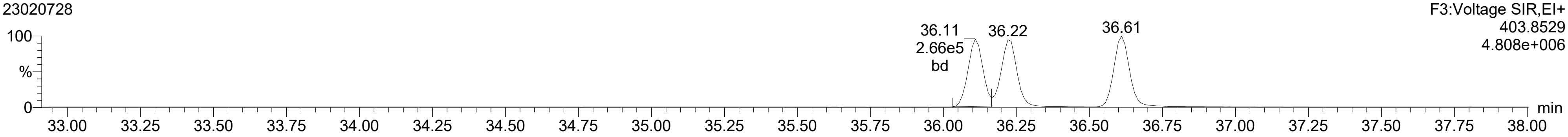

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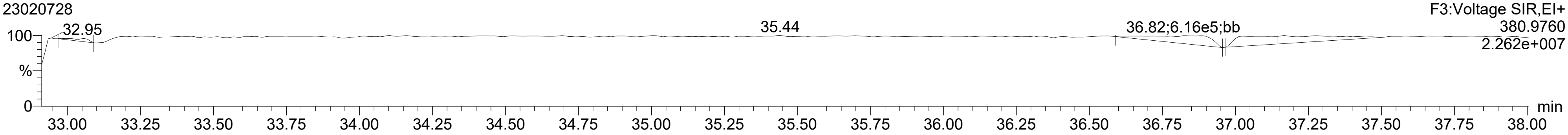

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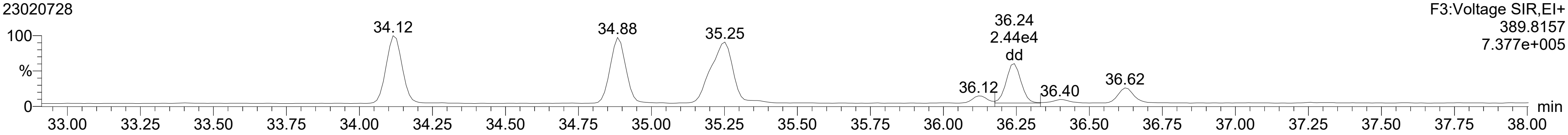

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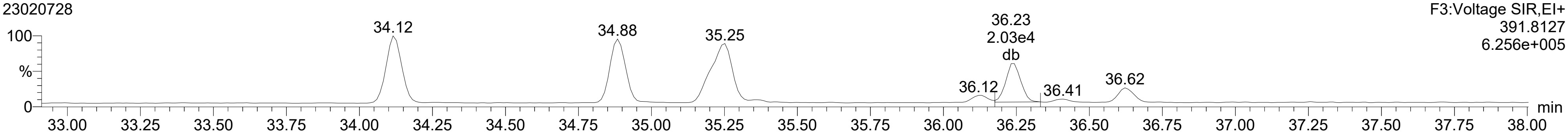

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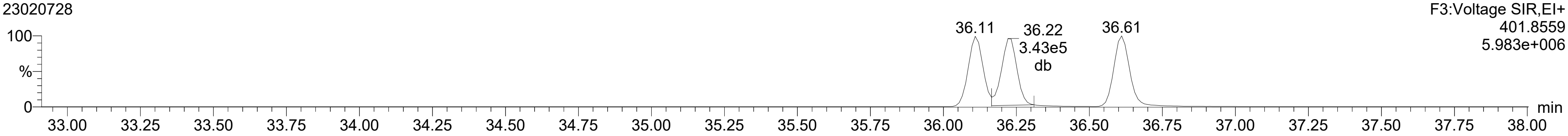

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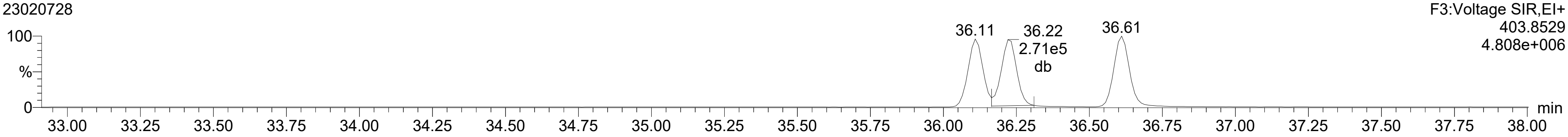

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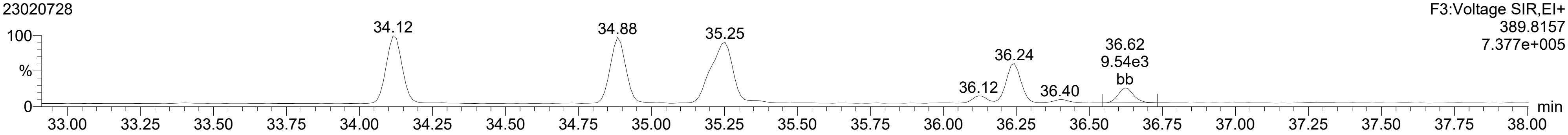
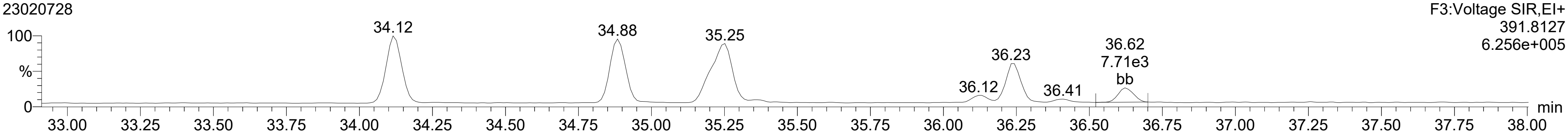
123789-HxCDD



123789-HxCDD



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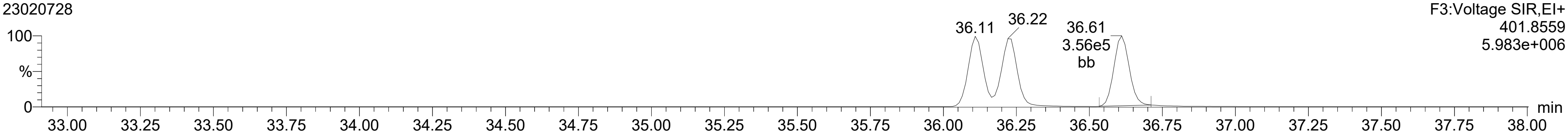

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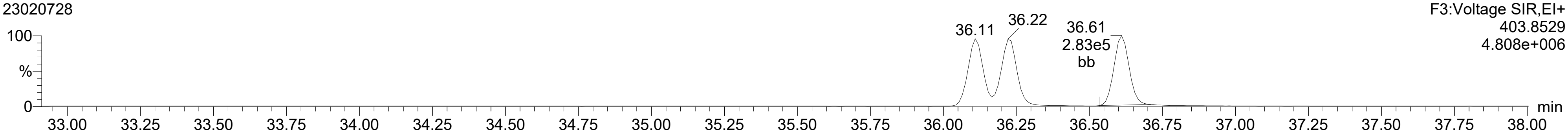

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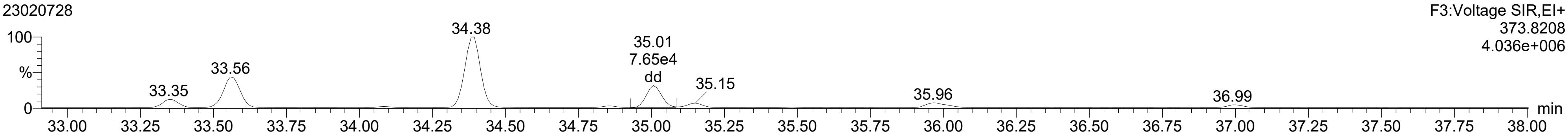

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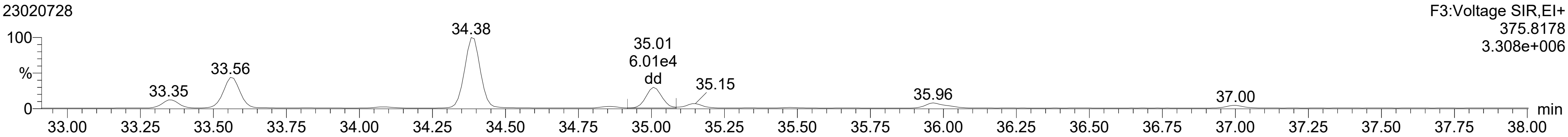

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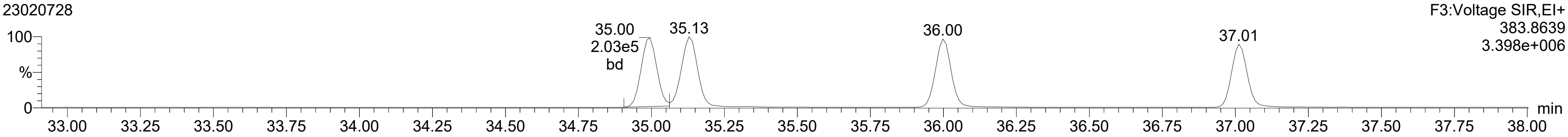

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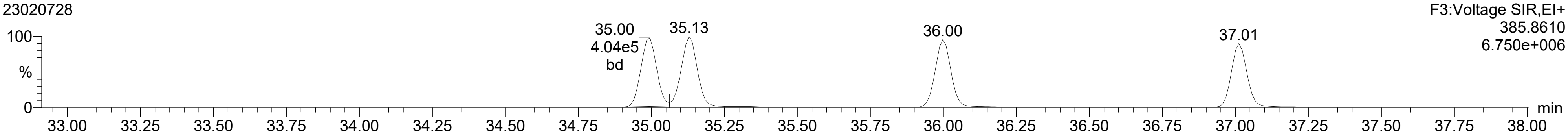

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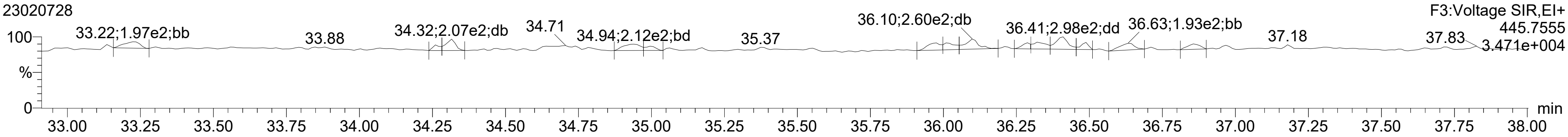

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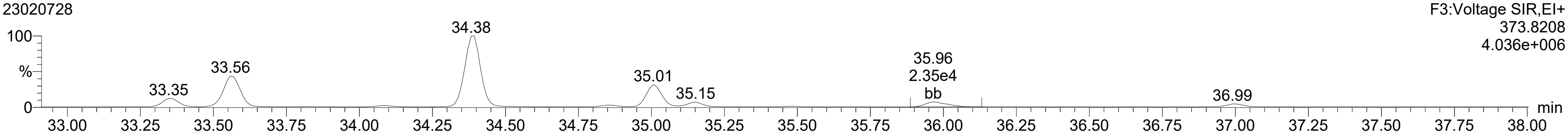

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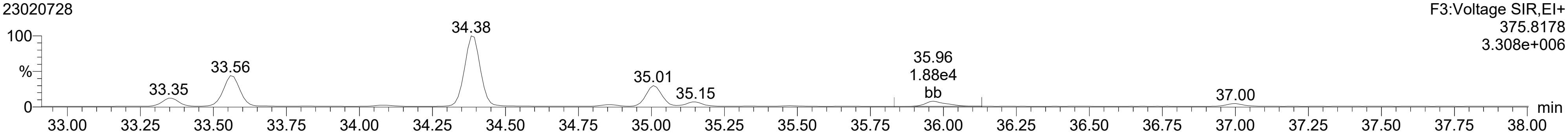

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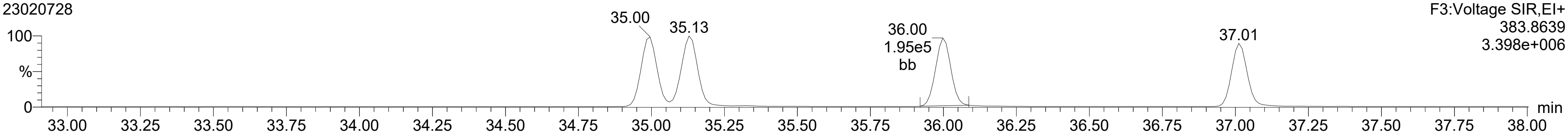

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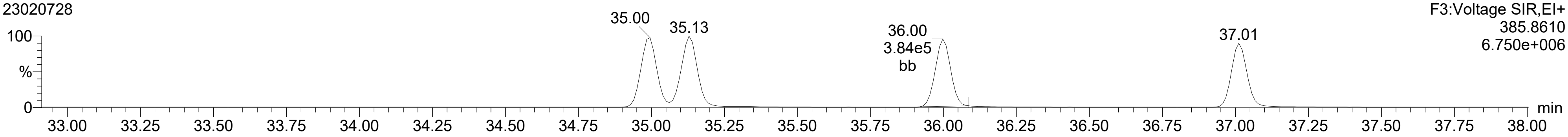

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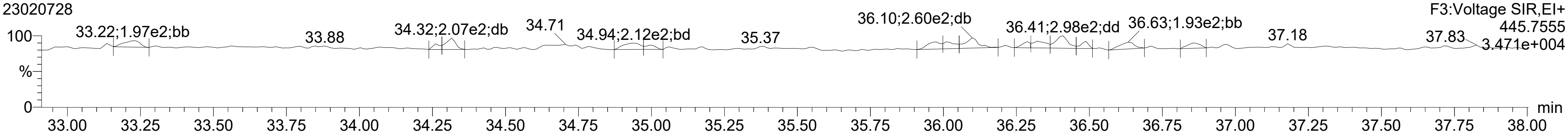

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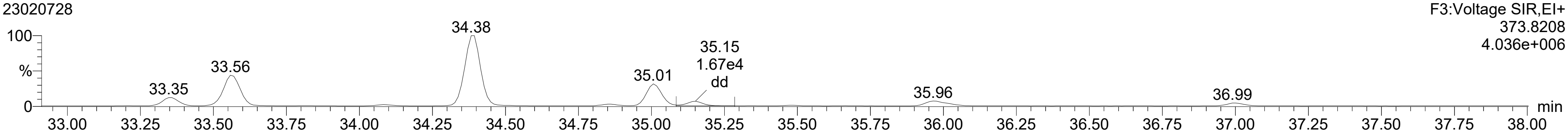

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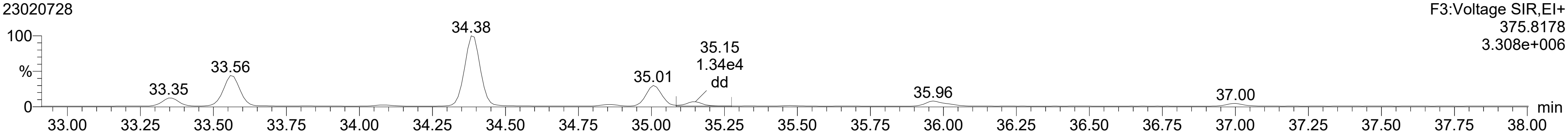

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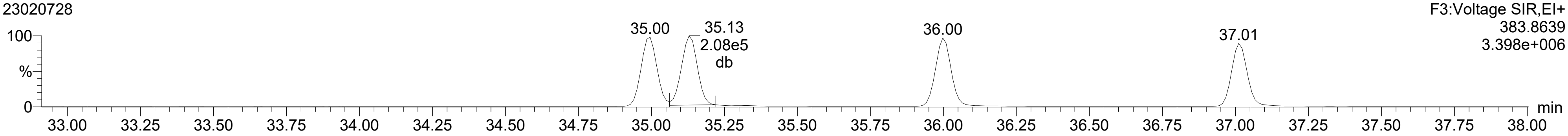

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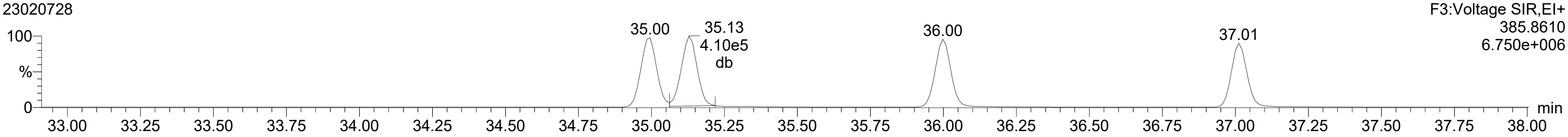

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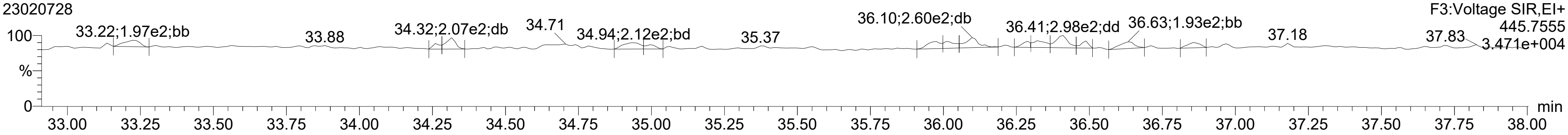

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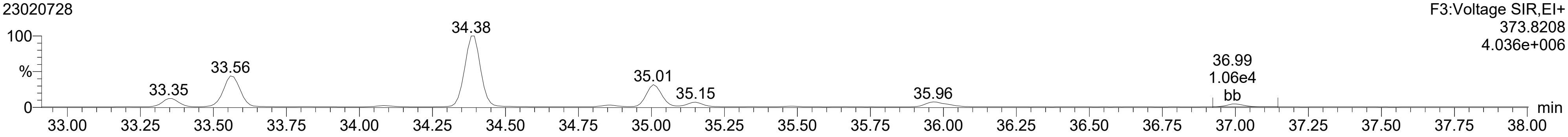

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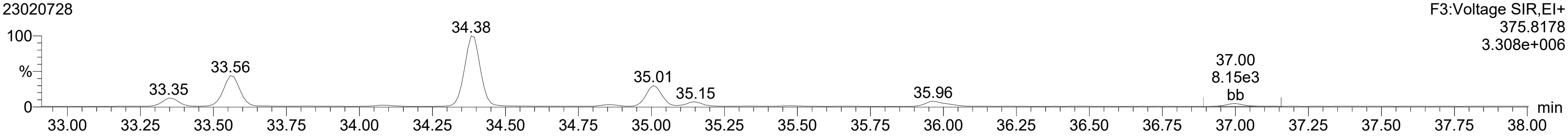

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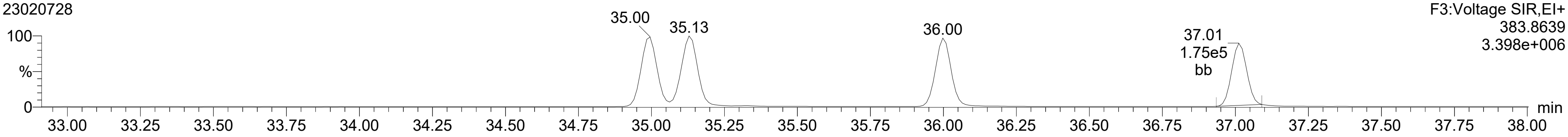

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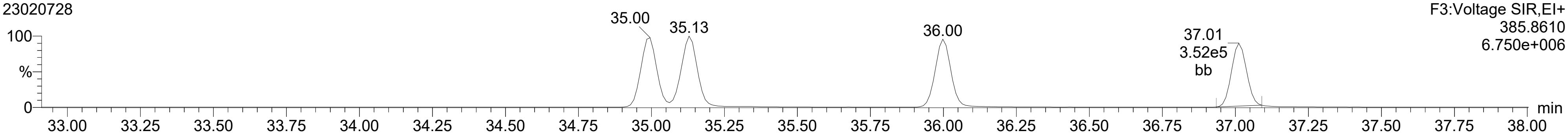

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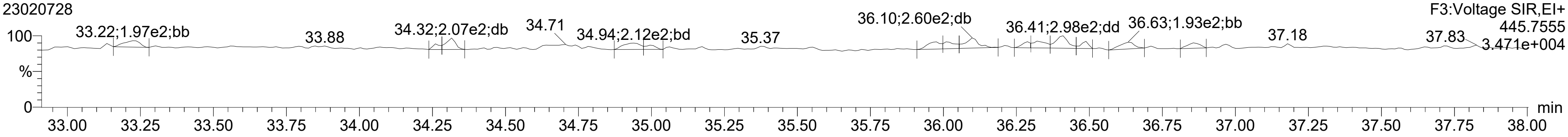

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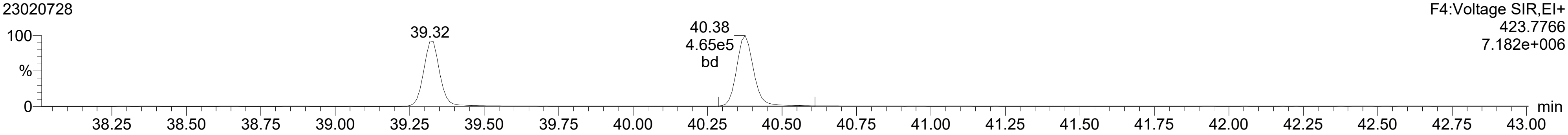

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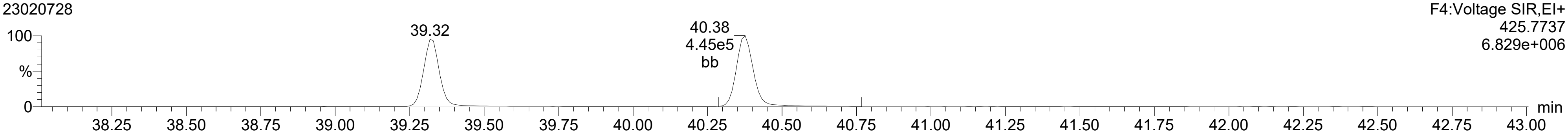

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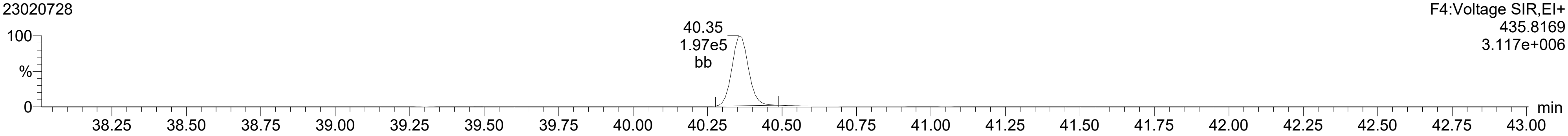

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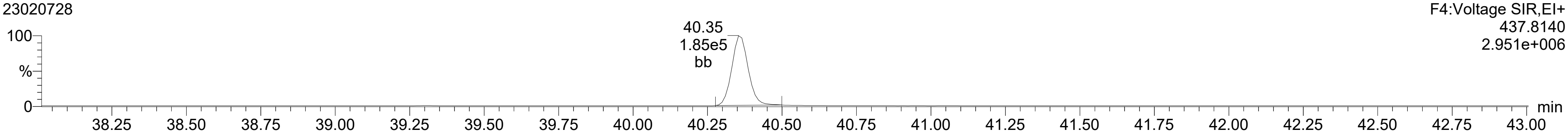

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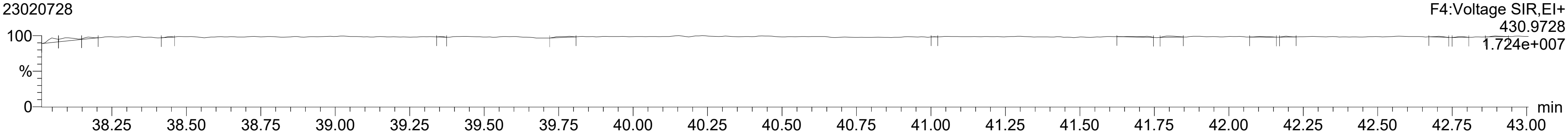

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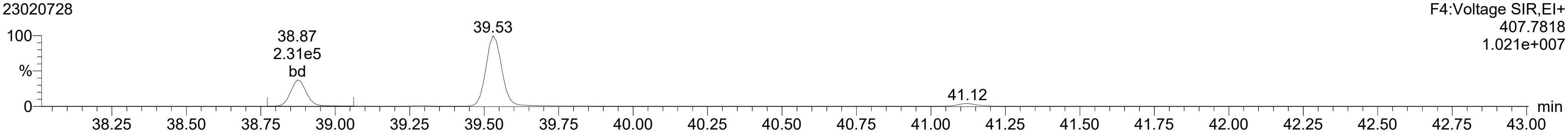

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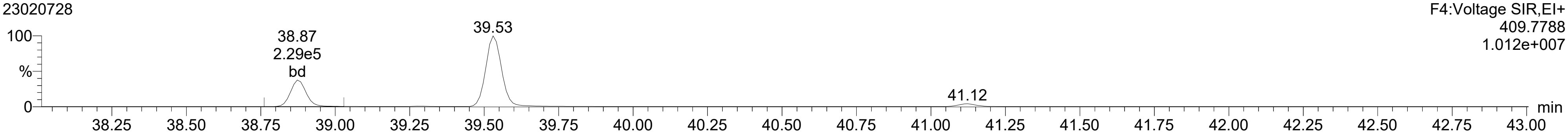

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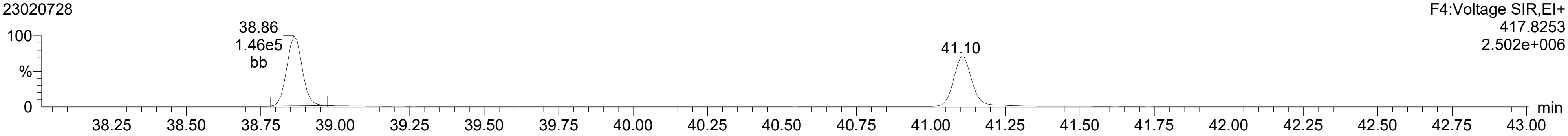

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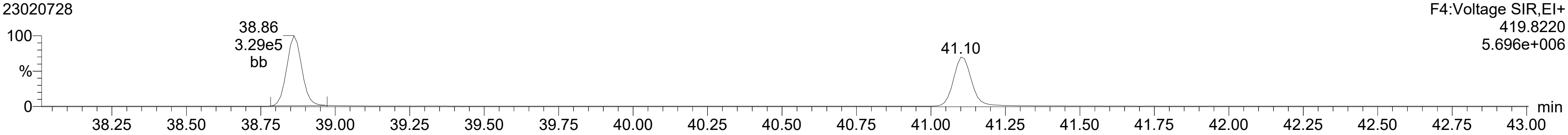

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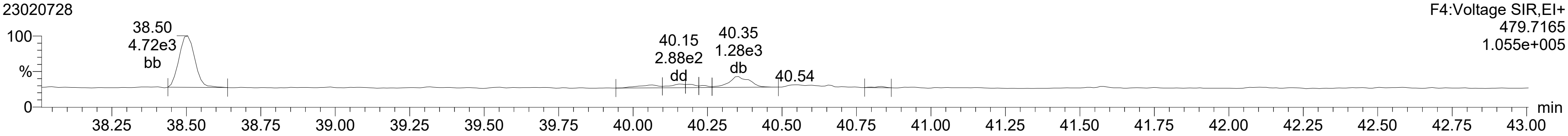

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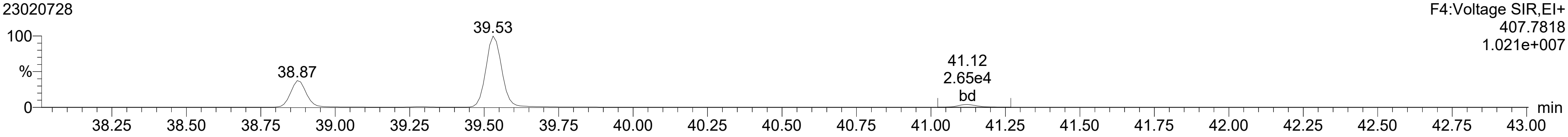

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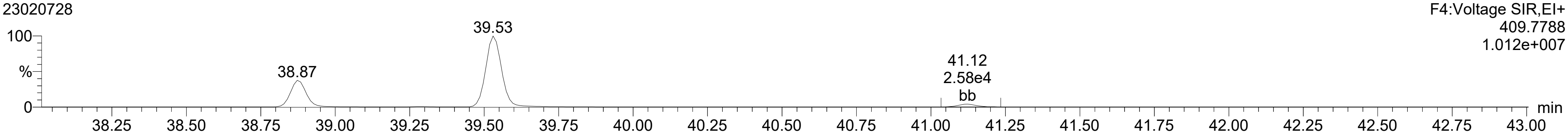

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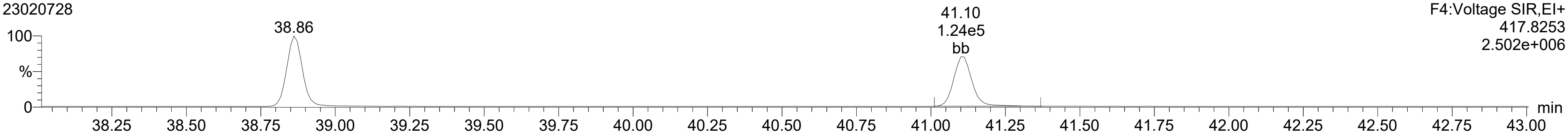

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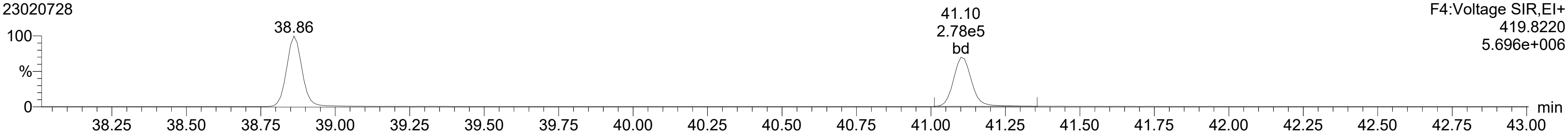

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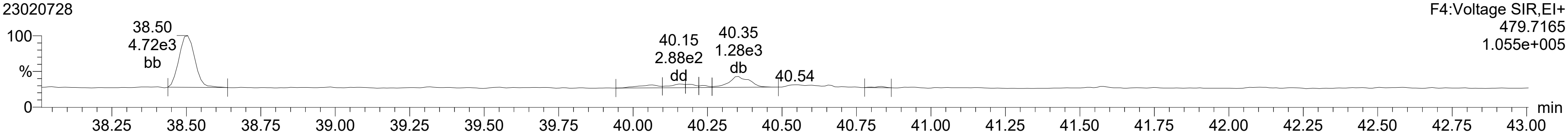

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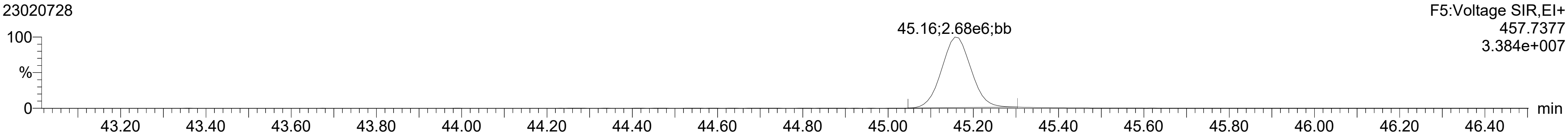

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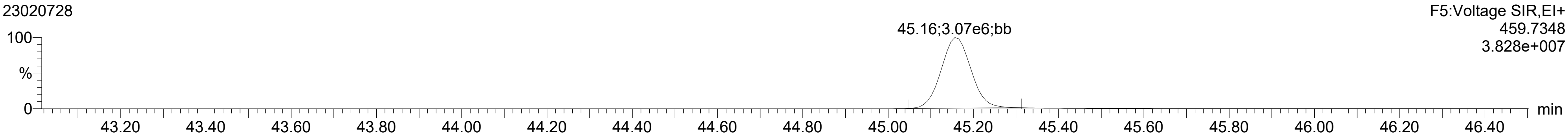

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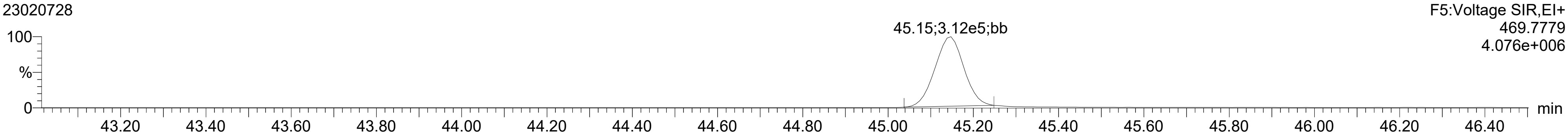

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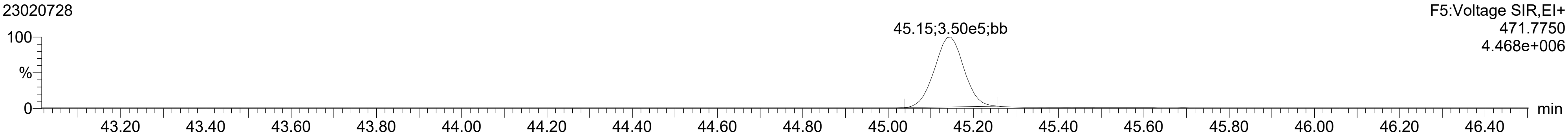

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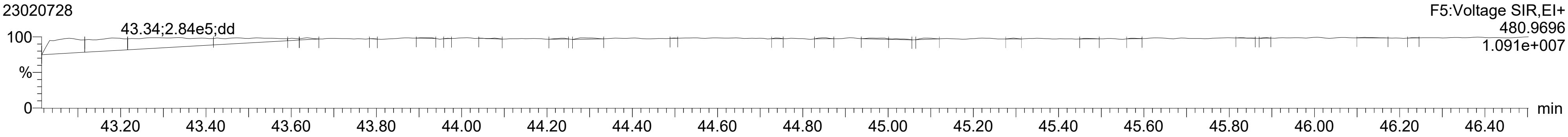

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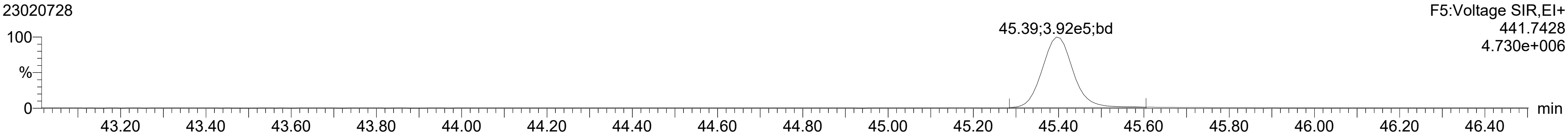
OCDF



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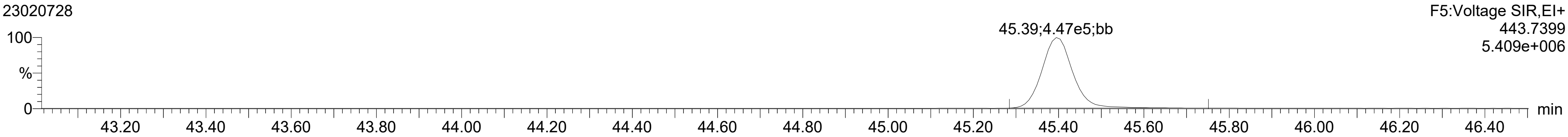

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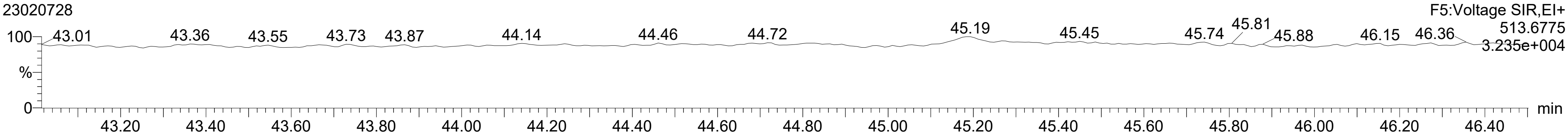

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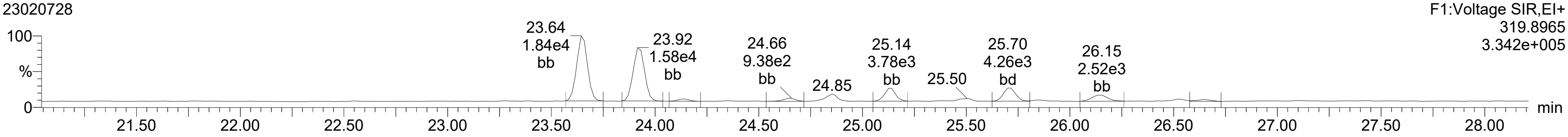
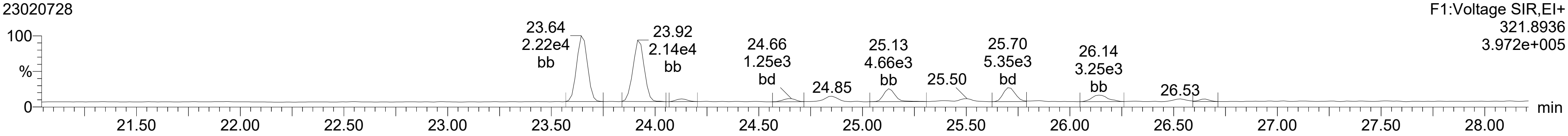
Total-tetradioxins



Total-tetradioxins



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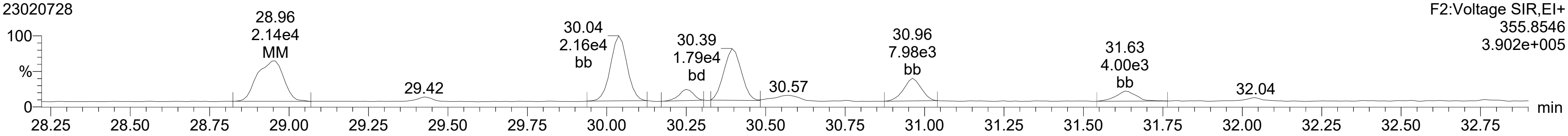
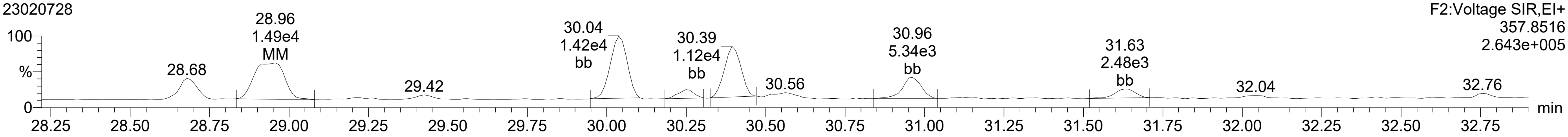


Total-pentadioxins



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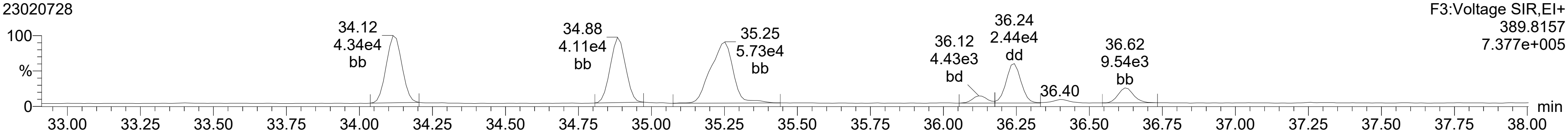

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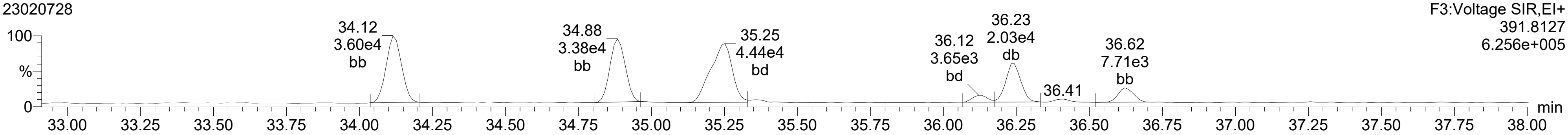

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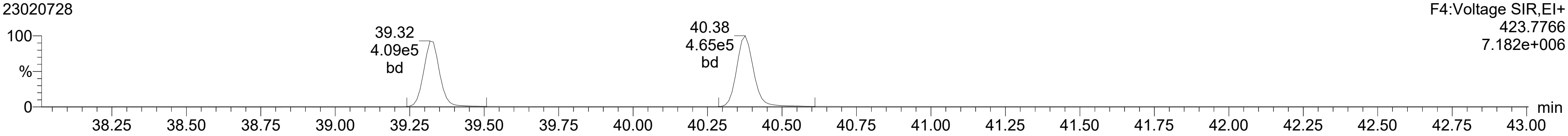

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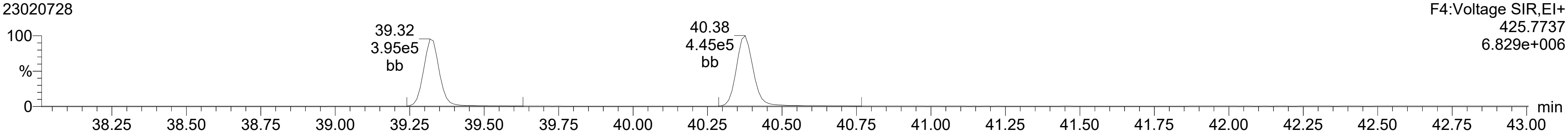
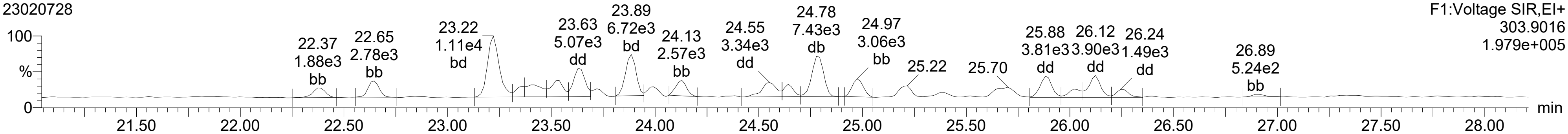


ID: 22L0307-30, Name: 23020728, Date: 08-Feb-2023, Time: 07:28:17, Conditions: AUTOSPEC01, User: pk

Total-tetrafurans



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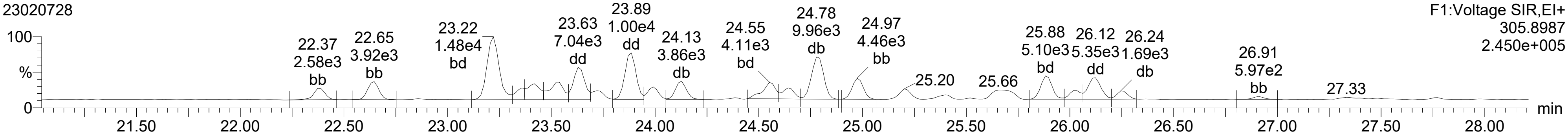

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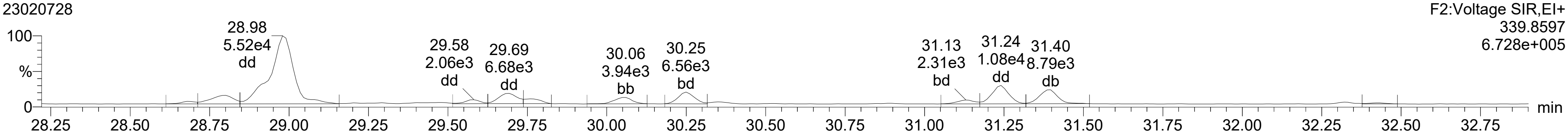

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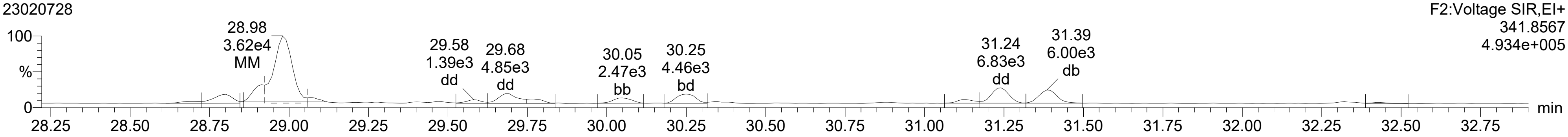

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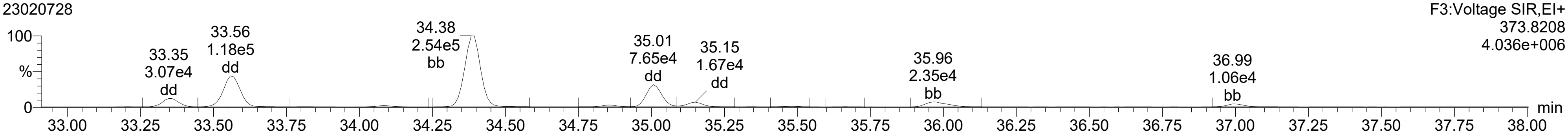

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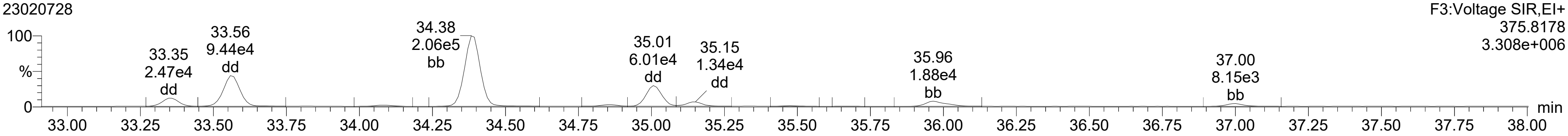

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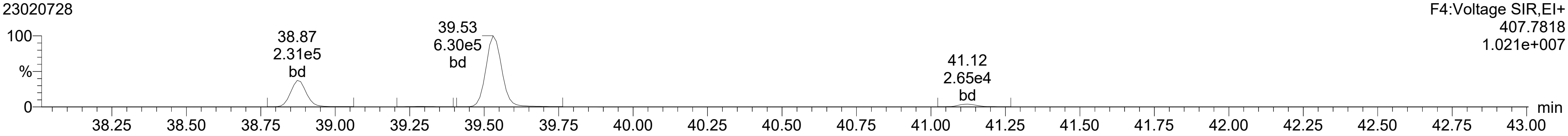
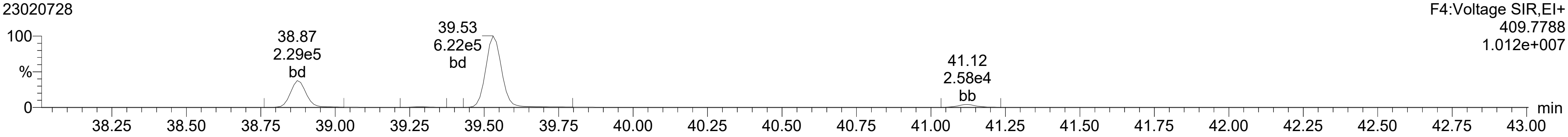


Total-heptafurans



Analytical Resources, LLC
Analytical Chemists and Consultants

LDW22-IT808C

Form 1

ORGANIC ANALYSIS DATA SHEET

EPA 1613B

Dioxins/Furans by HRGC/HRMS

Laboratory:	Analytical Resources, LLC			SDG:	22L0307
Client:	Anchor QEA, LLC				
Project:	AOC4 UR Phase 3				
Matrix:	Sediment	Laboratory ID:	22L0307-31 A	File ID:	23020729
Sampled:	12/12/22 09:46	Prepared:	12/27/22 14:20	Analyzed:	02/08/23 08:17
% Solids:	53.44	Preparation:	EPA 8290	Initial/Final:	18.78 g Wet / 20 uL
Result Basis:	Dry	Sequence:	SLB0072	Calibration:	GB00010
Batch:	BKL0420	Instrument:	AUTOSPEC01	Column:	RTX-Dioxin2

CAS NO.	COMPOUND	DF/Split	Ion Ratio	Ratio Limits	EDL	RL	Result	Units	Q
51207-31-9	2,3,7,8-TCDF	1	0.669	0.655-0.886	0.137	0.996	0.786	ng/kg	X, J
1746-01-6	2,3,7,8-TCDD	1	0.448	0.655-0.886	0.110	0.996	0.171	ng/kg	EMPC, J
57117-41-6	1,2,3,7,8-PeCDF	1	1.485	1.318-1.783	0.146	0.996	0.377	ng/kg	J
57117-31-4	2,3,4,7,8-PeCDF	1	2.407	1.318-1.783	0.146	0.996	0.445	ng/kg	EMPC, J
40321-76-4	1,2,3,7,8-PeCDD	1	1.256	1.318-1.783	0.138	0.996	0.370	ng/kg	EMPC, J
70648-26-9	1,2,3,4,7,8-HxCDF	1	1.013	1.054-1.426	0.075	0.996	0.379	ng/kg	EMPC, J
57117-44-9	1,2,3,6,7,8-HxCDF	1	1.332	1.054-1.426	0.072	0.996	0.334	ng/kg	J, B
60851-34-5	2,3,4,6,7,8-HxCDF	1	1.906	1.054-1.426	0.076	0.996	0.371	ng/kg	EMPC, J
72918-21-9	1,2,3,7,8,9-HxCDF	1	1.001	1.054-1.426	0.082	0.996	0.114	ng/kg	EMPC, J
39227-28-6	1,2,3,4,7,8-HxCDD	1		1.054-1.426	0.117	0.996	ND	ng/kg	U
57653-85-7	1,2,3,6,7,8-HxCDD	1	1.619	1.054-1.426	0.117	0.996	0.335	ng/kg	EMPC, J
19408-74-3	1,2,3,7,8,9-HxCDD	1	1.119	1.054-1.426	0.119	0.996	0.459	ng/kg	J
67562-39-4	1,2,3,4,6,7,8-HpCDF	1	0.866	0.893-1.208	0.101	0.996	0.982	ng/kg	EMPC, J
55673-89-7	1,2,3,4,7,8,9-HpCDF	1		0.893-1.208	0.130	0.996	ND	ng/kg	U
35822-46-9	1,2,3,4,6,7,8-HpCDD	1	1.051	0.893-1.208	0.113	2.49	2.32	ng/kg	J, B
39001-02-0	OCDF	1	1.054	0.757-1.024	0.175	2.49	0.607	ng/kg	EMPC, J, B
3268-87-9	OCDD	1	0.832	0.757-1.024	0.160	9.96	17.8	ng/kg	B

Homologue Groups

55722-27-5	Total TCDF	1	0.000			0.996	10.6	ng/kg
41903-57-5	Total TCDD	1	0.000			0.996	3.24	ng/kg
30402-15-4	Total PeCDF	1	0.000			0.996	11.9	ng/kg
36088-22-9	Total PeCDD	1	0.000			0.996	1.58	ng/kg
55684-94-1	Total HxCDF	1	0.000			0.996	4.40	ng/kg
34465-46-8	Total HxCDD	1	0.000			0.996	5.06	ng/kg
38998-75-3	Total HpCDF	1	0.000			0.996	0.728	ng/kg
37871-00-4	Total HpCDD	1	0.000			0.996	6.04	ng/kg

Total 2,3,7,8-TCDD Equivalence (WHO2005, ND=0, Including EMPC):	1.00
Total 2,3,7,8-TCDD Equivalence (WHO2005, ND=1/2 EDL, Including EMPC):	1.01

LDW22-IT808C

Form 2
ORGANIC ANALYSIS DATA SHEET
EPA 1613B
Dioxins/Furans by HRGC/HRMS

Laboratory:	Analytical Resources, LLC			SDG:	22L0307
Client:	Anchor QEA, LLC			Project:	AOC4 UR Phase 3
Matrix:	Sediment	Laboratory ID:	22L0307-31	File ID:	23020729
Sampled:	12/12/22 09:46	Prepared:	12/27/22 14:20	Analyzed:	02/08/23 08:17
Solids Wt%:	53.44	Preparation:	EPA 8290	Initial/Final:	18.78 g / 20 uL
Result Basis:	Dry	Sequence:	SLB0072	Calibration:	GB00010
Batch:	BKL0420	Instrument:	AUTOSPEC01	Column:	RTX-Dioxin2

Labels	DF/Split	Ion Ratio	Ratio Limits	EDL	% REC	QC LIMITS	Q
13C12-2,3,7,8-TCDF		0.771	0.655-0.886	0.177	93.3	24 - 169 %	
13C12-2,3,7,8-TCDD		0.767	0.655-0.886	0.147	109	25 - 164 %	
13C12-1,2,3,7,8-PeCDF		1.509	1.318-1.783	0.127	102	24 - 185 %	
13C12-2,3,4,7,8-PeCDF		1.527	1.318-1.783	0.132	102	21 - 178 %	
13C12-1,2,3,7,8-PeCDD		1.614	1.318-1.783	0.152	111	25 - 181 %	
13C12-1,2,3,4,7,8-HxCDF		0.502	0.434-0.587	0.175	92.1	26 - 152 %	
13C12-1,2,3,6,7,8-HxCDF		0.518	0.434-0.587	0.171	89.7	26 - 123 %	
13C12-2,3,4,6,7,8-HxCDF		0.512	0.434-0.587	0.182	89.3	28 - 136 %	
13C12-1,2,3,7,8,9-HxCDF		0.506	0.434-0.587	0.199	91.0	29 - 147 %	
13C12-1,2,3,4,7,8-HxCDD		1.254	1.054-1.426	0.144	103	32 - 141 %	
13C12-1,2,3,6,7,8-HxCDD		1.258	1.054-1.426	0.139	98.8	28 - 130 %	
13C12-1,2,3,4,6,7,8-HpCDF		0.444	0.374-0.506	0.153	77.9	28 - 143 %	
13C12-1,2,3,4,7,8,9-HpCDF		0.446	0.374-0.506	0.175	78.5	26 - 138 %	
13C12-1,2,3,4,6,7,8-HpCDD		1.078	0.893-1.208	0.153	83.8	23 - 140 %	
13C12-OCDD		0.917	0.757-1.024	0.156	73.1	17 - 157 %	
37Cl4-2,3,7,8-TCDD		328.000		0.048	93.0	35 - 197 %	

* Values outside of QC limits

Method: T:\Autospec\Methods\Dioxin230206.mdb 07 Feb 2023 09:29:10
Calibration: T:\Autospec\Curves\230201ICIH.cdb 03 Feb 2023 10:33:40

ID: 22L0307-31, Name: 23020729, Date: 08-Feb-2023, Time: 08:17:45, Conditions: AUTOSPEC01, User: pk

Compound	RT	RRT	Ion1Area	Ion2Area	RRF	Ratio	Pred R	Noise 1	Noise 2	Height 1	Height 2	S/N 1	S/N 2	EMPC	Int.1	Int.2	pg
2378-TCDF	25.867	1.000	1.219e3	1.822e3	0.876	0.669	0.770	1598	1129	1.84e4	3.11e4	11.5	27.5	NO	dd	bd	0.394
12378-PeCDF	30.049	1.001	7.901e2	5.322e2	0.845	1.485	1.550	1465	1258	1.39e4	8.97e3	9.5	7.1	NO	bb	bb	0.189
23478-PeCDF	31.375	1.000	1.143e3	4.749e2	0.911	2.407	1.550	1465	1258	1.71e4	9.93e3	11.7	7.9	YES	dd	bb	0.223
123478-HxCDF	34.995	1.000	7.468e2	7.373e2	1.182	1.013	1.240	849	761	1.16e4	1.11e4	13.7	14.6	YES	bb	db	0.190
234678-HxCDF	35.987	1.000	9.259e2	4.858e2	1.229	1.906	1.240	849	761	1.67e4	1.03e4	19.7	13.6	YES	MM	db	0.186
123678-HxCDF	35.140	1.001	7.873e2	5.909e2	1.248	1.332	1.240	849	761	1.42e4	1.10e4	16.7	14.4	NO	bb	bb	0.168
123789-HxCDF	37.001	1.000	1.959e2	1.957e2	1.187	1.001	1.240	849	761	3.17e3	3.25e3	3.7	4.3	YES	bb	bb	0.057
1234678-HpCDF	38.873	1.000	1.513e3	1.747e3	1.204	0.866	1.050	874	949	2.71e4	2.96e4	31.0	31.2	YES	bb	bb	0.493
1234789-HpCDF					1.165		1.050	874	949								
OCDF	45.376	1.005	7.269e2	6.895e2	1.186	1.054	0.890	871	827	8.10e3	9.18e3	9.3	11.1	YES	bb	MM	0.304
2378-TCDD	26.517	1.001	2.111e2	4.714e2	1.236	0.448	0.770	891	1417	4.10e3	7.80e3	4.6	5.5	YES	bb	dd	0.086
12378-PeCDD	31.619	1.000	6.076e2	4.837e2	1.087	1.256	1.550	1245	881	8.72e3	8.90e3	7.0	10.1	YES	bb	bb	0.186
123478-HxCDD					0.987		1.240	946	1235								
123678-HxCDD	36.232	1.001	6.875e2	4.245e2	1.021	1.619	1.240	946	1235	9.94e3	7.77e3	10.5	6.3	YES	db	bb	0.168
123789-HxCDD	36.611	1.011	7.828e2	6.997e2	0.985	1.119	1.240	946	1235	1.32e4	1.07e4	13.9	8.7	NO	bd	bb	0.230
1234678-HpCDD	40.376	1.001	3.330e3	3.168e3	1.253	1.051	1.050	877	763	5.73e4	4.84e4	65.3	63.5	NO	bb	bb	1.163
OCDD	45.157	1.000	1.756e4	2.111e4	1.103	0.832	0.890	828	613	2.22e5	2.53e5	267.9	412.6	NO	bb	bd	8.942
13C-2378-TCDF	25.867	1.007	3.831e5	4.969e5	1.768	0.771	0.770	2493	1788	5.89e6	7.60e6	2363.4	4250.5	NO	bb	bb	93.348
13C-12378-PeCDF	30.026	1.169	4.978e5	3.298e5	1.527	1.509	1.550	1141	1516	7.92e6	5.21e6	6942.3	3436.2	NO	bb	bb	101.640
13C-23478-PeCDF	31.363	1.221	4.805e5	3.146e5	1.466	1.527	1.550	1141	1516	7.40e6	4.85e6	6482.3	3195.9	NO	bb	bb	101.694
13C-123478-HxCDF	34.984	0.956	2.207e5	4.401e5	1.054	0.502	0.510	1433	2092	3.61e6	7.14e6	2521.9	3414.2	NO	bd	bd	92.126
13C-123678-HxCDF	35.118	0.960	2.249e5	4.343e5	1.080	0.518	0.510	1433	2092	3.66e6	7.16e6	2552.5	3421.6	NO	db	db	89.654
13C-234678-HxCDF	35.987	0.983	2.088e5	4.077e5	1.014	0.512	0.510	1433	2092	3.51e6	6.80e6	2446.9	3248.9	NO	bb	bb	89.271
13C-123789-HxCDF	37.001	1.011	1.932e5	3.816e5	0.928	0.506	0.510	1433	2092	3.31e6	6.59e6	2310.5	3147.6	NO	bb	bb	90.996
13C-1234678-HpCDF	38.861	1.062	1.690e5	3.805e5	1.036	0.444	0.440	1536	1484	2.76e6	6.28e6	1800.2	4233.2	NO	bb	bb	77.900
13C-1234789-HpCDF	41.101	1.123	1.492e5	3.343e5	0.905	0.446	0.440	1536	1484	2.22e6	4.96e6	1448.3	3342.4	NO	bd	bd	78.493
13C-1234-TCDD	25.685	0.000	2.328e5	3.004e5	1.000	0.775	0.770	1515	704	3.58e6	4.58e6	2362.7	6510.0	NO	bb	bb	100.000
13C-2378-TCDD	26.502	1.032	2.785e5	3.632e5	1.103	0.767	0.770	1515	704	4.39e6	5.63e6	2898.9	7995.3	NO	bb	bb	109.113
13C-12378-PeCDD	31.608	1.231	3.341e5	2.070e5	0.914	1.614	1.550	1137	772	5.22e6	3.23e6	4587.6	4187.9	NO	bd	bd	111.024
13C-123478-HxCDD	36.098	0.986	3.655e5	2.915e5	0.933	1.254	1.240	1417	1142	6.28e6	4.94e6	4435.8	4330.0	NO	bd	bd	103.448
13C-123678-HxCDD	36.210	0.989	3.616e5	2.873e5	0.965	1.258	1.240	1417	1142	6.09e6	4.77e6	4295.6	4180.6	NO	db	db	98.807
13C-1234678-HpCDD	40.354	1.103	2.314e5	2.147e5	0.782	1.078	1.050	1373	911	3.58e6	3.32e6	2608.2	3648.0	NO	bb	bb	83.781
13C-OCDD	45.138	1.233	3.752e5	4.091e5	0.788	0.917	0.890	1167	1174	4.67e6	5.07e6	4000.2	4323.3	NO	bb	bb	146.146
13C-123789-HxCDD	36.600	0.000	3.806e5	3.002e5	1.000	1.268	1.240	1417	1142	6.37e6	5.05e6	4499.2	4421.5	NO	bb	bb	100.000
37CL-2378-TCDD	26.517	1.032	2.447e5		1.233			809		3.90e6		4814.8			bb		37.207

ID: 22L0307-31, Name: 23020729, Date: 08-Feb-2023, Time: 08:17:45, Conditions: AUTOSPEC01, User: pk

Compound	RT	RRT	Ion1Area	Ion2Area	RRF	Ratio	Pred R	Noise 1	Noise 2	Height 1	Height 2	S/N 1	S/N 2	EMPC	Int.1	Int.2	pg
1368-TCDF	22.374	0.865	1.270e3	1.464e3	1.064	0.868	0.770	1598	1129	1.99e4	2.10e4	12.4	18.6	NO	bb	bb	0.292
1289-TCDF	27.303	1.056	3.434e2	1.298e2	0.858	2.645	0.770	1598	1129	5.24e3	3.44e3	3.3	3.0	YES	bd	bb	0.063
13468-PECDF					1.013		1.550	877	912								
12389-PECDF					0.844		1.550	1465	1258								
123468-HXCDF	33.347	0.953	1.113e3	7.490e2	1.197	1.486	1.240	849	761	1.47e4	1.13e4	17.3	14.8	YES	bb	bb	0.235
1368-TCDD	23.644	0.892	1.744e3	2.751e3	1.084	0.634	0.770	891	1417	2.85e4	4.64e4	32.0	32.7	YES	bb	bb	0.646
1289-TCDD					0.975		0.770	891	1417								
12479-PECDD	28.946	0.916	1.798e3	1.916e3	1.837	0.938	1.550	1245	881	2.80e4	1.84e4	22.5	20.9	YES	db	bb	0.374
12389-PECDD					1.252		1.550	1245	881								
124679-HXCDD	34.115	0.945	3.306e3	3.001e3	1.033	1.102	1.240	946	1235	4.94e4	4.92e4	52.2	39.8	NO	bb	bb	0.929
1234679-HPCDD	39.318	0.974	5.545e3	5.181e3	1.286	1.070	1.050	877	763	9.21e4	7.89e4	105.0	103.4	NO	bb	bb	1.870
Total-tetrafurans			1.884e4		0.933			1598		2.78e5							5.337
Total-penta1			1.333e4					877		1.96e5							2.901
Total-pentafurans			1.306e4		0.866			1465		1.64e5							3.079
Total-hexafurans			9.422e3		1.208			849		1.45e5							2.209
Total-heptafurans			1.121e3		1.185			874		1.89e4							0.365
Total-Furans			5.577e4		1.067			1598		8.01e5							13.892
Total-tetradioxins			4.983e3		1.099			891		7.99e4							1.624
Total-pentadioxins			3.505e3		1.392			1245		6.03e4							0.791
Total-hexadioxins			9.127e3		1.007			946		1.34e5							2.540
Total-heptadioxins			8.875e3		1.269			877		1.49e5							3.033
Total-Dioxins			4.405e4		1.165			891		6.45e5							16.930
Total-TEQ			9.982e4					891		1.45e6							30.822
FUNCTION1 PFK			2.134e7					521117		1.45e8							
FUNCTION2 PFK			1.540e5					221129		4.46e6							0.000
FUNCTION3 PFK			4.123e5					236474		4.97e6							0.000
FUNCTION4 PFK			3.252e5					152796		6.72e6							
FUNCTION5 PFK			0.000e0					90625		0.00e0							
FUNCTION1 HXCD...			3.436e3					627		5.56e4							0.000
FUNCTION1 HPCD...			4.637e2					624		7.77e3							0.000
FUNCTION2 HPCD...			8.853e2					717		1.31e4							0.000
FUNCTION3 OCDPE			1.583e2					690		3.81e3							0.000
FUNCTION4 NCDPE			6.254e3					616		1.07e5							0.000
FUNCTION5 DCDPE			0.000e0					700		0.00e0							

Method: T:\Autospec\Methods\Dioxin230206.mdb 07 Feb 2023 09:29:10
Calibration: T:\Autospec\Curves\230201ICIH.cdb 03 Feb 2023 10:33:40

ID: 22L0307-31, Name: 23020729, Date: 08-Feb-2023, Time: 08:17:45, Conditions: AUTOSPEC01, User: pk

TF

	Compound	RT	Ion1Area	Ion2Area	RRF	Ratio	Pred R	S/N 1	SNFlag	EMPC	Int.1	Int.2	pg
1	Total-tetrafurans	24.78	2.693e3	3.790e3	0.933	0.71	0.77	24.4	YES	NO	db	db	0.790
2	Total-tetrafurans	24.54	1.596e3	2.260e3	0.933	0.71	0.77	11.3	YES	NO	bd	dd	0.470
3	Total-tetrafurans	24.10	9.477e2	1.084e3	0.933	0.87	0.77	9.3	YES	NO	db	db	0.248
4	Total-tetrafurans	23.87	2.387e3	3.247e3	0.933	0.74	0.77	23.2	YES	NO	dd	dd	0.686
5	Total-tetrafurans	23.52	1.365e3	1.748e3	0.933	0.78	0.77	12.7	YES	NO	dd	dd	0.379
6	Total-tetrafurans	23.21	3.943e3	5.174e3	0.933	0.76	0.77	35.6	YES	NO	bd	bd	1.111
7	Total-tetrafurans	22.63	1.047e3	1.484e3	0.933	0.71	0.77	9.7	YES	NO	bb	bb	0.308
8	1368-TCDF	22.37	1.270e3	1.464e3	1.064	0.87	0.77	12.4	YES	NO	bb	bb	0.292
9	Total-tetrafurans	26.24	7.225e2	8.706e2	0.933	0.83	0.77	6.7	YES	NO	db	dd	0.194
10	Total-tetrafurans	26.11	1.125e3	1.559e3	0.933	0.72	0.77	10.2	YES	NO	dd	dd	0.327
11	2378-TCDF	25.87	1.219e3	1.822e3	0.876	0.67	0.77	11.5	YES	NO	dd	bd	0.394
12	Total-tetrafurans	25.38	5.210e2	6.136e2	0.933	0.85	0.77	6.6	YES	NO	db	bb	0.138

PP

	Compound	RT	Ion1Area	Ion2Area	RRF	Ratio	Pred R	S/N 1	SNFlag	EMPC	Int.1	Int.2	pg
1	Total-penta1	27.30	1.333e4	8.687e3		1.53	1.55	223.6	YES	NO	bb	bb	2.901

PF

	Compound	RT	Ion1Area	Ion2Area	RRF	Ratio	Pred R	S/N 1	SNFlag	EMPC	Int.1	Int.2	pg
1	Total-pentafurans	29.06	6.965e2	4.072e2	0.866	1.71	1.55	7.2	YES	NO	db	db	0.157
2	Total-pentafurans	28.78	1.583e3	9.767e2	0.866	1.62	1.55	12.7	YES	NO	dd	dd	0.364
3	Total-pentafurans	32.31	3.764e2	2.307e2	0.866	1.63	1.55	4.3	YES	NO	bd	bb	0.086
4	Total-pentafurans	31.13	6.523e2	4.374e2	0.866	1.49	1.55	7.4	YES	NO	bd	bd	0.155
5	12378-PeCDF	30.05	7.901e2	5.322e2	0.845	1.48	1.55	9.5	YES	NO	bb	bb	0.189
6	Total-pentafurans	29.67	1.780e3	1.289e3	0.866	1.38	1.55	17.7	YES	NO	bb	dd	0.436
7	Total-pentafurans	28.96	7.182e3	4.705e3	0.866	1.53	1.55	52.9	YES	NO	MM	dd	1.691

ID: 22L0307-31, Name: 23020729, Date: 08-Feb-2023, Time: 08:17:45, Conditions: AUTOSPEC01, User: pk

HF

	Compound	RT	Ion1Area	Ion2Area	RRF	Ratio	Pred R	S/N 1	SNFlag	EMPC	Int.1	Int.2	pg
1	123678-HxCDF	35.14	7.873e2	5.909e2	1.248	1.33	1.24	16.7	YES	NO	bb	bb	0.168
2	Total-hexafurans	34.84	4.099e2	3.174e2	1.208	1.29	1.24	8.4	YES	NO	bb	bd	0.096
3	Total-hexafurans	34.37	3.209e3	2.824e3	1.208	1.14	1.24	57.9	YES	NO	bb	bb	0.795
4	Total-hexafurans	33.56	5.016e3	3.714e3	1.208	1.35	1.24	87.9	YES	NO	bb	bb	1.151

HPF

	Compound	RT	Ion1Area	Ion2Area	RRF	Ratio	Pred R	S/N 1	SNFlag	EMPC	Int.1	Int.2	pg
1	Total-heptafurans	39.53	1.121e3	1.114e3	1.185	1.01	1.05	21.7	YES	NO	bb	bb	0.365

ID: 22L0307-31, Name: 23020729, Date: 08-Feb-2023, Time: 08:17:45, Conditions: AUTOSPEC01, User: pk

Furans,TF,PP,PF,HF,HPF,OF

	Compound	RT	Ion1Area	Ion2Area	RRF	Ratio	Pred R	S/N 1	SNFlag	EMPC	Int.1	Int.2	pg
1	Total-tetrafurans	24.78	2.693e3	3.790e3	0.933	0.71	0.77	24.4	YES	NO	db	db	0.790
2	Total-tetrafurans	24.54	1.596e3	2.260e3	0.933	0.71	0.77	11.3	YES	NO	bd	dd	0.470
3	Total-tetrafurans	24.10	9.477e2	1.084e3	0.933	0.87	0.77	9.3	YES	NO	db	db	0.248
4	Total-tetrafurans	23.87	2.387e3	3.247e3	0.933	0.74	0.77	23.2	YES	NO	dd	dd	0.686
5	Total-tetrafurans	23.52	1.365e3	1.748e3	0.933	0.78	0.77	12.7	YES	NO	dd	dd	0.379
6	Total-tetrafurans	23.21	3.943e3	5.174e3	0.933	0.76	0.77	35.6	YES	NO	bd	bd	1.111
7	Total-tetrafurans	22.63	1.047e3	1.484e3	0.933	0.71	0.77	9.7	YES	NO	bb	bb	0.308
8	1368-TCDF	22.37	1.270e3	1.464e3	1.064	0.87	0.77	12.4	YES	NO	bb	bb	0.292
9	Total-tetrafurans	26.24	7.225e2	8.706e2	0.933	0.83	0.77	6.7	YES	NO	db	dd	0.194
10	Total-tetrafurans	26.11	1.125e3	1.559e3	0.933	0.72	0.77	10.2	YES	NO	dd	dd	0.327
11	2378-TCDF	25.87	1.219e3	1.822e3	0.876	0.67	0.77	11.5	YES	NO	dd	bd	0.394
12	Total-tetrafurans	25.38	5.210e2	6.136e2	0.933	0.85	0.77	6.6	YES	NO	db	bb	0.138
13	Total-pentafurans	29.06	6.965e2	4.072e2	0.866	1.71	1.55	7.2	YES	NO	db	db	0.157
14	Total-pentafurans	28.78	1.583e3	9.767e2	0.866	1.62	1.55	12.7	YES	NO	dd	dd	0.364
15	Total-pentafurans	32.31	3.764e2	2.307e2	0.866	1.63	1.55	4.3	YES	NO	bd	bb	0.086
16	Total-pentafurans	31.13	6.523e2	4.374e2	0.866	1.49	1.55	7.4	YES	NO	bd	bd	0.155
17	12378-PeCDF	30.05	7.901e2	5.322e2	0.845	1.48	1.55	9.5	YES	NO	bb	bb	0.189
18	Total-pentafurans	29.67	1.780e3	1.289e3	0.866	1.38	1.55	17.7	YES	NO	bb	dd	0.436
19	123678-HxCDF	35.14	7.873e2	5.909e2	1.248	1.33	1.24	16.7	YES	NO	bb	bb	0.168
20	Total-hexafurans	34.84	4.099e2	3.174e2	1.208	1.29	1.24	8.4	YES	NO	bb	bd	0.096
21	Total-hexafurans	34.37	3.209e3	2.824e3	1.208	1.14	1.24	57.9	YES	NO	bb	bb	0.795
22	Total-hexafurans	33.56	5.016e3	3.714e3	1.208	1.35	1.24	87.9	YES	NO	bb	bb	1.151
23	Total-heptafurans	39.53	1.121e3	1.114e3	1.185	1.01	1.05	21.7	YES	NO	bb	bb	0.365
24	Total-penta1	27.30	1.333e4	8.687e3		1.53	1.55	223.6	YES	NO	bb	bb	2.901
25	Total-pentafurans	28.96	7.182e3	4.705e3	0.866	1.53	1.55	52.9	YES	NO	MM	dd	1.691

TD

	Compound	RT	Ion1Area	Ion2Area	RRF	Ratio	Pred R	S/N 1	SNFlag	EMPC	Int.1	Int.2	pg
1	Total-tetradioxins	24.63	1.374e3	1.683e3	1.099	0.82	0.77	25.6	YES	NO	bb	bb	0.434
2	Total-tetradioxins	24.11	2.456e2	3.332e2	1.099	0.74	0.77	4.7	YES	NO	bb	bb	0.082
3	Total-tetradioxins	23.90	1.079e3	1.417e3	1.099	0.76	0.77	19.0	YES	NO	bb	bb	0.354
4	Total-tetradioxins	26.15	4.138e2	6.174e2	1.099	0.67	0.77	7.0	YES	NO	bb	bb	0.146
5	Total-tetradioxins	25.69	3.563e2	4.238e2	1.099	0.84	0.77	7.0	YES	NO	bd	bd	0.111
6	Total-tetradioxins	25.13	8.364e2	1.012e3	1.099	0.83	0.77	15.4	YES	NO	bb	bb	0.262
7	Total-tetradioxins	24.85	6.782e2	9.803e2	1.099	0.69	0.77	11.0	YES	NO	bb	bb	0.235

ID: 22L0307-31, Name: 23020729, Date: 08-Feb-2023, Time: 08:17:45, Conditions: AUTOSPEC01, User: pk

PD

	Compound	RT	Ion1Area	Ion2Area	RRF	Ratio	Pred R	S/N 1	SNFlag	EMPC	Int.1	Int.2	pg
1	Total-pentadioxins	30.03	1.486e3	1.032e3	1.392	1.44	1.55	21.3	YES	NO	bb	bb	0.334
2	Total-pentadioxins	30.39	1.068e3	7.976e2	1.392	1.34	1.55	14.5	YES	NO	dd	dd	0.248
3	Total-pentadioxins	30.25	9.511e2	6.269e2	1.392	1.52	1.55	12.6	YES	NO	bd	bd	0.209

HD

	Compound	RT	Ion1Area	Ion2Area	RRF	Ratio	Pred R	S/N 1	SNFlag	EMPC	Int.1	Int.2	pg
1	123789-HxCDD	36.61	7.828e2	6.997e2	0.985	1.12	1.24	13.9	YES	NO	bd	bb	0.230
2	Total-hexadioxins	35.24	2.952e3	2.401e3	1.007	1.23	1.24	36.7	YES	NO	bb	bb	0.814
3	Total-hexadioxins	34.87	2.087e3	1.630e3	1.007	1.28	1.24	38.8	YES	NO	bb	bb	0.565
4	124679-HXCDD	34.12	3.306e3	3.001e3	1.033	1.10	1.24	52.2	YES	NO	bb	bb	0.929

HPD

	Compound	RT	Ion1Area	Ion2Area	RRF	Ratio	Pred R	S/N 1	SNFlag	EMPC	Int.1	Int.2	pg
1	1234678-HpCDD	40.38	3.330e3	3.168e3	1.253	1.05	1.05	65.3	YES	NO	bb	bb	1.163
2	1234679-HPCDD	39.32	5.545e3	5.181e3	1.286	1.07	1.05	105.0	YES	NO	bb	bb	1.870

ID: 22L0307-31, Name: 23020729, Date: 08-Feb-2023, Time: 08:17:45, Conditions: AUTOSPEC01, User: pk

Dioxins,TD,PD,HD,HPD,OD

	Compound	RT	Ion1Area	Ion2Area	RRF	Ratio	Pred R	S/N 1	SNFlag	EMPC	Int.1	Int.2	pg
1	Total-tetradioxins	24.63	1.374e3	1.683e3	1.099	0.82	0.77	25.6	YES	NO	bb	bb	0.434
2	Total-tetradioxins	24.11	2.456e2	3.332e2	1.099	0.74	0.77	4.7	YES	NO	bb	bb	0.082
3	Total-tetradioxins	23.90	1.079e3	1.417e3	1.099	0.76	0.77	19.0	YES	NO	bb	bb	0.354
4	Total-tetradioxins	26.15	4.138e2	6.174e2	1.099	0.67	0.77	7.0	YES	NO	bb	bb	0.146
5	Total-tetradioxins	25.69	3.563e2	4.238e2	1.099	0.84	0.77	7.0	YES	NO	bd	bd	0.111
6	Total-tetradioxins	25.13	8.364e2	1.012e3	1.099	0.83	0.77	15.4	YES	NO	bb	bb	0.262
7	Total-tetradioxins	24.85	6.782e2	9.803e2	1.099	0.69	0.77	11.0	YES	NO	bb	bb	0.235
8	Total-pentadioxins	30.03	1.486e3	1.032e3	1.392	1.44	1.55	21.3	YES	NO	bb	bb	0.334
9	Total-pentadioxins	30.39	1.068e3	7.976e2	1.392	1.34	1.55	14.5	YES	NO	dd	dd	0.248
10	Total-pentadioxins	30.25	9.511e2	6.269e2	1.392	1.52	1.55	12.6	YES	NO	bd	bd	0.209
11	123789-HxCDD	36.61	7.828e2	6.997e2	0.985	1.12	1.24	13.9	YES	NO	bd	bb	0.230
12	Total-hexadioxins	35.24	2.952e3	2.401e3	1.007	1.23	1.24	36.7	YES	NO	bb	bb	0.814
13	Total-hexadioxins	34.87	2.087e3	1.630e3	1.007	1.28	1.24	38.8	YES	NO	bb	bb	0.565
14	124679-HXCDD	34.12	3.306e3	3.001e3	1.033	1.10	1.24	52.2	YES	NO	bb	bb	0.929
15	1234678-HpCDD	40.38	3.330e3	3.168e3	1.253	1.05	1.05	65.3	YES	NO	bb	bb	1.163
16	1234679-HPCDD	39.32	5.545e3	5.181e3	1.286	1.07	1.05	105.0	YES	NO	bb	bb	1.870
17	OCDD	45.16	1.756e4	2.111e4	1.103	0.83	0.89	267.9	YES	NO	bb	bd	8.942

ID: 22L0307-31, Name: 23020729, Date: 08-Feb-2023, Time: 08:17:45, Conditions: AUTOSPEC01, User: pk

TotalTEQ,Furans,Dioxins

	Compound	RT	Ion1Area	Ion2Area	RRF	Ratio	Pred R	S/N 1	SNFlag	EMPC	Int.1	Int.2	pg
1	Total-tetrafurans	24.78	2.693e3	3.790e3	0.933	0.71	0.77	24.4	YES	NO	db	db	0.790
2	Total-tetrafurans	24.54	1.596e3	2.260e3	0.933	0.71	0.77	11.3	YES	NO	bd	dd	0.470
3	Total-tetrafurans	24.10	9.477e2	1.084e3	0.933	0.87	0.77	9.3	YES	NO	db	db	0.248
4	Total-tetrafurans	23.87	2.387e3	3.247e3	0.933	0.74	0.77	23.2	YES	NO	dd	dd	0.686
5	Total-tetrafurans	23.52	1.365e3	1.748e3	0.933	0.78	0.77	12.7	YES	NO	dd	dd	0.379
6	Total-tetrafurans	23.21	3.943e3	5.174e3	0.933	0.76	0.77	35.6	YES	NO	bd	bd	1.111
7	Total-tetrafurans	22.63	1.047e3	1.484e3	0.933	0.71	0.77	9.7	YES	NO	bb	bb	0.308
8	1368-TCDF	22.37	1.270e3	1.464e3	1.064	0.87	0.77	12.4	YES	NO	bb	bb	0.292
9	Total-tetrafurans	26.24	7.225e2	8.706e2	0.933	0.83	0.77	6.7	YES	NO	db	dd	0.194
10	Total-tetrafurans	26.11	1.125e3	1.559e3	0.933	0.72	0.77	10.2	YES	NO	dd	dd	0.327
11	2378-TCDF	25.87	1.219e3	1.822e3	0.876	0.67	0.77	11.5	YES	NO	dd	bd	0.394
12	Total-tetrafurans	25.38	5.210e2	6.136e2	0.933	0.85	0.77	6.6	YES	NO	db	bb	0.138
13	Total-pentafurans	29.06	6.965e2	4.072e2	0.866	1.71	1.55	7.2	YES	NO	db	db	0.157
14	Total-pentafurans	28.78	1.583e3	9.767e2	0.866	1.62	1.55	12.7	YES	NO	dd	dd	0.364
15	Total-pentafurans	32.31	3.764e2	2.307e2	0.866	1.63	1.55	4.3	YES	NO	bd	bb	0.086
16	Total-pentafurans	31.13	6.523e2	4.374e2	0.866	1.49	1.55	7.4	YES	NO	bd	bd	0.155
17	12378-PeCDF	30.05	7.901e2	5.322e2	0.845	1.48	1.55	9.5	YES	NO	bb	bb	0.189
18	Total-pentafurans	29.67	1.780e3	1.289e3	0.866	1.38	1.55	17.7	YES	NO	bb	dd	0.436
19	123678-HxCDF	35.14	7.873e2	5.909e2	1.248	1.33	1.24	16.7	YES	NO	bb	bb	0.168
20	Total-hexafurans	34.84	4.099e2	3.174e2	1.208	1.29	1.24	8.4	YES	NO	bb	bd	0.096
21	Total-hexafurans	34.37	3.209e3	2.824e3	1.208	1.14	1.24	57.9	YES	NO	bb	bb	0.795
22	Total-hexafurans	33.56	5.016e3	3.714e3	1.208	1.35	1.24	87.9	YES	NO	bb	bb	1.151
23	Total-heptafurans	39.53	1.121e3	1.114e3	1.185	1.01	1.05	21.7	YES	NO	bb	bb	0.365
24	Total-penta1	27.30	1.333e4	8.687e3		1.53	1.55	223.6	YES	NO	bb	bb	2.901
25	Total-pentafurans	28.96	7.182e3	4.705e3	0.866	1.53	1.55	52.9	YES	NO	MM	dd	1.691
26	Total-tetradioxins	24.63	1.374e3	1.683e3	1.099	0.82	0.77	25.6	YES	NO	bb	bb	0.434
27	Total-tetradioxins	24.11	2.456e2	3.332e2	1.099	0.74	0.77	4.7	YES	NO	bb	bb	0.082
28	Total-tetradioxins	23.90	1.079e3	1.417e3	1.099	0.76	0.77	19.0	YES	NO	bb	bb	0.354
29	Total-tetradioxins	26.15	4.138e2	6.174e2	1.099	0.67	0.77	7.0	YES	NO	bb	bb	0.146
30	Total-tetradioxins	25.69	3.563e2	4.238e2	1.099	0.84	0.77	7.0	YES	NO	bd	bd	0.111
31	Total-tetradioxins	25.13	8.364e2	1.012e3	1.099	0.83	0.77	15.4	YES	NO	bb	bb	0.262
32	Total-tetradioxins	24.85	6.782e2	9.803e2	1.099	0.69	0.77	11.0	YES	NO	bb	bb	0.235
33	Total-pentadioxins	30.03	1.486e3	1.032e3	1.392	1.44	1.55	21.3	YES	NO	bb	bb	0.334
34	Total-pentadioxins	30.39	1.068e3	7.976e2	1.392	1.34	1.55	14.5	YES	NO	dd	dd	0.248
35	Total-pentadioxins	30.25	9.511e2	6.269e2	1.392	1.52	1.55	12.6	YES	NO	bd	bd	0.209
36	123789-HxCDD	36.61	7.828e2	6.997e2	0.985	1.12	1.24	13.9	YES	NO	bd	bb	0.230
37	Total-hexadioxins	35.24	2.952e3	2.401e3	1.007	1.23	1.24	36.7	YES	NO	bb	bb	0.814

ID: 22L0307-31, Name: 23020729, Date: 08-Feb-2023, Time: 08:17:45, Conditions: AUTOSPEC01, User: pk

TotalTEQ,Furans,Dioxins

	Compound	RT	Ion1Area	Ion2Area	RRF	Ratio	Pred R	S/N 1	SNFlag	EMPC	Int.1	Int.2	pg
38	Total-hexadioxins	34.87	2.087e3	1.630e3	1.007	1.28	1.24	38.8	YES	NO	bb	bb	0.565
39	124679-HXCDD	34.12	3.306e3	3.001e3	1.033	1.10	1.24	52.2	YES	NO	bb	bb	0.929
40	1234678-HpCDD	40.38	3.330e3	3.168e3	1.253	1.05	1.05	65.3	YES	NO	bb	bb	1.163
41	1234679-HPCDD	39.32	5.545e3	5.181e3	1.286	1.07	1.05	105.0	YES	NO	bb	bb	1.870
42	OCDD	45.16	1.756e4	2.111e4	1.103	0.83	0.89	267.9	YES	NO	bb	bd	8.942

ID: 22L0307-31, Name: 23020729, Date: 08-Feb-2023, Time: 08:17:45, Conditions: AUTOSPEC01, User: pk

PFK1

	Compound	RT	Ion1Area	Ion2Area	RRF	Ratio	Pred R	S/N 1	SNFlag	EMPC	Int.1	Int.2	pg
1	FUNCTION1 PFK	23.40	1.073e4					0.7	NO		bb		
2	FUNCTION1 PFK	23.30	2.749e4					1.6	NO		db		
3	FUNCTION1 PFK	23.24	6.776e3					0.5	NO		bd		
4	FUNCTION1 PFK	22.90	8.301e3					0.7	NO		bb		
5	FUNCTION1 PFK	22.42	7.128e5					10.4	YES		db		
6	FUNCTION1 PFK	22.36	1.304e6					12.4	YES		bd		
7	FUNCTION1 PFK	22.10	7.632e5					20.3	YES		db		
8	FUNCTION1 PFK	22.04	6.571e5					21.7	YES		dd		
9	FUNCTION1 PFK	21.98	1.870e6					22.2	YES		dd		
10	FUNCTION1 PFK	21.53	4.075e6					23.7	YES		dd		
11	FUNCTION1 PFK	21.47	1.045e6					23.4	YES		dd		
12	FUNCTION1 PFK	21.36	1.749e6					23.3	YES		dd		
13	FUNCTION1 PFK	21.22	1.047e6					23.2	YES		dd		
14	FUNCTION1 PFK	21.13	1.182e6					22.1	YES		bd		
15	FUNCTION1 PFK	26.34	6.258e4					2.1	NO		bb		
16	FUNCTION1 PFK	26.21	6.784e4					2.5	NO		db		
17	FUNCTION1 PFK	26.14	7.495e4					2.6	NO		dd		
18	FUNCTION1 PFK	26.05	5.263e4					2.0	NO		dd		
19	FUNCTION1 PFK	25.99	1.954e4					1.1	NO		bd		
20	FUNCTION1 PFK	25.79	2.769e4					1.3	NO		bb		
21	FUNCTION1 PFK	25.72	1.429e4					1.0	NO		db		
22	FUNCTION1 PFK	25.67	9.479e3					0.7	NO		bd		
23	FUNCTION1 PFK	25.52	1.336e4					0.9	NO		bb		
24	FUNCTION1 PFK	24.97	3.065e4					1.0	NO		bb		
25	FUNCTION1 PFK	24.84	3.203e4					1.6	NO		db		
26	FUNCTION1 PFK	24.75	1.089e4					0.8	NO		bd		
27	FUNCTION1 PFK	24.32	1.402e4					0.9	NO		bb		
28	FUNCTION1 PFK	24.23	4.155e4					1.9	NO		bb		
29	FUNCTION1 PFK	23.72	9.138e3					0.7	NO		bb		
30	FUNCTION1 PFK	23.54	4.319e3					0.5	NO		bb		
31	FUNCTION1 PFK	28.04	3.665e5					8.2	YES		db		
32	FUNCTION1 PFK	27.91	1.429e6					13.9	YES		bd		
33	FUNCTION1 PFK	27.32	3.879e6					11.3	YES		db		
34	FUNCTION1 PFK	27.17	2.794e5					7.9	YES		dd		
35	FUNCTION1 PFK	27.11	2.942e5					6.5	YES		dd		
36	FUNCTION1 PFK	26.92	1.432e5					2.6	NO		bd		
37	FUNCTION1 PFK	26.53	3.210e3					0.4	NO		bb		

ID: 22L0307-31, Name: 23020729, Date: 08-Feb-2023, Time: 08:17:45, Conditions: AUTOSPEC01, User: pk

PFK1

	Compound	RT	Ion1Area	Ion2Area	RRF	Ratio	Pred R	S/N 1	SNFlag	EMPC	Int.1	Int.2	pg
38	FUNCTION1 PFK	26.49	3.173e3					0.4	NO		bb		

PFK2

	Compound	RT	Ion1Area	Ion2Area	RRF	Ratio	Pred R	S/N 1	SNFlag	EMPC	Int.1	Int.2	pg
1	FUNCTION2 PFK	29.58	6.168e3					0.5	NO		bb		0.000
2	FUNCTION2 PFK	28.92	4.129e3					0.9	NO		bb		0.000
3	FUNCTION2 PFK	28.88	3.844e3					0.8	NO		bb		0.000
4	FUNCTION2 PFK	28.62	1.101e3					0.4	NO		bb		0.000
5	FUNCTION2 PFK	28.49	4.274e4					1.9	NO		bb		0.000
6	FUNCTION2 PFK	28.34	2.135e3					0.7	NO		bb		0.000
7	FUNCTION2 PFK	28.30	2.438e3					0.6	NO		bb		0.000
8	FUNCTION2 PFK	32.77	1.179e3					0.5	NO		bb		0.000
9	FUNCTION2 PFK	32.58	9.462e2					0.4	NO		bb		0.000
10	FUNCTION2 PFK	31.76	2.341e4					1.8	NO		db		0.000
11	FUNCTION2 PFK	31.72	4.013e3					0.8	NO		bd		0.000
12	FUNCTION2 PFK	31.56	5.134e3					1.0	NO		bb		0.000
13	FUNCTION2 PFK	31.51	9.305e3					1.3	NO		bb		0.000
14	FUNCTION2 PFK	31.21	4.058e3					0.9	NO		bb		0.000
15	FUNCTION2 PFK	31.13	4.925e3					0.4	NO		bb		0.000
16	FUNCTION2 PFK	31.03	7.850e3					0.8	NO		bb		0.000
17	FUNCTION2 PFK	30.98	3.463e3					0.8	NO		bb		0.000
18	FUNCTION2 PFK	30.41	7.876e3					1.4	NO		bb		0.000
19	FUNCTION2 PFK	30.30	9.788e2					0.4	NO		bb		0.000
20	FUNCTION2 PFK	30.20	5.686e3					1.1	NO		db		0.000
21	FUNCTION2 PFK	30.17	4.950e3					0.9	NO		bd		0.000
22	FUNCTION2 PFK	29.97	4.619e3					1.0	NO		bb		0.000
23	FUNCTION2 PFK	29.93	2.134e3					0.6	NO		bb		0.000
24	FUNCTION2 PFK	32.80	9.559e2					0.4	NO		bb		0.000

PFK3

	Compound	RT	Ion1Area	Ion2Area	RRF	Ratio	Pred R	S/N 1	SNFlag	EMPC	Int.1	Int.2	pg
1	FUNCTION3 PFK	37.37	2.149e5					9.6	YES		db		0.000
2	FUNCTION3 PFK	37.28	1.718e5					9.2	YES		bd		0.000
3	FUNCTION3 PFK	35.27	2.554e4					2.3	NO		bb		0.000

ID: 22L0307-31, Name: 23020729, Date: 08-Feb-2023, Time: 08:17:45, Conditions: AUTOSPEC01, User: pk

PFK4

	Compound	RT	Ion1Area	Ion2Area	RRF	Ratio	Pred R	S/N 1	SNFlag	EMPC	Int.1	Int.2	pg
1	FUNCTION4 PFK	39.59	2.432e4					2.0	NO		bb		
2	FUNCTION4 PFK	39.41	6.352e2					0.4	NO		bb		
3	FUNCTION4 PFK	39.31	7.480e3					1.9	NO		db		
4	FUNCTION4 PFK	39.27	2.609e4					2.3	NO		bd		
5	FUNCTION4 PFK	39.01	1.702e4					2.3	NO		bb		
6	FUNCTION4 PFK	38.81	2.274e4					1.6	NO		bb		
7	FUNCTION4 PFK	38.66	5.539e3					1.2	NO		bb		
8	FUNCTION4 PFK	38.44	4.027e4					3.6	YES		bb		
9	FUNCTION4 PFK	38.17	2.903e4					2.5	NO		db		
10	FUNCTION4 PFK	38.05	9.441e3					2.3	NO		bd		
11	FUNCTION4 PFK	42.60	6.644e3					1.6	NO		db		
12	FUNCTION4 PFK	42.49	1.288e4					1.3	NO		bd		
13	FUNCTION4 PFK	42.42	5.143e3					1.1	NO		db		
14	FUNCTION4 PFK	42.35	2.363e3					0.8	NO		bd		
15	FUNCTION4 PFK	42.29	3.305e3					0.9	NO		bb		
16	FUNCTION4 PFK	42.17	1.152e4					1.8	NO		bb		
17	FUNCTION4 PFK	42.04	6.819e3					0.9	NO		bb		
18	FUNCTION4 PFK	41.88	2.591e3					0.9	NO		bb		
19	FUNCTION4 PFK	41.31	1.254e4					1.7	NO		bb		
20	FUNCTION4 PFK	41.20	2.347e3					0.6	NO		bb		
21	FUNCTION4 PFK	41.01	8.547e2					0.5	NO		bb		
22	FUNCTION4 PFK	40.76	8.654e2					0.5	NO		bb		
23	FUNCTION4 PFK	40.19	6.062e3					1.2	NO		bb		
24	FUNCTION4 PFK	39.88	1.105e4					2.4	NO		db		
25	FUNCTION4 PFK	39.83	1.349e4					2.6	NO		dd		
26	FUNCTION4 PFK	39.76	3.545e4					3.1	YES		bd		
27	FUNCTION4 PFK	42.89	4.802e3					0.9	NO		bb		
28	FUNCTION4 PFK	42.85	3.882e3					1.1	NO		bb		

PFK5

	Compound	RT	Ion1Area	Ion2Area	RRF	Ratio	Pred R	S/N 1	SNFlag	EMPC	Int.1	Int.2	pg
1													

ID: 22L0307-31, Name: 23020729, Date: 08-Feb-2023, Time: 08:17:45, Conditions: AUTOSPEC01, User: pk

ETHERS1

	Compound	RT	Ion1Area	Ion2Area	RRF	Ratio	Pred R	S/N 1	SNFlag	EMPC	Int.1	Int.2	pg
1	FUNCTION1 HXCD...	27.00	8.809e1					3.0	YES		bb		0.000
2	FUNCTION1 HXCD...	26.89	2.865e2					7.3	YES		bb		0.000
3	FUNCTION1 HXCD...	26.24	7.176e2					17.1	YES		bb		0.000
4	FUNCTION1 HXCD...	26.02	7.226e2					20.1	YES		db		0.000
5	FUNCTION1 HXCD...	25.85	4.178e2					10.2	YES		bd		0.000
6	FUNCTION1 HXCD...	25.20	2.957e2					7.3	YES		bb		0.000
7	FUNCTION1 HXCD...	23.86	5.968e2					16.2	YES		db		0.000
8	FUNCTION1 HXCD...	23.78	8.166e1					2.8	NO		dd		0.000
9	FUNCTION1 HXCD...	23.70	1.186e2					2.9	NO		bd		0.000
10	FUNCTION1 HXCD...	21.84	1.103e2					1.7	NO		bb		0.000

ETHERS2

	Compound	RT	Ion1Area	Ion2Area	RRF	Ratio	Pred R	S/N 1	SNFlag	EMPC	Int.1	Int.2	pg
1	FUNCTION1 HPCD...	21.22	9.000e1					2.3	NO		bb		0.000
2	FUNCTION1 HPCD...	26.94	8.686e1					2.0	NO		bb		0.000
3	FUNCTION1 HPCD...	25.20	1.013e2					4.1	YES		bb		0.000
4	FUNCTION1 HPCD...	24.94	8.743e1					1.8	NO		bb		0.000
5	FUNCTION1 HPCD...	22.15	9.809e1					2.2	NO		bb		0.000

ETHERS3

	Compound	RT	Ion1Area	Ion2Area	RRF	Ratio	Pred R	S/N 1	SNFlag	EMPC	Int.1	Int.2	pg
1	FUNCTION2 HPCD...	32.30	3.174e2					5.9	YES		bb		0.000
2	FUNCTION2 HPCD...	30.03	1.175e2					2.5	NO		bb		0.000
3	FUNCTION2 HPCD...	29.07	4.503e2					9.8	YES		bb		0.000

ETHERS4

	Compound	RT	Ion1Area	Ion2Area	RRF	Ratio	Pred R	S/N 1	SNFlag	EMPC	Int.1	Int.2	pg
1	FUNCTION3 OCDPE	37.55	8.317e1					1.6	NO		bb		0.000
2	FUNCTION3 OCDPE	36.82	7.515e1					3.9	YES		bb		0.000

ID: 22L0307-31, Name: 23020729, Date: 08-Feb-2023, Time: 08:17:45, Conditions: AUTOSPEC01, User: pk

ETHERS5

	Compound	RT	Ion1Area	Ion2Area	RRF	Ratio	Pred R	S/N 1	SNFlag	EMPC	Int.1	Int.2	pg
1	FUNCTION4 NCDPE	40.63	8.448e1					3.4	YES		bb		0.000
2	FUNCTION4 NCDPE	39.18	9.802e1					2.9	NO		bb		0.000
3	FUNCTION4 NCDPE	38.50	6.071e3					168.0	YES		bb		0.000

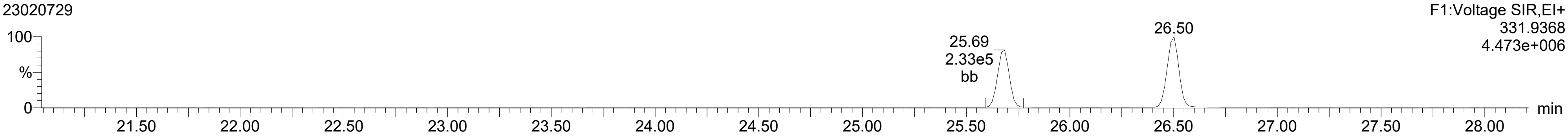
ETHERS6

	Compound	RT	Ion1Area	Ion2Area	RRF	Ratio	Pred R	S/N 1	SNFlag	EMPC	Int.1	Int.2	pg
1													

Method: T:\Autospec\Methods\Dioxin230206.mdb 07 Feb 2023 09:29:10
Calibration: T:\Autospec\Curves\230201ICIH.cdb 03 Feb 2023 10:33:40

ID: 22L0307-31, Name: 23020729, Date: 08-Feb-2023, Time: 08:17:45, Conditions: AUTOSPEC01, User: pk

13C-1234-TCDD



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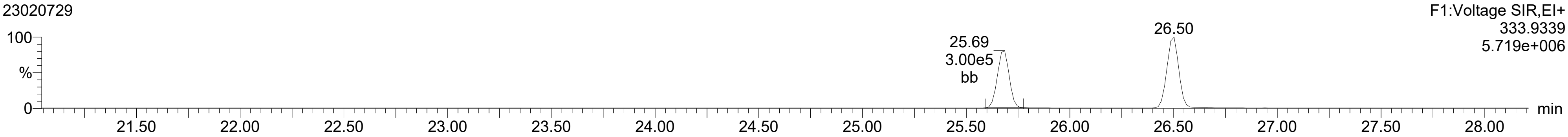
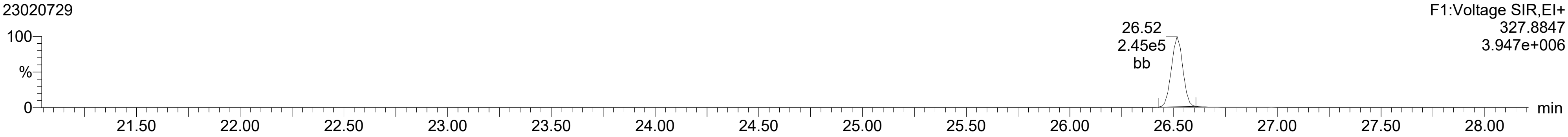


37CL-2378-TCDD



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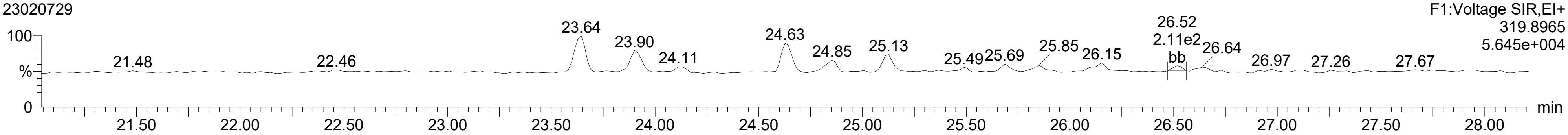

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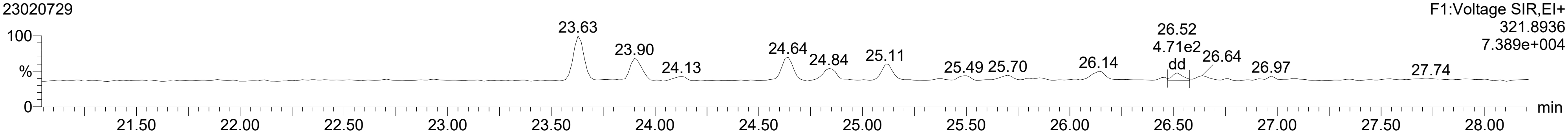

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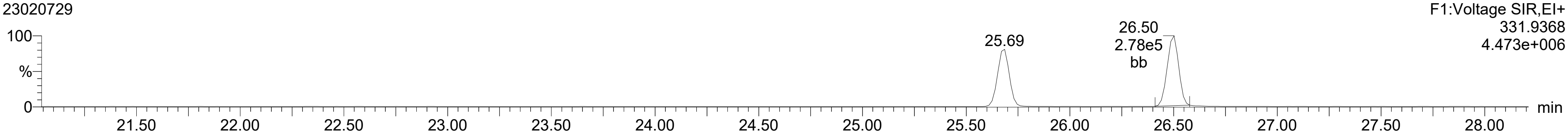

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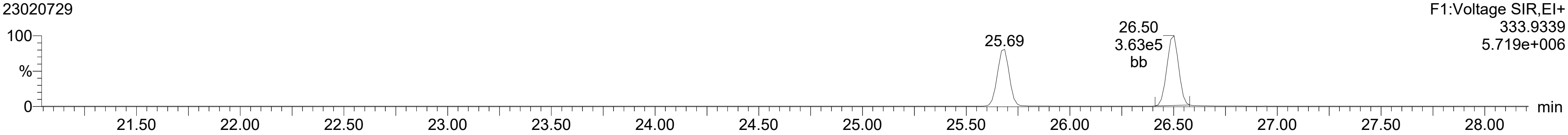

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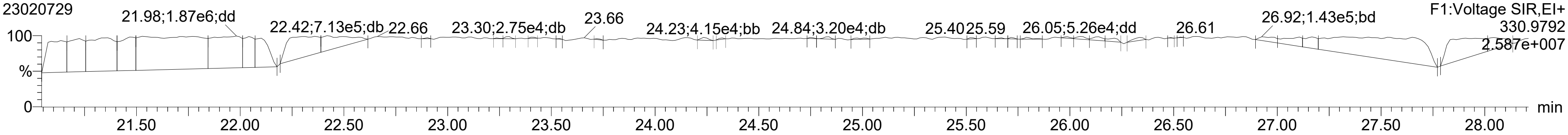

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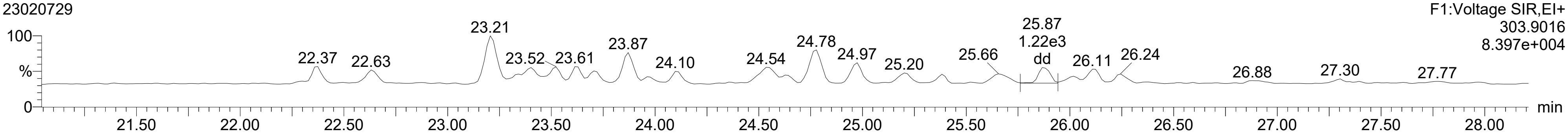

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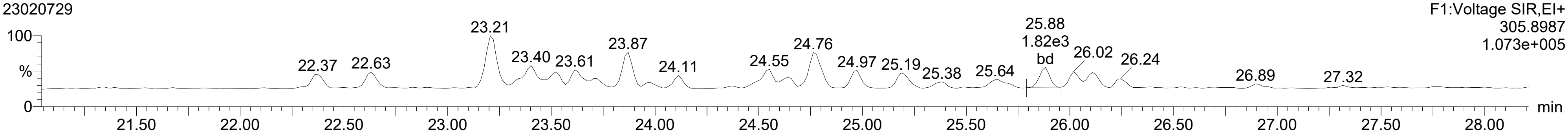

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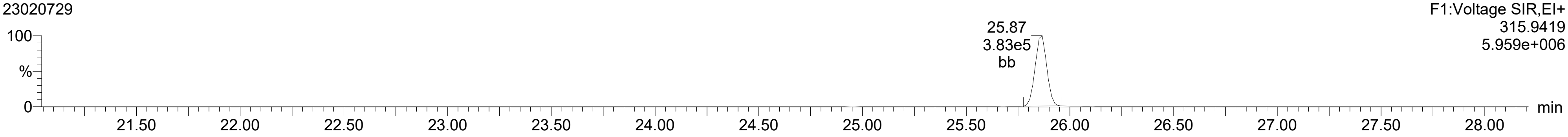

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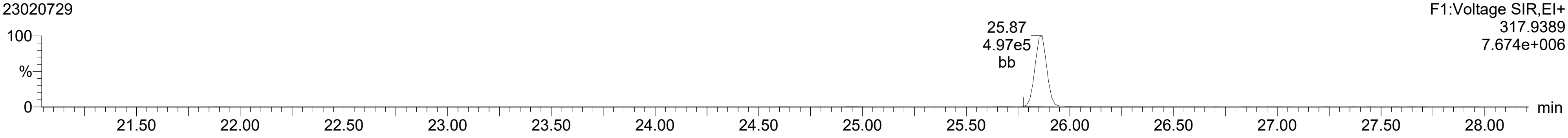
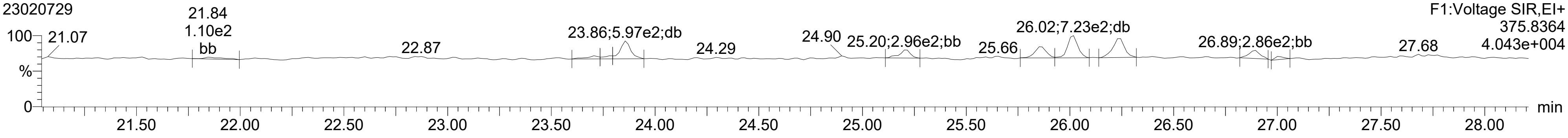


FUNCTION1 HXCDPE



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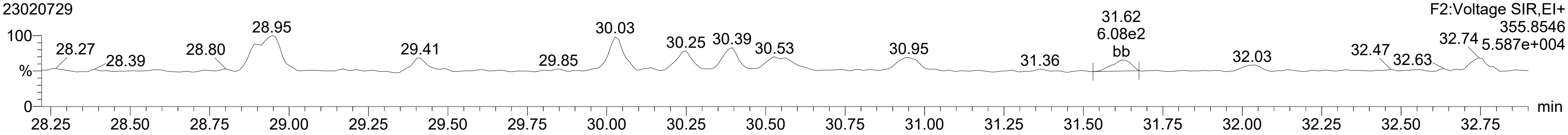
12378-PeCDD



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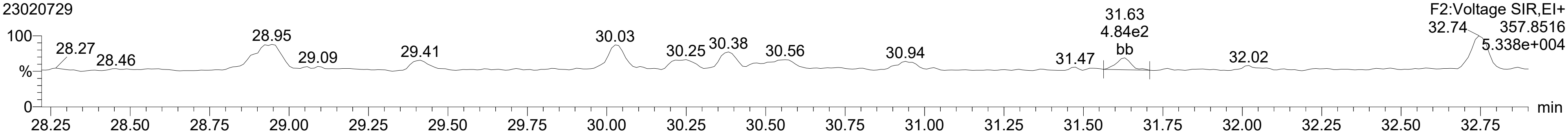

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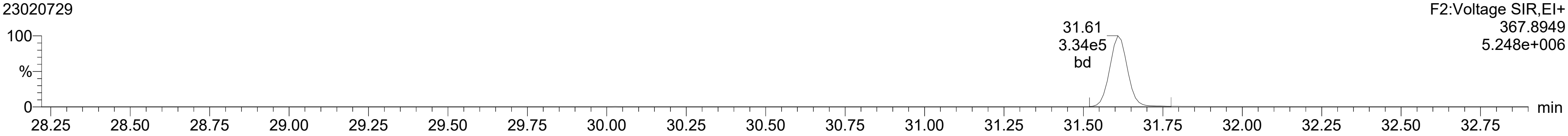

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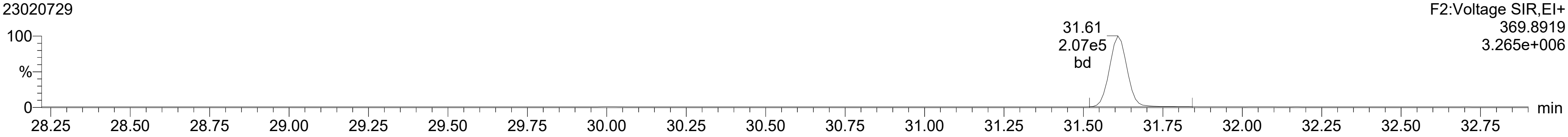
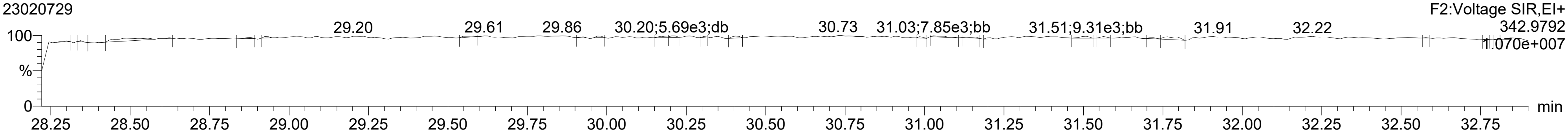


FUNCTION2 PFK



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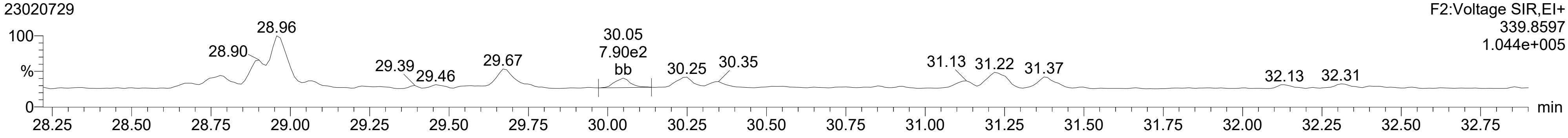

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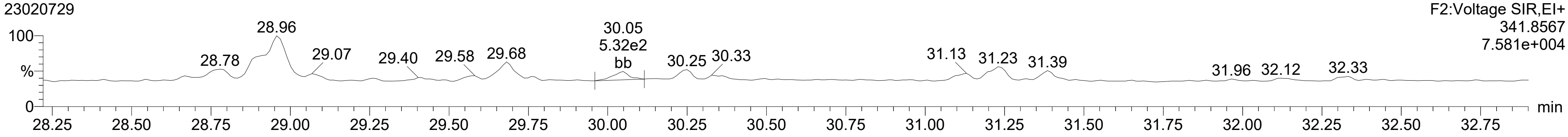

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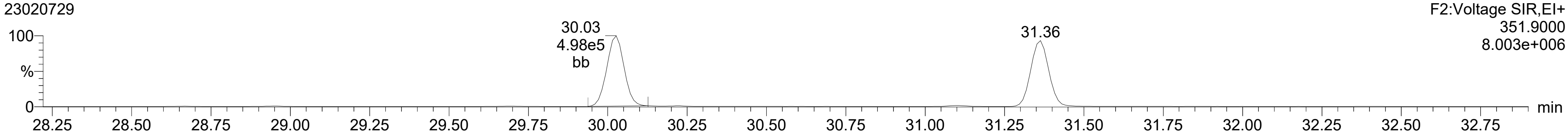

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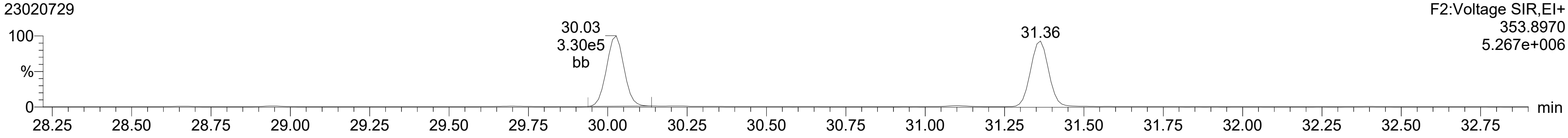

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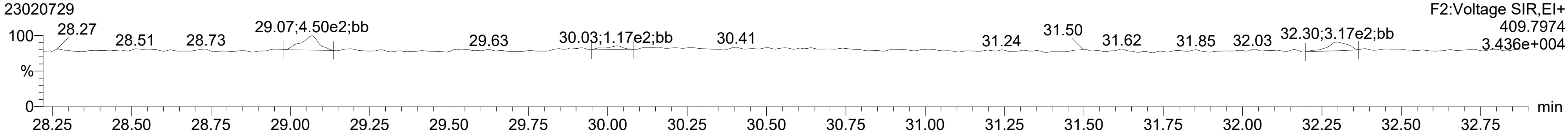

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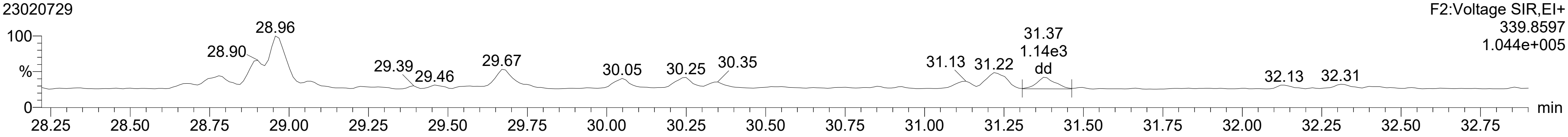
23478-PeCDF



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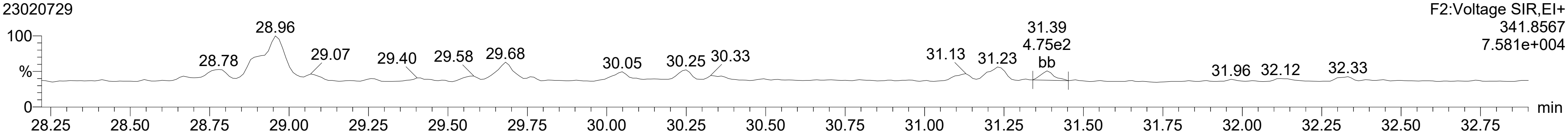

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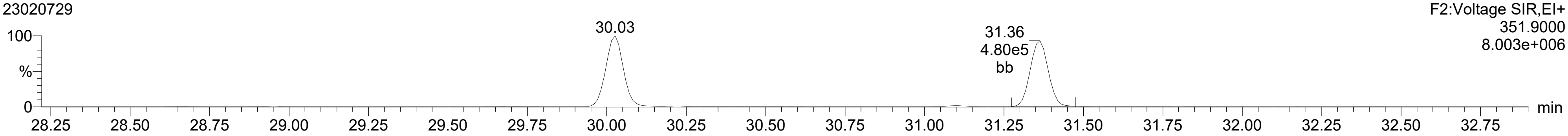

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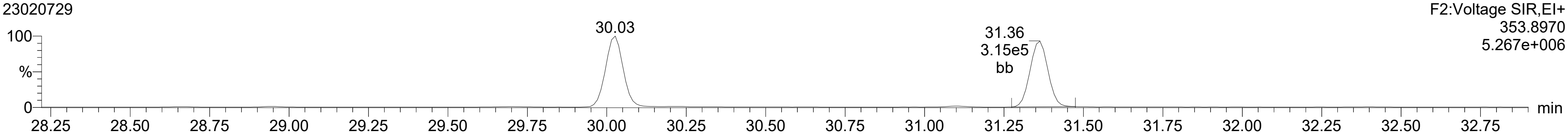
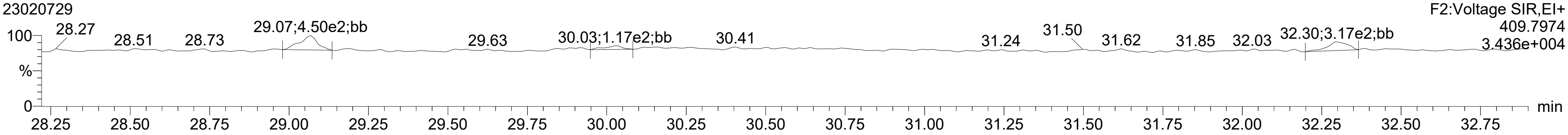


FUNCTION2 HPCDPE



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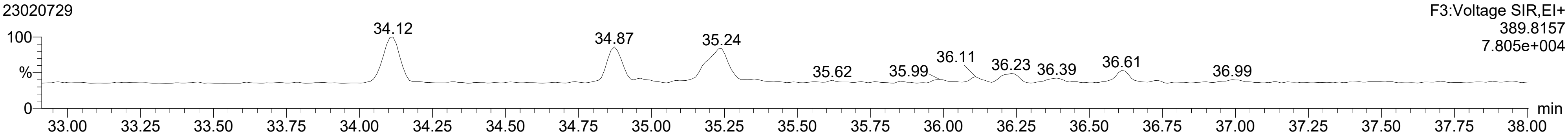
123478-HxCDD



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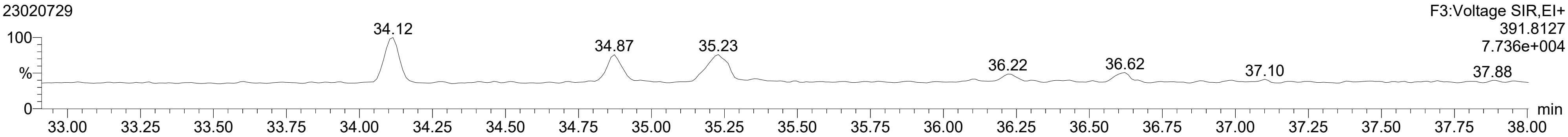

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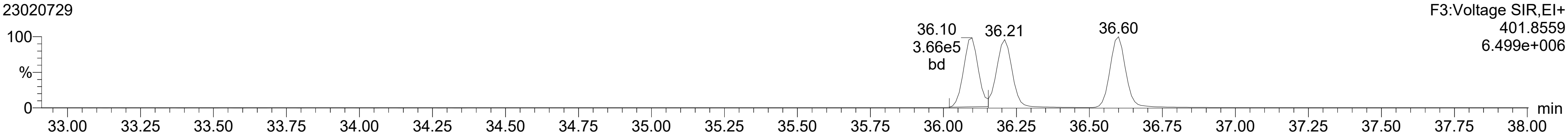

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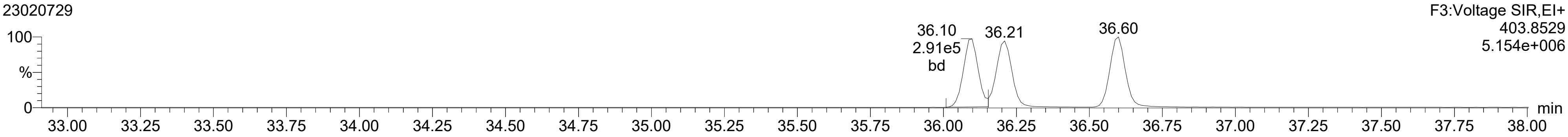
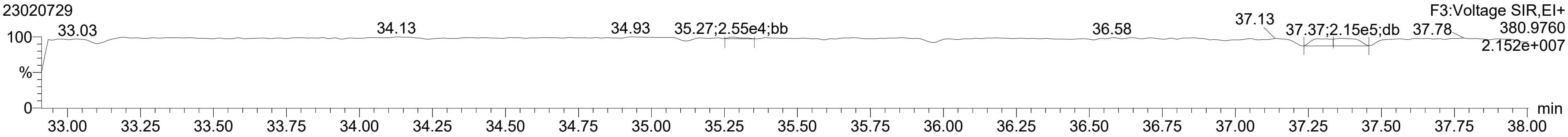


FUNCTION3 PFK



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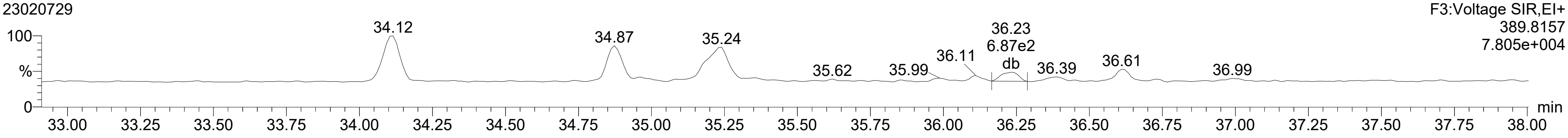
123678-HxCDD



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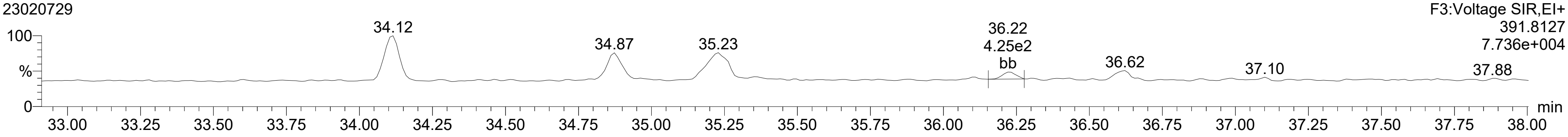

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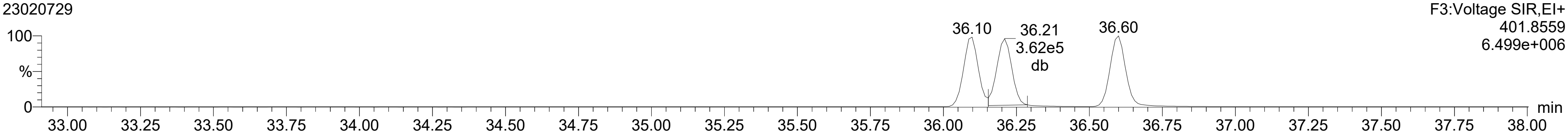

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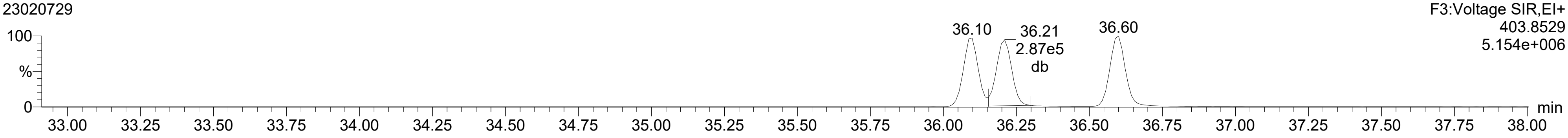

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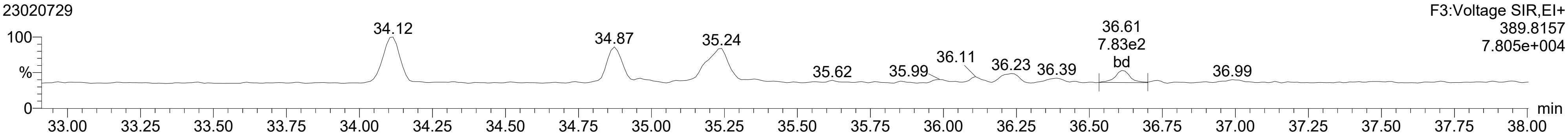
123789-HxCDD



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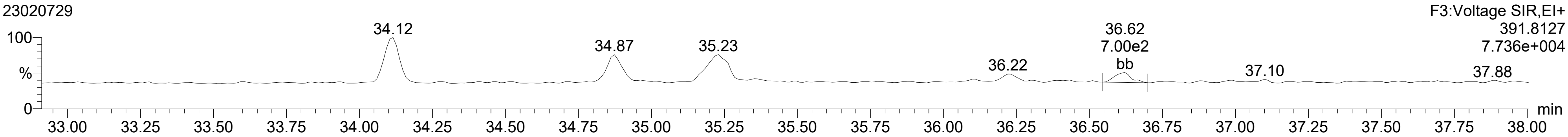

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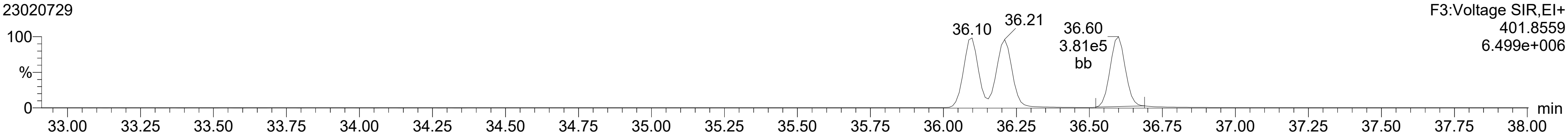

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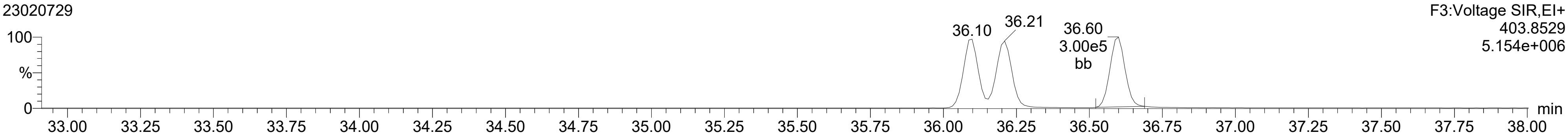

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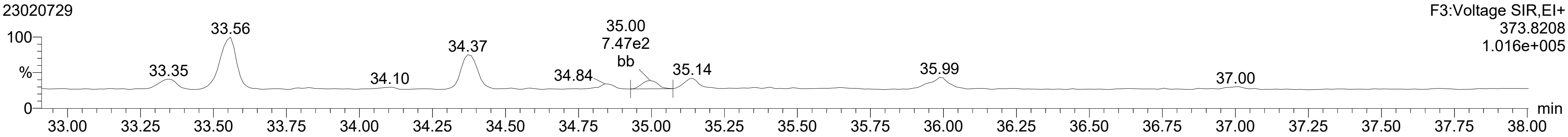

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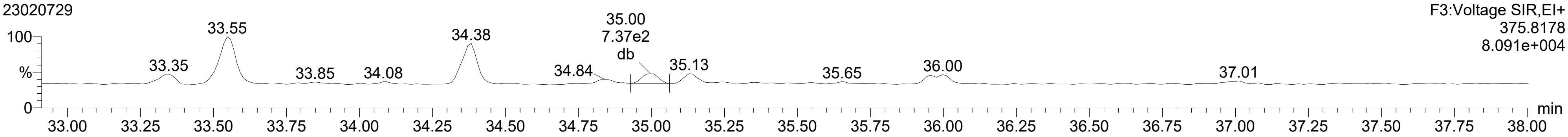

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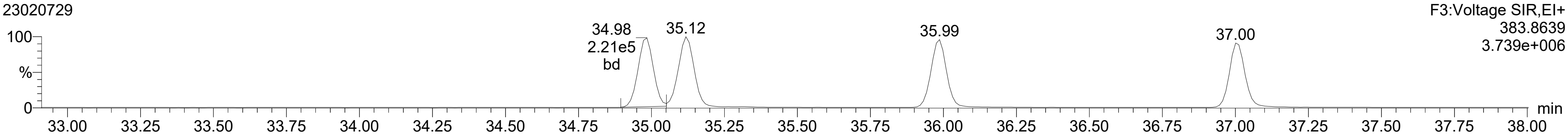

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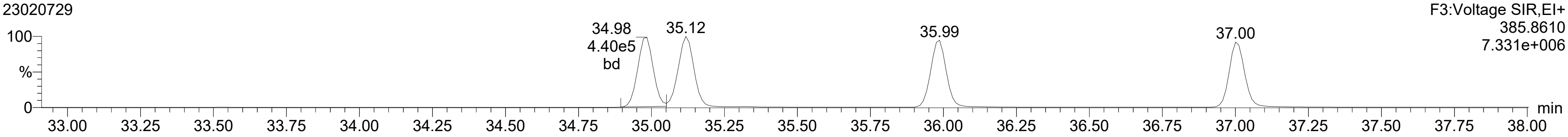
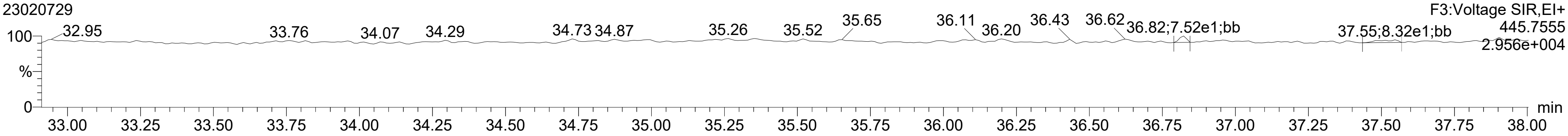


FUNCTION3 OCDPE



ID: 22L0307-31, Name: 23020729, Date: 08-Feb-2023, Time: 08:17:45, Conditions: AUTOSPEC01, User: pk

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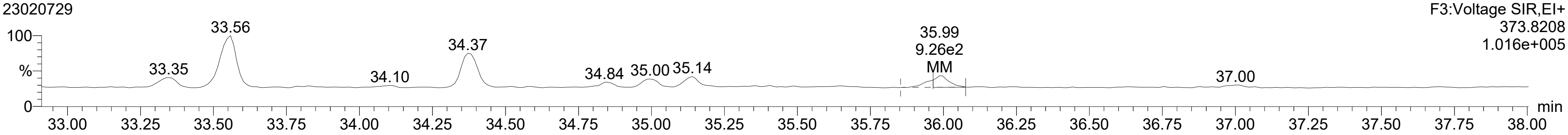

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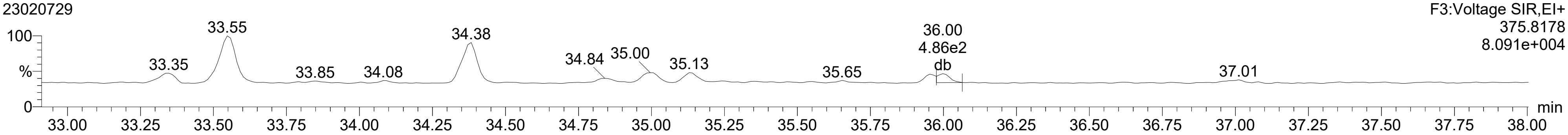

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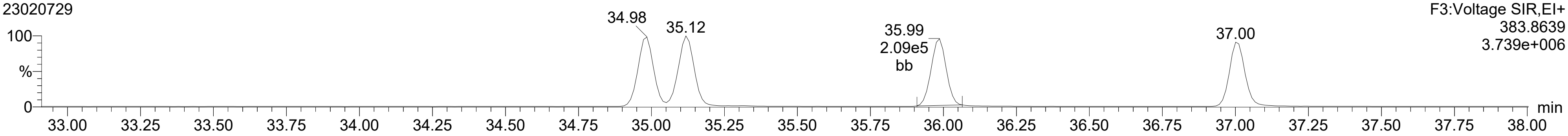

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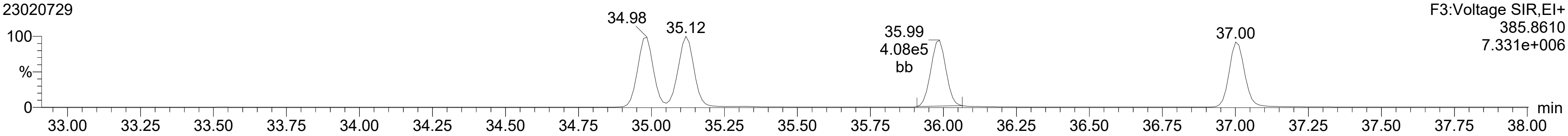

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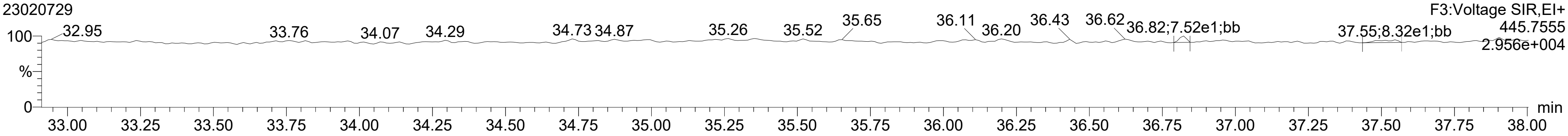

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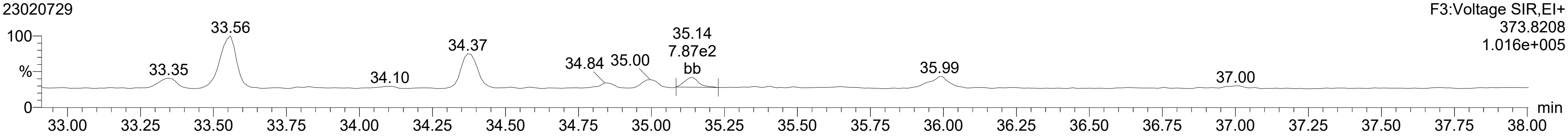

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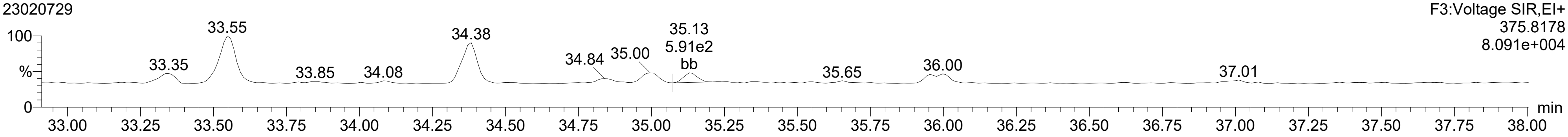

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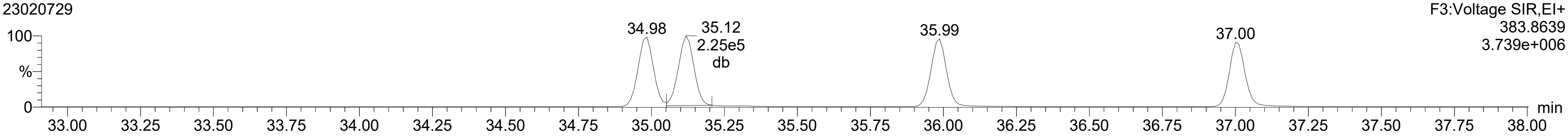

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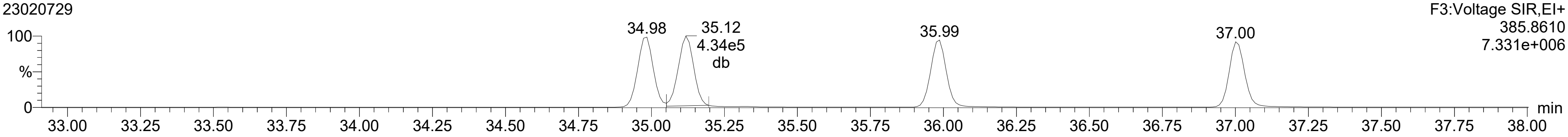

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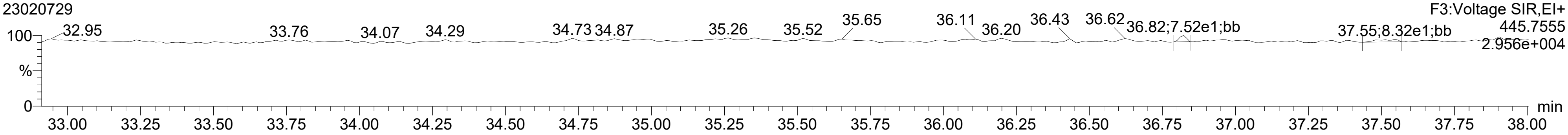

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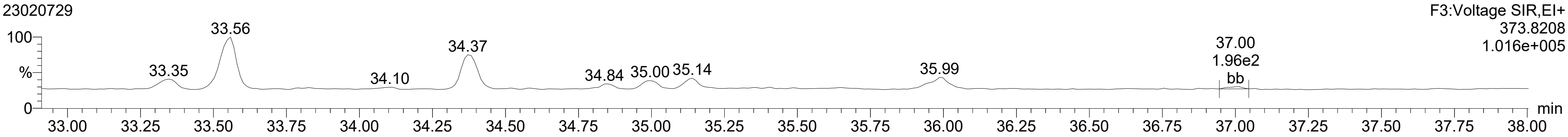

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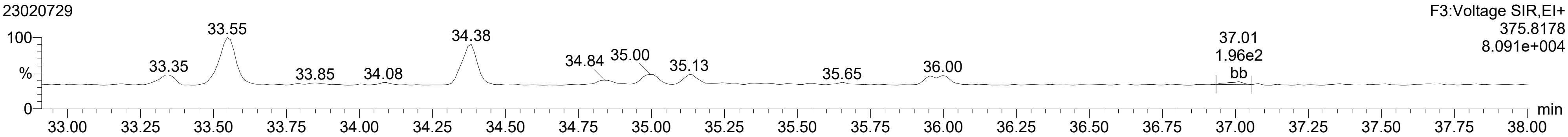

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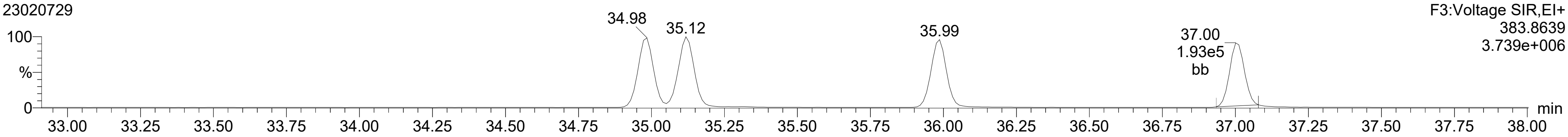

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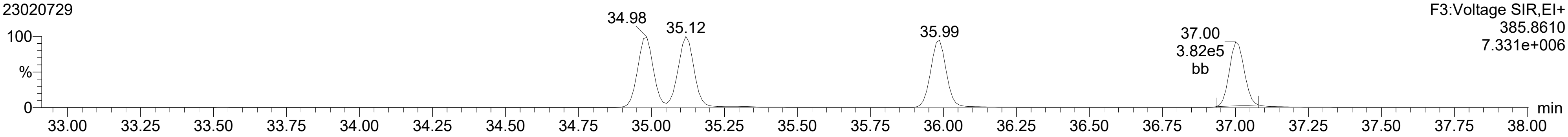

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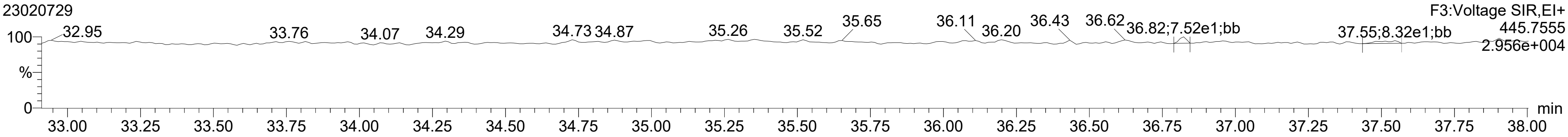

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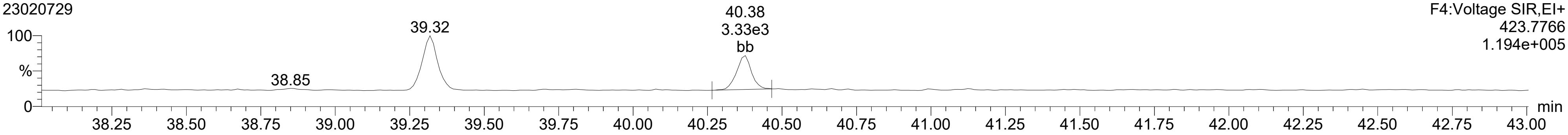

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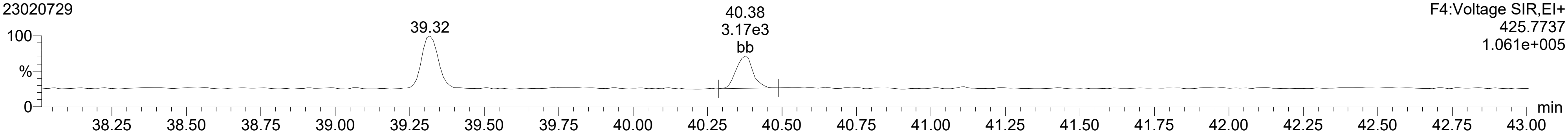

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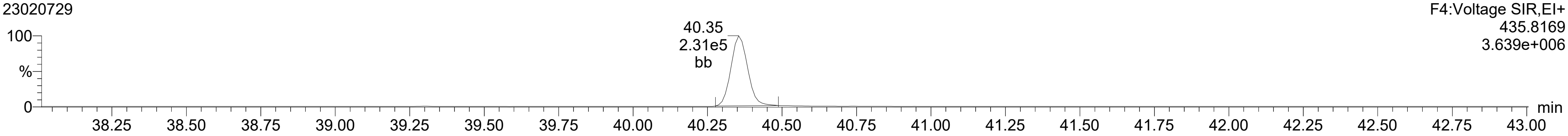

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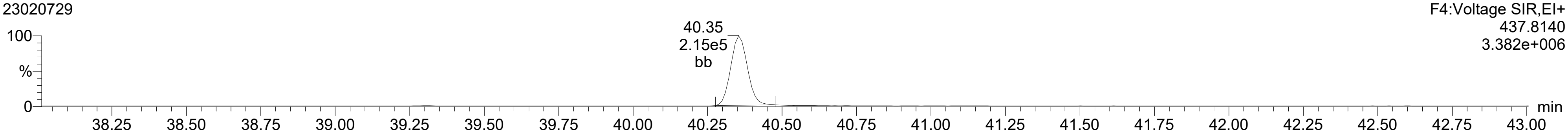
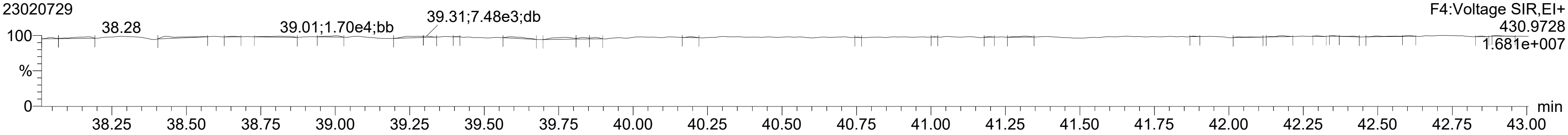


FUNCTION4 PFK



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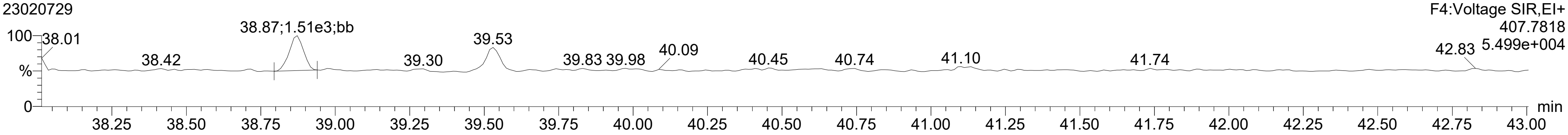

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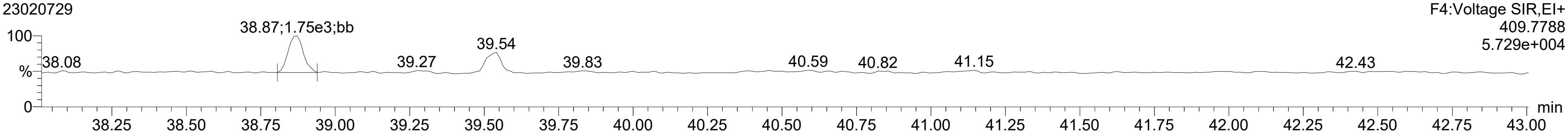

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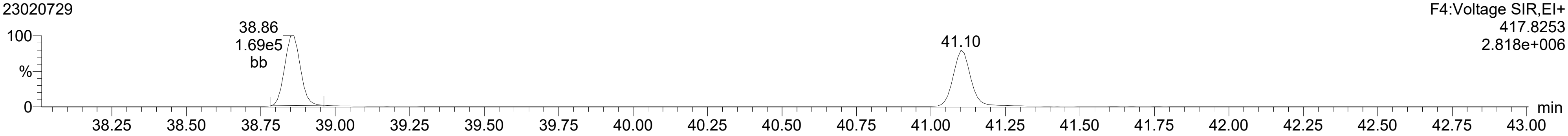

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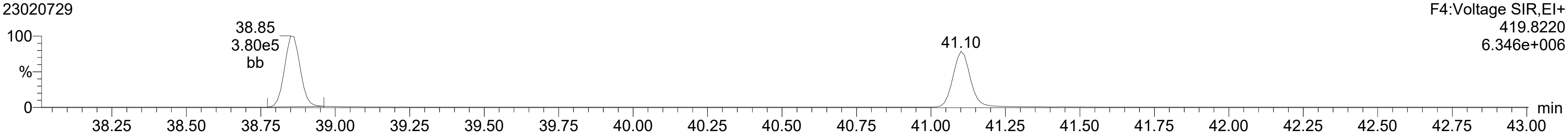

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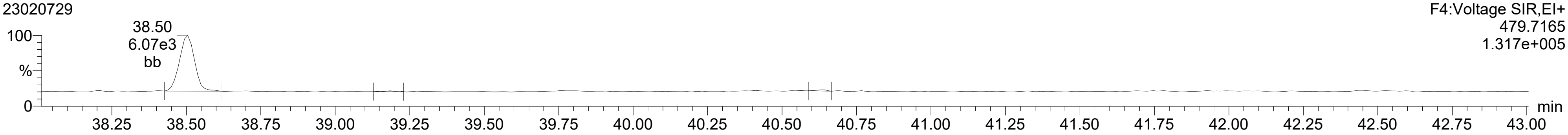

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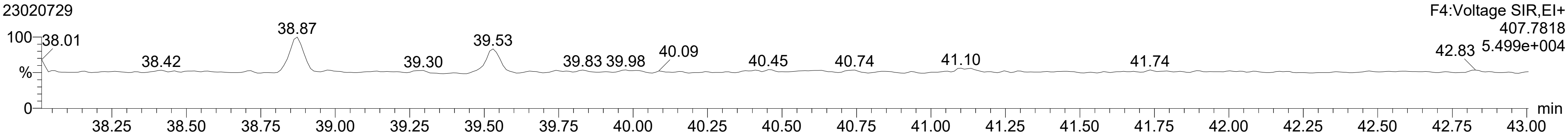

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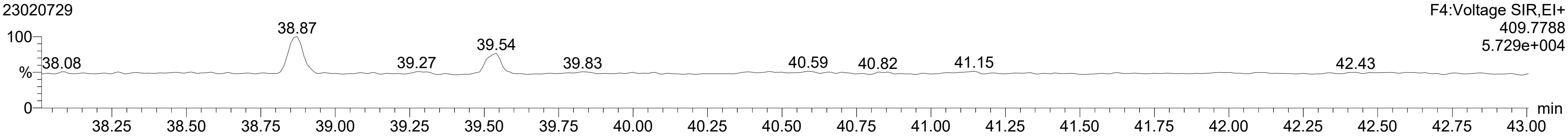

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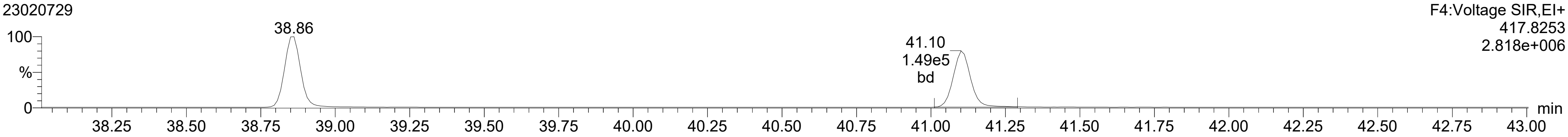

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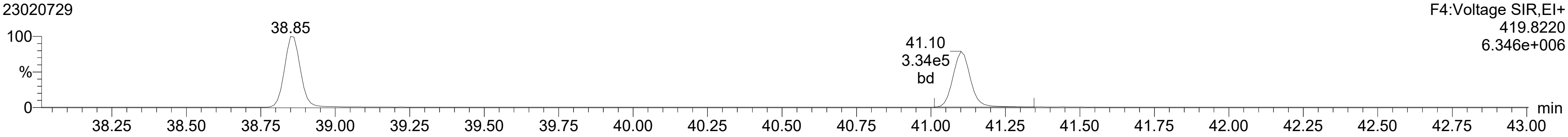

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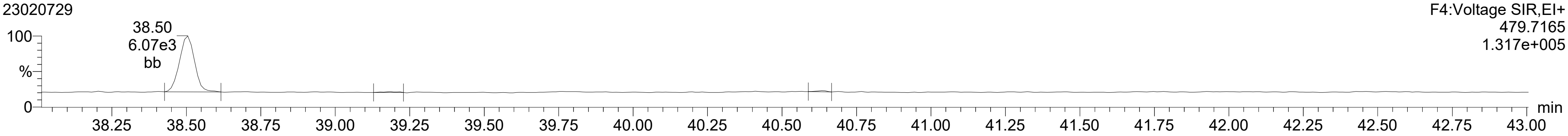
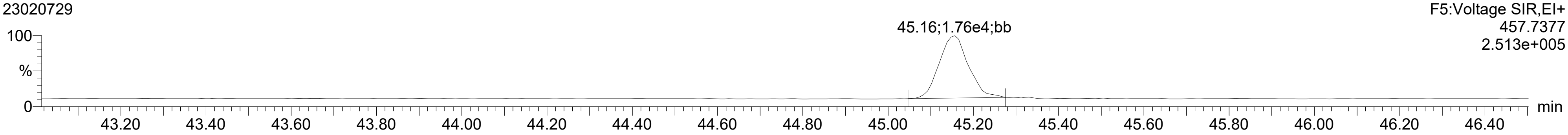


ID: 22L0307-31, Name: 23020729, Date: 08-Feb-2023, Time: 08:17:45, Conditions: AUTOSPEC01, User: pk

OCDD



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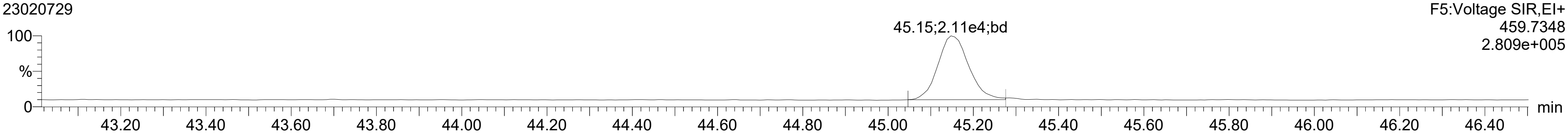

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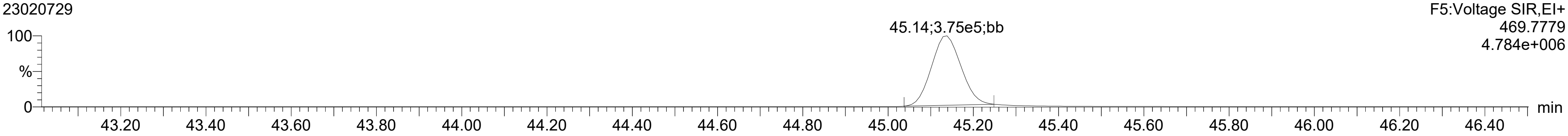

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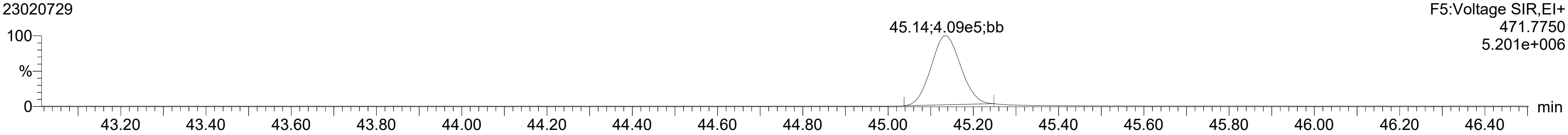

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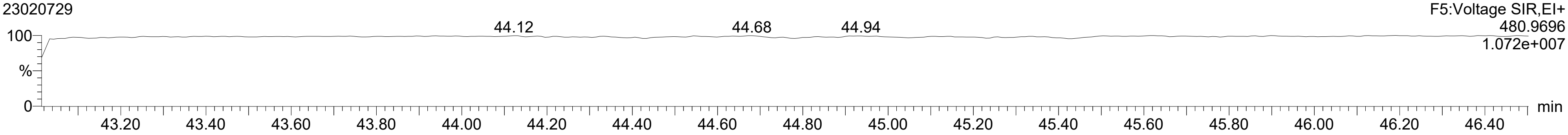

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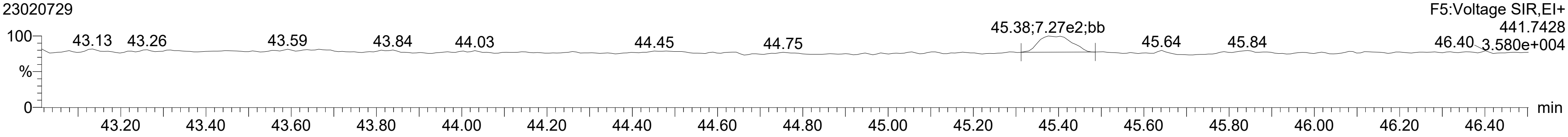
OCDF



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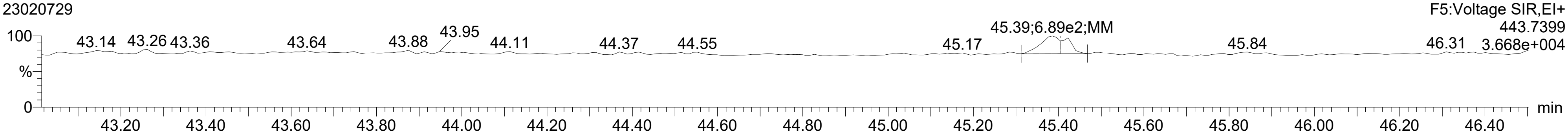

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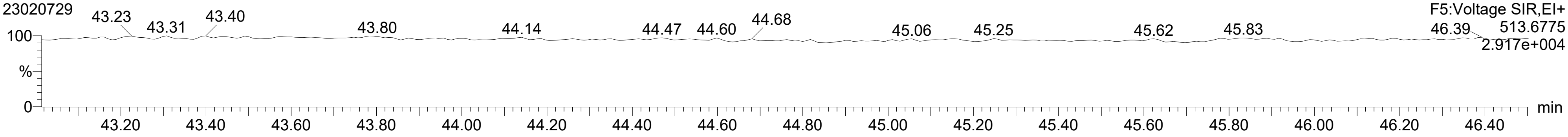
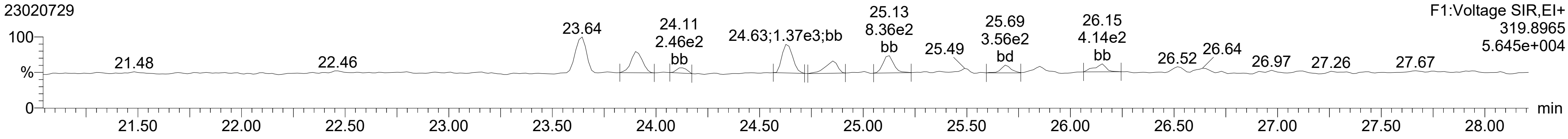
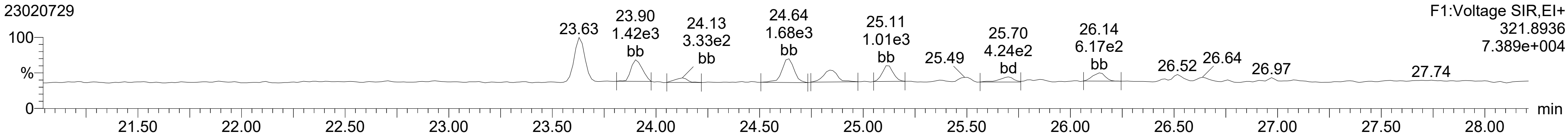


ID: 22L0307-31, Name: 23020729, Date: 08-Feb-2023, Time: 08:17:45, Conditions: AUTOSPEC01, User: pk

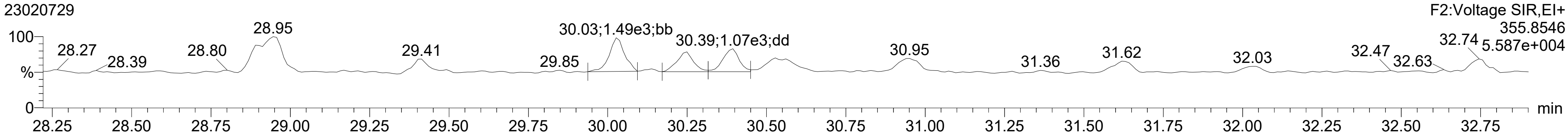
Total-tetradioxins



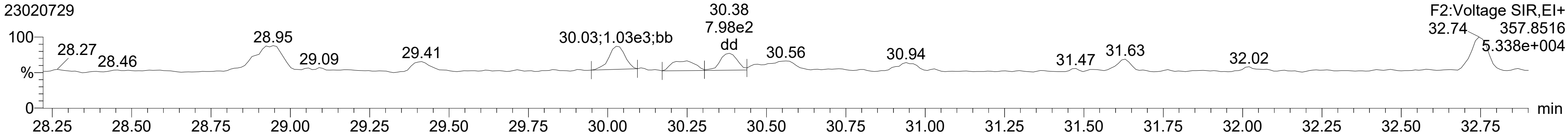
Total-tetradioxins



Total-pentadioxins



Total-pentadioxins



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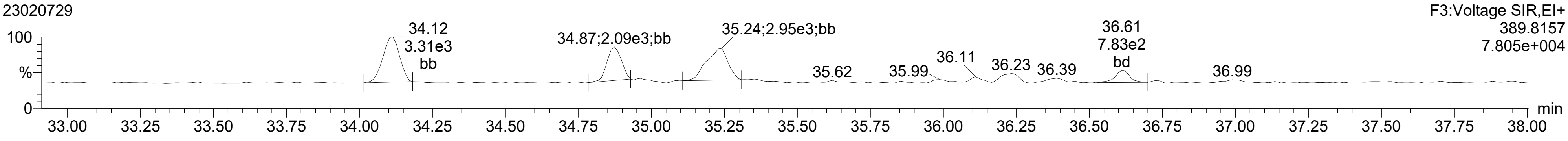
Total-hexadioxins



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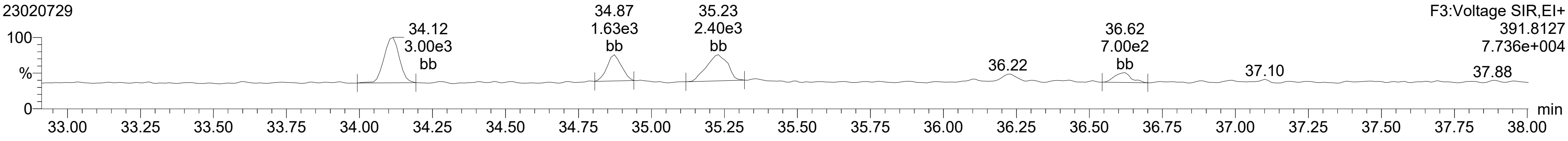

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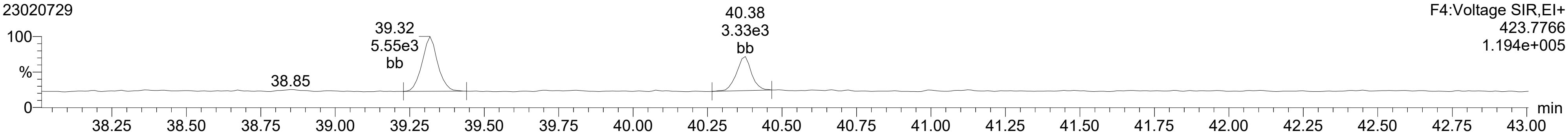
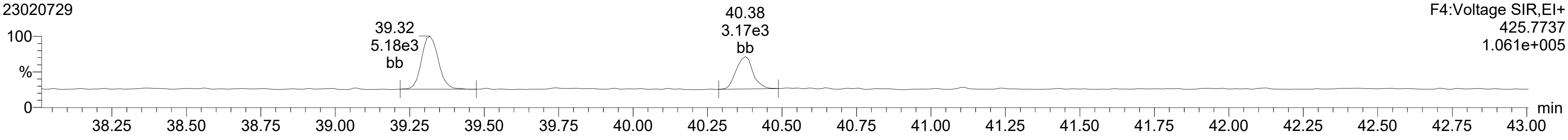
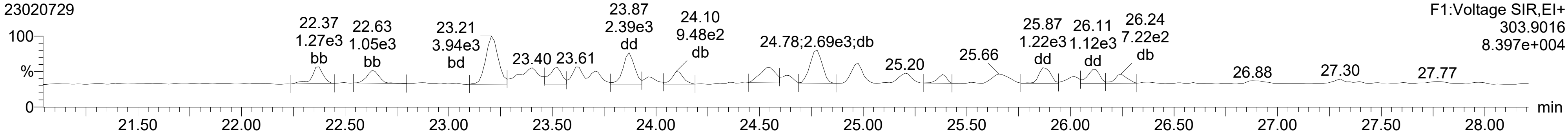


Total-heptadioxins

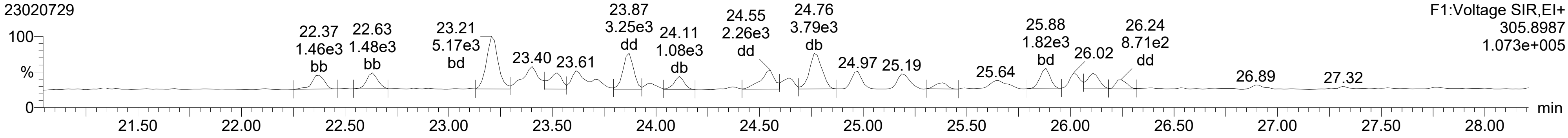


ID: 22L0307-31, Name: 23020729, Date: 08-Feb-2023, Time: 08:17:45, Conditions: AUTOSPEC01, User: pk

Total-tetrafurans



Total-tetrafurans



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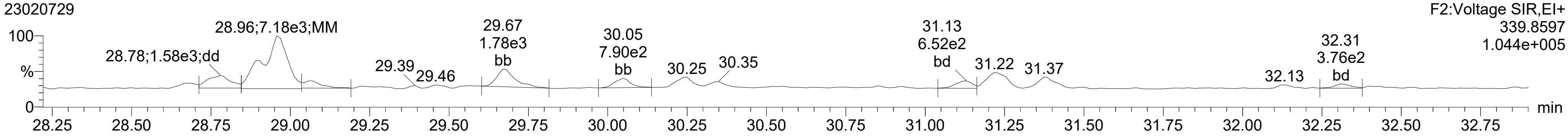

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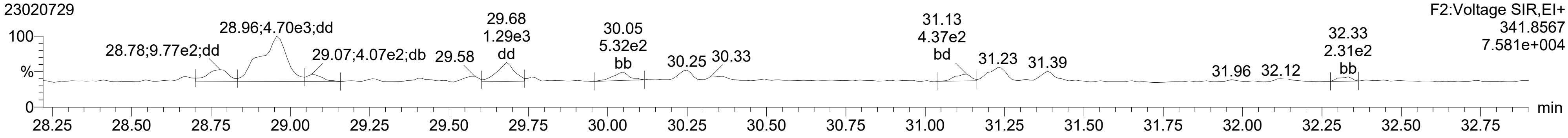

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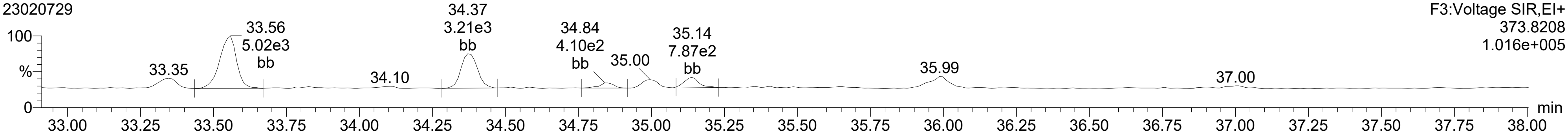

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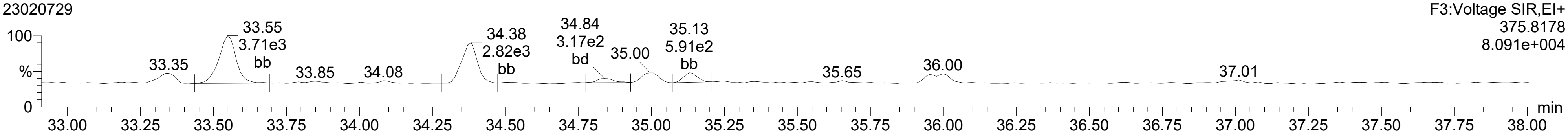
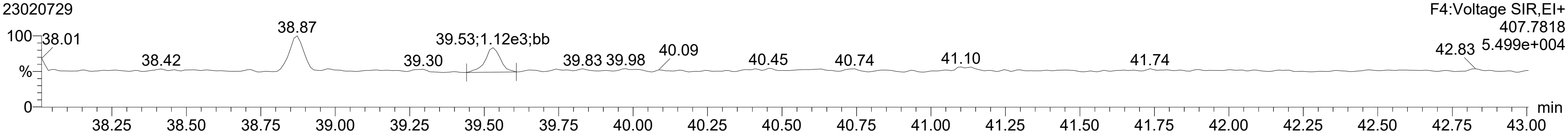
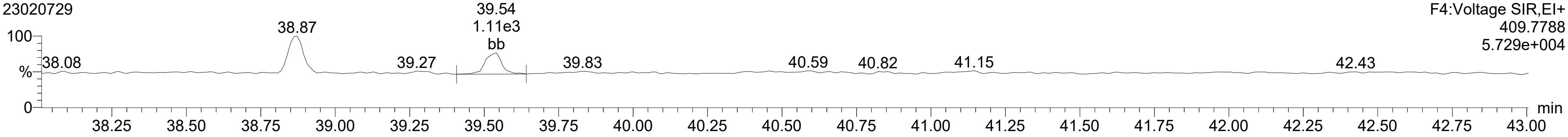


Total-heptafurans



Total-heptafurans



LDW22-IT808D

Form 1
ORGANIC ANALYSIS DATA SHEET
EPA 1613B
Dioxins/Furans by HRGC/HRMS

Laboratory:	Analytical Resources, LLC			SDG:	22L0307
Client:	Anchor QEA, LLC				
Project:	AOC4 UR Phase 3				
Matrix:	Sediment	Laboratory ID:	22L0307-32 A	File ID:	23020730
Sampled:	12/12/22 09:46	Prepared:	12/27/22 14:20	Analyzed:	02/08/23 09:07
% Solids:	61.77	Preparation:	EPA 8290	Initial/Final:	16.2 g Wet / 20 uL
Result Basis:	Dry	Sequence:	SLB0072	Calibration:	GB00010
Batch:	BKL0420	Instrument:	AUTOSPEC01	Column:	RTX-Dioxin2

CAS NO.	COMPOUND	DF/Split	Ion Ratio	Ratio Limits	EDL	RL	Result	Units	Q
51207-31-9	2,3,7,8-TCDF	1	0.743	0.655-0.886	0.256	0.999	1.84	ng/kg	X
1746-01-6	2,3,7,8-TCDD	1		0.655-0.886	0.225	0.999	ND	ng/kg	U
57117-41-6	1,2,3,7,8-PeCDF	1	1.421	1.318-1.783	0.191	0.999	0.263	ng/kg	J
57117-31-4	2,3,4,7,8-PeCDF	1	1.490	1.318-1.783	0.190	0.999	0.325	ng/kg	J
40321-76-4	1,2,3,7,8-PeCDD	1		1.318-1.783	0.605	0.999	ND	ng/kg	U
70648-26-9	1,2,3,4,7,8-HxCDF	1	1.340	1.054-1.426	0.091	0.999	0.333	ng/kg	J
57117-44-9	1,2,3,6,7,8-HxCDF	1	1.598	1.054-1.426	0.086	0.999	0.399	ng/kg	EMPC, J, B
60851-34-5	2,3,4,6,7,8-HxCDF	1	1.581	1.054-1.426	0.089	0.999	0.435	ng/kg	EMPC, J
72918-21-9	1,2,3,7,8,9-HxCDF	1		1.054-1.426	0.099	0.999	ND	ng/kg	U
39227-28-6	1,2,3,4,7,8-HxCDD	1		1.054-1.426	0.128	0.999	ND	ng/kg	U
57653-85-7	1,2,3,6,7,8-HxCDD	1	1.306	1.054-1.426	0.122	0.999	0.348	ng/kg	J
19408-74-3	1,2,3,7,8,9-HxCDD	1	1.157	1.054-1.426	0.127	0.999	0.429	ng/kg	J
67562-39-4	1,2,3,4,6,7,8-HpCDF	1	0.951	0.893-1.208	0.117	0.999	1.30	ng/kg	
55673-89-7	1,2,3,4,7,8,9-HpCDF	1		0.893-1.208	0.154	0.999	ND	ng/kg	U
35822-46-9	1,2,3,4,6,7,8-HpCDD	1	1.155	0.893-1.208	0.192	2.50	2.06	ng/kg	J, B
39001-02-0	OCDF	1	1.077	0.757-1.024	0.232	2.50	0.951	ng/kg	EMPC, J, B
3268-87-9	OCDD	1	0.863	0.757-1.024	0.224	9.99	15.3	ng/kg	B

Homologue Groups

55722-27-5	Total TCDF	1	0.000			0.999	15.2	ng/kg
41903-57-5	Total TCDD	1	0.000			0.999	0.565	ng/kg
30402-15-4	Total PeCDF	1	0.000			0.999	16.8	ng/kg
36088-22-9	Total PeCDD	1	0.000			0.999	ND	ng/kg
55684-94-1	Total HxCDF	1	0.000			0.999	5.79	ng/kg
34465-46-8	Total HxCDD	1	0.000			0.999	3.06	ng/kg
38998-75-3	Total HpCDF	1	0.000			0.999	2.33	ng/kg
37871-00-4	Total HpCDD	1	0.000			0.999	4.77	ng/kg

Total 2,3,7,8-TCDD Equivalence (WHO2005, ND=0, Including EMPC):	0.522
Total 2,3,7,8-TCDD Equivalence (WHO2005, ND=1/2 EDL, Including EMPC):	0.949

LDW22-IT808D

Form 2

ORGANIC ANALYSIS DATA SHEET

EPA 1613B

Dioxins/Furans by HRGC/HRMS

Laboratory:	Analytical Resources, LLC			SDG:	22L0307
Client:	Anchor QEA, LLC			Project:	AOC4 UR Phase 3
Matrix:	Sediment	Laboratory ID:	22L0307-32	File ID:	23020730
Sampled:	12/12/22 09:46	Prepared:	12/27/22 14:20	Analyzed:	02/08/23 09:07
Solids Wt%:	61.77	Preparation:	EPA 8290	Initial/Final:	16.2 g / 20 uL
Result Basis:	Dry	Sequence:	SLB0072	Calibration:	GB00010
Batch:	BKL0420	Instrument:	AUTOSPEC01	Column:	RTX-Dioxin2

Labels	DF/Split	Ion Ratio	Ratio Limits	EDL	% REC	QC LIMITS	Q
13C12-2,3,7,8-TCDF		0.794	0.655-0.886	0.244	86.8	24 - 169 %	
13C12-2,3,7,8-TCDD		0.782	0.655-0.886	0.300	101	25 - 164 %	
13C12-1,2,3,7,8-PeCDF		1.538	1.318-1.783	0.198	91.6	24 - 185 %	
13C12-2,3,4,7,8-PeCDF		1.534	1.318-1.783	0.206	92.2	21 - 178 %	
13C12-1,2,3,7,8-PeCDD		1.611	1.318-1.783	0.190	100	25 - 181 %	
13C12-1,2,3,4,7,8-HxCDF		0.503	0.434-0.587	0.141	84.8	26 - 152 %	
13C12-1,2,3,6,7,8-HxCDF		0.511	0.434-0.587	0.137	85.8	26 - 123 %	
13C12-2,3,4,6,7,8-HxCDF		0.506	0.434-0.587	0.146	84.8	28 - 136 %	
13C12-1,2,3,7,8,9-HxCDF		0.508	0.434-0.587	0.160	84.3	29 - 147 %	
13C12-1,2,3,4,7,8-HxCDD		1.277	1.054-1.426	0.179	98.9	32 - 141 %	
13C12-1,2,3,6,7,8-HxCDD		1.270	1.054-1.426	0.173	97.1	28 - 130 %	
13C12-1,2,3,4,6,7,8-HpCDF		0.441	0.374-0.506	0.147	76.0	28 - 143 %	
13C12-1,2,3,4,7,8,9-HpCDF		0.448	0.374-0.506	0.168	79.4	26 - 138 %	
13C12-1,2,3,4,6,7,8-HpCDD		1.082	0.893-1.208	0.203	80.5	23 - 140 %	
13C12-OCDD		0.908	0.757-1.024	0.204	73.1	17 - 157 %	
37Cl4-2,3,7,8-TCDD		328.000		0.111	90.5	35 - 197 %	

* Values outside of QC limits

Method: T:\Autospec\Methods\Dioxin230206.mdb 07 Feb 2023 09:29:10
Calibration: T:\Autospec\Curves\230201ICIH.cdb 03 Feb 2023 10:33:40

ID: 22L0307-32, Name: 23020730, Date: 08-Feb-2023, Time: 09:07:11, Conditions: AUTOSPEC01, User: pk

Compound	RT	RRT	Ion1Area	Ion2Area	RRF	Ratio	Pred R	Noise 1	Noise 2	Height 1	Height 2	S/N 1	S/N 2	EMPC	Int.1	Int.2	pg
2378-TCDF	25.882	1.001	2.407e3	3.242e3	0.876	0.743	0.770	1797	2349	3.43e4	4.91e4	19.1	20.9	NO	bd	bd	0.922
12378-PeCDF	30.048	1.001	4.156e2	2.924e2	0.845	1.421	1.550	1537	1246	6.89e3	5.91e3	4.5	4.7	NO	bb	MM	0.131
23478-PeCDF	31.385	1.001	5.460e2	3.663e2	0.911	1.490	1.550	1537	1246	1.01e4	6.81e3	6.6	5.5	NO	db	bb	0.163
123478-HxCDF	34.995	1.000	5.767e2	4.304e2	1.182	1.340	1.240	752	764	9.89e3	7.60e3	13.2	10.0	NO	dd	bd	0.167
234678-HxCDF	35.998	1.000	8.047e2	5.089e2	1.229	1.581	1.240	752	764	1.20e4	8.71e3	15.9	11.4	YES	db	MM	0.217
123678-HxCDF	35.140	1.001	8.119e2	5.081e2	1.248	1.598	1.240	752	764	1.16e4	8.19e3	15.4	10.7	YES	db	db	0.200
123789-HxCDF					1.187		1.240	752	764								
1234678-HpCDF	38.873	1.000	1.719e3	1.808e3	1.204	0.951	1.050	975	843	2.98e4	2.77e4	30.6	32.8	NO	bb	bb	0.651
1234789-HpCDF					1.165		1.050	975	843								
OCDF	45.376	1.005	9.638e2	8.945e2	1.186	1.077	0.890	928	918	1.19e4	1.25e4	12.9	13.7	YES	bb	MM	0.476
2378-TCDD					1.236		0.770	1813	1914								
12378-PeCDD					1.087		1.550	5538	1472								
123478-HxCDD					0.987		1.240	905	951								
123678-HxCDD	36.221	1.000	5.380e2	4.119e2	1.021	1.306	1.240	905	951	7.73e3	6.48e3	8.5	6.8	NO	bb	bb	0.174
123789-HxCDD	36.611	1.011	6.019e2	5.203e2	0.985	1.157	1.240	905	951	1.01e4	7.15e3	11.2	7.5	NO	bb	bb	0.214
1234678-HpCDD	40.376	1.001	2.486e3	2.151e3	1.253	1.155	1.050	1294	953	3.98e4	3.41e4	30.7	35.8	NO	bb	bb	1.029
OCDD	45.138	1.000	1.289e4	1.493e4	1.103	0.863	0.890	793	861	1.55e5	1.74e5	195.1	202.2	NO	bb	bb	7.663
13C-2378-TCDF	25.867	1.007	3.094e5	3.899e5	1.768	0.794	0.770	2834	2349	4.90e6	6.14e6	1728.6	2616.0	NO	bb	bb	86.796
13C-12378-PeCDF	30.026	1.169	3.864e5	2.513e5	1.527	1.538	1.550	1443	2183	6.26e6	4.07e6	4342.3	1862.9	NO	bb	bb	91.643
13C-23478-PeCDF	31.363	1.221	3.730e5	2.432e5	1.466	1.534	1.550	1443	2183	5.85e6	3.83e6	4052.5	1755.4	NO	bb	bb	92.221
13C-123478-HxCDF	34.984	0.956	1.709e5	3.398e5	1.054	0.503	0.510	1094	1264	2.84e6	5.59e6	2598.1	4421.3	NO	bd	bd	84.835
13C-123678-HxCDF	35.118	0.960	1.791e5	3.506e5	1.080	0.511	0.510	1094	1264	2.87e6	5.66e6	2625.6	4479.8	NO	db	db	85.832
13C-234678-HxCDF	35.987	0.983	1.653e5	3.264e5	1.014	0.506	0.510	1094	1264	2.79e6	5.48e6	2548.8	4332.3	NO	bb	bb	84.827
13C-123789-HxCDF	37.012	1.011	1.506e5	2.963e5	0.928	0.508	0.510	1094	1264	2.60e6	5.03e6	2372.8	3982.1	NO	bb	bb	84.281
13C-1234678-HpCDF	38.861	1.062	1.377e5	3.124e5	1.036	0.441	0.440	1095	1329	2.36e6	5.31e6	2157.6	3998.6	NO	bb	bb	76.033
13C-1234789-HpCDF	41.101	1.123	1.271e5	2.834e5	0.905	0.448	0.440	1095	1329	1.87e6	4.02e6	1712.2	3027.2	NO	bd	bb	79.384
13C-1234-TCDD	25.685	0.000	2.010e5	2.547e5	1.000	0.789	0.770	2193	1788	3.18e6	4.00e6	1449.5	2235.8	NO	bb	bb	100.000
13C-2378-TCDD	26.501	1.032	2.230e5	2.851e5	1.103	0.782	0.770	2193	1788	3.52e6	4.48e6	1606.0	2504.3	NO	bb	bb	101.107
13C-12378-PeCDD	31.619	1.231	2.581e5	1.602e5	0.914	1.611	1.550	1081	1006	3.94e6	2.46e6	3650.6	2445.1	NO	bb	bb	100.425
13C-123478-HxCDD	36.098	0.986	2.957e5	2.315e5	0.933	1.277	1.240	1510	1137	4.94e6	3.91e6	3269.5	3433.8	NO	bd	bd	98.883
13C-123678-HxCDD	36.210	0.989	2.994e5	2.357e5	0.965	1.270	1.240	1510	1137	5.01e6	3.97e6	3320.8	3492.1	NO	db	db	97.076
13C-1234678-HpCDD	40.354	1.103	1.870e5	1.728e5	0.782	1.082	1.050	1204	1323	2.91e6	2.70e6	2420.4	2037.9	NO	bb	bb	80.524
13C-OCDD	45.138	1.233	3.134e5	3.452e5	0.788	0.908	0.890	1496	1059	3.83e6	4.22e6	2560.4	3987.6	NO	bb	bb	146.224
13C-123789-HxCDD	36.599	0.000	3.182e5	2.532e5	1.000	1.257	1.240	1510	1137	5.31e6	4.23e6	3515.0	3721.4	NO	bb	bb	100.000
37CL-2378-TCDD	26.517	1.032	2.034e5		1.233			1648		3.21e6		1945.1			bb		36.183

ID: 22L0307-32, Name: 23020730, Date: 08-Feb-2023, Time: 09:07:11, Conditions: AUTOSPEC01, User: pk

Compound	RT	RRT	Ion1Area	Ion2Area	RRF	Ratio	Pred R	Noise 1	Noise 2	Height 1	Height 2	S/N 1	S/N 2	EMPC	Int.1	Int.2	pg
1368-TCDF	22.374	0.865	5.276e2	9.792e2	1.064	0.539	0.770	1797	2349	9.65e3	1.20e4	5.4	5.1	YES	db	db	0.202
1289-TCDF					0.858		0.770	1797	2349								
13468-PECDF					1.013		1.550	1522	1850								
12389-PECDF					0.844		1.550	1537	1246								
123468-HXCDF	33.346	0.953	1.076e3	6.902e2	1.197	1.558	1.240	752	764	1.71e4	1.16e4	22.8	15.2	YES	bd	bb	0.289
1368-TCDD	23.644	0.892	1.274e3	1.375e3	1.084	0.927	0.770	1813	1914	1.85e4	1.99e4	10.2	10.4	YES	bb	bb	0.481
1289-TCDD					0.975		0.770	1813	1914								
12479-PECDD					1.837		1.550	5538	1472								
12389-PECDD					1.252		1.550	5538	1472								
124679-HXCDD	34.104	0.945	2.180e3	1.799e3	1.033	1.212	1.240	905	951	3.48e4	2.84e4	38.5	29.8	NO	bb	bb	0.731
1234679-HPCDD	39.318	0.974	3.304e3	2.971e3	1.286	1.112	1.050	1294	953	5.79e4	4.87e4	44.8	51.1	NO	bb	bb	1.356
Total-tetrafurans			2.076e4		0.933			1797		3.24e5							7.617
Total-penta1			1.501e4					1522		2.23e5							4.321
Total-pentafurans			1.322e4		0.866			1537		1.99e5							4.093
Total-hexafurans			9.367e3		1.208			752		1.45e5							2.898
Total-heptafurans			3.127e3		1.185			975		5.55e4							1.164
Total-Furans			6.208e4		1.067			1797		9.61e5							20.286
Total-tetradioxins			6.639e2		1.099			1813		1.04e4							0.283
Total-pentadioxins			0.000e0		1.392			5538		0.00e0							
Total-hexadioxins			4.492e3		1.007			905		7.30e4							1.529
Total-heptadioxins			5.790e3		1.269			1294		9.76e4							2.385
Total-Dioxins			2.394e4		1.165			1813		3.39e5							11.905
Total-TEQ			8.602e4					1813		1.30e6							32.191
FUNCTION1 PFK			1.076e7					805713		8.52e7							
FUNCTION2 PFK			3.151e5					456625		1.11e7							0.000
FUNCTION3 PFK			8.870e6					317059		8.16e7							0.000
FUNCTION4 PFK			7.176e5					191460		1.46e7							
FUNCTION5 PFK			1.893e4					129999		8.56e5							
FUNCTION1 HXCD...			1.414e4					1363		2.42e5							0.000
FUNCTION1 HPCD...			6.652e3					1944		1.30e5							0.000
FUNCTION2 HPCD...			6.575e3					1215		1.11e5							0.000
FUNCTION3 OCDPE			3.309e2					664		4.49e3							0.000
FUNCTION4 NCDPE			3.665e3					887		7.31e4							0.000
FUNCTION5 DCDPE			5.111e2					938		1.09e4							0.000

Method: T:\Autospec\Methods\Dioxin230206.mdb 07 Feb 2023 09:29:10
Calibration: T:\Autospec\Curves\230201ICIH.cdb 03 Feb 2023 10:33:40

ID: 22L0307-32, Name: 23020730, Date: 08-Feb-2023, Time: 09:07:11, Conditions: AUTOSPEC01, User: pk

TF

	Compound	RT	Ion1Area	Ion2Area	RRF	Ratio	Pred R	S/N 1	SNFlag	EMPC	Int.1	Int.2	pg
1	Total-tetrafurans	22.63	1.267e3	1.748e3	0.933	0.72	0.77	13.1	YES	NO	bd	bd	0.462
2	Total-tetrafurans	24.66	4.434e2	6.126e2	0.933	0.72	0.77	4.5	YES	NO	dd	dd	0.162
3	Total-tetrafurans	24.54	8.242e2	1.145e3	0.933	0.72	0.77	7.4	YES	NO	dd	dd	0.302
4	Total-tetrafurans	24.11	3.632e2	5.260e2	0.933	0.69	0.77	3.4	YES	NO	bd	bd	0.136
5	Total-tetrafurans	23.89	4.166e3	5.636e3	0.933	0.74	0.77	35.8	YES	NO	bd	dd	1.503
6	Total-tetrafurans	23.54	5.805e2	8.678e2	0.933	0.67	0.77	7.0	YES	NO	dd	dd	0.222
7	Total-tetrafurans	23.40	7.831e2	1.153e3	0.933	0.68	0.77	7.0	YES	NO	dd	dd	0.297
8	Total-tetrafurans	23.21	3.914e3	5.685e3	0.933	0.69	0.77	35.4	YES	NO	bd	bd	1.472
9	Total-tetrafurans	26.91	8.560e2	1.053e3	0.933	0.81	0.77	6.9	YES	NO	db	bb	0.293
10	Total-tetrafurans	26.24	2.114e3	2.666e3	0.933	0.79	0.77	15.7	YES	NO	db	db	0.733
11	2378-TCDF	25.88	2.407e3	3.242e3	0.876	0.74	0.77	19.1	YES	NO	bd	bd	0.922
12	Total-tetrafurans	24.97	7.292e2	1.084e3	0.933	0.67	0.77	5.2	YES	NO	bb	bb	0.278
13	Total-tetrafurans	24.78	2.312e3	3.134e3	0.933	0.74	0.77	19.8	YES	NO	db	db	0.835

PP

	Compound	RT	Ion1Area	Ion2Area	RRF	Ratio	Pred R	S/N 1	SNFlag	EMPC	Int.1	Int.2	pg
1	Total-penta1	27.30	1.501e4	1.026e4		1.46	1.55	146.8	YES	NO	bb	bd	4.321

PF

	Compound	RT	Ion1Area	Ion2Area	RRF	Ratio	Pred R	S/N 1	SNFlag	EMPC	Int.1	Int.2	pg
1	12378-PeCDF	30.05	4.156e2	2.924e2	0.845	1.42	1.55	4.5	YES	NO	bb	MM	0.131
2	Total-pentafurans	29.68	1.323e3	9.748e2	0.866	1.36	1.55	15.2	YES	NO	db	db	0.423
3	Total-pentafurans	28.97	6.317e3	4.681e3	0.866	1.35	1.55	54.0	YES	NO	dd	dd	2.024
4	Total-pentafurans	28.89	1.790e3	1.066e3	0.866	1.68	1.55	22.7	YES	NO	bd	dd	0.526
5	Total-pentafurans	28.78	5.492e2	3.626e2	0.866	1.51	1.55	6.2	YES	NO	bb	bd	0.168
6	23478-PeCDF	31.39	5.460e2	3.663e2	0.911	1.49	1.55	6.6	YES	NO	db	bb	0.163
7	Total-pentafurans	31.24	2.279e3	1.297e3	0.866	1.76	1.55	20.5	YES	NO	dd	bb	0.658

ID: 22L0307-32, Name: 23020730, Date: 08-Feb-2023, Time: 09:07:11, Conditions: AUTOSPEC01, User: pk

HF

	Compound	RT	Ion1Area	Ion2Area	RRF	Ratio	Pred R	S/N 1	SNFlag	EMPC	Int.1	Int.2	pg
1	123478-HxCDF	35.00	5.767e2	4.304e2	1.182	1.34	1.24	13.2	YES	NO	dd	bd	0.167
2	Total-hexafurans	34.38	4.086e3	3.628e3	1.208	1.13	1.24	88.7	YES	NO	bb	bb	1.290
3	Total-hexafurans	33.56	4.704e3	3.911e3	1.208	1.20	1.24	91.5	YES	NO	db	bb	1.441

HPF

	Compound	RT	Ion1Area	Ion2Area	RRF	Ratio	Pred R	S/N 1	SNFlag	EMPC	Int.1	Int.2	pg
1	1234678-HpCDF	38.87	1.719e3	1.808e3	1.204	0.95	1.05	30.6	YES	NO	bb	bb	0.651
2	Total-heptafurans	39.53	1.408e3	1.209e3	1.185	1.16	1.05	26.4	YES	NO	bb	bb	0.513

ID: 22L0307-32, Name: 23020730, Date: 08-Feb-2023, Time: 09:07:11, Conditions: AUTOSPEC01, User: pk

Furans,TF,PP,PF,HF,HPF,OF

	Compound	RT	Ion1Area	Ion2Area	RRF	Ratio	Pred R	S/N 1	SNFlag	EMPC	Int.1	Int.2	pg
1	Total-tetrafurans	22.63	1.267e3	1.748e3	0.933	0.72	0.77	13.1	YES	NO	bd	bd	0.462
2	Total-Furans	21.66	2.314e2	3.048e2	1.067	0.76	0.77	3.7	NO	NO	dd	dd	0.072
3	Total-Furans	21.22	1.880e2	2.651e2	1.067	0.71	0.77	2.2	NO	NO	db	dd	0.061
4	Total-Furans	21.13	1.780e2	2.664e2	1.067	0.67	0.77	2.0	NO	NO	dd	bd	0.060
5	Total-tetrafurans	24.66	4.434e2	6.126e2	0.933	0.72	0.77	4.5	YES	NO	dd	dd	0.162
6	Total-tetrafurans	24.54	8.242e2	1.145e3	0.933	0.72	0.77	7.4	YES	NO	dd	dd	0.302
7	Total-tetrafurans	24.11	3.632e2	5.260e2	0.933	0.69	0.77	3.4	YES	NO	bd	bd	0.136
8	Total-tetrafurans	23.89	4.166e3	5.636e3	0.933	0.74	0.77	35.8	YES	NO	bd	dd	1.503
9	Total-tetrafurans	23.54	5.805e2	8.678e2	0.933	0.67	0.77	7.0	YES	NO	dd	dd	0.222
10	Total-tetrafurans	23.40	7.831e2	1.153e3	0.933	0.68	0.77	7.0	YES	NO	dd	dd	0.297
11	Total-tetrafurans	23.21	3.914e3	5.685e3	0.933	0.69	0.77	35.4	YES	NO	bd	bd	1.472
12	Total-tetrafurans	26.91	8.560e2	1.053e3	0.933	0.81	0.77	6.9	YES	NO	db	bb	0.293
13	Total-tetrafurans	26.24	2.114e3	2.666e3	0.933	0.79	0.77	15.7	YES	NO	db	db	0.733
14	2378-TCDF	25.88	2.407e3	3.242e3	0.876	0.74	0.77	19.1	YES	NO	bd	bd	0.922
15	Total-tetrafurans	24.97	7.292e2	1.084e3	0.933	0.67	0.77	5.2	YES	NO	bb	bb	0.278
16	Total-tetrafurans	24.78	2.312e3	3.134e3	0.933	0.74	0.77	19.8	YES	NO	db	db	0.835
17	12378-PeCDF	30.05	4.156e2	2.924e2	0.845	1.42	1.55	4.5	YES	NO	bb	MM	0.131
18	Total-pentafurans	29.68	1.323e3	9.748e2	0.866	1.36	1.55	15.2	YES	NO	db	db	0.423
19	Total-pentafurans	28.97	6.317e3	4.681e3	0.866	1.35	1.55	54.0	YES	NO	dd	dd	2.024
20	Total-pentafurans	28.89	1.790e3	1.066e3	0.866	1.68	1.55	22.7	YES	NO	bd	dd	0.526
21	Total-pentafurans	28.78	5.492e2	3.626e2	0.866	1.51	1.55	6.2	YES	NO	bb	bd	0.168
22	23478-PeCDF	31.39	5.460e2	3.663e2	0.911	1.49	1.55	6.6	YES	NO	db	bb	0.163
23	Total-pentafurans	31.24	2.279e3	1.297e3	0.866	1.76	1.55	20.5	YES	NO	dd	bb	0.658
24	123478-HxCDF	35.00	5.767e2	4.304e2	1.182	1.34	1.24	13.2	YES	NO	dd	bd	0.167
25	Total-hexafurans	34.38	4.086e3	3.628e3	1.208	1.13	1.24	88.7	YES	NO	bb	bb	1.290
26	Total-hexafurans	33.56	4.704e3	3.911e3	1.208	1.20	1.24	91.5	YES	NO	db	bb	1.441
27	1234678-HpCDF	38.87	1.719e3	1.808e3	1.204	0.95	1.05	30.6	YES	NO	bb	bb	0.651
28	Total-heptafurans	39.53	1.408e3	1.209e3	1.185	1.16	1.05	26.4	YES	NO	bb	bb	0.513
29	Total-penta1	27.30	1.501e4	1.026e4		1.46	1.55	146.8	YES	NO	bb	bd	4.321

TD

	Compound	RT	Ion1Area	Ion2Area	RRF	Ratio	Pred R	S/N 1	SNFlag	EMPC	Int.1	Int.2	pg
1	Total-tetradioxins	23.92	6.639e2	9.151e2	1.099	0.73	0.77	5.7	YES	NO	bb	bb	0.283

ID: 22L0307-32, Name: 23020730, Date: 08-Feb-2023, Time: 09:07:11, Conditions: AUTOSPEC01, User: pk

PD

	Compound	RT	Ion1Area	Ion2Area	RRF	Ratio	Pred R	S/N 1	SNFlag	EMPC	Int.1	Int.2	pg
1													

HD

	Compound	RT	Ion1Area	Ion2Area	RRF	Ratio	Pred R	S/N 1	SNFlag	EMPC	Int.1	Int.2	pg
1	123789-HxCDD	36.61	6.019e2	5.203e2	0.985	1.16	1.24	11.2	YES	NO	bb	bb	0.214
2	123678-HxCDD	36.22	5.380e2	4.119e2	1.021	1.31	1.24	8.5	YES	NO	bb	bb	0.174
3	Total-hexadioxins	34.88	1.172e3	1.019e3	1.007	1.15	1.24	22.4	YES	NO	bb	bb	0.410
4	124679-HXCDD	34.10	2.180e3	1.799e3	1.033	1.21	1.24	38.5	YES	NO	bb	bb	0.731

HPD

	Compound	RT	Ion1Area	Ion2Area	RRF	Ratio	Pred R	S/N 1	SNFlag	EMPC	Int.1	Int.2	pg
1	1234678-HpCDD	40.38	2.486e3	2.151e3	1.253	1.16	1.05	30.7	YES	NO	bb	bb	1.029
2	1234679-HPCDD	39.32	3.304e3	2.971e3	1.286	1.11	1.05	44.8	YES	NO	bb	bb	1.356

Dioxins,TD,PD,HD,HPD,OD

	Compound	RT	Ion1Area	Ion2Area	RRF	Ratio	Pred R	S/N 1	SNFlag	EMPC	Int.1	Int.2	pg
1	Total-tetradioxins	23.92	6.639e2	9.151e2	1.099	0.73	0.77	5.7	YES	NO	bb	bb	0.283
2	Total-Dioxins	21.97	1.050e2	1.582e2	1.165	0.66	0.77	1.5	NO	NO	bb	dd	0.044
3	123789-HxCDD	36.61	6.019e2	5.203e2	0.985	1.16	1.24	11.2	YES	NO	bb	bb	0.214
4	123678-HxCDD	36.22	5.380e2	4.119e2	1.021	1.31	1.24	8.5	YES	NO	bb	bb	0.174
5	Total-hexadioxins	34.88	1.172e3	1.019e3	1.007	1.15	1.24	22.4	YES	NO	bb	bb	0.410
6	124679-HXCDD	34.10	2.180e3	1.799e3	1.033	1.21	1.24	38.5	YES	NO	bb	bb	0.731
7	OCDD	45.14	1.289e4	1.493e4	1.103	0.86	0.89	195.1	YES	NO	bb	bb	7.663
8	1234678-HpCDD	40.38	2.486e3	2.151e3	1.253	1.16	1.05	30.7	YES	NO	bb	bb	1.029
9	1234679-HPCDD	39.32	3.304e3	2.971e3	1.286	1.11	1.05	44.8	YES	NO	bb	bb	1.356

ID: 22L0307-32, Name: 23020730, Date: 08-Feb-2023, Time: 09:07:11, Conditions: AUTOSPEC01, User: pk

TotalTEQ,Furans,Dioxins

	Compound	RT	Ion1Area	Ion2Area	RRF	Ratio	Pred R	S/N 1	SNFlag	EMPC	Int.1	Int.2	pg
1	Total-tetrafurans	22.63	1.267e3	1.748e3	0.933	0.72	0.77	13.1	YES	NO	bd	bd	0.462
2	Total-Furans	21.66	2.314e2	3.048e2	1.067	0.76	0.77	3.7	NO	NO	dd	dd	0.072
3	Total-Furans	21.22	1.880e2	2.651e2	1.067	0.71	0.77	2.2	NO	NO	db	dd	0.061
4	Total-Furans	21.13	1.780e2	2.664e2	1.067	0.67	0.77	2.0	NO	NO	dd	bd	0.060
5	Total-tetrafurans	24.66	4.434e2	6.126e2	0.933	0.72	0.77	4.5	YES	NO	dd	dd	0.162
6	Total-tetrafurans	24.54	8.242e2	1.145e3	0.933	0.72	0.77	7.4	YES	NO	dd	dd	0.302
7	Total-tetrafurans	24.11	3.632e2	5.260e2	0.933	0.69	0.77	3.4	YES	NO	bd	bd	0.136
8	Total-tetrafurans	23.89	4.166e3	5.636e3	0.933	0.74	0.77	35.8	YES	NO	bd	dd	1.503
9	Total-tetrafurans	23.54	5.805e2	8.678e2	0.933	0.67	0.77	7.0	YES	NO	dd	dd	0.222
10	Total-tetrafurans	23.40	7.831e2	1.153e3	0.933	0.68	0.77	7.0	YES	NO	dd	dd	0.297
11	Total-tetrafurans	23.21	3.914e3	5.685e3	0.933	0.69	0.77	35.4	YES	NO	bd	bd	1.472
12	Total-tetrafurans	26.91	8.560e2	1.053e3	0.933	0.81	0.77	6.9	YES	NO	db	bb	0.293
13	Total-tetrafurans	26.24	2.114e3	2.666e3	0.933	0.79	0.77	15.7	YES	NO	db	db	0.733
14	2378-TCDF	25.88	2.407e3	3.242e3	0.876	0.74	0.77	19.1	YES	NO	bd	bd	0.922
15	Total-tetrafurans	24.97	7.292e2	1.084e3	0.933	0.67	0.77	5.2	YES	NO	bb	bb	0.278
16	Total-tetrafurans	24.78	2.312e3	3.134e3	0.933	0.74	0.77	19.8	YES	NO	db	db	0.835
17	12378-PeCDF	30.05	4.156e2	2.924e2	0.845	1.42	1.55	4.5	YES	NO	bb	MM	0.131
18	Total-pentafurans	29.68	1.323e3	9.748e2	0.866	1.36	1.55	15.2	YES	NO	db	db	0.423
19	Total-pentafurans	28.97	6.317e3	4.681e3	0.866	1.35	1.55	54.0	YES	NO	dd	dd	2.024
20	Total-pentafurans	28.89	1.790e3	1.066e3	0.866	1.68	1.55	22.7	YES	NO	bd	dd	0.526
21	Total-pentafurans	28.78	5.492e2	3.626e2	0.866	1.51	1.55	6.2	YES	NO	bb	bd	0.168
22	23478-PeCDF	31.39	5.460e2	3.663e2	0.911	1.49	1.55	6.6	YES	NO	db	bb	0.163
23	Total-pentafurans	31.24	2.279e3	1.297e3	0.866	1.76	1.55	20.5	YES	NO	dd	bb	0.658
24	123478-HxCDF	35.00	5.767e2	4.304e2	1.182	1.34	1.24	13.2	YES	NO	dd	bd	0.167
25	Total-hexafurans	34.38	4.086e3	3.628e3	1.208	1.13	1.24	88.7	YES	NO	bb	bb	1.290
26	Total-hexafurans	33.56	4.704e3	3.911e3	1.208	1.20	1.24	91.5	YES	NO	db	bb	1.441
27	1234678-HpCDF	38.87	1.719e3	1.808e3	1.204	0.95	1.05	30.6	YES	NO	bb	bb	0.651
28	Total-heptafurans	39.53	1.408e3	1.209e3	1.185	1.16	1.05	26.4	YES	NO	bb	bb	0.513
29	Total-penta1	27.30	1.501e4	1.026e4		1.46	1.55	146.8	YES	NO	bb	bd	4.321
30	Total-tetradioxins	23.92	6.639e2	9.151e2	1.099	0.73	0.77	5.7	YES	NO	bb	bb	0.283
31	Total-Dioxins	21.97	1.050e2	1.582e2	1.165	0.66	0.77	1.5	NO	NO	bb	dd	0.044
32	123789-HxCDD	36.61	6.019e2	5.203e2	0.985	1.16	1.24	11.2	YES	NO	bb	bb	0.214
33	123678-HxCDD	36.22	5.380e2	4.119e2	1.021	1.31	1.24	8.5	YES	NO	bb	bb	0.174
34	Total-hexadioxins	34.88	1.172e3	1.019e3	1.007	1.15	1.24	22.4	YES	NO	bb	bb	0.410
35	124679-HXCDD	34.10	2.180e3	1.799e3	1.033	1.21	1.24	38.5	YES	NO	bb	bb	0.731
36	OCDD	45.14	1.289e4	1.493e4	1.103	0.86	0.89	195.1	YES	NO	bb	bb	7.663
37	1234678-HpCDD	40.38	2.486e3	2.151e3	1.253	1.16	1.05	30.7	YES	NO	bb	bb	1.029

ID: 22L0307-32, Name: 23020730, Date: 08-Feb-2023, Time: 09:07:11, Conditions: AUTOSPEC01, User: pk

TotalTEQ,Furans,Dioxins

	Compound	RT	Ion1Area	Ion2Area	RRF	Ratio	Pred R	S/N 1	SNFlag	EMPC	Int.1	Int.2	pg
38	1234679-HPCDD	39.32	3.304e3	2.971e3	1.286	1.11	1.05	44.8	YES	NO	bb	bb	1.356

PFK1

	Compound	RT	Ion1Area	Ion2Area	RRF	Ratio	Pred R	S/N 1	SNFlag	EMPC	Int.1	Int.2	pg
1	FUNCTION1 PFK	21.21	2.874e4					1.4	NO		bb		
2	FUNCTION1 PFK	24.45	3.033e4					1.2	NO		bb		
3	FUNCTION1 PFK	24.32	2.139e4					0.8	NO		bb		
4	FUNCTION1 PFK	24.08	1.109e4					0.6	NO		bb		
5	FUNCTION1 PFK	23.83	6.527e4					0.8	NO		bb		
6	FUNCTION1 PFK	23.69	6.141e4					1.2	NO		bb		
7	FUNCTION1 PFK	23.45	1.538e4					0.8	NO		bb		
8	FUNCTION1 PFK	22.96	3.444e4					1.2	NO		bb		
9	FUNCTION1 PFK	22.65	1.198e5					3.1	YES		db		
10	FUNCTION1 PFK	22.59	7.128e5					4.9	YES		dd		
11	FUNCTION1 PFK	22.37	1.702e6					11.1	YES		dd		
12	FUNCTION1 PFK	22.24	7.091e5					14.3	YES		bd		
13	FUNCTION1 PFK	22.01	2.593e6					13.3	YES		db		
14	FUNCTION1 PFK	21.86	1.735e6					12.3	YES		dd		
15	FUNCTION1 PFK	21.68	1.070e6					9.9	YES		dd		
16	FUNCTION1 PFK	21.53	5.564e5					8.5	YES		bd		
17	FUNCTION1 PFK	21.35	3.514e5					5.1	YES		bb		
18	FUNCTION1 PFK	28.01	5.574e5					4.0	YES		bb		
19	FUNCTION1 PFK	27.54	2.759e4					1.1	NO		bb		
20	FUNCTION1 PFK	26.79	3.553e4					1.3	NO		bb		
21	FUNCTION1 PFK	26.53	8.664e4					1.3	NO		db		
22	FUNCTION1 PFK	26.41	2.816e4					1.0	NO		dd		
23	FUNCTION1 PFK	26.34	6.599e4					1.5	NO		bd		
24	FUNCTION1 PFK	25.81	3.912e4					1.3	NO		db		
25	FUNCTION1 PFK	25.75	2.144e4					1.0	NO		bd		
26	FUNCTION1 PFK	25.64	4.677e4					1.3	NO		bb		
27	FUNCTION1 PFK	25.47	2.605e4					1.0	NO		bb		
28	FUNCTION1 PFK	25.14	6.692e3					0.5	NO		bb		

ID: 22L0307-32, Name: 23020730, Date: 08-Feb-2023, Time: 09:07:11, Conditions: AUTOSPEC01, User: pk

PFK2

	Compound	RT	Ion1Area	Ion2Area	RRF	Ratio	Pred R	S/N 1	SNFlag	EMPC	Int.1	Int.2	pg
1	FUNCTION2 PFK	28.96	1.764e4					0.8	NO		bb		0.000
2	FUNCTION2 PFK	28.43	3.556e3					0.7	NO		bb		0.000
3	FUNCTION2 PFK	28.35	4.509e3					0.9	NO		bb		0.000
4	FUNCTION2 PFK	28.29	3.010e4					1.7	NO		bb		0.000
5	FUNCTION2 PFK	30.78	5.191e3					0.8	NO		db		0.000
6	FUNCTION2 PFK	30.75	1.090e4					0.9	NO		dd		0.000
7	FUNCTION2 PFK	30.72	4.506e3					0.7	NO		bd		0.000
8	FUNCTION2 PFK	30.68	1.044e4					1.0	NO		db		0.000
9	FUNCTION2 PFK	30.58	2.661e4					0.9	NO		bd		0.000
10	FUNCTION2 PFK	30.35	2.996e4					1.6	NO		bb		0.000
11	FUNCTION2 PFK	30.26	1.759e4					1.4	NO		bb		0.000
12	FUNCTION2 PFK	29.99	1.063e4					1.0	NO		bb		0.000
13	FUNCTION2 PFK	29.91	1.690e4					1.1	NO		bb		0.000
14	FUNCTION2 PFK	29.65	1.202e4					1.1	NO		db		0.000
15	FUNCTION2 PFK	29.61	1.473e4					1.0	NO		bd		0.000
16	FUNCTION2 PFK	29.39	3.711e3					0.5	NO		bb		0.000
17	FUNCTION2 PFK	29.16	1.762e4					1.4	NO		db		0.000
18	FUNCTION2 PFK	29.09	1.799e4					0.9	NO		bd		0.000
19	FUNCTION2 PFK	29.05	1.284e4					1.2	NO		db		0.000
20	FUNCTION2 PFK	29.00	7.019e3					0.9	NO		bd		0.000
21	FUNCTION2 PFK	32.67	8.098e3					0.9	NO		bb		0.000
22	FUNCTION2 PFK	32.12	2.011e3					0.4	NO		bb		0.000
23	FUNCTION2 PFK	31.02	1.226e4					1.1	NO		db		0.000
24	FUNCTION2 PFK	30.96	1.830e4					1.4	NO		bd		0.000

ID: 22L0307-32, Name: 23020730, Date: 08-Feb-2023, Time: 09:07:11, Conditions: AUTOSPEC01, User: pk

PFK3

	Compound	RT	Ion1Area	Ion2Area	RRF	Ratio	Pred R	S/N 1	SNFlag	EMPC	Int.1	Int.2	pg
1	FUNCTION3 PFK	35.11	2.702e3					0.5	NO		bb		0.000
2	FUNCTION3 PFK	34.52	5.612e3					0.7	NO		bb		0.000
3	FUNCTION3 PFK	34.30	2.585e4					1.2	NO		bb		0.000
4	FUNCTION3 PFK	34.10	1.141e4					1.2	NO		db		0.000
5	FUNCTION3 PFK	33.81	1.825e6					11.9	YES		dd		0.000
6	FUNCTION3 PFK	33.50	7.007e5					22.9	YES		dd		0.000
7	FUNCTION3 PFK	33.30	1.554e6					30.7	YES		dd		0.000
8	FUNCTION3 PFK	33.26	4.561e5					32.7	YES		dd		0.000
9	FUNCTION3 PFK	33.19	1.424e6					35.1	YES		dd		0.000
10	FUNCTION3 PFK	33.05	1.290e6					37.7	YES		dd		0.000
11	FUNCTION3 PFK	32.96	8.746e5					42.0	YES		bd		0.000
12	FUNCTION3 PFK	37.32	3.653e4					2.3	NO		bd		0.000
13	FUNCTION3 PFK	37.07	4.472e4					2.3	NO		db		0.000
14	FUNCTION3 PFK	37.01	4.139e4					3.1	YES		bd		0.000
15	FUNCTION3 PFK	36.88	8.540e4					3.9	YES		db		0.000
16	FUNCTION3 PFK	36.79	1.931e4					1.4	NO		bd		0.000
17	FUNCTION3 PFK	36.56	8.408e3					0.9	NO		bb		0.000
18	FUNCTION3 PFK	36.42	7.022e3					0.9	NO		bb		0.000
19	FUNCTION3 PFK	35.92	5.723e4					2.3	NO		db		0.000
20	FUNCTION3 PFK	35.84	6.468e4					3.1	YES		bd		0.000
21	FUNCTION3 PFK	35.67	1.161e5					3.6	YES		db		0.000
22	FUNCTION3 PFK	35.60	3.801e4					2.6	NO		dd		0.000
23	FUNCTION3 PFK	35.55	2.704e4					2.2	NO		dd		0.000
24	FUNCTION3 PFK	35.46	3.422e4					2.1	NO		dd		0.000
25	FUNCTION3 PFK	35.39	1.390e4					1.2	NO		bd		0.000
26	FUNCTION3 PFK	35.30	1.609e3					0.5	NO		bb		0.000
27	FUNCTION3 PFK	35.15	8.549e3					1.1	NO		bb		0.000
28	FUNCTION3 PFK	37.67	4.562e4					2.1	NO		bb		0.000
29	FUNCTION3 PFK	37.57	4.167e3					0.6	NO		bb		0.000
30	FUNCTION3 PFK	37.41	2.298e4					2.6	NO		db		0.000
31	FUNCTION3 PFK	37.37	2.262e4					2.0	NO		dd		0.000

ID: 22L0307-32, Name: 23020730, Date: 08-Feb-2023, Time: 09:07:11, Conditions: AUTOSPEC01, User: pk

PFK4

	Compound	RT	Ion1Area	Ion2Area	RRF	Ratio	Pred R	S/N 1	SNFlag	EMPC	Int.1	Int.2	pg
1	FUNCTION4 PFK	39.36	1.317e4					1.8	NO		bb		
2	FUNCTION4 PFK	39.22	2.604e3					0.7	NO		bb		
3	FUNCTION4 PFK	39.07	1.334e3					0.0	NO		bb		
4	FUNCTION4 PFK	39.04	7.172e3					1.6	NO		bb		
5	FUNCTION4 PFK	38.81	6.371e3					1.1	NO		bb		
6	FUNCTION4 PFK	38.48	3.318e4					1.8	NO		db		
7	FUNCTION4 PFK	38.28	1.035e5					5.6	YES		dd		
8	FUNCTION4 PFK	38.23	4.011e4					5.3	YES		dd		
9	FUNCTION4 PFK	38.15	1.189e5					7.9	YES		dd		
10	FUNCTION4 PFK	38.10	3.532e4					6.1	YES		dd		
11	FUNCTION4 PFK	38.05	4.116e4					7.6	YES		bd		
12	FUNCTION4 PFK	42.11	7.163e2					0.3	NO		bb		
13	FUNCTION4 PFK	41.86	2.622e4					1.6	NO		db		
14	FUNCTION4 PFK	41.72	2.260e4					2.4	NO		bd		
15	FUNCTION4 PFK	41.48	3.549e3					0.8	NO		db		
16	FUNCTION4 PFK	41.38	2.678e4					1.6	NO		bd		
17	FUNCTION4 PFK	41.20	5.817e3					1.2	NO		bb		
18	FUNCTION4 PFK	41.07	1.752e4					1.9	NO		db		
19	FUNCTION4 PFK	41.04	1.822e4					2.5	NO		dd		
20	FUNCTION4 PFK	41.01	1.600e4					2.2	NO		bd		
21	FUNCTION4 PFK	40.22	6.307e3					1.0	NO		db		
22	FUNCTION4 PFK	40.15	1.779e4					2.5	NO		dd		
23	FUNCTION4 PFK	40.06	1.223e4					1.5	NO		bd		
24	FUNCTION4 PFK	40.01	5.022e3					1.1	NO		bb		
25	FUNCTION4 PFK	39.86	4.119e3					0.9	NO		bb		
26	FUNCTION4 PFK	39.61	3.345e4					2.6	NO		bb		
27	FUNCTION4 PFK	39.51	5.443e3					1.1	NO		bb		
28	FUNCTION4 PFK	42.71	3.984e3					0.9	NO		bb		
29	FUNCTION4 PFK	42.54	2.219e4					1.8	NO		bb		
30	FUNCTION4 PFK	42.34	1.149e4					1.7	NO		db		
31	FUNCTION4 PFK	42.27	1.789e4					2.3	NO		dd		
32	FUNCTION4 PFK	42.23	1.717e4					2.3	NO		dd		
33	FUNCTION4 PFK	42.18	2.023e4					2.7	NO		bd		

ID: 22L0307-32, Name: 23020730, Date: 08-Feb-2023, Time: 09:07:11, Conditions: AUTOSPEC01, User: pk

PFK5

	Compound	RT	Ion1Area	Ion2Area	RRF	Ratio	Pred R	S/N 1	SNFlag	EMPC	Int.1	Int.2	pg
1	FUNCTION5 PFK	46.39	2.251e3					1.2	NO		bb		
2	FUNCTION5 PFK	45.38	6.932e3					2.3	NO		bb		
3	FUNCTION5 PFK	43.41	6.160e3					1.6	NO		db		
4	FUNCTION5 PFK	43.34	3.587e3					1.5	NO		bd		

ID: 22L0307-32, Name: 23020730, Date: 08-Feb-2023, Time: 09:07:11, Conditions: AUTOSPEC01, User: pk

ETHERS1

	Compound	RT	Ion1Area	Ion2Area	RRF	Ratio	Pred R	S/N 1	SNFlag	EMPC	Int.1	Int.2	pg
1	FUNCTION1 HXCD...	21.66	2.505e2					3.0	NO		dd		0.000
2	FUNCTION1 HXCD...	21.57	4.793e2					4.2	YES		bd		0.000
3	FUNCTION1 HXCD...	21.22	1.674e2					2.8	NO		bb		0.000
4	FUNCTION1 HXCD...	21.13	1.389e2					3.3	YES		bb		0.000
5	FUNCTION1 HXCD...	24.66	2.343e2					2.1	NO		dd		0.000
6	FUNCTION1 HXCD...	24.60	3.746e2					4.0	YES		bd		0.000
7	FUNCTION1 HXCD...	24.26	2.414e2					3.2	YES		db		0.000
8	FUNCTION1 HXCD...	24.17	2.255e2					3.3	YES		dd		0.000
9	FUNCTION1 HXCD...	24.08	1.182e2					1.5	NO		bd		0.000
10	FUNCTION1 HXCD...	23.87	2.138e3					24.3	YES		bb		0.000
11	FUNCTION1 HXCD...	23.58	1.180e2					2.0	NO		bb		0.000
12	FUNCTION1 HXCD...	23.48	9.217e1					2.0	NO		bb		0.000
13	FUNCTION1 HXCD...	23.01	7.128e1					1.3	NO		bb		0.000
14	FUNCTION1 HXCD...	22.86	2.026e2					3.2	YES		db		0.000
15	FUNCTION1 HXCD...	22.75	6.850e2					6.4	YES		bd		0.000
16	FUNCTION1 HXCD...	22.62	3.006e2					7.3	YES		bb		0.000
17	FUNCTION1 HXCD...	22.16	8.751e1					1.6	NO		bb		0.000
18	FUNCTION1 HXCD...	21.86	9.585e1					1.5	NO		bb		0.000
19	FUNCTION1 HXCD...	21.75	1.065e2					1.9	NO		db		0.000
20	FUNCTION1 HXCD...	21.71	1.313e2					2.7	NO		dd		0.000
21	FUNCTION1 HXCD...	27.76	3.915e2					4.3	YES		bb		0.000
22	FUNCTION1 HXCD...	27.51	1.295e2					2.1	NO		db		0.000
23	FUNCTION1 HXCD...	27.45	1.200e2					2.0	NO		bd		0.000
24	FUNCTION1 HXCD...	26.89	9.200e2					10.1	YES		bb		0.000
25	FUNCTION1 HXCD...	26.64	1.229e2					1.6	NO		bb		0.000
26	FUNCTION1 HXCD...	26.24	2.620e3					30.7	YES		bb		0.000
27	FUNCTION1 HXCD...	25.97	2.167e2					2.7	NO		db		0.000
28	FUNCTION1 HXCD...	25.87	1.980e3					25.3	YES		bd		0.000
29	FUNCTION1 HXCD...	25.70	1.194e2					2.3	NO		db		0.000
30	FUNCTION1 HXCD...	25.62	4.000e2					4.0	YES		bd		0.000
31	FUNCTION1 HXCD...	25.22	7.302e2					9.0	YES		bb		0.000
32	FUNCTION1 HXCD...	24.76	1.309e2					1.9	NO		db		0.000

ID: 22L0307-32, Name: 23020730, Date: 08-Feb-2023, Time: 09:07:11, Conditions: AUTOSPEC01, User: pk

ETHERS2

	Compound	RT	Ion1Area	Ion2Area	RRF	Ratio	Pred R	S/N 1	SNFlag	EMPC	Int.1	Int.2	pg
1	FUNCTION1 HPCD...	21.32	1.419e2					1.8	NO		bd		0.000
2	FUNCTION1 HPCD...	21.22	1.459e2					1.2	NO		db		0.000
3	FUNCTION1 HPCD...	21.13	1.261e2					1.5	NO		bd		0.000
4	FUNCTION1 HPCD...	23.58	2.358e2					2.2	NO		dd		0.000
5	FUNCTION1 HPCD...	23.48	1.326e2					1.2	NO		bd		0.000
6	FUNCTION1 HPCD...	23.16	2.286e2					2.1	NO		db		0.000
7	FUNCTION1 HPCD...	23.01	7.053e1					0.9	NO		dd		0.000
8	FUNCTION1 HPCD...	22.93	1.161e2					1.6	NO		bd		0.000
9	FUNCTION1 HPCD...	22.75	5.492e2					4.2	YES		db		0.000
10	FUNCTION1 HPCD...	22.62	5.345e2					6.0	YES		dd		0.000
11	FUNCTION1 HPCD...	22.45	1.765e2					1.3	NO		dd		0.000
12	FUNCTION1 HPCD...	22.37	1.049e2					1.0	NO		bd		0.000
13	FUNCTION1 HPCD...	22.16	1.276e2					1.4	NO		bb		0.000
14	FUNCTION1 HPCD...	21.86	1.010e2					1.4	NO		bb		0.000
15	FUNCTION1 HPCD...	21.75	7.939e1					1.4	NO		db		0.000
16	FUNCTION1 HPCD...	21.71	1.830e2					2.1	NO		dd		0.000
17	FUNCTION1 HPCD...	21.65	1.978e2					2.5	NO		dd		0.000
18	FUNCTION1 HPCD...	21.57	3.323e2					3.2	YES		bd		0.000
19	FUNCTION1 HPCD...	21.38	2.029e2					2.2	NO		db		0.000
20	FUNCTION1 HPCD...	27.45	1.259e2					1.5	NO		bd		0.000
21	FUNCTION1 HPCD...	25.97	1.571e2					1.4	NO		db		0.000
22	FUNCTION1 HPCD...	25.91	1.049e2					1.4	NO		dd		0.000
23	FUNCTION1 HPCD...	25.87	1.362e2					1.6	NO		bd		0.000
24	FUNCTION1 HPCD...	25.75	7.184e1					1.1	NO		db		0.000
25	FUNCTION1 HPCD...	25.69	1.573e2					1.7	NO		dd		0.000
26	FUNCTION1 HPCD...	25.61	4.600e2					3.6	YES		dd		0.000
27	FUNCTION1 HPCD...	25.53	7.648e1					0.9	NO		bd		0.000
28	FUNCTION1 HPCD...	24.97	8.328e1					0.8	NO		bb		0.000
29	FUNCTION1 HPCD...	24.60	1.347e2					2.0	NO		db		0.000
30	FUNCTION1 HPCD...	24.55	8.143e1					1.4	NO		bd		0.000
31	FUNCTION1 HPCD...	24.35	7.987e1					0.9	NO		db		0.000
32	FUNCTION1 HPCD...	24.26	2.573e2					2.4	NO		dd		0.000
33	FUNCTION1 HPCD...	24.17	1.787e2					1.8	NO		bd		0.000
34	FUNCTION1 HPCD...	23.87	3.246e2					1.8	NO		bb		0.000
35	FUNCTION1 HPCD...	23.66	1.101e2					1.2	NO		db		0.000
36	FUNCTION1 HPCD...	28.01	2.056e2					1.5	NO		bb		0.000
37	FUNCTION1 HPCD...	27.51	1.201e2					1.3	NO		db		0.000

ID: 22L0307-32, Name: 23020730, Date: 08-Feb-2023, Time: 09:07:11, Conditions: AUTOSPEC01, User: pk

ETHERS3

	Compound	RT	Ion1Area	Ion2Area	RRF	Ratio	Pred R	S/N 1	SNFlag	EMPC	Int.1	Int.2	pg
1	FUNCTION2 HPCD...	32.31	8.266e2					12.0	YES		bb		0.000
2	FUNCTION2 HPCD...	29.55	1.949e3					27.8	YES		bb		0.000
3	FUNCTION2 HPCD...	29.03	2.080e3					29.2	YES		db		0.000
4	FUNCTION2 HPCD...	29.00	1.720e3					22.1	YES		bd		0.000

ETHERS4

	Compound	RT	Ion1Area	Ion2Area	RRF	Ratio	Pred R	S/N 1	SNFlag	EMPC	Int.1	Int.2	pg
1	FUNCTION3 OCDPE	37.76	7.567e1					2.1	NO		bb		0.000
2	FUNCTION3 OCDPE	36.63	1.688e2					2.3	NO		bb		0.000
3	FUNCTION3 OCDPE	34.97	8.645e1					2.4	NO		bb		0.000

ETHERS5

	Compound	RT	Ion1Area	Ion2Area	RRF	Ratio	Pred R	S/N 1	SNFlag	EMPC	Int.1	Int.2	pg
1	FUNCTION4 NCDPE	41.72	8.770e1					3.1	YES		bb		0.000
2	FUNCTION4 NCDPE	41.29	1.341e2					6.1	YES		bb		0.000
3	FUNCTION4 NCDPE	38.49	3.443e3					73.3	YES		bb		0.000

ETHERS6

	Compound	RT	Ion1Area	Ion2Area	RRF	Ratio	Pred R	S/N 1	SNFlag	EMPC	Int.1	Int.2	pg
1	FUNCTION5 DCDPE	45.96	7.909e1					1.6	NO		bb		0.000
2	FUNCTION5 DCDPE	45.13	1.139e2					1.9	NO		bb		0.000
3	FUNCTION5 DCDPE	44.35	7.806e1					1.2	NO		bb		0.000
4	FUNCTION5 DCDPE	43.98	9.082e1					2.1	NO		bb		0.000
5	FUNCTION5 DCDPE	43.64	7.456e1					3.0	NO		bb		0.000
6	FUNCTION5 DCDPE	43.29	7.462e1					1.9	NO		bb		0.000

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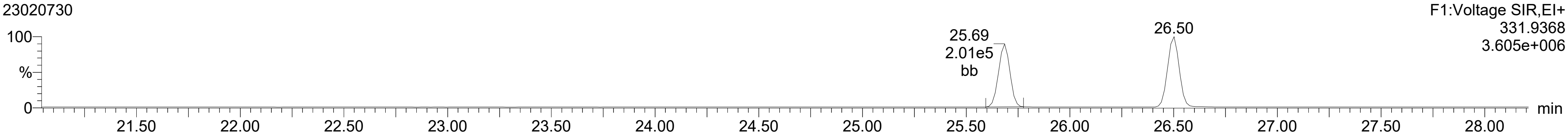
13C-1234-TCDD



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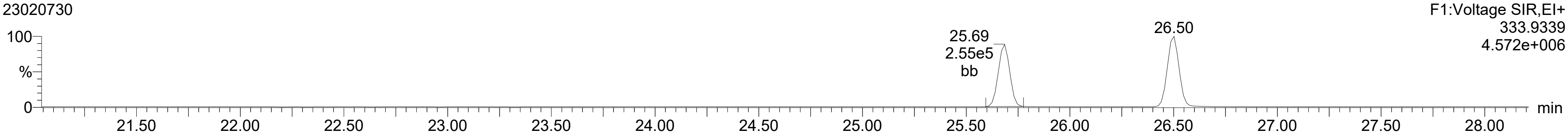

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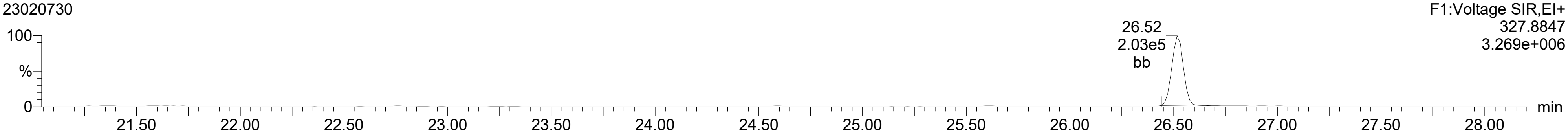

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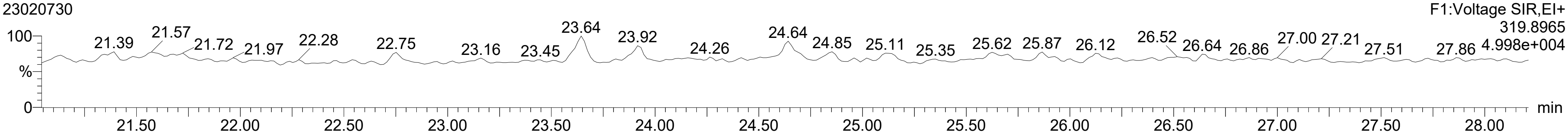

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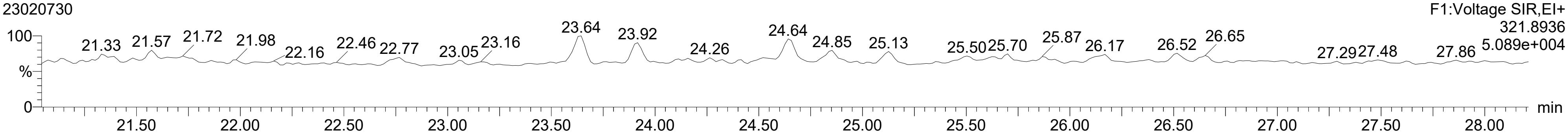

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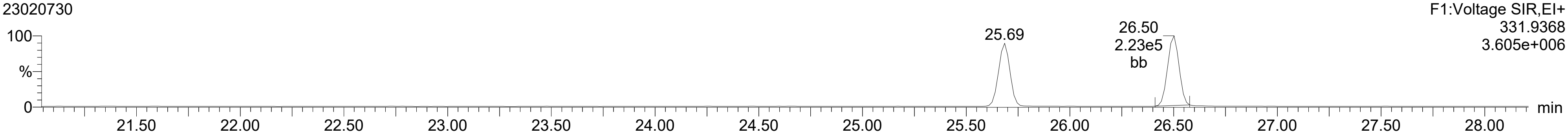

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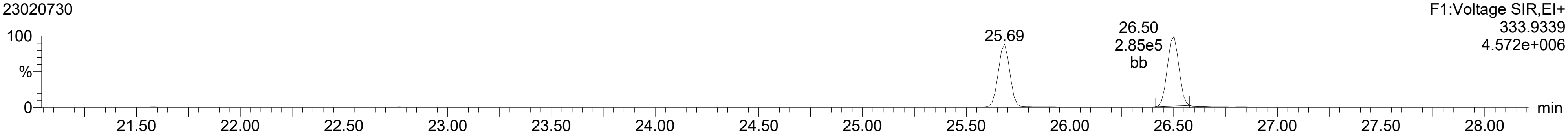

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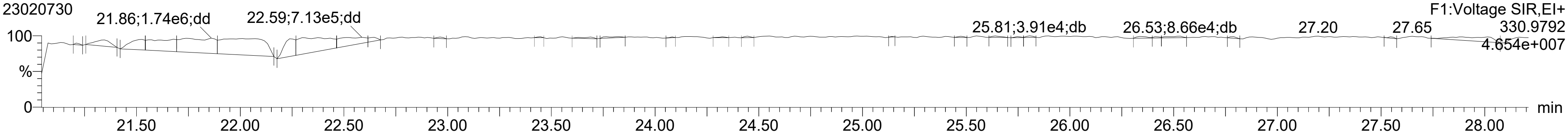

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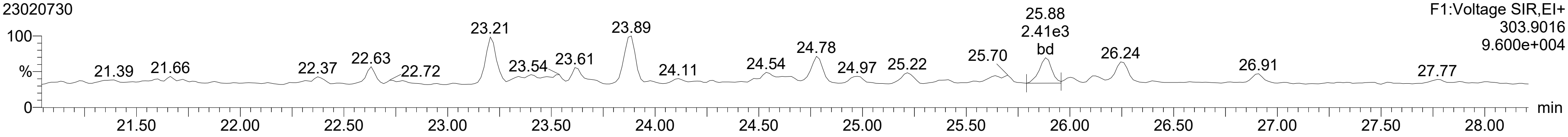

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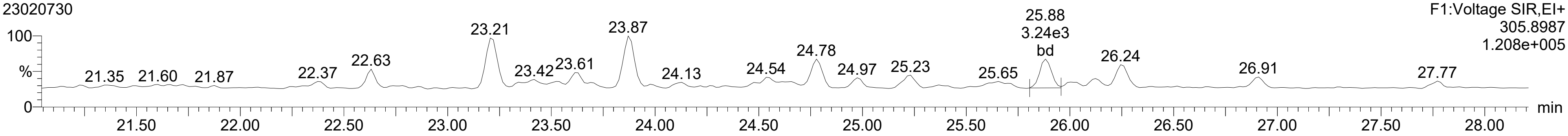

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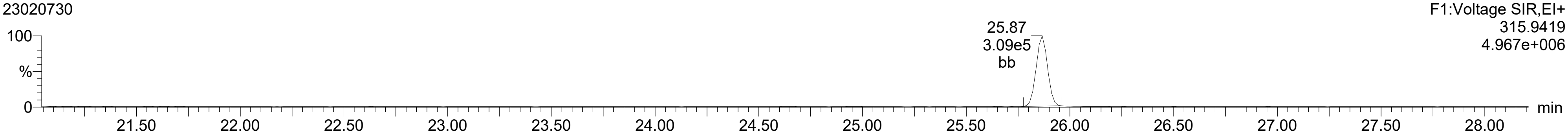

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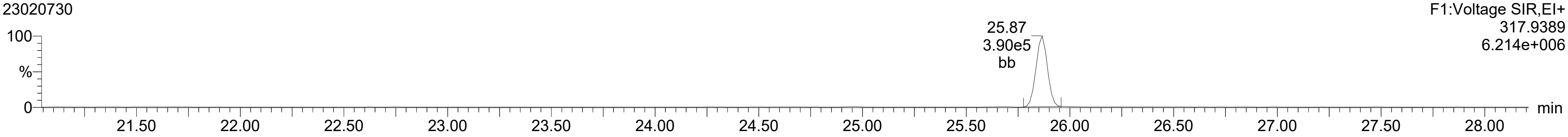

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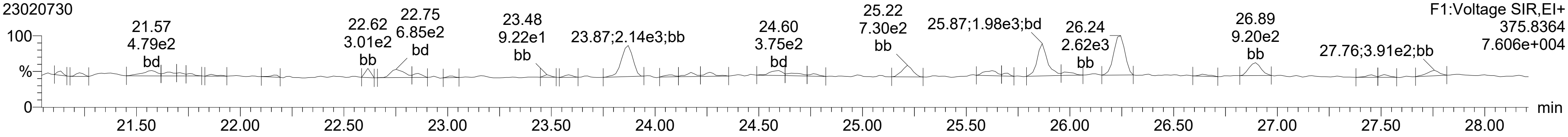

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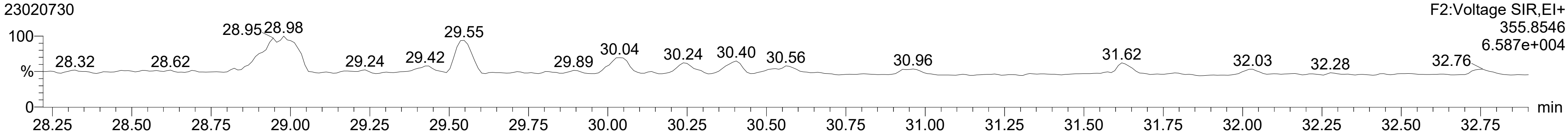
12378-PeCDD



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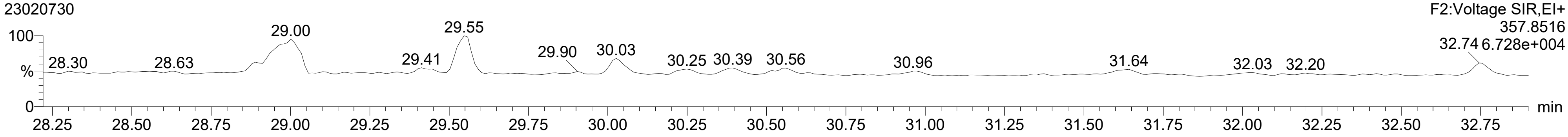

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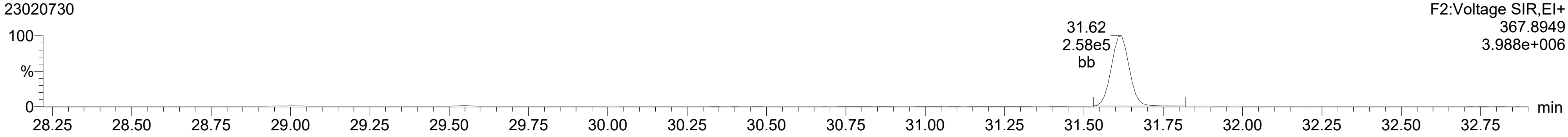

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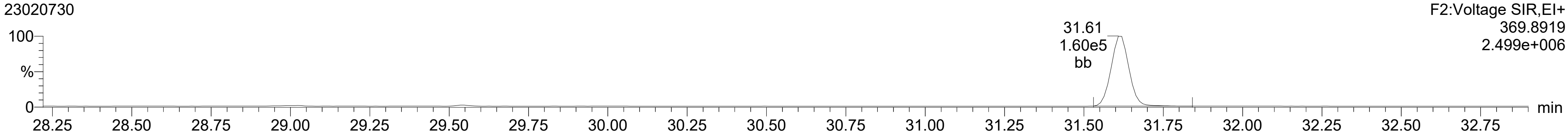
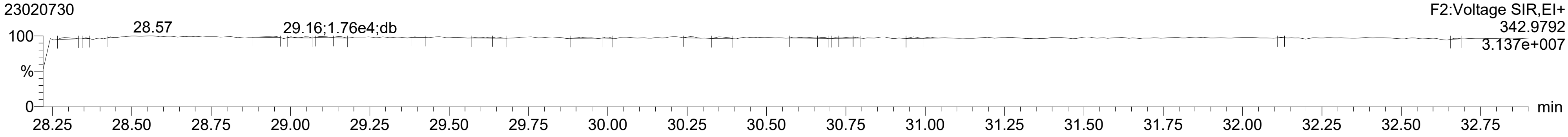


FUNCTION2 PFK



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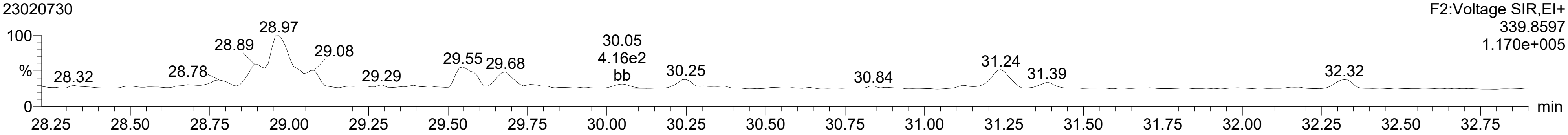

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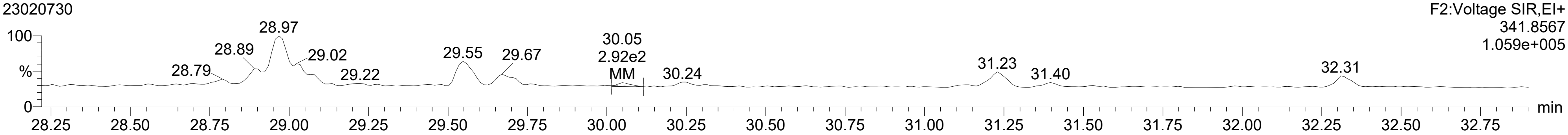

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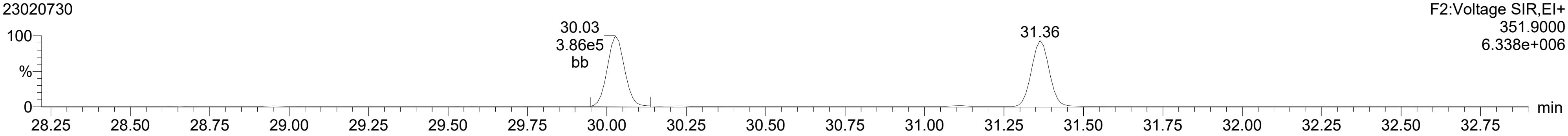

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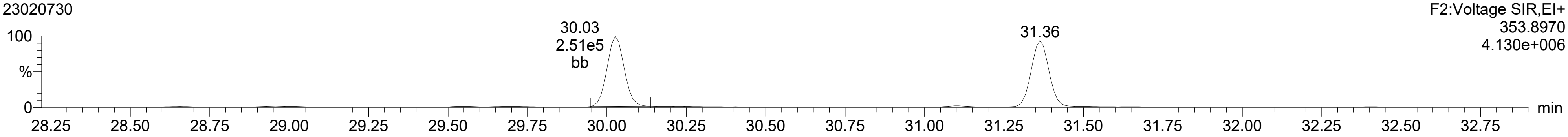
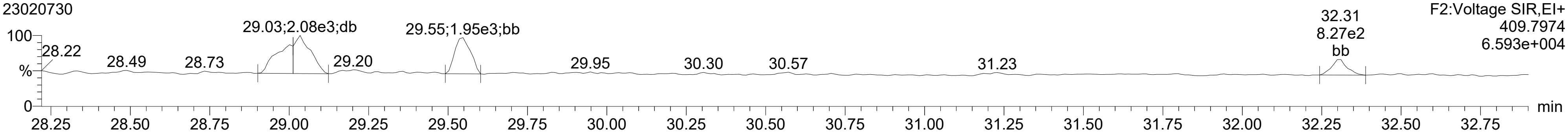


FUNCTION2 HPCDPE



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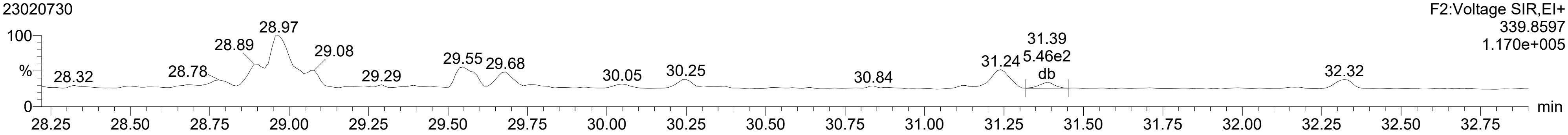

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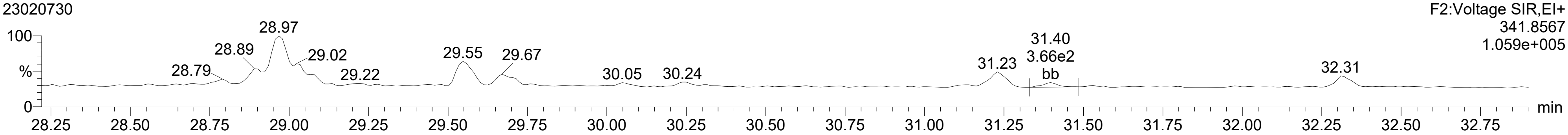

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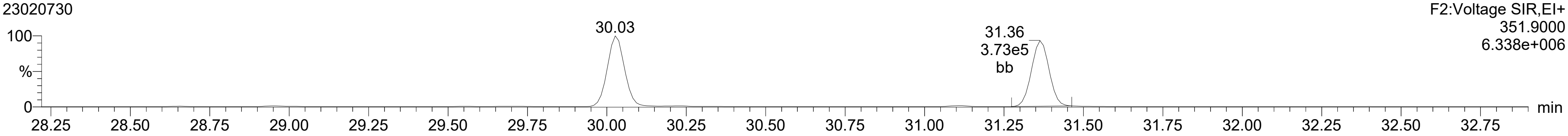

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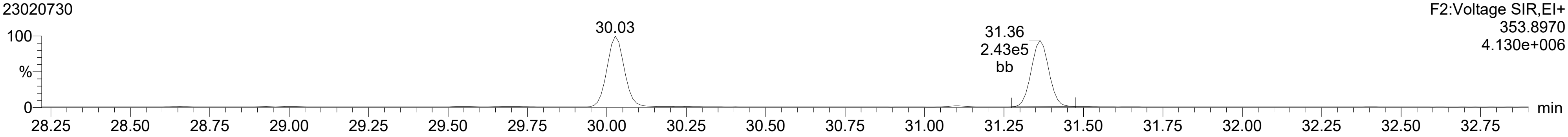

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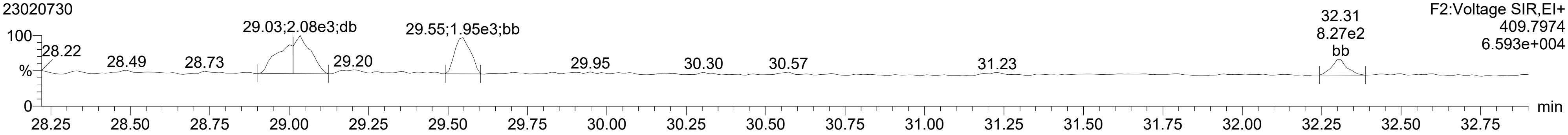

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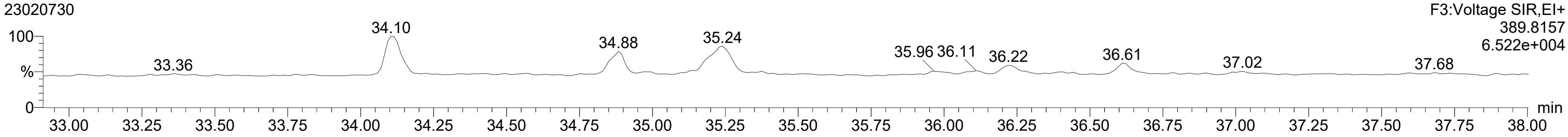
123478-HxCDD



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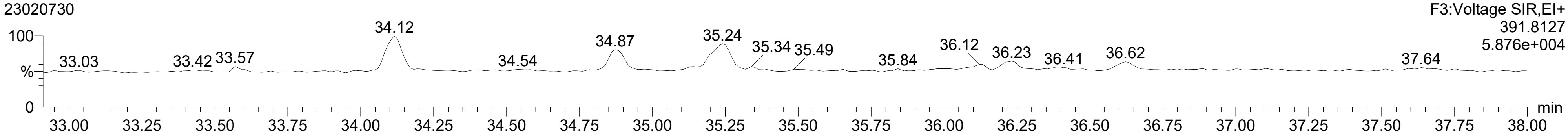

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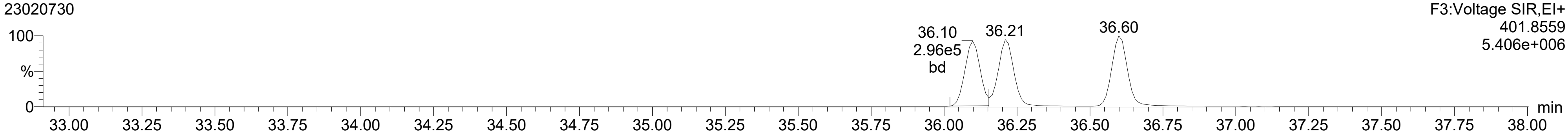

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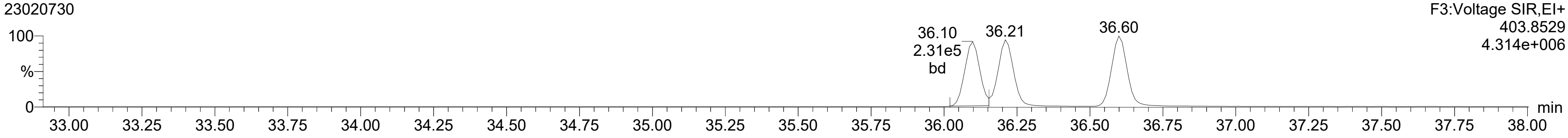

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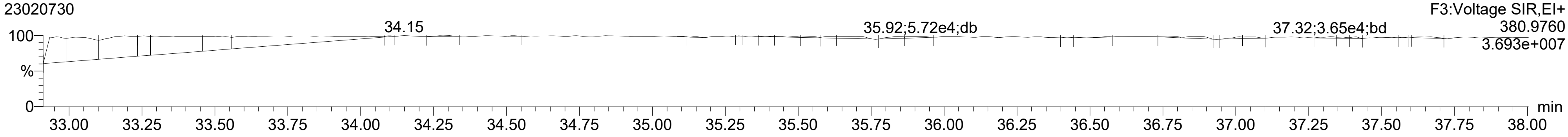

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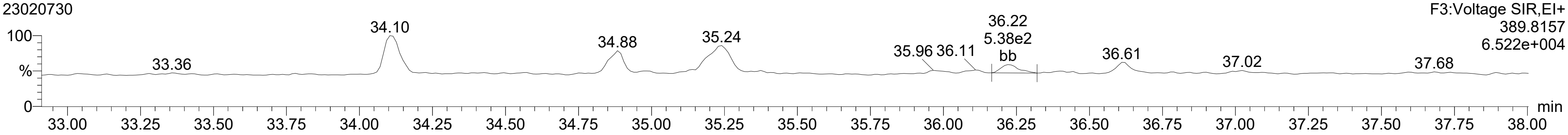
123678-HxCDD



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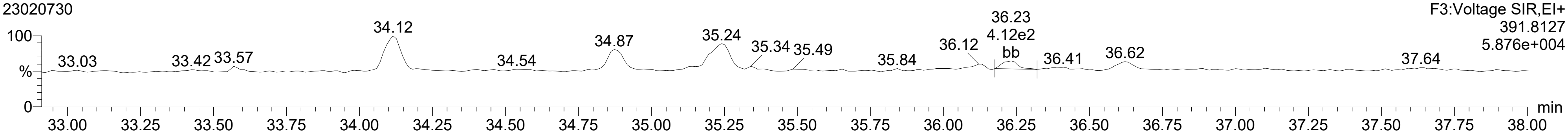

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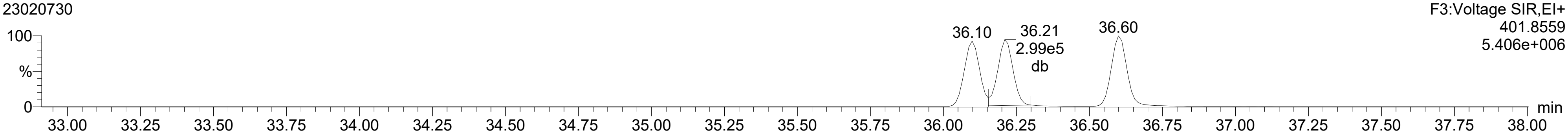

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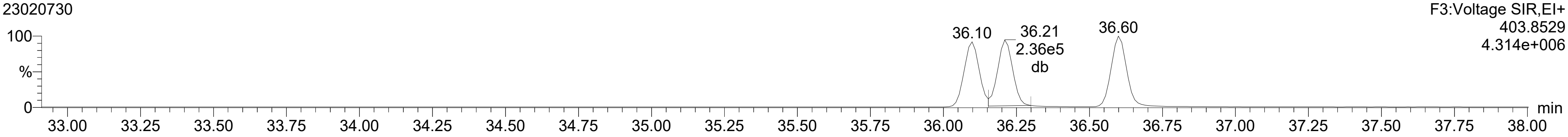

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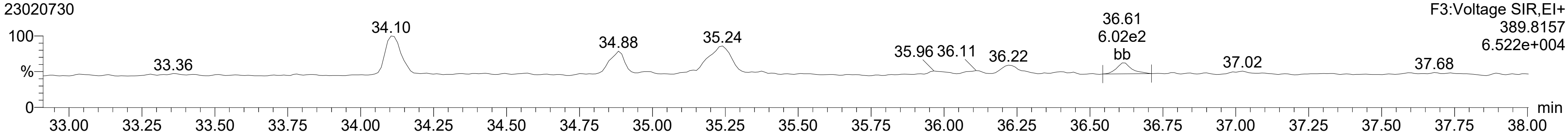

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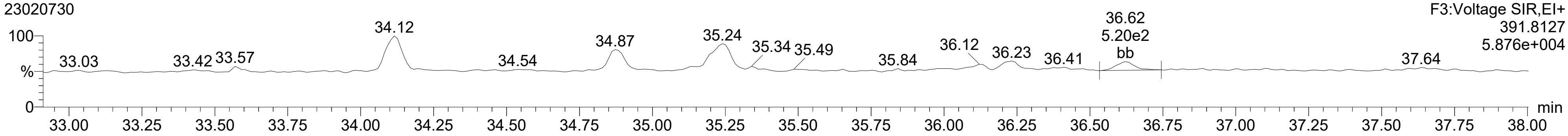

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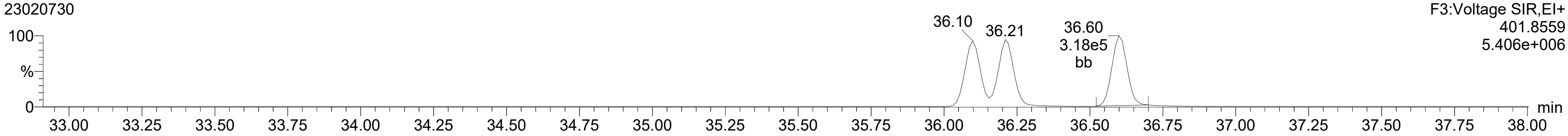

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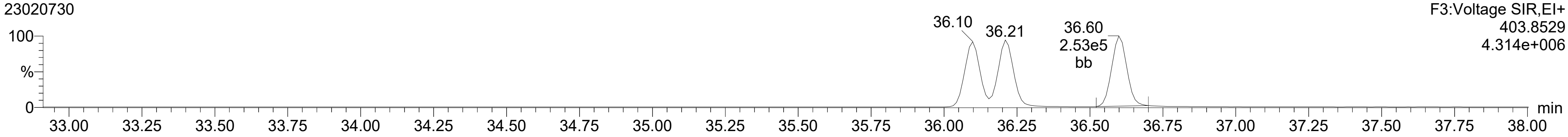

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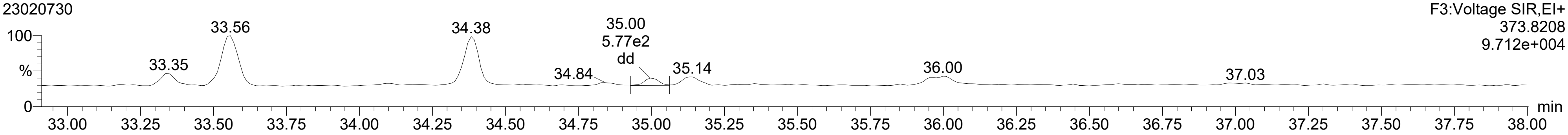

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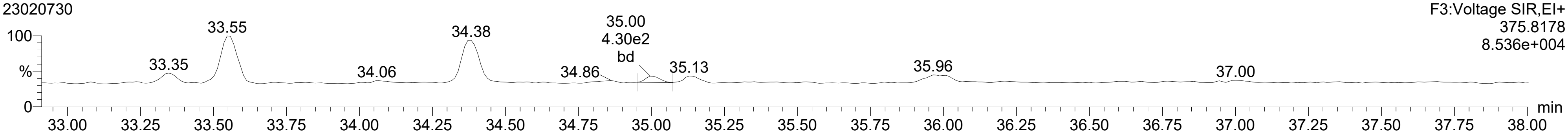

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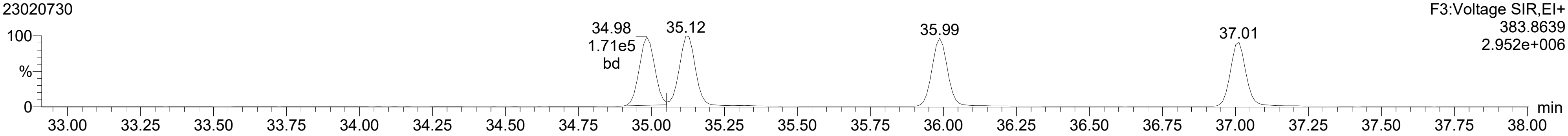

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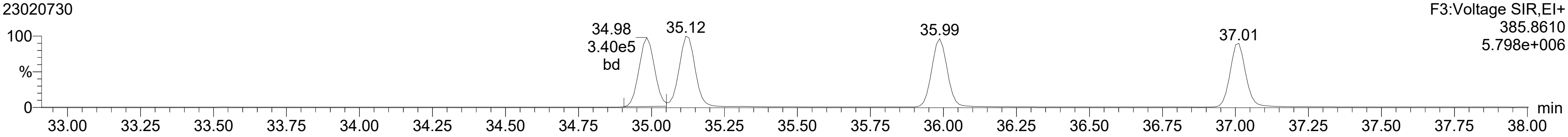

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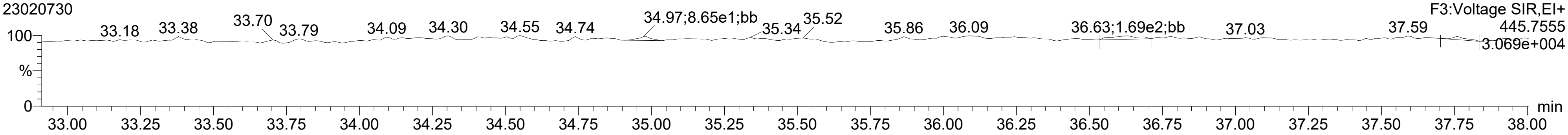

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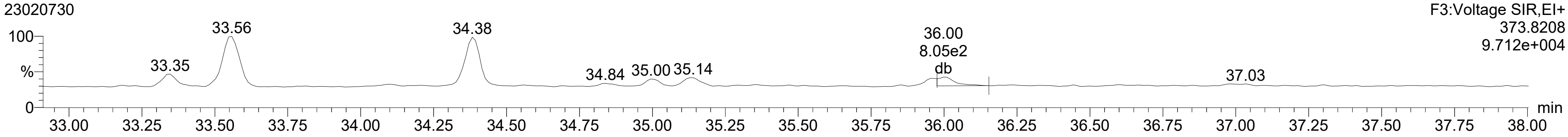

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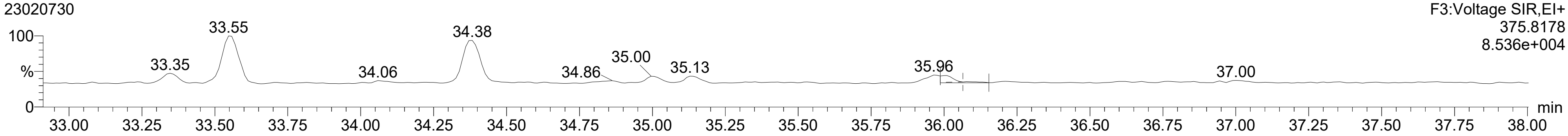

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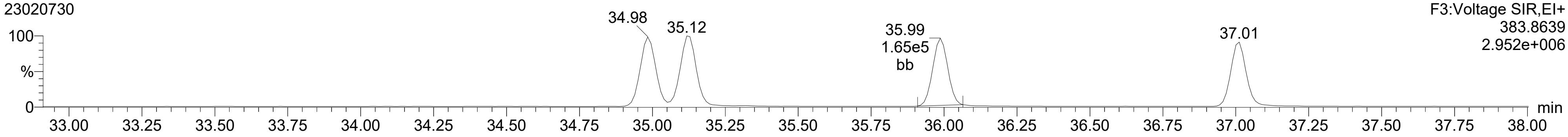

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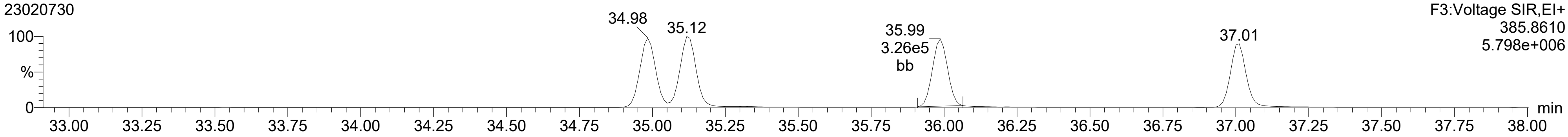

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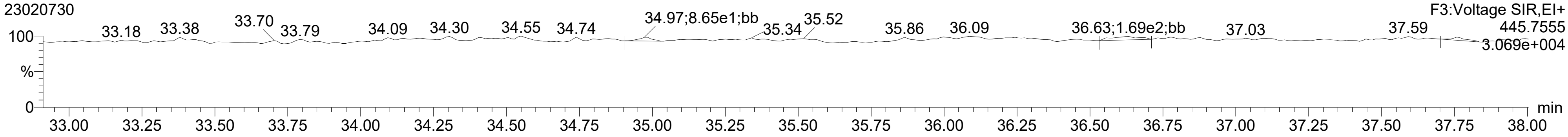

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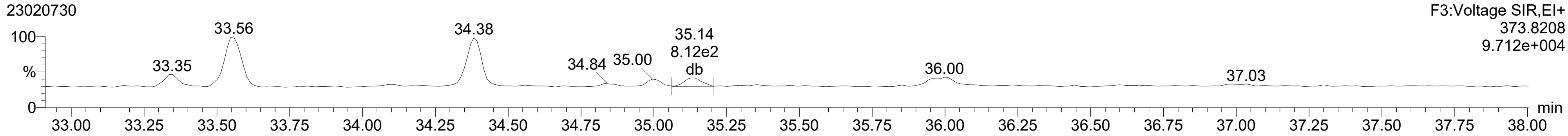

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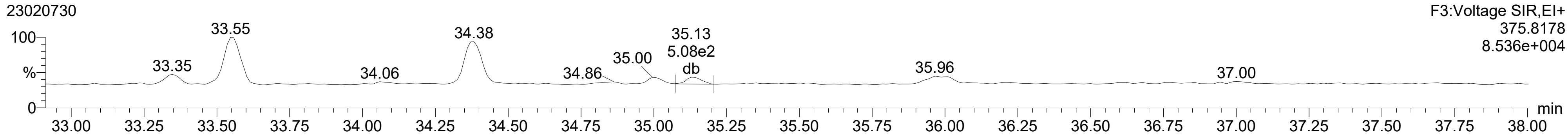

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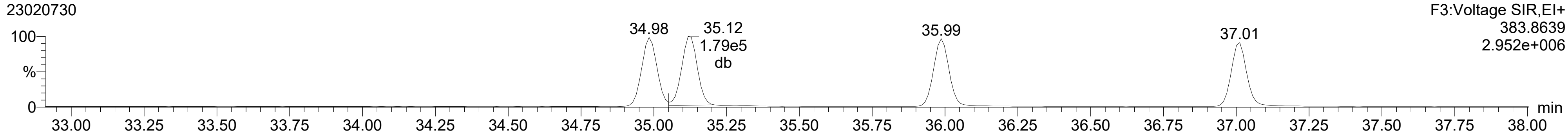

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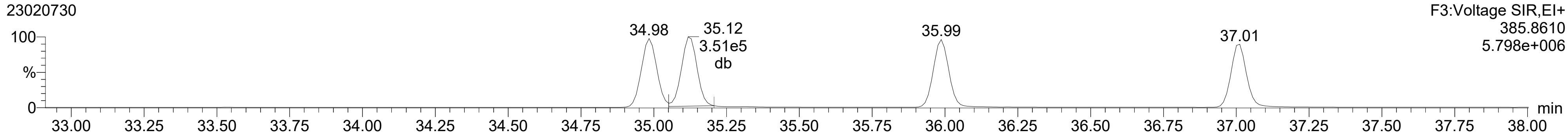

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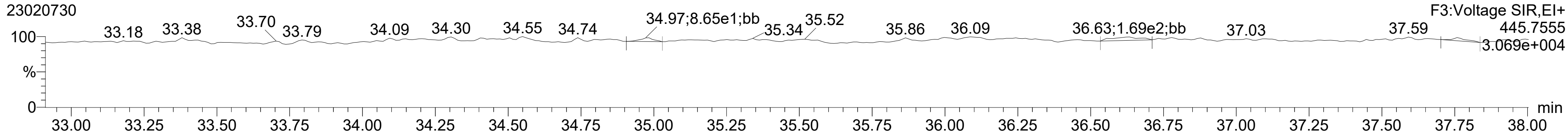

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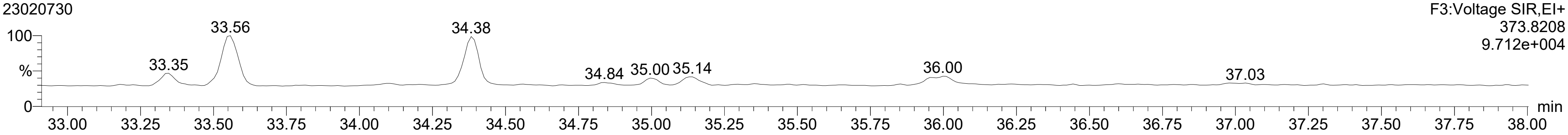

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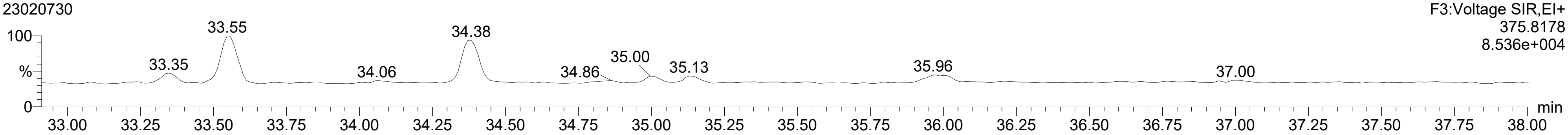

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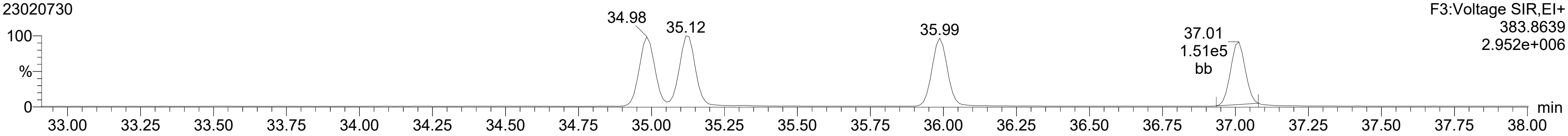

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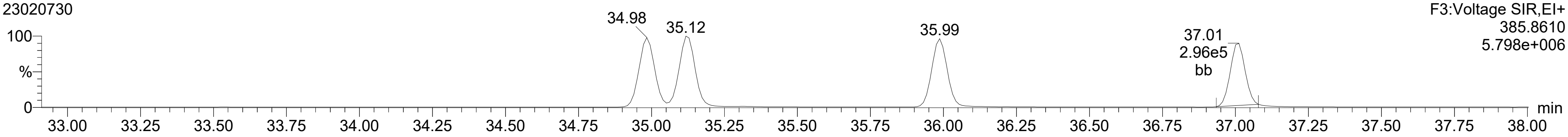

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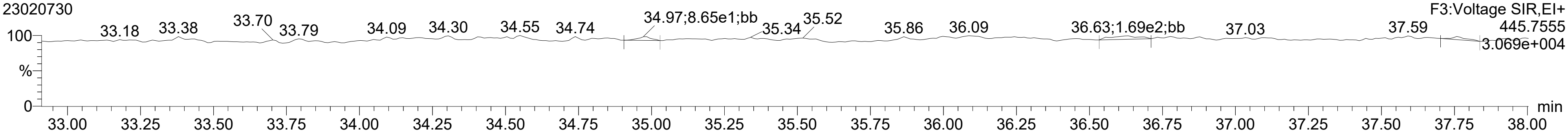

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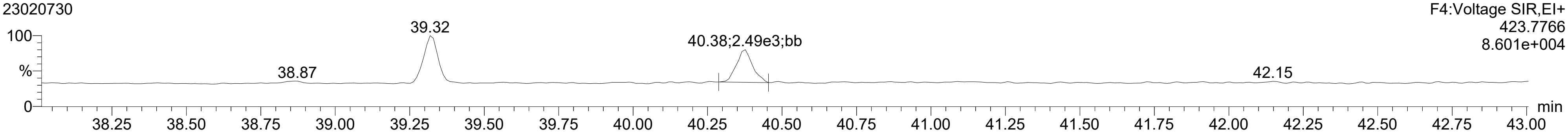

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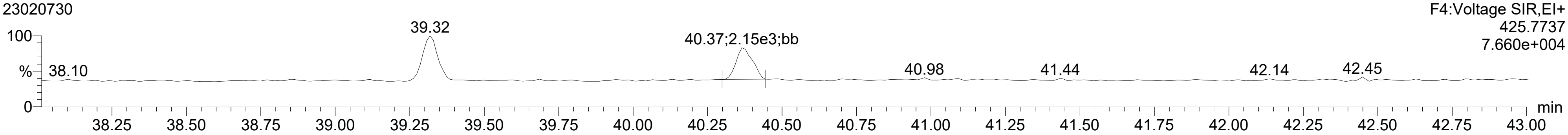

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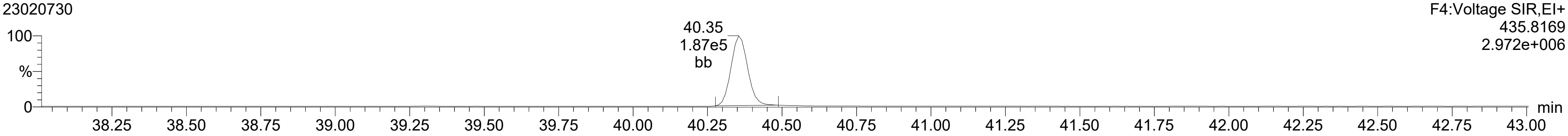

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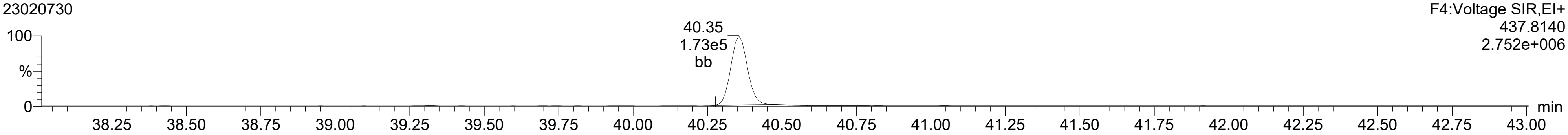

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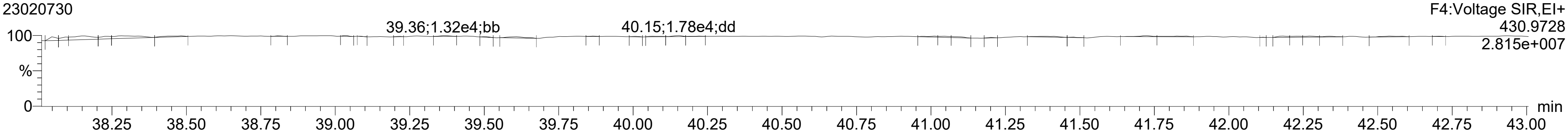

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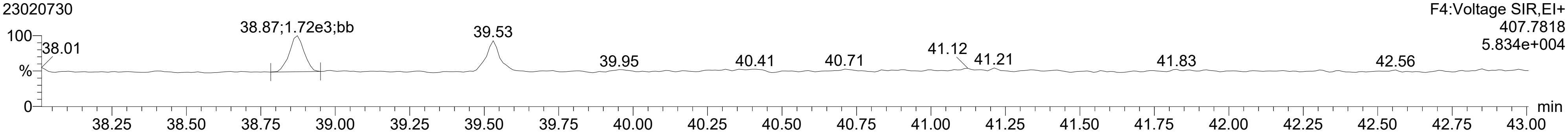

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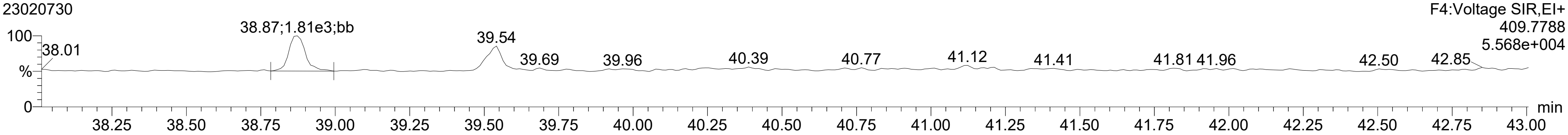

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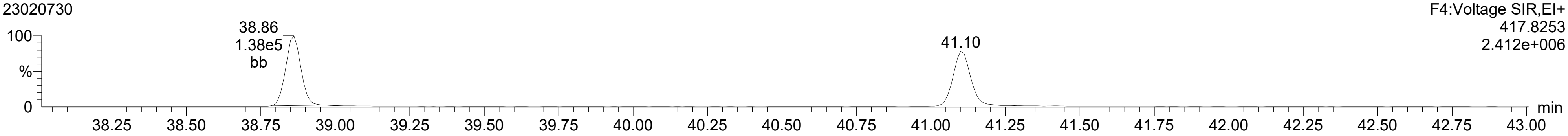

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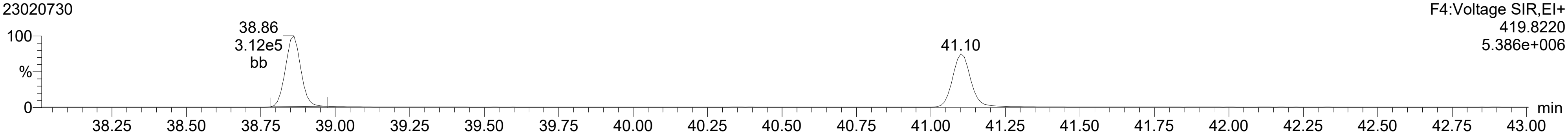

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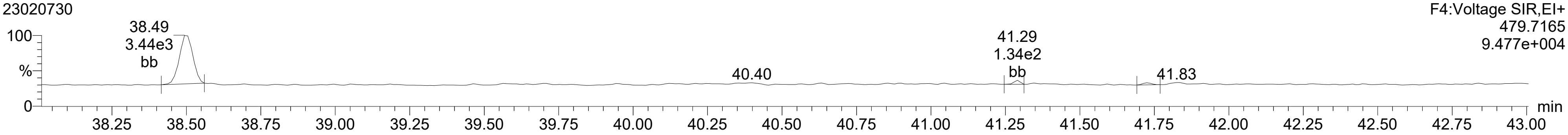

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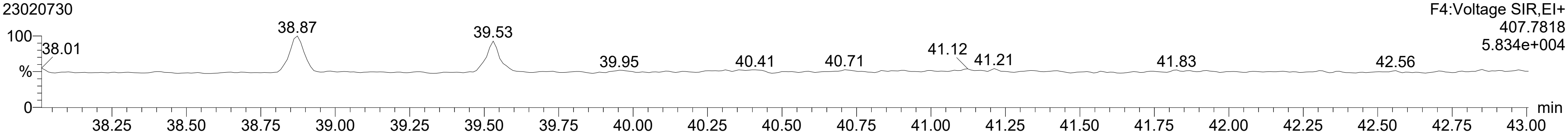

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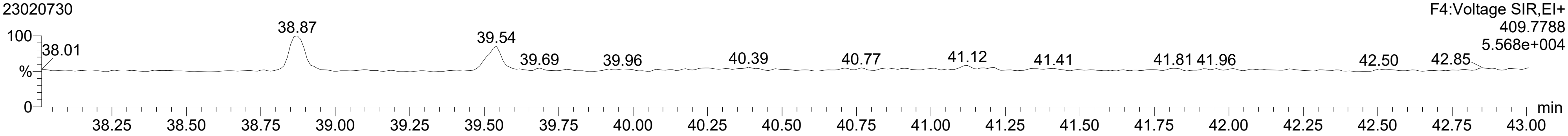

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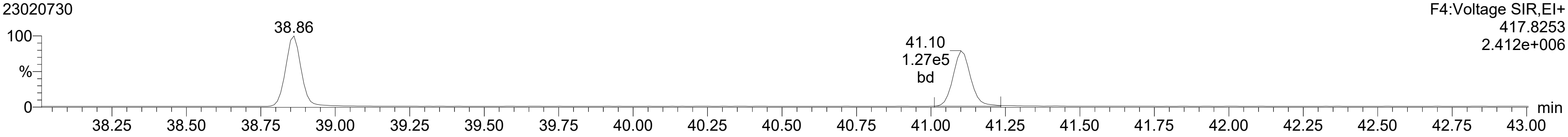

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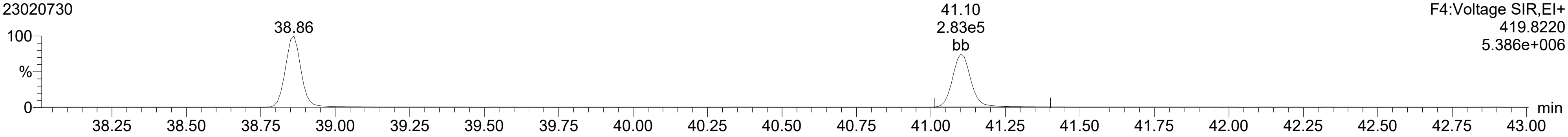

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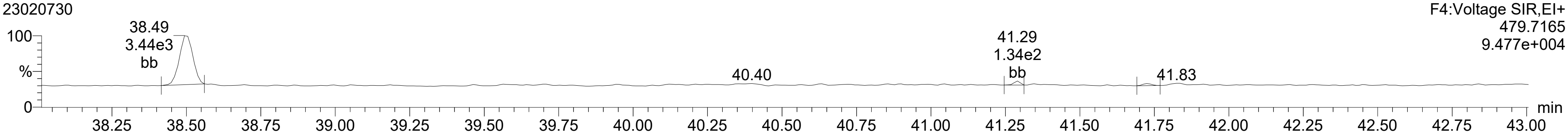

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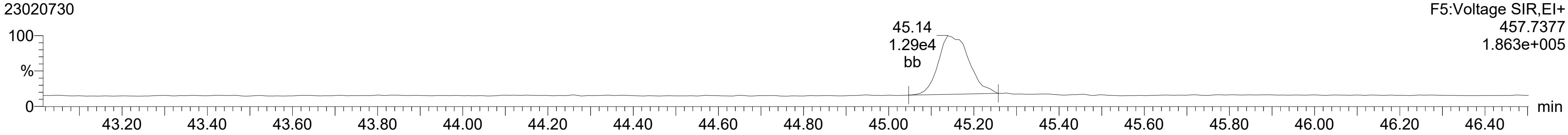

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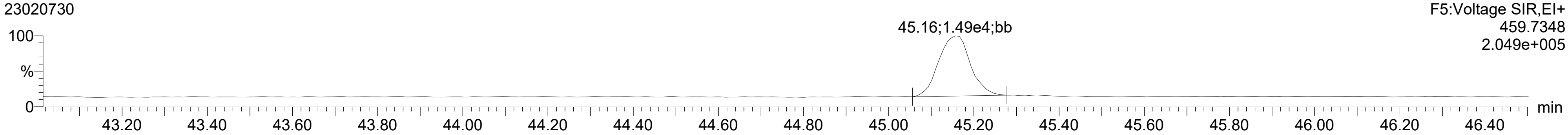

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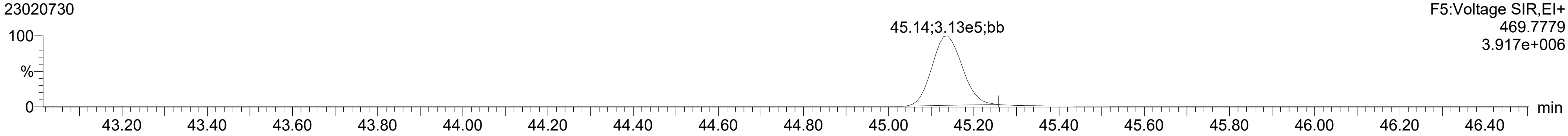

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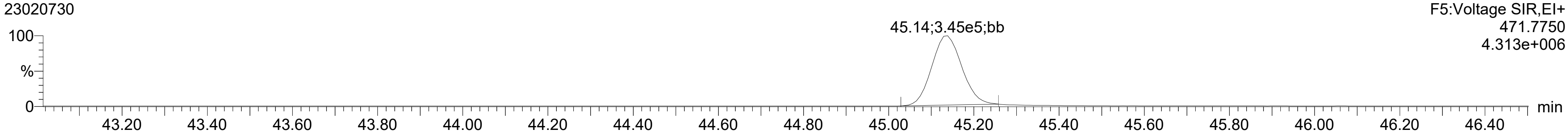

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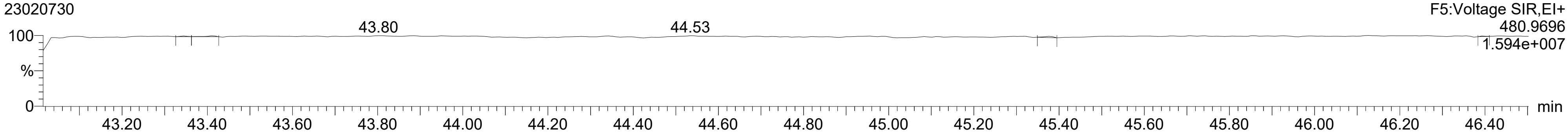

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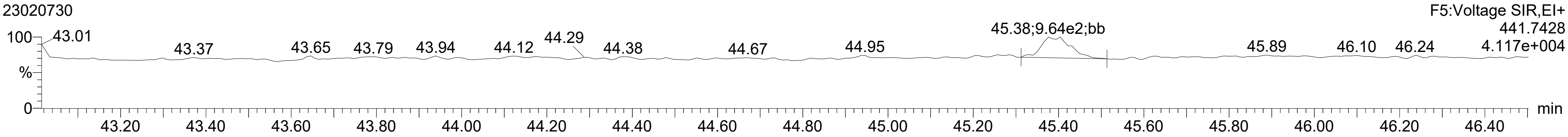

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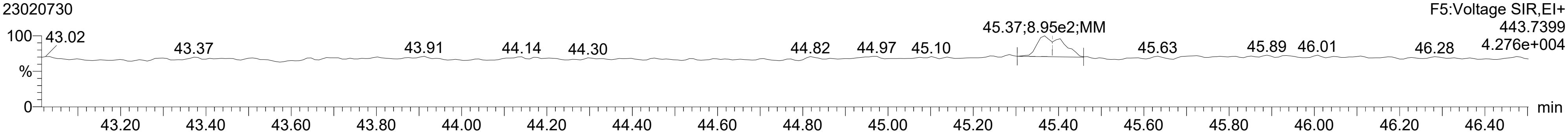

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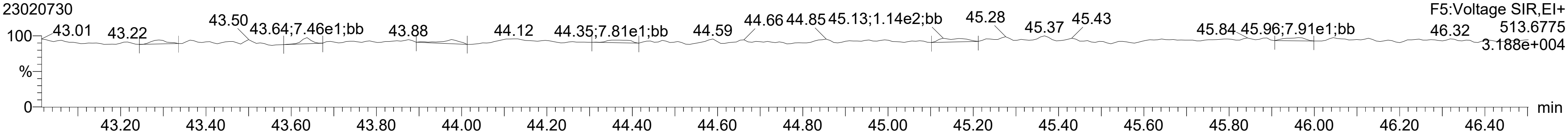

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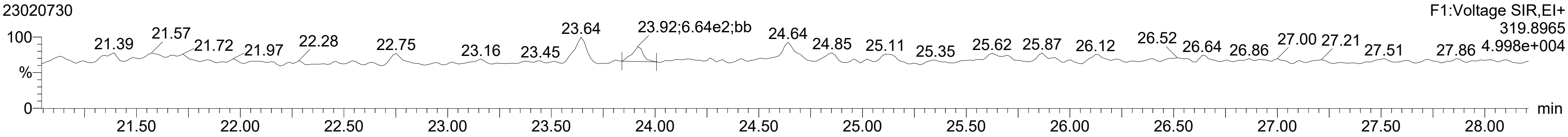

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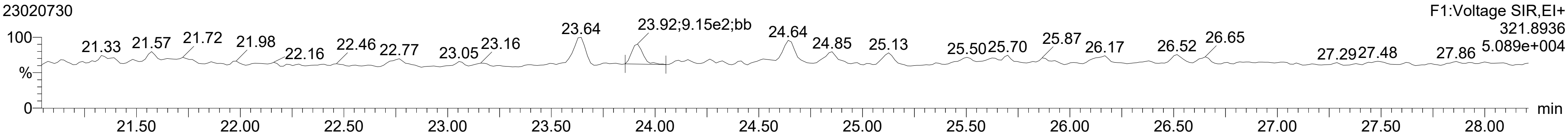

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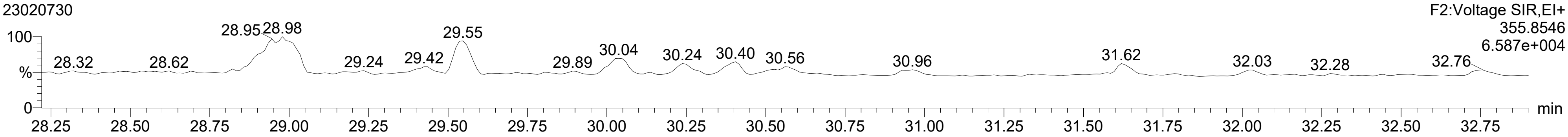

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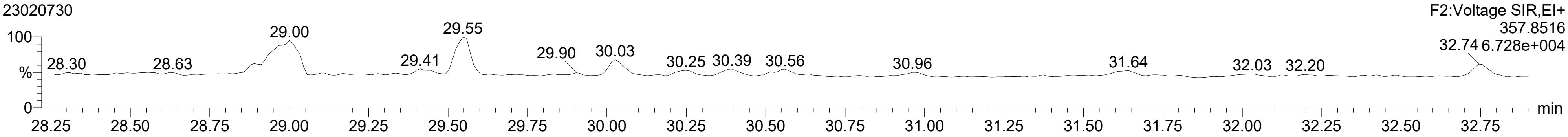

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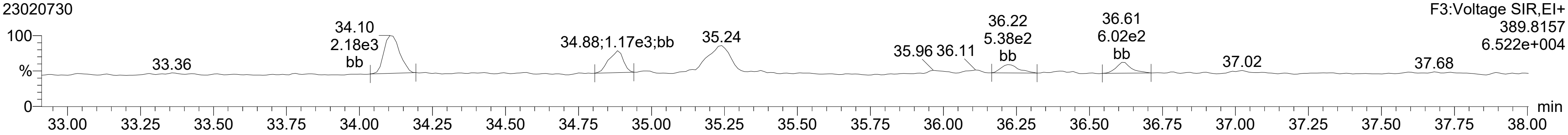

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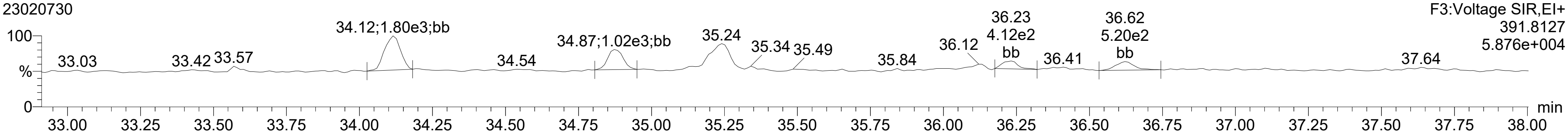

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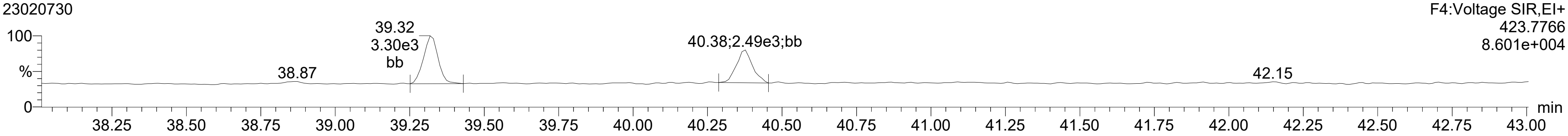

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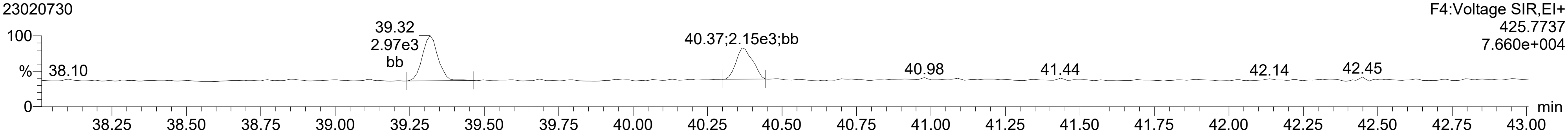

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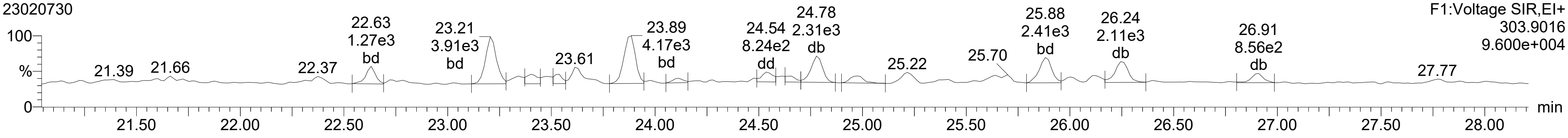
Total-tetrafurans



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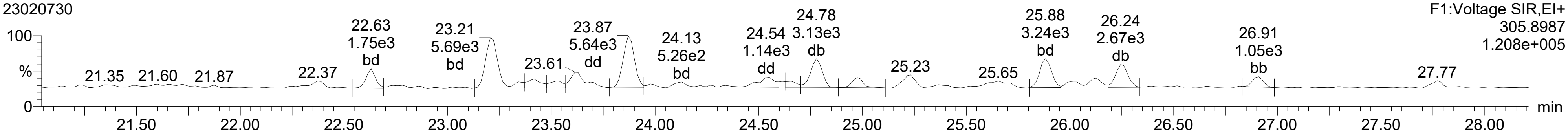

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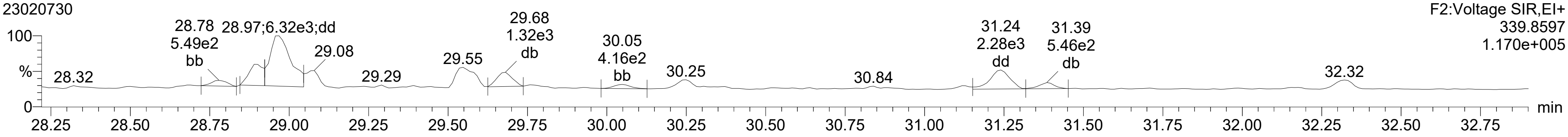

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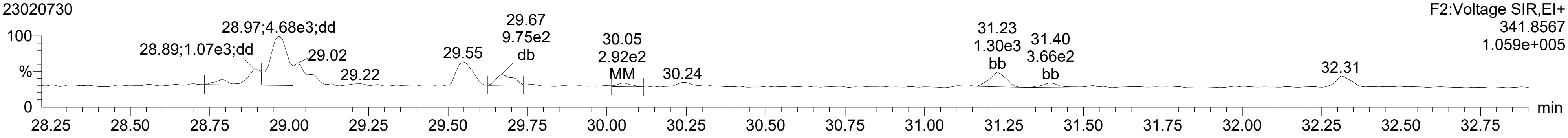

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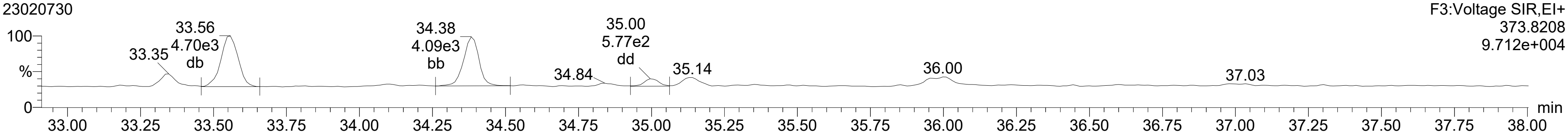

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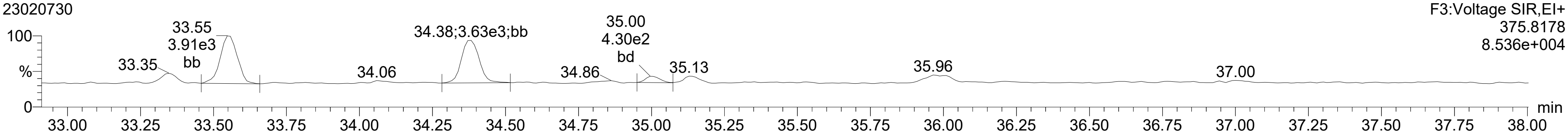
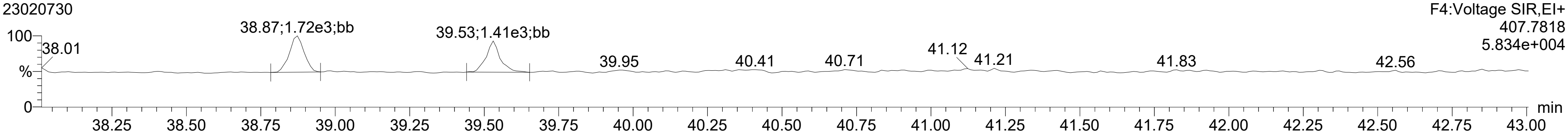
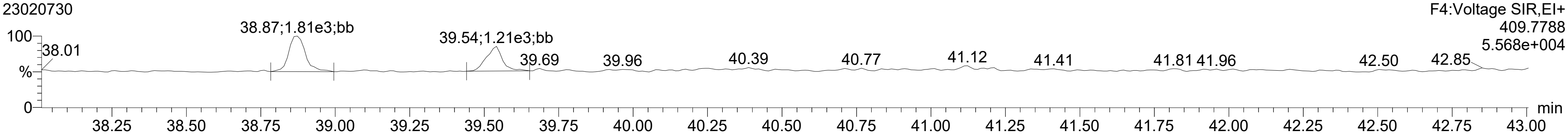


Total-heptafurans



Total-heptafurans



LDW22-IT808E

Form 1
ORGANIC ANALYSIS DATA SHEET
EPA 1613B
Dioxins/Furans by HRGC/HRMS

Laboratory:	Analytical Resources, LLC			SDG:	22L0307
Client:	Anchor QEA, LLC				
Project:	AOC4 UR Phase 3				
Matrix:	Sediment	Laboratory ID:	22L0307-33 A	File ID:	23020731
Sampled:	12/12/22 09:46	Prepared:	12/27/22 14:20	Analyzed:	02/08/23 09:56
% Solids:	81.32	Preparation:	EPA 8290	Initial/Final:	12.33 g Wet / 20 uL
Result Basis:	Dry	Sequence:	SLB0072	Calibration:	GB00010
Batch:	BKL0420	Instrument:	AUTOSPEC01	Column:	RTX-Dioxin2

CAS NO.	COMPOUND	DF/Split	Ion Ratio	Ratio Limits	EDL	RL	Result	Units	Q
51207-31-9	2,3,7,8-TCDF	1		0.655-0.886	0.121	0.997	ND	ng/kg	U
1746-01-6	2,3,7,8-TCDD	1		0.655-0.886	0.127	0.997	ND	ng/kg	U
57117-41-6	1,2,3,7,8-PeCDF	1		1.318-1.783	0.134	0.997	ND	ng/kg	U
57117-31-4	2,3,4,7,8-PeCDF	1		1.318-1.783	0.132	0.997	ND	ng/kg	U
40321-76-4	1,2,3,7,8-PeCDD	1		1.318-1.783	0.179	0.997	ND	ng/kg	U
70648-26-9	1,2,3,4,7,8-HxCDF	1		1.054-1.426	0.104	0.997	ND	ng/kg	U
57117-44-9	1,2,3,6,7,8-HxCDF	1		1.054-1.426	0.096	0.997	ND	ng/kg	U
60851-34-5	2,3,4,6,7,8-HxCDF	1		1.054-1.426	0.098	0.997	ND	ng/kg	U
72918-21-9	1,2,3,7,8,9-HxCDF	1		1.054-1.426	0.116	0.997	ND	ng/kg	U
39227-28-6	1,2,3,4,7,8-HxCDD	1		1.054-1.426	0.127	0.997	ND	ng/kg	U
57653-85-7	1,2,3,6,7,8-HxCDD	1		1.054-1.426	0.125	0.997	ND	ng/kg	U
19408-74-3	1,2,3,7,8,9-HxCDD	1		1.054-1.426	0.128	0.997	ND	ng/kg	U
67562-39-4	1,2,3,4,6,7,8-HpCDF	1		0.893-1.208	0.161	0.997	ND	ng/kg	U
55673-89-7	1,2,3,4,7,8,9-HpCDF	1		0.893-1.208	0.225	0.997	ND	ng/kg	U
35822-46-9	1,2,3,4,6,7,8-HpCDD	1		0.893-1.208	0.187	2.49	ND	ng/kg	U
39001-02-0	OCDF	1	1.064	0.757-1.024	0.354	2.49	0.632	ng/kg	EMPC, J, B
3268-87-9	OCDD	1	0.792	0.757-1.024	0.343	9.97	2.22	ng/kg	J, B

Homologue Groups

55722-27-5	Total TCDF	1	0.000			0.997	ND	ng/kg
41903-57-5	Total TCDD	1	0.000			0.997	ND	ng/kg
30402-15-4	Total PeCDF	1	0.000			0.997	ND	ng/kg
36088-22-9	Total PeCDD	1	0.000			0.997	ND	ng/kg
55684-94-1	Total HxCDF	1	0.000			0.997	ND	ng/kg
34465-46-8	Total HxCDD	1	0.000			0.997	ND	ng/kg
38998-75-3	Total HpCDF	1	0.000			0.997	ND	ng/kg
37871-00-4	Total HpCDD	1	0.000			0.997	ND	ng/kg

Total 2,3,7,8-TCDD Equivalence (WHO2005, ND=0, Including EMPC):	0.001
Total 2,3,7,8-TCDD Equivalence (WHO2005, ND=1/2 EDL, Including EMPC):	0.224

LDW22-IT808E

Form 2
ORGANIC ANALYSIS DATA SHEET
EPA 1613B
Dioxins/Furans by HRGC/HRMS

Laboratory:	Analytical Resources, LLC			SDG:	22L0307
Client:	Anchor QEA, LLC			Project:	AOC4 UR Phase 3
Matrix:	Sediment	Laboratory ID:	22L0307-33	File ID:	23020731
Sampled:	12/12/22 09:46	Prepared:	12/27/22 14:20	Analyzed:	02/08/23 09:56
Solids Wt%:	81.32	Preparation:	EPA 8290	Initial/Final:	12.33 g / 20 uL
Result Basis:	Dry	Sequence:	SLB0072	Calibration:	GB00010
Batch:	BKL0420	Instrument:	AUTOSPEC01	Column:	RTX-Dioxin2

Labels	DF/Split	Ion Ratio	Ratio Limits	EDL	% REC	QC LIMITS	Q
13C12-2,3,7,8-TCDF		0.776	0.655-0.886	0.206	90.8	24 - 169 %	
13C12-2,3,7,8-TCDD		0.775	0.655-0.886	0.253	108	25 - 164 %	
13C12-1,2,3,7,8-PeCDF		1.514	1.318-1.783	0.180	98.4	24 - 185 %	
13C12-2,3,4,7,8-PeCDF		1.524	1.318-1.783	0.188	95.8	21 - 178 %	
13C12-1,2,3,7,8-PeCDD		1.598	1.318-1.783	0.202	104	25 - 181 %	
13C12-1,2,3,4,7,8-HxCDF		0.516	0.434-0.587	0.182	95.3	26 - 152 %	
13C12-1,2,3,6,7,8-HxCDF		0.507	0.434-0.587	0.178	95.7	26 - 123 %	
13C12-2,3,4,6,7,8-HxCDF		0.513	0.434-0.587	0.189	94.5	28 - 136 %	
13C12-1,2,3,7,8,9-HxCDF		0.503	0.434-0.587	0.207	90.0	29 - 147 %	
13C12-1,2,3,4,7,8-HxCDD		1.283	1.054-1.426	0.232	109	32 - 141 %	
13C12-1,2,3,6,7,8-HxCDD		1.267	1.054-1.426	0.225	108	28 - 130 %	
13C12-1,2,3,4,6,7,8-HpCDF		0.447	0.374-0.506	0.302	81.4	28 - 143 %	
13C12-1,2,3,4,7,8,9-HpCDF		0.447	0.374-0.506	0.346	82.1	26 - 138 %	
13C12-1,2,3,4,6,7,8-HpCDD		1.078	0.893-1.208	0.240	87.1	23 - 140 %	
13C12-OCDD		0.924	0.757-1.024	0.299	75.0	17 - 157 %	
37Cl4-2,3,7,8-TCDD		328.000		0.092	88.9	35 - 197 %	

* Values outside of QC limits

Quantify Sample Summary Report **MassLynx MassLynx V4.1 SCN909**

Dataset: T:\Autospec\Processed Data Batch\230207D2.qld
Last Altered: Wednesday, February 08, 2023 13:13:24 Pacific Standard Time
Printed: Wednesday, February 08, 2023 13:17:37 Pacific Standard Time

Method: T:\Autospec\Methods\Dioxin230206.mdb 07 Feb 2023 09:29:10
Calibration: T:\Autospec\Curves\230201ICIH.cdb 03 Feb 2023 10:33:40

ID: 22L0307-33, Name: 23020731, Date: 08-Feb-2023, Time: 09:56:39, Conditions: AUTOSPEC01, User: pk

Compound	RT	RRT	Ion1Area	Ion2Area	RRF	Ratio	Pred R	Noise 1	Noise 2	Height 1	Height 2	S/N 1	S/N 2	EMPC	Int.1	Int.2	pg
2378-TCDF					0.876		0.770	846	884								
12378-PeCDF					0.845		1.550	860	876								
23478-PeCDF					0.911		1.550	860	876								
123478-HxCDF					1.182		1.240	786	724								
234678-HxCDF					1.229		1.240	786	724								
123678-HxCDF					1.248		1.240	786	724								
123789-HxCDF					1.187		1.240	786	724								
1234678-HpCDF					1.204		1.050	989	1121								
1234789-HpCDF					1.165		1.050	989	1121								
OCDF	45.348	1.005	5.269e2	4.954e2	1.186	1.064	0.890	1076	1237	6.08e3	6.03e3	5.6	4.9	YES	MM	MM	0.317
2378-TCDD					1.236		0.770	1179	743								
12378-PeCDD					1.087		1.550	928	891								
123478-HxCDD					0.987		1.240	878	792								
123678-HxCDD					1.021		1.240	878	792								
123789-HxCDD					0.985		1.240	878	792								
1234678-HpCDD					1.253		1.050	977	900								
OCDD	45.147	1.001	1.474e3	1.861e3	1.103	0.792	0.890	1053	1032	1.96e4	2.10e4	18.6	20.3	NO	MM	MM	1.112
13C-2378-TCDF	25.836	1.007	2.750e5	3.541e5	1.768	0.776	0.770	2323	1393	4.28e6	5.47e6	1840.8	3928.6	NO	bb	bb	90.837
13C-12378-PeCDF	30.004	1.170	3.546e5	2.342e5	1.527	1.514	1.550	1567	1239	5.54e6	3.63e6	3533.5	2927.6	NO	bb	bb	98.441
13C-23478-PeCDF	31.341	1.222	3.323e5	2.180e5	1.466	1.524	1.550	1567	1239	5.21e6	3.43e6	3322.5	2765.2	NO	bb	bb	95.798
13C-123478-HxCDF	34.962	0.956	1.572e5	3.048e5	1.054	0.516	0.510	1276	1178	2.51e6	4.91e6	1964.0	4172.6	NO	bd	bd	95.281
13C-123678-HxCDF	35.106	0.960	1.601e5	3.155e5	1.080	0.507	0.510	1276	1178	2.54e6	5.05e6	1991.1	4291.0	NO	db	db	95.710
13C-234678-HxCDF	35.964	0.983	1.495e5	2.916e5	1.014	0.513	0.510	1276	1178	2.55e6	4.97e6	2001.2	4222.6	NO	bb	bb	94.486
13C-123789-HxCDF	36.989	1.011	1.286e5	2.557e5	0.928	0.503	0.510	1276	1178	2.19e6	4.31e6	1719.3	3656.4	NO	bb	bb	89.989
13C-1234678-HpCDF	38.839	1.062	1.198e5	2.681e5	1.036	0.447	0.440	1663	2338	2.01e6	4.51e6	1206.8	1927.8	NO	bb	bb	81.355
13C-1234789-HpCDF	41.078	1.123	1.056e5	2.364e5	0.905	0.447	0.440	1663	2338	1.49e6	3.38e6	894.8	1444.1	NO	bd	bd	82.107
13C-1234-TCDD	25.655	0.000	1.723e5	2.194e5	1.000	0.785	0.770	1950	898	2.68e6	3.45e6	1376.7	3844.7	NO	bb	bb	100.000
13C-2378-TCDD	26.471	1.032	2.040e5	2.632e5	1.103	0.775	0.770	1950	898	3.19e6	4.15e6	1636.6	4622.4	NO	bb	bb	108.136
13C-12378-PeCDD	31.597	1.232	2.282e5	1.428e5	0.914	1.598	1.550	895	988	3.43e6	2.11e6	3835.8	2140.1	NO	bd	bd	103.590
13C-123478-HxCDD	36.076	0.986	2.628e5	2.048e5	0.933	1.283	1.240	1381	1390	4.49e6	3.51e6	3251.9	2527.3	NO	bd	bd	108.921
13C-123678-HxCDD	36.187	0.989	2.674e5	2.110e5	0.965	1.267	1.240	1381	1390	4.38e6	3.47e6	3168.4	2497.2	NO	db	db	107.773
13C-1234678-HpCDD	40.332	1.103	1.625e5	1.508e5	0.782	1.078	1.050	1267	1136	2.49e6	2.35e6	1966.0	2065.7	NO	bb	bb	87.071
13C-OCDD	45.111	1.233	2.612e5	2.827e5	0.788	0.924	0.890	1330	1688	3.17e6	3.48e6	2382.0	2065.0	NO	bb	bb	149.935
13C-123789-HxCDD	36.577	0.000	2.566e5	2.036e5	1.000	1.261	1.240	1381	1390	4.27e6	3.39e6	3088.2	2434.7	NO	bb	bb	100.000
37CL-2378-TCDD	26.501	1.033	1.718e5		1.233			1159		2.63e6		2269.3			bb		35.556

ID: 22L0307-33, Name: 23020731, Date: 08-Feb-2023, Time: 09:56:39, Conditions: AUTOSPEC01, User: pk

Compound	RT	RRT	Ion1Area	Ion2Area	RRF	Ratio	Pred R	Noise 1	Noise 2	Height 1	Height 2	S/N 1	S/N 2	EMPC	Int.1	Int.2	pg
1368-TCDF	22.465	0.870	8.460e1	8.592e1	1.064	0.985	0.770	846	884	1.26e3	1.23e3	1.5	1.4	YES	bb	bb	0.025
1289-TCDF					0.858		0.770	846	884								
13468-PECDF					1.013		1.550	646	763								
12389-PECDF					0.844		1.550	860	876								
123468-HXCDF					1.197		1.240	786	724								
1368-TCDD					1.084		0.770	1179	743								
1289-TCDD					0.975		0.770	1179	743								
12479-PECDD					1.837		1.550	928	891								
12389-PECDD					1.252		1.550	928	891								
124679-HXCDD	34.093	0.945	1.461e2	7.451e1	1.033	1.961	1.240	878	792	3.14e3	1.73e3	3.6	2.2	YES	bb	bb	0.046
1234679-HPCDD	39.296	0.974	1.141e3	6.984e2	1.286	1.633	1.050	977	900	1.22e4	1.20e4	12.5	13.4	YES	dd	bd	0.456
Total-tetrafurans			0.000e0		0.933			846		0.00e0							
Total-penta1			0.000e0					646		0.00e0							
Total-pentafurans			0.000e0		0.866			860		0.00e0							
Total-hexafurans			0.000e0		1.208			786		0.00e0							
Total-heptafurans			0.000e0		1.185			989		0.00e0							
Total-Furans			0.000e0		1.067			846		0.00e0							
Total-tetradioxins			0.000e0		1.099			1179		0.00e0							
Total-pentadioxins			0.000e0		1.392			928		0.00e0							
Total-hexadioxins			0.000e0		1.007			878		0.00e0							
Total-heptadioxins			0.000e0		1.269			977		0.00e0							
Total-Dioxins			1.474e3		1.165			1179		1.96e4							1.112
Total-TEQ			1.474e3					1179		1.96e4							1.112
FUNCTION1 PFK			3.453e6					786457		6.23e7							
FUNCTION2 PFK			5.575e5					443446		1.66e7							0.000
FUNCTION3 PFK			2.328e5					309966		7.31e6							0.000
FUNCTION4 PFK			3.975e6					179267		5.08e7							
FUNCTION5 PFK			1.359e5					144812		4.02e6							
FUNCTION1 HXCD...			5.316e2					604		7.60e3							0.000
FUNCTION1 HPCD...			1.144e3					773		1.76e4							0.000
FUNCTION2 HPCD...			5.697e2					655		9.92e3							0.000
FUNCTION3 OCDPE			4.281e2					642		8.14e3							0.000
FUNCTION4 NCDPE			6.922e2					934		1.14e4							0.000
FUNCTION5 DCDPE			3.181e2					910		8.30e3							0.000

Method: T:\Autospec\Methods\Dioxin230206.mdb 07 Feb 2023 09:29:10
Calibration: T:\Autospec\Curves\230201ICIH.cdb 03 Feb 2023 10:33:40

ID: 22L0307-33, Name: 23020731, Date: 08-Feb-2023, Time: 09:56:39, Conditions: AUTOSPEC01, User: pk

TF

	Compound	RT	Ion1Area	Ion2Area	RRF	Ratio	Pred R	S/N 1	SNFlag	EMPC	Int.1	Int.2	pg
1													

PP

	Compound	RT	Ion1Area	Ion2Area	RRF	Ratio	Pred R	S/N 1	SNFlag	EMPC	Int.1	Int.2	pg
1													

PF

	Compound	RT	Ion1Area	Ion2Area	RRF	Ratio	Pred R	S/N 1	SNFlag	EMPC	Int.1	Int.2	pg
1													

HF

	Compound	RT	Ion1Area	Ion2Area	RRF	Ratio	Pred R	S/N 1	SNFlag	EMPC	Int.1	Int.2	pg
1													

HPF

	Compound	RT	Ion1Area	Ion2Area	RRF	Ratio	Pred R	S/N 1	SNFlag	EMPC	Int.1	Int.2	pg
1													

Furans,TF,PP,PF,HF,HPF,OF

	Compound	RT	Ion1Area	Ion2Area	RRF	Ratio	Pred R	S/N 1	SNFlag	EMPC	Int.1	Int.2	pg
1													

TD

	Compound	RT	Ion1Area	Ion2Area	RRF	Ratio	Pred R	S/N 1	SNFlag	EMPC	Int.1	Int.2	pg
1													

PD

	Compound	RT	Ion1Area	Ion2Area	RRF	Ratio	Pred R	S/N 1	SNFlag	EMPC	Int.1	Int.2	pg
1													

ID: 22L0307-33, Name: 23020731, Date: 08-Feb-2023, Time: 09:56:39, Conditions: AUTOSPEC01, User: pk

HD

	Compound	RT	Ion1Area	Ion2Area	RRF	Ratio	Pred R	S/N 1	SNFlag	EMPC	Int.1	Int.2	pg
1													

HPD

	Compound	RT	Ion1Area	Ion2Area	RRF	Ratio	Pred R	S/N 1	SNFlag	EMPC	Int.1	Int.2	pg
1													

Dioxins,TD,PD,HD,HPD,OD

	Compound	RT	Ion1Area	Ion2Area	RRF	Ratio	Pred R	S/N 1	SNFlag	EMPC	Int.1	Int.2	pg
1	OCDD	45.15	1.474e3	1.861e3	1.103	0.79	0.89	18.6	YES	NO	MM	MM	1.112

TotalTEQ,Furans,Dioxins

	Compound	RT	Ion1Area	Ion2Area	RRF	Ratio	Pred R	S/N 1	SNFlag	EMPC	Int.1	Int.2	pg
1													

ID: 22L0307-33, Name: 23020731, Date: 08-Feb-2023, Time: 09:56:39, Conditions: AUTOSPEC01, User: pk

PFK1

	Compound	RT	Ion1Area	Ion2Area	RRF	Ratio	Pred R	S/N 1	SNFlag	EMPC	Int.1	Int.2	pg
1	FUNCTION1 PFK	22.84	1.015e4					0.5	NO		bb		
2	FUNCTION1 PFK	22.72	4.338e4					1.2	NO		bb		
3	FUNCTION1 PFK	22.63	4.264e4					1.3	NO		db		
4	FUNCTION1 PFK	22.53	9.043e4					1.5	NO		dd		
5	FUNCTION1 PFK	22.46	5.539e4					1.7	NO		bd		
6	FUNCTION1 PFK	22.40	1.626e4					0.9	NO		bb		
7	FUNCTION1 PFK	22.19	4.358e4					1.5	NO		db		
8	FUNCTION1 PFK	22.12	1.109e5					1.5	NO		dd		
9	FUNCTION1 PFK	21.98	4.124e4					1.4	NO		dd		
10	FUNCTION1 PFK	21.92	2.822e4					1.0	NO		bd		
11	FUNCTION1 PFK	21.62	2.966e4					1.2	NO		db		
12	FUNCTION1 PFK	21.57	6.124e4					1.3	NO		dd		
13	FUNCTION1 PFK	21.44	1.300e5					2.5	NO		bd		
14	FUNCTION1 PFK	21.35	1.679e5					2.7	NO		db		
15	FUNCTION1 PFK	21.21	1.323e5					2.7	NO		bd		
16	FUNCTION1 PFK	21.12	1.501e4					0.8	NO		bb		
17	FUNCTION1 PFK	24.54	8.382e4					1.7	NO		dd		
18	FUNCTION1 PFK	24.45	4.075e4					1.1	NO		dd		
19	FUNCTION1 PFK	24.37	6.188e4					1.6	NO		dd		
20	FUNCTION1 PFK	24.29	6.964e4					1.6	NO		dd		
21	FUNCTION1 PFK	24.23	6.106e4					1.7	NO		dd		
22	FUNCTION1 PFK	24.10	1.042e5					1.4	NO		bd		
23	FUNCTION1 PFK	23.98	2.638e5					1.7	NO		db		
24	FUNCTION1 PFK	23.70	5.748e4					1.2	NO		dd		
25	FUNCTION1 PFK	23.63	2.419e4					1.0	NO		dd		
26	FUNCTION1 PFK	23.57	2.159e4					0.7	NO		bd		
27	FUNCTION1 PFK	23.49	1.280e4					0.4	NO		bb		
28	FUNCTION1 PFK	23.36	1.538e4					0.7	NO		bb		
29	FUNCTION1 PFK	23.30	4.374e4					1.2	NO		db		
30	FUNCTION1 PFK	23.24	5.658e4					1.3	NO		bd		
31	FUNCTION1 PFK	23.13	5.145e4					1.3	NO		bb		
32	FUNCTION1 PFK	22.99	1.343e4					0.5	NO		bb		
33	FUNCTION1 PFK	26.58	4.855e4					0.8	NO		bb		
34	FUNCTION1 PFK	26.27	1.334e4					0.5	NO		bb		
35	FUNCTION1 PFK	25.91	7.390e3					0.4	NO		bb		
36	FUNCTION1 PFK	25.85	2.501e4					1.0	NO		db		
37	FUNCTION1 PFK	25.81	5.344e4					1.6	NO		dd		

ID: 22L0307-33, Name: 23020731, Date: 08-Feb-2023, Time: 09:56:39, Conditions: AUTOSPEC01, User: pk

PFK1

	Compound	RT	Ion1Area	Ion2Area	RRF	Ratio	Pred R	S/N 1	SNFlag	EMPC	Int.1	Int.2	pg
38	FUNCTION1 PFK	25.73	7.244e4					1.4	NO		bd		
39	FUNCTION1 PFK	25.47	6.610e4					1.6	NO		bb		
40	FUNCTION1 PFK	25.35	3.411e4					1.2	NO		bb		
41	FUNCTION1 PFK	25.23	5.913e4					1.5	NO		db		
42	FUNCTION1 PFK	25.17	2.626e4					1.0	NO		bd		
43	FUNCTION1 PFK	25.10	4.480e4					1.2	NO		db		
44	FUNCTION1 PFK	25.02	7.937e4					1.8	NO		dd		
45	FUNCTION1 PFK	24.93	9.854e4					1.9	NO		dd		
46	FUNCTION1 PFK	24.85	6.600e4					1.4	NO		dd		
47	FUNCTION1 PFK	24.76	1.515e5					1.8	NO		dd		
48	FUNCTION1 PFK	24.61	3.450e4					0.8	NO		dd		
49	FUNCTION1 PFK	28.07	2.160e4					0.7	NO		bb		
50	FUNCTION1 PFK	27.95	8.819e4					1.7	NO		bb		
51	FUNCTION1 PFK	27.80	3.261e4					1.0	NO		bb		
52	FUNCTION1 PFK	27.74	2.086e4					1.0	NO		bb		
53	FUNCTION1 PFK	27.67	3.629e4					0.9	NO		bb		
54	FUNCTION1 PFK	27.59	3.031e4					1.0	NO		db		
55	FUNCTION1 PFK	27.53	4.459e4					1.5	NO		bd		
56	FUNCTION1 PFK	27.45	9.145e3					0.5	NO		bb		
57	FUNCTION1 PFK	27.33	1.376e4					0.7	NO		bb		
58	FUNCTION1 PFK	27.15	3.304e3					0.3	NO		bb		
59	FUNCTION1 PFK	26.99	3.785e4					1.6	NO		db		
60	FUNCTION1 PFK	26.92	9.449e4					2.0	NO		dd		
61	FUNCTION1 PFK	26.88	4.863e4					1.6	NO		dd		
62	FUNCTION1 PFK	26.82	1.836e4					0.9	NO		bd		
63	FUNCTION1 PFK	26.71	7.203e4					1.3	NO		bb		

ID: 22L0307-33, Name: 23020731, Date: 08-Feb-2023, Time: 09:56:39, Conditions: AUTOSPEC01, User: pk

PFK2

	Compound	RT	Ion1Area	Ion2Area	RRF	Ratio	Pred R	S/N 1	SNFlag	EMPC	Int.1	Int.2	pg
1	FUNCTION2 PFK	29.90	8.002e3					0.7	NO		bb		0.000
2	FUNCTION2 PFK	29.85	5.599e3					0.6	NO		bb		0.000
3	FUNCTION2 PFK	29.80	6.732e3					0.8	NO		bb		0.000
4	FUNCTION2 PFK	29.74	1.363e4					1.1	NO		db		0.000
5	FUNCTION2 PFK	29.67	2.710e4					1.4	NO		bd		0.000
6	FUNCTION2 PFK	29.63	1.228e4					0.7	NO		bb		0.000
7	FUNCTION2 PFK	29.48	2.280e3					0.5	NO		bb		0.000
8	FUNCTION2 PFK	29.45	8.884e3					1.0	NO		bb		0.000
9	FUNCTION2 PFK	29.17	8.984e3					0.9	NO		db		0.000
10	FUNCTION2 PFK	29.09	2.959e4					1.4	NO		bd		0.000
11	FUNCTION2 PFK	28.92	2.706e4					1.8	NO		bb		0.000
12	FUNCTION2 PFK	28.87	6.375e3					0.8	NO		bb		0.000
13	FUNCTION2 PFK	28.72	1.634e3					0.3	NO		bb		0.000
14	FUNCTION2 PFK	28.59	2.762e4					1.1	NO		bb		0.000
15	FUNCTION2 PFK	28.33	1.383e4					1.4	NO		db		0.000
16	FUNCTION2 PFK	28.28	1.770e4					1.0	NO		bd		0.000
17	FUNCTION2 PFK	31.80	1.488e4					0.8	NO		bb		0.000
18	FUNCTION2 PFK	31.63	9.824e3					0.9	NO		db		0.000
19	FUNCTION2 PFK	31.59	1.358e4					0.9	NO		bd		0.000
20	FUNCTION2 PFK	31.52	1.968e3					0.4	NO		bb		0.000
21	FUNCTION2 PFK	31.47	3.296e4					1.3	NO		db		0.000
22	FUNCTION2 PFK	31.39	3.951e3					0.6	NO		bd		0.000
23	FUNCTION2 PFK	31.16	1.690e4					1.2	NO		bb		0.000
24	FUNCTION2 PFK	30.87	4.978e3					0.6	NO		bb		0.000
25	FUNCTION2 PFK	30.68	2.078e3					0.4	NO		bb		0.000
26	FUNCTION2 PFK	30.65	2.847e3					0.6	NO		bb		0.000
27	FUNCTION2 PFK	30.61	1.533e4					1.1	NO		bb		0.000
28	FUNCTION2 PFK	30.54	4.802e4					1.6	NO		db		0.000
29	FUNCTION2 PFK	30.45	2.253e4					1.6	NO		dd		0.000
30	FUNCTION2 PFK	30.37	4.010e4					1.5	NO		bd		0.000
31	FUNCTION2 PFK	30.28	1.556e4					1.2	NO		bb		0.000
32	FUNCTION2 PFK	29.97	5.062e3					0.7	NO		bb		0.000
33	FUNCTION2 PFK	32.82	2.017e4					1.5	NO		bb		0.000
34	FUNCTION2 PFK	32.31	7.208e3					0.6	NO		bb		0.000
35	FUNCTION2 PFK	32.18	1.292e4					0.9	NO		bb		0.000
36	FUNCTION2 PFK	32.11	2.502e4					1.3	NO		db		0.000
37	FUNCTION2 PFK	32.02	1.651e4					1.5	NO		bd		0.000

ID: 22L0307-33, Name: 23020731, Date: 08-Feb-2023, Time: 09:56:39, Conditions: AUTOSPEC01, User: pk

PFK2

	Compound	RT	Ion1Area	Ion2Area	RRF	Ratio	Pred R	S/N 1	SNFlag	EMPC	Int.1	Int.2	pg
38	FUNCTION2 PFK	31.90	7.815e3					0.8	NO		bb		0.000

PFK3

	Compound	RT	Ion1Area	Ion2Area	RRF	Ratio	Pred R	S/N 1	SNFlag	EMPC	Int.1	Int.2	pg
1	FUNCTION3 PFK	34.48	3.414e3					0.7	NO		bb		0.000
2	FUNCTION3 PFK	34.44	5.630e3					0.9	NO		db		0.000
3	FUNCTION3 PFK	34.39	8.732e3					1.2	NO		bd		0.000
4	FUNCTION3 PFK	34.29	6.751e3					0.9	NO		bb		0.000
5	FUNCTION3 PFK	33.95	9.633e3					1.3	NO		bb		0.000
6	FUNCTION3 PFK	33.90	5.412e3					0.8	NO		bb		0.000
7	FUNCTION3 PFK	33.28	1.454e3					0.4	NO		bb		0.000
8	FUNCTION3 PFK	33.05	2.303e4					1.5	NO		bb		0.000
9	FUNCTION3 PFK	32.97	1.239e4					2.0	NO		bb		0.000
10	FUNCTION3 PFK	37.82	4.735e3					0.8	NO		bb		0.000
11	FUNCTION3 PFK	37.54	6.636e3					1.0	NO		bb		0.000
12	FUNCTION3 PFK	37.46	7.362e3					0.8	NO		bb		0.000
13	FUNCTION3 PFK	37.37	1.065e4					0.9	NO		db		0.000
14	FUNCTION3 PFK	37.30	1.100e4					1.2	NO		dd		0.000
15	FUNCTION3 PFK	37.26	6.913e3					0.9	NO		bd		0.000
16	FUNCTION3 PFK	37.06	2.163e3					0.6	NO		bb		0.000
17	FUNCTION3 PFK	36.81	8.339e3					0.8	NO		bb		0.000
18	FUNCTION3 PFK	36.66	4.909e4					1.6	NO		bb		0.000
19	FUNCTION3 PFK	36.57	2.818e4					2.2	NO		db		0.000
20	FUNCTION3 PFK	36.52	1.418e4					1.6	NO		bd		0.000
21	FUNCTION3 PFK	35.59	5.548e3					0.9	NO		bb		0.000
22	FUNCTION3 PFK	34.71	1.542e3					0.4	NO		bb		0.000

ID: 22L0307-33, Name: 23020731, Date: 08-Feb-2023, Time: 09:56:39, Conditions: AUTOSPEC01, User: pk

PFK4

	Compound	RT	Ion1Area	Ion2Area	RRF	Ratio	Pred R	S/N 1	SNFlag	EMPC	Int.1	Int.2	pg
1	FUNCTION4 PFK	38.11	2.738e5					23.9	YES		dd		
2	FUNCTION4 PFK	38.07	2.679e5					25.1	YES		bd		
3	FUNCTION4 PFK	39.66	1.716e4					1.9	NO		bd		
4	FUNCTION4 PFK	39.51	1.584e4					2.1	NO		db		
5	FUNCTION4 PFK	39.44	3.738e4					3.5	YES		dd		
6	FUNCTION4 PFK	39.40	2.989e4					4.1	YES		dd		
7	FUNCTION4 PFK	39.30	8.722e4					6.0	YES		dd		
8	FUNCTION4 PFK	39.20	1.634e5					7.7	YES		dd		
9	FUNCTION4 PFK	39.03	2.447e5					11.1	YES		dd		
10	FUNCTION4 PFK	38.96	1.350e5					12.1	YES		dd		
11	FUNCTION4 PFK	38.85	1.947e5					13.5	YES		dd		
12	FUNCTION4 PFK	38.82	1.075e5					13.8	YES		dd		
13	FUNCTION4 PFK	38.73	2.324e5					15.5	YES		dd		
14	FUNCTION4 PFK	38.58	4.199e5					17.8	YES		dd		
15	FUNCTION4 PFK	38.46	4.023e5					19.7	YES		dd		
16	FUNCTION4 PFK	38.31	4.952e5					22.1	YES		dd		
17	FUNCTION4 PFK	38.28	4.006e5					23.0	YES		dd		
18	FUNCTION4 PFK	38.18	1.764e5					22.5	YES		dd		
19	FUNCTION4 PFK	41.40	4.027e3					0.9	NO		bd		
20	FUNCTION4 PFK	41.36	7.581e3					1.1	NO		db		
21	FUNCTION4 PFK	41.30	1.315e4					1.3	NO		bd		
22	FUNCTION4 PFK	41.04	8.432e2					0.4	NO		bb		
23	FUNCTION4 PFK	40.84	1.642e4					1.5	NO		bb		
24	FUNCTION4 PFK	40.77	4.489e3					1.0	NO		bb		
25	FUNCTION4 PFK	40.67	7.008e2					0.4	NO		bb		
26	FUNCTION4 PFK	40.62	6.335e3					1.6	NO		bb		
27	FUNCTION4 PFK	40.41	2.910e3					0.8	NO		bb		
28	FUNCTION4 PFK	40.33	1.796e4					1.5	NO		db		
29	FUNCTION4 PFK	40.22	6.085e3					1.4	NO		bd		
30	FUNCTION4 PFK	40.03	8.594e3					1.5	NO		db		
31	FUNCTION4 PFK	39.92	4.141e4					3.1	YES		bd		
32	FUNCTION4 PFK	39.86	1.176e3					0.5	NO		db		
33	FUNCTION4 PFK	39.81	1.709e4					1.7	NO		bd		
34	FUNCTION4 PFK	39.73	7.140e3					1.4	NO		db		
35	FUNCTION4 PFK	42.77	1.023e4					2.0	NO		bd		
36	FUNCTION4 PFK	42.65	2.799e3					0.8	NO		bb		
37	FUNCTION4 PFK	42.56	4.108e3					0.8	NO		db		

ID: 22L0307-33, Name: 23020731, Date: 08-Feb-2023, Time: 09:56:39, Conditions: AUTOSPEC01, User: pk

PFK4

	Compound	RT	Ion1Area	Ion2Area	RRF	Ratio	Pred R	S/N 1	SNFlag	EMPC	Int.1	Int.2	pg
38	FUNCTION4 PFK	42.41	3.648e4					2.3	NO		bd		
39	FUNCTION4 PFK	42.35	1.109e3					0.6	NO		bb		
40	FUNCTION4 PFK	42.20	1.134e4					1.2	NO		bb		
41	FUNCTION4 PFK	42.01	7.034e3					1.4	NO		bb		
42	FUNCTION4 PFK	41.96	7.354e2					0.4	NO		bb		
43	FUNCTION4 PFK	41.91	3.010e3					0.8	NO		bb		
44	FUNCTION4 PFK	41.79	8.448e3					1.2	NO		bb		
45	FUNCTION4 PFK	41.71	9.831e3					1.3	NO		db		
46	FUNCTION4 PFK	41.65	8.834e2					0.4	NO		bd		
47	FUNCTION4 PFK	41.61	2.596e3					0.7	NO		bb		
48	FUNCTION4 PFK	41.56	1.908e3					0.7	NO		bb		
49	FUNCTION4 PFK	41.51	3.294e3					0.7	NO		bb		
50	FUNCTION4 PFK	41.45	4.404e3					0.9	NO		db		
51	FUNCTION4 PFK	42.87	1.040e3					0.5	NO		bb		
52	FUNCTION4 PFK	42.82	8.134e3					1.3	NO		db		

ID: 22L0307-33, Name: 23020731, Date: 08-Feb-2023, Time: 09:56:39, Conditions: AUTOSPEC01, User: pk

PFK5

	Compound	RT	Ion1Area	Ion2Area	RRF	Ratio	Pred R	S/N 1	SNFlag	EMPC	Int.1	Int.2	pg
1	FUNCTION5 PFK	44.88	8.258e3					1.5	NO		bb		
2	FUNCTION5 PFK	44.79	2.737e3					0.9	NO		bb		
3	FUNCTION5 PFK	44.55	7.498e3					1.9	NO		bb		
4	FUNCTION5 PFK	44.49	2.432e3					0.8	NO		bb		
5	FUNCTION5 PFK	44.33	4.854e3					1.1	NO		bb		
6	FUNCTION5 PFK	43.88	7.383e3					1.2	NO		bb		
7	FUNCTION5 PFK	43.73	3.776e3					1.2	NO		db		
8	FUNCTION5 PFK	43.70	1.284e3					0.7	NO		bd		
9	FUNCTION5 PFK	43.61	1.737e3					0.9	NO		bb		
10	FUNCTION5 PFK	43.39	6.193e3					1.7	NO		db		
11	FUNCTION5 PFK	43.33	2.731e4					2.8	NO		dd		
12	FUNCTION5 PFK	43.22	2.599e4					2.7	NO		bd		
13	FUNCTION5 PFK	43.06	1.002e3					0.8	NO		bb		
14	FUNCTION5 PFK	46.47	5.541e2					0.4	NO		bb		
15	FUNCTION5 PFK	46.44	3.269e3					1.2	NO		db		
16	FUNCTION5 PFK	46.40	3.438e3					1.1	NO		bd		
17	FUNCTION5 PFK	45.79	1.815e3					0.7	NO		db		
18	FUNCTION5 PFK	45.71	9.557e3					1.6	NO		bd		
19	FUNCTION5 PFK	45.63	7.691e3					1.8	NO		db		
20	FUNCTION5 PFK	45.59	4.006e3					1.1	NO		bd		
21	FUNCTION5 PFK	45.49	6.135e2					0.5	NO		bb		
22	FUNCTION5 PFK	45.32	4.553e3					1.2	NO		bb		

ETHERS1

	Compound	RT	Ion1Area	Ion2Area	RRF	Ratio	Pred R	S/N 1	SNFlag	EMPC	Int.1	Int.2	pg
1	FUNCTION1 HXCD...	27.09	9.823e1					2.4	NO		bb		0.000
2	FUNCTION1 HXCD...	26.88	7.124e1					2.0	NO		bb		0.000
3	FUNCTION1 HXCD...	25.67	8.545e1					2.3	NO		bb		0.000
4	FUNCTION1 HXCD...	24.14	8.210e1					2.0	NO		db		0.000
5	FUNCTION1 HXCD...	24.01	1.101e2					2.2	NO		bd		0.000
6	FUNCTION1 HXCD...	22.03	8.446e1					1.6	NO		bb		0.000

ID: 22L0307-33, Name: 23020731, Date: 08-Feb-2023, Time: 09:56:39, Conditions: AUTOSPEC01, User: pk

ETHERS2

	Compound	RT	Ion1Area	Ion2Area	RRF	Ratio	Pred R	S/N 1	SNFlag	EMPC	Int.1	Int.2	pg
1	FUNCTION1 HPCD...	28.16	7.834e1					2.3	NO		bb		0.000
2	FUNCTION1 HPCD...	28.03	8.708e1					2.1	NO		bb		0.000
3	FUNCTION1 HPCD...	27.51	7.888e1					1.8	NO		db		0.000
4	FUNCTION1 HPCD...	27.36	1.380e2					2.0	NO		dd		0.000
5	FUNCTION1 HPCD...	27.24	1.493e2					3.3	YES		bd		0.000
6	FUNCTION1 HPCD...	24.07	8.563e1					1.4	NO		bb		0.000
7	FUNCTION1 HPCD...	22.68	1.590e2					3.1	YES		bb		0.000
8	FUNCTION1 HPCD...	21.57	9.466e1					2.0	NO		db		0.000
9	FUNCTION1 HPCD...	21.47	1.342e2					2.5	NO		dd		0.000
10	FUNCTION1 HPCD...	21.35	1.387e2					2.2	NO		bd		0.000

ETHERS3

	Compound	RT	Ion1Area	Ion2Area	RRF	Ratio	Pred R	S/N 1	SNFlag	EMPC	Int.1	Int.2	pg
1	FUNCTION2 HPCD...	31.84	7.204e1					2.5	NO		bd		0.000
2	FUNCTION2 HPCD...	30.01	9.234e1					2.3	NO		bb		0.000
3	FUNCTION2 HPCD...	29.86	9.208e1					3.8	YES		bb		0.000
4	FUNCTION2 HPCD...	29.28	1.101e2					1.9	NO		bb		0.000
5	FUNCTION2 HPCD...	32.44	7.155e1					2.0	NO		bb		0.000
6	FUNCTION2 HPCD...	31.95	1.316e2					2.7	NO		db		0.000

ETHERS4

	Compound	RT	Ion1Area	Ion2Area	RRF	Ratio	Pred R	S/N 1	SNFlag	EMPC	Int.1	Int.2	pg
1	FUNCTION3 OCDPE	37.65	7.807e1					2.2	NO		bb		0.000
2	FUNCTION3 OCDPE	37.54	7.176e1					1.7	NO		bb		0.000
3	FUNCTION3 OCDPE	35.95	1.995e2					4.0	YES		bb		0.000
4	FUNCTION3 OCDPE	34.15	7.879e1					4.8	YES		bb		0.000

ID: 22L0307-33, Name: 23020731, Date: 08-Feb-2023, Time: 09:56:39, Conditions: AUTOSPEC01, User: pk

ETHERS5

	Compound	RT	Ion1Area	Ion2Area	RRF	Ratio	Pred R	S/N 1	SNFlag	EMPC	Int.1	Int.2	pg
1	FUNCTION4 NCDPE	42.70	1.648e2					1.3	NO		bb		0.000
2	FUNCTION4 NCDPE	42.50	8.882e1					2.2	NO		bb		0.000
3	FUNCTION4 NCDPE	40.44	8.455e1					1.7	NO		db		0.000
4	FUNCTION4 NCDPE	40.32	1.575e2					2.2	NO		bd		0.000
5	FUNCTION4 NCDPE	39.61	1.171e2					2.6	NO		bb		0.000
6	FUNCTION4 NCDPE	38.66	7.941e1					2.1	NO		bb		0.000

ETHERS6

	Compound	RT	Ion1Area	Ion2Area	RRF	Ratio	Pred R	S/N 1	SNFlag	EMPC	Int.1	Int.2	pg
1	FUNCTION5 DCDPE	45.33	7.005e1					2.2	NO		bb		0.000
2	FUNCTION5 DCDPE	46.40	1.461e2					3.7	YES		bb		0.000
3	FUNCTION5 DCDPE	46.08	1.020e2					3.2	YES		bb		0.000

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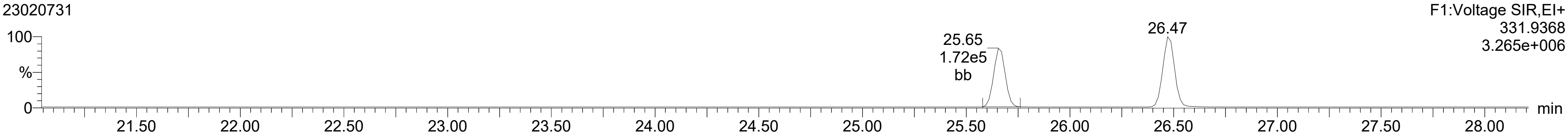
ID: 22L0307-33, Name: 23020731, Date: 08-Feb-2023, Time: 09:56:39, Conditions: AUTOSPEC01, User: pk

13C-1234-TCDD



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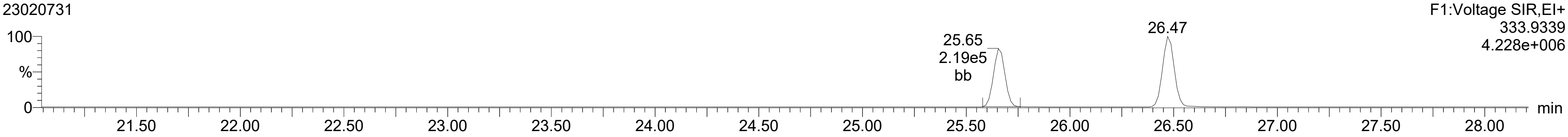

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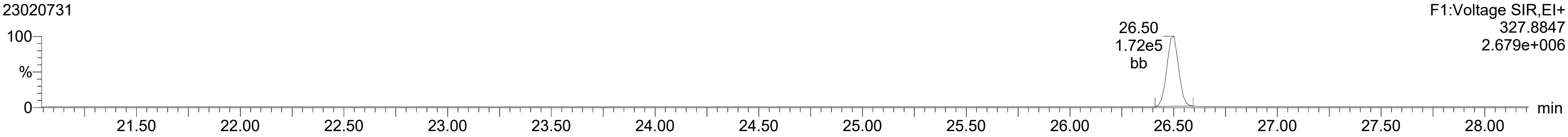

ID: 22L0307-33, Name: 23020731, Date: 08-Feb-2023, Time: 09:56:39, Conditions: AUTOSPEC01, User: pk

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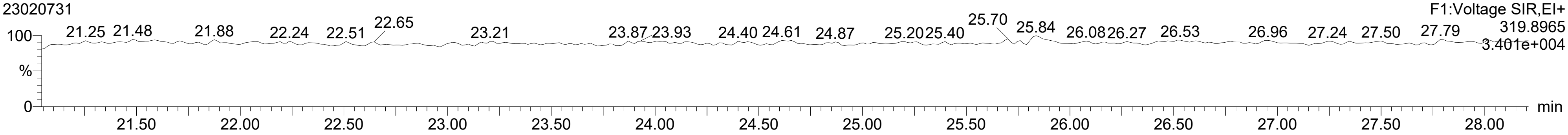

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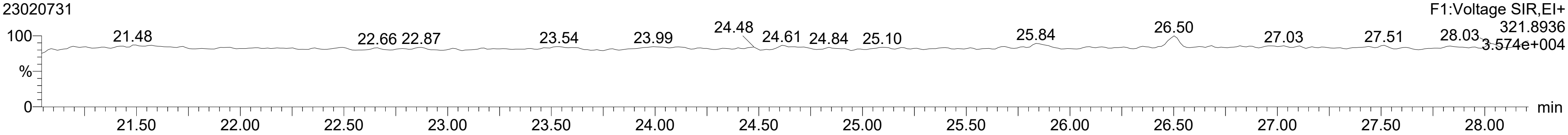

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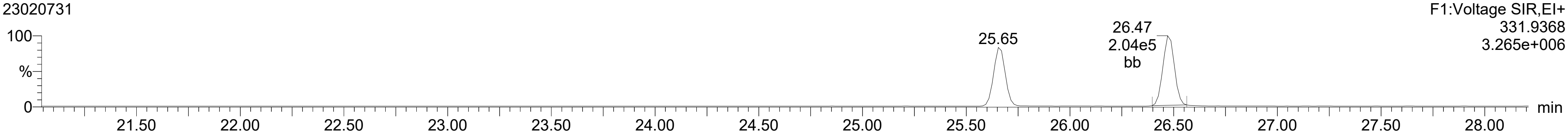
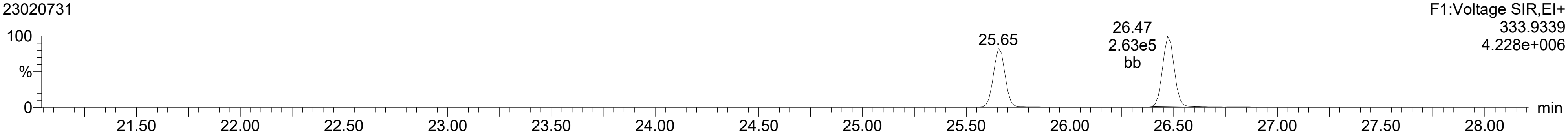


13C-2378-TCDD



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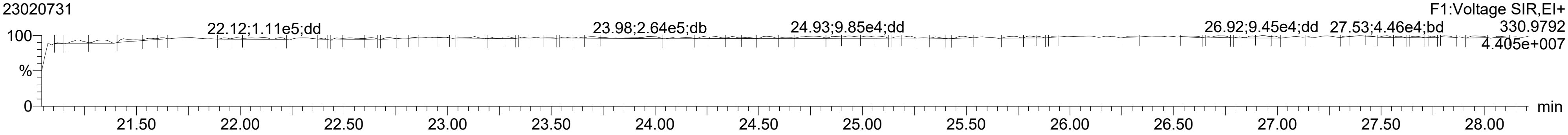

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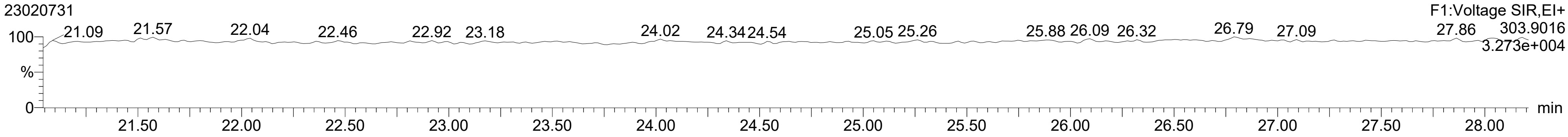
2378-TCDF



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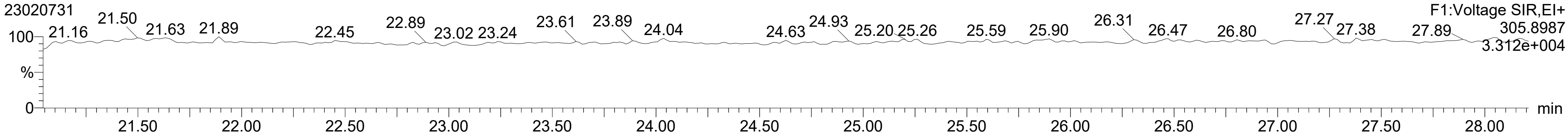

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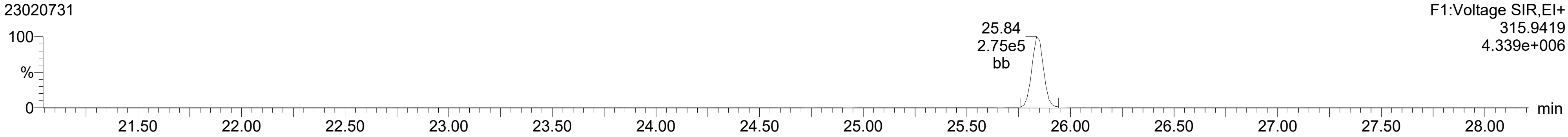

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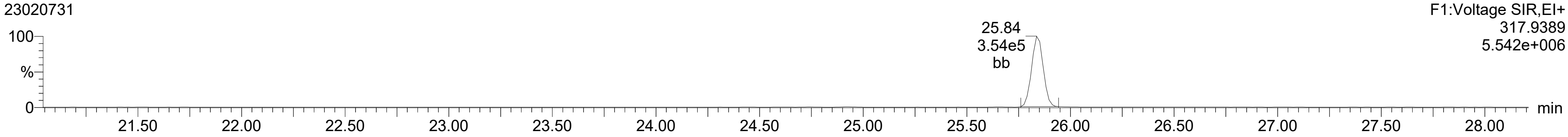

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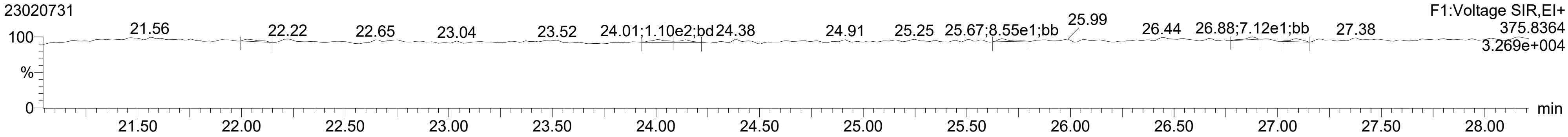

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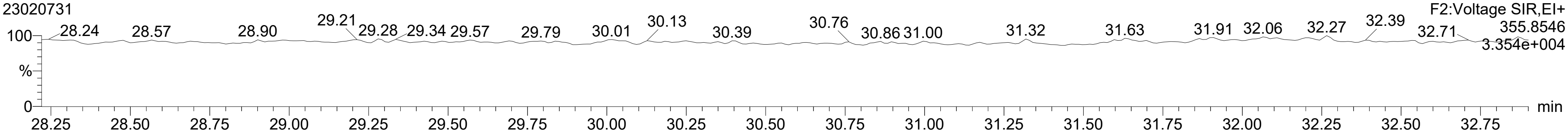
12378-PeCDD



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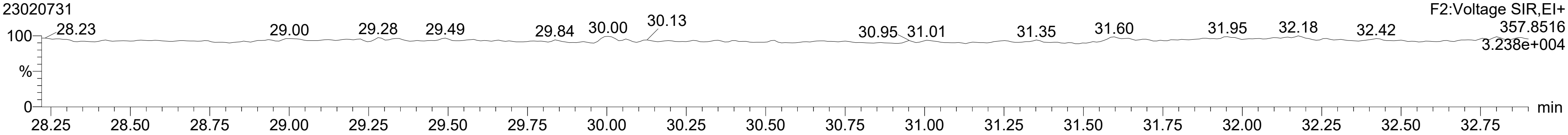

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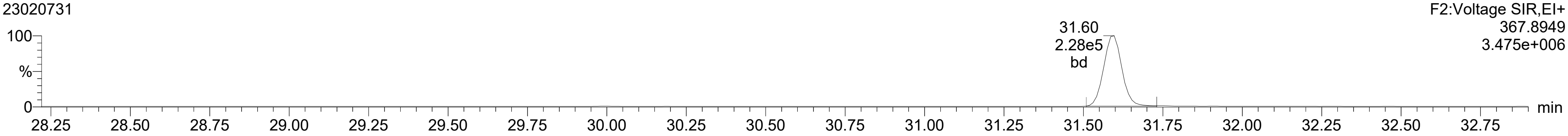

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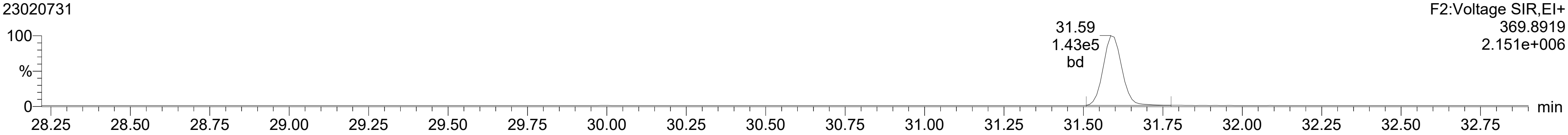

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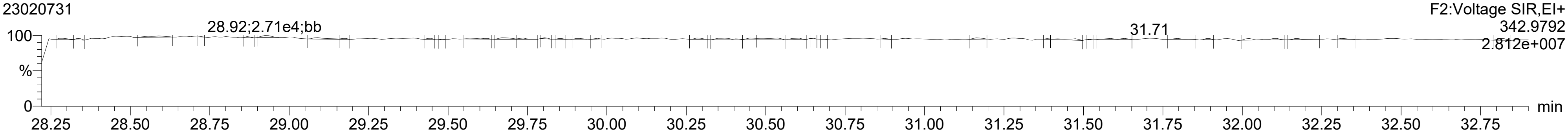

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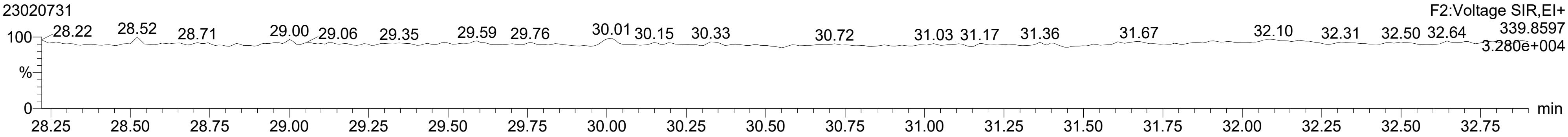

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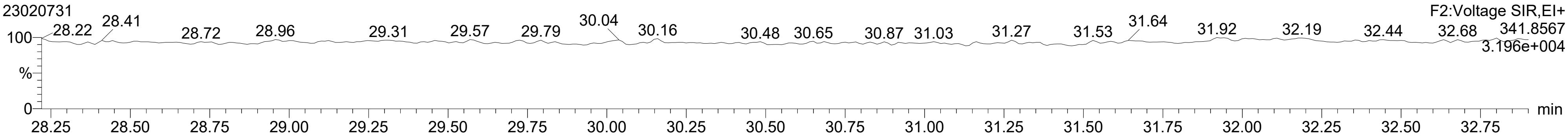

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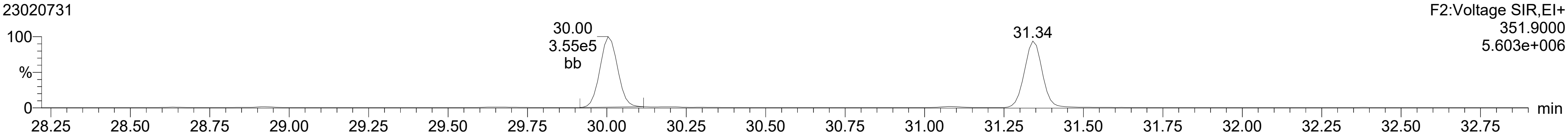

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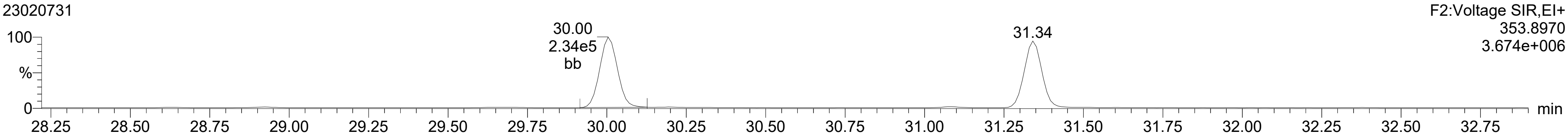

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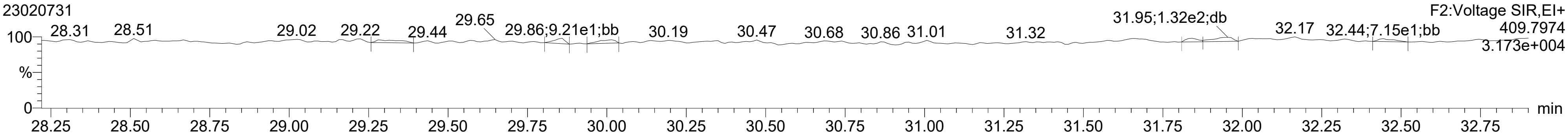

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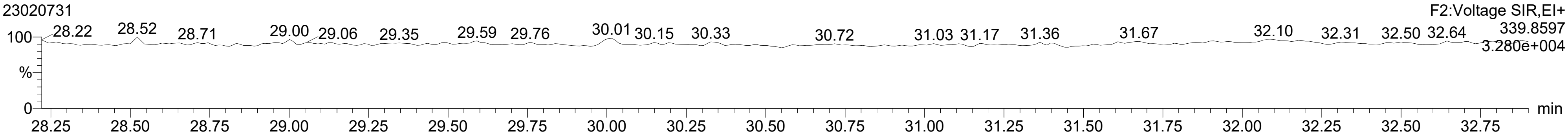

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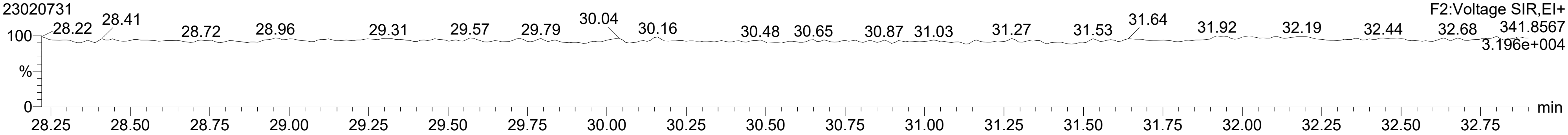

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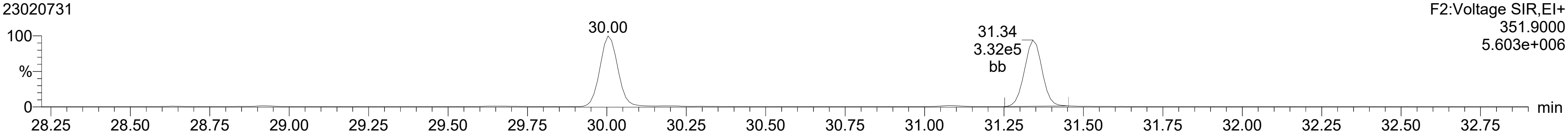

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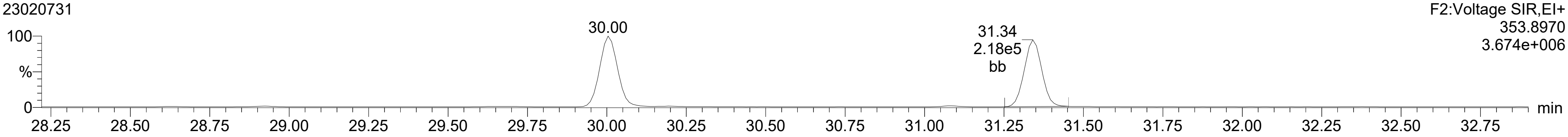

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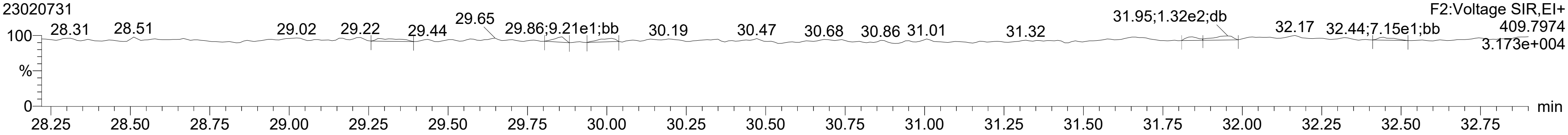

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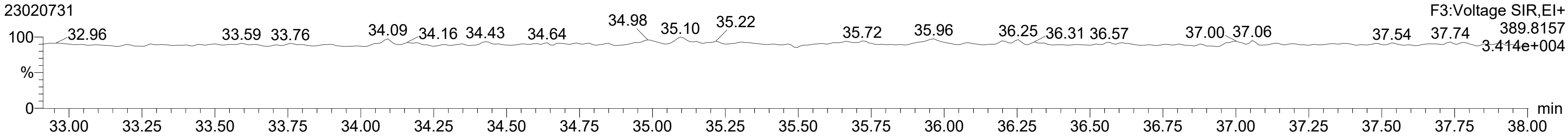

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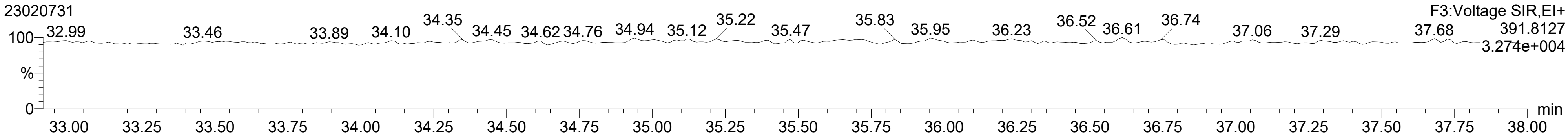

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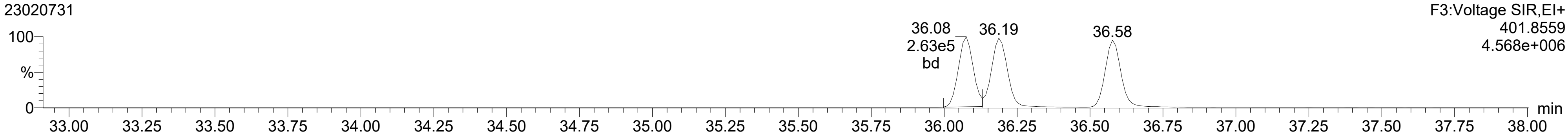

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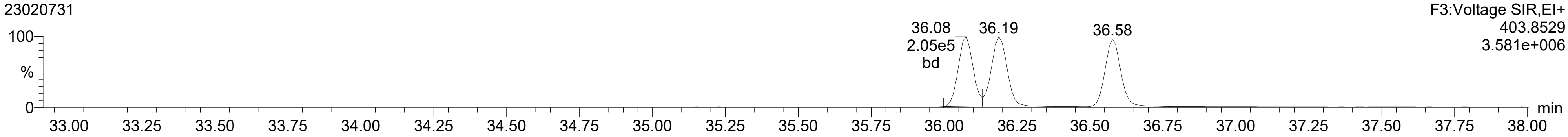

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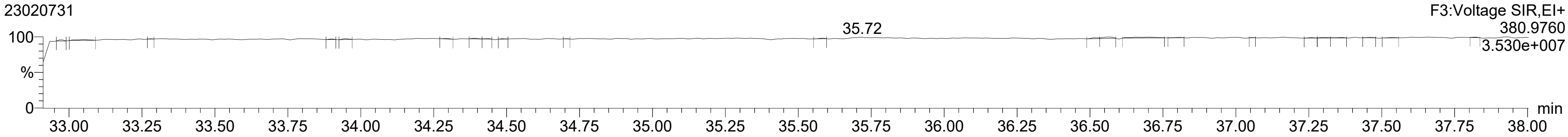

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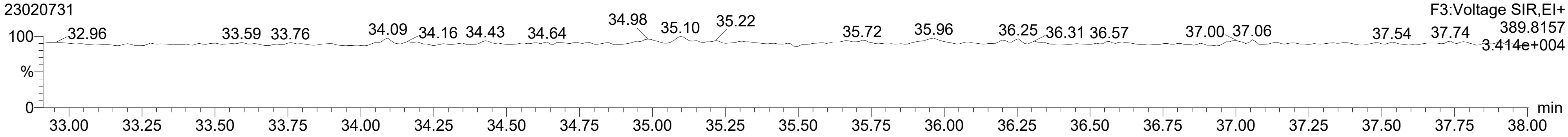

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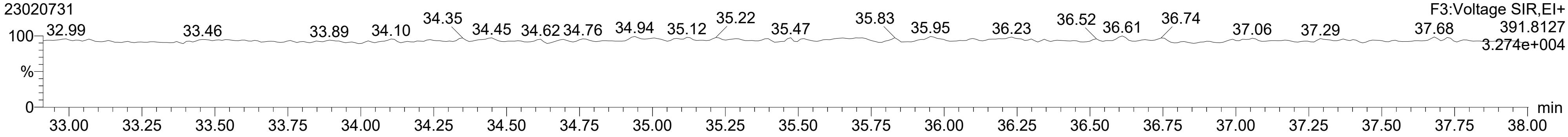

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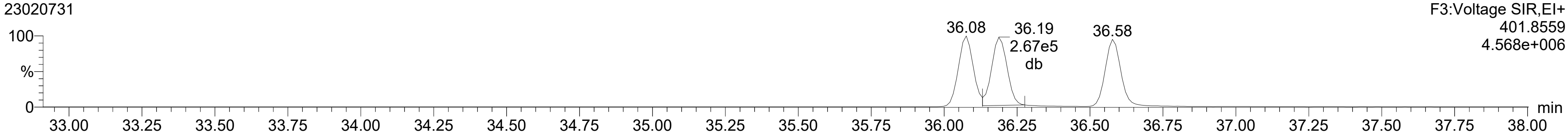

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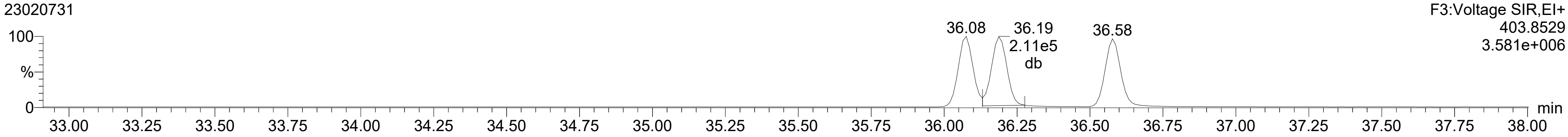

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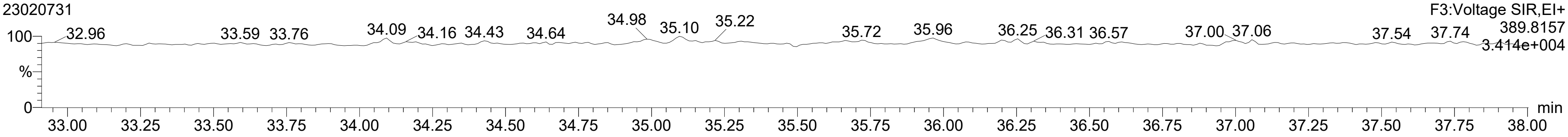

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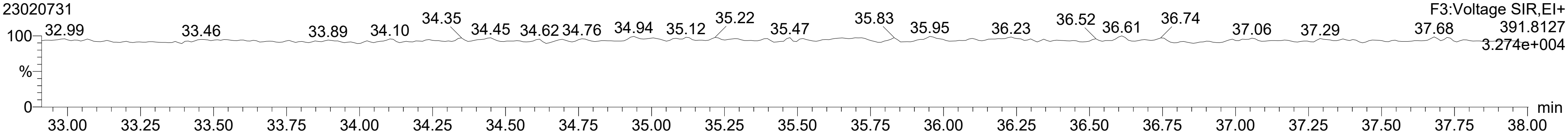

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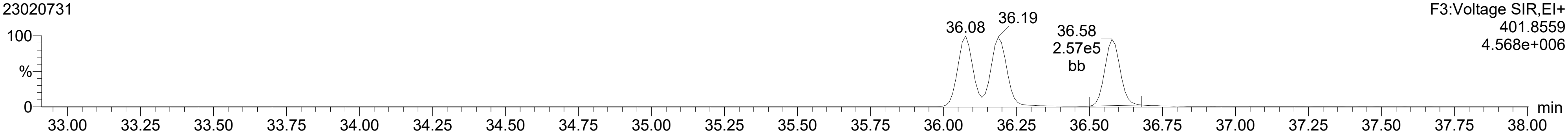

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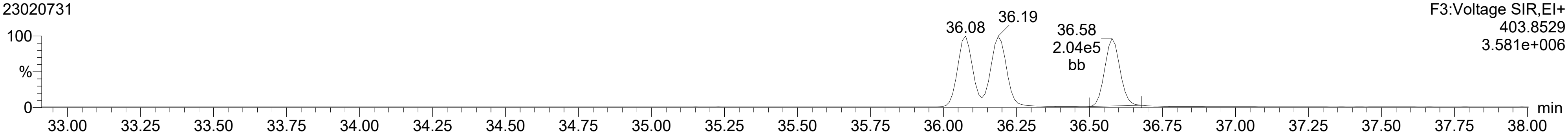

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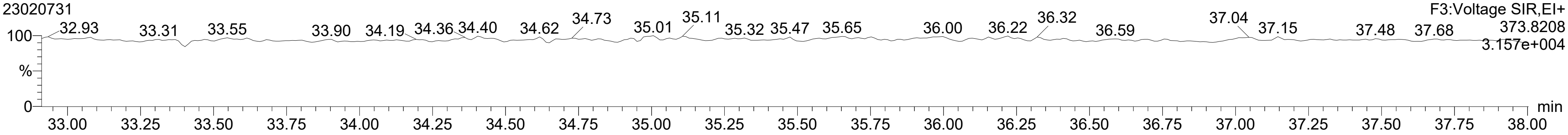

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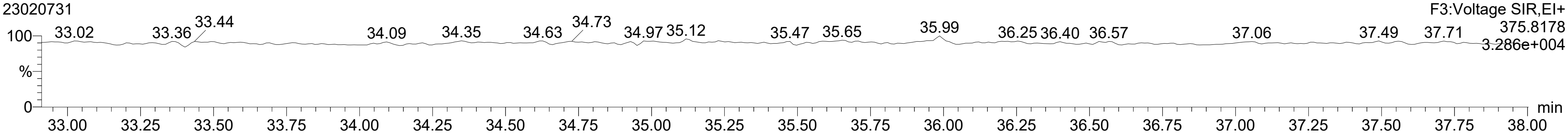

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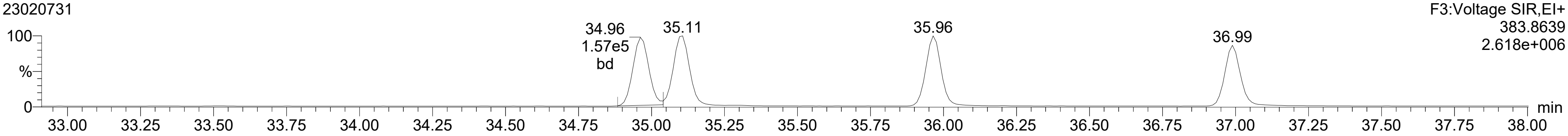

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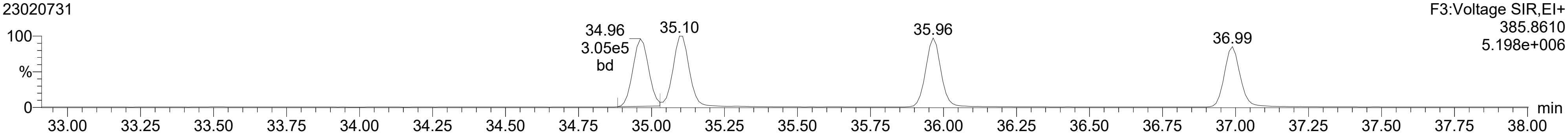
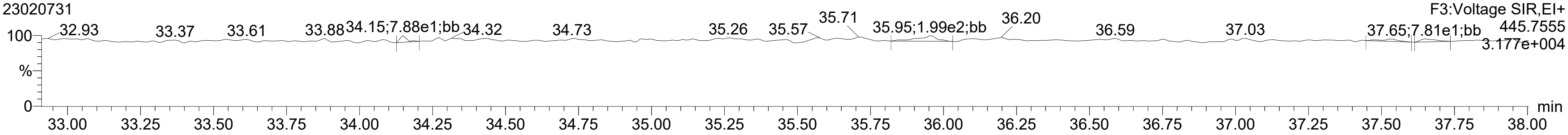


FUNCTION3 OCDPE



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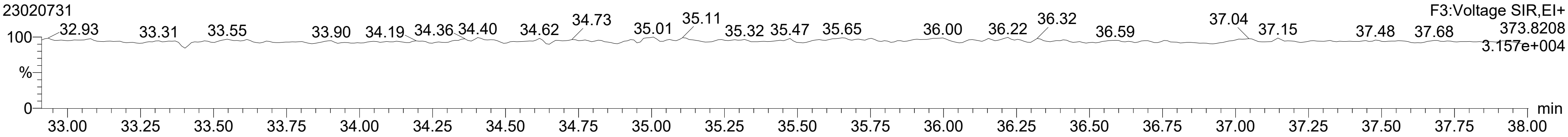
234678-HxCDF



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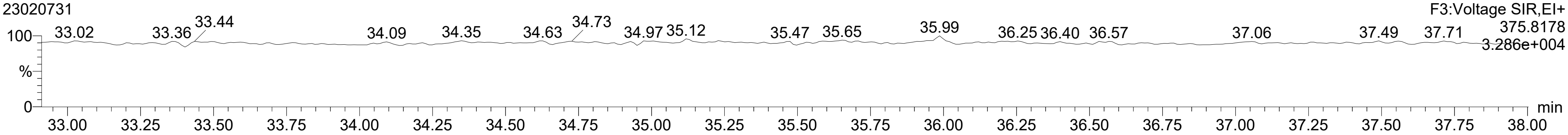

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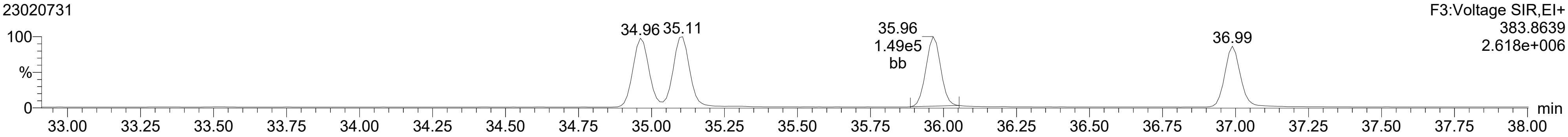

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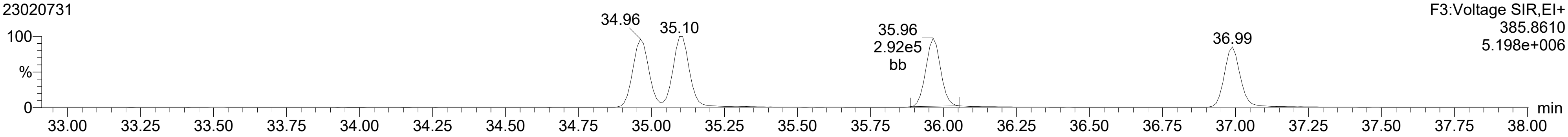

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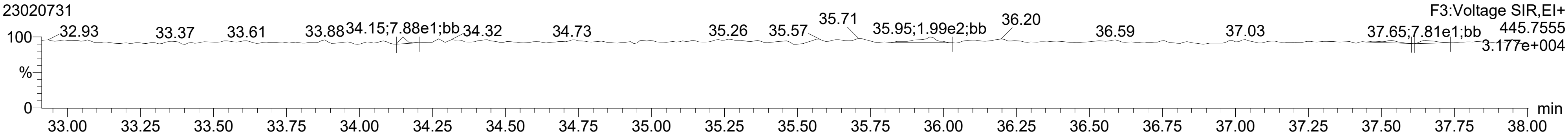

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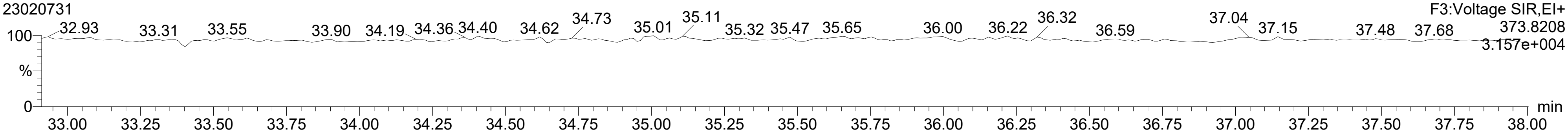

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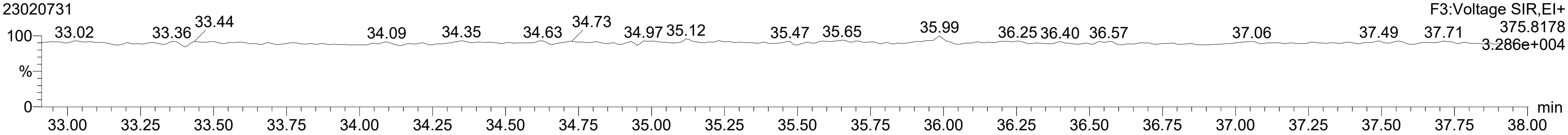

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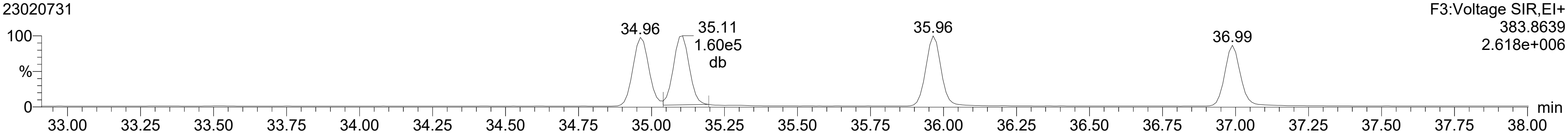

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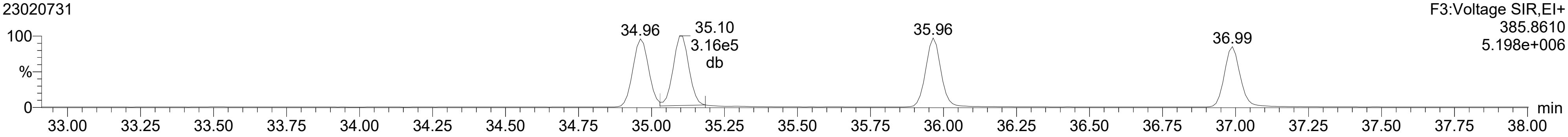

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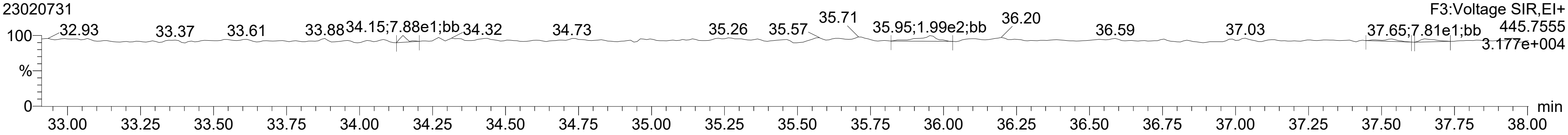

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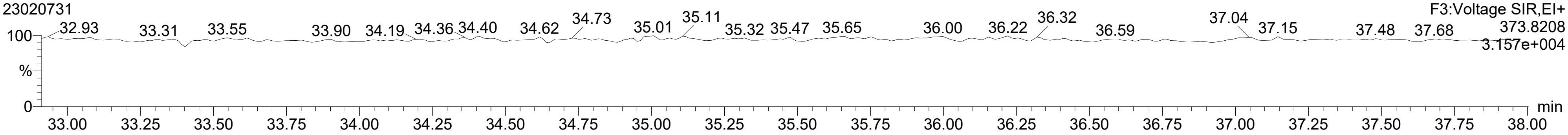

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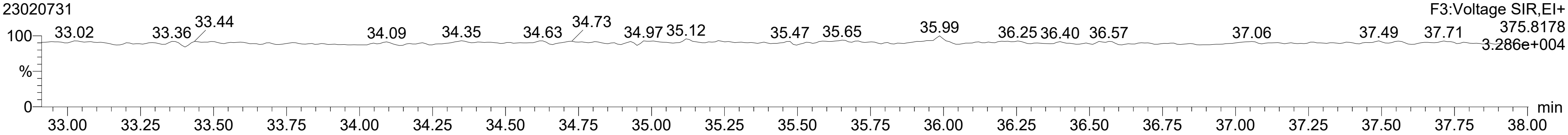

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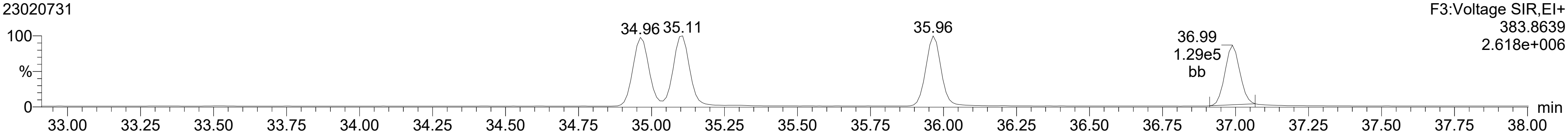

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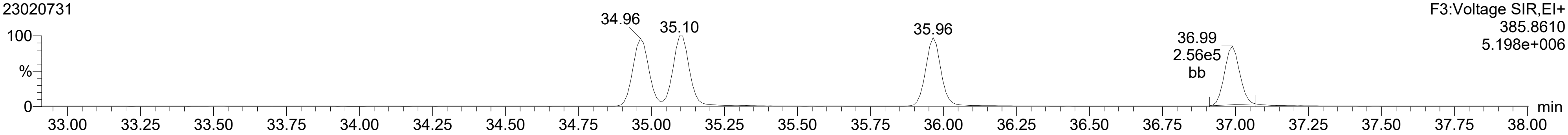

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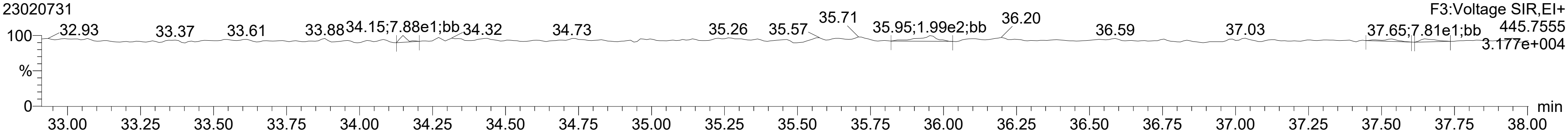

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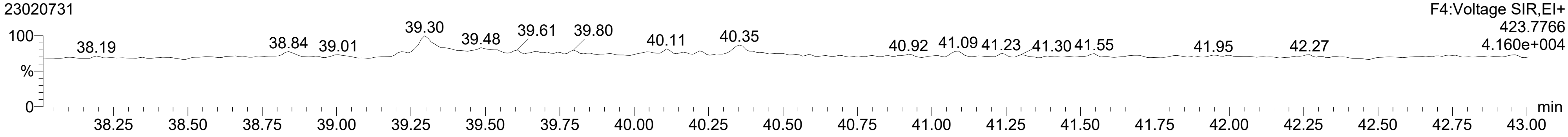
1234678-HpCDD



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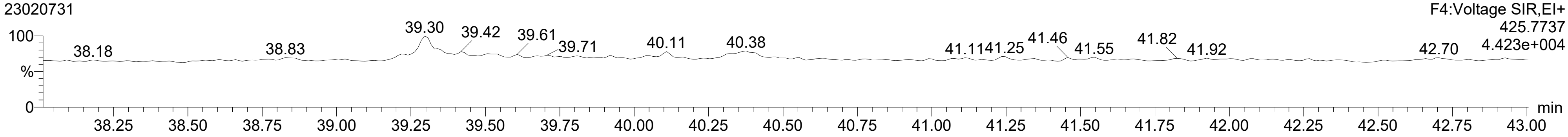

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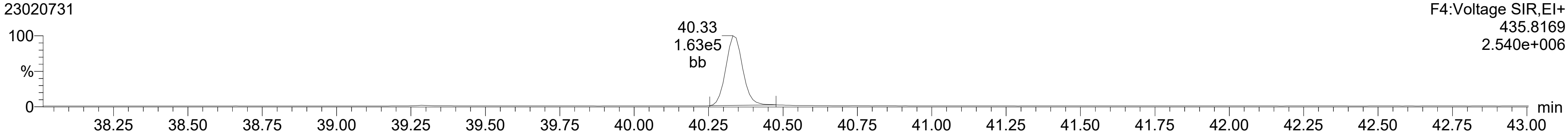

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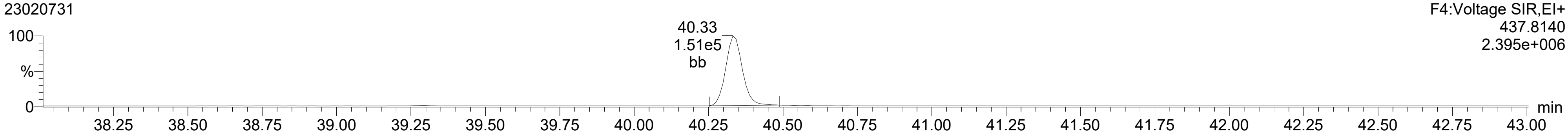

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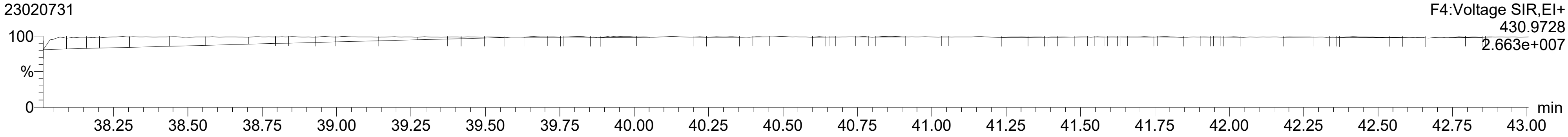

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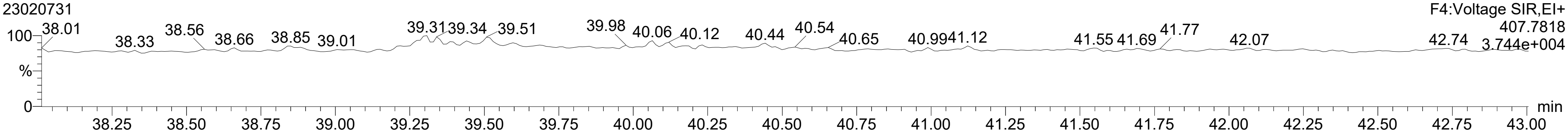

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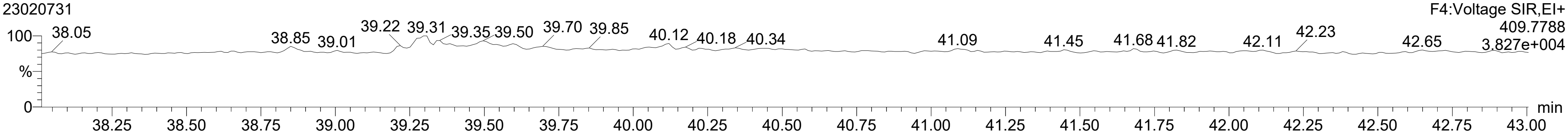

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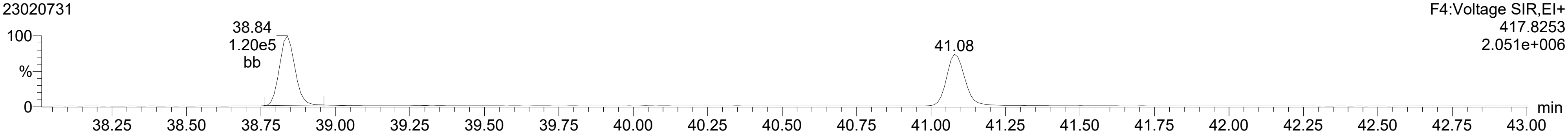

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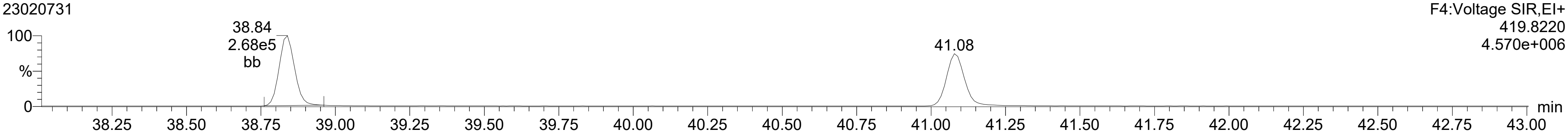
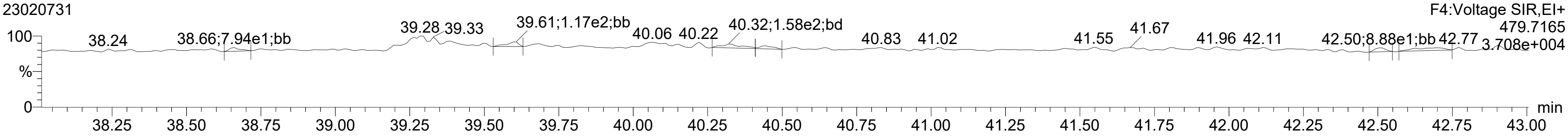
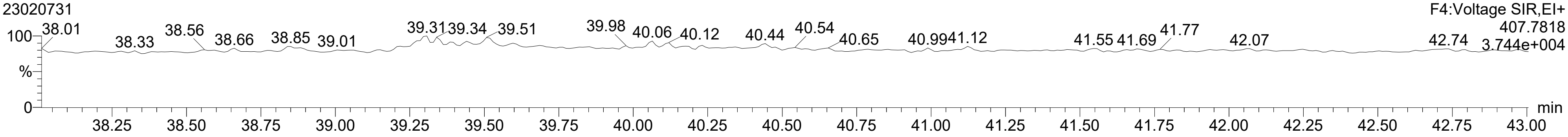


FUNCTION4 NCDPE

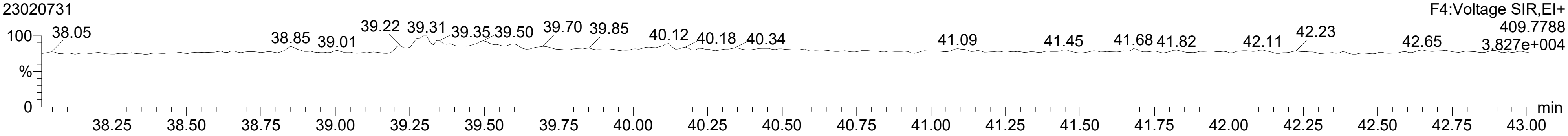


ID: 22L0307-33, Name: 23020731, Date: 08-Feb-2023, Time: 09:56:39, Conditions: AUTOSPEC01, User: pk

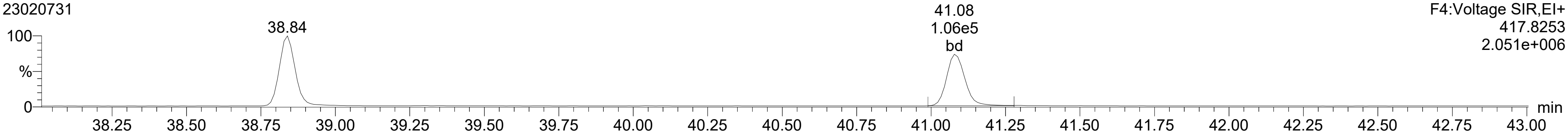
1234789-HpCDF



1234789-HpCDF



13C-1234789-HpCDF



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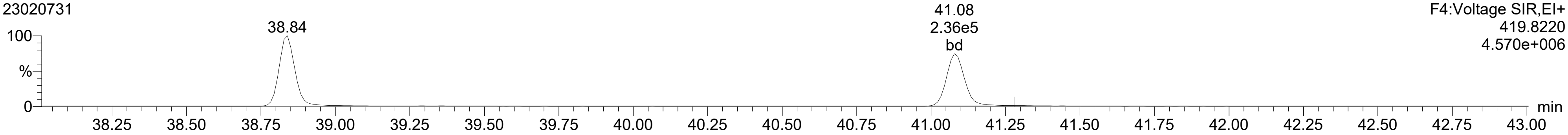
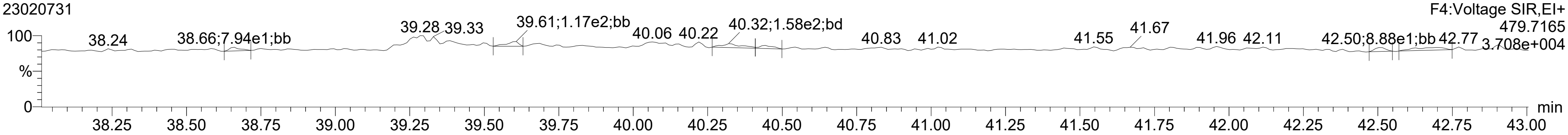
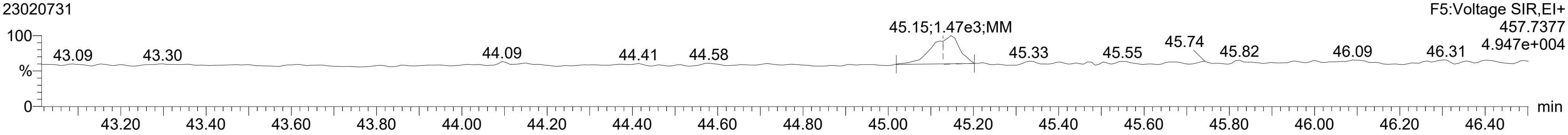


FUNCTION4 NCDPE

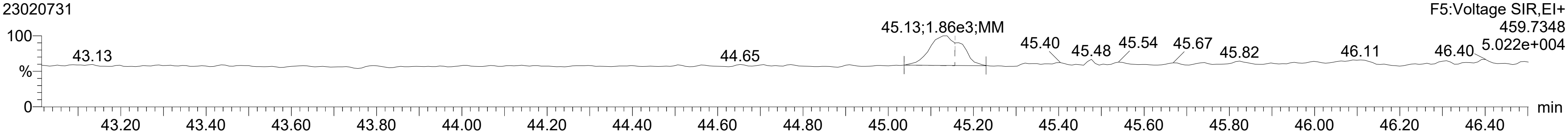


ID: 22L0307-33, Name: 23020731, Date: 08-Feb-2023, Time: 09:56:39, Conditions: AUTOSPEC01, User: pk

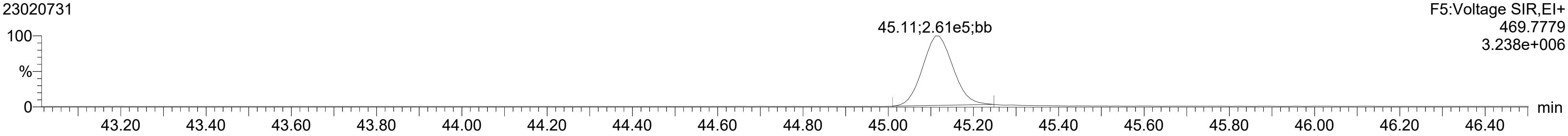
OCDD



OCDD



13C-OCDD



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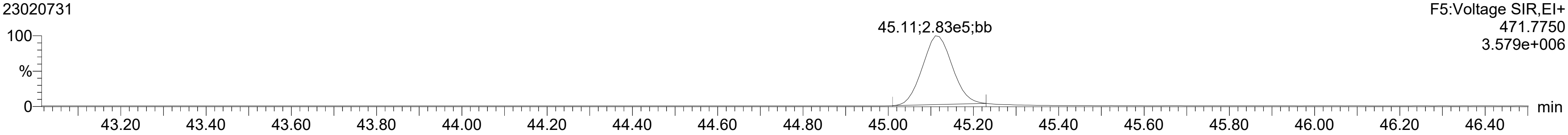
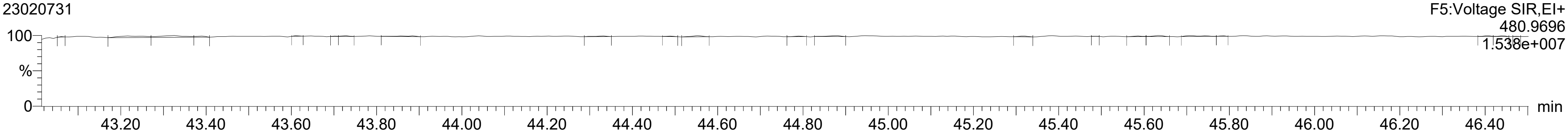
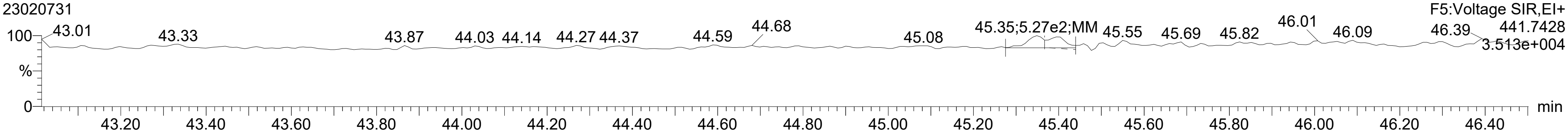


FUNCTION5 PFK

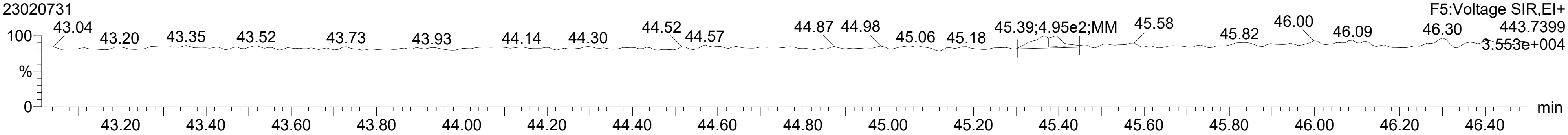


ID: 22L0307-33, Name: 23020731, Date: 08-Feb-2023, Time: 09:56:39, Conditions: AUTOSPEC01, User: pk

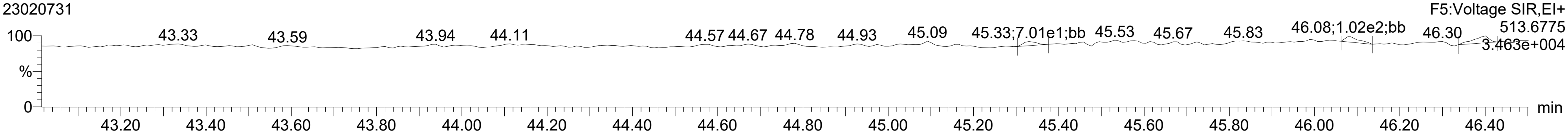
OCDF



OCDF

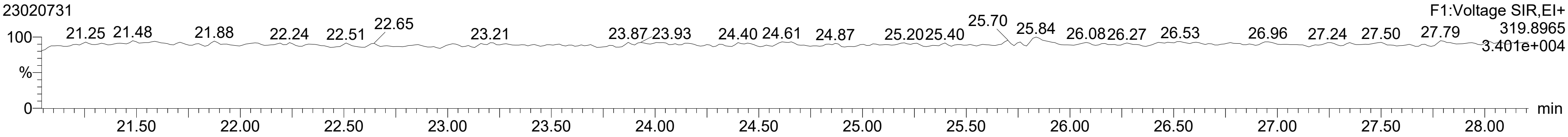


FUNCTION5 DCDPE

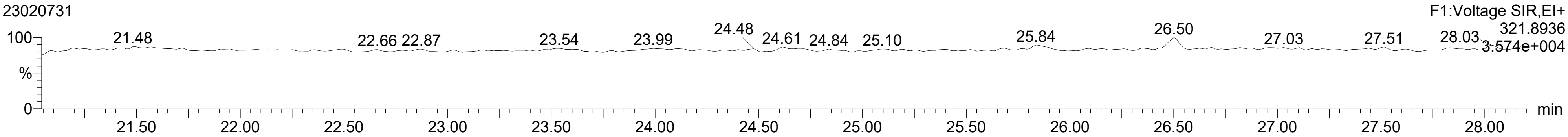


ID: 22L0307-33, Name: 23020731, Date: 08-Feb-2023, Time: 09:56:39, Conditions: AUTOSPEC01, User: pk

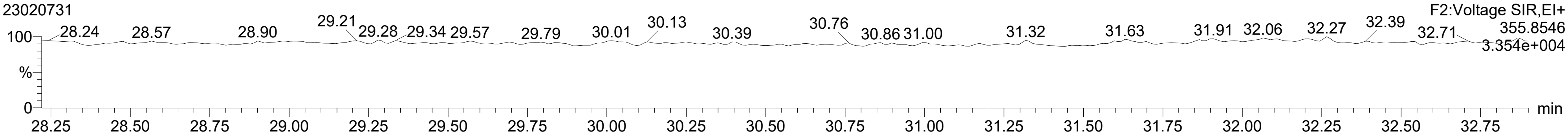
Total-tetradioxins



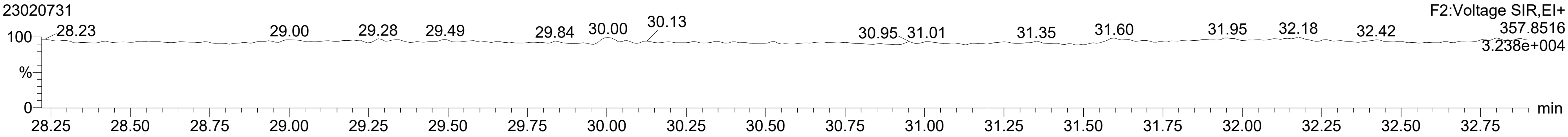
Total-tetradioxins



Total-pentadioxins

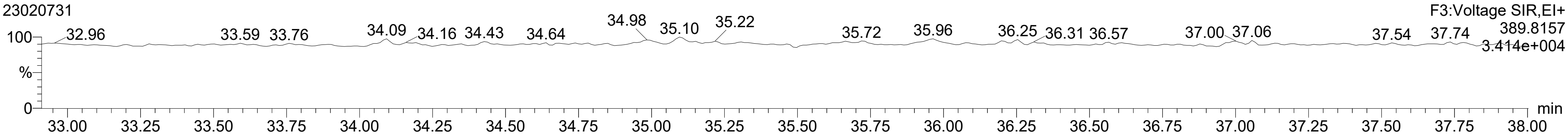


Total-pentadioxins

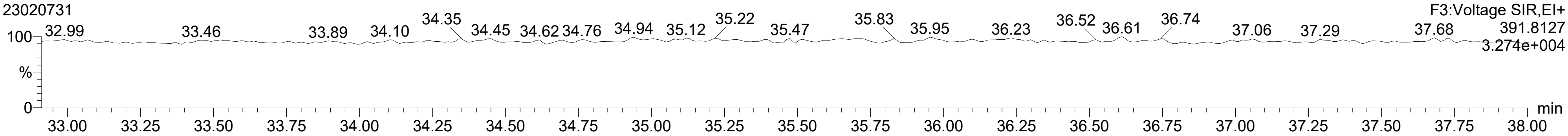


ID: 22L0307-33, Name: 23020731, Date: 08-Feb-2023, Time: 09:56:39, Conditions: AUTOSPEC01, User: pk

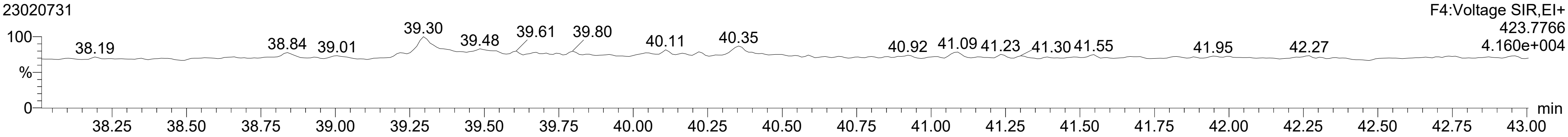
Total-hexadioxins



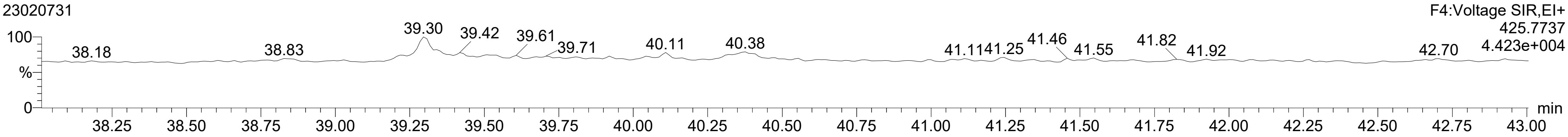
Total-hexadioxins



Total-heptadioxins

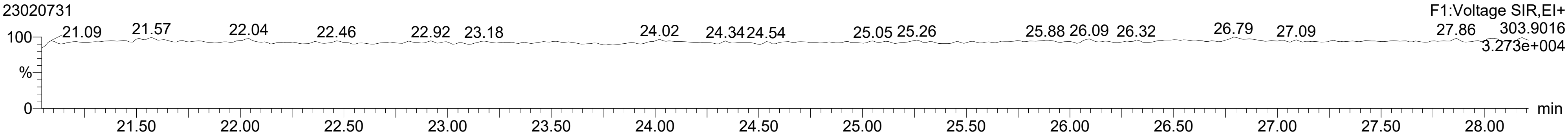


Total-heptadioxins

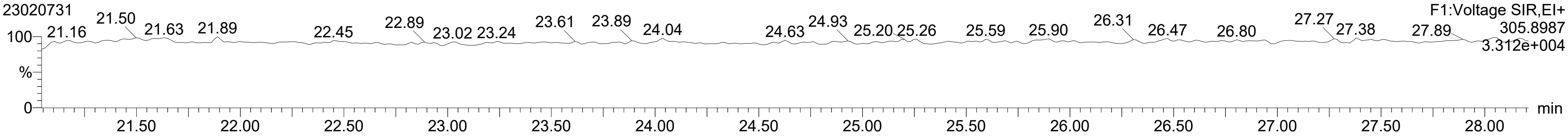


ID: 22L0307-33, Name: 23020731, Date: 08-Feb-2023, Time: 09:56:39, Conditions: AUTOSPEC01, User: pk

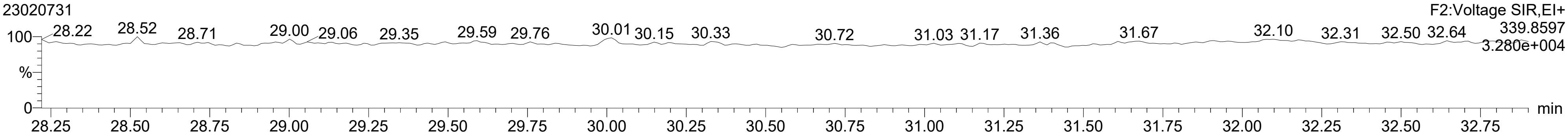
Total-tetrafurans



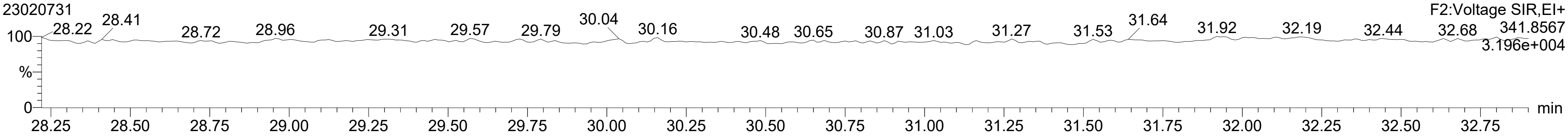
Total-tetrafurans



Total-pentafurans

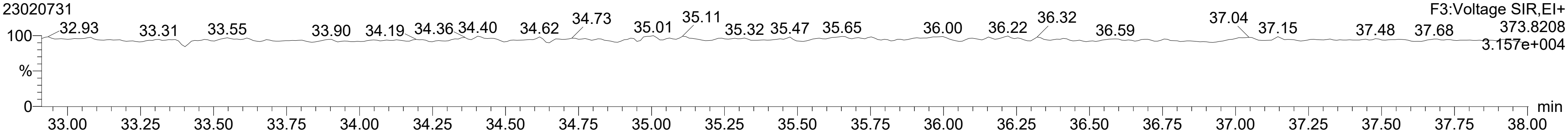


Total-pentafurans

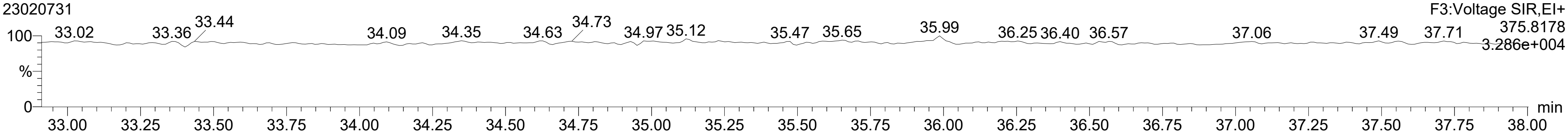


ID: 22L0307-33, Name: 23020731, Date: 08-Feb-2023, Time: 09:56:39, Conditions: AUTOSPEC01, User: pk

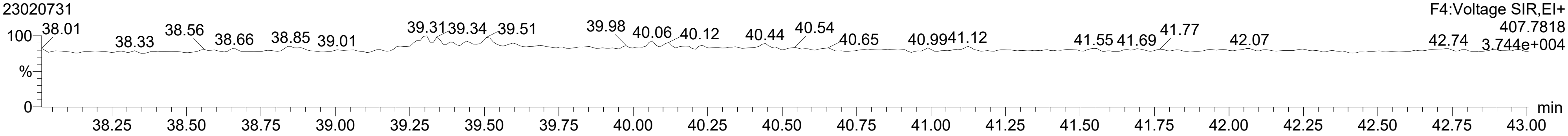
Total-hexafurans



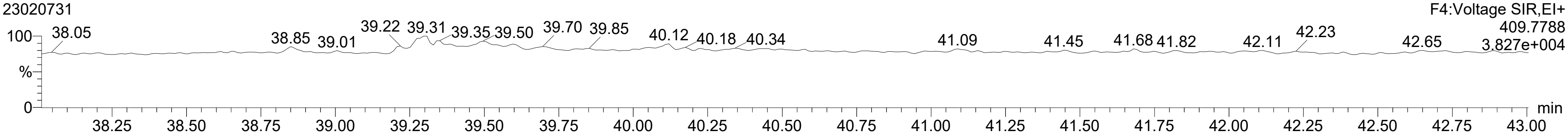
Total-hexafurans



Total-heptafurans



Total-heptafurans



LDW22-IT808F

Form 1
ORGANIC ANALYSIS DATA SHEET
EPA 1613B
Dioxins/Furans by HRGC/HRMS

Laboratory:	Analytical Resources, LLC			SDG:	22L0307
Client:	Anchor QEA, LLC				
Project:	AOC4 UR Phase 3				
Matrix:	Sediment	Laboratory ID:	22L0307-34 A	File ID:	23020732
Sampled:	12/12/22 09:46	Prepared:	12/27/22 14:20	Analyzed:	02/08/23 10:46
% Solids:	79.63	Preparation:	EPA 8290	Initial/Final:	12.57 g Wet / 20 uL
Result Basis:	Dry	Sequence:	SLB0072	Calibration:	GB00010
Batch:	BKL0420	Instrument:	AUTOSPEC01	Column:	RTX-Dioxin2

CAS NO.	COMPOUND	DF/Split	Ion Ratio	Ratio Limits	EDL	RL	Result	Units	Q
51207-31-9	2,3,7,8-TCDF	1		0.655-0.886	0.130	0.999	ND	ng/kg	U
1746-01-6	2,3,7,8-TCDD	1		0.655-0.886	0.114	0.999	ND	ng/kg	U
57117-41-6	1,2,3,7,8-PeCDF	1		1.318-1.783	0.168	0.999	ND	ng/kg	U
57117-31-4	2,3,4,7,8-PeCDF	1		1.318-1.783	0.166	0.999	ND	ng/kg	U
40321-76-4	1,2,3,7,8-PeCDD	1		1.318-1.783	0.210	0.999	ND	ng/kg	U
70648-26-9	1,2,3,4,7,8-HxCDF	1		1.054-1.426	0.131	0.999	ND	ng/kg	U
57117-44-9	1,2,3,6,7,8-HxCDF	1		1.054-1.426	0.121	0.999	ND	ng/kg	U
60851-34-5	2,3,4,6,7,8-HxCDF	1		1.054-1.426	0.133	0.999	ND	ng/kg	U
72918-21-9	1,2,3,7,8,9-HxCDF	1		1.054-1.426	0.160	0.999	ND	ng/kg	U
39227-28-6	1,2,3,4,7,8-HxCDD	1		1.054-1.426	0.147	0.999	ND	ng/kg	U
57653-85-7	1,2,3,6,7,8-HxCDD	1		1.054-1.426	0.141	0.999	ND	ng/kg	U
19408-74-3	1,2,3,7,8,9-HxCDD	1		1.054-1.426	0.146	0.999	ND	ng/kg	U
67562-39-4	1,2,3,4,6,7,8-HpCDF	1		0.893-1.208	0.134	0.999	ND	ng/kg	U
55673-89-7	1,2,3,4,7,8,9-HpCDF	1		0.893-1.208	0.190	0.999	ND	ng/kg	U
35822-46-9	1,2,3,4,6,7,8-HpCDD	1		0.893-1.208	0.186	2.50	ND	ng/kg	U
39001-02-0	OCDF	1		0.757-1.024	0.335	2.50	ND	ng/kg	U
3268-87-9	OCDD	1	0.949	0.757-1.024	0.227	9.99	2.47	ng/kg	J, B

Homologue Groups

55722-27-5	Total TCDF	1	0.000			0.999	ND	ng/kg
41903-57-5	Total TCDD	1	0.000			0.999	ND	ng/kg
30402-15-4	Total PeCDF	1	0.000			0.999	ND	ng/kg
36088-22-9	Total PeCDD	1	0.000			0.999	ND	ng/kg
55684-94-1	Total HxCDF	1	0.000			0.999	ND	ng/kg
34465-46-8	Total HxCDD	1	0.000			0.999	ND	ng/kg
38998-75-3	Total HpCDF	1	0.000			0.999	0.258	ng/kg
37871-00-4	Total HpCDD	1	0.000			0.999	0.311	ng/kg

Total 2,3,7,8-TCDD Equivalence (WHO2005, ND=0, Including EMPC):	0.001
Total 2,3,7,8-TCDD Equivalence (WHO2005, ND=1/2 EDL, Including EMPC):	0.248

LDW22-IT808F

Form 2

ORGANIC ANALYSIS DATA SHEET

EPA 1613B

Dioxins/Furans by HRGC/HRMS

Laboratory:	Analytical Resources, LLC			SDG:	22L0307
Client:	Anchor QEA, LLC			Project:	AOC4 UR Phase 3
Matrix:	Sediment	Laboratory ID:	22L0307-34	File ID:	23020732
Sampled:	12/12/22 09:46	Prepared:	12/27/22 14:20	Analyzed:	02/08/23 10:46
Solids Wt%:	79.63	Preparation:	EPA 8290	Initial/Final:	12.57 g / 20 uL
Result Basis:	Dry	Sequence:	SLB0072	Calibration:	GB00010
Batch:	BKL0420	Instrument:	AUTOSPEC01	Column:	RTX-Dioxin2

Labels	DF/Split	Ion Ratio	Ratio Limits	EDL	% REC	QC LIMITS	Q
13C12-2,3,7,8-TCDF		0.778	0.655-0.886	0.241	96.8	24 - 169 %	
13C12-2,3,7,8-TCDD		0.786	0.655-0.886	0.289	115	25 - 164 %	
13C12-1,2,3,7,8-PeCDF		1.555	1.318-1.783	0.277	105	24 - 185 %	
13C12-2,3,4,7,8-PeCDF		1.543	1.318-1.783	0.288	101	21 - 178 %	
13C12-1,2,3,7,8-PeCDD		1.632	1.318-1.783	0.269	112	25 - 181 %	
13C12-1,2,3,4,7,8-HxCDF		0.508	0.434-0.587	0.304	111	26 - 152 %	
13C12-1,2,3,6,7,8-HxCDF		0.507	0.434-0.587	0.297	109	26 - 123 %	
13C12-2,3,4,6,7,8-HxCDF		0.510	0.434-0.587	0.316	108	28 - 136 %	
13C12-1,2,3,7,8,9-HxCDF		0.503	0.434-0.587	0.346	101	29 - 147 %	
13C12-1,2,3,4,7,8-HxCDD		1.259	1.054-1.426	0.254	126	32 - 141 %	
13C12-1,2,3,6,7,8-HxCDD		1.250	1.054-1.426	0.245	124	28 - 130 %	
13C12-1,2,3,4,6,7,8-HpCDF		0.432	0.374-0.506	0.312	89.6	28 - 143 %	
13C12-1,2,3,4,7,8,9-HpCDF		0.446	0.374-0.506	0.358	86.3	26 - 138 %	
13C12-1,2,3,4,6,7,8-HpCDD		1.032	0.893-1.208	0.287	95.6	23 - 140 %	
13C12-OCDD		0.914	0.757-1.024	0.336	74.9	17 - 157 %	
37Cl4-2,3,7,8-TCDD		328.000		0.115	95.8	35 - 197 %	

* Values outside of QC limits

Dataset: T:\Autospec\Processed Data Batch\230207D2.qld
Last Altered: Wednesday, February 08, 2023 13:13:24 Pacific Standard Time
Printed: Wednesday, February 08, 2023 13:17:51 Pacific Standard Time

Method: T:\Autospec\Methods\Dioxin230206.mdb 07 Feb 2023 09:29:10
Calibration: T:\Autospec\Curves\230201ICIH.cdb 03 Feb 2023 10:33:40

ID: 22L0307-34, Name: 23020732, Date: 08-Feb-2023, Time: 10:46:05, Conditions: AUTOSPEC01, User: pk

Compound	RT	RRT	Ion1Area	Ion2Area	RRF	Ratio	Pred R	Noise 1	Noise 2	Height 1	Height 2	S/N 1	S/N 2	EMPC	Int.1	Int.2	pg
2378-TCDF					0.876		0.770	778	938								
12378-PeCDF					0.845		1.550	964	1046								
23478-PeCDF					0.911		1.550	964	1046								
123478-HxCDF					1.182		1.240	790	945								
234678-HxCDF					1.229		1.240	790	945								
123678-HxCDF					1.248		1.240	790	945								
123789-HxCDF					1.187		1.240	790	945								
1234678-HpCDF					1.204		1.050	630	817								
1234789-HpCDF					1.165		1.050	630	817								
OCDF					1.186		0.890	637	1094								
2378-TCDD					1.236		0.770	918	693								
12378-PeCDD					1.087		1.550	1150	877								
123478-HxCDD					0.987		1.240	903	761								
123678-HxCDD					1.021		1.240	903	761								
123789-HxCDD					0.985		1.240	903	761								
1234678-HpCDD					1.253		1.050	790	765								
OCDD	45.129	1.000	1.382e3	1.456e3	1.103	0.949	0.890	518	572	1.71e4	2.17e4	33.0	37.9	NO	bb	bb	1.235
13C-2378-TCDF	25.836	1.007	2.580e5	3.316e5	1.768	0.778	0.770	2423	1374	3.94e6	5.09e6	1624.4	3702.9	NO	bb	bb	96.836
13C-12378-PeCDF	30.004	1.170	3.359e5	2.160e5	1.527	1.555	1.550	2213	1558	5.17e6	3.34e6	2335.3	2141.6	NO	bb	bb	104.943
13C-23478-PeCDF	31.341	1.222	3.110e5	2.015e5	1.466	1.543	1.550	2213	1558	4.82e6	3.14e6	2178.0	2014.0	NO	bb	bb	101.496
13C-123478-HxCDF	34.962	0.956	1.389e5	2.734e5	1.054	0.508	0.510	1480	1704	2.26e6	4.42e6	1526.4	2593.5	NO	bd	bd	110.831
13C-123678-HxCDF	35.106	0.960	1.399e5	2.761e5	1.080	0.507	0.510	1480	1704	2.31e6	4.49e6	1561.1	2633.8	NO	db	db	109.133
13C-234678-HxCDF	35.965	0.983	1.300e5	2.552e5	1.014	0.510	0.510	1480	1704	2.15e6	4.27e6	1454.7	2509.3	NO	bb	bb	107.592
13C-123789-HxCDF	36.989	1.011	1.112e5	2.212e5	0.928	0.503	0.510	1480	1704	1.83e6	3.68e6	1235.9	2158.2	NO	bb	bb	101.476
13C-1234678-HpCDF	38.839	1.062	9.882e4	2.287e5	1.036	0.432	0.440	1340	1873	1.62e6	3.72e6	1206.4	1985.7	NO	bb	bd	89.550
13C-1234789-HpCDF	41.078	1.123	8.496e4	1.906e5	0.905	0.446	0.440	1340	1873	1.21e6	2.71e6	899.8	1448.3	NO	bb	bd	86.273
13C-1234-TCDD	25.655	0.000	1.494e5	1.950e5	1.000	0.766	0.770	1675	1164	2.32e6	3.01e6	1383.7	2585.2	NO	bb	bb	100.000
13C-2378-TCDD	26.471	1.032	1.925e5	2.448e5	1.103	0.786	0.770	1675	1164	3.01e6	3.83e6	1794.8	3288.4	NO	bb	bb	115.116
13C-12378-PeCDD	31.597	1.232	2.186e5	1.340e5	0.914	1.632	1.550	1040	1150	3.30e6	2.03e6	3175.5	1769.1	NO	bd	bd	111.989
13C-123478-HxCDD	36.076	0.986	2.310e5	1.835e5	0.933	1.259	1.240	1258	1092	3.83e6	3.05e6	3047.0	2793.6	NO	bd	bd	125.859
13C-123678-HxCDD	36.187	0.989	2.342e5	1.874e5	0.965	1.250	1.240	1258	1092	3.86e6	3.13e6	3064.6	2862.7	NO	db	db	123.804
13C-1234678-HpCDD	40.332	1.103	1.340e5	1.299e5	0.782	1.032	1.050	1142	1086	2.04e6	1.94e6	1783.1	1786.9	NO	bb	bd	95.608
13C-OCDD	45.111	1.233	1.991e5	2.178e5	0.788	0.914	0.890	1395	1235	2.50e6	2.72e6	1788.4	2206.1	NO	bb	bb	149.831
13C-123789-HxCDD	36.577	0.000	1.952e5	1.578e5	1.000	1.238	1.240	1258	1092	3.29e6	2.61e6	2615.9	2392.3	NO	bb	bb	100.000
37CL-2378-TCDD	26.502	1.033	1.627e5		1.233			1269		2.46e6		1935.4			bb		38.309

ID: 22L0307-34, Name: 23020732, Date: 08-Feb-2023, Time: 10:46:05, Conditions: AUTOSPEC01, User: pk

Compound	RT	RRT	Ion1Area	Ion2Area	RRF	Ratio	Pred R	Noise 1	Noise 2	Height 1	Height 2	S/N 1	S/N 2	EMPC	Int.1	Int.2	pg
1368-TCDF					1.064		0.770	778	938								
1289-TCDF					0.858		0.770	778	938								
13468-PECDF					1.013		1.550	593	892								
12389-PECDF					0.844		1.550	964	1046								
123468-HXCDF					1.197		1.240	790	945								
1368-TCDD					1.084		0.770	918	693								
1289-TCDD					0.975		0.770	918	693								
12479-PECDD					1.837		1.550	1150	877								
12389-PECDD					1.252		1.550	1150	877								
124679-HXCDD					1.033		1.240	903	761								
1234679-HPCDD	39.296	0.974	2.568e2	2.710e2	1.286	0.948	1.050	790	765	4.83e3	5.63e3	6.1	7.4	NO	bb	bb	0.156
Total-tetrafurans			0.000e0		0.933			778		0.00e0							
Total-penta1			0.000e0					593		0.00e0							
Total-pentafurans			0.000e0		0.866			964		0.00e0							
Total-hexafurans			0.000e0		1.208			790		0.00e0							
Total-heptafurans			2.339e2		1.185			630		5.18e3							0.129
Total-Furans			2.339e2		1.067			778		5.18e3							0.129
Total-tetradioxins			0.000e0		1.099			918		0.00e0							
Total-pentadioxins			0.000e0		1.392			1150		0.00e0							
Total-hexadioxins			0.000e0		1.007			903		0.00e0							
Total-heptadioxins			2.568e2		1.269			790		4.83e3							0.156
Total-Dioxins			1.639e3		1.165			918		2.19e4							1.390
Total-TEQ			1.873e3					918		2.71e4							1.520
FUNCTION1 PFK			1.111e7					836268		1.58e8							
FUNCTION2 PFK			1.452e5					395684		4.78e6							0.000
FUNCTION3 PFK			2.844e6					325427		1.89e7							0.000
FUNCTION4 PFK			6.863e4					175972		2.11e6							
FUNCTION5 PFK			7.708e4					104442		1.74e6							
FUNCTION1 HXCD...			2.912e2					688		5.42e3							0.000
FUNCTION1 HPCD...			8.522e2					678		1.20e4							0.000
FUNCTION2 HPCD...			1.318e3					919		3.18e4							0.000
FUNCTION3 OCDPE			2.329e2					620		5.01e3							0.000
FUNCTION4 NCDPE			3.282e2					857		5.86e3							0.000
FUNCTION5 DCDPE			1.793e2					754		3.47e3							0.000

Method: T:\Autospec\Methods\Dioxin230206.mdb 07 Feb 2023 09:29:10
Calibration: T:\Autospec\Curves\230201ICIH.cdb 03 Feb 2023 10:33:40

ID: 22L0307-34, Name: 23020732, Date: 08-Feb-2023, Time: 10:46:05, Conditions: AUTOSPEC01, User: pk

TF

	Compound	RT	Ion1Area	Ion2Area	RRF	Ratio	Pred R	S/N 1	SNFlag	EMPC	Int.1	Int.2	pg
1													

PP

	Compound	RT	Ion1Area	Ion2Area	RRF	Ratio	Pred R	S/N 1	SNFlag	EMPC	Int.1	Int.2	pg
1													

PF

	Compound	RT	Ion1Area	Ion2Area	RRF	Ratio	Pred R	S/N 1	SNFlag	EMPC	Int.1	Int.2	pg
1													

HF

	Compound	RT	Ion1Area	Ion2Area	RRF	Ratio	Pred R	S/N 1	SNFlag	EMPC	Int.1	Int.2	pg
1													

HPF

	Compound	RT	Ion1Area	Ion2Area	RRF	Ratio	Pred R	S/N 1	SNFlag	EMPC	Int.1	Int.2	pg
1	Total-heptafurans	39.51	2.339e2	2.275e2	1.185	1.03	1.05	8.2	YES	NO	bd	bb	0.129

Furans,TF,PP,PF,HF,HPF,OF

	Compound	RT	Ion1Area	Ion2Area	RRF	Ratio	Pred R	S/N 1	SNFlag	EMPC	Int.1	Int.2	pg
1	Total-heptafurans	39.51	2.339e2	2.275e2	1.185	1.03	1.05	8.2	YES	NO	bd	bb	0.129

TD

	Compound	RT	Ion1Area	Ion2Area	RRF	Ratio	Pred R	S/N 1	SNFlag	EMPC	Int.1	Int.2	pg
1													

PD

	Compound	RT	Ion1Area	Ion2Area	RRF	Ratio	Pred R	S/N 1	SNFlag	EMPC	Int.1	Int.2	pg
1													

ID: 22L0307-34, Name: 23020732, Date: 08-Feb-2023, Time: 10:46:05, Conditions: AUTOSPEC01, User: pk

HD

	Compound	RT	Ion1Area	Ion2Area	RRF	Ratio	Pred R	S/N 1	SNFlag	EMPC	Int.1	Int.2	pg
1													

HPD

	Compound	RT	Ion1Area	Ion2Area	RRF	Ratio	Pred R	S/N 1	SNFlag	EMPC	Int.1	Int.2	pg
1	1234679-HPCDD	39.30	2.568e2	2.710e2	1.286	0.95	1.05	6.1	YES	NO	bb	bb	0.156

Dioxins,TD,PD,HD,HPD,OD

	Compound	RT	Ion1Area	Ion2Area	RRF	Ratio	Pred R	S/N 1	SNFlag	EMPC	Int.1	Int.2	pg
1	1234679-HPCDD	39.30	2.568e2	2.710e2	1.286	0.95	1.05	6.1	YES	NO	bb	bb	0.156
2	OCDD	45.13	1.382e3	1.456e3	1.103	0.95	0.89	33.0	YES	NO	bb	bb	1.235

TotalTEQ,Furans,Dioxins

	Compound	RT	Ion1Area	Ion2Area	RRF	Ratio	Pred R	S/N 1	SNFlag	EMPC	Int.1	Int.2	pg
1	Total-heptafurans	39.51	2.339e2	2.275e2	1.185	1.03	1.05	8.2	YES	NO	bd	bb	0.129
2	1234679-HPCDD	39.30	2.568e2	2.710e2	1.286	0.95	1.05	6.1	YES	NO	bb	bb	0.156
3	OCDD	45.13	1.382e3	1.456e3	1.103	0.95	0.89	33.0	YES	NO	bb	bb	1.235

ID: 22L0307-34, Name: 23020732, Date: 08-Feb-2023, Time: 10:46:05, Conditions: AUTOSPEC01, User: pk

PFK1

	Compound	RT	Ion1Area	Ion2Area	RRF	Ratio	Pred R	S/N 1	SNFlag	EMPC	Int.1	Int.2	pg
1	FUNCTION1 PFK	21.44	6.910e5					14.9	YES		dd		
2	FUNCTION1 PFK	21.32	1.534e6					16.5	YES		dd		
3	FUNCTION1 PFK	21.19	1.478e6					18.0	YES		dd		
4	FUNCTION1 PFK	21.10	1.578e6					18.9	YES		bd		
5	FUNCTION1 PFK	22.60	2.988e4					1.1	NO		bb		
6	FUNCTION1 PFK	22.54	8.925e3					0.7	NO		bb		
7	FUNCTION1 PFK	22.48	1.429e4					0.6	NO		bb		
8	FUNCTION1 PFK	22.39	1.709e4					0.7	NO		bb		
9	FUNCTION1 PFK	22.33	5.273e3					0.4	NO		bb		
10	FUNCTION1 PFK	22.27	6.553e3					0.5	NO		bb		
11	FUNCTION1 PFK	22.15	3.792e5					3.1	YES		db		
12	FUNCTION1 PFK	22.03	2.778e5					5.2	YES		dd		
13	FUNCTION1 PFK	21.94	2.904e5					6.5	YES		dd		
14	FUNCTION1 PFK	21.89	3.579e5					7.5	YES		dd		
15	FUNCTION1 PFK	21.81	4.188e5					9.2	YES		dd		
16	FUNCTION1 PFK	21.75	6.064e5					10.2	YES		dd		
17	FUNCTION1 PFK	21.68	5.287e5					11.0	YES		dd		
18	FUNCTION1 PFK	21.62	7.297e5					12.2	YES		dd		
19	FUNCTION1 PFK	21.54	7.687e5					12.7	YES		dd		
20	FUNCTION1 PFK	21.48	7.001e5					14.5	YES		dd		
21	FUNCTION1 PFK	24.58	3.458e4					1.2	NO		bb		
22	FUNCTION1 PFK	24.52	7.491e3					0.6	NO		bb		
23	FUNCTION1 PFK	24.40	1.499e4					0.6	NO		bb		
24	FUNCTION1 PFK	24.16	1.772e4					0.7	NO		bb		
25	FUNCTION1 PFK	24.07	2.161e4					0.7	NO		bb		
26	FUNCTION1 PFK	23.98	1.543e4					0.5	NO		bb		
27	FUNCTION1 PFK	23.86	2.999e4					1.1	NO		bb		
28	FUNCTION1 PFK	23.70	3.158e4					0.7	NO		bb		
29	FUNCTION1 PFK	23.61	2.416e4					0.9	NO		bb		
30	FUNCTION1 PFK	23.42	2.523e4					0.9	NO		bb		
31	FUNCTION1 PFK	23.22	1.759e4					0.8	NO		bb		
32	FUNCTION1 PFK	23.15	8.324e3					0.7	NO		bb		
33	FUNCTION1 PFK	23.08	5.576e4					1.6	NO		db		
34	FUNCTION1 PFK	23.01	3.317e4					0.7	NO		bd		
35	FUNCTION1 PFK	22.90	3.811e4					1.1	NO		db		
36	FUNCTION1 PFK	22.80	7.960e4					1.2	NO		bd		
37	FUNCTION1 PFK	27.64	3.888e4					1.2	NO		bb		

ID: 22L0307-34, Name: 23020732, Date: 08-Feb-2023, Time: 10:46:05, Conditions: AUTOSPEC01, User: pk

PFK1

	Compound	RT	Ion1Area	Ion2Area	RRF	Ratio	Pred R	S/N 1	SNFlag	EMPC	Int.1	Int.2	pg
38	FUNCTION1 PFK	27.44	5.458e3					0.4	NO		bb		
39	FUNCTION1 PFK	27.21	4.926e3					0.4	NO		bb		
40	FUNCTION1 PFK	26.99	4.052e4					1.5	NO		bb		
41	FUNCTION1 PFK	26.92	7.642e3					0.6	NO		bb		
42	FUNCTION1 PFK	26.73	2.189e4					0.6	NO		db		
43	FUNCTION1 PFK	26.65	6.132e3					0.4	NO		bd		
44	FUNCTION1 PFK	26.59	1.420e4					0.6	NO		bb		
45	FUNCTION1 PFK	26.49	1.599e4					0.6	NO		bb		
46	FUNCTION1 PFK	26.29	7.648e3					0.6	NO		bb		
47	FUNCTION1 PFK	26.21	2.129e4					0.6	NO		bb		
48	FUNCTION1 PFK	25.65	5.963e3					0.5	NO		bb		
49	FUNCTION1 PFK	25.26	1.377e4					0.7	NO		bb		
50	FUNCTION1 PFK	24.87	4.291e3					0.3	NO		bb		
51	FUNCTION1 PFK	24.76	2.365e4					0.9	NO		bb		

PFK2

	Compound	RT	Ion1Area	Ion2Area	RRF	Ratio	Pred R	S/N 1	SNFlag	EMPC	Int.1	Int.2	pg
1	FUNCTION2 PFK	32.86	1.314e4					0.9	NO		bb		0.000
2	FUNCTION2 PFK	32.69	2.644e3					0.6	NO		bb		0.000
3	FUNCTION2 PFK	32.02	2.917e3					0.7	NO		bb		0.000
4	FUNCTION2 PFK	31.98	1.305e4					1.1	NO		bb		0.000
5	FUNCTION2 PFK	31.82	2.974e3					0.7	NO		bb		0.000
6	FUNCTION2 PFK	31.78	2.085e3					0.5	NO		bb		0.000
7	FUNCTION2 PFK	31.73	5.378e3					0.7	NO		bb		0.000
8	FUNCTION2 PFK	31.34	8.823e3					0.7	NO		bb		0.000
9	FUNCTION2 PFK	30.96	3.123e3					0.7	NO		bb		0.000
10	FUNCTION2 PFK	29.26	1.326e4					0.7	NO		bb		0.000
11	FUNCTION2 PFK	29.12	6.188e3					0.8	NO		bb		0.000
12	FUNCTION2 PFK	28.69	1.043e4					1.0	NO		bb		0.000
13	FUNCTION2 PFK	28.46	4.544e4					1.9	NO		bb		0.000
14	FUNCTION2 PFK	28.32	1.574e4					1.1	NO		bb		0.000

ID: 22L0307-34, Name: 23020732, Date: 08-Feb-2023, Time: 10:46:05, Conditions: AUTOSPEC01, User: pk

PFK3

	Compound	RT	Ion1Area	Ion2Area	RRF	Ratio	Pred R	S/N 1	SNFlag	EMPC	Int.1	Int.2	pg
1	FUNCTION3 PFK	32.97	3.932e5					18.5	YES		bd		0.000
2	FUNCTION3 PFK	36.20	2.260e3					0.6	NO		bb		0.000
3	FUNCTION3 PFK	36.05	7.812e3					1.0	NO		db		0.000
4	FUNCTION3 PFK	36.01	8.957e3					1.1	NO		dd		0.000
5	FUNCTION3 PFK	35.96	5.487e3					0.8	NO		bd		0.000
6	FUNCTION3 PFK	35.83	6.993e3					0.8	NO		bb		0.000
7	FUNCTION3 PFK	35.31	2.251e3					0.6	NO		bb		0.000
8	FUNCTION3 PFK	34.97	1.482e4					1.9	NO		bb		0.000
9	FUNCTION3 PFK	34.56	8.252e3					1.0	NO		bb		0.000
10	FUNCTION3 PFK	34.45	1.700e4					1.2	NO		bb		0.000
11	FUNCTION3 PFK	34.20	2.731e4					1.5	NO		db		0.000
12	FUNCTION3 PFK	34.12	3.062e4					1.9	NO		bd		0.000
13	FUNCTION3 PFK	33.88	7.378e3					1.1	NO		db		0.000
14	FUNCTION3 PFK	33.83	7.079e3					0.8	NO		bd		0.000
15	FUNCTION3 PFK	33.64	1.943e5					2.2	NO		db		0.000
16	FUNCTION3 PFK	33.47	6.669e4					6.6	YES		dd		0.000
17	FUNCTION3 PFK	33.38	1.991e6					9.9	YES		dd		0.000
18	FUNCTION3 PFK	37.61	4.738e3					0.7	NO		bb		0.000
19	FUNCTION3 PFK	37.55	9.743e3					1.0	NO		db		0.000
20	FUNCTION3 PFK	37.49	1.062e4					0.9	NO		bd		0.000
21	FUNCTION3 PFK	37.37	2.084e3					0.6	NO		bb		0.000
22	FUNCTION3 PFK	37.23	1.006e4					1.1	NO		bb		0.000
23	FUNCTION3 PFK	36.57	3.676e3					0.6	NO		bb		0.000
24	FUNCTION3 PFK	36.45	1.422e3					0.4	NO		bb		0.000
25	FUNCTION3 PFK	36.33	1.008e4					1.3	NO		bb		0.000

PFK4

	Compound	RT	Ion1Area	Ion2Area	RRF	Ratio	Pred R	S/N 1	SNFlag	EMPC	Int.1	Int.2	pg
1	FUNCTION4 PFK	42.11	1.109e4					1.9	NO		bb		
2	FUNCTION4 PFK	41.97	4.738e3					1.3	NO		bb		
3	FUNCTION4 PFK	41.36	9.121e3					1.9	NO		bb		
4	FUNCTION4 PFK	41.25	1.286e3					0.7	NO		bb		
5	FUNCTION4 PFK	38.27	8.212e3					1.1	NO		bb		
6	FUNCTION4 PFK	38.17	8.637e3					1.8	NO		db		
7	FUNCTION4 PFK	38.10	2.555e4					3.3	YES		bd		

ID: 22L0307-34, Name: 23020732, Date: 08-Feb-2023, Time: 10:46:05, Conditions: AUTOSPEC01, User: pk

PFK5

	Compound	RT	Ion1Area	Ion2Area	RRF	Ratio	Pred R	S/N 1	SNFlag	EMPC	Int.1	Int.2	pg
1	FUNCTION5 PFK	46.21	2.253e3					1.0	NO		bb		
2	FUNCTION5 PFK	45.96	3.487e3					1.4	NO		bb		
3	FUNCTION5 PFK	45.91	2.501e3					1.2	NO		bb		
4	FUNCTION5 PFK	45.70	1.508e3					0.9	NO		bb		
5	FUNCTION5 PFK	45.27	1.165e3					0.8	NO		bb		
6	FUNCTION5 PFK	45.09	1.406e3					0.9	NO		bb		
7	FUNCTION5 PFK	44.96	5.722e3					1.8	NO		bb		
8	FUNCTION5 PFK	44.39	4.717e3					1.7	NO		bb		
9	FUNCTION5 PFK	43.07	5.432e4					7.0	YES		bb		

ETHERS1

	Compound	RT	Ion1Area	Ion2Area	RRF	Ratio	Pred R	S/N 1	SNFlag	EMPC	Int.1	Int.2	pg
1	FUNCTION1 HXCD...	27.73	1.028e2					3.5	YES		bb		0.000
2	FUNCTION1 HXCD...	25.43	7.312e1					2.5	NO		bb		0.000
3	FUNCTION1 HXCD...	21.53	1.153e2					1.9	NO		bb		0.000

ETHERS2

	Compound	RT	Ion1Area	Ion2Area	RRF	Ratio	Pred R	S/N 1	SNFlag	EMPC	Int.1	Int.2	pg
1	FUNCTION1 HPCD...	21.18	1.761e2					2.5	NO		bd		0.000
2	FUNCTION1 HPCD...	26.65	1.186e2					2.2	NO		bb		0.000
3	FUNCTION1 HPCD...	25.65	1.071e2					2.4	NO		bb		0.000
4	FUNCTION1 HPCD...	25.17	7.478e1					1.8	NO		bb		0.000
5	FUNCTION1 HPCD...	24.97	1.424e2					2.5	NO		bb		0.000
6	FUNCTION1 HPCD...	21.51	8.313e1					2.1	NO		bb		0.000
7	FUNCTION1 HPCD...	21.33	7.550e1					2.7	NO		db		0.000
8	FUNCTION1 HPCD...	21.27	7.461e1					1.5	NO		dd		0.000

ID: 22L0307-34, Name: 23020732, Date: 08-Feb-2023, Time: 10:46:05, Conditions: AUTOSPEC01, User: pk

ETHERS3

	Compound	RT	Ion1Area	Ion2Area	RRF	Ratio	Pred R	S/N 1	SNFlag	EMPC	Int.1	Int.2	pg
1	FUNCTION2 HPCD...	31.24	8.884e1					1.2	NO		bb		0.000
2	FUNCTION2 HPCD...	30.98	1.074e2					1.9	NO		db		0.000
3	FUNCTION2 HPCD...	30.90	1.214e2					1.8	NO		bd		0.000
4	FUNCTION2 HPCD...	30.62	1.194e2					3.7	YES		db		0.000
5	FUNCTION2 HPCD...	30.57	7.901e1					2.6	NO		bd		0.000
6	FUNCTION2 HPCD...	30.22	8.086e1					4.3	YES		db		0.000
7	FUNCTION2 HPCD...	30.18	2.041e2					6.7	YES		bd		0.000
8	FUNCTION2 HPCD...	30.05	1.801e2					5.4	YES		bb		0.000
9	FUNCTION2 HPCD...	32.62	7.269e1					1.2	NO		db		0.000
10	FUNCTION2 HPCD...	32.50	7.831e1					1.4	NO		dd		0.000
11	FUNCTION2 HPCD...	32.40	1.044e2					2.0	NO		bd		0.000
12	FUNCTION2 HPCD...	31.51	8.131e1					2.6	NO		bb		0.000

ETHERS4

	Compound	RT	Ion1Area	Ion2Area	RRF	Ratio	Pred R	S/N 1	SNFlag	EMPC	Int.1	Int.2	pg
1	FUNCTION3 OCDPE	36.22	8.805e1					2.5	NO		bb		0.000
2	FUNCTION3 OCDPE	35.03	7.292e1					2.3	NO		bb		0.000
3	FUNCTION3 OCDPE	33.15	7.195e1					3.3	YES		bb		0.000

ETHERS5

	Compound	RT	Ion1Area	Ion2Area	RRF	Ratio	Pred R	S/N 1	SNFlag	EMPC	Int.1	Int.2	pg
1	FUNCTION4 NCDPE	41.26	7.780e1					1.7	NO		bb		0.000
2	FUNCTION4 NCDPE	39.34	8.548e1					1.6	NO		bb		0.000
3	FUNCTION4 NCDPE	38.47	1.649e2					3.6	YES		bb		0.000

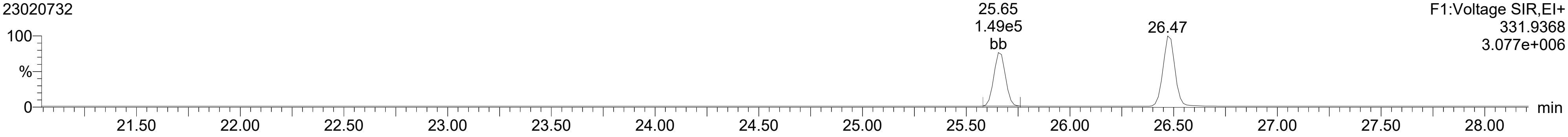
ETHERS6

	Compound	RT	Ion1Area	Ion2Area	RRF	Ratio	Pred R	S/N 1	SNFlag	EMPC	Int.1	Int.2	pg
1	FUNCTION5 DCDPE	45.78	7.614e1					2.8	NO		bb		0.000
2	FUNCTION5 DCDPE	45.46	1.031e2					1.8	NO		bb		0.000

Method: T:\Autospec\Methods\Dioxin230206.mdb 07 Feb 2023 09:29:10
Calibration: T:\Autospec\Curves\230201ICIH.cdb 03 Feb 2023 10:33:40

ID: 22L0307-34, Name: 23020732, Date: 08-Feb-2023, Time: 10:46:05, Conditions: AUTOSPEC01, User: pk

13C-1234-TCDD



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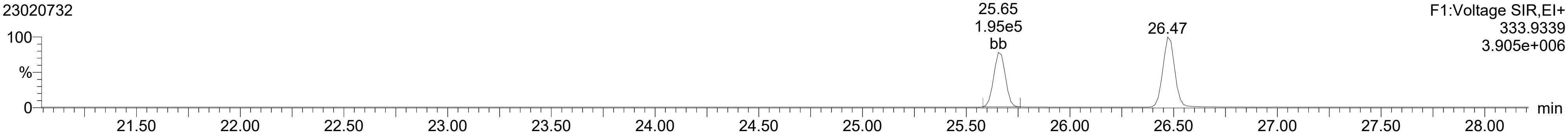
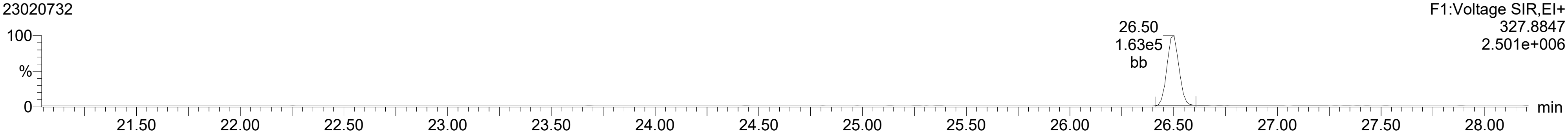


37CL-2378-TCDD



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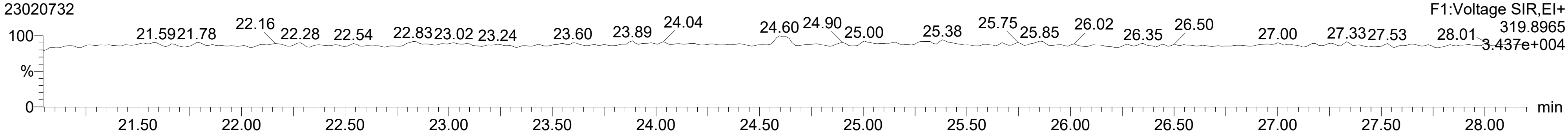
2378-TCDD



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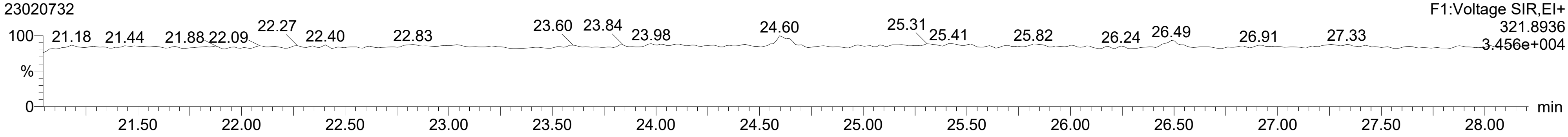

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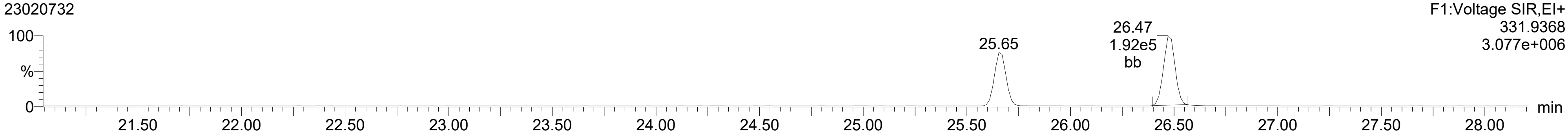

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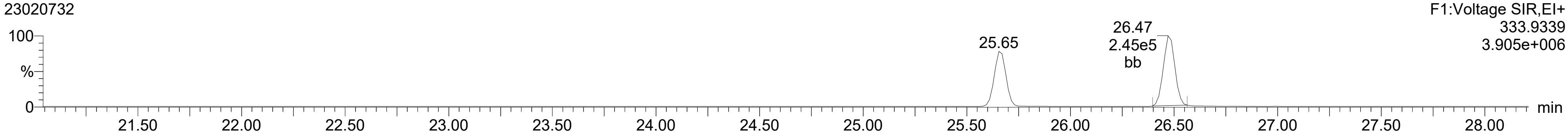

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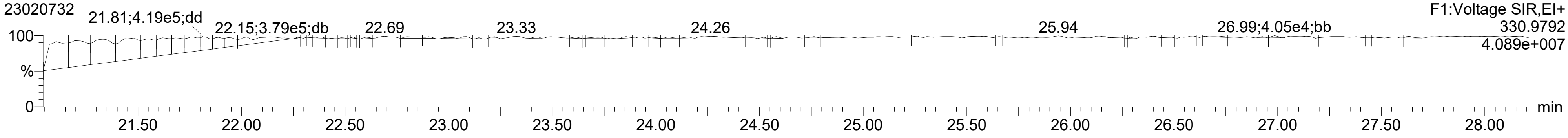

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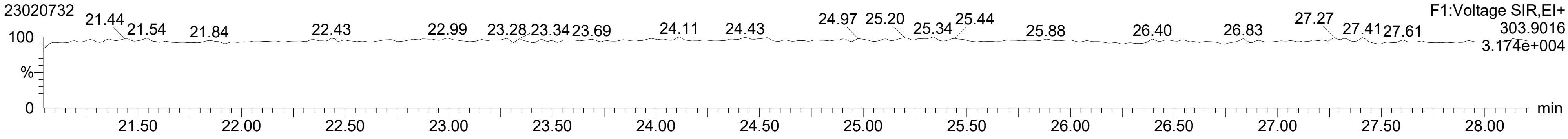
2378-TCDF



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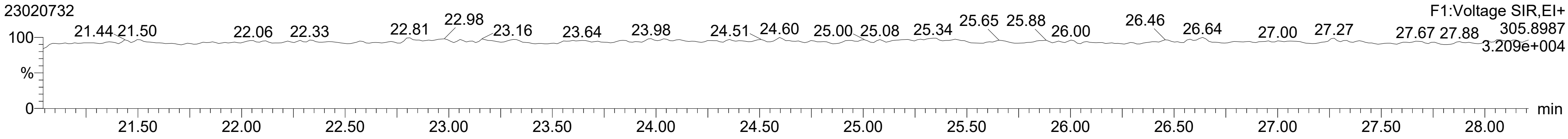

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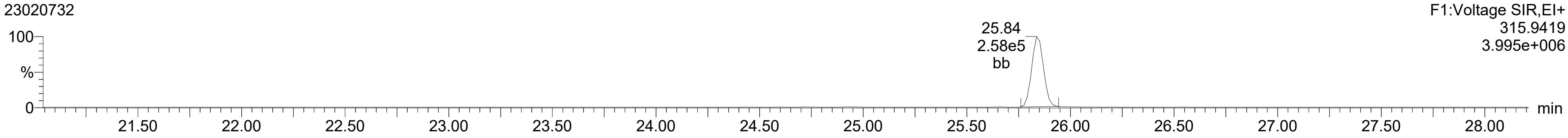

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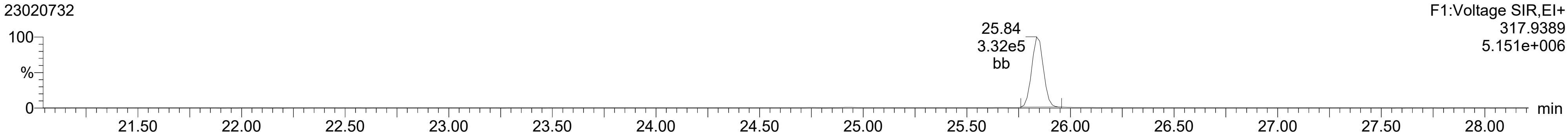

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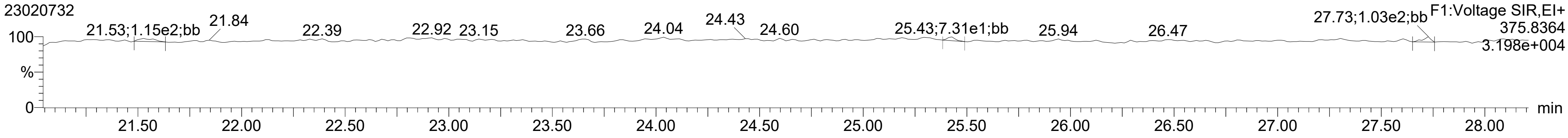

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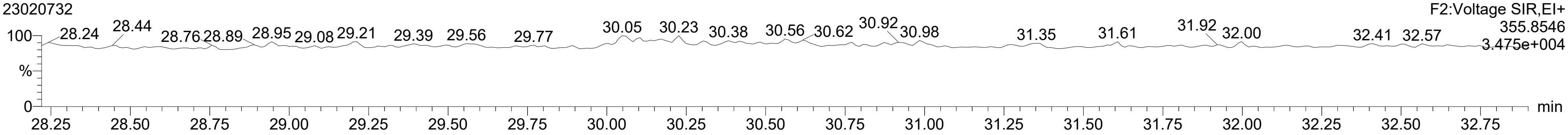
12378-PeCDD



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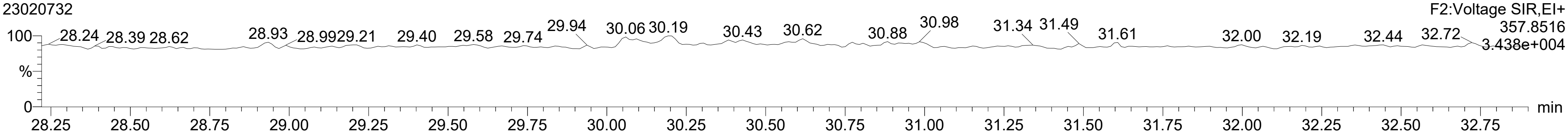

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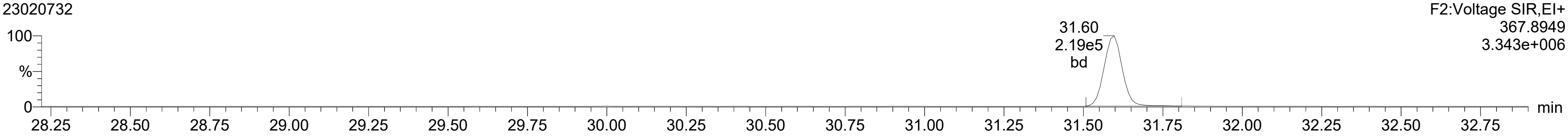

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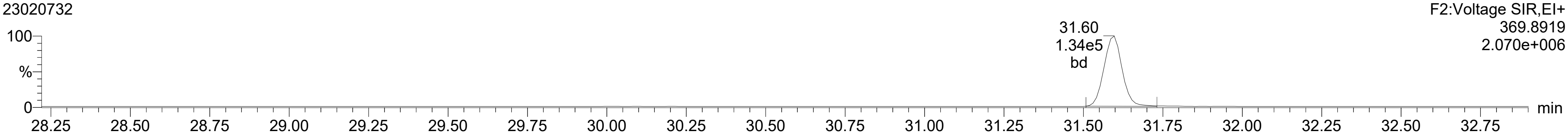

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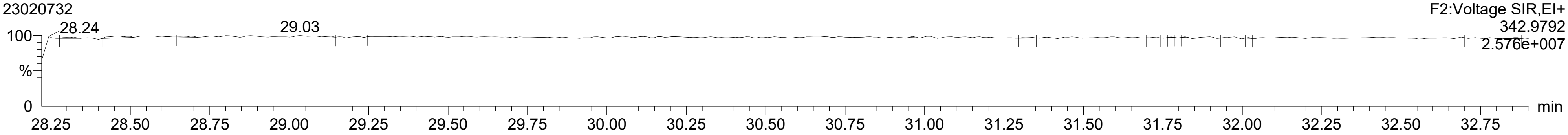

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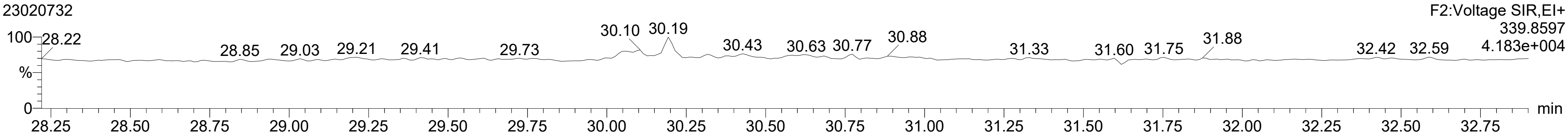

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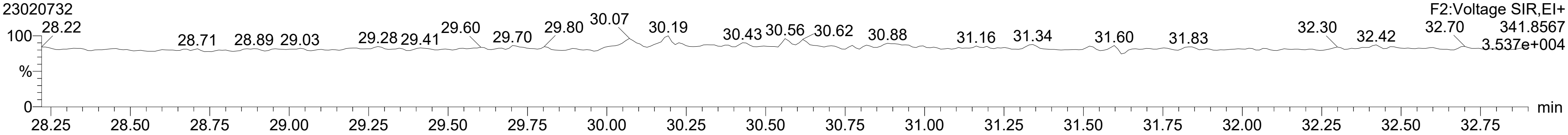

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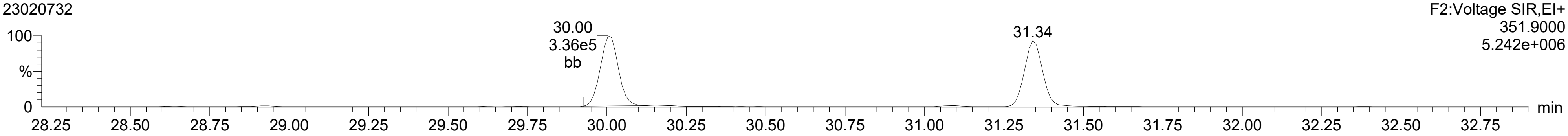

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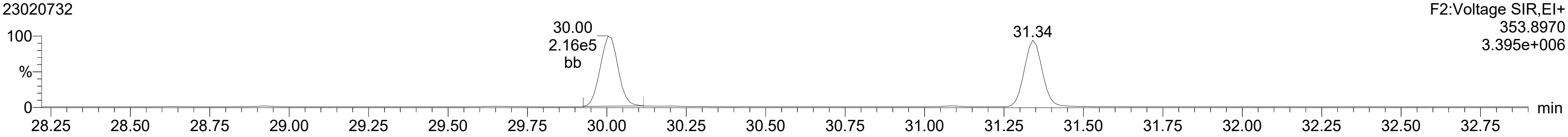

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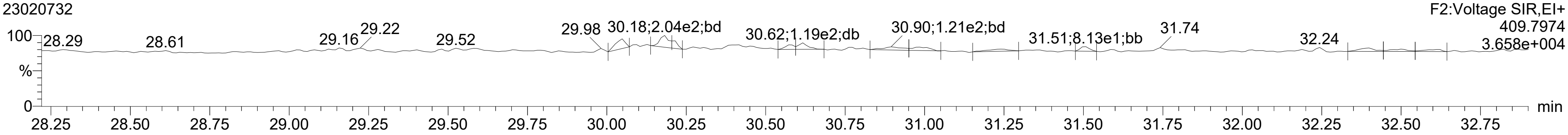

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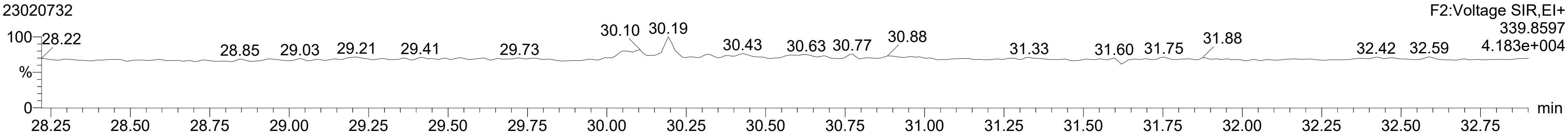

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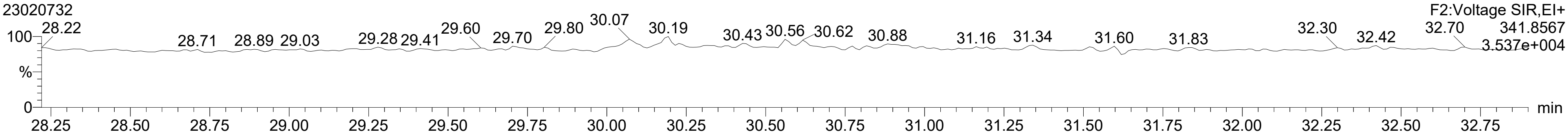

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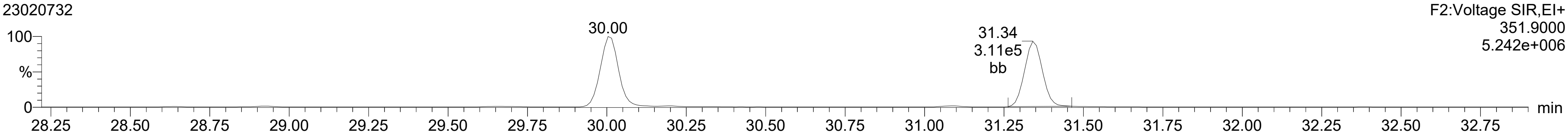

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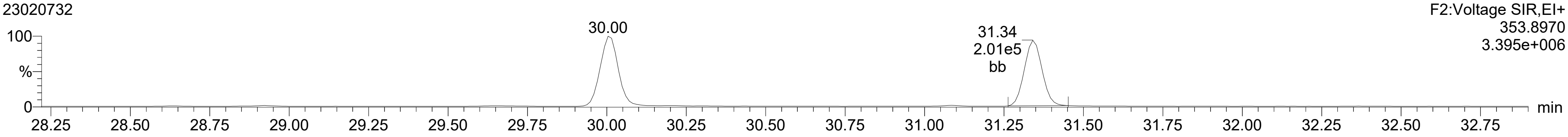

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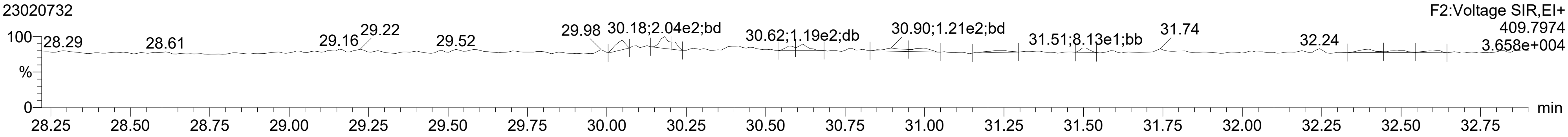

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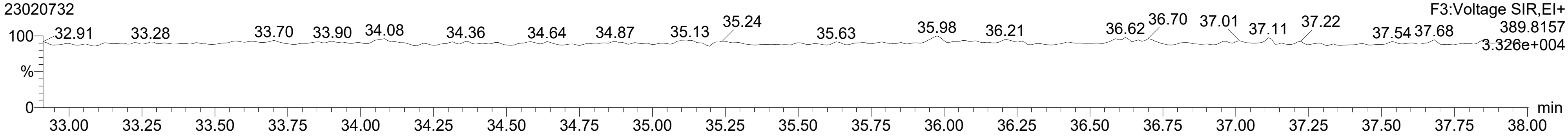
123478-HxCDD



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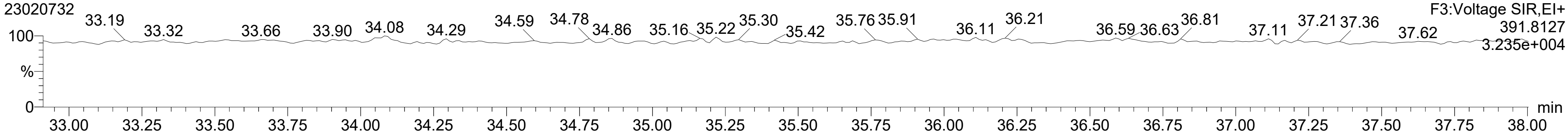

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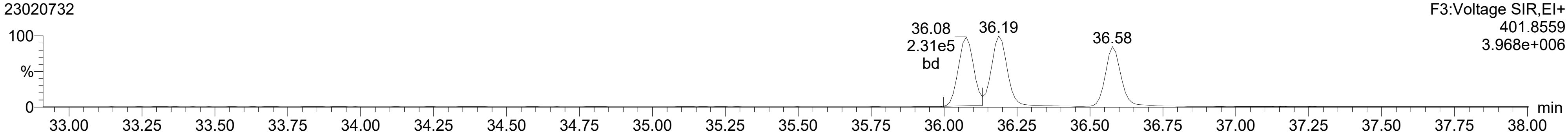

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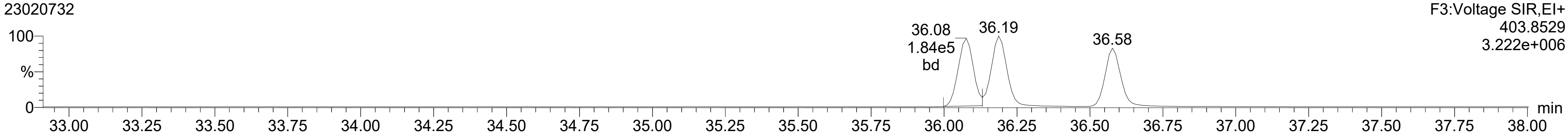
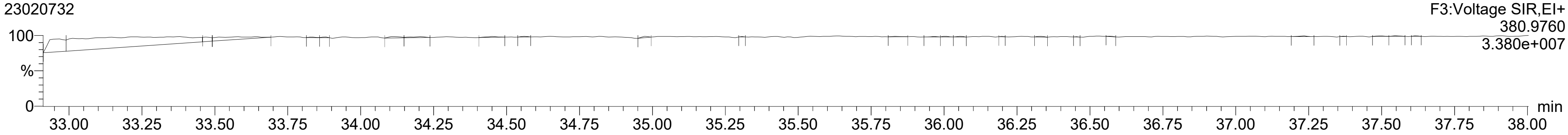


FUNCTION3 PFK



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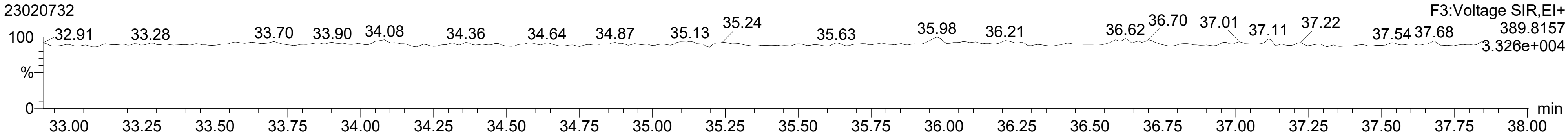

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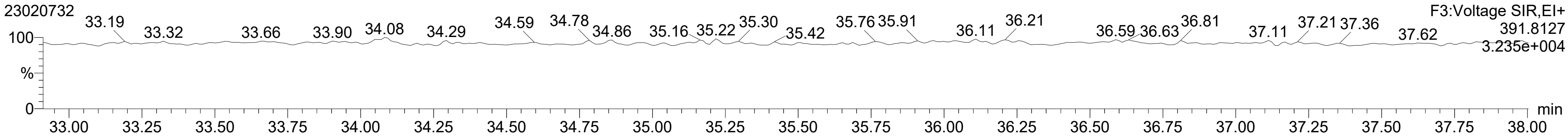

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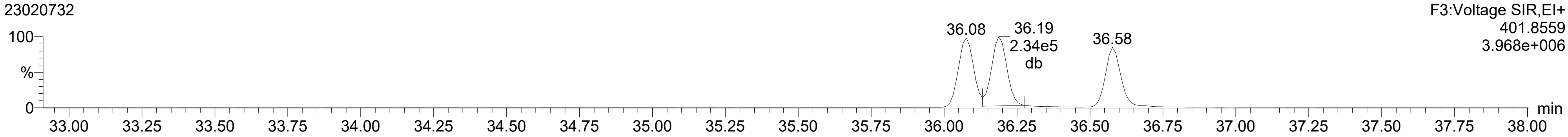

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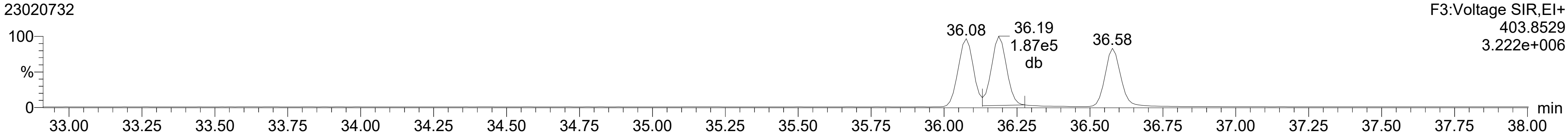

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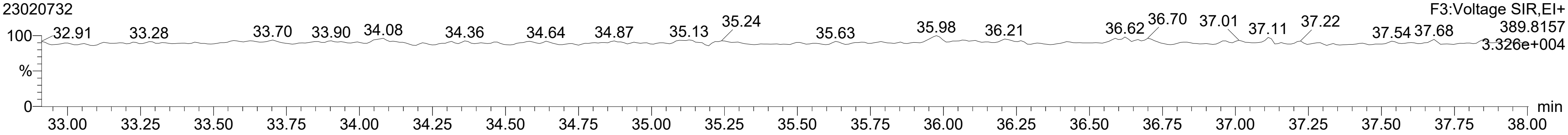

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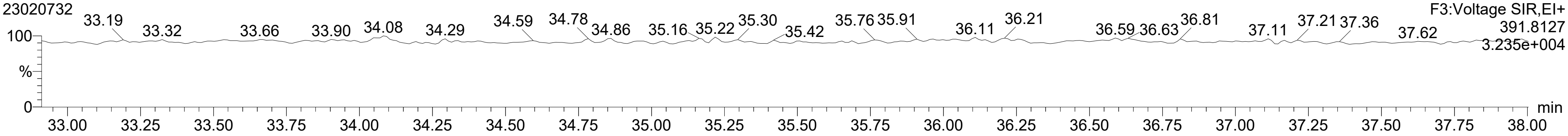

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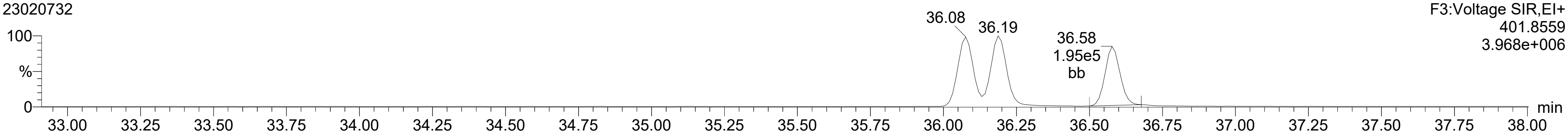

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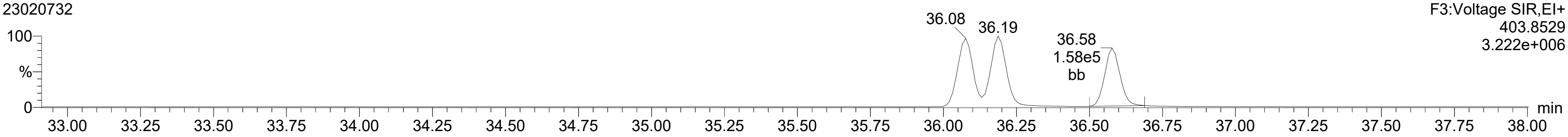

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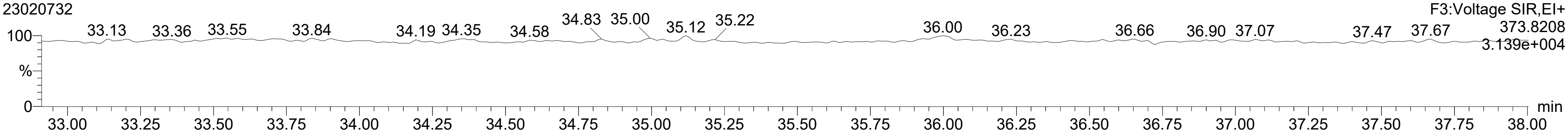

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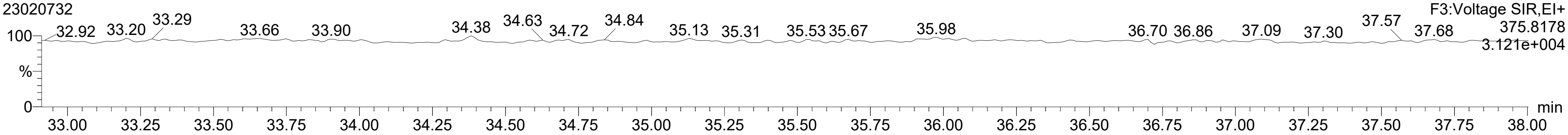

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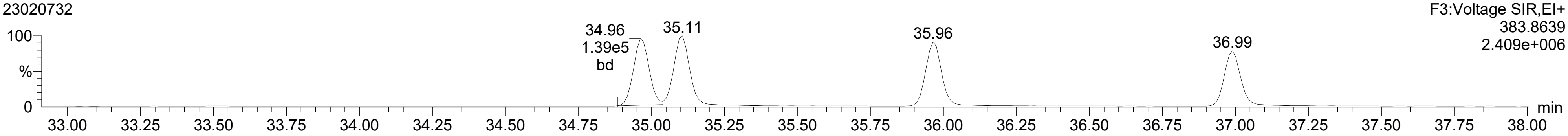

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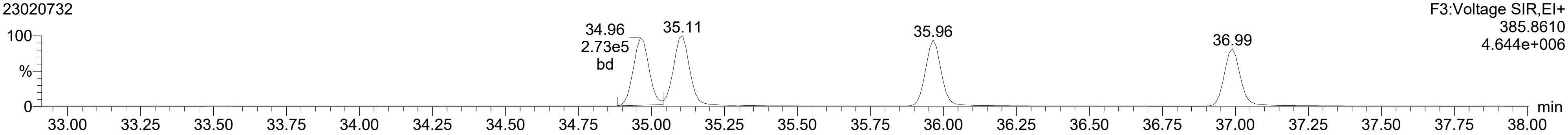
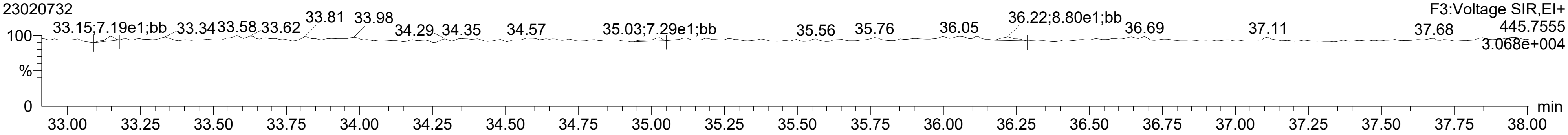


FUNCTION3 OCDPE



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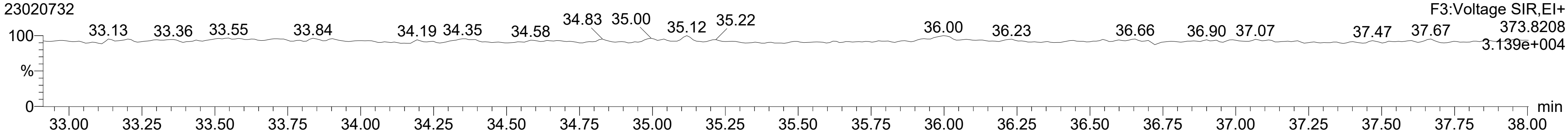
234678-HxCDF



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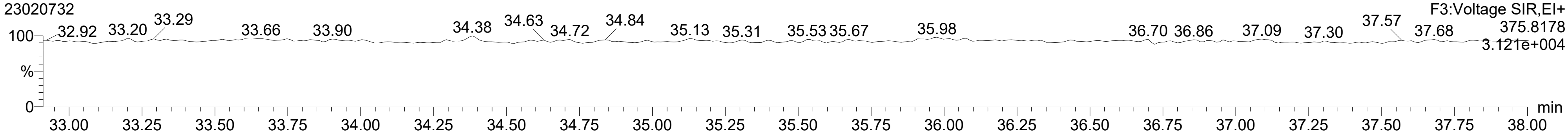

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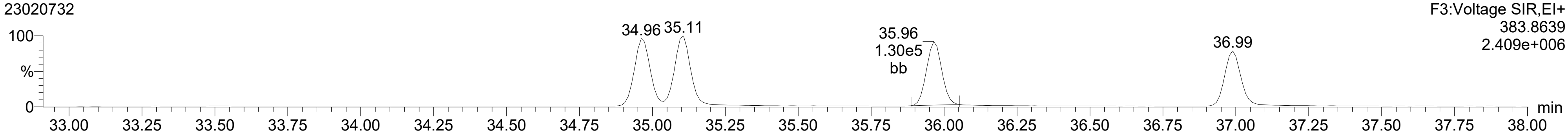

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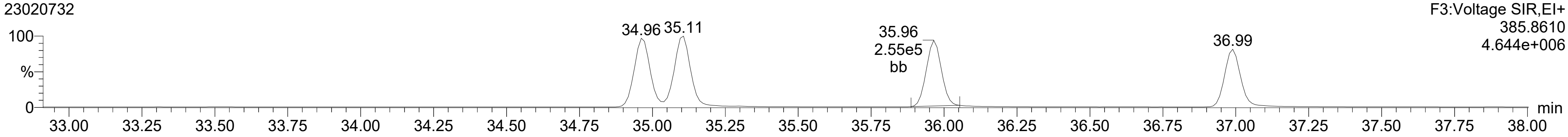

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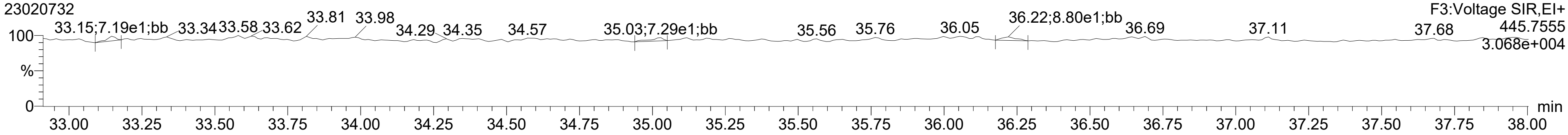

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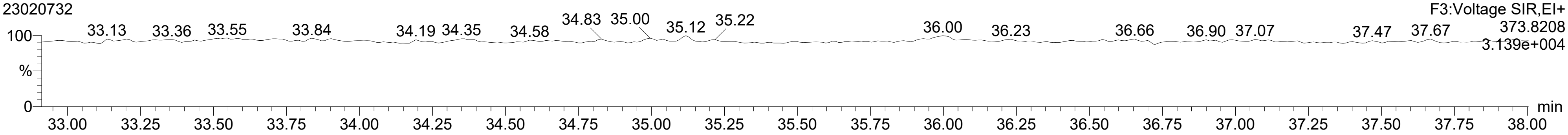

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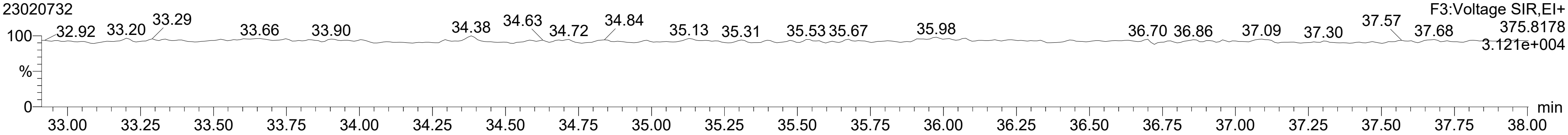

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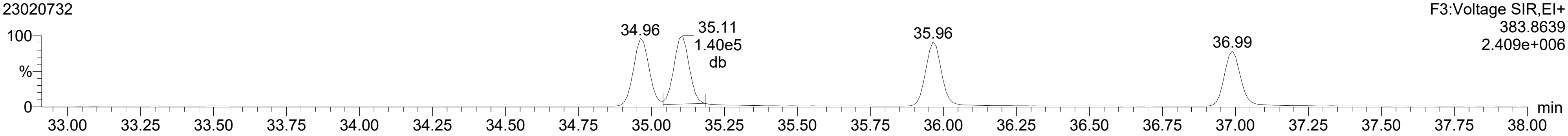

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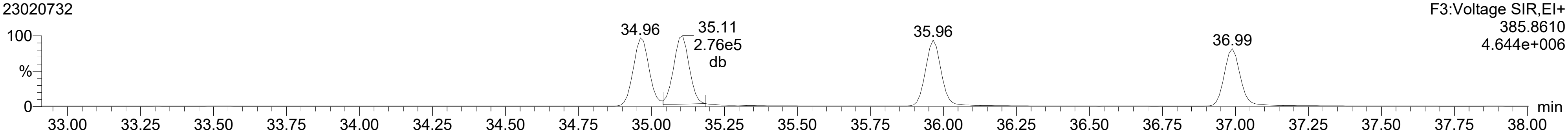
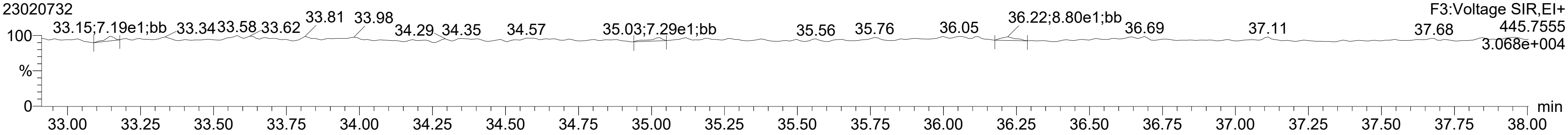


FUNCTION3 OCDPE



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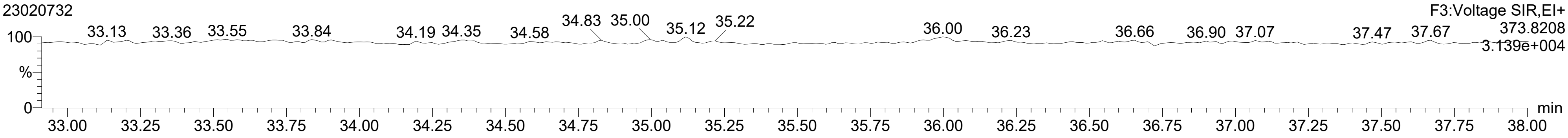
123789-HxCDF



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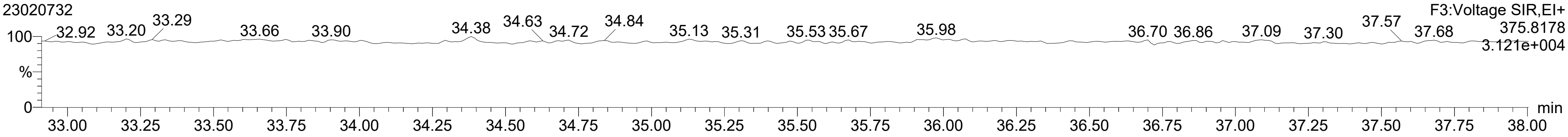

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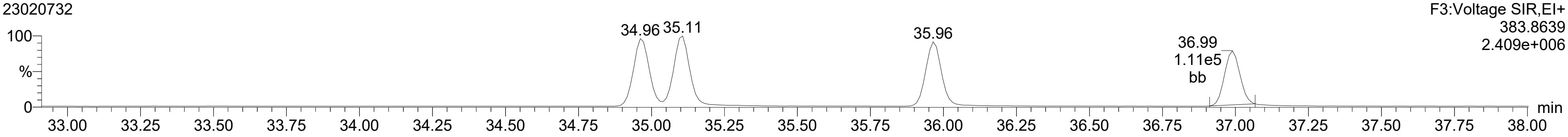

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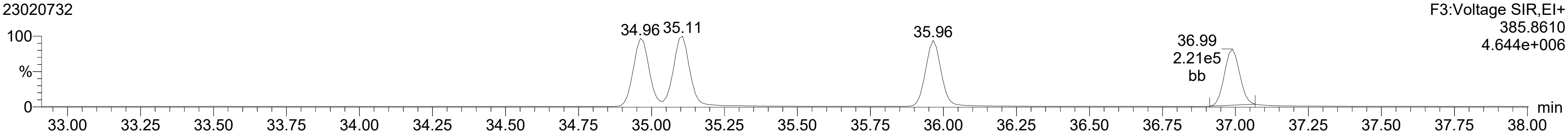
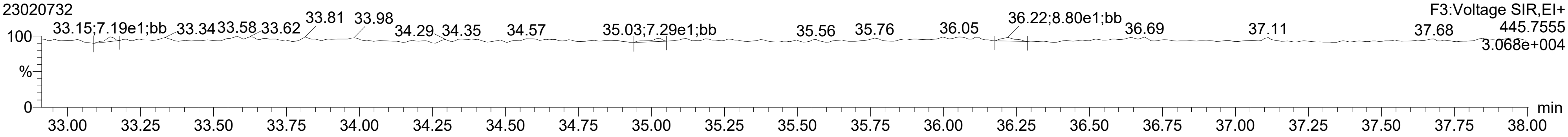


FUNCTION3 OCDPE



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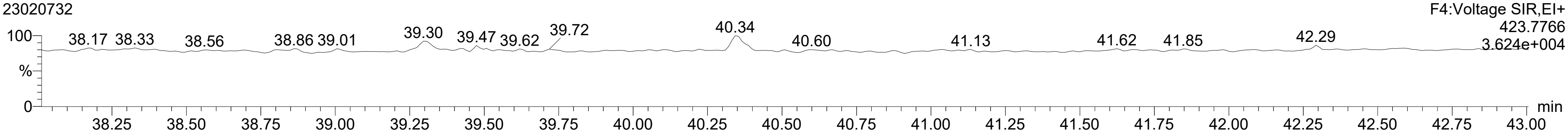
1234678-HpCDD



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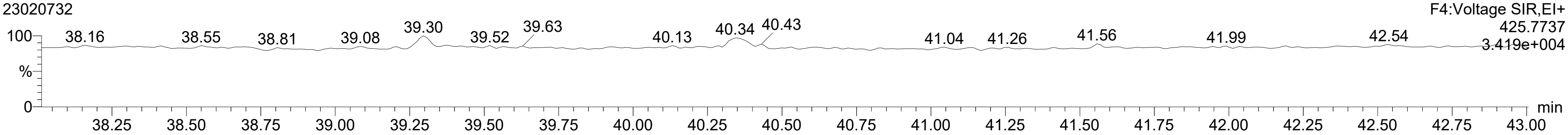

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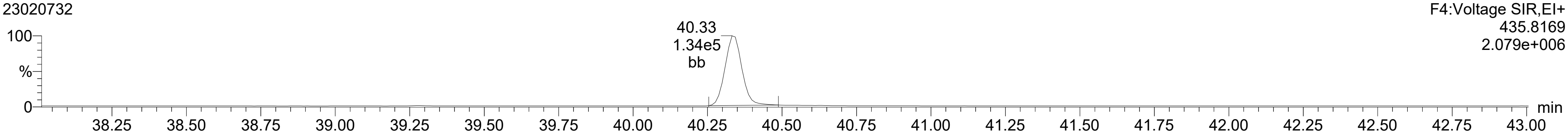

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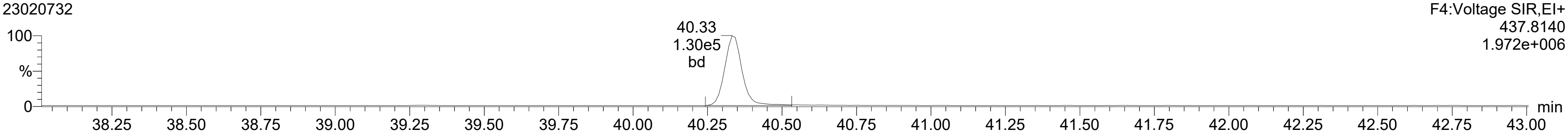
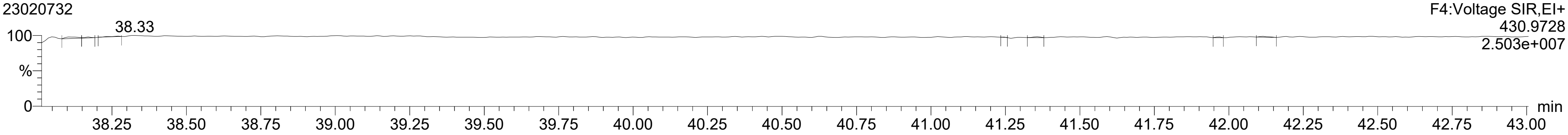


FUNCTION4 PFK



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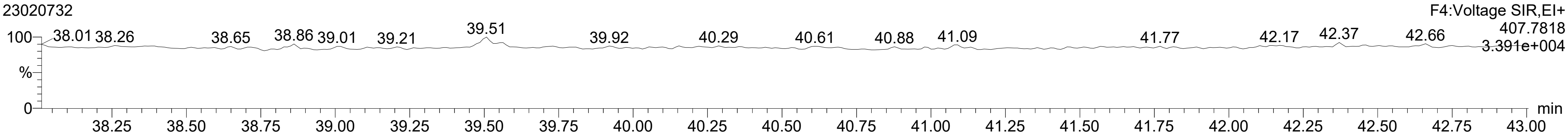
1234678-HpCDF



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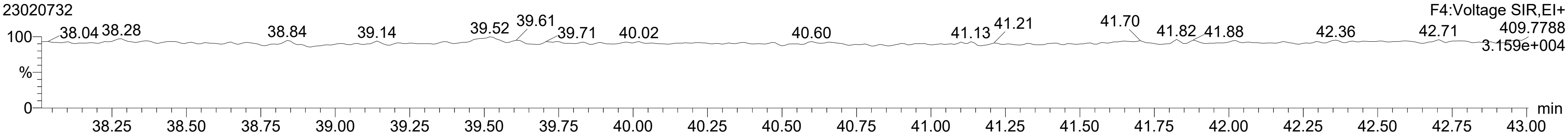

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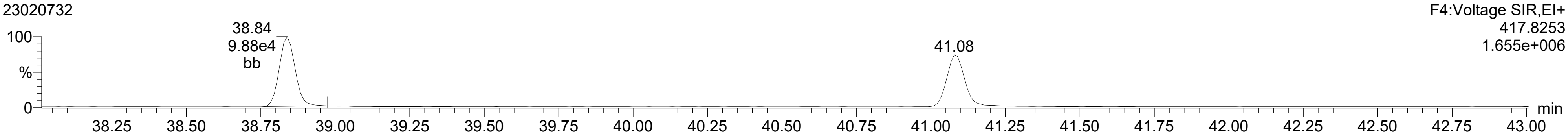

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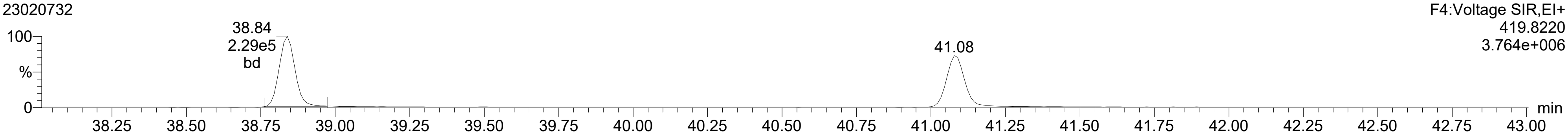
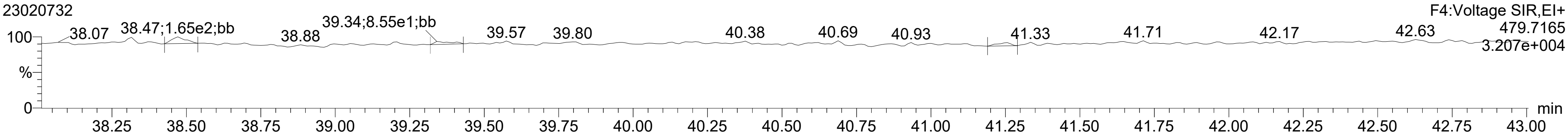


FUNCTION4 NCDPE



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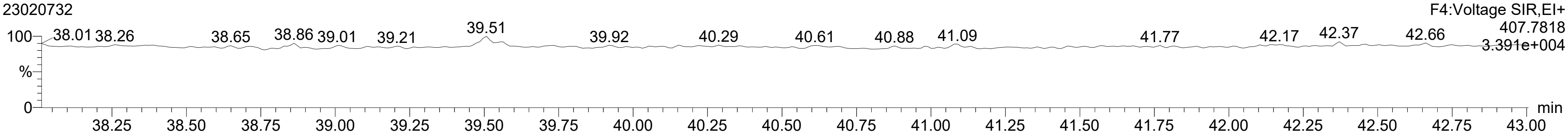
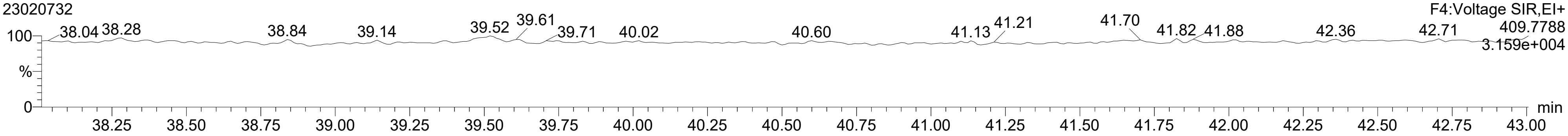
1234789-HpCDF



1234789-HpCDF



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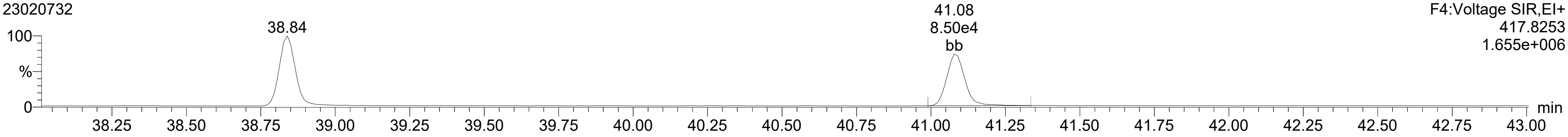

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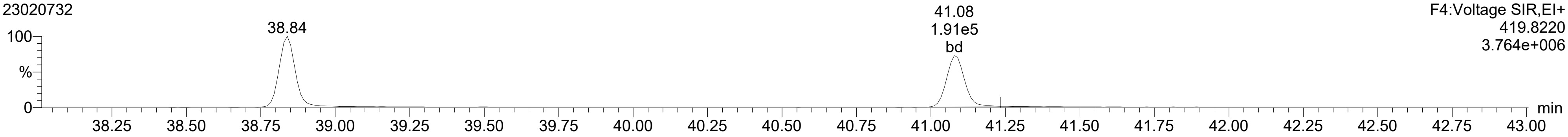
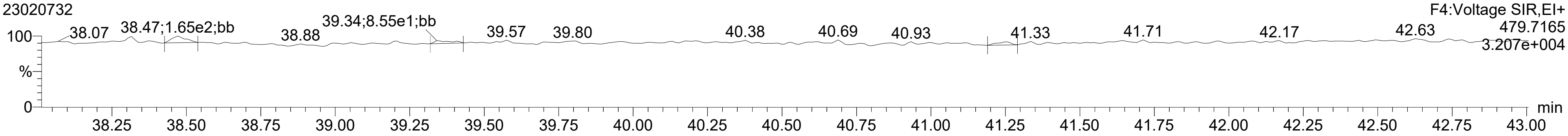


FUNCTION4 NCDPE



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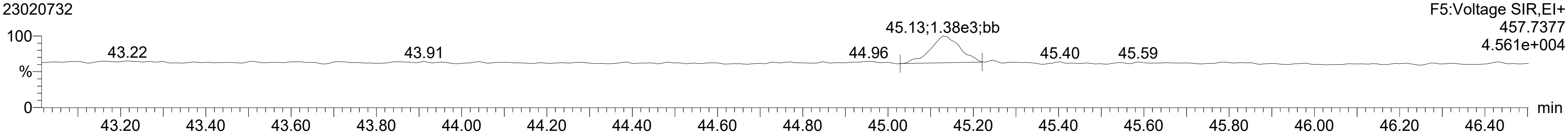
OCDD



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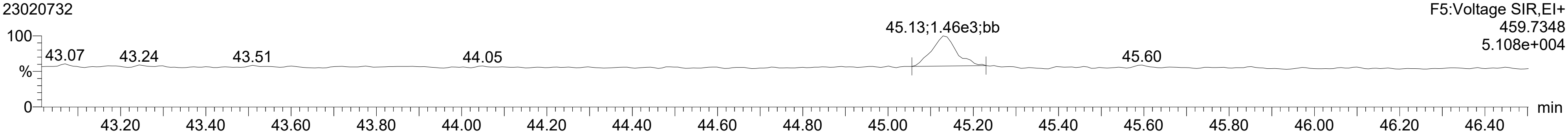

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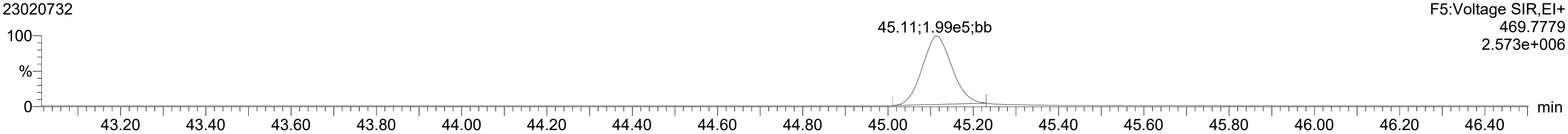

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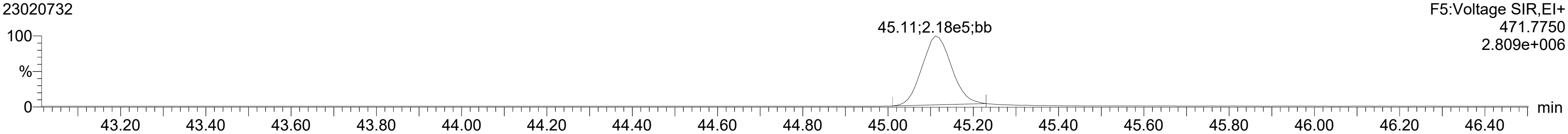

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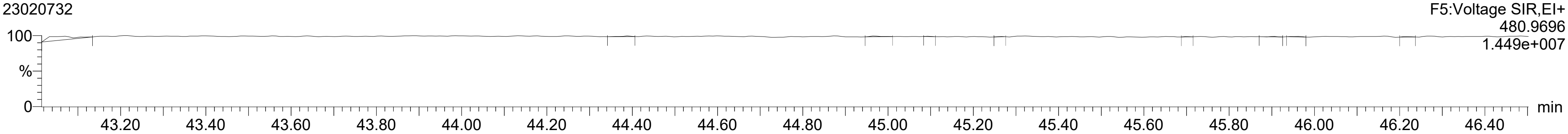
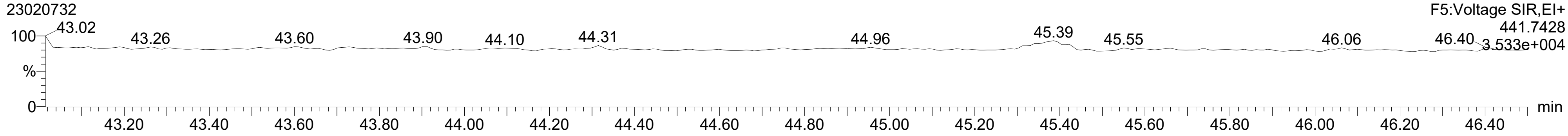
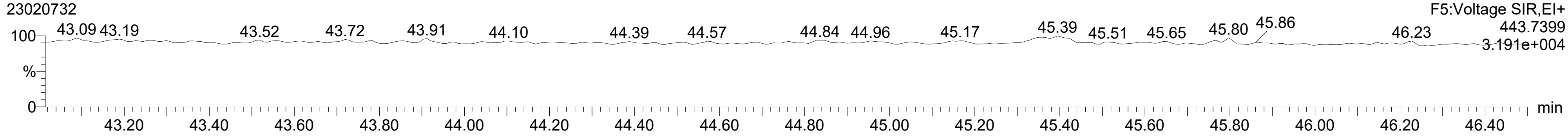


ID: 22L0307-34, Name: 23020732, Date: 08-Feb-2023, Time: 10:46:05, Conditions: AUTOSPEC01, User: pk

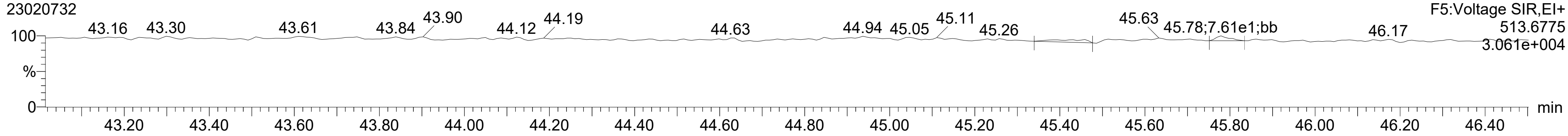
OCDF



OCDF

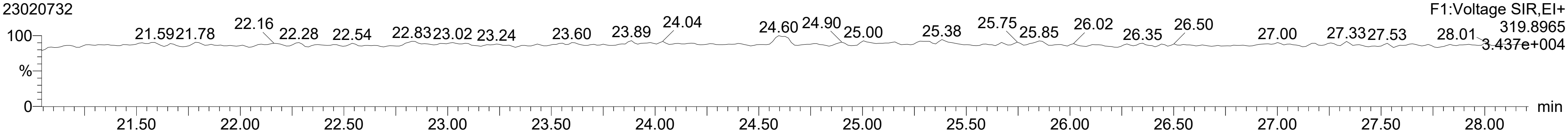


FUNCTION5 DCDPE

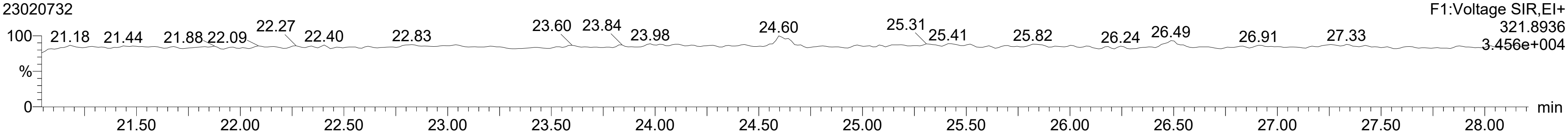


ID: 22L0307-34, Name: 23020732, Date: 08-Feb-2023, Time: 10:46:05, Conditions: AUTOSPEC01, User: pk

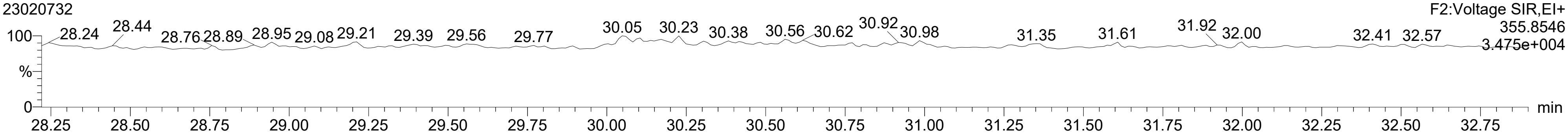
Total-tetradioxins



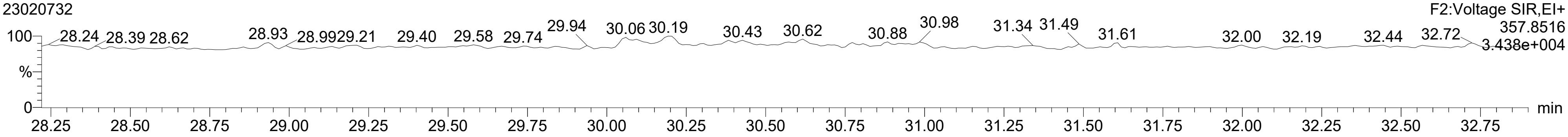
Total-tetradioxins



Total-pentadioxins

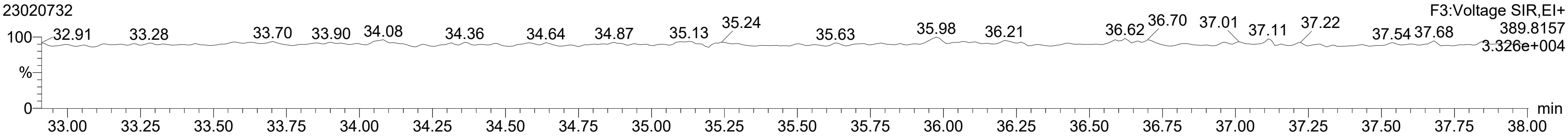


Total-pentadioxins

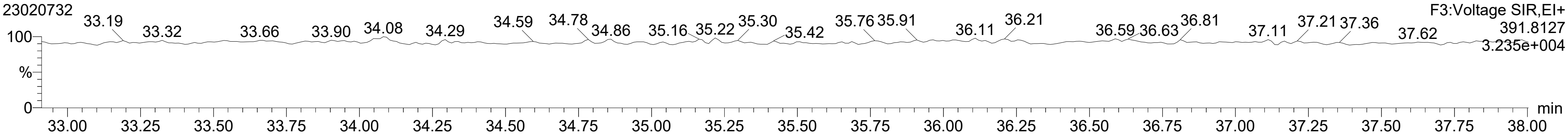


ID: 22L0307-34, Name: 23020732, Date: 08-Feb-2023, Time: 10:46:05, Conditions: AUTOSPEC01, User: pk

Total-hexadioxins



Total-hexadioxins



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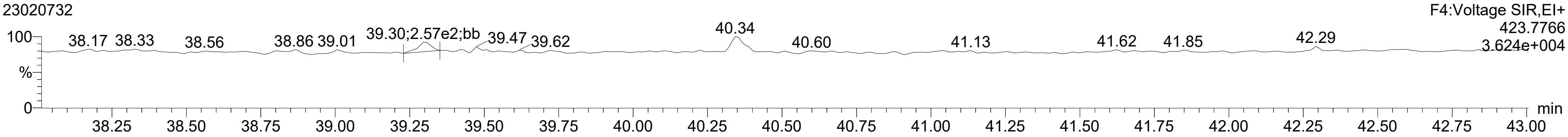
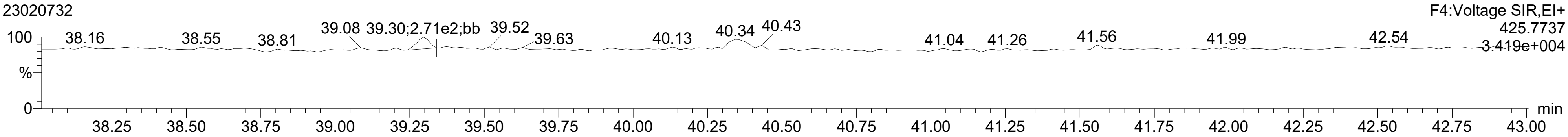
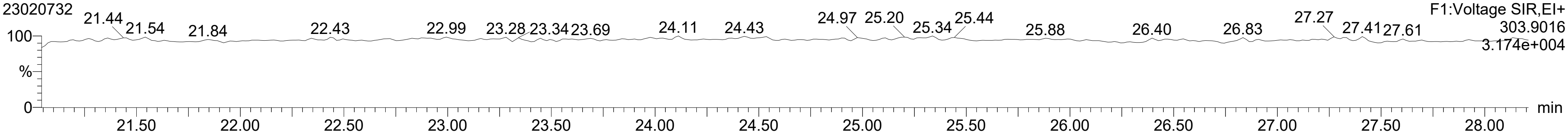


Total-heptadioxins

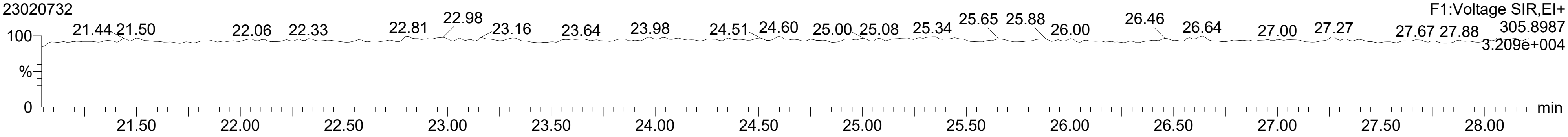


ID: 22L0307-34, Name: 23020732, Date: 08-Feb-2023, Time: 10:46:05, Conditions: AUTOSPEC01, User: pk

Total-tetrafurans



Total-tetrafurans



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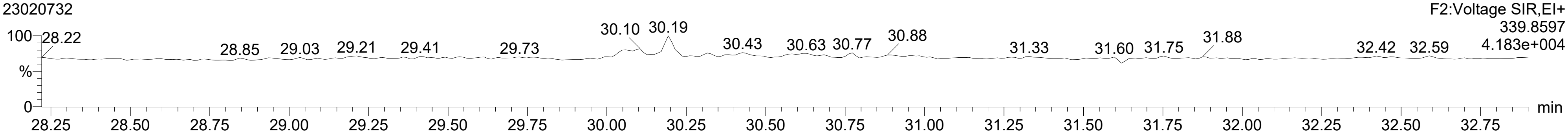
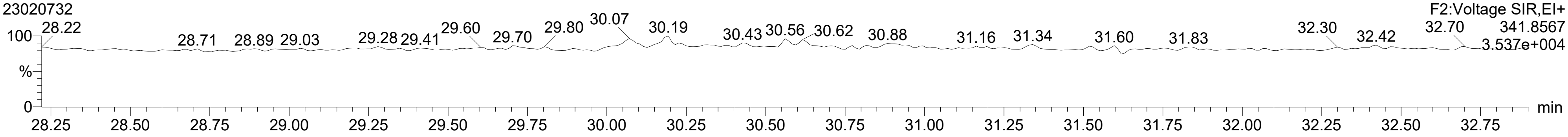


Total-pentafurans



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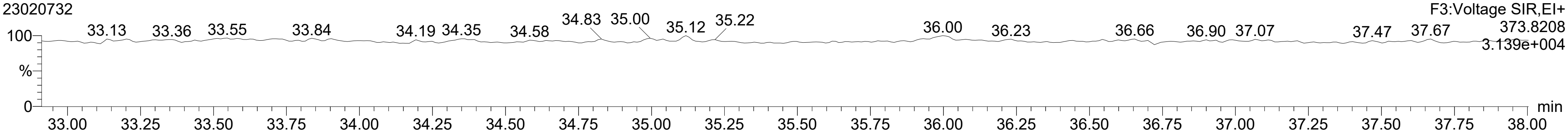
Total-hexafurans



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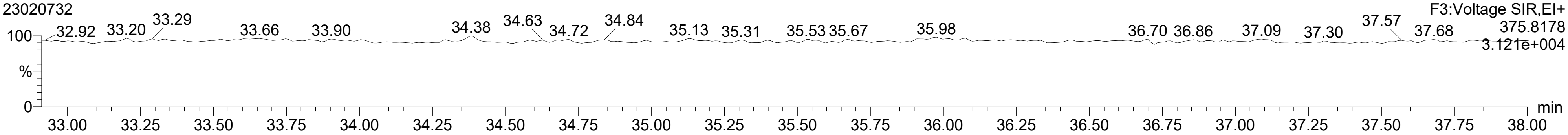
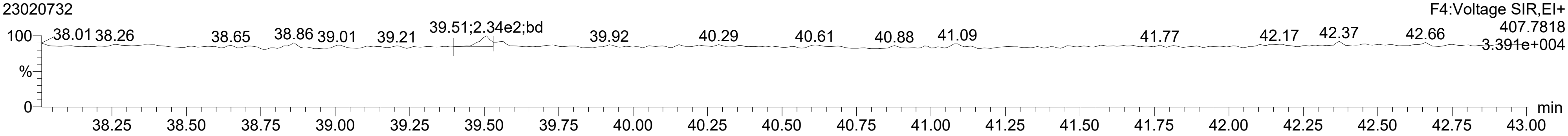
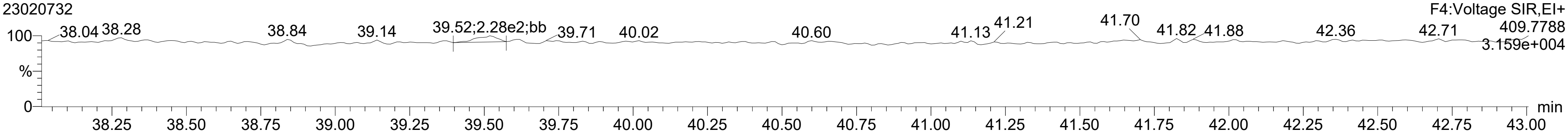


Total-heptafurans



Total-heptafurans



PREPARATION BATCH SUMMARY

EPA 1613B

Laboratory: Analytical Resources, LLC
SDG: 22L0307
Client: Anchor QEA, LLC
Project: AOC4 UR Phase 3
Batch: BKL0420
Batch Matrix: Solid
Preparation: EPA 8290

SAMPLE NAME	LAB SAMPLE ID	LAB FILE ID	DATE PREPARED	OBSERVATIONS
LDW22-IT808A	22L0307-29	23020727	12/27/22 14:20	
LDW22-IT808B	22L0307-30	23020728	12/27/22 14:20	
LDW22-IT808C	22L0307-31	23020729	12/27/22 14:20	
LDW22-IT808D	22L0307-32	23020730	12/27/22 14:20	
LDW22-IT808E	22L0307-33	23020731	12/27/22 14:20	
LDW22-IT808F	22L0307-34	23020732	12/27/22 14:20	
Blank	BKL0420-BLK1	23020723	12/27/22 14:20	
LCS	BKL0420-BS1	23020724	12/27/22 14:20	
LDW22-IT808A	BKL0420-DUP1	23020726	12/27/22 14:20	
Reference	BKL0420-SRM1	23020725	12/27/22 14:20	

Analytical Resources, LLC
Analytical Chemists and Consultants

HRGCMS Dioxin/Furan Preparation Bench Sheet EPA Methods 8290A & 1613B

Batch: BKL0420

Solid Samples

ARI Work Orders:	22L0307, 22L0312		
Matrix (circle one)	[✓ Soil] Sediment Oil Tissue		
Extraction Method	Start Date/Time:	End Date/Time:	
[✓ **Soxhlet**] **SepF Shake out**	12/27/22 14:20	12/28/22 10:30	

Reagents/Equipment Used	NA	ID / Lot Number	Initials	Date
Glasswool		J012850	DP	12/30/22
Basic Silica		K002255	DP	12/30/22
Acid Silica		K011012	DP	12/30/22
Activated Florisil		K005956	DP	12/30/22
Balance		24650344	DP	12/22/22
Toluene		K011233	DP	12/27/22
Hexane		K011373	DP	12/28/22/12/28/22
CH2Cl2		K007902	DP	12/30/22
H2SO4		K009796	DP	12/29/22
Na2SO4		K011562	DP	12/27/22
Other (RM)		K011477	DP	12/22/22
0% Silica		K011054	DP	12/30/22
Nonane		H006638	TW	1/3/23

Lab Number & Container	Sample Name	% Solids	Sample Weight Equal to dry (g) (Target Dry)	Actual	RotoVap 45 °C	Water Trap Vol (mL)	Final Vol. (uL)
22L0307-29 A	LDW22-IT808A	55.27	(18.09)	18.10	1 / [✓ 2]	7.4	20
~~22L0307-29 A~~	~~LDW22-IT808A~~	~~55.27~~	~~(18.09)~~		~~1 / 2~~		~~20~~
22L0307-30 A	LDW22-IT808B	58.36	(17.14)	17.20	[✓ 1] / 2	7.2	20
22L0307-31 A	LDW22-IT808C	53.44	(18.71)	18.78	1 / [✓ 2]	8.4	20
22L0307-32 A	LDW22-IT808D	61.77	(16.19)	16.20	[✓ 1] / 2	5.5	20
22L0307-33 A	LDW22-IT808E	81.32	(12.30)	12.33	1 / [✓ 2]	1.8	20
22L0307-34 A	LDW22-IT808F	79.63	(12.56)	12.57	[✓ 1] / 2	2.0	20
22L0312-01 A	RM10W-ST01-221208	33.75	(29.63)	29.64	1 / [✓ 2]	14.0	20
~~22L0312-01 A~~	~~RM10W-ST01-221208~~	~~33.75~~	~~(29.63)~~		~~1 / 2~~		~~20~~
22L0312-02 A	RM10W-ST03-221208	43.73	(22.87)	22.89	[✓ 1] / 2	10.2	20
22L0312-03 A	RM10W-ST04-221207	38.06	(26.27)	26.28	1 / [✓ 2]	15.0	20
22L0312-04 A	RM10W-ST05-221207	41.99	(23.82)	23.88	[✓ 1] / 2	12.0	20
22L0312-05 A	RM10W-ST06-221207	30.14	(33.18)	33.19	1 / [✓ 2]	20.4	20
22L0312-06 A	RM10W-ST07-221207	27.35	(36.56)	36.61	[✓ 1] / 2	24.0	20
22L0312-07 A	RM10W-ST08-221207	30.11	(33.21)	33.24	1 / [✓ 2]	22.0	20
22L0312-08 A	RM10W-FD18	41.17	(24.29)	24.29	[✓ 1] / 2	14.0	20
BKL0420-BLK1	Blank	100	()	10.02	[✓ 1] / 2	0.0	20
BKL0420-BS1	LCS	100	()	10.01	1 / [✓ 2]	0.0	20
BKL0420-DUP1	22L0307-29A Duplicate	55.27	(18.09)	18.10	[✓ 1] / 2	7.0	20
BKL0420-DUP2	22L0312-01A Duplicate	33.75	(29.63)	29.64	1 / [✓ 2]	13.6	20
BKL0420-SRM1	Reference	100	()	10.02	[✓ 1] / 2	0.2	20
Prep Analyst / Date:	DP 12/22/22 ~~12/27/22~~		DP 12/22/22		DP 12/29/22	DP 12/28/22	

Standards Used	Vol	ID / Lot Number	Concentration	Expiration Date	Analyst	Witness	Date
Recovery Standard	1.0 mL	K011158	2/4 ng/mL	12/2/23	DP	TW	12/27/22
OPR	1.0 mL	K006003	0.2/1.0/2.0 ng/mL	6/30/23	DP	TW	12/27/22
~~**QLS Standard**~~	~~1.0 mL~~		~~01/0.05/0.1ng/mL ng/~~				
Cleanup-up Standard	1.0 mL	K011159	0.8 ng/mL	12/2/23	DP	TW	12/30/22

Verify Client ID
Analyst / Date: DP 12/22/22 ~~12/27/22~~

Acid Clean
[✓ Y] N
Analyst / Date: DP 12/29/22

Silica-Florisil Clean
[✓ Y] N
Analyst / Date: DP 12/30/22

Supervisor Review By ____ Date 1/3/23

Printed: 12/16/2022 7:23:44AM

Analytical Resources, Incorporated
Analytical Chemists and Consultants

Dioxin Extraction Laboratory – Glassware

Batch ID: BKL0420 Work Order: 22L0307, 22L0312 Extraction Parameter: Dioxin ARI Analyst ____

ARI Sample ID	300 mL Flat Bottom	Small Soxhlet	Large Soxhlet	250 mL Beaker	Funnel	Column	Florisil Column	Turbo Tube	Sep Funnel	Erlenmeyer Flask	Centrifuge Bottle	Turbo-Vap	Vortex Mixer	Heating Mantle
BKL0420 -BLK1	28	26		30	29	35	121	66				4	4	
-BS1	5	4		37	84	191	1	81				4	4	
-DUP1	63		52	23	54	145	59	71				4	4	
-DUP2	34		75	35	47	119	128	68				4	4	
-SRM1	51	16		177	19	212	166	46				4	4	
22L0307 -29A	2		57	48	65	229	61	80				4	4	
-30A	79		49	40	5	21	7	16				4	4	
-31A	18		65	12	61	204	104	7				4	4	
-32A	4	21		10	95	3	55	61				4	4	
-33A	30	114		1	21	2	41	55				4	4	
-34A	9	18		34	72	143	70	65				4	4	
22L0312 -01A	44		21	13	52	27	53	34				4	4	
-02A	76		28	45	57	170	3	15				4	4	
-03A	60		67	11	24	51	164	70				4	4	
-04A	22		24	50	64	44	150	20				4	4	
-05A	32		62	43	60	200	58	18				4	4	
-06A	12		23	21	18	24	2	21				4	4	
-07A	25		45	138	32	16	145	40				4	4	
-08A	48		61	41	70	36	71	29				4	4	
												4	4	
												4	4	
												4	4	
												4	4	
												4	4	

3095F
Dioxin Extraction Laboratory - Glassware Tracking

Revision 005
1/10/19

TOTAL SOLIDS BENCHSHEET

Method HRSM01.2

(dry at 110 C)

Instrumentation

Batch:	BKL0335
Date:	12/16/2022 5:30
Analyst:	TW
Drying Oven:	18
Analytical Balance:	24650344

Batch drying time

Record times as mm/dd/yy hh:mm

		Oven Temp, C
Date/time in oven:	12/15/2022 12:25	110
Date/time out:	12/16/2022 5:30	111
Elapsed hrs:	17.1	

TS (%) calculated as:

Final dry wt (g) = (Dry Wt - Tare Wt)

TS = (Final Dry Wt X 100)/ (sample & dish -dish tare)

Oven Temps, °C	
Start Temp:	110
End Temp:	111

SAMPLE ID	Dish Tare Wt (g)	Dish with Sample (g)	Dry Wt (g)	Solids Wt (g)	TS (%)	Sample Decanted
22L0307-29	0.8000	11.7100	6.8300	6.03	55.27%	No
22L0307-30	0.8100	11.4500	7.0200	6.21	58.36%	No
22L0307-31	0.8100	11.5700	6.5600	5.75	53.44%	No
22L0307-32	0.8100	11.9800	7.7100	6.90	61.77%	No
22L0307-33	0.8000	11.4000	9.4200	8.62	81.32%	No
22L0307-34	0.8100	11.0700	8.9800	8.17	79.63%	Yes
22L0312-01	0.7900	11.2500	4.3200	3.53	33.75%	Yes
22L0312-02	0.8100	11.1000	5.3100	4.50	43.73%	Yes
22L0312-03	0.7900	11.8000	4.9800	4.19	38.06%	Yes
22L0312-04	0.8000	11.5400	5.3100	4.51	41.99%	Yes
22L0312-05	0.8100	11.6600	4.0800	3.27	30.14%	Yes
22L0312-06	0.8000	11.2200	3.6500	2.85	27.35%	Yes
22L0312-07	0.8000	11.6600	4.0700	3.27	30.11%	Yes
22L0312-08	0.8000	11.4400	5.1800	4.38	41.17%	Yes

TOTAL SOLIDS BENCHSHEET

Method HRSM01.2

(dry at 110 C)

Instrumentation

Batch:	BKL0335
Date:	12/16/22
Analyst:	TW
Drying Oven:	018
Analytical Balance:	24650344

Batch drying time

Record times as mm/dd/yy hh:mm			Oven Temp, C
Date/time in oven:	12/15/22	12:25	110
Date/time out:	12/16/22	0530	111
Elapsed hrs:	0.0		

TS (%) calculated as:

Final dry wt (g) = (Dry Wt - Tare Wt)

TS = (Final Dry Wt X 100)/ (sample & dish -dish tare)

Oven Temps, °C	
Start Temp:	110
End Temp:	111

SAMPLE ID	Dish Tare Wt (g)	Dish with Sample (g)	Dry Wt (g)	Solids Wt (g)	TS (%)	Sample Decanted
22L0307-29 A	0.80	11.71	6.83			No
22L0307-30	0.81	11.45	7.02			No
22L0307-31	0.81	11.57	6.86			No
22L0307-32	0.81	11.98	7.71			No
22L0307-33	0.80	11.46	9.42			No
22L0307-34	0.81	11.07	8.98			No Yes
22L0312-01	0.79	11.25	4.32			~~No~~ Ys
22L0312-02	0.81	11.10	8.31			~~No~~ Ys
22L0312-03	0.79	11.80	4.98			~~No~~ Ys
22L0312-04	0.80	11.54	5.31			~~No~~ Ys
22L0312-05	0.81	11.66	4.08			~~No~~ Ys
22L0312-06	0.80	11.22	3.65			~~No~~ Yes
22L0312-07	0.80	11.66	4.07			~~No~~ Yes
22L0312-08	0.80	11.44	8.18			~~No~~ Yes

Analytical Resources, Incorporated
Analytical Chemists and Consultants

Organic Extractions Laboratory Analyst Notes

Extraction Parameter: Dioxin

Extraction Batch

Total Solids Batch: BKL0335

Work Order(s): 22L0307, 22L0312

Screens: Soil/Sediment/Solid/Other:	Analyst/Date
☐ No Anomalies (standard soil/wet sediment/sand/gravel)=	
☑ Standing Water Decanted (Not shared)= 307-34, 312-01-08	TW 12/15/22
☐ Standing Water Homogenized (Shared samples)=	
☑ Clay/Clumps (Difficult to homogenize)= 307-29-32,	TW 12/15/22
☐ Rocks (%+size)?	
☑ Organics (Leaves/sticks/grass)= 307-30, 312,02, = ≤1% small roots	TW 12/15/22
☑ Oily, obvious fuel/sulfur odors= 307-29-34, 312-03,07	TW 12/15/22
☐ Received in 32oz jar(s)=Homogenized in Pyrex dish=	
☐ Previously Frozen =	
☒ Other (Details)= Roto-vaped up to Sample 22L0307-32 on 12/28/22	DP 12/28/22
Aqueous:	
☐ No Anomalies	
☐ Turbid/Color=	
☐ Particulates(%)=(Note: >5%=Notify Supervisor/Lead)	
☐ Emulsions (%)=	
☐ Oily, obvious fuel/sulfur odors=	
☐ Other (Details)=	
☐ Received in 1.0L Bottle(s)=No Bottle Rinse=	
☒ Other Notes/Comments= (Note problems, concerns, corrective actions).	
Could only weigh out samples on 12/22/22 due to	DP 12/22/22
hazardous weather conditions due for 12/23/22. Samples were	
Stored in Refrigerator R-40 until 12/27/22.	
☐ Share Samples Y / N	
☐ Multiple Jars Y / N	
☐ Sample Pre-Screens indicate analyte activity=	
☐ Sample weights/volumes reduced based on Pre-Screen=	

3056F

Revision 15
07/01/19

```
=====================================================================
Injection Date  : 12/15/2022 7:57:38 PM          Seq. Line :  29
Sample Name     : CS4                             Location : Vial 3
Acq. Operator   : TW                                   Inj :   1
                                                Inj Volume : 1 µl
Sequence File   : C:\HPCHEM\2\SEQUENCE\121522A.S
Method          : C:\HPCHEM\2\METHODS\DIOXIN.M
Last changed    : 3/22/2022 4:13:36 AM by DM
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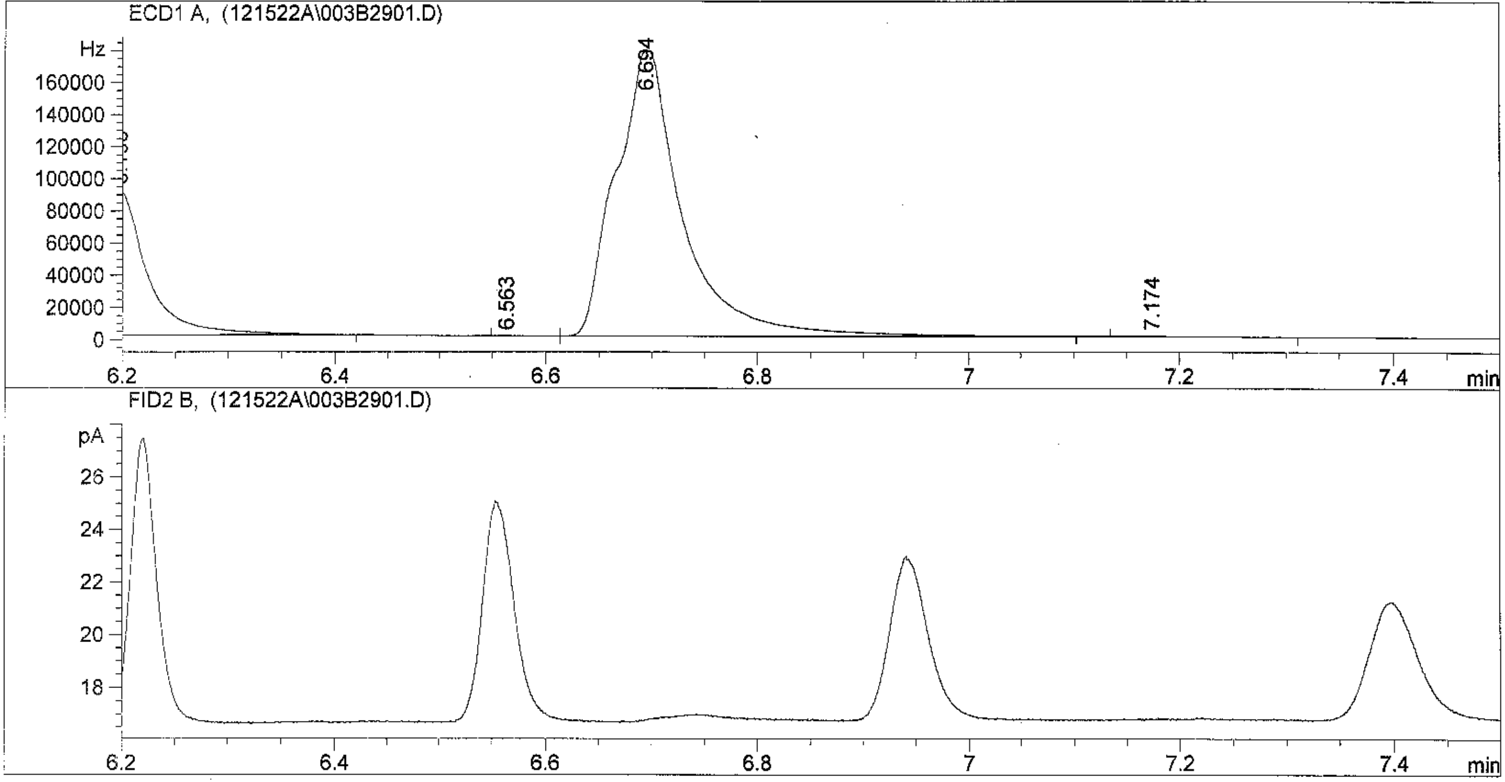


```
=====================================================================
                         Area Percent Report
=====================================================================

Sorted By             :      Signal
Multiplier            :      1.0000
Dilution              :      1.0000


Signal 1: ECD1 A,

Peak RetTime Type  Width     Area      Height     Area
  #   [min]        [min]   [Hz*s]      [Hz]         %
----|-------|----|-------|----------|----------|--------|
   1   5.296 BP    0.0127 891.47217  872.69391  0.02717
   2   5.363 VP    0.0345   67.49742   32.57380  0.00206
   3   5.510 VV S  0.0332 4.95285e5  1.98028e5 15.09439
   4   5.609 VV S  0.0458 7.19819e5  2.61779e5 21.93734
   5   5.671 VV S  0.0373 2.43113e5  1.08555e5  7.40916
   6   5.723 VV S  0.0560 2.97114e5  8.83934e4  9.05489
   7   5.968 VV S  0.0386 2.81176e5  1.21371e5  8.56916
   8   6.118 VV S  0.0387 2.10781e5  9.07992e4  6.42380
   9   6.198 VB S  0.0467 2.53113e5  9.02839e4  7.71390
  10   6.563 PP    0.0192   71.62710   44.52584  0.00218
  11   6.694 VB S  0.0542 7.79120e5  1.77601e5 23.74460
  12   7.174 BP    0.0541  535.41669  116.85674  0.01632
  13   7.586 PP  4.40e-3    3.69272   11.32402  0.00011
  14   7.658 BP    0.0310  161.65683   65.40012  0.00493

Totals :                 3.28125e6  1.13795e6
```

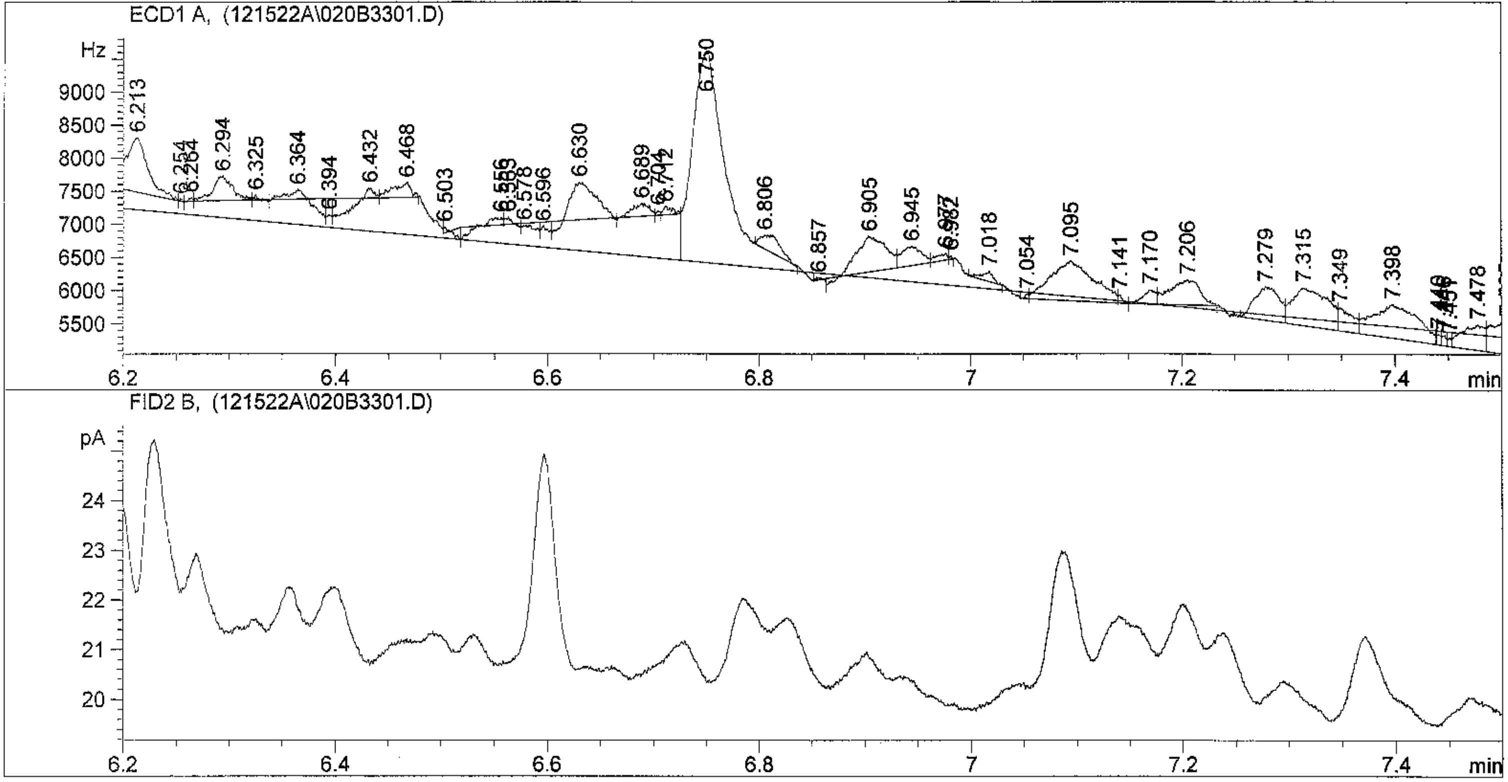
```
 Results obtained with enhanced integrator!

Signal 2: FID2 B,

=====================================================================
                          *** End of Report ***
```

```
Data File C:\HPCHEM\2\DATA\121522A\020B3301.D                    Sample Name: 22L0307 29

=====================================================================
Injection Date  : 12/15/2022 8:42:03 PM          Seq. Line :  33
Sample Name     : 22L0307 29                      Location : Vial 20
Acq. Operator   : TW                                   Inj :  1
                                               Inj Volume : 1 µl
Sequence File   : C:\HPCHEM\2\SEQUENCE\121522A.S
Method          : C:\HPCHEM\2\METHODS\DIOXIN.M
Last changed    : 3/22/2022 4:13:36 AM by DM
```



```
=====================================================================
                         Area Percent Report
=====================================================================

Sorted By             :      Signal
Multiplier            :      1.0000
Dilution              :      1.0000


Signal 1: ECD1 A,

Peak RetTime Type  Width     Area      Height     Area
  #   [min]        [min]   [Hz*s]      [Hz]         %
----|-------|----|-------|----------|----------|---------|
   1   5.214 BP    0.0000 2553.99609  496.45871  1.82756
   2   5.273 VV   6.74e-3  110.09496  209.13354  0.07878
   3   5.298 VP    0.0174 2161.73511 1573.66968  1.54687
   4   5.335 VV   4.85e-3  113.64717  311.62329  0.08132
   5   5.378 VV S  0.0463 3.37732e4 8727.11035 24.16702
   6   5.434 BV T  0.0140 1146.57971  997.75732  0.82046
   7   5.472 PB T  0.0128 1440.75989 1423.64380  1.03096
   8   5.586 BV T  0.0293 6902.07959 2803.00122  4.93890
   9   5.614 PV T  0.0231 4212.93994 2247.17798  3.01464
  10   5.673 PV T  0.0268 4743.92383 2233.89771  3.39460
  11   5.756 PV S  0.0521 2.25370e4 5354.08057 16.12673
  12   5.809 BV T  0.0172  627.14703  452.08667  0.44877
  13   5.842 PV T 4.06e-3   21.01768   75.32753  0.01504
  14   5.864 PV T  0.0133  417.04071  377.27966  0.29842
  15   5.898 PV T  0.0109  291.52435  330.21378  0.20861
  16   5.941 PV S  0.0649 3.61492e4 6662.62646 25.86716
  17   6.003 BV T  0.0130  488.77197  458.99194  0.34975
```

```
Peak RetTime Type  Width     Area      Height     Area
  #   [min]        [min]    [Hz*s]     [Hz]         %
----|-------|----|-------|----------|----------|--------|
  18   6.032 PB T 3.34e-3   16.07224   80.12772  0.01150
  19   6.062 BV T 2.22e-3    4.33840   32.49797  0.00310
  20   6.087 PV T  0.0143  338.09827  300.49591  0.24193
  21   6.106 PB T 3.71e-3   17.47072   78.42654  0.01250
  22   6.131 BV T 5.56e-3   42.40588   95.79613  0.03034
  23   6.153 PV T 9.44e-3  182.69225  286.35144  0.13073
  24   6.158 PV T 4.08e-3   72.25021  294.78040  0.05170
  25   6.164 PV T 5.83e-3  124.13245  354.60715  0.08883
  26   6.169 PV T  0.0138  415.80563  361.70328  0.29754
  27   6.189 PV T 4.86e-3   98.04965  336.26447  0.07016
  28   6.213 PV T  0.0190 1254.95691  822.74292  0.89801
  29   6.254 PV T 2.75e-3    4.49025   27.23673  0.00321
  30   6.264 PV T 2.51e-3    7.11723   43.49544  0.00509
  31   6.294 PV T  0.0166  464.66971  360.29279  0.33250
  32   6.325 PV T 1.90e-3    7.52579   65.92593  0.00539
  33   6.364 PV T  0.0000   28.79584  135.49449  0.02061
  34   6.394 PV T 4.92e-3   96.24831  248.28419  0.06887
  35   6.432 PV T  0.0000  229.28064  147.23936  0.16407
  36   6.468 PB T  0.0151  265.05780  216.44090  0.18967
  37   6.503 BP T  0.0000   39.57389   82.18188  0.02832
  38   6.556 PV T  0.0000    4.38757  106.54169  0.00314
  39   6.563 PV T 4.58e-3   28.60181  103.98611  0.02047
  40   6.578 PV T  0.0257   73.32915   33.83932  0.05247
  41   6.596 PV T  0.0146   81.28854   67.60647  0.05817
  42   6.630 PV T  0.0179  842.89362  569.83990  0.60315
  43   6.689 PV T  0.0132  202.18433  187.68433  0.14468
  44   6.704 PV T 3.60e-3   15.16578   70.11685  0.01085
  45   6.712 PV T 8.17e-3   68.36148  111.25018  0.04892
  46   6.750 PBAS  0.0105 2755.27930 3180.22412  1.97159
  47   6.806 BB T  0.0183  314.18475  207.61342  0.22482
  48   6.857 BV T 2.10e-3    4.69251   32.23782  0.00336
  49   6.905 PV T  0.0241  993.49597  528.38129  0.71091
  50   6.945 PV T  0.0161  377.38843  284.13507  0.27005
  51   6.977 PV T 9.85e-3   78.42094   98.88927  0.05612
  52   6.982 PB T 2.58e-3    8.66185   56.03919  0.00620
  53   7.018 BB T 9.81e-3  111.77161  151.47252  0.07998
  54   7.054 BV T 3.47e-3   13.98869   61.05922  0.01001
  55   7.095 PV T  0.0341 1675.08289  589.73389  1.19863
  56   7.141 PV T 4.59e-3   33.73944  122.37886  0.02414
  57   7.170 PV T  0.0112  180.04022  209.95056  0.12883
  58   7.206 PB T  0.0235  723.09991  368.73239  0.51743
  59   7.279 BV T  0.0198  811.55286  489.06631  0.58072
  60   7.315 PV T  0.0278 1321.14526  563.17084  0.94537
  61   7.349 PV T  0.0156  322.30002  343.36737  0.23063
  62   7.398 PV T  0.0352 1459.19800  501.40833  1.04415
  63   7.440 PV T 4.82e-3   44.59268  154.22070  0.03191
  64   7.446 PV T 4.77e-3   42.26258  147.52501  0.03024
  65   7.451 PV T 3.53e-3   27.43807  129.67543  0.01963
  66   7.478 PV T  0.0182  556.38538  377.89844  0.39813
  67   7.505 PV T  0.0200  803.15765  483.95514  0.57471
  68   7.520 PV T  0.0140  366.03833  434.91153  0.26193
  69   7.535 PV T  0.0169  351.37231  346.71228  0.25143
  70   7.617 PV T  0.0409 2458.38647  721.94507  1.75914
  71   7.671 PV T 7.76e-3  129.96390  279.19580  0.09300
  72   7.685 PV T 7.57e-3  169.82826  276.15643  0.12152
  73   7.698 PV T 8.32e-3  205.92410  311.01907  0.14735
  74   7.704 PV T  0.0192  526.27448  329.38412  0.37658
  75   7.745 PV T 4.21e-3   13.19743   52.24430  0.00944
  76   7.760 PV T 9.03e-3   68.49535  102.04845  0.04901
  77   7.771 PV T 6.53e-3   31.27082   79.78880  0.02238
  78   7.782 PBAT 9.84e-3   54.74632   73.88657  0.03917

Totals :                  1.39749e5  5.24438e4

 Results obtained with enhanced integrator!
```

```
Signal 2: FID2 B,

=====================================================================
                          *** End of Report ***
```

```
=====================================================================
Injection Date  : 12/15/2022 8:53:13 PM          Seq. Line :  34
Sample Name     : 22L0307 30                      Location : Vial 21
Acq. Operator   : TW                                   Inj :   1
                                              Inj Volume : 1 µl
Sequence File   : C:\HPCHEM\2\SEQUENCE\121522A.S
Method          : C:\HPCHEM\2\METHODS\DIOXIN.M
Last changed    : 3/22/2022 4:13:36 AM by DM
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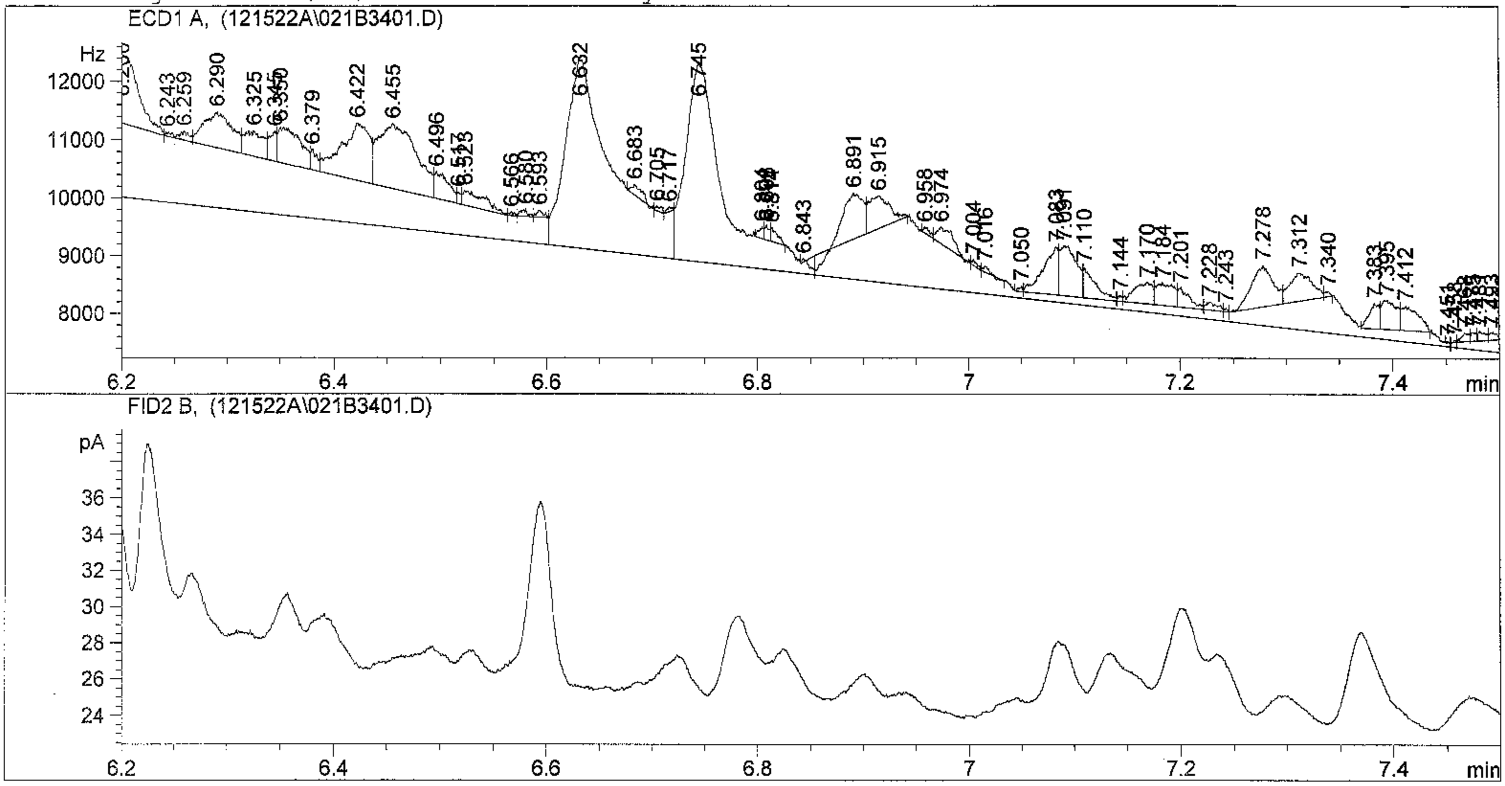


```
=====================================================================
                         Area Percent Report
=====================================================================

Sorted By             :      Signal
Multiplier            :      1.0000
Dilution              :      1.0000


Signal 1: ECD1 A,

Peak RetTime Type  Width     Area       Height     Area
  #   [min]        [min]   [Hz*s]       [Hz]         %
----|-------|----|-------|----------|----------|--------|
   1   5.243 BP   9.66e-3  257.34308  324.34985  0.11892
   2   5.297 VV S  0.0194 4505.29297 3027.62988  2.08199
   3   5.333 BV T 8.02e-3  127.38099  217.86150  0.05887
   4   5.372 VV S  0.0209 7208.42285 4551.64746  3.33116
   5   5.432 VV S  0.0325 7957.78809 4077.57739  3.67745
   6   5.472 VV S  0.0232 1.19162e4 8548.34375  5.50672
   7   5.504 VV S  0.1293 1.68377e4 2170.46606  7.78103
   8   5.560 BV T  0.0163  810.84650  660.93787  0.37471
   9   5.588 VV T  0.0177 1525.71350 1122.03271  0.70506
  10   5.609 VV T 4.24e-3   60.29395  193.31741  0.02786
  11   5.621 VV T  0.0000  164.59807  140.34662  0.07606
  12   5.644 VV T 7.54e-3  396.30301  647.38013  0.18314
  13   5.674 VV T  0.0000  468.15680   79.49211  0.21634
  14   5.691 VV S  0.0215 7916.12158 5034.62061  3.65820
  15   5.752 VV S  0.0300 1.51823e4 8430.48242  7.01604
  16   5.868 VV S  0.0623 2.19442e4 4489.36768 10.14085
  17   5.938 VV S  0.0356 1.01384e4 4740.09131  4.68517
```

```
 Peak RetTime Type  Width     Area       Height      Area
  #    [min]        [min]    [Hz*s]       [Hz]         %
 ----|-------|----|-------|----------|----------|---------|
   18   5.999 VV S  0.0499 1.34572e4  4490.76904  6.21884
   19   6.038 VV S  0.2521 3.48338e4  2302.89160 16.09738
   20   6.063 BV T 4.36e-3   24.79008   94.82140  0.01146
   21   6.083 VV T  0.0255 1887.91809  893.34735  0.87244
   22   6.133 PV T  0.0102  231.25818  293.58618  0.10687
   23   6.163 PV T  0.0158  714.95270  587.07227  0.33039
   24   6.200 PV T  0.0266 2566.64844 1153.82654  1.18610
   25   6.243 PV T 7.48e-3   29.70300   66.21761  0.01373
   26   6.259 PV T 7.85e-3   92.49248  148.88289  0.04274
   27   6.290 PV T  0.0227 1131.19739  607.34302  0.52275
   28   6.325 PV T  0.0173  536.74542  439.35861  0.24804
   29   6.345 PV T 6.38e-3  243.61786  508.93716  0.11258
   30   6.350 PV T  0.0178  897.94226  607.47601  0.41496
   31   6.379 PV T 6.97e-3  145.44624  347.70822  0.06721
   32   6.422 PV T  0.0221 1800.11279  986.51215  0.83187
   33   6.455 PV T  0.0301 2787.13599 1111.60596  1.28799
   34   6.496 PV T  0.0113  431.82590  461.07343  0.19956
   35   6.517 PV T 4.21e-3   50.65110  200.32216  0.02341
   36   6.523 PV T  0.0184  386.05154  250.19147  0.17840
   37   6.566 PV T 4.33e-3   18.23863   57.02686  0.00843
   38   6.580 PV T 6.27e-3   57.08061  117.49701  0.02638
   39   6.593 PV T 6.18e-3   55.51582  120.40813  0.02565
   40   6.632 PV S  0.0393 1.05781e4  3225.48828  4.88834
   41   6.683 BV T 9.35e-3  130.94379  178.73508  0.06051
   42   6.705 PV T 7.60e-3   34.07703   74.71107  0.01575
   43   6.717 PV T 4.25e-3   25.00808   79.86824  0.01156
   44   6.745 PBAS  0.0815 2.34275e4  3418.97363 10.82633
   45   6.804 BV T 4.36e-3   64.36844  199.71872  0.02975
   46   6.808 PV T 5.18e-3   74.33688  239.05762  0.03435
   47   6.814 PB T 7.42e-3  105.10239  235.95653  0.04857
   48   6.843 BV T  0.0000   67.97221   56.62828  0.03141
   49   6.891 PV T  0.0140  913.14008  796.28204  0.42198
   50   6.915 PB T  0.0170  781.85974  562.13123  0.36131
   51   6.958 BV T 5.55e-3   42.09309   95.40268  0.01945
   52   6.974 PV T  0.0142  328.47009  282.43994  0.15179
   53   7.004 PV T 5.39e-3   30.71648   94.94901  0.01419
   54   7.016 PB T 4.13e-3   30.17668   99.84550  0.01395
   55   7.050 BV T 3.36e-3   22.51953   95.08833  0.01041
   56   7.083 PV T  0.0126  823.15717  812.52368  0.38040
   57   7.091 PV T  0.0137  972.69873  855.76672  0.44950
   58   7.110 PV T  0.0135  419.11249  515.85913  0.19368
   59   7.144 PV T 4.19e-3   24.58364   97.75379  0.01136
   60   7.170 PV T  0.0145  436.59015  365.81018  0.20176
   61   7.184 PV T  0.0142  445.19614  382.10730  0.20573
   62   7.201 PV T  0.0127  256.17575  337.05658  0.11838
   63   7.228 PV T  0.0102  107.65670  139.31740  0.04975
   64   7.243 PV T 3.29e-3   11.73699   59.53155  0.00542
   65   7.278 PV T  0.0175 1031.05493  712.41931  0.47647
   66   7.312 PV T  0.0183  715.43512  481.36203  0.33062
   67   7.340 PB T 5.14e-3   32.81857   92.47314  0.01517
   68   7.383 BV T 8.33e-3  287.20801  433.35522  0.13272
   69   7.395 PV T  0.0118  484.63879  506.31543  0.22396
   70   7.412 PB T  0.0140  460.11838  417.83307  0.21263
   71   7.451 BV T 3.58e-4 3.42323e-1   15.92888  0.00016
   72   7.458 PV T 1.68e-3    2.32824   32.03639  0.00108
   73   7.468 PV T 7.14e-3   69.51102  132.16724  0.03212
   74   7.475 PV T 6.07e-3   52.29319  143.57805  0.02417
   75   7.481 PV T 8.16e-3   78.08880  159.58641  0.03609
   76   7.493 PV T 6.42e-3   62.72805  130.29346  0.02899
   77   7.503 PV T 6.74e-3   39.10474   96.72122  0.01807
   78   7.512 PB T 4.54e-3   19.33128   70.98399  0.00893
   79   7.532 BB T 2.23e-3    5.06234   37.89425  0.00234
   80   7.556 BV T 2.42e-3   10.68245   61.68211  0.00494
   81   7.567 PV T  0.0107    8.25548   12.89927  0.00382
   82   7.620 PV T  0.0295 2233.26001  903.03619  1.03203
```

```
Peak RetTime Type  Width     Area      Height     Area
  #   [min]        [min]   [Hz*s]      [Hz]        %
----|-------|----|-------|----------|----------|--------|
  83   7.650 PV T  0.0108 337.60214  418.35379  0.15601
  84   7.670 PV T 5.56e-3  76.12498  194.89119  0.03518
  85   7.678 PV T 5.36e-3  60.30093  147.80457  0.02787
  86   7.704 PV T 9.74e-3 108.77412  138.84904  0.05027
  87   7.709 PB T 9.10e-3  69.18002  126.71780  0.03197
  88   7.752 BV T 4.28e-3  17.12421   66.75272  0.00791
  89   7.769 PV T 9.03e-3  81.16300  112.34617  0.03751
  90   7.786 PBAT 9.11e-3 100.86566  138.26785  0.04661

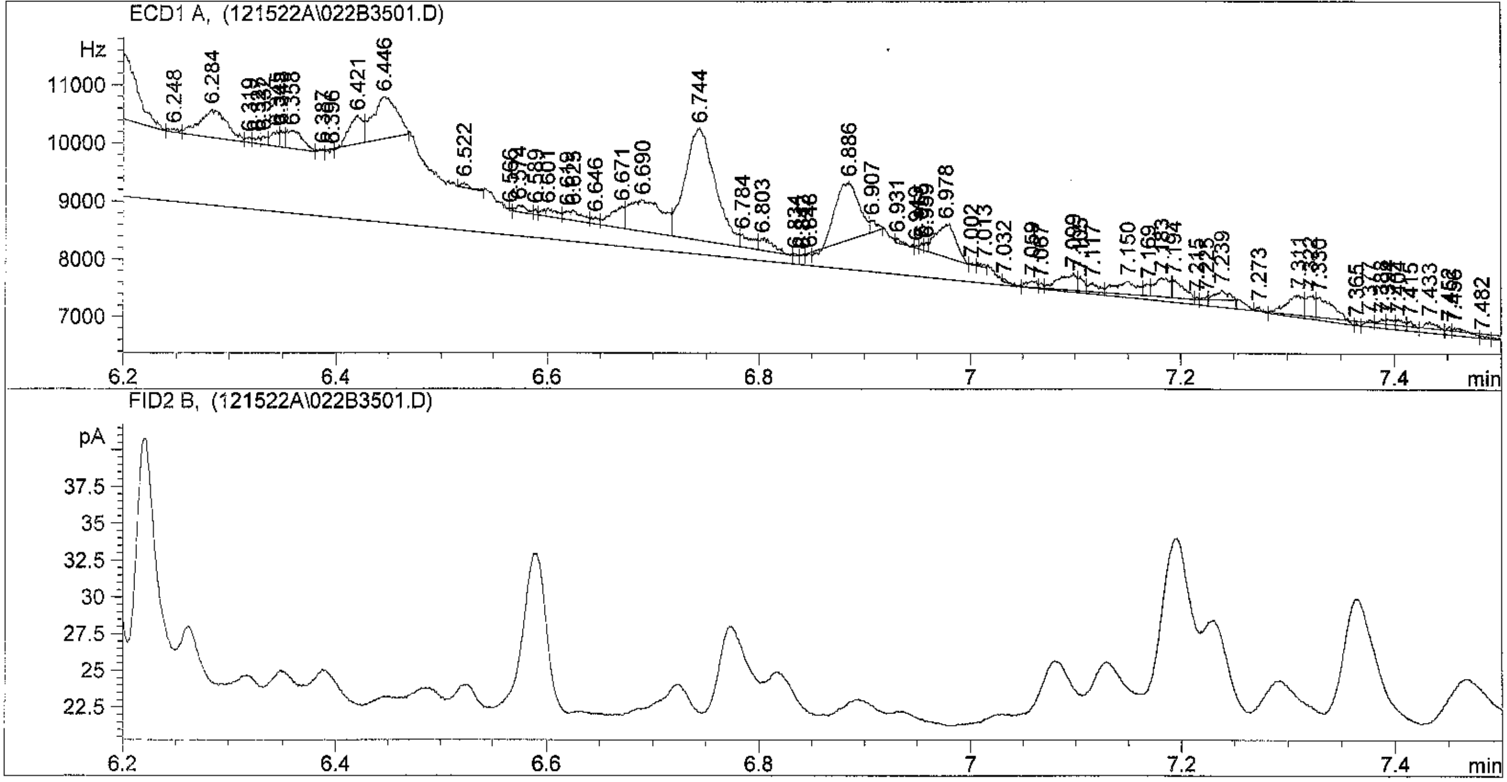
Totals :                 2.16394e5  8.33884e4

 Results obtained with enhanced integrator!

Signal 2: FID2 B,

=====================================================================
                          *** End of Report ***
```

```
=====================================================================
Injection Date  : 12/15/2022 9:04:08 PM          Seq. Line :  35
Sample Name     : 22L0307 31                      Location : Vial 22
Acq. Operator   : TW                                   Inj :  1
                                                Inj Volume : 1 µl
Sequence File   : C:\HPCHEM\2\SEQUENCE\121522A.S
Method          : C:\HPCHEM\2\METHODS\DIOXIN.M
Last changed    : 3/22/2022 4:13:36 AM by DM
```



```
=====================================================================
                         Area Percent Report
=====================================================================

Sorted By             :      Signal
Multiplier            :      1.0000
Dilution              :      1.0000


Signal 1: ECD1 A,

Peak RetTime Type  Width     Area       Height      Area
  #   [min]        [min]    [Hz*s]       [Hz]        %
----|-------|----|-------|----------|----------|--------|
   1   5.217 BV    0.0000    2.83693   68.50677  0.00176
   2   5.244 VP    0.0131   86.43810  109.98679  0.05371
   3   5.288 VV    0.0156  542.20905  434.71350  0.33693
   4   5.305 VV   7.70e-3  112.53660  184.81886  0.06993
   5   5.320 VV   3.52e-3   35.46172  141.76512  0.02204
   6   5.334 VV   9.47e-3  252.15353  355.74826  0.15669
   7   5.370 VV    0.0233 3342.21021 1735.62256  2.07687
   8   5.394 VV   7.17e-3  458.46298 1065.00500  0.28489
   9   5.404 VV    0.0114 1100.51196 1207.74146  0.68386
  10   5.435 VV S  0.1432 5.07053e4  4159.17432 31.50853
  11   5.478 BV T 5.03e-3   50.12368  126.22794  0.03115
  12   5.484 VV T 3.20e-3   36.94502  165.50285  0.02296
  13   5.507 VV T  0.0126  729.91150  731.16565  0.45357
  14   5.555 VV T 7.05e-3  203.00444  379.16803  0.12615
  15   5.570 VV T 8.63e-3  343.83850  499.49866  0.21366
  16   5.578 VV T 6.39e-3  266.41864  576.72131  0.16555
  17   5.584 VV T  0.0125  658.47235  632.85822  0.40918
```

```
Peak RetTime Type  Width     Area      Height     Area
  #   [min]        [min]   [Hz*s]      [Hz]         %
----|-------|----|-------|----------|----------|--------|
  18   5.622 VV T  0.0148  709.06842  589.74329  0.44062
  19   5.625 VV T 9.71e-3  356.62473  612.14905  0.22161
  20   5.642 VV T 7.31e-3  251.65211  496.93256  0.15638
  21   5.688 VV T  0.0269 2736.35571 1231.44739  1.70039
  22   5.708 VV T  0.0131  858.90948  840.76715  0.53373
  23   5.725 VV T 9.34e-3  510.81540  697.60583  0.31742
  24   5.750 VV T  0.0177 1057.16846  736.58868  0.65693
  25   5.775 VV T 4.41e-3   35.15897  132.85013  0.02185
  26   5.786 VV T 8.07e-3  113.18429  176.85100  0.07033
  27   5.808 VV T  0.0167 1169.03320  859.26184  0.72644
  28   5.834 VV T 3.46e-3   64.24696  262.26868  0.03992
  29   5.864 VV T  0.0161 1820.43298 1407.55725  1.13123
  30   5.882 VV T  0.0154 1250.21680  986.24677  0.77689
  31   5.935 VV S  0.0326 1.17095e4  4552.87158  7.27636
  32   6.001 VBAS  0.3053 5.49538e4  2999.67773 34.14856
  33   6.026 BV T  0.0159  228.08875  172.12846  0.14174
  34   6.073 VV T  0.0183  817.81299  584.62024  0.50819
  35   6.101 VV T  0.0191  815.91315  514.52338  0.50701
  36   6.125 PV T  0.0107  176.33672  274.88013  0.10958
  37   6.155 PV T  0.0162  735.41095  563.15454  0.45699
  38   6.189 PV T  0.0258 2937.61353 1368.52283  1.82545
  39   6.248 PV T 8.77e-3   33.29729   63.24358  0.02069
  40   6.284 PV T  0.0217  863.15381  486.27426  0.53637
  41   6.319 PV T 4.45e-3   30.24014   91.70031  0.01879
  42   6.327 PV T 4.86e-3   44.35336  121.35858  0.02756
  43   6.332 PV T 5.69e-3   50.28731  147.18611  0.03125
  44   6.345 PV T 6.08e-3  121.60607  259.00687  0.07557
  45   6.348 PV T 5.43e-3   92.05279  282.57626  0.05720
  46   6.358 PV T  0.0175  321.51291  306.57489  0.19979
  47   6.387 PV T 3.75e-3    6.43257   23.82194  0.00400
  48   6.396 PV T  0.0157   14.80754   11.55627  0.00920
  49   6.421 PV T  0.0114  436.12033  478.59448  0.27101
  50   6.446 PB T  0.0198 1153.95435  721.97833  0.71707
  51   6.522 BB T 5.12e-3   36.53545   90.30425  0.02270
  52   6.566 BV T 1.83e-3    5.23388   47.68969  0.00325
  53   6.574 PV T 8.45e-3   78.51877  119.71560  0.04879
  54   6.589 PV T 2.75e-3   16.06734   97.25243  0.00998
  55   6.601 PV T  0.0121  129.57684  133.45290  0.08052
  56   6.619 PV T 5.66e-3   62.92412  139.50688  0.03910
  57   6.625 PV T  0.0120  122.95610  170.61150  0.07641
  58   6.646 PV T 6.02e-3   53.92765  115.98783  0.03351
  59   6.671 PV T  0.0110  324.78201  371.77194  0.20182
  60   6.690 PV T  0.0269 1199.93457  536.36945  0.74565
  61   6.744 PV T  0.0244 3815.75366 1920.66479  2.37113
  62   6.784 PV T  0.0135  176.61642  218.75581  0.10975
  63   6.803 PV T  0.0109  185.91145  207.05028  0.11553
  64   6.834 PV T 4.43e-3    7.57046   24.35421  0.00470
  65   6.842 PV T  0.0000 3.27426e-1   10.49149  0.00020
  66   6.848 PV T  0.3376    8.46709 2.93430e-1  0.00526
  67   6.886 PV T  0.0189 1516.39136  988.32806  0.94229
  68   6.907 PB T 7.62e-3   91.91425  201.04434  0.05712
  69   6.931 BV T 6.45e-3   33.18204   85.78137  0.02062
  70   6.949 PV T 4.25e-3    9.76708   38.31517  0.00607
  71   6.955 PV T 2.68e-3   21.26093  119.35479  0.01321
  72   6.959 PV T 3.91e-3   31.80319  135.54999  0.01976
  73   6.978 PV T  0.0158  746.16962  566.65820  0.46367
  74   7.002 PV T 4.19e-3    7.19044   28.61669  0.00447
  75   7.013 PB T 4.72e-3   19.28193   54.62050  0.01198
  76   7.032 BV T 3.45e-3    9.40472   45.39770  0.00584
  77   7.059 PV T 8.84e-3   73.55309  107.97665  0.04571
  78   7.067 PV T 4.39e-3   21.33739   80.93786  0.01326
  79   7.099 PV T  0.0137  324.51202  297.69199  0.20165
  80   7.105 PV T 6.34e-3   92.17867  242.43210  0.05728
  81   7.117 PV T 8.92e-3  102.29625  154.61876  0.06357
  82   7.150 PV T  0.0173  323.46082  228.75708  0.20100
```

```
Peak RetTime Type  Width     Area       Height      Area
  #   [min]        [min]   [Hz*s]       [Hz]         %
----|-------|----|-------|----------|----------|--------|
  83   7.169 PV T 5.74e-3   81.70773  201.18292  0.05077
  84   7.183 PV T  0.0125  330.18045  328.26434  0.20518
  85   7.194 PV T  0.0127  233.40489  307.03772  0.14504
  86   7.215 PV T 2.65e-3    6.53924   41.16856  0.00406
  87   7.225 PV T 4.37e-3   14.14582   55.55114  0.00879
  88   7.239 PB T 9.91e-3  142.08627  177.96632  0.08829
  89   7.273 BV T 4.45e-3   19.47961   72.93049  0.01210
  90   7.311 PV T  0.0140  432.72385  389.21152  0.26890
  91   7.322 PV T 7.68e-3  239.31129  405.87842  0.14871
  92   7.330 PV T  0.0149  488.29712  397.89227  0.30343
  93   7.365 PV T 2.73e-3    7.56318   46.20249  0.00470
  94   7.377 PV T 6.21e-3   59.22352  123.23640  0.03680
  95   7.388 PV T 6.09e-3   78.17723  160.27759  0.04858
  96   7.394 PV T 7.80e-3   78.79605  168.46396  0.04896
  97   7.404 PV T 8.98e-3   97.58173  181.02324  0.06064
  98   7.415 PV T 8.36e-3   82.91057  165.38374  0.05152
  99   7.433 PV T  0.0130  187.51712  191.85730  0.11652
 100   7.452 PV T 4.40e-3   43.45510  140.63333  0.02700
 101   7.456 PV T  0.0172  136.34882  132.24644  0.08473
 102   7.482 PV T 6.97e-3   18.05150   43.17173  0.01122
 103   7.512 PV T 9.17e-3   59.71928   89.62850  0.03711
 104   7.518 PB T  0.0139   61.03308   73.14957  0.03793
 105   7.561 BV T 3.78e-3    6.24777   28.28056  0.00388
 106   7.605 PV T  0.0169  340.82669  243.27170  0.21179
 107   7.632 PV T  0.0153  464.17917  367.32346  0.28844
 108   7.652 PV T  0.0288 1295.80286  535.37189  0.80522
 109   7.691 PV T  0.0250  774.89154  383.75403  0.48152
 110   7.788 PV T 8.15e-3   58.51796   88.03833  0.03636
 111   7.792 PBAT 6.11e-3   36.09756   98.41438  0.02243

Totals :                  1.60926e5  4.88459e4

 Results obtained with enhanced integrator!

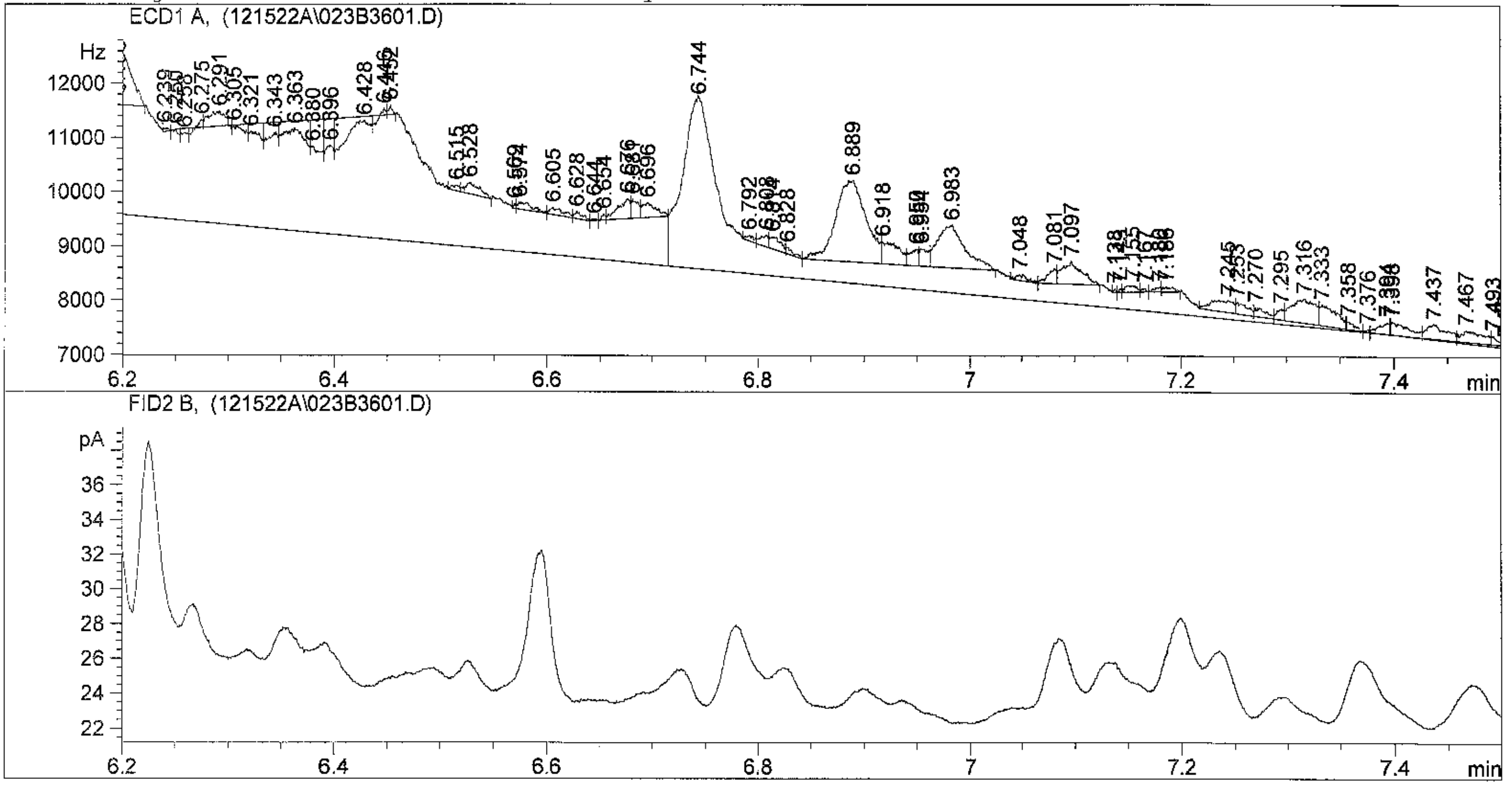
Signal 2: FID2 B,

Peak RetTime Type  Width     Area       Height      Area
  #   [min]        [min]   [pA*s]       [pA]         %
----|-------|----|-------|----------|----------|--------|
   1   5.283 PP    0.0159   26.64286   25.32841 26.24110
   2   5.613 PP    0.0145   22.19533   23.81246 21.86063
   3   5.754 BB    0.0253   52.69287   28.32001 51.89828

Totals :                   101.53106   77.46088

 Results obtained with enhanced integrator!
======================================================================
                          *** End of Report ***
```

```
=====================================================================
Injection Date  : 12/15/2022 9:15:17 PM          Seq. Line :  36
Sample Name     : 22L0307 32                      Location : Vial 23
Acq. Operator   : TW                                   Inj :  1
                                              Inj Volume : 1 µl
Sequence File   : C:\HPCHEM\2\SEQUENCE\121522A.S
Method          : C:\HPCHEM\2\METHODS\DIOXIN.M
Last changed    : 3/22/2022 4:13:36 AM by DM
```


ECD1 A, (121522A\023B3601.D)

FID2 B, (121522A\023B3601.D)

```
=====================================================================
                        Area Percent Report
=====================================================================

Sorted By             :      Signal
Multiplier            :      1.0000
Dilution              :      1.0000


Signal 1: ECD1 A,

Peak RetTime Type  Width     Area      Height     Area
  #   [min]        [min]   [Hz*s]      [Hz]        %
----|-------|----|-------|----------|----------|--------|
   1   5.206 BP   7.66e-3  131.32512  216.89246  0.06781
   2   5.236 VV   2.24e-3    7.82705   55.84376  0.00404
  -3   5.246 VP   8.88e-3  187.62665  264.44620  0.09688
   4   5.289 VV    0.0149  461.54071  393.36636  0.23832
   5   5.306 VV   7.52e-3  180.31529  303.92599  0.09311
   6   5.311 VV   9.16e-3  242.63142  323.03586  0.12528
   7   5.337 VV   9.37e-3  285.67792  379.86526  0.14751
   8   5.342 VV   3.25e-3   81.63788  359.82892  0.04215
   9   5.368 VV    0.0266 3881.39697 1767.17627  2.00415
  10   5.397 VV    0.0118 1395.85278 1422.31396  0.72074
  11   5.436 VV S  0.1851 5.50195e4  3509.47046 28.40918
  12   5.476 BV T 8.40e-3  156.65822  228.37511  0.08089
  13   5.512 VV T 9.45e-3  295.80386  475.80331  0.15274
  14   5.557 PV T 3.18e-3   82.12125  344.80994  0.04240
  15   5.584 VV T  0.0123  511.76105  546.59705  0.26425
  16   5.593 VV T 7.92e-3  120.69330  254.13763  0.06232
  17   5.621 VV T 9.38e-3  320.69861  425.95721  0.16559
```

```
Peak RetTime Type  Width     Area       Height      Area
  #   [min]        [min]    [Hz*s]       [Hz]        %
----|-------|----|-------|----------|----------|--------|
  18   5.688 VV T  0.0173 1646.88770 1181.57397  0.85037
  19   5.692 VV T  0.0121  896.12048 1236.66016  0.46271
  20   5.712 VV T 8.08e-3  173.94969  358.80939  0.08982
  21   5.728 VV T  0.0106  241.89600  294.53839  0.12490
  22   5.755 VV T  0.0106  389.95935  476.15311  0.20135
  23   5.777 VV T  0.0105   34.61129   55.08965  0.01787
  24   5.812 VV T  0.0150  728.74677  635.91162  0.37629
  25   5.867 VV T  0.0161 2529.55469 1926.14062  1.30613
  26   5.879 VV T  0.0169 2404.11987 1700.57654  1.24136
  27   5.937 VV S  0.0299 1.12439e4  5148.42285  5.80575
  28   6.002 VV S  0.2659 7.54299e4  3382.70093 38.94802
  29   6.065 BV T 4.29e-3   64.48602  215.65770  0.03330
  30   6.072 VV T 6.12e-3  170.57173  347.75146  0.08807
  31   6.082 VV T 9.78e-3  232.59381  396.49292  0.12010
  32   6.098 VB T  0.0177  763.13922  525.91364  0.39404
  33   6.163 BV T  0.0132  315.71518  292.73001  0.16302
  34   6.196 PB T  0.0194 1707.07922 1103.44104  0.88145
  35   6.239 BV T 4.90e-3   19.43751   66.09286  0.01004
  36   6.250 PV T  0.0000   19.76494   10.50151  0.01021
  37   6.258 PV T 7.56e-3   48.94538   82.05009  0.02527
  38   6.275 PV T 1.42e-3   10.02143  143.33403  0.00517
  39   6.291 PV T  0.0124  278.08322  269.47491  0.14359
  40   6.305 PV T  0.0805   78.50430   16.24574  0.04054
  41   6.321 PV T  0.0207  175.43108  141.30659  0.09058
  42   6.343 PV T  0.0152  224.61635  187.75397  0.11598
  43   6.363 PV T  0.0374  475.28836  149.96214  0.24541
  44   6.380 PV T  0.0145  431.32938  496.40646  0.22272
  45   6.396 PV T 8.23e-3  308.94507  498.67255  0.15952
  46   6.428 PV T  0.0929  597.59753   75.53565  0.30857
  47   6.446 PV T  0.0000   27.61550  117.47396  0.01426
  48   6.452 PB T 3.31e-3   39.68895  170.63759  0.02049
  49   6.515 BV T 7.17e-3   49.93113  102.05451  0.02578
  50   6.528 PB T  0.0120  197.19031  209.84222  0.10182
  51   6.569 BV T 2.23e-3   11.34680   84.84583  0.00586
  52   6.574 PV T  0.0161  122.05650  126.28799  0.06302
  53   6.605 PV T  0.0119  117.73820  127.85406  0.06079
  54   6.628 PV T 6.67e-3   64.54733  124.02849  0.03333
  55   6.644 PV T 3.54e-3    7.54604   29.92596  0.00390
  56   6.654 PV T 3.33e-3   25.62221  109.43959  0.01323
  57   6.676 PV T  0.0101  285.46088  372.17719  0.14740
  58   6.681 PV T 7.95e-3  164.78346  345.58487  0.08509
  59   6.696 PV T  0.0116  244.45967  264.30829  0.12623
  60   6.744 PBAS  0.0602 1.62333e4  3175.61084  8.38203
  61   6.792 BV T 6.53e-3   47.80860   97.39072  0.02469
  62   6.808 PV T 6.66e-3  106.58817  212.13388  0.05504
  63   6.814 PV T  0.0124  163.98857  220.73758  0.08468
  64   6.828 PV T 8.27e-3   58.00651  116.93954  0.02995
  65   6.889 PV T  0.0242 3037.60498 1502.18127  1.56846
  66   6.918 PV T  0.0184  443.61954  401.80377  0.22906
  67   6.950 PV T 7.59e-3  173.47310  299.74774  0.08957
  68   6.954 PV T 9.66e-3  180.43967  311.36111  0.09317
  69   6.983 PB T  0.0223 1407.77979  771.84485  0.72690
  70   7.048 BV T 9.43e-3   75.88672  100.23208  0.03918
  71   7.081 PV T 7.66e-3  155.99901  265.37796  0.08055
  72   7.097 PB T  0.0154  525.17004  412.60684  0.27117
  73   7.138 BV T 2.02e-3    7.42912   61.21414  0.00384
  74   7.143 PV T 2.43e-3   10.12869   64.59351  0.00523
  75   7.155 PV T 9.61e-3   91.47382  115.84959  0.04723
  76   7.167 PV T 3.90e-3   19.87422   70.36725  0.01026
  77   7.180 PV T 6.78e-3   35.64134   77.22546  0.01840
  78   7.186 PB T  0.0114   60.65763   88.33006  0.03132
  79   7.245 BV T  0.0163  299.19574  221.97649  0.15449
  80   7.253 PV T  0.0134  160.51945  200.27455  0.08288
  81   7.270 PV T  0.0127  120.82669  158.09409  0.06239
  82   7.295 PV T 6.12e-3   86.80305  190.47214  0.04482
```

```
Peak RetTime Type  Width     Area      Height     Area
  #   [min]         [min]   [Hz*s]      [Hz]        %
----|-------|----|-------|----------|----------|--------|
  83   7.316 PV T  0.0186  681.21356  441.71011  0.35174
  84   7.333 PV T  0.0187  423.13770  376.72638  0.21849
  85   7.358 PV T 8.65e-3   71.86124  138.53516  0.03711
  86   7.376 PV T 3.54e-3    9.14039   43.01916  0.00472
  87   7.394 PV T 8.09e-3  139.87827  217.87448  0.07223
  88   7.398 PV T  0.0209  287.20761  229.30037  0.14830
  89   7.437 PV T  0.0164  385.40594  281.80087  0.19900
  90   7.467 PV T  0.0187  358.61703  231.14244  0.18517
  91   7.493 PV T 7.47e-3   85.19566  190.13445  0.04399
  92   7.504 PV T 5.62e-3   43.95164  102.09936  0.02269
  93   7.516 PV T 6.18e-3   65.00767  135.89371  0.03357
  94   7.523 PB T 8.89e-3  106.40095  149.73743  0.05494
  95   7.581 BV T 6.98e-3   37.56032   81.51260  0.01939
  96   7.608 PV T  0.0147  238.54895  196.87898  0.12317
  97   7.641 PV T  0.0131  249.06715  232.76123  0.12861
  98   7.658 PV T  0.0116  248.81970  263.69531  0.12848
  99   7.663 PV T 9.35e-3  125.04821  222.97119  0.06457
 100   7.676 PB T 8.52e-3   87.73486  126.01951  0.04530
 101   7.704 BV T 6.54e-3   23.06842   58.76514  0.01191
 102   7.713 PV T 6.98e-3   24.76080   59.12873  0.01279
 103   7.724 PV T 3.48e-3   10.62444   50.85767  0.00549
 104   7.732 PV T 7.79e-3   26.54147   45.59929  0.01370
 105   7.744 PV T  0.0132   56.61486   71.58553  0.02923
 106   7.774 PV T 2.21e-3    3.60597   26.14485  0.00186
 107   7.783 PV T  0.0000   12.61339    3.31833  0.00651
 108   7.798 PBAT  0.0000    2.00500   29.14429  0.00104

Totals :                  1.93668e5  4.80149e4

 Results obtained with enhanced integrator!

Signal 2: FID2 B,

=====================================================================
                          *** End of Report ***
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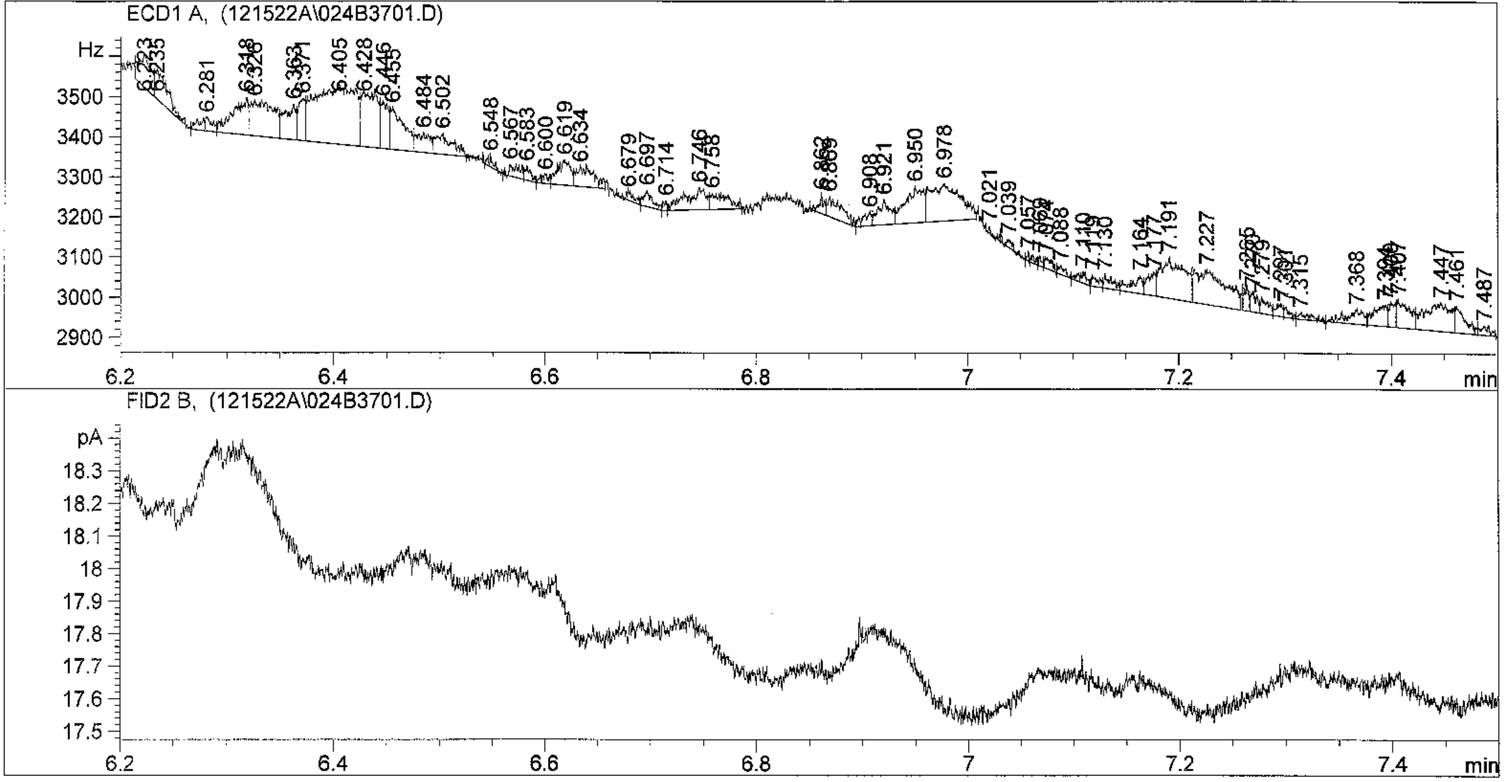
```
=====================================================================
Injection Date  : 12/15/2022 9:26:13 PM          Seq. Line :  37
Sample Name     : 22L0307 33                      Location : Vial 24
Acq. Operator   : TW                                   Inj :  1
                                                Inj Volume : 1 µl
Sequence File   : C:\HPCHEM\2\SEQUENCE\121522A.S
Method          : C:\HPCHEM\2\METHODS\DIOXIN.M
Last changed    : 3/22/2022 4:13:36 AM by DM
```



```
=====================================================================
                         Area Percent Report
=====================================================================

Sorted By             :      Signal
Multiplier            :      1.0000
Dilution              :      1.0000


Signal 1: ECD1 A,

Peak RetTime Type  Width     Area      Height     Area
  #   [min]        [min]   [Hz*s]     [Hz]        %
----|-------|----|-------|----------|----------|--------|
   1   5.214 BP   8.13e-3   18.08886   29.60926  0.19891
   2   5.313 VV    0.0380  343.30569  113.19570  3.77503
   3   5.353 VV    0.0278  259.19556  111.84151  2.85015
   4   5.385 VV    0.0142  137.38676  117.53360  1.51072
   5   5.400 VV    0.0170  163.63969  121.11797  1.79940
   6   5.454 VV    0.0374  220.59598   71.09285  2.42570
   7   5.477 VV    0.0159  110.16159   84.13699  1.21135
   8   5.517 VV    0.0130   81.18666   76.62847  0.89274
   9   5.538 VV    0.0111  122.00713  135.15599  1.34161
  10   5.549 VV    0.0164  168.34479  125.54178  1.85114
  11   5.582 VV    0.0130  125.16036  132.36252  1.37628
  12   5.613 VV    0.0192  266.44339  167.39166  2.92985
  13   5.635 VV    0.0190  299.87915  188.37735  3.29751
  14   5.677 VV    0.0299  596.96075  242.40157  6.56426
  15   5.702 VV    0.0123  215.45828  210.58189  2.36921
  16   5.723 VV    0.0108  167.90282  192.35539  1.84628
  17   5.769 BV    0.0125  134.92944  136.62251  1.48370
```

```
 Peak RetTime Type  Width     Area      Height     Area
  #    [min]        [min]    [Hz*s]     [Hz]        %
 ----|-------|----|-------|----------|----------|--------|
   18   5.792 VV    0.0136  167.77411  150.55380  1.84487
   19   5.846 VV    0.0311  609.43799  234.79488  6.70146
   20   5.870 VV    0.0129  234.65974  223.20810  2.58035
   21   5.877 VV  9.11e-3   153.62276  210.57761  1.68926
   22   5.899 VV    0.0152  195.35211  158.74803  2.14812
   23   5.919 VV  9.95e-3   117.55381  146.64561  1.29264
   24   5.952 VV    0.0232  259.01309  138.61951  2.84814
   25   5.970 VV    0.0136   93.76711   89.58543  1.03108
   26   6.018 VV    0.0219  308.90686  181.31648  3.39678
   27   6.026 VV    0.0129  186.53134  176.82463  2.05112
   28   6.054 VB    0.0104   57.71632   76.82223  0.63466
   29   6.085 BP  7.57e-3    19.91242   35.38255  0.21896
   30   6.108 BV  7.23e-3    20.74518   36.52015  0.22812
   31   6.127 VP    0.0102   36.43767   44.34688  0.40067
   32   6.140 VV  3.66e-3     5.89184   28.88780  0.06479
   33   6.158 VV  6.48e-3    29.57880   58.73125  0.32525
   34   6.170 VB  9.33e-3    34.86714   45.52741  0.38340
   35   6.223 BV    0.0103   67.40162   82.70975  0.74116
   36   6.235 VP    0.0111   62.79703   70.82213  0.69052
   37   6.281 VV    0.0107   27.67501   33.33725  0.30432
   38   6.318 VV    0.0118   88.97335   92.72350  0.97836
   39   6.326 VV    0.0186  131.57806   85.35693  1.44685
   40   6.363 VV  9.03e-3    64.32278   86.92587  0.70730
   41   6.371 VV  6.06e-3    46.94347  104.18002  0.51620
   42   6.405 VV    0.0302  379.02286  149.59837  4.16778
   43   6.428 VV    0.0124  139.13130  140.36897  1.52991
   44   6.446 VV  6.32e-3    57.23445  116.67323  0.62936
   45   6.455 VB    0.0112   91.31355  102.75837  1.00410
   46   6.484 BV    0.0147   42.10626   47.63476  0.46301
   47   6.502 VB    0.0140   57.35027   50.86909  0.63063
   48   6.548 BP  5.87e-3     9.84523   26.86819  0.10826
   49   6.567 BV  8.67e-3    19.52820   28.22036  0.21473
   50   6.583 VP  4.69e-3    12.90786   35.12971  0.14194
   51   6.600 VV  7.18e-3    11.17653   20.44438  0.12290
   52   6.619 VV    0.0105   52.03818   62.68785  0.57222
   53   6.634 VB    0.0148   57.16427   47.10139  0.62859
   54   6.679 PP  7.82e-3    12.13359   19.07128  0.13342
   55   6.697 VP  7.39e-3    22.33038   39.51950  0.24555
   56   6.714 VV  3.82e-3     5.13399   22.85991  0.05645
   57   6.746 VV    0.0155   71.09110   55.00938  0.78173
   58   6.758 VB    0.0138   45.54716   40.32446  0.50084
   59   6.862 BV  5.65e-3    15.27049   46.30900  0.16792
   60   6.869 VP    0.0115   46.65067   49.00422  0.51298
   61   6.908 VV  7.72e-3    19.56338   32.97049  0.21512
   62   6.921 VV  9.78e-3    48.91996   62.19207  0.53793
   63   6.950 VV    0.0141  103.61149   89.57359  1.13933
   64   6.978 VB    0.0238  184.16620   92.49802  2.02512
   65   7.021 PB  1.65e-3     1.36380   15.18720  0.01500
   66   7.039 BP  6.73e-3     8.98775   18.97235  0.09883
   67   7.057 VV  5.22e-3     6.82083   18.00186  0.07500
   68   7.069 VV  2.41e-3     3.88144   22.48599  0.04268
   69   7.074 VV  7.39e-3    13.12843   23.96410  0.14436
   70   7.088 VP  7.38e-3     9.00447   20.32909  0.09901
   71   7.110 BP  6.70e-3    14.65863   28.96416  0.16119
   72   7.119 VV  5.22e-3    11.26907   28.45178  0.12392
   73   7.130 VV  6.89e-3    17.55213   31.54640  0.19301
   74   7.164 VV  9.84e-3    30.92608   43.80445  0.34007
   75   7.177 VV  7.61e-3    32.55165   55.77499  0.35794
   76   7.191 VB    0.0184  153.71361  100.75670  1.69025
   77   7.227 BB    0.0243  173.01244   85.84439  1.90247
   78   7.265 BV  4.77e-3    17.64429   61.69115  0.19402
   79   7.270 VV  5.68e-3    19.87420   47.47488  0.21854
   80   7.279 VV  6.61e-3    19.42682   36.52242  0.21362
   81   7.297 VV  5.80e-3    12.24627   29.78889  0.13466
   82   7.301 VP  4.42e-3     8.13823   24.85743  0.08949
```

```
Peak RetTime Type  Width      Area       Height       Area
  #   [min]        [min]    [Hz*s]       [Hz]          %
----|-------|----|-------|----------|----------|--------|
  83    7.315 VB    0.0108   11.78897   14.25547  0.12963
  84    7.368 BV    0.0128   37.57586   35.79127  0.41319
  85    7.394 VV    0.0113   43.04512   52.58767  0.47333
  86    7.400 VV  5.53e-3    25.19314   62.15538  0.27703
  87    7.407 VB  9.56e-3    54.53332   69.46328  0.59966
  88    7.447 BV    0.0197  113.84198   69.39863  1.25182
  89    7.461 VB  8.37e-3    43.86355   64.20567  0.48233
  90    7.487 BB  7.30e-3    12.56226   21.88639  0.13814
  91    7.542 PP    0.0000    3.94926    4.34403  0.04343
  92    7.611 PP  6.17e-3     4.37065   11.80443  0.04806
  93    7.623 VB  7.18e-3     6.73486   13.14754  0.07406
  94    7.669 BV    0.0176   94.96911   65.78177  1.04429
  95    7.677 VV  5.30e-3    22.99362   54.80240  0.25284
  96    7.693 VV    0.0130   64.65907   61.04903  0.71100
  97    7.709 VV  3.16e-3     6.17651   30.55040  0.06792
  98    7.714 VB  6.39e-3    15.56150   30.28945  0.17112
  99    7.758 BB    0.0132   19.72145   19.83496  0.21686
 100    7.796 BBA 2.79e-3     3.02382   16.12583  0.03325

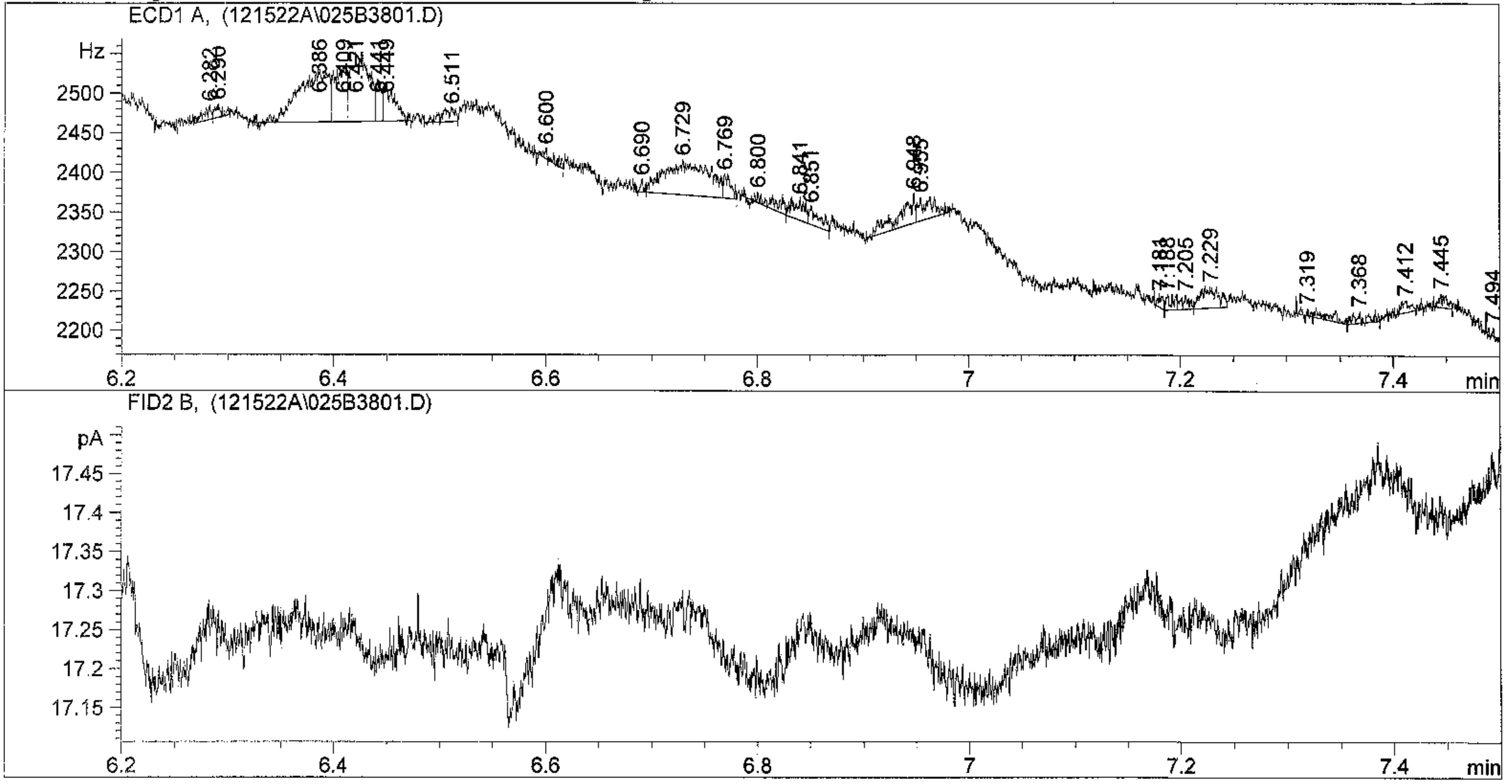
Totals :                    9094.10806 7618.67324

 Results obtained with enhanced integrator!

Signal 2: FID2 B,

=====================================================================
                          *** End of Report ***
```

```
=====================================================================
Injection Date  : 12/15/2022 9:37:09 PM          Seq. Line :  38
Sample Name     : 22L0307 34                      Location : Vial 25
Acq. Operator   : TW                                   Inj :   1
                                               Inj Volume : 1 µl
Sequence File   : C:\HPCHEM\2\SEQUENCE\121522A.S
Method          : C:\HPCHEM\2\METHODS\DIOXIN.M
Last changed    : 3/22/2022 4:13:36 AM by DM
```



```
=====================================================================
                     Area Percent Report
=====================================================================

Sorted By             :      Signal
Multiplier            :      1.0000
Dilution              :      1.0000


Signal 1: ECD1 A,
```

Peak #	RetTime [min]	Type	Width [min]	Area [Hz*s]	Height [Hz]	Area %
1	5.322	BV	0.0278	58.27509	25.39563	1.38880
2	5.367	VV	0.0204	56.38230	33.25010	1.34369
3	5.444	VV	0.0512	208.34114	49.18922	4.96515
4	5.463	VV	0.0122	48.79455	49.09792	1.16286
5	5.497	VV	0.0209	91.99928	52.74403	2.19251
6	5.562	VV	0.0322	143.75990	54.01374	3.42606
7	5.682	VV	0.0507	682.30121	158.93304	16.26048
8	5.700	VV	0.0191	252.35332	158.80472	6.01404
9	5.721	VV	0.0149	176.24831	150.44310	4.20032
10	5.737	VV	3.40e-3	28.24882	117.61292	0.67322
11	5.742	VV	0.0131	121.53174	112.99281	2.89632
12	5.777	VV	0.0126	94.59024	91.58289	2.25426
13	5.827	VV	0.0339	291.33237	106.50356	6.94298
14	5.854	VV	0.0159	146.42903	113.42348	3.48967
15	5.878	VV	0.0223	211.92796	114.02404	5.05063
16	5.904	VV	9.17e-3	57.61280	76.65825	1.37302
17	5.922	VV	0.0143	75.71053	64.42174	1.80432

```
Peak RetTime Type  Width      Area      Height      Area
  #   [min]        [min]    [Hz*s]      [Hz]          %
----|-------|----|-------|----------|----------|--------|
  18   5.999 VV    0.0311  331.93057  127.77991  7.91051
  19   6.020 VV    0.0174  187.47568  128.37936  4.46789
  20   6.035 VB   9.98e-3   62.47391   77.68323  1.48887
  21   6.063 BB    0.0122   53.96972   54.15096  1.28620
  22   6.153 PV    0.0222   86.21612   46.65372  2.05469
  23   6.282 PV   6.54e-3    8.06582   15.85490  0.19222
  24   6.290 VB   6.08e-3    6.98528   15.43622  0.16647
  25   6.386 PV    0.0248  127.41301   61.86566  3.03648
  26   6.409 VV   9.80e-3   56.93140   70.65411  1.35678
  27   6.421 VV    0.0151  100.96053   84.68668  2.40607
  28   6.441 VV   4.30e-3   17.03333   53.71313  0.40594
  29   6.449 VP   9.97e-3   32.95391   41.94159  0.78535
  30   6.511 PV    0.0115   13.97567   15.26448  0.33307
  31   6.600 PP   6.36e-3    4.89073   11.49770  0.11655
  32   6.690 PV   3.37e-3    2.81168   13.83930  0.06701
  33   6.729 VV    0.0342  120.23611   42.76014  2.86545
  34   6.769 VP   6.32e-3   14.00751   28.59390  0.33382
  35   6.800 BP    0.0143   13.24108   11.28125  0.31556
  36   6.841 VV   9.12e-3   19.18081   25.66245  0.45711
  37   6.851 VP   8.79e-3   14.17695   20.71005  0.33786
  38   6.948 PV    0.0122   36.54114   36.04473  0.87084
  39   6.955 VB    0.0107   24.90446   28.77372  0.59352
  40   7.181 BP   5.78e-3    4.97342   14.33100  0.11853
  41   7.188 VB   6.35e-3    8.42112   17.68636  0.20069
  42   7.205 BV   6.69e-3    8.67148   16.09433  0.20666
  43   7.229 VV    0.0150   30.57523   25.92687  0.72866
  44   7.319 BP    0.0197   10.65999    6.58894  0.25405
  45   7.368 VP    0.0100    9.56122   12.61578  0.22786
  46   7.412 PP   8.85e-3    8.87392   13.18867  0.21148
  47   7.445 BP   6.48e-3    8.47713   16.27701  0.20203
  48   7.494 PB    0.0000 1.95615e-1    9.88240  0.00466
  49   7.514 BP    0.0177    5.45551    3.71621  0.13001
  50   7.564 VP   7.64e-3    9.03569   18.04935  0.21534
  51   7.791 PBA  6.46e-3    8.95611   17.22991  0.21344

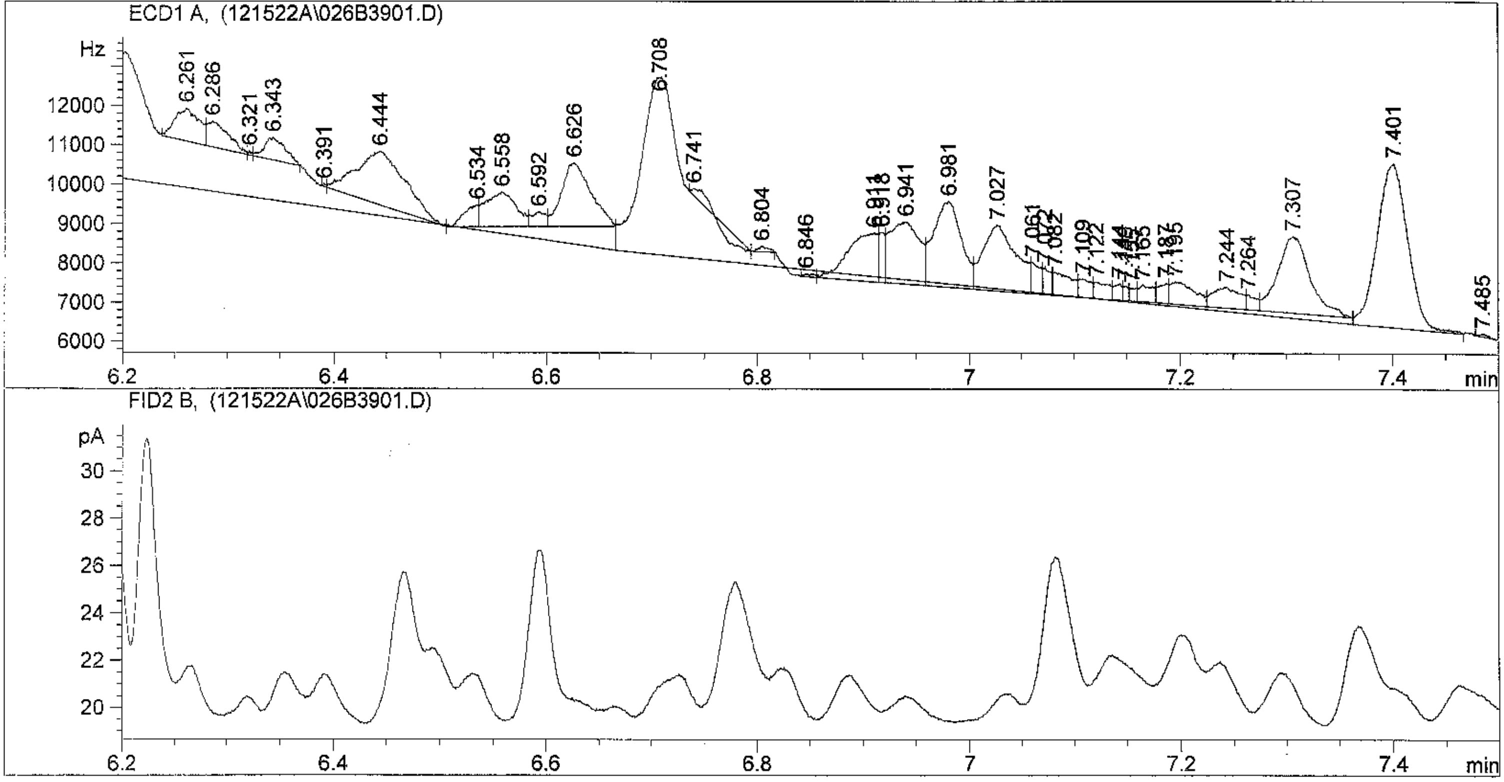
Totals :                  4196.07045 2713.90523

 Results obtained with enhanced integrator!

Signal 2: FID2 B,

=====================================================================
                          *** End of Report ***
```

```
=====================================================================
Injection Date  : 12/15/2022 9:48:19 PM         Seq. Line :  39
Sample Name     : 22L0312 01                     Location : Vial 26
Acq. Operator   : TW                                  Inj :   1
                                               Inj Volume : 1 µl
Sequence File   : C:\HPCHEM\2\SEQUENCE\121522A.S
Method          : C:\HPCHEM\2\METHODS\DIOXIN.M
Last changed    : 3/22/2022 4:13:36 AM by DM
```



```
=====================================================================
                         Area Percent Report
=====================================================================

Sorted By             :      Signal
Multiplier            :      1.0000
Dilution              :      1.0000


Signal 1: ECD1 A,

Peak RetTime Type  Width     Area       Height      Area
  #   [min]        [min]   [Hz*s]       [Hz]         %
----|-------|----|-------|----------|----------|--------|
   1   5.227 BP   1.21e-3   48.47058 1391.42126  0.00174
   2   5.298 VV S  0.0222 2.82597e4  1.77671e4   1.01496
   3   5.367 PV S  0.0190 5.43414e5  4.39950e5  19.51700
   4   5.419 VV S  0.0399 3.10408e4  1.29762e4   1.11485
   5   5.470 PV S  0.0281 1.75364e4 7390.91406   0.62983
   6   5.501 BV T 7.49e-3  259.49323  466.16864   0.00932
   7   5.556 PV S  0.0308 1.54462e6  7.43220e5  55.47594
   8   5.749 VV S  0.0338 2.48512e5  1.22709e5   8.92543
   9   5.848 BV T 7.85e-3  336.85608  541.84998   0.01210
  10   5.928 PV S  0.0403 2.96510e5  1.22615e5  10.64933
  11   6.048 BV T  0.0161 1197.25427  953.38989   0.04300
  12   6.081 PV T  0.0185 2853.60864 1901.54297   0.10249
  13   6.119 PV T 2.97e-3   18.77382  105.25745   0.00067
  14   6.141 PV T  0.0166 1828.70581 1352.66272   0.06568
  15   6.170 PV T 7.59e-3   19.51674   42.86028   0.00070
  16   6.180 PV T 3.89e-3   18.42996   65.39139   0.00066
  17   6.192 PB T 5.54e-3   78.38641  201.21559   0.00282
```

```
Peak RetTime Type  Width     Area      Height     Area
  #   [min]        [min]   [Hz*s]      [Hz]        %
----|-------|----|-------|----------|----------|--------|
  18   6.261 BV T  0.0199 1377.93921  843.50336  0.04949
  19   6.286 PV T  0.0170  930.04773  660.27692  0.03340
  20   6.321 PV T 3.38e-3   20.67788  101.83270  0.00074
  21   6.343 PB T  0.0162  767.56873  575.67590  0.02757
  22   6.391 BV T 2.72e-3   10.45409   64.14963  0.00038
  23   6.444 PP T  0.0373 4302.99121 1368.20239  0.15454
  24   6.534 PV T  0.0113  506.03125  549.89050  0.01817
  25   6.558 PV T  0.0237 1732.89771  869.37354  0.06224
  26   6.592 PV T  0.0120  342.72729  370.13922  0.01231
  27   6.626 PV T  0.0235 3118.57275 1617.60132  0.11201
  28   6.708 PV S  0.0466 1.80484e4  4556.88965  0.64822
  29   6.741 BV T  0.0000  101.78199  181.49072  0.00366
  30   6.804 PB T 9.02e-3   93.30427  132.40300  0.00335
  31   6.846 PV T 8.03e-3   47.79967   73.07204  0.00172
  32   6.911 PV T  0.0229 2363.12012 1236.51721  0.08487
  33   6.918 PV T 6.32e-3  480.34012 1266.89038  0.01725
  34   6.941 PV T  0.0236 3037.90601 1582.35364  0.10911
  35   6.981 PV T  0.0234 3989.00806 2173.66772  0.14327
  36   7.027 PV T  0.0263 3702.67041 1666.44336  0.13298
  37   7.061 PV T 9.99e-3  481.14032  803.01709  0.01728
  38   7.072 PV T 8.51e-3  342.40198  670.82080  0.01230
  39   7.082 PV T  0.0211  741.58270  585.59064  0.02663
  40   7.109 PV T  0.0105  380.38974  469.30222  0.01366
  41   7.122 PV T  0.0164  404.22818  410.52118  0.01452
  42   7.144 PV T 6.44e-3  207.34918  414.54825  0.00745
  43   7.149 PV T 5.50e-3  122.92396  372.80978  0.00441
  44   7.155 PV T 7.39e-3  146.05360  329.48865  0.00525
  45   7.165 PV T  0.0118  400.48679  425.86716  0.01438
  46   7.187 PV T 8.00e-3  325.04910  512.19952  0.01167
  47   7.195 PV T  0.0197  905.89398  572.35175  0.03254
  48   7.244 PV T  0.0220  945.63306  536.79883  0.03396
  49   7.264 PV T  0.0112  256.18066  382.35245  0.00920
  50   7.307 PV T  0.0259 4140.65625 1942.41895  0.14871
  51   7.401 PB S  0.0245 8240.31641 4163.58691  0.29596
  52   7.485 BP   7.12e-3   38.80095   71.65958  0.00139
  53   7.528 VV    0.0191  357.28180  222.36145  0.01283
  54   7.559 VP   2.25e-3    7.26365   51.26207  0.00026
  55   7.587 VV   9.22e-3  132.83990  179.73448  0.00477
  56   7.600 VV    0.0118  196.70915  205.75851  0.00706
  57   7.611 VV   3.27e-3   35.97639  183.52809  0.00129
  58   7.616 VV   5.01e-3   57.03018  189.76688  0.00205
  59   7.650 VV    0.0212  915.04773  512.25415  0.03286
  60   7.669 VV   9.45e-3  300.09207  470.00751  0.01078
  61   7.680 VV   8.29e-3  278.40540  500.84393  0.01000
  62   7.689 VV    0.0179  542.73364  505.55673  0.01949
  63   7.704 VV   4.10e-3  116.88128  413.36835  0.00420
  64   7.723 VV    0.0150  685.78271  556.90656  0.02463
  65   7.734 VV    0.0108  448.84052  534.52454  0.01612
  66   7.754 VP    0.0200  627.68201  377.87009  0.02254

Totals :                   2.78431e6  1.51111e6

 Results obtained with enhanced integrator!

Signal 2: FID2 B,

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                         *** End of Report ***
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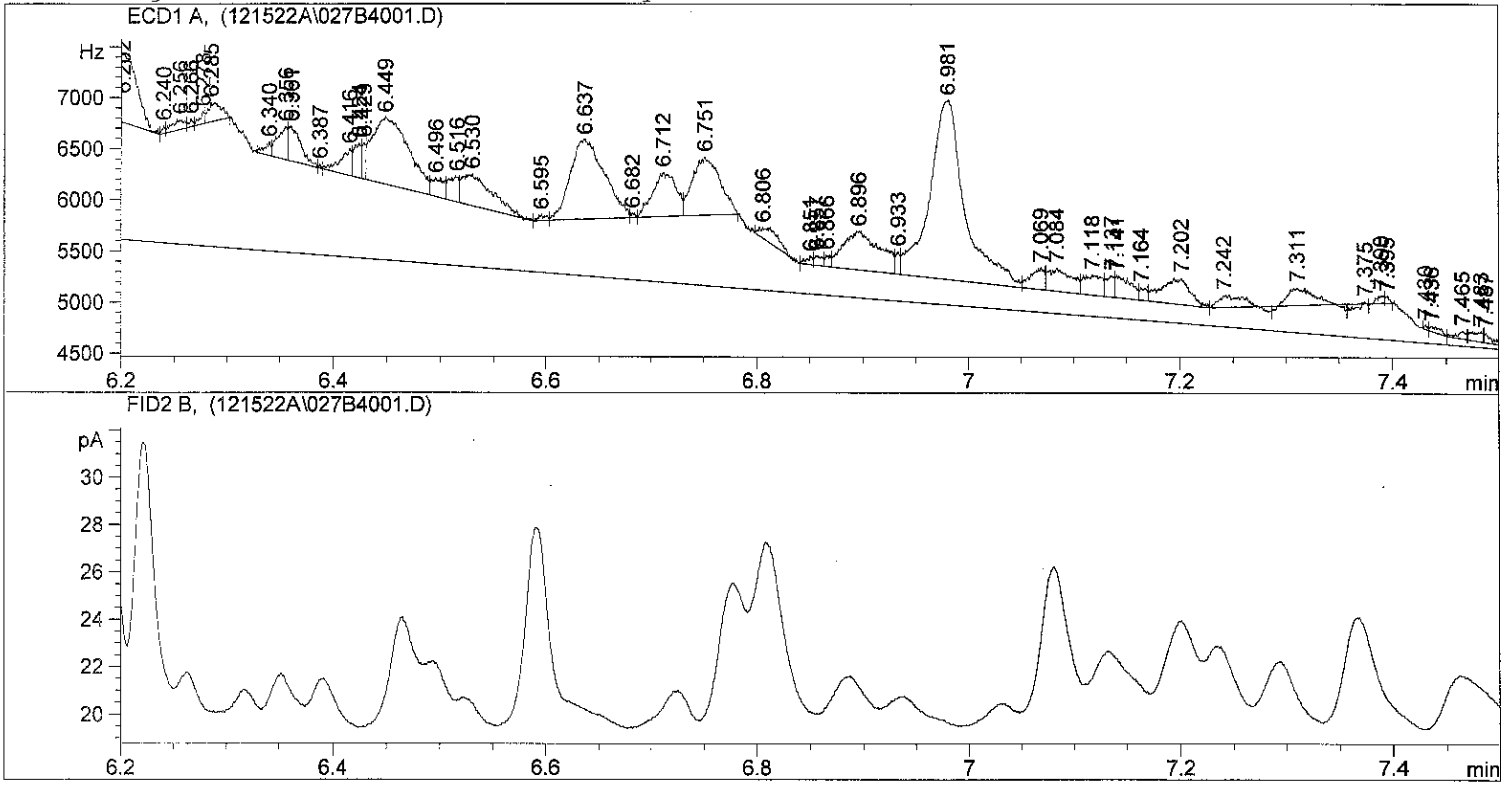
```
=====================================================================
Injection Date  : 12/15/2022 9:59:28 PM          Seq. Line :  40
Sample Name     : 22L0312 02                      Location : Vial 27
Acq. Operator   : TW                                   Inj :   1
                                             Inj Volume : 1 µl
Sequence File   : C:\HPCHEM\2\SEQUENCE\121522A.S
Method          : C:\HPCHEM\2\METHODS\DIOXIN.M
Last changed    : 3/22/2022 4:13:36 AM by DM
```



```
=====================================================================
                         Area Percent Report
=====================================================================

Sorted By             :      Signal
Multiplier            :      1.0000
Dilution              :      1.0000


Signal 1: ECD1 A,

Peak RetTime Type  Width     Area      Height     Area
  #   [min]        [min]   [Hz*s]      [Hz]        %
----|-------|----|-------|----------|----------|--------|
   1   5.228 BV    0.0159 1746.25659 1504.62158  0.91143
   2   5.267 VP    0.0123  441.45688  464.46292  0.23041
   3   5.309 VV    0.0157  485.11295  370.02664  0.25320
   4   5.381 VV S  0.0334 1.51980e4  5436.84668  7.93236
   5   5.436 VV S  0.0295 5131.18994 2900.40234  2.67815
   6   5.586 VV S  0.0877 3.16300e4  4679.40039 16.50883
   7   5.812 VV S  0.1524 2.79582e4  3057.87891 14.59238
   8   6.001 VV S  0.1283 2.79275e4  2677.60596 14.57637
   9   6.090 VBAS  0.5901 6.14227e4  1734.73535 32.05871
  10   6.135 BV T  0.0124   63.09740   84.66515  0.03293
  11   6.148 VV T 6.65e-3   39.54370   99.06607  0.02064
  12   6.158 VV T 6.20e-3   64.28721  144.70068  0.03355
  13   6.202 VV T  0.0266 1455.74902  673.77850  0.75981
  14   6.240 PV T 3.03e-3   13.38381   73.70947  0.00699
  15   6.256 PV T  0.0103   80.33274   94.27486  0.04193
  16   6.266 PV T 3.56e-3   18.83889   74.19010  0.00983
  17   6.278 PV T 4.96e-3   41.92422  117.48568  0.02188
```

```
Peak RetTime Type  Width     Area      Height      Area
  #   [min]        [min]    [Hz*s]      [Hz]        %
----|-------|----|-------|----------|----------|--------|
  18   6.285 VB T  0.0102  157.56332  192.43129  0.08224
  19   6.340 BV T 5.89e-3   51.80957  128.98326  0.02704
  20   6.356 PV T 8.47e-3  211.81262  322.15176  0.11055
  21   6.361 PV T  0.0129  258.37708  333.90933  0.13486
  22   6.387 PV T 1.91e-3    4.52748   39.44524  0.00236
  23   6.416 PV T 9.23e-3  193.49855  261.60028  0.10099
  24   6.424 PV T 5.88e-3  152.35988  336.76526  0.07952
  25   6.429 PV T 3.95e-3   84.15660  354.80478  0.04392
  26   6.449 PV T  0.0289 1563.38562  649.81531  0.81599
  27   6.496 PV T  0.0139  148.48422  178.37025  0.07750
  28   6.516 PV T 8.87e-3  160.02769  243.27054  0.08352
  29   6.530 PV T  0.0246  604.99603  307.07150  0.31577
  30   6.595 PV T 6.79e-3   25.46751   53.16471  0.01329
  31   6.637 PV T  0.0273 1742.22546  773.22394  0.90933
  32   6.682 PV T 5.29e-3   12.02228   37.89103  0.00627
  33   6.712 PV T  0.0185  665.38916  432.55716  0.34729
  34   6.751 PB T  0.0217 1037.47949  567.30573  0.54150
  35   6.806 BV T  0.0197  161.02542  102.61749  0.08404
  36   6.851 PV T 6.14e-3   33.23639   72.60186  0.01735
  37   6.857 PV T 6.74e-3   48.59465   95.39496  0.02536
  38   6.866 PV T 5.75e-3   37.99866  110.10607  0.01983
  39   6.896 PV T  0.0291  899.02087  373.36682  0.46923
  40   6.933 PV T 4.22e-3   67.60379  218.12656  0.03528
  41   6.981 PV T  0.0287 4065.36914 1750.22034  2.12186
  42   7.069 PV T  0.0120  186.65897  208.44295  0.09742
  43   7.084 PV T  0.0184  339.83981  225.43416  0.17737
  44   7.118 PV T  0.0155  233.14151  192.32765  0.12168
  45   7.137 PV T 7.37e-3  113.49566  207.87389  0.05924
  46   7.141 PV T  0.0174  217.85371  208.59033  0.11371
  47   7.164 PV T 7.52e-3   54.94411  121.76039  0.02868
  48   7.202 PV T  0.0222  460.69073  253.16269  0.24045
  49   7.242 PV T  0.0161  155.31964  115.41502  0.08107
  50   7.311 PV T  0.0182  256.30331  169.87245  0.13377
  51   7.375 PV T  0.0000   32.87128   18.22003  0.01716
  52   7.390 PV T 5.83e-3   32.70758   75.82890  0.01707
  53   7.395 PB T 4.50e-3   15.99216   59.26046  0.00835
  54   7.430 BV T 3.62e-3    8.53055   39.29860  0.00445
  55   7.436 PV T  0.0130   37.14054   47.60563  0.01938
  56   7.465 PV T 7.04e-3   41.73109   75.59098  0.02178
  57   7.483 PV T 9.95e-3   70.51392   96.25554  0.03680
  58   7.487 PV T 8.46e-3   45.92545   90.43478  0.02397
  59   7.507 PV T 4.29e-3   12.25205   38.74511  0.00639
  60   7.520 PB T  0.0101   87.22348  106.90142  0.04553
  61   7.609 PV T  0.0189  545.31543  343.21545  0.28462
  62   7.630 PV T  0.0112  330.67001  364.07825  0.17259
  63   7.652 PV T  0.0380 1587.65283  495.77594  0.82865
  64   7.711 PV T 6.78e-3   69.19582  170.07954  0.03612
  65   7.727 PV T  0.0154  199.85773  164.44131  0.10431
  66   7.748 PV T  0.0100  135.09354  167.41612  0.07051
  67   7.760 PV T  0.0149  211.48065  172.37856  0.11038
  68   7.794 PP T 2.98e-3    8.06241   43.17198  0.00421

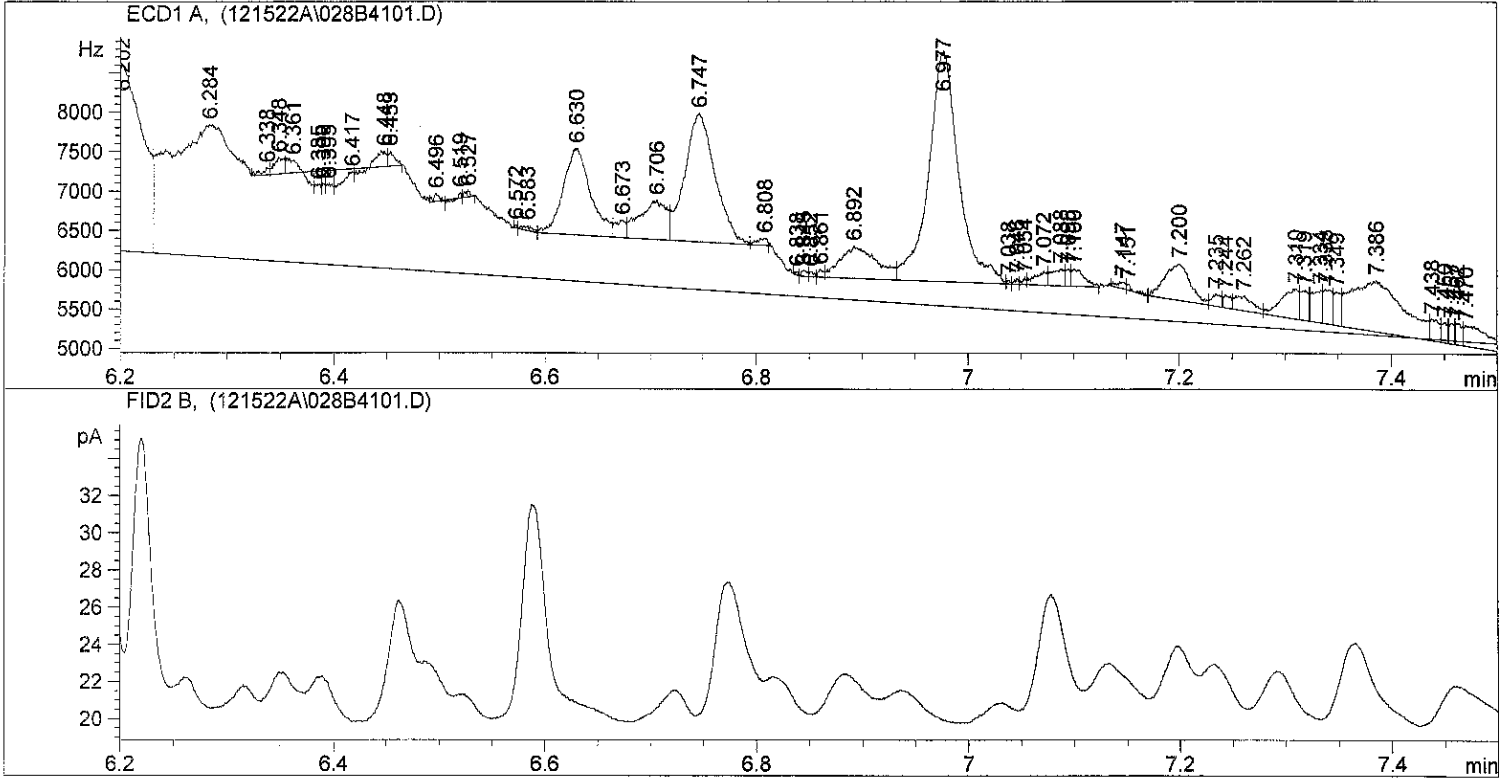
Totals :                  1.91594e5  3.63946e4

 Results obtained with enhanced integrator!

Signal 2: FID2 B,

=====================================================================
                         *** End of Report ***
```

```
=====================================================================
Injection Date  : 12/15/2022 10:10:39 PM      Seq. Line :  41
Sample Name     : 22L0312 03                   Location : Vial 28
Acq. Operator   : TW                                Inj :   1
                                             Inj Volume : 1 µl
Sequence File   : C:\HPCHEM\2\SEQUENCE\121522A.S
Method          : C:\HPCHEM\2\METHODS\DIOXIN.M
Last changed    : 3/22/2022 4:13:36 AM by DM
```



```
=====================================================================
                         Area Percent Report
=====================================================================

Sorted By             :      Signal
Multiplier            :      1.0000
Dilution              :      1.0000


Signal 1: ECD1 A,

Peak RetTime Type  Width     Area      Height     Area
  #   [min]        [min]   [Hz*s]      [Hz]        %
----|-------|----|-------|----------|----------|--------|
   1   5.227 BV S  0.0486 1.21761e4 3154.90552  7.15598
   2   5.265 BV T  0.0000  450.30258  173.13766  0.26465
   3   5.301 PV T  0.0125  674.50781  649.05872  0.39641
   4   5.310 VV T  0.0109  511.45807  781.46307  0.30059
   5   5.344 VV T  0.0227 1382.48755  737.57910  0.81250
   6   5.376 VV T  0.0000   41.95243  578.10779  0.02466
   7   5.392 VB T 2.46e-3   10.92379   73.90546  0.00642
   8   5.437 VV S  0.0300 4865.30859 2700.81982  2.85937
   9   5.584 VV S  0.2211 3.60483e4 2541.18994 21.18579
  10   5.808 VV S  0.0350 6481.36670 3084.10107  3.80914
  11   6.001 VV S  0.1341 2.38025e4 2957.74365 13.98885
  12   6.031 VV S  0.0537 8199.75098 2167.98413  4.81904
  13   6.202 VV S  0.0878 1.24054e4 2355.79272  7.29072
  14   6.284 VBAS  0.2773 3.95332e4 1676.02930 23.23390
  15   6.338 BV T 6.05e-3   38.06769   81.56010  0.02237
  16   6.348 VV T 8.07e-3  132.06131  206.16121  0.07761
  17   6.361 VV T 3.94e-3   37.56201  158.82422  0.02208
```

```
Peak RetTime Type  Width     Area       Height      Area
  #   [min]        [min]   [Hz*s]       [Hz]         %
----|-------|----|-------|----------|----------|--------|
  18   6.385 PV T 5.15e-3   66.65202  170.88290 0.03917
  19   6.390 PV T 4.58e-3   44.74412  162.99055 0.02630
  20   6.395 PV T 8.74e-3   89.94841  171.51360 0.05286
  21   6.417 PV T  0.0466  154.93530   39.49862 0.09106
  22   6.448 VV T 7.22e-3   95.93723  192.21100 0.05638
  23   6.453 VB T 5.63e-3   77.67967  180.27917 0.04565
  24   6.496 BV T 4.64e-3   31.11566   94.42641 0.01829
  25   6.519 PV T  0.0000    2.75658   66.62222 0.00162
  26   6.527 PB T 5.02e-3   25.69118   71.00684 0.01510
  27   6.572 BV T 1.91e-3    4.20060   36.68876 0.00247
  28   6.583 PV T 7.16e-3   34.91534   60.21700 0.02052
  29   6.630 PV T  0.0219 1978.05383 1094.63818 1.16251
  30   6.673 PV T 8.91e-3  146.10492  221.00104 0.08587
  31   6.706 PV T  0.0212  874.48706  496.29822 0.51394
  32   6.747 PV T  0.0237 3228.17725 1630.06628 1.89722
  33   6.808 PB T 7.96e-3   58.15886   89.71181 0.03418
  34   6.838 BV T 3.50e-3    8.81883   41.97781 0.00518
  35   6.845 PV T 6.27e-3   28.69008   76.24511 0.01686
  36   6.852 PV T 5.05e-3   19.31192   63.78696 0.01135
  37   6.861 PV T 6.16e-3   34.75876   94.07915 0.02043
  38   6.892 PV T  0.0284  977.93866  410.28827 0.57474
  39   6.977 PV T  0.0261 5785.42285 2902.80908 3.40013
  40   7.038 PV T 3.77e-3    9.81387   43.34526 0.00577
  41   7.046 PV T 3.25e-3   16.09948   70.83012 0.00946
  42   7.054 PV T 4.08e-3   20.76954   84.74513 0.01221
  43   7.072 PV T  0.0102  143.46857  171.30585 0.08432
  44   7.088 PV T  0.0105  178.30963  214.31580 0.10479
  45   7.095 PV T 5.07e-3   64.43073  211.88684 0.03787
  46   7.100 PB T  0.0141  184.31880  218.30696 0.10833
  47   7.147 BV T 6.88e-3   45.17655   86.74283 0.02655
  48   7.151 PV T 5.34e-3   22.42150   69.91475 0.01318
  49   7.200 PV T  0.0204  765.61780  459.72205 0.44996
  50   7.235 PV T 7.49e-3   93.26923  153.55325 0.05481
  51   7.244 PV T 6.38e-3   79.72115  160.97755 0.04685
  52   7.262 PV T  0.0147  220.43695  188.08618 0.12955
  53   7.310 PV T  0.0146  446.11304  378.27008 0.26218
  54   7.319 PV T 6.97e-3  199.30551  377.10831 0.11713
  55   7.334 PV T 8.24e-3  271.06140  413.97644 0.15930
  56   7.338 PV T 7.47e-3  254.89374  433.12244 0.14980
  57   7.349 PV T 7.81e-3  196.83665  419.94824 0.11568
  58   7.386 PV T  0.0396 2169.84766  645.73792 1.27523
  59   7.438 PV T 9.84e-3  159.28116  269.76337 0.09361
  60   7.450 PV T 5.17e-3   99.94697  255.29442 0.05874
  61   7.457 PV T 5.76e-3   90.13615  260.76065 0.05297
  62   7.462 PV T 7.50e-3  120.70022  268.22876 0.07094
  63   7.470 PV T  0.0284  426.56836  250.44304 0.25070
  64   7.506 PV T 6.86e-3  108.60184  202.55920 0.06383
  65   7.520 PV T 9.88e-3  144.86238  244.32307 0.08514
  66   7.528 PV T  0.0163  282.96222  289.52863 0.16630
  67   7.566 PV T 4.39e-3   25.98804   79.90517 0.01527
  68   7.592 PV T  0.0165  298.69650  218.85516 0.17555
  69   7.604 PV T 8.83e-3  108.15247  204.15955 0.06356
  70   7.620 PV T  0.0115  197.11995  210.06189 0.11585
  71   7.643 PV T 9.67e-3  254.32809  327.16562 0.14947
  72   7.652 PV T  0.0173  493.70740  362.55872 0.29015
  73   7.680 PV T  0.0132  173.51276  219.68092 0.10197
  74   7.700 PV T  0.0113  139.05553  160.12343 0.08172
  75   7.710 PV T 4.20e-3   41.19148  141.20322 0.02421
  76   7.717 PV T 9.37e-3  110.68063  150.67169 0.06505
  77   7.756 PV T  0.0273  928.24957  414.19818 0.54554
  78   7.794 PBAT 3.53e-3    7.75045   36.54857 0.00455

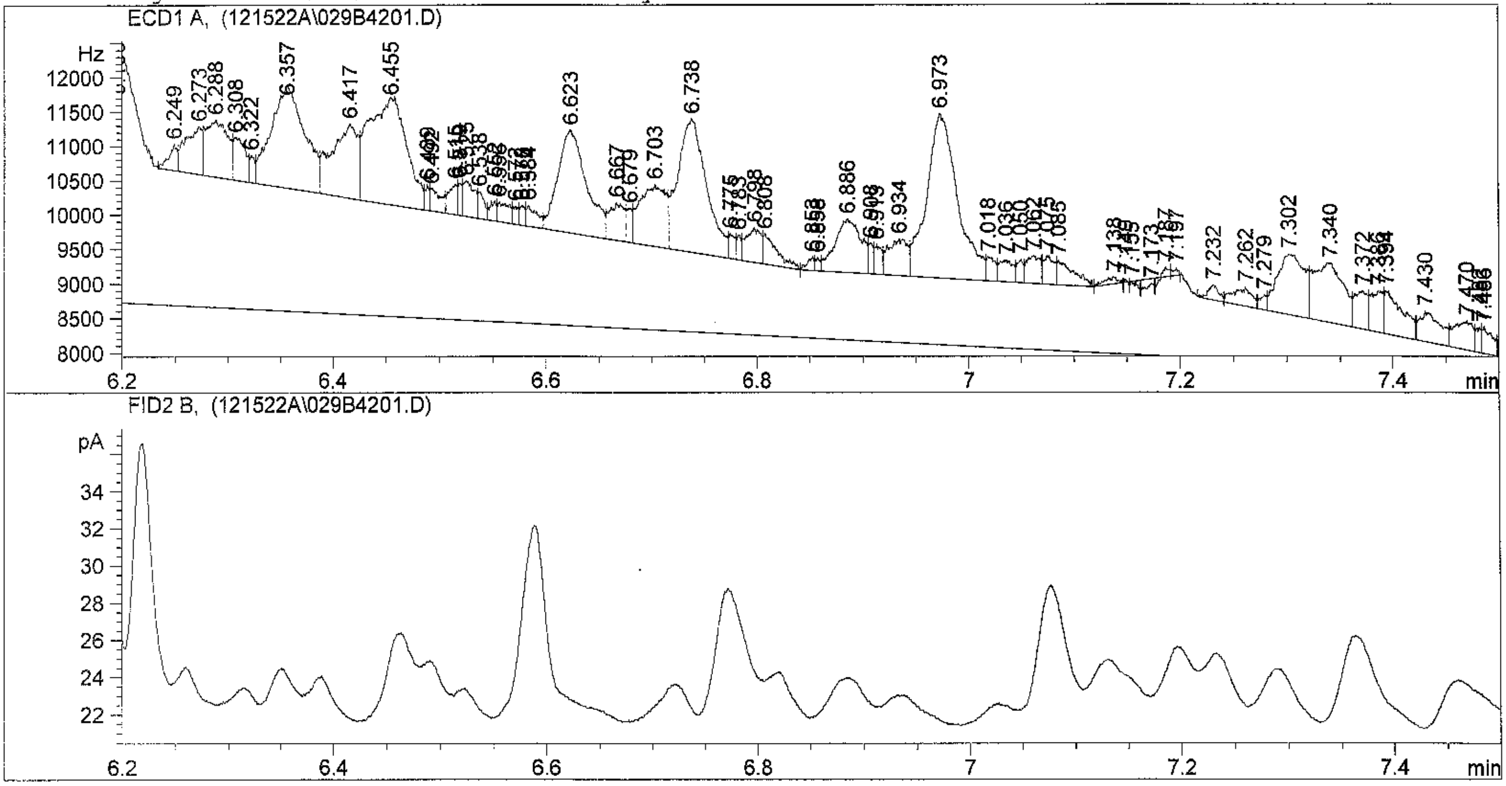
Totals :                  1.70153e5  4.18135e4

 Results obtained with enhanced integrator!
```

```
    Signal 2: FID2 B,

    =====================================================================
                              *** End of Report ***
```

```
=====================================================================
Injection Date  : 12/15/2022 10:21:50 PM           Seq. Line :  42
Sample Name     : 22L0312 04                        Location : Vial 29
Acq. Operator   : TW                                     Inj :   1
                                                 Inj Volume : 1 µl
Sequence File   : C:\HPCHEM\2\SEQUENCE\121522A.S
Method          : C:\HPCHEM\2\METHODS\DIOXIN.M
Last changed    : 3/22/2022 4:13:36 AM by DM
```



```
=====================================================================
                         Area Percent Report
=====================================================================

Sorted By             :      Signal
Multiplier            :      1.0000
Dilution              :      1.0000


Signal 1: ECD1 A,

Peak RetTime Type  Width     Area       Height      Area
  #   [min]        [min]   [Hz*s]       [Hz]         %
----|-------|----|-------|----------|----------|--------|
   1   5.214 BP    0.0172  798.77240  554.32190  0.19397
   2   5.267 VV   9.25e-3  243.09769  320.28839  0.05903
   3   5.310 VV    0.0212 1562.04431  894.92999  0.37933
   4   5.333 VV    0.0134 1080.59326 1037.17126  0.26241
   5   5.369 VV S  0.0223 7.68318e4  4.80366e4 18.65791
   6   5.433 VV S  0.0276 7765.20068 4696.20703  1.88571
   7   5.568 VV S  0.0740 5.71222e4  1.28575e4 13.87163
   8   5.754 VV S  0.0733 3.99507e4 9079.99219  9.70166
   9   5.807 VV S  0.0306 9347.76953 5095.20557  2.27002
  10   5.929 VV S  0.0691 4.03405e4 9729.80469  9.79632
  11   5.994 VV S  0.0337 9383.39648 4642.67041  2.27867
  12   6.196 VPAS  0.5579 1.23390e5 3685.82568 29.96411
  13   6.249 BV T 7.01e-3  209.69051  381.36975  0.05092
  14   6.273 VV T  0.0132  741.58875  694.93524  0.18009
  15   6.288 VV T  0.0187 1226.67065  828.07593  0.29789
  16   6.308 VV T  0.0131  484.17825  615.37164  0.11758
  17   6.322 VV T 5.41e-3  127.27547  391.79010  0.03091
```

```
Peak RetTime Type  Width     Area      Height     Area
  #   [min]        [min]   [Hz*s]     [Hz]        %
----|-------|----|-------|----------|----------|--------|
  18   6.357 VV T  0.0277 3319.56421 1482.99731  0.80613
  19   6.417 VV T  0.0209 1838.84802 1079.18921  0.44655
  20   6.455 VV T  0.0296 3788.34521 1558.79126  0.91997
  21   6.489 PV T 3.86e-3  100.30318  358.52890  0.02436
  22   6.492 PV T  0.0124  234.31889  315.34747  0.05690
  23   6.515 PV T 6.89e-3  241.04764  447.28134  0.05854
  24   6.519 PV T 4.18e-3  118.56396  472.24988  0.02879
  25   6.525 PV T  0.0102  389.23434  517.37927  0.09452
  26   6.538 PV T 6.91e-3  161.57184  389.91098  0.03924
  27   6.552 PV T 5.43e-3  119.39198  288.39661  0.02899
  28   6.556 PV T  0.0130  217.40773  278.76105  0.05280
  29   6.572 PV T 6.01e-3   93.43753  259.20694  0.02269
  30   6.578 PV T 5.73e-3   97.07543  282.20444  0.02357
  31   6.584 PV T  0.0112  199.70253  298.28357  0.04850
  32   6.623 PV T  0.0230 2810.46631 1492.70703  0.68250
  33   6.667 PV T  0.0117  520.28424  545.81726  0.12635
  34   6.679 PV T 5.42e-3  187.55005  494.61359  0.04554
  35   6.703 PV T  0.0205 1527.43042  895.49695  0.37092
  36   6.738 PV T  0.0234 3652.74072 1939.03552  0.88704
  37   6.775 PV T 7.14e-3  152.90376  357.04492  0.03713
  38   6.783 PV T 4.26e-3   90.41673  353.36407  0.02196
  39   6.798 PV T  0.0122  493.00131  497.72101  0.11972
  40   6.808 PV T  0.0157  406.27649  430.55258  0.09866
  41   6.853 PV T 5.76e-3   84.05566  190.22971  0.02041
  42   6.858 PV T 4.98e-3   56.79417  190.06943  0.01379
  43   6.886 PV T  0.0202 1308.63696  771.15851  0.31779
  44   6.908 PV T 4.40e-3  135.35999  438.93082  0.03287
  45   6.913 PV T 7.77e-3  196.25319  420.97269  0.04766
  46   6.934 PV T  0.0153  670.96741  524.50342  0.16294
  47   6.973 PV T  0.0243 4843.69043 2384.61646  1.17625
  48   7.018 PV T 9.60e-3  198.38745  344.51785  0.04818
  49   7.036 PV T  0.0120  294.69174  313.26126  0.07156
  50   7.050 PV T 5.20e-3  131.86476  334.24704  0.03202
  51   7.062 PV T  0.0119  358.02692  390.95755  0.08694
  52   7.075 PV T 8.72e-3  291.43423  408.52240  0.07077
  53   7.085 PV T  0.0183  384.63528  349.82959  0.09341
  54   7.138 PV T  0.0103   79.49277  101.98888  0.01930
  55   7.149 PV T 1.01e-4 2.76911e-1   45.62199 6.725e-5
  56   7.155 PV T  0.0000   35.90846    8.14195  0.00872
  57   7.173 PV T  0.0157   89.26251   71.03609  0.02168
  58   7.187 PV T 2.39e-3   20.69168  134.69957  0.00502
  59   7.197 PB T 5.90e-3   37.72728  106.59975  0.00916
  60   7.232 BV T 8.85e-3  149.44687  216.67067  0.03629
  61   7.262 PV T  0.0145  321.83774  270.03653  0.07816
  62   7.279 PV T 6.22e-3   97.52738  218.47614  0.02368
  63   7.302 PV T  0.0210 1544.88403  876.02197  0.37516
  64   7.340 PV T  0.0244 1668.94751  862.58319  0.40529
  65   7.372 PV T  0.0103  458.41193  560.10962  0.11132
  66   7.386 PV T  0.0100  489.32129  594.07013  0.11883
  67   7.394 PV T  0.0200  754.89899  627.74078  0.18332
  68   7.430 PV T  0.0164  599.15961  435.62668  0.14550
  69   7.470 PV T  0.0142  495.76828  418.98575  0.12039
  70   7.482 PV T 6.04e-3  130.65053  360.54785  0.03173
  71   7.486 PV T  0.0110  250.96423  379.23083  0.06094
  72   7.519 PV T  0.0235  834.73181  445.65088  0.20271
  73   7.559 PV T 3.25e-3    5.98971   30.68460  0.00145
  74   7.568 PV T 5.72e-3   35.79158   84.94075  0.00869
  75   7.574 PV T 3.90e-3   22.78230   97.26661  0.00553
  76   7.583 PV T 4.53e-3   60.23889  188.50006  0.01463
  77   7.589 PV T  0.0154  248.47946  196.00555  0.06034
  78   7.641 PV T  0.0175  688.70996  471.13193  0.16725
  79   7.651 PV T  0.0160  484.72171  503.94882  0.11771
  80   7.667 PV T  0.0122  416.57626  420.45410  0.10116
  81   7.686 PV T 8.61e-3  177.62425  344.02057  0.04313
  82   7.699 PV T  0.0150  450.01709  363.33945  0.10928
```

```
Peak RetTime Type  Width     Area      Height     Area
  #   [min]        [min]   [Hz*s]      [Hz]        %
----|-------|----|-------|----------|----------|--------|
  83   7.723 PV T 8.26e-3  165.41606  273.48584  0.04017
  84   7.730 PV T 7.60e-3   90.47604  198.30228  0.02197
  85   7.738 PV T 3.86e-3   61.52152  265.39981  0.01494
  86   7.744 PV T 9.16e-3  146.12857  265.88031  0.03549
  87   7.754 PV T 5.53e-3   93.58672  251.88412  0.02273
  88   7.763 PV T 9.03e-3  179.72308  267.62970  0.04364
  89   7.782 PV T 4.92e-3   35.63680   96.15393  0.00865
  90   7.790 PV T 6.90e-3   48.78428  103.40054  0.01185

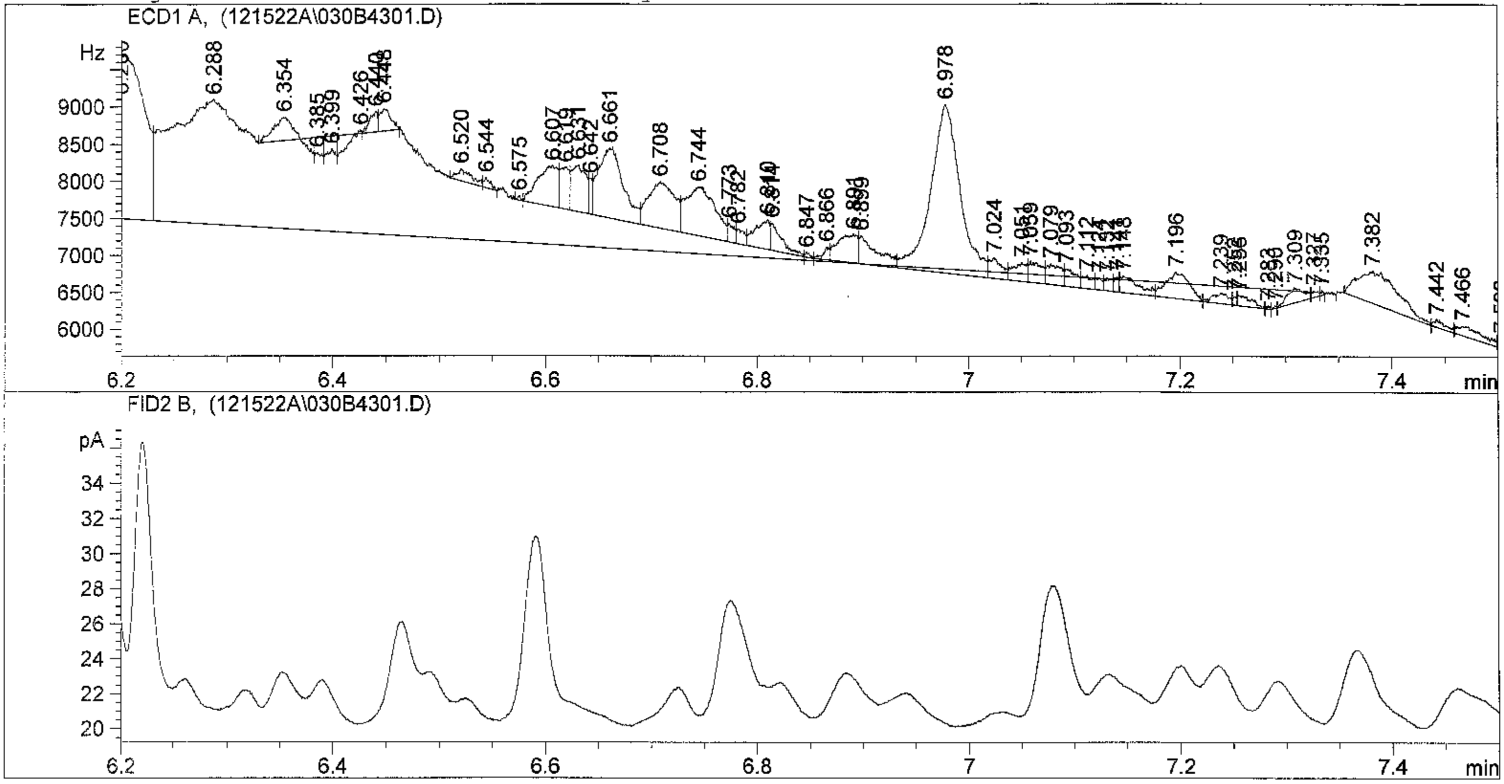
Totals :                  4.11792e5  1.36795e5

 Results obtained with enhanced integrator!

Signal 2: FID2 B,

=====================================================================
                          *** End of Report ***
```

```
=====================================================================
Injection Date   : 12/15/2022 10:33:01 PM     Seq. Line :  43
Sample Name      : 22L0312 05                  Location : Vial 30
Acq. Operator    : TW                               Inj :   1
                                             Inj Volume : 1 µl
Sequence File    : C:\HPCHEM\2\SEQUENCE\121522A.S
Method           : C:\HPCHEM\2\METHODS\DIOXIN.M
Last changed     : 3/22/2022 4:13:36 AM by DM
```



```
=====================================================================
                        Area Percent Report
=====================================================================

Sorted By             :      Signal
Multiplier            :      1.0000
Dilution              :      1.0000


Signal 1: ECD1 A,

Peak RetTime Type  Width      Area       Height      Area
  #   [min]        [min]    [Hz*s]       [Hz]         %
----|-------|----|-------|----------|----------|--------|
   1   5.229 BV S  0.0165 5086.03662 4541.94238  3.16269
   2   5.269 VV S  0.0297 1459.93823  820.15375  0.90784
   3   5.301 BV T 6.44e-3   62.58157  120.94985  0.03892
   4   5.310 VV T 2.57e-3    7.71114   50.05207  0.00480
   5   5.318 VV T 2.48e-3    7.81547   52.58622  0.00486
   6   5.376 VV S  0.0344 1.26794e4  4378.04785  7.88456
   7   5.438 VV S  0.0322 5020.37402 2599.37769  3.12186
   8   5.579 VV S  0.1645 3.10313e4  2785.67896 19.29643
   9   5.812 VV S  0.0750 1.38961e4  3089.70117  8.64115
  10   5.865 VV S  0.1757 2.86709e4  2689.90698 17.82865
  11   6.200 VV S  0.1273 1.69284e4  2216.31958 10.52675
  12   6.288 VB S  0.1845 2.52184e4  1682.90430 15.68176
  13   6.354 BV T  0.0112  274.70905  307.82196  0.17082
  14   6.385 VV T  0.0102  128.52467  209.18330  0.07992
  15   6.399 VV T  0.0118  170.49628  178.36069  0.10602
  16   6.426 VV T  0.0000  153.78241   39.13570  0.09563
  17   6.440 VV T 6.64e-3  138.08195  266.82831  0.08586
```

```
Peak RetTime Type  Width     Area       Height      Area
  #   [min]        [min]   [Hz*s]       [Hz]         %
----|-------|----|-------|----------|----------|--------|
  18   6.448 VB T 9.11e-3  218.06119  299.00461  0.13560
  19   6.520 BV T  0.0122  159.73242  162.99791  0.09933
  20   6.544 PB T 5.63e-3   58.02334  134.50713  0.03608
  21   6.575 BV T 2.72e-3   10.52631   57.83211  0.00655
  22   6.607 PV T  0.0170  720.44745  553.84546  0.44800
  23   6.619 PV T 7.93e-3  333.14078  560.60712  0.20716
  24   6.631 PV T  0.0113  580.51447  634.30908  0.36099
  25   6.642 PV T 3.96e-3  113.75158  478.67816  0.07074
  26   6.661 PV T  0.0198 1549.69287  940.31982  0.96366
  27   6.708 PV T  0.0208 1067.69104  623.61603  0.66393
  28   6.744 PV T  0.0230 1286.33606  662.76544  0.79989
  29   6.773 PV T 7.34e-3  109.61417  249.04826  0.06816
  30   6.782 PV T 8.60e-3  103.76137  201.18074  0.06452
  31   6.810 PV T  0.0126  361.22769  397.67203  0.22463
  32   6.814 PV T  0.0124  273.21658  368.68176  0.16990
  33   6.847 PV T 5.16e-3   18.35805   59.32432  0.01142
  34   6.866 PV T 5.39e-3   73.74168  172.39400  0.04586
  35   6.891 PV T  0.0155  497.61731  384.82025  0.30944
  36   6.899 PV T  0.0199  450.07550  376.19659  0.27987
  37   6.978 PV T  0.0247 4395.60791 2261.34790  2.73336
  38   7.024 PV T  0.0108  238.53101  274.16653  0.14833
  39   7.051 PV T  0.0111  224.88850  244.97621  0.13984
  40   7.059 PV T  0.0141  237.32022  279.66595  0.14757
  41   7.079 PV T  0.0118  265.42432  275.40192  0.16505
  42   7.093 PV T  0.0123  173.17253  235.52365  0.10769
  43   7.112 PV T 8.34e-3  115.60702  174.18401  0.07189
  44   7.124 PV T 5.68e-3   69.74850  160.22690  0.04337
  45   7.132 PV T 5.95e-3   82.59645  173.73688  0.05136
  46   7.141 PV T 5.21e-3   62.72145  200.69591  0.03900
  47   7.148 PV T  0.0147  273.15170  225.86139  0.16986
  48   7.196 PV T  0.0181  530.08148  353.32565  0.32962
  49   7.239 PV T  0.0133  147.49612  140.06200  0.09172
  50   7.252 PV T 3.87e-3   27.51625  118.63305  0.01711
  51   7.256 PV T  0.0156  129.80299  138.99365  0.08072
  52   7.283 PV T 2.97e-3    7.23922   32.83438  0.00450
  53   7.290 PV T 2.77e-3    5.71398   30.70582  0.00355
  54   7.309 PV T  0.0138  214.44711  192.65610  0.13335
  55   7.327 PV T 4.37e-3   30.22564   88.78220  0.01880
  56   7.335 PB T 3.42e-3   10.20824   49.69685  0.00635
  57   7.382 BP    0.0325 1157.35352  431.93457  0.71969
  58   7.442 VV    0.0104   83.10201   99.33920  0.05168
  59   7.466 VV    0.0222  232.92789  125.79082  0.14484
  60   7.503 VV   7.38e-3   69.17285  130.60803  0.04301
  61   7.523 VP    0.0194  397.81921  244.35722  0.24738
  62   7.598 VV    0.0151  301.21600  271.59039  0.18731
  63   7.603 VV   6.31e-3  138.94127  283.64819  0.08640
  64   7.613 VV   6.05e-3   98.30408  218.26103  0.06113
  65   7.642 VV    0.0156  495.09756  411.61914  0.30787
  66   7.650 VV    0.0151  530.00201  420.91968  0.32958
  67   7.673 VV    0.0123  279.86066  284.77039  0.17403
  68   7.692 VV    0.0123  196.93547  195.83926  0.12246
  69   7.715 VV   3.33e-3   29.13277  124.39671  0.01812
  70   7.720 VV   8.15e-3   76.11190  120.88759  0.04733
  71   7.747 VV   9.90e-3  185.40582  232.51010  0.11529
  72   7.757 VPA   0.0181  380.54507  250.48396  0.23664

Totals :                   1.60814e5  4.28452e4

 Results obtained with enhanced integrator!
```

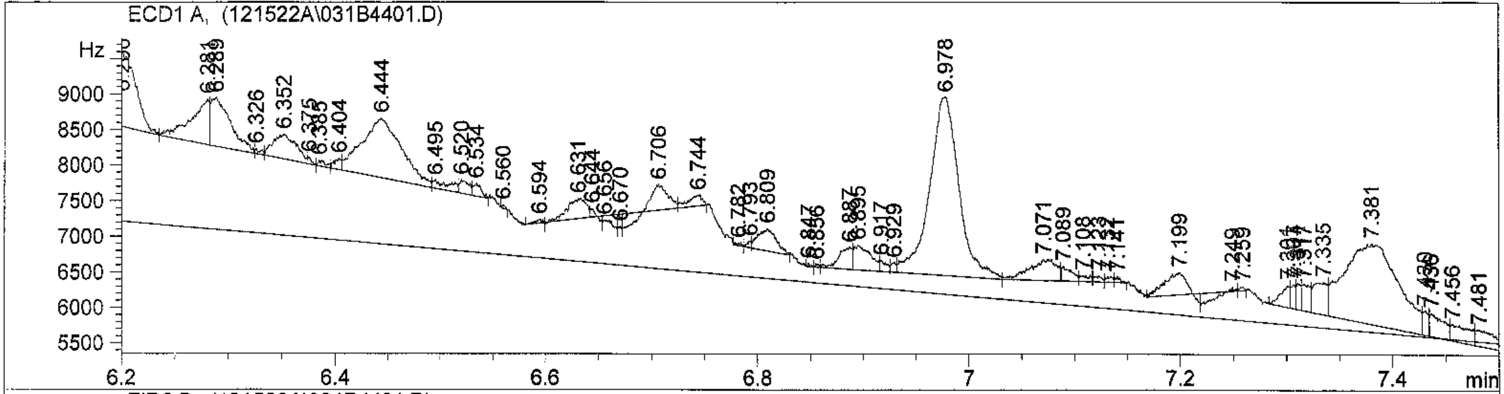
```
Signal 2: FID2 B,

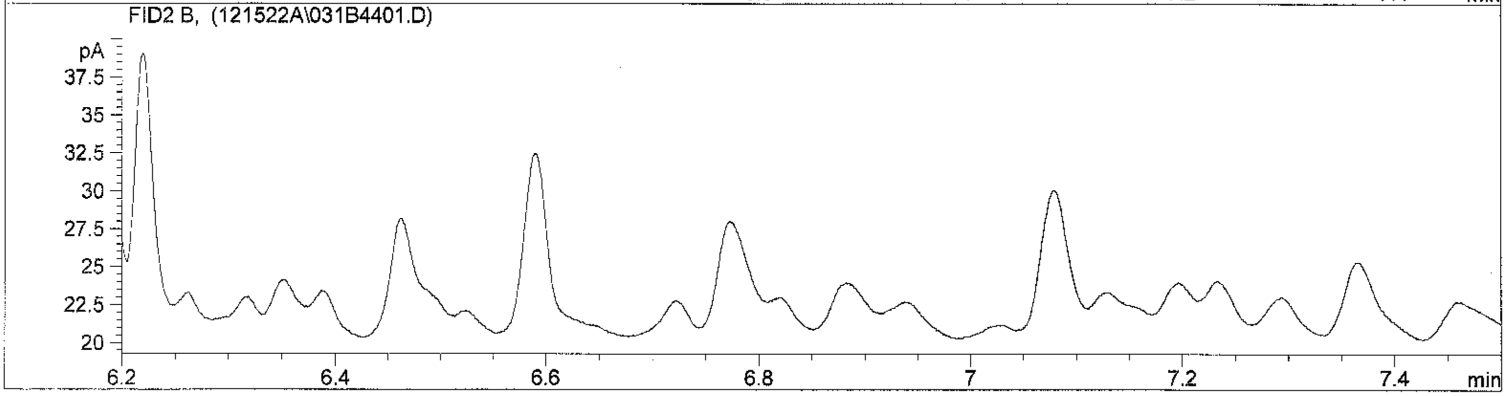
Peak RetTime Type  Width     Area       Height     Area
  #   [min]        [min]   [pA*s]       [pA]         %
----|-------|----|-------|----------|----------|--------|
   1   5.281 BB    0.0159   22.77900   21.60309 34.05613
   2   5.752 PB    0.0243   44.10764   24.41071 65.94387

Totals :                    66.88664   46.01380

 Results obtained with enhanced integrator!
=====================================================================
                          *** End of Report ***
```

```
=====================================================================
Injection Date  : 12/15/2022 10:44:12 PM          Seq. Line :  44
Sample Name     : 22L0312 06                       Location : Vial 31
Acq. Operator   : TW                                    Inj :  1
                                                 Inj Volume : 1 µl
Sequence File   : C:\HPCHEM\2\SEQUENCE\121522A.S
Method          : C:\HPCHEM\2\METHODS\DIOXIN.M
Last changed    : 3/22/2022 4:13:36 AM by DM
```





```
=====================================================================
                         Area Percent Report
=====================================================================

Sorted By             :      Signal
Multiplier            :      1.0000
Dilution              :      1.0000


Signal 1: ECD1 A,

Peak RetTime Type  Width      Area       Height      Area
  #   [min]        [min]    [Hz*s]       [Hz]         %
----|-------|----|-------|----------|----------|--------|
   1   5.228 BV S  0.0162 1.13786e4  1.00875e4   6.09667
   2   5.267 VV S  0.0729 4356.82471  996.43250  2.33440
   3   5.337 BV T  0.0180  536.43188  377.17004  0.28742
   4   5.375 VV S  0.0318 1.46421e4  5686.88574  7.84531
   5   5.436 VV S  0.0318 5212.54834 2736.13794  2.79290
   6   5.582 VV S  0.0765 1.72101e4  3048.44434  9.22126
   7   5.809 VV S  0.1466 2.68920e4  3056.61743 14.40881
   8   5.999 VV S  0.1261 2.96928e4  2899.27637 15.90951
   9   6.075 VBAS  0.3716 5.19943e4  1721.45703 27.85871
  10   6.169 BV T  0.0111  170.13734  189.01680  0.09116
  11   6.200 VV T  0.0252 2038.80566 1045.34167  1.09240
  12   6.281 PV T  0.0147  776.35876  641.67828  0.41598
  13   6.289 VV T  0.0210  861.87213  683.34210  0.46179
  14   6.326 PV T 6.71e-3   25.88292   64.26567  0.01387
  15   6.352 PV T  0.0179  515.06818  347.68054  0.27598
  16   6.375 PV T 4.26e-3   23.33237   91.32719  0.01250
  17   6.385 PV T 6.20e-3   38.75926   78.01900  0.02077
```

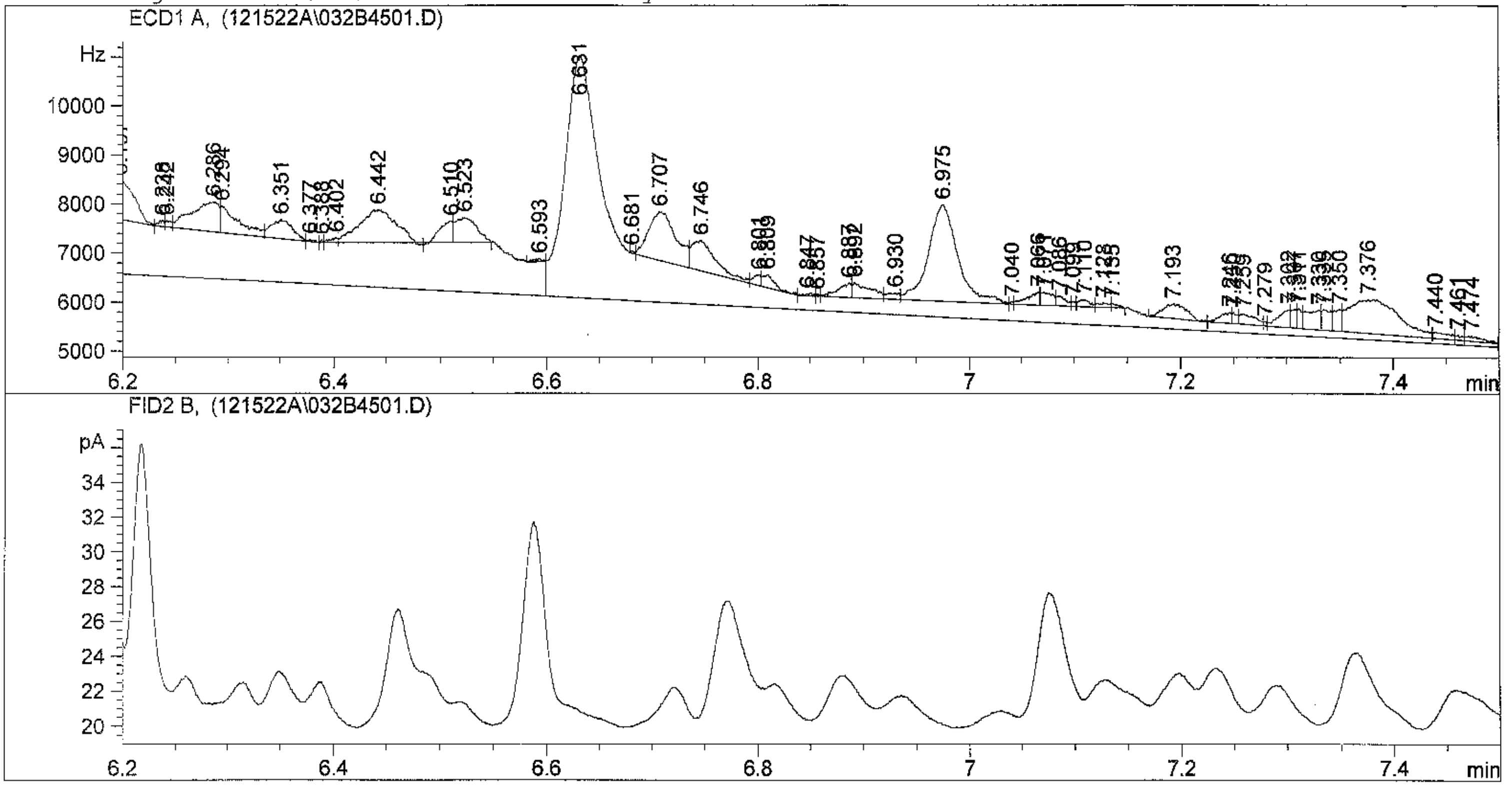
```
Peak RetTime Type  Width     Area      Height     Area
  #   [min]        [min]   [Hz*s]      [Hz]         %
----|-------|----|-------|----------|----------|--------|
  18   6.404 PV T 5.80e-3   70.17298  157.30077  0.03760
  19   6.444 PV T  0.0313 2187.54321  835.86438  1.17209
  20   6.495 PV T  0.0207  133.82800  107.96691  0.07171
  21   6.520 PV T 7.83e-3  116.53170  187.95851  0.06244
  22   6.534 PB T 9.05e-3   93.14191  171.47043  0.04991
  23   6.560 BB T 3.75e-3   10.40072   46.27331  0.00557
  24   6.594 BV T 5.28e-3   19.48055   50.70733  0.01044
  25   6.631 PV T  0.0157  347.91516  280.82907  0.18641
  26   6.644 PV T 2.14e-3   15.84390  123.15297  0.00849
  27   6.656 PV T  0.0286   95.21725   55.41101  0.05102
  28   6.670 PV T 4.82e-3   49.79135  172.16353  0.02668
  29   6.706 PV T 8.57e-3  228.54665  352.21472  0.12246
  30   6.744 PB T  0.0112  137.78442  149.00024  0.07383
  31   6.782 BV T 6.03e-3   12.26540   33.91688  0.00657
  32   6.793 PV T 3.77e-3   24.96455   91.92038  0.01338
  33   6.809 PB T  0.0142  366.88556  314.36469  0.19658
  34   6.847 BV T 2.89e-3    7.79252   36.51769  0.00418
  35   6.856 PV T 5.24e-3   11.36820   34.56228  0.00609
  36   6.887 PV T  0.0113  265.33139  303.17432  0.14217
  37   6.895 PV T  0.0135  376.06912  346.03616  0.20150
  38   6.917 PV T 7.86e-3   69.25130  146.85750  0.03711
  39   6.929 PV T 5.55e-3   42.14690  126.63362  0.02258
  40   6.978 PV T  0.0236 4842.64258 2499.09912  2.59471
  41   7.071 PV T  0.0213  510.90396  287.89056  0.27374
  42   7.089 PV T  0.0114  135.89134  198.15776  0.07281
  43   7.108 PV T 8.13e-3   52.70692   79.53966  0.02824
  44   7.123 PV T 7.10e-3   40.91808   83.80577  0.02192
  45   7.132 PV T 6.87e-3   31.13132   75.51334  0.01668
  46   7.141 PB T 4.95e-3   20.88116   70.31617  0.01119
  47   7.199 BV T  0.0165  409.90671  304.56219  0.21963
  48   7.249 PV T  0.0000  109.41515   54.57830  0.05863
  49   7.259 PB T 3.88e-3   15.96258   56.72262  0.00855
  50   7.301 BV T 7.68e-3  184.89244  304.78757  0.09907
  51   7.307 PV T 4.16e-3  102.54967  336.45203  0.05495
  52   7.311 PV T 5.04e-3  111.63645  369.47427  0.05982
  53   7.317 PV T 9.16e-3  207.04581  376.86746  0.11094
  54   7.335 PV T  0.0116  402.75427  451.18137  0.21580
  55   7.381 PV T  0.0414 3961.25098 1126.67712  2.12245
  56   7.430 PV T 4.96e-3  127.37720  340.87839  0.06825
  57   7.436 PV T  0.0157  306.75589  326.43979  0.16436
  58   7.456 PV T  0.0220  299.66785  226.74014  0.16056
  59   7.481 PV T  0.0202  271.08044  223.74619  0.14525
  60   7.517 PV T  0.0251  578.95276  277.59384  0.31020
  61   7.594 PV T  0.0178  322.06149  218.52200  0.17256
  62   7.601 PV T  0.0133  245.76440  237.41107  0.13168
  63   7.644 PV T  0.0224  711.49664  387.62827  0.38122
  64   7.667 PV T 8.33e-3  191.96210  289.69388  0.10285
  65   7.678 PV T 4.44e-3   68.77621  257.88571  0.03685
  66   7.683 PV T 7.04e-3  105.16502  248.86569  0.05635
  67   7.701 PV T  0.0137  239.72656  213.38635  0.12845
  68   7.715 PV T 4.88e-3   41.76630  142.55063  0.02238
  69   7.728 PV T 8.37e-3  112.21747  173.00018  0.06013
  70   7.753 PV T  0.0271  822.50586  358.83777  0.44070
  71   7.798 PBAT 1.32e-3    1.61933   20.57052  0.00087

Totals :                  1.86636e5  4.84943e4

 Results obtained with enhanced integrator!

Signal 2: FID2 B,
```

```
=====================================================================
Injection Date  : 12/15/2022 10:55:22 PM       Seq. Line :  45
Sample Name     : 22L0312 07                    Location : Vial 32
Acq. Operator   : TW                                  Inj :   1
                                           Inj Volume : 1 µl
Sequence File   : C:\HPCHEM\2\SEQUENCE\121522A.S
Method          : C:\HPCHEM\2\METHODS\DIOXIN.M
Last changed    : 3/22/2022 4:13:36 AM by DM
```



```
=====================================================================
                         Area Percent Report
=====================================================================

Sorted By             :      Signal
Multiplier            :      1.0000
Dilution              :      1.0000


Signal 1: ECD1 A,

Peak RetTime Type  Width     Area      Height     Area
  #   [min]        [min]   [Hz*s]      [Hz]        %
----|-------|----|-------|----------|----------|--------|
   1   5.227 PV S  0.0179 1.16412e4  9773.14453  6.49273
   2   5.265 BV T  0.0102  530.52045  642.35815  0.29589
   3   5.310 PV T 6.86e-3   36.99675   79.01681  0.02063
   4   5.375 VV S  0.0346 1.16644e4  4280.97363  6.50563
   5   5.434 VV S  0.0306 4004.94482 2184.43921  2.23370
   6   5.809 VV S  0.2427 3.71894e4  2554.19897 20.74181
   7   5.996 VV S  0.1224 3.04432e4  4146.29834 16.97926
   8   6.086 VV S  0.1954 3.47161e4  2130.99219 19.36240
   9   6.155 BV T 5.70e-3   67.59414  167.83559  0.03770
  10   6.160 VV T 4.78e-3   42.63812  148.81764  0.02378
  11   6.170 VV T 6.79e-3  108.61850  204.64929  0.06058
  12   6.197 VV T  0.0228 1472.48889  779.22290  0.82126
  13   6.238 PV T 5.35e-3   45.37137  111.33291  0.02531
  14   6.242 PV T 6.27e-3   49.23351  130.81796  0.02746
  15   6.286 PV T  0.0214 1091.39905  611.05005  0.60871
  16   6.294 VV T  0.0211  684.36407  540.04449  0.38169
  17   6.351 PV T  0.0167  531.96564  386.33136  0.29670
```

```
Peak RetTime Type  Width      Area      Height      Area
  #   [min]        [min]    [Hz*s]       [Hz]        %
----|-------|----|-------|----------|----------|--------|
  18   6.377 PV T 4.95e-3   19.36160   49.66731  0.01080
  19   6.388 PV T 1.88e-3    6.28928   55.77834  0.00351
  20   6.402 PV T 6.62e-3   50.98496   98.81914  0.02844
  21   6.442 PV T  0.0297 1609.06348  669.10327  0.89743
  22   6.510 PV T  0.0108  356.75150  431.62500  0.19897
  23   6.523 PB T  0.0172  699.17615  504.32001  0.38996
  24   6.593 BV T 6.59e-3   30.34623   59.07615  0.01693
  25   6.631 PBAS  0.0640 2.62239e4 4935.23975 14.62599
  26   6.681 BV T 4.09e-3   11.99876   48.91502  0.00669
  27   6.707 PV T  0.0218 1799.44324  988.70538  1.00361
  28   6.746 PV T  0.0194  967.70282  613.72345  0.53972
  29   6.801 PV T 6.33e-3  102.18935  208.08664  0.05699
  30   6.809 PV T 9.81e-3  206.59103  261.66440  0.11522
  31   6.847 PV T  0.0101   24.30120   39.95260  0.01355
  32   6.857 PV T 4.07e-3    7.37696   30.23461  0.00411
  33   6.887 PV T  0.0103  242.52695  291.21722  0.13527
  34   6.892 PV T  0.0197  362.80859  306.52725  0.20235
  35   6.930 PV T 9.80e-3  105.10317  133.29660  0.05862
  36   6.975 PV T  0.0239 3804.29639 1970.02490  2.12179
  37   7.040 PV T 3.34e-3   10.32473   51.46630  0.00576
  38   7.066 PV T  0.0102  216.51619  263.76303  0.12076
  39   7.071 PV T 9.67e-3  203.58594  262.01068  0.11355
  40   7.086 PV T 8.11e-3  126.76804  202.29408  0.07070
  41   7.099 PV T 4.25e-3   26.25712  103.01868  0.01464
  42   7.110 PV T 8.63e-3  101.77350  147.87411  0.05676
  43   7.128 PV T 8.48e-3   59.65549   88.30052  0.03327
  44   7.135 PB T 7.95e-3   36.94154   77.42335  0.02060
  45   7.193 BV T  0.0188  451.83264  292.59650  0.25200
  46   7.246 PV T 8.80e-3  153.92847  224.60938  0.08585
  47   7.250 PV T 5.61e-3   76.02113  225.86620  0.04240
  48   7.259 PV T  0.0119  212.76547  219.91173  0.11867
  49   7.279 PV T 3.35e-3   18.02002   89.64269  0.01005
  50   7.302 PV T 9.61e-3  277.62875  359.31818  0.15484
  51   7.307 PV T 4.41e-3  133.53586  388.36694  0.07448
  52   7.311 PV T 4.91e-3  116.95659  397.03842  0.06523
  53   7.330 PV T  0.0115  371.93463  398.89453  0.20744
  54   7.335 PV T 9.69e-3  241.20464  414.84210  0.13453
  55   7.350 PV T 6.98e-3  228.81860  446.48215  0.12762
  56   7.376 PV T  0.0387 2267.55566  690.96149  1.26470
  57   7.440 PV T  0.0176  133.70567  126.47698  0.07457
  58   7.461 PV T 5.54e-3   43.32541  102.22136  0.02416
  59   7.474 PV T  0.0128  112.84693  108.26404  0.06294
  60   7.508 PV T 5.23e-3   20.04803   50.48549  0.01118
  61   7.521 PB T 6.85e-3   35.59221   66.48994  0.01985
  62   7.574 BV T 8.23e-3   77.95589  129.40720  0.04348
  63   7.592 PV T  0.0154  290.50323  237.86572  0.16202
  64   7.604 PV T  0.0131  169.54414  216.02684  0.09456
  65   7.628 PV T  0.0102  199.21440  247.59358  0.11111
  66   7.647 PV T  0.0191  606.69562  386.12900  0.33838
  67   7.676 PV T  0.0282  425.58261  251.25003  0.23736
  68   7.699 PV T 7.56e-3   77.78339  171.45851  0.04338
  69   7.710 PV T 9.67e-3  122.18521  157.13376  0.06815
  70   7.748 PV T  0.0252  531.41199  263.04327  0.29639
  71   7.769 PV T  0.0139  142.98740  171.89417  0.07975
  72   7.790 PBAT 6.90e-3   24.51850   59.22644  0.01367

Totals :                 1.79297e5  4.86571e4

 Results obtained with enhanced integrator!
```

```
Signal 2: FID2 B,

Peak RetTime Type  Width     Area      Height     Area
  #   [min]        [min]   [pA*s]      [pA]         %
----|-------|----|-------|----------|----------|--------|
   1   5.281 BB    0.0164   23.31906   22.00584 1.000e2

Totals :                    23.31906   22.00584

 Results obtained with enhanced integrator!
=====================================================================
                          *** End of Report ***
```

```
=====================================================================
Injection Date  : 12/15/2022 11:06:32 PM            Seq. Line :  46
Sample Name     : 22L0312 08                         Location : Vial 33
Acq. Operator   : TW                                      Inj :    1
                                                  Inj Volume : 1 µl
Sequence File   : C:\HPCHEM\2\SEQUENCE\121522A.S
Method          : C:\HPCHEM\2\METHODS\DIOXIN.M
Last changed    : 3/22/2022 4:13:36 AM by DM
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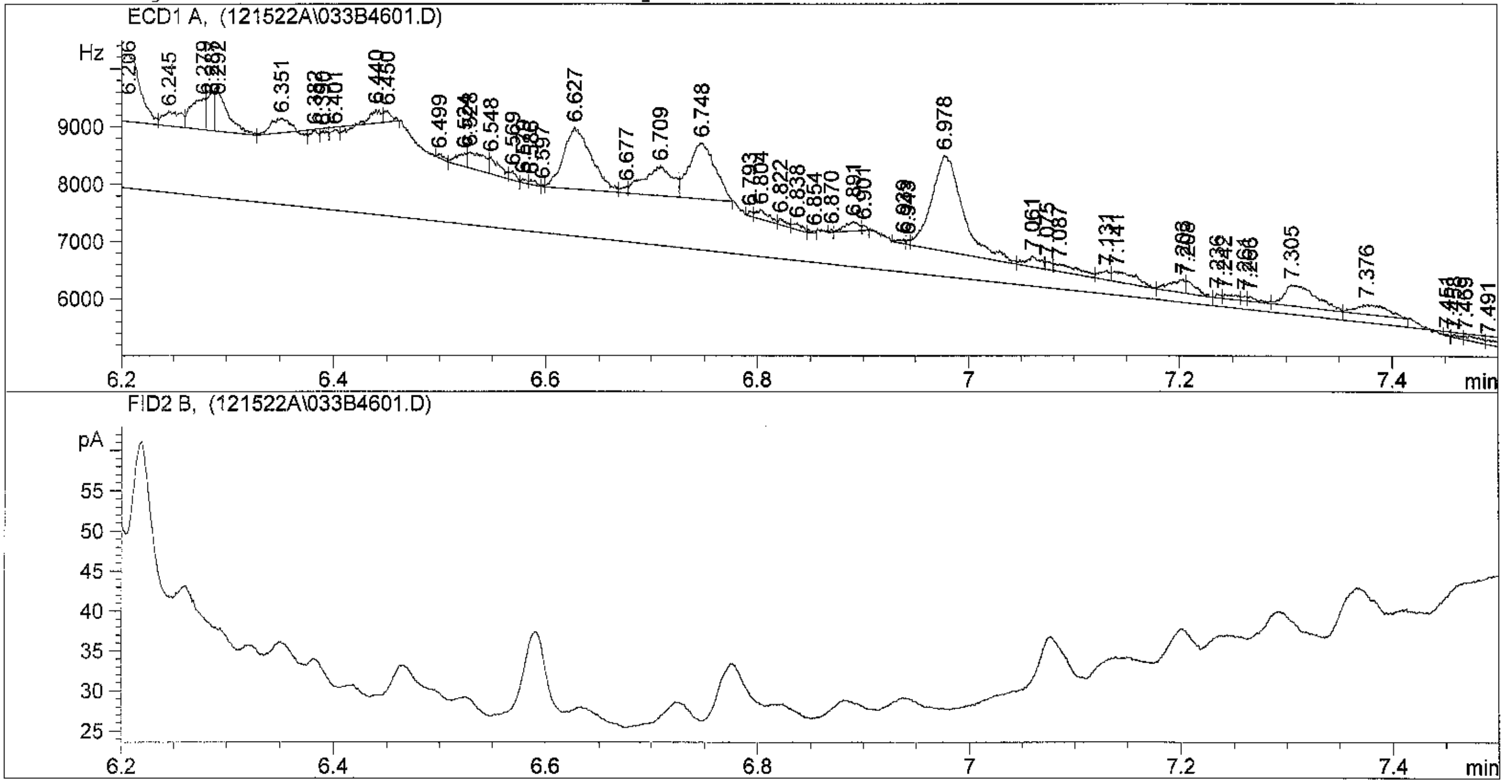

```
=====================================================================
                         Area Percent Report
=====================================================================

Sorted By             :      Signal
Multiplier            :      1.0000
Dilution              :      1.0000


Signal 1: ECD1 A,

Peak RetTime Type  Width     Area       Height     Area
  #   [min]        [min]   [Hz*s]       [Hz]        %
----|-------|----|-------|----------|----------|--------|
   1   5.234 BV S  0.0181 4263.00293 3096.30273  2.71489
   2   5.272 BP T  0.0123  591.84558  669.69629  0.37692
   3   5.293 PV T 2.70e-3   13.70162   76.15437  0.00873
   4   5.297 PV T 6.16e-3   49.23763  133.20383  0.03136
   5   5.313 PP T  0.0119  330.49982  347.04382  0.21048
   6   5.339 PV T 3.33e-3   17.21932   68.53625  0.01097
   7   5.385 VV S  0.0802 2.67332e4  3918.01318 17.02504
   8   5.443 BV T  0.0110  833.42676  952.25299  0.53077
   9   5.484 PV T 8.49e-3  116.96986  184.29938  0.07449
  10   5.511 PV T 8.85e-4    1.90615  262.72055  0.00121
  11   5.534 PV T 4.61e-3  102.55272  370.97504  0.06531
  12   5.575 PV T  0.0000  204.07497  468.69101  0.12997
  13   5.588 PV T 8.46e-3  412.15341  611.97723  0.26248
  14   5.593 PV T 7.38e-3  230.32622  520.42218  0.14668
  15   5.606 PV T 2.54e-3    7.89813   51.91666  0.00503
  16   5.628 PV T 1.76e-3   20.04118  201.41083  0.01276
  17   5.659 PV T  0.0198  230.04672  138.35165  0.14651
```

```
Peak RetTime Type  Width     Area      Height     Area  
  #   [min]        [min]   [Hz*s]       [Hz]        %   
----|-------|----|-------|----------|----------|--------|
  18   5.705 PV T  0.0177  823.84479  562.52081  0.52467
  19   5.725 PB T 4.24e-3   15.86749   62.32322  0.01011
  20   5.775 BV T  0.0196  844.64471  542.69049  0.53791
  21   5.816 PBAS  0.4028 9.27262e4  2689.46069 59.05267
  22   5.850 BV T 3.65e-3   14.91764   68.20173  0.00950
  23   5.868 PV T  0.0150  981.30841  864.56586  0.62495
  24   5.908 PV T  0.0150  793.51147  650.70605  0.50535
  25   5.937 PV T  0.0232 2591.34888 1339.93628  1.65030
  26   5.972 PV T  0.0148  832.46149  703.36169  0.53015
  27   6.001 PV T  0.0162 1406.67566 1062.53821  0.89584
  28   6.032 PV T  0.0224 1409.79260  761.39087  0.89783
  29   6.068 PV T 7.15e-3  104.69962  186.61620  0.06668
  30   6.081 PV T 6.94e-3   74.34811  146.07124  0.04735
  31   6.118 PV T  0.0269  962.03687  427.53259  0.61267
  32   6.174 PV T  0.0114  420.20685  482.04572  0.26761
  33   6.184 PV T 8.24e-3  339.12433  578.43396  0.21597
  34   6.206 PV T  0.0203 1944.67407 1152.85291  1.23847
  35   6.245 PV T  0.0152  310.10022  245.24538  0.19749
  36   6.279 PV T  0.0120  508.51038  531.52478  0.32384
  37   6.287 PV T 6.46e-3  306.86316  656.00732  0.19543
  38   6.292 PV T  0.0118  588.60156  662.30463  0.37485
  39   6.351 PV T  0.0140  272.22449  247.92590  0.17337
  40   6.382 PV T  0.0322   41.26869   15.54971  0.02628
  41   6.390 PV T  0.0164   38.51248   39.02838  0.02453
  42   6.401 PV T  0.0119   40.93743   42.39865  0.02607
  43   6.440 PV T 5.57e-3  103.41982  233.29750  0.06586
  44   6.450 PB T 6.24e-3   95.65351  191.10239  0.06092
  45   6.499 BV T 5.95e-3   31.03357   65.19881  0.01976
  46   6.524 PV T 7.94e-3  145.14172  224.59763  0.09243
  47   6.528 PV T  0.0199  333.54974  279.90125  0.21242
  48   6.548 PV T  0.0116  202.28882  291.71509  0.12883
  49   6.569 PV T 6.61e-3   63.21569  159.44096  0.04026
  50   6.579 PV T 4.73e-3   24.07400   64.92564  0.01533
  51   6.586 PV T 7.18e-3   34.32409   79.72363  0.02186
  52   6.597 PV T 2.34e-3    5.98442   42.61217  0.00381
  53   6.627 PV T  0.0217 1952.96948 1071.41370  1.24375
  54   6.677 PV T 5.55e-3   48.95356  115.31621  0.03118
  55   6.709 PV T  0.0220  951.71881  513.92883  0.60610
  56   6.748 PB T  0.0210 1673.62134  976.40460  1.06585
  57   6.793 BV T 4.07e-3   25.13094   79.83843  0.01600
  58   6.804 PV T  0.0107  132.01794  162.03998  0.08408
  59   6.822 PV T 5.98e-3   53.41752  115.92877  0.03402
  60   6.838 PV T 8.26e-3   66.03558  109.17761  0.04205
  61   6.854 PB T 6.71e-3   13.21476   32.81979  0.00842
  62   6.870 BV T 2.18e-3    6.17276   47.24203  0.00393
  63   6.891 PV T  0.0111  146.16827  162.33809  0.09309
  64   6.901 PB T 4.21e-3   23.25235   92.15073  0.01481
  65   6.939 BV T 5.30e-3   35.41186   87.97012  0.02255
  66   6.943 PV T 3.37e-3   16.38308   80.99535  0.01043
  67   6.978 PV T  0.0246 3428.71875 1664.29187  2.18358
  68   7.061 PV T  0.0116  175.41644  186.88800  0.11171
  69   7.075 PV T 7.28e-3   60.51734  138.47491  0.03854
  70   7.087 PV T  0.0297  229.16284  128.75273  0.14594
  71   7.131 PV T 9.37e-3  111.58790  155.54001  0.07106
  72   7.141 PV T  0.0200  294.80554  175.62715  0.18775
  73   7.203 PV T  0.0121  216.45837  231.80603  0.13785
  74   7.208 PV T  0.0114  151.56749  221.16815  0.09653
  75   7.236 PV T 4.53e-3   22.30425   69.74120  0.01420
  76   7.242 PV T  0.0148   66.29140   74.63026  0.04222
  77   7.261 PV T 4.90e-3   27.30814   92.86804  0.01739
  78   7.266 PV T 9.97e-3   55.96801   93.51718  0.03564
  79   7.305 PV T  0.0253  779.87842  365.09958  0.49667
  80   7.376 PB T  0.0234  350.81427  179.54745  0.22342
  81   7.451 BV T 3.38e-3    6.59006   32.53745  0.00420
  82   7.458 PV T 7.15e-3   26.43528   47.09202  0.01684
```

```
Peak RetTime Type  Width     Area       Height      Area
  #   [min]        [min]   [Hz*s]       [Hz]         %
----|-------|----|-------|----------|----------|--------|
  83   7.469 PV T  0.0199   86.20633   72.17112  0.05490
  84   7.491 PV T  0.0203  137.73763   82.41409  0.08772
  85   7.528 PP T  0.0155   51.29610   55.16093  0.03267
  86   7.559 PP T 3.29e-3    5.19694   26.42218  0.00331
  87   7.596 PV T  0.0168  198.72429  142.92691  0.12656
  88   7.607 PV T 8.50e-3   63.87352  125.24944  0.04068
  89   7.653 PV T  0.0340 1326.48755  471.12427  0.84477
  90   7.700 PV T  0.0258  208.52882  134.46271  0.13280
  91   7.743 PV T 5.57e-3   33.80729   82.65062  0.02153
  92   7.753 PV T 7.00e-3   56.43036  113.47713  0.03594
  93   7.759 PV T 3.52e-3   21.53906  102.12078  0.01372
  94   7.765 PP T 8.57e-3   83.05421  121.53255  0.05289
  95   7.791 PP T 3.40e-3   12.21859   47.50150  0.00778

Totals :                 1.57023e5  3.75081e4

 Results obtained with enhanced integrator!

Signal 2: FID2 B,

Peak RetTime Type  Width     Area       Height      Area
  #   [min]        [min]   [pA*s]       [pA]         %
----|-------|----|-------|----------|----------|--------|
   1   5.336 BP    0.0224  123.85738   80.48795  4.38412
   2   5.512 BV    0.0276  329.29553  174.27002 11.65590
   3   5.556 VV    0.0176  227.45377  183.67212  8.05106
   4   5.576 VV    0.0153  124.54440  119.90103  4.40843
   5   5.621 VV    0.0260  179.61720   84.52409  6.35782
   6   5.659 VV    0.0212  177.10410  120.36522  6.26886
   7   5.695 VV    0.0303  284.73129  126.15484 10.07849
   8   5.751 VV    0.0359  376.91675  136.29478 13.34153
   9   5.821 VV    0.0292  224.90102  104.25183  7.96071
  10   5.861 VV    0.0283  435.32761  208.86096 15.40907
  11   5.938 VB    0.0335  292.02774  115.33527 10.33676
  12   6.130 PP    0.0215   49.36262   34.47848  1.74726

Totals :                 2825.13941 1488.59660

 Results obtained with enhanced integrator!
=====================================================================
                          *** End of Report ***
```

```
=====================================================================
Injection Date  : 12/15/2022 11:39:55 PM         Seq. Line :  49
Sample Name     : CS4                             Location : Vial 3
Acq. Operator   : TW                                   Inj :  1
                                                Inj Volume : 1 µl
Sequence File   : C:\HPCHEM\2\SEQUENCE\121522A.S
Method          : C:\HPCHEM\2\METHODS\DIOXIN.M
Last changed    : 3/22/2022 4:13:36 AM by DM
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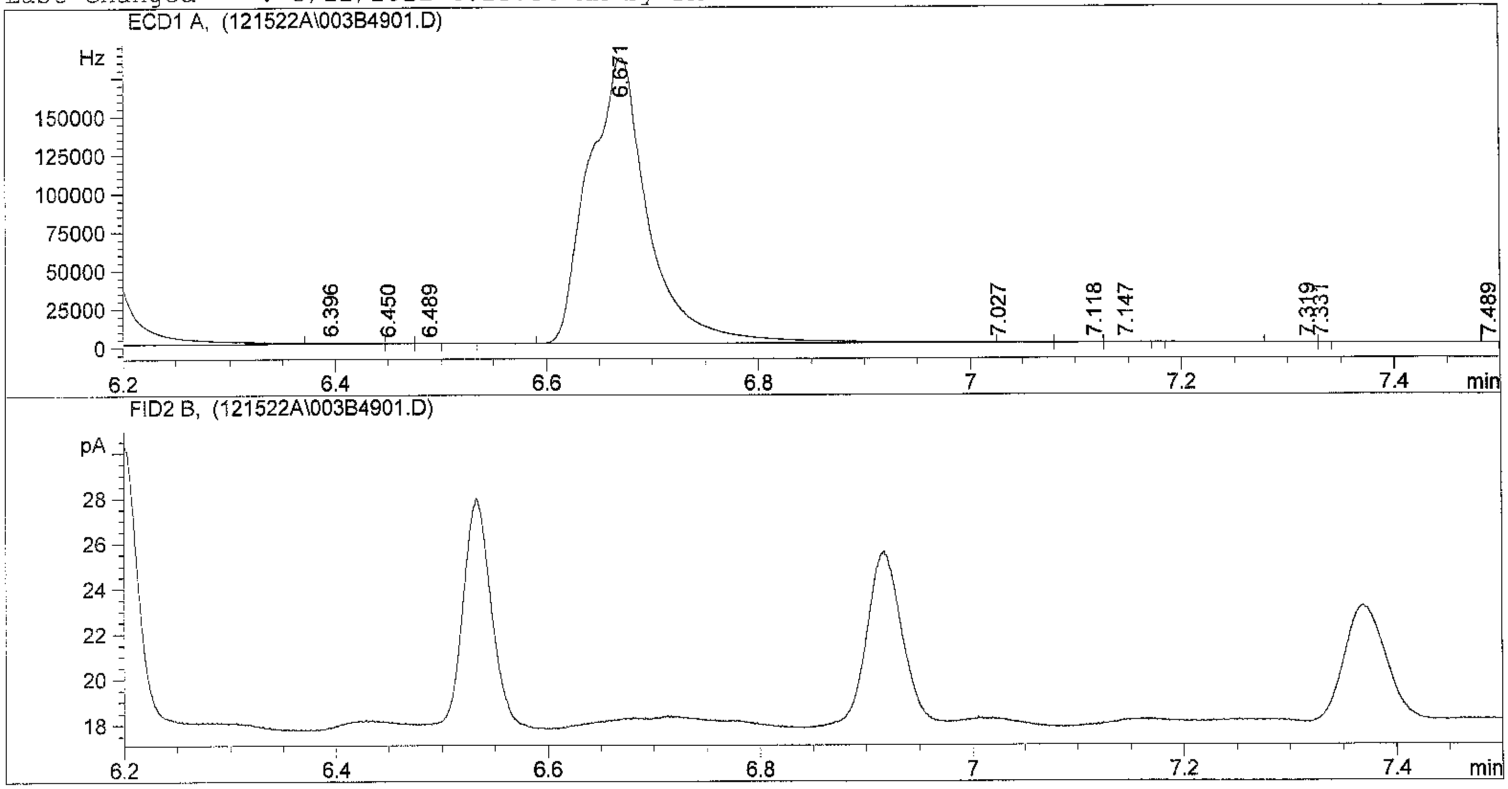


```
=====================================================================
                        Area Percent Report
=====================================================================

Sorted By             :      Signal
Multiplier            :      1.0000
Dilution              :      1.0000


Signal 1: ECD1 A,

Peak RetTime Type  Width     Area      Height     Area
  #   [min]        [min]    [Hz*s]     [Hz]        %
----|-------|----|-------|----------|----------|--------|
   1   5.291 BP    0.0148  801.41156  866.53894  0.02439
   2   5.350 BP    0.0125   34.69974   34.49135  0.00106
   3   5.399 VP    0.0195  131.88214   83.15037  0.00401
   4   5.498 VV S  0.0332 5.17815e5  2.21784e5  15.75598
   5   5.595 VV S  0.0433 7.59564e5  2.92168e5  23.11188
   6   5.658 VV S  0.0329 2.49146e5  1.26132e5   7.58097
   7   5.705 VV S  0.0445 2.74154e5  1.02647e5   8.34191
   8   5.851 VV S  0.0446 5537.81787 2069.60840  0.16850
   9   5.947 VV S  0.0329 2.82433e5  1.43259e5   8.59383
  10   6.097 VV S  0.0332 2.16749e5  1.08878e5   6.59519
  11   6.177 VB S  0.0385 2.55077e5  1.10445e5   7.76144
  12   6.396 BV T  0.0223  337.15887  185.04619  0.01026
  13   6.450 PV T 8.17e-3   10.80930   22.05277  0.00033
  14   6.489 PB T 9.83e-3   17.59789   23.24156  0.00054
  15   6.671 PB S  0.0508 7.23873e5  1.85385e5  22.02587
  16   7.027 BV T  0.0202   99.20989   81.70483  0.00302
  17   7.118 PV T  0.0209   67.17702   38.57832  0.00204
```

```
Peak RetTime Type  Width     Area      Height     Area
  #   [min]        [min]   [Hz*s]      [Hz]        %
----|-------|----|-------|----------|----------|---------|
  18   7.147 PB T  0.0204  116.46187   68.52201  0.00354
  19   7.319 PV    0.0179   82.29376   55.42694  0.00250
  20   7.331 VB   6.29e-3   18.40429   39.12970  0.00056
  21   7.489 BB   4.37e-3    2.76632   10.88150 8.417e-5
  22   7.628 PV    0.0294  376.94357  153.75043  0.01147
  23   7.753 PP    0.0104   10.89455   12.93486  0.00033
  24   7.789 VP   9.02e-3    9.48884   14.15771  0.00029

Totals :                  3.28646e6  1.29446e6

 Results obtained with enhanced integrator!

Signal 2: FID2 B,

=====================================================================
                         *** End of Report ***
```

CLEANUP BATCH SUMMARY

Laboratory:	Analytical Resources, LLC	SDG:	22L0307
Client:	Anchor QEA, LLC	Project:	AOC4 UR Phase 3
Cleanup Batch:	CLA0007	Cleanup Type:	Sulfuric Acid
Cleanup Method:	EPA 3665 Sulfuric Acid Cleanup - uL	Analysis:	EPA 1613B

SAMPLE NAME	LAB SAMPLE ID	LAB FILE ID	DATE PREPARED	OBSERVATIONS
Blank	BKL0420-BLK1	23020723	12/29/2022	
Reference	BKL0420-SRM1	23020725	12/29/2022	
Duplicate	BKL0420-DUP1	23020726	12/29/2022	
LDW22-IT808C	22L0307-31	23020729	12/29/2022	
LCS	BKL0420-BS1	23020724	12/29/2022	
LDW22-IT808B	22L0307-30	23020728	12/29/2022	
LDW22-IT808D	22L0307-32	23020730	12/29/2022	
LDW22-IT808E	22L0307-33	23020731	12/29/2022	
LDW22-IT808F	22L0307-34	23020732	12/29/2022	
LDW22-IT808A	22L0307-29	23020727	12/29/2022	

Analytical Resources, LLC
Analytical Chemists and Consultants

CLEANUP BENCH SHEET

CLA0007

Matrix: Solid **Cleanup using: HRGCMS - EPA 3665 Sulfuric Acid Cleanup - uL** **Printed: 1/3/2023 10:34:19AM**

Lab Number	Sample Container	Sample Name	Extract Container	Initial (uL)	Final (uL)	Analysis	Clean Up Date	Cleaned By	Cleanup Comments
22L0307-29	A	LDW22-IT808A	A 01	20	20	8290 Dioxin	12/29/2022	DxP	
22L0307-29	A	LDW22-IT808A	A 01	20	20	1613B Dioxin	12/29/2022	DxP	
22L0307-30	A	LDW22-IT808B	A 01	20	20	1613B Dioxin	12/29/2022	DxP	
22L0307-31	A	LDW22-IT808C	A 01	20	20	1613B Dioxin	12/29/2022	DxP	
22L0307-32	A	LDW22-IT808D	A 01	20	20	1613B Dioxin	12/29/2022	DxP	
22L0307-33	A	LDW22-IT808E	A 01	20	20	1613B Dioxin	12/29/2022	DxP	
22L0307-34	A	LDW22-IT808F	A 01	20	20	1613B Dioxin	12/29/2022	DxP	
22L0312-01	A	RM10W-ST01-221208	A 01	20	20	1613B Dioxin	12/29/2022	DxP	
22L0312-01	A	RM10W-ST01-221208	A 01	20	20	8290 Dioxin	12/29/2022	DxP	
22L0312-02	A	RM10W-ST03-221208	A 01	20	20	8290 Dioxin	12/29/2022	DxP	
22L0312-03	A	RM10W-ST04-221207	A 01	20	20	8290 Dioxin	12/29/2022	DxP	
22L0312-04	A	RM10W-ST05-221207	A 01	20	20	8290 Dioxin	12/29/2022	DxP	
22L0312-05	A	RM10W-ST06-221207	A 01	20	20	8290 Dioxin	12/29/2022	DxP	
22L0312-06	A	RM10W-ST07-221207	A 01	20	20	8290 Dioxin	12/29/2022	DxP	
22L0312-07	A	RM10W-ST08-221207	A 01	20	20	8290 Dioxin	12/29/2022	DxP	
22L0312-08	A	RM10W-FD18	A 01	20	20	8290 Dioxin	12/29/2022	DxP	
BKL0420-BLK1	-	Blank	-	20	20	-	12/29/2022	DxP	
BKL0420-BS1	-	LCS	-	20	20	-	12/29/2022	DxP	
BKL0420-DUP1	-	Duplicate	-	20	20	-	12/29/2022	DxP	
BKL0420-DUP2	-	Duplicate	-	20	20	-	12/29/2022	DxP	
BKL0420-SRM1	-	Reference	-	20	20	-	12/29/2022	DxP	

CLEANUP BATCH SUMMARY

Laboratory:	Analytical Resources, LLC	SDG:	22L0307
Client:	Anchor QEA, LLC	Project:	AOC4 UR Phase 3
Cleanup Batch:	CLA0008	Cleanup Type:	Silica Gel
Cleanup Method:	EPA 3630C Silica Gel Cleanup - uL	Analysis:	EPA 1613B

SAMPLE NAME	LAB SAMPLE ID	LAB FILE ID	DATE PREPARED	OBSERVATIONS
LDW22-IT808B	22L0307-30	23020728	12/30/2022	
LDW22-IT808C	22L0307-31	23020729	12/30/2022	
LDW22-IT808D	22L0307-32	23020730	12/30/2022	
LDW22-IT808E	22L0307-33	23020731	12/30/2022	
LDW22-IT808F	22L0307-34	23020732	12/30/2022	
Reference	BKL0420-SRM1	23020725	12/30/2022	
LCS	BKL0420-BS1	23020724	12/30/2022	
Duplicate	BKL0420-DUP1	23020726	12/30/2022	
Blank	BKL0420-BLK1	23020723	12/30/2022	
LDW22-IT808A	22L0307-29	23020727	12/30/2022	

CLEANUP BENCH SHEET

CLA0008

Matrix: Solid **Cleanup using: HRGCMS - EPA 3660C Silica Gel Cleanup - uL** **Printed: 1/3/2023 10:35:50AM**

Lab Number	Sample Container	Sample Name	Extract Container	Initial (uL)	Final (uL)	Analysis	Clean Up Date	Cleaned By	Cleanup Comments
22L0307-29	A	LDW22-IT808A	A 01	20	20	8290 Dioxin	12/30/2022	DxP	
22L0307-29	A	LDW22-IT808A	A 01	20	20	1613B Dioxin	12/30/2022	DxP	
22L0307-30	A	LDW22-IT808B	A 01	20	20	1613B Dioxin	12/30/2022	DxP	
22L0307-31	A	LDW22-IT808C	A 01	20	20	1613B Dioxin	12/30/2022	DxP	
22L0307-32	A	LDW22-IT808D	A 01	20	20	1613B Dioxin	12/30/2022	DxP	
22L0307-33	A	LDW22-IT808E	A 01	20	20	1613B Dioxin	12/30/2022	DxP	
22L0307-34	A	LDW22-IT808F	A 01	20	20	1613B Dioxin	12/30/2022	DxP	
22L0312-01	A	RM10W-ST01-221208	A 01	20	20	1613B Dioxin	12/30/2022	DxP	
22L0312-01	A	RM10W-ST01-221208	A 01	20	20	8290 Dioxin	12/30/2022	DxP	
22L0312-02	A	RM10W-ST03-221208	A 01	20	20	8290 Dioxin	12/30/2022	DxP	
22L0312-03	A	RM10W-ST04-221207	A 01	20	20	8290 Dioxin	12/30/2022	DxP	
22L0312-04	A	RM10W-ST05-221207	A 01	20	20	8290 Dioxin	12/30/2022	DxP	
22L0312-05	A	RM10W-ST06-221207	A 01	20	20	8290 Dioxin	12/30/2022	DxP	
22L0312-06	A	RM10W-ST07-221207	A 01	20	20	8290 Dioxin	12/30/2022	DxP	
22L0312-07	A	RM10W-ST08-221207	A 01	20	20	8290 Dioxin	12/30/2022	DxP	
22L0312-08	A	RM10W-FD18	A 01	20	20	8290 Dioxin	12/30/2022	DxP	
BKL0420-BLK1	-	Blank	-	20	20	-	12/30/2022	DxP	
BKL0420-BS1	-	LCS	-	20	20	-	12/30/2022	DxP	
BKL0420-DUP1	-	Duplicate	-	20	20	-	12/30/2022	DxP	
BKL0420-DUP2	-	Duplicate	-	20	20	-	12/30/2022	DxP	
BKL0420-SRM1	-	Reference	-	20	20	-	12/30/2022	DxP	

CLEANUP BATCH SUMMARY

Laboratory:	Analytical Resources, LLC	SDG:	22L0307
Client:	Anchor QEA, LLC	Project:	AOC4 UR Phase 3
Cleanup Batch:	CLA0009	Cleanup Type:	Florisil
Cleanup Method:	EPA 3620B Florisil Cleanup (uL)	Analysis:	EPA 1613B

SAMPLE NAME	LAB SAMPLE ID	LAB FILE ID	DATE PREPARED	OBSERVATIONS
LDW22-IT808B	22L0307-30	23020728	12/30/2022	
Blank	BKL0420-BLK1	23020723	12/30/2022	
Duplicate	BKL0420-DUP1	23020726	12/30/2022	
LCS	BKL0420-BS1	23020724	12/30/2022	
Reference	BKL0420-SRM1	23020725	12/30/2022	
LDW22-IT808E	22L0307-33	23020731	12/30/2022	
LDW22-IT808C	22L0307-31	23020729	12/30/2022	
LDW22-IT808A	22L0307-29	23020727	12/30/2022	
LDW22-IT808F	22L0307-34	23020732	12/30/2022	
LDW22-IT808D	22L0307-32	23020730	12/30/2022	

Analytical Resources, LLC
Analytical Chemists and Consultants

CLEANUP BENCH SHEET

CLA0009

Matrix: Solid **Cleanup using: HRGCMS - EPA 3620B Florisil Cleanup (uL)** **Check Standard: CKK0015-FLO1** **Printed: 1/3/2023 10:36:48AM**

Lab Number	Sample Container	Sample Name	Extract Container	Initial (uL)	Final (uL)	Analysis	Clean Up Date	Cleaned By	Cleanup Comments
22L0307-29	A	LDW22-IT808A	A 01	20	20	8290 Dioxin	12/30/2022	DxP	
22L0307-29	A	LDW22-IT808A	A 01	20	20	1613B Dioxin	12/30/2022	DxP	
22L0307-30	A	LDW22-IT808B	A 01	20	20	1613B Dioxin	12/30/2022	DxP	
22L0307-31	A	LDW22-IT808C	A 01	20	20	1613B Dioxin	12/30/2022	DxP	
22L0307-32	A	LDW22-IT808D	A 01	20	20	1613B Dioxin	12/30/2022	DxP	
22L0307-33	A	LDW22-IT808E	A 01	20	20	1613B Dioxin	12/30/2022	DxP	
22L0307-34	A	LDW22-IT808F	A 01	20	20	1613B Dioxin	12/30/2022	DxP	
22L0312-01	A	RM10W-ST01-221208	A 01	20	20	1613B Dioxin	12/30/2022	DxP	
22L0312-01	A	RM10W-ST01-221208	A 01	20	20	8290 Dioxin	12/30/2022	DxP	
22L0312-02	A	RM10W-ST03-221208	A 01	20	20	8290 Dioxin	12/30/2022	DxP	
22L0312-03	A	RM10W-ST04-221207	A 01	20	20	8290 Dioxin	12/30/2022	DxP	
22L0312-04	A	RM10W-ST05-221207	A 01	20	20	8290 Dioxin	12/30/2022	DxP	
22L0312-05	A	RM10W-ST06-221207	A 01	20	20	8290 Dioxin	12/30/2022	DxP	
22L0312-06	A	RM10W-ST07-221207	A 01	20	20	8290 Dioxin	12/30/2022	DxP	
22L0312-07	A	RM10W-ST08-221207	A 01	20	20	8290 Dioxin	12/30/2022	DxP	
22L0312-08	A	RM10W-FD18	A 01	20	20	8290 Dioxin	12/30/2022	DxP	
BKL0420-BLK1	-	Blank	-	20	20	-	12/30/2022	DxP	
BKL0420-BS1	-	LCS	-	20	20	-	12/30/2022	DxP	
BKL0420-DUP1	-	Duplicate	-	20	20	-	12/30/2022	DxP	
BKL0420-DUP2	-	Duplicate	-	20	20	-	12/30/2022	DxP	
BKL0420-SRM1	-	Reference	-	20	20	-	12/30/2022	DxP	

Blank

Form 1
METHOD BLANK DATA SHEET
EPA 1613B
Dioxins/Furans by HRGC/HRMS

Laboratory:	Analytical Resources, LLC			SDG:	22L0307
Client:	Anchor QEA, LLC			Project:	AOC4 UR Phase 3
Matrix:	Solid	Laboratory ID:	BKL0420-BLK1	File ID:	23020723
Sampled:	N/A	Prepared:	12/27/22 14:20	Analyzed:	02/08/23 03:21
Solids Wt%:		Preparation:	EPA 8290	Initial/Final:	10.02 g / 20 uL
Result Basis:	Dry	Sequence:	SLB0072	Calibration:	GB00010
Batch:	BKL0420	Instrument:	AUTOSPEC01	Column:	RTX-Dioxin2

CAS NO.	COMPOUND	DF/Split	Ion Ratio	Ratio Limits	EDL	RL	Result	Units	Q
51207-31-9	2,3,7,8-TCDF	1	0.000	0.655-0.886	0.092	0.998	ND	ng/kg	U
1746-01-6	2,3,7,8-TCDD	1	0.000	0.655-0.886	0.084	0.998	ND	ng/kg	U
57117-41-6	1,2,3,7,8-PeCDF	1	0.000	1.318-1.783	0.120	0.998	ND	ng/kg	U
57117-31-4	2,3,4,7,8-PeCDF	1	0.000	1.318-1.783	0.119	0.998	ND	ng/kg	U
40321-76-4	1,2,3,7,8-PeCDD	1	0.000	1.318-1.783	0.123	0.998	ND	ng/kg	U
70648-26-9	1,2,3,4,7,8-HxCDF	1	0.000	1.054-1.426	0.069	0.998	ND	ng/kg	U
57117-44-9	1,2,3,6,7,8-HxCDF	1	1.095	1.054-1.426	0.062	0.998	0.0605	ng/kg	J
60851-34-5	2,3,4,6,7,8-HxCDF	1	0.000	1.054-1.426	0.067	0.998	ND	ng/kg	U
72918-21-9	1,2,3,7,8,9-HxCDF	1	0.000	1.054-1.426	0.080	0.998	ND	ng/kg	U
39227-28-6	1,2,3,4,7,8-HxCDD	1	0.000	1.054-1.426	0.108	0.998	ND	ng/kg	U
57653-85-7	1,2,3,6,7,8-HxCDD	1	0.000	1.054-1.426	0.107	0.998	ND	ng/kg	U
19408-74-3	1,2,3,7,8,9-HxCDD	1	0.000	1.054-1.426	0.110	0.998	ND	ng/kg	U
67562-39-4	1,2,3,4,6,7,8-HpCDF	1	0.000	0.893-1.208	0.096	0.998	ND	ng/kg	U
55673-89-7	1,2,3,4,7,8,9-HpCDF	1	0.000	0.893-1.208	0.134	0.998	ND	ng/kg	U
35822-46-9	1,2,3,4,6,7,8-HpCDD	1	1.564	0.893-1.208	0.105	2.50	0.156	ng/kg	EMPC, J
39001-02-0	OCDF	1	0.930	0.757-1.024	0.176	2.50	0.338	ng/kg	J
3268-87-9	OCDD	1	0.856	0.757-1.024	0.192	9.98	1.20	ng/kg	J

Homologue Groups

55722-27-5	Total TCDF	1	0.000			0.998	ND	ng/kg
41903-57-5	Total TCDD	1	0.000			0.998	ND	ng/kg
30402-15-4	Total PeCDF	1	0.000			0.998	ND	ng/kg
36088-22-9	Total PeCDD	1	0.000			0.998	ND	ng/kg
55684-94-1	Total HxCDF	1	0.000			0.998	0.0605	ng/kg
34465-46-8	Total HxCDD	1	0.000			0.998	ND	ng/kg
38998-75-3	Total HpCDF	1	0.000			0.998	ND	ng/kg
37871-00-4	Total HpCDD	1	0.000			0.998	ND	ng/kg

Total 2,3,7,8-TCDD Equivalence (WHO2005, ND=0, Including EMPC):	0.008
Total 2,3,7,8-TCDD Equivalence (WHO2005, ND=1/2 EDL, Including EMPC):	0.164

Analytical Resources, Incorporated
Analytical Chemists and Consultants

Blank

Form 2

METHOD BLANK DATA SHEET

EPA 1613B

Dioxins/Furans by HRGC/HRMS

Laboratory:	Analytical Resources, LLC			SDG:	22L0307
Client:	Anchor QEA, LLC			Project:	AOC4 UR Phase 3
Matrix:	Solid	Laboratory ID:	BKL0420-BLK1	File ID:	23020723
Sampled:	N/A	Prepared:	12/27/22 14:20	Analyzed:	02/08/23 03:21
Solids Wt%:	0.00	Preparation:	EPA 8290	Initial/Final:	10.02 g / 20 uL
Result Basis:	Dry	Sequence:	SLB0072	Calibration:	GB00010
Batch:	BKL0420	Instrument:	AUTOSPEC01	Column:	RTX-Dioxin2

Labels	DF/Split	Ion Ratio	Ratio Limits	EDL	% REC	QC LIMITS	Q
13C12-2,3,7,8-TCDF	1	0.773	0.655-0.886	0.13	97.6	24 - 169 %	
13C12-2,3,7,8-TCDD	1	0.776	0.655-0.886	0.21	113	25 - 164 %	
13C12-1,2,3,7,8-PeCDF	1	1.480	1.318-1.783	0.22	101	24 - 185 %	
13C12-2,3,4,7,8-PeCDF	1	1.528	1.318-1.783	0.23	97.3	21 - 178 %	
13C12-1,2,3,7,8-PeCDD	1	1.592	1.318-1.783	0.15	108	25 - 181 %	
13C12-1,2,3,4,7,8-HxCDF	1	0.515	0.434-0.587	0.29	104	26 - 152 %	
13C12-1,2,3,6,7,8-HxCDF	1	0.511	0.434-0.587	0.28	106	26 - 123 %	
13C12-2,3,4,6,7,8-HxCDF	1	0.513	0.434-0.587	0.30	101	28 - 136 %	
13C12-1,2,3,7,8,9-HxCDF	1	0.509	0.434-0.587	0.32	96.4	29 - 147 %	
13C12-1,2,3,4,7,8-HxCDD	1	1.299	1.054-1.426	0.22	113	32 - 141 %	
13C12-1,2,3,6,7,8-HxCDD	1	1.252	1.054-1.426	0.21	115	28 - 130 %	
13C12-1,2,3,4,6,7,8-HpCDF	1	0.460	0.374-0.506	0.25	89.3	28 - 143 %	
13C12-1,2,3,4,7,8,9-HpCDF	1	0.445	0.374-0.506	0.29	90.3	26 - 138 %	
13C12-1,2,3,4,6,7,8-HpCDD	1	1.108	0.893-1.208	0.22	98.9	23 - 140 %	
13C12-OCDD	1	0.899	0.757-1.024	0.26	87.3	17 - 157 %	
37Cl4-2,3,7,8-TCDD	1	328.000		0.07	98.4	35 - 197 %	

* Values outside of QC limits

Quantify Sample Summary Report MassLynx MassLynx V4.1 SCN909

Dataset: T:\Autospec\Processed Data Batch\230207D2.qld
Last Altered: Wednesday, February 08, 2023 13:13:24 Pacific Standard Time
Printed: Wednesday, February 08, 2023 13:15:41 Pacific Standard Time

Method: T:\Autospec\Methods\Dioxin230206.mdb 07 Feb 2023 09:29:10
Calibration: T:\Autospec\Curves\230201ICIH.cdb 03 Feb 2023 10:33:40

ID: BKL0420-BLK1, Name: 23020723, Date: 08-Feb-2023, Time: 03:21:03, Conditions: AUTOSPEC01, User: pk

Compound	RT	RRT	Ion1Area	Ion2Area	RRF	Ratio	Pred R	Noise 1	Noise 2	Height 1	Height 2	S/N 1	S/N 2	EMPC	Int.1	Int.2	pg
2378-TCDF					0.876		0.770	683	766								
12378-PeCDF					0.845		1.550	737	910								
23478-PeCDF					0.911		1.550	737	910								
123478-HxCDF					1.182		1.240	576	497								
234678-HxCDF					1.229		1.240	576	497								
123678-HxCDF	35.140	1.001	1.040e2	9.494e1	1.248	1.095	1.240	576	497	1.93e3	2.36e3	3.4	4.7	NO	bb	bb	0.030
123789-HxCDF					1.187		1.240	576	497								
1234678-HpCDF					1.204		1.050	644	700								
1234789-HpCDF					1.165		1.050	644	700								
OCDF	45.367	1.005	3.059e2	3.290e2	1.186	0.930	0.890	686	622	5.05e3	5.38e3	7.4	8.7	NO	bb	bb	0.169
2378-TCDD					1.236		0.770	777	616								
12378-PeCDD					1.087		1.550	788	612								
123478-HxCDD					0.987		1.240	719	741								
123678-HxCDD					1.021		1.240	719	741								
123789-HxCDD					0.985		1.240	719	741								
1234678-HpCDD	40.388	1.001	2.114e2	1.352e2	1.253	1.564	1.050	609	545	2.84e3	3.10e3	4.7	5.7	YES	bb	bb	0.078
OCDD	45.138	1.000	9.676e2	1.130e3	1.103	0.856	0.890	736	589	1.17e4	1.24e4	15.9	21.1	NO	bb	MM	0.602
13C-2378-TCDF	25.867	1.007	3.176e5	4.110e5	1.768	0.773	0.770	1546	929	4.70e6	6.17e6	3041.9	6637.6	NO	bb	bb	97.586
13C-12378-PeCDF	30.027	1.169	3.885e5	2.626e5	1.527	1.480	1.550	1480	2233	5.80e6	3.85e6	3915.1	1722.7	NO	bb	bd	100.963
13C-23478-PeCDF	31.364	1.221	3.641e5	2.384e5	1.466	1.528	1.550	1480	2233	5.51e6	3.62e6	3724.4	1620.9	NO	bb	bb	97.308
13C-123478-HxCDF	34.973	0.956	1.713e5	3.328e5	1.054	0.515	0.510	1187	2541	2.69e6	5.31e6	2261.8	2088.7	NO	bd	bd	104.199
13C-123678-HxCDF	35.118	0.960	1.778e5	3.482e5	1.080	0.511	0.510	1187	2541	2.81e6	5.43e6	2366.0	2135.9	NO	db	db	106.058
13C-234678-HxCDF	35.976	0.983	1.602e5	3.121e5	1.014	0.513	0.510	1187	2541	2.64e6	5.20e6	2221.7	2047.7	NO	bb	bb	101.396
13C-123789-HxCDF	37.001	1.011	1.385e5	2.722e5	0.928	0.509	0.510	1187	2541	2.29e6	4.54e6	1928.0	1787.7	NO	bb	bb	96.392
13C-1234678-HpCDF	38.850	1.062	1.338e5	2.908e5	1.036	0.460	0.440	1160	2106	2.19e6	4.88e6	1885.3	2314.8	NO	bd	bb	89.254
13C-1234789-HpCDF	41.089	1.123	1.155e5	2.597e5	0.905	0.445	0.440	1160	2106	1.58e6	3.61e6	1365.5	1713.5	NO	bd	bd	90.307
13C-1234-TCDD	25.685	0.000	1.843e5	2.380e5	1.000	0.775	0.770	1542	1024	2.89e6	3.68e6	1872.4	3597.9	NO	bb	bb	100.000
13C-2378-TCDD	26.502	1.032	2.293e5	2.954e5	1.103	0.776	0.770	1542	1024	3.49e6	4.45e6	2264.0	4342.9	NO	bb	bb	112.639
13C-12378-PeCDD	31.608	1.231	2.557e5	1.606e5	0.914	1.592	1.550	769	741	3.87e6	2.45e6	5033.7	3304.3	NO	bb	bd	107.825
13C-123478-HxCDD	36.087	0.986	2.728e5	2.100e5	0.933	1.299	1.240	1349	1151	4.61e6	3.53e6	3419.1	3066.7	NO	bd	bd	112.711
13C-123678-HxCDD	36.199	0.989	2.825e5	2.257e5	0.965	1.252	1.240	1349	1151	4.46e6	3.57e6	3303.5	3105.4	NO	db	db	114.748
13C-1234678-HpCDD	40.343	1.103	1.867e5	1.685e5	0.782	1.108	1.050	803	1298	2.76e6	2.57e6	3434.9	1978.1	NO	bd	bb	98.902
13C-OCDD	45.120	1.233	2.991e5	3.326e5	0.788	0.899	0.890	1292	1254	3.55e6	3.94e6	2748.1	3140.3	NO	bb	bb	174.523
13C-123789-HxCDD	36.589	0.000	2.581e5	2.010e5	1.000	1.284	1.240	1349	1151	4.18e6	3.32e6	3097.2	2885.8	NO	bb	bb	100.000
37CL-2378-TCDD	26.517	1.032	2.050e5		1.233			997		3.16e6		3169.6			bb		39.357

ID: BKL0420-BLK1, Name: 23020723, Date: 08-Feb-2023, Time: 03:21:03, Conditions: AUTOSPEC01, User: pk

Compound	RT	RRT	Ion1Area	Ion2Area	RRF	Ratio	Pred R	Noise 1	Noise 2	Height 1	Height 2	S/N 1	S/N 2	EMPC	Int.1	Int.2	pg
1368-TCDF					1.064		0.770	683	766								
1289-TCDF					0.858		0.770	683	766								
13468-PECDF					1.013		1.550	689	937								
12389-PECDF					0.844		1.550	737	910								
123468-HXCDF					1.197		1.240	576	497								
1368-TCDD					1.084		0.770	777	616								
1289-TCDD					0.975		0.770	777	616								
12479-PECDD					1.837		1.550	788	612								
12389-PECDD					1.252		1.550	788	612								
124679-HXCDD					1.033		1.240	719	741								
1234679-HPCDD					1.286		1.050	609	545								
Total-tetrafurans			0.000e0		0.933			683		0.00e0							
Total-penta1			0.000e0					689		0.00e0							
Total-pentafurans			0.000e0		0.866			737		0.00e0							
Total-hexafurans			1.040e2		1.208			576		1.93e3							0.030
Total-heptafurans			0.000e0		1.185			644		0.00e0							
Total-Furans			4.099e2		1.067			683		6.99e3							0.200
Total-tetradioxins			0.000e0		1.099			777		0.00e0							
Total-pentadioxins			0.000e0		1.392			788		0.00e0							
Total-hexadioxins			0.000e0		1.007			719		0.00e0							
Total-heptadioxins			0.000e0		1.269			609		0.00e0							
Total-Dioxins			9.676e2		1.165			777		1.17e4							0.602
Total-TEQ			1.377e3					777		1.87e4							0.802
FUNCTION1 PFK			1.236e6					513706		2.50e7							
FUNCTION2 PFK			4.335e5					221908		1.05e7							0.000
FUNCTION3 PFK			4.834e5					229201		1.33e7							0.000
FUNCTION4 PFK			1.800e5					157754		5.21e6							
FUNCTION5 PFK			7.029e3					92978		3.40e5							
FUNCTION1 HXCD...			4.043e2					516		6.14e3							0.000
FUNCTION1 HPCD...			9.045e1					483		1.32e3							0.000
FUNCTION2 HPCD...			8.550e1					639		1.00e3							0.000
FUNCTION3 OCDPE			7.715e1					486		1.42e3							0.000
FUNCTION4 NCDPE			2.387e2					705		4.03e3							0.000
FUNCTION5 DCDPE			0.000e0					486		0.00e0							

Method: T:\Autospec\Methods\Dioxin230206.mdb 07 Feb 2023 09:29:10
Calibration: T:\Autospec\Curves\230201ICIH.cdb 03 Feb 2023 10:33:40

ID: BKL0420-BLK1, Name: 23020723, Date: 08-Feb-2023, Time: 03:21:03, Conditions: AUTOSPEC01, User: pk

TF

	Compound	RT	Ion1Area	Ion2Area	RRF	Ratio	Pred R	S/N 1	SNFlag	EMPC	Int.1	Int.2	pg
1													

PP

	Compound	RT	Ion1Area	Ion2Area	RRF	Ratio	Pred R	S/N 1	SNFlag	EMPC	Int.1	Int.2	pg
1													

PF

	Compound	RT	Ion1Area	Ion2Area	RRF	Ratio	Pred R	S/N 1	SNFlag	EMPC	Int.1	Int.2	pg
1													

HF

	Compound	RT	Ion1Area	Ion2Area	RRF	Ratio	Pred R	S/N 1	SNFlag	EMPC	Int.1	Int.2	pg
1	123678-HxCDF	35.14	1.040e2	9.494e1	1.248	1.09	1.24	3.4	YES	NO	bb	bb	0.030

HPF

	Compound	RT	Ion1Area	Ion2Area	RRF	Ratio	Pred R	S/N 1	SNFlag	EMPC	Int.1	Int.2	pg
1													

Furans,TF,PP,PF,HF,HPF,OF

	Compound	RT	Ion1Area	Ion2Area	RRF	Ratio	Pred R	S/N 1	SNFlag	EMPC	Int.1	Int.2	pg
1	123678-HxCDF	35.14	1.040e2	9.494e1	1.248	1.09	1.24	3.4	YES	NO	bb	bb	0.030
2	OCDF	45.37	3.059e2	3.290e2	1.186	0.93	0.89	7.4	YES	NO	bb	bb	0.169

TD

	Compound	RT	Ion1Area	Ion2Area	RRF	Ratio	Pred R	S/N 1	SNFlag	EMPC	Int.1	Int.2	pg
1													

ID: BKL0420-BLK1, Name: 23020723, Date: 08-Feb-2023, Time: 03:21:03, Conditions: AUTOSPEC01, User: pk

PD

	Compound	RT	Ion1Area	Ion2Area	RRF	Ratio	Pred R	S/N 1	SNFlag	EMPC	Int.1	Int.2	pg
1													

HD

	Compound	RT	Ion1Area	Ion2Area	RRF	Ratio	Pred R	S/N 1	SNFlag	EMPC	Int.1	Int.2	pg
1													

HPD

	Compound	RT	Ion1Area	Ion2Area	RRF	Ratio	Pred R	S/N 1	SNFlag	EMPC	Int.1	Int.2	pg
1													

Dioxins,TD,PD,HD,HPD,OD

	Compound	RT	Ion1Area	Ion2Area	RRF	Ratio	Pred R	S/N 1	SNFlag	EMPC	Int.1	Int.2	pg
1	OCDD	45.14	9.676e2	1.130e3	1.103	0.86	0.89	15.9	YES	NO	bb	MM	0.602

TotalTEQ,Furans,Dioxins

	Compound	RT	Ion1Area	Ion2Area	RRF	Ratio	Pred R	S/N 1	SNFlag	EMPC	Int.1	Int.2	pg
1	123678-HxCDF	35.14	1.040e2	9.494e1	1.248	1.09	1.24	3.4	YES	NO	bb	bb	0.030
2	OCDF	45.37	3.059e2	3.290e2	1.186	0.93	0.89	7.4	YES	NO	bb	bb	0.169
3	OCDD	45.14	9.676e2	1.130e3	1.103	0.86	0.89	15.9	YES	NO	bb	MM	0.602

ID: BKL0420-BLK1, Name: 23020723, Date: 08-Feb-2023, Time: 03:21:03, Conditions: AUTOSPEC01, User: pk

PFK1

	Compound	RT	Ion1Area	Ion2Area	RRF	Ratio	Pred R	S/N 1	SNFlag	EMPC	Int.1	Int.2	pg
1	FUNCTION1 PFK	21.86	2.009e4					1.1	NO		bd		
2	FUNCTION1 PFK	21.78	1.682e4					1.2	NO		bb		
3	FUNCTION1 PFK	21.72	1.301e4					0.9	NO		bb		
4	FUNCTION1 PFK	21.47	2.821e4					1.5	NO		db		
5	FUNCTION1 PFK	21.33	1.533e5					3.0	NO		bd		
6	FUNCTION1 PFK	21.22	1.707e4					1.1	NO		bb		
7	FUNCTION1 PFK	21.15	4.174e4					1.8	NO		bb		
8	FUNCTION1 PFK	23.40	2.109e4					1.1	NO		bd		
9	FUNCTION1 PFK	23.19	5.600e3					0.6	NO		bb		
10	FUNCTION1 PFK	23.11	1.117e4					0.8	NO		bb		
11	FUNCTION1 PFK	23.05	1.651e4					1.2	NO		bb		
12	FUNCTION1 PFK	22.99	4.854e3					0.6	NO		bb		
13	FUNCTION1 PFK	22.83	3.019e4					0.9	NO		db		
14	FUNCTION1 PFK	22.77	1.340e4					0.9	NO		bd		
15	FUNCTION1 PFK	22.68	1.377e4					0.9	NO		bb		
16	FUNCTION1 PFK	22.57	7.722e3					0.6	NO		bb		
17	FUNCTION1 PFK	22.51	4.935e3					0.6	NO		bb		
18	FUNCTION1 PFK	22.45	1.191e4					0.8	NO		db		
19	FUNCTION1 PFK	22.36	1.855e4					1.1	NO		bd		
20	FUNCTION1 PFK	22.30	1.578e4					1.2	NO		bb		
21	FUNCTION1 PFK	22.22	5.527e4					1.5	NO		db		
22	FUNCTION1 PFK	22.06	6.144e4					1.6	NO		bd		
23	FUNCTION1 PFK	21.98	8.223e4					1.9	NO		db		
24	FUNCTION1 PFK	26.83	2.037e4					0.9	NO		bb		
25	FUNCTION1 PFK	26.52	5.020e3					0.4	NO		bb		
26	FUNCTION1 PFK	26.02	6.083e3					0.5	NO		bb		
27	FUNCTION1 PFK	25.96	1.357e4					0.7	NO		bb		
28	FUNCTION1 PFK	25.62	6.759e3					0.5	NO		bb		
29	FUNCTION1 PFK	25.37	5.793e3					0.7	NO		bb		
30	FUNCTION1 PFK	25.31	5.476e3					0.7	NO		bb		
31	FUNCTION1 PFK	25.07	6.102e4					1.8	NO		bb		
32	FUNCTION1 PFK	24.99	3.014e4					1.6	NO		bb		
33	FUNCTION1 PFK	24.91	3.159e3					0.4	NO		bb		
34	FUNCTION1 PFK	24.28	8.503e3					0.6	NO		bb		
35	FUNCTION1 PFK	24.02	4.158e4					1.5	NO		bb		
36	FUNCTION1 PFK	23.84	8.857e3					0.6	NO		bb		
37	FUNCTION1 PFK	23.76	3.972e4					1.8	NO		bb		

ID: BKL0420-BLK1, Name: 23020723, Date: 08-Feb-2023, Time: 03:21:03, Conditions: AUTOSPEC01, User: pk

PFK1

	Compound	RT	Ion1Area	Ion2Area	RRF	Ratio	Pred R	S/N 1	SNFlag	EMPC	Int.1	Int.2	pg
38	FUNCTION1 PFK	23.69	3.800e4					1.3	NO		db		
39	FUNCTION1 PFK	23.55	1.076e5					1.8	NO		dd		
40	FUNCTION1 PFK	28.13	3.793e4					1.6	NO		db		
41	FUNCTION1 PFK	28.07	1.925e4					1.0	NO		bd		
42	FUNCTION1 PFK	27.91	6.774e4					1.5	NO		bb		
43	FUNCTION1 PFK	27.76	2.525e4					1.1	NO		bb		
44	FUNCTION1 PFK	27.26	1.999e4					0.6	NO		bb		

ID: BKL0420-BLK1, Name: 23020723, Date: 08-Feb-2023, Time: 03:21:03, Conditions: AUTOSPEC01, User: pk

PFK2

	Compound	RT	Ion1Area	Ion2Area	RRF	Ratio	Pred R	S/N 1	SNFlag	EMPC	Int.1	Int.2	pg
1	FUNCTION2 PFK	28.95	4.269e3					0.9	NO		bd		0.000
2	FUNCTION2 PFK	28.82	1.216e4					1.4	NO		db		0.000
3	FUNCTION2 PFK	28.76	1.595e4					1.9	NO		dd		0.000
4	FUNCTION2 PFK	28.68	2.959e4					2.0	NO		dd		0.000
5	FUNCTION2 PFK	28.62	2.381e4					2.4	NO		dd		0.000
6	FUNCTION2 PFK	28.58	3.549e4					2.8	NO		dd		0.000
7	FUNCTION2 PFK	28.44	7.339e4					3.6	YES		bd		0.000
8	FUNCTION2 PFK	28.37	3.569e3					0.9	NO		db		0.000
9	FUNCTION2 PFK	28.33	2.371e4					2.9	NO		dd		0.000
10	FUNCTION2 PFK	28.29	9.946e3					1.5	NO		bd		0.000
11	FUNCTION2 PFK	31.49	1.792e4					2.0	NO		db		0.000
12	FUNCTION2 PFK	31.44	2.263e3					0.5	NO		bd		0.000
13	FUNCTION2 PFK	31.37	1.120e4					1.4	NO		bb		0.000
14	FUNCTION2 PFK	31.24	6.040e3					0.9	NO		bb		0.000
15	FUNCTION2 PFK	30.88	1.614e4					1.4	NO		bb		0.000
16	FUNCTION2 PFK	30.65	4.614e3					0.6	NO		bb		0.000
17	FUNCTION2 PFK	30.52	1.116e4					1.4	NO		bb		0.000
18	FUNCTION2 PFK	29.99	5.169e3					1.0	NO		bb		0.000
19	FUNCTION2 PFK	29.59	7.122e3					1.1	NO		db		0.000
20	FUNCTION2 PFK	29.54	4.689e3					0.8	NO		bd		0.000
21	FUNCTION2 PFK	29.49	7.113e3					1.1	NO		db		0.000
22	FUNCTION2 PFK	29.46	3.090e3					0.9	NO		bd		0.000
23	FUNCTION2 PFK	29.37	1.839e4					1.4	NO		bb		0.000
24	FUNCTION2 PFK	29.25	4.402e3					0.6	NO		bb		0.000
25	FUNCTION2 PFK	29.08	7.864e2					0.3	NO		bb		0.000
26	FUNCTION2 PFK	28.98	1.031e4					1.2	NO		db		0.000
27	FUNCTION2 PFK	32.86	3.605e3					0.6	NO		db		0.000
28	FUNCTION2 PFK	32.81	5.103e3					0.8	NO		bd		0.000
29	FUNCTION2 PFK	32.69	1.650e4					1.4	NO		db		0.000
30	FUNCTION2 PFK	32.64	8.273e3					1.2	NO		bd		0.000
31	FUNCTION2 PFK	32.52	2.071e3					0.6	NO		bb		0.000
32	FUNCTION2 PFK	32.37	2.974e3					0.6	NO		bb		0.000
33	FUNCTION2 PFK	32.31	5.284e3					0.7	NO		bb		0.000
34	FUNCTION2 PFK	31.99	1.466e4					1.4	NO		bb		0.000
35	FUNCTION2 PFK	31.93	1.976e3					0.6	NO		bb		0.000
36	FUNCTION2 PFK	31.89	1.336e3					0.5	NO		bb		0.000
37	FUNCTION2 PFK	31.84	7.987e3					1.4	NO		bb		0.000

ID: BKL0420-BLK1, Name: 23020723, Date: 08-Feb-2023, Time: 03:21:03, Conditions: AUTOSPEC01, User: pk

PFK2

	Compound	RT	Ion1Area	Ion2Area	RRF	Ratio	Pred R	S/N 1	SNFlag	EMPC	Int.1	Int.2	pg
38	FUNCTION2 PFK	31.60	1.386e3					0.6	NO		bb		0.000

ID: BKL0420-BLK1, Name: 23020723, Date: 08-Feb-2023, Time: 03:21:03, Conditions: AUTOSPEC01, User: pk

PFK3

	Compound	RT	Ion1Area	Ion2Area	RRF	Ratio	Pred R	S/N 1	SNFlag	EMPC	Int.1	Int.2	pg
1	FUNCTION3 PFK	33.24	3.745e3					0.7	NO		bb		0.000
2	FUNCTION3 PFK	33.05	1.527e4					2.1	NO		bb		0.000
3	FUNCTION3 PFK	32.98	1.466e4					2.9	NO		bb		0.000
4	FUNCTION3 PFK	34.55	3.134e3					0.6	NO		bb		0.000
5	FUNCTION3 PFK	34.43	7.162e3					0.9	NO		db		0.000
6	FUNCTION3 PFK	34.39	1.206e4					1.5	NO		dd		0.000
7	FUNCTION3 PFK	34.36	7.119e3					1.3	NO		bd		0.000
8	FUNCTION3 PFK	34.25	2.806e4					1.7	NO		db		0.000
9	FUNCTION3 PFK	34.19	7.826e3					1.0	NO		dd		0.000
10	FUNCTION3 PFK	34.13	2.063e4					1.7	NO		bd		0.000
11	FUNCTION3 PFK	33.89	8.374e3					1.5	NO		db		0.000
12	FUNCTION3 PFK	33.88	7.313e3					1.4	NO		bd		0.000
13	FUNCTION3 PFK	33.76	2.104e4					2.0	NO		bb		0.000
14	FUNCTION3 PFK	33.59	6.326e3					1.1	NO		db		0.000
15	FUNCTION3 PFK	33.56	2.066e4					2.4	NO		bd		0.000
16	FUNCTION3 PFK	33.48	1.648e4					2.4	NO		db		0.000
17	FUNCTION3 PFK	33.42	2.915e4					2.5	NO		dd		0.000
18	FUNCTION3 PFK	33.38	2.464e4					2.7	NO		dd		0.000
19	FUNCTION3 PFK	33.31	3.992e4					2.6	NO		bd		0.000
20	FUNCTION3 PFK	36.34	4.960e3					0.8	NO		bb		0.000
21	FUNCTION3 PFK	36.30	7.400e3					1.0	NO		bb		0.000
22	FUNCTION3 PFK	36.18	7.155e3					1.0	NO		bb		0.000
23	FUNCTION3 PFK	36.12	1.217e3					0.4	NO		bb		0.000
24	FUNCTION3 PFK	36.09	1.093e3					0.4	NO		bb		0.000
25	FUNCTION3 PFK	35.98	1.310e3					0.4	NO		bb		0.000
26	FUNCTION3 PFK	35.55	2.834e3					0.5	NO		bb		0.000
27	FUNCTION3 PFK	35.51	3.412e3					0.8	NO		bb		0.000
28	FUNCTION3 PFK	35.43	3.780e3					0.5	NO		bb		0.000
29	FUNCTION3 PFK	35.34	6.070e3					0.9	NO		bb		0.000
30	FUNCTION3 PFK	35.07	9.345e3					1.2	NO		bb		0.000
31	FUNCTION3 PFK	34.97	1.590e4					1.3	NO		db		0.000
32	FUNCTION3 PFK	34.94	5.533e3					1.0	NO		bd		0.000
33	FUNCTION3 PFK	34.86	2.064e3					0.5	NO		bb		0.000
34	FUNCTION3 PFK	34.81	1.128e3					0.3	NO		bb		0.000
35	FUNCTION3 PFK	34.74	1.393e4					1.2	NO		bb		0.000
36	FUNCTION3 PFK	37.72	2.769e3					0.6	NO		bb		0.000
37	FUNCTION3 PFK	37.59	5.896e3					1.0	NO		db		0.000

ID: BKL0420-BLK1, Name: 23020723, Date: 08-Feb-2023, Time: 03:21:03, Conditions: AUTOSPEC01, User: pk

PFK3

	Compound	RT	Ion1Area	Ion2Area	RRF	Ratio	Pred R	S/N 1	SNFlag	EMPC	Int.1	Int.2	pg
38	FUNCTION3 PFK	37.54	1.537e4					1.2	NO		bd		0.000
39	FUNCTION3 PFK	37.38	8.880e3					0.8	NO		bb		0.000
40	FUNCTION3 PFK	37.33	1.857e3					0.6	NO		db		0.000
41	FUNCTION3 PFK	37.25	1.791e4					1.2	NO		bd		0.000
42	FUNCTION3 PFK	37.18	7.179e3					0.9	NO		db		0.000
43	FUNCTION3 PFK	37.13	6.951e3					1.0	NO		bd		0.000
44	FUNCTION3 PFK	37.08	6.074e3					0.9	NO		db		0.000
45	FUNCTION3 PFK	37.03	9.363e3					1.0	NO		bd		0.000
46	FUNCTION3 PFK	36.96	5.672e3					1.2	NO		db		0.000
47	FUNCTION3 PFK	36.93	6.482e3					1.2	NO		bd		0.000
48	FUNCTION3 PFK	36.64	4.414e3					0.7	NO		bb		0.000
49	FUNCTION3 PFK	36.47	3.920e3					0.7	NO		bb		0.000

ID: BKL0420-BLK1, Name: 23020723, Date: 08-Feb-2023, Time: 03:21:03, Conditions: AUTOSPEC01, User: pk

PFK4

	Compound	RT	Ion1Area	Ion2Area	RRF	Ratio	Pred R	S/N 1	SNFlag	EMPC	Int.1	Int.2	pg
1	FUNCTION4 PFK	38.08	2.039e4					2.5	NO		bd		
2	FUNCTION4 PFK	40.98	6.180e3					1.4	NO		bd		
3	FUNCTION4 PFK	40.92	2.180e3					0.7	NO		bb		
4	FUNCTION4 PFK	40.68	7.875e2					0.4	NO		bb		
5	FUNCTION4 PFK	40.02	4.803e3					1.2	NO		bb		
6	FUNCTION4 PFK	39.71	6.184e3					1.4	NO		bb		
7	FUNCTION4 PFK	39.56	1.023e3					0.6	NO		bb		
8	FUNCTION4 PFK	39.45	9.276e3					1.6	NO		bb		
9	FUNCTION4 PFK	39.37	5.082e3					1.2	NO		db		
10	FUNCTION4 PFK	39.28	1.967e4					2.1	NO		bd		
11	FUNCTION4 PFK	39.23	5.205e3					1.4	NO		bb		
12	FUNCTION4 PFK	38.82	4.311e3					0.8	NO		bb		
13	FUNCTION4 PFK	38.57	9.600e2					0.5	NO		bb		
14	FUNCTION4 PFK	38.53	6.798e2					0.4	NO		bb		
15	FUNCTION4 PFK	38.46	2.675e3					0.8	NO		bb		
16	FUNCTION4 PFK	38.35	7.398e3					1.5	NO		bb		
17	FUNCTION4 PFK	38.12	2.691e4					3.0	NO		db		
18	FUNCTION4 PFK	42.78	5.217e3					1.2	NO		bb		
19	FUNCTION4 PFK	42.58	2.173e3					0.7	NO		bb		
20	FUNCTION4 PFK	42.54	4.713e3					1.3	NO		bb		
21	FUNCTION4 PFK	42.20	4.343e3					1.1	NO		bb		
22	FUNCTION4 PFK	42.06	6.446e3					1.3	NO		bb		
23	FUNCTION4 PFK	41.81	9.576e3					1.7	NO		db		
24	FUNCTION4 PFK	41.76	8.432e3					1.3	NO		bd		
25	FUNCTION4 PFK	41.67	1.018e4					1.2	NO		bb		
26	FUNCTION4 PFK	41.50	3.112e3					0.7	NO		bb		
27	FUNCTION4 PFK	41.01	2.100e3					0.8	NO		db		

PFK5

	Compound	RT	Ion1Area	Ion2Area	RRF	Ratio	Pred R	S/N 1	SNFlag	EMPC	Int.1	Int.2	pg
1	FUNCTION5 PFK	46.26	5.812e2					0.7	NO		bb		
2	FUNCTION5 PFK	45.72	3.243e3					1.1	NO		bb		
3	FUNCTION5 PFK	43.16	3.205e3					1.9	NO		bb		

ID: BKL0420-BLK1, Name: 23020723, Date: 08-Feb-2023, Time: 03:21:03, Conditions: AUTOSPEC01, User: pk

ETHERS1

	Compound	RT	Ion1Area	Ion2Area	RRF	Ratio	Pred R	S/N 1	SNFlag	EMPC	Int.1	Int.2	pg
1	FUNCTION1 HXCD...	23.11	9.884e1					3.3	YES		bb		0.000
2	FUNCTION1 HXCD...	25.46	7.129e1					1.3	NO		bb		0.000
3	FUNCTION1 HXCD...	25.04	7.139e1					2.0	NO		db		0.000
4	FUNCTION1 HXCD...	24.91	7.212e1					2.8	NO		bd		0.000
5	FUNCTION1 HXCD...	23.83	9.066e1					2.5	NO		bb		0.000

ETHERS2

	Compound	RT	Ion1Area	Ion2Area	RRF	Ratio	Pred R	S/N 1	SNFlag	EMPC	Int.1	Int.2	pg
1	FUNCTION1 HPCD...	25.76	9.045e1					2.7	NO		bb		0.000

ETHERS3

	Compound	RT	Ion1Area	Ion2Area	RRF	Ratio	Pred R	S/N 1	SNFlag	EMPC	Int.1	Int.2	pg
1	FUNCTION2 HPCD...	31.14	8.550e1					1.6	NO		bb		0.000

ETHERS4

	Compound	RT	Ion1Area	Ion2Area	RRF	Ratio	Pred R	S/N 1	SNFlag	EMPC	Int.1	Int.2	pg
1	FUNCTION3 OCDPE	35.22	7.715e1					2.9	NO		bb		0.000

ETHERS5

	Compound	RT	Ion1Area	Ion2Area	RRF	Ratio	Pred R	S/N 1	SNFlag	EMPC	Int.1	Int.2	pg
1	FUNCTION4 NCDPE	42.68	7.261e1					2.3	NO		bb		0.000
2	FUNCTION4 NCDPE	40.98	9.425e1					1.5	NO		bb		0.000
3	FUNCTION4 NCDPE	40.58	7.187e1					1.9	NO		bb		0.000

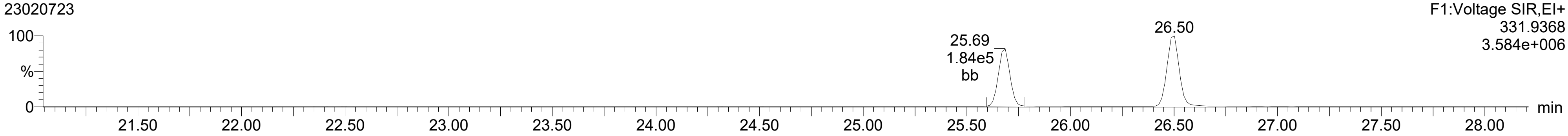
ETHERS6

	Compound	RT	Ion1Area	Ion2Area	RRF	Ratio	Pred R	S/N 1	SNFlag	EMPC	Int.1	Int.2	pg
1													

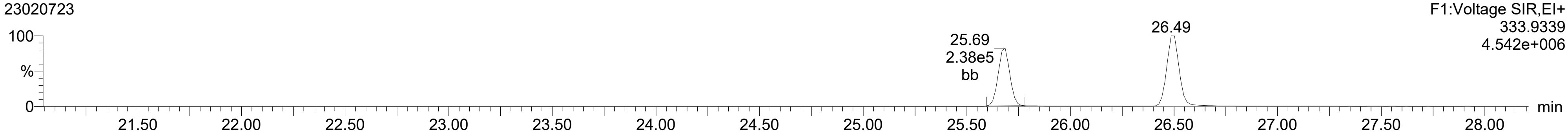
Method: T:\Autospec\Methods\Dioxin230206.mdb 07 Feb 2023 09:29:10
Calibration: T:\Autospec\Curves\230201ICIH.cdb 03 Feb 2023 10:33:40

ID: BKL0420-BLK1, Name: 23020723, Date: 08-Feb-2023, Time: 03:21:03, Conditions: AUTOSPEC01, User: pk

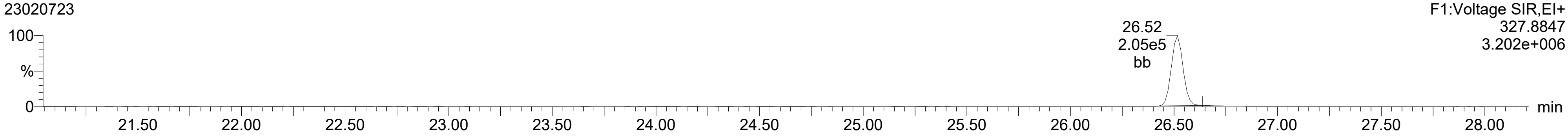
13C-1234-TCDD



13C-1234-TCDD

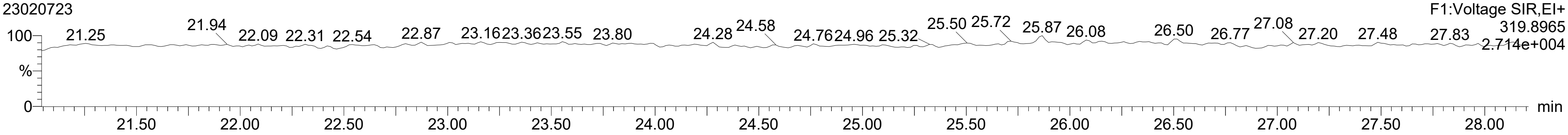


37CL-2378-TCDD



ID: BKL0420-BLK1, Name: 23020723, Date: 08-Feb-2023, Time: 03:21:03, Conditions: AUTOSPEC01, User: pk

2378-TCDD



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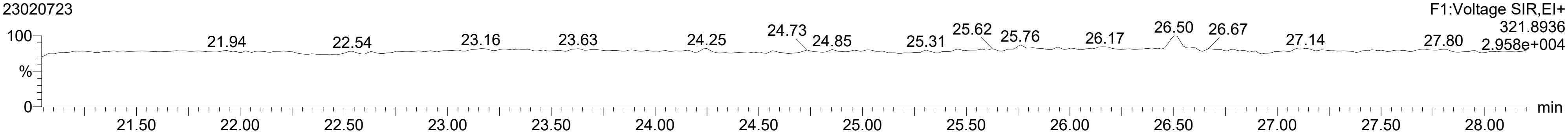

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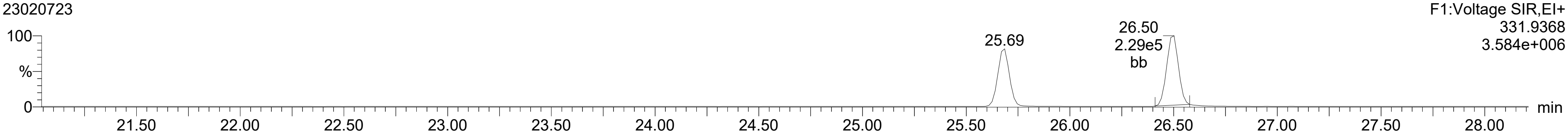

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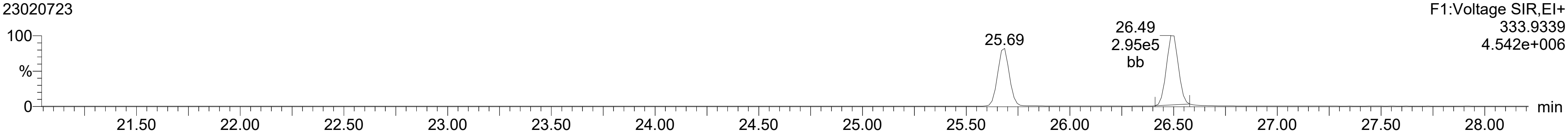

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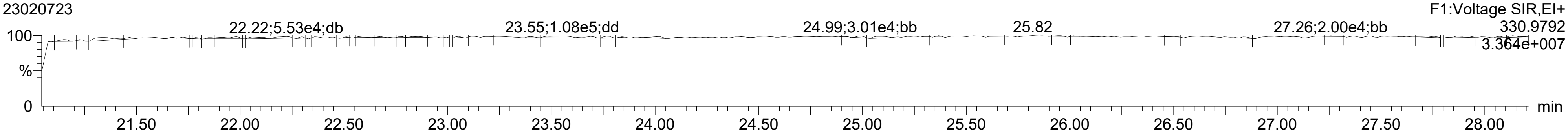

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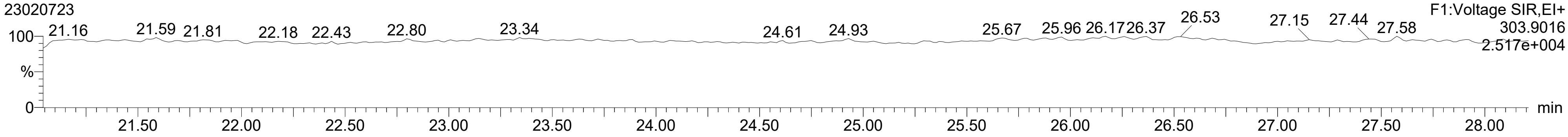
2378-TCDF



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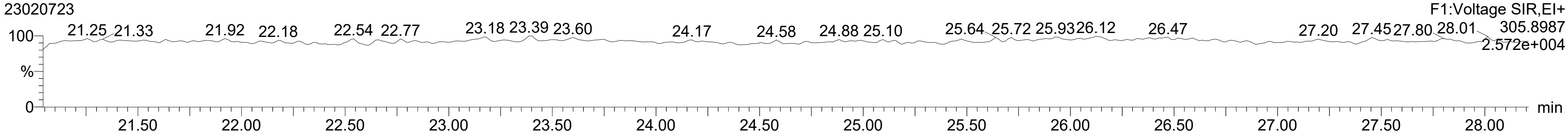

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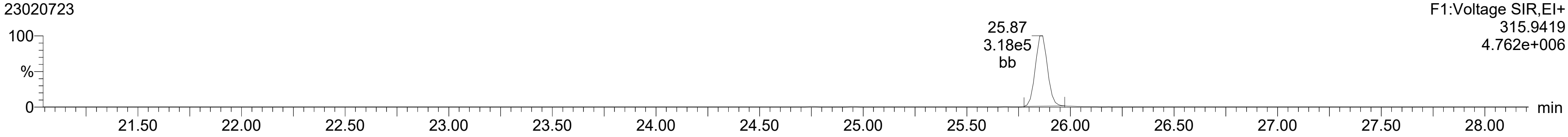

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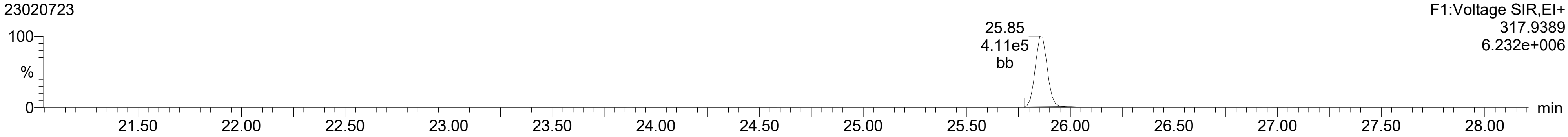

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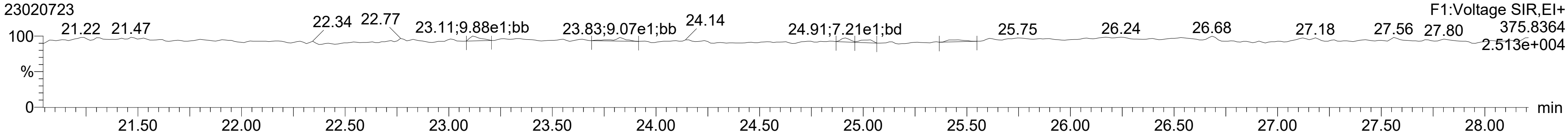

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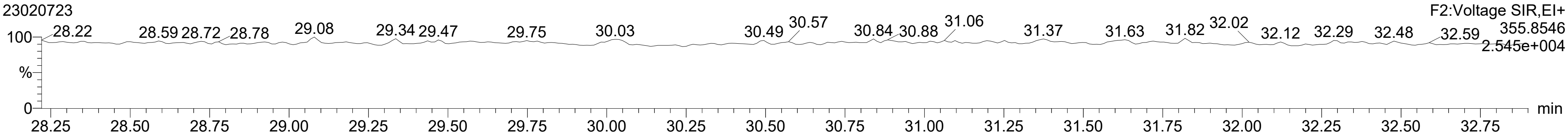

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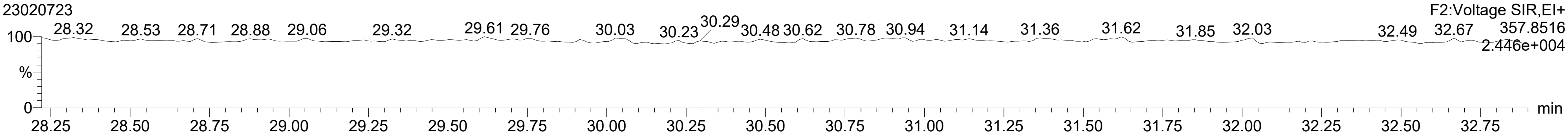

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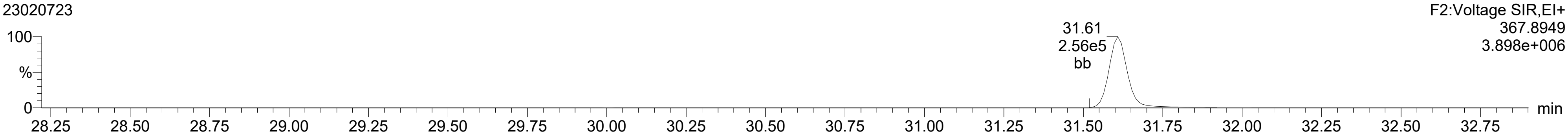

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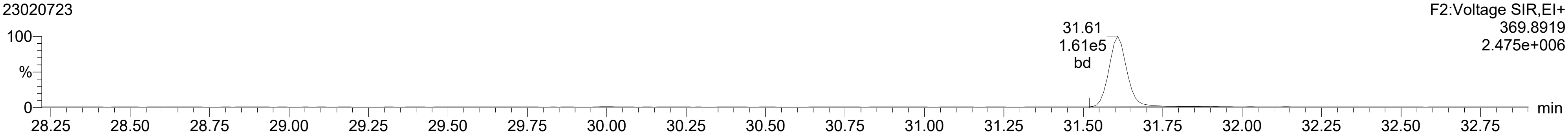

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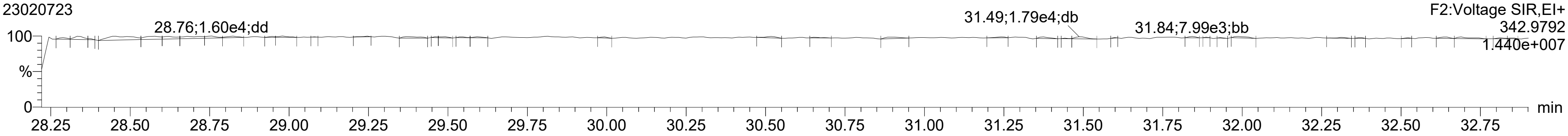

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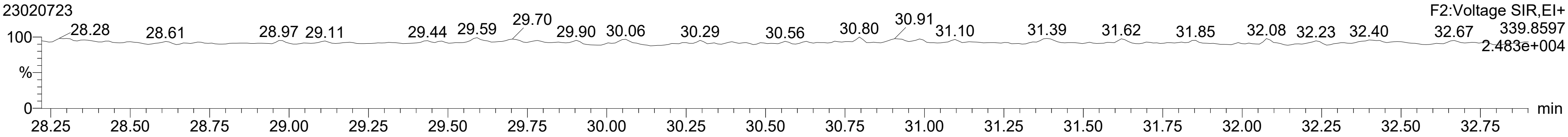

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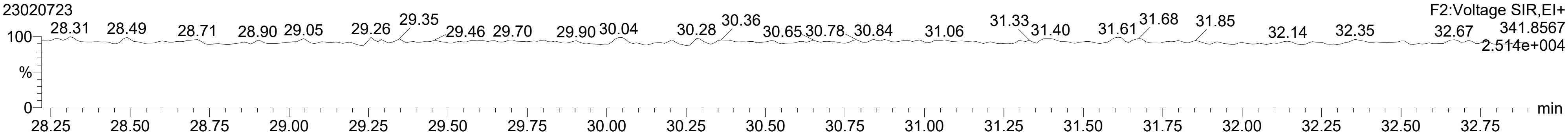

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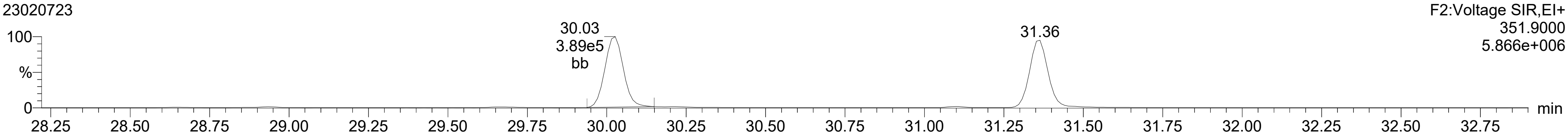

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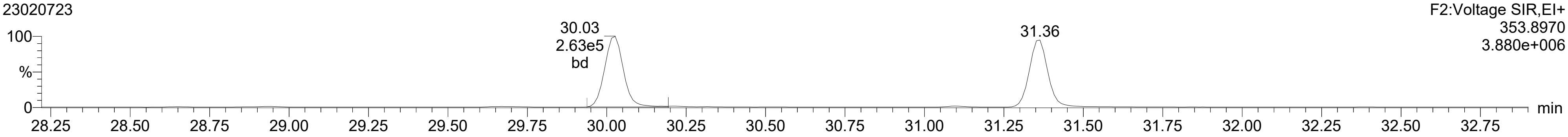

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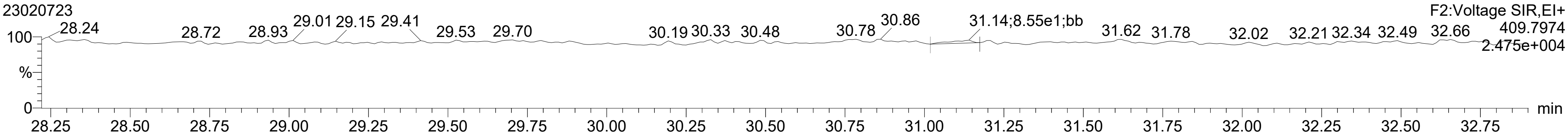

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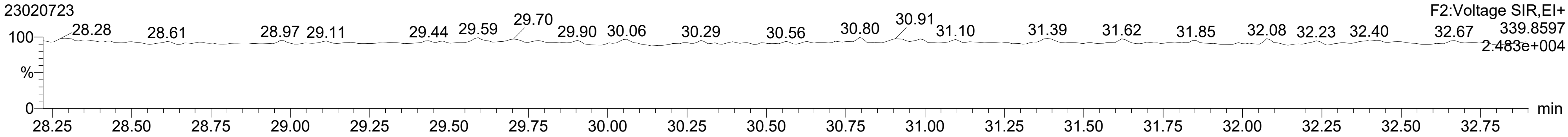

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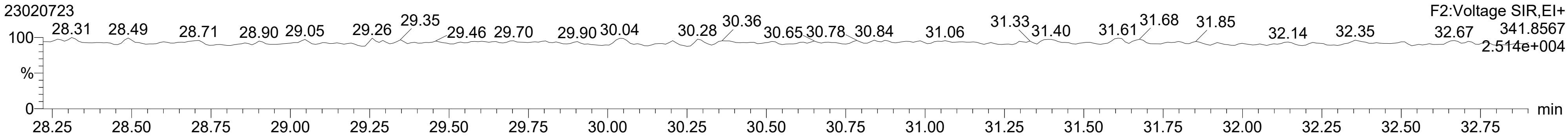

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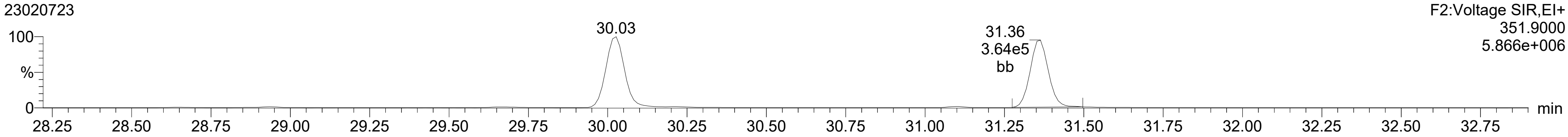

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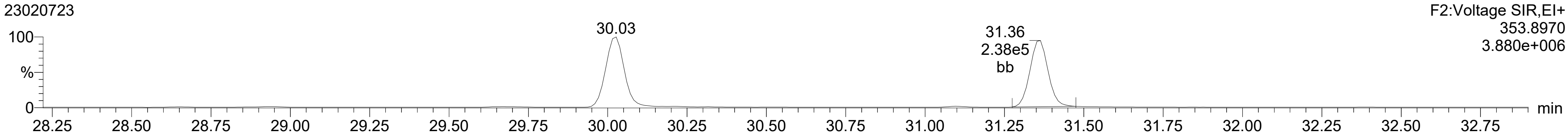

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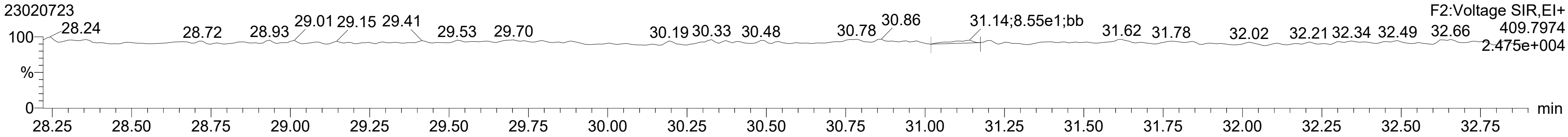

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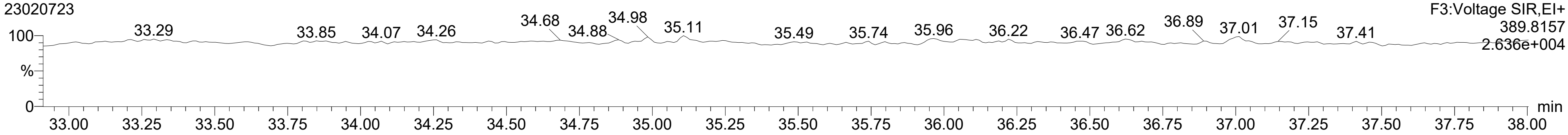

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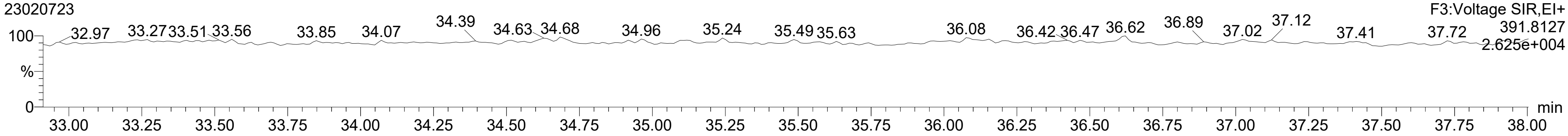

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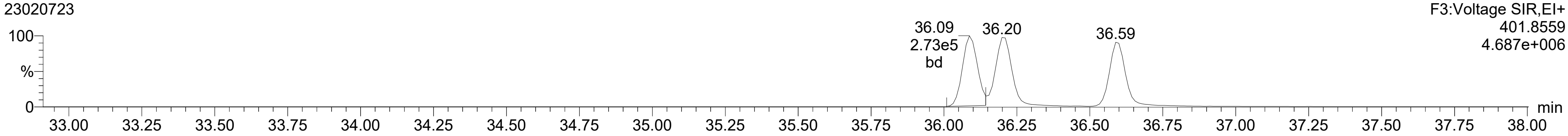

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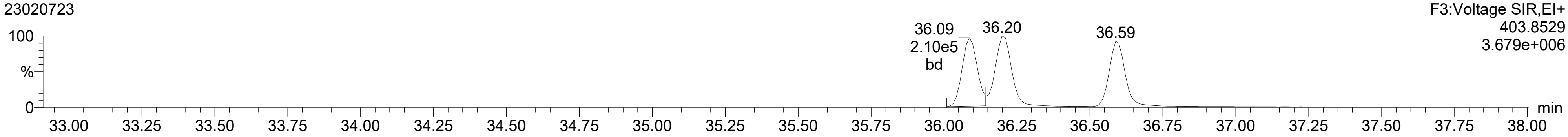

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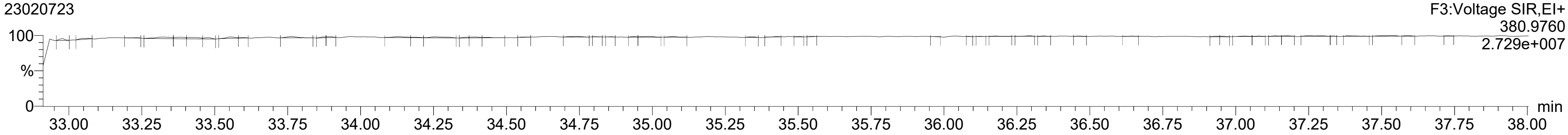

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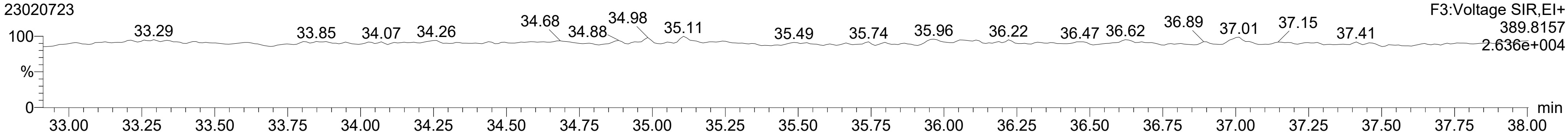

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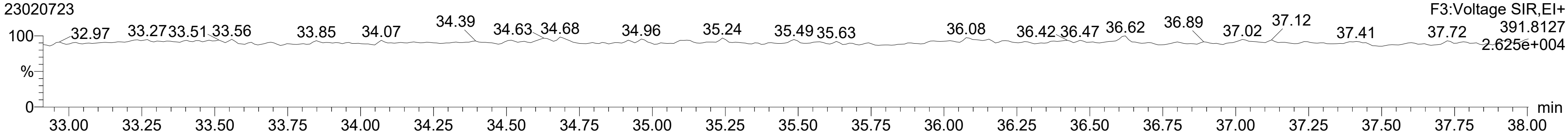

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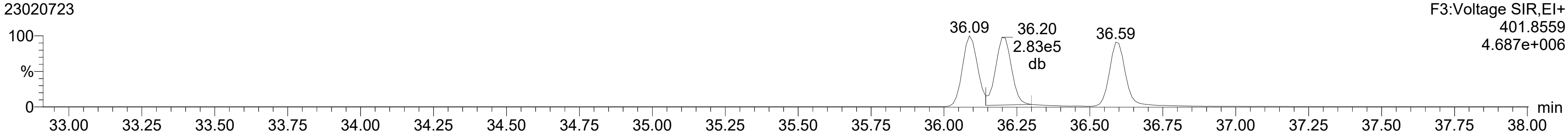

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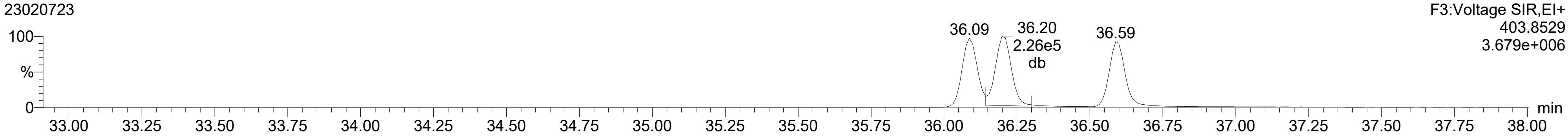

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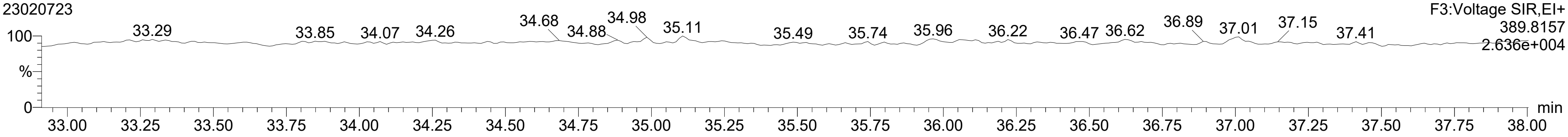

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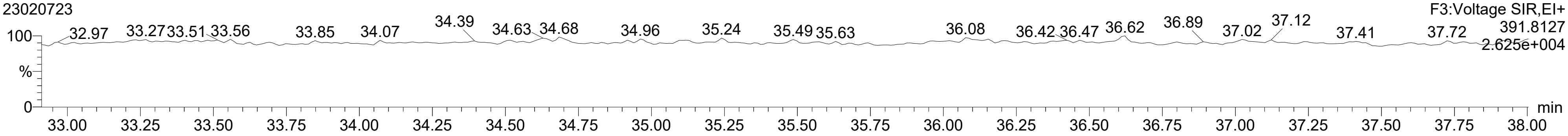

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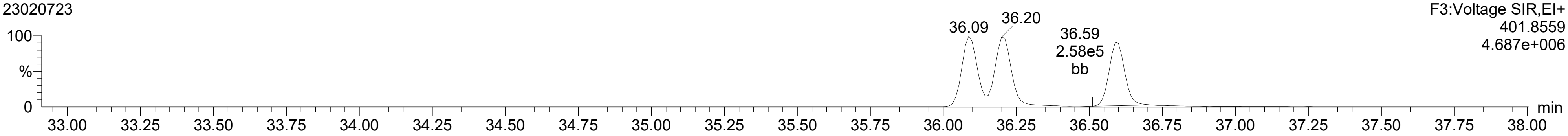

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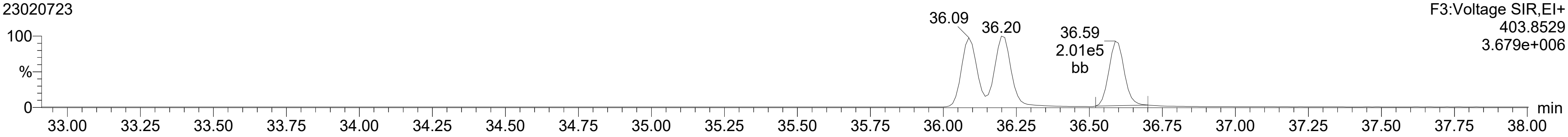

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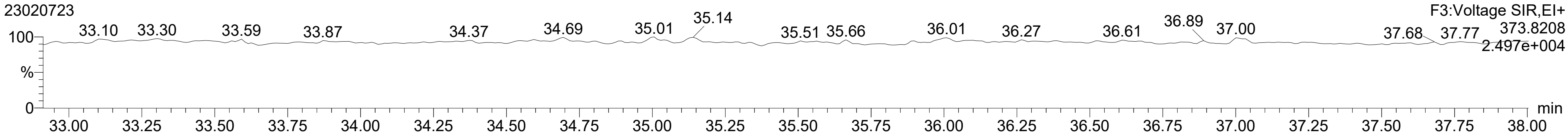

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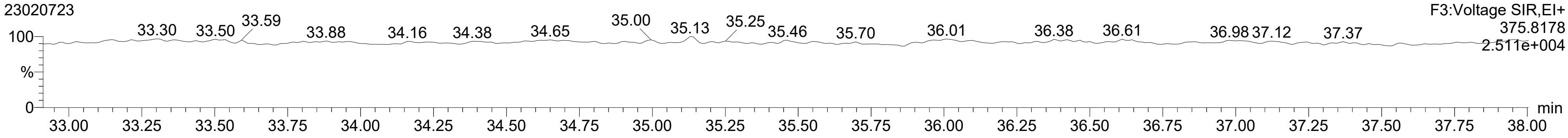

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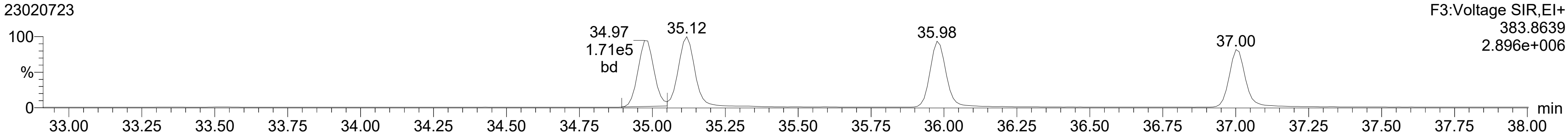

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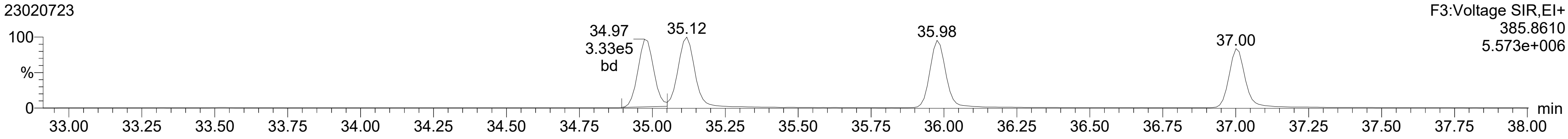

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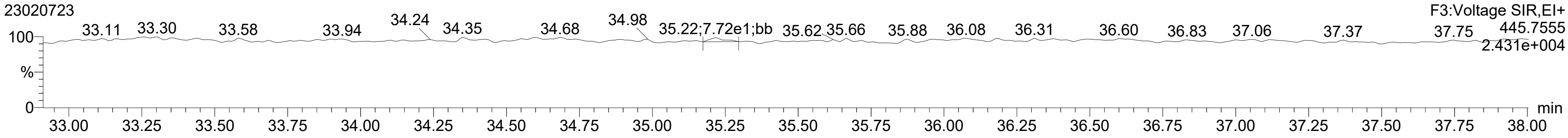

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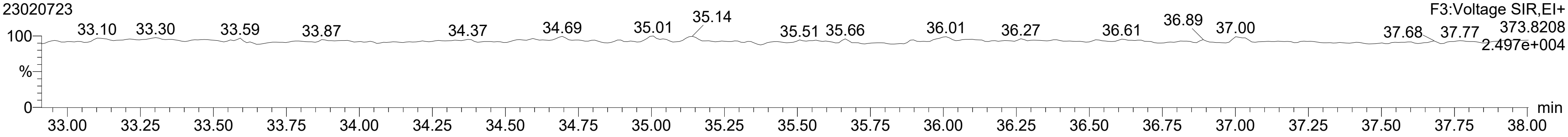
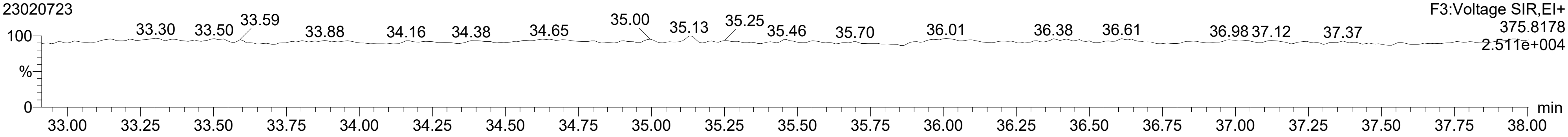
234678-HxCDF

23020723



234678-HxCDF

23020723



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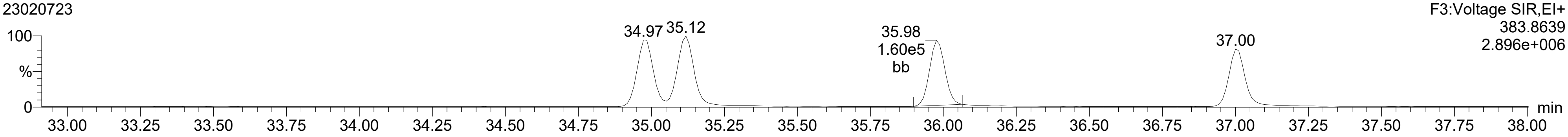

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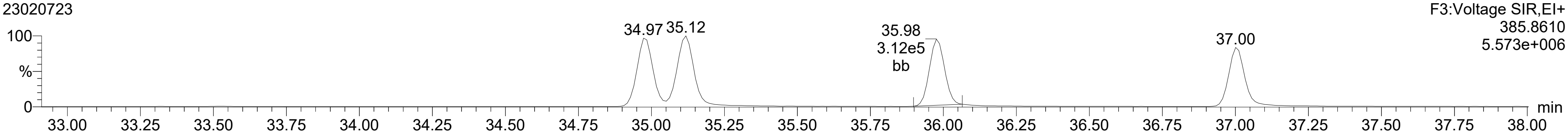
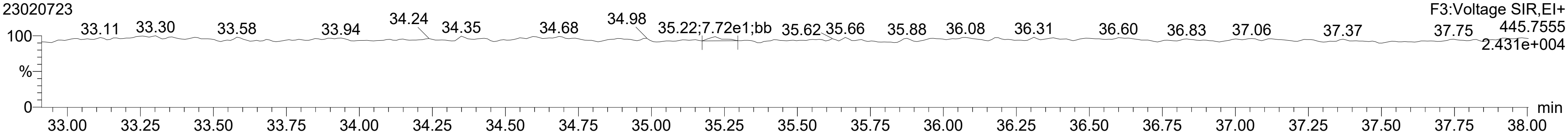


FUNCTION3 OCDPE

23020723



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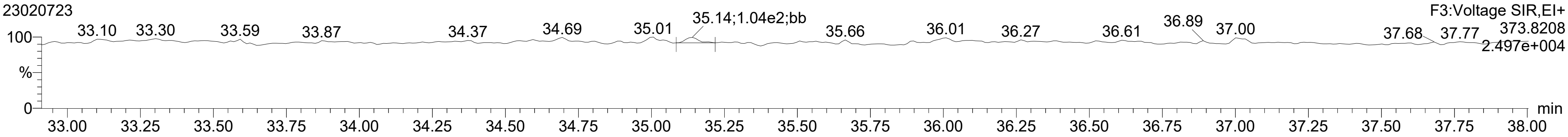

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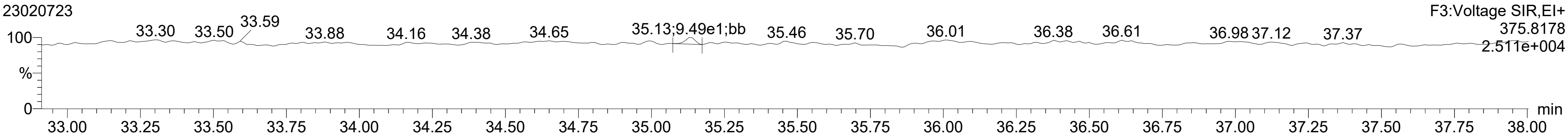

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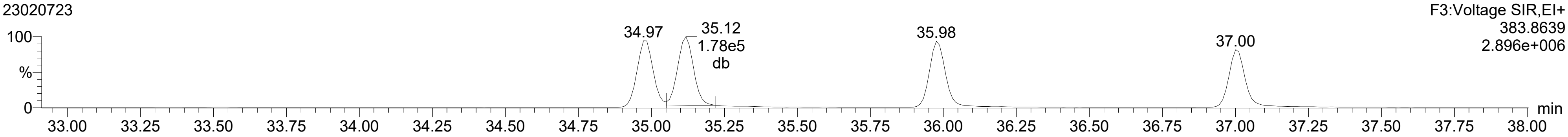

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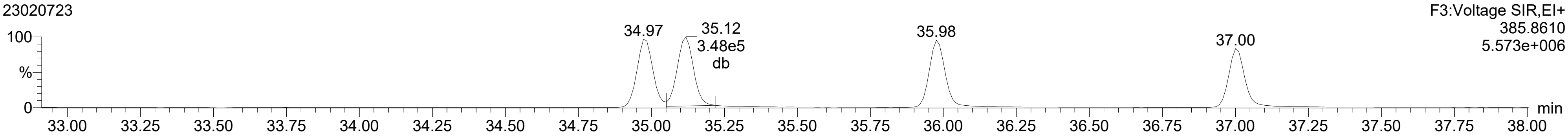

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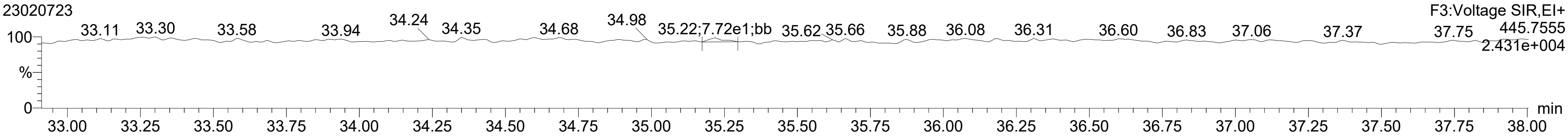

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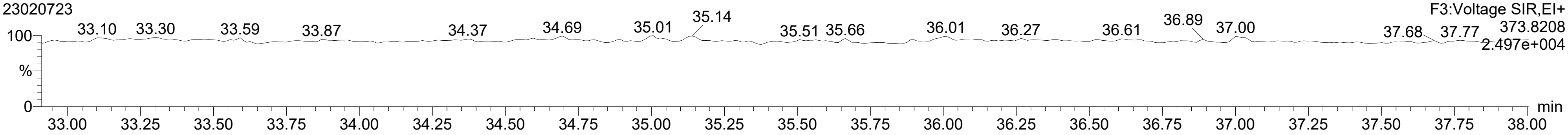

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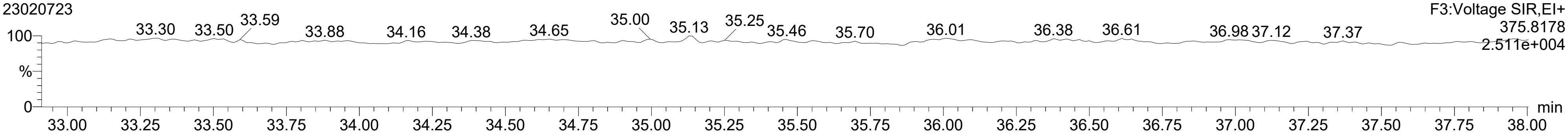

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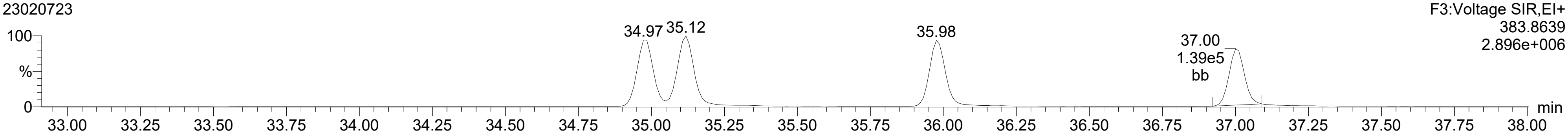

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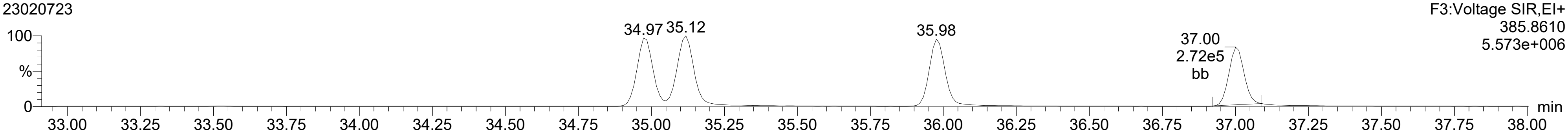

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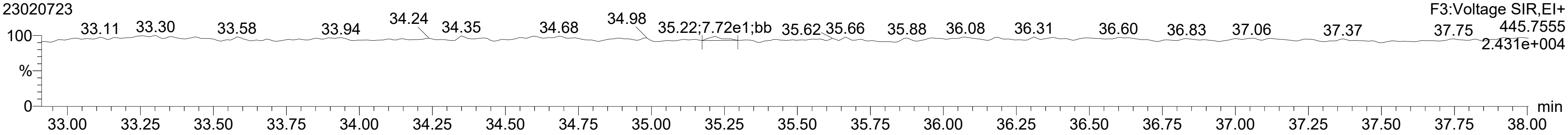

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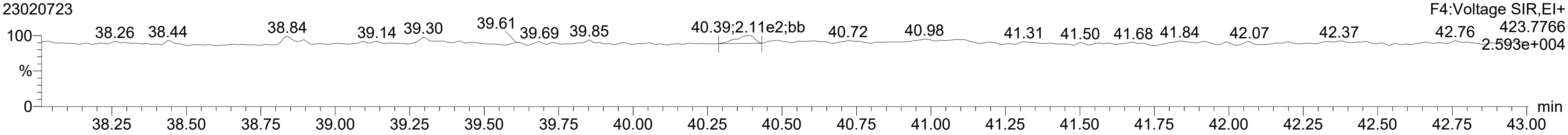
1234678-HpCDD



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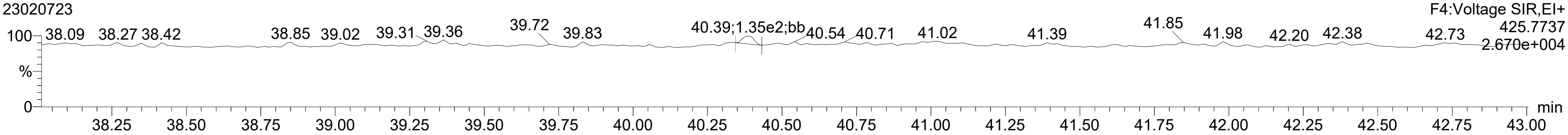

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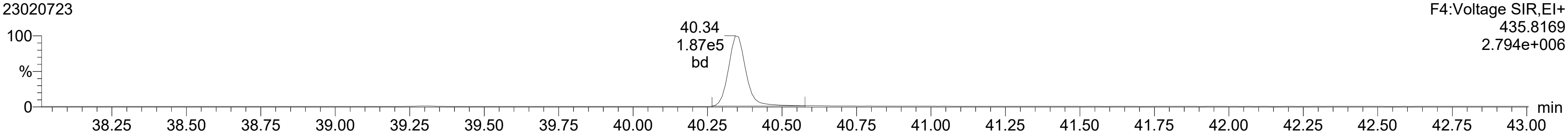

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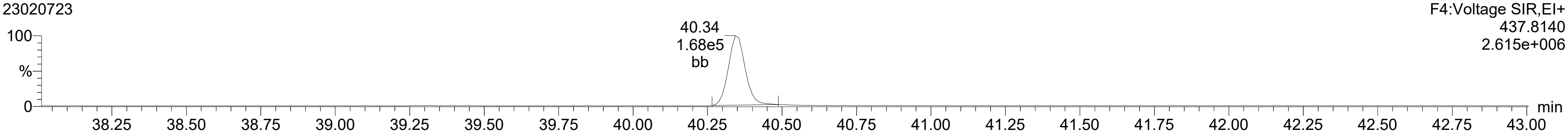

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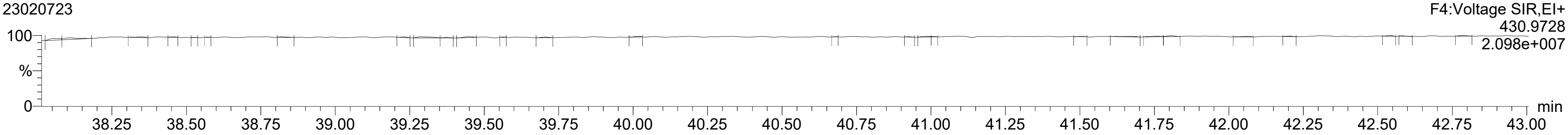
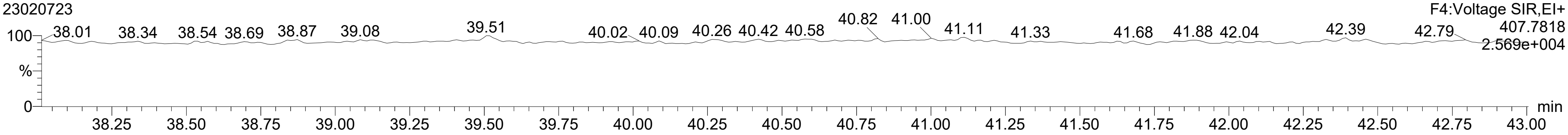


ID: BKL0420-BLK1, Name: 23020723, Date: 08-Feb-2023, Time: 03:21:03, Conditions: AUTOSPEC01, User: pk

1234678-HpCDF



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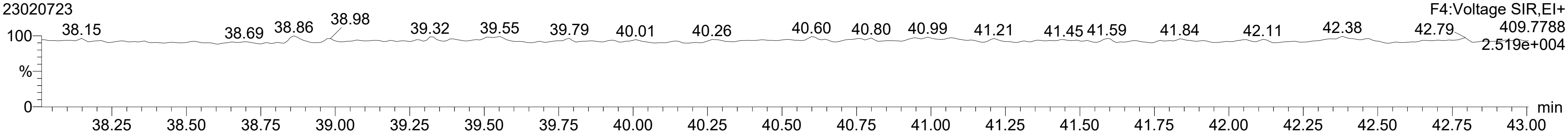
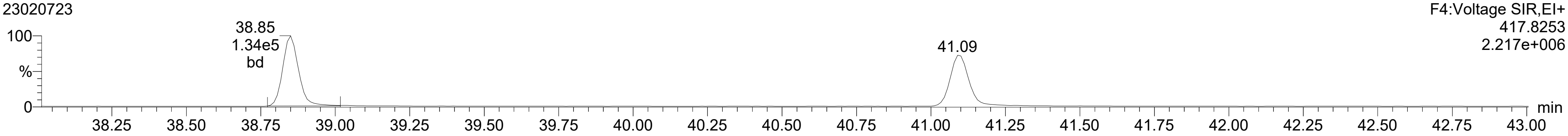
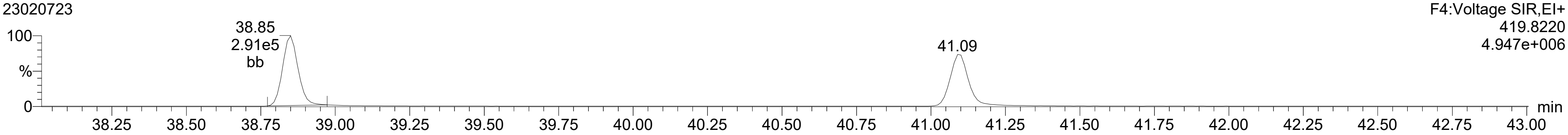


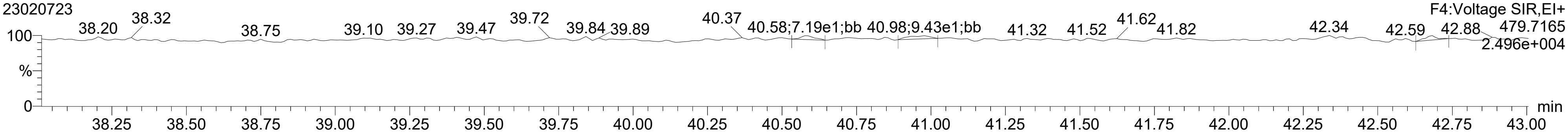
13C-1234678-HpCDF



13C-1234678-HpCDF

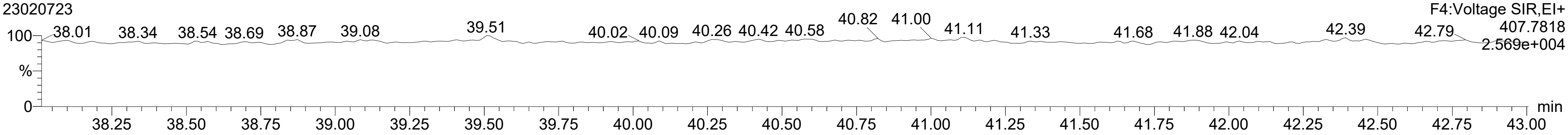


FUNCTION4 NCDPE

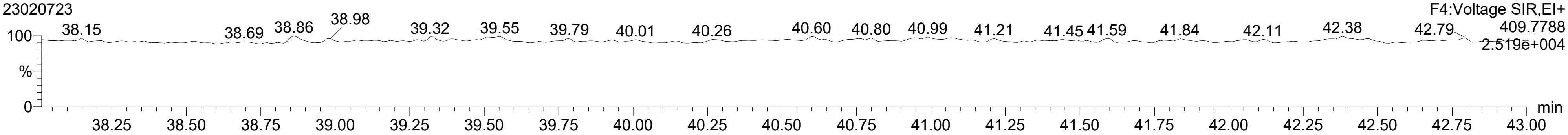


ID: BKL0420-BLK1, Name: 23020723, Date: 08-Feb-2023, Time: 03:21:03, Conditions: AUTOSPEC01, User: pk

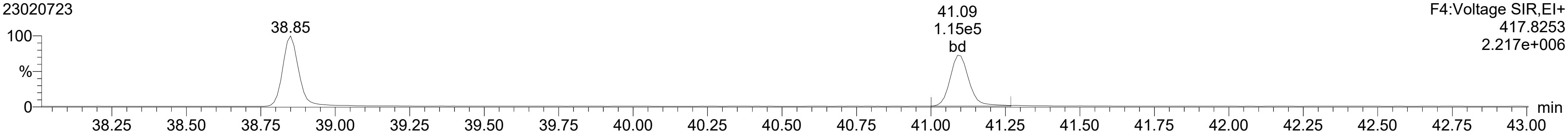
1234789-HpCDF



1234789-HpCDF



13C-1234789-HpCDF



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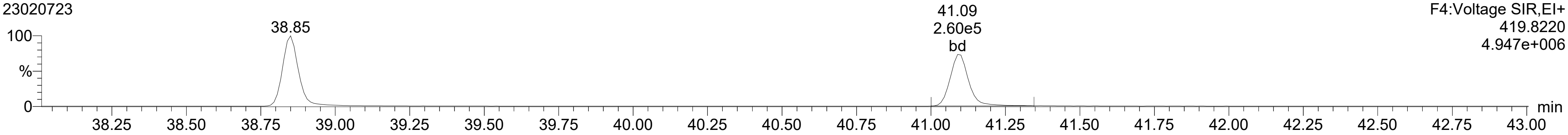
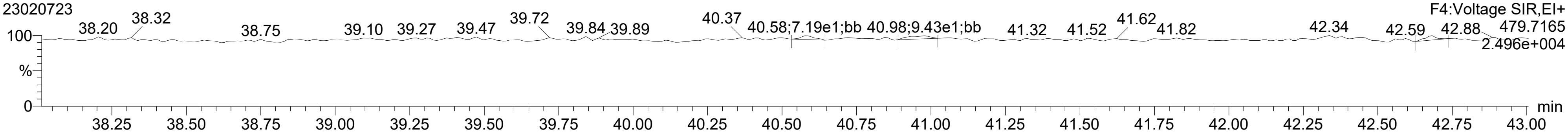
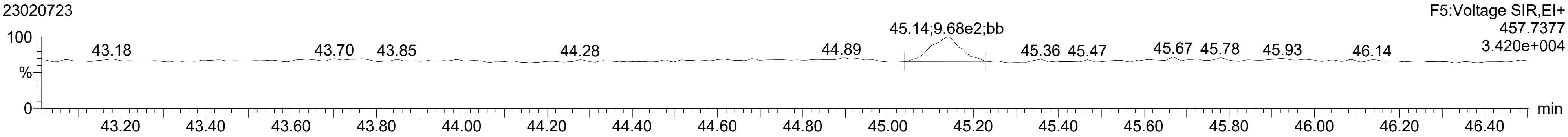


FUNCTION4 NCDPE

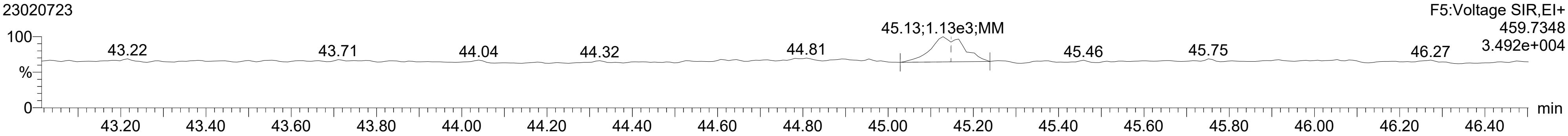


ID: BKL0420-BLK1, Name: 23020723, Date: 08-Feb-2023, Time: 03:21:03, Conditions: AUTOSPEC01, User: pk

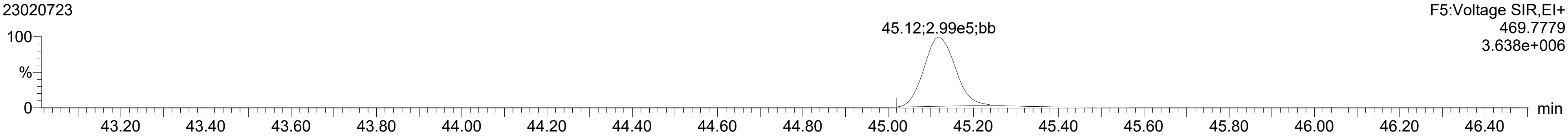
OCDD



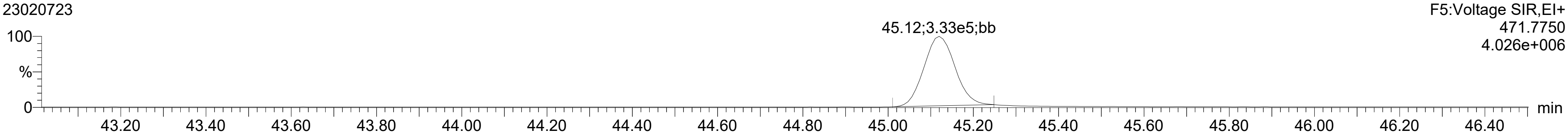
OCDD



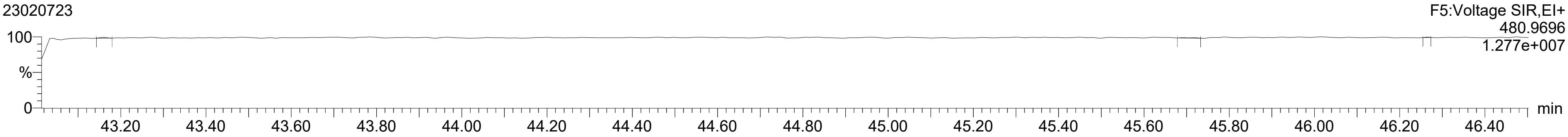
13C-OCDD



13C-OCDD

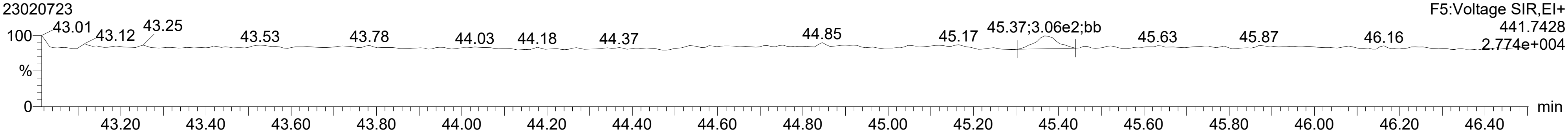


FUNCTION5 PFK

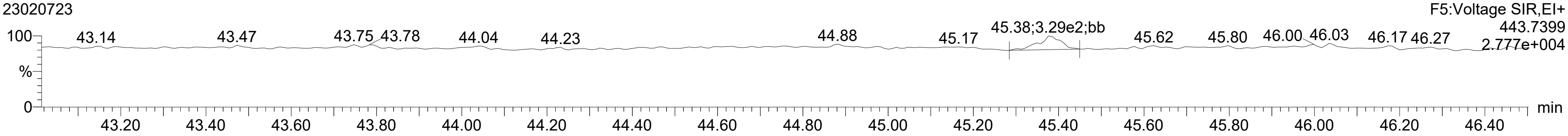


ID: BKL0420-BLK1, Name: 23020723, Date: 08-Feb-2023, Time: 03:21:03, Conditions: AUTOSPEC01, User: pk

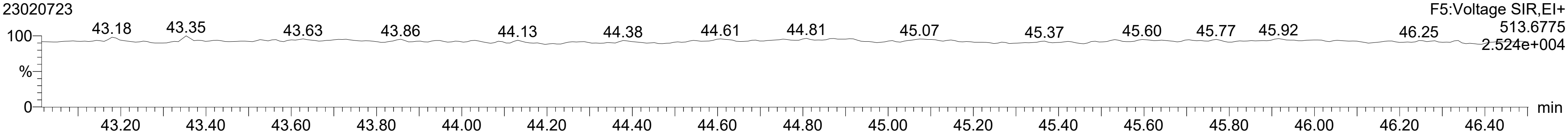
OCDF



OCDF

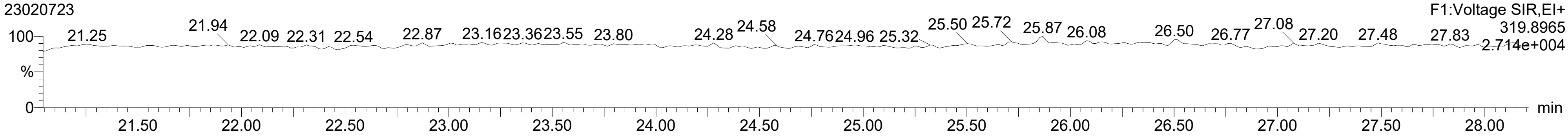


FUNCTION5 DCDPE

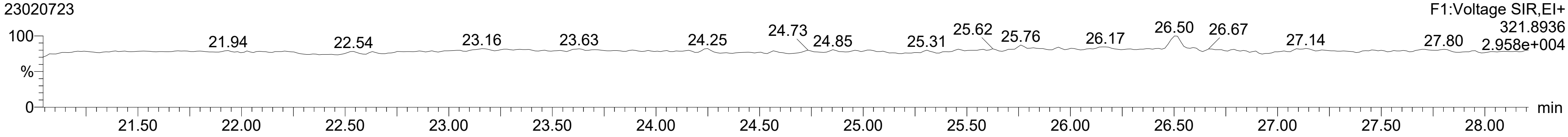


ID: BKL0420-BLK1, Name: 23020723, Date: 08-Feb-2023, Time: 03:21:03, Conditions: AUTOSPEC01, User: pk

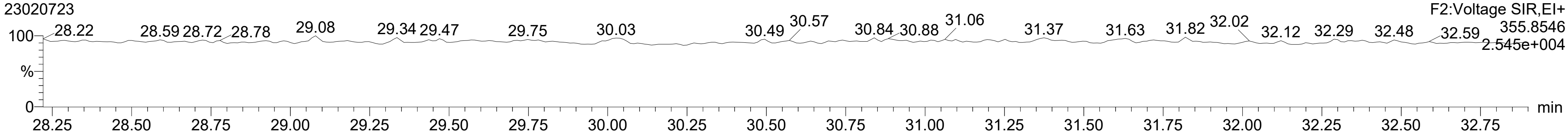
Total-tetradioxins



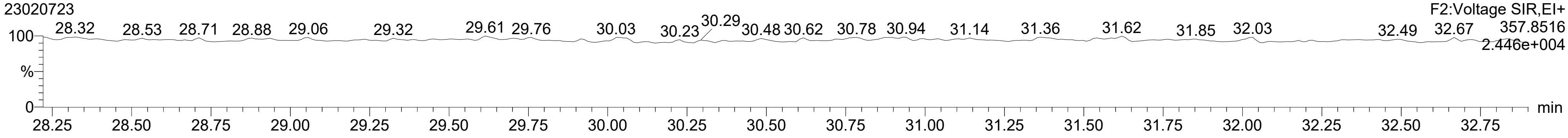
Total-tetradioxins



Total-pentadioxins

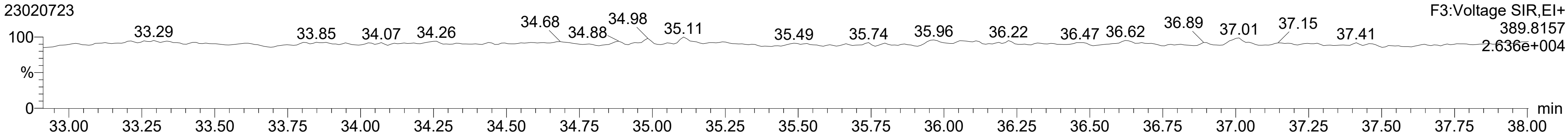


Total-pentadioxins

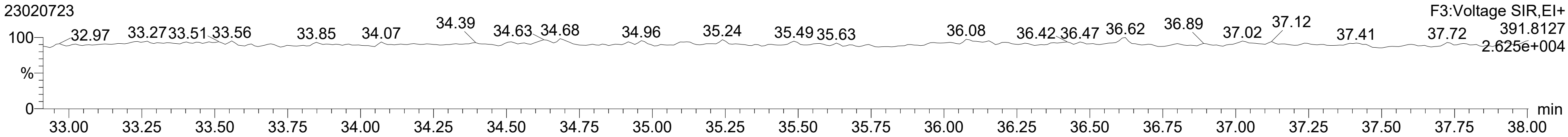


ID: BKL0420-BLK1, Name: 23020723, Date: 08-Feb-2023, Time: 03:21:03, Conditions: AUTOSPEC01, User: pk

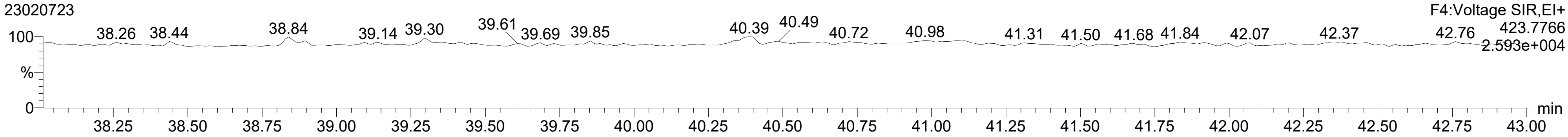
Total-hexadioxins



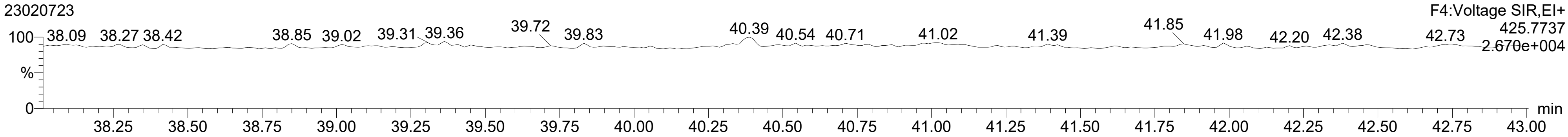
Total-hexadioxins



Total-heptadioxins

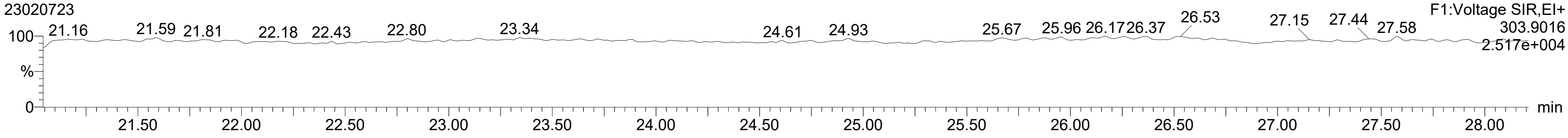


Total-heptadioxins

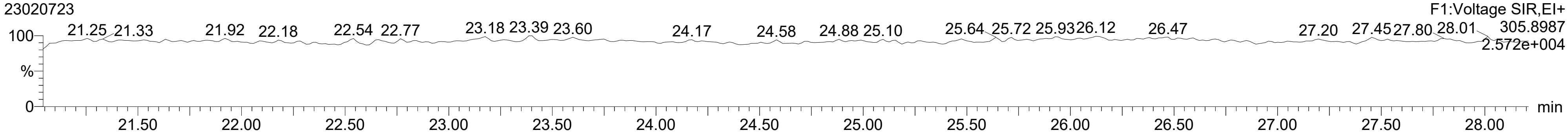


ID: BKL0420-BLK1, Name: 23020723, Date: 08-Feb-2023, Time: 03:21:03, Conditions: AUTOSPEC01, User: pk

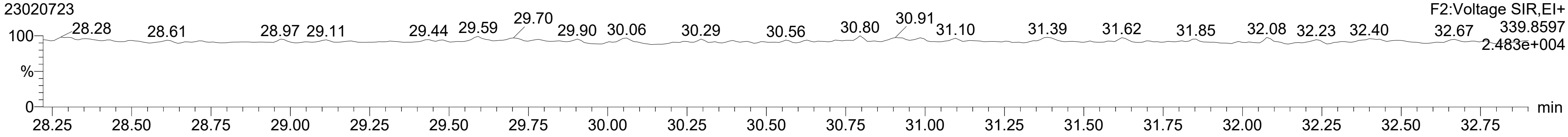
Total-tetrafurans



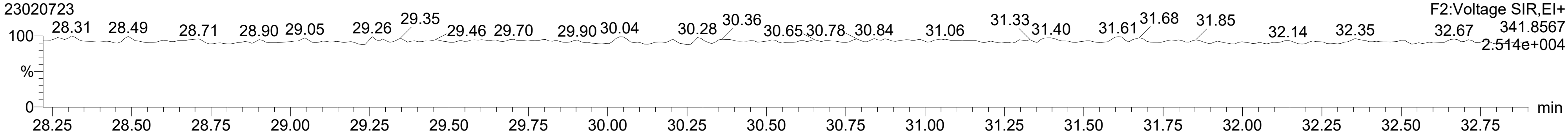
Total-tetrafurans



Total-pentafurans

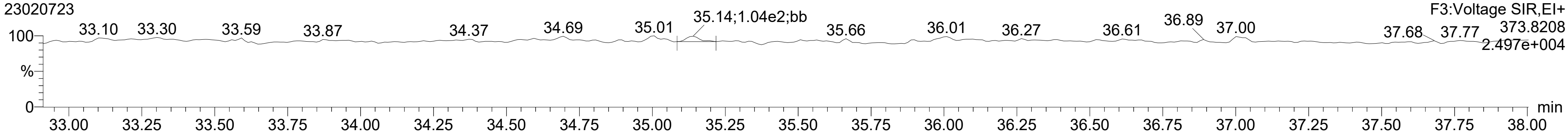


Total-pentafurans

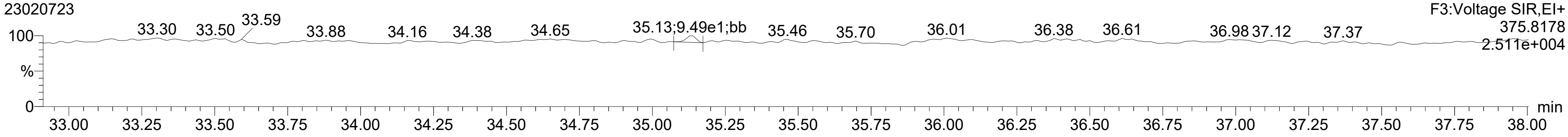


ID: BKL0420-BLK1, Name: 23020723, Date: 08-Feb-2023, Time: 03:21:03, Conditions: AUTOSPEC01, User: pk

Total-hexafurans



Total-hexafurans



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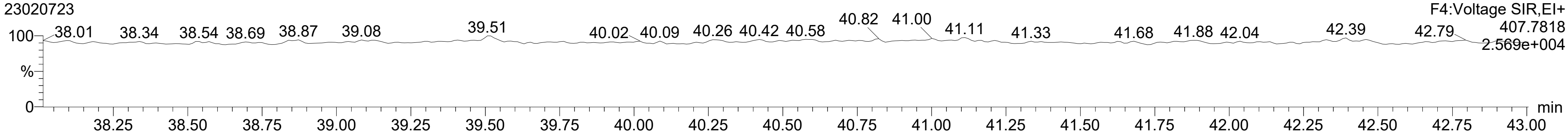
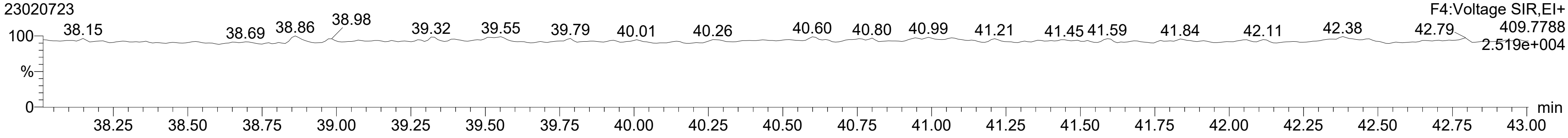


Total-heptafurans



LCS RECOVERY

EPA 1613B

Laboratory:	Analytical Resources, LLC	SDG:	22L0307
Client:	Anchor QEA, LLC	Project:	AOC4 UR Phase 3
Matrix:	Solid	Analyzed:	02/08/23 04:10
Batch:	BKL0420	Laboratory ID:	BKL0420-BS1
Preparation:	EPA 8290	Sequence Name:	LCS
Initial/Final:	10.01 g / 20 uL		

COMPOUND	SPIKE ADDED (ng/kg wet)	LCS CONCENTRATION (ng/kg wet)	Q	LCS % REC. #	QC LIMITS REC.
2,3,7,8-TCDF	20.0	17.9		89.3	75 - 158
2,3,7,8-TCDD	20.0	17.9		89.4	67 - 158
1,2,3,7,8-PeCDF	99.9	87.9		88.0	80 - 134
2,3,4,7,8-PeCDF	99.9	88.6		88.7	68 - 160
1,2,3,7,8-PeCDD	99.9	92.7		92.8	70 - 142
1,2,3,4,7,8-HxCDF	99.9	91.3		91.3	72 - 134
1,2,3,6,7,8-HxCDF	99.9	89.3	B	89.4	84 - 130
2,3,4,6,7,8-HxCDF	99.9	94.8		94.9	70 - 156
1,2,3,7,8,9-HxCDF	99.9	92.3		92.4	78 - 130
1,2,3,4,7,8-HxCDD	99.9	92.1		92.2	70 - 164
1,2,3,6,7,8-HxCDD	99.9	90.6		90.7	76 - 134
1,2,3,7,8,9-HxCDD	99.9	90.9		91.0	64 - 162
1,2,3,4,6,7,8-HpCDF	99.9	92.4		92.5	82 - 122
1,2,3,4,7,8,9-HpCDF	99.9	89.4		89.4	78 - 138
1,2,3,4,6,7,8-HpCDD	99.9	88.7	B	88.8	70 - 140
OCDF	200	155	B	77.4	63 - 170
OCDD	200	178	B	89.0	78 - 144

* Indicates values outside of QC limits

Method: T:\Autospec\Methods\Dioxin230206.mdb 07 Feb 2023 09:29:10
Calibration: T:\Autospec\Curves\230201ICIH.cdb 03 Feb 2023 10:33:40

ID: BKL0420-BS1, Name: 23020724, Date: 08-Feb-2023, Time: 04:10:27, Conditions: AUTOSPEC01, User: pk

Compound	RT	RRT	Ion1Area	Ion2Area	RRF	Ratio	Pred R	Noise 1	Noise 2	Height 1	Height 2	S/N 1	S/N 2	EMPC	Int.1	Int.2	pg
2378-TCDF	25.851	1.001	1.830e4	2.504e4	0.876	0.731	0.770	621	976	2.76e5	3.76e5	444.3	384.8	NO	bb	bb	8.935
12378-PeCDF	30.026	1.001	1.138e5	7.506e4	0.845	1.516	1.550	1397	1055	1.72e6	1.13e6	1231.1	1066.8	NO	bb	bb	44.003
23478-PeCDF	31.352	1.000	1.134e5	7.849e4	0.911	1.445	1.550	1397	1055	1.71e6	1.16e6	1223.0	1100.2	NO	bb	bd	44.330
123478-HxCDF	34.973	1.000	1.157e5	9.420e4	1.182	1.229	1.240	1547	1191	1.82e6	1.47e6	1176.5	1235.8	NO	bd	bd	45.673
234678-HxCDF	35.976	1.001	1.164e5	9.326e4	1.229	1.248	1.240	1547	1191	1.84e6	1.44e6	1187.9	1209.1	NO	bd	bb	47.444
123678-HxCDF	35.118	1.001	1.248e5	1.003e5	1.248	1.243	1.240	1547	1191	1.89e6	1.51e6	1222.3	1264.6	NO	db	db	44.705
123789-HxCDF	37.001	1.000	9.420e4	7.417e4	1.187	1.270	1.240	1547	1191	1.44e6	1.17e6	932.7	983.8	NO	bb	bb	46.185
1234678-HpCDF	38.839	1.000	8.808e4	9.006e4	1.204	0.978	1.050	1124	1648	1.40e6	1.39e6	1249.6	840.9	NO	bb	bd	46.234
1234789-HpCDF	41.090	1.000	7.216e4	7.031e4	1.165	1.026	1.050	1124	1648	1.01e6	9.88e5	897.6	599.2	NO	bd	bd	44.720
OCDF	45.358	1.006	9.630e4	1.075e5	1.186	0.896	0.890	800	1150	1.10e6	1.26e6	1377.6	1095.8	NO	bd	bd	77.427
2378-TCDD	26.502	1.001	2.037e4	2.494e4	1.236	0.817	0.770	776	708	3.14e5	3.86e5	405.1	545.3	NO	bd	bb	8.940
12378-PeCDD	31.608	1.001	9.790e4	6.470e4	1.087	1.513	1.550	1110	944	1.52e6	9.99e5	1368.6	1057.9	NO	bb	bb	46.383
123478-HxCDD	36.087	1.000	9.377e4	7.631e4	0.987	1.229	1.240	1041	1107	1.58e6	1.27e6	1518.8	1145.0	NO	bd	bd	46.101
123678-HxCDD	36.199	1.000	9.684e4	7.862e4	1.021	1.232	1.240	1041	1107	1.60e6	1.30e6	1540.9	1176.7	NO	db	db	45.345
123789-HxCDD	36.589	1.011	9.225e4	7.651e4	0.985	1.206	1.240	1041	1107	1.52e6	1.27e6	1456.2	1151.3	NO	bb	bb	45.490
1234678-HpCDD	40.343	1.000	7.268e4	7.194e4	1.253	1.010	1.050	1076	854	1.11e6	1.08e6	1027.2	1261.1	NO	bb	bd	44.405
OCDD	45.120	1.000	1.015e5	1.163e5	1.103	0.872	0.890	896	1060	1.25e6	1.40e6	1394.8	1323.6	NO	bb	bd	89.026
13C-2378-TCDF	25.837	1.007	2.433e5	3.104e5	1.768	0.784	0.770	1577	1131	3.71e6	4.79e6	2352.7	4236.6	NO	bb	bb	80.199
13C-12378-PeCDF	30.004	1.170	3.035e5	2.047e5	1.527	1.483	1.550	1701	1616	4.65e6	3.05e6	2731.7	1885.7	NO	bb	bd	85.220
13C-23478-PeCDF	31.341	1.222	2.875e5	1.876e5	1.466	1.533	1.550	1701	1616	4.35e6	2.87e6	2553.7	1773.0	NO	bb	bb	82.975
13C-123478-HxCDF	34.962	0.956	1.304e5	2.585e5	1.054	0.504	0.510	1649	1410	2.08e6	4.15e6	1264.0	2947.1	NO	bd	bd	92.937
13C-123678-HxCDF	35.096	0.959	1.334e5	2.700e5	1.080	0.494	0.510	1649	1410	2.12e6	4.25e6	1286.6	3013.6	NO	db	db	94.041
13C-234678-HxCDF	35.953	0.983	1.204e5	2.391e5	1.014	0.504	0.510	1649	1410	1.97e6	3.92e6	1196.0	2780.9	NO	bb	bb	89.234
13C-123789-HxCDF	36.990	1.011	1.030e5	2.042e5	0.928	0.504	0.510	1649	1410	1.70e6	3.37e6	1033.0	2392.3	NO	bb	bb	83.357
13C-1234678-HpCDF	38.828	1.062	9.777e4	2.222e5	1.036	0.440	0.440	1170	2075	1.60e6	3.61e6	1363.3	1740.2	NO	bb	bb	77.751
13C-1234789-HpCDF	41.078	1.123	8.469e4	1.887e5	0.905	0.449	0.440	1170	2075	1.18e6	2.59e6	1005.5	1246.0	NO	bb	bb	76.054
13C-1234-TCDD	25.655	0.000	1.701e5	2.204e5	1.000	0.772	0.770	1492	943	2.58e6	3.39e6	1727.6	3593.6	NO	bb	bb	100.000
13C-2378-TCDD	26.472	1.032	1.786e5	2.313e5	1.103	0.772	0.770	1492	943	2.72e6	3.59e6	1823.3	3802.7	NO	bb	bb	95.164
13C-12378-PeCDD	31.586	1.231	1.985e5	1.241e5	0.914	1.599	1.550	793	790	2.93e6	1.87e6	3695.9	2363.8	NO	bd	bd	90.366
13C-123478-HxCDD	36.076	0.986	2.097e5	1.641e5	0.933	1.278	1.240	1674	1229	3.42e6	2.66e6	2044.0	2161.4	NO	bd	bd	100.871
13C-123678-HxCDD	36.188	0.989	2.130e5	1.661e5	0.965	1.282	1.240	1674	1229	3.50e6	2.74e6	2088.0	2229.5	NO	db	db	98.937
13C-1234678-HpCDD	40.332	1.103	1.352e5	1.248e5	0.782	1.083	1.050	1138	1134	2.04e6	1.88e6	1791.7	1661.0	NO	bb	bb	83.710
13C-OCDD	45.102	1.233	2.102e5	2.335e5	0.788	0.901	0.890	1082	1600	2.59e6	2.90e6	2398.2	1812.0	NO	bb	bb	141.709
13C-123789-HxCDD	36.577	0.000	2.229e5	1.743e5	1.000	1.279	1.240	1674	1229	3.58e6	2.85e6	2141.5	2321.0	NO	bb	bb	100.000
37CL-2378-TCDD	26.502	1.033	1.539e5		1.233			1014		2.31e6		2273.3			bb		31.947

ID: BKL0420-BS1, Name: 23020724, Date: 08-Feb-2023, Time: 04:10:27, Conditions: AUTOSPEC01, User: pk

Compound	RT	RRT	Ion1Area	Ion2Area	RRF	Ratio	Pred R	Noise 1	Noise 2	Height 1	Height 2	S/N 1	S/N 2	EMPC	Int.1	Int.2	pg
1368-TCDF					1.064		0.770	621	976								
1289-TCDF					0.858		0.770	621	976								
13468-PECDF					1.013		1.550	729	719								
12389-PECDF	32.399	1.080	8.095e2	6.648e2	0.844	1.218	1.550	1397	1055	1.15e4	8.46e3	8.2	8.0	YES	bb	bb	0.344
123468-HXCDF					1.197		1.240	1547	1191								
1368-TCDD					1.084		0.770	776	708								
1289-TCDD					0.975		0.770	776	708								
12479-PECDD					1.837		1.550	1110	944								
12389-PECDD					1.252		1.550	1110	944								
124679-HXCDD					1.033		1.240	1041	1107								
1234679-HPCDD	39.296	0.974	7.031e2	6.027e2	1.286	1.167	1.050	1076	854	1.14e4	1.03e4	10.6	12.1	NO	bb	bb	0.390
Total-tetrafurans			1.881e4		0.933			621		2.84e5							9.154
Total-penta1			0.000e0					729		0.00e0							
Total-pentafurans			2.273e5		0.866			1397		3.43e6							88.333
Total-hexafurans			4.510e5		1.208			1547		6.99e6							184.007
Total-heptafurans			1.602e5		1.185			1124		2.41e6							90.954
Total-Furans			9.538e5		1.067			621		1.42e7							449.927
Total-tetradioxins			2.037e4		1.099			776		3.14e5							8.940
Total-pentadioxins			9.790e4		1.392			1110		1.52e6							46.383
Total-hexadioxins			2.829e5		1.007			1041		4.70e6							136.936
Total-heptadioxins			7.339e4		1.269			1076		1.12e6							44.796
Total-Dioxins			5.760e5		1.165			776		8.90e6							326.081
Total-TEQ			1.530e6					776		2.31e7							776.008
FUNCTION1 PFK			5.167e5					510354		1.36e7							
FUNCTION2 PFK			4.477e4					225738		1.03e6							0.000
FUNCTION3 PFK			0.000e0					240155		0.00e0							
FUNCTION4 PFK			0.000e0					140665		0.00e0							
FUNCTION5 PFK			7.923e4					110563		2.89e6							
FUNCTION1 HXCD...			5.025e2					529		6.61e3							0.000
FUNCTION1 HPCD...			7.278e2					507		9.74e3							0.000
FUNCTION2 HPCD...			0.000e0					679		0.00e0							
FUNCTION3 OCDPE			3.838e2					662		9.57e3							0.000
FUNCTION4 NCDPE			4.774e2					567		6.31e3							0.000
FUNCTION5 DCDPE			1.478e2					426		2.23e3							0.000

Method: T:\Autospec\Methods\Dioxin230206.mdb 07 Feb 2023 09:29:10
Calibration: T:\Autospec\Curves\230201ICIH.cdb 03 Feb 2023 10:33:40

ID: BKL0420-BS1, Name: 23020724, Date: 08-Feb-2023, Time: 04:10:27, Conditions: AUTOSPEC01, User: pk

TF

	Compound	RT	Ion1Area	Ion2Area	RRF	Ratio	Pred R	S/N 1	SNFlag	EMPC	Int.1	Int.2	pg
1	2378-TCDF	25.85	1.830e4	2.504e4	0.876	0.73	0.77	444.3	YES	NO	bb	bb	8.935
2	Total-tetrafurans	24.75	2.791e2	3.324e2	0.933	0.84	0.77	7.0	YES	NO	dd	db	0.118
3	Total-tetrafurans	24.61	2.262e2	2.957e2	0.933	0.76	0.77	5.8	YES	NO	bd	bd	0.101

PP

	Compound	RT	Ion1Area	Ion2Area	RRF	Ratio	Pred R	S/N 1	SNFlag	EMPC	Int.1	Int.2	pg
1													

PF

	Compound	RT	Ion1Area	Ion2Area	RRF	Ratio	Pred R	S/N 1	SNFlag	EMPC	Int.1	Int.2	pg
1	23478-PeCDF	31.35	1.134e5	7.849e4	0.911	1.45	1.55	1223.0	YES	NO	bb	bd	44.330
2	12378-PeCDF	30.03	1.138e5	7.506e4	0.845	1.52	1.55	1231.1	YES	NO	bb	bb	44.003

HF

	Compound	RT	Ion1Area	Ion2Area	RRF	Ratio	Pred R	S/N 1	SNFlag	EMPC	Int.1	Int.2	pg
1	123789-HxCDF	37.00	9.420e4	7.417e4	1.187	1.27	1.24	932.7	YES	NO	bb	bb	46.185
2	234678-HxCDF	35.98	1.164e5	9.326e4	1.229	1.25	1.24	1187.9	YES	NO	bd	bb	47.444
3	123678-HxCDF	35.12	1.248e5	1.003e5	1.248	1.24	1.24	1222.3	YES	NO	db	db	44.705
4	123478-HxCDF	34.97	1.157e5	9.420e4	1.182	1.23	1.24	1176.5	YES	NO	bd	bd	45.673

HPF

	Compound	RT	Ion1Area	Ion2Area	RRF	Ratio	Pred R	S/N 1	SNFlag	EMPC	Int.1	Int.2	pg
1	1234789-HpCDF	41.09	7.216e4	7.031e4	1.165	1.03	1.05	897.6	YES	NO	bd	bd	44.720
2	1234678-HpCDF	38.84	8.808e4	9.006e4	1.204	0.98	1.05	1249.6	YES	NO	bb	bd	46.234

ID: BKL0420-BS1, Name: 23020724, Date: 08-Feb-2023, Time: 04:10:27, Conditions: AUTOSPEC01, User: pk

Furans,TF,PP,PF,HF,HPF,OF

	Compound	RT	Ion1Area	Ion2Area	RRF	Ratio	Pred R	S/N 1	SNFlag	EMPC	Int.1	Int.2	pg
1	2378-TCDF	25.85	1.830e4	2.504e4	0.876	0.73	0.77	444.3	YES	NO	bb	bb	8.935
2	Total-tetrafurans	24.75	2.791e2	3.324e2	0.933	0.84	0.77	7.0	YES	NO	dd	db	0.118
3	Total-tetrafurans	24.61	2.262e2	2.957e2	0.933	0.76	0.77	5.8	YES	NO	bd	bd	0.101
4	Total-Furans	21.74	1.306e2	1.818e2	1.067	0.72	0.77	2.8	NO	NO	bb	bb	0.053
5	23478-PeCDF	31.35	1.134e5	7.849e4	0.911	1.45	1.55	1223.0	YES	NO	bb	bd	44.330
6	12378-PeCDF	30.03	1.138e5	7.506e4	0.845	1.52	1.55	1231.1	YES	NO	bb	bb	44.003
7	123789-HxCDF	37.00	9.420e4	7.417e4	1.187	1.27	1.24	932.7	YES	NO	bb	bb	46.185
8	234678-HxCDF	35.98	1.164e5	9.326e4	1.229	1.25	1.24	1187.9	YES	NO	bd	bb	47.444
9	123678-HxCDF	35.12	1.248e5	1.003e5	1.248	1.24	1.24	1222.3	YES	NO	db	db	44.705
10	123478-HxCDF	34.97	1.157e5	9.420e4	1.182	1.23	1.24	1176.5	YES	NO	bd	bd	45.673
11	1234789-HpCDF	41.09	7.216e4	7.031e4	1.165	1.03	1.05	897.6	YES	NO	bd	bd	44.720
12	1234678-HpCDF	38.84	8.808e4	9.006e4	1.204	0.98	1.05	1249.6	YES	NO	bb	bd	46.234
13	OCDF	45.36	9.630e4	1.075e5	1.186	0.90	0.89	1377.6	YES	NO	bd	bd	77.427

TD

	Compound	RT	Ion1Area	Ion2Area	RRF	Ratio	Pred R	S/N 1	SNFlag	EMPC	Int.1	Int.2	pg
1	2378-TCDD	26.50	2.037e4	2.494e4	1.236	0.82	0.77	405.1	YES	NO	bd	bb	8.940

PD

	Compound	RT	Ion1Area	Ion2Area	RRF	Ratio	Pred R	S/N 1	SNFlag	EMPC	Int.1	Int.2	pg
1	12378-PeCDD	31.61	9.790e4	6.470e4	1.087	1.51	1.55	1368.6	YES	NO	bb	bb	46.383

HD

	Compound	RT	Ion1Area	Ion2Area	RRF	Ratio	Pred R	S/N 1	SNFlag	EMPC	Int.1	Int.2	pg
1	123789-HxCDD	36.59	9.225e4	7.651e4	0.985	1.21	1.24	1456.2	YES	NO	bb	bb	45.490
2	123678-HxCDD	36.20	9.684e4	7.862e4	1.021	1.23	1.24	1540.9	YES	NO	db	db	45.345
3	123478-HxCDD	36.09	9.377e4	7.631e4	0.987	1.23	1.24	1518.8	YES	NO	bd	bd	46.101

HPD

	Compound	RT	Ion1Area	Ion2Area	RRF	Ratio	Pred R	S/N 1	SNFlag	EMPC	Int.1	Int.2	pg
1	1234678-HpCDD	40.34	7.268e4	7.194e4	1.253	1.01	1.05	1027.2	YES	NO	bb	bd	44.405
2	1234679-HPCDD	39.30	7.031e2	6.027e2	1.286	1.17	1.05	10.6	YES	NO	bb	bb	0.390

ID: BKL0420-BS1, Name: 23020724, Date: 08-Feb-2023, Time: 04:10:27, Conditions: AUTOSPEC01, User: pk

Dioxins,TD,PD,HD,HPD,OD

	Compound	RT	Ion1Area	Ion2Area	RRF	Ratio	Pred R	S/N 1	SNFlag	EMPC	Int.1	Int.2	pg
1	12378-PeCDD	31.61	9.790e4	6.470e4	1.087	1.51	1.55	1368.6	YES	NO	bb	bb	46.383
2	2378-TCDD	26.50	2.037e4	2.494e4	1.236	0.82	0.77	405.1	YES	NO	bd	bb	8.940
3	123789-HxCDD	36.59	9.225e4	7.651e4	0.985	1.21	1.24	1456.2	YES	NO	bb	bb	45.490
4	123678-HxCDD	36.20	9.684e4	7.862e4	1.021	1.23	1.24	1540.9	YES	NO	db	db	45.345
5	123478-HxCDD	36.09	9.377e4	7.631e4	0.987	1.23	1.24	1518.8	YES	NO	bd	bd	46.101
6	1234678-HpCDD	40.34	7.268e4	7.194e4	1.253	1.01	1.05	1027.2	YES	NO	bb	bd	44.405
7	1234679-HPCDD	39.30	7.031e2	6.027e2	1.286	1.17	1.05	10.6	YES	NO	bb	bb	0.390
8	OCDD	45.12	1.015e5	1.163e5	1.103	0.87	0.89	1394.8	YES	NO	bb	bd	89.026

TotalTEQ,Furans,Dioxins

	Compound	RT	Ion1Area	Ion2Area	RRF	Ratio	Pred R	S/N 1	SNFlag	EMPC	Int.1	Int.2	pg
1	2378-TCDF	25.85	1.830e4	2.504e4	0.876	0.73	0.77	444.3	YES	NO	bb	bb	8.935
2	Total-tetrafurans	24.75	2.791e2	3.324e2	0.933	0.84	0.77	7.0	YES	NO	dd	db	0.118
3	Total-tetrafurans	24.61	2.262e2	2.957e2	0.933	0.76	0.77	5.8	YES	NO	bd	bd	0.101
4	Total-Furans	21.74	1.306e2	1.818e2	1.067	0.72	0.77	2.8	NO	NO	bb	bb	0.053
5	23478-PeCDF	31.35	1.134e5	7.849e4	0.911	1.45	1.55	1223.0	YES	NO	bb	bd	44.330
6	12378-PeCDF	30.03	1.138e5	7.506e4	0.845	1.52	1.55	1231.1	YES	NO	bb	bb	44.003
7	123789-HxCDF	37.00	9.420e4	7.417e4	1.187	1.27	1.24	932.7	YES	NO	bb	bb	46.185
8	234678-HxCDF	35.98	1.164e5	9.326e4	1.229	1.25	1.24	1187.9	YES	NO	bd	bb	47.444
9	123678-HxCDF	35.12	1.248e5	1.003e5	1.248	1.24	1.24	1222.3	YES	NO	db	db	44.705
10	123478-HxCDF	34.97	1.157e5	9.420e4	1.182	1.23	1.24	1176.5	YES	NO	bd	bd	45.673
11	1234789-HpCDF	41.09	7.216e4	7.031e4	1.165	1.03	1.05	897.6	YES	NO	bd	bd	44.720
12	1234678-HpCDF	38.84	8.808e4	9.006e4	1.204	0.98	1.05	1249.6	YES	NO	bb	bd	46.234
13	OCDF	45.36	9.630e4	1.075e5	1.186	0.90	0.89	1377.6	YES	NO	bd	bd	77.427
14	12378-PeCDD	31.61	9.790e4	6.470e4	1.087	1.51	1.55	1368.6	YES	NO	bb	bb	46.383
15	2378-TCDD	26.50	2.037e4	2.494e4	1.236	0.82	0.77	405.1	YES	NO	bd	bb	8.940
16	123789-HxCDD	36.59	9.225e4	7.651e4	0.985	1.21	1.24	1456.2	YES	NO	bb	bb	45.490
17	123678-HxCDD	36.20	9.684e4	7.862e4	1.021	1.23	1.24	1540.9	YES	NO	db	db	45.345
18	123478-HxCDD	36.09	9.377e4	7.631e4	0.987	1.23	1.24	1518.8	YES	NO	bd	bd	46.101
19	1234678-HpCDD	40.34	7.268e4	7.194e4	1.253	1.01	1.05	1027.2	YES	NO	bb	bd	44.405
20	1234679-HPCDD	39.30	7.031e2	6.027e2	1.286	1.17	1.05	10.6	YES	NO	bb	bb	0.390
21	OCDD	45.12	1.015e5	1.163e5	1.103	0.87	0.89	1394.8	YES	NO	bb	bd	89.026

ID: BKL0420-BS1, Name: 23020724, Date: 08-Feb-2023, Time: 04:10:27, Conditions: AUTOSPEC01, User: pk

PFK1

	Compound	RT	Ion1Area	Ion2Area	RRF	Ratio	Pred R	S/N 1	SNFlag	EMPC	Int.1	Int.2	pg
1	FUNCTION1 PFK	23.72	1.279e5					2.1	NO		bb		
2	FUNCTION1 PFK	23.58	3.541e3					0.5	NO		bb		
3	FUNCTION1 PFK	23.40	1.235e4					0.8	NO		db		
4	FUNCTION1 PFK	23.34	2.588e4					1.5	NO		bd		
5	FUNCTION1 PFK	23.21	1.645e4					1.1	NO		bb		
6	FUNCTION1 PFK	22.87	1.250e4					0.9	NO		bb		
7	FUNCTION1 PFK	22.63	1.224e4					0.8	NO		bb		
8	FUNCTION1 PFK	22.57	4.595e3					0.6	NO		bb		
9	FUNCTION1 PFK	22.39	5.243e3					0.7	NO		bb		
10	FUNCTION1 PFK	22.24	9.175e3					0.8	NO		bb		
11	FUNCTION1 PFK	21.91	1.543e4					1.1	NO		bb		
12	FUNCTION1 PFK	21.84	7.628e3					0.8	NO		bb		
13	FUNCTION1 PFK	21.45	1.562e4					1.1	NO		db		
14	FUNCTION1 PFK	21.41	1.635e4					1.1	NO		bd		
15	FUNCTION1 PFK	21.21	1.458e4					1.1	NO		bb		
16	FUNCTION1 PFK	27.38	4.436e3					0.6	NO		bb		
17	FUNCTION1 PFK	27.06	1.245e4					0.9	NO		bb		
18	FUNCTION1 PFK	26.99	4.230e4					1.3	NO		bb		
19	FUNCTION1 PFK	26.82	3.704e4					1.7	NO		bb		
20	FUNCTION1 PFK	25.99	2.107e4					1.2	NO		db		
21	FUNCTION1 PFK	25.94	3.170e4					1.5	NO		bd		
22	FUNCTION1 PFK	25.85	2.591e4					1.2	NO		bb		
23	FUNCTION1 PFK	25.69	3.459e3					0.4	NO		bb		
24	FUNCTION1 PFK	24.81	6.212e3					0.6	NO		bb		
25	FUNCTION1 PFK	24.48	8.128e3					0.7	NO		bb		
26	FUNCTION1 PFK	24.02	1.443e4					1.0	NO		bb		
27	FUNCTION1 PFK	23.92	1.011e4					0.6	NO		bb		

PFK2

	Compound	RT	Ion1Area	Ion2Area	RRF	Ratio	Pred R	S/N 1	SNFlag	EMPC	Int.1	Int.2	pg
1	FUNCTION2 PFK	30.07	1.520e4					1.3	NO		bb		0.000
2	FUNCTION2 PFK	29.55	1.361e3					0.5	NO		bb		0.000
3	FUNCTION2 PFK	28.66	1.665e4					1.7	NO		bb		0.000
4	FUNCTION2 PFK	31.51	1.155e4					1.0	NO		bb		0.000

ID: BKL0420-BS1, Name: 23020724, Date: 08-Feb-2023, Time: 04:10:27, Conditions: AUTOSPEC01, User: pk

PFK3

	Compound	RT	Ion1Area	Ion2Area	RRF	Ratio	Pred R	S/N 1	SNFlag	EMPC	Int.1	Int.2	pg
1													

PFK4

	Compound	RT	Ion1Area	Ion2Area	RRF	Ratio	Pred R	S/N 1	SNFlag	EMPC	Int.1	Int.2	pg
1													

PFK5

	Compound	RT	Ion1Area	Ion2Area	RRF	Ratio	Pred R	S/N 1	SNFlag	EMPC	Int.1	Int.2	pg
1	FUNCTION5 PFK	44.54	1.512e3					1.0	NO		bb		
2	FUNCTION5 PFK	44.42	3.646e3					1.5	NO		db		
3	FUNCTION5 PFK	44.37	7.333e3					1.8	NO		dd		
4	FUNCTION5 PFK	44.33	3.061e3					1.4	NO		bd		
5	FUNCTION5 PFK	44.26	4.079e2					0.4	NO		bb		
6	FUNCTION5 PFK	44.22	1.904e3					0.9	NO		bb		
7	FUNCTION5 PFK	44.16	1.801e3					0.7	NO		bb		
8	FUNCTION5 PFK	44.01	2.235e3					1.0	NO		bb		
9	FUNCTION5 PFK	43.96	7.694e2					0.5	NO		bb		
10	FUNCTION5 PFK	43.80	5.377e3					1.0	NO		bb		
11	FUNCTION5 PFK	43.20	1.475e4					2.8	NO		bb		
12	FUNCTION5 PFK	43.14	3.494e3					1.3	NO		bb		
13	FUNCTION5 PFK	46.47	3.900e3					1.5	NO		bb		
14	FUNCTION5 PFK	46.13	2.142e3					0.7	NO		bb		
15	FUNCTION5 PFK	46.01	7.008e2					0.5	NO		bb		
16	FUNCTION5 PFK	45.72	2.679e3					1.3	NO		db		
17	FUNCTION5 PFK	45.69	6.022e3					1.6	NO		bd		
18	FUNCTION5 PFK	45.59	1.531e3					0.8	NO		bb		
19	FUNCTION5 PFK	45.50	1.920e3					0.9	NO		bb		
20	FUNCTION5 PFK	45.37	1.983e3					0.8	NO		bb		
21	FUNCTION5 PFK	45.05	1.598e3					0.7	NO		bb		
22	FUNCTION5 PFK	44.87	2.265e3					0.9	NO		bb		
23	FUNCTION5 PFK	44.78	4.729e3					1.4	NO		bb		
24	FUNCTION5 PFK	44.74	3.468e3					0.9	NO		bb		

ID: BKL0420-BS1, Name: 23020724, Date: 08-Feb-2023, Time: 04:10:27, Conditions: AUTOSPEC01, User: pk

ETHERS1

	Compound	RT	Ion1Area	Ion2Area	RRF	Ratio	Pred R	S/N 1	SNFlag	EMPC	Int.1	Int.2	pg
1	FUNCTION1 HXCD...	22.42	1.634e2					2.0	NO		bd		0.000
2	FUNCTION1 HXCD...	21.72	7.425e1					1.1	NO		bb		0.000
3	FUNCTION1 HXCD...	21.33	1.045e2					2.0	NO		bb		0.000
4	FUNCTION1 HXCD...	25.50	7.390e1					3.4	YES		bb		0.000
5	FUNCTION1 HXCD...	22.56	8.650e1					4.0	YES		db		0.000

ETHERS2

	Compound	RT	Ion1Area	Ion2Area	RRF	Ratio	Pred R	S/N 1	SNFlag	EMPC	Int.1	Int.2	pg
1	FUNCTION1 HPCD...	26.99	8.722e1					2.1	NO		bb		0.000
2	FUNCTION1 HPCD...	26.67	7.291e1					1.8	NO		db		0.000
3	FUNCTION1 HPCD...	26.50	1.108e2					2.2	NO		bd		0.000
4	FUNCTION1 HPCD...	24.79	1.037e2					2.1	NO		db		0.000
5	FUNCTION1 HPCD...	24.73	8.819e1					2.5	NO		bd		0.000
6	FUNCTION1 HPCD...	21.77	8.064e1					2.8	NO		db		0.000
7	FUNCTION1 HPCD...	21.71	9.103e1					2.9	NO		dd		0.000
8	FUNCTION1 HPCD...	21.62	9.336e1					2.8	NO		bd		0.000

ETHERS3

	Compound	RT	Ion1Area	Ion2Area	RRF	Ratio	Pred R	S/N 1	SNFlag	EMPC	Int.1	Int.2	pg
1													

ETHERS4

	Compound	RT	Ion1Area	Ion2Area	RRF	Ratio	Pred R	S/N 1	SNFlag	EMPC	Int.1	Int.2	pg
1	FUNCTION3 OCDPE	36.61	8.882e1					3.5	YES		bb		0.000
2	FUNCTION3 OCDPE	34.19	9.086e1					2.2	NO		db		0.000
3	FUNCTION3 OCDPE	34.08	1.027e2					1.8	NO		bd		0.000
4	FUNCTION3 OCDPE	37.35	1.015e2					7.0	YES		bb		0.000

ID: BKL0420-BS1, Name: 23020724, Date: 08-Feb-2023, Time: 04:10:27, Conditions: AUTOSPEC01, User: pk

ETHERS5

	Compound	RT	Ion1Area	Ion2Area	RRF	Ratio	Pred R	S/N 1	SNFlag	EMPC	Int.1	Int.2	pg
1	FUNCTION4 NCDPE	42.65	1.185e2					2.2	NO		bb		0.000
2	FUNCTION4 NCDPE	41.60	1.029e2					2.2	NO		bb		0.000
3	FUNCTION4 NCDPE	41.33	1.700e2					2.6	NO		bb		0.000
4	FUNCTION4 NCDPE	38.37	8.597e1					4.1	YES		bb		0.000

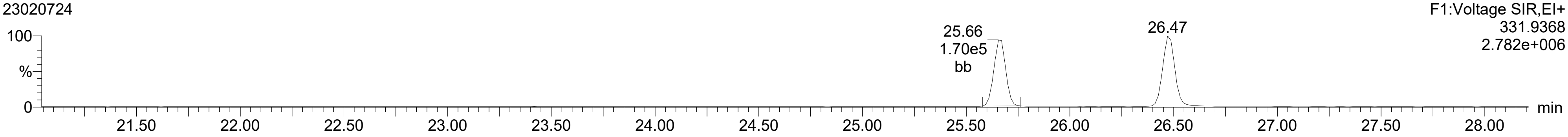
ETHERS6

	Compound	RT	Ion1Area	Ion2Area	RRF	Ratio	Pred R	S/N 1	SNFlag	EMPC	Int.1	Int.2	pg
1	FUNCTION5 DCDPE	46.07	7.108e1					2.5	NO		bb		0.000
2	FUNCTION5 DCDPE	45.30	7.670e1					2.8	NO		bb		0.000

Method: T:\Autospec\Methods\Dioxin230206.mdb 07 Feb 2023 09:29:10
Calibration: T:\Autospec\Curves\230201ICIH.cdb 03 Feb 2023 10:33:40

ID: BKL0420-BS1, Name: 23020724, Date: 08-Feb-2023, Time: 04:10:27, Conditions: AUTOSPEC01, User: pk

13C-1234-TCDD



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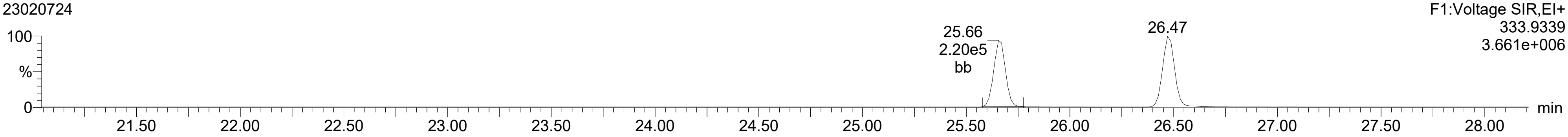
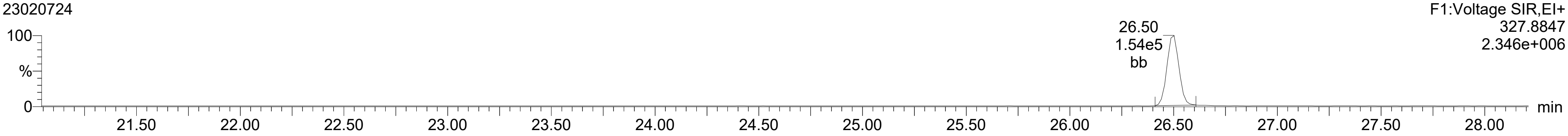


37CL-2378-TCDD



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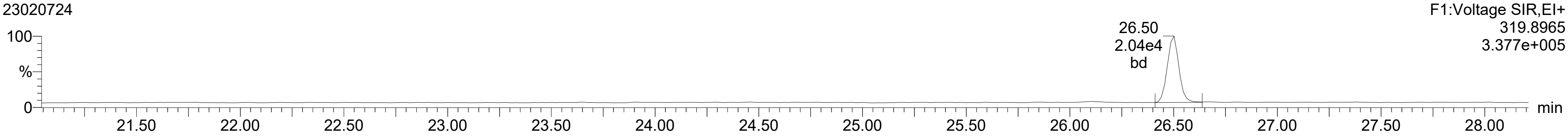
2378-TCDD



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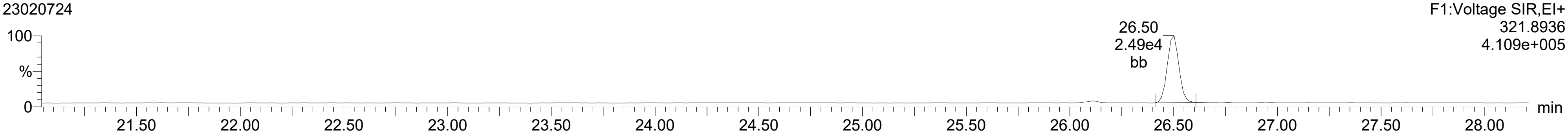

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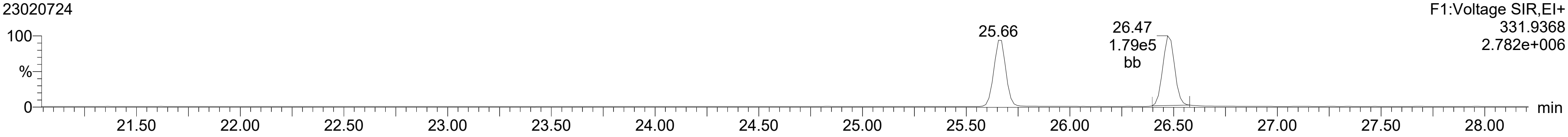

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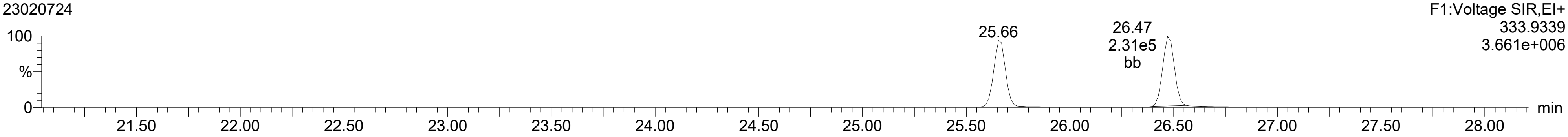

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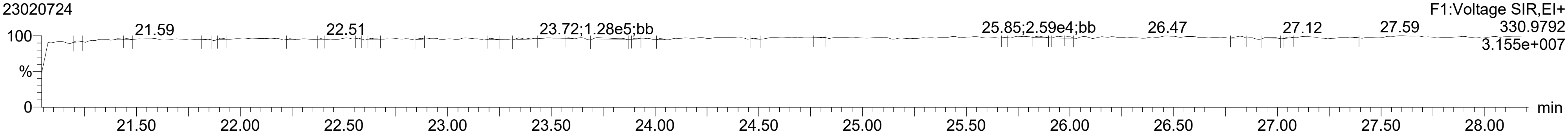

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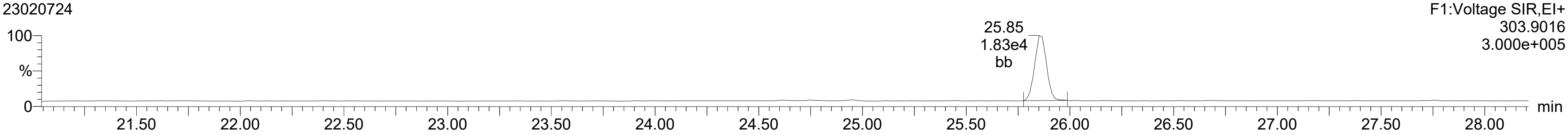

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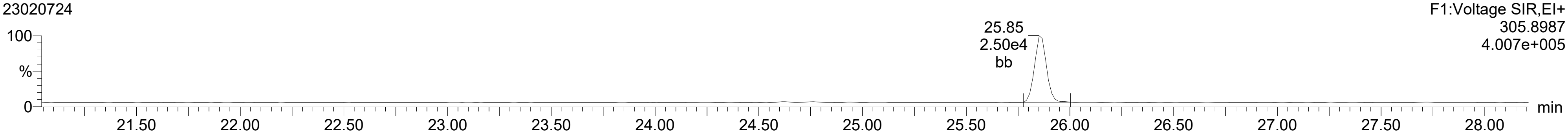

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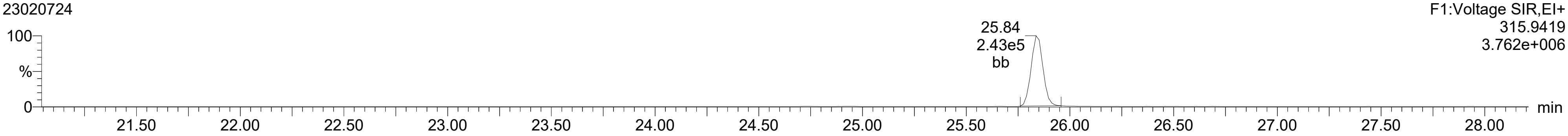

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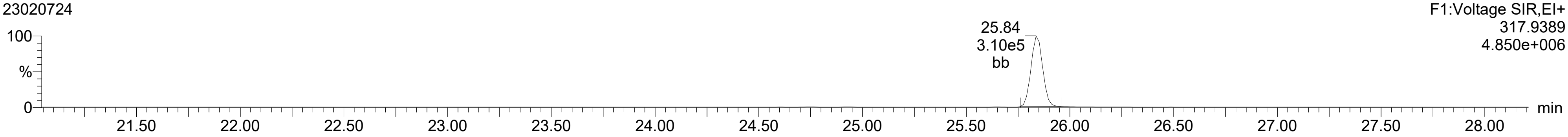

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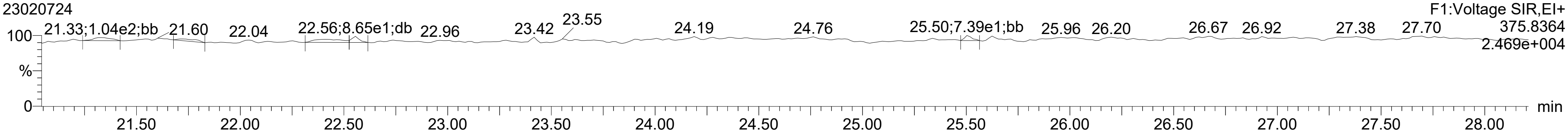

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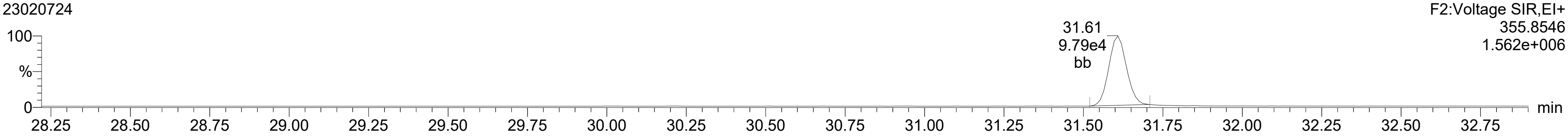
12378-PeCDD



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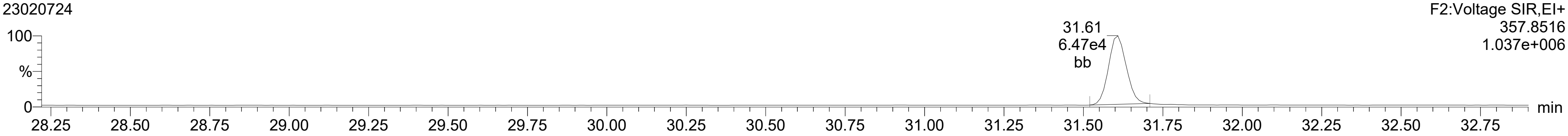

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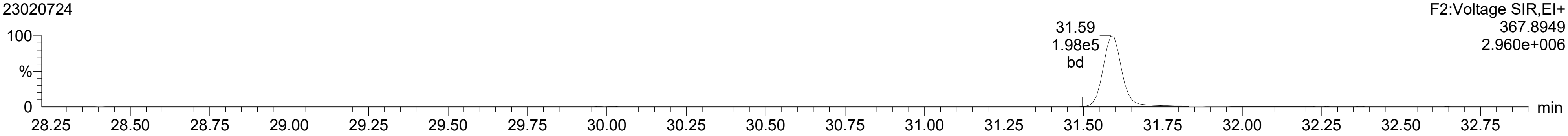

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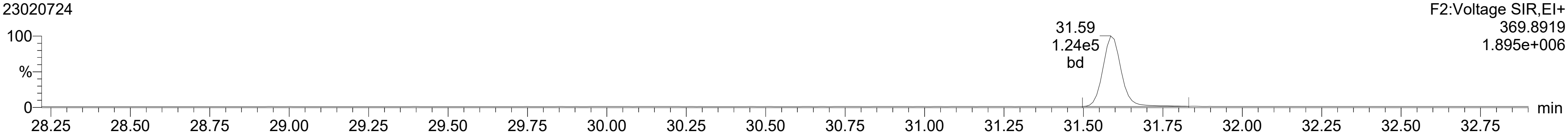

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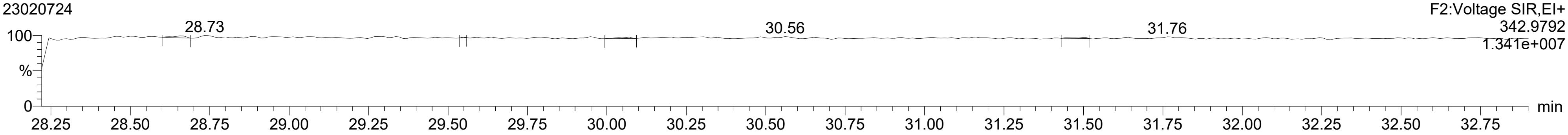

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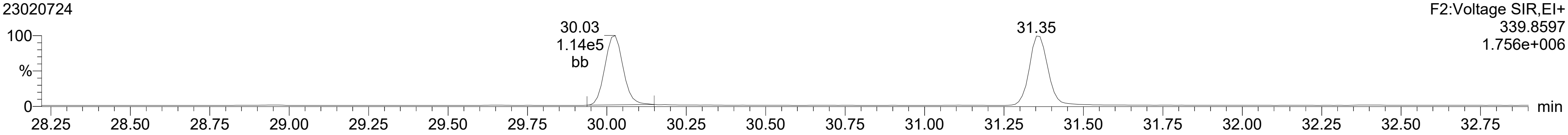

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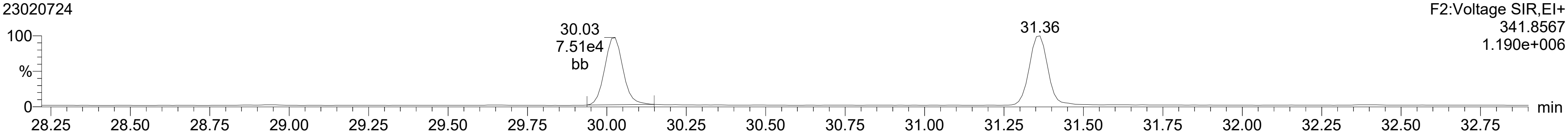

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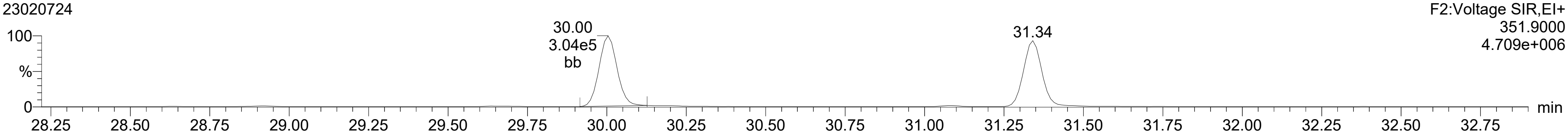

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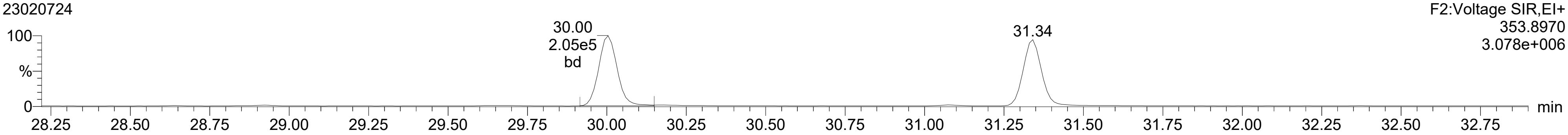

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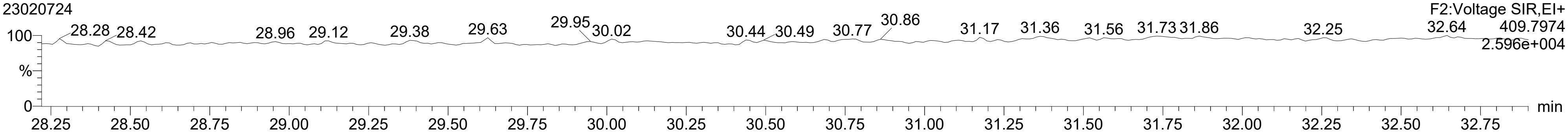

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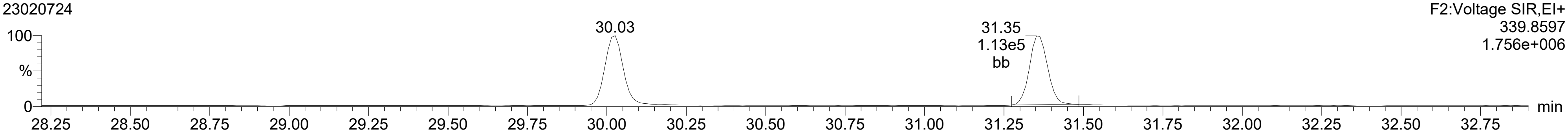

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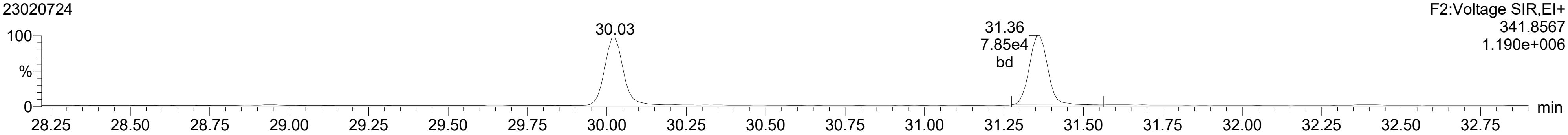

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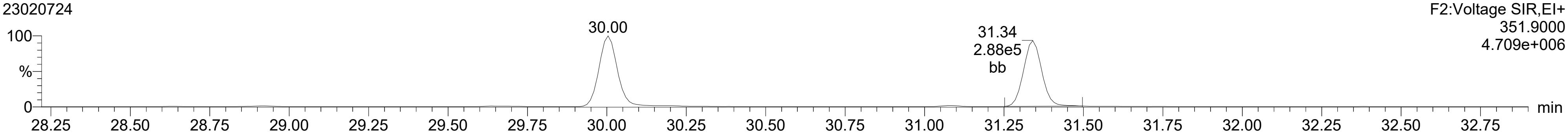

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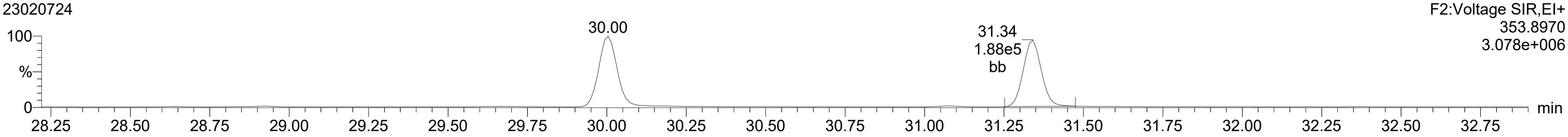

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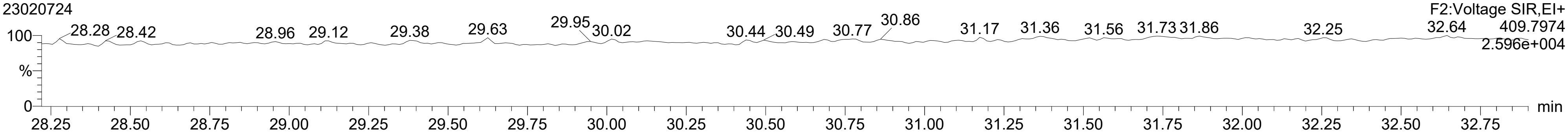

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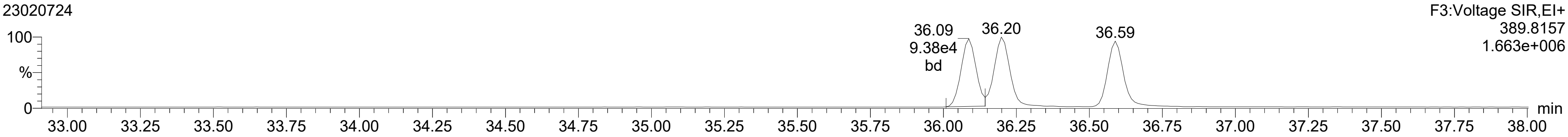
123478-HxCDD



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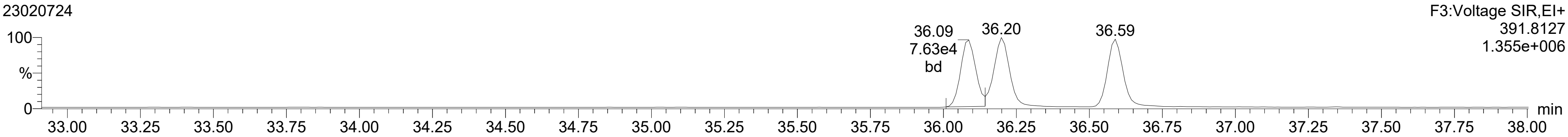

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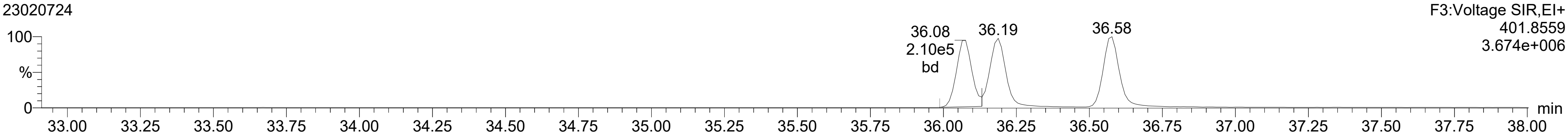

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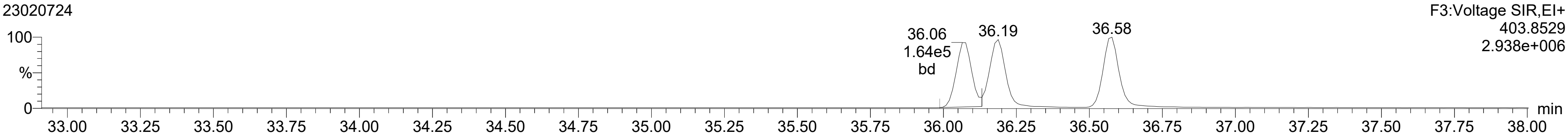

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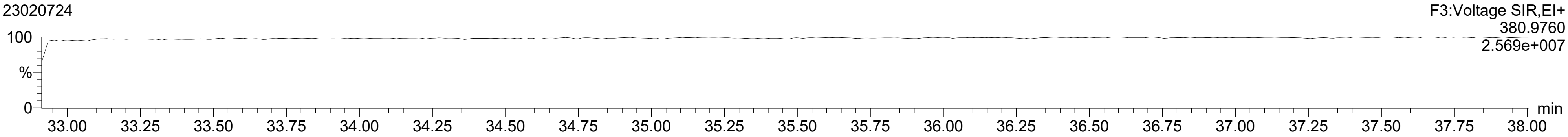

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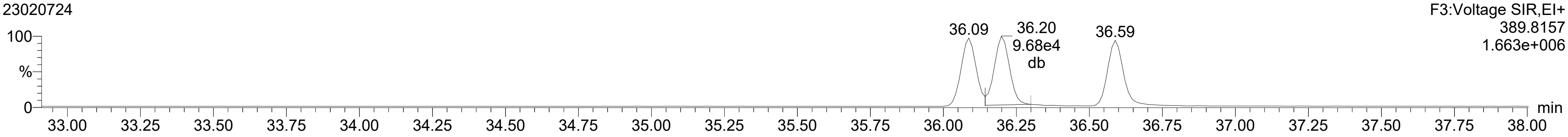

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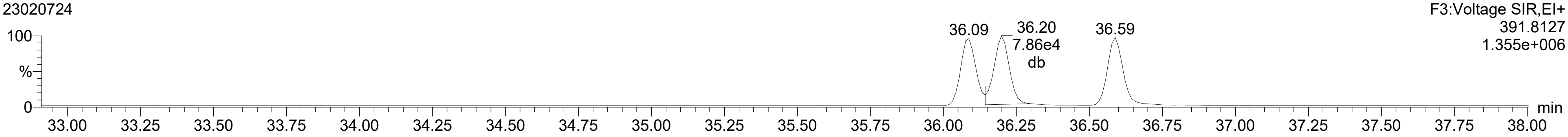

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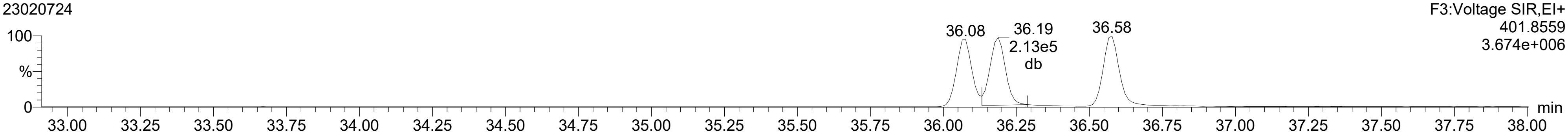

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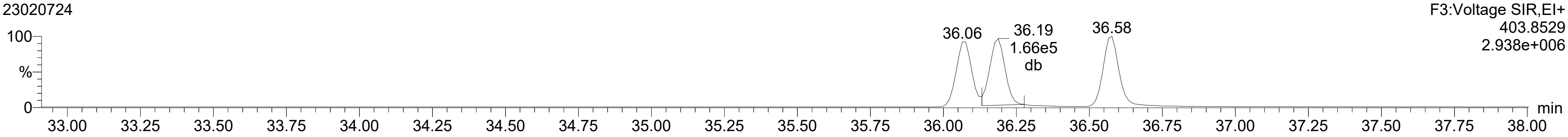

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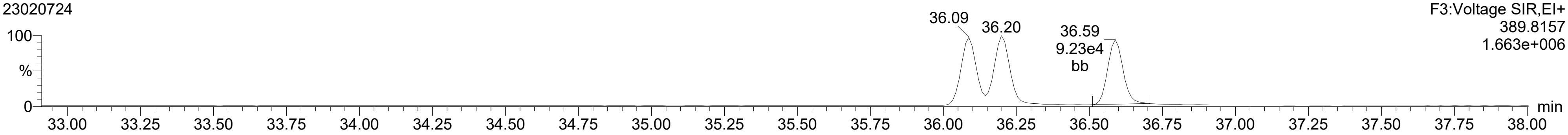

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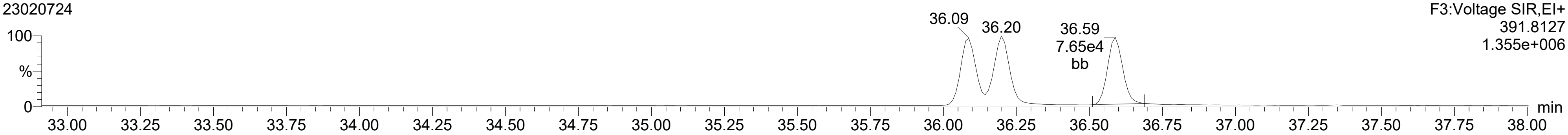

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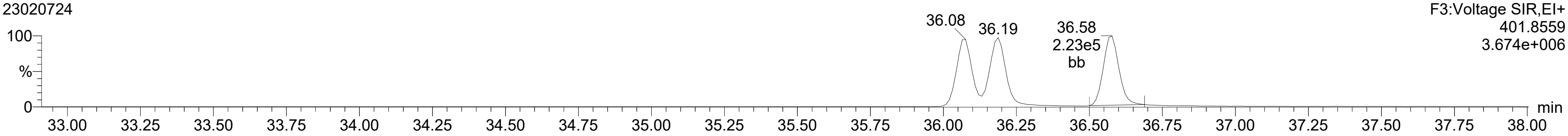

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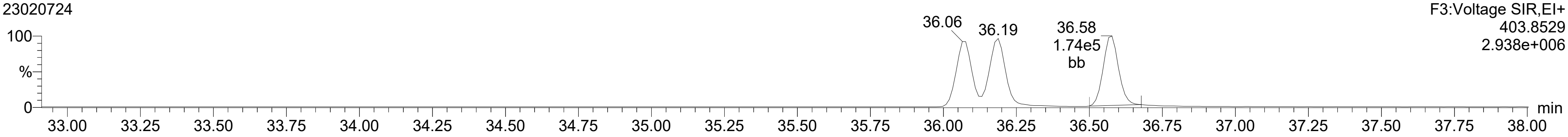

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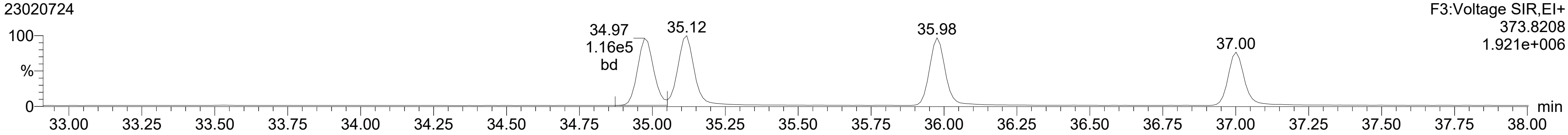

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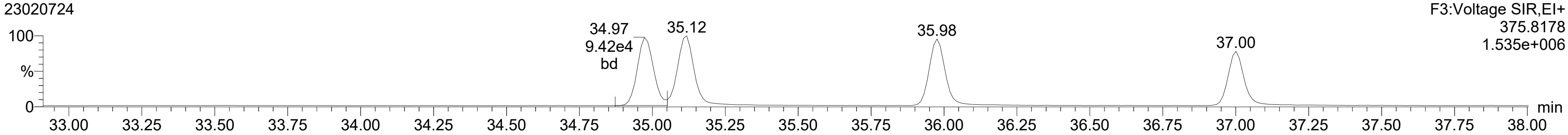

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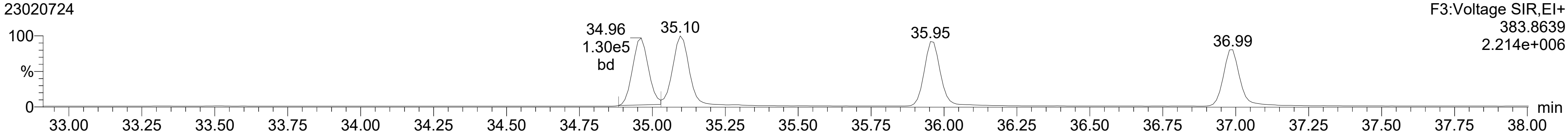

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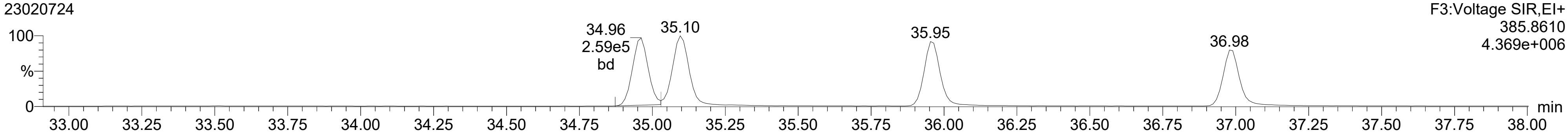
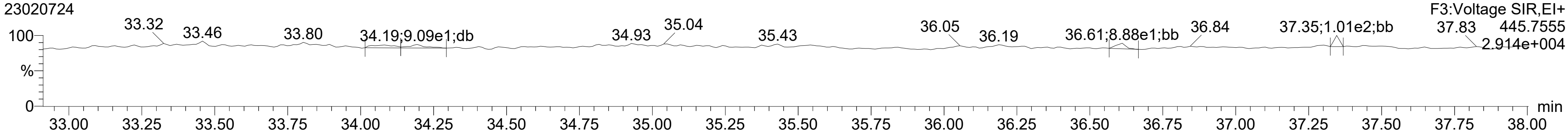


FUNCTION3 OCDPE



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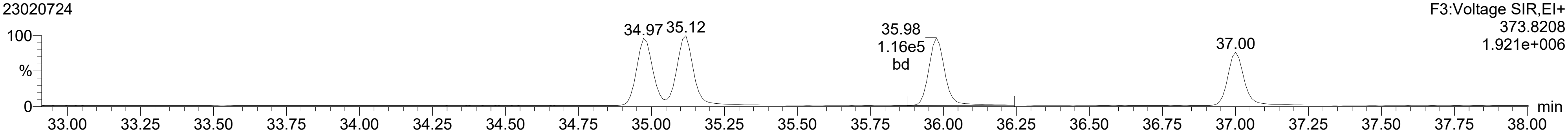

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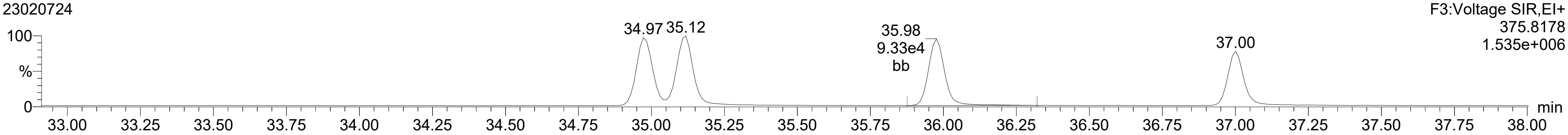

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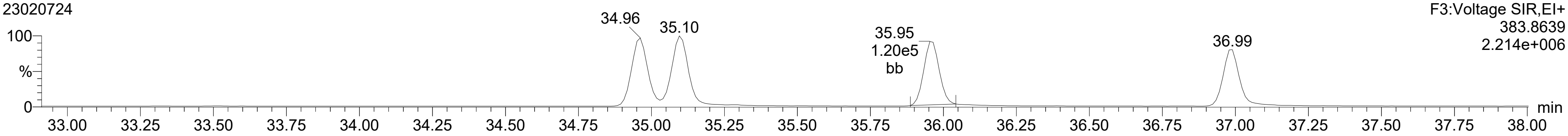

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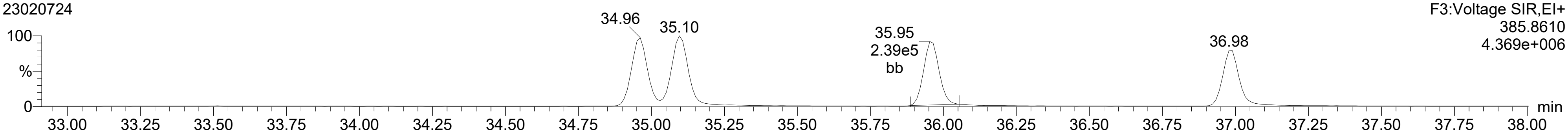

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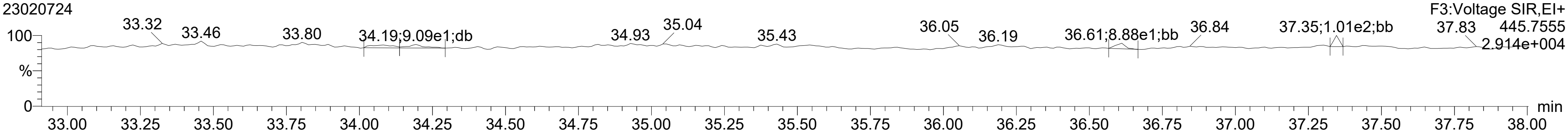

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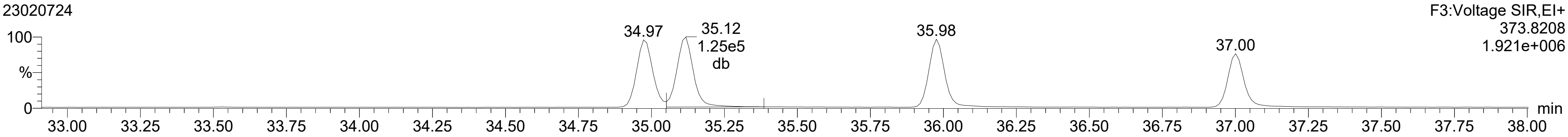

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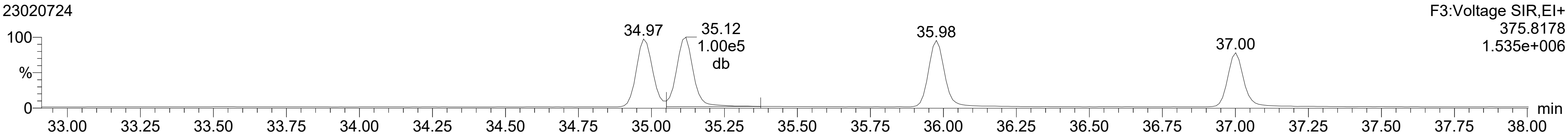

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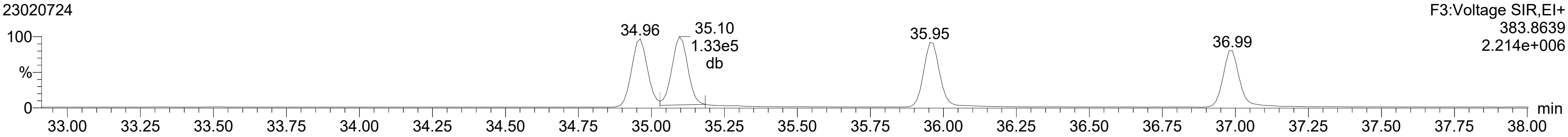

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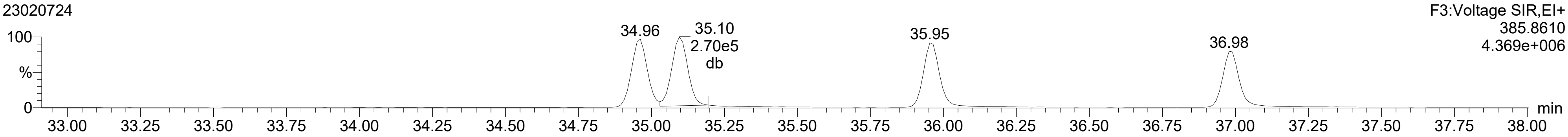

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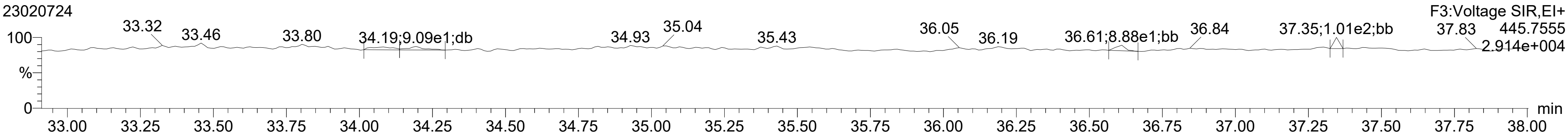

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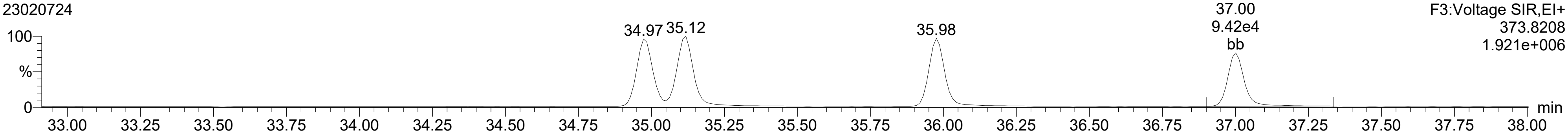
123789-HxCDF



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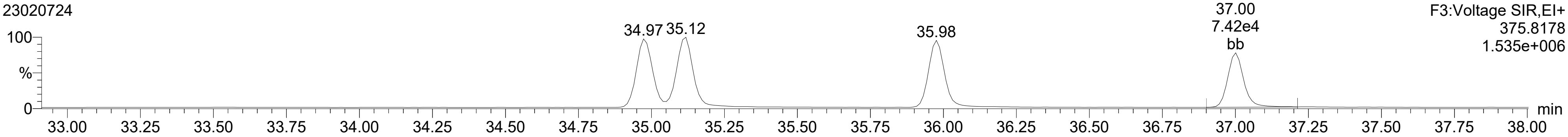

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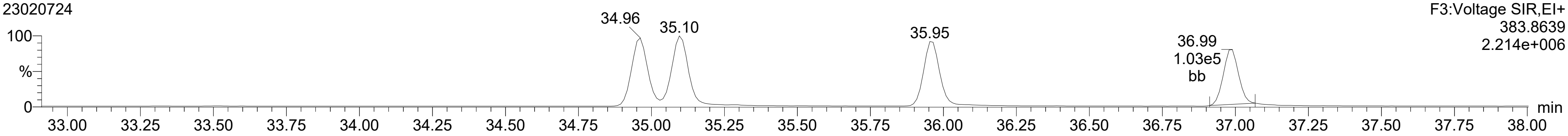

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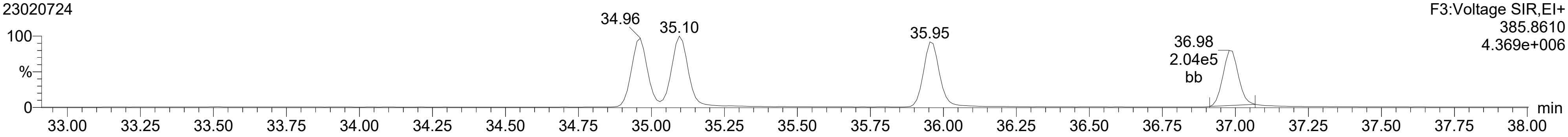

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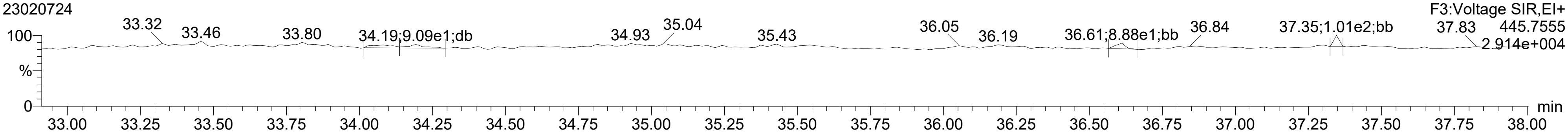

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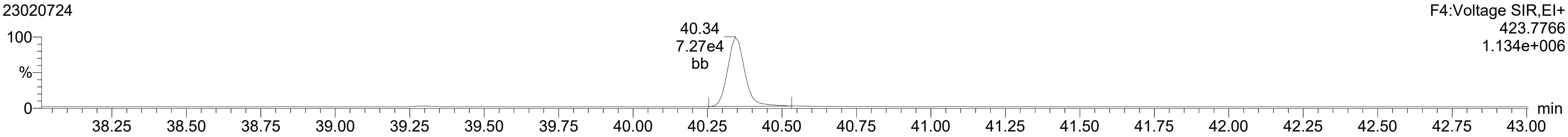
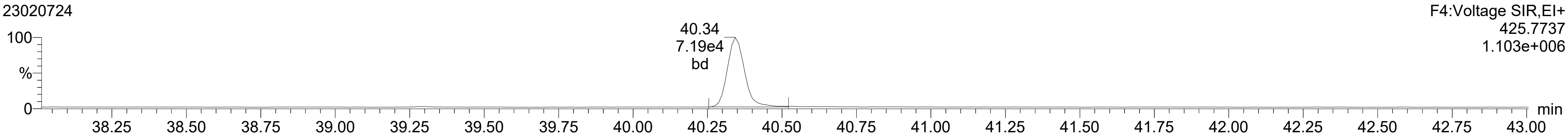
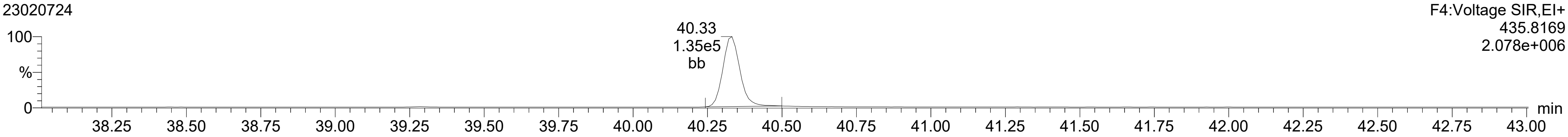
1234678-HpCDD



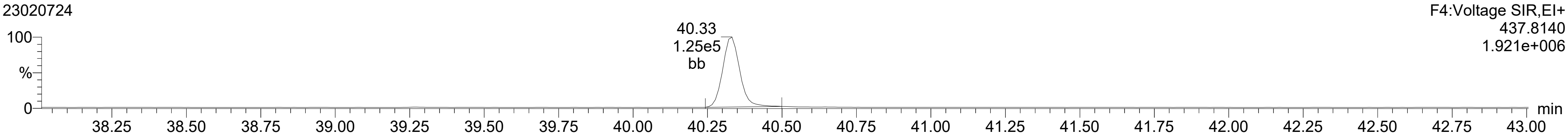
1234678-HpCDD



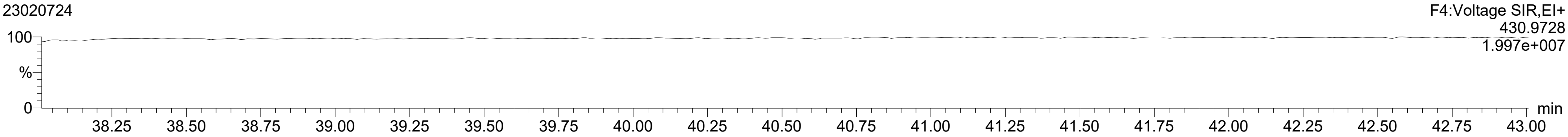
13C-1234678-HpCDD



13C-1234678-HpCDD

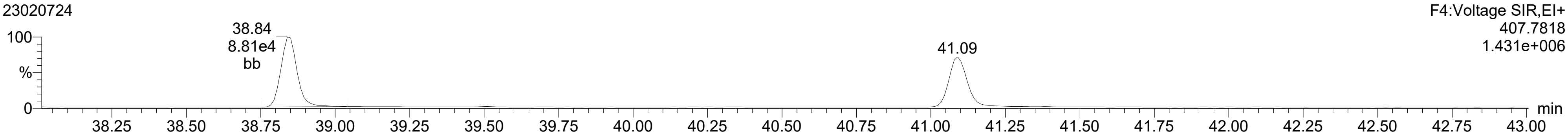


FUNCTION4 PFK



ID: BKL0420-BS1, Name: 23020724, Date: 08-Feb-2023, Time: 04:10:27, Conditions: AUTOSPEC01, User: pk

1234678-HpCDF



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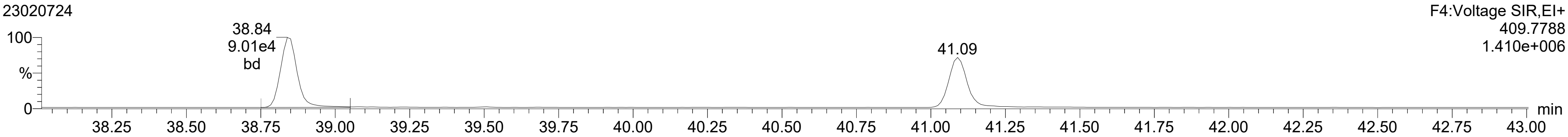

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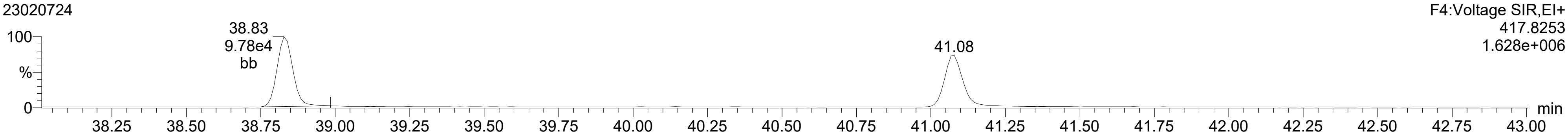

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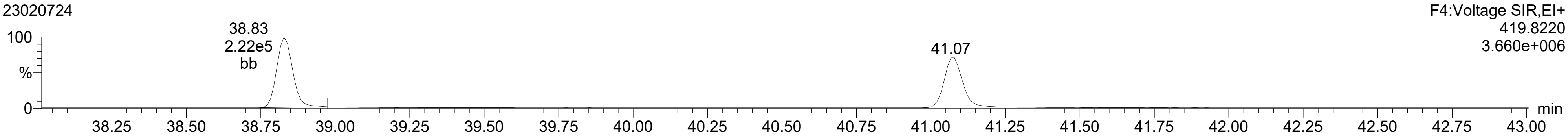
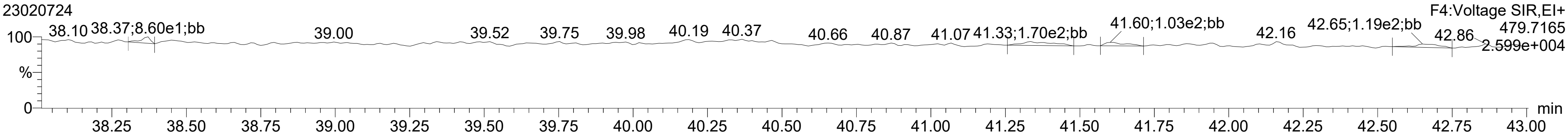
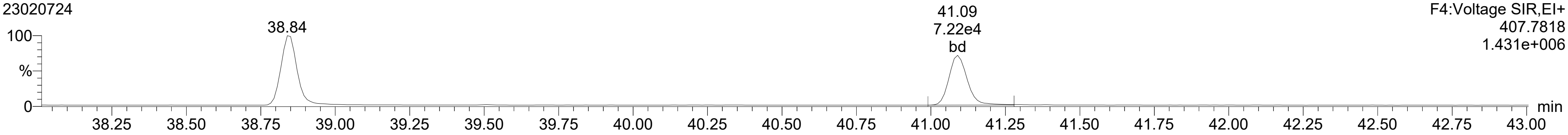


FUNCTION4 NCDPE

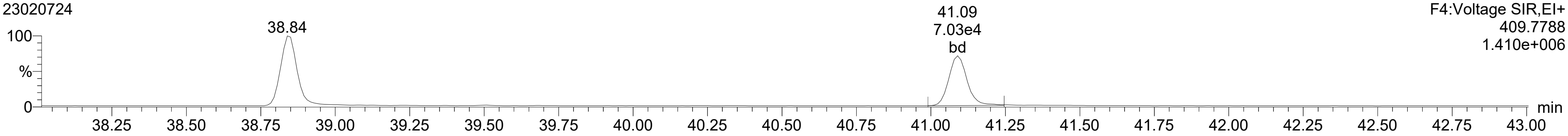


ID: BKL0420-BS1, Name: 23020724, Date: 08-Feb-2023, Time: 04:10:27, Conditions: AUTOSPEC01, User: pk

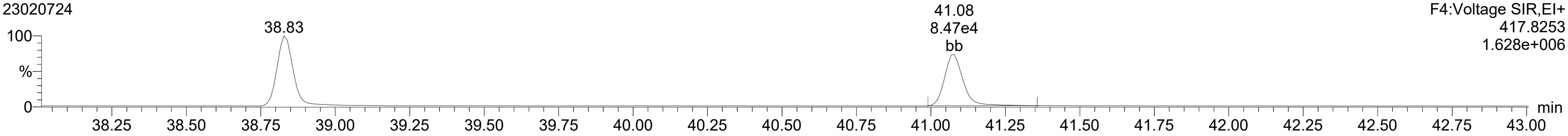
1234789-HpCDF



1234789-HpCDF



13C-1234789-HpCDF



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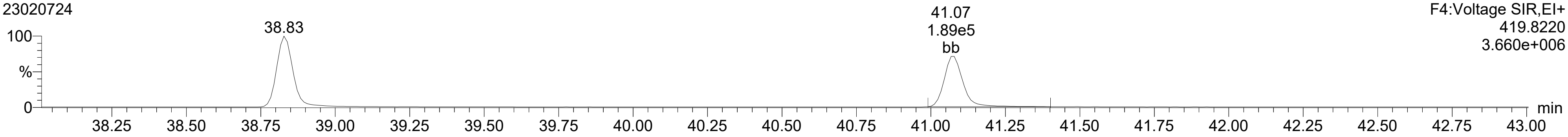
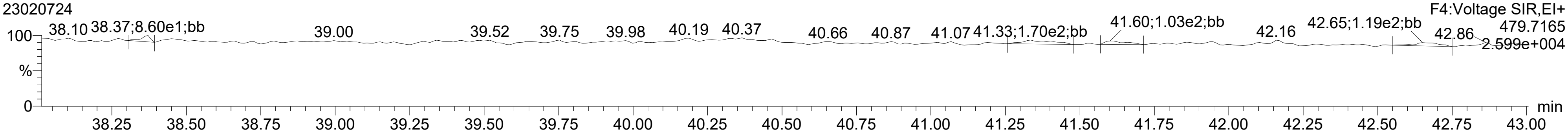
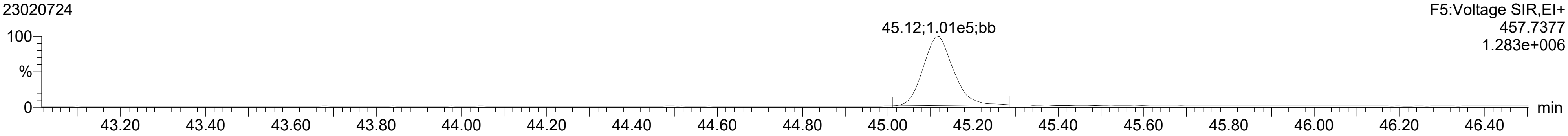


FUNCTION4 NCDPE

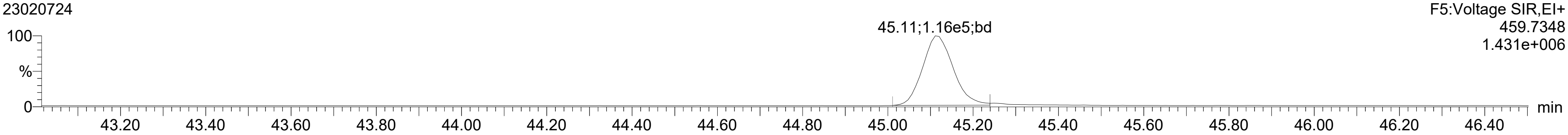


ID: BKL0420-BS1, Name: 23020724, Date: 08-Feb-2023, Time: 04:10:27, Conditions: AUTOSPEC01, User: pk

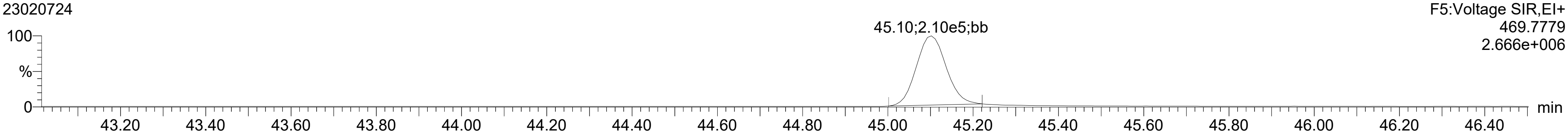
OCDD



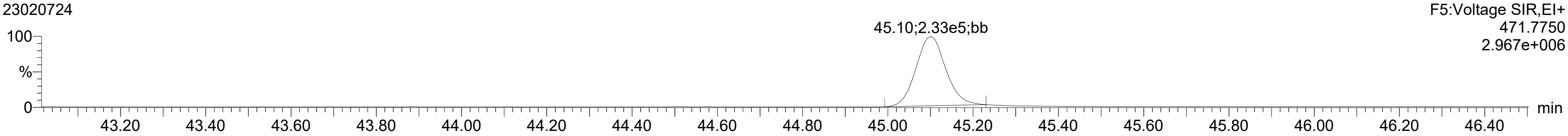
OCDD



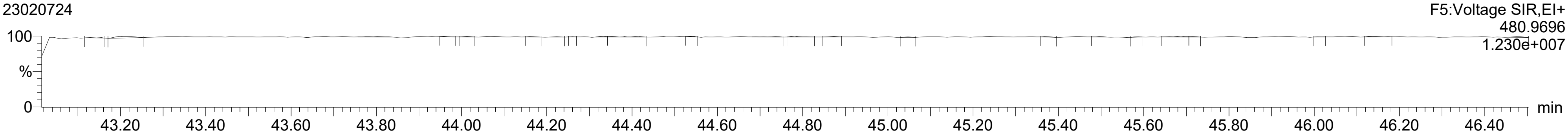
13C-OCDD



13C-OCDD

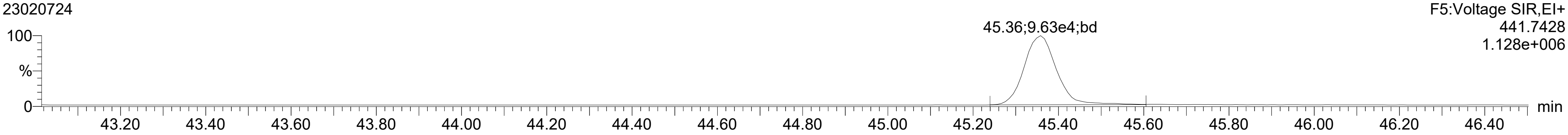


FUNCTION5 PFK

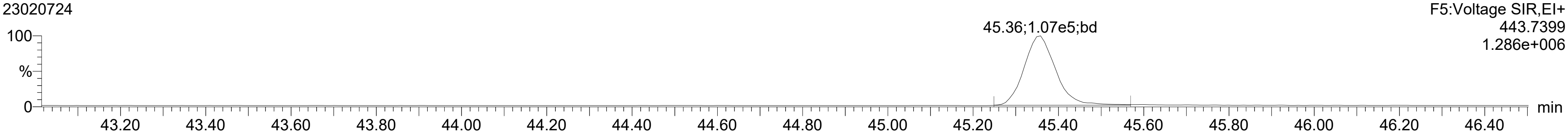


ID: BKL0420-BS1, Name: 23020724, Date: 08-Feb-2023, Time: 04:10:27, Conditions: AUTOSPEC01, User: pk

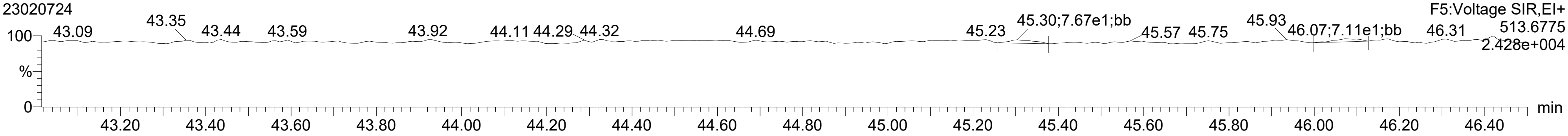
OCDF



OCDF

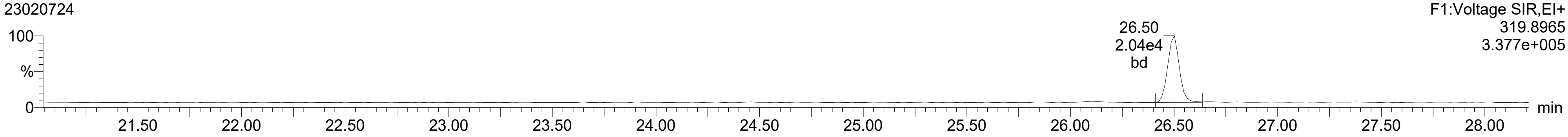


FUNCTION5 DCDPE

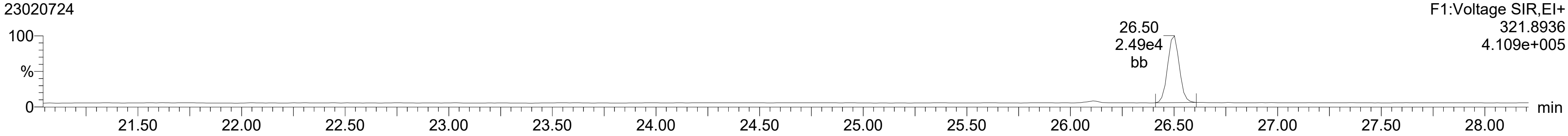


ID: BKL0420-BS1, Name: 23020724, Date: 08-Feb-2023, Time: 04:10:27, Conditions: AUTOSPEC01, User: pk

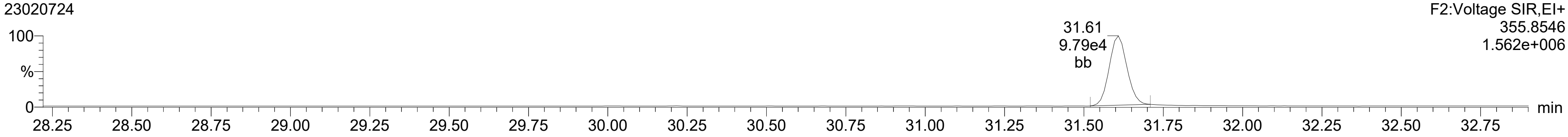
Total-tetradioxins



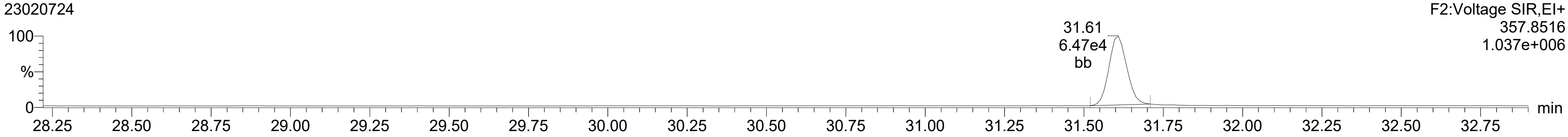
Total-tetradioxins



Total-pentadioxins

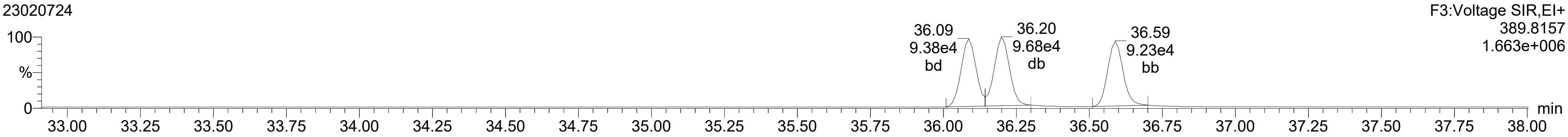


Total-pentadioxins



ID: BKL0420-BS1, Name: 23020724, Date: 08-Feb-2023, Time: 04:10:27, Conditions: AUTOSPEC01, User: pk

Total-hexadioxins



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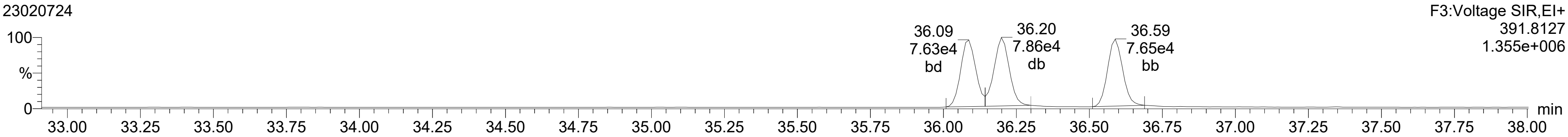
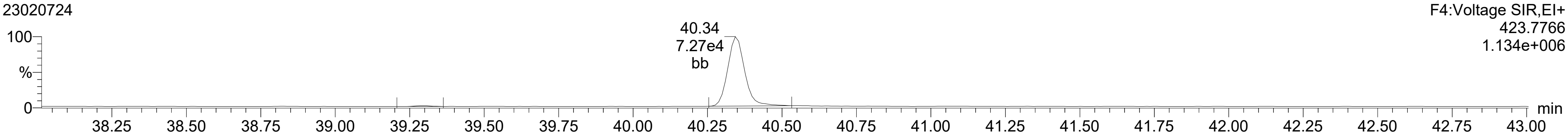
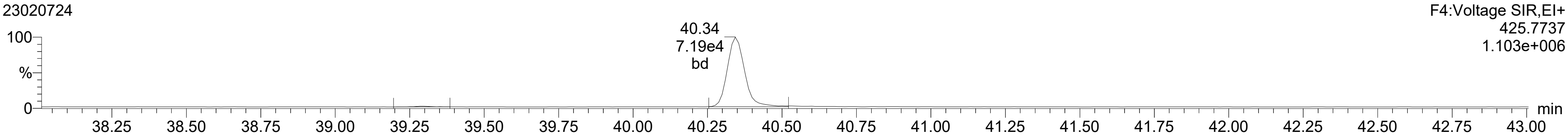


Total-heptadioxins

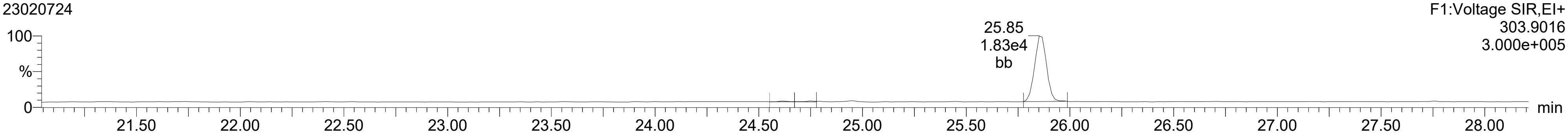


Total-heptadioxins

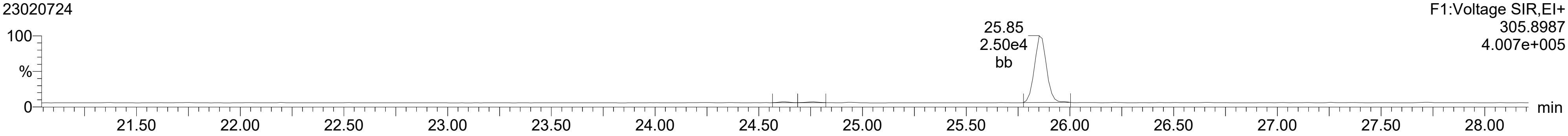


ID: BKL0420-BS1, Name: 23020724, Date: 08-Feb-2023, Time: 04:10:27, Conditions: AUTOSPEC01, User: pk

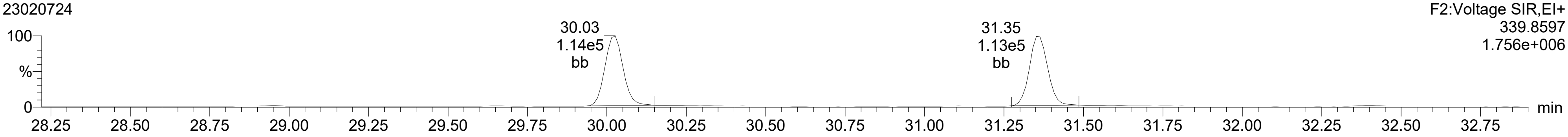
Total-tetrafurans



Total-tetrafurans



Total-pentafurans



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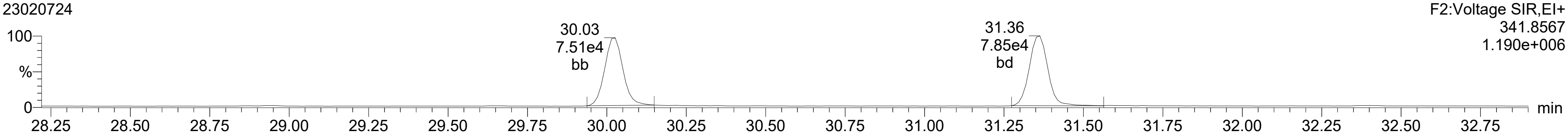

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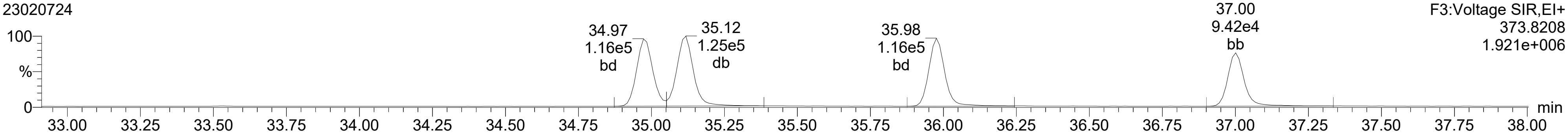

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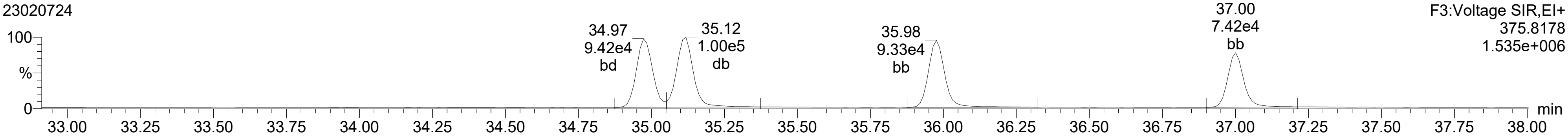
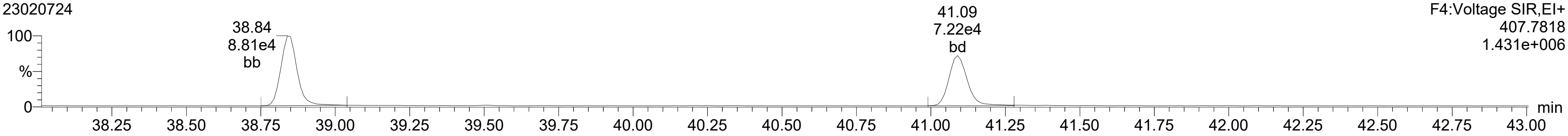
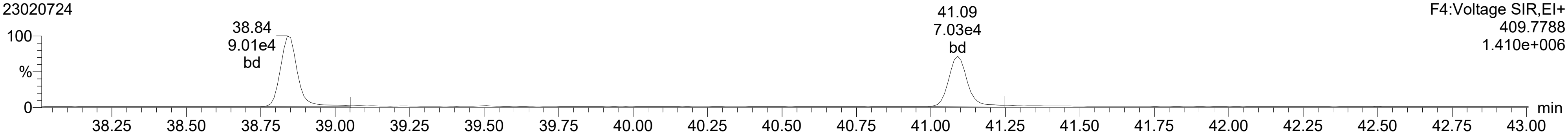


Total-heptafurans



Total-heptafurans



DUPLICATES

EPA 1613B

Laboratory:	Analytical Resources, LLC	SDG:	22L0307
Client:	Anchor QEA, LLC	Project:	AOC4 UR Phase 3
Matrix:	Solid	Laboratory ID:	BKL0420-DUP1
Batch:	BKL0420	Lab Source ID:	22L0307-29
Preparation:	EPA 8290	Initial/Final:	18.1 g / 20 uL
Source Sample Name:	LDW22-IT808A	% Solids:	55.27

ANALYTE	CONTROL LIMIT	SAMPLE CONCENTRATION	DUPLICATE CONCENTRATION	RPD %	Q
2,3,7,8-TCDF	25	1.14	1.19	4.06	
2,3,7,8-TCDD	25	0.422	0.455	7.34	
1,2,3,7,8-PeCDF	25	0.700	0.759	8.11	
2,3,4,7,8-PeCDF	25	1.56	1.43	8.42	
1,2,3,7,8-PeCDD	25	1.33	1.27	4.75	
1,2,3,4,7,8-HxCDF	25	6.90	6.69	3.12	
1,2,3,6,7,8-HxCDF	25	1.92	2.14	10.7	
2,3,4,6,7,8-HxCDF	25	2.94	2.78	5.56	
1,2,3,7,8,9-HxCDF	25	1.47	1.26	15.7	
1,2,3,4,7,8-HxCDD	25	1.37	1.38	0.769	
1,2,3,6,7,8-HxCDD	25	5.61	5.50	2.09	
1,2,3,7,8,9-HxCDD	25	3.11	3.48	11.3	
1,2,3,4,6,7,8-HpCDF	25	37.5	32.9	13.0	
1,2,3,4,7,8,9-HpCDF	25	4.22	3.97	6.19	
1,2,3,4,6,7,8-HpCDD	25	159	128	21.7	
OCDF	25	136	79.6	52.0	*
OCDD	25	1670	1030	47.2	*
Total TCDF	200	13.9	17.3	22.2	
Total TCDD	200	1.25	3.23	88.4	
Total PeCDF	200	22.2	21.0	5.54	
Total PeCDD	200	3.82	4.72	21.0	
Total HxCDF	200	57.0	59.0	3.40	
Total HxCDD	200	46.9	46.6	0.588	
Total HpCDF	200	150	116	25.3	
Total HpCDD	200	357	291	20.2	
13C12-2,3,7,8-TCDF		154	186		
13C12-2,3,7,8-TCDD		187	224		

* Values outside of QC limits

L Analyte concentration is <=5 times the reporting limit and the replicate control limit defaults to +/- RL instead of 20% RPD

LDW22-IT808A

DUPLICATES
EPA 1613B

Laboratory:	Analytical Resources, LLC	SDG:	22L0307
Client:	Anchor QEA, LLC	Project:	AOC4 UR Phase 3
Matrix:	Solid	Laboratory ID:	BKL0420-DUP1
Batch:	BKL0420	Lab Source ID:	22L0307-29
Preparation:	EPA 8290	Initial/Final:	18.1 g / 20 uL
Source Sample Name:	LDW22-IT808A	% Solids:	55.27

ANALYTE	CONTROL LIMIT	SAMPLE CONCENTRATION	DUPLICATE CONCENTRATION	RPD %	Q
13C12-1,2,3,7,8-PeCDF		161	211		
13C12-2,3,4,7,8-PeCDF		158	207		
13C12-1,2,3,7,8-PeCDD		175	232		
13C12-1,2,3,4,7,8-HxCDF		170	219		
13C12-1,2,3,6,7,8-HxCDF		171	218		
13C12-2,3,4,6,7,8-HxCDF		169	221		
13C12-1,2,3,7,8,9-HxCDF		168	224		
13C12-1,2,3,4,7,8-HxCDD		187	243		
13C12-1,2,3,6,7,8-HxCDD		181	240		
13C12-1,2,3,4,6,7,8-HpCDF		134	177		
13C12-1,2,3,4,7,8,9-HpCDF		132	172		
13C12-1,2,3,4,6,7,8-HpCDD		145	191		
13C12-OCDD		247	317		
37Cl4-2,3,7,8-TCDD		71.3	73.1		

*: Values outside of QC limits
L: Analyte concentration is <=5 times the reporting limit and the replicate control limit defaults to Dup = +/- RL instead of 20% RPD

Quantify Sample Summary Report **MassLynx MassLynx V4.1 SCN909**
Dataset: T:\Autospec\Processed Data Batch\230207D2.qld
Last Altered: Wednesday, February 08, 2023 13:13:24 Pacific Standard Time
Printed: Wednesday, February 08, 2023 13:16:23 Pacific Standard Time

Method: T:\Autospec\Methods\Dioxin230206.mdb 07 Feb 2023 09:29:10
Calibration: T:\Autospec\Curves\230201ICIH.cdb 03 Feb 2023 10:33:40

ID: BKL0420-DUP1, Name: 23020726, Date: 08-Feb-2023, Time: 05:49:21, Conditions: AUTOSPEC01, User: pk

Compound	RT	RRT	Ion1Area	Ion2Area	RRF	Ratio	Pred R	Noise 1	Noise 2	Height 1	Height 2	S/N 1	S/N 2	EMPC	Int.1	Int.2	pg
2378-TCDF	25.867	1.001	1.438e3	1.822e3	0.876	0.789	0.770	854	1348	2.49e4	2.96e4	29.2	21.9	NO	bd	bd	0.593
12378-PeCDF	30.026	1.000	1.240e3	7.355e2	0.845	1.686	1.550	1679	1258	1.97e4	1.12e4	11.7	8.9	NO	bb	MM	0.380
23478-PeCDF	31.363	1.000	2.252e3	1.531e3	0.911	1.471	1.550	1679	1258	3.25e4	2.52e4	19.4	20.0	NO	db	db	0.716
123478-HxCDF	34.984	1.000	1.094e4	8.756e3	1.182	1.249	1.240	910	865	1.72e5	1.38e5	188.6	160.0	NO	dd	dd	3.344
234678-HxCDF	35.953	0.999	4.629e3	3.652e3	1.229	1.267	1.240	910	865	4.91e4	3.98e4	53.9	46.0	NO	bb	bb	1.391
123678-HxCDF	35.129	1.001	3.974e3	2.819e3	1.248	1.410	1.240	910	865	5.45e4	4.32e4	59.9	49.9	NO	dd	db	1.069
123789-HxCDF	36.978	1.000	1.767e3	1.581e3	1.187	1.118	1.240	910	865	2.61e4	2.41e4	28.7	27.9	NO	bb	bb	0.628
1234678-HpCDF	38.850	1.000	3.951e4	3.914e4	1.204	1.009	1.050	1064	1038	6.52e5	6.44e5	612.7	620.5	NO	bd	bb	16.465
1234789-HpCDF	41.100	1.000	3.509e3	4.275e3	1.165	0.821	1.050	1064	1038	5.20e4	6.25e4	48.9	60.2	YES	MM	bb	1.984
OCDF	45.367	1.005	5.932e4	6.818e4	1.186	0.870	0.890	785	944	6.94e5	7.51e5	884.7	796.0	NO	bd	bd	39.824
2378-TCDD	26.517	1.001	5.989e2	7.269e2	1.236	0.824	0.770	862	948	8.73e3	1.16e4	10.1	12.2	NO	MM	bd	0.227
12378-PeCDD	31.619	1.001	1.714e3	1.076e3	1.087	1.593	1.550	1523	1414	2.56e4	1.66e4	16.8	11.7	NO	bb	bb	0.634
123478-HxCDD	36.109	1.000	1.860e3	1.479e3	0.987	1.257	1.240	1341	1662	3.23e4	2.58e4	24.1	15.5	NO	bd	bd	0.690
123678-HxCDD	36.221	1.000	7.558e3	6.496e3	1.021	1.163	1.240	1341	1662	1.28e5	1.05e5	95.3	63.4	NO	dd	dd	2.749
123789-HxCDD	36.610	1.011	4.662e3	3.837e3	0.985	1.215	1.240	1341	1662	7.38e4	6.35e4	55.0	38.2	NO	db	bb	1.740
1234678-HpCDD	40.354	1.001	1.304e5	1.285e5	1.253	1.015	1.050	1762	1801	1.96e6	1.95e6	1111.8	1083.2	NO	bd	bd	63.955
OCDD	45.129	1.000	7.170e5	8.196e5	1.103	0.875	0.890	1265	1981	8.83e6	1.01e7	6981.8	5089.1	NO	bb	bb	516.342
13C-2378-TCDF	25.851	1.007	2.733e5	3.542e5	1.768	0.771	0.770	1814	1161	4.27e6	5.48e6	2352.8	4718.7	NO	bb	bb	92.900
13C-12378-PeCDF	30.015	1.169	3.726e5	2.431e5	1.527	1.533	1.550	1167	1274	5.80e6	3.77e6	4968.9	2963.2	NO	bb	bb	105.539
13C-23478-PeCDF	31.352	1.221	3.524e5	2.273e5	1.466	1.550	1.550	1167	1274	5.42e6	3.51e6	4647.2	2752.1	NO	bb	bb	103.491
13C-123478-HxCDF	34.973	0.956	1.672e5	3.311e5	1.054	0.505	0.510	1167	1372	2.71e6	5.35e6	2319.4	3900.4	NO	bd	bd	109.501
13C-123678-HxCDF	35.106	0.959	1.712e5	3.381e5	1.080	0.507	0.510	1167	1372	2.72e6	5.37e6	2332.8	3917.2	NO	db	db	109.188
13C-234678-HxCDF	35.986	0.983	1.626e5	3.219e5	1.014	0.505	0.510	1167	1372	2.64e6	5.13e6	2263.6	3740.5	NO	bb	bb	110.595
13C-123789-HxCDF	36.989	1.011	1.514e5	2.977e5	0.928	0.509	0.510	1167	1372	2.63e6	5.14e6	2252.9	3749.1	NO	bb	bb	112.039
13C-1234678-HpCDF	38.839	1.061	1.220e5	2.747e5	1.036	0.444	0.440	1458	1440	2.04e6	4.61e6	1400.3	3198.8	NO	bb	bb	88.639
13C-1234789-HpCDF	41.089	1.123	1.015e5	2.352e5	0.905	0.431	0.440	1458	1440	1.46e6	3.35e6	1002.7	2323.8	NO	bb	bd	86.148
13C-1234-TCDD	25.670	0.000	1.684e5	2.137e5	1.000	0.788	0.770	1491	913	2.65e6	3.37e6	1777.0	3691.9	NO	bb	bb	100.000
13C-2378-TCDD	26.486	1.032	2.054e5	2.661e5	1.103	0.772	0.770	1491	913	3.20e6	4.18e6	2147.5	4575.3	NO	bb	bb	111.911
13C-12378-PeCDD	31.597	1.231	2.489e5	1.562e5	0.914	1.593	1.550	1164	711	3.73e6	2.34e6	3202.8	3283.9	NO	bd	bb	115.990
13C-123478-HxCDD	36.098	0.986	2.773e5	2.133e5	0.933	1.300	1.240	1318	1062	4.62e6	3.51e6	3508.5	3301.1	NO	bd	bd	121.736
13C-123678-HxCDD	36.209	0.989	2.811e5	2.198e5	0.965	1.279	1.240	1318	1062	4.60e6	3.63e6	3490.1	3413.1	NO	db	db	120.219
13C-1234678-HpCDD	40.332	1.102	1.627e5	1.604e5	0.782	1.014	1.050	901	1066	2.49e6	2.39e6	2760.4	2239.3	NO	bb	bd	95.664
13C-OCDD	45.120	1.233	2.579e5	2.819e5	0.788	0.915	0.890	1377	805	3.25e6	3.56e6	2360.2	4427.5	NO	bb	bb	158.538
13C-123789-HxCDD	36.599	0.000	2.395e5	1.924e5	1.000	1.245	1.240	1318	1062	3.93e6	3.14e6	2986.2	2952.7	NO	bb	bb	100.000
37CL-2378-TCDD	26.501	1.032	1.723e5		1.233			931		2.66e6		2860.4			bb		36.557

ID: BKL0420-DUP1, Name: 23020726, Date: 08-Feb-2023, Time: 05:49:21, Conditions: AUTOSPEC01, User: pk

Compound	RT	RRT	Ion1Area	Ion2Area	RRF	Ratio	Pred R	Noise 1	Noise 2	Height 1	Height 2	S/N 1	S/N 2	EMPC	Int.1	Int.2	pg
1368-TCDF	22.359	0.865	5.469e2	5.323e2	1.064	1.028	0.770	854	1348	8.63e3	8.59e3	10.1	6.4	YES	bd	bd	0.162
1289-TCDF	27.469	1.063	7.553e2	1.093e3	0.858	0.691	0.770	854	1348	1.37e4	1.68e4	16.0	12.5	NO	db	db	0.343
13468-PECDF					1.013		1.550	897	704								
12389-PECDF					0.844		1.550	1679	1258								
123468-HXCDF	33.324	0.953	7.136e3	5.665e3	1.197	1.260	1.240	910	865	1.15e5	8.92e4	126.0	103.0	NO	bd	bd	2.145
1368-TCDD	23.614	0.892	1.298e3	1.842e3	1.084	0.705	0.770	862	948	2.12e4	2.92e4	24.6	30.9	NO	bb	bb	0.614
1289-TCDD					0.975		0.770	862	948								
12479-PECDD	28.923	0.915	4.296e3	3.478e3	1.837	1.235	1.550	1523	1414	3.93e4	3.62e4	25.8	25.6	YES	MM	MM	1.045
12389-PECDD					1.252		1.550	1523	1414								
124679-HXCDD	34.092	0.944	1.997e4	1.594e4	1.033	1.253	1.240	1341	1662	3.10e5	2.54e5	231.5	153.1	NO	bb	bb	7.087
1234679-HPCDD	39.296	0.974	1.726e5	1.666e5	1.286	1.036	1.050	1762	1801	2.70e6	2.64e6	1534.3	1467.9	NO	bb	bd	81.613
Total-tetrafurans			2.159e4		0.933			854		3.27e5							8.666
Total-penta1			1.775e4					897		2.45e5							5.252
Total-pentafurans			1.616e4		0.866			1679		2.38e5							5.231
Total-hexafurans			9.661e4		1.208			910		1.46e6							29.494
Total-heptafurans			1.309e5		1.185			1064		2.09e6							58.268
Total-Furans			3.423e5		1.067			854		5.06e6							146.736
Total-tetradioxins			3.727e3		1.099			862		5.61e4							1.616
Total-pentadioxins			7.593e3		1.392			1523		1.22e5							2.361
Total-hexadioxins			6.452e4		1.007			1341		9.06e5							23.312
Total-heptadioxins			3.030e5		1.269			1762		4.66e6							145.569
Total-Dioxins			1.096e6		1.165			862		1.46e7							689.200
Total-TEQ			1.438e6					862		1.96e7							835.936
FUNCTION1 PFK			7.261e6					502882		4.36e7							
FUNCTION2 PFK			2.339e5					182345		5.58e6							0.000
FUNCTION3 PFK			1.780e6					207052		5.05e6							0.000
FUNCTION4 PFK			7.070e4					156677		1.57e6							
FUNCTION5 PFK			1.270e5					78183		2.59e6							
FUNCTION1 HXCD...			1.376e3					613		2.35e4							0.000
FUNCTION1 HPCD...			3.063e3					517		5.32e4							0.000
FUNCTION2 HPCD...			4.189e2					780		7.79e3							0.000
FUNCTION3 OCDPE			1.930e2					636		2.59e3							0.000
FUNCTION4 NCDPE			4.309e3					584		7.58e4							0.000
FUNCTION5 DCDPE			2.404e2					636		5.40e3							0.000

Method: T:\Autospec\Methods\Dioxin230206.mdb 07 Feb 2023 09:29:10
Calibration: T:\Autospec\Curves\230201ICIH.cdb 03 Feb 2023 10:33:40

ID: BKL0420-DUP1, Name: 23020726, Date: 08-Feb-2023, Time: 05:49:21, Conditions: AUTOSPEC01, User: pk

TF

	Compound	RT	Ion1Area	Ion2Area	RRF	Ratio	Pred R	S/N 1	SNFlag	EMPC	Int.1	Int.2	pg
1	Total-tetrafurans	23.98	1.149e3	1.321e3	0.933	0.87	0.77	20.2	YES	NO	db	db	0.422
2	Total-tetrafurans	23.86	1.464e3	1.736e3	0.933	0.84	0.77	28.5	YES	NO	bd	bd	0.547
3	Total-tetrafurans	23.61	1.390e3	1.784e3	0.933	0.78	0.77	25.9	YES	NO	dd	dd	0.542
4	Total-tetrafurans	23.33	5.507e2	7.328e2	0.933	0.75	0.77	12.3	YES	NO	dd	dd	0.219
5	Total-tetrafurans	23.21	2.628e3	3.328e3	0.933	0.79	0.77	42.6	YES	NO	bd	bd	1.018
6	Total-tetrafurans	22.63	9.966e2	1.306e3	0.933	0.76	0.77	18.0	YES	NO	db	db	0.394
7	Total-tetrafurans	26.23	2.881e2	4.363e2	0.933	0.66	0.77	7.1	YES	NO	db	db	0.124
8	Total-tetrafurans	26.09	1.849e3	2.492e3	0.933	0.74	0.77	34.8	YES	NO	dd	dd	0.742
9	2378-TCDF	25.87	1.438e3	1.822e3	0.876	0.79	0.77	29.2	YES	NO	bd	bd	0.593
10	Total-tetrafurans	25.62	1.342e3	1.922e3	0.933	0.70	0.77	13.6	YES	NO	db	db	0.558
11	Total-tetrafurans	25.37	4.744e2	6.402e2	0.933	0.74	0.77	8.2	YES	NO	dd	dd	0.190
12	Total-tetrafurans	25.17	7.647e2	9.793e2	0.933	0.78	0.77	12.3	YES	NO	bd	bd	0.298
13	Total-tetrafurans	24.94	1.167e3	1.534e3	0.933	0.76	0.77	20.5	YES	NO	bb	bb	0.461
14	Total-tetrafurans	24.76	1.849e3	2.771e3	0.933	0.67	0.77	30.2	YES	NO	db	MM	0.789
15	Total-tetrafurans	24.61	6.460e2	7.888e2	0.933	0.82	0.77	12.1	YES	NO	dd	dd	0.245
16	Total-tetrafurans	24.54	1.386e3	1.959e3	0.933	0.71	0.77	23.0	YES	NO	bd	dd	0.571
17	Total-tetrafurans	24.10	1.454e3	2.110e3	0.933	0.69	0.77	28.5	YES	NO	bb	bd	0.609
18	1289-TCDF	27.47	7.553e2	1.093e3	0.858	0.69	0.77	16.0	YES	NO	db	db	0.343

PP

	Compound	RT	Ion1Area	Ion2Area	RRF	Ratio	Pred R	S/N 1	SNFlag	EMPC	Int.1	Int.2	pg
1	Total-penta1	27.30	1.775e4	1.191e4		1.49	1.55	273.6	YES	NO	bb	db	5.252

PF

	Compound	RT	Ion1Area	Ion2Area	RRF	Ratio	Pred R	S/N 1	SNFlag	EMPC	Int.1	Int.2	pg
1	Total-pentafurans	30.23	1.584e3	1.198e3	0.866	1.32	1.55	15.3	YES	NO	bb	bd	0.537
2	12378-PeCDF	30.03	1.240e3	7.355e2	0.845	1.69	1.55	11.7	YES	NO	bb	MM	0.380
3	Total-pentafurans	28.97	9.146e3	6.207e3	0.866	1.47	1.55	78.0	YES	NO	db	dd	2.964
4	23478-PeCDF	31.36	2.252e3	1.531e3	0.911	1.47	1.55	19.4	YES	NO	db	db	0.716
5	Total-pentafurans	31.22	1.942e3	1.340e3	0.866	1.45	1.55	17.5	YES	NO	dd	dd	0.634

ID: BKL0420-DUP1, Name: 23020726, Date: 08-Feb-2023, Time: 05:49:21, Conditions: AUTOSPEC01, User: pk

HF

	Compound	RT	Ion1Area	Ion2Area	RRF	Ratio	Pred R	S/N 1	SNFlag	EMPC	Int.1	Int.2	pg
1	123789-HxCDF	36.98	1.767e3	1.581e3	1.187	1.12	1.24	28.7	YES	NO	bb	bb	0.628
2	234678-HxCDF	35.95	4.629e3	3.652e3	1.229	1.27	1.24	53.9	YES	NO	bb	bb	1.391
3	Total-hexafurans	35.45	4.155e2	3.725e2	1.208	1.12	1.24	6.8	YES	NO	bb	bb	0.134
4	123678-HxCDF	35.13	3.974e3	2.819e3	1.248	1.41	1.24	59.9	YES	NO	dd	db	1.069
5	123478-HxCDF	34.98	1.094e4	8.756e3	1.182	1.25	1.24	188.6	YES	NO	dd	dd	3.344
6	Total-hexafurans	34.84	1.397e3	9.862e2	1.208	1.42	1.24	27.2	YES	NO	bd	bd	0.406
7	Total-hexafurans	34.37	4.002e4	3.196e4	1.208	1.25	1.24	686.2	YES	NO	bb	bd	12.272
8	Total-hexafurans	34.07	8.819e2	7.787e2	1.208	1.13	1.24	17.6	YES	NO	bb	bb	0.283
9	Total-hexafurans	33.54	2.545e4	2.043e4	1.208	1.25	1.24	414.3	YES	NO	db	dd	7.822
10	123468-HXCDF	33.32	7.136e3	5.665e3	1.197	1.26	1.24	126.0	YES	NO	bd	bd	2.145

HPF

	Compound	RT	Ion1Area	Ion2Area	RRF	Ratio	Pred R	S/N 1	SNFlag	EMPC	Int.1	Int.2	pg
1	Total-heptafurans	39.51	9.140e4	9.022e4	1.185	1.01	1.05	1356.2	YES	NO	bb	bd	41.803
2	1234678-HpCDF	38.85	3.951e4	3.914e4	1.204	1.01	1.05	612.7	YES	NO	bd	bb	16.465

ID: BKL0420-DUP1, Name: 23020726, Date: 08-Feb-2023, Time: 05:49:21, Conditions: AUTOSPEC01, User: pk

Furans,TF,PP,PF,HF,HPF,OF

	Compound	RT	Ion1Area	Ion2Area	RRF	Ratio	Pred R	S/N 1	SNFlag	EMPC	Int.1	Int.2	pg
1	Total-tetrafurans	23.98	1.149e3	1.321e3	0.933	0.87	0.77	20.2	YES	NO	db	db	0.422
2	Total-tetrafurans	23.86	1.464e3	1.736e3	0.933	0.84	0.77	28.5	YES	NO	bd	bd	0.547
3	Total-tetrafurans	23.61	1.390e3	1.784e3	0.933	0.78	0.77	25.9	YES	NO	dd	dd	0.542
4	Total-tetrafurans	23.33	5.507e2	7.328e2	0.933	0.75	0.77	12.3	YES	NO	dd	dd	0.219
5	Total-tetrafurans	23.21	2.628e3	3.328e3	0.933	0.79	0.77	42.6	YES	NO	bd	bd	1.018
6	Total-tetrafurans	22.63	9.966e2	1.306e3	0.933	0.76	0.77	18.0	YES	NO	db	db	0.394
7	Total-tetrafurans	26.23	2.881e2	4.363e2	0.933	0.66	0.77	7.1	YES	NO	db	db	0.124
8	Total-tetrafurans	26.09	1.849e3	2.492e3	0.933	0.74	0.77	34.8	YES	NO	dd	dd	0.742
9	2378-TCDF	25.87	1.438e3	1.822e3	0.876	0.79	0.77	29.2	YES	NO	bd	bd	0.593
10	Total-tetrafurans	25.62	1.342e3	1.922e3	0.933	0.70	0.77	13.6	YES	NO	db	db	0.558
11	Total-tetrafurans	25.37	4.744e2	6.402e2	0.933	0.74	0.77	8.2	YES	NO	dd	dd	0.190
12	Total-tetrafurans	25.17	7.647e2	9.793e2	0.933	0.78	0.77	12.3	YES	NO	bd	bd	0.298
13	Total-tetrafurans	24.94	1.167e3	1.534e3	0.933	0.76	0.77	20.5	YES	NO	bb	bb	0.461
14	Total-tetrafurans	24.76	1.849e3	2.771e3	0.933	0.67	0.77	30.2	YES	NO	db	MM	0.789
15	Total-tetrafurans	24.61	6.460e2	7.888e2	0.933	0.82	0.77	12.1	YES	NO	dd	dd	0.245
16	Total-tetrafurans	24.54	1.386e3	1.959e3	0.933	0.71	0.77	23.0	YES	NO	bd	dd	0.571
17	Total-tetrafurans	24.10	1.454e3	2.110e3	0.933	0.69	0.77	28.5	YES	NO	bb	bd	0.609
18	1289-TCDF	27.47	7.553e2	1.093e3	0.858	0.69	0.77	16.0	YES	NO	db	db	0.343
19	Total-pentafurans	30.23	1.584e3	1.198e3	0.866	1.32	1.55	15.3	YES	NO	bb	bd	0.537
20	12378-PeCDF	30.03	1.240e3	7.355e2	0.845	1.69	1.55	11.7	YES	NO	bb	MM	0.380
21	Total-pentafurans	28.97	9.146e3	6.207e3	0.866	1.47	1.55	78.0	YES	NO	db	dd	2.964
22	23478-PeCDF	31.36	2.252e3	1.531e3	0.911	1.47	1.55	19.4	YES	NO	db	db	0.716
23	Total-pentafurans	31.22	1.942e3	1.340e3	0.866	1.45	1.55	17.5	YES	NO	dd	dd	0.634
24	123789-HxCDF	36.98	1.767e3	1.581e3	1.187	1.12	1.24	28.7	YES	NO	bb	bb	0.628
25	234678-HxCDF	35.95	4.629e3	3.652e3	1.229	1.27	1.24	53.9	YES	NO	bb	bb	1.391
26	Total-hexafurans	35.45	4.155e2	3.725e2	1.208	1.12	1.24	6.8	YES	NO	bb	bb	0.134
27	123678-HxCDF	35.13	3.974e3	2.819e3	1.248	1.41	1.24	59.9	YES	NO	dd	db	1.069
28	123478-HxCDF	34.98	1.094e4	8.756e3	1.182	1.25	1.24	188.6	YES	NO	dd	dd	3.344
29	Total-hexafurans	34.84	1.397e3	9.862e2	1.208	1.42	1.24	27.2	YES	NO	bd	bd	0.406
30	Total-hexafurans	34.37	4.002e4	3.196e4	1.208	1.25	1.24	686.2	YES	NO	bb	bd	12.272
31	Total-hexafurans	34.07	8.819e2	7.787e2	1.208	1.13	1.24	17.6	YES	NO	bb	bb	0.283
32	Total-hexafurans	33.54	2.545e4	2.043e4	1.208	1.25	1.24	414.3	YES	NO	db	dd	7.822
33	123468-HXCDF	33.32	7.136e3	5.665e3	1.197	1.26	1.24	126.0	YES	NO	bd	bd	2.145
34	Total-heptafurans	39.51	9.140e4	9.022e4	1.185	1.01	1.05	1356.2	YES	NO	bb	bd	41.803
35	1234678-HpCDF	38.85	3.951e4	3.914e4	1.204	1.01	1.05	612.7	YES	NO	bd	bb	16.465
36	OCDF	45.37	5.932e4	6.818e4	1.186	0.87	0.89	884.7	YES	NO	bd	bd	39.824
37	Total-penta1	27.30	1.775e4	1.191e4		1.49	1.55	273.6	YES	NO	bb	db	5.252

ID: BKL0420-DUP1, Name: 23020726, Date: 08-Feb-2023, Time: 05:49:21, Conditions: AUTOSPEC01, User: pk

TD

	Compound	RT	Ion1Area	Ion2Area	RRF	Ratio	Pred R	S/N 1	SNFlag	EMPC	Int.1	Int.2	pg
1	Total-tetradioxins	25.11	6.933e2	8.552e2	1.099	0.81	0.77	11.7	YES	NO	bd	bb	0.299
2	Total-tetradioxins	23.90	1.136e3	1.329e3	1.099	0.85	0.77	18.6	YES	NO	bb	bb	0.476
3	1368-TCDD	23.61	1.298e3	1.842e3	1.084	0.71	0.77	24.6	YES	NO	bb	bb	0.614
4	2378-TCDD	26.52	5.989e2	7.269e2	1.236	0.82	0.77	10.1	YES	NO	MM	bd	0.227

PD

	Compound	RT	Ion1Area	Ion2Area	RRF	Ratio	Pred R	S/N 1	SNFlag	EMPC	Int.1	Int.2	pg
1	Total-pentadioxins	30.24	1.748e3	1.009e3	1.392	1.73	1.55	22.5	YES	NO	bb	bb	0.489
2	Total-pentadioxins	30.01	1.717e3	1.271e3	1.392	1.35	1.55	17.5	YES	NO	bb	bb	0.530
3	12378-PeCDD	31.62	1.714e3	1.076e3	1.087	1.59	1.55	16.8	YES	NO	bb	bb	0.634
4	Total-pentadioxins	30.56	1.020e3	6.952e2	1.392	1.47	1.55	8.3	YES	NO	db	bb	0.304
5	Total-pentadioxins	30.36	1.394e3	8.822e2	1.392	1.58	1.55	14.9	YES	NO	bb	bb	0.404

HD

	Compound	RT	Ion1Area	Ion2Area	RRF	Ratio	Pred R	S/N 1	SNFlag	EMPC	Int.1	Int.2	pg
1	123789-HxCDD	36.61	4.662e3	3.837e3	0.985	1.22	1.24	55.0	YES	NO	db	bb	1.740
2	123678-HxCDD	36.22	7.558e3	6.496e3	1.021	1.16	1.24	95.3	YES	NO	dd	dd	2.749
3	123478-HxCDD	36.11	1.860e3	1.479e3	0.987	1.26	1.24	24.1	YES	NO	bd	bd	0.690
4	Total-hexadioxins	35.32	1.549e3	1.346e3	1.007	1.15	1.24	19.6	YES	NO	db	db	0.580
5	Total-hexadioxins	35.23	2.280e4	1.842e4	1.007	1.24	1.24	178.1	YES	NO	bd	bd	8.262
6	Total-hexadioxins	34.86	6.121e3	4.884e3	1.007	1.25	1.24	72.1	YES	NO	bb	bb	2.206
7	124679-HXCDD	34.09	1.997e4	1.594e4	1.033	1.25	1.24	231.5	YES	NO	bb	bb	7.087

HPD

	Compound	RT	Ion1Area	Ion2Area	RRF	Ratio	Pred R	S/N 1	SNFlag	EMPC	Int.1	Int.2	pg
1	1234678-HpCDD	40.35	1.304e5	1.285e5	1.253	1.01	1.05	1111.8	YES	NO	bd	bd	63.955
2	1234679-HPCDD	39.30	1.726e5	1.666e5	1.286	1.04	1.05	1534.3	YES	NO	bb	bd	81.613

ID: BKL0420-DUP1, Name: 23020726, Date: 08-Feb-2023, Time: 05:49:21, Conditions: AUTOSPEC01, User: pk

Dioxins,TD,PD,HD,HPD,OD

	Compound	RT	Ion1Area	Ion2Area	RRF	Ratio	Pred R	S/N 1	SNFlag	EMPC	Int.1	Int.2	pg
1	Total-tetradioxins	25.11	6.933e2	8.552e2	1.099	0.81	0.77	11.7	YES	NO	bd	bb	0.299
2	Total-tetradioxins	23.90	1.136e3	1.329e3	1.099	0.85	0.77	18.6	YES	NO	bb	bb	0.476
3	1368-TCDD	23.61	1.298e3	1.842e3	1.084	0.71	0.77	24.6	YES	NO	bb	bb	0.614
4	2378-TCDD	26.52	5.989e2	7.269e2	1.236	0.82	0.77	10.1	YES	NO	MM	bd	0.227
5	Total-pentadioxins	30.24	1.748e3	1.009e3	1.392	1.73	1.55	22.5	YES	NO	bb	bb	0.489
6	Total-pentadioxins	30.01	1.717e3	1.271e3	1.392	1.35	1.55	17.5	YES	NO	bb	bb	0.530
7	12378-PeCDD	31.62	1.714e3	1.076e3	1.087	1.59	1.55	16.8	YES	NO	bb	bb	0.634
8	Total-pentadioxins	30.56	1.020e3	6.952e2	1.392	1.47	1.55	8.3	YES	NO	db	bb	0.304
9	Total-pentadioxins	30.36	1.394e3	8.822e2	1.392	1.58	1.55	14.9	YES	NO	bb	bb	0.404
10	123789-HxCDD	36.61	4.662e3	3.837e3	0.985	1.22	1.24	55.0	YES	NO	db	bb	1.740
11	123678-HxCDD	36.22	7.558e3	6.496e3	1.021	1.16	1.24	95.3	YES	NO	dd	dd	2.749
12	123478-HxCDD	36.11	1.860e3	1.479e3	0.987	1.26	1.24	24.1	YES	NO	bd	bd	0.690
13	Total-hexadioxins	35.32	1.549e3	1.346e3	1.007	1.15	1.24	19.6	YES	NO	db	db	0.580
14	Total-hexadioxins	35.23	2.280e4	1.842e4	1.007	1.24	1.24	178.1	YES	NO	bd	bd	8.262
15	Total-hexadioxins	34.86	6.121e3	4.884e3	1.007	1.25	1.24	72.1	YES	NO	bb	bb	2.206
16	124679-HXCDD	34.09	1.997e4	1.594e4	1.033	1.25	1.24	231.5	YES	NO	bb	bb	7.087
17	OCDD	45.13	7.170e5	8.196e5	1.103	0.87	0.89	6981.8	YES	NO	bb	bb	516.342
18	1234678-HpCDD	40.35	1.304e5	1.285e5	1.253	1.01	1.05	1111.8	YES	NO	bd	bd	63.955
19	1234679-HPCDD	39.30	1.726e5	1.666e5	1.286	1.04	1.05	1534.3	YES	NO	bb	bd	81.613

ID: BKL0420-DUP1, Name: 23020726, Date: 08-Feb-2023, Time: 05:49:21, Conditions: AUTOSPEC01, User: pk

TotalTEQ,Furans,Dioxins

	Compound	RT	Ion1Area	Ion2Area	RRF	Ratio	Pred R	S/N 1	SNFlag	EMPC	Int.1	Int.2	pg
1	Total-tetrafurans	23.98	1.149e3	1.321e3	0.933	0.87	0.77	20.2	YES	NO	db	db	0.422
2	Total-tetrafurans	23.86	1.464e3	1.736e3	0.933	0.84	0.77	28.5	YES	NO	bd	bd	0.547
3	Total-tetrafurans	23.61	1.390e3	1.784e3	0.933	0.78	0.77	25.9	YES	NO	dd	dd	0.542
4	Total-tetrafurans	23.33	5.507e2	7.328e2	0.933	0.75	0.77	12.3	YES	NO	dd	dd	0.219
5	Total-tetrafurans	23.21	2.628e3	3.328e3	0.933	0.79	0.77	42.6	YES	NO	bd	bd	1.018
6	Total-tetrafurans	22.63	9.966e2	1.306e3	0.933	0.76	0.77	18.0	YES	NO	db	db	0.394
7	Total-tetrafurans	26.23	2.881e2	4.363e2	0.933	0.66	0.77	7.1	YES	NO	db	db	0.124
8	Total-tetrafurans	26.09	1.849e3	2.492e3	0.933	0.74	0.77	34.8	YES	NO	dd	dd	0.742
9	2378-TCDF	25.87	1.438e3	1.822e3	0.876	0.79	0.77	29.2	YES	NO	bd	bd	0.593
10	Total-tetrafurans	25.62	1.342e3	1.922e3	0.933	0.70	0.77	13.6	YES	NO	db	db	0.558
11	Total-tetrafurans	25.37	4.744e2	6.402e2	0.933	0.74	0.77	8.2	YES	NO	dd	dd	0.190
12	Total-tetrafurans	25.17	7.647e2	9.793e2	0.933	0.78	0.77	12.3	YES	NO	bd	bd	0.298
13	Total-tetrafurans	24.94	1.167e3	1.534e3	0.933	0.76	0.77	20.5	YES	NO	bb	bb	0.461
14	Total-tetrafurans	24.76	1.849e3	2.771e3	0.933	0.67	0.77	30.2	YES	NO	db	MM	0.789
15	Total-tetrafurans	24.61	6.460e2	7.888e2	0.933	0.82	0.77	12.1	YES	NO	dd	dd	0.245
16	Total-tetrafurans	24.54	1.386e3	1.959e3	0.933	0.71	0.77	23.0	YES	NO	bd	dd	0.571
17	Total-tetrafurans	24.10	1.454e3	2.110e3	0.933	0.69	0.77	28.5	YES	NO	bb	bd	0.609
18	1289-TCDF	27.47	7.553e2	1.093e3	0.858	0.69	0.77	16.0	YES	NO	db	db	0.343
19	Total-pentafurans	30.23	1.584e3	1.198e3	0.866	1.32	1.55	15.3	YES	NO	bb	bd	0.537
20	12378-PeCDF	30.03	1.240e3	7.355e2	0.845	1.69	1.55	11.7	YES	NO	bb	MM	0.380
21	Total-pentafurans	28.97	9.146e3	6.207e3	0.866	1.47	1.55	78.0	YES	NO	db	dd	2.964
22	23478-PeCDF	31.36	2.252e3	1.531e3	0.911	1.47	1.55	19.4	YES	NO	db	db	0.716
23	Total-pentafurans	31.22	1.942e3	1.340e3	0.866	1.45	1.55	17.5	YES	NO	dd	dd	0.634
24	123789-HxCDF	36.98	1.767e3	1.581e3	1.187	1.12	1.24	28.7	YES	NO	bb	bb	0.628
25	234678-HxCDF	35.95	4.629e3	3.652e3	1.229	1.27	1.24	53.9	YES	NO	bb	bb	1.391
26	Total-hexafurans	35.45	4.155e2	3.725e2	1.208	1.12	1.24	6.8	YES	NO	bb	bb	0.134
27	123678-HxCDF	35.13	3.974e3	2.819e3	1.248	1.41	1.24	59.9	YES	NO	dd	db	1.069
28	123478-HxCDF	34.98	1.094e4	8.756e3	1.182	1.25	1.24	188.6	YES	NO	dd	dd	3.344
29	Total-hexafurans	34.84	1.397e3	9.862e2	1.208	1.42	1.24	27.2	YES	NO	bd	bd	0.406
30	Total-hexafurans	34.37	4.002e4	3.196e4	1.208	1.25	1.24	686.2	YES	NO	bb	bd	12.272
31	Total-hexafurans	34.07	8.819e2	7.787e2	1.208	1.13	1.24	17.6	YES	NO	bb	bb	0.283
32	Total-hexafurans	33.54	2.545e4	2.043e4	1.208	1.25	1.24	414.3	YES	NO	db	dd	7.822
33	123468-HXCDF	33.32	7.136e3	5.665e3	1.197	1.26	1.24	126.0	YES	NO	bd	bd	2.145
34	Total-heptafurans	39.51	9.140e4	9.022e4	1.185	1.01	1.05	1356.2	YES	NO	bb	bd	41.803
35	1234678-HpCDF	38.85	3.951e4	3.914e4	1.204	1.01	1.05	612.7	YES	NO	bd	bb	16.465
36	OCDF	45.37	5.932e4	6.818e4	1.186	0.87	0.89	884.7	YES	NO	bd	bd	39.824
37	Total-penta1	27.30	1.775e4	1.191e4		1.49	1.55	273.6	YES	NO	bb	db	5.252

ID: BKL0420-DUP1, Name: 23020726, Date: 08-Feb-2023, Time: 05:49:21, Conditions: AUTOSPEC01, User: pk

TotalTEQ,Furans,Dioxins

	Compound	RT	Ion1Area	Ion2Area	RRF	Ratio	Pred R	S/N 1	SNFlag	EMPC	Int.1	Int.2	pg
38	Total-tetradioxins	25.11	6.933e2	8.552e2	1.099	0.81	0.77	11.7	YES	NO	bd	bb	0.299
39	Total-tetradioxins	23.90	1.136e3	1.329e3	1.099	0.85	0.77	18.6	YES	NO	bb	bb	0.476
40	1368-TCDD	23.61	1.298e3	1.842e3	1.084	0.71	0.77	24.6	YES	NO	bb	bb	0.614
41	2378-TCDD	26.52	5.989e2	7.269e2	1.236	0.82	0.77	10.1	YES	NO	MM	bd	0.227
42	Total-pentadioxins	30.24	1.748e3	1.009e3	1.392	1.73	1.55	22.5	YES	NO	bb	bb	0.489
43	Total-pentadioxins	30.01	1.717e3	1.271e3	1.392	1.35	1.55	17.5	YES	NO	bb	bb	0.530
44	12378-PeCDD	31.62	1.714e3	1.076e3	1.087	1.59	1.55	16.8	YES	NO	bb	bb	0.634
45	Total-pentadioxins	30.56	1.020e3	6.952e2	1.392	1.47	1.55	8.3	YES	NO	db	bb	0.304
46	Total-pentadioxins	30.36	1.394e3	8.822e2	1.392	1.58	1.55	14.9	YES	NO	bb	bb	0.404
47	123789-HxCDD	36.61	4.662e3	3.837e3	0.985	1.22	1.24	55.0	YES	NO	db	bb	1.740
48	123678-HxCDD	36.22	7.558e3	6.496e3	1.021	1.16	1.24	95.3	YES	NO	dd	dd	2.749
49	123478-HxCDD	36.11	1.860e3	1.479e3	0.987	1.26	1.24	24.1	YES	NO	bd	bd	0.690
50	Total-hexadioxins	35.32	1.549e3	1.346e3	1.007	1.15	1.24	19.6	YES	NO	db	db	0.580
51	Total-hexadioxins	35.23	2.280e4	1.842e4	1.007	1.24	1.24	178.1	YES	NO	bd	bd	8.262
52	Total-hexadioxins	34.86	6.121e3	4.884e3	1.007	1.25	1.24	72.1	YES	NO	bb	bb	2.206
53	124679-HXCDD	34.09	1.997e4	1.594e4	1.033	1.25	1.24	231.5	YES	NO	bb	bb	7.087
54	OCDD	45.13	7.170e5	8.196e5	1.103	0.87	0.89	6981.8	YES	NO	bb	bb	516.342
55	1234678-HpCDD	40.35	1.304e5	1.285e5	1.253	1.01	1.05	1111.8	YES	NO	bd	bd	63.955
56	1234679-HPCDD	39.30	1.726e5	1.666e5	1.286	1.04	1.05	1534.3	YES	NO	bb	bd	81.613

PFK1

	Compound	RT	Ion1Area	Ion2Area	RRF	Ratio	Pred R	S/N 1	SNFlag	EMPC	Int.1	Int.2	pg
1	FUNCTION1 PFK	27.95	1.091e4					0.9	NO		bb		
2	FUNCTION1 PFK	27.62	2.949e5					5.2	YES		bb		
3	FUNCTION1 PFK	27.39	3.727e5					4.6	YES		bb		
4	FUNCTION1 PFK	25.17	4.802e3					0.6	NO		bb		
5	FUNCTION1 PFK	22.72	1.672e4					1.3	NO		bb		
6	FUNCTION1 PFK	22.59	1.740e4					1.3	NO		bb		
7	FUNCTION1 PFK	22.33	2.472e5					2.2	NO		bb		
8	FUNCTION1 PFK	22.12	4.704e4					3.0	NO		db		
9	FUNCTION1 PFK	22.07	1.484e5					3.6	YES		bd		
10	FUNCTION1 PFK	21.80	2.352e5					3.6	YES		db		
11	FUNCTION1 PFK	21.68	1.923e6					10.4	YES		bd		
12	FUNCTION1 PFK	21.33	1.250e6					25.9	YES		db		
13	FUNCTION1 PFK	21.21	2.693e6					24.2	YES		bd		

ID: BKL0420-DUP1, Name: 23020726, Date: 08-Feb-2023, Time: 05:49:21, Conditions: AUTOSPEC01, User: pk

PFK2

	Compound	RT	Ion1Area	Ion2Area	RRF	Ratio	Pred R	S/N 1	SNFlag	EMPC	Int.1	Int.2	pg
1	FUNCTION2 PFK	31.42	5.038e3					1.1	NO		bb		0.000
2	FUNCTION2 PFK	31.08	2.756e3					0.7	NO		bb		0.000
3	FUNCTION2 PFK	30.90	2.635e3					0.8	NO		bb		0.000
4	FUNCTION2 PFK	30.81	7.787e3					1.2	NO		bb		0.000
5	FUNCTION2 PFK	30.50	1.145e3					0.4	NO		db		0.000
6	FUNCTION2 PFK	30.47	4.820e3					1.3	NO		bd		0.000
7	FUNCTION2 PFK	30.04	7.651e2					0.4	NO		bb		0.000
8	FUNCTION2 PFK	29.81	1.662e4					1.5	NO		bb		0.000
9	FUNCTION2 PFK	29.46	5.878e4					3.0	NO		db		0.000
10	FUNCTION2 PFK	29.39	1.384e4					1.9	NO		bd		0.000
11	FUNCTION2 PFK	29.06	7.636e3					1.8	NO		bb		0.000
12	FUNCTION2 PFK	28.68	8.122e3					1.5	NO		bb		0.000
13	FUNCTION2 PFK	28.59	2.178e3					0.7	NO		bb		0.000
14	FUNCTION2 PFK	28.39	3.388e3					0.7	NO		db		0.000
15	FUNCTION2 PFK	28.35	4.876e3					1.1	NO		bd		0.000
16	FUNCTION2 PFK	32.81	6.455e3					0.8	NO		bb		0.000
17	FUNCTION2 PFK	32.61	2.613e4					2.9	NO		db		0.000
18	FUNCTION2 PFK	32.53	1.895e4					1.9	NO		bd		0.000
19	FUNCTION2 PFK	32.42	1.462e4					1.4	NO		bb		0.000
20	FUNCTION2 PFK	32.21	1.300e3					0.5	NO		db		0.000
21	FUNCTION2 PFK	32.18	4.899e3					1.0	NO		bd		0.000
22	FUNCTION2 PFK	32.05	5.818e3					1.3	NO		bb		0.000
23	FUNCTION2 PFK	31.94	3.328e3					0.9	NO		bb		0.000
24	FUNCTION2 PFK	31.71	1.200e4					1.5	NO		bb		0.000

PFK3

	Compound	RT	Ion1Area	Ion2Area	RRF	Ratio	Pred R	S/N 1	SNFlag	EMPC	Int.1	Int.2	pg
1	FUNCTION3 PFK	37.04	5.547e5					15.3	YES		bb		0.000
2	FUNCTION3 PFK	36.47	1.199e6					4.5	YES		bb		0.000
3	FUNCTION3 PFK	33.05	6.602e3					1.6	NO		bb		0.000
4	FUNCTION3 PFK	32.98	1.920e4					3.0	NO		bb		0.000

ID: BKL0420-DUP1, Name: 23020726, Date: 08-Feb-2023, Time: 05:49:21, Conditions: AUTOSPEC01, User: pk

PFK4

	Compound	RT	Ion1Area	Ion2Area	RRF	Ratio	Pred R	S/N 1	SNFlag	EMPC	Int.1	Int.2	pg
1	FUNCTION4 PFK	38.24	3.324e4					2.1	NO		bb		
2	FUNCTION4 PFK	40.62	8.094e3					1.8	NO		bb		
3	FUNCTION4 PFK	40.19	2.744e3					0.9	NO		bb		
4	FUNCTION4 PFK	39.84	3.076e3					1.0	NO		bb		
5	FUNCTION4 PFK	39.75	1.233e4					2.0	NO		bb		
6	FUNCTION4 PFK	38.57	1.122e4					2.2	NO		bb		

PFK5

	Compound	RT	Ion1Area	Ion2Area	RRF	Ratio	Pred R	S/N 1	SNFlag	EMPC	Int.1	Int.2	pg
1	FUNCTION5 PFK	44.86	6.253e3					1.8	NO		db		
2	FUNCTION5 PFK	44.77	3.576e3					1.5	NO		bd		
3	FUNCTION5 PFK	44.26	1.818e3					1.0	NO		db		
4	FUNCTION5 PFK	44.23	6.303e2					0.7	NO		bd		
5	FUNCTION5 PFK	44.01	9.914e2					0.8	NO		bb		
6	FUNCTION5 PFK	43.81	2.984e3					1.5	NO		bb		
7	FUNCTION5 PFK	43.73	1.280e3					1.1	NO		bb		
8	FUNCTION5 PFK	43.66	9.777e2					0.8	NO		bb		
9	FUNCTION5 PFK	43.20	5.375e3					2.9	NO		db		
10	FUNCTION5 PFK	43.08	6.963e4					8.0	YES		bd		
11	FUNCTION5 PFK	46.34	1.471e4					2.9	NO		bb		
12	FUNCTION5 PFK	46.09	2.486e3					1.3	NO		bb		
13	FUNCTION5 PFK	46.03	5.206e2					0.7	NO		bb		
14	FUNCTION5 PFK	45.83	2.989e3					1.5	NO		db		
15	FUNCTION5 PFK	45.80	5.503e3					2.4	NO		bd		
16	FUNCTION5 PFK	45.14	5.316e2					0.7	NO		bb		
17	FUNCTION5 PFK	45.10	1.607e3					0.8	NO		bb		
18	FUNCTION5 PFK	45.00	2.101e3					1.5	NO		bb		
19	FUNCTION5 PFK	44.94	3.024e3					1.0	NO		bb		

ID: BKL0420-DUP1, Name: 23020726, Date: 08-Feb-2023, Time: 05:49:21, Conditions: AUTOSPEC01, User: pk

ETHERS1

	Compound	RT	Ion1Area	Ion2Area	RRF	Ratio	Pred R	S/N 1	SNFlag	EMPC	Int.1	Int.2	pg
1	FUNCTION1 HXCD...	25.87	1.736e2					4.1	YES		bd		0.000
2	FUNCTION1 HXCD...	23.86	3.094e2					8.2	YES		bb		0.000
3	FUNCTION1 HXCD...	22.66	1.090e2					2.2	NO		bb		0.000
4	FUNCTION1 HXCD...	22.42	1.395e2					4.1	YES		bb		0.000
5	FUNCTION1 HXCD...	22.25	1.504e2					4.8	YES		bb		0.000
6	FUNCTION1 HXCD...	21.32	1.272e2					2.9	NO		bb		0.000
7	FUNCTION1 HXCD...	26.86	7.775e1					2.6	NO		bb		0.000
8	FUNCTION1 HXCD...	26.23	1.563e2					5.4	YES		bb		0.000
9	FUNCTION1 HXCD...	26.00	1.324e2					4.1	YES		db		0.000

ETHERS2

	Compound	RT	Ion1Area	Ion2Area	RRF	Ratio	Pred R	S/N 1	SNFlag	EMPC	Int.1	Int.2	pg
1	FUNCTION1 HPCD...	27.12	8.372e1					3.1	YES		bb		0.000
2	FUNCTION1 HPCD...	26.52	7.460e1					1.3	NO		bb		0.000
3	FUNCTION1 HPCD...	23.45	1.161e3					36.9	YES		bb		0.000
4	FUNCTION1 HPCD...	22.51	7.464e1					2.7	NO		db		0.000
5	FUNCTION1 HPCD...	22.40	8.234e1					3.7	YES		bd		0.000
6	FUNCTION1 HPCD...	22.15	1.481e3					53.0	YES		bb		0.000
7	FUNCTION1 HPCD...	21.15	1.064e2					2.1	NO		bb		0.000

ETHERS3

	Compound	RT	Ion1Area	Ion2Area	RRF	Ratio	Pred R	S/N 1	SNFlag	EMPC	Int.1	Int.2	pg
1	FUNCTION2 HPCD...	29.19	8.370e1					2.7	NO		bb		0.000
2	FUNCTION2 HPCD...	29.06	2.477e2					4.9	YES		bb		0.000
3	FUNCTION2 HPCD...	28.59	8.745e1					2.4	NO		bb		0.000

ETHERS4

	Compound	RT	Ion1Area	Ion2Area	RRF	Ratio	Pred R	S/N 1	SNFlag	EMPC	Int.1	Int.2	pg
1	FUNCTION3 OCDPE	34.69	1.014e2					1.9	NO		bb		0.000
2	FUNCTION3 OCDPE	33.13	9.159e1					2.1	NO		bb		0.000

ID: BKL0420-DUP1, Name: 23020726, Date: 08-Feb-2023, Time: 05:49:21, Conditions: AUTOSPEC01, User: pk

ETHERS5

	Compound	RT	Ion1Area	Ion2Area	RRF	Ratio	Pred R	S/N 1	SNFlag	EMPC	Int.1	Int.2	pg
1	FUNCTION4 NCDPE	38.48	4.309e3					129.8	YES		bb		0.000

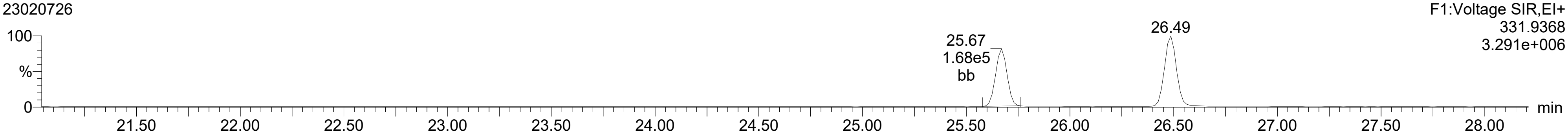
ETHERS6

	Compound	RT	Ion1Area	Ion2Area	RRF	Ratio	Pred R	S/N 1	SNFlag	EMPC	Int.1	Int.2	pg
1	FUNCTION5 DCDPE	45.55	7.085e1					2.4	NO		bb		0.000
2	FUNCTION5 DCDPE	45.17	7.887e1					3.4	YES		db		0.000
3	FUNCTION5 DCDPE	45.11	9.070e1					2.7	NO		bd		0.000

Method: T:\Autospec\Methods\Dioxin230206.mdb 07 Feb 2023 09:29:10
Calibration: T:\Autospec\Curves\230201ICIH.cdb 03 Feb 2023 10:33:40

ID: BKL0420-DUP1, Name: 23020726, Date: 08-Feb-2023, Time: 05:49:21, Conditions: AUTOSPEC01, User: pk

13C-1234-TCDD



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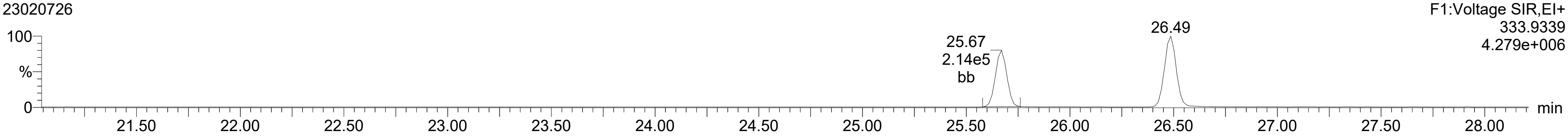
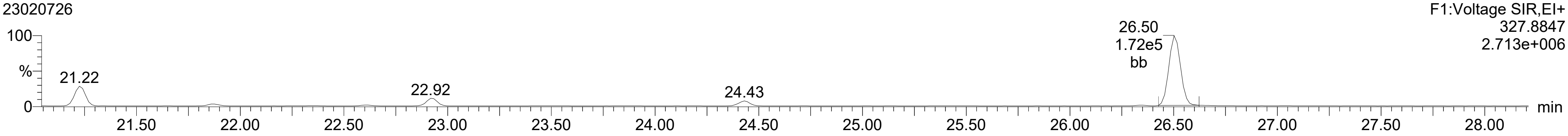
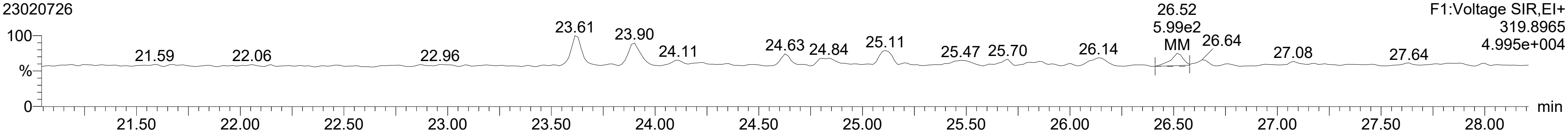


37CL-2378-TCDD



ID: BKL0420-DUP1, Name: 23020726, Date: 08-Feb-2023, Time: 05:49:21, Conditions: AUTOSPEC01, User: pk

2378-TCDD



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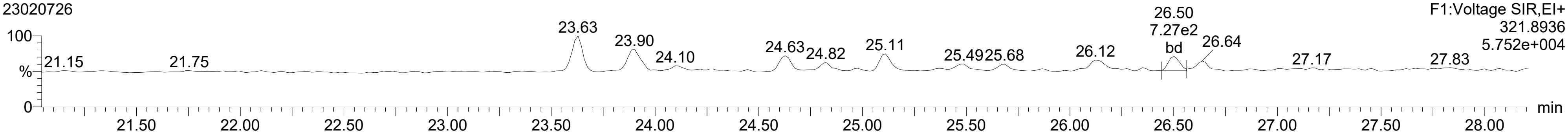

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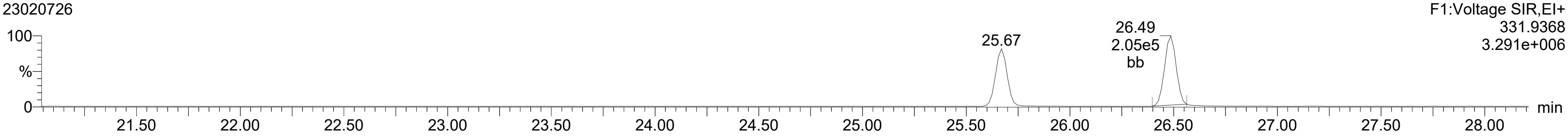

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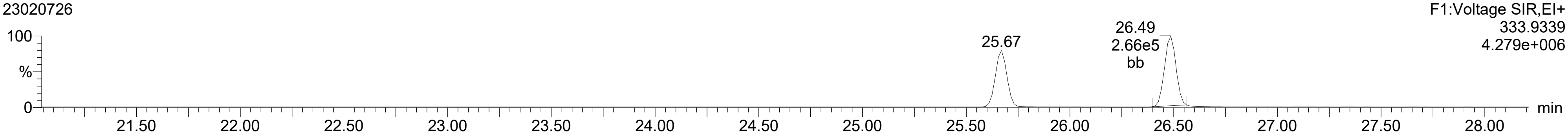

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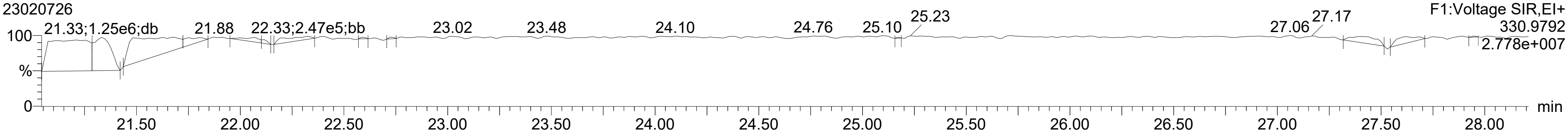
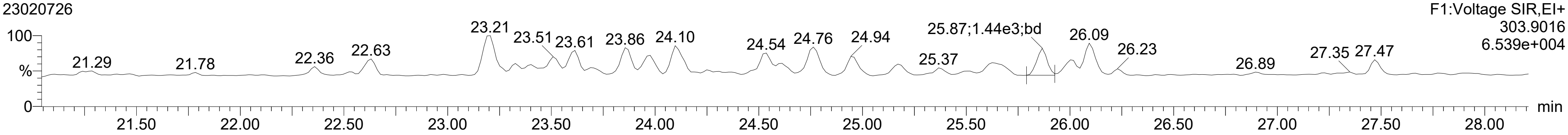


ID: BKL0420-DUP1, Name: 23020726, Date: 08-Feb-2023, Time: 05:49:21, Conditions: AUTOSPEC01, User: pk

2378-TCDF



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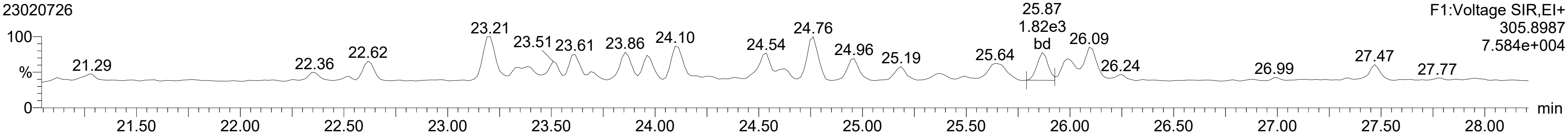

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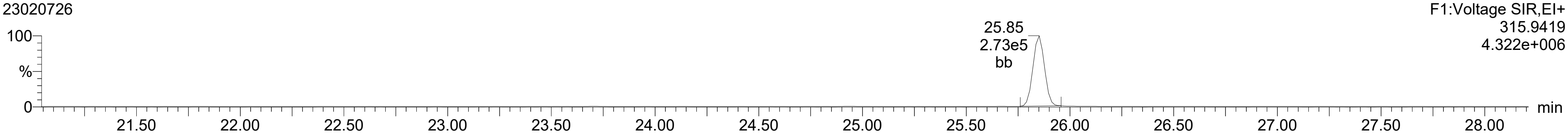

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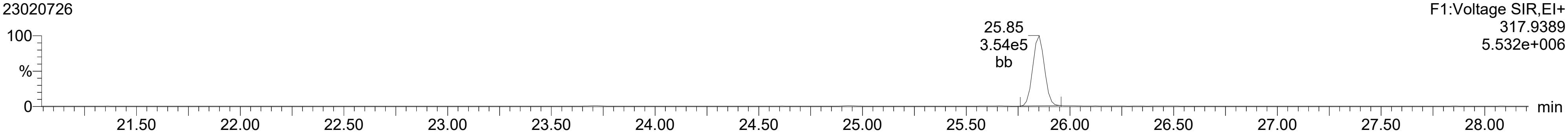
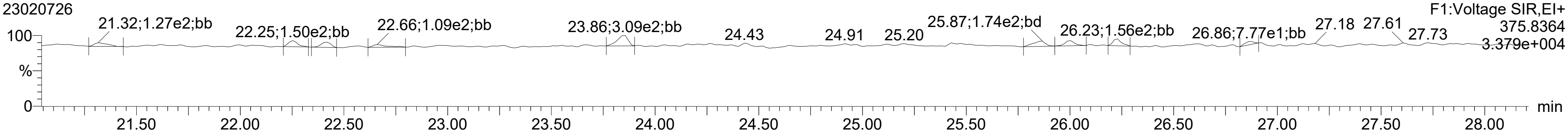
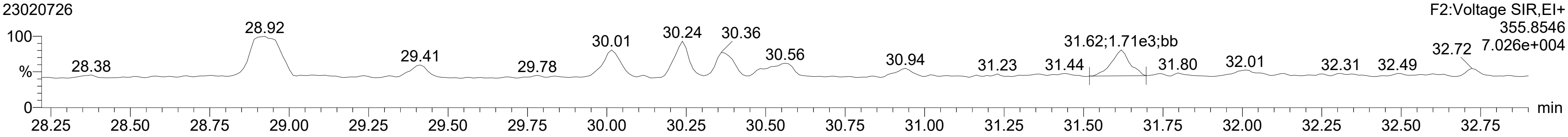


FUNCTION1 HXCDPE



ID: BKL0420-DUP1, Name: 23020726, Date: 08-Feb-2023, Time: 05:49:21, Conditions: AUTOSPEC01, User: pk

12378-PeCDD



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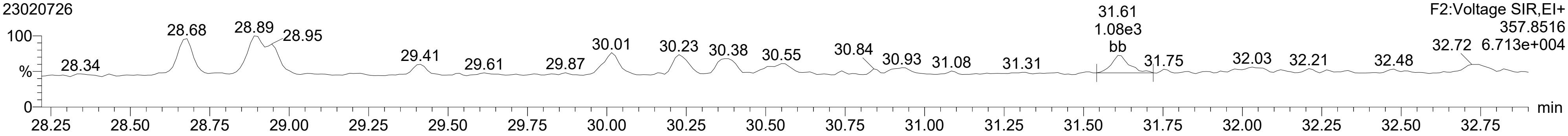

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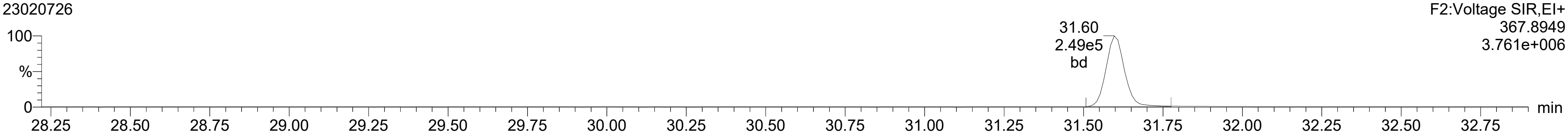

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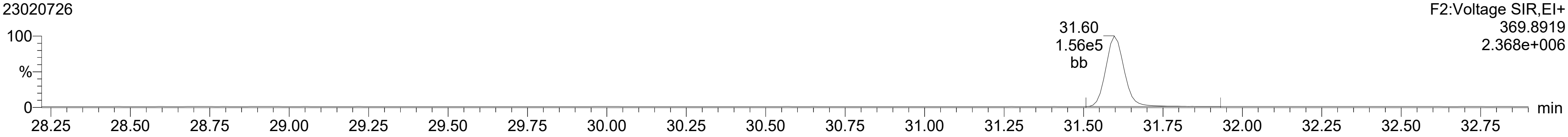
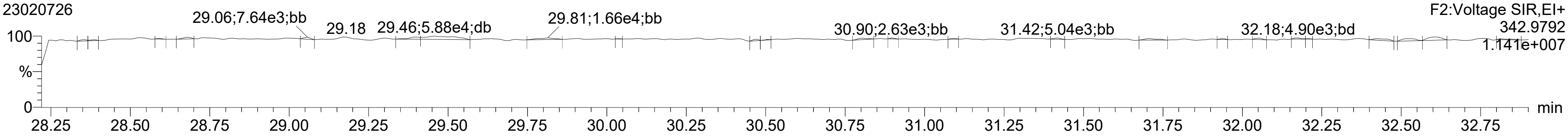


FUNCTION2 PFK



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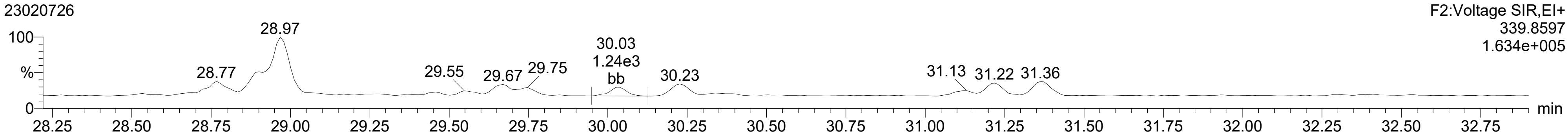
12378-PeCDF



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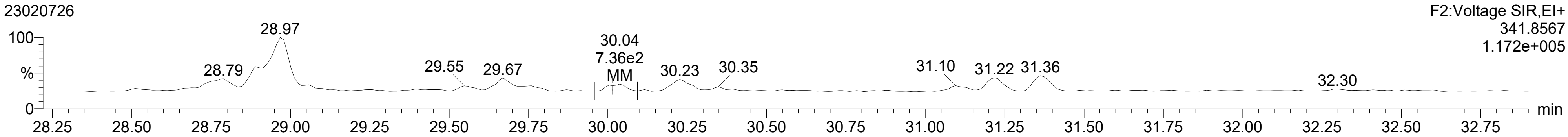

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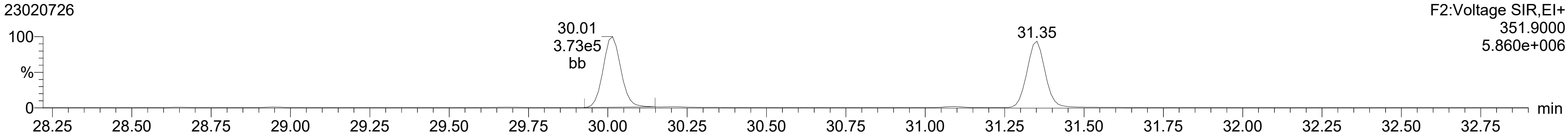

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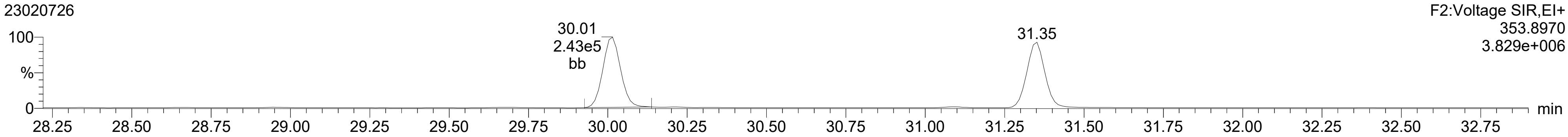

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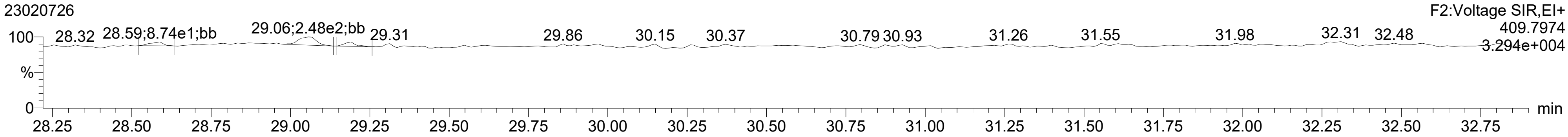

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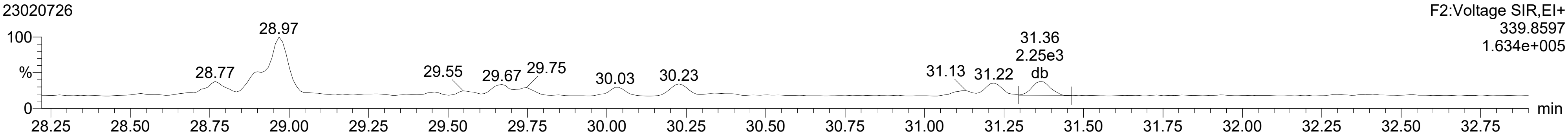
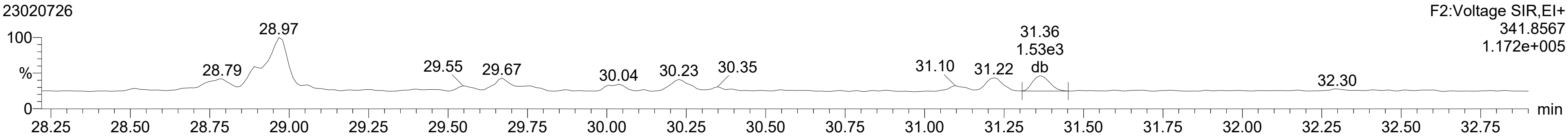
23478-PeCDF



23478-PeCDF



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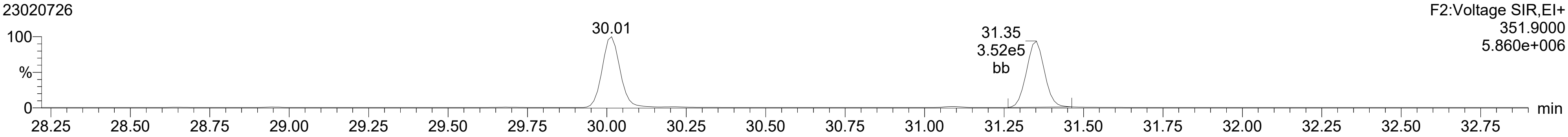

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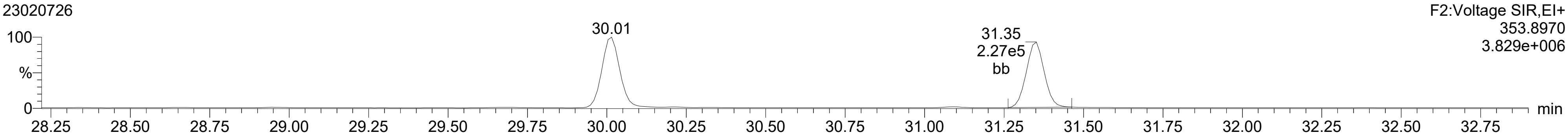
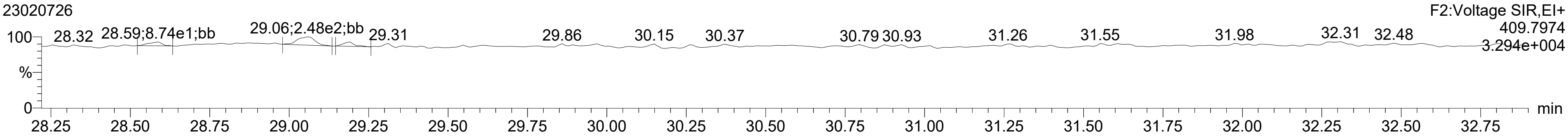
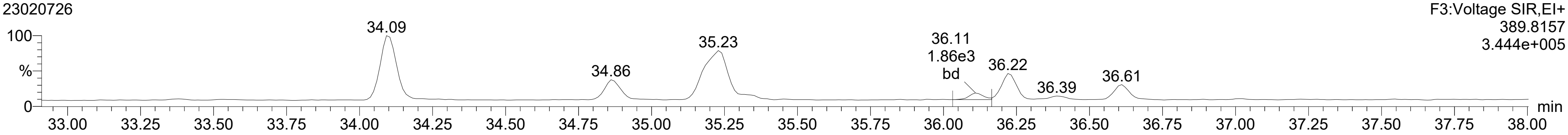


FUNCTION2 HPCDPE



ID: BKL0420-DUP1, Name: 23020726, Date: 08-Feb-2023, Time: 05:49:21, Conditions: AUTOSPEC01, User: pk

123478-HxCDD



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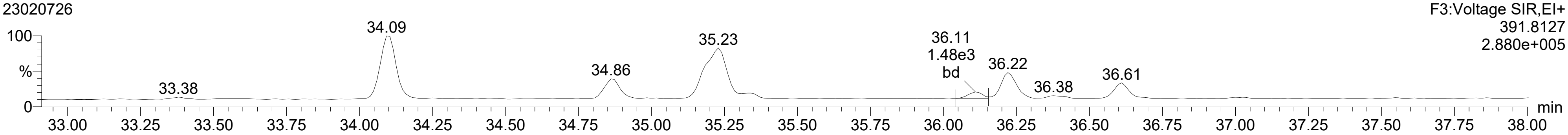

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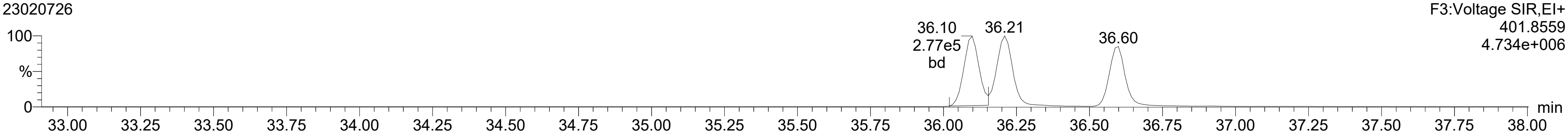

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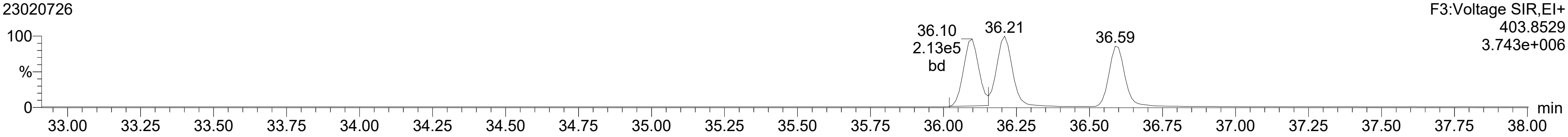
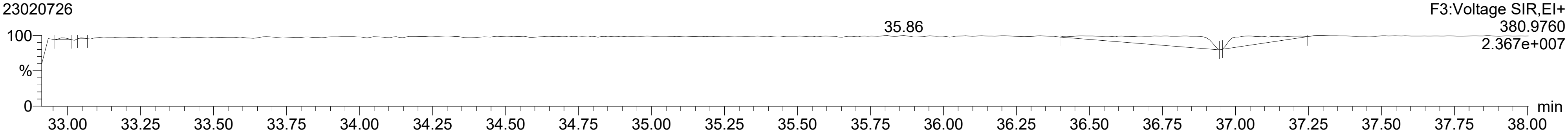


FUNCTION3 PFK



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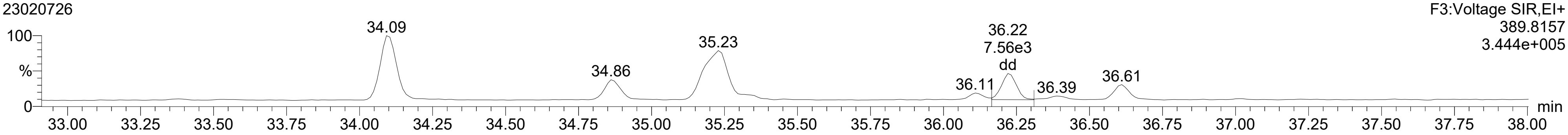
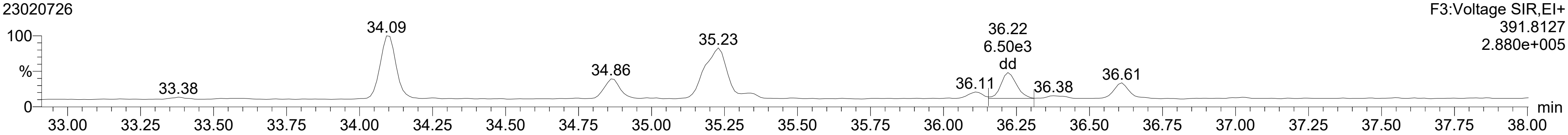
123678-HxCDD



123678-HxCDD



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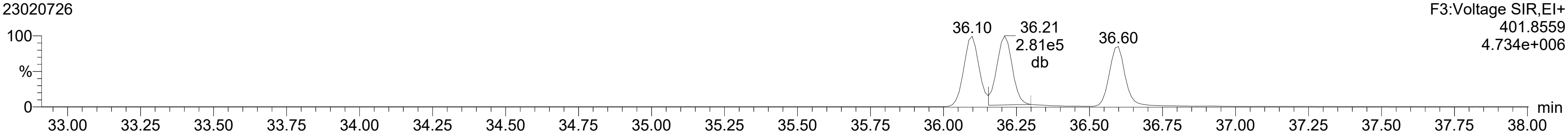

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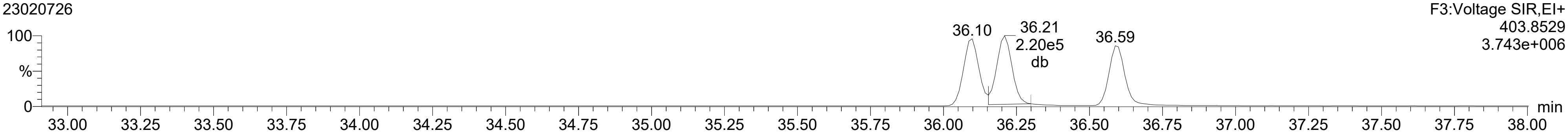

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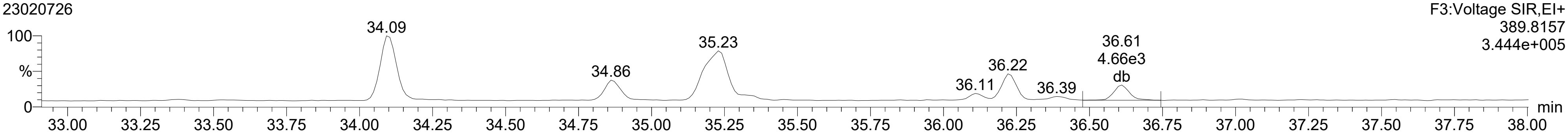
123789-HxCDD



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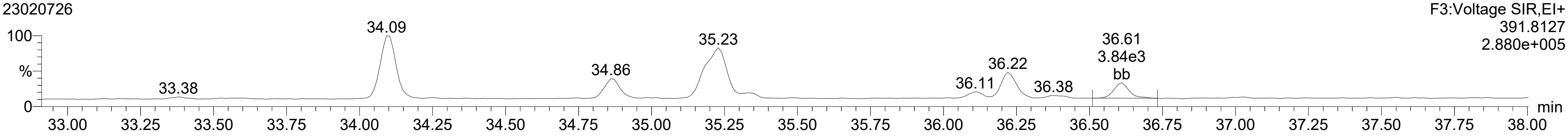

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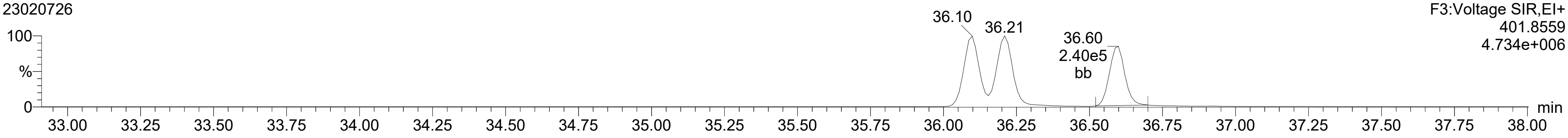

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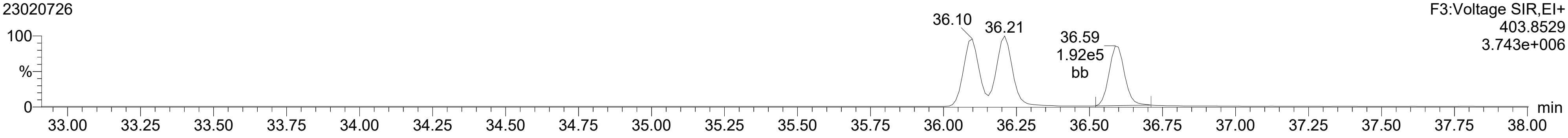

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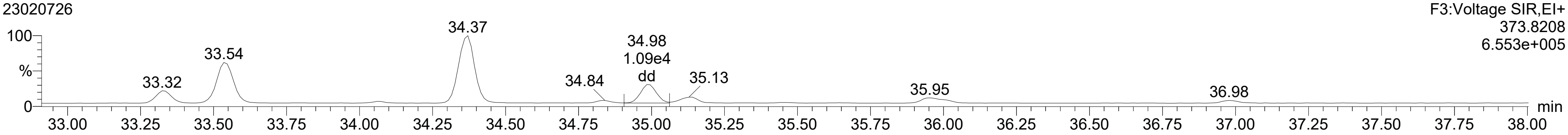

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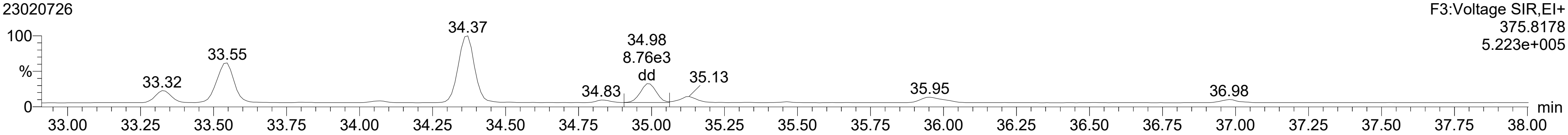

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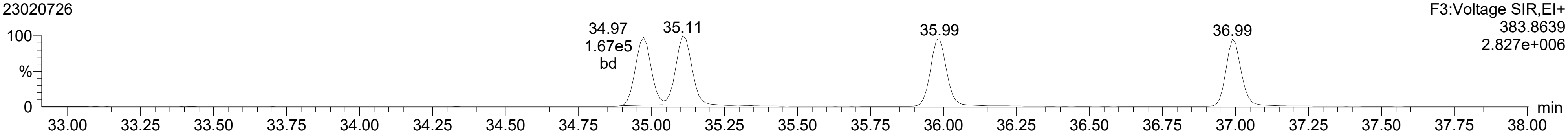

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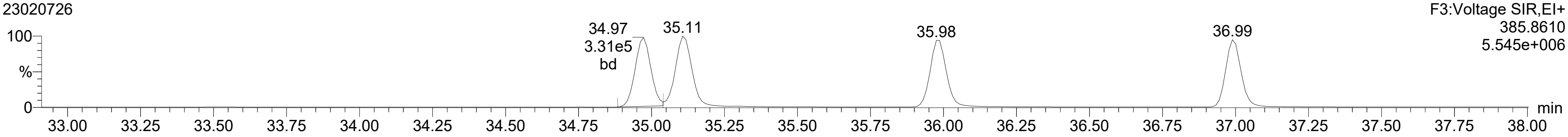
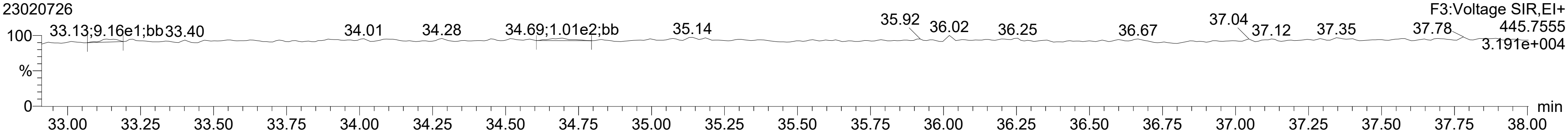


FUNCTION3 OCDPE



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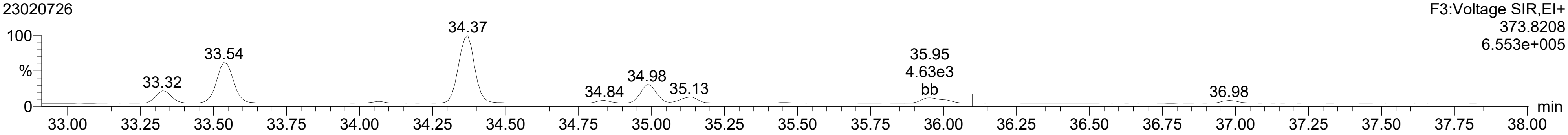
234678-HxCDF



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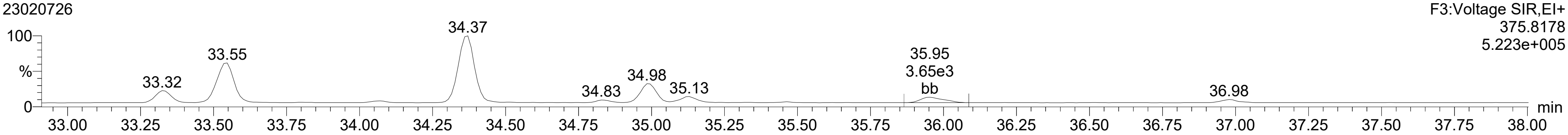

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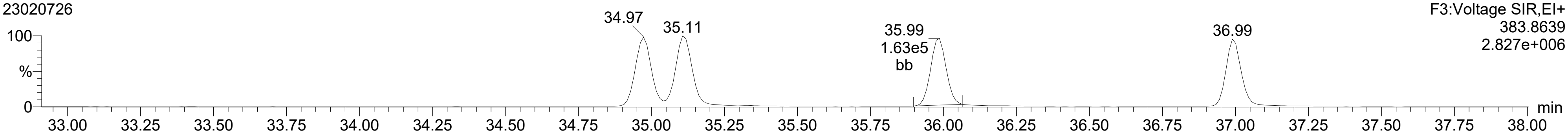

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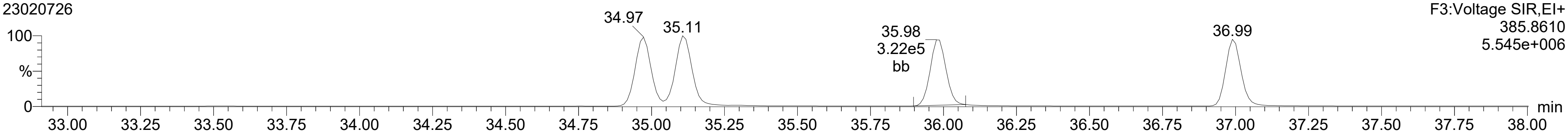

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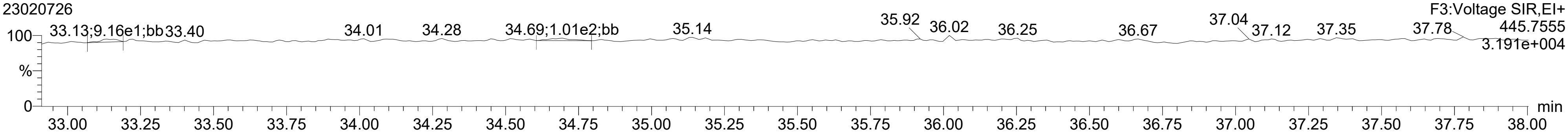

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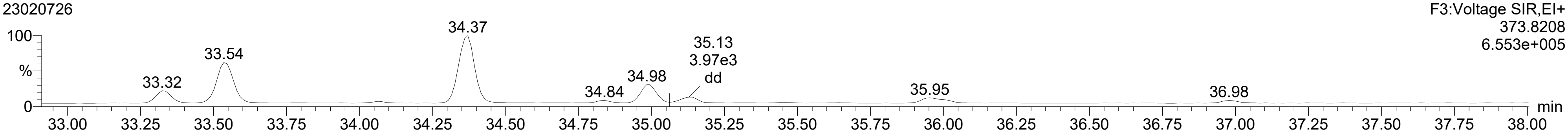
123678-HxCDF



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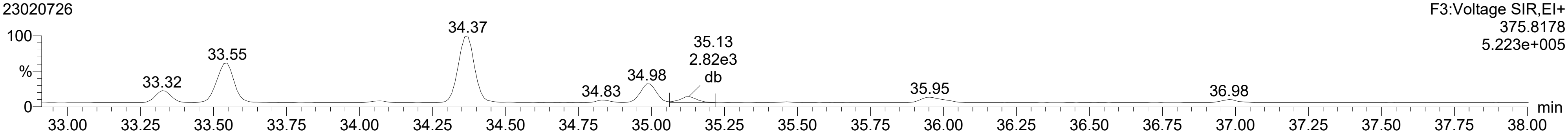

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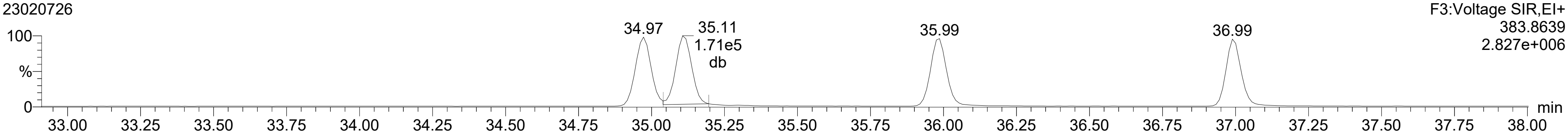

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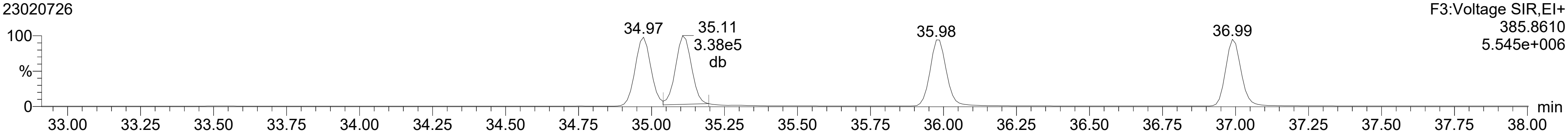

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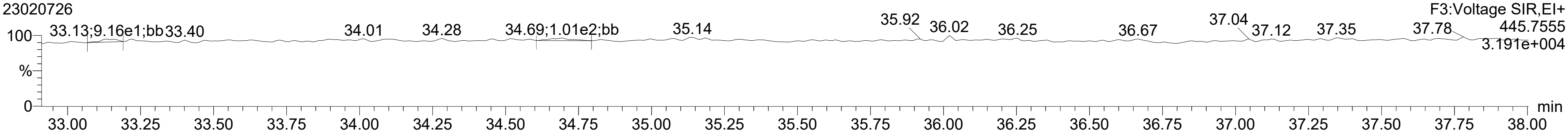
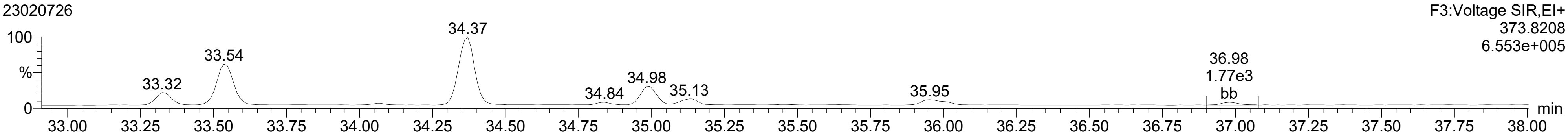


ID: BKL0420-DUP1, Name: 23020726, Date: 08-Feb-2023, Time: 05:49:21, Conditions: AUTOSPEC01, User: pk

123789-HxCDF



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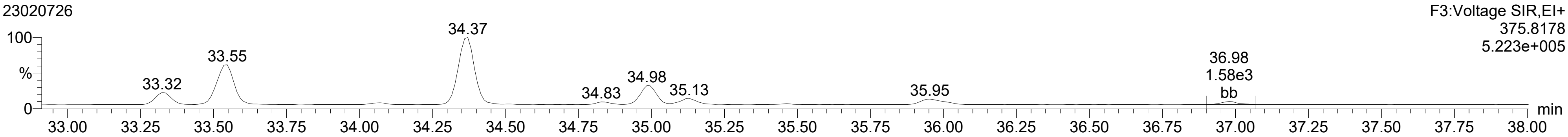

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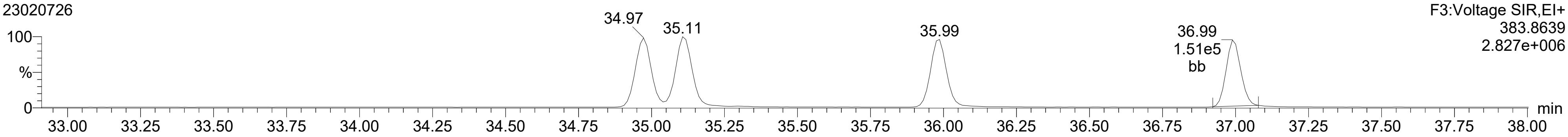

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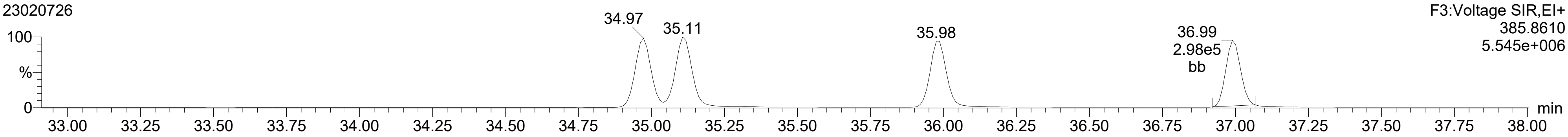
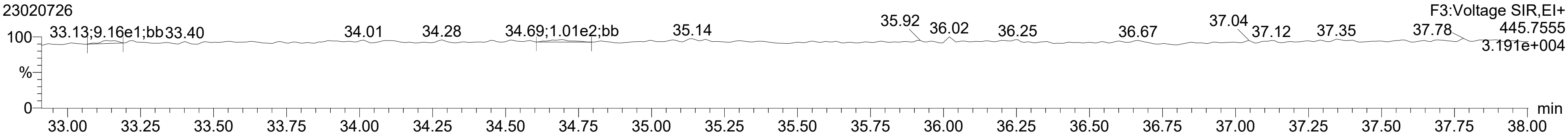
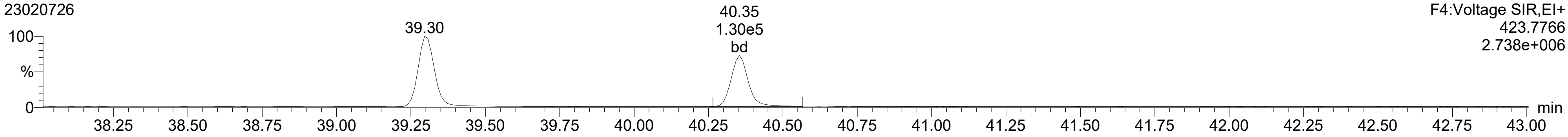


FUNCTION3 OCDPE



ID: BKL0420-DUP1, Name: 23020726, Date: 08-Feb-2023, Time: 05:49:21, Conditions: AUTOSPEC01, User: pk

1234678-HpCDD



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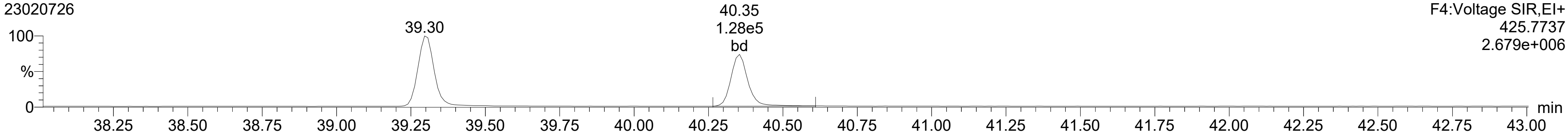
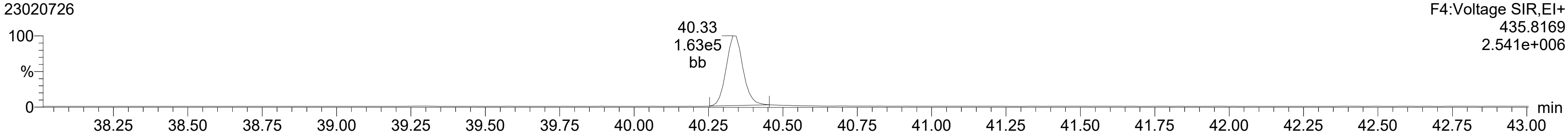


13C-1234678-HpCDD



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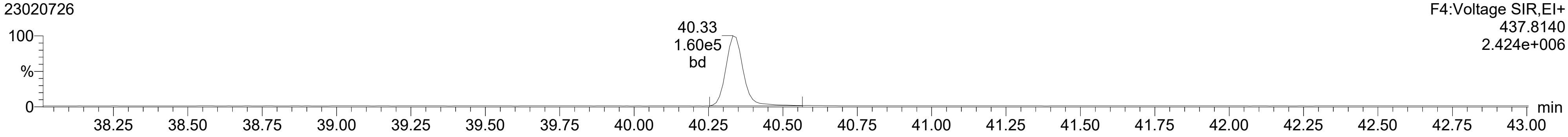
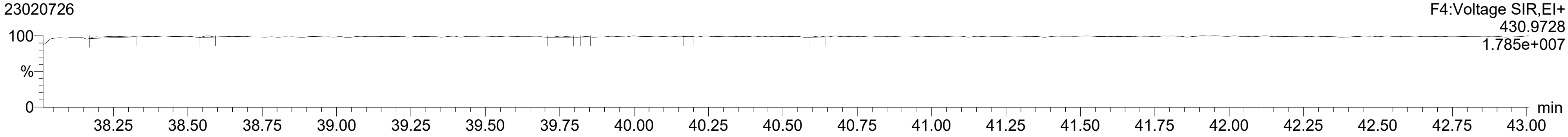
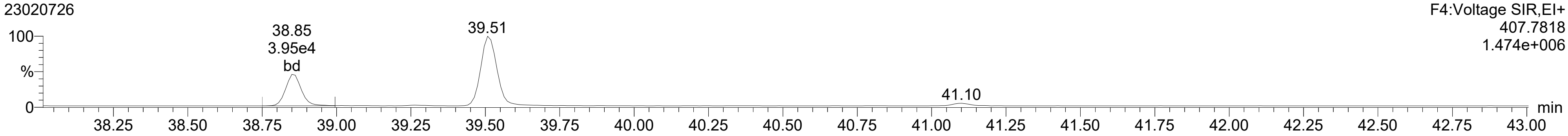


FUNCTION4 PFK



ID: BKL0420-DUP1, Name: 23020726, Date: 08-Feb-2023, Time: 05:49:21, Conditions: AUTOSPEC01, User: pk

1234678-HpCDF



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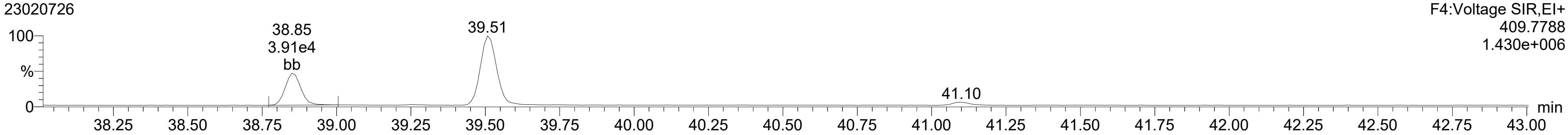

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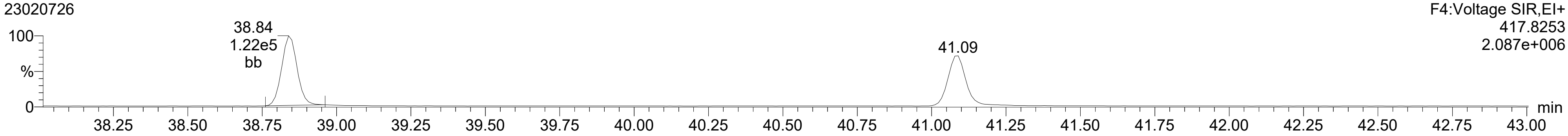

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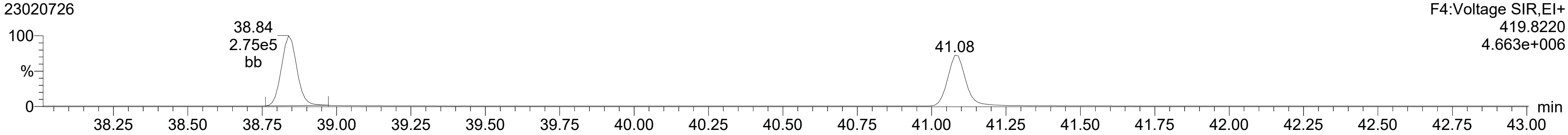
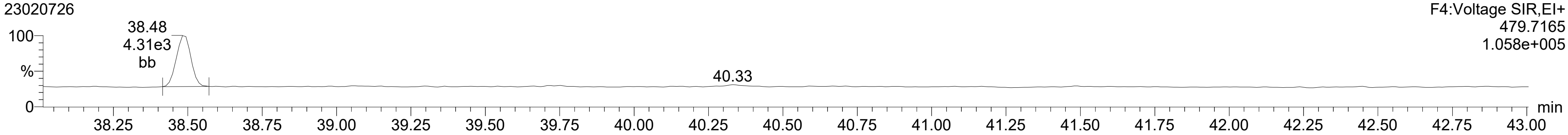
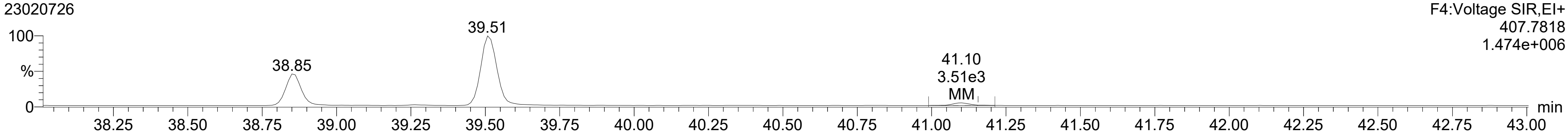


FUNCTION4 NCDPE

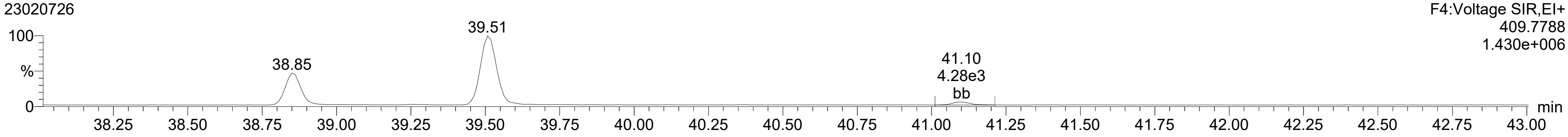


ID: BKL0420-DUP1, Name: 23020726, Date: 08-Feb-2023, Time: 05:49:21, Conditions: AUTOSPEC01, User: pk

1234789-HpCDF



1234789-HpCDF



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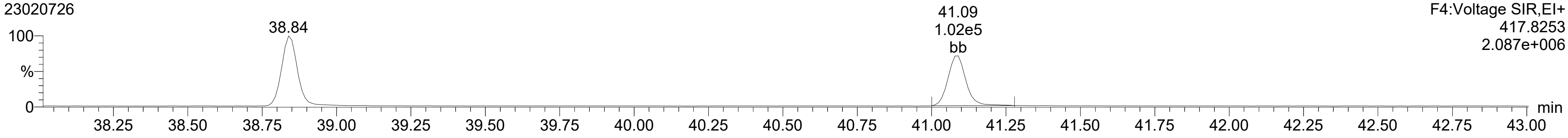

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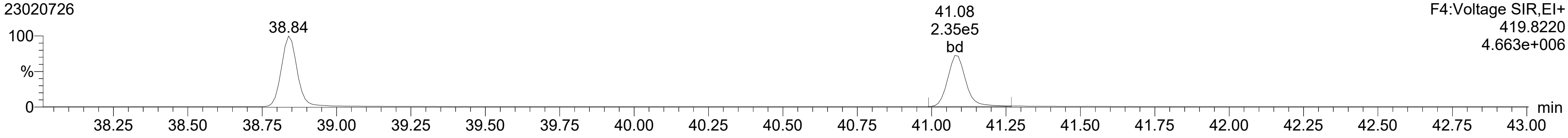
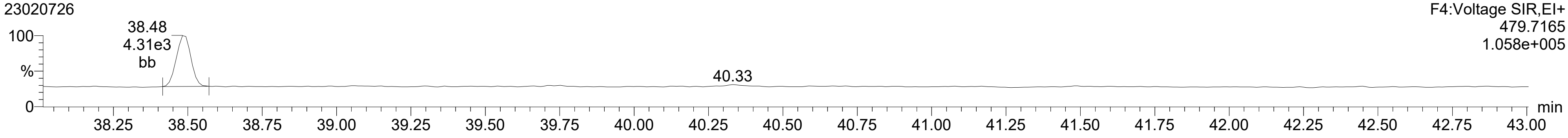
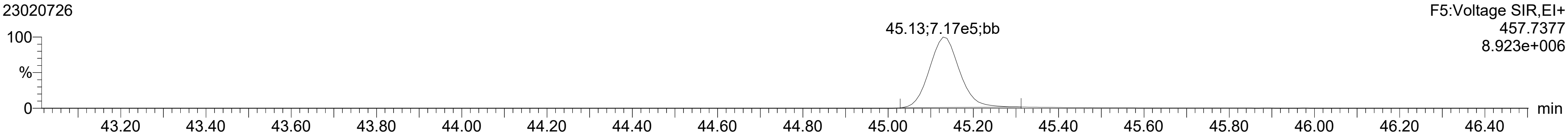


FUNCTION4 NCDPE

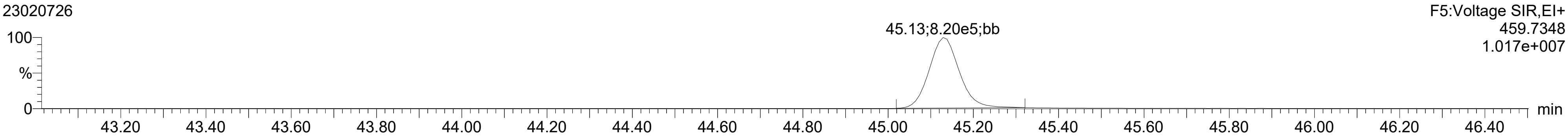


ID: BKL0420-DUP1, Name: 23020726, Date: 08-Feb-2023, Time: 05:49:21, Conditions: AUTOSPEC01, User: pk

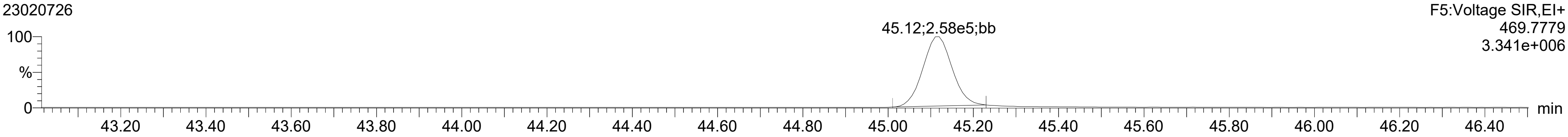
OCDD



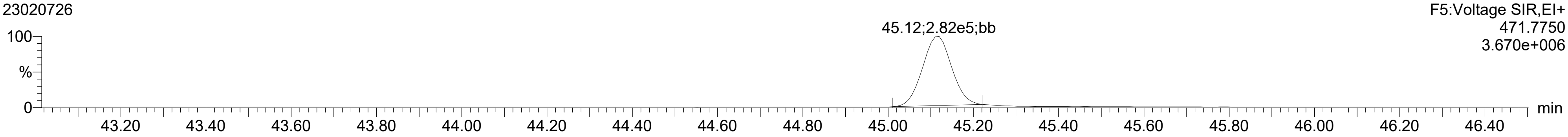
OCDD



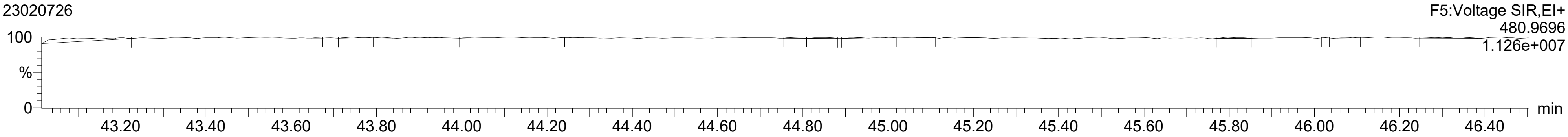
13C-OCDD



13C-OCDD

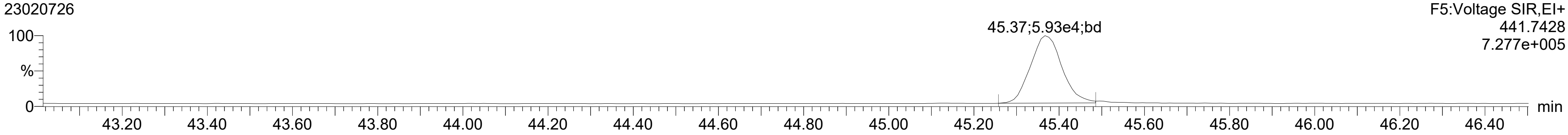


FUNCTION5 PFK

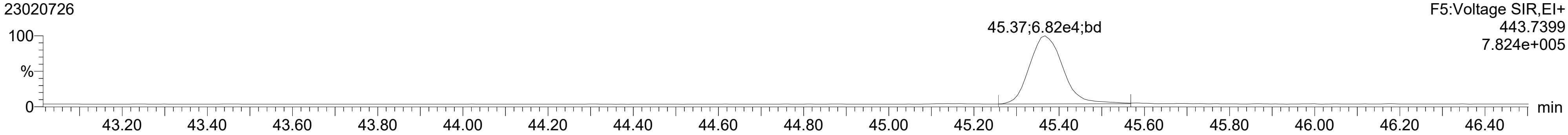


ID: BKL0420-DUP1, Name: 23020726, Date: 08-Feb-2023, Time: 05:49:21, Conditions: AUTOSPEC01, User: pk

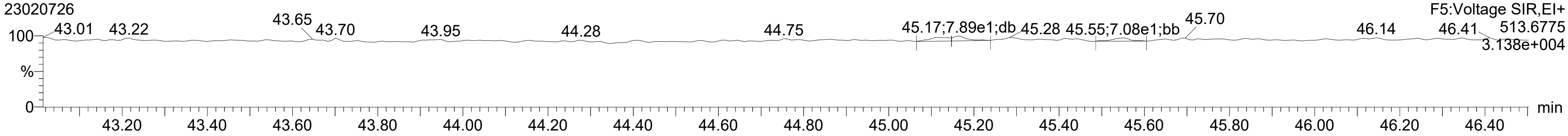
OCDF



OCDF

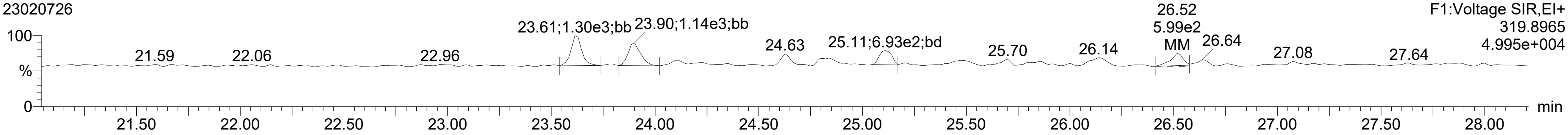


FUNCTION5 DCDPE

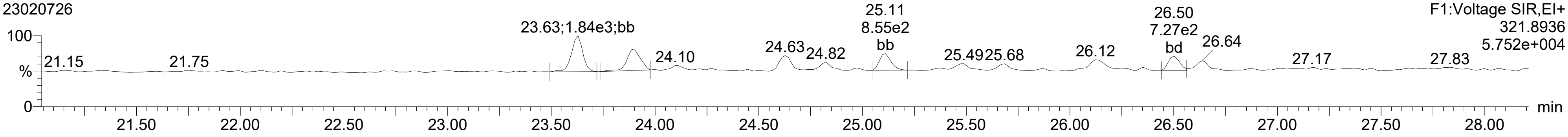


ID: BKL0420-DUP1, Name: 23020726, Date: 08-Feb-2023, Time: 05:49:21, Conditions: AUTOSPEC01, User: pk

Total-tetradioxins



Total-tetradioxins



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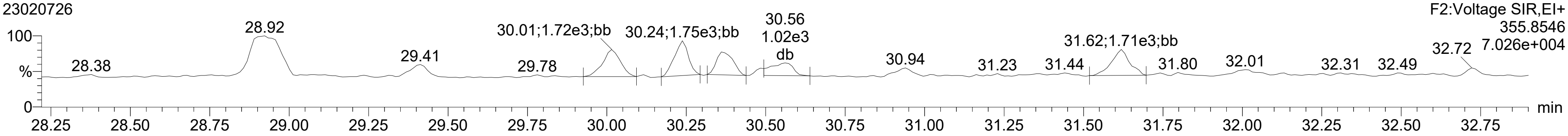
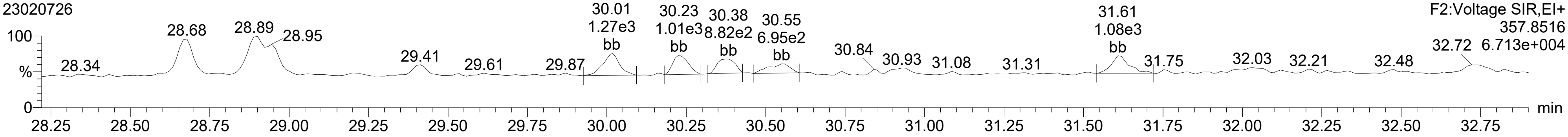
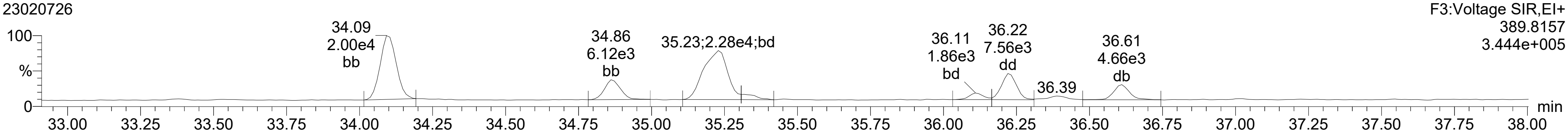


Total-pentadioxins

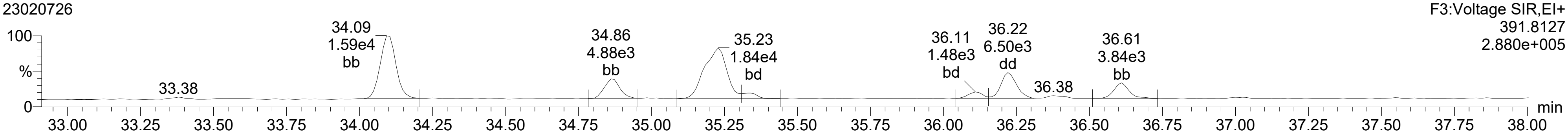


ID: BKL0420-DUP1, Name: 23020726, Date: 08-Feb-2023, Time: 05:49:21, Conditions: AUTOSPEC01, User: pk

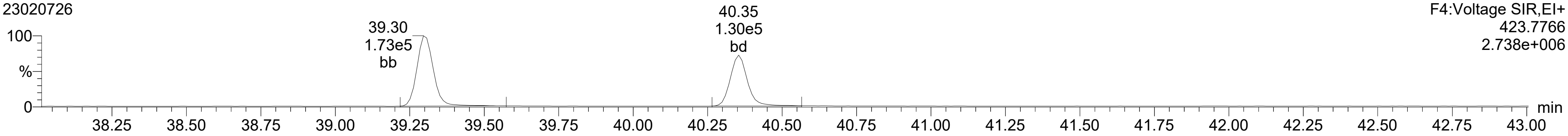
Total-hexadioxins



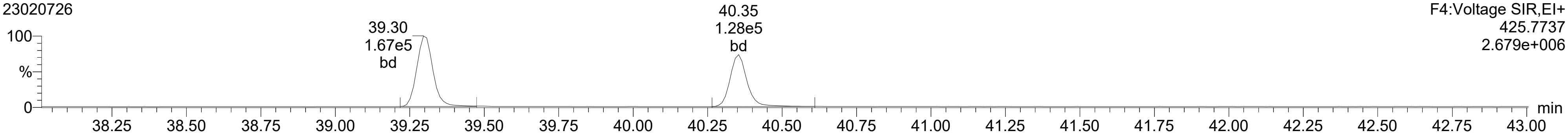
Total-hexadioxins



Total-heptadioxins

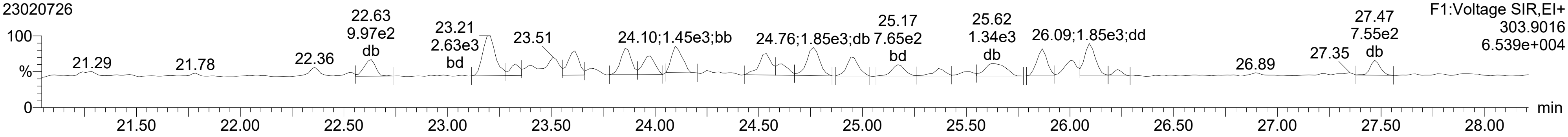


Total-heptadioxins



ID: BKL0420-DUP1, Name: 23020726, Date: 08-Feb-2023, Time: 05:49:21, Conditions: AUTOSPEC01, User: pk

Total-tetrafurans



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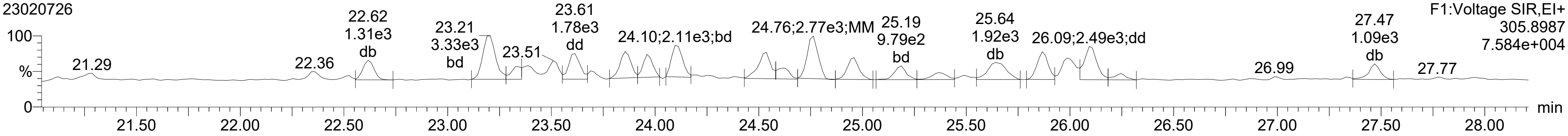
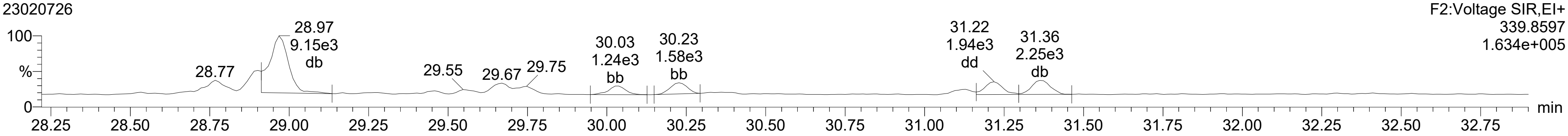


Total-pentafurans



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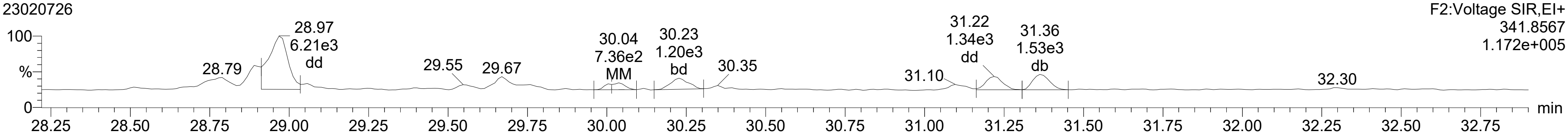

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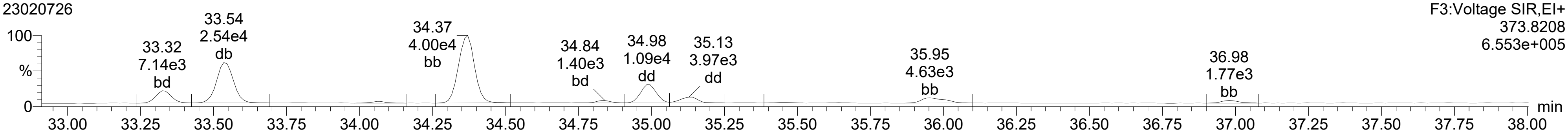
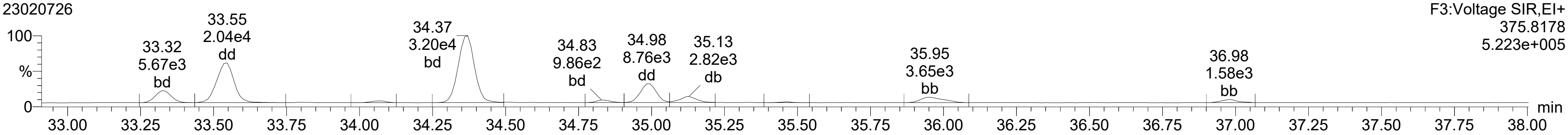
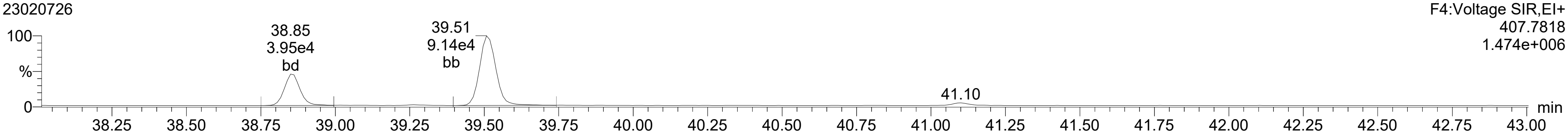


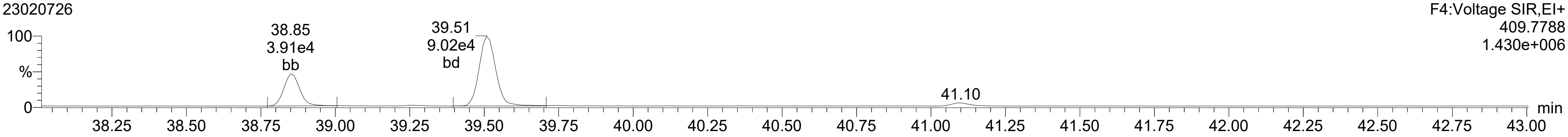
Total-hexafurans



Total-heptafurans



Total-heptafurans



STANDARD REFERENCE MATERIAL RECOVERY

EPA 1613B

Laboratory:	Analytical Resources, LLC	**SDG:**	22L0307
Client:	Anchor QEA, LLC	**Project:**	AOC4 UR Phase 3
Matrix:	Solid	**Laboratory ID:**	BKL0420-SRM1
Batch:	BKL0420	**Initial/Final:**	10 g / 20 uL
Preparation:	EPA 8290	**Analyzed:**	02/08/2023 4:59
Standard ID:	K011477	**Expires:**	06/11/2023
Standard Lot#:	PSRM0168	**Description:**	Puget Sound reference-SRM

ANALYTE	TRUE (ng/kg wet)	FOUND (ng/kg wet)	MDL	MRL	Q	SRM % REC.	QC LIMITS REC.
2,3,7,8-TCDF	1.1100	0.728	0.123	1.00	EMPC, J	65.6	50 - 150
2,3,7,8-TCDD	1.0500	0.770	0.150	1.00	EMPC, J	73.3	50 - 150
1,2,3,7,8-PeCDF	1.2300	0.811	0.240	1.00	J	65.9	50 - 150
2,3,4,7,8-PeCDF	1.0700	0.589	0.220	1.00	EMPC, J	55.0	50 - 150
1,2,3,7,8-PeCDD	1.0800	1.03	0.230	1.00		95.6	50 - 150
1,2,3,4,7,8-HxCDF	3.0200	2.13	0.280	1.00		70.5	50 - 150
1,2,3,6,7,8-HxCDF	1.0900	0.731	0.200	1.00	J, B	67.0	50 - 150
2,3,4,6,7,8-HxCDF	1.8300	1.51	0.170	1.00		82.3	50 - 150
1,2,3,7,8,9-HxCDF	0.51100	0.568	0.190	1.00	J	111	50 - 150
1,2,3,4,7,8-HxCDD	1.5900	1.21	0.195	1.00		76.3	50 - 150
1,2,3,6,7,8-HxCDD	3.8800	3.27	0.187	1.00		84.3	50 - 150
1,2,3,7,8,9-HxCDD	3.0400	2.44	0.220	1.00		80.3	50 - 150
1,2,3,4,6,7,8-HpCDF	18.700	16.6	0.210	1.00		89.0	50 - 150
1,2,3,4,7,8,9-HpCDF	1.6300	1.22	0.256	1.00		75.1	50 - 150
1,2,3,4,6,7,8-HpCDD	90.600	81.1	0.560	2.50	B	89.5	50 - 150
OCDF	58.400	42.9	1.10	2.50	B	73.5	50 - 150
OCDD	811.00	755	4.60	10.0	B	93.2	50 - 150

* Values outside of QC limits

Quantify Sample Summary Report **MassLynx MassLynx V4.1 SCN909**

Dataset: T:\Autospec\Processed Data Batch\230207D2.qld
Last Altered: Wednesday, February 08, 2023 13:13:24 Pacific Standard Time
Printed: Wednesday, February 08, 2023 13:16:08 Pacific Standard Time

Method: T:\Autospec\Methods\Dioxin230206.mdb 07 Feb 2023 09:29:10
Calibration: T:\Autospec\Curves\230201ICIH.cdb 03 Feb 2023 10:33:40

ID: BKL0420-SRM1, Name: 23020725, Date: 08-Feb-2023, Time: 04:59:57, Conditions: AUTOSPEC01, User: pk

Compound	RT	RRT	Ion1Area	Ion2Area	RRF	Ratio	Pred R	Noise 1	Noise 2	Height 1	Height 2	S/N 1	S/N 2	EMPC	Int.1	Int.2	pg
2378-TCDF	25.867	1.000	7.244e2	1.342e3	0.876	0.540	0.770	755	1013	1.20e4	1.98e4	15.8	19.5	YES	bd	bd	0.364
12378-PeCDF	30.037	1.000	1.110e3	8.014e2	0.845	1.384	1.550	1093	1029	1.75e4	1.39e4	16.0	13.5	NO	db	db	0.405
23478-PeCDF	31.374	1.001	7.092e2	7.281e2	0.911	0.974	1.550	1093	1029	1.03e4	1.06e4	9.5	10.3	YES	bb	bb	0.294
123478-HxCDF	35.007	1.001	2.970e3	2.544e3	1.182	1.168	1.240	540	777	4.41e4	4.05e4	81.6	52.1	NO	bd	bd	1.065
234678-HxCDF	35.987	1.000	2.210e3	1.721e3	1.229	1.284	1.240	540	777	2.62e4	1.93e4	48.4	24.8	NO	bb	bb	0.753
123678-HxCDF	35.140	1.001	1.126e3	1.008e3	1.248	1.117	1.240	540	777	1.74e4	1.62e4	32.2	20.9	NO	db	db	0.365
123789-HxCDF	37.001	1.000	7.349e2	6.290e2	1.187	1.168	1.240	540	777	9.77e3	8.00e3	18.1	10.3	NO	MM	bb	0.284
1234678-HpCDF	38.861	1.000	1.764e4	1.759e4	1.204	1.003	1.050	1162	940	2.88e5	2.85e5	247.7	303.2	NO	bd	bd	8.319
1234789-HpCDF	41.112	1.001	1.060e3	1.116e3	1.165	0.950	1.050	1162	940	1.74e4	1.48e4	15.0	15.7	NO	bb	bb	0.612
OCDF	45.376	1.006	2.778e4	3.230e4	1.186	0.860	0.890	808	858	3.24e5	3.85e5	400.4	448.2	NO	bb	bd	21.471
2378-TCDD	26.517	1.001	8.472e2	1.431e3	1.236	0.592	0.770	870	632	1.31e4	2.13e4	15.0	33.8	YES	bd	bd	0.385
12378-PeCDD	31.608	1.000	1.314e3	7.397e2	1.087	1.776	1.550	1071	1177	1.51e4	8.36e3	14.1	7.1	NO	MM	bb	0.517
123478-HxCDD	36.110	1.000	1.416e3	1.157e3	0.987	1.224	1.240	1007	1250	2.25e4	1.80e4	22.3	14.4	NO	bd	bd	0.607
123678-HxCDD	36.221	1.000	4.186e3	3.198e3	1.021	1.309	1.240	1007	1250	6.22e4	5.16e4	61.8	41.3	NO	dd	dd	1.635
123789-HxCDD	36.611	1.011	3.026e3	2.221e3	0.985	1.362	1.240	1007	1250	4.66e4	3.36e4	46.3	26.9	NO	bb	bb	1.221
1234678-HpCDD	40.366	1.001	7.622e4	7.137e4	1.253	1.068	1.050	1399	1996	1.10e6	1.06e6	788.8	529.3	NO	bd	bd	40.537
OCDD	45.139	1.000	4.477e5	5.348e5	1.103	0.837	0.890	1232	1581	5.46e6	6.27e6	4431.1	3967.4	NO	bb	bd	377.746
13C-2378-TCDF	25.867	1.007	2.851e5	3.634e5	1.768	0.784	0.770	2349	1814	4.32e6	5.47e6	1840.9	3018.8	NO	bb	bb	77.977
13C-12378-PeCDF	30.026	1.169	3.375e5	2.207e5	1.527	1.529	1.550	2057	1779	5.23e6	3.38e6	2540.2	1900.6	NO	bb	bb	77.722
13C-23478-PeCDF	31.352	1.221	3.239e5	2.120e5	1.466	1.528	1.550	2057	1779	4.84e6	3.21e6	2350.4	1802.6	NO	bb	bb	77.702
13C-123478-HxCDF	34.984	0.956	1.479e5	2.902e5	1.054	0.510	0.510	1447	1786	2.32e6	4.52e6	1601.5	2534.0	NO	bd	bd	83.713
13C-123678-HxCDF	35.118	0.960	1.575e5	3.104e5	1.080	0.507	0.510	1447	1786	2.53e6	4.94e6	1745.9	2765.5	NO	db	db	87.226
13C-234678-HxCDF	35.987	0.983	1.437e5	2.813e5	1.014	0.511	0.510	1447	1786	2.32e6	4.56e6	1603.9	2556.0	NO	bb	bb	84.352
13C-123789-HxCDF	37.001	1.011	1.387e5	2.662e5	0.928	0.521	0.510	1447	1786	2.28e6	4.40e6	1573.9	2464.2	NO	bb	bb	87.838
13C-1234678-HpCDF	38.850	1.061	1.096e5	2.420e5	1.036	0.453	0.440	1126	1622	1.82e6	4.00e6	1613.1	2466.7	NO	bb	bb	68.332
13C-1234789-HpCDF	41.090	1.123	9.418e4	2.108e5	0.905	0.447	0.440	1126	1622	1.30e6	2.96e6	1157.2	1826.4	NO	bd	bb	67.852
13C-1234-TCDD	25.685	0.000	2.043e5	2.660e5	1.000	0.768	0.770	1343	982	3.15e6	4.06e6	2344.1	4137.4	NO	bb	bb	100.000
13C-2378-TCDD	26.501	1.032	2.114e5	2.672e5	1.103	0.791	0.770	1343	982	3.18e6	4.04e6	2365.3	4115.7	NO	bb	bb	92.261
13C-12378-PeCDD	31.608	1.231	2.260e5	1.399e5	0.914	1.615	1.550	679	771	3.33e6	2.08e6	4915.0	2695.6	NO	bb	bb	85.087
13C-123478-HxCDD	36.098	0.986	2.430e5	1.865e5	0.933	1.303	1.240	1337	1265	3.99e6	3.12e6	2984.9	2462.0	NO	bd	bd	92.685
13C-123678-HxCDD	36.210	0.989	2.495e5	1.929e5	0.965	1.293	1.240	1337	1265	4.01e6	3.18e6	2999.8	2509.9	NO	db	db	92.340
13C-1234678-HpCDD	40.343	1.102	1.491e5	1.416e5	0.782	1.053	1.050	916	1005	2.21e6	2.09e6	2407.4	2079.5	NO	bb	bd	74.831
13C-OCDD	45.120	1.233	2.255e5	2.462e5	0.788	0.916	0.890	881	1169	2.76e6	3.00e6	3135.2	2570.1	NO	bb	bb	120.477
13C-123789-HxCDD	36.600	0.000	2.778e5	2.190e5	1.000	1.268	1.240	1337	1265	4.61e6	3.66e6	3448.2	2894.9	NO	bb	bb	100.000
37CL-2378-TCDD	26.517	1.032	1.978e5		1.233			1032		3.03e6		2937.8			bb		34.091

ID: BKL0420-SRM1, Name: 23020725, Date: 08-Feb-2023, Time: 04:59:57, Conditions: AUTOSPEC01, User: pk

Compound	RT	RRT	Ion1Area	Ion2Area	RRF	Ratio	Pred R	Noise 1	Noise 2	Height 1	Height 2	S/N 1	S/N 2	EMPC	Int.1	Int.2	pg
1368-TCDF	22.374	0.865	2.177e2	3.113e2	1.064	0.699	0.770	755	1013	4.15e3	4.62e3	5.5	4.6	NO	bd	bd	0.077
1289-TCDF	27.484	1.063	4.211e2	4.025e2	0.858	1.046	0.770	755	1013	7.37e3	6.34e3	9.8	6.3	YES	bb	bb	0.148
13468-PECDF	27.182	0.905	5.231e2	5.076e2	1.013	1.031	1.550	781	756	8.16e3	6.98e3	10.4	9.2	YES	bd	dd	0.182
12389-PECDF					0.844		1.550	1093	1029								
123468-HXCDF	33.335	0.953	3.156e3	2.548e3	1.197	1.239	1.240	540	777	5.09e4	4.15e4	94.2	53.4	NO	bd	bb	1.087
1368-TCDD	23.644	0.892	8.610e2	6.786e2	1.084	1.269	0.770	870	632	1.43e4	1.13e4	16.5	18.0	YES	bb	bb	0.297
1289-TCDD					0.975		0.770	870	632								
12479-PECDD	28.923	0.915	1.935e3	1.482e3	1.837	1.306	1.550	1071	1177	2.00e4	1.77e4	18.7	15.0	YES	bb	bb	0.508
12389-PECDD					1.252		1.550	1071	1177								
124679-HXCDD	34.104	0.945	9.855e3	8.285e3	1.033	1.189	1.240	1007	1250	1.52e5	1.18e5	151.1	94.7	NO	bb	bb	4.089
1234679-HPCDD	39.307	0.974	1.250e5	1.208e5	1.286	1.035	1.050	1399	1996	1.97e6	1.95e6	1409.3	978.4	NO	bd	bd	65.763
Total-tetrafurans			4.953e3		0.933			755		7.55e4							1.970
Total-penta1			8.507e3					781		1.05e5							2.782
Total-pentafurans			2.669e3		0.866			1093		4.22e4							0.952
Total-hexafurans			3.483e4		1.208			540		5.14e5							11.952
Total-heptafurans			5.225e4		1.185			1162		8.24e5							26.537
Total-Furans			1.310e5		1.067			755		1.88e6							65.663
Total-tetradioxins			9.175e2		1.099			870		1.38e4							0.410
Total-pentadioxins			3.248e3		1.392			1071		4.25e4							1.135
Total-hexadioxins			3.169e4		1.007			1007		4.39e5							13.177
Total-heptadioxins			2.012e5		1.269			1399		3.08e6							106.301
Total-Dioxins			6.848e5		1.165			870		9.03e6							498.769
Total-TEQ			8.157e5					870		1.09e7							564.432
FUNCTION1 PFK			6.107e5					564752		7.62e6							
FUNCTION2 PFK			2.244e5					194023		7.17e6							0.000
FUNCTION3 PFK			5.426e5					213262		9.54e6							0.000
FUNCTION4 PFK			3.007e5					145258		7.59e6							
FUNCTION5 PFK			1.342e5					105449		3.93e6							
FUNCTION1 HXCD...			1.310e3					575		2.16e4							0.000
FUNCTION1 HPCD...			4.169e3					577		7.25e4							0.000
FUNCTION2 HPCD...			2.343e2					750		4.69e3							0.000
FUNCTION3 OCDPE			9.507e1					665		1.41e3							0.000
FUNCTION4 NCDPE			8.433e3					736		1.50e5							0.000
FUNCTION5 DCDPE			0.000e0					626		0.00e0							

Method: T:\Autospec\Methods\Dioxin230206.mdb 07 Feb 2023 09:29:10
Calibration: T:\Autospec\Curves\230201ICIH.cdb 03 Feb 2023 10:33:40

ID: BKL0420-SRM1, Name: 23020725, Date: 08-Feb-2023, Time: 04:59:57, Conditions: AUTOSPEC01, User: pk

TF

	Compound	RT	Ion1Area	Ion2Area	RRF	Ratio	Pred R	S/N 1	SNFlag	EMPC	Int.1	Int.2	pg
1	Total-tetrafurans	24.57	7.081e2	1.053e3	0.933	0.67	0.77	12.2	YES	NO	bd	dd	0.291
2	Total-tetrafurans	23.96	4.881e2	6.142e2	0.933	0.79	0.77	11.3	YES	NO	db	dd	0.182
3	Total-tetrafurans	23.21	1.064e3	1.609e3	0.933	0.66	0.77	20.5	YES	NO	bd	bd	0.442
4	Total-tetrafurans	22.52	2.938e2	3.957e2	0.933	0.74	0.77	6.5	YES	NO	dd	dd	0.114
5	1368-TCDF	22.37	2.177e2	3.113e2	1.064	0.70	0.77	5.5	YES	NO	bd	bd	0.077
6	Total-tetrafurans	25.19	2.634e2	3.025e2	0.933	0.87	0.77	5.5	YES	NO	bb	bb	0.094
7	Total-tetrafurans	24.96	1.149e3	1.606e3	0.933	0.72	0.77	23.0	YES	NO	bb	bb	0.456
8	Total-tetrafurans	24.78	7.684e2	1.134e3	0.933	0.68	0.77	15.6	YES	NO	db	db	0.315

PP

	Compound	RT	Ion1Area	Ion2Area	RRF	Ratio	Pred R	S/N 1	SNFlag	EMPC	Int.1	Int.2	pg
1	Total-penta1	27.30	8.507e3	5.735e3		1.48	1.55	134.2	YES	NO	db	db	2.782

PF

	Compound	RT	Ion1Area	Ion2Area	RRF	Ratio	Pred R	S/N 1	SNFlag	EMPC	Int.1	Int.2	pg
1	12378-PeCDF	30.04	1.110e3	8.014e2	0.845	1.38	1.55	16.0	YES	NO	db	db	0.405
2	Total-pentafurans	28.59	9.569e2	5.829e2	0.866	1.64	1.55	13.6	YES	NO	dd	db	0.325
3	Total-pentafurans	28.30	6.027e2	4.472e2	0.866	1.35	1.55	9.0	YES	NO	bb	bb	0.221

HF

	Compound	RT	Ion1Area	Ion2Area	RRF	Ratio	Pred R	S/N 1	SNFlag	EMPC	Int.1	Int.2	pg
1	123789-HxCDF	37.00	7.349e2	6.290e2	1.187	1.17	1.24	18.1	YES	NO	MM	bb	0.284
2	234678-HxCDF	35.99	2.210e3	1.721e3	1.229	1.28	1.24	48.4	YES	NO	bb	bb	0.753
3	123678-HxCDF	35.14	1.126e3	1.008e3	1.248	1.12	1.24	32.2	YES	NO	db	db	0.365
4	123478-HxCDF	35.01	2.970e3	2.544e3	1.182	1.17	1.24	81.6	YES	NO	bd	bd	1.065
5	Total-hexafurans	34.37	1.366e4	1.071e4	1.208	1.27	1.24	381.7	YES	NO	bb	bb	4.646
6	Total-hexafurans	34.06	2.810e2	2.319e2	1.208	1.21	1.24	8.0	YES	NO	bb	bb	0.098
7	Total-hexafurans	33.55	1.069e4	8.466e3	1.208	1.26	1.24	287.9	YES	NO	db	bb	3.653
8	123468-HXCDF	33.34	3.156e3	2.548e3	1.197	1.24	1.24	94.2	YES	NO	bd	bb	1.087

ID: BKL0420-SRM1, Name: 23020725, Date: 08-Feb-2023, Time: 04:59:57, Conditions: AUTOSPEC01, User: pk

HPF

	Compound	RT	Ion1Area	Ion2Area	RRF	Ratio	Pred R	S/N 1	SNFlag	EMPC	Int.1	Int.2	pg
1	1234678-HpCDF	38.86	1.764e4	1.759e4	1.204	1.00	1.05	247.7	YES	NO	bd	bd	8.319
2	1234789-HpCDF	41.11	1.060e3	1.116e3	1.165	0.95	1.05	15.0	YES	NO	bb	bb	0.612
3	Total-heptafurans	39.67	3.069e2	2.879e2	1.185	1.07	1.05	7.2	YES	NO	dd	db	0.153
4	Total-heptafurans	39.52	3.324e4	3.465e4	1.185	0.96	1.05	438.7	YES	NO	bd	bd	17.453

Furans,TF,PP,PF,HF,HPF,OF

	Compound	RT	Ion1Area	Ion2Area	RRF	Ratio	Pred R	S/N 1	SNFlag	EMPC	Int.1	Int.2	pg
1	Total-tetrafurans	24.57	7.081e2	1.053e3	0.933	0.67	0.77	12.2	YES	NO	bd	dd	0.291
2	Total-tetrafurans	23.96	4.881e2	6.142e2	0.933	0.79	0.77	11.3	YES	NO	db	dd	0.182
3	Total-tetrafurans	23.21	1.064e3	1.609e3	0.933	0.66	0.77	20.5	YES	NO	bd	bd	0.442
4	Total-tetrafurans	22.52	2.938e2	3.957e2	0.933	0.74	0.77	6.5	YES	NO	dd	dd	0.114
5	1368-TCDF	22.37	2.177e2	3.113e2	1.064	0.70	0.77	5.5	YES	NO	bd	bd	0.077
6	Total-tetrafurans	25.19	2.634e2	3.025e2	0.933	0.87	0.77	5.5	YES	NO	bb	bb	0.094
7	Total-tetrafurans	24.96	1.149e3	1.606e3	0.933	0.72	0.77	23.0	YES	NO	bb	bb	0.456
8	Total-tetrafurans	24.78	7.684e2	1.134e3	0.933	0.68	0.77	15.6	YES	NO	db	db	0.315
9	12378-PeCDF	30.04	1.110e3	8.014e2	0.845	1.38	1.55	16.0	YES	NO	db	db	0.405
10	Total-pentafurans	28.59	9.569e2	5.829e2	0.866	1.64	1.55	13.6	YES	NO	dd	db	0.325
11	Total-pentafurans	28.30	6.027e2	4.472e2	0.866	1.35	1.55	9.0	YES	NO	bb	bb	0.221
12	123789-HxCDF	37.00	7.349e2	6.290e2	1.187	1.17	1.24	18.1	YES	NO	MM	bb	0.284
13	234678-HxCDF	35.99	2.210e3	1.721e3	1.229	1.28	1.24	48.4	YES	NO	bb	bb	0.753
14	123678-HxCDF	35.14	1.126e3	1.008e3	1.248	1.12	1.24	32.2	YES	NO	db	db	0.365
15	123478-HxCDF	35.01	2.970e3	2.544e3	1.182	1.17	1.24	81.6	YES	NO	bd	bd	1.065
16	Total-hexafurans	34.37	1.366e4	1.071e4	1.208	1.27	1.24	381.7	YES	NO	bb	bb	4.646
17	Total-hexafurans	34.06	2.810e2	2.319e2	1.208	1.21	1.24	8.0	YES	NO	bb	bb	0.098
18	Total-hexafurans	33.55	1.069e4	8.466e3	1.208	1.26	1.24	287.9	YES	NO	db	bb	3.653
19	123468-HXCDF	33.34	3.156e3	2.548e3	1.197	1.24	1.24	94.2	YES	NO	bd	bb	1.087
20	1234678-HpCDF	38.86	1.764e4	1.759e4	1.204	1.00	1.05	247.7	YES	NO	bd	bd	8.319
21	1234789-HpCDF	41.11	1.060e3	1.116e3	1.165	0.95	1.05	15.0	YES	NO	bb	bb	0.612
22	Total-heptafurans	39.67	3.069e2	2.879e2	1.185	1.07	1.05	7.2	YES	NO	dd	db	0.153
23	Total-heptafurans	39.52	3.324e4	3.465e4	1.185	0.96	1.05	438.7	YES	NO	bd	bd	17.453
24	OCDF	45.38	2.778e4	3.230e4	1.186	0.86	0.89	400.4	YES	NO	bb	bd	21.471
25	Total-penta1	27.30	8.507e3	5.735e3		1.48	1.55	134.2	YES	NO	db	db	2.782

ID: BKL0420-SRM1, Name: 23020725, Date: 08-Feb-2023, Time: 04:59:57, Conditions: AUTOSPEC01, User: pk

TD

	Compound	RT	Ion1Area	Ion2Area	RRF	Ratio	Pred R	S/N 1	SNFlag	EMPC	Int.1	Int.2	pg
1	Total-tetradioxins	24.64	5.769e2	7.342e2	1.099	0.79	0.77	9.0	YES	NO	bb	bb	0.249
2	Total-tetradioxins	26.14	3.406e2	5.028e2	1.099	0.68	0.77	6.9	YES	NO	bb	bb	0.160

PD

	Compound	RT	Ion1Area	Ion2Area	RRF	Ratio	Pred R	S/N 1	SNFlag	EMPC	Int.1	Int.2	pg
1	12378-PeCDD	31.61	1.314e3	7.397e2	1.087	1.78	1.55	14.1	YES	NO	MM	bb	0.517
2	Total-pentadioxins	30.24	1.142e3	6.444e2	1.392	1.77	1.55	14.9	YES	NO	bd	bd	0.351
3	Total-pentadioxins	30.01	7.918e2	5.720e2	1.392	1.38	1.55	10.7	YES	NO	bb	bb	0.268

HD

	Compound	RT	Ion1Area	Ion2Area	RRF	Ratio	Pred R	S/N 1	SNFlag	EMPC	Int.1	Int.2	pg
1	123789-HxCDD	36.61	3.026e3	2.221e3	0.985	1.36	1.24	46.3	YES	NO	bb	bb	1.221
2	123678-HxCDD	36.22	4.186e3	3.198e3	1.021	1.31	1.24	61.8	YES	NO	dd	dd	1.635
3	123478-HxCDD	36.11	1.416e3	1.157e3	0.987	1.22	1.24	22.3	YES	NO	bd	bd	0.607
4	Total-hexadioxins	35.24	1.135e4	9.786e3	1.007	1.16	1.24	120.7	YES	NO	bd	bd	4.817
5	Total-hexadioxins	34.87	1.850e3	1.698e3	1.007	1.09	1.24	33.4	YES	NO	bb	bb	0.808
6	124679-HXCDD	34.10	9.855e3	8.285e3	1.033	1.19	1.24	151.1	YES	NO	bb	bb	4.089

HPD

	Compound	RT	Ion1Area	Ion2Area	RRF	Ratio	Pred R	S/N 1	SNFlag	EMPC	Int.1	Int.2	pg
1	1234678-HpCDD	40.37	7.622e4	7.137e4	1.253	1.07	1.05	788.8	YES	NO	bd	bd	40.537
2	1234679-HPCDD	39.31	1.250e5	1.208e5	1.286	1.03	1.05	1409.3	YES	NO	bd	bd	65.763

ID: BKL0420-SRM1, Name: 23020725, Date: 08-Feb-2023, Time: 04:59:57, Conditions: AUTOSPEC01, User: pk

Dioxins,TD,PD,HD,HPD,OD

	Compound	RT	Ion1Area	Ion2Area	RRF	Ratio	Pred R	S/N 1	SNFlag	EMPC	Int.1	Int.2	pg
1	Total-tetradioxins	24.64	5.769e2	7.342e2	1.099	0.79	0.77	9.0	YES	NO	bb	bb	0.249
2	Total-tetradioxins	26.14	3.406e2	5.028e2	1.099	0.68	0.77	6.9	YES	NO	bb	bb	0.160
3	12378-PeCDD	31.61	1.314e3	7.397e2	1.087	1.78	1.55	14.1	YES	NO	MM	bb	0.517
4	Total-pentadioxins	30.24	1.142e3	6.444e2	1.392	1.77	1.55	14.9	YES	NO	bd	bd	0.351
5	Total-pentadioxins	30.01	7.918e2	5.720e2	1.392	1.38	1.55	10.7	YES	NO	bb	bb	0.268
6	123789-HxCDD	36.61	3.026e3	2.221e3	0.985	1.36	1.24	46.3	YES	NO	bb	bb	1.221
7	123678-HxCDD	36.22	4.186e3	3.198e3	1.021	1.31	1.24	61.8	YES	NO	dd	dd	1.635
8	123478-HxCDD	36.11	1.416e3	1.157e3	0.987	1.22	1.24	22.3	YES	NO	bd	bd	0.607
9	Total-hexadioxins	35.24	1.135e4	9.786e3	1.007	1.16	1.24	120.7	YES	NO	bd	bd	4.817
10	Total-hexadioxins	34.87	1.850e3	1.698e3	1.007	1.09	1.24	33.4	YES	NO	bb	bb	0.808
11	124679-HXCDD	34.10	9.855e3	8.285e3	1.033	1.19	1.24	151.1	YES	NO	bb	bb	4.089
12	1234678-HpCDD	40.37	7.622e4	7.137e4	1.253	1.07	1.05	788.8	YES	NO	bd	bd	40.537
13	1234679-HPCDD	39.31	1.250e5	1.208e5	1.286	1.03	1.05	1409.3	YES	NO	bd	bd	65.763
14	OCDD	45.14	4.477e5	5.348e5	1.103	0.84	0.89	4431.1	YES	NO	bb	bd	377.746

ID: BKL0420-SRM1, Name: 23020725, Date: 08-Feb-2023, Time: 04:59:57, Conditions: AUTOSPEC01, User: pk

TotalTEQ,Furans,Dioxins

	Compound	RT	Ion1Area	Ion2Area	RRF	Ratio	Pred R	S/N 1	SNFlag	EMPC	Int.1	Int.2	pg
1	Total-tetrafurans	24.57	7.081e2	1.053e3	0.933	0.67	0.77	12.2	YES	NO	bd	dd	0.291
2	Total-tetrafurans	23.96	4.881e2	6.142e2	0.933	0.79	0.77	11.3	YES	NO	db	dd	0.182
3	Total-tetrafurans	23.21	1.064e3	1.609e3	0.933	0.66	0.77	20.5	YES	NO	bd	bd	0.442
4	Total-tetrafurans	22.52	2.938e2	3.957e2	0.933	0.74	0.77	6.5	YES	NO	dd	dd	0.114
5	1368-TCDF	22.37	2.177e2	3.113e2	1.064	0.70	0.77	5.5	YES	NO	bd	bd	0.077
6	Total-tetrafurans	25.19	2.634e2	3.025e2	0.933	0.87	0.77	5.5	YES	NO	bb	bb	0.094
7	Total-tetrafurans	24.96	1.149e3	1.606e3	0.933	0.72	0.77	23.0	YES	NO	bb	bb	0.456
8	Total-tetrafurans	24.78	7.684e2	1.134e3	0.933	0.68	0.77	15.6	YES	NO	db	db	0.315
9	12378-PeCDF	30.04	1.110e3	8.014e2	0.845	1.38	1.55	16.0	YES	NO	db	db	0.405
10	Total-pentafurans	28.59	9.569e2	5.829e2	0.866	1.64	1.55	13.6	YES	NO	dd	db	0.325
11	Total-pentafurans	28.30	6.027e2	4.472e2	0.866	1.35	1.55	9.0	YES	NO	bb	bb	0.221
12	123789-HxCDF	37.00	7.349e2	6.290e2	1.187	1.17	1.24	18.1	YES	NO	MM	bb	0.284
13	234678-HxCDF	35.99	2.210e3	1.721e3	1.229	1.28	1.24	48.4	YES	NO	bb	bb	0.753
14	123678-HxCDF	35.14	1.126e3	1.008e3	1.248	1.12	1.24	32.2	YES	NO	db	db	0.365
15	123478-HxCDF	35.01	2.970e3	2.544e3	1.182	1.17	1.24	81.6	YES	NO	bd	bd	1.065
16	Total-hexafurans	34.37	1.366e4	1.071e4	1.208	1.27	1.24	381.7	YES	NO	bb	bb	4.646
17	Total-hexafurans	34.06	2.810e2	2.319e2	1.208	1.21	1.24	8.0	YES	NO	bb	bb	0.098
18	Total-hexafurans	33.55	1.069e4	8.466e3	1.208	1.26	1.24	287.9	YES	NO	db	bb	3.653
19	123468-HXCDF	33.34	3.156e3	2.548e3	1.197	1.24	1.24	94.2	YES	NO	bd	bb	1.087
20	1234678-HpCDF	38.86	1.764e4	1.759e4	1.204	1.00	1.05	247.7	YES	NO	bd	bd	8.319
21	1234789-HpCDF	41.11	1.060e3	1.116e3	1.165	0.95	1.05	15.0	YES	NO	bb	bb	0.612
22	Total-heptafurans	39.67	3.069e2	2.879e2	1.185	1.07	1.05	7.2	YES	NO	dd	db	0.153
23	Total-heptafurans	39.52	3.324e4	3.465e4	1.185	0.96	1.05	438.7	YES	NO	bd	bd	17.453
24	OCDF	45.38	2.778e4	3.230e4	1.186	0.86	0.89	400.4	YES	NO	bb	bd	21.471
25	Total-penta1	27.30	8.507e3	5.735e3		1.48	1.55	134.2	YES	NO	db	db	2.782
26	Total-tetradioxins	24.64	5.769e2	7.342e2	1.099	0.79	0.77	9.0	YES	NO	bb	bb	0.249
27	Total-tetradioxins	26.14	3.406e2	5.028e2	1.099	0.68	0.77	6.9	YES	NO	bb	bb	0.160
28	12378-PeCDD	31.61	1.314e3	7.397e2	1.087	1.78	1.55	14.1	YES	NO	MM	bb	0.517
29	Total-pentadioxins	30.24	1.142e3	6.444e2	1.392	1.77	1.55	14.9	YES	NO	bd	bd	0.351
30	Total-pentadioxins	30.01	7.918e2	5.720e2	1.392	1.38	1.55	10.7	YES	NO	bb	bb	0.268
31	123789-HxCDD	36.61	3.026e3	2.221e3	0.985	1.36	1.24	46.3	YES	NO	bb	bb	1.221
32	123678-HxCDD	36.22	4.186e3	3.198e3	1.021	1.31	1.24	61.8	YES	NO	dd	dd	1.635
33	123478-HxCDD	36.11	1.416e3	1.157e3	0.987	1.22	1.24	22.3	YES	NO	bd	bd	0.607
34	Total-hexadioxins	35.24	1.135e4	9.786e3	1.007	1.16	1.24	120.7	YES	NO	bd	bd	4.817
35	Total-hexadioxins	34.87	1.850e3	1.698e3	1.007	1.09	1.24	33.4	YES	NO	bb	bb	0.808
36	124679-HXCDD	34.10	9.855e3	8.285e3	1.033	1.19	1.24	151.1	YES	NO	bb	bb	4.089
37	1234678-HpCDD	40.37	7.622e4	7.137e4	1.253	1.07	1.05	788.8	YES	NO	bd	bd	40.537

ID: BKL0420-SRM1, Name: 23020725, Date: 08-Feb-2023, Time: 04:59:57, Conditions: AUTOSPEC01, User: pk

TotalTEQ,Furans,Dioxins

	Compound	RT	Ion1Area	Ion2Area	RRF	Ratio	Pred R	S/N 1	SNFlag	EMPC	Int.1	Int.2	pg
38	1234679-HPCDD	39.31	1.250e5	1.208e5	1.286	1.03	1.05	1409.3	YES	NO	bd	bd	65.763
39	OCDD	45.14	4.477e5	5.348e5	1.103	0.84	0.89	4431.1	YES	NO	bb	bd	377.746

PFK1

	Compound	RT	Ion1Area	Ion2Area	RRF	Ratio	Pred R	S/N 1	SNFlag	EMPC	Int.1	Int.2	pg
1	FUNCTION1 PFK	23.72	2.283e4					1.2	NO		bd		
2	FUNCTION1 PFK	23.49	2.416e4					1.3	NO		bb		
3	FUNCTION1 PFK	23.19	4.366e3					0.5	NO		bb		
4	FUNCTION1 PFK	22.42	2.748e4					1.4	NO		bb		
5	FUNCTION1 PFK	22.36	5.937e3					0.7	NO		bb		
6	FUNCTION1 PFK	21.69	3.991e5					1.9	NO		bb		
7	FUNCTION1 PFK	21.22	6.085e4					1.8	NO		bb		
8	FUNCTION1 PFK	27.88	4.101e3					0.5	NO		bb		
9	FUNCTION1 PFK	26.96	1.296e4					0.8	NO		bb		
10	FUNCTION1 PFK	25.44	1.344e4					0.9	NO		bb		
11	FUNCTION1 PFK	24.93	1.859e4					1.1	NO		bb		
12	FUNCTION1 PFK	24.69	4.890e3					0.6	NO		bb		
13	FUNCTION1 PFK	23.78	1.205e4					0.8	NO		db		

ID: BKL0420-SRM1, Name: 23020725, Date: 08-Feb-2023, Time: 04:59:57, Conditions: AUTOSPEC01, User: pk

PFK2

	Compound	RT	Ion1Area	Ion2Area	RRF	Ratio	Pred R	S/N 1	SNFlag	EMPC	Int.1	Int.2	pg
1	FUNCTION2 PFK	29.05	4.470e3					1.2	NO		bb		0.000
2	FUNCTION2 PFK	28.87	9.541e3					1.6	NO		bb		0.000
3	FUNCTION2 PFK	28.80	3.847e3					0.8	NO		bb		0.000
4	FUNCTION2 PFK	28.62	6.856e3					1.0	NO		bb		0.000
5	FUNCTION2 PFK	28.56	1.352e4					1.6	NO		db		0.000
6	FUNCTION2 PFK	28.49	1.303e4					1.9	NO		dd		0.000
7	FUNCTION2 PFK	28.44	1.430e4					2.1	NO		bd		0.000
8	FUNCTION2 PFK	28.38	6.261e3					1.5	NO		db		0.000
9	FUNCTION2 PFK	28.34	7.107e3					1.2	NO		bd		0.000
10	FUNCTION2 PFK	31.71	1.070e4					1.6	NO		bd		0.000
11	FUNCTION2 PFK	31.15	2.029e3					0.6	NO		bb		0.000
12	FUNCTION2 PFK	30.68	3.644e3					0.9	NO		bb		0.000
13	FUNCTION2 PFK	30.61	2.256e3					0.6	NO		bb		0.000
14	FUNCTION2 PFK	30.36	8.582e3					1.4	NO		bb		0.000
15	FUNCTION2 PFK	30.25	1.977e3					0.5	NO		bb		0.000
16	FUNCTION2 PFK	30.15	1.340e3					0.6	NO		bb		0.000
17	FUNCTION2 PFK	30.08	8.817e2					0.4	NO		bb		0.000
18	FUNCTION2 PFK	29.96	1.047e3					0.5	NO		bb		0.000
19	FUNCTION2 PFK	29.70	3.466e3					0.4	NO		bb		0.000
20	FUNCTION2 PFK	29.50	5.378e3					1.3	NO		bb		0.000
21	FUNCTION2 PFK	29.44	4.840e3					0.9	NO		bb		0.000
22	FUNCTION2 PFK	29.27	8.009e2					0.4	NO		bb		0.000
23	FUNCTION2 PFK	29.22	4.737e3					1.1	NO		db		0.000
24	FUNCTION2 PFK	29.15	1.225e4					1.7	NO		bd		0.000
25	FUNCTION2 PFK	29.09	1.117e3					0.5	NO		bb		0.000
26	FUNCTION2 PFK	32.80	1.222e4					1.8	NO		db		0.000
27	FUNCTION2 PFK	32.76	5.229e3					1.1	NO		bd		0.000
28	FUNCTION2 PFK	32.63	3.257e4					2.2	NO		bb		0.000
29	FUNCTION2 PFK	32.41	7.752e3					1.4	NO		bb		0.000
30	FUNCTION2 PFK	32.21	1.221e4					1.7	NO		bb		0.000
31	FUNCTION2 PFK	32.06	1.094e3					0.5	NO		bb		0.000
32	FUNCTION2 PFK	31.98	3.680e3					0.9	NO		bb		0.000
33	FUNCTION2 PFK	31.75	5.654e3					0.9	NO		db		0.000

ID: BKL0420-SRM1, Name: 23020725, Date: 08-Feb-2023, Time: 04:59:57, Conditions: AUTOSPEC01, User: pk

PFK3

	Compound	RT	Ion1Area	Ion2Area	RRF	Ratio	Pred R	S/N 1	SNFlag	EMPC	Int.1	Int.2	pg
1	FUNCTION3 PFK	33.74	9.089e3					1.5	NO		db		0.000
2	FUNCTION3 PFK	33.70	5.239e3					1.2	NO		bd		0.000
3	FUNCTION3 PFK	33.35	1.425e3					0.6	NO		bb		0.000
4	FUNCTION3 PFK	33.13	3.647e4					3.5	YES		bb		0.000
5	FUNCTION3 PFK	33.08	1.095e4					2.1	NO		bb		0.000
6	FUNCTION3 PFK	33.00	1.630e4					3.3	YES		db		0.000
7	FUNCTION3 PFK	32.98	1.527e4					3.0	NO		bd		0.000
8	FUNCTION3 PFK	36.83	1.669e5					5.8	YES		db		0.000
9	FUNCTION3 PFK	36.78	3.729e4					3.6	YES		bd		0.000
10	FUNCTION3 PFK	36.54	1.337e4					1.3	NO		bb		0.000
11	FUNCTION3 PFK	36.21	8.151e3					1.2	NO		bb		0.000
12	FUNCTION3 PFK	35.73	1.143e4					1.5	NO		bb		0.000
13	FUNCTION3 PFK	35.52	2.120e4					1.6	NO		bb		0.000
14	FUNCTION3 PFK	35.43	3.556e3					0.8	NO		bb		0.000
15	FUNCTION3 PFK	35.24	4.933e3					0.8	NO		bb		0.000
16	FUNCTION3 PFK	34.98	1.784e4					2.5	NO		db		0.000
17	FUNCTION3 PFK	34.94	2.383e3					0.7	NO		bd		0.000
18	FUNCTION3 PFK	34.78	3.117e3					0.7	NO		bb		0.000
19	FUNCTION3 PFK	34.65	8.496e3					1.1	NO		bb		0.000
20	FUNCTION3 PFK	34.53	1.237e3					0.5	NO		bb		0.000
21	FUNCTION3 PFK	34.37	1.114e3					0.5	NO		bb		0.000
22	FUNCTION3 PFK	34.28	2.168e3					0.6	NO		bb		0.000
23	FUNCTION3 PFK	33.95	7.683e3					1.3	NO		bb		0.000
24	FUNCTION3 PFK	37.56	4.734e3					1.0	NO		bb		0.000
25	FUNCTION3 PFK	37.45	3.134e3					0.8	NO		bb		0.000
26	FUNCTION3 PFK	37.08	1.292e5					3.5	YES		bb		0.000

ID: BKL0420-SRM1, Name: 23020725, Date: 08-Feb-2023, Time: 04:59:57, Conditions: AUTOSPEC01, User: pk

PFK4

	Compound	RT	Ion1Area	Ion2Area	RRF	Ratio	Pred R	S/N 1	SNFlag	EMPC	Int.1	Int.2	pg
1	FUNCTION4 PFK	39.25	2.127e3					0.8	NO		bb		
2	FUNCTION4 PFK	39.20	5.772e3					1.3	NO		bb		
3	FUNCTION4 PFK	39.00	8.533e3					1.8	NO		db		
4	FUNCTION4 PFK	38.94	8.648e3					1.6	NO		bd		
5	FUNCTION4 PFK	38.84	2.308e3					0.8	NO		db		
6	FUNCTION4 PFK	38.81	6.493e2					0.4	NO		bd		
7	FUNCTION4 PFK	38.75	3.066e3					0.9	NO		bb		
8	FUNCTION4 PFK	38.61	5.128e3					0.7	NO		bb		
9	FUNCTION4 PFK	38.55	5.916e2					0.4	NO		bb		
10	FUNCTION4 PFK	38.51	8.587e2					0.5	NO		bb		
11	FUNCTION4 PFK	38.29	8.954e2					0.6	NO		bb		
12	FUNCTION4 PFK	38.08	7.389e3					0.0	NO		bb		
13	FUNCTION4 PFK	41.29	5.416e3					1.6	NO		bd		
14	FUNCTION4 PFK	41.13	6.173e2					0.4	NO		bb		
15	FUNCTION4 PFK	41.05	7.121e3					1.3	NO		bb		
16	FUNCTION4 PFK	40.92	9.041e3					0.9	NO		bb		
17	FUNCTION4 PFK	40.82	1.120e4					1.6	NO		db		
18	FUNCTION4 PFK	40.72	1.252e4					1.8	NO		bd		
19	FUNCTION4 PFK	40.54	5.387e3					0.9	NO		bb		
20	FUNCTION4 PFK	40.39	3.887e3					1.1	NO		bb		
21	FUNCTION4 PFK	40.28	1.575e4					1.5	NO		bb		
22	FUNCTION4 PFK	39.84	6.897e3					2.1	NO		db		
23	FUNCTION4 PFK	39.81	2.852e4					2.7	NO		dd		
24	FUNCTION4 PFK	39.65	1.693e4					1.8	NO		bd		
25	FUNCTION4 PFK	39.59	5.738e3					1.6	NO		bb		
26	FUNCTION4 PFK	39.52	1.226e4					1.7	NO		db		
27	FUNCTION4 PFK	39.43	3.098e3					0.8	NO		bd		
28	FUNCTION4 PFK	39.31	2.204e3					0.5	NO		bb		
29	FUNCTION4 PFK	42.95	2.000e4					1.8	NO		bb		
30	FUNCTION4 PFK	42.85	6.550e3					1.5	NO		db		
31	FUNCTION4 PFK	42.81	7.048e3					1.6	NO		dd		
32	FUNCTION4 PFK	42.76	3.514e3					0.9	NO		bd		
33	FUNCTION4 PFK	42.68	1.253e4					2.2	NO		bb		
34	FUNCTION4 PFK	42.47	5.938e2					0.4	NO		bb		
35	FUNCTION4 PFK	42.43	1.698e3					0.6	NO		bb		
36	FUNCTION4 PFK	42.30	1.314e3					0.6	NO		db		
37	FUNCTION4 PFK	42.27	6.303e3					1.3	NO		bd		

ID: BKL0420-SRM1, Name: 23020725, Date: 08-Feb-2023, Time: 04:59:57, Conditions: AUTOSPEC01, User: pk

PFK4

	Compound	RT	Ion1Area	Ion2Area	RRF	Ratio	Pred R	S/N 1	SNFlag	EMPC	Int.1	Int.2	pg
38	FUNCTION4 PFK	42.07	1.150e4					1.6	NO		db		
39	FUNCTION4 PFK	42.01	4.067e3					1.2	NO		bd		
40	FUNCTION4 PFK	41.91	8.350e3					1.3	NO		bb		
41	FUNCTION4 PFK	41.52	4.560e3					1.1	NO		db		
42	FUNCTION4 PFK	41.48	6.718e3					1.1	NO		dd		
43	FUNCTION4 PFK	41.44	6.531e3					1.5	NO		bd		
44	FUNCTION4 PFK	41.32	6.890e3					1.5	NO		db		

ID: BKL0420-SRM1, Name: 23020725, Date: 08-Feb-2023, Time: 04:59:57, Conditions: AUTOSPEC01, User: pk

PFK5

	Compound	RT	Ion1Area	Ion2Area	RRF	Ratio	Pred R	S/N 1	SNFlag	EMPC	Int.1	Int.2	pg
1	FUNCTION5 PFK	45.07	1.309e3					0.8	NO		bb		
2	FUNCTION5 PFK	44.92	3.133e3					1.4	NO		bb		
3	FUNCTION5 PFK	44.76	4.197e3					1.5	NO		db		
4	FUNCTION5 PFK	44.71	8.726e3					1.5	NO		bd		
5	FUNCTION5 PFK	44.56	1.378e4					2.1	NO		db		
6	FUNCTION5 PFK	44.53	1.570e3					0.8	NO		bd		
7	FUNCTION5 PFK	44.47	2.275e3					1.1	NO		bb		
8	FUNCTION5 PFK	44.34	6.850e3					1.2	NO		bb		
9	FUNCTION5 PFK	44.16	2.483e3					1.0	NO		bb		
10	FUNCTION5 PFK	43.99	3.129e3					0.9	NO		bb		
11	FUNCTION5 PFK	43.72	3.650e2					0.4	NO		bb		
12	FUNCTION5 PFK	43.68	6.598e2					0.4	NO		bb		
13	FUNCTION5 PFK	43.27	2.121e3					1.1	NO		bb		
14	FUNCTION5 PFK	43.13	7.282e3					2.1	NO		db		
15	FUNCTION5 PFK	43.09	4.078e3					1.7	NO		bd		
16	FUNCTION5 PFK	46.36	1.324e3					0.7	NO		bb		
17	FUNCTION5 PFK	46.21	4.960e3					1.7	NO		bb		
18	FUNCTION5 PFK	46.15	8.846e3					2.2	NO		db		
19	FUNCTION5 PFK	46.11	1.017e4					1.9	NO		dd		
20	FUNCTION5 PFK	46.04	5.088e3					1.6	NO		dd		
21	FUNCTION5 PFK	45.99	1.415e4					2.2	NO		dd		
22	FUNCTION5 PFK	45.91	5.566e3					1.6	NO		dd		
23	FUNCTION5 PFK	45.84	9.975e3					2.1	NO		bd		
24	FUNCTION5 PFK	45.72	2.538e3					1.3	NO		bb		
25	FUNCTION5 PFK	45.51	2.782e3					1.0	NO		db		
26	FUNCTION5 PFK	45.47	4.330e3					1.5	NO		bd		
27	FUNCTION5 PFK	45.40	2.520e3					1.1	NO		bb		

ID: BKL0420-SRM1, Name: 23020725, Date: 08-Feb-2023, Time: 04:59:57, Conditions: AUTOSPEC01, User: pk

ETHERS1

	Compound	RT	Ion1Area	Ion2Area	RRF	Ratio	Pred R	S/N 1	SNFlag	EMPC	Int.1	Int.2	pg
1	FUNCTION1 HXCD...	21.63	7.152e1					2.0	NO		bb		0.000
2	FUNCTION1 HXCD...	21.15	1.032e2					2.5	NO		db		0.000
3	FUNCTION1 HXCD...	21.09	7.036e1					2.8	NO		bd		0.000
4	FUNCTION1 HXCD...	28.13	7.534e1					3.8	YES		bb		0.000
5	FUNCTION1 HXCD...	27.12	8.407e1					2.7	NO		bb		0.000
6	FUNCTION1 HXCD...	26.24	1.598e2					5.6	YES		db		0.000
7	FUNCTION1 HXCD...	26.02	2.759e2					7.0	YES		bd		0.000
8	FUNCTION1 HXCD...	25.69	1.153e2					3.3	YES		bb		0.000
9	FUNCTION1 HXCD...	24.91	1.388e2					2.3	NO		bb		0.000
10	FUNCTION1 HXCD...	24.51	8.447e1					2.4	NO		bb		0.000
11	FUNCTION1 HXCD...	23.86	1.308e2					3.2	YES		bb		0.000

ETHERS2

	Compound	RT	Ion1Area	Ion2Area	RRF	Ratio	Pred R	S/N 1	SNFlag	EMPC	Int.1	Int.2	pg
1	FUNCTION1 HPCD...	25.31	7.661e1					2.5	NO		bb		0.000
2	FUNCTION1 HPCD...	23.46	1.335e3					39.6	YES		bb		0.000
3	FUNCTION1 HPCD...	22.71	7.856e1					3.3	YES		bb		0.000
4	FUNCTION1 HPCD...	22.42	8.126e1					2.4	NO		bb		0.000
5	FUNCTION1 HPCD...	22.15	2.597e3					78.0	YES		bb		0.000

ETHERS3

	Compound	RT	Ion1Area	Ion2Area	RRF	Ratio	Pred R	S/N 1	SNFlag	EMPC	Int.1	Int.2	pg
1	FUNCTION2 HPCD...	28.50	9.367e1					2.2	NO		bb		0.000
2	FUNCTION2 HPCD...	31.00	7.037e1					1.7	NO		bb		0.000
3	FUNCTION2 HPCD...	29.18	7.023e1					2.3	NO		bb		0.000

ETHERS4

	Compound	RT	Ion1Area	Ion2Area	RRF	Ratio	Pred R	S/N 1	SNFlag	EMPC	Int.1	Int.2	pg
1	FUNCTION3 OCDPE	35.17	9.507e1					2.1	NO		bb		0.000

ID: BKL0420-SRM1, Name: 23020725, Date: 08-Feb-2023, Time: 04:59:57, Conditions: AUTOSPEC01, User: pk

ETHERS5

	Compound	RT	Ion1Area	Ion2Area	RRF	Ratio	Pred R	S/N 1	SNFlag	EMPC	Int.1	Int.2	pg
1	FUNCTION4 NCDPE	42.24	9.756e1					2.5	NO		bb		0.000
2	FUNCTION4 NCDPE	40.59	8.181e1					3.7	YES		bb		0.000
3	FUNCTION4 NCDPE	38.49	8.254e3					197.3	YES		bb		0.000

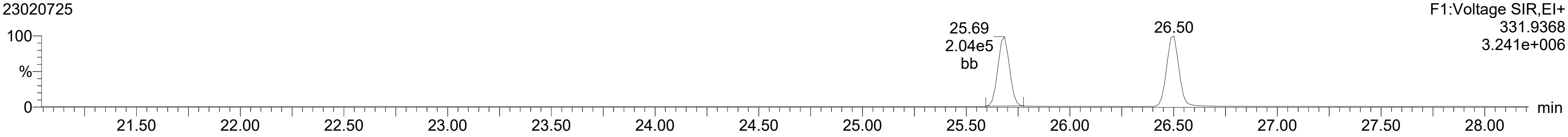
ETHERS6

	Compound	RT	Ion1Area	Ion2Area	RRF	Ratio	Pred R	S/N 1	SNFlag	EMPC	Int.1	Int.2	pg
1													

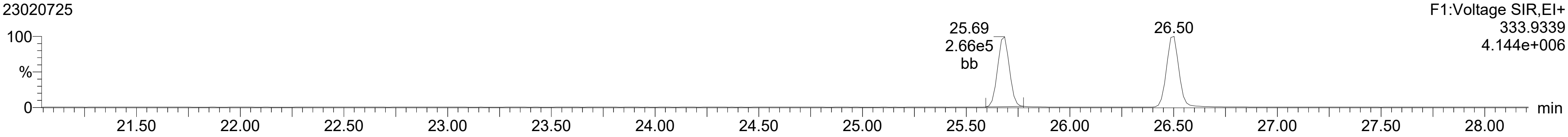
Method: T:\Autospec\Methods\Dioxin230206.mdb 07 Feb 2023 09:29:10
Calibration: T:\Autospec\Curves\230201ICIH.cdb 03 Feb 2023 10:33:40

ID: BKL0420-SRM1, Name: 23020725, Date: 08-Feb-2023, Time: 04:59:57, Conditions: AUTOSPEC01, User: pk

13C-1234-TCDD



13C-1234-TCDD



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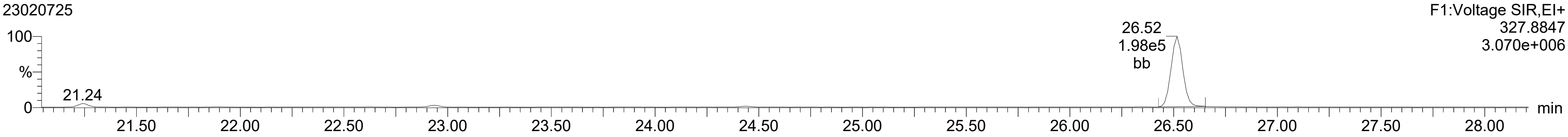

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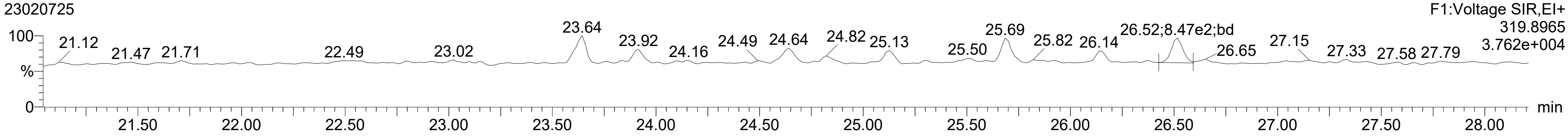
2378-TCDD



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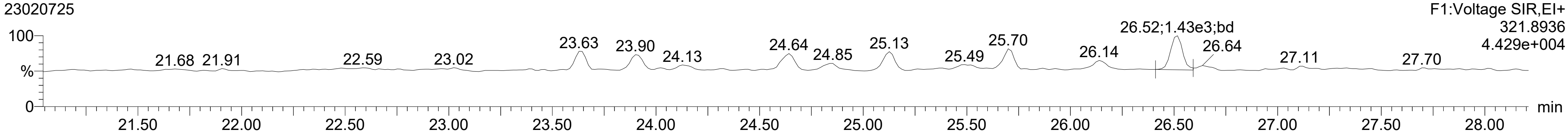

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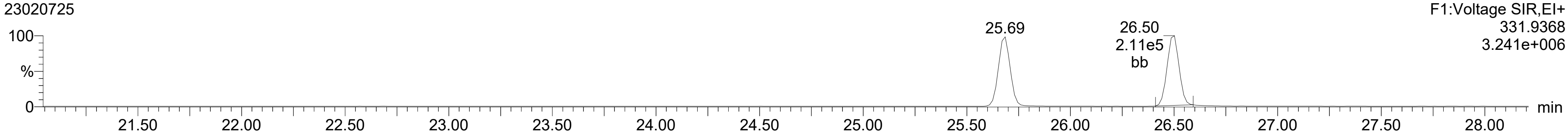

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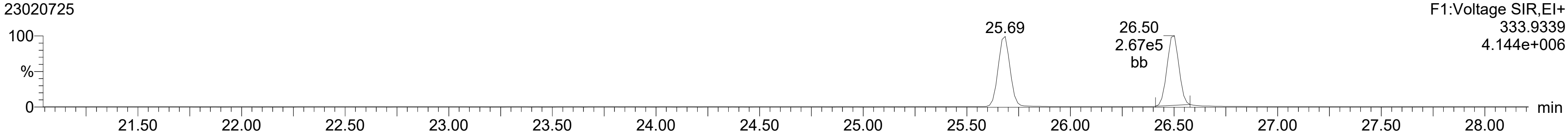

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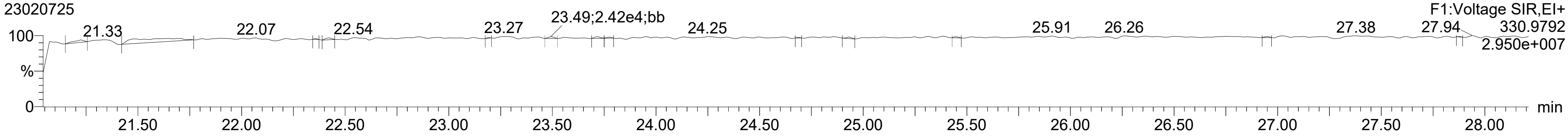

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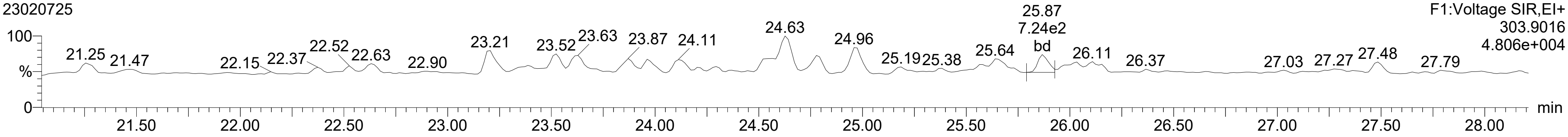
2378-TCDF



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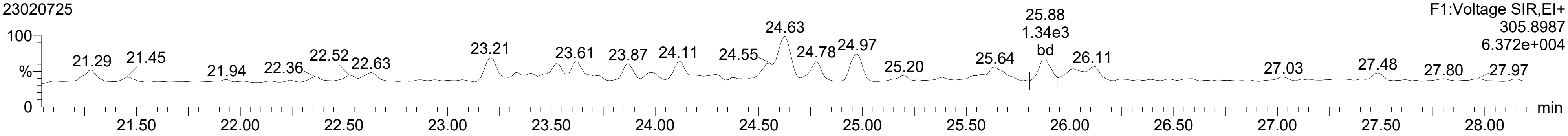

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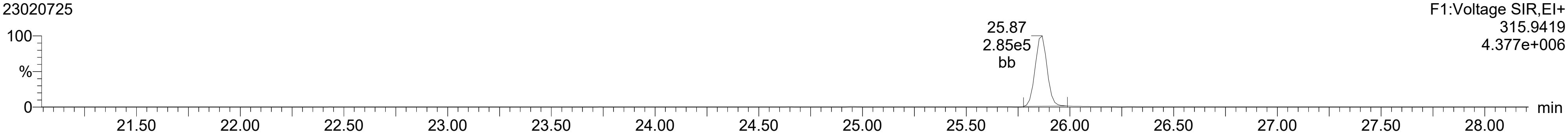

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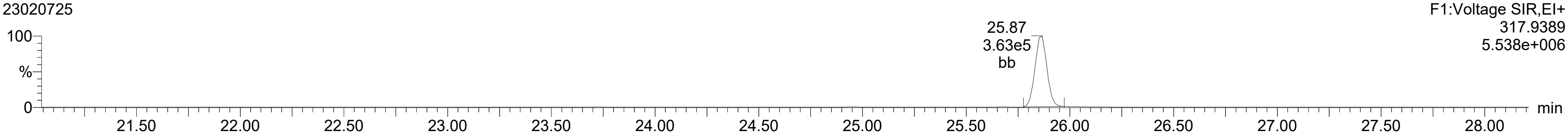

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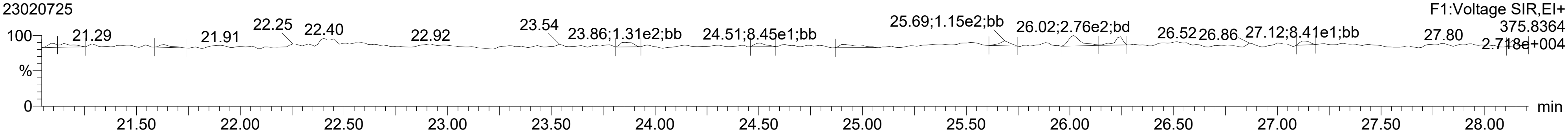

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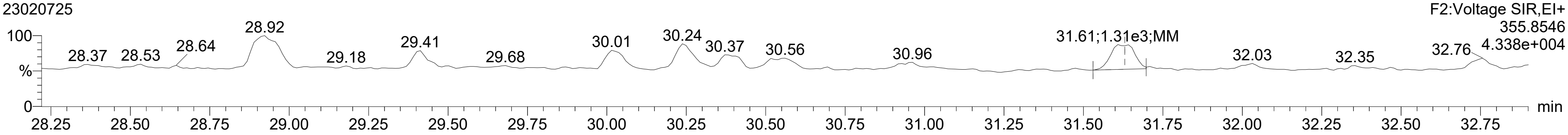
12378-PeCDD



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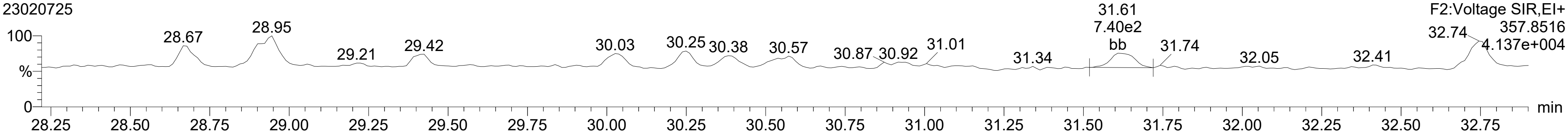

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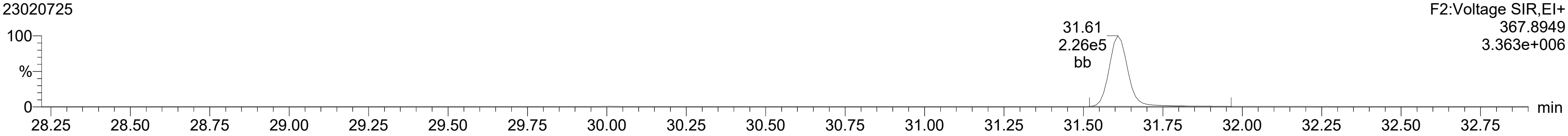

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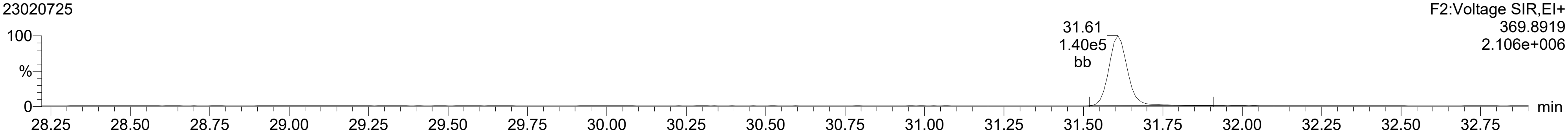

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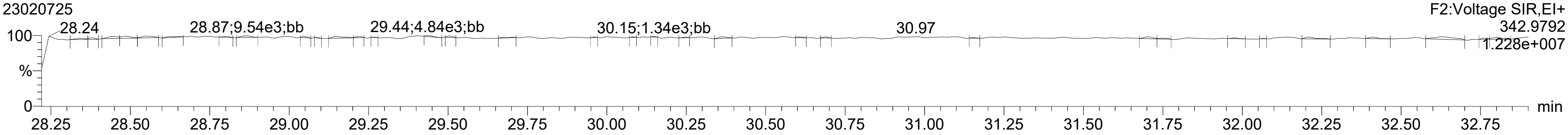

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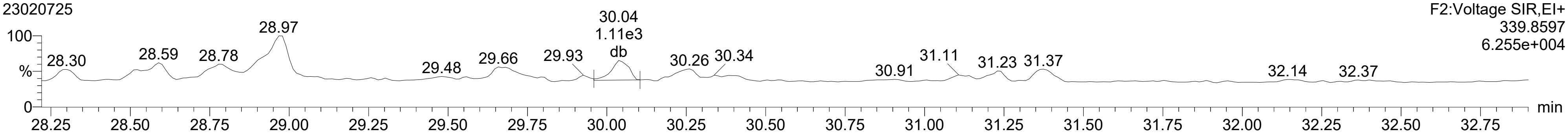

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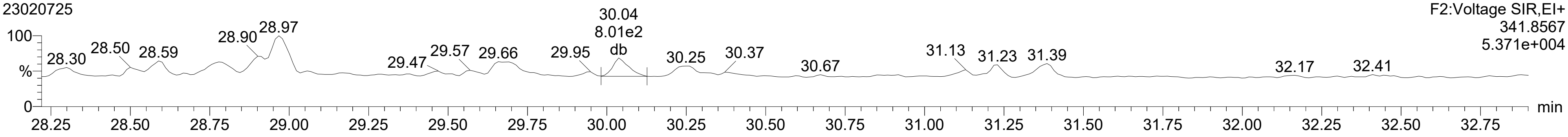

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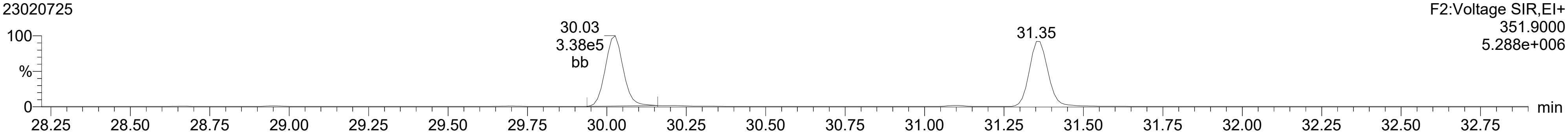

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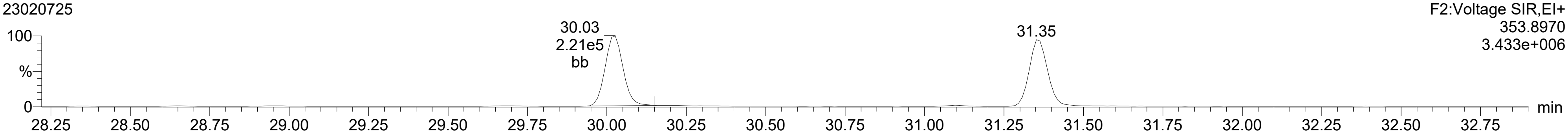
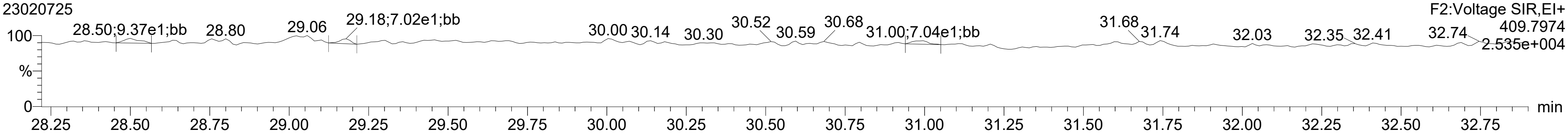


FUNCTION2 HPCDPE



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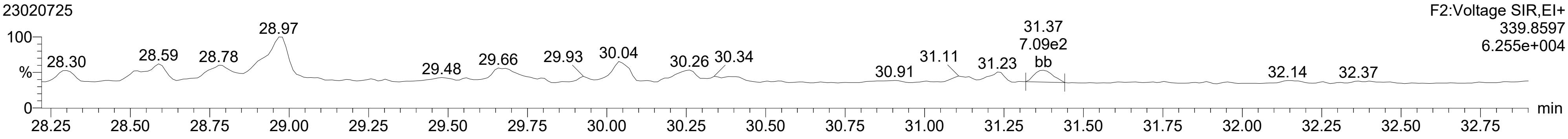

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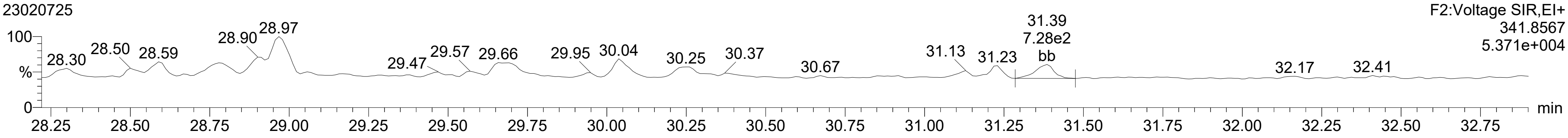

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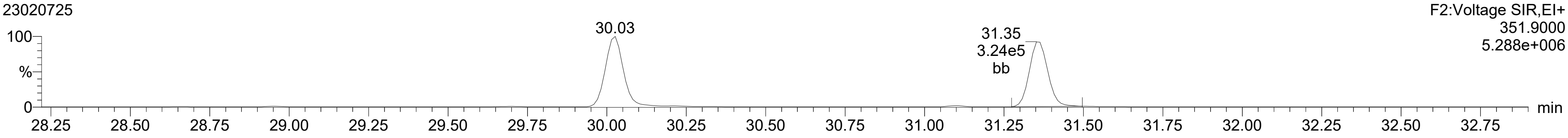

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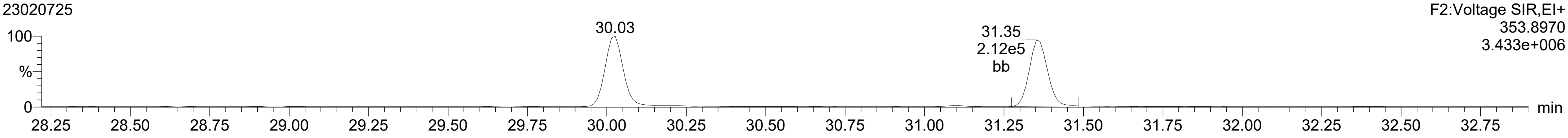
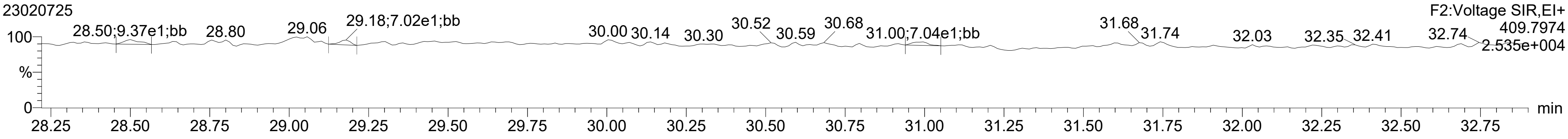


FUNCTION2 HPCDPE



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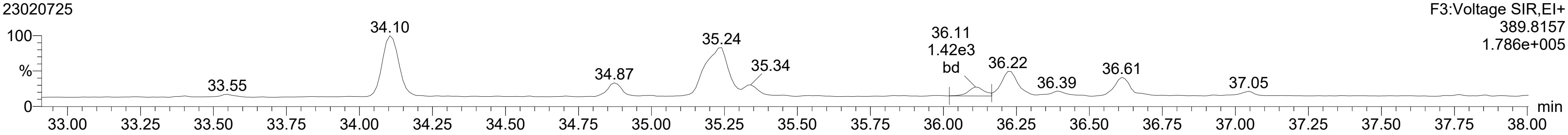
123478-HxCDD



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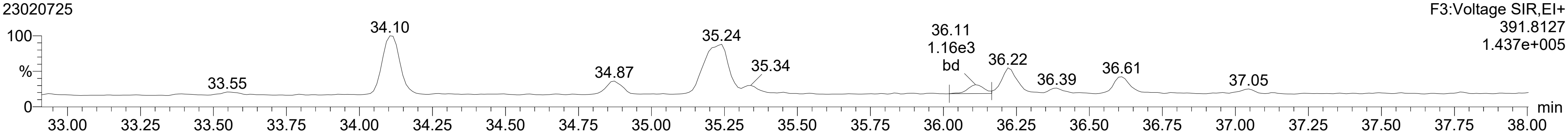

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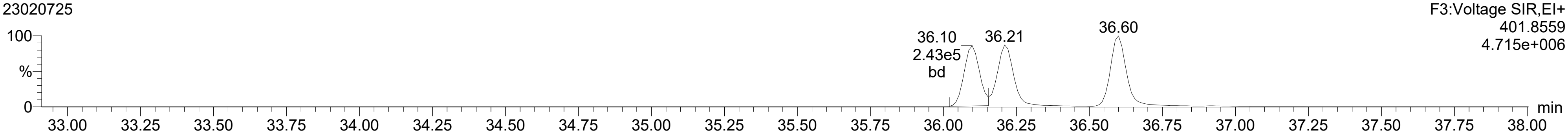

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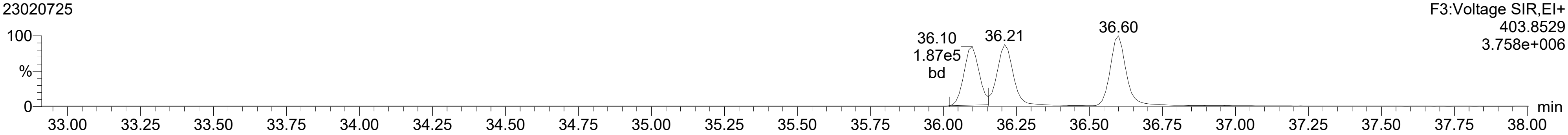
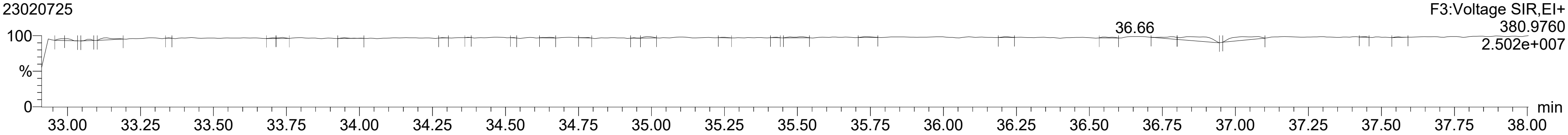


FUNCTION3 PFK



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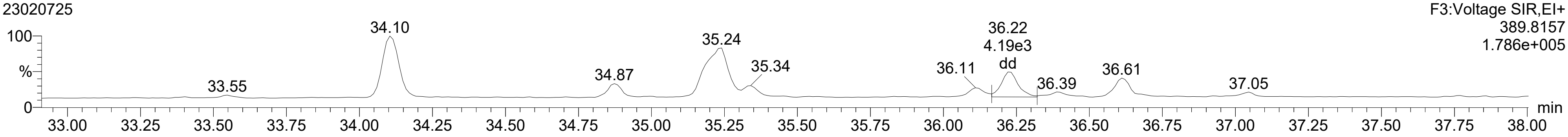

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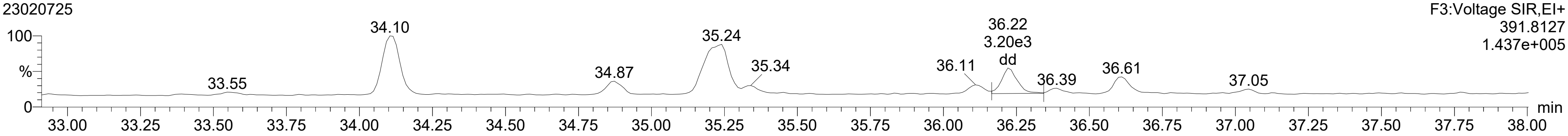

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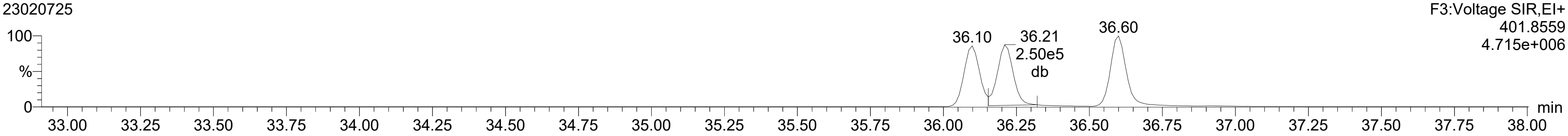

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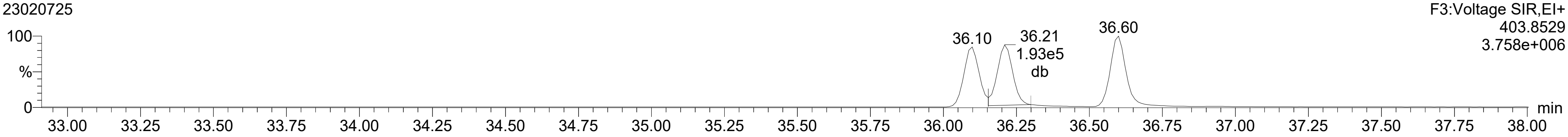

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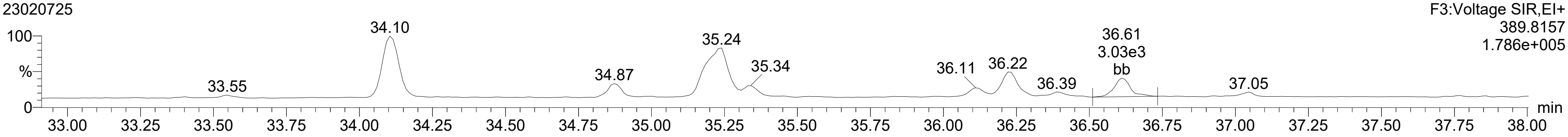

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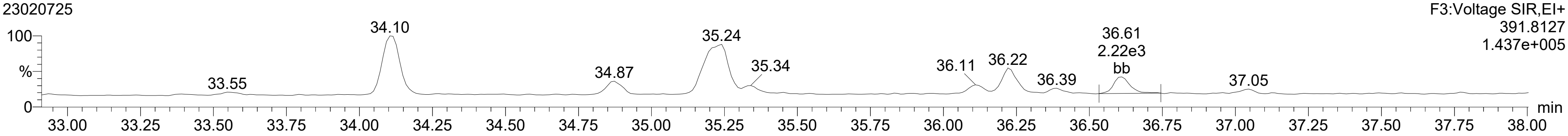

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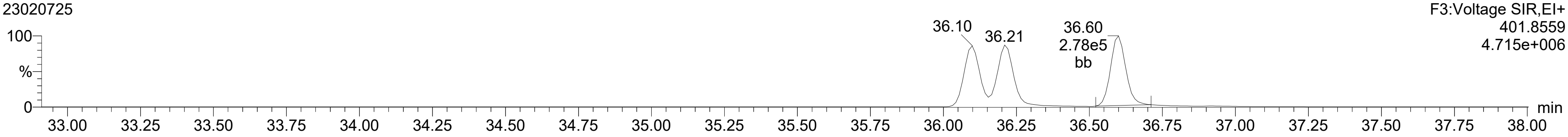

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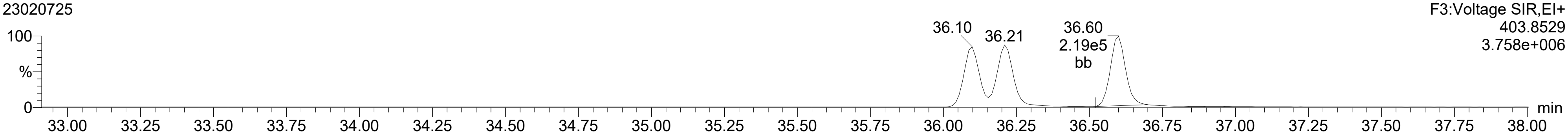

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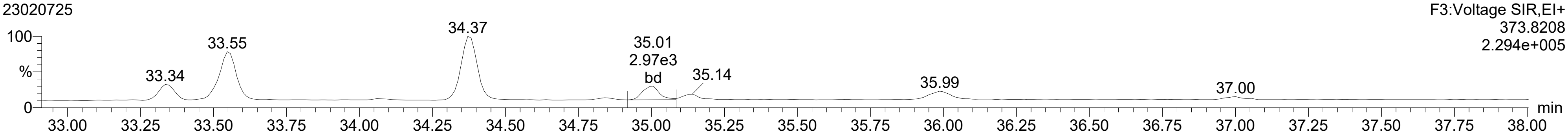

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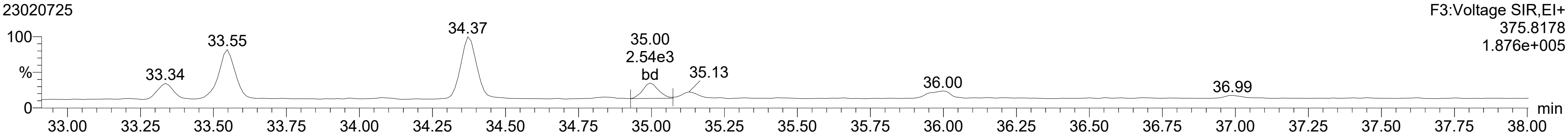

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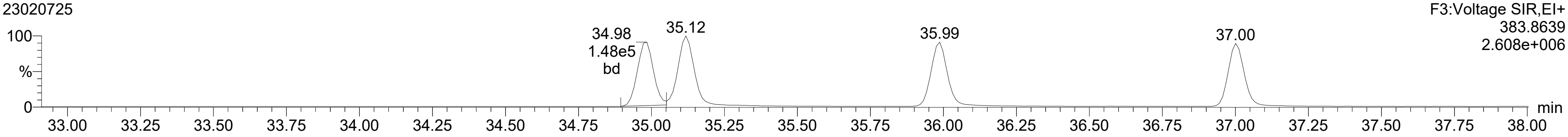

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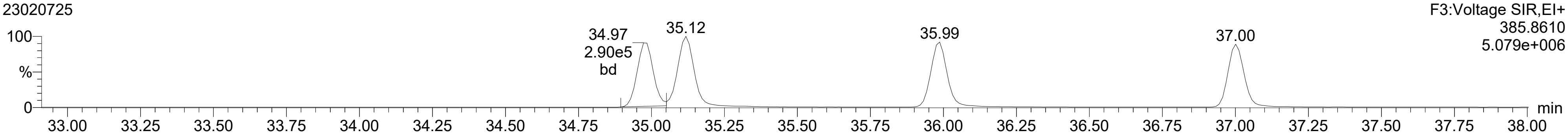
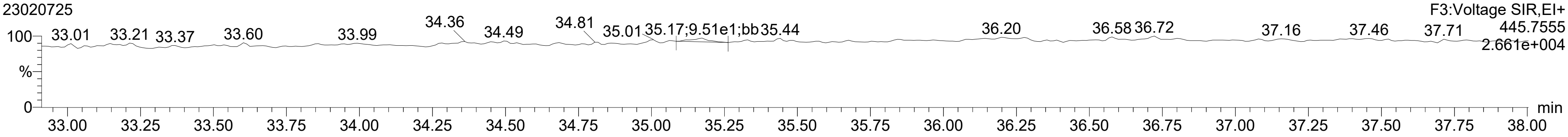


FUNCTION3 OCDPE



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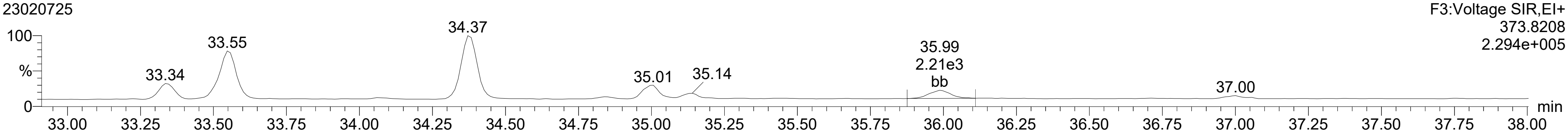
234678-HxCDF



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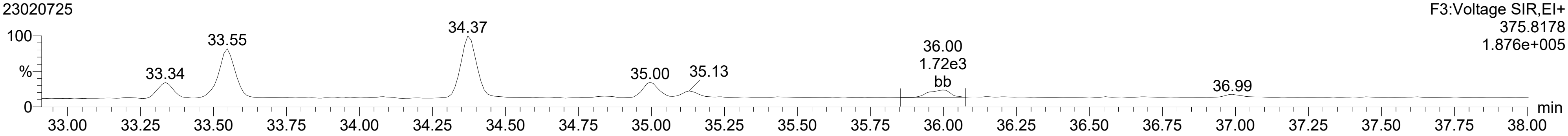

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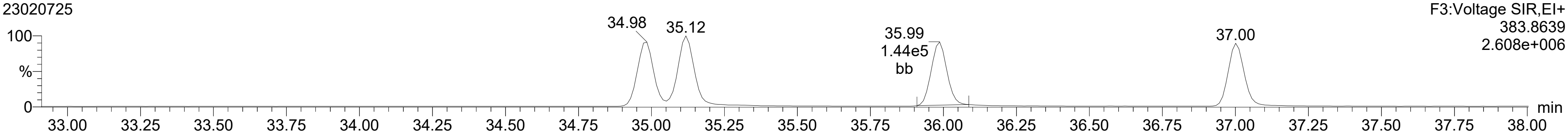

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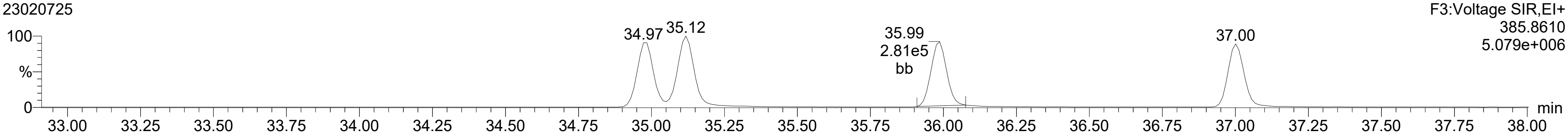

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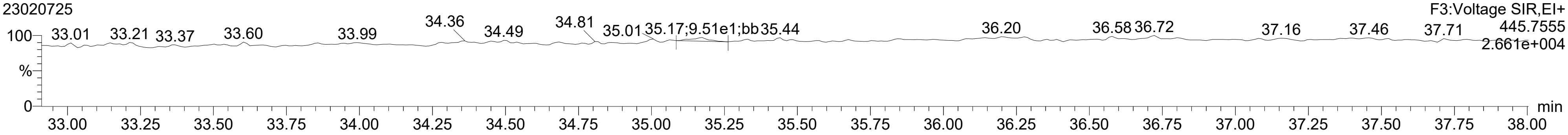

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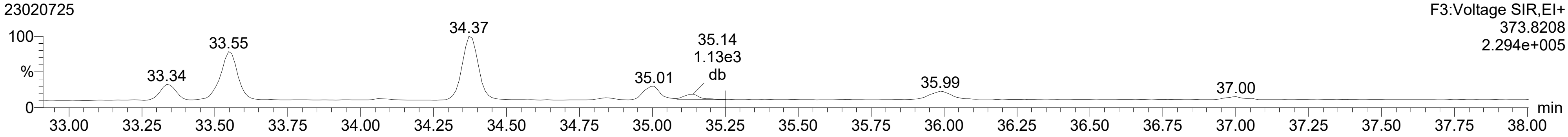

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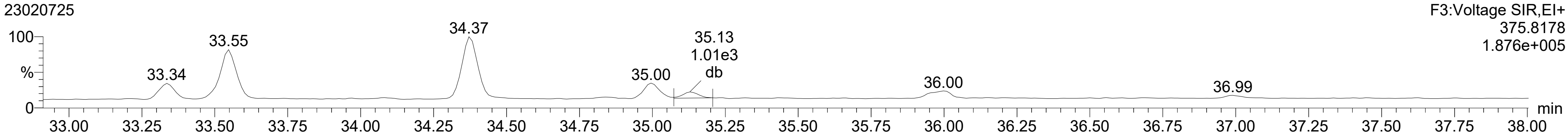

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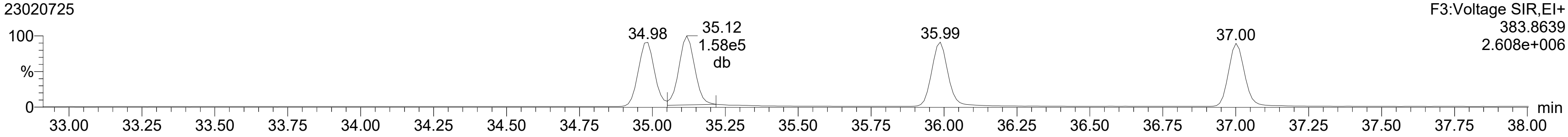

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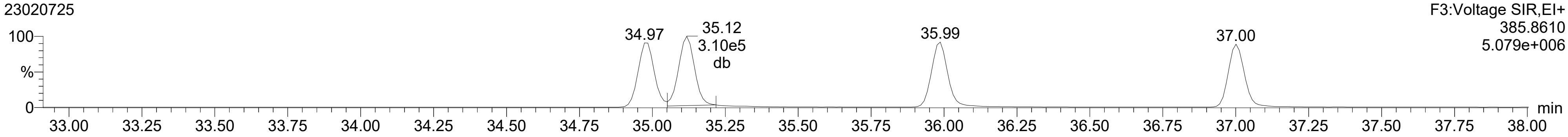
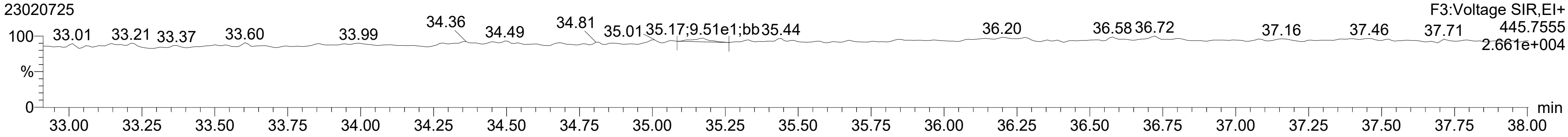


FUNCTION3 OCDPE



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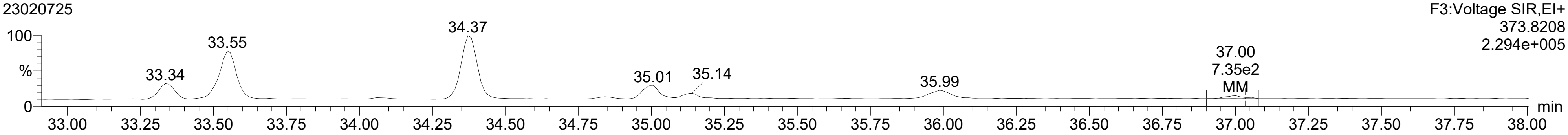

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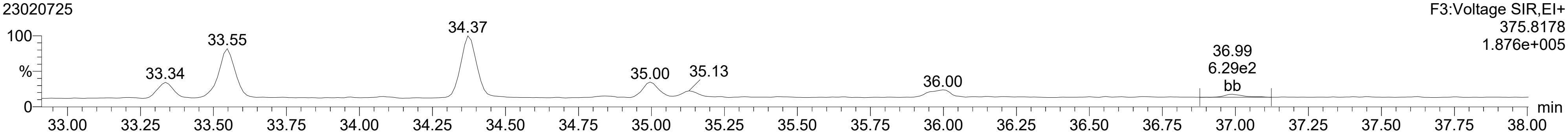

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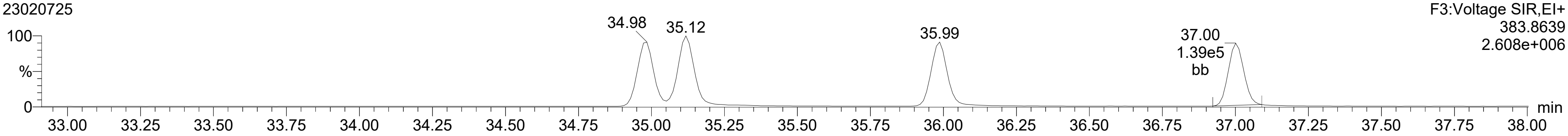

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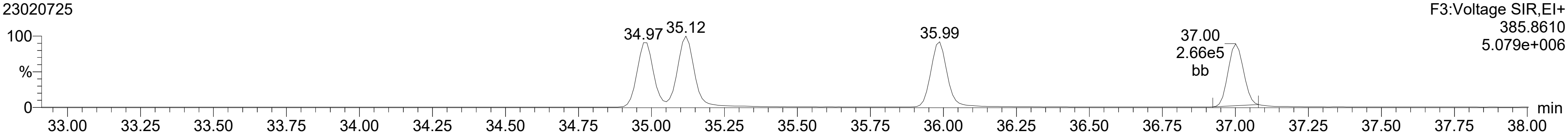
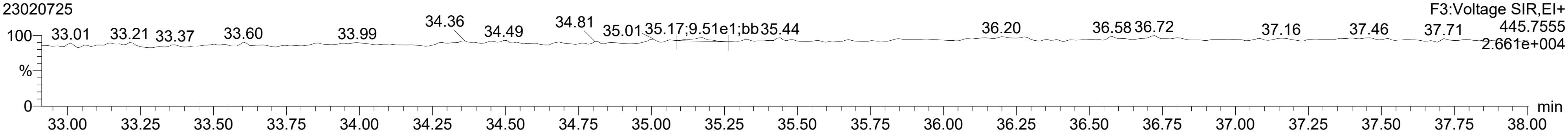


FUNCTION3 OCDPE



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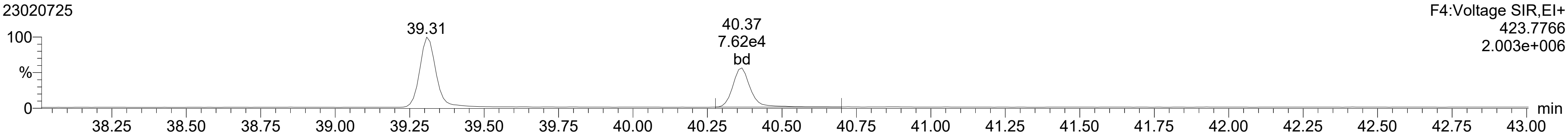
1234678-HpCDD



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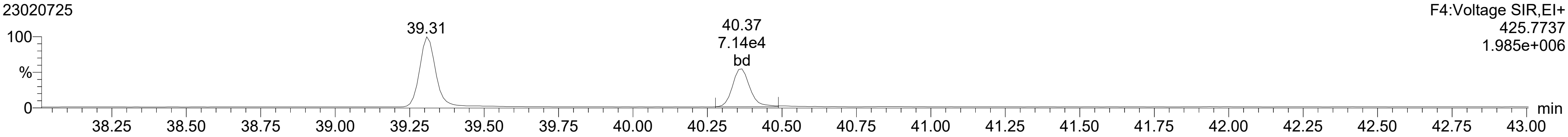

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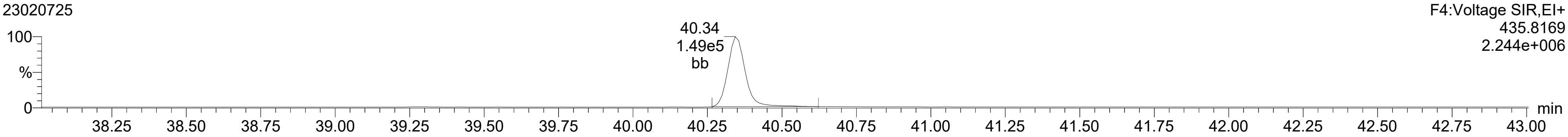

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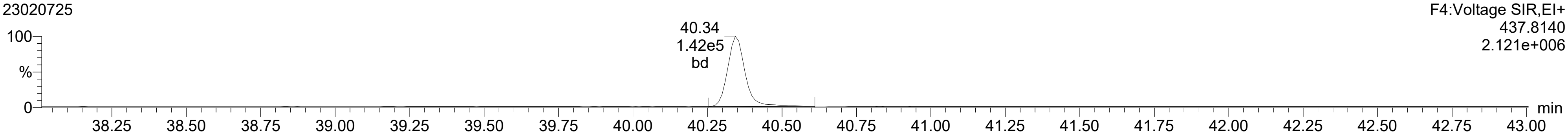
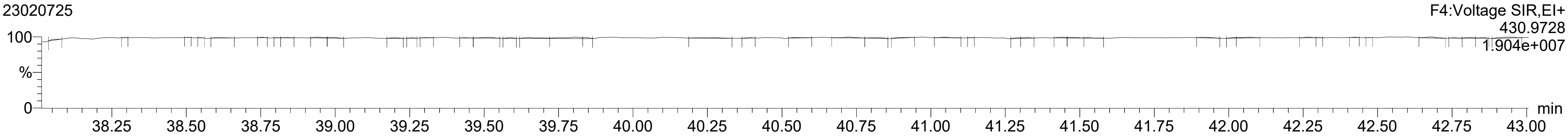
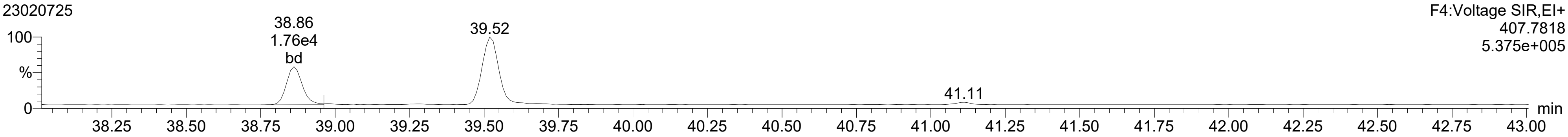


FUNCTION4 PFK

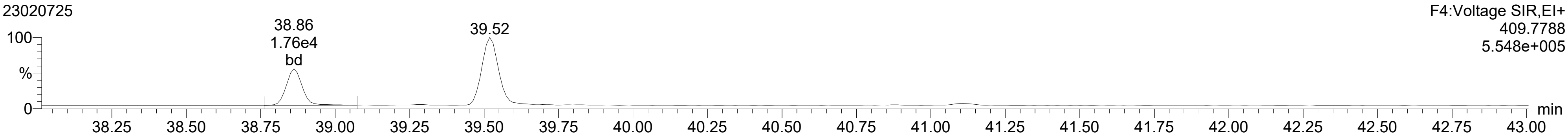


ID: BKL0420-SRM1, Name: 23020725, Date: 08-Feb-2023, Time: 04:59:57, Conditions: AUTOSPEC01, User: pk

1234678-HpCDF



1234678-HpCDF



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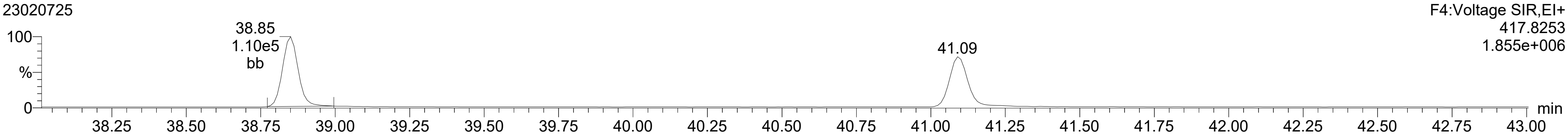

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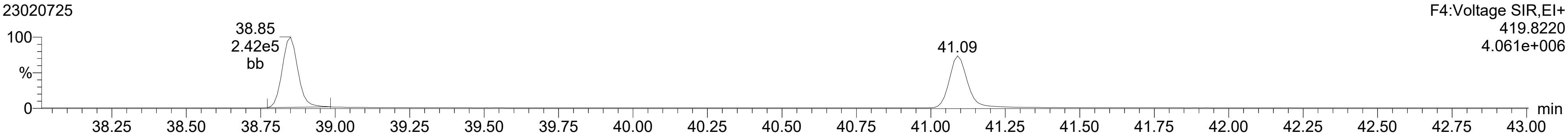
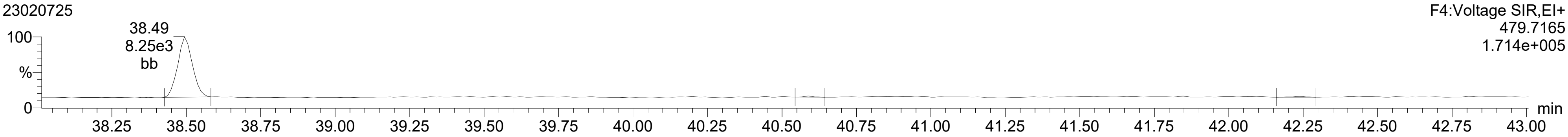
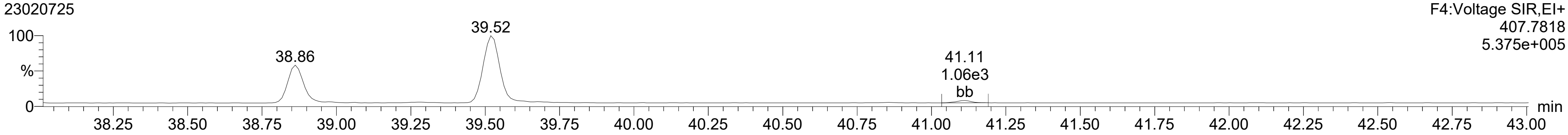


FUNCTION4 NCDPE



ID: BKL0420-SRM1, Name: 23020725, Date: 08-Feb-2023, Time: 04:59:57, Conditions: AUTOSPEC01, User: pk

1234789-HpCDF



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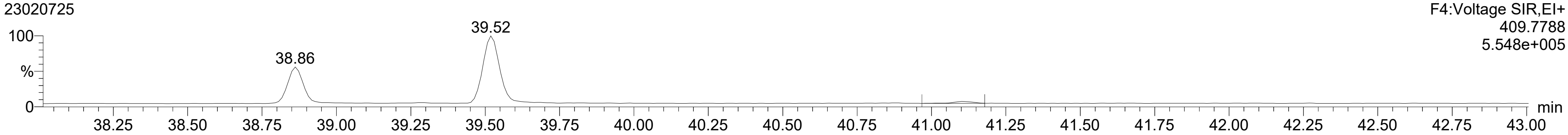

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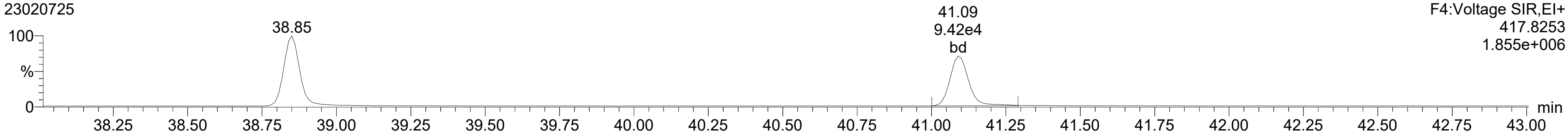

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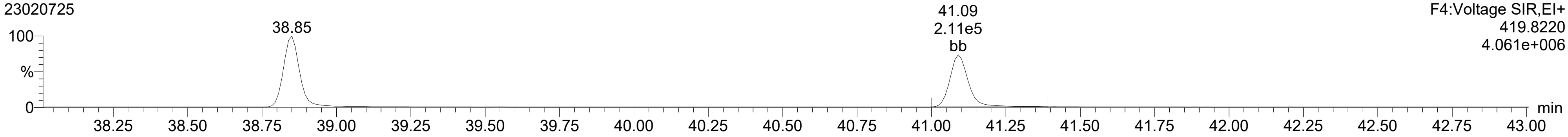
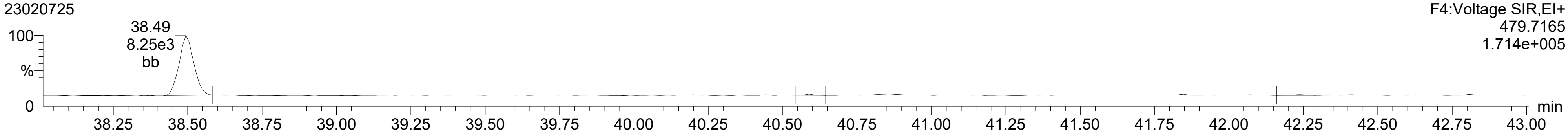
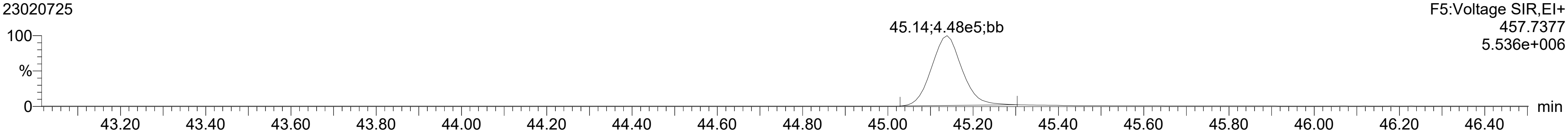


FUNCTION4 NCDPE

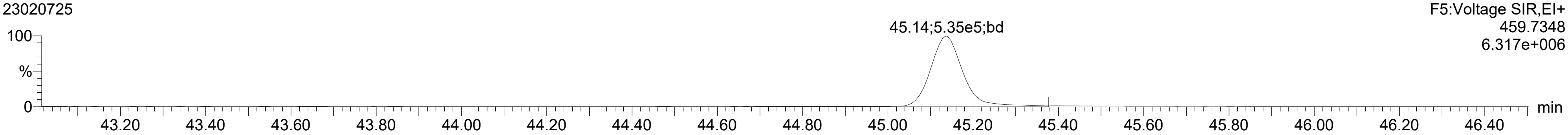


ID: BKL0420-SRM1, Name: 23020725, Date: 08-Feb-2023, Time: 04:59:57, Conditions: AUTOSPEC01, User: pk

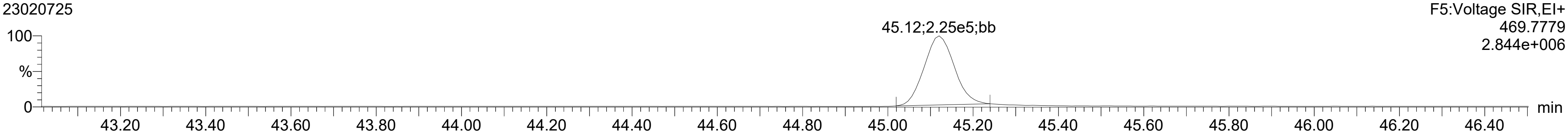
OCDD



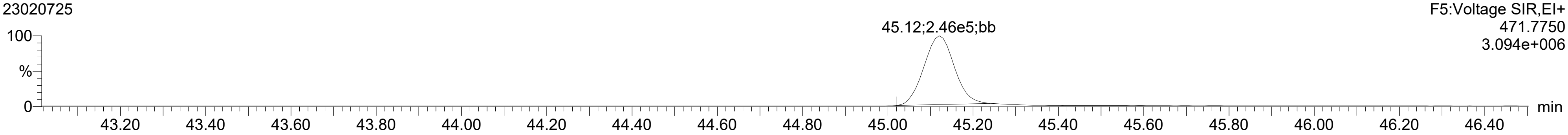
OCDD



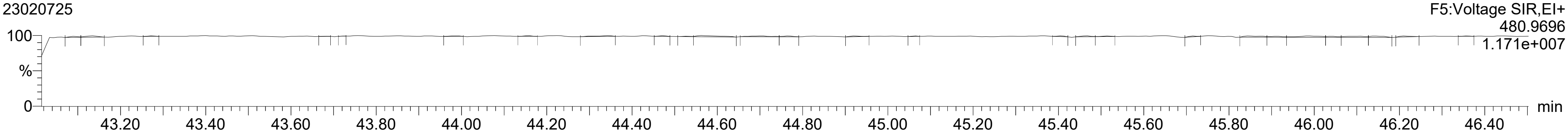
13C-OCDD



13C-OCDD

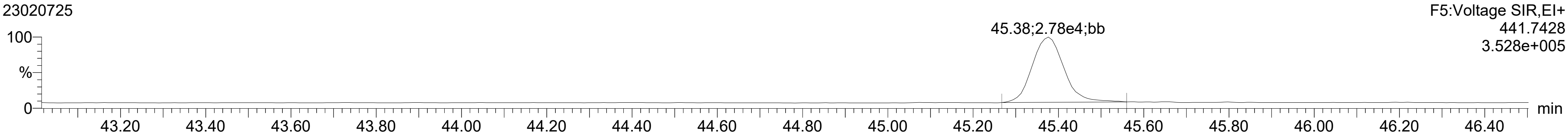


FUNCTION5 PFK

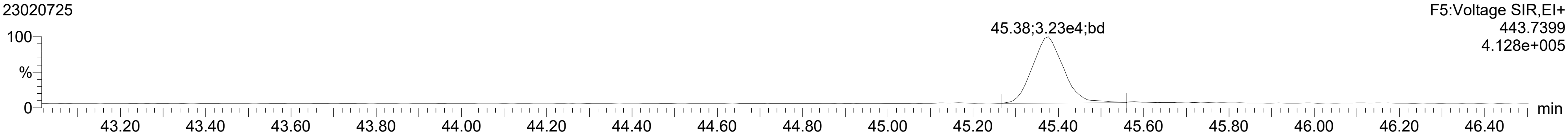


ID: BKL0420-SRM1, Name: 23020725, Date: 08-Feb-2023, Time: 04:59:57, Conditions: AUTOSPEC01, User: pk

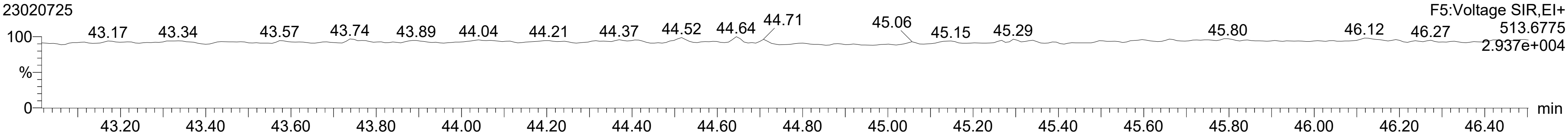
OCDF



OCDF

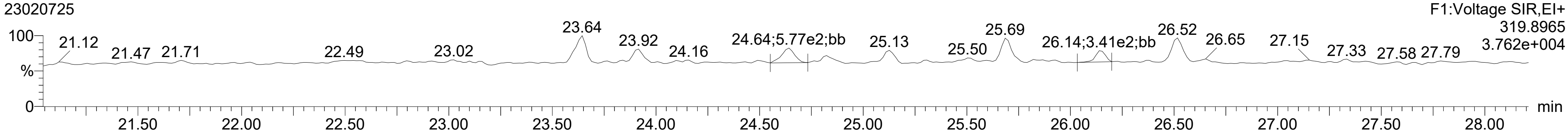


FUNCTION5 DCDPE

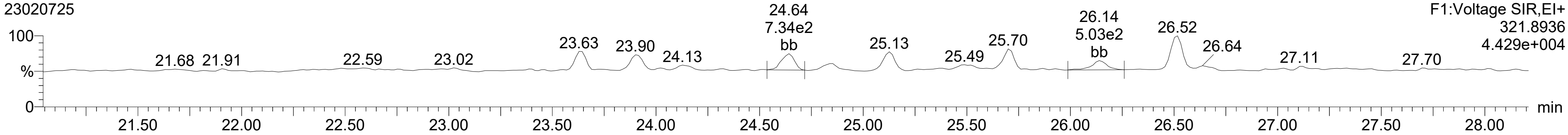


ID: BKL0420-SRM1, Name: 23020725, Date: 08-Feb-2023, Time: 04:59:57, Conditions: AUTOSPEC01, User: pk

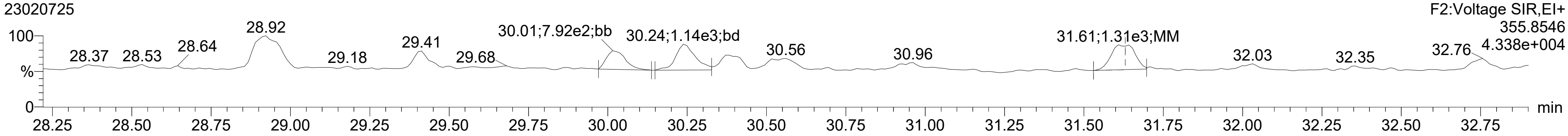
Total-tetradioxins



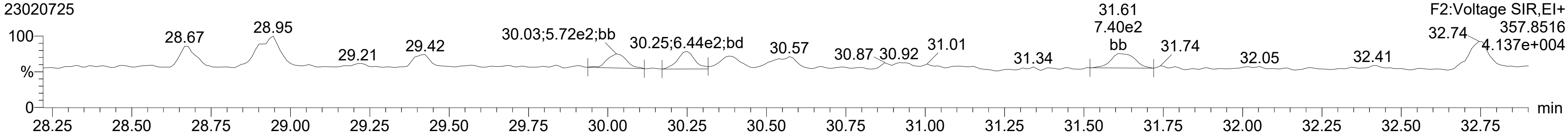
Total-tetradioxins



Total-pentadioxins

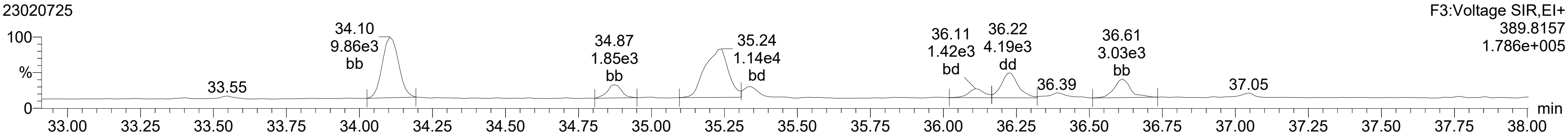


Total-pentadioxins

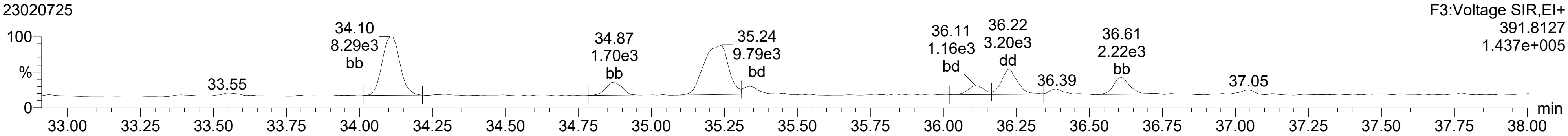


ID: BKL0420-SRM1, Name: 23020725, Date: 08-Feb-2023, Time: 04:59:57, Conditions: AUTOSPEC01, User: pk

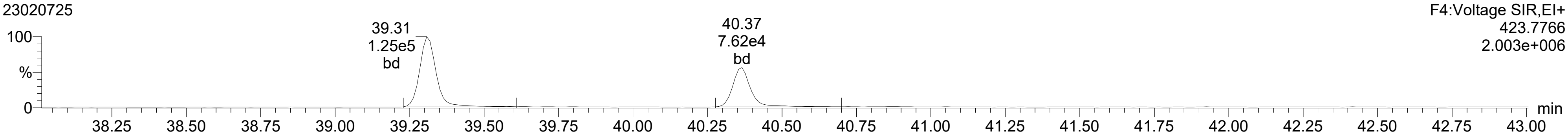
Total-hexadioxins



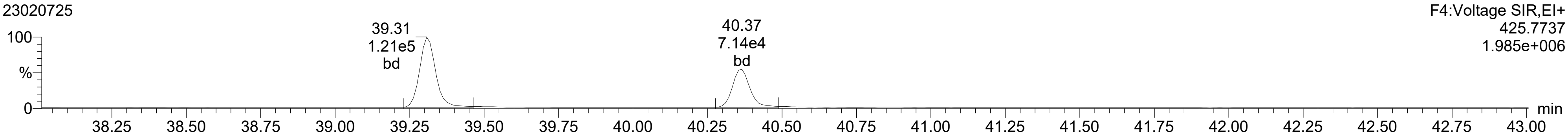
Total-hexadioxins



Total-heptadioxins

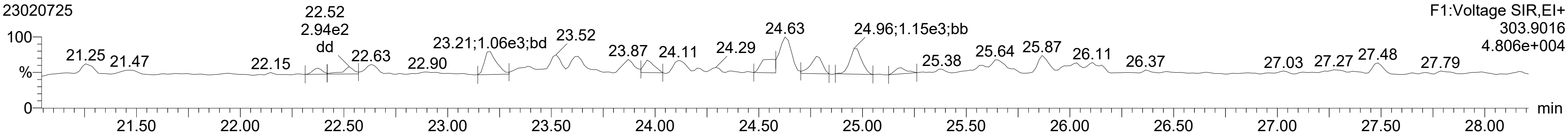


Total-heptadioxins

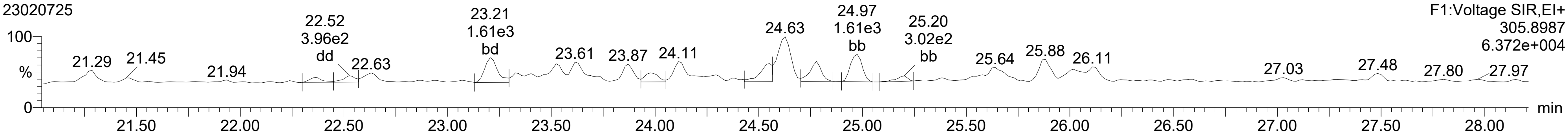


ID: BKL0420-SRM1, Name: 23020725, Date: 08-Feb-2023, Time: 04:59:57, Conditions: AUTOSPEC01, User: pk

Total-tetrafurans



Total-tetrafurans



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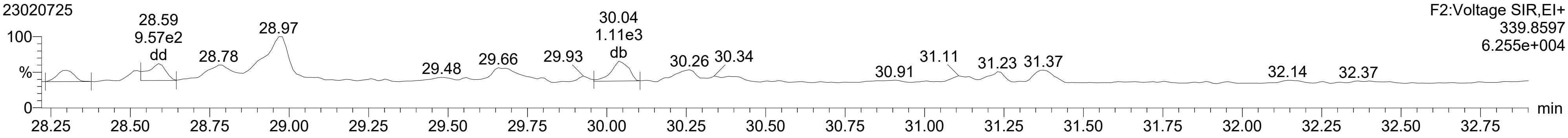
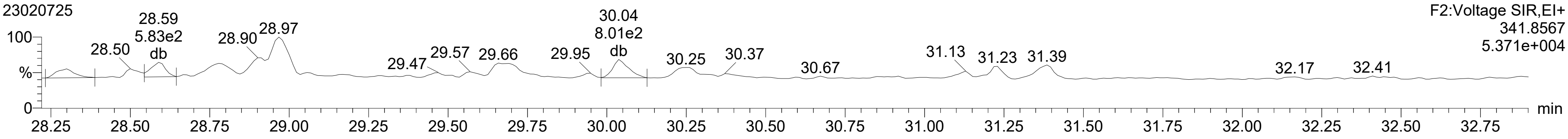
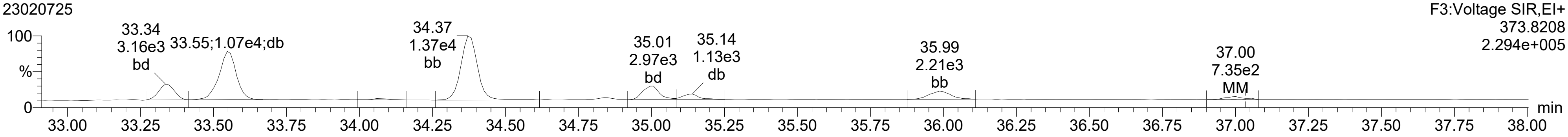


Total-pentafurans

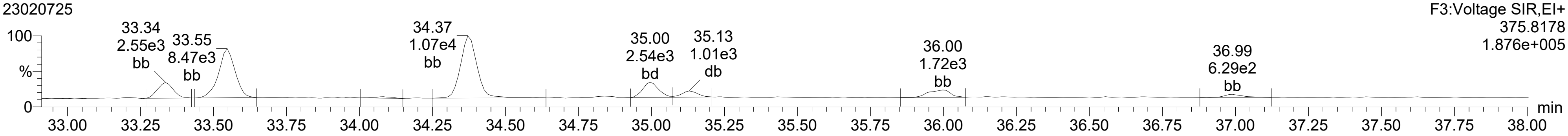


ID: BKL0420-SRM1, Name: 23020725, Date: 08-Feb-2023, Time: 04:59:57, Conditions: AUTOSPEC01, User: pk

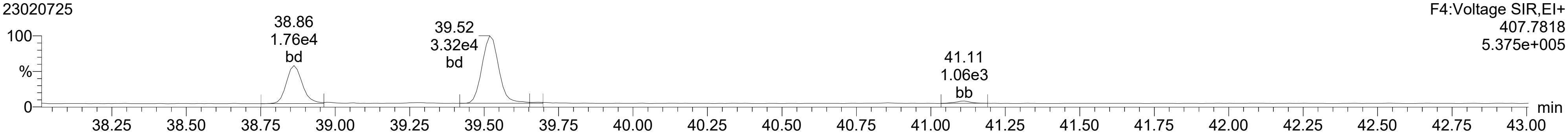
Total-hexafurans



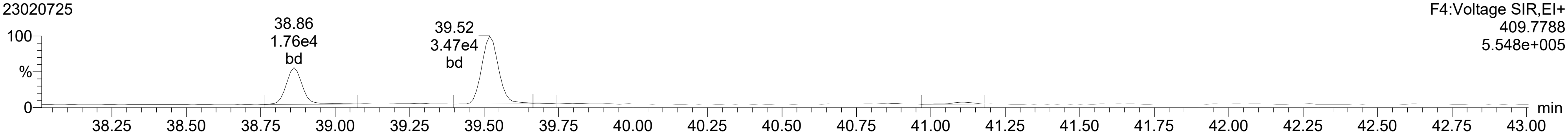
Total-hexafurans



Total-heptafurans



Total-heptafurans



INITIAL CALIBRATION DATA
EPA 1613B

Laboratory:	Analytical Resources, LLC	SDG:	22L0307
Client:	Anchor QEA, LLC	Project:	AOC4 UR Phase 3
Calibration:	GB00010	Instrument:	AUTOSPEC01
Calibration Date:	02/01/2023	Column (1):	RTX-Dioxin2

Compound	Level 01		Level 02		Level 03		Level 04		Level 05		Level 06	
	Conc	RRF	Conc	RRF	Conc	RRF	Conc	RRF	Conc	RRF	Conc	RRF
2,3,7,8-TCDF			0.5	0.877532	2	0.8642547	10	0.9061172	40	0.8618622	200	0.870536
2,3,7,8-TCDD			0.5	1.33035	2	1.248621	10	1.137397	40	1.237049	200	1.228383
1,2,3,7,8-PeCDF	0.5	0.8845981	2.5	0.8294231	10	0.8519399	50	0.8286668	200	0.8328816	1000	0.8404146
2,3,4,7,8-PeCDF	0.5	0.9010853	2.5	0.8749834	10	0.9503804	50	0.9063511	200	0.9081631	1000	0.9261047
1,2,3,7,8-PeCDD	0.5	1.076975	2.5	1.101718	10	1.081557	50	1.083093	200	1.079692	1000	1.097073
1,2,3,4,7,8-HxCDF	0.5	1.197722	2.5	1.179021	10	1.141778	50	1.167137	200	1.188102	1000	1.216357
1,2,3,6,7,8-HxCDF	0.5	1.253033	2.5	1.219645	10	1.232591	50	1.230384	200	1.272527	1000	1.280106
2,3,4,6,7,8-HxCDF	0.5	1.220454	2.5	1.190231	10	1.230824	50	1.241416	200	1.24972	1000	1.240458
1,2,3,7,8,9-HxCDF	0.5	1.289076	2.5	1.125812	10	1.1524	50	1.182788	200	1.184457	1000	1.18469
1,2,3,4,7,8-HxCDD	0.5	0.980203	2.5	0.9572147	10	0.9836815	50	0.9739271	200	1.007401	1000	1.019376
1,2,3,6,7,8-HxCDD	0.5	1.134416	2.5	1.030295	10	0.9857061	50	1.001378	200	0.9828882	1000	0.9896475
1,2,3,7,8,9-HxCDD	0.5	1.002595	2.5	0.9852727	10	0.9574018	50	0.9845218	200	0.9780696	1000	1.005007
1,2,3,4,6,7,8-HpCDF	0.5	1.324418	2.5	1.241402	10	1.191769	50	1.137863	200	1.167606	1000	1.161655
1,2,3,4,7,8,9-HpCDF	0.5	1.241104	2.5	1.123881	10	1.176079	50	1.125517	200	1.167259	1000	1.157988
1,2,3,4,6,7,8-HpCDD	0.5	1.539399	2.5	1.221931	10	1.205401	50	1.160679	200	1.191041	1000	1.196962
OCDF	1	1.504532	5	1.206799	20	1.118843	100	1.047747	400	1.115678	2000	1.123986
OCDD			5	1.311834	20	1.098771	100	1.020503	400	1.035617	2000	1.04661
13C12-2,3,7,8-TCDF	100	1.794277	100	1.759625	100	1.739873	100	1.673566	100	1.790703	100	1.850313
13C12-2,3,7,8-TCDD	100	1.096674	100	1.073836	100	1.076512	100	1.133427	100	1.068055	100	1.169179
13C12-1,2,3,7,8-PeCDF	100	1.498324	100	1.483018	100	1.508724	100	1.460163	100	1.478051	100	1.734472
13C12-2,3,4,7,8-PeCDF	100	1.43808	100	1.438214	100	1.422382	100	1.41533	100	1.419969	100	1.663731
13C12-1,2,3,7,8-PeCDD	100	0.8950759	100	0.9011154	100	0.8899914	100	0.8624621	100	0.887379	100	1.048887
13C12-1,2,3,4,7,8-HxCDF	100	1.054544	100	1.077759	100	1.075116	100	1.061315	100	1.049772	100	1.003461
13C12-1,2,3,6,7,8-HxCDF	100	1.068197	100	1.101907	100	1.090557	100	1.088609	100	1.088766	100	1.041682
13C12-2,3,4,6,7,8-HxCDF	100	0.9969267	100	1.031453	100	1.020521	100	1.007653	100	1.020588	100	1.008816
13C12-1,2,3,7,8,9-HxCDF	100	0.9015813	100	0.9303539	100	0.9398705	100	0.9240461	100	0.9405347	100	0.9312132
13C12-1,2,3,4,7,8-HxCDD	100	0.9319648	100	0.9598064	100	0.9330427	100	0.9375516	100	0.9212584	100	0.9139779
13C12-1,2,3,6,7,8-HxCDD	100	0.9536719	100	0.9762285	100	0.9776812	100	0.9576787	100	0.9642386	100	0.9582641

INITIAL CALIBRATION DATA

EPA 1613B

Laboratory:	Analytical Resources, LLC	SDG:	22L0307
Client:	Anchor QEA, LLC	Project:	AOC4 UR Phase 3
Calibration:	GB00010	Instrument:	AUTOSPEC01
Calibration Date:	02/01/2023	Column (1):	RTX-Dioxin2

Compound	Level 01		Level 02		Level 03		Level 04		Level 05		Level 06	
	Conc	RRF	Conc	RRF	Conc	RRF	Conc	RRF	Conc	RRF	Conc	RRF
13C12-1,2,3,4,6,7,8-HpCDF	100	1.009495	100	1.017629	100	1.046802	100	1.034238	100	1.053933	100	1.054435
13C12-1,2,3,4,7,8,9-HpCDF	100	0.8702856	100	0.8813287	100	0.9193412	100	0.9336903	100	0.9100344	100	0.9149429
13C12-1,2,3,4,6,7,8-HpCDD	100	0.7540434	100	0.7706109	100	0.7896711	100	0.7862201	100	0.7996856	100	0.7916329
13C12-OCDD	200	0.7447514	200	0.7401513	200	0.7909367	200	0.7980945	200	0.8130205	200	0.8424516
37Cl4-2,3,7,8-TCDD	0.1	1.457715	0.5	1.244154	2	1.209026	10	1.112721	40	1.137195	200	1.239891
13C12-1,2,3,4-TCDD	100	1	100	1	100	1	100	1	100	1	100	1
13C12-1,2,3,7,8,9-HxCDD	100	1	100	1	100	1	100	1	100	1	100	1

INITIAL CALIBRATION DATA
EPA 1613B

Laboratory:	Analytical Resources, LLC	SDG:	22L0307
Client:	Anchor QEA, LLC	Project:	AOC4 UR Phase 3
Calibration:	GB00010	Instrument:	AUTOSPEC01
Calibration Date:	02/01/2023	Column (1):	RTX-Dioxin2

COMPOUND	Mean RRF	RRF RSD	Linear COD	Quad COD	Limit Type & Limit	Q
2,3,7,8-TCDF	0.8760604	2.0			RSD ()	
2,3,7,8-TCDD	1.23636	5.6			RSD ()	
1,2,3,7,8-PeCDF	0.844654	2.5			RSD ()	
2,3,4,7,8-PeCDF	0.911178	2.8			RSD ()	
1,2,3,7,8-PeCDD	1.086685	0.9			RSD ()	
1,2,3,4,7,8-HxCDF	1.181686	2.2			RSD ()	
1,2,3,6,7,8-HxCDF	1.248048	2.0			RSD ()	
2,3,4,6,7,8-HxCDF	1.22885	1.7			RSD ()	
1,2,3,7,8,9-HxCDF	1.186537	4.7			RSD ()	
1,2,3,4,7,8-HxCDD	0.9869672	2.3			RSD ()	
1,2,3,6,7,8-HxCDD	1.020722	5.7			RSD ()	
1,2,3,7,8,9-HxCDD	0.985478	1.8			RSD ()	
1,2,3,4,6,7,8-HpCDF	1.204119	5.7			RSD ()	
1,2,3,4,7,8,9-HpCDF	1.165305	3.7			RSD ()	
1,2,3,4,6,7,8-HpCDD	1.252569	11.3			RSD ()	
OCDF	1.186264	13.8			RSD ()	
OCDD	1.102667	10.9			RSD ()	
13C12-2,3,7,8-TCDF	1.768059	3.4			RSD ()	
13C12-2,3,7,8-TCDD	1.102947	3.7			RSD ()	
13C12-1,2,3,7,8-PeCDF	1.527125	6.7			RSD ()	
13C12-2,3,4,7,8-PeCDF	1.466284	6.6			RSD ()	
13C12-1,2,3,7,8-PeCDD	0.9141518	7.4			RSD ()	
13C12-1,2,3,4,7,8-HxCDF	1.053661	2.6			RSD ()	
13C12-1,2,3,6,7,8-HxCDF	1.079953	2.0			RSD ()	
13C12-2,3,4,6,7,8-HxCDF	1.014326	1.2			RSD ()	
13C12-1,2,3,7,8,9-HxCDF	0.9279333	1.5			RSD ()	
13C12-1,2,3,4,7,8-HxCDD	0.9329336	1.7			RSD ()	
13C12-1,2,3,6,7,8-HxCDD	0.9646272	1.1			RSD ()	
13C12-1,2,3,4,6,7,8-HpCDF	1.036089	1.8			RSD ()	
13C12-1,2,3,4,7,8,9-HpCDF	0.9049372	2.7			RSD ()	
13C12-1,2,3,4,6,7,8-HpCDD	0.7819773	2.1			RSD ()	

INITIAL CALIBRATION DATA
EPA 1613B

Laboratory:	Analytical Resources, LLC	SDG:	22L0307
Client:	Anchor QEA, LLC	Project:	AOC4 UR Phase 3
Calibration:	GB00010	Instrument:	AUTOSPEC01
Calibration Date:	02/01/2023	Column (1):	RTX-Dioxin2

COMPOUND	Mean RRF	RRF RSD	Linear COD	Quad COD	Limit Type & Limit	Q
13C12-OCDD	0.7882343	5.0			RSD ()	
37Cl4-2,3,7,8-TCDD	1.23345	9.9			RSD ()	
13C12-1,2,3,4-TCDD	1	0.0			RSD ()	
13C12-1,2,3,7,8,9-HxCDD	1	0.0			RSD ()	

Printed: 2/3/2023 12:11:27PM

ANALYSIS SEQUENCE

SLB0026

Instrument:	AUTOSPEC01	HRGCMS Column ID:	K11292
Calibration ID:	GB00010	Tune File:	JAN3023
EM Voltage:	350	Resolution check times :	11:48, 22:06

Lab Number	Sample Name	Analysis	Container	Order	STD ID	ISTD ID	Analyzed	File ID	Analyst	Comments
SLB0026-ICV1	CS3R1	QC		1	K009821		02/01/2023 10:37	23020102	PK	
SLB0026-RES1	ISCR1	QC		2	K003933		02/01/2023 13:02	23020103	PK	
SLB0026-CAL1	CSLCR	QC		3	I005460		02/01/2023 14:39	23020104	PK	
SLB0026-CAL2	CS1CR	QC		4	I005456		02/01/2023 15:28	23020105	PK	
SLB0026-CAL3	CS2CR	QC		5	I005457		02/01/2023 17:07	23020106	PK	
SLB0026-CAL4	CS3CR	QC		6	K009821		02/01/2023 17:56	23020107	PK	
SLB0026-CAL5	CS4CR	QC		7	I005458		02/01/2023 18:45	23020108	PK	
SLB0026-CAL6	CS5CR	QC		8	I005459		02/01/2023 19:34	23020109	PK	
SLB0026-SCV1	ICVCR	QC		9	H008219		02/01/2023 20:23	23020110	PK	
SLB0026-CCV1	CS3R2	QC		10	K009821		02/01/2023 21:12	23020111	PK	
SLB0026-RES2	ISCR2	QC		11	K003933		02/01/2023 22:06	23020112	PK	

Quantify Audit Report MassLynx MassLynx V4.1 SCN909

Dataset: T:\Autospec\Processed Data Batch\230201ICIH.qld
Last Altered: Friday, February 03, 2023 10:33:40 Pacific Standard Time
Printed: Friday, February 03, 2023 10:36:13 Pacific Standard Time 2/3/23 pk

Event	Details	Sample ID
Process Extract		
Process Integrate		
Process Calibrate		
Process Quantify		
Dataset Created		
Peak deleted	Sample:23020104, Compound:TF, RT:25.882	1
Peak deleted	Sample:23020104, Compound:TD, RT:26.532	1
Peak deleted	Sample:23020104, Compound:OD, RT:45.120	1
Peak deleted	Sample:23020109, Compound:TF, RT:27.273	6
Peak deleted	Sample:23020109, Compound:TF, RT:27.379	6
Peak deleted	Sample:23020108, Compound:PP, RT:27.107	5
Peak deleted	Sample:23020106, Compound:PF, RT:32.432	3
Peak deleted	Sample:23020108, Compound:HF, RT:33.335	5
Peak deleted	Sample:23020109, Compound:HF, RT:33.335	6
Peak deleted	Sample:23020108, Compound:TD, RT:27.122	5
Peak deleted	Sample:23020108, Compound:TD, RT:27.061	5
Peak deleted	Sample:23020109, Compound:TD, RT:27.107	6
Peak deleted	Sample:23020109, Compound:TD, RT:27.167	6
Peak deleted	Sample:23020104, Compound:HPD, RT:39.318	1
Peak deleted	Sample:23020105, Compound:HPD, RT:39.318	2
Peak deleted	Sample:23020106, Compound:HPD, RT:39.329	3
Peak deleted	Sample:23020108, Compound:HPD, RT:39.296	5
Peak deleted	Sample:23020109, Compound:HPD, RT:39.307	6
Dataset Saved	Saved to 'T:\Autospec\Processed Data Batch\230201ICIH.qld'	

Method: T:\Autospec\Methods\Dioxin230131IH.mdb 03 Feb 2023 10:31:33
Calibration: T:\Autospec\Curves\230201ICIH.cdb 03 Feb 2023 10:33:40

ID: CS3R1, Name: 23020102, Date: 01-Feb-2023, Time: 10:37:16, Conditions: AUTOSPEC01, User: pk

Compound	RT	RRT	Ion1Area	Ion2Area	RRF	Ratio	Pred R	Noise 1	Noise 2	Height 1	Height 2	S/N 1	S/N 2	EMPC	Int.1	Int.2	pg
2378-TCDF	25.897	1.001	1.633e4	2.121e4	0.876	0.770	0.770	844	1016	2.38e5	3.19e5	282.5	314.0	NO	bb	bb	8.996
12378-PeCDF	30.050	1.001	1.109e5	7.631e4	0.845	1.453	1.550	1249	1693	1.63e6	1.11e6	1307.7	657.1	NO	bb	bd	45.474
23478-PeCDF	31.387	1.001	1.159e5	7.903e4	0.911	1.467	1.550	1249	1693	1.77e6	1.19e6	1420.2	702.0	NO	bd	bd	46.006
123478-HxCDF	34.997	1.000	1.295e5	1.045e5	1.182	1.240	1.240	1714	1368	2.02e6	1.66e6	1181.4	1216.7	NO	bd	bd	43.803
234678-HxCDF	35.988	1.000	1.343e5	1.093e5	1.229	1.229	1.240	1714	1368	2.03e6	1.64e6	1185.6	1198.5	NO	bd	bb	45.575
123678-HxCDF	35.131	1.000	1.458e5	1.151e5	1.248	1.266	1.240	1714	1368	2.05e6	1.65e6	1195.7	1205.2	NO	db	dd	44.655
123789-HxCDF	37.025	1.001	1.158e5	9.218e4	1.187	1.257	1.240	1714	1368	1.74e6	1.39e6	1013.6	1013.7	NO	bb	bb	44.499
1234678-HpCDF	38.852	1.000	1.090e5	1.104e5	1.204	0.988	1.050	1381	2036	1.81e6	1.80e6	1312.8	883.5	NO	bb	bd	45.091
1234789-HpCDF	41.113	1.001	9.861e4	9.166e4	1.165	1.076	1.050	1381	2036	1.37e6	1.36e6	990.9	669.9	NO	bd	bb	47.733
OCDF	45.368	1.006	1.600e5	1.827e5	1.186	0.875	0.890	1512	1583	1.89e6	2.17e6	1249.6	1369.4	NO	bd	bd	86.348
2378-TCDD	26.532	1.001	1.602e4	2.106e4	1.236	0.761	0.770	1110	975	2.31e5	3.09e5	207.8	317.0	NO	bb	bd	7.999
12378-PeCDD	31.643	1.001	9.866e4	5.958e4	1.087	1.656	1.550	1646	1001	1.48e6	9.13e5	896.9	912.1	NO	bd	bb	49.739
123478-HxCDD	36.111	1.000	1.092e5	8.877e4	0.987	1.230	1.240	1547	1532	1.85e6	1.48e6	1198.0	965.8	NO	bd	bd	44.758
123678-HxCDD	36.234	1.001	1.208e5	9.232e4	1.021	1.308	1.240	1547	1532	1.90e6	1.47e6	1225.9	960.4	NO	db	db	43.840
123789-HxCDD	36.612	1.011	1.096e5	9.138e4	0.985	1.199	1.240	1547	1532	1.82e6	1.52e6	1178.1	989.3	NO	bb	bb	44.134
1234678-HpCDD	40.367	1.001	9.142e4	8.634e4	1.253	1.059	1.050	1287	1635	1.36e6	1.30e6	1055.7	793.5	NO	bd	bb	44.175
OCDD	45.130	1.000	1.558e5	1.797e5	1.103	0.867	0.890	1087	1881	1.97e6	2.25e6	1808.2	1195.6	NO	bb	bb	90.946
13C-2378-TCDF	25.867	1.006	2.092e5	2.671e5	1.768	0.783	0.770	1473	1226	3.13e6	4.02e6	2126.4	3281.6	NO	bb	bb	81.841
13C-12378-PeCDF	30.028	1.168	2.959e5	1.916e5	1.527	1.544	1.550	2999	2197	4.50e6	2.95e6	1498.8	1341.1	NO	bb	bb	96.965
13C-23478-PeCDF	31.365	1.220	2.816e5	1.834e5	1.466	1.535	1.550	2999	2197	4.34e6	2.84e6	1446.0	1290.5	NO	bb	bb	96.345
13C-123478-HxCDF	34.986	0.956	1.509e5	3.011e5	1.054	0.501	0.510	1539	2587	2.37e6	4.78e6	1539.0	1847.3	NO	bd	bd	88.697
13C-123678-HxCDF	35.119	0.960	1.595e5	3.087e5	1.080	0.517	0.510	1539	2587	2.51e6	4.86e6	1632.0	1878.9	NO	db	db	89.641
13C-234678-HxCDF	35.977	0.983	1.463e5	2.887e5	1.014	0.507	0.510	1539	2587	2.39e6	4.73e6	1553.6	1829.5	NO	bb	bb	88.660
13C-123789-HxCDF	37.002	1.011	1.315e5	2.625e5	0.928	0.501	0.510	1539	2587	2.16e6	4.40e6	1402.9	1699.3	NO	bb	bb	87.781
13C-1234678-HpCDF	38.841	1.062	1.240e5	2.800e5	1.036	0.443	0.440	1596	2193	2.11e6	4.68e6	1322.3	2133.9	NO	bb	bb	80.624
13C-1234789-HpCDF	41.091	1.123	1.084e5	2.336e5	0.905	0.464	0.440	1596	2193	1.58e6	3.44e6	991.3	1568.5	NO	bb	bb	78.158
13C-1234-TCDD	25.700	0.000	1.445e5	1.847e5	1.000	0.782	0.770	1667	873	2.18e6	2.81e6	1307.2	3212.9	NO	bb	bb	100.000
13C-2378-TCDD	26.517	1.032	1.635e5	2.114e5	1.103	0.774	0.770	1667	873	2.52e6	3.27e6	1513.3	3746.2	NO	bb	bb	103.258
13C-12378-PeCDD	31.621	1.230	1.783e5	1.145e5	0.914	1.557	1.550	940	1014	2.71e6	1.73e6	2879.6	1709.2	NO	bb	bb	97.286
13C-123478-HxCDD	36.100	0.987	2.492e5	1.989e5	0.933	1.253	1.240	1846	1567	4.13e6	3.30e6	2236.6	2103.6	NO	bd	bd	99.308
13C-123678-HxCDD	36.211	0.990	2.631e5	2.131e5	0.965	1.234	1.240	1846	1567	4.22e6	3.43e6	2285.9	2187.7	NO	db	db	102.074
13C-1234678-HpCDD	40.345	1.103	1.659e5	1.554e5	0.782	1.067	1.050	1641	1171	2.51e6	2.40e6	1529.6	2051.4	NO	bb	bb	84.947
13C-OCDD	45.111	1.233	3.174e5	3.517e5	0.788	0.903	0.890	3114	1814	4.07e6	4.46e6	1307.4	2459.0	NO	bb	bb	175.516
13C-123789-HxCDD	36.590	0.000	2.678e5	2.158e5	1.000	1.241	1.240	1846	1567	4.30e6	3.43e6	2331.6	2186.8	NO	bb	bb	100.000
37CL-2378-TCDD	26.532	1.032	3.482e4		1.233			850		5.25e5		617.9			bb		8.577

ID: CS3R1, Name: 23020102, Date: 01-Feb-2023, Time: 10:37:16, Conditions: AUTOSPEC01, User: pk

Compound	RT	RRT	Ion1Area	Ion2Area	RRF	Ratio	Pred R	Noise 1	Noise 2	Height 1	Height 2	S/N 1	S/N 2	EMPC	Int.1	Int.2	pg
1368-TCDF	22.389	0.866	1.928e4	2.641e4	1.064	0.730	0.770	844	1016	3.12e5	4.35e5	369.4	427.9	NO	bb	bb	9.011
1289-TCDF	27.394	1.059	1.506e4	2.111e4	0.858	0.713	0.770	844	1016	2.15e5	3.01e5	254.4	296.4	NO	db	dd	8.854
13468-PECDF	27.243	0.907	1.732e5	1.184e5	1.013	1.464	1.550	906	933	2.67e6	1.81e6	2951.1	1944.9	NO	bb	bb	59.051
12389-PECDF	32.423	1.080	1.096e5	7.394e4	0.844	1.482	1.550	1249	1693	1.63e6	1.06e6	1301.6	627.3	NO	bb	bd	44.621
123468-HXCDF	33.337	0.953	1.333e5	1.071e5	1.197	1.245	1.240	1714	1368	1.94e6	1.63e6	1132.0	1192.1	NO	bb	bd	44.431
1368-TCDD	23.674	0.893	1.559e4	1.973e4	1.084	0.790	0.770	1110	975	2.48e5	3.06e5	223.8	314.1	NO	bb	bb	8.690
1289-TCDD	27.137	1.023	1.343e4	1.711e4	0.975	0.785	0.770	1110	975	2.02e5	2.57e5	181.6	263.1	NO	bb	bd	8.354
12479-PECDD	28.925	0.915	1.617e5	1.030e5	1.837	1.569	1.550	1646	1001	1.58e6	1.01e6	962.4	1010.4	NO	bb	bb	49.217
12389-PECDD	32.033	1.013	1.065e5	6.755e4	1.252	1.576	1.550	1646	1001	1.60e6	1.04e6	973.2	1039.9	NO	bb	bb	47.467
124679-HXCDD	34.117	0.945	1.151e5	9.437e4	1.033	1.219	1.240	1547	1532	1.82e6	1.49e6	1174.2	973.0	NO	bb	bb	45.255
1234679-HPCDD	39.309	0.974	9.857e4	9.267e4	1.286	1.064	1.050	1287	1635	1.62e6	1.55e6	1257.2	945.5	NO	bb	bb	46.288
Total-tetrafurans			5.067e4		0.933			844		7.65e5							26.861
Total-penta1			1.732e5					906		2.67e6							59.051
Total-pentafurans			3.556e5		0.866			1249		5.33e6							143.542
Total-hexafurans			6.587e5		1.208			1714		9.78e6							222.964
Total-heptafurans			2.076e5		1.185			1381		3.18e6							92.824
Total-Furans			1.606e6		1.067			844		2.36e7							631.589
Total-tetradioxins			7.564e4		1.099			1110		1.04e6							41.916
Total-pentadioxins			3.670e5		1.392			1646		4.67e6							146.491
Total-hexadioxins			4.546e5		1.007			1547		7.39e6							177.988
Total-heptadioxins			1.900e5		1.269			1287		2.98e6							90.463
Total-Dioxins			1.243e6		1.165			1110		1.80e7							547.804
Total-TEQ			2.849e6					1110		4.17e7							1179.393
FUNCTION1 PFK			6.977e5					215892		1.30e7							
FUNCTION2 PFK			7.329e6					149595		7.20e7							0.000
FUNCTION3 PFK			1.409e7					224809		7.00e7							0.000
FUNCTION4 PFK			7.505e3					156562		3.03e5							
FUNCTION5 PFK			1.269e4					142532		5.28e5							
FUNCTION1 HXCD...			3.884e2					838		8.06e3							0.000
FUNCTION1 HPCD...			3.094e2					854		6.24e3							0.000
FUNCTION2 HPCD...			4.137e2					755		7.38e3							0.000
FUNCTION3 OCDPE			2.422e2					659		4.44e3							0.000
FUNCTION4 NCDPE			2.399e2					738		4.58e3							0.000
FUNCTION5 DCDPE			0.000e0					686		0.00e0							

Method: T:\Autospec\Methods\Dioxin230131IH.mdb 03 Feb 2023 10:31:33
Calibration: T:\Autospec\Curves\230201ICIH.cdb 03 Feb 2023 10:33:40

ID: CS3R1, Name: 23020102, Date: 01-Feb-2023, Time: 10:37:16, Conditions: AUTOSPEC01, User: pk

TF

	Compound	RT	Ion1Area	Ion2Area	RRF	Ratio	Pred R	S/N 1	SNFlag	EMPC	Int.1	Int.2	pg
1	1289-TCDF	27.39	1.506e4	2.111e4	0.858	0.71	0.77	254.4	YES	NO	db	dd	8.854
2	2378-TCDF	25.90	1.633e4	2.121e4	0.876	0.77	0.77	282.5	YES	NO	bb	bb	8.996
3	1368-TCDF	22.39	1.928e4	2.641e4	1.064	0.73	0.77	369.4	YES	NO	bb	bb	9.011

PP

	Compound	RT	Ion1Area	Ion2Area	RRF	Ratio	Pred R	S/N 1	SNFlag	EMPC	Int.1	Int.2	pg
1	13468-PECDF	27.24	1.732e5	1.184e5	1.013	1.46	1.55	2951.1	YES	NO	bb	bb	59.051

PF

	Compound	RT	Ion1Area	Ion2Area	RRF	Ratio	Pred R	S/N 1	SNFlag	EMPC	Int.1	Int.2	pg
1	12389-PECDF	32.42	1.096e5	7.394e4	0.844	1.48	1.55	1301.6	YES	NO	bb	bd	44.621
2	23478-PeCDF	31.39	1.159e5	7.903e4	0.911	1.47	1.55	1420.2	YES	NO	bd	bd	46.006
3	12378-PeCDF	30.05	1.109e5	7.631e4	0.845	1.45	1.55	1307.7	YES	NO	bb	bd	45.474
4	Total-pentafurans	28.90	1.918e4	1.152e4	0.866	1.67	1.55	232.8	YES	NO	bb	bb	7.440

HF

	Compound	RT	Ion1Area	Ion2Area	RRF	Ratio	Pred R	S/N 1	SNFlag	EMPC	Int.1	Int.2	pg
1	234678-HxCDF	35.99	1.343e5	1.093e5	1.229	1.23	1.24	1185.6	YES	NO	bd	bb	45.575
2	123678-HxCDF	35.13	1.458e5	1.151e5	1.248	1.27	1.24	1195.7	YES	NO	db	dd	44.655
3	123478-HxCDF	35.00	1.295e5	1.045e5	1.182	1.24	1.24	1181.4	YES	NO	bd	bd	43.803
4	123468-HXCDF	33.34	1.333e5	1.071e5	1.197	1.24	1.24	1132.0	YES	NO	bb	bd	44.431
5	123789-HxCDF	37.02	1.158e5	9.218e4	1.187	1.26	1.24	1013.6	YES	NO	bb	bb	44.499

HPF

	Compound	RT	Ion1Area	Ion2Area	RRF	Ratio	Pred R	S/N 1	SNFlag	EMPC	Int.1	Int.2	pg
1	1234789-HpCDF	41.11	9.861e4	9.166e4	1.165	1.08	1.05	990.9	YES	NO	bd	bb	47.733
2	1234678-HpCDF	38.85	1.090e5	1.104e5	1.204	0.99	1.05	1312.8	YES	NO	bb	bd	45.091

ID: CS3R1, Name: 23020102, Date: 01-Feb-2023, Time: 10:37:16, Conditions: AUTOSPEC01, User: pk

Furans,TF,PP,PF,HF,HPF,OF

	Compound	RT	Ion1Area	Ion2Area	RRF	Ratio	Pred R	S/N 1	SNFlag	EMPC	Int.1	Int.2	pg
1	1289-TCDF	27.39	1.506e4	2.111e4	0.858	0.71	0.77	254.4	YES	NO	db	dd	8.854
2	2378-TCDF	25.90	1.633e4	2.121e4	0.876	0.77	0.77	282.5	YES	NO	bb	bb	8.996
3	1368-TCDF	22.39	1.928e4	2.641e4	1.064	0.73	0.77	369.4	YES	NO	bb	bb	9.011
4	12389-PECDF	32.42	1.096e5	7.394e4	0.844	1.48	1.55	1301.6	YES	NO	bb	bd	44.621
5	23478-PeCDF	31.39	1.159e5	7.903e4	0.911	1.47	1.55	1420.2	YES	NO	bd	bd	46.006
6	12378-PeCDF	30.05	1.109e5	7.631e4	0.845	1.45	1.55	1307.7	YES	NO	bb	bd	45.474
7	Total-pentafurans	28.90	1.918e4	1.152e4	0.866	1.67	1.55	232.8	YES	NO	bb	bb	7.440
8	234678-HxCDF	35.99	1.343e5	1.093e5	1.229	1.23	1.24	1185.6	YES	NO	bd	bb	45.575
9	123678-HxCDF	35.13	1.458e5	1.151e5	1.248	1.27	1.24	1195.7	YES	NO	db	dd	44.655
10	123478-HxCDF	35.00	1.295e5	1.045e5	1.182	1.24	1.24	1181.4	YES	NO	bd	bd	43.803
11	123468-HXCDF	33.34	1.333e5	1.071e5	1.197	1.24	1.24	1132.0	YES	NO	bb	bd	44.431
12	123789-HxCDF	37.02	1.158e5	9.218e4	1.187	1.26	1.24	1013.6	YES	NO	bb	bb	44.499
13	1234789-HpCDF	41.11	9.861e4	9.166e4	1.165	1.08	1.05	990.9	YES	NO	bd	bb	47.733
14	1234678-HpCDF	38.85	1.090e5	1.104e5	1.204	0.99	1.05	1312.8	YES	NO	bb	bd	45.091
15	OCDF	45.37	1.600e5	1.827e5	1.186	0.88	0.89	1249.6	YES	NO	bd	bd	86.348
16	13468-PECDF	27.24	1.732e5	1.184e5	1.013	1.46	1.55	2951.1	YES	NO	bb	bb	59.051

TD

	Compound	RT	Ion1Area	Ion2Area	RRF	Ratio	Pred R	S/N 1	SNFlag	EMPC	Int.1	Int.2	pg
1	1368-TCDD	23.67	1.559e4	1.973e4	1.084	0.79	0.77	223.8	YES	NO	bb	bb	8.690
2	1289-TCDD	27.14	1.343e4	1.711e4	0.975	0.79	0.77	181.6	YES	NO	bb	bd	8.354
3	2378-TCDD	26.53	1.602e4	2.106e4	1.236	0.76	0.77	207.8	YES	NO	bb	bd	7.999
4	Total-tetradioxins	26.21	2.312e4	2.981e4	1.099	0.78	0.77	216.6	YES	NO	bb	bb	12.852
5	Total-tetradioxins	25.73	7.468e3	9.090e3	1.099	0.82	0.77	105.7	YES	NO	bb	bb	4.020

PD

	Compound	RT	Ion1Area	Ion2Area	RRF	Ratio	Pred R	S/N 1	SNFlag	EMPC	Int.1	Int.2	pg
1	12389-PECDD	32.03	1.065e5	6.755e4	1.252	1.58	1.55	973.2	YES	NO	bb	bb	47.467
2	Total-pentadioxins	31.87	1.652e2	1.080e2	1.392	1.53	1.55	3.2	YES	NO	db	bb	0.067
3	12378-PeCDD	31.64	9.866e4	5.958e4	1.087	1.66	1.55	896.9	YES	NO	bd	bb	49.739
4	12479-PECDD	28.92	1.617e5	1.030e5	1.837	1.57	1.55	962.4	YES	NO	bb	bb	49.217

ID: CS3R1, Name: 23020102, Date: 01-Feb-2023, Time: 10:37:16, Conditions: AUTOSPEC01, User: pk

HD

	Compound	RT	Ion1Area	Ion2Area	RRF	Ratio	Pred R	S/N 1	SNFlag	EMPC	Int.1	Int.2	pg
1	123789-HxCDD	36.61	1.096e5	9.138e4	0.985	1.20	1.24	1178.1	YES	NO	bb	bb	44.134
2	123678-HxCDD	36.23	1.208e5	9.232e4	1.021	1.31	1.24	1225.9	YES	NO	db	db	43.840
3	123478-HxCDD	36.11	1.092e5	8.877e4	0.987	1.23	1.24	1198.0	YES	NO	bd	bd	44.758
4	124679-HXCDD	34.12	1.151e5	9.437e4	1.033	1.22	1.24	1174.2	YES	NO	bb	bb	45.255

HPD

	Compound	RT	Ion1Area	Ion2Area	RRF	Ratio	Pred R	S/N 1	SNFlag	EMPC	Int.1	Int.2	pg
1	1234678-HpCDD	40.37	9.142e4	8.634e4	1.253	1.06	1.05	1055.7	YES	NO	bd	bb	44.175
2	1234679-HPCDD	39.31	9.857e4	9.267e4	1.286	1.06	1.05	1257.2	YES	NO	bb	bb	46.288

Dioxins,TD,PD,HD,HPD,OD

	Compound	RT	Ion1Area	Ion2Area	RRF	Ratio	Pred R	S/N 1	SNFlag	EMPC	Int.1	Int.2	pg
1	1368-TCDD	23.67	1.559e4	1.973e4	1.084	0.79	0.77	223.8	YES	NO	bb	bb	8.690
2	1289-TCDD	27.14	1.343e4	1.711e4	0.975	0.79	0.77	181.6	YES	NO	bb	bd	8.354
3	2378-TCDD	26.53	1.602e4	2.106e4	1.236	0.76	0.77	207.8	YES	NO	bb	bd	7.999
4	Total-tetradioxins	26.21	2.312e4	2.981e4	1.099	0.78	0.77	216.6	YES	NO	bb	bb	12.852
5	Total-tetradioxins	25.73	7.468e3	9.090e3	1.099	0.82	0.77	105.7	YES	NO	bb	bb	4.020
6	12389-PECDD	32.03	1.065e5	6.755e4	1.252	1.58	1.55	973.2	YES	NO	bb	bb	47.467
7	Total-pentadioxins	31.87	1.652e2	1.080e2	1.392	1.53	1.55	3.2	YES	NO	db	bb	0.067
8	12378-PeCDD	31.64	9.866e4	5.958e4	1.087	1.66	1.55	896.9	YES	NO	bd	bb	49.739
9	12479-PECDD	28.92	1.617e5	1.030e5	1.837	1.57	1.55	962.4	YES	NO	bb	bb	49.217
10	123789-HxCDD	36.61	1.096e5	9.138e4	0.985	1.20	1.24	1178.1	YES	NO	bb	bb	44.134
11	123678-HxCDD	36.23	1.208e5	9.232e4	1.021	1.31	1.24	1225.9	YES	NO	db	db	43.840
12	123478-HxCDD	36.11	1.092e5	8.877e4	0.987	1.23	1.24	1198.0	YES	NO	bd	bd	44.758
13	124679-HXCDD	34.12	1.151e5	9.437e4	1.033	1.22	1.24	1174.2	YES	NO	bb	bb	45.255
14	1234678-HpCDD	40.37	9.142e4	8.634e4	1.253	1.06	1.05	1055.7	YES	NO	bd	bb	44.175
15	1234679-HPCDD	39.31	9.857e4	9.267e4	1.286	1.06	1.05	1257.2	YES	NO	bb	bb	46.288
16	OCDD	45.13	1.558e5	1.797e5	1.103	0.87	0.89	1808.2	YES	NO	bb	bb	90.946

ID: CS3R1, Name: 23020102, Date: 01-Feb-2023, Time: 10:37:16, Conditions: AUTOSPEC01, User: pk

TotalTEQ,Furans,Dioxins

	Compound	RT	Ion1Area	Ion2Area	RRF	Ratio	Pred R	S/N 1	SNFlag	EMPC	Int.1	Int.2	pg
1	1289-TCDF	27.39	1.506e4	2.111e4	0.858	0.71	0.77	254.4	YES	NO	db	dd	8.854
2	2378-TCDF	25.90	1.633e4	2.121e4	0.876	0.77	0.77	282.5	YES	NO	bb	bb	8.996
3	1368-TCDF	22.39	1.928e4	2.641e4	1.064	0.73	0.77	369.4	YES	NO	bb	bb	9.011
4	12389-PECDF	32.42	1.096e5	7.394e4	0.844	1.48	1.55	1301.6	YES	NO	bb	bd	44.621
5	23478-PeCDF	31.39	1.159e5	7.903e4	0.911	1.47	1.55	1420.2	YES	NO	bd	bd	46.006
6	12378-PeCDF	30.05	1.109e5	7.631e4	0.845	1.45	1.55	1307.7	YES	NO	bb	bd	45.474
7	Total-pentafurans	28.90	1.918e4	1.152e4	0.866	1.67	1.55	232.8	YES	NO	bb	bb	7.440
8	234678-HxCDF	35.99	1.343e5	1.093e5	1.229	1.23	1.24	1185.6	YES	NO	bd	bb	45.575
9	123678-HxCDF	35.13	1.458e5	1.151e5	1.248	1.27	1.24	1195.7	YES	NO	db	dd	44.655
10	123478-HxCDF	35.00	1.295e5	1.045e5	1.182	1.24	1.24	1181.4	YES	NO	bd	bd	43.803
11	123468-HXCDF	33.34	1.333e5	1.071e5	1.197	1.24	1.24	1132.0	YES	NO	bb	bd	44.431
12	123789-HxCDF	37.02	1.158e5	9.218e4	1.187	1.26	1.24	1013.6	YES	NO	bb	bb	44.499
13	1234789-HpCDF	41.11	9.861e4	9.166e4	1.165	1.08	1.05	990.9	YES	NO	bd	bb	47.733
14	1234678-HpCDF	38.85	1.090e5	1.104e5	1.204	0.99	1.05	1312.8	YES	NO	bb	bd	45.091
15	OCDF	45.37	1.600e5	1.827e5	1.186	0.88	0.89	1249.6	YES	NO	bd	bd	86.348
16	13468-PECDF	27.24	1.732e5	1.184e5	1.013	1.46	1.55	2951.1	YES	NO	bb	bb	59.051
17	1368-TCDD	23.67	1.559e4	1.973e4	1.084	0.79	0.77	223.8	YES	NO	bb	bb	8.690
18	1289-TCDD	27.14	1.343e4	1.711e4	0.975	0.79	0.77	181.6	YES	NO	bb	bd	8.354
19	2378-TCDD	26.53	1.602e4	2.106e4	1.236	0.76	0.77	207.8	YES	NO	bb	bd	7.999
20	Total-tetradioxins	26.21	2.312e4	2.981e4	1.099	0.78	0.77	216.6	YES	NO	bb	bb	12.852
21	Total-tetradioxins	25.73	7.468e3	9.090e3	1.099	0.82	0.77	105.7	YES	NO	bb	bb	4.020
22	12389-PECDD	32.03	1.065e5	6.755e4	1.252	1.58	1.55	973.2	YES	NO	bb	bb	47.467
23	Total-pentadioxins	31.87	1.652e2	1.080e2	1.392	1.53	1.55	3.2	YES	NO	db	bb	0.067
24	12378-PeCDD	31.64	9.866e4	5.958e4	1.087	1.66	1.55	896.9	YES	NO	bd	bb	49.739
25	12479-PECDD	28.92	1.617e5	1.030e5	1.837	1.57	1.55	962.4	YES	NO	bb	bb	49.217
26	123789-HxCDD	36.61	1.096e5	9.138e4	0.985	1.20	1.24	1178.1	YES	NO	bb	bb	44.134
27	123678-HxCDD	36.23	1.208e5	9.232e4	1.021	1.31	1.24	1225.9	YES	NO	db	db	43.840
28	123478-HxCDD	36.11	1.092e5	8.877e4	0.987	1.23	1.24	1198.0	YES	NO	bd	bd	44.758
29	124679-HXCDD	34.12	1.151e5	9.437e4	1.033	1.22	1.24	1174.2	YES	NO	bb	bb	45.255
30	1234678-HpCDD	40.37	9.142e4	8.634e4	1.253	1.06	1.05	1055.7	YES	NO	bd	bb	44.175
31	1234679-HPCDD	39.31	9.857e4	9.267e4	1.286	1.06	1.05	1257.2	YES	NO	bb	bb	46.288
32	OCDD	45.13	1.558e5	1.797e5	1.103	0.87	0.89	1808.2	YES	NO	bb	bb	90.946

ID: CS3R1, Name: 23020102, Date: 01-Feb-2023, Time: 10:37:16, Conditions: AUTOSPEC01, User: pk

PFK1

	Compound	RT	Ion1Area	Ion2Area	RRF	Ratio	Pred R	S/N 1	SNFlag	EMPC	Int.1	Int.2	pg
1	FUNCTION1 PFK	21.12	9.025e3					1.5	NO		bb		
2	FUNCTION1 PFK	23.39	1.564e4					1.7	NO		db		
3	FUNCTION1 PFK	23.33	1.699e4					1.8	NO		dd		
4	FUNCTION1 PFK	23.21	3.674e4					1.8	NO		dd		
5	FUNCTION1 PFK	23.15	1.668e4					1.7	NO		bd		
6	FUNCTION1 PFK	23.07	1.606e4					2.1	NO		bb		
7	FUNCTION1 PFK	22.69	6.506e3					1.1	NO		db		
8	FUNCTION1 PFK	22.57	5.324e4					2.0	NO		bd		
9	FUNCTION1 PFK	22.46	2.047e3					0.6	NO		bb		
10	FUNCTION1 PFK	22.18	2.854e4					1.8	NO		bb		
11	FUNCTION1 PFK	22.00	2.061e4					1.1	NO		bb		
12	FUNCTION1 PFK	21.88	1.276e3					0.4	NO		bb		
13	FUNCTION1 PFK	21.48	1.972e3					0.6	NO		bb		
14	FUNCTION1 PFK	21.36	4.333e4					3.4	YES		db		
15	FUNCTION1 PFK	21.33	3.930e4					3.3	YES		dd		
16	FUNCTION1 PFK	21.25	3.950e4					3.7	YES		dd		
17	FUNCTION1 PFK	21.22	1.839e4					1.7	NO		bd		
18	FUNCTION1 PFK	26.44	2.008e3					0.6	NO		bb		
19	FUNCTION1 PFK	26.37	1.096e4					1.2	NO		bb		
20	FUNCTION1 PFK	26.06	5.687e3					0.8	NO		bb		
21	FUNCTION1 PFK	25.85	4.606e4					2.0	NO		bb		
22	FUNCTION1 PFK	25.67	1.822e4					1.6	NO		db		
23	FUNCTION1 PFK	25.59	5.429e3					0.7	NO		bd		
24	FUNCTION1 PFK	25.41	3.678e3					0.7	NO		bb		
25	FUNCTION1 PFK	25.35	1.804e3					0.6	NO		bb		
26	FUNCTION1 PFK	24.69	1.276e4					1.4	NO		bb		
27	FUNCTION1 PFK	24.46	1.415e3					0.4	NO		bb		
28	FUNCTION1 PFK	24.23	1.486e4					1.4	NO		db		
29	FUNCTION1 PFK	24.16	3.220e4					2.1	NO		dd		
30	FUNCTION1 PFK	24.07	1.916e4					1.5	NO		bd		
31	FUNCTION1 PFK	23.86	1.041e4					1.2	NO		bb		
32	FUNCTION1 PFK	23.75	2.252e4					1.8	NO		bb		
33	FUNCTION1 PFK	23.46	2.488e3					0.5	NO		bb		
34	FUNCTION1 PFK	28.21	1.683e4					1.3	NO		bb		
35	FUNCTION1 PFK	28.13	1.846e4					1.2	NO		db		
36	FUNCTION1 PFK	27.97	3.589e4					1.9	NO		bd		
37	FUNCTION1 PFK	27.85	3.272e3					0.6	NO		bb		

ID: CS3R1, Name: 23020102, Date: 01-Feb-2023, Time: 10:37:16, Conditions: AUTOSPEC01, User: pk

PFK1

	Compound	RT	Ion1Area	Ion2Area	RRF	Ratio	Pred R	S/N 1	SNFlag	EMPC	Int.1	Int.2	pg
38	FUNCTION1 PFK	27.55	1.459e3					0.4	NO		bb		
39	FUNCTION1 PFK	27.48	1.620e3					0.5	NO		bb		
40	FUNCTION1 PFK	27.36	8.182e3					1.0	NO		bb		
41	FUNCTION1 PFK	27.27	3.811e3					0.8	NO		db		
42	FUNCTION1 PFK	27.24	6.329e3					0.8	NO		bd		
43	FUNCTION1 PFK	27.03	6.469e3					1.1	NO		db		
44	FUNCTION1 PFK	26.99	1.869e4					1.7	NO		bd		
45	FUNCTION1 PFK	26.88	1.188e3					0.4	NO		bb		

ID: CS3R1, Name: 23020102, Date: 01-Feb-2023, Time: 10:37:16, Conditions: AUTOSPEC01, User: pk

PFK2

	Compound	RT	Ion1Area	Ion2Area	RRF	Ratio	Pred R	S/N 1	SNFlag	EMPC	Int.1	Int.2	pg
1	FUNCTION2 PFK	28.61	1.089e6					38.3	YES		dd		0.000
2	FUNCTION2 PFK	28.42	5.461e5					42.0	YES		dd		0.000
3	FUNCTION2 PFK	28.36	4.208e5					43.0	YES		bd		0.000
4	FUNCTION2 PFK	30.22	3.292e4					7.2	YES		dd		0.000
5	FUNCTION2 PFK	30.16	1.231e5					8.8	YES		dd		0.000
6	FUNCTION2 PFK	30.05	1.117e5					10.9	YES		dd		0.000
7	FUNCTION2 PFK	29.99	9.120e4					11.4	YES		dd		0.000
8	FUNCTION2 PFK	29.94	2.092e5					12.7	YES		dd		0.000
9	FUNCTION2 PFK	29.76	2.907e5					15.9	YES		dd		0.000
10	FUNCTION2 PFK	29.69	1.383e5					17.3	YES		dd		0.000
11	FUNCTION2 PFK	29.58	3.090e5					19.5	YES		dd		0.000
12	FUNCTION2 PFK	29.52	2.750e5					21.8	YES		dd		0.000
13	FUNCTION2 PFK	29.39	4.070e5					23.3	YES		dd		0.000
14	FUNCTION2 PFK	29.28	4.078e5					25.5	YES		dd		0.000
15	FUNCTION2 PFK	29.18	3.023e5					27.3	YES		dd		0.000
16	FUNCTION2 PFK	29.14	2.357e5					29.1	YES		dd		0.000
17	FUNCTION2 PFK	28.99	6.311e5					30.4	YES		dd		0.000
18	FUNCTION2 PFK	28.92	2.637e5					32.6	YES		dd		0.000
19	FUNCTION2 PFK	28.71	1.202e6					36.5	YES		dd		0.000
20	FUNCTION2 PFK	32.81	9.753e3					1.3	NO		bb		0.000
21	FUNCTION2 PFK	32.42	4.488e3					1.0	NO		db		0.000
22	FUNCTION2 PFK	32.38	3.779e3					1.0	NO		bd		0.000
23	FUNCTION2 PFK	31.96	1.738e4					2.2	NO		bb		0.000
24	FUNCTION2 PFK	31.88	6.239e3					1.5	NO		db		0.000
25	FUNCTION2 PFK	31.82	6.444e3					1.4	NO		bd		0.000
26	FUNCTION2 PFK	31.71	6.215e3					1.3	NO		db		0.000
27	FUNCTION2 PFK	31.68	5.289e3					1.0	NO		bd		0.000
28	FUNCTION2 PFK	31.61	3.799e3					1.0	NO		bb		0.000
29	FUNCTION2 PFK	31.29	5.305e3					1.2	NO		bb		0.000
30	FUNCTION2 PFK	31.23	7.886e3					2.2	NO		bb		0.000
31	FUNCTION2 PFK	30.99	1.453e4					1.9	NO		bb		0.000
32	FUNCTION2 PFK	30.82	9.920e3					1.5	NO		bb		0.000
33	FUNCTION2 PFK	30.75	8.792e3					1.2	NO		bb		0.000
34	FUNCTION2 PFK	30.57	3.072e3					0.9	NO		bb		0.000
35	FUNCTION2 PFK	30.26	1.206e5					6.2	YES		db		0.000
36	FUNCTION2 PFK	32.91	8.369e3					1.2	NO		bb		0.000

ID: CS3R1, Name: 23020102, Date: 01-Feb-2023, Time: 10:37:16, Conditions: AUTOSPEC01, User: pk

PFK3

	Compound	RT	Ion1Area	Ion2Area	RRF	Ratio	Pred R	S/N 1	SNFlag	EMPC	Int.1	Int.2	pg
1	FUNCTION3 PFK	36.94	1.363e3					0.5	NO		bb		0.000
2	FUNCTION3 PFK	36.89	2.597e3					0.7	NO		bb		0.000
3	FUNCTION3 PFK	36.63	5.216e4					2.1	NO		bb		0.000
4	FUNCTION3 PFK	35.98	3.727e4					3.2	YES		bb		0.000
5	FUNCTION3 PFK	35.89	8.881e3					1.2	NO		bb		0.000
6	FUNCTION3 PFK	35.60	1.234e3					0.5	NO		bb		0.000
7	FUNCTION3 PFK	34.97	3.658e3					1.5	NO		bb		0.000
8	FUNCTION3 PFK	34.76	1.198e4					1.2	NO		bb		0.000
9	FUNCTION3 PFK	34.41	7.167e5					12.6	YES		db		0.000
10	FUNCTION3 PFK	34.27	1.814e5					18.8	YES		dd		0.000
11	FUNCTION3 PFK	33.46	8.929e6					56.3	YES		dd		0.000
12	FUNCTION3 PFK	33.26	1.470e6					65.1	YES		dd		0.000
13	FUNCTION3 PFK	33.14	1.013e6					69.2	YES		dd		0.000
14	FUNCTION3 PFK	33.07	1.616e6					73.1	YES		bd		0.000
15	FUNCTION3 PFK	37.87	2.660e3					0.7	NO		bb		0.000
16	FUNCTION3 PFK	37.70	1.990e4					1.9	NO		bb		0.000
17	FUNCTION3 PFK	37.50	4.098e3					0.8	NO		bb		0.000
18	FUNCTION3 PFK	37.39	4.630e3					0.7	NO		bb		0.000
19	FUNCTION3 PFK	37.31	1.274e4					1.3	NO		bb		0.000

PFK4

	Compound	RT	Ion1Area	Ion2Area	RRF	Ratio	Pred R	S/N 1	SNFlag	EMPC	Int.1	Int.2	pg
1	FUNCTION4 PFK	42.07	7.505e3					1.9	NO		bb		

PFK5

	Compound	RT	Ion1Area	Ion2Area	RRF	Ratio	Pred R	S/N 1	SNFlag	EMPC	Int.1	Int.2	pg
1	FUNCTION5 PFK	43.80	5.683e3					1.8	NO		bb		
2	FUNCTION5 PFK	43.45	7.005e3					1.9	NO		bb		

ID: CS3R1, Name: 23020102, Date: 01-Feb-2023, Time: 10:37:16, Conditions: AUTOSPEC01, User: pk

ETHERS1

	Compound	RT	Ion1Area	Ion2Area	RRF	Ratio	Pred R	S/N 1	SNFlag	EMPC	Int.1	Int.2	pg
1	FUNCTION1 HXCD...	28.15	7.677e1					2.2	NO		bb		0.000
2	FUNCTION1 HXCD...	27.41	8.186e1					1.7	NO		bb		0.000
3	FUNCTION1 HXCD...	26.21	8.899e1					2.8	NO		bb		0.000
4	FUNCTION1 HXCD...	24.48	1.408e2					2.9	NO		bb		0.000

ETHERS2

	Compound	RT	Ion1Area	Ion2Area	RRF	Ratio	Pred R	S/N 1	SNFlag	EMPC	Int.1	Int.2	pg
1	FUNCTION1 HPCD...	25.28	8.635e1					2.2	NO		bb		0.000
2	FUNCTION1 HPCD...	24.58	7.600e1					1.7	NO		bb		0.000
3	FUNCTION1 HPCD...	22.57	1.471e2					3.3	YES		bb		0.000

ETHERS3

	Compound	RT	Ion1Area	Ion2Area	RRF	Ratio	Pred R	S/N 1	SNFlag	EMPC	Int.1	Int.2	pg
1	FUNCTION2 HPCD...	32.97	1.041e2					2.4	NO		bb		0.000
2	FUNCTION2 HPCD...	31.62	1.168e2					2.5	NO		bb		0.000
3	FUNCTION2 HPCD...	31.26	1.928e2					4.9	YES		bb		0.000

ETHERS4

	Compound	RT	Ion1Area	Ion2Area	RRF	Ratio	Pred R	S/N 1	SNFlag	EMPC	Int.1	Int.2	pg
1	FUNCTION3 OCDPE	36.10	7.435e1					2.4	NO		bb		0.000
2	FUNCTION3 OCDPE	35.85	7.444e1					2.1	NO		bb		0.000
3	FUNCTION3 OCDPE	35.30	9.337e1					2.3	NO		bb		0.000

ETHERS5

	Compound	RT	Ion1Area	Ion2Area	RRF	Ratio	Pred R	S/N 1	SNFlag	EMPC	Int.1	Int.2	pg
1	FUNCTION4 NCDPE	42.04	7.794e1					1.9	NO		bb		0.000
2	FUNCTION4 NCDPE	41.07	7.754e1					1.8	NO		bb		0.000
3	FUNCTION4 NCDPE	39.75	8.441e1					2.5	NO		bb		0.000

ETHERS6

	Compound	RT	Ion1Area	Ion2Area	RRF	Ratio	Pred R	S/N 1	SNFlag	EMPC	Int.1	Int.2	pg
1													

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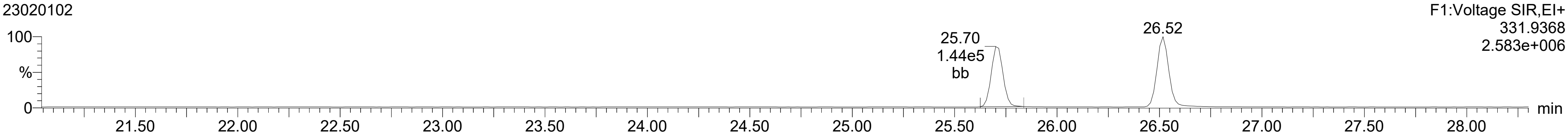
Calibration: T:\Autospec\Curves\230201ICIH.cdb 03 Feb 2023 10:33:40

ID: CS3R1, Name: 23020102, Date: 01-Feb-2023, Time: 10:37:16, Conditions: AUTOSPEC01, User: pk

13C-1234-TCDD



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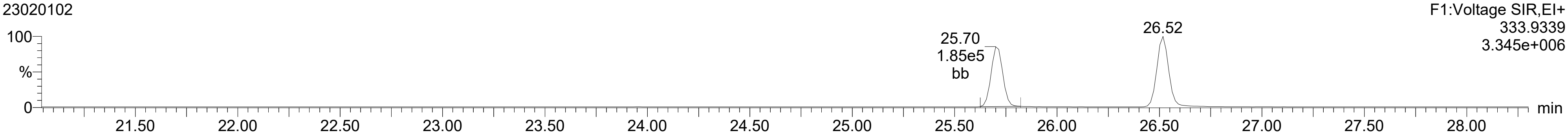
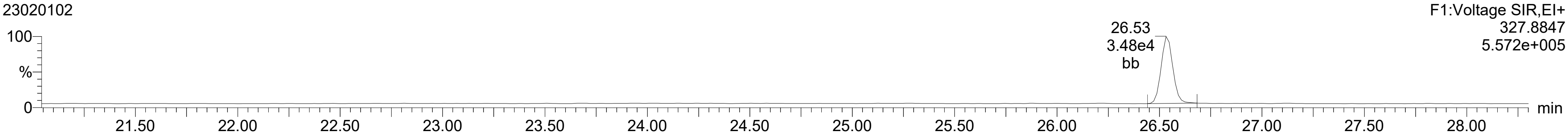


37CL-2378-TCDD



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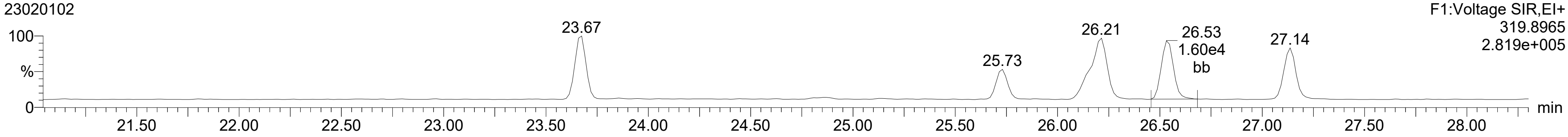

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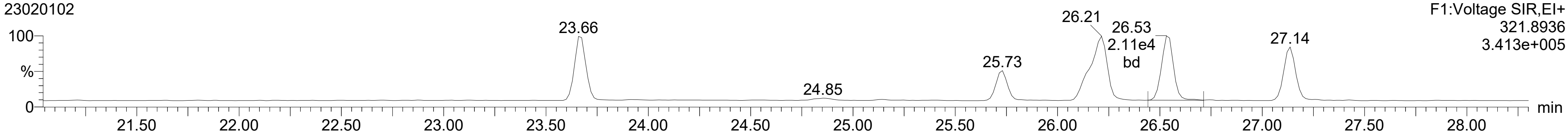

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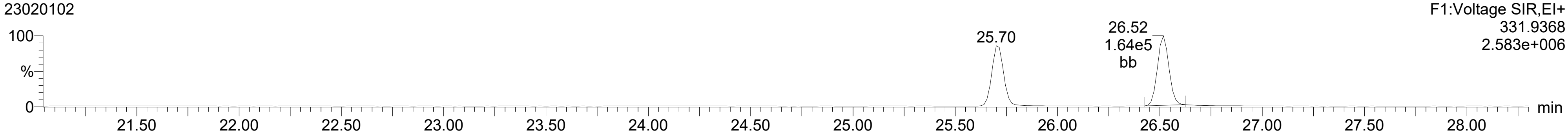

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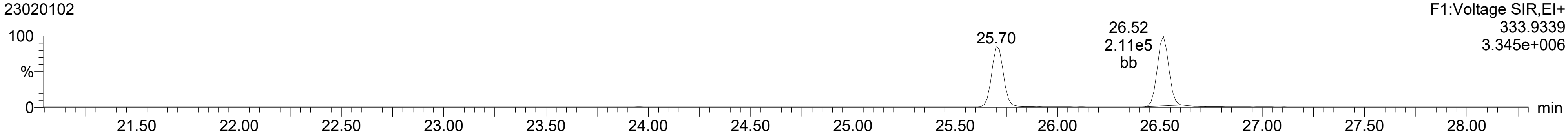

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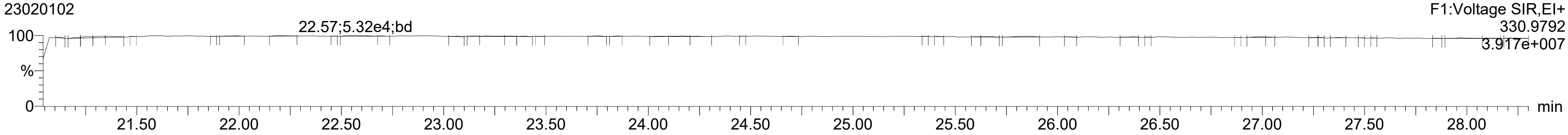

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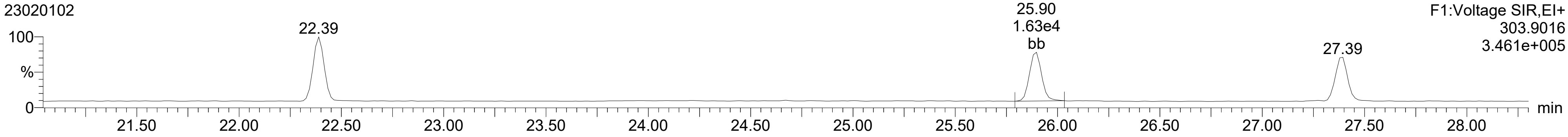

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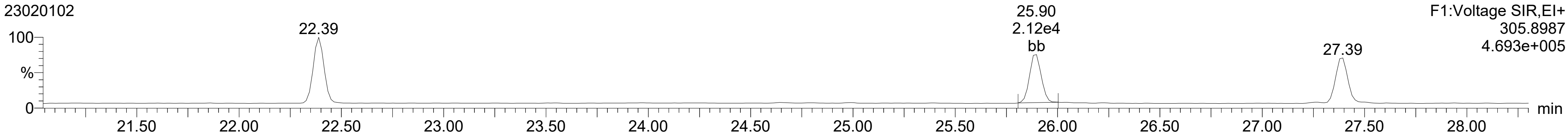

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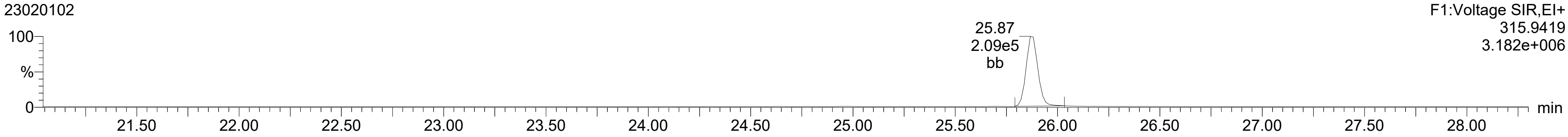

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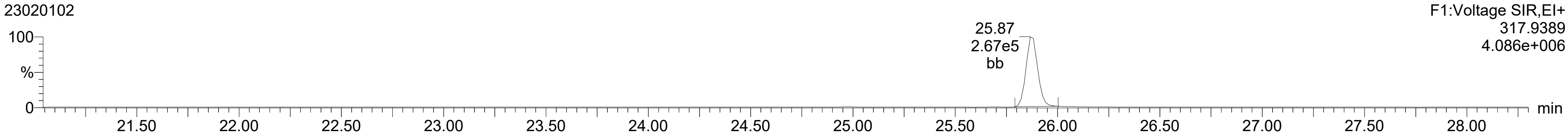

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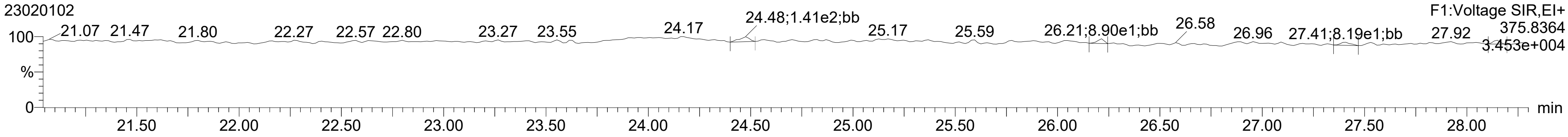

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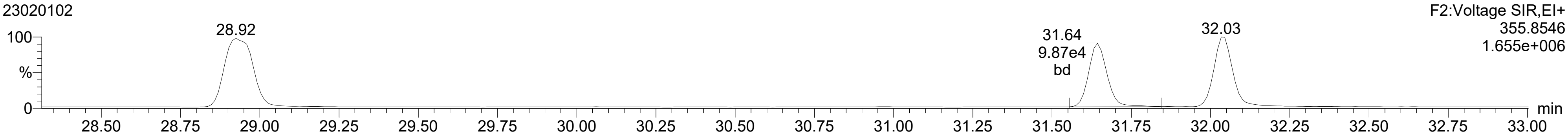
12378-PeCDD



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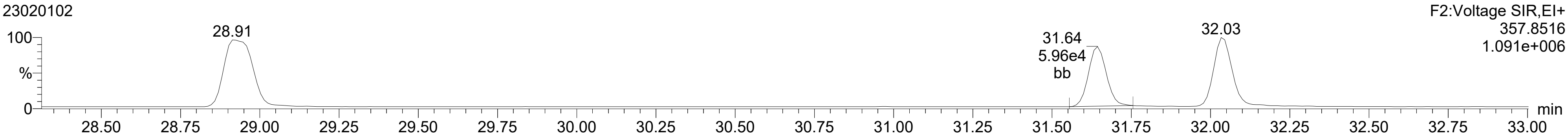

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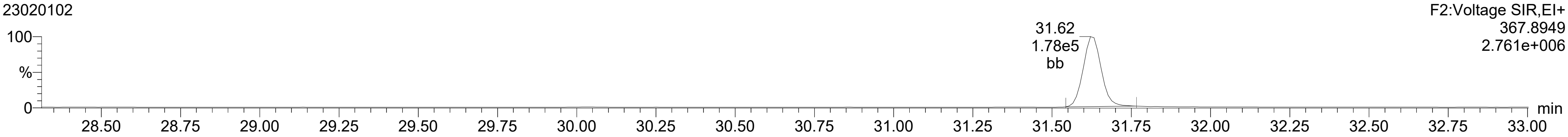

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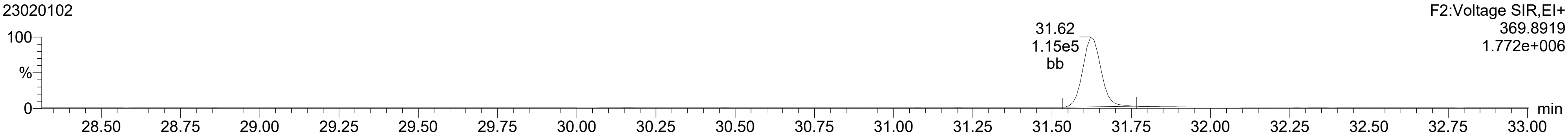

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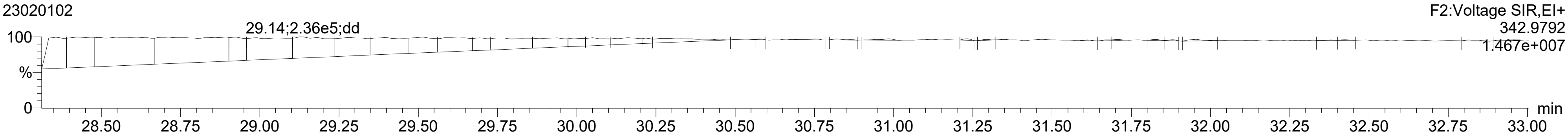

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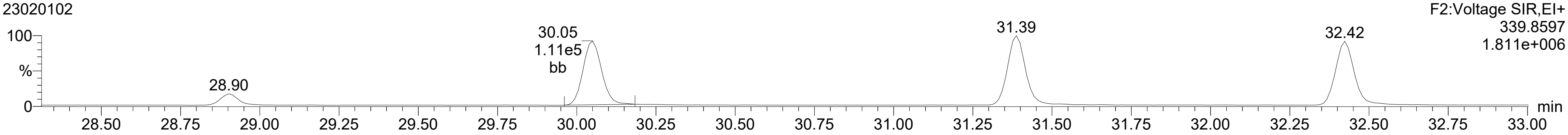

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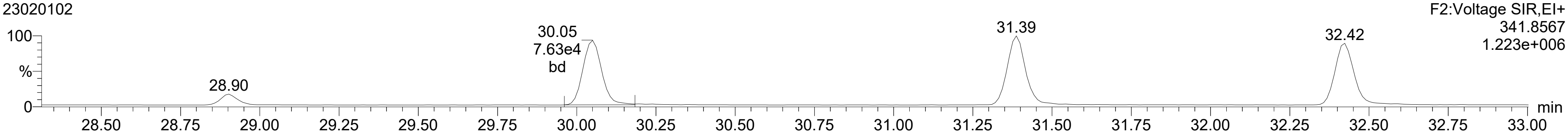

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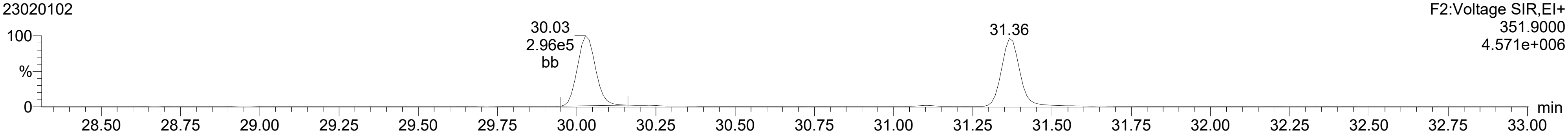

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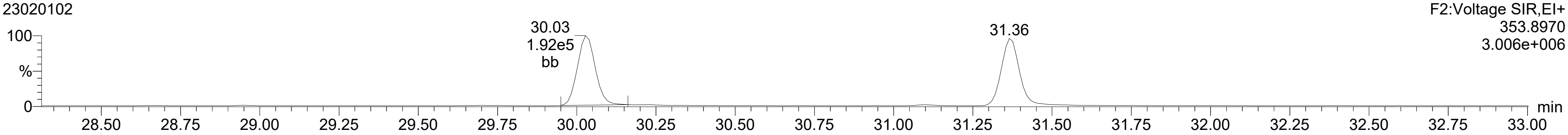

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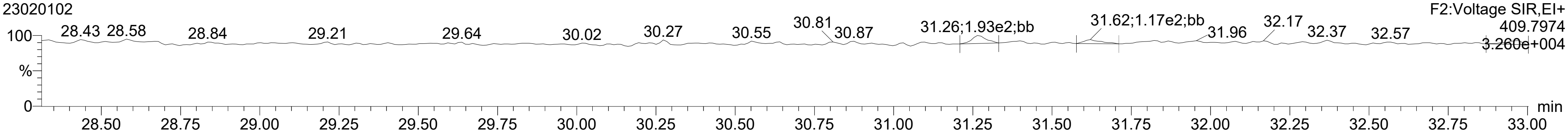

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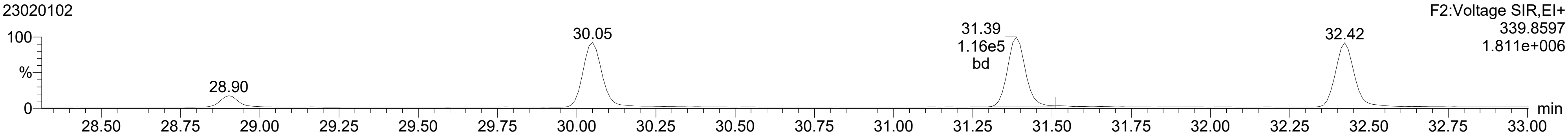

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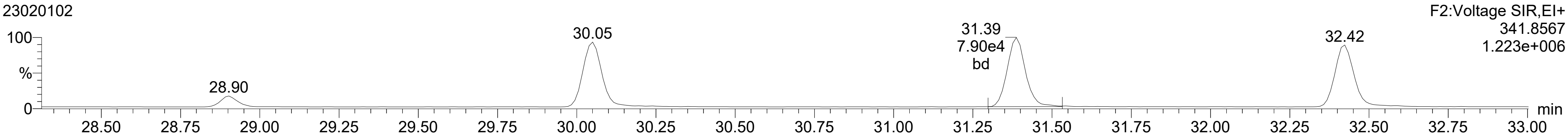

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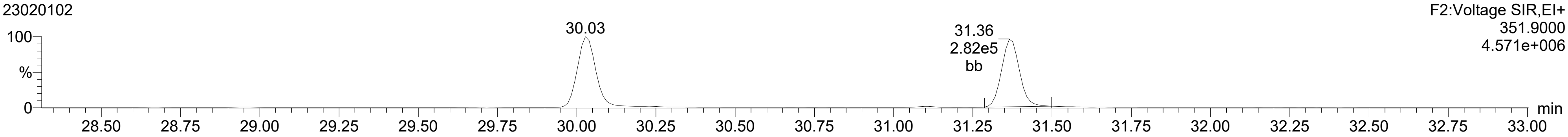

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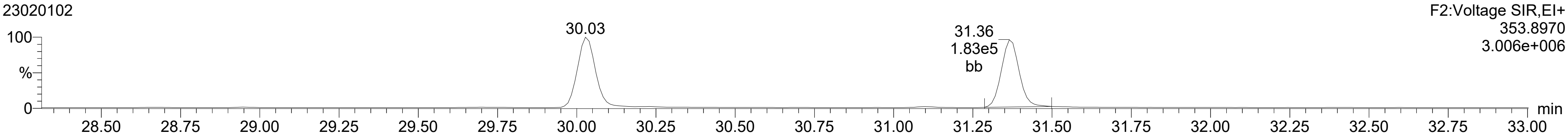

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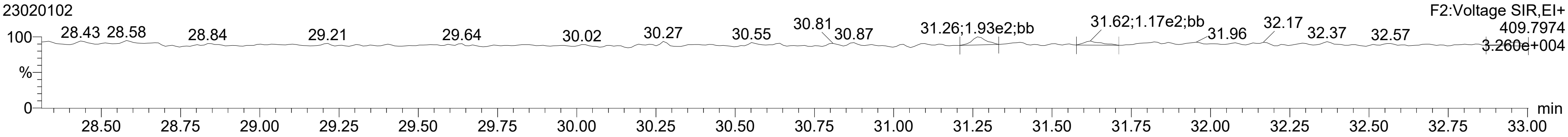

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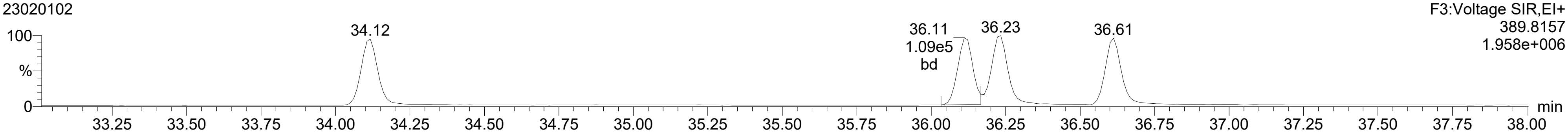

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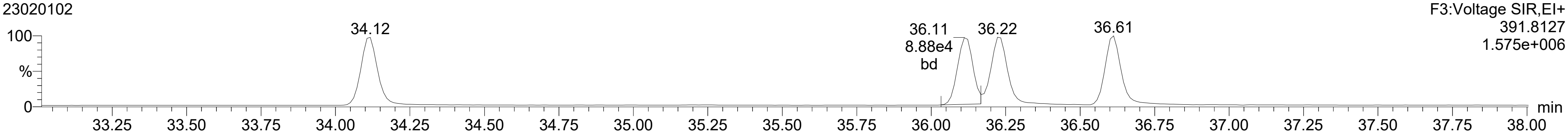

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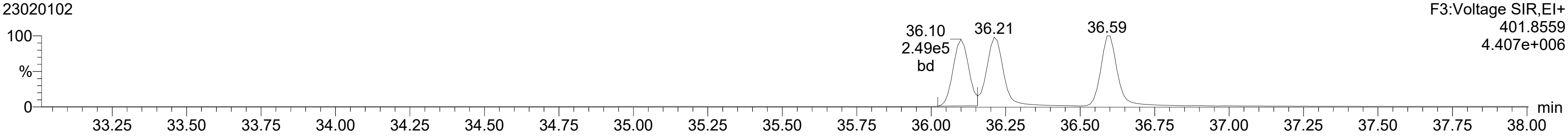

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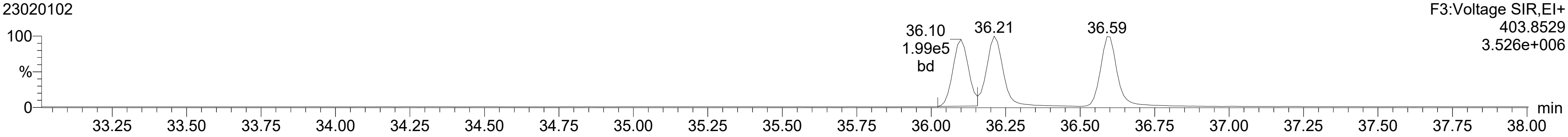

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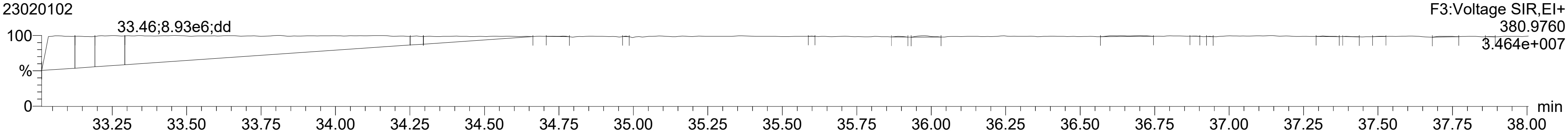

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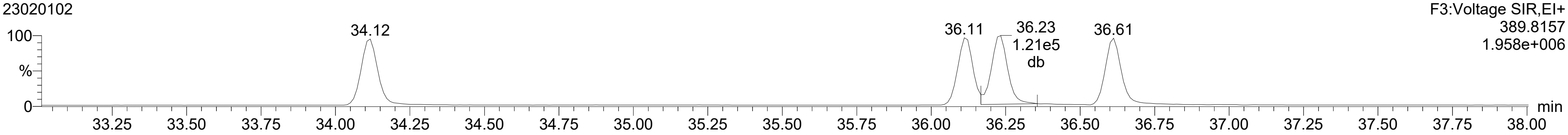

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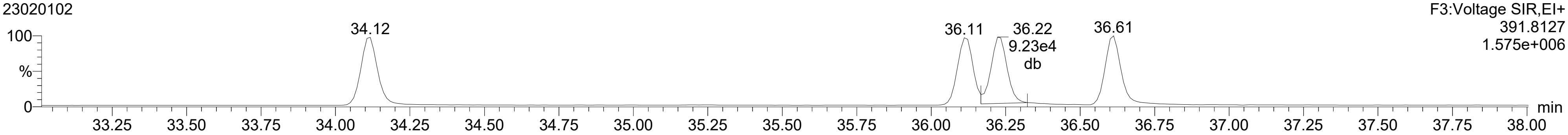

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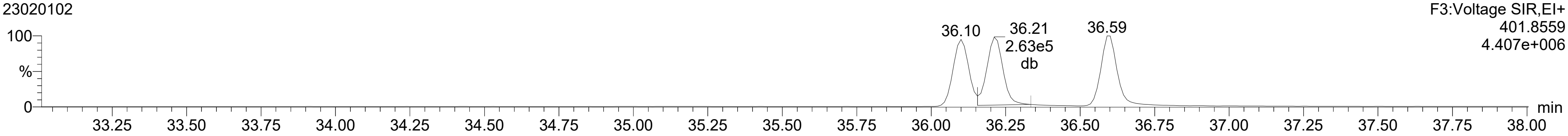

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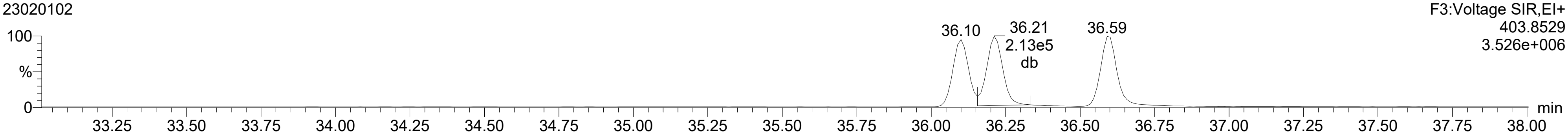

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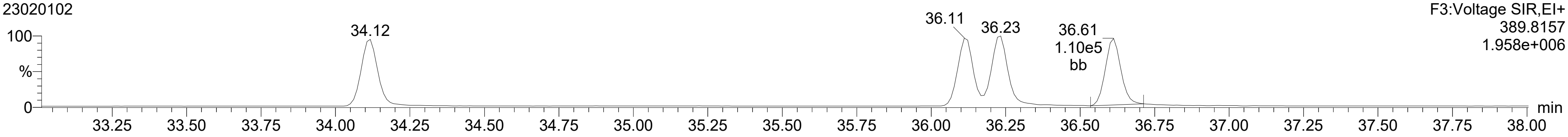

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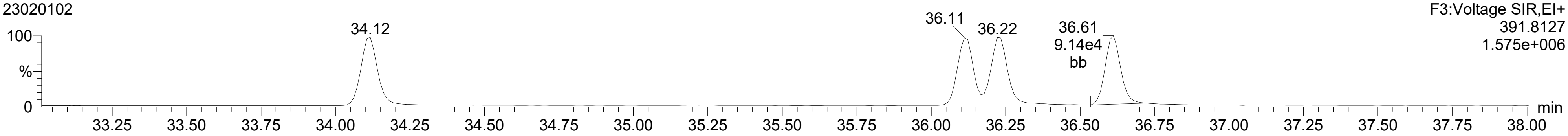

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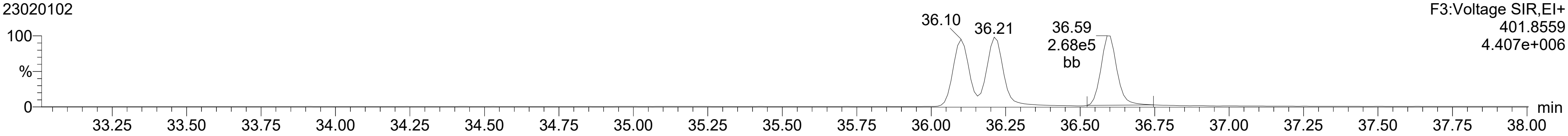

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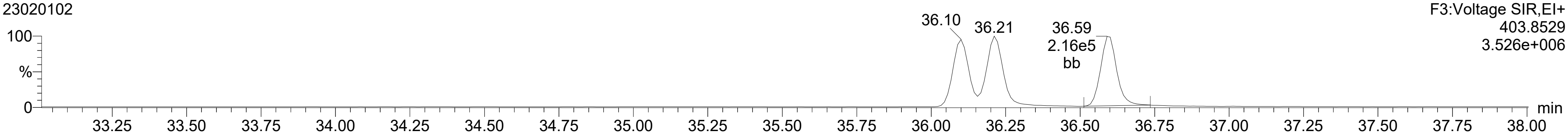

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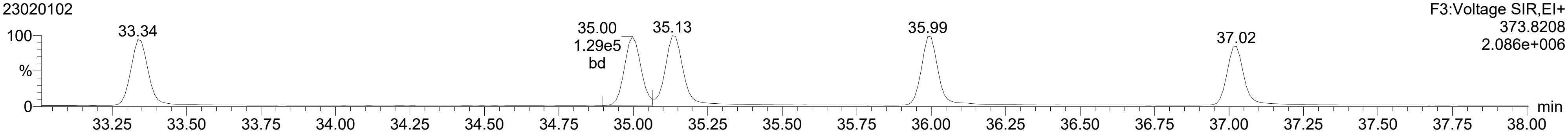

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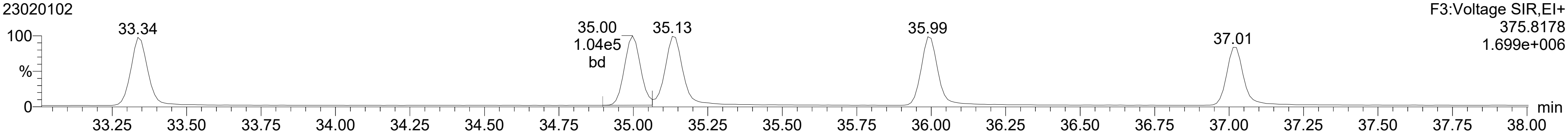

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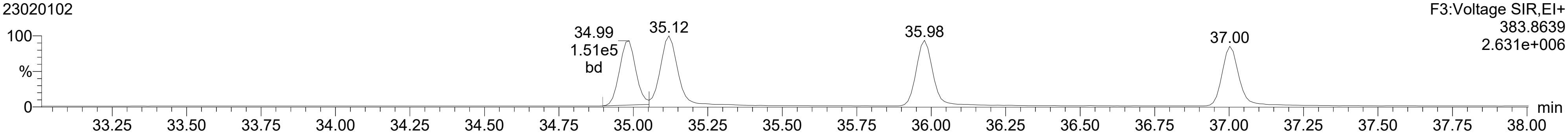

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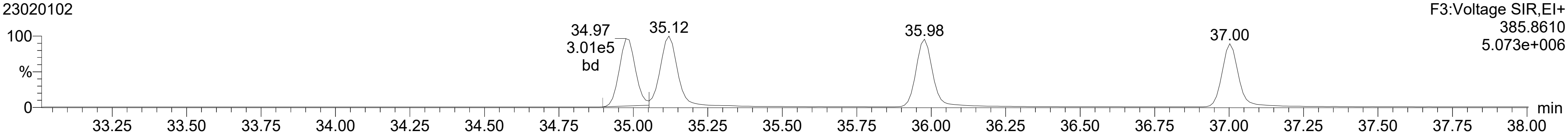

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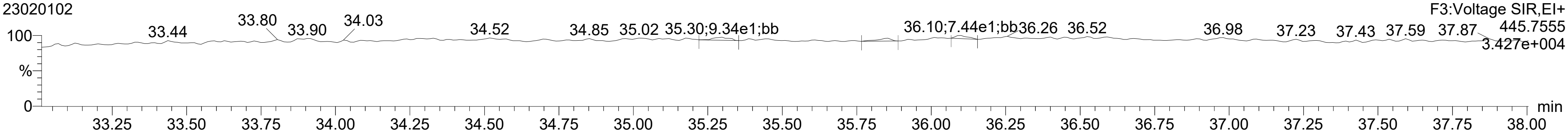

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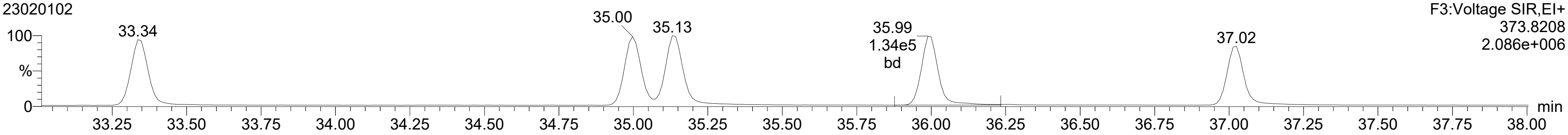

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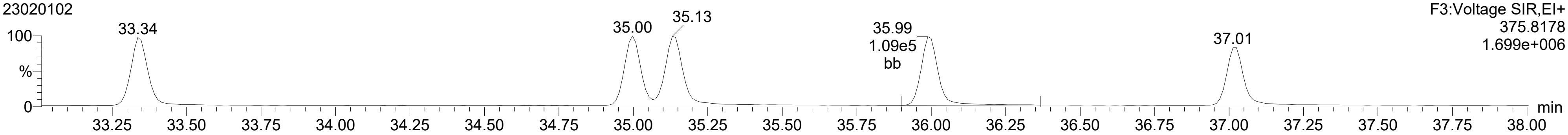

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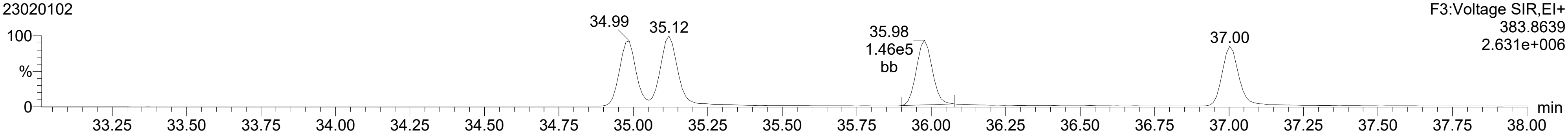

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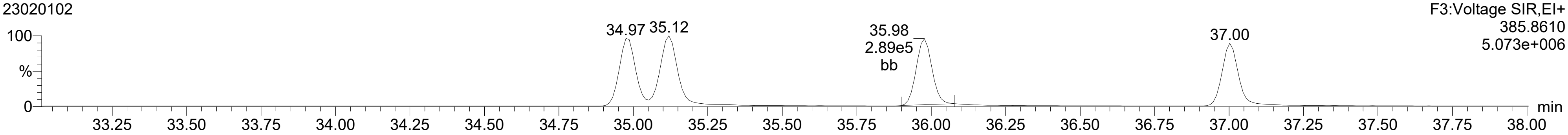

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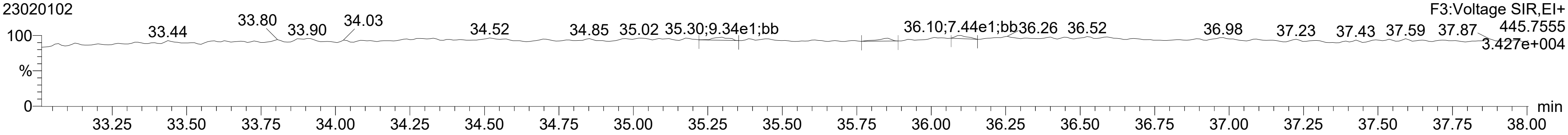

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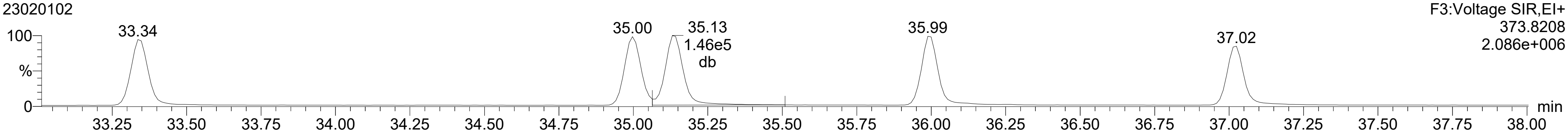

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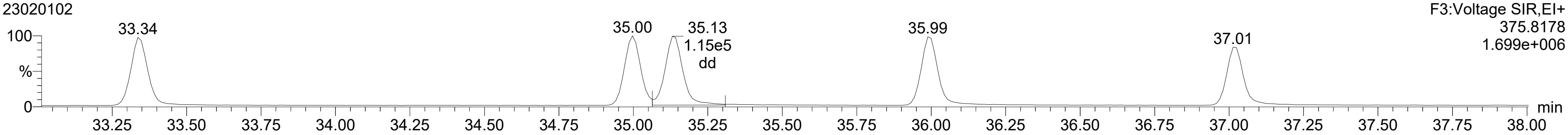

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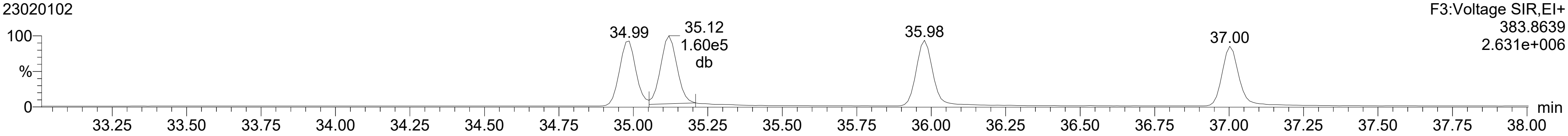

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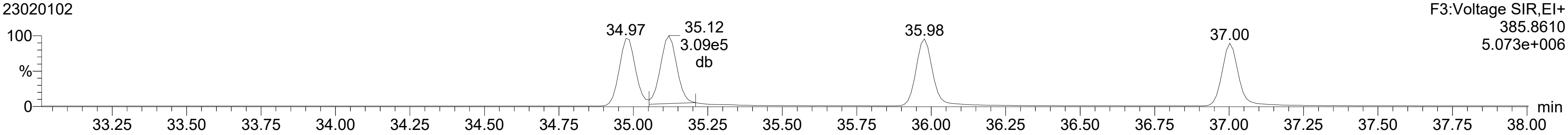

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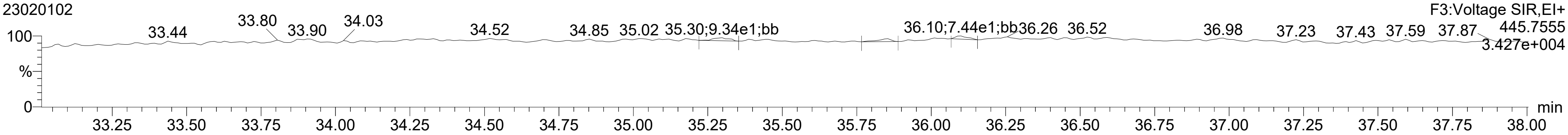

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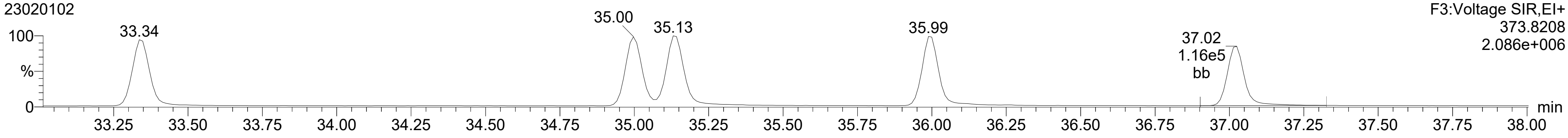

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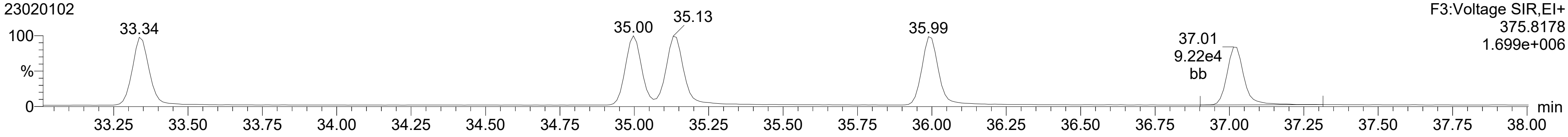

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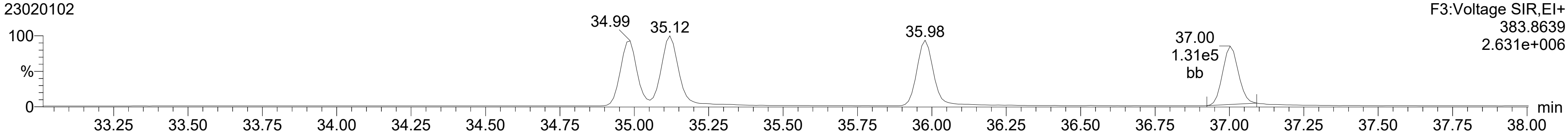

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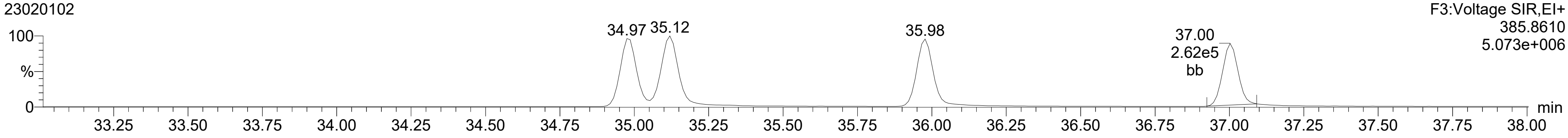
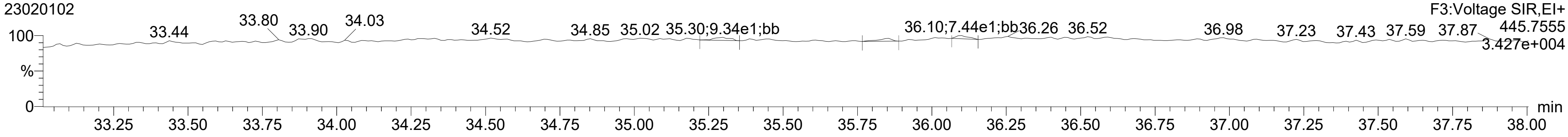


FUNCTION3 OCDPE



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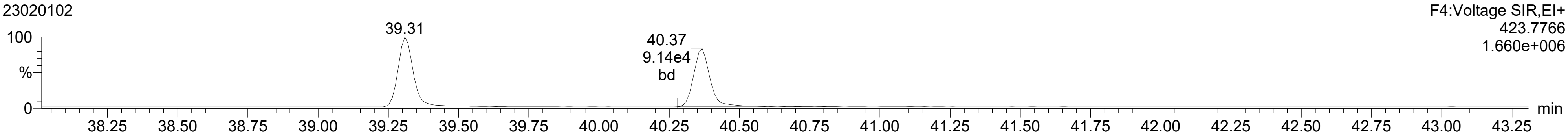

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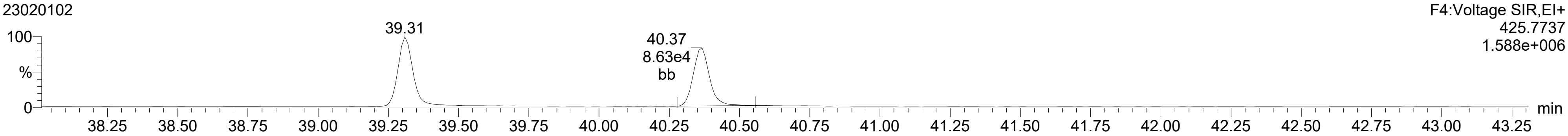

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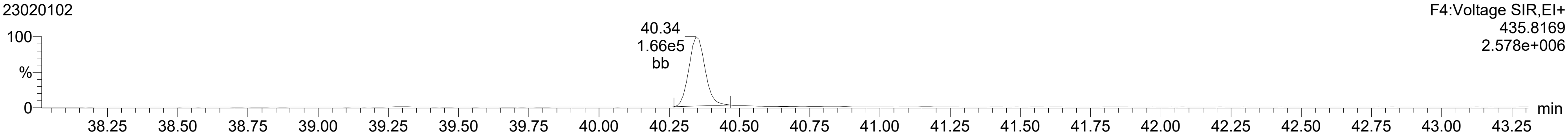

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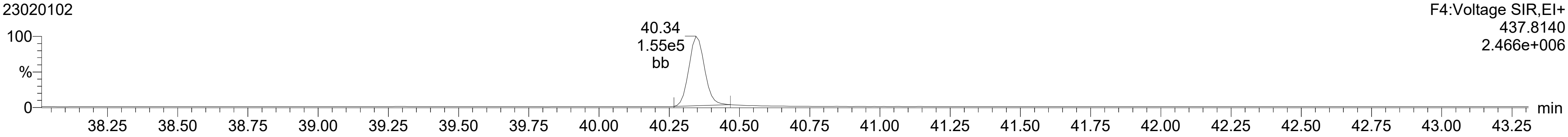

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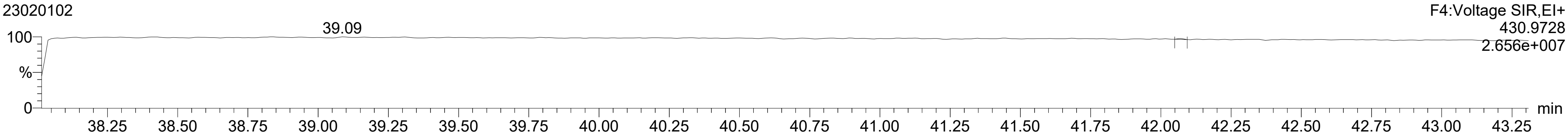

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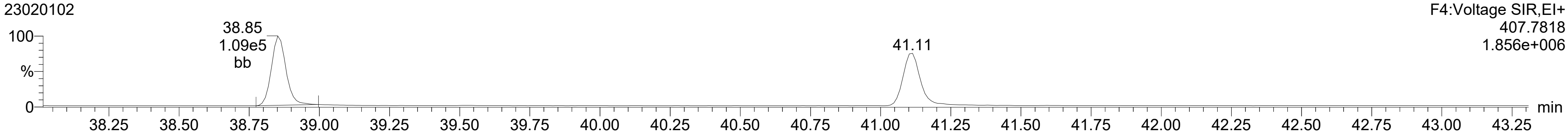

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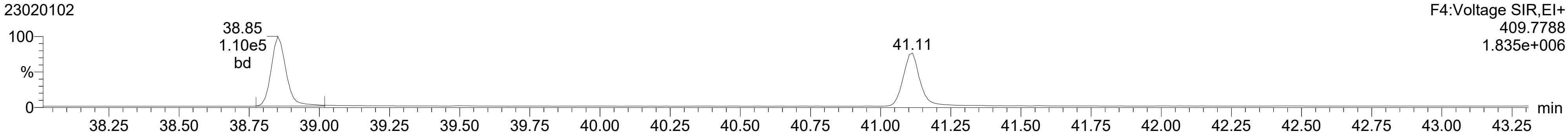

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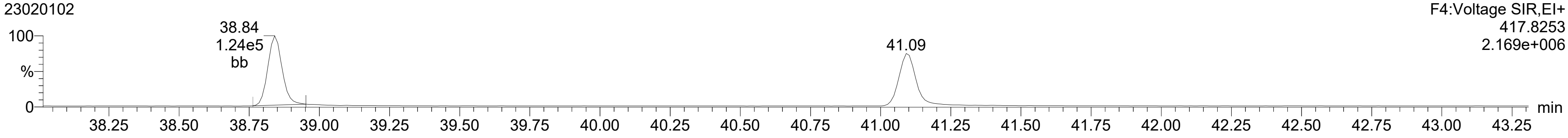

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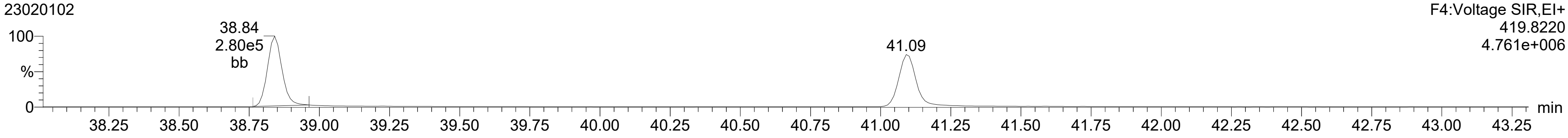

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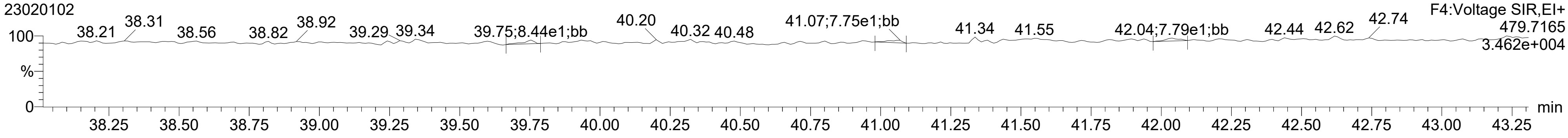

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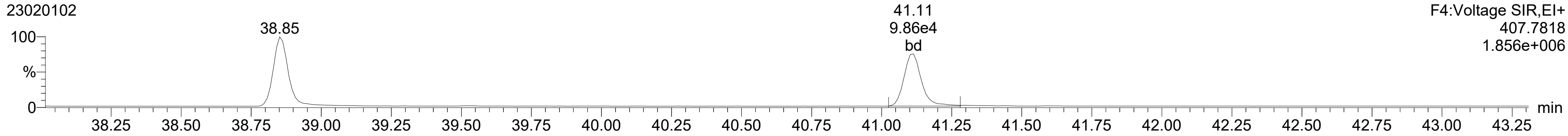

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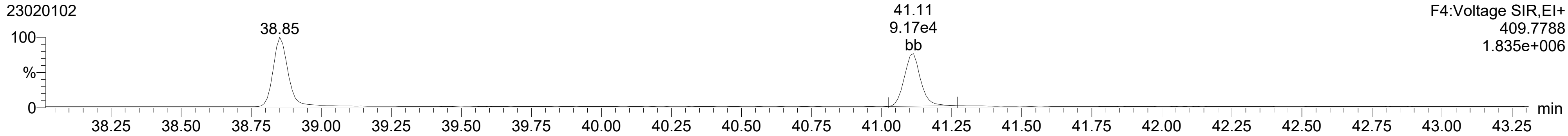

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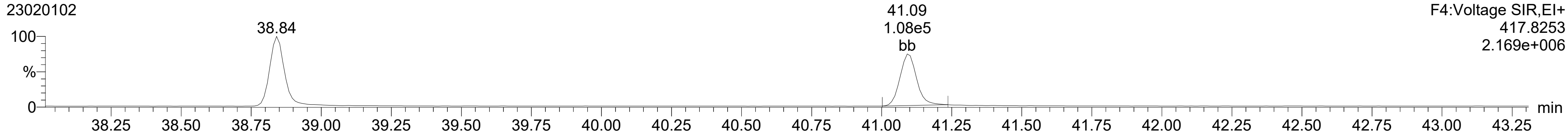

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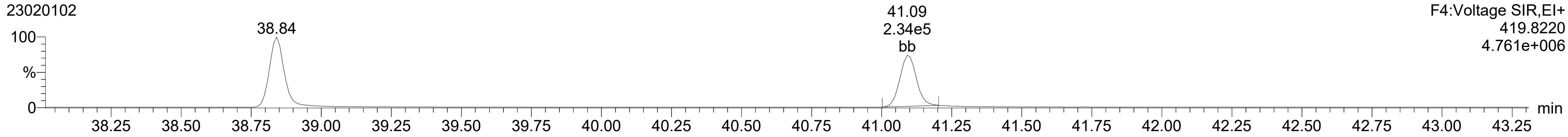

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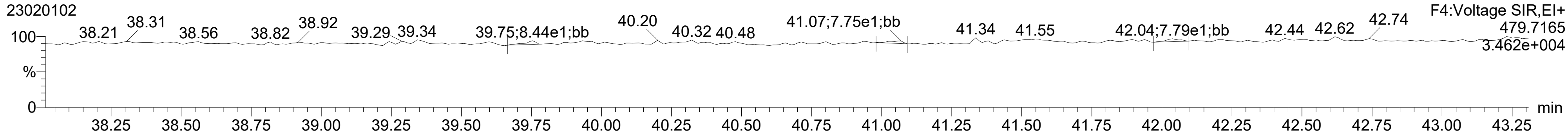

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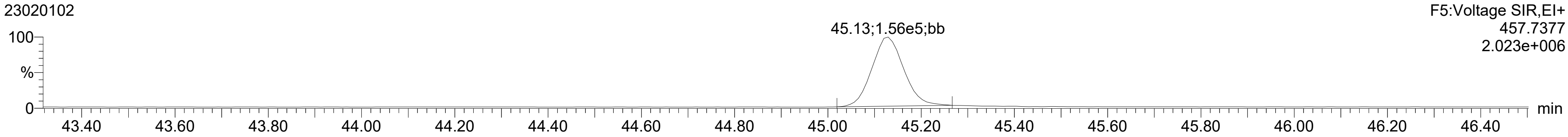

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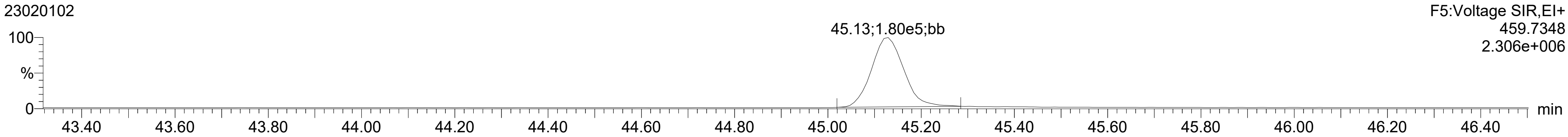

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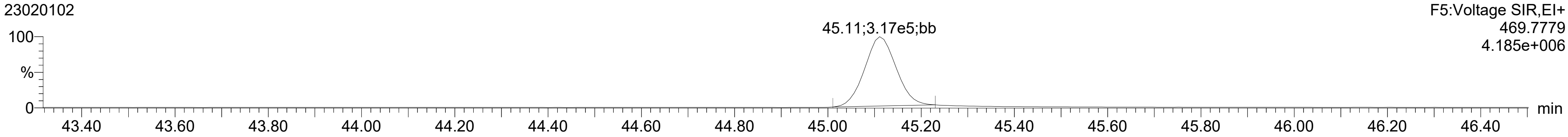

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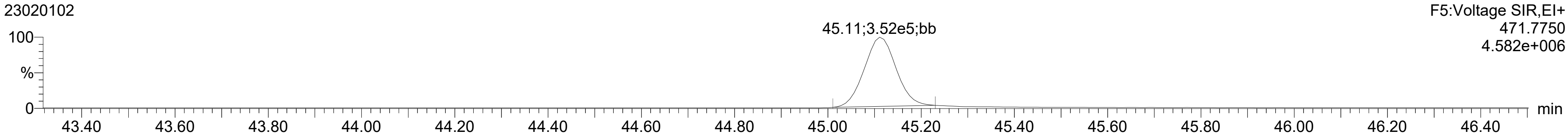

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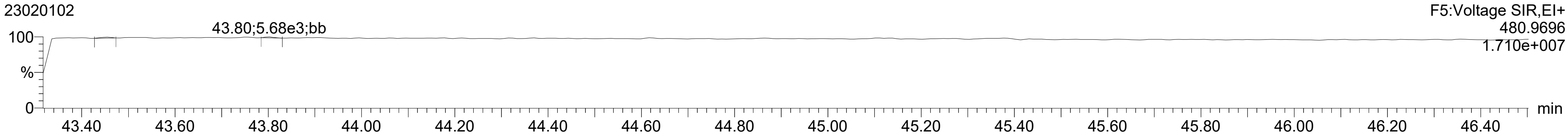

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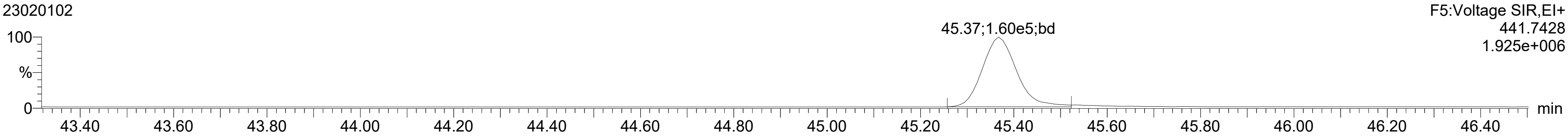

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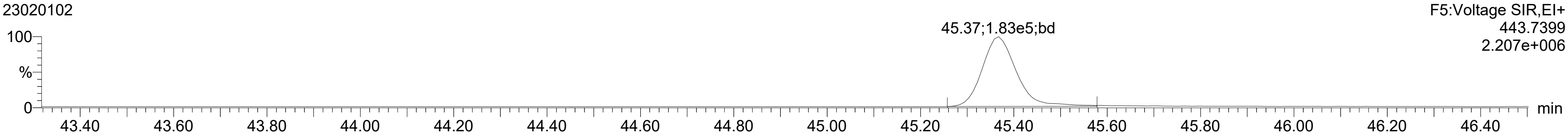

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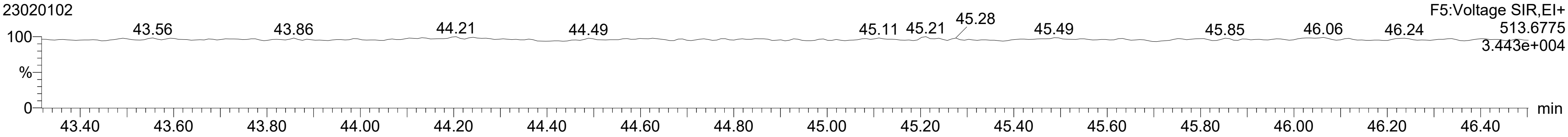

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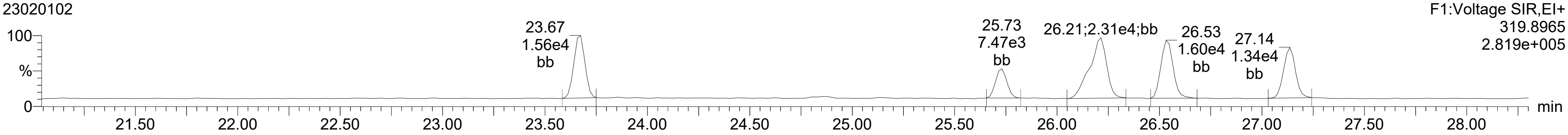

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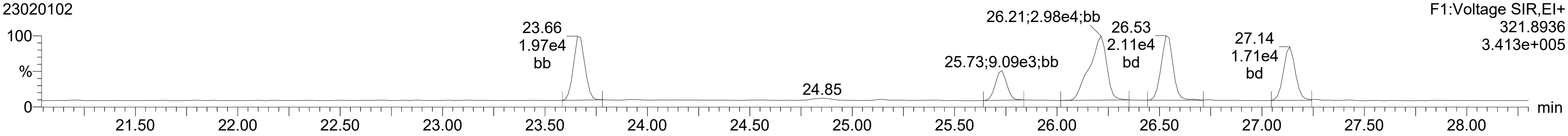

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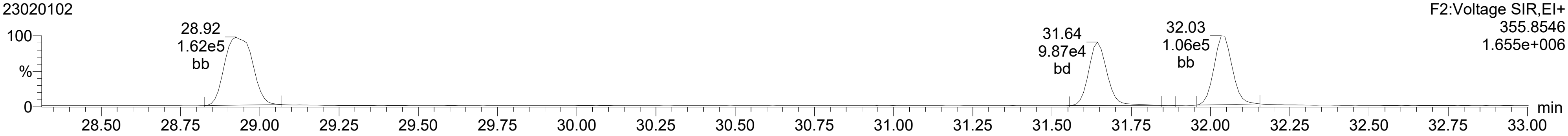

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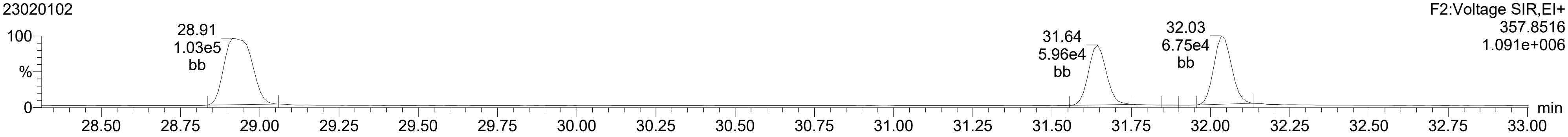

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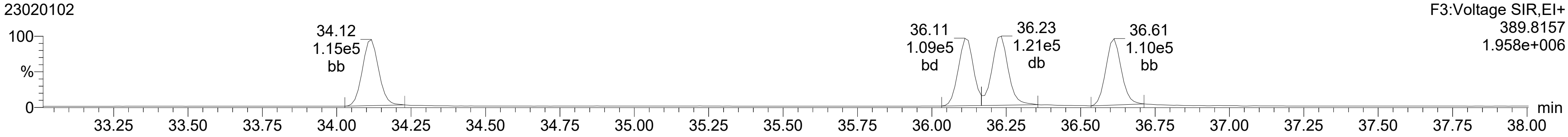

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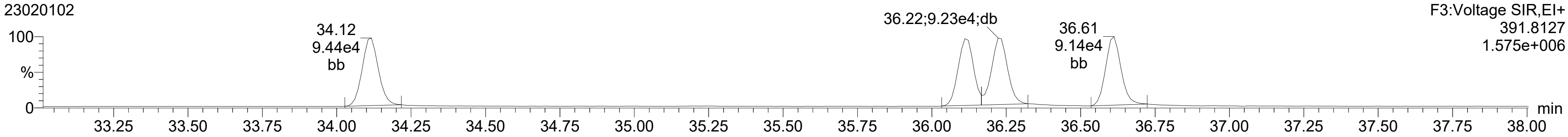

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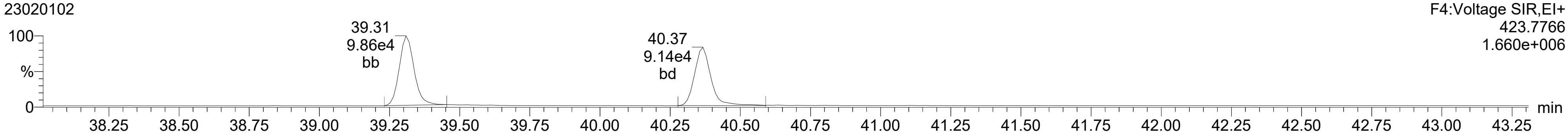

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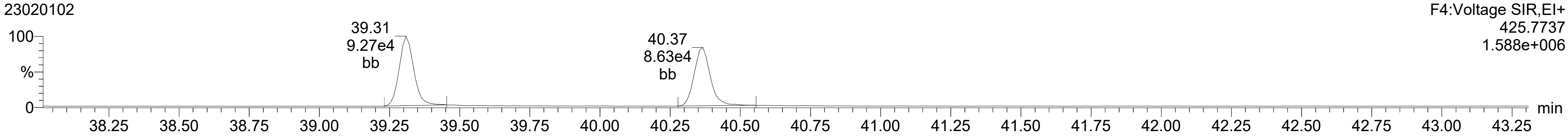

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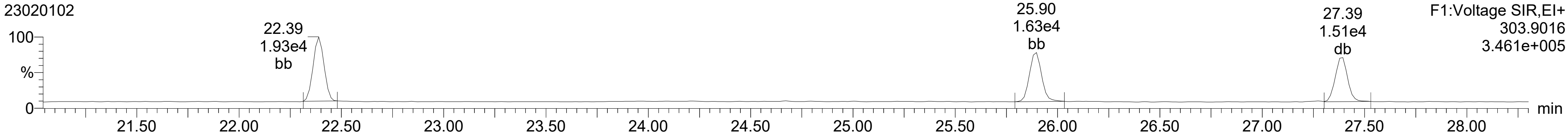
Total-tetrafurans



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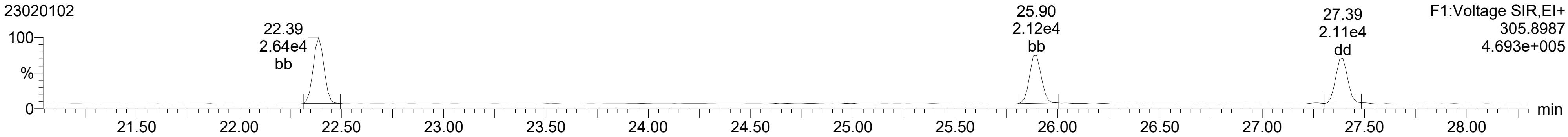

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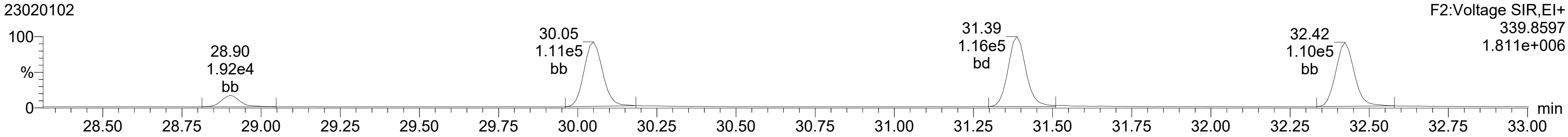

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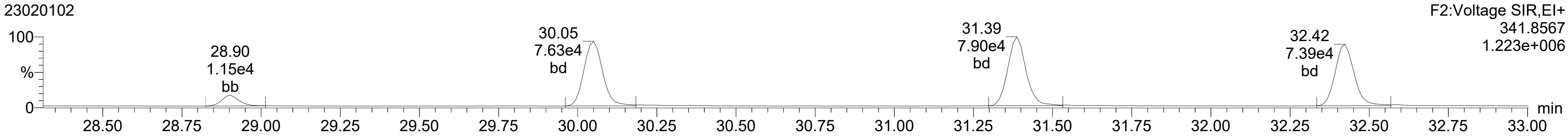

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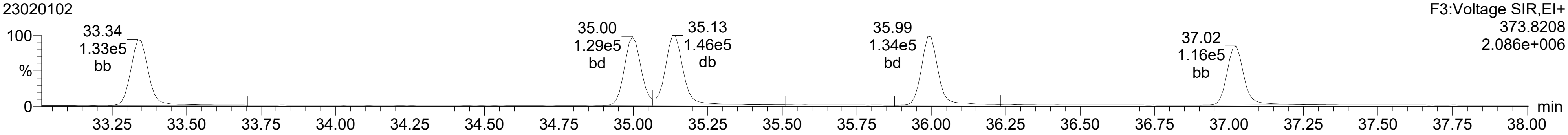

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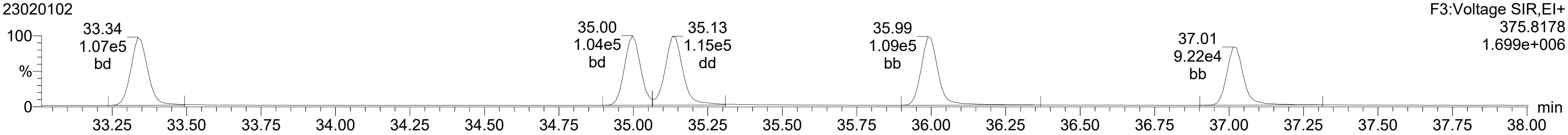

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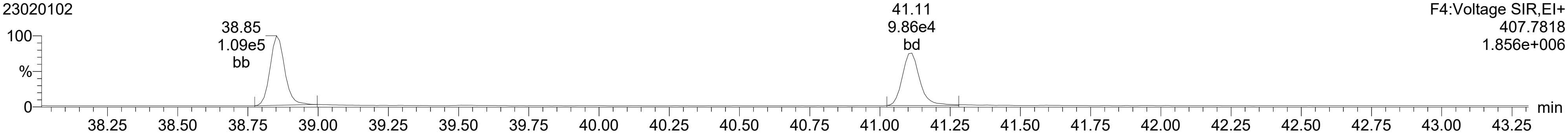

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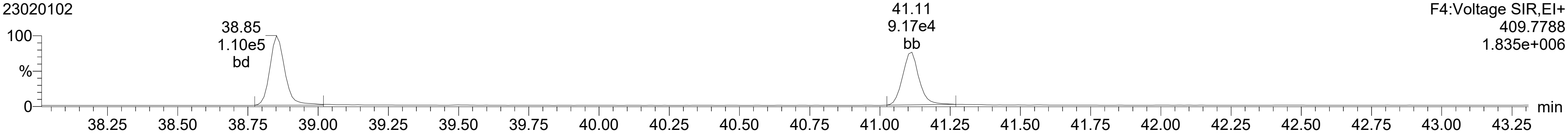

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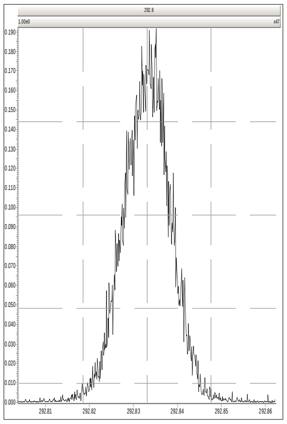

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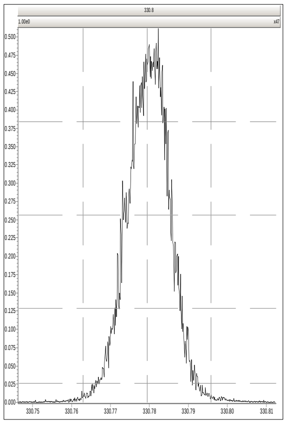

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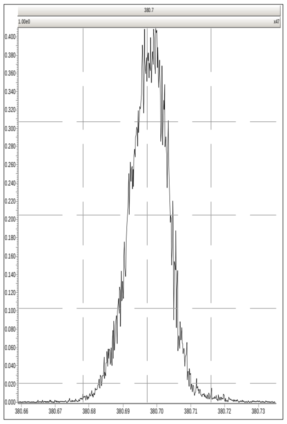

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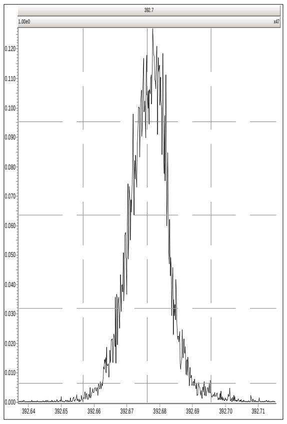

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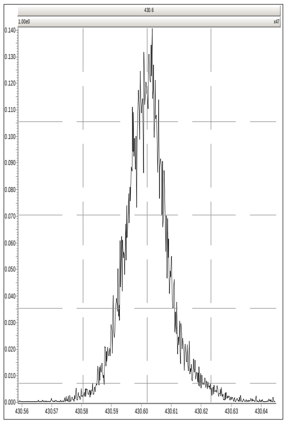

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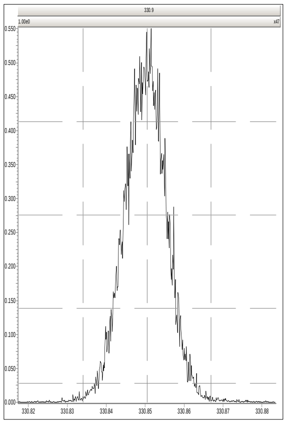

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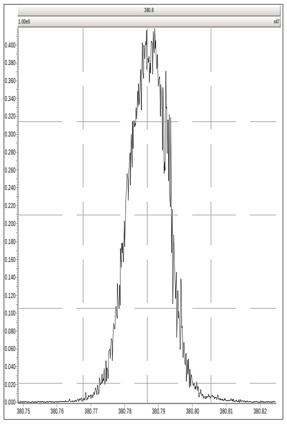

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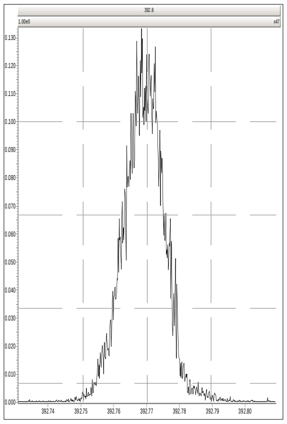

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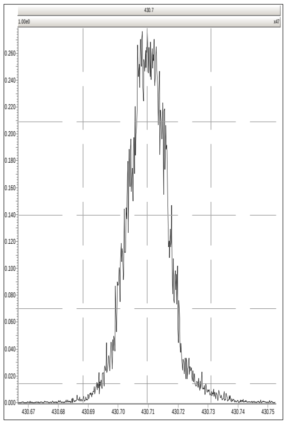

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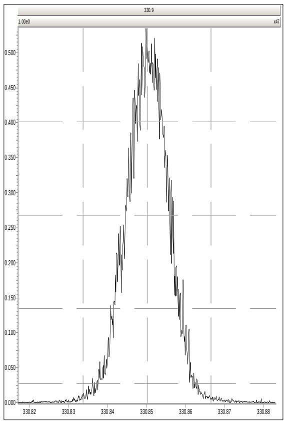

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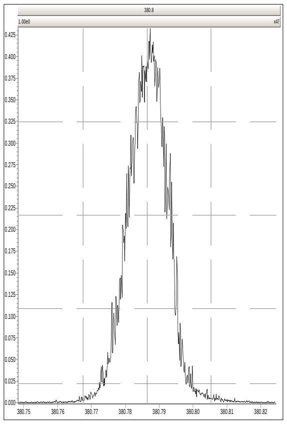

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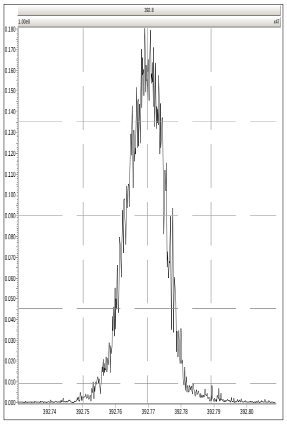

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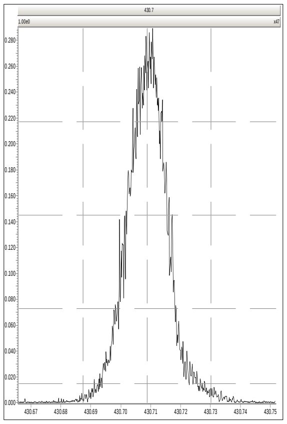

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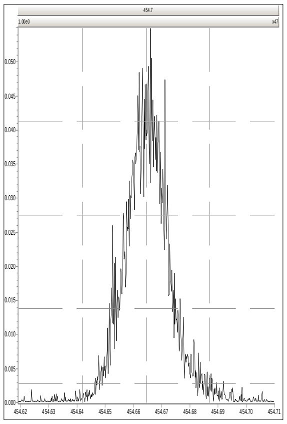

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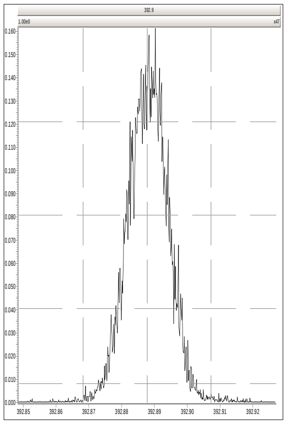

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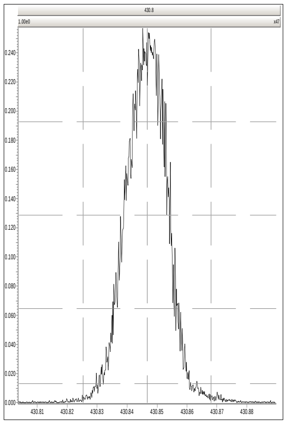

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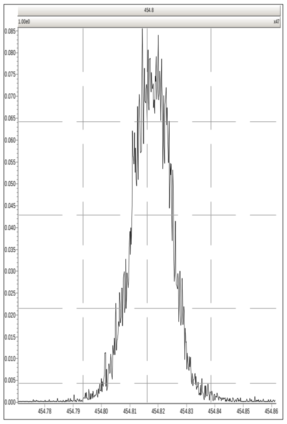

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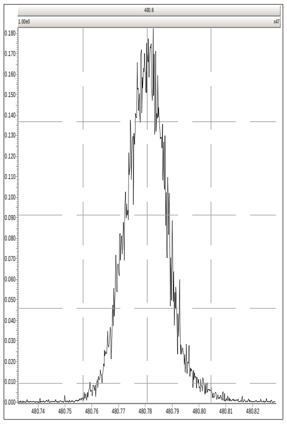

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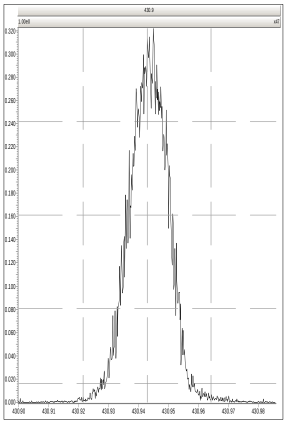

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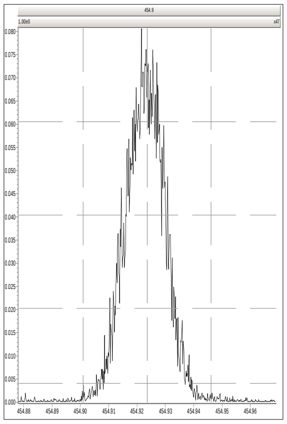

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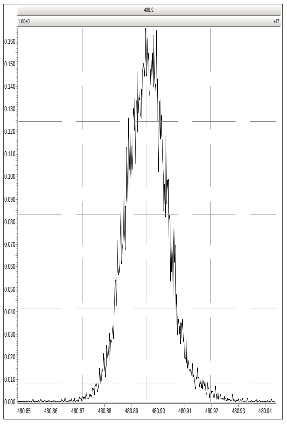

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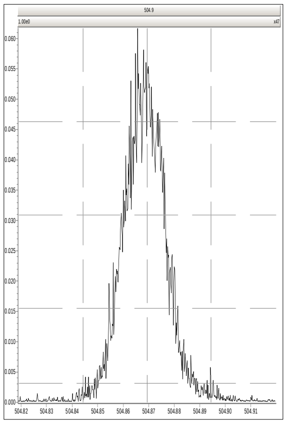

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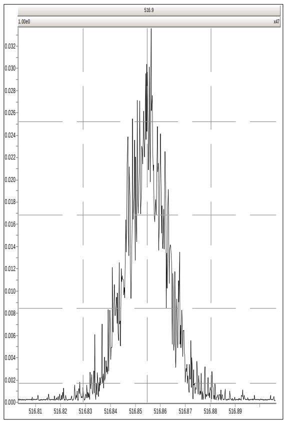

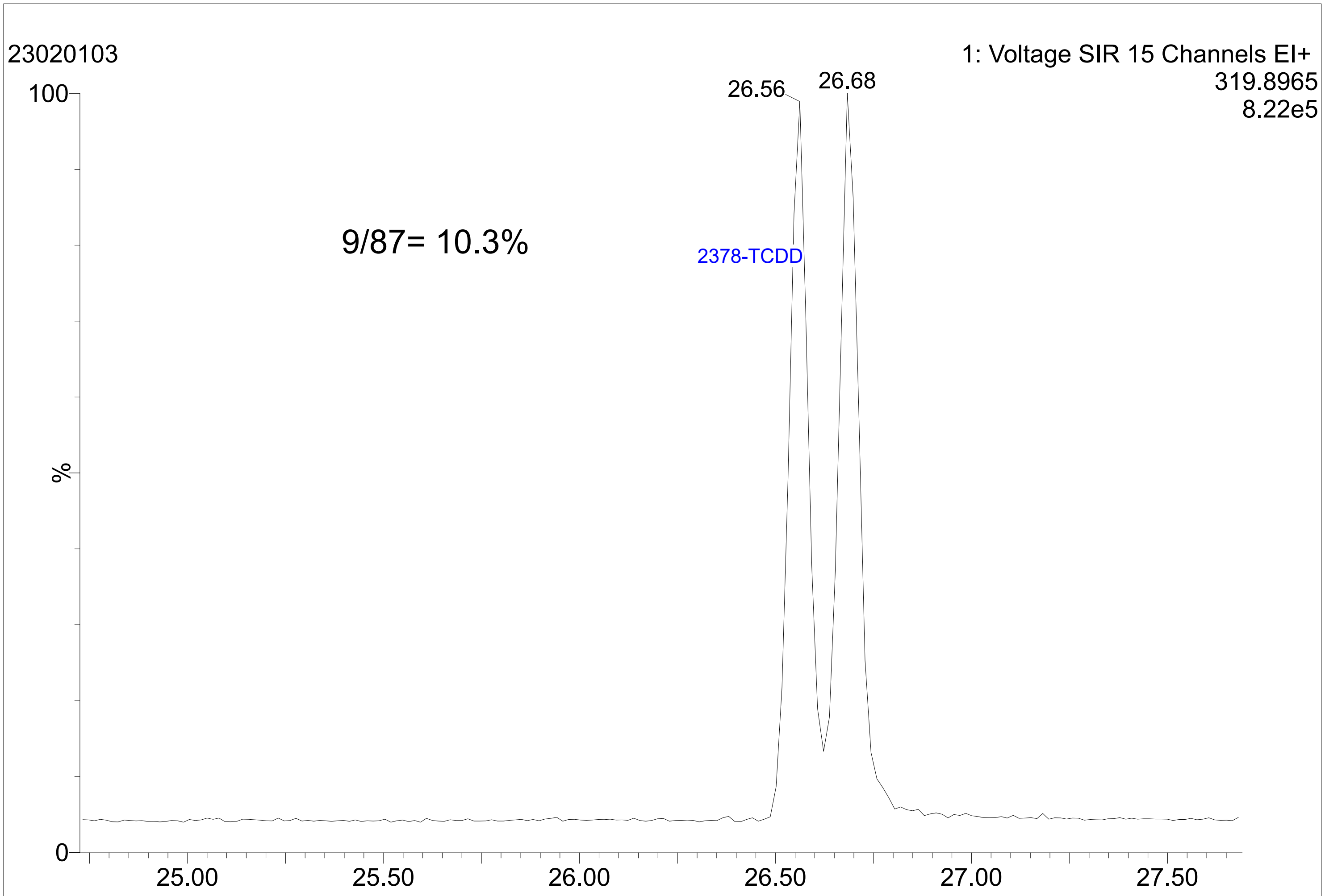

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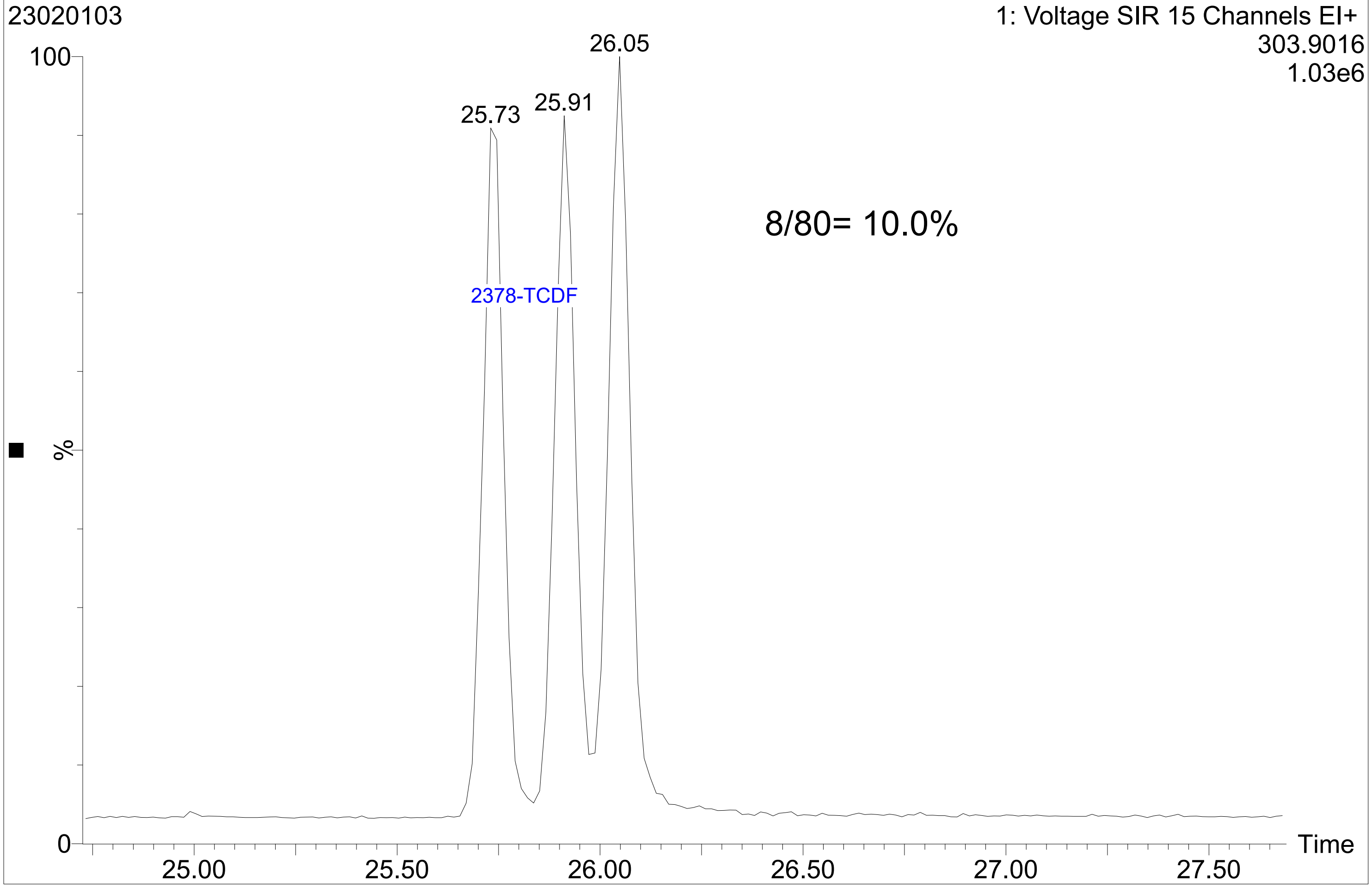

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Calibration: 03 Feb 2023 10:33:40

ID: CSLCR, Name: 23020104, Date: 01-Feb-2023, Time: 14:39:51, Conditions: AUTOSPEC01, User: pk

Compound	RT	RRT	Ion1Area	Ion2Area	RRF	Ratio	Pred R	Noise 1	Noise 2	Height 1	Height 2	S/N 1	S/N 2	EMPC	Int.1	Int.2	pg
2378-TCDF					0.876		0.770	1080	1324								
12378-PeCDF	30.038	1.000	4.271e3	3.157e3	0.845	1.353	1.550	952	1114	6.59e4	5.26e4	69.3	47.2	NO	bb	bd	0.524
23478-PeCDF	31.374	1.000	4.511e3	2.751e3	0.911	1.640	1.550	952	1114	6.73e4	4.18e4	70.7	37.5	NO	bb	bb	0.494
123478-HxCDF	34.995	1.001	4.104e3	3.031e3	1.182	1.354	1.240	1010	1011	5.83e4	4.33e4	57.7	42.8	NO	bd	bd	0.507
234678-HxCDF	35.987	1.000	3.766e3	3.106e3	1.229	1.212	1.240	1010	1011	5.67e4	5.22e4	56.2	51.6	NO	bb	bb	0.497
123678-HxCDF	35.129	1.000	4.222e3	3.339e3	1.248	1.264	1.240	1010	1011	6.34e4	4.53e4	62.8	44.8	NO	db	db	0.502
123789-HxCDF	37.012	1.000	3.644e3	2.921e3	1.187	1.248	1.240	1010	1011	5.58e4	4.74e4	55.3	46.9	NO	bb	bb	0.543
1234678-HpCDF	38.850	1.000	3.896e3	3.656e3	1.204	1.066	1.050	999	874	7.14e4	6.60e4	71.5	75.5	NO	bb	bb	0.550
1234789-HpCDF	41.101	1.000	3.001e3	3.100e3	1.165	0.968	1.050	999	874	4.75e4	4.72e4	47.6	54.0	NO	bb	bb	0.533
OCDF	45.376	1.006	5.786e3	6.873e3	1.186	0.842	0.890	933	1403	7.23e4	8.24e4	77.5	58.8	NO	bb	bd	1.268
2378-TCDD					1.236		0.770	1059	950								
12378-PeCDD	31.642	1.001	3.215e3	2.188e3	1.087	1.469	1.550	1079	785	5.52e4	3.24e4	51.2	41.3	NO	bd	bb	0.496
123478-HxCDD	36.109	1.000	2.827e3	2.333e3	0.987	1.212	1.240	1001	800	4.34e4	4.15e4	43.4	51.9	NO	dd	bd	0.497
123678-HxCDD	36.221	1.000	3.387e3	2.724e3	1.021	1.243	1.240	1001	800	5.33e4	4.23e4	53.3	52.9	NO	db	db	0.556
123789-HxCDD	36.611	1.011	2.961e3	2.378e3	0.985	1.245	1.240	1001	800	5.48e4	3.89e4	54.8	48.6	NO	bb	bb	0.509
1234678-HpCDD	40.354	1.000	3.173e3	3.384e3	1.253	0.938	1.050	1384	648	4.91e4	5.67e4	35.5	87.6	NO	bb	bb	0.614
OCDD					1.103		0.890	865	2890								
13C-2378-TCDF	25.867	1.007	8.880e5	1.123e6	1.768	0.791	0.770	2432	2065	1.34e7	1.70e7	5499.3	8229.7	NO	bb	bb	101.483
13C-12378-PeCDF	30.026	1.168	1.020e6	6.593e5	1.527	1.547	1.550	4351	2458	1.57e7	1.01e7	3618.6	4108.9	NO	bb	bb	98.114
13C-23478-PeCDF	31.363	1.220	9.713e5	6.405e5	1.466	1.516	1.550	4351	2458	1.47e7	9.63e6	3385.5	3917.5	NO	bb	bb	98.077
13C-123478-HxCDF	34.973	0.956	3.987e5	7.926e5	1.054	0.503	0.510	2002	3102	6.44e6	1.29e7	3217.2	4143.2	NO	bd	bd	100.084
13C-123678-HxCDF	35.118	0.960	4.078e5	7.990e5	1.080	0.510	0.510	2002	3102	6.70e6	1.31e7	3346.6	4215.9	NO	db	db	98.911
13C-234678-HxCDF	35.976	0.983	3.811e5	7.451e5	1.014	0.512	0.510	2002	3102	6.35e6	1.23e7	3171.4	3951.0	NO	bb	bb	98.285
13C-123789-HxCDF	37.001	1.011	3.510e5	6.676e5	0.928	0.526	0.510	2002	3102	5.85e6	1.13e7	2920.8	3645.7	NO	bb	bb	97.160
13C-1234678-HpCDF	38.839	1.061	3.505e5	7.899e5	1.036	0.444	0.440	2536	4120	5.96e6	1.33e7	2351.6	3236.3	NO	bb	bb	97.433
13C-1234789-HpCDF	41.090	1.123	3.059e5	6.773e5	0.905	0.452	0.440	2536	4120	4.61e6	1.03e7	1815.9	2503.7	NO	bb	bb	96.171
13C-1234-TCDD	25.700	0.000	4.959e5	6.249e5	1.000	0.794	0.770	2405	1251	7.82e6	9.77e6	3252.7	7808.7	NO	bb	bb	100.000
13C-2378-TCDD	26.517	1.032	5.458e5	6.834e5	1.103	0.799	0.770	2405	1251	8.30e6	1.04e7	3451.4	8324.3	NO	bb	bb	99.431
13C-12378-PeCDD	31.619	1.230	6.125e5	3.907e5	0.914	1.568	1.550	1178	1168	9.36e6	5.78e6	7947.4	4944.2	NO	bb	bd	97.913
13C-123478-HxCDD	36.098	0.987	5.901e5	4.628e5	0.933	1.275	1.240	2011	1749	9.65e6	7.66e6	4801.0	4381.0	NO	bd	bd	99.896
13C-123678-HxCDD	36.209	0.990	6.061e5	4.713e5	0.965	1.286	1.240	2011	1749	9.81e6	7.59e6	4881.2	4342.3	NO	db	db	98.864
13C-1234678-HpCDD	40.343	1.103	4.400e5	4.119e5	0.782	1.068	1.050	2377	2314	6.98e6	6.54e6	2937.2	2824.0	NO	bb	bb	96.428
13C-OCDD	45.102	1.233	8.036e5	8.792e5	0.788	0.914	0.890	2320	2081	1.01e7	1.12e7	4365.2	5363.3	NO	bb	bb	188.967
13C-123789-HxCDD	36.588	0.000	6.276e5	5.021e5	1.000	1.250	1.240	2011	1749	1.01e7	8.07e6	5029.1	4612.9	NO	bb	bb	100.000
37CL-2378-TCDD	26.532	1.032	1.634e3		1.233			1257		2.25e4		17.9			bb		0.118

ID: CSLCR, Name: 23020104, Date: 01-Feb-2023, Time: 14:39:51, Conditions: AUTOSPEC01, User: pk

Compound	RT	RRT	Ion1Area	Ion2Area	RRF	Ratio	Pred R	Noise 1	Noise 2	Height 1	Height 2	S/N 1	S/N 2	EMPC	Int.1	Int.2	pg
1368-TCDF					1.064		0.770	1080	1324								
1289-TCDF					0.858		0.770	1080	1324								
13468-PECDF					1.013		1.550	869	1005								
12389-PECDF					0.844		1.550	952	1114								
123468-HXCDF					1.197		1.240	1010	1011								
1368-TCDD					1.084		0.770	1059	950								
1289-TCDD					0.975		0.770	1059	950								
12479-PECDD					1.837		1.550	1079	785								
12389-PECDD					1.252		1.550	1079	785								
124679-HXCDD					1.033		1.240	1001	800								
1234679-HPCDD					1.286		1.050	1384	648								
Total-tetrafurans			0.000e0		0.933			1080		0.00e0							
Total-penta1			0.000e0					869		0.00e0							
Total-pentafurans			8.782e3		0.866			952		1.33e5							1.018
Total-hexafurans			1.574e4		1.208			1010		2.34e5							2.049
Total-heptafurans			6.897e3		1.185			999		1.19e5							1.082
Total-Furans			3.720e4		1.067			1080		5.59e5							5.417
Total-tetradioxins			0.000e0		1.099			1059		0.00e0							
Total-pentadioxins			3.215e3		1.392			1079		5.52e4							0.496
Total-hexadioxins			9.529e3		1.007			1001		1.58e5							1.624
Total-heptadioxins			3.173e3		1.269			1384		4.91e4							0.614
Total-Dioxins			1.601e4		1.165			1059		2.65e5							2.750
Total-TEQ			5.321e4					1059		8.24e5							8.168
FUNCTION1 PFK			3.664e5					577038		8.77e6							
FUNCTION2 PFK			5.803e5					248887		1.44e7							0.000
FUNCTION3 PFK			1.568e5					462057		5.36e6							0.000
FUNCTION4 PFK			0.000e0					300538		0.00e0							
FUNCTION5 PFK			6.700e4					200836		2.35e6							
FUNCTION1 HXCD...			8.333e2					859		1.29e4							0.000
FUNCTION1 HPCD...			1.557e3					919		1.93e4							0.000
FUNCTION2 HPCD...			7.646e2					998		1.65e4							0.000
FUNCTION3 OCDPE			1.789e3					773		2.75e4							0.000
FUNCTION4 NCDPE			1.690e2					924		5.87e3							0.000
FUNCTION5 DCDPE			8.847e1					800		2.49e3							0.000

Method: T:\Autospec\Methods\Dioxin230131IH.mdb 03 Feb 2023 10:31:33
Calibration: 03 Feb 2023 10:33:40

ID: CSLCR, Name: 23020104, Date: 01-Feb-2023, Time: 14:39:51, Conditions: AUTOSPEC01, User: pk

TF

	Compound	RT	Ion1Area	Ion2Area	RRF	Ratio	Pred R	S/N 1	SNFlag	EMPC	Int.1	Int.2	pg
1													

PP

	Compound	RT	Ion1Area	Ion2Area	RRF	Ratio	Pred R	S/N 1	SNFlag	EMPC	Int.1	Int.2	pg
1													

PF

	Compound	RT	Ion1Area	Ion2Area	RRF	Ratio	Pred R	S/N 1	SNFlag	EMPC	Int.1	Int.2	pg
1	23478-PeCDF	31.37	4.511e3	2.751e3	0.911	1.64	1.55	70.7	YES	NO	bb	bb	0.494
2	12378-PeCDF	30.04	4.271e3	3.157e3	0.845	1.35	1.55	69.3	YES	NO	bb	bd	0.524

HF

	Compound	RT	Ion1Area	Ion2Area	RRF	Ratio	Pred R	S/N 1	SNFlag	EMPC	Int.1	Int.2	pg
1	123789-HxCDF	37.01	3.644e3	2.921e3	1.187	1.25	1.24	55.3	YES	NO	bb	bb	0.543
2	234678-HxCDF	35.99	3.766e3	3.106e3	1.229	1.21	1.24	56.2	YES	NO	bb	bb	0.497
3	123678-HxCDF	35.13	4.222e3	3.339e3	1.248	1.26	1.24	62.8	YES	NO	db	db	0.502
4	123478-HxCDF	35.00	4.104e3	3.031e3	1.182	1.35	1.24	57.7	YES	NO	bd	bd	0.507

HPF

	Compound	RT	Ion1Area	Ion2Area	RRF	Ratio	Pred R	S/N 1	SNFlag	EMPC	Int.1	Int.2	pg
1	1234789-HpCDF	41.10	3.001e3	3.100e3	1.165	0.97	1.05	47.6	YES	NO	bb	bb	0.533
2	1234678-HpCDF	38.85	3.896e3	3.656e3	1.204	1.07	1.05	71.5	YES	NO	bb	bb	0.550

ID: CSLCR, Name: 23020104, Date: 01-Feb-2023, Time: 14:39:51, Conditions: AUTOSPEC01, User: pk

Furans,TF,PP,PF,HF,HPF,OF

	Compound	RT	Ion1Area	Ion2Area	RRF	Ratio	Pred R	S/N 1	SNFlag	EMPC	Int.1	Int.2	pg
1	23478-PeCDF	31.37	4.511e3	2.751e3	0.911	1.64	1.55	70.7	YES	NO	bb	bb	0.494
2	12378-PeCDF	30.04	4.271e3	3.157e3	0.845	1.35	1.55	69.3	YES	NO	bb	bd	0.524
3	123789-HxCDF	37.01	3.644e3	2.921e3	1.187	1.25	1.24	55.3	YES	NO	bb	bb	0.543
4	234678-HxCDF	35.99	3.766e3	3.106e3	1.229	1.21	1.24	56.2	YES	NO	bb	bb	0.497
5	123678-HxCDF	35.13	4.222e3	3.339e3	1.248	1.26	1.24	62.8	YES	NO	db	db	0.502
6	123478-HxCDF	35.00	4.104e3	3.031e3	1.182	1.35	1.24	57.7	YES	NO	bd	bd	0.507
7	1234789-HpCDF	41.10	3.001e3	3.100e3	1.165	0.97	1.05	47.6	YES	NO	bb	bb	0.533
8	1234678-HpCDF	38.85	3.896e3	3.656e3	1.204	1.07	1.05	71.5	YES	NO	bb	bb	0.550
9	OCDF	45.38	5.786e3	6.873e3	1.186	0.84	0.89	77.5	YES	NO	bb	bd	1.268

TD

	Compound	RT	Ion1Area	Ion2Area	RRF	Ratio	Pred R	S/N 1	SNFlag	EMPC	Int.1	Int.2	pg
1													

PD

	Compound	RT	Ion1Area	Ion2Area	RRF	Ratio	Pred R	S/N 1	SNFlag	EMPC	Int.1	Int.2	pg
1	12378-PeCDD	31.64	3.215e3	2.188e3	1.087	1.47	1.55	51.2	YES	NO	bd	bb	0.496

HD

	Compound	RT	Ion1Area	Ion2Area	RRF	Ratio	Pred R	S/N 1	SNFlag	EMPC	Int.1	Int.2	pg
1	123789-HxCDD	36.61	2.961e3	2.378e3	0.985	1.24	1.24	54.8	YES	NO	bb	bb	0.509
2	123678-HxCDD	36.22	3.387e3	2.724e3	1.021	1.24	1.24	53.3	YES	NO	db	db	0.556
3	123478-HxCDD	36.11	2.827e3	2.333e3	0.987	1.21	1.24	43.4	YES	NO	dd	bd	0.497
4	Total-hexadioxins	35.12	3.540e2	3.166e2	1.007	1.12	1.24	6.7	YES	NO	db	bb	0.063

HPD

	Compound	RT	Ion1Area	Ion2Area	RRF	Ratio	Pred R	S/N 1	SNFlag	EMPC	Int.1	Int.2	pg
1	1234678-HpCDD	40.35	3.173e3	3.384e3	1.253	0.94	1.05	35.5	YES	NO	bb	bb	0.614

ID: CSLCR, Name: 23020104, Date: 01-Feb-2023, Time: 14:39:51, Conditions: AUTOSPEC01, User: pk

Dioxins,TD,PD,HD,HPD,OD

	Compound	RT	Ion1Area	Ion2Area	RRF	Ratio	Pred R	S/N 1	SNFlag	EMPC	Int.1	Int.2	pg
1	Total-Dioxins	22.28	9.641e1	1.412e2	1.165	0.68	0.77	2.5	NO	NO	bd	bb	0.017
2	12378-PeCDD	31.64	3.215e3	2.188e3	1.087	1.47	1.55	51.2	YES	NO	bd	bb	0.496
3	123789-HxCDD	36.61	2.961e3	2.378e3	0.985	1.24	1.24	54.8	YES	NO	bb	bb	0.509
4	123678-HxCDD	36.22	3.387e3	2.724e3	1.021	1.24	1.24	53.3	YES	NO	db	db	0.556
5	123478-HxCDD	36.11	2.827e3	2.333e3	0.987	1.21	1.24	43.4	YES	NO	dd	bd	0.497
6	Total-hexadioxins	35.12	3.540e2	3.166e2	1.007	1.12	1.24	6.7	YES	NO	db	bb	0.063
7	1234678-HpCDD	40.35	3.173e3	3.384e3	1.253	0.94	1.05	35.5	YES	NO	bb	bb	0.614

TotalTEQ,Furans,Dioxins

	Compound	RT	Ion1Area	Ion2Area	RRF	Ratio	Pred R	S/N 1	SNFlag	EMPC	Int.1	Int.2	pg
1	23478-PeCDF	31.37	4.511e3	2.751e3	0.911	1.64	1.55	70.7	YES	NO	bb	bb	0.494
2	12378-PeCDF	30.04	4.271e3	3.157e3	0.845	1.35	1.55	69.3	YES	NO	bb	bd	0.524
3	123789-HxCDF	37.01	3.644e3	2.921e3	1.187	1.25	1.24	55.3	YES	NO	bb	bb	0.543
4	234678-HxCDF	35.99	3.766e3	3.106e3	1.229	1.21	1.24	56.2	YES	NO	bb	bb	0.497
5	123678-HxCDF	35.13	4.222e3	3.339e3	1.248	1.26	1.24	62.8	YES	NO	db	db	0.502
6	123478-HxCDF	35.00	4.104e3	3.031e3	1.182	1.35	1.24	57.7	YES	NO	bd	bd	0.507
7	1234789-HpCDF	41.10	3.001e3	3.100e3	1.165	0.97	1.05	47.6	YES	NO	bb	bb	0.533
8	1234678-HpCDF	38.85	3.896e3	3.656e3	1.204	1.07	1.05	71.5	YES	NO	bb	bb	0.550
9	OCDF	45.38	5.786e3	6.873e3	1.186	0.84	0.89	77.5	YES	NO	bb	bd	1.268
10	Total-Dioxins	22.28	9.641e1	1.412e2	1.165	0.68	0.77	2.5	NO	NO	bd	bb	0.017
11	12378-PeCDD	31.64	3.215e3	2.188e3	1.087	1.47	1.55	51.2	YES	NO	bd	bb	0.496
12	123789-HxCDD	36.61	2.961e3	2.378e3	0.985	1.24	1.24	54.8	YES	NO	bb	bb	0.509
13	123678-HxCDD	36.22	3.387e3	2.724e3	1.021	1.24	1.24	53.3	YES	NO	db	db	0.556
14	123478-HxCDD	36.11	2.827e3	2.333e3	0.987	1.21	1.24	43.4	YES	NO	dd	bd	0.497
15	Total-hexadioxins	35.12	3.540e2	3.166e2	1.007	1.12	1.24	6.7	YES	NO	db	bb	0.063
16	1234678-HpCDD	40.35	3.173e3	3.384e3	1.253	0.94	1.05	35.5	YES	NO	bb	bb	0.614

ID: CSLCR, Name: 23020104, Date: 01-Feb-2023, Time: 14:39:51, Conditions: AUTOSPEC01, User: pk

PFK1

	Compound	RT	Ion1Area	Ion2Area	RRF	Ratio	Pred R	S/N 1	SNFlag	EMPC	Int.1	Int.2	pg
1	FUNCTION1 PFK	27.58	8.439e4					1.7	NO		bb		
2	FUNCTION1 PFK	27.45	2.771e4					1.5	NO		bb		
3	FUNCTION1 PFK	27.17	2.484e4					1.4	NO		bb		
4	FUNCTION1 PFK	26.40	1.936e4					1.3	NO		bb		
5	FUNCTION1 PFK	26.11	4.980e4					1.6	NO		bb		
6	FUNCTION1 PFK	25.62	1.288e4					0.9	NO		bb		
7	FUNCTION1 PFK	23.40	2.240e4					0.8	NO		bb		
8	FUNCTION1 PFK	22.69	1.568e4					1.0	NO		bb		
9	FUNCTION1 PFK	22.18	2.261e4					1.3	NO		bb		
10	FUNCTION1 PFK	22.10	4.769e4					1.5	NO		bb		
11	FUNCTION1 PFK	21.98	1.078e4					0.8	NO		bb		
12	FUNCTION1 PFK	21.92	2.828e4					1.5	NO		bb		

ID: CSLCR, Name: 23020104, Date: 01-Feb-2023, Time: 14:39:51, Conditions: AUTOSPEC01, User: pk

PFK2

	Compound	RT	Ion1Area	Ion2Area	RRF	Ratio	Pred R	S/N 1	SNFlag	EMPC	Int.1	Int.2	pg
1	FUNCTION2 PFK	29.52	1.267e4					1.4	NO		dd		0.000
2	FUNCTION2 PFK	29.46	2.595e4					2.1	NO		bd		0.000
3	FUNCTION2 PFK	29.36	9.698e3					1.3	NO		db		0.000
4	FUNCTION2 PFK	29.26	3.530e4					1.9	NO		dd		0.000
5	FUNCTION2 PFK	29.20	3.010e4					2.1	NO		dd		0.000
6	FUNCTION2 PFK	29.12	1.008e4					1.1	NO		dd		0.000
7	FUNCTION2 PFK	29.07	1.252e4					1.4	NO		bd		0.000
8	FUNCTION2 PFK	29.00	5.699e3					0.9	NO		db		0.000
9	FUNCTION2 PFK	28.97	2.160e4					1.6	NO		dd		0.000
10	FUNCTION2 PFK	28.81	1.772e4					0.9	NO		bd		0.000
11	FUNCTION2 PFK	28.71	1.302e4					0.8	NO		bb		0.000
12	FUNCTION2 PFK	28.64	1.871e3					0.4	NO		bb		0.000
13	FUNCTION2 PFK	28.51	4.178e3					0.8	NO		bb		0.000
14	FUNCTION2 PFK	28.42	7.027e3					0.8	NO		bb		0.000
15	FUNCTION2 PFK	28.34	4.550e3					0.9	NO		bb		0.000
16	FUNCTION2 PFK	31.02	8.571e3					1.3	NO		dd		0.000
17	FUNCTION2 PFK	30.97	2.370e4					2.0	NO		dd		0.000
18	FUNCTION2 PFK	30.86	2.515e4					1.6	NO		dd		0.000
19	FUNCTION2 PFK	30.83	6.842e3					1.2	NO		bd		0.000
20	FUNCTION2 PFK	30.75	1.931e4					1.6	NO		bb		0.000
21	FUNCTION2 PFK	30.62	1.066e4					1.2	NO		db		0.000
22	FUNCTION2 PFK	30.58	5.541e3					1.0	NO		bd		0.000
23	FUNCTION2 PFK	30.53	9.069e3					1.2	NO		bb		0.000
24	FUNCTION2 PFK	30.44	1.277e4					1.2	NO		db		0.000
25	FUNCTION2 PFK	30.39	1.436e4					1.3	NO		bd		0.000
26	FUNCTION2 PFK	30.19	7.186e3					0.8	NO		bb		0.000
27	FUNCTION2 PFK	30.03	1.599e4					1.2	NO		bb		0.000
28	FUNCTION2 PFK	29.91	1.518e3					0.4	NO		bb		0.000
29	FUNCTION2 PFK	29.80	6.143e3					0.8	NO		bb		0.000
30	FUNCTION2 PFK	29.65	1.120e4					1.0	NO		db		0.000
31	FUNCTION2 PFK	29.56	1.510e4					1.6	NO		dd		0.000
32	FUNCTION2 PFK	32.43	5.171e3					1.0	NO		db		0.000
33	FUNCTION2 PFK	32.40	8.945e3					1.4	NO		bd		0.000
34	FUNCTION2 PFK	32.33	8.546e3					0.8	NO		db		0.000
35	FUNCTION2 PFK	32.28	1.923e3					0.6	NO		bd		0.000
36	FUNCTION2 PFK	32.23	9.966e3					1.3	NO		db		0.000
37	FUNCTION2 PFK	32.18	8.875e3					1.2	NO		bd		0.000

ID: CSLCR, Name: 23020104, Date: 01-Feb-2023, Time: 14:39:51, Conditions: AUTOSPEC01, User: pk

PFK2

	Compound	RT	Ion1Area	Ion2Area	RRF	Ratio	Pred R	S/N 1	SNFlag	EMPC	Int.1	Int.2	pg
38	FUNCTION2 PFK	32.09	1.451e4					1.2	NO		db		0.000
39	FUNCTION2 PFK	32.04	5.136e3					0.8	NO		dd		0.000
40	FUNCTION2 PFK	32.01	7.259e3					1.1	NO		bd		0.000
41	FUNCTION2 PFK	31.94	6.720e3					0.8	NO		bb		0.000
42	FUNCTION2 PFK	31.74	5.803e3					0.8	NO		bb		0.000
43	FUNCTION2 PFK	31.61	6.954e3					1.2	NO		db		0.000
44	FUNCTION2 PFK	31.59	1.111e4					1.2	NO		bd		0.000
45	FUNCTION2 PFK	31.45	7.843e2					0.3	NO		bb		0.000
46	FUNCTION2 PFK	31.41	1.192e4					1.2	NO		bb		0.000
47	FUNCTION2 PFK	31.07	1.965e3					0.4	NO		db		0.000
48	FUNCTION2 PFK	32.80	6.019e3					1.1	NO		db		0.000
49	FUNCTION2 PFK	32.77	9.084e3					1.2	NO		bd		0.000
50	FUNCTION2 PFK	32.64	3.494e4					1.5	NO		db		0.000
51	FUNCTION2 PFK	32.60	5.286e3					0.9	NO		dd		0.000
52	FUNCTION2 PFK	32.53	4.308e3					0.5	NO		bd		0.000

PFK3

	Compound	RT	Ion1Area	Ion2Area	RRF	Ratio	Pred R	S/N 1	SNFlag	EMPC	Int.1	Int.2	pg
1	FUNCTION3 PFK	36.14	4.336e3					0.7	NO		db		0.000
2	FUNCTION3 PFK	36.11	5.755e3					0.7	NO		bd		0.000
3	FUNCTION3 PFK	36.06	7.687e3					0.9	NO		bb		0.000
4	FUNCTION3 PFK	36.02	1.796e4					1.6	NO		bb		0.000
5	FUNCTION3 PFK	35.81	1.736e4					1.2	NO		bb		0.000
6	FUNCTION3 PFK	35.69	5.338e4					1.7	NO		bb		0.000
7	FUNCTION3 PFK	35.20	3.054e3					0.6	NO		bb		0.000
8	FUNCTION3 PFK	34.12	1.673e4					1.2	NO		bb		0.000
9	FUNCTION3 PFK	33.89	1.577e4					1.4	NO		bb		0.000
10	FUNCTION3 PFK	33.50	1.199e4					1.1	NO		bb		0.000
11	FUNCTION3 PFK	36.41	2.803e3					0.5	NO		bb		0.000

PFK4

	Compound	RT	Ion1Area	Ion2Area	RRF	Ratio	Pred R	S/N 1	SNFlag	EMPC	Int.1	Int.2	pg
1													

ID: CSLCR, Name: 23020104, Date: 01-Feb-2023, Time: 14:39:51, Conditions: AUTOSPEC01, User: pk

PFK5

	Compound	RT	Ion1Area	Ion2Area	RRF	Ratio	Pred R	S/N 1	SNFlag	EMPC	Int.1	Int.2	pg
1	FUNCTION5 PFK	46.30	6.353e3					1.3	NO		bb		
2	FUNCTION5 PFK	45.94	1.054e4					1.7	NO		bb		
3	FUNCTION5 PFK	45.79	1.187e3					0.6	NO		bb		
4	FUNCTION5 PFK	45.60	4.997e3					1.0	NO		bb		
5	FUNCTION5 PFK	45.34	9.354e3					1.4	NO		db		
6	FUNCTION5 PFK	45.31	2.478e3					1.0	NO		bd		
7	FUNCTION5 PFK	45.26	5.509e3					1.0	NO		bb		
8	FUNCTION5 PFK	43.99	1.588e4					1.1	NO		bb		
9	FUNCTION5 PFK	43.56	6.413e3					1.4	NO		db		
10	FUNCTION5 PFK	43.53	4.291e3					1.1	NO		bd		

ETHERS1

	Compound	RT	Ion1Area	Ion2Area	RRF	Ratio	Pred R	S/N 1	SNFlag	EMPC	Int.1	Int.2	pg
1	FUNCTION1 HXCD...	22.28	8.501e1					1.7	NO		bb		0.000
2	FUNCTION1 HXCD...	21.98	1.104e2					2.3	NO		bb		0.000
3	FUNCTION1 HXCD...	26.53	2.072e2					2.6	NO		bb		0.000
4	FUNCTION1 HXCD...	26.29	8.524e1					1.7	NO		bb		0.000
5	FUNCTION1 HXCD...	25.91	1.063e2					2.1	NO		db		0.000
6	FUNCTION1 HXCD...	25.87	8.437e1					1.9	NO		bd		0.000
7	FUNCTION1 HXCD...	25.00	7.918e1					1.2	NO		bb		0.000
8	FUNCTION1 HXCD...	24.64	7.557e1					1.6	NO		bb		0.000

ID: CSLCR, Name: 23020104, Date: 01-Feb-2023, Time: 14:39:51, Conditions: AUTOSPEC01, User: pk

ETHERS2

	Compound	RT	Ion1Area	Ion2Area	RRF	Ratio	Pred R	S/N 1	SNFlag	EMPC	Int.1	Int.2	pg
1	FUNCTION1 HPCD...	26.37	8.294e1					2.3	NO		dd		0.000
2	FUNCTION1 HPCD...	26.31	7.445e1					1.6	NO		bd		0.000
3	FUNCTION1 HPCD...	25.85	3.079e2					2.6	NO		db		0.000
4	FUNCTION1 HPCD...	25.72	1.912e2					2.1	NO		bd		0.000
5	FUNCTION1 HPCD...	25.35	9.102e1					2.4	NO		bb		0.000
6	FUNCTION1 HPCD...	24.26	7.312e1					0.4	NO		bb		0.000
7	FUNCTION1 HPCD...	23.34	2.139e2					1.8	NO		bb		0.000
8	FUNCTION1 HPCD...	22.66	8.267e1					0.8	NO		bb		0.000
9	FUNCTION1 HPCD...	21.38	7.618e1					1.4	NO		bb		0.000
10	FUNCTION1 HPCD...	27.98	9.946e1					3.1	YES		bb		0.000
11	FUNCTION1 HPCD...	26.99	8.404e1					1.1	NO		bb		0.000
12	FUNCTION1 HPCD...	26.52	1.802e2					1.5	NO		db		0.000

ETHERS3

	Compound	RT	Ion1Area	Ion2Area	RRF	Ratio	Pred R	S/N 1	SNFlag	EMPC	Int.1	Int.2	pg
1	FUNCTION2 HPCD...	31.64	1.571e2					2.9	NO		bb		0.000
2	FUNCTION2 HPCD...	31.35	7.515e1					1.4	NO		bb		0.000
3	FUNCTION2 HPCD...	30.72	8.443e1					1.4	NO		bb		0.000
4	FUNCTION2 HPCD...	30.46	1.124e2					2.4	NO		bb		0.000
5	FUNCTION2 HPCD...	30.06	1.840e2					5.0	YES		bb		0.000
6	FUNCTION2 HPCD...	28.49	7.182e1					1.7	NO		bb		0.000
7	FUNCTION2 HPCD...	28.27	7.966e1					1.8	NO		bb		0.000

ETHERS4

	Compound	RT	Ion1Area	Ion2Area	RRF	Ratio	Pred R	S/N 1	SNFlag	EMPC	Int.1	Int.2	pg
1	FUNCTION3 OCDPE	35.88	1.145e2					2.3	NO		bd		0.000
2	FUNCTION3 OCDPE	35.18	2.003e2					3.4	YES		bb		0.000
3	FUNCTION3 OCDPE	34.09	1.081e2					2.7	NO		db		0.000
4	FUNCTION3 OCDPE	34.04	7.302e1					3.0	YES		bd		0.000
5	FUNCTION3 OCDPE	37.75	1.221e2					3.1	YES		bb		0.000
6	FUNCTION3 OCDPE	36.64	1.574e2					3.5	YES		db		0.000
7	FUNCTION3 OCDPE	36.60	2.003e2					4.2	YES		bd		0.000
8	FUNCTION3 OCDPE	36.20	2.806e2					4.2	YES		db		0.000
9	FUNCTION3 OCDPE	36.12	3.227e2					5.3	YES		dd		0.000
10	FUNCTION3 OCDPE	35.99	2.101e2					3.8	YES		dd		0.000

ID: CSLCR, Name: 23020104, Date: 01-Feb-2023, Time: 14:39:51, Conditions: AUTOSPEC01, User: pk

ETHERS5

	Compound	RT	Ion1Area	Ion2Area	RRF	Ratio	Pred R	S/N 1	SNFlag	EMPC	Int.1	Int.2	pg
1	FUNCTION4 NCDPE	40.48	9.634e1					2.9	NO		bb		0.000
2	FUNCTION4 NCDPE	38.52	7.264e1					3.4	YES		bb		0.000

ETHERS6

	Compound	RT	Ion1Area	Ion2Area	RRF	Ratio	Pred R	S/N 1	SNFlag	EMPC	Int.1	Int.2	pg
1	FUNCTION5 DCDPE	44.32	8.847e1					3.1	YES		bb		0.000

Method: T:\Autospec\Methods\Dioxin230131IH.mdb 03 Feb 2023 10:31:33
Calibration: 03 Feb 2023 10:33:40

ID: CSLCR, Name: 23020104, Date: 01-Feb-2023, Time: 14:39:51, Conditions: AUTOSPEC01, User: pk

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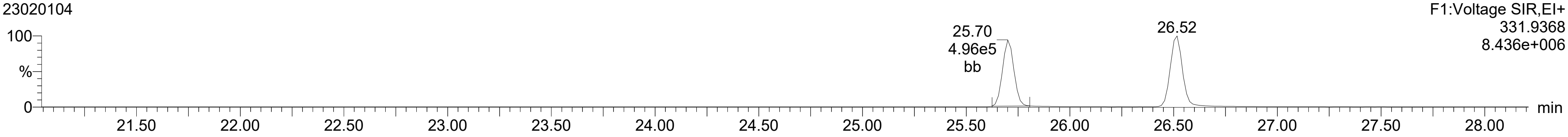

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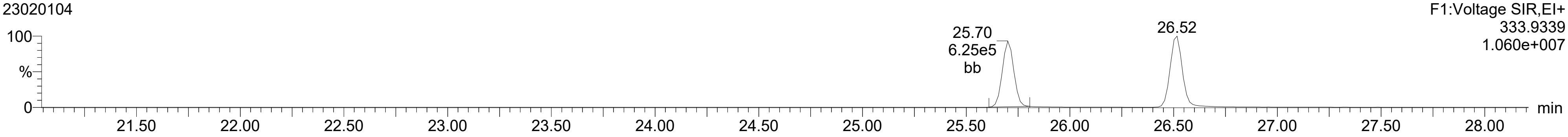

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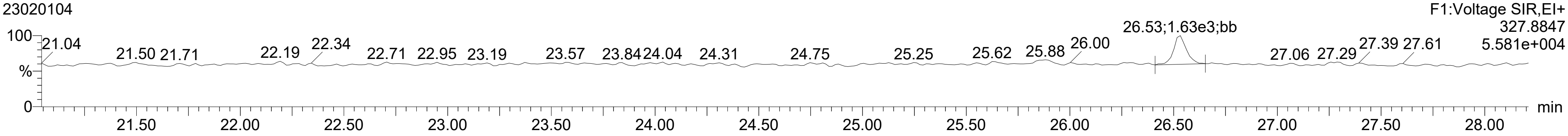

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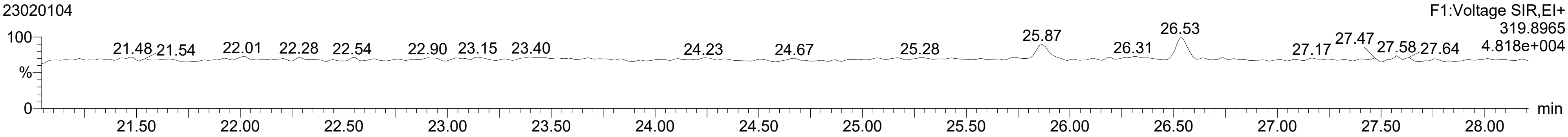

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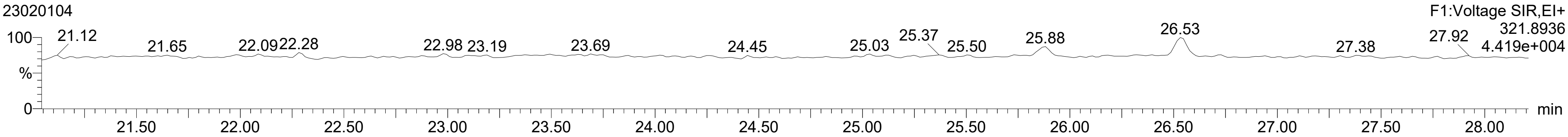

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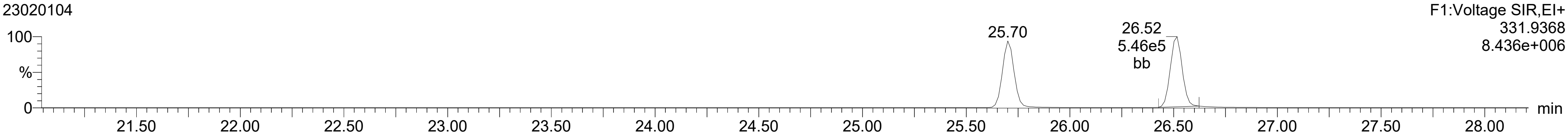

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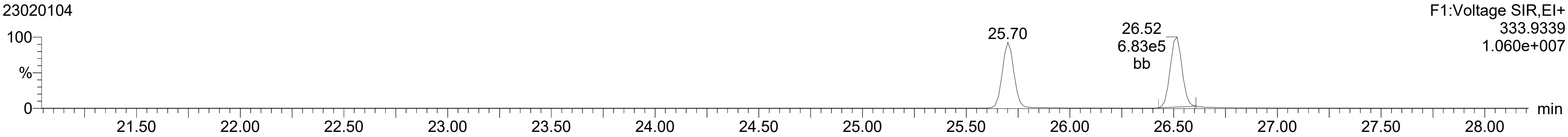

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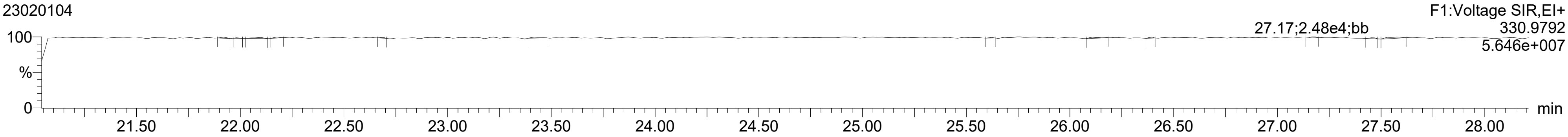

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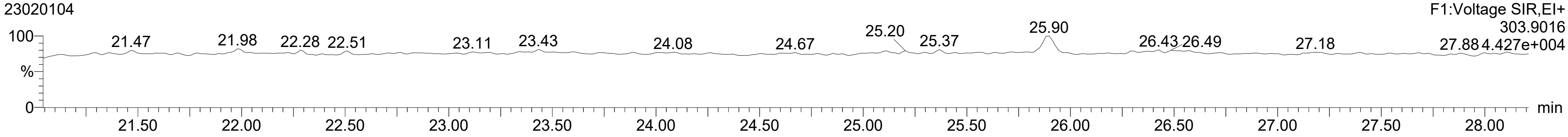

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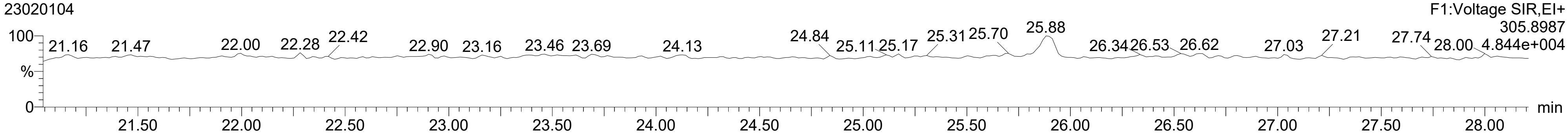

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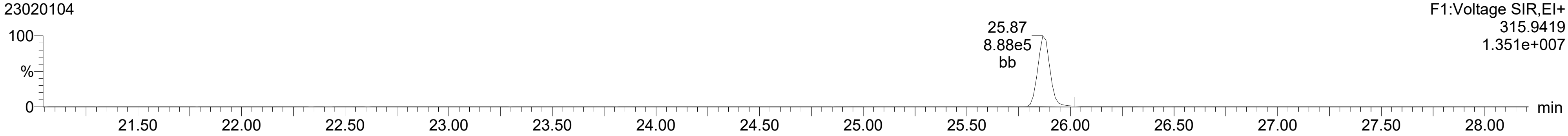

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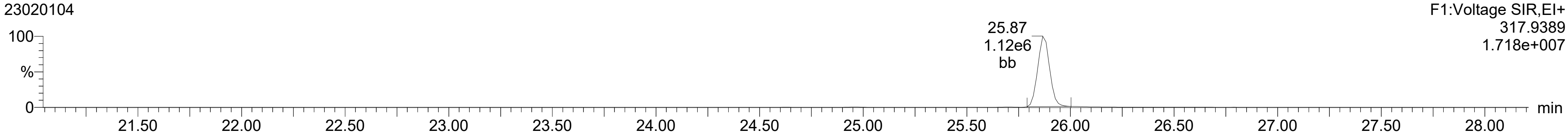

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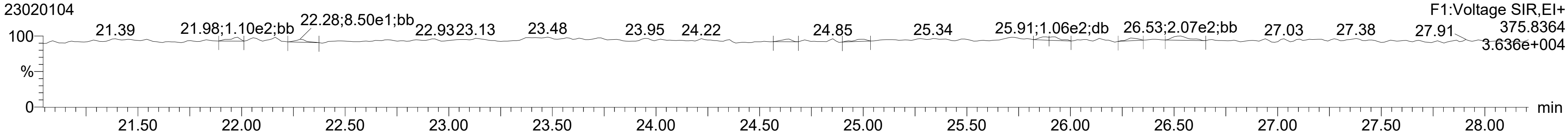

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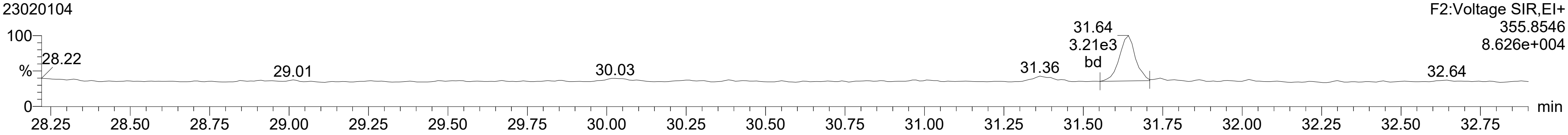

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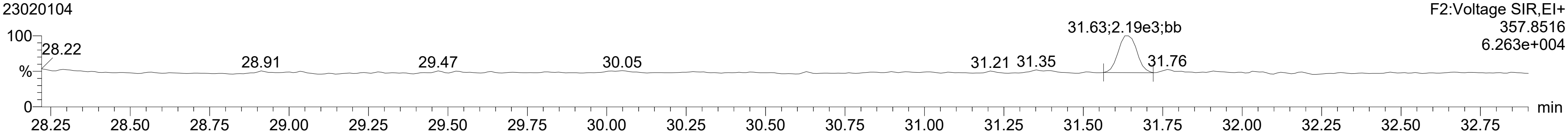

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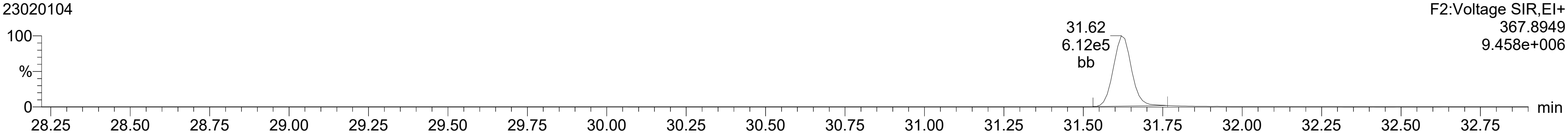

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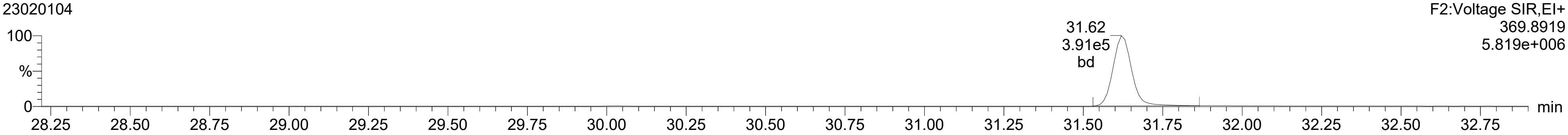

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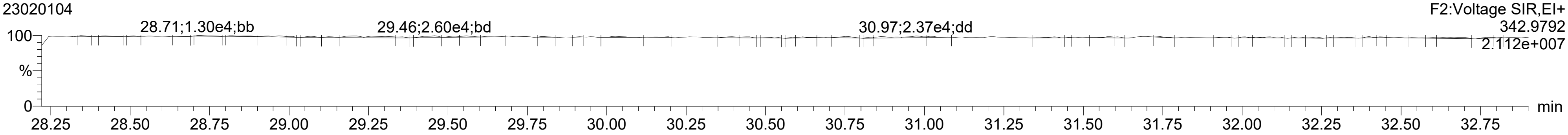

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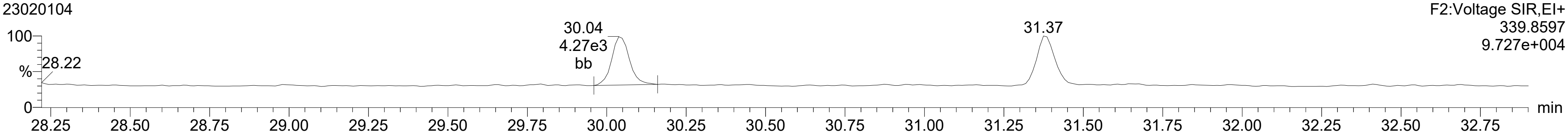

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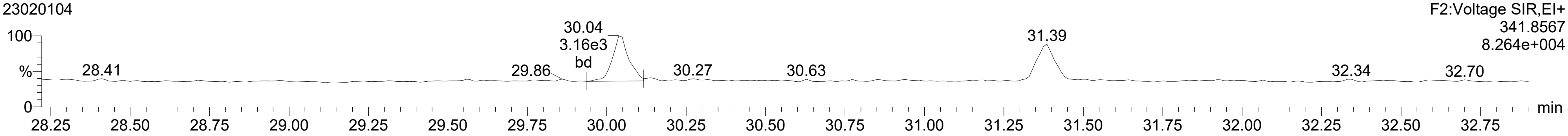

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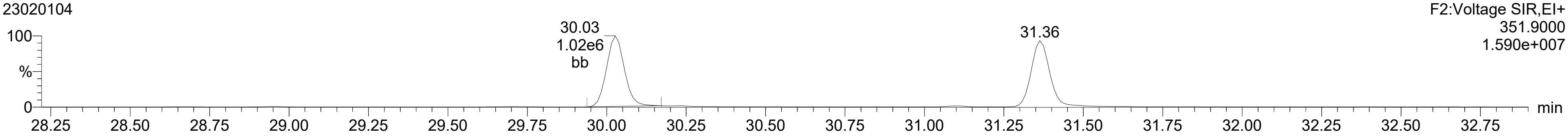

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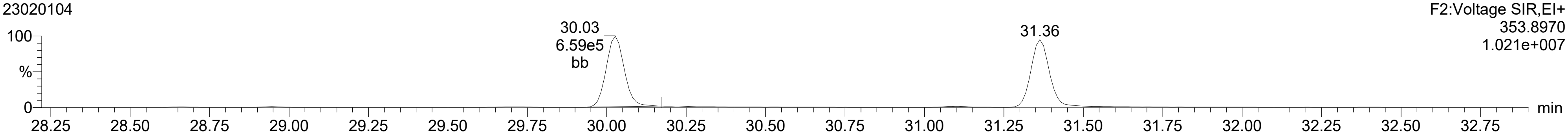

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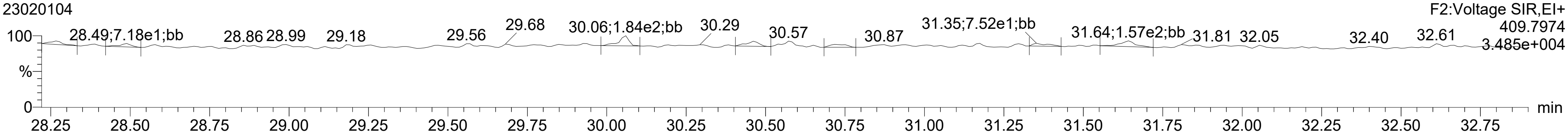

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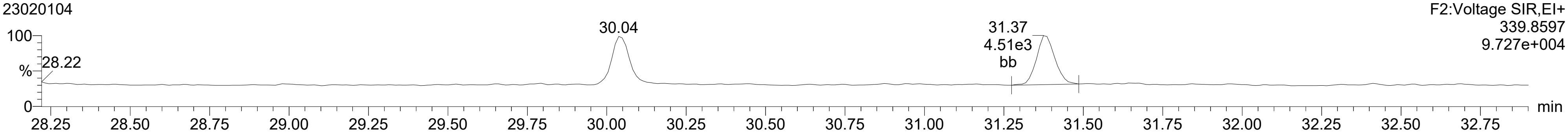
23478-PeCDF



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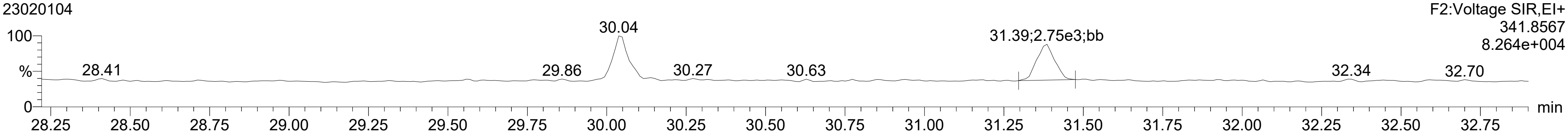

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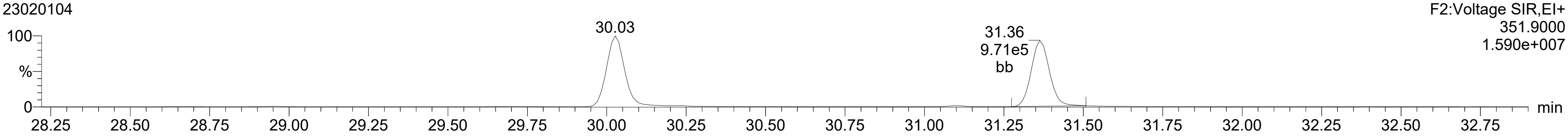

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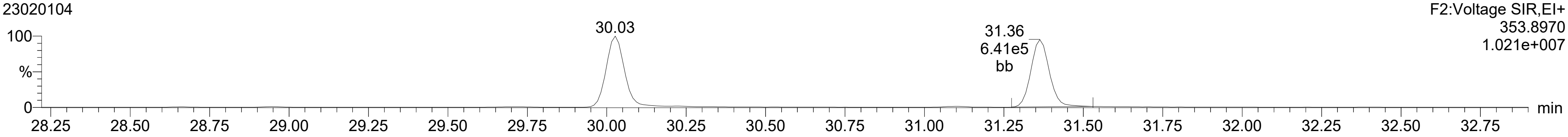

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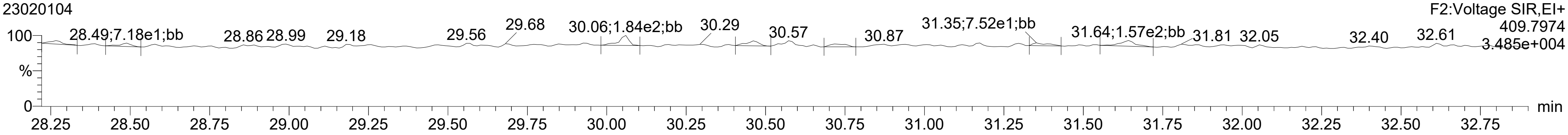

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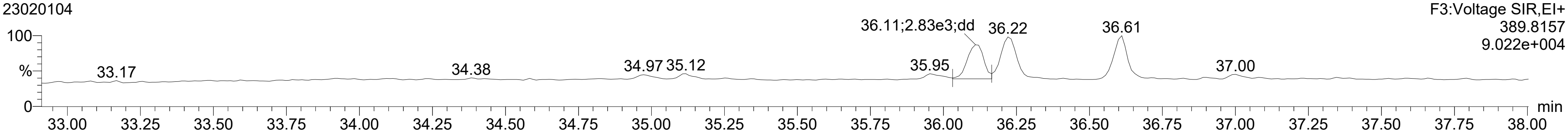
123478-HxCDD



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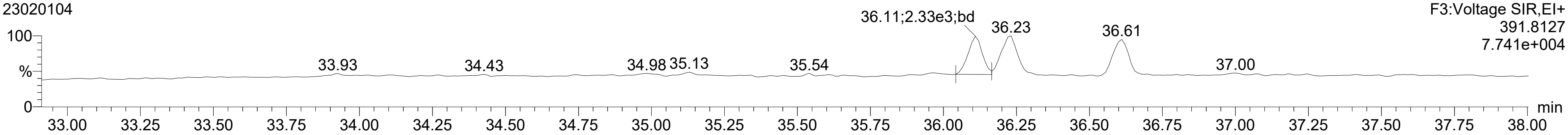

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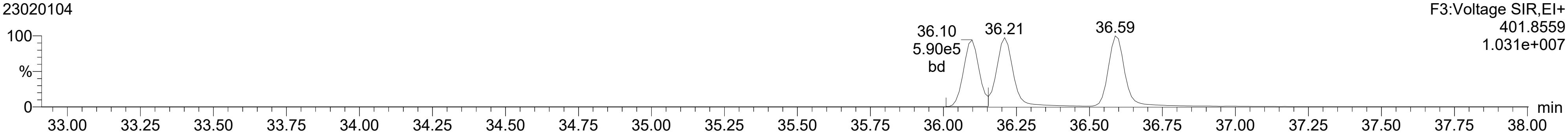

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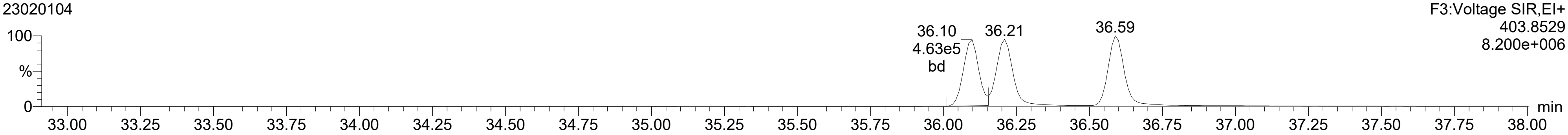

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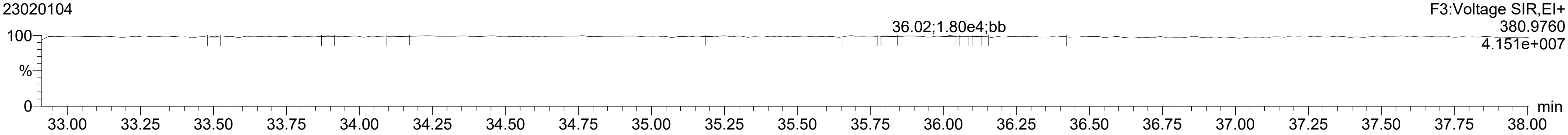

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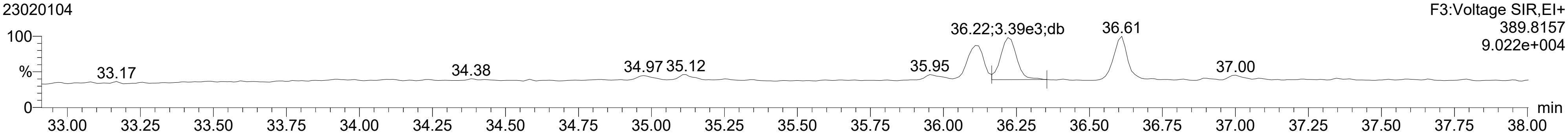

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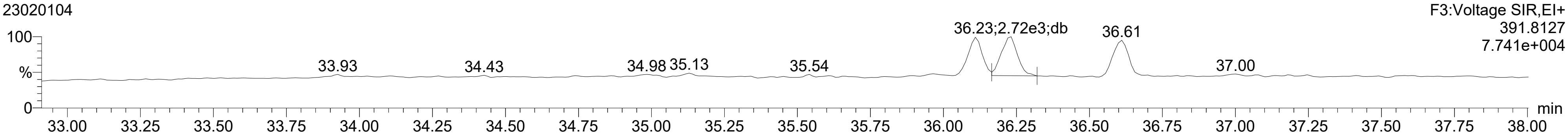

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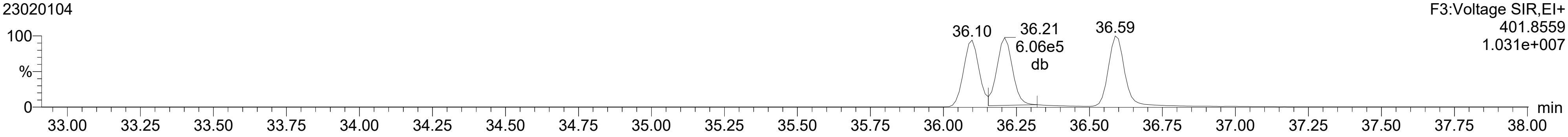

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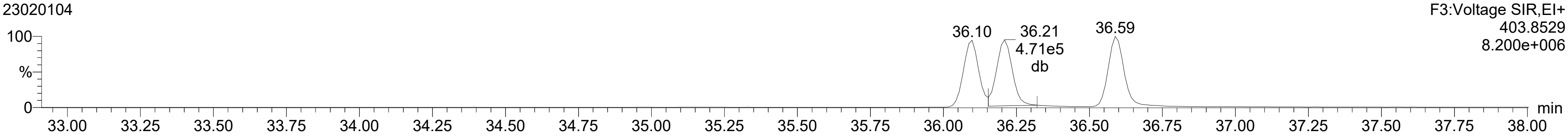

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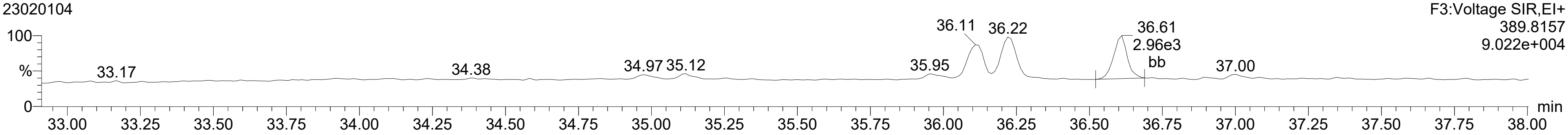

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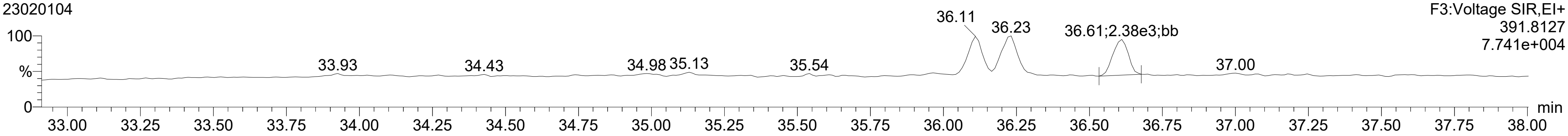

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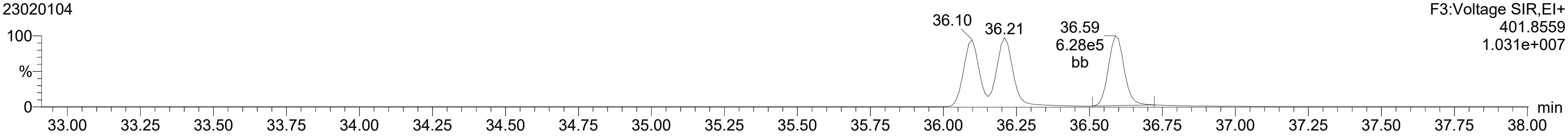

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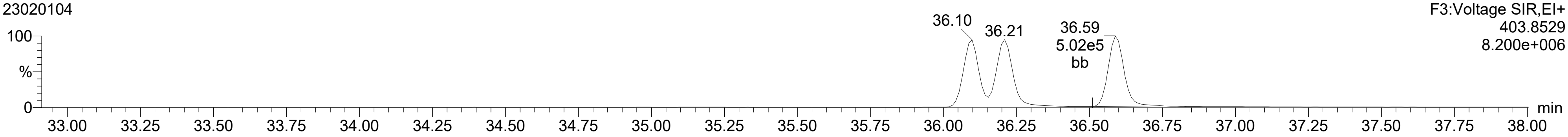

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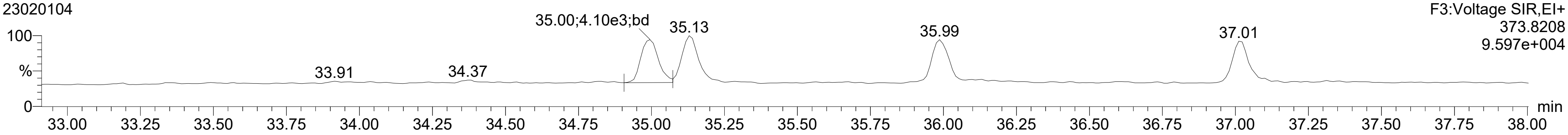

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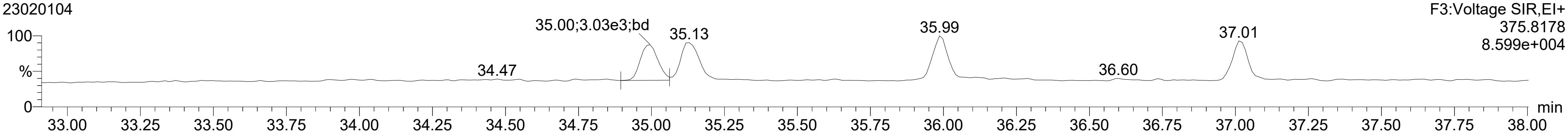

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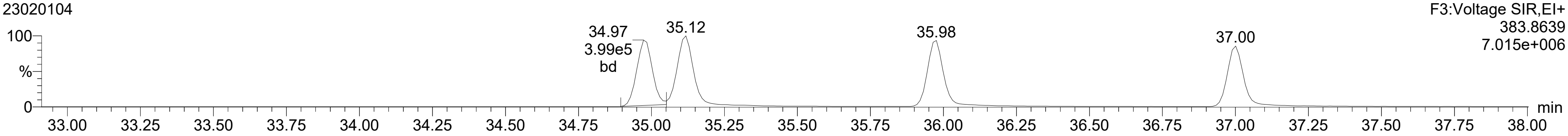

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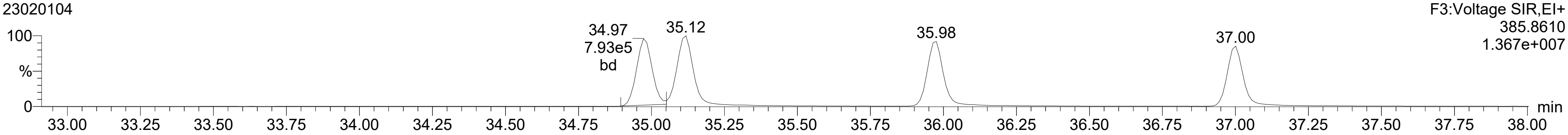

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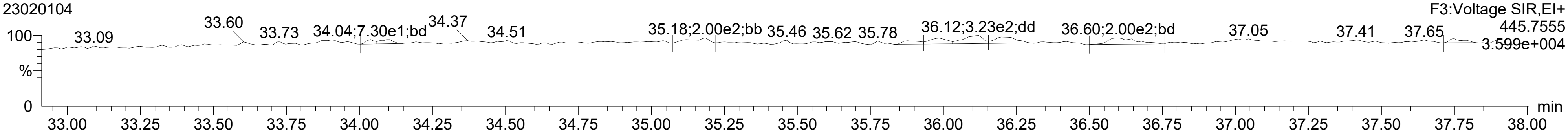

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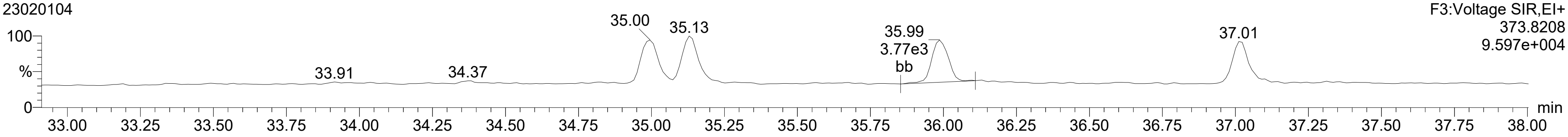

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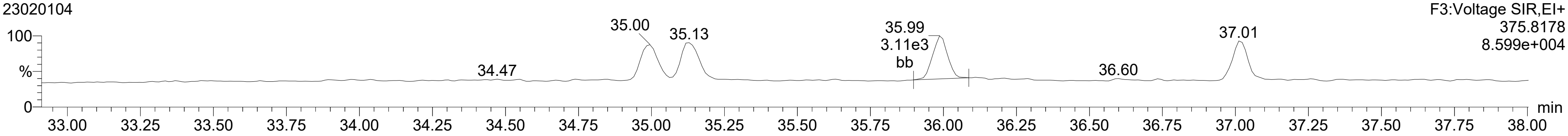

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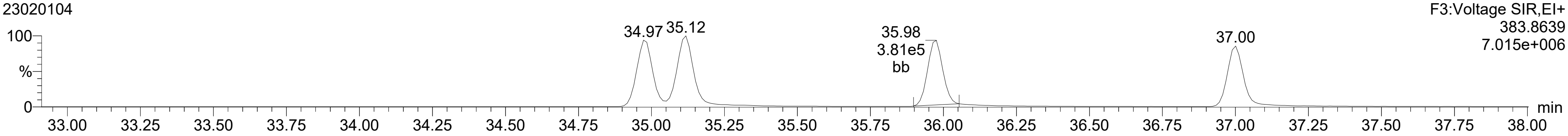

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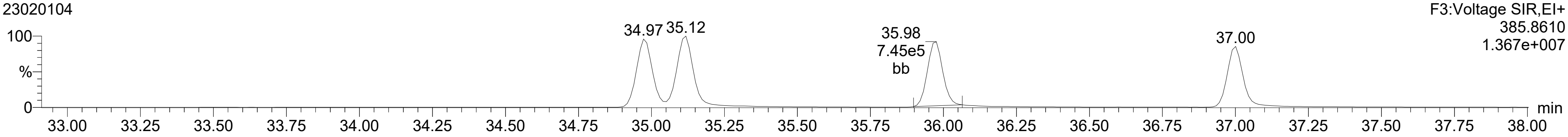

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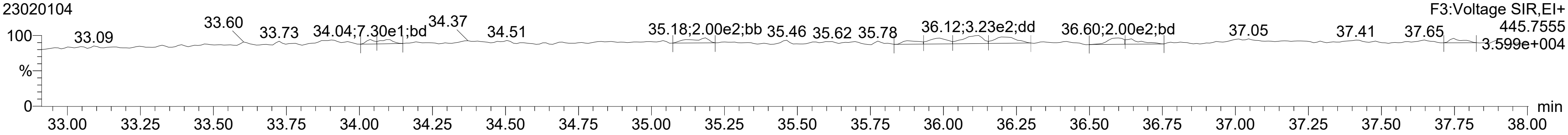

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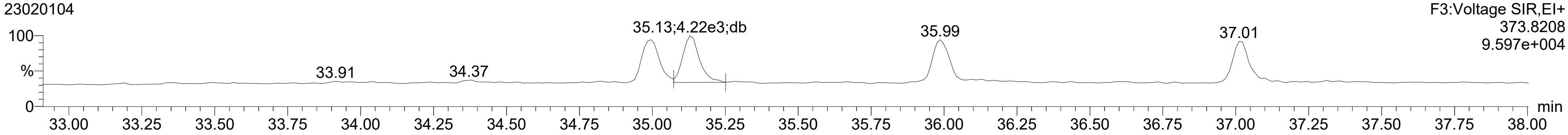

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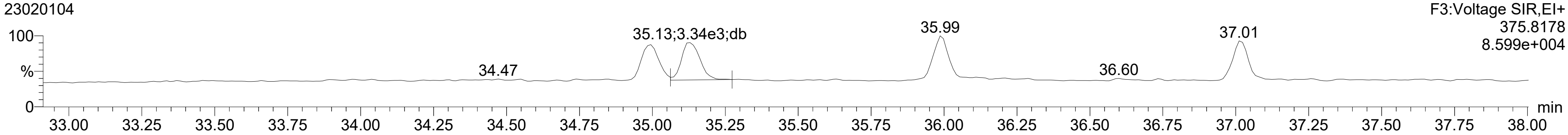

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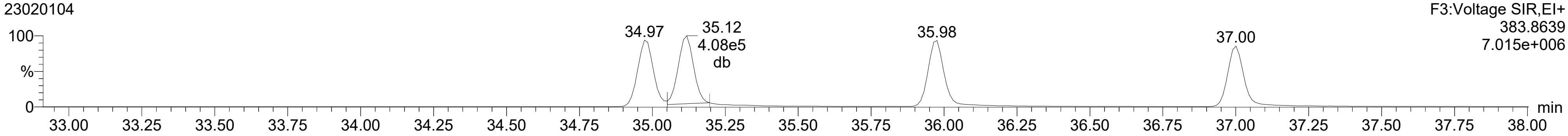

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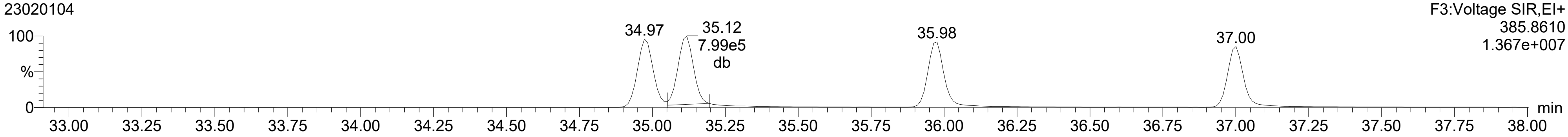

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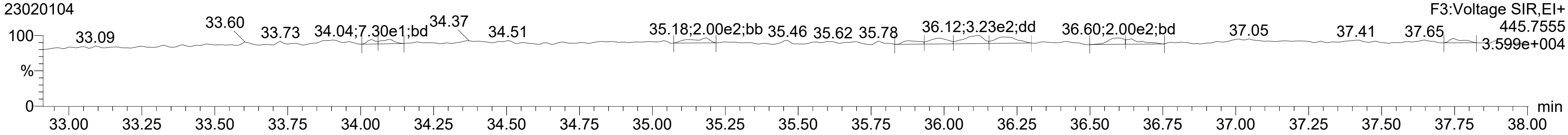

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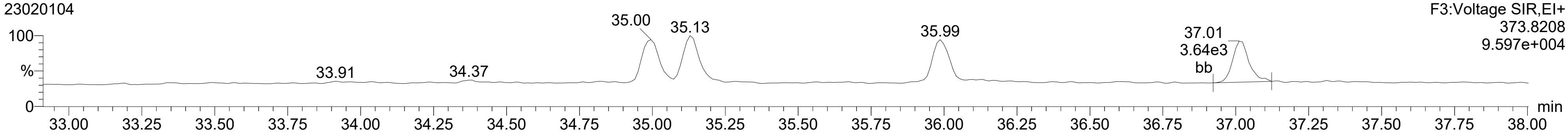

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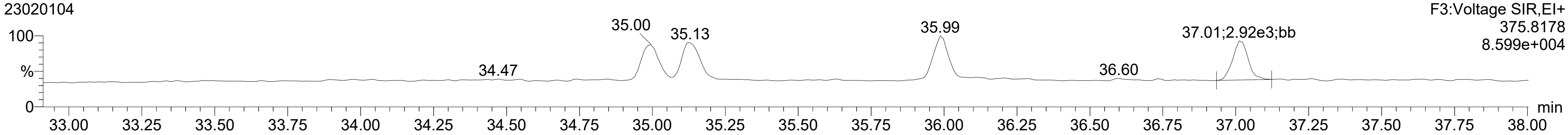

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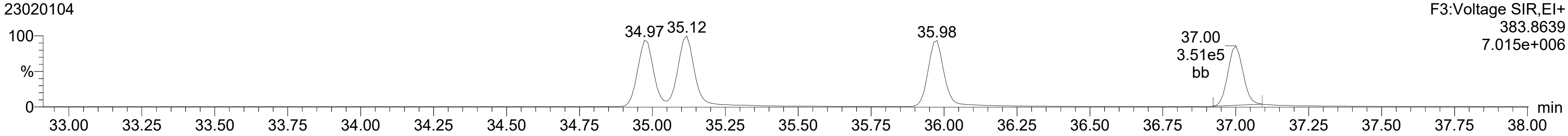

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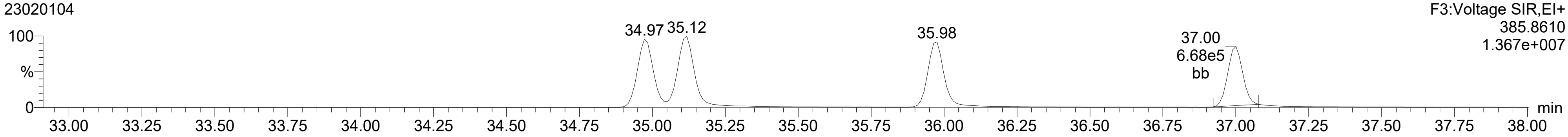

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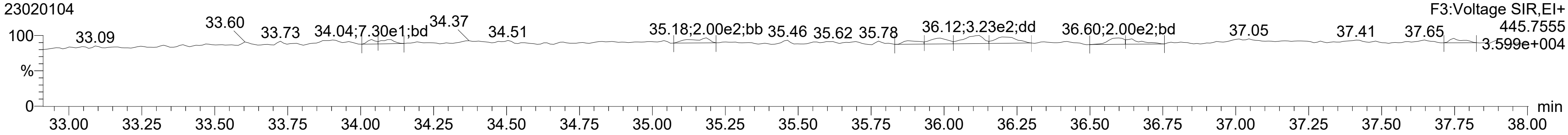

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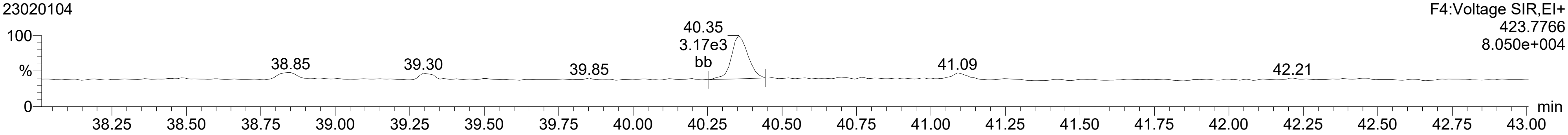

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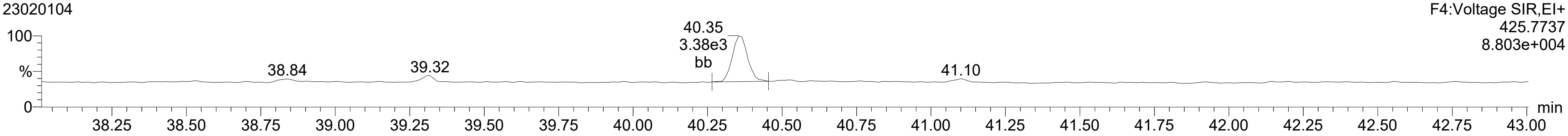

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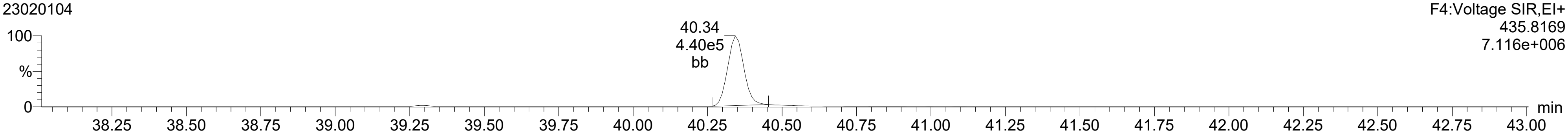

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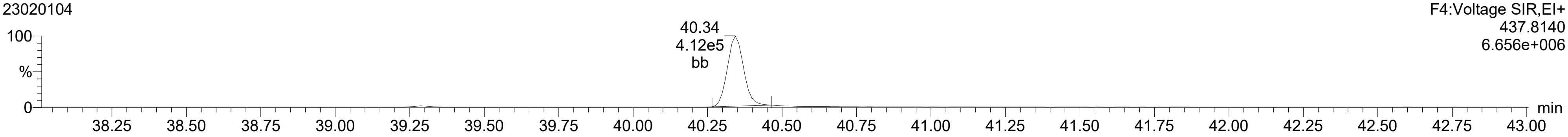
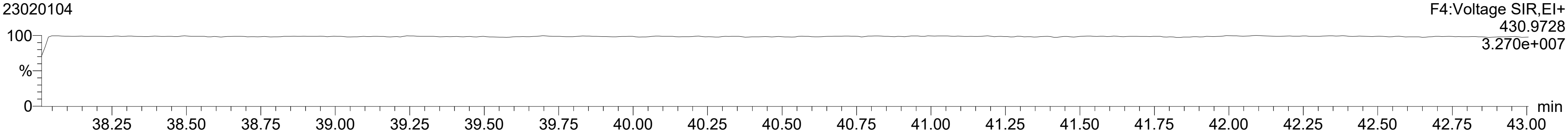


FUNCTION4 PFK



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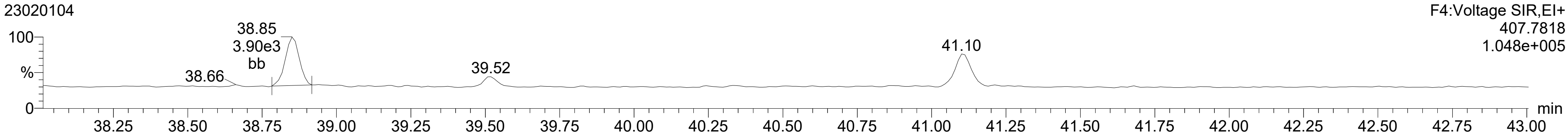

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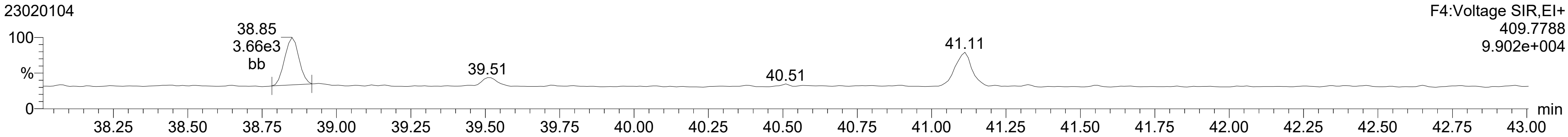

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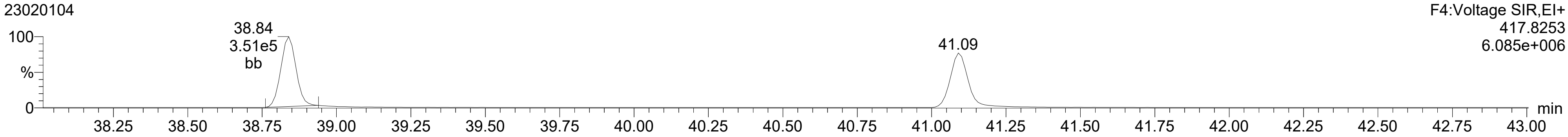

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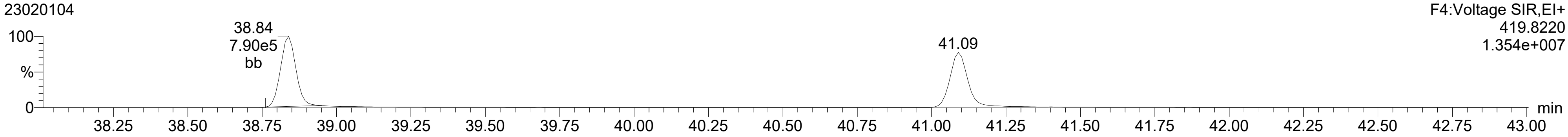

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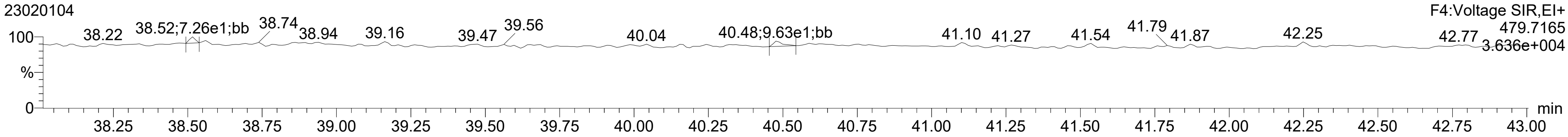

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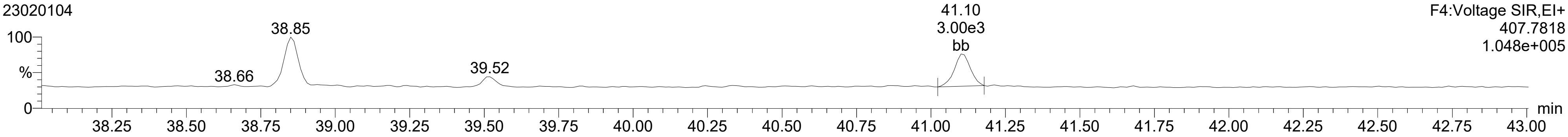

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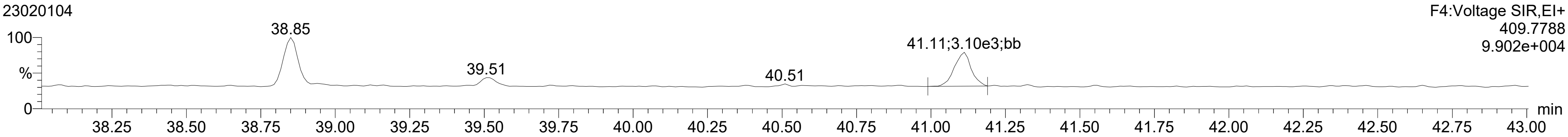

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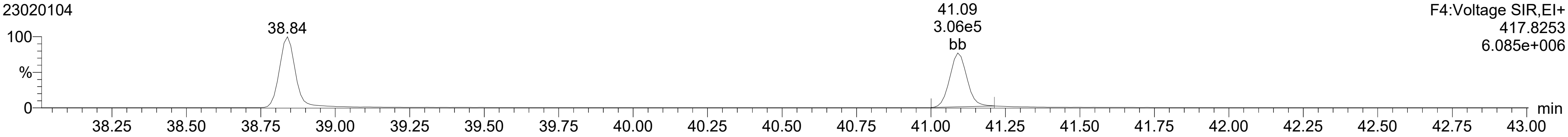

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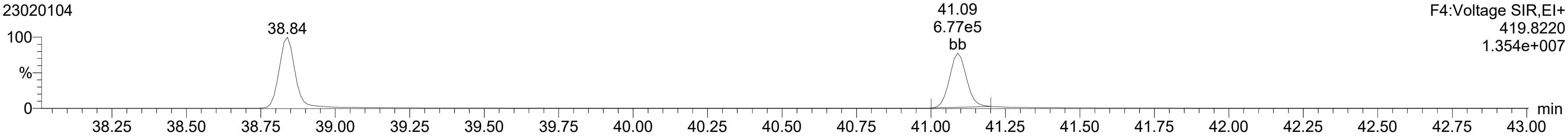

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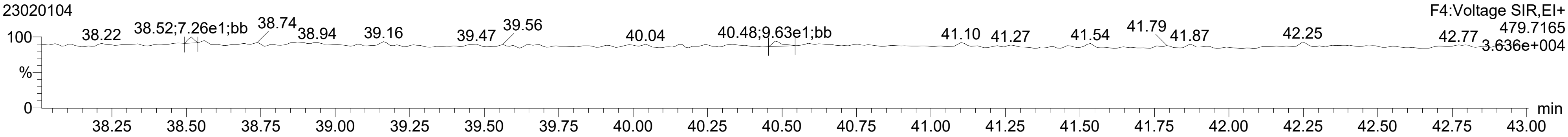

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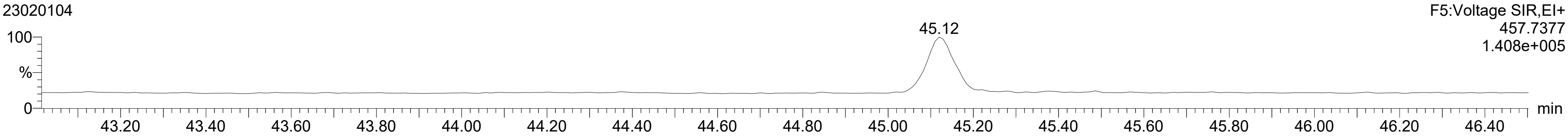
OCDD



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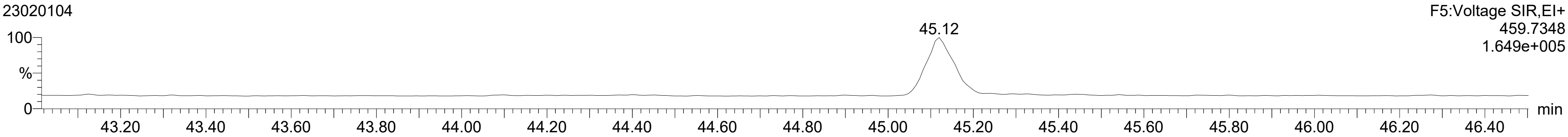

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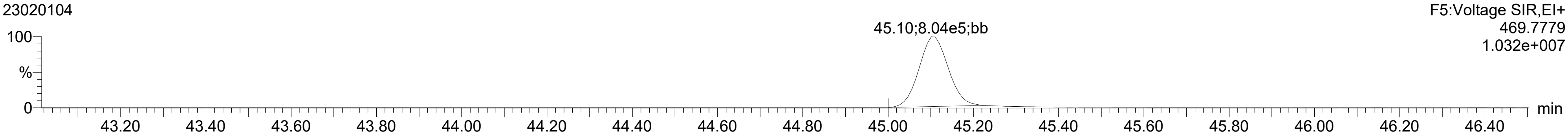

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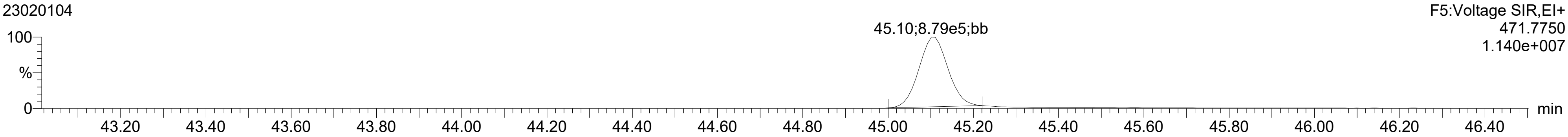

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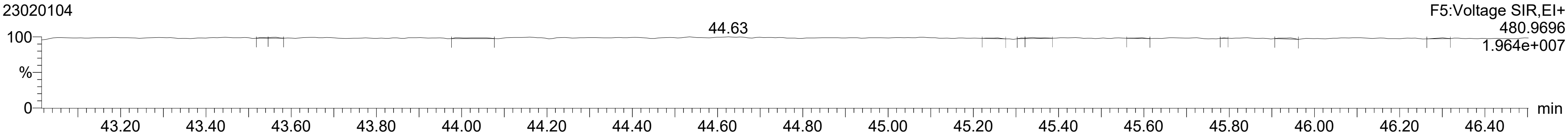

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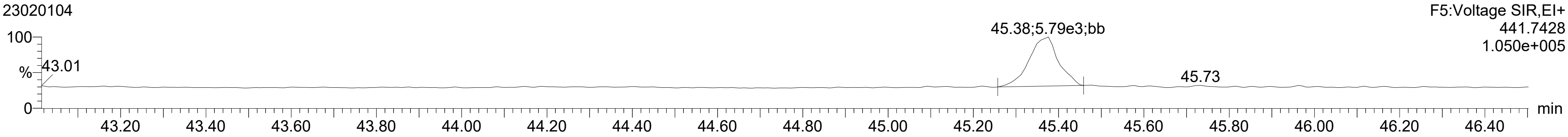

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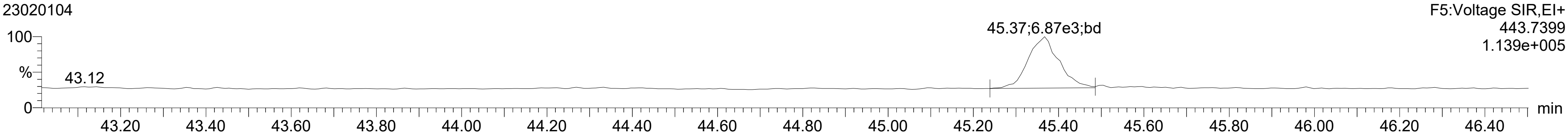

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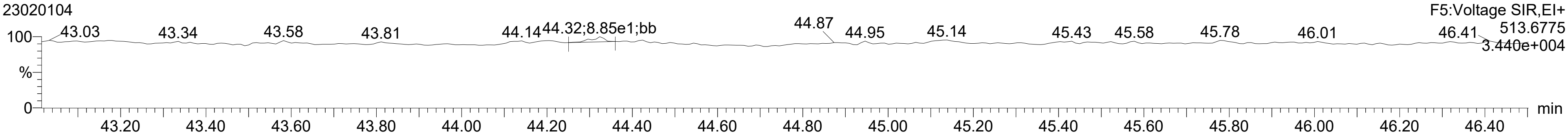

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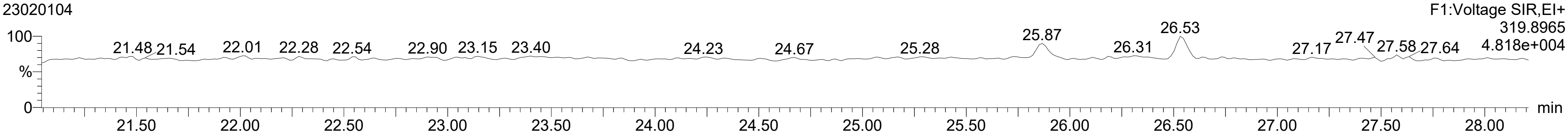

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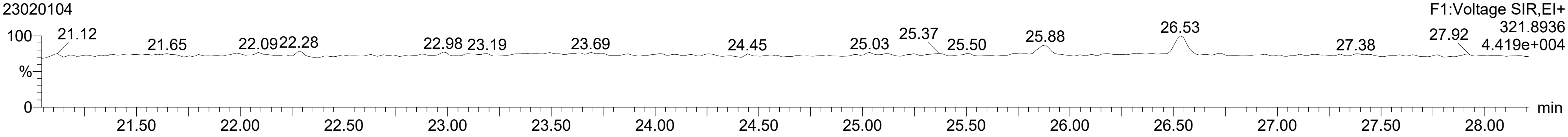

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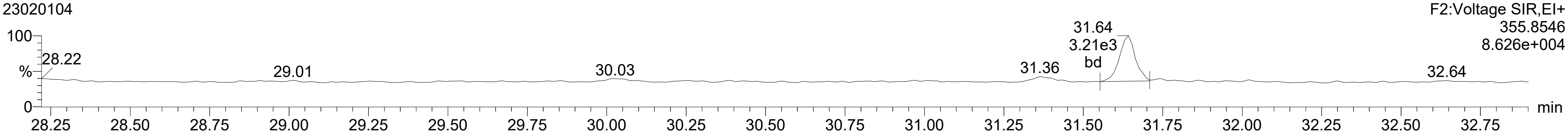

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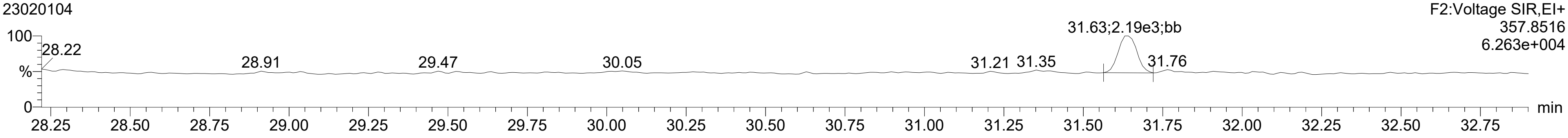

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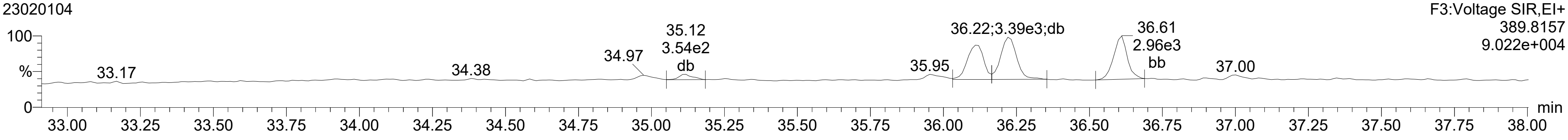

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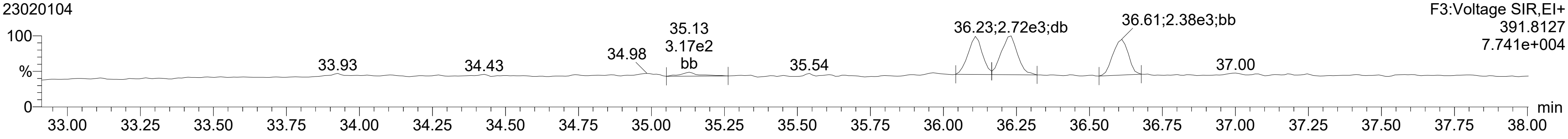

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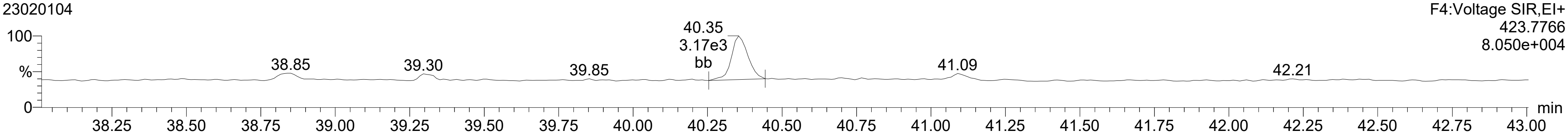

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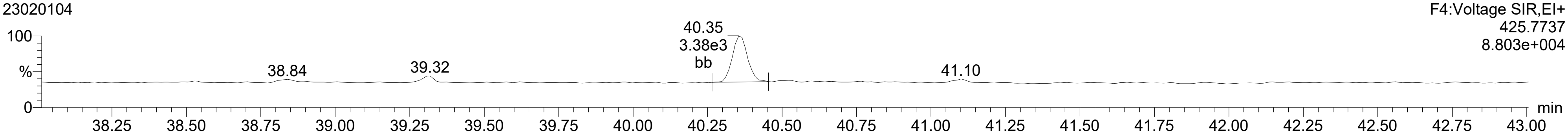

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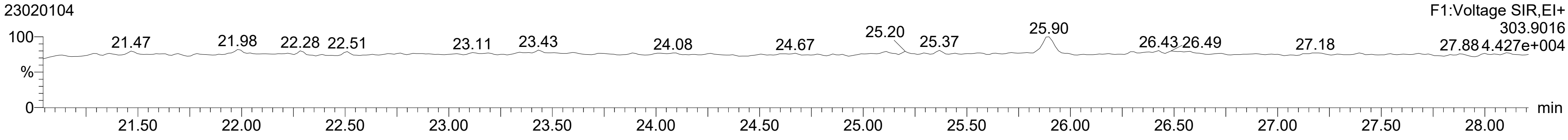
Total-tetrafurans



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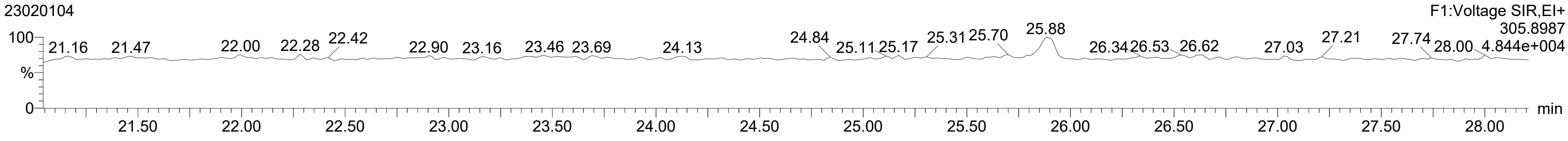

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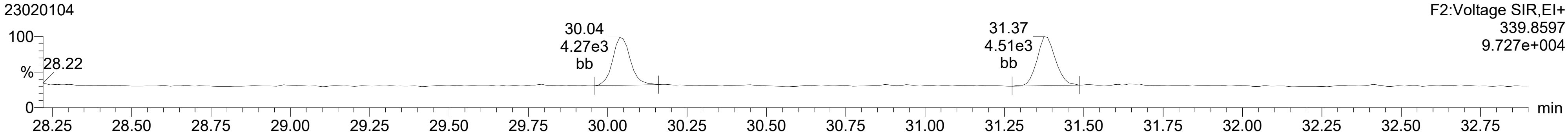

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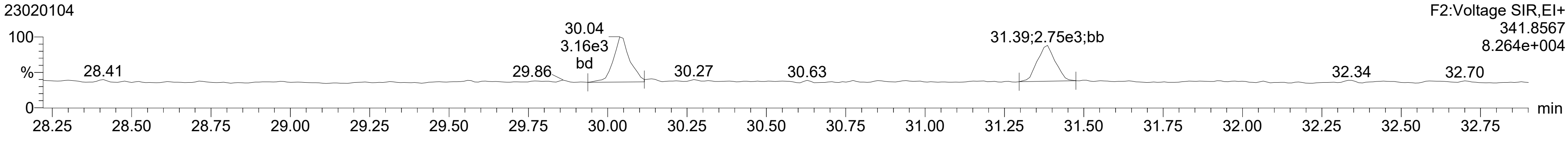

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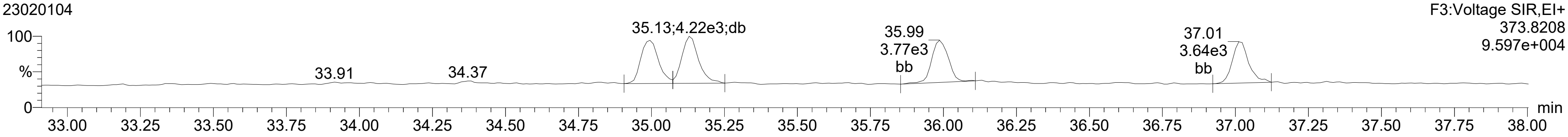
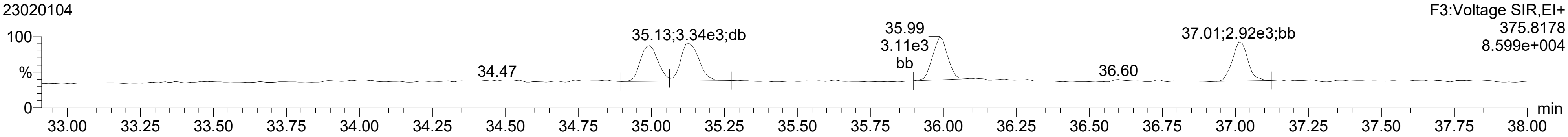
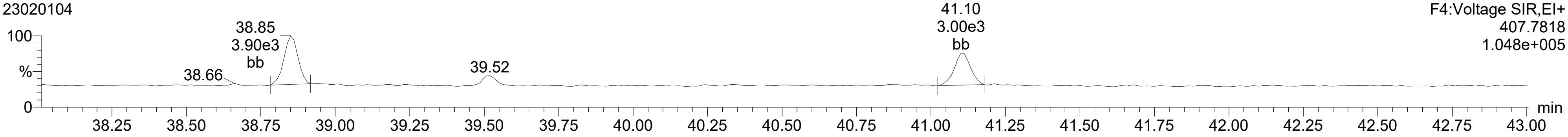


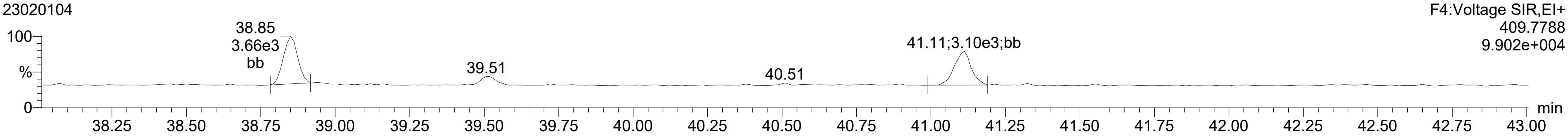
Total-hexafurans



Total-heptafurans



Total-heptafurans



Method: T:\Autospec\Methods\Dioxin230131IH.mdb 03 Feb 2023 10:31:33
Calibration: 03 Feb 2023 10:33:40

ID: CS1CR, Name: 23020105, Date: 01-Feb-2023, Time: 15:28:53, Conditions: AUTOSPEC01, User: pk

Compound	RT	RRT	Ion1Area	Ion2Area	RRF	Ratio	Pred R	Noise 1	Noise 2	Height 1	Height 2	S/N 1	S/N 2	EMPC	Int.1	Int.2	pg
2378-TCDF	25.897	1.001	3.165e3	3.812e3	0.876	0.830	0.770	851	1202	5.14e4	5.60e4	60.4	46.6	NO	db	bb	0.501
12378-PeCDF	30.048	1.000	1.657e4	1.122e4	0.845	1.477	1.550	1016	1248	2.51e5	1.73e5	247.1	138.5	NO	bb	bb	2.455
23478-PeCDF	31.385	1.000	1.669e4	1.174e4	0.911	1.422	1.550	1016	1248	2.63e5	1.81e5	259.2	145.3	NO	bb	bd	2.401
123478-HxCDF	35.006	1.001	1.544e4	1.249e4	1.182	1.236	1.240	890	1056	2.44e5	1.98e5	274.0	187.0	NO	bd	bd	2.494
234678-HxCDF	35.998	1.001	1.543e4	1.155e4	1.229	1.336	1.240	890	1056	2.60e5	1.91e5	292.0	180.6	NO	bd	bb	2.421
123678-HxCDF	35.140	1.001	1.636e4	1.318e4	1.248	1.241	1.240	890	1056	2.60e5	2.03e5	291.7	192.2	NO	dd	db	2.443
123789-HxCDF	37.023	1.000	1.293e4	1.008e4	1.187	1.282	1.240	890	1056	2.13e5	1.63e5	239.4	154.3	NO	bd	bb	2.372
1234678-HpCDF	38.861	1.000	1.439e4	1.337e4	1.204	1.077	1.050	1098	1117	2.42e5	2.23e5	220.8	199.9	NO	bb	bd	2.577
1234789-HpCDF	41.112	1.000	1.117e4	1.059e4	1.165	1.055	1.050	1098	1117	1.62e5	1.56e5	147.3	139.5	NO	bb	bb	2.411
OCDF	45.367	1.006	1.860e4	2.066e4	1.186	0.900	0.890	1237	861	2.12e5	2.52e5	171.2	292.2	NO	bb	bb	5.087
2378-TCDD	26.547	1.001	2.836e3	3.619e3	1.236	0.784	0.770	1261	742	4.26e4	5.78e4	33.8	77.9	NO	bb	bb	0.538
12378-PeCDD	31.642	1.000	1.354e4	8.892e3	1.087	1.522	1.550	1167	972	2.08e5	1.36e5	178.2	140.0	NO	bd	bd	2.535
123478-HxCDD	36.120	1.001	1.109e4	9.100e3	0.987	1.219	1.240	1079	803	1.88e5	1.54e5	174.2	191.5	NO	bd	bd	2.425
123678-HxCDD	36.232	1.000	1.193e4	1.017e4	1.021	1.173	1.240	1079	803	2.08e5	1.71e5	192.4	213.0	NO	db	dd	2.523
123789-HxCDD	36.611	1.011	1.141e4	9.550e3	0.985	1.195	1.240	1079	803	1.90e5	1.59e5	175.6	197.5	NO	bb	bd	2.499
1234678-HpCDD	40.365	1.000	1.047e4	1.022e4	1.253	1.025	1.050	924	912	1.67e5	1.57e5	180.8	172.2	NO	bb	bb	2.439
OCDD	45.129	1.000	2.025e4	2.243e4	1.103	0.903	0.890	770	1015	2.54e5	2.74e5	329.8	270.4	NO	bb	bb	5.948
13C-2378-TCDF	25.882	1.007	6.992e5	8.909e5	1.768	0.785	0.770	1890	1690	1.07e7	1.37e7	5679.3	8103.6	NO	bb	bb	99.523
13C-12378-PeCDF	30.037	1.168	8.127e5	5.274e5	1.527	1.541	1.550	2822	3217	1.25e7	8.12e6	4447.1	2523.6	NO	bb	bb	97.112
13C-23478-PeCDF	31.374	1.220	7.914e5	5.082e5	1.466	1.557	1.550	2822	3217	1.22e7	7.90e6	4335.0	2456.5	NO	bb	bb	98.086
13C-123478-HxCDF	34.984	0.956	3.203e5	6.270e5	1.054	0.511	0.510	2242	2569	5.23e6	1.03e7	2333.1	3994.8	NO	bd	bd	102.287
13C-123678-HxCDF	35.118	0.960	3.331e5	6.354e5	1.080	0.524	0.510	2242	2569	5.30e6	1.04e7	2362.3	4050.9	NO	db	db	102.033
13C-234678-HxCDF	35.975	0.983	3.012e5	6.055e5	1.014	0.497	0.510	2242	2569	5.04e6	1.01e7	2247.8	3935.5	NO	bb	bb	101.688
13C-123789-HxCDF	37.012	1.011	2.780e5	5.398e5	0.928	0.515	0.510	2242	2569	4.60e6	8.89e6	2053.4	3459.1	NO	bb	bb	100.261
13C-1234678-HpCDF	38.850	1.061	2.750e5	6.195e5	1.036	0.444	0.440	2698	3387	4.63e6	1.03e7	1714.9	3048.9	NO	bb	bb	98.218
13C-1234789-HpCDF	41.100	1.123	2.400e5	5.347e5	0.905	0.449	0.440	2698	3387	3.64e6	7.83e6	1350.8	2311.2	NO	bb	bb	97.391
13C-1234-TCDD	25.715	0.000	4.030e5	5.006e5	1.000	0.805	0.770	2070	1290	6.17e6	7.63e6	2981.3	5910.4	NO	bb	bb	100.000
13C-2378-TCDD	26.517	1.031	4.334e5	5.370e5	1.103	0.807	0.770	2070	1290	6.64e6	8.43e6	3208.6	6536.2	NO	bb	bb	97.361
13C-12378-PeCDD	31.630	1.230	5.002e5	3.141e5	0.914	1.593	1.550	1571	1429	7.70e6	4.72e6	4905.0	3303.0	NO	bb	bd	98.574
13C-123478-HxCDD	36.098	0.986	4.774e5	3.663e5	0.933	1.303	1.240	2711	2219	7.76e6	6.04e6	2862.5	2723.9	NO	bd	bd	102.880
13C-123678-HxCDD	36.221	0.990	4.780e5	3.801e5	0.965	1.258	1.240	2711	2219	7.94e6	6.30e6	2926.7	2837.8	NO	db	db	101.203
13C-1234678-HpCDD	40.354	1.103	3.494e5	3.280e5	0.782	1.065	1.050	1617	1571	5.50e6	5.16e6	3401.2	3284.5	NO	bb	bb	98.546
13C-OCDD	45.111	1.233	6.222e5	6.790e5	0.788	0.916	0.890	1719	2376	7.89e6	8.58e6	4588.0	3611.7	NO	bb	bb	187.800
13C-123789-HxCDD	36.599	0.000	4.932e5	3.858e5	1.000	1.278	1.240	2711	2219	8.15e6	6.30e6	3006.5	2840.6	NO	bb	bb	100.000
37CL-2378-TCDD	26.547	1.032	5.621e3		1.233			1648		8.22e4		49.9			bb		0.504

ID: CS1CR, Name: 23020105, Date: 01-Feb-2023, Time: 15:28:53, Conditions: AUTOSPEC01, User: pk

Compound	RT	RRT	Ion1Area	Ion2Area	RRF	Ratio	Pred R	Noise 1	Noise 2	Height 1	Height 2	S/N 1	S/N 2	EMPC	Int.1	Int.2	pg
1368-TCDF					1.064		0.770	851	1202								
1289-TCDF					0.858		0.770	851	1202								
13468-PECDF					1.013		1.550	923	968								
12389-PECDF					0.844		1.550	1016	1248								
123468-HXCDF					1.197		1.240	890	1056								
1368-TCDD					1.084		0.770	1261	742								
1289-TCDD					0.975		0.770	1261	742								
12479-PECDD					1.837		1.550	1167	972								
12389-PECDD					1.252		1.550	1167	972								
124679-HXCDD					1.033		1.240	1079	803								
1234679-HPCDD					1.286		1.050	924	912								
Total-tetrafurans			3.165e3		0.933			851		5.14e4							0.501
Total-penta1			0.000e0					923		0.00e0							
Total-pentafurans			3.326e4		0.866			1016		5.14e5							4.856
Total-hexafurans			6.015e4		1.208			890		9.76e5							9.731
Total-heptafurans			2.643e4		1.185			1098		4.18e5							5.166
Total-Furans			1.416e5		1.067			851		2.17e6							25.340
Total-tetradioxins			2.907e3		1.099			1261		4.45e4							0.554
Total-pentadioxins			1.372e4		1.392			1167		2.12e5							2.561
Total-hexadioxins			3.443e4		1.007			1079		5.85e5							7.448
Total-heptadioxins			1.047e4		1.269			924		1.67e5							2.439
Total-Dioxins			8.178e4		1.165			1261		1.26e6							18.950
Total-TEQ			2.234e5					1261		3.43e6							44.290
FUNCTION1 PFK			2.400e7					626106		1.90e8							
FUNCTION2 PFK			0.000e0					236572		0.00e0							
FUNCTION3 PFK			4.302e5					501624		1.34e7							0.000
FUNCTION4 PFK			4.347e5					324457		1.19e7							
FUNCTION5 PFK			8.590e4					209539		3.93e6							
FUNCTION1 HXCD...			1.828e3					784		2.65e4							0.000
FUNCTION1 HPCD...			8.634e2					852		1.29e4							0.000
FUNCTION2 HPCD...			2.922e2					978		5.26e3							0.000
FUNCTION3 OCDPE			8.271e2					835		1.40e4							0.000
FUNCTION4 NCDPE			1.900e2					822		4.03e3							0.000
FUNCTION5 DCDPE			0.000e0					732		0.00e0							

Method: T:\Autospec\Methods\Dioxin230131IH.mdb 03 Feb 2023 10:31:33
Calibration: 03 Feb 2023 10:33:40

ID: CS1CR, Name: 23020105, Date: 01-Feb-2023, Time: 15:28:53, Conditions: AUTOSPEC01, User: pk

TF

	Compound	RT	Ion1Area	Ion2Area	RRF	Ratio	Pred R	S/N 1	SNFlag	EMPC	Int.1	Int.2	pg
1	2378-TCDF	25.90	3.165e3	3.812e3	0.876	0.83	0.77	60.4	YES	NO	db	bb	0.501

PP

	Compound	RT	Ion1Area	Ion2Area	RRF	Ratio	Pred R	S/N 1	SNFlag	EMPC	Int.1	Int.2	pg
1													

PF

	Compound	RT	Ion1Area	Ion2Area	RRF	Ratio	Pred R	S/N 1	SNFlag	EMPC	Int.1	Int.2	pg
1	23478-PeCDF	31.39	1.669e4	1.174e4	0.911	1.42	1.55	259.2	YES	NO	bb	bd	2.401
2	12378-PeCDF	30.05	1.657e4	1.122e4	0.845	1.48	1.55	247.1	YES	NO	bb	bb	2.455

HF

	Compound	RT	Ion1Area	Ion2Area	RRF	Ratio	Pred R	S/N 1	SNFlag	EMPC	Int.1	Int.2	pg
1	123789-HxCDF	37.02	1.293e4	1.008e4	1.187	1.28	1.24	239.4	YES	NO	bd	bb	2.372
2	234678-HxCDF	36.00	1.543e4	1.155e4	1.229	1.34	1.24	292.0	YES	NO	bd	bb	2.421
3	123678-HxCDF	35.14	1.636e4	1.318e4	1.248	1.24	1.24	291.7	YES	NO	dd	db	2.443
4	123478-HxCDF	35.01	1.544e4	1.249e4	1.182	1.24	1.24	274.0	YES	NO	bd	bd	2.494

HPF

	Compound	RT	Ion1Area	Ion2Area	RRF	Ratio	Pred R	S/N 1	SNFlag	EMPC	Int.1	Int.2	pg
1	1234789-HpCDF	41.11	1.117e4	1.059e4	1.165	1.05	1.05	147.3	YES	NO	bb	bb	2.411
2	Total-heptafurans	39.52	8.567e2	9.013e2	1.185	0.95	1.05	12.7	YES	NO	bb	bb	0.178
3	1234678-HpCDF	38.86	1.439e4	1.337e4	1.204	1.08	1.05	220.8	YES	NO	bb	bd	2.577

ID: CS1CR, Name: 23020105, Date: 01-Feb-2023, Time: 15:28:53, Conditions: AUTOSPEC01, User: pk

Furans,TF,PP,PF,HF,HPF,OF

	Compound	RT	Ion1Area	Ion2Area	RRF	Ratio	Pred R	S/N 1	SNFlag	EMPC	Int.1	Int.2	pg
1	2378-TCDF	25.90	3.165e3	3.812e3	0.876	0.83	0.77	60.4	YES	NO	db	bb	0.501
2	23478-PeCDF	31.39	1.669e4	1.174e4	0.911	1.42	1.55	259.2	YES	NO	bb	bd	2.401
3	12378-PeCDF	30.05	1.657e4	1.122e4	0.845	1.48	1.55	247.1	YES	NO	bb	bb	2.455
4	123789-HxCDF	37.02	1.293e4	1.008e4	1.187	1.28	1.24	239.4	YES	NO	bd	bb	2.372
5	234678-HxCDF	36.00	1.543e4	1.155e4	1.229	1.34	1.24	292.0	YES	NO	bd	bb	2.421
6	123678-HxCDF	35.14	1.636e4	1.318e4	1.248	1.24	1.24	291.7	YES	NO	dd	db	2.443
7	123478-HxCDF	35.01	1.544e4	1.249e4	1.182	1.24	1.24	274.0	YES	NO	bd	bd	2.494
8	1234789-HpCDF	41.11	1.117e4	1.059e4	1.165	1.05	1.05	147.3	YES	NO	bb	bb	2.411
9	Total-heptafurans	39.52	8.567e2	9.013e2	1.185	0.95	1.05	12.7	YES	NO	bb	bb	0.178
10	1234678-HpCDF	38.86	1.439e4	1.337e4	1.204	1.08	1.05	220.8	YES	NO	bb	bd	2.577
11	OCDF	45.37	1.860e4	2.066e4	1.186	0.90	0.89	171.2	YES	NO	bb	bb	5.087

TD

	Compound	RT	Ion1Area	Ion2Area	RRF	Ratio	Pred R	S/N 1	SNFlag	EMPC	Int.1	Int.2	pg
1	Total-tetradioxins	24.26	7.113e1	9.739e1	1.099	0.73	0.77	1.5	NO	NO	bb	bb	0.016
2	2378-TCDD	26.55	2.836e3	3.619e3	1.236	0.78	0.77	33.8	YES	NO	bb	bb	0.538

PD

	Compound	RT	Ion1Area	Ion2Area	RRF	Ratio	Pred R	S/N 1	SNFlag	EMPC	Int.1	Int.2	pg
1	Total-pentadioxins	31.80	1.875e2	1.127e2	1.392	1.66	1.55	3.4	YES	NO	db	db	0.026
2	12378-PeCDD	31.64	1.354e4	8.892e3	1.087	1.52	1.55	178.2	YES	NO	bd	bd	2.535

HD

	Compound	RT	Ion1Area	Ion2Area	RRF	Ratio	Pred R	S/N 1	SNFlag	EMPC	Int.1	Int.2	pg
1	123789-HxCDD	36.61	1.141e4	9.550e3	0.985	1.19	1.24	175.6	YES	NO	bb	bd	2.499
2	123678-HxCDD	36.23	1.193e4	1.017e4	1.021	1.17	1.24	192.4	YES	NO	db	dd	2.523
3	123478-HxCDD	36.12	1.109e4	9.100e3	0.987	1.22	1.24	174.2	YES	NO	bd	bd	2.425

HPD

	Compound	RT	Ion1Area	Ion2Area	RRF	Ratio	Pred R	S/N 1	SNFlag	EMPC	Int.1	Int.2	pg
1	1234678-HpCDD	40.37	1.047e4	1.022e4	1.253	1.02	1.05	180.8	YES	NO	bb	bb	2.439

ID: CS1CR, Name: 23020105, Date: 01-Feb-2023, Time: 15:28:53, Conditions: AUTOSPEC01, User: pk

Dioxins,TD,PD,HD,HPD,OD

	Compound	RT	Ion1Area	Ion2Area	RRF	Ratio	Pred R	S/N 1	SNFlag	EMPC	Int.1	Int.2	pg
1	Total-tetradioxins	24.26	7.113e1	9.739e1	1.099	0.73	0.77	1.5	NO	NO	bb	bb	0.016
2	2378-TCDD	26.55	2.836e3	3.619e3	1.236	0.78	0.77	33.8	YES	NO	bb	bb	0.538
3	Total-pentadioxins	31.80	1.875e2	1.127e2	1.392	1.66	1.55	3.4	YES	NO	db	db	0.026
4	12378-PeCDD	31.64	1.354e4	8.892e3	1.087	1.52	1.55	178.2	YES	NO	bd	bd	2.535
5	123789-HxCDD	36.61	1.141e4	9.550e3	0.985	1.19	1.24	175.6	YES	NO	bb	bd	2.499
6	123678-HxCDD	36.23	1.193e4	1.017e4	1.021	1.17	1.24	192.4	YES	NO	db	dd	2.523
7	123478-HxCDD	36.12	1.109e4	9.100e3	0.987	1.22	1.24	174.2	YES	NO	bd	bd	2.425
8	1234678-HpCDD	40.37	1.047e4	1.022e4	1.253	1.02	1.05	180.8	YES	NO	bb	bb	2.439
9	OCDD	45.13	2.025e4	2.243e4	1.103	0.90	0.89	329.8	YES	NO	bb	bb	5.948

TotalTEQ,Furans,Dioxins

	Compound	RT	Ion1Area	Ion2Area	RRF	Ratio	Pred R	S/N 1	SNFlag	EMPC	Int.1	Int.2	pg
1	2378-TCDF	25.90	3.165e3	3.812e3	0.876	0.83	0.77	60.4	YES	NO	db	bb	0.501
2	23478-PeCDF	31.39	1.669e4	1.174e4	0.911	1.42	1.55	259.2	YES	NO	bb	bd	2.401
3	12378-PeCDF	30.05	1.657e4	1.122e4	0.845	1.48	1.55	247.1	YES	NO	bb	bb	2.455
4	123789-HxCDF	37.02	1.293e4	1.008e4	1.187	1.28	1.24	239.4	YES	NO	bd	bb	2.372
5	234678-HxCDF	36.00	1.543e4	1.155e4	1.229	1.34	1.24	292.0	YES	NO	bd	bb	2.421
6	123678-HxCDF	35.14	1.636e4	1.318e4	1.248	1.24	1.24	291.7	YES	NO	dd	db	2.443
7	123478-HxCDF	35.01	1.544e4	1.249e4	1.182	1.24	1.24	274.0	YES	NO	bd	bd	2.494
8	1234789-HpCDF	41.11	1.117e4	1.059e4	1.165	1.05	1.05	147.3	YES	NO	bb	bb	2.411
9	Total-heptafurans	39.52	8.567e2	9.013e2	1.185	0.95	1.05	12.7	YES	NO	bb	bb	0.178
10	1234678-HpCDF	38.86	1.439e4	1.337e4	1.204	1.08	1.05	220.8	YES	NO	bb	bd	2.577
11	OCDF	45.37	1.860e4	2.066e4	1.186	0.90	0.89	171.2	YES	NO	bb	bb	5.087
12	Total-tetradioxins	24.26	7.113e1	9.739e1	1.099	0.73	0.77	1.5	NO	NO	bb	bb	0.016
13	2378-TCDD	26.55	2.836e3	3.619e3	1.236	0.78	0.77	33.8	YES	NO	bb	bb	0.538
14	Total-pentadioxins	31.80	1.875e2	1.127e2	1.392	1.66	1.55	3.4	YES	NO	db	db	0.026
15	12378-PeCDD	31.64	1.354e4	8.892e3	1.087	1.52	1.55	178.2	YES	NO	bd	bd	2.535
16	123789-HxCDD	36.61	1.141e4	9.550e3	0.985	1.19	1.24	175.6	YES	NO	bb	bd	2.499
17	123678-HxCDD	36.23	1.193e4	1.017e4	1.021	1.17	1.24	192.4	YES	NO	db	dd	2.523
18	123478-HxCDD	36.12	1.109e4	9.100e3	0.987	1.22	1.24	174.2	YES	NO	bd	bd	2.425
19	1234678-HpCDD	40.37	1.047e4	1.022e4	1.253	1.02	1.05	180.8	YES	NO	bb	bb	2.439
20	OCDD	45.13	2.025e4	2.243e4	1.103	0.90	0.89	329.8	YES	NO	bb	bb	5.948

ID: CS1CR, Name: 23020105, Date: 01-Feb-2023, Time: 15:28:53, Conditions: AUTOSPEC01, User: pk

PFK1

	Compound	RT	Ion1Area	Ion2Area	RRF	Ratio	Pred R	S/N 1	SNFlag	EMPC	Int.1	Int.2	pg
1	FUNCTION1 PFK	22.24	1.348e6					15.3	YES		dd		
2	FUNCTION1 PFK	22.18	4.644e5					16.9	YES		dd		
3	FUNCTION1 PFK	22.16	1.313e6					16.6	YES		dd		
4	FUNCTION1 PFK	21.98	1.487e6					20.5	YES		dd		
5	FUNCTION1 PFK	21.88	1.450e6					22.1	YES		dd		
6	FUNCTION1 PFK	21.72	1.801e6					24.8	YES		dd		
7	FUNCTION1 PFK	21.60	1.955e6					26.8	YES		dd		
8	FUNCTION1 PFK	21.39	6.532e6					30.5	YES		dd		
9	FUNCTION1 PFK	21.12	3.552e6					35.4	YES		bd		
10	FUNCTION1 PFK	24.35	3.975e3					0.4	NO		bb		
11	FUNCTION1 PFK	24.08	2.445e4					0.9	NO		bb		
12	FUNCTION1 PFK	23.89	1.855e4					1.0	NO		bb		
13	FUNCTION1 PFK	23.81	2.526e4					1.3	NO		bb		
14	FUNCTION1 PFK	23.73	2.606e4					1.2	NO		db		
15	FUNCTION1 PFK	23.63	3.953e4					0.9	NO		bd		
16	FUNCTION1 PFK	23.40	1.725e4					0.8	NO		db		
17	FUNCTION1 PFK	23.36	2.281e4					0.8	NO		bd		
18	FUNCTION1 PFK	23.28	4.142e4					1.3	NO		bb		
19	FUNCTION1 PFK	23.08	3.989e4					1.2	NO		db		
20	FUNCTION1 PFK	23.01	5.719e4					2.6	NO		dd		
21	FUNCTION1 PFK	22.78	6.498e5					6.6	YES		dd		
22	FUNCTION1 PFK	22.62	7.070e5					9.1	YES		dd		
23	FUNCTION1 PFK	22.51	7.554e5					10.8	YES		dd		
24	FUNCTION1 PFK	22.43	4.428e5					12.6	YES		dd		
25	FUNCTION1 PFK	22.39	4.834e5					13.1	YES		dd		
26	FUNCTION1 PFK	26.44	1.834e4					0.9	NO		bb		
27	FUNCTION1 PFK	26.31	1.630e4					0.8	NO		db		
28	FUNCTION1 PFK	26.24	2.476e4					1.0	NO		bd		
29	FUNCTION1 PFK	26.17	2.817e4					1.0	NO		bb		
30	FUNCTION1 PFK	26.03	3.473e4					1.3	NO		db		
31	FUNCTION1 PFK	25.97	2.971e4					1.1	NO		dd		
32	FUNCTION1 PFK	25.90	2.965e4					1.4	NO		bd		
33	FUNCTION1 PFK	25.84	6.319e3					0.7	NO		bb		
34	FUNCTION1 PFK	25.76	2.805e4					1.0	NO		db		
35	FUNCTION1 PFK	25.69	1.550e4					0.7	NO		bd		
36	FUNCTION1 PFK	25.43	1.865e4					0.8	NO		bb		
37	FUNCTION1 PFK	25.29	2.496e4					1.2	NO		bb		

ID: CS1CR, Name: 23020105, Date: 01-Feb-2023, Time: 15:28:53, Conditions: AUTOSPEC01, User: pk

PFK1

	Compound	RT	Ion1Area	Ion2Area	RRF	Ratio	Pred R	S/N 1	SNFlag	EMPC	Int.1	Int.2	pg
38	FUNCTION1 PFK	25.16	1.218e4					0.7	NO		bb		
39	FUNCTION1 PFK	24.90	4.251e4					1.2	NO		bb		
40	FUNCTION1 PFK	24.82	9.911e3					0.6	NO		bb		
41	FUNCTION1 PFK	24.70	1.084e4					0.7	NO		bb		
42	FUNCTION1 PFK	28.13	1.191e4					0.5	NO		bb		
43	FUNCTION1 PFK	28.06	1.157e4					0.7	NO		bb		
44	FUNCTION1 PFK	27.94	2.880e4					1.2	NO		bb		
45	FUNCTION1 PFK	27.73	2.725e4					1.2	NO		db		
46	FUNCTION1 PFK	27.65	2.104e4					0.9	NO		bd		
47	FUNCTION1 PFK	27.53	9.466e3					0.5	NO		bb		
48	FUNCTION1 PFK	27.45	2.859e4					0.9	NO		db		
49	FUNCTION1 PFK	27.32	3.854e4					1.1	NO		bd		
50	FUNCTION1 PFK	27.18	2.011e4					0.9	NO		db		
51	FUNCTION1 PFK	27.11	5.101e4					1.6	NO		dd		
52	FUNCTION1 PFK	27.05	7.101e4					1.7	NO		dd		
53	FUNCTION1 PFK	26.97	2.738e4					1.1	NO		bd		
54	FUNCTION1 PFK	26.85	5.698e3					0.5	NO		bb		
55	FUNCTION1 PFK	26.79	9.173e3					0.6	NO		bb		
56	FUNCTION1 PFK	26.65	1.932e4					1.0	NO		bb		
57	FUNCTION1 PFK	26.50	1.249e4					0.8	NO		bb		

PFK2

	Compound	RT	Ion1Area	Ion2Area	RRF	Ratio	Pred R	S/N 1	SNFlag	EMPC	Int.1	Int.2	pg
1													

ID: CS1CR, Name: 23020105, Date: 01-Feb-2023, Time: 15:28:53, Conditions: AUTOSPEC01, User: pk

PFK3

	Compound	RT	Ion1Area	Ion2Area	RRF	Ratio	Pred R	S/N 1	SNFlag	EMPC	Int.1	Int.2	pg
1	FUNCTION3 PFK	35.28	1.720e4					1.2	NO		bb		0.000
2	FUNCTION3 PFK	35.17	3.494e4					1.4	NO		bb		0.000
3	FUNCTION3 PFK	35.02	1.498e4					0.7	NO		bb		0.000
4	FUNCTION3 PFK	34.97	2.068e4					1.6	NO		db		0.000
5	FUNCTION3 PFK	34.92	3.898e4					1.7	NO		bd		0.000
6	FUNCTION3 PFK	34.84	3.344e4					2.0	NO		db		0.000
7	FUNCTION3 PFK	34.79	4.044e4					2.0	NO		bd		0.000
8	FUNCTION3 PFK	34.56	1.848e4					1.0	NO		bb		0.000
9	FUNCTION3 PFK	34.43	3.131e3					0.6	NO		bb		0.000
10	FUNCTION3 PFK	33.97	1.059e4					1.1	NO		bb		0.000
11	FUNCTION3 PFK	33.91	7.198e3					0.6	NO		bb		0.000
12	FUNCTION3 PFK	33.77	2.029e4					1.1	NO		bb		0.000
13	FUNCTION3 PFK	33.51	2.578e4					1.1	NO		bb		0.000
14	FUNCTION3 PFK	33.23	2.194e3					0.4	NO		bb		0.000
15	FUNCTION3 PFK	37.66	2.055e4					1.5	NO		db		0.000
16	FUNCTION3 PFK	37.61	1.552e4					1.3	NO		bd		0.000
17	FUNCTION3 PFK	37.55	2.721e4					1.4	NO		bb		0.000
18	FUNCTION3 PFK	37.30	3.274e4					1.5	NO		bb		0.000
19	FUNCTION3 PFK	36.81	9.296e3					0.9	NO		bb		0.000
20	FUNCTION3 PFK	36.47	5.665e3					0.6	NO		bb		0.000
21	FUNCTION3 PFK	36.37	1.213e4					0.9	NO		bb		0.000
22	FUNCTION3 PFK	35.99	5.368e3					0.6	NO		bb		0.000
23	FUNCTION3 PFK	35.72	2.308e3					0.4	NO		bb		0.000
24	FUNCTION3 PFK	35.61	2.395e3					0.4	NO		bb		0.000
25	FUNCTION3 PFK	35.56	8.733e3					0.7	NO		bb		0.000

ID: CS1CR, Name: 23020105, Date: 01-Feb-2023, Time: 15:28:53, Conditions: AUTOSPEC01, User: pk

PFK4

	Compound	RT	Ion1Area	Ion2Area	RRF	Ratio	Pred R	S/N 1	SNFlag	EMPC	Int.1	Int.2	pg
1	FUNCTION4 PFK	38.48	1.749e3					0.5	NO		bb		
2	FUNCTION4 PFK	38.35	9.022e3					0.9	NO		bb		
3	FUNCTION4 PFK	38.24	3.875e3					0.6	NO		bb		
4	FUNCTION4 PFK	38.13	2.737e4					1.8	NO		bb		
5	FUNCTION4 PFK	41.33	1.294e4					1.5	NO		bd		
6	FUNCTION4 PFK	41.23	4.010e4					1.6	NO		db		
7	FUNCTION4 PFK	41.09	3.801e4					1.9	NO		bd		
8	FUNCTION4 PFK	40.99	2.136e4					1.8	NO		bb		
9	FUNCTION4 PFK	40.59	8.289e3					0.7	NO		bb		
10	FUNCTION4 PFK	40.23	3.985e3					0.6	NO		bb		
11	FUNCTION4 PFK	39.88	1.184e3					0.3	NO		bb		
12	FUNCTION4 PFK	39.83	1.945e3					0.5	NO		bb		
13	FUNCTION4 PFK	39.52	8.163e3					1.0	NO		bb		
14	FUNCTION4 PFK	39.21	1.232e3					0.3	NO		bb		
15	FUNCTION4 PFK	39.07	1.853e4					1.3	NO		db		
16	FUNCTION4 PFK	38.94	5.337e4					2.0	NO		dd		
17	FUNCTION4 PFK	38.87	1.627e4					1.6	NO		dd		
18	FUNCTION4 PFK	38.84	1.863e4					1.8	NO		bd		
19	FUNCTION4 PFK	38.69	3.030e4					2.1	NO		bb		
20	FUNCTION4 PFK	38.54	2.688e3					0.5	NO		bb		
21	FUNCTION4 PFK	42.75	7.635e3					1.1	NO		bb		
22	FUNCTION4 PFK	42.65	3.824e3					0.5	NO		db		
23	FUNCTION4 PFK	42.62	3.380e3					0.6	NO		bd		
24	FUNCTION4 PFK	42.55	8.483e3					1.1	NO		bb		
25	FUNCTION4 PFK	42.45	5.962e3					0.8	NO		db		
26	FUNCTION4 PFK	42.40	5.418e3					0.7	NO		bd		
27	FUNCTION4 PFK	42.27	7.694e3					0.9	NO		bb		
28	FUNCTION4 PFK	42.10	9.463e3					1.2	NO		db		
29	FUNCTION4 PFK	42.05	1.039e4					1.1	NO		bd		
30	FUNCTION4 PFK	41.81	3.060e3					0.9	NO		bb		
31	FUNCTION4 PFK	41.77	4.237e3					0.7	NO		bb		
32	FUNCTION4 PFK	41.71	3.440e3					0.6	NO		bb		
33	FUNCTION4 PFK	41.67	1.592e3					0.4	NO		bb		
34	FUNCTION4 PFK	41.57	2.688e4					1.3	NO		bb		
35	FUNCTION4 PFK	41.37	1.425e4					1.5	NO		db		

ID: CS1CR, Name: 23020105, Date: 01-Feb-2023, Time: 15:28:53, Conditions: AUTOSPEC01, User: pk

PFK5

	Compound	RT	Ion1Area	Ion2Area	RRF	Ratio	Pred R	S/N 1	SNFlag	EMPC	Int.1	Int.2	pg
1	FUNCTION5 PFK	46.31	4.706e3					1.2	NO		bb		
2	FUNCTION5 PFK	46.25	4.425e3					1.1	NO		bb		
3	FUNCTION5 PFK	46.16	2.646e3					0.9	NO		bb		
4	FUNCTION5 PFK	46.03	5.117e3					1.5	NO		db		
5	FUNCTION5 PFK	46.01	6.487e3					1.4	NO		bd		
6	FUNCTION5 PFK	45.67	8.229e3					1.3	NO		bb		
7	FUNCTION5 PFK	45.46	1.002e3					0.5	NO		bb		
8	FUNCTION5 PFK	45.18	2.741e3					0.8	NO		db		
9	FUNCTION5 PFK	45.15	2.119e3					0.7	NO		bd		
10	FUNCTION5 PFK	44.83	3.811e3					1.2	NO		bb		
11	FUNCTION5 PFK	44.20	1.148e4					1.5	NO		bb		
12	FUNCTION5 PFK	44.06	5.518e3					1.3	NO		bb		
13	FUNCTION5 PFK	44.02	1.106e3					0.6	NO		bb		
14	FUNCTION5 PFK	43.71	1.195e4					1.8	NO		bb		
15	FUNCTION5 PFK	43.46	1.476e3					0.8	NO		bb		
16	FUNCTION5 PFK	43.39	1.169e4					1.4	NO		bb		
17	FUNCTION5 PFK	46.43	1.400e3					0.7	NO		bb		

ETHERS1

	Compound	RT	Ion1Area	Ion2Area	RRF	Ratio	Pred R	S/N 1	SNFlag	EMPC	Int.1	Int.2	pg
1	FUNCTION1 HXCD...	27.97	1.637e2					3.3	YES		bb		0.000
2	FUNCTION1 HXCD...	27.23	1.144e2					2.0	NO		bb		0.000
3	FUNCTION1 HXCD...	26.82	1.144e2					2.2	NO		bb		0.000
4	FUNCTION1 HXCD...	25.91	1.100e2					2.2	NO		bb		0.000
5	FUNCTION1 HXCD...	25.23	1.805e2					5.5	YES		bb		0.000
6	FUNCTION1 HXCD...	24.26	1.341e2					2.3	NO		bb		0.000
7	FUNCTION1 HXCD...	24.08	1.268e2					1.9	NO		bb		0.000
8	FUNCTION1 HXCD...	23.43	1.602e2					2.4	NO		bb		0.000
9	FUNCTION1 HXCD...	22.78	1.018e2					1.8	NO		bb		0.000
10	FUNCTION1 HXCD...	22.39	1.626e2					2.8	NO		bb		0.000
11	FUNCTION1 HXCD...	22.06	1.129e2					2.5	NO		bb		0.000
12	FUNCTION1 HXCD...	21.53	1.052e2					1.2	NO		db		0.000
13	FUNCTION1 HXCD...	21.36	9.992e1					1.3	NO		bd		0.000
14	FUNCTION1 HXCD...	21.16	1.410e2					2.5	NO		bb		0.000

ID: CS1CR, Name: 23020105, Date: 01-Feb-2023, Time: 15:28:53, Conditions: AUTOSPEC01, User: pk

ETHERS2

	Compound	RT	Ion1Area	Ion2Area	RRF	Ratio	Pred R	S/N 1	SNFlag	EMPC	Int.1	Int.2	pg
1	FUNCTION1 HPCD...	28.16	7.208e1					2.1	NO		bb		0.000
2	FUNCTION1 HPCD...	27.42	1.038e2					2.0	NO		db		0.000
3	FUNCTION1 HPCD...	27.27	1.034e2					2.2	NO		bd		0.000
4	FUNCTION1 HPCD...	25.70	1.308e2					1.7	NO		bb		0.000
5	FUNCTION1 HPCD...	24.05	1.613e2					1.7	NO		bb		0.000
6	FUNCTION1 HPCD...	22.59	1.423e2					2.0	NO		bb		0.000
7	FUNCTION1 HPCD...	22.39	1.496e2					3.4	YES		bb		0.000

ETHERS3

	Compound	RT	Ion1Area	Ion2Area	RRF	Ratio	Pred R	S/N 1	SNFlag	EMPC	Int.1	Int.2	pg
1	FUNCTION2 HPCD...	30.14	1.080e2					1.8	NO		db		0.000
2	FUNCTION2 HPCD...	30.05	1.026e2					1.8	NO		bd		0.000
3	FUNCTION2 HPCD...	28.74	8.165e1					1.9	NO		bb		0.000

ETHERS4

	Compound	RT	Ion1Area	Ion2Area	RRF	Ratio	Pred R	S/N 1	SNFlag	EMPC	Int.1	Int.2	pg
1	FUNCTION3 OCDPE	36.11	9.641e1					2.4	NO		db		0.000
2	FUNCTION3 OCDPE	36.03	1.029e2					1.5	NO		bd		0.000
3	FUNCTION3 OCDPE	34.77	8.096e1					1.2	NO		bb		0.000
4	FUNCTION3 OCDPE	37.01	1.018e2					2.8	NO		bb		0.000
5	FUNCTION3 OCDPE	36.73	1.470e2					3.1	YES		bb		0.000
6	FUNCTION3 OCDPE	36.60	1.766e2					3.1	YES		bb		0.000
7	FUNCTION3 OCDPE	36.22	1.214e2					2.7	NO		bb		0.000

ETHERS5

	Compound	RT	Ion1Area	Ion2Area	RRF	Ratio	Pred R	S/N 1	SNFlag	EMPC	Int.1	Int.2	pg
1	FUNCTION4 NCDPE	40.34	9.946e1					2.4	NO		bb		0.000
2	FUNCTION4 NCDPE	39.96	9.057e1					2.5	NO		bb		0.000

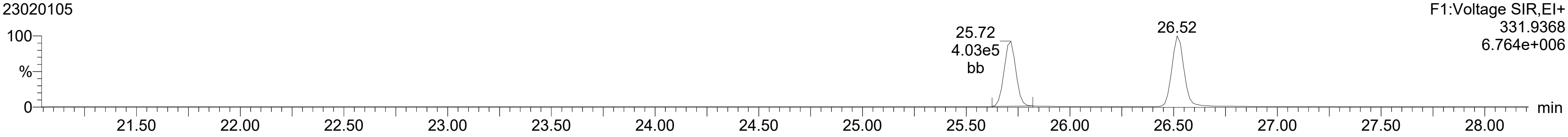
ETHERS6

	Compound	RT	Ion1Area	Ion2Area	RRF	Ratio	Pred R	S/N 1	SNFlag	EMPC	Int.1	Int.2	pg
1													

Method: T:\Autospec\Methods\Dioxin230131IH.mdb 03 Feb 2023 10:31:33
Calibration: 03 Feb 2023 10:33:40

ID: CS1CR, Name: 23020105, Date: 01-Feb-2023, Time: 15:28:53, Conditions: AUTOSPEC01, User: pk

13C-1234-TCDD



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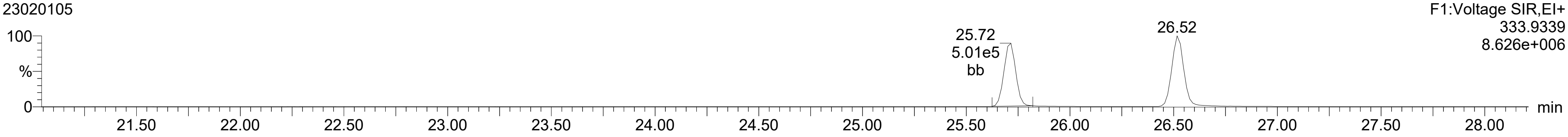
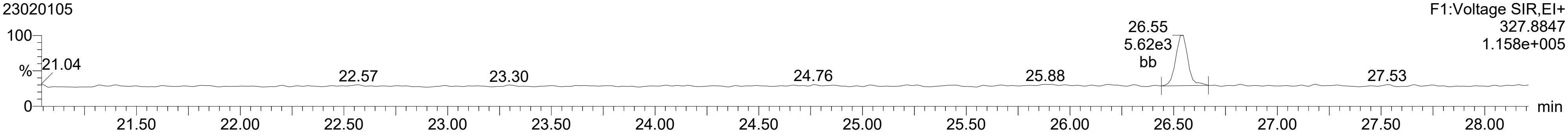


37CL-2378-TCDD



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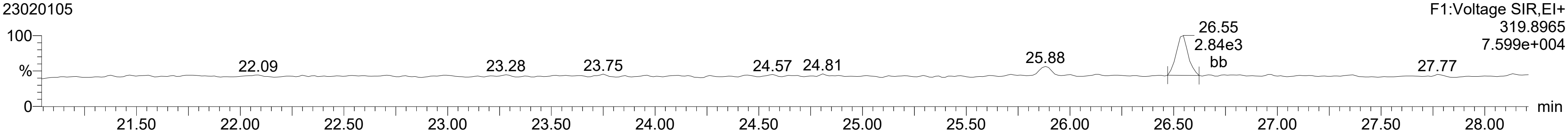

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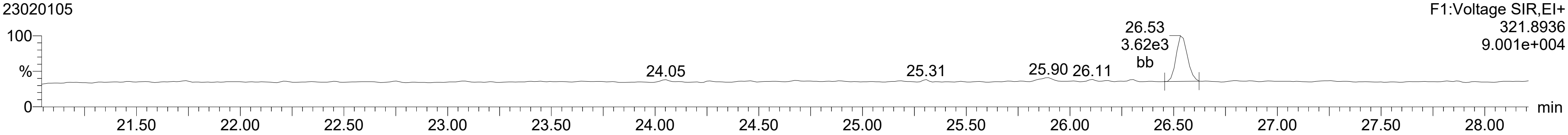

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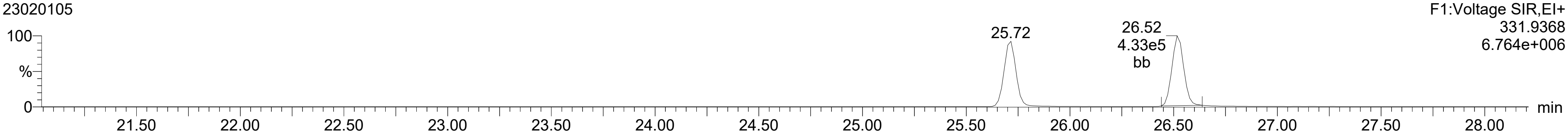

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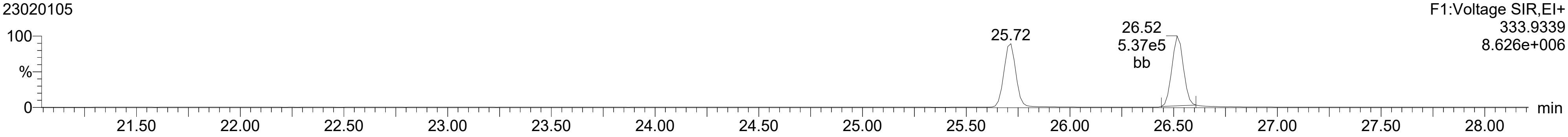

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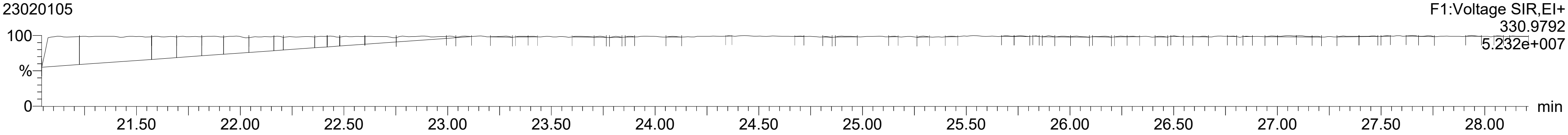

ID: CS1CR, Name: 23020105, Date: 01-Feb-2023, Time: 15:28:53, Conditions: AUTOSPEC01, User: pk

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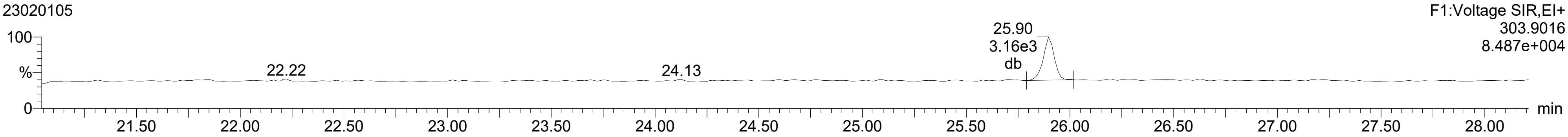

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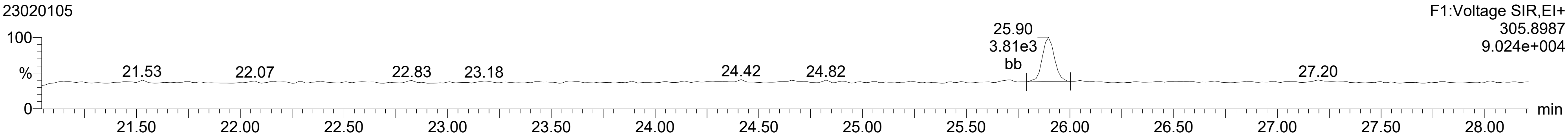

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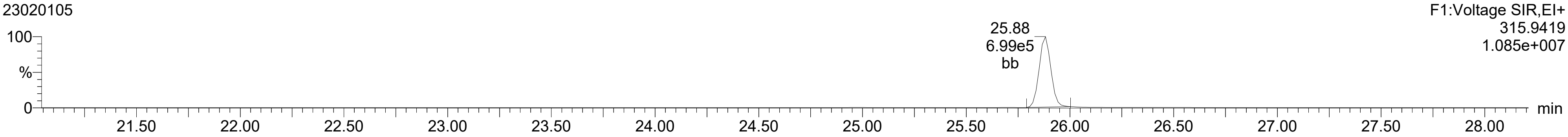

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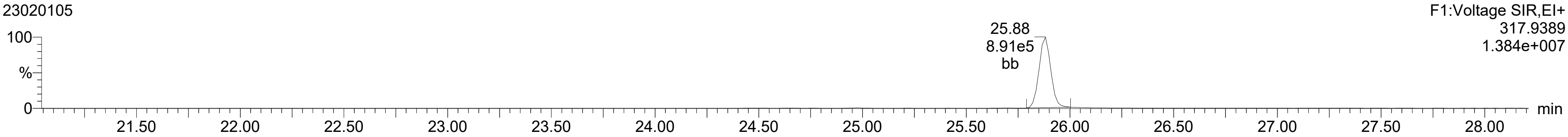

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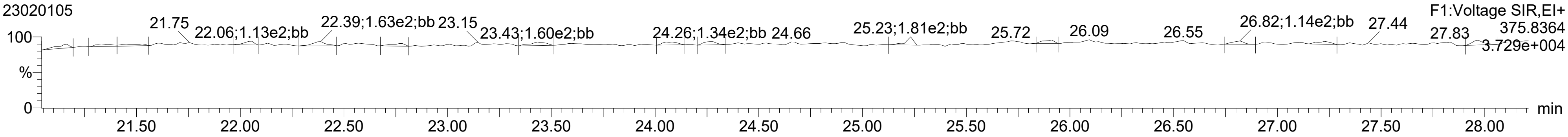

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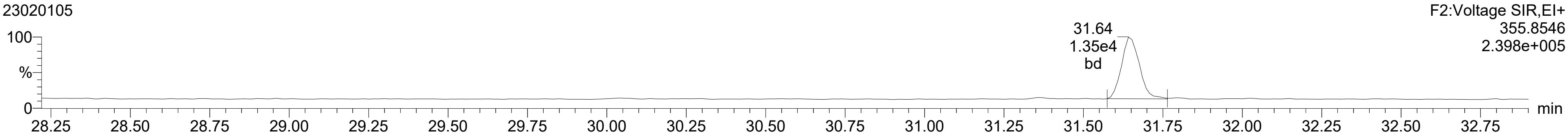
12378-PeCDD



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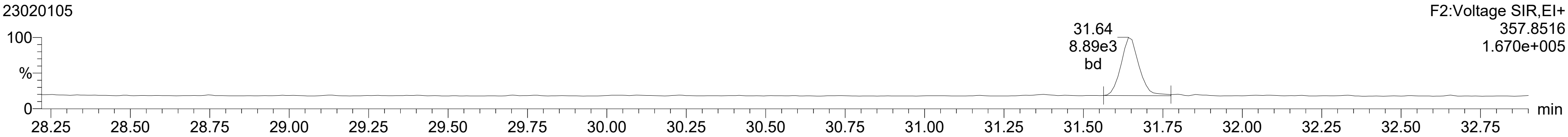

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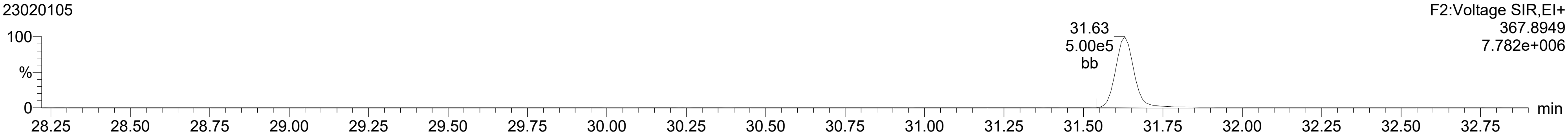

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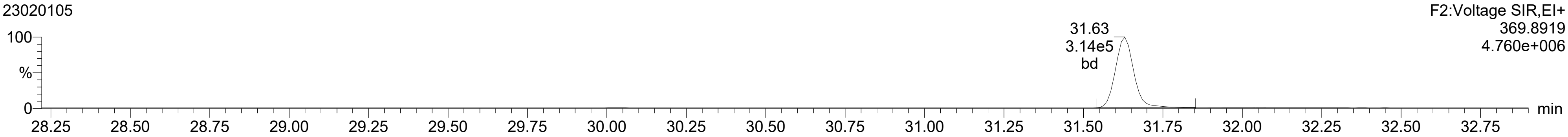

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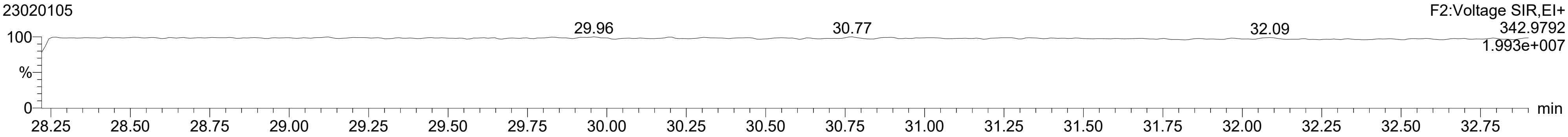

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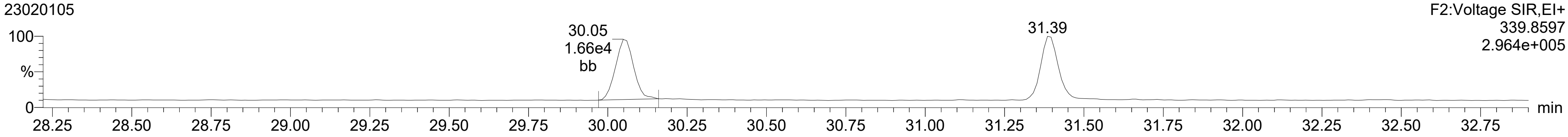

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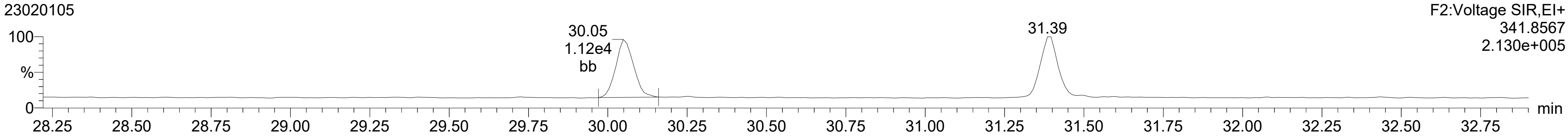

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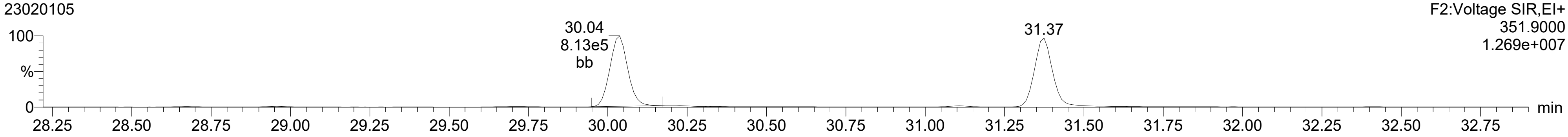

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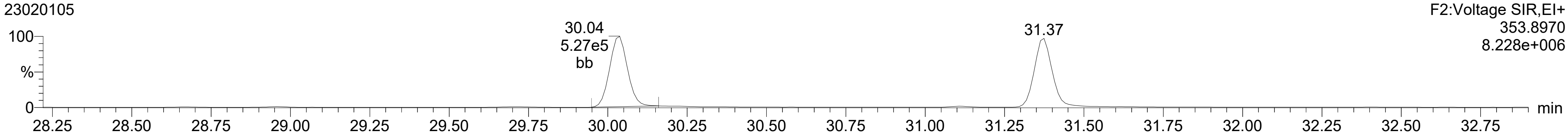

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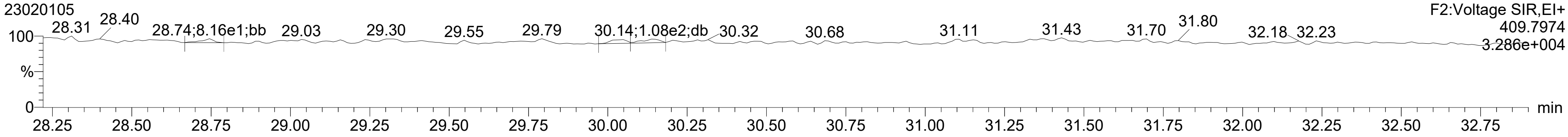

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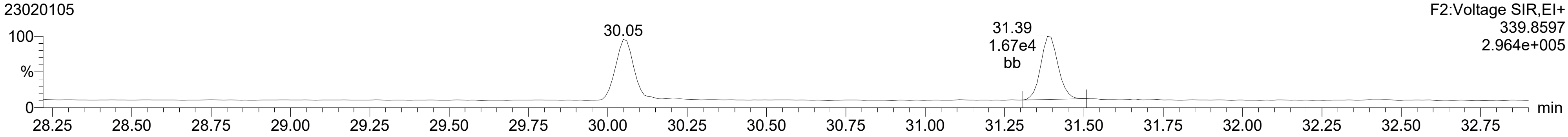

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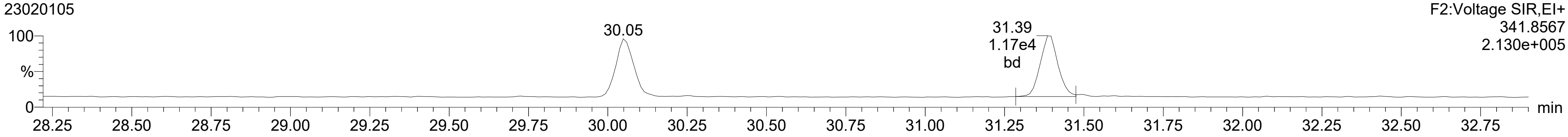

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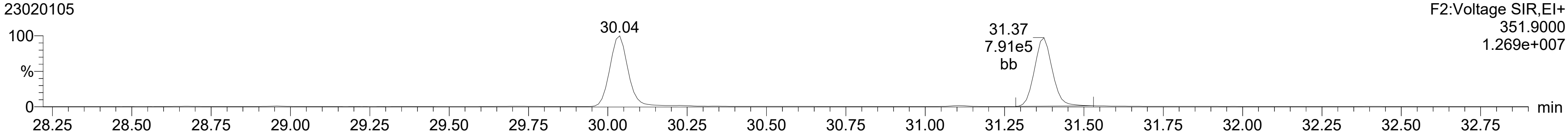

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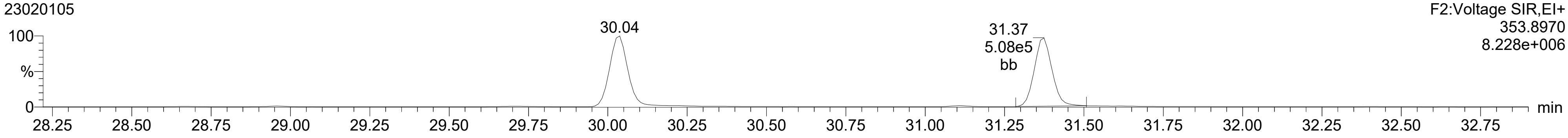

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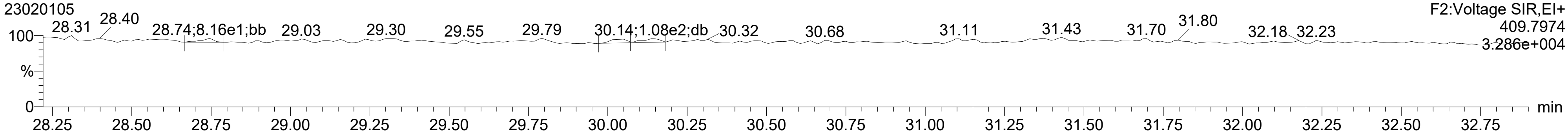

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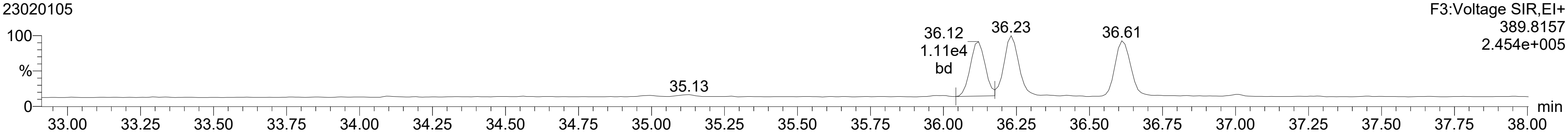

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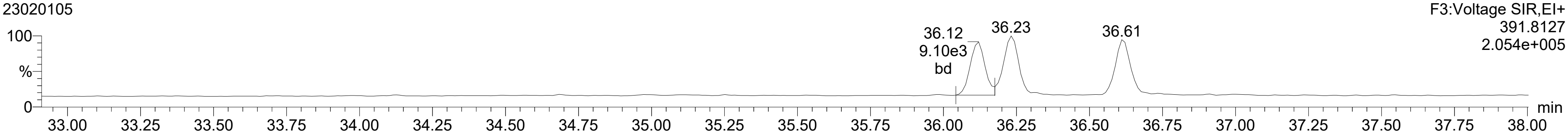

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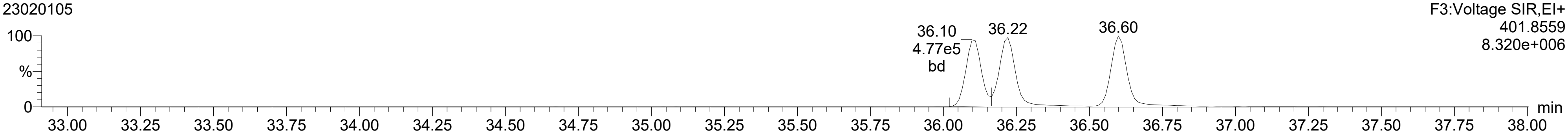

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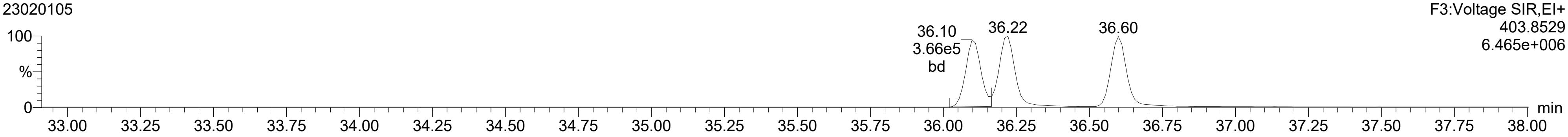

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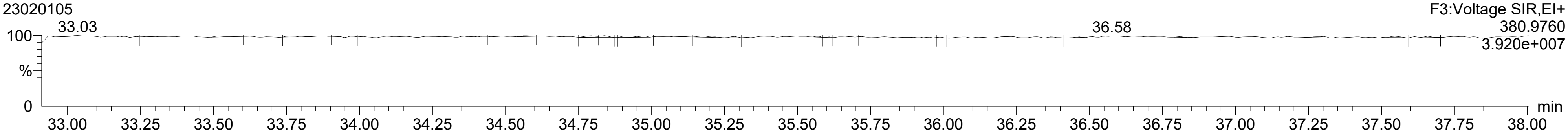

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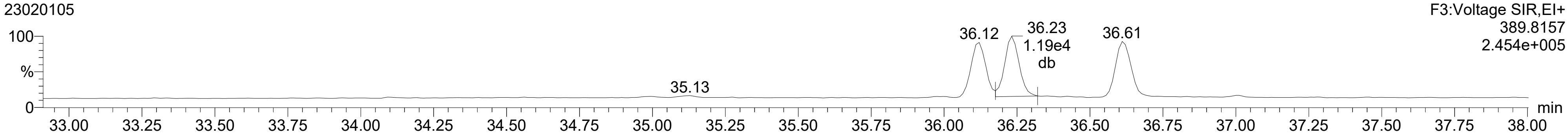

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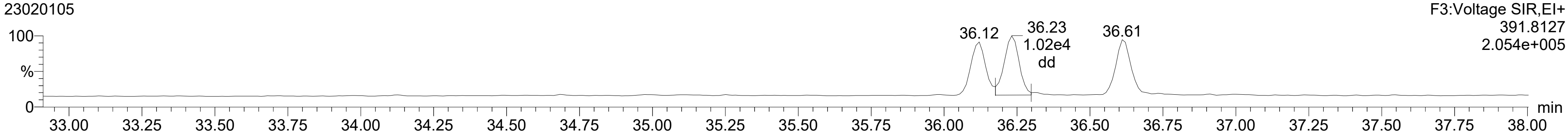

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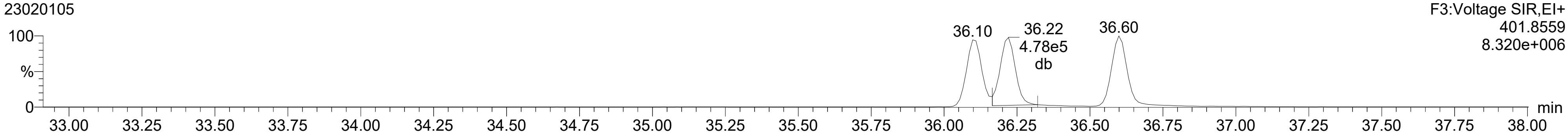

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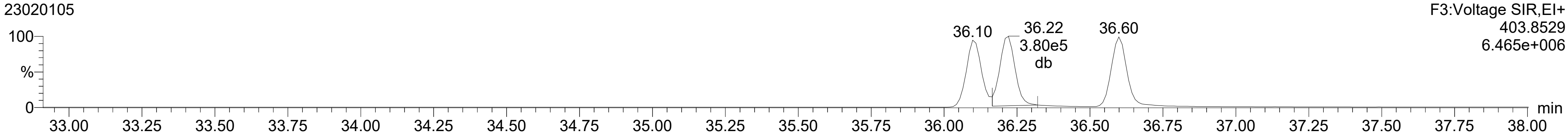

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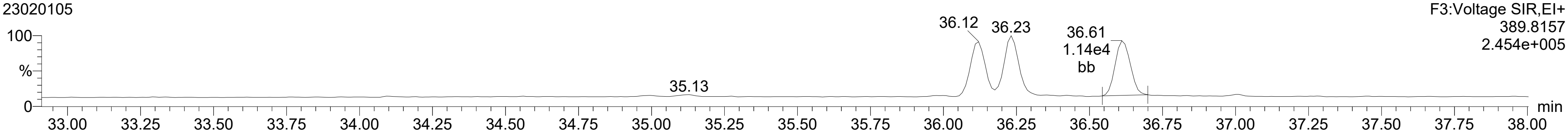

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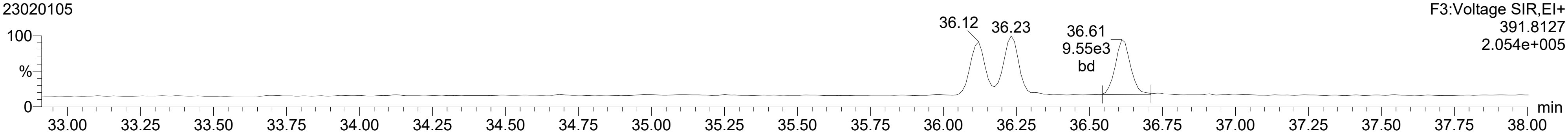

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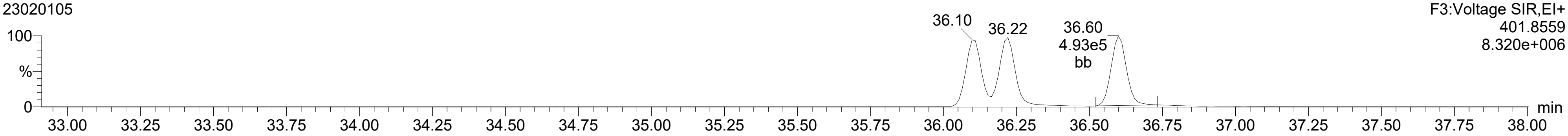

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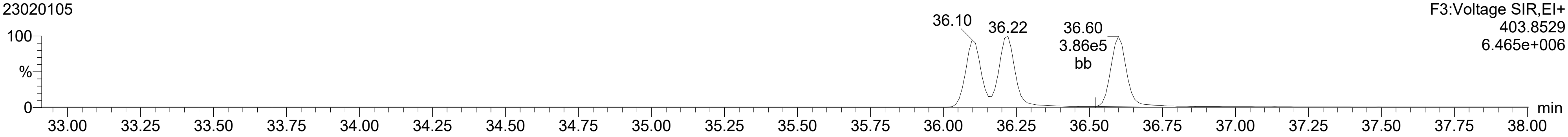

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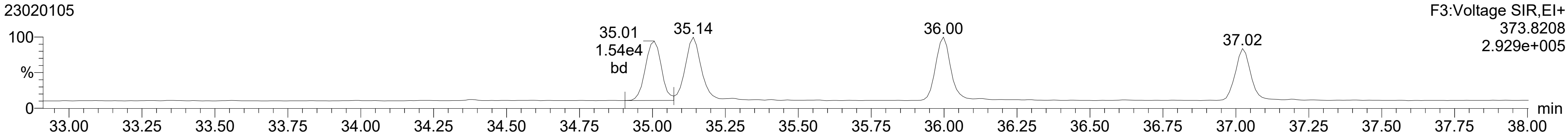

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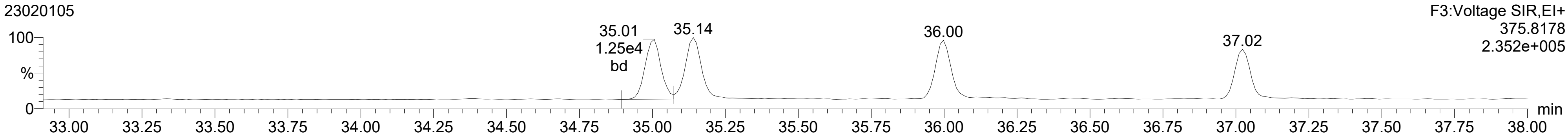

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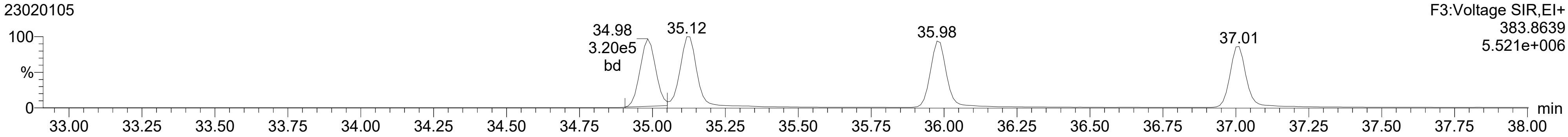

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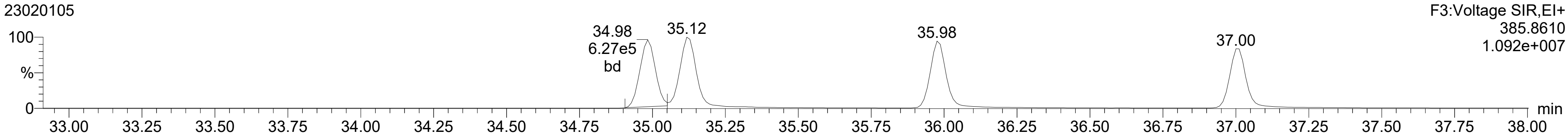

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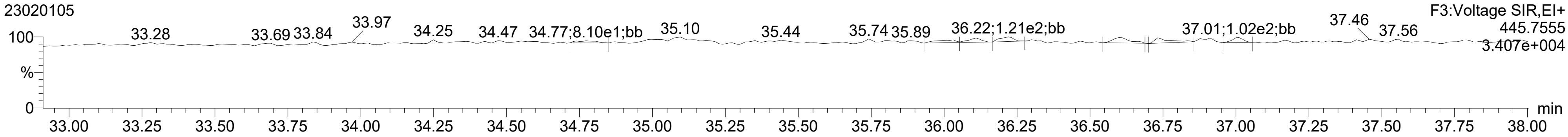

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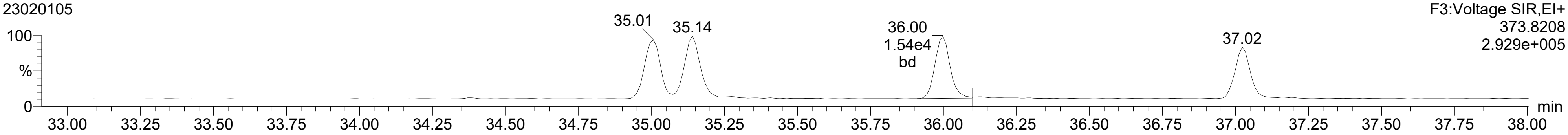

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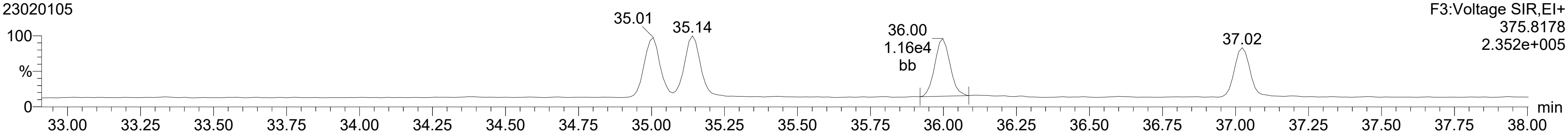

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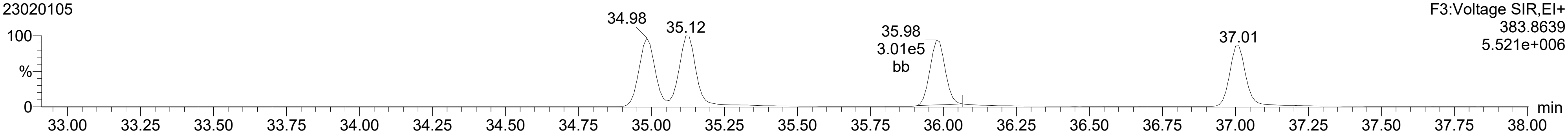

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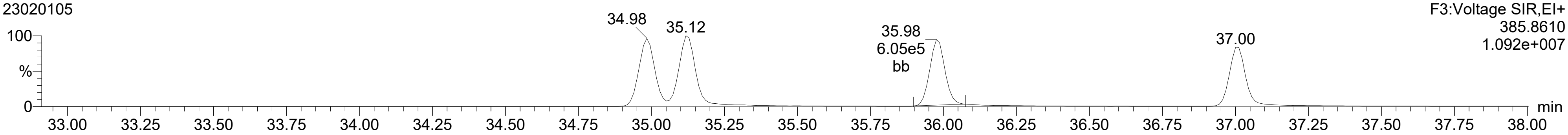

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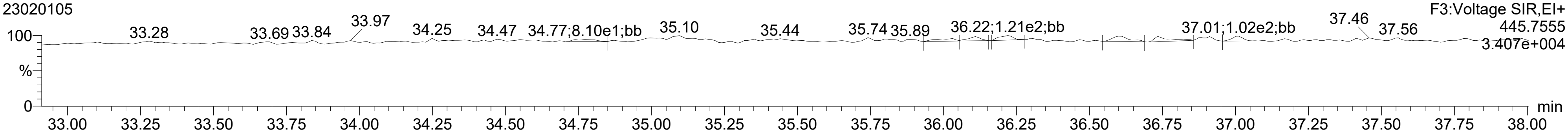

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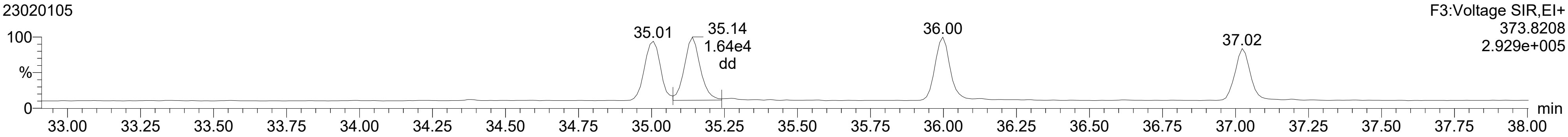

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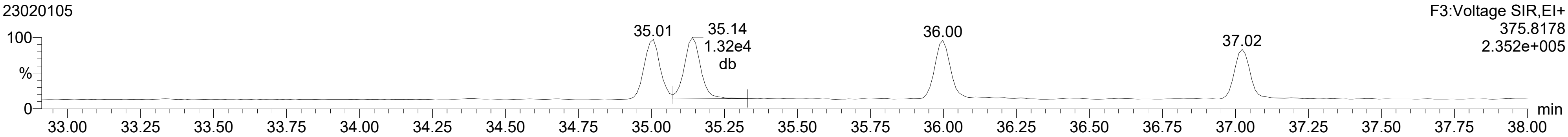

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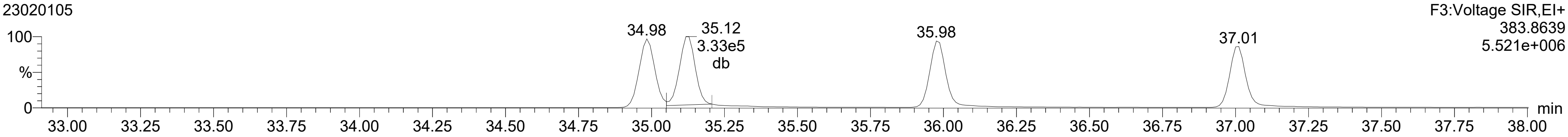

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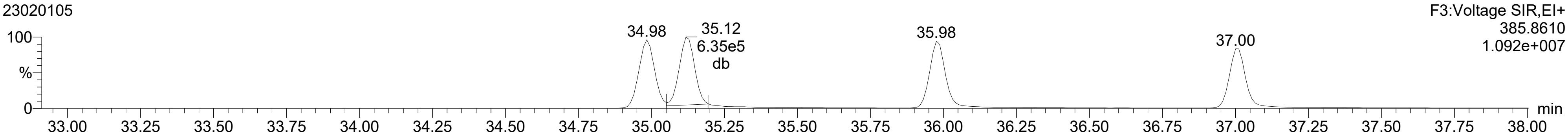

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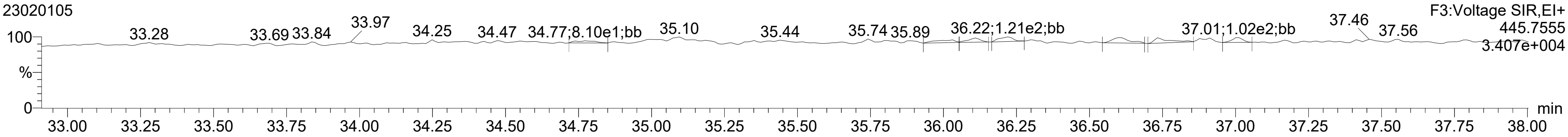

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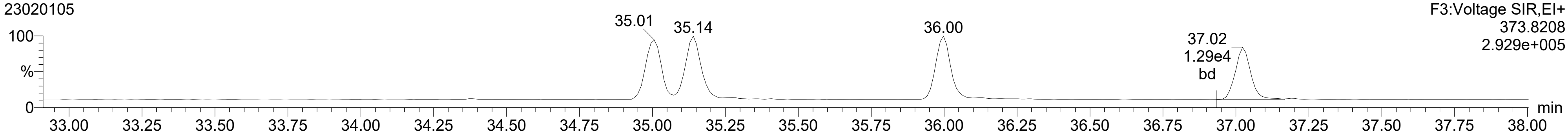

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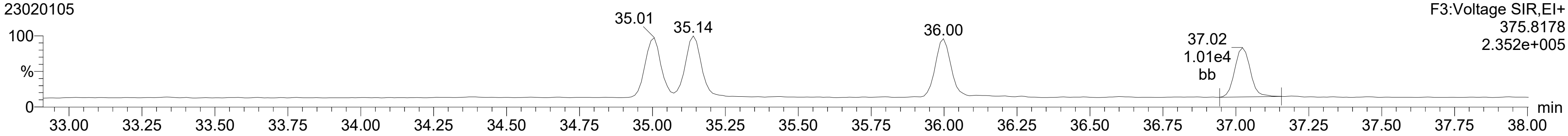

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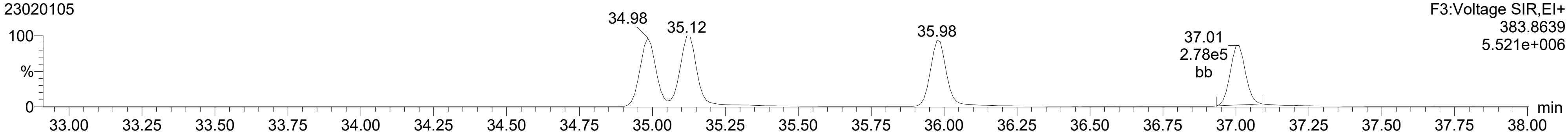

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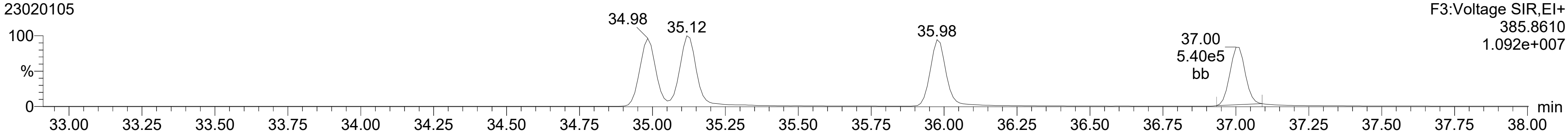

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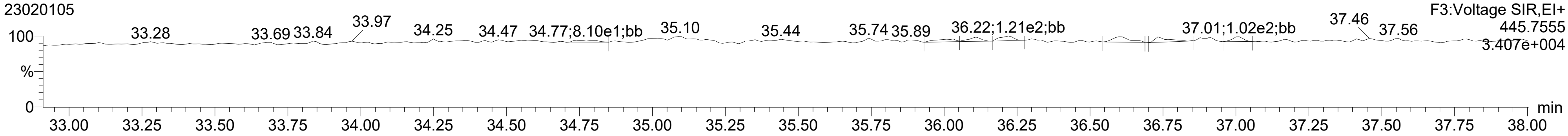

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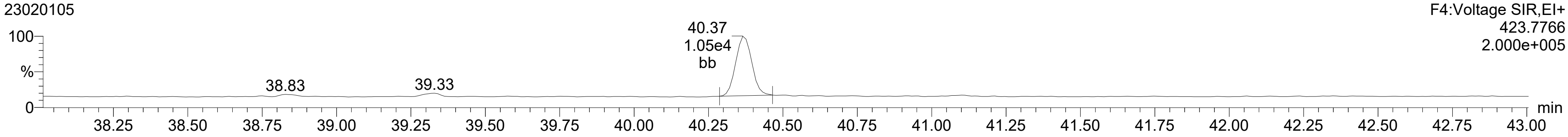

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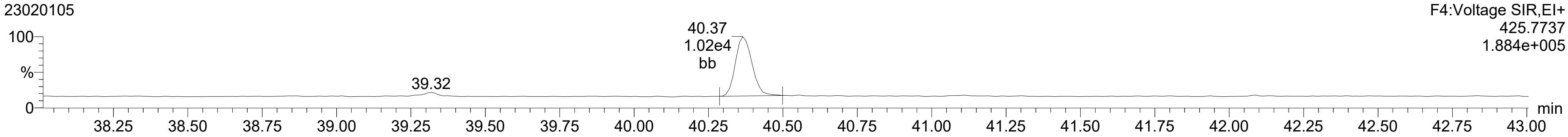

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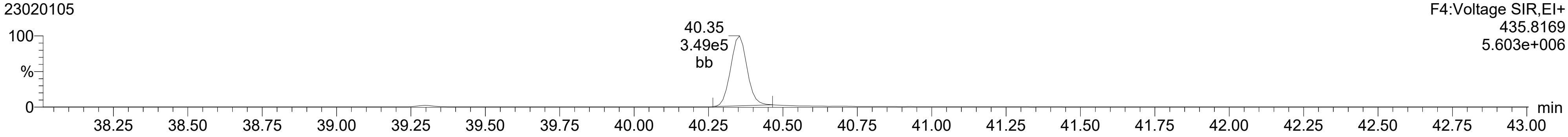

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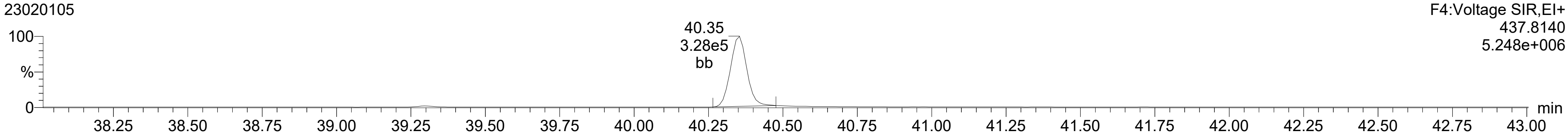

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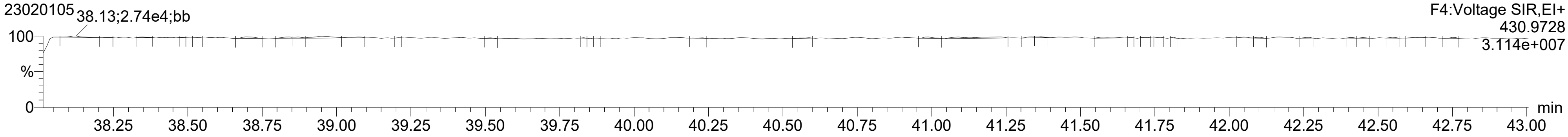

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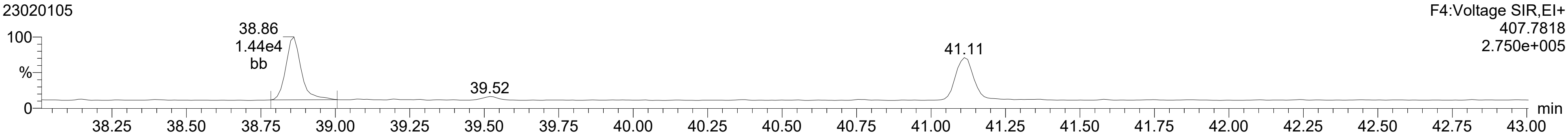

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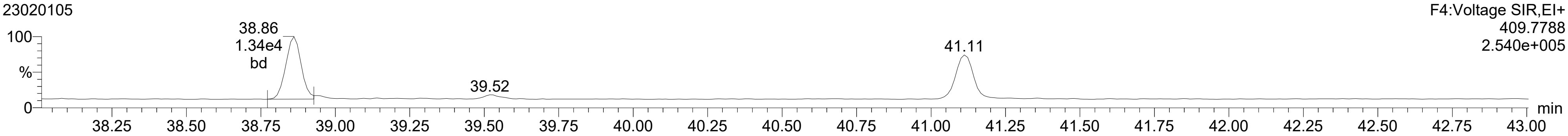

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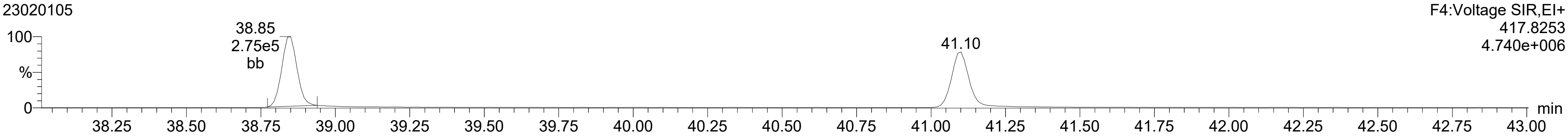

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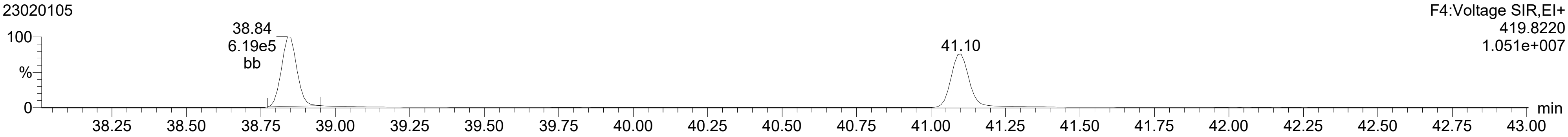

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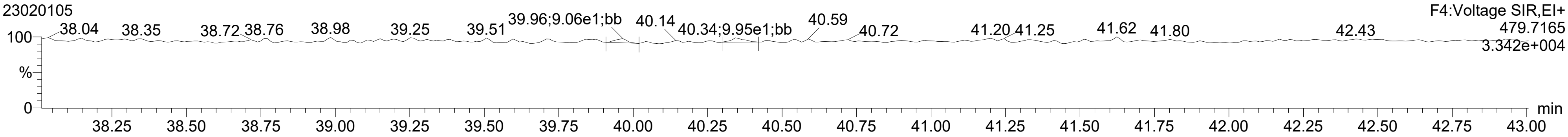

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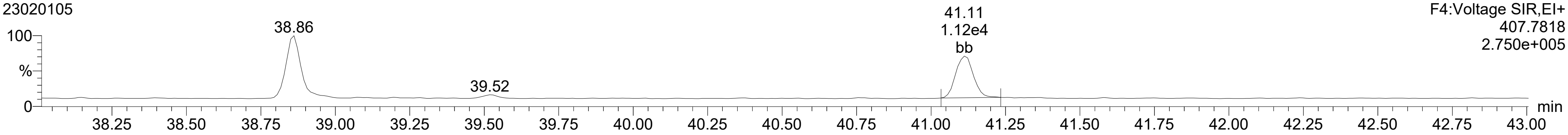

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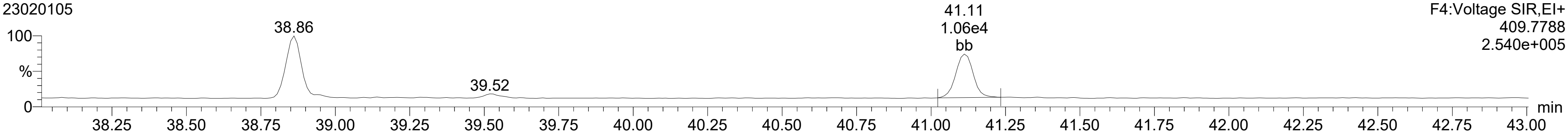

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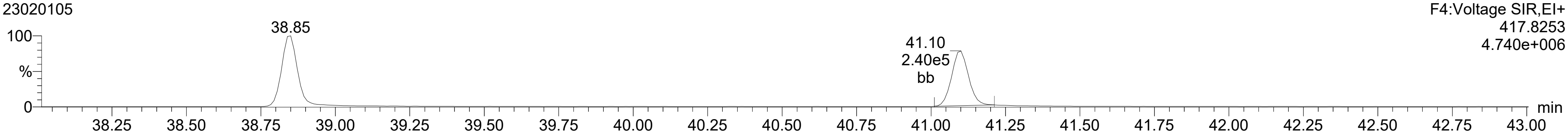

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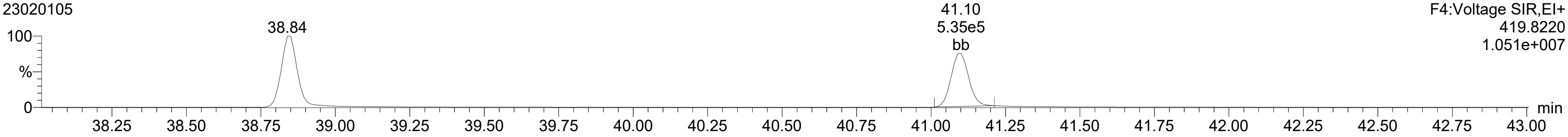

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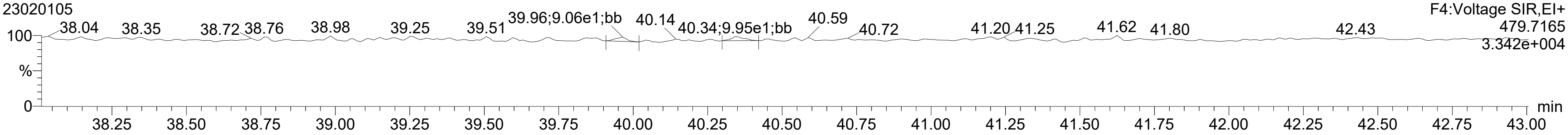

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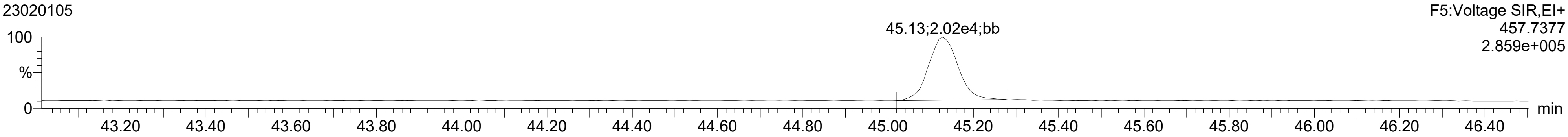

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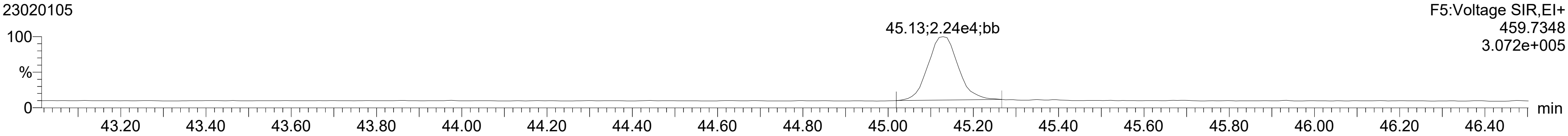
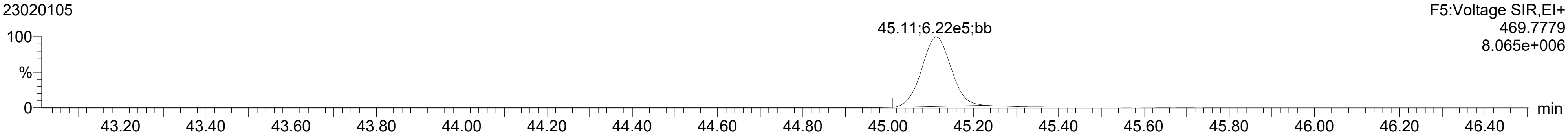
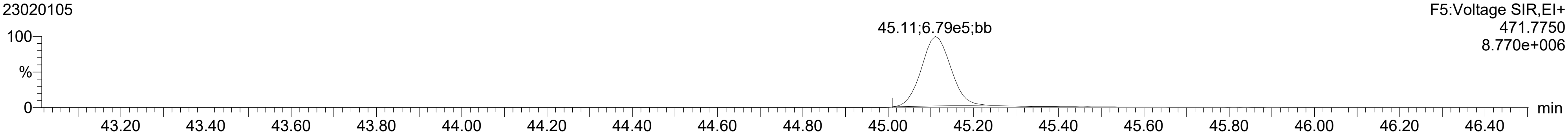


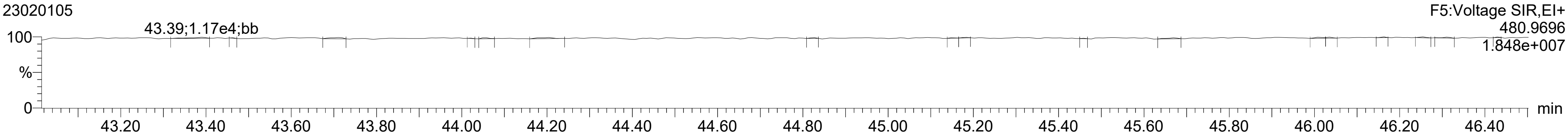
13C-OCDD



13C-OCDD

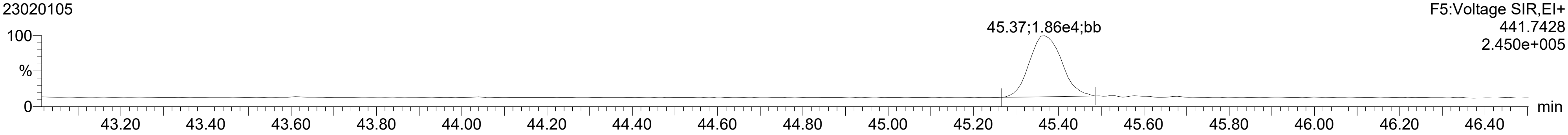


FUNCTION5 PFK

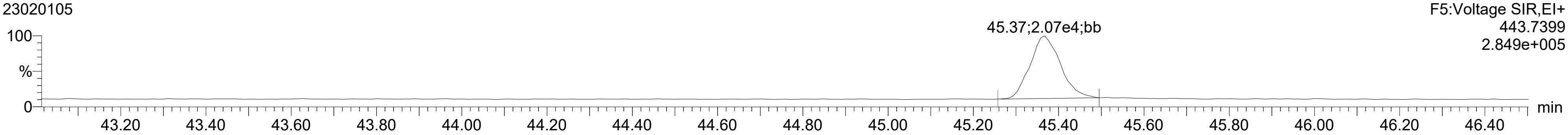


ID: CS1CR, Name: 23020105, Date: 01-Feb-2023, Time: 15:28:53, Conditions: AUTOSPEC01, User: pk

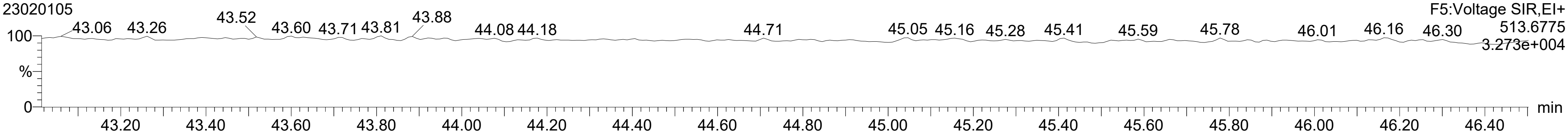
OCDF



OCDF

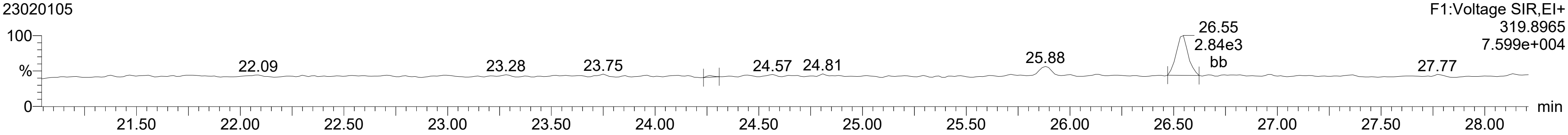


FUNCTION5 DCDPE

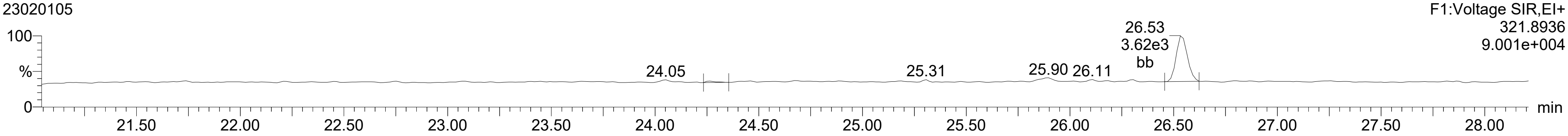


ID: CS1CR, Name: 23020105, Date: 01-Feb-2023, Time: 15:28:53, Conditions: AUTOSPEC01, User: pk

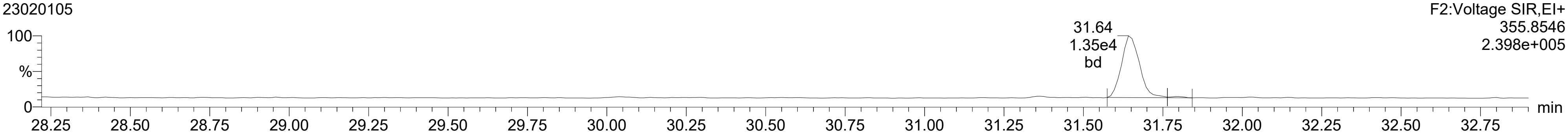
Total-tetradioxins



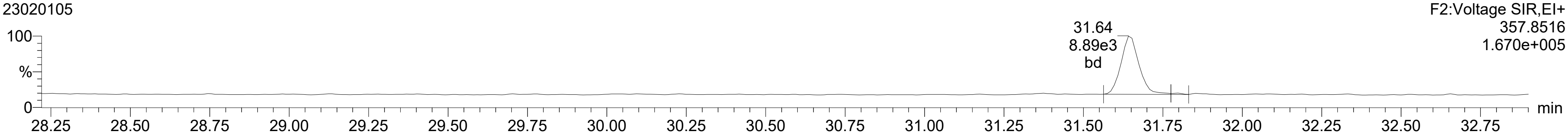
Total-tetradioxins



Total-pentadioxins



Total-pentadioxins



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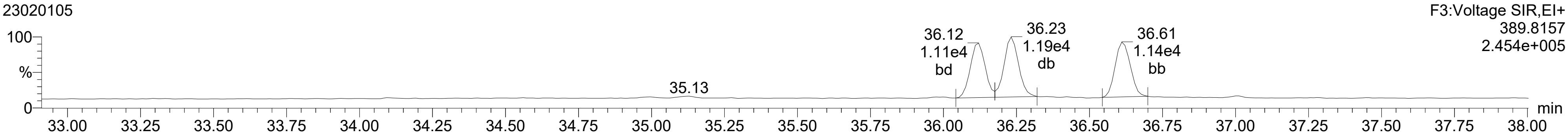
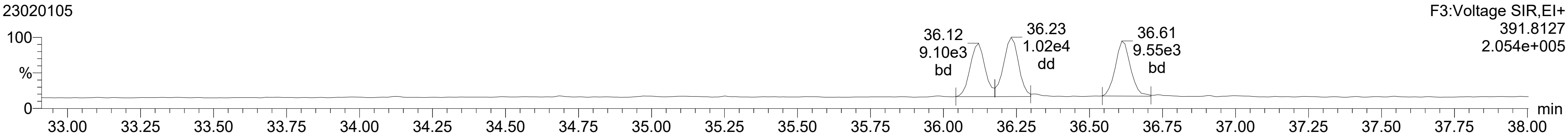
Total-hexadioxins



Total-hexadioxins



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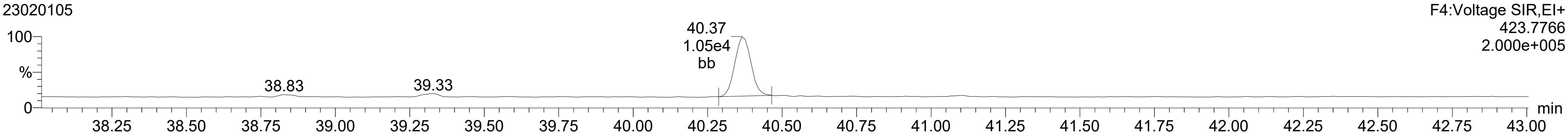
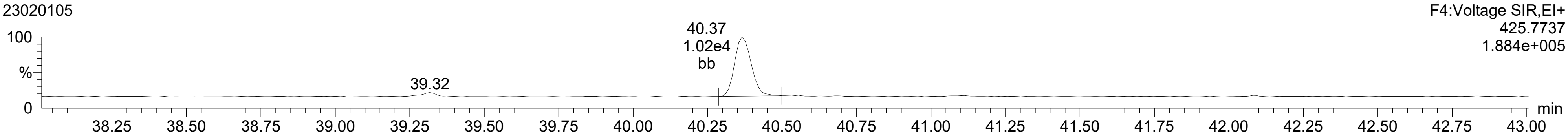
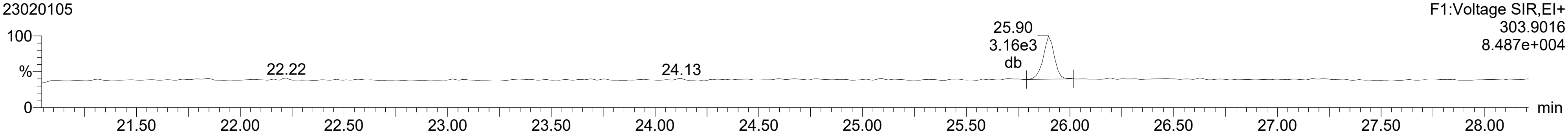


Total-heptadioxins

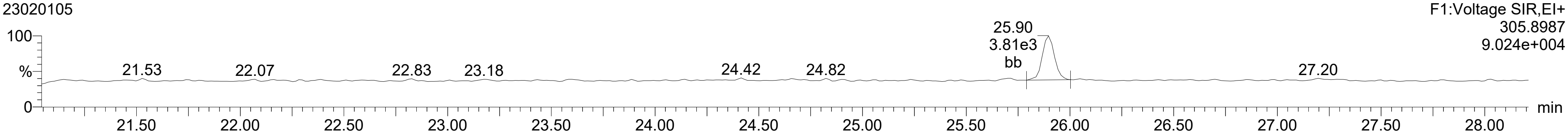


ID: CS1CR, Name: 23020105, Date: 01-Feb-2023, Time: 15:28:53, Conditions: AUTOSPEC01, User: pk

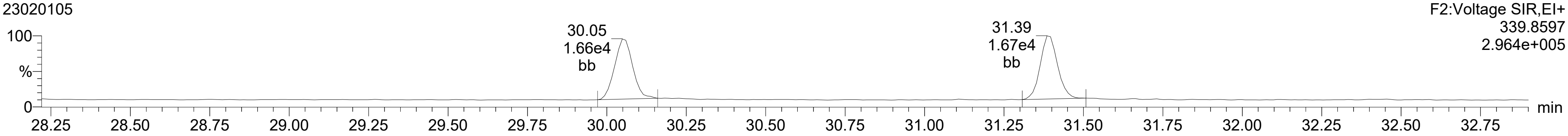
Total-tetrafurans



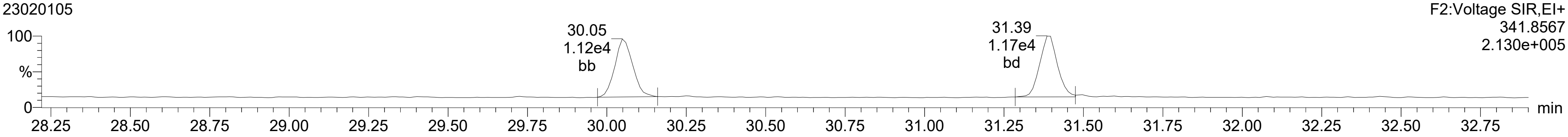
Total-tetrafurans



Total-pentafurans

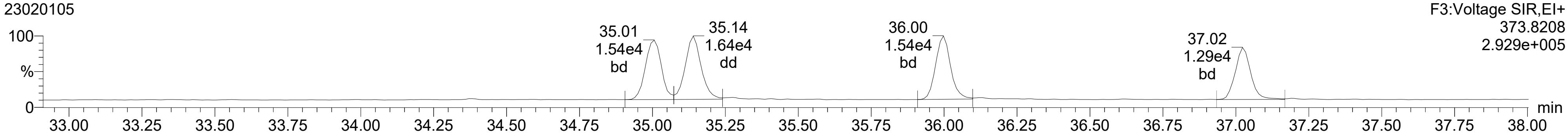


Total-pentafurans

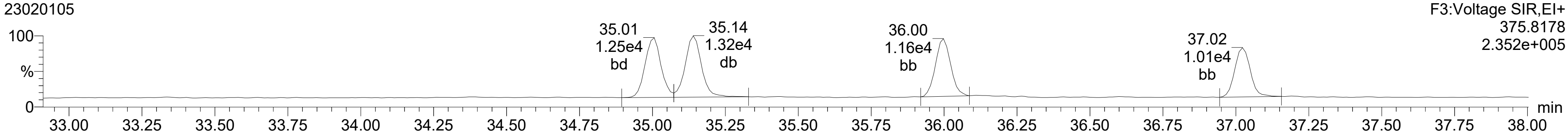


ID: CS1CR, Name: 23020105, Date: 01-Feb-2023, Time: 15:28:53, Conditions: AUTOSPEC01, User: pk

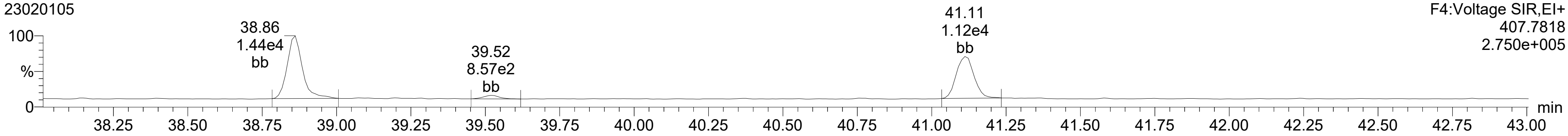
Total-hexafurans



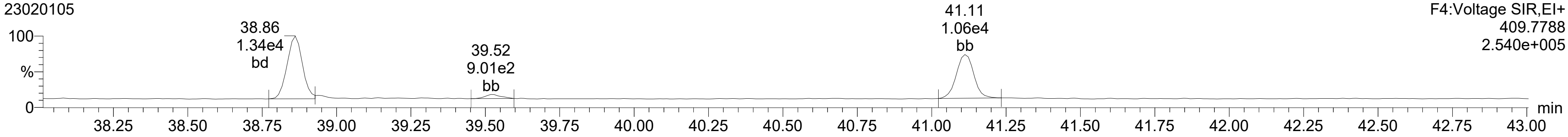
Total-hexafurans



Total-heptafurans



Total-heptafurans



Method: T:\Autospec\Methods\Dioxin230131IH.mdb 03 Feb 2023 10:31:33
Calibration: 03 Feb 2023 10:33:40

ID: CS2CR, Name: 23020106, Date: 01-Feb-2023, Time: 17:07:07, Conditions: AUTOSPEC01, User: pk

Compound	RT	RRT	Ion1Area	Ion2Area	RRF	Ratio	Pred R	Noise 1	Noise 2	Height 1	Height 2	S/N 1	S/N 2	EMPC	Int.1	Int.2	pg
2378-TCDF	25.897	1.001	1.375e4	1.851e4	0.876	0.743	0.770	838	1562	2.10e5	2.76e5	250.5	176.4	NO	bb	bb	1.973
12378-PeCDF	30.059	1.001	8.384e4	5.404e4	0.845	1.551	1.550	1494	1842	1.30e6	8.45e5	870.6	458.6	NO	bd	bd	10.086
23478-PeCDF	31.396	1.001	8.811e4	5.691e4	0.911	1.548	1.550	1494	1842	1.31e6	8.58e5	880.0	466.0	NO	dd	bd	10.430
123478-HxCDF	35.006	1.001	7.445e4	5.785e4	1.182	1.287	1.240	1528	1565	1.21e6	9.52e5	791.3	608.7	NO	bd	bd	9.662
234678-HxCDF	35.998	1.000	7.554e4	5.984e4	1.229	1.262	1.240	1528	1565	1.18e6	9.11e5	774.2	582.4	NO	bd	bd	10.016
123678-HxCDF	35.140	1.000	8.156e4	6.332e4	1.248	1.288	1.240	1528	1565	1.23e6	9.70e5	801.6	619.6	NO	dd	dd	9.876
123789-HxCDF	37.023	1.000	6.616e4	5.058e4	1.187	1.308	1.240	1528	1565	1.05e6	8.18e5	687.4	522.6	NO	bd	bd	9.712
1234678-HpCDF	38.861	1.000	6.989e4	6.457e4	1.204	1.082	1.050	1538	1410	1.20e6	1.09e6	782.0	769.9	NO	bd	bb	9.897
1234789-HpCDF	41.111	1.000	5.916e4	5.737e4	1.165	1.031	1.050	1538	1410	8.45e5	8.21e5	549.5	582.6	NO	bd	bd	10.092
OCDF	45.376	1.006	9.214e4	9.862e4	1.186	0.934	0.890	1525	1454	1.11e6	1.20e6	727.4	823.3	NO	bd	bb	18.863
2378-TCDD	26.547	1.001	1.298e4	1.586e4	1.236	0.818	0.770	817	918	1.95e5	2.41e5	239.3	262.4	NO	bb	bb	2.020
12378-PeCDD	31.653	1.001	6.323e4	4.003e4	1.087	1.579	1.550	957	1113	9.67e5	6.22e5	1010.9	558.7	NO	bb	bb	9.953
123478-HxCDD	36.120	1.000	5.350e4	4.542e4	0.987	1.178	1.240	1419	1111	9.15e5	7.70e5	644.4	692.8	NO	bd	bd	9.967
123678-HxCDD	36.232	1.000	5.670e4	4.717e4	1.021	1.202	1.240	1419	1111	9.21e5	7.75e5	649.0	697.0	NO	db	db	9.657
123789-HxCDD	36.621	1.011	5.462e4	4.396e4	0.985	1.243	1.240	1419	1111	9.23e5	7.40e5	650.4	666.2	NO	bb	bb	9.715
1234678-HpCDD	40.376	1.001	5.329e4	4.930e4	1.253	1.081	1.050	939	1025	8.27e5	7.64e5	880.9	744.9	NO	bd	bb	9.623
OCDD	45.129	1.000	8.911e4	9.822e4	1.103	0.907	0.890	1078	1353	1.09e6	1.23e6	1009.3	912.1	NO	bd	bb	19.929
13C-2378-TCDF	25.882	1.007	8.175e5	1.049e6	1.768	0.779	0.770	2768	1604	1.28e7	1.62e7	4615.3	10118.2	NO	bb	bb	98.406
13C-12378-PeCDF	30.037	1.168	9.651e5	6.534e5	1.527	1.477	1.550	2685	2564	1.52e7	9.92e6	5664.2	3868.0	NO	bb	bd	98.795
13C-23478-PeCDF	31.374	1.220	9.289e5	5.970e5	1.466	1.556	1.550	2685	2564	1.42e7	9.15e6	5285.2	3567.7	NO	bb	bb	97.006
13C-123478-HxCDF	34.984	0.956	3.919e5	7.668e5	1.054	0.511	0.510	2280	2951	6.27e6	1.23e7	2748.9	4152.3	NO	bd	bd	102.036
13C-123678-HxCDF	35.129	0.960	3.972e5	7.782e5	1.080	0.510	0.510	2280	2951	6.52e6	1.27e7	2858.6	4308.7	NO	db	db	100.982
13C-234678-HxCDF	35.987	0.983	3.723e5	7.276e5	1.014	0.512	0.510	2280	2951	6.20e6	1.20e7	2719.4	4079.1	NO	bb	bb	100.611
13C-123789-HxCDF	37.012	1.011	3.411e5	6.719e5	0.928	0.508	0.510	2280	2951	5.87e6	1.14e7	2576.5	3878.0	NO	bb	bb	101.286
13C-1234678-HpCDF	38.850	1.061	3.519e5	7.764e5	1.036	0.453	0.440	2948	3056	6.15e6	1.36e7	2085.9	4456.3	NO	bb	bb	101.034
13C-1234789-HpCDF	41.100	1.123	3.071e5	6.837e5	0.905	0.449	0.440	2948	3056	4.66e6	1.03e7	1581.8	3383.9	NO	bb	bb	101.592
13C-1234-TCDD	25.715	0.000	4.761e5	5.966e5	1.000	0.798	0.770	1722	1260	7.44e6	9.39e6	4318.3	7453.5	NO	bb	bb	100.000
13C-2378-TCDD	26.517	1.031	5.086e5	6.462e5	1.103	0.787	0.770	1722	1260	7.59e6	9.61e6	4407.4	7623.5	NO	bb	bb	97.603
13C-12378-PeCDD	31.631	1.230	5.873e5	3.674e5	0.914	1.599	1.550	1804	1493	9.15e6	5.75e6	5075.5	3848.9	NO	bb	bb	97.357
13C-123478-HxCDD	36.109	0.987	5.695e5	4.361e5	0.933	1.306	1.240	2351	1925	9.66e6	7.35e6	4110.6	3818.4	NO	bd	bd	100.012
13C-123678-HxCDD	36.221	0.990	5.923e5	4.615e5	0.965	1.283	1.240	2351	1925	9.93e6	7.73e6	4224.3	4014.3	NO	db	db	101.353
13C-1234678-HpCDD	40.354	1.103	4.427e5	4.084e5	0.782	1.084	1.050	2415	1836	6.98e6	6.52e6	2888.8	3549.1	NO	bb	bb	100.984
13C-OCDD	45.110	1.232	8.153e5	8.896e5	0.788	0.916	0.890	2586	2058	1.02e7	1.13e7	3959.4	5482.6	NO	bb	bb	200.686
13C-123789-HxCDD	36.599	0.000	5.962e5	4.816e5	1.000	1.238	1.240	2351	1925	9.93e6	8.01e6	4225.3	4157.6	NO	bb	bb	100.000
37CL-2378-TCDD	26.547	1.032	2.594e4		1.233			1770		3.86e5		217.9			bb		1.960

ID: CS2CR, Name: 23020106, Date: 01-Feb-2023, Time: 17:07:07, Conditions: AUTOSPEC01, User: pk

Compound	RT	RRT	Ion1Area	Ion2Area	RRF	Ratio	Pred R	Noise 1	Noise 2	Height 1	Height 2	S/N 1	S/N 2	EMPC	Int.1	Int.2	pg
1368-TCDF					1.064		0.770	838	1562								
1289-TCDF					0.858		0.770	838	1562								
13468-PECDF					1.013		1.550	818	1180								
12389-PECDF					0.844		1.550	1494	1842								
123468-HXCDF					1.197		1.240	1528	1565								
1368-TCDD					1.084		0.770	817	918								
1289-TCDD					0.975		0.770	817	918								
12479-PECDD					1.837		1.550	957	1113								
12389-PECDD					1.252		1.550	957	1113								
124679-HXCDD					1.033		1.240	1419	1111								
1234679-HPCDD					1.286		1.050	939	1025								
Total-tetrafurans			1.375e4		0.933			838		2.10e5							1.973
Total-penta1			0.000e0					818		0.00e0							
Total-pentafurans			1.724e5		0.866			1494		2.63e6							20.570
Total-hexafurans			2.977e5		1.208			1528		4.67e6							39.267
Total-heptafurans			1.291e5		1.185			1538		2.05e6							19.990
Total-Furans			7.051e5		1.067			838		1.07e7							100.663
Total-tetradioxins			1.298e4		1.099			817		1.95e5							2.020
Total-pentadioxins			6.323e4		1.392			957		9.67e5							9.953
Total-hexadioxins			1.650e5		1.007			1419		2.76e6							29.363
Total-heptadioxins			5.329e4		1.269			939		8.27e5							9.623
Total-Dioxins			3.836e5		1.165			817		5.84e6							70.888
Total-TEQ			1.089e6					817		1.65e7							171.552
FUNCTION1 PFK			0.000e0					575758		0.00e0							
FUNCTION2 PFK			0.000e0					203146		0.00e0							
FUNCTION3 PFK			1.946e5					441294		6.25e6							0.000
FUNCTION4 PFK			6.766e5					326212		1.14e7							
FUNCTION5 PFK			7.829e4					177933		3.00e6							
FUNCTION1 HXCD...			6.944e2					716		1.19e4							0.000
FUNCTION1 HPCD...			4.187e2					801		7.47e3							0.000
FUNCTION2 HPCD...			7.244e2					1047		1.53e4							0.000
FUNCTION3 OCDPE			2.025e2					783		3.00e3							0.000
FUNCTION4 NCDPE			5.677e2					836		9.38e3							0.000
FUNCTION5 DCDPE			1.012e2					822		1.66e3							0.000

Method: T:\Autospec\Methods\Dioxin230131IH.mdb 03 Feb 2023 10:31:33
Calibration: 03 Feb 2023 10:33:40

ID: CS2CR, Name: 23020106, Date: 01-Feb-2023, Time: 17:07:07, Conditions: AUTOSPEC01, User: pk

TF

	Compound	RT	Ion1Area	Ion2Area	RRF	Ratio	Pred R	S/N 1	SNFlag	EMPC	Int.1	Int.2	pg
1	2378-TCDF	25.90	1.375e4	1.851e4	0.876	0.74	0.77	250.5	YES	NO	bb	bb	1.973

PP

	Compound	RT	Ion1Area	Ion2Area	RRF	Ratio	Pred R	S/N 1	SNFlag	EMPC	Int.1	Int.2	pg
1													

PF

	Compound	RT	Ion1Area	Ion2Area	RRF	Ratio	Pred R	S/N 1	SNFlag	EMPC	Int.1	Int.2	pg
1	23478-PeCDF	31.40	8.811e4	5.691e4	0.911	1.55	1.55	880.0	YES	NO	dd	bd	10.430
2	Total-pentafurans	30.25	4.556e2	2.766e2	0.866	1.65	1.55	7.1	YES	NO	dd	db	0.054
3	12378-PeCDF	30.06	8.384e4	5.404e4	0.845	1.55	1.55	870.6	YES	NO	bd	bd	10.086

HF

	Compound	RT	Ion1Area	Ion2Area	RRF	Ratio	Pred R	S/N 1	SNFlag	EMPC	Int.1	Int.2	pg
1	234678-HxCDF	36.00	7.554e4	5.984e4	1.229	1.26	1.24	774.2	YES	NO	bd	bd	10.016
2	123678-HxCDF	35.14	8.156e4	6.332e4	1.248	1.29	1.24	801.6	YES	NO	dd	dd	9.876
3	123478-HxCDF	35.01	7.445e4	5.785e4	1.182	1.29	1.24	791.3	YES	NO	bd	bd	9.662
4	123789-HxCDF	37.02	6.616e4	5.058e4	1.187	1.31	1.24	687.4	YES	NO	bd	bd	9.712

HPF

	Compound	RT	Ion1Area	Ion2Area	RRF	Ratio	Pred R	S/N 1	SNFlag	EMPC	Int.1	Int.2	pg
1	1234789-HpCDF	41.11	5.916e4	5.737e4	1.165	1.03	1.05	549.5	YES	NO	bd	bd	10.092
2	1234678-HpCDF	38.86	6.989e4	6.457e4	1.204	1.08	1.05	782.0	YES	NO	bd	bb	9.897

ID: CS2CR, Name: 23020106, Date: 01-Feb-2023, Time: 17:07:07, Conditions: AUTOSPEC01, User: pk

Furans,TF,PP,PF,HF,HPF,OF

	Compound	RT	Ion1Area	Ion2Area	RRF	Ratio	Pred R	S/N 1	SNFlag	EMPC	Int.1	Int.2	pg
1	2378-TCDF	25.90	1.375e4	1.851e4	0.876	0.74	0.77	250.5	YES	NO	bb	bb	1.973
2	23478-PeCDF	31.40	8.811e4	5.691e4	0.911	1.55	1.55	880.0	YES	NO	dd	bd	10.430
3	Total-pentafurans	30.25	4.556e2	2.766e2	0.866	1.65	1.55	7.1	YES	NO	dd	db	0.054
4	12378-PeCDF	30.06	8.384e4	5.404e4	0.845	1.55	1.55	870.6	YES	NO	bd	bd	10.086
5	234678-HxCDF	36.00	7.554e4	5.984e4	1.229	1.26	1.24	774.2	YES	NO	bd	bd	10.016
6	123678-HxCDF	35.14	8.156e4	6.332e4	1.248	1.29	1.24	801.6	YES	NO	dd	dd	9.876
7	123478-HxCDF	35.01	7.445e4	5.785e4	1.182	1.29	1.24	791.3	YES	NO	bd	bd	9.662
8	123789-HxCDF	37.02	6.616e4	5.058e4	1.187	1.31	1.24	687.4	YES	NO	bd	bd	9.712
9	1234789-HpCDF	41.11	5.916e4	5.737e4	1.165	1.03	1.05	549.5	YES	NO	bd	bd	10.092
10	1234678-HpCDF	38.86	6.989e4	6.457e4	1.204	1.08	1.05	782.0	YES	NO	bd	bb	9.897
11	OCDF	45.38	9.214e4	9.862e4	1.186	0.93	0.89	727.4	YES	NO	bd	bb	18.863

TD

	Compound	RT	Ion1Area	Ion2Area	RRF	Ratio	Pred R	S/N 1	SNFlag	EMPC	Int.1	Int.2	pg
1	2378-TCDD	26.55	1.298e4	1.586e4	1.236	0.82	0.77	239.3	YES	NO	bb	bb	2.020

PD

	Compound	RT	Ion1Area	Ion2Area	RRF	Ratio	Pred R	S/N 1	SNFlag	EMPC	Int.1	Int.2	pg
1	12378-PeCDD	31.65	6.323e4	4.003e4	1.087	1.58	1.55	1010.9	YES	NO	bb	bb	9.953

HD

	Compound	RT	Ion1Area	Ion2Area	RRF	Ratio	Pred R	S/N 1	SNFlag	EMPC	Int.1	Int.2	pg
1	Total-hexadioxins	36.88	1.448e2	1.055e2	1.007	1.37	1.24	2.8	NO	NO	bb	bb	0.024
2	123789-HxCDD	36.62	5.462e4	4.396e4	0.985	1.24	1.24	650.4	YES	NO	bb	bb	9.715
3	123678-HxCDD	36.23	5.670e4	4.717e4	1.021	1.20	1.24	649.0	YES	NO	db	db	9.657
4	123478-HxCDD	36.12	5.350e4	4.542e4	0.987	1.18	1.24	644.4	YES	NO	bd	bd	9.967

HPD

	Compound	RT	Ion1Area	Ion2Area	RRF	Ratio	Pred R	S/N 1	SNFlag	EMPC	Int.1	Int.2	pg
1	1234678-HpCDD	40.38	5.329e4	4.930e4	1.253	1.08	1.05	880.9	YES	NO	bd	bb	9.623

ID: CS2CR, Name: 23020106, Date: 01-Feb-2023, Time: 17:07:07, Conditions: AUTOSPEC01, User: pk

Dioxins,TD,PD,HD,HPD,OD

	Compound	RT	Ion1Area	Ion2Area	RRF	Ratio	Pred R	S/N 1	SNFlag	EMPC	Int.1	Int.2	pg
1	12378-PeCDD	31.65	6.323e4	4.003e4	1.087	1.58	1.55	1010.9	YES	NO	bb	bb	9.953
2	2378-TCDD	26.55	1.298e4	1.586e4	1.236	0.82	0.77	239.3	YES	NO	bb	bb	2.020
3	Total-hexadioxins	36.88	1.448e2	1.055e2	1.007	1.37	1.24	2.8	NO	NO	bb	bb	0.024
4	123789-HxCDD	36.62	5.462e4	4.396e4	0.985	1.24	1.24	650.4	YES	NO	bb	bb	9.715
5	123678-HxCDD	36.23	5.670e4	4.717e4	1.021	1.20	1.24	649.0	YES	NO	db	db	9.657
6	123478-HxCDD	36.12	5.350e4	4.542e4	0.987	1.18	1.24	644.4	YES	NO	bd	bd	9.967
7	1234678-HpCDD	40.38	5.329e4	4.930e4	1.253	1.08	1.05	880.9	YES	NO	bd	bb	9.623
8	OCDD	45.13	8.911e4	9.822e4	1.103	0.91	0.89	1009.3	YES	NO	bd	bb	19.929

TotalTEQ,Furans,Dioxins

	Compound	RT	Ion1Area	Ion2Area	RRF	Ratio	Pred R	S/N 1	SNFlag	EMPC	Int.1	Int.2	pg
1	2378-TCDF	25.90	1.375e4	1.851e4	0.876	0.74	0.77	250.5	YES	NO	bb	bb	1.973
2	23478-PeCDF	31.40	8.811e4	5.691e4	0.911	1.55	1.55	880.0	YES	NO	dd	bd	10.430
3	Total-pentafurans	30.25	4.556e2	2.766e2	0.866	1.65	1.55	7.1	YES	NO	dd	db	0.054
4	12378-PeCDF	30.06	8.384e4	5.404e4	0.845	1.55	1.55	870.6	YES	NO	bd	bd	10.086
5	234678-HxCDF	36.00	7.554e4	5.984e4	1.229	1.26	1.24	774.2	YES	NO	bd	bd	10.016
6	123678-HxCDF	35.14	8.156e4	6.332e4	1.248	1.29	1.24	801.6	YES	NO	dd	dd	9.876
7	123478-HxCDF	35.01	7.445e4	5.785e4	1.182	1.29	1.24	791.3	YES	NO	bd	bd	9.662
8	123789-HxCDF	37.02	6.616e4	5.058e4	1.187	1.31	1.24	687.4	YES	NO	bd	bd	9.712
9	1234789-HpCDF	41.11	5.916e4	5.737e4	1.165	1.03	1.05	549.5	YES	NO	bd	bd	10.092
10	1234678-HpCDF	38.86	6.989e4	6.457e4	1.204	1.08	1.05	782.0	YES	NO	bd	bb	9.897
11	OCDF	45.38	9.214e4	9.862e4	1.186	0.93	0.89	727.4	YES	NO	bd	bb	18.863
12	12378-PeCDD	31.65	6.323e4	4.003e4	1.087	1.58	1.55	1010.9	YES	NO	bb	bb	9.953
13	2378-TCDD	26.55	1.298e4	1.586e4	1.236	0.82	0.77	239.3	YES	NO	bb	bb	2.020
14	Total-hexadioxins	36.88	1.448e2	1.055e2	1.007	1.37	1.24	2.8	NO	NO	bb	bb	0.024
15	123789-HxCDD	36.62	5.462e4	4.396e4	0.985	1.24	1.24	650.4	YES	NO	bb	bb	9.715
16	123678-HxCDD	36.23	5.670e4	4.717e4	1.021	1.20	1.24	649.0	YES	NO	db	db	9.657
17	123478-HxCDD	36.12	5.350e4	4.542e4	0.987	1.18	1.24	644.4	YES	NO	bd	bd	9.967
18	1234678-HpCDD	40.38	5.329e4	4.930e4	1.253	1.08	1.05	880.9	YES	NO	bd	bb	9.623
19	OCDD	45.13	8.911e4	9.822e4	1.103	0.91	0.89	1009.3	YES	NO	bd	bb	19.929

PFK1

	Compound	RT	Ion1Area	Ion2Area	RRF	Ratio	Pred R	S/N 1	SNFlag	EMPC	Int.1	Int.2	pg
1													

ID: CS2CR, Name: 23020106, Date: 01-Feb-2023, Time: 17:07:07, Conditions: AUTOSPEC01, User: pk

PFK2

	Compound	RT	Ion1Area	Ion2Area	RRF	Ratio	Pred R	S/N 1	SNFlag	EMPC	Int.1	Int.2	pg
1													

PFK3

	Compound	RT	Ion1Area	Ion2Area	RRF	Ratio	Pred R	S/N 1	SNFlag	EMPC	Int.1	Int.2	pg
1	FUNCTION3 PFK	33.84	3.684e4					1.4	NO		bb		0.000
2	FUNCTION3 PFK	37.56	3.248e4					1.4	NO		bb		0.000
3	FUNCTION3 PFK	37.40	1.502e4					1.5	NO		bb		0.000
4	FUNCTION3 PFK	36.84	6.471e3					0.8	NO		bb		0.000
5	FUNCTION3 PFK	36.52	9.443e3					0.9	NO		bb		0.000
6	FUNCTION3 PFK	36.37	4.140e3					0.7	NO		db		0.000
7	FUNCTION3 PFK	36.33	1.297e4					1.2	NO		bd		0.000
8	FUNCTION3 PFK	36.13	6.608e3					0.8	NO		bb		0.000
9	FUNCTION3 PFK	35.98	2.009e4					1.5	NO		bb		0.000
10	FUNCTION3 PFK	35.88	2.554e3					0.5	NO		bb		0.000
11	FUNCTION3 PFK	34.30	1.671e4					1.6	NO		bb		0.000
12	FUNCTION3 PFK	34.23	8.316e3					0.4	NO		bb		0.000
13	FUNCTION3 PFK	33.98	2.293e4					1.5	NO		bb		0.000

ID: CS2CR, Name: 23020106, Date: 01-Feb-2023, Time: 17:07:07, Conditions: AUTOSPEC01, User: pk

PFK4

	Compound	RT	Ion1Area	Ion2Area	RRF	Ratio	Pred R	S/N 1	SNFlag	EMPC	Int.1	Int.2	pg
1	FUNCTION4 PFK	38.23	5.785e4					4.4	YES		dd		
2	FUNCTION4 PFK	38.15	1.010e5					5.4	YES		dd		
3	FUNCTION4 PFK	38.09	1.883e5					5.6	YES		bd		
4	FUNCTION4 PFK	42.87	1.204e4					1.0	NO		bb		
5	FUNCTION4 PFK	42.31	2.496e4					1.3	NO		bb		
6	FUNCTION4 PFK	41.49	1.586e4					1.0	NO		bb		
7	FUNCTION4 PFK	41.10	1.494e4					1.1	NO		bb		
8	FUNCTION4 PFK	40.87	1.555e4					1.4	NO		bb		
9	FUNCTION4 PFK	40.79	1.700e4					1.3	NO		bb		
10	FUNCTION4 PFK	40.65	5.082e3					0.8	NO		bb		
11	FUNCTION4 PFK	40.61	1.525e3					0.4	NO		bb		
12	FUNCTION4 PFK	40.14	1.620e4					1.6	NO		bb		
13	FUNCTION4 PFK	39.90	9.157e3					1.0	NO		bb		
14	FUNCTION4 PFK	39.83	9.091e3					1.1	NO		bb		
15	FUNCTION4 PFK	39.77	4.172e3					0.6	NO		bb		
16	FUNCTION4 PFK	39.63	1.903e3					0.5	NO		bb		
17	FUNCTION4 PFK	39.46	1.766e4					0.8	NO		bb		
18	FUNCTION4 PFK	38.45	3.531e4					1.7	NO		db		
19	FUNCTION4 PFK	38.27	1.290e5					3.8	YES		dd		

ID: CS2CR, Name: 23020106, Date: 01-Feb-2023, Time: 17:07:07, Conditions: AUTOSPEC01, User: pk

PFK5

	Compound	RT	Ion1Area	Ion2Area	RRF	Ratio	Pred R	S/N 1	SNFlag	EMPC	Int.1	Int.2	pg
1	FUNCTION5 PFK	46.27	9.001e2					0.6	NO		bb		
2	FUNCTION5 PFK	46.15	5.202e3					1.0	NO		bb		
3	FUNCTION5 PFK	45.97	3.660e3					1.2	NO		bb		
4	FUNCTION5 PFK	45.51	1.153e4					2.2	NO		bb		
5	FUNCTION5 PFK	45.41	4.532e3					1.3	NO		db		
6	FUNCTION5 PFK	45.38	1.706e3					0.8	NO		bd		
7	FUNCTION5 PFK	45.15	2.865e3					1.0	NO		bb		
8	FUNCTION5 PFK	44.80	1.877e3					0.7	NO		bb		
9	FUNCTION5 PFK	44.65	3.851e3					1.1	NO		bb		
10	FUNCTION5 PFK	44.56	1.141e4					1.8	NO		bb		
11	FUNCTION5 PFK	44.31	2.169e4					1.9	NO		bb		
12	FUNCTION5 PFK	43.92	8.765e2					0.5	NO		bb		
13	FUNCTION5 PFK	43.88	8.623e2					0.5	NO		db		
14	FUNCTION5 PFK	43.86	1.005e3					0.6	NO		bd		
15	FUNCTION5 PFK	43.82	4.471e3					1.0	NO		bb		
16	FUNCTION5 PFK	46.36	1.842e3					0.7	NO		bb		

ETHERS1

	Compound	RT	Ion1Area	Ion2Area	RRF	Ratio	Pred R	S/N 1	SNFlag	EMPC	Int.1	Int.2	pg
1	FUNCTION1 HXCD...	27.26	9.013e1					2.4	NO		bb		0.000
2	FUNCTION1 HXCD...	26.52	1.374e2					3.3	YES		bb		0.000
3	FUNCTION1 HXCD...	26.35	1.141e2					2.2	NO		bb		0.000
4	FUNCTION1 HXCD...	25.31	7.923e1					2.3	NO		bb		0.000
5	FUNCTION1 HXCD...	24.07	1.307e2					3.2	YES		bb		0.000
6	FUNCTION1 HXCD...	22.72	1.428e2					3.3	YES		bb		0.000

ETHERS2

	Compound	RT	Ion1Area	Ion2Area	RRF	Ratio	Pred R	S/N 1	SNFlag	EMPC	Int.1	Int.2	pg
1	FUNCTION1 HPCD...	26.58	7.978e1					2.2	NO		db		0.000
2	FUNCTION1 HPCD...	26.53	1.102e2					2.3	NO		bd		0.000
3	FUNCTION1 HPCD...	24.69	7.048e1					1.7	NO		bb		0.000
4	FUNCTION1 HPCD...	24.48	8.580e1					1.5	NO		bb		0.000
5	FUNCTION1 HPCD...	21.38	7.239e1					1.7	NO		bb		0.000

ID: CS2CR, Name: 23020106, Date: 01-Feb-2023, Time: 17:07:07, Conditions: AUTOSPEC01, User: pk

ETHERS3

	Compound	RT	Ion1Area	Ion2Area	RRF	Ratio	Pred R	S/N 1	SNFlag	EMPC	Int.1	Int.2	pg
1	FUNCTION2 HPCD...	28.37	7.170e1					2.5	NO		bb		0.000
2	FUNCTION2 HPCD...	31.76	2.583e2					2.7	NO		db		0.000
3	FUNCTION2 HPCD...	31.64	1.965e2					4.2	YES		bd		0.000
4	FUNCTION2 HPCD...	31.30	1.054e2					1.6	NO		bb		0.000
5	FUNCTION2 HPCD...	29.60	9.241e1					3.7	YES		bb		0.000

ETHERS4

	Compound	RT	Ion1Area	Ion2Area	RRF	Ratio	Pred R	S/N 1	SNFlag	EMPC	Int.1	Int.2	pg
1	FUNCTION3 OCDPE	36.22	9.361e1					1.8	NO		bb		0.000
2	FUNCTION3 OCDPE	33.01	1.089e2					2.0	NO		bb		0.000

ETHERS5

	Compound	RT	Ion1Area	Ion2Area	RRF	Ratio	Pred R	S/N 1	SNFlag	EMPC	Int.1	Int.2	pg
1	FUNCTION4 NCDPE	41.21	1.123e2					2.3	NO		db		0.000
2	FUNCTION4 NCDPE	41.16	1.047e2					2.3	NO		bd		0.000
3	FUNCTION4 NCDPE	41.00	7.125e1					1.9	NO		bb		0.000
4	FUNCTION4 NCDPE	38.88	9.103e1					1.9	NO		bb		0.000
5	FUNCTION4 NCDPE	38.50	1.884e2					2.9	NO		bb		0.000

ETHERS6

	Compound	RT	Ion1Area	Ion2Area	RRF	Ratio	Pred R	S/N 1	SNFlag	EMPC	Int.1	Int.2	pg
1	FUNCTION5 DCDPE	44.32	1.012e2					2.0	NO		bb		0.000

Method: T:\Autospec\Methods\Dioxin230131IH.mdb 03 Feb 2023 10:31:33
Calibration: 03 Feb 2023 10:33:40

ID: CS2CR, Name: 23020106, Date: 01-Feb-2023, Time: 17:07:07, Conditions: AUTOSPEC01, User: pk

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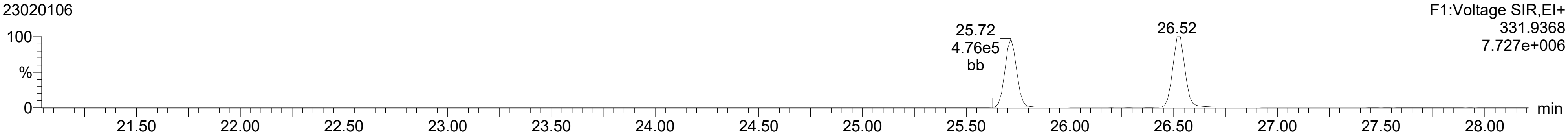

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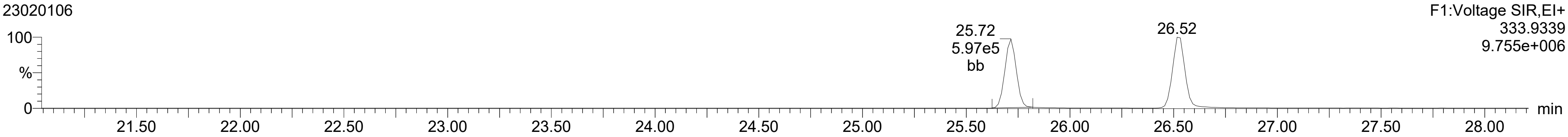

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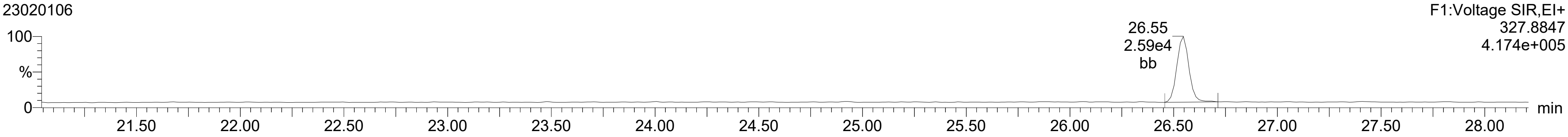

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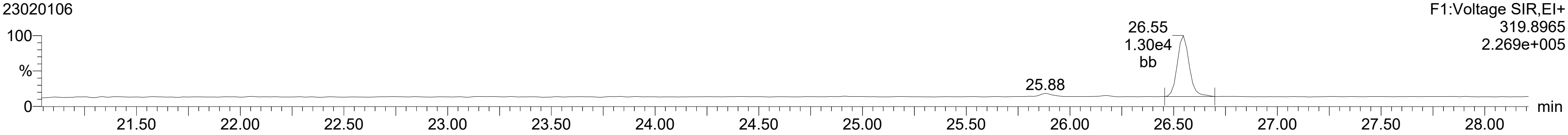

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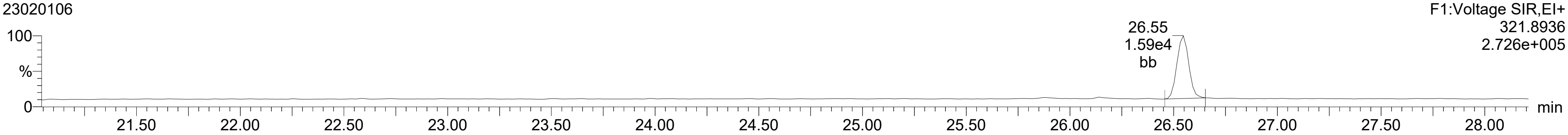

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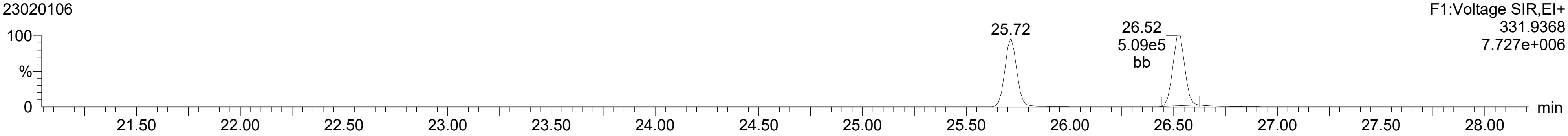

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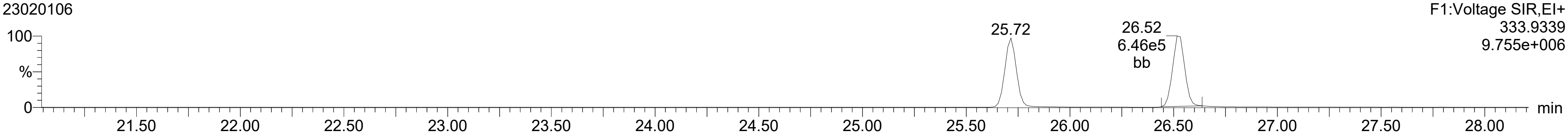

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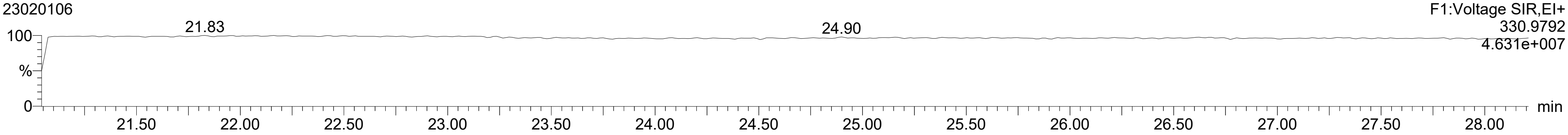

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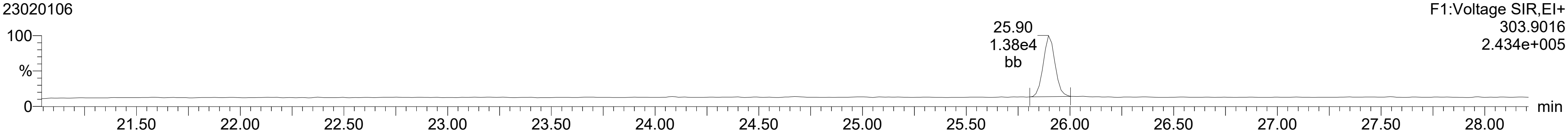

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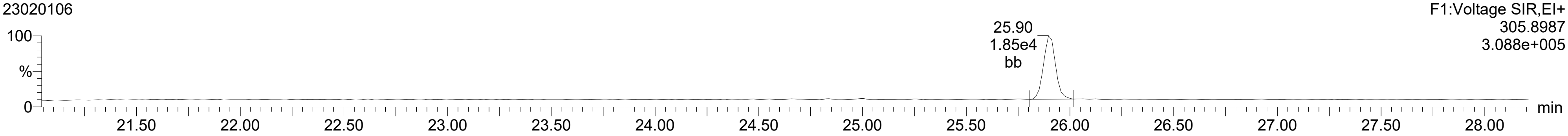

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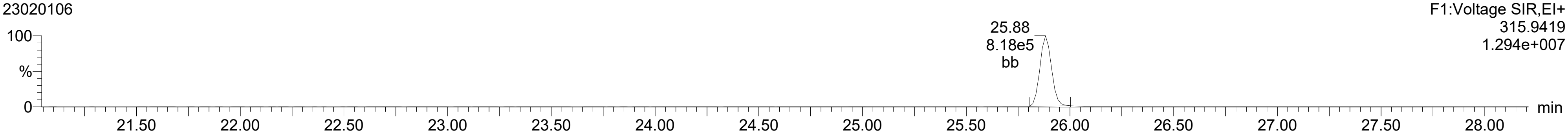

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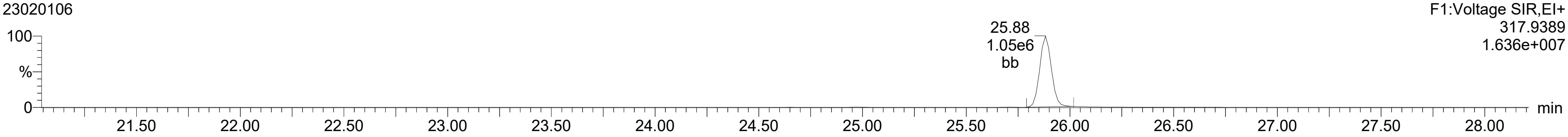

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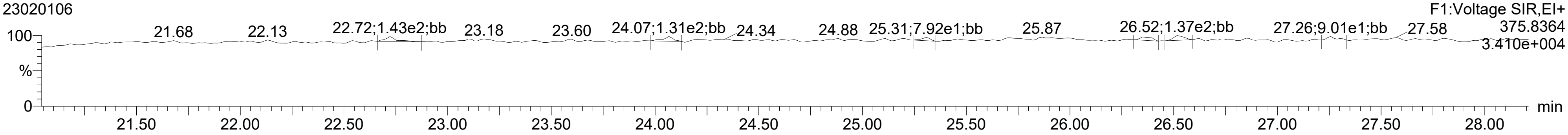

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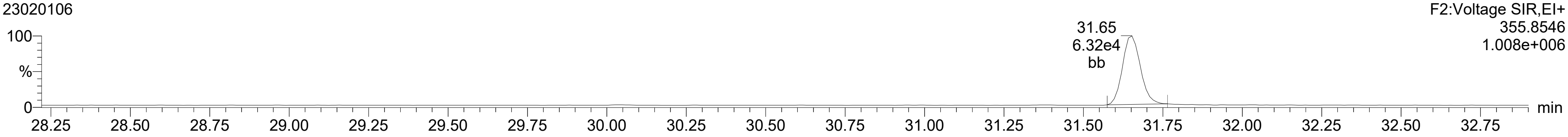
12378-PeCDD



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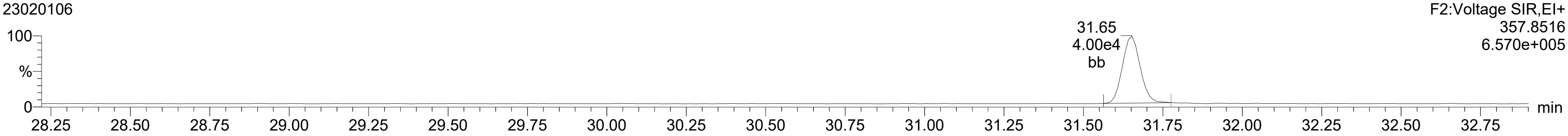

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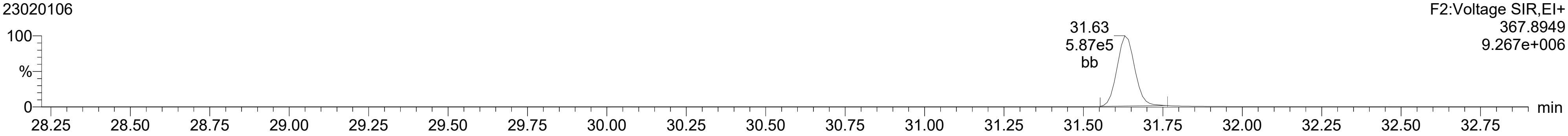

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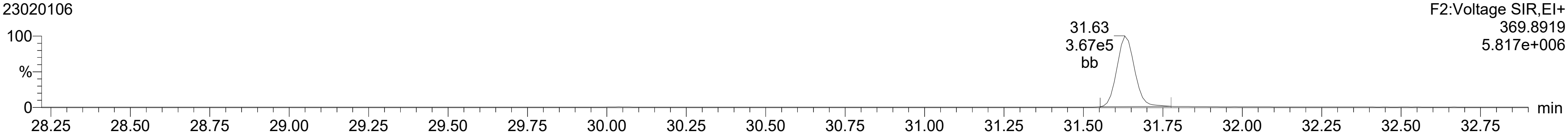

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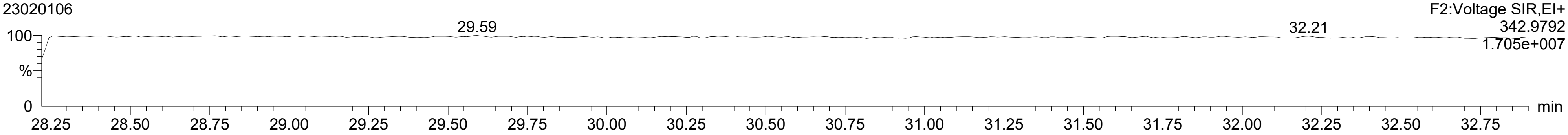

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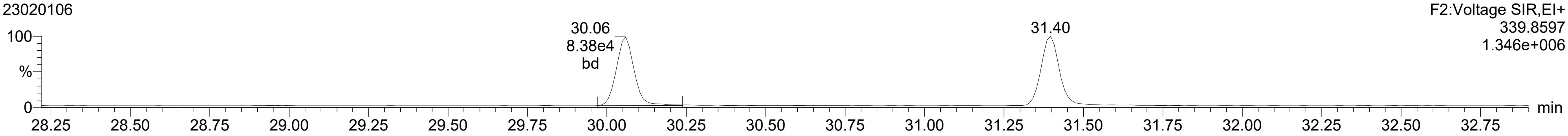

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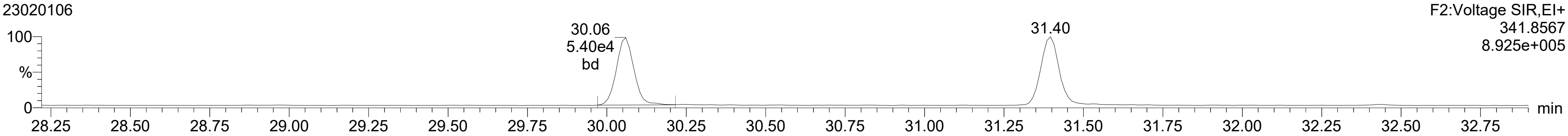

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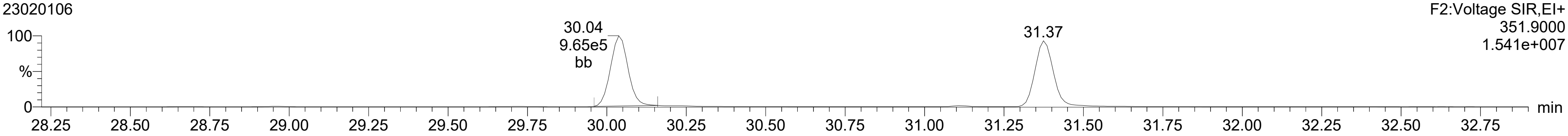

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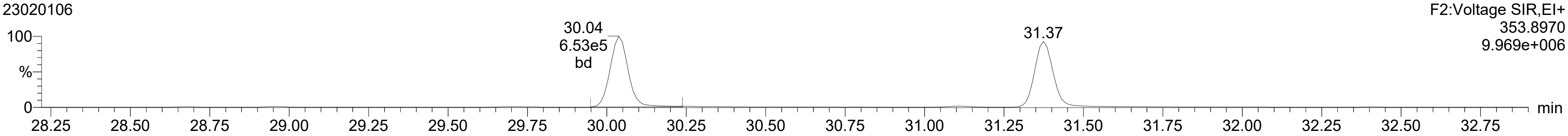

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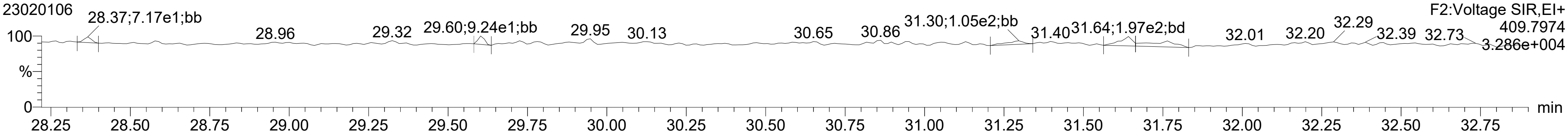

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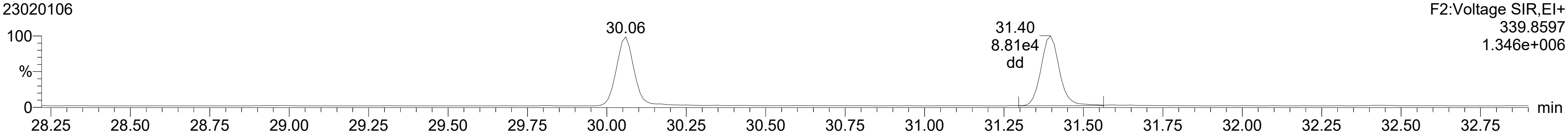

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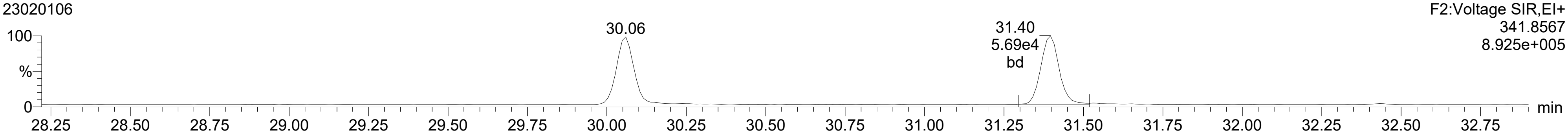

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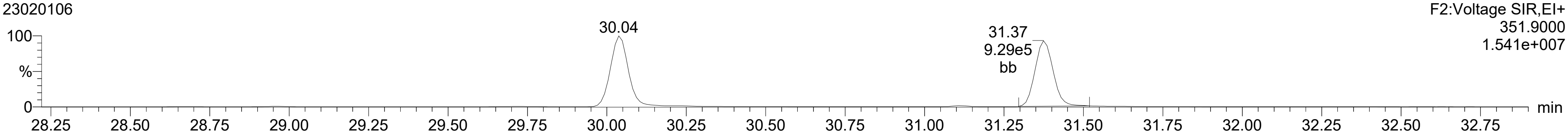

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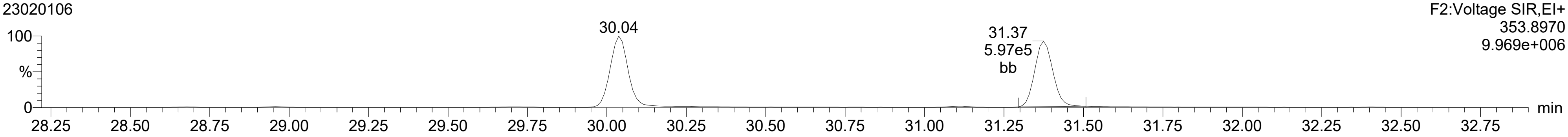

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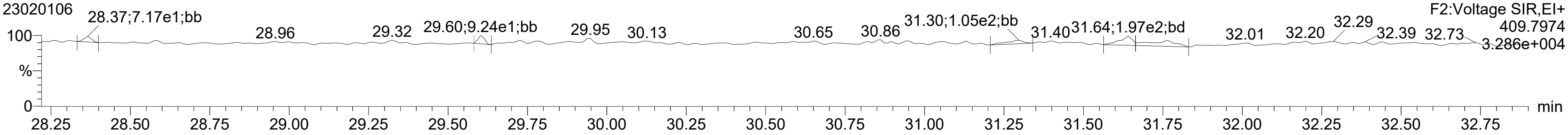

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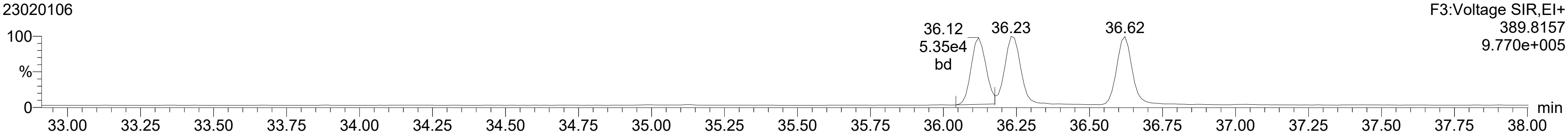

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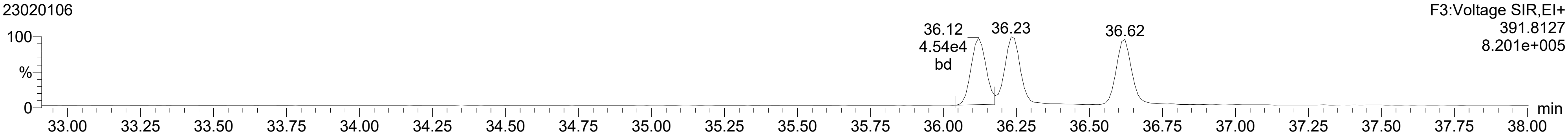

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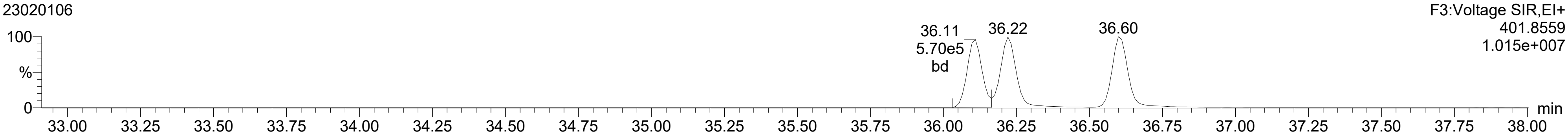

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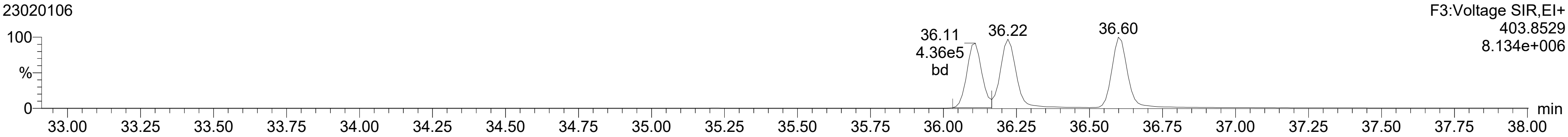

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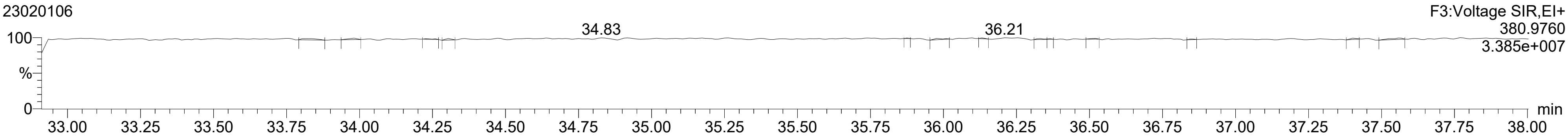

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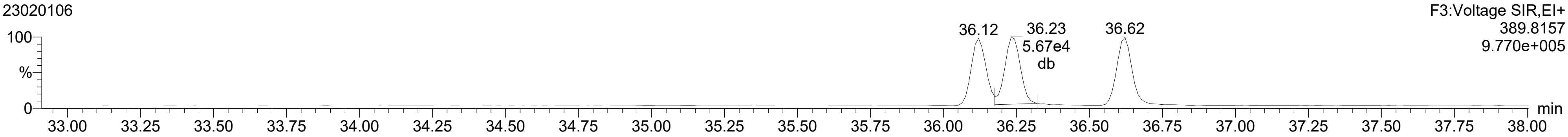

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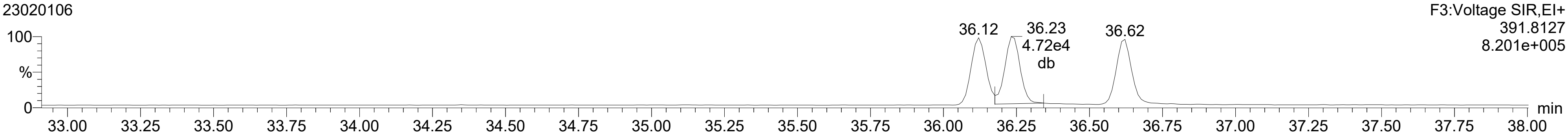

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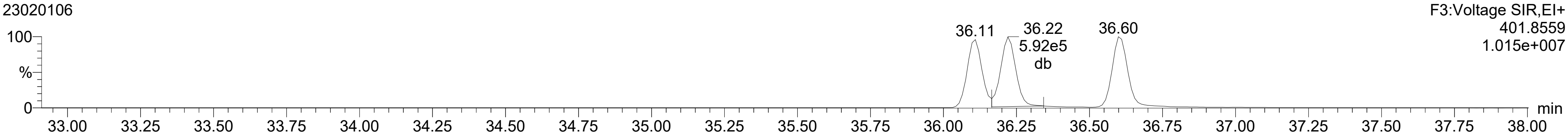

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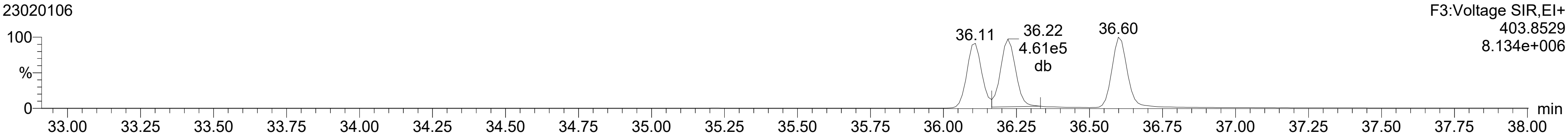

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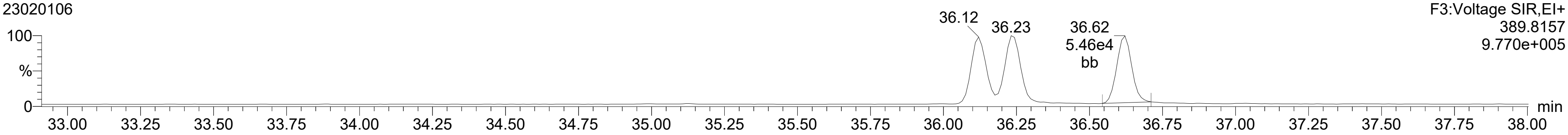

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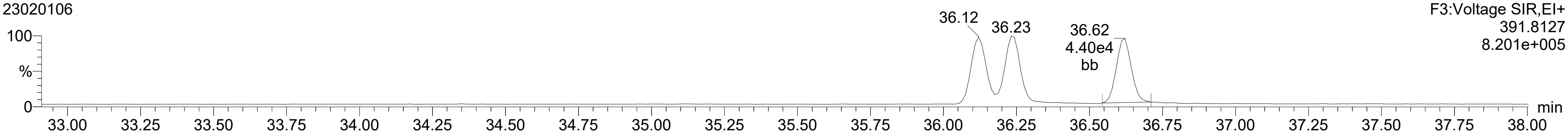

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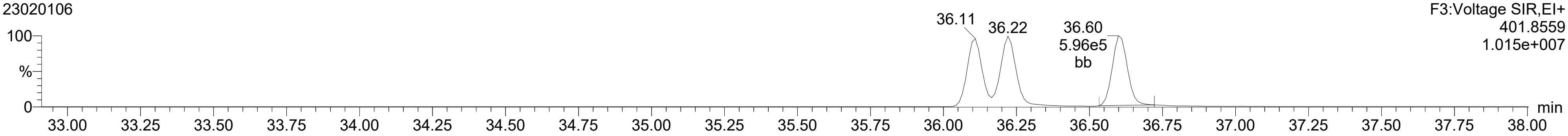

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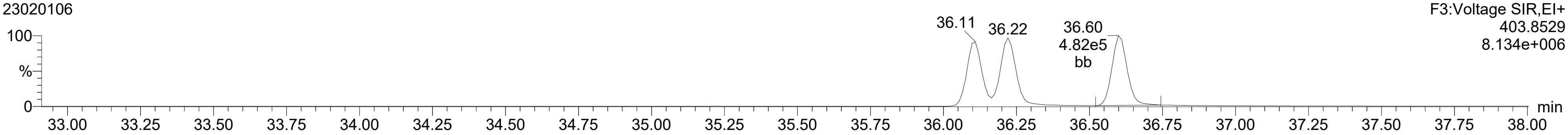

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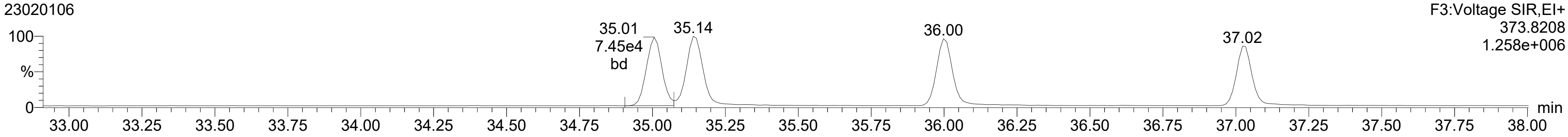

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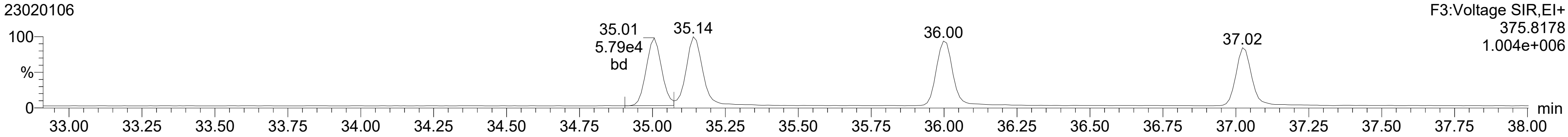

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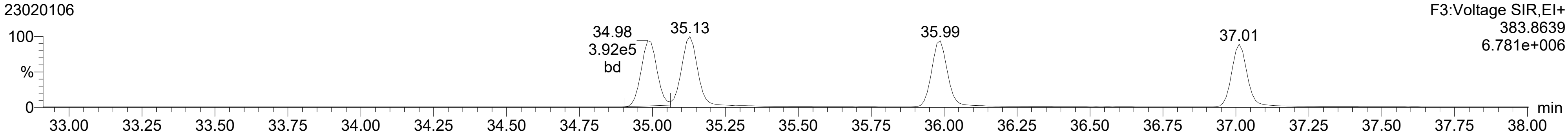

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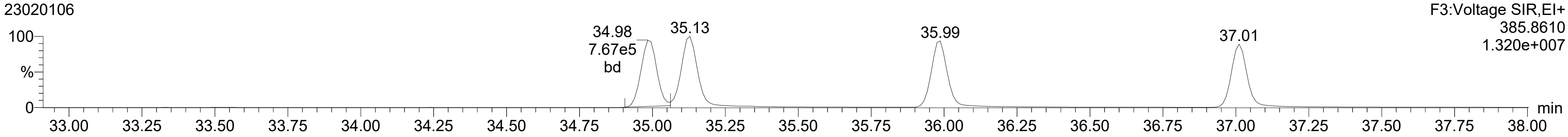

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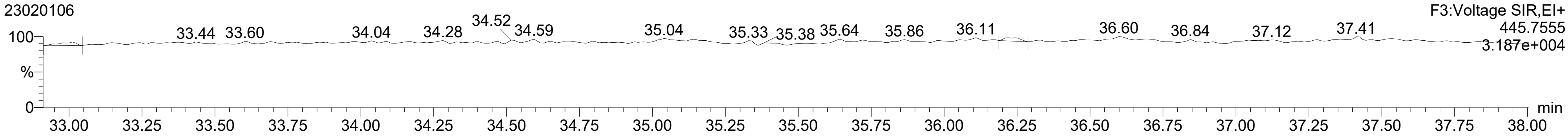

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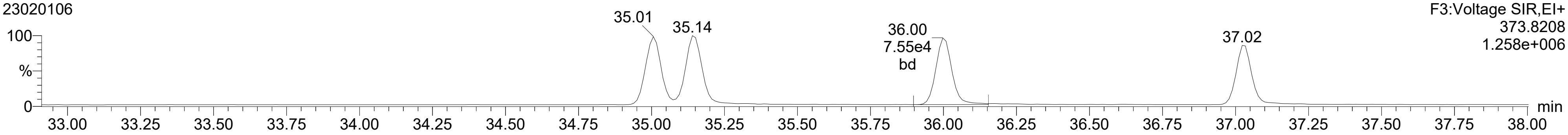

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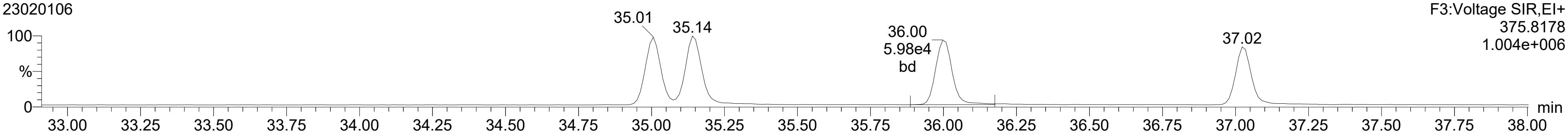

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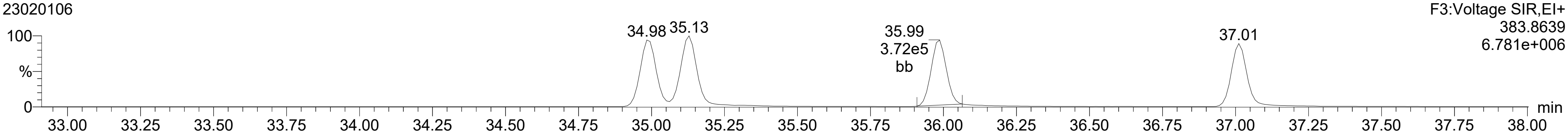

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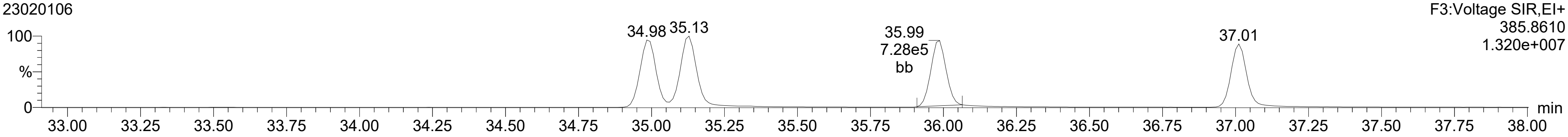

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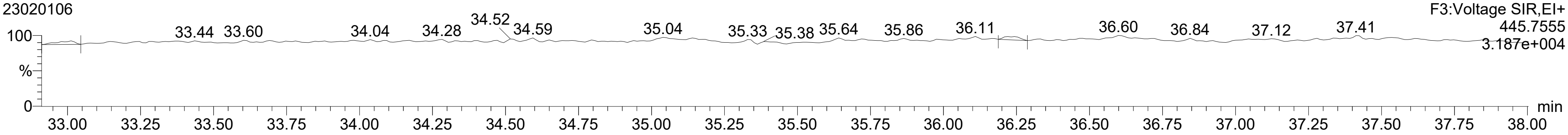

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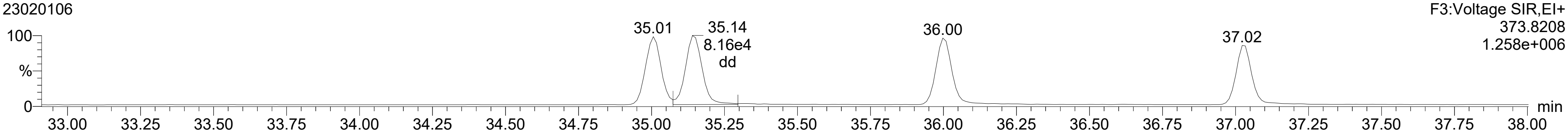

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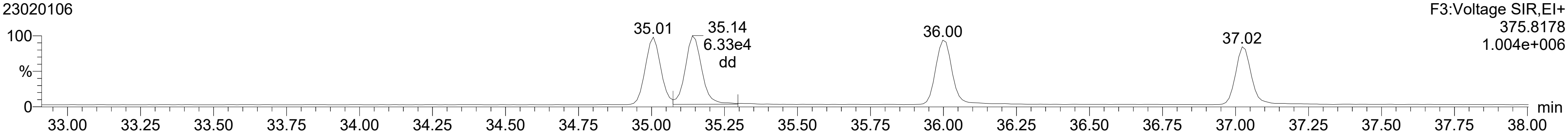

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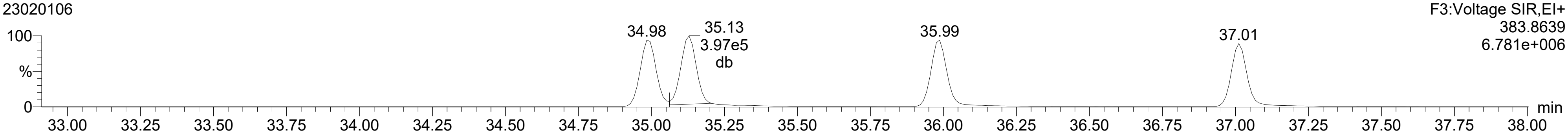

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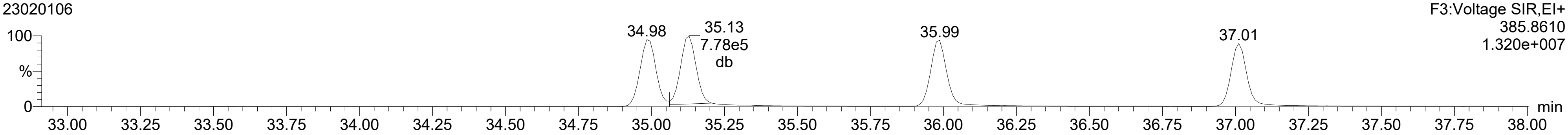

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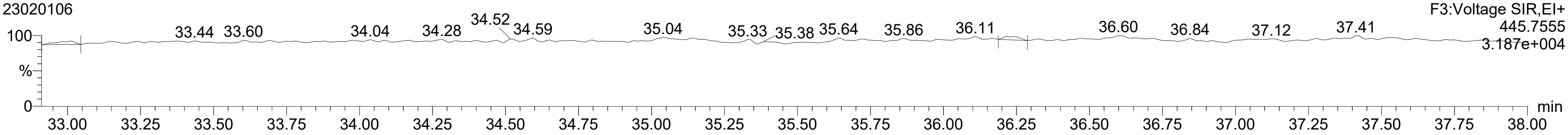

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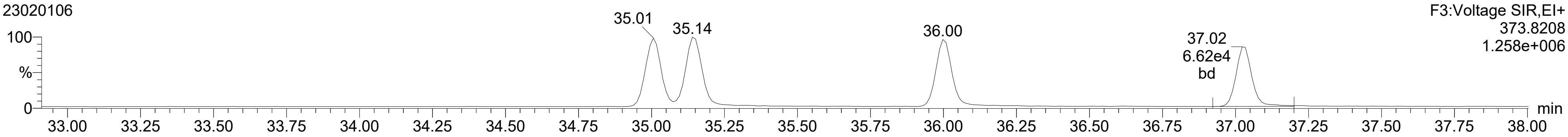

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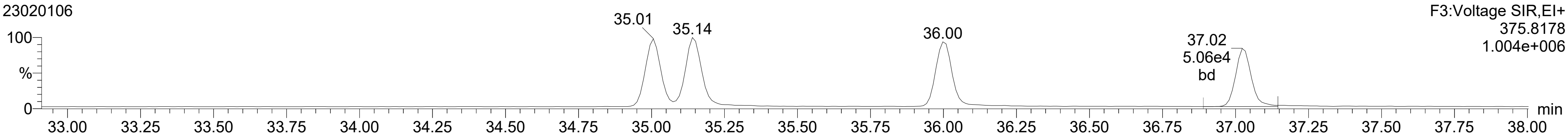

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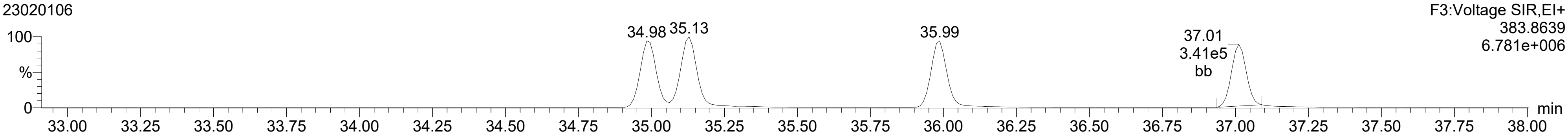

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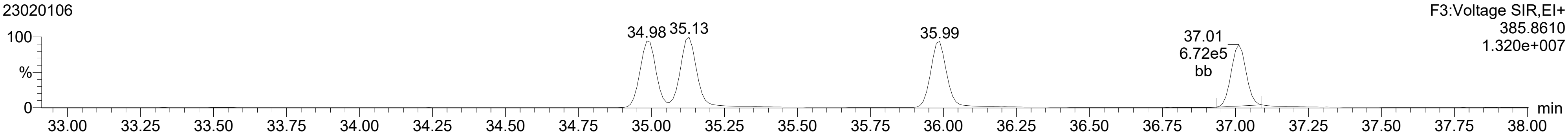

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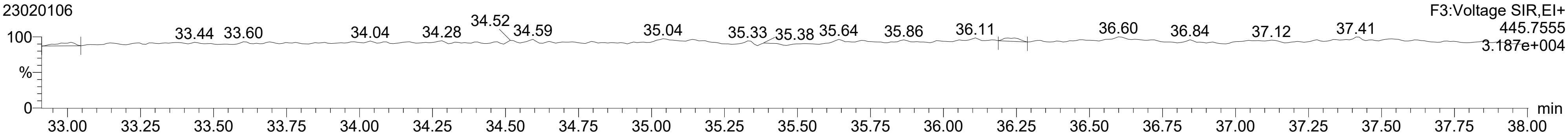

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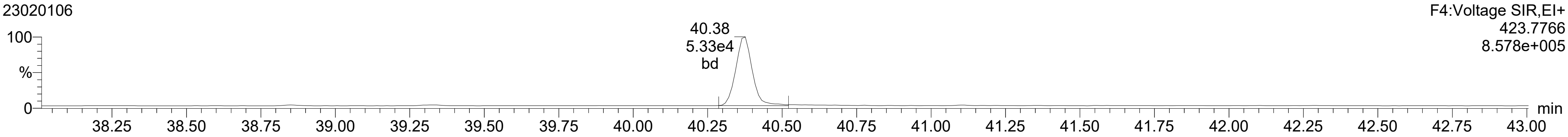

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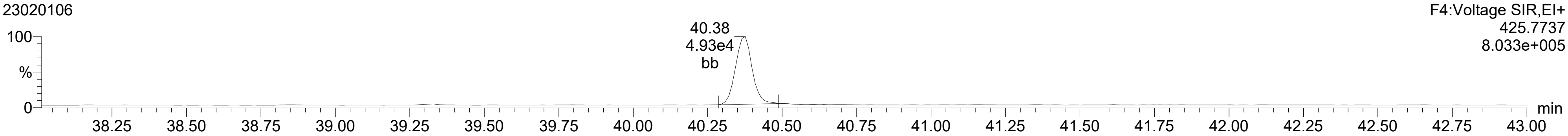

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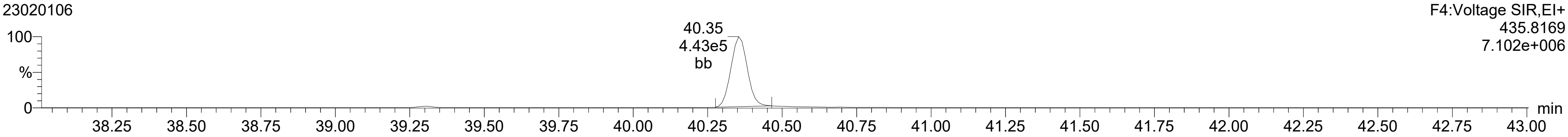

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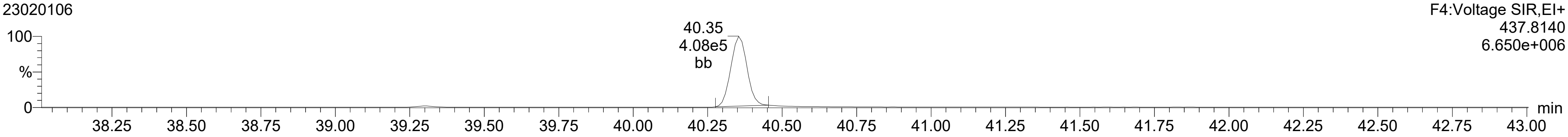

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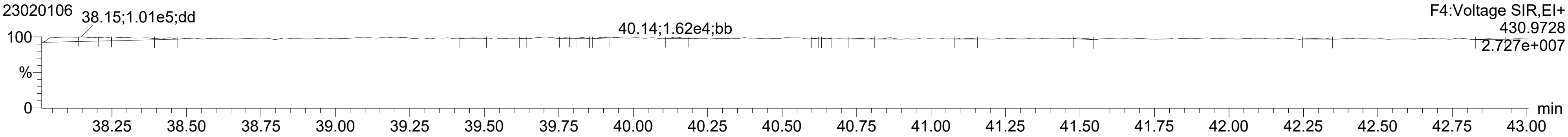

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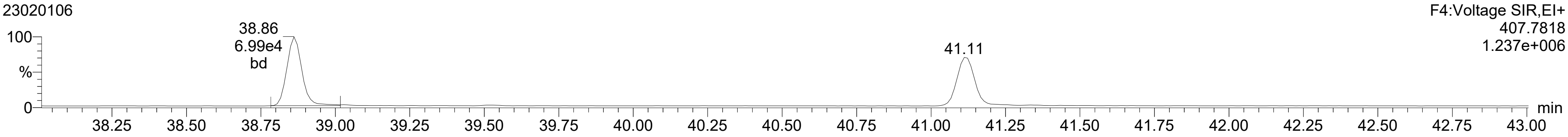

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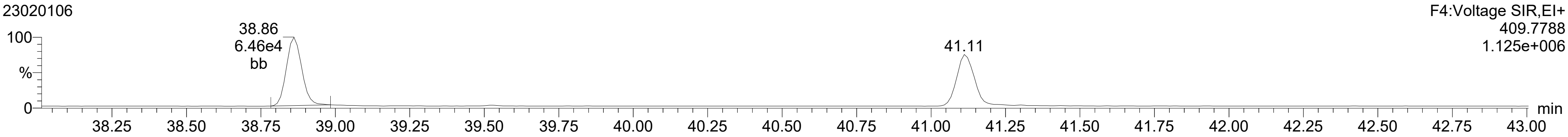

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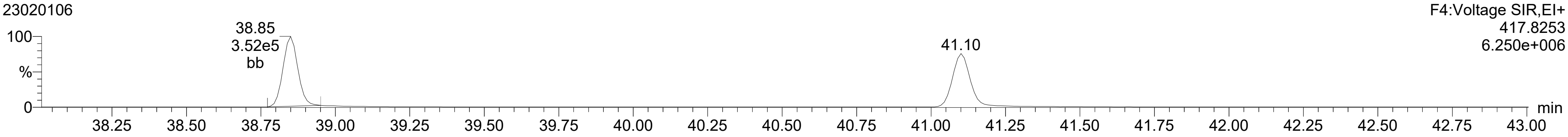

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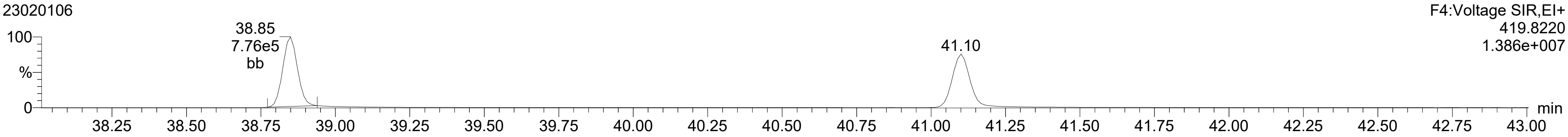

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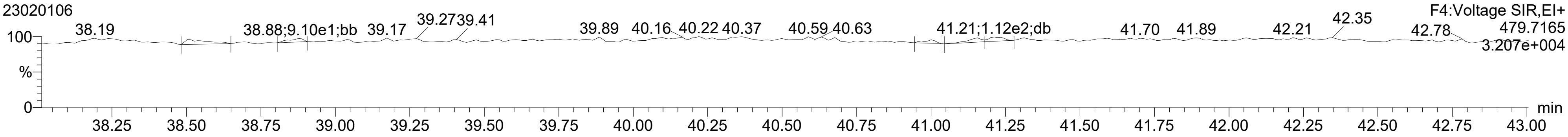

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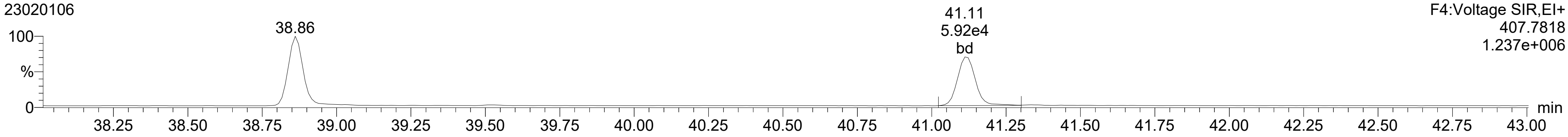

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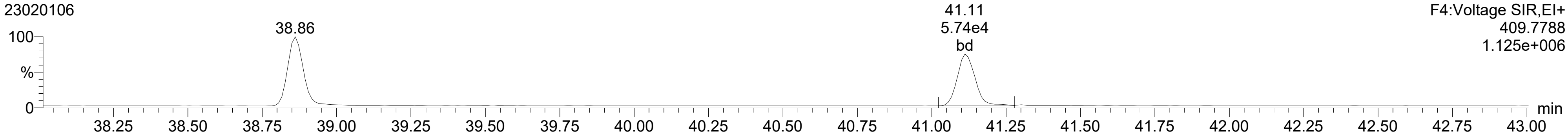

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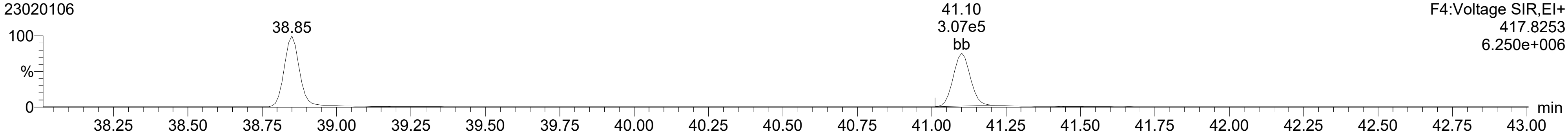

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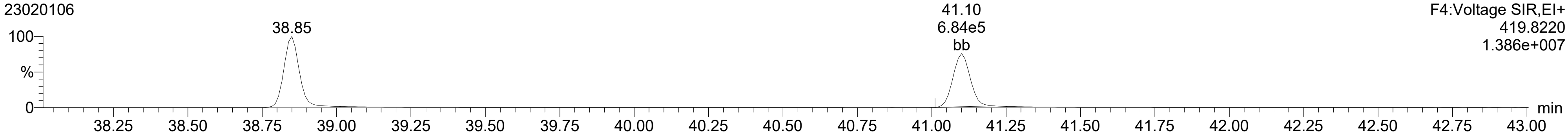

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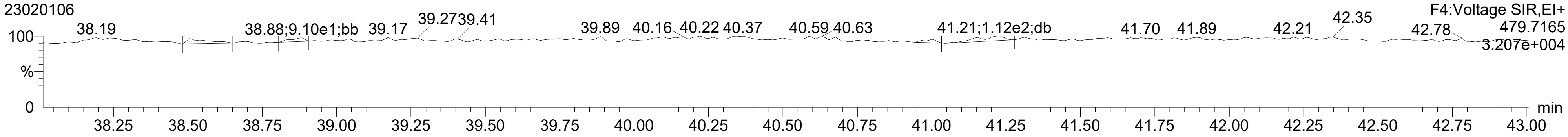

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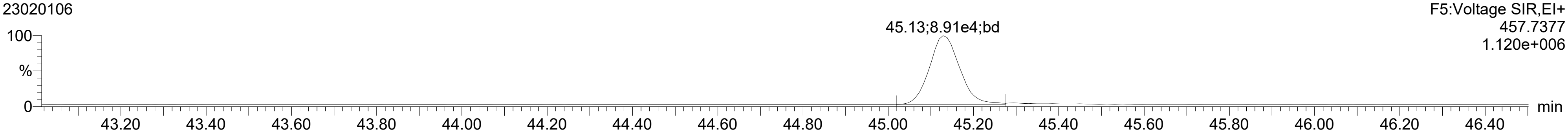

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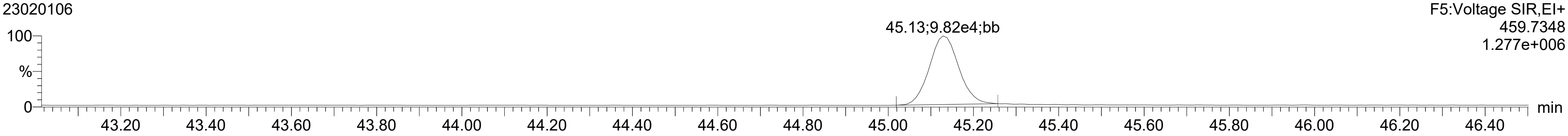

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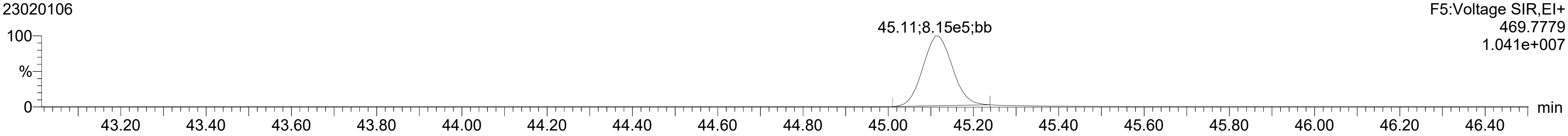

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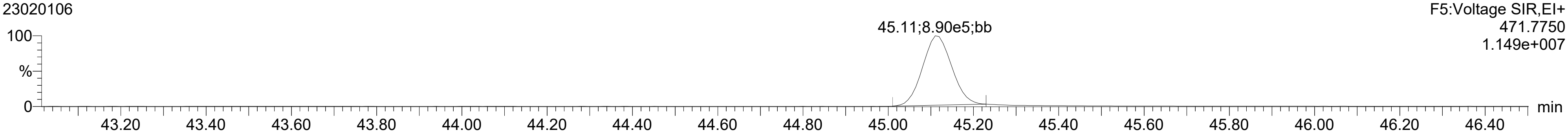

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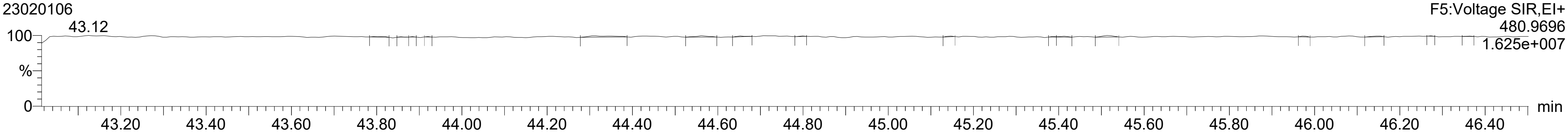

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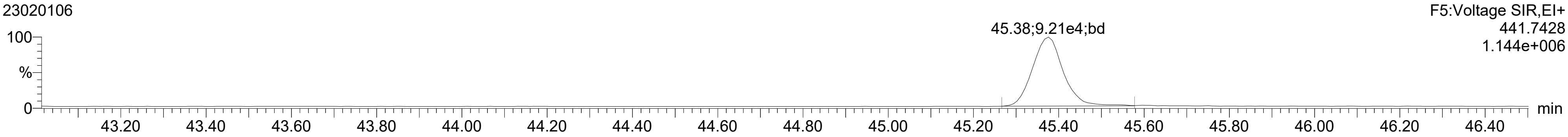

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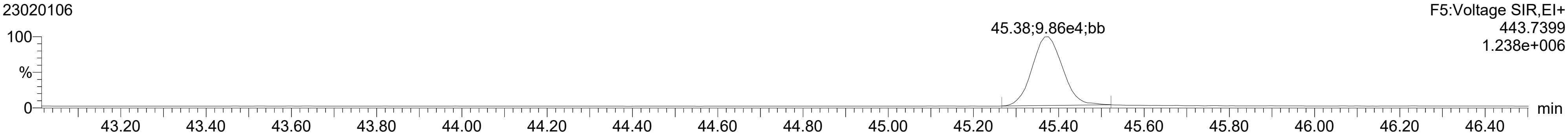
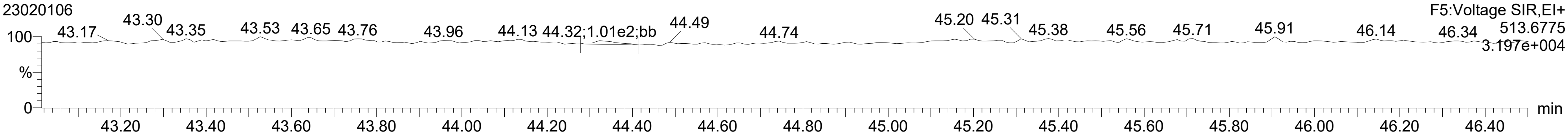


FUNCTION5 DCDPE



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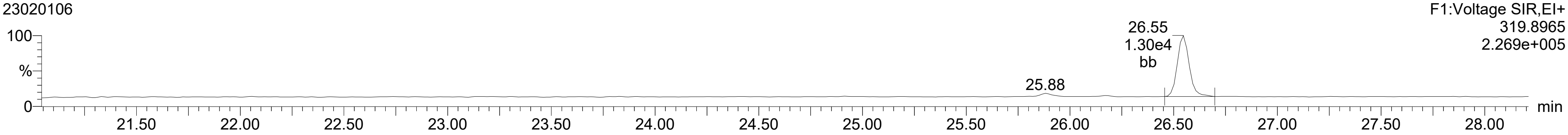
Total-tetradioxins



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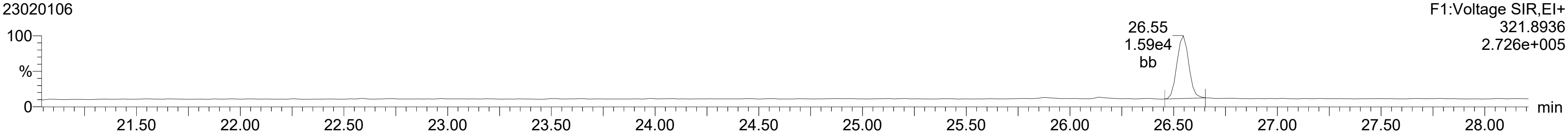

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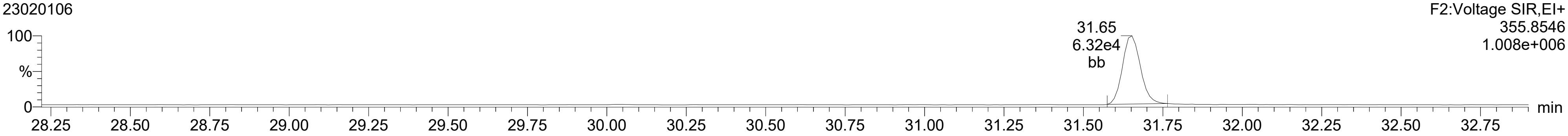
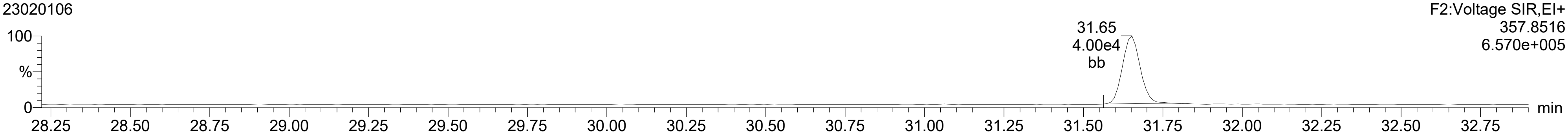


Total-pentadioxins



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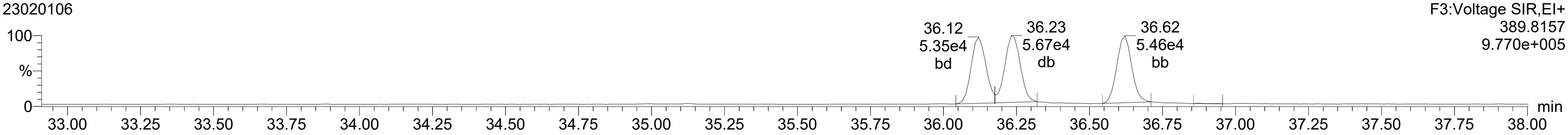

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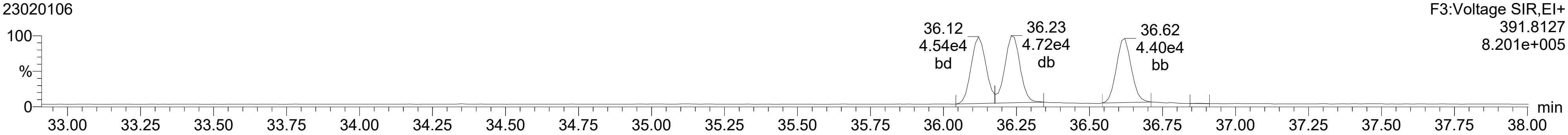

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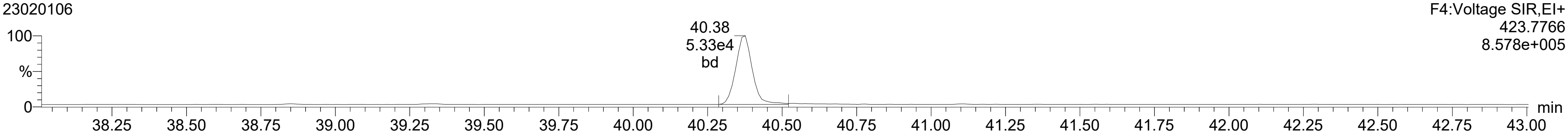

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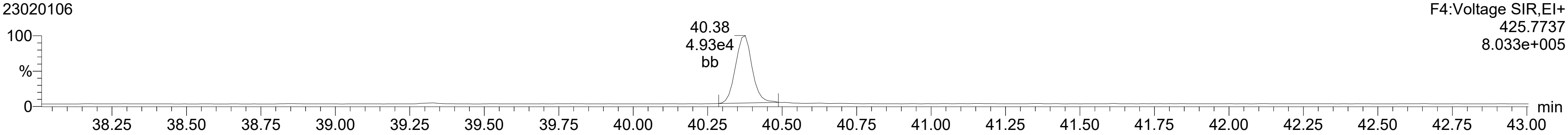
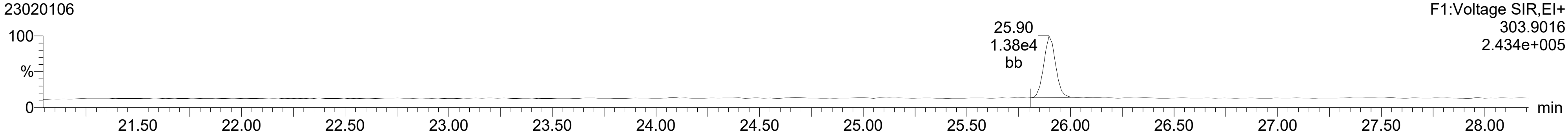


ID: CS2CR, Name: 23020106, Date: 01-Feb-2023, Time: 17:07:07, Conditions: AUTOSPEC01, User: pk

Total-tetrafurans



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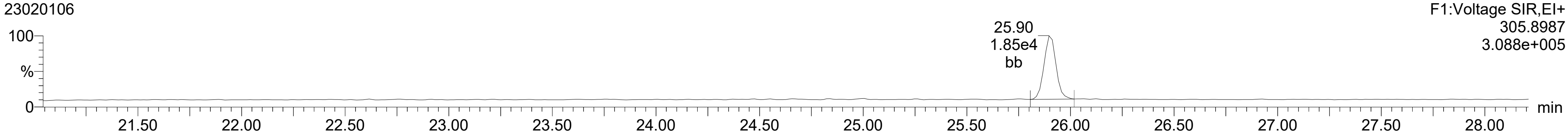

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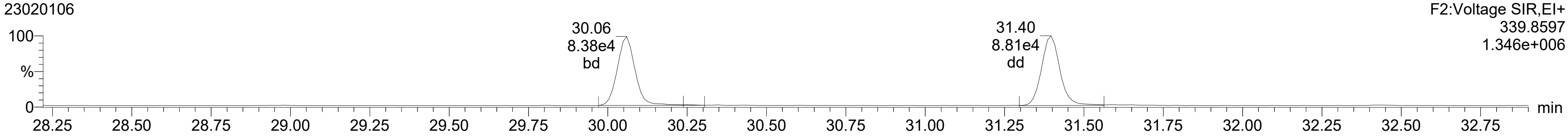

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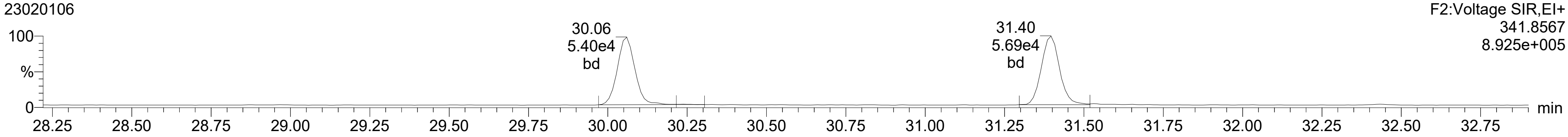

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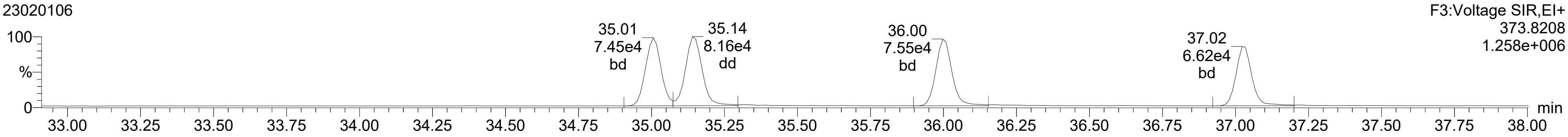
Total-hexafurans



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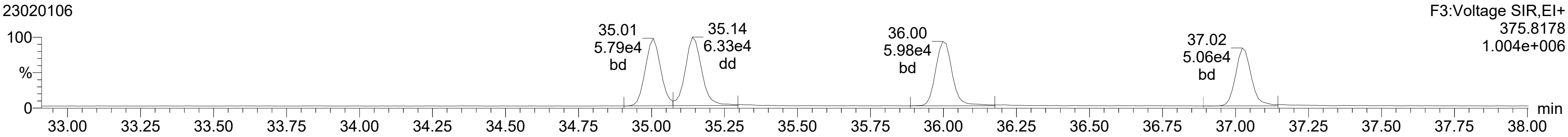

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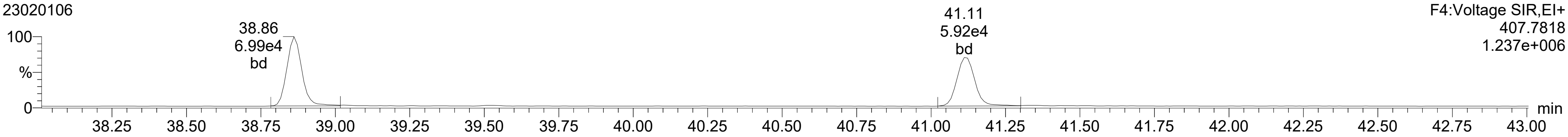
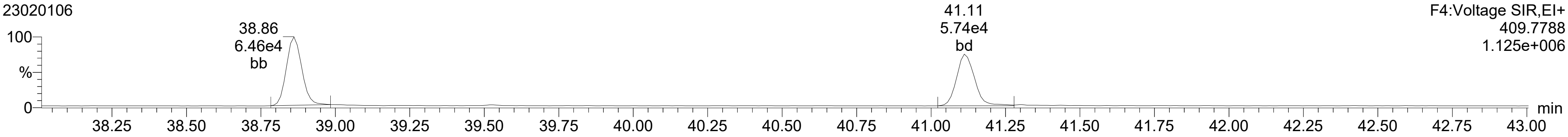


Total-heptafurans



Method: T:\Autospec\Methods\Dioxin230131IH.mdb 03 Feb 2023 10:31:33
Calibration: 03 Feb 2023 10:33:40

ID: CS3CR, Name: 23020107, Date: 01-Feb-2023, Time: 17:56:19, Conditions: AUTOSPEC01, User: pk

Compound	RT	RRT	Ion1Area	Ion2Area	RRF	Ratio	Pred R	Noise 1	Noise 2	Height 1	Height 2	S/N 1	S/N 2	EMPC	Int.1	Int.2	pg
2378-TCDF	25.882	1.001	6.453e4	8.749e4	0.876	0.738	0.770	1099	2026	9.86e5	1.33e6	897.2	656.5	NO	bb	bb	10.343
12378-PeCDF	30.048	1.001	3.683e5	2.382e5	0.845	1.546	1.550	3190	2595	5.70e6	3.69e6	1785.6	1421.3	NO	bb	bb	49.054
23478-PeCDF	31.385	1.001	3.878e5	2.552e5	0.911	1.520	1.550	3190	2595	5.98e6	3.95e6	1875.0	1521.7	NO	bb	bb	49.735
123478-HxCDF	34.995	1.001	3.439e5	2.707e5	1.182	1.271	1.240	3530	2719	5.57e6	4.47e6	1578.6	1645.2	NO	bd	bd	49.384
234678-HxCDF	35.987	1.000	3.473e5	2.734e5	1.229	1.270	1.240	3530	2719	5.49e6	4.36e6	1554.3	1603.8	NO	bd	bd	50.511
123678-HxCDF	35.129	1.000	3.705e5	2.941e5	1.248	1.260	1.240	3530	2719	5.50e6	4.37e6	1557.7	1606.9	NO	db	db	49.292
123789-HxCDF	37.012	1.000	3.044e5	2.379e5	1.187	1.279	1.240	3530	2719	4.78e6	3.76e6	1354.6	1383.4	NO	bb	bd	49.842
1234678-HpCDF	38.850	1.000	2.941e5	2.898e5	1.204	1.015	1.050	2499	2461	4.94e6	4.87e6	1976.6	1980.3	NO	bb	bb	47.249
1234789-HpCDF	41.100	1.000	2.575e5	2.639e5	1.165	0.976	1.050	2499	2461	3.86e6	3.76e6	1546.5	1528.6	NO	bb	bb	48.293
OCDF	45.357	1.006	3.904e5	4.394e5	1.186	0.889	0.890	2361	1464	4.77e6	5.34e6	2021.3	3646.6	NO	bb	bb	88.323
2378-TCDD	26.532	1.001	5.783e4	7.140e4	1.236	0.810	0.770	1261	1356	8.71e5	1.09e6	690.6	804.6	NO	bb	bb	9.200
12378-PeCDD	31.642	1.001	2.871e5	1.811e5	1.087	1.585	1.550	1935	1700	4.52e6	2.88e6	2335.1	1692.4	NO	bb	bb	49.835
123478-HxCDD	36.109	1.000	2.492e5	2.039e5	0.987	1.222	1.240	2775	1957	4.32e6	3.49e6	1555.2	1781.3	NO	bd	bd	49.339
123678-HxCDD	36.221	1.000	2.605e5	2.153e5	1.021	1.210	1.240	2775	1957	4.30e6	3.56e6	1550.9	1817.2	NO	db	db	49.052
123789-HxCDD	36.611	1.011	2.521e5	2.108e5	0.985	1.196	1.240	2775	1957	4.16e6	3.46e6	1500.2	1770.2	NO	bb	bb	49.951
1234678-HpCDD	40.354	1.000	2.309e5	2.219e5	1.253	1.041	1.050	2551	2394	3.57e6	3.40e6	1399.4	1422.4	NO	bb	bb	46.332
OCDD	45.119	1.000	3.877e5	4.205e5	1.103	0.922	0.890	2154	2574	4.65e6	5.24e6	2156.8	2035.9	NO	bd	bb	92.549
13C-2378-TCDF	25.867	1.007	7.414e5	9.363e5	1.768	0.792	0.770	2053	1619	1.15e7	1.43e7	5585.3	8856.7	NO	bb	bb	94.656
13C-12378-PeCDF	30.026	1.168	8.877e5	5.760e5	1.527	1.541	1.550	2967	1853	1.38e7	8.94e6	4662.3	4827.2	NO	bb	bb	95.615
13C-23478-PeCDF	31.363	1.220	8.562e5	5.626e5	1.466	1.522	1.550	2967	1853	1.33e7	8.64e6	4491.7	4663.8	NO	bb	bb	96.525
13C-123478-HxCDF	34.973	0.956	3.562e5	6.970e5	1.054	0.511	0.510	1992	2758	5.88e6	1.16e7	2952.0	4191.7	NO	bd	bd	100.726
13C-123678-HxCDF	35.118	0.960	3.647e5	7.156e5	1.080	0.510	0.510	1992	2758	5.88e6	1.14e7	2953.9	4143.1	NO	db	db	100.801
13C-234678-HxCDF	35.975	0.983	3.384e5	6.615e5	1.014	0.512	0.510	1992	2758	5.68e6	1.10e7	2849.9	4002.3	NO	bb	bb	99.342
13C-123789-HxCDF	37.000	1.011	3.154e5	6.016e5	0.928	0.524	0.510	1992	2758	5.40e6	1.05e7	2709.2	3801.7	NO	bb	bb	99.581
13C-1234678-HpCDF	38.839	1.061	3.227e5	7.036e5	1.036	0.459	0.440	2621	3052	5.41e6	1.21e7	2065.5	3959.7	NO	bb	bb	99.821
13C-1234789-HpCDF	41.089	1.123	2.972e5	6.294e5	0.905	0.472	0.440	2621	3052	4.32e6	9.59e6	1649.5	3143.4	NO	bd	bb	103.177
13C-1234-TCDD	25.700	0.000	4.469e5	5.555e5	1.000	0.804	0.770	2398	1542	7.04e6	8.78e6	2935.5	5692.9	NO	bb	bb	100.000
13C-2378-TCDD	26.517	1.032	4.991e5	6.371e5	1.103	0.783	0.770	2398	1542	7.48e6	9.58e6	3119.3	6212.6	NO	bb	bb	102.763
13C-12378-PeCDD	31.619	1.230	5.354e5	3.292e5	0.914	1.626	1.550	1302	1293	8.28e6	5.07e6	6359.2	3923.9	NO	bb	bb	94.346
13C-123478-HxCDD	36.098	0.987	5.251e5	4.053e5	0.933	1.296	1.240	1973	3288	8.80e6	6.71e6	4459.6	2041.7	NO	bd	bd	100.495
13C-123678-HxCDD	36.209	0.990	5.354e5	4.149e5	0.965	1.291	1.240	1973	3288	8.89e6	6.90e6	4507.2	2100.1	NO	db	db	99.280
13C-1234678-HpCDD	40.343	1.103	4.018e5	3.784e5	0.782	1.062	1.050	1997	2297	6.40e6	6.01e6	3207.1	2617.9	NO	bb	bb	100.543
13C-OCDD	45.101	1.233	7.578e5	8.262e5	0.788	0.917	0.890	2644	3522	9.52e6	1.02e7	3599.3	2906.4	NO	bb	bb	202.502
13C-123789-HxCDD	36.588	0.000	5.534e5	4.389e5	1.000	1.261	1.240	1973	3288	9.19e6	7.27e6	4657.5	2210.2	NO	bb	bb	100.000
37CL-2378-TCDD	26.532	1.032	1.115e5		1.233			1579		1.70e6		1075.4			bb		9.021

ID: CS3CR, Name: 23020107, Date: 01-Feb-2023, Time: 17:56:19, Conditions: AUTOSPEC01, User: pk

Compound	RT	RRT	Ion1Area	Ion2Area	RRF	Ratio	Pred R	Noise 1	Noise 2	Height 1	Height 2	S/N 1	S/N 2	EMPC	Int.1	Int.2	pg
1368-TCDF	22.389	0.866	7.831e4	1.003e5	1.064	0.781	0.770	1099	2026	1.24e6	1.58e6	1124.6	780.3	NO	bb	bb	10.000
1289-TCDF	27.378	1.058	6.314e4	8.075e4	0.858	0.782	0.770	1099	2026	9.07e5	1.18e6	825.1	582.8	NO	db	db	10.000
13468-PECDF	27.243	0.907	4.504e5	2.910e5	1.013	1.548	1.550	1001	928	7.08e6	4.58e6	7076.3	4935.5	NO	bb	bb	50.000
12389-PECDF	32.422	1.080	3.693e5	2.481e5	0.844	1.488	1.550	3190	2595	5.63e6	3.73e6	1765.9	1435.6	NO	bb	bb	50.000
123468-HXCDF	33.335	0.953	3.538e5	2.768e5	1.197	1.278	1.240	3530	2719	5.41e6	4.18e6	1531.9	1537.1	NO	bb	bd	50.000
1368-TCDD	23.659	0.892	5.365e4	6.956e4	1.084	0.771	0.770	1261	1356	8.58e5	1.11e6	680.3	820.3	NO	bb	bb	10.000
1289-TCDD	27.122	1.023	4.896e4	6.184e4	0.975	0.792	0.770	1261	1356	7.39e5	9.25e5	586.4	682.2	NO	bb	bb	10.000
12479-PECDD	28.912	0.914	4.860e5	3.082e5	1.837	1.577	1.550	1935	1700	4.68e6	2.92e6	2418.8	1714.3	NO	bb	bb	50.000
12389-PECDD	32.032	1.013	3.312e5	2.102e5	1.252	1.576	1.550	1935	1700	5.26e6	3.30e6	2720.3	1940.3	NO	bb	bb	50.000
124679-HXCDD	34.104	0.945	2.650e5	2.155e5	1.033	1.230	1.240	2775	1957	4.22e6	3.42e6	1521.7	1748.3	NO	bb	bb	50.000
1234679-HPCDD	39.307	0.974	2.579e5	2.438e5	1.286	1.058	1.050	2551	2394	4.26e6	3.98e6	1669.1	1662.1	NO	bb	bb	50.000
Total-tetrafurans			2.076e5		0.933			1099		3.16e6							30.586
Total-penta1			4.504e5					1001		7.08e6							50.000
Total-pentafurans			1.187e6		0.866			3190		1.83e7							156.881
Total-hexafurans			1.720e6		1.208			3530		2.67e7							249.030
Total-heptafurans			5.536e5		1.185			2499		8.83e6							95.864
Total-Furans			4.509e6		1.067			1099		6.89e7							670.685
Total-tetradioxins			2.732e5		1.099			1261		3.78e6							49.490
Total-pentadioxins			1.106e6		1.392			1935		1.45e7							150.052
Total-hexadioxins			1.027e6		1.007			2775		1.70e7							198.343
Total-heptadioxins			4.888e5		1.269			2551		7.83e6							96.332
Total-Dioxins			3.282e6		1.165			1261		4.77e7							586.766
Total-TEQ			7.791e6					1261		1.17e8							1257.451
FUNCTION1 PFK			2.071e7					567379		2.38e8							
FUNCTION2 PFK			0.000e0					180306		0.00e0							
FUNCTION3 PFK			2.786e4					420708		9.12e5							0.000
FUNCTION4 PFK			7.534e5					257681		1.24e7							
FUNCTION5 PFK			1.239e5					175535		5.02e6							
FUNCTION1 HXCD...			1.237e3					791		2.01e4							0.000
FUNCTION1 HPCD...			1.368e3					947		2.24e4							0.000
FUNCTION2 HPCD...			4.817e2					887		9.10e3							0.000
FUNCTION3 OCDPE			4.485e2					809		9.17e3							0.000
FUNCTION4 NCDPE			3.809e2					922		7.31e3							0.000
FUNCTION5 DCDPE			0.000e0					753		0.00e0							

Method: T:\Autospec\Methods\Dioxin230131IH.mdb 03 Feb 2023 10:31:33
Calibration: 03 Feb 2023 10:33:40

ID: CS3CR, Name: 23020107, Date: 01-Feb-2023, Time: 17:56:19, Conditions: AUTOSPEC01, User: pk

TF

	Compound	RT	Ion1Area	Ion2Area	RRF	Ratio	Pred R	S/N 1	SNFlag	EMPC	Int.1	Int.2	pg
1	1289-TCDF	27.38	6.314e4	8.075e4	0.858	0.78	0.77	825.1	YES	NO	db	db	10.000
2	Total-tetrafurans	27.24	1.177e3	1.490e3	0.933	0.79	0.77	17.2	YES	NO	bd	bd	0.170
3	2378-TCDF	25.88	6.453e4	8.749e4	0.876	0.74	0.77	897.2	YES	NO	bb	bb	10.343
4	Total-tetrafurans	24.81	4.913e2	6.353e2	0.933	0.77	0.77	7.1	YES	NO	dd	db	0.072
5	1368-TCDF	22.39	7.831e4	1.003e5	1.064	0.78	0.77	1124.6	YES	NO	bb	bb	10.000

PP

	Compound	RT	Ion1Area	Ion2Area	RRF	Ratio	Pred R	S/N 1	SNFlag	EMPC	Int.1	Int.2	pg
1	13468-PECDF	27.24	4.504e5	2.910e5	1.013	1.55	1.55	7076.3	YES	NO	bb	bb	50.000

PF

	Compound	RT	Ion1Area	Ion2Area	RRF	Ratio	Pred R	S/N 1	SNFlag	EMPC	Int.1	Int.2	pg
1	12389-PECDF	32.42	3.693e5	2.481e5	0.844	1.49	1.55	1765.9	YES	NO	bb	bb	50.000
2	23478-PeCDF	31.39	3.878e5	2.552e5	0.911	1.52	1.55	1875.0	YES	NO	bb	bb	49.735
3	12378-PeCDF	30.05	3.683e5	2.382e5	0.845	1.55	1.55	1785.6	YES	NO	bb	bb	49.054
4	Total-pentafurans	28.90	6.175e4	3.932e4	0.866	1.57	1.55	301.5	YES	NO	bb	bb	8.093

HF

	Compound	RT	Ion1Area	Ion2Area	RRF	Ratio	Pred R	S/N 1	SNFlag	EMPC	Int.1	Int.2	pg
1	123678-HxCDF	35.13	3.705e5	2.941e5	1.248	1.26	1.24	1557.7	YES	NO	db	db	49.292
2	123478-HxCDF	34.99	3.439e5	2.707e5	1.182	1.27	1.24	1578.6	YES	NO	bd	bd	49.384
3	123468-HXCDF	33.34	3.538e5	2.768e5	1.197	1.28	1.24	1531.9	YES	NO	bb	bd	50.000
4	123789-HxCDF	37.01	3.044e5	2.379e5	1.187	1.28	1.24	1354.6	YES	NO	bb	bd	49.842
5	234678-HxCDF	35.99	3.473e5	2.734e5	1.229	1.27	1.24	1554.3	YES	NO	bd	bd	50.511

HPF

	Compound	RT	Ion1Area	Ion2Area	RRF	Ratio	Pred R	S/N 1	SNFlag	EMPC	Int.1	Int.2	pg
1	1234789-HpCDF	41.10	2.575e5	2.639e5	1.165	0.98	1.05	1546.5	YES	NO	bb	bb	48.293
2	Total-heptafurans	39.51	1.970e3	1.765e3	1.185	1.12	1.05	11.2	YES	NO	bb	bb	0.323
3	1234678-HpCDF	38.85	2.941e5	2.898e5	1.204	1.01	1.05	1976.6	YES	NO	bb	bb	47.249

ID: CS3CR, Name: 23020107, Date: 01-Feb-2023, Time: 17:56:19, Conditions: AUTOSPEC01, User: pk

Furans,TF,PP,PF,HF,HPF,OF

	Compound	RT	Ion1Area	Ion2Area	RRF	Ratio	Pred R	S/N 1	SNFlag	EMPC	Int.1	Int.2	pg
1	1289-TCDF	27.38	6.314e4	8.075e4	0.858	0.78	0.77	825.1	YES	NO	db	db	10.000
2	Total-tetrafurans	27.24	1.177e3	1.490e3	0.933	0.79	0.77	17.2	YES	NO	bd	bd	0.170
3	2378-TCDF	25.88	6.453e4	8.749e4	0.876	0.74	0.77	897.2	YES	NO	bb	bb	10.343
4	Total-tetrafurans	24.81	4.913e2	6.353e2	0.933	0.77	0.77	7.1	YES	NO	dd	db	0.072
5	1368-TCDF	22.39	7.831e4	1.003e5	1.064	0.78	0.77	1124.6	YES	NO	bb	bb	10.000
6	12389-PECDF	32.42	3.693e5	2.481e5	0.844	1.49	1.55	1765.9	YES	NO	bb	bb	50.000
7	23478-PeCDF	31.39	3.878e5	2.552e5	0.911	1.52	1.55	1875.0	YES	NO	bb	bb	49.735
8	12378-PeCDF	30.05	3.683e5	2.382e5	0.845	1.55	1.55	1785.6	YES	NO	bb	bb	49.054
9	Total-pentafurans	28.90	6.175e4	3.932e4	0.866	1.57	1.55	301.5	YES	NO	bb	bb	8.093
10	123678-HxCDF	35.13	3.705e5	2.941e5	1.248	1.26	1.24	1557.7	YES	NO	db	db	49.292
11	123478-HxCDF	34.99	3.439e5	2.707e5	1.182	1.27	1.24	1578.6	YES	NO	bd	bd	49.384
12	123468-HXCDF	33.34	3.538e5	2.768e5	1.197	1.28	1.24	1531.9	YES	NO	bb	bd	50.000
13	123789-HxCDF	37.01	3.044e5	2.379e5	1.187	1.28	1.24	1354.6	YES	NO	bb	bd	49.842
14	234678-HxCDF	35.99	3.473e5	2.734e5	1.229	1.27	1.24	1554.3	YES	NO	bd	bd	50.511
15	1234789-HpCDF	41.10	2.575e5	2.639e5	1.165	0.98	1.05	1546.5	YES	NO	bb	bb	48.293
16	Total-heptafurans	39.51	1.970e3	1.765e3	1.185	1.12	1.05	11.2	YES	NO	bb	bb	0.323
17	1234678-HpCDF	38.85	2.941e5	2.898e5	1.204	1.01	1.05	1976.6	YES	NO	bb	bb	47.249
18	OCDF	45.36	3.904e5	4.394e5	1.186	0.89	0.89	2021.3	YES	NO	bb	bb	88.323
19	13468-PECDF	27.24	4.504e5	2.910e5	1.013	1.55	1.55	7076.3	YES	NO	bb	bb	50.000

TD

	Compound	RT	Ion1Area	Ion2Area	RRF	Ratio	Pred R	S/N 1	SNFlag	EMPC	Int.1	Int.2	pg
1	1289-TCDD	27.12	4.896e4	6.184e4	0.975	0.79	0.77	586.4	YES	NO	bb	bb	10.000
2	2378-TCDD	26.53	5.783e4	7.140e4	1.236	0.81	0.77	690.6	YES	NO	bb	bb	9.200
3	Total-tetradioxins	26.20	8.471e4	1.070e5	1.099	0.79	0.77	703.2	YES	NO	bb	bb	15.362
4	Total-tetradioxins	25.72	2.731e4	3.262e4	1.099	0.84	0.77	331.8	YES	NO	bd	bb	4.800
5	Total-tetradioxins	25.14	7.197e2	8.821e2	1.099	0.82	0.77	7.0	YES	NO	bb	bb	0.128
6	1368-TCDD	23.66	5.365e4	6.956e4	1.084	0.77	0.77	680.3	YES	NO	bb	bb	10.000

ID: CS3CR, Name: 23020107, Date: 01-Feb-2023, Time: 17:56:19, Conditions: AUTOSPEC01, User: pk

PD

	Compound	RT	Ion1Area	Ion2Area	RRF	Ratio	Pred R	S/N 1	SNFlag	EMPC	Int.1	Int.2	pg
1	12389-PECDD	32.03	3.312e5	2.102e5	1.252	1.58	1.55	2720.3	YES	NO	bb	bb	50.000
2	12378-PeCDD	31.64	2.871e5	1.811e5	1.087	1.59	1.55	2335.1	YES	NO	bb	bb	49.835
3	Total-pentadioxins	30.97	1.319e3	9.625e2	1.392	1.37	1.55	9.7	YES	NO	bb	bb	0.190
4	Total-pentadioxins	29.24	2.122e2	1.231e2	1.392	1.72	1.55	2.9	NO	NO	bb	bb	0.028
5	12479-PECDD	28.91	4.860e5	3.082e5	1.837	1.58	1.55	2418.8	YES	NO	bb	bb	50.000

HD

	Compound	RT	Ion1Area	Ion2Area	RRF	Ratio	Pred R	S/N 1	SNFlag	EMPC	Int.1	Int.2	pg
1	124679-HXCDD	34.10	2.650e5	2.155e5	1.033	1.23	1.24	1521.7	YES	NO	bb	bb	50.000
2	123789-HxCDD	36.61	2.521e5	2.108e5	0.985	1.20	1.24	1500.2	YES	NO	bb	bb	49.951
3	123678-HxCDD	36.22	2.605e5	2.153e5	1.021	1.21	1.24	1550.9	YES	NO	db	db	49.052
4	123478-HxCDD	36.11	2.492e5	2.039e5	0.987	1.22	1.24	1555.2	YES	NO	bd	bd	49.339

HPD

	Compound	RT	Ion1Area	Ion2Area	RRF	Ratio	Pred R	S/N 1	SNFlag	EMPC	Int.1	Int.2	pg
1	1234678-HpCDD	40.35	2.309e5	2.219e5	1.253	1.04	1.05	1399.4	YES	NO	bb	bb	46.332
2	1234679-HPCDD	39.31	2.579e5	2.438e5	1.286	1.06	1.05	1669.1	YES	NO	bb	bb	50.000

ID: CS3CR, Name: 23020107, Date: 01-Feb-2023, Time: 17:56:19, Conditions: AUTOSPEC01, User: pk

Dioxins,TD,PD,HD,HPD,OD

	Compound	RT	Ion1Area	Ion2Area	RRF	Ratio	Pred R	S/N 1	SNFlag	EMPC	Int.1	Int.2	pg
1	1289-TCDD	27.12	4.896e4	6.184e4	0.975	0.79	0.77	586.4	YES	NO	bb	bb	10.000
2	2378-TCDD	26.53	5.783e4	7.140e4	1.236	0.81	0.77	690.6	YES	NO	bb	bb	9.200
3	Total-tetradioxins	26.20	8.471e4	1.070e5	1.099	0.79	0.77	703.2	YES	NO	bb	bb	15.362
4	Total-tetradioxins	25.72	2.731e4	3.262e4	1.099	0.84	0.77	331.8	YES	NO	bd	bb	4.800
5	Total-tetradioxins	25.14	7.197e2	8.821e2	1.099	0.82	0.77	7.0	YES	NO	bb	bb	0.128
6	1368-TCDD	23.66	5.365e4	6.956e4	1.084	0.77	0.77	680.3	YES	NO	bb	bb	10.000
7	12389-PECDD	32.03	3.312e5	2.102e5	1.252	1.58	1.55	2720.3	YES	NO	bb	bb	50.000
8	12378-PeCDD	31.64	2.871e5	1.811e5	1.087	1.59	1.55	2335.1	YES	NO	bb	bb	49.835
9	Total-pentadioxins	30.97	1.319e3	9.625e2	1.392	1.37	1.55	9.7	YES	NO	bb	bb	0.190
10	Total-pentadioxins	29.24	2.122e2	1.231e2	1.392	1.72	1.55	2.9	NO	NO	bb	bb	0.028
11	12479-PECDD	28.91	4.860e5	3.082e5	1.837	1.58	1.55	2418.8	YES	NO	bb	bb	50.000
12	124679-HXCDD	34.10	2.650e5	2.155e5	1.033	1.23	1.24	1521.7	YES	NO	bb	bb	50.000
13	123789-HxCDD	36.61	2.521e5	2.108e5	0.985	1.20	1.24	1500.2	YES	NO	bb	bb	49.951
14	123678-HxCDD	36.22	2.605e5	2.153e5	1.021	1.21	1.24	1550.9	YES	NO	db	db	49.052
15	123478-HxCDD	36.11	2.492e5	2.039e5	0.987	1.22	1.24	1555.2	YES	NO	bd	bd	49.339
16	1234678-HpCDD	40.35	2.309e5	2.219e5	1.253	1.04	1.05	1399.4	YES	NO	bb	bb	46.332
17	1234679-HPCDD	39.31	2.579e5	2.438e5	1.286	1.06	1.05	1669.1	YES	NO	bb	bb	50.000
18	OCDD	45.12	3.877e5	4.205e5	1.103	0.92	0.89	2156.8	YES	NO	bd	bb	92.549

ID: CS3CR, Name: 23020107, Date: 01-Feb-2023, Time: 17:56:19, Conditions: AUTOSPEC01, User: pk

TotalTEQ,Furans,Dioxins

	Compound	RT	Ion1Area	Ion2Area	RRF	Ratio	Pred R	S/N 1	SNFlag	EMPC	Int.1	Int.2	pg
1	1289-TCDF	27.38	6.314e4	8.075e4	0.858	0.78	0.77	825.1	YES	NO	db	db	10.000
2	Total-tetrafurans	27.24	1.177e3	1.490e3	0.933	0.79	0.77	17.2	YES	NO	bd	bd	0.170
3	2378-TCDF	25.88	6.453e4	8.749e4	0.876	0.74	0.77	897.2	YES	NO	bb	bb	10.343
4	Total-tetrafurans	24.81	4.913e2	6.353e2	0.933	0.77	0.77	7.1	YES	NO	dd	db	0.072
5	1368-TCDF	22.39	7.831e4	1.003e5	1.064	0.78	0.77	1124.6	YES	NO	bb	bb	10.000
6	12389-PECDF	32.42	3.693e5	2.481e5	0.844	1.49	1.55	1765.9	YES	NO	bb	bb	50.000
7	23478-PeCDF	31.39	3.878e5	2.552e5	0.911	1.52	1.55	1875.0	YES	NO	bb	bb	49.735
8	12378-PeCDF	30.05	3.683e5	2.382e5	0.845	1.55	1.55	1785.6	YES	NO	bb	bb	49.054
9	Total-pentafurans	28.90	6.175e4	3.932e4	0.866	1.57	1.55	301.5	YES	NO	bb	bb	8.093
10	123678-HxCDF	35.13	3.705e5	2.941e5	1.248	1.26	1.24	1557.7	YES	NO	db	db	49.292
11	123478-HxCDF	34.99	3.439e5	2.707e5	1.182	1.27	1.24	1578.6	YES	NO	bd	bd	49.384
12	123468-HXCDF	33.34	3.538e5	2.768e5	1.197	1.28	1.24	1531.9	YES	NO	bb	bd	50.000
13	123789-HxCDF	37.01	3.044e5	2.379e5	1.187	1.28	1.24	1354.6	YES	NO	bb	bd	49.842
14	234678-HxCDF	35.99	3.473e5	2.734e5	1.229	1.27	1.24	1554.3	YES	NO	bd	bd	50.511
15	1234789-HpCDF	41.10	2.575e5	2.639e5	1.165	0.98	1.05	1546.5	YES	NO	bb	bb	48.293
16	Total-heptafurans	39.51	1.970e3	1.765e3	1.185	1.12	1.05	11.2	YES	NO	bb	bb	0.323
17	1234678-HpCDF	38.85	2.941e5	2.898e5	1.204	1.01	1.05	1976.6	YES	NO	bb	bb	47.249
18	OCDF	45.36	3.904e5	4.394e5	1.186	0.89	0.89	2021.3	YES	NO	bb	bb	88.323
19	13468-PECDF	27.24	4.504e5	2.910e5	1.013	1.55	1.55	7076.3	YES	NO	bb	bb	50.000
20	1289-TCDD	27.12	4.896e4	6.184e4	0.975	0.79	0.77	586.4	YES	NO	bb	bb	10.000
21	2378-TCDD	26.53	5.783e4	7.140e4	1.236	0.81	0.77	690.6	YES	NO	bb	bb	9.200
22	Total-tetradioxins	26.20	8.471e4	1.070e5	1.099	0.79	0.77	703.2	YES	NO	bb	bb	15.362
23	Total-tetradioxins	25.72	2.731e4	3.262e4	1.099	0.84	0.77	331.8	YES	NO	bd	bb	4.800
24	Total-tetradioxins	25.14	7.197e2	8.821e2	1.099	0.82	0.77	7.0	YES	NO	bb	bb	0.128
25	1368-TCDD	23.66	5.365e4	6.956e4	1.084	0.77	0.77	680.3	YES	NO	bb	bb	10.000
26	12389-PECDD	32.03	3.312e5	2.102e5	1.252	1.58	1.55	2720.3	YES	NO	bb	bb	50.000
27	12378-PeCDD	31.64	2.871e5	1.811e5	1.087	1.59	1.55	2335.1	YES	NO	bb	bb	49.835
28	Total-pentadioxins	30.97	1.319e3	9.625e2	1.392	1.37	1.55	9.7	YES	NO	bb	bb	0.190
29	Total-pentadioxins	29.24	2.122e2	1.231e2	1.392	1.72	1.55	2.9	NO	NO	bb	bb	0.028
30	12479-PECDD	28.91	4.860e5	3.082e5	1.837	1.58	1.55	2418.8	YES	NO	bb	bb	50.000
31	124679-HXCDD	34.10	2.650e5	2.155e5	1.033	1.23	1.24	1521.7	YES	NO	bb	bb	50.000
32	123789-HxCDD	36.61	2.521e5	2.108e5	0.985	1.20	1.24	1500.2	YES	NO	bb	bb	49.951
33	123678-HxCDD	36.22	2.605e5	2.153e5	1.021	1.21	1.24	1550.9	YES	NO	db	db	49.052
34	123478-HxCDD	36.11	2.492e5	2.039e5	0.987	1.22	1.24	1555.2	YES	NO	bd	bd	49.339
35	1234678-HpCDD	40.35	2.309e5	2.219e5	1.253	1.04	1.05	1399.4	YES	NO	bb	bb	46.332
36	1234679-HPCDD	39.31	2.579e5	2.438e5	1.286	1.06	1.05	1669.1	YES	NO	bb	bb	50.000
37	OCDD	45.12	3.877e5	4.205e5	1.103	0.92	0.89	2156.8	YES	NO	bd	bb	92.549

ID: CS3CR, Name: 23020107, Date: 01-Feb-2023, Time: 17:56:19, Conditions: AUTOSPEC01, User: pk

PFK1

	Compound	RT	Ion1Area	Ion2Area	RRF	Ratio	Pred R	S/N 1	SNFlag	EMPC	Int.1	Int.2	pg
1	FUNCTION1 PFK	21.91	6.852e5					20.8	YES		dd		
2	FUNCTION1 PFK	21.84	1.096e6					22.0	YES		dd		
3	FUNCTION1 PFK	21.77	5.746e5					22.9	YES		dd		
4	FUNCTION1 PFK	21.71	1.001e6					23.9	YES		dd		
5	FUNCTION1 PFK	21.59	1.735e6					26.6	YES		dd		
6	FUNCTION1 PFK	21.47	1.869e6					28.4	YES		dd		
7	FUNCTION1 PFK	21.35	2.030e6					30.8	YES		dd		
8	FUNCTION1 PFK	21.25	1.366e6					32.7	YES		dd		
9	FUNCTION1 PFK	21.13	3.514e6					34.9	YES		bd		
10	FUNCTION1 PFK	23.42	1.745e4					0.9	NO		db		
11	FUNCTION1 PFK	23.36	2.629e4					1.1	NO		dd		
12	FUNCTION1 PFK	23.30	5.605e4					1.4	NO		bd		
13	FUNCTION1 PFK	23.16	2.732e4					0.9	NO		bb		
14	FUNCTION1 PFK	22.89	1.080e5					3.0	YES		db		
15	FUNCTION1 PFK	22.81	1.442e5					3.9	YES		dd		
16	FUNCTION1 PFK	22.75	1.516e5					4.8	YES		dd		
17	FUNCTION1 PFK	22.69	1.790e5					5.6	YES		dd		
18	FUNCTION1 PFK	22.56	6.347e5					8.4	YES		dd		
19	FUNCTION1 PFK	22.42	5.662e5					10.5	YES		dd		
20	FUNCTION1 PFK	22.36	4.892e5					12.2	YES		dd		
21	FUNCTION1 PFK	22.30	4.241e5					12.7	YES		dd		
22	FUNCTION1 PFK	22.18	1.005e6					15.7	YES		dd		
23	FUNCTION1 PFK	22.10	6.911e5					16.7	YES		dd		
24	FUNCTION1 PFK	22.04	6.019e5					18.1	YES		dd		
25	FUNCTION1 PFK	21.98	6.245e5					18.6	YES		dd		
26	FUNCTION1 PFK	25.17	1.799e4					0.9	NO		bb		
27	FUNCTION1 PFK	25.05	6.677e4					1.7	NO		bb		
28	FUNCTION1 PFK	24.97	5.669e3					0.4	NO		db		
29	FUNCTION1 PFK	24.93	2.665e4					1.1	NO		bd		
30	FUNCTION1 PFK	24.79	9.106e3					0.5	NO		bb		
31	FUNCTION1 PFK	24.70	2.803e4					1.0	NO		bb		
32	FUNCTION1 PFK	24.60	2.266e4					1.1	NO		bb		
33	FUNCTION1 PFK	24.51	2.481e3					0.3	NO		bb		
34	FUNCTION1 PFK	24.26	2.953e3					0.3	NO		bb		
35	FUNCTION1 PFK	24.07	3.464e4					0.9	NO		db		
36	FUNCTION1 PFK	23.95	2.818e4					0.8	NO		bd		
37	FUNCTION1 PFK	23.86	1.761e4					1.0	NO		bb		

ID: CS3CR, Name: 23020107, Date: 01-Feb-2023, Time: 17:56:19, Conditions: AUTOSPEC01, User: pk

PFK1

	Compound	RT	Ion1Area	Ion2Area	RRF	Ratio	Pred R	S/N 1	SNFlag	EMPC	Int.1	Int.2	pg
38	FUNCTION1 PFK	23.80	2.745e4					1.4	NO		db		
39	FUNCTION1 PFK	23.75	2.279e4					1.2	NO		bd		
40	FUNCTION1 PFK	23.57	1.177e3					0.1	NO		bb		
41	FUNCTION1 PFK	23.51	3.339e4					1.1	NO		bb		
42	FUNCTION1 PFK	26.92	1.624e4					0.8	NO		bd		
43	FUNCTION1 PFK	26.85	6.743e4					2.0	NO		db		
44	FUNCTION1 PFK	26.77	3.605e4					1.4	NO		dd		
45	FUNCTION1 PFK	26.71	5.041e4					1.7	NO		dd		
46	FUNCTION1 PFK	26.64	3.066e4					1.2	NO		dd		
47	FUNCTION1 PFK	26.58	3.222e4					1.5	NO		bd		
48	FUNCTION1 PFK	26.50	4.287e4					1.3	NO		bb		
49	FUNCTION1 PFK	26.32	9.896e3					0.6	NO		bb		
50	FUNCTION1 PFK	26.26	3.724e4					1.5	NO		bb		
51	FUNCTION1 PFK	26.18	3.323e3					0.4	NO		bb		
52	FUNCTION1 PFK	26.05	1.864e4					1.0	NO		bb		
53	FUNCTION1 PFK	25.91	1.114e4					0.6	NO		bb		
54	FUNCTION1 PFK	25.79	1.895e4					1.1	NO		db		
55	FUNCTION1 PFK	25.72	1.527e4					0.8	NO		bd		
56	FUNCTION1 PFK	25.56	6.069e4					1.2	NO		bb		
57	FUNCTION1 PFK	25.32	2.043e4					0.8	NO		bb		
58	FUNCTION1 PFK	28.10	6.905e3					0.5	NO		bb		
59	FUNCTION1 PFK	28.04	4.818e3					0.4	NO		bb		
60	FUNCTION1 PFK	27.71	1.514e4					0.8	NO		bb		
61	FUNCTION1 PFK	27.65	3.709e4					1.3	NO		db		
62	FUNCTION1 PFK	27.59	2.458e4					1.3	NO		dd		
63	FUNCTION1 PFK	27.53	4.906e4					1.8	NO		bd		
64	FUNCTION1 PFK	27.44	2.074e4					1.1	NO		db		
65	FUNCTION1 PFK	27.38	2.487e4					1.2	NO		dd		
66	FUNCTION1 PFK	27.24	6.345e4					1.2	NO		bd		
67	FUNCTION1 PFK	26.99	2.492e4					1.1	NO		db		

PFK2

	Compound	RT	Ion1Area	Ion2Area	RRF	Ratio	Pred R	S/N 1	SNFlag	EMPC	Int.1	Int.2	pg
1													

ID: CS3CR, Name: 23020107, Date: 01-Feb-2023, Time: 17:56:19, Conditions: AUTOSPEC01, User: pk

PFK3

	Compound	RT	Ion1Area	Ion2Area	RRF	Ratio	Pred R	S/N 1	SNFlag	EMPC	Int.1	Int.2	pg
1	FUNCTION3 PFK	34.79	2.481e4					1.5	NO		bb		0.000
2	FUNCTION3 PFK	33.58	3.048e3					0.6	NO		bb		0.000

ID: CS3CR, Name: 23020107, Date: 01-Feb-2023, Time: 17:56:19, Conditions: AUTOSPEC01, User: pk

PFK4

	Compound	RT	Ion1Area	Ion2Area	RRF	Ratio	Pred R	S/N 1	SNFlag	EMPC	Int.1	Int.2	pg
1	FUNCTION4 PFK	38.11	2.881e5					5.9	YES		bd		
2	FUNCTION4 PFK	40.30	1.799e3					0.6	NO		bb		
3	FUNCTION4 PFK	40.24	8.794e3					0.9	NO		bb		
4	FUNCTION4 PFK	39.76	2.592e4					1.9	NO		bb		
5	FUNCTION4 PFK	39.53	1.727e3					0.6	NO		bb		
6	FUNCTION4 PFK	39.42	8.213e3					1.1	NO		db		
7	FUNCTION4 PFK	39.37	5.168e3					0.8	NO		bd		
8	FUNCTION4 PFK	39.28	3.722e4					2.1	NO		bb		
9	FUNCTION4 PFK	39.18	4.002e3					0.6	NO		bb		
10	FUNCTION4 PFK	39.14	3.342e3					0.8	NO		bb		
11	FUNCTION4 PFK	38.74	2.110e3					0.5	NO		bb		
12	FUNCTION4 PFK	38.66	1.735e4					1.0	NO		bb		
13	FUNCTION4 PFK	38.54	3.610e3					0.6	NO		db		
14	FUNCTION4 PFK	38.50	2.411e3					0.6	NO		bd		
15	FUNCTION4 PFK	38.43	2.873e4					2.5	NO		db		
16	FUNCTION4 PFK	38.38	2.222e4					2.3	NO		dd		
17	FUNCTION4 PFK	38.32	4.040e4					3.1	YES		dd		
18	FUNCTION4 PFK	42.54	1.660e3					0.6	NO		bb		
19	FUNCTION4 PFK	42.49	5.115e3					0.7	NO		db		
20	FUNCTION4 PFK	42.43	1.342e4					1.1	NO		dd		
21	FUNCTION4 PFK	42.39	8.107e3					1.2	NO		dd		
22	FUNCTION4 PFK	42.35	1.540e4					1.7	NO		bd		
23	FUNCTION4 PFK	42.28	2.692e4					2.0	NO		bb		
24	FUNCTION4 PFK	41.95	3.858e3					0.8	NO		bb		
25	FUNCTION4 PFK	41.80	3.979e4					2.0	NO		db		
26	FUNCTION4 PFK	41.65	1.699e4					1.5	NO		bd		
27	FUNCTION4 PFK	41.55	1.804e4					1.5	NO		db		
28	FUNCTION4 PFK	41.49	1.585e4					1.6	NO		dd		
29	FUNCTION4 PFK	41.42	1.775e4					1.4	NO		dd		
30	FUNCTION4 PFK	41.29	3.051e4					1.6	NO		bd		
31	FUNCTION4 PFK	41.07	3.910e3					0.8	NO		bb		
32	FUNCTION4 PFK	40.83	2.327e4					1.7	NO		bb		
33	FUNCTION4 PFK	40.44	5.321e3					0.8	NO		bb		
34	FUNCTION4 PFK	42.75	1.970e3					0.4	NO		bb		
35	FUNCTION4 PFK	42.66	4.393e3					0.6	NO		bb		

ID: CS3CR, Name: 23020107, Date: 01-Feb-2023, Time: 17:56:19, Conditions: AUTOSPEC01, User: pk

PFK5

	Compound	RT	Ion1Area	Ion2Area	RRF	Ratio	Pred R	S/N 1	SNFlag	EMPC	Int.1	Int.2	pg
1	FUNCTION5 PFK	44.93	2.684e3					0.8	NO		bb		
2	FUNCTION5 PFK	44.87	6.256e3					1.5	NO		bb		
3	FUNCTION5 PFK	44.78	1.077e4					1.6	NO		bb		
4	FUNCTION5 PFK	44.72	7.200e2					0.5	NO		bb		
5	FUNCTION5 PFK	44.65	1.235e3					0.8	NO		bb		
6	FUNCTION5 PFK	44.28	7.736e2					0.5	NO		bb		
7	FUNCTION5 PFK	44.24	1.418e3					0.7	NO		db		
8	FUNCTION5 PFK	44.21	4.442e3					1.2	NO		bd		
9	FUNCTION5 PFK	44.18	5.811e3					0.9	NO		bb		
10	FUNCTION5 PFK	43.82	5.499e3					1.3	NO		bb		
11	FUNCTION5 PFK	43.56	1.617e4					1.7	NO		bb		
12	FUNCTION5 PFK	43.36	1.625e3					0.7	NO		bb		
13	FUNCTION5 PFK	43.23	2.679e3					0.9	NO		bb		
14	FUNCTION5 PFK	46.45	4.419e3					1.2	NO		bb		
15	FUNCTION5 PFK	46.36	5.978e3					1.0	NO		bb		
16	FUNCTION5 PFK	46.26	2.259e3					0.8	NO		bb		
17	FUNCTION5 PFK	46.07	3.509e3					1.0	NO		bb		
18	FUNCTION5 PFK	45.84	4.173e3					1.3	NO		bb		
19	FUNCTION5 PFK	45.76	6.984e2					0.4	NO		bb		
20	FUNCTION5 PFK	45.72	1.077e3					0.7	NO		bb		
21	FUNCTION5 PFK	45.60	7.851e2					0.5	NO		bb		
22	FUNCTION5 PFK	45.54	4.517e3					1.2	NO		db		
23	FUNCTION5 PFK	45.49	1.078e4					1.5	NO		dd		
24	FUNCTION5 PFK	45.41	6.756e3					1.7	NO		dd		
25	FUNCTION5 PFK	45.38	1.279e4					2.2	NO		bd		
26	FUNCTION5 PFK	45.28	8.503e2					0.4	NO		bb		
27	FUNCTION5 PFK	45.04	4.420e3					1.2	NO		bb		
28	FUNCTION5 PFK	44.98	7.643e2					0.5	NO		bb		

ID: CS3CR, Name: 23020107, Date: 01-Feb-2023, Time: 17:56:19, Conditions: AUTOSPEC01, User: pk

ETHERS1

	Compound	RT	Ion1Area	Ion2Area	RRF	Ratio	Pred R	S/N 1	SNFlag	EMPC	Int.1	Int.2	pg
1	FUNCTION1 HXCD...	27.82	2.306e2					4.0	YES		db		0.000
2	FUNCTION1 HXCD...	27.74	8.055e1					1.8	NO		bd		0.000
3	FUNCTION1 HXCD...	27.59	1.178e2					2.5	NO		bb		0.000
4	FUNCTION1 HXCD...	27.21	1.030e2					1.7	NO		bb		0.000
5	FUNCTION1 HXCD...	27.02	8.155e1					1.5	NO		db		0.000
6	FUNCTION1 HXCD...	26.85	8.440e1					2.6	NO		bd		0.000
7	FUNCTION1 HXCD...	26.52	1.203e2					2.7	NO		bb		0.000
8	FUNCTION1 HXCD...	25.93	1.681e2					3.0	YES		bb		0.000
9	FUNCTION1 HXCD...	24.22	7.069e1					2.3	NO		bb		0.000
10	FUNCTION1 HXCD...	23.52	8.011e1					1.5	NO		bb		0.000
11	FUNCTION1 HXCD...	21.12	9.981e1					1.8	NO		bb		0.000

ETHERS2

	Compound	RT	Ion1Area	Ion2Area	RRF	Ratio	Pred R	S/N 1	SNFlag	EMPC	Int.1	Int.2	pg
1	FUNCTION1 HPCD...	23.48	8.076e1					2.6	NO		bb		0.000
2	FUNCTION1 HPCD...	21.66	8.657e1					2.4	NO		bb		0.000
3	FUNCTION1 HPCD...	21.27	8.855e1					2.3	NO		db		0.000
4	FUNCTION1 HPCD...	21.16	2.367e2					2.7	NO		bd		0.000
5	FUNCTION1 HPCD...	27.79	1.270e2					2.7	NO		bb		0.000
6	FUNCTION1 HPCD...	26.52	1.210e2					2.0	NO		bb		0.000
7	FUNCTION1 HPCD...	25.97	9.169e1					1.5	NO		db		0.000
8	FUNCTION1 HPCD...	25.88	1.471e2					2.3	NO		dd		0.000
9	FUNCTION1 HPCD...	25.73	1.363e2					1.9	NO		bd		0.000
10	FUNCTION1 HPCD...	24.82	1.792e2					1.5	NO		db		0.000
11	FUNCTION1 HPCD...	24.63	7.297e1					1.7	NO		bd		0.000

ETHERS3

	Compound	RT	Ion1Area	Ion2Area	RRF	Ratio	Pred R	S/N 1	SNFlag	EMPC	Int.1	Int.2	pg
1	FUNCTION2 HPCD...	32.64	8.233e1					2.0	NO		bb		0.000
2	FUNCTION2 HPCD...	31.26	3.994e2					8.3	YES		bb		0.000

ID: CS3CR, Name: 23020107, Date: 01-Feb-2023, Time: 17:56:19, Conditions: AUTOSPEC01, User: pk

ETHERS4

	Compound	RT	Ion1Area	Ion2Area	RRF	Ratio	Pred R	S/N 1	SNFlag	EMPC	Int.1	Int.2	pg
1	FUNCTION3 OCDPE	36.42	1.052e2					1.7	NO		bb		0.000
2	FUNCTION3 OCDPE	36.19	9.953e1					2.2	NO		bb		0.000
3	FUNCTION3 OCDPE	34.50	7.262e1					2.2	NO		bb		0.000
4	FUNCTION3 OCDPE	33.58	9.379e1					1.9	NO		bb		0.000
5	FUNCTION3 OCDPE	33.20	7.737e1					3.3	YES		bb		0.000

ETHERS5

	Compound	RT	Ion1Area	Ion2Area	RRF	Ratio	Pred R	S/N 1	SNFlag	EMPC	Int.1	Int.2	pg
1	FUNCTION4 NCDPE	42.82	9.720e1					2.9	NO		bb		0.000
2	FUNCTION4 NCDPE	42.34	7.165e1					2.1	NO		bb		0.000
3	FUNCTION4 NCDPE	40.58	7.068e1					1.3	NO		bb		0.000
4	FUNCTION4 NCDPE	40.40	1.414e2					1.7	NO		bb		0.000

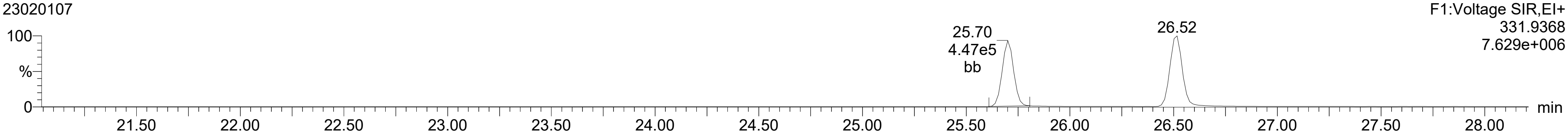
ETHERS6

	Compound	RT	Ion1Area	Ion2Area	RRF	Ratio	Pred R	S/N 1	SNFlag	EMPC	Int.1	Int.2	pg
1													

Method: T:\Autospec\Methods\Dioxin230131IH.mdb 03 Feb 2023 10:31:33
Calibration: 03 Feb 2023 10:33:40

ID: CS3CR, Name: 23020107, Date: 01-Feb-2023, Time: 17:56:19, Conditions: AUTOSPEC01, User: pk

13C-1234-TCDD



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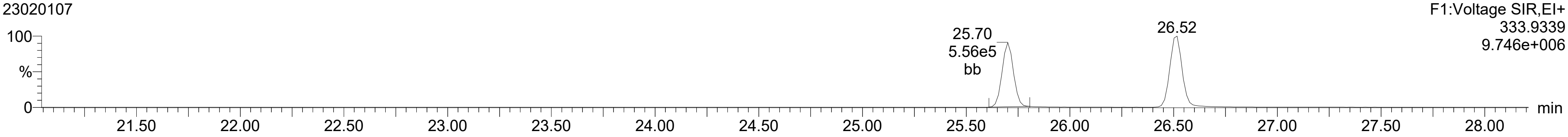

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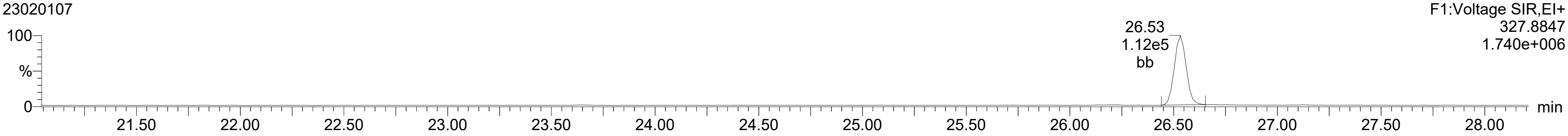

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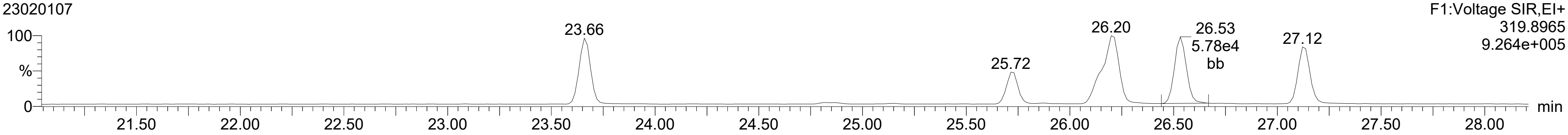

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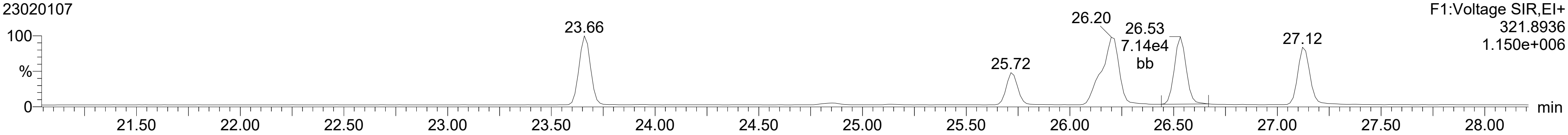

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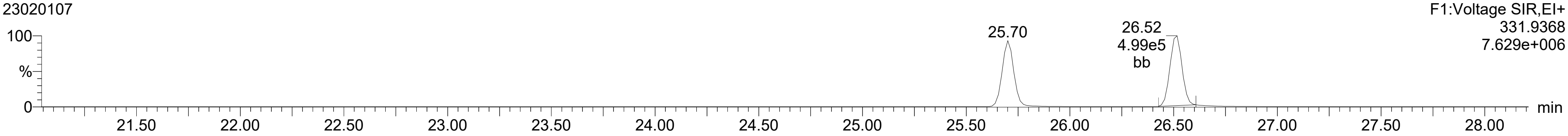

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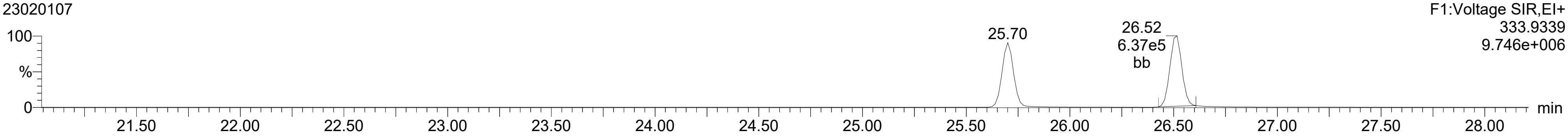

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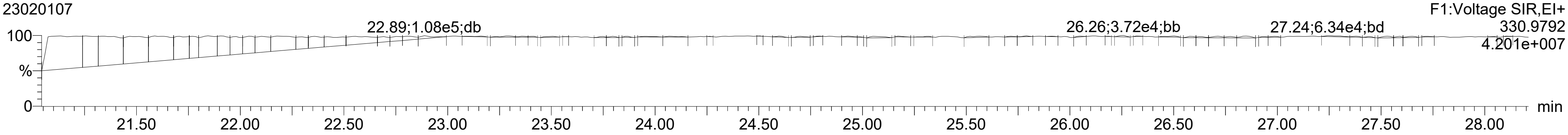

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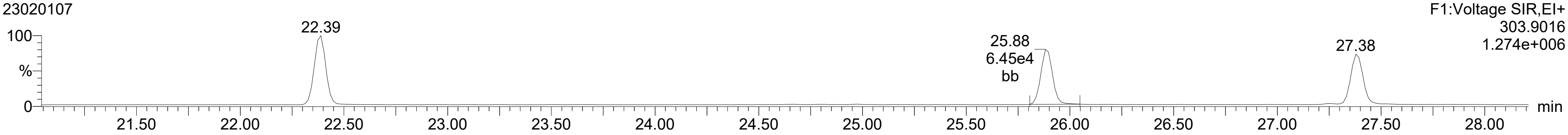

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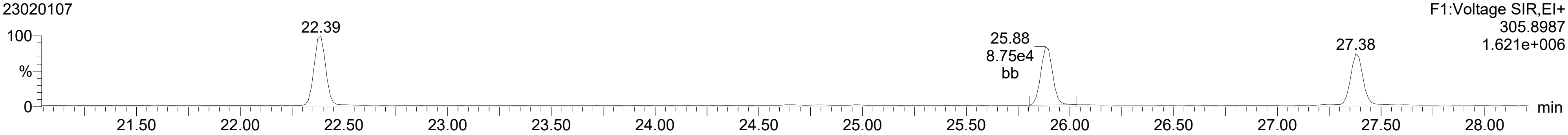

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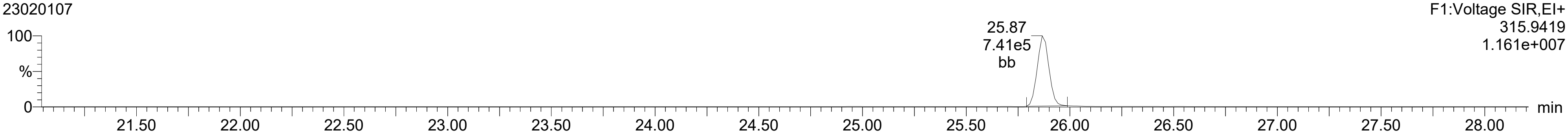

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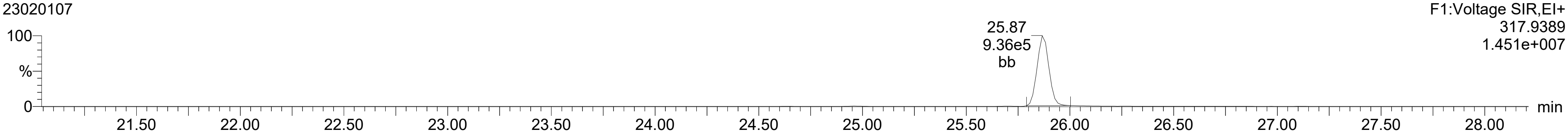
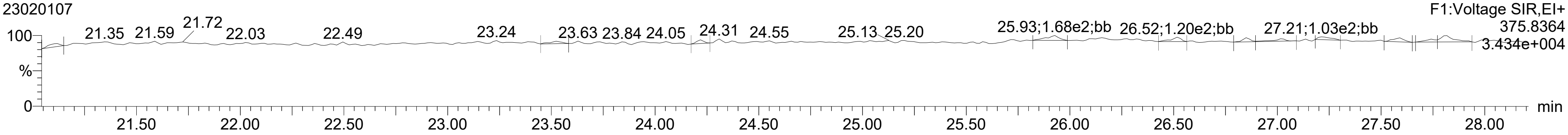


FUNCTION1 HXCDPE



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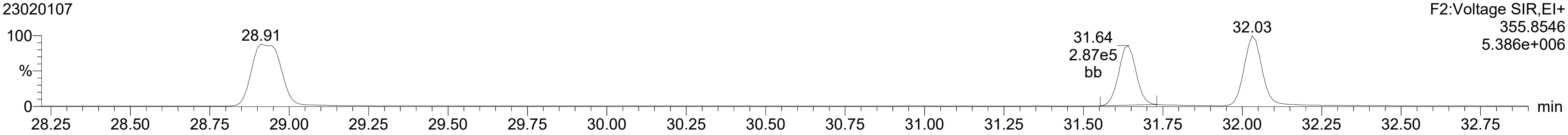
12378-PeCDD



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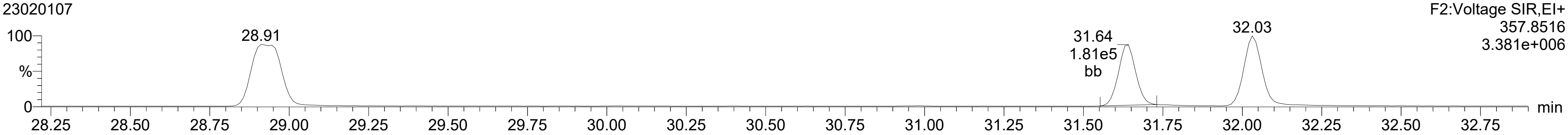

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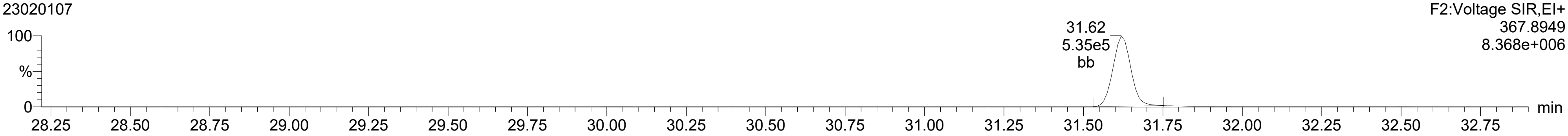

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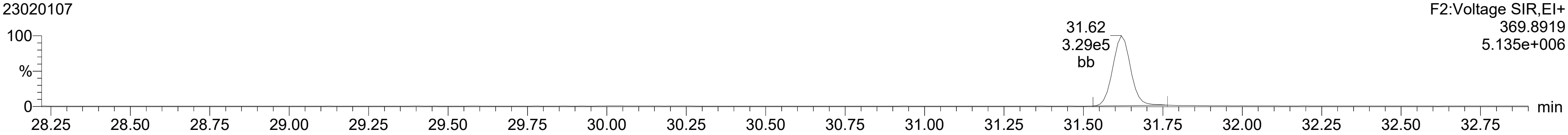
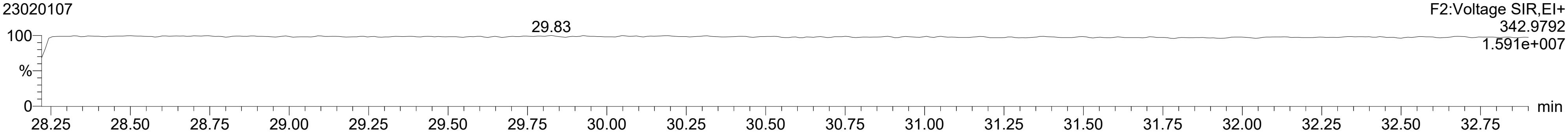


FUNCTION2 PFK



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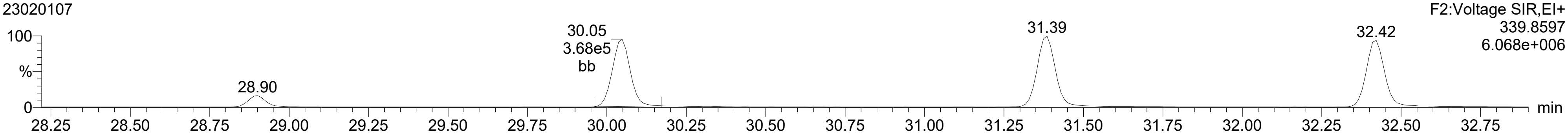

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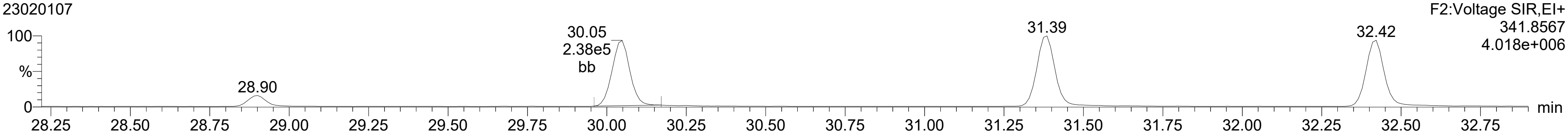

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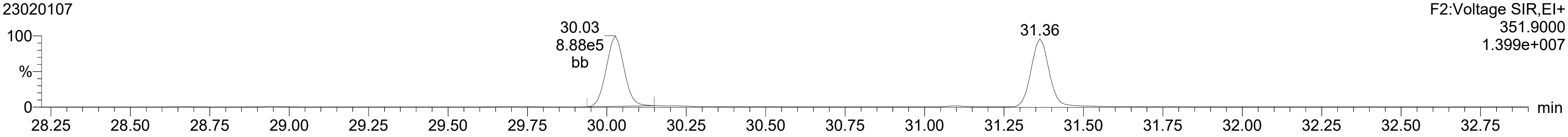

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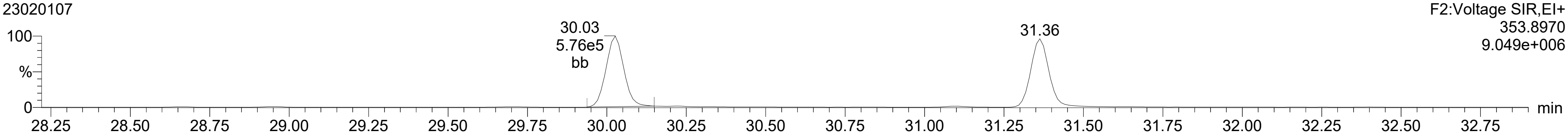
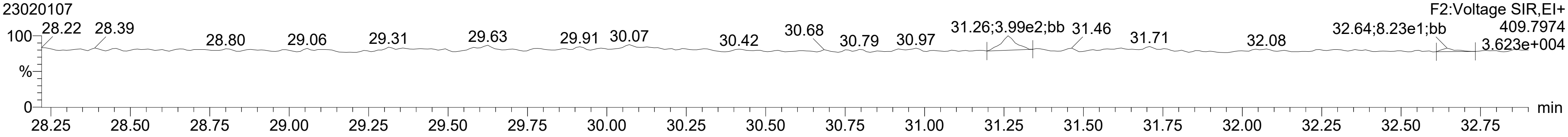


FUNCTION2 HPCDPE



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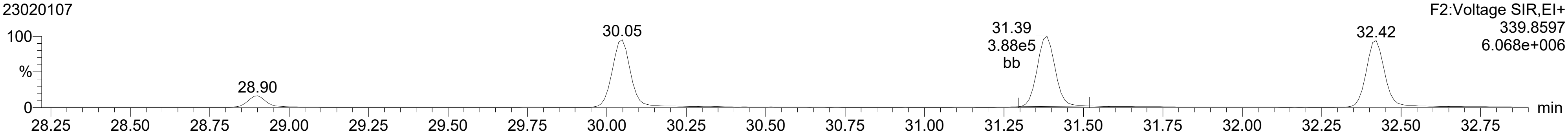
23478-PeCDF



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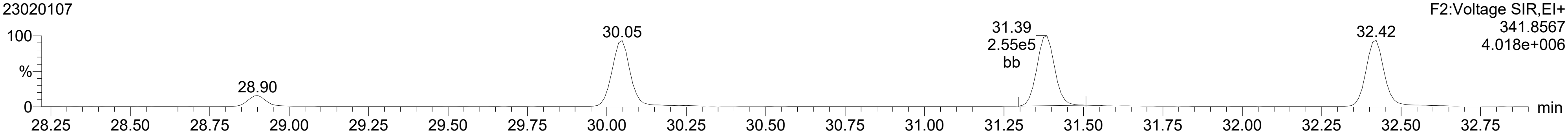

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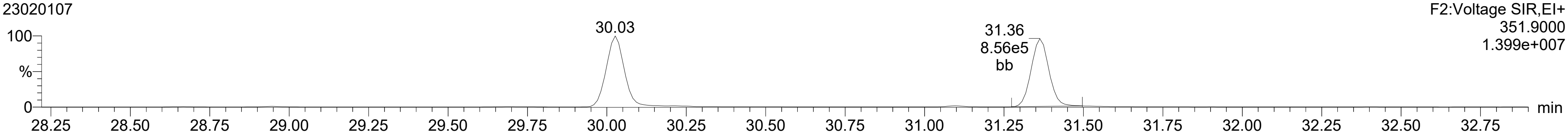

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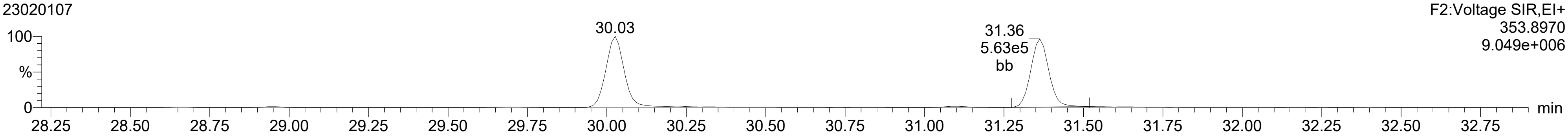
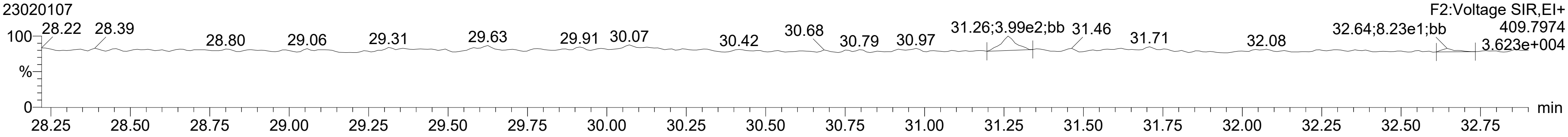


FUNCTION2 HPCDPE



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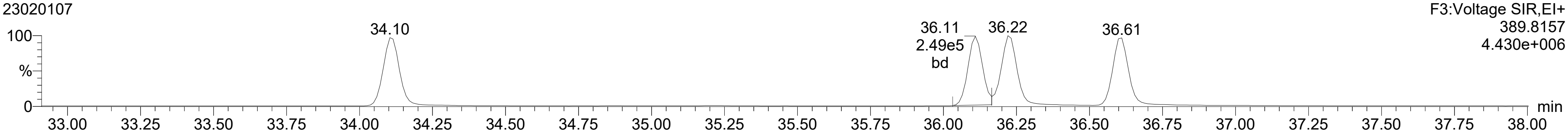
123478-HxCDD



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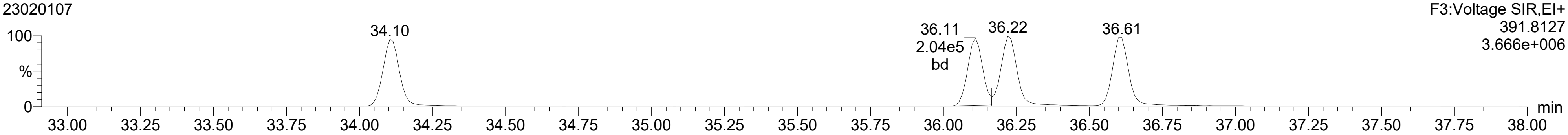

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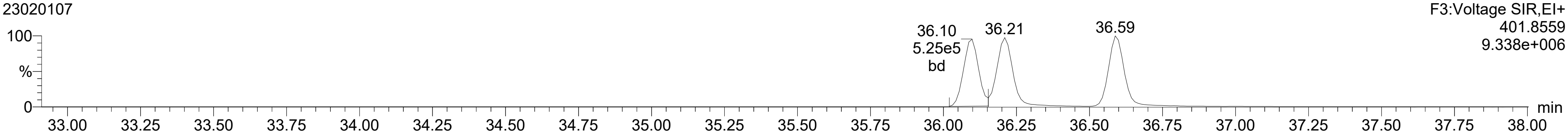

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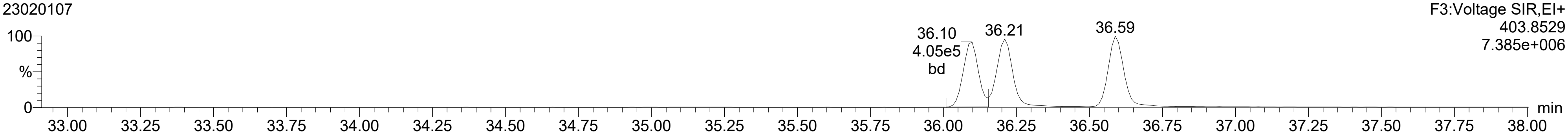
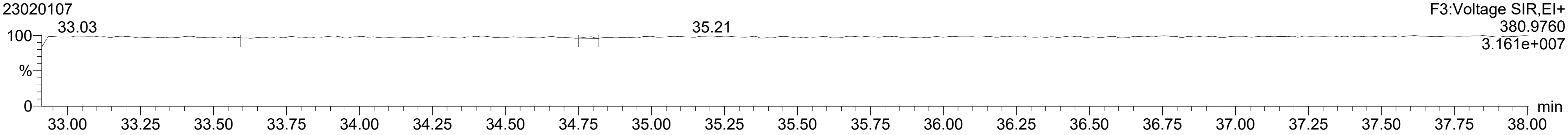


FUNCTION3 PFK



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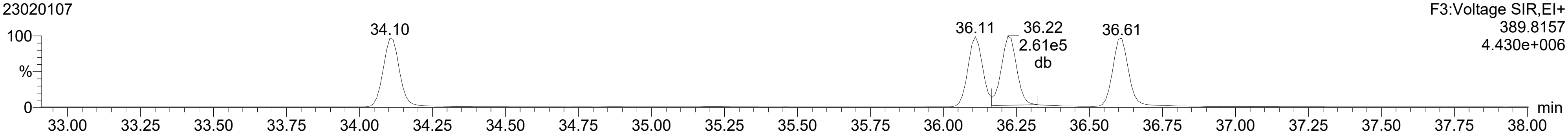

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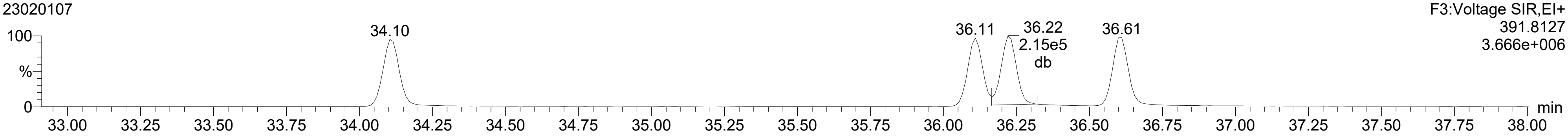

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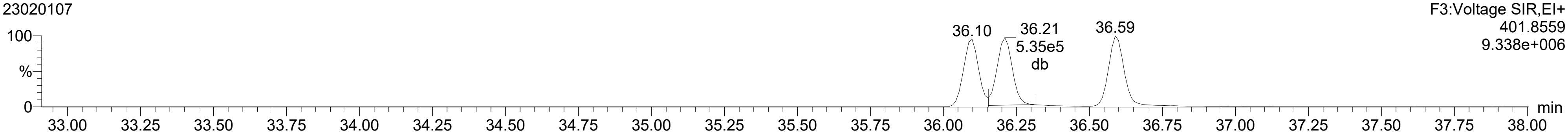

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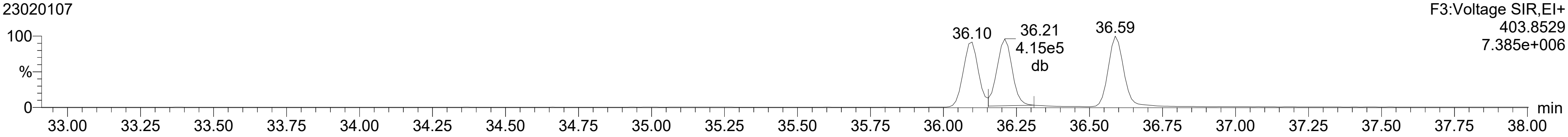

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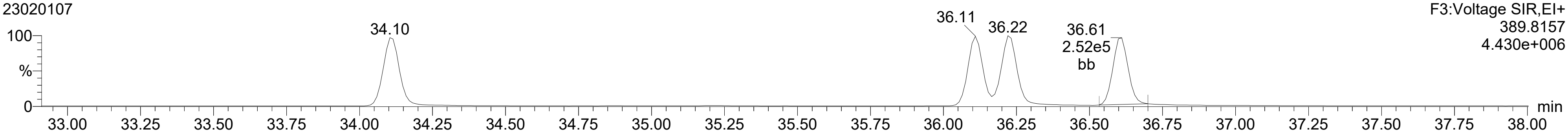
123789-HxCDD



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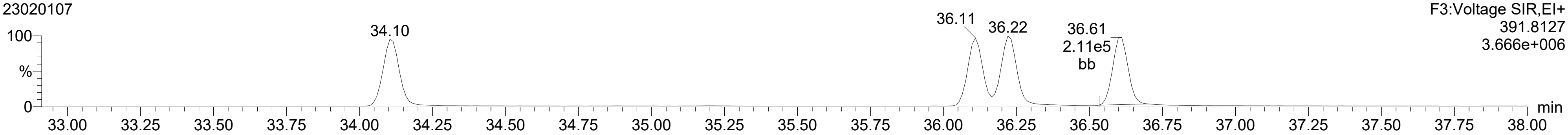

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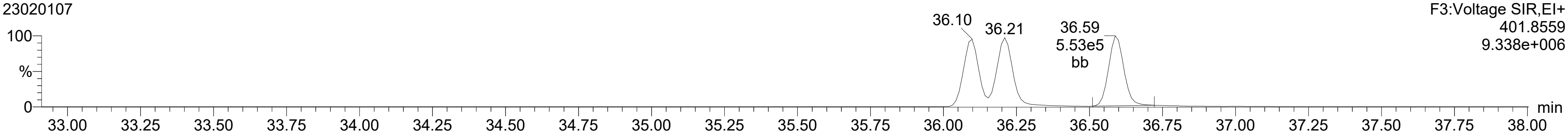

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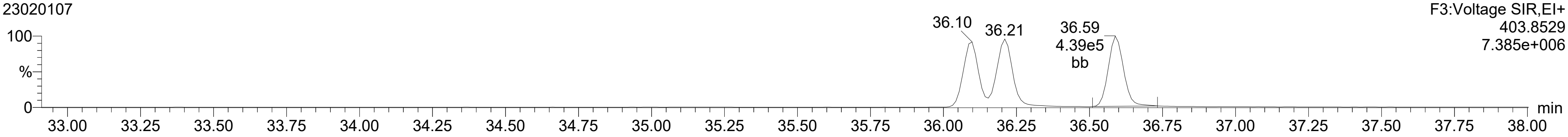

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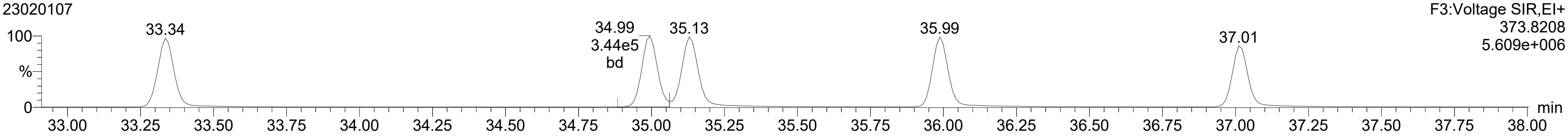

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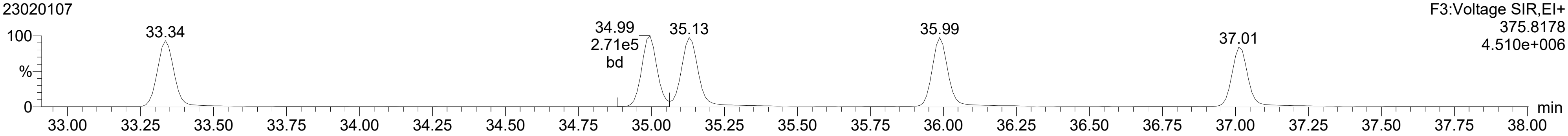

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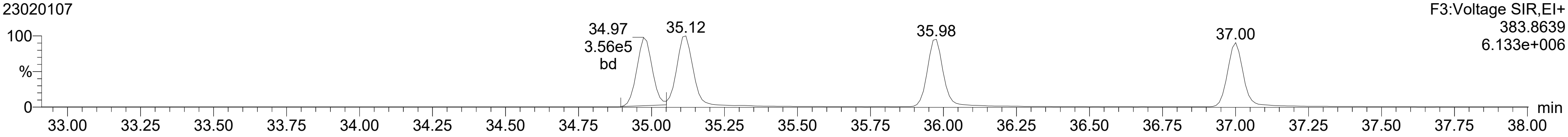

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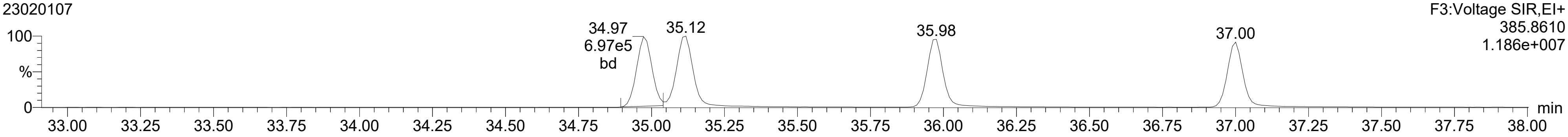

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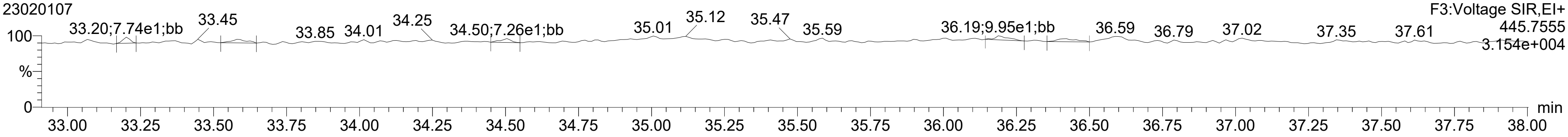

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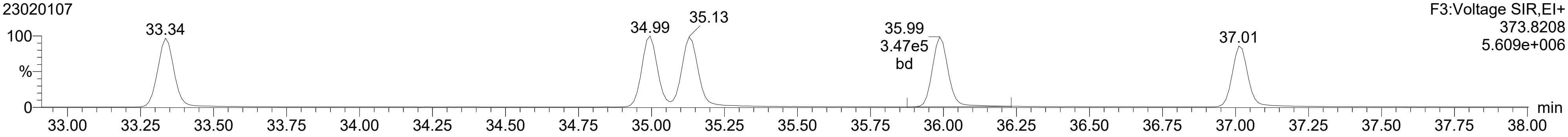

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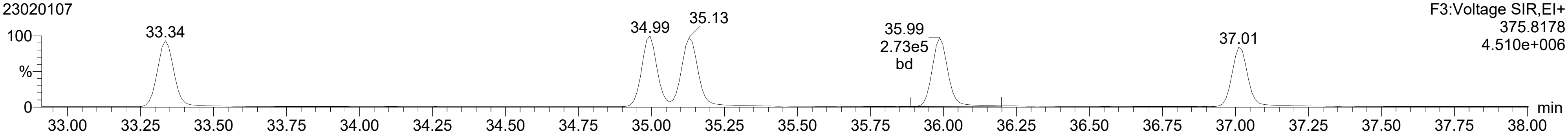

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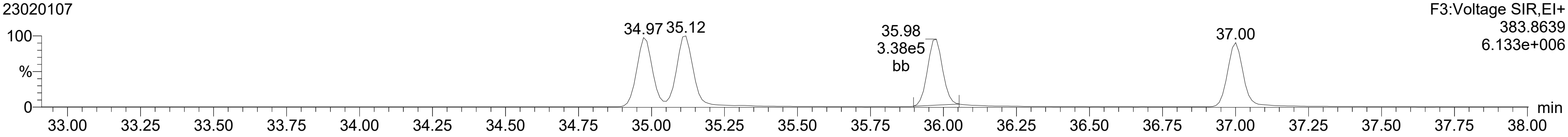

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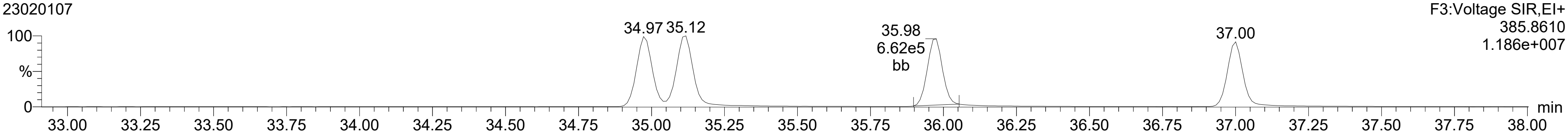

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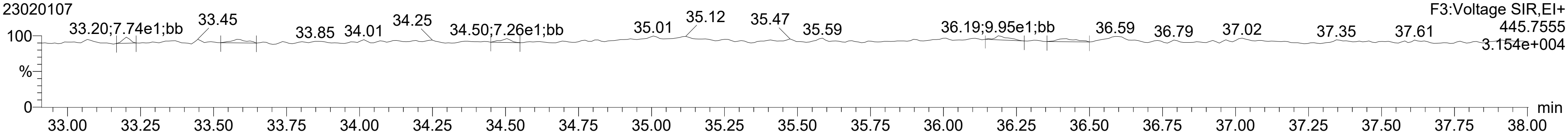

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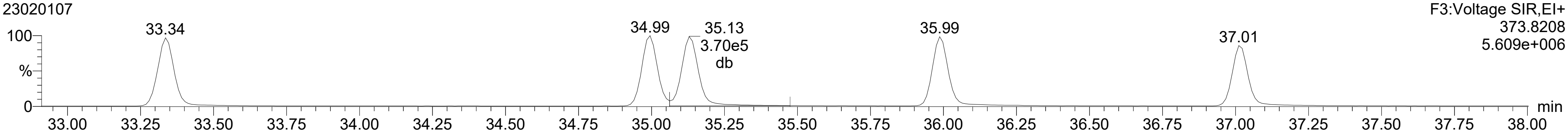

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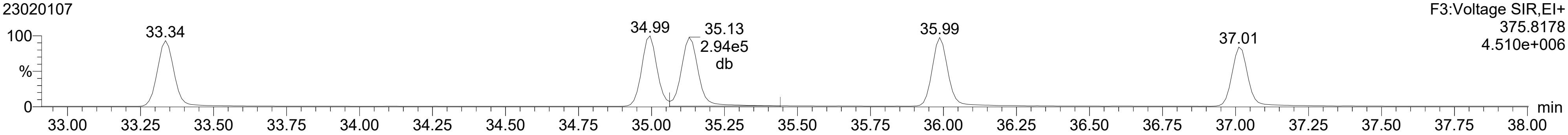

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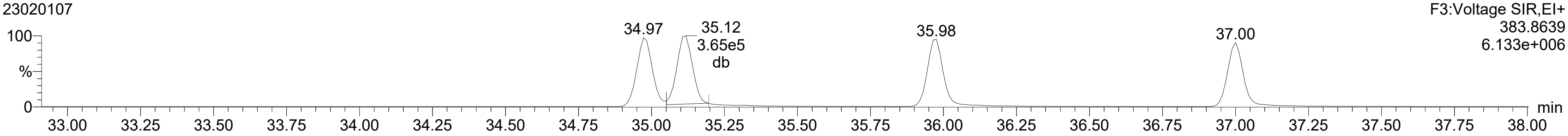

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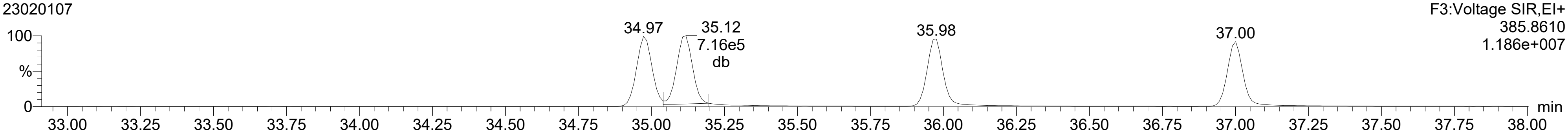

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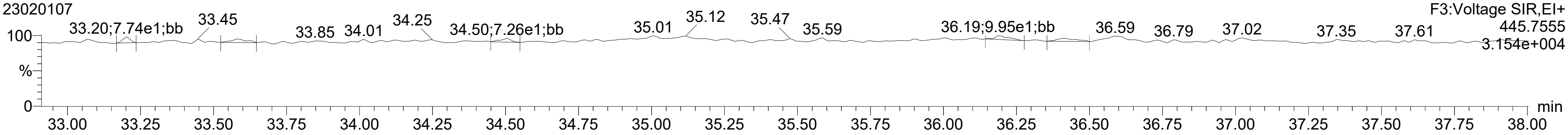

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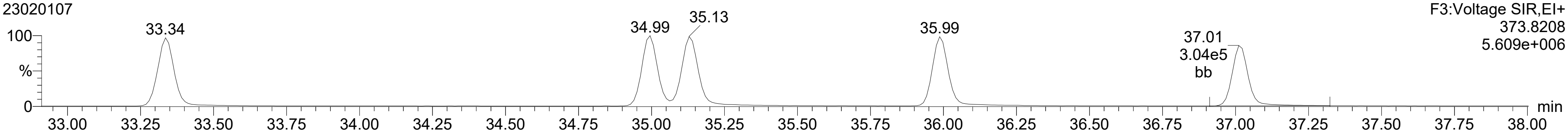

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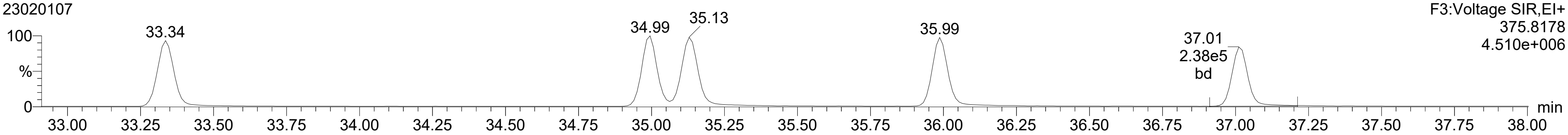

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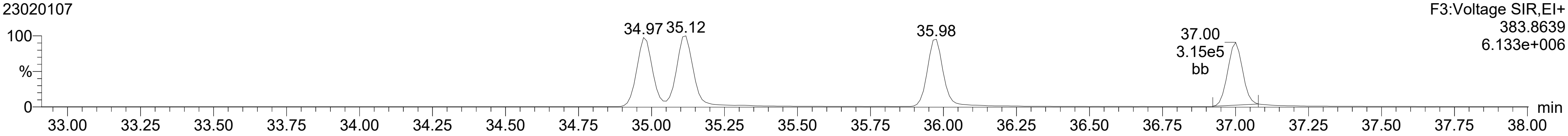

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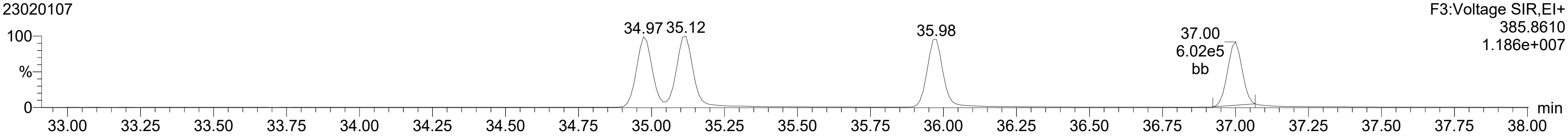

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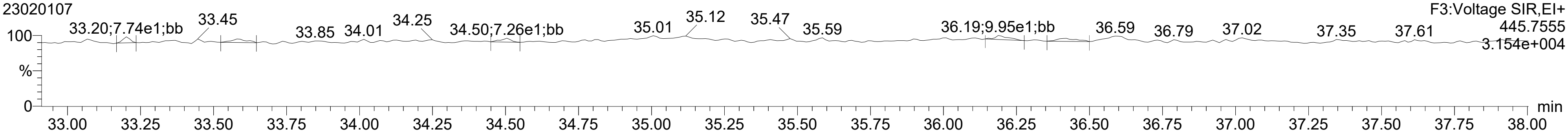

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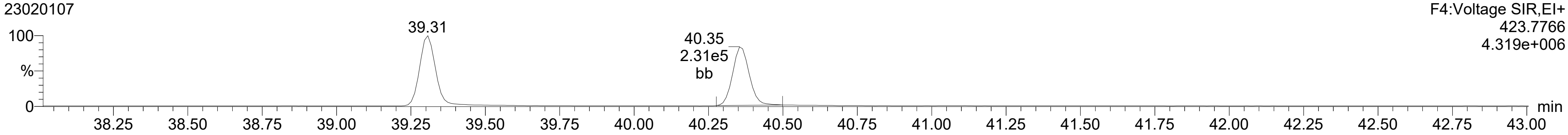

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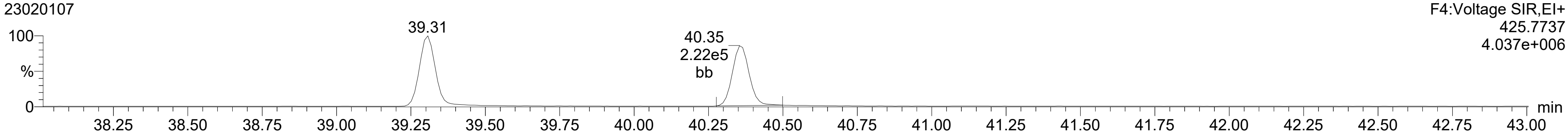

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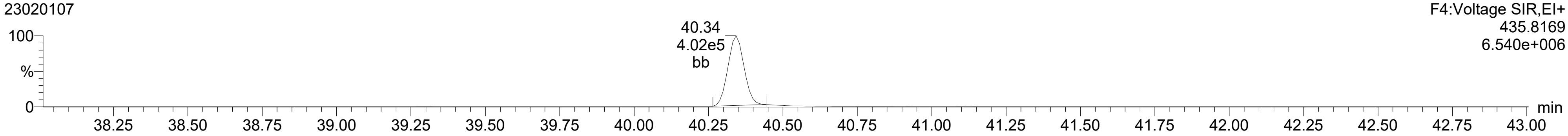

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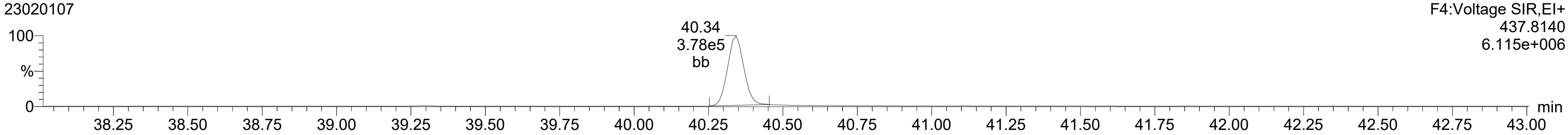

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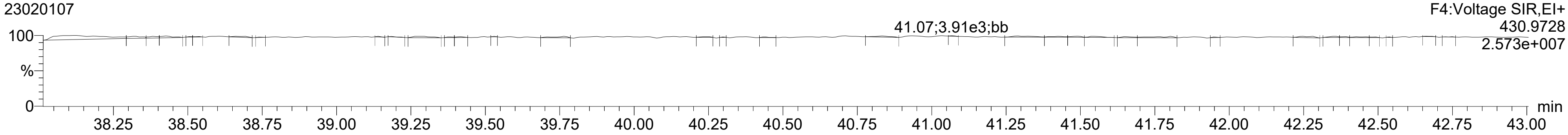

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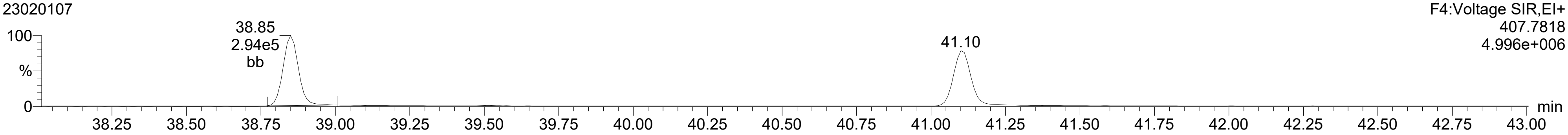

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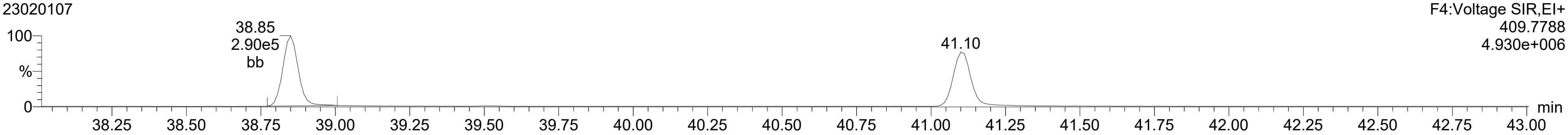

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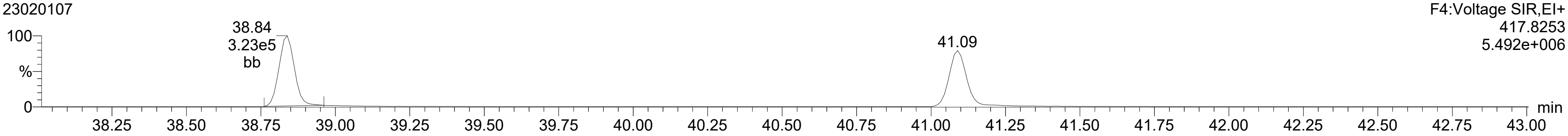

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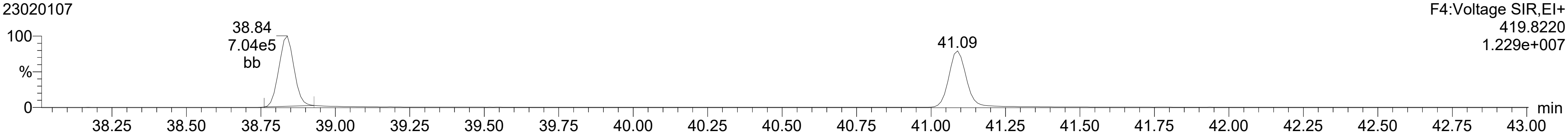

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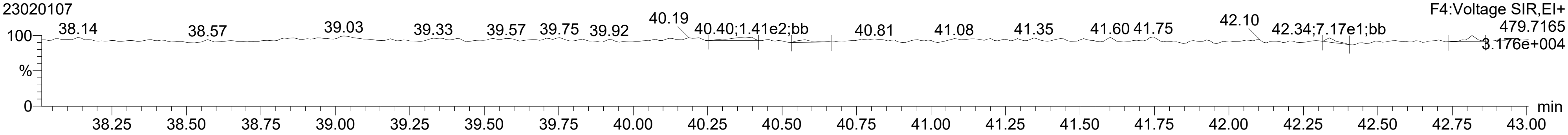

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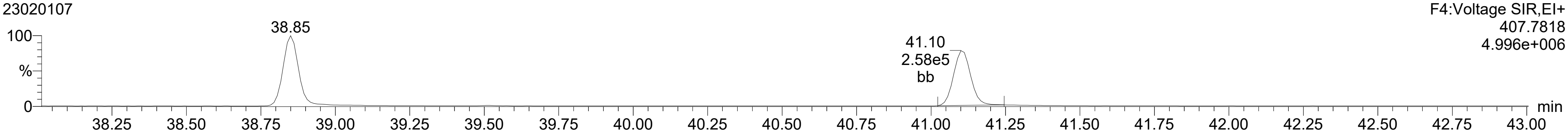

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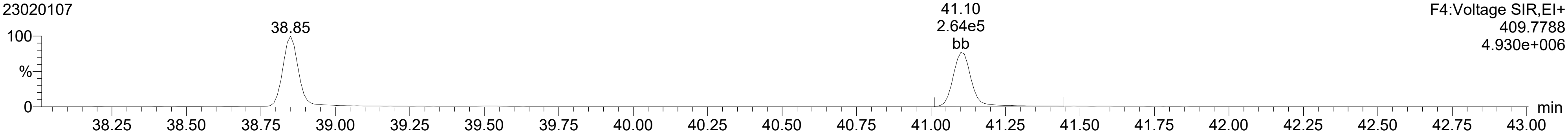

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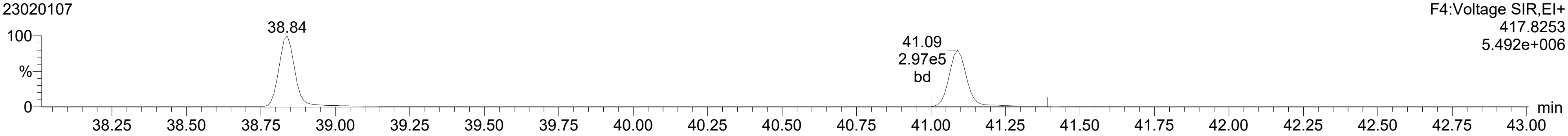

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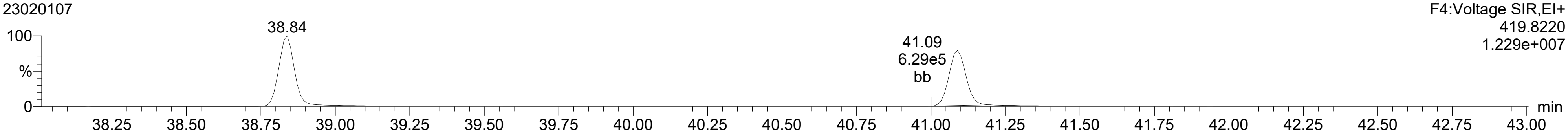

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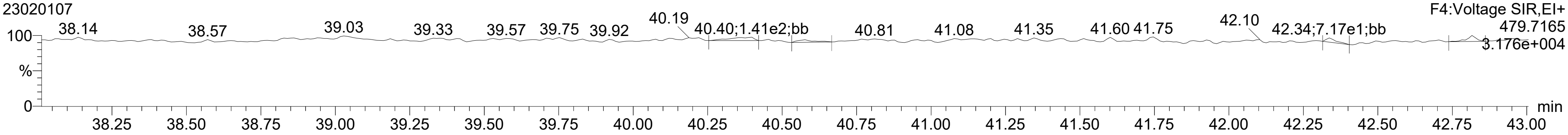

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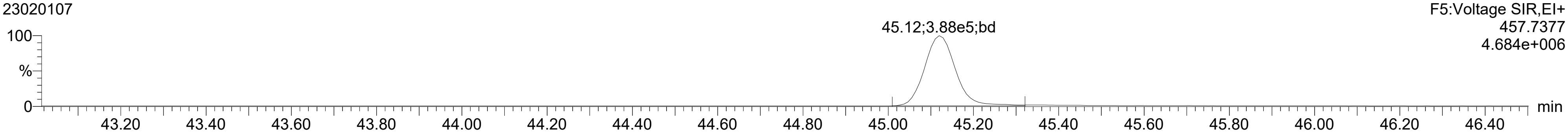

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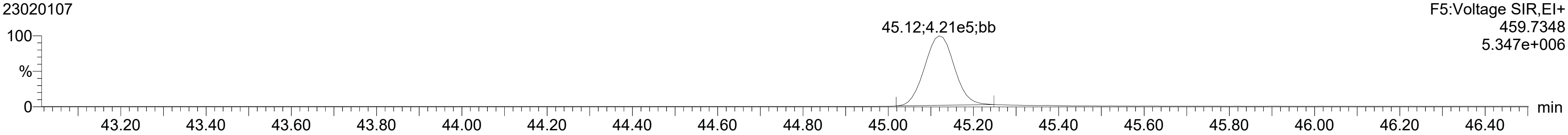

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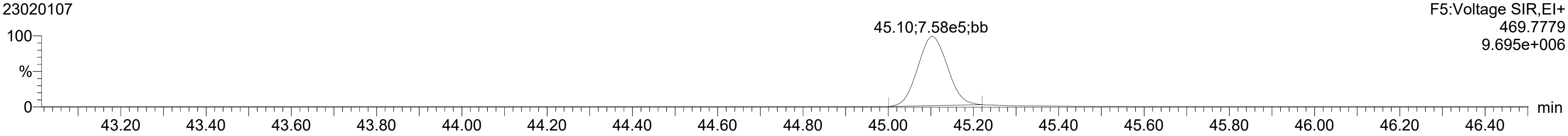

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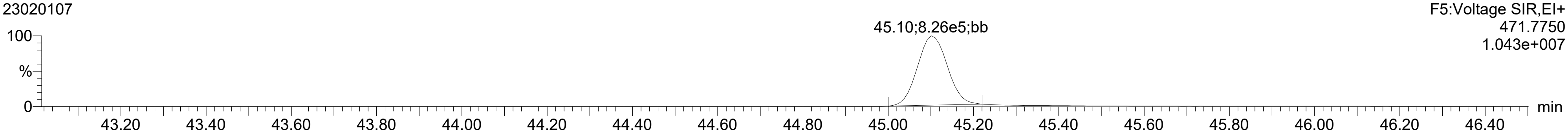

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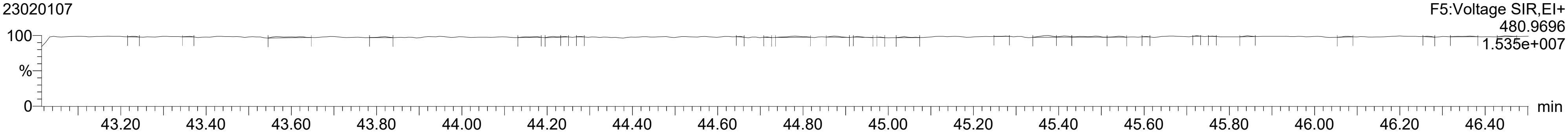

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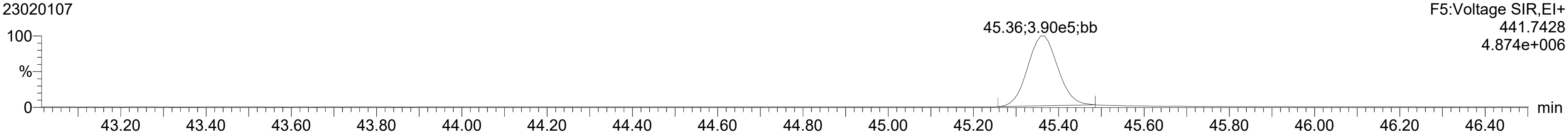

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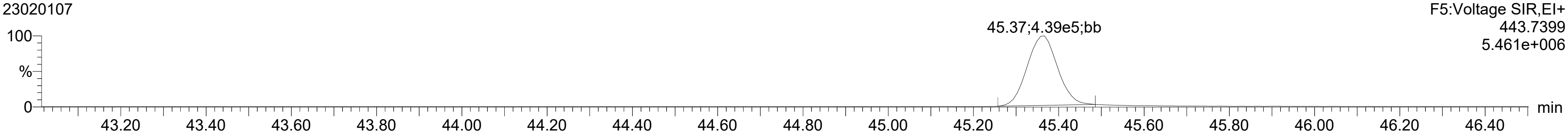

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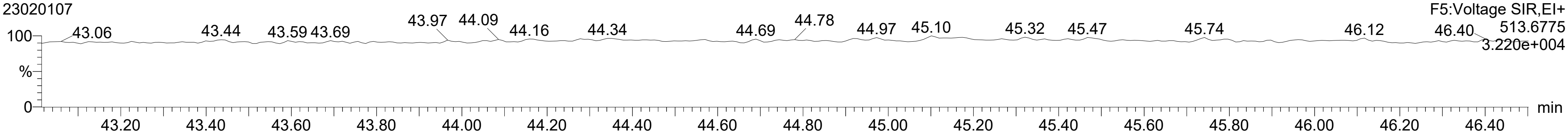

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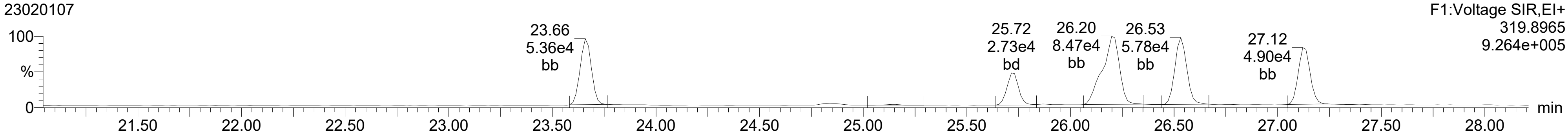

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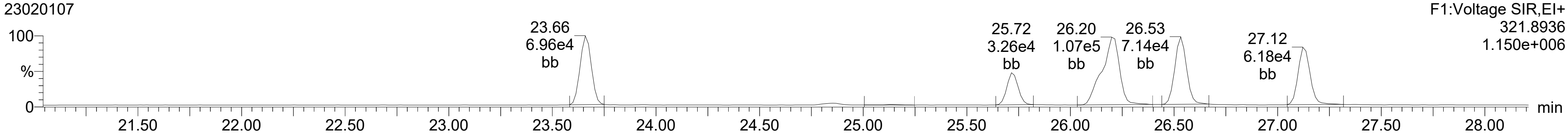

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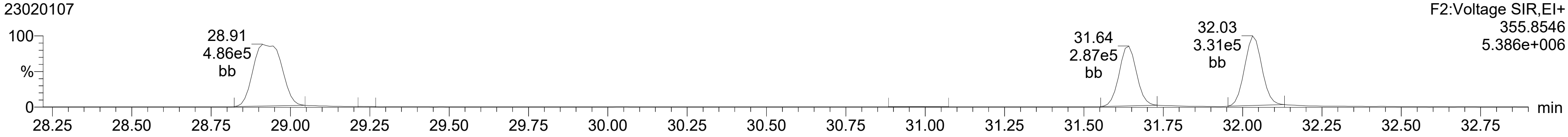

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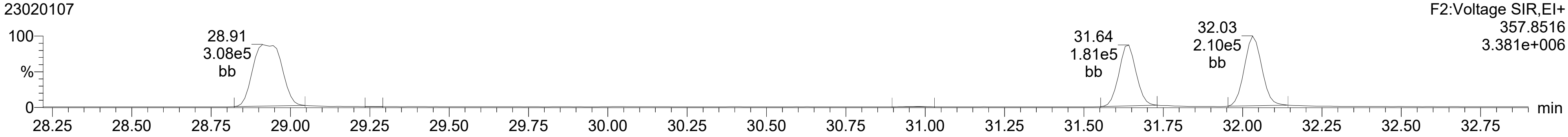

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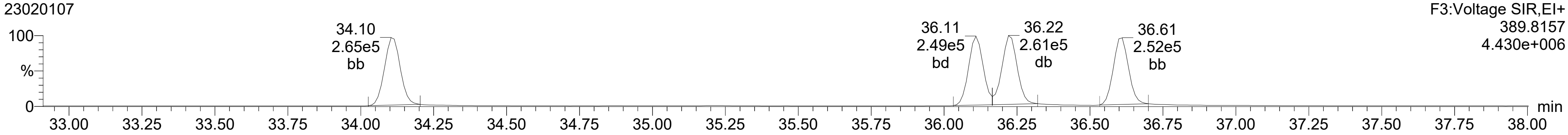

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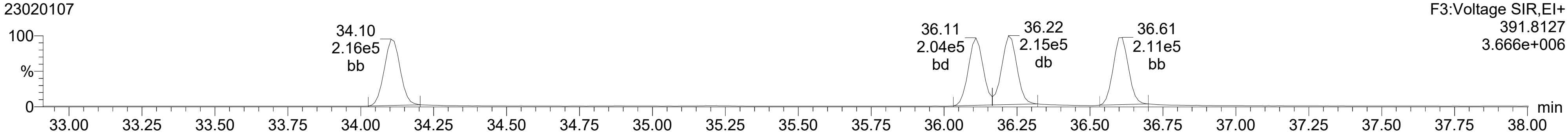

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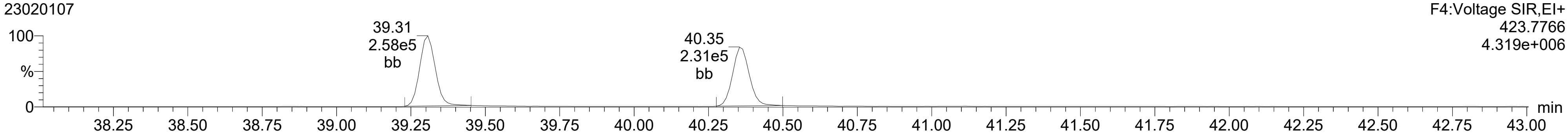

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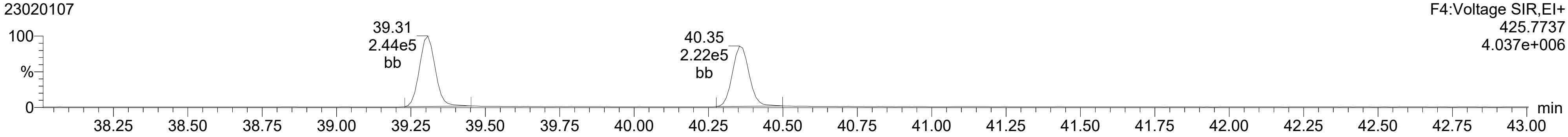

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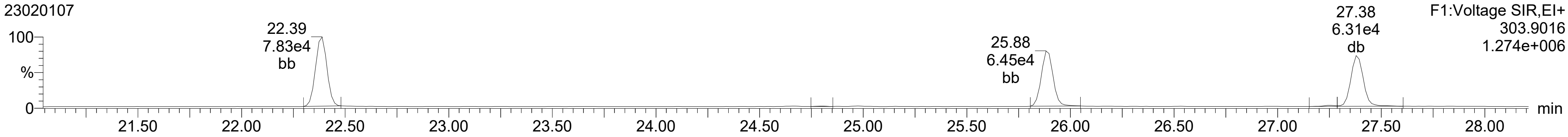

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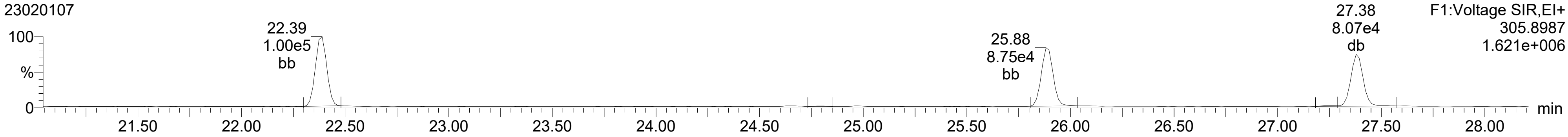

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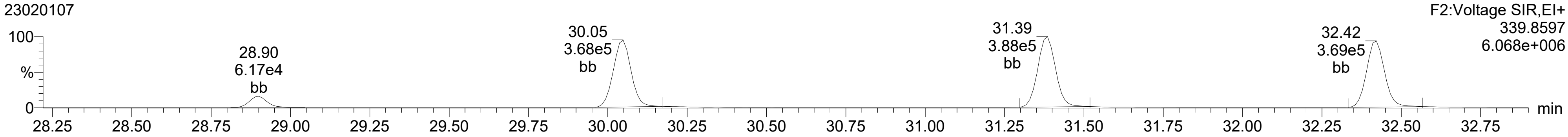

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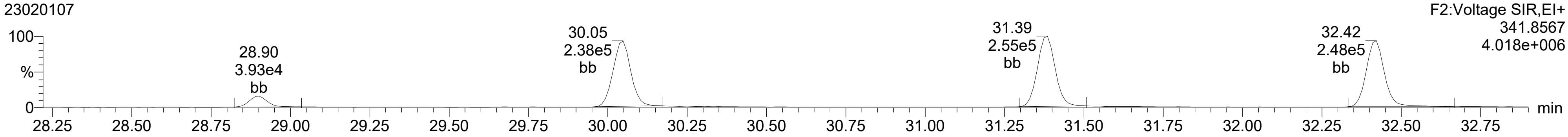

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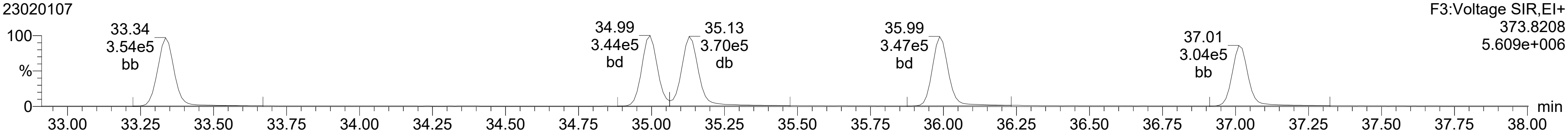

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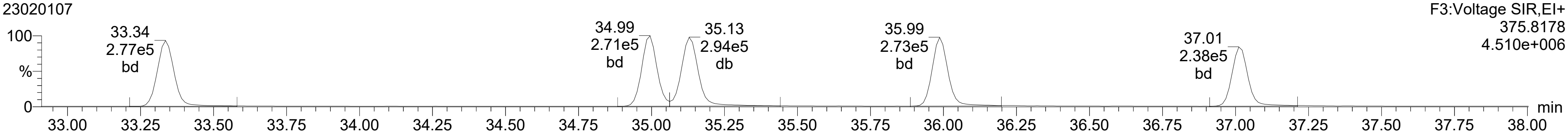

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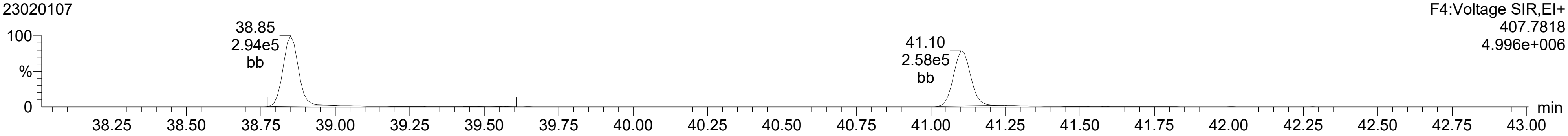

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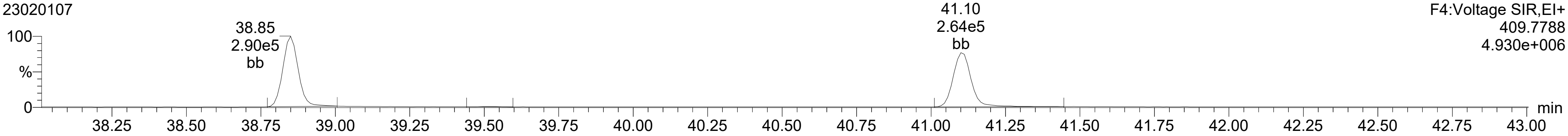

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Last Altered: Friday, February 03, 2023 10:33:40 Pacific Standard Time
Printed: Friday, February 03, 2023 10:37:53 Pacific Standard Time

Method: T:\Autospec\Methods\Dioxin230131IH.mdb 03 Feb 2023 10:31:33
Calibration: 03 Feb 2023 10:33:40

ID: CS4CR, Name: 23020108, Date: 01-Feb-2023, Time: 18:45:20, Conditions: AUTOSPEC01, User: pk

Compound	RT	RRT	Ion1Area	Ion2Area	RRF	Ratio	Pred R	Noise 1	Noise 2	Height 1	Height 2	S/N 1	S/N 2	EMPC	Int.1	Int.2	pg
2378-TCDF	25.882	1.001	3.837e5	5.095e5	0.876	0.753	0.770	3306	1852	5.94e6	7.78e6	1796.5	4201.3	NO	bb	bb	39.352
12378-PeCDF	30.037	1.000	2.144e6	1.419e6	0.845	1.511	1.550	3774	3458	3.38e7	2.23e7	8947.1	6442.4	NO	bb	bb	197.212
23478-PeCDF	31.374	1.000	2.253e6	1.479e6	0.911	1.523	1.550	3774	3458	3.50e7	2.30e7	9263.9	6657.7	NO	bb	bb	199.338
123478-HxCDF	34.984	1.000	2.037e6	1.599e6	1.182	1.274	1.240	4016	3299	3.25e7	2.54e7	8086.7	7697.9	NO	dd	dd	201.086
234678-HxCDF	35.987	1.001	2.093e6	1.626e6	1.229	1.288	1.240	4016	3299	3.22e7	2.54e7	8018.2	7699.6	NO	dd	bd	203.397
123678-HxCDF	35.129	1.001	2.269e6	1.771e6	1.248	1.281	1.240	4016	3299	3.41e7	2.66e7	8495.8	8063.9	NO	dd	dd	203.923
123789-HxCDF	37.012	1.001	1.817e6	1.431e6	1.187	1.269	1.240	4016	3299	2.86e7	2.23e7	7125.7	6768.1	NO	dd	bd	199.649
1234678-HpCDF	38.839	1.000	1.816e6	1.772e6	1.204	1.025	1.050	5173	5540	3.02e7	2.97e7	5847.4	5361.2	NO	bb	bb	193.935
1234789-HpCDF	41.100	1.000	1.575e6	1.522e6	1.165	1.034	1.050	5173	5540	2.37e7	2.31e7	4579.3	4164.7	NO	bb	bb	200.336
OCDF	45.357	1.006	2.485e6	2.804e6	1.186	0.886	0.890	4624	3331	3.05e7	3.43e7	6601.2	10303.1	NO	bb	bb	376.199
2378-TCDD	26.532	1.001	3.417e5	4.230e5	1.236	0.808	0.770	1943	1502	5.26e6	6.49e6	2709.1	4323.6	NO	bb	bb	40.022
12378-PeCDD	31.631	1.000	1.695e6	1.077e6	1.087	1.574	1.550	2803	1572	2.73e7	1.72e7	9745.0	10948.2	NO	bb	bb	198.713
123478-HxCDD	36.109	1.001	1.491e6	1.215e6	0.987	1.227	1.240	2230	3671	2.51e7	2.05e7	11249.2	5579.6	NO	bd	bd	204.141
123678-HxCDD	36.221	1.000	1.525e6	1.238e6	1.021	1.232	1.240	2230	3671	2.55e7	2.09e7	11440.8	5702.6	NO	db	db	192.587
123789-HxCDD	36.599	1.011	1.475e6	1.213e6	0.985	1.216	1.240	2230	3671	2.48e7	2.06e7	11134.5	5610.2	NO	bb	bb	198.496
1234678-HpCDD	40.354	1.001	1.416e6	1.361e6	1.253	1.040	1.050	2506	3274	2.22e7	2.13e7	8870.2	6512.5	NO	bb	bb	190.176
OCDD	45.120	1.000	2.302e6	2.608e6	1.103	0.883	0.890	2646	4665	2.90e7	3.29e7	10978.0	7047.3	NO	bb	bb	375.677
13C-2378-TCDF	25.867	1.007	1.141e6	1.450e6	1.768	0.786	0.770	2983	2394	1.77e7	2.25e7	5940.4	9386.6	NO	bb	bb	101.281
13C-12378-PeCDF	30.026	1.168	1.284e6	8.547e5	1.527	1.502	1.550	4680	2502	1.96e7	1.27e7	4184.1	5065.1	NO	bb	bd	96.786
13C-23478-PeCDF	31.363	1.220	1.245e6	8.091e5	1.466	1.539	1.550	4680	2502	1.90e7	1.23e7	4051.1	4925.5	NO	bb	bb	96.841
13C-123478-HxCDF	34.973	0.956	5.210e5	1.009e6	1.054	0.516	0.510	2637	3506	8.67e6	1.67e7	3288.9	4772.6	NO	bd	bd	99.631
13C-123678-HxCDF	35.107	0.960	5.527e5	1.035e6	1.080	0.534	0.510	2637	3506	9.01e6	1.71e7	3417.9	4869.2	NO	db	db	100.816
13C-234678-HxCDF	35.965	0.983	5.043e5	9.836e5	1.014	0.513	0.510	2637	3506	8.34e6	1.63e7	3164.3	4660.4	NO	bb	bb	100.617
13C-123789-HxCDF	36.989	1.011	4.610e5	9.102e5	0.928	0.507	0.510	2637	3506	7.75e6	1.54e7	2939.3	4390.8	NO	bb	bb	101.358
13C-1234678-HpCDF	38.828	1.061	4.731e5	1.063e6	1.036	0.445	0.440	3133	3783	8.09e6	1.82e7	2583.3	4811.1	NO	bb	bb	101.722
13C-1234789-HpCDF	41.089	1.123	4.094e5	9.173e5	0.905	0.446	0.440	3133	3783	6.17e6	1.38e7	1971.0	3639.0	NO	bb	bb	100.563
13C-1234-TCDD	25.700	0.000	6.435e5	8.034e5	1.000	0.801	0.770	2264	5824	1.00e7	1.24e7	4417.3	2128.2	NO	bb	bb	100.000
13C-2378-TCDD	26.502	1.031	6.869e5	8.584e5	1.103	0.800	0.770	2264	5824	1.05e7	1.31e7	4634.7	2257.9	NO	bb	bb	96.836
13C-12378-PeCDD	31.619	1.230	7.945e5	4.894e5	0.914	1.623	1.550	1351	1735	1.23e7	7.56e6	9139.9	4356.9	NO	bb	bb	97.071
13C-123478-HxCDD	36.087	0.986	7.592e5	5.838e5	0.933	1.300	1.240	2349	1779	1.29e7	9.89e6	5485.2	5561.8	NO	bd	bd	98.749
13C-123678-HxCDD	36.210	0.990	7.891e5	6.166e5	0.965	1.280	1.240	2349	1779	1.26e7	9.87e6	5351.9	5549.2	NO	db	db	99.960
13C-1234678-HpCDD	40.332	1.102	6.034e5	5.625e5	0.782	1.073	1.050	2813	2017	9.31e6	8.69e6	3310.2	4307.9	NO	bb	bb	102.265
13C-OCDD	45.101	1.233	1.130e6	1.241e6	0.788	0.911	0.890	2295	1626	1.42e7	1.55e7	6172.7	9561.2	NO	bb	bb	206.289
13C-123789-HxCDD	36.588	0.000	8.190e5	6.388e5	1.000	1.282	1.240	2349	1779	1.32e7	1.04e7	5620.6	5858.2	NO	bb	bb	100.000
37CL-2378-TCDD	26.532	1.032	6.581e5		1.233			1941		1.01e7		5210.0			bb		36.879

ID: CS4CR, Name: 23020108, Date: 01-Feb-2023, Time: 18:45:20, Conditions: AUTOSPEC01, User: pk

Compound	RT	RRT	Ion1Area	Ion2Area	RRF	Ratio	Pred R	Noise 1	Noise 2	Height 1	Height 2	S/N 1	S/N 2	EMPC	Int.1	Int.2	pg
1368-TCDF					1.064		0.770	3306	1852								
1289-TCDF					0.858		0.770	3306	1852								
13468-PECDF					1.013		1.550	3731	5783								
12389-PECDF					0.844		1.550	3774	3458								
123468-HXCDF					1.197		1.240	4016	3299								
1368-TCDD					1.084		0.770	1943	1502								
1289-TCDD					0.975		0.770	1943	1502								
12479-PECDD					1.837		1.550	2803	1572								
12389-PECDD					1.252		1.550	2803	1572								
124679-HXCDD					1.033		1.240	2230	3671								
1234679-HPCDD					1.286		1.050	2506	3274								
Total-tetrafurans			3.913e5		0.933			3306		6.07e6							40.082
Total-penta1			0.000e0					3731		0.00e0							
Total-pentafurans			4.421e6		0.866			3774		6.91e7							398.784
Total-hexafurans			8.218e6		1.208			4016		1.27e8							808.248
Total-heptafurans			3.395e6		1.185			5173		5.40e7							394.809
Total-Furans			1.891e7		1.067			3306		2.87e8							2018.122
Total-tetradioxins			3.511e5		1.099			1943		5.38e6							41.245
Total-pentadioxins			1.697e6		1.392			2803		2.73e7							198.842
Total-hexadioxins			4.491e6		1.007			2230		7.54e7							595.224
Total-heptadioxins			1.416e6		1.269			2506		2.22e7							190.176
Total-Dioxins			1.026e7		1.165			1943		1.59e8							1401.163
Total-TEQ			2.917e7					1943		4.47e8							3419.285
FUNCTION1 PFK			4.404e5					580120		1.21e7							
FUNCTION2 PFK			1.273e5					196333		3.80e6							0.000
FUNCTION3 PFK			0.000e0					408061		0.00e0							
FUNCTION4 PFK			2.183e5					275800		6.18e6							
FUNCTION5 PFK			0.000e0					154157		0.00e0							
FUNCTION1 HXCD...			1.662e4					8726		3.10e5							0.000
FUNCTION1 HPCD...			1.579e4					6150		2.65e5							0.000
FUNCTION2 HPCD...			2.593e3					848		4.54e4							0.000
FUNCTION3 OCDPE			1.183e3					745		1.55e4							0.000
FUNCTION4 NCDPE			4.176e2					872		5.06e3							0.000
FUNCTION5 DCDPE			3.248e2					814		4.90e3							0.000

Method: T:\Autospec\Methods\Dioxin230131IH.mdb 03 Feb 2023 10:31:33
Calibration: 03 Feb 2023 10:33:40

ID: CS4CR, Name: 23020108, Date: 01-Feb-2023, Time: 18:45:20, Conditions: AUTOSPEC01, User: pk

TF

	Compound	RT	Ion1Area	Ion2Area	RRF	Ratio	Pred R	S/N 1	SNFlag	EMPC	Int.1	Int.2	pg
1	2378-TCDF	25.88	3.837e5	5.095e5	0.876	0.75	0.77	1796.5	YES	NO	bb	bb	39.352
2	Total-tetrafurans	24.97	2.571e3	3.313e3	0.933	0.78	0.77	11.3	YES	NO	bb	bb	0.243
3	Total-tetrafurans	24.64	3.935e3	5.312e3	0.933	0.74	0.77	18.1	YES	NO	bd	dd	0.383
4	Total-tetrafurans	24.51	1.158e3	1.353e3	0.933	0.86	0.77	9.5	YES	NO	db	dd	0.104

PP

	Compound	RT	Ion1Area	Ion2Area	RRF	Ratio	Pred R	S/N 1	SNFlag	EMPC	Int.1	Int.2	pg
1													

PF

	Compound	RT	Ion1Area	Ion2Area	RRF	Ratio	Pred R	S/N 1	SNFlag	EMPC	Int.1	Int.2	pg
1	Total-pentafurans	31.62	2.192e3	1.347e3	0.866	1.63	1.55	9.8	YES	NO	bb	bd	0.195
2	23478-PeCDF	31.37	2.253e6	1.479e6	0.911	1.52	1.55	9263.9	YES	NO	bb	bb	199.338
3	Total-pentafurans	31.11	2.570e3	1.840e3	0.866	1.40	1.55	11.2	YES	NO	bb	bb	0.243
4	12378-PeCDF	30.04	2.144e6	1.419e6	0.845	1.51	1.55	8947.1	YES	NO	bb	bb	197.212
5	Total-pentafurans	29.67	1.564e3	9.796e2	0.866	1.60	1.55	6.5	YES	NO	bd	bd	0.140
6	Total-pentafurans	32.41	1.819e4	1.189e4	0.866	1.53	1.55	66.2	YES	NO	bb	bb	1.656

HF

	Compound	RT	Ion1Area	Ion2Area	RRF	Ratio	Pred R	S/N 1	SNFlag	EMPC	Int.1	Int.2	pg
1	234678-HxCDF	35.99	2.093e6	1.626e6	1.229	1.29	1.24	8018.2	YES	NO	dd	bd	203.397
2	123678-HxCDF	35.13	2.269e6	1.771e6	1.248	1.28	1.24	8495.8	YES	NO	dd	dd	203.923
3	123478-HxCDF	34.98	2.037e6	1.599e6	1.182	1.27	1.24	8086.7	YES	NO	dd	dd	201.086
4	Total-hexafurans	33.52	1.932e3	1.561e3	1.208	1.24	1.24	6.5	YES	NO	bb	bb	0.193
5	123789-HxCDF	37.01	1.817e6	1.431e6	1.187	1.27	1.24	7125.7	YES	NO	dd	bd	199.649

HPF

	Compound	RT	Ion1Area	Ion2Area	RRF	Ratio	Pred R	S/N 1	SNFlag	EMPC	Int.1	Int.2	pg
1	1234789-HpCDF	41.10	1.575e6	1.522e6	1.165	1.03	1.05	4579.3	YES	NO	bb	bb	200.336
2	Total-heptafurans	39.51	4.373e3	4.751e3	1.185	0.92	1.05	13.2	YES	NO	bb	bb	0.538
3	1234678-HpCDF	38.84	1.816e6	1.772e6	1.204	1.02	1.05	5847.4	YES	NO	bb	bb	193.935

ID: CS4CR, Name: 23020108, Date: 01-Feb-2023, Time: 18:45:20, Conditions: AUTOSPEC01, User: pk

Furans,TF,PP,PF,HF,HPF,OF

	Compound	RT	Ion1Area	Ion2Area	RRF	Ratio	Pred R	S/N 1	SNFlag	EMPC	Int.1	Int.2	pg
1	2378-TCDF	25.88	3.837e5	5.095e5	0.876	0.75	0.77	1796.5	YES	NO	bb	bb	39.352
2	Total-tetrafurans	24.97	2.571e3	3.313e3	0.933	0.78	0.77	11.3	YES	NO	bb	bb	0.243
3	Total-tetrafurans	24.64	3.935e3	5.312e3	0.933	0.74	0.77	18.1	YES	NO	bd	dd	0.383
4	Total-tetrafurans	24.51	1.158e3	1.353e3	0.933	0.86	0.77	9.5	YES	NO	db	dd	0.104
5	Total-pentafurans	31.62	2.192e3	1.347e3	0.866	1.63	1.55	9.8	YES	NO	bb	bd	0.195
6	23478-PeCDF	31.37	2.253e6	1.479e6	0.911	1.52	1.55	9263.9	YES	NO	bb	bb	199.338
7	Total-pentafurans	31.11	2.570e3	1.840e3	0.866	1.40	1.55	11.2	YES	NO	bb	bb	0.243
8	12378-PeCDF	30.04	2.144e6	1.419e6	0.845	1.51	1.55	8947.1	YES	NO	bb	bb	197.212
9	Total-pentafurans	29.67	1.564e3	9.796e2	0.866	1.60	1.55	6.5	YES	NO	bd	bd	0.140
10	Total-pentafurans	32.41	1.819e4	1.189e4	0.866	1.53	1.55	66.2	YES	NO	bb	bb	1.656
11	234678-HxCDF	35.99	2.093e6	1.626e6	1.229	1.29	1.24	8018.2	YES	NO	dd	bd	203.397
12	123678-HxCDF	35.13	2.269e6	1.771e6	1.248	1.28	1.24	8495.8	YES	NO	dd	dd	203.923
13	123478-HxCDF	34.98	2.037e6	1.599e6	1.182	1.27	1.24	8086.7	YES	NO	dd	dd	201.086
14	Total-hexafurans	33.52	1.932e3	1.561e3	1.208	1.24	1.24	6.5	YES	NO	bb	bb	0.193
15	123789-HxCDF	37.01	1.817e6	1.431e6	1.187	1.27	1.24	7125.7	YES	NO	dd	bd	199.649
16	1234789-HpCDF	41.10	1.575e6	1.522e6	1.165	1.03	1.05	4579.3	YES	NO	bb	bb	200.336
17	Total-heptafurans	39.51	4.373e3	4.751e3	1.185	0.92	1.05	13.2	YES	NO	bb	bb	0.538
18	1234678-HpCDF	38.84	1.816e6	1.772e6	1.204	1.02	1.05	5847.4	YES	NO	bb	bb	193.935
19	OCDF	45.36	2.485e6	2.804e6	1.186	0.89	0.89	6601.2	YES	NO	bb	bb	376.199

TD

	Compound	RT	Ion1Area	Ion2Area	RRF	Ratio	Pred R	S/N 1	SNFlag	EMPC	Int.1	Int.2	pg
1	2378-TCDD	26.53	3.417e5	4.230e5	1.236	0.81	0.77	2709.1	YES	NO	bb	bb	40.022
2	Total-tetradioxins	26.14	8.070e3	9.722e3	1.099	0.83	0.77	49.8	YES	NO	bb	bb	1.048
3	Total-tetradioxins	25.38	3.531e2	4.421e2	1.099	0.80	0.77	2.4	NO	NO	bb	bb	0.047
4	Total-tetradioxins	26.96	1.013e3	1.157e3	1.099	0.88	0.77	7.2	YES	NO	bd	bd	0.128

PD

	Compound	RT	Ion1Area	Ion2Area	RRF	Ratio	Pred R	S/N 1	SNFlag	EMPC	Int.1	Int.2	pg
1	12378-PeCDD	31.63	1.695e6	1.077e6	1.087	1.57	1.55	9745.0	YES	NO	bb	bb	198.713
2	Total-pentadioxins	30.04	1.464e3	8.371e2	1.392	1.75	1.55	8.8	YES	NO	bb	bb	0.129

ID: CS4CR, Name: 23020108, Date: 01-Feb-2023, Time: 18:45:20, Conditions: AUTOSPEC01, User: pk

HD

	Compound	RT	Ion1Area	Ion2Area	RRF	Ratio	Pred R	S/N 1	SNFlag	EMPC	Int.1	Int.2	pg
1	123789-HxCDD	36.60	1.475e6	1.213e6	0.985	1.22	1.24	11134.5	YES	NO	bb	bb	198.496
2	123678-HxCDD	36.22	1.525e6	1.238e6	1.021	1.23	1.24	11440.8	YES	NO	db	db	192.587
3	123478-HxCDD	36.11	1.491e6	1.215e6	0.987	1.23	1.24	11249.2	YES	NO	bd	bd	204.141

HPD

	Compound	RT	Ion1Area	Ion2Area	RRF	Ratio	Pred R	S/N 1	SNFlag	EMPC	Int.1	Int.2	pg
1	1234678-HpCDD	40.35	1.416e6	1.361e6	1.253	1.04	1.05	8870.2	YES	NO	bb	bb	190.176

Dioxins,TD,PD,HD,HPD,OD

	Compound	RT	Ion1Area	Ion2Area	RRF	Ratio	Pred R	S/N 1	SNFlag	EMPC	Int.1	Int.2	pg
1	2378-TCDD	26.53	3.417e5	4.230e5	1.236	0.81	0.77	2709.1	YES	NO	bb	bb	40.022
2	Total-tetradioxins	26.14	8.070e3	9.722e3	1.099	0.83	0.77	49.8	YES	NO	bb	bb	1.048
3	Total-tetradioxins	25.38	3.531e2	4.421e2	1.099	0.80	0.77	2.4	NO	NO	bb	bb	0.047
4	Total-tetradioxins	26.96	1.013e3	1.157e3	1.099	0.88	0.77	7.2	YES	NO	bd	bd	0.128
5	12378-PeCDD	31.63	1.695e6	1.077e6	1.087	1.57	1.55	9745.0	YES	NO	bb	bb	198.713
6	Total-pentadioxins	30.04	1.464e3	8.371e2	1.392	1.75	1.55	8.8	YES	NO	bb	bb	0.129
7	123789-HxCDD	36.60	1.475e6	1.213e6	0.985	1.22	1.24	11134.5	YES	NO	bb	bb	198.496
8	123678-HxCDD	36.22	1.525e6	1.238e6	1.021	1.23	1.24	11440.8	YES	NO	db	db	192.587
9	123478-HxCDD	36.11	1.491e6	1.215e6	0.987	1.23	1.24	11249.2	YES	NO	bd	bd	204.141
10	1234678-HpCDD	40.35	1.416e6	1.361e6	1.253	1.04	1.05	8870.2	YES	NO	bb	bb	190.176
11	OCDD	45.12	2.302e6	2.608e6	1.103	0.88	0.89	10978.0	YES	NO	bb	bb	375.677

ID: CS4CR, Name: 23020108, Date: 01-Feb-2023, Time: 18:45:20, Conditions: AUTOSPEC01, User: pk

TotalTEQ,Furans,Dioxins

	Compound	RT	Ion1Area	Ion2Area	RRF	Ratio	Pred R	S/N 1	SNFlag	EMPC	Int.1	Int.2	pg
1	2378-TCDF	25.88	3.837e5	5.095e5	0.876	0.75	0.77	1796.5	YES	NO	bb	bb	39.352
2	Total-tetrafurans	24.97	2.571e3	3.313e3	0.933	0.78	0.77	11.3	YES	NO	bb	bb	0.243
3	Total-tetrafurans	24.64	3.935e3	5.312e3	0.933	0.74	0.77	18.1	YES	NO	bd	dd	0.383
4	Total-tetrafurans	24.51	1.158e3	1.353e3	0.933	0.86	0.77	9.5	YES	NO	db	dd	0.104
5	Total-pentafurans	31.62	2.192e3	1.347e3	0.866	1.63	1.55	9.8	YES	NO	bb	bd	0.195
6	23478-PeCDF	31.37	2.253e6	1.479e6	0.911	1.52	1.55	9263.9	YES	NO	bb	bb	199.338
7	Total-pentafurans	31.11	2.570e3	1.840e3	0.866	1.40	1.55	11.2	YES	NO	bb	bb	0.243
8	12378-PeCDF	30.04	2.144e6	1.419e6	0.845	1.51	1.55	8947.1	YES	NO	bb	bb	197.212
9	Total-pentafurans	29.67	1.564e3	9.796e2	0.866	1.60	1.55	6.5	YES	NO	bd	bd	0.140
10	Total-pentafurans	32.41	1.819e4	1.189e4	0.866	1.53	1.55	66.2	YES	NO	bb	bb	1.656
11	234678-HxCDF	35.99	2.093e6	1.626e6	1.229	1.29	1.24	8018.2	YES	NO	dd	bd	203.397
12	123678-HxCDF	35.13	2.269e6	1.771e6	1.248	1.28	1.24	8495.8	YES	NO	dd	dd	203.923
13	123478-HxCDF	34.98	2.037e6	1.599e6	1.182	1.27	1.24	8086.7	YES	NO	dd	dd	201.086
14	Total-hexafurans	33.52	1.932e3	1.561e3	1.208	1.24	1.24	6.5	YES	NO	bb	bb	0.193
15	123789-HxCDF	37.01	1.817e6	1.431e6	1.187	1.27	1.24	7125.7	YES	NO	dd	bd	199.649
16	1234789-HpCDF	41.10	1.575e6	1.522e6	1.165	1.03	1.05	4579.3	YES	NO	bb	bb	200.336
17	Total-heptafurans	39.51	4.373e3	4.751e3	1.185	0.92	1.05	13.2	YES	NO	bb	bb	0.538
18	1234678-HpCDF	38.84	1.816e6	1.772e6	1.204	1.02	1.05	5847.4	YES	NO	bb	bb	193.935
19	OCDF	45.36	2.485e6	2.804e6	1.186	0.89	0.89	6601.2	YES	NO	bb	bb	376.199
20	2378-TCDD	26.53	3.417e5	4.230e5	1.236	0.81	0.77	2709.1	YES	NO	bb	bb	40.022
21	Total-tetradioxins	26.14	8.070e3	9.722e3	1.099	0.83	0.77	49.8	YES	NO	bb	bb	1.048
22	Total-tetradioxins	25.38	3.531e2	4.421e2	1.099	0.80	0.77	2.4	NO	NO	bb	bb	0.047
23	Total-tetradioxins	26.96	1.013e3	1.157e3	1.099	0.88	0.77	7.2	YES	NO	bd	bd	0.128
24	12378-PeCDD	31.63	1.695e6	1.077e6	1.087	1.57	1.55	9745.0	YES	NO	bb	bb	198.713
25	Total-pentadioxins	30.04	1.464e3	8.371e2	1.392	1.75	1.55	8.8	YES	NO	bb	bb	0.129
26	123789-HxCDD	36.60	1.475e6	1.213e6	0.985	1.22	1.24	11134.5	YES	NO	bb	bb	198.496
27	123678-HxCDD	36.22	1.525e6	1.238e6	1.021	1.23	1.24	11440.8	YES	NO	db	db	192.587
28	123478-HxCDD	36.11	1.491e6	1.215e6	0.987	1.23	1.24	11249.2	YES	NO	bd	bd	204.141
29	1234678-HpCDD	40.35	1.416e6	1.361e6	1.253	1.04	1.05	8870.2	YES	NO	bb	bb	190.176
30	OCDD	45.12	2.302e6	2.608e6	1.103	0.88	0.89	10978.0	YES	NO	bb	bb	375.677

ID: CS4CR, Name: 23020108, Date: 01-Feb-2023, Time: 18:45:20, Conditions: AUTOSPEC01, User: pk

PFK1

	Compound	RT	Ion1Area	Ion2Area	RRF	Ratio	Pred R	S/N 1	SNFlag	EMPC	Int.1	Int.2	pg
1	FUNCTION1 PFK	24.96	2.020e4					1.1	NO		bb		
2	FUNCTION1 PFK	24.40	2.455e4					1.2	NO		bb		
3	FUNCTION1 PFK	23.70	1.570e4					0.9	NO		bb		
4	FUNCTION1 PFK	22.21	1.520e4					0.8	NO		bb		
5	FUNCTION1 PFK	21.98	2.815e4					1.2	NO		bb		
6	FUNCTION1 PFK	21.62	2.203e4					0.8	NO		bb		
7	FUNCTION1 PFK	21.38	1.821e4					1.0	NO		bb		
8	FUNCTION1 PFK	28.09	4.216e4					1.7	NO		bb		
9	FUNCTION1 PFK	27.48	1.001e4					0.6	NO		bb		
10	FUNCTION1 PFK	27.36	2.341e4					1.3	NO		bb		
11	FUNCTION1 PFK	27.09	4.217e3					0.5	NO		bb		
12	FUNCTION1 PFK	26.77	7.075e3					0.7	NO		bb		
13	FUNCTION1 PFK	26.65	1.537e4					1.0	NO		bb		
14	FUNCTION1 PFK	26.53	2.228e4					1.3	NO		bb		
15	FUNCTION1 PFK	26.06	1.292e4					0.8	NO		bb		
16	FUNCTION1 PFK	25.75	9.216e3					0.7	NO		bb		
17	FUNCTION1 PFK	25.69	2.942e4					1.5	NO		bb		
18	FUNCTION1 PFK	25.47	3.380e4					1.3	NO		bb		
19	FUNCTION1 PFK	25.35	5.518e4					1.2	NO		db		
20	FUNCTION1 PFK	25.23	3.130e4					1.5	NO		bd		

ID: CS4CR, Name: 23020108, Date: 01-Feb-2023, Time: 18:45:20, Conditions: AUTOSPEC01, User: pk

PFK2

	Compound	RT	Ion1Area	Ion2Area	RRF	Ratio	Pred R	S/N 1	SNFlag	EMPC	Int.1	Int.2	pg
1	FUNCTION2 PFK	28.88	2.296e4					1.8	NO		bb		0.000
2	FUNCTION2 PFK	28.30	1.717e4					1.6	NO		bb		0.000
3	FUNCTION2 PFK	32.49	5.254e3					1.3	NO		bb		0.000
4	FUNCTION2 PFK	32.37	7.309e3					1.1	NO		bb		0.000
5	FUNCTION2 PFK	32.29	1.359e3					0.6	NO		bb		0.000
6	FUNCTION2 PFK	32.17	6.182e3					1.2	NO		bb		0.000
7	FUNCTION2 PFK	31.90	1.405e4					1.8	NO		bb		0.000
8	FUNCTION2 PFK	31.55	3.011e3					0.9	NO		bb		0.000
9	FUNCTION2 PFK	31.41	1.210e4					1.2	NO		bb		0.000
10	FUNCTION2 PFK	30.57	3.830e3					0.9	NO		bb		0.000
11	FUNCTION2 PFK	30.45	4.598e3					1.0	NO		bb		0.000
12	FUNCTION2 PFK	29.87	5.333e3					1.1	NO		bb		0.000
13	FUNCTION2 PFK	29.60	5.195e3					1.1	NO		db		0.000
14	FUNCTION2 PFK	29.56	5.154e3					1.1	NO		bd		0.000
15	FUNCTION2 PFK	29.50	7.364e3					1.4	NO		bb		0.000
16	FUNCTION2 PFK	29.17	6.453e3					1.3	NO		bb		0.000

PFK3

	Compound	RT	Ion1Area	Ion2Area	RRF	Ratio	Pred R	S/N 1	SNFlag	EMPC	Int.1	Int.2	pg
1													

ID: CS4CR, Name: 23020108, Date: 01-Feb-2023, Time: 18:45:20, Conditions: AUTOSPEC01, User: pk

PFK4

	Compound	RT	Ion1Area	Ion2Area	RRF	Ratio	Pred R	S/N 1	SNFlag	EMPC	Int.1	Int.2	pg
1	FUNCTION4 PFK	40.21	5.273e3					0.9	NO		bb		
2	FUNCTION4 PFK	40.14	5.827e3					1.0	NO		bb		
3	FUNCTION4 PFK	40.00	4.667e3					0.8	NO		bb		
4	FUNCTION4 PFK	39.82	1.112e3					0.4	NO		bb		
5	FUNCTION4 PFK	39.74	4.984e3					0.8	NO		bb		
6	FUNCTION4 PFK	39.65	3.641e4					1.9	NO		db		
7	FUNCTION4 PFK	39.60	1.243e4					1.6	NO		bd		
8	FUNCTION4 PFK	39.21	6.478e3					1.0	NO		bb		
9	FUNCTION4 PFK	38.98	1.375e3					0.4	NO		bb		
10	FUNCTION4 PFK	38.83	5.023e3					0.8	NO		bb		
11	FUNCTION4 PFK	38.78	4.916e3					0.9	NO		bb		
12	FUNCTION4 PFK	38.68	8.802e3					1.2	NO		bb		
13	FUNCTION4 PFK	38.54	1.096e4					1.2	NO		bb		
14	FUNCTION4 PFK	38.35	1.188e4					1.5	NO		db		
15	FUNCTION4 PFK	38.32	9.581e3					1.3	NO		bd		
16	FUNCTION4 PFK	38.09	5.192e4					1.9	NO		bb		
17	FUNCTION4 PFK	42.95	1.120e3					0.4	NO		bb		
18	FUNCTION4 PFK	42.68	3.847e3					0.6	NO		bb		
19	FUNCTION4 PFK	42.38	1.500e4					1.7	NO		bb		
20	FUNCTION4 PFK	41.06	1.232e4					1.2	NO		bb		
21	FUNCTION4 PFK	40.81	4.336e3					0.7	NO		bb		

PFK5

	Compound	RT	Ion1Area	Ion2Area	RRF	Ratio	Pred R	S/N 1	SNFlag	EMPC	Int.1	Int.2	pg
1													

ID: CS4CR, Name: 23020108, Date: 01-Feb-2023, Time: 18:45:20, Conditions: AUTOSPEC01, User: pk

ETHERS1

	Compound	RT	Ion1Area	Ion2Area	RRF	Ratio	Pred R	S/N 1	SNFlag	EMPC	Int.1	Int.2	pg
1	FUNCTION1 HXCD...	26.09	1.365e2					0.3	NO		bb		0.000
2	FUNCTION1 HXCD...	25.88	7.559e1					0.2	NO		bb		0.000
3	FUNCTION1 HXCD...	25.69	1.535e2					0.2	NO		bb		0.000
4	FUNCTION1 HXCD...	25.38	9.009e1					0.2	NO		bb		0.000
5	FUNCTION1 HXCD...	24.76	1.387e2					0.2	NO		bb		0.000
6	FUNCTION1 HXCD...	24.49	2.087e3					4.8	YES		db		0.000
7	FUNCTION1 HXCD...	24.42	1.113e3					3.5	YES		bd		0.000
8	FUNCTION1 HXCD...	24.07	1.214e2					0.2	NO		bb		0.000
9	FUNCTION1 HXCD...	22.93	9.005e1					0.3	NO		bb		0.000
10	FUNCTION1 HXCD...	28.03	7.580e1					0.2	NO		bb		0.000
11	FUNCTION1 HXCD...	27.80	7.466e1					0.2	NO		bb		0.000
12	FUNCTION1 HXCD...	27.64	9.719e1					0.2	NO		bb		0.000
13	FUNCTION1 HXCD...	27.11	4.735e3					11.6	YES		db		0.000
14	FUNCTION1 HXCD...	27.06	1.264e3					2.6	NO		dd		0.000
15	FUNCTION1 HXCD...	26.99	2.557e3					3.1	YES		dd		0.000
16	FUNCTION1 HXCD...	26.82	1.150e3					2.1	NO		dd		0.000
17	FUNCTION1 HXCD...	26.76	1.090e3					2.6	NO		dd		0.000
18	FUNCTION1 HXCD...	26.68	5.202e2					1.1	NO		dd		0.000
19	FUNCTION1 HXCD...	26.59	4.632e2					0.7	NO		dd		0.000
20	FUNCTION1 HXCD...	26.50	3.837e2					0.7	NO		dd		0.000
21	FUNCTION1 HXCD...	26.44	7.925e1					0.2	NO		bd		0.000
22	FUNCTION1 HXCD...	26.26	1.202e2					0.3	NO		bb		0.000

ID: CS4CR, Name: 23020108, Date: 01-Feb-2023, Time: 18:45:20, Conditions: AUTOSPEC01, User: pk

ETHERS2

	Compound	RT	Ion1Area	Ion2Area	RRF	Ratio	Pred R	S/N 1	SNFlag	EMPC	Int.1	Int.2	pg
1	FUNCTION1 HPCD...	21.53	8.754e1					0.3	NO		dd		0.000
2	FUNCTION1 HPCD...	21.39	1.338e2					0.2	NO		bd		0.000
3	FUNCTION1 HPCD...	27.06	1.227e3					3.5	YES		dd		0.000
4	FUNCTION1 HPCD...	26.96	2.312e3					4.3	YES		dd		0.000
5	FUNCTION1 HPCD...	26.83	1.175e3					2.8	NO		dd		0.000
6	FUNCTION1 HPCD...	26.76	1.583e3					4.1	YES		dd		0.000
7	FUNCTION1 HPCD...	26.67	5.135e2					1.6	NO		dd		0.000
8	FUNCTION1 HPCD...	26.58	6.861e2					1.1	NO		dd		0.000
9	FUNCTION1 HPCD...	26.50	1.748e2					0.8	NO		dd		0.000
10	FUNCTION1 HPCD...	26.44	2.373e2					0.4	NO		dd		0.000
11	FUNCTION1 HPCD...	26.26	1.300e2					0.4	NO		bd		0.000
12	FUNCTION1 HPCD...	25.91	1.988e2					0.2	NO		bb		0.000
13	FUNCTION1 HPCD...	25.72	1.012e2					0.3	NO		bb		0.000
14	FUNCTION1 HPCD...	25.53	1.466e2					0.3	NO		db		0.000
15	FUNCTION1 HPCD...	25.32	1.918e2					0.4	NO		bd		0.000
16	FUNCTION1 HPCD...	24.51	2.090e3					6.7	YES		db		0.000
17	FUNCTION1 HPCD...	24.42	8.854e2					3.8	YES		bd		0.000
18	FUNCTION1 HPCD...	21.60	9.175e1					0.3	NO		db		0.000
19	FUNCTION1 HPCD...	27.77	9.425e1					0.4	NO		bb		0.000
20	FUNCTION1 HPCD...	27.65	7.376e1					0.3	NO		db		0.000
21	FUNCTION1 HPCD...	27.53	1.152e2					0.4	NO		bd		0.000
22	FUNCTION1 HPCD...	27.12	3.540e3					10.6	YES		db		0.000

ETHERS3

	Compound	RT	Ion1Area	Ion2Area	RRF	Ratio	Pred R	S/N 1	SNFlag	EMPC	Int.1	Int.2	pg
1	FUNCTION2 HPCD...	31.63	1.971e2					4.5	YES		bb		0.000
2	FUNCTION2 HPCD...	31.26	2.238e3					45.1	YES		bb		0.000
3	FUNCTION2 HPCD...	29.60	1.581e2					4.1	YES		bb		0.000

ETHERS4

	Compound	RT	Ion1Area	Ion2Area	RRF	Ratio	Pred R	S/N 1	SNFlag	EMPC	Int.1	Int.2	pg
1	FUNCTION3 OCDPE	36.60	5.924e2					8.6	YES		bb		0.000
2	FUNCTION3 OCDPE	36.21	3.178e2					6.7	YES		db		0.000
3	FUNCTION3 OCDPE	36.10	2.730e2					5.6	YES		bd		0.000

ID: CS4CR, Name: 23020108, Date: 01-Feb-2023, Time: 18:45:20, Conditions: AUTOSPEC01, User: pk

ETHERS5

	Compound	RT	Ion1Area	Ion2Area	RRF	Ratio	Pred R	S/N 1	SNFlag	EMPC	Int.1	Int.2	pg
1	FUNCTION4 NCDPE	40.40	3.196e2					3.7	YES		bb		0.000
2	FUNCTION4 NCDPE	38.52	9.797e1					2.1	NO		bb		0.000

ETHERS6

	Compound	RT	Ion1Area	Ion2Area	RRF	Ratio	Pred R	S/N 1	SNFlag	EMPC	Int.1	Int.2	pg
1	FUNCTION5 DCDPE	45.14	3.248e2					6.0	YES		bb		0.000

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Calibration: 03 Feb 2023 10:33:40

ID: CS4CR, Name: 23020108, Date: 01-Feb-2023, Time: 18:45:20, Conditions: AUTOSPEC01, User: pk

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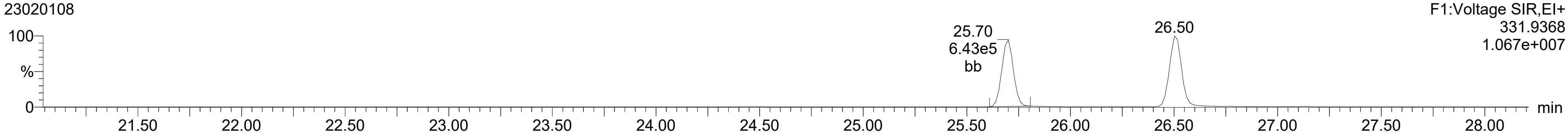

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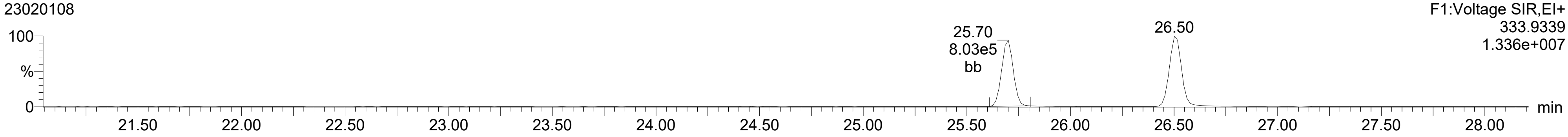
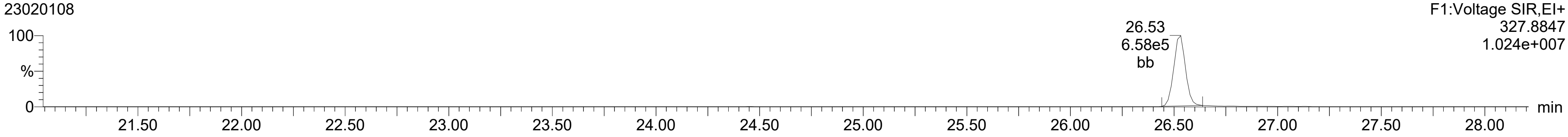


37CL-2378-TCDD



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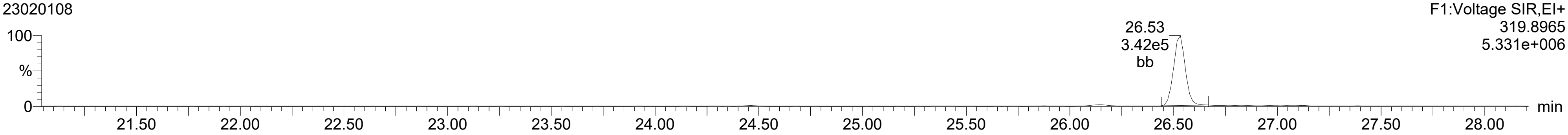

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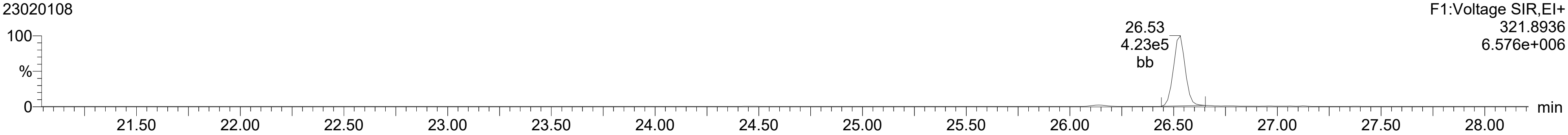

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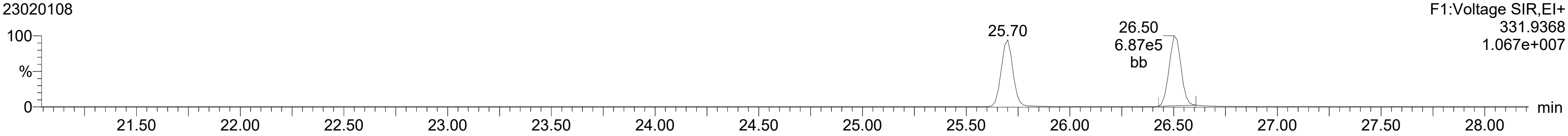

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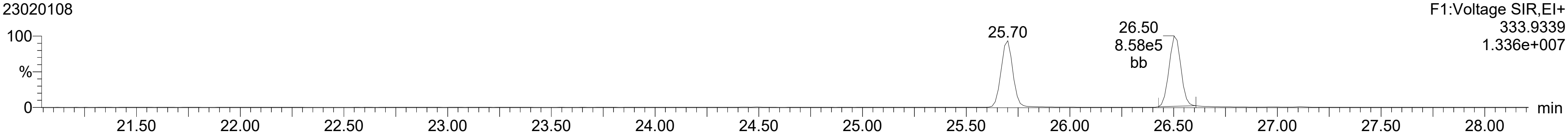
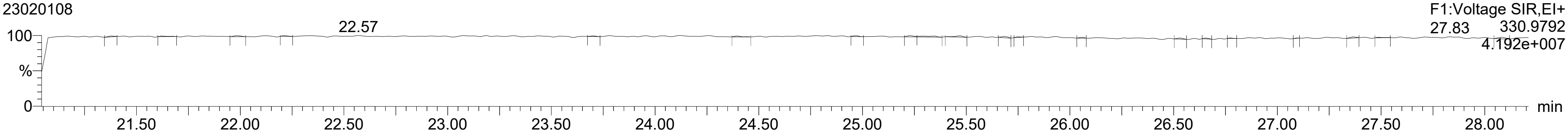


FUNCTION1 PFK



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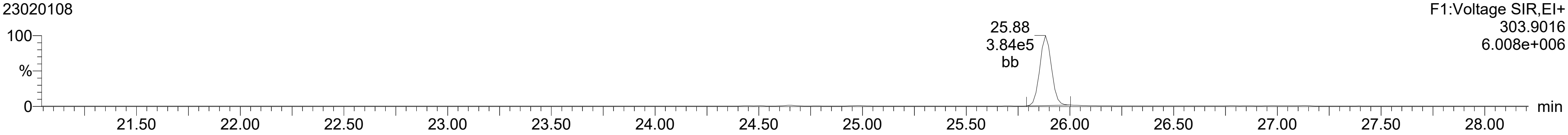

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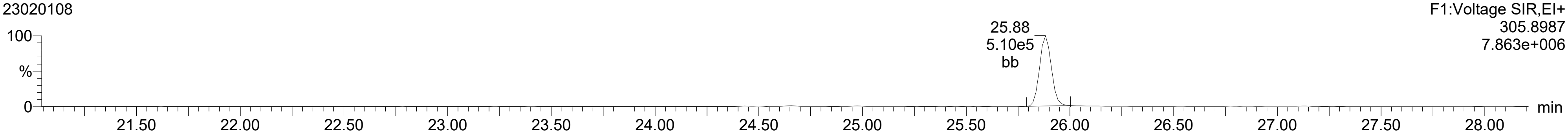

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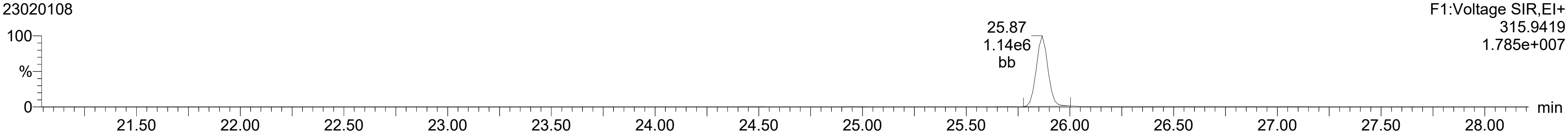

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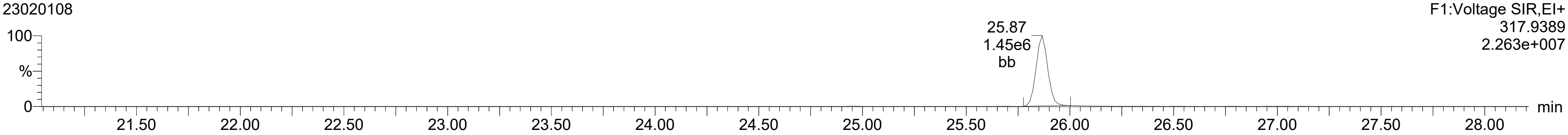

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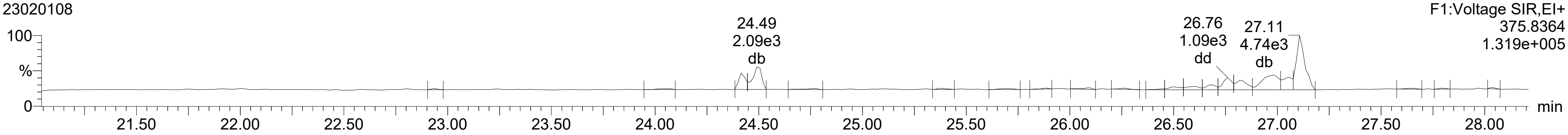

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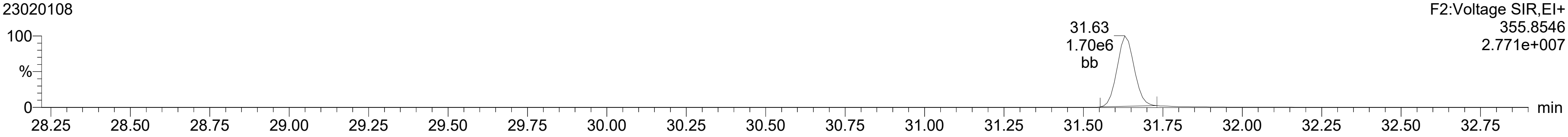
12378-PeCDD



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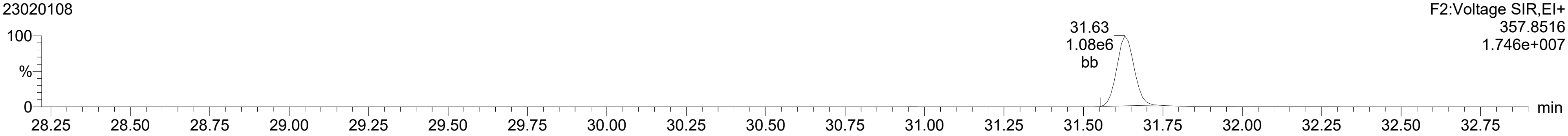

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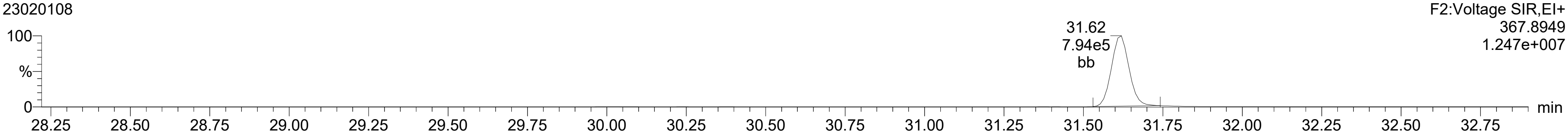

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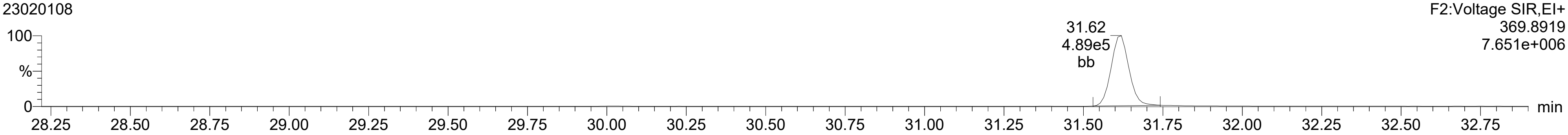

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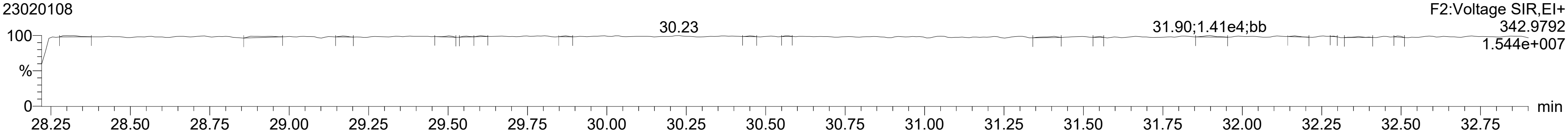

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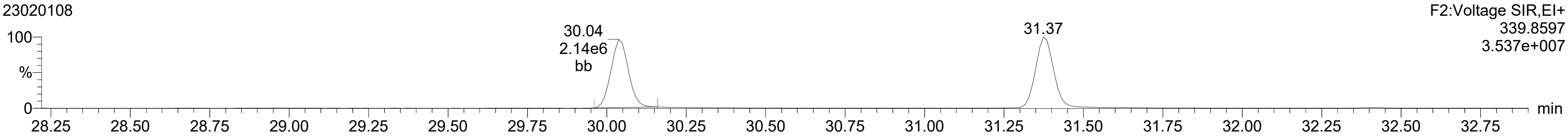
12378-PeCDF



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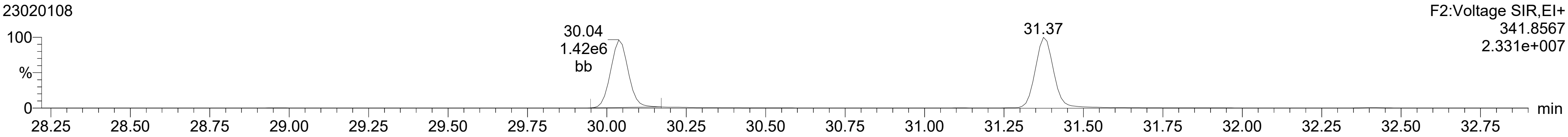

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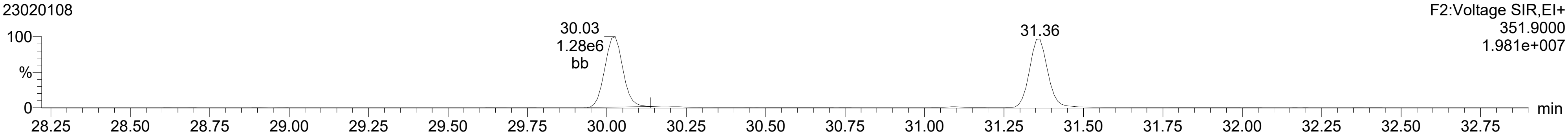

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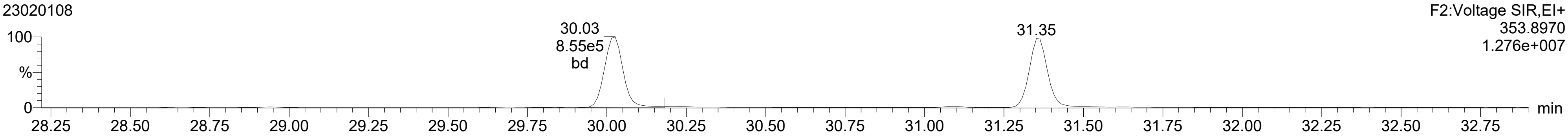

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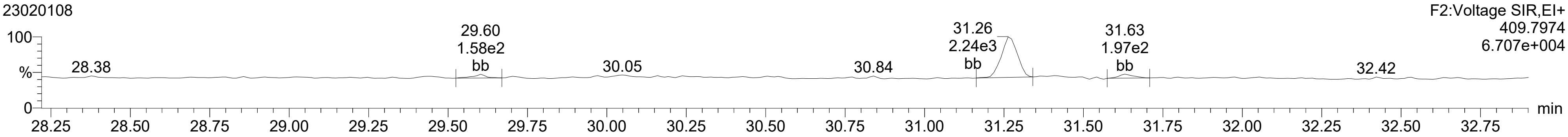

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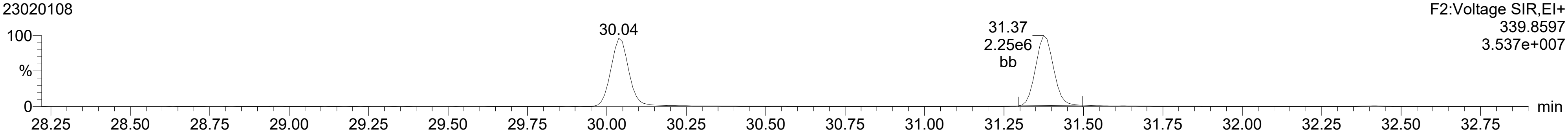
23478-PeCDF



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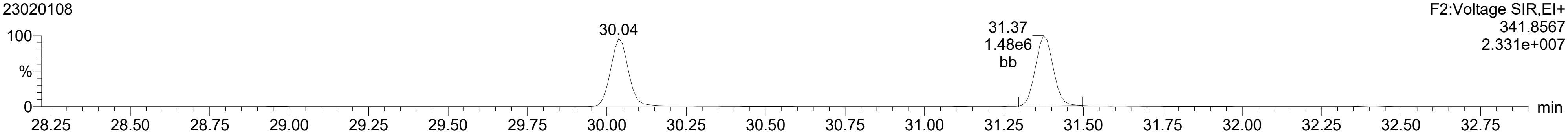

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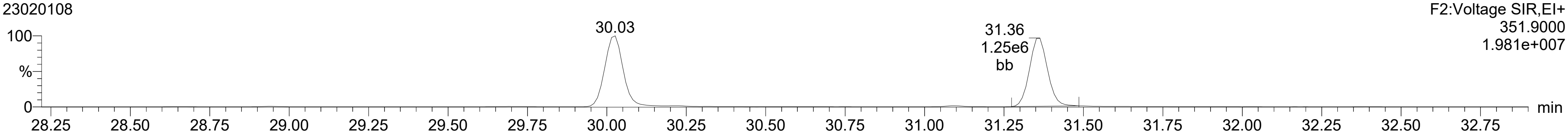

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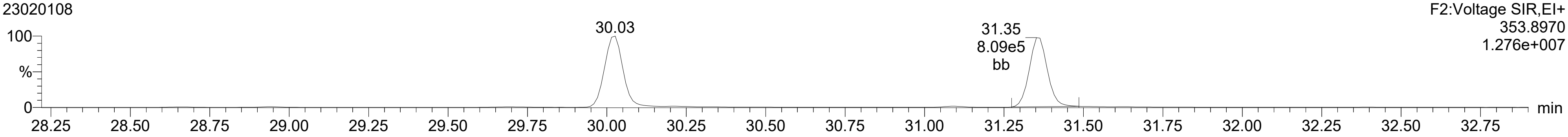

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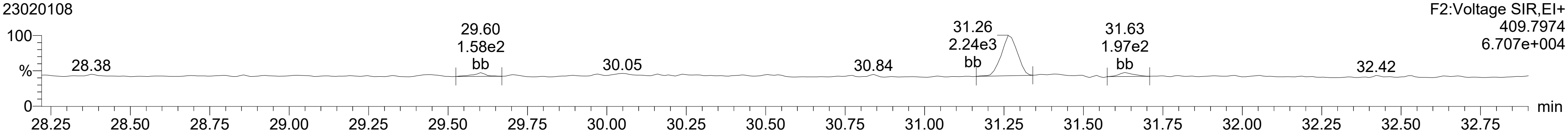

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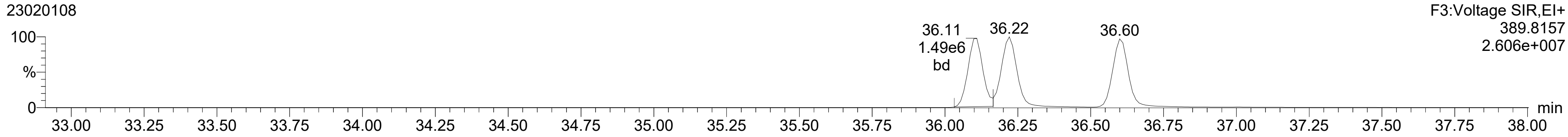

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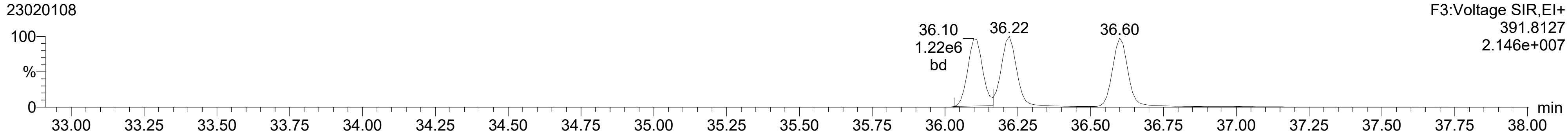

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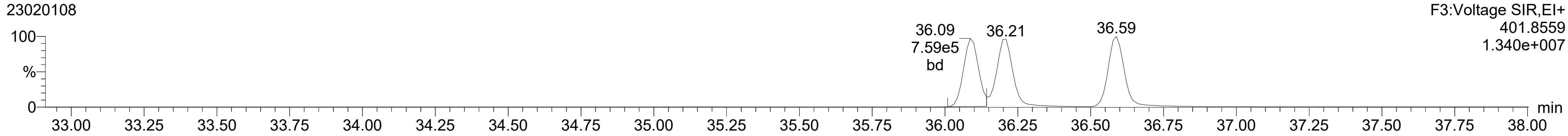

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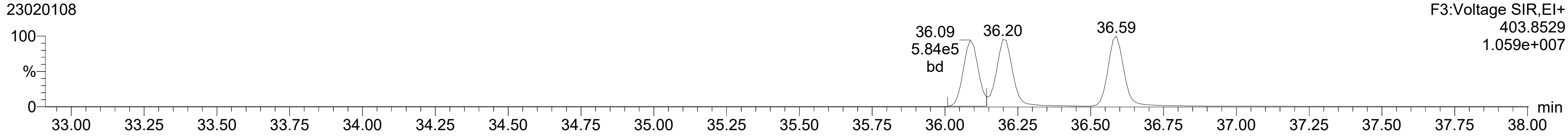

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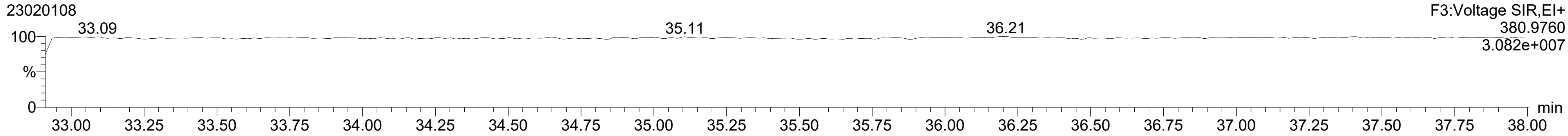

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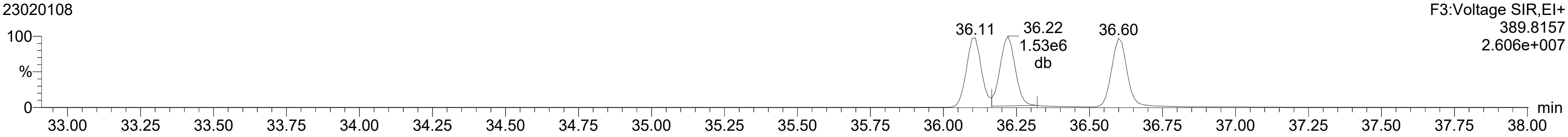

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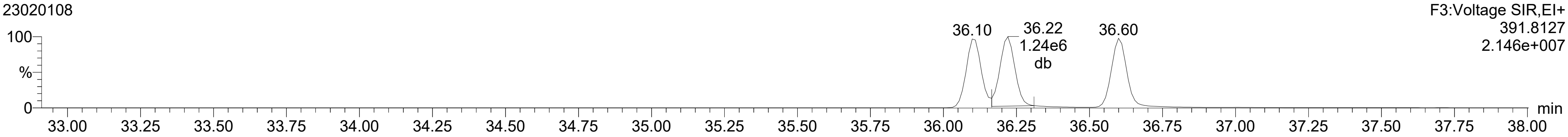

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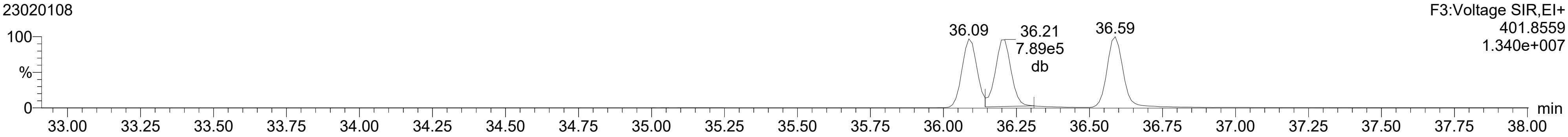

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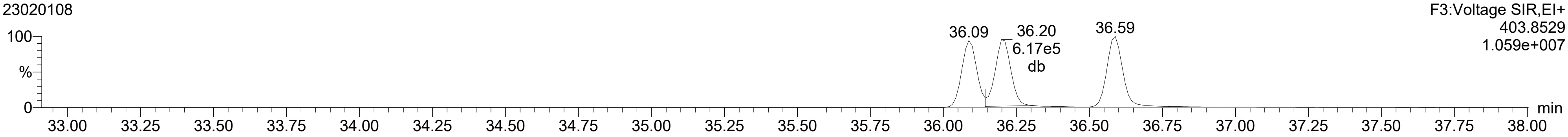

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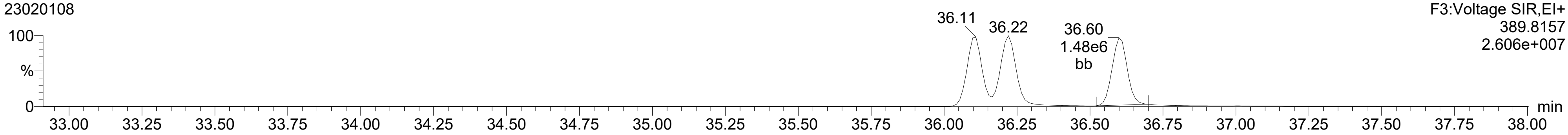

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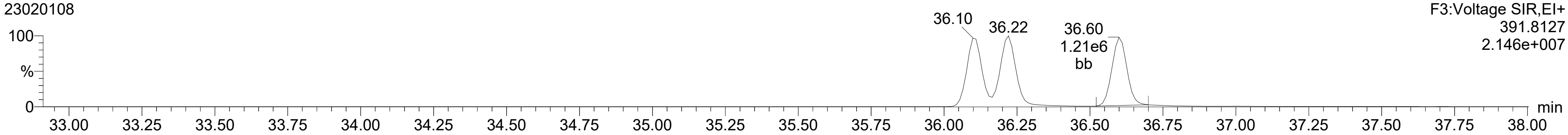

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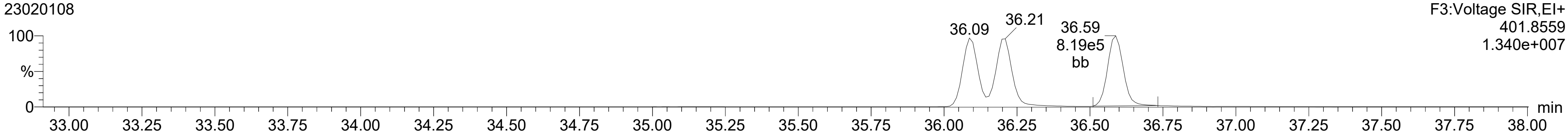

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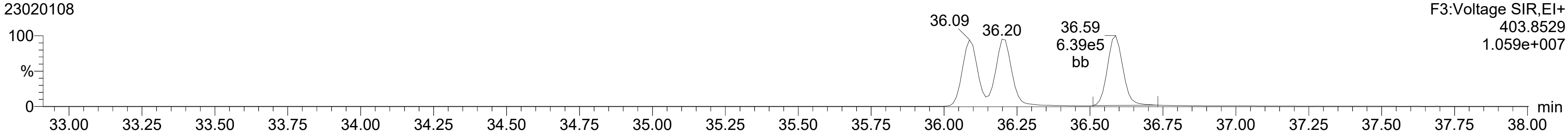

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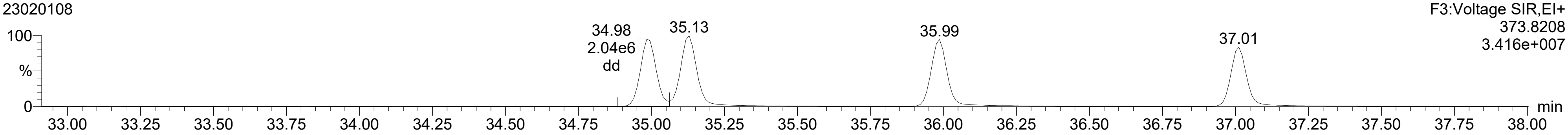

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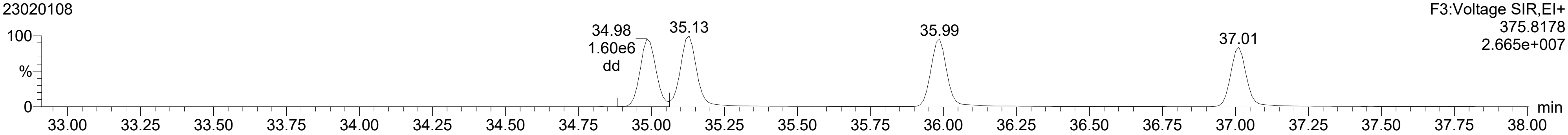

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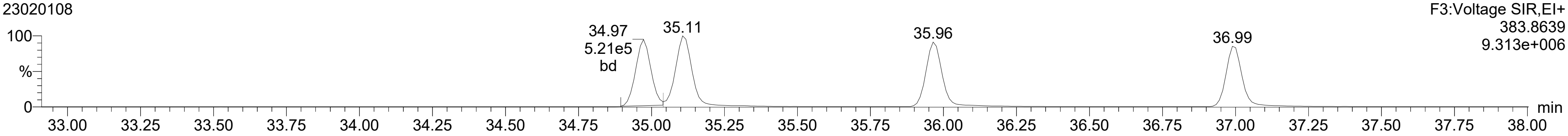

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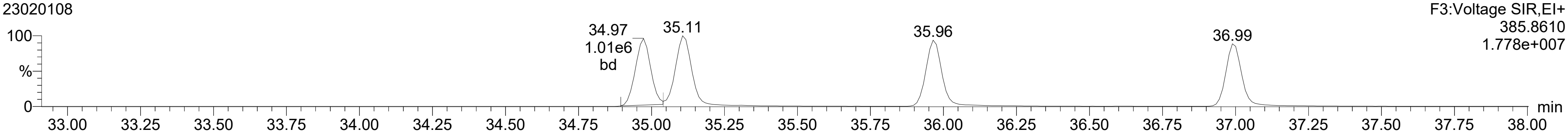
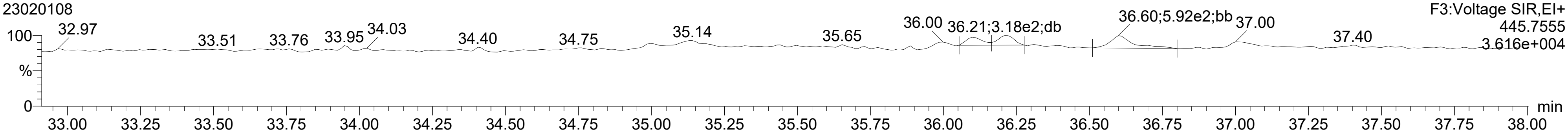


FUNCTION3 OCDPE



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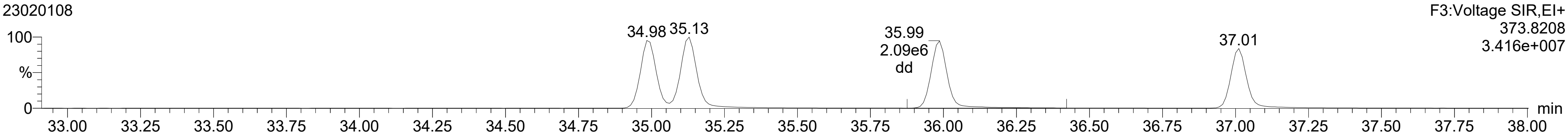

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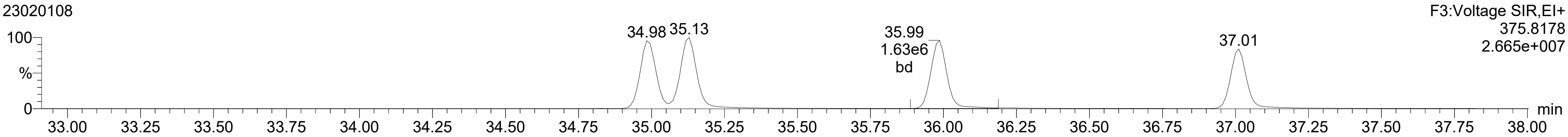

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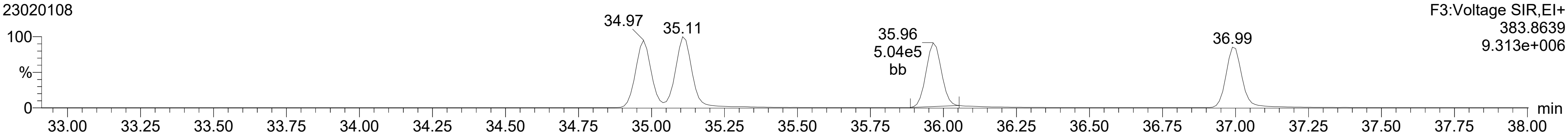

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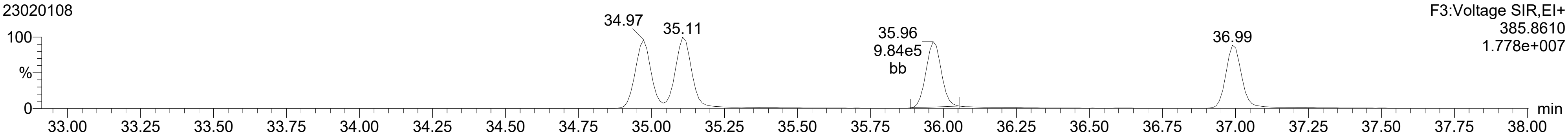

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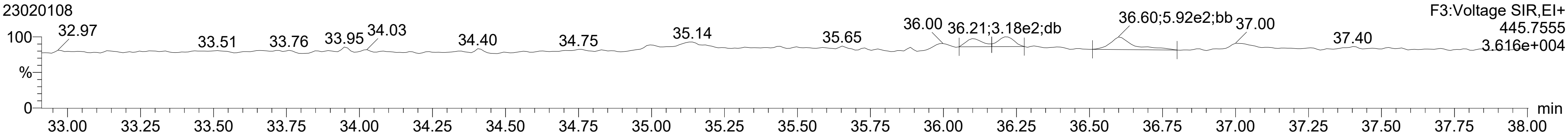

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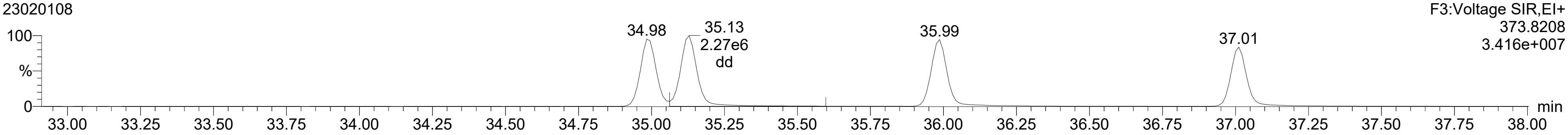

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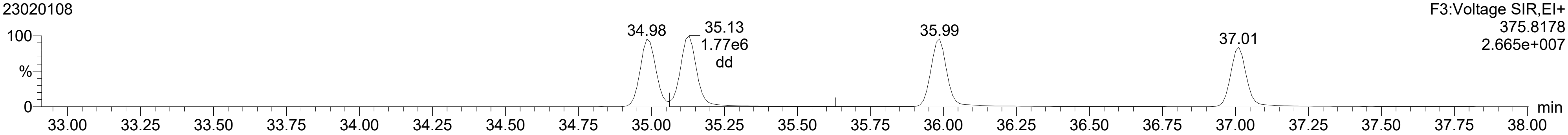

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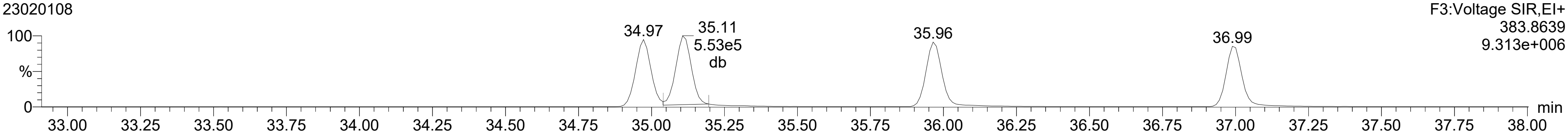

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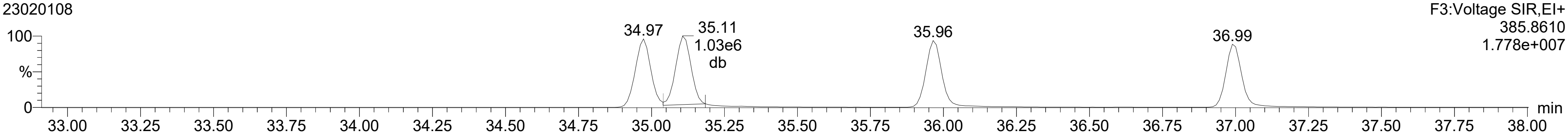

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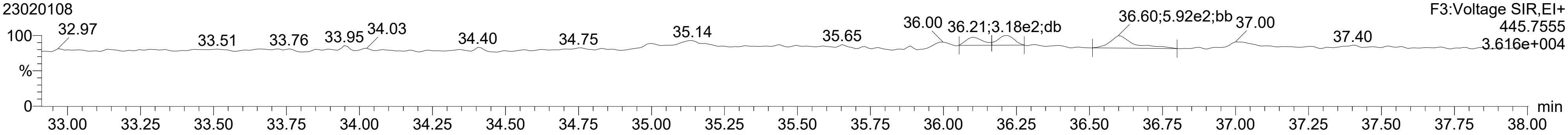

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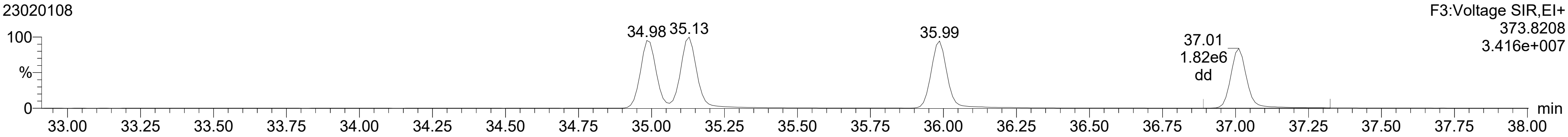

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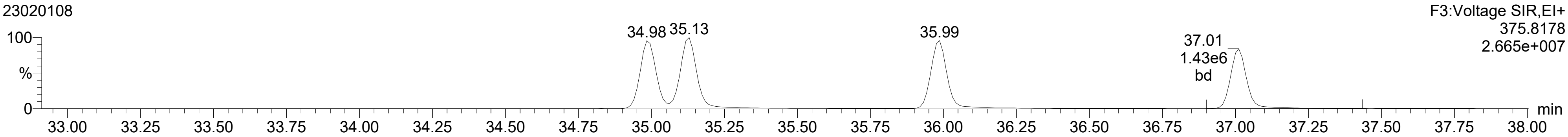

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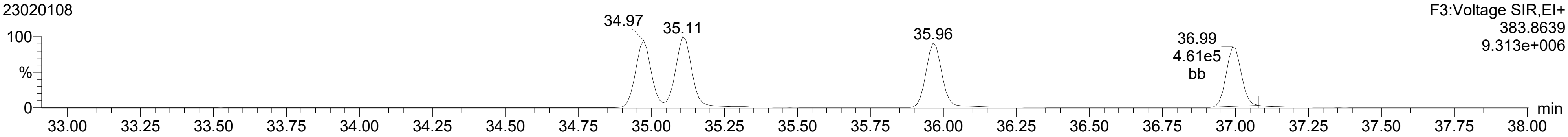

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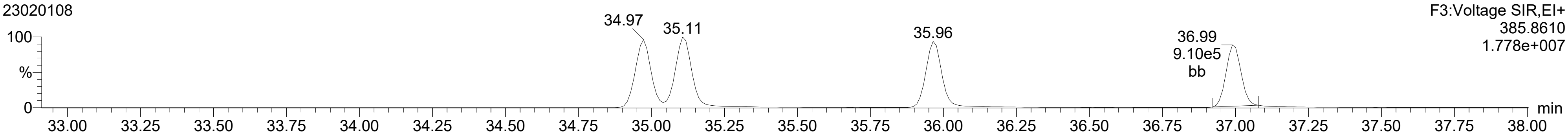

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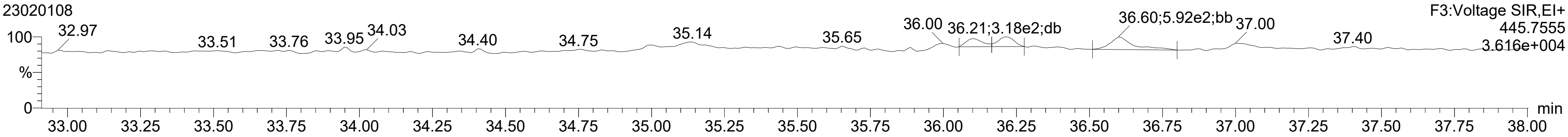

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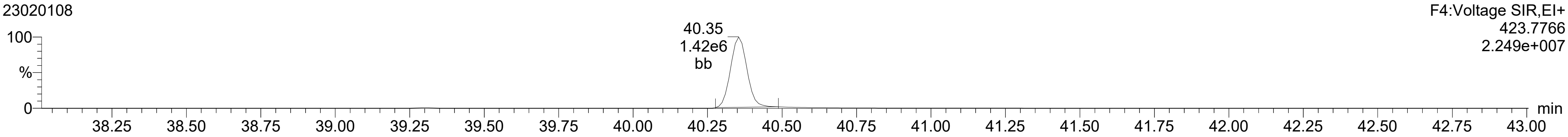

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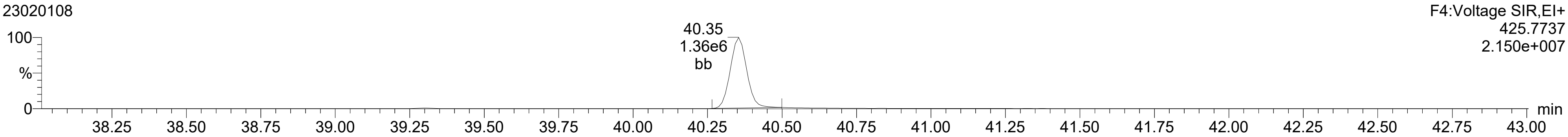

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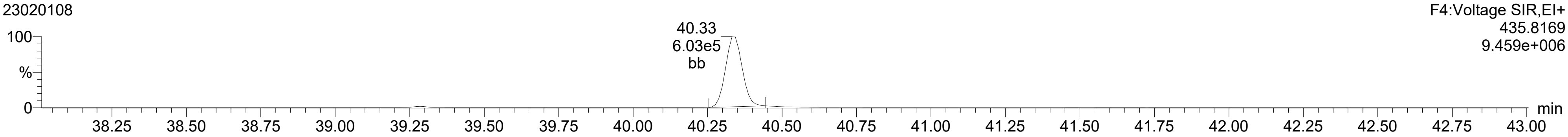

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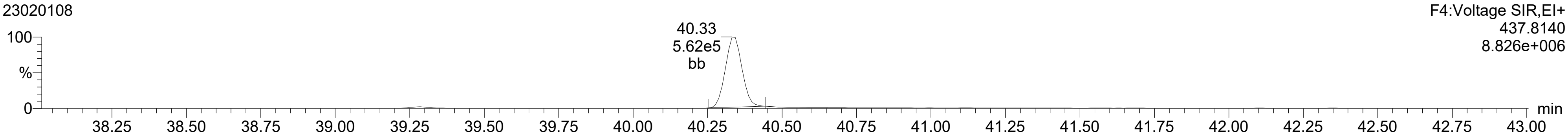

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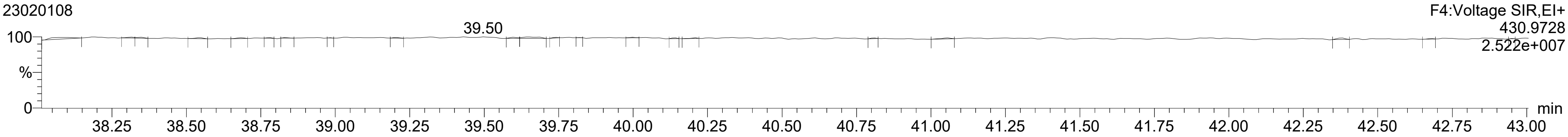

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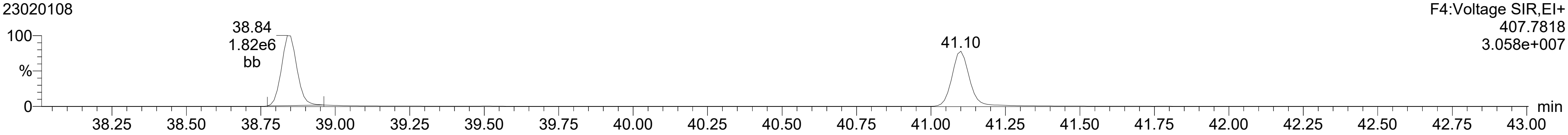

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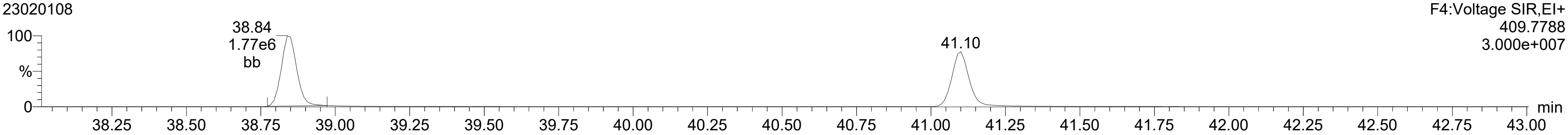

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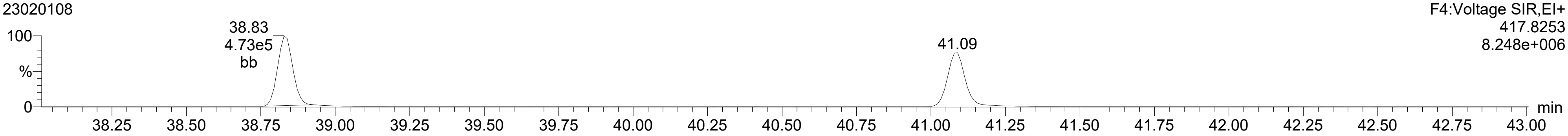

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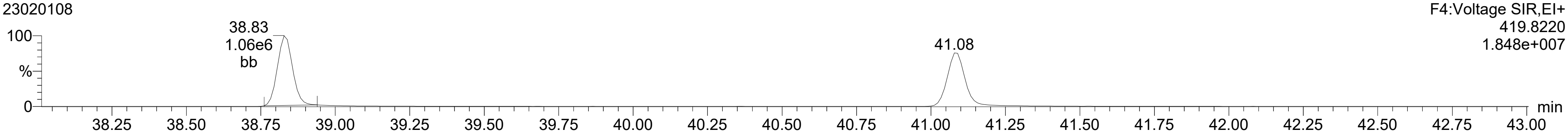

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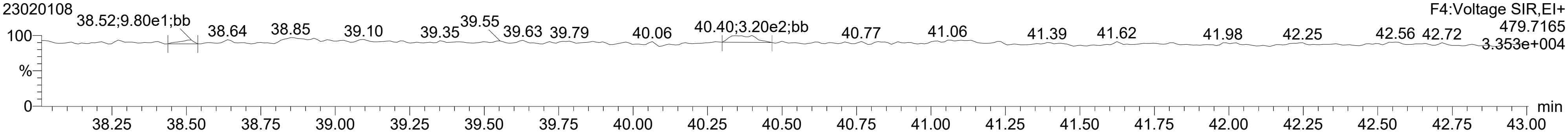

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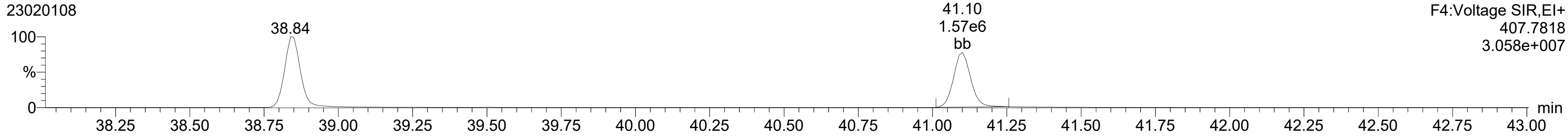

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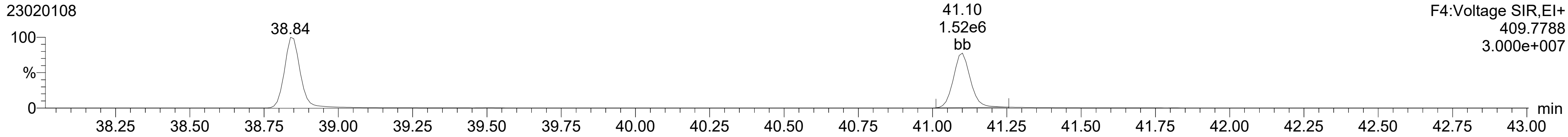

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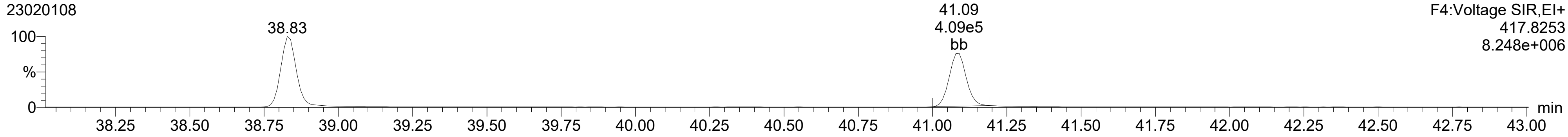

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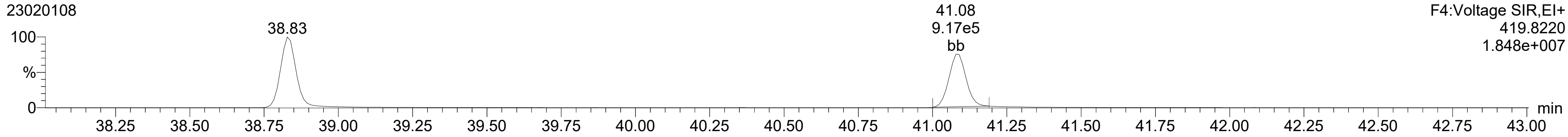

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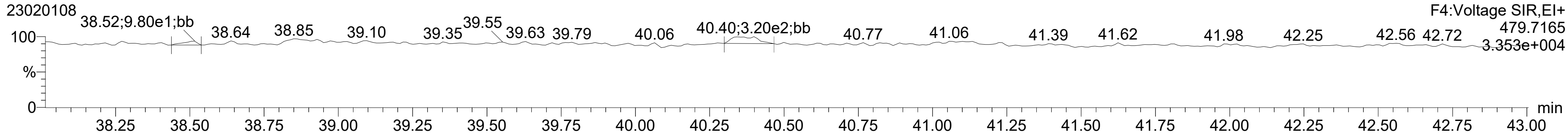

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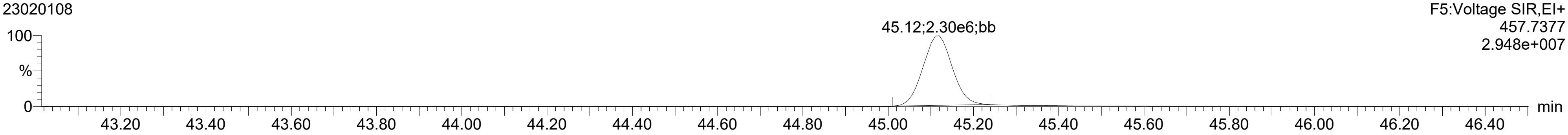
OCDD



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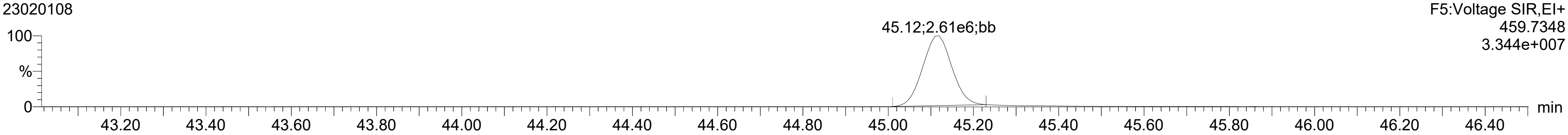

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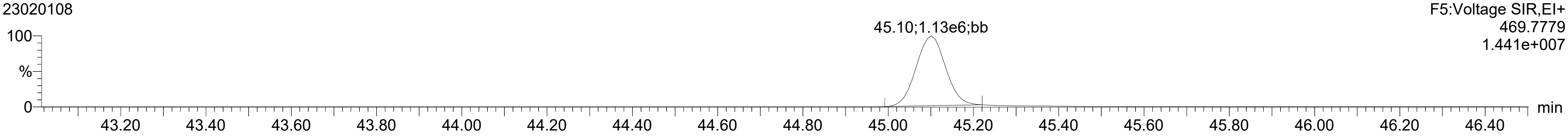

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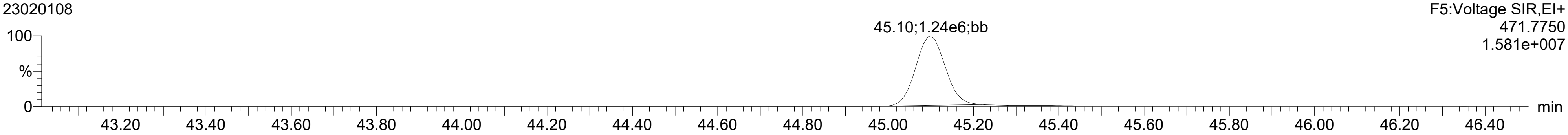

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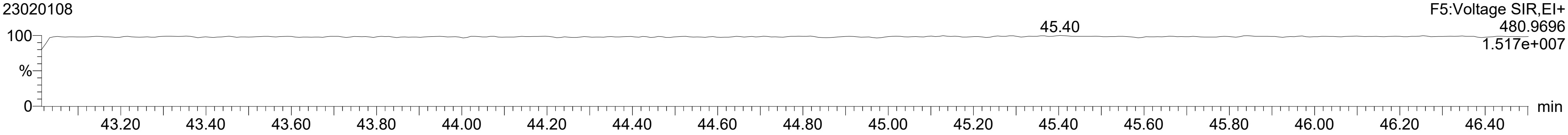

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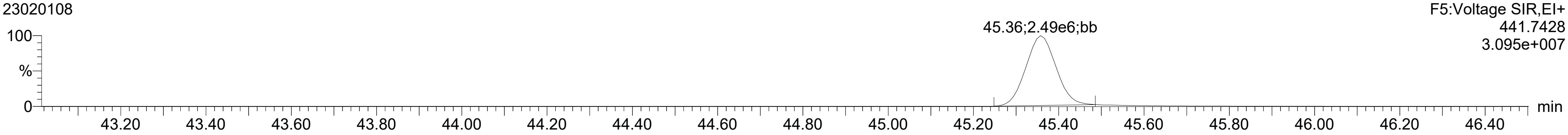
OCDF



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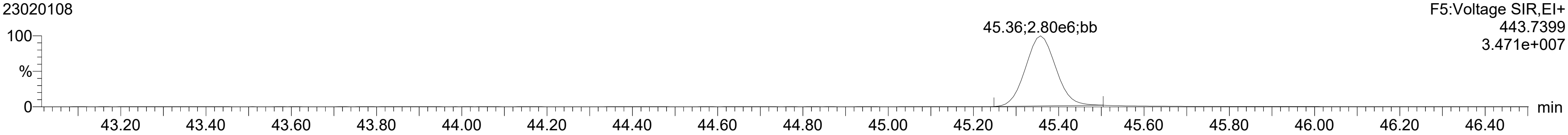
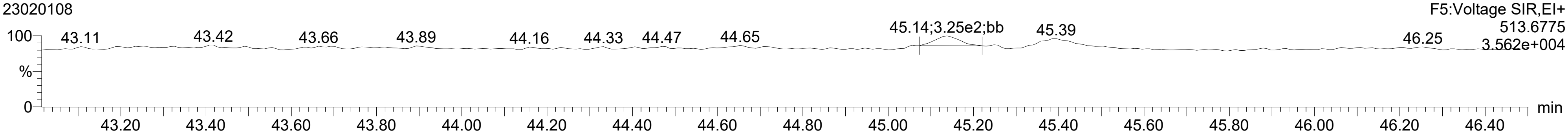
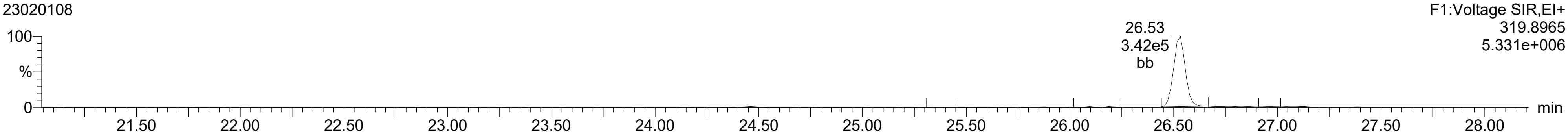


FUNCTION5 DCDPE

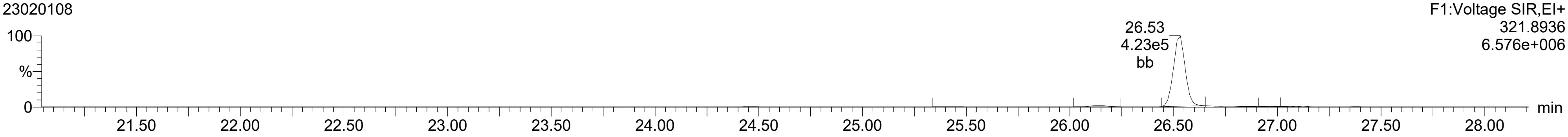


ID: CS4CR, Name: 23020108, Date: 01-Feb-2023, Time: 18:45:20, Conditions: AUTOSPEC01, User: pk

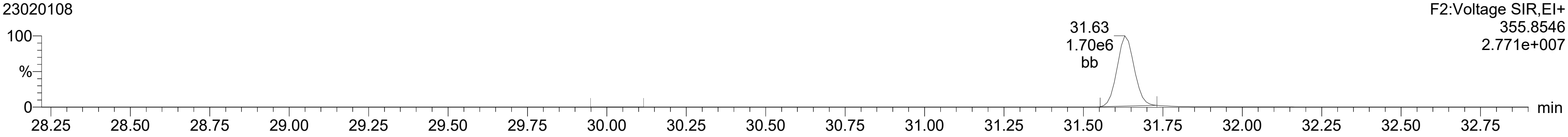
Total-tetradioxins



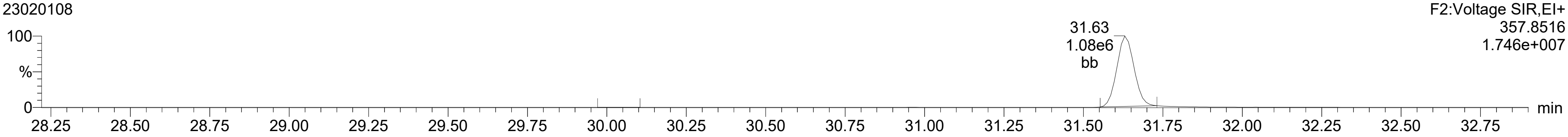
Total-tetradioxins



Total-pentadioxins



Total-pentadioxins



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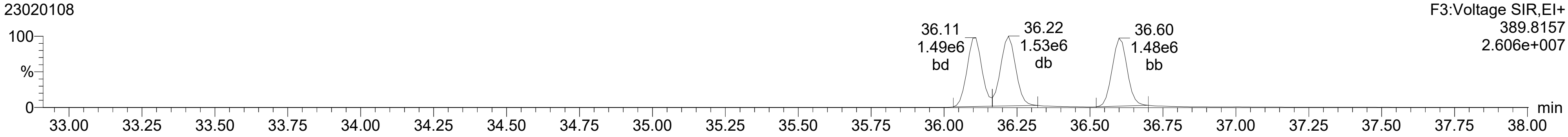

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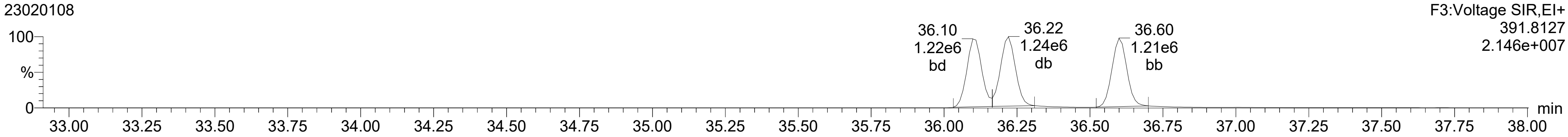

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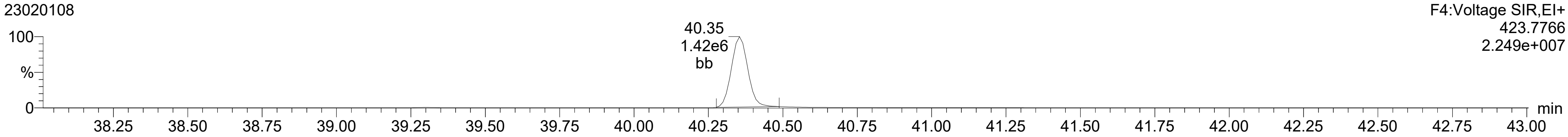

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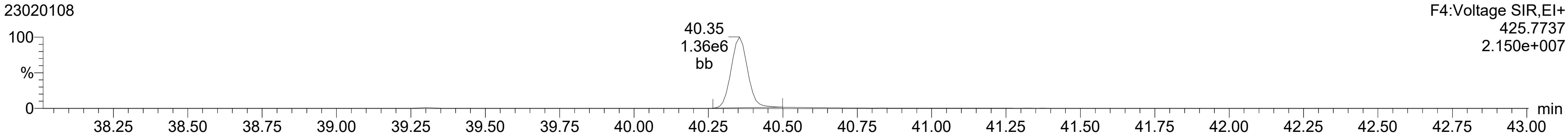
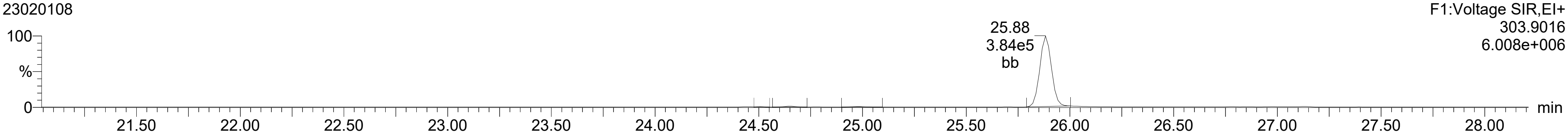
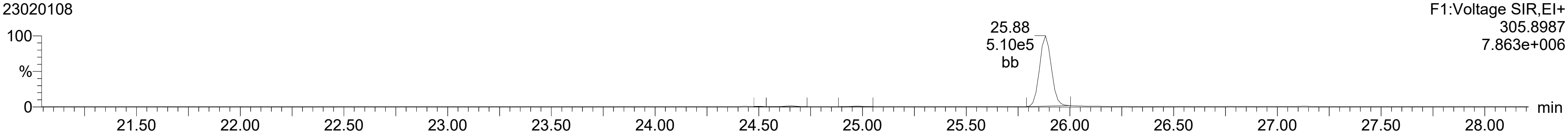


ID: CS4CR, Name: 23020108, Date: 01-Feb-2023, Time: 18:45:20, Conditions: AUTOSPEC01, User: pk

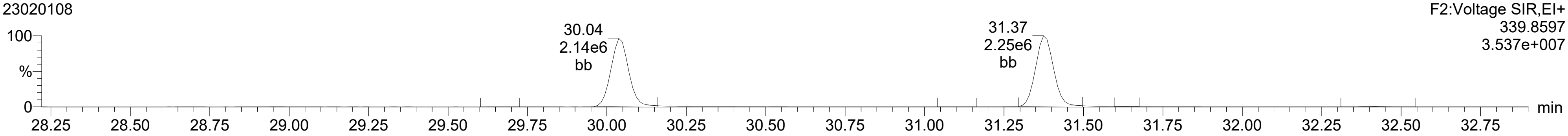
Total-tetrafurans



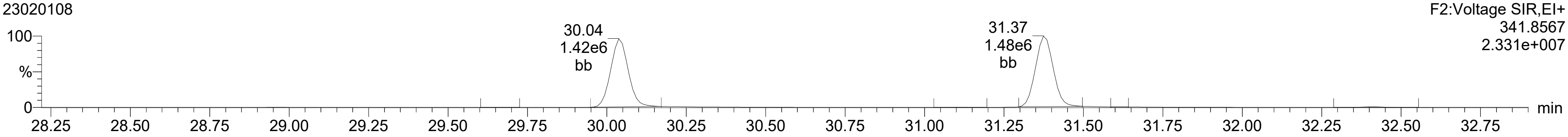
Total-tetrafurans



Total-pentafurans

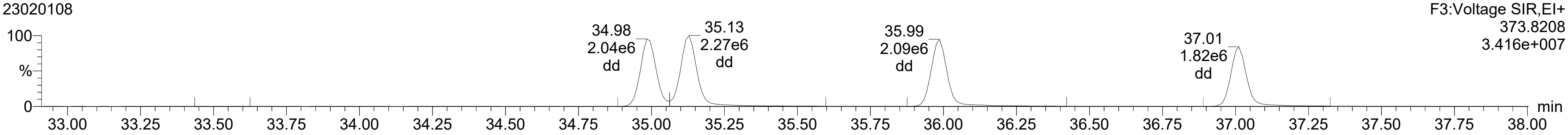


Total-pentafurans



ID: CS4CR, Name: 23020108, Date: 01-Feb-2023, Time: 18:45:20, Conditions: AUTOSPEC01, User: pk

Total-hexafurans



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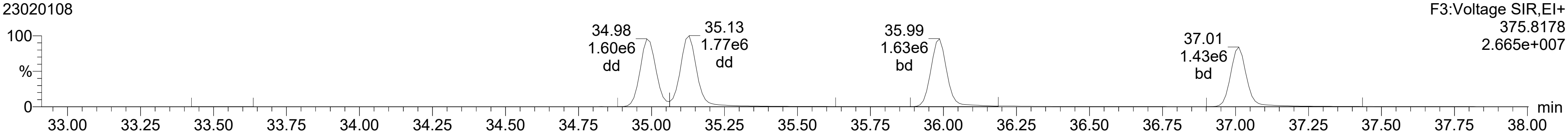
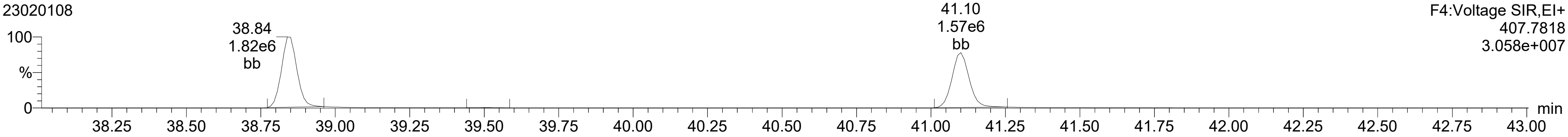
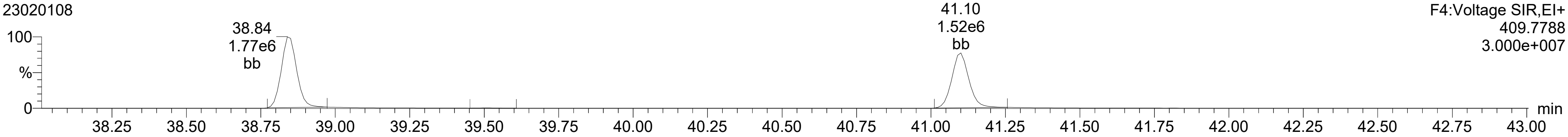


Total-heptafurans



Total-heptafurans



Method: T:\Autospec\Methods\Dioxin230131IH.mdb 03 Feb 2023 10:31:33
Calibration: 03 Feb 2023 10:33:40

ID: CS5CR, Name: 23020109, Date: 01-Feb-2023, Time: 19:34:25, Conditions: AUTOSPEC01, User: pk

Compound	RT	RRT	Ion1Area	Ion2Area	RRF	Ratio	Pred R	Noise 1	Noise 2	Height 1	Height 2	S/N 1	S/N 2	EMPC	Int.1	Int.2	pg
2378-TCDF	25.897	1.001	1.902e6	2.502e6	0.876	0.760	0.770	2083	2633	2.83e7	3.68e7	13592.2	13978.0	NO	bb	bb	198.739
12378-PeCDF	30.049	1.000	1.205e7	7.874e6	0.845	1.531	1.550	7373	5488	1.93e8	1.26e8	26224.5	23031.6	NO	bb	bb	994.981
23478-PeCDF	31.386	1.000	1.269e7	8.370e6	0.911	1.517	1.550	7373	5488	2.06e8	1.36e8	27965.2	24705.2	NO	bb	bb	1016.382
123478-HxCDF	34.995	1.000	1.141e7	8.950e6	1.182	1.275	1.240	3920	5169	1.84e8	1.47e8	46993.0	28370.7	NO	dd	dd	1029.340
234678-HxCDF	35.998	1.001	1.171e7	9.171e6	1.229	1.276	1.240	3920	5169	1.90e8	1.49e8	48596.8	28890.8	NO	dd	dd	1009.446
123678-HxCDF	35.140	1.001	1.235e7	9.894e6	1.248	1.248	1.240	3920	5169	1.94e8	1.54e8	49388.8	29696.3	NO	dd	dd	1025.687
123789-HxCDF	37.023	1.001	1.031e7	8.091e6	1.187	1.275	1.240	3920	5169	1.66e8	1.30e8	42476.6	25233.9	NO	bd	bd	998.443
1234678-HpCDF	38.850	1.000	1.032e7	1.012e7	1.204	1.019	1.050	8904	8155	1.75e8	1.74e8	19676.2	21311.7	NO	bb	bb	964.735
1234789-HpCDF	41.112	1.000	8.967e6	8.709e6	1.165	1.030	1.050	8904	8155	1.36e8	1.32e8	15298.2	16219.3	NO	bb	bb	993.722
OCDF	45.375	1.006	1.493e7	1.667e7	1.186	0.896	0.890	4510	4269	1.90e8	2.12e8	42161.0	49693.7	NO	bb	bb	1895.001
2378-TCDD	26.532	1.001	1.752e6	2.174e6	1.236	0.806	0.770	1459	2196	2.70e7	3.36e7	18498.5	15304.9	NO	bb	bb	198.710
12378-PeCDD	31.642	1.000	9.606e6	6.125e6	1.087	1.568	1.550	3423	1668	1.56e8	9.91e7	45448.5	59405.3	NO	bb	bb	1009.559
123478-HxCDD	36.120	1.001	8.528e6	7.016e6	0.987	1.215	1.240	3213	2854	1.40e8	1.15e8	43594.1	40358.9	NO	bd	bd	1032.837
123678-HxCDD	36.232	1.000	8.754e6	7.068e6	1.021	1.239	1.240	3213	2854	1.51e8	1.23e8	47081.5	43211.8	NO	db	db	969.556
123789-HxCDD	36.611	1.011	8.604e6	7.092e6	0.985	1.213	1.240	3213	2854	1.49e8	1.23e8	46396.6	43264.5	NO	bb	bb	1019.817
1234678-HpCDD	40.365	1.001	8.084e6	7.725e6	1.253	1.046	1.050	4704	6048	1.30e8	1.24e8	27631.4	20454.3	NO	bb	bb	955.606
OCDD	45.138	1.000	1.379e7	1.563e7	1.103	0.882	0.890	4246	3833	1.77e8	2.00e8	41633.2	52271.8	NO	bb	bb	1898.324
13C-2378-TCDF	25.867	1.007	1.117e6	1.412e6	1.768	0.791	0.770	2137	1536	1.68e7	2.15e7	7867.7	13974.0	NO	bb	bb	104.652
13C-12378-PeCDF	30.037	1.169	1.439e6	9.319e5	1.527	1.544	1.550	3190	2679	2.23e7	1.46e7	6993.2	5456.9	NO	bb	bb	113.578
13C-23478-PeCDF	31.375	1.221	1.384e6	8.910e5	1.466	1.553	1.550	3190	2679	2.11e7	1.37e7	6621.6	5099.2	NO	bb	bb	113.466
13C-123478-HxCDF	34.984	0.956	5.247e5	1.149e6	1.054	0.456	0.510	2046	3816	8.96e6	1.85e7	4377.9	4858.6	NO	bb	bd	95.236
13C-123678-HxCDF	35.118	0.960	5.447e5	1.193e6	1.080	0.456	0.510	2046	3816	9.54e6	1.96e7	4663.8	5131.1	NO	bb	db	96.456
13C-234678-HxCDF	35.976	0.983	5.724e5	1.111e6	1.014	0.515	0.510	2046	3816	9.48e6	1.86e7	4633.3	4871.3	NO	bb	bb	99.457
13C-123789-HxCDF	37.001	1.011	5.244e5	1.029e6	0.928	0.510	0.510	2046	3816	8.87e6	1.74e7	4335.4	4558.1	NO	bb	bb	100.353
13C-1234678-HpCDF	38.839	1.061	5.492e5	1.210e6	1.036	0.454	0.440	2607	3522	9.31e6	2.08e7	3570.6	5900.4	NO	bb	bb	101.771
13C-1234789-HpCDF	41.100	1.123	4.687e5	1.058e6	0.905	0.443	0.440	2607	3522	6.97e6	1.56e7	2673.2	4442.5	NO	bb	bb	101.106
13C-1234-TCDD	25.700	0.000	6.087e5	7.585e5	1.000	0.803	0.770	1970	1516	9.39e6	1.18e7	4765.4	7760.6	NO	bb	bb	100.000
13C-2378-TCDD	26.517	1.032	7.055e5	8.929e5	1.103	0.790	0.770	1970	1516	1.10e7	1.38e7	5597.9	9134.2	NO	bb	bb	106.005
13C-12378-PeCDD	31.631	1.231	8.888e5	5.452e5	0.914	1.630	1.550	1596	1437	1.37e7	8.34e6	8557.4	5803.5	NO	bb	bb	114.739
13C-123478-HxCDD	36.098	0.986	8.648e5	6.600e5	0.933	1.310	1.240	2021	1546	1.43e7	1.10e7	7083.3	7089.6	NO	bd	bd	97.968
13C-123678-HxCDD	36.221	0.990	8.909e5	7.079e5	0.965	1.258	1.240	2021	1546	1.49e7	1.18e7	7371.3	7606.4	NO	db	db	99.340
13C-1234678-HpCDD	40.343	1.102	6.795e5	6.413e5	0.782	1.059	1.050	2204	1955	1.08e7	1.02e7	4901.5	5191.4	NO	bb	bb	101.235
13C-OCDD	45.119	1.233	1.338e6	1.473e6	0.788	0.908	0.890	3227	1633	1.70e7	1.87e7	5253.8	11468.7	NO	bb	bb	213.757
13C-123789-HxCDD	36.600	0.000	9.379e5	7.305e5	1.000	1.284	1.240	2021	1546	1.55e7	1.24e7	7683.2	7996.3	NO	bb	bb	100.000
37CL-2378-TCDD	26.532	1.032	3.390e6		1.233			2288		5.24e7		22881.9			bb		201.044

ID: CS5CR, Name: 23020109, Date: 01-Feb-2023, Time: 19:34:25, Conditions: AUTOSPEC01, User: pk

Compound	RT	RRT	Ion1Area	Ion2Area	RRF	Ratio	Pred R	Noise 1	Noise 2	Height 1	Height 2	S/N 1	S/N 2	EMPC	Int.1	Int.2	pg
1368-TCDF					1.064		0.770	2083	2633								
1289-TCDF					0.858		0.770	2083	2633								
13468-PECDF					1.013		1.550	1030	1210								
12389-PECDF					0.844		1.550	7373	5488								
123468-HXCDF					1.197		1.240	3920	5169								
1368-TCDD					1.084		0.770	1459	2196								
1289-TCDD					0.975		0.770	1459	2196								
12479-PECDD					1.837		1.550	3423	1668								
12389-PECDD					1.252		1.550	3423	1668								
124679-HXCDD					1.033		1.240	3213	2854								
1234679-HPCDD					1.286		1.050	4704	6048								
Total-tetrafurans			1.936e6		0.933			2083		2.88e7							202.080
Total-penta1			0.000e0					1030		0.00e0							
Total-pentafurans			2.494e7		0.866			7373		4.02e8							2027.255
Total-hexafurans			4.602e7		1.208			3920		7.37e8							4083.100
Total-heptafurans			1.932e7		1.185			8904		3.12e8							1962.233
Total-Furans			1.071e8		1.067			2083		1.67e9							10169.669
Total-tetradioxins			1.793e6		1.099			1459		2.75e7							203.813
Total-pentadioxins			9.627e6		1.392			3423		1.56e8							1011.307
Total-hexadioxins			2.592e7		1.007			3213		4.41e8							3025.757
Total-heptadioxins			8.084e6		1.269			4704		1.30e8							955.606
Total-Dioxins			5.921e7		1.165			1459		9.31e8							7094.807
Total-TEQ			1.664e8					1459		2.60e9							17264.476
FUNCTION1 PFK			2.029e7					574211		2.20e8							
FUNCTION2 PFK			0.000e0					188547		0.00e0							
FUNCTION3 PFK			1.011e6					450058		2.54e7							0.000
FUNCTION4 PFK			3.839e5					271819		2.65e6							
FUNCTION5 PFK			1.416e4					194883		8.19e5							
FUNCTION1 HXCD...			1.885e3					653		2.55e4							0.000
FUNCTION1 HPCD...			1.625e3					761		2.22e4							0.000
FUNCTION2 HPCD...			1.554e4					835		2.29e5							0.000
FUNCTION3 OCDPE			7.873e3					764		8.87e4							0.000
FUNCTION4 NCDPE			2.525e3					778		3.44e4							0.000
FUNCTION5 DCDPE			4.222e3					726		3.75e4							0.000

Method: T:\Autospec\Methods\Dioxin230131IH.mdb 03 Feb 2023 10:31:33
Calibration: 03 Feb 2023 10:33:40

ID: CS5CR, Name: 23020109, Date: 01-Feb-2023, Time: 19:34:25, Conditions: AUTOSPEC01, User: pk

TF

	Compound	RT	Ion1Area	Ion2Area	RRF	Ratio	Pred R	S/N 1	SNFlag	EMPC	Int.1	Int.2	pg
1	Total-tetrafurans	26.53	2.226e3	3.396e3	0.933	0.66	0.77	11.6	YES	NO	bb	bd	0.238
2	2378-TCDF	25.90	1.902e6	2.502e6	0.876	0.76	0.77	13592.2	YES	NO	bb	bb	198.739
3	Total-tetrafurans	25.72	1.842e3	2.753e3	0.933	0.67	0.77	10.6	YES	NO	bb	bb	0.195
4	Total-tetrafurans	24.97	1.224e4	1.625e4	0.933	0.75	0.77	91.6	YES	NO	db	dd	1.208
5	Total-tetrafurans	24.66	1.707e4	2.304e4	0.933	0.74	0.77	124.7	YES	NO	bd	dd	1.700

PP

	Compound	RT	Ion1Area	Ion2Area	RRF	Ratio	Pred R	S/N 1	SNFlag	EMPC	Int.1	Int.2	pg
1													

PF

	Compound	RT	Ion1Area	Ion2Area	RRF	Ratio	Pred R	S/N 1	SNFlag	EMPC	Int.1	Int.2	pg
1	Total-pentafurans	28.97	3.816e4	2.465e4	0.866	1.55	1.55	67.9	YES	NO	bb	bb	3.121
2	Total-pentafurans	28.68	1.252e3	7.687e2	0.866	1.63	1.55	2.7	NO	NO	bb	bb	0.100
3	Total-pentafurans	31.64	2.450e4	1.763e4	0.866	1.39	1.55	52.8	YES	NO	bb	bb	2.093
4	23478-PeCDF	31.39	1.269e7	8.370e6	0.911	1.52	1.55	27965.2	YES	NO	bb	bb	1016.3...
5	Total-pentafurans	31.12	1.334e4	8.233e3	0.866	1.62	1.55	28.5	YES	NO	bb	bb	1.072
6	Total-pentafurans	30.35	1.243e4	7.715e3	0.866	1.61	1.55	30.7	YES	NO	bb	bb	1.001
7	12378-PeCDF	30.05	1.205e7	7.874e6	0.845	1.53	1.55	26224.5	YES	NO	bb	bb	994.981
8	Total-pentafurans	29.76	8.085e3	5.894e3	0.866	1.37	1.55	15.9	YES	NO	db	db	0.695
9	Total-pentafurans	29.68	6.865e3	3.988e3	0.866	1.72	1.55	14.4	YES	NO	bd	bd	0.539
10	Total-pentafurans	32.42	8.774e4	5.860e4	0.866	1.50	1.55	183.2	YES	NO	bb	bd	7.271

ID: CS5CR, Name: 23020109, Date: 01-Feb-2023, Time: 19:34:25, Conditions: AUTOSPEC01, User: pk

HF

	Compound	RT	Ion1Area	Ion2Area	RRF	Ratio	Pred R	S/N 1	SNFlag	EMPC	Int.1	Int.2	pg
1	123478-HxCDF	35.00	1.141e7	8.950e6	1.182	1.28	1.24	46993.0	YES	NO	dd	dd	1029.3...
2	Total-hexafurans	34.84	1.696e4	1.325e4	1.208	1.28	1.24	72.5	YES	NO	bd	bd	1.504
3	Total-hexafurans	33.55	9.817e3	7.389e3	1.208	1.33	1.24	34.0	YES	NO	dd	db	0.857
4	123789-HxCDF	37.02	1.031e7	8.091e6	1.187	1.27	1.24	42476.6	YES	NO	bd	bd	998.443
5	Total-hexafurans	36.62	3.175e4	2.702e4	1.208	1.17	1.24	85.2	YES	NO	dd	db	2.926
6	Total-hexafurans	36.53	6.162e3	4.947e3	1.208	1.25	1.24	37.3	YES	NO	dd	dd	0.553
7	Total-hexafurans	36.23	1.664e5	1.218e5	1.208	1.37	1.24	331.3	YES	NO	dd	dd	14.345
8	234678-HxCDF	36.00	1.171e7	9.171e6	1.229	1.28	1.24	48596.8	YES	NO	dd	dd	1009.4...
9	123678-HxCDF	35.14	1.235e7	9.894e6	1.248	1.25	1.24	49388.8	YES	NO	dd	dd	1025.6...

HPF

	Compound	RT	Ion1Area	Ion2Area	RRF	Ratio	Pred R	S/N 1	SNFlag	EMPC	Int.1	Int.2	pg
1	1234789-HpCDF	41.11	8.967e6	8.709e6	1.165	1.03	1.05	15298.2	YES	NO	bb	bb	993.722
2	Total-heptafurans	40.38	1.043e4	1.014e4	1.185	1.03	1.05	14.2	YES	NO	bb	bb	1.057
3	Total-heptafurans	39.52	2.112e4	2.199e4	1.185	0.96	1.05	42.5	YES	NO	bb	bb	2.215
4	Total-heptafurans	39.26	5.058e3	4.749e3	1.185	1.07	1.05	11.5	YES	NO	bb	bb	0.504
5	1234678-HpCDF	38.85	1.032e7	1.012e7	1.204	1.02	1.05	19676.2	YES	NO	bb	bb	964.735

ID: CS5CR, Name: 23020109, Date: 01-Feb-2023, Time: 19:34:25, Conditions: AUTOSPEC01, User: pk

Furans,TF,PP,PF,HF,HPF,OF

	Compound	RT	Ion1Area	Ion2Area	RRF	Ratio	Pred R	S/N 1	SNFlag	EMPC	Int.1	Int.2	pg
1	Total-tetrafurans	26.53	2.226e3	3.396e3	0.933	0.66	0.77	11.6	YES	NO	bb	bd	0.238
2	2378-TCDF	25.90	1.902e6	2.502e6	0.876	0.76	0.77	13592.2	YES	NO	bb	bb	198.739
3	Total-tetrafurans	25.72	1.842e3	2.753e3	0.933	0.67	0.77	10.6	YES	NO	bb	bb	0.195
4	Total-tetrafurans	24.97	1.224e4	1.625e4	0.933	0.75	0.77	91.6	YES	NO	db	dd	1.208
5	Total-tetrafurans	24.66	1.707e4	2.304e4	0.933	0.74	0.77	124.7	YES	NO	bd	dd	1.700
6	Total-pentafurans	28.97	3.816e4	2.465e4	0.866	1.55	1.55	67.9	YES	NO	bb	bb	3.121
7	Total-pentafurans	28.68	1.252e3	7.687e2	0.866	1.63	1.55	2.7	NO	NO	bb	bb	0.100
8	Total-pentafurans	31.64	2.450e4	1.763e4	0.866	1.39	1.55	52.8	YES	NO	bb	bb	2.093
9	23478-PeCDF	31.39	1.269e7	8.370e6	0.911	1.52	1.55	27965.2	YES	NO	bb	bb	1016.3...
10	Total-pentafurans	31.12	1.334e4	8.233e3	0.866	1.62	1.55	28.5	YES	NO	bb	bb	1.072
11	Total-pentafurans	30.35	1.243e4	7.715e3	0.866	1.61	1.55	30.7	YES	NO	bb	bb	1.001
12	12378-PeCDF	30.05	1.205e7	7.874e6	0.845	1.53	1.55	26224.5	YES	NO	bb	bb	994.981
13	Total-pentafurans	29.76	8.085e3	5.894e3	0.866	1.37	1.55	15.9	YES	NO	db	db	0.695
14	Total-pentafurans	29.68	6.865e3	3.988e3	0.866	1.72	1.55	14.4	YES	NO	bd	bd	0.539
15	Total-pentafurans	32.42	8.774e4	5.860e4	0.866	1.50	1.55	183.2	YES	NO	bb	bd	7.271
16	123478-HxCDF	35.00	1.141e7	8.950e6	1.182	1.28	1.24	46993.0	YES	NO	dd	dd	1029.3...
17	Total-hexafurans	34.84	1.696e4	1.325e4	1.208	1.28	1.24	72.5	YES	NO	bd	bd	1.504
18	Total-hexafurans	33.55	9.817e3	7.389e3	1.208	1.33	1.24	34.0	YES	NO	dd	db	0.857
19	123789-HxCDF	37.02	1.031e7	8.091e6	1.187	1.27	1.24	42476.6	YES	NO	bd	bd	998.443
20	Total-hexafurans	36.62	3.175e4	2.702e4	1.208	1.17	1.24	85.2	YES	NO	dd	db	2.926
21	Total-hexafurans	36.53	6.162e3	4.947e3	1.208	1.25	1.24	37.3	YES	NO	dd	dd	0.553
22	Total-hexafurans	36.23	1.664e5	1.218e5	1.208	1.37	1.24	331.3	YES	NO	dd	dd	14.345
23	234678-HxCDF	36.00	1.171e7	9.171e6	1.229	1.28	1.24	48596.8	YES	NO	dd	dd	1009.4...
24	123678-HxCDF	35.14	1.235e7	9.894e6	1.248	1.25	1.24	49388.8	YES	NO	dd	dd	1025.6...
25	1234789-HpCDF	41.11	8.967e6	8.709e6	1.165	1.03	1.05	15298.2	YES	NO	bb	bb	993.722
26	Total-heptafurans	40.38	1.043e4	1.014e4	1.185	1.03	1.05	14.2	YES	NO	bb	bb	1.057
27	Total-heptafurans	39.52	2.112e4	2.199e4	1.185	0.96	1.05	42.5	YES	NO	bb	bb	2.215
28	Total-heptafurans	39.26	5.058e3	4.749e3	1.185	1.07	1.05	11.5	YES	NO	bb	bb	0.504
29	1234678-HpCDF	38.85	1.032e7	1.012e7	1.204	1.02	1.05	19676.2	YES	NO	bb	bb	964.735
30	OCDF	45.38	1.493e7	1.667e7	1.186	0.90	0.89	42161.0	YES	NO	bb	bb	1895.0...

TD

	Compound	RT	Ion1Area	Ion2Area	RRF	Ratio	Pred R	S/N 1	SNFlag	EMPC	Int.1	Int.2	pg
1	2378-TCDD	26.53	1.752e6	2.174e6	1.236	0.81	0.77	18498.5	YES	NO	bb	bb	198.710
2	Total-tetradioxins	26.15	3.848e4	4.731e4	1.099	0.81	0.77	307.2	YES	NO	bb	bb	4.885
3	Total-tetradioxins	25.40	1.655e3	2.163e3	1.099	0.76	0.77	18.7	YES	NO	bb	bb	0.217

ID: CS5CR, Name: 23020109, Date: 01-Feb-2023, Time: 19:34:25, Conditions: AUTOSPEC01, User: pk

PD

	Compound	RT	Ion1Area	Ion2Area	RRF	Ratio	Pred R	S/N 1	SNFlag	EMPC	Int.1	Int.2	pg
1	12378-PeCDD	31.64	9.606e6	6.125e6	1.087	1.57	1.55	45448.5	YES	NO	bb	bb	1009.5...
2	Total-pentadioxins	30.97	1.150e4	6.979e3	1.392	1.65	1.55	51.3	YES	NO	bb	bd	0.925
3	Total-pentadioxins	30.41	1.660e3	1.100e3	1.392	1.51	1.55	6.6	YES	NO	db	db	0.138
4	Total-pentadioxins	30.05	7.800e3	5.854e3	1.392	1.33	1.55	33.3	YES	NO	bd	bd	0.684

HD

	Compound	RT	Ion1Area	Ion2Area	RRF	Ratio	Pred R	S/N 1	SNFlag	EMPC	Int.1	Int.2	pg
1	Total-hexadioxins	34.88	8.900e2	7.985e2	1.007	1.11	1.24	4.5	YES	NO	bd	bd	0.107
2	Total-hexadioxins	37.15	6.920e2	5.023e2	1.007	1.38	1.24	4.7	YES	NO	db	bb	0.076
3	Total-hexadioxins	37.02	2.963e4	2.325e4	1.007	1.27	1.24	128.2	YES	NO	bd	bb	3.364
4	123789-HxCDD	36.61	8.604e6	7.092e6	0.985	1.21	1.24	46396.6	YES	NO	bb	bb	1019.8...
5	123678-HxCDD	36.23	8.754e6	7.068e6	1.021	1.24	1.24	47081.5	YES	NO	db	db	969.556
6	123478-HxCDD	36.12	8.528e6	7.016e6	0.987	1.22	1.24	43594.1	YES	NO	bd	bd	1032.8...

HPD

	Compound	RT	Ion1Area	Ion2Area	RRF	Ratio	Pred R	S/N 1	SNFlag	EMPC	Int.1	Int.2	pg
1	1234678-HpCDD	40.37	8.084e6	7.725e6	1.253	1.05	1.05	27631.4	YES	NO	bb	bb	955.606

ID: CS5CR, Name: 23020109, Date: 01-Feb-2023, Time: 19:34:25, Conditions: AUTOSPEC01, User: pk

Dioxins,TD,PD,HD,HPD,OD

	Compound	RT	Ion1Area	Ion2Area	RRF	Ratio	Pred R	S/N 1	SNFlag	EMPC	Int.1	Int.2	pg
1	2378-TCDD	26.53	1.752e6	2.174e6	1.236	0.81	0.77	18498.5	YES	NO	bb	bb	198.710
2	Total-tetradioxins	26.15	3.848e4	4.731e4	1.099	0.81	0.77	307.2	YES	NO	bb	bb	4.885
3	Total-tetradioxins	25.40	1.655e3	2.163e3	1.099	0.76	0.77	18.7	YES	NO	bb	bb	0.217
4	12378-PeCDD	31.64	9.606e6	6.125e6	1.087	1.57	1.55	45448.5	YES	NO	bb	bb	1009.5...
5	Total-pentadioxins	30.97	1.150e4	6.979e3	1.392	1.65	1.55	51.3	YES	NO	bb	bd	0.925
6	Total-pentadioxins	30.41	1.660e3	1.100e3	1.392	1.51	1.55	6.6	YES	NO	db	db	0.138
7	Total-pentadioxins	30.05	7.800e3	5.854e3	1.392	1.33	1.55	33.3	YES	NO	bd	bd	0.684
8	Total-hexadioxins	34.88	8.900e2	7.985e2	1.007	1.11	1.24	4.5	YES	NO	bd	bd	0.107
9	Total-hexadioxins	37.15	6.920e2	5.023e2	1.007	1.38	1.24	4.7	YES	NO	db	bb	0.076
10	Total-hexadioxins	37.02	2.963e4	2.325e4	1.007	1.27	1.24	128.2	YES	NO	bd	bb	3.364
11	123789-HxCDD	36.61	8.604e6	7.092e6	0.985	1.21	1.24	46396.6	YES	NO	bb	bb	1019.8...
12	123678-HxCDD	36.23	8.754e6	7.068e6	1.021	1.24	1.24	47081.5	YES	NO	db	db	969.556
13	123478-HxCDD	36.12	8.528e6	7.016e6	0.987	1.22	1.24	43594.1	YES	NO	bd	bd	1032.8...
14	1234678-HpCDD	40.37	8.084e6	7.725e6	1.253	1.05	1.05	27631.4	YES	NO	bb	bb	955.606
15	OCDD	45.14	1.379e7	1.563e7	1.103	0.88	0.89	41633.2	YES	NO	bb	bb	1898.3...

ID: CS5CR, Name: 23020109, Date: 01-Feb-2023, Time: 19:34:25, Conditions: AUTOSPEC01, User: pk

TotalTEQ,Furans,Dioxins

	Compound	RT	Ion1Area	Ion2Area	RRF	Ratio	Pred R	S/N 1	SNFlag	EMPC	Int.1	Int.2	pg
1	Total-tetrafurans	26.53	2.226e3	3.396e3	0.933	0.66	0.77	11.6	YES	NO	bb	bd	0.238
2	2378-TCDF	25.90	1.902e6	2.502e6	0.876	0.76	0.77	13592.2	YES	NO	bb	bb	198.739
3	Total-tetrafurans	25.72	1.842e3	2.753e3	0.933	0.67	0.77	10.6	YES	NO	bb	bb	0.195
4	Total-tetrafurans	24.97	1.224e4	1.625e4	0.933	0.75	0.77	91.6	YES	NO	db	dd	1.208
5	Total-tetrafurans	24.66	1.707e4	2.304e4	0.933	0.74	0.77	124.7	YES	NO	bd	dd	1.700
6	Total-pentafurans	28.97	3.816e4	2.465e4	0.866	1.55	1.55	67.9	YES	NO	bb	bb	3.121
7	Total-pentafurans	28.68	1.252e3	7.687e2	0.866	1.63	1.55	2.7	NO	NO	bb	bb	0.100
8	Total-pentafurans	31.64	2.450e4	1.763e4	0.866	1.39	1.55	52.8	YES	NO	bb	bb	2.093
9	23478-PeCDF	31.39	1.269e7	8.370e6	0.911	1.52	1.55	27965.2	YES	NO	bb	bb	1016.3...
10	Total-pentafurans	31.12	1.334e4	8.233e3	0.866	1.62	1.55	28.5	YES	NO	bb	bb	1.072
11	Total-pentafurans	30.35	1.243e4	7.715e3	0.866	1.61	1.55	30.7	YES	NO	bb	bb	1.001
12	12378-PeCDF	30.05	1.205e7	7.874e6	0.845	1.53	1.55	26224.5	YES	NO	bb	bb	994.981
13	Total-pentafurans	29.76	8.085e3	5.894e3	0.866	1.37	1.55	15.9	YES	NO	db	db	0.695
14	Total-pentafurans	29.68	6.865e3	3.988e3	0.866	1.72	1.55	14.4	YES	NO	bd	bd	0.539
15	Total-pentafurans	32.42	8.774e4	5.860e4	0.866	1.50	1.55	183.2	YES	NO	bb	bd	7.271
16	123478-HxCDF	35.00	1.141e7	8.950e6	1.182	1.28	1.24	46993.0	YES	NO	dd	dd	1029.3...
17	Total-hexafurans	34.84	1.696e4	1.325e4	1.208	1.28	1.24	72.5	YES	NO	bd	bd	1.504
18	Total-hexafurans	33.55	9.817e3	7.389e3	1.208	1.33	1.24	34.0	YES	NO	dd	db	0.857
19	123789-HxCDF	37.02	1.031e7	8.091e6	1.187	1.27	1.24	42476.6	YES	NO	bd	bd	998.443
20	Total-hexafurans	36.62	3.175e4	2.702e4	1.208	1.17	1.24	85.2	YES	NO	dd	db	2.926
21	Total-hexafurans	36.53	6.162e3	4.947e3	1.208	1.25	1.24	37.3	YES	NO	dd	dd	0.553
22	Total-hexafurans	36.23	1.664e5	1.218e5	1.208	1.37	1.24	331.3	YES	NO	dd	dd	14.345
23	234678-HxCDF	36.00	1.171e7	9.171e6	1.229	1.28	1.24	48596.8	YES	NO	dd	dd	1009.4...
24	123678-HxCDF	35.14	1.235e7	9.894e6	1.248	1.25	1.24	49388.8	YES	NO	dd	dd	1025.6...
25	1234789-HpCDF	41.11	8.967e6	8.709e6	1.165	1.03	1.05	15298.2	YES	NO	bb	bb	993.722
26	Total-heptafurans	40.38	1.043e4	1.014e4	1.185	1.03	1.05	14.2	YES	NO	bb	bb	1.057
27	Total-heptafurans	39.52	2.112e4	2.199e4	1.185	0.96	1.05	42.5	YES	NO	bb	bb	2.215
28	Total-heptafurans	39.26	5.058e3	4.749e3	1.185	1.07	1.05	11.5	YES	NO	bb	bb	0.504
29	1234678-HpCDF	38.85	1.032e7	1.012e7	1.204	1.02	1.05	19676.2	YES	NO	bb	bb	964.735
30	OCDF	45.38	1.493e7	1.667e7	1.186	0.90	0.89	42161.0	YES	NO	bb	bb	1895.0...
31	2378-TCDD	26.53	1.752e6	2.174e6	1.236	0.81	0.77	18498.5	YES	NO	bb	bb	198.710
32	Total-tetradioxins	26.15	3.848e4	4.731e4	1.099	0.81	0.77	307.2	YES	NO	bb	bb	4.885
33	Total-tetradioxins	25.40	1.655e3	2.163e3	1.099	0.76	0.77	18.7	YES	NO	bb	bb	0.217
34	12378-PeCDD	31.64	9.606e6	6.125e6	1.087	1.57	1.55	45448.5	YES	NO	bb	bb	1009.5...
35	Total-pentadioxins	30.97	1.150e4	6.979e3	1.392	1.65	1.55	51.3	YES	NO	bb	bd	0.925
36	Total-pentadioxins	30.41	1.660e3	1.100e3	1.392	1.51	1.55	6.6	YES	NO	db	db	0.138
37	Total-pentadioxins	30.05	7.800e3	5.854e3	1.392	1.33	1.55	33.3	YES	NO	bd	bd	0.684

ID: CS5CR, Name: 23020109, Date: 01-Feb-2023, Time: 19:34:25, Conditions: AUTOSPEC01, User: pk

TotalTEQ,Furans,Dioxins

	Compound	RT	Ion1Area	Ion2Area	RRF	Ratio	Pred R	S/N 1	SNFlag	EMPC	Int.1	Int.2	pg
38	Total-hexadioxins	34.88	8.900e2	7.985e2	1.007	1.11	1.24	4.5	YES	NO	bd	bd	0.107
39	Total-hexadioxins	37.15	6.920e2	5.023e2	1.007	1.38	1.24	4.7	YES	NO	db	bb	0.076
40	Total-hexadioxins	37.02	2.963e4	2.325e4	1.007	1.27	1.24	128.2	YES	NO	bd	bb	3.364
41	123789-HxCDD	36.61	8.604e6	7.092e6	0.985	1.21	1.24	46396.6	YES	NO	bb	bb	1019.8...
42	123678-HxCDD	36.23	8.754e6	7.068e6	1.021	1.24	1.24	47081.5	YES	NO	db	db	969.556
43	123478-HxCDD	36.12	8.528e6	7.016e6	0.987	1.22	1.24	43594.1	YES	NO	bd	bd	1032.8...
44	1234678-HpCDD	40.37	8.084e6	7.725e6	1.253	1.05	1.05	27631.4	YES	NO	bb	bb	955.606
45	OCDD	45.14	1.379e7	1.563e7	1.103	0.88	0.89	41633.2	YES	NO	bb	bb	1898.3...

ID: CS5CR, Name: 23020109, Date: 01-Feb-2023, Time: 19:34:25, Conditions: AUTOSPEC01, User: pk

PFK1

	Compound	RT	Ion1Area	Ion2Area	RRF	Ratio	Pred R	S/N 1	SNFlag	EMPC	Int.1	Int.2	pg
1	FUNCTION1 PFK	21.86	8.873e5					21.2	YES		dd		
2	FUNCTION1 PFK	21.80	7.665e5					22.5	YES		dd		
3	FUNCTION1 PFK	21.74	1.019e6					23.9	YES		dd		
4	FUNCTION1 PFK	21.59	1.959e6					26.2	YES		dd		
5	FUNCTION1 PFK	21.53	6.962e5					27.3	YES		dd		
6	FUNCTION1 PFK	21.47	1.211e6					28.6	YES		dd		
7	FUNCTION1 PFK	21.41	1.009e6					29.4	YES		dd		
8	FUNCTION1 PFK	21.13	5.872e6					34.2	YES		bd		
9	FUNCTION1 PFK	23.67	5.720e3					0.4	NO		bb		
10	FUNCTION1 PFK	23.28	9.896e3					0.7	NO		bb		
11	FUNCTION1 PFK	23.24	1.090e4					0.7	NO		bb		
12	FUNCTION1 PFK	23.16	1.031e4					0.6	NO		bb		
13	FUNCTION1 PFK	22.96	3.707e4					1.5	NO		db		
14	FUNCTION1 PFK	22.84	1.630e5					3.4	YES		dd		
15	FUNCTION1 PFK	22.72	3.257e5					5.8	YES		dd		
16	FUNCTION1 PFK	22.59	5.378e5					8.3	YES		dd		
17	FUNCTION1 PFK	22.53	8.039e5					8.9	YES		dd		
18	FUNCTION1 PFK	22.37	3.709e5					11.1	YES		dd		
19	FUNCTION1 PFK	22.31	5.024e5					12.0	YES		dd		
20	FUNCTION1 PFK	22.18	9.225e5					14.7	YES		dd		
21	FUNCTION1 PFK	22.12	3.970e5					15.8	YES		dd		
22	FUNCTION1 PFK	22.07	7.082e5					16.9	YES		dd		
23	FUNCTION1 PFK	22.00	6.094e5					18.0	YES		dd		
24	FUNCTION1 PFK	21.94	6.575e5					19.5	YES		dd		
25	FUNCTION1 PFK	26.06	4.194e4					1.5	NO		bb		
26	FUNCTION1 PFK	25.69	3.568e4					1.2	NO		bb		
27	FUNCTION1 PFK	25.56	8.323e3					0.5	NO		bb		
28	FUNCTION1 PFK	25.49	1.374e4					0.7	NO		bb		
29	FUNCTION1 PFK	25.10	2.036e4					1.0	NO		db		
30	FUNCTION1 PFK	25.02	2.247e4					1.0	NO		bd		
31	FUNCTION1 PFK	24.96	3.286e4					1.5	NO		db		
32	FUNCTION1 PFK	24.90	1.152e4					0.7	NO		bd		
33	FUNCTION1 PFK	24.84	1.639e4					1.0	NO		bb		
34	FUNCTION1 PFK	24.78	2.451e4					1.1	NO		db		
35	FUNCTION1 PFK	24.72	2.714e4					1.2	NO		bd		
36	FUNCTION1 PFK	24.55	3.918e3					0.5	NO		bb		
37	FUNCTION1 PFK	24.37	3.551e4					1.1	NO		bb		

ID: CS5CR, Name: 23020109, Date: 01-Feb-2023, Time: 19:34:25, Conditions: AUTOSPEC01, User: pk

PFK1

	Compound	RT	Ion1Area	Ion2Area	RRF	Ratio	Pred R	S/N 1	SNFlag	EMPC	Int.1	Int.2	pg
38	FUNCTION1 PFK	24.01	2.091e4					0.9	NO		bb		
39	FUNCTION1 PFK	23.87	1.925e4					0.9	NO		db		
40	FUNCTION1 PFK	23.80	1.436e4					0.7	NO		bd		
41	FUNCTION1 PFK	27.74	4.148e4					1.2	NO		bb		
42	FUNCTION1 PFK	27.61	1.687e4					0.9	NO		bb		
43	FUNCTION1 PFK	27.36	2.823e4					1.3	NO		bb		
44	FUNCTION1 PFK	27.23	1.221e4					0.7	NO		bb		
45	FUNCTION1 PFK	27.11	2.196e4					0.8	NO		bb		
46	FUNCTION1 PFK	27.03	4.103e4					1.6	NO		db		
47	FUNCTION1 PFK	26.97	5.610e4					1.7	NO		dd		
48	FUNCTION1 PFK	26.86	5.847e4					1.3	NO		dd		
49	FUNCTION1 PFK	26.79	3.039e4					1.0	NO		bd		
50	FUNCTION1 PFK	26.68	1.065e4					0.6	NO		db		
51	FUNCTION1 PFK	26.64	8.185e3					0.7	NO		bd		
52	FUNCTION1 PFK	26.52	5.718e4					1.5	NO		bb		
53	FUNCTION1 PFK	26.40	1.679e4					0.7	NO		bb		
54	FUNCTION1 PFK	26.32	9.414e3					0.6	NO		bb		
55	FUNCTION1 PFK	26.18	2.178e4					1.0	NO		db		
56	FUNCTION1 PFK	26.14	1.887e4					1.1	NO		bd		
57	FUNCTION1 PFK	27.98	3.090e3					0.4	NO		bb		

PFK2

	Compound	RT	Ion1Area	Ion2Area	RRF	Ratio	Pred R	S/N 1	SNFlag	EMPC	Int.1	Int.2	pg
1													

ID: CS5CR, Name: 23020109, Date: 01-Feb-2023, Time: 19:34:25, Conditions: AUTOSPEC01, User: pk

PFK3

	Compound	RT	Ion1Area	Ion2Area	RRF	Ratio	Pred R	S/N 1	SNFlag	EMPC	Int.1	Int.2	pg
1	FUNCTION3 PFK	34.39	1.483e4					1.1	NO		db		0.000
2	FUNCTION3 PFK	34.35	2.582e4					1.3	NO		bd		0.000
3	FUNCTION3 PFK	34.26	2.395e4					1.1	NO		bb		0.000
4	FUNCTION3 PFK	34.15	1.551e4					1.0	NO		db		0.000
5	FUNCTION3 PFK	34.09	2.978e3					0.4	NO		bd		0.000
6	FUNCTION3 PFK	33.87	2.703e4					1.3	NO		db		0.000
7	FUNCTION3 PFK	33.76	2.846e4					1.4	NO		dd		0.000
8	FUNCTION3 PFK	33.70	9.928e3					0.9	NO		bd		0.000
9	FUNCTION3 PFK	33.66	2.430e3					0.5	NO		bb		0.000
10	FUNCTION3 PFK	33.47	5.051e4					0.9	NO		db		0.000
11	FUNCTION3 PFK	33.37	2.100e4					1.4	NO		bd		0.000
12	FUNCTION3 PFK	33.17	1.358e4					1.0	NO		db		0.000
13	FUNCTION3 PFK	33.13	8.975e3					0.9	NO		bd		0.000
14	FUNCTION3 PFK	35.80	8.372e3					0.8	NO		bb		0.000
15	FUNCTION3 PFK	35.71	2.156e4					1.3	NO		db		0.000
16	FUNCTION3 PFK	35.67	2.235e4					1.3	NO		bd		0.000
17	FUNCTION3 PFK	35.59	9.805e3					0.8	NO		bb		0.000
18	FUNCTION3 PFK	35.53	4.290e3					0.5	NO		bb		0.000
19	FUNCTION3 PFK	35.33	9.302e3					1.0	NO		db		0.000
20	FUNCTION3 PFK	35.30	1.165e4					1.0	NO		bd		0.000
21	FUNCTION3 PFK	35.25	5.126e3					0.7	NO		bb		0.000
22	FUNCTION3 PFK	35.14	1.556e4					0.8	NO		bb		0.000
23	FUNCTION3 PFK	35.10	5.550e3					0.6	NO		bb		0.000
24	FUNCTION3 PFK	35.06	1.779e3					0.4	NO		bb		0.000
25	FUNCTION3 PFK	34.91	4.171e3					0.5	NO		bb		0.000
26	FUNCTION3 PFK	34.86	1.499e4					1.4	NO		bb		0.000
27	FUNCTION3 PFK	34.81	6.634e3					0.6	NO		bb		0.000
28	FUNCTION3 PFK	34.58	1.500e4					1.1	NO		bb		0.000
29	FUNCTION3 PFK	34.53	1.395e3					0.3	NO		bb		0.000
30	FUNCTION3 PFK	37.08	1.137e4					1.0	NO		dd		0.000
31	FUNCTION3 PFK	36.99	7.110e4					2.2	NO		bd		0.000
32	FUNCTION3 PFK	36.92	2.314e3					0.5	NO		bb		0.000
33	FUNCTION3 PFK	36.88	7.392e3					0.6	NO		db		0.000
34	FUNCTION3 PFK	36.81	7.817e3					0.4	NO		bd		0.000
35	FUNCTION3 PFK	36.77	1.226e4					0.8	NO		bb		0.000
36	FUNCTION3 PFK	36.61	7.220e4					1.7	NO		bb		0.000
37	FUNCTION3 PFK	36.40	2.247e4					1.6	NO		bb		0.000

ID: CS5CR, Name: 23020109, Date: 01-Feb-2023, Time: 19:34:25, Conditions: AUTOSPEC01, User: pk

PFK3

	Compound	RT	Ion1Area	Ion2Area	RRF	Ratio	Pred R	S/N 1	SNFlag	EMPC	Int.1	Int.2	pg
38	FUNCTION3 PFK	36.31	3.432e4					1.8	NO		db		0.000
39	FUNCTION3 PFK	36.24	7.551e4					2.3	NO		dd		0.000
40	FUNCTION3 PFK	36.14	2.231e4					1.5	NO		dd		0.000
41	FUNCTION3 PFK	36.11	4.985e4					2.3	NO		dd		0.000
42	FUNCTION3 PFK	36.04	1.685e4					1.5	NO		dd		0.000
43	FUNCTION3 PFK	36.00	8.077e4					2.9	NO		dd		0.000
44	FUNCTION3 PFK	35.92	1.428e4					1.1	NO		dd		0.000
45	FUNCTION3 PFK	35.89	1.321e4					0.9	NO		bd		0.000
46	FUNCTION3 PFK	37.91	1.145e4					1.0	NO		bb		0.000
47	FUNCTION3 PFK	37.83	2.759e4					1.3	NO		bb		0.000
48	FUNCTION3 PFK	37.75	1.842e3					0.4	NO		bb		0.000
49	FUNCTION3 PFK	37.67	1.331e3					0.3	NO		bb		0.000
50	FUNCTION3 PFK	37.58	1.178e4					0.7	NO		bb		0.000
51	FUNCTION3 PFK	37.52	1.786e3					0.4	NO		bb		0.000
52	FUNCTION3 PFK	37.38	1.181e4					0.8	NO		bb		0.000
53	FUNCTION3 PFK	37.32	2.852e3					0.5	NO		db		0.000
54	FUNCTION3 PFK	37.29	1.067e4					0.9	NO		bd		0.000
55	FUNCTION3 PFK	37.12	1.332e4					1.1	NO		db		0.000

PFK4

	Compound	RT	Ion1Area	Ion2Area	RRF	Ratio	Pred R	S/N 1	SNFlag	EMPC	Int.1	Int.2	pg
1	FUNCTION4 PFK	38.07	3.839e5					9.7	YES		bb		

PFK5

	Compound	RT	Ion1Area	Ion2Area	RRF	Ratio	Pred R	S/N 1	SNFlag	EMPC	Int.1	Int.2	pg
1	FUNCTION5 PFK	44.91	3.198e3					0.9	NO		bb		
2	FUNCTION5 PFK	44.44	5.621e3					1.1	NO		bb		
3	FUNCTION5 PFK	43.72	1.296e3					0.7	NO		bb		
4	FUNCTION5 PFK	46.00	2.951e3					0.9	NO		bb		
5	FUNCTION5 PFK	45.63	1.092e3					0.6	NO		bb		

ID: CS5CR, Name: 23020109, Date: 01-Feb-2023, Time: 19:34:25, Conditions: AUTOSPEC01, User: pk

ETHERS1

	Compound	RT	Ion1Area	Ion2Area	RRF	Ratio	Pred R	S/N 1	SNFlag	EMPC	Int.1	Int.2	pg
1	FUNCTION1 HXCD...	27.32	1.271e2					3.2	YES		db		0.000
2	FUNCTION1 HXCD...	27.27	1.266e2					3.9	YES		bd		0.000
3	FUNCTION1 HXCD...	26.97	8.256e1					1.6	NO		bb		0.000
4	FUNCTION1 HXCD...	26.55	4.280e2					6.1	YES		bb		0.000
5	FUNCTION1 HXCD...	26.02	1.029e2					2.7	NO		db		0.000
6	FUNCTION1 HXCD...	25.90	2.502e2					4.4	YES		dd		0.000
7	FUNCTION1 HXCD...	25.72	2.101e2					3.6	YES		bd		0.000
8	FUNCTION1 HXCD...	23.72	8.529e1					3.0	YES		bb		0.000
9	FUNCTION1 HXCD...	22.99	9.923e1					2.5	NO		bb		0.000
10	FUNCTION1 HXCD...	22.00	7.560e1					1.7	NO		db		0.000
11	FUNCTION1 HXCD...	21.89	1.928e2					3.3	YES		bd		0.000
12	FUNCTION1 HXCD...	21.10	1.048e2					3.0	YES		bb		0.000

ETHERS2

	Compound	RT	Ion1Area	Ion2Area	RRF	Ratio	Pred R	S/N 1	SNFlag	EMPC	Int.1	Int.2	pg
1	FUNCTION1 HPCD...	26.67	7.036e1					1.9	NO		db		0.000
2	FUNCTION1 HPCD...	26.53	4.357e2					5.6	YES		bd		0.000
3	FUNCTION1 HPCD...	25.91	1.719e2					2.5	NO		bb		0.000
4	FUNCTION1 HPCD...	25.70	1.553e2					2.9	NO		bb		0.000
5	FUNCTION1 HPCD...	24.63	1.444e2					3.1	YES		bb		0.000
6	FUNCTION1 HPCD...	24.20	7.285e1					2.2	NO		bb		0.000
7	FUNCTION1 HPCD...	23.45	7.383e1					2.1	NO		bb		0.000
8	FUNCTION1 HPCD...	23.34	1.346e2					1.9	NO		bb		0.000
9	FUNCTION1 HPCD...	22.31	1.729e2					2.3	NO		bb		0.000
10	FUNCTION1 HPCD...	22.01	7.908e1					1.1	NO		bb		0.000
11	FUNCTION1 HPCD...	21.22	1.137e2					3.5	YES		bb		0.000

ETHERS3

	Compound	RT	Ion1Area	Ion2Area	RRF	Ratio	Pred R	S/N 1	SNFlag	EMPC	Int.1	Int.2	pg
1	FUNCTION2 HPCD...	31.40	9.562e2					13.4	YES		dd		0.000
2	FUNCTION2 HPCD...	31.27	1.162e4					218.9	YES		bd		0.000
3	FUNCTION2 HPCD...	30.07	9.742e2					11.5	YES		bb		0.000
4	FUNCTION2 HPCD...	28.81	1.484e2					3.1	YES		bb		0.000
5	FUNCTION2 HPCD...	32.66	5.798e2					8.9	YES		bb		0.000
6	FUNCTION2 HPCD...	31.65	1.260e3					18.3	YES		db		0.000

ID: CS5CR, Name: 23020109, Date: 01-Feb-2023, Time: 19:34:25, Conditions: AUTOSPEC01, User: pk

ETHERS4

	Compound	RT	Ion1Area	Ion2Area	RRF	Ratio	Pred R	S/N 1	SNFlag	EMPC	Int.1	Int.2	pg
1	FUNCTION3 OCDPE	37.03	6.482e2					9.9	YES		bb		0.000
2	FUNCTION3 OCDPE	36.61	1.390e3					18.8	YES		bb		0.000
3	FUNCTION3 OCDPE	36.23	1.589e3					24.2	YES		db		0.000
4	FUNCTION3 OCDPE	36.12	1.347e3					19.9	YES		dd		0.000
5	FUNCTION3 OCDPE	36.01	6.921e2					11.8	YES		bd		0.000
6	FUNCTION3 OCDPE	35.14	1.254e3					15.1	YES		db		0.000
7	FUNCTION3 OCDPE	35.01	7.695e2					12.4	YES		bd		0.000
8	FUNCTION3 OCDPE	33.86	1.826e2					4.0	YES		bb		0.000

ETHERS5

	Compound	RT	Ion1Area	Ion2Area	RRF	Ratio	Pred R	S/N 1	SNFlag	EMPC	Int.1	Int.2	pg
1	FUNCTION4 NCDPE	41.12	8.339e2					10.8	YES		bb		0.000
2	FUNCTION4 NCDPE	40.38	7.844e2					14.4	YES		bb		0.000
3	FUNCTION4 NCDPE	39.21	1.191e2					4.5	YES		bb		0.000
4	FUNCTION4 NCDPE	38.86	6.704e2					11.4	YES		bb		0.000
5	FUNCTION4 NCDPE	41.43	1.172e2					3.2	YES		bb		0.000

ETHERS6

	Compound	RT	Ion1Area	Ion2Area	RRF	Ratio	Pred R	S/N 1	SNFlag	EMPC	Int.1	Int.2	pg
1	FUNCTION5 DCDPE	45.38	2.060e3					22.7	YES		db		0.000
2	FUNCTION5 DCDPE	45.15	2.089e3					25.1	YES		bd		0.000
3	FUNCTION5 DCDPE	44.92	7.340e1					3.7	YES		bb		0.000

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Calibration: 03 Feb 2023 10:33:40

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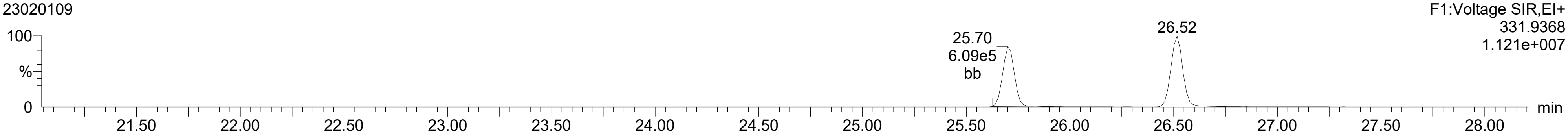

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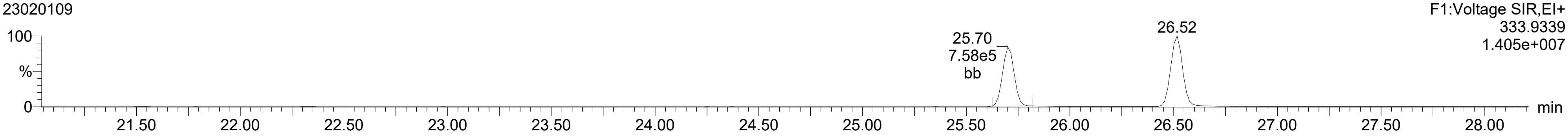
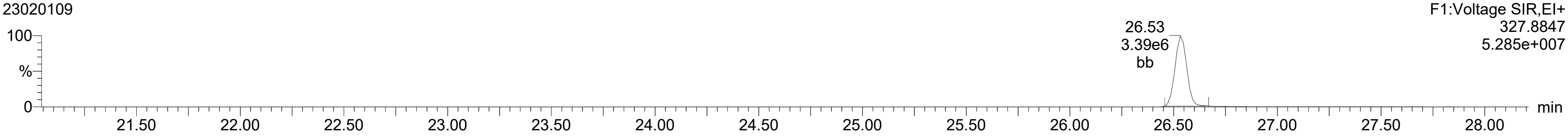


37CL-2378-TCDD



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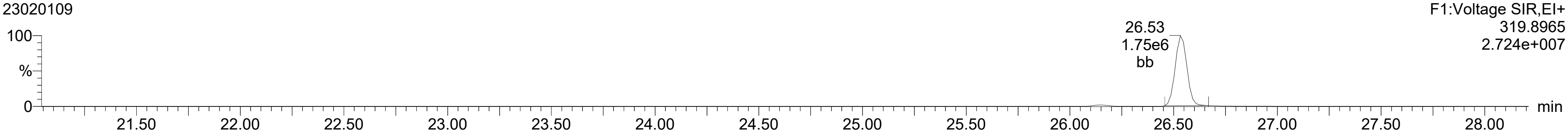

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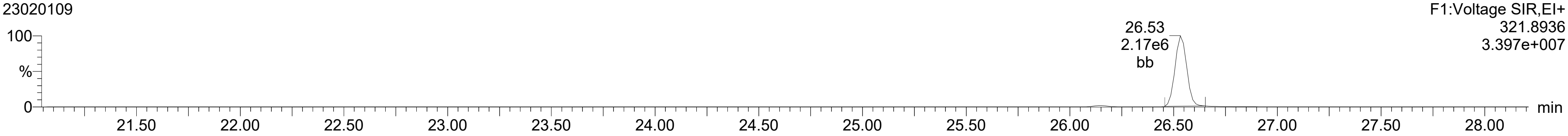

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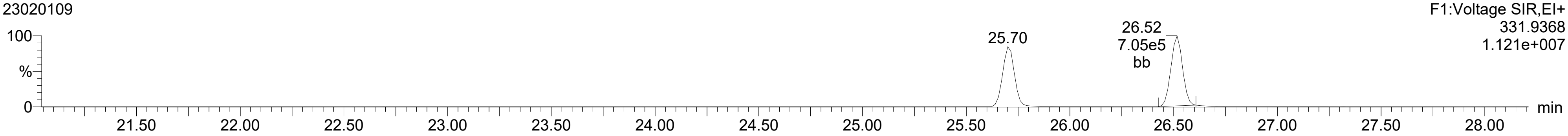

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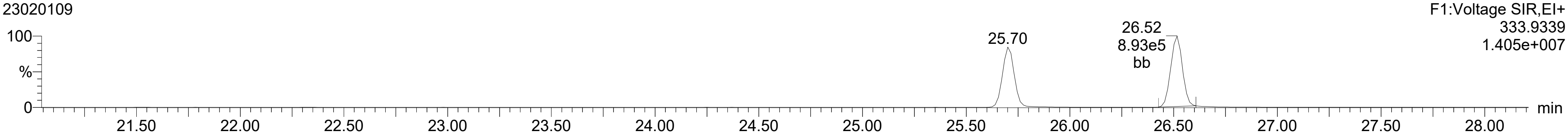

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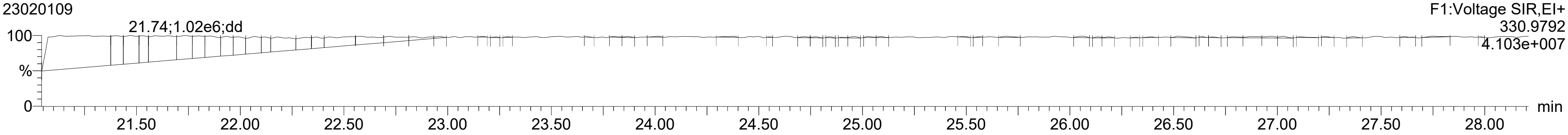

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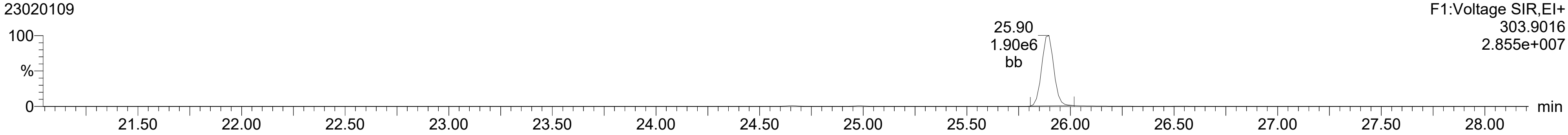

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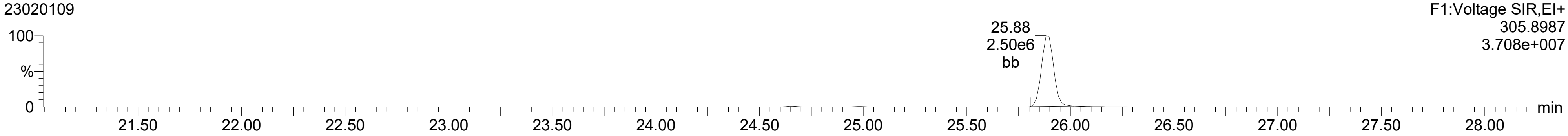

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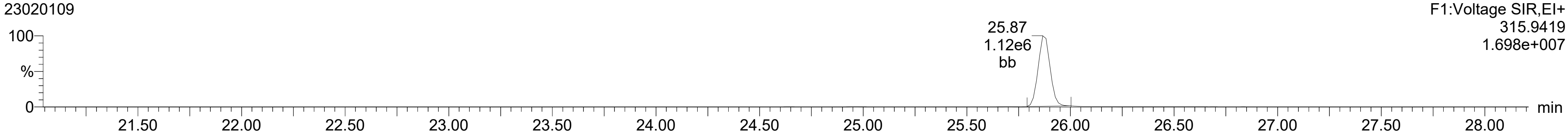

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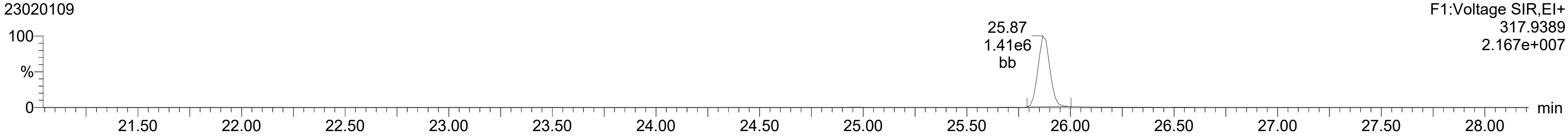

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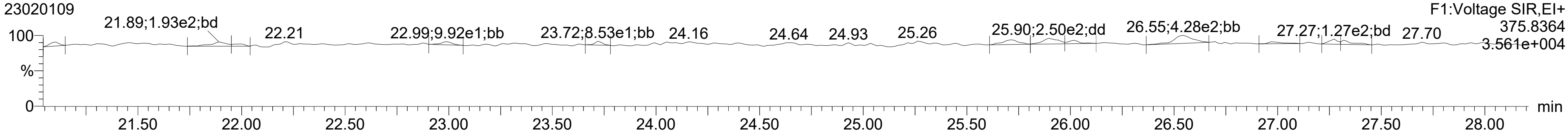

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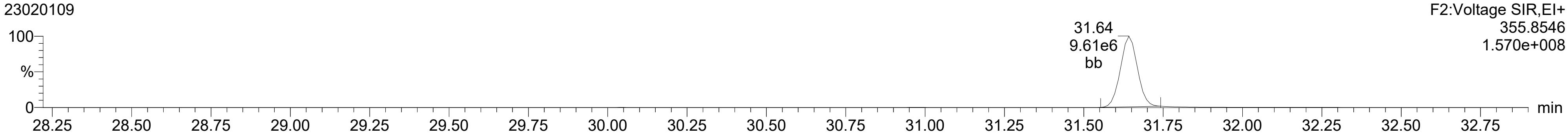

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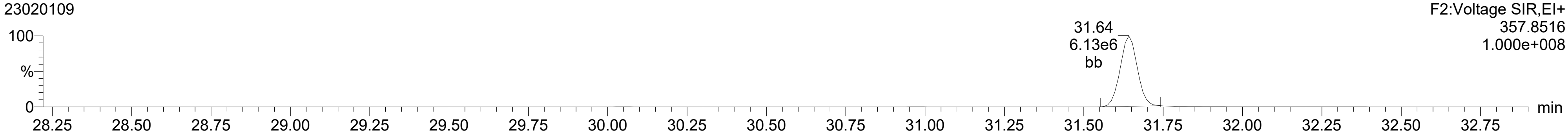

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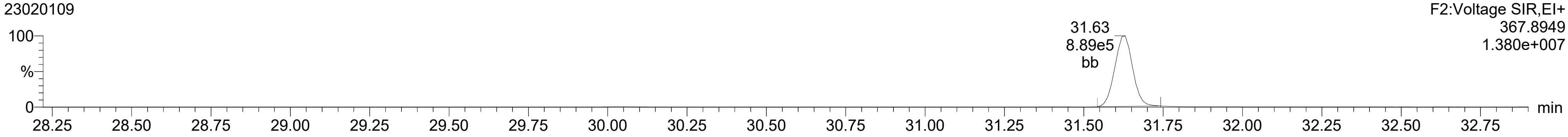

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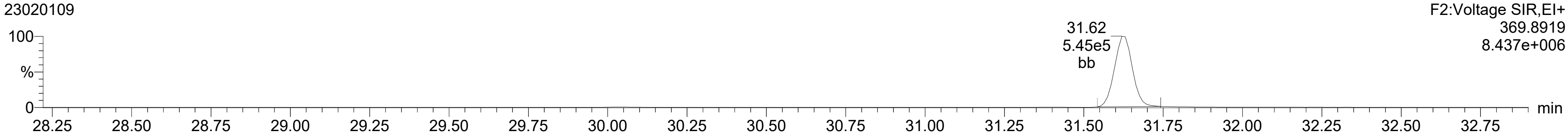
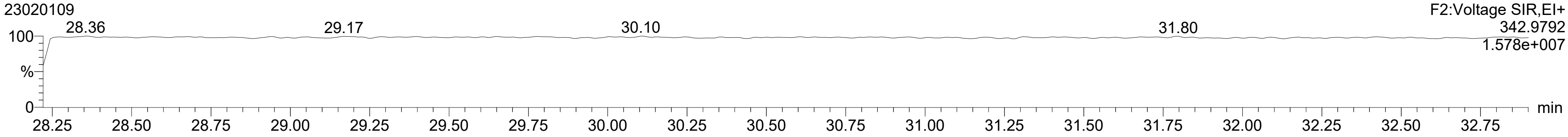


FUNCTION2 PFK



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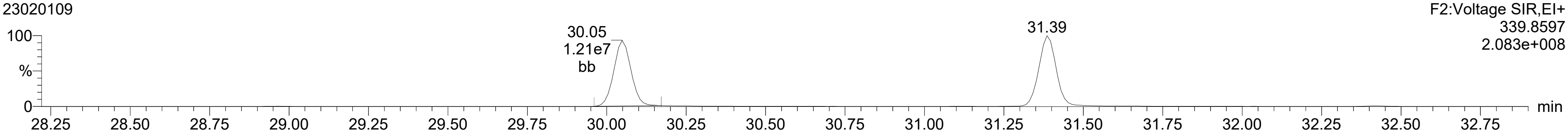

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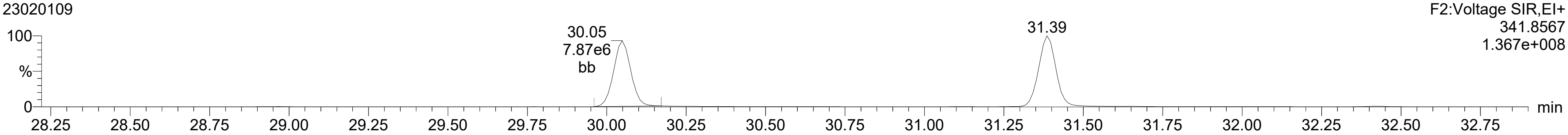

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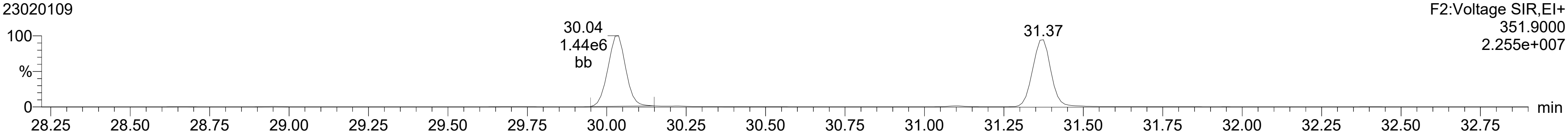

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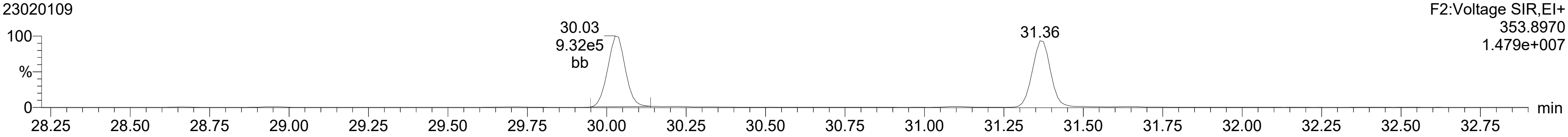

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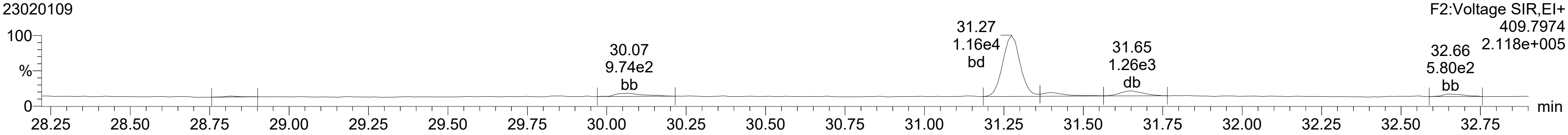

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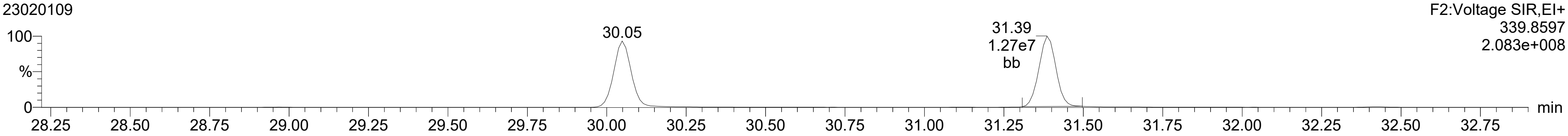

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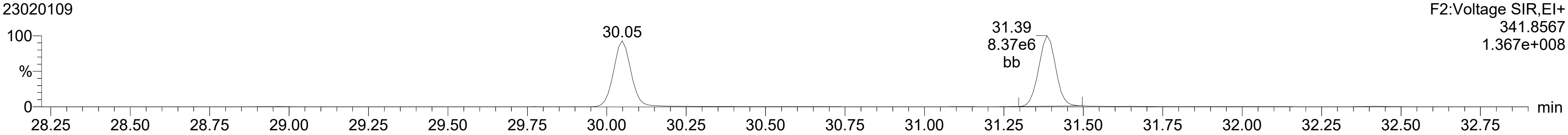

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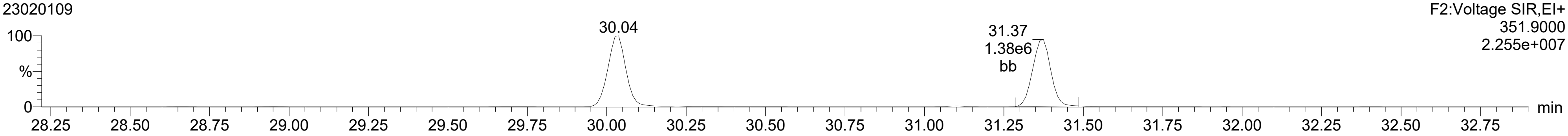

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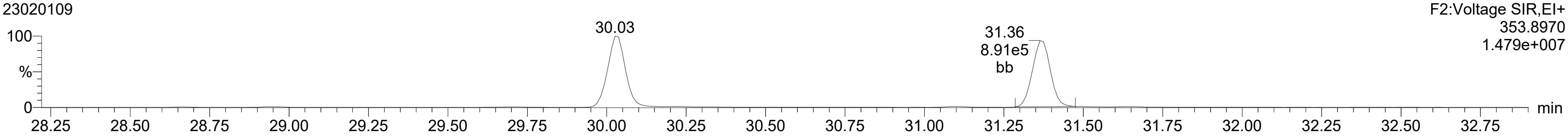

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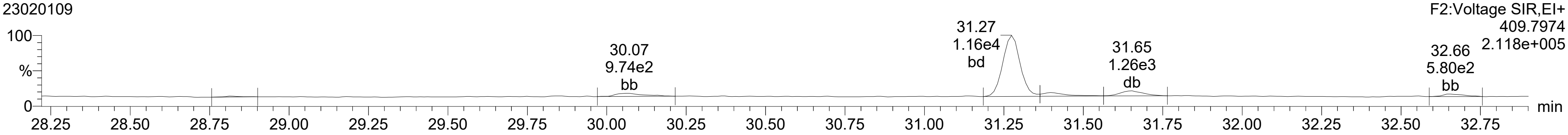

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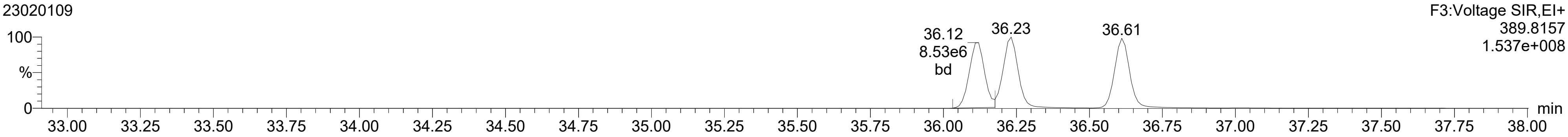

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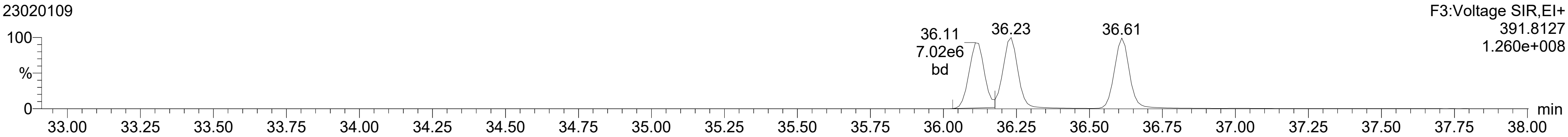

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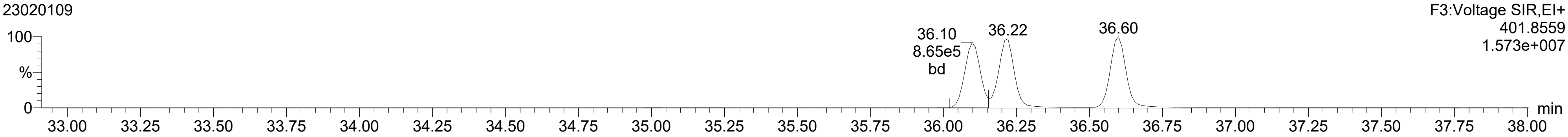

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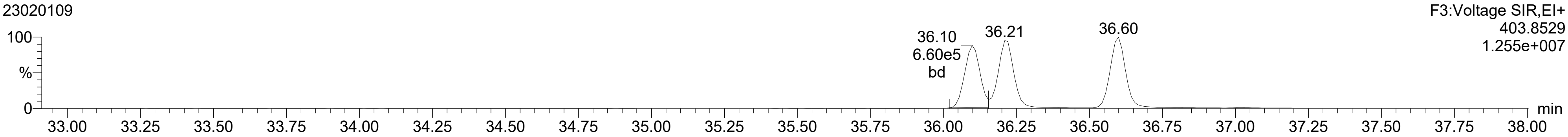

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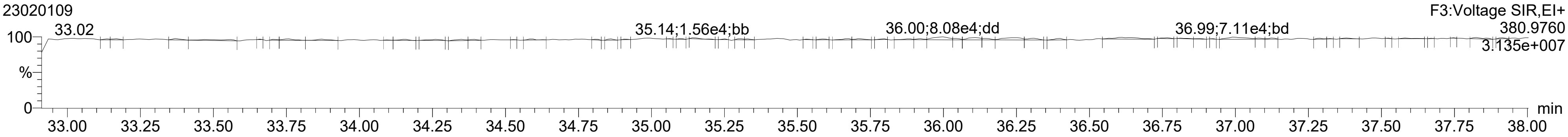

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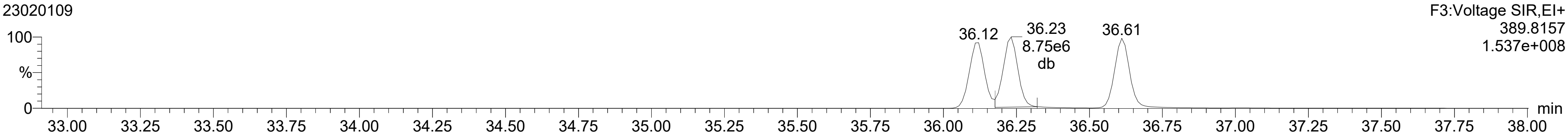

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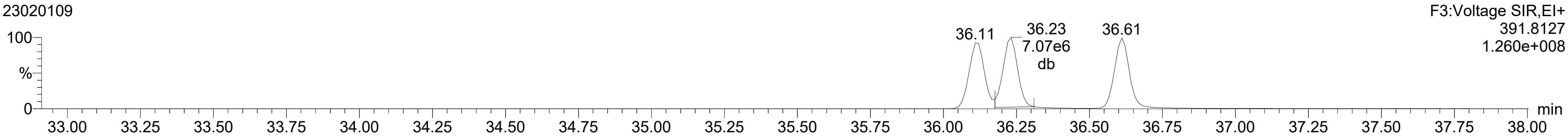

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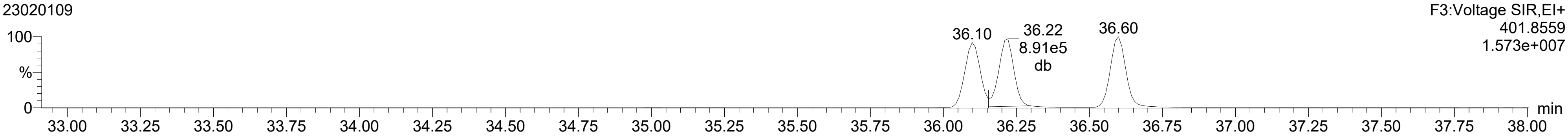

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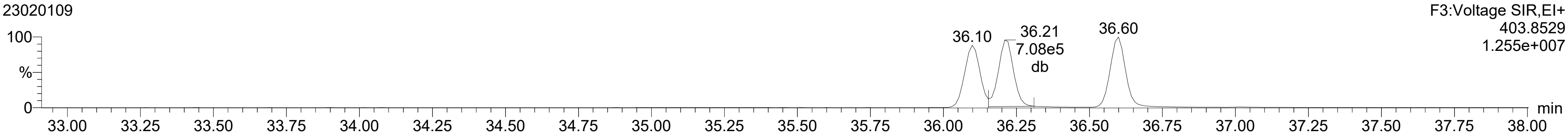

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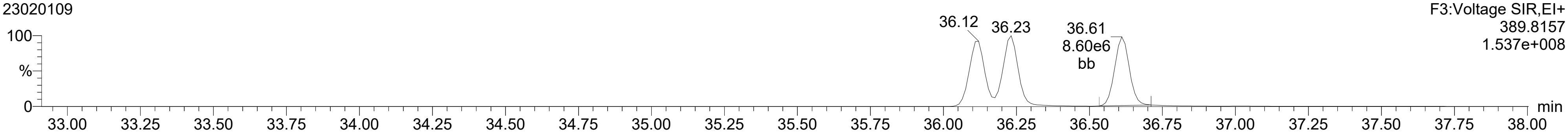

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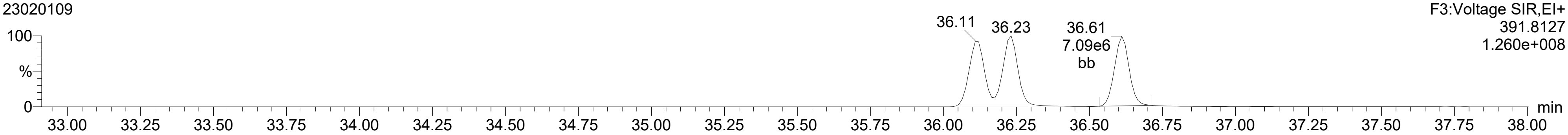

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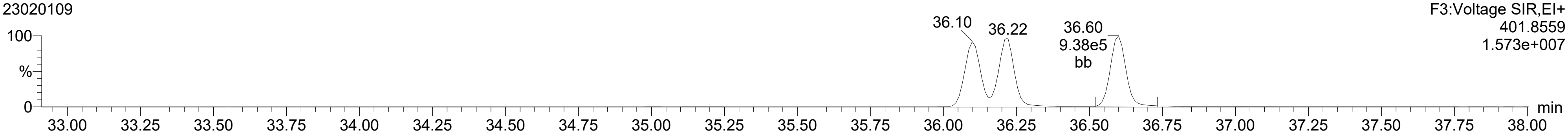

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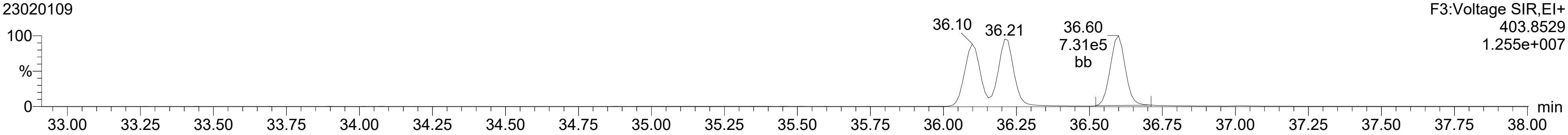

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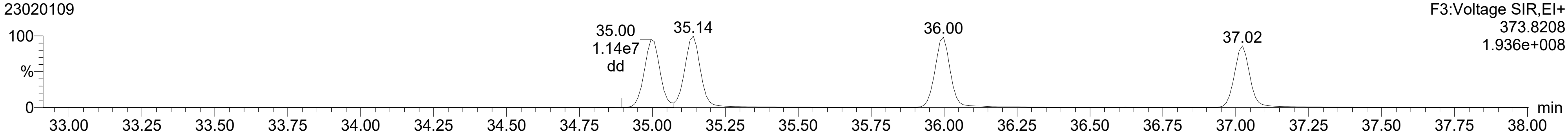

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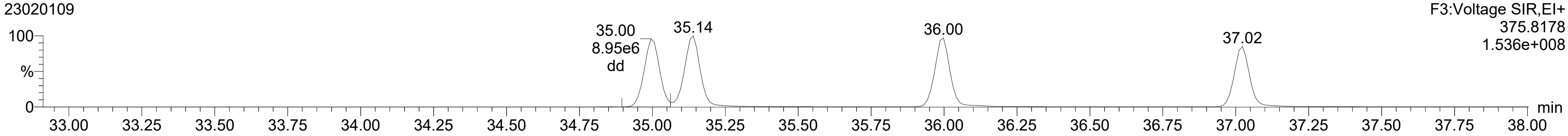

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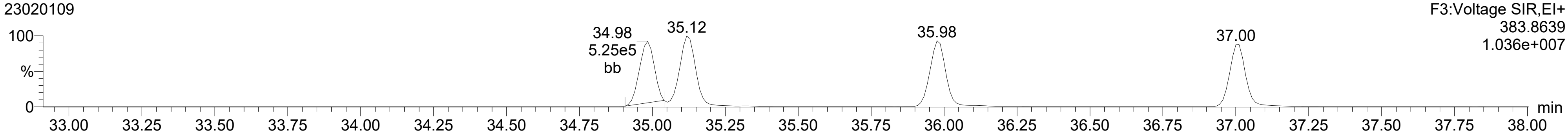

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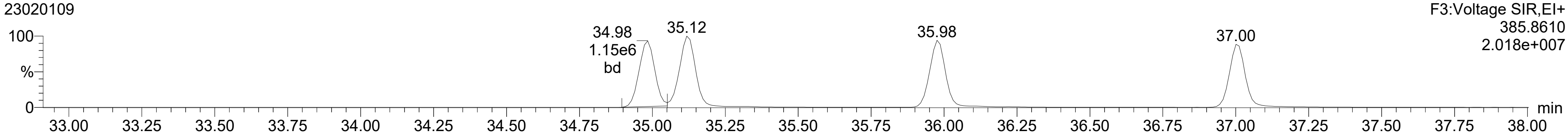

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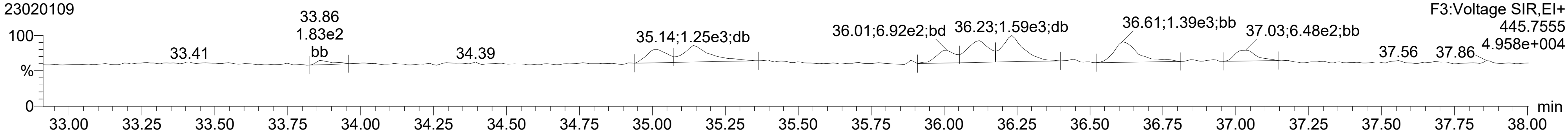

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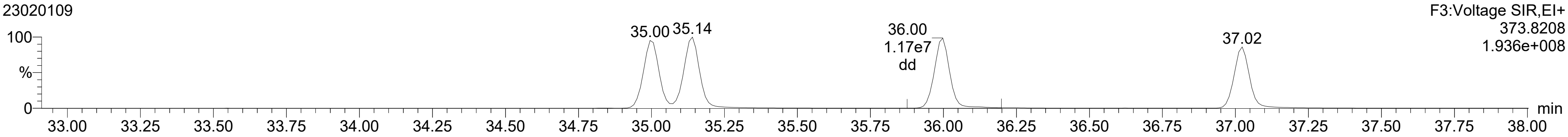

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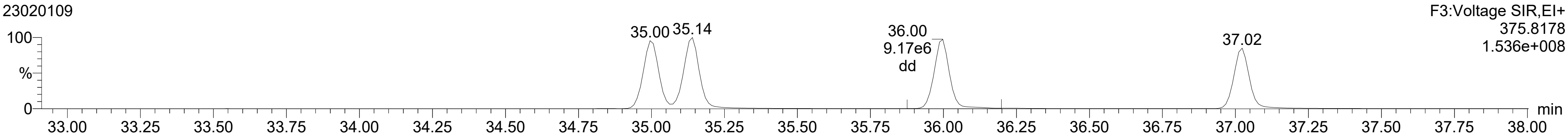

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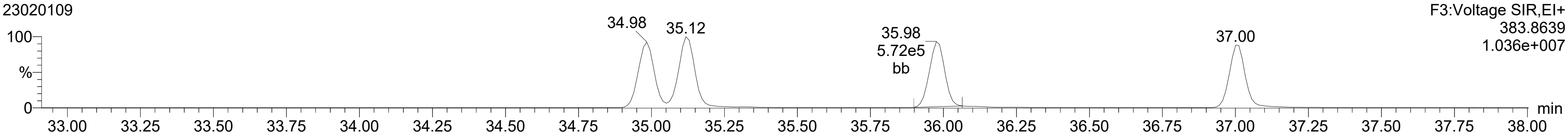

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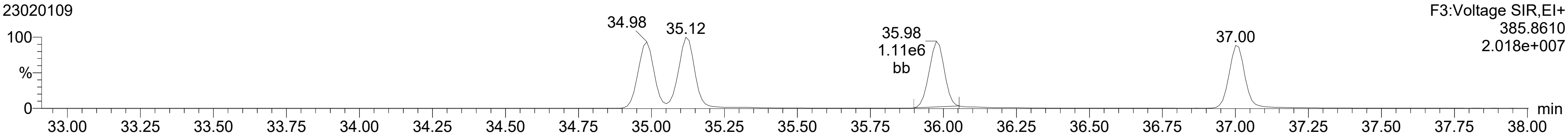

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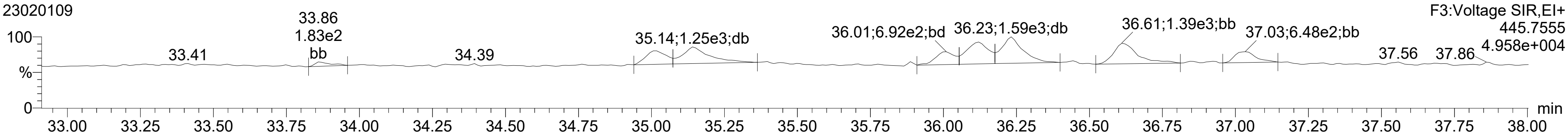

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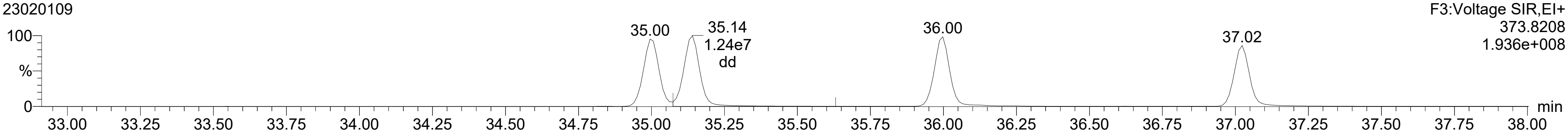

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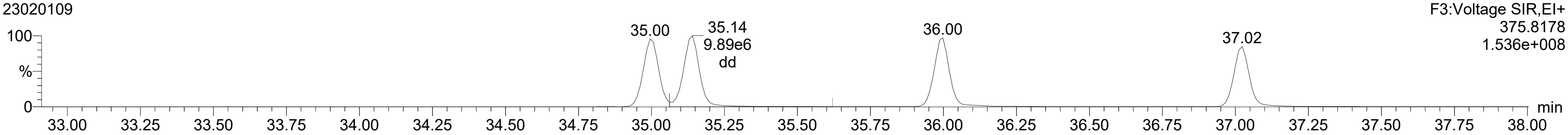

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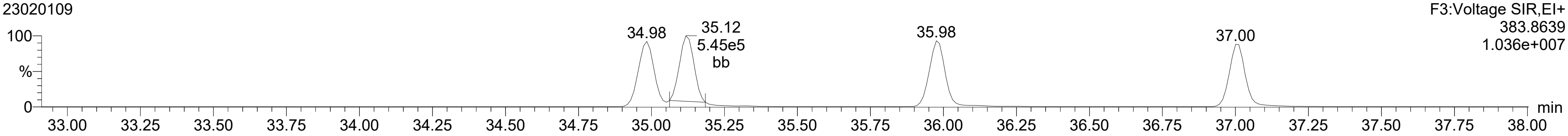

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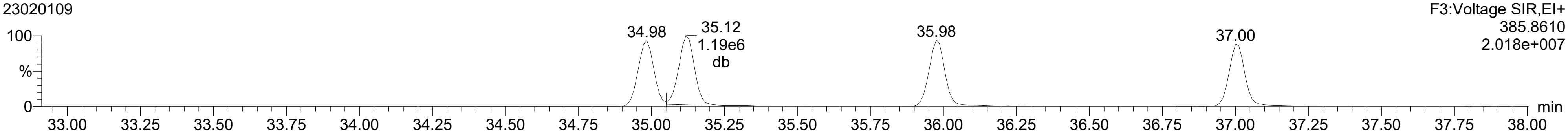

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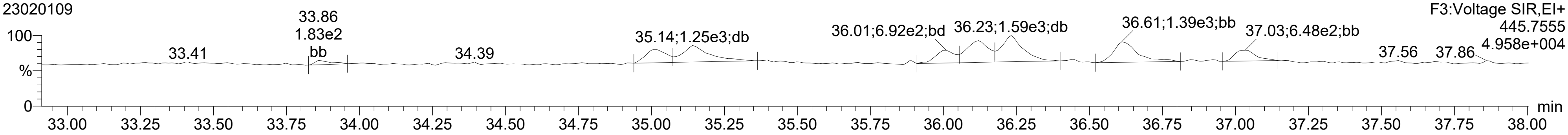

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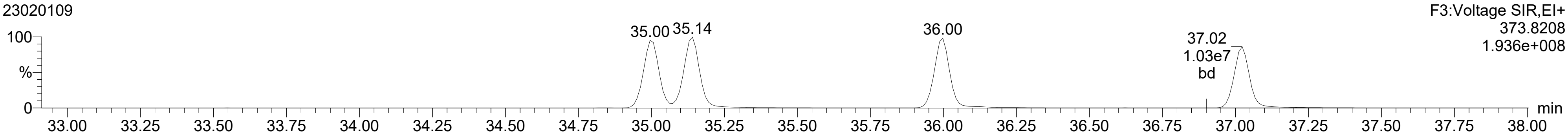

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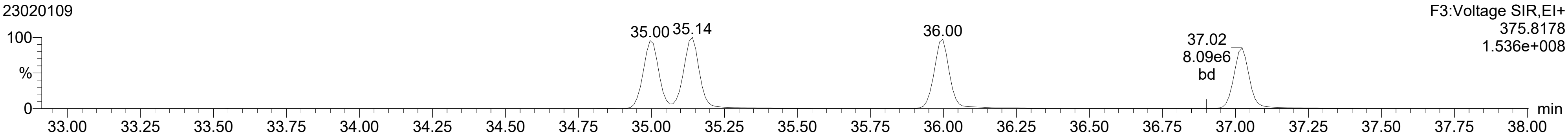

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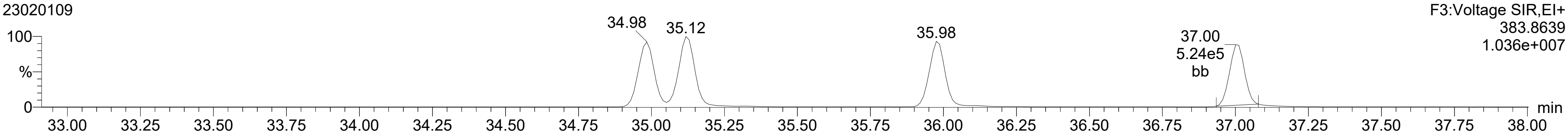

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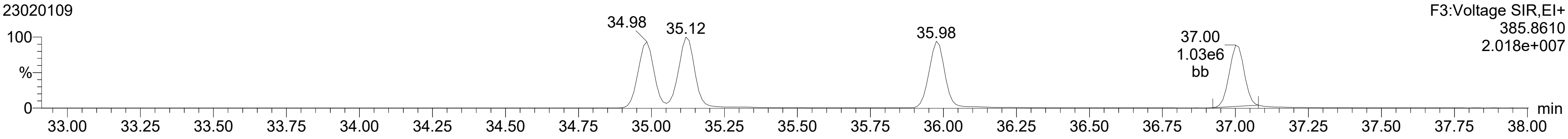

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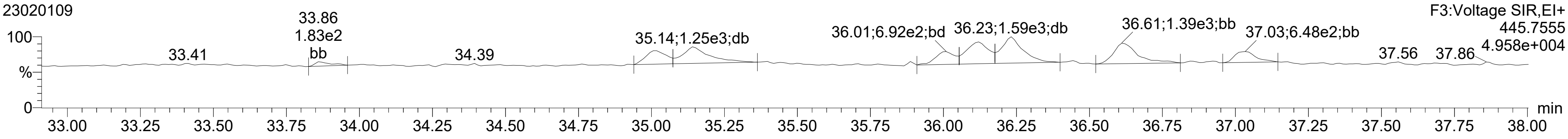

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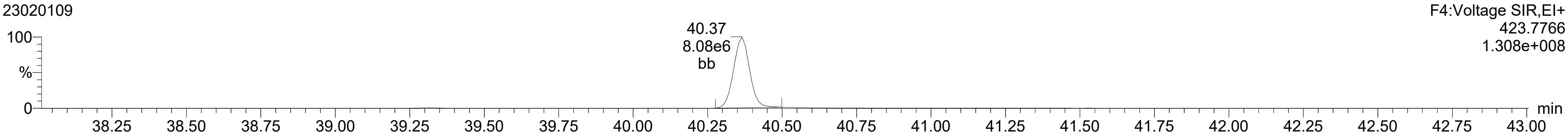

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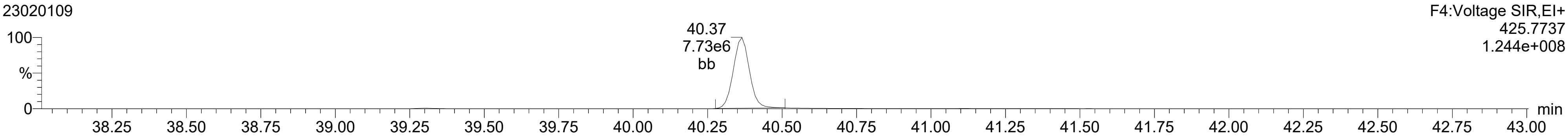

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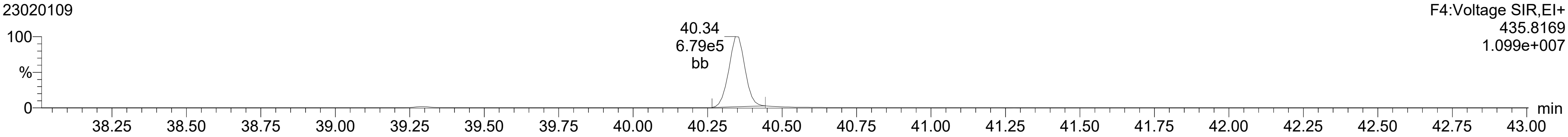

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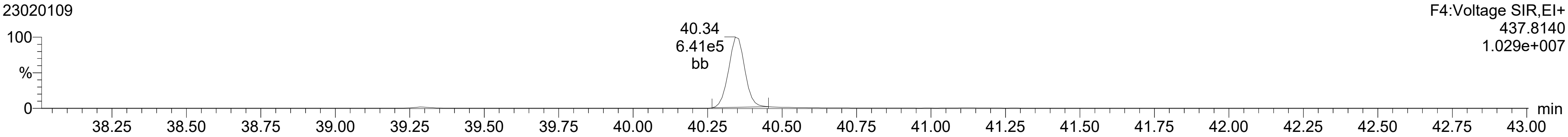

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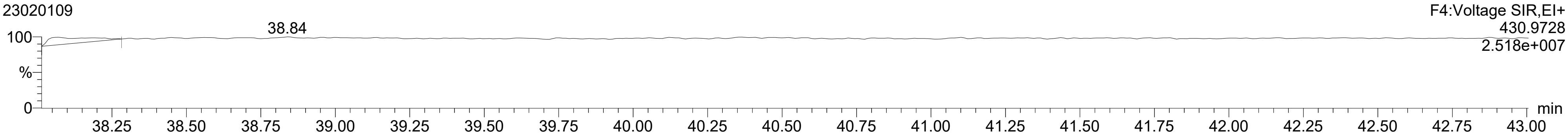

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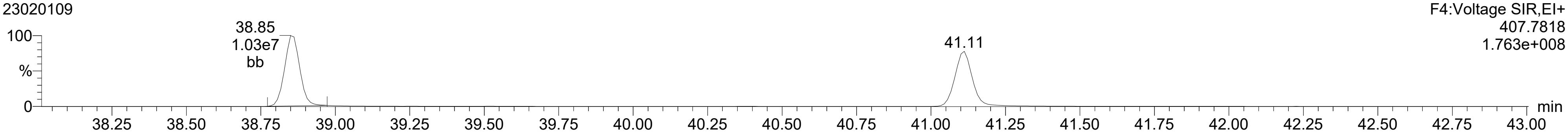

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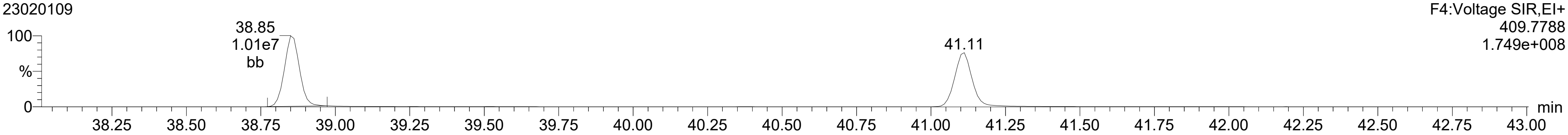

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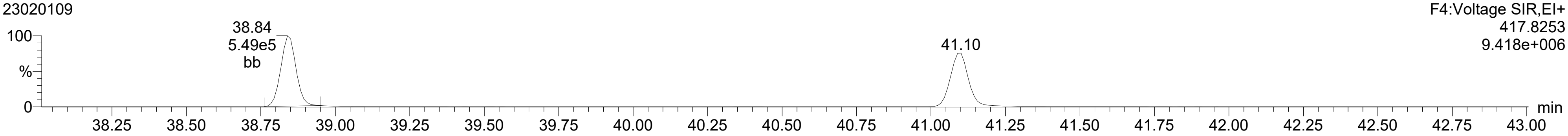

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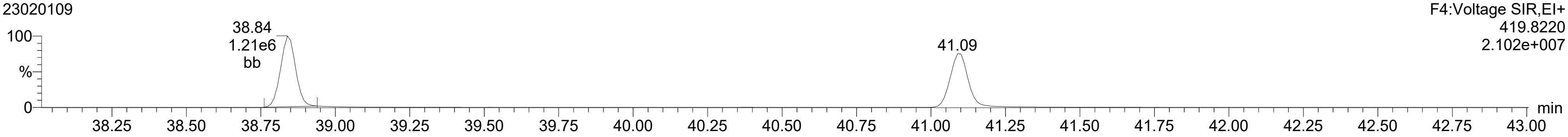

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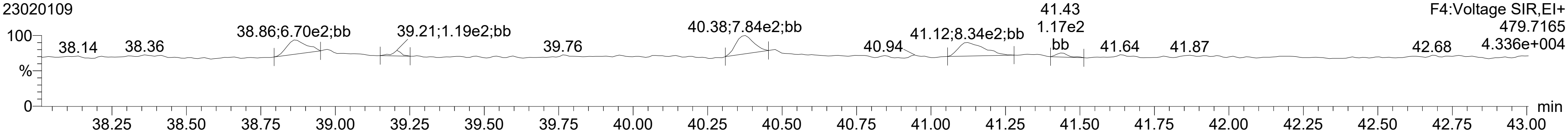

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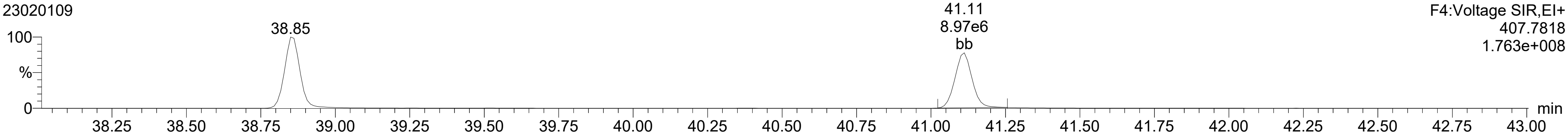

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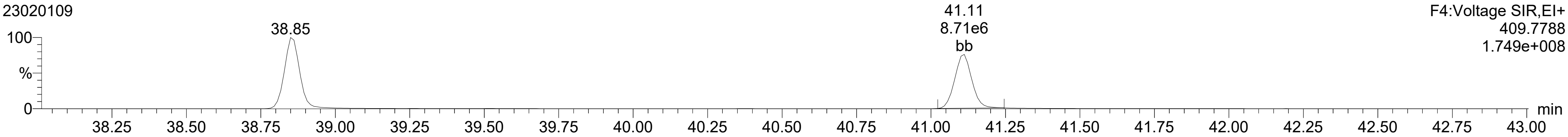

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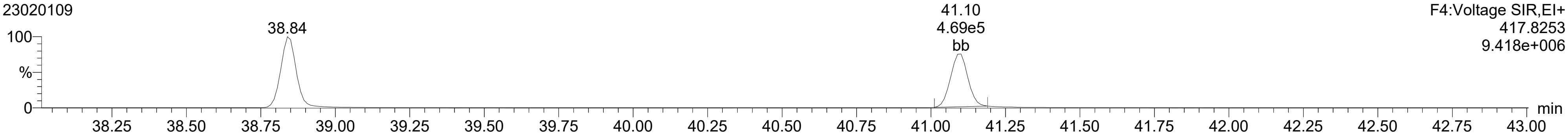

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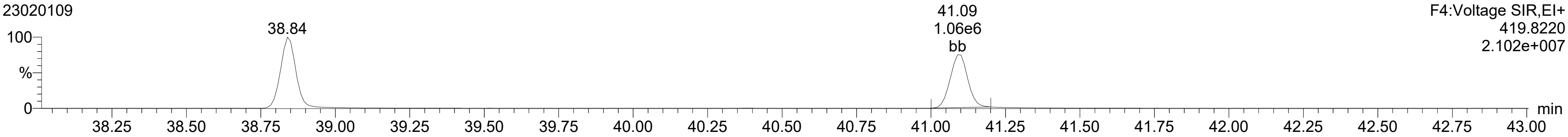

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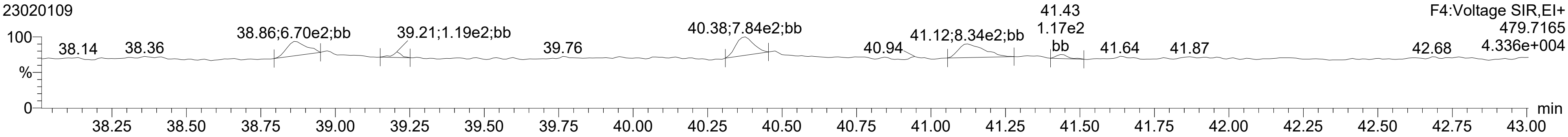

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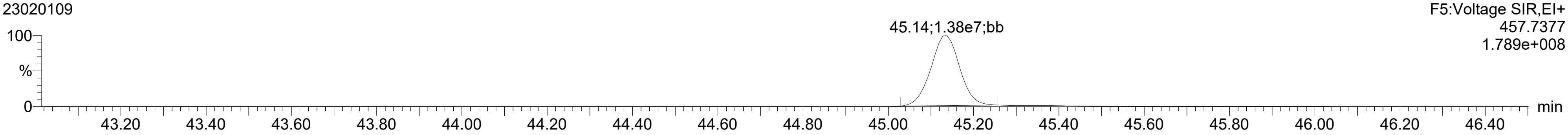

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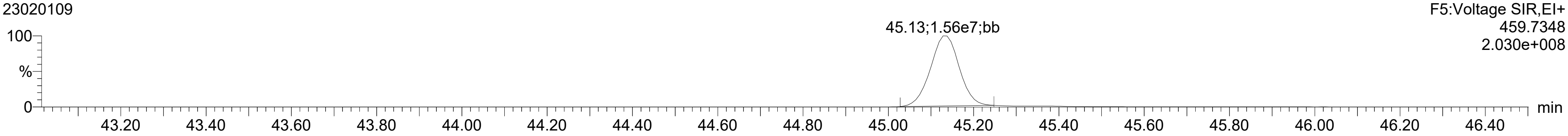

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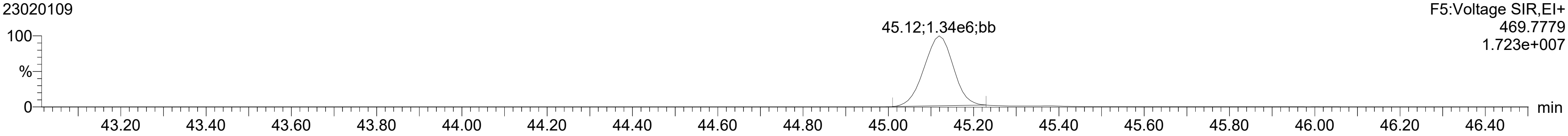

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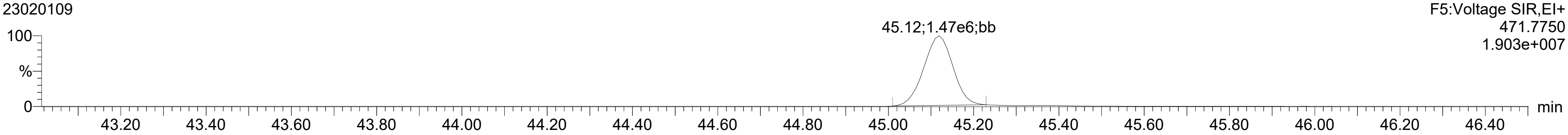

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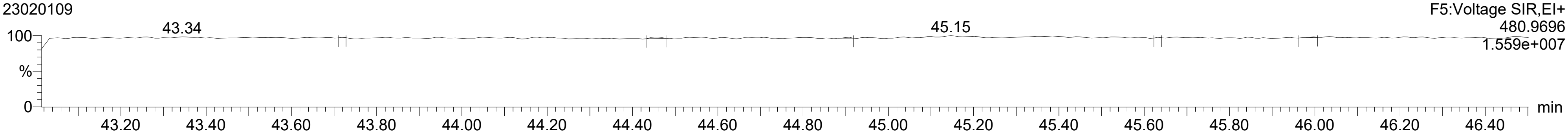

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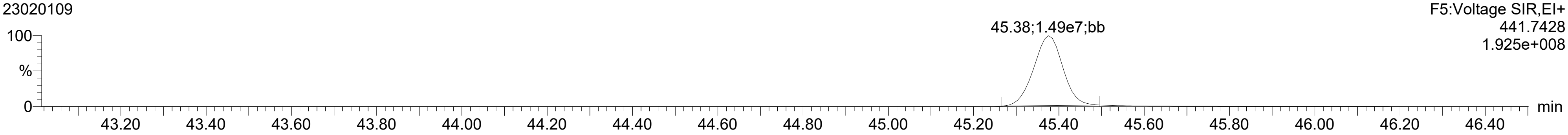

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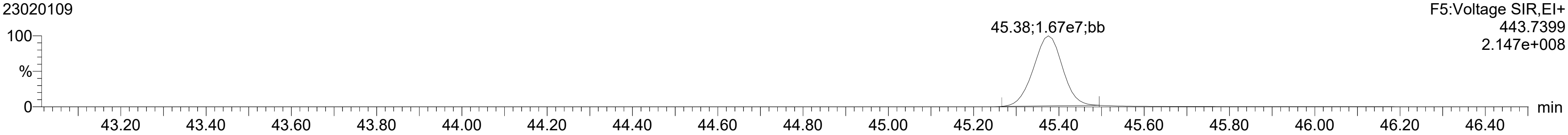

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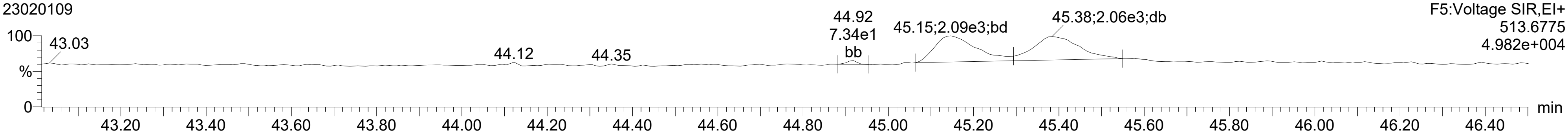

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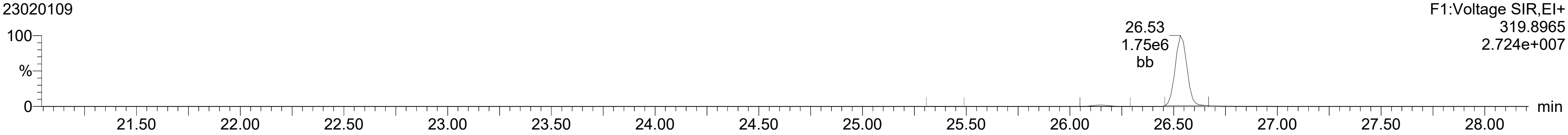
Total-tetradioxins



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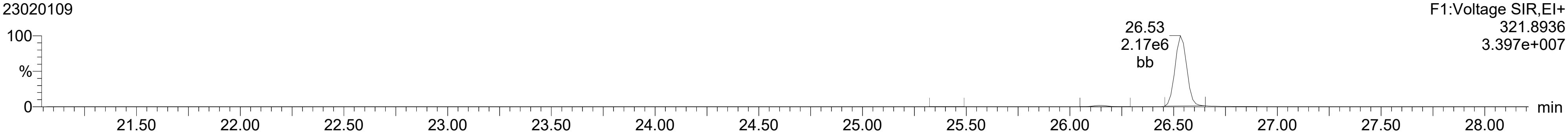

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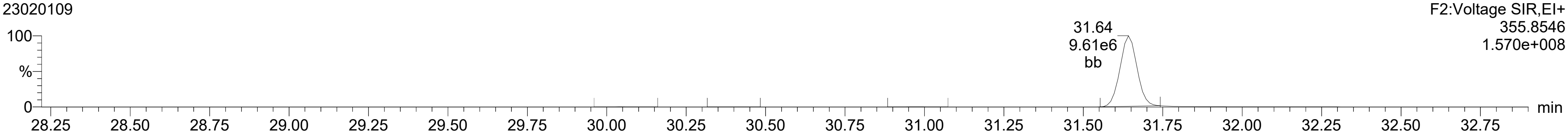

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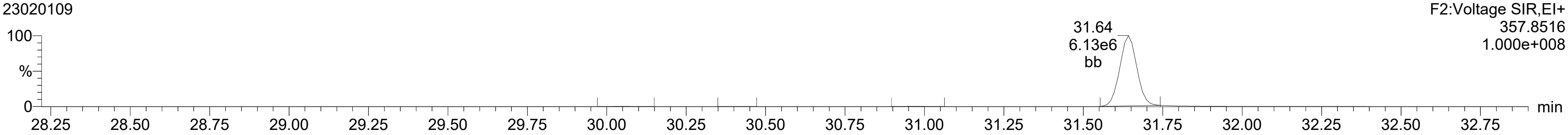

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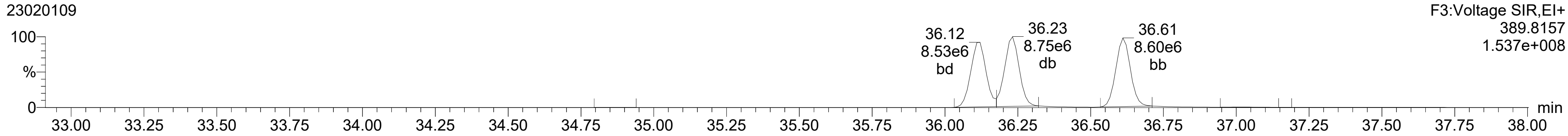

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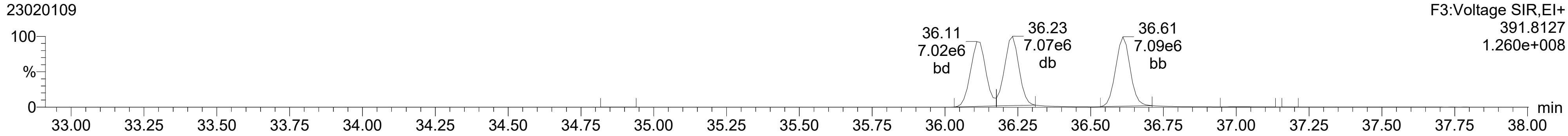

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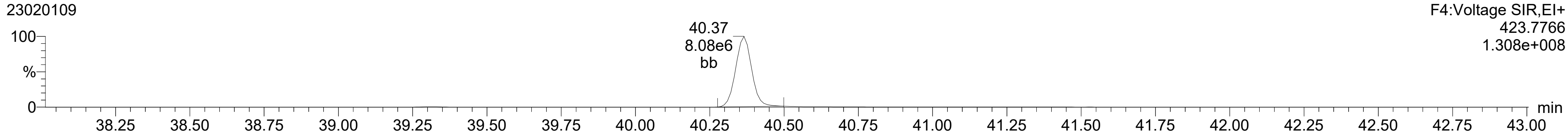

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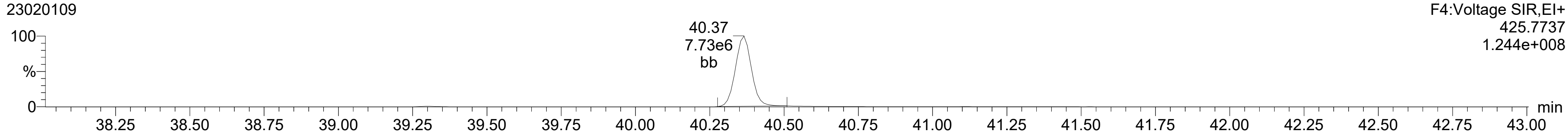

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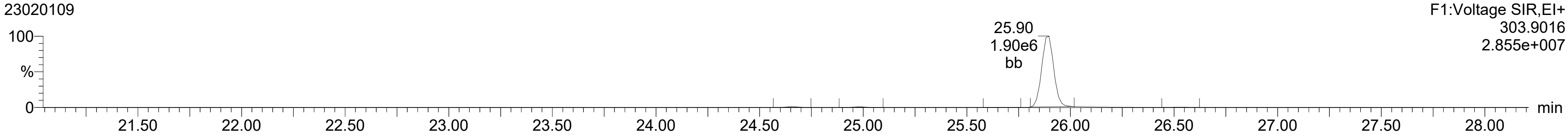
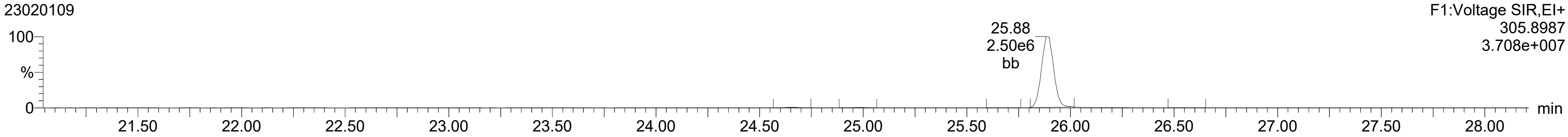
Total-tetrafurans



Total-tetrafurans



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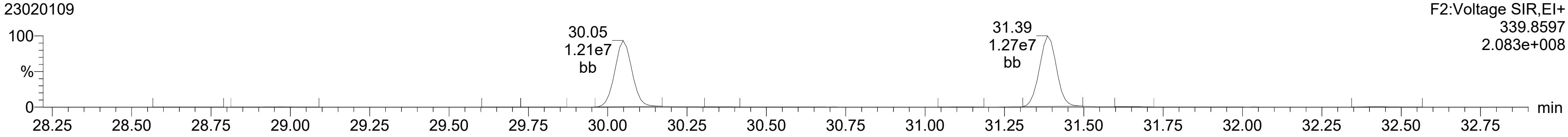

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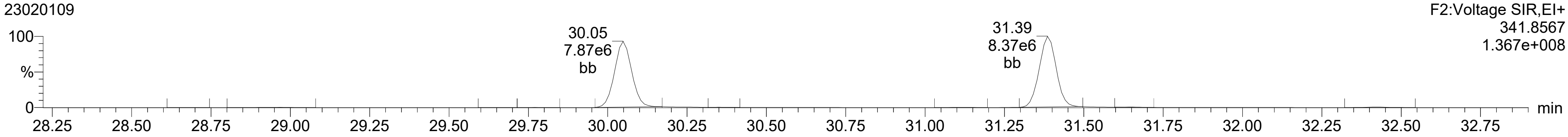

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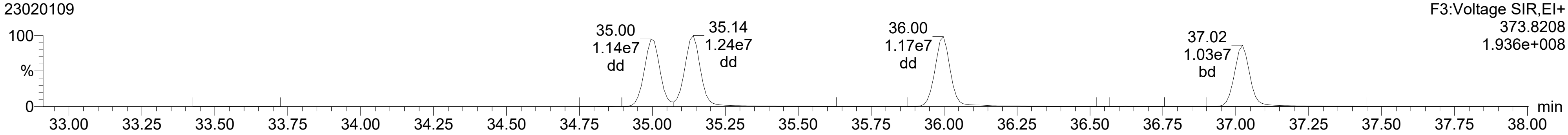
Total-hexafurans



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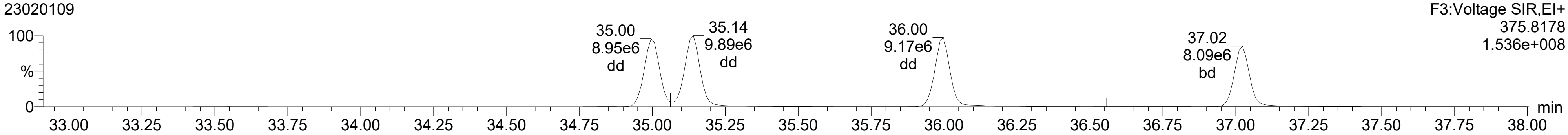

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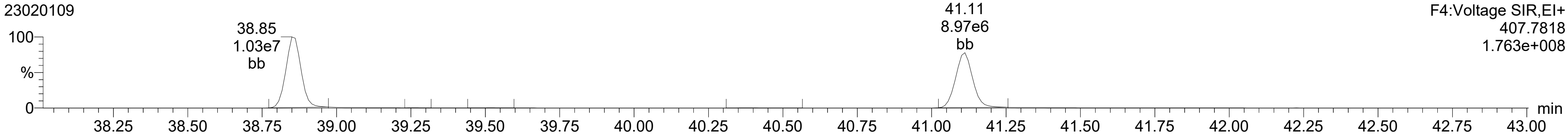

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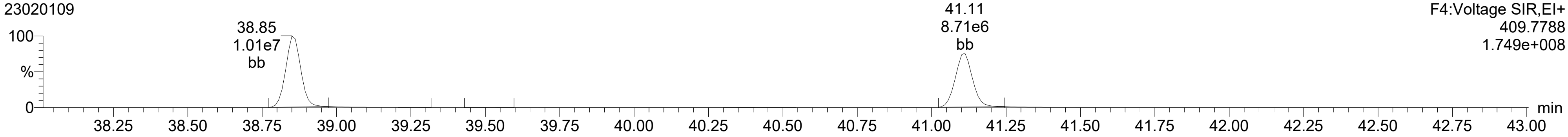

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Calibration: T:\Autospec\Curves\230201ICIH.cdb 03 Feb 2023 10:33:40

ID: ICVCR, Name: 23020110, Date: 01-Feb-2023, Time: 20:23:25, Conditions: AUTOSPEC01, User: pk

Compound	RT	RRT	Ion1Area	Ion2Area	RRF	Ratio	Pred R	Noise 1	Noise 2	Height 1	Height 2	S/N 1	S/N 2	EMPC	Int.1	Int.2	pg
2378-TCDF	25.882	1.001	7.583e4	1.018e5	0.876	0.744	0.770	1312	1705	1.17e6	1.55e6	895.7	911.1	NO	bb	bb	9.802
12378-PeCDF	30.037	1.000	4.347e5	2.900e5	0.845	1.499	1.550	3463	2713	6.78e6	4.53e6	1956.5	1669.5	NO	bb	bb	49.435
23478-PeCDF	31.374	1.000	4.582e5	2.969e5	0.911	1.543	1.550	3463	2713	6.90e6	4.53e6	1992.7	1668.4	NO	bb	bb	50.720
123478-HxCDF	34.984	1.000	3.962e5	3.152e5	1.182	1.257	1.240	2904	2208	6.26e6	4.98e6	2155.7	2257.5	NO	bd	bd	50.838
234678-HxCDF	35.987	1.001	4.056e5	3.185e5	1.229	1.273	1.240	2904	2208	6.27e6	4.93e6	2160.6	2231.5	NO	bb	bd	51.528
123678-HxCDF	35.129	1.001	4.284e5	3.437e5	1.248	1.247	1.240	2904	2208	6.50e6	5.14e6	2238.5	2329.7	NO	dd	db	51.066
123789-HxCDF	37.012	1.001	3.438e5	2.711e5	1.187	1.268	1.240	2904	2208	5.39e6	4.21e6	1855.6	1906.8	NO	bb	bb	49.890
1234678-HpCDF	38.850	1.001	3.527e5	3.436e5	1.204	1.027	1.050	3342	3138	5.81e6	5.69e6	1739.4	1813.0	NO	bb	bb	48.984
1234789-HpCDF	41.101	1.000	3.197e5	3.013e5	1.165	1.061	1.050	3342	3138	4.62e6	4.44e6	1383.4	1415.4	NO	bd	bb	51.470
OCDF	45.357	1.006	4.733e5	5.396e5	1.186	0.877	0.890	2772	1582	5.77e6	6.54e6	2082.4	4133.4	NO	bb	bb	92.994
2378-TCDD	26.532	1.001	6.792e4	8.768e4	1.236	0.775	0.770	1380	1753	1.03e6	1.34e6	749.1	761.7	NO	bb	bb	10.105
12378-PeCDD	31.631	1.000	3.290e5	2.096e5	1.087	1.569	1.550	3204	3195	5.14e6	3.30e6	1603.9	1031.8	NO	bb	bb	48.876
123478-HxCDD	36.109	1.001	2.890e5	2.319e5	0.987	1.246	1.240	2459	2022	4.84e6	3.91e6	1968.4	1935.9	NO	bd	bd	50.975
123678-HxCDD	36.221	1.000	2.990e5	2.445e5	1.021	1.223	1.240	2459	2022	4.88e6	4.06e6	1984.4	2008.5	NO	db	db	48.307
123789-HxCDD	36.599	1.011	2.845e5	2.378e5	0.985	1.196	1.240	2459	2022	4.82e6	3.99e6	1960.3	1972.8	NO	bb	bb	49.580
1234678-HpCDD	40.354	1.001	2.858e5	2.609e5	1.253	1.095	1.050	2240	2747	4.24e6	3.98e6	1890.7	1447.3	NO	bd	bb	48.846
OCDD	45.111	1.000	4.553e5	5.144e5	1.103	0.885	0.890	2050	2803	5.81e6	6.65e6	2832.1	2371.2	NO	bb	bb	95.778
13C-2378-TCDF	25.867	1.006	9.159e5	1.153e6	1.768	0.794	0.770	2721	1646	1.40e7	1.78e7	5149.2	10794.2	NO	bb	bb	100.832
13C-12378-PeCDF	30.026	1.168	1.059e6	6.764e5	1.527	1.566	1.550	3804	2727	1.61e7	1.02e7	4228.7	3742.1	NO	bb	bb	97.924
13C-23478-PeCDF	31.363	1.220	9.914e5	6.424e5	1.466	1.543	1.550	3804	2727	1.49e7	9.56e6	3917.8	3506.2	NO	bb	bb	96.003
13C-123478-HxCDF	34.973	0.956	4.014e5	7.827e5	1.054	0.513	0.510	2311	3449	6.56e6	1.28e7	2840.4	3698.0	NO	bd	bd	98.968
13C-123678-HxCDF	35.106	0.960	4.085e5	8.030e5	1.080	0.509	0.510	2311	3449	6.64e6	1.32e7	2872.8	3823.9	NO	db	db	98.793
13C-234678-HxCDF	35.964	0.983	3.869e5	7.566e5	1.014	0.511	0.510	2311	3449	6.49e6	1.28e7	2809.7	3704.0	NO	bb	bb	99.278
13C-123789-HxCDF	36.989	1.011	3.535e5	6.852e5	0.928	0.516	0.510	2311	3449	5.90e6	1.14e7	2552.6	3318.4	NO	bb	bb	98.576
13C-1234678-HpCDF	38.828	1.061	3.652e5	8.153e5	1.036	0.448	0.440	3274	4191	6.12e6	1.38e7	1868.5	3294.0	NO	bb	bb	100.340
13C-1234789-HpCDF	41.090	1.123	3.190e5	7.164e5	0.905	0.445	0.440	3274	4191	4.81e6	1.07e7	1468.7	2563.9	NO	bb	bb	100.753
13C-1234-TCDD	25.700	0.000	5.137e5	6.469e5	1.000	0.794	0.770	2221	1552	7.96e6	9.97e6	3583.6	6423.2	NO	bb	bb	100.000
13C-2378-TCDD	26.501	1.031	5.549e5	6.905e5	1.103	0.804	0.770	2221	1552	8.40e6	1.04e7	3781.7	6727.2	NO	bb	bb	97.290
13C-12378-PeCDD	31.619	1.230	6.261e5	3.880e5	0.914	1.614	1.550	1580	2177	9.40e6	5.80e6	5947.9	2663.3	NO	bb	bb	95.581
13C-123478-HxCDD	36.087	0.986	5.808e5	4.547e5	0.933	1.277	1.240	2129	1763	9.84e6	7.81e6	4624.5	4431.4	NO	bd	bd	97.737
13C-123678-HxCDD	36.209	0.990	6.262e5	4.760e5	0.965	1.315	1.240	2129	1763	9.80e6	7.57e6	4603.5	4292.7	NO	db	db	100.625
13C-1234678-HpCDD	40.332	1.102	4.634e5	4.302e5	0.782	1.077	1.050	2527	2271	7.13e6	6.69e6	2821.9	2945.0	NO	bb	bb	100.628
13C-OCDD	45.101	1.233	8.768e5	9.596e5	0.788	0.914	0.890	3549	1603	1.12e7	1.23e7	3153.1	7665.3	NO	bb	bb	205.165
13C-123789-HxCDD	36.588	0.000	6.499e5	4.857e5	1.000	1.338	1.240	2129	1763	1.03e7	7.92e6	4860.1	4494.5	NO	bb	bb	100.000
37CL-2378-TCDD	26.532	1.032	1.279e5		1.233			1385		1.91e6		1382.5			bb		8.937

ID: ICVCR, Name: 23020110, Date: 01-Feb-2023, Time: 20:23:25, Conditions: AUTOSPEC01, User: pk

Compound	RT	RRT	Ion1Area	Ion2Area	RRF	Ratio	Pred R	Noise 1	Noise 2	Height 1	Height 2	S/N 1	S/N 2	EMPC	Int.1	Int.2	pg
1368-TCDF	22.389	0.866	9.960e4	1.319e5	1.064	0.755	0.770	1312	1705	1.56e6	2.09e6	1186.8	1226.5	NO	bb	bb	10.509
1289-TCDF	27.378	1.058	7.533e4	1.022e5	0.858	0.737	0.770	1312	1705	1.14e6	1.52e6	867.5	889.5	NO	db	db	10.006
13468-PECDF	27.242	0.907	5.475e5	3.540e5	1.013	1.547	1.550	880	1149	8.31e6	5.37e6	9441.4	4673.6	NO	bb	bb	51.279
12389-PECDF					0.844		1.550	3463	2713								
123468-HXCDF	33.335	0.953	4.175e5	3.320e5	1.197	1.258	1.240	2904	2208	6.11e6	4.84e6	2104.7	2190.3	NO	bb	bb	52.862
1368-TCDD	23.659	0.893	6.883e4	8.714e4	1.084	0.790	0.770	1380	1753	1.12e6	1.44e6	811.7	819.2	NO	bb	bb	11.549
1289-TCDD	27.122	1.023	6.029e4	7.860e4	0.975	0.767	0.770	1380	1753	8.98e5	1.15e6	650.5	656.0	NO	bb	bd	11.436
12479-PECDD	28.912	0.914	6.082e5	3.865e5	1.837	1.574	1.550	3204	3195	5.92e6	3.73e6	1847.3	1168.6	NO	bb	bb	53.387
12389-PECDD	32.032	1.013	4.002e5	2.572e5	1.252	1.556	1.550	3204	3195	6.11e6	3.89e6	1906.1	1217.0	NO	bb	bb	51.760
124679-HXCDD	34.104	0.945	3.073e5	2.529e5	1.033	1.215	1.240	2459	2022	4.88e6	4.09e6	1984.3	2022.2	NO	bb	bb	52.384
1234679-HPCDD	39.296	0.974	2.978e5	2.984e5	1.286	0.998	1.050	2240	2747	4.86e6	4.77e6	2169.4	1735.2	NO	bb	bd	51.878
Total-tetrafurans			2.515e5		0.933			1312		3.88e6							30.410
Total-penta1			5.475e5					880		8.31e6							51.279
Total-pentafurans			1.407e6		0.866			3463		2.14e7							158.406
Total-hexafurans			1.992e6		1.208			2904		3.05e7							256.184
Total-heptafurans			6.724e5		1.185			3342		1.04e7							100.453
Total-Furans			5.343e6		1.067			1312		8.03e7							689.726
Total-tetradioxins			3.350e5		1.099			1380		4.69e6							55.818
Total-pentadioxins			1.337e6		1.392			3204		1.72e7							154.023
Total-hexadioxins			1.180e6		1.007			2459		1.94e7							201.246
Total-heptadioxins			5.836e5		1.269			2240		9.09e6							100.724
Total-Dioxins			3.891e6		1.165			1380		5.62e7							607.589
Total-TEQ			9.234e6					1380		1.36e8							1297.316
FUNCTION1 PFK			2.960e5					590383		7.93e6							
FUNCTION2 PFK			3.847e5					195923		1.00e7							0.000
FUNCTION3 PFK			3.926e5					364545		1.22e7							0.000
FUNCTION4 PFK			4.778e5					303163		3.90e6							
FUNCTION5 PFK			9.338e4					197261		3.25e6							
FUNCTION1 HXCD...			9.172e2					783		1.34e4							0.000
FUNCTION1 HPCD...			1.484e3					913		2.30e4							0.000
FUNCTION2 HPCD...			4.855e2					894		8.19e3							0.000
FUNCTION3 OCDPE			1.383e2					795		2.59e3							0.000
FUNCTION4 NCDPE			2.530e2					911		5.27e3							0.000
FUNCTION5 DCDPE			7.207e1					795		1.85e3							0.000

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Calibration: T:\Autospec\Curves\230201ICIH.cdb 03 Feb 2023 10:33:40

ID: ICVCR, Name: 23020110, Date: 01-Feb-2023, Time: 20:23:25, Conditions: AUTOSPEC01, User: pk

TF

	Compound	RT	Ion1Area	Ion2Area	RRF	Ratio	Pred R	S/N 1	SNFlag	EMPC	Int.1	Int.2	pg
1	1289-TCDF	27.38	7.533e4	1.022e5	0.858	0.74	0.77	867.5	YES	NO	db	db	10.006
2	2378-TCDF	25.88	7.583e4	1.018e5	0.876	0.74	0.77	895.7	YES	NO	bb	bb	9.802
3	Total-tetrafurans	24.79	7.370e2	1.079e3	0.933	0.68	0.77	8.4	YES	NO	db	dd	0.094
4	1368-TCDF	22.39	9.960e4	1.319e5	1.064	0.76	0.77	1186.8	YES	NO	bb	bb	10.509

PP

	Compound	RT	Ion1Area	Ion2Area	RRF	Ratio	Pred R	S/N 1	SNFlag	EMPC	Int.1	Int.2	pg
1	13468-PECDF	27.24	5.475e5	3.540e5	1.013	1.55	1.55	9441.4	YES	NO	bb	bb	51.279

PF

	Compound	RT	Ion1Area	Ion2Area	RRF	Ratio	Pred R	S/N 1	SNFlag	EMPC	Int.1	Int.2	pg
1	Total-pentafurans	32.41	4.363e5	2.872e5	0.866	1.52	1.55	1891.7	YES	NO	bb	bb	49.558
2	23478-PeCDF	31.37	4.582e5	2.969e5	0.911	1.54	1.55	1992.7	YES	NO	bb	bb	50.720
3	12378-PeCDF	30.04	4.347e5	2.900e5	0.845	1.50	1.55	1956.5	YES	NO	bb	bb	49.435
4	Total-pentafurans	28.89	7.749e4	4.941e4	0.866	1.57	1.55	335.4	YES	NO	bb	bb	8.693

HF

	Compound	RT	Ion1Area	Ion2Area	RRF	Ratio	Pred R	S/N 1	SNFlag	EMPC	Int.1	Int.2	pg
1	123789-HxCDF	37.01	3.438e5	2.711e5	1.187	1.27	1.24	1855.6	YES	NO	bb	bb	49.890
2	234678-HxCDF	35.99	4.056e5	3.185e5	1.229	1.27	1.24	2160.6	YES	NO	bb	bd	51.528
3	123678-HxCDF	35.13	4.284e5	3.437e5	1.248	1.25	1.24	2238.5	YES	NO	dd	db	51.066
4	123478-HxCDF	34.98	3.962e5	3.152e5	1.182	1.26	1.24	2155.7	YES	NO	bd	bd	50.838
5	123468-HXCDF	33.34	4.175e5	3.320e5	1.197	1.26	1.24	2104.7	YES	NO	bb	bb	52.862

HPF

	Compound	RT	Ion1Area	Ion2Area	RRF	Ratio	Pred R	S/N 1	SNFlag	EMPC	Int.1	Int.2	pg
1	1234678-HpCDF	38.85	3.527e5	3.436e5	1.204	1.03	1.05	1739.4	YES	NO	bb	bb	48.984
2	1234789-HpCDF	41.10	3.197e5	3.013e5	1.165	1.06	1.05	1383.4	YES	NO	bd	bb	51.470

ID: ICVCR, Name: 23020110, Date: 01-Feb-2023, Time: 20:23:25, Conditions: AUTOSPEC01, User: pk

Furans,TF,PP,PF,HF,HPF,OF

	Compound	RT	Ion1Area	Ion2Area	RRF	Ratio	Pred R	S/N 1	SNFlag	EMPC	Int.1	Int.2	pg
1	1289-TCDF	27.38	7.533e4	1.022e5	0.858	0.74	0.77	867.5	YES	NO	db	db	10.006
2	2378-TCDF	25.88	7.583e4	1.018e5	0.876	0.74	0.77	895.7	YES	NO	bb	bb	9.802
3	Total-tetrafurans	24.79	7.370e2	1.079e3	0.933	0.68	0.77	8.4	YES	NO	db	dd	0.094
4	1368-TCDF	22.39	9.960e4	1.319e5	1.064	0.76	0.77	1186.8	YES	NO	bb	bb	10.509
5	Total-pentafurans	32.41	4.363e5	2.872e5	0.866	1.52	1.55	1891.7	YES	NO	bb	bb	49.558
6	23478-PeCDF	31.37	4.582e5	2.969e5	0.911	1.54	1.55	1992.7	YES	NO	bb	bb	50.720
7	12378-PeCDF	30.04	4.347e5	2.900e5	0.845	1.50	1.55	1956.5	YES	NO	bb	bb	49.435
8	Total-pentafurans	28.89	7.749e4	4.941e4	0.866	1.57	1.55	335.4	YES	NO	bb	bb	8.693
9	123789-HxCDF	37.01	3.438e5	2.711e5	1.187	1.27	1.24	1855.6	YES	NO	bb	bb	49.890
10	234678-HxCDF	35.99	4.056e5	3.185e5	1.229	1.27	1.24	2160.6	YES	NO	bb	bd	51.528
11	123678-HxCDF	35.13	4.284e5	3.437e5	1.248	1.25	1.24	2238.5	YES	NO	dd	db	51.066
12	123478-HxCDF	34.98	3.962e5	3.152e5	1.182	1.26	1.24	2155.7	YES	NO	bd	bd	50.838
13	123468-HXCDF	33.34	4.175e5	3.320e5	1.197	1.26	1.24	2104.7	YES	NO	bb	bb	52.862
14	1234678-HpCDF	38.85	3.527e5	3.436e5	1.204	1.03	1.05	1739.4	YES	NO	bb	bb	48.984
15	1234789-HpCDF	41.10	3.197e5	3.013e5	1.165	1.06	1.05	1383.4	YES	NO	bd	bb	51.470
16	OCDF	45.36	4.733e5	5.396e5	1.186	0.88	0.89	2082.4	YES	NO	bb	bb	92.994
17	13468-PECDF	27.24	5.475e5	3.540e5	1.013	1.55	1.55	9441.4	YES	NO	bb	bb	51.279

TD

	Compound	RT	Ion1Area	Ion2Area	RRF	Ratio	Pred R	S/N 1	SNFlag	EMPC	Int.1	Int.2	pg
1	1368-TCDD	23.66	6.883e4	8.714e4	1.084	0.79	0.77	811.7	YES	NO	bb	bb	11.549
2	1289-TCDD	27.12	6.029e4	7.860e4	0.975	0.77	0.77	650.5	YES	NO	bb	bd	11.436
3	2378-TCDD	26.53	6.792e4	8.768e4	1.236	0.77	0.77	749.1	YES	NO	bb	bb	10.105
4	Total-tetradioxins	26.20	1.038e5	1.301e5	1.099	0.80	0.77	805.2	YES	NO	bb	bb	17.096
5	Total-tetradioxins	25.72	3.415e4	4.291e4	1.099	0.80	0.77	378.9	YES	NO	bd	bd	5.632

PD

	Compound	RT	Ion1Area	Ion2Area	RRF	Ratio	Pred R	S/N 1	SNFlag	EMPC	Int.1	Int.2	pg
1	12389-PECDD	32.03	4.002e5	2.572e5	1.252	1.56	1.55	1906.1	YES	NO	bb	bb	51.760
2	12378-PeCDD	31.63	3.290e5	2.096e5	1.087	1.57	1.55	1603.9	YES	NO	bb	bb	48.876
3	12479-PECDD	28.91	6.082e5	3.865e5	1.837	1.57	1.55	1847.3	YES	NO	bb	bb	53.387

ID: ICVCR, Name: 23020110, Date: 01-Feb-2023, Time: 20:23:25, Conditions: AUTOSPEC01, User: pk

HD

	Compound	RT	Ion1Area	Ion2Area	RRF	Ratio	Pred R	S/N 1	SNFlag	EMPC	Int.1	Int.2	pg
1	123789-HxCDD	36.60	2.845e5	2.378e5	0.985	1.20	1.24	1960.3	YES	NO	bb	bb	49.580
2	123678-HxCDD	36.22	2.990e5	2.445e5	1.021	1.22	1.24	1984.4	YES	NO	db	db	48.307
3	123478-HxCDD	36.11	2.890e5	2.319e5	0.987	1.25	1.24	1968.4	YES	NO	bd	bd	50.975
4	124679-HXCDD	34.10	3.073e5	2.529e5	1.033	1.22	1.24	1984.3	YES	NO	bb	bb	52.384

HPD

	Compound	RT	Ion1Area	Ion2Area	RRF	Ratio	Pred R	S/N 1	SNFlag	EMPC	Int.1	Int.2	pg
1	1234678-HpCDD	40.35	2.858e5	2.609e5	1.253	1.10	1.05	1890.7	YES	NO	bd	bb	48.846
2	1234679-HPCDD	39.30	2.978e5	2.984e5	1.286	1.00	1.05	2169.4	YES	NO	bb	bd	51.878

Dioxins,TD,PD,HD,HPD,OD

	Compound	RT	Ion1Area	Ion2Area	RRF	Ratio	Pred R	S/N 1	SNFlag	EMPC	Int.1	Int.2	pg
1	1368-TCDD	23.66	6.883e4	8.714e4	1.084	0.79	0.77	811.7	YES	NO	bb	bb	11.549
2	1289-TCDD	27.12	6.029e4	7.860e4	0.975	0.77	0.77	650.5	YES	NO	bb	bd	11.436
3	2378-TCDD	26.53	6.792e4	8.768e4	1.236	0.77	0.77	749.1	YES	NO	bb	bb	10.105
4	Total-tetradioxins	26.20	1.038e5	1.301e5	1.099	0.80	0.77	805.2	YES	NO	bb	bb	17.096
5	Total-tetradioxins	25.72	3.415e4	4.291e4	1.099	0.80	0.77	378.9	YES	NO	bd	bd	5.632
6	12389-PECDD	32.03	4.002e5	2.572e5	1.252	1.56	1.55	1906.1	YES	NO	bb	bb	51.760
7	12378-PeCDD	31.63	3.290e5	2.096e5	1.087	1.57	1.55	1603.9	YES	NO	bb	bb	48.876
8	12479-PECDD	28.91	6.082e5	3.865e5	1.837	1.57	1.55	1847.3	YES	NO	bb	bb	53.387
9	123789-HxCDD	36.60	2.845e5	2.378e5	0.985	1.20	1.24	1960.3	YES	NO	bb	bb	49.580
10	123678-HxCDD	36.22	2.990e5	2.445e5	1.021	1.22	1.24	1984.4	YES	NO	db	db	48.307
11	123478-HxCDD	36.11	2.890e5	2.319e5	0.987	1.25	1.24	1968.4	YES	NO	bd	bd	50.975
12	124679-HXCDD	34.10	3.073e5	2.529e5	1.033	1.22	1.24	1984.3	YES	NO	bb	bb	52.384
13	1234678-HpCDD	40.35	2.858e5	2.609e5	1.253	1.10	1.05	1890.7	YES	NO	bd	bb	48.846
14	1234679-HPCDD	39.30	2.978e5	2.984e5	1.286	1.00	1.05	2169.4	YES	NO	bb	bd	51.878
15	OCDD	45.11	4.553e5	5.144e5	1.103	0.89	0.89	2832.1	YES	NO	bb	bb	95.778

ID: ICVCR, Name: 23020110, Date: 01-Feb-2023, Time: 20:23:25, Conditions: AUTOSPEC01, User: pk

TotalTEQ,Furans,Dioxins

	Compound	RT	Ion1Area	Ion2Area	RRF	Ratio	Pred R	S/N 1	SNFlag	EMPC	Int.1	Int.2	pg
1	1289-TCDF	27.38	7.533e4	1.022e5	0.858	0.74	0.77	867.5	YES	NO	db	db	10.006
2	2378-TCDF	25.88	7.583e4	1.018e5	0.876	0.74	0.77	895.7	YES	NO	bb	bb	9.802
3	Total-tetrafurans	24.79	7.370e2	1.079e3	0.933	0.68	0.77	8.4	YES	NO	db	dd	0.094
4	1368-TCDF	22.39	9.960e4	1.319e5	1.064	0.76	0.77	1186.8	YES	NO	bb	bb	10.509
5	Total-pentafurans	32.41	4.363e5	2.872e5	0.866	1.52	1.55	1891.7	YES	NO	bb	bb	49.558
6	23478-PeCDF	31.37	4.582e5	2.969e5	0.911	1.54	1.55	1992.7	YES	NO	bb	bb	50.720
7	12378-PeCDF	30.04	4.347e5	2.900e5	0.845	1.50	1.55	1956.5	YES	NO	bb	bb	49.435
8	Total-pentafurans	28.89	7.749e4	4.941e4	0.866	1.57	1.55	335.4	YES	NO	bb	bb	8.693
9	123789-HxCDF	37.01	3.438e5	2.711e5	1.187	1.27	1.24	1855.6	YES	NO	bb	bb	49.890
10	234678-HxCDF	35.99	4.056e5	3.185e5	1.229	1.27	1.24	2160.6	YES	NO	bb	bd	51.528
11	123678-HxCDF	35.13	4.284e5	3.437e5	1.248	1.25	1.24	2238.5	YES	NO	dd	db	51.066
12	123478-HxCDF	34.98	3.962e5	3.152e5	1.182	1.26	1.24	2155.7	YES	NO	bd	bd	50.838
13	123468-HXCDF	33.34	4.175e5	3.320e5	1.197	1.26	1.24	2104.7	YES	NO	bb	bb	52.862
14	1234678-HpCDF	38.85	3.527e5	3.436e5	1.204	1.03	1.05	1739.4	YES	NO	bb	bb	48.984
15	1234789-HpCDF	41.10	3.197e5	3.013e5	1.165	1.06	1.05	1383.4	YES	NO	bd	bb	51.470
16	OCDF	45.36	4.733e5	5.396e5	1.186	0.88	0.89	2082.4	YES	NO	bb	bb	92.994
17	13468-PECDF	27.24	5.475e5	3.540e5	1.013	1.55	1.55	9441.4	YES	NO	bb	bb	51.279
18	1368-TCDD	23.66	6.883e4	8.714e4	1.084	0.79	0.77	811.7	YES	NO	bb	bb	11.549
19	1289-TCDD	27.12	6.029e4	7.860e4	0.975	0.77	0.77	650.5	YES	NO	bb	bd	11.436
20	2378-TCDD	26.53	6.792e4	8.768e4	1.236	0.77	0.77	749.1	YES	NO	bb	bb	10.105
21	Total-tetradioxins	26.20	1.038e5	1.301e5	1.099	0.80	0.77	805.2	YES	NO	bb	bb	17.096
22	Total-tetradioxins	25.72	3.415e4	4.291e4	1.099	0.80	0.77	378.9	YES	NO	bd	bd	5.632
23	12389-PECDD	32.03	4.002e5	2.572e5	1.252	1.56	1.55	1906.1	YES	NO	bb	bb	51.760
24	12378-PeCDD	31.63	3.290e5	2.096e5	1.087	1.57	1.55	1603.9	YES	NO	bb	bb	48.876
25	12479-PECDD	28.91	6.082e5	3.865e5	1.837	1.57	1.55	1847.3	YES	NO	bb	bb	53.387
26	123789-HxCDD	36.60	2.845e5	2.378e5	0.985	1.20	1.24	1960.3	YES	NO	bb	bb	49.580
27	123678-HxCDD	36.22	2.990e5	2.445e5	1.021	1.22	1.24	1984.4	YES	NO	db	db	48.307
28	123478-HxCDD	36.11	2.890e5	2.319e5	0.987	1.25	1.24	1968.4	YES	NO	bd	bd	50.975
29	124679-HXCDD	34.10	3.073e5	2.529e5	1.033	1.22	1.24	1984.3	YES	NO	bb	bb	52.384
30	1234678-HpCDD	40.35	2.858e5	2.609e5	1.253	1.10	1.05	1890.7	YES	NO	bd	bb	48.846
31	1234679-HPCDD	39.30	2.978e5	2.984e5	1.286	1.00	1.05	2169.4	YES	NO	bb	bd	51.878
32	OCDD	45.11	4.553e5	5.144e5	1.103	0.89	0.89	2832.1	YES	NO	bb	bb	95.778

ID: ICVCR, Name: 23020110, Date: 01-Feb-2023, Time: 20:23:25, Conditions: AUTOSPEC01, User: pk

PFK1

	Compound	RT	Ion1Area	Ion2Area	RRF	Ratio	Pred R	S/N 1	SNFlag	EMPC	Int.1	Int.2	pg
1	FUNCTION1 PFK	27.86	1.802e4					0.8	NO		bb		
2	FUNCTION1 PFK	27.44	9.566e3					0.7	NO		bb		
3	FUNCTION1 PFK	27.12	3.959e3					0.4	NO		bb		
4	FUNCTION1 PFK	26.97	4.648e4					1.4	NO		bb		
5	FUNCTION1 PFK	26.85	1.177e4					0.8	NO		bb		
6	FUNCTION1 PFK	26.26	3.797e3					0.4	NO		bb		
7	FUNCTION1 PFK	25.26	1.715e4					0.9	NO		bb		
8	FUNCTION1 PFK	24.10	5.099e4					1.3	NO		bb		
9	FUNCTION1 PFK	22.39	1.400e4					0.8	NO		bb		
10	FUNCTION1 PFK	22.18	2.255e4					1.2	NO		bb		
11	FUNCTION1 PFK	21.91	1.341e4					0.9	NO		bb		
12	FUNCTION1 PFK	21.72	1.562e4					0.9	NO		bb		
13	FUNCTION1 PFK	21.54	1.217e4					0.8	NO		bb		
14	FUNCTION1 PFK	21.48	3.458e4					0.9	NO		bb		
15	FUNCTION1 PFK	28.06	2.191e4					1.2	NO		bb		

ID: ICVCR, Name: 23020110, Date: 01-Feb-2023, Time: 20:23:25, Conditions: AUTOSPEC01, User: pk

PFK2

	Compound	RT	Ion1Area	Ion2Area	RRF	Ratio	Pred R	S/N 1	SNFlag	EMPC	Int.1	Int.2	pg
1	FUNCTION2 PFK	30.07	6.452e3					0.9	NO		bd		0.000
2	FUNCTION2 PFK	29.81	1.293e4					1.6	NO		db		0.000
3	FUNCTION2 PFK	29.78	4.561e3					1.1	NO		bd		0.000
4	FUNCTION2 PFK	29.68	5.711e3					1.0	NO		db		0.000
5	FUNCTION2 PFK	29.64	1.700e4					1.8	NO		bd		0.000
6	FUNCTION2 PFK	29.47	2.480e4					1.9	NO		db		0.000
7	FUNCTION2 PFK	29.36	1.696e4					1.9	NO		bd		0.000
8	FUNCTION2 PFK	29.29	2.861e3					0.7	NO		bb		0.000
9	FUNCTION2 PFK	29.16	1.091e4					1.2	NO		bb		0.000
10	FUNCTION2 PFK	28.90	2.320e3					0.6	NO		bb		0.000
11	FUNCTION2 PFK	28.80	2.770e3					0.8	NO		bb		0.000
12	FUNCTION2 PFK	28.54	5.899e3					1.2	NO		db		0.000
13	FUNCTION2 PFK	28.50	1.397e4					2.0	NO		bd		0.000
14	FUNCTION2 PFK	28.32	1.175e3					0.5	NO		bb		0.000
15	FUNCTION2 PFK	31.69	3.508e3					0.9	NO		bb		0.000
16	FUNCTION2 PFK	31.63	1.016e4					1.4	NO		bb		0.000
17	FUNCTION2 PFK	31.53	8.675e3					0.8	NO		bb		0.000
18	FUNCTION2 PFK	31.49	1.869e3					0.7	NO		bb		0.000
19	FUNCTION2 PFK	31.40	1.095e4					1.3	NO		bb		0.000
20	FUNCTION2 PFK	31.20	1.018e4					1.4	NO		db		0.000
21	FUNCTION2 PFK	31.14	9.902e3					1.4	NO		bd		0.000
22	FUNCTION2 PFK	31.04	2.521e3					0.6	NO		bb		0.000
23	FUNCTION2 PFK	30.92	4.486e3					1.1	NO		db		0.000
24	FUNCTION2 PFK	30.88	6.090e3					1.2	NO		bd		0.000
25	FUNCTION2 PFK	30.81	3.856e3					0.6	NO		bb		0.000
26	FUNCTION2 PFK	30.76	7.571e3					1.5	NO		db		0.000
27	FUNCTION2 PFK	30.72	1.009e4					1.3	NO		bd		0.000
28	FUNCTION2 PFK	30.37	7.200e3					1.1	NO		db		0.000
29	FUNCTION2 PFK	30.32	1.863e4					2.0	NO		bd		0.000
30	FUNCTION2 PFK	30.12	8.431e3					1.5	NO		db		0.000
31	FUNCTION2 PFK	32.82	1.531e4					1.7	NO		bb		0.000
32	FUNCTION2 PFK	32.76	2.617e4					2.0	NO		db		0.000
33	FUNCTION2 PFK	32.66	9.185e3					1.4	NO		dd		0.000
34	FUNCTION2 PFK	32.61	2.742e4					2.3	NO		dd		0.000
35	FUNCTION2 PFK	32.51	2.015e4					1.8	NO		dd		0.000
36	FUNCTION2 PFK	32.38	1.541e4					2.0	NO		bd		0.000
37	FUNCTION2 PFK	32.27	1.620e3					0.7	NO		bb		0.000

ID: ICVCR, Name: 23020110, Date: 01-Feb-2023, Time: 20:23:25, Conditions: AUTOSPEC01, User: pk

PFK2

	Compound	RT	Ion1Area	Ion2Area	RRF	Ratio	Pred R	S/N 1	SNFlag	EMPC	Int.1	Int.2	pg
38	FUNCTION2 PFK	32.22	6.522e3					1.4	NO		bb		0.000
39	FUNCTION2 PFK	31.96	8.002e3					1.0	NO		bb		0.000
40	FUNCTION2 PFK	31.73	2.461e3					0.8	NO		bb		0.000

PFK3

	Compound	RT	Ion1Area	Ion2Area	RRF	Ratio	Pred R	S/N 1	SNFlag	EMPC	Int.1	Int.2	pg
1	FUNCTION3 PFK	34.03	4.935e3					0.7	NO		bb		0.000
2	FUNCTION3 PFK	33.76	5.855e3					0.9	NO		bb		0.000
3	FUNCTION3 PFK	33.65	2.046e4					1.3	NO		bb		0.000
4	FUNCTION3 PFK	33.29	1.061e4					1.2	NO		bb		0.000
5	FUNCTION3 PFK	33.10	1.235e4					0.9	NO		bb		0.000
6	FUNCTION3 PFK	36.89	5.964e3					0.8	NO		bb		0.000
7	FUNCTION3 PFK	36.67	1.246e4					1.3	NO		db		0.000
8	FUNCTION3 PFK	36.59	3.645e4					2.5	NO		bd		0.000
9	FUNCTION3 PFK	36.47	1.165e4					0.9	NO		bb		0.000
10	FUNCTION3 PFK	36.40	4.348e3					0.7	NO		bb		0.000
11	FUNCTION3 PFK	36.32	3.325e4					1.9	NO		bb		0.000
12	FUNCTION3 PFK	36.24	1.791e4					1.4	NO		db		0.000
13	FUNCTION3 PFK	36.19	2.043e4					1.6	NO		bd		0.000
14	FUNCTION3 PFK	35.34	7.839e3					0.9	NO		bb		0.000
15	FUNCTION3 PFK	35.04	1.130e4					1.2	NO		bb		0.000
16	FUNCTION3 PFK	34.98	1.757e4					1.3	NO		bb		0.000
17	FUNCTION3 PFK	34.66	3.150e4					2.1	NO		db		0.000
18	FUNCTION3 PFK	34.63	2.204e4					2.2	NO		bd		0.000
19	FUNCTION3 PFK	34.51	2.015e4					1.6	NO		db		0.000
20	FUNCTION3 PFK	34.43	2.373e4					2.0	NO		dd		0.000
21	FUNCTION3 PFK	34.39	1.491e4					1.8	NO		bd		0.000
22	FUNCTION3 PFK	37.97	9.526e3					1.1	NO		bb		0.000
23	FUNCTION3 PFK	37.61	4.551e3					0.8	NO		bb		0.000
24	FUNCTION3 PFK	37.03	2.911e4					1.8	NO		db		0.000
25	FUNCTION3 PFK	36.98	3.696e3					0.6	NO		bd		0.000

ID: ICVCR, Name: 23020110, Date: 01-Feb-2023, Time: 20:23:25, Conditions: AUTOSPEC01, User: pk

PFK4

	Compound	RT	Ion1Area	Ion2Area	RRF	Ratio	Pred R	S/N 1	SNFlag	EMPC	Int.1	Int.2	pg
1	FUNCTION4 PFK	42.71	9.457e3					0.9	NO		bb		
2	FUNCTION4 PFK	42.55	1.416e3					0.4	NO		bb		
3	FUNCTION4 PFK	42.33	2.050e4					1.4	NO		bb		
4	FUNCTION4 PFK	40.90	3.965e3					0.7	NO		bb		
5	FUNCTION4 PFK	40.40	4.095e3					0.7	NO		bb		
6	FUNCTION4 PFK	40.20	2.031e3					0.6	NO		bb		
7	FUNCTION4 PFK	39.89	7.818e3					1.2	NO		bb		
8	FUNCTION4 PFK	39.30	3.577e3					0.7	NO		db		
9	FUNCTION4 PFK	39.23	1.513e4					1.5	NO		bd		
10	FUNCTION4 PFK	38.50	5.085e3					0.8	NO		bb		
11	FUNCTION4 PFK	38.22	4.047e5					4.0	YES		bb		

PFK5

	Compound	RT	Ion1Area	Ion2Area	RRF	Ratio	Pred R	S/N 1	SNFlag	EMPC	Int.1	Int.2	pg
1	FUNCTION5 PFK	46.44	6.785e3					1.5	NO		db		
2	FUNCTION5 PFK	46.41	4.268e3					1.1	NO		bd		
3	FUNCTION5 PFK	46.32	3.211e3					0.9	NO		bb		
4	FUNCTION5 PFK	46.25	5.782e3					1.5	NO		bb		
5	FUNCTION5 PFK	46.21	2.148e3					0.5	NO		bb		
6	FUNCTION5 PFK	45.92	1.180e4					1.5	NO		bb		
7	FUNCTION5 PFK	45.78	2.503e3					0.9	NO		bb		
8	FUNCTION5 PFK	45.72	1.015e3					0.6	NO		bb		
9	FUNCTION5 PFK	45.60	1.955e3					0.7	NO		bb		
10	FUNCTION5 PFK	45.57	1.104e3					0.6	NO		bb		
11	FUNCTION5 PFK	45.45	1.042e4					1.3	NO		bb		
12	FUNCTION5 PFK	44.52	3.296e3					0.9	NO		bb		
13	FUNCTION5 PFK	44.38	2.843e4					2.4	NO		bb		
14	FUNCTION5 PFK	44.01	6.535e3					1.0	NO		bb		
15	FUNCTION5 PFK	43.51	4.124e3					1.1	NO		bb		

ID: ICVCR, Name: 23020110, Date: 01-Feb-2023, Time: 20:23:25, Conditions: AUTOSPEC01, User: pk

ETHERS1

	Compound	RT	Ion1Area	Ion2Area	RRF	Ratio	Pred R	S/N 1	SNFlag	EMPC	Int.1	Int.2	pg
1	FUNCTION1 HXCD...	27.80	1.077e2					3.2	YES		bb		0.000
2	FUNCTION1 HXCD...	27.23	8.014e1					1.9	NO		bb		0.000
3	FUNCTION1 HXCD...	25.90	4.015e2					4.7	YES		db		0.000
4	FUNCTION1 HXCD...	25.72	1.078e2					2.6	NO		bd		0.000
5	FUNCTION1 HXCD...	22.96	9.275e1					1.5	NO		bb		0.000
6	FUNCTION1 HXCD...	21.89	1.274e2					3.2	YES		bb		0.000

ETHERS2

	Compound	RT	Ion1Area	Ion2Area	RRF	Ratio	Pred R	S/N 1	SNFlag	EMPC	Int.1	Int.2	pg
1	FUNCTION1 HPCD...	24.78	7.643e1					1.2	NO		bb		0.000
2	FUNCTION1 HPCD...	24.10	1.351e2					2.2	NO		db		0.000
3	FUNCTION1 HPCD...	23.90	1.347e2					2.0	NO		dd		0.000
4	FUNCTION1 HPCD...	23.73	7.182e1					1.5	NO		dd		0.000
5	FUNCTION1 HPCD...	23.60	1.453e2					1.7	NO		bd		0.000
6	FUNCTION1 HPCD...	22.30	7.288e1					1.3	NO		bb		0.000
7	FUNCTION1 HPCD...	21.72	1.050e2					2.3	NO		db		0.000
8	FUNCTION1 HPCD...	21.65	1.092e2					1.7	NO		bd		0.000
9	FUNCTION1 HPCD...	27.77	1.087e2					2.2	NO		db		0.000
10	FUNCTION1 HPCD...	27.64	1.853e2					2.8	NO		bd		0.000
11	FUNCTION1 HPCD...	26.97	7.971e1					1.8	NO		db		0.000
12	FUNCTION1 HPCD...	26.89	8.957e1					2.2	NO		bd		0.000
13	FUNCTION1 HPCD...	25.88	1.706e2					2.4	NO		bb		0.000

ETHERS3

	Compound	RT	Ion1Area	Ion2Area	RRF	Ratio	Pred R	S/N 1	SNFlag	EMPC	Int.1	Int.2	pg
1	FUNCTION2 HPCD...	31.25	4.855e2					9.2	YES		bb		0.000

ETHERS4

	Compound	RT	Ion1Area	Ion2Area	RRF	Ratio	Pred R	S/N 1	SNFlag	EMPC	Int.1	Int.2	pg
1	FUNCTION3 OCDPE	34.13	1.383e2					3.3	YES		bb		0.000

ID: ICVCR, Name: 23020110, Date: 01-Feb-2023, Time: 20:23:25, Conditions: AUTOSPEC01, User: pk

ETHERS5

	Compound	RT	Ion1Area	Ion2Area	RRF	Ratio	Pred R	S/N 1	SNFlag	EMPC	Int.1	Int.2	pg
1	FUNCTION4 NCDPE	41.71	9.570e1					1.7	NO		bb		0.000
2	FUNCTION4 NCDPE	40.15	8.625e1					2.5	NO		bb		0.000
3	FUNCTION4 NCDPE	39.82	7.102e1					1.6	NO		bb		0.000

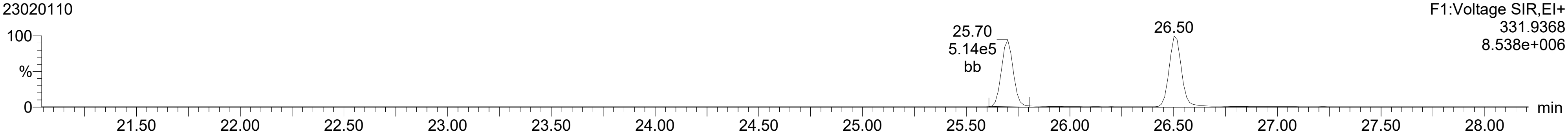
ETHERS6

	Compound	RT	Ion1Area	Ion2Area	RRF	Ratio	Pred R	S/N 1	SNFlag	EMPC	Int.1	Int.2	pg
1	FUNCTION5 DCDPE	45.11	7.207e1					2.3	NO		bb		0.000

Method: T:\Autospec\Methods\Dioxin230131IH.mdb 03 Feb 2023 10:31:33
Calibration: T:\Autospec\Curves\230201ICIH.cdb 03 Feb 2023 10:33:40

ID: ICVCR, Name: 23020110, Date: 01-Feb-2023, Time: 20:23:25, Conditions: AUTOSPEC01, User: pk

13C-1234-TCDD



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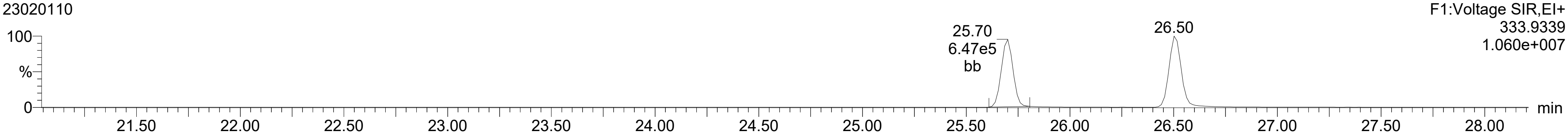
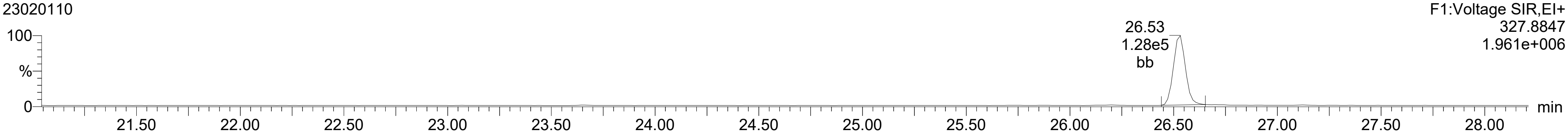


37CL-2378-TCDD



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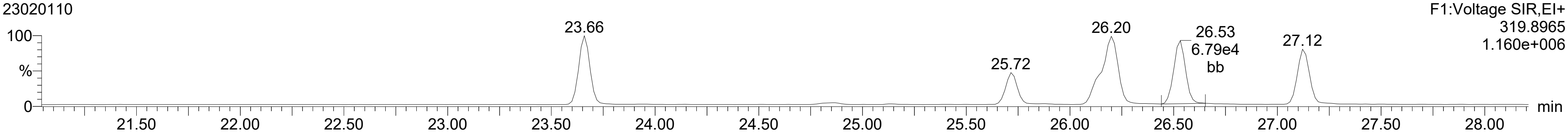

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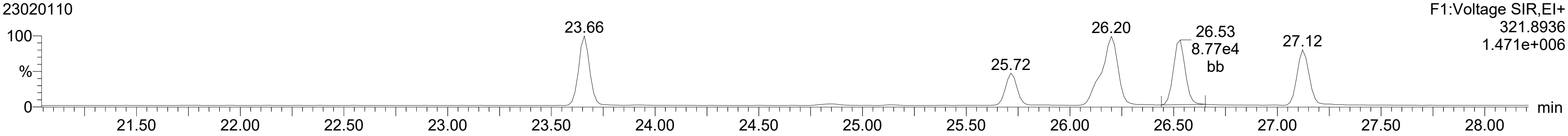

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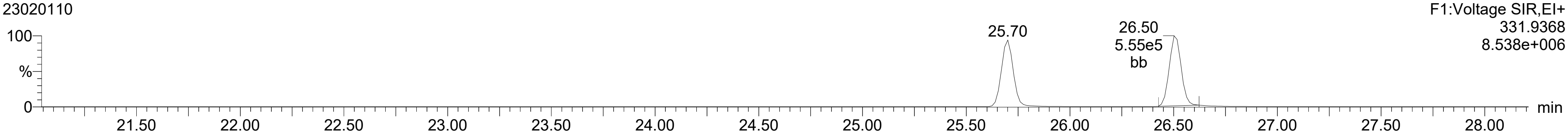

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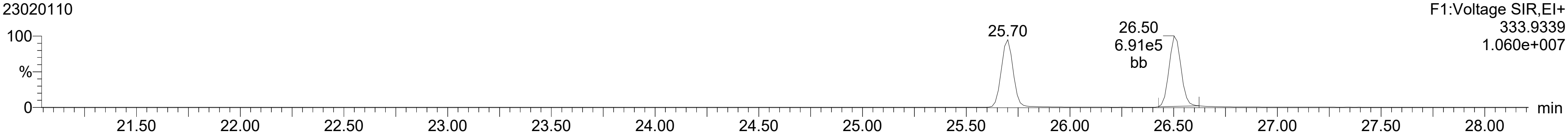

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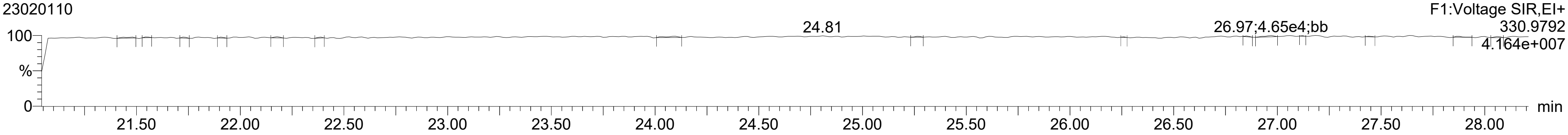

ID: ICVCR, Name: 23020110, Date: 01-Feb-2023, Time: 20:23:25, Conditions: AUTOSPEC01, User: pk

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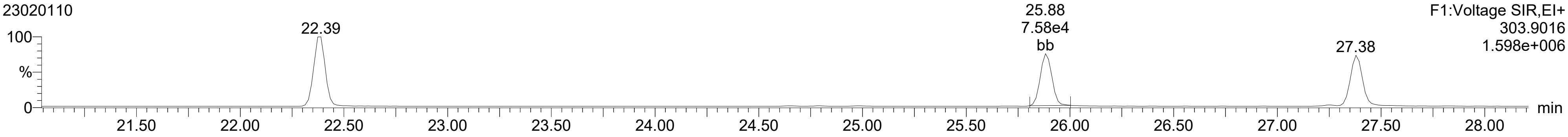

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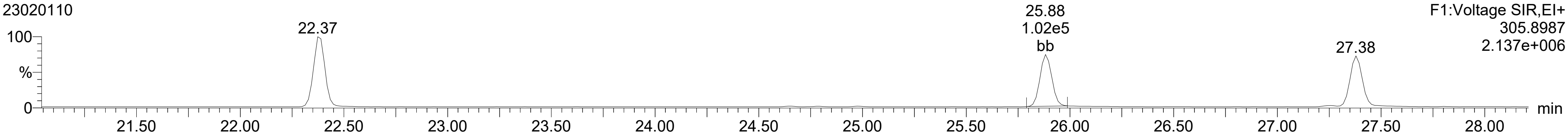

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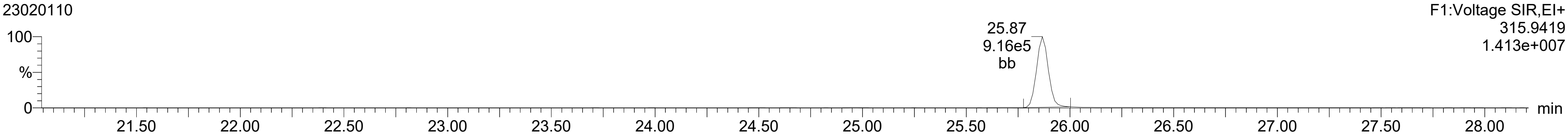

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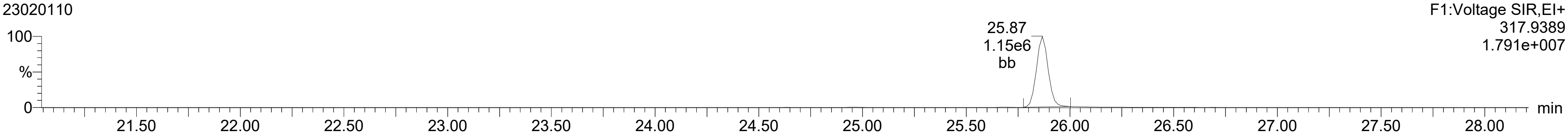

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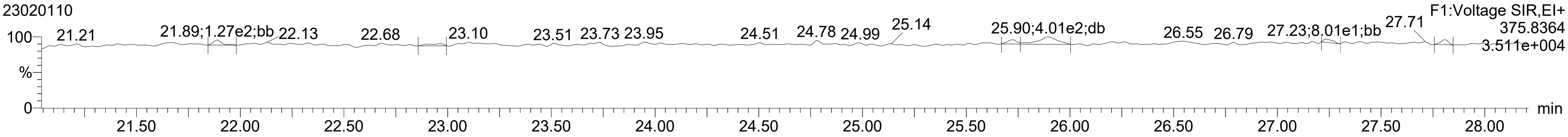

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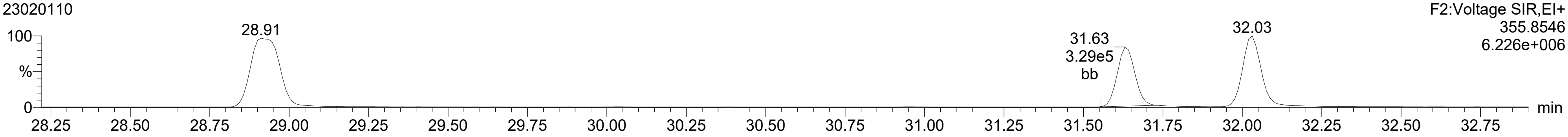
12378-PeCDD



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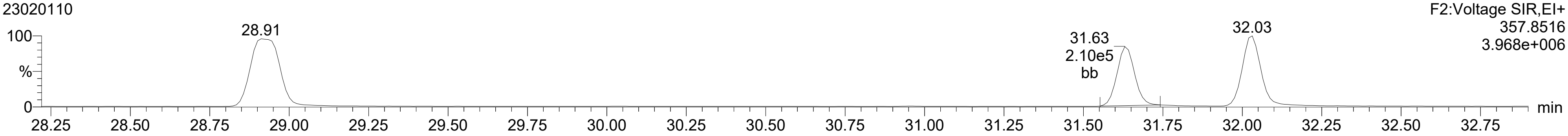

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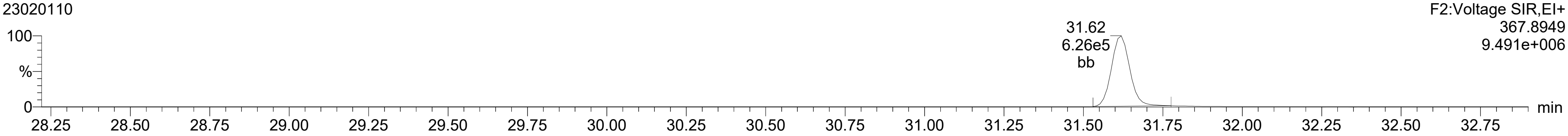

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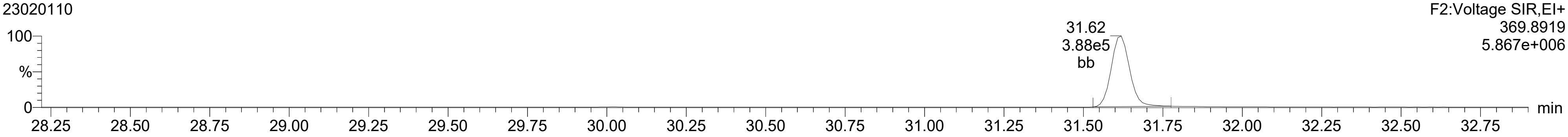

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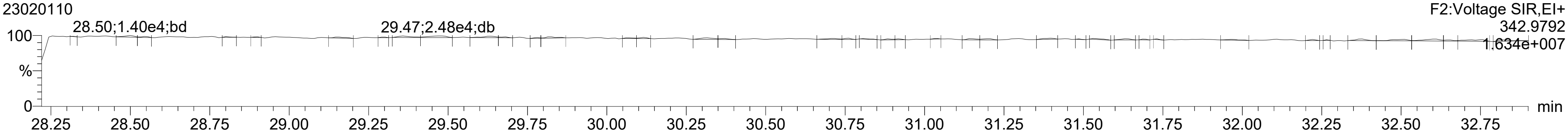

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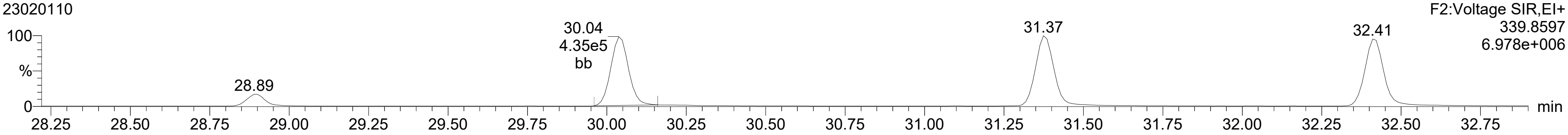

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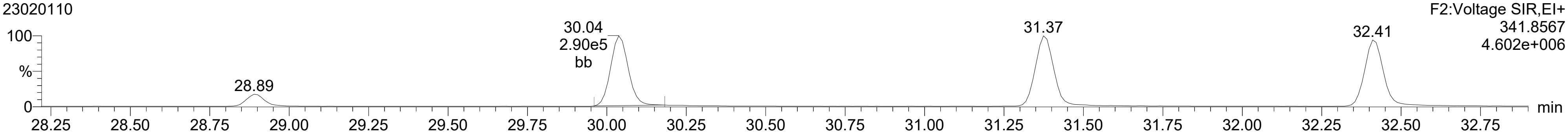

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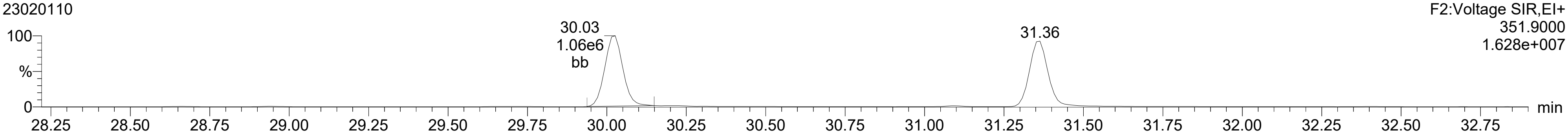

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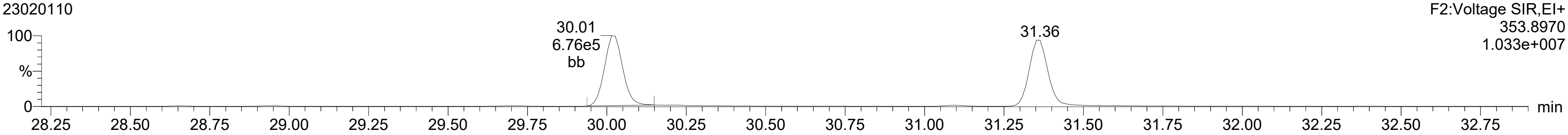

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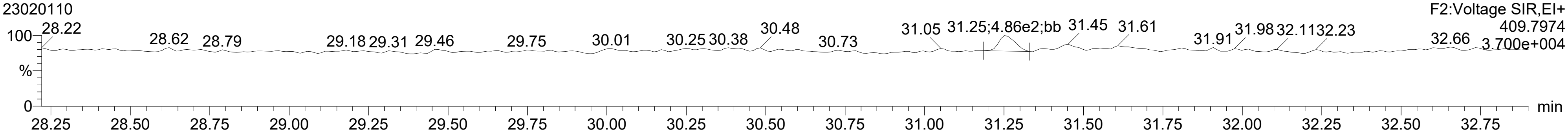

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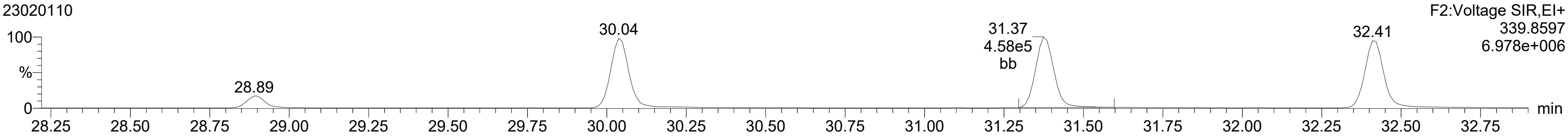

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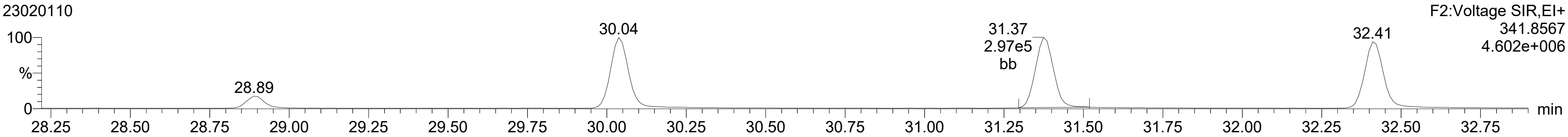

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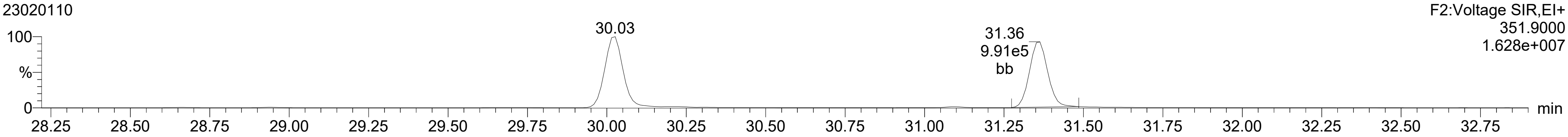

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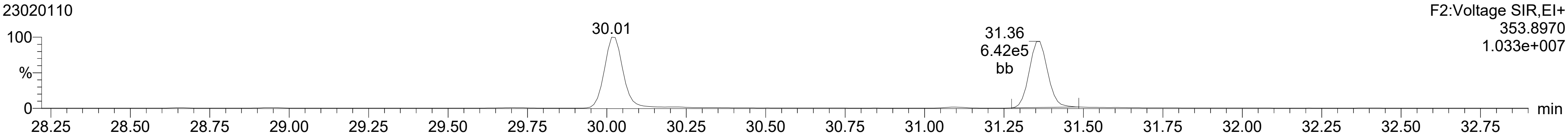

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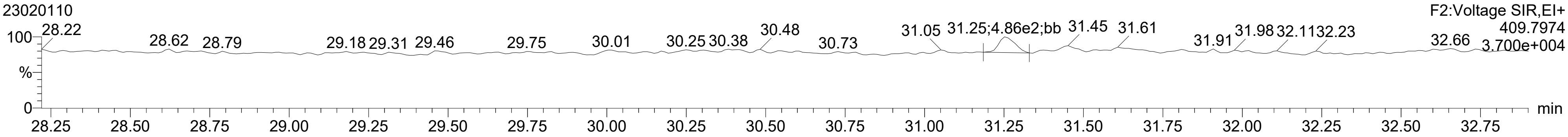

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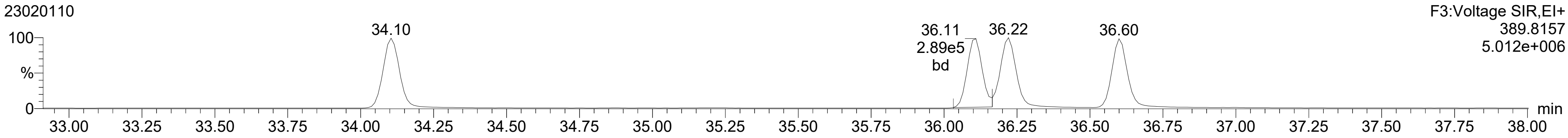

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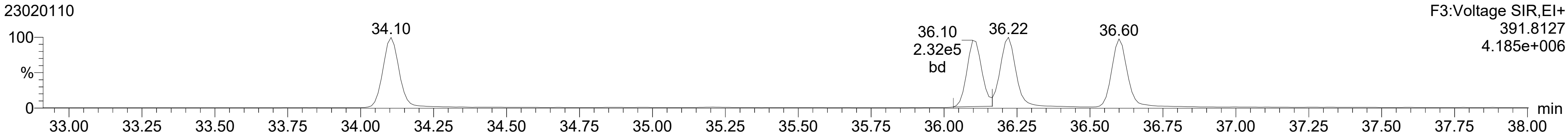

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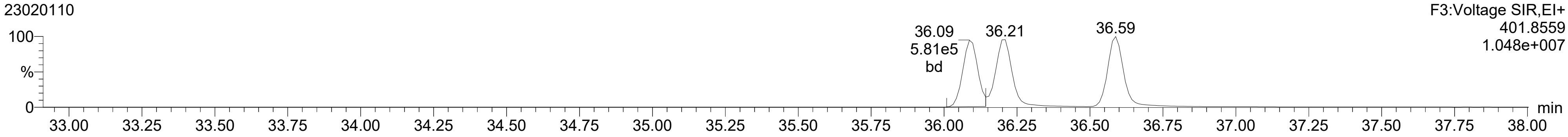

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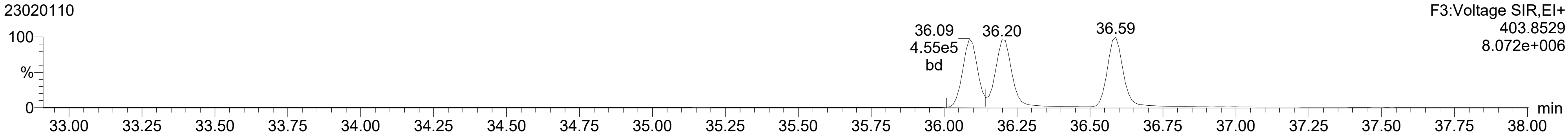
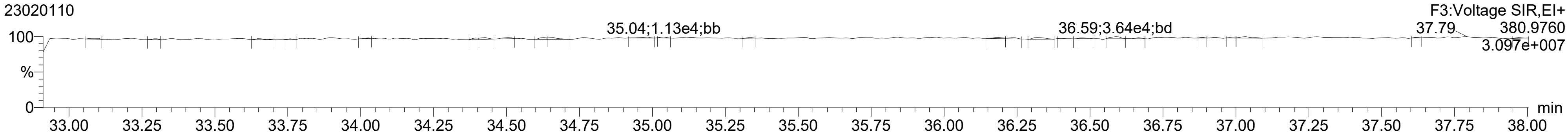


FUNCTION3 PFK



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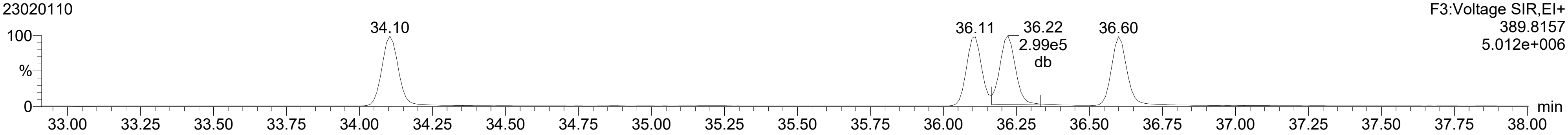

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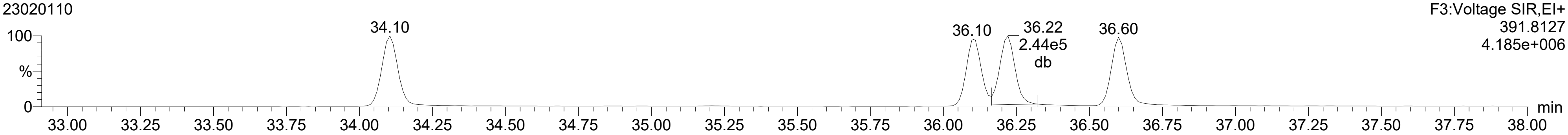

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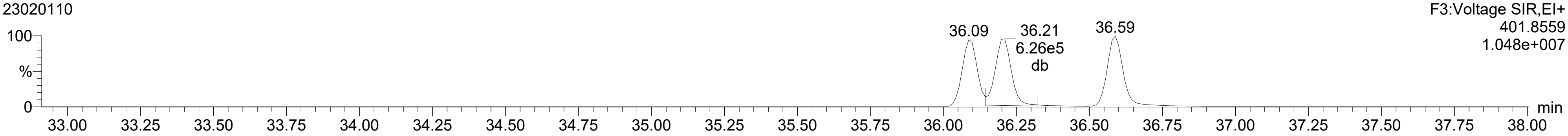

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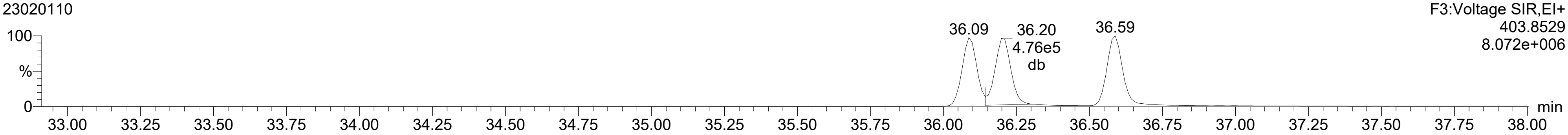

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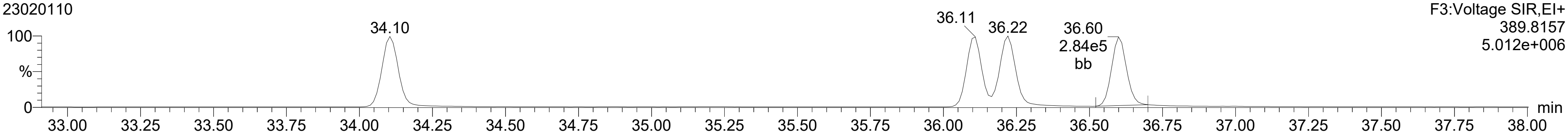

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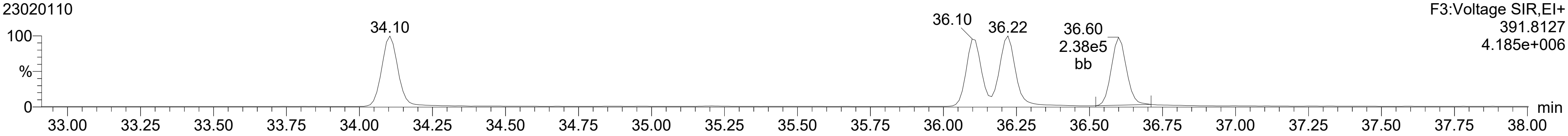

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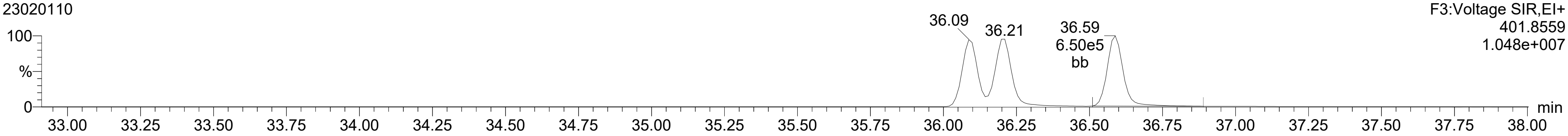

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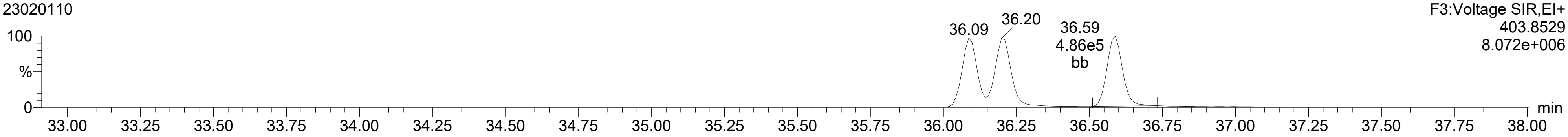

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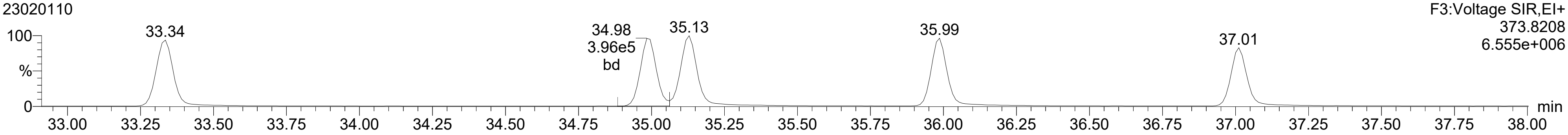

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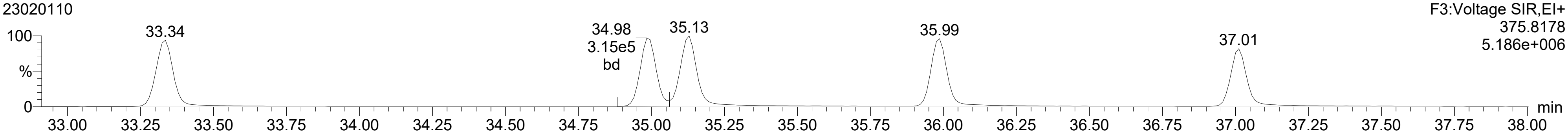

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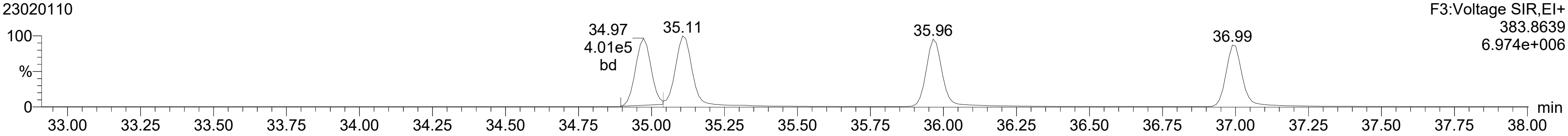

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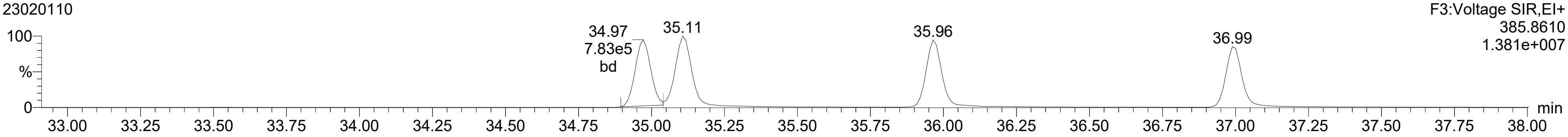
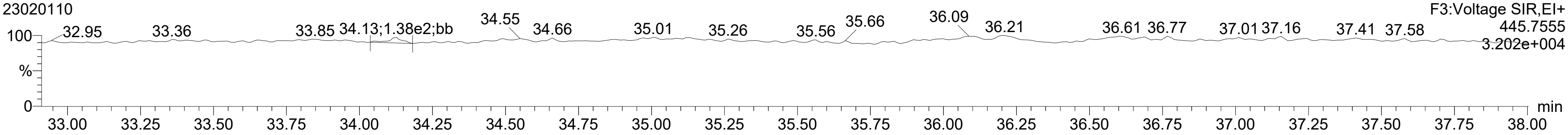


FUNCTION3 OCDPE



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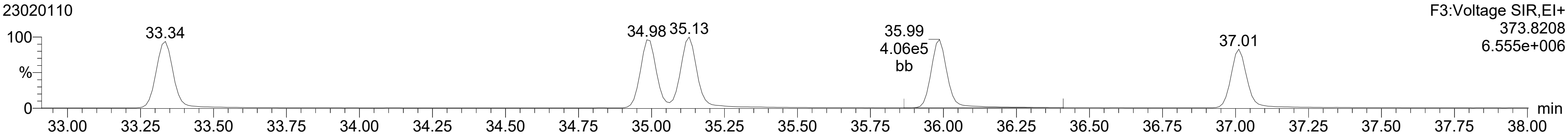

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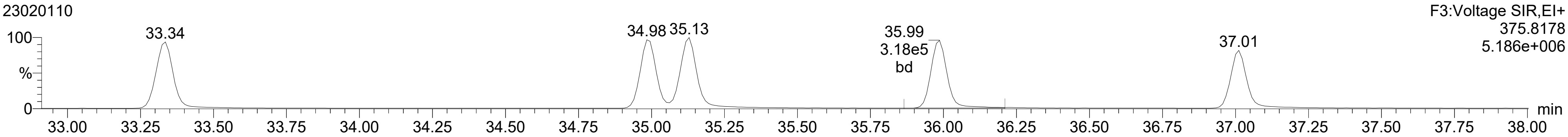

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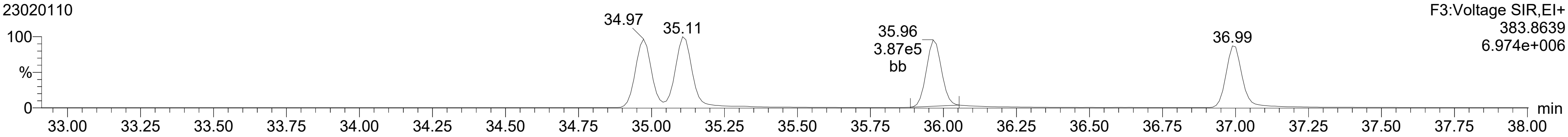

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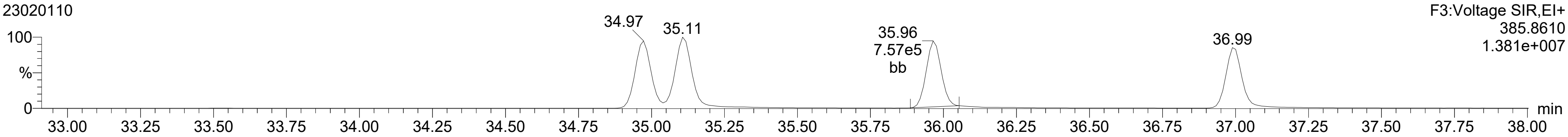

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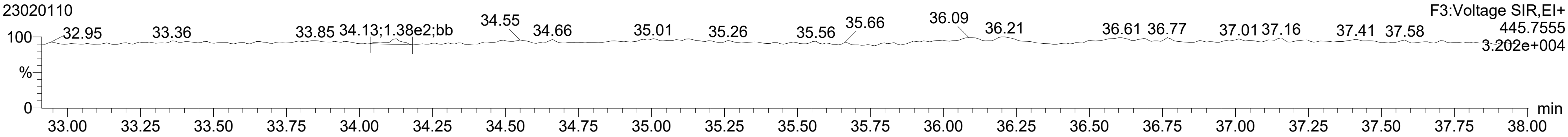

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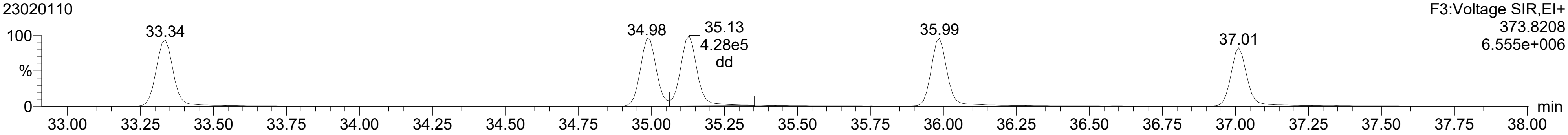

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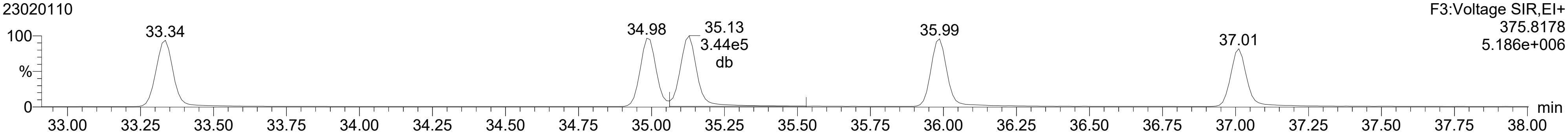

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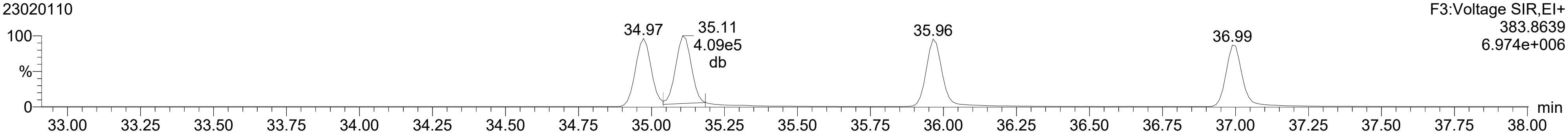

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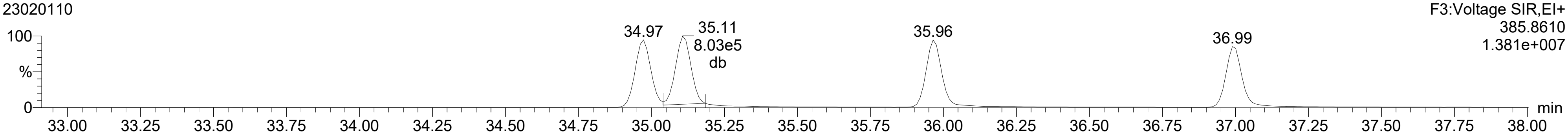

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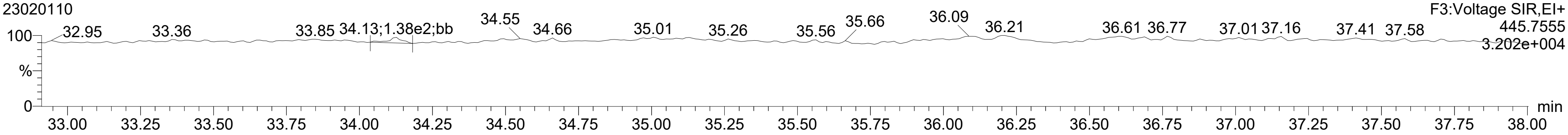

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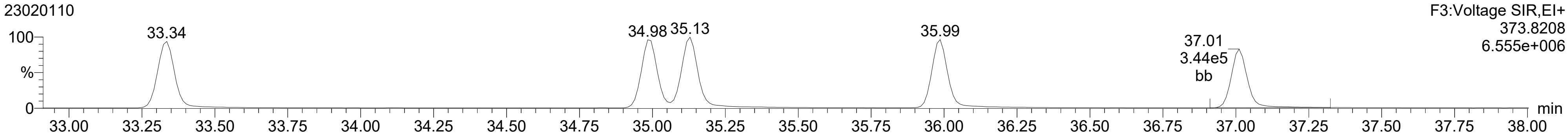

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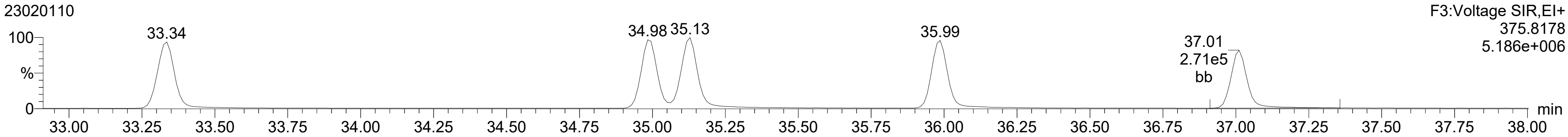

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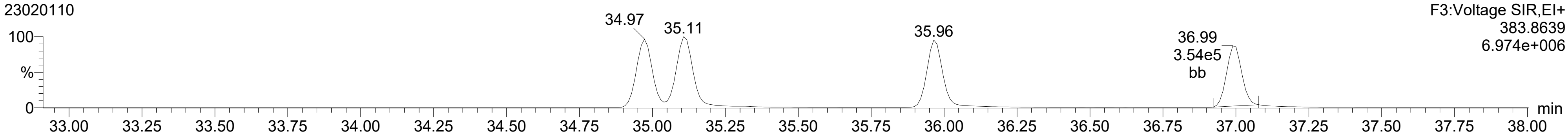

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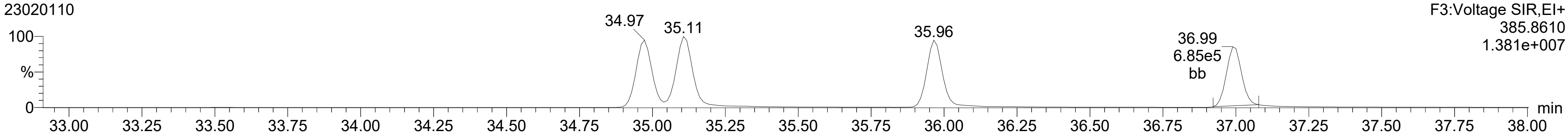
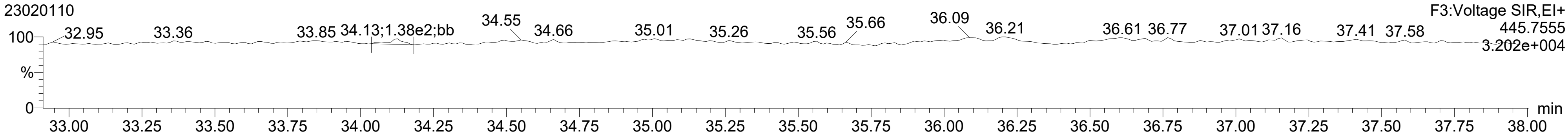
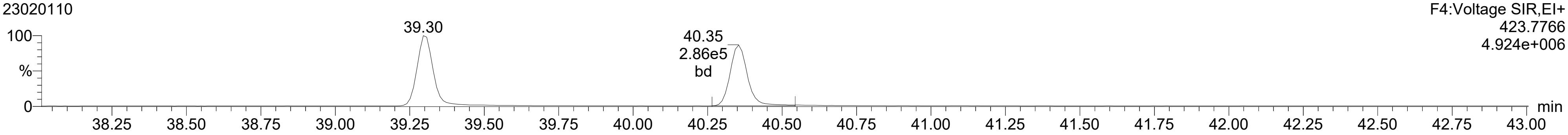


FUNCTION3 OCDPE



ID: ICVCR, Name: 23020110, Date: 01-Feb-2023, Time: 20:23:25, Conditions: AUTOSPEC01, User: pk

1234678-HpCDD



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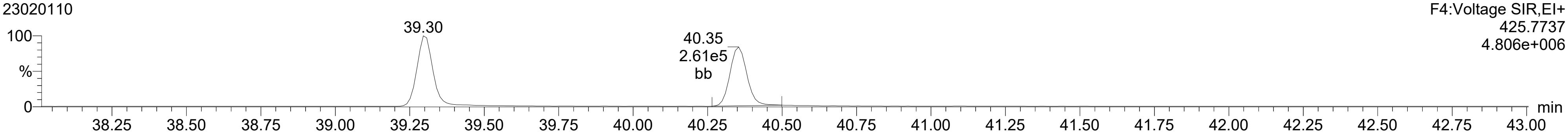
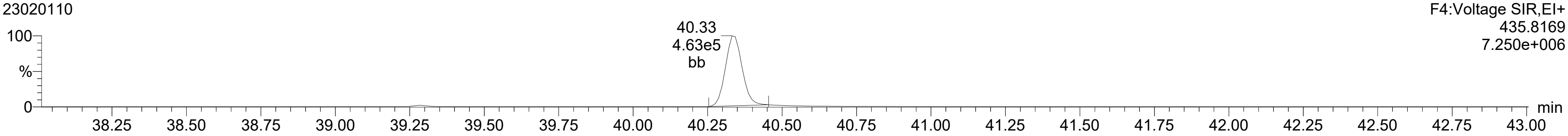


13C-1234678-HpCDD



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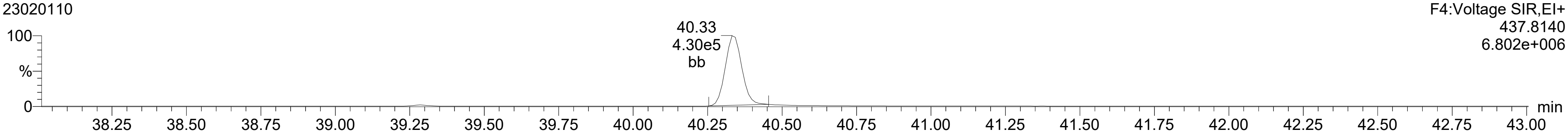
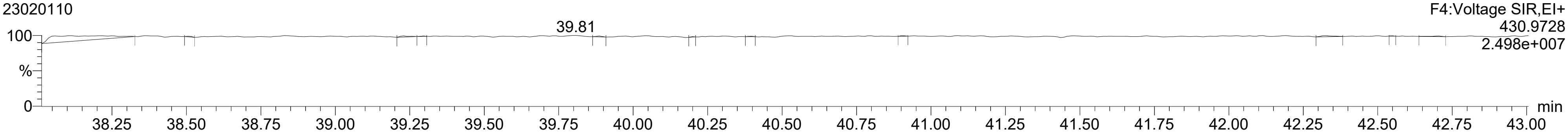


FUNCTION4 PFK



ID: ICVCR, Name: 23020110, Date: 01-Feb-2023, Time: 20:23:25, Conditions: AUTOSPEC01, User: pk

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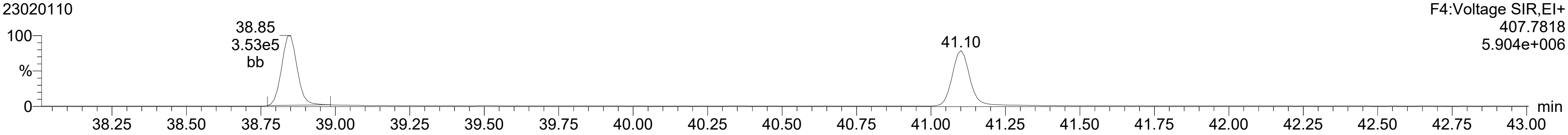

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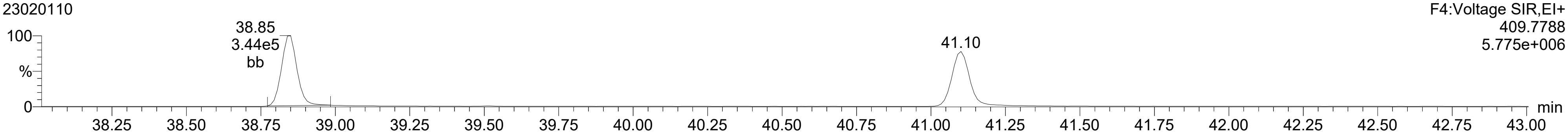

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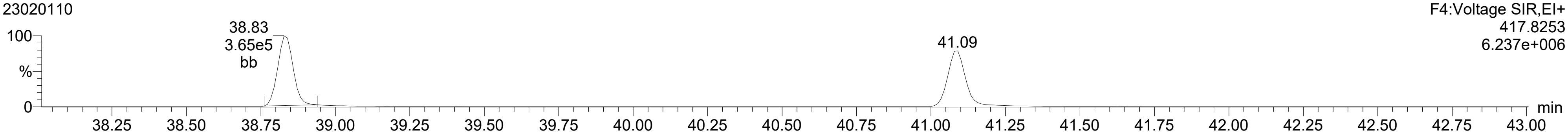

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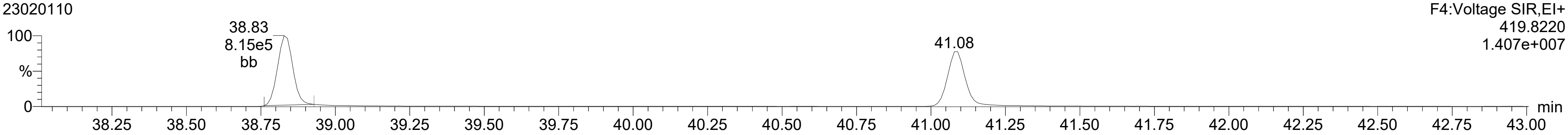
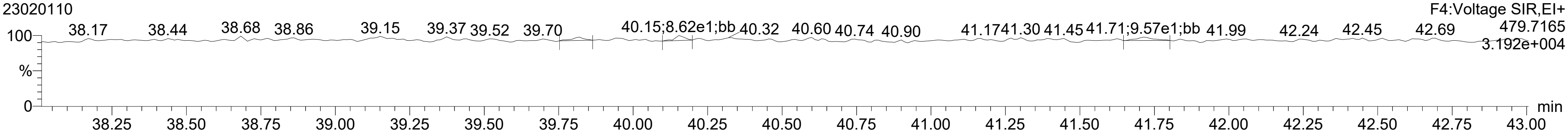
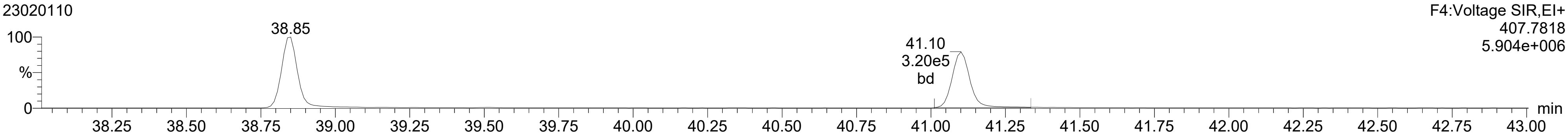


FUNCTION4 NCDPE



ID: ICVCR, Name: 23020110, Date: 01-Feb-2023, Time: 20:23:25, Conditions: AUTOSPEC01, User: pk

1234789-HpCDF



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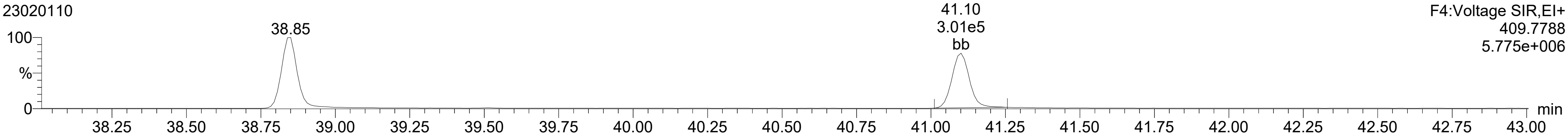

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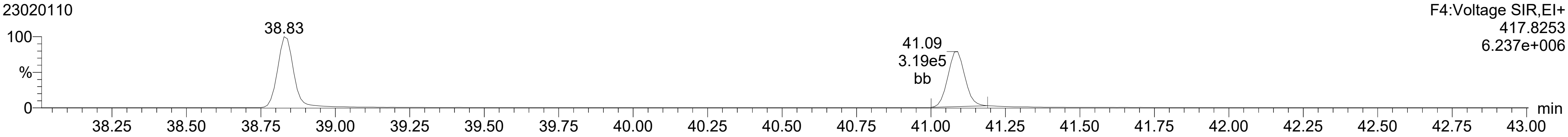

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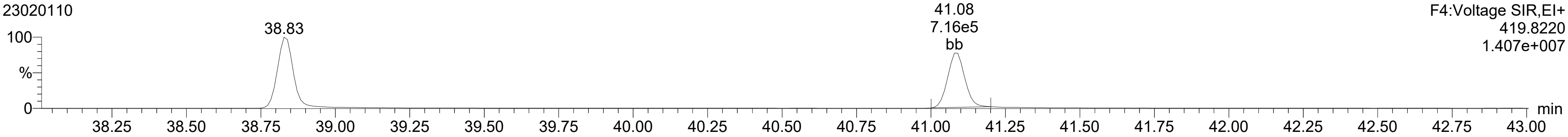
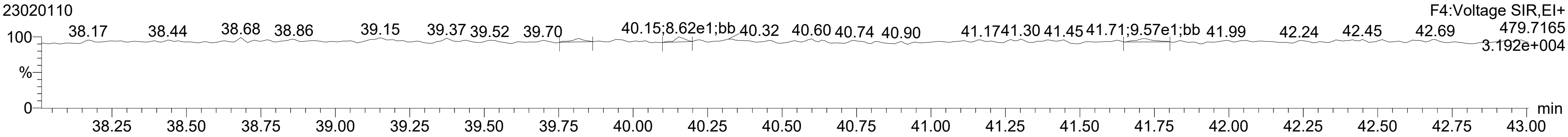
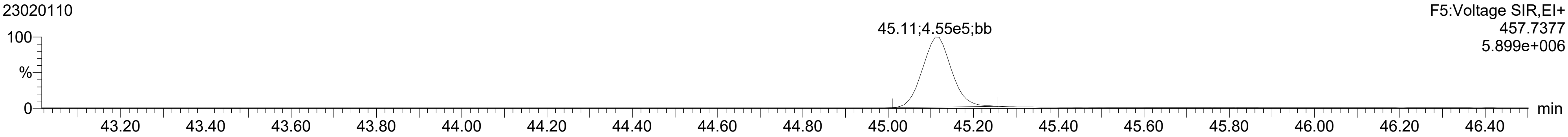


FUNCTION4 NCDPE

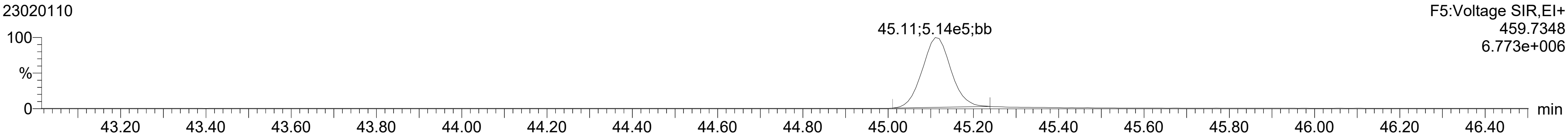


ID: ICVCR, Name: 23020110, Date: 01-Feb-2023, Time: 20:23:25, Conditions: AUTOSPEC01, User: pk

OCDD



OCDD



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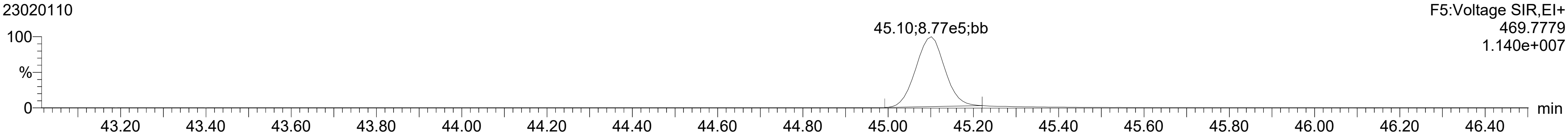

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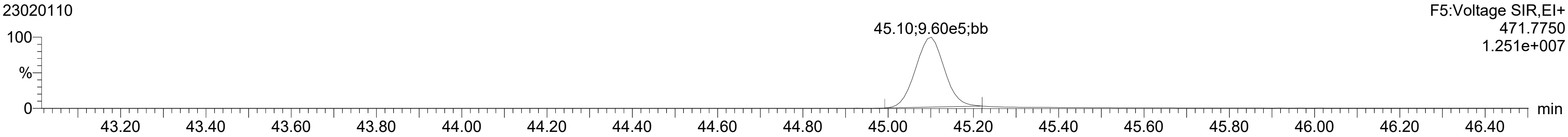
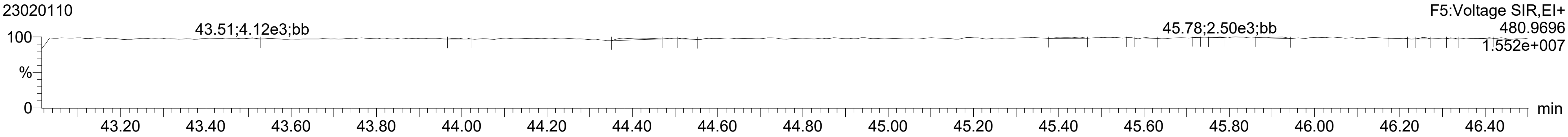
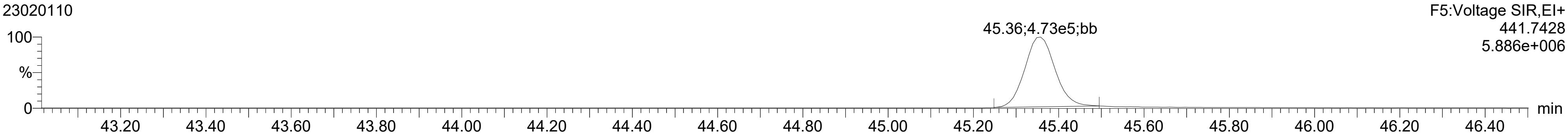


FUNCTION5 PFK

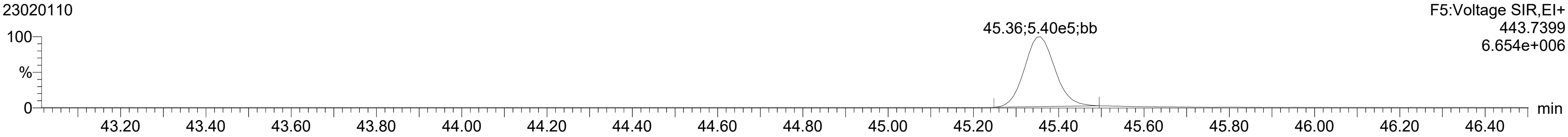


ID: ICVCR, Name: 23020110, Date: 01-Feb-2023, Time: 20:23:25, Conditions: AUTOSPEC01, User: pk

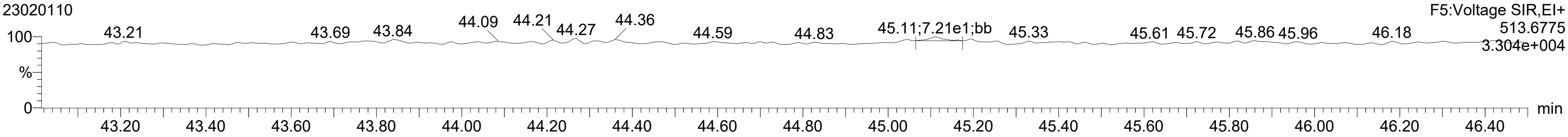
OCDF



OCDF

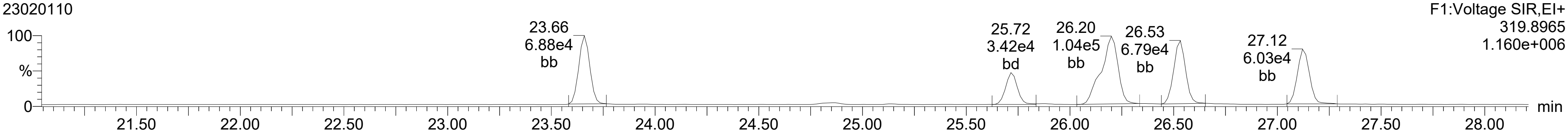


FUNCTION5 DCDPE

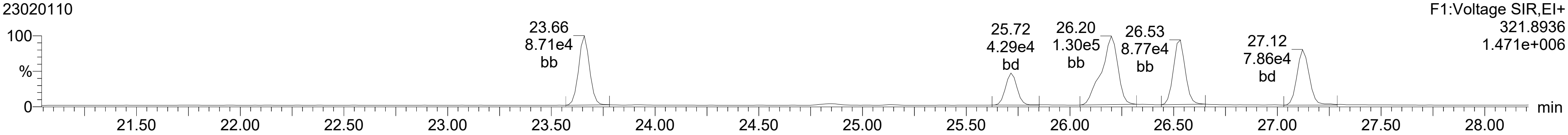


ID: ICVCR, Name: 23020110, Date: 01-Feb-2023, Time: 20:23:25, Conditions: AUTOSPEC01, User: pk

Total-tetradioxins



Total-tetradioxins



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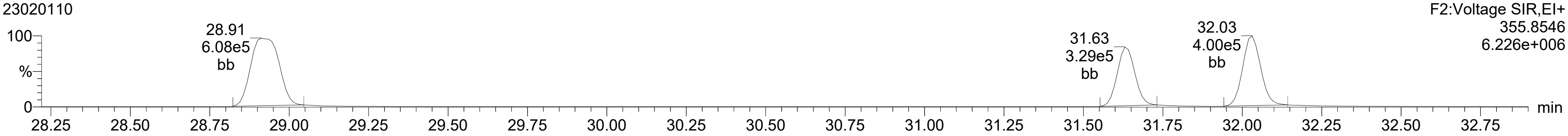
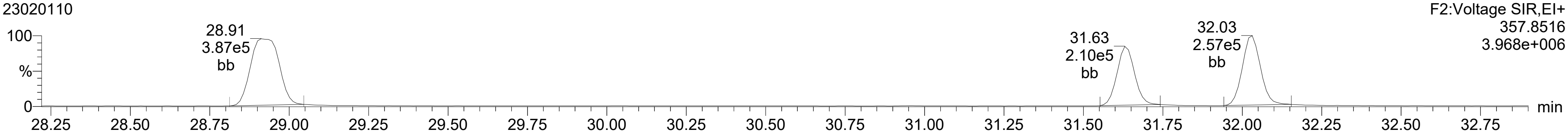
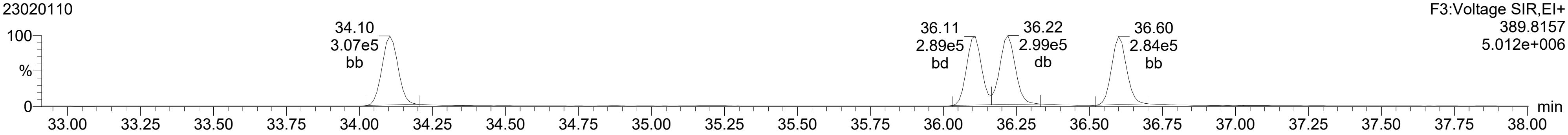


Total-pentadioxins



ID: ICVCR, Name: 23020110, Date: 01-Feb-2023, Time: 20:23:25, Conditions: AUTOSPEC01, User: pk

Total-hexadioxins



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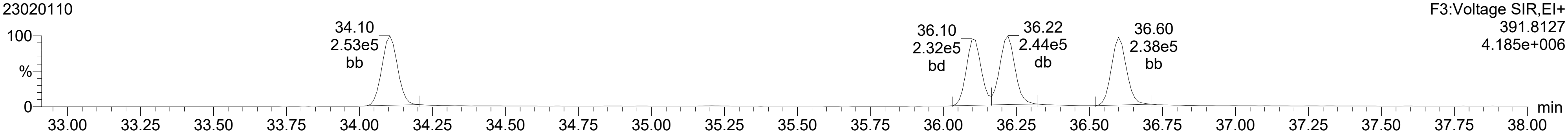

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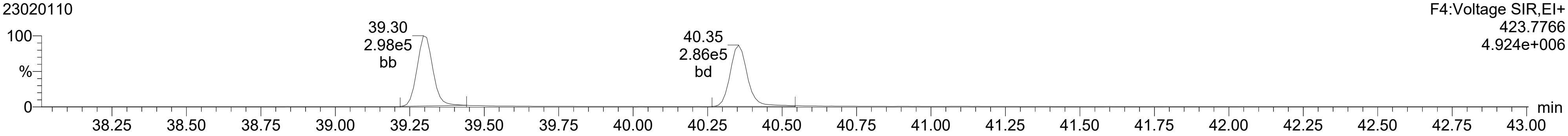
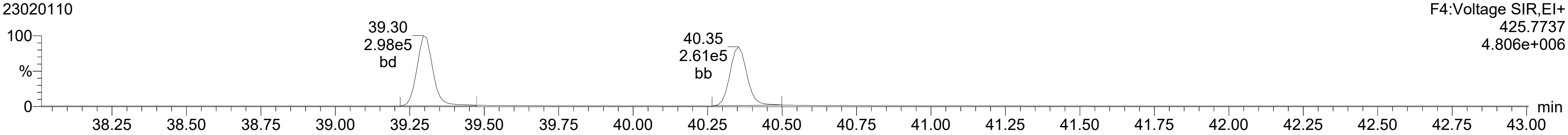
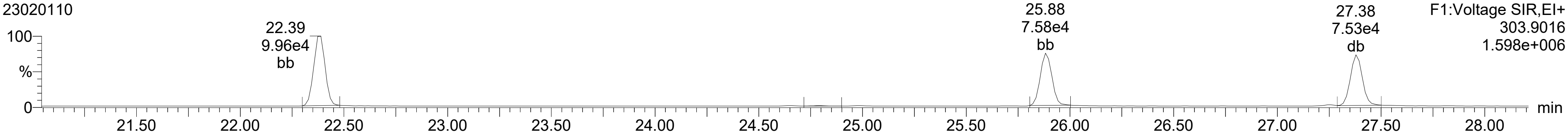


Total-heptadioxins

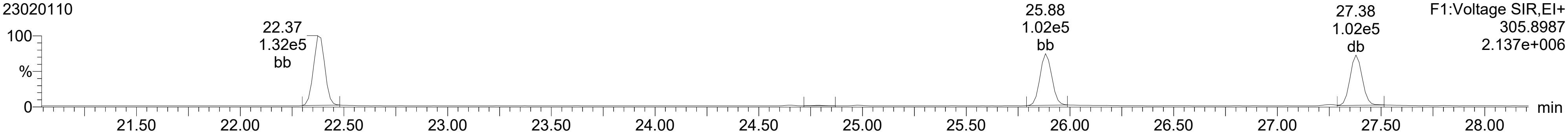


ID: ICVCR, Name: 23020110, Date: 01-Feb-2023, Time: 20:23:25, Conditions: AUTOSPEC01, User: pk

Total-tetrafurans



Total-tetrafurans



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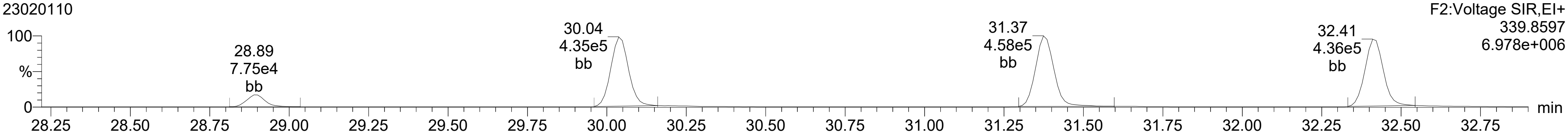

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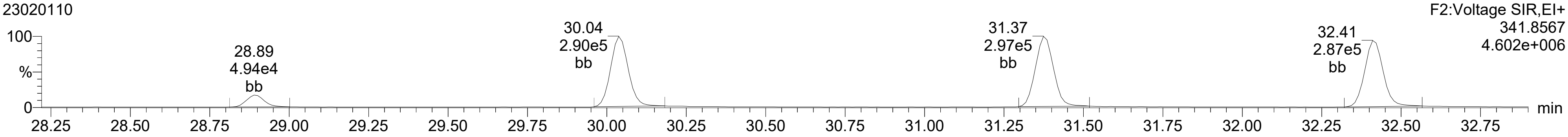

ID: ICVCR, Name: 23020110, Date: 01-Feb-2023, Time: 20:23:25, Conditions: AUTOSPEC01, User: pk

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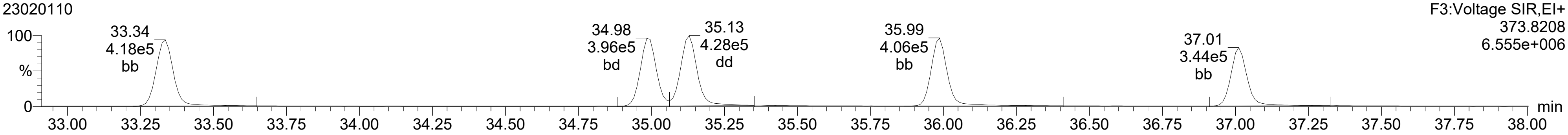

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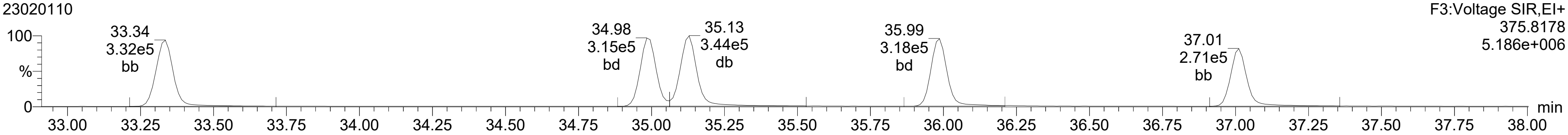

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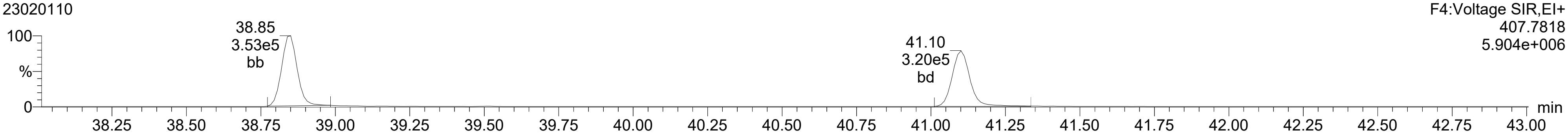
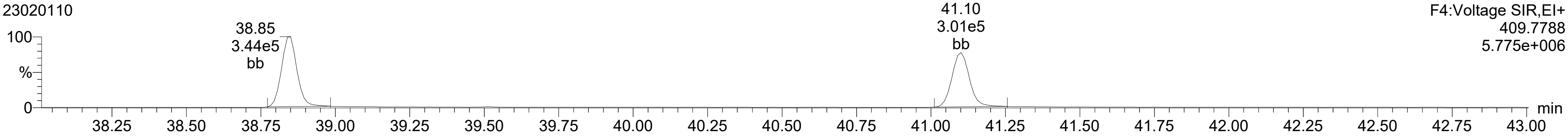


Total-heptafurans



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Calibration: T:\Autospec\Curves\230201ICIH.cdb 03 Feb 2023 10:33:40

ID: CS3R2, Name: 23020111, Date: 01-Feb-2023, Time: 21:12:31, Conditions: AUTOSPEC01, User: pk

Compound	RT	RRT	Ion1Area	Ion2Area	RRF	Ratio	Pred R	Noise 1	Noise 2	Height 1	Height 2	S/N 1	S/N 2	EMPC	Int.1	Int.2	pg
2378-TCDF	25.882	1.001	6.336e4	8.393e4	0.876	0.755	0.770	1070	1746	9.70e5	1.26e6	906.6	721.7	NO	bb	bb	10.162
12378-PeCDF	30.048	1.001	3.709e5	2.488e5	0.845	1.491	1.550	3113	3215	5.69e6	3.70e6	1826.3	1149.4	NO	bb	bd	50.020
23478-PeCDF	31.385	1.001	3.851e5	2.639e5	0.911	1.459	1.550	3113	3215	5.96e6	3.97e6	1913.7	1234.6	NO	bb	bd	50.684
123478-HxCDF	34.995	1.001	3.366e5	2.649e5	1.182	1.270	1.240	2488	2037	5.32e6	4.21e6	2136.8	2067.1	NO	bd	bd	49.625
234678-HxCDF	35.986	1.000	3.507e5	2.736e5	1.229	1.282	1.240	2488	2037	5.45e6	4.23e6	2188.7	2078.3	NO	bb	bd	52.648
123678-HxCDF	35.129	1.000	3.745e5	2.918e5	1.248	1.283	1.240	2488	2037	5.41e6	4.26e6	2174.2	2090.5	NO	dd	dd	50.908
123789-HxCDF	37.012	1.000	2.970e5	2.380e5	1.187	1.248	1.240	2488	2037	4.75e6	3.76e6	1910.9	1845.7	NO	bd	bb	50.440
1234678-HpCDF	38.850	1.000	2.932e5	2.919e5	1.204	1.004	1.050	3100	2795	4.79e6	4.70e6	1544.8	1680.6	NO	bb	bd	48.294
1234789-HpCDF	41.100	1.000	2.671e5	2.524e5	1.165	1.058	1.050	3100	2795	3.96e6	3.73e6	1278.4	1333.4	NO	bb	bb	49.677
OCDF	45.358	1.006	3.958e5	4.645e5	1.186	0.852	0.890	1455	4440	4.72e6	5.37e6	3247.1	1209.2	NO	bb	bd	90.445
2378-TCDD	26.532	1.001	5.892e4	7.101e4	1.236	0.830	0.770	1225	1339	8.91e5	1.09e6	727.0	817.8	NO	dd	bb	9.397
12378-PeCDD	31.642	1.001	2.888e5	1.854e5	1.087	1.558	1.550	2693	2242	4.44e6	2.82e6	1647.5	1257.1	NO	bb	bb	51.126
123478-HxCDD	36.109	1.000	2.420e5	2.004e5	0.987	1.207	1.240	3333	2112	4.15e6	3.36e6	1245.4	1591.3	NO	bd	bd	50.303
123678-HxCDD	36.221	1.000	2.536e5	2.261e5	1.021	1.122	1.240	3333	2112	4.16e6	3.48e6	1248.0	1648.2	NO	db	db	51.010
123789-HxCDD	36.611	1.011	2.491e5	2.029e5	0.985	1.228	1.240	3333	2112	4.05e6	3.32e6	1216.5	1574.2	NO	bb	bb	50.610
1234678-HpCDD	40.354	1.000	2.244e5	2.131e5	1.253	1.053	1.050	2651	2455	3.41e6	3.28e6	1286.0	1334.6	NO	bb	bb	45.500
OCDD	45.120	1.000	3.894e5	4.309e5	1.103	0.904	0.890	2219	2267	4.59e6	5.31e6	2068.3	2340.4	NO	bd	bb	92.775
13C-2378-TCDF	25.867	1.006	7.314e5	9.230e5	1.768	0.792	0.770	2216	1949	1.12e7	1.43e7	5056.1	7338.5	NO	bb	bb	95.256
13C-12378-PeCDF	30.026	1.168	8.745e5	5.922e5	1.527	1.477	1.550	3934	3547	1.37e7	8.95e6	3469.6	2522.0	NO	bb	bd	97.769
13C-23478-PeCDF	31.363	1.220	8.488e5	5.566e5	1.466	1.525	1.550	3934	3547	1.32e7	8.62e6	3344.9	2430.1	NO	bb	bb	97.572
13C-123478-HxCDF	34.973	0.956	3.485e5	6.773e5	1.054	0.515	0.510	2953	4567	5.67e6	1.10e7	1918.4	2413.6	NO	bd	bd	101.894
13C-123678-HxCDF	35.118	0.960	3.543e5	6.945e5	1.080	0.510	0.510	2953	4567	5.60e6	1.10e7	1895.3	2409.2	NO	db	db	101.648
13C-234678-HxCDF	35.975	0.983	3.286e5	6.364e5	1.014	0.516	0.510	2953	4567	5.48e6	1.04e7	1855.6	2267.5	NO	bb	bb	99.572
13C-123789-HxCDF	37.000	1.011	3.031e5	5.907e5	0.928	0.513	0.510	2953	4567	5.28e6	1.02e7	1789.2	2235.2	NO	bb	bb	100.817
13C-1234678-HpCDF	38.839	1.062	3.130e5	6.930e5	1.036	0.452	0.440	2151	4289	5.21e6	1.16e7	2423.7	2703.6	NO	bb	bb	101.637
13C-1234789-HpCDF	41.089	1.123	2.806e5	6.168e5	0.905	0.455	0.440	2151	4289	4.21e6	9.25e6	1954.9	2156.4	NO	bb	bb	103.794
13C-1234-TCDD	25.700	0.000	4.358e5	5.465e5	1.000	0.797	0.770	2468	2151	6.80e6	8.50e6	2756.9	3953.0	NO	bb	bb	100.000
13C-2378-TCDD	26.517	1.032	4.953e5	6.230e5	1.103	0.795	0.770	2468	2151	7.43e6	9.28e6	3010.2	4316.3	NO	bb	bb	103.212
13C-12378-PeCDD	31.619	1.230	5.254e5	3.282e5	0.914	1.601	1.550	1809	1341	8.04e6	5.00e6	4443.5	3732.3	NO	bb	bb	95.052
13C-123478-HxCDD	36.098	0.987	5.053e5	3.859e5	0.933	1.309	1.240	2226	2294	8.20e6	6.16e6	3683.0	2686.4	NO	bd	bd	99.984
13C-123678-HxCDD	36.209	0.990	5.186e5	4.029e5	0.965	1.287	1.240	2226	2294	8.41e6	6.65e6	3779.0	2898.5	NO	db	db	99.982
13C-1234678-HpCDD	40.343	1.103	3.959e5	3.716e5	0.782	1.065	1.050	2537	2687	6.19e6	5.69e6	2441.5	2116.3	NO	bb	bb	102.734
13C-OCDD	45.101	1.233	7.625e5	8.412e5	0.788	0.906	0.890	3243	2707	9.59e6	1.05e7	2957.5	3872.2	NO	bb	bb	212.953
13C-123789-HxCDD	36.588	0.000	5.441e5	4.113e5	1.000	1.323	1.240	2226	2294	8.88e6	6.75e6	3989.4	2943.5	NO	bb	bb	100.000
37CL-2378-TCDD	26.532	1.032	1.096e5		1.233			1635		1.65e6		1009.4			bb		9.045

ID: CS3R2, Name: 23020111, Date: 01-Feb-2023, Time: 21:12:31, Conditions: AUTOSPEC01, User: pk

Compound	RT	RRT	Ion1Area	Ion2Area	RRF	Ratio	Pred R	Noise 1	Noise 2	Height 1	Height 2	S/N 1	S/N 2	EMPC	Int.1	Int.2	pg
1368-TCDF	22.389	0.866	7.606e4	1.001e5	1.064	0.760	0.770	1070	1746	1.19e6	1.52e6	1110.3	869.1	NO	bb	bb	10.001
1289-TCDF	27.378	1.058	6.304e4	8.031e4	0.858	0.785	0.770	1070	1746	9.18e5	1.16e6	858.3	662.3	NO	dd	db	10.103
13468-PECDF	27.242	0.907	4.375e5	2.852e5	1.013	1.534	1.550	920	1180	6.83e6	4.45e6	7421.7	3771.3	NO	bb	bb	48.645
12389-PECDF	32.421	1.080	3.692e5	2.469e5	0.844	1.495	1.550	3113	3215	5.48e6	3.56e6	1760.8	1106.5	NO	bb	bd	49.793
123468-HXCDF	33.335	0.953	3.502e5	2.713e5	1.197	1.291	1.240	2488	2037	5.19e6	4.08e6	2086.3	2002.8	NO	bb	bd	50.610
1368-TCDD	23.659	0.892	5.296e4	6.607e4	1.084	0.802	0.770	1225	1339	8.46e5	1.08e6	690.5	804.7	NO	bb	bb	9.816
1289-TCDD	27.121	1.023	4.842e4	6.049e4	0.975	0.800	0.770	1225	1339	7.05e5	8.85e5	575.4	661.1	NO	bb	bb	9.987
12479-PECDD	28.912	0.914	4.728e5	3.089e5	1.837	1.530	1.550	2693	2242	4.61e6	3.01e6	1713.2	1342.4	NO	bb	bb	49.845
12389-PECDD	32.032	1.013	3.302e5	2.107e5	1.252	1.567	1.550	2693	2242	5.03e6	3.18e6	1869.4	1418.4	NO	bb	bb	50.596
124679-HXCDD	34.104	0.945	2.577e5	2.083e5	1.033	1.237	1.240	3333	2112	4.11e6	3.36e6	1234.1	1592.7	NO	bb	bb	50.624
1234679-HPCDD	39.307	0.974	2.468e5	2.463e5	1.286	1.002	1.050	2651	2455	3.99e6	3.89e6	1503.1	1583.0	NO	bb	bd	49.957
Total-tetrafurans			2.030e5		0.933			1070		3.09e6							30.345
Total-penta1			4.375e5					920		6.83e6							48.645
Total-pentafurans			1.184e6		0.866			3113		1.80e7							158.351
Total-hexafurans			1.709e6		1.208			2488		2.61e7							254.231
Total-heptafurans			5.602e5		1.185			3100		8.75e6							97.972
Total-Furans			4.489e6		1.067			1070		6.75e7							679.989
Total-tetradioxins			2.729e5		1.099			1225		3.70e6							49.674
Total-pentadioxins			1.093e6		1.392			2693		1.41e7							151.752
Total-hexadioxins			1.003e6		1.007			3333		1.65e7							202.708
Total-heptadioxins			4.712e5		1.269			2651		7.39e6							95.457
Total-Dioxins			3.230e6		1.165			1225		4.63e7							592.366
Total-TEQ			7.719e6					1225		1.14e8							1272.355
FUNCTION1 PFK			5.445e5					518107		1.64e7							
FUNCTION2 PFK			0.000e0					179627		0.00e0							
FUNCTION3 PFK			0.000e0					451502		0.00e0							
FUNCTION4 PFK			1.511e5					331096		1.60e6							
FUNCTION5 PFK			9.048e3					184760		4.73e5							
FUNCTION1 HXCD...			1.131e3					606		1.62e4							0.000
FUNCTION1 HPCD...			5.247e2					900		8.84e3							0.000
FUNCTION2 HPCD...			8.476e2					1136		1.98e4							0.000
FUNCTION3 OCDPE			4.428e2					714		7.64e3							0.000
FUNCTION4 NCDPE			0.000e0					982		0.00e0							
FUNCTION5 DCDPE			0.000e0					815		0.00e0							

Method: T:\Autospec\Methods\Dioxin230131IH.mdb 03 Feb 2023 10:31:33
Calibration: T:\Autospec\Curves\230201ICIH.cdb 03 Feb 2023 10:33:40

ID: CS3R2, Name: 23020111, Date: 01-Feb-2023, Time: 21:12:31, Conditions: AUTOSPEC01, User: pk

TF

	Compound	RT	Ion1Area	Ion2Area	RRF	Ratio	Pred R	S/N 1	SNFlag	EMPC	Int.1	Int.2	pg
1	1289-TCDF	27.38	6.304e4	8.031e4	0.858	0.79	0.77	858.3	YES	NO	dd	db	10.103
2	2378-TCDF	25.88	6.336e4	8.393e4	0.876	0.75	0.77	906.6	YES	NO	bb	bb	10.162
3	Total-tetrafurans	24.97	5.535e2	6.624e2	0.933	0.84	0.77	8.4	YES	NO	bb	bb	0.079
4	1368-TCDF	22.39	7.606e4	1.001e5	1.064	0.76	0.77	1110.3	YES	NO	bb	bb	10.001

PP

	Compound	RT	Ion1Area	Ion2Area	RRF	Ratio	Pred R	S/N 1	SNFlag	EMPC	Int.1	Int.2	pg
1	13468-PECDF	27.24	4.375e5	2.852e5	1.013	1.53	1.55	7421.7	YES	NO	bb	bb	48.645

PF

	Compound	RT	Ion1Area	Ion2Area	RRF	Ratio	Pred R	S/N 1	SNFlag	EMPC	Int.1	Int.2	pg
1	Total-pentafurans	28.90	5.868e4	3.904e4	0.866	1.50	1.55	293.6	YES	NO	bb	bb	7.853
2	12389-PECDF	32.42	3.692e5	2.469e5	0.844	1.50	1.55	1760.8	YES	NO	bb	bd	49.793
3	23478-PeCDF	31.39	3.851e5	2.639e5	0.911	1.46	1.55	1913.7	YES	NO	bb	bd	50.684
4	12378-PeCDF	30.05	3.709e5	2.488e5	0.845	1.49	1.55	1826.3	YES	NO	bb	bd	50.020

HF

	Compound	RT	Ion1Area	Ion2Area	RRF	Ratio	Pred R	S/N 1	SNFlag	EMPC	Int.1	Int.2	pg
1	123789-HxCDF	37.01	2.970e5	2.380e5	1.187	1.25	1.24	1910.9	YES	NO	bd	bb	50.440
2	234678-HxCDF	35.99	3.507e5	2.736e5	1.229	1.28	1.24	2188.7	YES	NO	bb	bd	52.648
3	123678-HxCDF	35.13	3.745e5	2.918e5	1.248	1.28	1.24	2174.2	YES	NO	dd	dd	50.908
4	123478-HxCDF	34.99	3.366e5	2.649e5	1.182	1.27	1.24	2136.8	YES	NO	bd	bd	49.625
5	123468-HXCDF	33.33	3.502e5	2.713e5	1.197	1.29	1.24	2086.3	YES	NO	bb	bd	50.610

HPF

	Compound	RT	Ion1Area	Ion2Area	RRF	Ratio	Pred R	S/N 1	SNFlag	EMPC	Int.1	Int.2	pg
1	1234678-HpCDF	38.85	2.932e5	2.919e5	1.204	1.00	1.05	1544.8	YES	NO	bb	bd	48.294
2	1234789-HpCDF	41.10	2.671e5	2.524e5	1.165	1.06	1.05	1278.4	YES	NO	bb	bb	49.677

ID: CS3R2, Name: 23020111, Date: 01-Feb-2023, Time: 21:12:31, Conditions: AUTOSPEC01, User: pk

Furans,TF,PP,PF,HF,HPF,OF

	Compound	RT	Ion1Area	Ion2Area	RRF	Ratio	Pred R	S/N 1	SNFlag	EMPC	Int.1	Int.2	pg
1	1289-TCDF	27.38	6.304e4	8.031e4	0.858	0.79	0.77	858.3	YES	NO	dd	db	10.103
2	2378-TCDF	25.88	6.336e4	8.393e4	0.876	0.75	0.77	906.6	YES	NO	bb	bb	10.162
3	Total-tetrafurans	24.97	5.535e2	6.624e2	0.933	0.84	0.77	8.4	YES	NO	bb	bb	0.079
4	1368-TCDF	22.39	7.606e4	1.001e5	1.064	0.76	0.77	1110.3	YES	NO	bb	bb	10.001
5	Total-pentafurans	28.90	5.868e4	3.904e4	0.866	1.50	1.55	293.6	YES	NO	bb	bb	7.853
6	12389-PECDF	32.42	3.692e5	2.469e5	0.844	1.50	1.55	1760.8	YES	NO	bb	bd	49.793
7	23478-PeCDF	31.39	3.851e5	2.639e5	0.911	1.46	1.55	1913.7	YES	NO	bb	bd	50.684
8	12378-PeCDF	30.05	3.709e5	2.488e5	0.845	1.49	1.55	1826.3	YES	NO	bb	bd	50.020
9	123789-HxCDF	37.01	2.970e5	2.380e5	1.187	1.25	1.24	1910.9	YES	NO	bd	bb	50.440
10	234678-HxCDF	35.99	3.507e5	2.736e5	1.229	1.28	1.24	2188.7	YES	NO	bb	bd	52.648
11	123678-HxCDF	35.13	3.745e5	2.918e5	1.248	1.28	1.24	2174.2	YES	NO	dd	dd	50.908
12	123478-HxCDF	34.99	3.366e5	2.649e5	1.182	1.27	1.24	2136.8	YES	NO	bd	bd	49.625
13	123468-HXCDF	33.33	3.502e5	2.713e5	1.197	1.29	1.24	2086.3	YES	NO	bb	bd	50.610
14	1234678-HpCDF	38.85	2.932e5	2.919e5	1.204	1.00	1.05	1544.8	YES	NO	bb	bd	48.294
15	1234789-HpCDF	41.10	2.671e5	2.524e5	1.165	1.06	1.05	1278.4	YES	NO	bb	bb	49.677
16	OCDF	45.36	3.958e5	4.645e5	1.186	0.85	0.89	3247.1	YES	NO	bb	bd	90.445
17	13468-PECDF	27.24	4.375e5	2.852e5	1.013	1.53	1.55	7421.7	YES	NO	bb	bb	48.645

TD

	Compound	RT	Ion1Area	Ion2Area	RRF	Ratio	Pred R	S/N 1	SNFlag	EMPC	Int.1	Int.2	pg
1	2378-TCDD	26.53	5.892e4	7.101e4	1.236	0.83	0.77	727.0	YES	NO	dd	bb	9.397
2	Total-tetradioxins	26.21	8.373e4	1.038e5	1.099	0.81	0.77	673.5	YES	NO	bd	bb	15.262
3	Total-tetradioxins	25.72	2.649e4	3.214e4	1.099	0.82	0.77	333.6	YES	NO	bb	bb	4.772
4	Total-tetradioxins	24.85	2.420e3	2.985e3	1.099	0.81	0.77	19.9	YES	NO	bb	bb	0.440
5	1368-TCDD	23.66	5.296e4	6.607e4	1.084	0.80	0.77	690.5	YES	NO	bb	bb	9.816
6	1289-TCDD	27.12	4.842e4	6.049e4	0.975	0.80	0.77	575.4	YES	NO	bb	bb	9.987

PD

	Compound	RT	Ion1Area	Ion2Area	RRF	Ratio	Pred R	S/N 1	SNFlag	EMPC	Int.1	Int.2	pg
1	12479-PECDD	28.91	4.728e5	3.089e5	1.837	1.53	1.55	1713.2	YES	NO	bb	bb	49.845
2	12389-PECDD	32.03	3.302e5	2.107e5	1.252	1.57	1.55	1869.4	YES	NO	bb	bb	50.596
3	12378-PeCDD	31.64	2.888e5	1.854e5	1.087	1.56	1.55	1647.5	YES	NO	bb	bb	51.126
4	Total-pentadioxins	30.97	1.315e3	8.851e2	1.392	1.49	1.55	7.1	YES	NO	bb	bb	0.185

ID: CS3R2, Name: 23020111, Date: 01-Feb-2023, Time: 21:12:31, Conditions: AUTOSPEC01, User: pk

HD

	Compound	RT	Ion1Area	Ion2Area	RRF	Ratio	Pred R	S/N 1	SNFlag	EMPC	Int.1	Int.2	pg
1	123789-HxCDD	36.61	2.491e5	2.029e5	0.985	1.23	1.24	1216.5	YES	NO	bb	bb	50.610
2	123678-HxCDD	36.22	2.536e5	2.261e5	1.021	1.12	1.24	1248.0	YES	NO	db	db	51.010
3	123478-HxCDD	36.11	2.420e5	2.004e5	0.987	1.21	1.24	1245.4	YES	NO	bd	bd	50.303
4	Total-hexadioxins	34.86	7.769e2	6.946e2	1.007	1.12	1.24	3.9	YES	NO	bd	bb	0.161
5	124679-HXCDD	34.10	2.577e5	2.083e5	1.033	1.24	1.24	1234.1	YES	NO	bb	bb	50.624

HPD

	Compound	RT	Ion1Area	Ion2Area	RRF	Ratio	Pred R	S/N 1	SNFlag	EMPC	Int.1	Int.2	pg
1	1234679-HPCDD	39.31	2.468e5	2.463e5	1.286	1.00	1.05	1503.1	YES	NO	bb	bd	49.957
2	1234678-HpCDD	40.35	2.244e5	2.131e5	1.253	1.05	1.05	1286.0	YES	NO	bb	bb	45.500

Dioxins,TD,PD,HD,HPD,OD

	Compound	RT	Ion1Area	Ion2Area	RRF	Ratio	Pred R	S/N 1	SNFlag	EMPC	Int.1	Int.2	pg
1	2378-TCDD	26.53	5.892e4	7.101e4	1.236	0.83	0.77	727.0	YES	NO	dd	bb	9.397
2	Total-tetradioxins	26.21	8.373e4	1.038e5	1.099	0.81	0.77	673.5	YES	NO	bd	bb	15.262
3	Total-tetradioxins	25.72	2.649e4	3.214e4	1.099	0.82	0.77	333.6	YES	NO	bb	bb	4.772
4	Total-tetradioxins	24.85	2.420e3	2.985e3	1.099	0.81	0.77	19.9	YES	NO	bb	bb	0.440
5	1368-TCDD	23.66	5.296e4	6.607e4	1.084	0.80	0.77	690.5	YES	NO	bb	bb	9.816
6	12479-PECDD	28.91	4.728e5	3.089e5	1.837	1.53	1.55	1713.2	YES	NO	bb	bb	49.845
7	1289-TCDD	27.12	4.842e4	6.049e4	0.975	0.80	0.77	575.4	YES	NO	bb	bb	9.987
8	12389-PECDD	32.03	3.302e5	2.107e5	1.252	1.57	1.55	1869.4	YES	NO	bb	bb	50.596
9	12378-PeCDD	31.64	2.888e5	1.854e5	1.087	1.56	1.55	1647.5	YES	NO	bb	bb	51.126
10	Total-pentadioxins	30.97	1.315e3	8.851e2	1.392	1.49	1.55	7.1	YES	NO	bb	bb	0.185
11	123789-HxCDD	36.61	2.491e5	2.029e5	0.985	1.23	1.24	1216.5	YES	NO	bb	bb	50.610
12	123678-HxCDD	36.22	2.536e5	2.261e5	1.021	1.12	1.24	1248.0	YES	NO	db	db	51.010
13	123478-HxCDD	36.11	2.420e5	2.004e5	0.987	1.21	1.24	1245.4	YES	NO	bd	bd	50.303
14	Total-hexadioxins	34.86	7.769e2	6.946e2	1.007	1.12	1.24	3.9	YES	NO	bd	bb	0.161
15	124679-HXCDD	34.10	2.577e5	2.083e5	1.033	1.24	1.24	1234.1	YES	NO	bb	bb	50.624
16	1234679-HPCDD	39.31	2.468e5	2.463e5	1.286	1.00	1.05	1503.1	YES	NO	bb	bd	49.957
17	1234678-HpCDD	40.35	2.244e5	2.131e5	1.253	1.05	1.05	1286.0	YES	NO	bb	bb	45.500
18	OCDD	45.12	3.894e5	4.309e5	1.103	0.90	0.89	2068.3	YES	NO	bd	bb	92.775

ID: CS3R2, Name: 23020111, Date: 01-Feb-2023, Time: 21:12:31, Conditions: AUTOSPEC01, User: pk

TotalTEQ,Furans,Dioxins

	Compound	RT	Ion1Area	Ion2Area	RRF	Ratio	Pred R	S/N 1	SNFlag	EMPC	Int.1	Int.2	pg
1	1289-TCDF	27.38	6.304e4	8.031e4	0.858	0.79	0.77	858.3	YES	NO	dd	db	10.103
2	2378-TCDF	25.88	6.336e4	8.393e4	0.876	0.75	0.77	906.6	YES	NO	bb	bb	10.162
3	Total-tetrafurans	24.97	5.535e2	6.624e2	0.933	0.84	0.77	8.4	YES	NO	bb	bb	0.079
4	1368-TCDF	22.39	7.606e4	1.001e5	1.064	0.76	0.77	1110.3	YES	NO	bb	bb	10.001
5	Total-pentafurans	28.90	5.868e4	3.904e4	0.866	1.50	1.55	293.6	YES	NO	bb	bb	7.853
6	12389-PECDF	32.42	3.692e5	2.469e5	0.844	1.50	1.55	1760.8	YES	NO	bb	bd	49.793
7	23478-PeCDF	31.39	3.851e5	2.639e5	0.911	1.46	1.55	1913.7	YES	NO	bb	bd	50.684
8	12378-PeCDF	30.05	3.709e5	2.488e5	0.845	1.49	1.55	1826.3	YES	NO	bb	bd	50.020
9	123789-HxCDF	37.01	2.970e5	2.380e5	1.187	1.25	1.24	1910.9	YES	NO	bd	bb	50.440
10	234678-HxCDF	35.99	3.507e5	2.736e5	1.229	1.28	1.24	2188.7	YES	NO	bb	bd	52.648
11	123678-HxCDF	35.13	3.745e5	2.918e5	1.248	1.28	1.24	2174.2	YES	NO	dd	dd	50.908
12	123478-HxCDF	34.99	3.366e5	2.649e5	1.182	1.27	1.24	2136.8	YES	NO	bd	bd	49.625
13	123468-HXCDF	33.33	3.502e5	2.713e5	1.197	1.29	1.24	2086.3	YES	NO	bb	bd	50.610
14	1234678-HpCDF	38.85	2.932e5	2.919e5	1.204	1.00	1.05	1544.8	YES	NO	bb	bd	48.294
15	1234789-HpCDF	41.10	2.671e5	2.524e5	1.165	1.06	1.05	1278.4	YES	NO	bb	bb	49.677
16	OCDF	45.36	3.958e5	4.645e5	1.186	0.85	0.89	3247.1	YES	NO	bb	bd	90.445
17	13468-PECDF	27.24	4.375e5	2.852e5	1.013	1.53	1.55	7421.7	YES	NO	bb	bb	48.645
18	2378-TCDD	26.53	5.892e4	7.101e4	1.236	0.83	0.77	727.0	YES	NO	dd	bb	9.397
19	Total-tetradioxins	26.21	8.373e4	1.038e5	1.099	0.81	0.77	673.5	YES	NO	bd	bb	15.262
20	Total-tetradioxins	25.72	2.649e4	3.214e4	1.099	0.82	0.77	333.6	YES	NO	bb	bb	4.772
21	Total-tetradioxins	24.85	2.420e3	2.985e3	1.099	0.81	0.77	19.9	YES	NO	bb	bb	0.440
22	1368-TCDD	23.66	5.296e4	6.607e4	1.084	0.80	0.77	690.5	YES	NO	bb	bb	9.816
23	12479-PECDD	28.91	4.728e5	3.089e5	1.837	1.53	1.55	1713.2	YES	NO	bb	bb	49.845
24	1289-TCDD	27.12	4.842e4	6.049e4	0.975	0.80	0.77	575.4	YES	NO	bb	bb	9.987
25	12389-PECDD	32.03	3.302e5	2.107e5	1.252	1.57	1.55	1869.4	YES	NO	bb	bb	50.596
26	12378-PeCDD	31.64	2.888e5	1.854e5	1.087	1.56	1.55	1647.5	YES	NO	bb	bb	51.126
27	Total-pentadioxins	30.97	1.315e3	8.851e2	1.392	1.49	1.55	7.1	YES	NO	bb	bb	0.185
28	123789-HxCDD	36.61	2.491e5	2.029e5	0.985	1.23	1.24	1216.5	YES	NO	bb	bb	50.610
29	123678-HxCDD	36.22	2.536e5	2.261e5	1.021	1.12	1.24	1248.0	YES	NO	db	db	51.010
30	123478-HxCDD	36.11	2.420e5	2.004e5	0.987	1.21	1.24	1245.4	YES	NO	bd	bd	50.303
31	Total-hexadioxins	34.86	7.769e2	6.946e2	1.007	1.12	1.24	3.9	YES	NO	bd	bb	0.161
32	124679-HXCDD	34.10	2.577e5	2.083e5	1.033	1.24	1.24	1234.1	YES	NO	bb	bb	50.624
33	1234679-HPCDD	39.31	2.468e5	2.463e5	1.286	1.00	1.05	1503.1	YES	NO	bb	bd	49.957
34	1234678-HpCDD	40.35	2.244e5	2.131e5	1.253	1.05	1.05	1286.0	YES	NO	bb	bb	45.500
35	OCDD	45.12	3.894e5	4.309e5	1.103	0.90	0.89	2068.3	YES	NO	bd	bb	92.775

ID: CS3R2, Name: 23020111, Date: 01-Feb-2023, Time: 21:12:31, Conditions: AUTOSPEC01, User: pk

PFK1

	Compound	RT	Ion1Area	Ion2Area	RRF	Ratio	Pred R	S/N 1	SNFlag	EMPC	Int.1	Int.2	pg
1	FUNCTION1 PFK	23.43	3.727e4					1.3	NO		bb		
2	FUNCTION1 PFK	23.18	1.916e4					1.1	NO		bb		
3	FUNCTION1 PFK	22.75	3.142e3					0.4	NO		bb		
4	FUNCTION1 PFK	22.69	1.169e4					0.7	NO		bb		
5	FUNCTION1 PFK	22.63	7.039e3					0.6	NO		bb		
6	FUNCTION1 PFK	22.57	1.283e4					0.8	NO		db		
7	FUNCTION1 PFK	22.51	2.158e4					1.2	NO		bd		
8	FUNCTION1 PFK	22.36	1.134e4					0.8	NO		bb		
9	FUNCTION1 PFK	22.22	4.269e4					1.3	NO		bb		
10	FUNCTION1 PFK	22.10	3.052e4					1.6	NO		bb		
11	FUNCTION1 PFK	21.62	2.765e4					1.4	NO		bb		
12	FUNCTION1 PFK	21.54	1.965e4					1.2	NO		bb		
13	FUNCTION1 PFK	21.48	1.090e4					0.8	NO		bb		
14	FUNCTION1 PFK	21.29	3.708e4					1.3	NO		bb		
15	FUNCTION1 PFK	26.79	7.221e3					0.6	NO		bb		
16	FUNCTION1 PFK	26.49	8.249e3					0.4	NO		bb		
17	FUNCTION1 PFK	26.41	9.337e3					0.7	NO		db		
18	FUNCTION1 PFK	26.35	9.113e3					0.6	NO		bd		
19	FUNCTION1 PFK	26.15	5.974e3					0.5	NO		bb		
20	FUNCTION1 PFK	26.09	1.716e4					0.9	NO		bb		
21	FUNCTION1 PFK	25.96	1.452e4					1.0	NO		bb		
22	FUNCTION1 PFK	25.59	3.325e3					0.4	NO		bb		
23	FUNCTION1 PFK	25.34	4.402e3					0.6	NO		bb		
24	FUNCTION1 PFK	24.87	9.404e3					0.7	NO		bb		
25	FUNCTION1 PFK	24.75	2.747e4					1.4	NO		bb		
26	FUNCTION1 PFK	24.35	3.959e3					0.5	NO		bb		
27	FUNCTION1 PFK	24.04	7.708e3					0.6	NO		bb		
28	FUNCTION1 PFK	23.69	6.646e3					0.9	NO		bb		
29	FUNCTION1 PFK	23.63	5.706e3					0.6	NO		db		
30	FUNCTION1 PFK	23.57	2.430e4					1.1	NO		bd		
31	FUNCTION1 PFK	28.10	1.253e4					0.8	NO		bb		
32	FUNCTION1 PFK	28.03	8.849e3					0.7	NO		bb		
33	FUNCTION1 PFK	27.95	1.020e4					0.7	NO		bb		
34	FUNCTION1 PFK	27.88	1.726e4					1.1	NO		bb		
35	FUNCTION1 PFK	27.76	3.581e3					0.5	NO		bb		
36	FUNCTION1 PFK	27.41	1.709e4					1.1	NO		bb		
37	FUNCTION1 PFK	27.26	1.794e4					1.0	NO		bb		

ID: CS3R2, Name: 23020111, Date: 01-Feb-2023, Time: 21:12:31, Conditions: AUTOSPEC01, User: pk

PFK2

	Compound	RT	Ion1Area	Ion2Area	RRF	Ratio	Pred R	S/N 1	SNFlag	EMPC	Int.1	Int.2	pg
1													

PFK3

	Compound	RT	Ion1Area	Ion2Area	RRF	Ratio	Pred R	S/N 1	SNFlag	EMPC	Int.1	Int.2	pg
1													

PFK4

	Compound	RT	Ion1Area	Ion2Area	RRF	Ratio	Pred R	S/N 1	SNFlag	EMPC	Int.1	Int.2	pg
1	FUNCTION4 PFK	38.07	1.511e5					4.8	YES		bb		

PFK5

	Compound	RT	Ion1Area	Ion2Area	RRF	Ratio	Pred R	S/N 1	SNFlag	EMPC	Int.1	Int.2	pg
1	FUNCTION5 PFK	44.55	2.727e3					1.0	NO		bb		
2	FUNCTION5 PFK	43.63	6.321e3					1.6	NO		bb		

ETHERS1

	Compound	RT	Ion1Area	Ion2Area	RRF	Ratio	Pred R	S/N 1	SNFlag	EMPC	Int.1	Int.2	pg
1	FUNCTION1 HXCD...	21.22	7.029e1					2.0	NO		bb		0.000
2	FUNCTION1 HXCD...	27.79	7.872e1					1.6	NO		bb		0.000
3	FUNCTION1 HXCD...	27.44	8.510e1					1.7	NO		bb		0.000
4	FUNCTION1 HXCD...	27.24	1.425e2					4.1	YES		bb		0.000
5	FUNCTION1 HXCD...	26.86	9.476e1					2.1	NO		bb		0.000
6	FUNCTION1 HXCD...	26.52	1.068e2					2.9	NO		bb		0.000
7	FUNCTION1 HXCD...	24.76	1.755e2					3.8	YES		db		0.000
8	FUNCTION1 HXCD...	24.66	1.713e2					3.1	YES		bd		0.000
9	FUNCTION1 HXCD...	22.65	7.687e1					2.7	NO		bb		0.000
10	FUNCTION1 HXCD...	21.59	1.290e2					2.9	NO		bb		0.000

ID: CS3R2, Name: 23020111, Date: 01-Feb-2023, Time: 21:12:31, Conditions: AUTOSPEC01, User: pk

ETHERS2

	Compound	RT	Ion1Area	Ion2Area	RRF	Ratio	Pred R	S/N 1	SNFlag	EMPC	Int.1	Int.2	pg
1	FUNCTION1 HPCD...	28.01	1.182e2					1.3	NO		bb		0.000
2	FUNCTION1 HPCD...	26.91	1.043e2					2.5	NO		bb		0.000
3	FUNCTION1 HPCD...	26.31	8.865e1					2.0	NO		bb		0.000
4	FUNCTION1 HPCD...	24.76	1.293e2					2.4	NO		bb		0.000
5	FUNCTION1 HPCD...	22.60	8.433e1					1.6	NO		bb		0.000

ETHERS3

	Compound	RT	Ion1Area	Ion2Area	RRF	Ratio	Pred R	S/N 1	SNFlag	EMPC	Int.1	Int.2	pg
1	FUNCTION2 HPCD...	32.44	1.012e2					2.5	NO		bb		0.000
2	FUNCTION2 HPCD...	31.41	1.119e2					1.8	NO		db		0.000
3	FUNCTION2 HPCD...	31.27	2.407e2					5.1	YES		bd		0.000
4	FUNCTION2 HPCD...	30.62	8.382e1					2.0	NO		db		0.000
5	FUNCTION2 HPCD...	30.52	8.939e1					1.4	NO		bd		0.000
6	FUNCTION2 HPCD...	28.80	1.157e2					1.7	NO		bb		0.000
7	FUNCTION2 HPCD...	28.49	1.048e2					3.0	NO		bb		0.000

ETHERS4

	Compound	RT	Ion1Area	Ion2Area	RRF	Ratio	Pred R	S/N 1	SNFlag	EMPC	Int.1	Int.2	pg
1	FUNCTION3 OCDPE	35.99	8.499e1					2.5	NO		bb		0.000
2	FUNCTION3 OCDPE	34.37	1.004e2					2.7	NO		bb		0.000
3	FUNCTION3 OCDPE	33.49	7.795e1					2.6	NO		bb		0.000
4	FUNCTION3 OCDPE	33.13	1.794e2					2.9	NO		bb		0.000

ETHERS5

	Compound	RT	Ion1Area	Ion2Area	RRF	Ratio	Pred R	S/N 1	SNFlag	EMPC	Int.1	Int.2	pg
1													

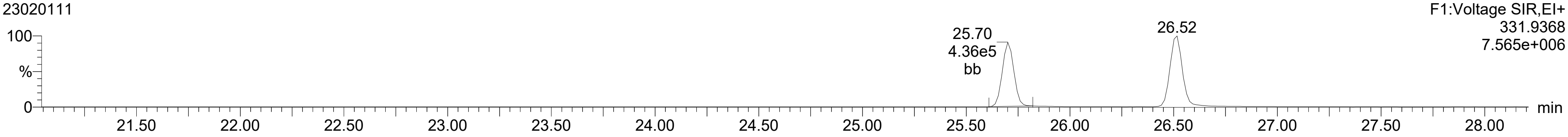
ETHERS6

	Compound	RT	Ion1Area	Ion2Area	RRF	Ratio	Pred R	S/N 1	SNFlag	EMPC	Int.1	Int.2	pg
1													

Method: T:\Autospec\Methods\Dioxin230131IH.mdb 03 Feb 2023 10:31:33
Calibration: T:\Autospec\Curves\230201ICIH.cdb 03 Feb 2023 10:33:40

ID: CS3R2, Name: 23020111, Date: 01-Feb-2023, Time: 21:12:31, Conditions: AUTOSPEC01, User: pk

13C-1234-TCDD



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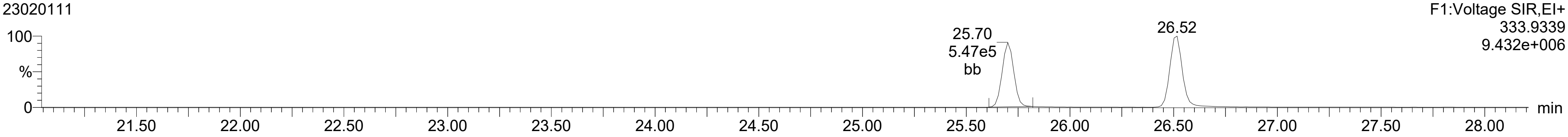
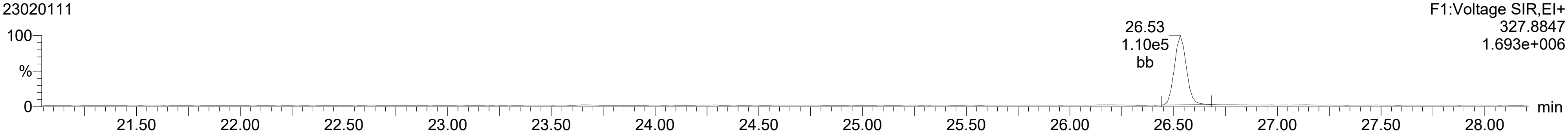


37CL-2378-TCDD



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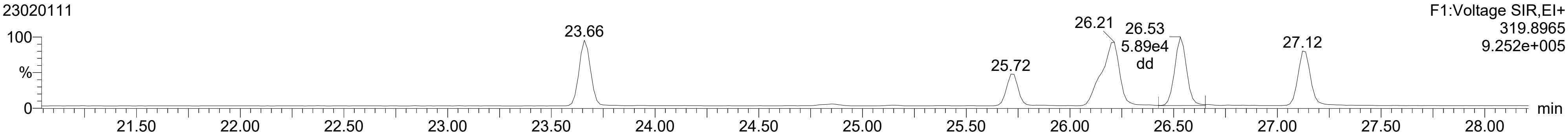
2378-TCDD



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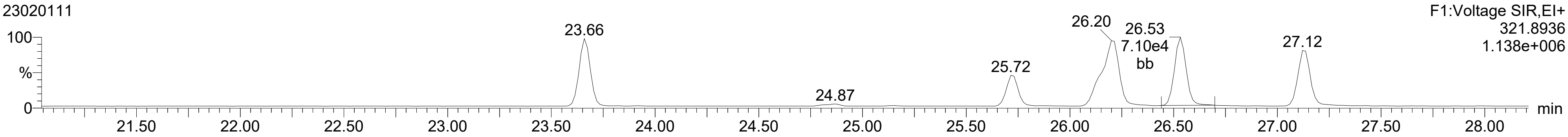

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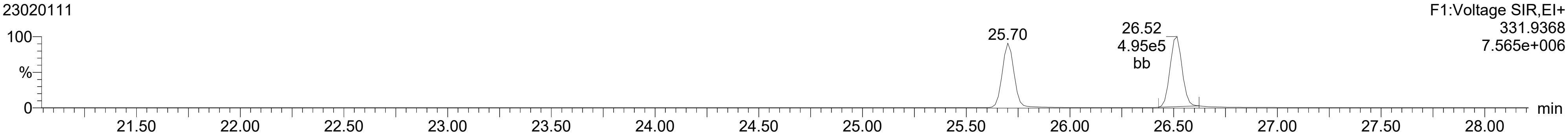

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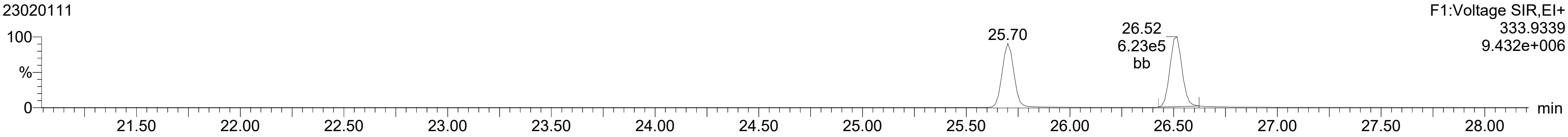

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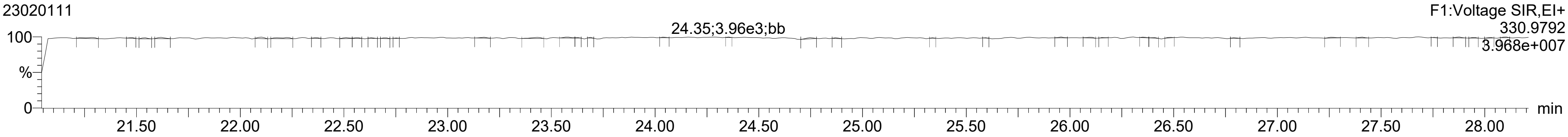

ID: CS3R2, Name: 23020111, Date: 01-Feb-2023, Time: 21:12:31, Conditions: AUTOSPEC01, User: pk

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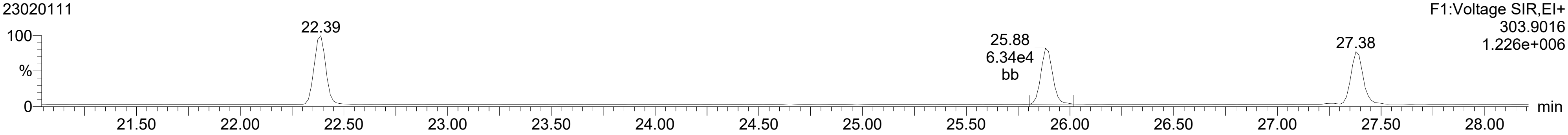

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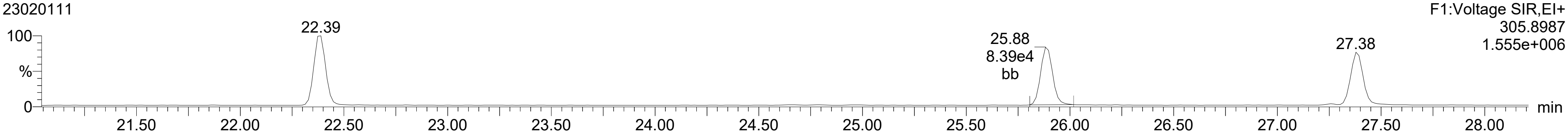

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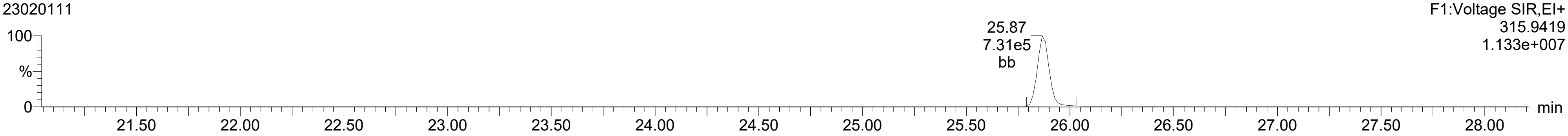

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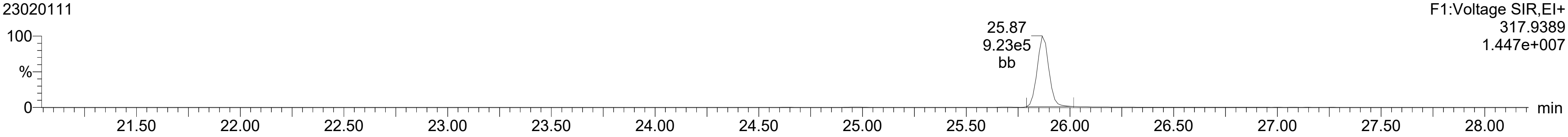
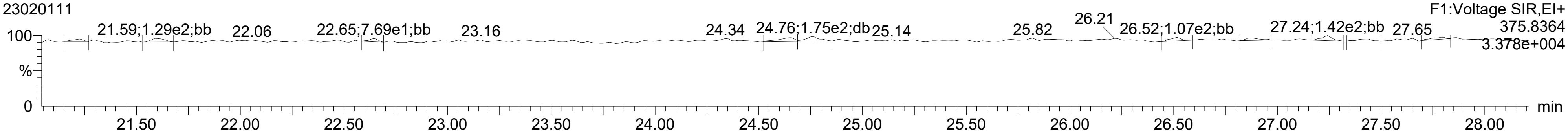


FUNCTION1 HXCDPE



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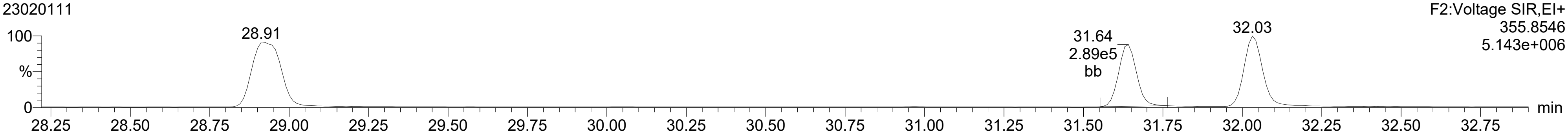
12378-PeCDD



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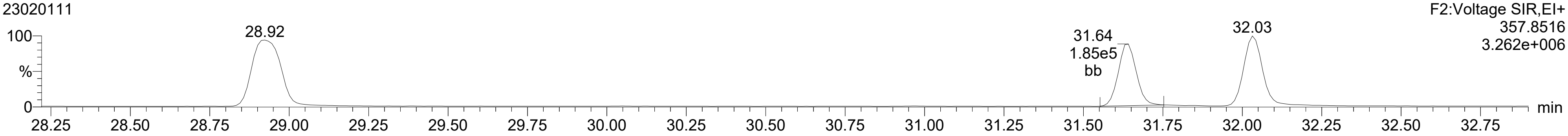

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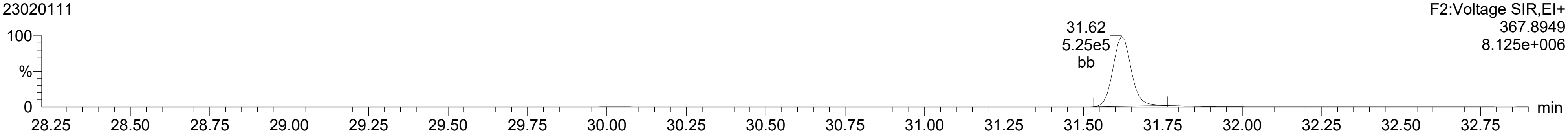

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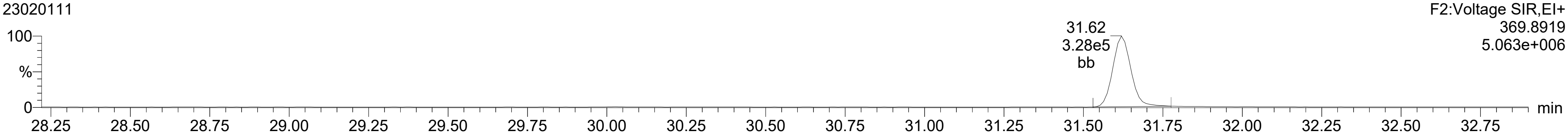
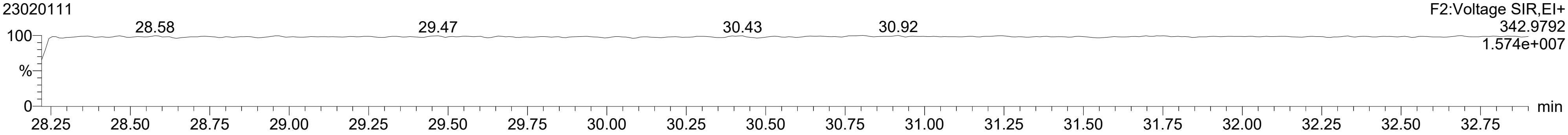


FUNCTION2 PFK



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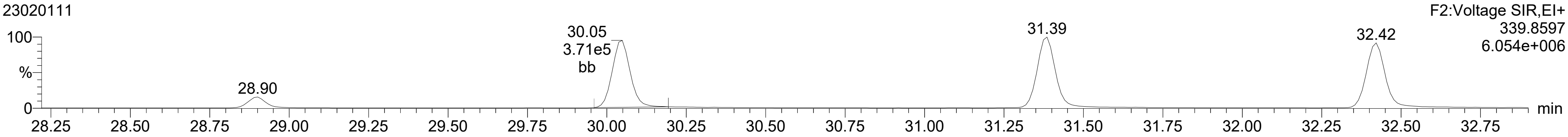

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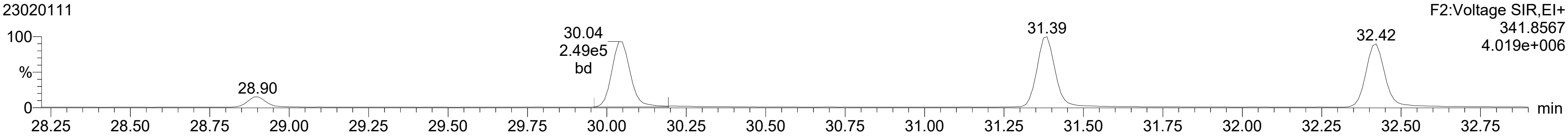

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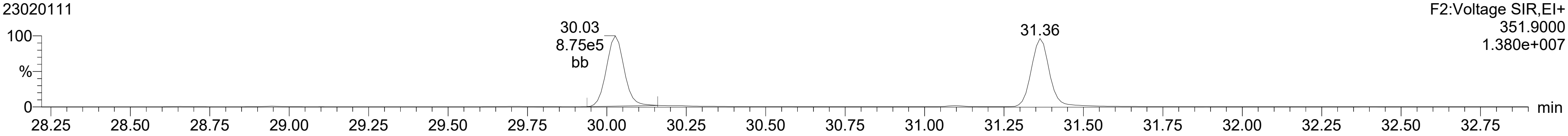

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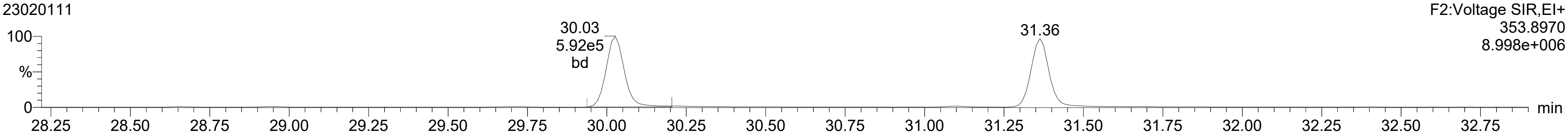

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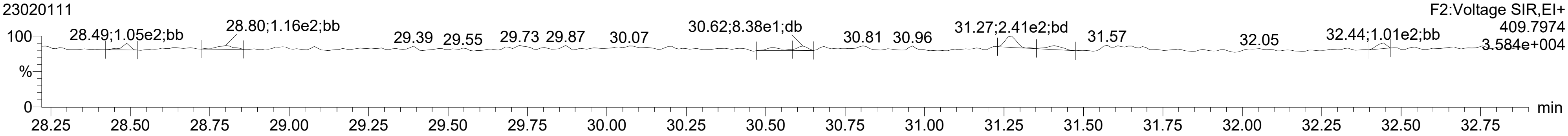

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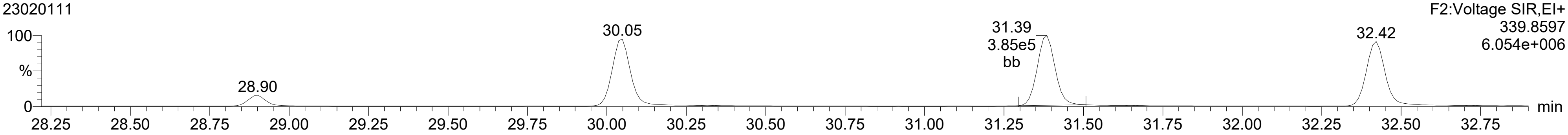
23478-PeCDF



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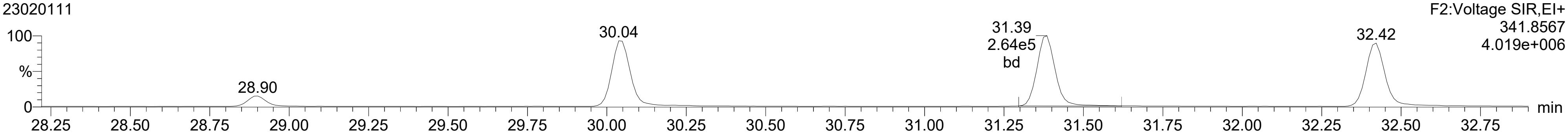

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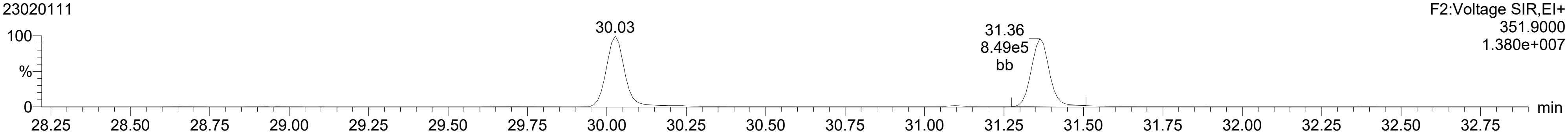

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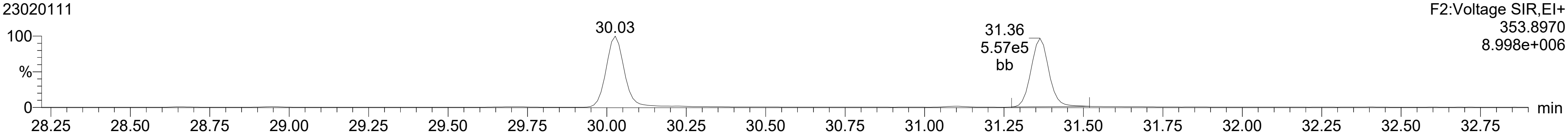

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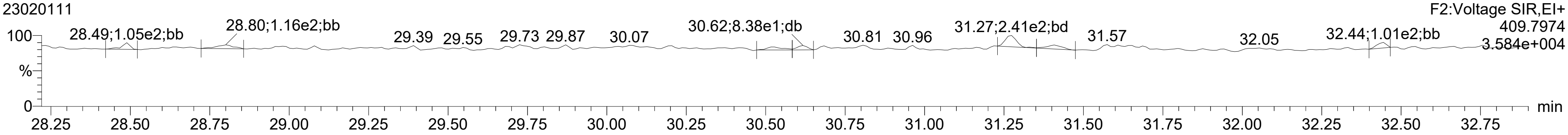

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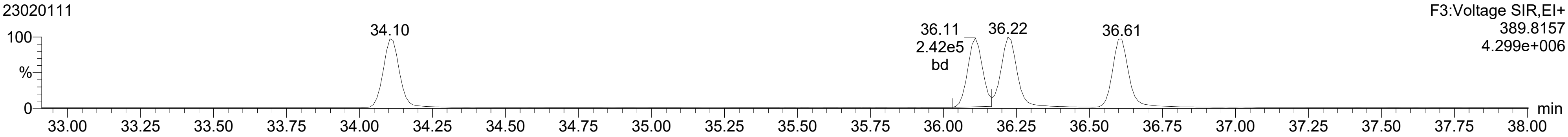
123478-HxCDD



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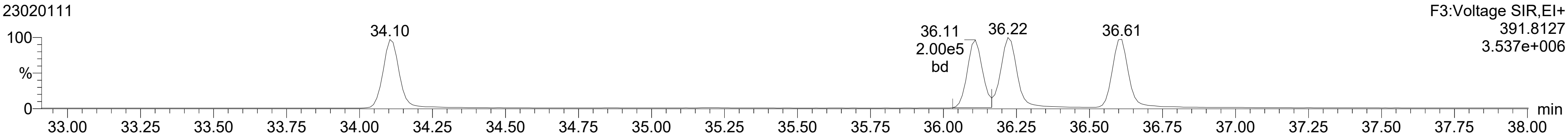

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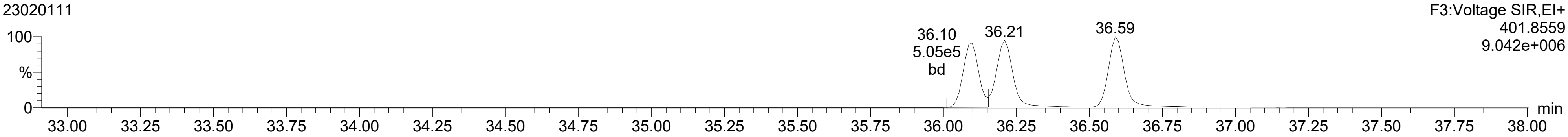

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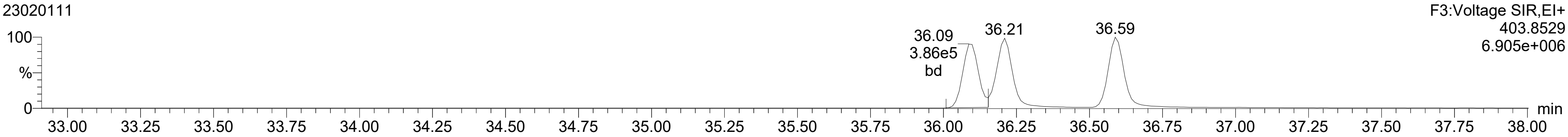
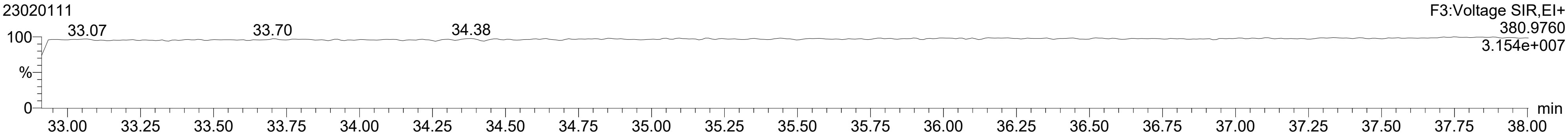


FUNCTION3 PFK



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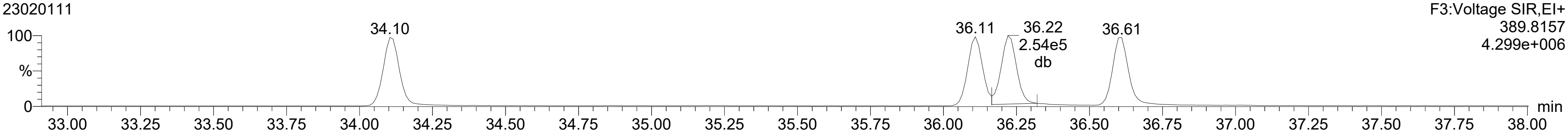
123678-HxCDD



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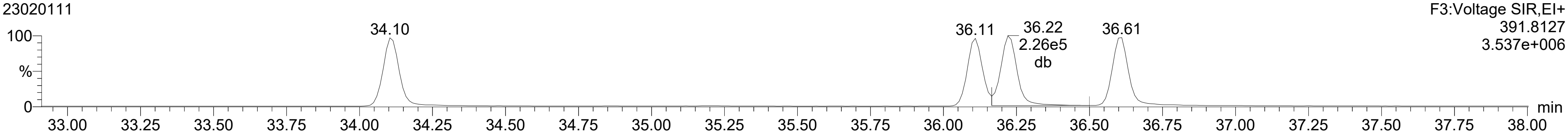

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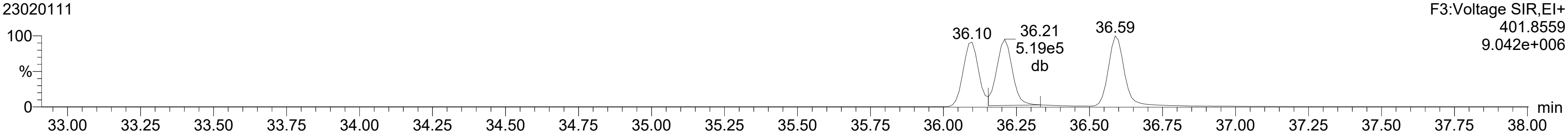

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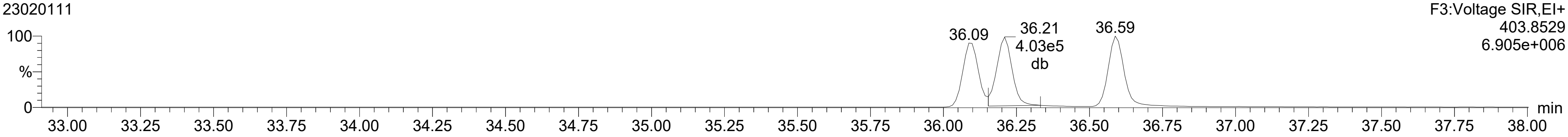

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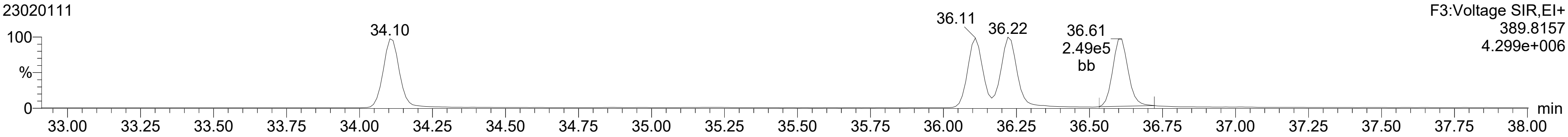
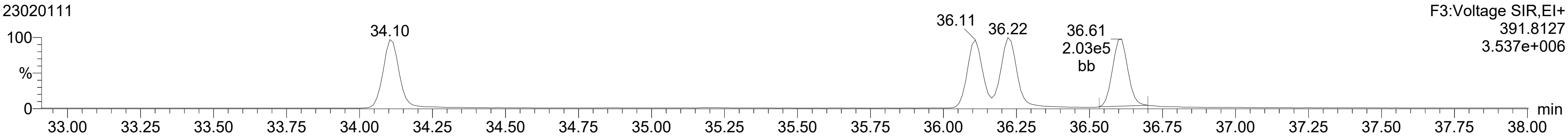
123789-HxCDD



123789-HxCDD



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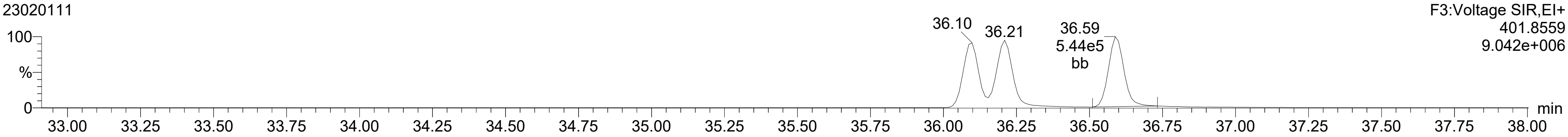

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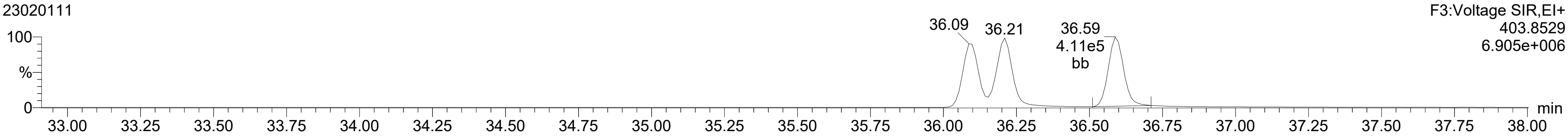

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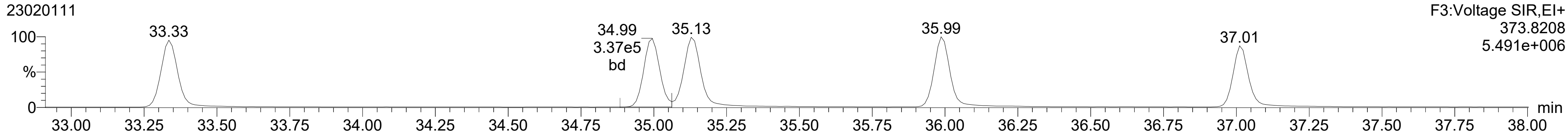
123478-HxCDF



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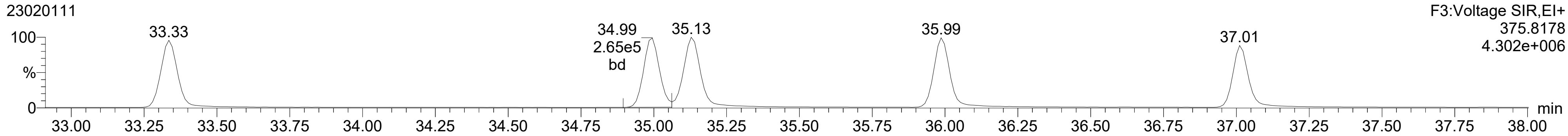

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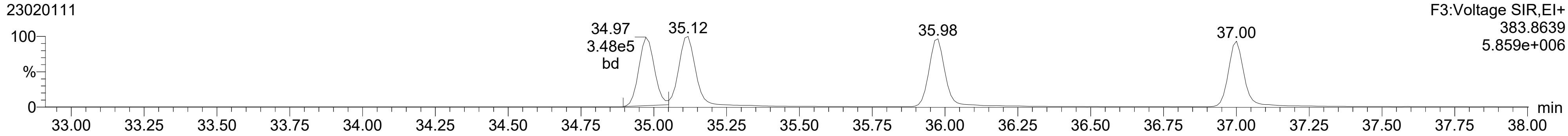

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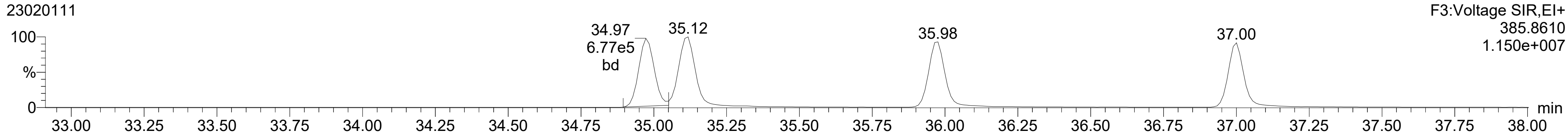

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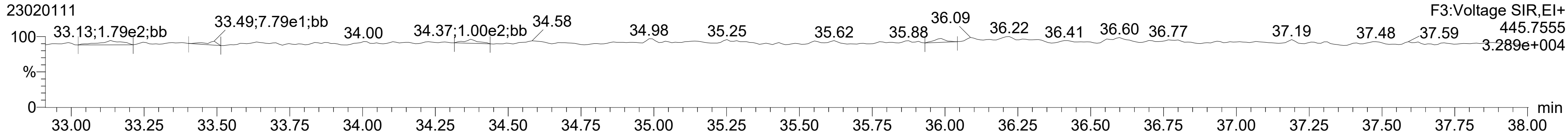

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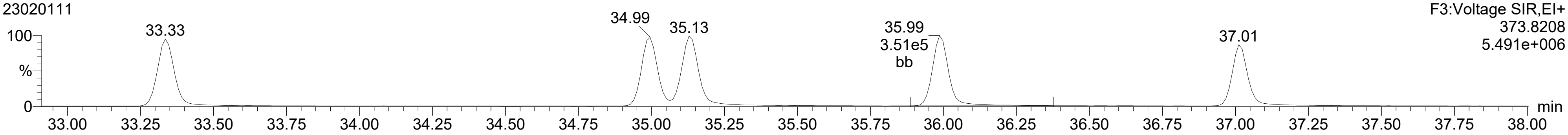

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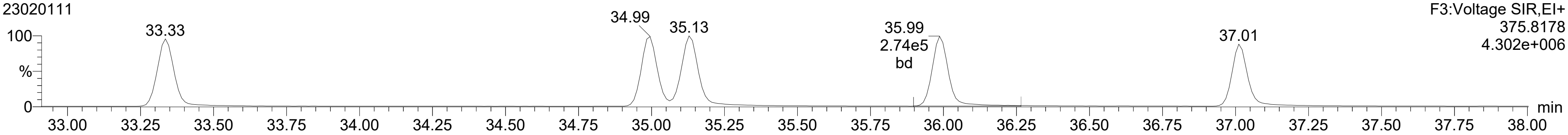

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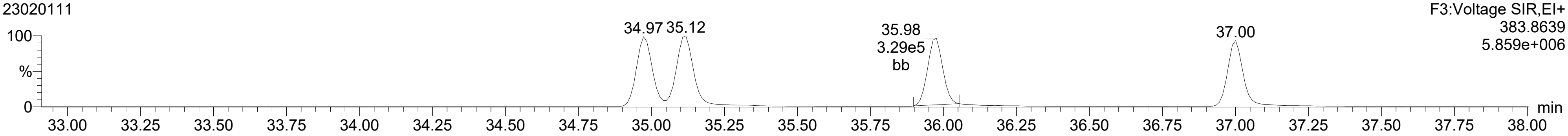

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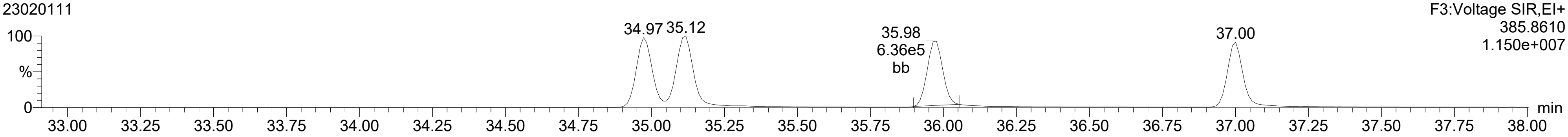

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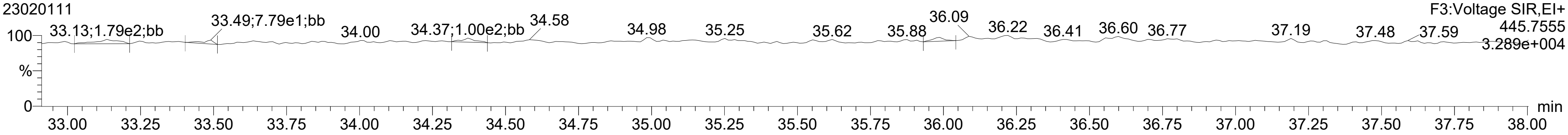

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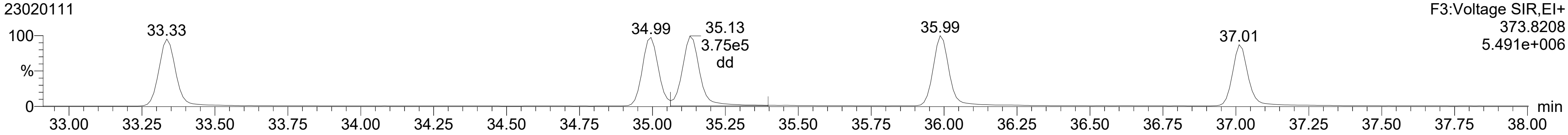

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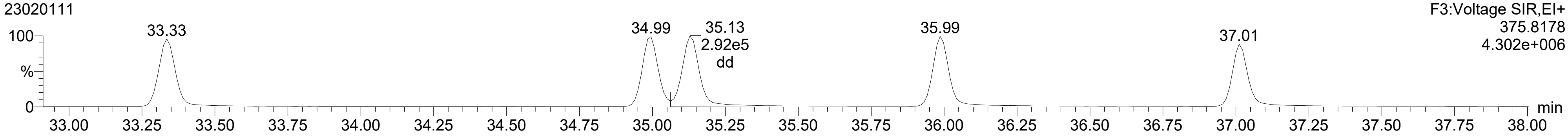

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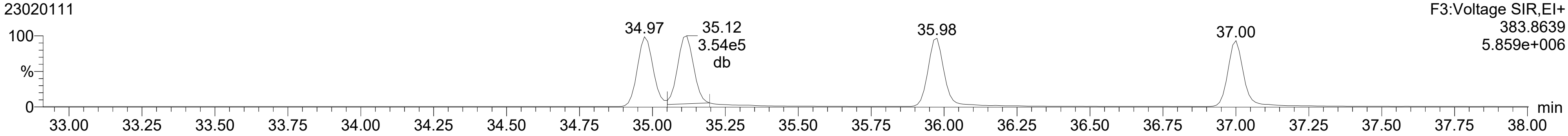

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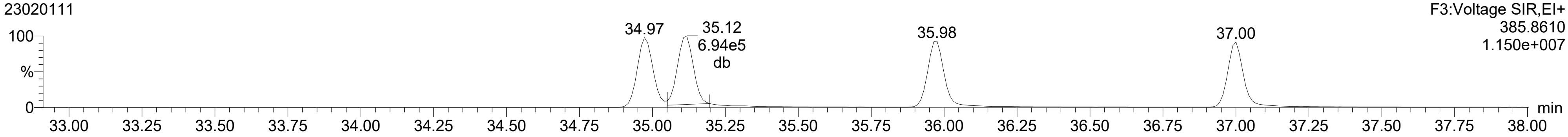

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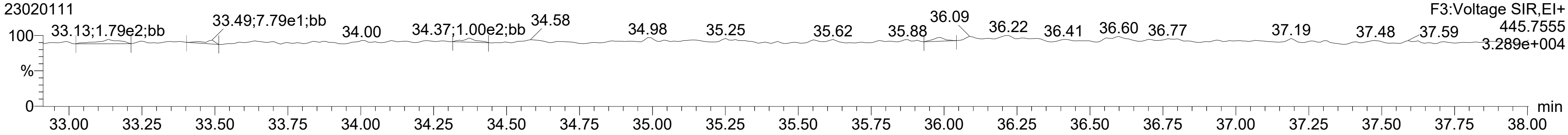

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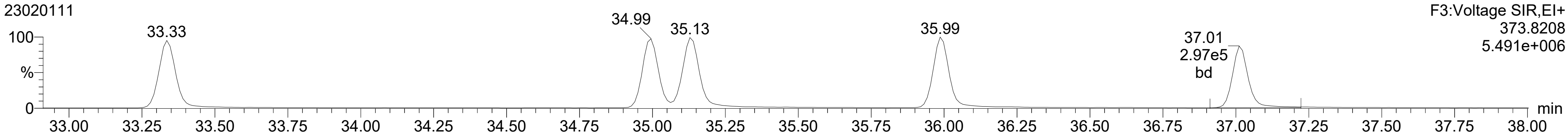

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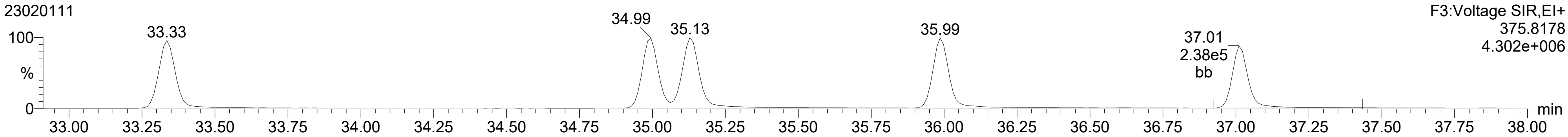

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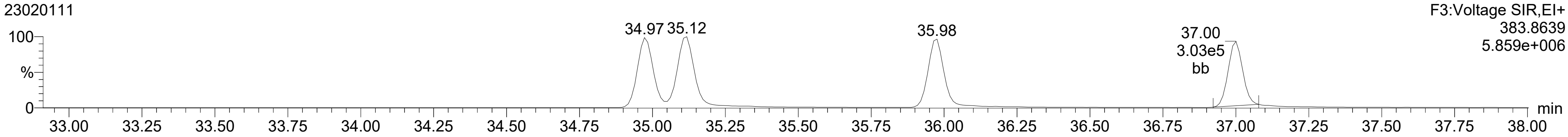

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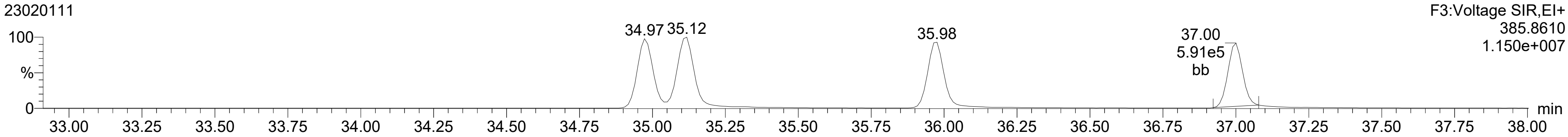

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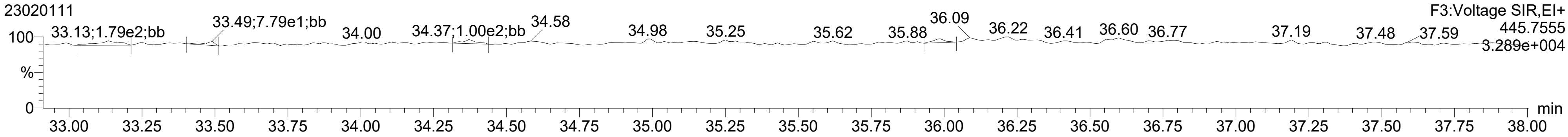

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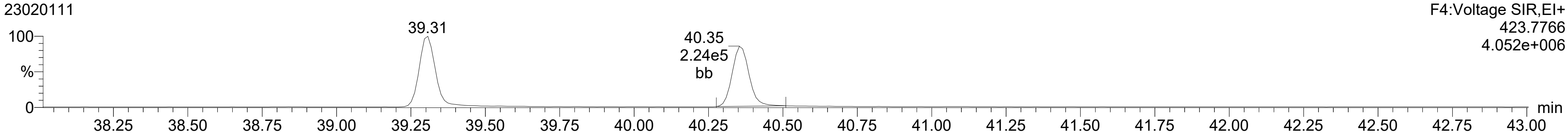

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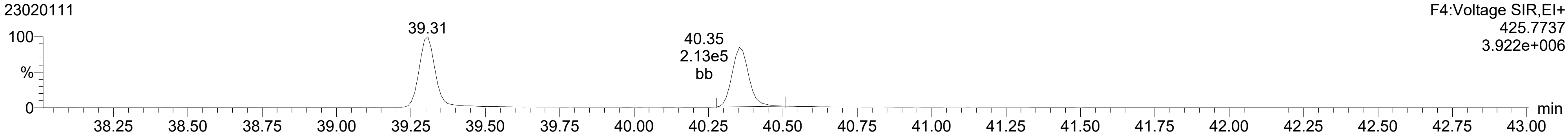

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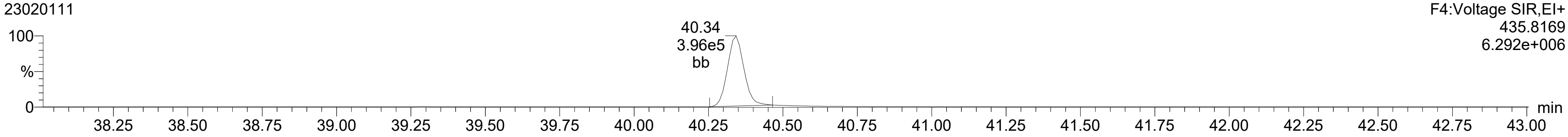

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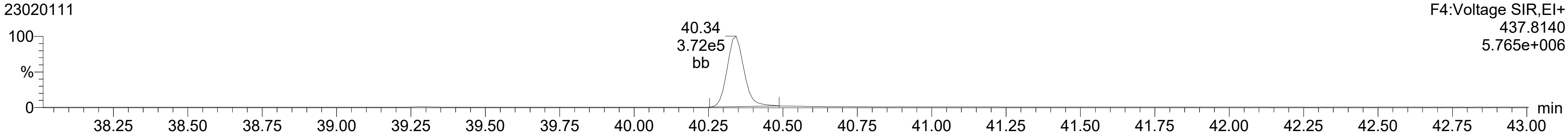

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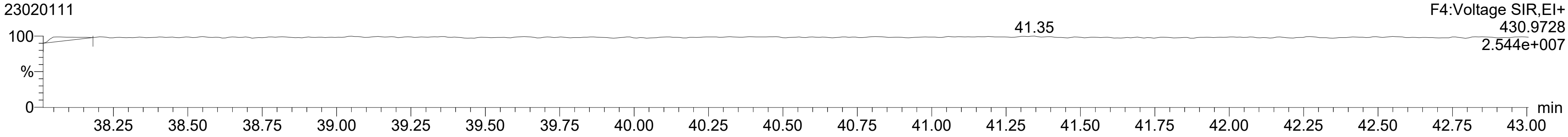

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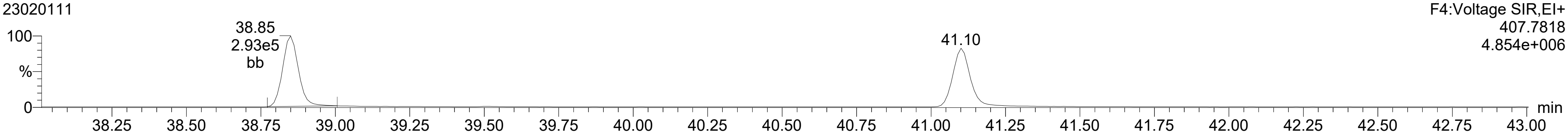

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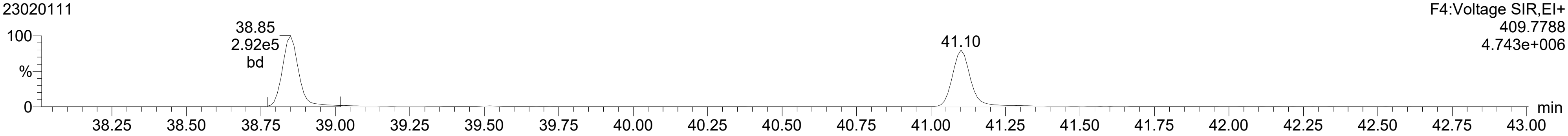

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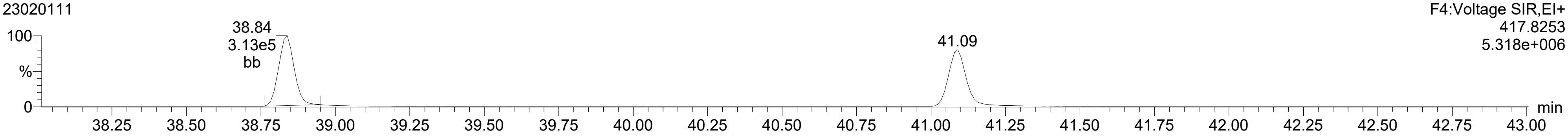

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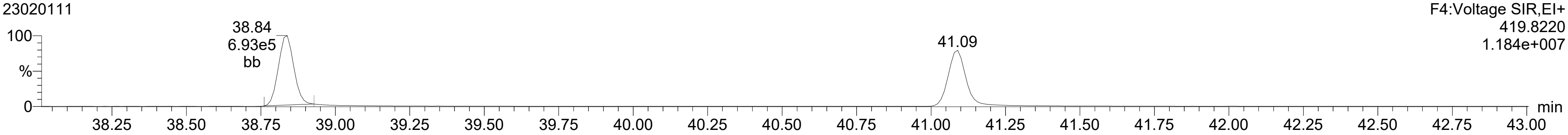

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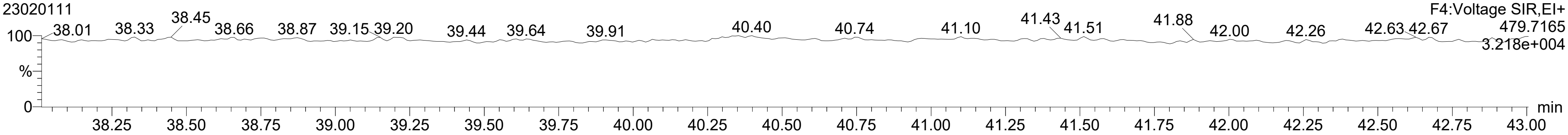

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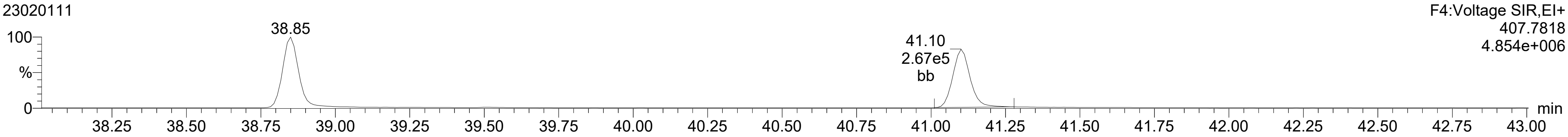

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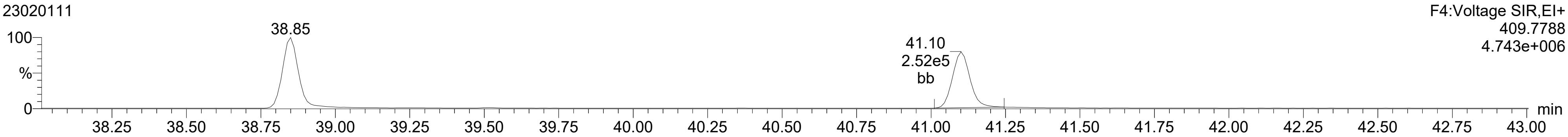

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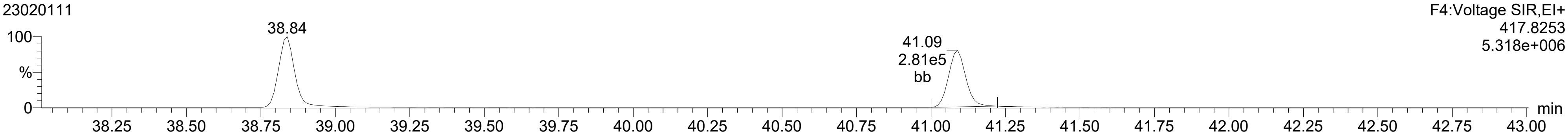

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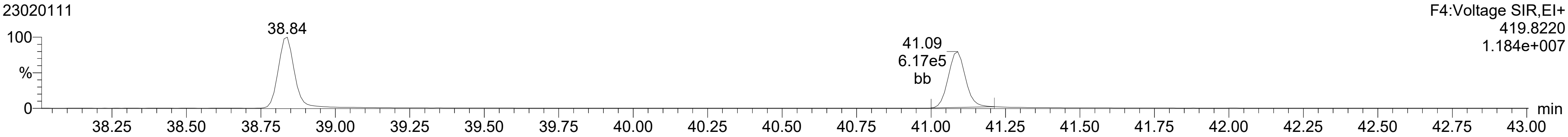

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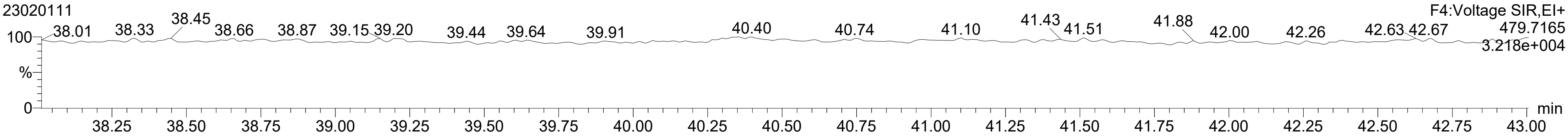

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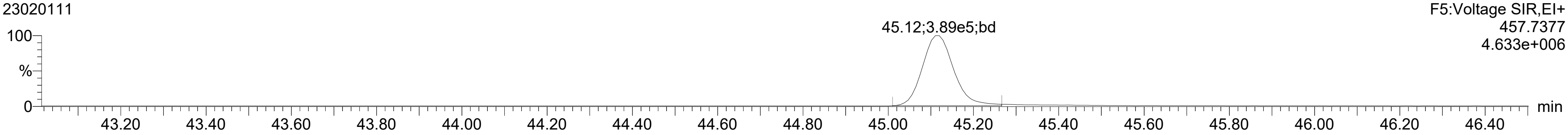

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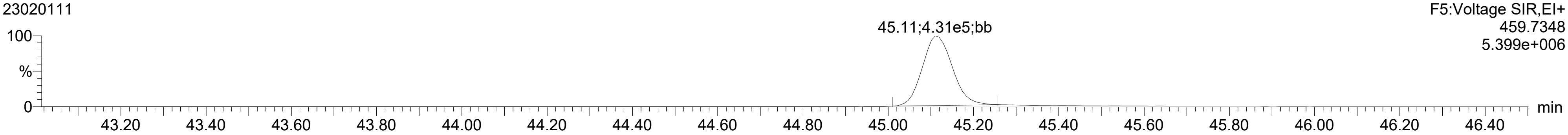

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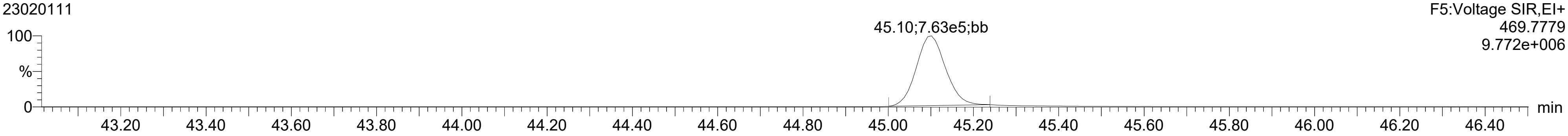

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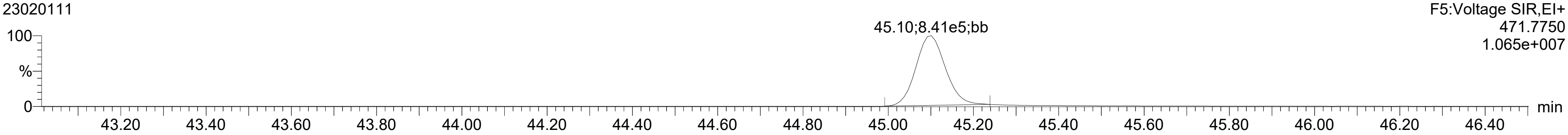

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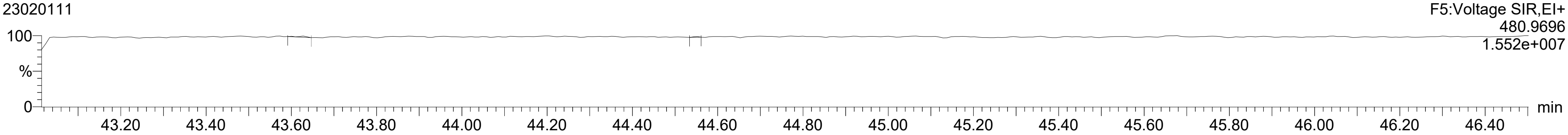

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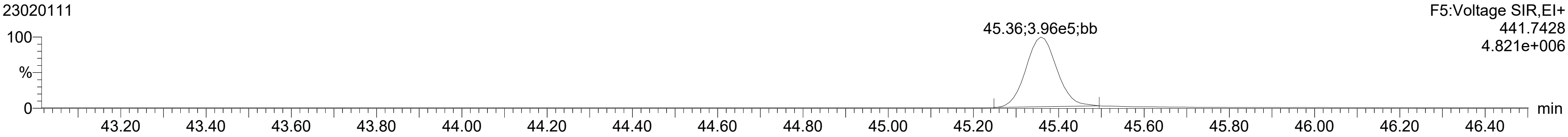

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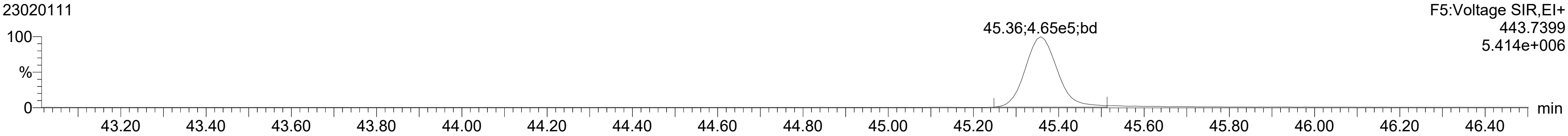

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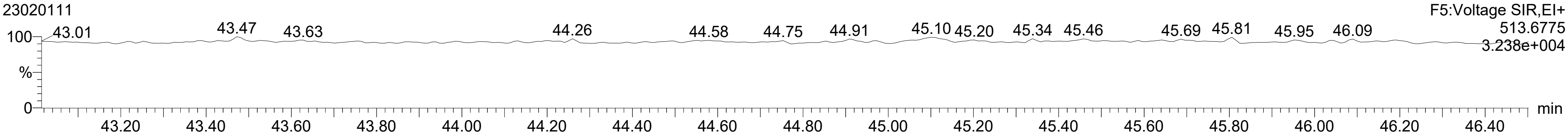

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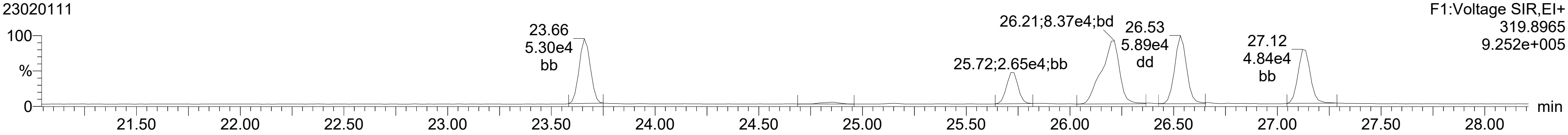

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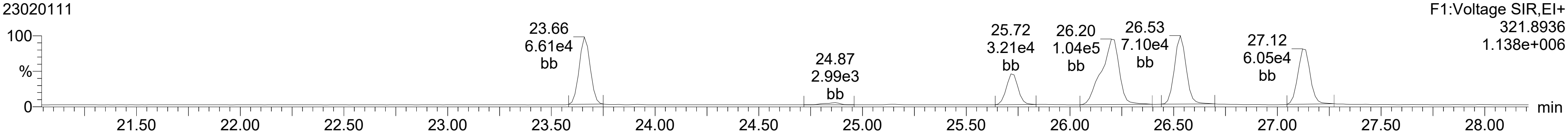

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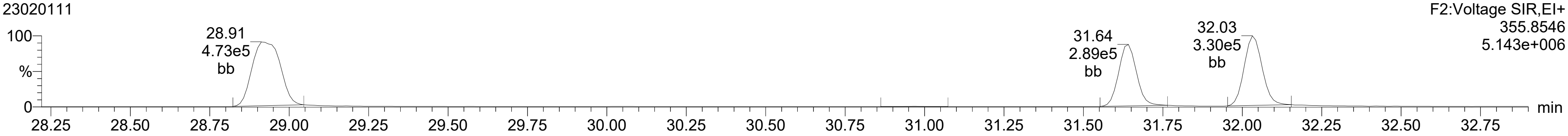

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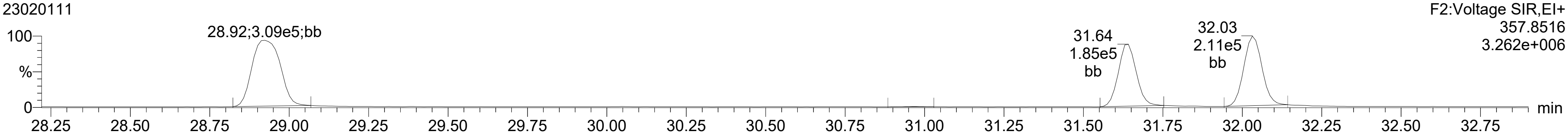

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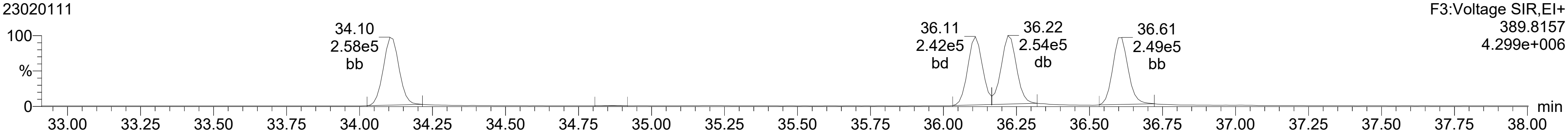

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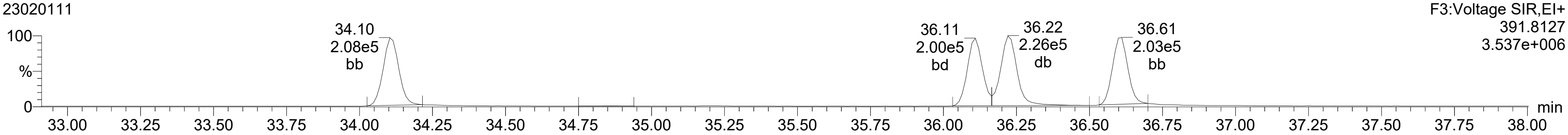

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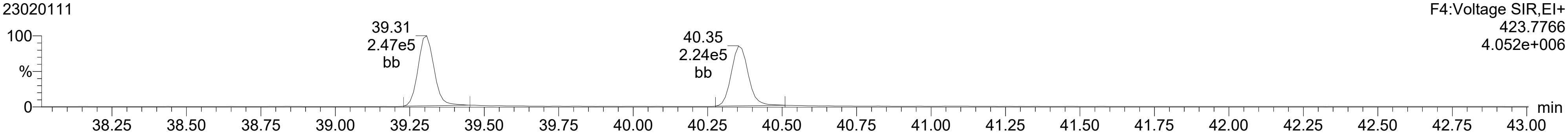

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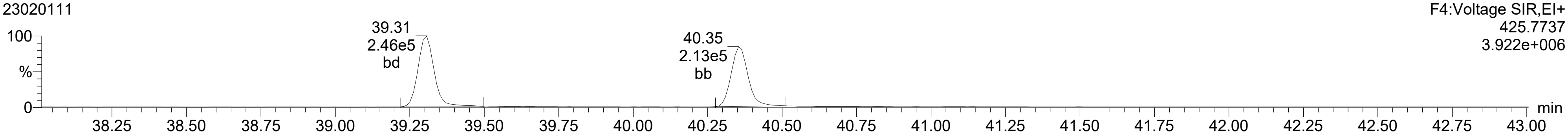

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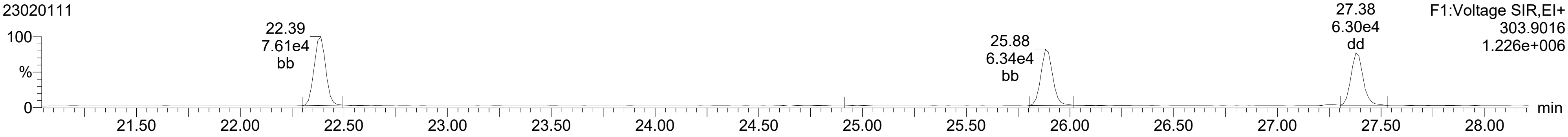
Total-tetrafurans



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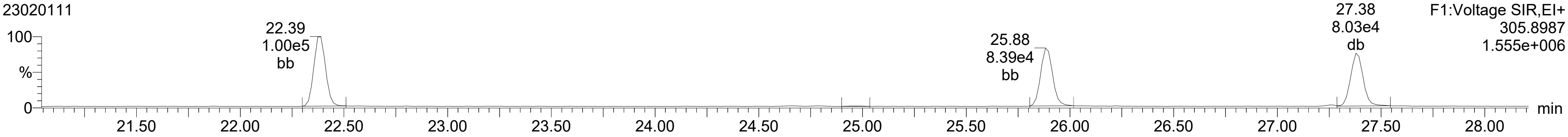

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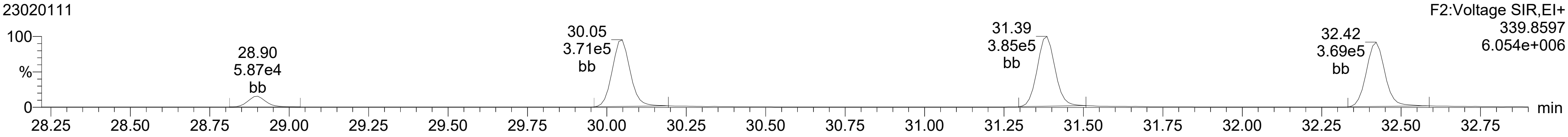

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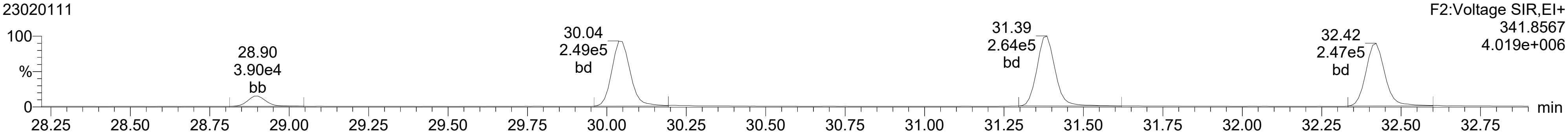

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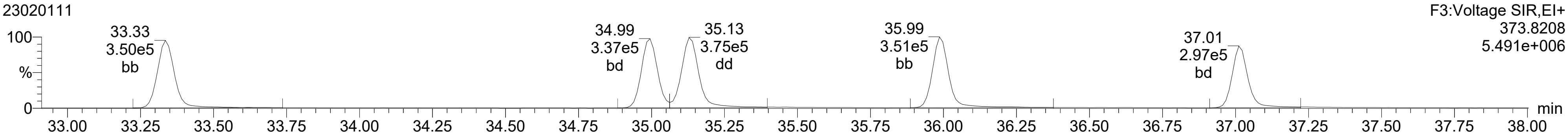

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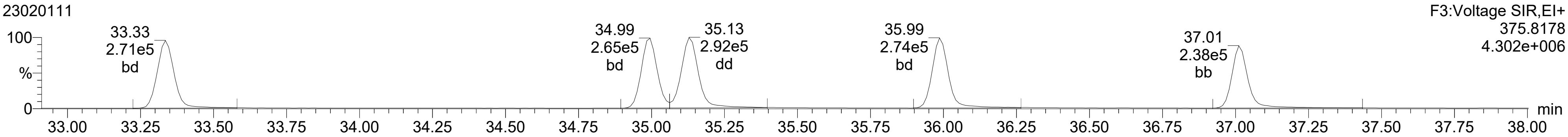

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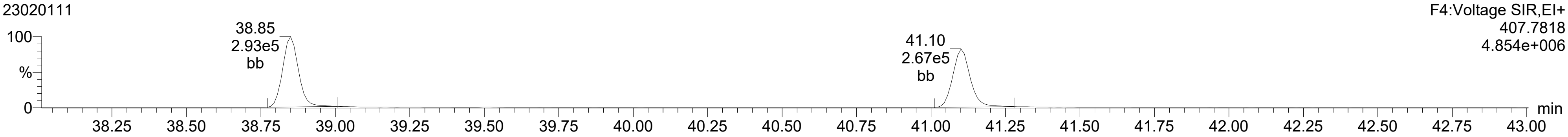

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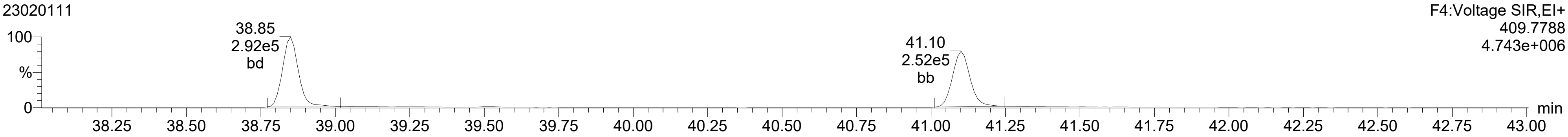

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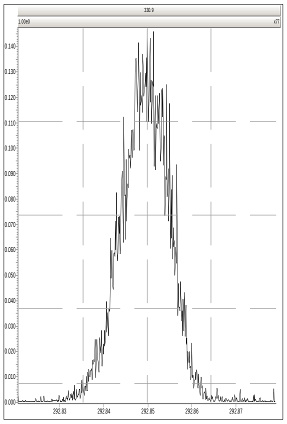

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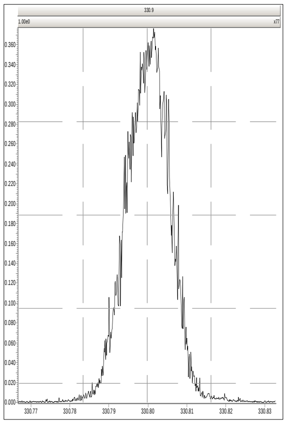

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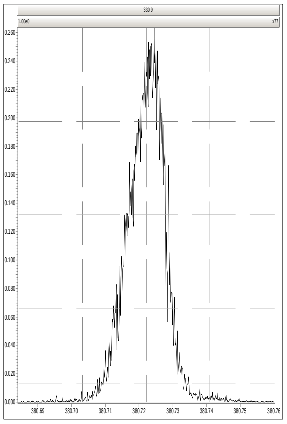

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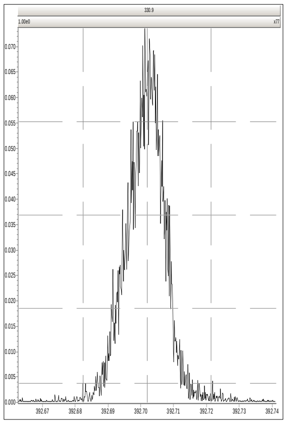

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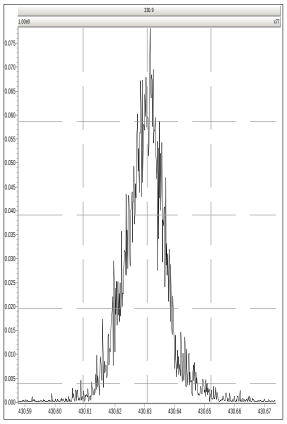

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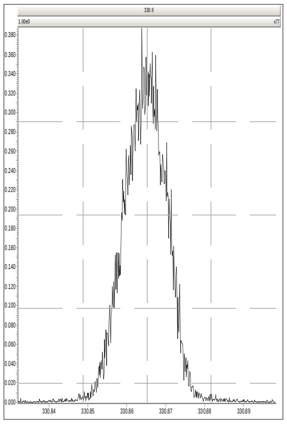

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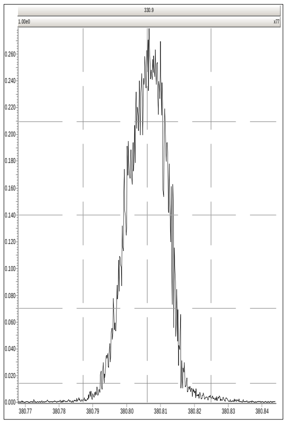
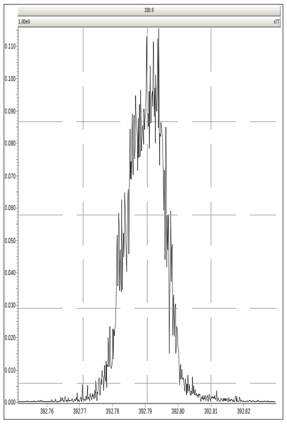
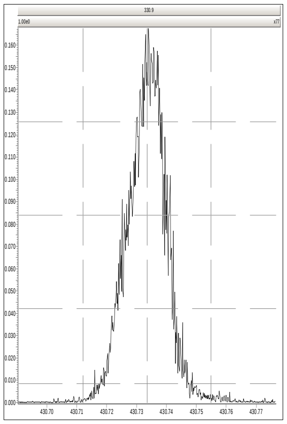


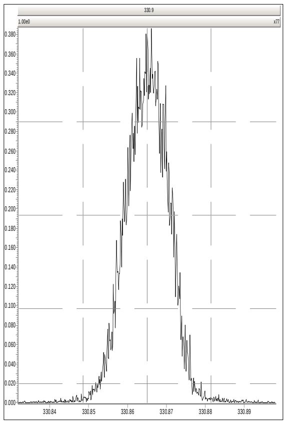
M 392.9760 R 16556



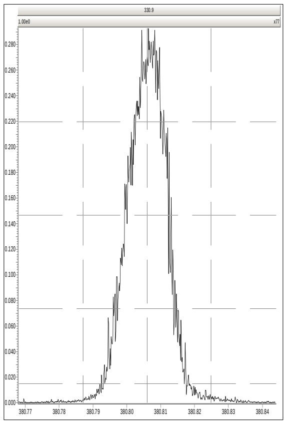
M 430.9728 R 15530



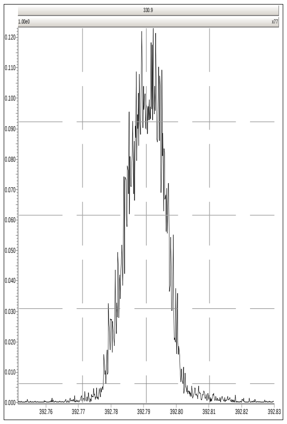
M 330.9792 R 13930



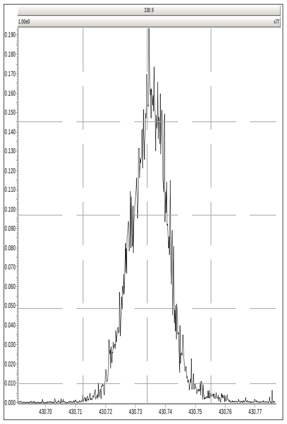
M 380.9760 R 16041



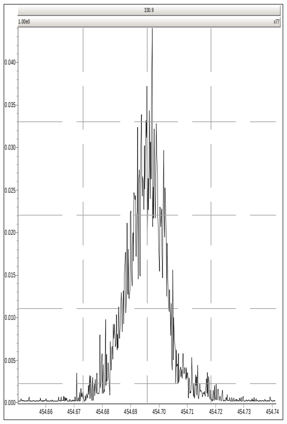
M 392.9760 R 15772



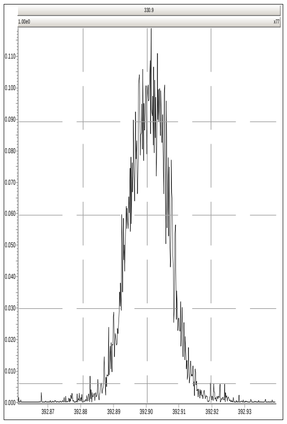
M 430.9728 R 15290



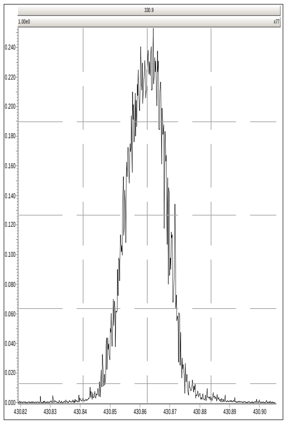
M 454.9728 R 14970



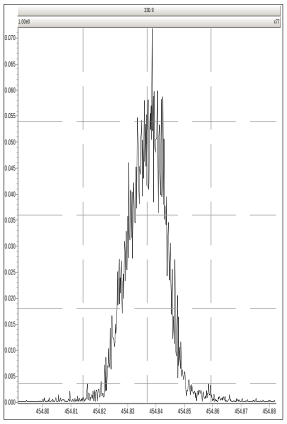
M 392.9760 R 15030



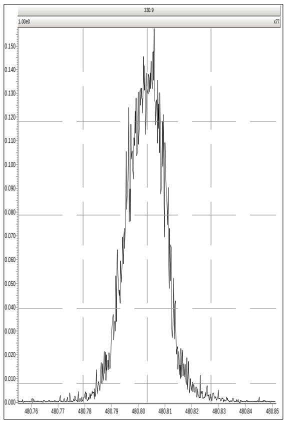
M 430.9728 R 15892



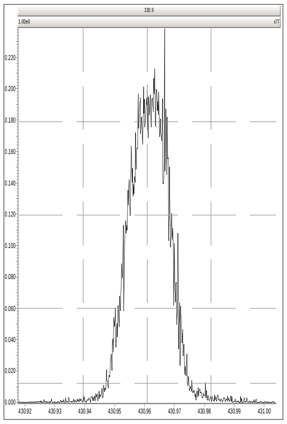
M 454.9728 R 15556



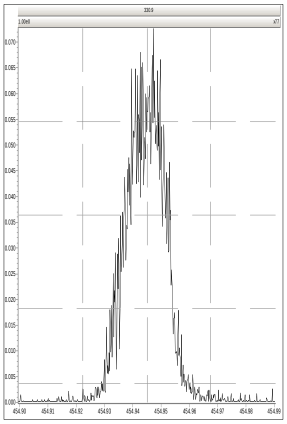
M 480.9696 R 15064



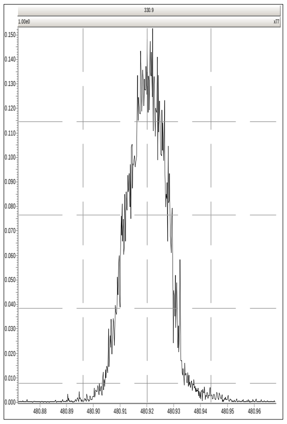
M 430.9728 R 15337



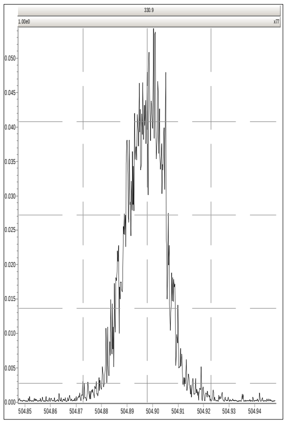
M 454.9728 R 16464



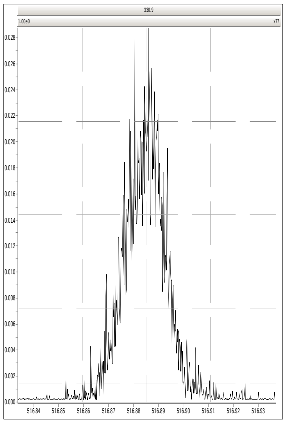
M 480.9696 R 15156

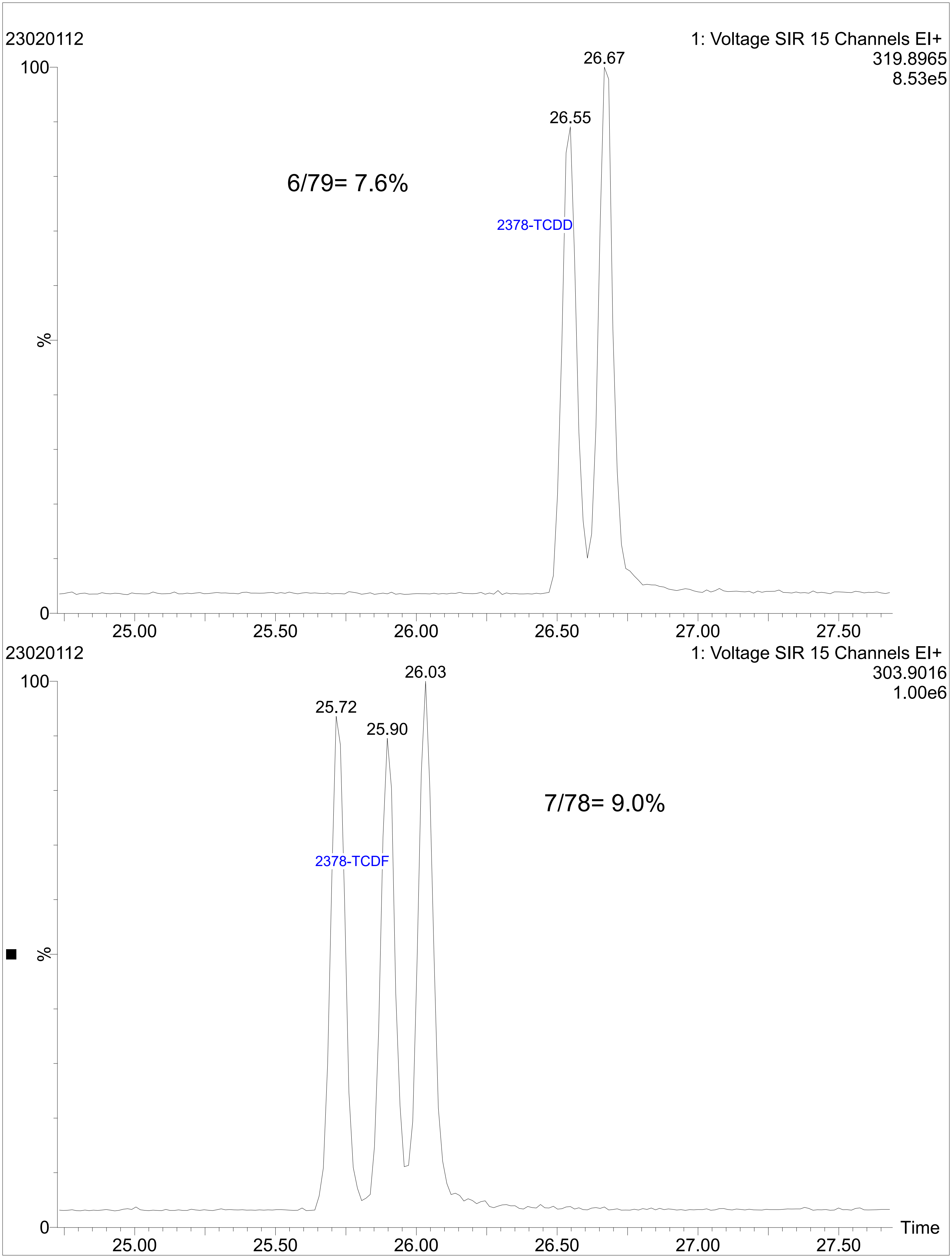


M 504.9696 R 14748



M 516.9697 R 15772




23020112
1: Voltage SIR 15 Channels EI+
319.8965
8.53e5
100
%
0
26.67
26.55
2378-TCDD
25.00
25.50
26.00
26.50
27.00
27.50
23020112
1: Voltage SIR 15 Channels EI+
303.9016
1.00e6
100
%
0
26.03
25.72
25.90
2378-TCDF
Time
25.00
25.50
26.00
26.50
27.00
27.50

6/79= 7.6%

7/78= 9.0%

SECOND-SOURCE CALIBRATION VERIFICATION

EPA 1613B

Laboratory: Analytical Resources, LLC
Client: Anchor QEA, LLC
Calibration: GB00010
Sequence: SLB0026

SDG: 22L0307
Project: AOC4 UR Phase 3
Laboratory ID: SLB0026-SCV1
Sequence Name: ICVCR
Standard ID: H008219

ANALYTE	EXPECTED (ng/mL)	FOUND (ng/mL)	% DRIFT	QC LIMIT
2,3,7,8-TCDF	10.000	9.80	-2.0	
2,3,7,8-TCDD	10.000	10.1	1.0	
1,2,3,7,8-PeCDF	50.000	49.4	-1.1	
2,3,4,7,8-PeCDF	50.000	50.7	1.4	
1,2,3,7,8-PeCDD	50.000	48.9	-2.2	
1,2,3,4,7,8-HxCDF	50.000	50.8	1.7	
1,2,3,6,7,8-HxCDF	50.000	51.1	2.1	
2,3,4,6,7,8-HxCDF	50.000	51.5	3.1	
1,2,3,7,8,9-HxCDF	50.000	49.9	-0.2	
1,2,3,4,7,8-HxCDD	50.000	51.0	2.0	
1,2,3,6,7,8-HxCDD	50.000	48.3	-3.4	
1,2,3,7,8,9-HxCDD	50.000	49.6	-0.8	
1,2,3,4,6,7,8-HpCDF	50.000	49.0	-2.0	
1,2,3,4,7,8,9-HpCDF	50.000	51.5	2.9	
1,2,3,4,6,7,8-HpCDD	50.000	48.8	-2.3	
OCDF	100.00	93.0	-7.0	
OCDD	100.00	95.8	-4.2	
13C12-2,3,7,8-TCDF	100.00	101	0.8	
13C12-2,3,7,8-TCDD	100.00	97.3	-2.7	
13C12-1,2,3,7,8-PeCDF	100.00	97.9	-2.1	
13C12-2,3,4,7,8-PeCDF	100.00	96.0	-4.0	
13C12-1,2,3,7,8-PeCDD	100.00	95.6	-4.4	
13C12-1,2,3,4,7,8-HxCDF	100.00	99.0	-1.0	
13C12-1,2,3,6,7,8-HxCDF	100.00	98.8	-1.2	
13C12-2,3,4,6,7,8-HxCDF	100.00	99.3	-0.7	
13C12-1,2,3,7,8,9-HxCDF	100.00	98.6	-1.4	
13C12-1,2,3,4,7,8-HxCDD	100.00	97.7	-2.3	
13C12-1,2,3,6,7,8-HxCDD	100.00	101	0.6	
13C12-1,2,3,4,6,7,8-HpCDF	100.00	100	0.3	
13C12-1,2,3,4,7,8,9-HpCDF	100.00	101	0.8	
13C12-1,2,3,4,6,7,8-HpCDD	100.00	101	0.6	
13C12-OCDD	200.00	205	2.6	
37Cl4-2,3,7,8-TCDD	10.000	8.94	-10.6	

SECOND-SOURCE CALIBRATION VERIFICATION

EPA 1613B

Laboratory: Analytical Resources, LLC

Client: Anchor QEA, LLC

Calibration: GB00010

Sequence: SLB0026

SDG: 22L0307

Project: AOC4 UR Phase 3

Laboratory ID: SLB0026-SCV1

Sequence Name: ICVCR

Standard ID: H008219

* Indicates values outside of QC limits

SECOND-SOURCE
CALIBRATION VERIFICATION

EPA 1613B

Laboratory:	Analytical Resources, LLC	**SDG:**	22L0307
Client:	Anchor QEA, LLC	**Project:**	AOC4 UR Phase 3
Calibration:	GB00010	**Laboratory ID:**	SLB0026-SCV1
Sequence:	SLB0026	**Standard ID:**	H008219

ANALYTE	EXPECTED (ng/mL)	FOUND (ng/mL)	% DRIFT	QC LIMIT
OCDF	100.00	93.0	-7.0	
OCDD	100.00	95.8	-4.2	
13C12-2,3,7,8-TCDF	100.00	101	0.8	
13C12-2,3,7,8-TCDD	100.00	97.3	-2.7	
13C12-1,2,3,7,8-PeCDF	100.00	97.9	-2.1	
13C12-2,3,4,7,8-PeCDF	100.00	96.0	-4.0	
13C12-1,2,3,7,8-PeCDD	100.00	95.6	-4.4	
13C12-1,2,3,4,7,8-HxCDF	100.00	99.0	-1.0	
13C12-1,2,3,6,7,8-HxCDF	100.00	98.8	-1.2	
13C12-2,3,4,6,7,8-HxCDF	100.00	99.3	-0.7	
13C12-1,2,3,7,8,9-HxCDF	100.00	98.6	-1.4	
13C12-1,2,3,4,7,8-HxCDD	100.00	97.7	-2.3	
13C12-1,2,3,6,7,8-HxCDD	100.00	101	0.6	
13C12-1,2,3,4,6,7,8-HpCDF	100.00	100	0.3	
13C12-1,2,3,4,7,8,9-HpCDF	100.00	101	0.8	
13C12-1,2,3,4,6,7,8-HpCDD	100.00	101	0.6	
13C12-OCDD	200.00	205	2.6	
37Cl4-2,3,7,8-TCDD	10.000	8.94	-10.6	

* Values outside of QC limits

INITIAL CALIBRATION CHECK

EPA 1613B

Laboratory:	Analytical Resources, LLC	SDG:	22L0307
Client:	Anchor QEA, LLC	Project:	AOC4 UR Phase 3
Instrument ID:	AUTOSPEC01	Calibration:	GB00010
Lab File ID:	23020102	Calibration Date:	02/01/2023
Sequence:	SLB0026	Injection Date:	02/01/23
Lab Sample ID:	SLB0026-ICV1	Injection Time:	10:37
Sequence Name:	CS3R1		

		CONC. (ng/mL)		RESPONSE FACTOR			% DRIFT/DIFF		
COMPOUND	TYPE	STD	ICV	ICAL	ICV	MIN	ICV	LIMIT	
2,3,7,8-TCDF	A	10.000	9.00	0.8760604	0.7881394		-10.0	+/-16	
2,3,7,8-TCDD	A	10.000	8.00	1.2363600	0.9890074		-20.0	+/-22	
1,2,3,7,8-PeCDF	A	50.000	45.5	0.8446540	0.7681961		-9.1	+/-18	
2,3,4,7,8-PeCDF	A	50.000	46.0	0.9111780	0.8383961		-8.0	+/-18	
1,2,3,7,8-PeCDD	A	50.000	49.7	1.0866850	1.0810230		-0.5	+/-22	
1,2,3,4,7,8-HxCDF	A	50.000	43.8	1.1816860	1.0352320		-12.4	+/-10	*
1,2,3,6,7,8-HxCDF	A	50.000	44.7	1.2480480	1.1146430		-10.7	+/-12	
2,3,4,6,7,8-HxCDF	A	50.000	45.6	1.2288500	1.1200940		-8.9	+/-12	
1,2,3,7,8,9-HxCDF	A	50.000	44.5	1.1865370	1.0560050		-11.0	+/-10	*
1,2,3,4,7,8-HxCDD	A	50.000	44.8	0.9869672	0.8835021		-10.5	+/-22	
1,2,3,6,7,8-HxCDD	A	50.000	43.8	1.0207220	0.8949701		-12.3	+/-22	
1,2,3,7,8,9-HxCDD	A	50.000	44.1	0.9854780	0.8698650		-11.7	+/-18	
1,2,3,4,6,7,8-HpCDF	A	50.000	45.1	1.2041190	1.0859080		-9.8	+/-10	
1,2,3,4,7,8,9-HpCDF	A	50.000	47.7	1.1653050	1.1124610		-4.5	+/-14	
1,2,3,4,6,7,8-HpCDD	A	50.000	44.2	1.2525690	1.1066520		-11.6	+/-14	
OCDF	A	100.00	86.3	1.1862640	1.0243110		-13.7	+/-37	
OCDD	A	100.00	90.9	1.1026670	1.0028370		-9.1	+/-21	
13C12-2,3,7,8-TCDF	A	100.00	81.8	1.7680590	1.4469997		-18.2	+/-29	
13C12-2,3,7,8-TCDD	A	100.00	103	1.1029470	1.1388769		3.3	+/-18	
13C12-1,2,3,7,8-PeCDF	A	100.00	97.0	1.5271250	1.4807739		-3.0	+/-24	
13C12-2,3,4,7,8-PeCDF	A	100.00	96.3	1.4662840	1.4126920		-3.7	+/-23	
13C12-1,2,3,7,8-PeCDD	A	100.00	97.3	0.9141518	0.8893426		-2.7	+/-38	
13C12-1,2,3,4,7,8-HxCDF	A	100.00	88.7	1.0536610	0.9345708		-11.3	+/-24	
13C12-1,2,3,6,7,8-HxCDF	A	100.00	89.6	1.0799530	0.9680754		-10.4	+/-30	
13C12-2,3,4,6,7,8-HxCDF	A	100.00	88.7	1.0143260	0.8993069		-11.3	+/-27	
13C12-1,2,3,7,8,9-HxCDF	A	100.00	87.8	0.9279333	0.8145455		-12.2	+/-26	
13C12-1,2,3,4,7,8-HxCDD	A	100.00	99.3	0.9329336	0.9264810		-0.7	+/-15	
13C12-1,2,3,6,7,8-HxCDD	A	100.00	102	0.9646272	0.9846310		2.1	+/-15	
13C12-1,2,3,4,6,7,8-HpCDF	A	100.00	80.6	1.0360890	0.8353360		-19.4	+/-22	
13C12-1,2,3,4,7,8,9-HpCDF	A	100.00	78.2	0.9049372	0.7072834		-21.8	+/-23	

* Values outside of QC limits

INITIAL CALIBRATION CHECK
EPA 1613B

Laboratory: Analytical Resources, LLC
Client: Anchor QEA, LLC
Instrument ID: AUTOSPEC01
Lab File ID: 23020102
Sequence: SLB0026
Lab Sample ID: SLB0026-ICV1
Sequence Name: CS3R1

SDG: 22L0307
Project: AOC4 UR Phase 3
Calibration: GB00010
Calibration Date: 02/01/2023
Injection Date: 02/01/23
Injection Time: 10:37

COMPOUND	TYPE	CONC. (ng/mL)		RESPONSE FACTOR			% DRIFT/DIFF	
		STD	ICV	ICAL	ICV	MIN	ICV	LIMIT
13C12-1,2,3,4,6,7,8-HpCDD	A	100.00	84.9	0.7819773	0.6642647		-15.1	+/-28
13C12-OCDD	A	200.00	176	0.7882343	0.6917393		-12.2	+/-52
37Cl4-2,3,7,8-TCDD	A	10.000	8.58	1.2334500	1.0578858		-14.2	

* Values outside of QC limits

INITIAL CALIBRATION CHECK
EPA 1613B

Laboratory:	Analytical Resources, LLC	SDG:	22L0307
Client:	Anchor QEA, LLC	Project:	AOC4 UR Phase 3
Instrument ID:	AUTOSPEC01	Calibration:	GB00010
Lab File ID:	23020702	Calibration Date:	02/01/2023
Sequence:	SLB0072	Injection Date:	02/07/23
Lab Sample ID:	SLB0072-ICV1	Injection Time:	09:25
Sequence Name:	CS3T1		

COMPOUND	TYPE	CONC. (ng/mL)		RESPONSE FACTOR			% DRIFT/DIFF	
		STD	ICV	ICAL	ICV	MIN	ICV	LIMIT
2,3,7,8-TCDF	A	10.000	9.53	0.8760604	0.8351157		-4.7	+/-16
2,3,7,8-TCDD	A	10.000	9.18	1.2363600	1.1355510		-8.2	+/-22
1,2,3,7,8-PeCDF	A	50.000	48.2	0.8446540	0.8146095		-3.6	+/-18
2,3,4,7,8-PeCDF	A	50.000	49.0	0.9111780	0.8931050		-2.0	+/-18
1,2,3,7,8-PeCDD	A	50.000	49.9	1.0866850	1.0837000		-0.3	+/-22
1,2,3,4,7,8-HxCDF	A	50.000	46.3	1.1816860	1.0940110		-7.4	+/-10
1,2,3,6,7,8-HxCDF	A	50.000	44.3	1.2480480	1.1059160		-11.4	+/-12
2,3,4,6,7,8-HxCDF	A	50.000	46.1	1.2288500	1.1319670		-7.9	+/-12
1,2,3,7,8,9-HxCDF	A	50.000	46.0	1.1865370	1.0911970		-8.0	+/-10
1,2,3,4,7,8-HxCDD	A	50.000	48.7	0.9869672	0.9622623		-2.5	+/-22
1,2,3,6,7,8-HxCDD	A	50.000	45.6	1.0207220	0.9313442		-8.8	+/-22
1,2,3,7,8,9-HxCDD	A	50.000	49.2	0.9854780	0.9696455		-1.6	+/-18
1,2,3,4,6,7,8-HpCDF	A	50.000	46.6	1.2041190	1.1231430		-6.7	+/-10
1,2,3,4,7,8,9-HpCDF	A	50.000	47.9	1.1653050	1.1169660		-4.1	+/-14
1,2,3,4,6,7,8-HpCDD	A	50.000	45.9	1.2525690	1.1507260		-8.1	+/-14
OCDF	A	100.00	85.8	1.1862640	1.0174050		-14.2	+/-37
OCDD	A	100.00	94.8	1.1026670	1.0450010		-5.2	+/-21
13C12-2,3,7,8-TCDF	A	100.00	88.9	1.7680590	1.5714363		-11.1	+/-29
13C12-2,3,7,8-TCDD	A	100.00	104	1.1029470	1.1480541		4.1	+/-18
13C12-1,2,3,7,8-PeCDF	A	100.00	98.1	1.5271250	1.4984317		-1.9	+/-24
13C12-2,3,4,7,8-PeCDF	A	100.00	97.9	1.4662840	1.4361152		-2.1	+/-23
13C12-1,2,3,7,8-PeCDD	A	100.00	99.5	0.9141518	0.9092687		-0.5	+/-38
13C12-1,2,3,4,7,8-HxCDF	A	100.00	91.1	1.0536610	0.9602116		-8.9	+/-24
13C12-1,2,3,6,7,8-HxCDF	A	100.00	93.8	1.0799530	1.0127282		-6.2	+/-30
13C12-2,3,4,6,7,8-HxCDF	A	100.00	93.2	1.0143260	0.9456075		-6.8	+/-27
13C12-1,2,3,7,8,9-HxCDF	A	100.00	91.3	0.9279333	0.8476312		-8.7	+/-26
13C12-1,2,3,4,7,8-HxCDD	A	100.00	101	0.9329336	0.9378135		0.5	+/-15
13C12-1,2,3,6,7,8-HxCDD	A	100.00	99.9	0.9646272	0.9640301		-0.06	+/-15
13C12-1,2,3,4,6,7,8-HpCDF	A	100.00	83.2	1.0360890	0.8618699		-16.8	+/-22
13C12-1,2,3,4,7,8,9-HpCDF	A	100.00	84.7	0.9049372	0.7665857		-15.3	+/-23

* Values outside of QC limits

INITIAL CALIBRATION CHECK

EPA 1613B

Laboratory:	Analytical Resources, LLC	SDG:	22L0307
Client:	Anchor QEA, LLC	Project:	AOC4 UR Phase 3
Instrument ID:	AUTOSPEC01	Calibration:	GB00010
Lab File ID:	23020702	Calibration Date:	02/01/2023
Sequence:	SLB0072	Injection Date:	02/07/23
Lab Sample ID:	SLB0072-ICV1	Injection Time:	09:25
Sequence Name:	CS3T1		

COMPOUND	TYPE	CONC. (ng/mL) STD	CONC. (ng/mL) ICV	RESPONSE FACTOR ICAL	RESPONSE FACTOR ICV	RESPONSE FACTOR MIN	% DRIFT/DIFF ICV	% DRIFT/DIFF LIMIT
13C12-1,2,3,4,6,7,8-HpCDD	A	100.00	87.4	0.7819773	0.6837124		-12.6	+/-28
13C12-OCDD	A	200.00	163	0.7882343	0.6439082		-18.3	+/-52
37Cl4-2,3,7,8-TCDD	A	10.000	8.87	1.2334500	1.0937558		-11.3	

* Values outside of QC limits

Method: T:\Autospec\Methods\Dioxin230206.mdb 07 Feb 2023 09:29:10
Calibration: T:\Autospec\Curves\230201ICIH.cdb 03 Feb 2023 10:33:40

ID: CS3T1, Name: 23020702, Date: 07-Feb-2023, Time: 09:25:16, Conditions: AUTOSPEC01, User: pk

Compound	RT	RRT	Ion1Area	Ion2Area	RRF	Ratio	Pred R	Noise 1	Noise 2	Height 1	Height 2	S/N 1	S/N 2	EMPC	Int.1	Int.2	pg
2378-TCDF	25.882	1.001	2.728e4	3.737e4	0.876	0.730	0.770	1068	1145	4.08e5	5.54e5	382.4	484.0	NO	bb	bb	9.533
12378-PeCDF	30.048	1.001	1.810e5	1.197e5	0.845	1.513	1.550	1202	1806	2.77e6	1.84e6	2301.8	1017.7	NO	bb	bb	48.221
23478-PeCDF	31.385	1.001	1.901e5	1.258e5	0.911	1.511	1.550	1202	1806	2.96e6	1.95e6	2467.3	1077.2	NO	bb	bb	49.008
123478-HxCDF	34.995	1.001	1.715e5	1.385e5	1.182	1.238	1.240	1290	1031	2.75e6	2.18e6	2128.7	2115.1	NO	bd	bd	46.290
234678-HxCDF	35.987	1.000	1.754e5	1.404e5	1.229	1.249	1.240	1290	1031	2.75e6	2.24e6	2135.6	2172.0	NO	bb	bd	46.058
123678-HxCDF	35.129	1.000	1.836e5	1.468e5	1.248	1.251	1.240	1290	1031	2.74e6	2.19e6	2121.8	2121.2	NO	db	dd	44.306
123789-HxCDF	37.012	1.000	1.506e5	1.224e5	1.187	1.231	1.240	1290	1031	2.32e6	1.89e6	1798.5	1828.9	NO	bd	bd	45.982
1234678-HpCDF	38.850	1.000	1.452e5	1.405e5	1.204	1.033	1.050	1630	1318	2.43e6	2.31e6	1487.5	1753.4	NO	bd	bd	46.638
1234789-HpCDF	41.100	1.000	1.275e5	1.252e5	1.165	1.018	1.050	1630	1318	1.84e6	1.83e6	1130.9	1389.0	NO	bd	bb	47.926
OCDF	45.358	1.006	1.826e5	2.040e5	1.186	0.895	0.890	838	1256	2.08e6	2.38e6	2474.8	1893.5	NO	bd	bd	85.766
2378-TCDD	26.532	1.001	2.806e4	3.617e4	1.236	0.776	0.770	1281	782	4.29e5	5.43e5	335.2	695.2	NO	bd	bb	9.185
12378-PeCDD	31.631	1.000	1.467e5	9.606e4	1.087	1.527	1.550	1745	1329	2.33e6	1.49e6	1338.0	1122.6	NO	bb	bb	49.863
123478-HxCDD	36.098	1.000	1.462e5	1.201e5	0.987	1.218	1.240	1716	1243	2.39e6	1.98e6	1391.4	1589.0	NO	bd	bd	48.748
123678-HxCDD	36.221	1.001	1.452e5	1.197e5	1.021	1.213	1.240	1716	1243	2.48e6	2.07e6	1444.5	1662.2	NO	db	db	45.622
123789-HxCDD	36.599	1.011	1.493e5	1.228e5	0.985	1.215	1.240	1716	1243	2.46e6	2.03e6	1431.5	1636.5	NO	bb	bb	49.197
1234678-HpCDD	40.354	1.000	1.189e5	1.133e5	1.253	1.049	1.050	1534	1123	1.77e6	1.70e6	1154.5	1513.3	NO	bd	bd	45.935
OCDD	45.120	1.000	1.835e5	2.136e5	1.103	0.859	0.890	1337	2084	2.19e6	2.54e6	1636.7	1216.9	NO	bb	bd	94.770
13C-2378-TCDF	25.867	1.006	3.425e5	4.316e5	1.768	0.794	0.770	1771	1388	5.25e6	6.65e6	2964.7	4790.3	NO	bb	bb	88.879
13C-12378-PeCDF	30.026	1.168	4.470e5	2.912e5	1.527	1.535	1.550	1472	1474	6.96e6	4.56e6	4725.7	3092.7	NO	bb	bb	98.121
13C-23478-PeCDF	31.363	1.220	4.281e5	2.794e5	1.466	1.532	1.550	1472	1474	6.60e6	4.28e6	4480.8	2905.5	NO	bb	bb	97.942
13C-123478-HxCDF	34.973	0.956	1.915e5	3.752e5	1.054	0.511	0.510	1356	1868	3.06e6	6.08e6	2256.2	3256.0	NO	bd	bd	91.131
13C-123678-HxCDF	35.118	0.960	1.997e5	3.979e5	1.080	0.502	0.510	1356	1868	3.09e6	6.13e6	2275.0	3279.5	NO	db	db	93.775
13C-234678-HxCDF	35.976	0.983	1.887e5	3.693e5	1.014	0.511	0.510	1356	1868	3.19e6	6.22e6	2348.6	3328.5	NO	bb	bb	93.225
13C-123789-HxCDF	37.000	1.011	1.673e5	3.329e5	0.928	0.503	0.510	1356	1868	2.78e6	5.52e6	2047.1	2953.5	NO	bb	bb	91.346
13C-1234678-HpCDF	38.839	1.062	1.586e5	3.500e5	1.036	0.453	0.440	1212	1613	2.69e6	5.89e6	2216.9	3649.1	NO	bb	bb	83.185
13C-1234789-HpCDF	41.089	1.123	1.408e5	3.116e5	0.905	0.452	0.440	1212	1613	2.03e6	4.54e6	1676.7	2811.0	NO	bd	bd	84.711
13C-1234-TCDD	25.700	0.000	2.177e5	2.749e5	1.000	0.792	0.770	1617	1252	3.33e6	4.17e6	2061.3	3334.0	NO	bb	bb	100.000
13C-2378-TCDD	26.501	1.031	2.509e5	3.147e5	1.103	0.797	0.770	1617	1252	3.73e6	4.77e6	2309.4	3812.9	NO	bb	bb	104.090
13C-12378-PeCDD	31.619	1.230	2.768e5	1.711e5	0.914	1.617	1.550	783	888	4.10e6	2.49e6	5228.9	2804.4	NO	bb	bd	99.466
13C-123478-HxCDD	36.087	0.986	3.109e5	2.426e5	0.933	1.282	1.240	1343	1091	5.26e6	4.08e6	3913.8	3742.9	NO	bd	bd	100.523
13C-123678-HxCDD	36.198	0.989	3.178e5	2.511e5	0.965	1.266	1.240	1343	1091	5.13e6	4.09e6	3816.8	3751.7	NO	db	db	99.938
13C-1234678-HpCDD	40.343	1.103	2.082e5	1.953e5	0.782	1.066	1.050	1156	1108	3.12e6	2.91e6	2696.1	2629.5	NO	bb	bb	87.434
13C-OCDD	45.102	1.233	3.617e5	3.983e5	0.788	0.908	0.890	1711	1167	4.43e6	4.90e6	2587.8	4199.2	NO	bb	bb	163.380
13C-123789-HxCDD	36.588	0.000	3.296e5	2.606e5	1.000	1.265	1.240	1343	1091	5.47e6	4.32e6	4068.6	3963.4	NO	bb	bb	100.000
37CL-2378-TCDD	26.532	1.032	5.388e4		1.233			1363		8.19e5		600.7			bb		8.867

ID: CS3T1, Name: 23020702, Date: 07-Feb-2023, Time: 09:25:16, Conditions: AUTOSPEC01, User: pk

Compound	RT	RRT	Ion1Area	Ion2Area	RRF	Ratio	Pred R	Noise 1	Noise 2	Height 1	Height 2	S/N 1	S/N 2	EMPC	Int.1	Int.2	pg
1368-TCDF	22.374	0.865	3.276e4	4.423e4	1.064	0.741	0.770	1068	1145	5.08e5	6.91e5	475.8	602.8	NO	bb	bb	9.342
1289-TCDF	27.394	1.059	2.645e4	3.605e4	0.858	0.734	0.770	1068	1145	3.94e5	5.15e5	369.4	449.3	NO	db	db	9.414
13468-PECDF	27.242	0.907	2.282e5	1.505e5	1.013	1.517	1.550	663	863	3.51e6	2.33e6	5294.6	2701.2	NO	bb	bb	50.650
12389-PECDF	32.421	1.080	1.791e5	1.206e5	0.844	1.485	1.550	1202	1806	2.69e6	1.76e6	2236.0	973.7	NO	bb	bb	48.123
123468-HXCDF	33.335	0.953	1.763e5	1.364e5	1.197	1.293	1.240	1290	1031	2.67e6	2.03e6	2069.3	1969.5	NO	bd	bb	46.081
1368-TCDD	23.659	0.893	2.586e4	3.236e4	1.084	0.799	0.770	1281	782	4.16e5	5.19e5	324.6	664.2	NO	bb	bb	9.493
1289-TCDD	27.136	1.024	2.274e4	2.935e4	0.975	0.775	0.770	1281	782	3.33e5	4.20e5	259.8	537.9	NO	bd	bd	9.446
12479-PECDD	28.912	0.914	2.484e5	1.586e5	1.837	1.566	1.550	1745	1329	2.37e6	1.50e6	1356.7	1131.0	NO	MM	MM	49.458
12389-PECDD	32.032	1.013	1.720e5	1.097e5	1.252	1.568	1.550	1745	1329	2.63e6	1.73e6	1506.1	1303.6	NO	bb	bb	50.218
124679-HXCDD	34.104	0.945	1.476e5	1.208e5	1.033	1.222	1.240	1716	1243	2.35e6	1.94e6	1366.8	1564.7	NO	bb	bb	46.946
1234679-HPCDD	39.307	0.974	1.304e5	1.250e5	1.286	1.043	1.050	1534	1123	2.06e6	1.96e6	1342.1	1745.0	NO	bd	bd	49.234
Total-tetrafurans			8.649e4		0.933			1068		1.31e6							28.288
Total-penta1			2.282e5					663		3.51e6							50.650
Total-pentafurans			5.791e5		0.866			1202		8.85e6							152.890
Total-hexafurans			8.574e5		1.208			1290		1.32e7							228.717
Total-heptafurans			2.734e5		1.185			1630		4.28e6							94.859
Total-Furans			2.207e6		1.067			1068		3.33e7							641.171
Total-tetradioxins			1.314e5		1.099			1281		1.82e6							47.858
Total-pentadioxins			5.671e5		1.392			1745		7.33e6							149.539
Total-hexadioxins			5.883e5		1.007			1716		9.67e6							190.513
Total-heptadioxins			2.498e5		1.269			1534		3.84e6							95.350
Total-Dioxins			1.720e6		1.165			1281		2.49e7							578.030
Total-TEQ			3.927e6					1281		5.81e7							1219.201
FUNCTION1 PFK			4.763e6					305793		3.63e7							
FUNCTION2 PFK			5.423e5					181475		1.33e7							0.000
FUNCTION3 PFK			3.583e5					206086		9.34e6							0.000
FUNCTION4 PFK			0.000e0					178080		0.00e0							
FUNCTION5 PFK			2.355e5					105143		5.11e6							
FUNCTION1 HXCD...			7.784e2					629		1.02e4							0.000
FUNCTION1 HPCD...			1.444e3					817		2.23e4							0.000
FUNCTION2 HPCD...			4.630e2					927		1.16e4							0.000
FUNCTION3 OCDPE			8.159e1					667		1.40e3							0.000
FUNCTION4 NCDPE			1.868e2					617		3.83e3							0.000
FUNCTION5 DCDPE			0.000e0					759		0.00e0							

Method: T:\Autospec\Methods\Dioxin230206.mdb 07 Feb 2023 09:29:10
Calibration: T:\Autospec\Curves\230201ICIH.cdb 03 Feb 2023 10:33:40

ID: CS3T1, Name: 23020702, Date: 07-Feb-2023, Time: 09:25:16, Conditions: AUTOSPEC01, User: pk

TF

	Compound	RT	Ion1Area	Ion2Area	RRF	Ratio	Pred R	S/N 1	SNFlag	EMPC	Int.1	Int.2	pg
1	1289-TCDF	27.39	2.645e4	3.605e4	0.858	0.73	0.77	369.4	YES	NO	db	db	9.414
2	2378-TCDF	25.88	2.728e4	3.737e4	0.876	0.73	0.77	382.4	YES	NO	bb	bb	9.533
3	1368-TCDF	22.37	3.276e4	4.423e4	1.064	0.74	0.77	475.8	YES	NO	bb	bb	9.342

PP

	Compound	RT	Ion1Area	Ion2Area	RRF	Ratio	Pred R	S/N 1	SNFlag	EMPC	Int.1	Int.2	pg
1	13468-PECDF	27.24	2.282e5	1.505e5	1.013	1.52	1.55	5294.6	YES	NO	bb	bb	50.650

PF

	Compound	RT	Ion1Area	Ion2Area	RRF	Ratio	Pred R	S/N 1	SNFlag	EMPC	Int.1	Int.2	pg
1	12389-PECDF	32.42	1.791e5	1.206e5	0.844	1.48	1.55	2236.0	YES	NO	bb	bb	48.123
2	23478-PeCDF	31.39	1.901e5	1.258e5	0.911	1.51	1.55	2467.3	YES	NO	bb	bb	49.008
3	12378-PeCDF	30.05	1.810e5	1.197e5	0.845	1.51	1.55	2301.8	YES	NO	bb	bb	48.221
4	Total-pentafurans	28.90	2.889e4	1.832e4	0.866	1.58	1.55	363.8	YES	NO	bb	bb	7.537

HF

	Compound	RT	Ion1Area	Ion2Area	RRF	Ratio	Pred R	S/N 1	SNFlag	EMPC	Int.1	Int.2	pg
1	123678-HxCDF	35.13	1.836e5	1.468e5	1.248	1.25	1.24	2121.8	YES	NO	db	dd	44.306
2	123478-HxCDF	35.00	1.715e5	1.385e5	1.182	1.24	1.24	2128.7	YES	NO	bd	bd	46.290
3	123468-HXCDF	33.33	1.763e5	1.364e5	1.197	1.29	1.24	2069.3	YES	NO	bd	bb	46.081
4	123789-HxCDF	37.01	1.506e5	1.224e5	1.187	1.23	1.24	1798.5	YES	NO	bd	bd	45.982
5	234678-HxCDF	35.99	1.754e5	1.404e5	1.229	1.25	1.24	2135.6	YES	NO	bb	bd	46.058

HPF

	Compound	RT	Ion1Area	Ion2Area	RRF	Ratio	Pred R	S/N 1	SNFlag	EMPC	Int.1	Int.2	pg
1	1234789-HpCDF	41.10	1.275e5	1.252e5	1.165	1.02	1.05	1130.9	YES	NO	bd	bb	47.926
2	Total-heptafurans	39.52	8.312e2	8.519e2	1.185	0.98	1.05	8.6	YES	NO	bb	bb	0.296
3	1234678-HpCDF	38.85	1.452e5	1.405e5	1.204	1.03	1.05	1487.5	YES	NO	bd	bd	46.638

ID: CS3T1, Name: 23020702, Date: 07-Feb-2023, Time: 09:25:16, Conditions: AUTOSPEC01, User: pk

Furans,TF,PP,PF,HF,HPF,OF

	Compound	RT	Ion1Area	Ion2Area	RRF	Ratio	Pred R	S/N 1	SNFlag	EMPC	Int.1	Int.2	pg
1	1289-TCDF	27.39	2.645e4	3.605e4	0.858	0.73	0.77	369.4	YES	NO	db	db	9.414
2	2378-TCDF	25.88	2.728e4	3.737e4	0.876	0.73	0.77	382.4	YES	NO	bb	bb	9.533
3	1368-TCDF	22.37	3.276e4	4.423e4	1.064	0.74	0.77	475.8	YES	NO	bb	bb	9.342
4	12389-PECDF	32.42	1.791e5	1.206e5	0.844	1.48	1.55	2236.0	YES	NO	bb	bb	48.123
5	23478-PeCDF	31.39	1.901e5	1.258e5	0.911	1.51	1.55	2467.3	YES	NO	bb	bb	49.008
6	12378-PeCDF	30.05	1.810e5	1.197e5	0.845	1.51	1.55	2301.8	YES	NO	bb	bb	48.221
7	Total-pentafurans	28.90	2.889e4	1.832e4	0.866	1.58	1.55	363.8	YES	NO	bb	bb	7.537
8	123678-HxCDF	35.13	1.836e5	1.468e5	1.248	1.25	1.24	2121.8	YES	NO	db	dd	44.306
9	123478-HxCDF	35.00	1.715e5	1.385e5	1.182	1.24	1.24	2128.7	YES	NO	bd	bd	46.290
10	123468-HXCDF	33.33	1.763e5	1.364e5	1.197	1.29	1.24	2069.3	YES	NO	bd	bb	46.081
11	123789-HxCDF	37.01	1.506e5	1.224e5	1.187	1.23	1.24	1798.5	YES	NO	bd	bd	45.982
12	234678-HxCDF	35.99	1.754e5	1.404e5	1.229	1.25	1.24	2135.6	YES	NO	bb	bd	46.058
13	1234789-HpCDF	41.10	1.275e5	1.252e5	1.165	1.02	1.05	1130.9	YES	NO	bd	bb	47.926
14	Total-heptafurans	39.52	8.312e2	8.519e2	1.185	0.98	1.05	8.6	YES	NO	bb	bb	0.296
15	1234678-HpCDF	38.85	1.452e5	1.405e5	1.204	1.03	1.05	1487.5	YES	NO	bd	bd	46.638
16	OCDF	45.36	1.826e5	2.040e5	1.186	0.90	0.89	2474.8	YES	NO	bd	bd	85.766
17	13468-PECDF	27.24	2.282e5	1.505e5	1.013	1.52	1.55	5294.6	YES	NO	bb	bb	50.650

TD

	Compound	RT	Ion1Area	Ion2Area	RRF	Ratio	Pred R	S/N 1	SNFlag	EMPC	Int.1	Int.2	pg
1	2378-TCDD	26.53	2.806e4	3.617e4	1.236	0.78	0.77	335.2	YES	NO	bd	bb	9.185
2	Total-tetradioxins	26.20	4.091e4	5.086e4	1.099	0.80	0.77	339.1	YES	NO	bb	bb	14.769
3	Total-tetradioxins	25.72	1.280e4	1.563e4	1.099	0.82	0.77	156.4	YES	NO	bb	bb	4.575
4	Total-tetradioxins	24.85	1.026e3	1.397e3	1.099	0.73	0.77	8.0	YES	NO	bb	bb	0.390
5	1368-TCDD	23.66	2.586e4	3.236e4	1.084	0.80	0.77	324.6	YES	NO	bb	bb	9.493
6	1289-TCDD	27.14	2.274e4	2.935e4	0.975	0.77	0.77	259.8	YES	NO	bd	bd	9.446

PD

	Compound	RT	Ion1Area	Ion2Area	RRF	Ratio	Pred R	S/N 1	SNFlag	EMPC	Int.1	Int.2	pg
1	12389-PECDD	32.03	1.720e5	1.097e5	1.252	1.57	1.55	1506.1	YES	NO	bb	bb	50.218
2	12378-PeCDD	31.63	1.467e5	9.606e4	1.087	1.53	1.55	1338.0	YES	NO	bb	bb	49.863
3	12479-PECDD	28.91	2.484e5	1.586e5	1.837	1.57	1.55	1356.7	YES	NO	MM	MM	49.458

ID: CS3T1, Name: 23020702, Date: 07-Feb-2023, Time: 09:25:16, Conditions: AUTOSPEC01, User: pk

HD

	Compound	RT	Ion1Area	Ion2Area	RRF	Ratio	Pred R	S/N 1	SNFlag	EMPC	Int.1	Int.2	pg
1	124679-HXCDD	34.10	1.476e5	1.208e5	1.033	1.22	1.24	1366.8	YES	NO	bb	bb	46.946
2	123789-HxCDD	36.60	1.493e5	1.228e5	0.985	1.22	1.24	1431.5	YES	NO	bb	bb	49.197
3	123678-HxCDD	36.22	1.452e5	1.197e5	1.021	1.21	1.24	1444.5	YES	NO	db	db	45.622
4	123478-HxCDD	36.10	1.462e5	1.201e5	0.987	1.22	1.24	1391.4	YES	NO	bd	bd	48.748

HPD

	Compound	RT	Ion1Area	Ion2Area	RRF	Ratio	Pred R	S/N 1	SNFlag	EMPC	Int.1	Int.2	pg
1	Total-heptadioxins	40.58	4.504e2	4.766e2	1.269	0.95	1.05	6.8	YES	NO	dd	dd	0.181
2	1234678-HpCDD	40.35	1.189e5	1.133e5	1.253	1.05	1.05	1154.5	YES	NO	bd	bd	45.935
3	1234679-HPCDD	39.31	1.304e5	1.250e5	1.286	1.04	1.05	1342.1	YES	NO	bd	bd	49.234

Dioxins,TD,PD,HD,HPD,OD

	Compound	RT	Ion1Area	Ion2Area	RRF	Ratio	Pred R	S/N 1	SNFlag	EMPC	Int.1	Int.2	pg
1	2378-TCDD	26.53	2.806e4	3.617e4	1.236	0.78	0.77	335.2	YES	NO	bd	bb	9.185
2	Total-tetradioxins	26.20	4.091e4	5.086e4	1.099	0.80	0.77	339.1	YES	NO	bb	bb	14.769
3	Total-tetradioxins	25.72	1.280e4	1.563e4	1.099	0.82	0.77	156.4	YES	NO	bb	bb	4.575
4	Total-tetradioxins	24.85	1.026e3	1.397e3	1.099	0.73	0.77	8.0	YES	NO	bb	bb	0.390
5	1368-TCDD	23.66	2.586e4	3.236e4	1.084	0.80	0.77	324.6	YES	NO	bb	bb	9.493
6	1289-TCDD	27.14	2.274e4	2.935e4	0.975	0.77	0.77	259.8	YES	NO	bd	bd	9.446
7	124679-HXCDD	34.10	1.476e5	1.208e5	1.033	1.22	1.24	1366.8	YES	NO	bb	bb	46.946
8	12389-PECDD	32.03	1.720e5	1.097e5	1.252	1.57	1.55	1506.1	YES	NO	bb	bb	50.218
9	12378-PeCDD	31.63	1.467e5	9.606e4	1.087	1.53	1.55	1338.0	YES	NO	bb	bb	49.863
10	123789-HxCDD	36.60	1.493e5	1.228e5	0.985	1.22	1.24	1431.5	YES	NO	bb	bb	49.197
11	123678-HxCDD	36.22	1.452e5	1.197e5	1.021	1.21	1.24	1444.5	YES	NO	db	db	45.622
12	123478-HxCDD	36.10	1.462e5	1.201e5	0.987	1.22	1.24	1391.4	YES	NO	bd	bd	48.748
13	Total-heptadioxins	40.58	4.504e2	4.766e2	1.269	0.95	1.05	6.8	YES	NO	dd	dd	0.181
14	1234678-HpCDD	40.35	1.189e5	1.133e5	1.253	1.05	1.05	1154.5	YES	NO	bd	bd	45.935
15	1234679-HPCDD	39.31	1.304e5	1.250e5	1.286	1.04	1.05	1342.1	YES	NO	bd	bd	49.234
16	OCDD	45.12	1.835e5	2.136e5	1.103	0.86	0.89	1636.7	YES	NO	bb	bd	94.770
17	12479-PECDD	28.91	2.484e5	1.586e5	1.837	1.57	1.55	1356.7	YES	NO	MM	MM	49.458

ID: CS3T1, Name: 23020702, Date: 07-Feb-2023, Time: 09:25:16, Conditions: AUTOSPEC01, User: pk

TotalTEQ,Furans,Dioxins

	Compound	RT	Ion1Area	Ion2Area	RRF	Ratio	Pred R	S/N 1	SNFlag	EMPC	Int.1	Int.2	pg
1	1289-TCDF	27.39	2.645e4	3.605e4	0.858	0.73	0.77	369.4	YES	NO	db	db	9.414
2	2378-TCDF	25.88	2.728e4	3.737e4	0.876	0.73	0.77	382.4	YES	NO	bb	bb	9.533
3	1368-TCDF	22.37	3.276e4	4.423e4	1.064	0.74	0.77	475.8	YES	NO	bb	bb	9.342
4	12389-PECDF	32.42	1.791e5	1.206e5	0.844	1.48	1.55	2236.0	YES	NO	bb	bb	48.123
5	23478-PeCDF	31.39	1.901e5	1.258e5	0.911	1.51	1.55	2467.3	YES	NO	bb	bb	49.008
6	12378-PeCDF	30.05	1.810e5	1.197e5	0.845	1.51	1.55	2301.8	YES	NO	bb	bb	48.221
7	Total-pentafurans	28.90	2.889e4	1.832e4	0.866	1.58	1.55	363.8	YES	NO	bb	bb	7.537
8	123678-HxCDF	35.13	1.836e5	1.468e5	1.248	1.25	1.24	2121.8	YES	NO	db	dd	44.306
9	123478-HxCDF	35.00	1.715e5	1.385e5	1.182	1.24	1.24	2128.7	YES	NO	bd	bd	46.290
10	123468-HXCDF	33.33	1.763e5	1.364e5	1.197	1.29	1.24	2069.3	YES	NO	bd	bb	46.081
11	123789-HxCDF	37.01	1.506e5	1.224e5	1.187	1.23	1.24	1798.5	YES	NO	bd	bd	45.982
12	234678-HxCDF	35.99	1.754e5	1.404e5	1.229	1.25	1.24	2135.6	YES	NO	bb	bd	46.058
13	1234789-HpCDF	41.10	1.275e5	1.252e5	1.165	1.02	1.05	1130.9	YES	NO	bd	bb	47.926
14	Total-heptafurans	39.52	8.312e2	8.519e2	1.185	0.98	1.05	8.6	YES	NO	bb	bb	0.296
15	1234678-HpCDF	38.85	1.452e5	1.405e5	1.204	1.03	1.05	1487.5	YES	NO	bd	bd	46.638
16	OCDF	45.36	1.826e5	2.040e5	1.186	0.90	0.89	2474.8	YES	NO	bd	bd	85.766
17	13468-PECDF	27.24	2.282e5	1.505e5	1.013	1.52	1.55	5294.6	YES	NO	bb	bb	50.650
18	2378-TCDD	26.53	2.806e4	3.617e4	1.236	0.78	0.77	335.2	YES	NO	bd	bb	9.185
19	Total-tetradioxins	26.20	4.091e4	5.086e4	1.099	0.80	0.77	339.1	YES	NO	bb	bb	14.769
20	Total-tetradioxins	25.72	1.280e4	1.563e4	1.099	0.82	0.77	156.4	YES	NO	bb	bb	4.575
21	Total-tetradioxins	24.85	1.026e3	1.397e3	1.099	0.73	0.77	8.0	YES	NO	bb	bb	0.390
22	1368-TCDD	23.66	2.586e4	3.236e4	1.084	0.80	0.77	324.6	YES	NO	bb	bb	9.493
23	1289-TCDD	27.14	2.274e4	2.935e4	0.975	0.77	0.77	259.8	YES	NO	bd	bd	9.446
24	124679-HXCDD	34.10	1.476e5	1.208e5	1.033	1.22	1.24	1366.8	YES	NO	bb	bb	46.946
25	12389-PECDD	32.03	1.720e5	1.097e5	1.252	1.57	1.55	1506.1	YES	NO	bb	bb	50.218
26	12378-PeCDD	31.63	1.467e5	9.606e4	1.087	1.53	1.55	1338.0	YES	NO	bb	bb	49.863
27	123789-HxCDD	36.60	1.493e5	1.228e5	0.985	1.22	1.24	1431.5	YES	NO	bb	bb	49.197
28	123678-HxCDD	36.22	1.452e5	1.197e5	1.021	1.21	1.24	1444.5	YES	NO	db	db	45.622
29	123478-HxCDD	36.10	1.462e5	1.201e5	0.987	1.22	1.24	1391.4	YES	NO	bd	bd	48.748
30	Total-heptadioxins	40.58	4.504e2	4.766e2	1.269	0.95	1.05	6.8	YES	NO	dd	dd	0.181
31	1234678-HpCDD	40.35	1.189e5	1.133e5	1.253	1.05	1.05	1154.5	YES	NO	bd	bd	45.935
32	1234679-HPCDD	39.31	1.304e5	1.250e5	1.286	1.04	1.05	1342.1	YES	NO	bd	bd	49.234
33	OCDD	45.12	1.835e5	2.136e5	1.103	0.86	0.89	1636.7	YES	NO	bb	bd	94.770
34	12479-PECDD	28.91	2.484e5	1.586e5	1.837	1.57	1.55	1356.7	YES	NO	MM	MM	49.458

ID: CS3T1, Name: 23020702, Date: 07-Feb-2023, Time: 09:25:16, Conditions: AUTOSPEC01, User: pk

PFK1

	Compound	RT	Ion1Area	Ion2Area	RRF	Ratio	Pred R	S/N 1	SNFlag	EMPC	Int.1	Int.2	pg
1	FUNCTION1 PFK	23.14	9.329e3					0.9	NO		bb		
2	FUNCTION1 PFK	22.72	2.595e3					0.6	NO		bb		
3	FUNCTION1 PFK	22.65	1.359e4					1.3	NO		bb		
4	FUNCTION1 PFK	22.21	1.980e3					0.4	NO		bb		
5	FUNCTION1 PFK	21.44	1.834e6					20.0	YES		db		
6	FUNCTION1 PFK	21.32	1.241e6					24.1	YES		dd		
7	FUNCTION1 PFK	21.19	5.654e5					26.4	YES		dd		
8	FUNCTION1 PFK	21.13	8.677e5					28.2	YES		bd		
9	FUNCTION1 PFK	27.15	1.848e4					1.4	NO		bb		
10	FUNCTION1 PFK	26.86	2.297e3					0.5	NO		bb		
11	FUNCTION1 PFK	26.18	2.579e3					0.6	NO		bb		
12	FUNCTION1 PFK	25.85	2.009e4					1.5	NO		bb		
13	FUNCTION1 PFK	25.61	6.044e3					0.8	NO		bb		
14	FUNCTION1 PFK	25.49	1.801e4					0.8	NO		bb		
15	FUNCTION1 PFK	25.13	7.883e3					0.8	NO		bb		
16	FUNCTION1 PFK	24.96	9.320e3					0.9	NO		bb		
17	FUNCTION1 PFK	24.76	1.948e4					1.4	NO		bb		
18	FUNCTION1 PFK	24.26	1.145e4					1.1	NO		db		
19	FUNCTION1 PFK	24.20	3.887e4					1.8	NO		dd		
20	FUNCTION1 PFK	24.08	3.730e4					2.2	NO		bd		
21	FUNCTION1 PFK	23.81	9.090e3					1.1	NO		bb		
22	FUNCTION1 PFK	23.69	2.124e3					0.5	NO		bb		
23	FUNCTION1 PFK	23.22	2.464e4					1.6	NO		bb		

ID: CS3T1, Name: 23020702, Date: 07-Feb-2023, Time: 09:25:16, Conditions: AUTOSPEC01, User: pk

PFK2

	Compound	RT	Ion1Area	Ion2Area	RRF	Ratio	Pred R	S/N 1	SNFlag	EMPC	Int.1	Int.2	pg
1	FUNCTION2 PFK	29.83	4.460e3					0.9	NO		db		0.000
2	FUNCTION2 PFK	29.77	1.230e4					1.7	NO		dd		0.000
3	FUNCTION2 PFK	29.71	1.195e4					2.0	NO		dd		0.000
4	FUNCTION2 PFK	29.64	3.540e4					2.5	NO		dd		0.000
5	FUNCTION2 PFK	29.50	1.525e4					1.9	NO		bd		0.000
6	FUNCTION2 PFK	29.34	7.671e3					1.3	NO		bb		0.000
7	FUNCTION2 PFK	29.26	3.670e3					0.9	NO		bb		0.000
8	FUNCTION2 PFK	29.20	8.595e3					1.4	NO		bb		0.000
9	FUNCTION2 PFK	28.99	7.715e3					1.3	NO		db		0.000
10	FUNCTION2 PFK	28.97	4.644e3					1.2	NO		bd		0.000
11	FUNCTION2 PFK	28.67	1.156e4					2.2	NO		db		0.000
12	FUNCTION2 PFK	28.57	1.982e4					1.8	NO		bd		0.000
13	FUNCTION2 PFK	28.42	9.734e2					0.5	NO		bb		0.000
14	FUNCTION2 PFK	28.35	2.306e4					3.8	YES		db		0.000
15	FUNCTION2 PFK	28.30	3.314e4					4.5	YES		dd		0.000
16	FUNCTION2 PFK	28.25	4.283e4					7.2	YES		bd		0.000
17	FUNCTION2 PFK	31.94	2.853e4					3.2	YES		bd		0.000
18	FUNCTION2 PFK	31.66	2.280e3					0.8	NO		bb		0.000
19	FUNCTION2 PFK	31.62	8.729e3					1.6	NO		bb		0.000
20	FUNCTION2 PFK	31.55	1.136e4					2.0	NO		bb		0.000
21	FUNCTION2 PFK	31.45	1.471e4					2.3	NO		db		0.000
22	FUNCTION2 PFK	31.32	3.155e4					2.1	NO		bd		0.000
23	FUNCTION2 PFK	31.14	1.546e3					0.6	NO		db		0.000
24	FUNCTION2 PFK	31.10	2.015e4					2.2	NO		bd		0.000
25	FUNCTION2 PFK	30.81	6.776e2					0.3	NO		bb		0.000
26	FUNCTION2 PFK	30.75	6.368e3					1.3	NO		db		0.000
27	FUNCTION2 PFK	30.65	1.669e4					2.0	NO		bd		0.000
28	FUNCTION2 PFK	30.58	6.341e3					1.5	NO		bb		0.000
29	FUNCTION2 PFK	30.43	1.161e4					1.7	NO		db		0.000
30	FUNCTION2 PFK	30.36	1.267e4					1.9	NO		bd		0.000
31	FUNCTION2 PFK	30.06	9.922e2					0.5	NO		bb		0.000
32	FUNCTION2 PFK	29.98	1.161e4					1.3	NO		bb		0.000
33	FUNCTION2 PFK	32.71	8.598e2					0.4	NO		bb		0.000
34	FUNCTION2 PFK	32.62	1.844e3					0.6	NO		bb		0.000
35	FUNCTION2 PFK	32.31	8.609e3					1.6	NO		bb		0.000
36	FUNCTION2 PFK	32.22	9.372e3					2.3	NO		db		0.000
37	FUNCTION2 PFK	32.20	2.290e4					3.5	YES		dd		0.000

ID: CS3T1, Name: 23020702, Date: 07-Feb-2023, Time: 09:25:16, Conditions: AUTOSPEC01, User: pk

PFK2

	Compound	RT	Ion1Area	Ion2Area	RRF	Ratio	Pred R	S/N 1	SNFlag	EMPC	Int.1	Int.2	pg
38	FUNCTION2 PFK	32.15	5.957e4					3.3	YES		dd		0.000
39	FUNCTION2 PFK	31.99	1.033e4					1.7	NO		dd		0.000

ID: CS3T1, Name: 23020702, Date: 07-Feb-2023, Time: 09:25:16, Conditions: AUTOSPEC01, User: pk

PFK3

	Compound	RT	Ion1Area	Ion2Area	RRF	Ratio	Pred R	S/N 1	SNFlag	EMPC	Int.1	Int.2	pg
1	FUNCTION3 PFK	33.96	1.737e4					1.8	NO		db		0.000
2	FUNCTION3 PFK	33.86	9.488e3					1.1	NO		bd		0.000
3	FUNCTION3 PFK	33.47	1.048e4					1.4	NO		bb		0.000
4	FUNCTION3 PFK	33.22	2.023e4					1.8	NO		db		0.000
5	FUNCTION3 PFK	33.12	3.444e4					2.9	NO		bd		0.000
6	FUNCTION3 PFK	33.05	1.049e4					2.0	NO		db		0.000
7	FUNCTION3 PFK	33.01	2.003e4					3.2	YES		dd		0.000
8	FUNCTION3 PFK	32.99	4.737e3					1.4	NO		bd		0.000
9	FUNCTION3 PFK	36.50	2.431e3					0.6	NO		bb		0.000
10	FUNCTION3 PFK	36.42	6.775e3					1.1	NO		bb		0.000
11	FUNCTION3 PFK	36.11	8.685e2					0.4	NO		bb		0.000
12	FUNCTION3 PFK	35.93	4.757e3					0.9	NO		bb		0.000
13	FUNCTION3 PFK	35.79	1.924e4					1.5	NO		bb		0.000
14	FUNCTION3 PFK	35.40	1.951e4					2.0	NO		bb		0.000
15	FUNCTION3 PFK	35.26	1.864e4					1.8	NO		db		0.000
16	FUNCTION3 PFK	35.14	1.457e4					1.6	NO		bd		0.000
17	FUNCTION3 PFK	35.03	1.281e3					0.6	NO		bb		0.000
18	FUNCTION3 PFK	34.69	3.266e4					2.0	NO		bb		0.000
19	FUNCTION3 PFK	34.47	8.681e2					0.4	NO		bb		0.000
20	FUNCTION3 PFK	34.43	7.870e3					1.3	NO		bb		0.000
21	FUNCTION3 PFK	34.29	1.784e3					0.5	NO		bb		0.000
22	FUNCTION3 PFK	34.19	6.455e3					1.2	NO		bb		0.000
23	FUNCTION3 PFK	34.14	3.828e3					0.9	NO		bb		0.000
24	FUNCTION3 PFK	34.00	1.377e3					0.6	NO		bb		0.000
25	FUNCTION3 PFK	37.94	2.008e4					1.8	NO		bb		0.000
26	FUNCTION3 PFK	37.72	1.073e4					1.4	NO		db		0.000
27	FUNCTION3 PFK	37.67	1.759e4					2.2	NO		dd		0.000
28	FUNCTION3 PFK	37.62	9.816e3					1.7	NO		bd		0.000
29	FUNCTION3 PFK	37.56	1.020e4					1.4	NO		db		0.000
30	FUNCTION3 PFK	37.51	3.376e3					0.7	NO		bd		0.000
31	FUNCTION3 PFK	37.08	4.636e3					0.9	NO		bb		0.000
32	FUNCTION3 PFK	36.94	4.701e3					0.9	NO		bb		0.000
33	FUNCTION3 PFK	36.59	4.112e3					0.8	NO		bb		0.000
34	FUNCTION3 PFK	36.54	2.843e3					0.7	NO		bb		0.000

ID: CS3T1, Name: 23020702, Date: 07-Feb-2023, Time: 09:25:16, Conditions: AUTOSPEC01, User: pk

PFK4

	Compound	RT	Ion1Area	Ion2Area	RRF	Ratio	Pred R	S/N 1	SNFlag	EMPC	Int.1	Int.2	pg
1													

PFK5

	Compound	RT	Ion1Area	Ion2Area	RRF	Ratio	Pred R	S/N 1	SNFlag	EMPC	Int.1	Int.2	pg
1	FUNCTION5 PFK	43.40	7.519e3					1.5	NO		bb		
2	FUNCTION5 PFK	43.32	1.005e3					0.6	NO		bb		
3	FUNCTION5 PFK	43.15	4.699e4					5.3	YES		db		
4	FUNCTION5 PFK	43.08	7.471e4					10.3	YES		bd		
5	FUNCTION5 PFK	45.06	1.998e3					0.9	NO		bb		
6	FUNCTION5 PFK	44.99	1.722e3					0.9	NO		bb		
7	FUNCTION5 PFK	44.85	2.358e3					1.0	NO		db		
8	FUNCTION5 PFK	44.79	9.522e3					2.2	NO		dd		
9	FUNCTION5 PFK	44.75	8.975e3					2.7	NO		dd		
10	FUNCTION5 PFK	44.66	8.382e3					1.5	NO		bd		
11	FUNCTION5 PFK	44.59	9.490e3					2.0	NO		db		
12	FUNCTION5 PFK	44.53	5.862e3					2.3	NO		dd		
13	FUNCTION5 PFK	44.48	1.097e4					1.6	NO		bd		
14	FUNCTION5 PFK	44.40	3.511e3					1.2	NO		bb		
15	FUNCTION5 PFK	44.33	5.417e3					1.4	NO		bb		
16	FUNCTION5 PFK	44.02	1.652e3					0.8	NO		db		
17	FUNCTION5 PFK	43.96	4.773e3					1.4	NO		dd		
18	FUNCTION5 PFK	43.89	3.846e3					1.0	NO		bd		
19	FUNCTION5 PFK	43.62	4.955e2					0.5	NO		bb		
20	FUNCTION5 PFK	43.56	4.307e2					0.4	NO		bb		
21	FUNCTION5 PFK	46.44	1.787e3					0.9	NO		bb		
22	FUNCTION5 PFK	46.28	3.625e2					0.4	NO		bb		
23	FUNCTION5 PFK	46.14	3.034e3					0.6	NO		bb		
24	FUNCTION5 PFK	45.99	2.999e3					1.1	NO		db		
25	FUNCTION5 PFK	45.94	4.233e3					1.5	NO		bd		
26	FUNCTION5 PFK	45.60	1.270e3					0.7	NO		bb		
27	FUNCTION5 PFK	45.52	3.112e3					0.7	NO		bb		
28	FUNCTION5 PFK	45.46	3.459e3					1.7	NO		bb		
29	FUNCTION5 PFK	45.32	5.614e3					1.6	NO		bb		

ID: CS3T1, Name: 23020702, Date: 07-Feb-2023, Time: 09:25:16, Conditions: AUTOSPEC01, User: pk

ETHERS1

	Compound	RT	Ion1Area	Ion2Area	RRF	Ratio	Pred R	S/N 1	SNFlag	EMPC	Int.1	Int.2	pg
1	FUNCTION1 HXCD...	26.55	1.291e2					3.2	YES		bb		0.000
2	FUNCTION1 HXCD...	26.02	1.156e2					1.3	NO		bb		0.000
3	FUNCTION1 HXCD...	24.66	7.817e1					1.6	NO		bb		0.000
4	FUNCTION1 HXCD...	24.23	7.395e1					1.7	NO		bb		0.000
5	FUNCTION1 HXCD...	22.89	8.777e1					2.1	NO		bb		0.000
6	FUNCTION1 HXCD...	22.12	9.312e1					2.0	NO		bb		0.000
7	FUNCTION1 HXCD...	28.18	8.248e1					1.4	NO		bb		0.000
8	FUNCTION1 HXCD...	27.27	1.182e2					3.0	NO		bb		0.000

ETHERS2

	Compound	RT	Ion1Area	Ion2Area	RRF	Ratio	Pred R	S/N 1	SNFlag	EMPC	Int.1	Int.2	pg
1	FUNCTION1 HPCD...	27.92	9.216e1					2.2	NO		db		0.000
2	FUNCTION1 HPCD...	27.82	1.617e2					1.4	NO		bd		0.000
3	FUNCTION1 HPCD...	27.39	8.356e1					1.1	NO		db		0.000
4	FUNCTION1 HPCD...	27.27	1.409e2					2.9	NO		bd		0.000
5	FUNCTION1 HPCD...	26.70	9.683e1					1.7	NO		bb		0.000
6	FUNCTION1 HPCD...	26.17	7.773e1					2.2	NO		db		0.000
7	FUNCTION1 HPCD...	26.05	1.054e2					2.2	NO		dd		0.000
8	FUNCTION1 HPCD...	25.88	1.216e2					2.3	NO		bd		0.000
9	FUNCTION1 HPCD...	23.98	7.990e1					2.0	NO		bb		0.000
10	FUNCTION1 HPCD...	22.19	1.259e2					1.9	NO		db		0.000
11	FUNCTION1 HPCD...	22.10	1.407e2					1.9	NO		bd		0.000
12	FUNCTION1 HPCD...	21.94	8.465e1					2.2	NO		db		0.000
13	FUNCTION1 HPCD...	21.87	1.331e2					3.2	YES		bd		0.000

ETHERS3

	Compound	RT	Ion1Area	Ion2Area	RRF	Ratio	Pred R	S/N 1	SNFlag	EMPC	Int.1	Int.2	pg
1	FUNCTION2 HPCD...	31.23	1.018e2					3.1	YES		bb		0.000
2	FUNCTION2 HPCD...	31.02	9.769e1					2.9	NO		bb		0.000
3	FUNCTION2 HPCD...	28.69	8.773e1					2.0	NO		bb		0.000
4	FUNCTION2 HPCD...	28.50	1.006e2					2.1	NO		bb		0.000
5	FUNCTION2 HPCD...	28.43	7.510e1					2.4	NO		bb		0.000

ID: CS3T1, Name: 23020702, Date: 07-Feb-2023, Time: 09:25:16, Conditions: AUTOSPEC01, User: pk

ETHERS4

	Compound	RT	Ion1Area	Ion2Area	RRF	Ratio	Pred R	S/N 1	SNFlag	EMPC	Int.1	Int.2	pg
1	FUNCTION3 OCDPE	33.32	8.159e1					2.1	NO		bb		0.000

ETHERS5

	Compound	RT	Ion1Area	Ion2Area	RRF	Ratio	Pred R	S/N 1	SNFlag	EMPC	Int.1	Int.2	pg
1	FUNCTION4 NCDPE	41.94	7.078e1					3.3	YES		bb		0.000
2	FUNCTION4 NCDPE	40.42	1.160e2					2.9	NO		bb		0.000

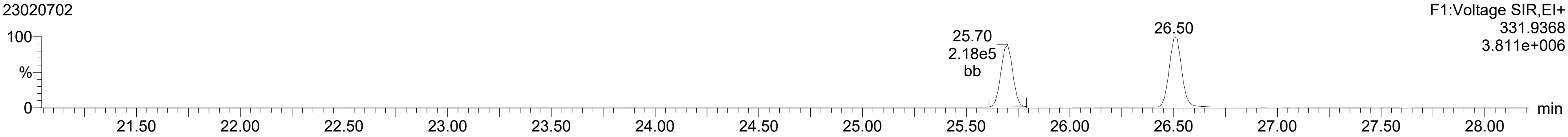
ETHERS6

	Compound	RT	Ion1Area	Ion2Area	RRF	Ratio	Pred R	S/N 1	SNFlag	EMPC	Int.1	Int.2	pg
1													

Method: T:\Autospec\Methods\Dioxin230206.mdb 07 Feb 2023 09:29:10
Calibration: T:\Autospec\Curves\230201ICIH.cdb 03 Feb 2023 10:33:40

ID: CS3T1, Name: 23020702, Date: 07-Feb-2023, Time: 09:25:16, Conditions: AUTOSPEC01, User: pk

13C-1234-TCDD



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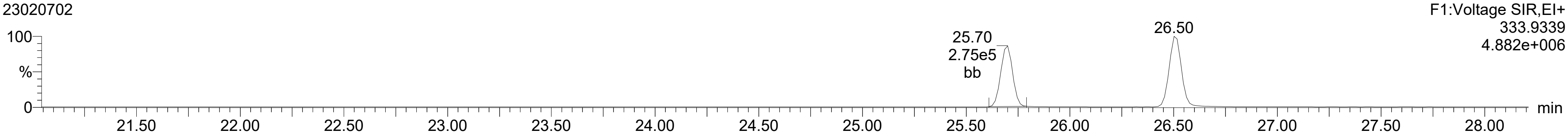
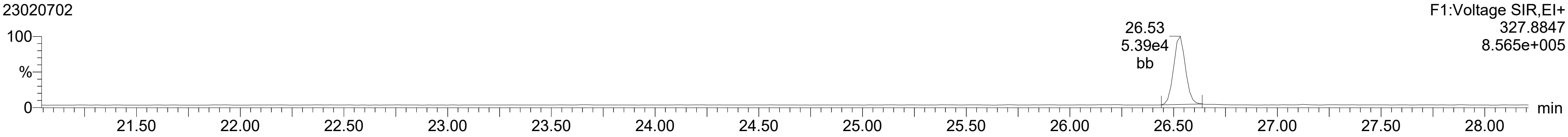


37CL-2378-TCDD



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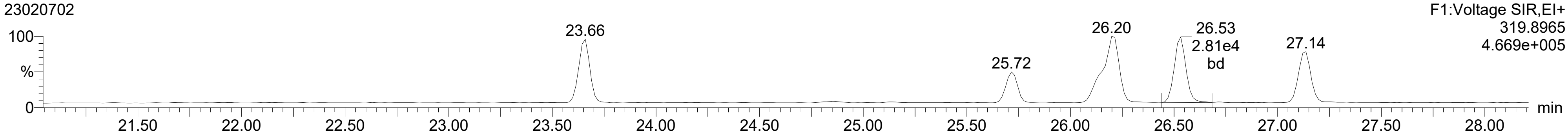

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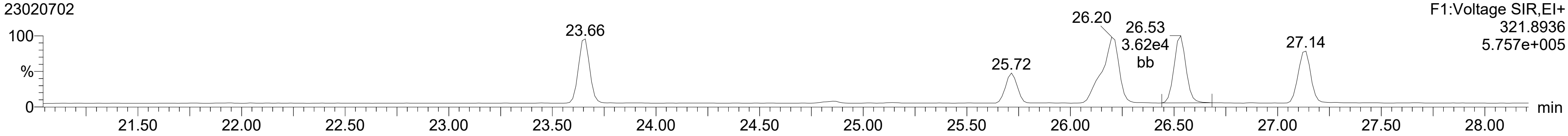

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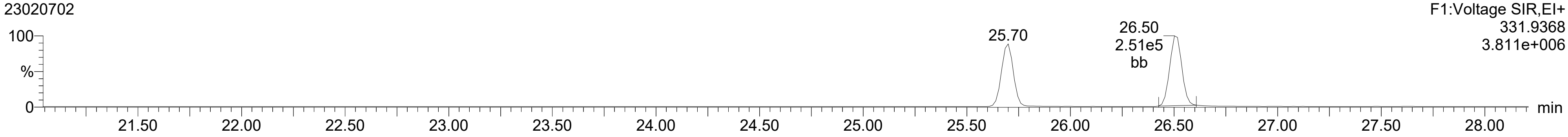

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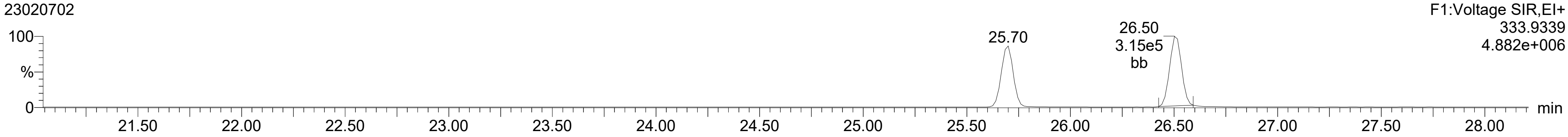

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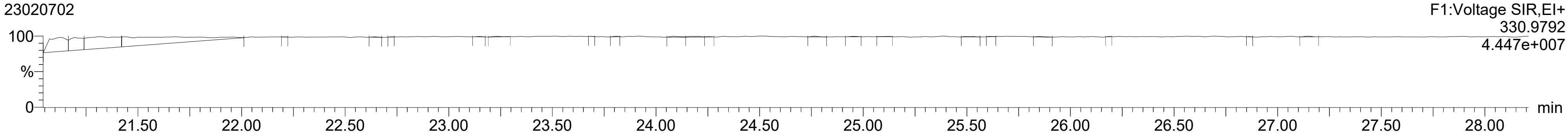

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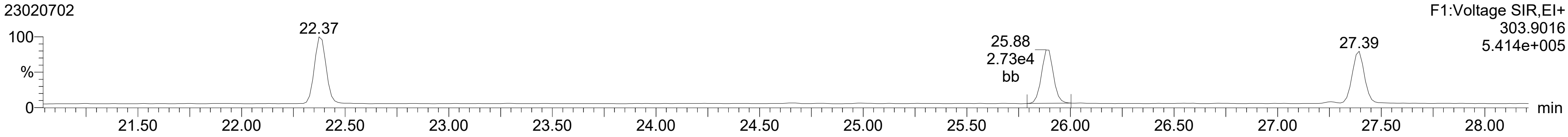

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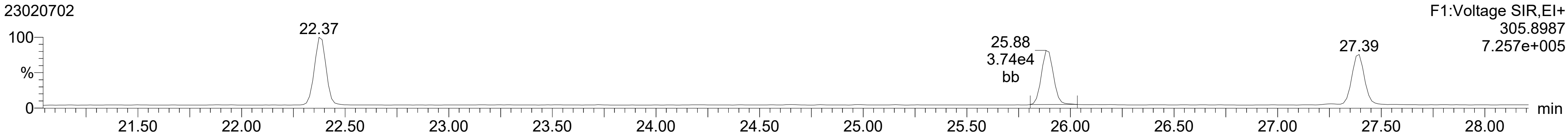

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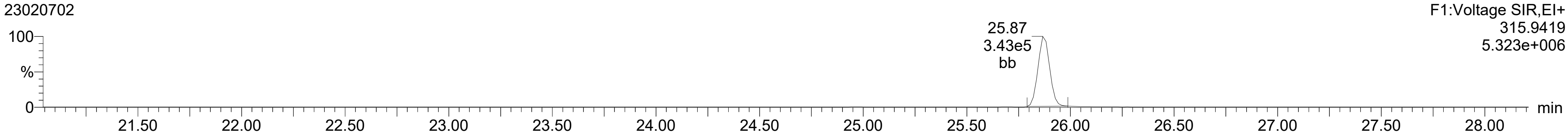

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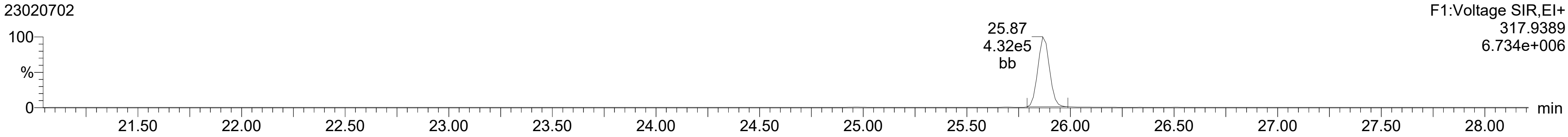

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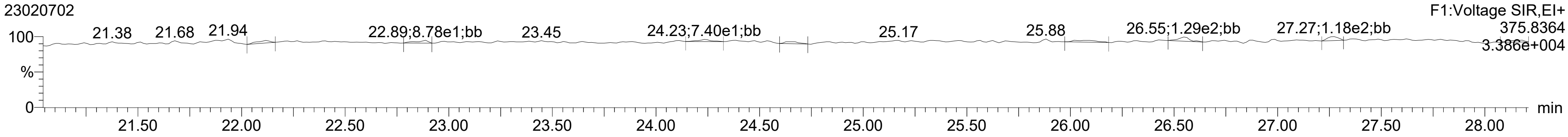

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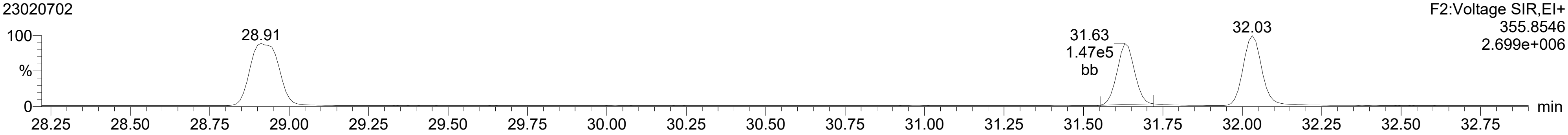
12378-PeCDD



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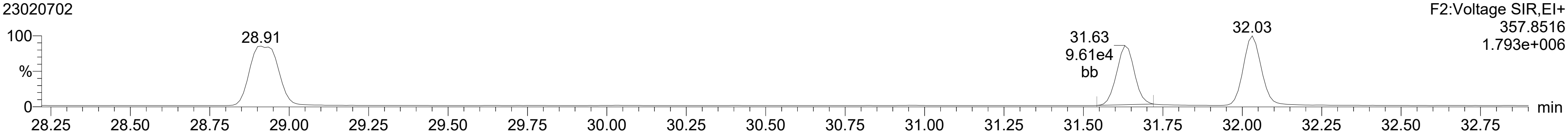

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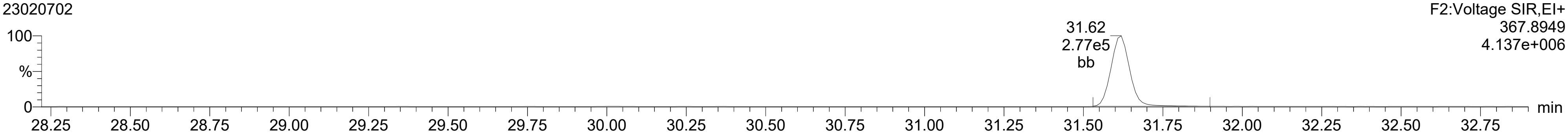

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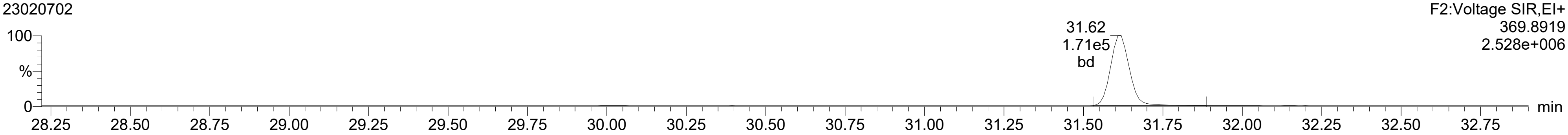

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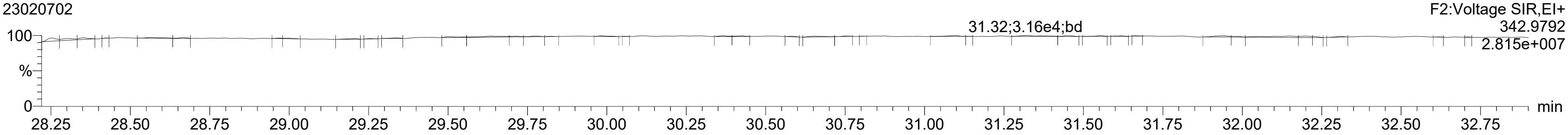

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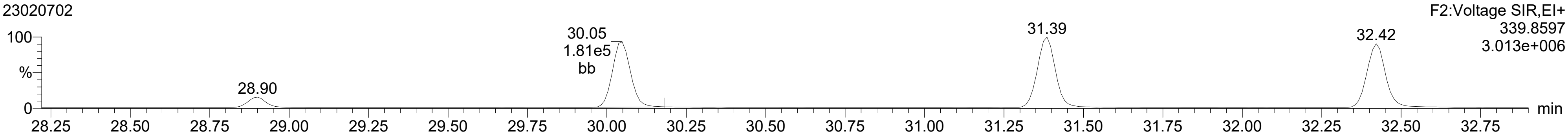

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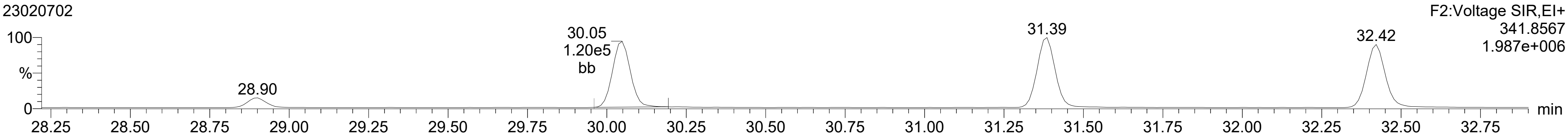

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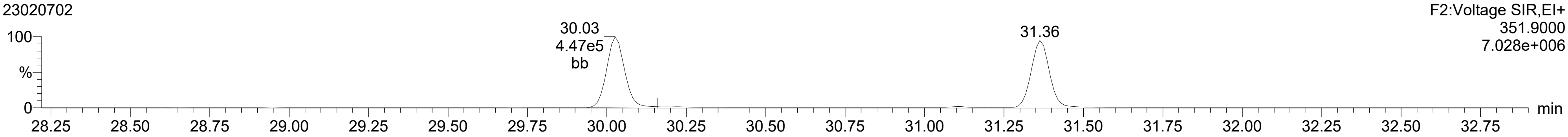

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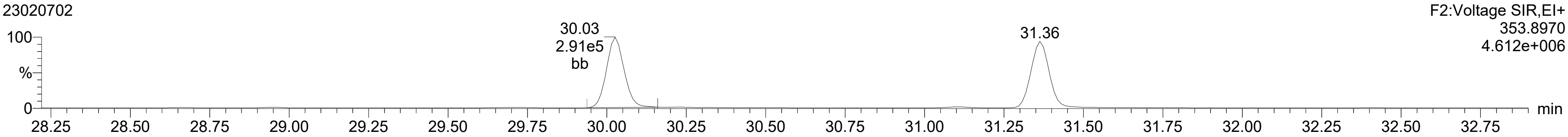

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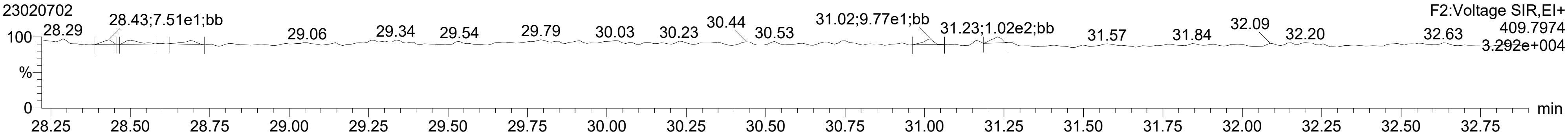

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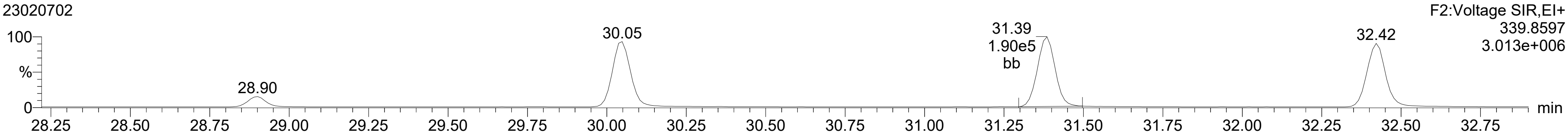

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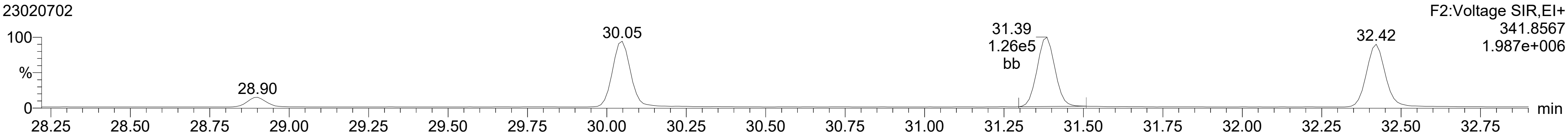

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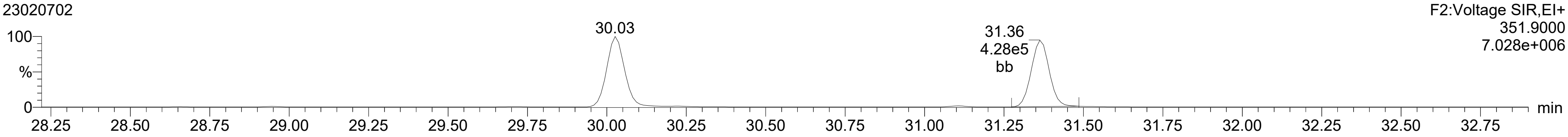

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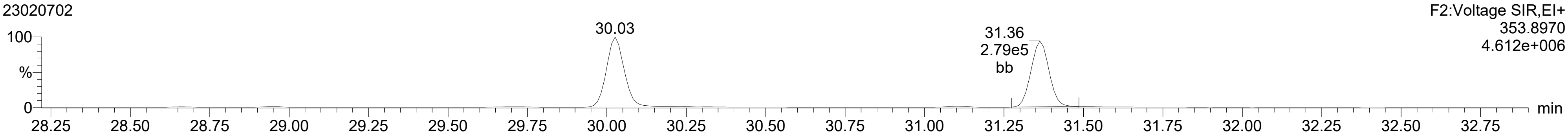

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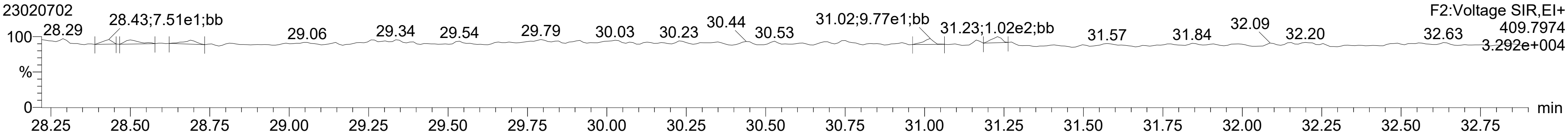

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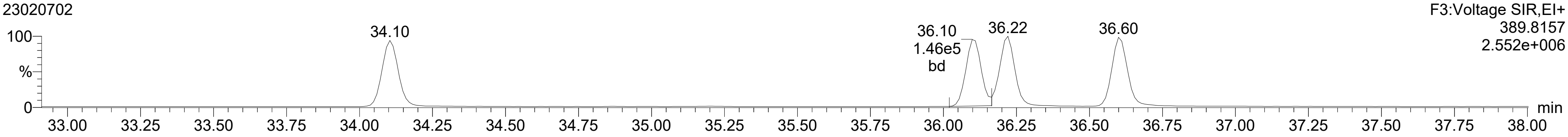
123478-HxCDD



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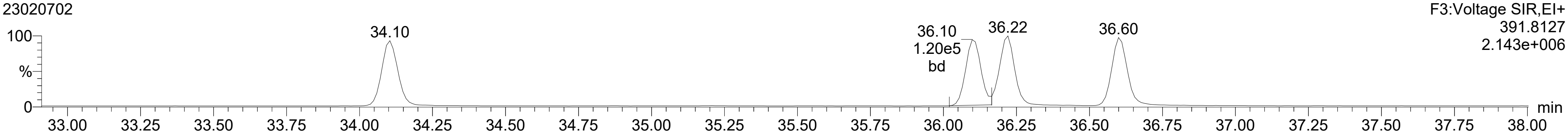

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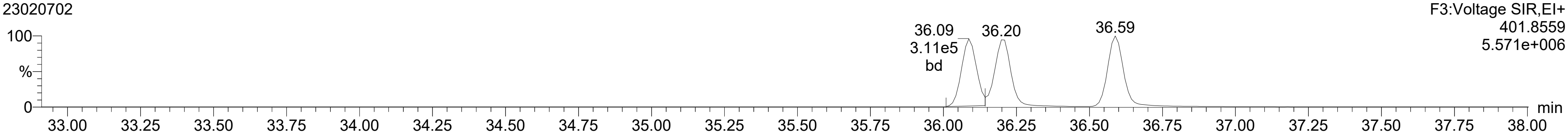

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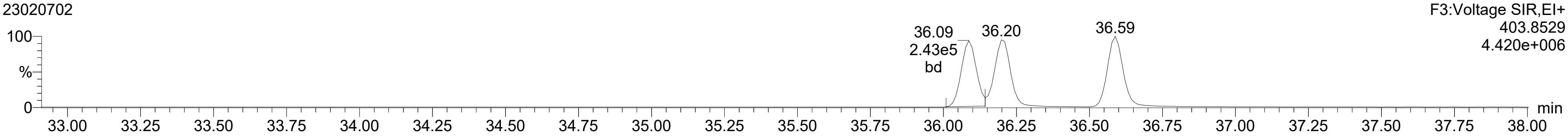

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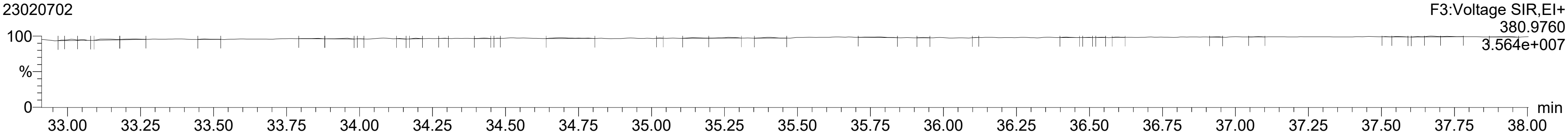

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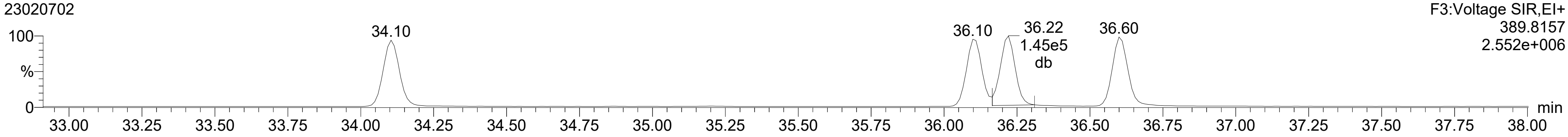

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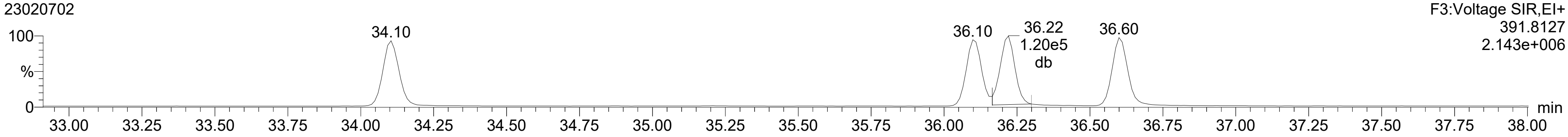

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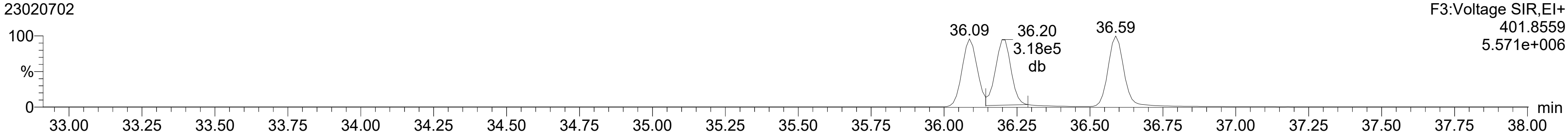

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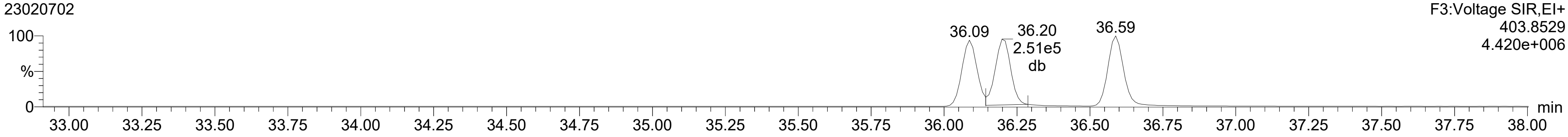

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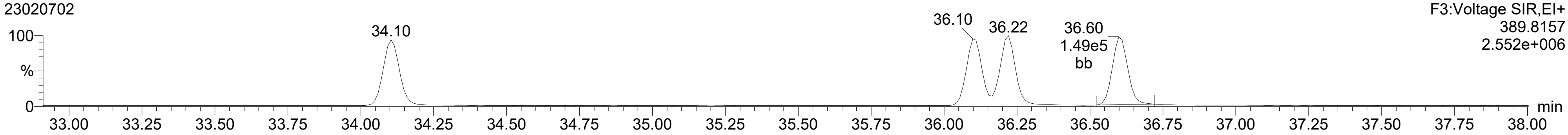

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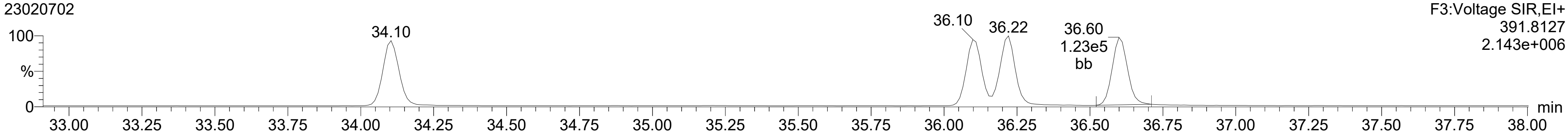

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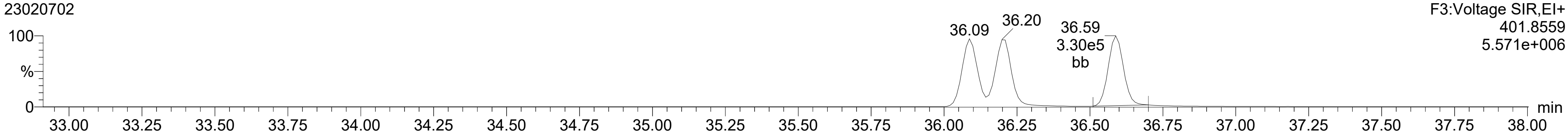

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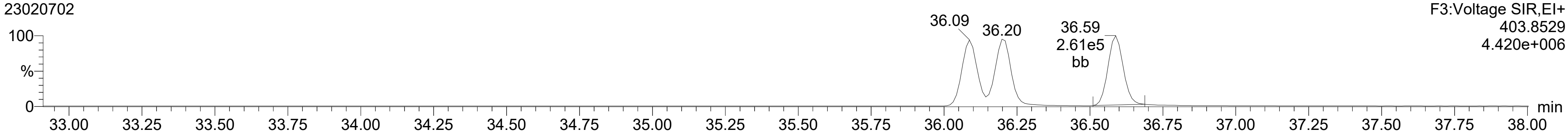

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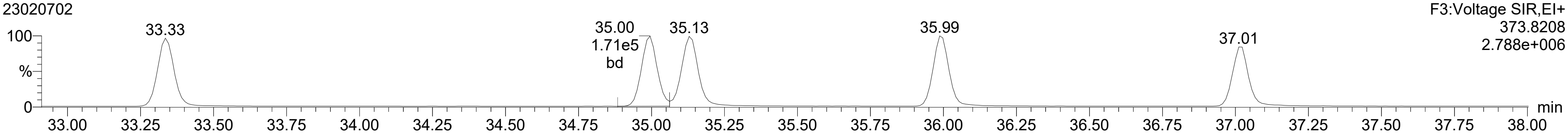

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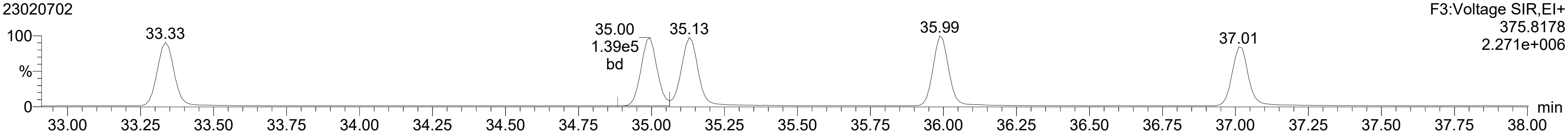

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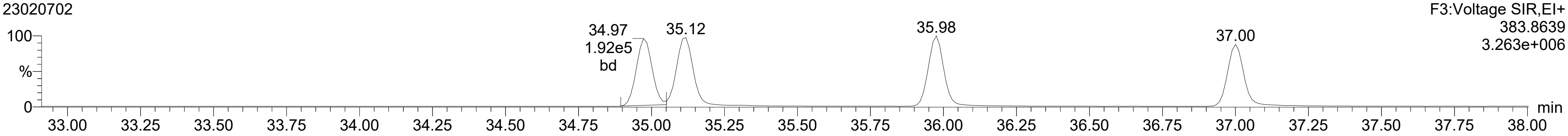

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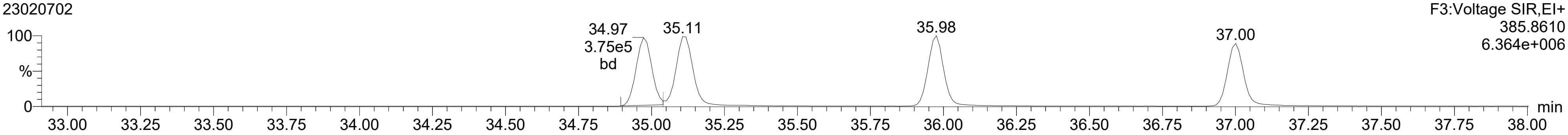
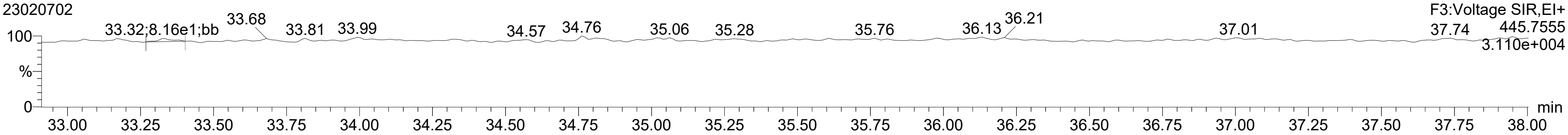


FUNCTION3 OCDPE



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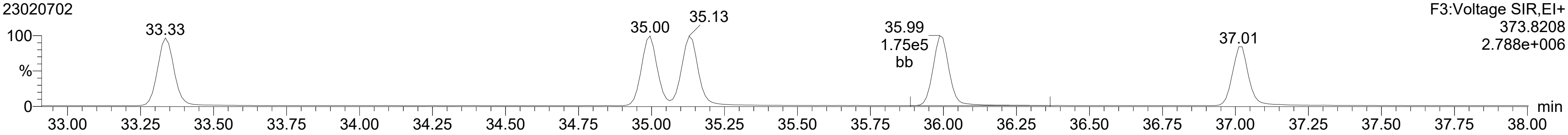

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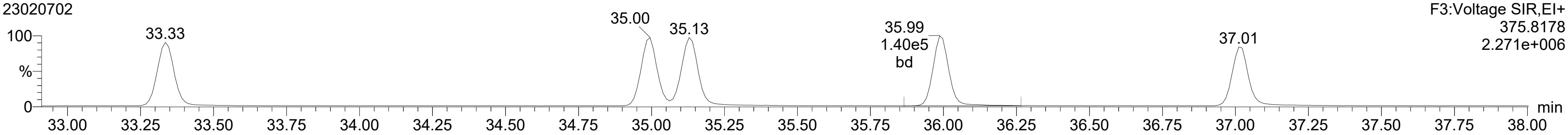

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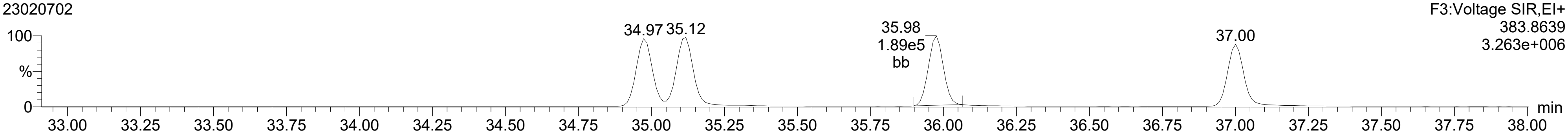

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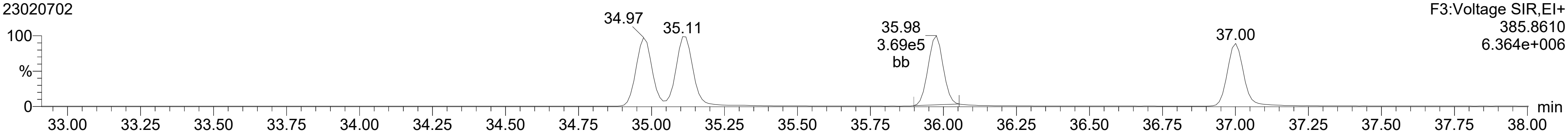

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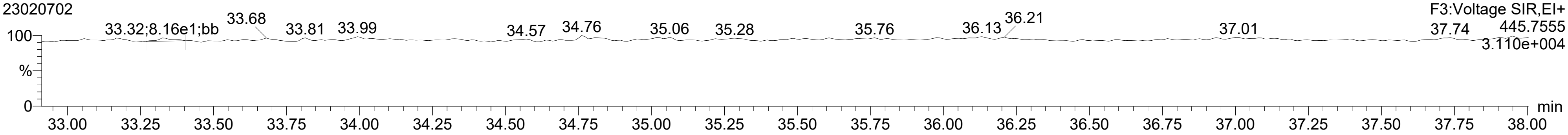

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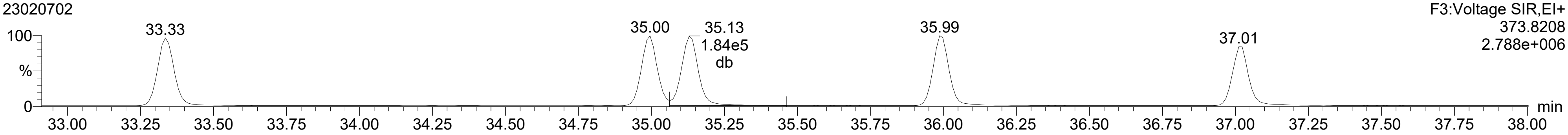

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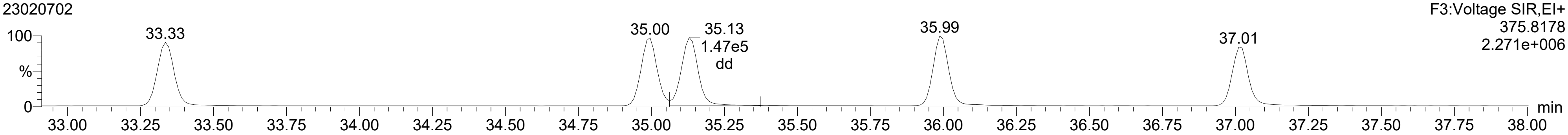

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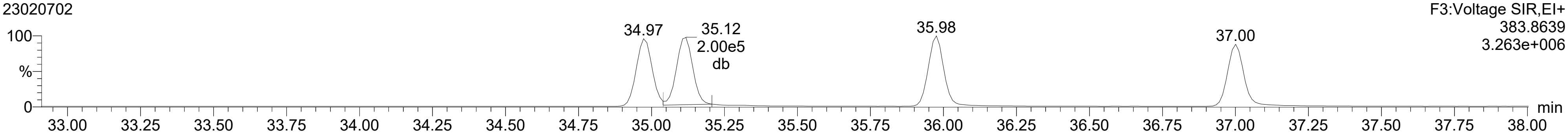

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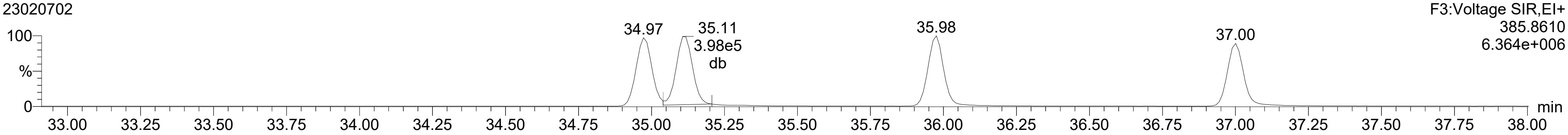
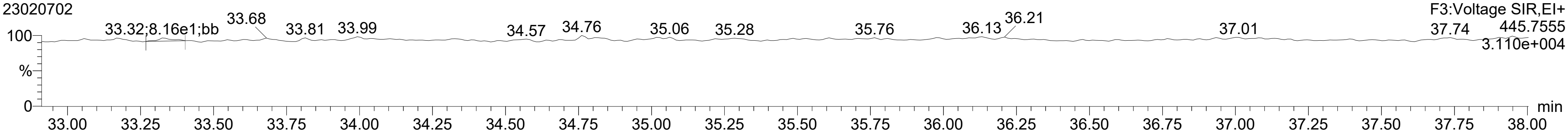


FUNCTION3 OCDPE



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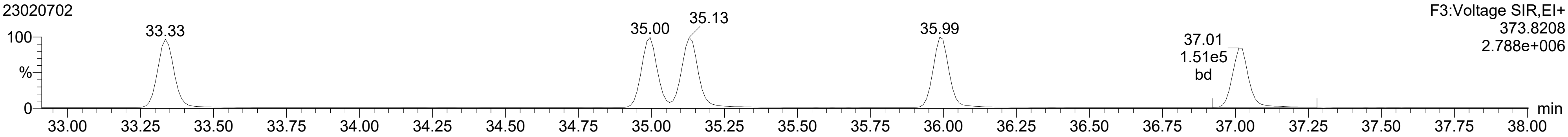

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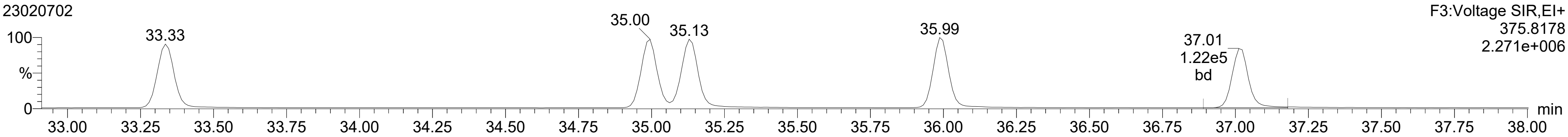

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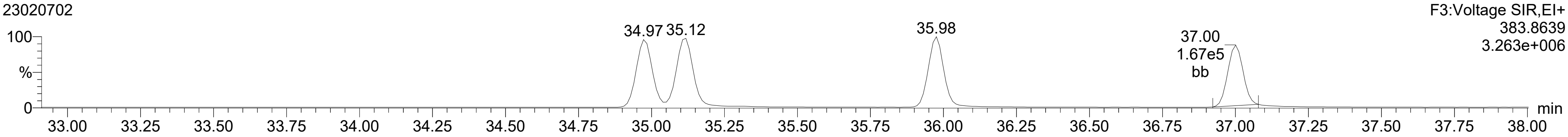

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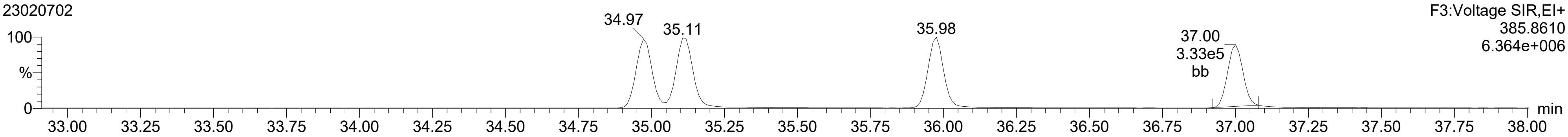
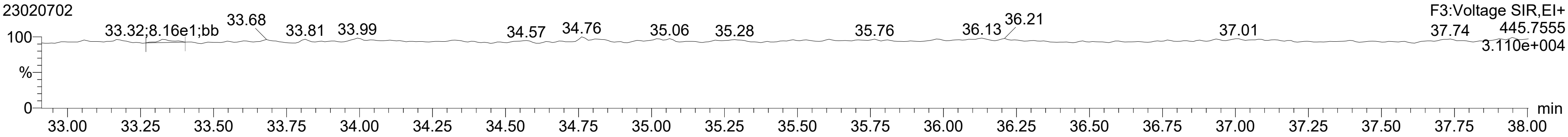


FUNCTION3 OCDPE



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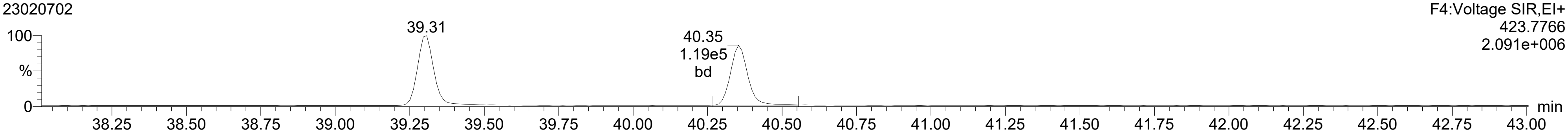

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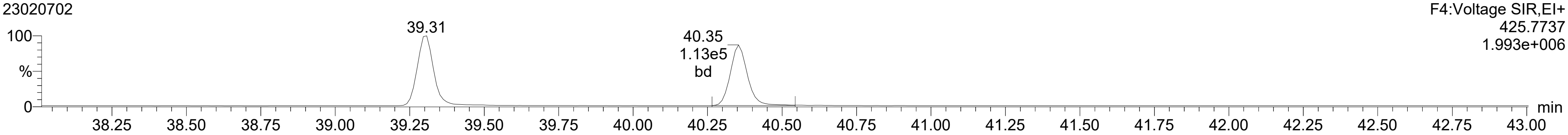

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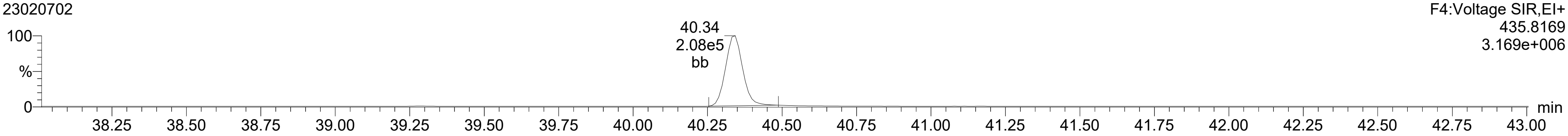

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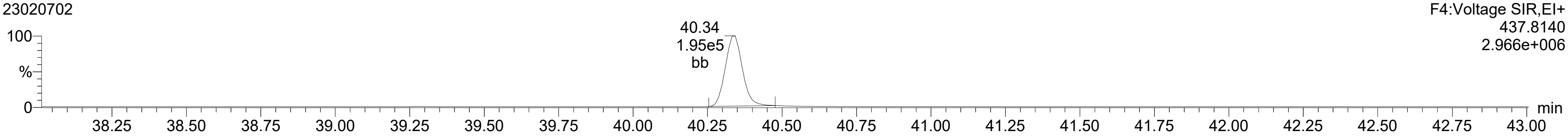

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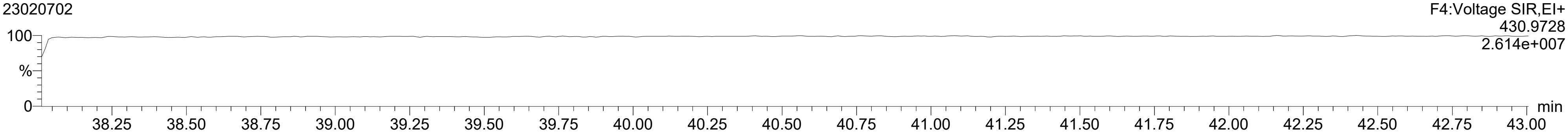

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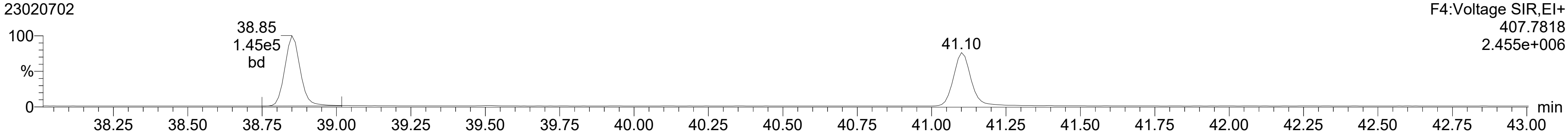

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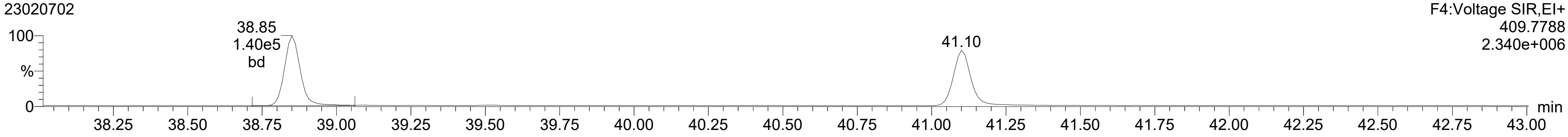

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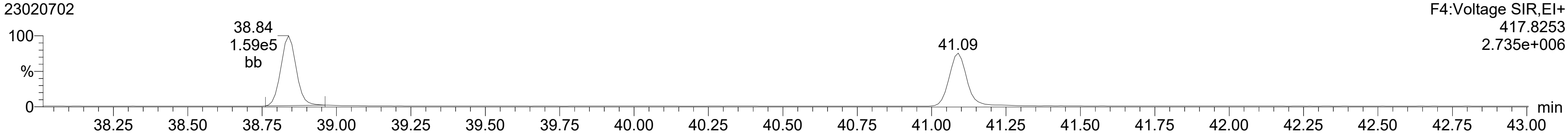

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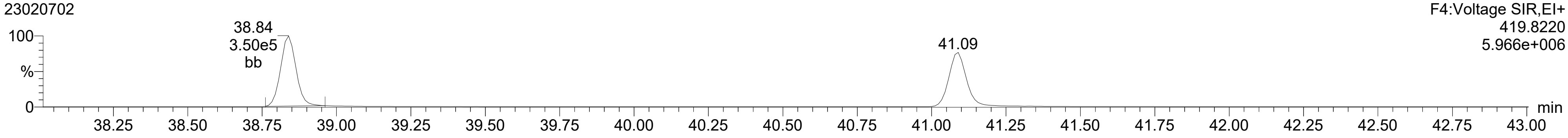

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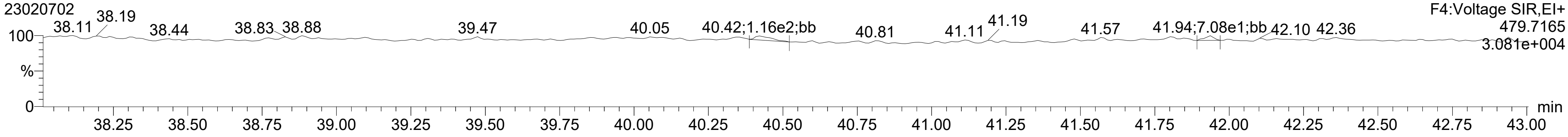

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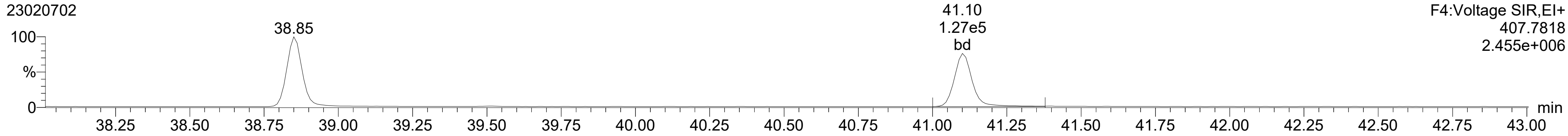

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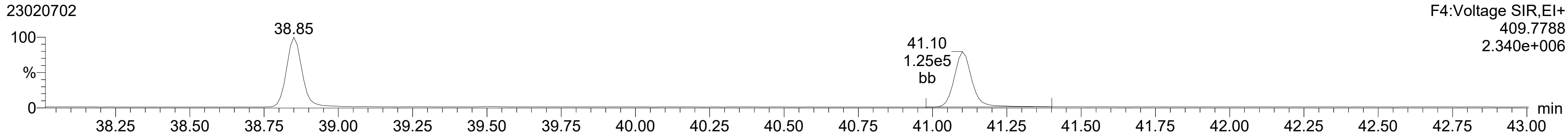

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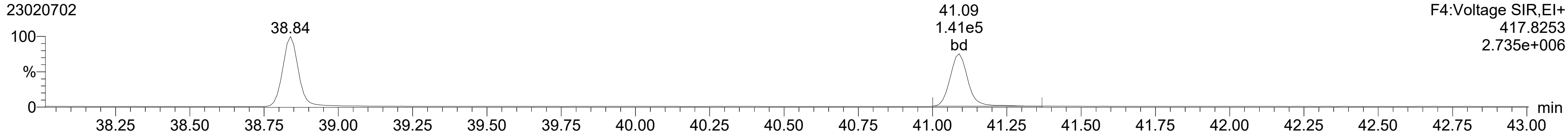

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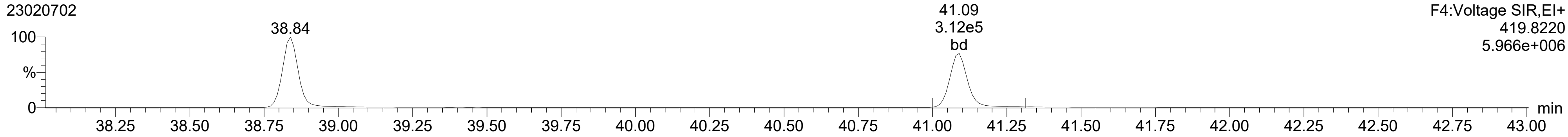

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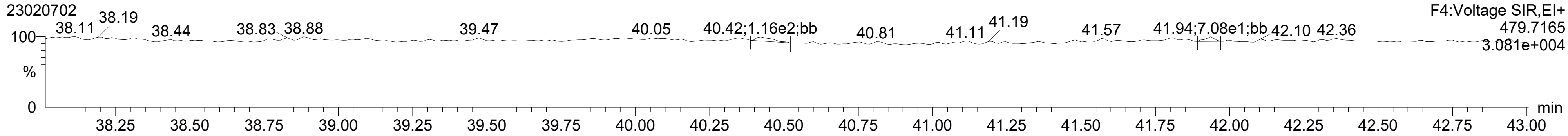

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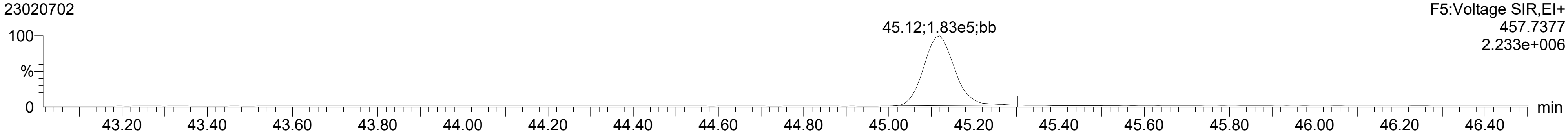

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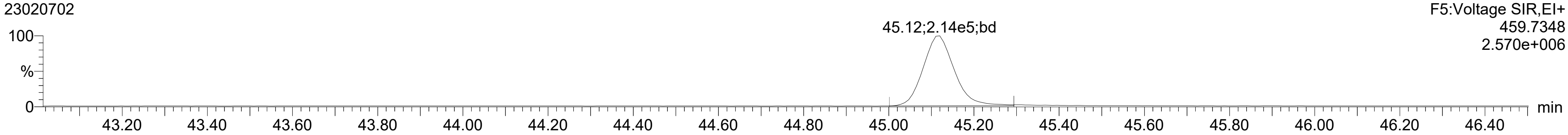

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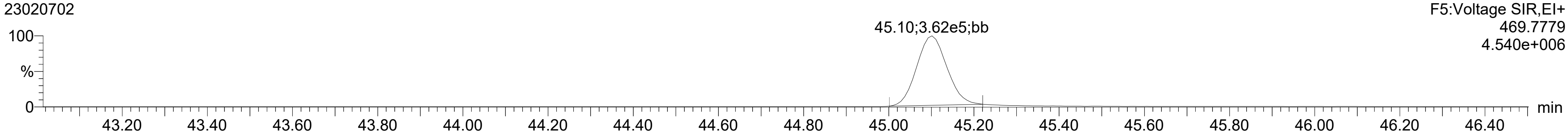

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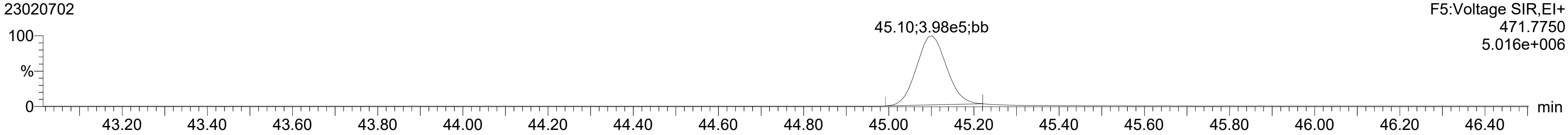

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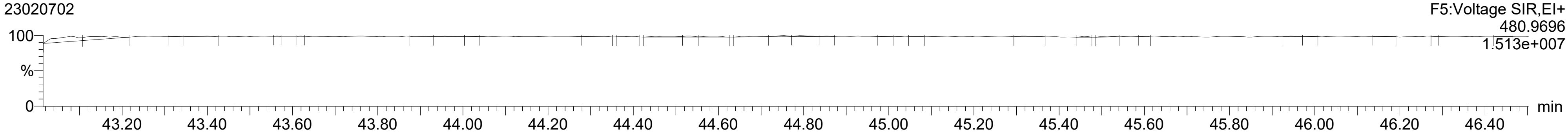

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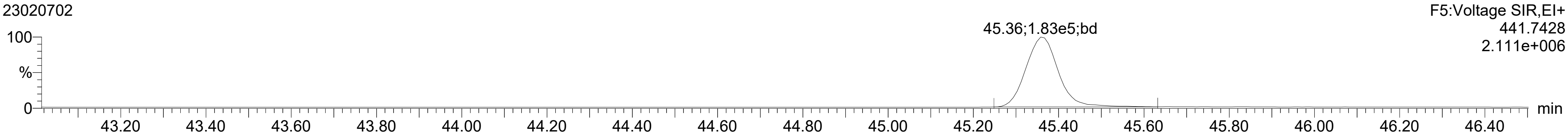

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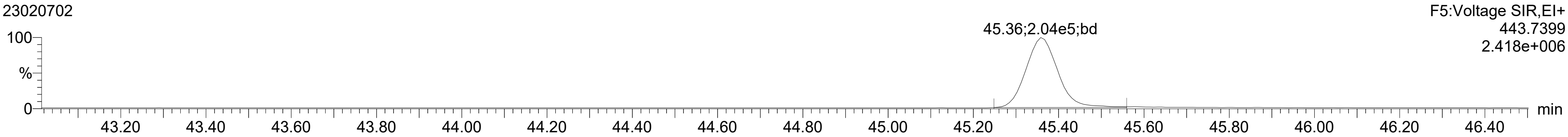

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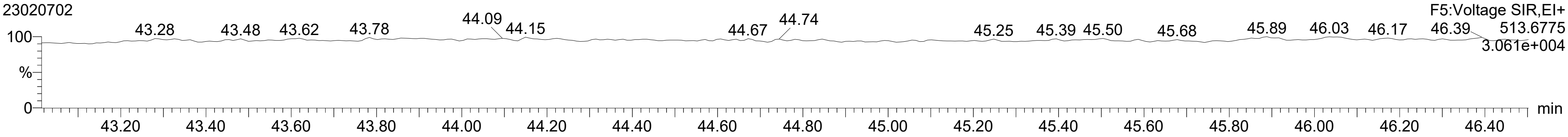

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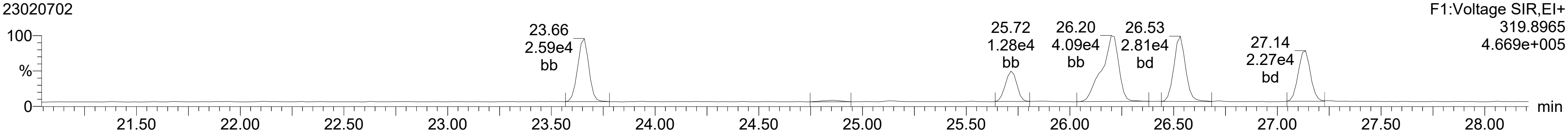
Total-tetradioxins



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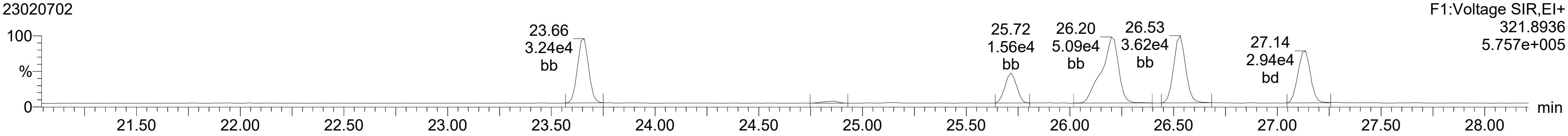

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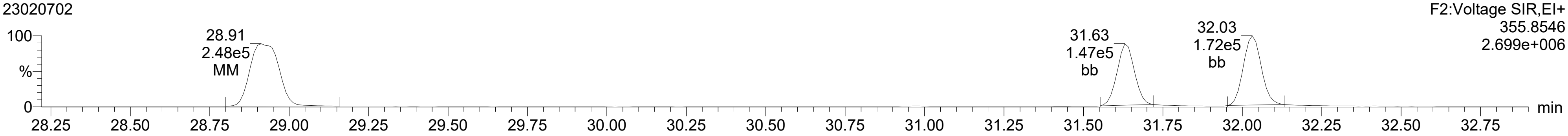

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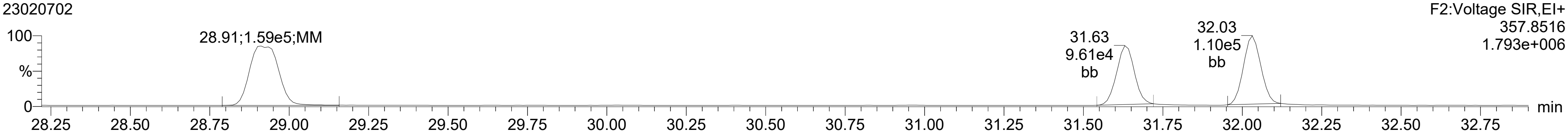

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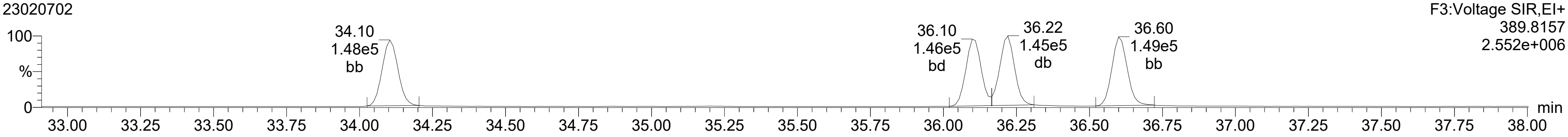
Total-hexadioxins



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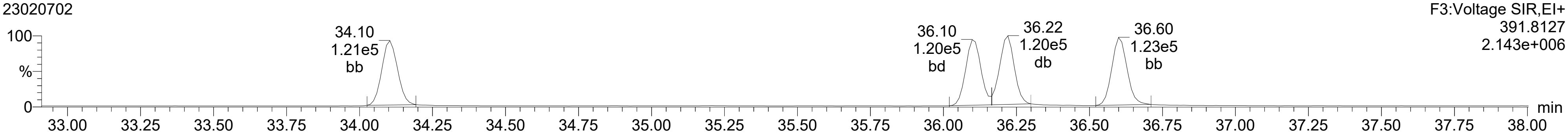

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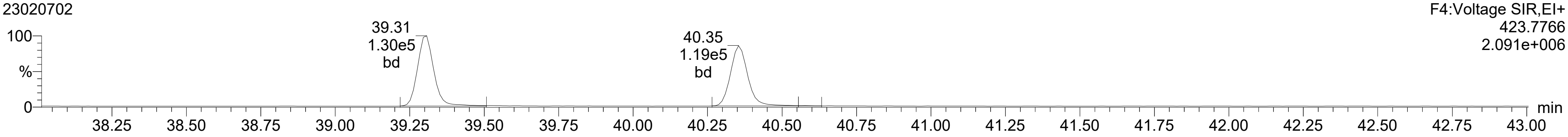
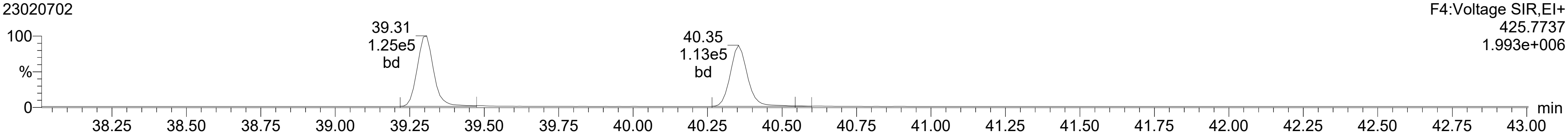


Total-heptadioxins



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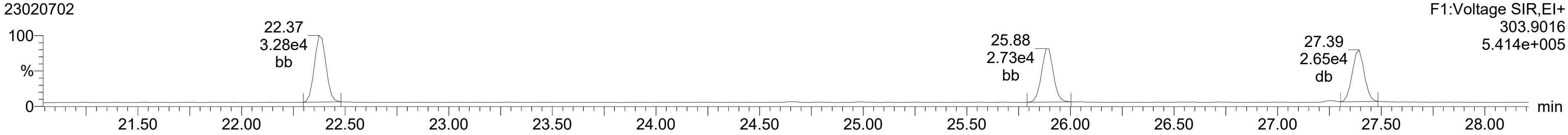
Total-tetrafurans



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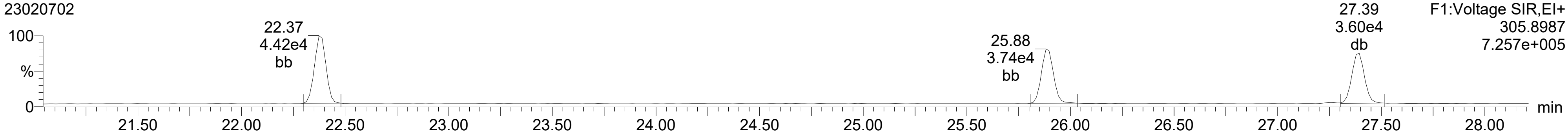

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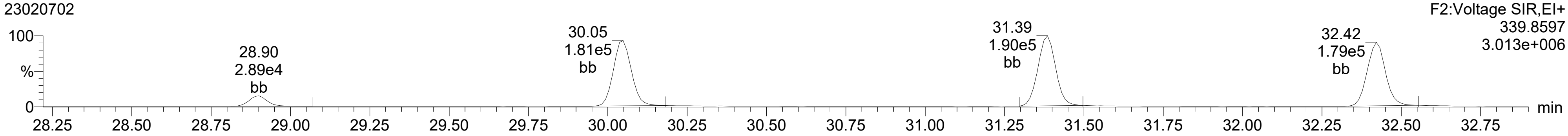

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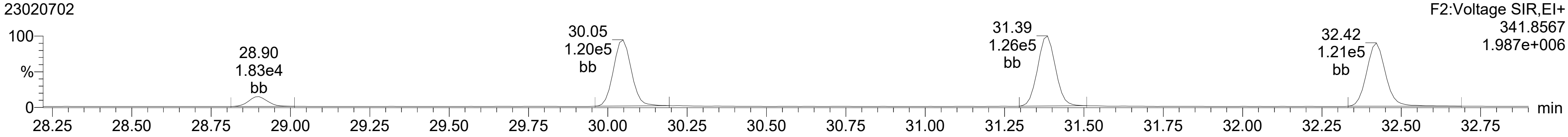

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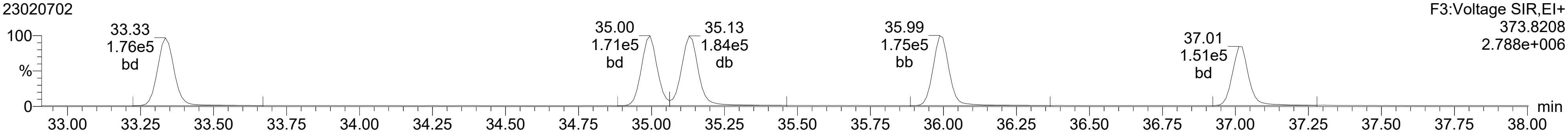

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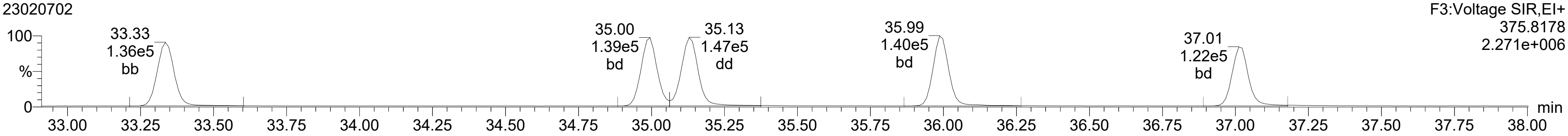

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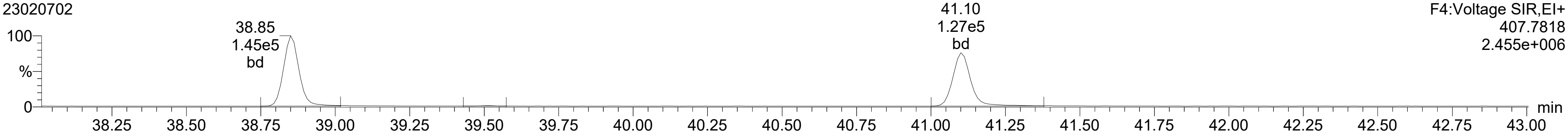

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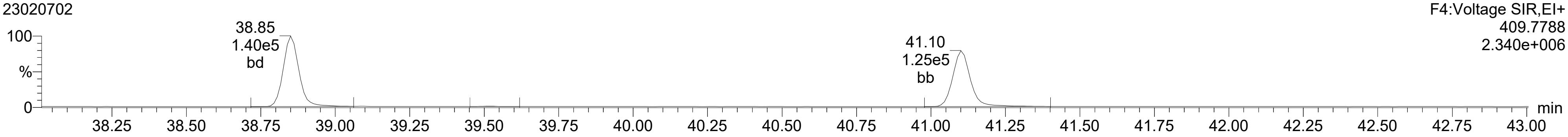

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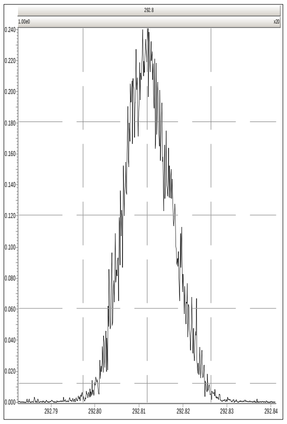

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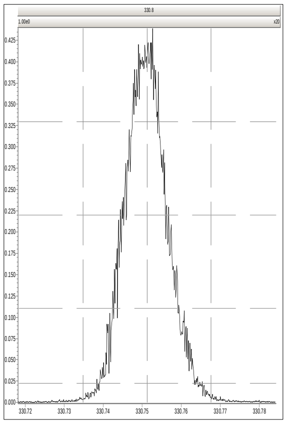

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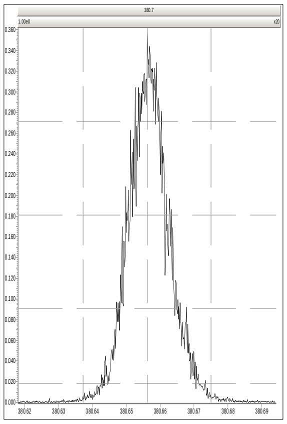

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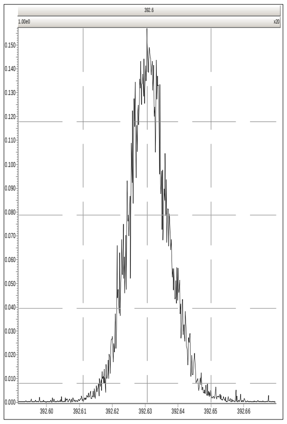

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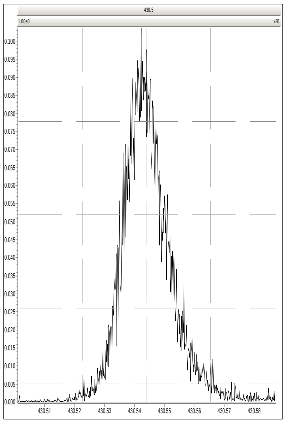

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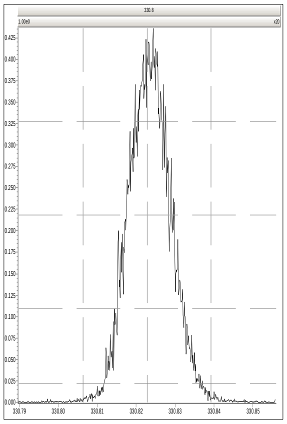

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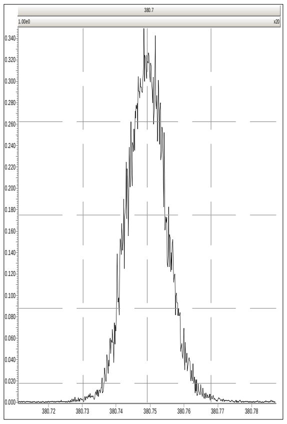

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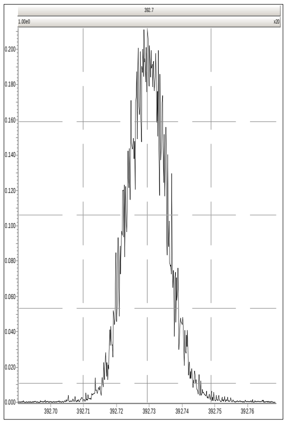

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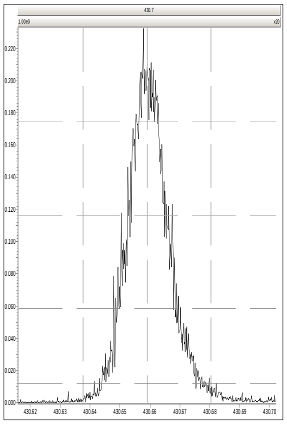

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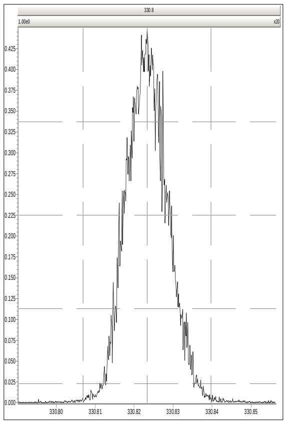

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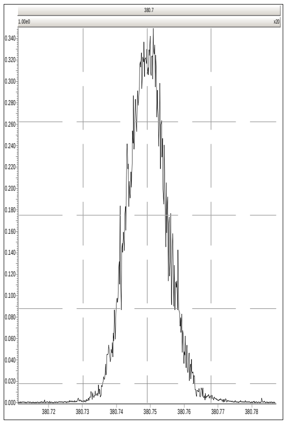

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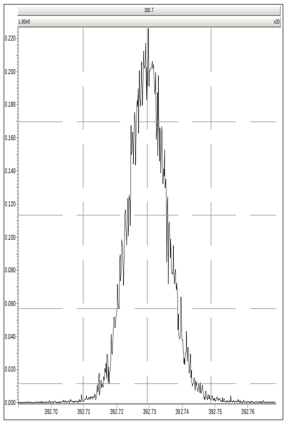

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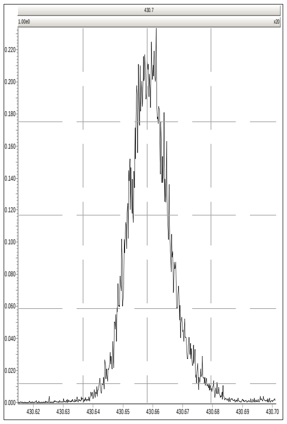

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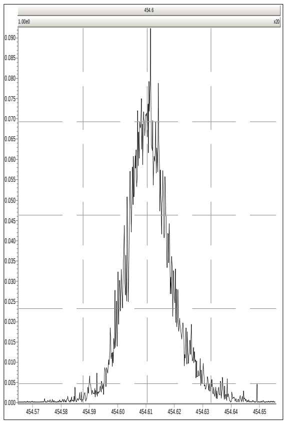

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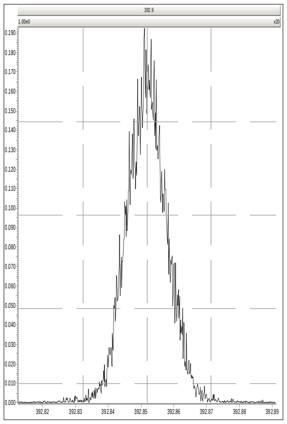

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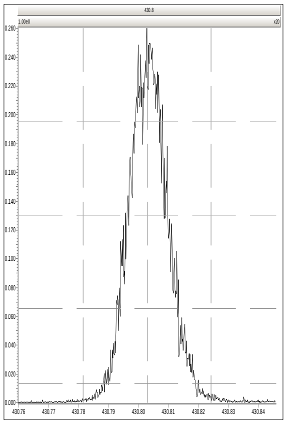

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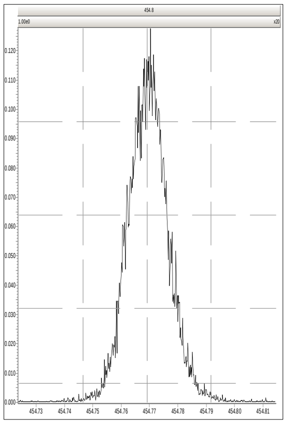

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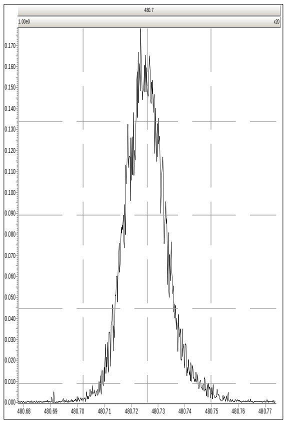

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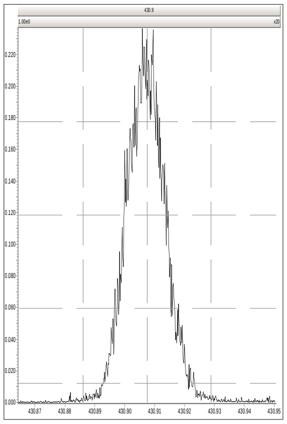

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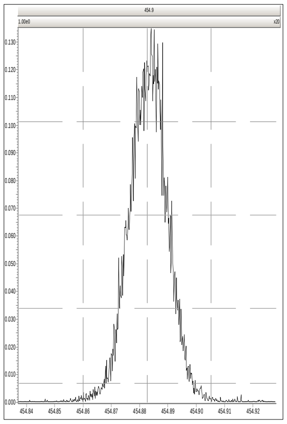

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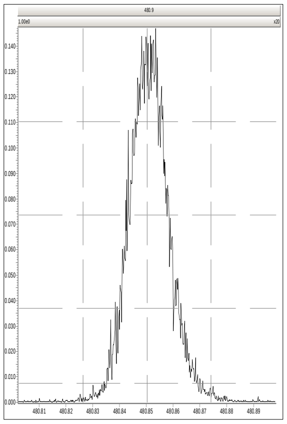

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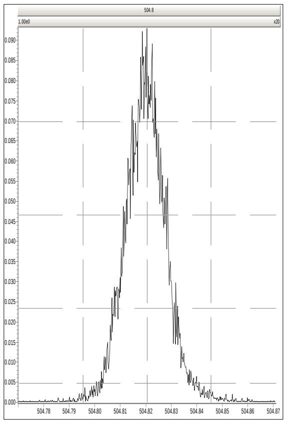
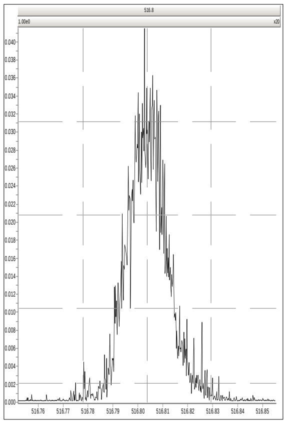
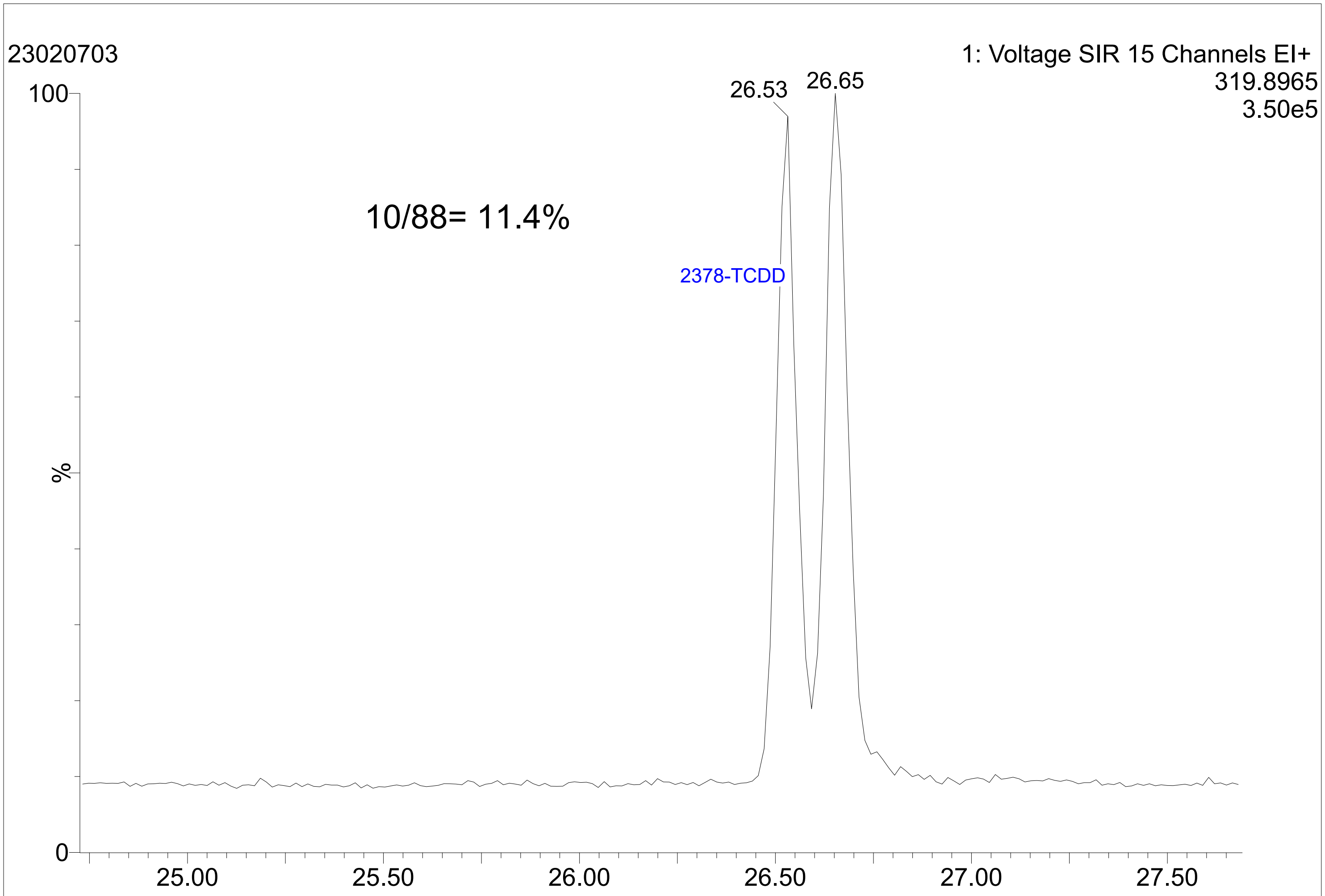
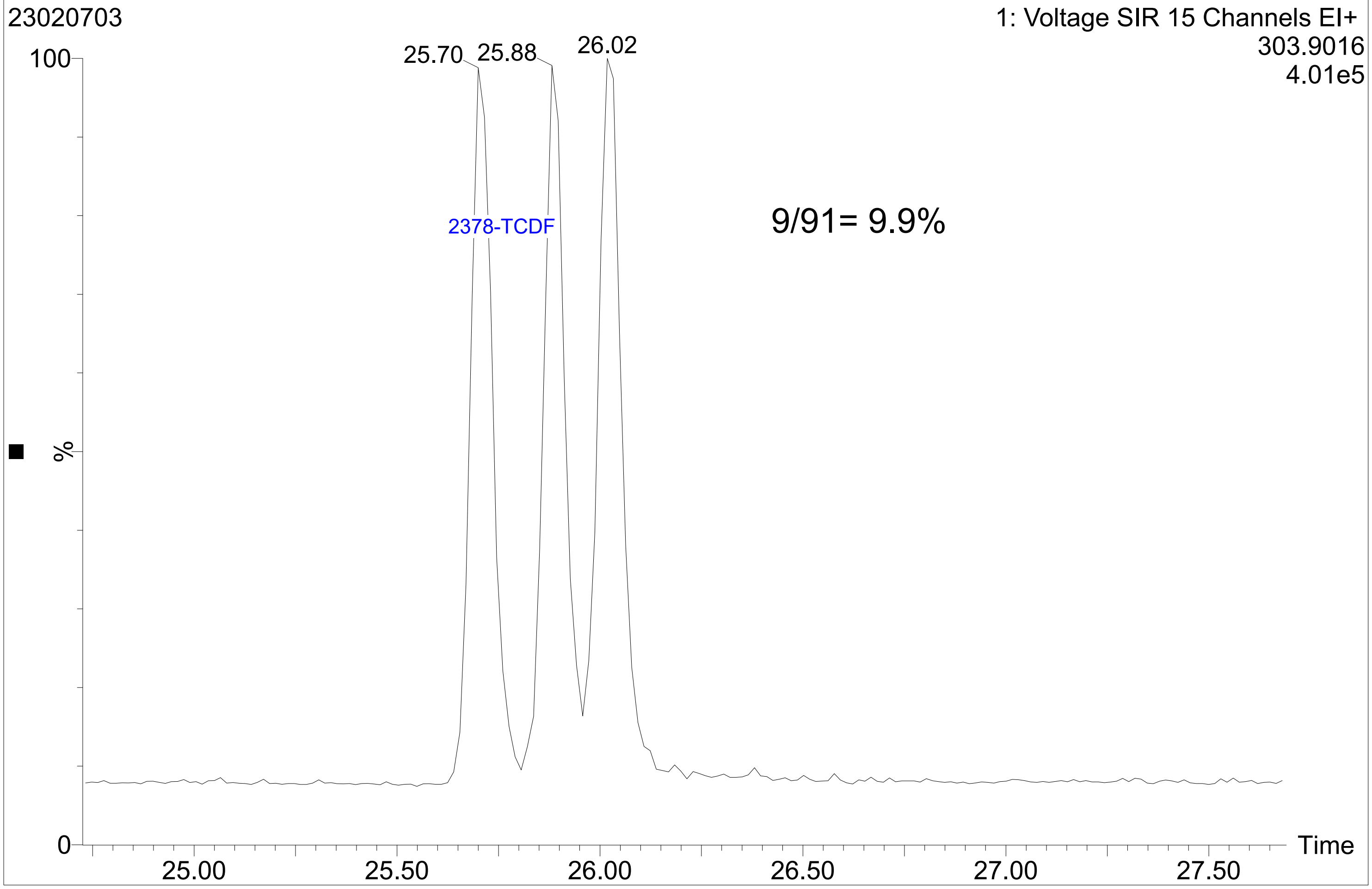


M 516.9697 R 15153




23020703
1: Voltage SIR 15 Channels EI+
319.8965
3.50e5
100
26.53
26.65
10/88= 11.4%
2378-TCDD
%
0
25.00
25.50
26.00
26.50
27.00
27.50


23020703
1: Voltage SIR 15 Channels EI+
303.9016
4.01e5
100
25.70
25.88
26.02
2378-TCDF
9/91= 9.9%
%
0
Time
25.00
25.50
26.00
26.50
27.00
27.50

INITIAL CALIBRATION CHECK
EPA 1613B

Laboratory: Analytical Resources, LLC
Client: Anchor QEA, LLC
Instrument ID: AUTOSPEC01
Lab File ID: 23020902
Sequence: SLB0130
Lab Sample ID: SLB0130-ICV1
Sequence Name: CS3U1

SDG: 22L0307
Project: AOC4 UR Phase 3
Calibration: GB00010
Calibration Date: 02/01/2023
Injection Date: 02/09/23
Injection Time: 14:51

		CONC. (ng/mL)		RESPONSE FACTOR			% DRIFT/DIFF	
COMPOUND	TYPE	STD	ICV	ICAL	ICV	MIN	ICV	LIMIT
2,3,7,8-TCDF	A	10.000	10.4	0.8760604	0.9132052		4.2	+/-16
2,3,7,8-TCDD	A	10.000	9.86	1.2363600	1.2196210		-1.4	+/-22
1,2,3,7,8-PeCDF	A	50.000	49.7	0.8446540	0.8399508		-0.6	+/-18
2,3,4,7,8-PeCDF	A	50.000	51.1	0.9111780	0.9320544		2.3	+/-18
1,2,3,7,8-PeCDD	A	50.000	49.6	1.0866850	1.0787500		-0.7	+/-22
1,2,3,4,7,8-HxCDF	A	50.000	47.9	1.1816860	1.1329170		-4.1	+/-10
1,2,3,6,7,8-HxCDF	A	50.000	48.2	1.2480480	1.2033120		-3.6	+/-12
2,3,4,6,7,8-HxCDF	A	50.000	50.5	1.2288500	1.2415130		1.0	+/-12
1,2,3,7,8,9-HxCDF	A	50.000	50.7	1.1865370	1.2021120		1.3	+/-10
1,2,3,4,7,8-HxCDD	A	50.000	49.8	0.9869672	0.9831369		-0.4	+/-22
1,2,3,6,7,8-HxCDD	A	50.000	46.9	1.0207220	0.9579534		-6.1	+/-22
1,2,3,7,8,9-HxCDD	A	50.000	47.3	0.9854780	0.9320630		-5.4	+/-18
1,2,3,4,6,7,8-HpCDF	A	50.000	46.4	1.2041190	1.1175200		-7.2	+/-10
1,2,3,4,7,8,9-HpCDF	A	50.000	47.4	1.1653050	1.1050470		-5.2	+/-14
1,2,3,4,6,7,8-HpCDD	A	50.000	46.3	1.2525690	1.1587210		-7.5	+/-14
OCDF	A	100.00	93.7	1.1862640	1.1116830		-6.3	+/-37
OCDD	A	100.00	97.5	1.1026670	1.0754920		-2.5	+/-21
13C12-2,3,7,8-TCDF	A	100.00	98.5	1.7680590	1.7419228		-1.5	+/-29
13C12-2,3,7,8-TCDD	A	100.00	103	1.1029470	1.1361332		3.0	+/-18
13C12-1,2,3,7,8-PeCDF	A	100.00	100	1.5271250	1.5339807		0.4	+/-24
13C12-2,3,4,7,8-PeCDF	A	100.00	98.2	1.4662840	1.4396870		-1.8	+/-23
13C12-1,2,3,7,8-PeCDD	A	100.00	96.8	0.9141518	0.8851946		-3.2	+/-38
13C12-1,2,3,4,7,8-HxCDF	A	100.00	99.2	1.0536610	1.0452076		-0.8	+/-24
13C12-1,2,3,6,7,8-HxCDF	A	100.00	109	1.0799530	1.1818185		9.4	+/-30
13C12-2,3,4,6,7,8-HxCDF	A	100.00	101	1.0143260	1.0225192		0.8	+/-27
13C12-1,2,3,7,8,9-HxCDF	A	100.00	93.1	0.9279333	0.8635822		-6.9	+/-26
13C12-1,2,3,4,7,8-HxCDD	A	100.00	102	0.9329336	0.9497303		1.8	+/-15
13C12-1,2,3,6,7,8-HxCDD	A	100.00	117	0.9646272	1.1271535		16.8	+/-15
13C12-1,2,3,4,6,7,8-HpCDF	A	100.00	103	1.0360890	1.0714166		3.4	+/-22
13C12-1,2,3,4,7,8,9-HpCDF	A	100.00	102	0.9049372	0.9238956		2.1	+/-23

* Values outside of QC limits

INITIAL CALIBRATION CHECK

EPA 1613B

Laboratory:	Analytical Resources, LLC	SDG:	22L0307
Client:	Anchor QEA, LLC	Project:	AOC4 UR Phase 3
Instrument ID:	AUTOSPEC01	Calibration:	GB00010
Lab File ID:	23020902	Calibration Date:	02/01/2023
Sequence:	SLB0130	Injection Date:	02/09/23
Lab Sample ID:	SLB0130-ICV1	Injection Time:	14:51
Sequence Name:	CS3U1		

		CONC. (ng/mL)		RESPONSE FACTOR			% DRIFT/DIFF	
COMPOUND	TYPE	STD	ICV	ICAL	ICV	MIN	ICV	LIMIT
13C12-1,2,3,4,6,7,8-HpCDD	A	100.00	104	0.7819773	0.8113810		3.8	+/-28
13C12-OCDD	A	200.00	190	0.7882343	0.7472733		-5.2	+/-52
37Cl4-2,3,7,8-TCDD	A	10.000	9.55	1.2334500	1.1774820		-4.5	

* Values outside of QC limits

Method: T:\Autospec\Methods\Dioxin230206.mdb 09 Feb 2023 15:53:04
Calibration: T:\Autospec\Curves\230201ICIH.cdb 03 Feb 2023 10:33:40

ID: CS3U1, Name: 23020902, Date: 09-Feb-2023, Time: 14:51:21, Conditions: AUTOSPEC01, User: pk

Compound	RT	RRT	Ion1Area	Ion2Area	RRF	Ratio	Pred R	Noise 1	Noise 2	Height 1	Height 2	S/N 1	S/N 2	EMPC	Int.1	Int.2	pg
2378-TCDF	25.916	1.001	3.919e4	5.353e4	0.876	0.732	0.770	1229	1465	5.75e5	7.73e5	468.0	527.7	NO	bb	bd	10.424
12378-PeCDF	30.087	1.001	2.300e5	1.455e5	0.845	1.580	1.550	3074	2653	3.22e6	2.09e6	1048.9	789.4	NO	bb	bb	49.722
23478-PeCDF	31.413	1.000	2.404e5	1.506e5	0.911	1.597	1.550	3074	2653	3.37e6	2.18e6	1097.0	821.0	NO	bd	bb	51.146
123478-HxCDF	35.034	1.000	1.771e5	1.417e5	1.182	1.250	1.240	2497	2750	2.77e6	2.21e6	1109.6	803.2	NO	bd	bd	47.936
234678-HxCDF	36.036	1.001	1.908e5	1.510e5	1.229	1.264	1.240	2497	2750	2.74e6	2.20e6	1097.8	798.4	NO	bb	bb	50.515
123678-HxCDF	35.167	1.000	2.092e5	1.738e5	1.248	1.204	1.240	2497	2750	2.75e6	2.22e6	1101.7	806.7	NO	dd	dd	48.208
123789-HxCDF	37.061	1.001	1.571e5	1.225e5	1.187	1.282	1.240	2497	2750	2.21e6	1.77e6	884.6	645.2	NO	bb	bb	50.656
1234678-HpCDF	38.900	1.000	1.599e5	1.625e5	1.204	0.984	1.050	2334	2187	2.57e6	2.53e6	1102.3	1157.6	NO	bb	bd	46.404
1234789-HpCDF	41.150	1.000	1.404e5	1.345e5	1.165	1.044	1.050	2334	2187	1.94e6	1.86e6	832.7	849.7	NO	bd	bd	47.414
OCDF	45.436	1.005	2.101e5	2.373e5	1.186	0.885	0.890	1068	1682	2.32e6	2.63e6	2167.4	1560.5	NO	bd	bd	93.713
2378-TCDD	26.551	1.001	3.524e4	4.552e4	1.236	0.774	0.770	1590	1077	5.14e5	6.60e5	323.2	613.1	NO	bb	bb	9.865
12378-PeCDD	31.669	1.001	1.681e5	1.102e5	1.087	1.525	1.550	2229	1280	2.51e6	1.63e6	1125.3	1271.8	NO	bb	bb	49.635
123478-HxCDD	36.137	1.000	1.413e5	1.101e5	0.987	1.283	1.240	1753	1399	2.23e6	1.82e6	1274.6	1303.8	NO	bd	bd	49.806
123678-HxCDD	36.259	1.001	1.634e5	1.274e5	1.021	1.283	1.240	1753	1399	2.34e6	1.88e6	1337.6	1341.5	NO	dd	db	46.925
123789-HxCDD	36.649	1.011	1.382e5	1.225e5	0.985	1.128	1.240	1753	1399	2.07e6	1.75e6	1183.6	1252.2	NO	bb	bd	47.290
1234678-HpCDD	40.404	1.000	1.317e5	1.215e5	1.253	1.084	1.050	1939	2176	1.83e6	1.73e6	942.8	796.5	NO	bd	bd	46.254
OCDD	45.198	1.000	2.005e5	2.323e5	1.103	0.863	0.890	1560	1486	2.29e6	2.55e6	1471.3	1718.6	NO	bd	bd	97.535
13C-2378-TCDF	25.901	1.007	4.529e5	5.623e5	1.768	0.805	0.770	2874	1562	6.51e6	8.15e6	2265.4	5221.8	NO	bb	bb	98.522
13C-12378-PeCDF	30.064	1.169	5.434e5	3.506e5	1.527	1.550	1.550	3428	2809	7.58e6	4.83e6	2211.0	1717.6	NO	bb	bb	100.449
13C-23478-PeCDF	31.402	1.221	5.131e5	3.260e5	1.466	1.574	1.550	3428	2809	7.48e6	4.81e6	2181.7	1713.0	NO	bb	bb	98.186
13C-123478-HxCDF	35.022	0.956	1.886e5	3.742e5	1.054	0.504	0.510	2073	4114	2.91e6	5.81e6	1404.3	1410.9	NO	bd	bd	99.198
13C-123678-HxCDF	35.156	0.960	2.162e5	4.203e5	1.080	0.514	0.510	2073	4114	3.18e6	6.23e6	1535.9	1514.7	NO	db	db	109.432
13C-234678-HxCDF	36.014	0.983	1.868e5	3.639e5	1.014	0.513	0.510	2073	4114	2.96e6	5.72e6	1426.8	1391.1	NO	bb	bb	100.808
13C-123789-HxCDF	37.039	1.011	1.548e5	3.103e5	0.928	0.499	0.510	2073	4114	2.51e6	4.94e6	1211.5	1201.1	NO	bb	bb	93.065
13C-1234678-HpCDF	38.889	1.062	1.832e5	3.938e5	1.036	0.465	0.440	2218	3253	2.85e6	6.37e6	1286.3	1956.6	NO	bb	bb	103.410
13C-1234789-HpCDF	41.139	1.123	1.549e5	3.427e5	0.905	0.452	0.440	2218	3253	2.09e6	4.65e6	942.3	1428.6	NO	bb	bb	102.095
13C-1234-TCDD	25.718	0.000	2.595e5	3.233e5	1.000	0.803	0.770	1633	1232	3.95e6	4.89e6	2418.7	3967.5	NO	bb	bb	100.000
13C-2378-TCDD	26.537	1.032	2.960e5	3.662e5	1.103	0.808	0.770	1633	1232	4.38e6	5.41e6	2678.4	4395.7	NO	bb	bb	103.009
13C-12378-PeCDD	31.646	1.231	3.233e5	1.926e5	0.914	1.679	1.550	1187	933	4.42e6	2.70e6	3724.8	2893.7	NO	bb	bb	96.832
13C-123478-HxCDD	36.125	0.986	2.883e5	2.231e5	0.933	1.292	1.240	1717	1611	4.84e6	3.69e6	2816.9	2289.3	NO	bd	bd	101.800
13C-123678-HxCDD	36.237	0.989	3.505e5	2.565e5	0.965	1.367	1.240	1717	1611	4.96e6	3.79e6	2889.0	2351.7	NO	db	db	116.849
13C-1234678-HpCDD	40.393	1.103	2.271e5	2.099e5	0.782	1.082	1.050	1797	1570	3.15e6	2.85e6	1754.5	1815.4	NO	bd	bb	103.760
13C-OCDD	45.189	1.234	3.876e5	4.172e5	0.788	0.929	0.890	1860	1237	4.55e6	4.89e6	2447.9	3952.8	NO	bb	bb	189.607
13C-123789-HxCDD	36.627	0.000	3.049e5	2.337e5	1.000	1.305	1.240	1717	1611	4.66e6	3.59e6	2713.0	2226.7	NO	bb	bb	100.000
37CL-2378-TCDD	26.551	1.032	6.863e4		1.233			1151		9.91e5		861.2			bb		9.546

ID: CS3U1, Name: 23020902, Date: 09-Feb-2023, Time: 14:51:21, Conditions: AUTOSPEC01, User: pk

Compound	RT	RRT	Ion1Area	Ion2Area	RRF	Ratio	Pred R	Noise 1	Noise 2	Height 1	Height 2	S/N 1	S/N 2	EMPC	Int.1	Int.2	pg
1368-TCDF	22.399	0.865	4.760e4	6.552e4	1.064	0.726	0.770	1229	1465	7.61e5	1.00e6	619.0	685.9	NO	bb	bb	10.467
1289-TCDF	27.413	1.058	3.715e4	4.927e4	0.858	0.754	0.770	1229	1465	5.38e5	6.96e5	437.7	475.5	NO	db	db	9.925
13468-PECDF	27.271	0.907	2.602e5	1.717e5	1.013	1.515	1.550	642	820	3.87e6	2.54e6	6031.1	3103.2	NO	bb	bb	47.688
12389-PECDF	32.460	1.080	2.098e5	1.386e5	0.844	1.513	1.550	3074	2653	2.95e6	1.92e6	958.3	722.7	NO	bb	bb	46.186
123468-HXCDF	33.385	0.953	1.913e5	1.495e5	1.197	1.279	1.240	2497	2750	2.64e6	2.04e6	1055.5	742.2	NO	bb	bb	50.576
1368-TCDD	23.670	0.892	3.291e4	4.001e4	1.084	0.823	0.770	1590	1077	5.15e5	6.10e5	323.6	566.9	NO	bb	bb	10.156
1289-TCDD	27.159	1.023	3.035e4	3.723e4	0.975	0.815	0.770	1590	1077	4.26e5	5.18e5	267.6	480.7	NO	bd	bd	10.465
12479-PECDD	28.950	0.915	2.934e5	1.868e5	1.837	1.571	1.550	2229	1280	2.76e6	1.76e6	1237.6	1373.2	NO	bb	bb	50.659
12389-PECDD	32.070	1.013	1.878e5	1.206e5	1.252	1.556	1.550	2229	1280	2.73e6	1.74e6	1224.8	1355.4	NO	bb	bb	47.730
124679-HXCDD	34.142	0.945	1.426e5	1.160e5	1.033	1.229	1.240	1753	1399	2.15e6	1.77e6	1228.9	1266.0	NO	bb	bb	48.939
1234679-HPCDD	39.345	0.974	1.469e5	1.393e5	1.286	1.055	1.050	1939	2176	2.10e6	2.03e6	1083.1	932.5	NO	bb	bd	50.935
Total-tetrafurans			1.243e5		0.933			1229		1.88e6							30.902
Total-penta1			2.602e5					642		3.87e6							47.688
Total-pentafurans			7.180e5		0.866			3074		1.01e7							155.342
Total-hexafurans			9.255e5		1.208			2497		1.31e7							247.892
Total-heptafurans			3.043e5		1.185			2334		4.58e6							95.027
Total-Furans			2.542e6		1.067			1229		3.58e7							670.565
Total-tetradioxins			1.678e5		1.099			1590		2.22e6							51.708
Total-pentadioxins			6.492e5		1.392			2229		8.00e6							148.024
Total-hexadioxins			5.854e5		1.007			1753		8.81e6							192.960
Total-heptadioxins			2.786e5		1.269			1939		3.93e6							97.189
Total-Dioxins			1.881e6		1.165			1590		2.52e7							587.416
Total-TEQ			4.424e6					1590		6.11e7							1257.981
FUNCTION1 PFK			8.812e7					383318		3.20e7							
FUNCTION2 PFK			0.000e0					339461		0.00e0							
FUNCTION3 PFK			3.713e5					307506		1.04e7							0.000
FUNCTION4 PFK			0.000e0					266224		0.00e0							
FUNCTION5 PFK			0.000e0					144443		0.00e0							
FUNCTION1 HXCD...			7.392e2					464		1.11e4							0.000
FUNCTION1 HPCD...																	
FUNCTION2 HPCD...			2.666e2					618		5.34e3							0.000
FUNCTION3 OCDPE			9.184e1					518		2.06e3							0.000
FUNCTION4 NCDPE			3.085e2					826		4.62e3							0.000
FUNCTION5 DCDPE			2.476e2					637		4.68e3							0.000

Method: T:\Autospec\Methods\Dioxin230206.mdb 09 Feb 2023 15:53:04
Calibration: T:\Autospec\Curves\230201ICIH.cdb 03 Feb 2023 10:33:40

ID: CS3U1, Name: 23020902, Date: 09-Feb-2023, Time: 14:51:21, Conditions: AUTOSPEC01, User: pk

TF

	Compound	RT	Ion1Area	Ion2Area	RRF	Ratio	Pred R	S/N 1	SNFlag	EMPC	Int.1	Int.2	pg
1	1289-TCDF	27.41	3.715e4	4.927e4	0.858	0.75	0.77	437.7	YES	NO	db	db	9.925
2	2378-TCDF	25.92	3.919e4	5.353e4	0.876	0.73	0.77	468.0	YES	NO	bb	bd	10.424
3	Total-tetrafurans	25.00	3.391e2	4.693e2	0.933	0.72	0.77	4.7	YES	NO	bb	bb	0.085
4	1368-TCDF	22.40	4.760e4	6.552e4	1.064	0.73	0.77	619.0	YES	NO	bb	bb	10.467

PP

	Compound	RT	Ion1Area	Ion2Area	RRF	Ratio	Pred R	S/N 1	SNFlag	EMPC	Int.1	Int.2	pg
1	13468-PECDF	27.27	2.602e5	1.717e5	1.013	1.52	1.55	6031.1	YES	NO	bb	bb	47.688

PF

	Compound	RT	Ion1Area	Ion2Area	RRF	Ratio	Pred R	S/N 1	SNFlag	EMPC	Int.1	Int.2	pg
1	23478-PeCDF	31.41	2.404e5	1.506e5	0.911	1.60	1.55	1097.0	YES	NO	bd	bb	51.146
2	12378-PeCDF	30.09	2.300e5	1.455e5	0.845	1.58	1.55	1048.9	YES	NO	bb	bb	49.722
3	Total-pentafurans	28.93	3.785e4	2.439e4	0.866	1.55	1.55	175.6	YES	NO	bd	bb	8.289
4	12389-PECDF	32.46	2.098e5	1.386e5	0.844	1.51	1.55	958.3	YES	NO	bb	bb	46.186

HF

	Compound	RT	Ion1Area	Ion2Area	RRF	Ratio	Pred R	S/N 1	SNFlag	EMPC	Int.1	Int.2	pg
1	123478-HxCDF	35.03	1.771e5	1.417e5	1.182	1.25	1.24	1109.6	YES	NO	bd	bd	47.936
2	123468-HXCDF	33.38	1.913e5	1.495e5	1.197	1.28	1.24	1055.5	YES	NO	bb	bb	50.576
3	123789-HxCDF	37.06	1.571e5	1.225e5	1.187	1.28	1.24	884.6	YES	NO	bb	bb	50.656
4	234678-HxCDF	36.04	1.908e5	1.510e5	1.229	1.26	1.24	1097.8	YES	NO	bb	bb	50.515
5	123678-HxCDF	35.17	2.092e5	1.738e5	1.248	1.20	1.24	1101.7	YES	NO	dd	dd	48.208

HPF

	Compound	RT	Ion1Area	Ion2Area	RRF	Ratio	Pred R	S/N 1	SNFlag	EMPC	Int.1	Int.2	pg
1	Total-heptafurans	41.31	4.017e3	3.677e3	1.185	1.09	1.05	25.4	YES	NO	dd	dd	1.209
2	1234789-HpCDF	41.15	1.404e5	1.345e5	1.165	1.04	1.05	832.7	YES	NO	bd	bd	47.414
3	1234678-HpCDF	38.90	1.599e5	1.625e5	1.204	0.98	1.05	1102.3	YES	NO	bb	bd	46.404

ID: CS3U1, Name: 23020902, Date: 09-Feb-2023, Time: 14:51:21, Conditions: AUTOSPEC01, User: pk

Furans,TF,PP,PF,HF,HPF,OF

	Compound	RT	Ion1Area	Ion2Area	RRF	Ratio	Pred R	S/N 1	SNFlag	EMPC	Int.1	Int.2	pg
1	1289-TCDF	27.41	3.715e4	4.927e4	0.858	0.75	0.77	437.7	YES	NO	db	db	9.925
2	2378-TCDF	25.92	3.919e4	5.353e4	0.876	0.73	0.77	468.0	YES	NO	bb	bd	10.424
3	Total-tetrafurans	25.00	3.391e2	4.693e2	0.933	0.72	0.77	4.7	YES	NO	bb	bb	0.085
4	1368-TCDF	22.40	4.760e4	6.552e4	1.064	0.73	0.77	619.0	YES	NO	bb	bb	10.467
5	23478-PeCDF	31.41	2.404e5	1.506e5	0.911	1.60	1.55	1097.0	YES	NO	bd	bb	51.146
6	12378-PeCDF	30.09	2.300e5	1.455e5	0.845	1.58	1.55	1048.9	YES	NO	bb	bb	49.722
7	Total-pentafurans	28.93	3.785e4	2.439e4	0.866	1.55	1.55	175.6	YES	NO	bd	bb	8.289
8	123478-HxCDF	35.03	1.771e5	1.417e5	1.182	1.25	1.24	1109.6	YES	NO	bd	bd	47.936
9	123468-HXCDF	33.38	1.913e5	1.495e5	1.197	1.28	1.24	1055.5	YES	NO	bb	bb	50.576
10	12389-PECDF	32.46	2.098e5	1.386e5	0.844	1.51	1.55	958.3	YES	NO	bb	bb	46.186
11	123789-HxCDF	37.06	1.571e5	1.225e5	1.187	1.28	1.24	884.6	YES	NO	bb	bb	50.656
12	234678-HxCDF	36.04	1.908e5	1.510e5	1.229	1.26	1.24	1097.8	YES	NO	bb	bb	50.515
13	123678-HxCDF	35.17	2.092e5	1.738e5	1.248	1.20	1.24	1101.7	YES	NO	dd	dd	48.208
14	Total-heptafurans	41.31	4.017e3	3.677e3	1.185	1.09	1.05	25.4	YES	NO	dd	dd	1.209
15	1234789-HpCDF	41.15	1.404e5	1.345e5	1.165	1.04	1.05	832.7	YES	NO	bd	bd	47.414
16	1234678-HpCDF	38.90	1.599e5	1.625e5	1.204	0.98	1.05	1102.3	YES	NO	bb	bd	46.404
17	OCDF	45.44	2.101e5	2.373e5	1.186	0.89	0.89	2167.4	YES	NO	bd	bd	93.713
18	13468-PECDF	27.27	2.602e5	1.717e5	1.013	1.52	1.55	6031.1	YES	NO	bb	bb	47.688

TD

	Compound	RT	Ion1Area	Ion2Area	RRF	Ratio	Pred R	S/N 1	SNFlag	EMPC	Int.1	Int.2	pg
1	1289-TCDD	27.16	3.035e4	3.723e4	0.975	0.82	0.77	267.6	YES	NO	bd	bd	10.465
2	2378-TCDD	26.55	3.524e4	4.552e4	1.236	0.77	0.77	323.2	YES	NO	bb	bb	9.865
3	Total-tetradioxins	26.23	5.284e4	6.515e4	1.099	0.81	0.77	332.3	YES	NO	bd	bb	16.219
4	Total-tetradioxins	25.73	1.647e4	1.993e4	1.099	0.83	0.77	150.1	YES	NO	bb	bb	5.003
5	1368-TCDD	23.67	3.291e4	4.001e4	1.084	0.82	0.77	323.6	YES	NO	bb	bb	10.156

PD

	Compound	RT	Ion1Area	Ion2Area	RRF	Ratio	Pred R	S/N 1	SNFlag	EMPC	Int.1	Int.2	pg
1	12389-PECDD	32.07	1.878e5	1.206e5	1.252	1.56	1.55	1224.8	YES	NO	bb	bb	47.730
2	12378-PeCDD	31.67	1.681e5	1.102e5	1.087	1.53	1.55	1125.3	YES	NO	bb	bb	49.635
3	12479-PECDD	28.95	2.934e5	1.868e5	1.837	1.57	1.55	1237.6	YES	NO	bb	bb	50.659

ID: CS3U1, Name: 23020902, Date: 09-Feb-2023, Time: 14:51:21, Conditions: AUTOSPEC01, User: pk

HD

	Compound	RT	Ion1Area	Ion2Area	RRF	Ratio	Pred R	S/N 1	SNFlag	EMPC	Int.1	Int.2	pg
1	124679-HXCDD	34.14	1.426e5	1.160e5	1.033	1.23	1.24	1228.9	YES	NO	bb	bb	48.939
2	123789-HxCDD	36.65	1.382e5	1.225e5	0.985	1.13	1.24	1183.6	YES	NO	bb	bd	47.290
3	123678-HxCDD	36.26	1.634e5	1.274e5	1.021	1.28	1.24	1337.6	YES	NO	dd	db	46.925
4	123478-HxCDD	36.14	1.413e5	1.101e5	0.987	1.28	1.24	1274.6	YES	NO	bd	bd	49.806

HPD

	Compound	RT	Ion1Area	Ion2Area	RRF	Ratio	Pred R	S/N 1	SNFlag	EMPC	Int.1	Int.2	pg
1	1234678-HpCDD	40.40	1.317e5	1.215e5	1.253	1.08	1.05	942.8	YES	NO	bd	bd	46.254
2	1234679-HPCDD	39.35	1.469e5	1.393e5	1.286	1.05	1.05	1083.1	YES	NO	bb	bd	50.935

Dioxins,TD,PD,HD,HPD,OD

	Compound	RT	Ion1Area	Ion2Area	RRF	Ratio	Pred R	S/N 1	SNFlag	EMPC	Int.1	Int.2	pg
1	1289-TCDD	27.16	3.035e4	3.723e4	0.975	0.82	0.77	267.6	YES	NO	bd	bd	10.465
2	2378-TCDD	26.55	3.524e4	4.552e4	1.236	0.77	0.77	323.2	YES	NO	bb	bb	9.865
3	Total-tetradioxins	26.23	5.284e4	6.515e4	1.099	0.81	0.77	332.3	YES	NO	bd	bb	16.219
4	Total-tetradioxins	25.73	1.647e4	1.993e4	1.099	0.83	0.77	150.1	YES	NO	bb	bb	5.003
5	1368-TCDD	23.67	3.291e4	4.001e4	1.084	0.82	0.77	323.6	YES	NO	bb	bb	10.156
6	12389-PECDD	32.07	1.878e5	1.206e5	1.252	1.56	1.55	1224.8	YES	NO	bb	bb	47.730
7	12378-PeCDD	31.67	1.681e5	1.102e5	1.087	1.53	1.55	1125.3	YES	NO	bb	bb	49.635
8	12479-PECDD	28.95	2.934e5	1.868e5	1.837	1.57	1.55	1237.6	YES	NO	bb	bb	50.659
9	124679-HXCDD	34.14	1.426e5	1.160e5	1.033	1.23	1.24	1228.9	YES	NO	bb	bb	48.939
10	123789-HxCDD	36.65	1.382e5	1.225e5	0.985	1.13	1.24	1183.6	YES	NO	bb	bd	47.290
11	123678-HxCDD	36.26	1.634e5	1.274e5	1.021	1.28	1.24	1337.6	YES	NO	dd	db	46.925
12	123478-HxCDD	36.14	1.413e5	1.101e5	0.987	1.28	1.24	1274.6	YES	NO	bd	bd	49.806
13	1234678-HpCDD	40.40	1.317e5	1.215e5	1.253	1.08	1.05	942.8	YES	NO	bd	bd	46.254
14	1234679-HPCDD	39.35	1.469e5	1.393e5	1.286	1.05	1.05	1083.1	YES	NO	bb	bd	50.935
15	OCDD	45.20	2.005e5	2.323e5	1.103	0.86	0.89	1471.3	YES	NO	bd	bd	97.535

ID: CS3U1, Name: 23020902, Date: 09-Feb-2023, Time: 14:51:21, Conditions: AUTOSPEC01, User: pk

TotalTEQ,Furans,Dioxins

	Compound	RT	Ion1Area	Ion2Area	RRF	Ratio	Pred R	S/N 1	SNFlag	EMPC	Int.1	Int.2	pg
1	1289-TCDF	27.41	3.715e4	4.927e4	0.858	0.75	0.77	437.7	YES	NO	db	db	9.925
2	2378-TCDF	25.92	3.919e4	5.353e4	0.876	0.73	0.77	468.0	YES	NO	bb	bd	10.424
3	Total-tetrafurans	25.00	3.391e2	4.693e2	0.933	0.72	0.77	4.7	YES	NO	bb	bb	0.085
4	1368-TCDF	22.40	4.760e4	6.552e4	1.064	0.73	0.77	619.0	YES	NO	bb	bb	10.467
5	23478-PeCDF	31.41	2.404e5	1.506e5	0.911	1.60	1.55	1097.0	YES	NO	bd	bb	51.146
6	12378-PeCDF	30.09	2.300e5	1.455e5	0.845	1.58	1.55	1048.9	YES	NO	bb	bb	49.722
7	Total-pentafurans	28.93	3.785e4	2.439e4	0.866	1.55	1.55	175.6	YES	NO	bd	bb	8.289
8	123478-HxCDF	35.03	1.771e5	1.417e5	1.182	1.25	1.24	1109.6	YES	NO	bd	bd	47.936
9	123468-HXCDF	33.38	1.913e5	1.495e5	1.197	1.28	1.24	1055.5	YES	NO	bb	bb	50.576
10	12389-PECDF	32.46	2.098e5	1.386e5	0.844	1.51	1.55	958.3	YES	NO	bb	bb	46.186
11	123789-HxCDF	37.06	1.571e5	1.225e5	1.187	1.28	1.24	884.6	YES	NO	bb	bb	50.656
12	234678-HxCDF	36.04	1.908e5	1.510e5	1.229	1.26	1.24	1097.8	YES	NO	bb	bb	50.515
13	123678-HxCDF	35.17	2.092e5	1.738e5	1.248	1.20	1.24	1101.7	YES	NO	dd	dd	48.208
14	Total-heptafurans	41.31	4.017e3	3.677e3	1.185	1.09	1.05	25.4	YES	NO	dd	dd	1.209
15	1234789-HpCDF	41.15	1.404e5	1.345e5	1.165	1.04	1.05	832.7	YES	NO	bd	bd	47.414
16	1234678-HpCDF	38.90	1.599e5	1.625e5	1.204	0.98	1.05	1102.3	YES	NO	bb	bd	46.404
17	OCDF	45.44	2.101e5	2.373e5	1.186	0.89	0.89	2167.4	YES	NO	bd	bd	93.713
18	13468-PECDF	27.27	2.602e5	1.717e5	1.013	1.52	1.55	6031.1	YES	NO	bb	bb	47.688
19	1289-TCDD	27.16	3.035e4	3.723e4	0.975	0.82	0.77	267.6	YES	NO	bd	bd	10.465
20	2378-TCDD	26.55	3.524e4	4.552e4	1.236	0.77	0.77	323.2	YES	NO	bb	bb	9.865
21	Total-tetradioxins	26.23	5.284e4	6.515e4	1.099	0.81	0.77	332.3	YES	NO	bd	bb	16.219
22	Total-tetradioxins	25.73	1.647e4	1.993e4	1.099	0.83	0.77	150.1	YES	NO	bb	bb	5.003
23	1368-TCDD	23.67	3.291e4	4.001e4	1.084	0.82	0.77	323.6	YES	NO	bb	bb	10.156
24	12389-PECDD	32.07	1.878e5	1.206e5	1.252	1.56	1.55	1224.8	YES	NO	bb	bb	47.730
25	12378-PeCDD	31.67	1.681e5	1.102e5	1.087	1.53	1.55	1125.3	YES	NO	bb	bb	49.635
26	12479-PECDD	28.95	2.934e5	1.868e5	1.837	1.57	1.55	1237.6	YES	NO	bb	bb	50.659
27	124679-HXCDD	34.14	1.426e5	1.160e5	1.033	1.23	1.24	1228.9	YES	NO	bb	bb	48.939
28	123789-HxCDD	36.65	1.382e5	1.225e5	0.985	1.13	1.24	1183.6	YES	NO	bb	bd	47.290
29	123678-HxCDD	36.26	1.634e5	1.274e5	1.021	1.28	1.24	1337.6	YES	NO	dd	db	46.925
30	123478-HxCDD	36.14	1.413e5	1.101e5	0.987	1.28	1.24	1274.6	YES	NO	bd	bd	49.806
31	1234678-HpCDD	40.40	1.317e5	1.215e5	1.253	1.08	1.05	942.8	YES	NO	bd	bd	46.254
32	1234679-HPCDD	39.35	1.469e5	1.393e5	1.286	1.05	1.05	1083.1	YES	NO	bb	bd	50.935
33	OCDD	45.20	2.005e5	2.323e5	1.103	0.86	0.89	1471.3	YES	NO	bd	bd	97.535

ID: CS3U1, Name: 23020902, Date: 09-Feb-2023, Time: 14:51:21, Conditions: AUTOSPEC01, User: pk

PFK1

	Compound	RT	Ion1Area	Ion2Area	RRF	Ratio	Pred R	S/N 1	SNFlag	EMPC	Int.1	Int.2	pg
1	FUNCTION1 PFK	27.33	2.560e7					10.5	YES		db		
2	FUNCTION1 PFK	21.13	6.252e7					72.9	YES		bd		

PFK2

	Compound	RT	Ion1Area	Ion2Area	RRF	Ratio	Pred R	S/N 1	SNFlag	EMPC	Int.1	Int.2	pg
1													

ID: CS3U1, Name: 23020902, Date: 09-Feb-2023, Time: 14:51:21, Conditions: AUTOSPEC01, User: pk

PFK3

	Compound	RT	Ion1Area	Ion2Area	RRF	Ratio	Pred R	S/N 1	SNFlag	EMPC	Int.1	Int.2	pg
1	FUNCTION3 PFK	33.23	1.701e3					0.5	NO		bb		0.000
2	FUNCTION3 PFK	33.10	1.323e4					1.1	NO		bb		0.000
3	FUNCTION3 PFK	33.03	4.951e3					0.8	NO		bb		0.000
4	FUNCTION3 PFK	35.53	6.377e3					0.5	NO		bb		0.000
5	FUNCTION3 PFK	35.35	1.980e4					1.5	NO		bb		0.000
6	FUNCTION3 PFK	35.28	1.367e4					1.2	NO		bb		0.000
7	FUNCTION3 PFK	35.12	2.563e4					2.2	NO		bb		0.000
8	FUNCTION3 PFK	34.88	1.170e4					1.5	NO		db		0.000
9	FUNCTION3 PFK	34.82	8.439e3					1.0	NO		dd		0.000
10	FUNCTION3 PFK	34.78	1.673e4					1.3	NO		bd		0.000
11	FUNCTION3 PFK	34.70	9.143e3					1.1	NO		bb		0.000
12	FUNCTION3 PFK	34.59	7.110e3					1.0	NO		bb		0.000
13	FUNCTION3 PFK	34.45	4.526e4					1.5	NO		bb		0.000
14	FUNCTION3 PFK	34.24	2.795e4					1.1	NO		bb		0.000
15	FUNCTION3 PFK	34.10	5.999e3					0.7	NO		bb		0.000
16	FUNCTION3 PFK	34.02	6.089e3					0.7	NO		bb		0.000
17	FUNCTION3 PFK	33.98	4.754e3					0.9	NO		bb		0.000
18	FUNCTION3 PFK	33.75	1.110e3					0.3	NO		bb		0.000
19	FUNCTION3 PFK	33.27	4.654e3					0.7	NO		bb		0.000
20	FUNCTION3 PFK	37.77	4.055e3					0.6	NO		db		0.000
21	FUNCTION3 PFK	37.74	2.114e3					0.5	NO		bd		0.000
22	FUNCTION3 PFK	37.70	6.628e3					0.9	NO		bb		0.000
23	FUNCTION3 PFK	37.51	8.630e3					1.1	NO		bb		0.000
24	FUNCTION3 PFK	37.40	1.360e3					0.4	NO		bb		0.000
25	FUNCTION3 PFK	37.35	1.318e3					0.4	NO		bb		0.000
26	FUNCTION3 PFK	37.31	3.925e3					0.6	NO		bb		0.000
27	FUNCTION3 PFK	36.43	2.581e4					1.1	NO		bb		0.000
28	FUNCTION3 PFK	36.25	1.175e3					0.3	NO		bb		0.000
29	FUNCTION3 PFK	36.11	2.152e4					1.4	NO		bb		0.000
30	FUNCTION3 PFK	35.98	2.142e3					0.6	NO		bb		0.000
31	FUNCTION3 PFK	35.94	6.584e3					1.0	NO		db		0.000
32	FUNCTION3 PFK	35.89	1.991e4					1.4	NO		bd		0.000
33	FUNCTION3 PFK	35.79	1.611e3					0.5	NO		bb		0.000
34	FUNCTION3 PFK	35.75	1.086e4					1.3	NO		bb		0.000
35	FUNCTION3 PFK	35.67	1.042e4					1.0	NO		bb		0.000
36	FUNCTION3 PFK	37.82	8.915e3					1.0	NO		bb		0.000

ID: CS3U1, Name: 23020902, Date: 09-Feb-2023, Time: 14:51:21, Conditions: AUTOSPEC01, User: pk

PFK4

	Compound	RT	Ion1Area	Ion2Area	RRF	Ratio	Pred R	S/N 1	SNFlag	EMPC	Int.1	Int.2	pg
1													

PFK5

	Compound	RT	Ion1Area	Ion2Area	RRF	Ratio	Pred R	S/N 1	SNFlag	EMPC	Int.1	Int.2	pg
1													

ETHERS1

	Compound	RT	Ion1Area	Ion2Area	RRF	Ratio	Pred R	S/N 1	SNFlag	EMPC	Int.1	Int.2	pg
1	FUNCTION1 HXCD...	26.54	1.695e2					3.7	YES		bb		0.000
2	FUNCTION1 HXCD...	25.72	9.117e1					3.4	YES		bb		0.000
3	FUNCTION1 HXCD...	23.94	8.304e1					3.2	YES		bb		0.000
4	FUNCTION1 HXCD...	23.53	7.793e1					3.2	YES		bb		0.000
5	FUNCTION1 HXCD...	23.20	1.017e2					3.9	YES		bb		0.000
6	FUNCTION1 HXCD...	22.10	1.185e2					2.8	NO		db		0.000
7	FUNCTION1 HXCD...	21.97	9.731e1					3.8	YES		bd		0.000

ETHERS2

	Compound	RT	Ion1Area	Ion2Area	RRF	Ratio	Pred R	S/N 1	SNFlag	EMPC	Int.1	Int.2	pg
1													

ETHERS3

	Compound	RT	Ion1Area	Ion2Area	RRF	Ratio	Pred R	S/N 1	SNFlag	EMPC	Int.1	Int.2	pg
1	FUNCTION2 HPCD...	31.26	2.666e2					8.6	YES		bb		0.000

ETHERS4

	Compound	RT	Ion1Area	Ion2Area	RRF	Ratio	Pred R	S/N 1	SNFlag	EMPC	Int.1	Int.2	pg
1	FUNCTION3 OCDPE	36.24	9.184e1					4.0	YES		bb		0.000

ID: CS3U1, Name: 23020902, Date: 09-Feb-2023, Time: 14:51:21, Conditions: AUTOSPEC01, User: pk

ETHERS5

	Compound	RT	Ion1Area	Ion2Area	RRF	Ratio	Pred R	S/N 1	SNFlag	EMPC	Int.1	Int.2	pg
1	FUNCTION4 NCDPE	42.29	9.981e1					1.6	NO		bb		0.000
2	FUNCTION4 NCDPE	41.58	8.955e1					1.8	NO		bb		0.000
3	FUNCTION4 NCDPE	40.11	1.191e2					2.2	NO		bb		0.000

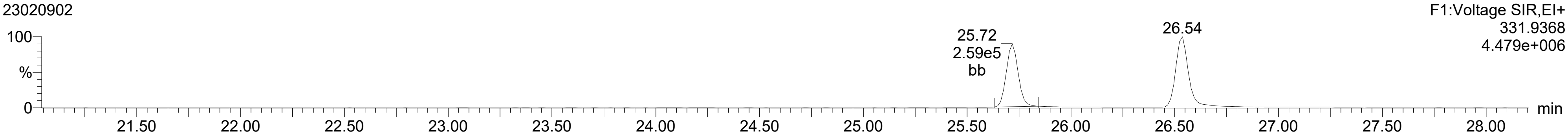
ETHERS6

	Compound	RT	Ion1Area	Ion2Area	RRF	Ratio	Pred R	S/N 1	SNFlag	EMPC	Int.1	Int.2	pg
1	FUNCTION5 DCDPE	46.31	9.878e1					2.3	NO		bb		0.000
2	FUNCTION5 DCDPE	43.30	7.555e1					2.4	NO		db		0.000
3	FUNCTION5 DCDPE	43.23	7.325e1					2.6	NO		bd		0.000

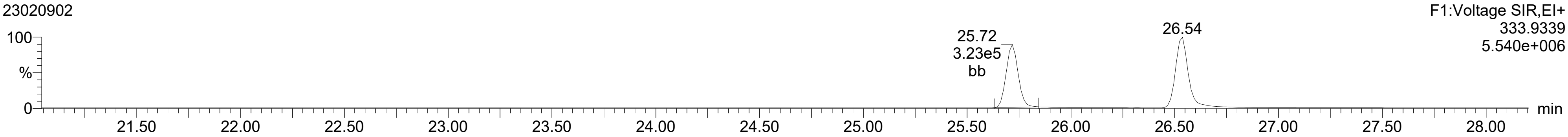
Method: T:\Autospec\Methods\Dioxin230206.mdb 09 Feb 2023 15:53:04
Calibration: T:\Autospec\Curves\230201ICIH.cdb 03 Feb 2023 10:33:40

ID: CS3U1, Name: 23020902, Date: 09-Feb-2023, Time: 14:51:21, Conditions: AUTOSPEC01, User: pk

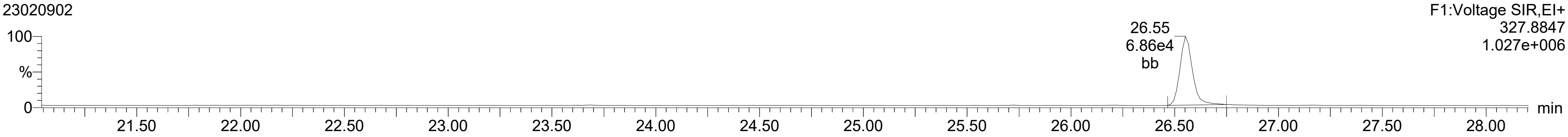
13C-1234-TCDD



13C-1234-TCDD



37CL-2378-TCDD



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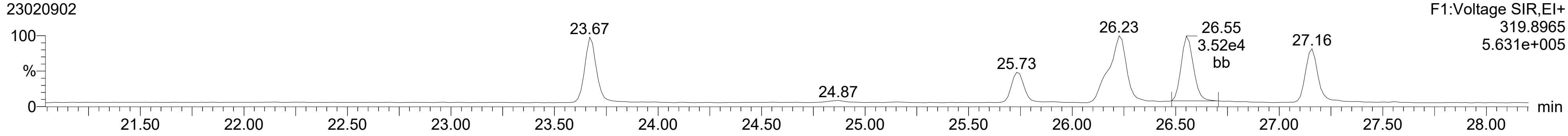
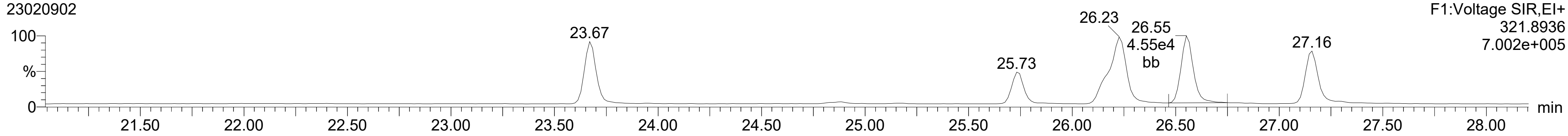
2378-TCDD



2378-TCDD



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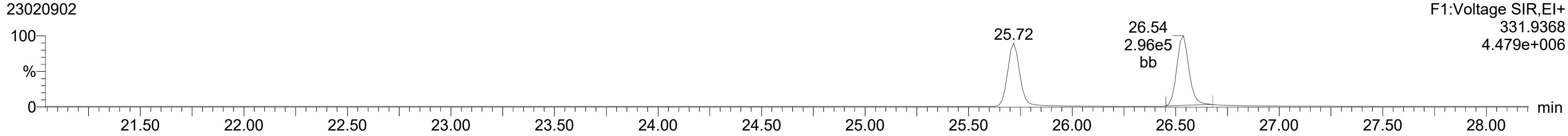

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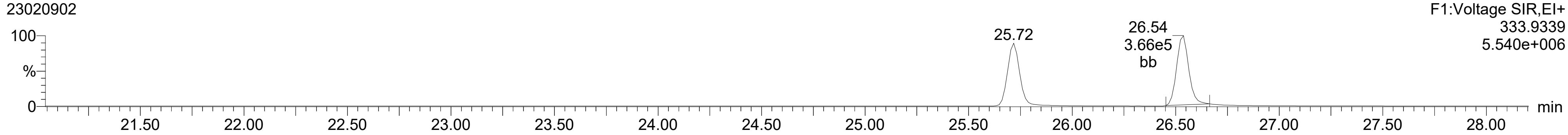
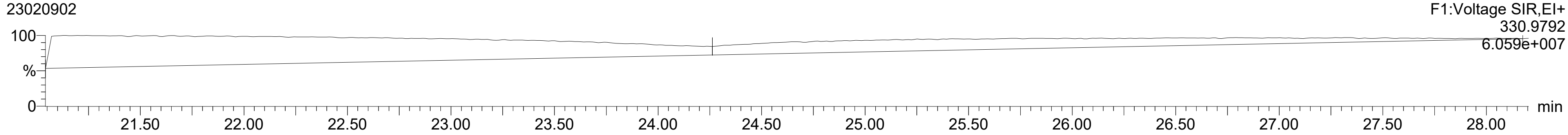


FUNCTION1 PFK



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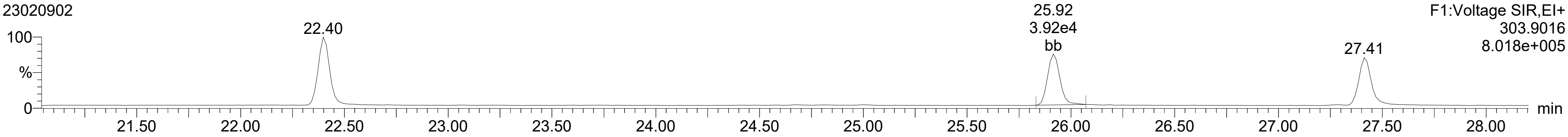
2378-TCDF



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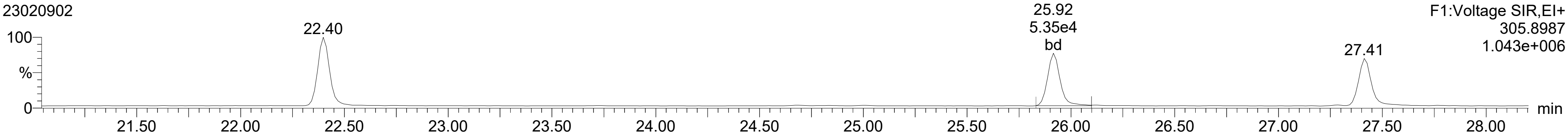

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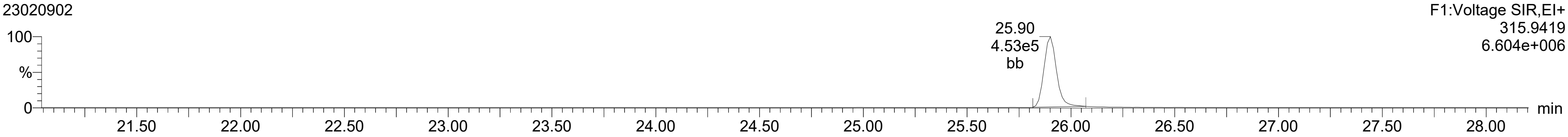

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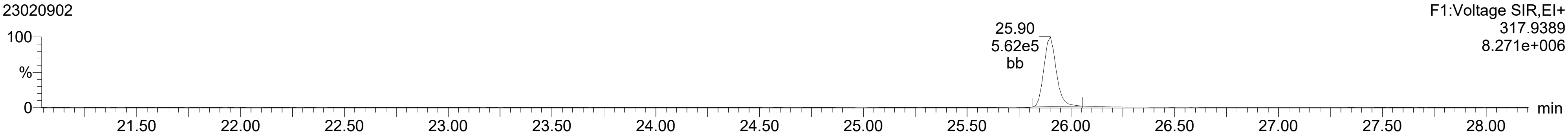
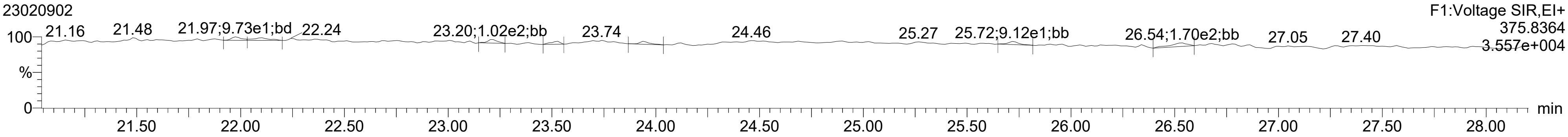


FUNCTION1 HXCDPE



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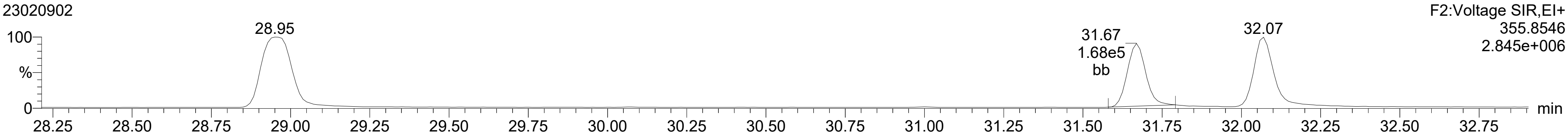
12378-PeCDD



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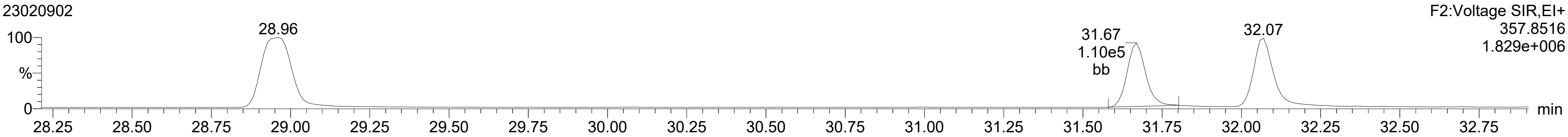

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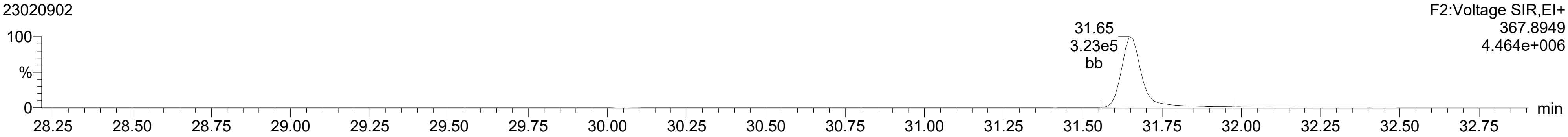

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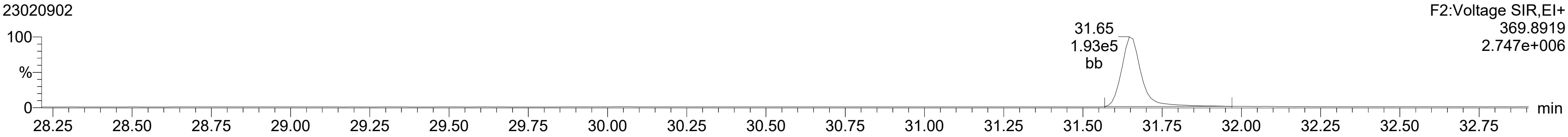

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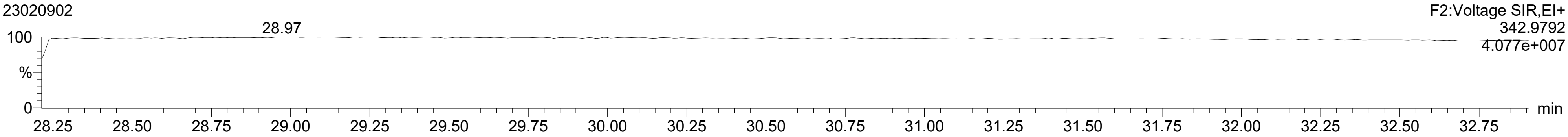

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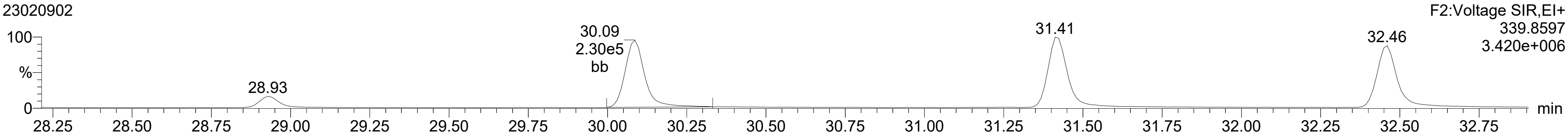

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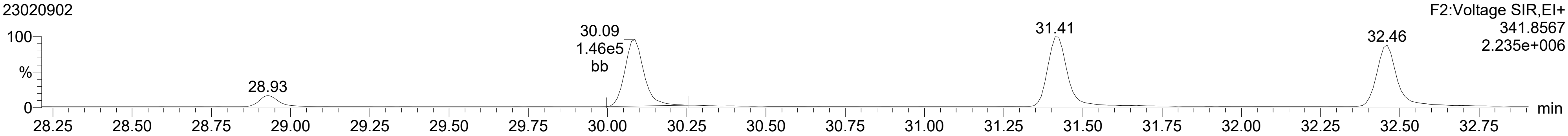

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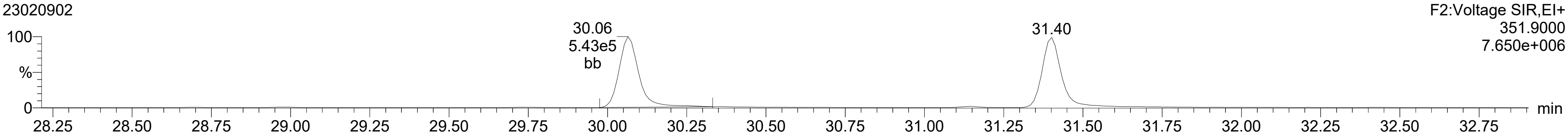

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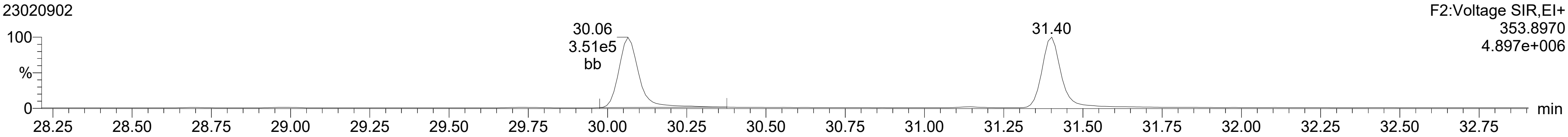
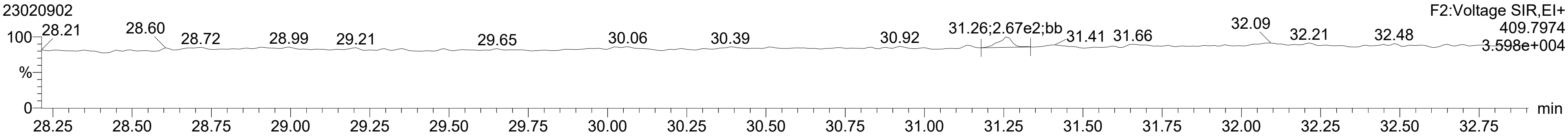


FUNCTION2 HPCDPE



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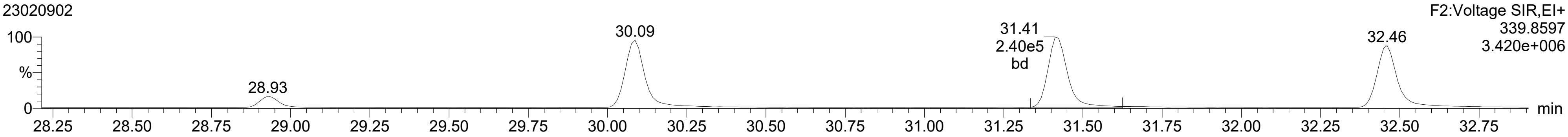
23478-PeCDF



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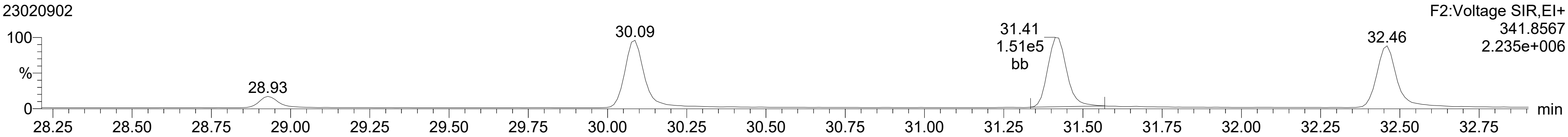

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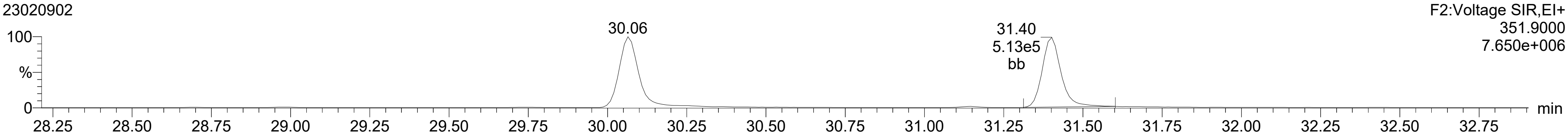

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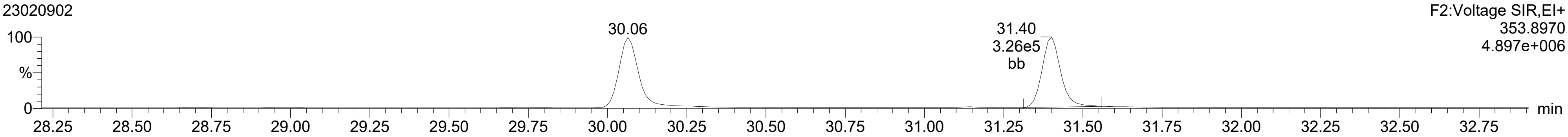
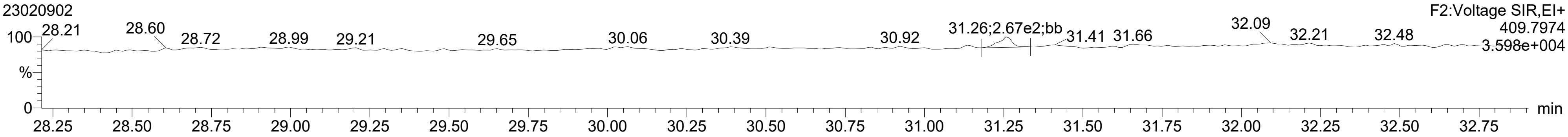


FUNCTION2 HPCDPE



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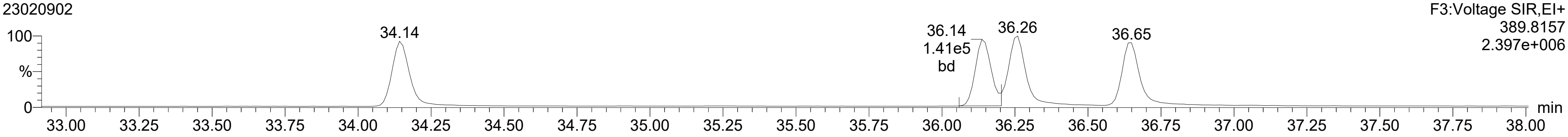
123478-HxCDD



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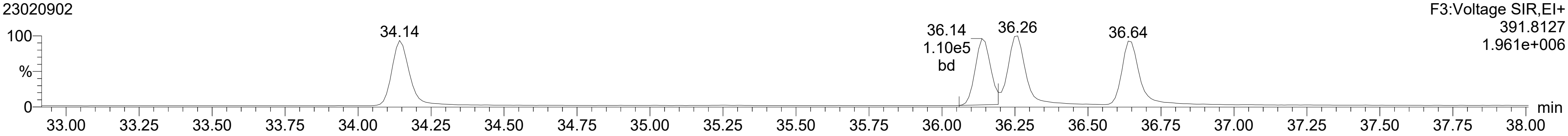

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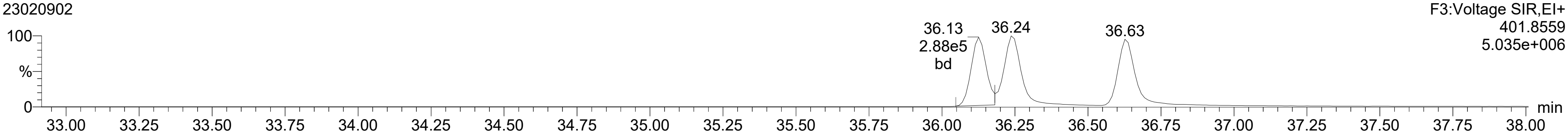

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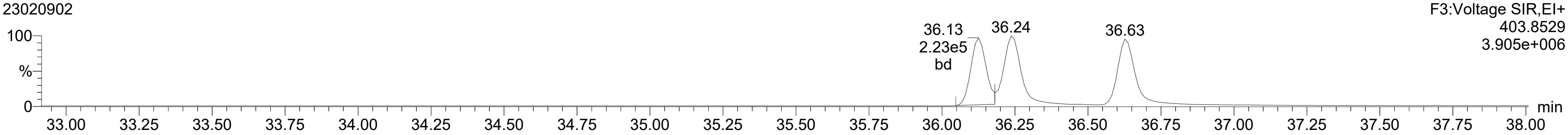
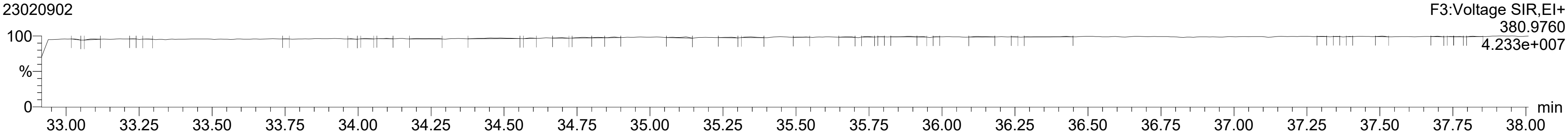


FUNCTION3 PFK



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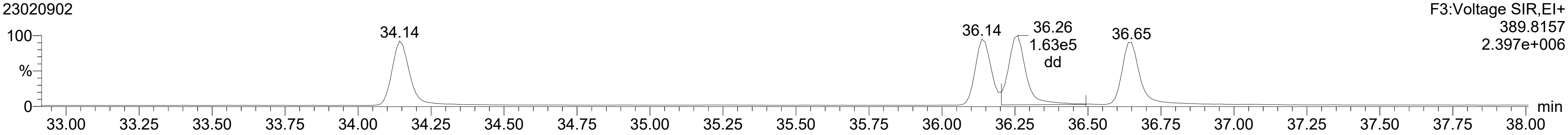
123678-HxCDD



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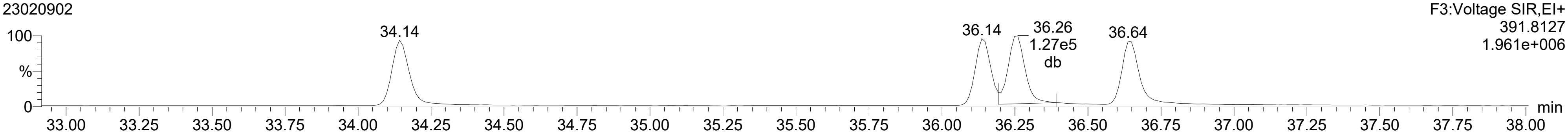

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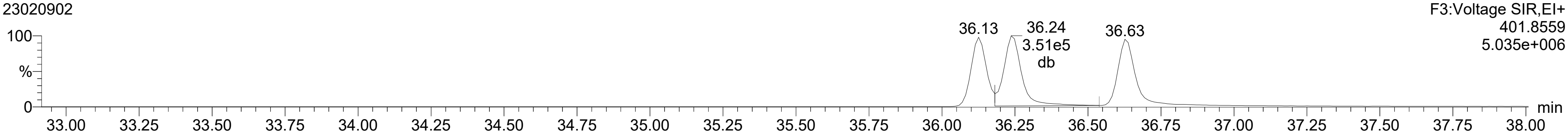

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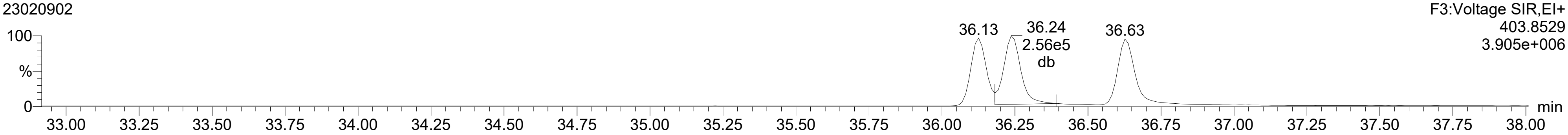

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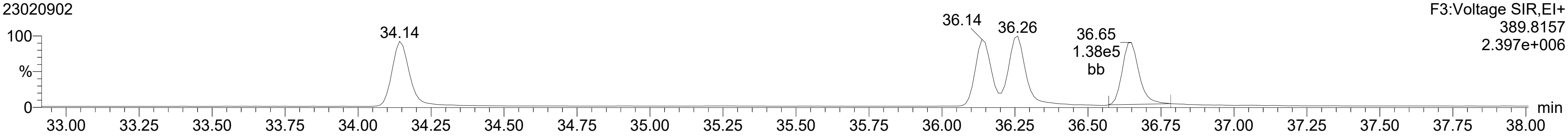

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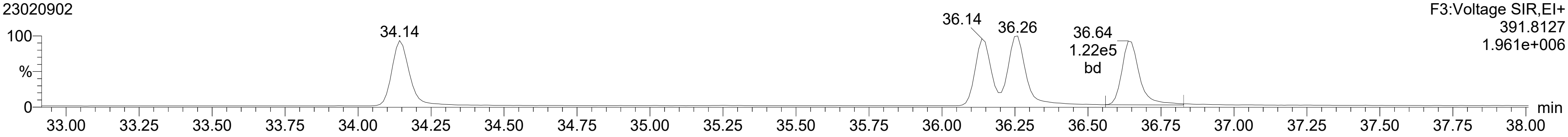

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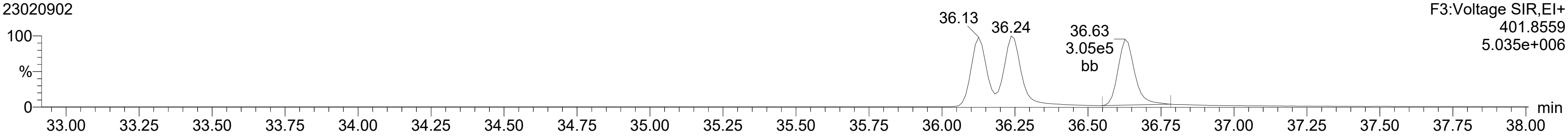

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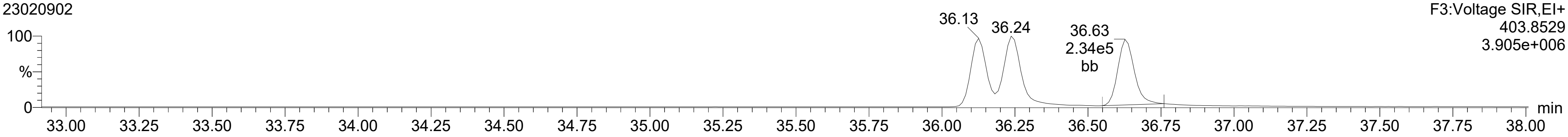

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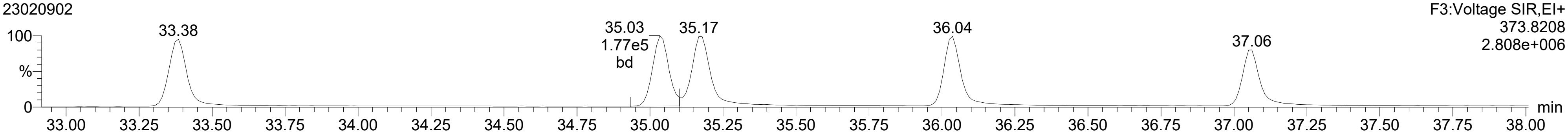

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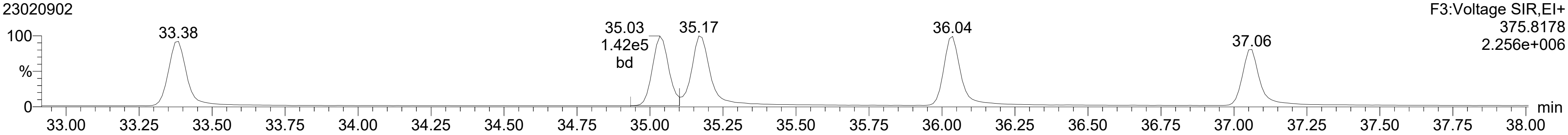

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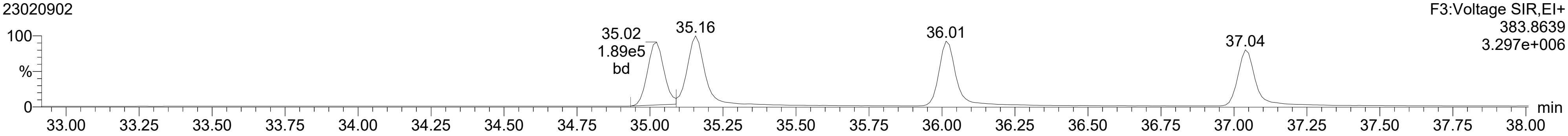

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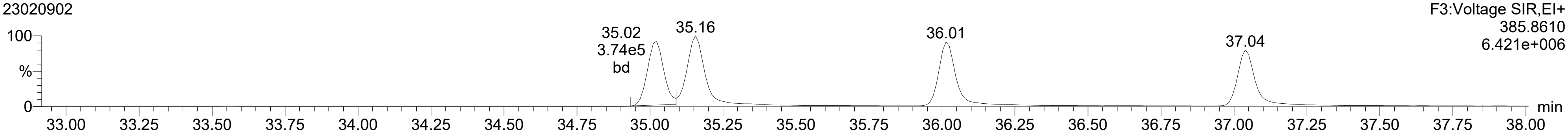
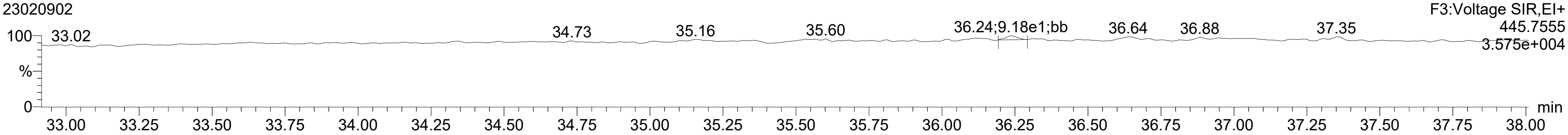


FUNCTION3 OCDPE



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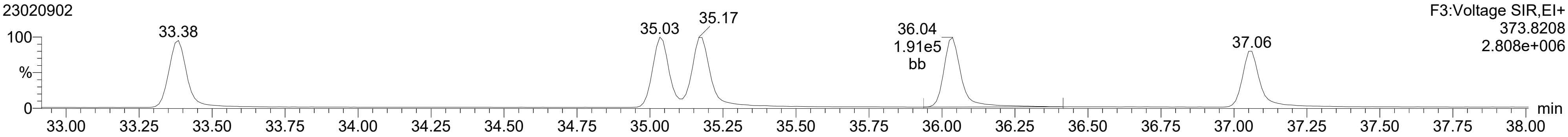
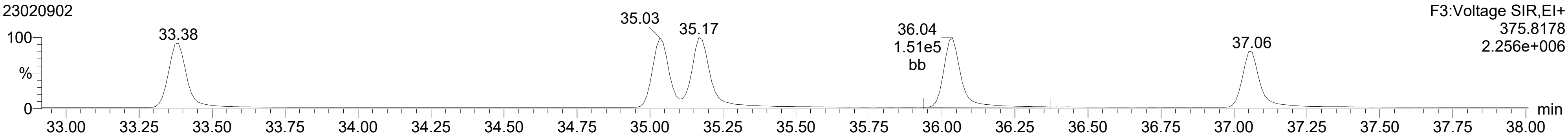
234678-HxCDF



234678-HxCDF



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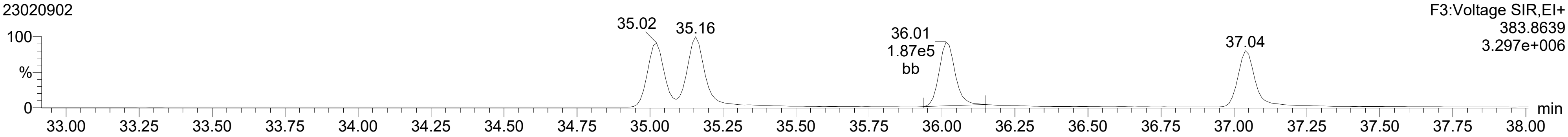

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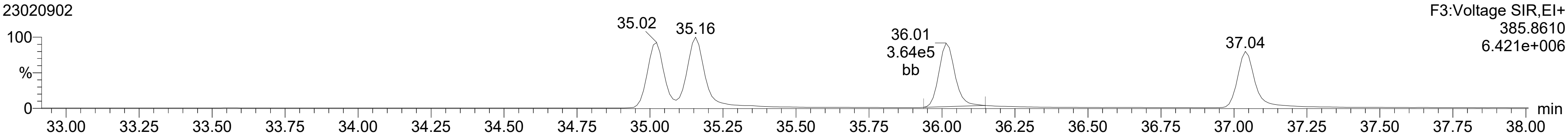

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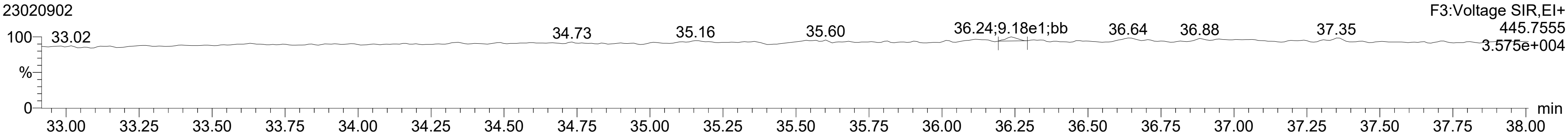

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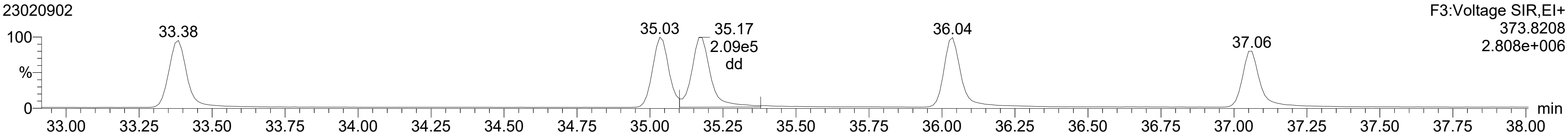

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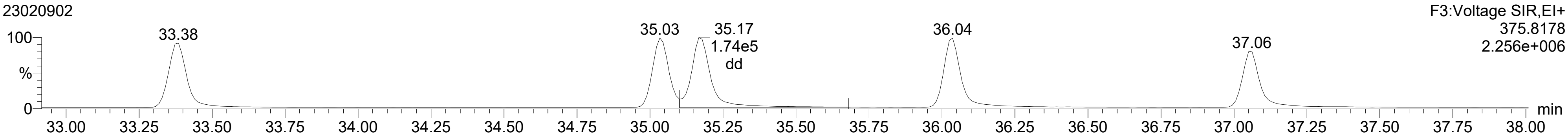

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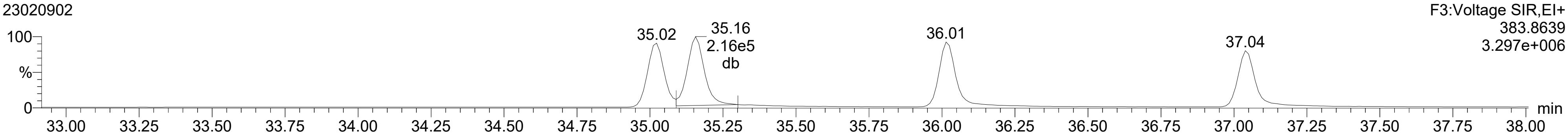

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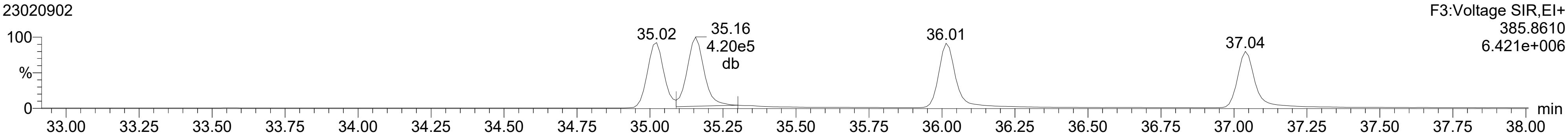

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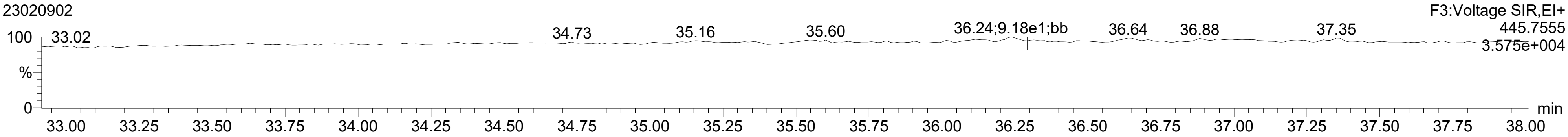

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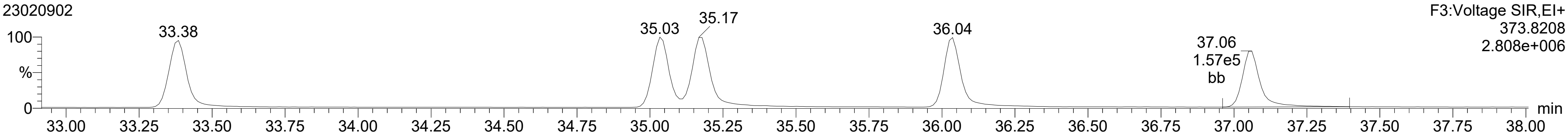

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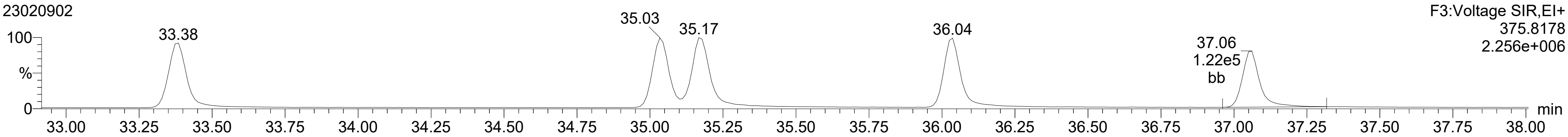

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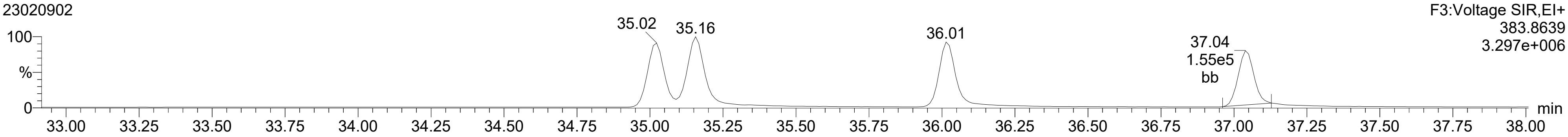

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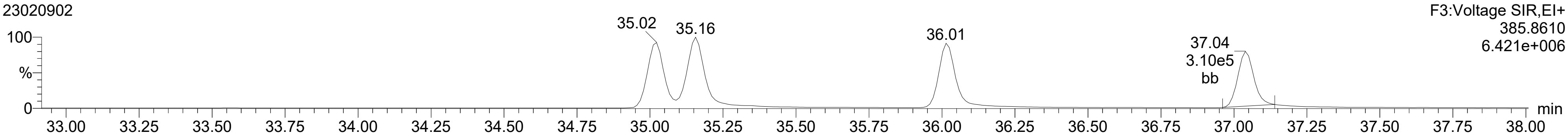
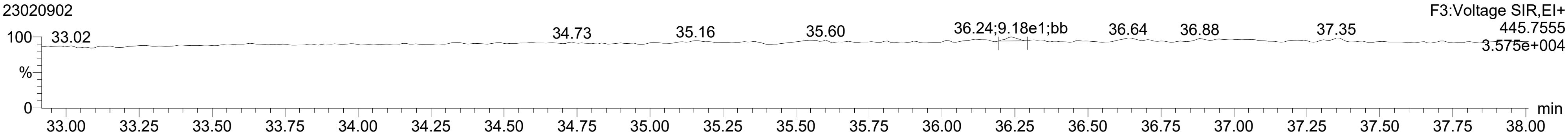


FUNCTION3 OCDPE



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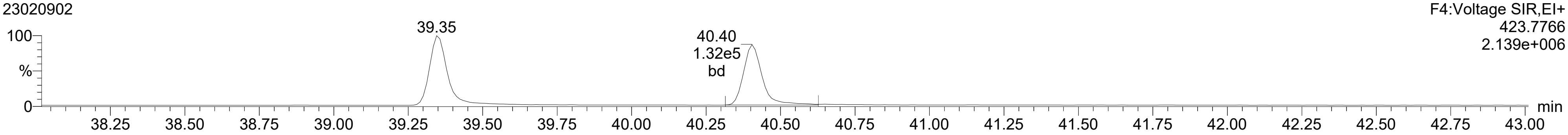
1234678-HpCDD



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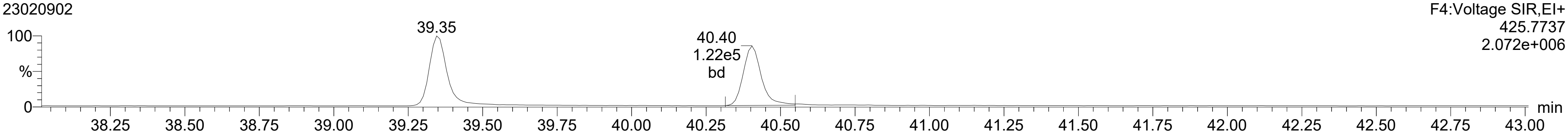

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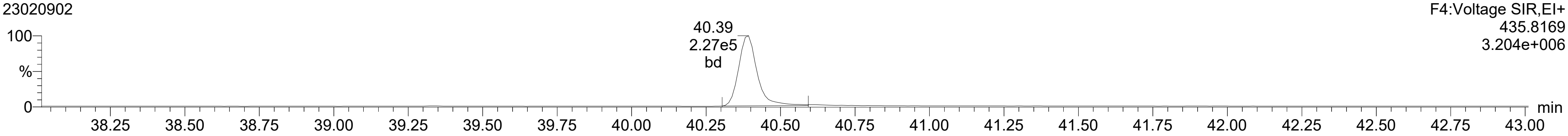

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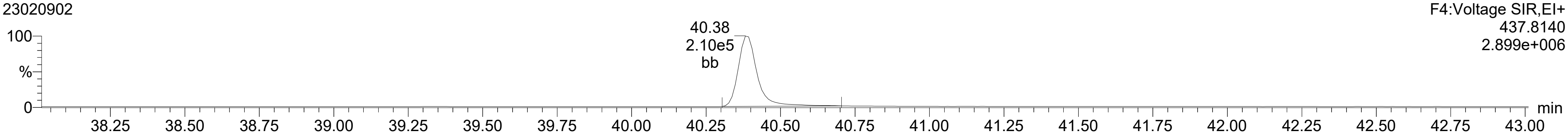
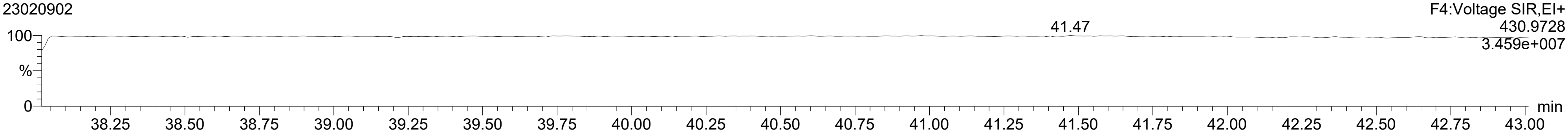


FUNCTION4 PFK



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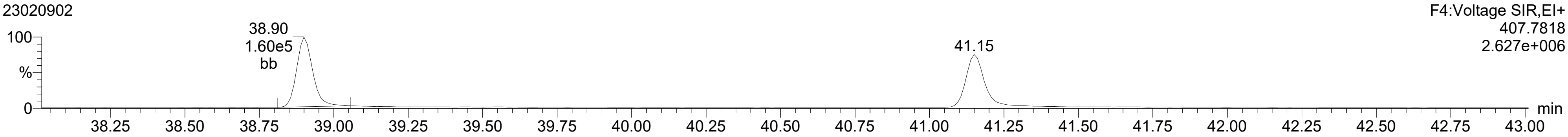
1234678-HpCDF



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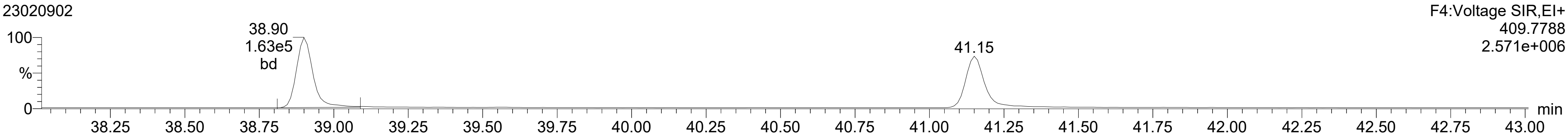
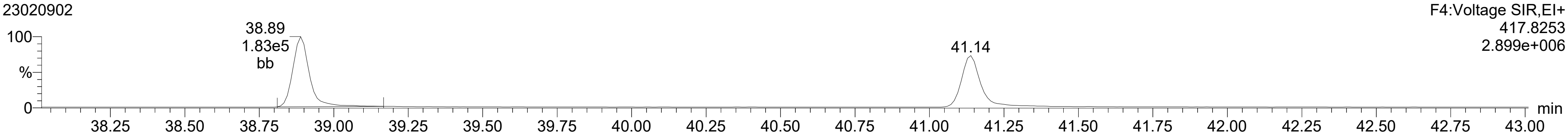


13C-1234678-HpCDF



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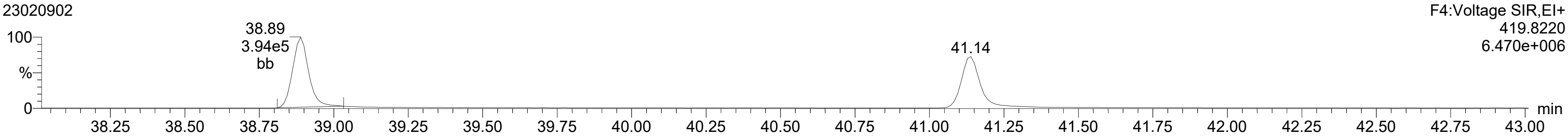
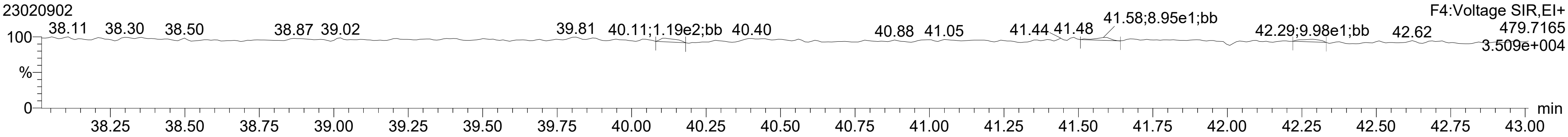
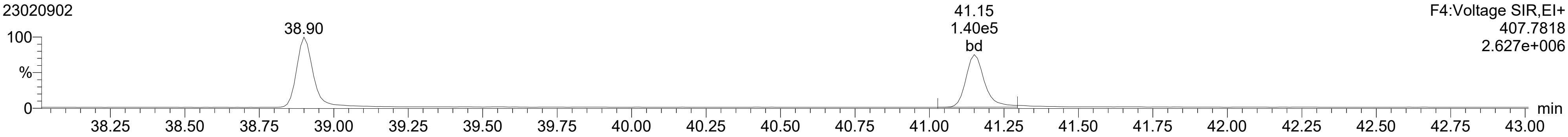


FUNCTION4 NCDPE



ID: CS3U1, Name: 23020902, Date: 09-Feb-2023, Time: 14:51:21, Conditions: AUTOSPEC01, User: pk

1234789-HpCDF



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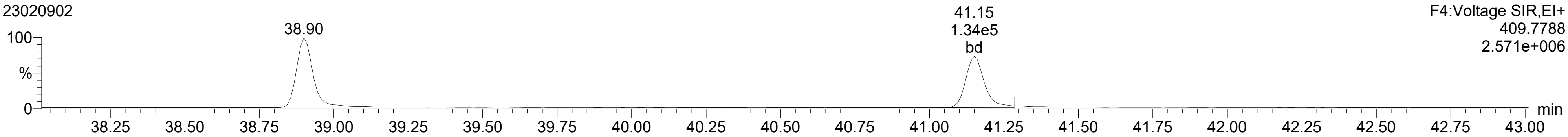
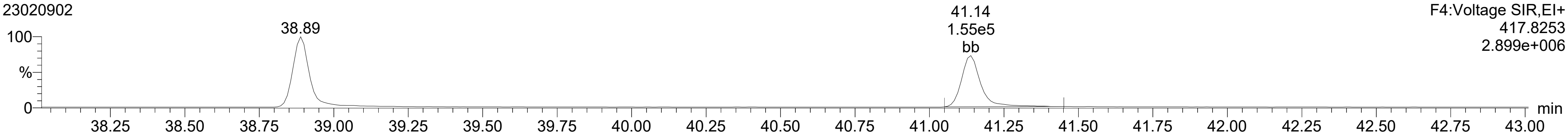


13C-1234789-HpCDF



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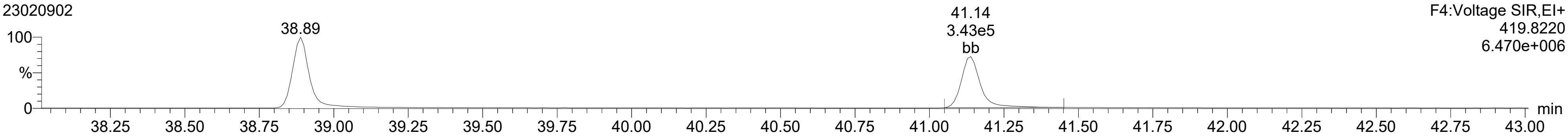
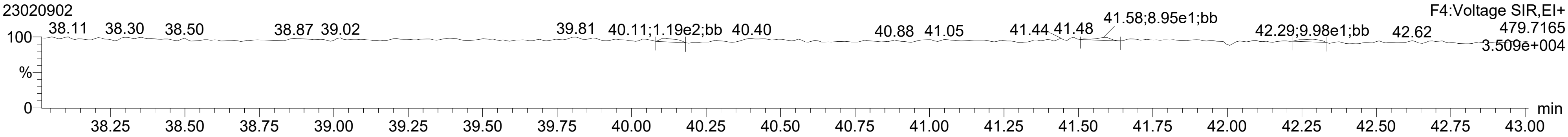
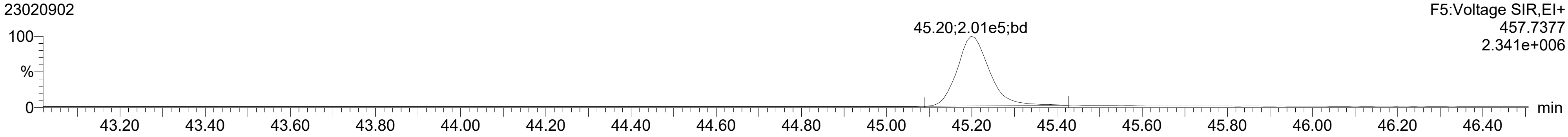


FUNCTION4 NCDPE

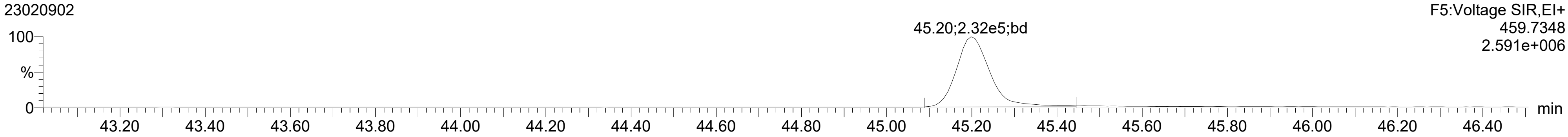


ID: CS3U1, Name: 23020902, Date: 09-Feb-2023, Time: 14:51:21, Conditions: AUTOSPEC01, User: pk

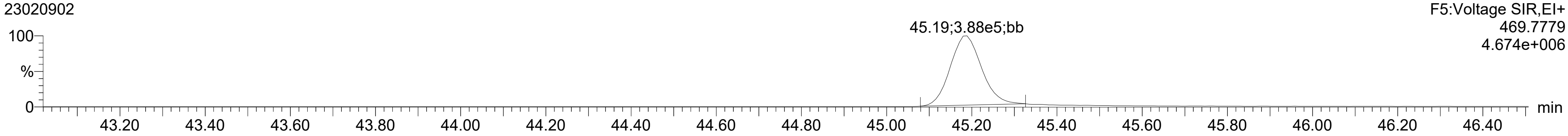
OCDD



OCDD



13C-OCDD



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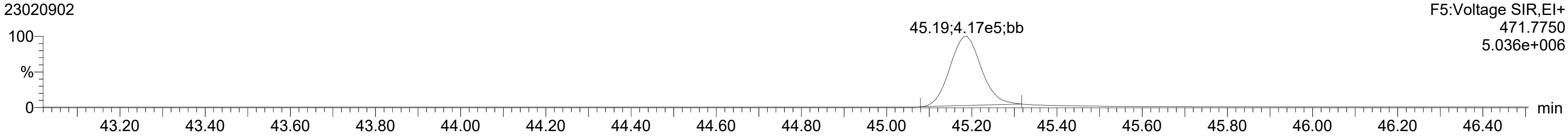
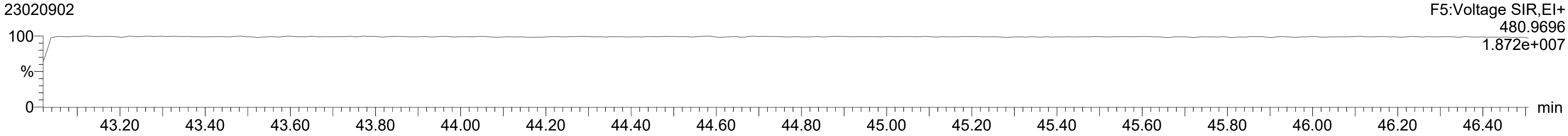
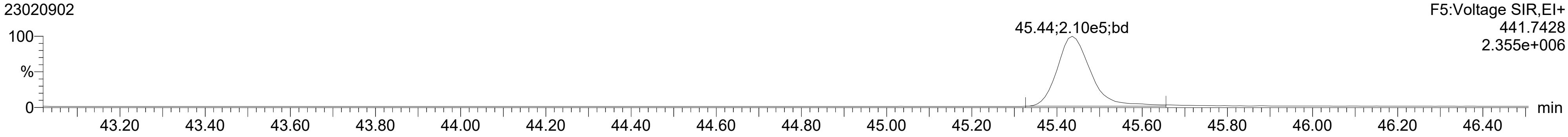


FUNCTION5 PFK

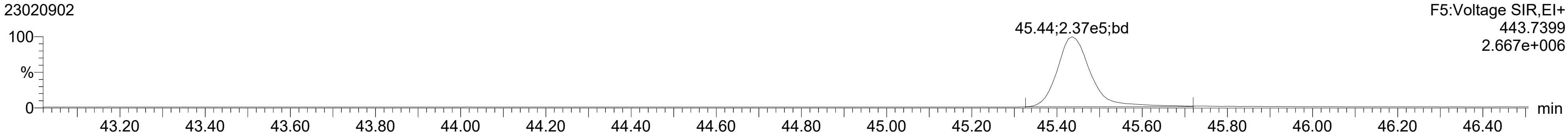


ID: CS3U1, Name: 23020902, Date: 09-Feb-2023, Time: 14:51:21, Conditions: AUTOSPEC01, User: pk

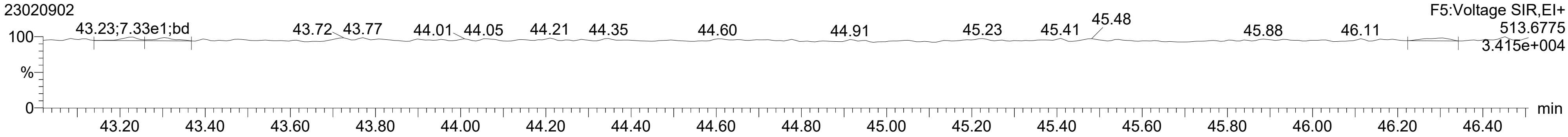
OCDF



OCDF



FUNCTION5 DCDPE



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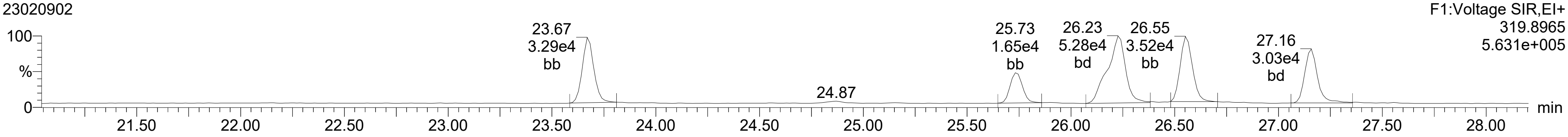
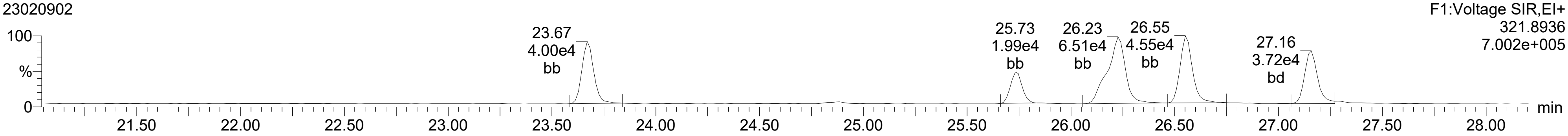
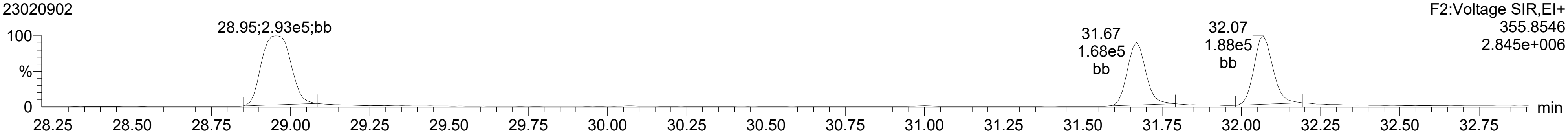
Total-tetradioxins



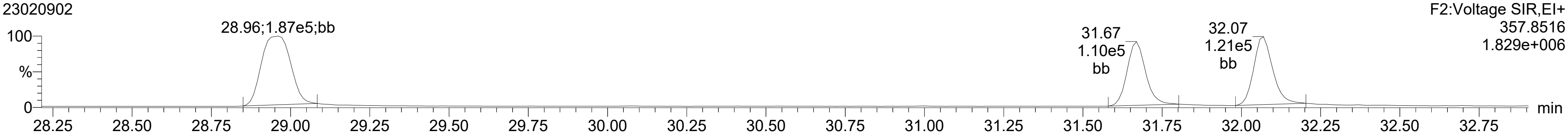
Total-tetradioxins



Total-pentadioxins

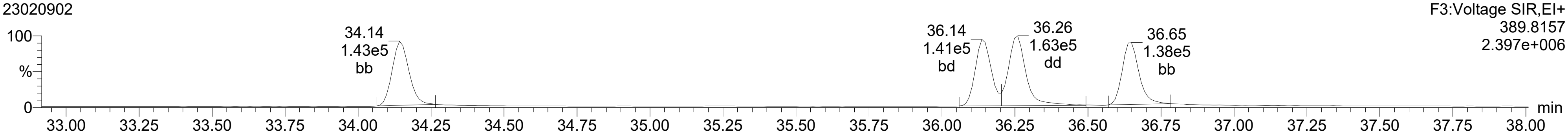


Total-pentadioxins

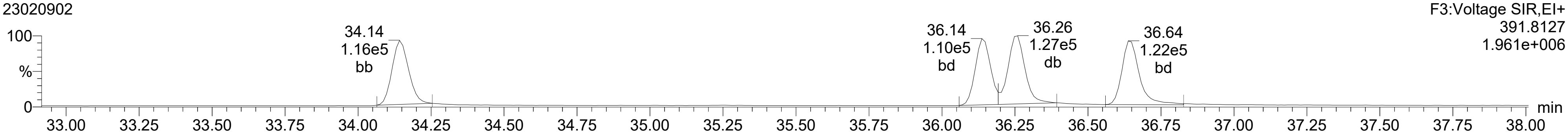


ID: CS3U1, Name: 23020902, Date: 09-Feb-2023, Time: 14:51:21, Conditions: AUTOSPEC01, User: pk

Total-hexadioxins



Total-hexadioxins



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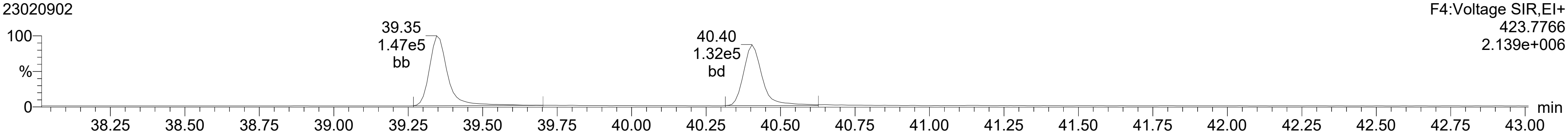
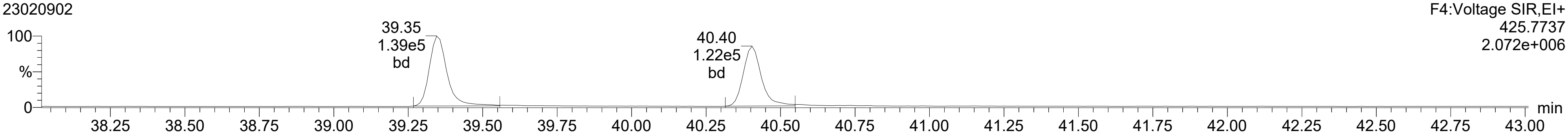
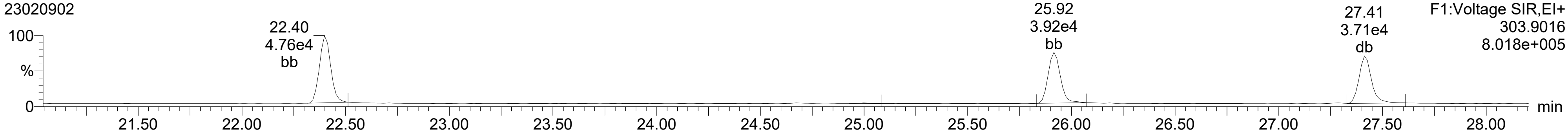


Total-heptadioxins

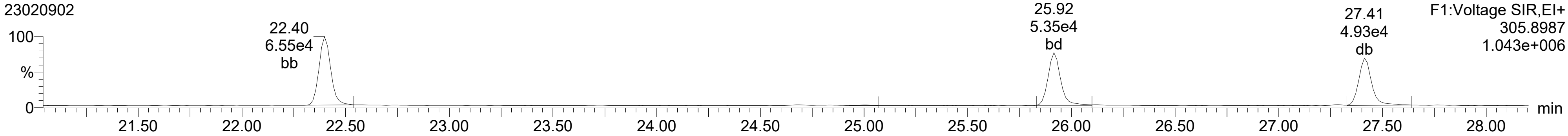


ID: CS3U1, Name: 23020902, Date: 09-Feb-2023, Time: 14:51:21, Conditions: AUTOSPEC01, User: pk

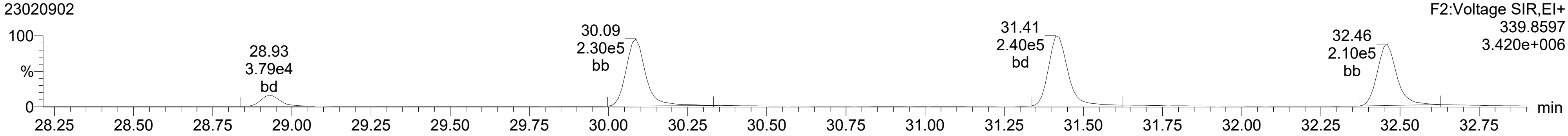
Total-tetrafurans



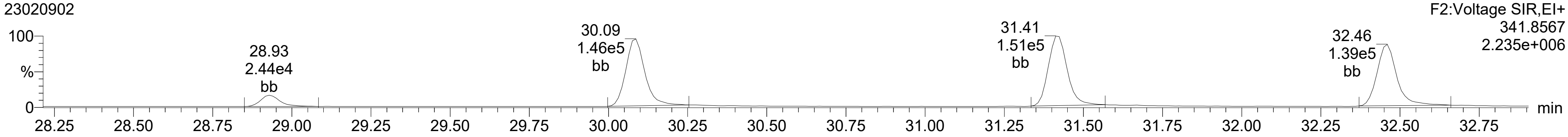
Total-tetrafurans



Total-pentafurans



Total-pentafurans



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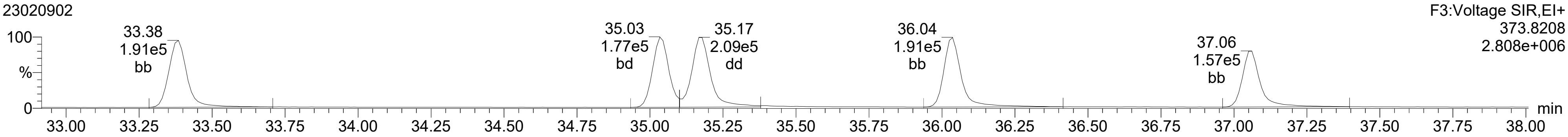
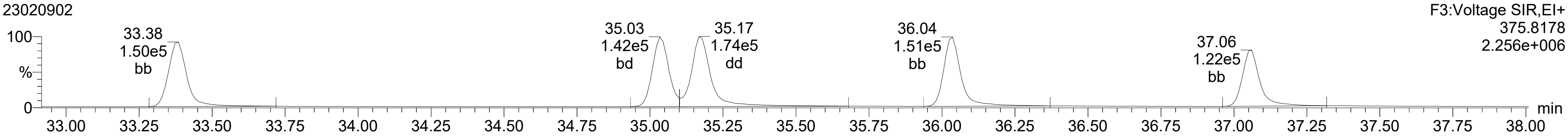
Total-hexafurans



Total-hexafurans



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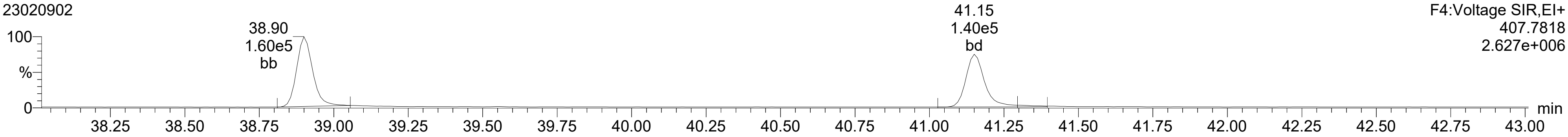
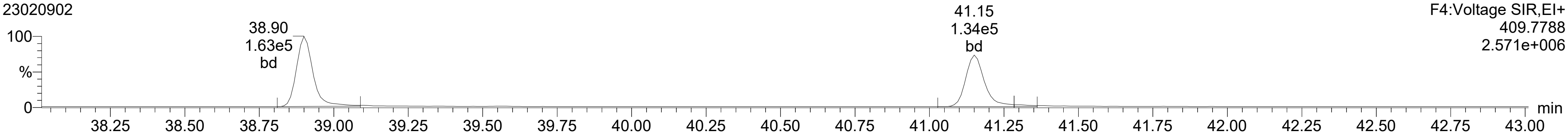


Total-heptafurans



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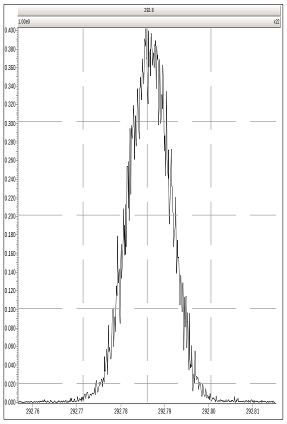
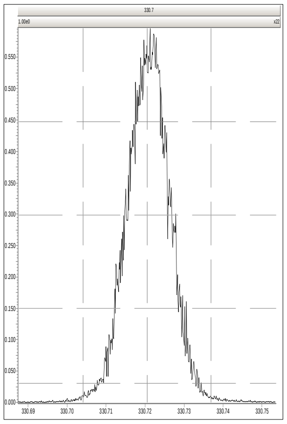
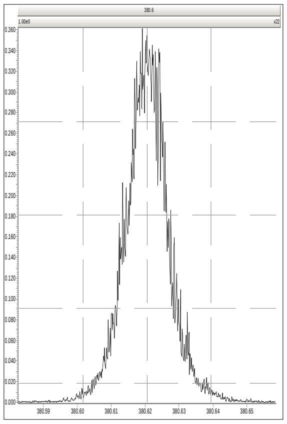


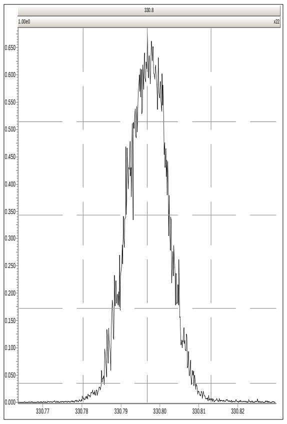
M 330.9792 R 13266



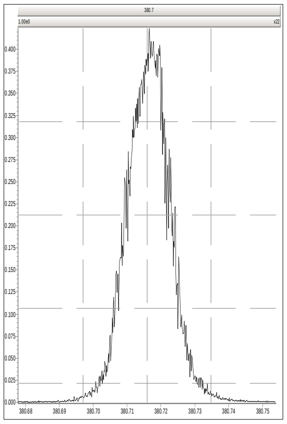
M 380.9760 R 12285



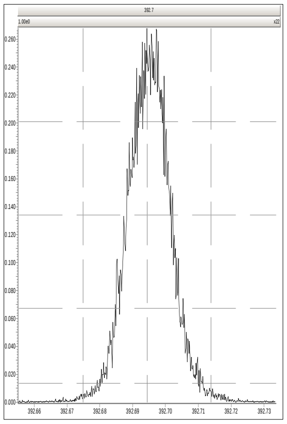
M 330.9792 R 14458



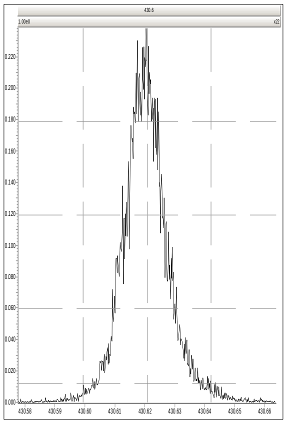
M 380.9760 R 13266



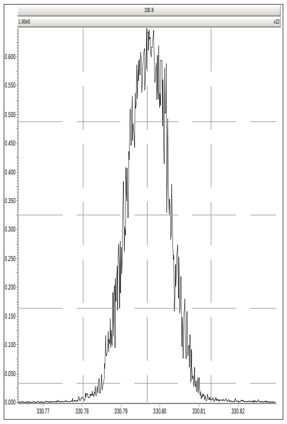
M 392.9760 R 12953



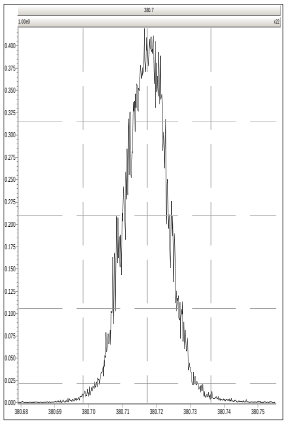
M 430.9728 R 12230



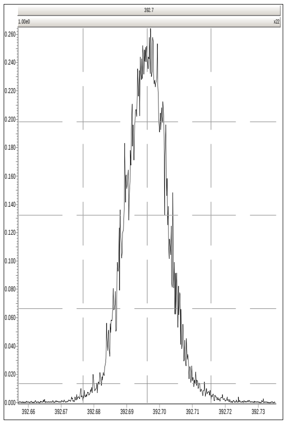
M 330.9792 R 13818



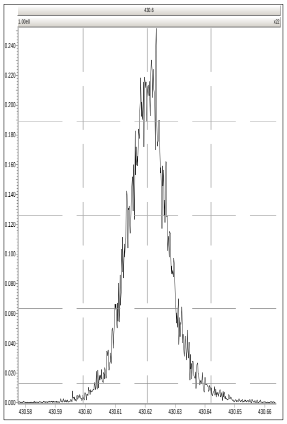
M 380.9760 R 12854



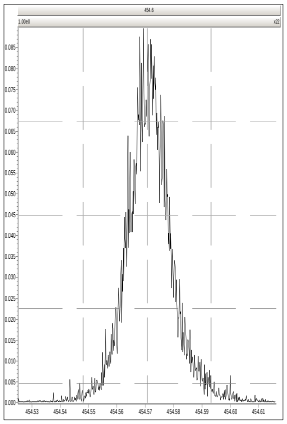
M 392.9760 R 13561



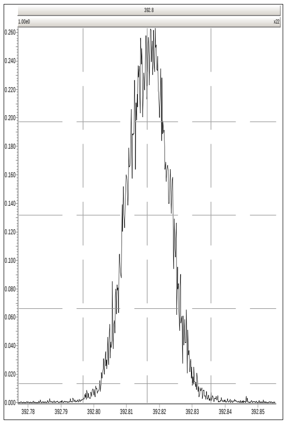
M 430.9728 R 12825



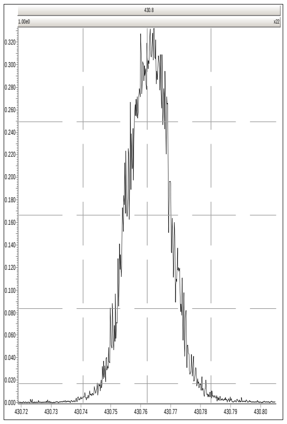
M 454.9728 R 13263



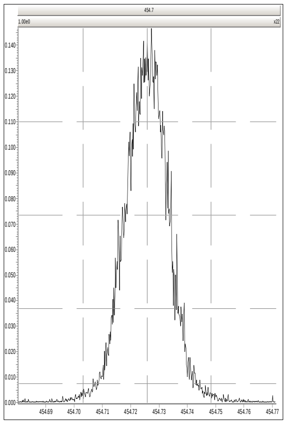
M 392.9760 R 14247



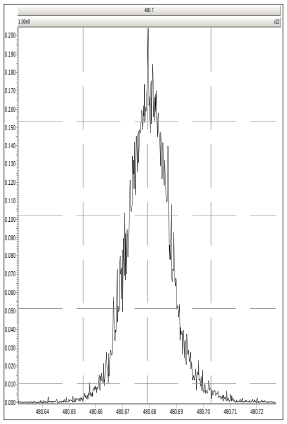
M 430.9728 R 13549



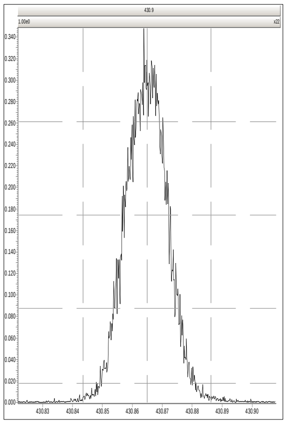
M 454.9728 R 13230



M 480.9696 R 13050



M 430.9728 R 13626



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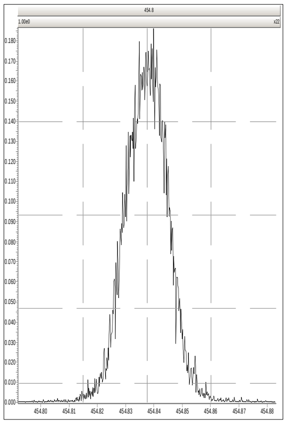
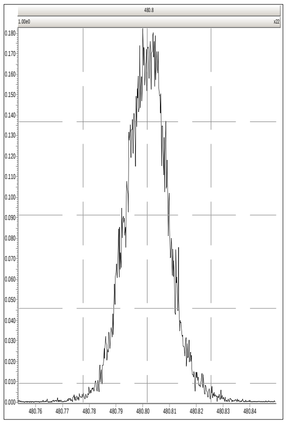
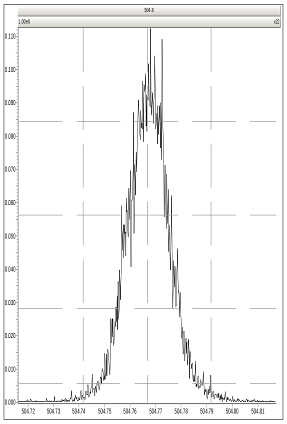


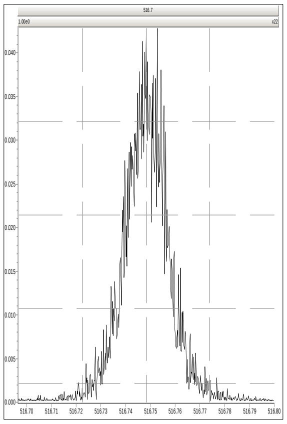
M 480.9696 R 13368

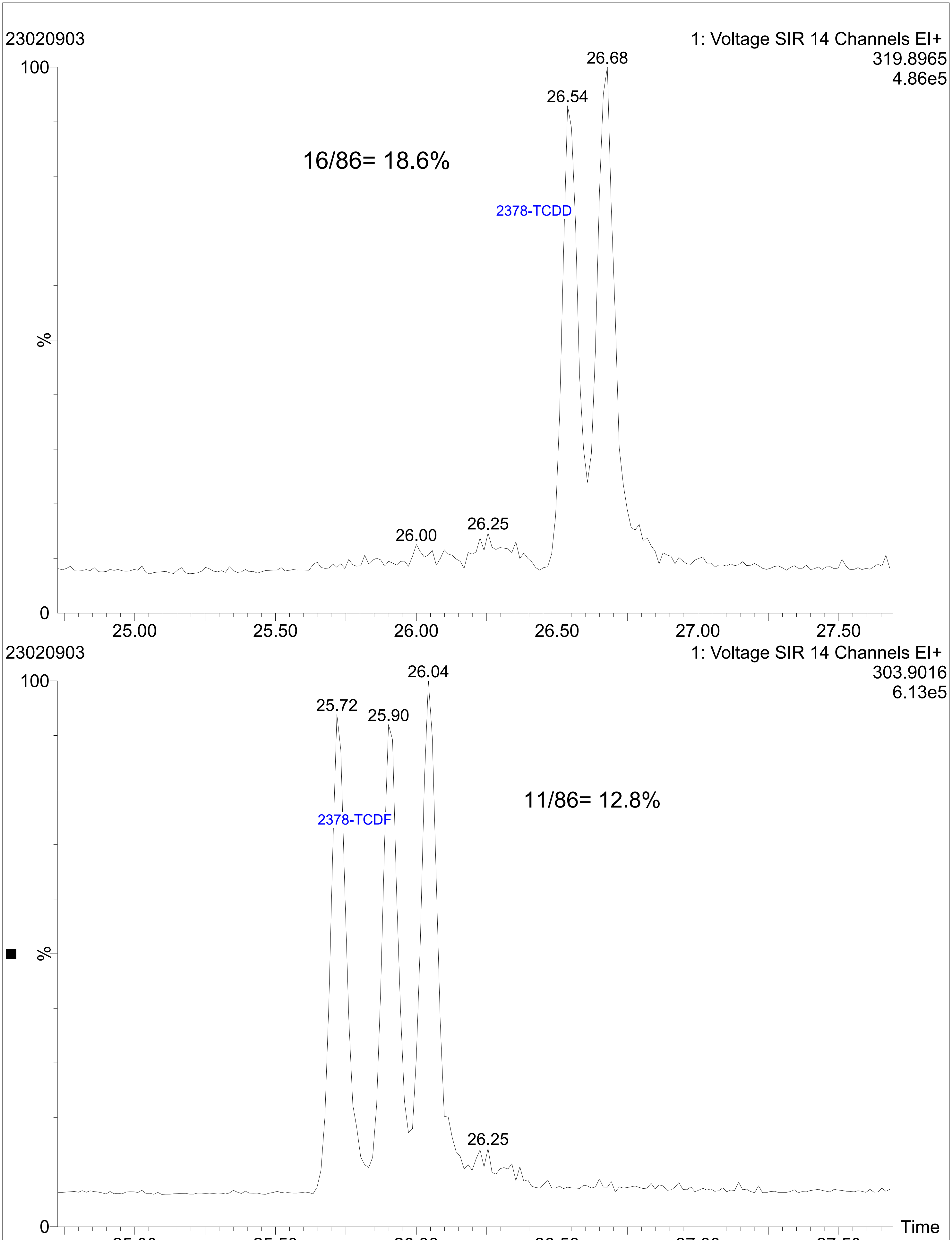


M 504.9696 R 13020



M 516.9697 R 14576




23020903
1: Voltage SIR 14 Channels EI+
319.8965
4.86e5
100
%
0
26.68
26.54
16/86= 18.6%
2378-TCDD
26.25
26.00
25.00
25.50
26.00
26.50
27.00
27.50
23020903
1: Voltage SIR 14 Channels EI+
303.9016
6.13e5
100
%
0
26.04
25.72
25.90
11/86= 12.8%
2378-TCDF
26.25
Time
25.00
25.50
26.00
26.50
27.00
27.50

CONTINUING CALIBRATION CHECK
EPA 1613B

Laboratory: Analytical Resources, LLC
Client: Anchor QEA, LLC
Instrument ID: AUTOSPEC01
Lab File ID: 23020111
Sequence: SLB0026
Lab Sample ID: SLB0026-CCV1
Sequence Name: CS3R2

SDG: 22L0307
Project: AOC4 UR Phase 3
Calibration: GB00010
Calibration Date: 02/01/2023
Injection Date: 02/01/23
Injection Time: 21:12

COMPOUND	TYPE	CONC. (ng/mL)		RESPONSE FACTOR (RRF)			% DRIFT/DIFF	
		STD	CCV	ICAL	CCV	MIN	CCV	LIMIT
2,3,7,8-TCDF	A	10.000	10.2	0.8760604	0.8902585		1.6	+/-16
2,3,7,8-TCDD	A	10.000	9.40	1.2363600	1.1618360		-6.0	+/-22
1,2,3,7,8-PeCDF	A	50.000	50.0	0.8446540	0.8449929		0.04	+/-18
2,3,4,7,8-PeCDF	A	50.000	50.7	0.9111780	0.9236419		1.4	+/-18
1,2,3,7,8-PeCDD	A	50.000	51.1	1.0866850	1.1111520		2.3	+/-22
1,2,3,4,7,8-HxCDF	A	50.000	49.6	1.1816860	1.1728360		-0.7	+/-10
1,2,3,6,7,8-HxCDF	A	50.000	50.9	1.2480480	1.2707090		1.8	+/-12
2,3,4,6,7,8-HxCDF	A	50.000	52.6	1.2288500	1.2939400		5.3	+/-12
1,2,3,7,8,9-HxCDF	A	50.000	50.4	1.1865370	1.1969780		0.9	+/-10
1,2,3,4,7,8-HxCDD	A	50.000	50.3	0.9869672	0.9929396		0.6	+/-22
1,2,3,6,7,8-HxCDD	A	50.000	51.0	1.0207220	1.0413320		2.0	+/-22
1,2,3,7,8,9-HxCDD	A	50.000	50.6	0.9854780	0.9974984		1.2	+/-18
1,2,3,4,6,7,8-HpCDF	A	50.000	48.3	1.2041190	1.1630460		-3.4	+/-10
1,2,3,4,7,8,9-HpCDF	A	50.000	49.7	1.1653050	1.1577820		-0.6	+/-14
1,2,3,4,6,7,8-HpCDD	A	50.000	45.5	1.2525690	1.1398400		-9.0	+/-14
OCDF	A	100.00	90.4	1.1862640	1.0729150		-9.6	+/-37
OCDD	A	100.00	92.8	1.1026670	1.0229970		-7.2	+/-21
13C12-2,3,7,8-TCDF	A	100.00	95.3	1.7680590	1.6841852		-4.7	+/-29
13C12-2,3,7,8-TCDD	A	100.00	103	1.1029470	1.1383762		3.2	+/-18
13C12-1,2,3,7,8-PeCDF	A	100.00	97.8	1.5271250	1.4930478		-2.2	+/-24
13C12-2,3,4,7,8-PeCDF	A	100.00	97.6	1.4662840	1.4306770		-2.4	+/-23
13C12-1,2,3,7,8-PeCDD	A	100.00	95.1	0.9141518	0.8689207		-4.9	+/-38
13C12-1,2,3,4,7,8-HxCDF	A	100.00	102	1.0536610	1.0736203		1.9	+/-24
13C12-1,2,3,6,7,8-HxCDF	A	100.00	102	1.0799530	1.0977524		1.6	+/-30
13C12-2,3,4,6,7,8-HxCDF	A	100.00	99.6	1.0143260	1.0099883		-0.4	+/-27
13C12-1,2,3,7,8,9-HxCDF	A	100.00	101	0.9279333	0.9355105		0.8	+/-26
13C12-1,2,3,4,7,8-HxCDD	A	100.00	100	0.9329336	0.9327825		-0.02	+/-15
13C12-1,2,3,6,7,8-HxCDD	A	100.00	100	0.9646272	0.9644574		-0.02	+/-15
13C12-1,2,3,4,6,7,8-HpCDF	A	100.00	102	1.0360890	1.0530458		1.6	+/-22
13C12-1,2,3,4,7,8,9-HpCDF	A	100.00	104	0.9049372	0.9392673		3.8	+/-23
13C12-1,2,3,4,6,7,8-HpCDD	A	100.00	103	0.7819773	0.8033582		2.7	+/-28
13C12-OCDD	A	200.00	213	0.7882343	0.8392826		6.5	+/-52
37Cl4-2,3,7,8-TCDD	A	10.000	9.04	1.2334500	1.1156124		-9.6	

* Values outside of QC limits

* Values outside of QC limits

* Values outside of QC limits

SECOND-SOURCE
CONTINUING CALIBRATION CHECK
EPA 1613B

Laboratory:	Analytical Resources, LLC	SDG:	22L0307
Client:	Anchor QEA, LLC	Project:	AOC4 UR Phase 3
Instrument ID:	AUTOSPEC01	Calibration:	GB00010
Lab File ID:	23020110	Calibration Date:	02/01/2023
Sequence:	SLB0026	Injection Date:	02/01/23
Lab Sample ID:	SLB0026-SCV1	Injection Time:	20:23
Sequence Name:	ICVCR		

COMPOUND	TYPE	CONC. (ng/mL)		RESPONSE FACTOR (RRF)			% DRIFT/DIFF	
		STD	CCV	ICAL	CCV	MIN	CCV	LIMIT
2,3,7,8-TCDF	A	10.000	9.80	0.8760604	0.8586768		-2.0	
2,3,7,8-TCDD	A	10.000	10.1	1.2363600	1.2492920		1.0	
1,2,3,7,8-PeCDF	A	50.000	49.4	0.8446540	0.8351133		-1.1	
2,3,4,7,8-PeCDF	A	50.000	50.7	0.9111780	0.9242915		1.4	
1,2,3,7,8-PeCDD	A	50.000	48.9	1.0866850	1.0622540		-2.2	
1,2,3,4,7,8-HxCDF	A	50.000	50.8	1.1816860	1.2014960		1.7	
1,2,3,6,7,8-HxCDF	A	50.000	51.1	1.2480480	1.2746570		2.1	
2,3,4,6,7,8-HxCDF	A	50.000	51.5	1.2288500	1.2663990		3.1	
1,2,3,7,8,9-HxCDF	A	50.000	49.9	1.1865370	1.1839220		-0.2	
1,2,3,4,7,8-HxCDD	A	50.000	51.0	0.9869672	1.0062160		2.0	
1,2,3,6,7,8-HxCDD	A	50.000	48.3	1.0207220	0.9861518		-3.4	
1,2,3,7,8,9-HxCDD	A	50.000	49.6	0.9854780	10444.61		-0.8	
1,2,3,4,6,7,8-HpCDF	A	50.000	49.0	1.2041190	1.1796410		-2.0	
1,2,3,4,7,8,9-HpCDF	A	50.000	51.5	1.1653050	1.1995620		2.9	
1,2,3,4,6,7,8-HpCDD	A	50.000	48.8	1.2525690	1.2236480		-2.3	
OCDF	A	100.00	93.0	1.1862640	1.1031570		-7.0	
OCDD	A	100.00	95.8	1.1026670	1.0561160		-4.2	
13C12-2,3,7,8-TCDF	A	100.00	101	1.7680590	1.7827674		0.8	
13C12-2,3,7,8-TCDD	A	100.00	97.3	1.1029470	1.0730574		-2.7	
13C12-1,2,3,7,8-PeCDF	A	100.00	97.9	1.5271250	1.4954172		-2.1	
13C12-2,3,4,7,8-PeCDF	A	100.00	96.0	1.4662840	1.4076825		-4.0	
13C12-1,2,3,7,8-PeCDD	A	100.00	95.6	0.9141518	0.8737537		-4.4	
13C12-1,2,3,4,7,8-HxCDF	A	100.00	99.0	1.0536610	1.0427881		-1.0	
13C12-1,2,3,6,7,8-HxCDF	A	100.00	98.8	1.0799530	1.0669191		-1.2	
13C12-2,3,4,6,7,8-HxCDF	A	100.00	99.3	1.0143260	1.0069993		-0.7	
13C12-1,2,3,7,8,9-HxCDF	A	100.00	98.6	0.9279333	0.9147189		-1.4	
13C12-1,2,3,4,7,8-HxCDD	A	100.00	97.7	0.9329336	0.9118251		-2.3	
13C12-1,2,3,6,7,8-HxCDD	A	100.00	101	0.9646272	0.9706530		0.6	
13C12-1,2,3,4,6,7,8-HpCDF	A	100.00	100	1.0360890	1.0396134		0.3	
13C12-1,2,3,4,7,8,9-HpCDF	A	100.00	101	0.9049372	0.9117511		0.8	
13C12-1,2,3,4,6,7,8-HpCDD	A	100.00	101	0.7819773	0.7868918		0.6	
13C12-OCDD	A	200.00	205	0.7882343	0.8085897		2.6	
37Cl4-2,3,7,8-TCDD	A	10.000	8.94	1.2334500	1.1023697		-10.6	

* Values outside of QC limits

CONTINUING CALIBRATION CHECK
EPA 1613B

Laboratory:	Analytical Resources, LLC	SDG:	22L0307
Client:	Anchor QEA, LLC	Project:	AOC4 UR Phase 3
Instrument ID:	AUTOSPEC01	Calibration:	GB00010
Lab File ID:	23020712	Calibration Date:	02/01/2023
Sequence:	SLB0072	Injection Date:	02/07/23
Lab Sample ID:	SLB0072-CCV1	Injection Time:	18:03
Sequence Name:	CS3T2		

COMPOUND	TYPE	CONC. (ng/mL)		RESPONSE FACTOR (RRF)			% DRIFT/DIFF	
		STD	CCV	ICAL	CCV	MIN	CCV	LIMIT
2,3,7,8-TCDF	A	10.000	9.62	0.8760604	0.8425410		-3.8	+/-16
2,3,7,8-TCDD	A	10.000	9.12	1.2363600	1.1279220		-8.8	+/-22
1,2,3,7,8-PeCDF	A	50.000	49.3	0.8446540	0.8333849		-1.3	+/-18
2,3,4,7,8-PeCDF	A	50.000	50.2	0.9111780	0.9145696		0.4	+/-18
1,2,3,7,8-PeCDD	A	50.000	48.9	1.0866850	1.0635240		-2.1	+/-22
1,2,3,4,7,8-HxCDF	A	50.000	47.2	1.1816860	1.1145670		-5.7	+/-10
1,2,3,6,7,8-HxCDF	A	50.000	46.0	1.2480480	1.1491650		-7.9	+/-12
2,3,4,6,7,8-HxCDF	A	50.000	48.6	1.2288500	1.1942680		-2.8	+/-12
1,2,3,7,8,9-HxCDF	A	50.000	47.0	1.1865370	1.1151780		-6.0	+/-10
1,2,3,4,7,8-HxCDD	A	50.000	46.3	0.9869672	0.9147686		-7.3	+/-22
1,2,3,6,7,8-HxCDD	A	50.000	46.4	1.0207220	0.9463653		-7.3	+/-22
1,2,3,7,8,9-HxCDD	A	50.000	45.4	0.9854780	0.8955373		-9.1	+/-18
1,2,3,4,6,7,8-HpCDF	A	50.000	47.6	1.2041190	1.1462050		-4.8	+/-10
1,2,3,4,7,8,9-HpCDF	A	50.000	47.9	1.1653050	1.1174530		-4.1	+/-14
1,2,3,4,6,7,8-HpCDD	A	50.000	44.8	1.2525690	1.1232850		-10.3	+/-14
OCDF	A	100.00	88.4	1.1862640	1.0487720		-11.6	+/-37
OCDD	A	100.00	92.2	1.1026670	1.0161490		-7.8	+/-21
13C12-2,3,7,8-TCDF	A	100.00	90.4	1.7680590	1.5989330		-9.6	+/-29
13C12-2,3,7,8-TCDD	A	100.00	104	1.1029470	1.1513037		4.4	+/-18
13C12-1,2,3,7,8-PeCDF	A	100.00	96.8	1.5271250	1.4789332		-3.2	+/-24
13C12-2,3,4,7,8-PeCDF	A	100.00	98.7	1.4662840	1.4477561		-1.3	+/-23
13C12-1,2,3,7,8-PeCDD	A	100.00	104	0.9141518	0.9514060		4.1	+/-38
13C12-1,2,3,4,7,8-HxCDF	A	100.00	98.0	1.0536610	1.0323667		-2.0	+/-24
13C12-1,2,3,6,7,8-HxCDF	A	100.00	98.4	1.0799530	1.0621887		-1.6	+/-30
13C12-2,3,4,6,7,8-HxCDF	A	100.00	97.4	1.0143260	0.9880678		-2.6	+/-27
13C12-1,2,3,7,8,9-HxCDF	A	100.00	99.4	0.9279333	0.9219389		-0.6	+/-26
13C12-1,2,3,4,7,8-HxCDD	A	100.00	109	0.9329336	1.0148075		8.8	+/-15
13C12-1,2,3,6,7,8-HxCDD	A	100.00	107	0.9646272	1.0358556		7.4	+/-15
13C12-1,2,3,4,6,7,8-HpCDF	A	100.00	90.9	1.0360890	0.9416701		-9.1	+/-22
13C12-1,2,3,4,7,8,9-HpCDF	A	100.00	93.7	0.9049372	0.8477012		-6.3	+/-23
13C12-1,2,3,4,6,7,8-HpCDD	A	100.00	100	0.7819773	0.7837238		0.2	+/-28
13C12-OCDD	A	200.00	181	0.7882343	0.7125389		-9.6	+/-52
37Cl4-2,3,7,8-TCDD	A	10.000	9.10	1.2334500	1.1218993		-9.0	

* Values outside of QC limits

* Values outside of QC limits

* Values outside of QC limits

Quantify Sample Summary Report **MassLynx MassLynx V4.1 SCN909**

Dataset: T:\Autospec\Processed Data Batch\230207D1.qld
Last Altered: Wednesday, February 08, 2023 08:38:31 Pacific Standard Time
Printed: Wednesday, February 08, 2023 09:30:36 Pacific Standard Time

Method: T:\Autospec\Methods\Dioxin230206.mdb 07 Feb 2023 09:29:10
Calibration: T:\Autospec\Curves\230201ICIH.cdb 03 Feb 2023 10:33:40

ID: CS3T2, Name: 23020712, Date: 07-Feb-2023, Time: 18:03:52, Conditions: AUTOSPEC01, User: pk

Compound	RT	RRT	Ion1Area	Ion2Area	RRF	Ratio	Pred R	Noise 1	Noise 2	Height 1	Height 2	S/N 1	S/N 2	EMPC	Int.1	Int.2	pg
2378-TCDF	25.882	1.001	3.277e4	4.402e4	0.876	0.744	0.770	997	1584	5.01e5	6.76e5	502.2	426.8	NO	bb	bb	9.617
12378-PeCDF	30.037	1.001	2.126e5	1.387e5	0.845	1.533	1.550	1961	1823	3.25e6	2.15e6	1659.1	1177.0	NO	bb	bb	49.333
23478-PeCDF	31.374	1.001	2.264e5	1.510e5	0.911	1.499	1.550	1961	1823	3.56e6	2.28e6	1816.7	1251.6	NO	bb	dd	50.186
123478-HxCDF	34.995	1.001	2.051e5	1.648e5	1.182	1.245	1.240	1581	1600	3.17e6	2.52e6	2001.9	1575.8	NO	bd	bd	47.160
234678-HxCDF	35.987	1.000	2.102e5	1.692e5	1.229	1.242	1.240	1581	1600	3.32e6	2.69e6	2096.4	1683.4	NO	bb	bb	48.593
123678-HxCDF	35.129	1.000	2.187e5	1.737e5	1.248	1.259	1.240	1581	1600	3.39e6	2.67e6	2142.9	1668.0	NO	db	db	46.038
123789-HxCDF	37.012	1.000	1.837e5	1.468e5	1.187	1.251	1.240	1581	1600	2.81e6	2.27e6	1773.8	1417.9	NO	bd	bb	46.993
1234678-HpCDF	38.850	1.000	1.758e5	1.712e5	1.204	1.027	1.050	2063	1689	2.83e6	2.80e6	1371.7	1657.9	NO	bd	bb	47.595
1234789-HpCDF	41.101	1.000	1.540e5	1.505e5	1.165	1.023	1.050	2063	1689	2.16e6	2.14e6	1046.6	1265.4	NO	bd	bb	47.947
OCDF	45.367	1.006	2.270e5	2.535e5	1.186	0.895	0.890	1195	1577	2.58e6	2.84e6	2156.5	1802.5	NO	bd	bd	88.410
2378-TCDD	26.517	1.001	3.268e4	4.134e4	1.236	0.791	0.770	958	1020	5.06e5	6.20e5	528.3	607.8	NO	bb	bb	9.123
12378-PeCDD	31.631	1.001	1.765e5	1.119e5	1.087	1.578	1.550	1663	1480	2.74e6	1.72e6	1646.9	1162.9	NO	bb	bb	48.934
123478-HxCDD	36.098	1.000	1.629e5	1.355e5	0.987	1.202	1.240	1413	1787	2.76e6	2.30e6	1952.5	1286.8	NO	bd	bd	46.342
123678-HxCDD	36.221	1.001	1.732e5	1.419e5	1.021	1.220	1.240	1413	1787	2.77e6	2.24e6	1958.5	1250.6	NO	db	db	46.358
123789-HxCDD	36.599	1.011	1.629e5	1.322e5	0.985	1.232	1.240	1413	1787	2.60e6	2.13e6	1843.0	1191.0	NO	bb	bb	45.437
1234678-HpCDD	40.354	1.000	1.447e5	1.383e5	1.253	1.046	1.050	1460	1446	2.12e6	2.03e6	1452.7	1404.4	NO	bd	bd	44.839
OCDD	45.120	1.000	2.168e5	2.488e5	1.103	0.871	0.890	1128	726	2.60e6	2.94e6	2303.6	4053.8	NO	bb	bb	92.154
13C-2378-TCDF	25.867	1.007	4.007e5	5.108e5	1.768	0.785	0.770	2076	1628	6.15e6	7.77e6	2965.3	4774.1	NO	bb	bb	90.434
13C-12378-PeCDF	30.015	1.169	5.099e5	3.332e5	1.527	1.530	1.550	2048	1361	7.68e6	5.07e6	3753.0	3723.4	NO	bb	bb	96.844
13C-23478-PeCDF	31.352	1.221	4.998e5	3.256e5	1.466	1.535	1.550	2048	1361	7.66e6	4.94e6	3743.1	3629.9	NO	bb	bb	98.736
13C-123478-HxCDF	34.973	0.956	2.234e5	4.404e5	1.054	0.507	0.510	1394	2029	3.63e6	7.07e6	2601.9	3486.4	NO	bd	bd	97.979
13C-123678-HxCDF	35.118	0.960	2.336e5	4.493e5	1.080	0.520	0.510	1394	2029	3.70e6	7.18e6	2652.9	3540.5	NO	db	db	98.355
13C-234678-HxCDF	35.976	0.983	2.155e5	4.198e5	1.014	0.513	0.510	1394	2029	3.61e6	6.99e6	2592.2	3445.0	NO	bb	bb	97.411
13C-123789-HxCDF	37.001	1.011	1.992e5	3.936e5	0.928	0.506	0.510	1394	2029	3.27e6	6.47e6	2343.4	3188.4	NO	bb	bb	99.354
13C-1234678-HpCDF	38.839	1.062	1.870e5	4.184e5	1.036	0.447	0.440	1688	2097	3.12e6	7.10e6	1847.8	3384.0	NO	bb	bb	90.887
13C-1234789-HpCDF	41.090	1.123	1.676e5	3.774e5	0.905	0.444	0.440	1688	2097	2.41e6	5.32e6	1425.7	2535.6	NO	bd	bd	93.675
13C-1234-TCDD	25.685	0.000	2.526e5	3.174e5	1.000	0.796	0.770	1770	1120	4.00e6	5.00e6	2260.7	4465.7	NO	bb	bb	100.000
13C-2378-TCDD	26.502	1.032	2.894e5	3.669e5	1.103	0.789	0.770	1770	1120	4.37e6	5.52e6	2468.5	4931.0	NO	bb	bb	104.384
13C-12378-PeCDD	31.608	1.231	3.343e5	2.080e5	0.914	1.607	1.550	889	1886	4.93e6	3.13e6	5548.9	1657.3	NO	bb	bd	104.075
13C-123478-HxCDD	36.087	0.986	3.637e5	2.888e5	0.933	1.260	1.240	2336	1276	6.15e6	4.85e6	2633.3	3799.7	NO	bd	bd	108.776
13C-123678-HxCDD	36.199	0.989	3.733e5	2.927e5	0.965	1.275	1.240	2336	1276	6.04e6	4.76e6	2587.7	3729.2	NO	db	db	107.384
13C-1234678-HpCDD	40.343	1.103	2.613e5	2.426e5	0.782	1.077	1.050	1333	1266	3.89e6	3.61e6	2916.8	2849.1	NO	bb	bd	100.223
13C-OCDD	45.102	1.233	4.384e5	4.778e5	0.788	0.918	0.890	1711	1145	5.34e6	5.74e6	3120.2	5013.8	NO	bb	bb	180.794
13C-123789-HxCDD	36.588	0.000	3.587e5	2.843e5	1.000	1.262	1.240	2336	1276	5.81e6	4.66e6	2488.9	3649.7	NO	bb	bb	100.000
37CL-2378-TCDD	26.517	1.032	6.396e4		1.233			1329		9.96e5		749.5			bb		9.096

ID: CS3T2, Name: 23020712, Date: 07-Feb-2023, Time: 18:03:52, Conditions: AUTOSPEC01, User: pk

Compound	RT	RRT	Ion1Area	Ion2Area	RRF	Ratio	Pred R	Noise 1	Noise 2	Height 1	Height 2	S/N 1	S/N 2	EMPC	Int.1	Int.2	pg
1368-TCDF	22.359	0.864	3.726e4	4.903e4	1.064	0.760	0.770	997	1584	5.78e5	7.73e5	579.4	488.1	NO	bb	bb	8.893
1289-TCDF	27.378	1.058	3.235e4	4.245e4	0.858	0.762	0.770	997	1584	4.84e5	6.44e5	485.1	406.4	NO	db	db	9.568
13468-PECDF	27.227	0.907	2.740e5	1.745e5	1.013	1.570	1.550	654	870	4.19e6	2.73e6	6408.0	3144.6	NO	bb	bb	52.525
12389-PECDF	32.410	1.080	2.153e5	1.414e5	0.844	1.523	1.550	1961	1823	3.23e6	2.12e6	1649.2	1162.6	NO	bb	bb	50.151
123468-HXCDF	33.335	0.953	2.054e5	1.657e5	1.197	1.239	1.240	1581	1600	3.06e6	2.52e6	1933.1	1573.0	NO	bb	bb	46.698
1368-TCDD	23.644	0.892	2.987e4	3.899e4	1.084	0.766	0.770	958	1020	4.60e5	6.04e5	479.8	592.3	NO	bb	bb	9.676
1289-TCDD	27.122	1.023	2.843e4	3.757e4	0.975	0.757	0.770	958	1020	4.28e5	5.60e5	447.1	549.0	NO	bb	bb	10.311
12479-PECDD	28.912	0.915	2.811e5	1.811e5	1.837	1.552	1.550	1663	1480	2.72e6	1.74e6	1635.6	1173.4	NO	bb	bb	46.381
12389-PECDD	32.021	1.013	2.046e5	1.300e5	1.252	1.574	1.550	1663	1480	3.09e6	2.00e6	1858.7	1348.7	NO	bb	bb	49.269
124679-HXCDD	34.104	0.945	1.714e5	1.381e5	1.033	1.241	1.240	1413	1787	2.67e6	2.17e6	1887.9	1214.4	NO	bb	bb	45.934
1234679-HPCDD	39.307	0.974	1.602e5	1.563e5	1.286	1.025	1.050	1460	1446	2.52e6	2.40e6	1728.2	1661.6	NO	bd	bd	48.826
Total-tetrafurans			1.033e5		0.933			997		1.58e6							28.328
Total-penta1			2.740e5					654		4.19e6							52.525
Total-pentafurans			6.875e5		0.866			1961		1.06e7							157.288
Total-hexafurans			1.023e6		1.208			1581		1.57e7							235.482
Total-heptafurans			3.298e5		1.185			2063		4.99e6							95.542
Total-Furans			2.645e6		1.067			997		3.96e7							657.574
Total-tetradioxins			1.549e5		1.099			958		2.14e6							49.032
Total-pentadioxins			6.628e5		1.392			1663		8.56e6							144.714
Total-hexadioxins			6.722e5		1.007			1413		1.08e7							184.532
Total-heptadioxins			3.048e5		1.269			1460		4.65e6							93.665
Total-Dioxins			2.012e6		1.165			958		2.88e7							564.097
Total-TEQ			4.656e6					958		6.84e7							1221.671
FUNCTION1 PFK			2.655e7					338448		1.39e8							
FUNCTION2 PFK			6.100e3					202881		3.37e5							0.000
FUNCTION3 PFK			1.677e7					268870		1.67e7							0.000
FUNCTION4 PFK			4.680e4					186506		1.19e6							
FUNCTION5 PFK			9.757e4					125142		3.45e6							
FUNCTION1 HXCD...			5.883e2					719		8.53e3							0.000
FUNCTION1 HPCD...			7.087e2					765		9.46e3							0.000
FUNCTION2 HPCD...			4.761e2					974		7.53e3							0.000
FUNCTION3 OCDPE			5.293e2					700		7.57e3							0.000
FUNCTION4 NCDPE			6.561e2					933		1.27e4							0.000
FUNCTION5 DCDPE			7.441e1					685		1.58e3							0.000

Method: T:\Autospec\Methods\Dioxin230206.mdb 07 Feb 2023 09:29:10
Calibration: T:\Autospec\Curves\230201ICIH.cdb 03 Feb 2023 10:33:40

ID: CS3T2, Name: 23020712, Date: 07-Feb-2023, Time: 18:03:52, Conditions: AUTOSPEC01, User: pk

TF

	Compound	RT	Ion1Area	Ion2Area	RRF	Ratio	Pred R	S/N 1	SNFlag	EMPC	Int.1	Int.2	pg
1	1289-TCDF	27.38	3.235e4	4.245e4	0.858	0.76	0.77	485.1	YES	NO	db	db	9.568
2	Total-tetrafurans	27.24	8.735e2	1.247e3	0.933	0.70	0.77	14.5	YES	NO	bd	bd	0.249
3	2378-TCDF	25.88	3.277e4	4.402e4	0.876	0.74	0.77	502.2	YES	NO	bb	bb	9.617
4	1368-TCDF	22.36	3.726e4	4.903e4	1.064	0.76	0.77	579.4	YES	NO	bb	bb	8.893

PP

	Compound	RT	Ion1Area	Ion2Area	RRF	Ratio	Pred R	S/N 1	SNFlag	EMPC	Int.1	Int.2	pg
1	13468-PECDF	27.23	2.740e5	1.745e5	1.013	1.57	1.55	6408.0	YES	NO	bb	bb	52.525

PF

	Compound	RT	Ion1Area	Ion2Area	RRF	Ratio	Pred R	S/N 1	SNFlag	EMPC	Int.1	Int.2	pg
1	Total-pentafurans	30.20	1.837e2	1.243e2	0.866	1.48	1.55	2.4	NO	NO	bb	bb	0.043
2	12378-PeCDF	30.04	2.126e5	1.387e5	0.845	1.53	1.55	1659.1	YES	NO	bb	bb	49.333
3	Total-pentafurans	28.89	3.289e4	2.164e4	0.866	1.52	1.55	257.1	YES	NO	bb	bb	7.545
4	12389-PECDF	32.41	2.153e5	1.414e5	0.844	1.52	1.55	1649.2	YES	NO	bb	bb	50.151
5	Total-pentafurans	31.62	1.344e2	7.833e1	0.866	1.72	1.55	1.9	NO	NO	bb	db	0.029
6	23478-PeCDF	31.37	2.264e5	1.510e5	0.911	1.50	1.55	1816.7	YES	NO	bb	dd	50.186

HF

	Compound	RT	Ion1Area	Ion2Area	RRF	Ratio	Pred R	S/N 1	SNFlag	EMPC	Int.1	Int.2	pg
1	123789-HxCDF	37.01	1.837e5	1.468e5	1.187	1.25	1.24	1773.8	YES	NO	bd	bb	46.993
2	234678-HxCDF	35.99	2.102e5	1.692e5	1.229	1.24	1.24	2096.4	YES	NO	bb	bb	48.593
3	123678-HxCDF	35.13	2.187e5	1.737e5	1.248	1.26	1.24	2142.9	YES	NO	db	db	46.038
4	123478-HxCDF	35.00	2.051e5	1.648e5	1.182	1.24	1.24	2001.9	YES	NO	bd	bd	47.160
5	123468-HXCDF	33.34	2.054e5	1.657e5	1.197	1.24	1.24	1933.1	YES	NO	bb	bb	46.698

HPF

	Compound	RT	Ion1Area	Ion2Area	RRF	Ratio	Pred R	S/N 1	SNFlag	EMPC	Int.1	Int.2	pg
1	1234789-HpCDF	41.10	1.540e5	1.505e5	1.165	1.02	1.05	1046.6	YES	NO	bd	bb	47.947
2	1234678-HpCDF	38.85	1.758e5	1.712e5	1.204	1.03	1.05	1371.7	YES	NO	bd	bb	47.595

ID: CS3T2, Name: 23020712, Date: 07-Feb-2023, Time: 18:03:52, Conditions: AUTOSPEC01, User: pk

Furans,TF,PP,PF,HF,HPF,OF

	Compound	RT	Ion1Area	Ion2Area	RRF	Ratio	Pred R	S/N 1	SNFlag	EMPC	Int.1	Int.2	pg
1	1289-TCDF	27.38	3.235e4	4.245e4	0.858	0.76	0.77	485.1	YES	NO	db	db	9.568
2	Total-tetrafurans	27.24	8.735e2	1.247e3	0.933	0.70	0.77	14.5	YES	NO	bd	bd	0.249
3	2378-TCDF	25.88	3.277e4	4.402e4	0.876	0.74	0.77	502.2	YES	NO	bb	bb	9.617
4	1368-TCDF	22.36	3.726e4	4.903e4	1.064	0.76	0.77	579.4	YES	NO	bb	bb	8.893
5	Total-pentafurans	30.20	1.837e2	1.243e2	0.866	1.48	1.55	2.4	NO	NO	bb	bb	0.043
6	12378-PeCDF	30.04	2.126e5	1.387e5	0.845	1.53	1.55	1659.1	YES	NO	bb	bb	49.333
7	Total-pentafurans	28.89	3.289e4	2.164e4	0.866	1.52	1.55	257.1	YES	NO	bb	bb	7.545
8	12389-PECDF	32.41	2.153e5	1.414e5	0.844	1.52	1.55	1649.2	YES	NO	bb	bb	50.151
9	Total-pentafurans	31.62	1.344e2	7.833e1	0.866	1.72	1.55	1.9	NO	NO	bb	db	0.029
10	23478-PeCDF	31.37	2.264e5	1.510e5	0.911	1.50	1.55	1816.7	YES	NO	bb	dd	50.186
11	123789-HxCDF	37.01	1.837e5	1.468e5	1.187	1.25	1.24	1773.8	YES	NO	bd	bb	46.993
12	234678-HxCDF	35.99	2.102e5	1.692e5	1.229	1.24	1.24	2096.4	YES	NO	bb	bb	48.593
13	123678-HxCDF	35.13	2.187e5	1.737e5	1.248	1.26	1.24	2142.9	YES	NO	db	db	46.038
14	123478-HxCDF	35.00	2.051e5	1.648e5	1.182	1.24	1.24	2001.9	YES	NO	bd	bd	47.160
15	123468-HXCDF	33.34	2.054e5	1.657e5	1.197	1.24	1.24	1933.1	YES	NO	bb	bb	46.698
16	1234789-HpCDF	41.10	1.540e5	1.505e5	1.165	1.02	1.05	1046.6	YES	NO	bd	bb	47.947
17	1234678-HpCDF	38.85	1.758e5	1.712e5	1.204	1.03	1.05	1371.7	YES	NO	bd	bb	47.595
18	OCDF	45.37	2.270e5	2.535e5	1.186	0.90	0.89	2156.5	YES	NO	bd	bd	88.410
19	13468-PECDF	27.23	2.740e5	1.745e5	1.013	1.57	1.55	6408.0	YES	NO	bb	bb	52.525

TD

	Compound	RT	Ion1Area	Ion2Area	RRF	Ratio	Pred R	S/N 1	SNFlag	EMPC	Int.1	Int.2	pg
1	1289-TCDD	27.12	2.843e4	3.757e4	0.975	0.76	0.77	447.1	YES	NO	bb	bb	10.311
2	2378-TCDD	26.52	3.268e4	4.134e4	1.236	0.79	0.77	528.3	YES	NO	bb	bb	9.123
3	Total-tetradioxins	26.20	4.683e4	5.977e4	1.099	0.78	0.77	505.8	YES	NO	bb	bb	14.785
4	Total-tetradioxins	25.70	1.574e4	1.835e4	1.099	0.86	0.77	259.4	YES	NO	bb	bb	4.728
5	Total-tetradioxins	24.82	1.366e3	1.588e3	1.099	0.86	0.77	14.0	YES	NO	bb	db	0.410
6	1368-TCDD	23.64	2.987e4	3.899e4	1.084	0.77	0.77	479.8	YES	NO	bb	bb	9.676

PD

	Compound	RT	Ion1Area	Ion2Area	RRF	Ratio	Pred R	S/N 1	SNFlag	EMPC	Int.1	Int.2	pg
1	12479-PECDD	28.91	2.811e5	1.811e5	1.837	1.55	1.55	1635.6	YES	NO	bb	bb	46.381
2	12389-PECDD	32.02	2.046e5	1.300e5	1.252	1.57	1.55	1858.7	YES	NO	bb	bb	49.269
3	12378-PeCDD	31.63	1.765e5	1.119e5	1.087	1.58	1.55	1646.9	YES	NO	bb	bb	48.934
4	Total-pentadioxins	30.03	5.772e2	4.005e2	1.392	1.44	1.55	5.3	YES	NO	bb	bb	0.130

ID: CS3T2, Name: 23020712, Date: 07-Feb-2023, Time: 18:03:52, Conditions: AUTOSPEC01, User: pk

HD

	Compound	RT	Ion1Area	Ion2Area	RRF	Ratio	Pred R	S/N 1	SNFlag	EMPC	Int.1	Int.2	pg
1	Total-hexadioxins	37.00	4.202e2	2.992e2	1.007	1.40	1.24	6.2	NO	NO	bd	bb	0.108
2	123789-HxCDD	36.60	1.629e5	1.322e5	0.985	1.23	1.24	1843.0	YES	NO	bb	bb	45.437
3	123678-HxCDD	36.22	1.732e5	1.419e5	1.021	1.22	1.24	1958.5	YES	NO	db	db	46.358
4	123478-HxCDD	36.10	1.629e5	1.355e5	0.987	1.20	1.24	1952.5	YES	NO	bd	bd	46.342
5	Total-hexadioxins	35.18	1.270e3	1.070e3	1.007	1.19	1.24	8.9	YES	NO	bb	bb	0.353
6	124679-HXCDD	34.10	1.714e5	1.381e5	1.033	1.24	1.24	1887.9	YES	NO	bb	bb	45.934

HPD

	Compound	RT	Ion1Area	Ion2Area	RRF	Ratio	Pred R	S/N 1	SNFlag	EMPC	Int.1	Int.2	pg
1	1234679-HPCDD	39.31	1.602e5	1.563e5	1.286	1.02	1.05	1728.2	YES	NO	bd	bd	48.826
2	1234678-HpCDD	40.35	1.447e5	1.383e5	1.253	1.05	1.05	1452.7	YES	NO	bd	bd	44.839

Dioxins,TD,PD,HD,HPD,OD

	Compound	RT	Ion1Area	Ion2Area	RRF	Ratio	Pred R	S/N 1	SNFlag	EMPC	Int.1	Int.2	pg
1	1289-TCDD	27.12	2.843e4	3.757e4	0.975	0.76	0.77	447.1	YES	NO	bb	bb	10.311
2	2378-TCDD	26.52	3.268e4	4.134e4	1.236	0.79	0.77	528.3	YES	NO	bb	bb	9.123
3	Total-tetradioxins	26.20	4.683e4	5.977e4	1.099	0.78	0.77	505.8	YES	NO	bb	bb	14.785
4	Total-tetradioxins	25.70	1.574e4	1.835e4	1.099	0.86	0.77	259.4	YES	NO	bb	bb	4.728
5	Total-tetradioxins	24.82	1.366e3	1.588e3	1.099	0.86	0.77	14.0	YES	NO	bb	db	0.410
6	1368-TCDD	23.64	2.987e4	3.899e4	1.084	0.77	0.77	479.8	YES	NO	bb	bb	9.676
7	12479-PECDD	28.91	2.811e5	1.811e5	1.837	1.55	1.55	1635.6	YES	NO	bb	bb	46.381
8	12389-PECDD	32.02	2.046e5	1.300e5	1.252	1.57	1.55	1858.7	YES	NO	bb	bb	49.269
9	12378-PeCDD	31.63	1.765e5	1.119e5	1.087	1.58	1.55	1646.9	YES	NO	bb	bb	48.934
10	Total-pentadioxins	30.03	5.772e2	4.005e2	1.392	1.44	1.55	5.3	YES	NO	bb	bb	0.130
11	Total-hexadioxins	37.00	4.202e2	2.992e2	1.007	1.40	1.24	6.2	NO	NO	bd	bb	0.108
12	123789-HxCDD	36.60	1.629e5	1.322e5	0.985	1.23	1.24	1843.0	YES	NO	bb	bb	45.437
13	123678-HxCDD	36.22	1.732e5	1.419e5	1.021	1.22	1.24	1958.5	YES	NO	db	db	46.358
14	123478-HxCDD	36.10	1.629e5	1.355e5	0.987	1.20	1.24	1952.5	YES	NO	bd	bd	46.342
15	Total-hexadioxins	35.18	1.270e3	1.070e3	1.007	1.19	1.24	8.9	YES	NO	bb	bb	0.353
16	124679-HXCDD	34.10	1.714e5	1.381e5	1.033	1.24	1.24	1887.9	YES	NO	bb	bb	45.934
17	1234679-HPCDD	39.31	1.602e5	1.563e5	1.286	1.02	1.05	1728.2	YES	NO	bd	bd	48.826
18	OCDD	45.12	2.168e5	2.488e5	1.103	0.87	0.89	2303.6	YES	NO	bb	bb	92.154
19	1234678-HpCDD	40.35	1.447e5	1.383e5	1.253	1.05	1.05	1452.7	YES	NO	bd	bd	44.839

ID: CS3T2, Name: 23020712, Date: 07-Feb-2023, Time: 18:03:52, Conditions: AUTOSPEC01, User: pk

TotalTEQ,Furans,Dioxins

	Compound	RT	Ion1Area	Ion2Area	RRF	Ratio	Pred R	S/N 1	SNFlag	EMPC	Int.1	Int.2	pg
1	1289-TCDF	27.38	3.235e4	4.245e4	0.858	0.76	0.77	485.1	YES	NO	db	db	9.568
2	Total-tetrafurans	27.24	8.735e2	1.247e3	0.933	0.70	0.77	14.5	YES	NO	bd	bd	0.249
3	2378-TCDF	25.88	3.277e4	4.402e4	0.876	0.74	0.77	502.2	YES	NO	bb	bb	9.617
4	1368-TCDF	22.36	3.726e4	4.903e4	1.064	0.76	0.77	579.4	YES	NO	bb	bb	8.893
5	Total-pentafurans	30.20	1.837e2	1.243e2	0.866	1.48	1.55	2.4	NO	NO	bb	bb	0.043
6	12378-PeCDF	30.04	2.126e5	1.387e5	0.845	1.53	1.55	1659.1	YES	NO	bb	bb	49.333
7	Total-pentafurans	28.89	3.289e4	2.164e4	0.866	1.52	1.55	257.1	YES	NO	bb	bb	7.545
8	12389-PECDF	32.41	2.153e5	1.414e5	0.844	1.52	1.55	1649.2	YES	NO	bb	bb	50.151
9	Total-pentafurans	31.62	1.344e2	7.833e1	0.866	1.72	1.55	1.9	NO	NO	bb	db	0.029
10	23478-PeCDF	31.37	2.264e5	1.510e5	0.911	1.50	1.55	1816.7	YES	NO	bb	dd	50.186
11	123789-HxCDF	37.01	1.837e5	1.468e5	1.187	1.25	1.24	1773.8	YES	NO	bd	bb	46.993
12	234678-HxCDF	35.99	2.102e5	1.692e5	1.229	1.24	1.24	2096.4	YES	NO	bb	bb	48.593
13	123678-HxCDF	35.13	2.187e5	1.737e5	1.248	1.26	1.24	2142.9	YES	NO	db	db	46.038
14	123478-HxCDF	35.00	2.051e5	1.648e5	1.182	1.24	1.24	2001.9	YES	NO	bd	bd	47.160
15	123468-HXCDF	33.34	2.054e5	1.657e5	1.197	1.24	1.24	1933.1	YES	NO	bb	bb	46.698
16	1234789-HpCDF	41.10	1.540e5	1.505e5	1.165	1.02	1.05	1046.6	YES	NO	bd	bb	47.947
17	1234678-HpCDF	38.85	1.758e5	1.712e5	1.204	1.03	1.05	1371.7	YES	NO	bd	bb	47.595
18	OCDF	45.37	2.270e5	2.535e5	1.186	0.90	0.89	2156.5	YES	NO	bd	bd	88.410
19	13468-PECDF	27.23	2.740e5	1.745e5	1.013	1.57	1.55	6408.0	YES	NO	bb	bb	52.525
20	1289-TCDD	27.12	2.843e4	3.757e4	0.975	0.76	0.77	447.1	YES	NO	bb	bb	10.311
21	2378-TCDD	26.52	3.268e4	4.134e4	1.236	0.79	0.77	528.3	YES	NO	bb	bb	9.123
22	Total-tetradioxins	26.20	4.683e4	5.977e4	1.099	0.78	0.77	505.8	YES	NO	bb	bb	14.785
23	Total-tetradioxins	25.70	1.574e4	1.835e4	1.099	0.86	0.77	259.4	YES	NO	bb	bb	4.728
24	Total-tetradioxins	24.82	1.366e3	1.588e3	1.099	0.86	0.77	14.0	YES	NO	bb	db	0.410
25	1368-TCDD	23.64	2.987e4	3.899e4	1.084	0.77	0.77	479.8	YES	NO	bb	bb	9.676
26	12479-PECDD	28.91	2.811e5	1.811e5	1.837	1.55	1.55	1635.6	YES	NO	bb	bb	46.381
27	12389-PECDD	32.02	2.046e5	1.300e5	1.252	1.57	1.55	1858.7	YES	NO	bb	bb	49.269
28	12378-PeCDD	31.63	1.765e5	1.119e5	1.087	1.58	1.55	1646.9	YES	NO	db	bb	48.934
29	Total-pentadioxins	30.03	5.772e2	4.005e2	1.392	1.44	1.55	5.3	YES	NO	bb	bb	0.130
30	Total-hexadioxins	37.00	4.202e2	2.992e2	1.007	1.40	1.24	6.2	NO	NO	bd	bb	0.108
31	123789-HxCDD	36.60	1.629e5	1.322e5	0.985	1.23	1.24	1843.0	YES	NO	bb	bb	45.437
32	123678-HxCDD	36.22	1.732e5	1.419e5	1.021	1.22	1.24	1958.5	YES	NO	db	db	46.358
33	123478-HxCDD	36.10	1.629e5	1.355e5	0.987	1.20	1.24	1952.5	YES	NO	bd	bd	46.342
34	Total-hexadioxins	35.18	1.270e3	1.070e3	1.007	1.19	1.24	8.9	YES	NO	bb	bb	0.353
35	124679-HXCDD	34.10	1.714e5	1.381e5	1.033	1.24	1.24	1887.9	YES	NO	bb	bb	45.934
36	1234679-HPCDD	39.31	1.602e5	1.563e5	1.286	1.02	1.05	1728.2	YES	NO	bd	bd	48.826
37	OCDD	45.12	2.168e5	2.488e5	1.103	0.87	0.89	2303.6	YES	NO	bb	bb	92.154

ID: CS3T2, Name: 23020712, Date: 07-Feb-2023, Time: 18:03:52, Conditions: AUTOSPEC01, User: pk

TotalTEQ,Furans,Dioxins

	Compound	RT	Ion1Area	Ion2Area	RRF	Ratio	Pred R	S/N 1	SNFlag	EMPC	Int.1	Int.2	pg
38	1234678-HpCDD	40.35	1.447e5	1.383e5	1.253	1.05	1.05	1452.7	YES	NO	bd	bd	44.839

PFK1

	Compound	RT	Ion1Area	Ion2Area	RRF	Ratio	Pred R	S/N 1	SNFlag	EMPC	Int.1	Int.2	pg
1	FUNCTION1 PFK	21.33	2.530e6					63.5	YES		dd		
2	FUNCTION1 PFK	21.24	1.625e6					65.1	YES		dd		
3	FUNCTION1 PFK	21.12	3.427e6					68.9	YES		bd		
4	FUNCTION1 PFK	24.48	1.219e4					1.0	NO		bb		
5	FUNCTION1 PFK	24.40	5.763e3					0.6	NO		db		
6	FUNCTION1 PFK	24.34	1.485e4					0.9	NO		bd		
7	FUNCTION1 PFK	24.07	1.997e3					0.4	NO		bb		
8	FUNCTION1 PFK	24.01	8.789e3					0.6	NO		bb		
9	FUNCTION1 PFK	23.90	1.739e3					0.3	NO		bb		
10	FUNCTION1 PFK	23.84	4.102e3					0.5	NO		bb		
11	FUNCTION1 PFK	23.57	9.271e3					1.0	NO		db		
12	FUNCTION1 PFK	23.51	3.033e3					0.5	NO		bd		
13	FUNCTION1 PFK	23.24	1.986e4					1.9	NO		db		
14	FUNCTION1 PFK	23.04	3.743e5					8.4	YES		dd		
15	FUNCTION1 PFK	22.93	7.072e5					11.8	YES		dd		
16	FUNCTION1 PFK	22.75	3.265e6					16.9	YES		dd		
17	FUNCTION1 PFK	22.12	1.193e7					37.3	YES		dd		
18	FUNCTION1 PFK	21.48	1.464e6					58.0	YES		dd		
19	FUNCTION1 PFK	21.42	9.162e5					60.2	YES		dd		
20	FUNCTION1 PFK	28.12	6.661e3					0.7	NO		bb		
21	FUNCTION1 PFK	27.97	6.503e3					0.7	NO		bb		
22	FUNCTION1 PFK	27.79	3.007e4					1.6	NO		db		
23	FUNCTION1 PFK	27.68	3.765e4					1.8	NO		bd		
24	FUNCTION1 PFK	26.70	1.853e3					0.4	NO		bb		
25	FUNCTION1 PFK	26.64	2.047e4					1.7	NO		bb		
26	FUNCTION1 PFK	26.37	3.952e4					1.7	NO		bb		
27	FUNCTION1 PFK	25.64	3.424e4					1.6	NO		bb		
28	FUNCTION1 PFK	25.52	3.273e4					1.8	NO		bb		
29	FUNCTION1 PFK	24.93	2.188e4					1.2	NO		bb		

ID: CS3T2, Name: 23020712, Date: 07-Feb-2023, Time: 18:03:52, Conditions: AUTOSPEC01, User: pk

PFK2

	Compound	RT	Ion1Area	Ion2Area	RRF	Ratio	Pred R	S/N 1	SNFlag	EMPC	Int.1	Int.2	pg
1	FUNCTION2 PFK	29.54	6.100e3					1.7	NO		bb		0.000

PFK3

	Compound	RT	Ion1Area	Ion2Area	RRF	Ratio	Pred R	S/N 1	SNFlag	EMPC	Int.1	Int.2	pg
1	FUNCTION3 PFK	37.23	7.650e6					24.0	YES		bb		0.000
2	FUNCTION3 PFK	35.86	7.327e6					29.4	YES		db		0.000
3	FUNCTION3 PFK	35.31	1.794e6					8.7	YES		bd		0.000

PFK4

	Compound	RT	Ion1Area	Ion2Area	RRF	Ratio	Pred R	S/N 1	SNFlag	EMPC	Int.1	Int.2	pg
1	FUNCTION4 PFK	41.37	1.192e4					2.1	NO		bb		
2	FUNCTION4 PFK	38.11	3.488e4					4.2	YES		bb		

PFK5

	Compound	RT	Ion1Area	Ion2Area	RRF	Ratio	Pred R	S/N 1	SNFlag	EMPC	Int.1	Int.2	pg
1	FUNCTION5 PFK	45.25	3.569e3					1.2	NO		bb		
2	FUNCTION5 PFK	44.90	1.693e3					0.7	NO		bb		
3	FUNCTION5 PFK	44.55	4.986e2					0.4	NO		bb		
4	FUNCTION5 PFK	44.52	5.077e2					0.4	NO		bb		
5	FUNCTION5 PFK	44.22	6.053e3					1.9	NO		bb		
6	FUNCTION5 PFK	43.81	5.436e3					1.8	NO		bb		
7	FUNCTION5 PFK	43.45	6.358e3					1.8	NO		bb		
8	FUNCTION5 PFK	43.33	2.798e3					1.1	NO		bb		
9	FUNCTION5 PFK	43.26	5.509e3					1.7	NO		db		
10	FUNCTION5 PFK	43.20	1.679e4					3.1	YES		dd		
11	FUNCTION5 PFK	43.16	1.257e4					2.8	NO		dd		
12	FUNCTION5 PFK	43.10	1.315e4					2.9	NO		bd		
13	FUNCTION5 PFK	46.32	2.108e3					0.9	NO		bb		
14	FUNCTION5 PFK	46.15	6.073e3					1.7	NO		bb		
15	FUNCTION5 PFK	46.07	1.512e3					0.6	NO		bb		
16	FUNCTION5 PFK	46.02	6.816e3					2.0	NO		bb		
17	FUNCTION5 PFK	45.90	3.598e3					1.4	NO		bb		
18	FUNCTION5 PFK	45.50	2.526e3					1.1	NO		bb		

ID: CS3T2, Name: 23020712, Date: 07-Feb-2023, Time: 18:03:52, Conditions: AUTOSPEC01, User: pk

ETHERS1

	Compound	RT	Ion1Area	Ion2Area	RRF	Ratio	Pred R	S/N 1	SNFlag	EMPC	Int.1	Int.2	pg
1	FUNCTION1 HXCD...	28.07	8.633e1					2.0	NO		bb		0.000
2	FUNCTION1 HXCD...	27.74	7.273e1					1.9	NO		bb		0.000
3	FUNCTION1 HXCD...	25.69	1.174e2					2.0	NO		bb		0.000
4	FUNCTION1 HXCD...	25.49	8.520e1					2.3	NO		db		0.000
5	FUNCTION1 HXCD...	25.34	2.267e2					3.7	YES		bd		0.000

ETHERS2

	Compound	RT	Ion1Area	Ion2Area	RRF	Ratio	Pred R	S/N 1	SNFlag	EMPC	Int.1	Int.2	pg
1	FUNCTION1 HPCD...	25.13	2.100e2					3.7	YES		db		0.000
2	FUNCTION1 HPCD...	25.07	1.118e2					2.5	NO		bd		0.000
3	FUNCTION1 HPCD...	24.14	2.140e2					2.0	NO		bb		0.000
4	FUNCTION1 HPCD...	27.98	8.133e1					2.2	NO		bb		0.000
5	FUNCTION1 HPCD...	25.73	9.158e1					2.0	NO		bb		0.000

ETHERS3

	Compound	RT	Ion1Area	Ion2Area	RRF	Ratio	Pred R	S/N 1	SNFlag	EMPC	Int.1	Int.2	pg
1	FUNCTION2 HPCD...	32.00	8.282e1					1.8	NO		db		0.000
2	FUNCTION2 HPCD...	31.90	9.867e1					1.7	NO		bd		0.000
3	FUNCTION2 HPCD...	31.23	1.975e2					3.1	YES		bb		0.000
4	FUNCTION2 HPCD...	28.58	9.713e1					1.1	NO		bb		0.000

ETHERS4

	Compound	RT	Ion1Area	Ion2Area	RRF	Ratio	Pred R	S/N 1	SNFlag	EMPC	Int.1	Int.2	pg
1	FUNCTION3 OCDPE	36.22	8.572e1					2.1	NO		bb		0.000
2	FUNCTION3 OCDPE	36.11	1.412e2					3.1	YES		bb		0.000
3	FUNCTION3 OCDPE	35.13	7.623e1					1.9	NO		db		0.000
4	FUNCTION3 OCDPE	34.95	1.480e2					1.8	NO		bd		0.000
5	FUNCTION3 OCDPE	33.69	7.811e1					1.8	NO		bb		0.000

ID: CS3T2, Name: 23020712, Date: 07-Feb-2023, Time: 18:03:52, Conditions: AUTOSPEC01, User: pk

ETHERS5

	Compound	RT	Ion1Area	Ion2Area	RRF	Ratio	Pred R	S/N 1	SNFlag	EMPC	Int.1	Int.2	pg
1	FUNCTION4 NCDPE	39.28	8.155e1					1.8	NO		bb		0.000
2	FUNCTION4 NCDPE	38.08	7.046e1					0.8	NO		bb		0.000
3	FUNCTION4 NCDPE	41.19	1.073e2					2.6	NO		db		0.000
4	FUNCTION4 NCDPE	41.16	1.095e2					2.6	NO		bd		0.000
5	FUNCTION4 NCDPE	40.93	9.659e1					2.4	NO		db		0.000
6	FUNCTION4 NCDPE	40.86	1.035e2					2.1	NO		bd		0.000
7	FUNCTION4 NCDPE	39.51	8.718e1					1.2	NO		bb		0.000

ETHERS6

	Compound	RT	Ion1Area	Ion2Area	RRF	Ratio	Pred R	S/N 1	SNFlag	EMPC	Int.1	Int.2	pg
1	FUNCTION5 DCDPE	43.46	7.441e1					2.3	NO		bb		0.000

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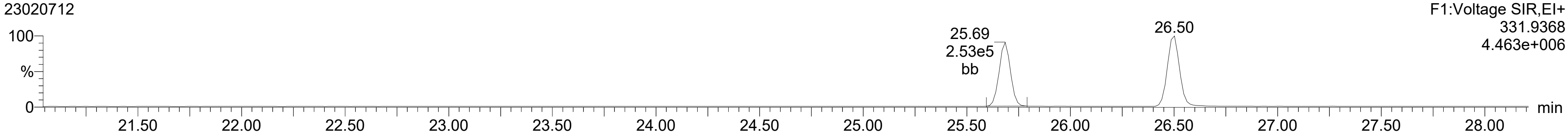

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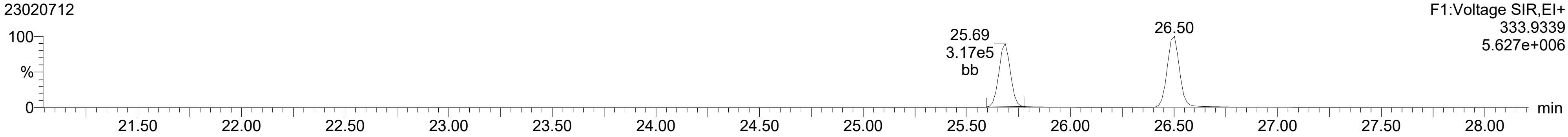

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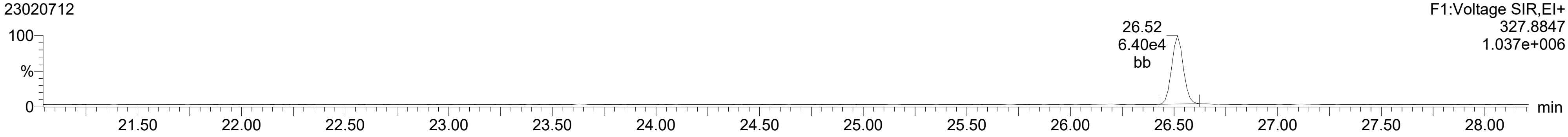

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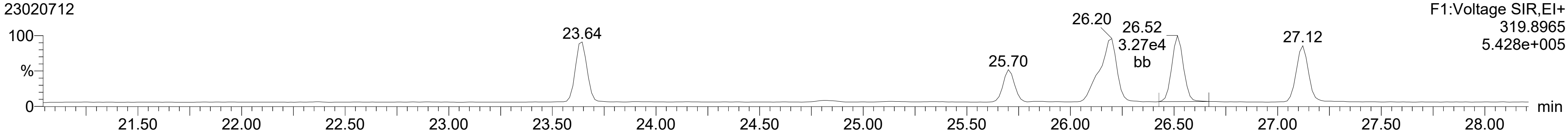

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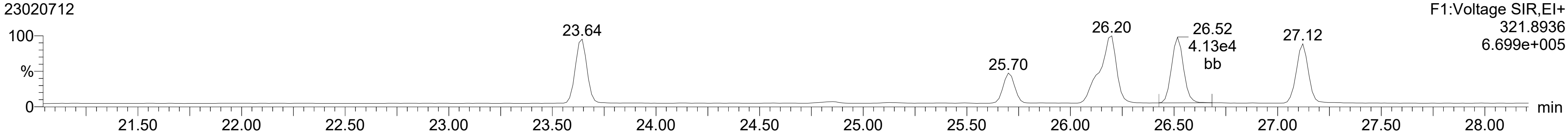

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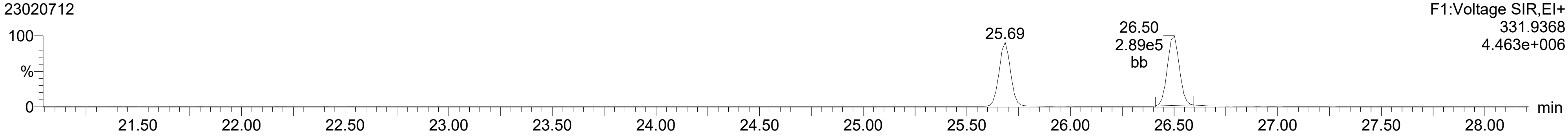

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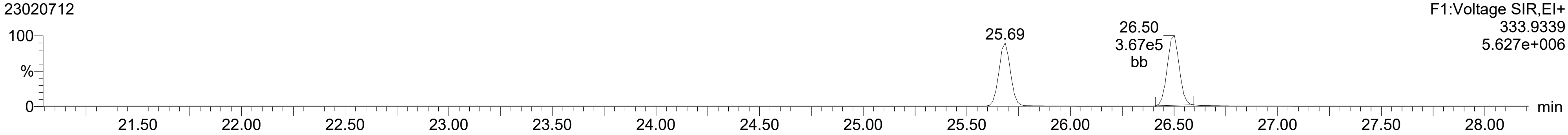

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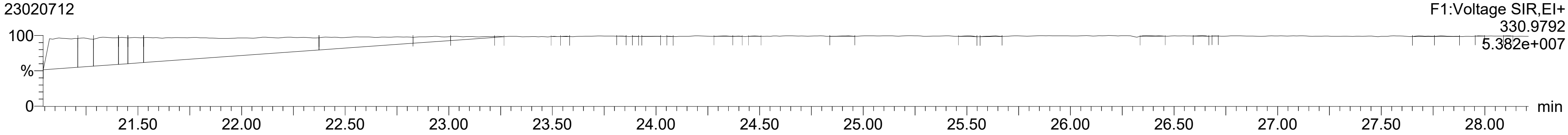

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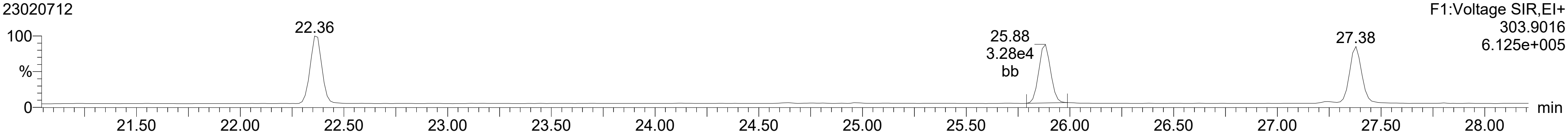

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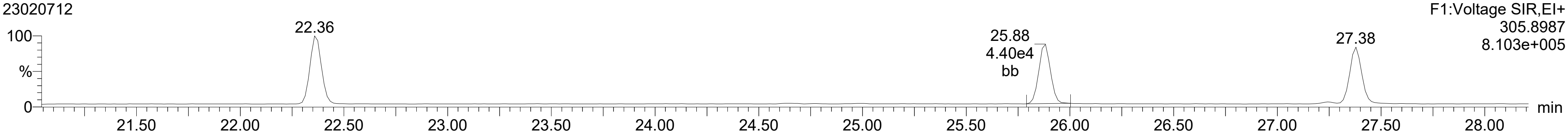

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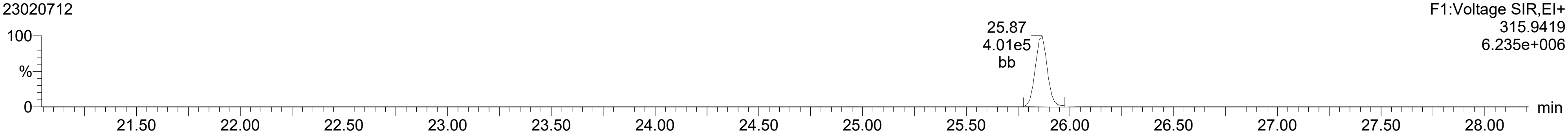

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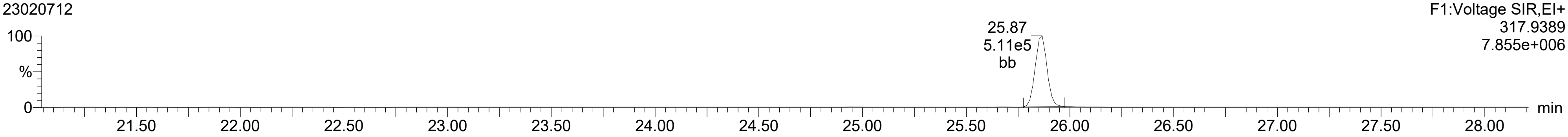

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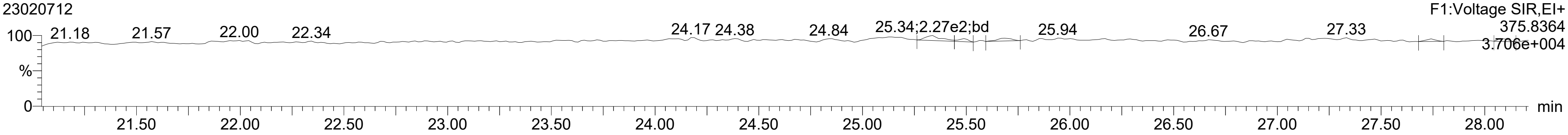

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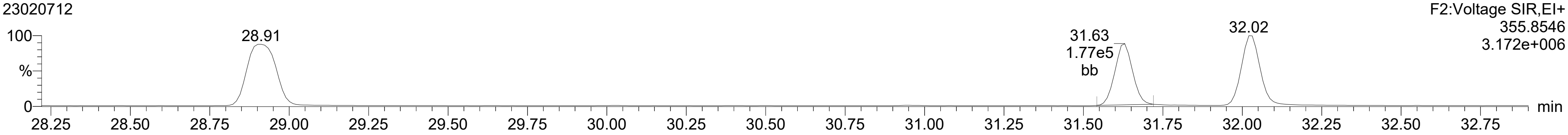

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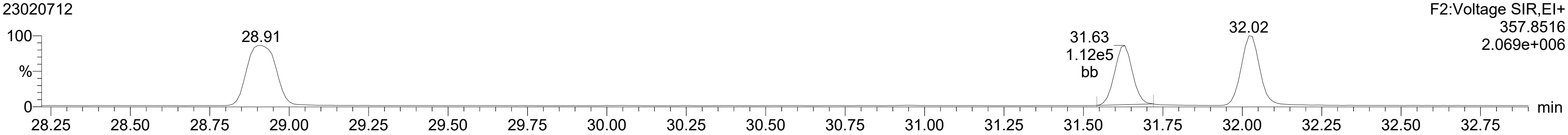

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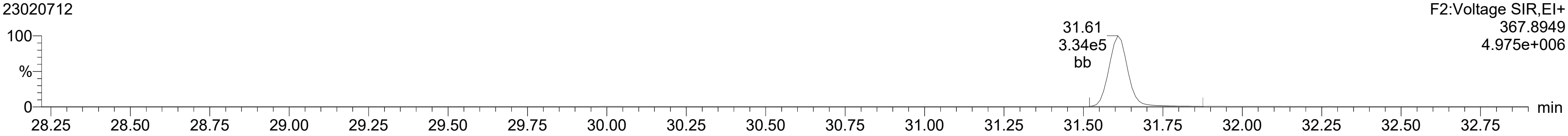

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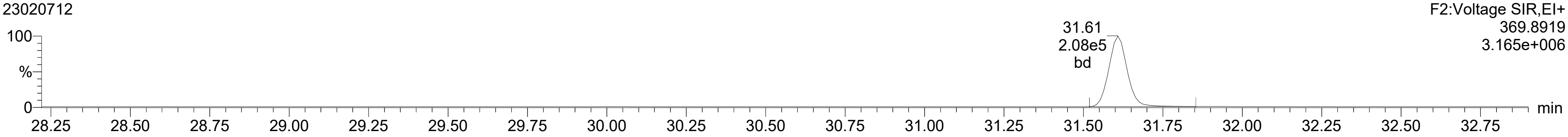

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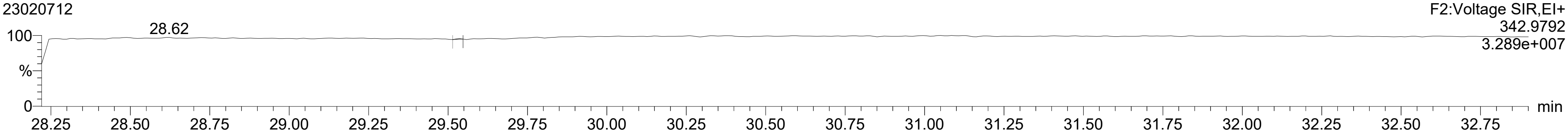

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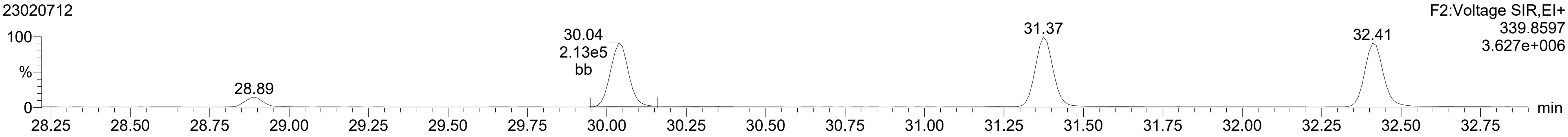

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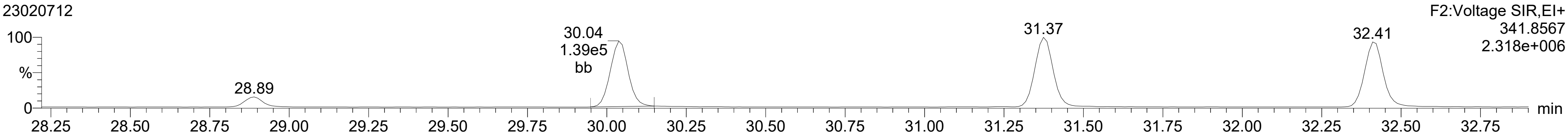

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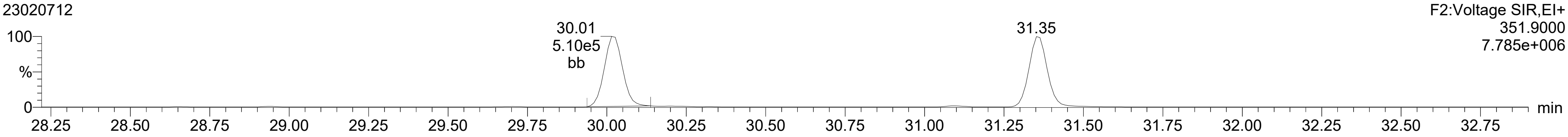

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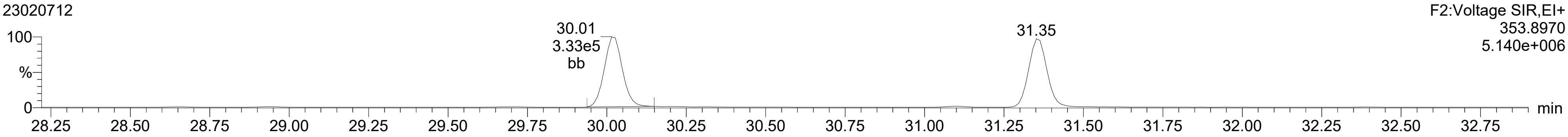

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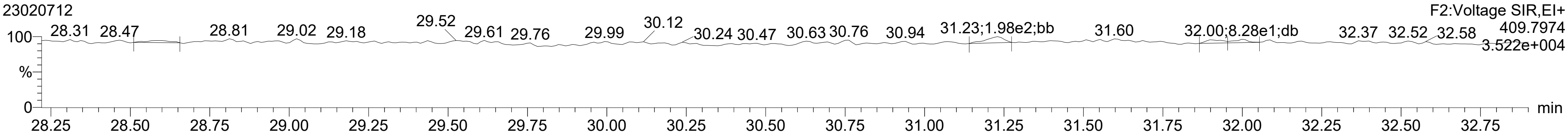

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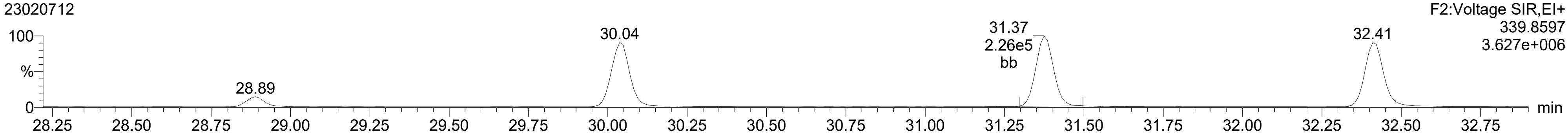
23478-PeCDF



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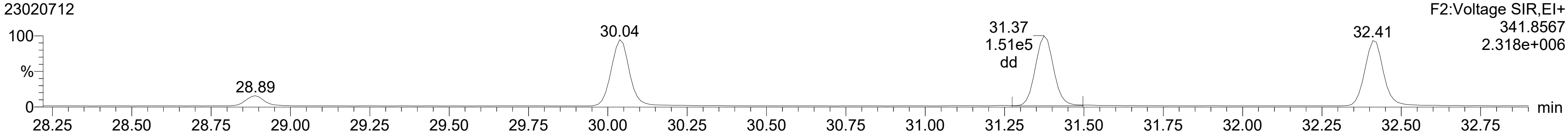

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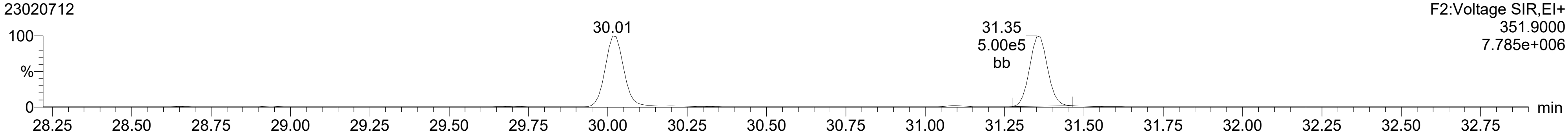

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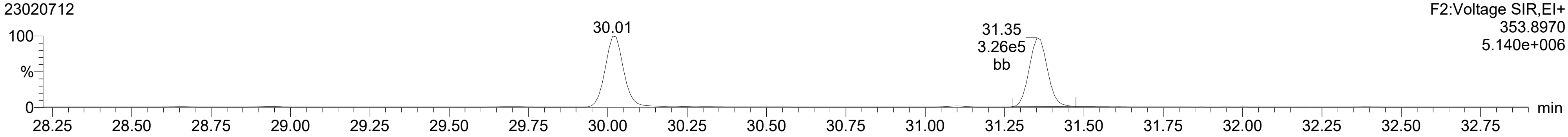

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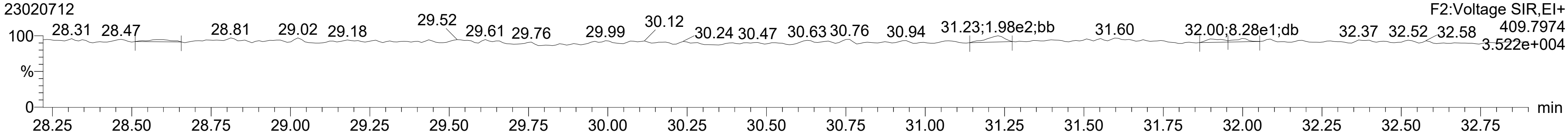

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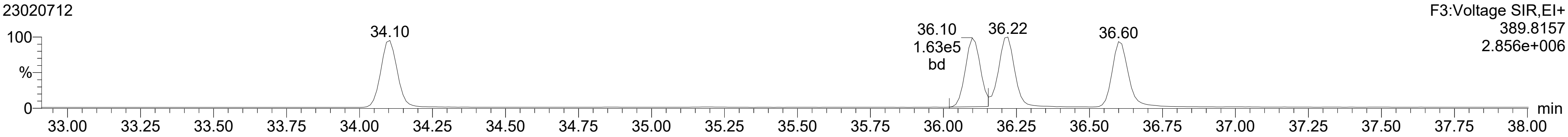

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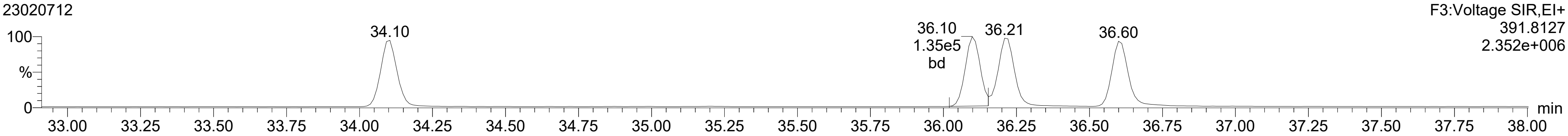

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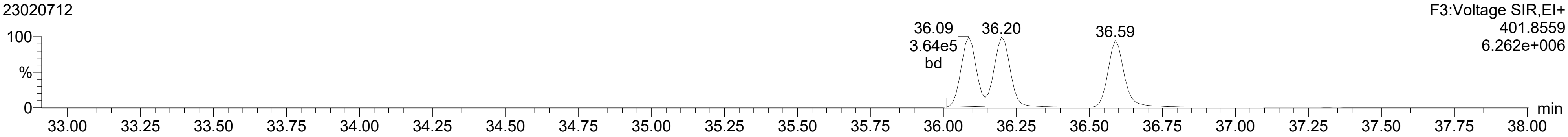

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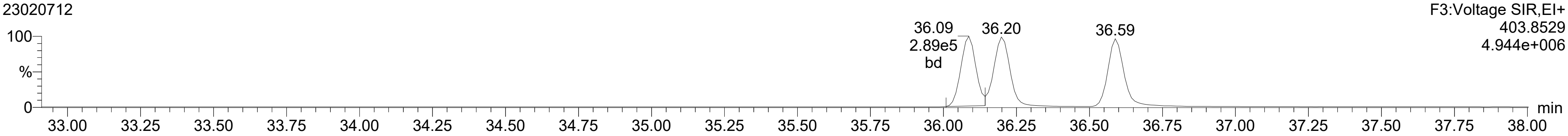

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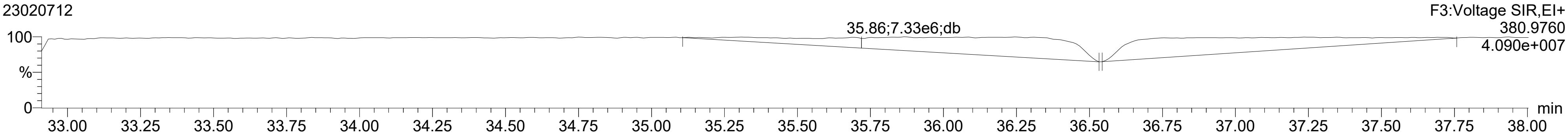

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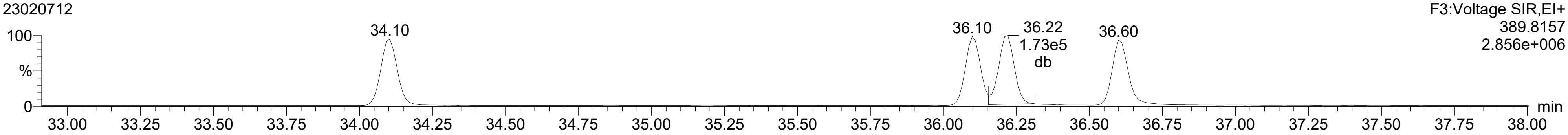
123678-HxCDD



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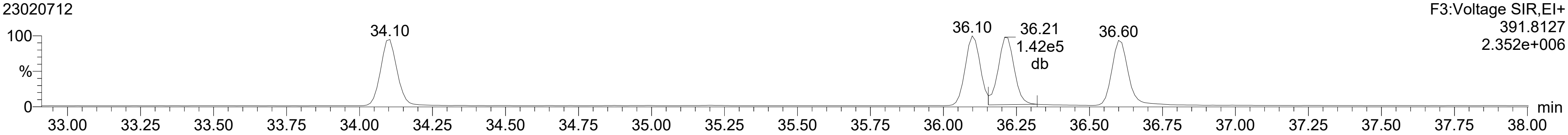

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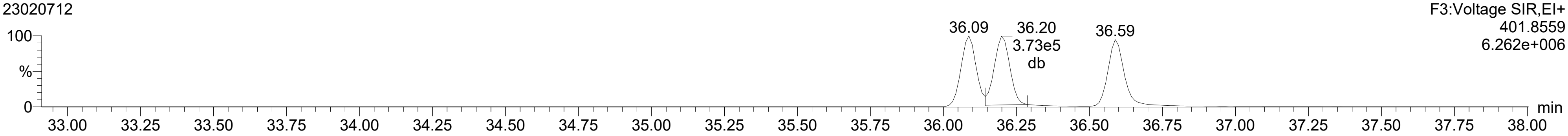

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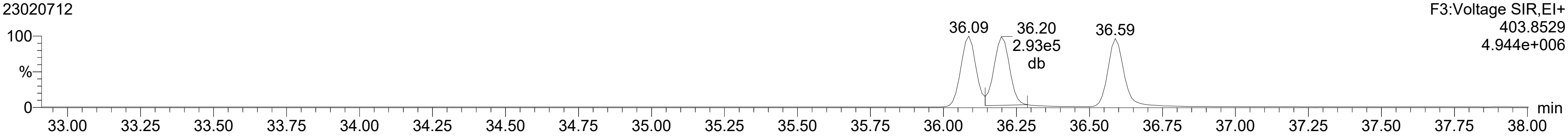

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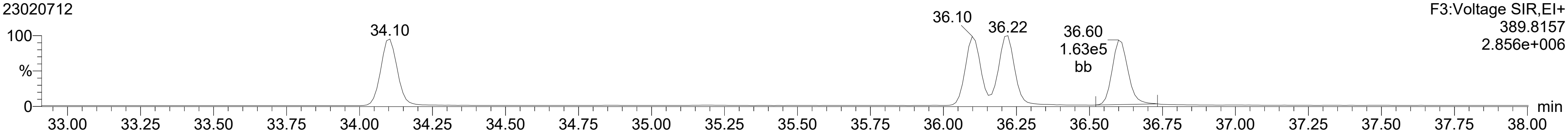

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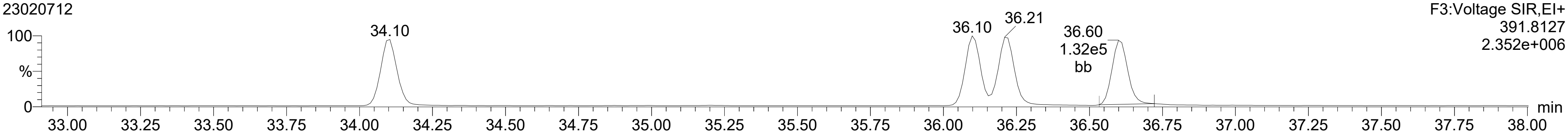

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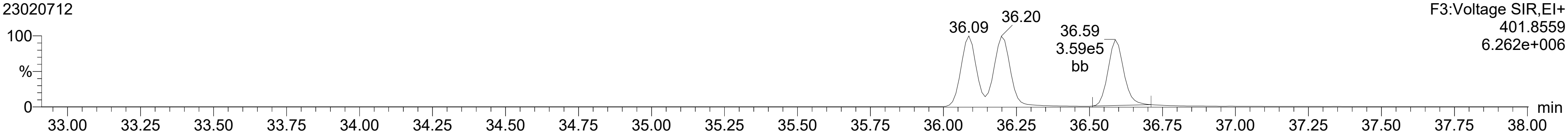

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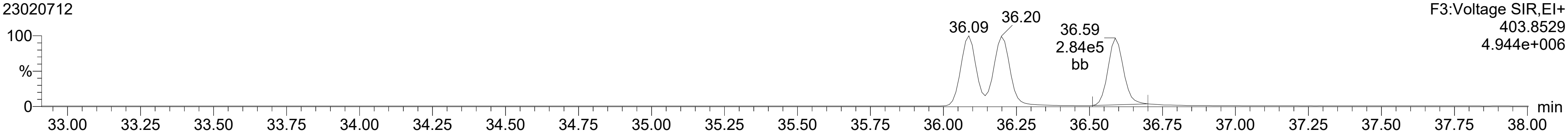

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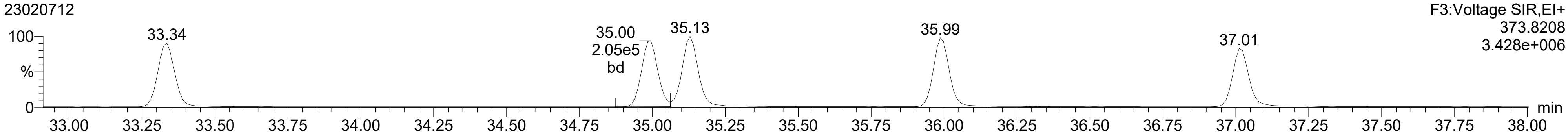

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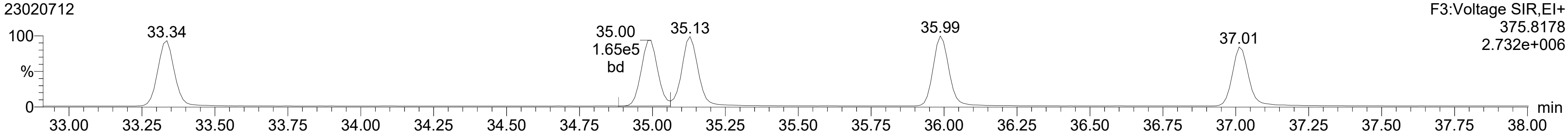

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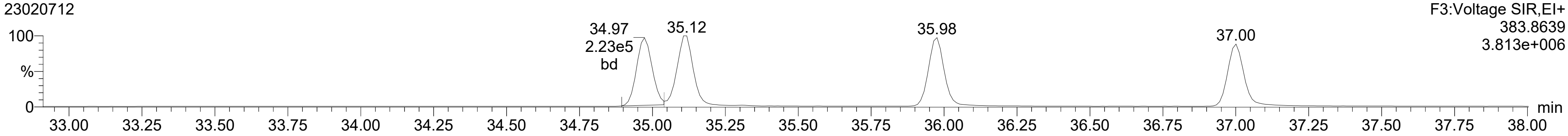

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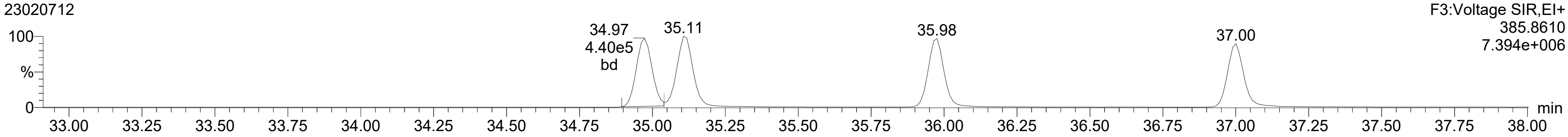

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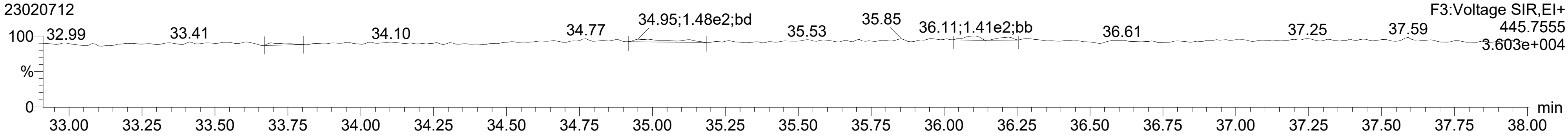

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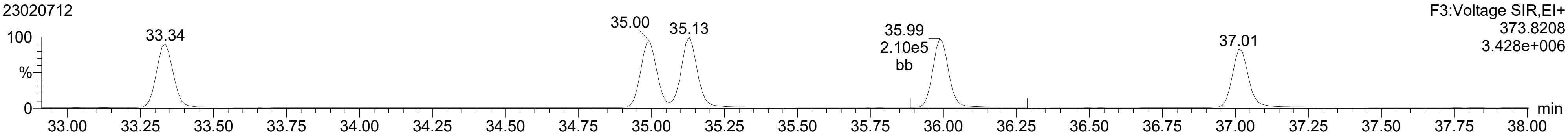

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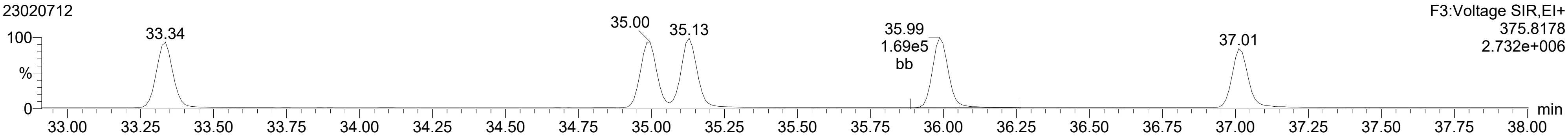

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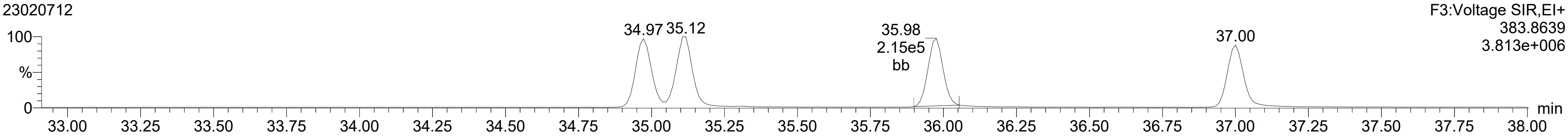

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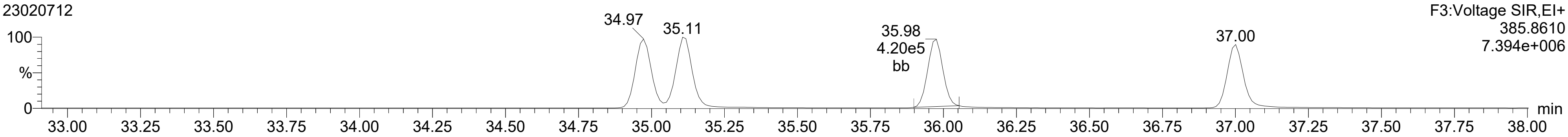

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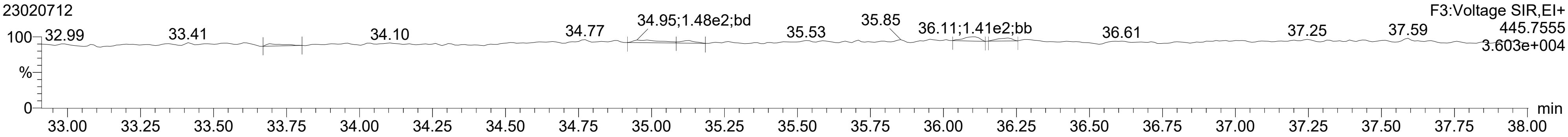

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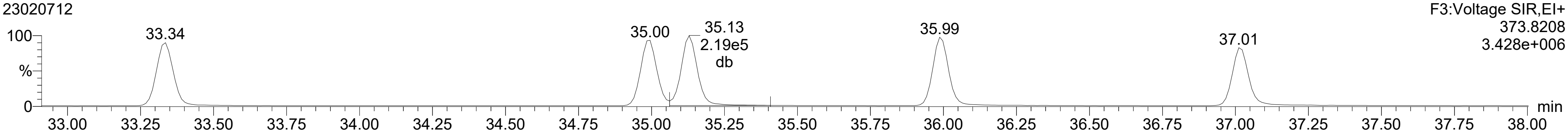

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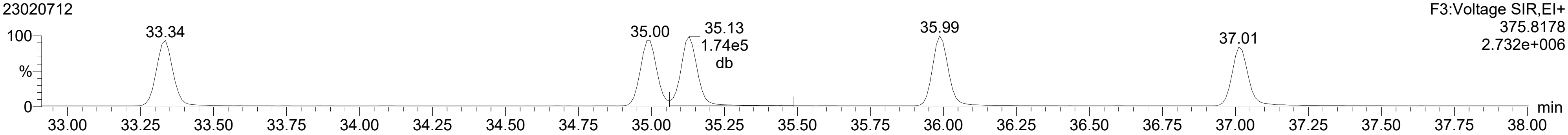

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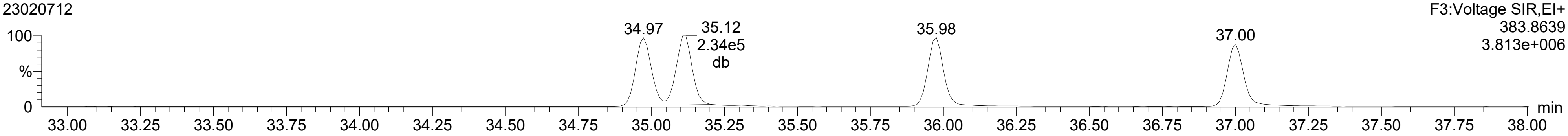

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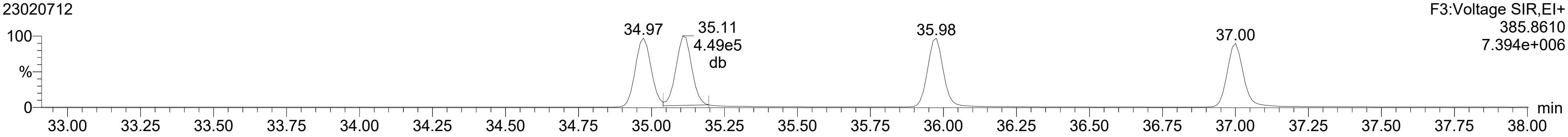

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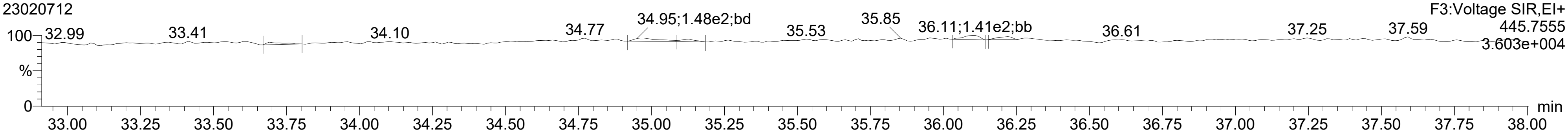

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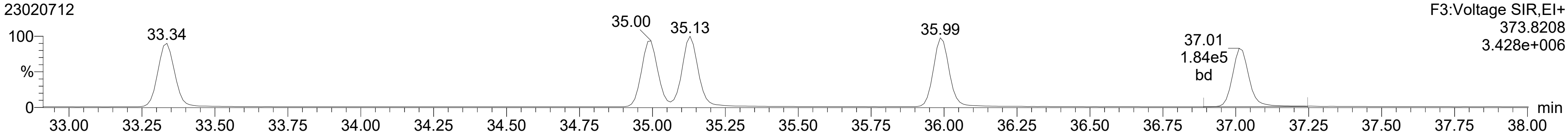

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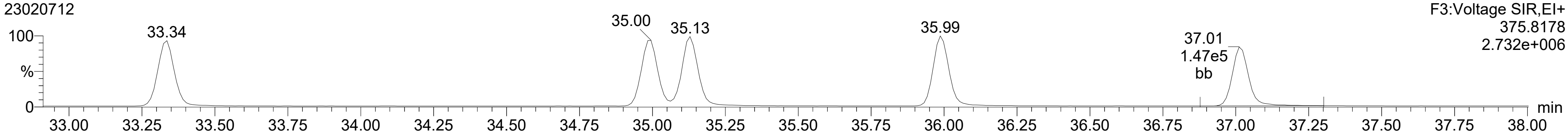

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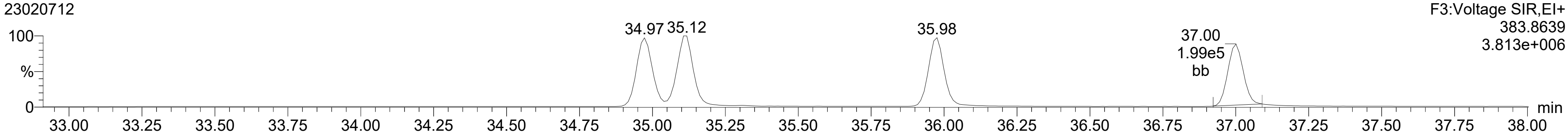

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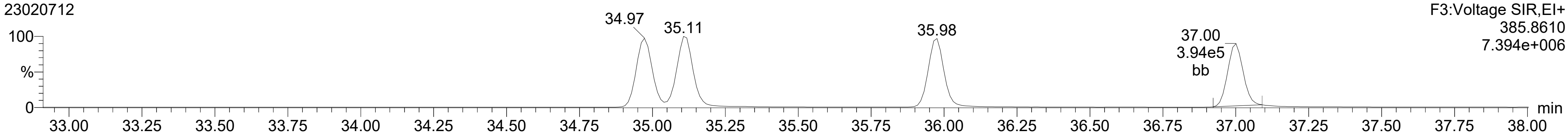

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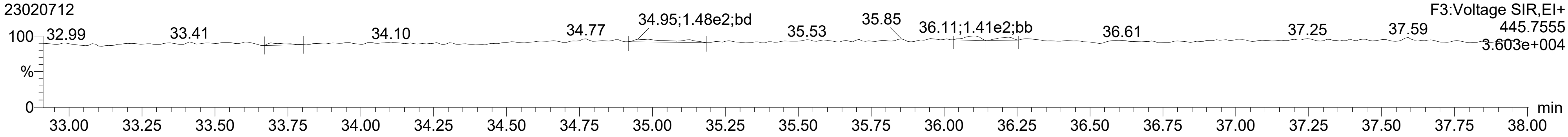

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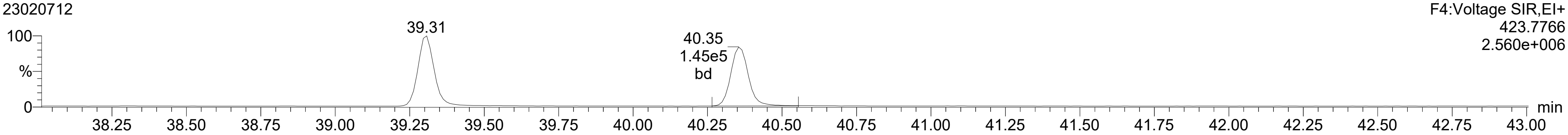

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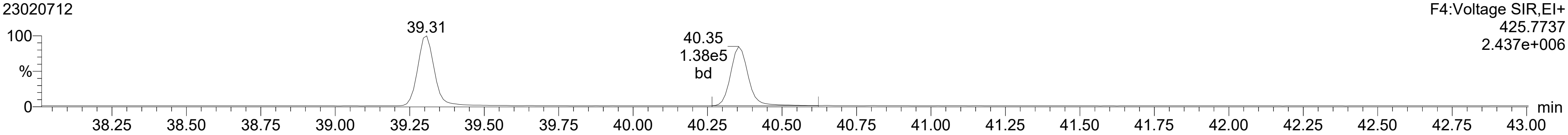

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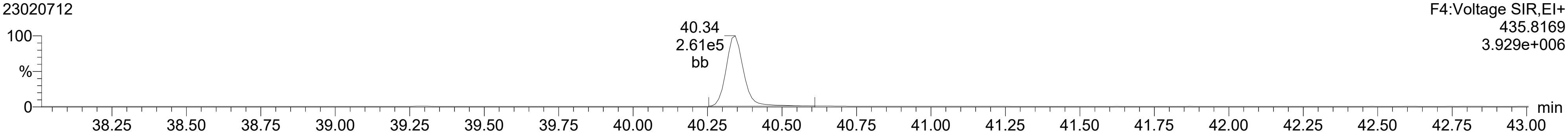

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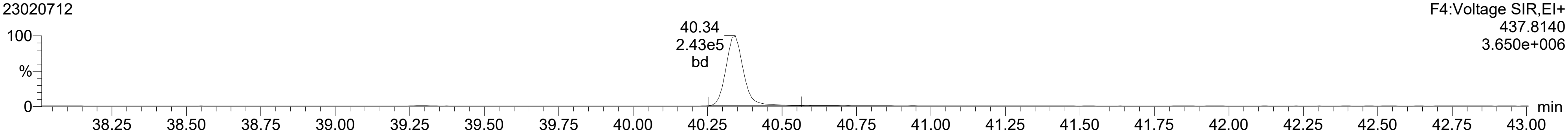

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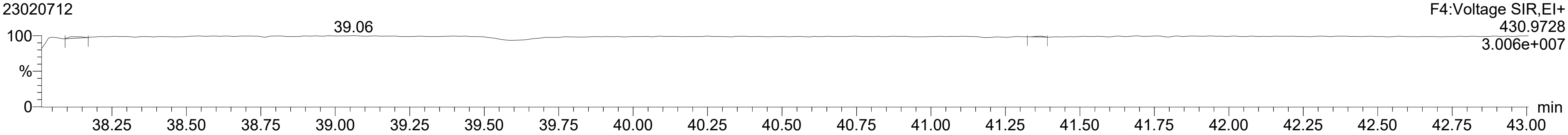

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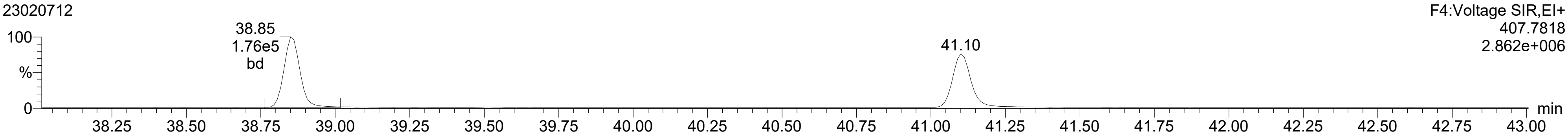

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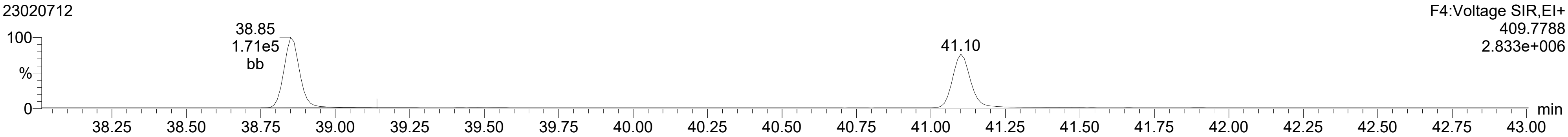

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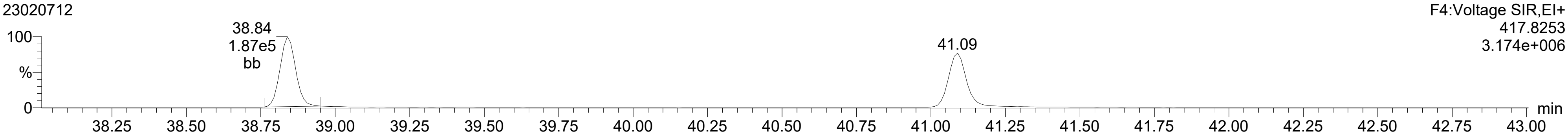

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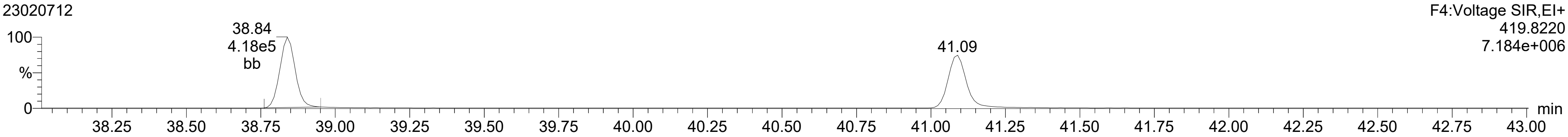

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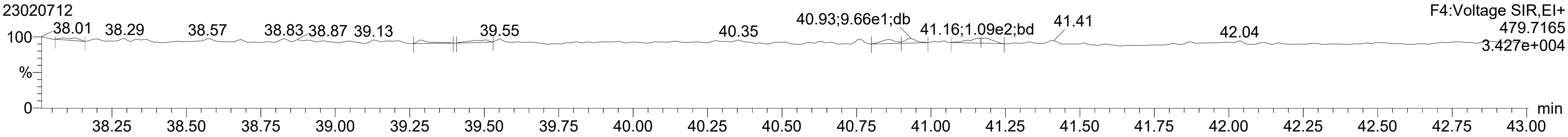

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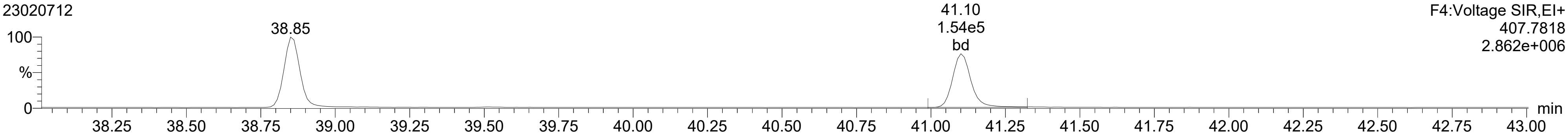

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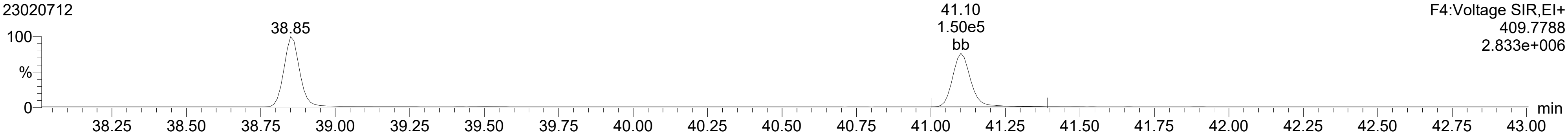

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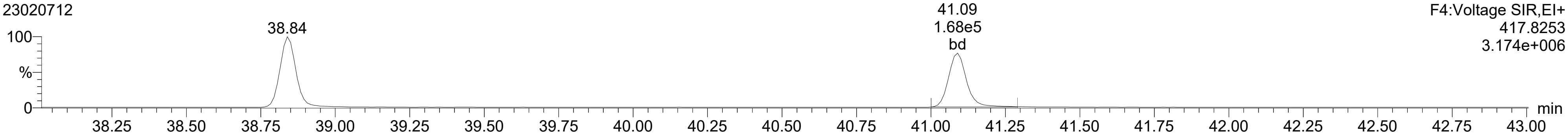

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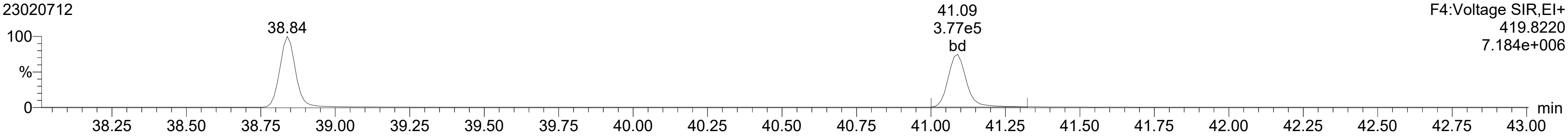

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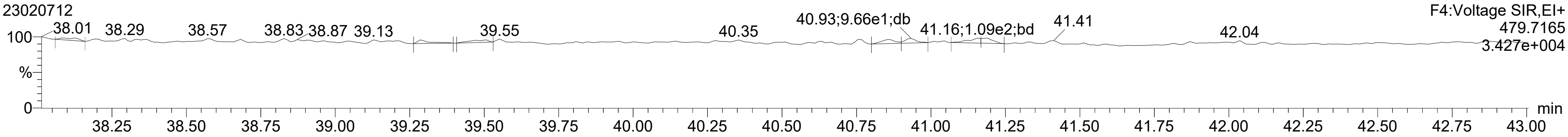

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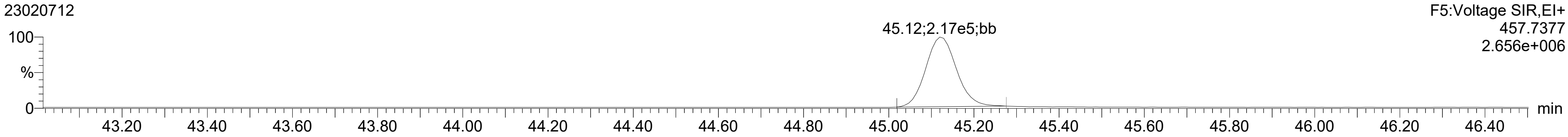

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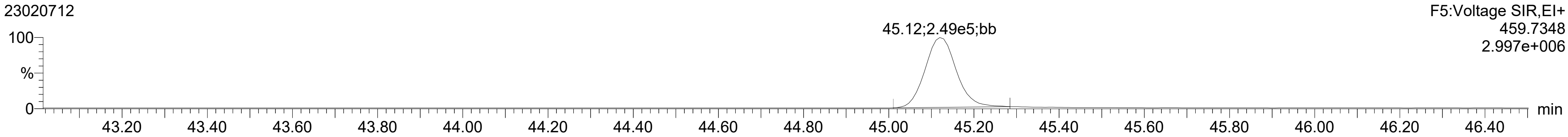

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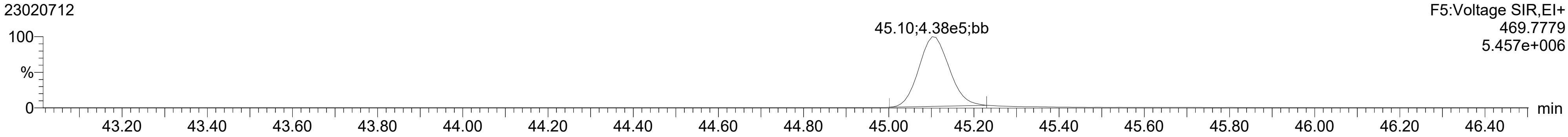

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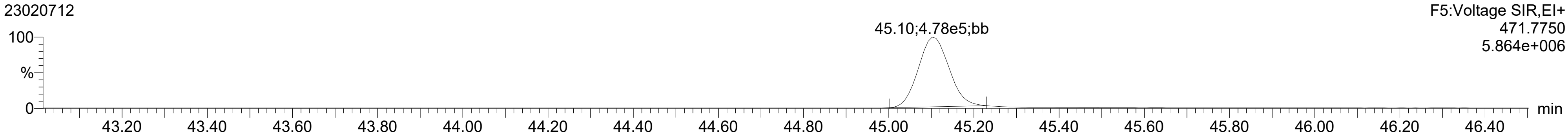

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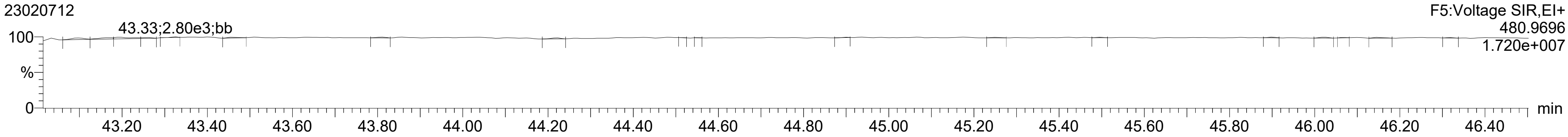

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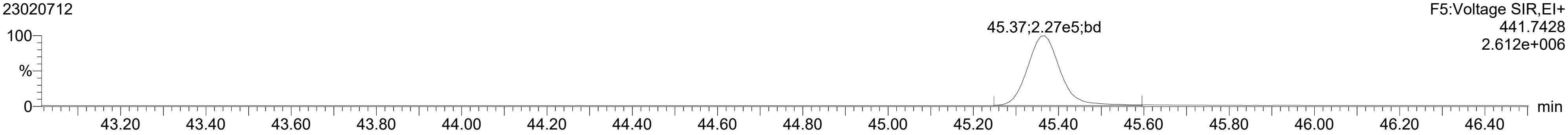

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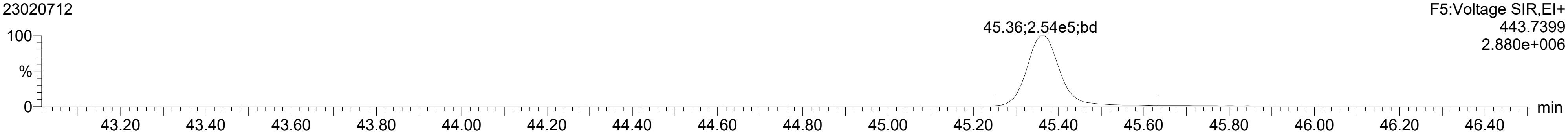

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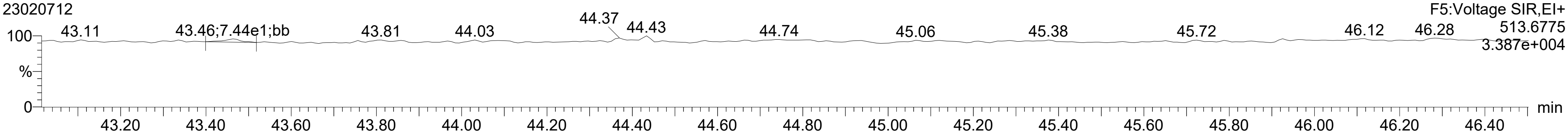

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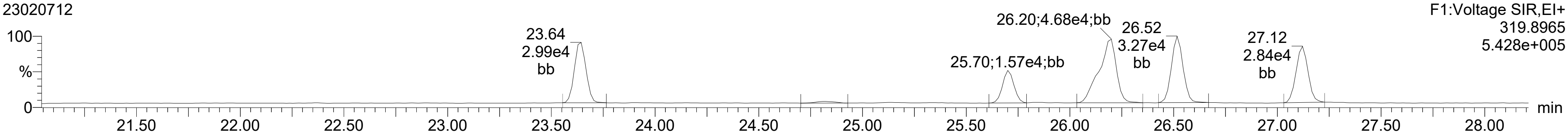

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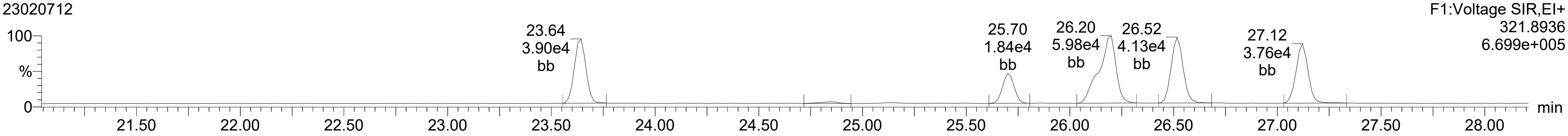

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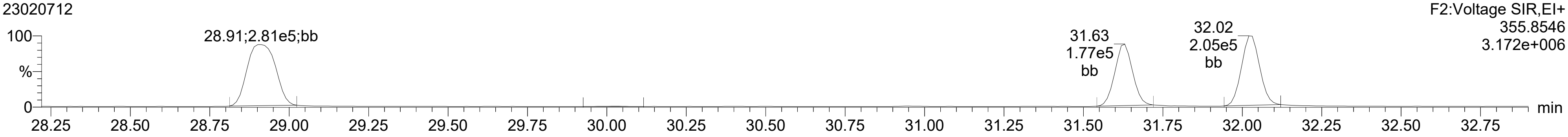

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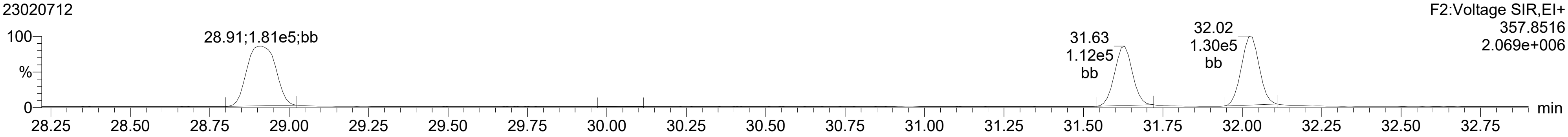

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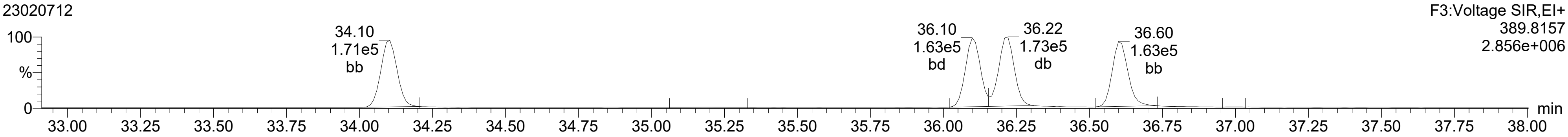

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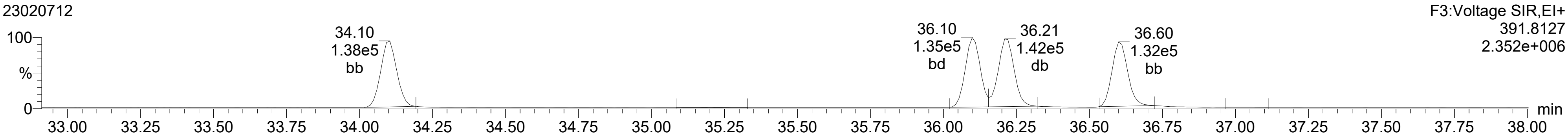

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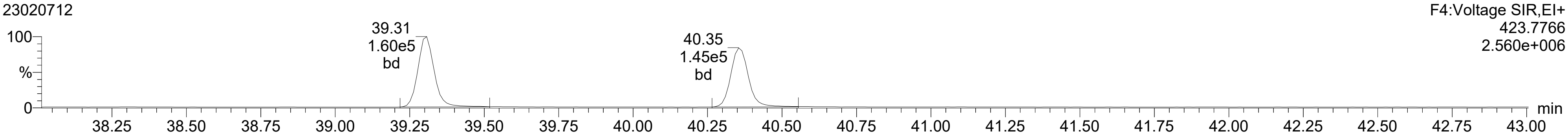

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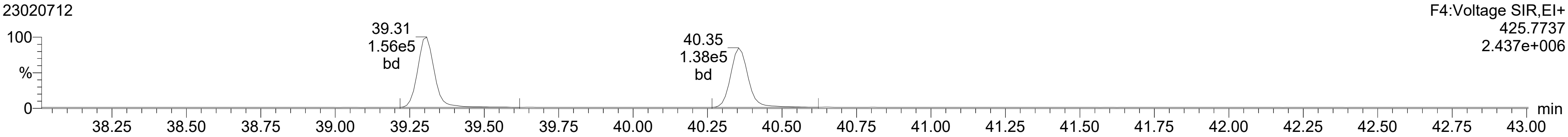

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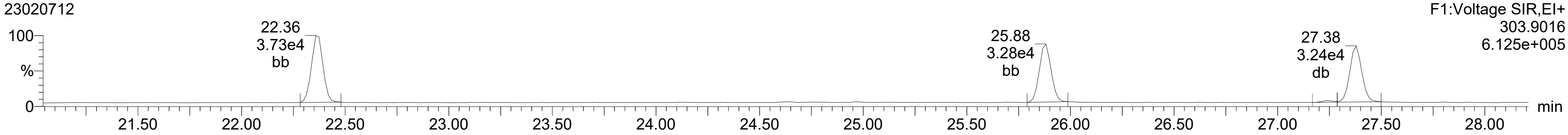
Total-tetrafurans



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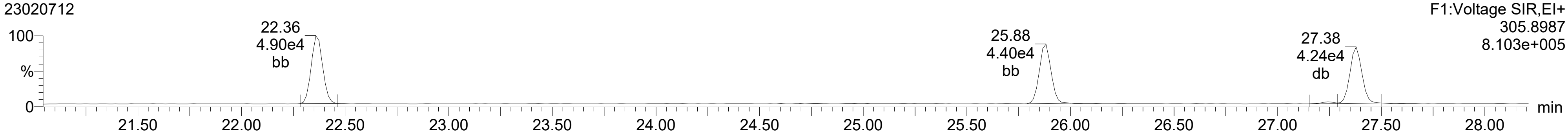

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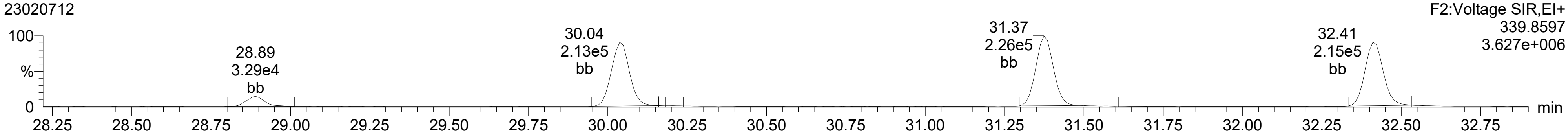

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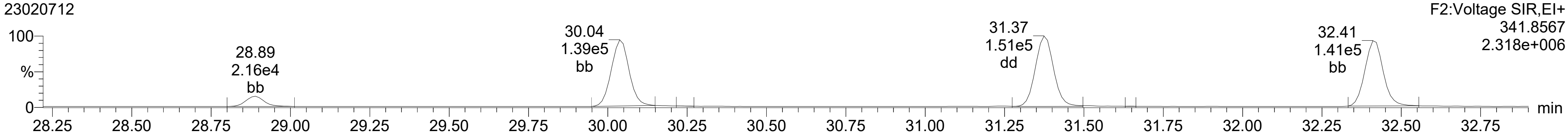

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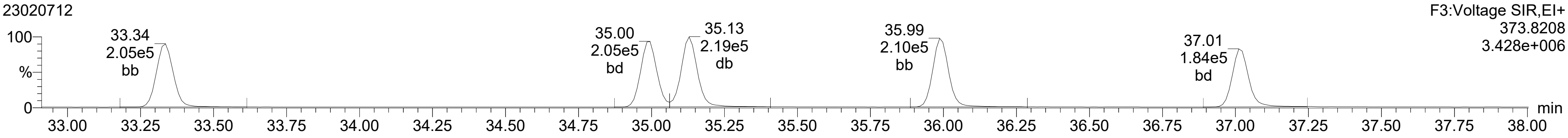

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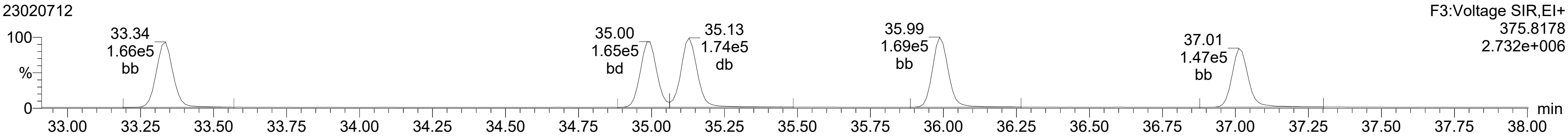

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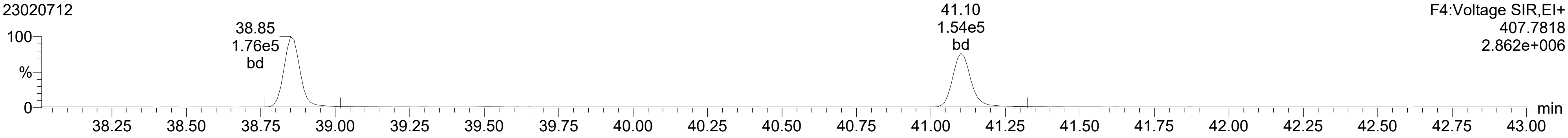

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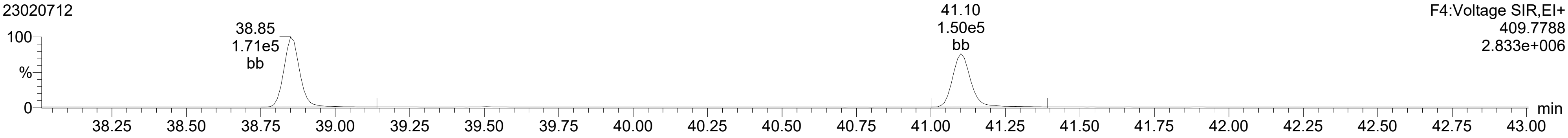

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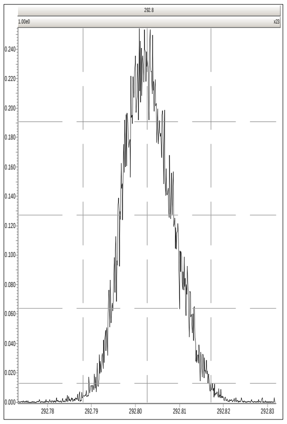

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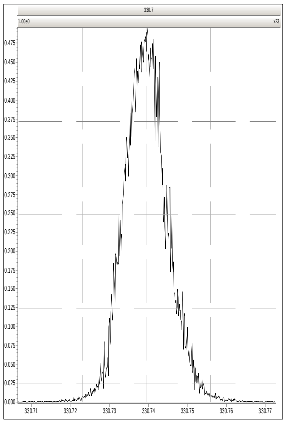

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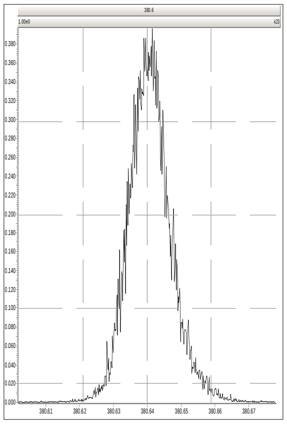

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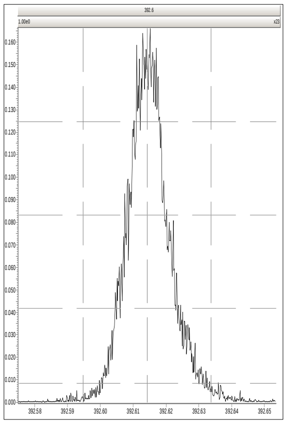
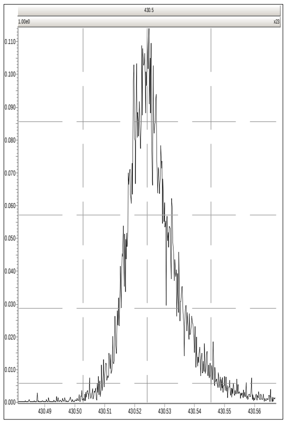
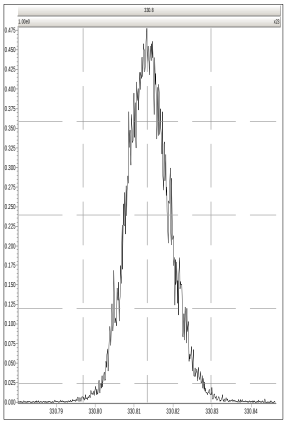


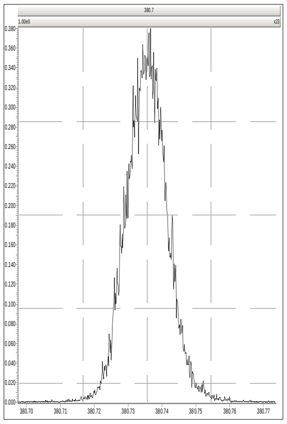
M 430.9728 R 11069



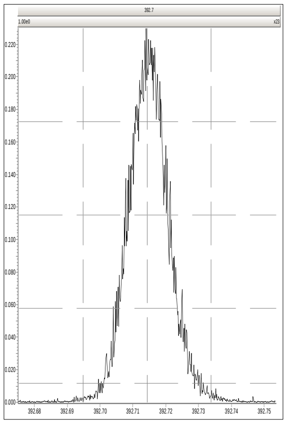
M 330.9792 R 13273



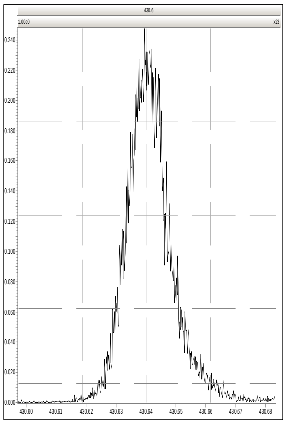
M 380.9760 R 13815



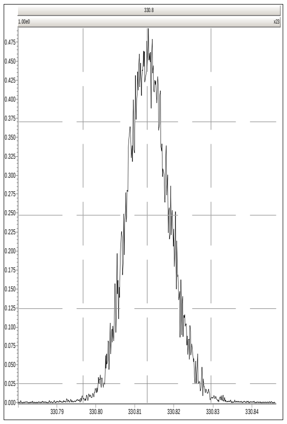
M 392.9760 R 13968



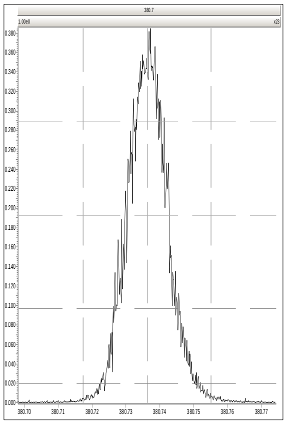
M 430.9728 R 12626



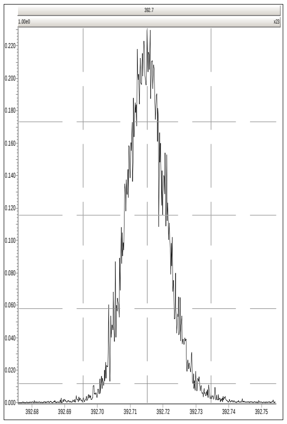
M 330.9792 R 13158



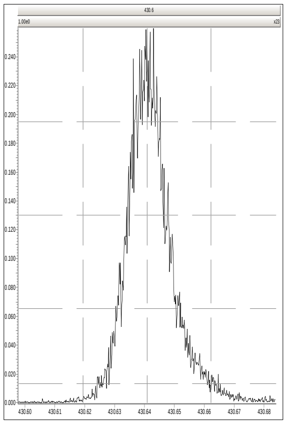
M 380.9760 R 14205



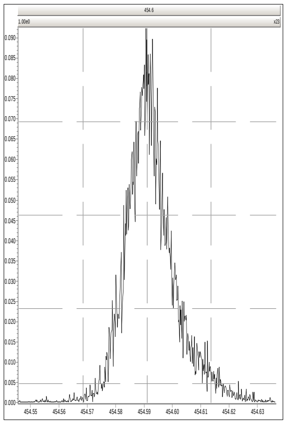
M 392.9760 R 14005



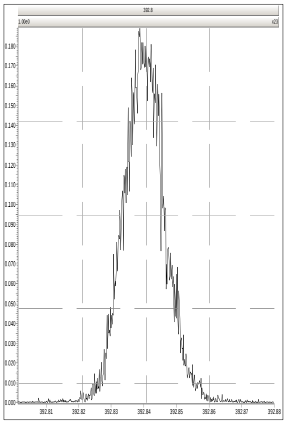
M 430.9728 R 12410



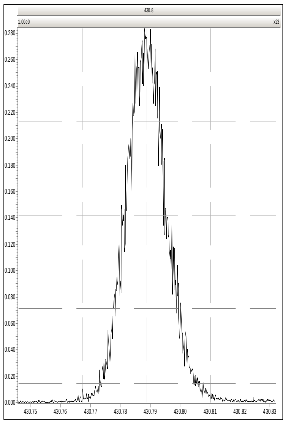
M 454.9728 R 12322



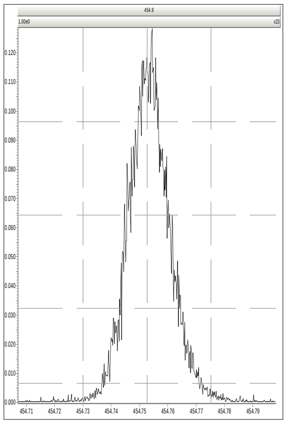
M 392.9760 R 13710



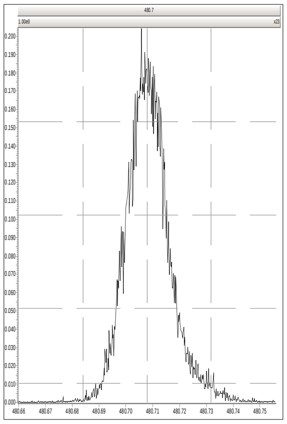
M 430.9728 R 14005



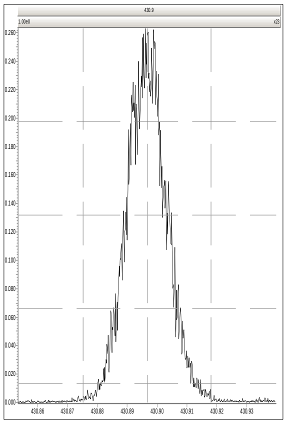
M 454.9728 R 13522



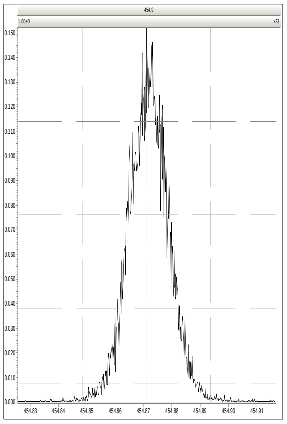
M 480.9696 R 13001



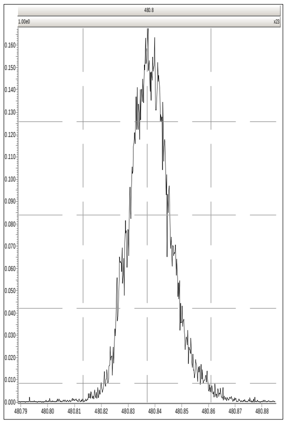
M 430.9728 R 13742



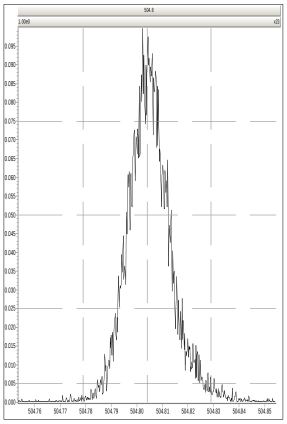
M 454.9728 R 13661



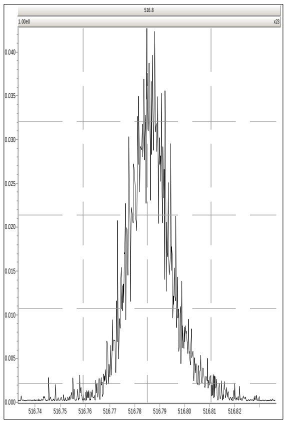
M 480.9696 R 12791

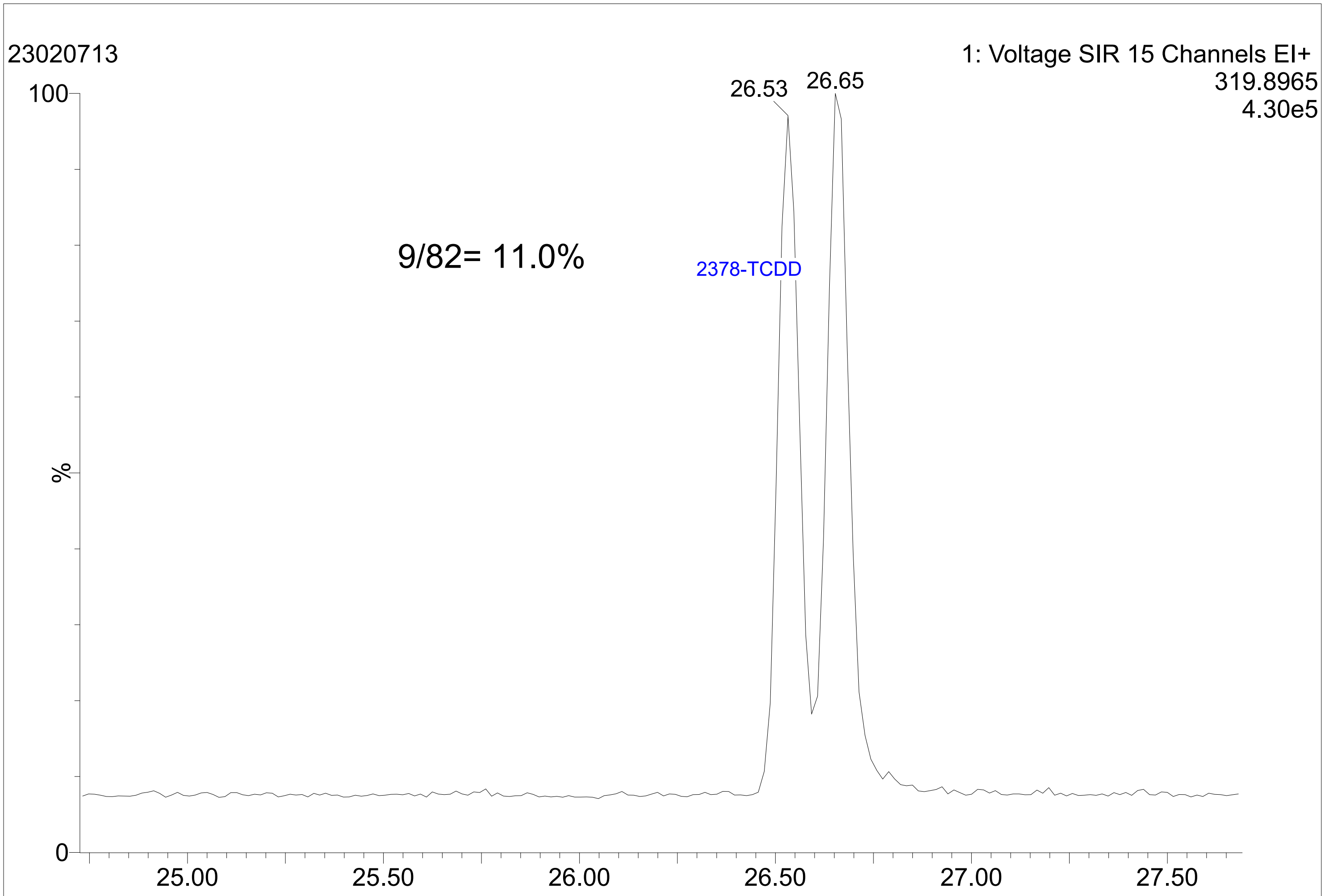


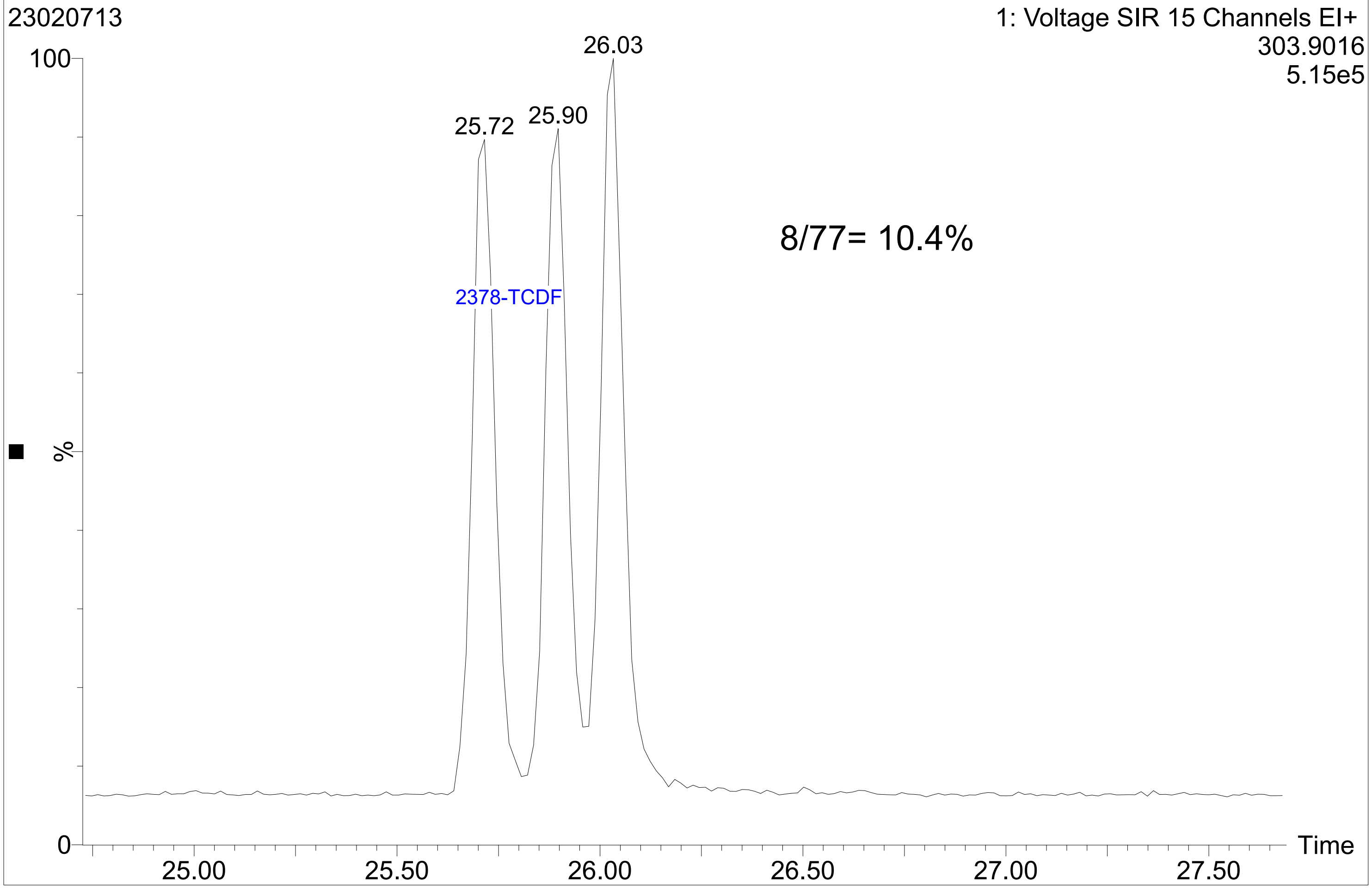
M 504.9696 R 13440



M 516.9697 R 12782




23020713
1: Voltage SIR 15 Channels EI+
319.8965
4.30e5
100
%
0
26.53
26.65
9/82= 11.0%
2378-TCDD
25.00
25.50
26.00
26.50
27.00
27.50


23020713
1: Voltage SIR 15 Channels EI+
303.9016
5.15e5
100
%
0
25.72
25.90
26.03
8/77= 10.4%
2378-TCDF
Time
25.00
25.50
26.00
26.50
27.00
27.50

Analytical Resources, LLC
Analytical Chemists and Consultants

CONTINUING CALIBRATION CHECK

EPA 1613B

Laboratory: Analytical Resources, LLC
SDG: 22L0307
Client: Anchor QEA, LLC
Project: AOC4 UR Phase 3
Instrument ID: AUTOSPEC01
Calibration: GB00010
Lab File ID: 23020721
Calibration Date: 02/01/2023
Sequence: SLB0072
Injection Date: 02/08/23
Lab Sample ID: SLB0072-CCV2
Injection Time: 01:35
Sequence Name: CS3T3

		CONC. (ng/mL)		RESPONSE FACTOR (RRF)			% DRIFT/DIFF	
COMPOUND	TYPE	STD	CCV	ICAL	CCV	MIN	CCV	LIMIT
2,3,7,8-TCDF	A	10.000	9.30	0.8760604	0.8145246		-7.0	+/-16
2,3,7,8-TCDD	A	10.000	9.18	1.2363600	1.1345480		-8.2	+/-22
1,2,3,7,8-PeCDF	A	50.000	46.2	0.8446540	0.7800109		-7.7	+/-18
2,3,4,7,8-PeCDF	A	50.000	47.0	0.9111780	0.8565973		-6.0	+/-18
1,2,3,7,8-PeCDD	A	50.000	47.8	1.0866850	1.0395050		-4.3	+/-22
1,2,3,4,7,8-HxCDF	A	50.000	46.0	1.1816860	1.0866520		-8.0	+/-10
1,2,3,6,7,8-HxCDF	A	50.000	45.1	1.2480480	1.1257010		-9.8	+/-12
2,3,4,6,7,8-HxCDF	A	50.000	45.6	1.2288500	1.1212440		-8.8	+/-12
1,2,3,7,8,9-HxCDF	A	50.000	46.9	1.1865370	1.1130750		-6.2	+/-10
1,2,3,4,7,8-HxCDD	A	50.000	46.1	0.9869672	0.9093198		-7.9	+/-22
1,2,3,6,7,8-HxCDD	A	50.000	45.9	1.0207220	0.9377266		-8.1	+/-22
1,2,3,7,8,9-HxCDD	A	50.000	50.6	0.9854780	0.9940994		1.2	+/-18
1,2,3,4,6,7,8-HpCDF	A	50.000	45.6	1.2041190	1.0988650		-8.7	+/-10
1,2,3,4,7,8,9-HpCDF	A	50.000	46.4	1.1653050	1.0819840		-7.2	+/-14
1,2,3,4,6,7,8-HpCDD	A	50.000	44.4	1.2525690	1.1119350		-11.2	+/-14
OCDF	A	100.00	80.1	1.1862640	0.9500443		-19.9	+/-37
OCDD	A	100.00	89.9	1.1026670	0.9912677		-10.1	+/-21
13C12-2,3,7,8-TCDF	A	100.00	90.4	1.7680590	1.5979643		-9.6	+/-29
13C12-2,3,7,8-TCDD	A	100.00	104	1.1029470	1.1500778		4.3	+/-18
13C12-1,2,3,7,8-PeCDF	A	100.00	96.0	1.5271250	1.4667768		-4.0	+/-24
13C12-2,3,4,7,8-PeCDF	A	100.00	94.8	1.4662840	1.3895984		-5.2	+/-23
13C12-1,2,3,7,8-PeCDD	A	100.00	103	0.9141518	0.9392497		2.7	+/-38
13C12-1,2,3,4,7,8-HxCDF	A	100.00	82.8	1.0536610	0.8722192		-17.2	+/-24
13C12-1,2,3,6,7,8-HxCDF	A	100.00	81.2	1.0799530	0.8773133		-18.8	+/-30
13C12-2,3,4,6,7,8-HxCDF	A	100.00	84.2	1.0143260	0.8541652		-15.8	+/-27
13C12-1,2,3,7,8,9-HxCDF	A	100.00	82.9	0.9279333	0.7689716		-17.1	+/-26
13C12-1,2,3,4,7,8-HxCDD	A	100.00	92.3	0.9329336	0.8608756		-7.7	+/-15
13C12-1,2,3,6,7,8-HxCDD	A	100.00	90.7	0.9646272	0.8746126		-9.3	+/-15
13C12-1,2,3,4,6,7,8-HpCDF	A	100.00	75.3	1.0360890	0.7805178		-24.7	+/-22 *
13C12-1,2,3,4,7,8,9-HpCDF	A	100.00	77.6	0.9049372	0.7020069		-22.4	+/-23
13C12-1,2,3,4,6,7,8-HpCDD	A	100.00	84.6	0.7819773	0.6617408		-15.4	+/-28
13C12-OCDD	A	200.00	159	0.7882343	0.6273629		-20.4	+/-52
37Cl4-2,3,7,8-TCDD	A	10.000	9.10	1.2334500	1.1227087		-9.0	

* Values outside of QC limits

* Values outside of QC limits

Method: T:\Autospec\Methods\Dioxin230206.mdb 07 Feb 2023 09:29:10
Calibration: T:\Autospec\Curves\230201ICIH.cdb 03 Feb 2023 10:33:40

ID: CS3T3, Name: 23020721, Date: 08-Feb-2023, Time: 01:35:31, Conditions: AUTOSPEC01, User: pk

Compound	RT	RRT	Ion1Area	Ion2Area	RRF	Ratio	Pred R	Noise 1	Noise 2	Height 1	Height 2	S/N 1	S/N 2	EMPC	Int.1	Int.2	pg
2378-TCDF	25.867	1.001	2.989e4	3.883e4	0.876	0.770	0.770	689	925	4.67e5	6.10e5	677.6	659.2	NO	bb	bb	9.298
12378-PeCDF	30.026	1.000	1.808e5	1.213e5	0.845	1.491	1.550	1124	1652	2.80e6	1.90e6	2491.0	1152.8	NO	bb	bb	46.173
23478-PeCDF	31.363	1.001	1.881e5	1.261e5	0.911	1.492	1.550	1124	1652	2.94e6	1.97e6	2612.3	1195.3	NO	bb	bb	47.005
123478-HxCDF	34.984	1.001	2.009e5	1.593e5	1.182	1.261	1.240	1476	1211	3.21e6	2.54e6	2175.4	2100.1	NO	bd	bd	45.979
234678-HxCDF	35.987	1.001	2.001e5	1.639e5	1.229	1.221	1.240	1476	1211	3.20e6	2.59e6	2167.0	2141.2	NO	bb	bb	45.622
123678-HxCDF	35.118	1.000	2.094e5	1.659e5	1.248	1.263	1.240	1476	1211	3.21e6	2.56e6	2174.0	2115.2	NO	dd	db	45.098
123789-HxCDF	37.012	1.001	1.800e5	1.452e5	1.187	1.239	1.240	1476	1211	2.76e6	2.22e6	1866.8	1830.5	NO	bb	bd	46.904
1234678-HpCDF	38.850	1.000	1.639e5	1.620e5	1.204	1.012	1.050	1257	1463	2.72e6	2.63e6	2165.1	1796.7	NO	bb	bd	45.629
1234789-HpCDF	41.101	1.001	1.449e5	1.438e5	1.165	1.008	1.050	1257	1463	2.06e6	2.04e6	1637.1	1396.2	NO	bd	bd	46.425
OCDF	45.367	1.006	2.150e5	2.381e5	1.186	0.903	0.890	767	924	2.51e6	2.77e6	3275.0	2997.0	NO	bd	bd	80.087
2378-TCDD	26.501	1.001	3.017e4	3.872e4	1.236	0.779	0.770	957	775	4.59e5	5.98e5	479.8	770.8	NO	bb	bb	9.177
12378-PeCDD	31.619	1.001	1.569e5	1.008e5	1.087	1.557	1.550	1447	1164	2.39e6	1.55e6	1655.1	1332.8	NO	bb	bb	47.829
123478-HxCDD	36.087	1.000	1.628e5	1.347e5	0.987	1.209	1.240	1281	1025	2.78e6	2.31e6	2170.2	2258.0	NO	bd	bd	46.066
123678-HxCDD	36.209	1.001	1.712e5	1.405e5	1.021	1.219	1.240	1281	1025	2.74e6	2.23e6	2137.2	2174.2	NO	db	db	45.934
123789-HxCDD	36.588	1.011	1.819e5	1.469e5	0.985	1.238	1.240	1281	1025	3.02e6	2.42e6	2356.9	2363.4	NO	bb	bb	50.590
1234678-HpCDD	40.354	1.001	1.427e5	1.369e5	1.253	1.043	1.050	1275	1044	2.18e6	2.06e6	1709.2	1971.6	NO	bd	bd	44.386
OCDD	45.129	1.000	2.232e5	2.494e5	1.103	0.895	0.890	1183	1172	2.67e6	3.00e6	2259.7	2563.3	NO	bd	bb	89.897
13C-2378-TCDF	25.851	1.007	3.686e5	4.752e5	1.768	0.776	0.770	1717	987	5.74e6	7.30e6	3340.5	7402.0	NO	bb	bb	90.380
13C-12378-PeCDF	30.015	1.169	4.675e5	3.069e5	1.527	1.523	1.550	1282	1259	7.16e6	4.68e6	5579.9	3717.3	NO	bb	bb	96.048
13C-23478-PeCDF	31.341	1.221	4.457e5	2.880e5	1.466	1.548	1.550	1282	1259	6.78e6	4.38e6	5283.5	3476.7	NO	bb	bb	94.770
13C-123478-HxCDF	34.962	0.956	2.233e5	4.396e5	1.054	0.508	0.510	1208	1293	3.58e6	7.13e6	2964.2	5517.4	NO	bd	bd	82.780
13C-123678-HxCDF	35.106	0.960	2.280e5	4.388e5	1.080	0.520	0.510	1208	1293	3.65e6	7.09e6	3022.4	5486.0	NO	db	db	81.236
13C-234678-HxCDF	35.964	0.983	2.191e5	4.301e5	1.014	0.510	0.510	1208	1293	3.66e6	7.13e6	3026.3	5516.7	NO	bb	bb	84.210
13C-123789-HxCDF	36.989	1.011	1.970e5	3.874e5	0.928	0.509	0.510	1208	1293	3.32e6	6.48e6	2745.9	5009.8	NO	bb	bb	82.869
13C-1234678-HpCDF	38.839	1.062	1.843e5	4.089e5	1.036	0.451	0.440	1197	1846	3.08e6	6.73e6	2576.4	3646.6	NO	bb	bb	75.333
13C-1234789-HpCDF	41.078	1.123	1.659e5	3.677e5	0.905	0.451	0.440	1197	1846	2.39e6	5.27e6	1994.8	2855.6	NO	bb	bb	77.575
13C-1234-TCDD	25.670	0.000	2.314e5	2.965e5	1.000	0.780	0.770	1333	873	3.68e6	4.66e6	2762.2	5343.9	NO	bb	bb	100.000
13C-2378-TCDD	26.486	1.032	2.646e5	3.427e5	1.103	0.772	0.770	1333	873	4.17e6	5.36e6	3127.0	6142.0	NO	bb	bb	104.273
13C-12378-PeCDD	31.597	1.231	3.054e5	1.905e5	0.914	1.603	1.550	815	748	4.67e6	2.92e6	5733.6	3904.7	NO	bd	bb	102.745
13C-123478-HxCDD	36.076	0.986	3.680e5	2.863e5	0.933	1.285	1.240	1195	1669	6.27e6	4.84e6	5248.6	2900.5	NO	bd	bd	92.276
13C-123678-HxCDD	36.187	0.989	3.693e5	2.955e5	0.965	1.250	1.240	1195	1669	6.01e6	4.83e6	5026.2	2896.6	NO	db	db	90.668
13C-1234678-HpCDD	40.332	1.103	2.646e5	2.383e5	0.782	1.110	1.050	1103	1181	3.95e6	3.73e6	3582.0	3159.4	NO	bd	bb	84.624
13C-OCDD	45.111	1.233	4.546e5	4.991e5	0.788	0.911	0.890	1981	1422	5.61e6	6.19e6	2832.2	4348.8	NO	bb	bb	159.182
13C-123789-HxCDD	36.577	0.000	4.226e5	3.374e5	1.000	1.252	1.240	1195	1669	7.00e6	5.67e6	5856.2	3396.8	NO	bb	bb	100.000
37CL-2378-TCDD	26.501	1.032	5.928e4		1.233			1148		9.29e5		809.5			bb		9.102

ID: CS3T3, Name: 23020721, Date: 08-Feb-2023, Time: 01:35:31, Conditions: AUTOSPEC01, User: pk

Compound	RT	RRT	Ion1Area	Ion2Area	RRF	Ratio	Pred R	Noise 1	Noise 2	Height 1	Height 2	S/N 1	S/N 2	EMPC	Int.1	Int.2	pg
1368-TCDF	22.344	0.864	3.342e4	4.455e4	1.064	0.750	0.770	689	925	5.30e5	7.02e5	768.7	759.5	NO	bb	bb	8.681
1289-TCDF	27.363	1.058	2.927e4	3.773e4	0.858	0.776	0.770	689	925	4.37e5	5.75e5	634.3	622.1	NO	db	bb	9.259
13468-PECDF	27.212	0.907	2.454e5	1.594e5	1.013	1.540	1.550	569	815	3.71e6	2.39e6	6521.3	2933.4	NO	bb	bb	51.598
12389-PECDF					0.844		1.550	1124	1652								
123468-HXCDF	33.324	0.953	1.979e5	1.581e5	1.197	1.252	1.240	1476	1211	3.03e6	2.41e6	2052.5	1991.6	NO	bd	bd	44.844
1368-TCDD	23.629	0.892	2.686e4	3.446e4	1.084	0.780	0.770	957	775	4.19e5	5.33e5	437.7	687.4	NO	bb	bb	9.313
1289-TCDD	27.106	1.023	2.613e4	3.300e4	0.975	0.792	0.770	957	775	4.04e5	5.11e5	422.2	659.1	NO	bb	bd	9.985
12479-PECDD	28.890	0.914	2.667e5	1.702e5	1.837	1.567	1.550	1447	1164	2.61e6	1.66e6	1801.1	1425.3	NO	bb	bb	47.957
12389-PECDD	32.009	1.013	1.833e5	1.186e5	1.252	1.545	1.550	1447	1164	2.80e6	1.84e6	1938.2	1581.8	NO	bb	bb	48.611
124679-HXCDD	34.093	0.945	1.692e5	1.400e5	1.033	1.209	1.240	1281	1025	2.67e6	2.22e6	2084.0	2160.6	NO	bb	bb	45.755
1234679-HPCDD	39.296	0.974	1.557e5	1.502e5	1.286	1.036	1.050	1275	1044	2.52e6	2.45e6	1975.5	2343.0	NO	bd	bb	47.294
Total-tetrafurans			9.279e4		0.933			689		1.44e6							27.296
Total-penta1			2.454e5					569		3.71e6							51.598
Total-pentafurans			5.771e5		0.866			1124		8.83e6							146.147
Total-hexafurans			9.889e5		1.208			1476		1.54e7							228.578
Total-heptafurans			3.088e5		1.185			1257		4.78e6							92.054
Total-Furans			2.428e6		1.067			689		3.67e7							625.761
Total-tetradioxins			1.410e5		1.099			957		1.95e6							48.007
Total-pentadioxins			6.070e5		1.392			1447		7.80e6							144.398
Total-hexadioxins			6.851e5		1.007			1281		1.12e7							188.346
Total-heptadioxins			2.984e5		1.269			1275		4.70e6							91.680
Total-Dioxins			1.955e6		1.165			957		2.83e7							562.328
Total-TEQ			4.383e6					957		6.50e7							1188.088
FUNCTION1 PFK			2.134e5					477536		5.49e6							
FUNCTION2 PFK			1.786e5					215339		5.47e6							0.000
FUNCTION3 PFK			3.692e6					270408		5.38e6							0.000
FUNCTION4 PFK			2.158e5					174561		4.37e6							
FUNCTION5 PFK			1.125e5					115763		4.12e6							
FUNCTION1 HXCD...			1.086e2					438		1.36e3							0.000
FUNCTION1 HPCD...			1.250e2					565		2.02e3							0.000
FUNCTION2 HPCD...			3.788e2					645		4.78e3							0.000
FUNCTION3 OCDPE			8.291e1					503		1.47e3							0.000
FUNCTION4 NCDPE			7.754e1					542		1.15e3							0.000
FUNCTION5 DCDPE			0.000e0					662		0.00e0							

Method: T:\Autospec\Methods\Dioxin230206.mdb 07 Feb 2023 09:29:10
Calibration: T:\Autospec\Curves\230201ICIH.cdb 03 Feb 2023 10:33:40

ID: CS3T3, Name: 23020721, Date: 08-Feb-2023, Time: 01:35:31, Conditions: AUTOSPEC01, User: pk

TF

	Compound	RT	Ion1Area	Ion2Area	RRF	Ratio	Pred R	S/N 1	SNFlag	EMPC	Int.1	Int.2	pg
1	1289-TCDF	27.36	2.927e4	3.773e4	0.858	0.78	0.77	634.3	YES	NO	db	bb	9.259
2	2378-TCDF	25.87	2.989e4	3.883e4	0.876	0.77	0.77	677.6	YES	NO	bb	bb	9.298
3	Total-tetrafurans	24.76	2.129e2	2.476e2	0.933	0.86	0.77	4.9	YES	NO	dd	bb	0.059
4	1368-TCDF	22.34	3.342e4	4.455e4	1.064	0.75	0.77	768.7	YES	NO	bb	bb	8.681

PP

	Compound	RT	Ion1Area	Ion2Area	RRF	Ratio	Pred R	S/N 1	SNFlag	EMPC	Int.1	Int.2	pg
1	13468-PECDF	27.21	2.454e5	1.594e5	1.013	1.54	1.55	6521.3	YES	NO	bb	bb	51.598

PF

	Compound	RT	Ion1Area	Ion2Area	RRF	Ratio	Pred R	S/N 1	SNFlag	EMPC	Int.1	Int.2	pg
1	12378-PeCDF	30.03	1.808e5	1.213e5	0.845	1.49	1.55	2491.0	YES	NO	bb	bb	46.173
2	Total-pentafurans	28.88	2.988e4	2.022e4	0.866	1.48	1.55	414.7	YES	NO	bb	bb	7.668
3	Total-pentafurans	32.40	1.783e5	1.177e5	0.866	1.51	1.55	2333.4	YES	NO	bb	bb	45.302
4	23478-PeCDF	31.36	1.881e5	1.261e5	0.911	1.49	1.55	2612.3	YES	NO	bb	bb	47.005

HF

	Compound	RT	Ion1Area	Ion2Area	RRF	Ratio	Pred R	S/N 1	SNFlag	EMPC	Int.1	Int.2	pg
1	Total-hexafurans	33.49	5.853e2	4.225e2	1.208	1.39	1.24	10.4	YES	NO	dd	db	0.130
2	123468-HXCDF	33.32	1.979e5	1.581e5	1.197	1.25	1.24	2052.5	YES	NO	bd	bd	44.844
3	123789-HxCDF	37.01	1.800e5	1.452e5	1.187	1.24	1.24	1866.8	YES	NO	bb	bd	46.904
4	234678-HxCDF	35.99	2.001e5	1.639e5	1.229	1.22	1.24	2167.0	YES	NO	bb	bb	45.622
5	123678-HxCDF	35.12	2.094e5	1.659e5	1.248	1.26	1.24	2174.0	YES	NO	dd	db	45.098
6	123478-HxCDF	34.98	2.009e5	1.593e5	1.182	1.26	1.24	2175.4	YES	NO	bd	bd	45.979

HPF

	Compound	RT	Ion1Area	Ion2Area	RRF	Ratio	Pred R	S/N 1	SNFlag	EMPC	Int.1	Int.2	pg
1	1234789-HpCDF	41.10	1.449e5	1.438e5	1.165	1.01	1.05	1637.1	YES	NO	bd	bd	46.425
2	1234678-HpCDF	38.85	1.639e5	1.620e5	1.204	1.01	1.05	2165.1	YES	NO	bb	bd	45.629

ID: CS3T3, Name: 23020721, Date: 08-Feb-2023, Time: 01:35:31, Conditions: AUTOSPEC01, User: pk

Furans,TF,PP,PF,HF,HPF,OF

	Compound	RT	Ion1Area	Ion2Area	RRF	Ratio	Pred R	S/N 1	SNFlag	EMPC	Int.1	Int.2	pg
1	1289-TCDF	27.36	2.927e4	3.773e4	0.858	0.78	0.77	634.3	YES	NO	db	bb	9.259
2	2378-TCDF	25.87	2.989e4	3.883e4	0.876	0.77	0.77	677.6	YES	NO	bb	bb	9.298
3	Total-tetrafurans	24.76	2.129e2	2.476e2	0.933	0.86	0.77	4.9	YES	NO	dd	bb	0.059
4	1368-TCDF	22.34	3.342e4	4.455e4	1.064	0.75	0.77	768.7	YES	NO	bb	bb	8.681
5	12378-PeCDF	30.03	1.808e5	1.213e5	0.845	1.49	1.55	2491.0	YES	NO	bb	bb	46.173
6	Total-pentafurans	28.88	2.988e4	2.022e4	0.866	1.48	1.55	414.7	YES	NO	bb	bb	7.668
7	Total-hexafurans	33.49	5.853e2	4.225e2	1.208	1.39	1.24	10.4	YES	NO	dd	db	0.130
8	123468-HXCDF	33.32	1.979e5	1.581e5	1.197	1.25	1.24	2052.5	YES	NO	bd	bd	44.844
9	Total-pentafurans	32.40	1.783e5	1.177e5	0.866	1.51	1.55	2333.4	YES	NO	bb	bb	45.302
10	23478-PeCDF	31.36	1.881e5	1.261e5	0.911	1.49	1.55	2612.3	YES	NO	bb	bb	47.005
11	123789-HxCDF	37.01	1.800e5	1.452e5	1.187	1.24	1.24	1866.8	YES	NO	bb	bd	46.904
12	234678-HxCDF	35.99	2.001e5	1.639e5	1.229	1.22	1.24	2167.0	YES	NO	bb	bb	45.622
13	123678-HxCDF	35.12	2.094e5	1.659e5	1.248	1.26	1.24	2174.0	YES	NO	dd	db	45.098
14	123478-HxCDF	34.98	2.009e5	1.593e5	1.182	1.26	1.24	2175.4	YES	NO	bd	bd	45.979
15	1234789-HpCDF	41.10	1.449e5	1.438e5	1.165	1.01	1.05	1637.1	YES	NO	bd	bd	46.425
16	1234678-HpCDF	38.85	1.639e5	1.620e5	1.204	1.01	1.05	2165.1	YES	NO	bb	bd	45.629
17	OCDF	45.37	2.150e5	2.381e5	1.186	0.90	0.89	3275.0	YES	NO	bd	bd	80.087
18	13468-PECDF	27.21	2.454e5	1.594e5	1.013	1.54	1.55	6521.3	YES	NO	bb	bb	51.598

TD

	Compound	RT	Ion1Area	Ion2Area	RRF	Ratio	Pred R	S/N 1	SNFlag	EMPC	Int.1	Int.2	pg
1	1368-TCDD	23.63	2.686e4	3.446e4	1.084	0.78	0.77	437.7	YES	NO	bb	bb	9.313
2	1289-TCDD	27.11	2.613e4	3.300e4	0.975	0.79	0.77	422.2	YES	NO	bb	bd	9.985
3	2378-TCDD	26.50	3.017e4	3.872e4	1.236	0.78	0.77	479.8	YES	NO	bb	bb	9.177
4	Total-tetradioxins	26.18	4.356e4	5.516e4	1.099	0.79	0.77	474.0	YES	NO	bb	bb	14.798
5	Total-tetradioxins	25.68	1.401e4	1.679e4	1.099	0.83	0.77	222.9	YES	NO	bd	bb	4.616
6	Total-tetradioxins	25.10	3.249e2	4.667e2	1.099	0.70	0.77	4.8	YES	NO	bb	bb	0.119

PD

	Compound	RT	Ion1Area	Ion2Area	RRF	Ratio	Pred R	S/N 1	SNFlag	EMPC	Int.1	Int.2	pg
1	12389-PECDD	32.01	1.833e5	1.186e5	1.252	1.54	1.55	1938.2	YES	NO	bb	bb	48.611
2	12378-PeCDD	31.62	1.569e5	1.008e5	1.087	1.56	1.55	1655.1	YES	NO	bb	bb	47.829
3	12479-PECDD	28.89	2.667e5	1.702e5	1.837	1.57	1.55	1801.1	YES	NO	bb	bb	47.957

ID: CS3T3, Name: 23020721, Date: 08-Feb-2023, Time: 01:35:31, Conditions: AUTOSPEC01, User: pk

HD

	Compound	RT	Ion1Area	Ion2Area	RRF	Ratio	Pred R	S/N 1	SNFlag	EMPC	Int.1	Int.2	pg
1	124679-HXCDD	34.09	1.692e5	1.400e5	1.033	1.21	1.24	2084.0	YES	NO	bb	bb	45.755
2	123789-HxCDD	36.59	1.819e5	1.469e5	0.985	1.24	1.24	2356.9	YES	NO	bb	bb	50.590
3	123678-HxCDD	36.21	1.712e5	1.405e5	1.021	1.22	1.24	2137.2	YES	NO	db	db	45.934
4	123478-HxCDD	36.09	1.628e5	1.347e5	0.987	1.21	1.24	2170.2	YES	NO	bd	bd	46.066

HPD

	Compound	RT	Ion1Area	Ion2Area	RRF	Ratio	Pred R	S/N 1	SNFlag	EMPC	Int.1	Int.2	pg
1	1234678-HpCDD	40.35	1.427e5	1.369e5	1.253	1.04	1.05	1709.2	YES	NO	bd	bd	44.386
2	1234679-HPCDD	39.30	1.557e5	1.502e5	1.286	1.04	1.05	1975.5	YES	NO	bd	bb	47.294

Dioxins,TD,PD,HD,HPD,OD

	Compound	RT	Ion1Area	Ion2Area	RRF	Ratio	Pred R	S/N 1	SNFlag	EMPC	Int.1	Int.2	pg
1	1368-TCDD	23.63	2.686e4	3.446e4	1.084	0.78	0.77	437.7	YES	NO	bb	bb	9.313
2	1289-TCDD	27.11	2.613e4	3.300e4	0.975	0.79	0.77	422.2	YES	NO	bb	bd	9.985
3	2378-TCDD	26.50	3.017e4	3.872e4	1.236	0.78	0.77	479.8	YES	NO	bb	bb	9.177
4	Total-tetradioxins	26.18	4.356e4	5.516e4	1.099	0.79	0.77	474.0	YES	NO	bb	bb	14.798
5	Total-tetradioxins	25.68	1.401e4	1.679e4	1.099	0.83	0.77	222.9	YES	NO	bd	bb	4.616
6	Total-tetradioxins	25.10	3.249e2	4.667e2	1.099	0.70	0.77	4.8	YES	NO	bb	bb	0.119
7	12389-PECDD	32.01	1.833e5	1.186e5	1.252	1.54	1.55	1938.2	YES	NO	bb	bb	48.611
8	12378-PeCDD	31.62	1.569e5	1.008e5	1.087	1.56	1.55	1655.1	YES	NO	bb	bb	47.829
9	12479-PECDD	28.89	2.667e5	1.702e5	1.837	1.57	1.55	1801.1	YES	NO	bb	bb	47.957
10	124679-HXCDD	34.09	1.692e5	1.400e5	1.033	1.21	1.24	2084.0	YES	NO	bb	bb	45.755
11	123789-HxCDD	36.59	1.819e5	1.469e5	0.985	1.24	1.24	2356.9	YES	NO	bb	bb	50.590
12	123678-HxCDD	36.21	1.712e5	1.405e5	1.021	1.22	1.24	2137.2	YES	NO	db	db	45.934
13	123478-HxCDD	36.09	1.628e5	1.347e5	0.987	1.21	1.24	2170.2	YES	NO	bd	bd	46.066
14	1234678-HpCDD	40.35	1.427e5	1.369e5	1.253	1.04	1.05	1709.2	YES	NO	bd	bd	44.386
15	1234679-HPCDD	39.30	1.557e5	1.502e5	1.286	1.04	1.05	1975.5	YES	NO	bd	bb	47.294
16	OCDD	45.13	2.232e5	2.494e5	1.103	0.89	0.89	2259.7	YES	NO	bd	bb	89.897

ID: CS3T3, Name: 23020721, Date: 08-Feb-2023, Time: 01:35:31, Conditions: AUTOSPEC01, User: pk

TotalTEQ,Furans,Dioxins

	Compound	RT	Ion1Area	Ion2Area	RRF	Ratio	Pred R	S/N 1	SNFlag	EMPC	Int.1	Int.2	pg
1	1289-TCDF	27.36	2.927e4	3.773e4	0.858	0.78	0.77	634.3	YES	NO	db	bb	9.259
2	2378-TCDF	25.87	2.989e4	3.883e4	0.876	0.77	0.77	677.6	YES	NO	bb	bb	9.298
3	Total-tetrafurans	24.76	2.129e2	2.476e2	0.933	0.86	0.77	4.9	YES	NO	dd	bb	0.059
4	1368-TCDF	22.34	3.342e4	4.455e4	1.064	0.75	0.77	768.7	YES	NO	bb	bb	8.681
5	12378-PeCDF	30.03	1.808e5	1.213e5	0.845	1.49	1.55	2491.0	YES	NO	bb	bb	46.173
6	Total-pentafurans	28.88	2.988e4	2.022e4	0.866	1.48	1.55	414.7	YES	NO	bb	bb	7.668
7	Total-hexafurans	33.49	5.853e2	4.225e2	1.208	1.39	1.24	10.4	YES	NO	dd	db	0.130
8	123468-HXCDF	33.32	1.979e5	1.581e5	1.197	1.25	1.24	2052.5	YES	NO	bd	bd	44.844
9	Total-pentafurans	32.40	1.783e5	1.177e5	0.866	1.51	1.55	2333.4	YES	NO	bb	bb	45.302
10	23478-PeCDF	31.36	1.881e5	1.261e5	0.911	1.49	1.55	2612.3	YES	NO	bb	bb	47.005
11	123789-HxCDF	37.01	1.800e5	1.452e5	1.187	1.24	1.24	1866.8	YES	NO	bb	bd	46.904
12	234678-HxCDF	35.99	2.001e5	1.639e5	1.229	1.22	1.24	2167.0	YES	NO	bb	bb	45.622
13	123678-HxCDF	35.12	2.094e5	1.659e5	1.248	1.26	1.24	2174.0	YES	NO	dd	db	45.098
14	123478-HxCDF	34.98	2.009e5	1.593e5	1.182	1.26	1.24	2175.4	YES	NO	bd	bd	45.979
15	1234789-HpCDF	41.10	1.449e5	1.438e5	1.165	1.01	1.05	1637.1	YES	NO	bd	bd	46.425
16	1234678-HpCDF	38.85	1.639e5	1.620e5	1.204	1.01	1.05	2165.1	YES	NO	bb	bd	45.629
17	OCDF	45.37	2.150e5	2.381e5	1.186	0.90	0.89	3275.0	YES	NO	bd	bd	80.087
18	13468-PECDF	27.21	2.454e5	1.594e5	1.013	1.54	1.55	6521.3	YES	NO	bb	bb	51.598
19	1368-TCDD	23.63	2.686e4	3.446e4	1.084	0.78	0.77	437.7	YES	NO	bb	bb	9.313
20	1289-TCDD	27.11	2.613e4	3.300e4	0.975	0.79	0.77	422.2	YES	NO	bb	bd	9.985
21	2378-TCDD	26.50	3.017e4	3.872e4	1.236	0.78	0.77	479.8	YES	NO	bb	bb	9.177
22	Total-tetradioxins	26.18	4.356e4	5.516e4	1.099	0.79	0.77	474.0	YES	NO	bb	bb	14.798
23	Total-tetradioxins	25.68	1.401e4	1.679e4	1.099	0.83	0.77	222.9	YES	NO	bd	bb	4.616
24	Total-tetradioxins	25.10	3.249e2	4.667e2	1.099	0.70	0.77	4.8	YES	NO	bb	bb	0.119
25	12389-PECDD	32.01	1.833e5	1.186e5	1.252	1.54	1.55	1938.2	YES	NO	bb	bb	48.611
26	12378-PeCDD	31.62	1.569e5	1.008e5	1.087	1.56	1.55	1655.1	YES	NO	bb	bb	47.829
27	12479-PECDD	28.89	2.667e5	1.702e5	1.837	1.57	1.55	1801.1	YES	NO	bb	bb	47.957
28	124679-HXCDD	34.09	1.692e5	1.400e5	1.033	1.21	1.24	2084.0	YES	NO	bb	bb	45.755
29	123789-HxCDD	36.59	1.819e5	1.469e5	0.985	1.24	1.24	2356.9	YES	NO	bb	bb	50.590
30	123678-HxCDD	36.21	1.712e5	1.405e5	1.021	1.22	1.24	2137.2	YES	NO	db	db	45.934
31	123478-HxCDD	36.09	1.628e5	1.347e5	0.987	1.21	1.24	2170.2	YES	NO	bd	bd	46.066
32	1234678-HpCDD	40.35	1.427e5	1.369e5	1.253	1.04	1.05	1709.2	YES	NO	bd	bd	44.386
33	1234679-HPCDD	39.30	1.557e5	1.502e5	1.286	1.04	1.05	1975.5	YES	NO	bd	bb	47.294
34	OCDD	45.13	2.232e5	2.494e5	1.103	0.89	0.89	2259.7	YES	NO	bd	bb	89.897

ID: CS3T3, Name: 23020721, Date: 08-Feb-2023, Time: 01:35:31, Conditions: AUTOSPEC01, User: pk

PFK1

	Compound	RT	Ion1Area	Ion2Area	RRF	Ratio	Pred R	S/N 1	SNFlag	EMPC	Int.1	Int.2	pg
1	FUNCTION1 PFK	26.70	2.023e4					1.3	NO		bb		
2	FUNCTION1 PFK	26.55	1.144e4					0.9	NO		bb		
3	FUNCTION1 PFK	26.49	4.635e3					0.6	NO		bb		
4	FUNCTION1 PFK	26.05	3.908e3					0.5	NO		bb		
5	FUNCTION1 PFK	25.40	1.187e4					0.9	NO		bb		
6	FUNCTION1 PFK	22.45	3.890e3					0.5	NO		bb		
7	FUNCTION1 PFK	22.22	6.548e4					2.2	NO		bb		
8	FUNCTION1 PFK	21.98	1.169e4					0.9	NO		bb		
9	FUNCTION1 PFK	21.72	1.145e4					1.0	NO		bb		
10	FUNCTION1 PFK	21.18	6.878e4					2.5	NO		bb		

ID: CS3T3, Name: 23020721, Date: 08-Feb-2023, Time: 01:35:31, Conditions: AUTOSPEC01, User: pk

PFK2

	Compound	RT	Ion1Area	Ion2Area	RRF	Ratio	Pred R	S/N 1	SNFlag	EMPC	Int.1	Int.2	pg
1	FUNCTION2 PFK	28.30	3.568e3					0.9	NO		bb		0.000
2	FUNCTION2 PFK	31.43	1.195e3					0.5	NO		bb		0.000
3	FUNCTION2 PFK	31.24	1.126e3					0.5	NO		bb		0.000
4	FUNCTION2 PFK	31.20	4.585e3					1.0	NO		db		0.000
5	FUNCTION2 PFK	31.16	6.978e3					1.2	NO		bd		0.000
6	FUNCTION2 PFK	31.11	1.585e4					1.6	NO		bb		0.000
7	FUNCTION2 PFK	30.32	2.082e3					0.6	NO		bb		0.000
8	FUNCTION2 PFK	30.09	6.311e3					1.3	NO		bb		0.000
9	FUNCTION2 PFK	29.99	5.210e3					1.2	NO		db		0.000
10	FUNCTION2 PFK	29.89	1.515e4					1.4	NO		bd		0.000
11	FUNCTION2 PFK	29.84	1.481e4					1.8	NO		bb		0.000
12	FUNCTION2 PFK	29.44	1.114e3					0.5	NO		bb		0.000
13	FUNCTION2 PFK	28.87	1.231e4					0.9	NO		bb		0.000
14	FUNCTION2 PFK	28.56	3.301e3					0.9	NO		bb		0.000
15	FUNCTION2 PFK	28.51	8.870e3					1.3	NO		bb		0.000
16	FUNCTION2 PFK	28.44	1.006e4					1.6	NO		bb		0.000
17	FUNCTION2 PFK	28.38	3.503e3					0.8	NO		bb		0.000
18	FUNCTION2 PFK	32.63	1.162e3					0.5	NO		bb		0.000
19	FUNCTION2 PFK	32.54	1.268e4					1.2	NO		bb		0.000
20	FUNCTION2 PFK	32.39	9.909e3					1.4	NO		bb		0.000
21	FUNCTION2 PFK	32.23	4.859e3					0.9	NO		bb		0.000
22	FUNCTION2 PFK	31.90	4.977e3					0.9	NO		bb		0.000
23	FUNCTION2 PFK	31.80	2.169e4					1.8	NO		bb		0.000
24	FUNCTION2 PFK	31.51	7.345e3					0.7	NO		bb		0.000

PFK3

	Compound	RT	Ion1Area	Ion2Area	RRF	Ratio	Pred R	S/N 1	SNFlag	EMPC	Int.1	Int.2	pg
1	FUNCTION3 PFK	36.87	1.434e6					9.2	YES		bb		0.000
2	FUNCTION3 PFK	36.01	2.258e6					10.7	YES		bb		0.000

ID: CS3T3, Name: 23020721, Date: 08-Feb-2023, Time: 01:35:31, Conditions: AUTOSPEC01, User: pk

PFK4

	Compound	RT	Ion1Area	Ion2Area	RRF	Ratio	Pred R	S/N 1	SNFlag	EMPC	Int.1	Int.2	pg
1	FUNCTION4 PFK	38.91	9.011e2					0.5	NO		bb		
2	FUNCTION4 PFK	38.30	5.373e3					1.0	NO		db		
3	FUNCTION4 PFK	38.24	2.063e4					2.9	NO		bd		
4	FUNCTION4 PFK	38.16	2.921e4					3.8	YES		db		
5	FUNCTION4 PFK	38.13	5.819e4					3.6	YES		bd		
6	FUNCTION4 PFK	42.75	3.865e3					1.0	NO		bb		
7	FUNCTION4 PFK	42.68	3.805e3					1.1	NO		bb		
8	FUNCTION4 PFK	41.91	2.761e3					0.6	NO		bb		
9	FUNCTION4 PFK	41.27	2.323e4					1.5	NO		db		
10	FUNCTION4 PFK	41.10	1.132e4					1.5	NO		bd		
11	FUNCTION4 PFK	40.65	7.650e3					1.5	NO		bb		
12	FUNCTION4 PFK	40.52	2.352e4					2.0	NO		bb		
13	FUNCTION4 PFK	39.82	1.782e4					2.0	NO		bb		
14	FUNCTION4 PFK	39.03	3.662e3					0.9	NO		db		
15	FUNCTION4 PFK	38.98	3.895e3					1.1	NO		bd		

ID: CS3T3, Name: 23020721, Date: 08-Feb-2023, Time: 01:35:31, Conditions: AUTOSPEC01, User: pk

PFK5

	Compound	RT	Ion1Area	Ion2Area	RRF	Ratio	Pred R	S/N 1	SNFlag	EMPC	Int.1	Int.2	pg
1	FUNCTION5 PFK	43.35	2.092e3					0.7	NO		db		
2	FUNCTION5 PFK	43.31	4.272e3					1.4	NO		bd		
3	FUNCTION5 PFK	43.24	4.550e3					1.5	NO		bb		
4	FUNCTION5 PFK	43.11	3.078e3					1.3	NO		db		
5	FUNCTION5 PFK	43.07	2.926e3					1.4	NO		bd		
6	FUNCTION5 PFK	45.39	8.629e3					1.2	NO		db		
7	FUNCTION5 PFK	45.33	2.745e3					0.9	NO		bd		
8	FUNCTION5 PFK	45.28	3.286e3					1.2	NO		bb		
9	FUNCTION5 PFK	45.06	3.876e2					0.4	NO		bb		
10	FUNCTION5 PFK	44.86	4.044e3					1.1	NO		bb		
11	FUNCTION5 PFK	44.77	1.135e4					2.1	NO		bb		
12	FUNCTION5 PFK	44.68	9.812e3					1.9	NO		bb		
13	FUNCTION5 PFK	44.48	2.605e3					1.0	NO		db		
14	FUNCTION5 PFK	44.43	2.465e3					0.9	NO		bd		
15	FUNCTION5 PFK	44.28	4.028e2					0.4	NO		bb		
16	FUNCTION5 PFK	44.24	1.798e3					0.9	NO		bb		
17	FUNCTION5 PFK	44.08	5.712e3					1.4	NO		bb		
18	FUNCTION5 PFK	43.99	2.793e3					1.2	NO		bb		
19	FUNCTION5 PFK	43.79	4.234e3					1.1	NO		bb		
20	FUNCTION5 PFK	43.62	3.789e3					1.3	NO		db		
21	FUNCTION5 PFK	43.56	5.347e3					1.2	NO		bd		
22	FUNCTION5 PFK	46.46	1.270e3					0.8	NO		bb		
23	FUNCTION5 PFK	46.36	1.625e3					0.7	NO		bb		
24	FUNCTION5 PFK	46.16	5.790e2					0.5	NO		bb		
25	FUNCTION5 PFK	46.13	7.509e2					0.5	NO		db		
26	FUNCTION5 PFK	46.09	2.489e3					1.1	NO		bd		
27	FUNCTION5 PFK	45.88	4.478e3					1.2	NO		db		
28	FUNCTION5 PFK	45.83	6.104e3					1.8	NO		dd		
29	FUNCTION5 PFK	45.79	2.918e3					1.0	NO		dd		
30	FUNCTION5 PFK	45.75	2.440e3					0.9	NO		bd		
31	FUNCTION5 PFK	45.70	1.975e3					0.9	NO		bb		
32	FUNCTION5 PFK	45.55	5.406e2					0.5	NO		bb		
33	FUNCTION5 PFK	45.51	5.188e2					0.5	NO		bb		
34	FUNCTION5 PFK	45.48	5.220e2					0.5	NO		bb		

ID: CS3T3, Name: 23020721, Date: 08-Feb-2023, Time: 01:35:31, Conditions: AUTOSPEC01, User: pk

ETHERS1

	Compound	RT	Ion1Area	Ion2Area	RRF	Ratio	Pred R	S/N 1	SNFlag	EMPC	Int.1	Int.2	pg
1	FUNCTION1 HXCD...	23.83	1.086e2					3.1	YES		bb		0.000

ETHERS2

	Compound	RT	Ion1Area	Ion2Area	RRF	Ratio	Pred R	S/N 1	SNFlag	EMPC	Int.1	Int.2	pg
1	FUNCTION1 HPCD...	24.37	1.250e2					3.6	YES		bb		0.000

ETHERS3

	Compound	RT	Ion1Area	Ion2Area	RRF	Ratio	Pred R	S/N 1	SNFlag	EMPC	Int.1	Int.2	pg
1	FUNCTION2 HPCD...	31.20	3.788e2					7.4	YES		bb		0.000

ETHERS4

	Compound	RT	Ion1Area	Ion2Area	RRF	Ratio	Pred R	S/N 1	SNFlag	EMPC	Int.1	Int.2	pg
1	FUNCTION3 OCDPE	36.58	8.291e1					2.9	NO		bb		0.000

ETHERS5

	Compound	RT	Ion1Area	Ion2Area	RRF	Ratio	Pred R	S/N 1	SNFlag	EMPC	Int.1	Int.2	pg
1	FUNCTION4 NCDPE	40.65	7.754e1					2.1	NO		bb		0.000

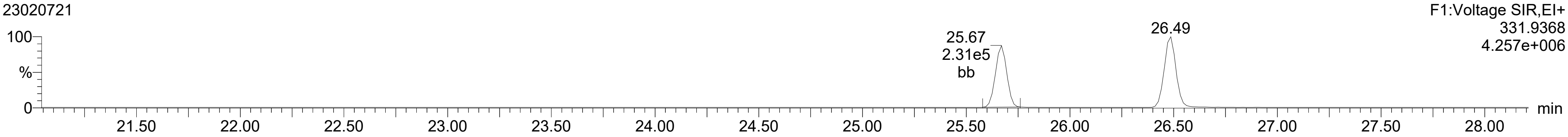
ETHERS6

	Compound	RT	Ion1Area	Ion2Area	RRF	Ratio	Pred R	S/N 1	SNFlag	EMPC	Int.1	Int.2	pg
1													

Method: T:\Autospec\Methods\Dioxin230206.mdb 07 Feb 2023 09:29:10
Calibration: T:\Autospec\Curves\230201ICIH.cdb 03 Feb 2023 10:33:40

ID: CS3T3, Name: 23020721, Date: 08-Feb-2023, Time: 01:35:31, Conditions: AUTOSPEC01, User: pk

13C-1234-TCDD



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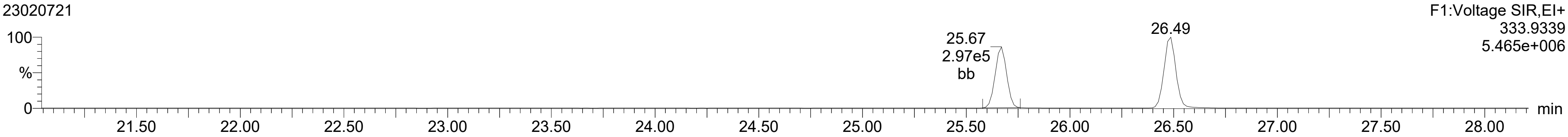
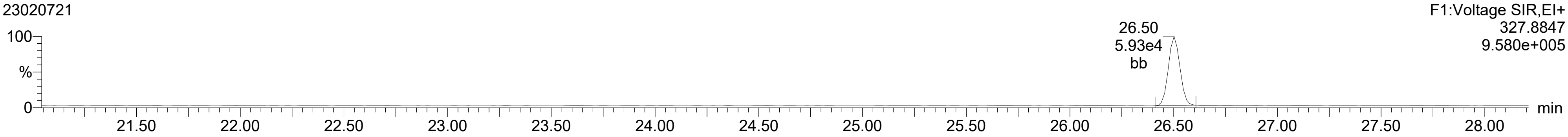


37CL-2378-TCDD



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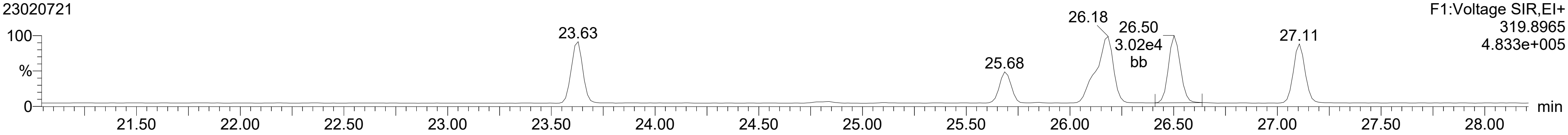

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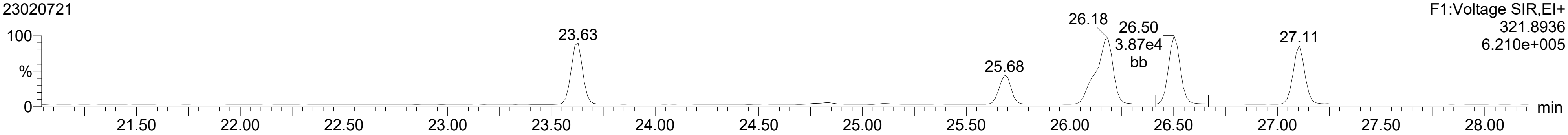

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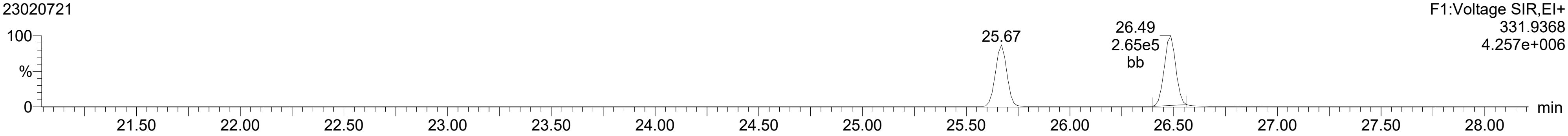

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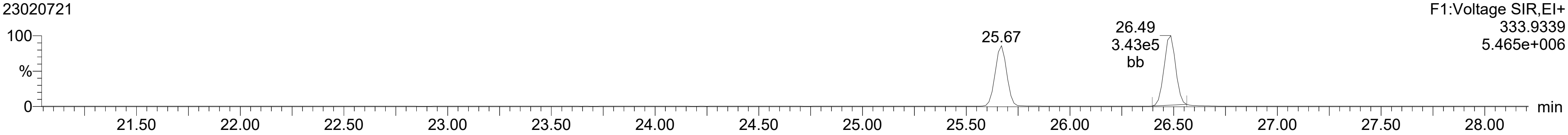
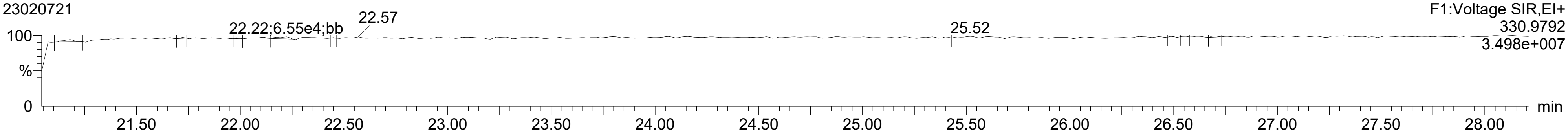


FUNCTION1 PFK



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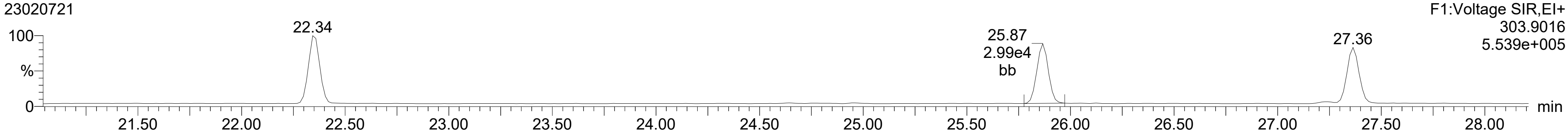
2378-TCDF



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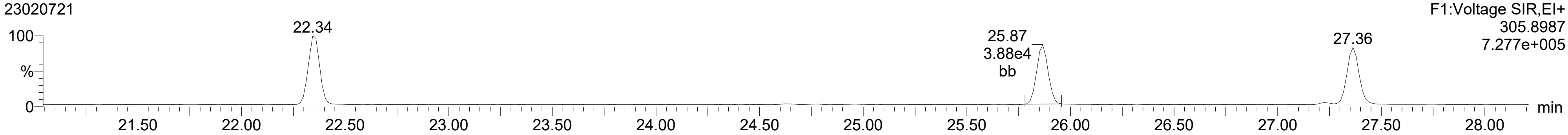

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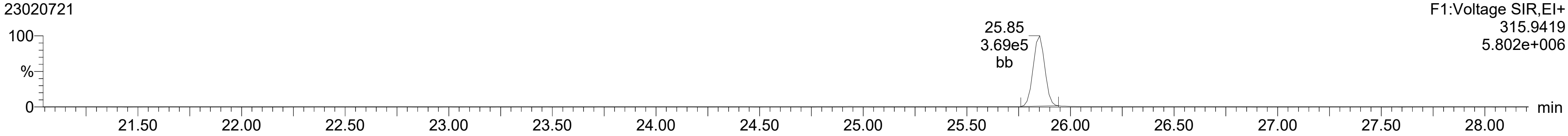

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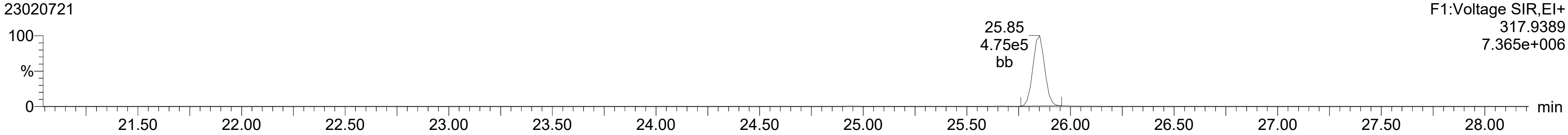
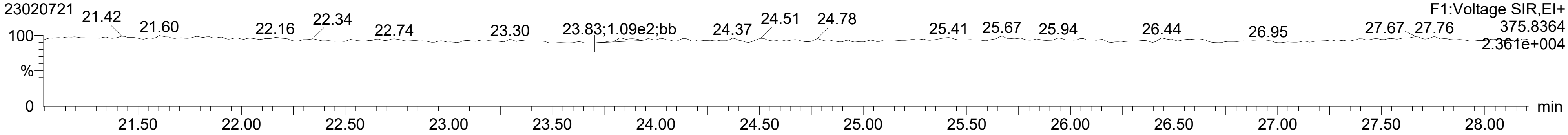


FUNCTION1 HXCDPE



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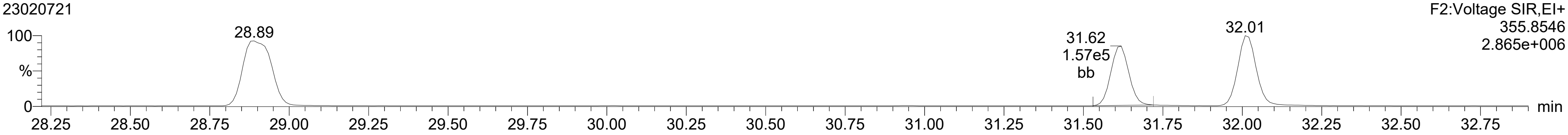
12378-PeCDD



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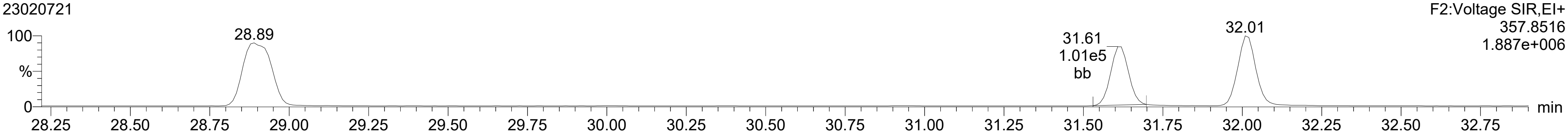

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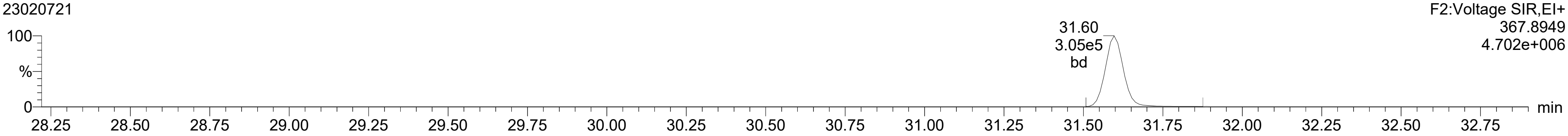

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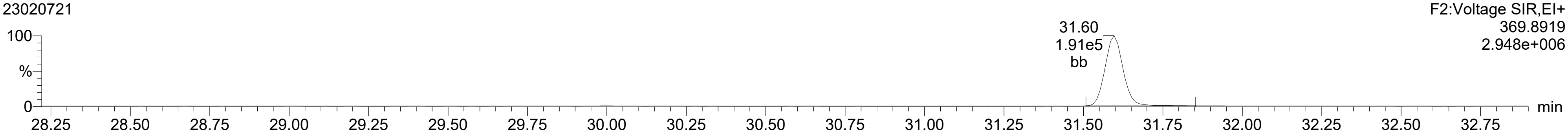
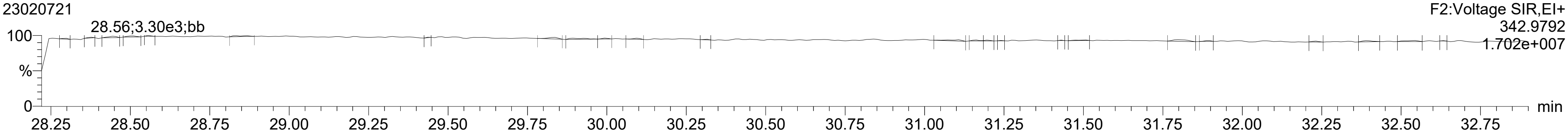


FUNCTION2 PFK



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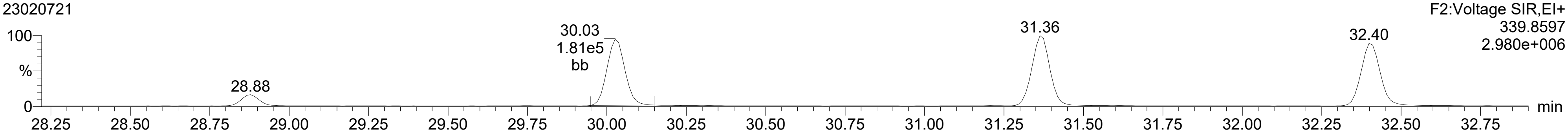

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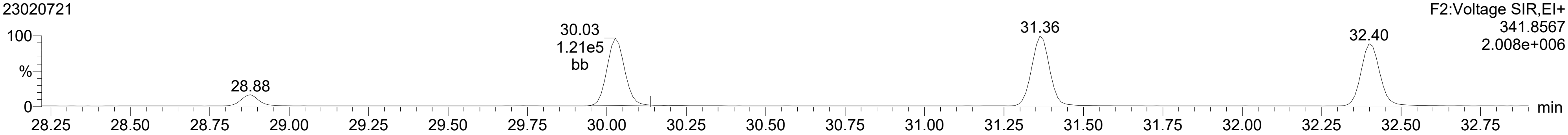

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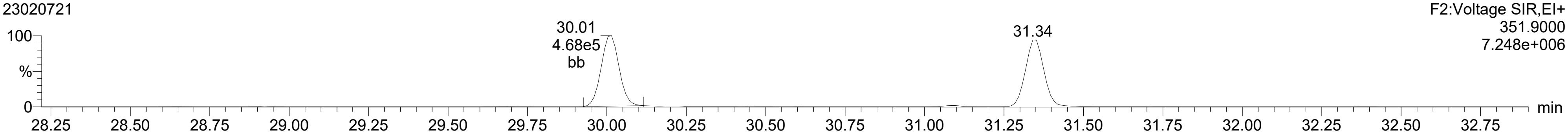

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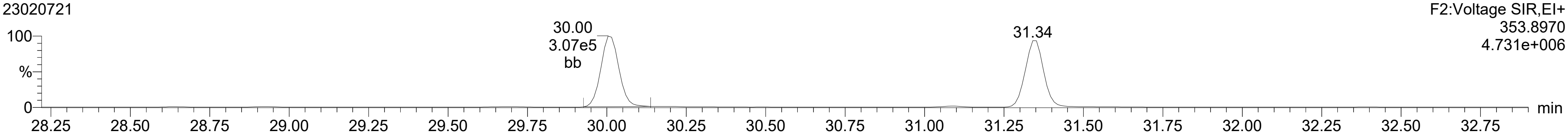

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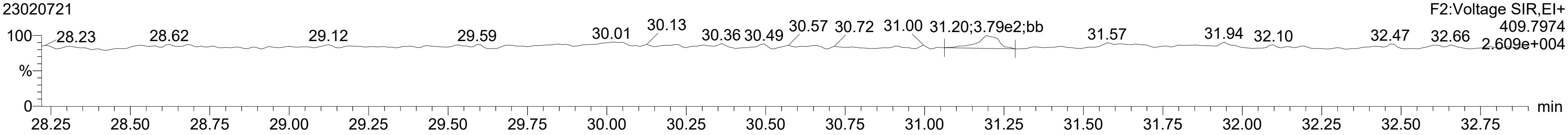

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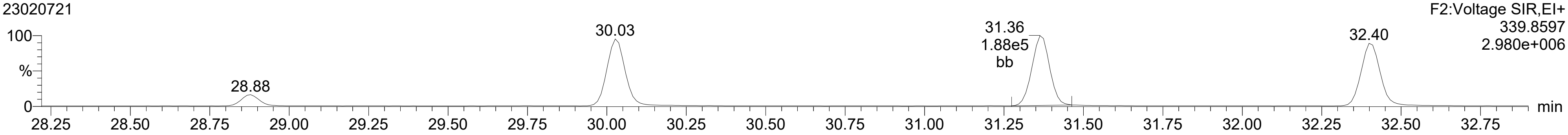
23478-PeCDF



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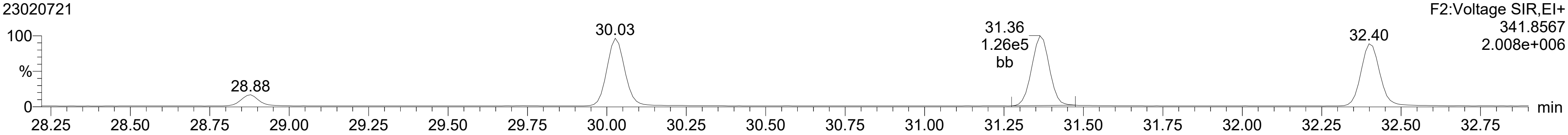

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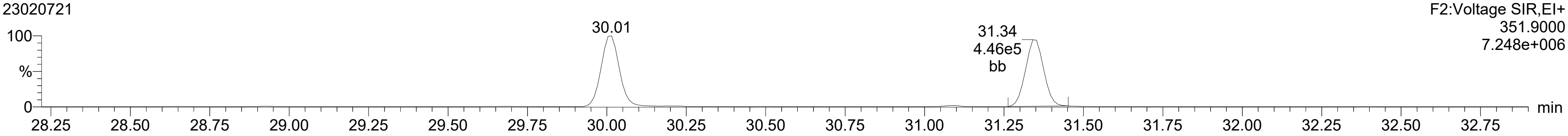

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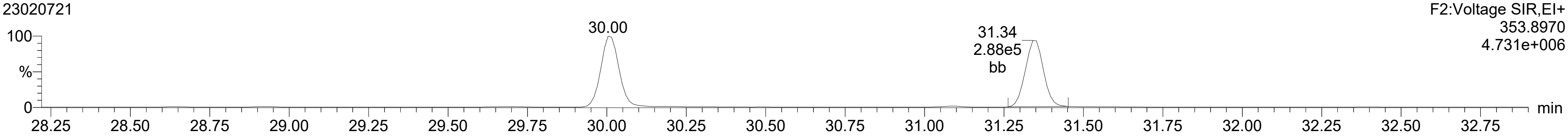
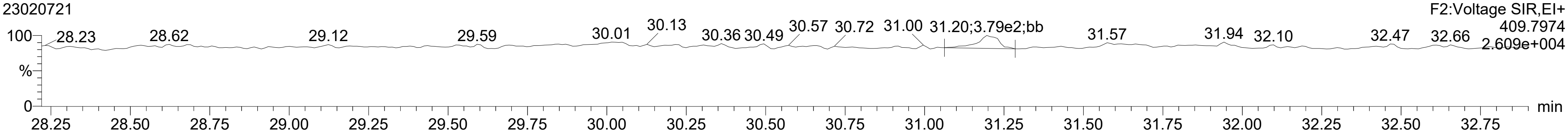


FUNCTION2 HPCDPE



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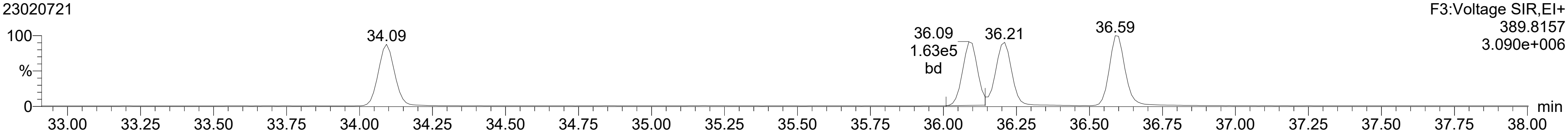
123478-HxCDD



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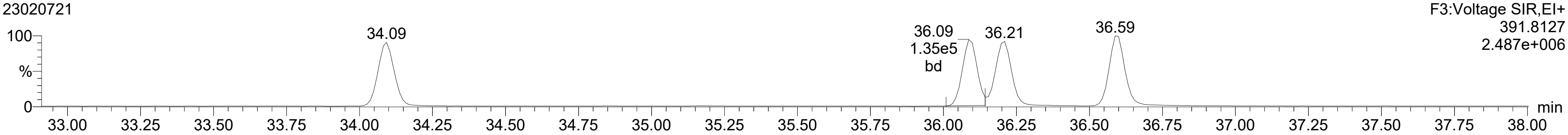

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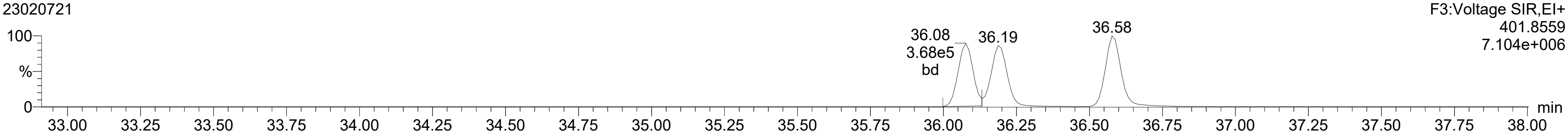

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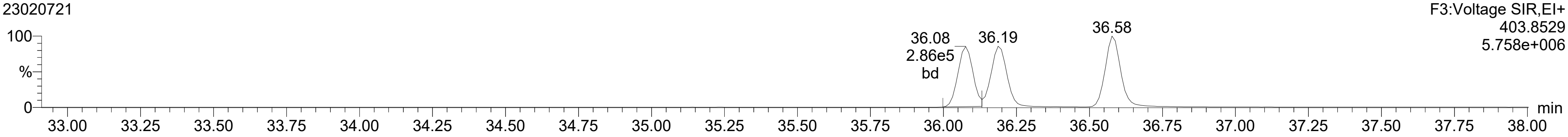
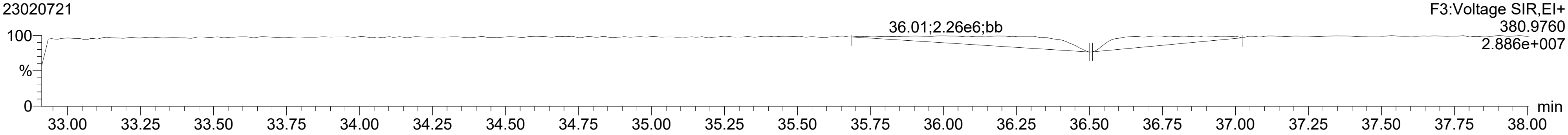


FUNCTION3 PFK



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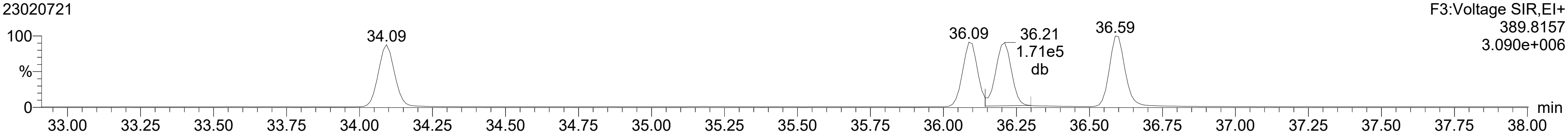
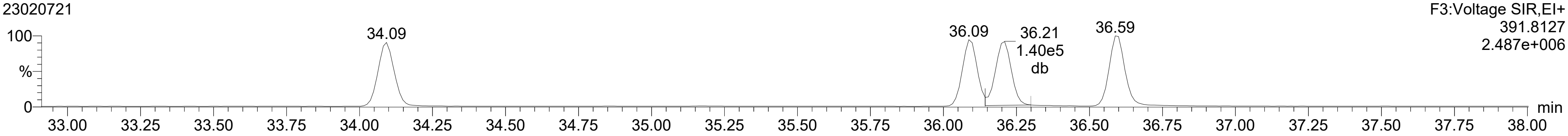
123678-HxCDD



123678-HxCDD



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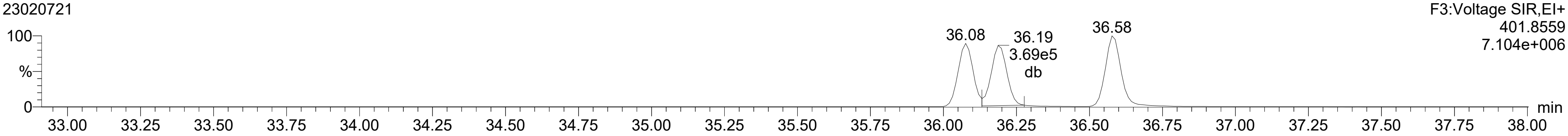

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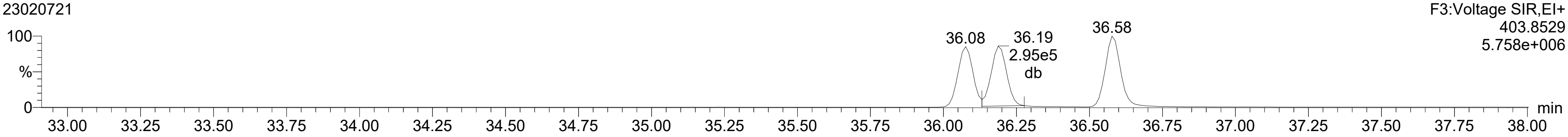

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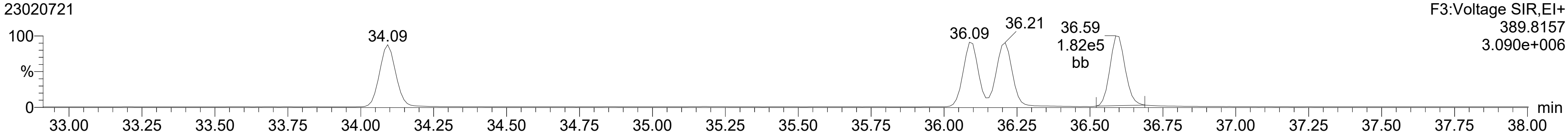
123789-HxCDD



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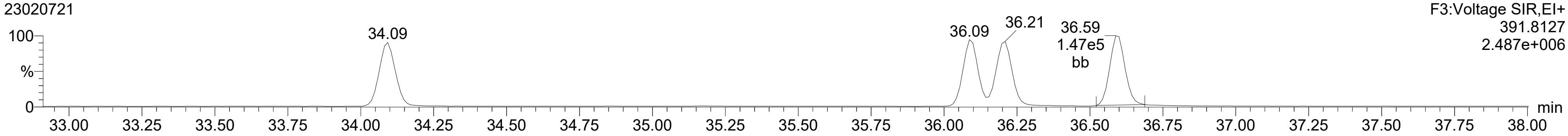

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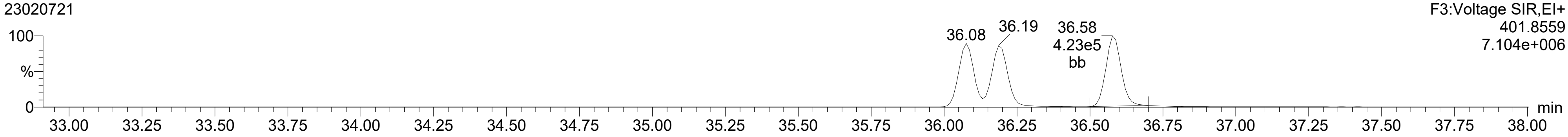

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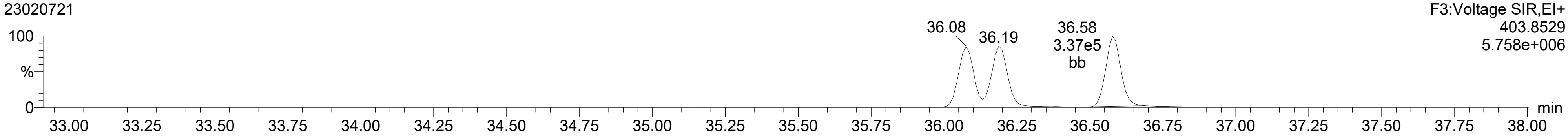

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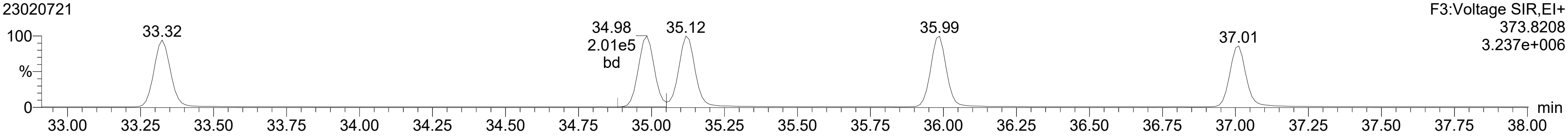

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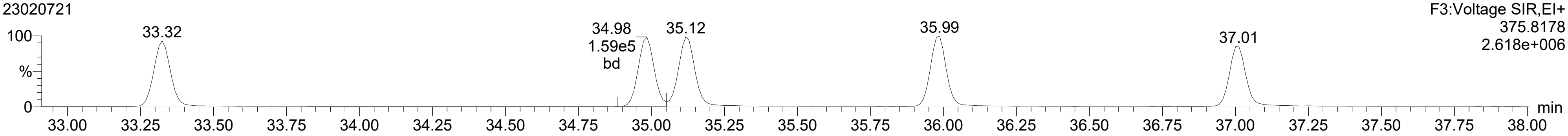

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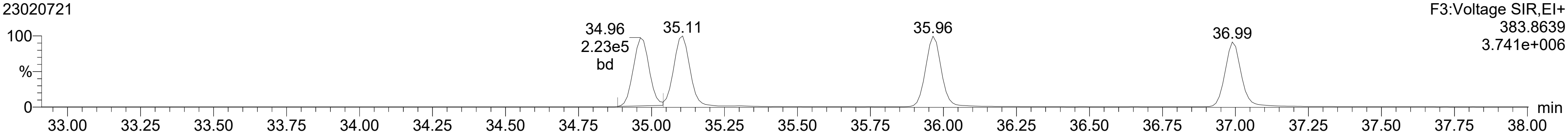

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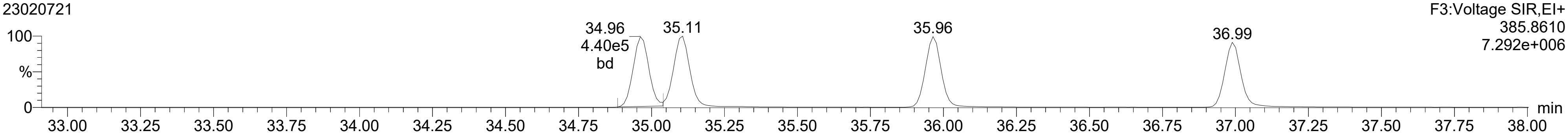

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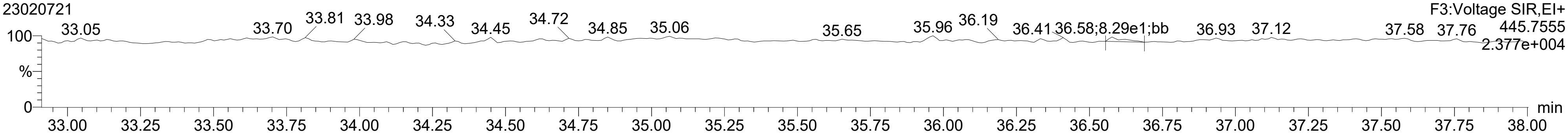

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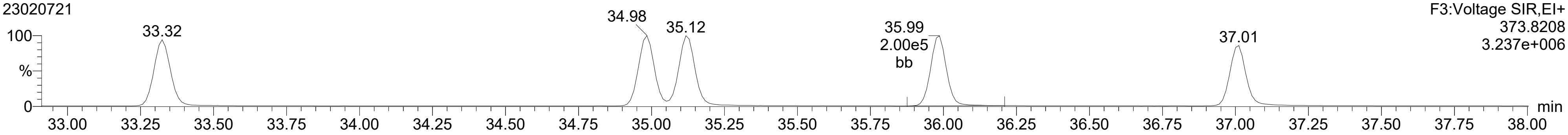

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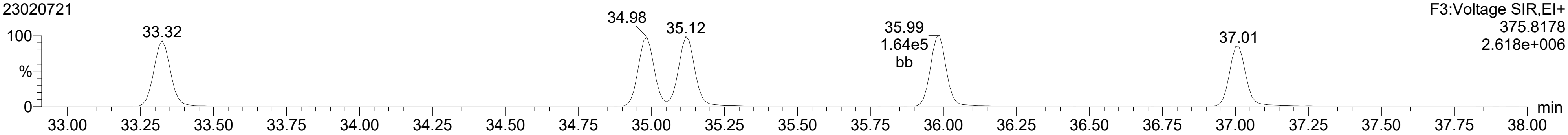

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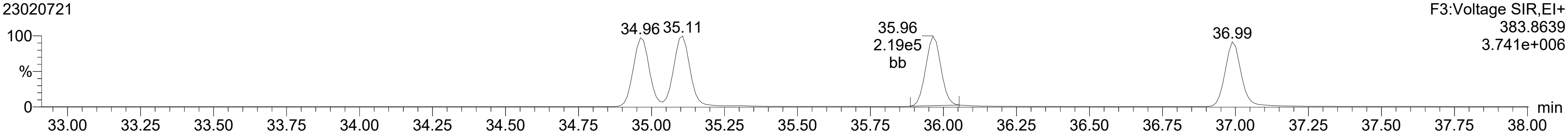

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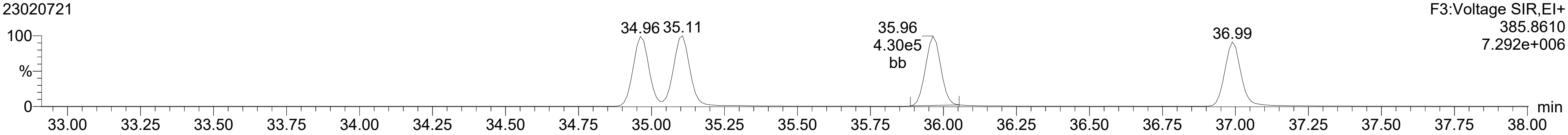

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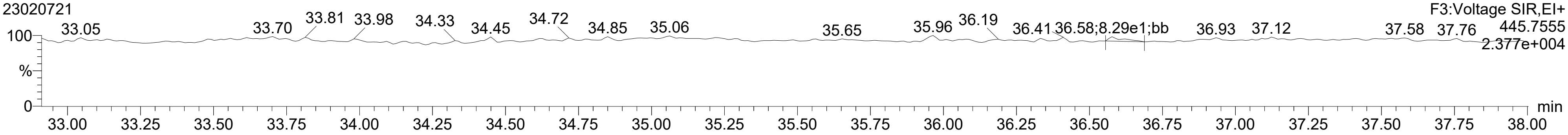

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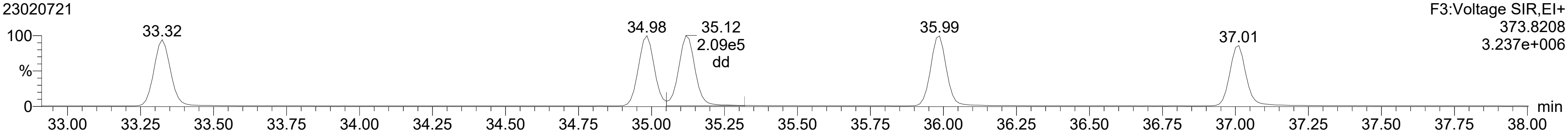

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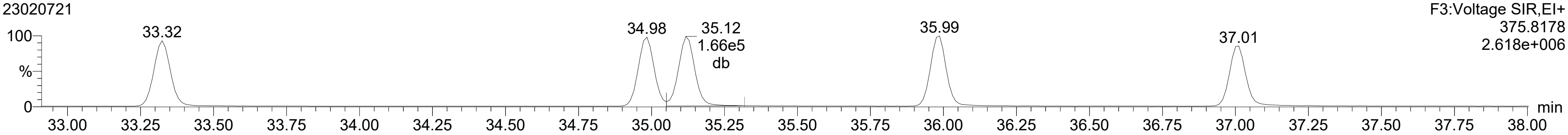

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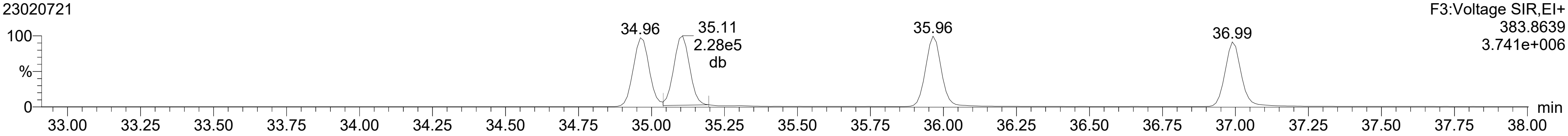

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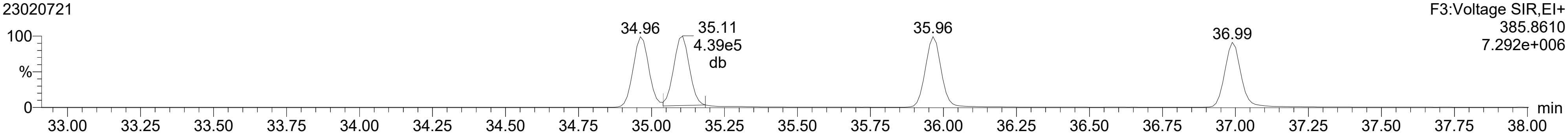

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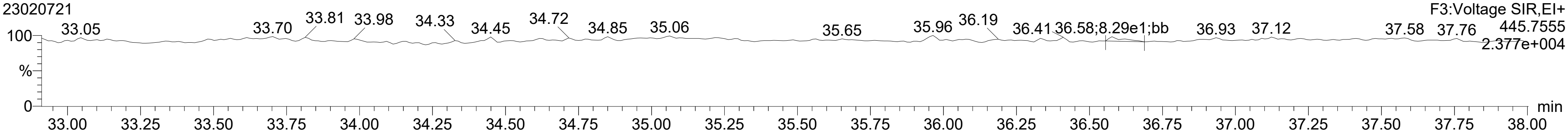

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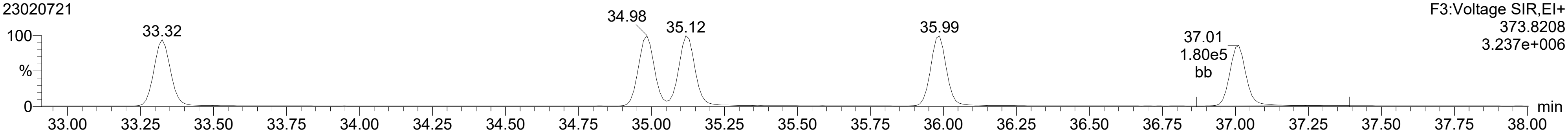

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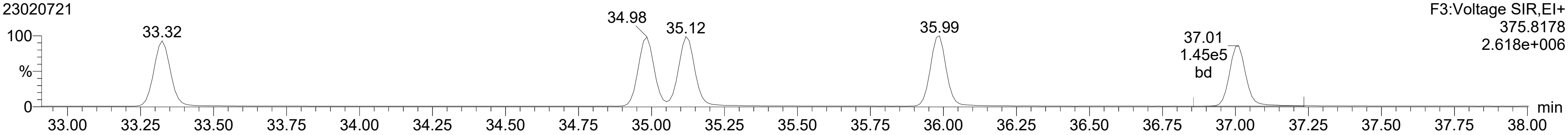

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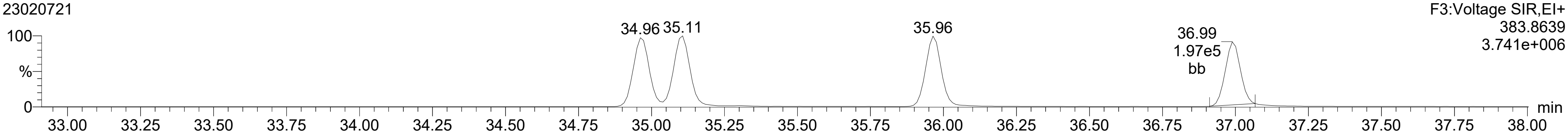

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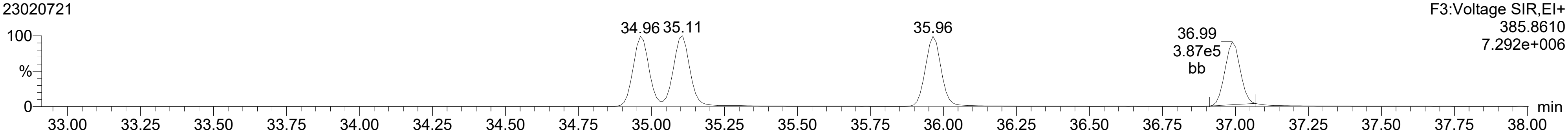

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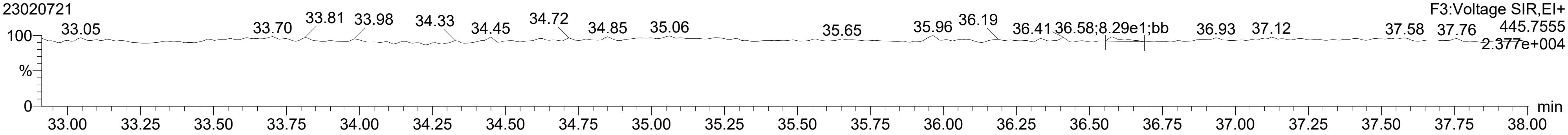

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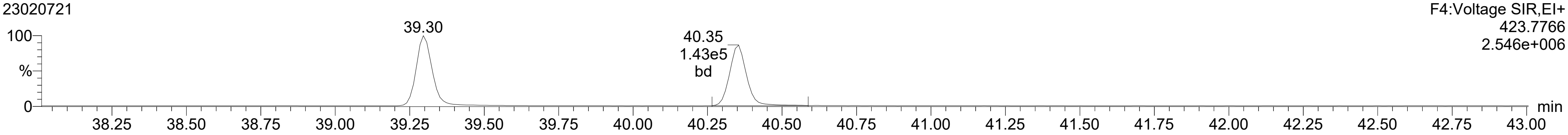

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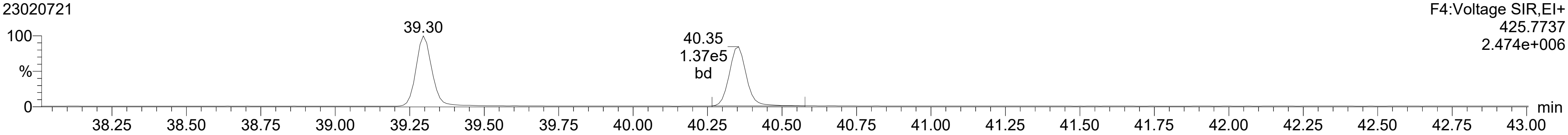

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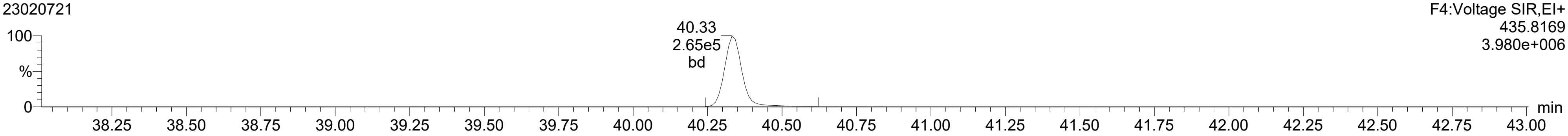

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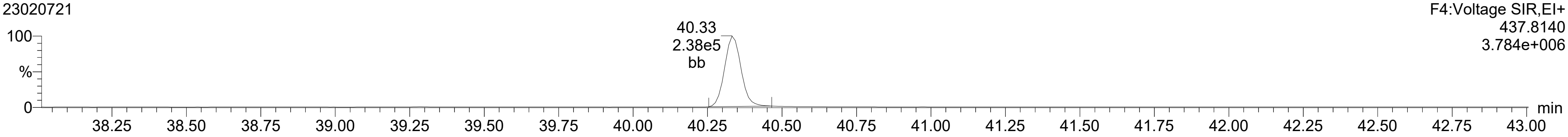

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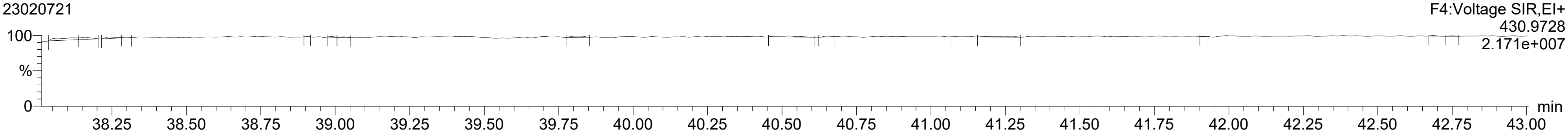

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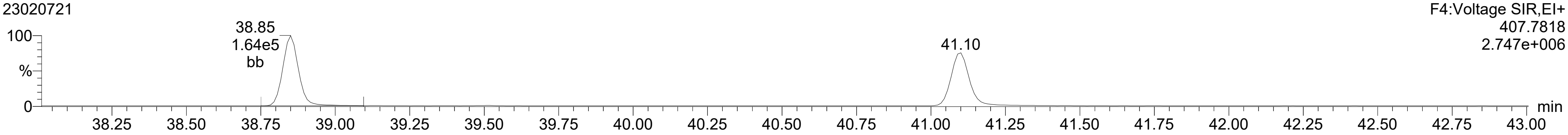

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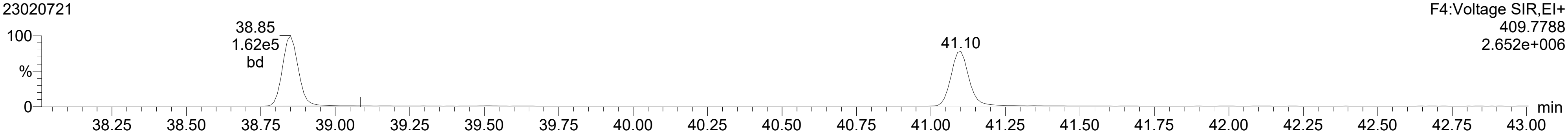

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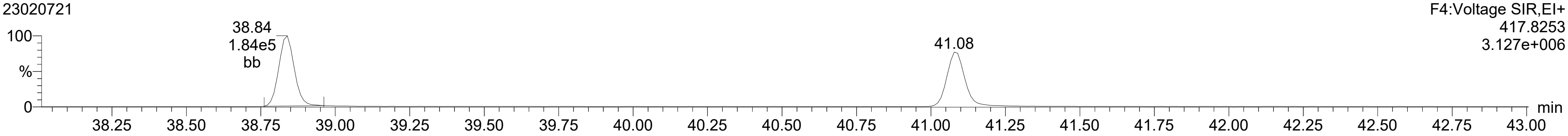

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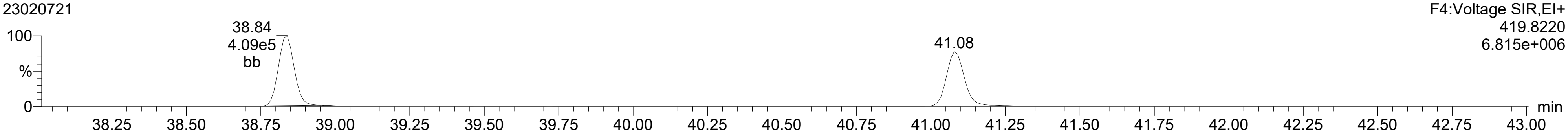

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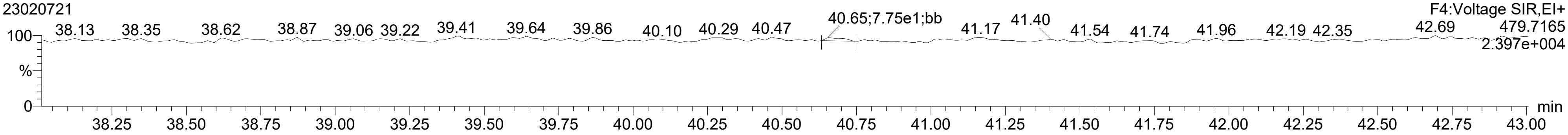

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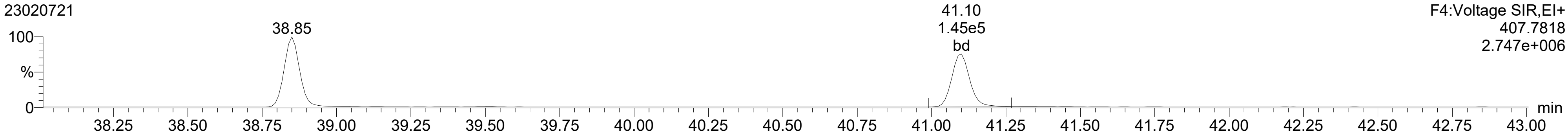

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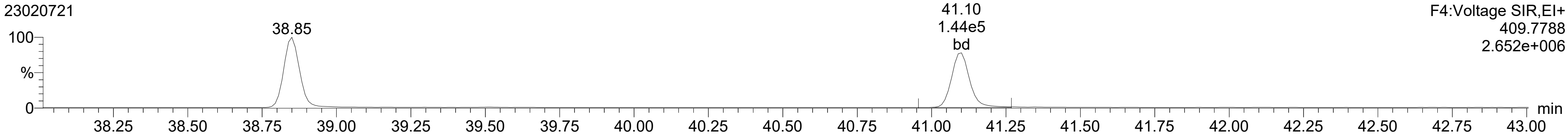

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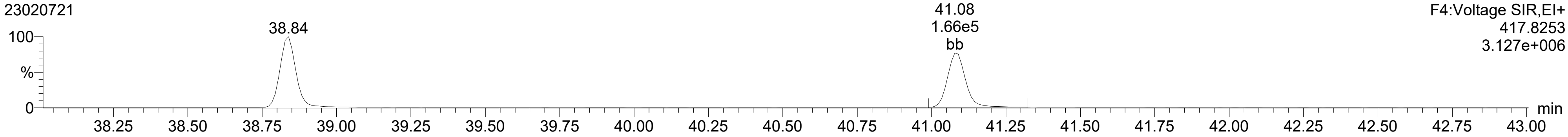

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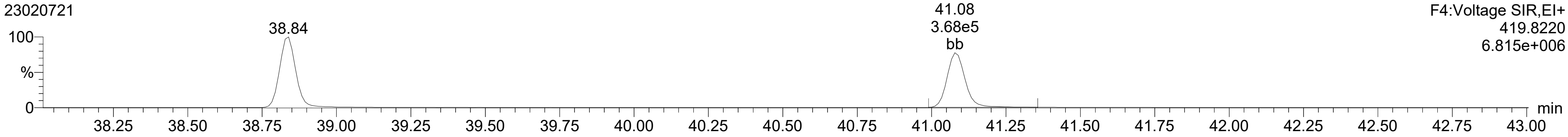

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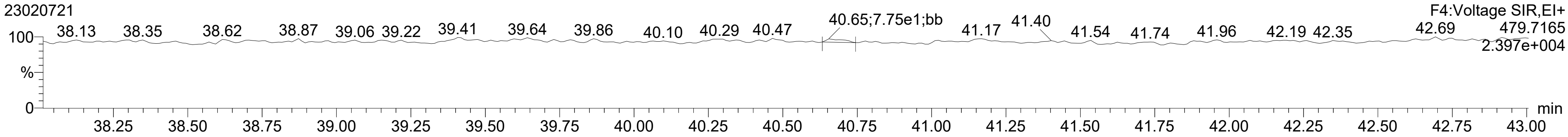

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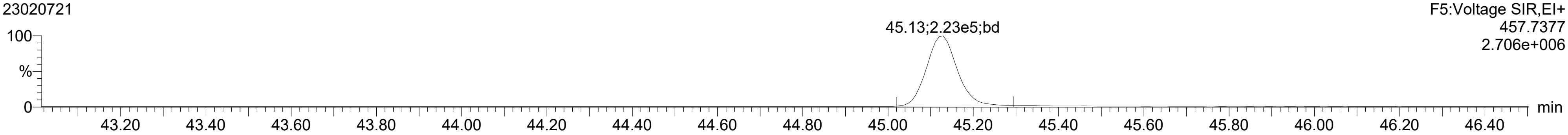

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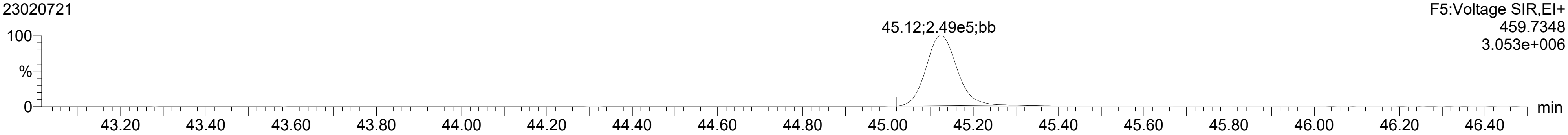

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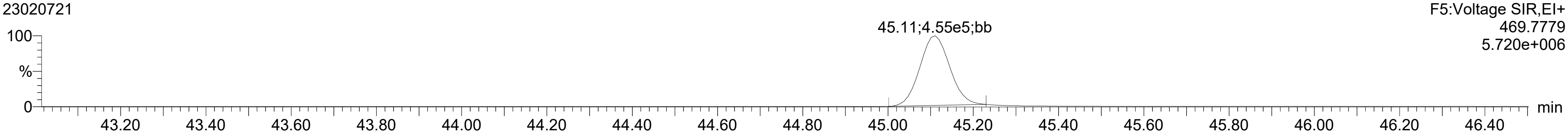

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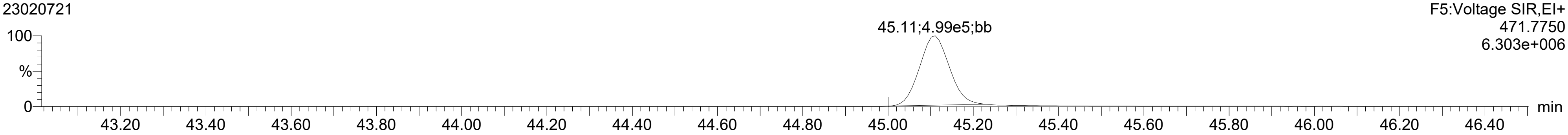

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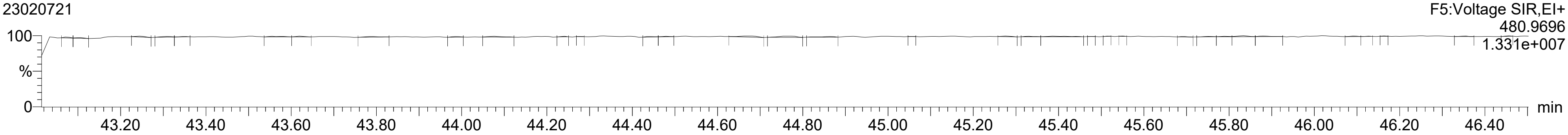

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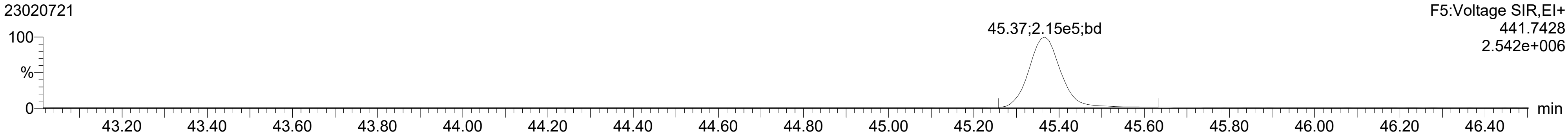

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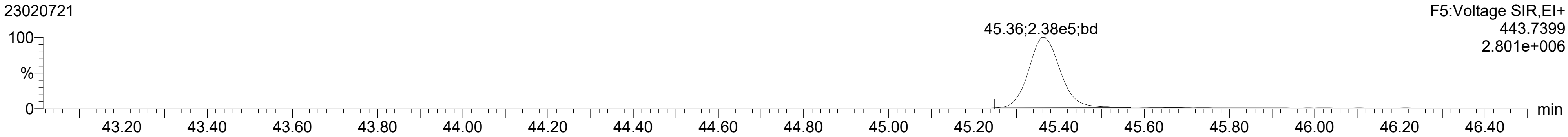

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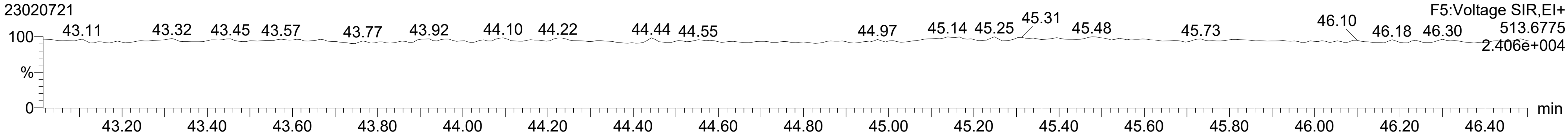

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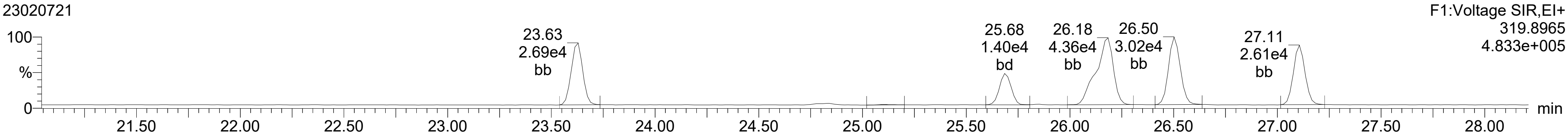

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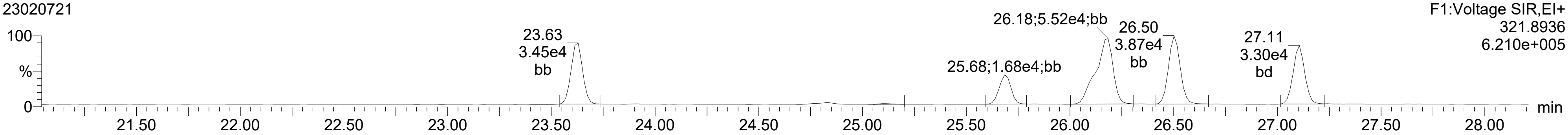

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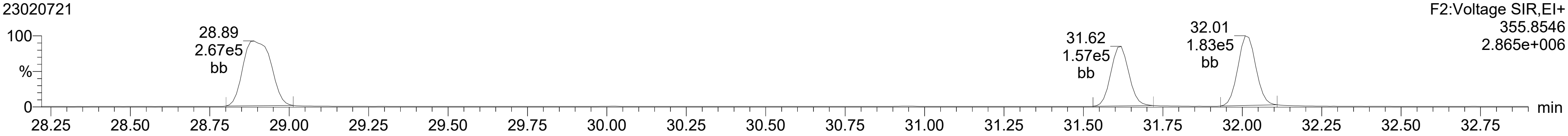

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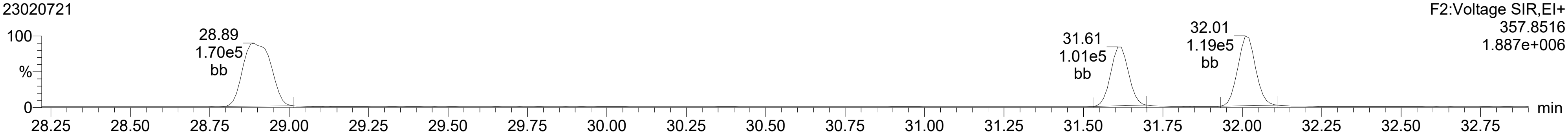

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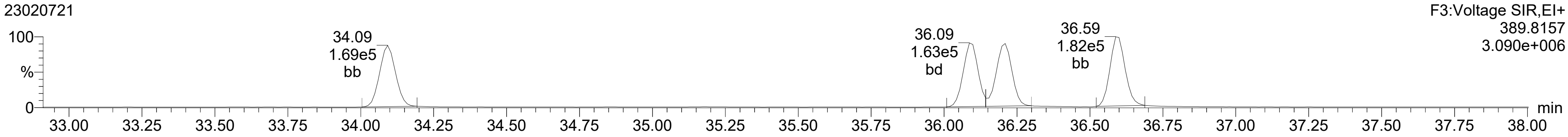

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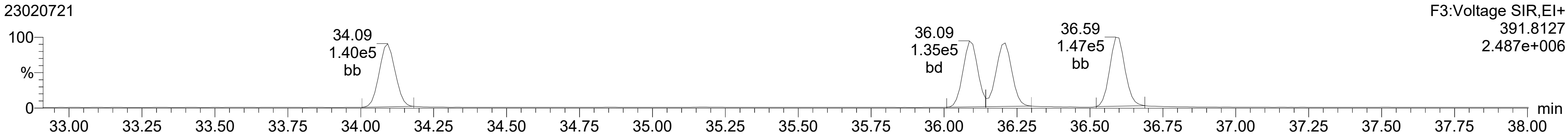

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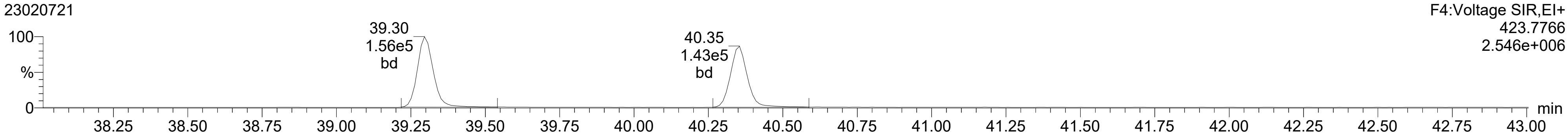

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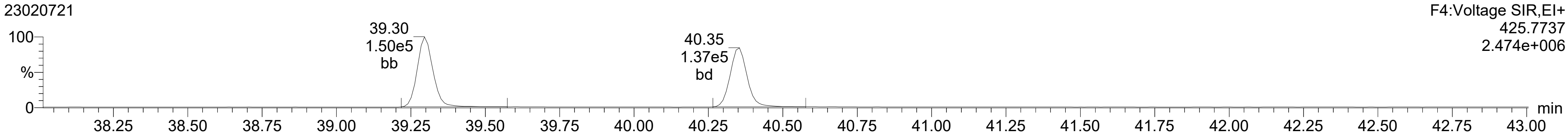

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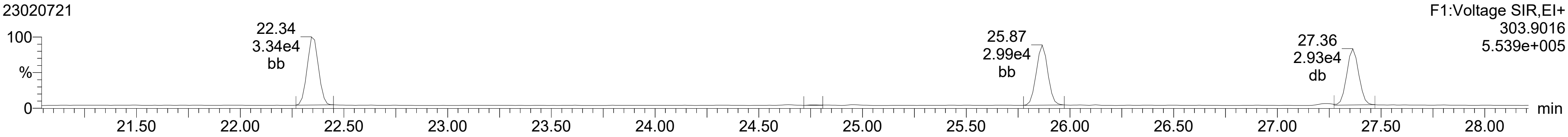

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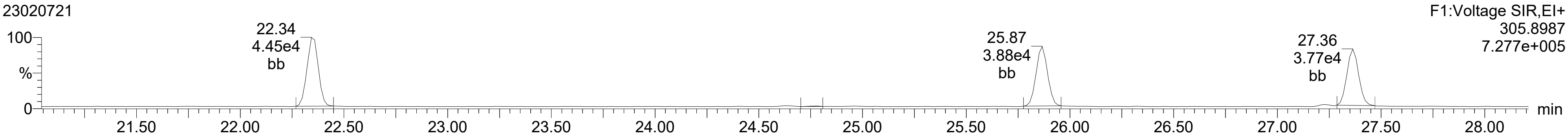

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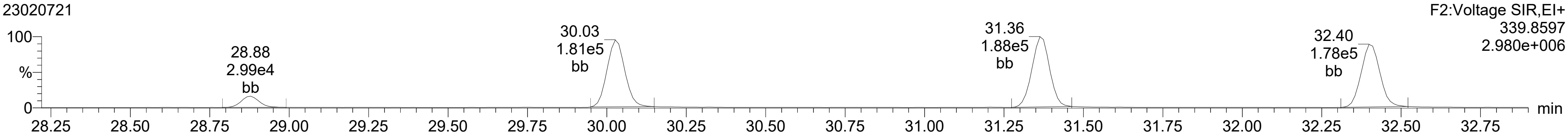

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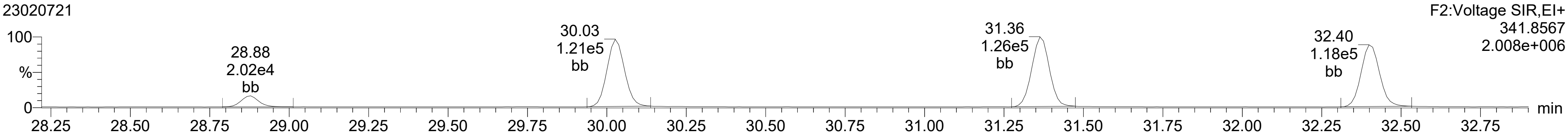

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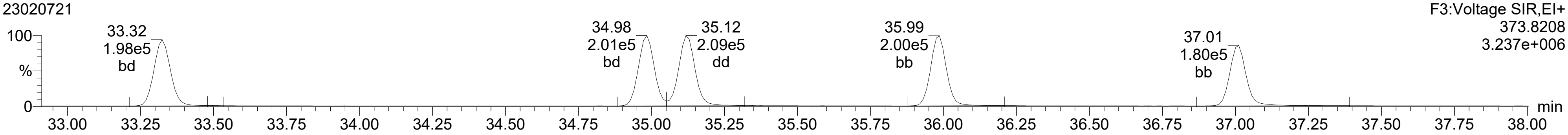

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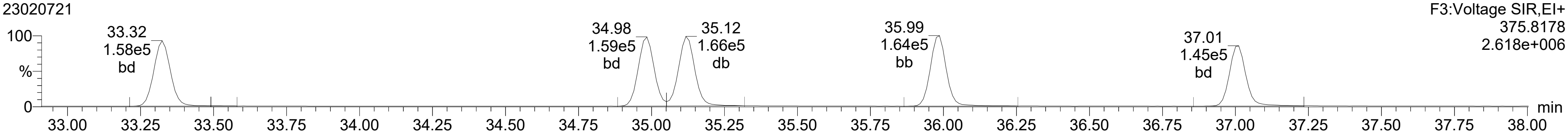

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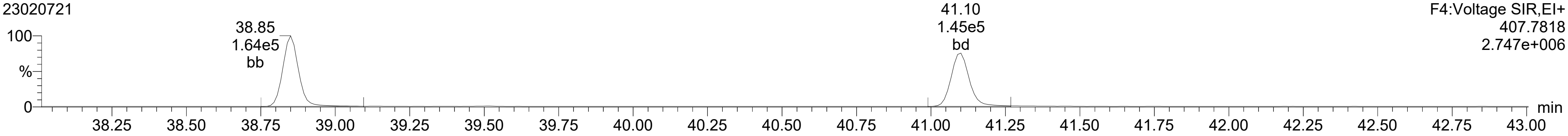

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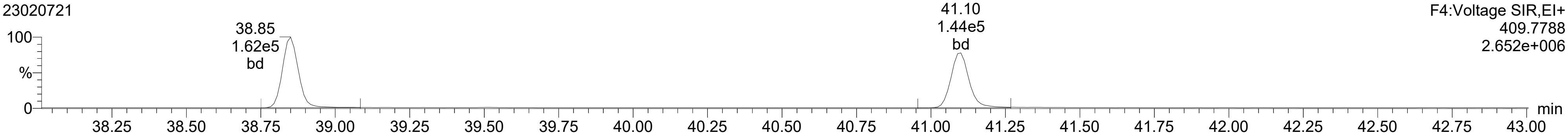

Resolution Check Report **MassLynx 4.1**

Printed: Wednesday, February 08, 2023 02:29:19 Pacific Standard Time

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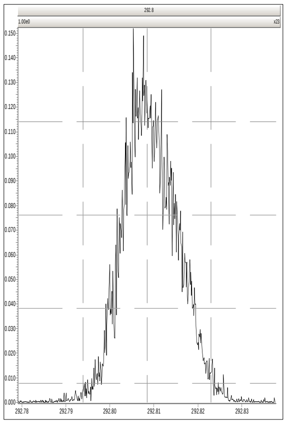

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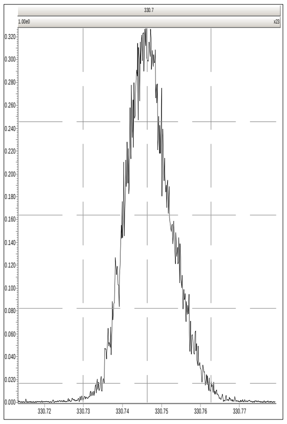

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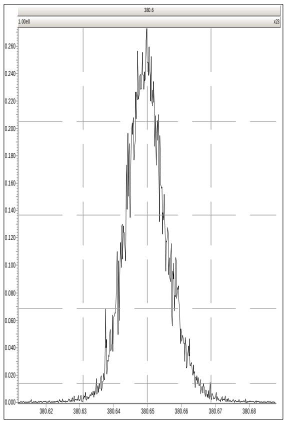

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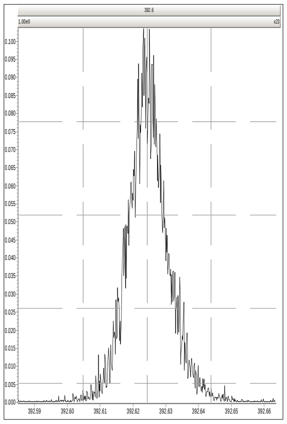

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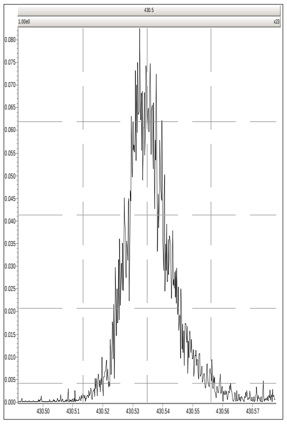

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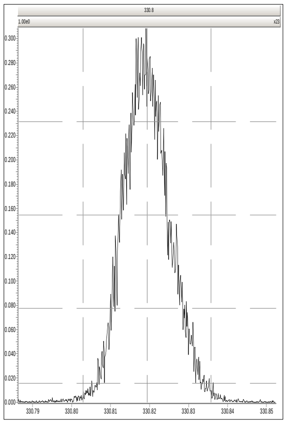
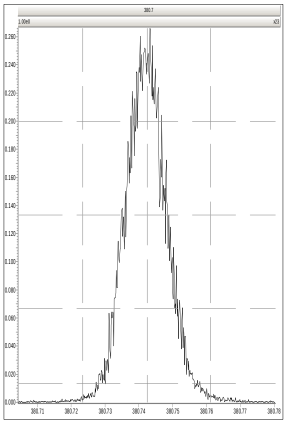
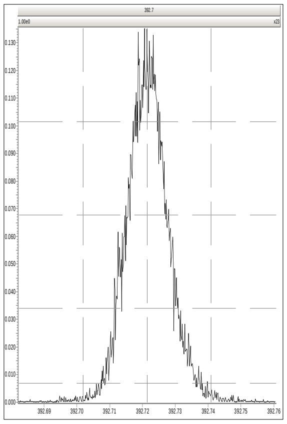


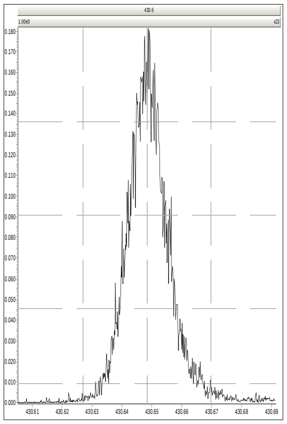
M 380.9760 R 13440



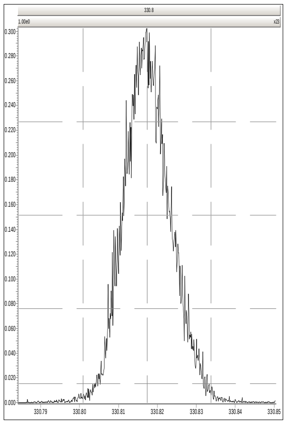
M 392.9760 R 13736



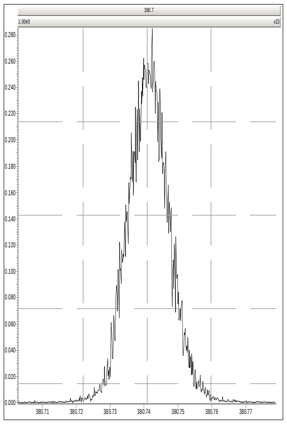
M 430.9728 R 13815



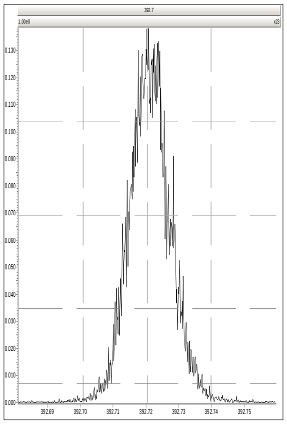
M 330.9792 R 12051



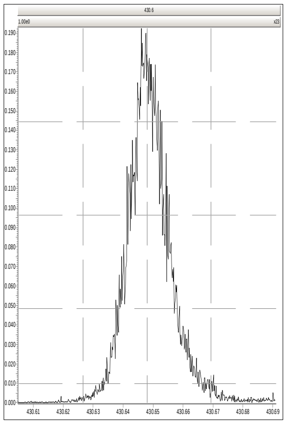
M 380.9760 R 13851



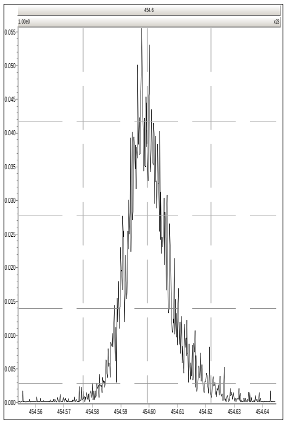
M 392.9760 R 14089



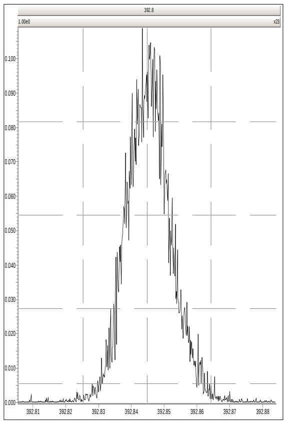
M 430.9728 R 13134



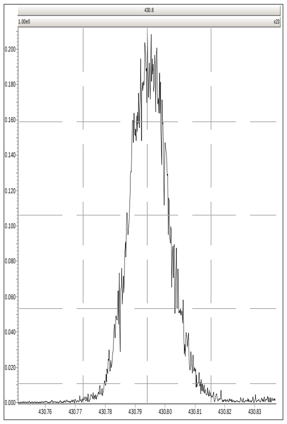
M 454.9728 R 13074



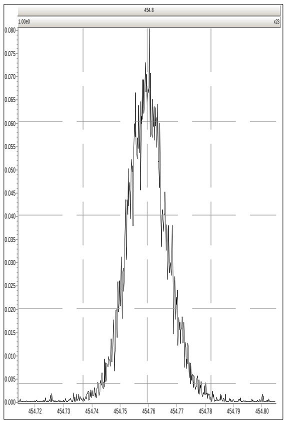
M 392.9760 R 13262



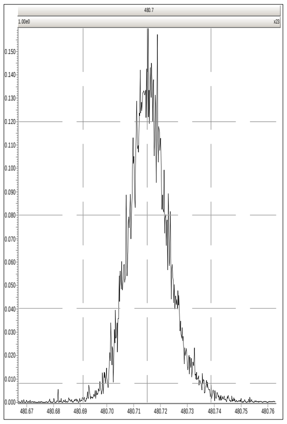
M 430.9728 R 13193



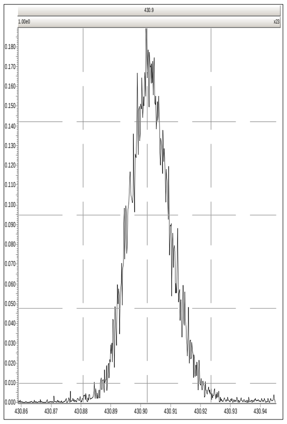
M 454.9728 R 14066



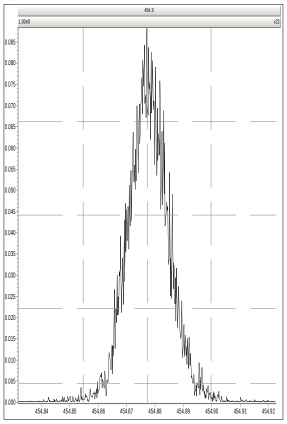
M 480.9696 R 13412



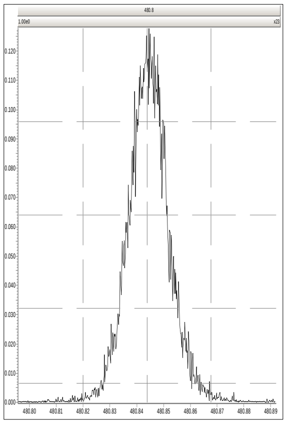
M 430.9728 R 14411



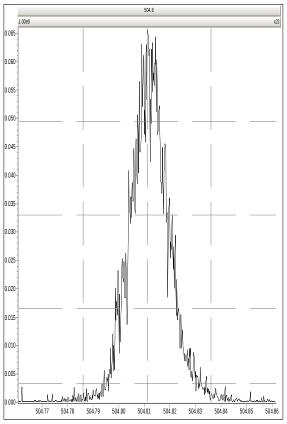
M 454.9728 R 15021



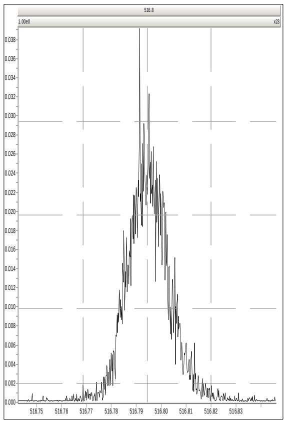
M 480.9696 R 14173

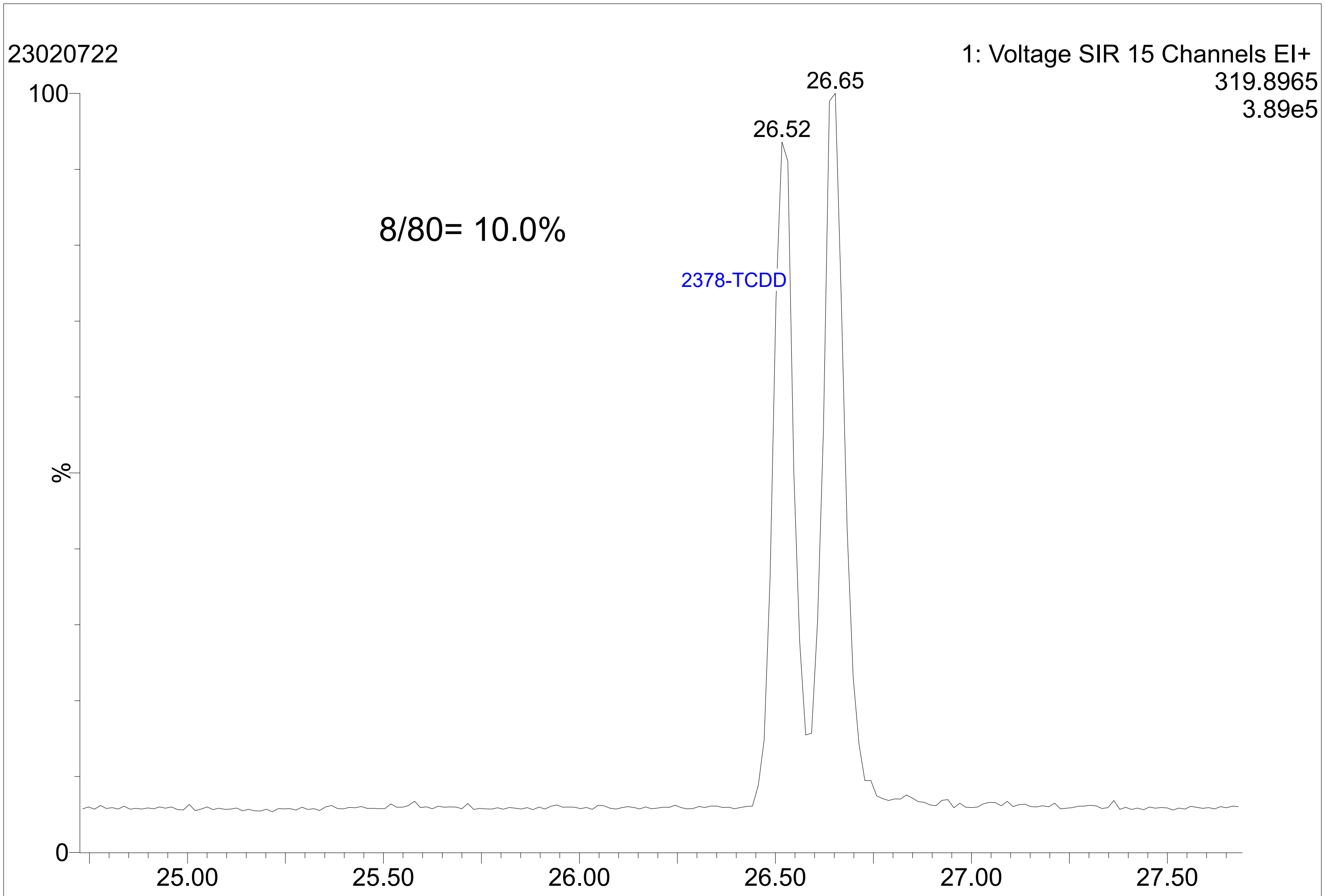


M 504.9696 R 14579

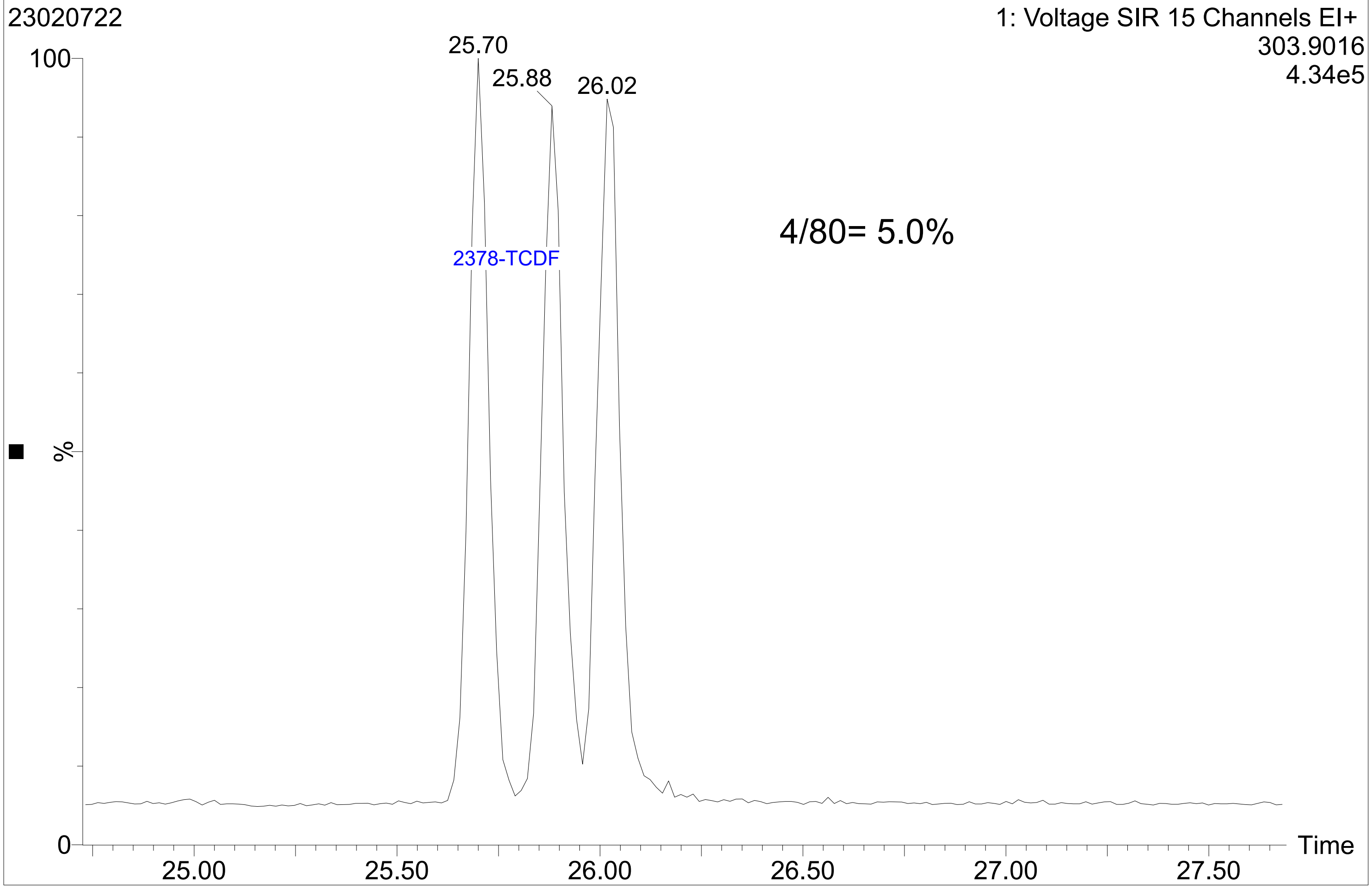


M 516.9697 R 14839





8/80= 10.0%



4/80= 5.0%

CONTINUING CALIBRATION CHECK

EPA 1613B

Laboratory: Analytical Resources, LLC
SDG: 22L0307
Client: Anchor QEA, LLC
Project: AOC4 UR Phase 3
Instrument ID: AUTOSPEC01
Calibration: GB00010
Lab File ID: 23020733
Calibration Date: 02/01/2023
Sequence: SLB0072
Injection Date: 02/08/23
Lab Sample ID: SLB0072-CCV3
Injection Time: 11:35
Sequence Name: CS3T4

		CONC. (ng/mL)		RESPONSE FACTOR (RRF)			% DRIFT/DIFF	
COMPOUND	TYPE	STD	CCV	ICAL	CCV	MIN	CCV	LIMIT
2,3,7,8-TCDF	A	10.000	9.32	0.8760604	0.8163078		-6.8	+/-16
2,3,7,8-TCDD	A	10.000	9.10	1.2363600	1.1246270		-9.0	+/-22
1,2,3,7,8-PeCDF	A	50.000	45.8	0.8446540	0.7741542		-8.3	+/-18
2,3,4,7,8-PeCDF	A	50.000	46.6	0.9111780	0.8493908		-6.8	+/-18
1,2,3,7,8-PeCDD	A	50.000	48.2	1.0866850	1.0472790		-3.6	+/-22
1,2,3,4,7,8-HxCDF	A	50.000	47.8	1.1816860	1.1297060		-4.4	+/-10
1,2,3,6,7,8-HxCDF	A	50.000	46.1	1.2480480	1.1511800		-7.8	+/-12
2,3,4,6,7,8-HxCDF	A	50.000	47.9	1.2288500	1.1770570		-4.2	+/-12
1,2,3,7,8,9-HxCDF	A	50.000	47.9	1.1865370	1.1371680		-4.2	+/-10
1,2,3,4,7,8-HxCDD	A	50.000	44.6	0.9869672	0.8811099		-10.7	+/-22
1,2,3,6,7,8-HxCDD	A	50.000	45.2	1.0207220	0.9230492		-9.6	+/-22
1,2,3,7,8,9-HxCDD	A	50.000	46.5	0.9854780	0.9166071		-7.0	+/-18
1,2,3,4,6,7,8-HpCDF	A	50.000	46.2	1.2041190	1.1121100		-7.6	+/-10
1,2,3,4,7,8,9-HpCDF	A	50.000	47.2	1.1653050	1.0996630		-5.6	+/-14
1,2,3,4,6,7,8-HpCDD	A	50.000	44.2	1.2525690	1.1061560		-11.7	+/-14
OCDF	A	100.00	84.3	1.1862640	1.0001830		-15.7	+/-37
OCDD	A	100.00	92.8	1.1026670	1.0228680		-7.2	+/-21
13C12-2,3,7,8-TCDF	A	100.00	90.3	1.7680590	1.5960653		-9.7	+/-29
13C12-2,3,7,8-TCDD	A	100.00	103	1.1029470	1.1389283		3.3	+/-18
13C12-1,2,3,7,8-PeCDF	A	100.00	98.3	1.5271250	1.5018211		-1.7	+/-24
13C12-2,3,4,7,8-PeCDF	A	100.00	95.8	1.4662840	1.4040983		-4.2	+/-23
13C12-1,2,3,7,8-PeCDD	A	100.00	102	0.9141518	0.9315333		1.9	+/-38
13C12-1,2,3,4,7,8-HxCDF	A	100.00	85.7	1.0536610	0.9026476		-14.3	+/-24
13C12-1,2,3,6,7,8-HxCDF	A	100.00	87.9	1.0799530	0.9488578		-12.1	+/-30
13C12-2,3,4,6,7,8-HxCDF	A	100.00	87.1	1.0143260	0.8834615		-12.9	+/-27
13C12-1,2,3,7,8,9-HxCDF	A	100.00	85.1	0.9279333	0.7899308		-14.9	+/-26
13C12-1,2,3,4,7,8-HxCDD	A	100.00	101	0.9329336	0.9393407		0.7	+/-15
13C12-1,2,3,6,7,8-HxCDD	A	100.00	98.7	0.9646272	0.9517011		-1.3	+/-15
13C12-1,2,3,4,6,7,8-HpCDF	A	100.00	81.2	1.0360890	0.8411297		-18.8	+/-22
13C12-1,2,3,4,7,8,9-HpCDF	A	100.00	84.1	0.9049372	0.7610092		-15.9	+/-23
13C12-1,2,3,4,6,7,8-HpCDD	A	100.00	90.4	0.7819773	0.7069767		-9.6	+/-28
13C12-OCDD	A	200.00	171	0.7882343	0.6747299		-14.4	+/-52
37Cl4-2,3,7,8-TCDD	A	10.000	8.90	1.2334500	1.0978430		-11.0	

* Values outside of QC limits

Method: T:\Autospec\Methods\Dioxin230206.mdb 07 Feb 2023 09:29:10
Calibration: T:\Autospec\Curves\230201ICIH.cdb 03 Feb 2023 10:33:40

ID: CS3T4, Name: 23020733, Date: 08-Feb-2023, Time: 11:35:35, Conditions: AUTOSPEC01, User: pk

Compound	RT	RRT	Ion1Area	Ion2Area	RRF	Ratio	Pred R	Noise 1	Noise 2	Height 1	Height 2	S/N 1	S/N 2	EMPC	Int.1	Int.2	pg
2378-TCDF	25.851	1.001	2.595e4	3.559e4	0.876	0.729	0.770	1011	964	3.80e5	5.20e5	375.6	539.5	NO	bb	bb	9.318
12378-PeCDF	30.026	1.001	1.647e5	1.099e5	0.845	1.499	1.550	1598	1774	2.55e6	1.66e6	1594.7	937.4	NO	bb	bb	45.827
23478-PeCDF	31.363	1.001	1.673e5	1.143e5	0.911	1.463	1.550	1598	1774	2.57e6	1.73e6	1605.4	973.3	NO	bb	bb	46.609
123478-HxCDF	34.973	1.000	1.704e5	1.372e5	1.182	1.242	1.240	1781	1047	2.66e6	2.14e6	1491.4	2042.5	NO	bd	bd	47.801
234678-HxCDF	35.976	1.000	1.745e5	1.392e5	1.229	1.253	1.240	1781	1047	2.67e6	2.19e6	1497.7	2095.3	NO	bb	bd	47.893
123678-HxCDF	35.118	1.001	1.844e5	1.451e5	1.248	1.271	1.240	1781	1047	2.74e6	2.16e6	1535.7	2058.4	NO	dd	dd	46.119
123789-HxCDF	37.001	1.000	1.496e5	1.214e5	1.187	1.232	1.240	1781	1047	2.29e6	1.85e6	1285.4	1769.3	NO	bd	bd	47.920
1234678-HpCDF	38.850	1.000	1.416e5	1.406e5	1.204	1.007	1.050	1328	1605	2.28e6	2.27e6	1713.2	1413.4	NO	bd	bd	46.179
1234789-HpCDF	41.090	1.000	1.274e5	1.250e5	1.165	1.019	1.050	1328	1605	1.74e6	1.75e6	1309.1	1087.9	NO	bd	bd	47.183
OCDF	45.367	1.006	1.913e5	2.158e5	1.186	0.886	0.890	1736	1046	2.24e6	2.47e6	1289.4	2358.5	NO	bd	bd	84.314
2378-TCDD	26.502	1.001	2.619e4	3.431e4	1.236	0.763	0.770	1279	1150	3.89e5	4.88e5	303.7	424.5	NO	bb	bb	9.096
12378-PeCDD	31.608	1.001	1.393e5	9.105e4	1.087	1.531	1.550	1667	1109	2.18e6	1.43e6	1309.8	1285.1	NO	bb	bb	48.187
123478-HxCDD	36.087	1.000	1.362e5	1.135e5	0.987	1.201	1.240	1259	1362	2.29e6	1.90e6	1816.1	1397.6	NO	bd	bd	44.637
123678-HxCDD	36.199	1.000	1.438e5	1.212e5	1.021	1.187	1.240	1259	1362	2.37e6	2.01e6	1884.3	1476.1	NO	db	db	45.216
123789-HxCDD	36.589	1.011	1.437e5	1.177e5	0.985	1.221	1.240	1259	1362	2.35e6	1.96e6	1869.7	1435.9	NO	bb	bb	46.506
1234678-HpCDD	40.343	1.000	1.197e5	1.163e5	1.253	1.029	1.050	1436	1222	1.76e6	1.68e6	1224.8	1373.6	NO	bd	bd	44.156
OCDD	45.129	1.000	1.970e5	2.194e5	1.103	0.898	0.890	1128	1220	2.36e6	2.66e6	2087.8	2176.6	NO	bd	bb	92.763
13C-2378-TCDF	25.836	1.007	3.313e5	4.225e5	1.768	0.784	0.770	1988	1369	5.04e6	6.45e6	2534.5	4710.8	NO	bb	bb	90.272
13C-12378-PeCDF	30.004	1.170	4.343e5	2.751e5	1.527	1.579	1.550	1901	2096	6.46e6	4.12e6	3400.2	1967.6	NO	bd	bb	98.343
13C-23478-PeCDF	31.341	1.222	4.016e5	2.616e5	1.466	1.535	1.550	1901	2096	6.09e6	3.98e6	3204.6	1898.8	NO	bb	bb	95.759
13C-123478-HxCDF	34.962	0.956	1.837e5	3.608e5	1.054	0.509	0.510	1514	2118	2.97e6	5.80e6	1963.4	2739.4	NO	bd	bd	85.668
13C-123678-HxCDF	35.096	0.959	1.947e5	3.778e5	1.080	0.515	0.510	1514	2118	3.00e6	5.95e6	1982.4	2811.2	NO	db	db	87.861
13C-234678-HxCDF	35.965	0.983	1.804e5	3.526e5	1.014	0.512	0.510	1514	2118	2.94e6	5.87e6	1940.6	2773.3	NO	bb	bb	87.098
13C-123789-HxCDF	36.990	1.011	1.599e5	3.166e5	0.928	0.505	0.510	1514	2118	2.66e6	5.19e6	1756.4	2448.8	NO	bb	bb	85.128
13C-1234678-HpCDF	38.839	1.062	1.567e5	3.508e5	1.036	0.447	0.440	1790	1881	2.61e6	5.74e6	1460.2	3053.0	NO	bb	bb	81.183
13C-1234789-HpCDF	41.078	1.123	1.420e5	3.171e5	0.905	0.448	0.440	1790	1881	2.00e6	4.44e6	1117.8	2360.5	NO	bd	bb	84.095
13C-1234-TCDD	25.655	0.000	2.074e5	2.649e5	1.000	0.783	0.770	1577	988	3.26e6	4.16e6	2065.6	4206.9	NO	bb	bb	100.000
13C-2378-TCDD	26.471	1.032	2.373e5	3.007e5	1.103	0.789	0.770	1577	988	3.67e6	4.67e6	2323.6	4722.5	NO	bb	bb	103.262
13C-12378-PeCDD	31.586	1.231	2.713e5	1.687e5	0.914	1.608	1.550	850	966	3.93e6	2.47e6	4624.1	2559.2	NO	bd	bd	101.901
13C-123478-HxCDD	36.076	0.986	3.176e5	2.492e5	0.933	1.275	1.240	1376	1452	5.18e6	4.06e6	3763.0	2794.3	NO	bd	bd	100.687
13C-123678-HxCDD	36.188	0.989	3.196e5	2.545e5	0.965	1.256	1.240	1376	1452	5.40e6	4.29e6	3924.1	2956.1	NO	db	db	98.660
13C-1234678-HpCDD	40.332	1.103	2.263e5	2.003e5	0.782	1.130	1.050	1149	1164	3.34e6	3.03e6	2910.2	2599.9	NO	bd	bb	90.409
13C-OCDD	45.111	1.233	3.893e5	4.249e5	0.788	0.916	0.890	1594	1662	4.73e6	5.18e6	2969.4	3119.4	NO	bb	bb	171.200
13C-123789-HxCDD	36.577	0.000	3.344e5	2.689e5	1.000	1.243	1.240	1376	1452	5.46e6	4.35e6	3969.9	2998.3	NO	bb	bb	100.000
37CL-2378-TCDD	26.486	1.032	5.185e4		1.233			1333		7.75e5		581.1			bb		8.901

ID: CS3T4, Name: 23020733, Date: 08-Feb-2023, Time: 11:35:35, Conditions: AUTOSPEC01, User: pk

Compound	RT	RRT	Ion1Area	Ion2Area	RRF	Ratio	Pred R	Noise 1	Noise 2	Height 1	Height 2	S/N 1	S/N 2	EMPC	Int.1	Int.2	pg
1368-TCDF	22.344	0.865	2.874e4	3.783e4	1.064	0.760	0.770	1011	964	4.55e5	5.89e5	450.2	610.4	NO	bb	bb	8.296
1289-TCDF	27.348	1.059	2.517e4	3.285e4	0.858	0.766	0.770	1011	964	3.58e5	4.71e5	353.8	488.9	NO	db	db	8.975
13468-PECDF	27.212	0.907	2.244e5	1.469e5	1.013	1.528	1.550	721	1118	3.48e6	2.26e6	4825.2	2023.9	NO	bb	bb	51.665
12389-PECDF	32.399	1.080	1.582e5	1.060e5	0.844	1.493	1.550	1598	1774	2.29e6	1.54e6	1431.2	865.5	NO	bb	bb	44.146
123468-HXCDF	33.324	0.953	1.725e5	1.391e5	1.197	1.240	1.240	1781	1047	2.55e6	2.04e6	1430.3	1943.3	NO	bb	bb	47.789
1368-TCDD	23.614	0.892	2.431e4	3.146e4	1.084	0.773	0.770	1279	1150	3.80e5	4.94e5	297.1	429.8	NO	bb	bb	9.560
1289-TCDD	27.091	1.023	2.271e4	2.943e4	0.975	0.772	0.770	1279	1150	3.22e5	4.40e5	251.5	382.6	NO	bd	bb	9.940
12479-PECDD	28.879	0.914	2.336e5	1.521e5	1.837	1.536	1.550	1667	1109	2.33e6	1.49e6	1396.3	1345.9	NO	bb	bb	47.715
12389-PECDD	32.009	1.013	1.605e5	1.044e5	1.252	1.538	1.550	1667	1109	2.43e6	1.60e6	1457.6	1444.0	NO	bb	bb	48.067
124679-HXCDD	34.082	0.945	1.433e5	1.180e5	1.033	1.214	1.240	1259	1362	2.21e6	1.81e6	1755.1	1330.9	NO	bb	bb	44.638
1234679-HPCDD	39.296	0.974	1.318e5	1.267e5	1.286	1.040	1.050	1436	1222	2.05e6	1.97e6	1429.7	1613.1	NO	bd	bd	47.135
Total-tetrafurans			8.037e4		0.933			1011		1.20e6							26.757
Total-penta1			2.244e5					721		3.48e6							51.665
Total-pentafurans			5.162e5		0.866			1598		7.80e6							143.918
Total-hexafurans			8.514e5		1.208			1781		1.29e7							237.521
Total-heptafurans			2.692e5		1.185			1328		4.02e6							93.434
Total-Furans			2.133e6		1.067			1011		3.16e7							637.609
Total-tetradioxins			1.252e5		1.099			1279		1.69e6							48.306
Total-pentadioxins			5.334e5		1.392			1667		6.94e6							143.969
Total-hexadioxins			5.670e5		1.007			1259		9.22e6							180.996
Total-heptadioxins			2.515e5		1.269			1436		3.81e6							91.291
Total-Dioxins			1.674e6		1.165			1279		2.40e7							557.325
Total-TEQ			3.807e6					1279		5.56e7							1194.935
FUNCTION1 PFK			0.000e0					793780		0.00e0							
FUNCTION2 PFK			2.735e5					366736		9.42e6							0.000
FUNCTION3 PFK			2.458e5					325510		6.97e6							0.000
FUNCTION4 PFK			0.000e0					196590		0.00e0							
FUNCTION5 PFK			7.096e4					116348		2.59e6							
FUNCTION1 HXCD...			4.601e2					668		5.59e3							0.000
FUNCTION1 HPCD...			4.907e2					687		7.15e3							0.000
FUNCTION2 HPCD...			5.211e2					937		8.72e3							0.000
FUNCTION3 OCDPE			7.760e1					700		1.58e3							0.000
FUNCTION4 NCDPE			1.116e2					686		1.57e3							0.000
FUNCTION5 DCDPE			7.691e1					539		1.55e3							0.000

Method: T:\Autospec\Methods\Dioxin230206.mdb 07 Feb 2023 09:29:10
Calibration: T:\Autospec\Curves\230201ICIH.cdb 03 Feb 2023 10:33:40

ID: CS3T4, Name: 23020733, Date: 08-Feb-2023, Time: 11:35:35, Conditions: AUTOSPEC01, User: pk

TF

	Compound	RT	Ion1Area	Ion2Area	RRF	Ratio	Pred R	S/N 1	SNFlag	EMPC	Int.1	Int.2	pg
1	1289-TCDF	27.35	2.517e4	3.285e4	0.858	0.77	0.77	353.8	YES	NO	db	db	8.975
2	Total-tetrafurans	27.21	5.045e2	6.815e2	0.933	0.74	0.77	7.4	YES	NO	bd	bd	0.169
3	2378-TCDF	25.85	2.595e4	3.559e4	0.876	0.73	0.77	375.6	YES	NO	bb	bb	9.318
4	1368-TCDF	22.34	2.874e4	3.783e4	1.064	0.76	0.77	450.2	YES	NO	bb	bb	8.296

PP

	Compound	RT	Ion1Area	Ion2Area	RRF	Ratio	Pred R	S/N 1	SNFlag	EMPC	Int.1	Int.2	pg
1	13468-PECDF	27.21	2.244e5	1.469e5	1.013	1.53	1.55	4825.2	YES	NO	bb	bb	51.665

PF

	Compound	RT	Ion1Area	Ion2Area	RRF	Ratio	Pred R	S/N 1	SNFlag	EMPC	Int.1	Int.2	pg
1	12389-PECDF	32.40	1.582e5	1.060e5	0.844	1.49	1.55	1431.2	YES	NO	bb	bb	44.146
2	23478-PeCDF	31.36	1.673e5	1.143e5	0.911	1.46	1.55	1605.4	YES	NO	bb	bb	46.609
3	12378-PeCDF	30.03	1.647e5	1.099e5	0.845	1.50	1.55	1594.7	YES	NO	bb	bb	45.827
4	Total-pentafurans	28.87	2.598e4	1.765e4	0.866	1.47	1.55	247.2	YES	NO	bb	bb	7.336

HF

	Compound	RT	Ion1Area	Ion2Area	RRF	Ratio	Pred R	S/N 1	SNFlag	EMPC	Int.1	Int.2	pg
1	234678-HxCDF	35.98	1.745e5	1.392e5	1.229	1.25	1.24	1497.7	YES	NO	bb	bd	47.893
2	123678-HxCDF	35.12	1.844e5	1.451e5	1.248	1.27	1.24	1535.7	YES	NO	dd	dd	46.119
3	123478-HxCDF	34.97	1.704e5	1.372e5	1.182	1.24	1.24	1491.4	YES	NO	bd	bd	47.801
4	123468-HXCDF	33.32	1.725e5	1.391e5	1.197	1.24	1.24	1430.3	YES	NO	bb	bb	47.789
5	123789-HxCDF	37.00	1.496e5	1.214e5	1.187	1.23	1.24	1285.4	YES	NO	bd	bd	47.920

HPF

	Compound	RT	Ion1Area	Ion2Area	RRF	Ratio	Pred R	S/N 1	SNFlag	EMPC	Int.1	Int.2	pg
1	1234789-HpCDF	41.09	1.274e5	1.250e5	1.165	1.02	1.05	1309.1	YES	NO	bd	bd	47.183
2	Total-heptafurans	39.14	2.026e2	2.062e2	1.185	0.98	1.05	4.2	YES	NO	db	db	0.071
3	1234678-HpCDF	38.85	1.416e5	1.406e5	1.204	1.01	1.05	1713.2	YES	NO	bd	bd	46.179

ID: CS3T4, Name: 23020733, Date: 08-Feb-2023, Time: 11:35:35, Conditions: AUTOSPEC01, User: pk

Furans,TF,PP,PF,HF,HPF,OF

	Compound	RT	Ion1Area	Ion2Area	RRF	Ratio	Pred R	S/N 1	SNFlag	EMPC	Int.1	Int.2	pg
1	1289-TCDF	27.35	2.517e4	3.285e4	0.858	0.77	0.77	353.8	YES	NO	db	db	8.975
2	Total-tetrafurans	27.21	5.045e2	6.815e2	0.933	0.74	0.77	7.4	YES	NO	bd	bd	0.169
3	2378-TCDF	25.85	2.595e4	3.559e4	0.876	0.73	0.77	375.6	YES	NO	bb	bb	9.318
4	1368-TCDF	22.34	2.874e4	3.783e4	1.064	0.76	0.77	450.2	YES	NO	bb	bb	8.296
5	12389-PECDF	32.40	1.582e5	1.060e5	0.844	1.49	1.55	1431.2	YES	NO	bb	bb	44.146
6	23478-PeCDF	31.36	1.673e5	1.143e5	0.911	1.46	1.55	1605.4	YES	NO	bb	bb	46.609
7	12378-PeCDF	30.03	1.647e5	1.099e5	0.845	1.50	1.55	1594.7	YES	NO	bb	bb	45.827
8	Total-pentafurans	28.87	2.598e4	1.765e4	0.866	1.47	1.55	247.2	YES	NO	bb	bb	7.336
9	234678-HxCDF	35.98	1.745e5	1.392e5	1.229	1.25	1.24	1497.7	YES	NO	bb	bd	47.893
10	123678-HxCDF	35.12	1.844e5	1.451e5	1.248	1.27	1.24	1535.7	YES	NO	dd	dd	46.119
11	123478-HxCDF	34.97	1.704e5	1.372e5	1.182	1.24	1.24	1491.4	YES	NO	bd	bd	47.801
12	123468-HXCDF	33.32	1.725e5	1.391e5	1.197	1.24	1.24	1430.3	YES	NO	bb	bb	47.789
13	123789-HxCDF	37.00	1.496e5	1.214e5	1.187	1.23	1.24	1285.4	YES	NO	bd	bd	47.920
14	1234789-HpCDF	41.09	1.274e5	1.250e5	1.165	1.02	1.05	1309.1	YES	NO	bd	bd	47.183
15	Total-heptafurans	39.14	2.026e2	2.062e2	1.185	0.98	1.05	4.2	YES	NO	db	db	0.071
16	1234678-HpCDF	38.85	1.416e5	1.406e5	1.204	1.01	1.05	1713.2	YES	NO	bd	bd	46.179
17	OCDF	45.37	1.913e5	2.158e5	1.186	0.89	0.89	1289.4	YES	NO	bd	bd	84.314
18	13468-PECDF	27.21	2.244e5	1.469e5	1.013	1.53	1.55	4825.2	YES	NO	bb	bb	51.665

TD

	Compound	RT	Ion1Area	Ion2Area	RRF	Ratio	Pred R	S/N 1	SNFlag	EMPC	Int.1	Int.2	pg
1	1289-TCDD	27.09	2.271e4	2.943e4	0.975	0.77	0.77	251.5	YES	NO	bd	bb	9.940
2	2378-TCDD	26.50	2.619e4	3.431e4	1.236	0.76	0.77	303.7	YES	NO	bb	bb	9.096
3	Total-tetradioxins	26.17	3.941e4	4.898e4	1.099	0.80	0.77	317.9	YES	NO	bb	bb	14.957
4	Total-tetradioxins	25.67	1.214e4	1.508e4	1.099	0.80	0.77	147.2	YES	NO	bd	bb	4.606
5	Total-tetradioxins	25.10	4.082e2	4.654e2	1.099	0.88	0.77	4.6	YES	NO	bb	bb	0.148
6	1368-TCDD	23.61	2.431e4	3.146e4	1.084	0.77	0.77	297.1	YES	NO	bb	bb	9.560

PD

	Compound	RT	Ion1Area	Ion2Area	RRF	Ratio	Pred R	S/N 1	SNFlag	EMPC	Int.1	Int.2	pg
1	12389-PECDD	32.01	1.605e5	1.044e5	1.252	1.54	1.55	1457.6	YES	NO	bb	bb	48.067
2	12378-PeCDD	31.61	1.393e5	9.105e4	1.087	1.53	1.55	1309.8	YES	NO	bb	bb	48.187
3	12479-PECDD	28.88	2.336e5	1.521e5	1.837	1.54	1.55	1396.3	YES	NO	bb	bb	47.715

ID: CS3T4, Name: 23020733, Date: 08-Feb-2023, Time: 11:35:35, Conditions: AUTOSPEC01, User: pk

HD

	Compound	RT	Ion1Area	Ion2Area	RRF	Ratio	Pred R	S/N 1	SNFlag	EMPC	Int.1	Int.2	pg
1	123789-HxCDD	36.59	1.437e5	1.177e5	0.985	1.22	1.24	1869.7	YES	NO	bb	bb	46.506
2	123678-HxCDD	36.20	1.438e5	1.212e5	1.021	1.19	1.24	1884.3	YES	NO	db	db	45.216
3	123478-HxCDD	36.09	1.362e5	1.135e5	0.987	1.20	1.24	1816.1	YES	NO	bd	bd	44.637
4	124679-HXCDD	34.08	1.433e5	1.180e5	1.033	1.21	1.24	1755.1	YES	NO	bb	bb	44.638

HPD

	Compound	RT	Ion1Area	Ion2Area	RRF	Ratio	Pred R	S/N 1	SNFlag	EMPC	Int.1	Int.2	pg
1	1234679-HPCDD	39.30	1.318e5	1.267e5	1.286	1.04	1.05	1429.7	YES	NO	bd	bd	47.135
2	1234678-HpCDD	40.34	1.197e5	1.163e5	1.253	1.03	1.05	1224.8	YES	NO	bd	bd	44.156

Dioxins,TD,PD,HD,HPD,OD

	Compound	RT	Ion1Area	Ion2Area	RRF	Ratio	Pred R	S/N 1	SNFlag	EMPC	Int.1	Int.2	pg
1	1289-TCDD	27.09	2.271e4	2.943e4	0.975	0.77	0.77	251.5	YES	NO	bd	bb	9.940
2	2378-TCDD	26.50	2.619e4	3.431e4	1.236	0.76	0.77	303.7	YES	NO	bb	bb	9.096
3	Total-tetradioxins	26.17	3.941e4	4.898e4	1.099	0.80	0.77	317.9	YES	NO	bb	bb	14.957
4	Total-tetradioxins	25.67	1.214e4	1.508e4	1.099	0.80	0.77	147.2	YES	NO	bd	bb	4.606
5	Total-tetradioxins	25.10	4.082e2	4.654e2	1.099	0.88	0.77	4.6	YES	NO	bb	bb	0.148
6	1368-TCDD	23.61	2.431e4	3.146e4	1.084	0.77	0.77	297.1	YES	NO	bb	bb	9.560
7	12389-PECDD	32.01	1.605e5	1.044e5	1.252	1.54	1.55	1457.6	YES	NO	bb	bb	48.067
8	12378-PeCDD	31.61	1.393e5	9.105e4	1.087	1.53	1.55	1309.8	YES	NO	bb	bb	48.187
9	12479-PECDD	28.88	2.336e5	1.521e5	1.837	1.54	1.55	1396.3	YES	NO	bb	bb	47.715
10	123789-HxCDD	36.59	1.437e5	1.177e5	0.985	1.22	1.24	1869.7	YES	NO	bb	bb	46.506
11	123678-HxCDD	36.20	1.438e5	1.212e5	1.021	1.19	1.24	1884.3	YES	NO	db	db	45.216
12	123478-HxCDD	36.09	1.362e5	1.135e5	0.987	1.20	1.24	1816.1	YES	NO	bd	bd	44.637
13	124679-HXCDD	34.08	1.433e5	1.180e5	1.033	1.21	1.24	1755.1	YES	NO	bb	bb	44.638
14	1234679-HPCDD	39.30	1.318e5	1.267e5	1.286	1.04	1.05	1429.7	YES	NO	bd	bd	47.135
15	OCDD	45.13	1.970e5	2.194e5	1.103	0.90	0.89	2087.8	YES	NO	bd	bb	92.763
16	1234678-HpCDD	40.34	1.197e5	1.163e5	1.253	1.03	1.05	1224.8	YES	NO	bd	bd	44.156

ID: CS3T4, Name: 23020733, Date: 08-Feb-2023, Time: 11:35:35, Conditions: AUTOSPEC01, User: pk

TotalTEQ,Furans,Dioxins

	Compound	RT	Ion1Area	Ion2Area	RRF	Ratio	Pred R	S/N 1	SNFlag	EMPC	Int.1	Int.2	pg
1	1289-TCDF	27.35	2.517e4	3.285e4	0.858	0.77	0.77	353.8	YES	NO	db	db	8.975
2	Total-tetrafurans	27.21	5.045e2	6.815e2	0.933	0.74	0.77	7.4	YES	NO	bd	bd	0.169
3	2378-TCDF	25.85	2.595e4	3.559e4	0.876	0.73	0.77	375.6	YES	NO	bb	bb	9.318
4	1368-TCDF	22.34	2.874e4	3.783e4	1.064	0.76	0.77	450.2	YES	NO	bb	bb	8.296
5	12389-PECDF	32.40	1.582e5	1.060e5	0.844	1.49	1.55	1431.2	YES	NO	bb	bb	44.146
6	23478-PeCDF	31.36	1.673e5	1.143e5	0.911	1.46	1.55	1605.4	YES	NO	bb	bb	46.609
7	12378-PeCDF	30.03	1.647e5	1.099e5	0.845	1.50	1.55	1594.7	YES	NO	bb	bb	45.827
8	Total-pentafurans	28.87	2.598e4	1.765e4	0.866	1.47	1.55	247.2	YES	NO	bb	bb	7.336
9	234678-HxCDF	35.98	1.745e5	1.392e5	1.229	1.25	1.24	1497.7	YES	NO	bb	bd	47.893
10	123678-HxCDF	35.12	1.844e5	1.451e5	1.248	1.27	1.24	1535.7	YES	NO	dd	dd	46.119
11	123478-HxCDF	34.97	1.704e5	1.372e5	1.182	1.24	1.24	1491.4	YES	NO	bd	bd	47.801
12	123468-HXCDF	33.32	1.725e5	1.391e5	1.197	1.24	1.24	1430.3	YES	NO	bb	bb	47.789
13	123789-HxCDF	37.00	1.496e5	1.214e5	1.187	1.23	1.24	1285.4	YES	NO	bd	bd	47.920
14	1234789-HpCDF	41.09	1.274e5	1.250e5	1.165	1.02	1.05	1309.1	YES	NO	bd	bd	47.183
15	Total-heptafurans	39.14	2.026e2	2.062e2	1.185	0.98	1.05	4.2	YES	NO	db	db	0.071
16	1234678-HpCDF	38.85	1.416e5	1.406e5	1.204	1.01	1.05	1713.2	YES	NO	bd	bd	46.179
17	OCDF	45.37	1.913e5	2.158e5	1.186	0.89	0.89	1289.4	YES	NO	bd	bd	84.314
18	13468-PECDF	27.21	2.244e5	1.469e5	1.013	1.53	1.55	4825.2	YES	NO	bb	bb	51.665
19	1289-TCDD	27.09	2.271e4	2.943e4	0.975	0.77	0.77	251.5	YES	NO	bd	bb	9.940
20	2378-TCDD	26.50	2.619e4	3.431e4	1.236	0.76	0.77	303.7	YES	NO	bb	bb	9.096
21	Total-tetradioxins	26.17	3.941e4	4.898e4	1.099	0.80	0.77	317.9	YES	NO	bb	bb	14.957
22	Total-tetradioxins	25.67	1.214e4	1.508e4	1.099	0.80	0.77	147.2	YES	NO	bd	bb	4.606
23	Total-tetradioxins	25.10	4.082e2	4.654e2	1.099	0.88	0.77	4.6	YES	NO	bb	bb	0.148
24	1368-TCDD	23.61	2.431e4	3.146e4	1.084	0.77	0.77	297.1	YES	NO	bb	bb	9.560
25	12389-PECDD	32.01	1.605e5	1.044e5	1.252	1.54	1.55	1457.6	YES	NO	bb	bb	48.067
26	12378-PeCDD	31.61	1.393e5	9.105e4	1.087	1.53	1.55	1309.8	YES	NO	bb	bb	48.187
27	12479-PECDD	28.88	2.336e5	1.521e5	1.837	1.54	1.55	1396.3	YES	NO	bb	bb	47.715
28	123789-HxCDD	36.59	1.437e5	1.177e5	0.985	1.22	1.24	1869.7	YES	NO	bb	bb	46.506
29	123678-HxCDD	36.20	1.438e5	1.212e5	1.021	1.19	1.24	1884.3	YES	NO	db	db	45.216
30	123478-HxCDD	36.09	1.362e5	1.135e5	0.987	1.20	1.24	1816.1	YES	NO	bd	bd	44.637
31	124679-HXCDD	34.08	1.433e5	1.180e5	1.033	1.21	1.24	1755.1	YES	NO	bb	bb	44.638
32	1234679-HPCDD	39.30	1.318e5	1.267e5	1.286	1.04	1.05	1429.7	YES	NO	bd	bd	47.135
33	OCDD	45.13	1.970e5	2.194e5	1.103	0.90	0.89	2087.8	YES	NO	bd	bb	92.763
34	1234678-HpCDD	40.34	1.197e5	1.163e5	1.253	1.03	1.05	1224.8	YES	NO	bd	bd	44.156

ID: CS3T4, Name: 23020733, Date: 08-Feb-2023, Time: 11:35:35, Conditions: AUTOSPEC01, User: pk

PFK1

	Compound	RT	Ion1Area	Ion2Area	RRF	Ratio	Pred R	S/N 1	SNFlag	EMPC	Int.1	Int.2	pg
1													

PFK2

	Compound	RT	Ion1Area	Ion2Area	RRF	Ratio	Pred R	S/N 1	SNFlag	EMPC	Int.1	Int.2	pg
1	FUNCTION2 PFK	29.03	5.657e3					1.0	NO		db		0.000
2	FUNCTION2 PFK	29.00	1.642e4					1.7	NO		dd		0.000
3	FUNCTION2 PFK	28.97	2.914e3					0.6	NO		bd		0.000
4	FUNCTION2 PFK	28.76	5.101e3					0.9	NO		bb		0.000
5	FUNCTION2 PFK	28.40	9.036e3					0.8	NO		bb		0.000
6	FUNCTION2 PFK	28.32	1.892e4					1.8	NO		bb		0.000
7	FUNCTION2 PFK	32.19	7.583e3					1.0	NO		bb		0.000
8	FUNCTION2 PFK	31.98	1.453e4					1.3	NO		db		0.000
9	FUNCTION2 PFK	31.91	1.204e4					0.9	NO		bd		0.000
10	FUNCTION2 PFK	31.47	8.812e3					1.2	NO		db		0.000
11	FUNCTION2 PFK	31.44	4.255e3					0.6	NO		bd		0.000
12	FUNCTION2 PFK	31.37	2.130e4					1.5	NO		bb		0.000
13	FUNCTION2 PFK	30.76	2.662e3					0.7	NO		bb		0.000
14	FUNCTION2 PFK	30.65	4.052e4					1.8	NO		bb		0.000
15	FUNCTION2 PFK	30.55	2.891e4					1.8	NO		bb		0.000
16	FUNCTION2 PFK	30.41	2.278e4					1.4	NO		bb		0.000
17	FUNCTION2 PFK	30.17	1.926e3					0.5	NO		bb		0.000
18	FUNCTION2 PFK	30.12	6.021e3					0.9	NO		bb		0.000
19	FUNCTION2 PFK	29.73	5.436e3					0.7	NO		bb		0.000
20	FUNCTION2 PFK	29.47	2.284e3					0.6	NO		bb		0.000
21	FUNCTION2 PFK	29.30	4.737e3					0.7	NO		bb		0.000
22	FUNCTION2 PFK	29.26	1.755e3					0.4	NO		bb		0.000
23	FUNCTION2 PFK	32.78	1.881e3					0.5	NO		bb		0.000
24	FUNCTION2 PFK	32.71	1.577e4					1.0	NO		bb		0.000
25	FUNCTION2 PFK	32.51	9.995e3					1.1	NO		bb		0.000
26	FUNCTION2 PFK	32.47	2.247e3					0.6	NO		bb		0.000

ID: CS3T4, Name: 23020733, Date: 08-Feb-2023, Time: 11:35:35, Conditions: AUTOSPEC01, User: pk

PFK3

	Compound	RT	Ion1Area	Ion2Area	RRF	Ratio	Pred R	S/N 1	SNFlag	EMPC	Int.1	Int.2	pg
1	FUNCTION3 PFK	35.82	4.647e3					0.7	NO		bb		0.000
2	FUNCTION3 PFK	35.59	1.633e4					1.5	NO		bb		0.000
3	FUNCTION3 PFK	34.76	2.289e4					1.3	NO		bb		0.000
4	FUNCTION3 PFK	34.10	6.463e3					0.8	NO		db		0.000
5	FUNCTION3 PFK	34.01	3.193e4					2.0	NO		bd		0.000
6	FUNCTION3 PFK	33.69	1.437e4					1.2	NO		db		0.000
7	FUNCTION3 PFK	33.65	8.391e3					0.9	NO		bd		0.000
8	FUNCTION3 PFK	33.30	7.910e3					1.1	NO		db		0.000
9	FUNCTION3 PFK	33.26	4.786e3					0.7	NO		bd		0.000
10	FUNCTION3 PFK	33.06	2.792e3					0.8	NO		bb		0.000
11	FUNCTION3 PFK	33.00	4.763e4					3.7	YES		bb		0.000
12	FUNCTION3 PFK	37.91	6.257e3					0.8	NO		bb		0.000
13	FUNCTION3 PFK	37.86	8.568e3					1.0	NO		bb		0.000
14	FUNCTION3 PFK	37.37	1.482e4					0.8	NO		bb		0.000
15	FUNCTION3 PFK	37.32	2.690e3					0.7	NO		bb		0.000
16	FUNCTION3 PFK	37.28	4.414e3					0.5	NO		bb		0.000
17	FUNCTION3 PFK	36.98	7.596e3					0.7	NO		bb		0.000
18	FUNCTION3 PFK	36.90	2.386e4					0.8	NO		bb		0.000
19	FUNCTION3 PFK	36.19	4.240e3					0.7	NO		bb		0.000
20	FUNCTION3 PFK	36.06	5.168e3					0.8	NO		bb		0.000

PFK4

	Compound	RT	Ion1Area	Ion2Area	RRF	Ratio	Pred R	S/N 1	SNFlag	EMPC	Int.1	Int.2	pg
1													

ID: CS3T4, Name: 23020733, Date: 08-Feb-2023, Time: 11:35:35, Conditions: AUTOSPEC01, User: pk

PFK5

	Compound	RT	Ion1Area	Ion2Area	RRF	Ratio	Pred R	S/N 1	SNFlag	EMPC	Int.1	Int.2	pg
1	FUNCTION5 PFK	43.62	3.389e3					1.1	NO		bb		
2	FUNCTION5 PFK	43.33	1.450e3					0.7	NO		db		
3	FUNCTION5 PFK	43.29	2.064e3					0.9	NO		bd		
4	FUNCTION5 PFK	43.13	3.447e3					1.7	NO		db		
5	FUNCTION5 PFK	43.10	9.441e3					1.7	NO		bd		
6	FUNCTION5 PFK	46.36	4.308e3					1.3	NO		bb		
7	FUNCTION5 PFK	46.31	5.106e3					1.8	NO		db		
8	FUNCTION5 PFK	46.28	4.832e3					1.6	NO		bd		
9	FUNCTION5 PFK	46.01	9.302e2					0.6	NO		bb		
10	FUNCTION5 PFK	45.88	3.557e3					1.3	NO		bb		
11	FUNCTION5 PFK	45.24	1.699e3					1.0	NO		bb		
12	FUNCTION5 PFK	45.19	1.379e3					0.8	NO		db		
13	FUNCTION5 PFK	45.17	4.531e3					1.7	NO		bd		
14	FUNCTION5 PFK	45.02	1.435e4					1.7	NO		bb		
15	FUNCTION5 PFK	44.89	1.604e3					0.7	NO		bb		
16	FUNCTION5 PFK	44.35	1.308e3					0.7	NO		bb		
17	FUNCTION5 PFK	44.09	5.816e3					2.0	NO		bb		
18	FUNCTION5 PFK	43.99	1.745e3					0.9	NO		bb		

ETHERS1

	Compound	RT	Ion1Area	Ion2Area	RRF	Ratio	Pred R	S/N 1	SNFlag	EMPC	Int.1	Int.2	pg
1	FUNCTION1 HXCD...	25.84	1.640e2					1.9	NO		bd		0.000
2	FUNCTION1 HXCD...	25.16	1.056e2					2.3	NO		bb		0.000
3	FUNCTION1 HXCD...	26.20	1.105e2					2.1	NO		db		0.000
4	FUNCTION1 HXCD...	26.05	8.007e1					2.1	NO		dd		0.000

ETHERS2

	Compound	RT	Ion1Area	Ion2Area	RRF	Ratio	Pred R	S/N 1	SNFlag	EMPC	Int.1	Int.2	pg
1	FUNCTION1 HPCD...	27.85	8.181e1					1.5	NO		bb		0.000
2	FUNCTION1 HPCD...	27.23	8.323e1					1.9	NO		bb		0.000
3	FUNCTION1 HPCD...	26.65	7.423e1					2.2	NO		bb		0.000
4	FUNCTION1 HPCD...	26.08	8.787e1					1.8	NO		db		0.000
5	FUNCTION1 HPCD...	25.91	8.908e1					1.6	NO		bd		0.000
6	FUNCTION1 HPCD...	22.40	7.443e1					1.5	NO		bb		0.000

ID: CS3T4, Name: 23020733, Date: 08-Feb-2023, Time: 11:35:35, Conditions: AUTOSPEC01, User: pk

ETHERS3

	Compound	RT	Ion1Area	Ion2Area	RRF	Ratio	Pred R	S/N 1	SNFlag	EMPC	Int.1	Int.2	pg
1	FUNCTION2 HPCD...	31.17	2.680e2					4.4	YES		bb		0.000
2	FUNCTION2 HPCD...	30.85	9.332e1					1.6	NO		bb		0.000
3	FUNCTION2 HPCD...	30.10	1.598e2					3.3	YES		bb		0.000

ETHERS4

	Compound	RT	Ion1Area	Ion2Area	RRF	Ratio	Pred R	S/N 1	SNFlag	EMPC	Int.1	Int.2	pg
1	FUNCTION3 OCDPE	37.66	7.760e1					2.3	NO		bb		0.000

ETHERS5

	Compound	RT	Ion1Area	Ion2Area	RRF	Ratio	Pred R	S/N 1	SNFlag	EMPC	Int.1	Int.2	pg
1	FUNCTION4 NCDPE	41.49	1.116e2					2.3	NO		bb		0.000

ETHERS6

	Compound	RT	Ion1Area	Ion2Area	RRF	Ratio	Pred R	S/N 1	SNFlag	EMPC	Int.1	Int.2	pg
1	FUNCTION5 DCDPE	46.19	7.691e1					2.9	NO		bb		0.000

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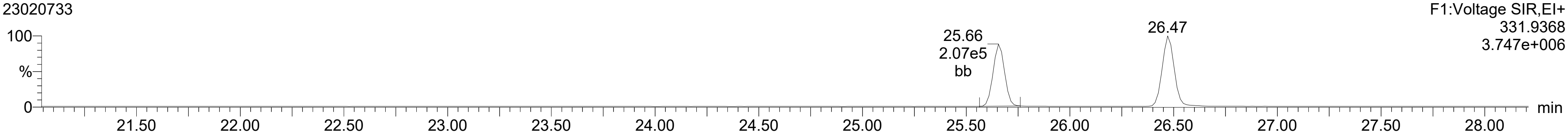

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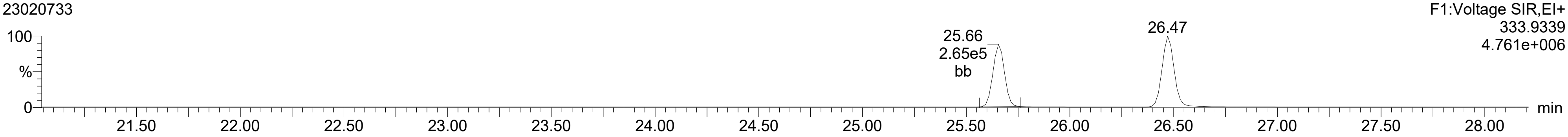

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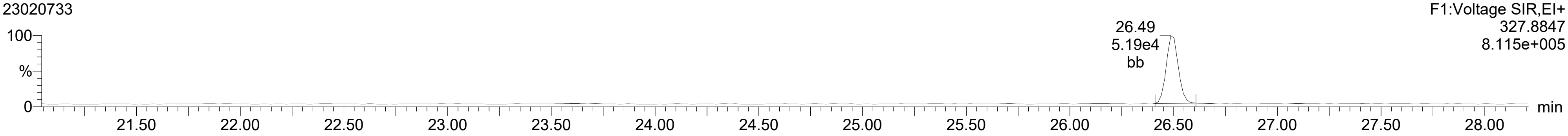

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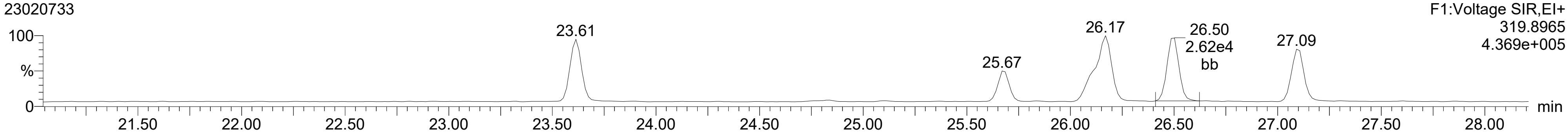

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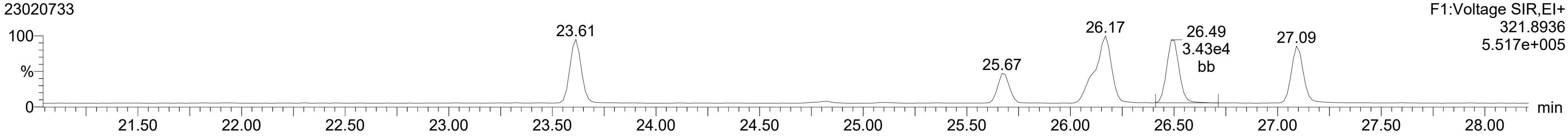

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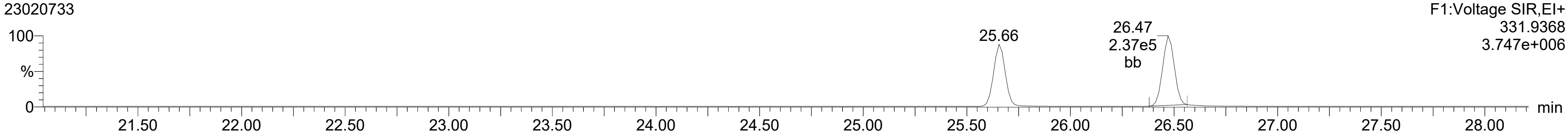

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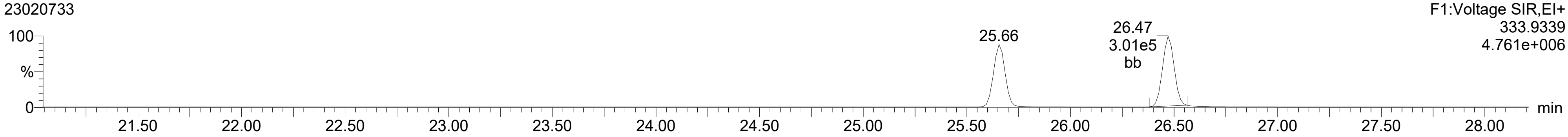

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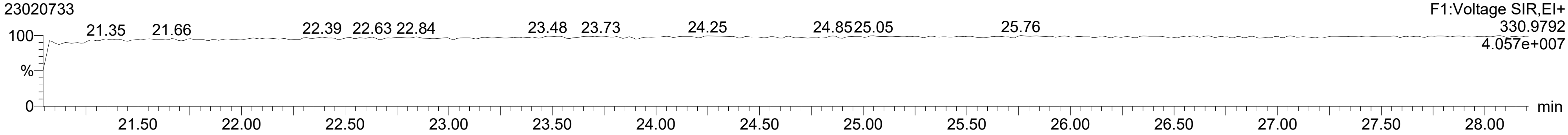

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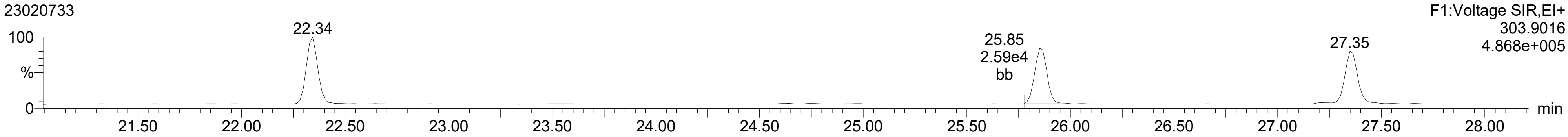

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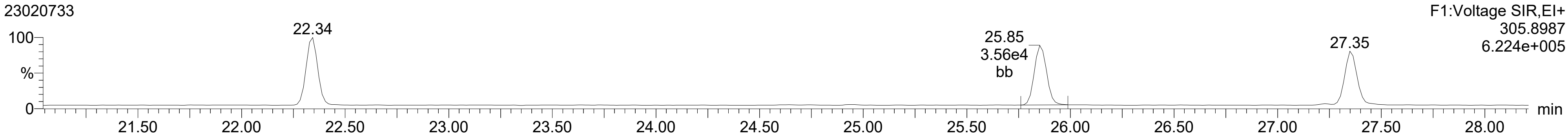

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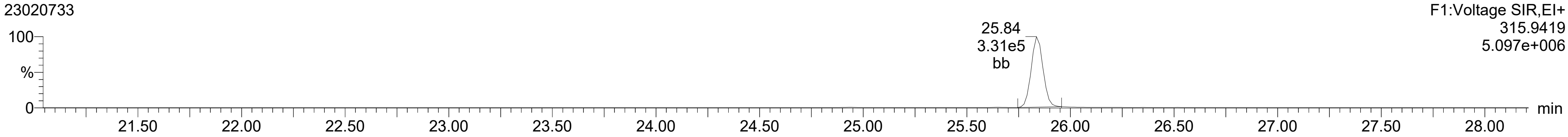

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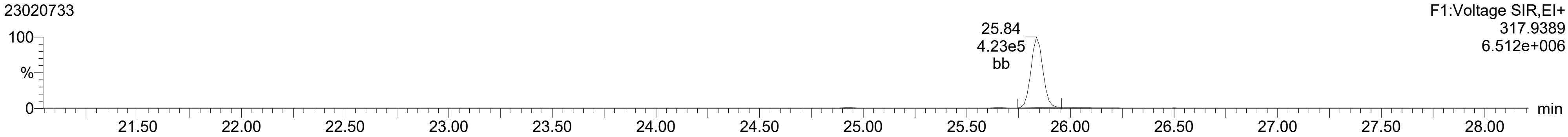
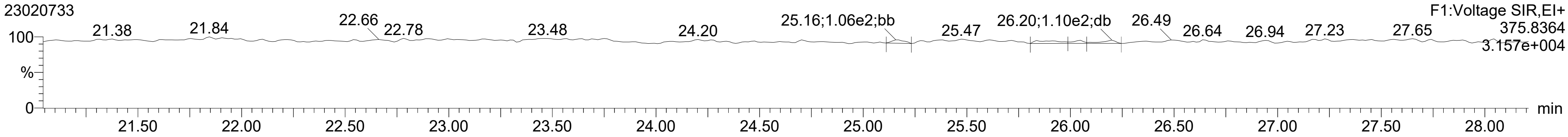


FUNCTION1 HXCDPE



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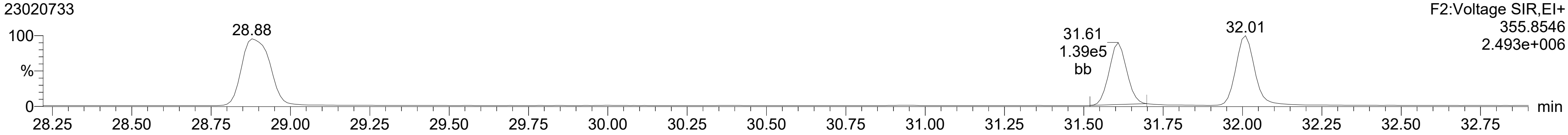
12378-PeCDD



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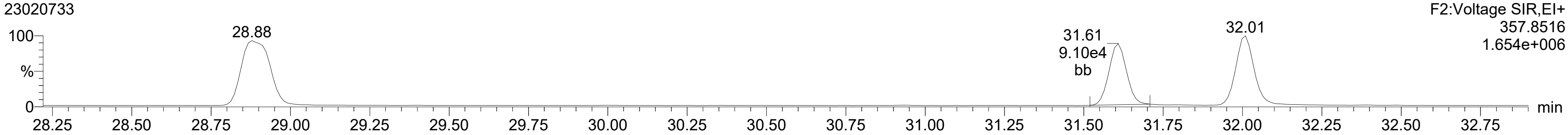

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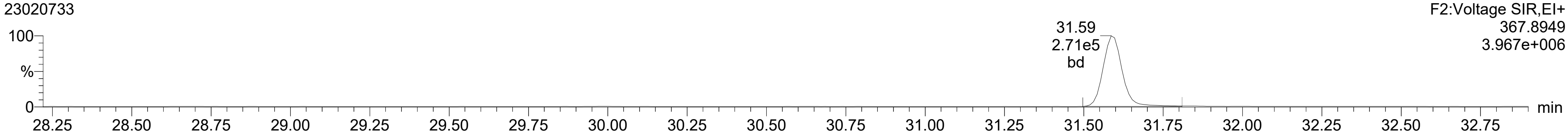

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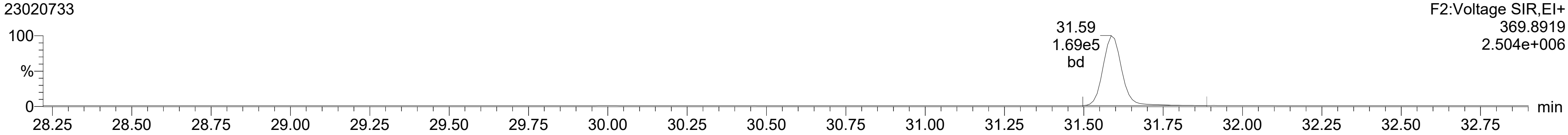

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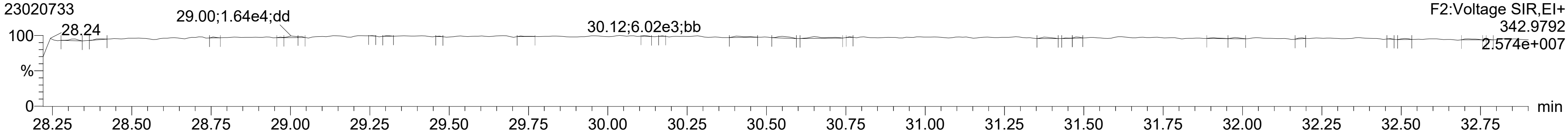

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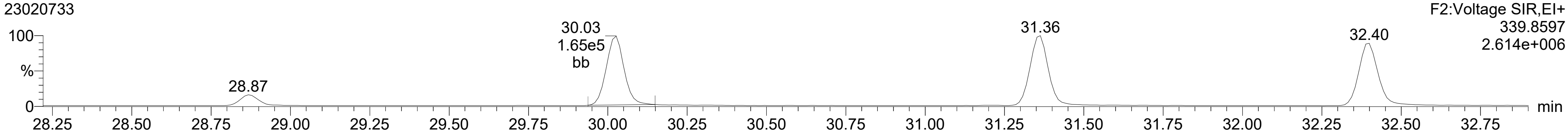

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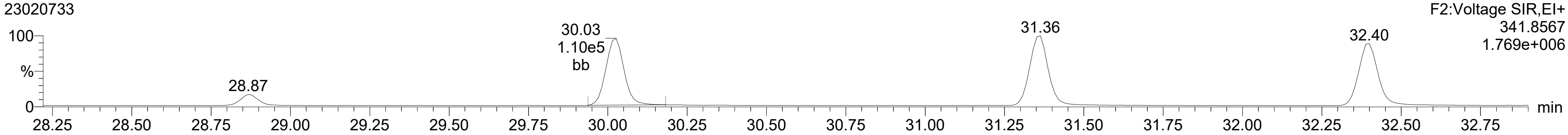

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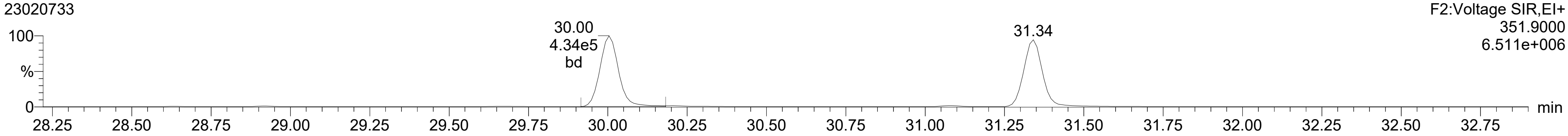

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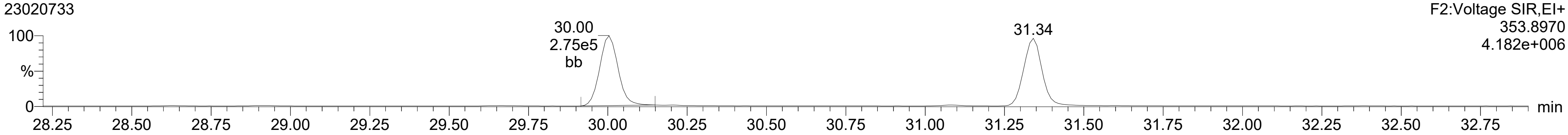

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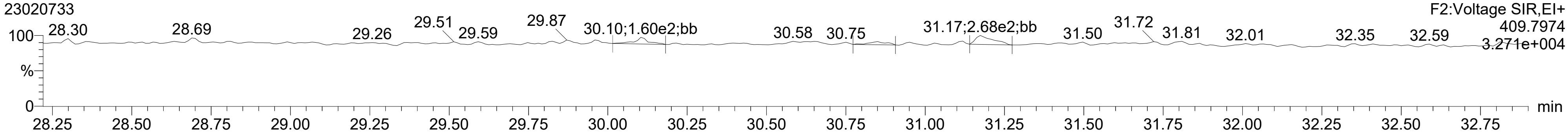

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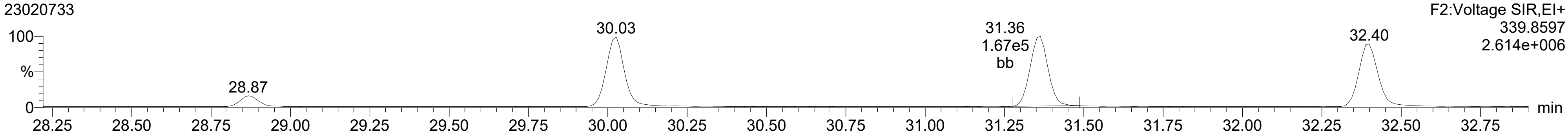

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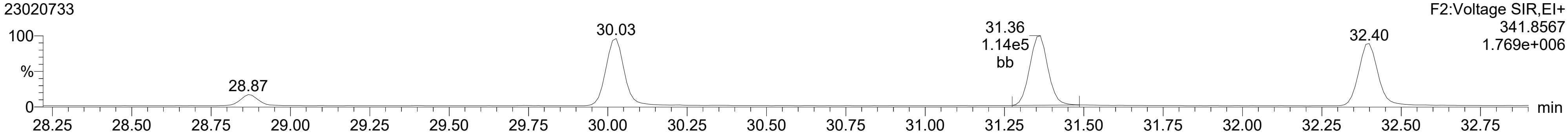

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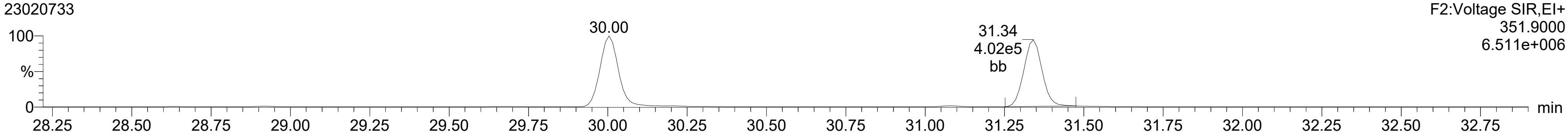

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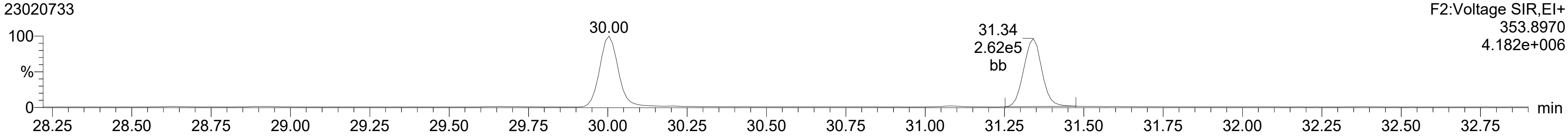

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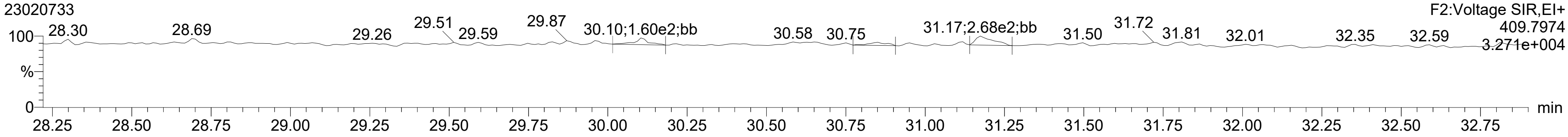

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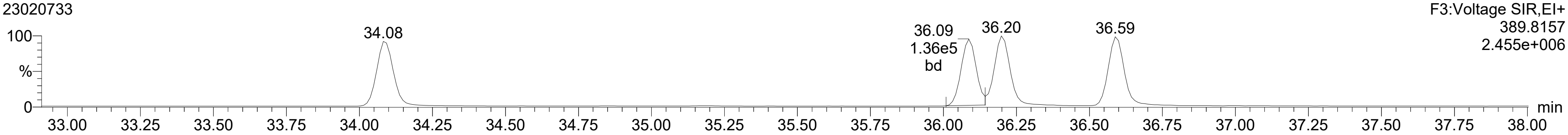

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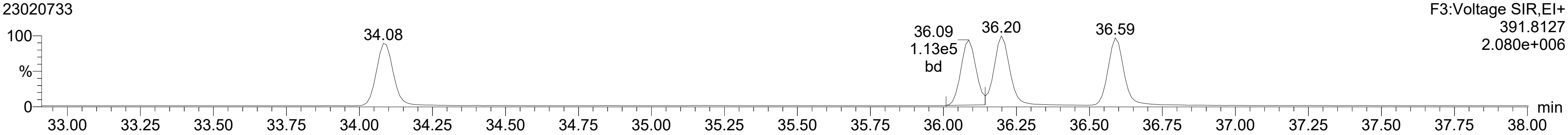

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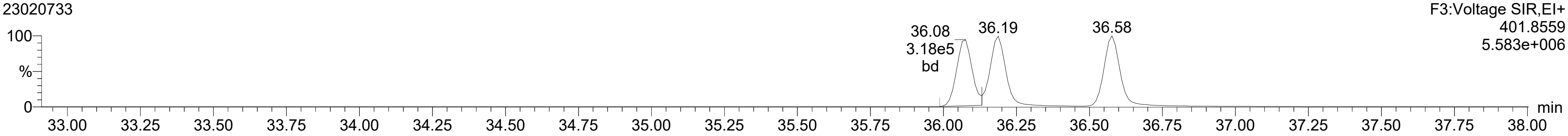

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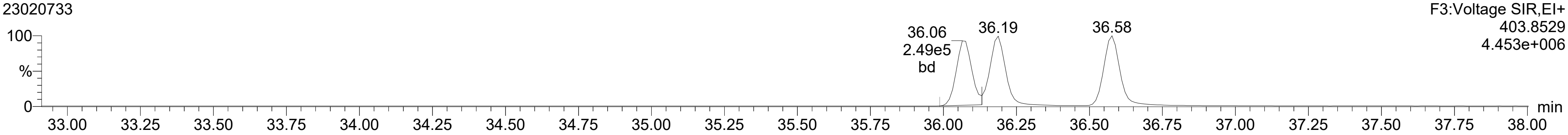

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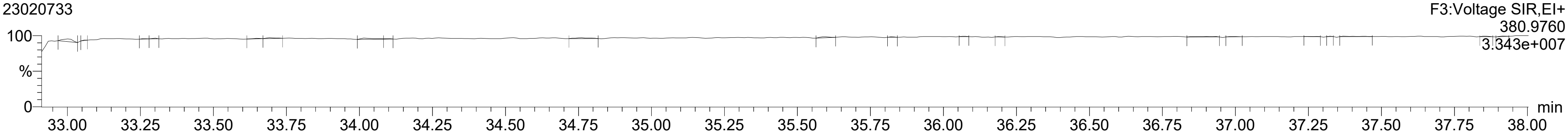

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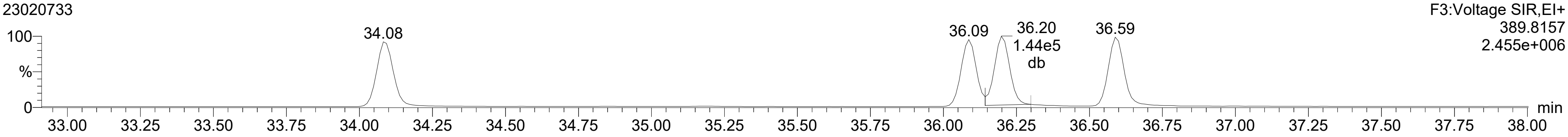

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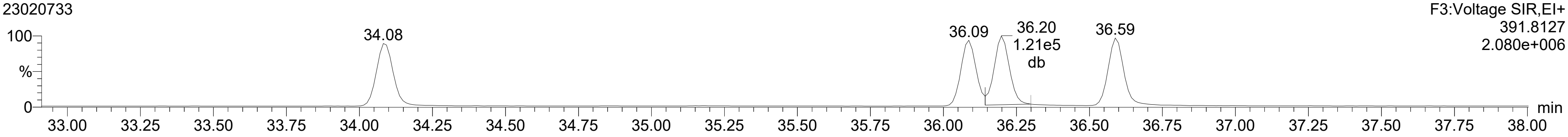

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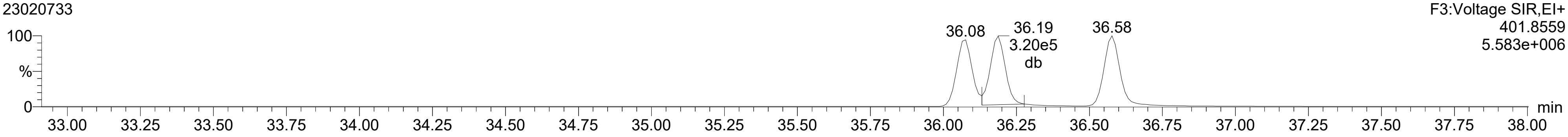

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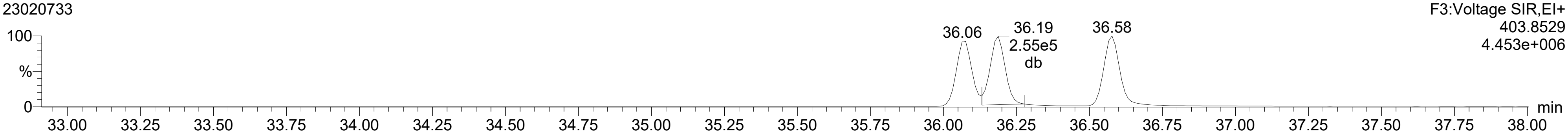

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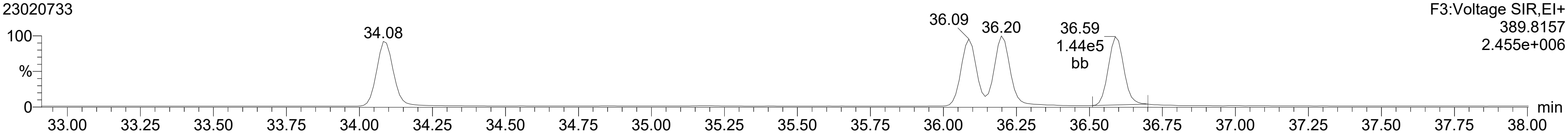

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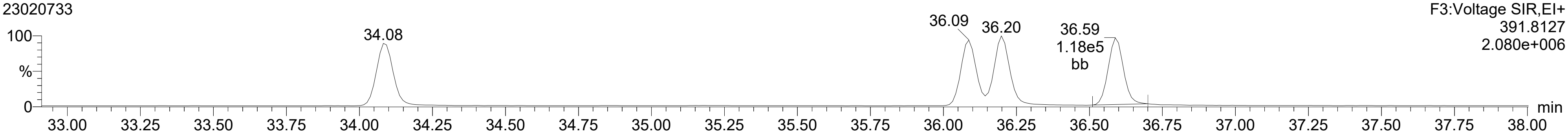

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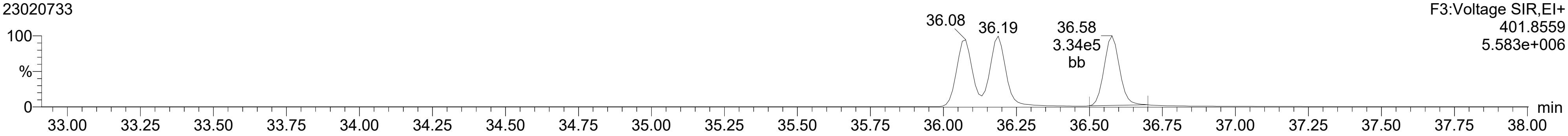

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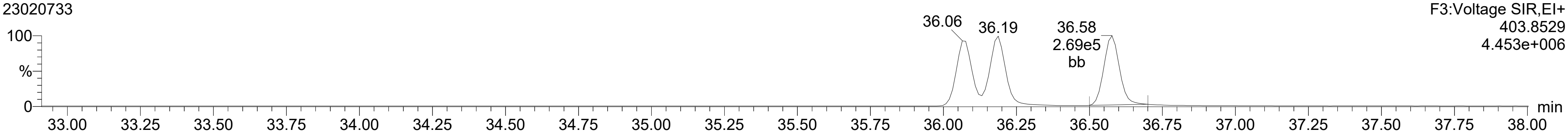

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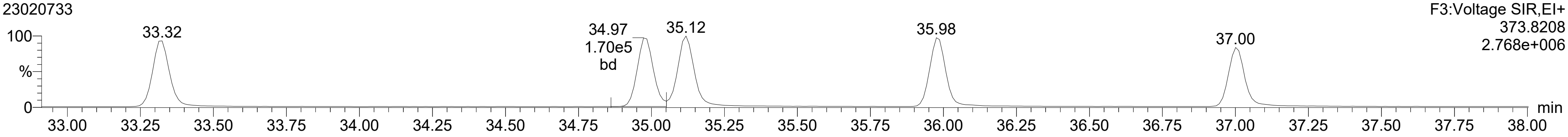

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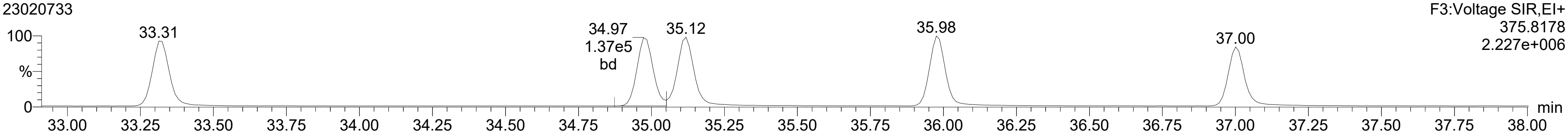

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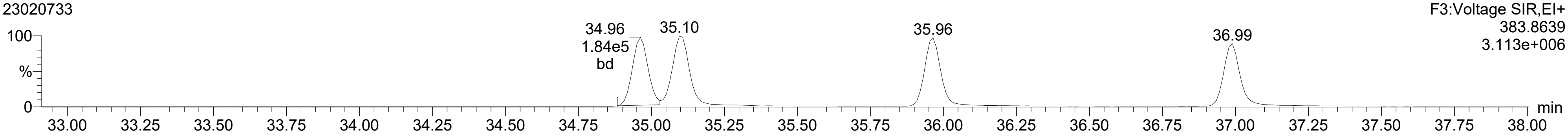

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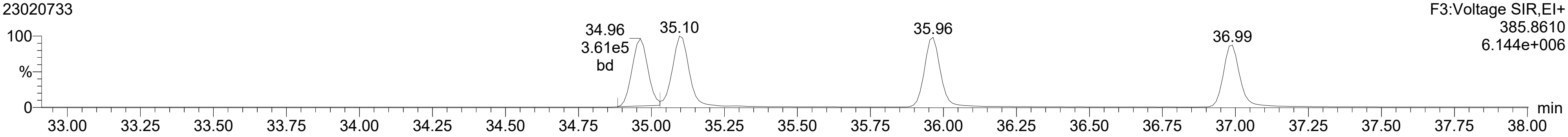

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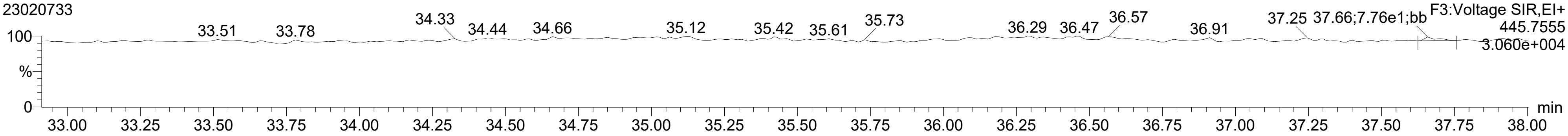

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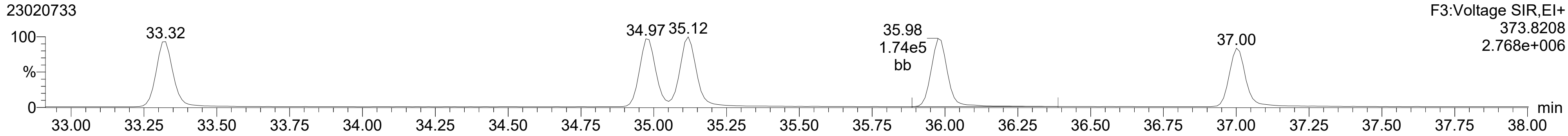

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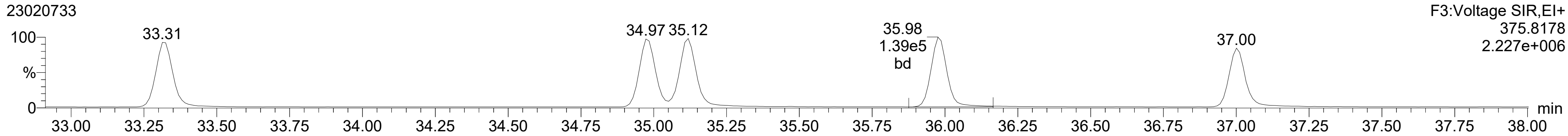

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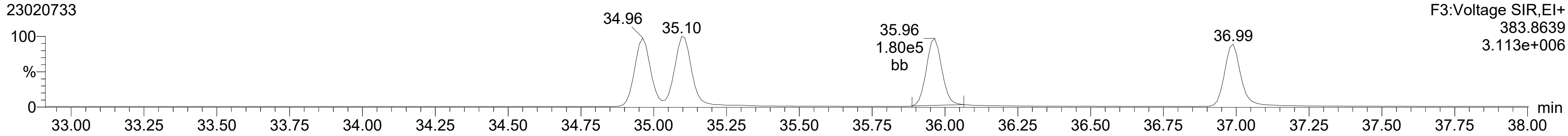

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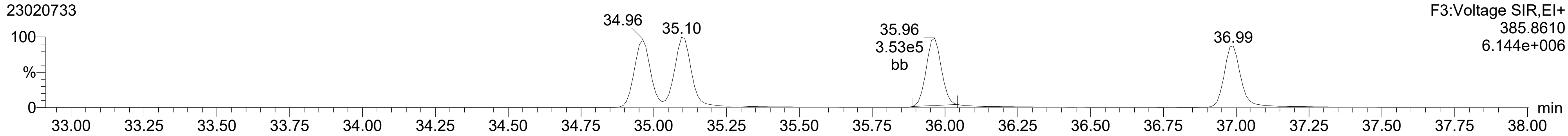

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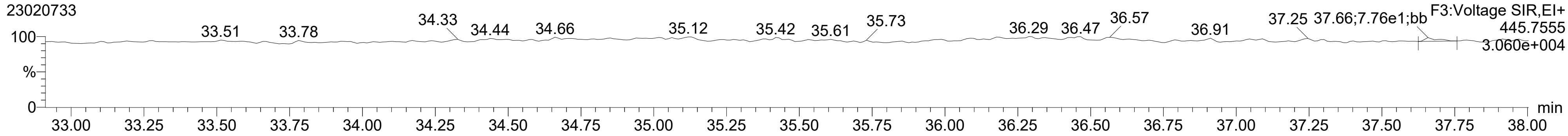

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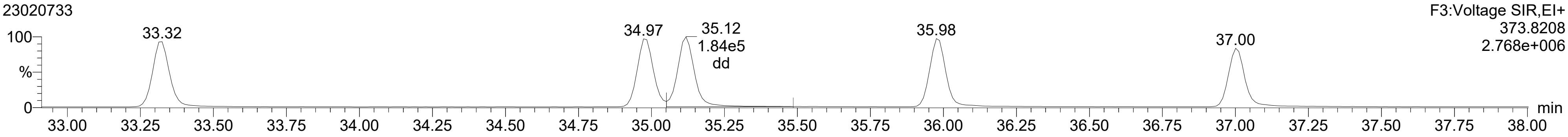

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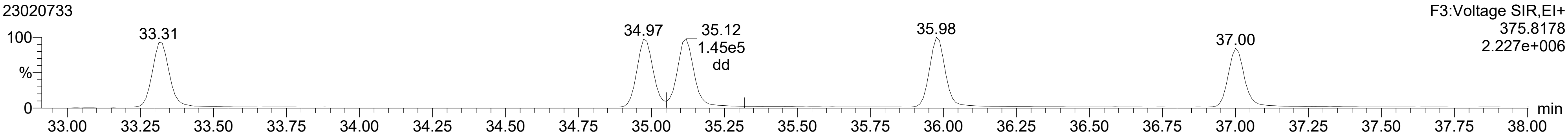

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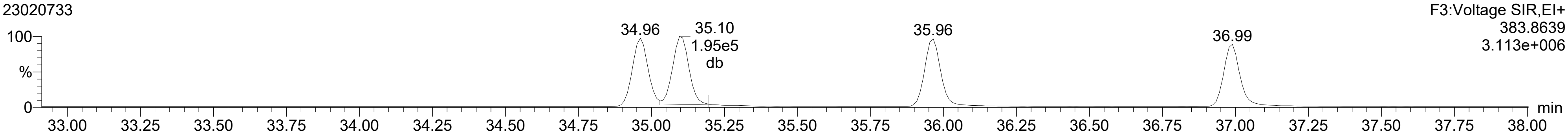

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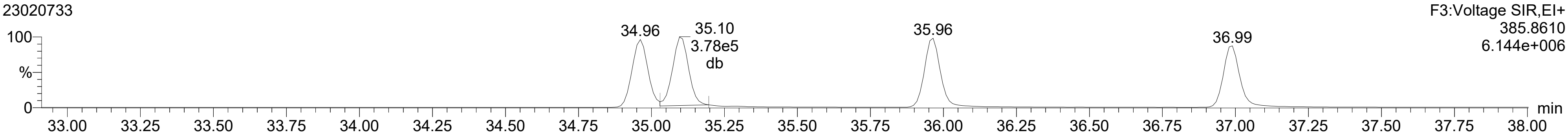

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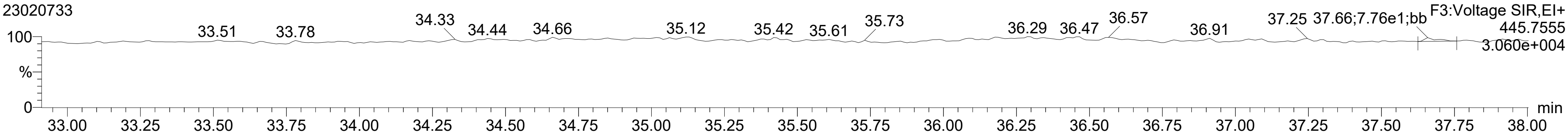

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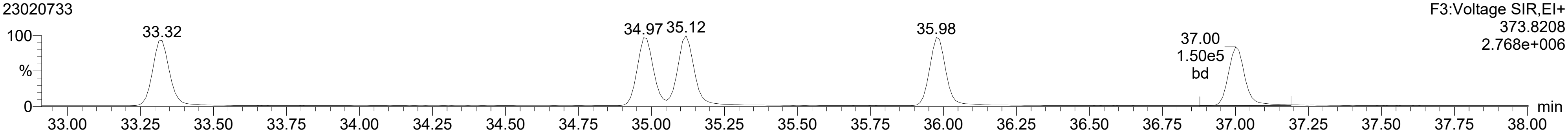

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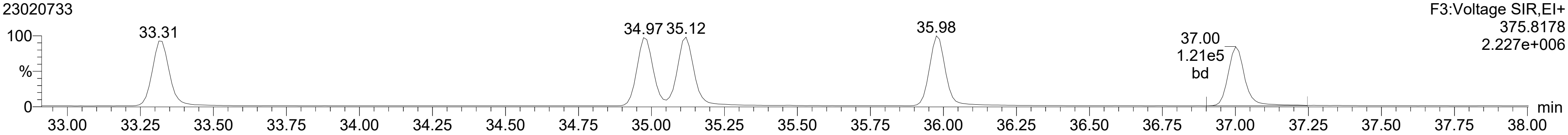

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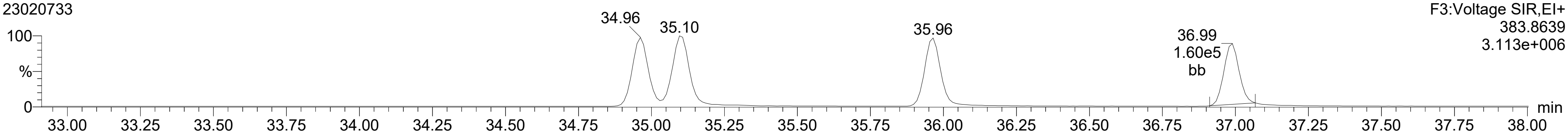

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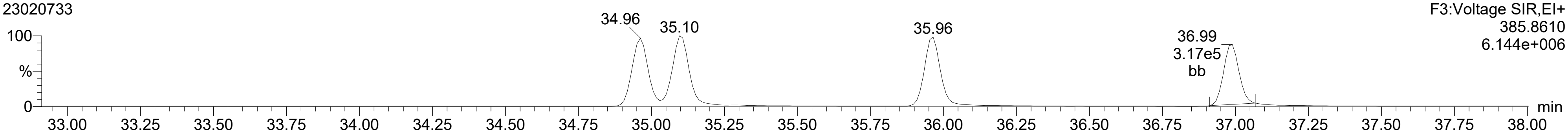

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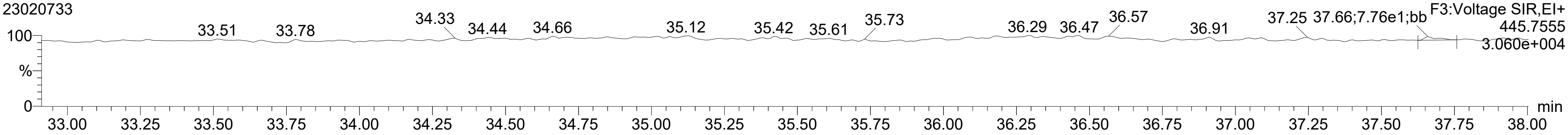

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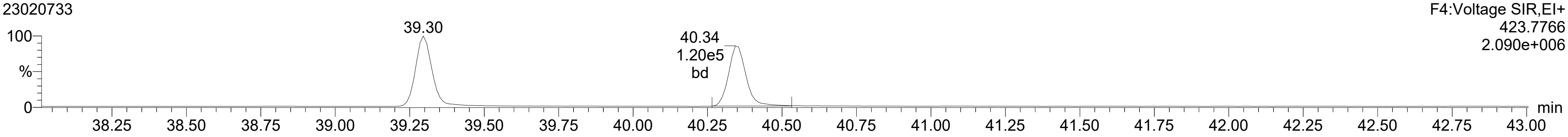

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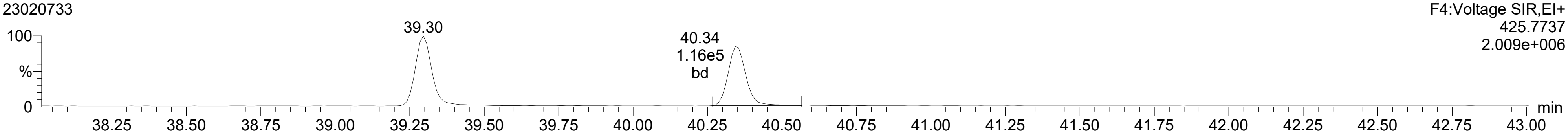

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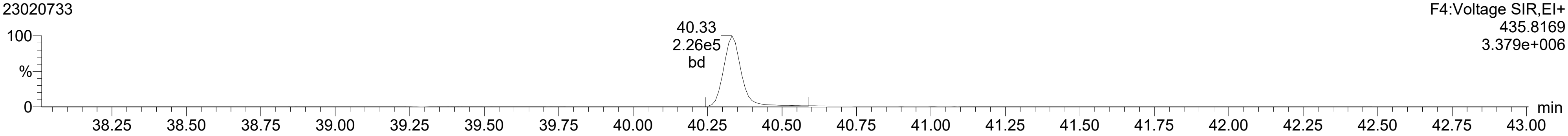

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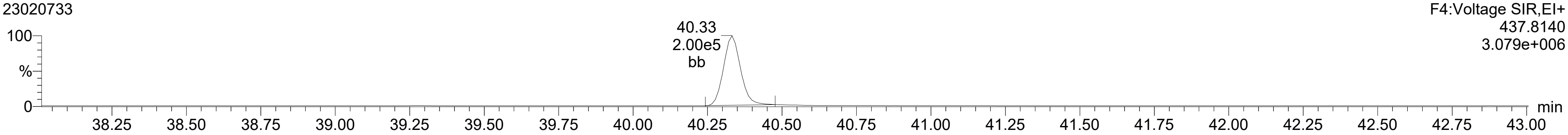

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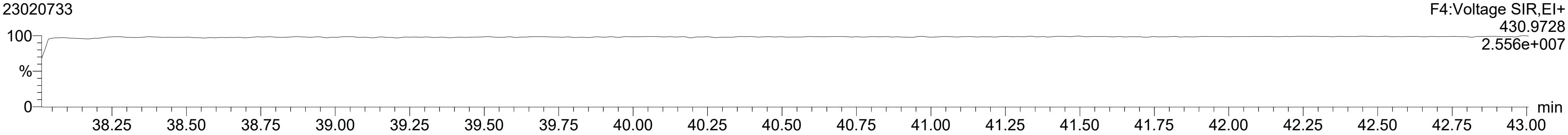

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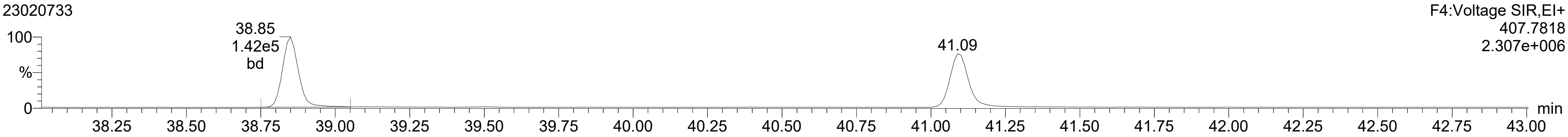

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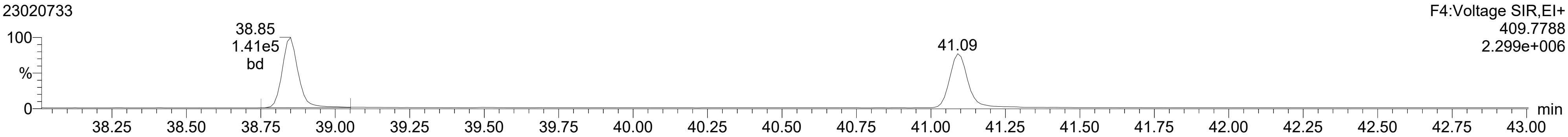

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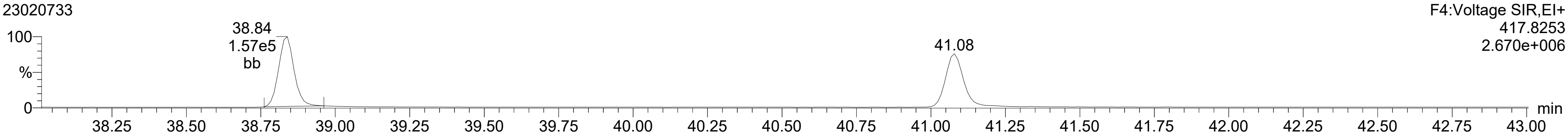

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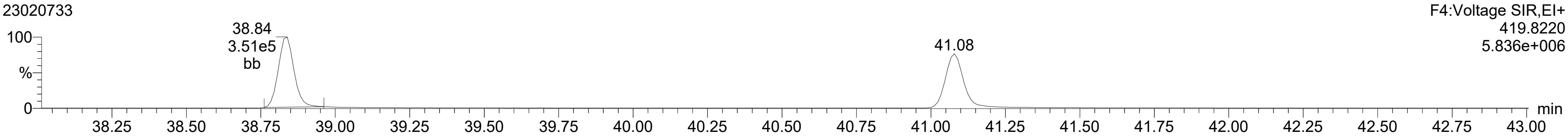

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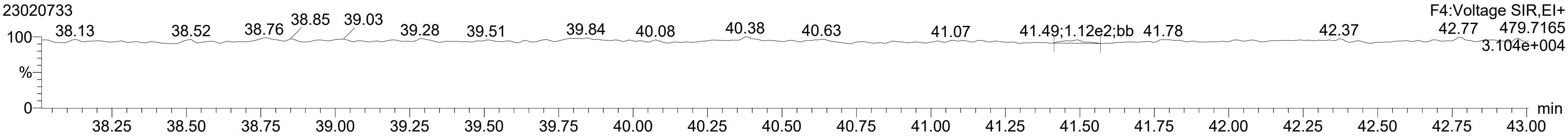

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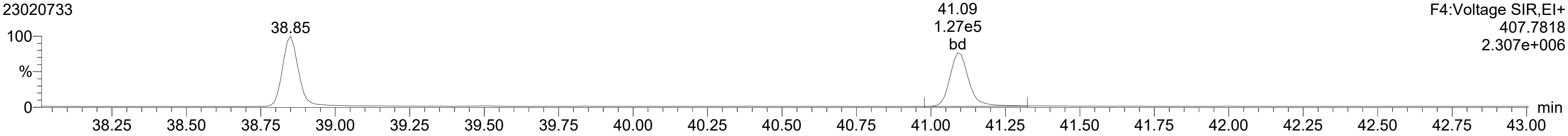

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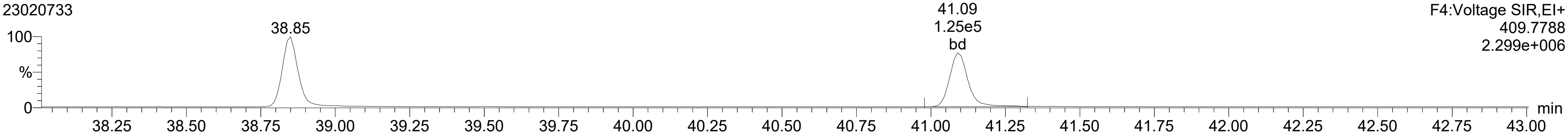

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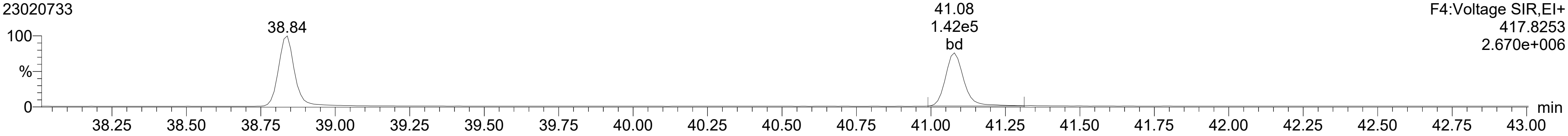

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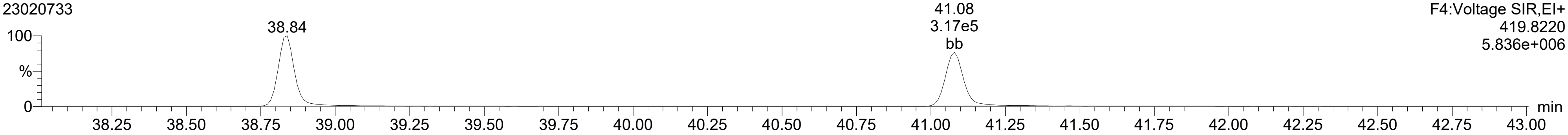

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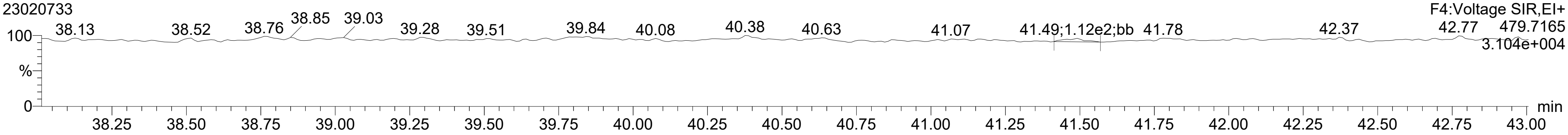

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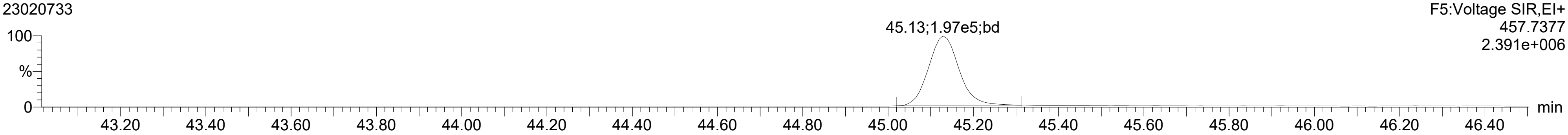

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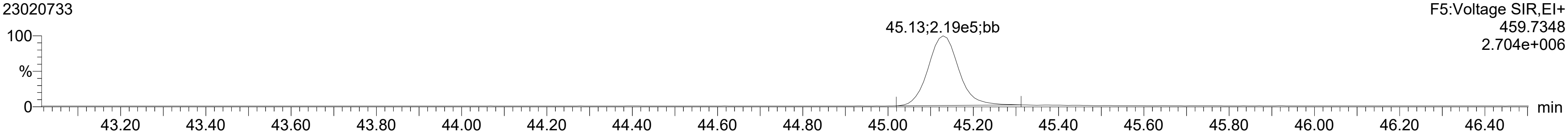

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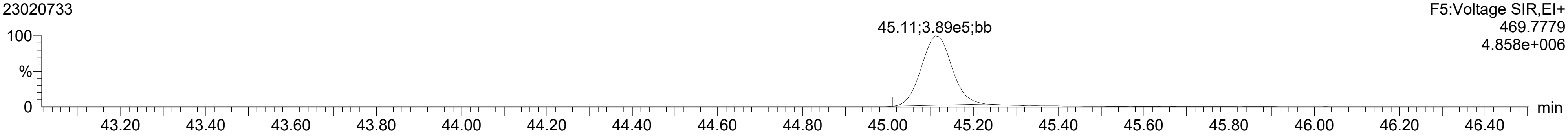

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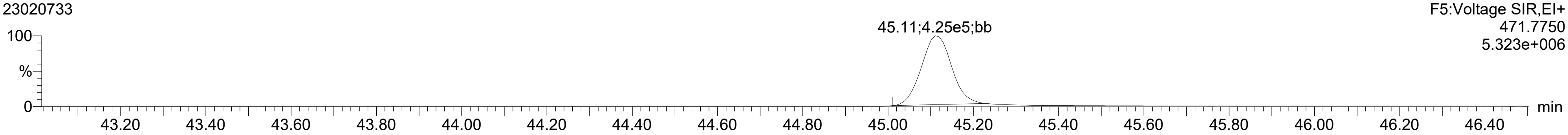

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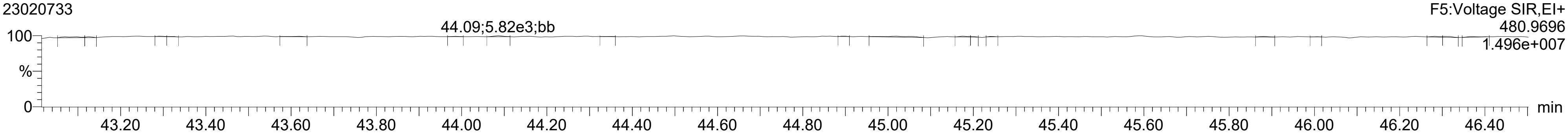

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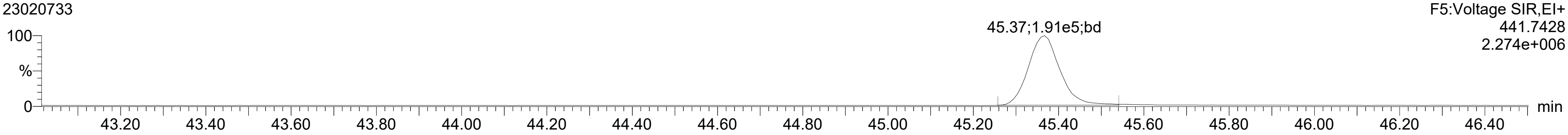

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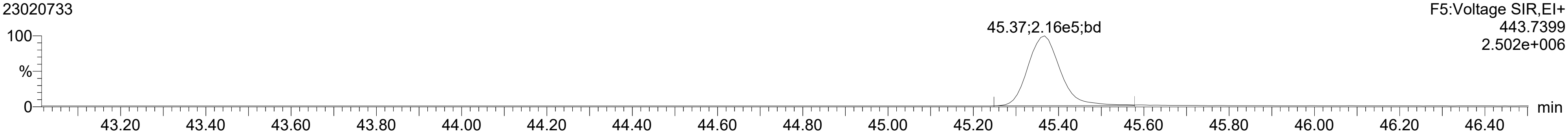

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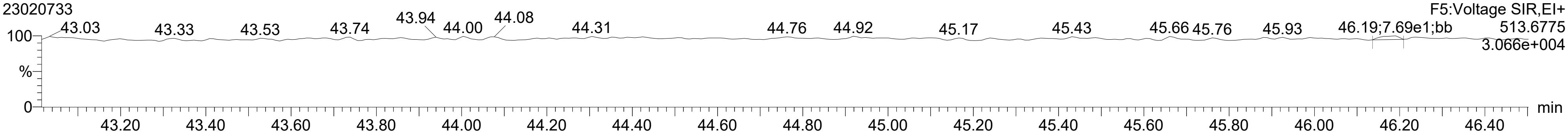

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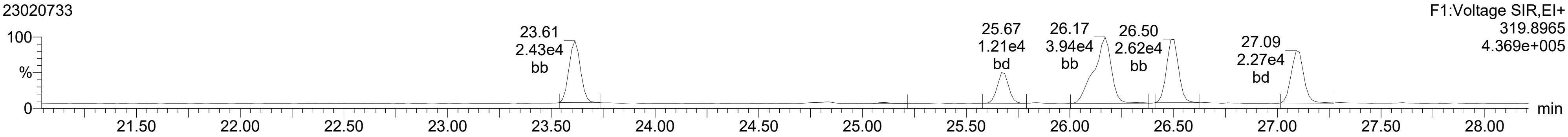
Total-tetradioxins



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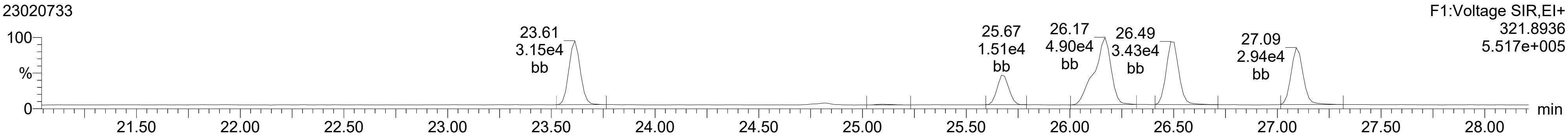

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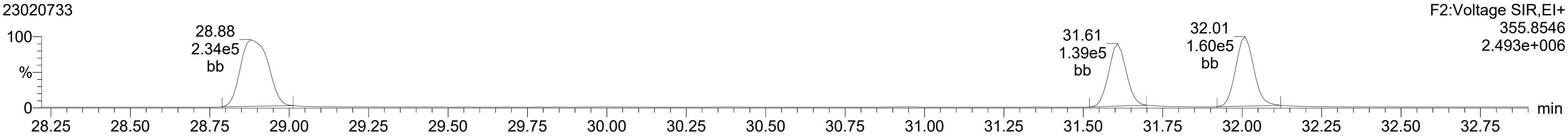
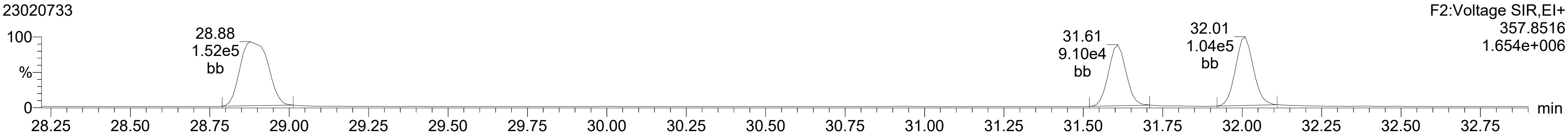


Total-pentadioxins



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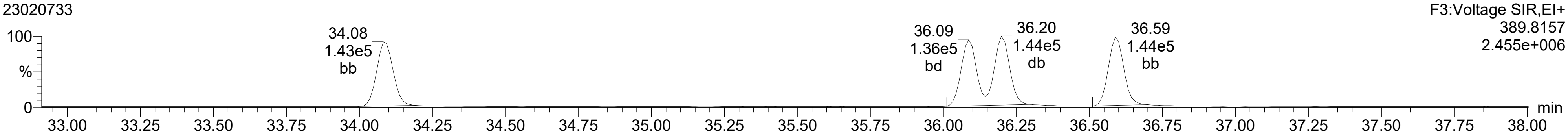
Total-hexadioxins



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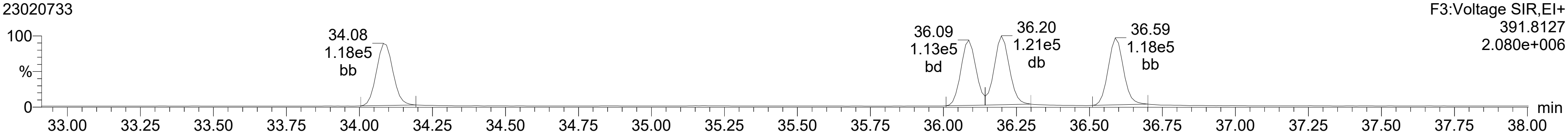

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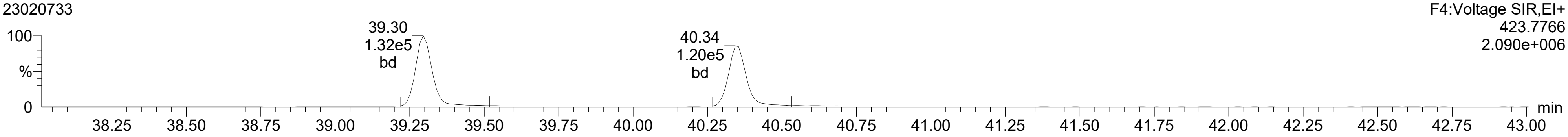

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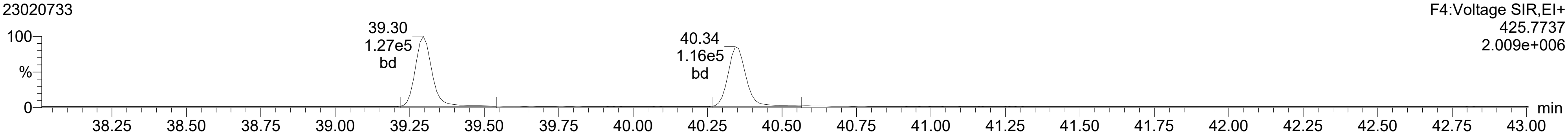

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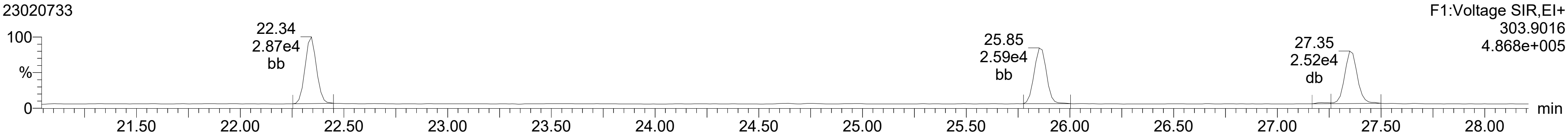
Total-tetrafurans



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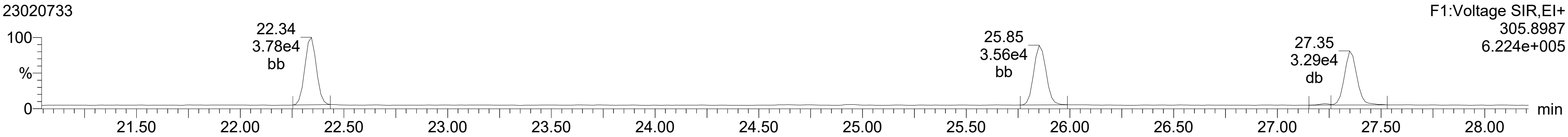

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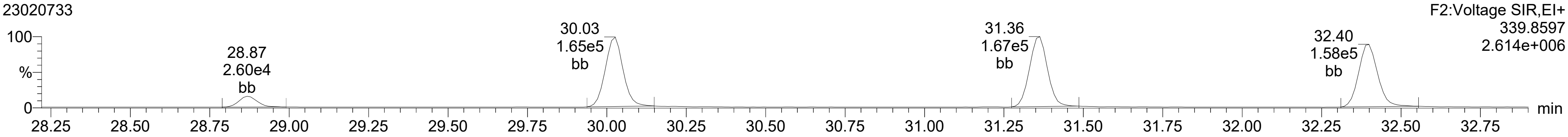

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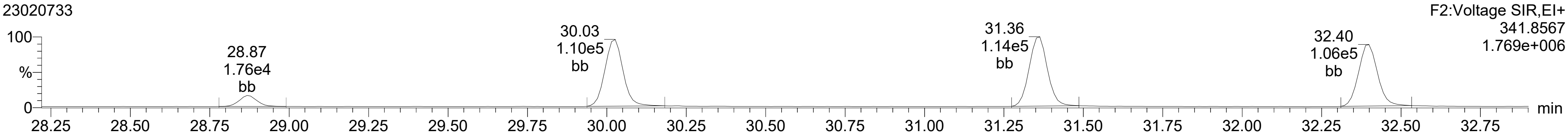

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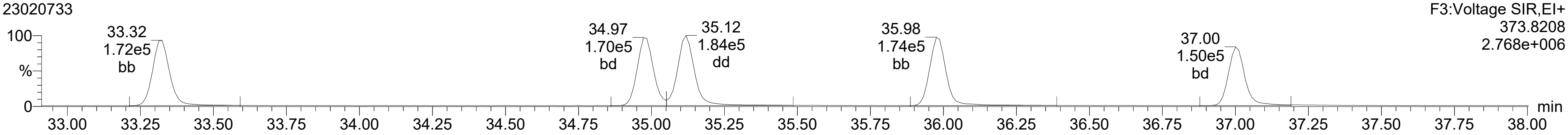

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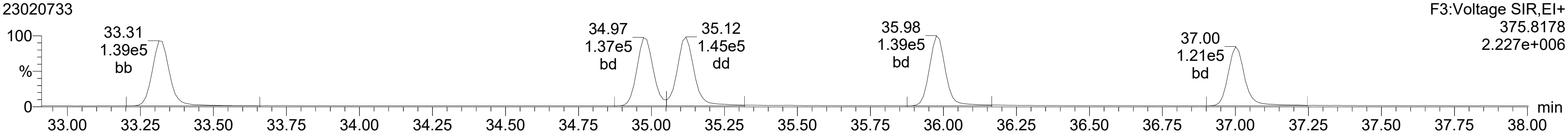

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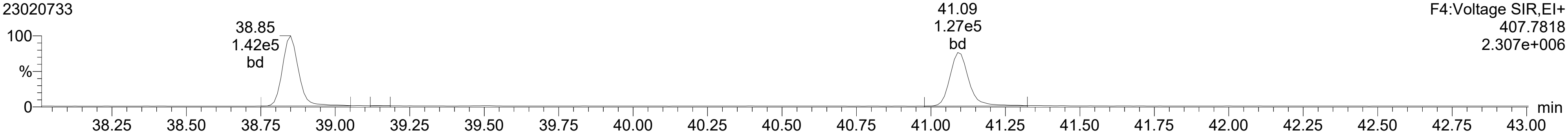

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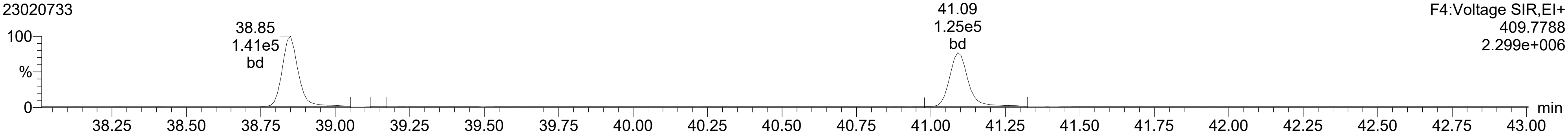

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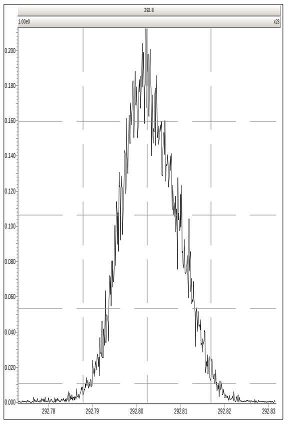

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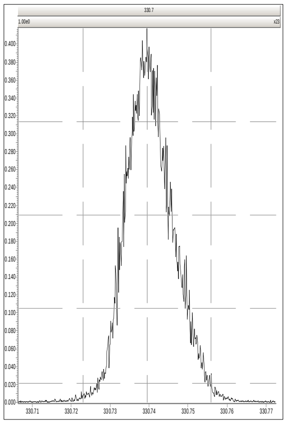

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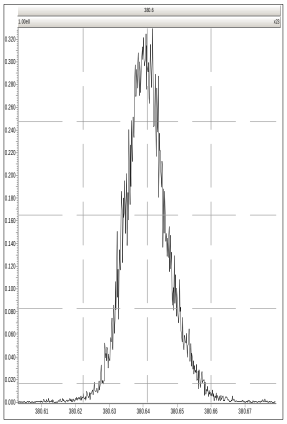

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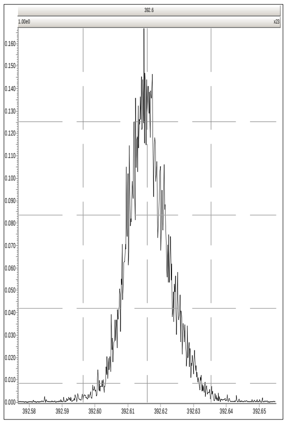

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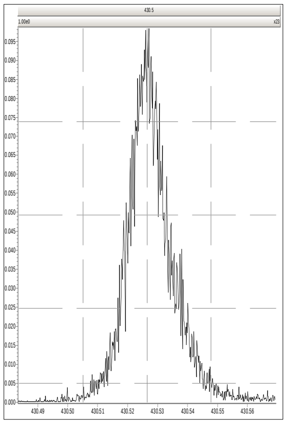

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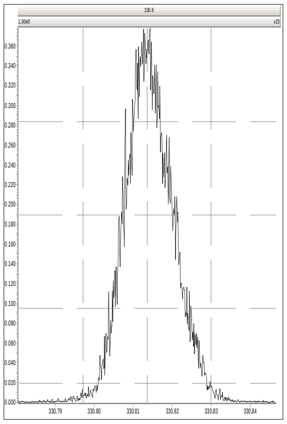

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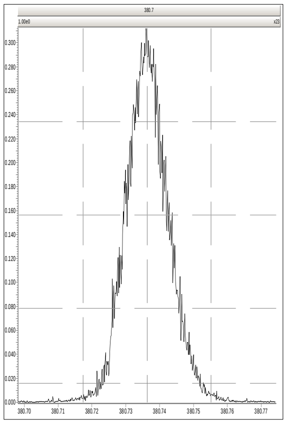

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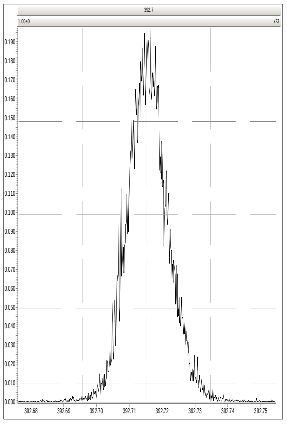

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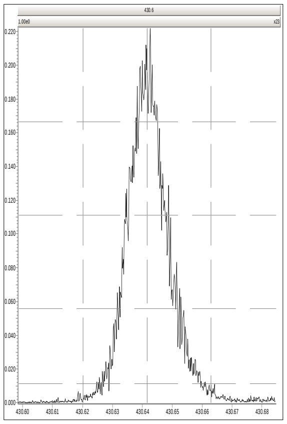
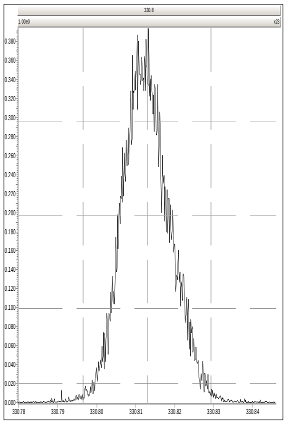
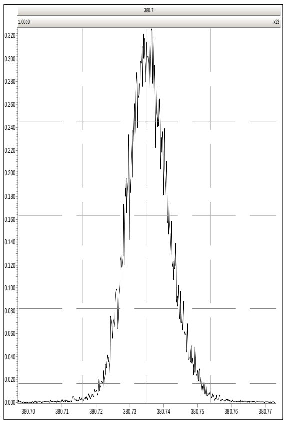


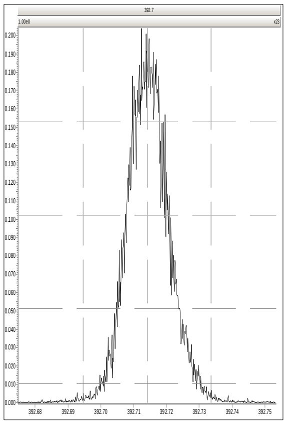
M 330.9792 R 12107



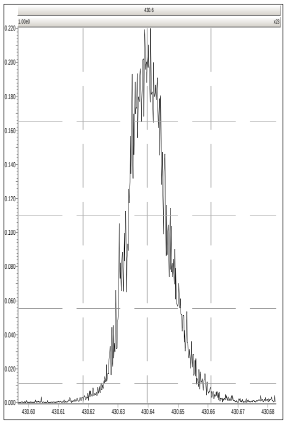
M 380.9760 R 13635



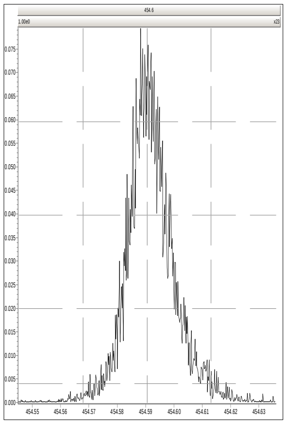
M 392.9760 R 13527



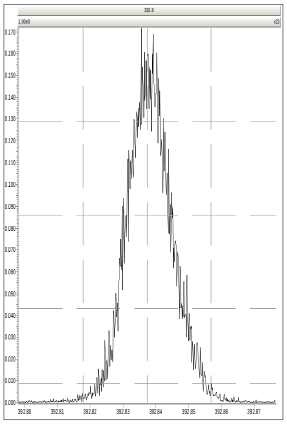
M 430.9728 R 13550



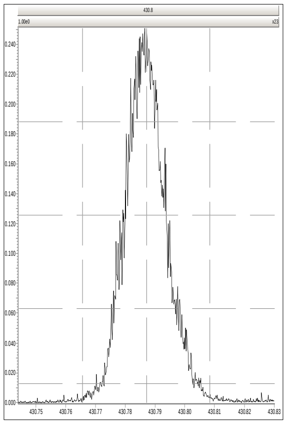
M 454.9728 R 12732



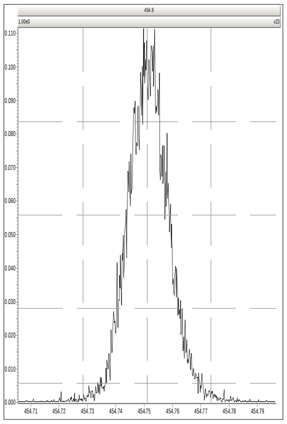
M 392.9760 R 12987



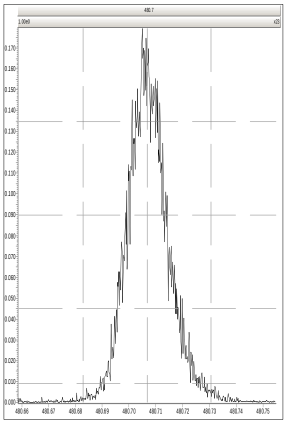
M 430.9728 R 14173



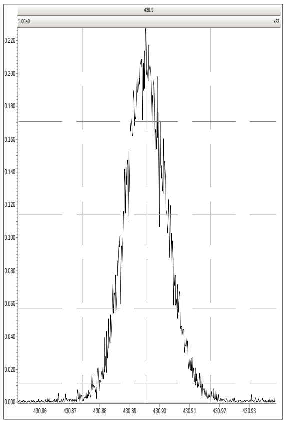
M 454.9728 R 14584



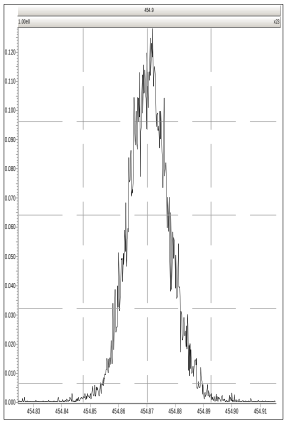
M 480.9696 R 13626



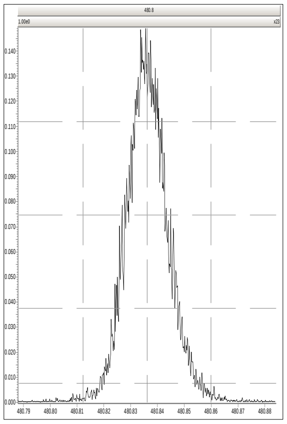
M 430.9728 R 13742



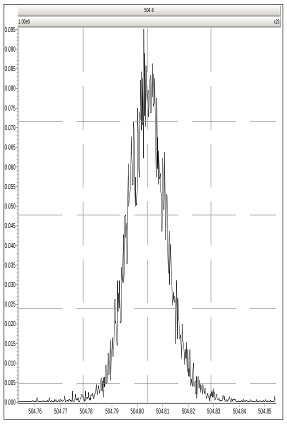
M 454.9728 R 13520



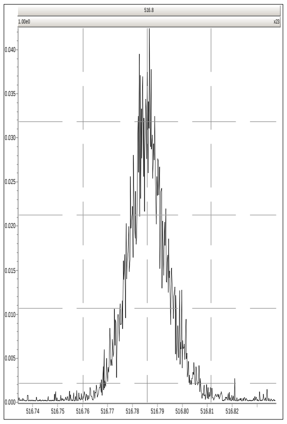
M 480.9696 R 13737

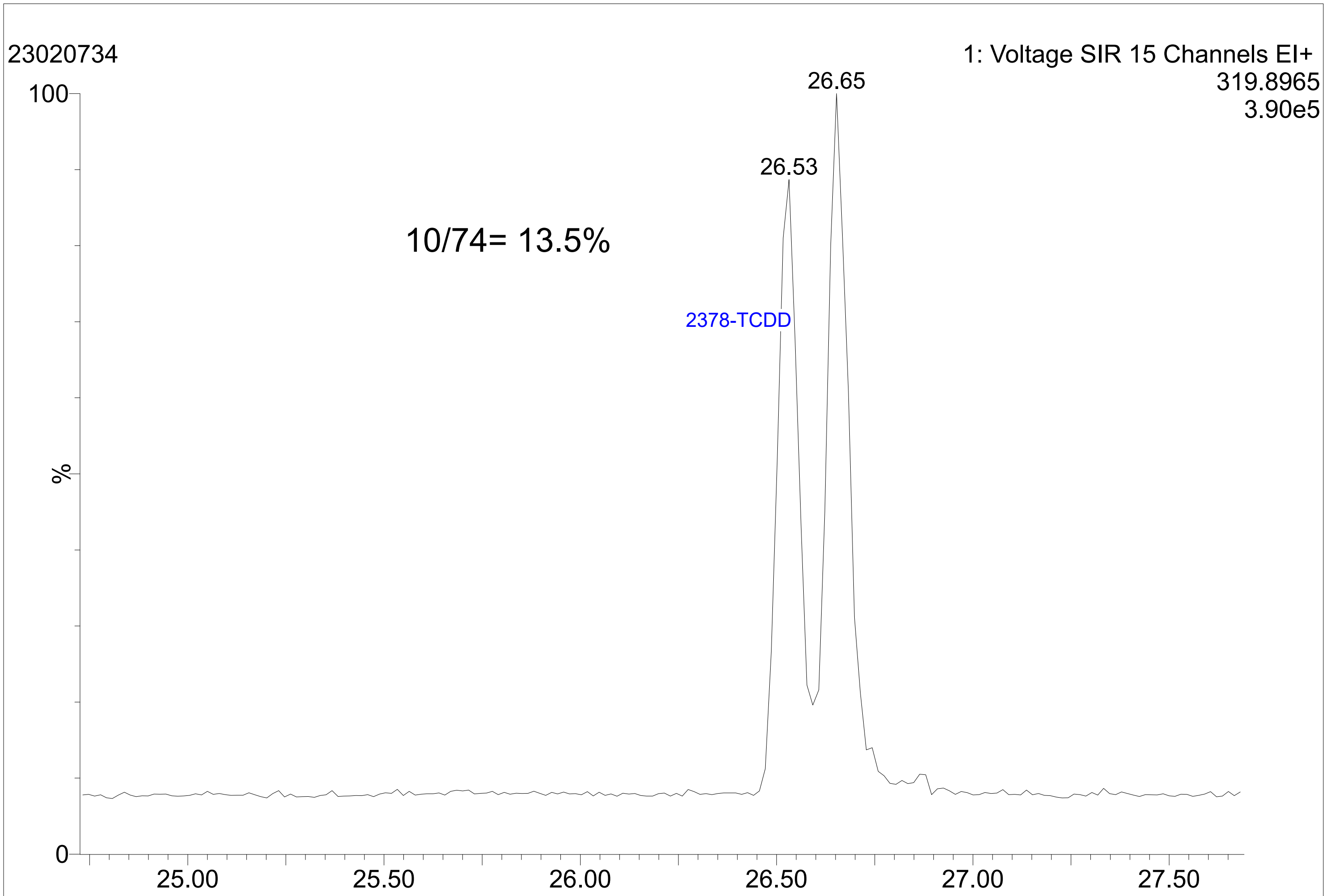


M 504.9696 R 13664

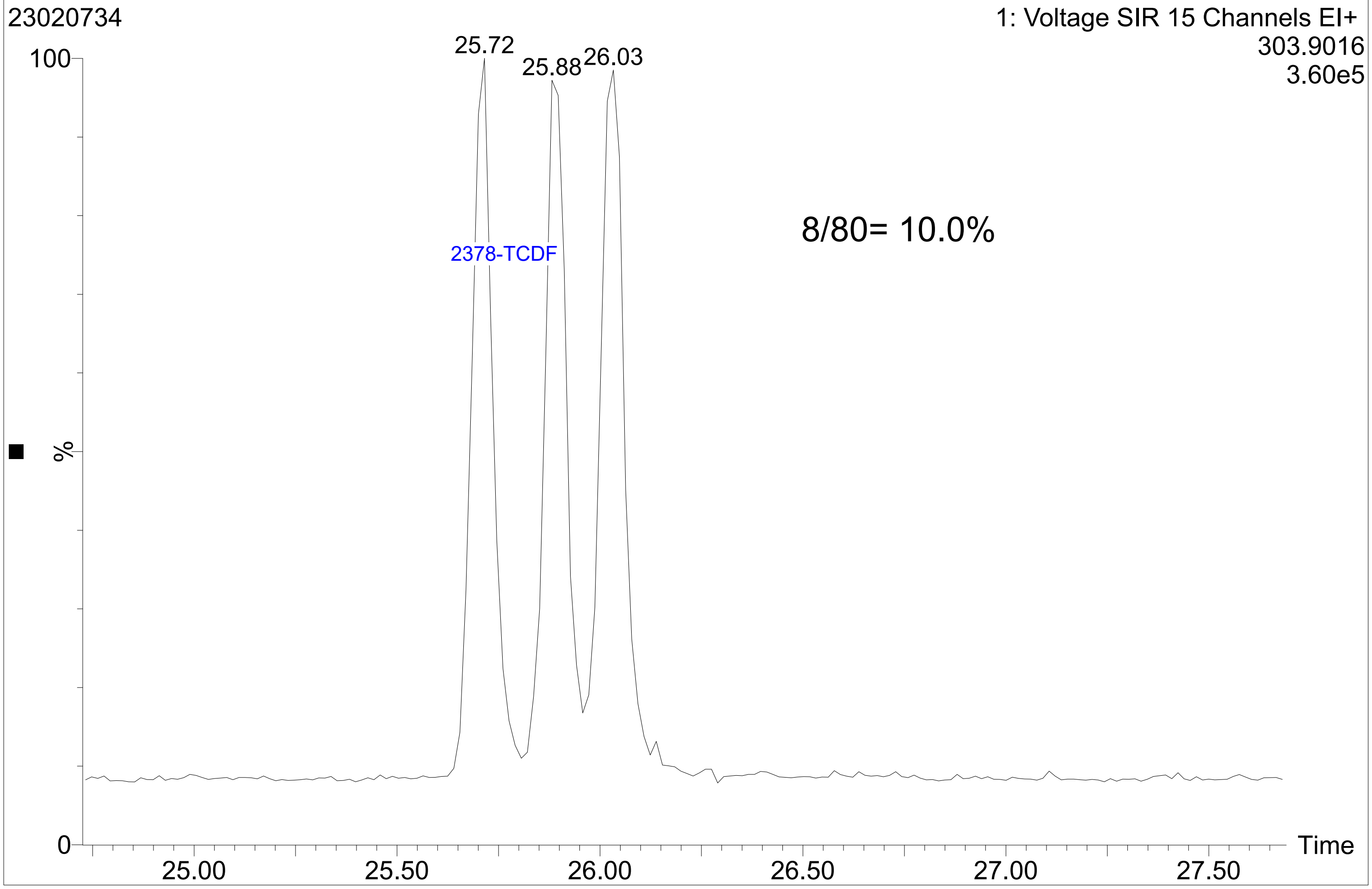


M 516.9697 R 13626





10/74= 13.5%



8/80= 10.0%

CONTINUING CALIBRATION CHECK

EPA 1613B

Laboratory:	Analytical Resources, LLC	SDG:	22L0307
Client:	Anchor QEA, LLC	Project:	AOC4 UR Phase 3
Instrument ID:	AUTOSPEC01	Calibration:	GB00010
Lab File ID:	23020913	Calibration Date:	02/01/2023
Sequence:	SLB0130	Injection Date:	02/09/23
Lab Sample ID:	SLB0130-CCV1	Injection Time:	23:56
Sequence Name:	CS3U2		

		CONC. (ng/mL)		RESPONSE FACTOR (RRF)			% DRIFT/DIFF	
COMPOUND	TYPE	STD	CCV	ICAL	CCV	MIN	CCV	LIMIT
2,3,7,8-TCDF	A	10.000	9.98	0.8760604	0.8745354		-0.2	+/-16
2,3,7,8-TCDD	A	10.000	9.51	1.2363600	1.1751970		-4.9	+/-22
1,2,3,7,8-PeCDF	A	50.000	49.6	0.8446540	0.8373685		-0.9	+/-18
2,3,4,7,8-PeCDF	A	50.000	50.4	0.9111780	0.9187072		0.8	+/-18
1,2,3,7,8-PeCDD	A	50.000	51.0	1.0866850	1.1073770		1.9	+/-22
1,2,3,4,7,8-HxCDF	A	50.000	47.6	1.1816860	1.1253040		-4.8	+/-10
1,2,3,6,7,8-HxCDF	A	50.000	46.1	1.2480480	1.1516220		-7.7	+/-12
2,3,4,6,7,8-HxCDF	A	50.000	48.4	1.2288500	1.1887850		-3.3	+/-12
1,2,3,7,8,9-HxCDF	A	50.000	48.1	1.1865370	1.1421560		-3.7	+/-10
1,2,3,4,7,8-HxCDD	A	50.000	49.8	0.9869672	0.9821659		-0.5	+/-22
1,2,3,6,7,8-HxCDD	A	50.000	49.2	1.0207220	1.0053910		-1.5	+/-22
1,2,3,7,8,9-HxCDD	A	50.000	51.5	0.9854780	1.0148130		3.0	+/-18
1,2,3,4,6,7,8-HpCDF	A	50.000	45.4	1.2041190	1.0932540		-9.2	+/-10
1,2,3,4,7,8,9-HpCDF	A	50.000	46.6	1.1653050	1.0866860		-6.7	+/-14
1,2,3,4,6,7,8-HpCDD	A	50.000	46.3	1.2525690	1.1595440		-7.4	+/-14
OCDF	A	100.00	91.1	1.1862640	1.0809970		-8.9	+/-37
OCDD	A	100.00	96.2	1.1026670	1.0605370		-3.8	+/-21
13C12-2,3,7,8-TCDF	A	100.00	94.2	1.7680590	1.6660637		-5.8	+/-29
13C12-2,3,7,8-TCDD	A	100.00	104	1.1029470	1.1442990		3.7	+/-18
13C12-1,2,3,7,8-PeCDF	A	100.00	101	1.5271250	1.5433479		1.1	+/-24
13C12-2,3,4,7,8-PeCDF	A	100.00	104	1.4662840	1.5186966		3.6	+/-23
13C12-1,2,3,7,8-PeCDD	A	100.00	99.9	0.9141518	0.9135501		-0.07	+/-38
13C12-1,2,3,4,7,8-HxCDF	A	100.00	97.1	1.0536610	1.0228752		-2.9	+/-24
13C12-1,2,3,6,7,8-HxCDF	A	100.00	99.7	1.0799530	1.0768105		-0.3	+/-30
13C12-2,3,4,6,7,8-HxCDF	A	100.00	97.6	1.0143260	0.9897940		-2.4	+/-27
13C12-1,2,3,7,8,9-HxCDF	A	100.00	95.6	0.9279333	0.8871066		-4.4	+/-26
13C12-1,2,3,4,7,8-HxCDD	A	100.00	99.2	0.9329336	0.9257623		-0.8	+/-15
13C12-1,2,3,6,7,8-HxCDD	A	100.00	98.5	0.9646272	0.9503920		-1.5	+/-15
13C12-1,2,3,4,6,7,8-HpCDF	A	100.00	97.0	1.0360890	1.0046704		-3.0	+/-22
13C12-1,2,3,4,7,8,9-HpCDF	A	100.00	98.3	0.9049372	0.8891608		-1.7	+/-23
13C12-1,2,3,4,6,7,8-HpCDD	A	100.00	99.6	0.7819773	0.7786680		-0.4	+/-28
13C12-OCDD	A	200.00	175	0.7882343	0.6913992		-12.3	+/-52
37Cl4-2,3,7,8-TCDD	A	10.000	9.29	1.2334500	1.1463466		-7.1	

* Values outside of QC limits

* Values outside of QC limits

* Values outside of QC limits

Quantify Sample Summary Report **MassLynx MassLynx V4.1 SCN909**

Dataset: T:\Autospec\Processed Data Batch\230209D1.qld
Last Altered: Friday, February 10, 2023 10:28:47 Pacific Standard Time
Printed: Friday, February 10, 2023 10:40:12 Pacific Standard Time

Method: T:\Autospec\Methods\Dioxin230206.mdb 09 Feb 2023 15:53:04
Calibration: T:\Autospec\Curves\230201ICIH.cdb 03 Feb 2023 10:33:40

ID: CS3U2, Name: 23020913, Date: 09-Feb-2023, Time: 23:56:41, Conditions: AUTOSPEC01, User: pk

Compound	RT	RRT	Ion1Area	Ion2Area	RRF	Ratio	Pred R	Noise 1	Noise 2	Height 1	Height 2	S/N 1	S/N 2	EMPC	Int.1	Int.2	pg
2378-TCDF	25.902	1.001	4.540e4	5.880e4	0.876	0.772	0.770	1209	1243	6.93e5	9.02e5	573.3	725.7	NO	bb	bb	9.983
12378-PeCDF	30.076	1.001	2.786e5	1.835e5	0.845	1.519	1.550	2681	1825	4.18e6	2.75e6	1559.6	1504.7	NO	bb	bb	49.569
23478-PeCDF	31.413	1.001	3.011e5	1.978e5	0.911	1.523	1.550	2681	1825	4.54e6	3.00e6	1692.8	1643.5	NO	bb	bb	50.413
123478-HxCDF	35.033	1.001	2.430e5	1.956e5	1.182	1.242	1.240	1524	1220	3.86e6	3.11e6	2532.6	2550.0	NO	bd	bd	47.614
234678-HxCDF	36.025	1.000	2.476e5	2.008e5	1.229	1.233	1.240	1524	1220	3.83e6	3.16e6	2516.2	2592.0	NO	bb	bd	48.370
123678-HxCDF	35.167	1.001	2.636e5	2.090e5	1.248	1.261	1.240	1524	1220	3.98e6	3.18e6	2610.2	2608.9	NO	dd	dd	46.137
123789-HxCDF	37.050	1.000	2.144e5	1.717e5	1.187	1.248	1.240	1524	1220	3.39e6	2.72e6	2224.3	2226.5	NO	bd	bd	48.130
1234678-HpCDF	38.899	1.000	2.115e5	2.070e5	1.204	1.022	1.050	1780	2002	3.43e6	3.37e6	1924.5	1683.8	NO	bb	bb	45.396
1234789-HpCDF	41.150	1.000	1.865e5	1.817e5	1.165	1.026	1.050	1780	2002	2.68e6	2.61e6	1506.9	1303.3	NO	bb	bb	46.627
OCDF	45.445	1.006	2.714e5	2.982e5	1.186	0.910	0.890	1243	1470	3.20e6	3.50e6	2575.7	2384.0	NO	bd	bd	91.126
2378-TCDD	26.537	1.001	4.262e4	5.354e4	1.236	0.796	0.770	1445	1114	6.82e5	8.26e5	472.3	741.3	NO	bb	bb	9.505
12378-PeCDD	31.658	1.001	2.204e5	1.413e5	1.087	1.559	1.550	1948	1549	3.48e6	2.22e6	1787.9	1432.8	NO	bb	bb	50.952
123478-HxCDD	36.136	1.000	1.899e5	1.566e5	0.987	1.213	1.240	1357	1808	3.17e6	2.61e6	2334.4	1441.0	NO	bd	bd	49.757
123678-HxCDD	36.248	1.000	2.014e5	1.627e5	1.021	1.238	1.240	1357	1808	3.30e6	2.67e6	2432.6	1478.6	NO	db	db	49.249
123789-HxCDD	36.638	1.011	1.981e5	1.647e5	0.985	1.203	1.240	1357	1808	3.29e6	2.72e6	2425.5	1506.3	NO	bb	bb	51.488
1234678-HpCDD	40.403	1.000	1.755e5	1.686e5	1.253	1.041	1.050	1521	1648	2.64e6	2.55e6	1735.5	1546.1	NO	bd	bd	46.287
OCDD	45.207	1.000	2.617e5	2.972e5	1.103	0.881	0.890	1333	2071	3.04e6	3.47e6	2283.8	1676.1	NO	bd	bd	96.179
13C-2378-TCDF	25.887	1.007	5.184e5	6.729e5	1.768	0.770	0.770	1647	1166	7.84e6	1.01e7	4762.6	8689.4	NO	bb	bb	94.231
13C-12378-PeCDF	30.053	1.169	6.715e5	4.321e5	1.527	1.554	1.550	2505	1571	1.02e7	6.58e6	4072.4	4189.8	NO	bb	bb	101.062
13C-23478-PeCDF	31.390	1.221	6.592e5	4.268e5	1.466	1.545	1.550	2505	1571	1.00e7	6.44e6	4010.7	4100.5	NO	bb	bb	103.574
13C-123478-HxCDF	35.011	0.956	2.633e5	5.162e5	1.054	0.510	0.510	1987	1509	4.31e6	8.50e6	2167.1	5631.8	NO	bd	bd	97.078
13C-123678-HxCDF	35.145	0.960	2.751e5	5.456e5	1.080	0.504	0.510	1987	1509	4.29e6	8.51e6	2159.1	5640.5	NO	db	db	99.709
13C-234678-HxCDF	36.014	0.983	2.547e5	4.997e5	1.014	0.510	0.510	1987	1509	4.23e6	8.17e6	2127.1	5415.4	NO	bb	bb	97.581
13C-123789-HxCDF	37.039	1.011	2.284e5	4.477e5	0.928	0.510	0.510	1987	1509	3.82e6	7.48e6	1922.7	4955.4	NO	bb	bb	95.600
13C-1234678-HpCDF	38.888	1.062	2.395e5	5.262e5	1.036	0.455	0.440	1827	1953	3.96e6	8.77e6	2168.2	4492.2	NO	bb	bb	96.968
13C-1234789-HpCDF	41.139	1.123	2.096e5	4.681e5	0.905	0.448	0.440	1827	1953	2.97e6	6.57e6	1628.2	3363.1	NO	bb	bd	98.257
13C-1234-TCDD	25.704	0.000	3.193e5	3.958e5	1.000	0.807	0.770	1505	1029	4.96e6	6.16e6	3298.5	5985.2	NO	bb	bb	100.000
13C-2378-TCDD	26.523	1.032	3.605e5	4.578e5	1.103	0.788	0.770	1505	1029	5.56e6	6.99e6	3692.5	6797.4	NO	bb	bb	103.749
13C-12378-PeCDD	31.635	1.231	4.040e5	2.493e5	0.914	1.621	1.550	1869	775	6.03e6	3.68e6	3223.6	4746.9	NO	bd	bb	99.934
13C-123478-HxCDD	36.125	0.986	3.957e5	3.098e5	0.933	1.277	1.240	2539	1626	6.38e6	4.99e6	2512.8	3071.7	NO	bd	bd	99.231
13C-123678-HxCDD	36.236	0.989	4.086e5	3.157e5	0.965	1.294	1.240	2539	1626	6.68e6	5.23e6	2629.8	3217.3	NO	db	db	98.524
13C-1234678-HpCDD	40.392	1.103	3.051e5	2.883e5	0.782	1.058	1.050	1464	1172	4.59e6	4.22e6	3136.7	3601.2	NO	bb	bd	99.577
13C-OCDD	45.188	1.234	5.034e5	5.504e5	0.788	0.915	0.890	2202	1919	6.06e6	6.70e6	2751.8	3492.3	NO	bb	bb	175.430
13C-123789-HxCDD	36.626	0.000	4.245e5	3.377e5	1.000	1.257	1.240	2539	1626	6.96e6	5.52e6	2740.2	3398.0	NO	bb	bb	100.000
37CL-2378-TCDD	26.537	1.032	8.197e4		1.233			974		1.27e6		1307.2			bb		9.294

ID: CS3U2, Name: 23020913, Date: 09-Feb-2023, Time: 23:56:41, Conditions: AUTOSPEC01, User: pk

Compound	RT	RRT	Ion1Area	Ion2Area	RRF	Ratio	Pred R	Noise 1	Noise 2	Height 1	Height 2	S/N 1	S/N 2	EMPC	Int.1	Int.2	pg
1368-TCDF	22.384	0.865	5.178e4	6.929e4	1.064	0.747	0.770	1209	1243	8.08e5	1.09e6	668.3	879.1	NO	bb	bb	9.547
1289-TCDF	27.399	1.058	4.367e4	5.766e4	0.858	0.757	0.770	1209	1243	6.51e5	8.55e5	538.8	688.5	NO	db	db	9.917
13468-PECDF	27.257	0.907	3.163e5	1.994e5	1.013	1.586	1.550	816	1003	4.96e6	3.15e6	6084.8	3145.9	NO	bb	bb	46.129
12389-PECDF	32.449	1.080	2.797e5	1.802e5	0.844	1.552	1.550	2681	1825	4.00e6	2.66e6	1491.2	1456.5	NO	bd	bb	49.397
123468-HXCDF	33.373	0.953	2.397e5	1.893e5	1.197	1.266	1.240	1524	1220	3.58e6	2.84e6	2352.8	2328.0	NO	bb	bb	45.953
1368-TCDD	23.656	0.892	3.955e4	4.887e4	1.084	0.809	0.770	1445	1114	6.46e5	7.85e5	446.9	705.1	NO	bb	bb	9.965
1289-TCDD	27.145	1.023	3.634e4	4.399e4	0.975	0.826	0.770	1445	1114	5.41e5	6.79e5	374.2	609.6	NO	bd	bb	10.067
12479-PECDD	28.928	0.914	3.564e5	2.281e5	1.837	1.562	1.550	1948	1549	3.44e6	2.21e6	1765.9	1427.4	NO	bb	bb	48.707
12389-PECDD	32.059	1.013	2.591e5	1.611e5	1.252	1.608	1.550	1948	1549	4.00e6	2.52e6	2051.1	1624.8	NO	bb	bb	51.357
124679-HXCDD	34.142	0.945	1.928e5	1.602e5	1.033	1.204	1.240	1357	1808	3.01e6	2.47e6	2220.6	1368.7	NO	bb	bb	48.442
1234679-HPCDD	39.345	0.974	1.980e5	1.848e5	1.286	1.072	1.050	1521	1648	3.04e6	2.88e6	1998.4	1746.8	NO	bd	bb	50.154
Total-tetrafurans			1.422e5		0.933			1209		2.17e6							29.712
Total-penta1			3.163e5					816		4.96e6							46.129
Total-pentafurans			9.035e5		0.866			2681		1.34e7							157.030
Total-hexafurans			1.208e6		1.208			1524		1.86e7							236.204
Total-heptafurans			3.992e5		1.185			1780		6.13e6							92.321
Total-Furans			3.241e6		1.067			1209		4.85e7							652.521
Total-tetradioxins			2.020e5		1.099			1445		2.83e6							50.381
Total-pentadioxins			8.370e5		1.392			1948		1.09e7							151.232
Total-hexadioxins			7.823e5		1.007			1357		1.28e7							198.936
Total-heptadioxins			3.735e5		1.269			1521		5.68e6							96.441
Total-Dioxins			2.456e6		1.165			1445		3.53e7							593.169
Total-TEQ			5.697e6					1445		8.38e7							1245.691
FUNCTION1 PFK			6.807e7					300218		5.56e6							
FUNCTION2 PFK			1.255e5					191705		4.36e6							0.000
FUNCTION3 PFK			1.979e5					205504		6.33e6							0.000
FUNCTION4 PFK			7.537e6					199602		8.68e6							
FUNCTION5 PFK			2.913e3					109484		1.71e5							
FUNCTION1 HXCD...			9.434e2					740		1.13e4							0.000
FUNCTION1 HPCD...																	
FUNCTION2 HPCD...			3.142e2					869		9.16e3							0.000
FUNCTION3 OCDPE			4.955e2					626		6.40e3							0.000
FUNCTION4 NCDPE			2.161e2					652		5.19e3							0.000
FUNCTION5 DCDPE			1.727e2					817		3.89e3							0.000

Method: T:\Autospec\Methods\Dioxin230206.mdb 09 Feb 2023 15:53:04
Calibration: T:\Autospec\Curves\230201ICIH.cdb 03 Feb 2023 10:33:40

ID: CS3U2, Name: 23020913, Date: 09-Feb-2023, Time: 23:56:41, Conditions: AUTOSPEC01, User: pk

TF

	Compound	RT	Ion1Area	Ion2Area	RRF	Ratio	Pred R	S/N 1	SNFlag	EMPC	Int.1	Int.2	pg
1	1289-TCDF	27.40	4.367e4	5.766e4	0.858	0.76	0.77	538.8	YES	NO	db	db	9.917
2	Total-tetrafurans	27.27	1.095e3	1.377e3	0.933	0.80	0.77	15.9	YES	NO	bd	bd	0.222
3	2378-TCDF	25.90	4.540e4	5.880e4	0.876	0.77	0.77	573.3	YES	NO	bb	bb	9.983
4	Total-tetrafurans	24.67	2.183e2	2.590e2	0.933	0.84	0.77	3.4	YES	NO	db	bd	0.043
5	1368-TCDF	22.38	5.178e4	6.929e4	1.064	0.75	0.77	668.3	YES	NO	bb	bb	9.547

PP

	Compound	RT	Ion1Area	Ion2Area	RRF	Ratio	Pred R	S/N 1	SNFlag	EMPC	Int.1	Int.2	pg
1	13468-PECDF	27.26	3.163e5	1.994e5	1.013	1.59	1.55	6084.8	YES	NO	bb	bb	46.129

PF

	Compound	RT	Ion1Area	Ion2Area	RRF	Ratio	Pred R	S/N 1	SNFlag	EMPC	Int.1	Int.2	pg
1	23478-PeCDF	31.41	3.011e5	1.978e5	0.911	1.52	1.55	1692.8	YES	NO	bb	bb	50.413
2	12378-PeCDF	30.08	2.786e5	1.835e5	0.845	1.52	1.55	1559.6	YES	NO	bb	bb	49.569
3	Total-pentafurans	28.92	4.409e4	2.849e4	0.866	1.55	1.55	262.4	YES	NO	bb	bb	7.651
4	12389-PECDF	32.45	2.797e5	1.802e5	0.844	1.55	1.55	1491.2	YES	NO	bd	bb	49.397

HF

	Compound	RT	Ion1Area	Ion2Area	RRF	Ratio	Pred R	S/N 1	SNFlag	EMPC	Int.1	Int.2	pg
1	123789-HxCDF	37.05	2.144e5	1.717e5	1.187	1.25	1.24	2224.3	YES	NO	bd	bd	48.130
2	234678-HxCDF	36.02	2.476e5	2.008e5	1.229	1.23	1.24	2516.2	YES	NO	bb	bd	48.370
3	123678-HxCDF	35.17	2.636e5	2.090e5	1.248	1.26	1.24	2610.2	YES	NO	dd	dd	46.137
4	123478-HxCDF	35.03	2.430e5	1.956e5	1.182	1.24	1.24	2532.6	YES	NO	bd	bd	47.614
5	123468-HXCDF	33.37	2.397e5	1.893e5	1.197	1.27	1.24	2352.8	YES	NO	bb	bb	45.953

HPF

	Compound	RT	Ion1Area	Ion2Area	RRF	Ratio	Pred R	S/N 1	SNFlag	EMPC	Int.1	Int.2	pg
1	Total-heptafurans	39.56	1.104e3	1.199e3	1.185	0.92	1.05	10.8	YES	NO	bb	bb	0.269
2	1234678-HpCDF	38.90	2.115e5	2.070e5	1.204	1.02	1.05	1924.5	YES	NO	bb	bb	45.396
3	Total-heptafurans	41.45	1.258e2	1.164e2	1.185	1.08	1.05	2.2	NO	NO	bb	bb	0.028
4	1234789-HpCDF	41.15	1.865e5	1.817e5	1.165	1.03	1.05	1506.9	YES	NO	bb	bb	46.627

ID: CS3U2, Name: 23020913, Date: 09-Feb-2023, Time: 23:56:41, Conditions: AUTOSPEC01, User: pk

Furans,TF,PP,PF,HF,HPF,OF

	Compound	RT	Ion1Area	Ion2Area	RRF	Ratio	Pred R	S/N 1	SNFlag	EMPC	Int.1	Int.2	pg
1	1289-TCDF	27.40	4.367e4	5.766e4	0.858	0.76	0.77	538.8	YES	NO	db	db	9.917
2	Total-tetrafurans	27.27	1.095e3	1.377e3	0.933	0.80	0.77	15.9	YES	NO	bd	bd	0.222
3	2378-TCDF	25.90	4.540e4	5.880e4	0.876	0.77	0.77	573.3	YES	NO	bb	bb	9.983
4	Total-tetrafurans	24.67	2.183e2	2.590e2	0.933	0.84	0.77	3.4	YES	NO	db	bd	0.043
5	1368-TCDF	22.38	5.178e4	6.929e4	1.064	0.75	0.77	668.3	YES	NO	bb	bb	9.547
6	23478-PeCDF	31.41	3.011e5	1.978e5	0.911	1.52	1.55	1692.8	YES	NO	bb	bb	50.413
7	12378-PeCDF	30.08	2.786e5	1.835e5	0.845	1.52	1.55	1559.6	YES	NO	bb	bb	49.569
8	Total-pentafurans	28.92	4.409e4	2.849e4	0.866	1.55	1.55	262.4	YES	NO	bb	bb	7.651
9	12389-PECDF	32.45	2.797e5	1.802e5	0.844	1.55	1.55	1491.2	YES	NO	bd	bb	49.397
10	123789-HxCDF	37.05	2.144e5	1.717e5	1.187	1.25	1.24	2224.3	YES	NO	bd	bd	48.130
11	234678-HxCDF	36.02	2.476e5	2.008e5	1.229	1.23	1.24	2516.2	YES	NO	bb	bd	48.370
12	123678-HxCDF	35.17	2.636e5	2.090e5	1.248	1.26	1.24	2610.2	YES	NO	dd	dd	46.137
13	123478-HxCDF	35.03	2.430e5	1.956e5	1.182	1.24	1.24	2532.6	YES	NO	bd	bd	47.614
14	123468-HXCDF	33.37	2.397e5	1.893e5	1.197	1.27	1.24	2352.8	YES	NO	bb	bb	45.953
15	Total-heptafurans	39.56	1.104e3	1.199e3	1.185	0.92	1.05	10.8	YES	NO	bb	bb	0.269
16	1234678-HpCDF	38.90	2.115e5	2.070e5	1.204	1.02	1.05	1924.5	YES	NO	bb	bb	45.396
17	Total-heptafurans	41.45	1.258e2	1.164e2	1.185	1.08	1.05	2.2	NO	NO	bb	bb	0.028
18	1234789-HpCDF	41.15	1.865e5	1.817e5	1.165	1.03	1.05	1506.9	YES	NO	bb	bb	46.627
19	OCDF	45.44	2.714e5	2.982e5	1.186	0.91	0.89	2575.7	YES	NO	bd	bd	91.126
20	13468-PECDF	27.26	3.163e5	1.994e5	1.013	1.59	1.55	6084.8	YES	NO	bb	bb	46.129

TD

	Compound	RT	Ion1Area	Ion2Area	RRF	Ratio	Pred R	S/N 1	SNFlag	EMPC	Int.1	Int.2	pg
1	2378-TCDD	26.54	4.262e4	5.354e4	1.236	0.80	0.77	472.3	YES	NO	bb	bb	9.505
2	Total-tetradioxins	26.21	6.185e4	7.656e4	1.099	0.81	0.77	439.5	YES	NO	bb	bb	15.396
3	Total-tetradioxins	25.72	1.965e4	2.493e4	1.099	0.79	0.77	212.3	YES	NO	bb	bb	4.959
4	Total-tetradioxins	24.86	1.951e3	2.441e3	1.099	0.80	0.77	13.4	YES	NO	bb	db	0.489
5	1368-TCDD	23.66	3.955e4	4.887e4	1.084	0.81	0.77	446.9	YES	NO	bb	bb	9.965
6	1289-TCDD	27.14	3.634e4	4.399e4	0.975	0.83	0.77	374.2	YES	NO	bd	bb	10.067

ID: CS3U2, Name: 23020913, Date: 09-Feb-2023, Time: 23:56:41, Conditions: AUTOSPEC01, User: pk

PD

	Compound	RT	Ion1Area	Ion2Area	RRF	Ratio	Pred R	S/N 1	SNFlag	EMPC	Int.1	Int.2	pg
1	12389-PECDD	32.06	2.591e5	1.611e5	1.252	1.61	1.55	2051.1	YES	NO	bb	bb	51.357
2	12378-PeCDD	31.66	2.204e5	1.413e5	1.087	1.56	1.55	1787.9	YES	NO	bb	bb	50.952
3	Total-pentadioxins	30.99	9.817e2	7.041e2	1.392	1.39	1.55	7.4	YES	NO	bb	bb	0.185
4	Total-pentadioxins	29.18	1.696e2	1.125e2	1.392	1.51	1.55	2.2	NO	NO	bb	bb	0.031
5	12479-PECDD	28.93	3.564e5	2.281e5	1.837	1.56	1.55	1765.9	YES	NO	bb	bb	48.707

HD

	Compound	RT	Ion1Area	Ion2Area	RRF	Ratio	Pred R	S/N 1	SNFlag	EMPC	Int.1	Int.2	pg
1	124679-HXCDD	34.14	1.928e5	1.602e5	1.033	1.20	1.24	2220.6	YES	NO	bb	bb	48.442
2	123789-HxCDD	36.64	1.981e5	1.647e5	0.985	1.20	1.24	2425.5	YES	NO	bb	bb	51.488
3	123678-HxCDD	36.25	2.014e5	1.627e5	1.021	1.24	1.24	2432.6	YES	NO	db	db	49.249
4	123478-HxCDD	36.14	1.899e5	1.566e5	0.987	1.21	1.24	2334.4	YES	NO	bd	bd	49.757

HPD

	Compound	RT	Ion1Area	Ion2Area	RRF	Ratio	Pred R	S/N 1	SNFlag	EMPC	Int.1	Int.2	pg
1	1234678-HpCDD	40.40	1.755e5	1.686e5	1.253	1.04	1.05	1735.5	YES	NO	bd	bd	46.287
2	1234679-HPCDD	39.35	1.980e5	1.848e5	1.286	1.07	1.05	1998.4	YES	NO	bd	bb	50.154

ID: CS3U2, Name: 23020913, Date: 09-Feb-2023, Time: 23:56:41, Conditions: AUTOSPEC01, User: pk

Dioxins,TD,PD,HD,HPD,OD

	Compound	RT	Ion1Area	Ion2Area	RRF	Ratio	Pred R	S/N 1	SNFlag	EMPC	Int.1	Int.2	pg
1	2378-TCDD	26.54	4.262e4	5.354e4	1.236	0.80	0.77	472.3	YES	NO	bb	bb	9.505
2	Total-tetradioxins	26.21	6.185e4	7.656e4	1.099	0.81	0.77	439.5	YES	NO	bb	bb	15.396
3	Total-tetradioxins	25.72	1.965e4	2.493e4	1.099	0.79	0.77	212.3	YES	NO	bb	bb	4.959
4	Total-tetradioxins	24.86	1.951e3	2.441e3	1.099	0.80	0.77	13.4	YES	NO	bb	db	0.489
5	1368-TCDD	23.66	3.955e4	4.887e4	1.084	0.81	0.77	446.9	YES	NO	bb	bb	9.965
6	1289-TCDD	27.14	3.634e4	4.399e4	0.975	0.83	0.77	374.2	YES	NO	bd	bb	10.067
7	12389-PECDD	32.06	2.591e5	1.611e5	1.252	1.61	1.55	2051.1	YES	NO	bb	bb	51.357
8	12378-PeCDD	31.66	2.204e5	1.413e5	1.087	1.56	1.55	1787.9	YES	NO	bb	bb	50.952
9	Total-pentadioxins	30.99	9.817e2	7.041e2	1.392	1.39	1.55	7.4	YES	NO	bb	bb	0.185
10	Total-pentadioxins	29.18	1.696e2	1.125e2	1.392	1.51	1.55	2.2	NO	NO	bb	bb	0.031
11	12479-PECDD	28.93	3.564e5	2.281e5	1.837	1.56	1.55	1765.9	YES	NO	bb	bb	48.707
12	124679-HXCDD	34.14	1.928e5	1.602e5	1.033	1.20	1.24	2220.6	YES	NO	bb	bb	48.442
13	123789-HxCDD	36.64	1.981e5	1.647e5	0.985	1.20	1.24	2425.5	YES	NO	bb	bb	51.488
14	123678-HxCDD	36.25	2.014e5	1.627e5	1.021	1.24	1.24	2432.6	YES	NO	db	db	49.249
15	123478-HxCDD	36.14	1.899e5	1.566e5	0.987	1.21	1.24	2334.4	YES	NO	bd	bd	49.757
16	1234678-HpCDD	40.40	1.755e5	1.686e5	1.253	1.04	1.05	1735.5	YES	NO	bd	bd	46.287
17	1234679-HPCDD	39.35	1.980e5	1.848e5	1.286	1.07	1.05	1998.4	YES	NO	bd	bb	50.154
18	OCDD	45.21	2.617e5	2.972e5	1.103	0.88	0.89	2283.8	YES	NO	bd	bd	96.179

ID: CS3U2, Name: 23020913, Date: 09-Feb-2023, Time: 23:56:41, Conditions: AUTOSPEC01, User: pk

TotalTEQ,Furans,Dioxins

	Compound	RT	Ion1Area	Ion2Area	RRF	Ratio	Pred R	S/N 1	SNFlag	EMPC	Int.1	Int.2	pg
1	1289-TCDF	27.40	4.367e4	5.766e4	0.858	0.76	0.77	538.8	YES	NO	db	db	9.917
2	Total-tetrafurans	27.27	1.095e3	1.377e3	0.933	0.80	0.77	15.9	YES	NO	bd	bd	0.222
3	2378-TCDF	25.90	4.540e4	5.880e4	0.876	0.77	0.77	573.3	YES	NO	bb	bb	9.983
4	Total-tetrafurans	24.67	2.183e2	2.590e2	0.933	0.84	0.77	3.4	YES	NO	db	bd	0.043
5	1368-TCDF	22.38	5.178e4	6.929e4	1.064	0.75	0.77	668.3	YES	NO	bb	bb	9.547
6	23478-PeCDF	31.41	3.011e5	1.978e5	0.911	1.52	1.55	1692.8	YES	NO	bb	bb	50.413
7	12378-PeCDF	30.08	2.786e5	1.835e5	0.845	1.52	1.55	1559.6	YES	NO	bb	bb	49.569
8	Total-pentafurans	28.92	4.409e4	2.849e4	0.866	1.55	1.55	262.4	YES	NO	bb	bb	7.651
9	12389-PECDF	32.45	2.797e5	1.802e5	0.844	1.55	1.55	1491.2	YES	NO	bd	bb	49.397
10	123789-HxCDF	37.05	2.144e5	1.717e5	1.187	1.25	1.24	2224.3	YES	NO	bd	bd	48.130
11	234678-HxCDF	36.02	2.476e5	2.008e5	1.229	1.23	1.24	2516.2	YES	NO	bb	bd	48.370
12	123678-HxCDF	35.17	2.636e5	2.090e5	1.248	1.26	1.24	2610.2	YES	NO	dd	dd	46.137
13	123478-HxCDF	35.03	2.430e5	1.956e5	1.182	1.24	1.24	2532.6	YES	NO	bd	bd	47.614
14	123468-HXCDF	33.37	2.397e5	1.893e5	1.197	1.27	1.24	2352.8	YES	NO	bb	bb	45.953
15	Total-heptafurans	39.56	1.104e3	1.199e3	1.185	0.92	1.05	10.8	YES	NO	bb	bb	0.269
16	1234678-HpCDF	38.90	2.115e5	2.070e5	1.204	1.02	1.05	1924.5	YES	NO	bb	bb	45.396
17	Total-heptafurans	41.45	1.258e2	1.164e2	1.185	1.08	1.05	2.2	NO	NO	bb	bb	0.028
18	1234789-HpCDF	41.15	1.865e5	1.817e5	1.165	1.03	1.05	1506.9	YES	NO	bb	bb	46.627
19	OCDF	45.44	2.714e5	2.982e5	1.186	0.91	0.89	2575.7	YES	NO	bd	bd	91.126
20	13468-PECDF	27.26	3.163e5	1.994e5	1.013	1.59	1.55	6084.8	YES	NO	bb	bb	46.129
21	2378-TCDD	26.54	4.262e4	5.354e4	1.236	0.80	0.77	472.3	YES	NO	bb	bb	9.505
22	Total-tetradioxins	26.21	6.185e4	7.656e4	1.099	0.81	0.77	439.5	YES	NO	bb	bb	15.396
23	Total-tetradioxins	25.72	1.965e4	2.493e4	1.099	0.79	0.77	212.3	YES	NO	bb	bb	4.959
24	Total-tetradioxins	24.86	1.951e3	2.441e3	1.099	0.80	0.77	13.4	YES	NO	bb	db	0.489
25	1368-TCDD	23.66	3.955e4	4.887e4	1.084	0.81	0.77	446.9	YES	NO	bb	bb	9.965
26	1289-TCDD	27.14	3.634e4	4.399e4	0.975	0.83	0.77	374.2	YES	NO	bd	bb	10.067
27	12389-PECDD	32.06	2.591e5	1.611e5	1.252	1.61	1.55	2051.1	YES	NO	bb	bb	51.357
28	12378-PeCDD	31.66	2.204e5	1.413e5	1.087	1.56	1.55	1787.9	YES	NO	bb	bb	50.952
29	Total-pentadioxins	30.99	9.817e2	7.041e2	1.392	1.39	1.55	7.4	YES	NO	bb	bb	0.185
30	Total-pentadioxins	29.18	1.696e2	1.125e2	1.392	1.51	1.55	2.2	NO	NO	bb	bb	0.031
31	12479-PECDD	28.93	3.564e5	2.281e5	1.837	1.56	1.55	1765.9	YES	NO	bb	bb	48.707
32	124679-HXCDD	34.14	1.928e5	1.602e5	1.033	1.20	1.24	2220.6	YES	NO	bb	bb	48.442
33	123789-HxCDD	36.64	1.981e5	1.647e5	0.985	1.20	1.24	2425.5	YES	NO	bb	bb	51.488
34	123678-HxCDD	36.25	2.014e5	1.627e5	1.021	1.24	1.24	2432.6	YES	NO	db	db	49.249
35	123478-HxCDD	36.14	1.899e5	1.566e5	0.987	1.21	1.24	2334.4	YES	NO	bd	bd	49.757
36	1234678-HpCDD	40.40	1.755e5	1.686e5	1.253	1.04	1.05	1735.5	YES	NO	bd	bd	46.287
37	1234679-HPCDD	39.35	1.980e5	1.848e5	1.286	1.07	1.05	1998.4	YES	NO	bd	bb	50.154

ID: CS3U2, Name: 23020913, Date: 09-Feb-2023, Time: 23:56:41, Conditions: AUTOSPEC01, User: pk

TotalTEQ,Furans,Dioxins

	Compound	RT	Ion1Area	Ion2Area	RRF	Ratio	Pred R	S/N 1	SNFlag	EMPC	Int.1	Int.2	pg
38	OCDD	45.21	2.617e5	2.972e5	1.103	0.88	0.89	2283.8	YES	NO	bd	bd	96.179

PFK1

	Compound	RT	Ion1Area	Ion2Area	RRF	Ratio	Pred R	S/N 1	SNFlag	EMPC	Int.1	Int.2	pg
1	FUNCTION1 PFK	26.45	6.807e7					18.5	YES		bb		

PFK2

	Compound	RT	Ion1Area	Ion2Area	RRF	Ratio	Pred R	S/N 1	SNFlag	EMPC	Int.1	Int.2	pg
1	FUNCTION2 PFK	29.26	5.764e3					1.2	NO		bb		0.000
2	FUNCTION2 PFK	28.65	7.888e3					1.4	NO		bb		0.000
3	FUNCTION2 PFK	28.50	4.789e3					1.0	NO		bb		0.000
4	FUNCTION2 PFK	28.42	2.946e3					0.8	NO		bb		0.000
5	FUNCTION2 PFK	32.50	8.340e3					1.4	NO		bb		0.000
6	FUNCTION2 PFK	31.84	2.934e3					0.8	NO		bb		0.000
7	FUNCTION2 PFK	31.72	4.245e3					1.0	NO		db		0.000
8	FUNCTION2 PFK	31.66	9.557e3					1.3	NO		bd		0.000
9	FUNCTION2 PFK	31.48	1.747e4					1.6	NO		db		0.000
10	FUNCTION2 PFK	31.41	5.302e3					1.1	NO		bd		0.000
11	FUNCTION2 PFK	31.16	4.228e3					0.9	NO		bb		0.000
12	FUNCTION2 PFK	30.96	5.898e3					1.3	NO		bb		0.000
13	FUNCTION2 PFK	30.67	8.097e3					1.6	NO		bb		0.000
14	FUNCTION2 PFK	29.96	3.752e3					0.9	NO		bb		0.000
15	FUNCTION2 PFK	29.92	1.024e4					2.3	NO		bb		0.000
16	FUNCTION2 PFK	29.67	9.722e2					0.5	NO		bb		0.000
17	FUNCTION2 PFK	29.46	1.190e4					1.9	NO		db		0.000
18	FUNCTION2 PFK	29.41	1.120e4					1.7	NO		bd		0.000

ID: CS3U2, Name: 23020913, Date: 09-Feb-2023, Time: 23:56:41, Conditions: AUTOSPEC01, User: pk

PFK3

	Compound	RT	Ion1Area	Ion2Area	RRF	Ratio	Pred R	S/N 1	SNFlag	EMPC	Int.1	Int.2	pg
1	FUNCTION3 PFK	33.50	4.586e3					1.0	NO		bb		0.000
2	FUNCTION3 PFK	35.98	1.525e4					1.8	NO		bb		0.000
3	FUNCTION3 PFK	35.82	1.664e4					2.1	NO		bb		0.000
4	FUNCTION3 PFK	35.59	5.735e3					1.1	NO		bb		0.000
5	FUNCTION3 PFK	35.47	5.843e3					1.1	NO		bb		0.000
6	FUNCTION3 PFK	35.19	7.325e3					1.4	NO		bb		0.000
7	FUNCTION3 PFK	35.13	5.030e3					0.9	NO		bb		0.000
8	FUNCTION3 PFK	34.82	2.571e3					0.5	NO		bb		0.000
9	FUNCTION3 PFK	34.31	3.653e3					0.7	NO		db		0.000
10	FUNCTION3 PFK	34.25	5.159e3					1.0	NO		bd		0.000
11	FUNCTION3 PFK	34.18	5.902e3					0.8	NO		bb		0.000
12	FUNCTION3 PFK	34.06	8.699e3					1.3	NO		bb		0.000
13	FUNCTION3 PFK	33.85	3.418e3					0.8	NO		bb		0.000
14	FUNCTION3 PFK	33.79	1.027e4					1.4	NO		bb		0.000
15	FUNCTION3 PFK	33.74	8.239e2					0.4	NO		bb		0.000
16	FUNCTION3 PFK	33.61	1.263e3					0.4	NO		bb		0.000
17	FUNCTION3 PFK	33.56	1.007e4					1.3	NO		bb		0.000
18	FUNCTION3 PFK	37.96	9.334e2					0.4	NO		bb		0.000
19	FUNCTION3 PFK	37.91	3.751e3					0.8	NO		db		0.000
20	FUNCTION3 PFK	37.86	7.040e3					1.3	NO		dd		0.000
21	FUNCTION3 PFK	37.80	6.503e3					1.2	NO		bd		0.000
22	FUNCTION3 PFK	37.61	1.362e4					1.6	NO		bb		0.000
23	FUNCTION3 PFK	37.50	1.628e4					1.6	NO		db		0.000
24	FUNCTION3 PFK	37.45	5.669e3					1.0	NO		bd		0.000
25	FUNCTION3 PFK	37.17	5.925e3					1.3	NO		db		0.000
26	FUNCTION3 PFK	37.14	9.751e3					1.4	NO		bd		0.000
27	FUNCTION3 PFK	36.48	1.069e4					1.2	NO		bb		0.000
28	FUNCTION3 PFK	36.29	5.498e3					1.2	NO		bb		0.000

PFK4

	Compound	RT	Ion1Area	Ion2Area	RRF	Ratio	Pred R	S/N 1	SNFlag	EMPC	Int.1	Int.2	pg
1	FUNCTION4 PFK	41.47	1.182e4					2.2	NO		bb		
2	FUNCTION4 PFK	38.46	7.525e6					41.3	YES		bb		

ID: CS3U2, Name: 23020913, Date: 09-Feb-2023, Time: 23:56:41, Conditions: AUTOSPEC01, User: pk

PFK5

	Compound	RT	Ion1Area	Ion2Area	RRF	Ratio	Pred R	S/N 1	SNFlag	EMPC	Int.1	Int.2	pg
1	FUNCTION5 PFK	43.74	2.913e3					1.6	NO		bb		

ETHERS1

	Compound	RT	Ion1Area	Ion2Area	RRF	Ratio	Pred R	S/N 1	SNFlag	EMPC	Int.1	Int.2	pg
1	FUNCTION1 HXCD...	26.57	8.604e1					1.4	NO		bb		0.000
2	FUNCTION1 HXCD...	25.38	8.145e1					1.4	NO		bb		0.000
3	FUNCTION1 HXCD...	24.90	2.246e2					3.0	YES		bb		0.000
4	FUNCTION1 HXCD...	24.56	1.440e2					2.6	NO		bb		0.000
5	FUNCTION1 HXCD...	22.53	7.360e1					1.6	NO		bb		0.000
6	FUNCTION1 HXCD...	22.14	8.283e1					1.3	NO		db		0.000
7	FUNCTION1 HXCD...	22.02	1.365e2					2.3	NO		bd		0.000
8	FUNCTION1 HXCD...	21.58	1.144e2					1.6	NO		bb		0.000

ETHERS2

	Compound	RT	Ion1Area	Ion2Area	RRF	Ratio	Pred R	S/N 1	SNFlag	EMPC	Int.1	Int.2	pg
1													

ETHERS3

	Compound	RT	Ion1Area	Ion2Area	RRF	Ratio	Pred R	S/N 1	SNFlag	EMPC	Int.1	Int.2	pg
1	FUNCTION2 HPCD...	31.25	8.947e1					4.0	YES		db		0.000
2	FUNCTION2 HPCD...	31.23	1.095e2					3.5	YES		bd		0.000
3	FUNCTION2 HPCD...	29.93	1.152e2					3.1	YES		bb		0.000

ETHERS4

	Compound	RT	Ion1Area	Ion2Area	RRF	Ratio	Pred R	S/N 1	SNFlag	EMPC	Int.1	Int.2	pg
1	FUNCTION3 OCDPE	36.13	9.531e1					2.6	NO		bd		0.000
2	FUNCTION3 OCDPE	35.04	7.238e1					1.5	NO		bb		0.000
3	FUNCTION3 OCDPE	36.64	1.702e2					2.9	NO		bb		0.000
4	FUNCTION3 OCDPE	36.24	1.577e2					3.2	YES		db		0.000

ID: CS3U2, Name: 23020913, Date: 09-Feb-2023, Time: 23:56:41, Conditions: AUTOSPEC01, User: pk

ETHERS5

	Compound	RT	Ion1Area	Ion2Area	RRF	Ratio	Pred R	S/N 1	SNFlag	EMPC	Int.1	Int.2	pg
1	FUNCTION4 NCDPE	42.32	1.302e2					4.3	YES		bb		0.000
2	FUNCTION4 NCDPE	41.78	8.584e1					3.6	YES		bb		0.000

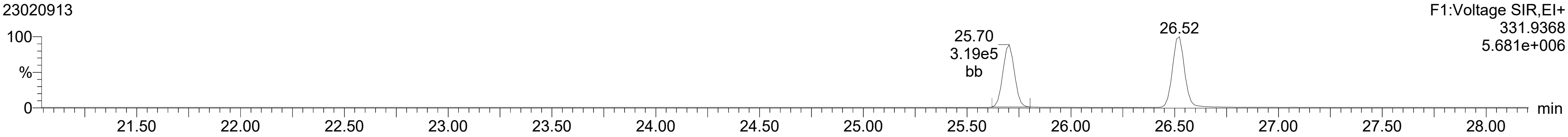
ETHERS6

	Compound	RT	Ion1Area	Ion2Area	RRF	Ratio	Pred R	S/N 1	SNFlag	EMPC	Int.1	Int.2	pg
1	FUNCTION5 DCDPE	45.22	9.542e1					2.3	NO		bb		0.000
2	FUNCTION5 DCDPE	43.46	7.732e1					2.5	NO		bb		0.000

Method: T:\Autospec\Methods\Dioxin230206.mdb 09 Feb 2023 15:53:04
Calibration: T:\Autospec\Curves\230201ICIH.cdb 03 Feb 2023 10:33:40

ID: CS3U2, Name: 23020913, Date: 09-Feb-2023, Time: 23:56:41, Conditions: AUTOSPEC01, User: pk

13C-1234-TCDD



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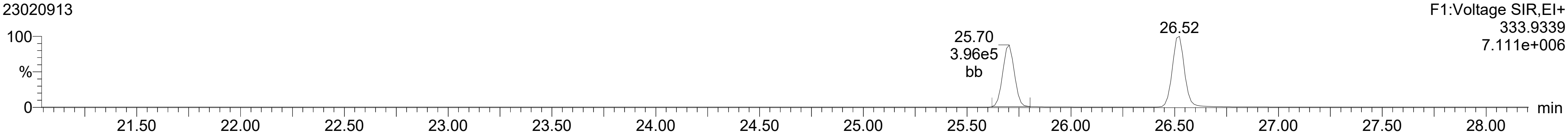

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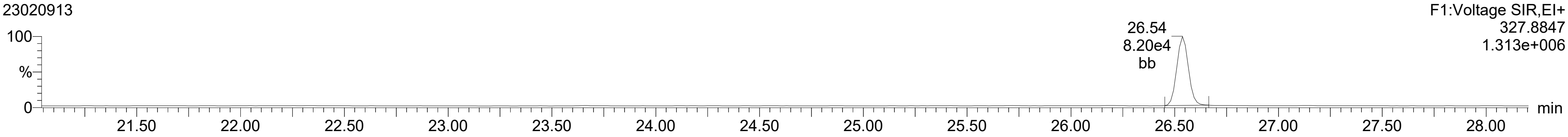

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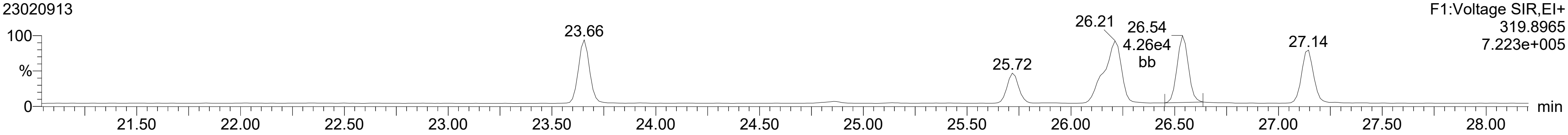

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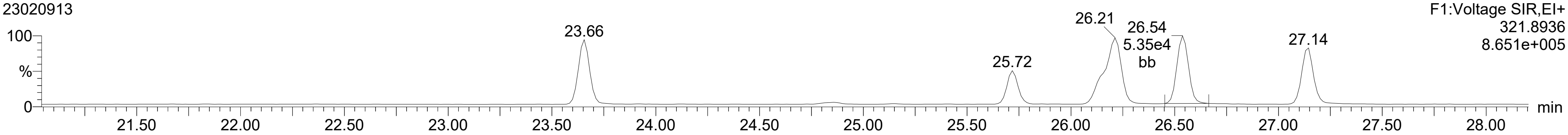

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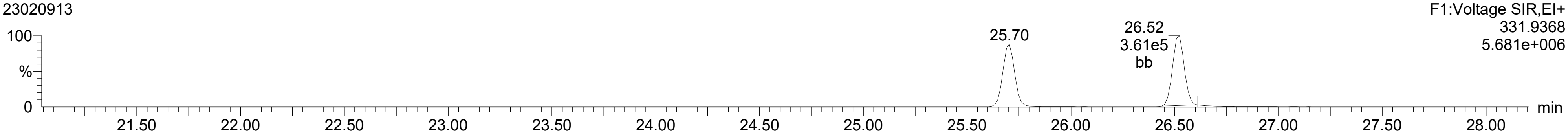

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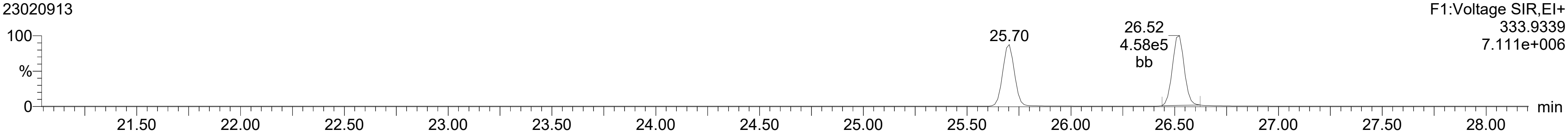

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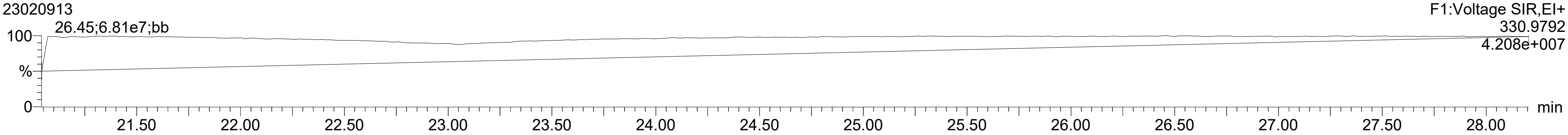

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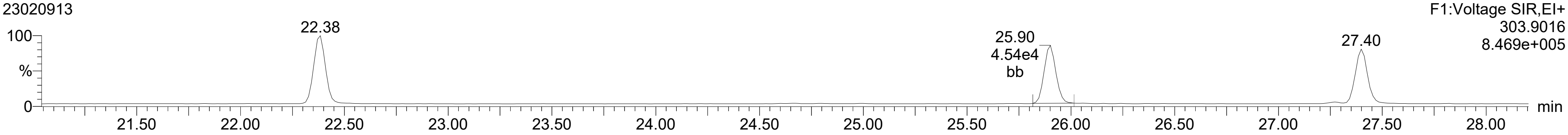

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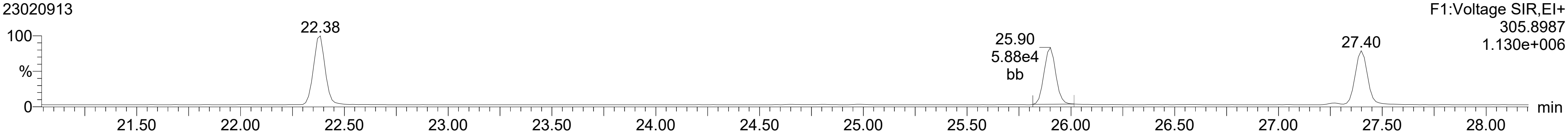

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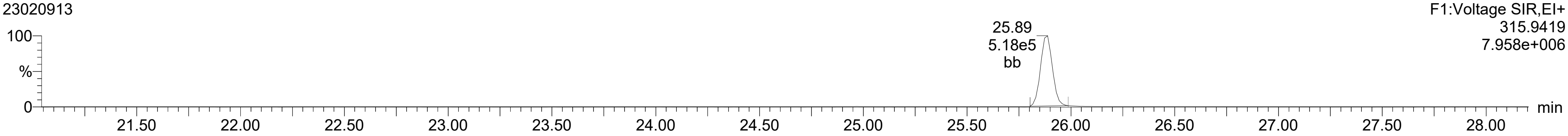

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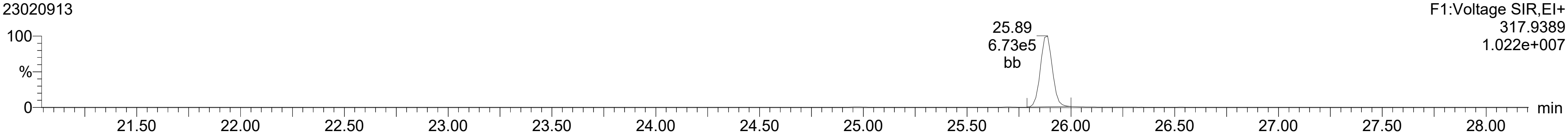

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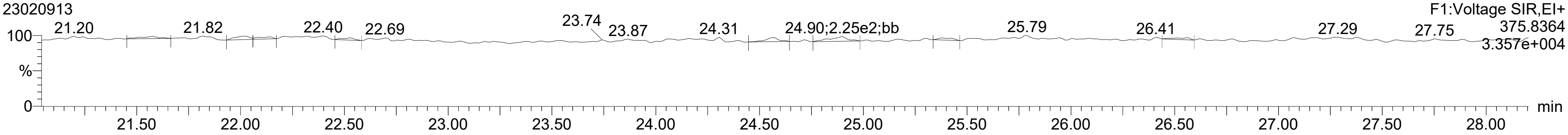

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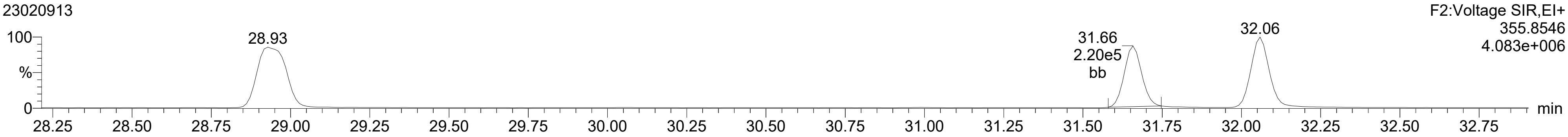
12378-PeCDD



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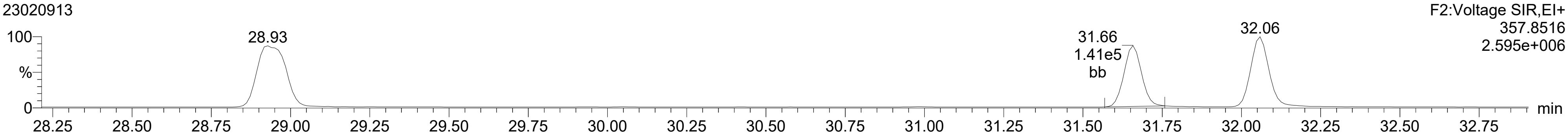

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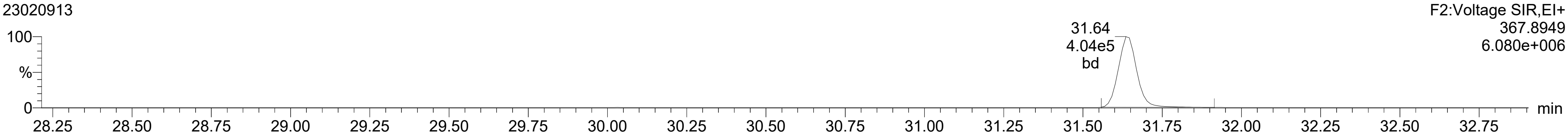

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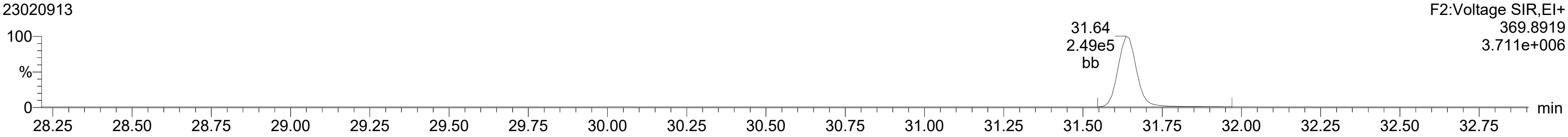

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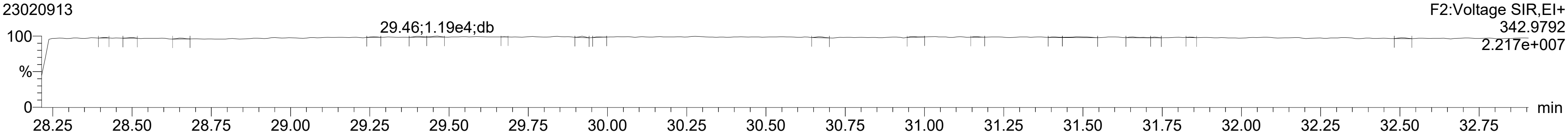

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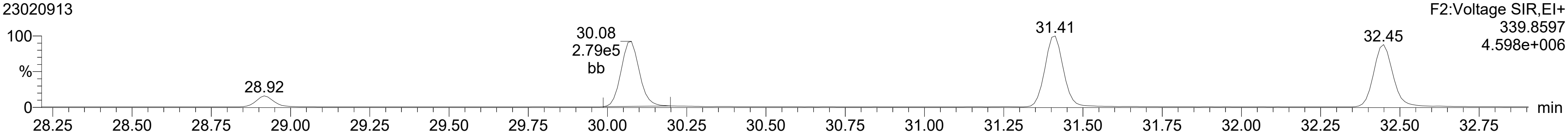

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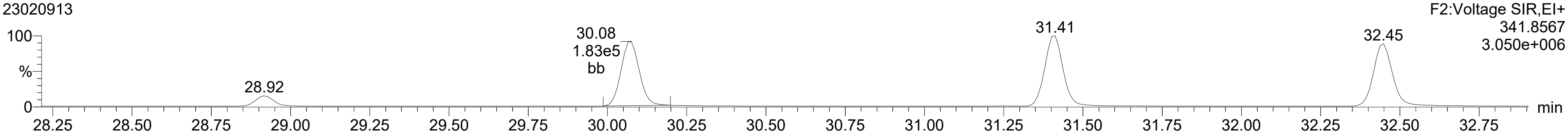

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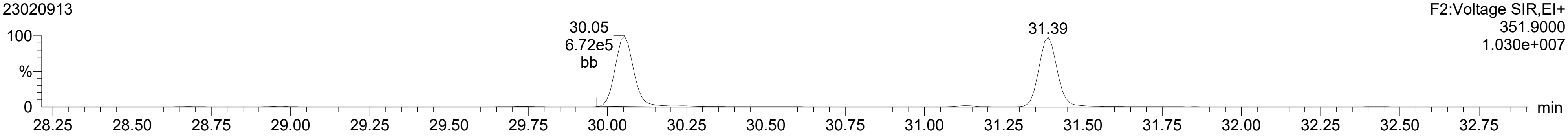

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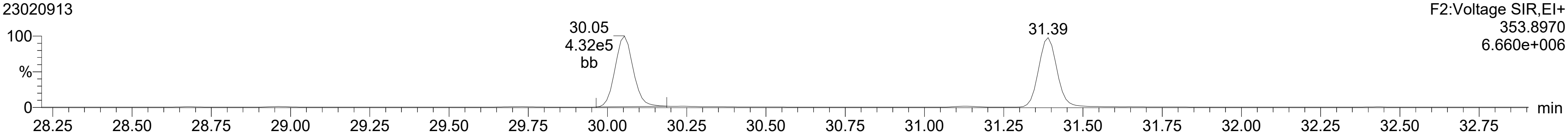

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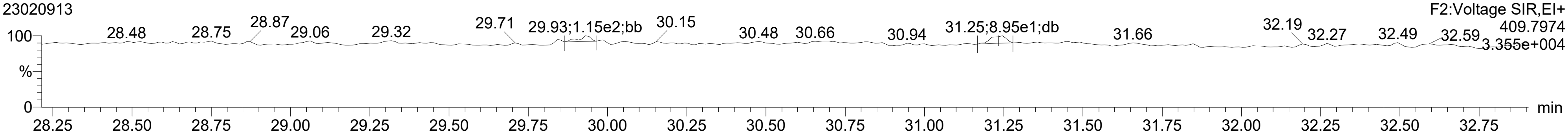

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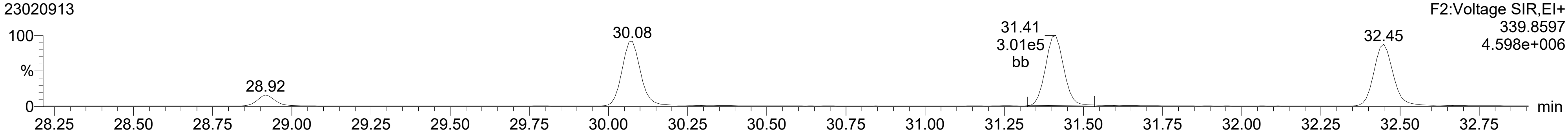

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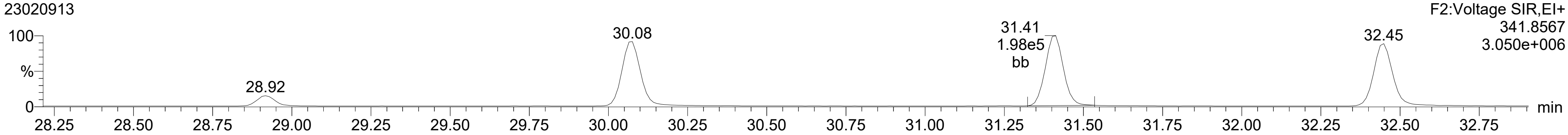

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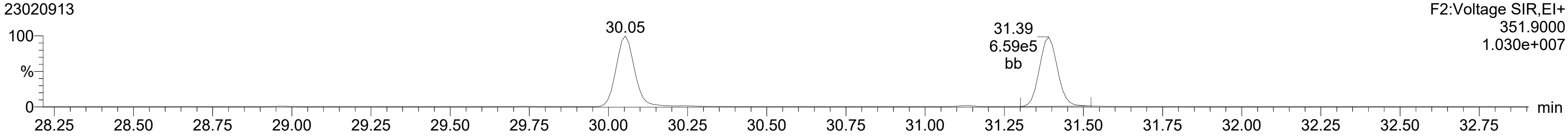

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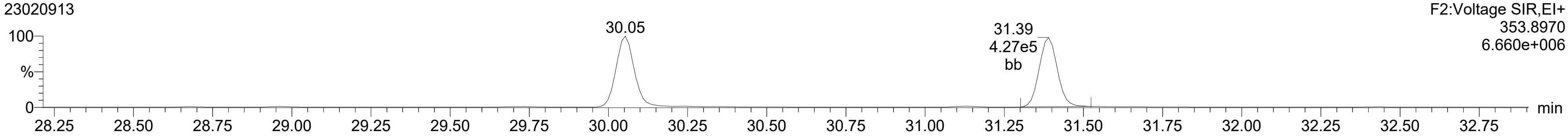

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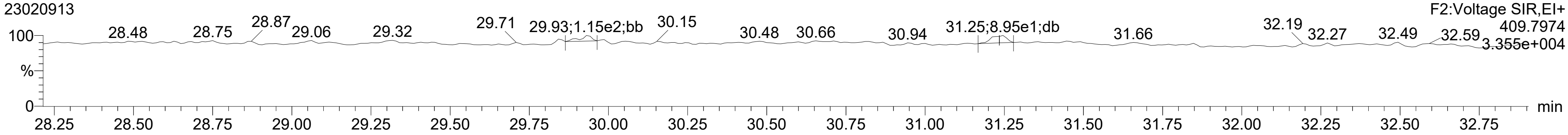

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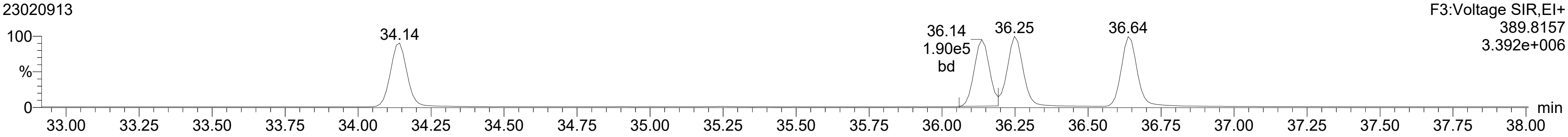
123478-HxCDD



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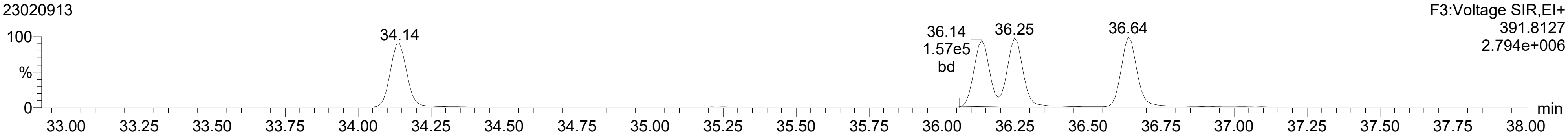

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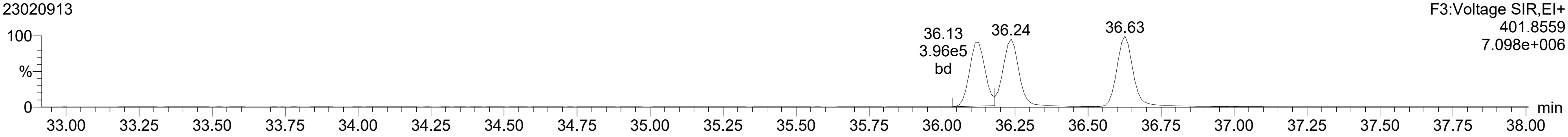

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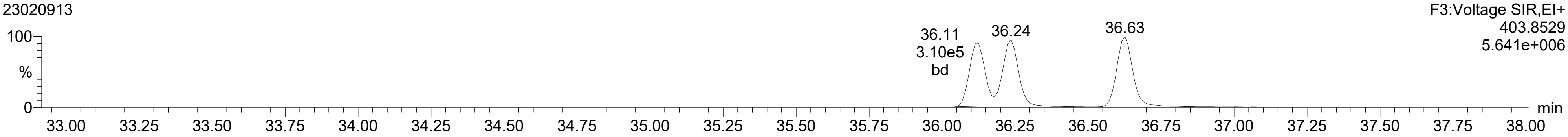
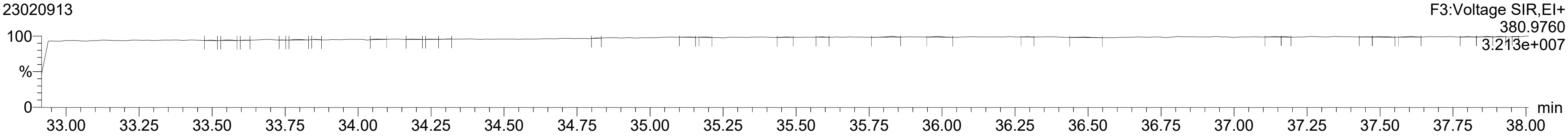


FUNCTION3 PFK



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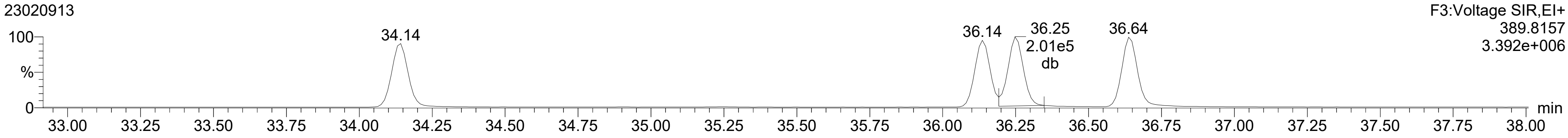
123678-HxCDD



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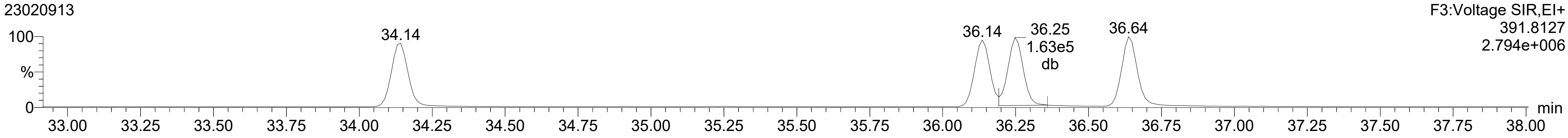

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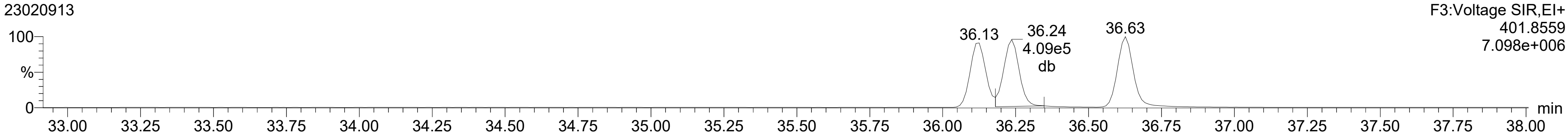

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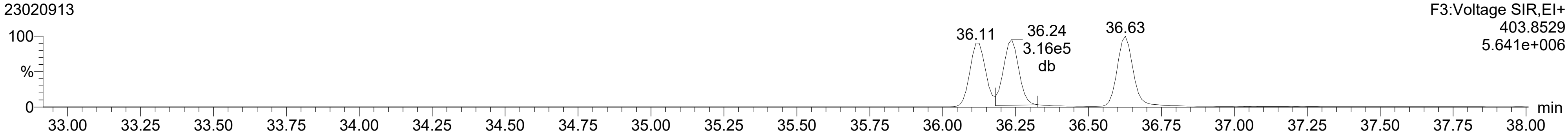

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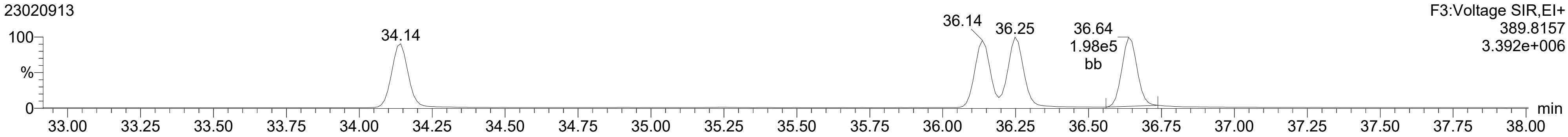
123789-HxCDD



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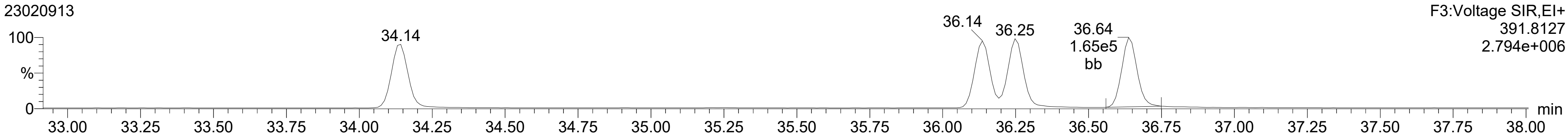

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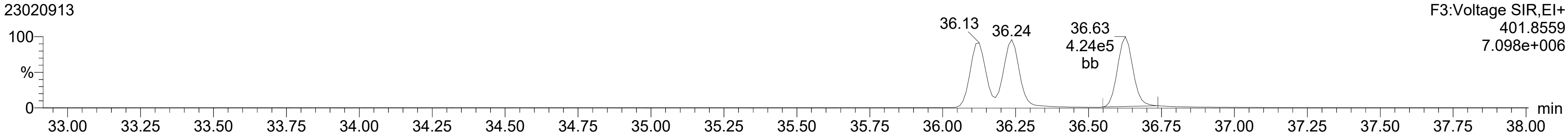

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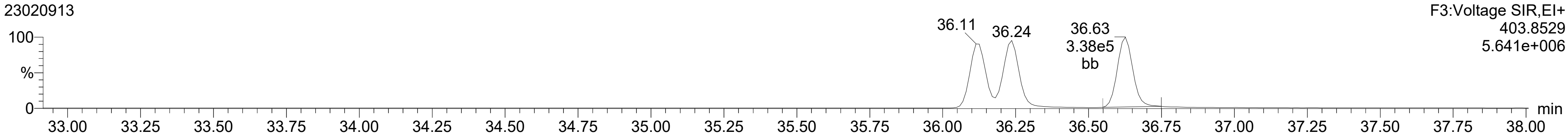

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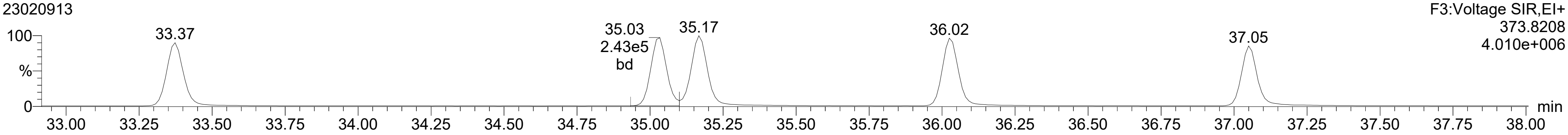

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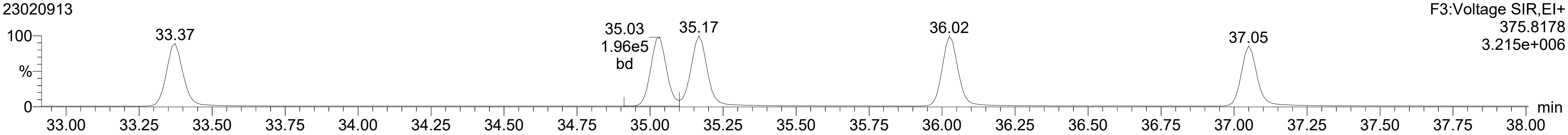

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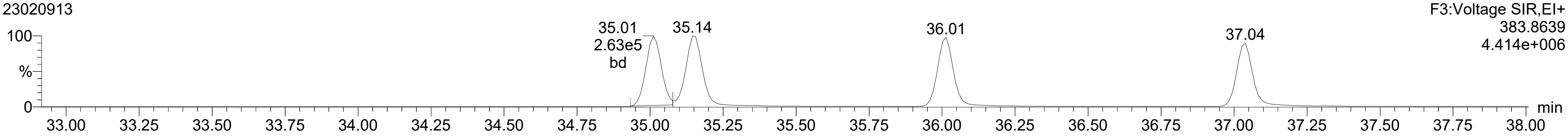

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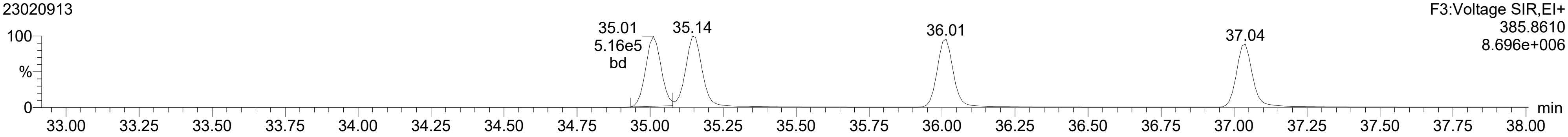

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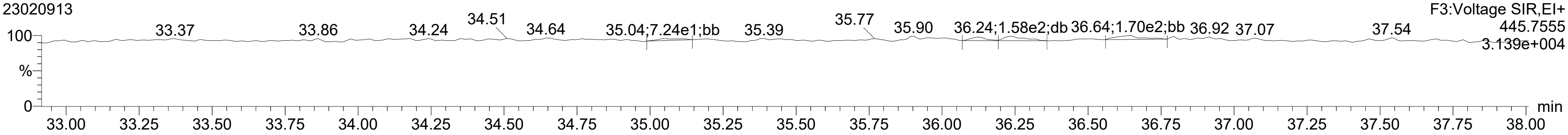

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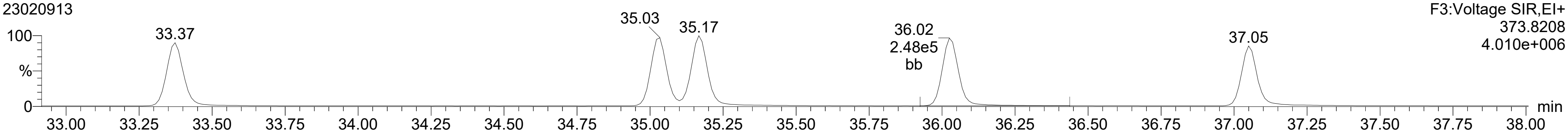

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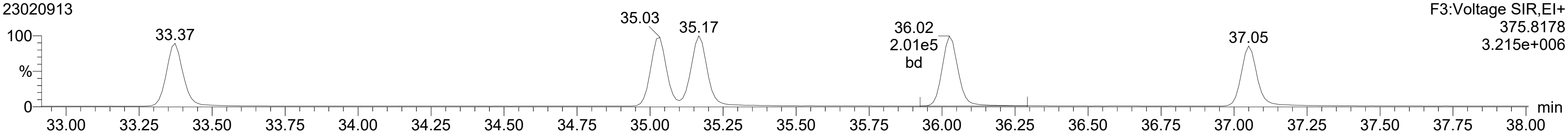

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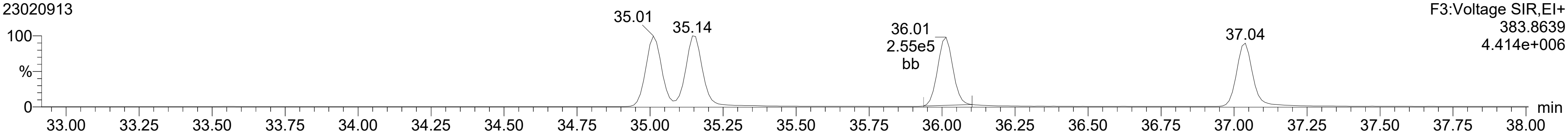

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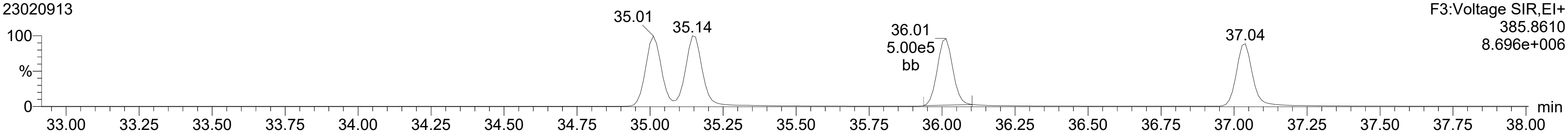

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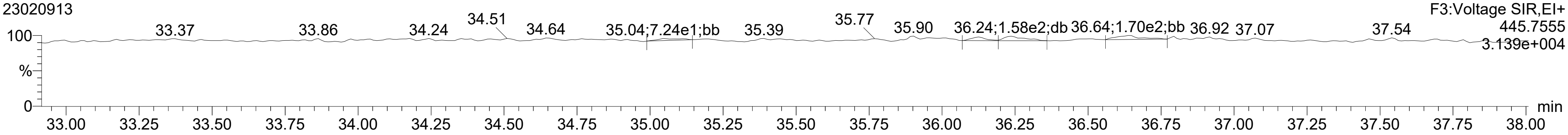

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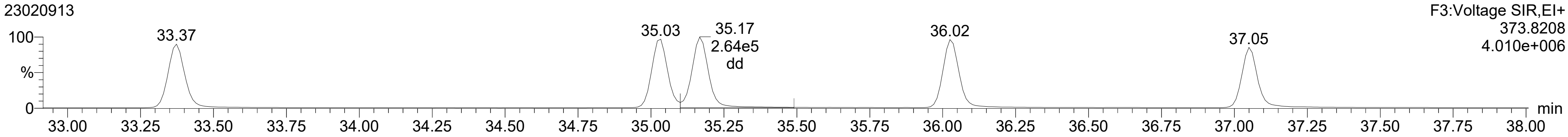

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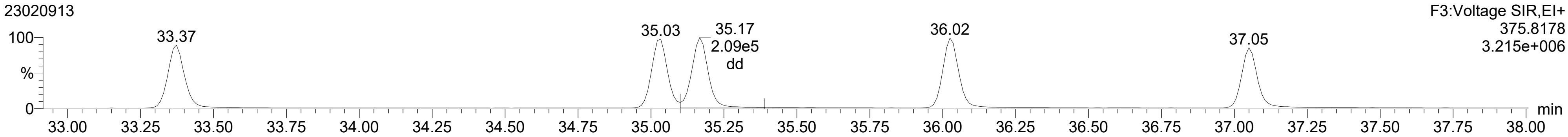

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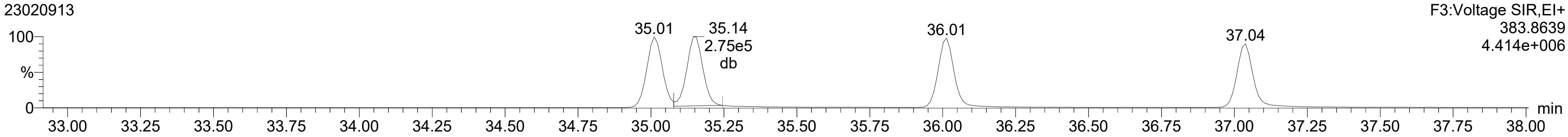

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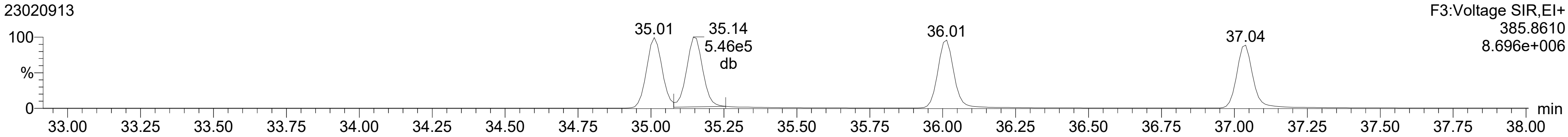

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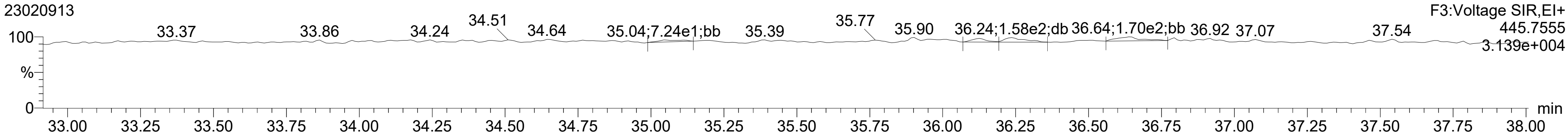

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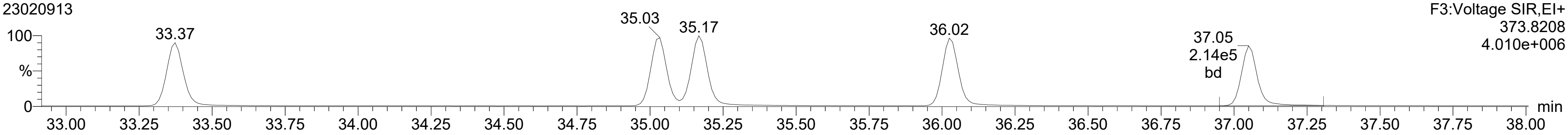

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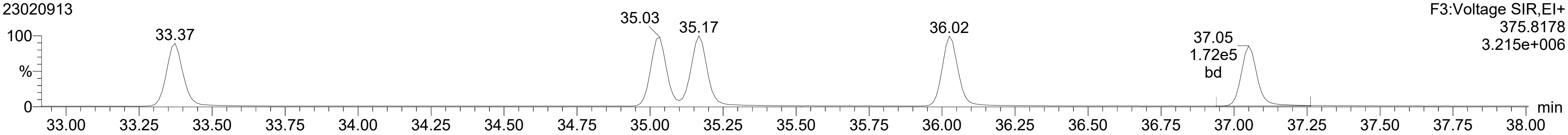

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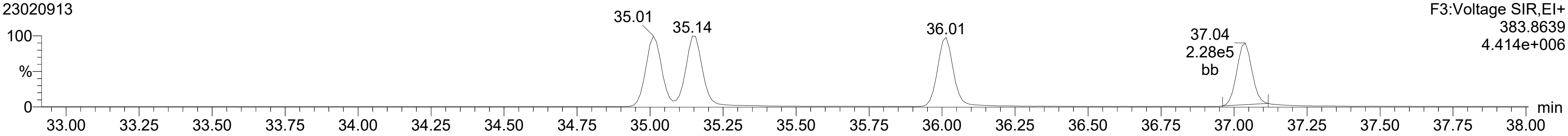

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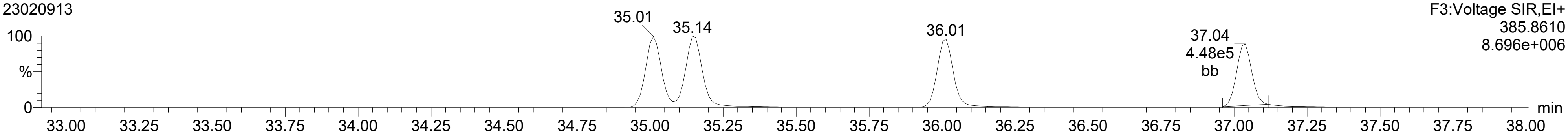

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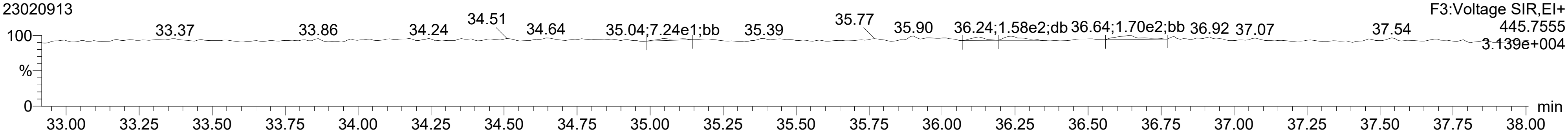

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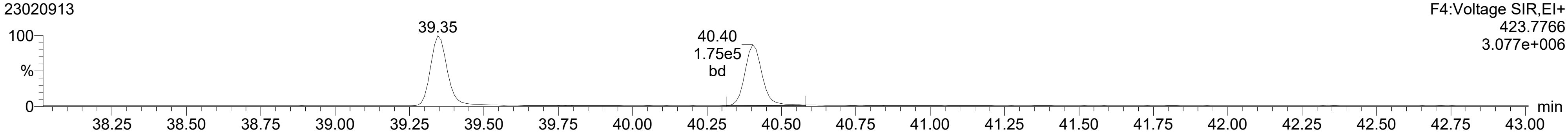

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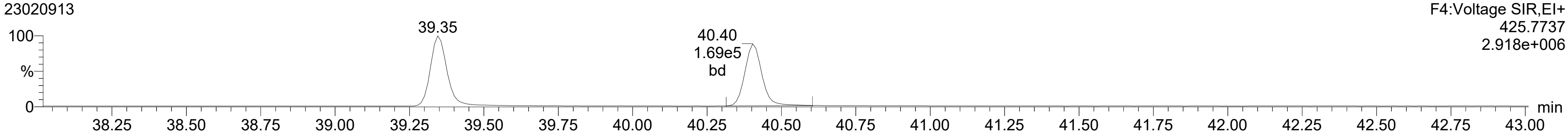

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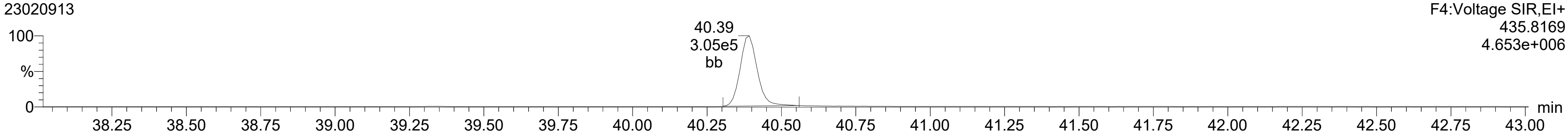

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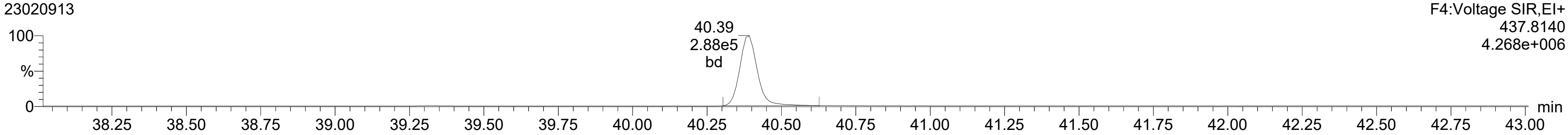

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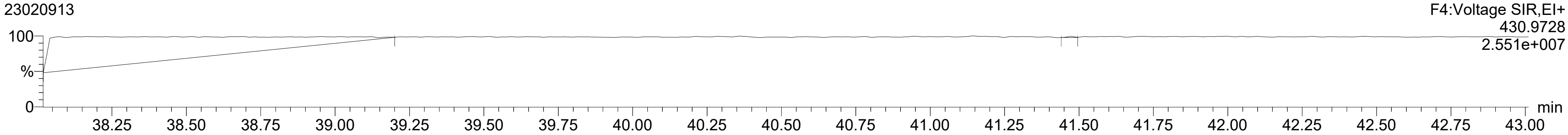

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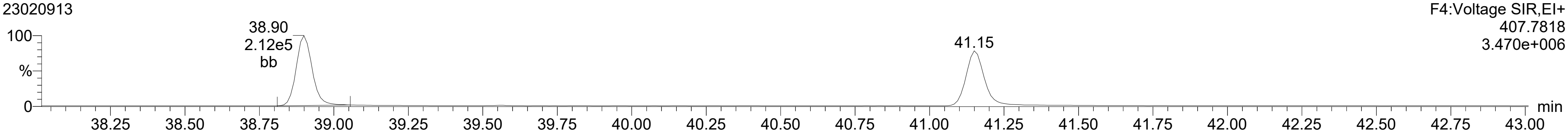

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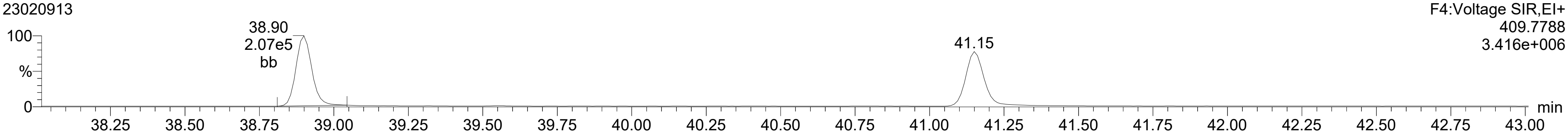

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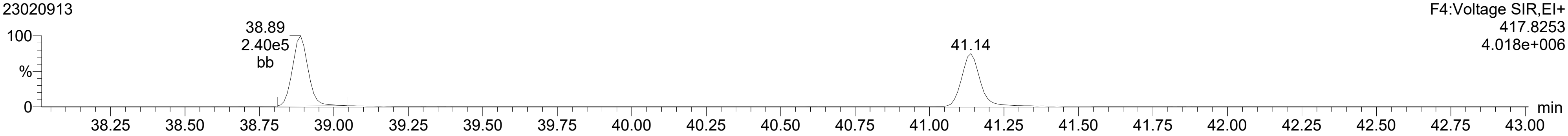

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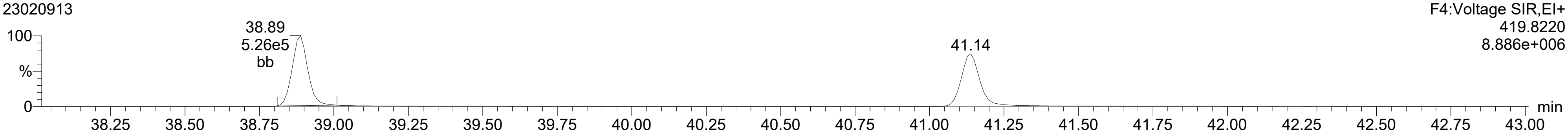

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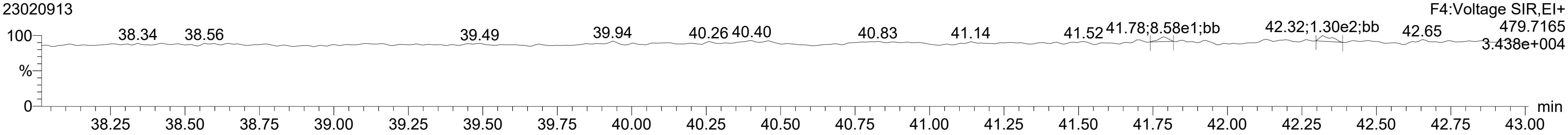

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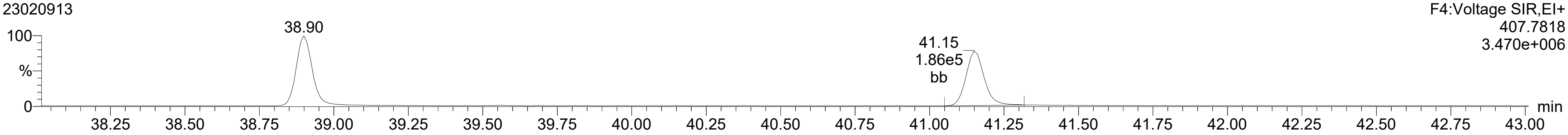

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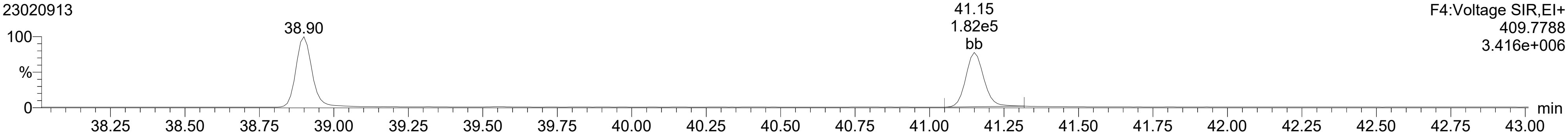

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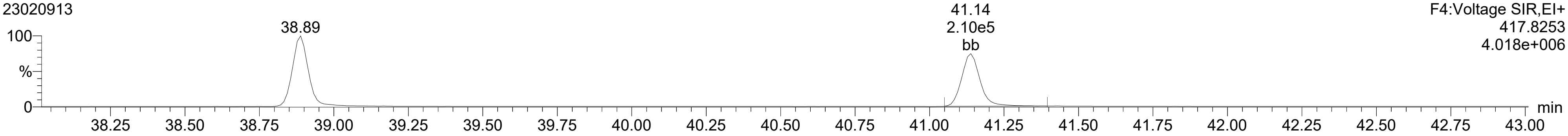

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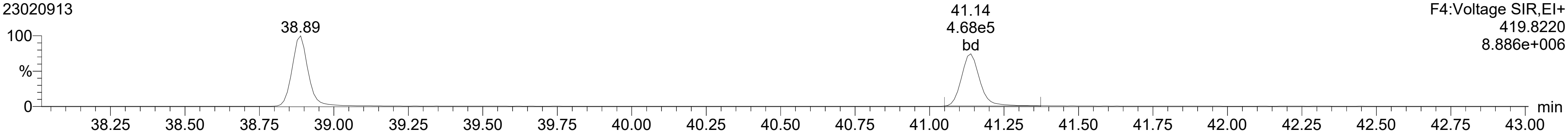

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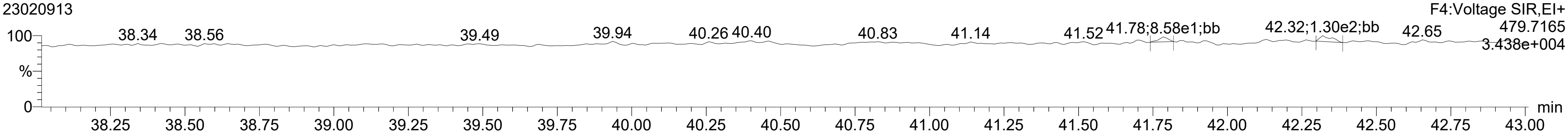

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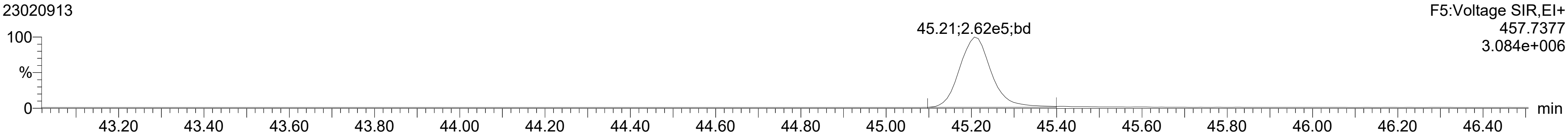
OCDD



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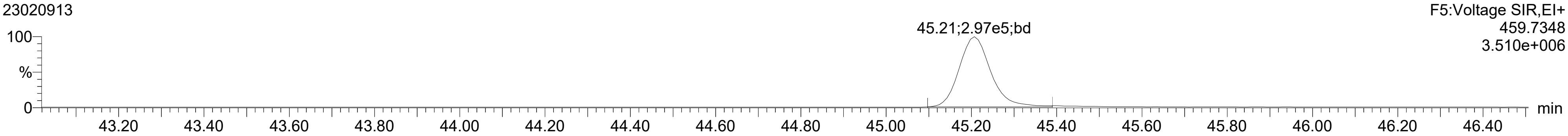

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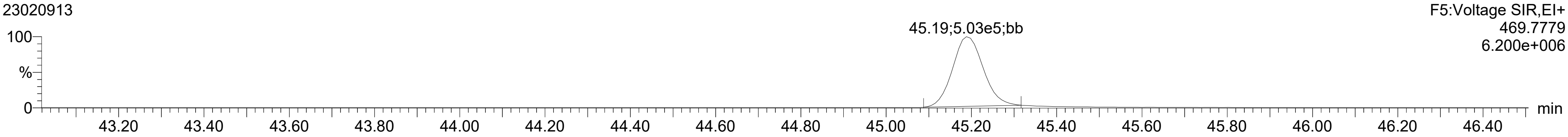

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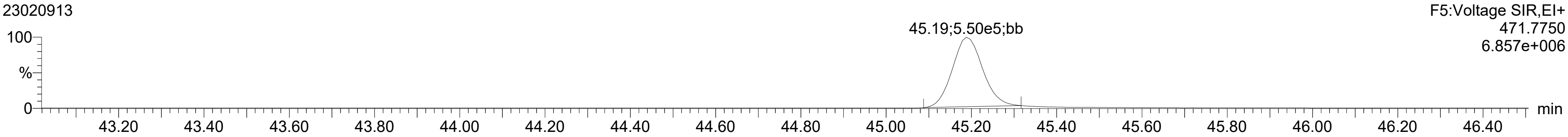

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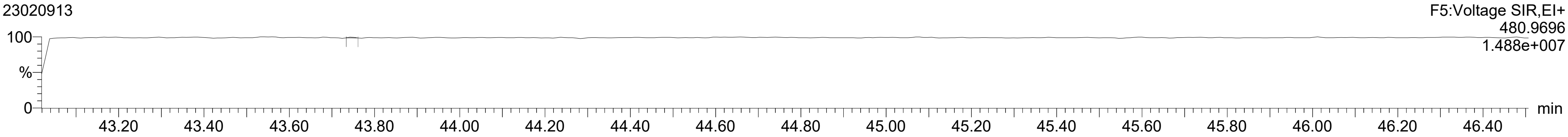

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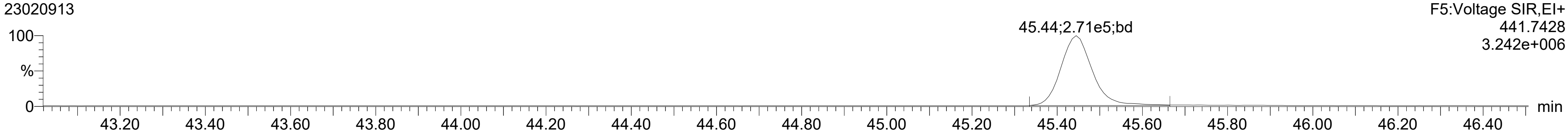

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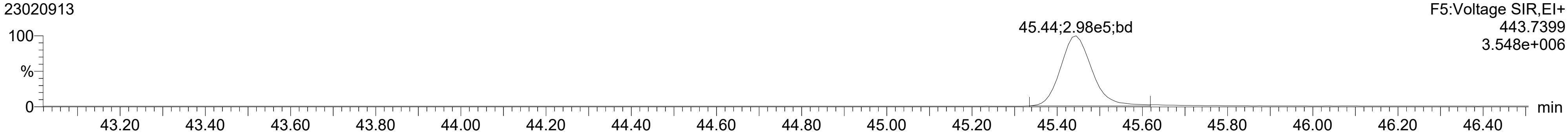

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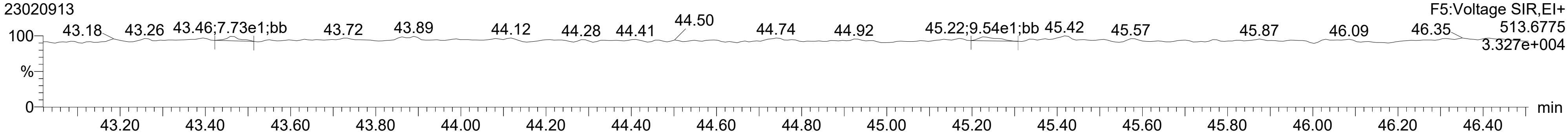

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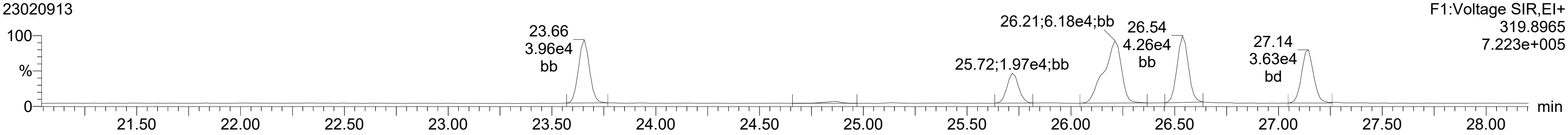
Total-tetradioxins



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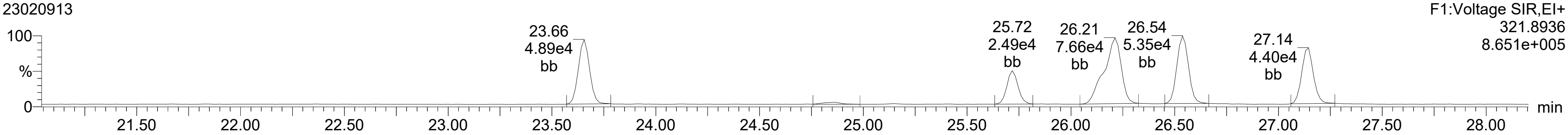

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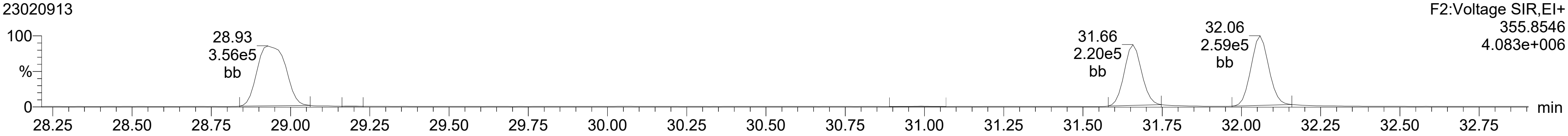

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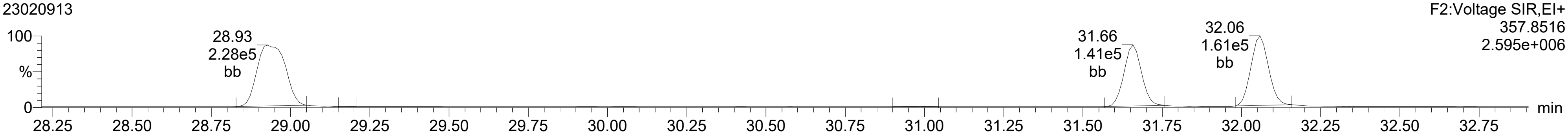

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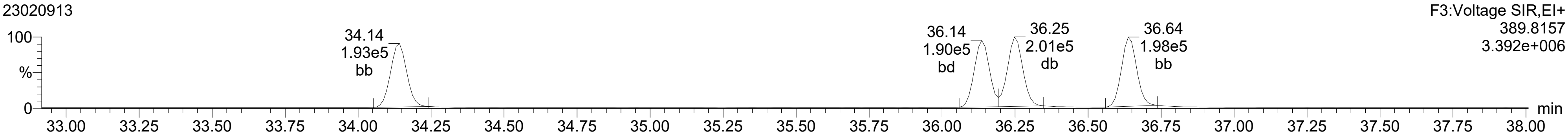

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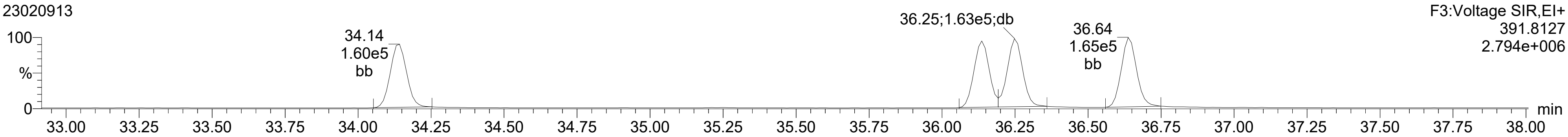

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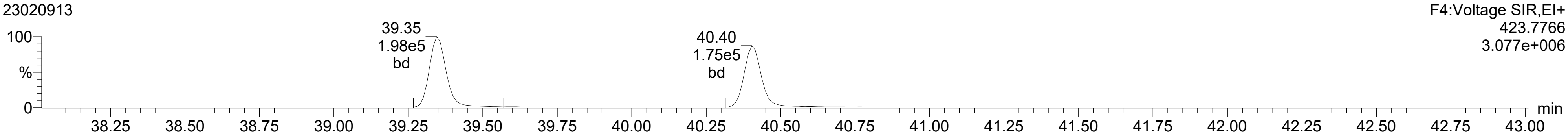

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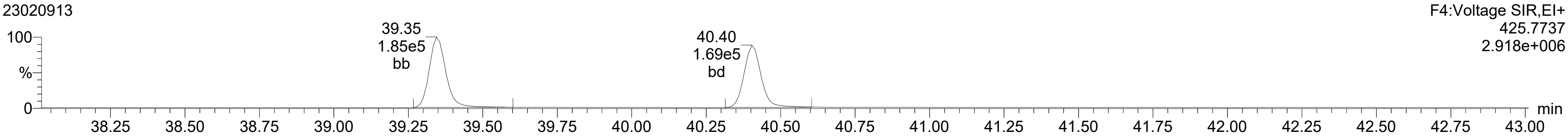

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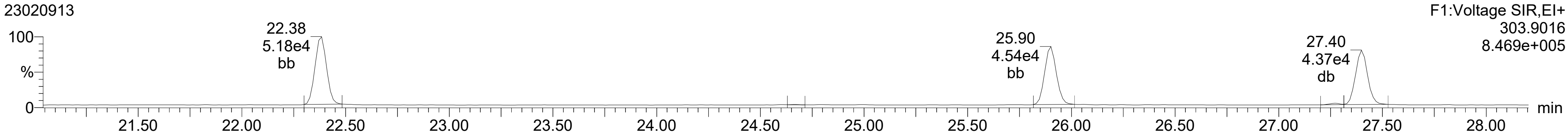
Total-tetrafurans



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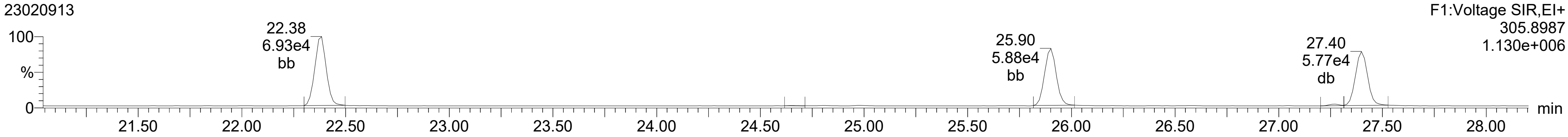

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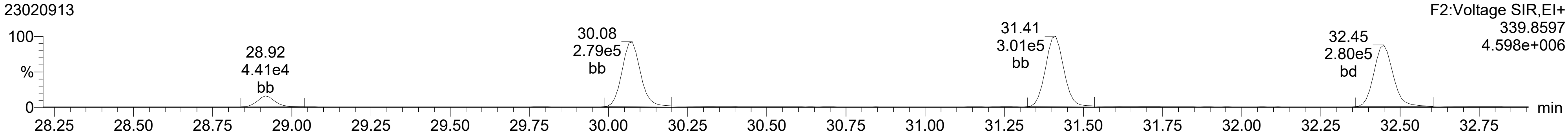

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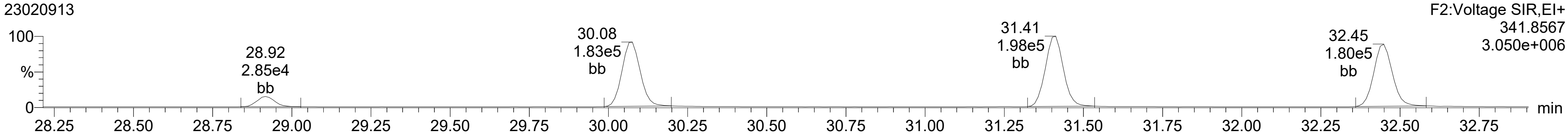

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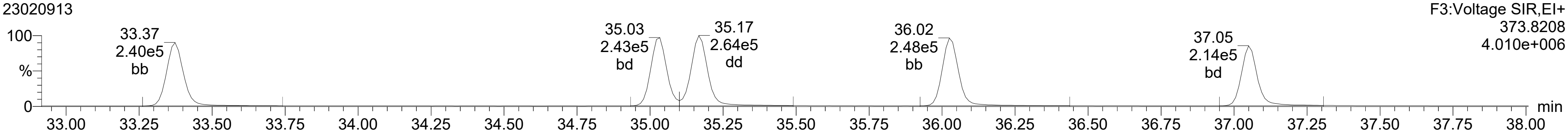

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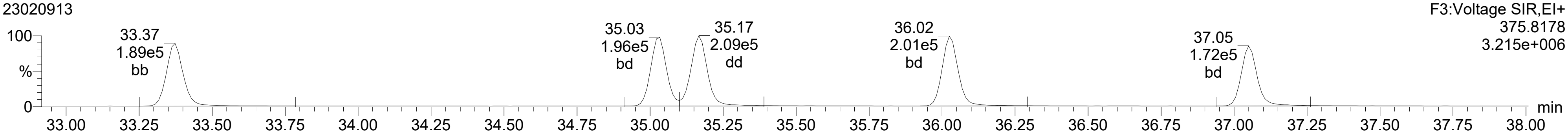

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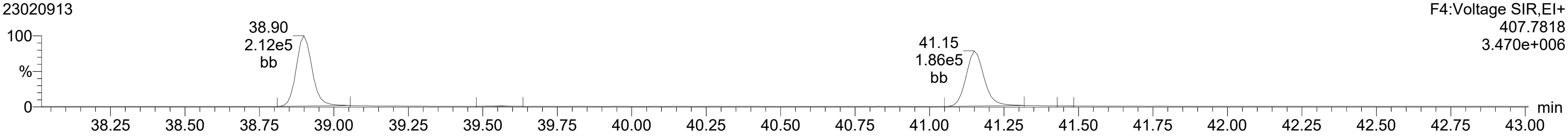

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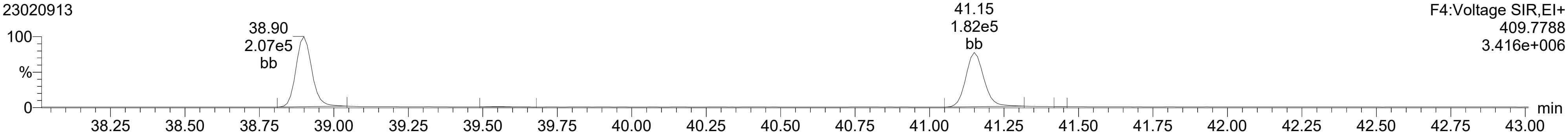

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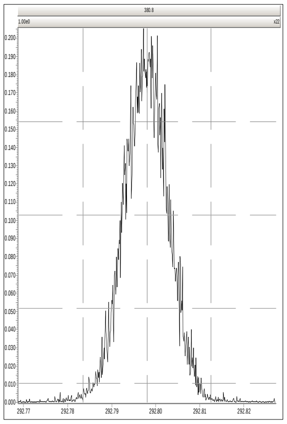

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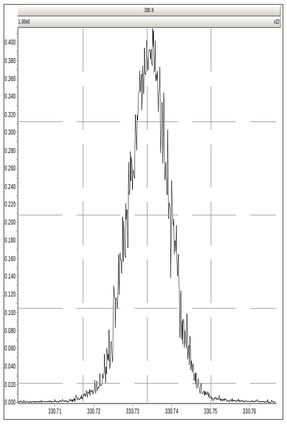

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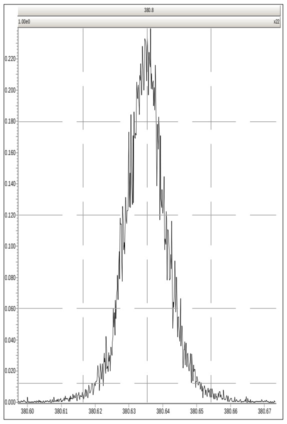

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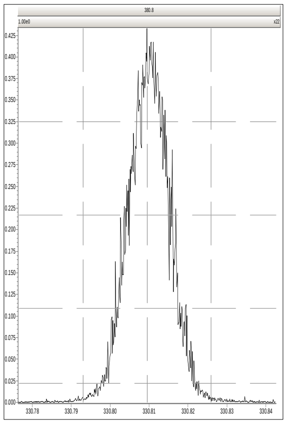

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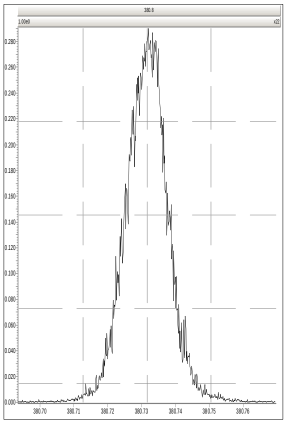

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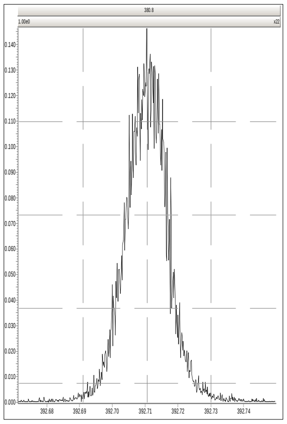

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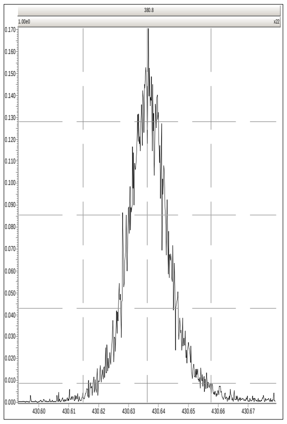

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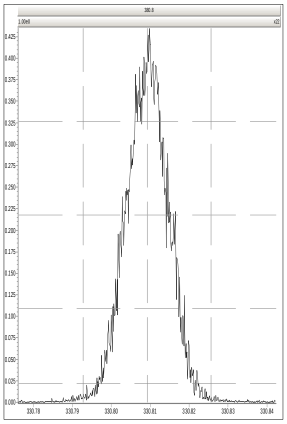

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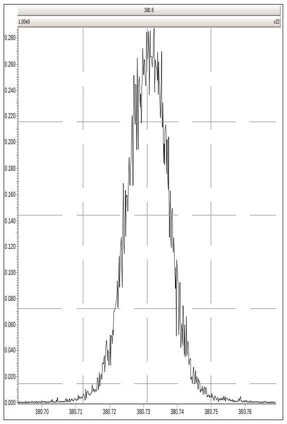
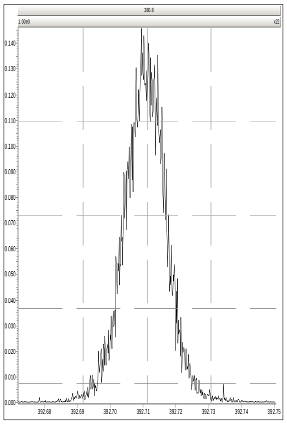
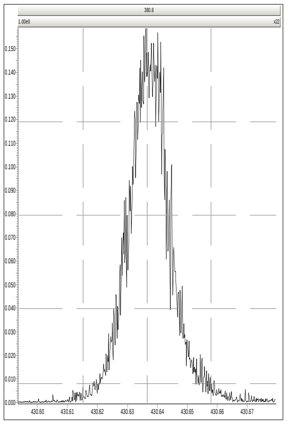


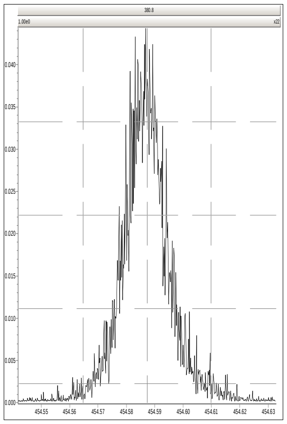
M 392.9760 R 13895



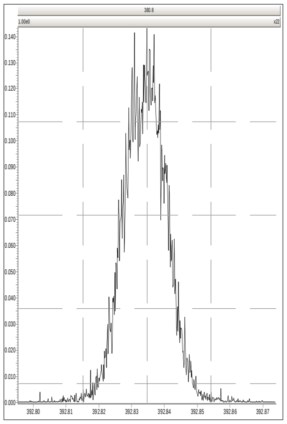
M 430.9728 R 13413



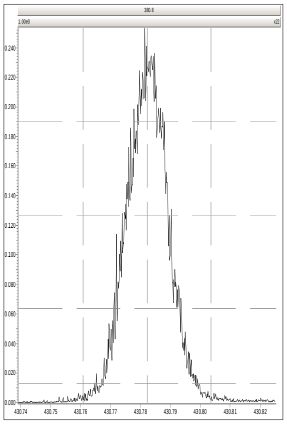
M 454.9728 R 12763



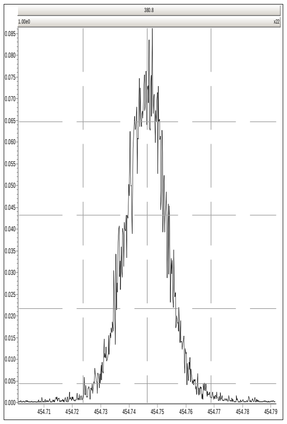
M 392.9760 R 14102



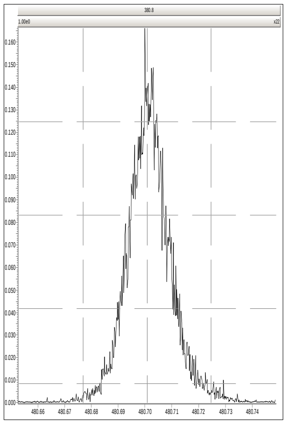
M 430.9728 R 13262



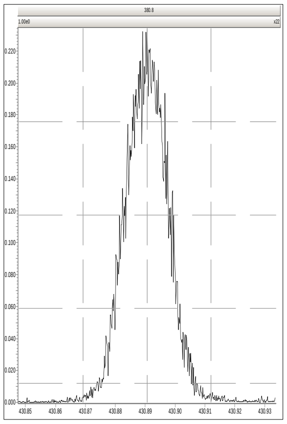
M 454.9728 R 13264



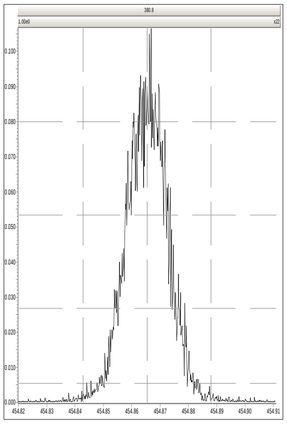
M 480.9696 R 13513



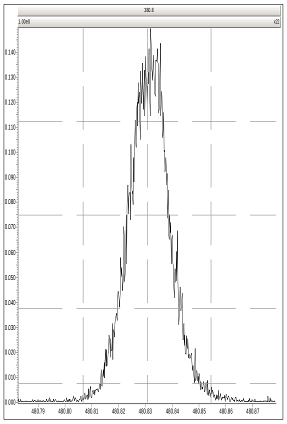
M 430.9728 R 14250



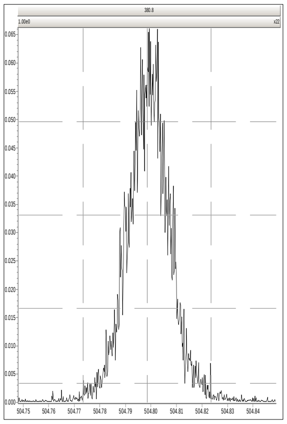
M 454.9728 R 13703



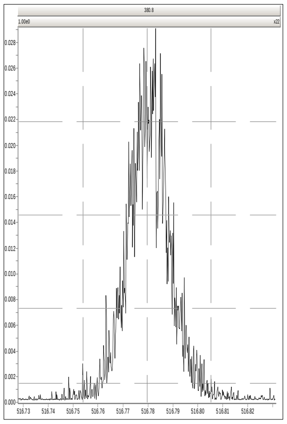
M 480.9696 R 13446

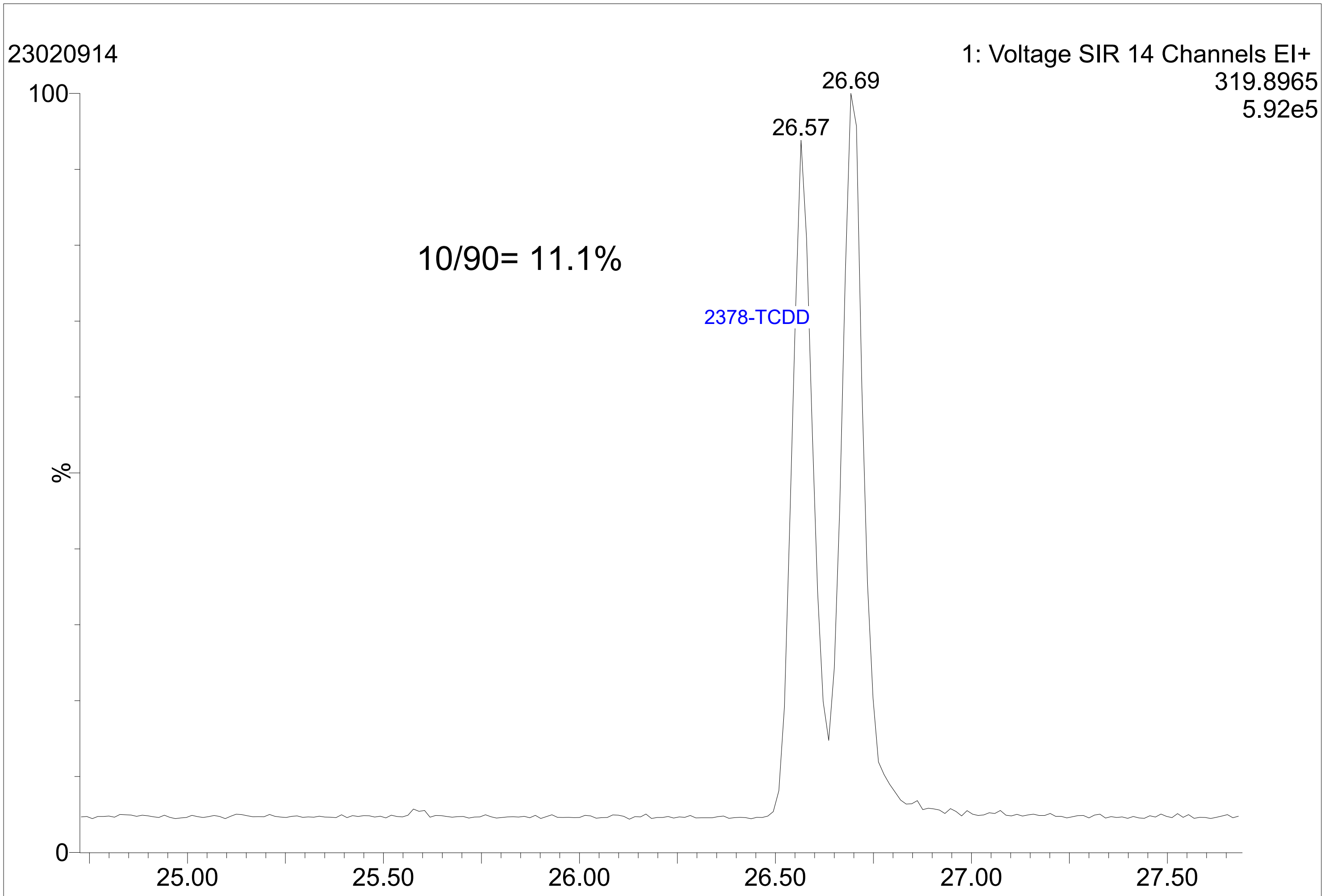


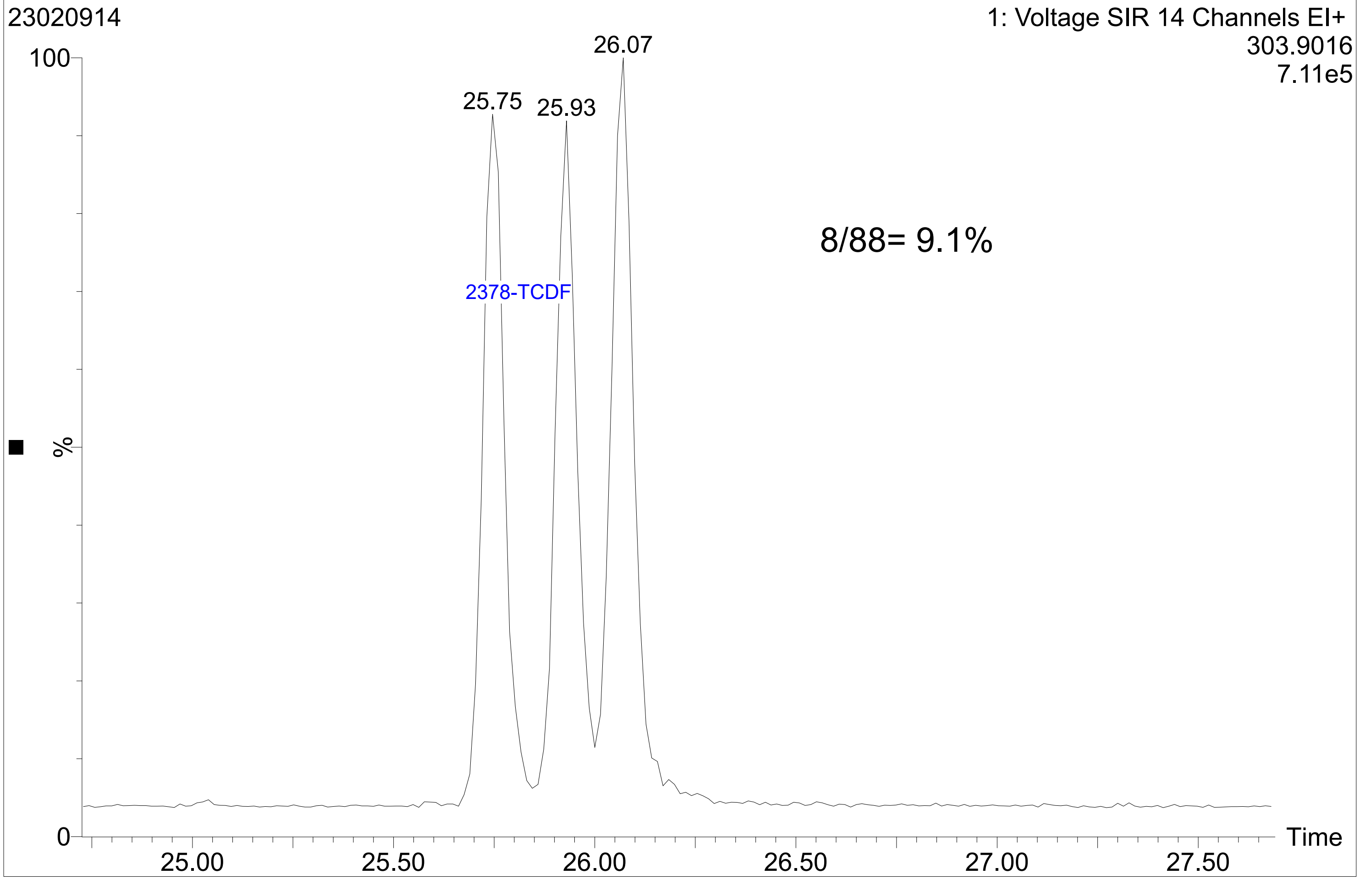
M 504.9696 R 13680



M 516.9697 R 14865




23020914
1: Voltage SIR 14 Channels EI+
319.8965
5.92e5
100
%
0
26.69
26.57
10/90= 11.1%
2378-TCDD
25.00
25.50
26.00
26.50
27.00
27.50


23020914
1: Voltage SIR 14 Channels EI+
303.9016
7.11e5
100
%
0
26.07
25.75
25.93
8/88= 9.1%
2378-TCDF
Time
25.00
25.50
26.00
26.50
27.00
27.50

CONTINUING CALIBRATION CHECK

EPA 1613B

Laboratory: Analytical Resources, LLC

Client: Anchor QEA, LLC

Instrument ID: AUTOSPEC01

Lab File ID: 23020927

Sequence: SLB0130

Lab Sample ID: SLB0130-CCV2

Sequence Name: CS3U3

SDG: 22L0307

Project: AOC4 UR Phase 3

Calibration: GB00010

Calibration Date: 02/01/2023

Injection Date: 02/10/23

Injection Time: 14:10

COMPOUND	TYPE	CONC. (ng/mL)		RESPONSE FACTOR (RRF)			% DRIFT/DIFF	
		STD	CCV	ICAL	CCV	MIN	CCV	LIMIT
2,3,7,8-TCDF	A	10.000	9.89	0.8760604	0.8667364		-1.1	+/-16
2,3,7,8-TCDD	A	10.000	9.34	1.2363600	1.1542630		-6.6	+/-22
1,2,3,7,8-PeCDF	A	50.000	50.1	0.8446540	0.8470419		0.3	+/-18
2,3,4,7,8-PeCDF	A	50.000	50.6	0.9111780	0.9214269		1.1	+/-18
1,2,3,7,8-PeCDD	A	50.000	50.0	1.0866850	1.0867510		0.006	+/-22
1,2,3,4,7,8-HxCDF	A	50.000	48.5	1.1816860	1.1454650		-3.1	+/-10
1,2,3,6,7,8-HxCDF	A	50.000	47.8	1.2480480	1.1932900		-4.4	+/-12
2,3,4,6,7,8-HxCDF	A	50.000	49.4	1.2288500	1.2141980		-1.2	+/-12
1,2,3,7,8,9-HxCDF	A	50.000	49.4	1.1865370	1.1732390		-1.1	+/-10
1,2,3,4,7,8-HxCDD	A	50.000	50.2	0.9869672	0.9913536		0.4	+/-22
1,2,3,6,7,8-HxCDD	A	50.000	49.4	1.0207220	1.0094190		-1.1	+/-22
1,2,3,7,8,9-HxCDD	A	50.000	51.1	0.9854780	1.0078800		2.3	+/-18
1,2,3,4,6,7,8-HpCDF	A	50.000	46.1	1.2041190	1.1097090		-7.8	+/-10
1,2,3,4,7,8,9-HpCDF	A	50.000	50.3	1.1653050	1.1727330		0.6	+/-14
1,2,3,4,6,7,8-HpCDD	A	50.000	47.9	1.2525690	1.1998130		-4.2	+/-14
OCDF	A	100.00	90.0	1.1862640	1.0674850		-10.0	+/-37
OCDD	A	100.00	94.7	1.1026670	1.0444690		-5.3	+/-21
13C12-2,3,7,8-TCDF	A	100.00	94.4	1.7680590	1.6682196		-5.6	+/-29
13C12-2,3,7,8-TCDD	A	100.00	106	1.1029470	1.1682281		5.9	+/-18
13C12-1,2,3,7,8-PeCDF	A	100.00	98.4	1.5271250	1.5027753		-1.6	+/-24
13C12-2,3,4,7,8-PeCDF	A	100.00	99.7	1.4662840	1.4619128		-0.3	+/-23
13C12-1,2,3,7,8-PeCDD	A	100.00	99.8	0.9141518	0.9122037		-0.2	+/-38
13C12-1,2,3,4,7,8-HxCDF	A	100.00	97.8	1.0536610	1.0303479		-2.2	+/-24
13C12-1,2,3,6,7,8-HxCDF	A	100.00	101	1.0799530	1.0856294		0.5	+/-30
13C12-2,3,4,6,7,8-HxCDF	A	100.00	97.8	1.0143260	0.9921390		-2.2	+/-27
13C12-1,2,3,7,8,9-HxCDF	A	100.00	96.6	0.9279333	0.8964694		-3.4	+/-26
13C12-1,2,3,4,7,8-HxCDD	A	100.00	97.6	0.9329336	0.9106782		-2.4	+/-15
13C12-1,2,3,6,7,8-HxCDD	A	100.00	99.5	0.9646272	0.9596360		-0.5	+/-15
13C12-1,2,3,4,6,7,8-HpCDF	A	100.00	99.0	1.0360890	1.0260318		-1.0	+/-22
13C12-1,2,3,4,7,8,9-HpCDF	A	100.00	97.0	0.9049372	0.8776421		-3.0	+/-23
13C12-1,2,3,4,6,7,8-HpCDD	A	100.00	100	0.7819773	0.7829514		0.1	+/-28
13C12-OCDD	A	200.00	203	0.7882343	0.8015043		1.7	+/-52
37Cl4-2,3,7,8-TCDD	A	10.000	9.38	1.2334500	1.1564251		-6.2	

* Values outside of QC limits

Method: T:\Autospec\Methods\Dioxin230206.mdb 10 Feb 2023 15:13:20
Calibration: T:\Autospec\Curves\230201ICIH.cdb 03 Feb 2023 10:33:40

ID: CS3U3, Name: 23020927, Date: 10-Feb-2023, Time: 14:10:15, Conditions: AUTOSPEC01, User: pk

Compound	RT	RRT	Ion1Area	Ion2Area	RRF	Ratio	Pred R	Noise 1	Noise 2	Height 1	Height 2	S/N 1	S/N 2	EMPC	Int.1	Int.2	pg
2378-TCDF	25.930	1.001	4.257e4	5.830e4	0.876	0.730	0.770	1210	1506	6.61e5	8.87e5	546.6	589.0	NO	bb	bb	9.894
12378-PeCDF	30.109	1.001	2.703e5	1.737e5	0.845	1.556	1.550	2141	1989	4.10e6	2.64e6	1916.2	1327.6	NO	bb	bb	50.141
23478-PeCDF	31.446	1.001	2.836e5	1.862e5	0.911	1.523	1.550	2141	1989	4.29e6	2.83e6	2005.1	1422.2	NO	bb	bb	50.562
123478-HxCDF	35.067	1.001	2.323e5	1.882e5	1.182	1.235	1.240	1720	1587	3.68e6	2.95e6	2141.0	1857.0	NO	bd	bd	48.467
234678-HxCDF	36.058	1.000	2.361e5	1.931e5	1.229	1.223	1.240	1720	1587	3.63e6	2.92e6	2110.6	1840.2	NO	bd	bb	49.404
123678-HxCDF	35.201	1.000	2.594e5	2.021e5	1.248	1.283	1.240	1720	1587	3.81e6	3.02e6	2217.7	1902.4	NO	dd	dd	47.806
123789-HxCDF	37.083	1.000	2.092e5	1.655e5	1.187	1.265	1.240	1720	1587	3.23e6	2.57e6	1875.6	1617.5	NO	bd	bb	49.440
1234678-HpCDF	38.933	1.000	2.050e5	2.006e5	1.204	1.022	1.050	2074	2601	3.25e6	3.14e6	1565.0	1206.6	NO	bd	bb	46.080
1234789-HpCDF	41.195	1.001	1.851e5	1.816e5	1.165	1.019	1.050	2074	2601	2.52e6	2.52e6	1216.8	969.8	NO	bd	bd	50.319
OCDF	45.491	1.005	2.853e5	3.243e5	1.186	0.880	0.890	1249	1908	3.13e6	3.56e6	2504.0	1864.4	NO	bd	bd	89.987
2378-TCDD	26.580	1.001	4.159e4	5.248e4	1.236	0.793	0.770	1239	1156	6.04e5	7.71e5	487.4	666.4	NO	bb	bb	9.336
12378-PeCDD	31.691	1.000	2.096e5	1.362e5	1.087	1.538	1.550	1769	1423	3.28e6	2.13e6	1852.2	1496.0	NO	bb	bb	50.003
123478-HxCDD	36.170	1.000	1.769e5	1.448e5	0.987	1.222	1.240	1150	1634	2.97e6	2.43e6	2586.3	1489.9	NO	bd	bd	50.222
123678-HxCDD	36.281	1.000	1.889e5	1.562e5	1.021	1.209	1.240	1150	1634	3.06e6	2.55e6	2660.3	1561.6	NO	db	db	49.446
123789-HxCDD	36.671	1.011	1.842e5	1.516e5	0.985	1.214	1.240	1150	1634	3.03e6	2.51e6	2638.6	1534.8	NO	bb	bb	51.137
1234678-HpCDD	40.448	1.001	1.696e5	1.651e5	1.253	1.027	1.050	1339	1705	2.53e6	2.47e6	1891.6	1451.1	NO	bd	bd	47.894
OCDD	45.262	1.000	2.728e5	3.238e5	1.103	0.842	0.890	1787	1567	3.22e6	3.79e6	1799.9	2417.2	NO	bb	bd	94.722
13C-2378-TCDF	25.916	1.007	5.150e5	6.488e5	1.768	0.794	0.770	1802	1528	7.84e6	9.80e6	4349.5	6413.2	NO	bb	bb	94.353
13C-12378-PeCDF	30.087	1.169	6.347e5	4.136e5	1.527	1.535	1.550	1636	1428	9.71e6	6.37e6	5936.4	4463.1	NO	bb	bb	98.405
13C-23478-PeCDF	31.424	1.221	6.201e5	3.998e5	1.466	1.551	1.550	1636	1428	9.38e6	6.11e6	5734.0	4280.7	NO	bb	bb	99.702
13C-123478-HxCDF	35.045	0.956	2.492e5	4.850e5	1.054	0.514	0.510	1701	2263	4.04e6	7.95e6	2373.2	3513.9	NO	bd	bd	97.787
13C-123678-HxCDF	35.190	0.960	2.574e5	5.162e5	1.080	0.499	0.510	1701	2263	4.08e6	7.95e6	2395.7	3512.6	NO	db	db	100.526
13C-234678-HxCDF	36.048	0.983	2.420e5	4.650e5	1.014	0.520	0.510	1701	2263	4.00e6	7.62e6	2353.3	3368.6	NO	bb	bb	97.813
13C-123789-HxCDF	37.072	1.011	2.171e5	4.217e5	0.928	0.515	0.510	1701	2263	3.65e6	7.00e6	2143.2	3091.1	NO	bb	bb	96.609
13C-1234678-HpCDF	38.922	1.062	2.268e5	5.043e5	1.036	0.450	0.440	2076	2457	3.66e6	8.23e6	1763.6	3349.3	NO	bb	bb	99.029
13C-1234789-HpCDF	41.173	1.123	1.953e5	4.301e5	0.905	0.454	0.440	2076	2457	2.89e6	6.44e6	1390.4	2621.2	NO	bb	bb	96.984
13C-1234-TCDD	25.732	0.000	3.104e5	3.872e5	1.000	0.802	0.770	1496	924	4.88e6	6.14e6	3264.1	6638.2	NO	bb	bb	100.000
13C-2378-TCDD	26.551	1.032	3.586e5	4.563e5	1.103	0.786	0.770	1496	924	5.59e6	7.12e6	3734.8	7699.2	NO	bb	bb	105.919
13C-12378-PeCDD	31.680	1.231	3.948e5	2.416e5	0.914	1.634	1.550	1002	899	5.78e6	3.49e6	5769.0	3881.7	NO	bb	bd	99.787
13C-123478-HxCDD	36.159	0.986	3.675e5	2.814e5	0.933	1.306	1.240	1210	929	6.12e6	4.59e6	5058.4	4942.2	NO	bd	bd	97.614
13C-123678-HxCDD	36.270	0.989	3.824e5	3.014e5	0.965	1.269	1.240	1210	929	6.34e6	5.00e6	5240.7	5381.5	NO	db	db	99.483
13C-1234678-HpCDD	40.426	1.103	2.903e5	2.676e5	0.782	1.085	1.050	1361	1330	4.56e6	4.26e6	3352.3	3201.6	NO	bb	bb	100.125
13C-OCDD	45.244	1.234	5.457e5	5.965e5	0.788	0.915	0.890	1524	1360	6.48e6	7.12e6	4256.0	5236.0	NO	bb	bb	203.367
13C-123789-HxCDD	36.660	0.000	3.992e5	3.134e5	1.000	1.274	1.240	1210	929	6.48e6	5.08e6	5357.6	5470.0	NO	bb	bb	100.000
37CL-2378-TCDD	26.565	1.032	8.067e4		1.233			1155		1.18e6		1021.8			bb		9.376

ID: CS3U3, Name: 23020927, Date: 10-Feb-2023, Time: 14:10:15, Conditions: AUTOSPEC01, User: pk

Compound	RT	RRT	Ion1Area	Ion2Area	RRF	Ratio	Pred R	Noise 1	Noise 2	Height 1	Height 2	S/N 1	S/N 2	EMPC	Int.1	Int.2	pg
1368-TCDF	22.413	0.865	4.966e4	6.473e4	1.064	0.767	0.770	1210	1506	7.86e5	1.04e6	650.1	693.0	NO	bb	bb	9.234
1289-TCDF	27.427	1.058	4.084e4	5.320e4	0.858	0.768	0.770	1210	1506	5.94e5	7.97e5	490.8	529.1	NO	db	bb	9.422
13468-PECDF	27.286	0.907	3.087e5	2.058e5	1.013	1.500	1.550	690	802	4.71e6	3.15e6	6833.2	3923.5	NO	bb	bb	48.449
12389-PECDF	32.482	1.080	2.689e5	1.738e5	0.844	1.547	1.550	2141	1989	4.00e6	2.55e6	1866.2	1280.1	NO	bb	bb	50.058
123468-HXCDF	33.407	0.953	2.355e5	1.883e5	1.197	1.250	1.240	1720	1587	3.50e6	2.82e6	2037.6	1776.3	NO	bb	bb	48.207
1368-TCDD	23.684	0.892	3.862e4	4.879e4	1.084	0.792	0.770	1239	1156	6.12e5	7.69e5	493.9	664.7	NO	bb	bb	9.892
1289-TCDD	27.173	1.023	3.570e4	4.465e4	0.975	0.799	0.770	1239	1156	5.33e5	6.90e5	430.4	596.8	NO	bb	bb	10.111
12479-PECDD	28.962	0.914	3.472e5	2.254e5	1.837	1.540	1.550	1769	1423	3.36e6	2.19e6	1900.3	1541.4	NO	bb	bb	48.975
12389-PECDD	32.092	1.013	2.439e5	1.591e5	1.252	1.533	1.550	1769	1423	3.77e6	2.42e6	2132.0	1703.1	NO	bb	bb	50.574
124679-HXCDD	34.176	0.945	1.830e5	1.505e5	1.033	1.216	1.240	1150	1634	2.87e6	2.34e6	2496.3	1435.0	NO	bb	bb	49.754
1234679-HPCDD	39.390	0.974	1.849e5	1.799e5	1.286	1.028	1.050	1339	1705	2.80e6	2.70e6	2088.7	1585.8	NO	bd	bd	50.837
Total-tetrafurans			1.338e5		0.933			1210		2.05e6							28.710
Total-penta1			3.087e5					690		4.71e6							48.449
Total-pentafurans			8.664e5		0.866			2141		1.31e7							158.704
Total-hexafurans			1.173e6		1.208			1720		1.79e7							243.324
Total-heptafurans			3.901e5		1.185			2074		5.77e6							96.398
Total-Furans			3.157e6		1.067			1210		4.66e7							665.572
Total-tetradioxins			1.987e5		1.099			1239		2.72e6							50.007
Total-pentadioxins			8.016e5		1.392			1769		1.04e7							149.742
Total-hexadioxins			7.332e5		1.007			1150		1.19e7							200.622
Total-heptadioxins			3.545e5		1.269			1339		5.33e6							98.731
Total-Dioxins			2.361e6		1.165			1239		3.36e7							593.823
Total-TEQ			5.518e6					1239		8.02e7							1259.396
FUNCTION1 PFK			1.363e5					272844		2.79e6							
FUNCTION2 PFK			1.216e7					182537		7.56e7							0.000
FUNCTION3 PFK			1.159e7					202727		5.87e7							0.000
FUNCTION4 PFK			0.000e0					192182		0.00e0							
FUNCTION5 PFK			0.000e0					101203		0.00e0							
FUNCTION1 HXCD...			1.050e3					672		1.44e4							0.000
FUNCTION1 HPCD...																	
FUNCTION2 HPCD...			3.529e2					877		5.67e3							0.000
FUNCTION3 OCDPE			2.490e2					586		4.96e3							0.000
FUNCTION4 NCDPE			1.199e3					1295		3.07e4							0.000
FUNCTION5 DCDPE			7.247e1					622		1.55e3							0.000

Method: T:\Autospec\Methods\Dioxin230206.mdb 10 Feb 2023 15:13:20
Calibration: T:\Autospec\Curves\230201ICIH.cdb 03 Feb 2023 10:33:40

ID: CS3U3, Name: 23020927, Date: 10-Feb-2023, Time: 14:10:15, Conditions: AUTOSPEC01, User: pk

TF

	Compound	RT	Ion1Area	Ion2Area	RRF	Ratio	Pred R	S/N 1	SNFlag	EMPC	Int.1	Int.2	pg
1	1289-TCDF	27.43	4.084e4	5.320e4	0.858	0.77	0.77	490.8	YES	NO	db	bb	9.422
2	2378-TCDF	25.93	4.257e4	5.830e4	0.876	0.73	0.77	546.6	YES	NO	bb	bb	9.894
3	Total-tetrafurans	24.84	2.769e2	3.670e2	0.933	0.75	0.77	3.3	YES	NO	bb	db	0.059
4	Total-tetrafurans	24.69	4.408e2	6.584e2	0.933	0.67	0.77	4.5	YES	NO	bb	bd	0.101
5	1368-TCDF	22.41	4.966e4	6.473e4	1.064	0.77	0.77	650.1	YES	NO	bb	bb	9.234

PP

	Compound	RT	Ion1Area	Ion2Area	RRF	Ratio	Pred R	S/N 1	SNFlag	EMPC	Int.1	Int.2	pg
1	13468-PECDF	27.29	3.087e5	2.058e5	1.013	1.50	1.55	6833.2	YES	NO	bb	bb	48.449

PF

	Compound	RT	Ion1Area	Ion2Area	RRF	Ratio	Pred R	S/N 1	SNFlag	EMPC	Int.1	Int.2	pg
1	12378-PeCDF	30.11	2.703e5	1.737e5	0.845	1.56	1.55	1916.2	YES	NO	bb	bb	50.141
2	Total-pentafurans	28.95	4.351e4	2.765e4	0.866	1.57	1.55	308.8	YES	NO	bb	bb	7.942
3	12389-PECDF	32.48	2.689e5	1.738e5	0.844	1.55	1.55	1866.2	YES	NO	bb	bb	50.058
4	23478-PeCDF	31.45	2.836e5	1.862e5	0.911	1.52	1.55	2005.1	YES	NO	bb	bb	50.562

HF

	Compound	RT	Ion1Area	Ion2Area	RRF	Ratio	Pred R	S/N 1	SNFlag	EMPC	Int.1	Int.2	pg
1	123678-HxCDF	35.20	2.594e5	2.021e5	1.248	1.28	1.24	2217.7	YES	NO	dd	dd	47.806
2	123478-HxCDF	35.07	2.323e5	1.882e5	1.182	1.23	1.24	2141.0	YES	NO	bd	bd	48.467
3	123468-HXCDF	33.41	2.355e5	1.883e5	1.197	1.25	1.24	2037.6	YES	NO	bb	bb	48.207
4	123789-HxCDF	37.08	2.092e5	1.655e5	1.187	1.26	1.24	1875.6	YES	NO	bd	bb	49.440
5	234678-HxCDF	36.06	2.361e5	1.931e5	1.229	1.22	1.24	2110.6	YES	NO	bd	bb	49.404

HPF

	Compound	RT	Ion1Area	Ion2Area	RRF	Ratio	Pred R	S/N 1	SNFlag	EMPC	Int.1	Int.2	pg
1	1234789-HpCDF	41.19	1.851e5	1.816e5	1.165	1.02	1.05	1216.8	YES	NO	bd	bd	50.319
2	1234678-HpCDF	38.93	2.050e5	2.006e5	1.204	1.02	1.05	1565.0	YES	NO	bd	bb	46.080

ID: CS3U3, Name: 23020927, Date: 10-Feb-2023, Time: 14:10:15, Conditions: AUTOSPEC01, User: pk

Furans,TF,PP,PF,HF,HPF,OF

	Compound	RT	Ion1Area	Ion2Area	RRF	Ratio	Pred R	S/N 1	SNFlag	EMPC	Int.1	Int.2	pg
1	1289-TCDF	27.43	4.084e4	5.320e4	0.858	0.77	0.77	490.8	YES	NO	db	bb	9.422
2	2378-TCDF	25.93	4.257e4	5.830e4	0.876	0.73	0.77	546.6	YES	NO	bb	bb	9.894
3	Total-tetrafurans	24.84	2.769e2	3.670e2	0.933	0.75	0.77	3.3	YES	NO	bb	db	0.059
4	Total-tetrafurans	24.69	4.408e2	6.584e2	0.933	0.67	0.77	4.5	YES	NO	bb	bd	0.101
5	1368-TCDF	22.41	4.966e4	6.473e4	1.064	0.77	0.77	650.1	YES	NO	bb	bb	9.234
6	12378-PeCDF	30.11	2.703e5	1.737e5	0.845	1.56	1.55	1916.2	YES	NO	bb	bb	50.141
7	Total-pentafurans	28.95	4.351e4	2.765e4	0.866	1.57	1.55	308.8	YES	NO	bb	bb	7.942
8	123678-HxCDF	35.20	2.594e5	2.021e5	1.248	1.28	1.24	2217.7	YES	NO	dd	dd	47.806
9	123478-HxCDF	35.07	2.323e5	1.882e5	1.182	1.23	1.24	2141.0	YES	NO	bd	bd	48.467
10	123468-HXCDF	33.41	2.355e5	1.883e5	1.197	1.25	1.24	2037.6	YES	NO	bb	bb	48.207
11	12389-PECDF	32.48	2.689e5	1.738e5	0.844	1.55	1.55	1866.2	YES	NO	bb	bb	50.058
12	23478-PeCDF	31.45	2.836e5	1.862e5	0.911	1.52	1.55	2005.1	YES	NO	bb	bb	50.562
13	123789-HxCDF	37.08	2.092e5	1.655e5	1.187	1.26	1.24	1875.6	YES	NO	bd	bb	49.440
14	234678-HxCDF	36.06	2.361e5	1.931e5	1.229	1.22	1.24	2110.6	YES	NO	bd	bb	49.404
15	1234789-HpCDF	41.19	1.851e5	1.816e5	1.165	1.02	1.05	1216.8	YES	NO	bd	bd	50.319
16	1234678-HpCDF	38.93	2.050e5	2.006e5	1.204	1.02	1.05	1565.0	YES	NO	bd	bb	46.080
17	OCDF	45.49	2.853e5	3.243e5	1.186	0.88	0.89	2504.0	YES	NO	bd	bd	89.987
18	13468-PECDF	27.29	3.087e5	2.058e5	1.013	1.50	1.55	6833.2	YES	NO	bb	bb	48.449

TD

	Compound	RT	Ion1Area	Ion2Area	RRF	Ratio	Pred R	S/N 1	SNFlag	EMPC	Int.1	Int.2	pg
1	Total-tetradioxins	25.76	1.952e4	2.389e4	1.099	0.82	0.77	240.1	YES	NO	bd	bd	4.848
2	Total-tetradioxins	25.18	3.852e2	4.941e2	1.099	0.78	0.77	5.2	YES	NO	bb	bd	0.098
3	Total-tetradioxins	24.90	1.869e3	2.245e3	1.099	0.83	0.77	15.7	YES	NO	bb	bb	0.459
4	1368-TCDD	23.68	3.862e4	4.879e4	1.084	0.79	0.77	493.9	YES	NO	bb	bb	9.892
5	1289-TCDD	27.17	3.570e4	4.465e4	0.975	0.80	0.77	430.4	YES	NO	bb	bb	10.111
6	2378-TCDD	26.58	4.159e4	5.248e4	1.236	0.79	0.77	487.4	YES	NO	bb	bb	9.336
7	Total-tetradioxins	26.24	6.097e4	7.567e4	1.099	0.81	0.77	522.7	YES	NO	bb	bb	15.262

PD

	Compound	RT	Ion1Area	Ion2Area	RRF	Ratio	Pred R	S/N 1	SNFlag	EMPC	Int.1	Int.2	pg
1	12389-PECDD	32.09	2.439e5	1.591e5	1.252	1.53	1.55	2132.0	YES	NO	bb	bb	50.574
2	12378-PeCDD	31.69	2.096e5	1.362e5	1.087	1.54	1.55	1852.2	YES	NO	bb	bb	50.003
3	Total-pentadioxins	31.02	9.680e2	7.114e2	1.392	1.36	1.55	7.4	YES	NO	bb	bb	0.190
4	12479-PECDD	28.96	3.472e5	2.254e5	1.837	1.54	1.55	1900.3	YES	NO	bb	bb	48.975

ID: CS3U3, Name: 23020927, Date: 10-Feb-2023, Time: 14:10:15, Conditions: AUTOSPEC01, User: pk

HD

	Compound	RT	Ion1Area	Ion2Area	RRF	Ratio	Pred R	S/N 1	SNFlag	EMPC	Int.1	Int.2	pg
1	124679-HXCDD	34.18	1.830e5	1.505e5	1.033	1.22	1.24	2496.3	YES	NO	bb	bb	49.754
2	Total-hexadioxins	36.86	2.374e2	1.850e2	1.007	1.28	1.24	0.0	NO	NO	bb	bb	0.063
3	123789-HxCDD	36.67	1.842e5	1.516e5	0.985	1.21	1.24	2638.6	YES	NO	bb	bb	51.137
4	123678-HxCDD	36.28	1.889e5	1.562e5	1.021	1.21	1.24	2660.3	YES	NO	db	db	49.446
5	123478-HxCDD	36.17	1.769e5	1.448e5	0.987	1.22	1.24	2586.3	YES	NO	bd	bd	50.222

HPD

	Compound	RT	Ion1Area	Ion2Area	RRF	Ratio	Pred R	S/N 1	SNFlag	EMPC	Int.1	Int.2	pg
1	1234679-HPCDD	39.39	1.849e5	1.799e5	1.286	1.03	1.05	2088.7	YES	NO	bd	bd	50.837
2	1234678-HpCDD	40.45	1.696e5	1.651e5	1.253	1.03	1.05	1891.6	YES	NO	bd	bd	47.894

Dioxins,TD,PD,HD,HPD,OD

	Compound	RT	Ion1Area	Ion2Area	RRF	Ratio	Pred R	S/N 1	SNFlag	EMPC	Int.1	Int.2	pg
1	Total-tetradioxins	25.76	1.952e4	2.389e4	1.099	0.82	0.77	240.1	YES	NO	bd	bd	4.848
2	Total-tetradioxins	25.18	3.852e2	4.941e2	1.099	0.78	0.77	5.2	YES	NO	bb	bd	0.098
3	Total-tetradioxins	24.90	1.869e3	2.245e3	1.099	0.83	0.77	15.7	YES	NO	bb	bb	0.459
4	1368-TCDD	23.68	3.862e4	4.879e4	1.084	0.79	0.77	493.9	YES	NO	bb	bb	9.892
5	1289-TCDD	27.17	3.570e4	4.465e4	0.975	0.80	0.77	430.4	YES	NO	bb	bb	10.111
6	2378-TCDD	26.58	4.159e4	5.248e4	1.236	0.79	0.77	487.4	YES	NO	bb	bb	9.336
7	Total-tetradioxins	26.24	6.097e4	7.567e4	1.099	0.81	0.77	522.7	YES	NO	bb	bb	15.262
8	124679-HXCDD	34.18	1.830e5	1.505e5	1.033	1.22	1.24	2496.3	YES	NO	bb	bb	49.754
9	12389-PECDD	32.09	2.439e5	1.591e5	1.252	1.53	1.55	2132.0	YES	NO	bb	bb	50.574
10	12378-PeCDD	31.69	2.096e5	1.362e5	1.087	1.54	1.55	1852.2	YES	NO	bb	bb	50.003
11	Total-pentadioxins	31.02	9.680e2	7.114e2	1.392	1.36	1.55	7.4	YES	NO	bb	bb	0.190
12	12479-PECDD	28.96	3.472e5	2.254e5	1.837	1.54	1.55	1900.3	YES	NO	bb	bb	48.975
13	Total-hexadioxins	36.86	2.374e2	1.850e2	1.007	1.28	1.24	0.0	NO	NO	bb	bb	0.063
14	123789-HxCDD	36.67	1.842e5	1.516e5	0.985	1.21	1.24	2638.6	YES	NO	bb	bb	51.137
15	123678-HxCDD	36.28	1.889e5	1.562e5	1.021	1.21	1.24	2660.3	YES	NO	db	db	49.446
16	123478-HxCDD	36.17	1.769e5	1.448e5	0.987	1.22	1.24	2586.3	YES	NO	bd	bd	50.222
17	1234679-HPCDD	39.39	1.849e5	1.799e5	1.286	1.03	1.05	2088.7	YES	NO	bd	bd	50.837
18	OCDD	45.26	2.728e5	3.238e5	1.103	0.84	0.89	1799.9	YES	NO	bb	bd	94.722
19	1234678-HpCDD	40.45	1.696e5	1.651e5	1.253	1.03	1.05	1891.6	YES	NO	bd	bd	47.894

ID: CS3U3, Name: 23020927, Date: 10-Feb-2023, Time: 14:10:15, Conditions: AUTOSPEC01, User: pk

TotalTEQ,Furans,Dioxins

	Compound	RT	Ion1Area	Ion2Area	RRF	Ratio	Pred R	S/N 1	SNFlag	EMPC	Int.1	Int.2	pg
1	1289-TCDF	27.43	4.084e4	5.320e4	0.858	0.77	0.77	490.8	YES	NO	db	bb	9.422
2	2378-TCDF	25.93	4.257e4	5.830e4	0.876	0.73	0.77	546.6	YES	NO	bb	bb	9.894
3	Total-tetrafurans	24.84	2.769e2	3.670e2	0.933	0.75	0.77	3.3	YES	NO	bb	db	0.059
4	Total-tetrafurans	24.69	4.408e2	6.584e2	0.933	0.67	0.77	4.5	YES	NO	bb	bd	0.101
5	1368-TCDF	22.41	4.966e4	6.473e4	1.064	0.77	0.77	650.1	YES	NO	bb	bb	9.234
6	12378-PeCDF	30.11	2.703e5	1.737e5	0.845	1.56	1.55	1916.2	YES	NO	bb	bb	50.141
7	Total-pentafurans	28.95	4.351e4	2.765e4	0.866	1.57	1.55	308.8	YES	NO	bb	bb	7.942
8	123678-HxCDF	35.20	2.594e5	2.021e5	1.248	1.28	1.24	2217.7	YES	NO	dd	dd	47.806
9	123478-HxCDF	35.07	2.323e5	1.882e5	1.182	1.23	1.24	2141.0	YES	NO	bd	bd	48.467
10	123468-HXCDF	33.41	2.355e5	1.883e5	1.197	1.25	1.24	2037.6	YES	NO	bb	bb	48.207
11	12389-PECDF	32.48	2.689e5	1.738e5	0.844	1.55	1.55	1866.2	YES	NO	bb	bb	50.058
12	23478-PeCDF	31.45	2.836e5	1.862e5	0.911	1.52	1.55	2005.1	YES	NO	bb	bb	50.562
13	123789-HxCDF	37.08	2.092e5	1.655e5	1.187	1.26	1.24	1875.6	YES	NO	bd	bb	49.440
14	234678-HxCDF	36.06	2.361e5	1.931e5	1.229	1.22	1.24	2110.6	YES	NO	bd	bb	49.404
15	1234789-HpCDF	41.19	1.851e5	1.816e5	1.165	1.02	1.05	1216.8	YES	NO	bd	bd	50.319
16	1234678-HpCDF	38.93	2.050e5	2.006e5	1.204	1.02	1.05	1565.0	YES	NO	bd	bb	46.080
17	OCDF	45.49	2.853e5	3.243e5	1.186	0.88	0.89	2504.0	YES	NO	bd	bd	89.987
18	13468-PECDF	27.29	3.087e5	2.058e5	1.013	1.50	1.55	6833.2	YES	NO	bb	bb	48.449
19	Total-tetradioxins	25.76	1.952e4	2.389e4	1.099	0.82	0.77	240.1	YES	NO	bd	bd	4.848
20	Total-tetradioxins	25.18	3.852e2	4.941e2	1.099	0.78	0.77	5.2	YES	NO	bb	bd	0.098
21	Total-tetradioxins	24.90	1.869e3	2.245e3	1.099	0.83	0.77	15.7	YES	NO	bb	bb	0.459
22	1368-TCDD	23.68	3.862e4	4.879e4	1.084	0.79	0.77	493.9	YES	NO	bb	bb	9.892
23	1289-TCDD	27.17	3.570e4	4.465e4	0.975	0.80	0.77	430.4	YES	NO	bb	bb	10.111
24	2378-TCDD	26.58	4.159e4	5.248e4	1.236	0.79	0.77	487.4	YES	NO	bb	bb	9.336
25	Total-tetradioxins	26.24	6.097e4	7.567e4	1.099	0.81	0.77	522.7	YES	NO	bb	bb	15.262
26	124679-HXCDD	34.18	1.830e5	1.505e5	1.033	1.22	1.24	2496.3	YES	NO	bb	bb	49.754
27	12389-PECDD	32.09	2.439e5	1.591e5	1.252	1.53	1.55	2132.0	YES	NO	bb	bb	50.574
28	12378-PeCDD	31.69	2.096e5	1.362e5	1.087	1.54	1.55	1852.2	YES	NO	db	bb	50.003
29	Total-pentadioxins	31.02	9.680e2	7.114e2	1.392	1.36	1.55	7.4	YES	NO	bb	bb	0.190
30	12479-PECDD	28.96	3.472e5	2.254e5	1.837	1.54	1.55	1900.3	YES	NO	bb	bb	48.975
31	Total-hexadioxins	36.86	2.374e2	1.850e2	1.007	1.28	1.24	0.0	NO	NO	bb	bb	0.063
32	123789-HxCDD	36.67	1.842e5	1.516e5	0.985	1.21	1.24	2638.6	YES	NO	bb	bb	51.137
33	123678-HxCDD	36.28	1.889e5	1.562e5	1.021	1.21	1.24	2660.3	YES	NO	db	db	49.446
34	123478-HxCDD	36.17	1.769e5	1.448e5	0.987	1.22	1.24	2586.3	YES	NO	bd	bd	50.222
35	1234679-HPCDD	39.39	1.849e5	1.799e5	1.286	1.03	1.05	2088.7	YES	NO	bd	bd	50.837
36	OCDD	45.26	2.728e5	3.238e5	1.103	0.84	0.89	1799.9	YES	NO	bb	bd	94.722
37	1234678-HpCDD	40.45	1.696e5	1.651e5	1.253	1.03	1.05	1891.6	YES	NO	bd	bd	47.894

ID: CS3U3, Name: 23020927, Date: 10-Feb-2023, Time: 14:10:15, Conditions: AUTOSPEC01, User: pk

PFK1

	Compound	RT	Ion1Area	Ion2Area	RRF	Ratio	Pred R	S/N 1	SNFlag	EMPC	Int.1	Int.2	pg
1	FUNCTION1 PFK	21.11	4.594e3					1.2	NO		bb		
2	FUNCTION1 PFK	23.85	4.564e4					1.6	NO		bb		
3	FUNCTION1 PFK	23.32	1.388e4					1.4	NO		bb		
4	FUNCTION1 PFK	23.23	5.930e3					1.0	NO		bb		
5	FUNCTION1 PFK	22.75	2.427e3					0.6	NO		bb		
6	FUNCTION1 PFK	21.34	4.808e4					1.9	NO		db		
7	FUNCTION1 PFK	21.24	1.129e4					1.5	NO		bd		
8	FUNCTION1 PFK	21.16	4.502e3					0.9	NO		bb		

PFK2

	Compound	RT	Ion1Area	Ion2Area	RRF	Ratio	Pred R	S/N 1	SNFlag	EMPC	Int.1	Int.2	pg
1	FUNCTION2 PFK	29.32	5.902e5					30.9	YES		dd		0.000
2	FUNCTION2 PFK	29.24	4.575e5					33.5	YES		dd		0.000
3	FUNCTION2 PFK	29.16	7.894e5					35.8	YES		dd		0.000
4	FUNCTION2 PFK	29.07	3.037e5					37.8	YES		dd		0.000
5	FUNCTION2 PFK	28.97	8.087e5					40.9	YES		dd		0.000
6	FUNCTION2 PFK	28.79	1.232e6					45.8	YES		dd		0.000
7	FUNCTION2 PFK	28.65	4.091e6					50.4	YES		dd		0.000
8	FUNCTION2 PFK	28.27	1.314e6					59.9	YES		bd		0.000
9	FUNCTION2 PFK	32.85	7.634e3					1.1	NO		bb		0.000
10	FUNCTION2 PFK	32.66	3.231e4					1.5	NO		bb		0.000
11	FUNCTION2 PFK	32.39	1.125e4					1.7	NO		bb		0.000
12	FUNCTION2 PFK	32.23	8.982e3					1.2	NO		bb		0.000
13	FUNCTION2 PFK	31.87	1.821e4					1.4	NO		bb		0.000
14	FUNCTION2 PFK	31.65	2.698e3					0.7	NO		bb		0.000
15	FUNCTION2 PFK	31.42	1.439e4					1.9	NO		db		0.000
16	FUNCTION2 PFK	31.36	3.315e3					0.8	NO		bd		0.000
17	FUNCTION2 PFK	31.22	3.699e3					0.9	NO		bb		0.000
18	FUNCTION2 PFK	31.13	1.041e4					1.4	NO		bb		0.000
19	FUNCTION2 PFK	31.07	4.598e4					2.4	NO		bb		0.000
20	FUNCTION2 PFK	30.32	5.764e3					1.4	NO		db		0.000
21	FUNCTION2 PFK	29.98	4.415e5					12.2	YES		dd		0.000
22	FUNCTION2 PFK	29.62	1.116e6					22.5	YES		dd		0.000
23	FUNCTION2 PFK	29.43	8.562e5					27.6	YES		dd		0.000

ID: CS3U3, Name: 23020927, Date: 10-Feb-2023, Time: 14:10:15, Conditions: AUTOSPEC01, User: pk

PFK3

	Compound	RT	Ion1Area	Ion2Area	RRF	Ratio	Pred R	S/N 1	SNFlag	EMPC	Int.1	Int.2	pg
1	FUNCTION3 PFK	37.06	1.453e4					2.5	NO		bb		0.000
2	FUNCTION3 PFK	36.94	4.834e3					1.1	NO		bb		0.000
3	FUNCTION3 PFK	36.76	5.865e3					1.1	NO		bb		0.000
4	FUNCTION3 PFK	36.13	6.775e3					1.4	NO		bb		0.000
5	FUNCTION3 PFK	35.85	9.174e3					1.6	NO		bb		0.000
6	FUNCTION3 PFK	35.75	6.585e3					1.4	NO		bb		0.000
7	FUNCTION3 PFK	35.51	7.101e3					0.9	NO		bb		0.000
8	FUNCTION3 PFK	35.36	6.563e3					1.3	NO		bb		0.000
9	FUNCTION3 PFK	35.20	1.813e3					0.8	NO		bb		0.000
10	FUNCTION3 PFK	34.53	1.370e3					0.6	NO		bb		0.000
11	FUNCTION3 PFK	34.43	1.780e4					2.6	NO		db		0.000
12	FUNCTION3 PFK	34.04	1.568e6					22.3	YES		dd		0.000
13	FUNCTION3 PFK	33.43	5.940e6					50.7	YES		dd		0.000
14	FUNCTION3 PFK	33.20	6.816e5					61.3	YES		dd		0.000
15	FUNCTION3 PFK	33.08	1.745e6					66.5	YES		dd		0.000
16	FUNCTION3 PFK	32.98	1.561e6					71.1	YES		bd		0.000
17	FUNCTION3 PFK	37.71	1.056e4					1.3	NO		bb		0.000
18	FUNCTION3 PFK	37.41	5.580e3					1.1	NO		bb		0.000

PFK4

	Compound	RT	Ion1Area	Ion2Area	RRF	Ratio	Pred R	S/N 1	SNFlag	EMPC	Int.1	Int.2	pg
1													

PFK5

	Compound	RT	Ion1Area	Ion2Area	RRF	Ratio	Pred R	S/N 1	SNFlag	EMPC	Int.1	Int.2	pg
1													

ID: CS3U3, Name: 23020927, Date: 10-Feb-2023, Time: 14:10:15, Conditions: AUTOSPEC01, User: pk

ETHERS1

	Compound	RT	Ion1Area	Ion2Area	RRF	Ratio	Pred R	S/N 1	SNFlag	EMPC	Int.1	Int.2	pg
1	FUNCTION1 HXCD...	27.60	9.093e1					2.4	NO		bb		0.000
2	FUNCTION1 HXCD...	27.30	8.908e1					2.9	NO		bb		0.000
3	FUNCTION1 HXCD...	25.75	9.445e1					2.9	NO		bb		0.000
4	FUNCTION1 HXCD...	24.93	1.634e2					2.0	NO		bb		0.000
5	FUNCTION1 HXCD...	24.26	1.258e2					1.3	NO		bb		0.000
6	FUNCTION1 HXCD...	22.85	7.377e1					1.5	NO		bb		0.000
7	FUNCTION1 HXCD...	22.71	8.576e1					1.6	NO		bb		0.000
8	FUNCTION1 HXCD...	21.83	1.559e2					3.0	NO		bb		0.000
9	FUNCTION1 HXCD...	21.16	9.166e1					1.7	NO		db		0.000
10	FUNCTION1 HXCD...	21.10	7.895e1					2.2	NO		bd		0.000

ETHERS2

	Compound	RT	Ion1Area	Ion2Area	RRF	Ratio	Pred R	S/N 1	SNFlag	EMPC	Int.1	Int.2	pg
1													

ETHERS3

	Compound	RT	Ion1Area	Ion2Area	RRF	Ratio	Pred R	S/N 1	SNFlag	EMPC	Int.1	Int.2	pg
1	FUNCTION2 HPCD...	32.77	1.368e2					1.6	NO		bb		0.000
2	FUNCTION2 HPCD...	31.26	2.161e2					4.8	YES		bb		0.000

ETHERS4

	Compound	RT	Ion1Area	Ion2Area	RRF	Ratio	Pred R	S/N 1	SNFlag	EMPC	Int.1	Int.2	pg
1	FUNCTION3 OCDPE	37.32	8.664e1					3.2	YES		bb		0.000
2	FUNCTION3 OCDPE	34.00	8.603e1					2.6	NO		bb		0.000
3	FUNCTION3 OCDPE	33.28	7.631e1					2.7	NO		bb		0.000

ID: CS3U3, Name: 23020927, Date: 10-Feb-2023, Time: 14:10:15, Conditions: AUTOSPEC01, User: pk

ETHERS5

	Compound	RT	Ion1Area	Ion2Area	RRF	Ratio	Pred R	S/N 1	SNFlag	EMPC	Int.1	Int.2	pg
1	FUNCTION4 NCDPE	40.31	1.178e2					2.8	NO		bb		0.000
2	FUNCTION4 NCDPE	39.99	9.318e1					1.6	NO		bb		0.000
3	FUNCTION4 NCDPE	39.61	1.589e2					3.3	YES		db		0.000
4	FUNCTION4 NCDPE	39.55	1.300e2					3.6	YES		bd		0.000
5	FUNCTION4 NCDPE	39.37	9.375e1					2.0	NO		bb		0.000
6	FUNCTION4 NCDPE	39.06	1.125e2					2.5	NO		db		0.000
7	FUNCTION4 NCDPE	39.02	1.126e2					2.5	NO		dd		0.000
8	FUNCTION4 NCDPE	38.94	1.952e2					2.3	NO		bd		0.000
9	FUNCTION4 NCDPE	38.54	9.550e1					1.8	NO		bb		0.000
10	FUNCTION4 NCDPE	42.22	8.957e1					1.4	NO		bb		0.000

ETHERS6

	Compound	RT	Ion1Area	Ion2Area	RRF	Ratio	Pred R	S/N 1	SNFlag	EMPC	Int.1	Int.2	pg
1	FUNCTION5 DCDPE	45.56	7.247e1					2.5	NO		bb		0.000

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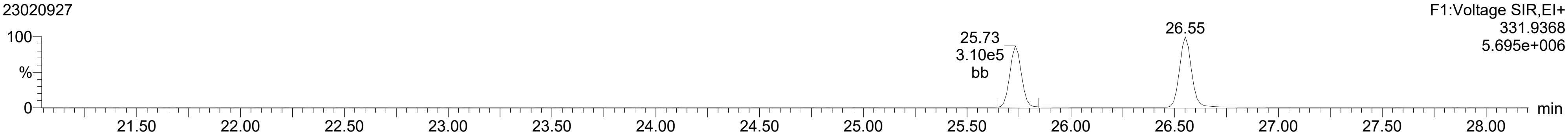
13C-1234-TCDD



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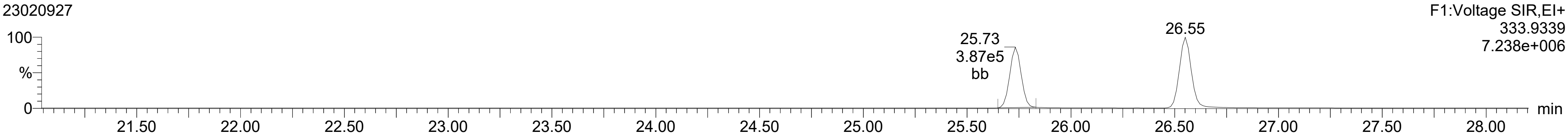
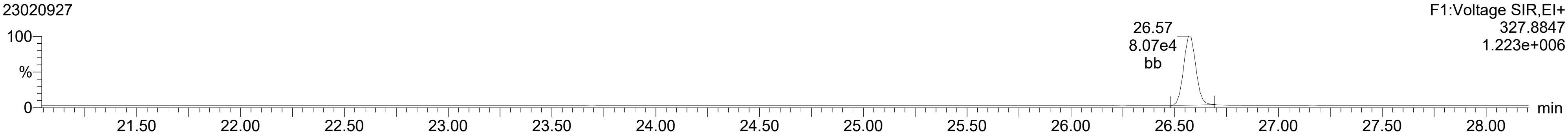


37CL-2378-TCDD



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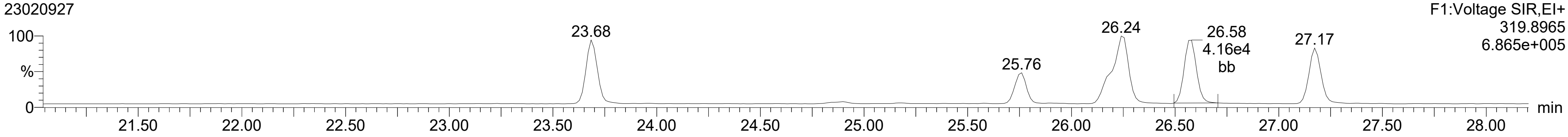

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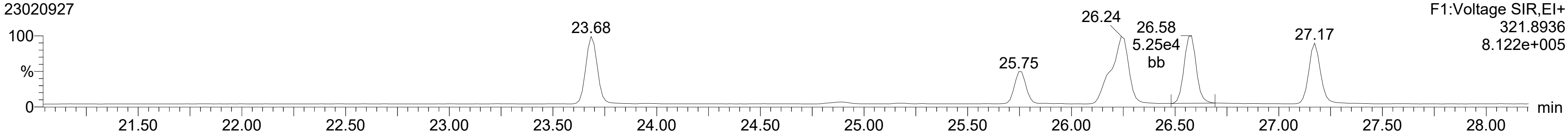

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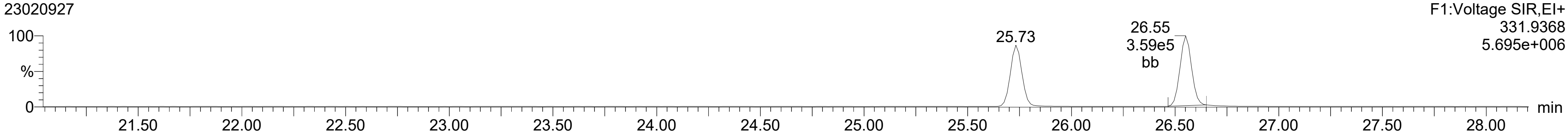

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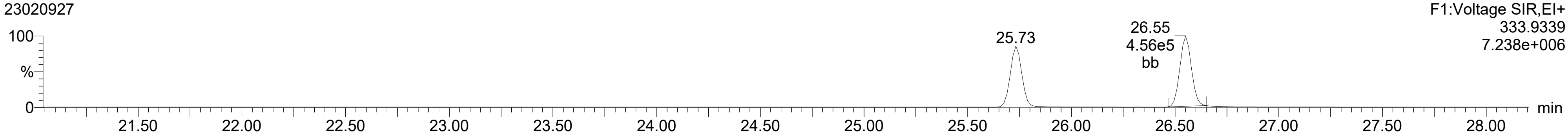

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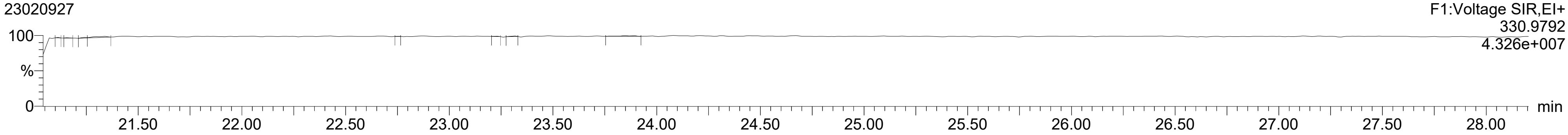

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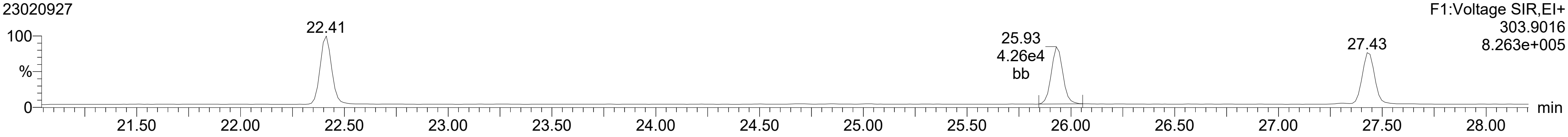

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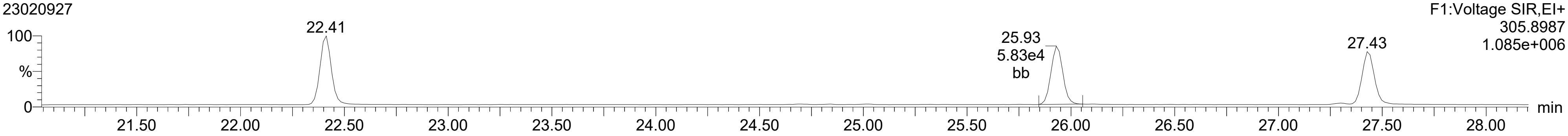

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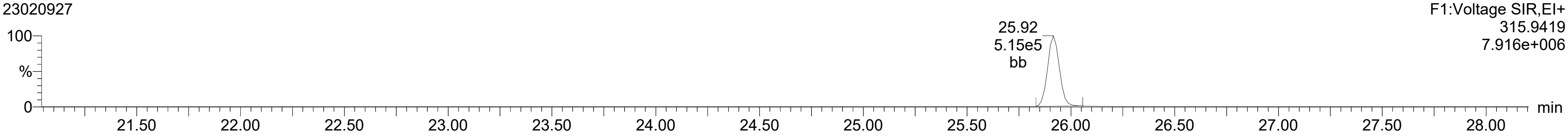

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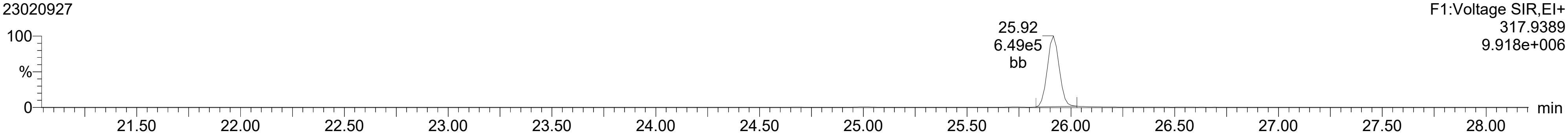
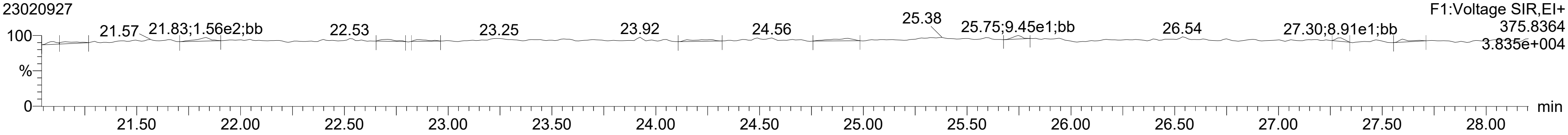


FUNCTION1 HXCDPE



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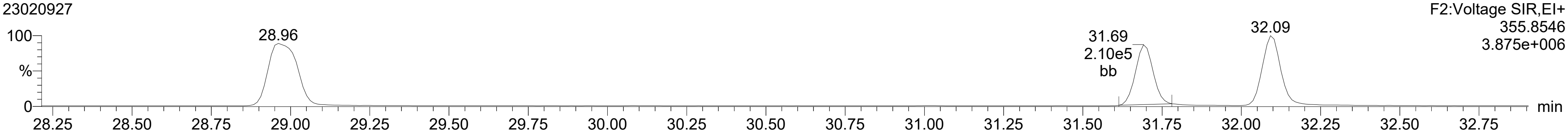
12378-PeCDD



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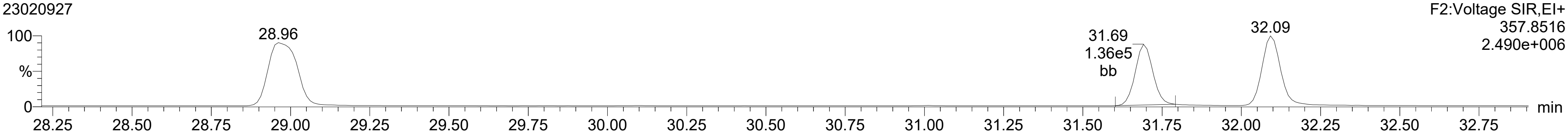

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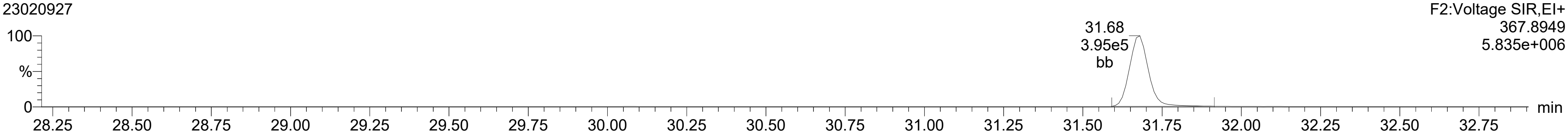

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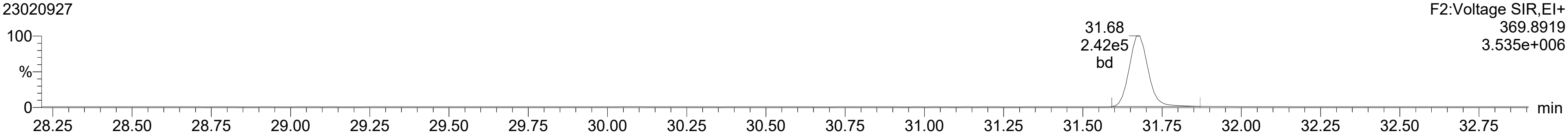
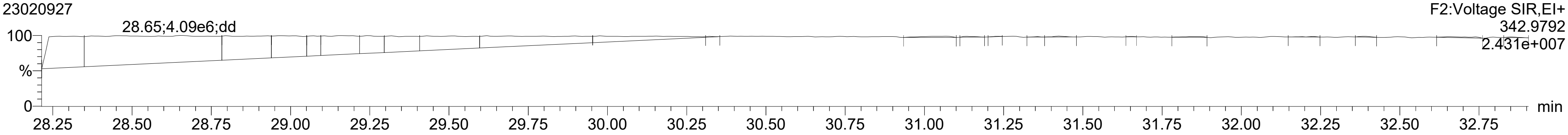


FUNCTION2 PFK



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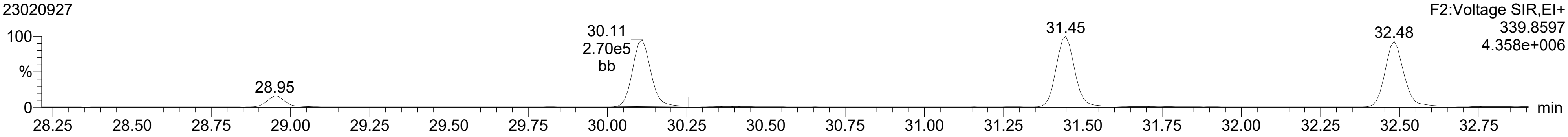

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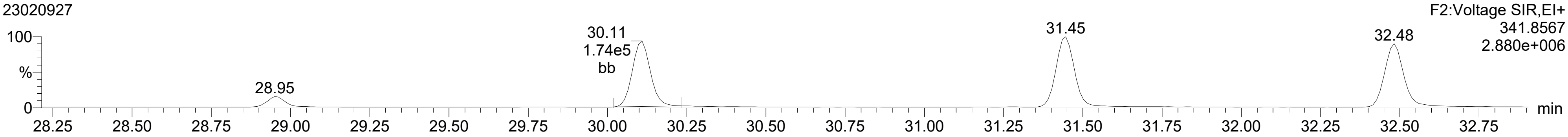

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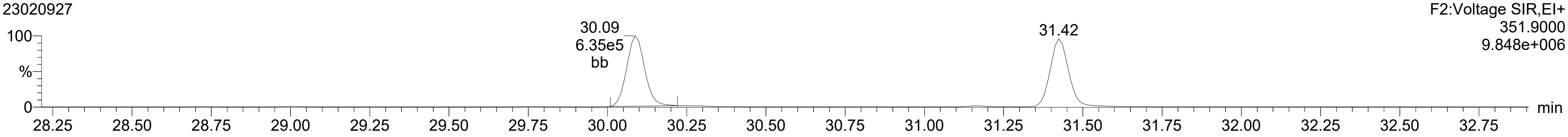

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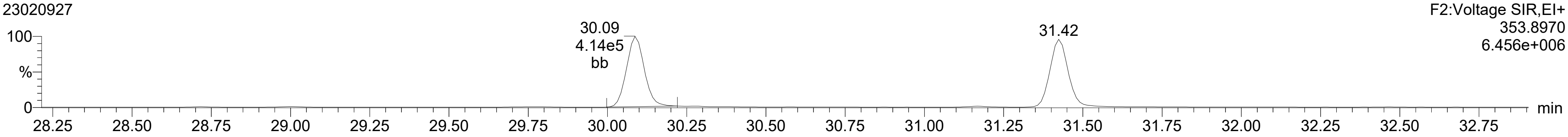

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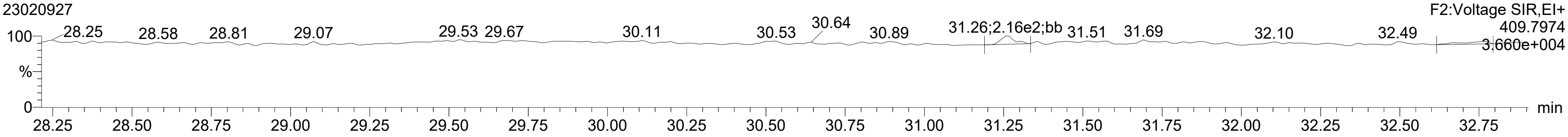

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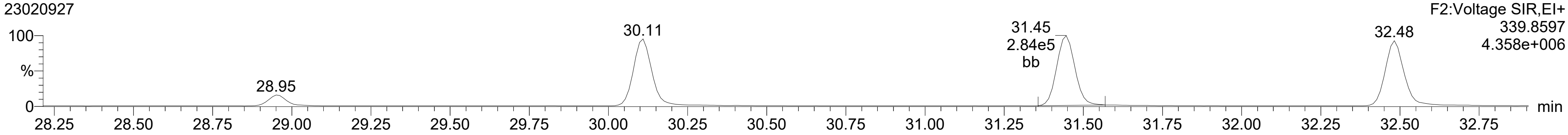
23478-PeCDF



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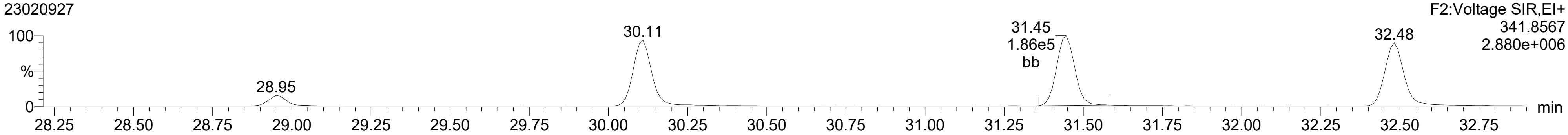

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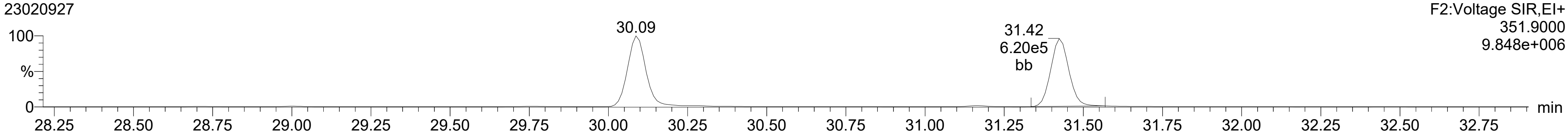

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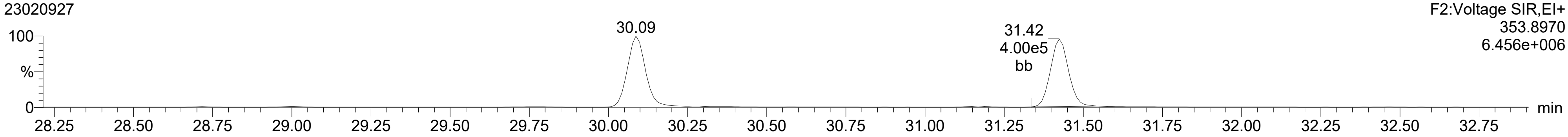

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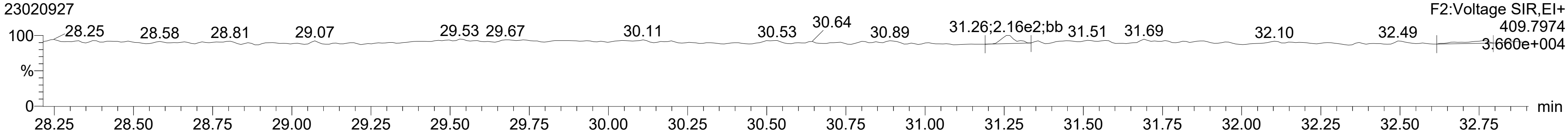

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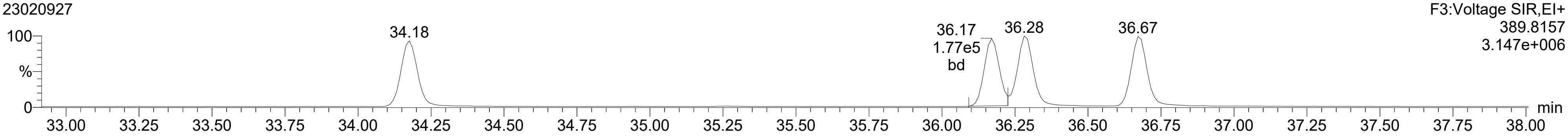
123478-HxCDD



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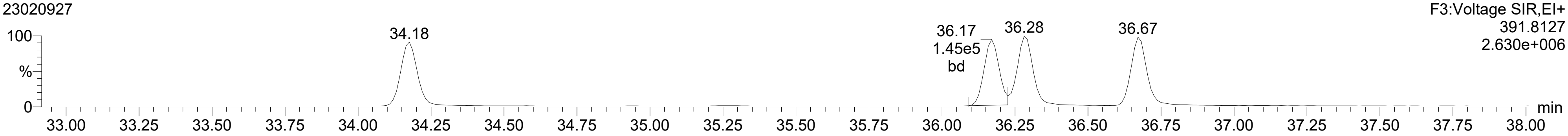

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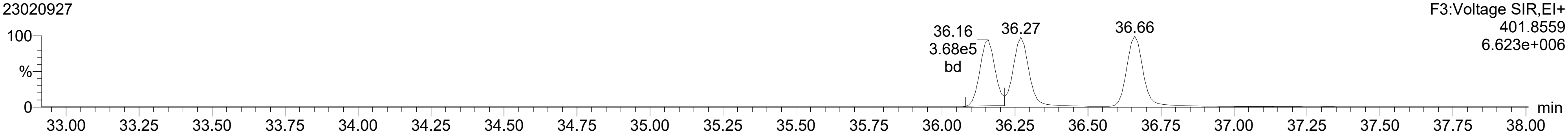

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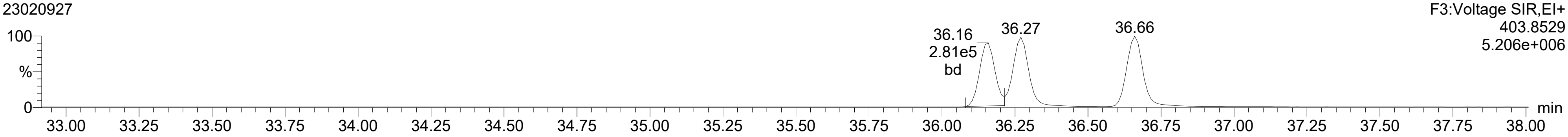

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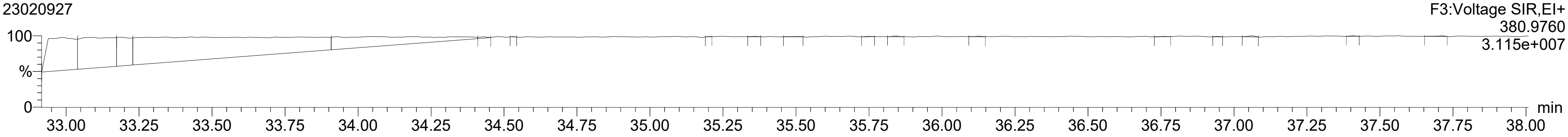

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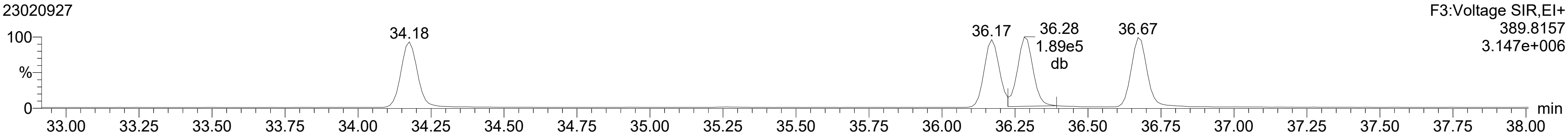

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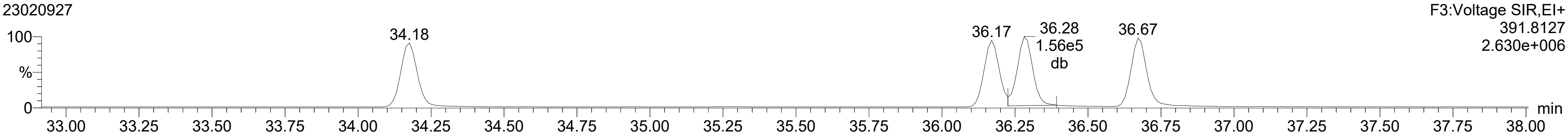

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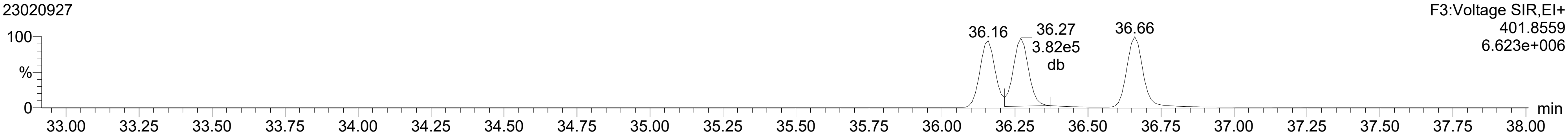

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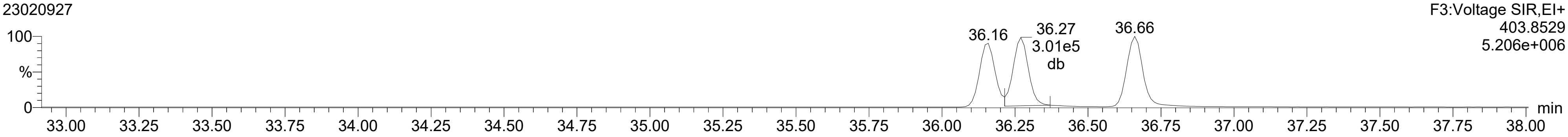

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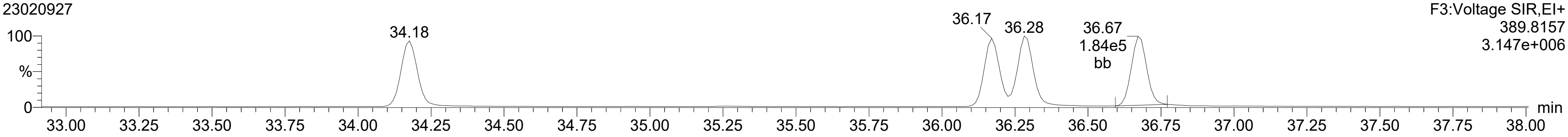

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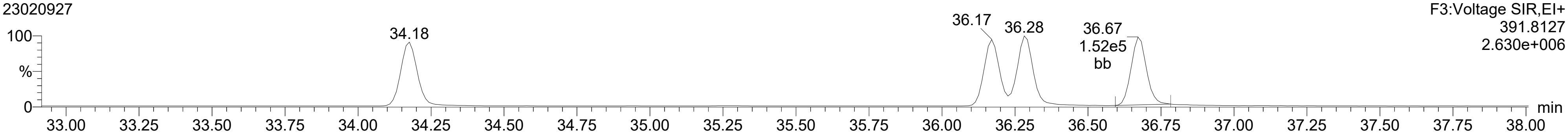

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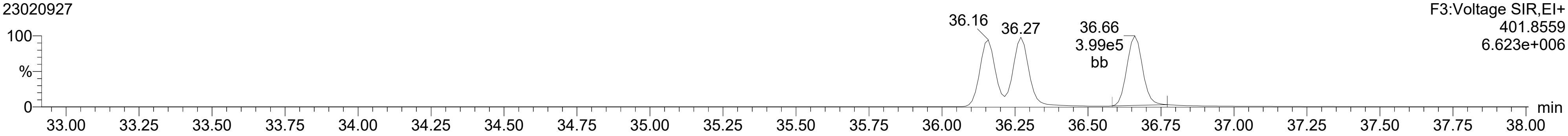

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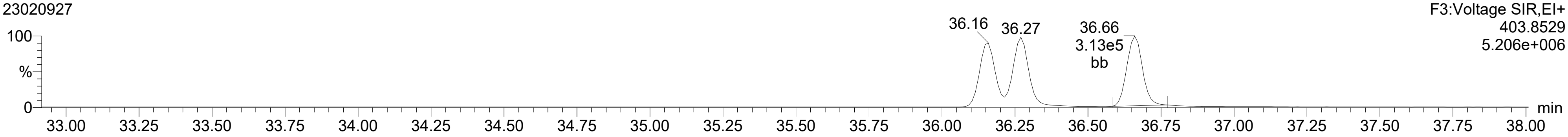

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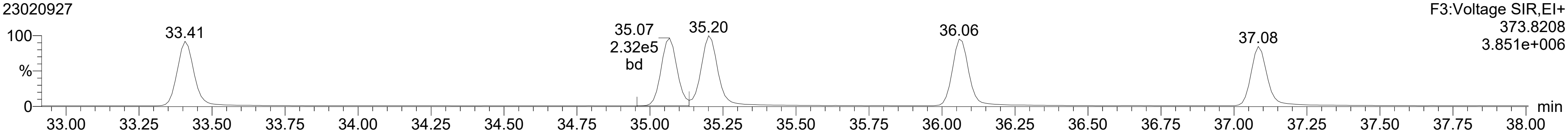

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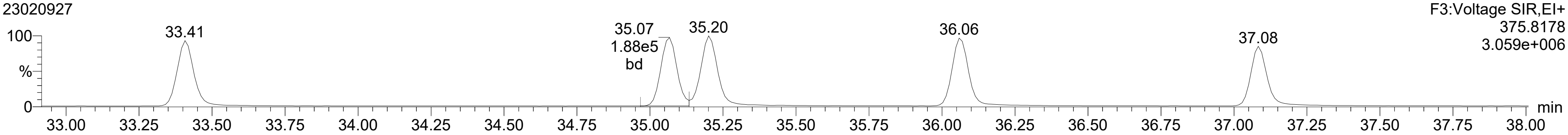

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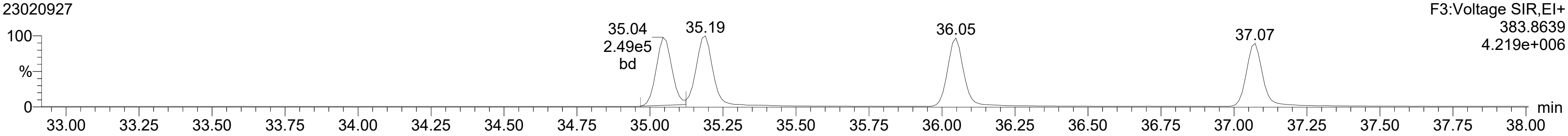

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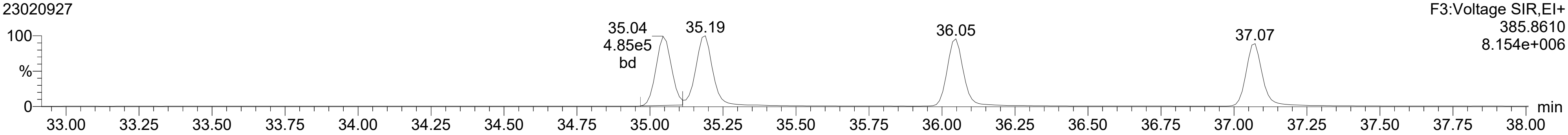
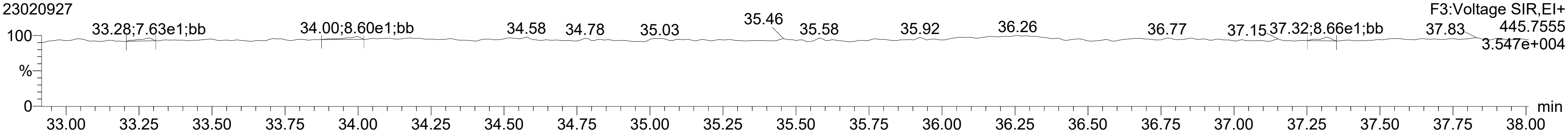


FUNCTION3 OCDPE



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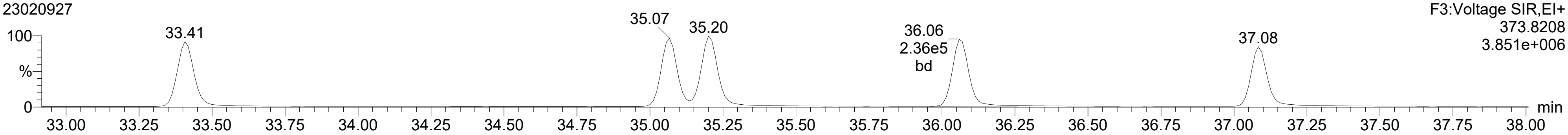
234678-HxCDF



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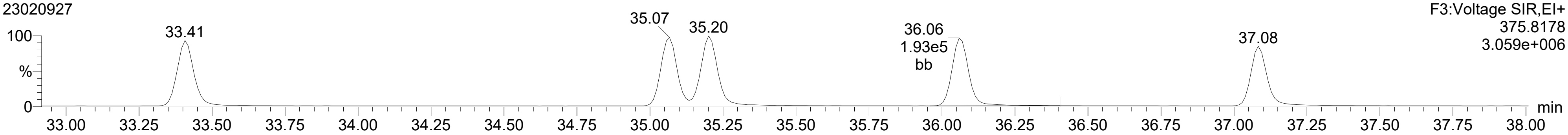

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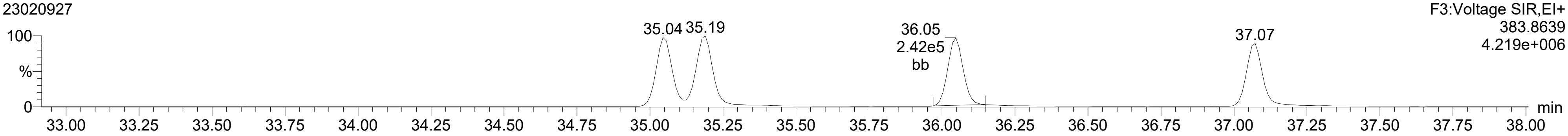

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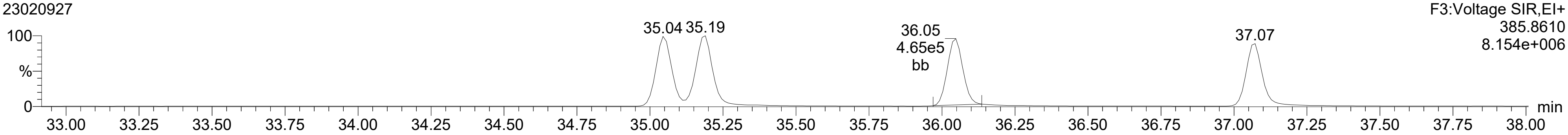

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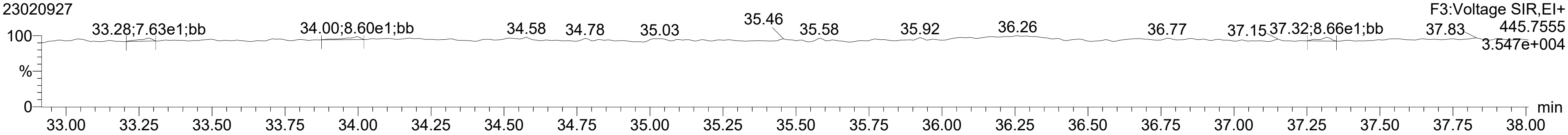

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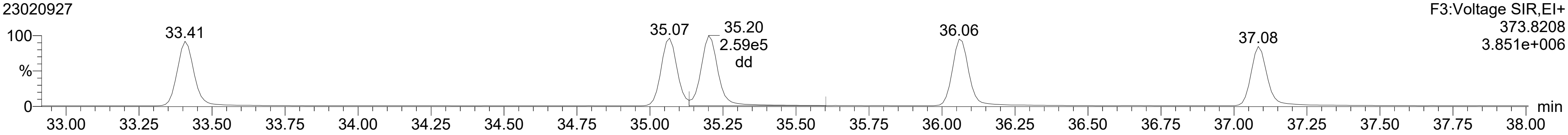

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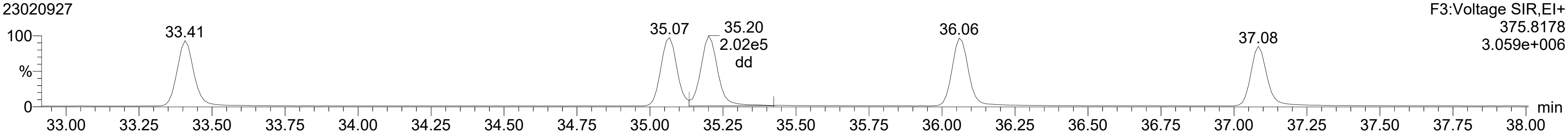

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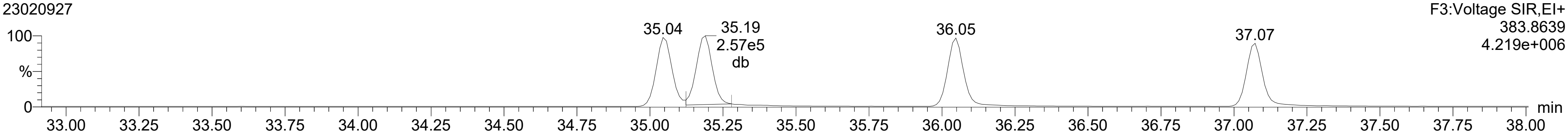

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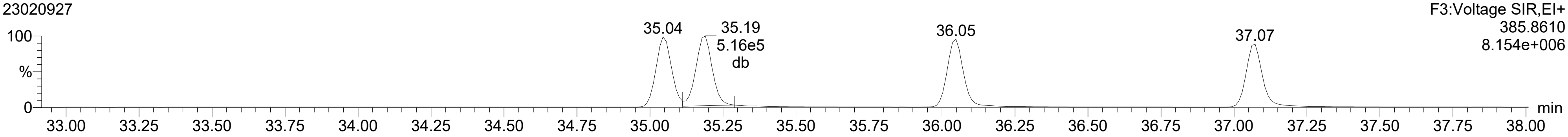

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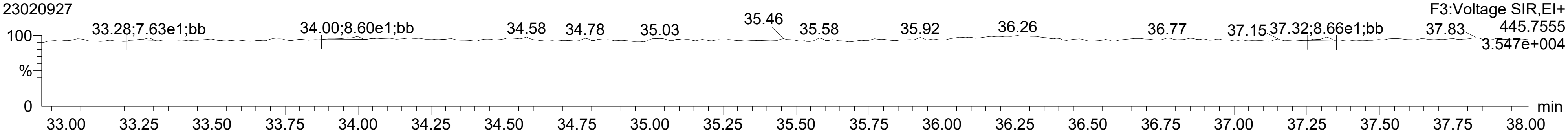

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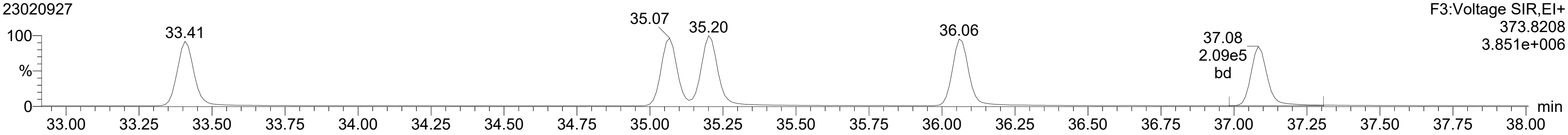

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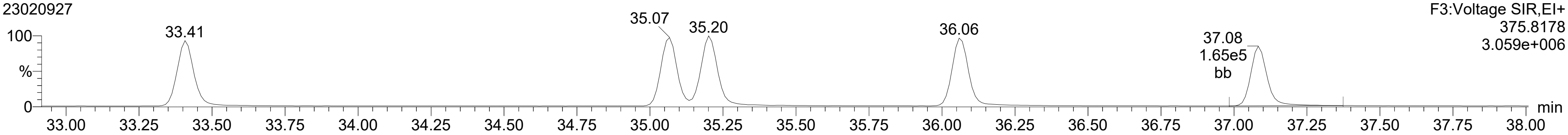

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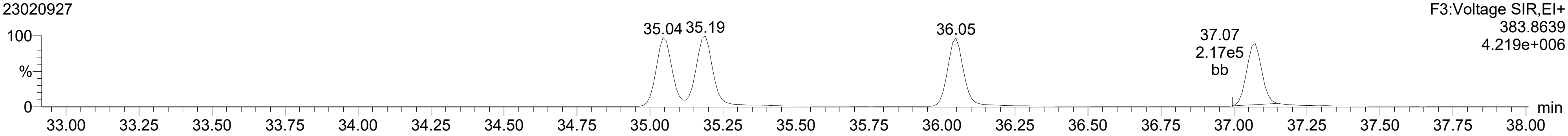

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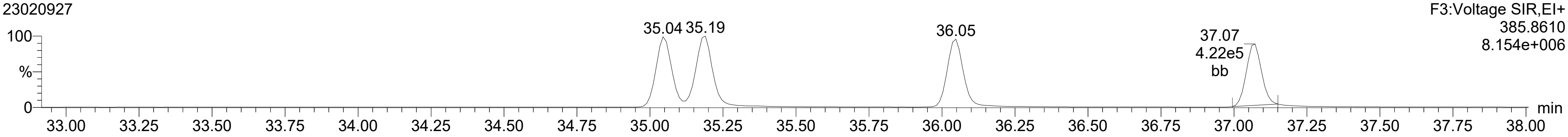

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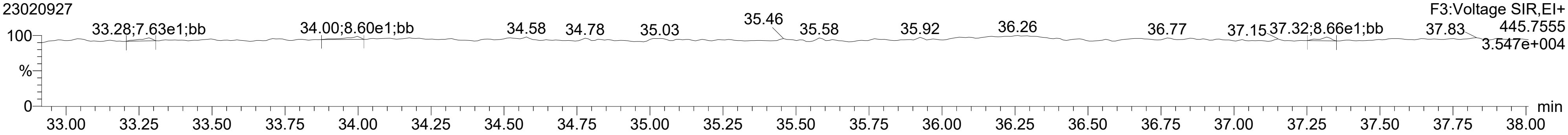

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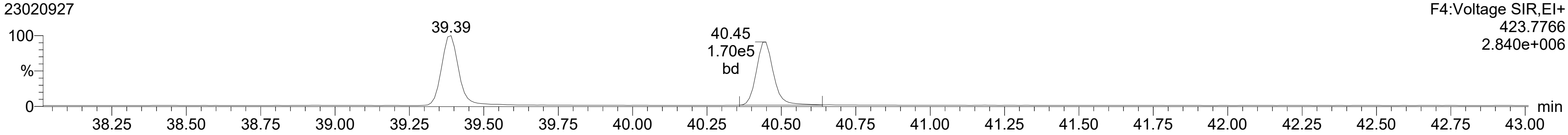

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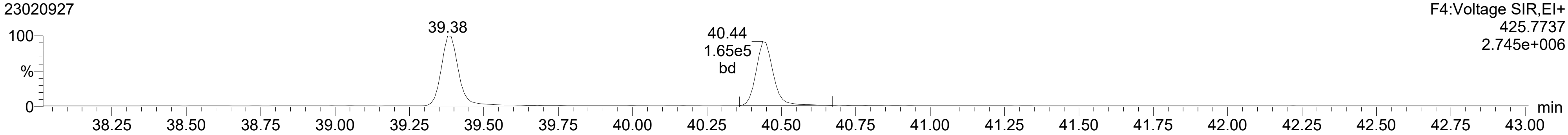

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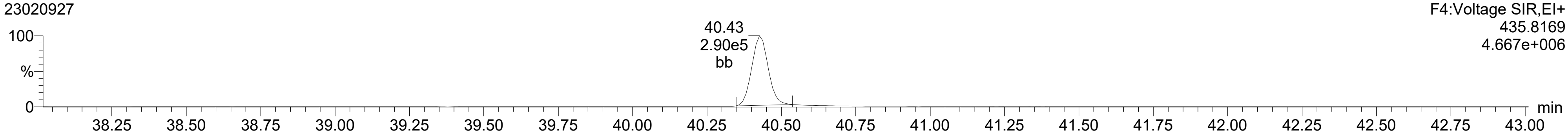

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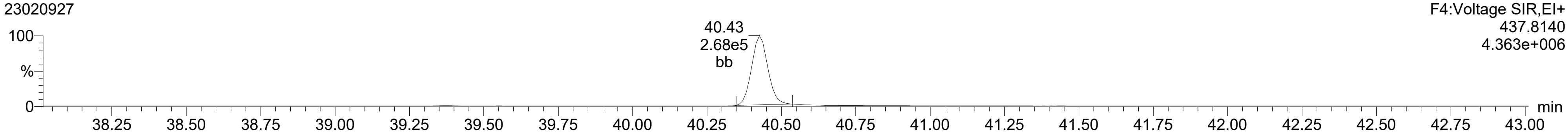

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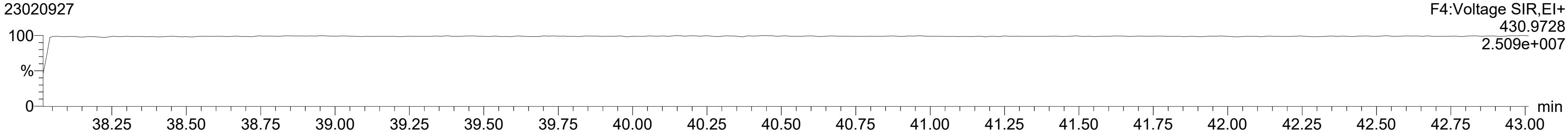

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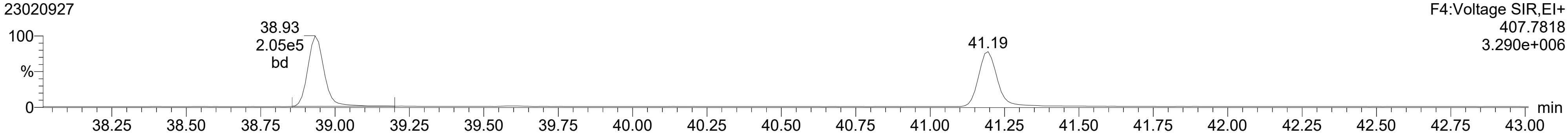

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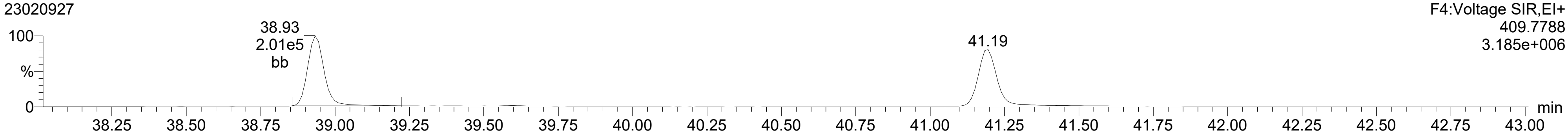

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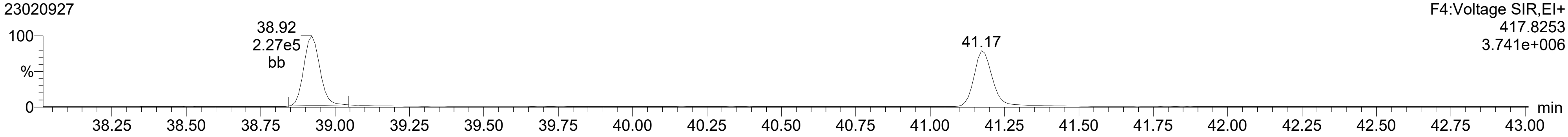

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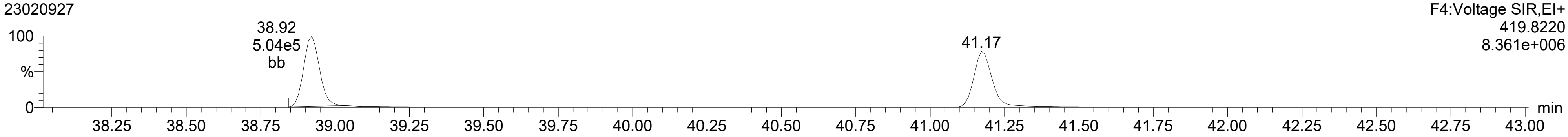

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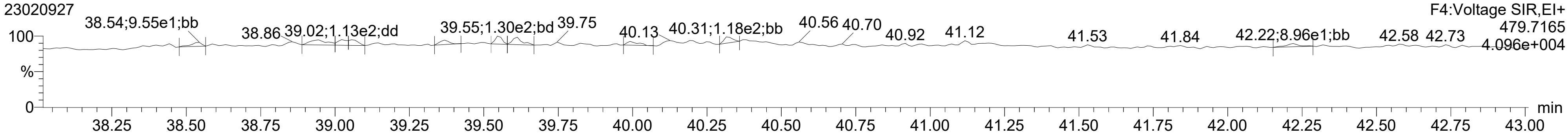

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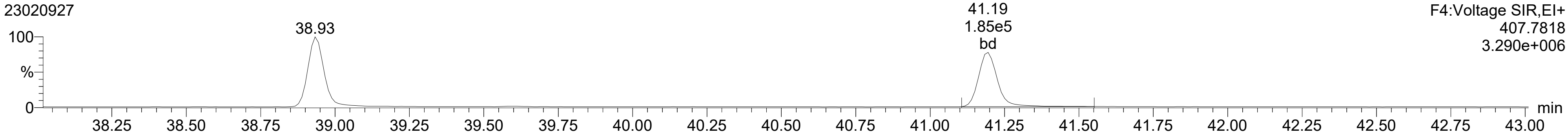

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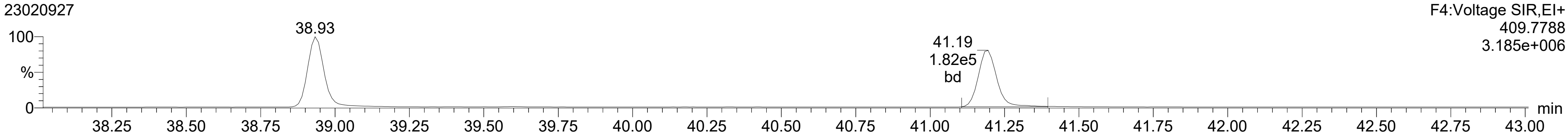

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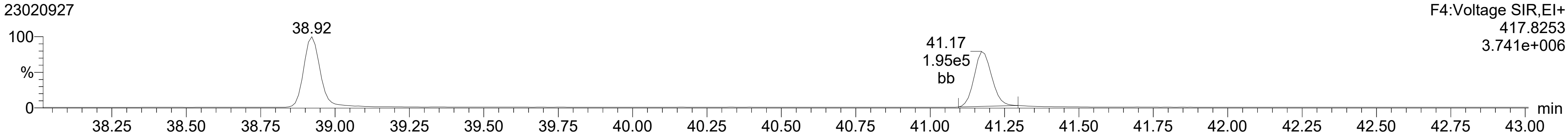

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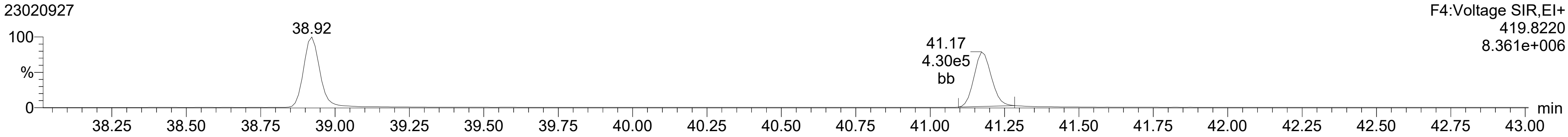

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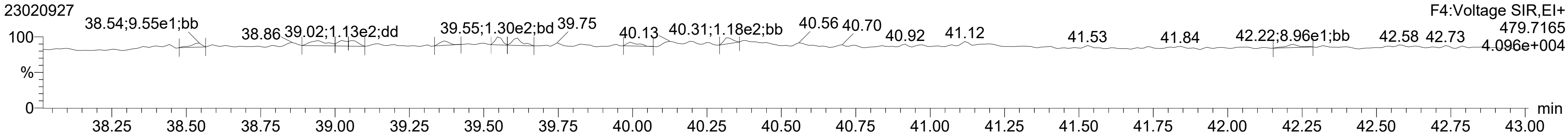

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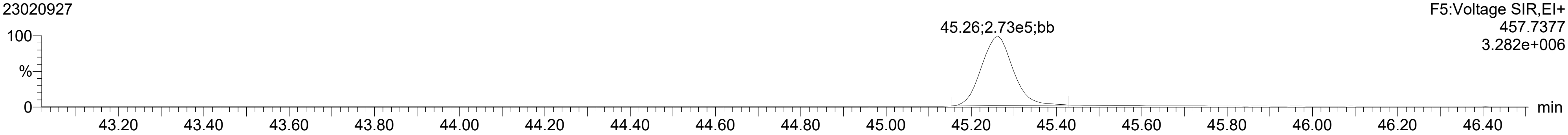

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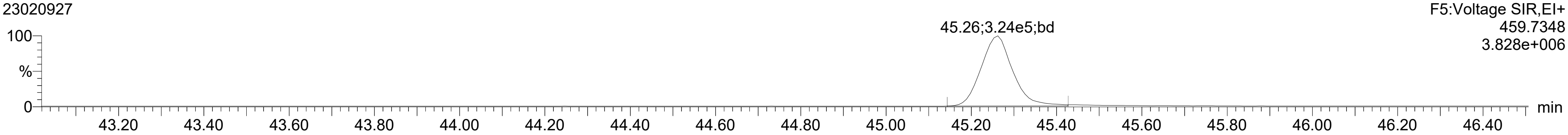

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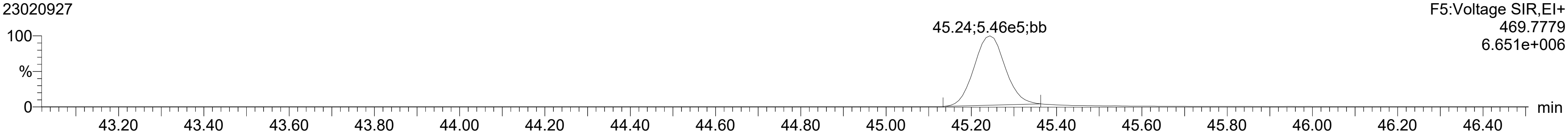

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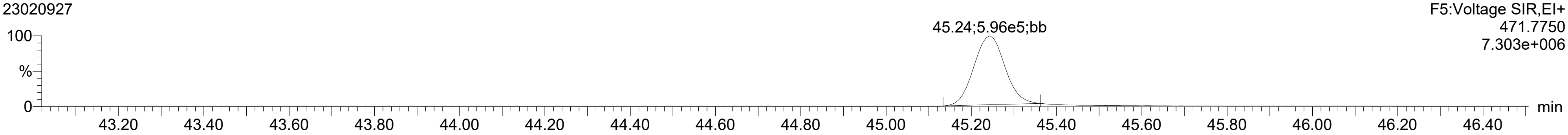

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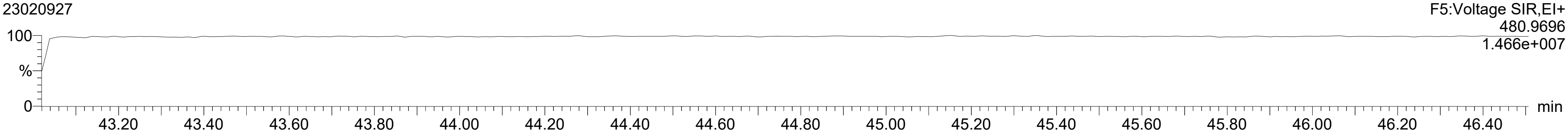

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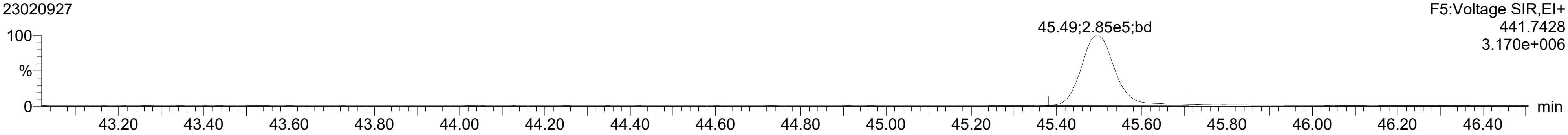

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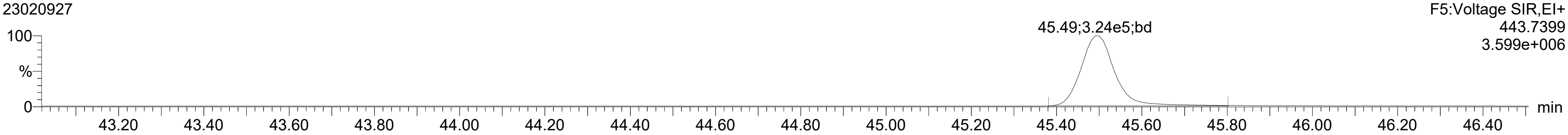

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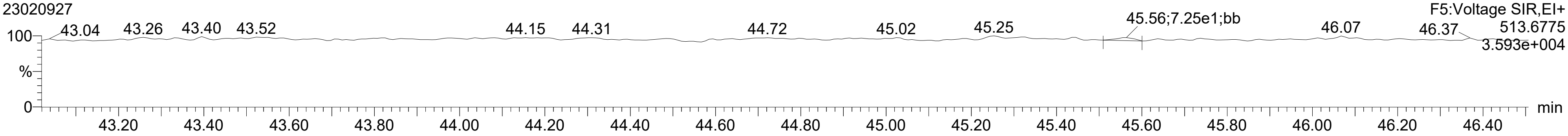

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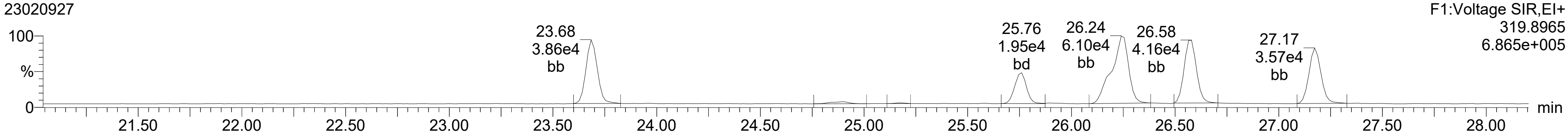

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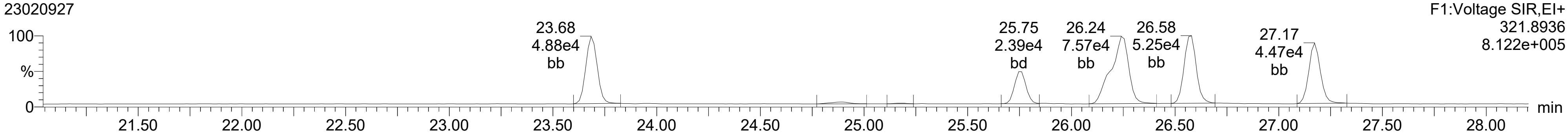

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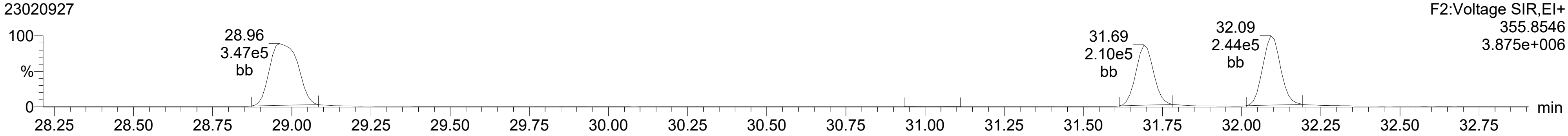

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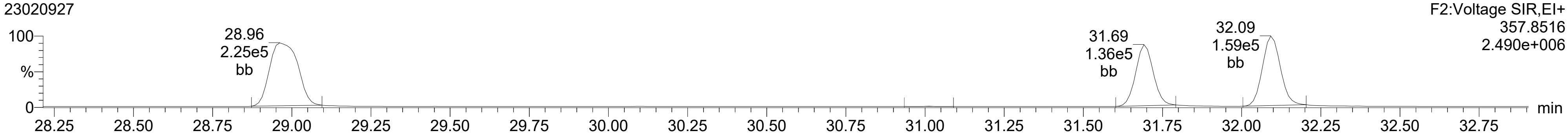

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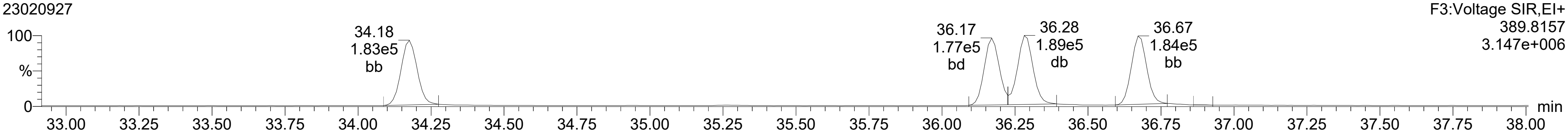

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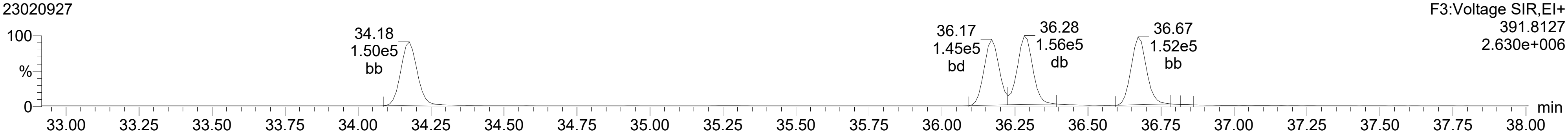

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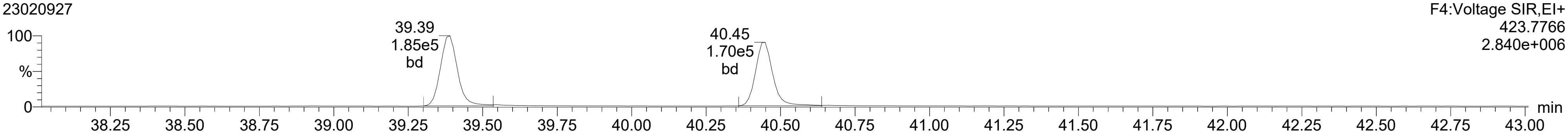

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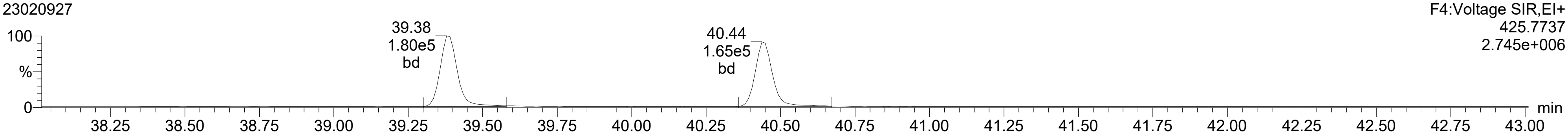

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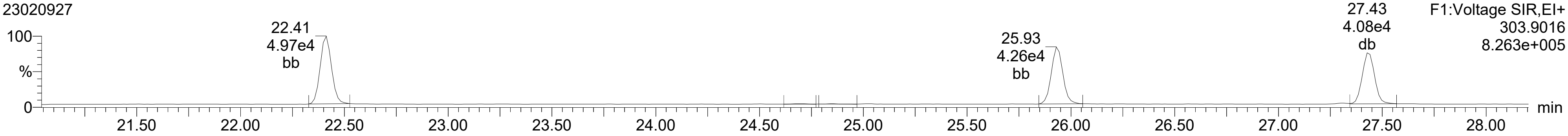
Total-tetrafurans



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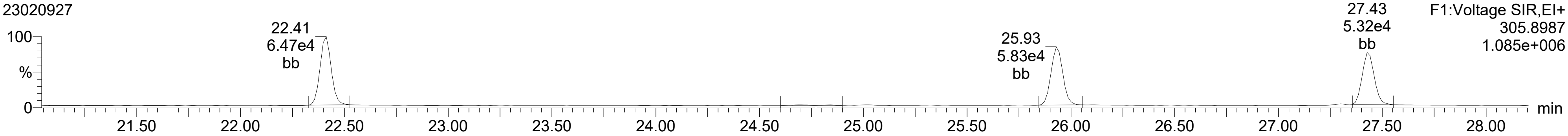

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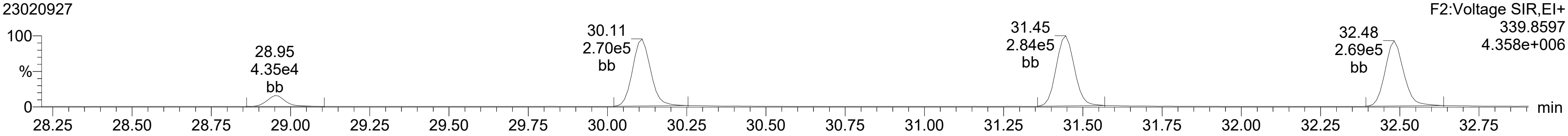

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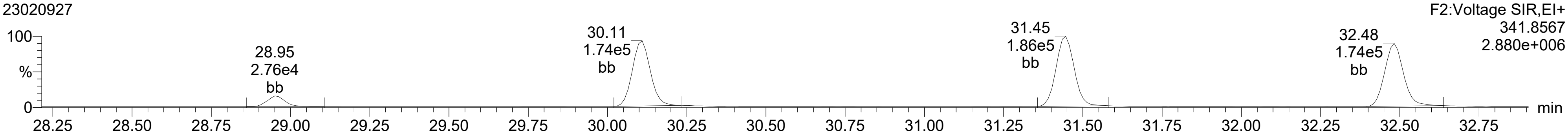

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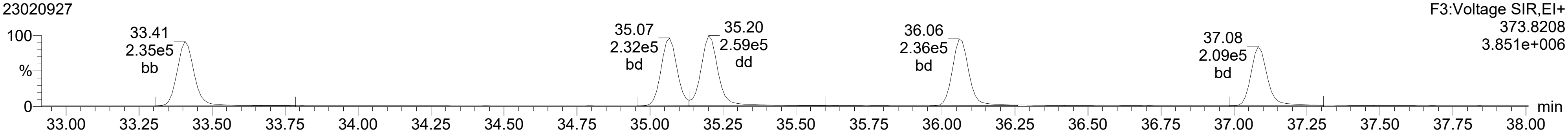

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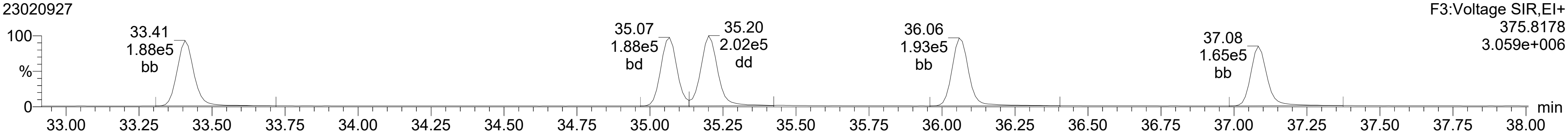

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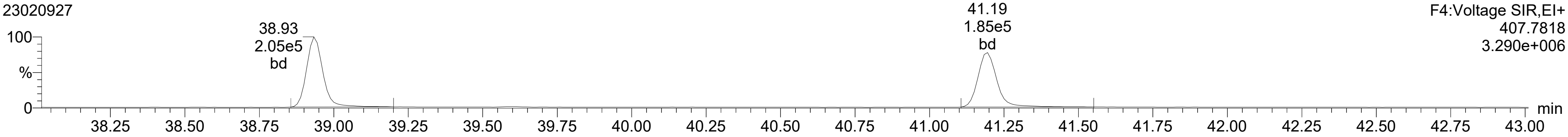

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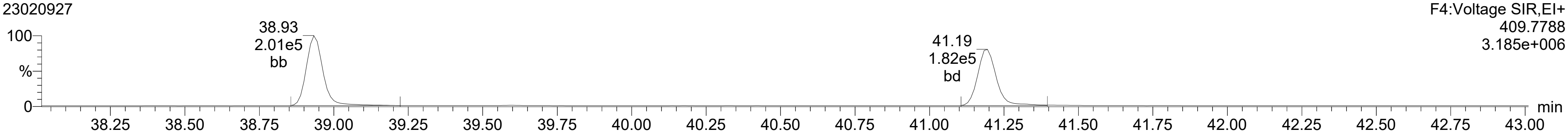

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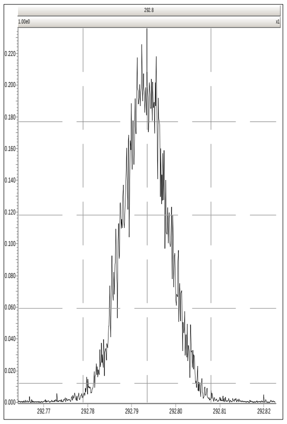

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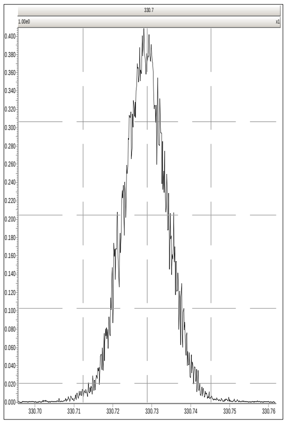

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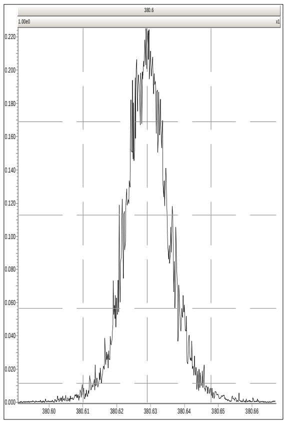

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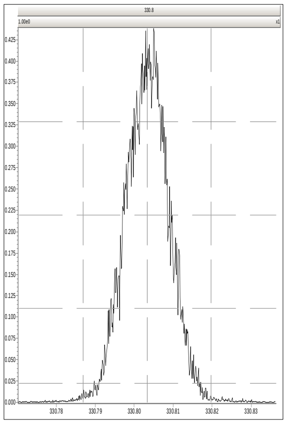

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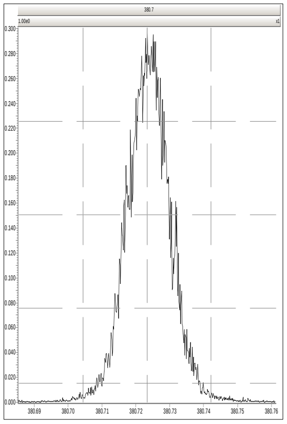

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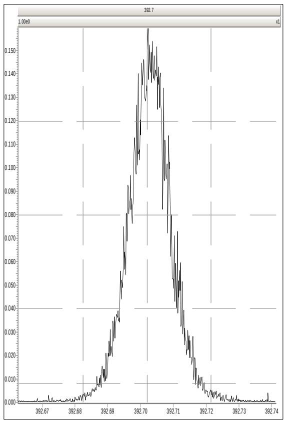

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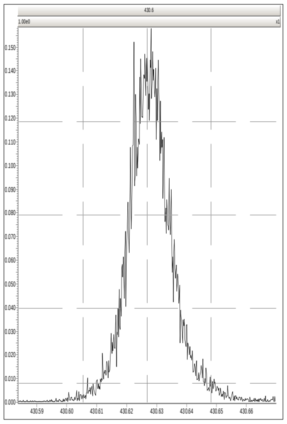

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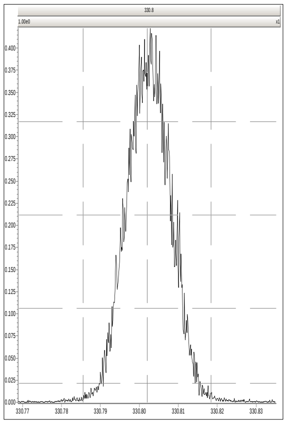

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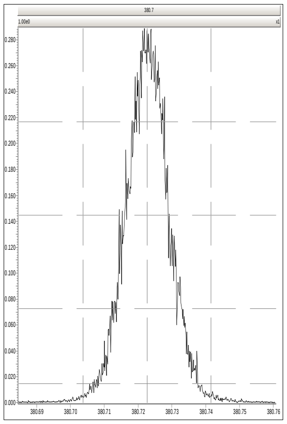

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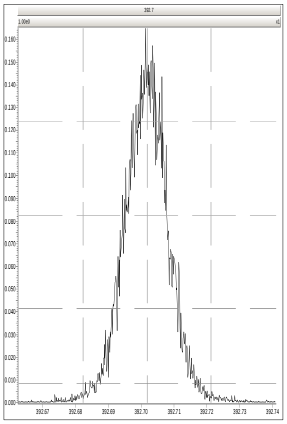

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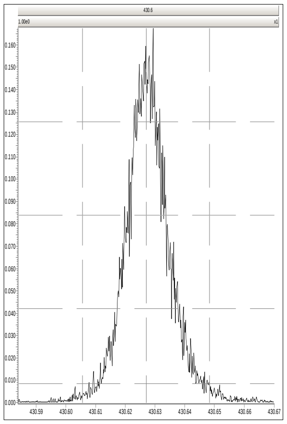

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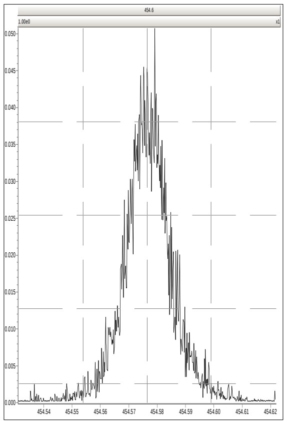
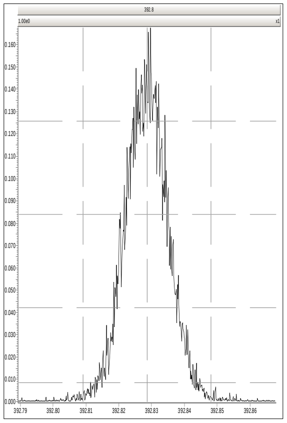
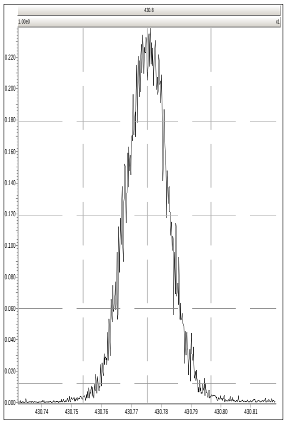


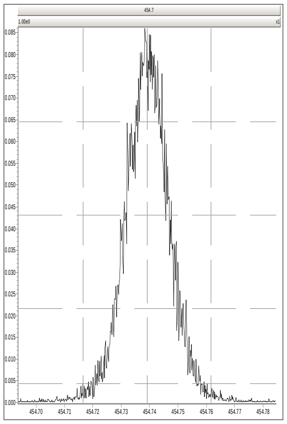
M 392.9760 R 13561



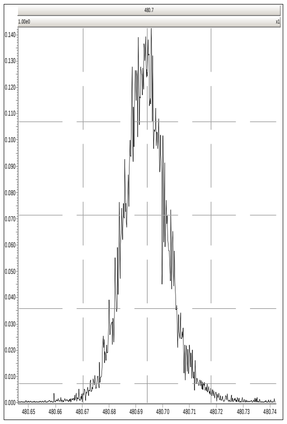
M 430.9728 R 13094



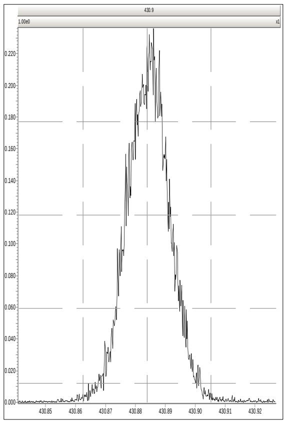
M 454.9728 R 13307



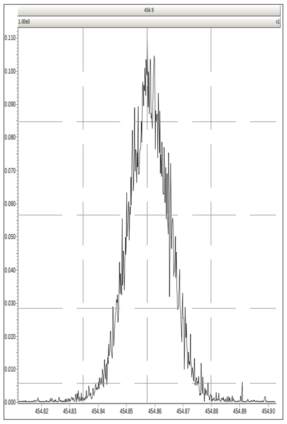
M 480.9696 R 13233



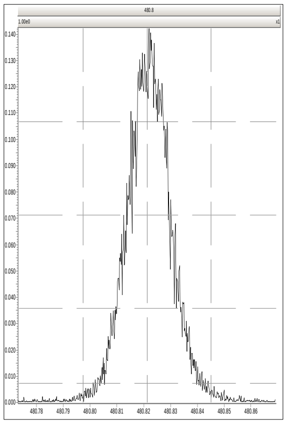
M 430.9728 R 13590



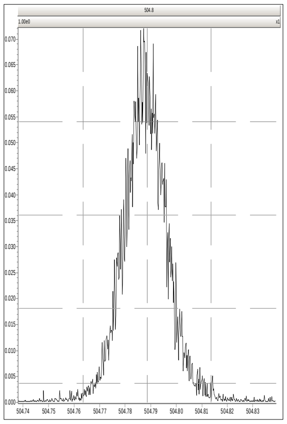
M 454.9728 R 13662



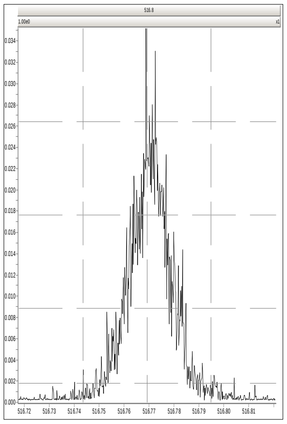
M 480.9696 R 12698

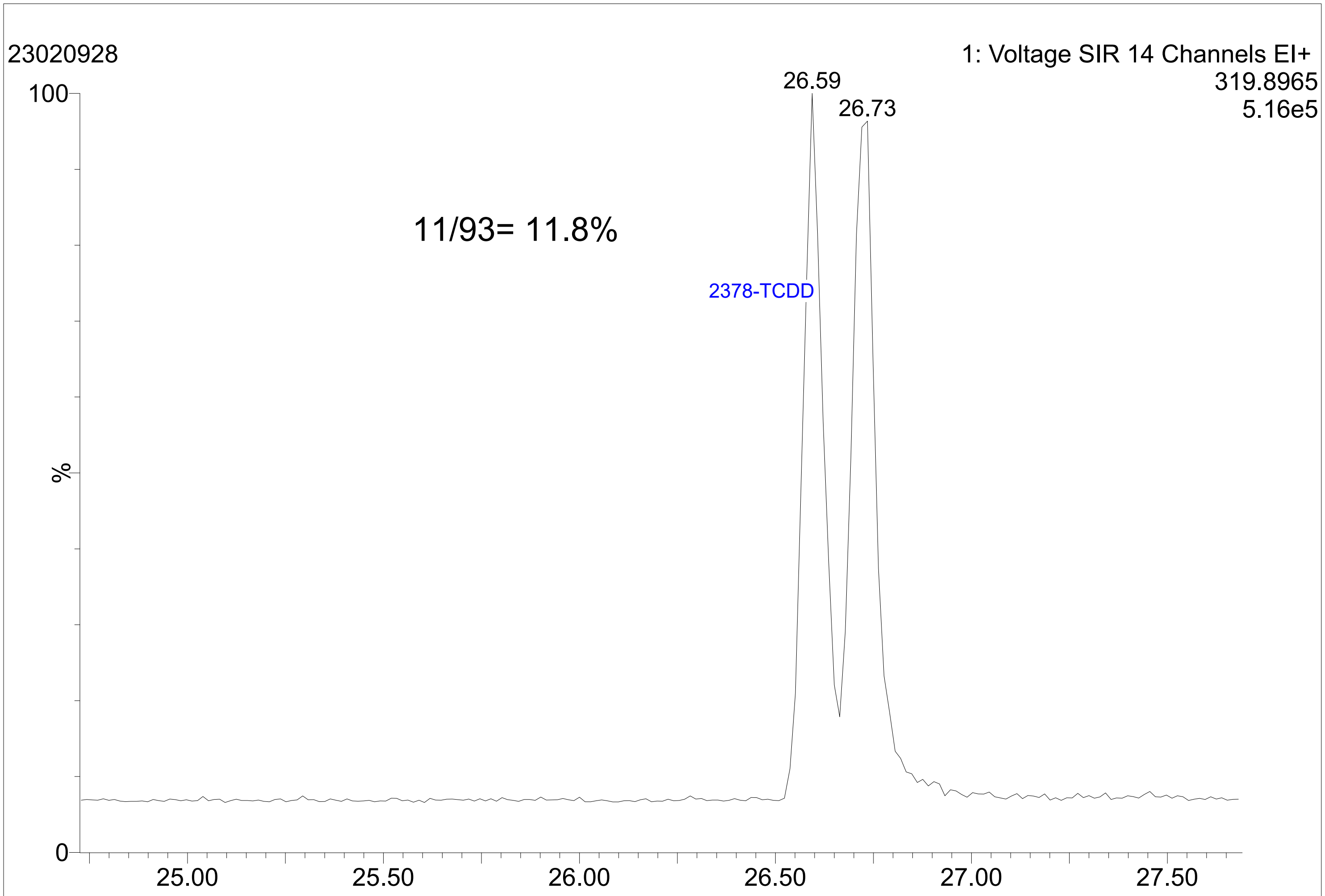


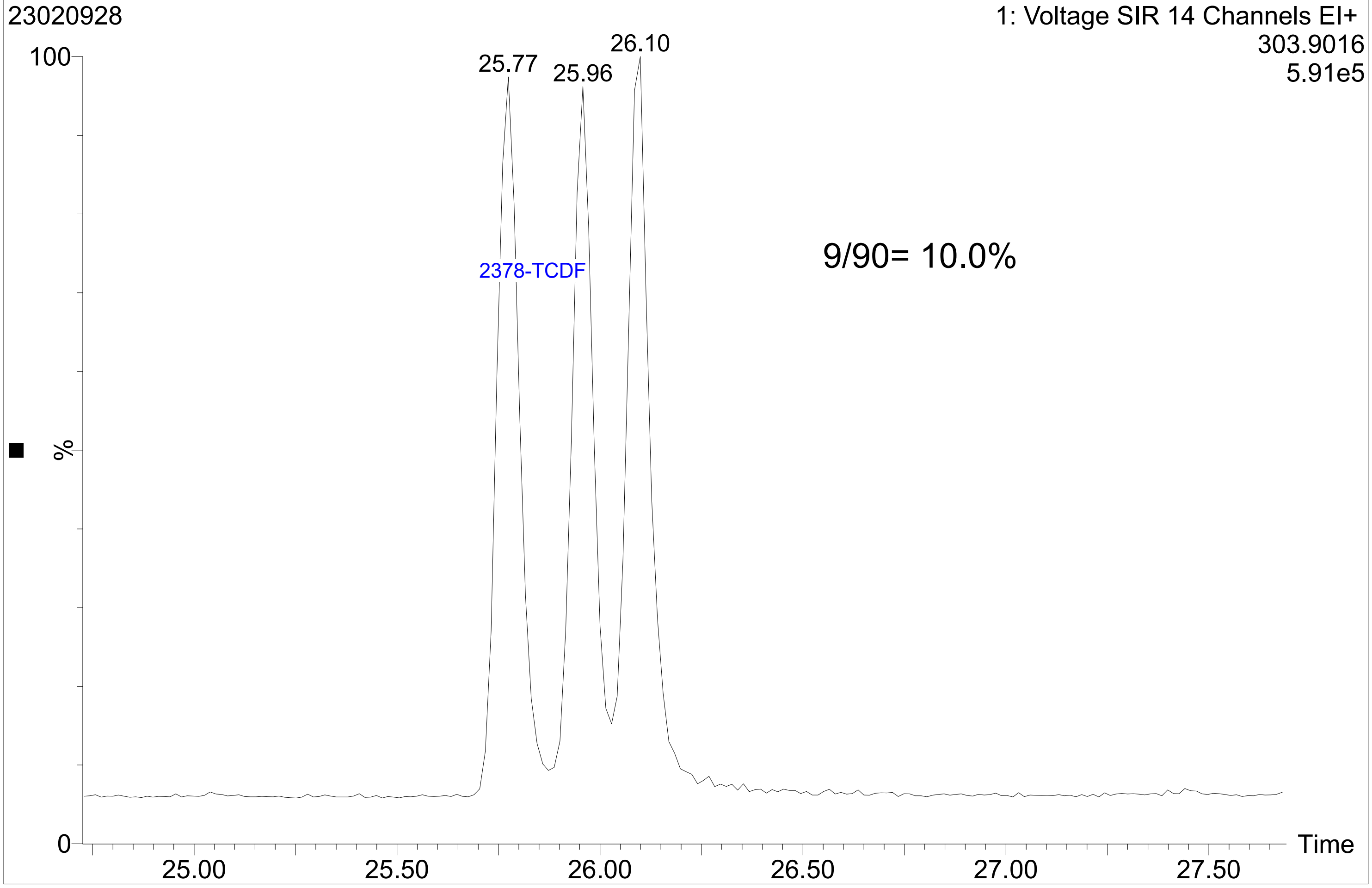
M 504.9696 R 12921



M 516.9697 R 13307




23020928
1: Voltage SIR 14 Channels EI+
319.8965
5.16e5
100
%
0
26.59
26.73
11/93= 11.8%
2378-TCDD
25.00
25.50
26.00
26.50
27.00
27.50


23020928
1: Voltage SIR 14 Channels EI+
303.9016
5.91e5
100
%
0
25.77
25.96
26.10
2378-TCDF
9/90= 10.0%
Time
25.00
25.50
26.00
26.50
27.00
27.50

CDD/CDF CHROMATOGRAPHIC RESOLUTION SUMMARY

EPA 1613B

Lab Name: Analytical Resources, LLC

SDG: 22L0307

Instrument .ID: AUTOSPEC01

Lab File ID: 23020103

Date Analyzed: 02/01/23

Time Analyzed: 13:02

Lab Sample ID: SLB0026-RES1

Sequence: SLB0026

Percent Valley Determination for Column: RTX-Dioxin2 ID: 0.25 (mm)

1278-TCDD/2378-TCDD: 10.3

3467-TCDF/2378-TCDF: 10

Quality Control (QC) Limits: ≤ 25%

Lab Sample ID	Sample Name	Lab File ID	Data Analyzed	Time Analyzed
SLB0026-ICV1	CS3R1	23020102	02/01/2023	10:37
SLB0026-RES1	ISCR1	23020103	02/01/2023	13:02
SLB0026-CAL1	CSLCR	23020104	02/01/2023	14:39
SLB0026-CAL2	CS1CR	23020105	02/01/2023	15:28
SLB0026-CAL3	CS2CR	23020106	02/01/2023	17:07
SLB0026-CAL4	CS3CR	23020107	02/01/2023	17:56
SLB0026-CAL5	CS4CR	23020108	02/01/2023	18:45
SLB0026-CAL6	CS5CR	23020109	02/01/2023	19:34
SLB0026-SCV1	ICVCR	23020110	02/01/2023	20:23
SLB0026-CCV1	CS3R2	23020111	02/01/2023	21:12
SLB0026-RES2	ISCR2	23020112	02/01/2023	22:06

Analytical Resources, LLC
Analytical Chemists and Consultants

CDD/CDF CHROMATOGRAPHIC RESOLUTION SUMMARY

EPA 1613B

Lab Name:	Analytical Resources, LLC	SDG:	22L0307
Instrument .ID:	AUTOSPEC01	Lab File ID:	23020112
Date Analyzed:	02/01/23	Time Analyzed:	22:06
Lab Sample ID:	SLB0026-RES2	Sequence:	SLB0026

Percent Valley Determination for Column: RTX-Dioxin2 ID: 0.25 (mm)

1278-TCDD/2378-TCDD: 7.6

3467-TCDF/2378-TCDF: 9

Quality Control (QC) Limits: ≤ 25%

Lab Sample ID	Sample Name	Lab File ID	Data Analyzed	Time Analyzed
SLB0026-ICV1	CS3R1	23020102	02/01/2023	10:37
SLB0026-RES1	ISCR1	23020103	02/01/2023	13:02
SLB0026-CAL1	CSLCR	23020104	02/01/2023	14:39
SLB0026-CAL2	CS1CR	23020105	02/01/2023	15:28
SLB0026-CAL3	CS2CR	23020106	02/01/2023	17:07
SLB0026-CAL4	CS3CR	23020107	02/01/2023	17:56
SLB0026-CAL5	CS4CR	23020108	02/01/2023	18:45
SLB0026-CAL6	CS5CR	23020109	02/01/2023	19:34
SLB0026-SCV1	ICVCR	23020110	02/01/2023	20:23
SLB0026-CCV1	CS3R2	23020111	02/01/2023	21:12
SLB0026-RES2	ISCR2	23020112	02/01/2023	22:06

CDD/CDF CHROMATOGRAPHIC RESOLUTION SUMMARY

EPA 1613B

Lab Name:	Analytical Resources, LLC	SDG:	22L0307
Instrument .ID:	AUTOSPEC01	Lab File ID:	23020703
Date Analyzed:	02/07/23	Time Analyzed:	10:20
Lab Sample ID:	SLB0072-RES1	Sequence:	SLB0072

Percent Valley Determination for Column: RTX-Dioxin2 ID: 0.25 (mm)

1278-TCDD/2378-TCDD: 11.4

3467-TCDF/2378-TCDF: 9.9

Quality Control (QC) Limits: ≤ 25%

Lab Sample ID	Sample Name	Lab File ID	Data Analyzed	Time Analyzed
SLB0072-ICV1	CS3T1	23020702	02/07/2023	09:25
SLB0072-RES1	ISCT1	23020703	02/07/2023	10:20
SLB0072-CCV1	CS3T2	23020712	02/07/2023	18:03
SLB0072-RES2	ISCT2	23020713	02/07/2023	18:57
SLB0072-CCV2	CS3T3	23020721	02/08/2023	01:35
SLB0072-RES3	ISCT3	23020722	02/08/2023	02:29
BKL0420-BLK1	Blank	23020723	02/08/2023	03:21
BKL0420-BS1	LCS	23020724	02/08/2023	04:10
BKL0420-SRM1	Reference	23020725	02/08/2023	04:59
BKL0420-DUP1	Duplicate	23020726	02/08/2023	05:49
22L0307-29	LDW22-IT808A	23020727	02/08/2023	06:38
22L0307-30	LDW22-IT808B	23020728	02/08/2023	07:28
22L0307-31	LDW22-IT808C	23020729	02/08/2023	08:17
22L0307-32	LDW22-IT808D	23020730	02/08/2023	09:07
22L0307-33	LDW22-IT808E	23020731	02/08/2023	09:56
22L0307-34	LDW22-IT808F	23020732	02/08/2023	10:46
SLB0072-CCV3	CS3T4	23020733	02/08/2023	11:35

CDD/CDF CHROMATOGRAPHIC RESOLUTION SUMMARY

EPA 1613B

Lab Name:	Analytical Resources, LLC	SDG:	22L0307
Instrument .ID:	AUTOSPEC01	Lab File ID:	23020713
Date Analyzed:	02/07/23	Time Analyzed:	18:57
Lab Sample ID:	SLB0072-RES2	Sequence:	SLB0072

Percent Valley Determination for Column: RTX-Dioxin2 ID: 0.25 (mm)

1278-TCDD/2378-TCDD: 11

3467-TCDF/2378-TCDF: 10.4

Quality Control (QC) Limits: ≤ 25%

Lab Sample ID	Sample Name	Lab File ID	Data Analyzed	Time Analyzed
SLB0072-ICV1	CS3T1	23020702	02/07/2023	09:25
SLB0072-RES1	ISCT1	23020703	02/07/2023	10:20
SLB0072-CCV1	CS3T2	23020712	02/07/2023	18:03
SLB0072-RES2	ISCT2	23020713	02/07/2023	18:57
SLB0072-CCV2	CS3T3	23020721	02/08/2023	01:35
SLB0072-RES3	ISCT3	23020722	02/08/2023	02:29
BKL0420-BLK1	Blank	23020723	02/08/2023	03:21
BKL0420-BS1	LCS	23020724	02/08/2023	04:10
BKL0420-SRM1	Reference	23020725	02/08/2023	04:59
BKL0420-DUP1	Duplicate	23020726	02/08/2023	05:49
22L0307-29	LDW22-IT808A	23020727	02/08/2023	06:38
22L0307-30	LDW22-IT808B	23020728	02/08/2023	07:28
22L0307-31	LDW22-IT808C	23020729	02/08/2023	08:17
22L0307-32	LDW22-IT808D	23020730	02/08/2023	09:07
22L0307-33	LDW22-IT808E	23020731	02/08/2023	09:56
22L0307-34	LDW22-IT808F	23020732	02/08/2023	10:46
SLB0072-CCV3	CS3T4	23020733	02/08/2023	11:35

CDD/CDF CHROMATOGRAPHIC RESOLUTION SUMMARY

EPA 1613B

Lab Name:	Analytical Resources, LLC	SDG:	22L0307
Instrument .ID:	AUTOSPEC01	Lab File ID:	23020722
Date Analyzed:	02/08/23	Time Analyzed:	02:29
Lab Sample ID:	SLB0072-RES3	Sequence:	SLB0072

Percent Valley Determination for Column: RTX-Dioxin2 ID: 0.25 (mm)

1278-TCDD/2378-TCDD: 10

3467-TCDF/2378-TCDF: 5

Quality Control (QC) Limits: ≤ 25%

Lab Sample ID	Sample Name	Lab File ID	Data Analyzed	Time Analyzed
SLB0072-ICV1	CS3T1	23020702	02/07/2023	09:25
SLB0072-RES1	ISCT1	23020703	02/07/2023	10:20
SLB0072-CCV1	CS3T2	23020712	02/07/2023	18:03
SLB0072-RES2	ISCT2	23020713	02/07/2023	18:57
SLB0072-CCV2	CS3T3	23020721	02/08/2023	01:35
SLB0072-RES3	ISCT3	23020722	02/08/2023	02:29
BKL0420-BLK1	Blank	23020723	02/08/2023	03:21
BKL0420-BS1	LCS	23020724	02/08/2023	04:10
BKL0420-SRM1	Reference	23020725	02/08/2023	04:59
BKL0420-DUP1	Duplicate	23020726	02/08/2023	05:49
22L0307-29	LDW22-IT808A	23020727	02/08/2023	06:38
22L0307-30	LDW22-IT808B	23020728	02/08/2023	07:28
22L0307-31	LDW22-IT808C	23020729	02/08/2023	08:17
22L0307-32	LDW22-IT808D	23020730	02/08/2023	09:07
22L0307-33	LDW22-IT808E	23020731	02/08/2023	09:56
22L0307-34	LDW22-IT808F	23020732	02/08/2023	10:46
SLB0072-CCV3	CS3T4	23020733	02/08/2023	11:35

CDD/CDF CHROMATOGRAPHIC RESOLUTION SUMMARY

EPA 1613B

Lab Name: Analytical Resources, LLC
SDG: 22L0307
Instrument .ID: AUTOSPEC01
Lab File ID: 23020903
Date Analyzed: 02/09/23
Time Analyzed: 15:43
Lab Sample ID: SLB0130-RES1
Sequence: SLB0130

Percent Valley Determination for Column: RTX-Dioxin2 ID: 0.25 (mm)

1278-TCDD/2378-TCDD: 18.6
3467-TCDF/2378-TCDF: 12.8

Quality Control (QC) Limits: ≤ 25%

Lab Sample ID	Sample Name	Lab File ID	Data Analyzed	Time Analyzed
SLB0130-ICV1	CS3U1	23020902	02/09/2023	14:51
SLB0130-RES1	ISCU1	23020903	02/09/2023	15:43
SLB0130-CCV1	CS3U2	23020913	02/09/2023	23:56
SLB0130-RES2	ISCU2	23020914	02/10/2023	00:50
SLB0130-CCV2	CS3U3	23020927	02/10/2023	14:10
SLB0130-RES3	ISCU3	23020928	02/10/2023	15:06

CDD/CDF CHROMATOGRAPHIC RESOLUTION SUMMARY
EPA 1613B

Lab Name:	Analytical Resources, LLC	SDG:	22L0307
Instrument .ID:	AUTOSPEC01	Lab File ID:	23020914
Date Analyzed:	02/10/23	Time Analyzed:	00:50
Lab Sample ID:	SLB0130-RES2	Sequence:	SLB0130

Percent Valley Determination for Column: RTX-Dioxin2 ID: 0.25 (mm)

1278-TCDD/2378-TCDD: 11.1

3467-TCDF/2378-TCDF: 9.1

Quality Control (QC) Limits: ≤ 25%

Lab Sample ID	Sample Name	Lab File ID	Data Analyzed	Time Analyzed
SLB0130-ICV1	CS3U1	23020902	02/09/2023	14:51
SLB0130-RES1	ISCU1	23020903	02/09/2023	15:43
SLB0130-CCV1	CS3U2	23020913	02/09/2023	23:56
SLB0130-RES2	ISCU2	23020914	02/10/2023	00:50
SLB0130-CCV2	CS3U3	23020927	02/10/2023	14:10
SLB0130-RES3	ISCU3	23020928	02/10/2023	15:06

CDD/CDF CHROMATOGRAPHIC RESOLUTION SUMMARY

EPA 1613B

Lab Name:	Analytical Resources, LLC	SDG:	22L0307
Instrument .ID:	AUTOSPEC01	Lab File ID:	23020928
Date Analyzed:	02/10/23	Time Analyzed:	15:06
Lab Sample ID:	SLB0130-RES3	Sequence:	SLB0130

Percent Valley Determination for Column: RTX-Dioxin2 ID: 0.25 (mm)

1278-TCDD/2378-TCDD: 11.8

3467-TCDF/2378-TCDF: 10

Quality Control (QC) Limits: ≤ 25%

Lab Sample ID	Sample Name	Lab File ID	Data Analyzed	Time Analyzed
SLB0130-ICV1	CS3U1	23020902	02/09/2023	14:51
SLB0130-RES1	ISCU1	23020903	02/09/2023	15:43
SLB0130-CCV1	CS3U2	23020913	02/09/2023	23:56
SLB0130-RES2	ISCU2	23020914	02/10/2023	00:50
SLB0130-CCV2	CS3U3	23020927	02/10/2023	14:10
SLB0130-RES3	ISCU3	23020928	02/10/2023	15:06

ANALYSIS BATCH (SEQUENCE) SUMMARY

EPA 1613B

Laboratory: Analytical Resources, LLC
Client: Anchor QEA, LLC
Sequence: SLB0026

SDG: 22L0307
Project: AOC4 UR Phase 3
Instrument: AUTOSPEC01
Calibration: GB00010

Sample Name	Lab Sample ID	Lab File ID	Matrix	Analysis Date/Time
CS3R1	SLB0026-ICV1	23020102	NA	02/01/23 10:37
ISCR1	SLB0026-RES1	23020103	NA	02/01/23 13:02
CSLCR	SLB0026-CAL1	23020104	NA	02/01/23 14:39
CS1CR	SLB0026-CAL2	23020105	NA	02/01/23 15:28
CS2CR	SLB0026-CAL3	23020106	NA	02/01/23 17:07
CS3CR	SLB0026-CAL4	23020107	NA	02/01/23 17:56
CS4CR	SLB0026-CAL5	23020108	NA	02/01/23 18:45
CS5CR	SLB0026-CAL6	23020109	NA	02/01/23 19:34
ICVCR	SLB0026-SCV1	23020110	NA	02/01/23 20:23
CS3R2	SLB0026-CCV1	23020111	NA	02/01/23 21:12
ISCR2	SLB0026-RES2	23020112	NA	02/01/23 22:06

ANALYSIS BATCH (SEQUENCE) SUMMARY

EPA 1613B

Laboratory: Analytical Resources, LLC
Client: Anchor QEA, LLC
Sequence: SLB0072

SDG: 22L0307
Project: AOC4 UR Phase 3
Instrument: AUTOSPEC01
Calibration: GB00010

Sample Name	Lab Sample ID	Lab File ID	Matrix	Analysis Date/Time
CS3T1	SLB0072-ICV1	23020702	NA	02/07/23 09:25
ISCT1	SLB0072-RES1	23020703	NA	02/07/23 10:20
CS3T2	SLB0072-CCV1	23020712	NA	02/07/23 18:03
ISCT2	SLB0072-RES2	23020713	NA	02/07/23 18:57
CS3T3	SLB0072-CCV2	23020721	NA	02/08/23 01:35
ISCT3	SLB0072-RES3	23020722	NA	02/08/23 02:29
Blank	BKL0420-BLK1	23020723	Solid	02/08/23 03:21
LCS	BKL0420-BS1	23020724	Solid	02/08/23 04:10
Reference	BKL0420-SRM1	23020725	Solid	02/08/23 04:59
LDW22-IT808A	BKL0420-DUP1	23020726	Solid	02/08/23 05:49
LDW22-IT808A	22L0307-29	23020727	Solid	02/08/23 06:38
LDW22-IT808B	22L0307-30	23020728	Solid	02/08/23 07:28
LDW22-IT808C	22L0307-31	23020729	Solid	02/08/23 08:17
LDW22-IT808D	22L0307-32	23020730	Solid	02/08/23 09:07
LDW22-IT808E	22L0307-33	23020731	Solid	02/08/23 09:56
LDW22-IT808F	22L0307-34	23020732	Solid	02/08/23 10:46
CS3T4	SLB0072-CCV3	23020733	NA	02/08/23 11:35

ANALYSIS BATCH (SEQUENCE) SUMMARY

EPA 1613B

Laboratory:	Analytical Resources, LLC	SDG:	22L0307
Client:	Anchor QEA, LLC	Project:	AOC4 UR Phase 3
Sequence:	SLB0130	Instrument:	AUTOSPEC01
		Calibration:	GB00010

Sample Name	Lab Sample ID	Lab File ID	Matrix	Analysis Date/Time
CS3U1	SLB0130-ICV1	23020902	NA	02/09/23 14:51
ISCU1	SLB0130-RES1	23020903	NA	02/09/23 15:43
CS3U2	SLB0130-CCV1	23020913	NA	02/09/23 23:56
ISCU2	SLB0130-RES2	23020914	NA	02/10/23 00:50
CS3U3	SLB0130-CCV2	23020927	NA	02/10/23 14:10
ISCU3	SLB0130-RES3	23020928	NA	02/10/23 15:06

Analytical Resources, LLC
Analytical Chemists and Consultants

Printed: 2/10/2023 4:22:49PM

ANALYSIS SEQUENCE

SLB0130

Instrument:	AUTOSPEC01	HRGCMS Column ID:	K11292
Calibration ID:	GB00010	Tune File:	FEB0923_1-5
EM Voltage:	350	Resolution check times :	14:51, 00:50, 15:02

Lab Number	Sample Name	Analysis	Container	Order	STD ID	ISTD ID	Analyzed	File ID	Analyst	Comments
SLB0130-ICV1	CS3U1	QC		1	K009821		02/09/2023 14:51	23020902	PK	
SLB0130-RES1	ISCU1	QC		2	K003933		02/09/2023 15:43	23020903	PK	
BKL0420-DUP2	Duplicate	QC		3		K011414	02/09/2023 16:31	23020904	PK	
22L0312-01	RM10W-ST01-221208	8290 Dioxin	A 01	4		K011414	02/10/2023 10:50	23020923	PK	
22L0312-02	RM10W-ST03-221208	8290 Dioxin	A 01	5		K011414	02/09/2023 18:10	23020906	PK	
22L0312-03	RM10W-ST04-221207	8290 Dioxin	A 01	6		K011414	02/09/2023 18:59	23020907	PK	
22L0312-04	RM10W-ST05-221207	8290 Dioxin	A 01	7		K011414	02/09/2023 19:49	23020908	PK	
22L0312-05	RM10W-ST06-221207	8290 Dioxin	A 01	8		K011414	02/09/2023 20:38	23020909	PK	
22L0312-06	RM10W-ST07-221207	8290 Dioxin	A 01	9		K011414	02/09/2023 21:28	23020910	PK	
22L0312-07	RM10W-ST08-221207	8290 Dioxin	A 01	10		K011414	02/09/2023 22:17	23020911	PK	
22L0312-08	RM10W-FD18	8290 Dioxin	A 01	11		K011414	02/09/2023 23:07	23020912	PK	
SLB0130-CCV1	CS3U2	QC		12	K009821		02/09/2023 23:56	23020913	PK	
SLB0130-RES2	ISCU2	QC		13	K003933		02/10/2023 00:50	23020914	PK	
BKL0421-BLK1	Blank	QC		14		K011414	02/10/2023 01:42	23020915	PK	
BKL0421-BS1	LCS	QC		15		K011414	02/10/2023 02:31	23020916	PK	
BKL0421-BSD1	LCS Dup	QC		16		K011414	02/10/2023 03:21	23020917	PK	
22L0322-02	305006-02	1613B Dioxin	C 01	17		K011414	02/10/2023 04:10	23020918	PK	
BLA0188-BLK1	Blank	QC		18		K011414	02/10/2023 05:00	23020919	PK	
BLA0188-BS1	LCS	QC		19		K011414	02/10/2023 05:49	23020920	PK	
BLA0188-BSD1	LCS Dup	QC		20		K011414	02/10/2023 06:39	23020921	PK	
22L0422-02	SS-04-43-20221213	1613B Dioxin	A 01	21		K011414	02/10/2023 10:00	23020922	PK	
22L0422-03	SS-04-55-20221213	1613B Dioxin	A 01	22		K011414	02/10/2023 11:39	23020924	PK	

Printed: 2/10/2023 4:22:49PM

ANALYSIS SEQUENCE

SLB0130

Instrument:	AUTOSPEC01	HRGCMS Column ID:	K11292
Calibration ID:	GB00010	Tune File:	FEB0923_1-5
EM Voltage:	350	Resolution check times :	14:51, 00:50, 15:02

Lab Number	Sample Name	Analysis	Container	Order	STD ID	ISTD ID	Analyzed	File ID	Analyst	Comments
22L0422-05	SS-05-44-20221213	1613B Dioxin	A 01	23		K011414	02/10/2023 12:28	23020925	PK	
22L0422-06	SS-05-56-20221214	1613B Dioxin	A 01	24		K011414	02/10/2023 13:18	23020926	PK	
SLB0130-CCV2	CS3U3	QC		25	K009821		02/10/2023 14:10	23020927	PK	
SLB0130-RES3	ISCU3	QC		26	K003933		02/10/2023 15:06	23020928	PK	

Dataset: T:\Autospec\Processed Data Batch\230209D1.qld
Last Altered: Friday, February 10, 2023 10:43:17 Pacific Standard Time
Printed: Friday, February 10, 2023 11:00:46 Pacific Standard Time

2/10/23 PK

Event	Details	Sample ID
Process Extract		
Process Integrate		
Process Quantify		
Dataset Created		
Peak deleted	Sample:23020914, Compound:13C-1234-TCDD, RT:25.576	13
Peak deleted	Sample:23020914, Compound:13C-123789-HxCDD, RT:36.638	13
Peak deleted	Sample:23020903, Compound:13C-123789-HxCDD, RT:36.627	2
Pre modification peak	Sample:23020904, Compound:PF, RT:30.065	3
Peak modified	Sample:23020904, Compound:PF, RT:30.065	3
Pre modification peak	Sample:23020904, Compound:HF, RT:36.025	3
Peak modified	Sample:23020904, Compound:HF, RT:36.025	3
Pre modification peak	Sample:23020904, Compound:HF, RT:37.016	3
Peak modified	Sample:23020904, Compound:HF, RT:37.016	3
Peak deleted	Sample:23020904, Compound:TD, RT:26.537	3
Pre modification peak	Sample:23020906, Compound:PF, RT:30.076	5
Peak modified	Sample:23020906, Compound:PF, RT:30.076	5
Pre modification peak	Sample:23020907, Compound:HF, RT:36.003	6
Peak modified	Sample:23020907, Compound:HF, RT:36.003	6
Peak added	Sample:23020907, Compound:HF, RT:36.036	6
Peak added	Sample:23020907, Compound:HF, RT:36.003	6
Peak added	Sample:23020907, Compound:HF, RT:36.036	6
Peak added	Sample:23020907, Compound:HF, RT:36.058	6
Pre modification peak	Sample:23020908, Compound:HF, RT:36.048	7
Peak modified	Sample:23020908, Compound:HF, RT:36.048	7
Pre modification peak	Sample:23020909, Compound:HF, RT:36.047	8
Peak modified	Sample:23020909, Compound:HF, RT:36.047	8
Pre modification peak	Sample:23020909, Compound:HF, RT:37.083	8
Peak modified	Sample:23020909, Compound:HF, RT:37.083	8
Peak deleted	Sample:23020910, Compound:TD, RT:26.551	9
Pre modification peak	Sample:23020911, Compound:HF, RT:36.003	10
Peak modified	Sample:23020911, Compound:HF, RT:36.003	10
Pre modification peak	Sample:23020912, Compound:PF, RT:30.076	11
Peak modified	Sample:23020912, Compound:PF, RT:30.076	11
Pre modification peak	Sample:23020912, Compound:HF, RT:37.039	11
Peak modified	Sample:23020912, Compound:HF, RT:37.039	11
Dataset Saved	Saved to 'T:\Autospec\Processed Data Batch\230209D1.qld'	
Peak deleted	Sample:23020904, Compound:TF, RT:25.407	3
Peak deleted	Sample:23020904, Compound:HPF, RT:41.618	3
Peak deleted	Sample:23020904, Compound:HD, RT:37.050	3
Pre modification peak	Sample:23020906, Compound:PF, RT:28.984	5
Peak modified	Sample:23020906, Compound:PF, RT:28.984	5
Pre modification peak	Sample:23020906, Compound:PF, RT:28.995	5
Peak modified	Sample:23020906, Compound:PF, RT:28.995	5
Peak deleted	Sample:23020906, Compound:HD, RT:37.050	5
Peak deleted	Sample:23020906, Compound:HPD, RT:39.702	5
Peak added	Sample:23020907, Compound:TF, RT:23.232	6
Peak added	Sample:23020907, Compound:TF, RT:23.246	6
Peak deleted	Sample:23020907, Compound:HD, RT:37.072	6
Peak deleted	Sample:23020908, Compound:HD, RT:37.083	7
Peak deleted	Sample:23020908, Compound:HPD, RT:40.704	7
Peak deleted	Sample:23020909, Compound:TF, RT:22.992	8
Pre modification peak	Sample:23020909, Compound:PF, RT:29.017	8
Peak modified	Sample:23020909, Compound:PF, RT:29.017	8
Pre modification peak	Sample:23020909, Compound:PF, RT:29.017	8
Peak modified	Sample:23020909, Compound:PF, RT:29.017	8

Event	Details	Sample ID
Pre modification peak	Sample:23020909, Compound:PF, RT:29.017	8
Peak modified	Sample:23020909, Compound:PF, RT:29.017	8
Peak added	Sample:23020909, Compound:PF, RT:29.017	8
Peak added	Sample:23020909, Compound:PF, RT:29.017	8
Peak deleted	Sample:23020909, Compound:HF, RT:34.899	8
Peak deleted	Sample:23020909, Compound:HD, RT:37.083	8
Peak deleted	Sample:23020910, Compound:TF, RT:24.418	9
Peak deleted	Sample:23020910, Compound:TF, RT:26.636	9
Peak deleted	Sample:23020910, Compound:TF, RT:26.283	9
Peak deleted	Sample:23020910, Compound:TD, RT:27.497	9
Peak deleted	Sample:23020910, Compound:TD, RT:27.385	9
Peak deleted	Sample:23020910, Compound:HD, RT:37.072	9
Peak added	Sample:23020911, Compound:PF, RT:29.006	10
Peak added	Sample:23020911, Compound:PF, RT:29.006	10
Peak added	Sample:23020911, Compound:PF, RT:29.006	10
Peak added	Sample:23020911, Compound:PF, RT:29.006	10
Peak deleted	Sample:23020911, Compound:PD, RT:32.404	10
Pre modification peak	Sample:23020912, Compound:13C-123478-HxCDF, RT:35.034	11
Peak modified	Sample:23020912, Compound:13C-123478-HxCDF, RT:35.034	11
Peak deleted	Sample:23020912, Compound:HD, RT:37.083	11
Dataset Saved	Saved to 'T:\Autospec\Processed Data Batch\230209D1.qld'	
Peak added	Sample:23020906, Compound:HF, RT:37.006	5
Peak added	Sample:23020906, Compound:HF, RT:37.017	5
Dataset Saved	Saved to 'T:\Autospec\Processed Data Batch\230209D1.qld'	

Quantify Audit Report MassLynx MassLynx V4.1 SCN909 Page 1 of 1

Dataset: T:\Autospec\Processed Data Batch\230209D2RE.qld

Last Altered: Friday, February 10, 2023 11:43:27 Pacific Standard Time

Printed: Friday, February 10, 2023 11:44:47 Pacific Standard Time

2/10/23 PK

Event	Details	Sample ID
Process Extract		
Process Integrate		
Process Quantify		
Dataset Created		
Peak deleted	Sample:23020923, Compound:TD, RT:26.551	1
Pre modification peak	Sample:23020923, Compound:PF, RT:29.017	1
Peak modified	Sample:23020923, Compound:PF, RT:29.017	1
Pre modification peak	Sample:23020923, Compound:PF, RT:29.017	1
Peak modified	Sample:23020923, Compound:PF, RT:29.017	1
Peak deleted	Sample:23020923, Compound:TD, RT:25.153	1
Peak added	Sample:23020923, Compound:PD, RT:30.276	1
Peak added	Sample:23020923, Compound:PD, RT:30.276	1
Peak deleted	Sample:23020923, Compound:HD, RT:37.072	1
Dataset Saved	Saved to 'T:\Autospec\Processed Data Batch\230209D2RE.qld'	

Quantify Audit Report MassLynx MassLynx V4.1 SCN909
Dataset: T:\Autospec\Processed Data Batch\230209D2.qld
Last Altered: Friday, February 10, 2023 11:33:53 Pacific Standard Time
Printed: Friday, February 10, 2023 11:34:19 Pacific Standard Time 2/10/23 PK

Event	Details	Sample ID
Process Extract		
Process Integrate		
Process Quantify		
Dataset Created		
Peak deleted	Sample:23020915, Compound:PF, RT:31.446	1
Peak deleted	Sample:23020915, Compound:HPF, RT:38.900	1
Peak deleted	Sample:23020915, Compound:HD, RT:36.136	1
Peak deleted	Sample:23020915, Compound:HD, RT:36.181	1
Peak deleted	Sample:23020915, Compound:HD, RT:36.225	1
Peak deleted	Sample:23020915, Compound:HD, RT:36.326	1
Peak deleted	Sample:23020915, Compound:HD, RT:36.649	1
Peak deleted	Sample:23020915, Compound:HPD, RT:40.426	1
Peak deleted	Sample:23020915, Compound:HPD, RT:40.403	1
Peak deleted	Sample:23020915, Compound:HPD, RT:40.504	1
Pre modification peak	Sample:23020915, Compound:OD, RT:45.235	1
Peak modified	Sample:23020915, Compound:OD, RT:45.235	1
Pre modification peak	Sample:23020915, Compound:OD, RT:45.235	1
Peak modified	Sample:23020915, Compound:OD, RT:45.235	1
Peak deleted	Sample:23020918, Compound:TF, RT:25.916	4
Peak deleted	Sample:23020919, Compound:HF, RT:36.058	5
Pre modification peak	Sample:23020919, Compound:OF, RT:45.454	5
Peak modified	Sample:23020919, Compound:OF, RT:45.454	5
Pre modification peak	Sample:23020919, Compound:OD, RT:45.216	5
Peak modified	Sample:23020919, Compound:OD, RT:45.216	5
Peak deleted	Sample:23020922, Compound:PF, RT:30.109	8
Peak deleted	Sample:23020922, Compound:HF, RT:36.059	8
Pre modification peak	Sample:23020922, Compound:OF, RT:45.473	8
Peak modified	Sample:23020922, Compound:OF, RT:45.473	8
Pre modification peak	Sample:23020922, Compound:OF, RT:45.491	8
Peak modified	Sample:23020922, Compound:OF, RT:45.491	8
Peak deleted	Sample:23020922, Compound:PD, RT:31.691	8
Dataset Saved	Saved to 'T:\Autospec\Processed Data Batch\230209D2.qld'	
Peak deleted	Sample:23020915, Compound:TD, RT:26.975	1
Peak deleted	Sample:23020915, Compound:HD, RT:35.914	1
Peak deleted	Sample:23020915, Compound:HPD, RT:40.682	1
Peak deleted	Sample:23020916, Compound:TF, RT:27.215	2
Peak deleted	Sample:23020916, Compound:TF, RT:27.060	2
Peak deleted	Sample:23020916, Compound:TF, RT:26.622	2
Peak deleted	Sample:23020916, Compound:PP, RT:28.049	2
Peak deleted	Sample:23020916, Compound:PP, RT:27.498	2
Peak deleted	Sample:23020916, Compound:TD, RT:25.661	2
Peak deleted	Sample:23020916, Compound:TD, RT:24.800	2
Peak deleted	Sample:23020916, Compound:TD, RT:27.201	2
Peak deleted	Sample:23020916, Compound:PD, RT:30.198	2
Peak deleted	Sample:23020917, Compound:PF, RT:28.995	3
Peak deleted	Sample:23020917, Compound:PD, RT:32.359	3
Peak deleted	Sample:23020917, Compound:HPD, RT:39.523	3
Peak deleted	Sample:23020918, Compound:TF, RT:25.746	4
Peak deleted	Sample:23020919, Compound:HF, RT:33.552	5
Peak deleted	Sample:23020919, Compound:HF, RT:33.217	5
Peak deleted	Sample:23020919, Compound:HD, RT:36.025	5
Peak deleted	Sample:23020919, Compound:HD, RT:35.479	5
Peak deleted	Sample:23020919, Compound:HD, RT:35.401	5
Peak deleted	Sample:23020919, Compound:HD, RT:35.368	5
Peak deleted	Sample:23020922, Compound:PF, RT:28[illegible]	8

Event	Details	Sample ID
Peak deleted	Sample:23020922, Compound:PF, RT:29.998	8
Peak deleted	Sample:23020922, Compound:PF, RT:28.806	8
Peak deleted	Sample:23020922, Compound:PF, RT:28.527	8
Peak deleted	Sample:23020922, Compound:PF, RT:29.006	8
Peak deleted	Sample:23020922, Compound:HF, RT:36.471	8
Peak deleted	Sample:23020922, Compound:TD, RT:24.757	8
Peak deleted	Sample:23020922, Compound:PD, RT:29.374	8
Peak deleted	Sample:23020922, Compound:PD, RT:29.006	8
Peak deleted	Sample:23020922, Compound:PD, RT:31.992	8
Peak deleted	Sample:23020922, Compound:PD, RT:31.424	8
Peak deleted	Sample:23020922, Compound:HPD, RT:39.167	8
Dataset Saved	Saved to 'T:\Autospec\Processed Data Batch\230209D2.qld'	

Quantify Audit Report MassLynx MassLynx V4.1 SCN909

Dataset: T:\Autospec\Processed Data Batch\230209D3.qld
Last Altered: Friday, February 10, 2023 14:16:55 Pacific Standard Time
Printed: Friday, February 10, 2023 14:17:17 Pacific Standard Time

2/10/23 PK

Event	Details	Sample ID
Process Extract		
Process Integrate		
Process Quantify		
Dataset Created		
Peak deleted	Sample:23020924, Compound:TF, RT:25.902	1
Peak deleted	Sample:23020924, Compound:PF, RT:30.087	1
Peak deleted	Sample:23020924, Compound:PD, RT:31.669	1
Pre modification peak	Sample:23020925, Compound:TF, RT:25.944	2
Peak modified	Sample:23020925, Compound:TF, RT:25.944	2
Pre modification peak	Sample:23020925, Compound:PD, RT:31.702	2
Peak modified	Sample:23020925, Compound:PD, RT:31.702	2
Pre modification peak	Sample:23020925, Compound:PD, RT:31.702	2
Peak modified	Sample:23020925, Compound:PD, RT:31.702	2
Pre modification peak	Sample:23020926, Compound:PF, RT:30.098	3
Peak modified	Sample:23020926, Compound:PF, RT:30.098	3
Pre modification peak	Sample:23020926, Compound:PF, RT:30.109	3
Peak modified	Sample:23020926, Compound:PF, RT:30.109	3
Pre modification peak	Sample:23020926, Compound:PF, RT:31.446	3
Peak modified	Sample:23020926, Compound:PF, RT:31.446	3
Dataset Saved	Saved to 'T:\Autospec\Processed Data Batch\230209D3.qld'	
Peak deleted	Sample:23020924, Compound:TF, RT:23.232	1
Peak deleted	Sample:23020924, Compound:TF, RT:23.628	1
Peak deleted	Sample:23020925, Compound:PD, RT:32.415	2
Peak added	Sample:23020925, Compound:HD, RT:36.292	2
Peak added	Sample:23020925, Compound:HD, RT:36.292	2
Peak deleted	Sample:23020926, Compound:PF, RT:29.095	3
Peak deleted	Sample:23020926, Compound:PF, RT:29.831	3
Peak deleted	Sample:23020926, Compound:HD, RT:34.922	3
Dataset Saved	Saved to 'T:\Autospec\Processed Data Batch\230209D3.qld'	

SURROGATE RECOVERY AND RT SUMMARY
EPA 1613B

Laboratory:	Analytical Resources, LLC	SDG:	22L0307
Client:	Anchor QEA, LLC	Project:	AOC4 UR Phase 3
Sequence:	SLB0026	Instrument:	AUTOSPEC01
Sample ID:	SLB0026-ICV1	Calibration:	GB00010
File ID:	23020102	Analyzed:	02/01/23 10:37

Surrogate Compound	Spike Level ng/mL	% Recovery	Recovery Limits	RT	Calibration Mean RT	RT Diff	RT Diff Limit	Q
13C12-2,3,7,8-TCDF	100.00	81.8	71 - 129	25.8667	25.87167	-0.0050	N/A	
13C12-2,3,7,8-TCDD	100.00	103	82 - 118	26.5168	26.51423	0.0026	N/A	
13C12-1,2,3,7,8-PeCDF	100.00	97.0	76 - 124	30.0278	30.03173	-0.0039	N/A	
13C12-2,3,4,7,8-PeCDF	100.00	96.3	77 - 123	31.3648	31.36872	-0.0039	N/A	
13C12-1,2,3,7,8-PeCDD	100.00	97.3	62 - 138	31.621	31.62498	-0.0040	N/A	
13C12-1,2,3,4,7,8-HxCDF	100.00	88.7	76 - 124	34.9858	34.9784	0.0074	N/A	
13C12-1,2,3,6,7,8-HxCDF	100.00	89.6	70 - 130	35.1195	35.11773	0.0018	N/A	
13C12-2,3,4,6,7,8-HxCDF	100.00	88.7	73 - 127	35.9773	35.97562	0.0017	N/A	
13C12-1,2,3,7,8,9-HxCDF	100.00	87.8	74 - 126	37.0023	37.00233	0.0000	N/A	
13C12-1,2,3,4,7,8-HxCDD	100.00	99.3	85 - 115	36.0998	36.09812	0.0017	N/A	
13C12-1,2,3,6,7,8-HxCDD	100.00	102	85 - 115	36.2113	36.21508	-0.0038	N/A	
13C12-1,2,3,4,6,7,8-HpCDF	100.00	80.6	78 - 122	38.8407	38.84072	0.0000	N/A	
13C12-1,2,3,4,7,8,9-HpCDF	100.00	78.2	77 - 123	41.0912	41.09488	-0.0037	N/A	
13C12-1,2,3,4,6,7,8-HpCDD	100.00	84.9	72 - 128	40.3447	40.3447	0.0000	N/A	
13C12-OCDD	200.00	87.8	48 - 152	45.1112	45.10738	0.0038	N/A	
37Cl4-2,3,7,8-TCDD	10.000	85.8	0 - 200	26.5318	26.53683	-0.0050	N/A	

* Values outside of QC limits

SURROGATE RECOVERY AND RT SUMMARY

EPA 1613B

Laboratory:	Analytical Resources, LLC	SDG:	22L0307
Client:	Anchor QEA, LLC	Project:	AOC4 UR Phase 3
Sequence:	SLB0026	Instrument:	AUTOSPEC01
Sample ID:	SLB0026-SCV1	Calibration:	GB00010
File ID:	23020110	Analyzed:	02/01/23 20:23

Surrogate Compound	Spike Level ng/mL	% Recovery	Recovery Limits	RT	Calibration Mean RT	RT Diff	RT Diff Limit	Q
13C12-2,3,7,8-TCDF	100.00	101	0 - 200	25.8667	25.87167	-0.0050	N/A	
13C12-2,3,7,8-TCDD	100.00	97.3	0 - 200	26.5015	26.51423	-0.0127	N/A	
13C12-1,2,3,7,8-PeCDF	100.00	97.9	0 - 200	30.0262	30.03173	-0.0055	N/A	
13C12-2,3,4,7,8-PeCDF	100.00	96.0	0 - 200	31.3632	31.36872	-0.0055	N/A	
13C12-1,2,3,7,8-PeCDD	100.00	95.6	0 - 200	31.6193	31.62498	-0.0057	N/A	
13C12-1,2,3,4,7,8-HxCDF	100.00	99.0	0 - 200	34.9728	34.9784	-0.0056	N/A	
13C12-1,2,3,6,7,8-HxCDF	100.00	98.8	0 - 200	35.1065	35.11773	-0.0112	N/A	
13C12-2,3,4,6,7,8-HxCDF	100.00	99.3	0 - 200	35.9643	35.97562	-0.0113	N/A	
13C12-1,2,3,7,8,9-HxCDF	100.00	98.6	0 - 200	36.9893	37.00233	-0.0130	N/A	
13C12-1,2,3,4,7,8-HxCDD	100.00	97.7	0 - 200	36.0868	36.09812	-0.0113	N/A	
13C12-1,2,3,6,7,8-HxCDD	100.00	101	0 - 200	36.2095	36.21508	-0.0056	N/A	
13C12-1,2,3,4,6,7,8-HpCDF	100.00	100	0 - 200	38.8278	38.84072	-0.0129	N/A	
13C12-1,2,3,4,7,8,9-HpCDF	100.00	101	0 - 200	41.0895	41.09488	-0.0054	N/A	
13C12-1,2,3,4,6,7,8-HpCDD	100.00	101	0 - 200	40.3318	40.3447	-0.0129	N/A	
13C12-OCDD	200.00	103	0 - 200	45.1013	45.10738	-0.0061	N/A	
37Cl4-2,3,7,8-TCDD	10.000	89.4	0 - 200	26.5318	26.53683	-0.0050	N/A	

* Values outside of QC limits

SURROGATE RECOVERY AND RT SUMMARY

EPA 1613B

Laboratory:	Analytical Resources, LLC	SDG:	22L0307
Client:	Anchor QEA, LLC	Project:	AOC4 UR Phase 3
Sequence:	SLB0026	Instrument:	AUTOSPEC01
Sample ID:	SLB0026-CCV1	Calibration:	GB00010
File ID:	23020111	Analyzed:	02/01/23 21:12

Surrogate Compound	Spike Level ng/mL	% Recovery	Recovery Limits	RT	Calibration Mean RT	RT Diff	RT Diff Limit	Q
13C12-2,3,7,8-TCDF	100.00	95.3	71 - 129	25.8665	25.87167	-0.0052	N/A	
13C12-2,3,7,8-TCDD	100.00	103	82 - 118	26.5167	26.51423	0.0025	N/A	
13C12-1,2,3,7,8-PeCDF	100.00	97.8	76 - 124	30.026	30.03173	-0.0057	N/A	
13C12-2,3,4,7,8-PeCDF	100.00	97.6	77 - 123	31.363	31.36872	-0.0057	N/A	
13C12-1,2,3,7,8-PeCDD	100.00	95.1	62 - 138	31.6193	31.62498	-0.0057	N/A	
13C12-1,2,3,4,7,8-HxCDF	100.00	102	76 - 124	34.9727	34.9784	-0.0057	N/A	
13C12-1,2,3,6,7,8-HxCDF	100.00	102	70 - 130	35.1175	35.11773	-0.0002	N/A	
13C12-2,3,4,6,7,8-HxCDF	100.00	99.6	73 - 127	35.9753	35.97562	-0.0003	N/A	
13C12-1,2,3,7,8,9-HxCDF	100.00	101	74 - 126	37.0005	37.00233	-0.0018	N/A	
13C12-1,2,3,4,7,8-HxCDD	100.00	100	85 - 115	36.098	36.09812	-0.0001	N/A	
13C12-1,2,3,6,7,8-HxCDD	100.00	100	85 - 115	36.2093	36.21508	-0.0058	N/A	
13C12-1,2,3,4,6,7,8-HpCDF	100.00	102	78 - 122	38.8387	38.84072	-0.0020	N/A	
13C12-1,2,3,4,7,8,9-HpCDF	100.00	104	77 - 123	41.0893	41.09488	-0.0056	N/A	
13C12-1,2,3,4,6,7,8-HpCDD	100.00	103	72 - 128	40.3428	40.3447	-0.0019	N/A	
13C12-OCDD	200.00	106	48 - 152	45.1013	45.10738	-0.0061	N/A	
37Cl4-2,3,7,8-TCDD	10.000	90.4	0 - 200	26.5317	26.53683	-0.0051	N/A	

* Values outside of QC limits

SURROGATE RECOVERY AND RT SUMMARY
EPA 1613B

Laboratory:	Analytical Resources, LLC	SDG:	22L0307
Client:	Anchor QEA, LLC	Project:	AOC4 UR Phase 3
Sequence:	SLB0072	Instrument:	AUTOSPEC01
Sample ID:	SLB0072-ICV1	Calibration:	GB00010
File ID:	23020702	Analyzed:	02/07/23 09:25

Surrogate Compound	Spike Level ng/mL	% Recovery	Recovery Limits	RT	Calibration Mean RT	RT Diff	RT Diff Limit	Q
13C12-2,3,7,8-TCDF	100.00	88.9	71 - 129	25.8665	25.87167	-0.0052	N/A	
13C12-2,3,7,8-TCDD	100.00	104	82 - 118	26.5015	26.51423	-0.0127	N/A	
13C12-1,2,3,7,8-PeCDF	100.00	98.1	76 - 124	30.026	30.03173	-0.0057	N/A	
13C12-2,3,4,7,8-PeCDF	100.00	97.9	77 - 123	31.363	31.36872	-0.0057	N/A	
13C12-1,2,3,7,8-PeCDD	100.00	99.5	62 - 138	31.6193	31.62498	-0.0057	N/A	
13C12-1,2,3,4,7,8-HxCDF	100.00	91.1	76 - 124	34.9728	34.9784	-0.0056	N/A	
13C12-1,2,3,6,7,8-HxCDF	100.00	93.8	70 - 130	35.1177	35.11773	0.0000	N/A	
13C12-2,3,4,6,7,8-HxCDF	100.00	93.2	73 - 127	35.9757	35.97562	0.0001	N/A	
13C12-1,2,3,7,8,9-HxCDF	100.00	91.3	74 - 126	37.0005	37.00233	-0.0018	N/A	
13C12-1,2,3,4,7,8-HxCDD	100.00	101	85 - 115	36.087	36.09812	-0.0111	N/A	
13C12-1,2,3,6,7,8-HxCDD	100.00	99.9	85 - 115	36.1983	36.21508	-0.0168	N/A	
13C12-1,2,3,4,6,7,8-HpCDF	100.00	83.2	78 - 122	38.8388	38.84072	-0.0019	N/A	
13C12-1,2,3,4,7,8,9-HpCDF	100.00	84.7	77 - 123	41.0893	41.09488	-0.0056	N/A	
13C12-1,2,3,4,6,7,8-HpCDD	100.00	87.4	72 - 128	40.343	40.3447	-0.0017	N/A	
13C12-OCDD	200.00	81.7	48 - 152	45.1015	45.10738	-0.0059	N/A	
37Cl4-2,3,7,8-TCDD	10.000	88.7	0 - 200	26.5318	26.53683	-0.0050	N/A	

* Values outside of QC limits

Analytical Resources, LLC
Analytical Chemists and Consultants

SURROGATE RECOVERY AND RT SUMMARY

EPA 1613B

Laboratory:	Analytical Resources, LLC	SDG:	22L0307
Client:	Anchor QEA, LLC	Project:	AOC4 UR Phase 3
Sequence:	SLB0072	Instrument:	AUTOSPEC01
Sample ID:	SLB0072-CCV1	Calibration:	GB00010
File ID:	23020712	Analyzed:	02/07/23 18:03

Surrogate Compound	Spike Level ng/mL	% Recovery	Recovery Limits	RT	Calibration Mean RT	RT Diff	RT Diff Limit	Q
13C12-2,3,7,8-TCDF	100.00	90.4	71 - 129	25.8667	25.87167	-0.0050	N/A	
13C12-2,3,7,8-TCDD	100.00	104	82 - 118	26.5017	26.51423	-0.0125	N/A	
13C12-1,2,3,7,8-PeCDF	100.00	96.8	76 - 124	30.015	30.03173	-0.0167	N/A	
13C12-2,3,4,7,8-PeCDF	100.00	98.7	77 - 123	31.352	31.36872	-0.0167	N/A	
13C12-1,2,3,7,8-PeCDD	100.00	104	62 - 138	31.6083	31.62498	-0.0167	N/A	
13C12-1,2,3,4,7,8-HxCDF	100.00	98.0	76 - 124	34.9728	34.9784	-0.0056	N/A	
13C12-1,2,3,6,7,8-HxCDF	100.00	98.4	70 - 130	35.1177	35.11773	0.0000	N/A	
13C12-2,3,4,6,7,8-HxCDF	100.00	97.4	73 - 127	35.9757	35.97562	0.0001	N/A	
13C12-1,2,3,7,8,9-HxCDF	100.00	99.4	74 - 126	37.0007	37.00233	-0.0016	N/A	
13C12-1,2,3,4,7,8-HxCDD	100.00	109	85 - 115	36.087	36.09812	-0.0111	N/A	
13C12-1,2,3,6,7,8-HxCDD	100.00	107	85 - 115	36.1985	36.21508	-0.0166	N/A	
13C12-1,2,3,4,6,7,8-HpCDF	100.00	90.9	78 - 122	38.839	38.84072	-0.0017	N/A	
13C12-1,2,3,4,7,8,9-HpCDF	100.00	93.7	77 - 123	41.0895	41.09488	-0.0054	N/A	
13C12-1,2,3,4,6,7,8-HpCDD	100.00	100	72 - 128	40.343	40.3447	-0.0017	N/A	
13C12-OCDD	200.00	90.4	48 - 152	45.1017	45.10738	-0.0057	N/A	
37Cl4-2,3,7,8-TCDD	10.000	91.0	0 - 200	26.5168	26.53683	-0.0200	N/A	

* Values outside of QC limits

SURROGATE RECOVERY AND RT SUMMARY

EPA 1613B

Laboratory:	Analytical Resources, LLC	SDG:	22L0307
Client:	Anchor QEA, LLC	Project:	AOC4 UR Phase 3
Sequence:	SLB0072	Instrument:	AUTOSPEC01
Sample ID:	SLB0072-CCV2	Calibration:	GB00010
File ID:	23020721	Analyzed:	02/08/23 01:35

Surrogate Compound	Spike Level ng/mL	% Recovery	Recovery Limits	RT	Calibration Mean RT	RT Diff	RT Diff Limit	Q
13C12-2,3,7,8-TCDF	100.00	90.4	71 - 129	25.8513	25.87167	-0.0204	N/A	
13C12-2,3,7,8-TCDD	100.00	104	82 - 118	26.4863	26.51423	-0.0279	N/A	
13C12-1,2,3,7,8-PeCDF	100.00	96.0	76 - 124	30.015	30.03173	-0.0167	N/A	
13C12-2,3,4,7,8-PeCDF	100.00	94.8	77 - 123	31.3407	31.36872	-0.0280	N/A	
13C12-1,2,3,7,8-PeCDD	100.00	103	62 - 138	31.5968	31.62498	-0.0282	N/A	
13C12-1,2,3,4,7,8-HxCDF	100.00	82.8	76 - 124	34.9617	34.9784	-0.0167	N/A	
13C12-1,2,3,6,7,8-HxCDF	100.00	81.2	70 - 130	35.1065	35.11773	-0.0112	N/A	
13C12-2,3,4,6,7,8-HxCDF	100.00	84.2	73 - 127	35.9643	35.97562	-0.0113	N/A	
13C12-1,2,3,7,8,9-HxCDF	100.00	82.9	74 - 126	36.9893	37.00233	-0.0130	N/A	
13C12-1,2,3,4,7,8-HxCDD	100.00	92.3	85 - 115	36.0758	36.09812	-0.0223	N/A	
13C12-1,2,3,6,7,8-HxCDD	100.00	90.7	85 - 115	36.1872	36.21508	-0.0279	N/A	
13C12-1,2,3,4,6,7,8-HpCDF	100.00	75.3	78 - 122	38.8388	38.84072	-0.0019	N/A	*
13C12-1,2,3,4,7,8,9-HpCDF	100.00	77.6	77 - 123	41.0783	41.09488	-0.0166	N/A	
13C12-1,2,3,4,6,7,8-HpCDD	100.00	84.6	72 - 128	40.3318	40.3447	-0.0129	N/A	
13C12-OCDD	200.00	79.6	48 - 152	45.1108	45.10738	0.0034	N/A	
37Cl4-2,3,7,8-TCDD	10.000	91.0	0 - 200	26.5015	26.53683	-0.0353	N/A	

* Values outside of QC limits

SURROGATE RECOVERY AND RT SUMMARY

EPA 1613B

Laboratory:	Analytical Resources, LLC	SDG:	22L0307
Client:	Anchor QEA, LLC	Project:	AOC4 UR Phase 3
Sequence:	SLB0072	Instrument:	AUTOSPEC01
Sample ID:	BKL0420-BLK1	Calibration:	GB00010
File ID:	23020723	Analyzed:	02/08/23 03:21

Surrogate Compound	Spike Level ng/kg wet	% Recovery	Recovery Limits	RT	Calibration Mean RT	RT Diff	RT Diff Limit	Q
13C12-2,3,7,8-TCDF	199.60	97.6	24 - 169	25.8667	25.87167	-0.0050	N/A	
13C12-2,3,7,8-TCDD	199.60	113	25 - 164	26.5018	26.51423	-0.0124	N/A	
13C12-1,2,3,7,8-PeCDF	199.60	101	24 - 185	30.0265	30.03173	-0.0052	N/A	
13C12-2,3,4,7,8-PeCDF	199.60	97.3	21 - 178	31.3635	31.36872	-0.0052	N/A	
13C12-1,2,3,7,8-PeCDD	199.60	108	25 - 181	31.6085	31.62498	-0.0165	N/A	
13C12-1,2,3,4,7,8-HxCDF	199.60	104	26 - 152	34.9732	34.9784	-0.0052	N/A	
13C12-1,2,3,6,7,8-HxCDF	199.60	106	26 - 123	35.118	35.11773	0.0003	N/A	
13C12-2,3,4,6,7,8-HxCDF	199.60	101	28 - 136	35.9758	35.97562	0.0002	N/A	
13C12-1,2,3,7,8,9-HxCDF	199.60	96.4	29 - 147	37.0007	37.00233	-0.0016	N/A	
13C12-1,2,3,4,7,8-HxCDD	199.60	113	32 - 141	36.0872	36.09812	-0.0109	N/A	
13C12-1,2,3,6,7,8-HxCDD	199.60	115	28 - 130	36.1987	36.21508	-0.0164	N/A	
13C12-1,2,3,4,6,7,8-HpCDF	199.60	89.3	28 - 143	38.8502	38.84072	0.0095	N/A	
13C12-1,2,3,4,7,8,9-HpCDF	199.60	90.3	26 - 138	41.0893	41.09488	-0.0056	N/A	
13C12-1,2,3,4,6,7,8-HpCDD	199.60	98.9	23 - 140	40.343	40.3447	-0.0017	N/A	
13C12-OCDD	399.20	87.3	17 - 157	45.1198	45.10738	0.0124	N/A	
37Cl4-2,3,7,8-TCDD	79.840	98.4	35 - 197	26.5168	26.53683	-0.0200	N/A	

* Values outside of QC limits

SURROGATE RECOVERY AND RT SUMMARY
EPA 1613B

Laboratory:	Analytical Resources, LLC	SDG:	22L0307
Client:	Anchor QEA, LLC	Project:	AOC4 UR Phase 3
Sequence:	SLB0072	Instrument:	AUTOSPEC01
Sample ID:	BKL0420-BS1	Calibration:	GB00010
File ID:	23020724	Analyzed:	02/08/23 04:10

Surrogate Compound	Spike Level ng/kg wet	% Recovery	Recovery Limits	RT	Calibration Mean RT	RT Diff	RT Diff Limit	Q
13C12-2,3,7,8-TCDF	199.80	80.2	24 - 169	25.8365	25.87167	-0.0352	N/A	
13C12-2,3,7,8-TCDD	199.80	95.2	25 - 164	26.4715	26.51423	-0.0427	N/A	
13C12-1,2,3,7,8-PeCDF	199.80	85.2	24 - 185	30.004	30.03173	-0.0277	N/A	
13C12-2,3,4,7,8-PeCDF	199.80	83.0	21 - 178	31.341	31.36872	-0.0277	N/A	
13C12-1,2,3,7,8-PeCDD	199.80	90.4	25 - 181	31.5862	31.62498	-0.0388	N/A	
13C12-1,2,3,4,7,8-HxCDF	199.80	92.9	26 - 152	34.9618	34.9784	-0.0166	N/A	
13C12-1,2,3,6,7,8-HxCDF	199.80	94.0	26 - 123	35.0957	35.11773	-0.0220	N/A	
13C12-2,3,4,6,7,8-HxCDF	199.80	89.2	28 - 136	35.9535	35.97562	-0.0221	N/A	
13C12-1,2,3,7,8,9-HxCDF	199.80	83.4	29 - 147	36.9897	37.00233	-0.0126	N/A	
13C12-1,2,3,4,7,8-HxCDD	199.80	101	32 - 141	36.076	36.09812	-0.0221	N/A	
13C12-1,2,3,6,7,8-HxCDD	199.80	98.9	28 - 130	36.1875	36.21508	-0.0276	N/A	
13C12-1,2,3,4,6,7,8-HpCDF	199.80	77.8	28 - 143	38.828	38.84072	-0.0127	N/A	
13C12-1,2,3,4,7,8,9-HpCDF	199.80	76.1	26 - 138	41.0785	41.09488	-0.0164	N/A	
13C12-1,2,3,4,6,7,8-HpCDD	199.80	83.7	23 - 140	40.3322	40.3447	-0.0125	N/A	
13C12-OCDD	399.60	70.9	17 - 157	45.102	45.10738	-0.0054	N/A	
37Cl4-2,3,7,8-TCDD	79.920	79.9	35 - 197	26.5017	26.53683	-0.0351	N/A	

* Values outside of QC limits

SURROGATE RECOVERY AND RT SUMMARY

EPA 1613B

Laboratory:	Analytical Resources, LLC	SDG:	22L0307
Client:	Anchor QEA, LLC	Project:	AOC4 UR Phase 3
Sequence:	SLB0072	Instrument:	AUTOSPEC01
Sample ID:	BKL0420-SRM1	Calibration:	GB00010
File ID:	23020725	Analyzed:	02/08/23 04:59

Surrogate Compound	Spike Level ng/kg wet	% Recovery	Recovery Limits	RT	Calibration Mean RT	RT Diff	RT Diff Limit	Q
13C12-2,3,7,8-TCDF	200.00	78.0	24 - 169	25.8665	25.87167	-0.0052	N/A	
13C12-2,3,7,8-TCDD	200.00	92.3	25 - 164	26.5015	26.51423	-0.0127	N/A	
13C12-1,2,3,7,8-PeCDF	200.00	77.7	24 - 185	30.0262	30.03173	-0.0055	N/A	
13C12-2,3,4,7,8-PeCDF	200.00	77.7	21 - 178	31.352	31.36872	-0.0167	N/A	
13C12-1,2,3,7,8-PeCDD	200.00	85.1	25 - 181	31.6083	31.62498	-0.0167	N/A	
13C12-1,2,3,4,7,8-HxCDF	200.00	83.7	26 - 152	34.9842	34.9784	0.0058	N/A	
13C12-1,2,3,6,7,8-HxCDF	200.00	87.2	26 - 123	35.1178	35.11773	0.0001	N/A	
13C12-2,3,4,6,7,8-HxCDF	200.00	84.4	28 - 136	35.987	35.97562	0.0114	N/A	
13C12-1,2,3,7,8,9-HxCDF	200.00	87.8	29 - 147	37.0008	37.00233	-0.0015	N/A	
13C12-1,2,3,4,7,8-HxCDD	200.00	92.7	32 - 141	36.0983	36.09812	0.0002	N/A	
13C12-1,2,3,6,7,8-HxCDD	200.00	92.3	28 - 130	36.2097	36.21508	-0.0054	N/A	
13C12-1,2,3,4,6,7,8-HpCDF	200.00	68.3	28 - 143	38.8503	38.84072	0.0096	N/A	
13C12-1,2,3,4,7,8,9-HpCDF	200.00	67.9	26 - 138	41.0898	41.09488	-0.0051	N/A	
13C12-1,2,3,4,6,7,8-HpCDD	200.00	74.8	23 - 140	40.3433	40.3447	-0.0014	N/A	
13C12-OCDD	400.00	60.2	17 - 157	45.1203	45.10738	0.0129	N/A	
37Cl4-2,3,7,8-TCDD	80.000	85.2	35 - 197	26.5167	26.53683	-0.0201	N/A	

* Values outside of QC limits

SURROGATE RECOVERY AND RT SUMMARY

EPA 1613B

Laboratory:	Analytical Resources, LLC	SDG:	22L0307
Client:	Anchor QEA, LLC	Project:	AOC4 UR Phase 3
Sequence:	SLB0072	Instrument:	AUTOSPEC01
Sample ID:	BKL0420-DUP1	Calibration:	GB00010
File ID:	23020726	Analyzed:	02/08/23 05:49

Surrogate Compound	Spike Level ng/kg dry	% Recovery	Recovery Limits	RT	Calibration Mean RT	RT Diff	RT Diff Limit	Q
13C12-2,3,7,8-TCDF	199.92	92.9	24 - 169	25.8513	25.87167	-0.0204	N/A	
13C12-2,3,7,8-TCDD	199.92	112	25 - 164	26.4863	26.51423	-0.0279	N/A	
13C12-1,2,3,7,8-PeCDF	199.92	106	24 - 185	30.0148	30.03173	-0.0169	N/A	
13C12-2,3,4,7,8-PeCDF	199.92	103	21 - 178	31.3517	31.36872	-0.0170	N/A	
13C12-1,2,3,7,8-PeCDD	199.92	116	25 - 181	31.5968	31.62498	-0.0282	N/A	
13C12-1,2,3,4,7,8-HxCDF	199.92	110	26 - 152	34.9727	34.9784	-0.0057	N/A	
13C12-1,2,3,6,7,8-HxCDF	199.92	109	26 - 123	35.1063	35.11773	-0.0114	N/A	
13C12-2,3,4,6,7,8-HxCDF	199.92	111	28 - 136	35.9865	35.97562	0.0109	N/A	
13C12-1,2,3,7,8,9-HxCDF	199.92	112	29 - 147	36.9893	37.00233	-0.0130	N/A	
13C12-1,2,3,4,7,8-HxCDD	199.92	122	32 - 141	36.098	36.09812	-0.0001	N/A	
13C12-1,2,3,6,7,8-HxCDD	199.92	120	28 - 130	36.2093	36.21508	-0.0058	N/A	
13C12-1,2,3,4,6,7,8-HpCDF	199.92	88.6	28 - 143	38.8388	38.84072	-0.0019	N/A	
13C12-1,2,3,4,7,8,9-HpCDF	199.92	86.1	26 - 138	41.0893	41.09488	-0.0056	N/A	
13C12-1,2,3,4,6,7,8-HpCDD	199.92	95.7	23 - 140	40.3317	40.3447	-0.0130	N/A	
13C12-OCDD	399.85	79.3	17 - 157	45.1198	45.10738	0.0124	N/A	
37Cl4-2,3,7,8-TCDD	79.969	91.4	35 - 197	26.5015	26.53683	-0.0353	N/A	

* Values outside of QC limits

SURROGATE RECOVERY AND RT SUMMARY

EPA 1613B

Laboratory:	Analytical Resources, LLC	SDG:	22L0307
Client:	Anchor QEA, LLC	Project:	AOC4 UR Phase 3
Sequence:	SLB0072	Instrument:	AUTOSPEC01
Sample ID:	22L0307-29	Calibration:	GB00010
File ID:	23020727	Analyzed:	02/08/23 06:38

Surrogate Compound	Spike Level ng/kg dry	% Recovery	Recovery Limits	RT	Calibration Mean RT	RT Diff	RT Diff Limit	Q
13C12-2,3,7,8-TCDF	199.92	77.2	24 - 169	25.8513	25.87167	-0.0204	N/A	
13C12-2,3,7,8-TCDD	199.92	93.7	25 - 164	26.4863	26.51423	-0.0279	N/A	
13C12-1,2,3,7,8-PeCDF	199.92	80.5	24 - 185	30.015	30.03173	-0.0167	N/A	
13C12-2,3,4,7,8-PeCDF	199.92	79.2	21 - 178	31.352	31.36872	-0.0167	N/A	
13C12-1,2,3,7,8-PeCDD	199.92	87.3	25 - 181	31.5972	31.62498	-0.0278	N/A	
13C12-1,2,3,4,7,8-HxCDF	199.92	85.1	26 - 152	34.973	34.9784	-0.0054	N/A	
13C12-1,2,3,6,7,8-HxCDF	199.92	85.3	26 - 123	35.1068	35.11773	-0.0109	N/A	
13C12-2,3,4,6,7,8-HxCDF	199.92	84.3	28 - 136	35.9758	35.97562	0.0002	N/A	
13C12-1,2,3,7,8,9-HxCDF	199.92	84.2	29 - 147	36.9897	37.00233	-0.0126	N/A	
13C12-1,2,3,4,7,8-HxCDD	199.92	93.5	32 - 141	36.0872	36.09812	-0.0109	N/A	
13C12-1,2,3,6,7,8-HxCDD	199.92	90.6	28 - 130	36.1987	36.21508	-0.0164	N/A	
13C12-1,2,3,4,6,7,8-HpCDF	199.92	66.9	28 - 143	38.8392	38.84072	-0.0015	N/A	
13C12-1,2,3,4,7,8,9-HpCDF	199.92	66.0	26 - 138	41.0785	41.09488	-0.0164	N/A	
13C12-1,2,3,4,6,7,8-HpCDD	199.92	72.6	23 - 140	40.332	40.3447	-0.0127	N/A	
13C12-OCDD	399.85	61.9	17 - 157	45.111	45.10738	0.0036	N/A	
37Cl4-2,3,7,8-TCDD	79.969	89.1	35 - 197	26.5015	26.53683	-0.0353	N/A	

* Values outside of QC limits

SURROGATE RECOVERY AND RT SUMMARY

EPA 1613B

Laboratory:	Analytical Resources, LLC	SDG:	22L0307
Client:	Anchor QEA, LLC	Project:	AOC4 UR Phase 3
Sequence:	SLB0072	Instrument:	AUTOSPEC01
Sample ID:	22L0307-30	Calibration:	GB00010
File ID:	23020728	Analyzed:	02/08/23 07:28

Surrogate Compound	Spike Level ng/kg dry	% Recovery	Recovery Limits	RT	Calibration Mean RT	RT Diff	RT Diff Limit	Q
13C12-2,3,7,8-TCDF	199.24	85.3	24 - 169	25.8667	25.87167	-0.0050	N/A	
13C12-2,3,7,8-TCDD	199.24	106	25 - 164	26.5017	26.51423	-0.0125	N/A	
13C12-1,2,3,7,8-PeCDF	199.24	94.8	24 - 185	30.0375	30.03173	0.0058	N/A	
13C12-2,3,4,7,8-PeCDF	199.24	94.3	21 - 178	31.3745	31.36872	0.0058	N/A	
13C12-1,2,3,7,8-PeCDD	199.24	106	25 - 181	31.6197	31.62498	-0.0053	N/A	
13C12-1,2,3,4,7,8-HxCDF	199.24	90.2	26 - 152	34.9953	34.9784	0.0169	N/A	
13C12-1,2,3,6,7,8-HxCDF	199.24	89.5	26 - 123	35.129	35.11773	0.0113	N/A	
13C12-2,3,4,6,7,8-HxCDF	199.24	89.3	28 - 136	35.998	35.97562	0.0224	N/A	
13C12-1,2,3,7,8,9-HxCDF	199.24	88.9	29 - 147	37.0118	37.00233	0.0095	N/A	
13C12-1,2,3,4,7,8-HxCDD	199.24	102	32 - 141	36.1093	36.09812	0.0112	N/A	
13C12-1,2,3,6,7,8-HxCDD	199.24	99.7	28 - 130	36.2208	36.21508	0.0057	N/A	
13C12-1,2,3,4,6,7,8-HpCDF	199.24	71.6	28 - 143	38.8613	38.84072	0.0206	N/A	
13C12-1,2,3,4,7,8,9-HpCDF	199.24	69.4	26 - 138	41.1007	41.09488	0.0058	N/A	
13C12-1,2,3,4,6,7,8-HpCDD	199.24	76.6	23 - 140	40.3542	40.3447	0.0095	N/A	
13C12-OCDD	398.49	65.7	17 - 157	45.1473	45.10738	0.0399	N/A	
37Cl4-2,3,7,8-TCDD	79.698	89.8	35 - 197	26.5168	26.53683	-0.0200	N/A	

* Values outside of QC limits

SURROGATE RECOVERY AND RT SUMMARY

EPA 1613B

Laboratory:	Analytical Resources, LLC	SDG:	22L0307
Client:	Anchor QEA, LLC	Project:	AOC4 UR Phase 3
Sequence:	SLB0072	Instrument:	AUTOSPEC01
Sample ID:	22L0307-31	Calibration:	GB00010
File ID:	23020729	Analyzed:	02/08/23 08:17

Surrogate Compound	Spike Level ng/kg dry	% Recovery	Recovery Limits	RT	Calibration Mean RT	RT Diff	RT Diff Limit	Q
13C12-2,3,7,8-TCDF	199.28	93.3	24 - 169	25.8667	25.87167	-0.0050	N/A	
13C12-2,3,7,8-TCDD	199.28	109	25 - 164	26.5017	26.51423	-0.0125	N/A	
13C12-1,2,3,7,8-PeCDF	199.28	102	24 - 185	30.0263	30.03173	-0.0054	N/A	
13C12-2,3,4,7,8-PeCDF	199.28	102	21 - 178	31.3633	31.36872	-0.0054	N/A	
13C12-1,2,3,7,8-PeCDD	199.28	111	25 - 181	31.6083	31.62498	-0.0167	N/A	
13C12-1,2,3,4,7,8-HxCDF	199.28	92.1	26 - 152	34.9842	34.9784	0.0058	N/A	
13C12-1,2,3,6,7,8-HxCDF	199.28	89.7	26 - 123	35.1178	35.11773	0.0001	N/A	
13C12-2,3,4,6,7,8-HxCDF	199.28	89.3	28 - 136	35.9868	35.97562	0.0112	N/A	
13C12-1,2,3,7,8,9-HxCDF	199.28	91.0	29 - 147	37.0007	37.00233	-0.0016	N/A	
13C12-1,2,3,4,7,8-HxCDD	199.28	103	32 - 141	36.0982	36.09812	0.0001	N/A	
13C12-1,2,3,6,7,8-HxCDD	199.28	98.8	28 - 130	36.2097	36.21508	-0.0054	N/A	
13C12-1,2,3,4,6,7,8-HpCDF	199.28	77.9	28 - 143	38.8613	38.84072	0.0206	N/A	
13C12-1,2,3,4,7,8,9-HpCDF	199.28	78.5	26 - 138	41.1007	41.09488	0.0058	N/A	
13C12-1,2,3,4,6,7,8-HpCDD	199.28	83.8	23 - 140	40.3542	40.3447	0.0095	N/A	
13C12-OCDD	398.56	73.1	17 - 157	45.1382	45.10738	0.0308	N/A	
37Cl4-2,3,7,8-TCDD	79.713	93.0	35 - 197	26.5168	26.53683	-0.0200	N/A	

* Values outside of QC limits

SURROGATE RECOVERY AND RT SUMMARY

EPA 1613B

Laboratory:	Analytical Resources, LLC	SDG:	22L0307
Client:	Anchor QEA, LLC	Project:	AOC4 UR Phase 3
Sequence:	SLB0072	Instrument:	AUTOSPEC01
Sample ID:	22L0307-32	Calibration:	GB00010
File ID:	23020730	Analyzed:	02/08/23 09:07

Surrogate Compound	Spike Level ng/kg dry	% Recovery	Recovery Limits	RT	Calibration Mean RT	RT Diff	RT Diff Limit	Q
13C12-2,3,7,8-TCDF	199.87	86.8	24 - 169	25.8665	25.87167	-0.0052	N/A	
13C12-2,3,7,8-TCDD	199.87	101	25 - 164	26.5015	26.51423	-0.0127	N/A	
13C12-1,2,3,7,8-PeCDF	199.87	91.6	24 - 185	30.0262	30.03173	-0.0055	N/A	
13C12-2,3,4,7,8-PeCDF	199.87	92.2	21 - 178	31.3632	31.36872	-0.0055	N/A	
13C12-1,2,3,7,8-PeCDD	199.87	100	25 - 181	31.6193	31.62498	-0.0057	N/A	
13C12-1,2,3,4,7,8-HxCDF	199.87	84.8	26 - 152	34.984	34.9784	0.0056	N/A	
13C12-1,2,3,6,7,8-HxCDF	199.87	85.8	26 - 123	35.1178	35.11773	0.0001	N/A	
13C12-2,3,4,6,7,8-HxCDF	199.87	84.8	28 - 136	35.9868	35.97562	0.0112	N/A	
13C12-1,2,3,7,8,9-HxCDF	199.87	84.3	29 - 147	37.0118	37.00233	0.0095	N/A	
13C12-1,2,3,4,7,8-HxCDD	199.87	98.9	32 - 141	36.0982	36.09812	0.0001	N/A	
13C12-1,2,3,6,7,8-HxCDD	199.87	97.1	28 - 130	36.2097	36.21508	-0.0054	N/A	
13C12-1,2,3,4,6,7,8-HpCDF	199.87	76.0	28 - 143	38.8613	38.84072	0.0206	N/A	
13C12-1,2,3,4,7,8,9-HpCDF	199.87	79.4	26 - 138	41.1007	41.09488	0.0058	N/A	
13C12-1,2,3,4,6,7,8-HpCDD	199.87	80.5	23 - 140	40.3543	40.3447	0.0096	N/A	
13C12-OCDD	399.73	73.1	17 - 157	45.1383	45.10738	0.0309	N/A	
37Cl4-2,3,7,8-TCDD	79.946	90.5	35 - 197	26.5167	26.53683	-0.0201	N/A	

* Values outside of QC limits

SURROGATE RECOVERY AND RT SUMMARY

EPA 1613B

Laboratory:	Analytical Resources, LLC	SDG:	22L0307
Client:	Anchor QEA, LLC	Project:	AOC4 UR Phase 3
Sequence:	SLB0072	Instrument:	AUTOSPEC01
Sample ID:	22L0307-33	Calibration:	GB00010
File ID:	23020731	Analyzed:	02/08/23 09:56

Surrogate Compound	Spike Level ng/kg dry	% Recovery	Recovery Limits	RT	Calibration Mean RT	RT Diff	RT Diff Limit	Q
13C12-2,3,7,8-TCDF	199.47	90.8	24 - 169	25.8363	25.87167	-0.0354	N/A	
13C12-2,3,7,8-TCDD	199.47	108	25 - 164	26.4713	26.51423	-0.0429	N/A	
13C12-1,2,3,7,8-PeCDF	199.47	98.4	24 - 185	30.0038	30.03173	-0.0279	N/A	
13C12-2,3,4,7,8-PeCDF	199.47	95.8	21 - 178	31.3408	31.36872	-0.0279	N/A	
13C12-1,2,3,7,8-PeCDD	199.47	104	25 - 181	31.597	31.62498	-0.0280	N/A	
13C12-1,2,3,4,7,8-HxCDF	199.47	95.3	26 - 152	34.9617	34.9784	-0.0167	N/A	
13C12-1,2,3,6,7,8-HxCDF	199.47	95.7	26 - 123	35.1065	35.11773	-0.0112	N/A	
13C12-2,3,4,6,7,8-HxCDF	199.47	94.5	28 - 136	35.9643	35.97562	-0.0113	N/A	
13C12-1,2,3,7,8,9-HxCDF	199.47	90.0	29 - 147	36.9892	37.00233	-0.0131	N/A	
13C12-1,2,3,4,7,8-HxCDD	199.47	109	32 - 141	36.0757	36.09812	-0.0224	N/A	
13C12-1,2,3,6,7,8-HxCDD	199.47	108	28 - 130	36.1872	36.21508	-0.0279	N/A	
13C12-1,2,3,4,6,7,8-HpCDF	199.47	81.4	28 - 143	38.8387	38.84072	-0.0020	N/A	
13C12-1,2,3,4,7,8,9-HpCDF	199.47	82.1	26 - 138	41.078	41.09488	-0.0169	N/A	
13C12-1,2,3,4,6,7,8-HpCDD	199.47	87.1	23 - 140	40.3317	40.3447	-0.0130	N/A	
13C12-OCDD	398.93	75.0	17 - 157	45.1105	45.10738	0.0031	N/A	
37Cl4-2,3,7,8-TCDD	79.787	88.9	35 - 197	26.5015	26.53683	-0.0353	N/A	

* Values outside of QC limits

Analytical Resources, LLC
Analytical Chemists and Consultants

SURROGATE RECOVERY AND RT SUMMARY

EPA 1613B

Laboratory:	Analytical Resources, LLC	SDG:	22L0307
Client:	Anchor QEA, LLC	Project:	AOC4 UR Phase 3
Sequence:	SLB0072	Instrument:	AUTOSPEC01
Sample ID:	22L0307-34	Calibration:	GB00010
File ID:	23020732	Analyzed:	02/08/23 10:46

Surrogate Compound	Spike Level ng/kg dry	% Recovery	Recovery Limits	RT	Calibration Mean RT	RT Diff	RT Diff Limit	Q
13C12-2,3,7,8-TCDF	199.81	96.8	24 - 169	25.8363	25.87167	-0.0354	N/A	
13C12-2,3,7,8-TCDD	199.81	115	25 - 164	26.4713	26.51423	-0.0429	N/A	
13C12-1,2,3,7,8-PeCDF	199.81	105	24 - 185	30.0038	30.03173	-0.0279	N/A	
13C12-2,3,4,7,8-PeCDF	199.81	101	21 - 178	31.3408	31.36872	-0.0279	N/A	
13C12-1,2,3,7,8-PeCDD	199.81	112	25 - 181	31.5972	31.62498	-0.0278	N/A	
13C12-1,2,3,4,7,8-HxCDF	199.81	111	26 - 152	34.9618	34.9784	-0.0166	N/A	
13C12-1,2,3,6,7,8-HxCDF	199.81	109	26 - 123	35.1065	35.11773	-0.0112	N/A	
13C12-2,3,4,6,7,8-HxCDF	199.81	108	28 - 136	35.9645	35.97562	-0.0111	N/A	
13C12-1,2,3,7,8,9-HxCDF	199.81	101	29 - 147	36.9895	37.00233	-0.0128	N/A	
13C12-1,2,3,4,7,8-HxCDD	199.81	126	32 - 141	36.0758	36.09812	-0.0223	N/A	
13C12-1,2,3,6,7,8-HxCDD	199.81	124	28 - 130	36.1872	36.21508	-0.0279	N/A	
13C12-1,2,3,4,6,7,8-HpCDF	199.81	89.6	28 - 143	38.839	38.84072	-0.0017	N/A	
13C12-1,2,3,4,7,8,9-HpCDF	199.81	86.3	26 - 138	41.0783	41.09488	-0.0166	N/A	
13C12-1,2,3,4,6,7,8-HpCDD	199.81	95.6	23 - 140	40.3318	40.3447	-0.0129	N/A	
13C12-OCDD	399.62	74.9	17 - 157	45.1108	45.10738	0.0034	N/A	
37Cl4-2,3,7,8-TCDD	79.924	95.8	35 - 197	26.5017	26.53683	-0.0351	N/A	

* Values outside of QC limits

SURROGATE RECOVERY AND RT SUMMARY
EPA 1613B

Laboratory:	Analytical Resources, LLC	SDG:	22L0307
Client:	Anchor QEA, LLC	Project:	AOC4 UR Phase 3
Sequence:	SLB0072	Instrument:	AUTOSPEC01
Sample ID:	SLB0072-CCV3	Calibration:	GB00010
File ID:	23020733	Analyzed:	02/08/23 11:35

Surrogate Compound	Spike Level ng/mL	% Recovery	Recovery Limits	RT	Calibration Mean RT	RT Diff	RT Diff Limit	Q
13C12-2,3,7,8-TCDF	100.00	90.3	71 - 129	25.8363	25.87167	-0.0354	N/A	
13C12-2,3,7,8-TCDD	100.00	103	82 - 118	26.4713	26.51423	-0.0429	N/A	
13C12-1,2,3,7,8-PeCDF	100.00	98.3	76 - 124	30.004	30.03173	-0.0277	N/A	
13C12-2,3,4,7,8-PeCDF	100.00	95.8	77 - 123	31.341	31.36872	-0.0277	N/A	
13C12-1,2,3,7,8-PeCDD	100.00	102	62 - 138	31.586	31.62498	-0.0390	N/A	
13C12-1,2,3,4,7,8-HxCDF	100.00	85.7	76 - 124	34.962	34.9784	-0.0164	N/A	
13C12-1,2,3,6,7,8-HxCDF	100.00	87.9	70 - 130	35.0957	35.11773	-0.0220	N/A	
13C12-2,3,4,6,7,8-HxCDF	100.00	87.1	73 - 127	35.9645	35.97562	-0.0111	N/A	
13C12-1,2,3,7,8,9-HxCDF	100.00	85.1	74 - 126	36.9897	37.00233	-0.0126	N/A	
13C12-1,2,3,4,7,8-HxCDD	100.00	101	85 - 115	36.076	36.09812	-0.0221	N/A	
13C12-1,2,3,6,7,8-HxCDD	100.00	98.7	85 - 115	36.1875	36.21508	-0.0276	N/A	
13C12-1,2,3,4,6,7,8-HpCDF	100.00	81.2	78 - 122	38.839	38.84072	-0.0017	N/A	
13C12-1,2,3,4,7,8,9-HpCDF	100.00	84.1	77 - 123	41.0785	41.09488	-0.0164	N/A	
13C12-1,2,3,4,6,7,8-HpCDD	100.00	90.4	72 - 128	40.332	40.3447	-0.0127	N/A	
13C12-OCDD	200.00	85.6	48 - 152	45.1108	45.10738	0.0034	N/A	
37Cl4-2,3,7,8-TCDD	10.000	89.0	0 - 200	26.4865	26.53683	-0.0503	N/A	

* Values outside of QC limits

SURROGATE RECOVERY AND RT SUMMARY

EPA 1613B

Laboratory:	Analytical Resources, LLC	SDG:	22L0307
Client:	Anchor QEA, LLC	Project:	AOC4 UR Phase 3
Sequence:	SLB0130	Instrument:	AUTOSPEC01
Sample ID:	SLB0130-ICV1	Calibration:	GB00010
File ID:	23020902	Analyzed:	02/09/23 14:51

Surrogate Compound	Spike Level ng/mL	% Recovery	Recovery Limits	RT	Calibration Mean RT	RT Diff	RT Diff Limit	Q
13C12-2,3,7,8-TCDF	100.00	98.5	71 - 129	25.9013	25.87167	0.0296	N/A	
13C12-2,3,7,8-TCDD	100.00	103	82 - 118	26.537	26.51423	0.0228	N/A	
13C12-1,2,3,7,8-PeCDF	100.00	100	76 - 124	30.0643	30.03173	0.0326	N/A	
13C12-2,3,4,7,8-PeCDF	100.00	98.2	77 - 123	31.4015	31.36872	0.0328	N/A	
13C12-1,2,3,7,8-PeCDD	100.00	96.8	62 - 138	31.6465	31.62498	0.0215	N/A	
13C12-1,2,3,4,7,8-HxCDF	100.00	99.2	76 - 124	35.0225	34.9784	0.0441	N/A	
13C12-1,2,3,6,7,8-HxCDF	100.00	109	70 - 130	35.1562	35.11773	0.0385	N/A	
13C12-2,3,4,6,7,8-HxCDF	100.00	101	73 - 127	36.014	35.97562	0.0384	N/A	
13C12-1,2,3,7,8,9-HxCDF	100.00	93.1	74 - 126	37.039	37.00233	0.0367	N/A	
13C12-1,2,3,4,7,8-HxCDD	100.00	102	85 - 115	36.1255	36.09812	0.0274	N/A	
13C12-1,2,3,6,7,8-HxCDD	100.00	117	85 - 118	36.2368	36.21508	0.0217	N/A	
13C12-1,2,3,4,6,7,8-HpCDF	100.00	103	78 - 122	38.8885	38.84072	0.0478	N/A	
13C12-1,2,3,4,7,8,9-HpCDF	100.00	102	77 - 123	41.139	41.09488	0.0441	N/A	
13C12-1,2,3,4,6,7,8-HpCDD	100.00	104	72 - 128	40.3927	40.3447	0.0480	N/A	
13C12-OCDD	200.00	94.8	48 - 152	45.189	45.10738	0.0816	N/A	
37Cl4-2,3,7,8-TCDD	10.000	95.5	0 - 200	26.5512	26.53683	0.0144	N/A	

* Values outside of QC limits

SURROGATE RECOVERY AND RT SUMMARY
EPA 1613B

Laboratory:	Analytical Resources, LLC	SDG:	22L0307
Client:	Anchor QEA, LLC	Project:	AOC4 UR Phase 3
Sequence:	SLB0130	Instrument:	AUTOSPEC01
Sample ID:	SLB0130-CCV1	Calibration:	GB00010
File ID:	23020913	Analyzed:	02/09/23 23:56

Surrogate Compound	Spike Level ng/mL	% Recovery	Recovery Limits	RT	Calibration Mean RT	RT Diff	RT Diff Limit	Q
13C12-2,3,7,8-TCDF	100.00	94.2	71 - 129	25.8873	25.87167	0.0156	N/A	
13C12-2,3,7,8-TCDD	100.00	104	82 - 118	26.523	26.51423	0.0088	N/A	
13C12-1,2,3,7,8-PeCDF	100.00	101	76 - 124	30.0533	30.03173	0.0216	N/A	
13C12-2,3,4,7,8-PeCDF	100.00	104	77 - 123	31.3903	31.36872	0.0216	N/A	
13C12-1,2,3,7,8-PeCDD	100.00	99.9	62 - 138	31.6355	31.62498	0.0105	N/A	
13C12-1,2,3,4,7,8-HxCDF	100.00	97.1	76 - 124	35.011	34.9784	0.0326	N/A	
13C12-1,2,3,6,7,8-HxCDF	100.00	99.7	70 - 130	35.1447	35.11773	0.0270	N/A	
13C12-2,3,4,6,7,8-HxCDF	100.00	97.6	73 - 127	36.0137	35.97562	0.0381	N/A	
13C12-1,2,3,7,8,9-HxCDF	100.00	95.6	74 - 126	37.0387	37.00233	0.0364	N/A	
13C12-1,2,3,4,7,8-HxCDD	100.00	99.2	85 - 115	36.1252	36.09812	0.0271	N/A	
13C12-1,2,3,6,7,8-HxCDD	100.00	98.5	85 - 115	36.2365	36.21508	0.0214	N/A	
13C12-1,2,3,4,6,7,8-HpCDF	100.00	97.0	78 - 122	38.8882	38.84072	0.0475	N/A	
13C12-1,2,3,4,7,8,9-HpCDF	100.00	98.3	77 - 123	41.1387	41.09488	0.0438	N/A	
13C12-1,2,3,4,6,7,8-HpCDD	100.00	99.6	72 - 128	40.3922	40.3447	0.0475	N/A	
13C12-OCDD	200.00	87.7	48 - 152	45.1885	45.10738	0.0811	N/A	
37Cl4-2,3,7,8-TCDD	10.000	92.9	0 - 200	26.537	26.53683	0.0002	N/A	

* Values outside of QC limits

SURROGATE RECOVERY AND RT SUMMARY

EPA 1613B

Laboratory:	Analytical Resources, LLC	SDG:	22L0307
Client:	Anchor QEA, LLC	Project:	AOC4 UR Phase 3
Sequence:	SLB0130	Instrument:	AUTOSPEC01
Sample ID:	SLB0130-CCV2	Calibration:	GB00010
File ID:	23020927	Analyzed:	02/10/23 14:10

Surrogate Compound	Spike Level ng/mL	% Recovery	Recovery Limits	RT	Calibration Mean RT	RT Diff	RT Diff Limit	Q
13C12-2,3,7,8-TCDF	100.00	94.4	71 - 129	25.9157	25.87167	0.0440	N/A	
13C12-2,3,7,8-TCDD	100.00	106	82 - 118	26.5512	26.51423	0.0370	N/A	
13C12-1,2,3,7,8-PeCDF	100.00	98.4	76 - 124	30.0868	30.03173	0.0551	N/A	
13C12-2,3,4,7,8-PeCDF	100.00	99.7	77 - 123	31.4238	31.36872	0.0551	N/A	
13C12-1,2,3,7,8-PeCDD	100.00	99.8	62 - 138	31.68	31.62498	0.0550	N/A	
13C12-1,2,3,4,7,8-HxCDF	100.00	97.8	76 - 124	35.0447	34.9784	0.0663	N/A	
13C12-1,2,3,6,7,8-HxCDF	100.00	101	70 - 130	35.1897	35.11773	0.0720	N/A	
13C12-2,3,4,6,7,8-HxCDF	100.00	97.8	73 - 127	36.0475	35.97562	0.0719	N/A	
13C12-1,2,3,7,8,9-HxCDF	100.00	96.6	74 - 126	37.0723	37.00233	0.0700	N/A	
13C12-1,2,3,4,7,8-HxCDD	100.00	97.6	85 - 115	36.1588	36.09812	0.0607	N/A	
13C12-1,2,3,6,7,8-HxCDD	100.00	99.5	85 - 115	36.2702	36.21508	0.0551	N/A	
13C12-1,2,3,4,6,7,8-HpCDF	100.00	99.0	78 - 122	38.922	38.84072	0.0813	N/A	
13C12-1,2,3,4,7,8,9-HpCDF	100.00	97.0	77 - 123	41.1725	41.09488	0.0776	N/A	
13C12-1,2,3,4,6,7,8-HpCDD	100.00	100	72 - 128	40.426	40.3447	0.0813	N/A	
13C12-OCDD	200.00	102	48 - 152	45.2437	45.10738	0.1363	N/A	
37Cl4-2,3,7,8-TCDD	10.000	93.8	0 - 200	26.5653	26.53683	0.0285	N/A	

* Values outside of QC limits

HOLDING TIME SUMMARY

Analysis: EPA 1613B

Laboratory:	Analytical Resources, LLC	SDG:	22L0307
Client:	Anchor QEA, LLC	Project:	AOC4 UR Phase 3

Sample Name	Date Collected	Date Received	Date Prepared	Days to Prep	Max Days to Prep	Date Analyzed	Days to Analysis	Max Days to Analysis	Q
LDW22-IT808A 22L0307-29	12/12/22 09:46	12/12/22 16:42	12/27/22 14:20	15	14	02/08/23 06:38	43	365	*
LDW22-IT808B 22L0307-30	12/12/22 09:46	12/12/22 16:42	12/27/22 14:20	15	14	02/08/23 07:28	43	365	*
LDW22-IT808C 22L0307-31	12/12/22 09:46	12/12/22 16:42	12/27/22 14:20	15	14	02/08/23 08:17	43	365	*
LDW22-IT808D 22L0307-32	12/12/22 09:46	12/12/22 16:42	12/27/22 14:20	15	14	02/08/23 09:07	43	365	*
LDW22-IT808E 22L0307-33	12/12/22 09:46	12/12/22 16:42	12/27/22 14:20	15	14	02/08/23 09:56	43	365	*
LDW22-IT808F 22L0307-34	12/12/22 09:46	12/12/22 16:42	12/27/22 14:20	15	14	02/08/23 10:46	43	365	*
Duplicate BKL0420-DUP1	12/12/22 09:46	12/12/22 16:42	12/27/22 14:20	15	14	02/08/23 05:49	43	365	*

* Indicates hold time exceedance.

METHOD DETECTION AND REPORTING LIMITS

EPA 1613B

Laboratory:	Analytical Resources, LLC	SDG:	22L0307
Client:	Anchor QEA, LLC	Project:	AOC4 UR Phase 3
Matrix:	Solid	Instrument:	AUTOSPEC01

Analyte	MDL	RL	Units
2,3,7,8-TCDF	0.058	1.00	ng/kg
2,3,7,8-TCDD	0.150	1.00	ng/kg
1,2,3,7,8-PeCDF	0.240	1.00	ng/kg
2,3,4,7,8-PeCDF	0.220	1.00	ng/kg
1,2,3,7,8-PeCDD	0.170	1.00	ng/kg
1,2,3,4,7,8-HxCDF	0.280	1.00	ng/kg
1,2,3,6,7,8-HxCDF	0.200	1.00	ng/kg
2,3,4,6,7,8-HxCDF	0.170	1.00	ng/kg
1,2,3,7,8,9-HxCDF	0.190	1.00	ng/kg
1,2,3,4,7,8-HxCDD	0.170	1.00	ng/kg
1,2,3,6,7,8-HxCDD	0.180	1.00	ng/kg
1,2,3,7,8,9-HxCDD	0.220	1.00	ng/kg
1,2,3,4,6,7,8-HpCDF	0.210	1.00	ng/kg
1,2,3,4,7,8,9-HpCDF	0.240	1.00	ng/kg
1,2,3,4,6,7,8-HpCDD	0.560	2.50	ng/kg
OCDF	1.10	2.50	ng/kg
OCDD	4.60	10.0	ng/kg
Total TCDF		1.00	ng/kg
Total TCDD		1.00	ng/kg
Total PeCDF		1.00	ng/kg
Total PeCDD		1.00	ng/kg
Total HxCDF		1.00	ng/kg
Total HxCDD		1.00	ng/kg
Total HpCDF		1.00	ng/kg
Total HpCDD		1.00	ng/kg

WELLINGTON
LABORATORIES

CERTIFICATE OF ANALYSIS
DOCUMENTATION

CS3WT

Calibration and Verification Solution (EPA-1613CS3) combined with Window Defining and 2,3,7,8-TCDD Resolution Testing Congeners

PRODUCT CODE:	CS3WT
LOT NUMBER:	CS3WT0918
SOLVENT(S):	Nonane/Toluene
DATE PREPARED: (mm/dd/yyyy)	10/24/2018
LAST TESTED: (mm/dd/yyyy)	10/29/2018
EXPIRY DATE: (mm/dd/yyyy)	10/29/2025
RECOMMENDED STORAGE:	Store ampoule in a cool, dark place

DESCRIPTION:

CS3WT is a solution/mixture of native and $^{13}C_{12}$-labelled chlorinated dibenzo-p-dioxins (PCDDs) and dibenzofurans (PCDFs). The components and their concentrations are given in Table A.

CS3WT was designed and prepared to be used as a HRMS calibration standard according to U.S. EPA Method 1613B.

It is to be used for calibration verification in place of EPA-1613CS3 (Lot: 13CS30918). It also contains the PCDD and PCDF window defining congeners for a DB-5 (or equivalent) capillary column as well as the TCDD isomers required to test and confirm the resolution of 2,3,7,8-TCDD.

The individual ^{13}C-labelled PCDDs and PCDFs all have chemical purities of >98% and isotopic purities of ≥99%. The 2,3,7,8-$^{37}Cl_4$-tetrachlorodibenzo-p-dioxin has a chemical purity of >98% and an isotopic (^{37}Cl) purity of ≥95%. The individual native 2,3,7,8-substituted PCDD and PCDF congeners all have chemical purities of >98%; the other congeners (window defining and resolution testing) should only be considered semi-quantitative.

This current lot of CS3WT is to be used with the 1613 calibration solutions having the following lot numbers:

PRODUCT CODE	**LOT NUMBER**
EPA-1613CS1	13CS10918
EPA-1613CS2	13CS20918
EPA-1613CS3	13CS30918
EPA-1613CS4	13CS40918
EPA-1613CS5	13CS50918
EPA-1613CSL	13CSL0918
EPA-1613CS0.5	13CS0.50918

FOR LABORATORY USE ONLY: NOT FOR HUMAN OR DRUG USE

DOCUMENTATION/ DATA ATTACHED:

Table A: Components and Concentrations of the Solution/Mixture
Figure 1: HRGC/HRMS Data (SIR; 10,000 mass resolving power)

ADDITIONAL INFORMATION:

- See page 3 for further details.
- Only the 2,3,7,8-substituted PCDDs and PCDFs should be used for quantitation. The other congeners (window defining and 2378-TCDD resolution testing) should be considered semi-quantitative (within ±20% of their design value). Impurities have been identified where possible.

INTENDED USE:

The products prepared by Wellington Laboratories Inc. are for laboratory use only. This certified reference material (CRM) was designed to be used as a standard for the identification and/or quantification of the specific chemical compounds it contains.

HANDLING:

This product should only be used by qualified personnel familiar with its potential hazards and trained in the handling of hazardous chemicals. Due care should be exercised to prevent unnecessary human contact or ingestion. All procedures should be carried out in a well-functioning fume hood and suitable gloves, eye protection, and clothing should be worn at all times. Waste should be disposed of according to national and regional regulations. Safety Data Sheets (SDSs) are available upon request.

SYNTHESIS / CHARACTERIZATION:

Our products are synthesized using single-product unambiguous routes whenever possible. They are then characterized, and their structures and purities confirmed, using a combination of the most relevant techniques, such as NMR, GC/MS, LC/MS/MS, SFC/UV/MS/MS, x-ray crystallography, and melting point. Isotopic purities of mass-labelled compounds are also confirmed using HRGC/HRMS and/or LC/MS/MS.

HOMOGENEITY:

Prior to solution preparation, crystalline material is tested for homogeneity using a variety of techniques (as stated above) and its solubility in a given diluent is taken into consideration. Duplicate solutions of a new product are prepared from the same crystalline lot and, after the addition of an appropriate internal standard, they are compared by GC/MS, LC/MS/MS, and/or SFC/UV/MS/MS. The relative response factors of the analyte of interest in each solution are required to be <5% RSD. New solution lots of existing products, as well as mixtures and calibration solutions, are compared to older lots in a similar manner. This further confirms the homogeneity of the crystalline material as well as the stability and homogeneity of the solutions in the storage containers. In order to maintain the integrity of the assigned value(s), and associated uncertainty, the dilution or injection of a subsample of this product should be performed using calibrated measuring equipment.

UNCERTAINTY:

The maximum combined relative standard uncertainty of our reference standard solutions is calculated using the following equation:

The combined relative standard uncertainty, $u_c(y)$, of a value y and the uncertainty of the independent parameters x_1, x_2,...x_n on which it depends is:

$$u_c(y(x_1, x_2, \ldots x_n)) = \sqrt{\sum_{i=1}^{n} u(y, x_i)^2}$$

where x is expressed as a relative standard uncertainty of the individual parameter.

The individual uncertainties taken into account include those associated with weights (calibration of the balance) and volumes (calibration of the volumetric glassware). An expanded maximum combined percent relative uncertainty of ±5% (calculated with a coverage factor of 2 and a level of confidence of 95%) is stated on the Certificate of Analysis for all of our products.

TRACEABILITY:

All reference standard solutions are traceable to specific crystalline lots. The microbalances used for solution preparation are regularly calibrated by an external ISO/IEC 17025 accredited laboratory. In addition, their calibration is verified prior to each weighing using calibrated external weights traceable to an ISO/IEC 17025 accredited laboratory. All volumetric glassware used is calibrated, of Class A tolerance, and traceable to an ISO/IEC 17025 accredited laboratory. For certain products, traceability to international interlaboratory studies has also been established.

EXPIRY DATE / PERIOD OF VALIDITY:

Ongoing stability studies of this product have demonstrated stability in its composition and concentration, until the specified expiry date, in the unopened ampoule. Monitoring for any degradation or change in concentration of the listed analyte(s) is performed on a routine basis.

LIMITED WARRANTY:

At the time of shipment, all products are warranted to be free of defects in material and workmanship and to conform to the stated technical and purity specifications.

QUALITY MANAGEMENT:

This product was produced using a Quality Management System registered to the latest versions of ISO 9001 by SAI Global, ISO/IEC 17025 by the Canadian Association for Laboratory Accreditation Inc. (CALA; A 1226), and ISO 17034 by ANSI-ASQ National Accreditation Board (ANAB; AR-1523).

CALA
Testing
Accreditation No. A1226

ANAB
ACCREDITED
ISO 17034
REFERENCE MATERIAL
PRODUCER

For additional information or assistance concerning this or any other products from Wellington Laboratories Inc., please visit our website at www.well-labs.com or contact us directly at info@well-labs.com

<u>Table A:</u> CS3WT; Components and Concentrations (ng/ml, in nonane/4.5% toluene)

<u>QUANTITATIVE ANALYTES (ng/ml, ±5%)</u>

Native PCDDs & PCDFs:

2,3,7,8-TCDD	10
2,3,7,8-TCDF	10
1,2,3,7,8-PeCDD	50
1,2,3,7,8-PeCDF	50
2,3,4,7,8-PeCDF	50
1,2,3,4,7,8-HxCDD	50
1,2,3,6,7,8-HxCDD	50
1,2,3,7,8,9-HxCDD	50
1,2,3,4,7,8-HxCDF	50
1,2,3,6,7,8-HxCDF	50
1,2,3,7,8,9-HxCDF	50
2,3,4,6,7,8-HxCDF	50
1,2,3,4,6,7,8-HpCDD *(WD)*	50
1,2,3,4,6,7,8-HpCDF *(WD)*	50
1,2,3,4,7,8,9-HpCDF *(WD)*	50
OCDD	100
OCDF	100

Labelled PCDDs & PCDFs:

$^{13}C_{12}$-2,3,7,8-TCDD	100
$^{13}C_{12}$-2,3,7,8-TCDF	100
$^{13}C_{12}$-1,2,3,7,8-PeCDD	100
$^{13}C_{12}$-1,2,3,7,8-PeCDF	100
$^{13}C_{12}$-2,3,4,7,8-PeCDF	100
$^{13}C_{12}$-1,2,3,4,7,8-HxCDD	100
$^{13}C_{12}$-1,2,3,6,7,8-HxCDD	100
$^{13}C_{12}$-1,2,3,4,7,8-HxCDF	100
$^{13}C_{12}$-1,2,3,6,7,8-HxCDF	100
$^{13}C_{12}$-1,2,3,7,8,9-HxCDF	100
$^{13}C_{12}$-2,3,4,6,7,8-HxCDF	100
$^{13}C_{12}$-1,2,3,4,6,7,8-HpCDD	100
$^{13}C_{12}$-1,2,3,4,6,7,8-HpCDF	100
$^{13}C_{12}$-1,2,3,4,7,8,9-HpCDF	100
$^{13}C_{12}$-OCDD	200

Cleanup Standard:

$^{37}Cl_{4}$-2,3,7,8-TCDD	10

Internal Standards:

$^{13}C_{12}$-1,2,3,4-TCDD	100
$^{13}C_{12}$-1,2,3,7,8,9-HxCDD	100

WD – Window Definer

<u>SEMI-QUANTITATIVE ANALYTES (ng/ml, ±20%)</u>

Window Definers:*

1,3,6,8-TCDD	10
1,2,8,9-TCDD	10
1,3,6,8-TCDF	10
1,2,8,9-TCDF	10
1,2,4,6,8/1,2,4,7,9-PeCDD	50
1,2,3,8,9-PeCDD	50
1,3,4,6,8-PeCDF	50
1,2,3,8,9-PeCDF	50
1,2,4,6,7,9-HxCDD	50
1,2,3,4,6,8-HxCDF	50
1,2,3,4,6,7,9-HpCDD	50

2378-TCDD Resolution Testing Isomers:

1,2,3,4-TCDD	5
1,2,3,7/1,2,3,8-TCDD	5
1,2,3,9-TCDD	10

** 1,2,3,4,6,7-HxCDD (last eluting HxCDD) not included; coelutes with 1,2,3,7,8,9-HxCDD. Use 1,2,3,4,6,7,9-HpCDD to set window.*

** 1,2,3,4,8,9-HxCDF (last eluting HxCDF) not included; can interfere with 1,2,3,7,8,9-HxCDF. Use 1,2,3,4,6,7,8-HpCDF to set window.*

Certified By: ______________________ **Date:** 10/30/2018
(mm/dd/yyyy)

B.G. Chittim, General Manager

Figure 1: CS3WT; HRGC/HRMS Data (60 m DB-5 Column)

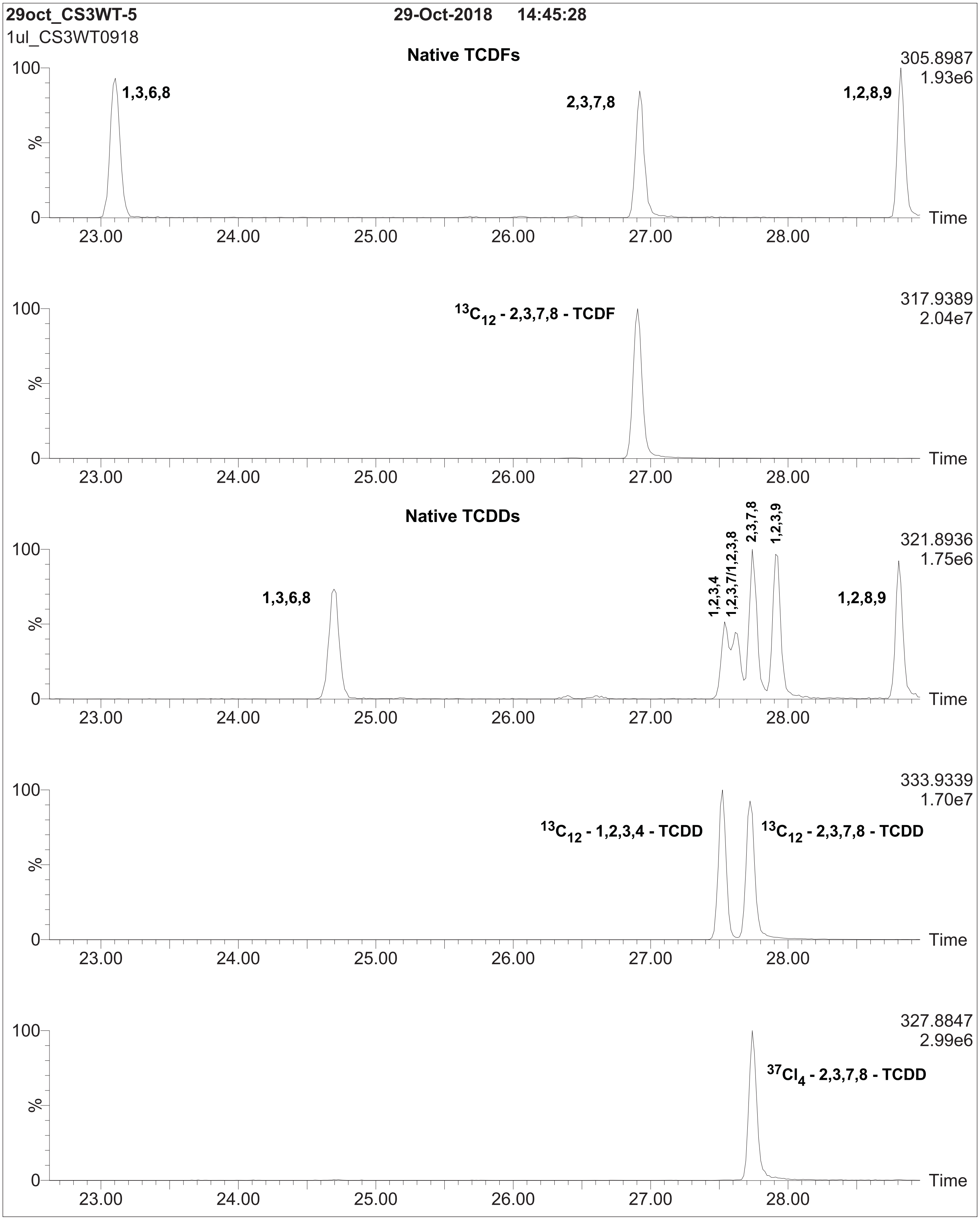
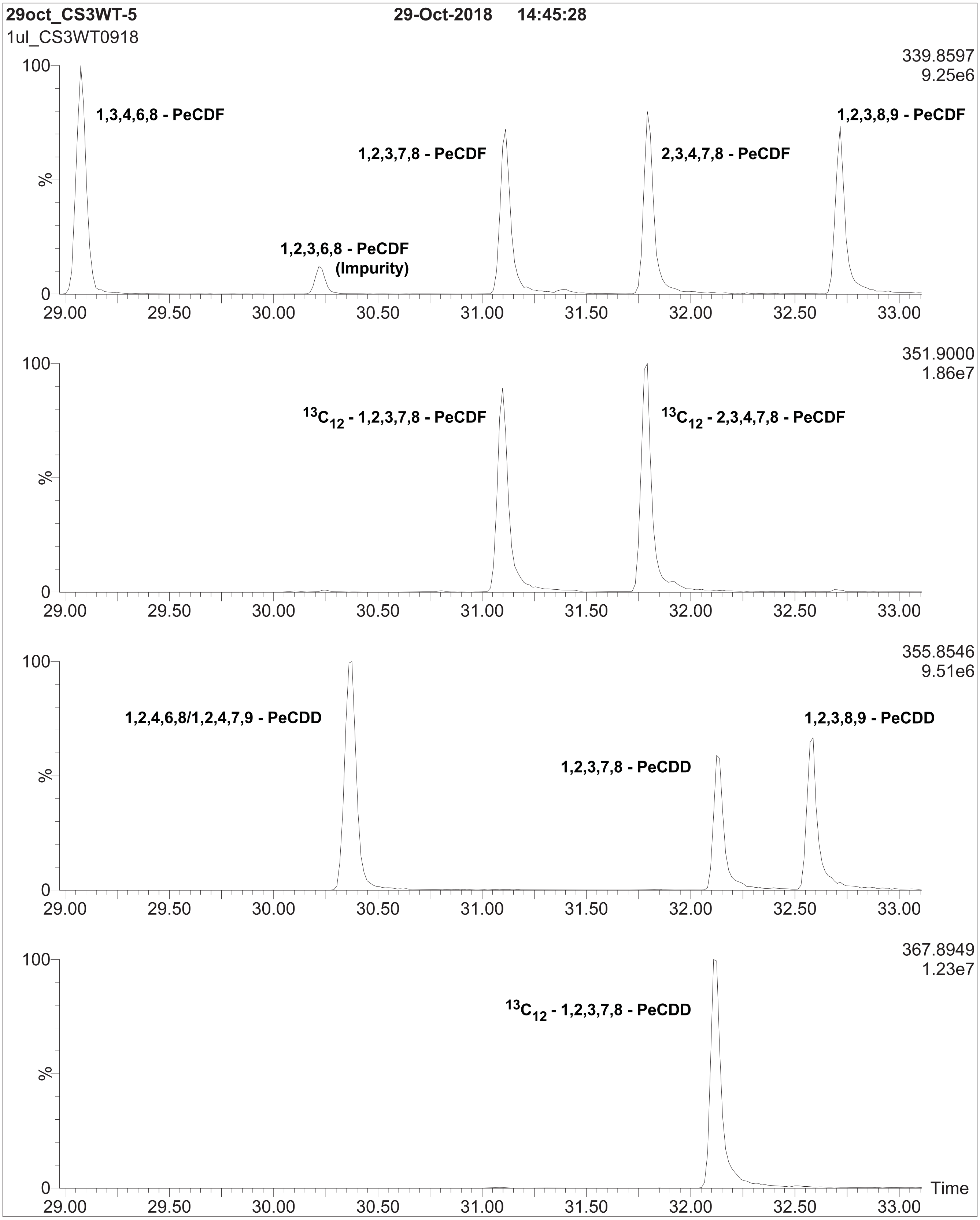


Figure 1: **CS3WT; HRGC/HRMS Data (60 m DB-5 Column)**



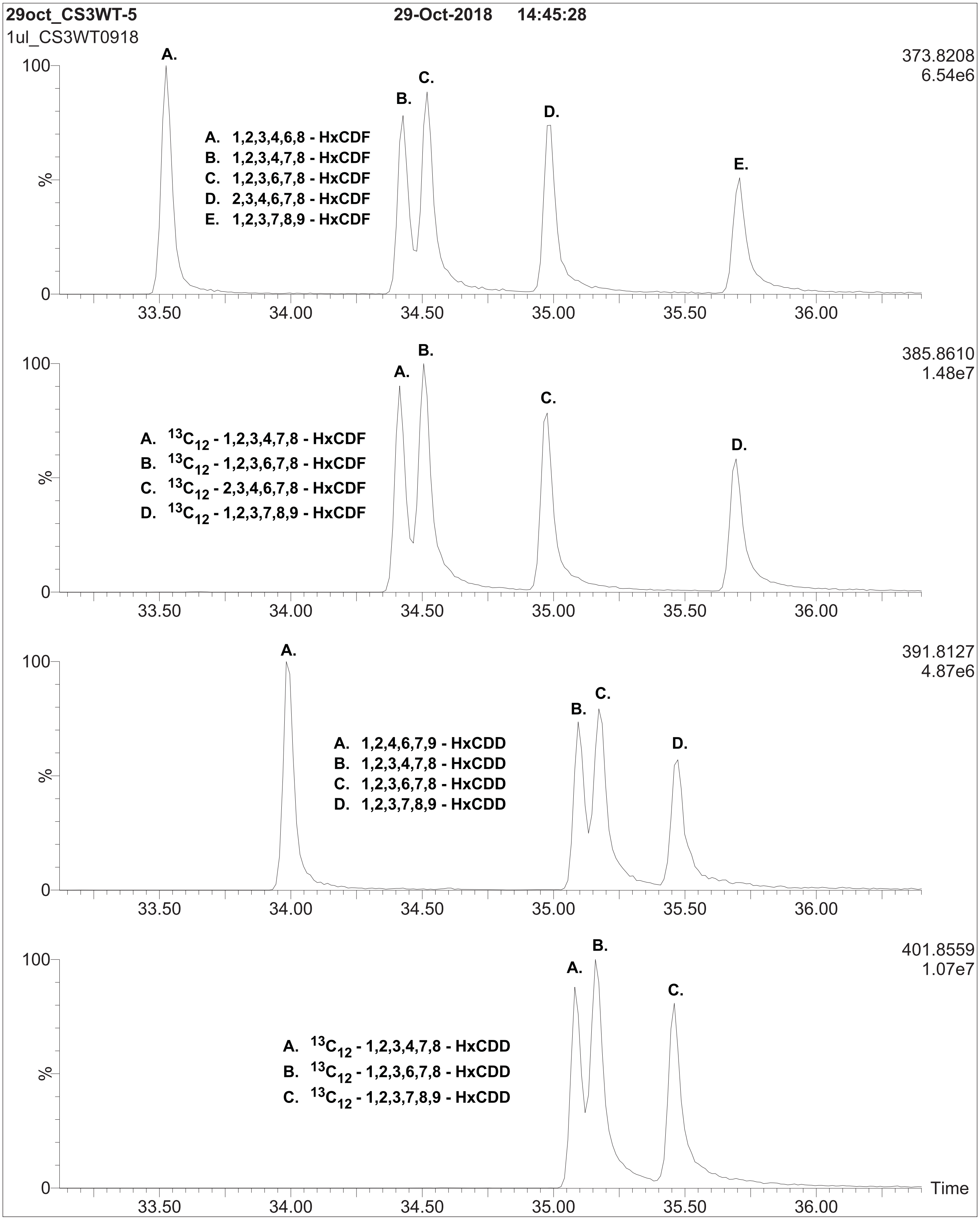


Figure 1: **CS3WT; HRGC/HRMS Data (60 m DB-5 Column)**

Figure 1: CS3WT; HRGC/HRMS Data (60 m DB-5 Column)

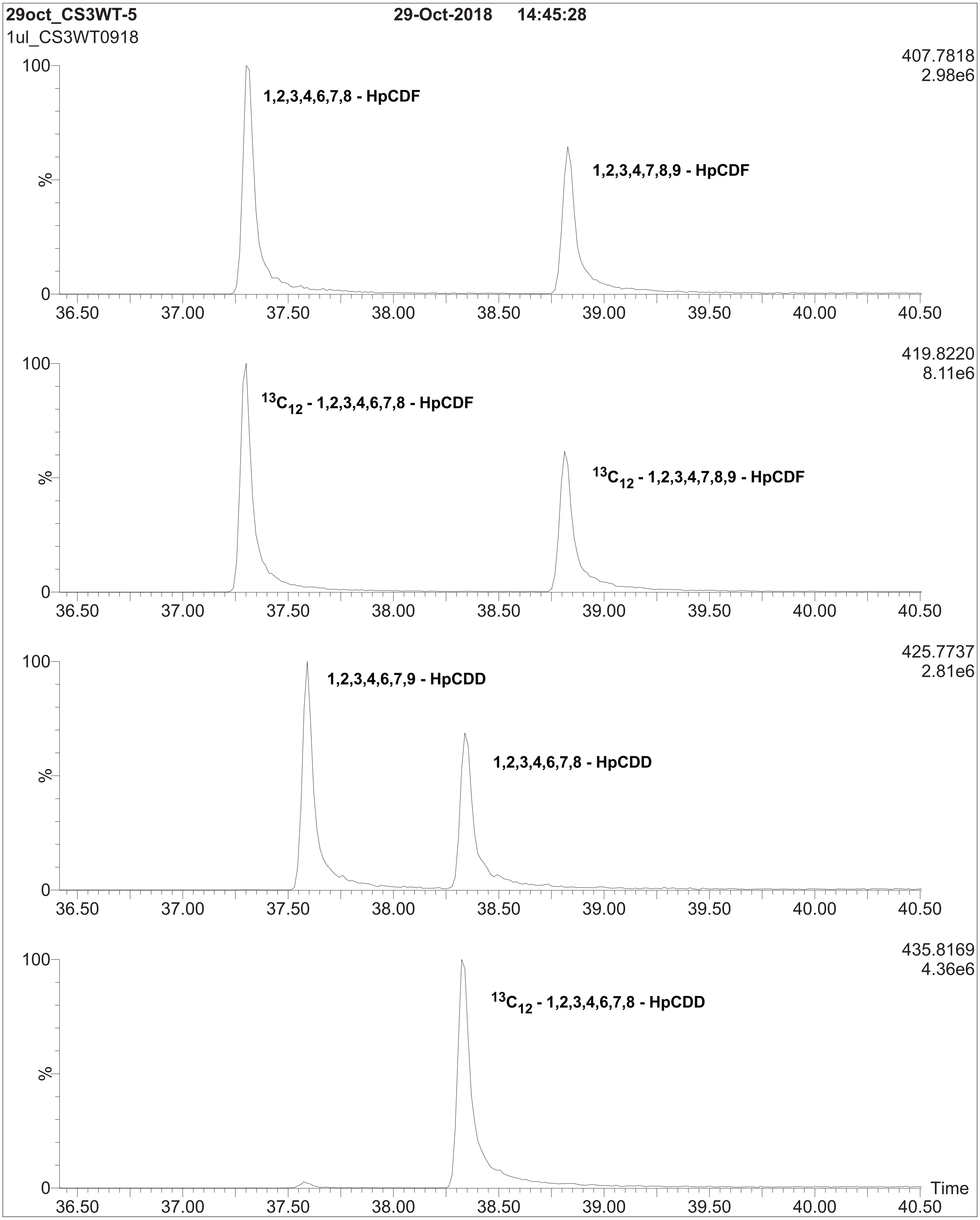
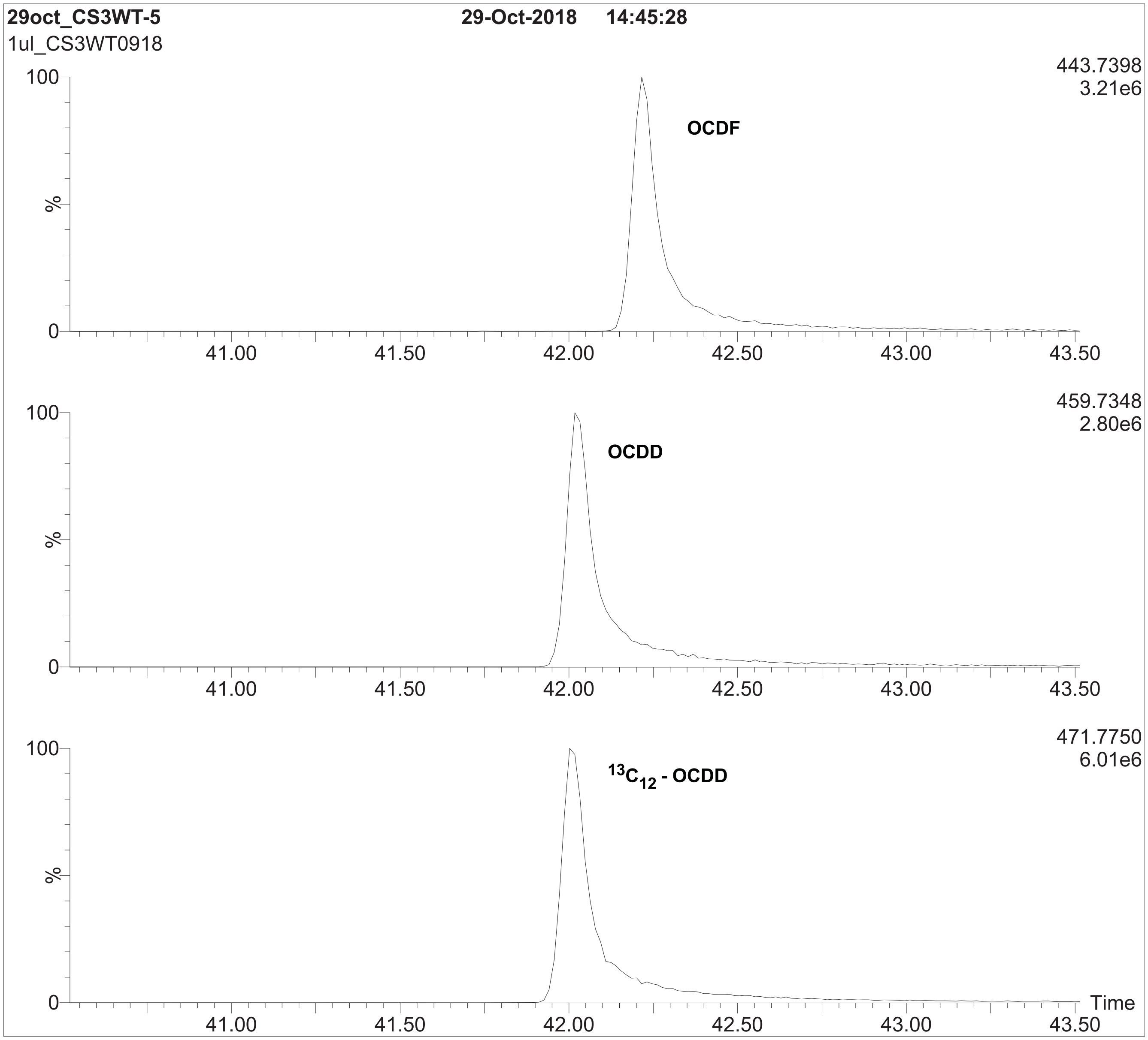


Figure 1: **CS3WT; HRGC/HRMS Data (60 m DB-5 Column)**



HRGC/HRMS:

Agilent 6890N (HRGC)
Autospec Ultima (HRMS)

Chromatographic Conditions:

Column: 60 m DB-5 (0.25 mm id, 0.25 µm film thickness) Agilent J&W

Flow: Constant at 1 ml/min
Injector: 280 °C (Splitless Injection)
Ionization: EI+
Detector: 280 °C
SIR at 10,000 mass resolving power

Oven: 150 °C (1 min)
12 °C/min to 200 °C
3 °C/min to 235 °C
235 °C (8 min)
8 °C/min to 310 °C
310 °C (8 min)

WELLINGTON
LABORATORIES

CERTIFICATE OF ANALYSIS
DOCUMENTATION

EPA-1613CVS

U.S. EPA Method 1613 Calibration and Verification Solutions plus Supplemental Calibration Solutions EPA-1613CSL & EPA-1613CS0.5

PRODUCT CODES:		**LOT NUMBERS:**
EPA-1613CVS		(see below)
EPA-1613CS1		13CS11019
EPA-1613CS2		13CS21019
EPA-1613CS3		13CS31019
EPA-1613CS4		13CS41019
EPA-1613CS5		13CS51019

Note: EPA-1613CSL and EPA-1613CS0.5 are lower level extensions to this calibration set that must be ordered separately.

EPA-1613CS0.5	13CS0.51019
EPA-1613CSL	13CSL1019

SOLVENT(S): Nonane/Toluene
DATE PREPARED: (mm/dd/yyyy) 10/22/2019
LAST TESTED: (mm/dd/yyyy) 10/24/2019
EXPIRY DATE: (mm/dd/yyyy) 10/24/2026
RECOMMENDED STORAGE: Store ampoules in a cool, dark place

I005456
1613 CS1 CAL STD
Expires 10/24/2026
Prepared By Joshua Rains 6/23/2020

DESCRIPTION:

EPA-1613CVS is a series of 5 calibration solutions containing native ($^{12}C_{12}$) and mass-labelled ($^{13}C_{12}$ and $^{37}Cl_4$) chlorinated dibenzo-p-dioxins (PCDDs) and dibenzofurans (PCDFs). The components of each solution, and their concentrations, are given in Table A.

They were designed for, and prepared to be used according to, U.S. EPA Method 1613 (Revision B). They are to be used as received.

EPA-1613CSL and EPA-1613CS0.5 are lower level extensions to EPA-1613CVS. Neither is required by the method, but either or both can be used to extend the calibration to lower levels.

The individual native PCDDs and PCDFs all have chemical purities of >98%. The individual ^{13}C-labelled PCDDs and PCDFs all have chemical purities of >98% and isotopic purities of ≥99%. The 2,3,7,8-$^{37}Cl_4$-Tetrachlorodibenzo-p-dioxin has a chemical purity of >98% and an isotopic (^{37}Cl) purity of ≥95%.

FOR LABORATORY USE ONLY: NOT FOR HUMAN OR DRUG USE

DOCUMENTATION/ DATA ATTACHED:

Table A: Components and Concentrations
Table B: 5-point HRGC/HRMS Calibration and RRF Summary
Table C: 7-point HRGC/HRMS Calibration and RRF Summary
Figure 1: HRGC/HRMS Data for EPA-1613CS3 (SIR; 10,000 mass resolving power)

ADDITIONAL INFORMATION:

- See page 3 for further details.

INTENDED USE:

The products prepared by Wellington Laboratories Inc. are for laboratory use only. This certified reference material (CRM) was designed to be used as a series of standards for the identification and quantification of specific chemical compounds.

HANDLING:

This product should only be used by qualified personnel familiar with its potential hazards and trained in the handling of hazardous chemicals. Due care should be exercised to prevent unnecessary human contact or ingestion. All procedures should be carried out in a well-functioning fume hood and suitable gloves, eye protection, and clothing should be worn at all times. Waste should be disposed of according to national and regional regulations. Safety Data Sheets (SDSs) are available upon request.

SYNTHESIS / CHARACTERIZATION:

Our products are synthesized using single-product unambiguous routes whenever possible. They are then characterized, and their structures and purities confirmed, using a combination of the most relevant techniques, such as NMR, GC/MS, LC/MS/MS, SFC/UV/MS/MS, x-ray crystallography, and melting point. Isotopic purities of mass-labelled compounds are also confirmed using HRGC/HRMS and/or LC/MS/MS.

HOMOGENEITY:

Prior to solution preparation, crystalline material is tested for homogeneity using a variety of techniques (as stated above) and its solubility in a given diluent is taken into consideration. Duplicate solutions of a new product are prepared from the same crystalline lot and, after the addition of an appropriate internal standard, they are compared by GC/MS, LC/MS/MS, and/or SFC/UV/MS/MS. The relative response factors of the analyte of interest in each solution are required to be <5% RSD. New solution lots of existing products, as well as mixtures and calibration solutions, are compared to older lots in a similar manner. This further confirms the homogeneity of the crystalline material as well as the stability and homogeneity of the solutions in the storage containers. In order to maintain the integrity of the assigned values, and associated uncertainty, the dilution or injection of a subsample of this product should be performed using calibrated measuring equipment.

UNCERTAINTY:

The maximum combined relative standard uncertainty of our reference standard solutions is calculated using the following equation:

The combined relative standard uncertainty, $u_c(y)$, of a value y and the uncertainty of the independent parameters x_1, x_2,...x_n on which it depends is:

$$u_c(y(x_1, x_2, \ldots x_n)) = \sqrt{\sum_{i=1}^{n} u(y, x_i)^2}$$

where x is expressed as a relative standard uncertainty of the individual parameter.

The individual uncertainties taken into account include those associated with weights (calibration of the balance) and volumes (calibration of the volumetric glassware). An expanded maximum combined percent relative uncertainty of ±5% (calculated with a coverage factor of 2 and a level of confidence of 95%) is stated on the Certificate of Analysis for all of our products.

TRACEABILITY:

All reference standard solutions are traceable to specific crystalline lots. The microbalances used for solution preparation are regularly calibrated by an external ISO/IEC 17025 accredited laboratory. In addition, their calibration is verified prior to each weighing using calibrated external weights traceable to an ISO/IEC 17025 accredited laboratory. All volumetric glassware used is calibrated, of Class A tolerance, and traceable to an ISO/IEC 17025 accredited laboratory. For certain products, traceability to international interlaboratory studies has also been established.

EXPIRY DATE / PERIOD OF VALIDITY:

Ongoing stability studies of this product have demonstrated stability in its composition and concentration, until the specified expiry date, in the unopened ampoule. Monitoring for any degradation or change in concentration of the listed analytes is performed on a routine basis.

LIMITED WARRANTY:

At the time of shipment, all products are warranted to be free of defects in material and workmanship and to conform to the stated technical and purity specifications.

QUALITY MANAGEMENT:

This product was produced using a Quality Management System registered to the latest versions of ISO 9001 by SAI Global, ISO/IEC 17025 by the Canadian Association for Laboratory Accreditation Inc. (CALA; A 1226), and ISO 17034 by ANSI-ASQ National Accreditation Board (ANAB; AR-1523).

CALA
Testing
Accreditation No. A1226

ANAB
ACCREDITED
ISO 17034
REFERENCE MATERIAL PRODUCER

For additional information or assistance concerning this or any other products from Wellington Laboratories Inc., please visit our website at www.well-labs.com or contact us directly at info@well-labs.com

Table A: EPA-1613CVS (with EPA-1613CSL and EPA-1613CS0.5); Components and Concentrations (ng/ml, ± 5% in nonane/toluene)

Compound	Concentration (ng/ml)						
Native PCDDs and PCDFs:	**CS1**	**CS2**	**CS3**	**CS4**	**CS5**	**CSL**	**CS0.5**
2,3,7,8-TCDD	0.5	2	10	40	200	0.1	0.25
2,3,7,8-TCDF	0.5	2	10	40	200	0.1	0.25
1,2,3,7,8-PeCDD	2.5	10	50	200	1000	0.5	1.25
1,2,3,7,8-PeCDF	2.5	10	50	200	1000	0.5	1.25
2,3,4,7,8-PeCDF	2.5	10	50	200	1000	0.5	1.25
1,2,3,4,7,8-HxCDD	2.5	10	50	200	1000	0.5	1.25
1,2,3,6,7,8-HxCDD	2.5	10	50	200	1000	0.5	1.25
1,2,3,7,8,9-HxCDD	2.5	10	50	200	1000	0.5	1.25
1,2,3,4,7,8-HxCDF	2.5	10	50	200	1000	0.5	1.25
1,2,3,6,7,8-HxCDF	2.5	10	50	200	1000	0.5	1.25
1,2,3,7,8,9-HxCDF	2.5	10	50	200	1000	0.5	1.25
2,3,4,6,7,8-HxCDF	2.5	10	50	200	1000	0.5	1.25
1,2,3,4,6,7,8-HpCDD	2.5	10	50	200	1000	0.5	1.25
1,2,3,4,6,7,8-HpCDF	2.5	10	50	200	1000	0.5	1.25
1,2,3,4,7,8,9-HpCDF	2.5	10	50	200	1000	0.5	1.25
OCDD	5.0	20	100	400	2000	1.0	2.5
OCDF	5.0	20	100	400	2000	1.0	2.5
Labelled PCDDs and PCDFs:							
$^{13}C_{12}$-2,3,7,8-TCDD	100	100	100	100	100	100	100
$^{13}C_{12}$-2,3,7,8-TCDF	100	100	100	100	100	100	100
$^{13}C_{12}$-1,2,3,7,8-PeCDD	100	100	100	100	100	100	100
$^{13}C_{12}$-1,2,3,7,8-PeCDF	100	100	100	100	100	100	100
$^{13}C_{12}$-2,3,4,7,8-PeCDF	100	100	100	100	100	100	100
$^{13}C_{12}$-1,2,3,4,7,8-HxCDD	100	100	100	100	100	100	100
$^{13}C_{12}$-1,2,3,6,7,8-HxCDD	100	100	100	100	100	100	100
$^{13}C_{12}$-1,2,3,4,7,8-HxCDF	100	100	100	100	100	100	100
$^{13}C_{12}$-1,2,3,6,7,8-HxCDF	100	100	100	100	100	100	100
$^{13}C_{12}$-1,2,3,7,8,9-HxCDF	100	100	100	100	100	100	100
$^{13}C_{12}$-2,3,4,6,7,8-HxCDF	100	100	100	100	100	100	100
$^{13}C_{12}$-1,2,3,4,6,7,8-HpCDD	100	100	100	100	100	100	100
$^{13}C_{12}$-1,2,3,4,6,7,8-HpCDF	100	100	100	100	100	100	100
$^{13}C_{12}$-1,2,3,4,7,8,9-HpCDF	100	100	100	100	100	100	100
$^{13}C_{12}$-OCDD	200	200	200	200	200	200	200
Cleanup Standard:							
$^{37}Cl_4$-2,3,7,8-TCDD	0.5	2	10	40	200	0.1	0.25
Internal Standards:							
$^{13}C_{12}$-1,2,3,4-TCDD	100	100	100	100	100	100	100
$^{13}C_{12}$-1,2,3,7,8,9-HxCDD	100	100	100	100	100	100	100
Percent toluene (v/v)	3.6%	3.7%	4.2%	6.1%	16.2%	3.6%	3.6%

Certified By: ____________________ **Date:** 10/25/2019
B.G. Chittim, General Manager (mm/dd/yyyy)

Table B: EPA-1613CVS; 5-point HRGC/HRMS Calibration and RRF Summary

Calibration RRF Summary				Calibration Standard				
Calibration Filename: 24oct_EPA1613CVS-CAL.QLD				CS1	CS2	CS3	CS4	CS5
Name	Mean	S. D.	%RSD	RRF#1	RRF#2	RRF#3	RRF#4	RRF#5
2,3,7,8-TCDF	0.93	0.013	1.4	0.92	0.95	0.93	0.92	0.95
1,2,3,7,8-PeCDF	0.93	0.015	1.6	0.92	0.92	0.93	0.93	0.95
2,3,4,7,8-PeCDF	1.04	0.019	1.8	1.03	1.02	1.05	1.05	1.07
1,2,3,4,7,8-HxCDF	0.96	0.035	3.7	0.94	0.92	0.98	0.99	1.00
1,2,3,6,7,8-HxCDF	0.93	0.013	1.4	0.92	0.94	0.94	0.91	0.94
2,3,4,6,7,8-HxCDF	0.96	0.022	2.3	0.95	0.94	0.97	0.97	0.99
1,2,3,7,8,9-HxCDF	0.89	0.021	2.4	0.87	0.88	0.90	0.90	0.92
1,2,3,4,6,7,8-HpCDF	0.91	0.011	1.2	0.90	0.90	0.90	0.92	0.92
1,2,3,4,7,8,9-HpCDF	0.91	0.010	1.1	0.90	0.90	0.92	0.91	0.92
OCDF	1.19	0.056	4.7	1.11	1.17	1.19	1.23	1.26
2,3,7,8-TCDD	1.05	0.023	2.2	1.01	1.06	1.05	1.05	1.07
1,2,3,7,8-PeCDD	0.97	0.018	1.9	0.95	0.95	0.98	0.97	0.99
1,2,3,4,7,8-HxCDD	1.00	0.019	1.9	1.01	1.00	1.00	0.96	1.01
1,2,3,6,7,8-HxCDD	0.98	0.032	3.2	0.93	0.98	0.99	1.01	1.01
1,2,3,7,8,9-HxCDD	0.97	0.016	1.6	0.95	0.96	0.98	0.99	0.98
1,2,3,4,6,7,8-HpCDD	1.01	0.025	2.5	1.01	0.97	1.02	1.03	1.04
OCDD	1.00	0.013	1.3	1.00	0.99	1.02	1.02	1.00
$^{13}C_{12}$-2,3,7,8-TCDF	1.57	0.047	3.0	1.52	1.55	1.55	1.57	1.65
$^{13}C_{12}$-1,2,3,7,8-PeCDF	1.21	0.078	6.5	1.13	1.20	1.17	1.20	1.34
$^{13}C_{12}$-2,3,4,7,8-PeCDF	1.17	0.081	6.9	1.09	1.15	1.13	1.17	1.31
$^{13}C_{12}$-1,2,3,4,7,8-HxCDF	1.33	0.020	1.5	1.35	1.33	1.33	1.32	1.30
$^{13}C_{12}$-1,2,3,6,7,8-HxCDF	1.51	0.034	2.2	1.47	1.48	1.53	1.53	1.54
$^{13}C_{12}$-2,3,4,6,7,8-HxCDF	1.38	0.012	0.9	1.38	1.38	1.40	1.37	1.36
$^{13}C_{12}$-1,2,3,7,8,9-HxCDF	1.19	0.014	1.2	1.18	1.16	1.20	1.19	1.20
$^{13}C_{12}$-1,2,3,4,6,7,8-HpCDF	1.31	0.033	2.5	1.31	1.26	1.33	1.31	1.35
$^{13}C_{12}$-1,2,3,4,7,8,9-HpCDF	1.08	0.046	4.3	1.06	1.03	1.09	1.08	1.15
$^{13}C_{12}$-2,3,7,8-TCDD	1.13	0.036	3.2	1.10	1.11	1.11	1.13	1.19
$^{13}C_{12}$-1,2,3,7,8-PeCDD	0.79	0.047	5.9	0.74	0.78	0.75	0.79	0.86
$^{13}C_{12}$-1,2,3,4,7,8-HxCDD	0.87	0.027	3.1	0.85	0.83	0.89	0.88	0.89
$^{13}C_{12}$-1,2,3,6,7,8-HxCDD	1.04	0.010	1.0	1.05	1.05	1.04	1.05	1.03
$^{13}C_{12}$-1,2,3,4,6,7,8-HpCDD	0.81	0.017	2.1	0.81	0.80	0.80	0.81	0.84
$^{13}C_{12}$-OCDD	0.74	0.055	7.4	0.70	0.70	0.73	0.72	0.83
$^{13}C_{12}$-1,2,3,4-TCDD	1.00	0.000	0.00	1.00	1.00	1.00	1.00	1.00
$^{13}C_{12}$-1,2,3,7,8,9-HxCDD	1.00	0.000	0.00	1.00	1.00	1.00	1.00	1.00
$^{37}Cl_4$-2,3,7,8-TCDD	0.97	0.026	2.6	0.95	0.94	0.99	0.99	0.99

<u>Table C:</u> EPA-1613CVS (with EPA-1613CSL and EPA-1613CS0.5); 7-point HRGC/HRMS Calibration and RRF Summary

Calibration RRF Summary				Calibration Standard						
Calibration Filename: 24oct_EPA1613CVS-CAL.QLD				CSL	CS0.5	CS1	CS2	CS3	CS4	CS5
Name	Mean	S. D.	%RSD	RRF#1	RRF#2	RRF#3	RRF#4	RRF#5	RRF#6	RRF#7
2,3,7,8-TCDF	0.92	0.045	4.8	0.96	0.83	0.92	0.95	0.93	0.92	0.95
1,2,3,7,8-PeCDF	0.93	0.013	1.4	0.94	0.92	0.92	0.92	0.93	0.93	0.95
2,3,4,7,8-PeCDF	1.02	0.058	5.7	0.90	1.00	1.03	1.02	1.05	1.05	1.07
1,2,3,4,7,8-HxCDF	0.96	0.029	3.0	0.96	0.97	0.94	0.92	0.98	0.99	1.00
1,2,3,6,7,8-HxCDF	0.92	0.030	3.3	0.90	0.86	0.92	0.94	0.94	0.91	0.94
2,3,4,6,7,8-HxCDF	0.94	0.047	5.0	0.87	0.89	0.95	0.94	0.97	0.97	0.99
1,2,3,7,8,9-HxCDF	0.88	0.029	3.3	0.83	0.88	0.87	0.88	0.90	0.90	0.92
1,2,3,4,6,7,8-HpCDF	0.90	0.033	3.7	0.83	0.93	0.90	0.90	0.90	0.92	0.92
1,2,3,4,7,8,9-HpCDF	0.91	0.018	1.9	0.89	0.94	0.90	0.90	0.92	0.91	0.92
OCDF	1.18	0.052	4.4	1.15	1.14	1.11	1.17	1.19	1.23	1.26
2,3,7,8-TCDD	1.03	0.051	5.0	1.03	0.92	1.01	1.06	1.05	1.05	1.07
1,2,3,7,8-PeCDD	0.95	0.042	4.4	0.87	0.98	0.95	0.95	0.98	0.97	0.99
1,2,3,4,7,8-HxCDD	0.97	0.066	6.8	0.83	0.98	1.01	1.00	1.00	0.96	1.01
1,2,3,6,7,8-HxCDD	0.96	0.044	4.5	0.90	0.92	0.93	0.98	0.99	1.01	1.01
1,2,3,7,8,9-HxCDD	0.94	0.054	5.7	0.83	0.92	0.95	0.96	0.98	0.99	0.98
1,2,3,4,6,7,8-HpCDD	1.01	0.033	3.3	0.95	1.03	1.01	0.97	1.02	1.03	1.04
OCDD	1.00	0.023	2.3	0.95	1.00	1.00	0.99	1.02	1.02	1.00
$^{13}C_{12}$-2,3,7,8-TCDF	1.56	0.042	2.7	1.52	1.54	1.52	1.55	1.55	1.57	1.65
$^{13}C_{12}$-1,2,3,7,8-PeCDF	1.20	0.066	5.5	1.18	1.17	1.13	1.20	1.17	1.20	1.34
$^{13}C_{12}$-2,3,4,7,8-PeCDF	1.16	0.071	6.1	1.12	1.13	1.09	1.15	1.13	1.17	1.31
$^{13}C_{12}$-1,2,3,4,7,8-HxCDF	1.33	0.018	1.4	1.32	1.35	1.35	1.33	1.33	1.32	1.30
$^{13}C_{12}$-1,2,3,6,7,8-HxCDF	1.53	0.045	3.0	1.60	1.56	1.47	1.48	1.53	1.53	1.54
$^{13}C_{12}$-2,3,4,6,7,8-HxCDF	1.39	0.019	1.4	1.39	1.42	1.38	1.38	1.40	1.37	1.36
$^{13}C_{12}$-1,2,3,7,8,9-HxCDF	1.19	0.012	1.0	1.19	1.19	1.18	1.16	1.20	1.19	1.20
$^{13}C_{12}$-1,2,3,4,6,7,8-HpCDF	1.31	0.028	2.2	1.30	1.33	1.31	1.26	1.33	1.31	1.35
$^{13}C_{12}$-1,2,3,4,7,8,9-HpCDF	1.07	0.045	4.2	1.02	1.08	1.06	1.03	1.09	1.08	1.15
$^{13}C_{12}$-2,3,7,8-TCDD	1.12	0.033	3.0	1.09	1.11	1.10	1.11	1.11	1.13	1.19
$^{13}C_{12}$-1,2,3,7,8-PeCDD	0.78	0.040	5.1	0.75	0.78	0.74	0.78	0.75	0.79	0.86
$^{13}C_{12}$-1,2,3,4,7,8-HxCDD	0.87	0.025	2.9	0.86	0.90	0.85	0.83	0.89	0.88	0.89
$^{13}C_{12}$-1,2,3,6,7,8-HxCDD	1.05	0.015	1.5	1.08	1.06	1.05	1.05	1.04	1.05	1.03
$^{13}C_{12}$-1,2,3,4,6,7,8-HpCDD	0.81	0.016	2.0	0.79	0.81	0.81	0.80	0.80	0.81	0.84
$^{13}C_{12}$-OCDD	0.73	0.046	6.3	0.71	0.72	0.70	0.70	0.73	0.72	0.83
$^{13}C_{12}$-1,2,3,4-TCDD	1.00	0.000	0.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
$^{13}C_{12}$-1,2,3,7,8,9-HxCDD	1.00	0.000	0.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
$^{37}Cl_4$-2,3,7,8-TCDD	0.97	0.053	5.4	0.90	1.07	0.95	0.94	0.99	0.99	0.99

Figure 1: **EPA-1613CS3; HRGC/HRMS Data (60 m DB-5 Column)**

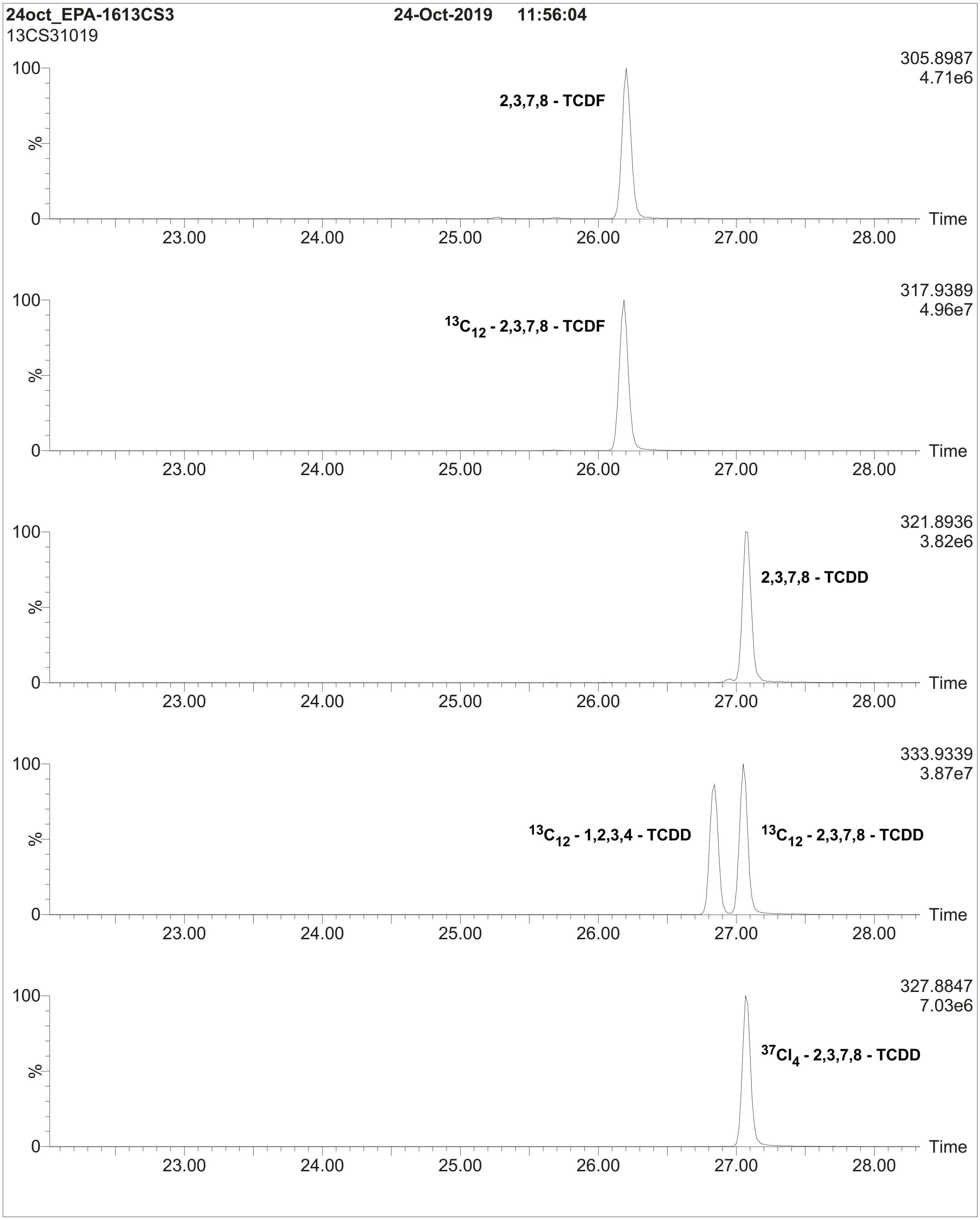


Figure 1: **EPA-1613CS3; HRGC/HRMS Data (60 m DB-5 Column)**

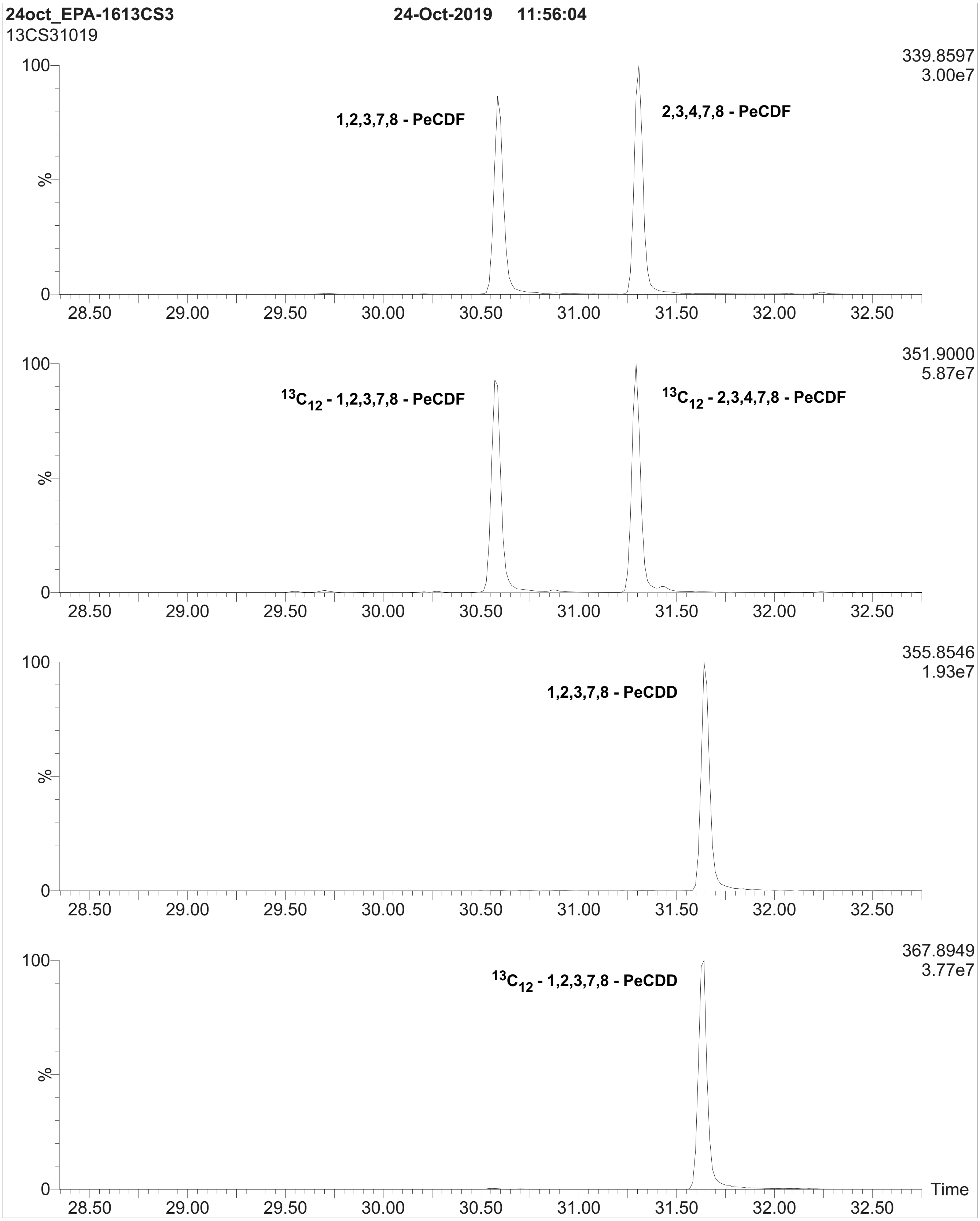


Figure 1: **EPA-1613CS3; HRGC/HRMS Data (60 m DB-5 Column)**

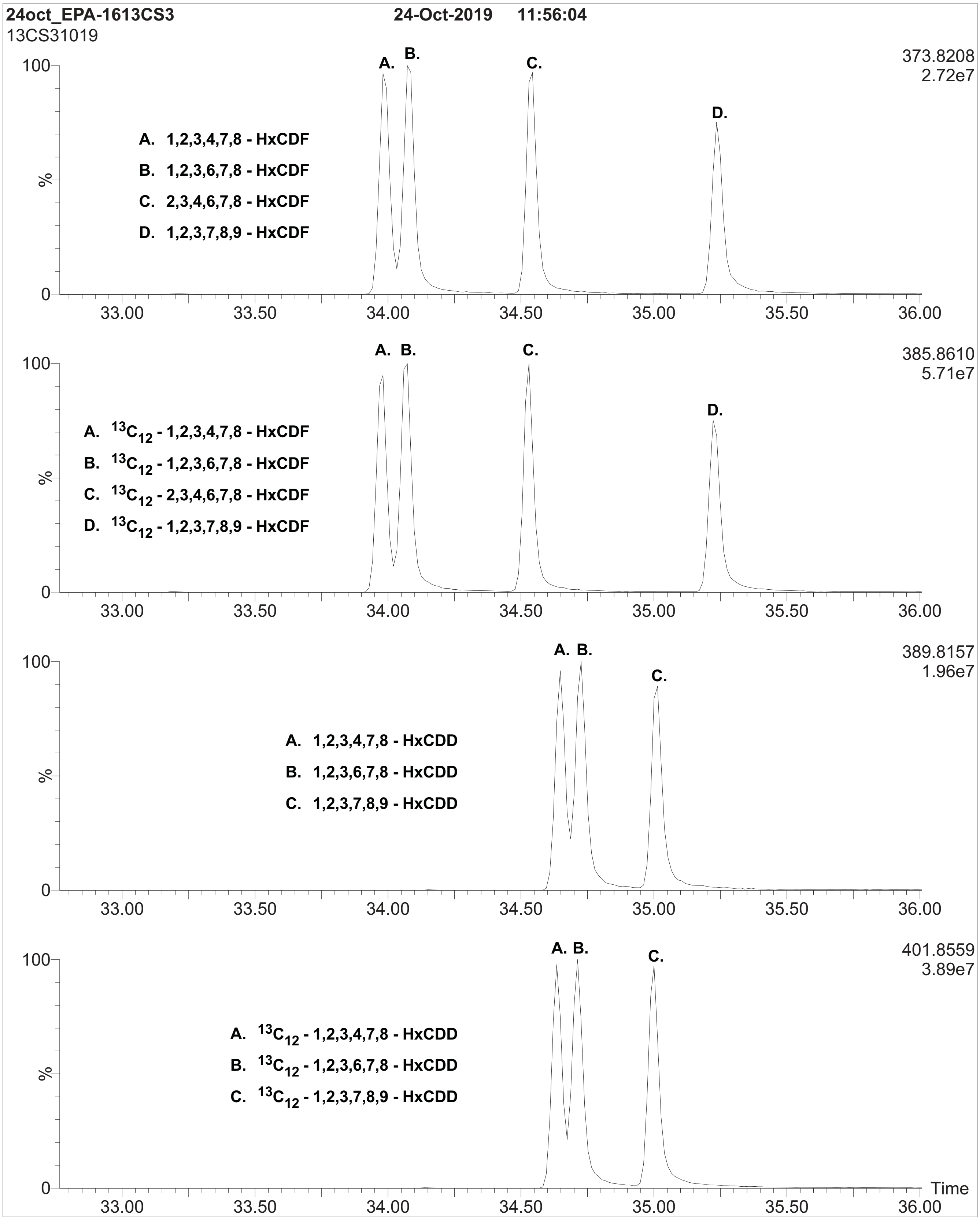


Figure 1: EPA-1613CS3; HRGC/HRMS Data (60 m DB-5 Column)

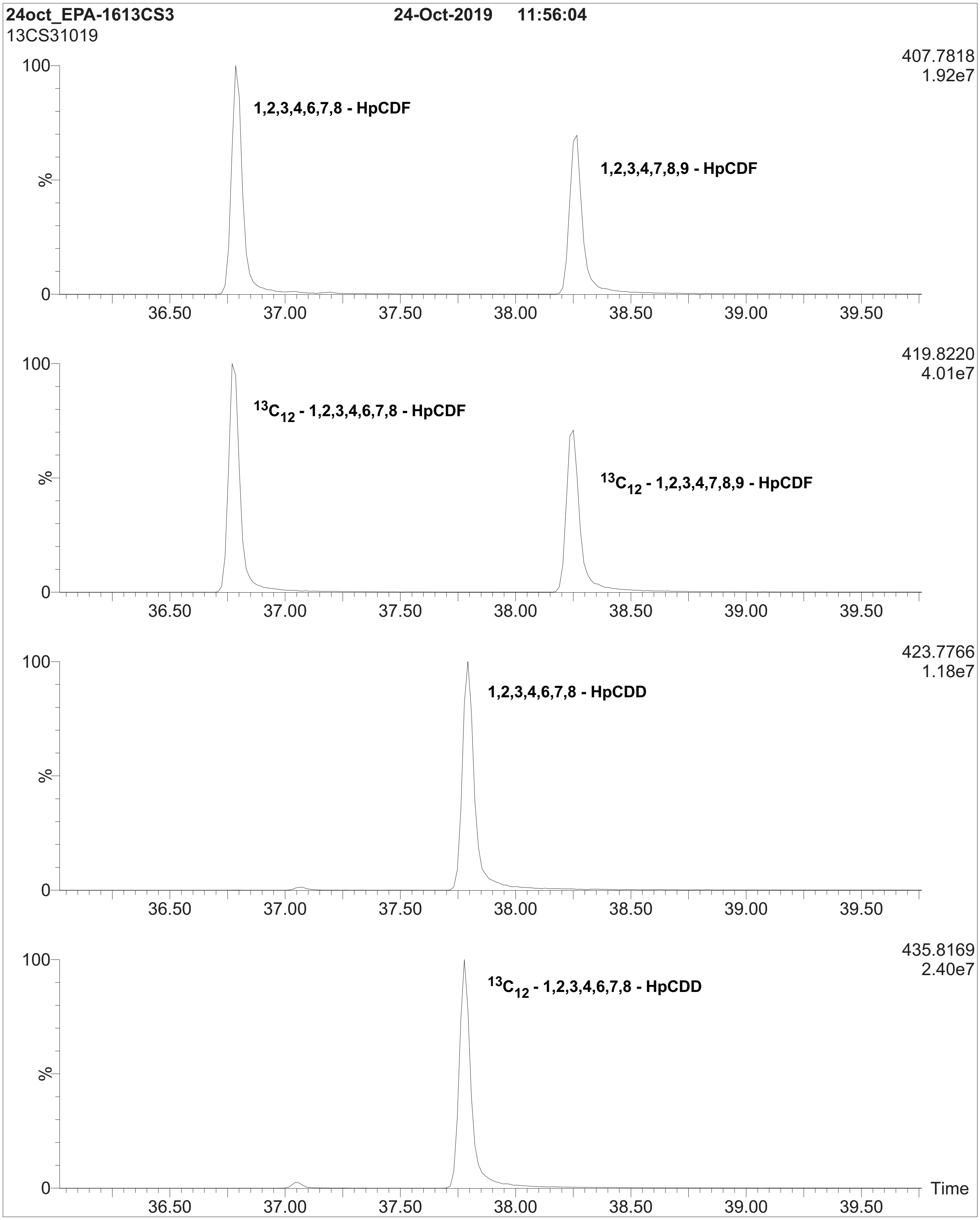
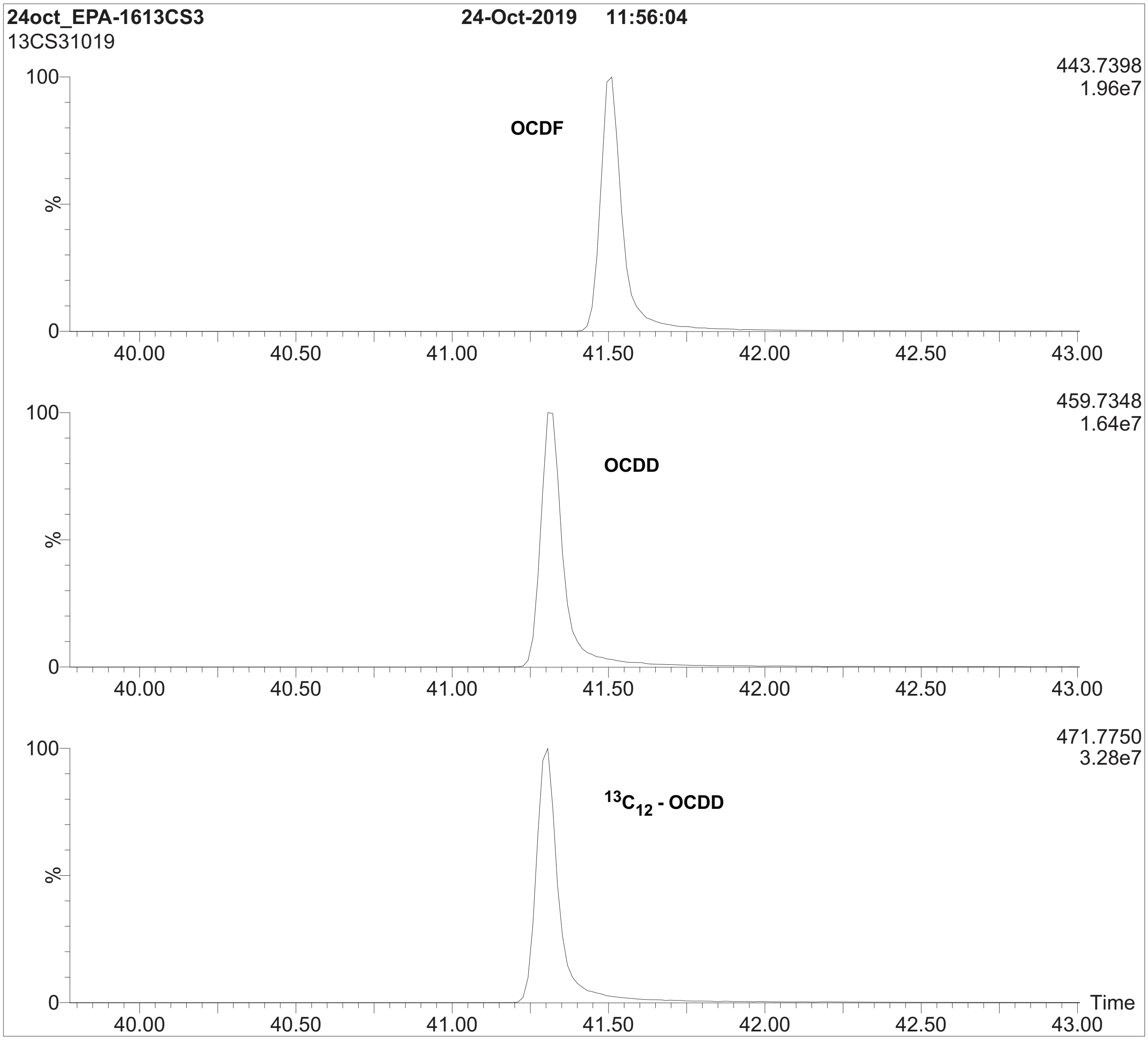


Figure 1: **EPA-1613CS3; HRGC/HRMS Data (60 m DB-5 Column)**



HRGC/HRMS:

Agilent 6890N (HRGC)
Autospec Ultima (HRMS)

Chromatographic Conditions:

Column: 60 m DB-5 (0.25 mm id, 0.25 µm film thickness) Agilent J&W

Flow: Constant at 1 ml/min
Injector: 280 °C (Splitless Injection)
Ionization: EI+
Detector: 280 °C
SIR at 10,000 mass resolving power

Oven:
150 °C (1 min)
12 °C/min to 200 °C
3 °C/min to 235 °C
235 °C (8 min)
8 °C/min to 310 °C
310 °C (8 min)

WELLINGTON
LABORATORIES

CERTIFICATE OF ANALYSIS
DOCUMENTATION

EPA-1613CVS
U.S. EPA Method 1613 Calibration and Verification Solutions plus Supplemental Calibration Solutions EPA-1613CSL & EPA-1613CS0.5

PRODUCT CODES:		**LOT NUMBERS:**	
	EPA-1613CVS		(see below)
	EPA-1613CS1		13CS11019
	EPA-1613CS2		13CS21019
	EPA-1613CS3		13CS31019
	EPA-1613CS4		13CS41019
	EPA-1613CS5		13CS51019

Note: EPA-1613CSL and EPA-1613CS0.5 are lower level extensions to this calibration set that must be ordered separately.

EPA-1613CS0.5	13CS0.51019
EPA-1613CSL	13CSL1019

SOLVENT(S):	Nonane/Toluene
DATE PREPARED: (mm/dd/yyyy)	10/22/2019
LAST TESTED: (mm/dd/yyyy)	10/24/2019
EXPIRY DATE: (mm/dd/yyyy)	10/24/2026
RECOMMENDED STORAGE:	Store ampoules in a cool, dark place

I005457
1613 CS2 CAL STD
Expires 10/24/2026
Prepared By Joshua Rains 6/23/2020

DESCRIPTION:

EPA-1613CVS is a series of 5 calibration solutions containing native ($^{12}C_{12}$) and mass-labelled ($^{13}C_{12}$ and $^{37}Cl_4$) chlorinated dibenzo-p-dioxins (PCDDs) and dibenzofurans (PCDFs). The components of each solution, and their concentrations, are given in Table A.

They were designed for, and prepared to be used according to, U.S. EPA Method 1613 (Revision B). They are to be used as received.

EPA-1613CSL and EPA-1613CS0.5 are lower level extensions to EPA-1613CVS. Neither is required by the method, but either or both can be used to extend the calibration to lower levels.

The individual native PCDDs and PCDFs all have chemical purities of >98%. The individual ^{13}C-labelled PCDDs and PCDFs all have chemical purities of >98% and isotopic purities of ≥99%. The 2,3,7,8-$^{37}Cl_4$-Tetrachlorodibenzo-p-dioxin has a chemical purity of >98% and an isotopic (^{37}Cl) purity of ≥95%.

FOR LABORATORY USE ONLY: NOT FOR HUMAN OR DRUG USE

DOCUMENTATION/ DATA ATTACHED:

Table A: Components and Concentrations
Table B: 5-point HRGC/HRMS Calibration and RRF Summary
Table C: 7-point HRGC/HRMS Calibration and RRF Summary
Figure 1: HRGC/HRMS Data for EPA-1613CS3 (SIR; 10,000 mass resolving power)

ADDITIONAL INFORMATION:

- See page 3 for further details.

INTENDED USE:

The products prepared by Wellington Laboratories Inc. are for laboratory use only. This certified reference material (CRM) was designed to be used as a series of standards for the identification and quantification of specific chemical compounds.

HANDLING:

This product should only be used by qualified personnel familiar with its potential hazards and trained in the handling of hazardous chemicals. Due care should be exercised to prevent unnecessary human contact or ingestion. All procedures should be carried out in a well-functioning fume hood and suitable gloves, eye protection, and clothing should be worn at all times. Waste should be disposed of according to national and regional regulations. Safety Data Sheets (SDSs) are available upon request.

SYNTHESIS / CHARACTERIZATION:

Our products are synthesized using single-product unambiguous routes whenever possible. They are then characterized, and their structures and purities confirmed, using a combination of the most relevant techniques, such as NMR, GC/MS, LC/MS/MS, SFC/UV/MS/MS, x-ray crystallography, and melting point. Isotopic purities of mass-labelled compounds are also confirmed using HRGC/HRMS and/or LC/MS/MS.

HOMOGENEITY:

Prior to solution preparation, crystalline material is tested for homogeneity using a variety of techniques (as stated above) and its solubility in a given diluent is taken into consideration. Duplicate solutions of a new product are prepared from the same crystalline lot and, after the addition of an appropriate internal standard, they are compared by GC/MS, LC/MS/MS, and/or SFC/UV/MS/MS. The relative response factors of the analyte of interest in each solution are required to be <5% RSD. New solution lots of existing products, as well as mixtures and calibration solutions, are compared to older lots in a similar manner. This further confirms the homogeneity of the crystalline material as well as the stability and homogeneity of the solutions in the storage containers. In order to maintain the integrity of the assigned values, and associated uncertainty, the dilution or injection of a subsample of this product should be performed using calibrated measuring equipment.

UNCERTAINTY:

The maximum combined relative standard uncertainty of our reference standard solutions is calculated using the following equation:

The combined relative standard uncertainty, $u_c(y)$, of a value y and the uncertainty of the independent parameters x_1, x_2,...x_n on which it depends is:

$$u_c(y(x_1, x_2, ... x_n)) = \sqrt{\sum_{i=1}^{n} u(y, x_i)^2}$$

where x is expressed as a relative standard uncertainty of the individual parameter.

The individual uncertainties taken into account include those associated with weights (calibration of the balance) and volumes (calibration of the volumetric glassware). An expanded maximum combined percent relative uncertainty of ±5% (calculated with a coverage factor of 2 and a level of confidence of 95%) is stated on the Certificate of Analysis for all of our products.

TRACEABILITY:

All reference standard solutions are traceable to specific crystalline lots. The microbalances used for solution preparation are regularly calibrated by an external ISO/IEC 17025 accredited laboratory. In addition, their calibration is verified prior to each weighing using calibrated external weights traceable to an ISO/IEC 17025 accredited laboratory. All volumetric glassware used is calibrated, of Class A tolerance, and traceable to an ISO/IEC 17025 accredited laboratory. For certain products, traceability to international interlaboratory studies has also been established.

EXPIRY DATE / PERIOD OF VALIDITY:

Ongoing stability studies of this product have demonstrated stability in its composition and concentration, until the specified expiry date, in the unopened ampoule. Monitoring for any degradation or change in concentration of the listed analytes is performed on a routine basis.

LIMITED WARRANTY:

At the time of shipment, all products are warranted to be free of defects in material and workmanship and to conform to the stated technical and purity specifications.

QUALITY MANAGEMENT:

This product was produced using a Quality Management System registered to the latest versions of ISO 9001 by SAI Global, ISO/IEC 17025 by the Canadian Association for Laboratory Accreditation Inc. (CALA; A 1226), and ISO 17034 by ANSI-ASQ National Accreditation Board (ANAB; AR-1523).

CALA
Testing
Accreditation No. A1226

ANAB
ACCREDITED
ISO 17034
REFERENCE MATERIAL PRODUCER

For additional information or assistance concerning this or any other products from Wellington Laboratories Inc., please visit our website at www.well-labs.com or contact us directly at info@well-labs.com

Table A: EPA-1613CVS (with EPA-1613CSL and EPA-1613CS0.5); Components and Concentrations (ng/ml, ± 5% in nonane/toluene)

Compound	Concentration (ng/ml)						
Native PCDDs and PCDFs:	**CS1**	**CS2**	**CS3**	**CS4**	**CS5**	**CSL**	**CS0.5**
2,3,7,8-TCDD	0.5	2	10	40	200	0.1	0.25
2,3,7,8-TCDF	0.5	2	10	40	200	0.1	0.25
1,2,3,7,8-PeCDD	2.5	10	50	200	1000	0.5	1.25
1,2,3,7,8-PeCDF	2.5	10	50	200	1000	0.5	1.25
2,3,4,7,8-PeCDF	2.5	10	50	200	1000	0.5	1.25
1,2,3,4,7,8-HxCDD	2.5	10	50	200	1000	0.5	1.25
1,2,3,6,7,8-HxCDD	2.5	10	50	200	1000	0.5	1.25
1,2,3,7,8,9-HxCDD	2.5	10	50	200	1000	0.5	1.25
1,2,3,4,7,8-HxCDF	2.5	10	50	200	1000	0.5	1.25
1,2,3,6,7,8-HxCDF	2.5	10	50	200	1000	0.5	1.25
1,2,3,7,8,9-HxCDF	2.5	10	50	200	1000	0.5	1.25
2,3,4,6,7,8-HxCDF	2.5	10	50	200	1000	0.5	1.25
1,2,3,4,6,7,8-HpCDD	2.5	10	50	200	1000	0.5	1.25
1,2,3,4,6,7,8-HpCDF	2.5	10	50	200	1000	0.5	1.25
1,2,3,4,7,8,9-HpCDF	2.5	10	50	200	1000	0.5	1.25
OCDD	5.0	20	100	400	2000	1.0	2.5
OCDF	5.0	20	100	400	2000	1.0	2.5
Labelled PCDDs and PCDFs:							
$^{13}C_{12}$-2,3,7,8-TCDD	100	100	100	100	100	100	100
$^{13}C_{12}$-2,3,7,8-TCDF	100	100	100	100	100	100	100
$^{13}C_{12}$-1,2,3,7,8-PeCDD	100	100	100	100	100	100	100
$^{13}C_{12}$-1,2,3,7,8-PeCDF	100	100	100	100	100	100	100
$^{13}C_{12}$-2,3,4,7,8-PeCDF	100	100	100	100	100	100	100
$^{13}C_{12}$-1,2,3,4,7,8-HxCDD	100	100	100	100	100	100	100
$^{13}C_{12}$-1,2,3,6,7,8-HxCDD	100	100	100	100	100	100	100
$^{13}C_{12}$-1,2,3,4,7,8-HxCDF	100	100	100	100	100	100	100
$^{13}C_{12}$-1,2,3,6,7,8-HxCDF	100	100	100	100	100	100	100
$^{13}C_{12}$-1,2,3,7,8,9-HxCDF	100	100	100	100	100	100	100
$^{13}C_{12}$-2,3,4,6,7,8-HxCDF	100	100	100	100	100	100	100
$^{13}C_{12}$-1,2,3,4,6,7,8-HpCDD	100	100	100	100	100	100	100
$^{13}C_{12}$-1,2,3,4,6,7,8-HpCDF	100	100	100	100	100	100	100
$^{13}C_{12}$-1,2,3,4,7,8,9-HpCDF	100	100	100	100	100	100	100
$^{13}C_{12}$-OCDD	200	200	200	200	200	200	200
Cleanup Standard:							
$^{37}Cl_4$-2,3,7,8-TCDD	0.5	2	10	40	200	0.1	0.25
Internal Standards:							
$^{13}C_{12}$-1,2,3,4-TCDD	100	100	100	100	100	100	100
$^{13}C_{12}$-1,2,3,7,8,9-HxCDD	100	100	100	100	100	100	100
Percent toluene (v/v)	3.6%	3.7%	4.2%	6.1%	16.2%	3.6%	3.6%

Certified By: ____________________
B.G. Chittim, General Manager

Date: 10/25/2019
(mm/dd/yyyy)

Table B: EPA-1613CVS; 5-point HRGC/HRMS Calibration and RRF Summary

Calibration RRF Summary				Calibration Standard				
Calibration Filename: 24oct_EPA1613CVS-CAL.QLD				CS1	CS2	CS3	CS4	CS5
Name	Mean	S. D.	%RSD	RRF#1	RRF#2	RRF#3	RRF#4	RRF#5
2,3,7,8-TCDF	0.93	0.013	1.4	0.92	0.95	0.93	0.92	0.95
1,2,3,7,8-PeCDF	0.93	0.015	1.6	0.92	0.92	0.93	0.93	0.95
2,3,4,7,8-PeCDF	1.04	0.019	1.8	1.03	1.02	1.05	1.05	1.07
1,2,3,4,7,8-HxCDF	0.96	0.035	3.7	0.94	0.92	0.98	0.99	1.00
1,2,3,6,7,8-HxCDF	0.93	0.013	1.4	0.92	0.94	0.94	0.91	0.94
2,3,4,6,7,8-HxCDF	0.96	0.022	2.3	0.95	0.94	0.97	0.97	0.99
1,2,3,7,8,9-HxCDF	0.89	0.021	2.4	0.87	0.88	0.90	0.90	0.92
1,2,3,4,6,7,8-HpCDF	0.91	0.011	1.2	0.90	0.90	0.90	0.92	0.92
1,2,3,4,7,8,9-HpCDF	0.91	0.010	1.1	0.90	0.90	0.92	0.91	0.92
OCDF	1.19	0.056	4.7	1.11	1.17	1.19	1.23	1.26
2,3,7,8-TCDD	1.05	0.023	2.2	1.01	1.06	1.05	1.05	1.07
1,2,3,7,8-PeCDD	0.97	0.018	1.9	0.95	0.95	0.98	0.97	0.99
1,2,3,4,7,8-HxCDD	1.00	0.019	1.9	1.01	1.00	1.00	0.96	1.01
1,2,3,6,7,8-HxCDD	0.98	0.032	3.2	0.93	0.98	0.99	1.01	1.01
1,2,3,7,8,9-HxCDD	0.97	0.016	1.6	0.95	0.96	0.98	0.99	0.98
1,2,3,4,6,7,8-HpCDD	1.01	0.025	2.5	1.01	0.97	1.02	1.03	1.04
OCDD	1.00	0.013	1.3	1.00	0.99	1.02	1.02	1.00
$^{13}C_{12}$-2,3,7,8-TCDF	1.57	0.047	3.0	1.52	1.55	1.55	1.57	1.65
$^{13}C_{12}$-1,2,3,7,8-PeCDF	1.21	0.078	6.5	1.13	1.20	1.17	1.20	1.34
$^{13}C_{12}$-2,3,4,7,8-PeCDF	1.17	0.081	6.9	1.09	1.15	1.13	1.17	1.31
$^{13}C_{12}$-1,2,3,4,7,8-HxCDF	1.33	0.020	1.5	1.35	1.33	1.33	1.32	1.30
$^{13}C_{12}$-1,2,3,6,7,8-HxCDF	1.51	0.034	2.2	1.47	1.48	1.53	1.53	1.54
$^{13}C_{12}$-2,3,4,6,7,8-HxCDF	1.38	0.012	0.9	1.38	1.38	1.40	1.37	1.36
$^{13}C_{12}$-1,2,3,7,8,9-HxCDF	1.19	0.014	1.2	1.18	1.16	1.20	1.19	1.20
$^{13}C_{12}$-1,2,3,4,6,7,8-HpCDF	1.31	0.033	2.5	1.31	1.26	1.33	1.31	1.35
$^{13}C_{12}$-1,2,3,4,7,8,9-HpCDF	1.08	0.046	4.3	1.06	1.03	1.09	1.08	1.15
$^{13}C_{12}$-2,3,7,8-TCDD	1.13	0.036	3.2	1.10	1.11	1.11	1.13	1.19
$^{13}C_{12}$-1,2,3,7,8-PeCDD	0.79	0.047	5.9	0.74	0.78	0.75	0.79	0.86
$^{13}C_{12}$-1,2,3,4,7,8-HxCDD	0.87	0.027	3.1	0.85	0.83	0.89	0.88	0.89
$^{13}C_{12}$-1,2,3,6,7,8-HxCDD	1.04	0.010	1.0	1.05	1.05	1.04	1.05	1.03
$^{13}C_{12}$-1,2,3,4,6,7,8-HpCDD	0.81	0.017	2.1	0.81	0.80	0.80	0.81	0.84
$^{13}C_{12}$-OCDD	0.74	0.055	7.4	0.70	0.70	0.73	0.72	0.83
$^{13}C_{12}$-1,2,3,4-TCDD	1.00	0.000	0.00	1.00	1.00	1.00	1.00	1.00
$^{13}C_{12}$-1,2,3,7,8,9-HxCDD	1.00	0.000	0.00	1.00	1.00	1.00	1.00	1.00
$^{37}Cl_4$-2,3,7,8-TCDD	0.97	0.026	2.6	0.95	0.94	0.99	0.99	0.99

Table C: EPA-1613CVS (with EPA-1613CSL and EPA-1613CS0.5); 7-point HRGC/HRMS Calibration and RRF Summary

Calibration RRF Summary				Calibration Standard						
Calibration Filename: 24oct_EPA1613CVS-CAL.QLD				CSL	CS0.5	CS1	CS2	CS3	CS4	CS5
Name	Mean	S. D.	%RSD	RRF#1	RRF#2	RRF#3	RRF#4	RRF#5	RRF#6	RRF#7
2,3,7,8-TCDF	0.92	0.045	4.8	0.96	0.83	0.92	0.95	0.93	0.92	0.95
1,2,3,7,8-PeCDF	0.93	0.013	1.4	0.94	0.92	0.92	0.92	0.93	0.93	0.95
2,3,4,7,8-PeCDF	1.02	0.058	5.7	0.90	1.00	1.03	1.02	1.05	1.05	1.07
1,2,3,4,7,8-HxCDF	0.96	0.029	3.0	0.96	0.97	0.94	0.92	0.98	0.99	1.00
1,2,3,6,7,8-HxCDF	0.92	0.030	3.3	0.90	0.86	0.92	0.94	0.94	0.91	0.94
2,3,4,6,7,8-HxCDF	0.94	0.047	5.0	0.87	0.89	0.95	0.94	0.97	0.97	0.99
1,2,3,7,8,9-HxCDF	0.88	0.029	3.3	0.83	0.88	0.87	0.88	0.90	0.90	0.92
1,2,3,4,6,7,8-HpCDF	0.90	0.033	3.7	0.83	0.93	0.90	0.90	0.90	0.92	0.92
1,2,3,4,7,8,9-HpCDF	0.91	0.018	1.9	0.89	0.94	0.90	0.90	0.92	0.91	0.92
OCDF	1.18	0.052	4.4	1.15	1.14	1.11	1.17	1.19	1.23	1.26
2,3,7,8-TCDD	1.03	0.051	5.0	1.03	0.92	1.01	1.06	1.05	1.05	1.07
1,2,3,7,8-PeCDD	0.95	0.042	4.4	0.87	0.98	0.95	0.95	0.98	0.97	0.99
1,2,3,4,7,8-HxCDD	0.97	0.066	6.8	0.83	0.98	1.01	1.00	1.00	0.96	1.01
1,2,3,6,7,8-HxCDD	0.96	0.044	4.5	0.90	0.92	0.93	0.98	0.99	1.01	1.01
1,2,3,7,8,9-HxCDD	0.94	0.054	5.7	0.83	0.92	0.95	0.96	0.98	0.99	0.98
1,2,3,4,6,7,8-HpCDD	1.01	0.033	3.3	0.95	1.03	1.01	0.97	1.02	1.03	1.04
OCDD	1.00	0.023	2.3	0.95	1.00	1.00	0.99	1.02	1.02	1.00
$^{13}C_{12}$-2,3,7,8-TCDF	1.56	0.042	2.7	1.52	1.54	1.52	1.55	1.55	1.57	1.65
$^{13}C_{12}$-1,2,3,7,8-PeCDF	1.20	0.066	5.5	1.18	1.17	1.13	1.20	1.17	1.20	1.34
$^{13}C_{12}$-2,3,4,7,8-PeCDF	1.16	0.071	6.1	1.12	1.13	1.09	1.15	1.13	1.17	1.31
$^{13}C_{12}$-1,2,3,4,7,8-HxCDF	1.33	0.018	1.4	1.32	1.35	1.35	1.33	1.33	1.32	1.30
$^{13}C_{12}$-1,2,3,6,7,8-HxCDF	1.53	0.045	3.0	1.60	1.56	1.47	1.48	1.53	1.53	1.54
$^{13}C_{12}$-2,3,4,6,7,8-HxCDF	1.39	0.019	1.4	1.39	1.42	1.38	1.38	1.40	1.37	1.36
$^{13}C_{12}$-1,2,3,7,8,9-HxCDF	1.19	0.012	1.0	1.19	1.19	1.18	1.16	1.20	1.19	1.20
$^{13}C_{12}$-1,2,3,4,6,7,8-HpCDF	1.31	0.028	2.2	1.30	1.33	1.31	1.26	1.33	1.31	1.35
$^{13}C_{12}$-1,2,3,4,7,8,9-HpCDF	1.07	0.045	4.2	1.02	1.08	1.06	1.03	1.09	1.08	1.15
$^{13}C_{12}$-2,3,7,8-TCDD	1.12	0.033	3.0	1.09	1.11	1.10	1.11	1.11	1.13	1.19
$^{13}C_{12}$-1,2,3,7,8-PeCDD	0.78	0.040	5.1	0.75	0.78	0.74	0.78	0.75	0.79	0.86
$^{13}C_{12}$-1,2,3,4,7,8-HxCDD	0.87	0.025	2.9	0.86	0.90	0.85	0.83	0.89	0.88	0.89
$^{13}C_{12}$-1,2,3,6,7,8-HxCDD	1.05	0.015	1.5	1.08	1.06	1.05	1.05	1.04	1.05	1.03
$^{13}C_{12}$-1,2,3,4,6,7,8-HpCDD	0.81	0.016	2.0	0.79	0.81	0.81	0.80	0.80	0.81	0.84
$^{13}C_{12}$-OCDD	0.73	0.046	6.3	0.71	0.72	0.70	0.70	0.73	0.72	0.83
$^{13}C_{12}$-1,2,3,4-TCDD	1.00	0.000	0.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
$^{13}C_{12}$-1,2,3,7,8,9-HxCDD	1.00	0.000	0.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
$^{37}Cl_{4}$-2,3,7,8-TCDD	0.97	0.053	5.4	0.90	1.07	0.95	0.94	0.99	0.99	0.99

Figure 1: **EPA-1613CS3; HRGC/HRMS Data (60 m DB-5 Column)**

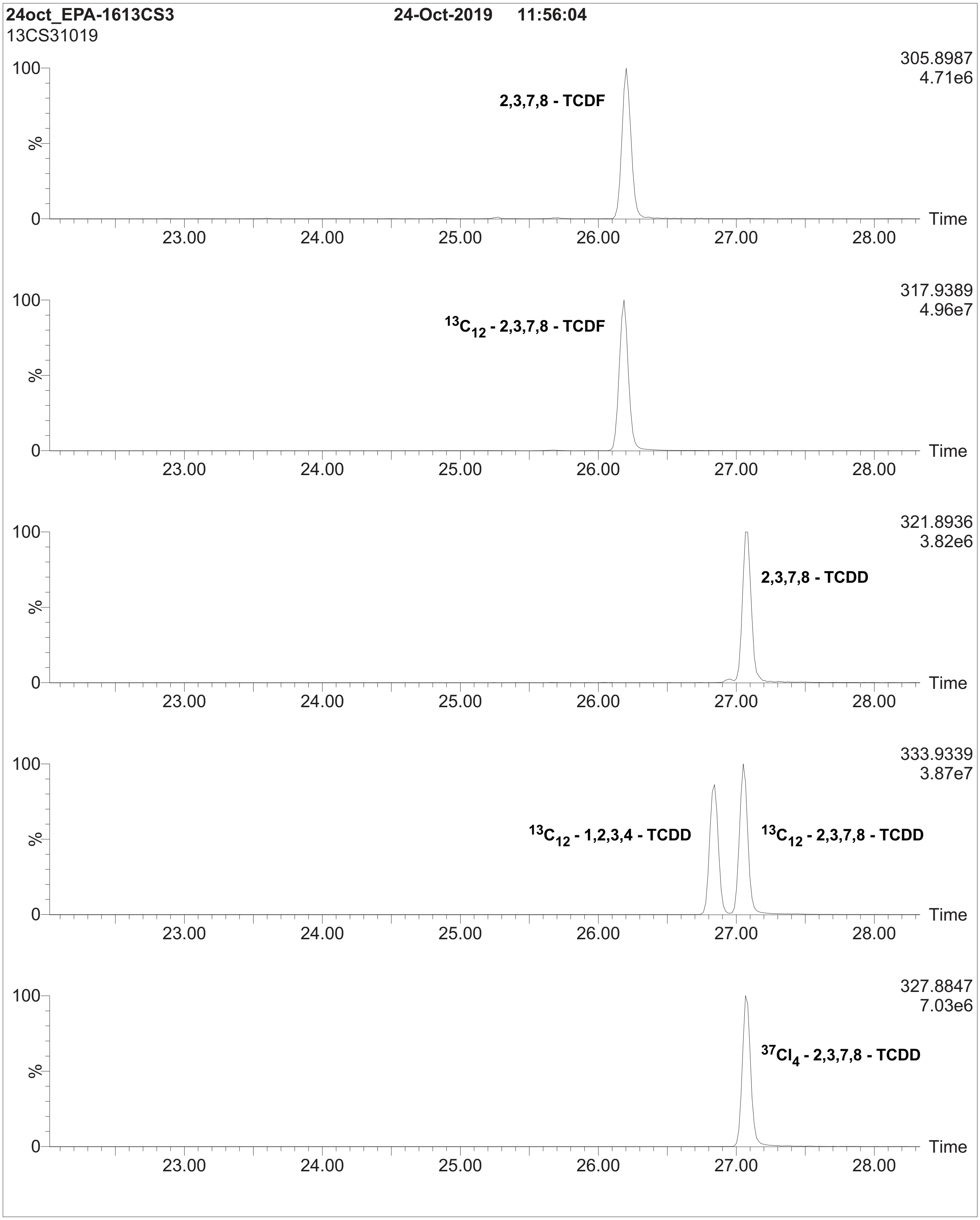


Figure 1: EPA-1613CS3; HRGC/HRMS Data (60 m DB-5 Column)

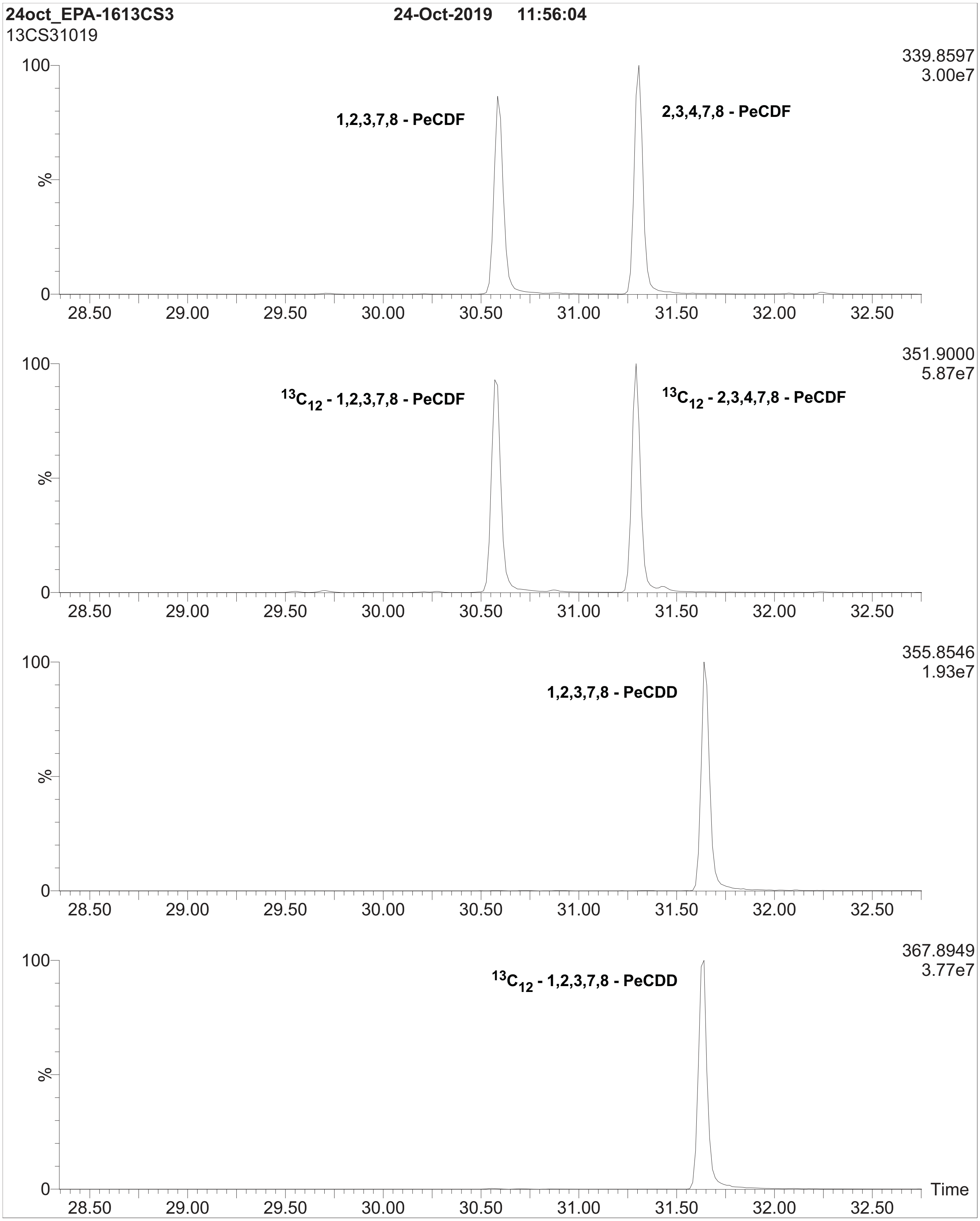


Figure 1: EPA-1613CS3; HRGC/HRMS Data (60 m DB-5 Column)

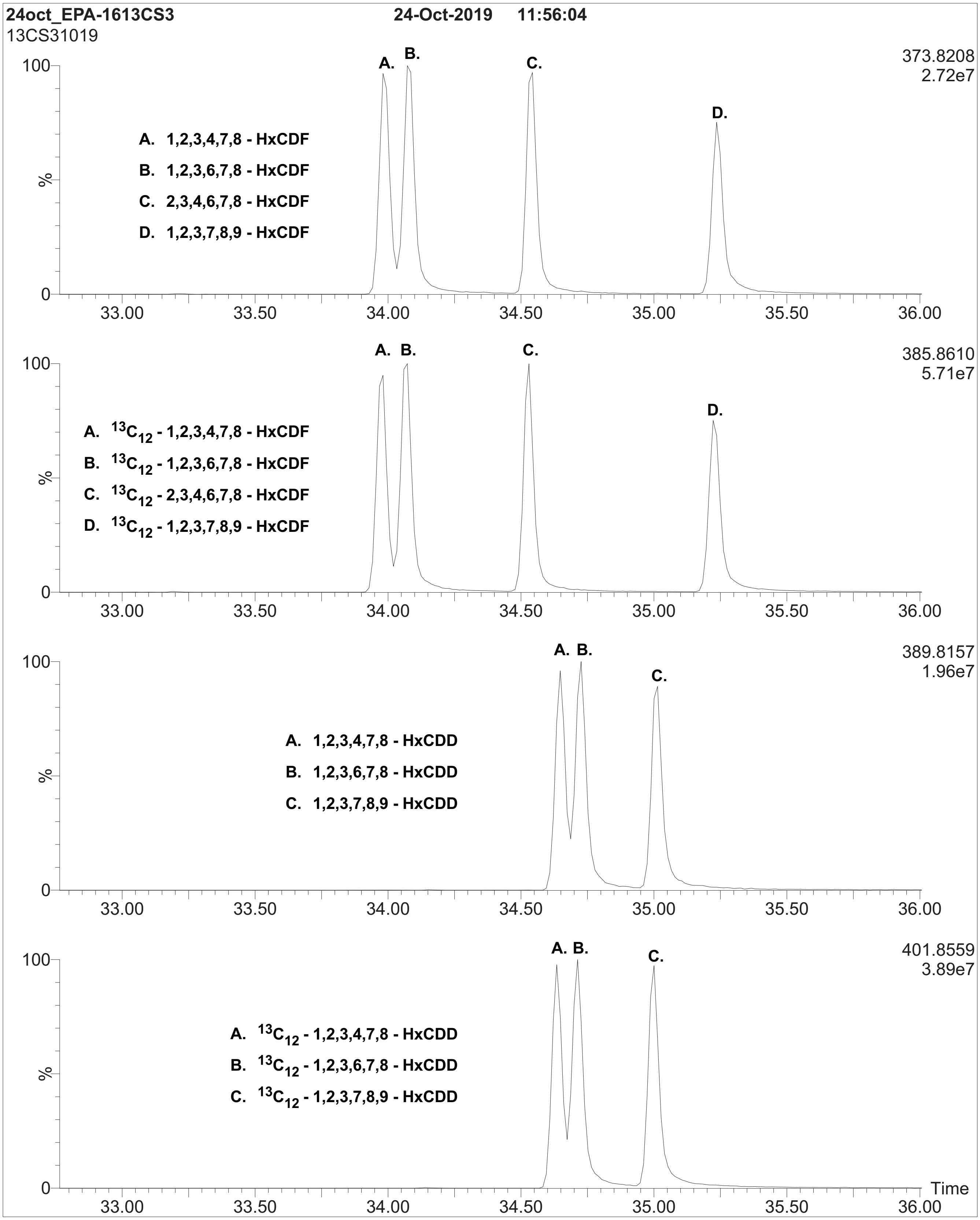


Figure 1: EPA-1613CS3; HRGC/HRMS Data (60 m DB-5 Column)

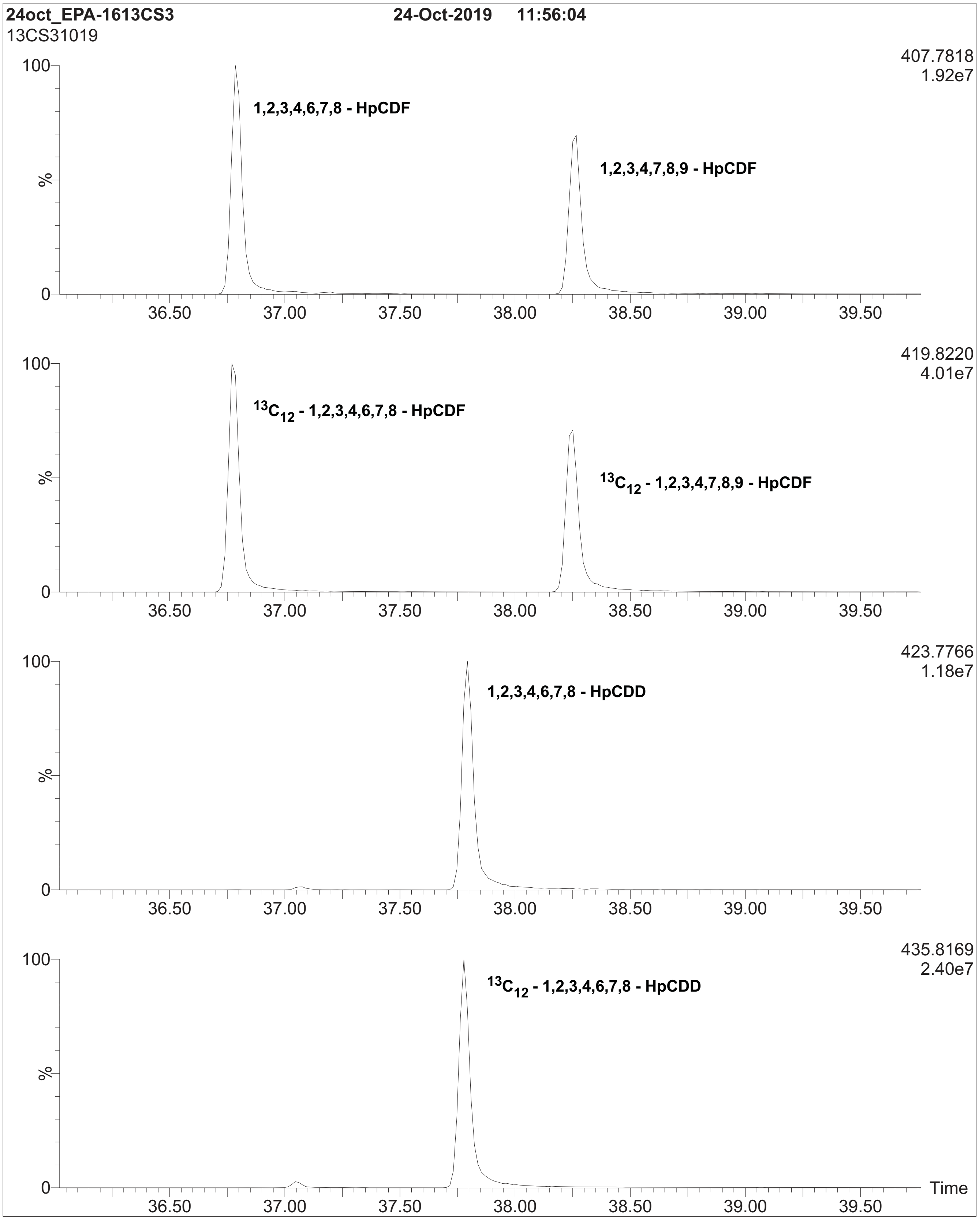
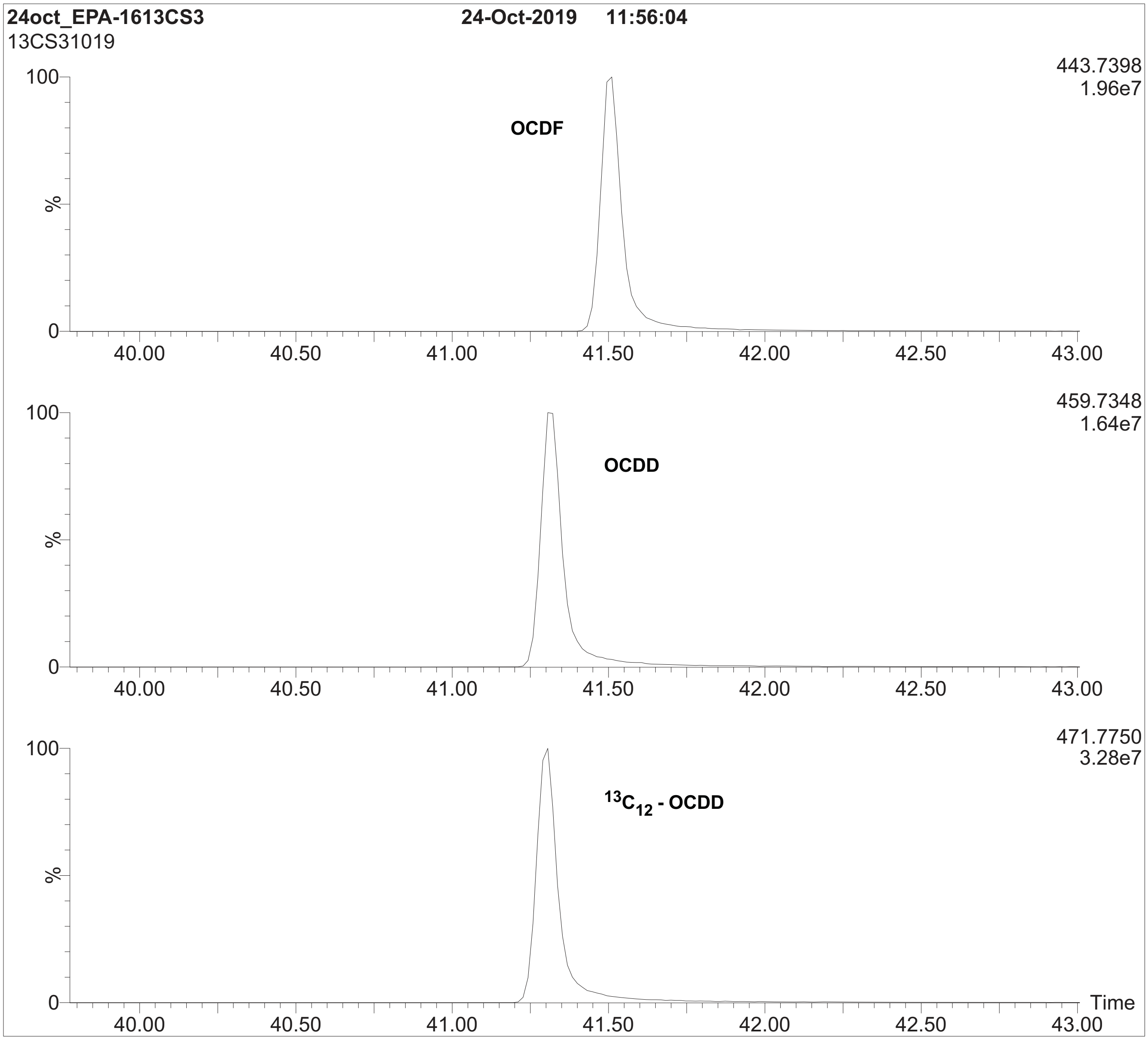


Figure 1: **EPA-1613CS3; HRGC/HRMS Data (60 m DB-5 Column)**



HRGC/HRMS:

Agilent 6890N (HRGC)
Autospec Ultima (HRMS)

Chromatographic Conditions:

Column: 60 m DB-5 (0.25 mm id, 0.25 µm film thickness) Agilent J&W

Flow: Constant at 1 ml/min
Injector: 280 °C (Splitless Injection)
Ionization: EI+
Detector: 280 °C
SIR at 10,000 mass resolving power

Oven: 150 °C (1 min)
12 °C/min to 200 °C
3 °C/min to 235 °C
235 °C (8 min)
8 °C/min to 310 °C
310 °C (8 min)

WELLINGTON
LABORATORIES

CERTIFICATE OF ANALYSIS
DOCUMENTATION

EPA-1613CVS

U.S. EPA Method 1613 Calibration and Verification Solutions plus Supplemental Calibration Solutions EPA-1613CSL & EPA-1613CS0.5

PRODUCT CODES:		**LOT NUMBERS:**	
	EPA-1613CVS		(see below)
	EPA-1613CS1		13CS11019
	EPA-1613CS2		13CS21019
	EPA-1613CS3		13CS31019
	EPA-1613CS4		13CS41019
	EPA-1613CS5		13CS51019

Note: EPA-1613CSL and EPA-1613CS0.5 are lower level extensions to this calibration set that must be ordered separately.

EPA-1613CS0.5	13CS0.51019
EPA-1613CSL	13CSL1019

SOLVENT(S):	Nonane/Toluene
DATE PREPARED: (mm/dd/yyyy)	10/22/2019
LAST TESTED: (mm/dd/yyyy)	10/24/2019
EXPIRY DATE: (mm/dd/yyyy)	10/24/2026
RECOMMENDED STORAGE:	Store ampoules in a cool, dark place

I005458
1613 CS4 CAL STD
Expires 10/24/2026
Prepared By Joshua Rains 6/23/2020

DESCRIPTION:

EPA-1613CVS is a series of 5 calibration solutions containing native ($^{12}C_{12}$) and mass-labelled ($^{13}C_{12}$ and $^{37}Cl_4$) chlorinated dibenzo-p-dioxins (PCDDs) and dibenzofurans (PCDFs). The components of each solution, and their concentrations, are given in Table A.

They were designed for, and prepared to be used according to, U.S. EPA Method 1613 (Revision B). They are to be used as received.

EPA-1613CSL and EPA-1613CS0.5 are lower level extensions to EPA-1613CVS. Neither is required by the method, but either or both can be used to extend the calibration to lower levels.

The individual native PCDDs and PCDFs all have chemical purities of >98%. The individual ^{13}C-labelled PCDDs and PCDFs all have chemical purities of >98% and isotopic purities of ≥99%. The 2,3,7,8-$^{37}Cl_4$-Tetrachlorodibenzo-p-dioxin has a chemical purity of >98% and an isotopic (^{37}Cl) purity of ≥95%.

FOR LABORATORY USE ONLY: NOT FOR HUMAN OR DRUG USE

DOCUMENTATION/ DATA ATTACHED:

Table A: Components and Concentrations
Table B: 5-point HRGC/HRMS Calibration and RRF Summary
Table C: 7-point HRGC/HRMS Calibration and RRF Summary
Figure 1: HRGC/HRMS Data for EPA-1613CS3 (SIR; 10,000 mass resolving power)

ADDITIONAL INFORMATION:

- See page 3 for further details.

INTENDED USE:

The products prepared by Wellington Laboratories Inc. are for laboratory use only. This certified reference material (CRM) was designed to be used as a series of standards for the identification and quantification of specific chemical compounds.

HANDLING:

This product should only be used by qualified personnel familiar with its potential hazards and trained in the handling of hazardous chemicals. Due care should be exercised to prevent unnecessary human contact or ingestion. All procedures should be carried out in a well-functioning fume hood and suitable gloves, eye protection, and clothing should be worn at all times. Waste should be disposed of according to national and regional regulations. Safety Data Sheets (SDSs) are available upon request.

SYNTHESIS / CHARACTERIZATION:

Our products are synthesized using single-product unambiguous routes whenever possible. They are then characterized, and their structures and purities confirmed, using a combination of the most relevant techniques, such as NMR, GC/MS, LC/MS/MS, SFC/UV/MS/MS, x-ray crystallography, and melting point. Isotopic purities of mass-labelled compounds are also confirmed using HRGC/HRMS and/or LC/MS/MS.

HOMOGENEITY:

Prior to solution preparation, crystalline material is tested for homogeneity using a variety of techniques (as stated above) and its solubility in a given diluent is taken into consideration. Duplicate solutions of a new product are prepared from the same crystalline lot and, after the addition of an appropriate internal standard, they are compared by GC/MS, LC/MS/MS, and/or SFC/UV/MS/MS. The relative response factors of the analyte of interest in each solution are required to be <5% RSD. New solution lots of existing products, as well as mixtures and calibration solutions, are compared to older lots in a similar manner. This further confirms the homogeneity of the crystalline material as well as the stability and homogeneity of the solutions in the storage containers. In order to maintain the integrity of the assigned values, and associated uncertainty, the dilution or injection of a subsample of this product should be performed using calibrated measuring equipment.

UNCERTAINTY:

The maximum combined relative standard uncertainty of our reference standard solutions is calculated using the following equation:

The combined relative standard uncertainty, $u_c(y)$, of a value y and the uncertainty of the independent parameters x_1, x_2,...x_n on which it depends is:

$$u_c(y(x_1, x_2, ...x_n)) = \sqrt{\sum_{i=1}^{n} u(y, x_i)^2}$$

where x is expressed as a relative standard uncertainty of the individual parameter.

The individual uncertainties taken into account include those associated with weights (calibration of the balance) and volumes (calibration of the volumetric glassware). An expanded maximum combined percent relative uncertainty of ±5% (calculated with a coverage factor of 2 and a level of confidence of 95%) is stated on the Certificate of Analysis for all of our products.

TRACEABILITY:

All reference standard solutions are traceable to specific crystalline lots. The microbalances used for solution preparation are regularly calibrated by an external ISO/IEC 17025 accredited laboratory. In addition, their calibration is verified prior to each weighing using calibrated external weights traceable to an ISO/IEC 17025 accredited laboratory. All volumetric glassware used is calibrated, of Class A tolerance, and traceable to an ISO/IEC 17025 accredited laboratory. For certain products, traceability to international interlaboratory studies has also been established.

EXPIRY DATE / PERIOD OF VALIDITY:

Ongoing stability studies of this product have demonstrated stability in its composition and concentration, until the specified expiry date, in the unopened ampoule. Monitoring for any degradation or change in concentration of the listed analytes is performed on a routine basis.

LIMITED WARRANTY:

At the time of shipment, all products are warranted to be free of defects in material and workmanship and to conform to the stated technical and purity specifications.

QUALITY MANAGEMENT:

This product was produced using a Quality Management System registered to the latest versions of ISO 9001 by SAI Global, ISO/IEC 17025 by the Canadian Association for Laboratory Accreditation Inc. (CALA; A 1226), and ISO 17034 by ANSI-ASQ National Accreditation Board (ANAB; AR-1523).

CALA
Testing
Accreditation No. A1226

ANAB
ACCREDITED
ISO 17034
REFERENCE MATERIAL PRODUCER

For additional information or assistance concerning this or any other products from Wellington Laboratories Inc., please visit our website at www.well-labs.com or contact us directly at info@well-labs.com

Table A: **EPA-1613CVS (with EPA-1613CSL and EPA-1613CS0.5); Components and Concentrations (ng/ml, ± 5% in nonane/toluene)**

Compound	Concentration (ng/ml)						
Native PCDDs and PCDFs:	**CS1**	**CS2**	**CS3**	**CS4**	**CS5**	**CSL**	**CS0.5**
2,3,7,8-TCDD	0.5	2	10	40	200	0.1	0.25
2,3,7,8-TCDF	0.5	2	10	40	200	0.1	0.25
1,2,3,7,8-PeCDD	2.5	10	50	200	1000	0.5	1.25
1,2,3,7,8-PeCDF	2.5	10	50	200	1000	0.5	1.25
2,3,4,7,8-PeCDF	2.5	10	50	200	1000	0.5	1.25
1,2,3,4,7,8-HxCDD	2.5	10	50	200	1000	0.5	1.25
1,2,3,6,7,8-HxCDD	2.5	10	50	200	1000	0.5	1.25
1,2,3,7,8,9-HxCDD	2.5	10	50	200	1000	0.5	1.25
1,2,3,4,7,8-HxCDF	2.5	10	50	200	1000	0.5	1.25
1,2,3,6,7,8-HxCDF	2.5	10	50	200	1000	0.5	1.25
1,2,3,7,8,9-HxCDF	2.5	10	50	200	1000	0.5	1.25
2,3,4,6,7,8-HxCDF	2.5	10	50	200	1000	0.5	1.25
1,2,3,4,6,7,8-HpCDD	2.5	10	50	200	1000	0.5	1.25
1,2,3,4,6,7,8-HpCDF	2.5	10	50	200	1000	0.5	1.25
1,2,3,4,7,8,9-HpCDF	2.5	10	50	200	1000	0.5	1.25
OCDD	5.0	20	100	400	2000	1.0	2.5
OCDF	5.0	20	100	400	2000	1.0	2.5
Labelled PCDDs and PCDFs:							
$^{13}C_{12}$-2,3,7,8-TCDD	100	100	100	100	100	100	100
$^{13}C_{12}$-2,3,7,8-TCDF	100	100	100	100	100	100	100
$^{13}C_{12}$-1,2,3,7,8-PeCDD	100	100	100	100	100	100	100
$^{13}C_{12}$-1,2,3,7,8-PeCDF	100	100	100	100	100	100	100
$^{13}C_{12}$-2,3,4,7,8-PeCDF	100	100	100	100	100	100	100
$^{13}C_{12}$-1,2,3,4,7,8-HxCDD	100	100	100	100	100	100	100
$^{13}C_{12}$-1,2,3,6,7,8-HxCDD	100	100	100	100	100	100	100
$^{13}C_{12}$-1,2,3,4,7,8-HxCDF	100	100	100	100	100	100	100
$^{13}C_{12}$-1,2,3,6,7,8-HxCDF	100	100	100	100	100	100	100
$^{13}C_{12}$-1,2,3,7,8,9-HxCDF	100	100	100	100	100	100	100
$^{13}C_{12}$-2,3,4,6,7,8-HxCDF	100	100	100	100	100	100	100
$^{13}C_{12}$-1,2,3,4,6,7,8-HpCDD	100	100	100	100	100	100	100
$^{13}C_{12}$-1,2,3,4,6,7,8-HpCDF	100	100	100	100	100	100	100
$^{13}C_{12}$-1,2,3,4,7,8,9-HpCDF	100	100	100	100	100	100	100
$^{13}C_{12}$-OCDD	200	200	200	200	200	200	200
Cleanup Standard:							
$^{37}Cl_{4}$-2,3,7,8-TCDD	0.5	2	10	40	200	0.1	0.25
Internal Standards:							
$^{13}C_{12}$-1,2,3,4-TCDD	100	100	100	100	100	100	100
$^{13}C_{12}$-1,2,3,7,8,9-HxCDD	100	100	100	100	100	100	100
Percent toluene (v/v)	3.6%	3.7%	4.2%	6.1%	16.2%	3.6%	3.6%

Certified By: ______________________ **Date:** 10/25/2019
(mm/dd/yyyy)

B.G. Chittim, General Manager

Table B: **EPA-1613CVS; 5-point HRGC/HRMS Calibration and RRF Summary**

Calibration RRF Summary				Calibration Standard				
Calibration Filename: 24oct_EPA1613CVS-CAL.QLD				CS1	CS2	CS3	CS4	CS5
Name	Mean	S. D.	%RSD	RRF#1	RRF#2	RRF#3	RRF#4	RRF#5
2,3,7,8-TCDF	0.93	0.013	1.4	0.92	0.95	0.93	0.92	0.95
1,2,3,7,8-PeCDF	0.93	0.015	1.6	0.92	0.92	0.93	0.93	0.95
2,3,4,7,8-PeCDF	1.04	0.019	1.8	1.03	1.02	1.05	1.05	1.07
1,2,3,4,7,8-HxCDF	0.96	0.035	3.7	0.94	0.92	0.98	0.99	1.00
1,2,3,6,7,8-HxCDF	0.93	0.013	1.4	0.92	0.94	0.94	0.91	0.94
2,3,4,6,7,8-HxCDF	0.96	0.022	2.3	0.95	0.94	0.97	0.97	0.99
1,2,3,7,8,9-HxCDF	0.89	0.021	2.4	0.87	0.88	0.90	0.90	0.92
1,2,3,4,6,7,8-HpCDF	0.91	0.011	1.2	0.90	0.90	0.90	0.92	0.92
1,2,3,4,7,8,9-HpCDF	0.91	0.010	1.1	0.90	0.90	0.92	0.91	0.92
OCDF	1.19	0.056	4.7	1.11	1.17	1.19	1.23	1.26
2,3,7,8-TCDD	1.05	0.023	2.2	1.01	1.06	1.05	1.05	1.07
1,2,3,7,8-PeCDD	0.97	0.018	1.9	0.95	0.95	0.98	0.97	0.99
1,2,3,4,7,8-HxCDD	1.00	0.019	1.9	1.01	1.00	1.00	0.96	1.01
1,2,3,6,7,8-HxCDD	0.98	0.032	3.2	0.93	0.98	0.99	1.01	1.01
1,2,3,7,8,9-HxCDD	0.97	0.016	1.6	0.95	0.96	0.98	0.99	0.98
1,2,3,4,6,7,8-HpCDD	1.01	0.025	2.5	1.01	0.97	1.02	1.03	1.04
OCDD	1.00	0.013	1.3	1.00	0.99	1.02	1.02	1.00
$^{13}C_{12}$-2,3,7,8-TCDF	1.57	0.047	3.0	1.52	1.55	1.55	1.57	1.65
$^{13}C_{12}$-1,2,3,7,8-PeCDF	1.21	0.078	6.5	1.13	1.20	1.17	1.20	1.34
$^{13}C_{12}$-2,3,4,7,8-PeCDF	1.17	0.081	6.9	1.09	1.15	1.13	1.17	1.31
$^{13}C_{12}$-1,2,3,4,7,8-HxCDF	1.33	0.020	1.5	1.35	1.33	1.33	1.32	1.30
$^{13}C_{12}$-1,2,3,6,7,8-HxCDF	1.51	0.034	2.2	1.47	1.48	1.53	1.53	1.54
$^{13}C_{12}$-2,3,4,6,7,8-HxCDF	1.38	0.012	0.9	1.38	1.38	1.40	1.37	1.36
$^{13}C_{12}$-1,2,3,7,8,9-HxCDF	1.19	0.014	1.2	1.18	1.16	1.20	1.19	1.20
$^{13}C_{12}$-1,2,3,4,6,7,8-HpCDF	1.31	0.033	2.5	1.31	1.26	1.33	1.31	1.35
$^{13}C_{12}$-1,2,3,4,7,8,9-HpCDF	1.08	0.046	4.3	1.06	1.03	1.09	1.08	1.15
$^{13}C_{12}$-2,3,7,8-TCDD	1.13	0.036	3.2	1.10	1.11	1.11	1.13	1.19
$^{13}C_{12}$-1,2,3,7,8-PeCDD	0.79	0.047	5.9	0.74	0.78	0.75	0.79	0.86
$^{13}C_{12}$-1,2,3,4,7,8-HxCDD	0.87	0.027	3.1	0.85	0.83	0.89	0.88	0.89
$^{13}C_{12}$-1,2,3,6,7,8-HxCDD	1.04	0.010	1.0	1.05	1.05	1.04	1.05	1.03
$^{13}C_{12}$-1,2,3,4,6,7,8-HpCDD	0.81	0.017	2.1	0.81	0.80	0.80	0.81	0.84
$^{13}C_{12}$-OCDD	0.74	0.055	7.4	0.70	0.70	0.73	0.72	0.83
$^{13}C_{12}$-1,2,3,4-TCDD	1.00	0.000	0.00	1.00	1.00	1.00	1.00	1.00
$^{13}C_{12}$-1,2,3,7,8,9-HxCDD	1.00	0.000	0.00	1.00	1.00	1.00	1.00	1.00
$^{37}Cl_4$-2,3,7,8-TCDD	0.97	0.026	2.6	0.95	0.94	0.99	0.99	0.99

Table C: EPA-1613CVS (with EPA-1613CSL and EPA-1613CS0.5); 7-point HRGC/HRMS Calibration and RRF Summary

Calibration RRF Summary				Calibration Standard						
Calibration Filename: 24oct_EPA1613CVS-CAL.QLD				CSL	CS0.5	CS1	CS2	CS3	CS4	CS5
Name	Mean	S. D.	%RSD	RRF#1	RRF#2	RRF#3	RRF#4	RRF#5	RRF#6	RRF#7
2,3,7,8-TCDF	0.92	0.045	4.8	0.96	0.83	0.92	0.95	0.93	0.92	0.95
1,2,3,7,8-PeCDF	0.93	0.013	1.4	0.94	0.92	0.92	0.92	0.93	0.93	0.95
2,3,4,7,8-PeCDF	1.02	0.058	5.7	0.90	1.00	1.03	1.02	1.05	1.05	1.07
1,2,3,4,7,8-HxCDF	0.96	0.029	3.0	0.96	0.97	0.94	0.92	0.98	0.99	1.00
1,2,3,6,7,8-HxCDF	0.92	0.030	3.3	0.90	0.86	0.92	0.94	0.94	0.91	0.94
2,3,4,6,7,8-HxCDF	0.94	0.047	5.0	0.87	0.89	0.95	0.94	0.97	0.97	0.99
1,2,3,7,8,9-HxCDF	0.88	0.029	3.3	0.83	0.88	0.87	0.88	0.90	0.90	0.92
1,2,3,4,6,7,8-HpCDF	0.90	0.033	3.7	0.83	0.93	0.90	0.90	0.90	0.92	0.92
1,2,3,4,7,8,9-HpCDF	0.91	0.018	1.9	0.89	0.94	0.90	0.90	0.92	0.91	0.92
OCDF	1.18	0.052	4.4	1.15	1.14	1.11	1.17	1.19	1.23	1.26
2,3,7,8-TCDD	1.03	0.051	5.0	1.03	0.92	1.01	1.06	1.05	1.05	1.07
1,2,3,7,8-PeCDD	0.95	0.042	4.4	0.87	0.98	0.95	0.95	0.98	0.97	0.99
1,2,3,4,7,8-HxCDD	0.97	0.066	6.8	0.83	0.98	1.01	1.00	1.00	0.96	1.01
1,2,3,6,7,8-HxCDD	0.96	0.044	4.5	0.90	0.92	0.93	0.98	0.99	1.01	1.01
1,2,3,7,8,9-HxCDD	0.94	0.054	5.7	0.83	0.92	0.95	0.96	0.98	0.99	0.98
1,2,3,4,6,7,8-HpCDD	1.01	0.033	3.3	0.95	1.03	1.01	0.97	1.02	1.03	1.04
OCDD	1.00	0.023	2.3	0.95	1.00	1.00	0.99	1.02	1.02	1.00
$^{13}C_{12}$-2,3,7,8-TCDF	1.56	0.042	2.7	1.52	1.54	1.52	1.55	1.55	1.57	1.65
$^{13}C_{12}$-1,2,3,7,8-PeCDF	1.20	0.066	5.5	1.18	1.17	1.13	1.20	1.17	1.20	1.34
$^{13}C_{12}$-2,3,4,7,8-PeCDF	1.16	0.071	6.1	1.12	1.13	1.09	1.15	1.13	1.17	1.31
$^{13}C_{12}$-1,2,3,4,7,8-HxCDF	1.33	0.018	1.4	1.32	1.35	1.35	1.33	1.33	1.32	1.30
$^{13}C_{12}$-1,2,3,6,7,8-HxCDF	1.53	0.045	3.0	1.60	1.56	1.47	1.48	1.53	1.53	1.54
$^{13}C_{12}$-2,3,4,6,7,8-HxCDF	1.39	0.019	1.4	1.39	1.42	1.38	1.38	1.40	1.37	1.36
$^{13}C_{12}$-1,2,3,7,8,9-HxCDF	1.19	0.012	1.0	1.19	1.19	1.18	1.16	1.20	1.19	1.20
$^{13}C_{12}$-1,2,3,4,6,7,8-HpCDF	1.31	0.028	2.2	1.30	1.33	1.31	1.26	1.33	1.31	1.35
$^{13}C_{12}$-1,2,3,4,7,8,9-HpCDF	1.07	0.045	4.2	1.02	1.08	1.06	1.03	1.09	1.08	1.15
$^{13}C_{12}$-2,3,7,8-TCDD	1.12	0.033	3.0	1.09	1.11	1.10	1.11	1.11	1.13	1.19
$^{13}C_{12}$-1,2,3,7,8-PeCDD	0.78	0.040	5.1	0.75	0.78	0.74	0.78	0.75	0.79	0.86
$^{13}C_{12}$-1,2,3,4,7,8-HxCDD	0.87	0.025	2.9	0.86	0.90	0.85	0.83	0.89	0.88	0.89
$^{13}C_{12}$-1,2,3,6,7,8-HxCDD	1.05	0.015	1.5	1.08	1.06	1.05	1.05	1.04	1.05	1.03
$^{13}C_{12}$-1,2,3,4,6,7,8-HpCDD	0.81	0.016	2.0	0.79	0.81	0.81	0.80	0.80	0.81	0.84
$^{13}C_{12}$-OCDD	0.73	0.046	6.3	0.71	0.72	0.70	0.70	0.73	0.72	0.83
$^{13}C_{12}$-1,2,3,4-TCDD	1.00	0.000	0.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
$^{13}C_{12}$-1,2,3,7,8,9-HxCDD	1.00	0.000	0.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
$^{37}Cl_4$-2,3,7,8-TCDD	0.97	0.053	5.4	0.90	1.07	0.95	0.94	0.99	0.99	0.99

Figure 1: **EPA-1613CS3; HRGC/HRMS Data (60 m DB-5 Column)**

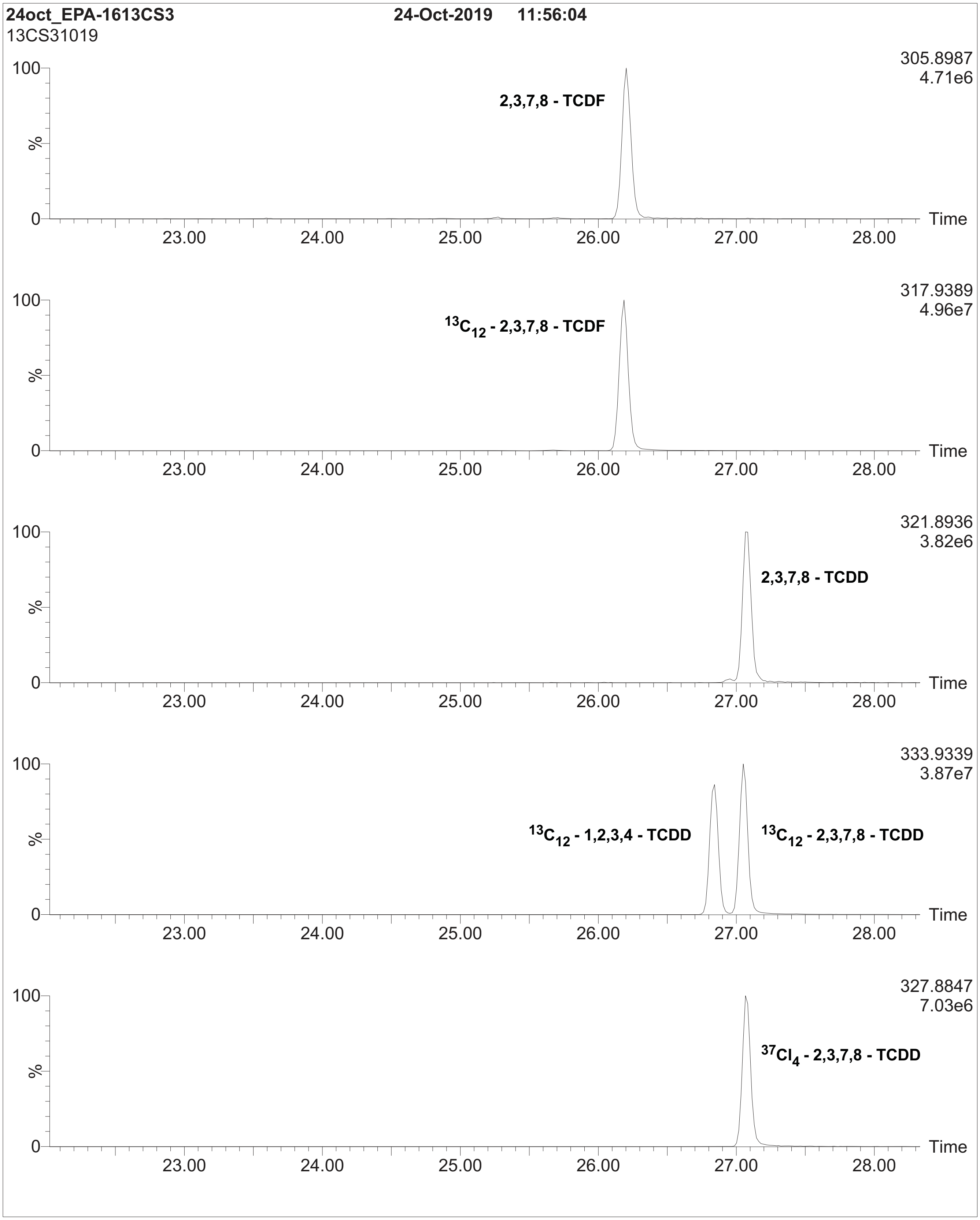


Figure 1: EPA-1613CS3; HRGC/HRMS Data (60 m DB-5 Column)

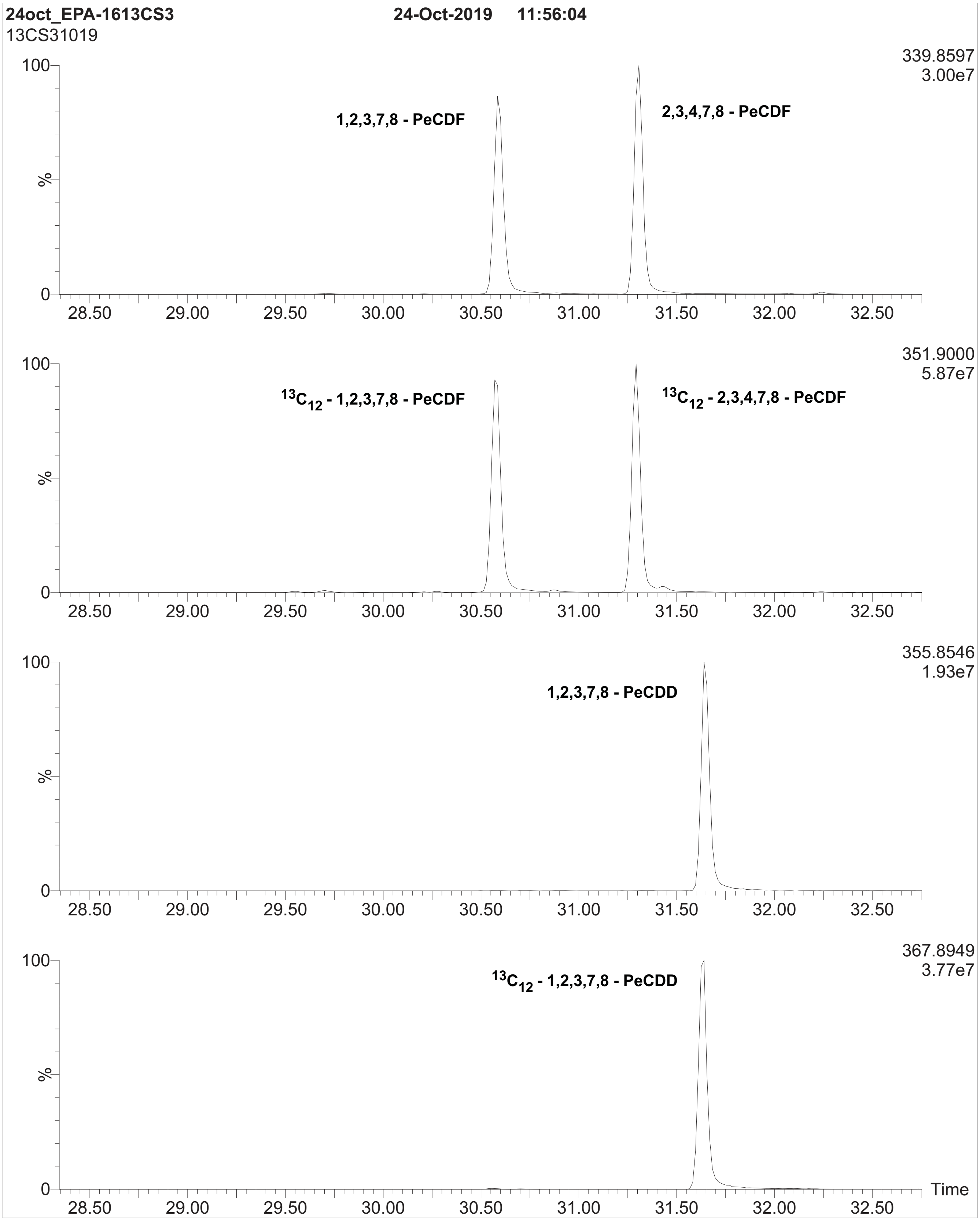


Figure 1: EPA-1613CS3; HRGC/HRMS Data (60 m DB-5 Column)

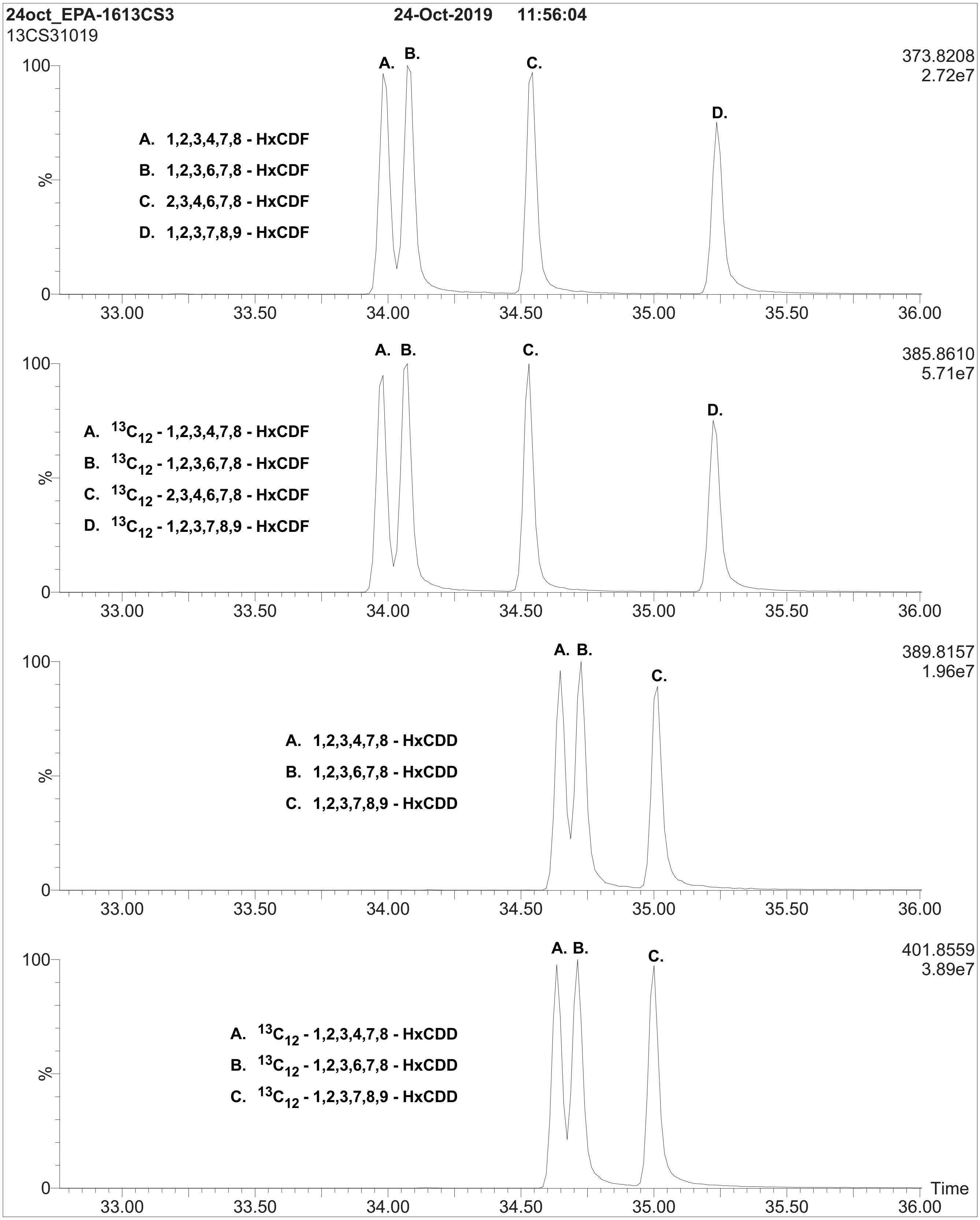


Figure 1: **EPA-1613CS3; HRGC/HRMS Data (60 m DB-5 Column)**

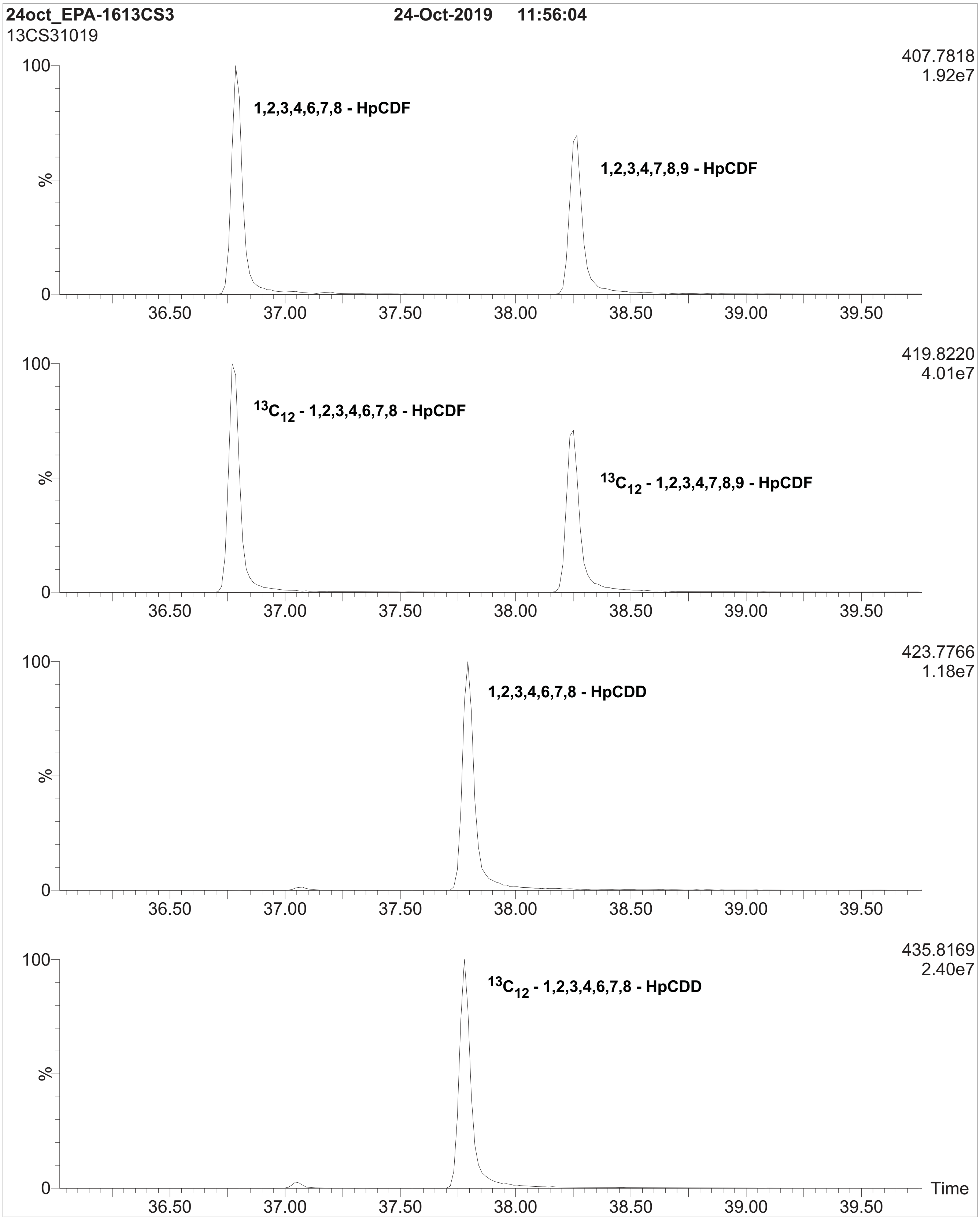
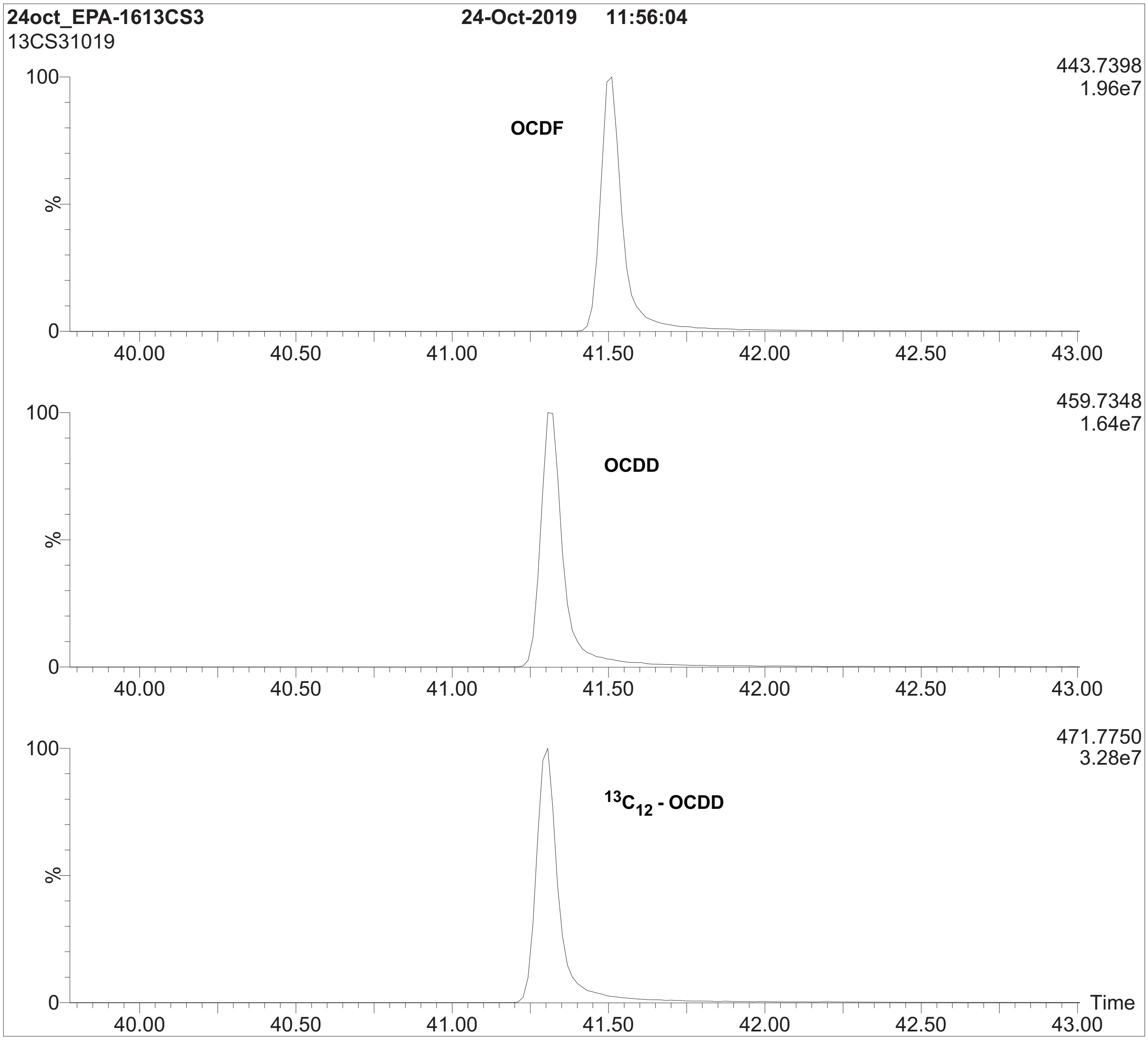


Figure 1: EPA-1613CS3; HRGC/HRMS Data (60 m DB-5 Column)



HRGC/HRMS:

Agilent 6890N (HRGC)
Autospec Ultima (HRMS)

Chromatographic Conditions:

Column: 60 m DB-5 (0.25 mm id, 0.25 µm film thickness) Agilent J&W

Flow: Constant at 1 ml/min
Injector: 280 °C (Splitless Injection)
Ionization: EI+
Detector: 280 °C
SIR at 10,000 mass resolving power

Oven: 150 °C (1 min)
12 °C/min to 200 °C
3 °C/min to 235 °C
235 °C (8 min)
8 °C/min to 310 °C
310 °C (8 min)

WELLINGTON
LABORATORIES

CERTIFICATE OF ANALYSIS
DOCUMENTATION

EPA-1613CVS
U.S. EPA Method 1613 Calibration and Verification Solutions plus Supplemental Calibration Solutions EPA-1613CSL & EPA-1613CS0.5

PRODUCT CODES:		**LOT NUMBERS:**	
	EPA-1613CVS		(see below)
	EPA-1613CS1		13CS11019
	EPA-1613CS2		13CS21019
	EPA-1613CS3		13CS31019
	EPA-1613CS4		13CS41019
	EPA-1613CS5		13CS51019

Note: EPA-1613CSL and EPA-1613CS0.5 are lower level extensions to this calibration set that must be ordered separately.

EPA-1613CS0.5	13CS0.51019
EPA-1613CSL	13CSL1019

SOLVENT(S):	Nonane/Toluene
DATE PREPARED: (mm/dd/yyyy)	10/22/2019
LAST TESTED: (mm/dd/yyyy)	10/24/2019
EXPIRY DATE: (mm/dd/yyyy)	10/24/2026
RECOMMENDED STORAGE:	Store ampoules in a cool, dark place

I005459
1613 CS5 CAL STD
Expires 10/24/2026
Prepared By Joshua Rains 6/23/2020

DESCRIPTION:

EPA-1613CVS is a series of 5 calibration solutions containing native ($^{12}C_{12}$) and mass-labelled ($^{13}C_{12}$ and $^{37}Cl_4$) chlorinated dibenzo-p-dioxins (PCDDs) and dibenzofurans (PCDFs). The components of each solution, and their concentrations, are given in Table A.

They were designed for, and prepared to be used according to, U.S. EPA Method 1613 (Revision B). They are to be used as received.

EPA-1613CSL and EPA-1613CS0.5 are lower level extensions to EPA-1613CVS. Neither is required by the method, but either or both can be used to extend the calibration to lower levels.

The individual native PCDDs and PCDFs all have chemical purities of >98%. The individual ^{13}C-labelled PCDDs and PCDFs all have chemical purities of >98% and isotopic purities of ≥99%. The 2,3,7,8-$^{37}Cl_4$-Tetrachlorodibenzo-p-dioxin has a chemical purity of >98% and an isotopic (^{37}Cl) purity of ≥95%.

FOR LABORATORY USE ONLY: NOT FOR HUMAN OR DRUG USE

DOCUMENTATION/ DATA ATTACHED:

Table A: Components and Concentrations
Table B: 5-point HRGC/HRMS Calibration and RRF Summary
Table C: 7-point HRGC/HRMS Calibration and RRF Summary
Figure 1: HRGC/HRMS Data for EPA-1613CS3 (SIR; 10,000 mass resolving power)

ADDITIONAL INFORMATION:

- See page 3 for further details.

INTENDED USE:

The products prepared by Wellington Laboratories Inc. are for laboratory use only. This certified reference material (CRM) was designed to be used as a series of standards for the identification and quantification of specific chemical compounds.

HANDLING:

This product should only be used by qualified personnel familiar with its potential hazards and trained in the handling of hazardous chemicals. Due care should be exercised to prevent unnecessary human contact or ingestion. All procedures should be carried out in a well-functioning fume hood and suitable gloves, eye protection, and clothing should be worn at all times. Waste should be disposed of according to national and regional regulations. Safety Data Sheets (SDSs) are available upon request.

SYNTHESIS / CHARACTERIZATION:

Our products are synthesized using single-product unambiguous routes whenever possible. They are then characterized, and their structures and purities confirmed, using a combination of the most relevant techniques, such as NMR, GC/MS, LC/MS/MS, SFC/UV/MS/MS, x-ray crystallography, and melting point. Isotopic purities of mass-labelled compounds are also confirmed using HRGC/HRMS and/or LC/MS/MS.

HOMOGENEITY:

Prior to solution preparation, crystalline material is tested for homogeneity using a variety of techniques (as stated above) and its solubility in a given diluent is taken into consideration. Duplicate solutions of a new product are prepared from the same crystalline lot and, after the addition of an appropriate internal standard, they are compared by GC/MS, LC/MS/MS, and/or SFC/UV/MS/MS. The relative response factors of the analyte of interest in each solution are required to be <5% RSD. New solution lots of existing products, as well as mixtures and calibration solutions, are compared to older lots in a similar manner. This further confirms the homogeneity of the crystalline material as well as the stability and homogeneity of the solutions in the storage containers. In order to maintain the integrity of the assigned values, and associated uncertainty, the dilution or injection of a subsample of this product should be performed using calibrated measuring equipment.

UNCERTAINTY:

The maximum combined relative standard uncertainty of our reference standard solutions is calculated using the following equation:

The combined relative standard uncertainty, $u_c(y)$, of a value y and the uncertainty of the independent parameters x_1, x_2,...x_n on which it depends is:

$$u_c(y(x_1, x_2, ...x_n)) = \sqrt{\sum_{i=1}^{n} u(y, x_i)^2}$$

where x is expressed as a relative standard uncertainty of the individual parameter.

The individual uncertainties taken into account include those associated with weights (calibration of the balance) and volumes (calibration of the volumetric glassware). An expanded maximum combined percent relative uncertainty of ±5% (calculated with a coverage factor of 2 and a level of confidence of 95%) is stated on the Certificate of Analysis for all of our products.

TRACEABILITY:

All reference standard solutions are traceable to specific crystalline lots. The microbalances used for solution preparation are regularly calibrated by an external ISO/IEC 17025 accredited laboratory. In addition, their calibration is verified prior to each weighing using calibrated external weights traceable to an ISO/IEC 17025 accredited laboratory. All volumetric glassware used is calibrated, of Class A tolerance, and traceable to an ISO/IEC 17025 accredited laboratory. For certain products, traceability to international interlaboratory studies has also been established.

EXPIRY DATE / PERIOD OF VALIDITY:

Ongoing stability studies of this product have demonstrated stability in its composition and concentration, until the specified expiry date, in the unopened ampoule. Monitoring for any degradation or change in concentration of the listed analytes is performed on a routine basis.

LIMITED WARRANTY:

At the time of shipment, all products are warranted to be free of defects in material and workmanship and to conform to the stated technical and purity specifications.

QUALITY MANAGEMENT:

This product was produced using a Quality Management System registered to the latest versions of ISO 9001 by SAI Global, ISO/IEC 17025 by the Canadian Association for Laboratory Accreditation Inc. (CALA; A 1226), and ISO 17034 by ANSI-ASQ National Accreditation Board (ANAB; AR-1523).

CALA
Testing
Accreditation No. A1226

ANAB
ACCREDITED
ISO 17034
REFERENCE MATERIAL PRODUCER

For additional information or assistance concerning this or any other products from Wellington Laboratories Inc., please visit our website at www.well-labs.com or contact us directly at info@well-labs.com

Table A: EPA-1613CVS (with EPA-1613CSL and EPA-1613CS0.5); Components and Concentrations (ng/ml, ± 5% in nonane/toluene)

Compound	Concentration (ng/ml)						
Native PCDDs and PCDFs:	**CS1**	**CS2**	**CS3**	**CS4**	**CS5**	**CSL**	**CS0.5**
2,3,7,8-TCDD	0.5	2	10	40	200	0.1	0.25
2,3,7,8-TCDF	0.5	2	10	40	200	0.1	0.25
1,2,3,7,8-PeCDD	2.5	10	50	200	1000	0.5	1.25
1,2,3,7,8-PeCDF	2.5	10	50	200	1000	0.5	1.25
2,3,4,7,8-PeCDF	2.5	10	50	200	1000	0.5	1.25
1,2,3,4,7,8-HxCDD	2.5	10	50	200	1000	0.5	1.25
1,2,3,6,7,8-HxCDD	2.5	10	50	200	1000	0.5	1.25
1,2,3,7,8,9-HxCDD	2.5	10	50	200	1000	0.5	1.25
1,2,3,4,7,8-HxCDF	2.5	10	50	200	1000	0.5	1.25
1,2,3,6,7,8-HxCDF	2.5	10	50	200	1000	0.5	1.25
1,2,3,7,8,9-HxCDF	2.5	10	50	200	1000	0.5	1.25
2,3,4,6,7,8-HxCDF	2.5	10	50	200	1000	0.5	1.25
1,2,3,4,6,7,8-HpCDD	2.5	10	50	200	1000	0.5	1.25
1,2,3,4,6,7,8-HpCDF	2.5	10	50	200	1000	0.5	1.25
1,2,3,4,7,8,9-HpCDF	2.5	10	50	200	1000	0.5	1.25
OCDD	5.0	20	100	400	2000	1.0	2.5
OCDF	5.0	20	100	400	2000	1.0	2.5
Labelled PCDDs and PCDFs:							
$^{13}C_{12}$-2,3,7,8-TCDD	100	100	100	100	100	100	100
$^{13}C_{12}$-2,3,7,8-TCDF	100	100	100	100	100	100	100
$^{13}C_{12}$-1,2,3,7,8-PeCDD	100	100	100	100	100	100	100
$^{13}C_{12}$-1,2,3,7,8-PeCDF	100	100	100	100	100	100	100
$^{13}C_{12}$-2,3,4,7,8-PeCDF	100	100	100	100	100	100	100
$^{13}C_{12}$-1,2,3,4,7,8-HxCDD	100	100	100	100	100	100	100
$^{13}C_{12}$-1,2,3,6,7,8-HxCDD	100	100	100	100	100	100	100
$^{13}C_{12}$-1,2,3,4,7,8-HxCDF	100	100	100	100	100	100	100
$^{13}C_{12}$-1,2,3,6,7,8-HxCDF	100	100	100	100	100	100	100
$^{13}C_{12}$-1,2,3,7,8,9-HxCDF	100	100	100	100	100	100	100
$^{13}C_{12}$-2,3,4,6,7,8-HxCDF	100	100	100	100	100	100	100
$^{13}C_{12}$-1,2,3,4,6,7,8-HpCDD	100	100	100	100	100	100	100
$^{13}C_{12}$-1,2,3,4,6,7,8-HpCDF	100	100	100	100	100	100	100
$^{13}C_{12}$-1,2,3,4,7,8,9-HpCDF	100	100	100	100	100	100	100
$^{13}C_{12}$-OCDD	200	200	200	200	200	200	200
Cleanup Standard:							
$^{37}Cl_4$-2,3,7,8-TCDD	0.5	2	10	40	200	0.1	0.25
Internal Standards:							
$^{13}C_{12}$-1,2,3,4-TCDD	100	100	100	100	100	100	100
$^{13}C_{12}$-1,2,3,7,8,9-HxCDD	100	100	100	100	100	100	100
Percent toluene (v/v)	3.6%	3.7%	4.2%	6.1%	16.2%	3.6%	3.6%

Certified By: ____________________ **Date:** 10/25/2019
(mm/dd/yyyy)

B.G. Chittim, General Manager

Table B: EPA-1613CVS; 5-point HRGC/HRMS Calibration and RRF Summary

Calibration RRF Summary				Calibration Standard				
Calibration Filename: 24oct_EPA1613CVS-CAL.QLD				CS1	CS2	CS3	CS4	CS5
Name	Mean	S. D.	%RSD	RRF#1	RRF#2	RRF#3	RRF#4	RRF#5
2,3,7,8-TCDF	0.93	0.013	1.4	0.92	0.95	0.93	0.92	0.95
1,2,3,7,8-PeCDF	0.93	0.015	1.6	0.92	0.92	0.93	0.93	0.95
2,3,4,7,8-PeCDF	1.04	0.019	1.8	1.03	1.02	1.05	1.05	1.07
1,2,3,4,7,8-HxCDF	0.96	0.035	3.7	0.94	0.92	0.98	0.99	1.00
1,2,3,6,7,8-HxCDF	0.93	0.013	1.4	0.92	0.94	0.94	0.91	0.94
2,3,4,6,7,8-HxCDF	0.96	0.022	2.3	0.95	0.94	0.97	0.97	0.99
1,2,3,7,8,9-HxCDF	0.89	0.021	2.4	0.87	0.88	0.90	0.90	0.92
1,2,3,4,6,7,8-HpCDF	0.91	0.011	1.2	0.90	0.90	0.90	0.92	0.92
1,2,3,4,7,8,9-HpCDF	0.91	0.010	1.1	0.90	0.90	0.92	0.91	0.92
OCDF	1.19	0.056	4.7	1.11	1.17	1.19	1.23	1.26
2,3,7,8-TCDD	1.05	0.023	2.2	1.01	1.06	1.05	1.05	1.07
1,2,3,7,8-PeCDD	0.97	0.018	1.9	0.95	0.95	0.98	0.97	0.99
1,2,3,4,7,8-HxCDD	1.00	0.019	1.9	1.01	1.00	1.00	0.96	1.01
1,2,3,6,7,8-HxCDD	0.98	0.032	3.2	0.93	0.98	0.99	1.01	1.01
1,2,3,7,8,9-HxCDD	0.97	0.016	1.6	0.95	0.96	0.98	0.99	0.98
1,2,3,4,6,7,8-HpCDD	1.01	0.025	2.5	1.01	0.97	1.02	1.03	1.04
OCDD	1.00	0.013	1.3	1.00	0.99	1.02	1.02	1.00
$^{13}C_{12}$-2,3,7,8-TCDF	1.57	0.047	3.0	1.52	1.55	1.55	1.57	1.65
$^{13}C_{12}$-1,2,3,7,8-PeCDF	1.21	0.078	6.5	1.13	1.20	1.17	1.20	1.34
$^{13}C_{12}$-2,3,4,7,8-PeCDF	1.17	0.081	6.9	1.09	1.15	1.13	1.17	1.31
$^{13}C_{12}$-1,2,3,4,7,8-HxCDF	1.33	0.020	1.5	1.35	1.33	1.33	1.32	1.30
$^{13}C_{12}$-1,2,3,6,7,8-HxCDF	1.51	0.034	2.2	1.47	1.48	1.53	1.53	1.54
$^{13}C_{12}$-2,3,4,6,7,8-HxCDF	1.38	0.012	0.9	1.38	1.38	1.40	1.37	1.36
$^{13}C_{12}$-1,2,3,7,8,9-HxCDF	1.19	0.014	1.2	1.18	1.16	1.20	1.19	1.20
$^{13}C_{12}$-1,2,3,4,6,7,8-HpCDF	1.31	0.033	2.5	1.31	1.26	1.33	1.31	1.35
$^{13}C_{12}$-1,2,3,4,7,8,9-HpCDF	1.08	0.046	4.3	1.06	1.03	1.09	1.08	1.15
$^{13}C_{12}$-2,3,7,8-TCDD	1.13	0.036	3.2	1.10	1.11	1.11	1.13	1.19
$^{13}C_{12}$-1,2,3,7,8-PeCDD	0.79	0.047	5.9	0.74	0.78	0.75	0.79	0.86
$^{13}C_{12}$-1,2,3,4,7,8-HxCDD	0.87	0.027	3.1	0.85	0.83	0.89	0.88	0.89
$^{13}C_{12}$-1,2,3,6,7,8-HxCDD	1.04	0.010	1.0	1.05	1.05	1.04	1.05	1.03
$^{13}C_{12}$-1,2,3,4,6,7,8-HpCDD	0.81	0.017	2.1	0.81	0.80	0.80	0.81	0.84
$^{13}C_{12}$-OCDD	0.74	0.055	7.4	0.70	0.70	0.73	0.72	0.83
$^{13}C_{12}$-1,2,3,4-TCDD	1.00	0.000	0.00	1.00	1.00	1.00	1.00	1.00
$^{13}C_{12}$-1,2,3,7,8,9-HxCDD	1.00	0.000	0.00	1.00	1.00	1.00	1.00	1.00
$^{37}Cl_4$-2,3,7,8-TCDD	0.97	0.026	2.6	0.95	0.94	0.99	0.99	0.99

Table C: EPA-1613CVS (with EPA-1613CSL and EPA-1613CS0.5); 7-point HRGC/HRMS Calibration and RRF Summary

Calibration RRF Summary				Calibration Standard						
Calibration Filename: 24oct_EPA1613CVS-CAL.QLD				CSL	CS0.5	CS1	CS2	CS3	CS4	CS5
Name	Mean	S. D.	%RSD	RRF#1	RRF#2	RRF#3	RRF#4	RRF#5	RRF#6	RRF#7
2,3,7,8-TCDF	0.92	0.045	4.8	0.96	0.83	0.92	0.95	0.93	0.92	0.95
1,2,3,7,8-PeCDF	0.93	0.013	1.4	0.94	0.92	0.92	0.92	0.93	0.93	0.95
2,3,4,7,8-PeCDF	1.02	0.058	5.7	0.90	1.00	1.03	1.02	1.05	1.05	1.07
1,2,3,4,7,8-HxCDF	0.96	0.029	3.0	0.96	0.97	0.94	0.92	0.98	0.99	1.00
1,2,3,6,7,8-HxCDF	0.92	0.030	3.3	0.90	0.86	0.92	0.94	0.94	0.91	0.94
2,3,4,6,7,8-HxCDF	0.94	0.047	5.0	0.87	0.89	0.95	0.94	0.97	0.97	0.99
1,2,3,7,8,9-HxCDF	0.88	0.029	3.3	0.83	0.88	0.87	0.88	0.90	0.90	0.92
1,2,3,4,6,7,8-HpCDF	0.90	0.033	3.7	0.83	0.93	0.90	0.90	0.90	0.92	0.92
1,2,3,4,7,8,9-HpCDF	0.91	0.018	1.9	0.89	0.94	0.90	0.90	0.92	0.91	0.92
OCDF	1.18	0.052	4.4	1.15	1.14	1.11	1.17	1.19	1.23	1.26
2,3,7,8-TCDD	1.03	0.051	5.0	1.03	0.92	1.01	1.06	1.05	1.05	1.07
1,2,3,7,8-PeCDD	0.95	0.042	4.4	0.87	0.98	0.95	0.95	0.98	0.97	0.99
1,2,3,4,7,8-HxCDD	0.97	0.066	6.8	0.83	0.98	1.01	1.00	1.00	0.96	1.01
1,2,3,6,7,8-HxCDD	0.96	0.044	4.5	0.90	0.92	0.93	0.98	0.99	1.01	1.01
1,2,3,7,8,9-HxCDD	0.94	0.054	5.7	0.83	0.92	0.95	0.96	0.98	0.99	0.98
1,2,3,4,6,7,8-HpCDD	1.01	0.033	3.3	0.95	1.03	1.01	0.97	1.02	1.03	1.04
OCDD	1.00	0.023	2.3	0.95	1.00	1.00	0.99	1.02	1.02	1.00
$^{13}C_{12}$-2,3,7,8-TCDF	1.56	0.042	2.7	1.52	1.54	1.52	1.55	1.55	1.57	1.65
$^{13}C_{12}$-1,2,3,7,8-PeCDF	1.20	0.066	5.5	1.18	1.17	1.13	1.20	1.17	1.20	1.34
$^{13}C_{12}$-2,3,4,7,8-PeCDF	1.16	0.071	6.1	1.12	1.13	1.09	1.15	1.13	1.17	1.31
$^{13}C_{12}$-1,2,3,4,7,8-HxCDF	1.33	0.018	1.4	1.32	1.35	1.35	1.33	1.33	1.32	1.30
$^{13}C_{12}$-1,2,3,6,7,8-HxCDF	1.53	0.045	3.0	1.60	1.56	1.47	1.48	1.53	1.53	1.54
$^{13}C_{12}$-2,3,4,6,7,8-HxCDF	1.39	0.019	1.4	1.39	1.42	1.38	1.38	1.40	1.37	1.36
$^{13}C_{12}$-1,2,3,7,8,9-HxCDF	1.19	0.012	1.0	1.19	1.19	1.18	1.16	1.20	1.19	1.20
$^{13}C_{12}$-1,2,3,4,6,7,8-HpCDF	1.31	0.028	2.2	1.30	1.33	1.31	1.26	1.33	1.31	1.35
$^{13}C_{12}$-1,2,3,4,7,8,9-HpCDF	1.07	0.045	4.2	1.02	1.08	1.06	1.03	1.09	1.08	1.15
$^{13}C_{12}$-2,3,7,8-TCDD	1.12	0.033	3.0	1.09	1.11	1.10	1.11	1.11	1.13	1.19
$^{13}C_{12}$-1,2,3,7,8-PeCDD	0.78	0.040	5.1	0.75	0.78	0.74	0.78	0.75	0.79	0.86
$^{13}C_{12}$-1,2,3,4,7,8-HxCDD	0.87	0.025	2.9	0.86	0.90	0.85	0.83	0.89	0.88	0.89
$^{13}C_{12}$-1,2,3,6,7,8-HxCDD	1.05	0.015	1.5	1.08	1.06	1.05	1.05	1.04	1.05	1.03
$^{13}C_{12}$-1,2,3,4,6,7,8-HpCDD	0.81	0.016	2.0	0.79	0.81	0.81	0.80	0.80	0.81	0.84
$^{13}C_{12}$-OCDD	0.73	0.046	6.3	0.71	0.72	0.70	0.70	0.73	0.72	0.83
$^{13}C_{12}$-1,2,3,4-TCDD	1.00	0.000	0.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
$^{13}C_{12}$-1,2,3,7,8,9-HxCDD	1.00	0.000	0.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
$^{37}Cl_{4}$-2,3,7,8-TCDD	0.97	0.053	5.4	0.90	1.07	0.95	0.94	0.99	0.99	0.99

Figure 1: **EPA-1613CS3; HRGC/HRMS Data (60 m DB-5 Column)**

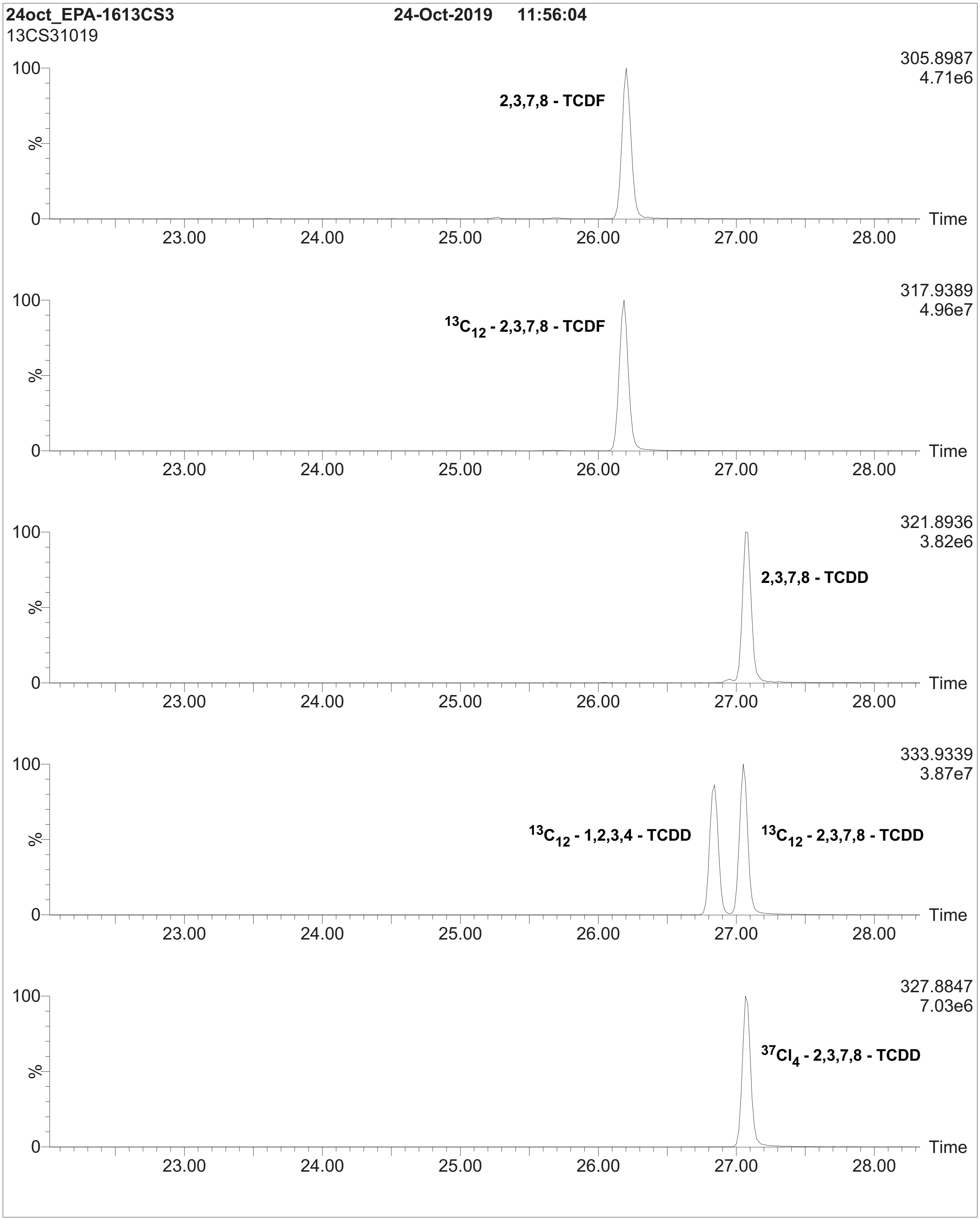


Figure 1: EPA-1613CS3; HRGC/HRMS Data (60 m DB-5 Column)

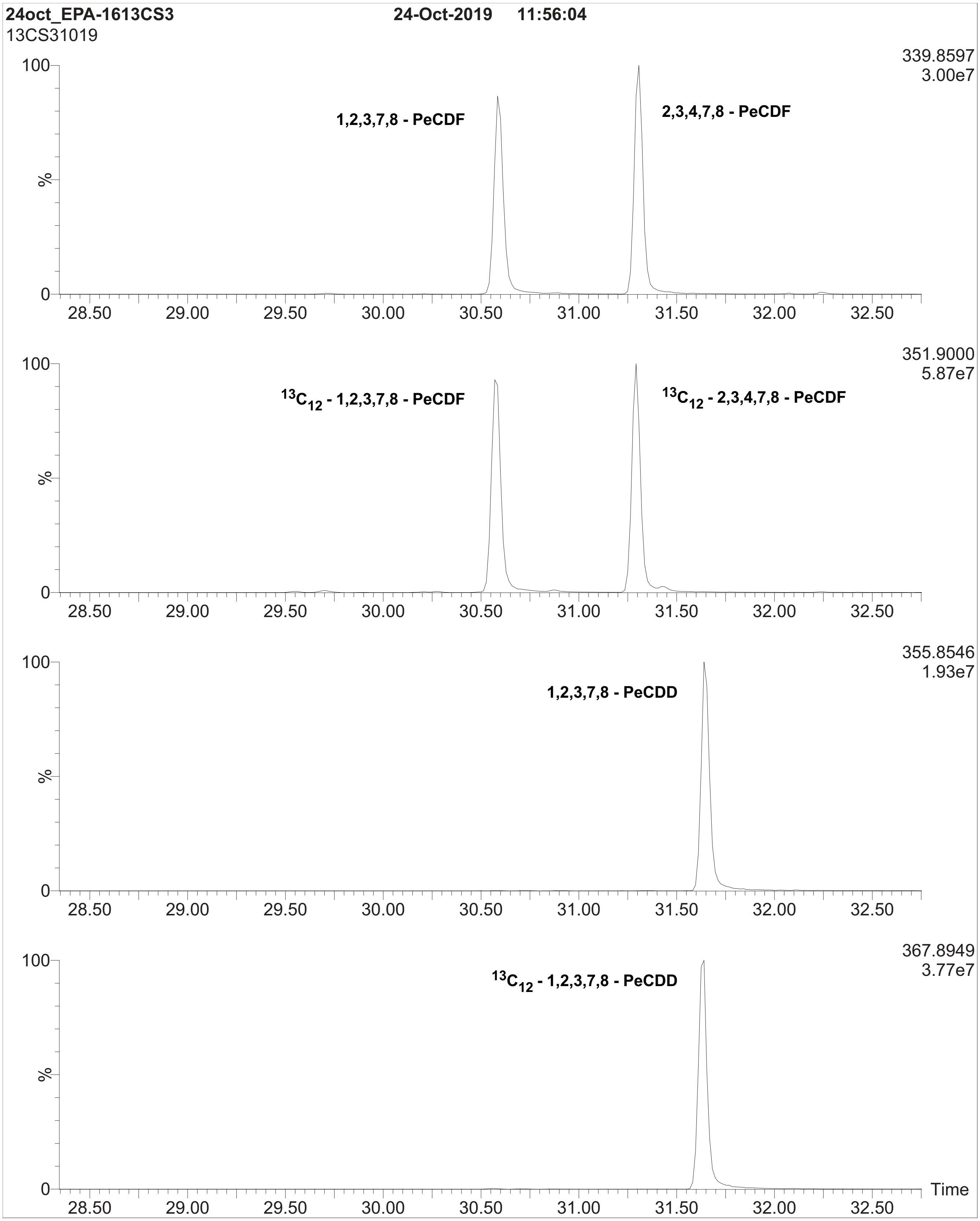


Figure 1: **EPA-1613CS3; HRGC/HRMS Data (60 m DB-5 Column)**

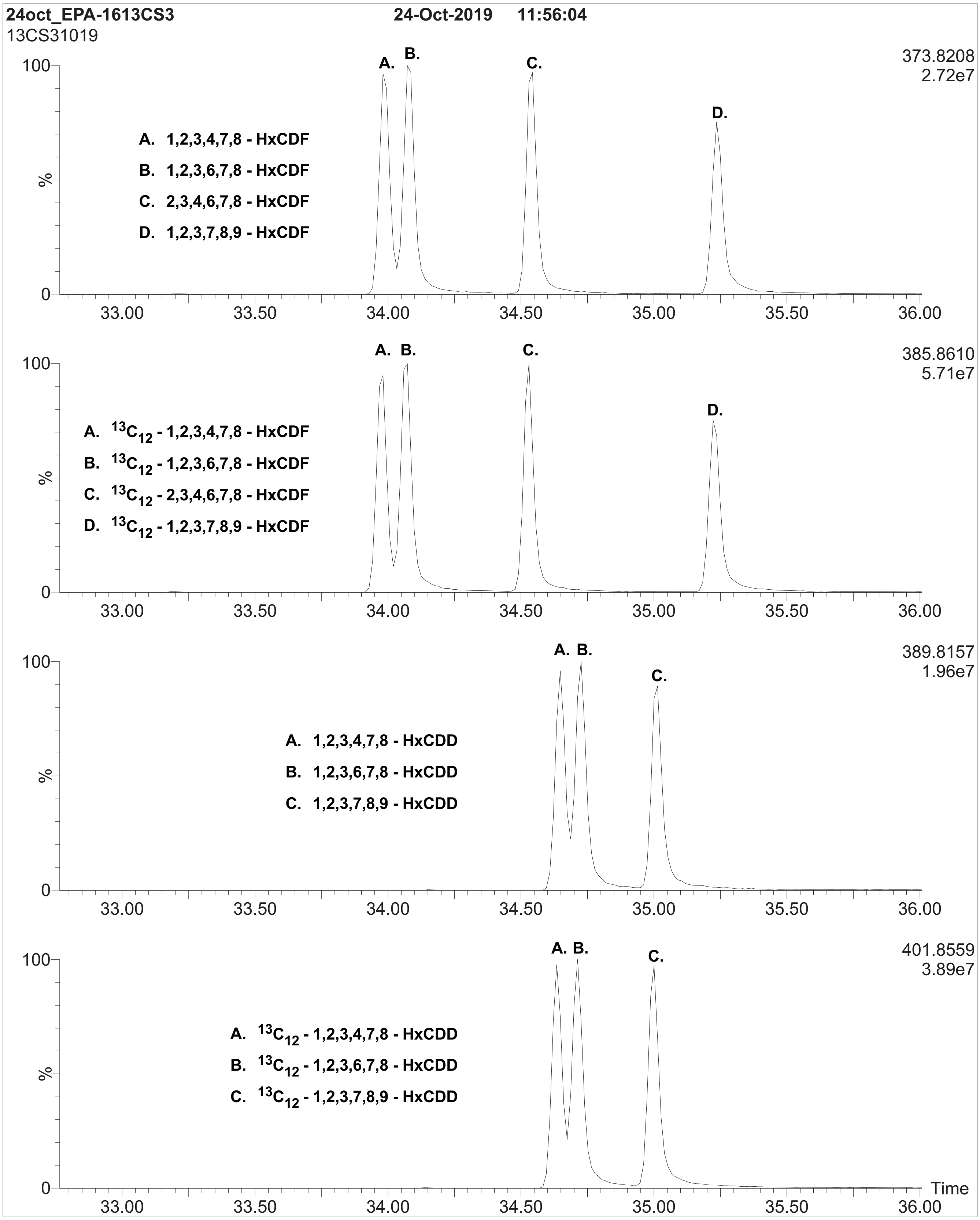


Figure 1: EPA-1613CS3; HRGC/HRMS Data (60 m DB-5 Column)

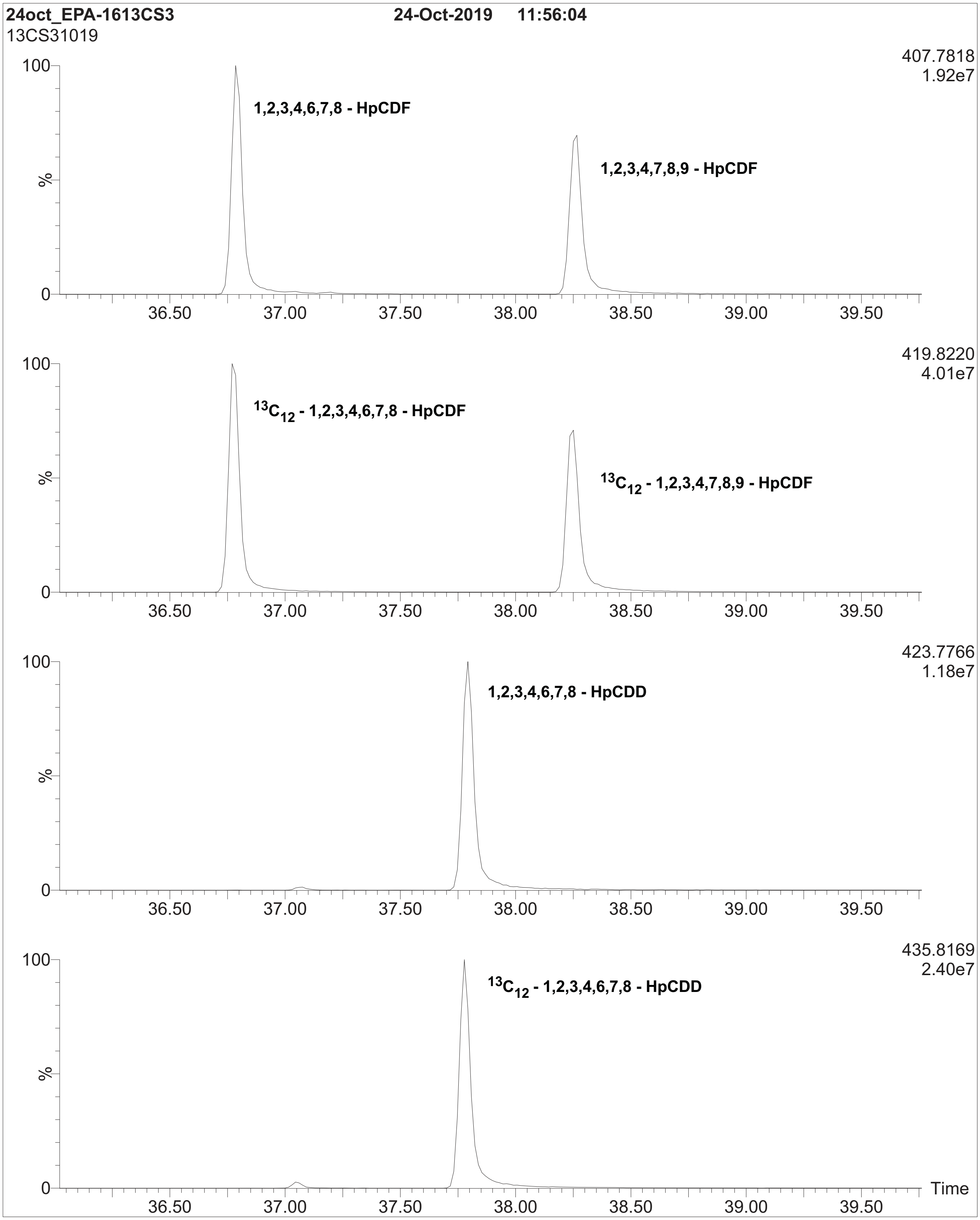
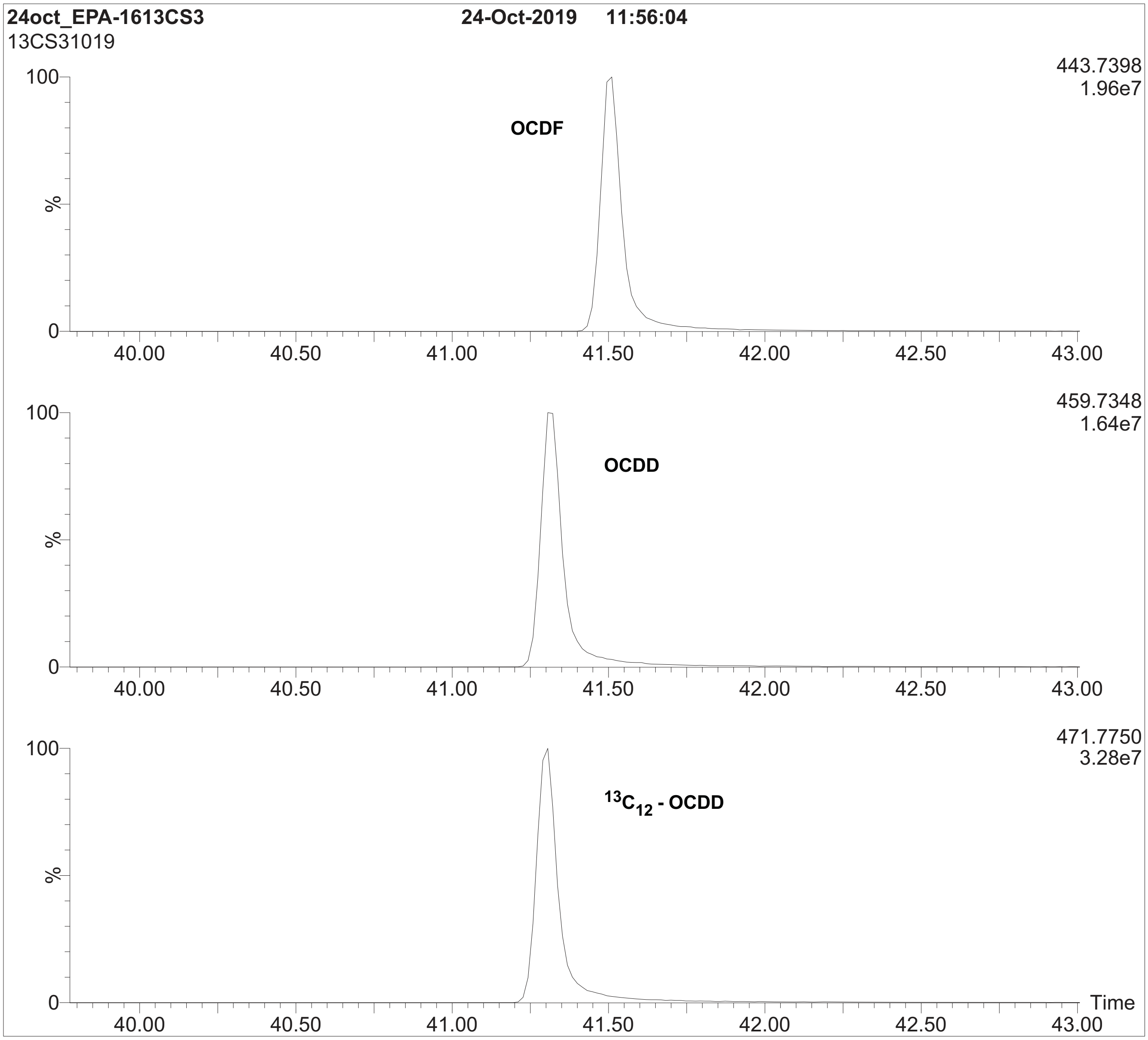


Figure 1: **EPA-1613CS3; HRGC/HRMS Data (60 m DB-5 Column)**



HRGC/HRMS:

Agilent 6890N (HRGC)
Autospec Ultima (HRMS)

Chromatographic Conditions:

Column: 60 m DB-5 (0.25 mm id, 0.25 µm film thickness) Agilent J&W

Flow: Constant at 1 ml/min
Injector: 280 °C (Splitless Injection)
Ionization: EI+
Detector: 280 °C
SIR at 10,000 mass resolving power

Oven: 150 °C (1 min)
12 °C/min to 200 °C
3 °C/min to 235 °C
235 °C (8 min)
8 °C/min to 310 °C
310 °C (8 min)

EPA-1613CVS

U.S. EPA Method 1613 Calibration and Verification Solutions plus Supplemental Calibration Solutions EPA-1613CSL & EPA-1613CS0.5

PRODUCT CODES:		**LOT NUMBERS:**	
	EPA-1613CVS		(see below)
	EPA-1613CS1		13CS11019
	EPA-1613CS2		13CS21019
	EPA-1613CS3		13CS31019
	EPA-1613CS4		13CS41019
	EPA-1613CS5		13CS51019

Note: EPA-1613CSL and EPA-1613CS0.5 are lower level extensions to this calibration set that must be ordered separately.

EPA-1613CS0.5	13CS0.51019
EPA-1613CSL	13CSL1019

SOLVENT(S): Nonane/Toluene
DATE PREPARED: (mm/dd/yyyy) 10/22/2019
LAST TESTED: (mm/dd/yyyy) 10/24/2019
EXPIRY DATE: (mm/dd/yyyy) 10/24/2026
RECOMMENDED STORAGE: Store ampoules in a cool, dark place

I005460
1613 CSL CAL STD
Expires 10/24/2026
Prepared By Joshua Rains 6/23/2020

DESCRIPTION:

EPA-1613CVS is a series of 5 calibration solutions containing native ($^{12}C_{12}$) and mass-labelled ($^{13}C_{12}$ and $^{37}Cl_4$) chlorinated dibenzo-p-dioxins (PCDDs) and dibenzofurans (PCDFs). The components of each solution, and their concentrations, are given in Table A.

They were designed for, and prepared to be used according to, U.S. EPA Method 1613 (Revision B). They are to be used as received.

EPA-1613CSL and EPA-1613CS0.5 are lower level extensions to EPA-1613CVS. Neither is required by the method, but either or both can be used to extend the calibration to lower levels.

The individual native PCDDs and PCDFs all have chemical purities of >98%. The individual ^{13}C-labelled PCDDs and PCDFs all have chemical purities of >98% and isotopic purities of ≥99%. The 2,3,7,8-$^{37}Cl_4$-Tetrachlorodibenzo-p-dioxin has a chemical purity of >98% and an isotopic (^{37}Cl) purity of ≥95%.

FOR LABORATORY USE ONLY: NOT FOR HUMAN OR DRUG USE

DOCUMENTATION/ DATA ATTACHED:

Table A: Components and Concentrations
Table B: 5-point HRGC/HRMS Calibration and RRF Summary
Table C: 7-point HRGC/HRMS Calibration and RRF Summary
Figure 1: HRGC/HRMS Data for EPA-1613CS3 (SIR; 10,000 mass resolving power)

ADDITIONAL INFORMATION:

- See page 3 for further details.

INTENDED USE:

The products prepared by Wellington Laboratories Inc. are for laboratory use only. This certified reference material (CRM) was designed to be used as a series of standards for the identification and quantification of specific chemical compounds.

HANDLING:

This product should only be used by qualified personnel familiar with its potential hazards and trained in the handling of hazardous chemicals. Due care should be exercised to prevent unnecessary human contact or ingestion. All procedures should be carried out in a well-functioning fume hood and suitable gloves, eye protection, and clothing should be worn at all times. Waste should be disposed of according to national and regional regulations. Safety Data Sheets (SDSs) are available upon request.

SYNTHESIS / CHARACTERIZATION:

Our products are synthesized using single-product unambiguous routes whenever possible. They are then characterized, and their structures and purities confirmed, using a combination of the most relevant techniques, such as NMR, GC/MS, LC/MS/MS, SFC/UV/MS/MS, x-ray crystallography, and melting point. Isotopic purities of mass-labelled compounds are also confirmed using HRGC/HRMS and/or LC/MS/MS.

HOMOGENEITY:

Prior to solution preparation, crystalline material is tested for homogeneity using a variety of techniques (as stated above) and its solubility in a given diluent is taken into consideration. Duplicate solutions of a new product are prepared from the same crystalline lot and, after the addition of an appropriate internal standard, they are compared by GC/MS, LC/MS/MS, and/or SFC/UV/MS/MS. The relative response factors of the analyte of interest in each solution are required to be <5% RSD. New solution lots of existing products, as well as mixtures and calibration solutions, are compared to older lots in a similar manner. This further confirms the homogeneity of the crystalline material as well as the stability and homogeneity of the solutions in the storage containers. In order to maintain the integrity of the assigned values, and associated uncertainty, the dilution or injection of a subsample of this product should be performed using calibrated measuring equipment.

UNCERTAINTY:

The maximum combined relative standard uncertainty of our reference standard solutions is calculated using the following equation:

The combined relative standard uncertainty, $u_c(y)$, of a value y and the uncertainty of the independent parameters x_1, x_2,...x_n on which it depends is:

$$u_c(y(x_1, x_2, \ldots x_n)) = \sqrt{\sum_{i=1}^{n} u(y, x_i)^2}$$

where x is expressed as a relative standard uncertainty of the individual parameter.

The individual uncertainties taken into account include those associated with weights (calibration of the balance) and volumes (calibration of the volumetric glassware). An expanded maximum combined percent relative uncertainty of ±5% (calculated with a coverage factor of 2 and a level of confidence of 95%) is stated on the Certificate of Analysis for all of our products.

TRACEABILITY:

All reference standard solutions are traceable to specific crystalline lots. The microbalances used for solution preparation are regularly calibrated by an external ISO/IEC 17025 accredited laboratory. In addition, their calibration is verified prior to each weighing using calibrated external weights traceable to an ISO/IEC 17025 accredited laboratory. All volumetric glassware used is calibrated, of Class A tolerance, and traceable to an ISO/IEC 17025 accredited laboratory. For certain products, traceability to international interlaboratory studies has also been established.

EXPIRY DATE / PERIOD OF VALIDITY:

Ongoing stability studies of this product have demonstrated stability in its composition and concentration, until the specified expiry date, in the unopened ampoule. Monitoring for any degradation or change in concentration of the listed analytes is performed on a routine basis.

LIMITED WARRANTY:

At the time of shipment, all products are warranted to be free of defects in material and workmanship and to conform to the stated technical and purity specifications.

QUALITY MANAGEMENT:

This product was produced using a Quality Management System registered to the latest versions of ISO 9001 by SAI Global, ISO/IEC 17025 by the Canadian Association for Laboratory Accreditation Inc. (CALA; A 1226), and ISO 17034 by ANSI-ASQ National Accreditation Board (ANAB; AR-1523).

CALA
Testing
Accreditation No. A1226

ANAB
ACCREDITED
ISO 17034
REFERENCE MATERIAL PRODUCER

For additional information or assistance concerning this or any other products from Wellington Laboratories Inc., please visit our website at www.well-labs.com or contact us directly at info@well-labs.com

Table A: **EPA-1613CVS (with EPA-1613CSL and EPA-1613CS0.5); Components and Concentrations (ng/ml, ± 5% in nonane/toluene)**

Compound	Concentration (ng/ml)						
Native PCDDs and PCDFs:	**CS1**	**CS2**	**CS3**	**CS4**	**CS5**	**CSL**	**CS0.5**
2,3,7,8-TCDD	0.5	2	10	40	200	0.1	0.25
2,3,7,8-TCDF	0.5	2	10	40	200	0.1	0.25
1,2,3,7,8-PeCDD	2.5	10	50	200	1000	0.5	1.25
1,2,3,7,8-PeCDF	2.5	10	50	200	1000	0.5	1.25
2,3,4,7,8-PeCDF	2.5	10	50	200	1000	0.5	1.25
1,2,3,4,7,8-HxCDD	2.5	10	50	200	1000	0.5	1.25
1,2,3,6,7,8-HxCDD	2.5	10	50	200	1000	0.5	1.25
1,2,3,7,8,9-HxCDD	2.5	10	50	200	1000	0.5	1.25
1,2,3,4,7,8-HxCDF	2.5	10	50	200	1000	0.5	1.25
1,2,3,6,7,8-HxCDF	2.5	10	50	200	1000	0.5	1.25
1,2,3,7,8,9-HxCDF	2.5	10	50	200	1000	0.5	1.25
2,3,4,6,7,8-HxCDF	2.5	10	50	200	1000	0.5	1.25
1,2,3,4,6,7,8-HpCDD	2.5	10	50	200	1000	0.5	1.25
1,2,3,4,6,7,8-HpCDF	2.5	10	50	200	1000	0.5	1.25
1,2,3,4,7,8,9-HpCDF	2.5	10	50	200	1000	0.5	1.25
OCDD	5.0	20	100	400	2000	1.0	2.5
OCDF	5.0	20	100	400	2000	1.0	2.5
Labelled PCDDs and PCDFs:							
$^{13}C_{12}$-2,3,7,8-TCDD	100	100	100	100	100	100	100
$^{13}C_{12}$-2,3,7,8-TCDF	100	100	100	100	100	100	100
$^{13}C_{12}$-1,2,3,7,8-PeCDD	100	100	100	100	100	100	100
$^{13}C_{12}$-1,2,3,7,8-PeCDF	100	100	100	100	100	100	100
$^{13}C_{12}$-2,3,4,7,8-PeCDF	100	100	100	100	100	100	100
$^{13}C_{12}$-1,2,3,4,7,8-HxCDD	100	100	100	100	100	100	100
$^{13}C_{12}$-1,2,3,6,7,8-HxCDD	100	100	100	100	100	100	100
$^{13}C_{12}$-1,2,3,4,7,8-HxCDF	100	100	100	100	100	100	100
$^{13}C_{12}$-1,2,3,6,7,8-HxCDF	100	100	100	100	100	100	100
$^{13}C_{12}$-1,2,3,7,8,9-HxCDF	100	100	100	100	100	100	100
$^{13}C_{12}$-2,3,4,6,7,8-HxCDF	100	100	100	100	100	100	100
$^{13}C_{12}$-1,2,3,4,6,7,8-HpCDD	100	100	100	100	100	100	100
$^{13}C_{12}$-1,2,3,4,6,7,8-HpCDF	100	100	100	100	100	100	100
$^{13}C_{12}$-1,2,3,4,7,8,9-HpCDF	100	100	100	100	100	100	100
$^{13}C_{12}$-OCDD	200	200	200	200	200	200	200
Cleanup Standard:							
$^{37}Cl_{4}$-2,3,7,8-TCDD	0.5	2	10	40	200	0.1	0.25
Internal Standards:							
$^{13}C_{12}$-1,2,3,4-TCDD	100	100	100	100	100	100	100
$^{13}C_{12}$-1,2,3,7,8,9-HxCDD	100	100	100	100	100	100	100
Percent toluene (v/v)	3.6%	3.7%	4.2%	6.1%	16.2%	3.6%	3.6%

Certified By: ____________ **Date:** 10/25/2019
B.G. Chittim, General Manager (mm/dd/yyyy)

Table B: EPA-1613CVS; 5-point HRGC/HRMS Calibration and RRF Summary

Calibration RRF Summary				Calibration Standard				
Calibration Filename: 24oct_EPA1613CVS-CAL.QLD				CS1	CS2	CS3	CS4	CS5
Name	Mean	S. D.	%RSD	RRF#1	RRF#2	RRF#3	RRF#4	RRF#5
2,3,7,8-TCDF	0.93	0.013	1.4	0.92	0.95	0.93	0.92	0.95
1,2,3,7,8-PeCDF	0.93	0.015	1.6	0.92	0.92	0.93	0.93	0.95
2,3,4,7,8-PeCDF	1.04	0.019	1.8	1.03	1.02	1.05	1.05	1.07
1,2,3,4,7,8-HxCDF	0.96	0.035	3.7	0.94	0.92	0.98	0.99	1.00
1,2,3,6,7,8-HxCDF	0.93	0.013	1.4	0.92	0.94	0.94	0.91	0.94
2,3,4,6,7,8-HxCDF	0.96	0.022	2.3	0.95	0.94	0.97	0.97	0.99
1,2,3,7,8,9-HxCDF	0.89	0.021	2.4	0.87	0.88	0.90	0.90	0.92
1,2,3,4,6,7,8-HpCDF	0.91	0.011	1.2	0.90	0.90	0.90	0.92	0.92
1,2,3,4,7,8,9-HpCDF	0.91	0.010	1.1	0.90	0.90	0.92	0.91	0.92
OCDF	1.19	0.056	4.7	1.11	1.17	1.19	1.23	1.26
2,3,7,8-TCDD	1.05	0.023	2.2	1.01	1.06	1.05	1.05	1.07
1,2,3,7,8-PeCDD	0.97	0.018	1.9	0.95	0.95	0.98	0.97	0.99
1,2,3,4,7,8-HxCDD	1.00	0.019	1.9	1.01	1.00	1.00	0.96	1.01
1,2,3,6,7,8-HxCDD	0.98	0.032	3.2	0.93	0.98	0.99	1.01	1.01
1,2,3,7,8,9-HxCDD	0.97	0.016	1.6	0.95	0.96	0.98	0.99	0.98
1,2,3,4,6,7,8-HpCDD	1.01	0.025	2.5	1.01	0.97	1.02	1.03	1.04
OCDD	1.00	0.013	1.3	1.00	0.99	1.02	1.02	1.00
$^{13}C_{12}$-2,3,7,8-TCDF	1.57	0.047	3.0	1.52	1.55	1.55	1.57	1.65
$^{13}C_{12}$-1,2,3,7,8-PeCDF	1.21	0.078	6.5	1.13	1.20	1.17	1.20	1.34
$^{13}C_{12}$-2,3,4,7,8-PeCDF	1.17	0.081	6.9	1.09	1.15	1.13	1.17	1.31
$^{13}C_{12}$-1,2,3,4,7,8-HxCDF	1.33	0.020	1.5	1.35	1.33	1.33	1.32	1.30
$^{13}C_{12}$-1,2,3,6,7,8-HxCDF	1.51	0.034	2.2	1.47	1.48	1.53	1.53	1.54
$^{13}C_{12}$-2,3,4,6,7,8-HxCDF	1.38	0.012	0.9	1.38	1.38	1.40	1.37	1.36
$^{13}C_{12}$-1,2,3,7,8,9-HxCDF	1.19	0.014	1.2	1.18	1.16	1.20	1.19	1.20
$^{13}C_{12}$-1,2,3,4,6,7,8-HpCDF	1.31	0.033	2.5	1.31	1.26	1.33	1.31	1.35
$^{13}C_{12}$-1,2,3,4,7,8,9-HpCDF	1.08	0.046	4.3	1.06	1.03	1.09	1.08	1.15
$^{13}C_{12}$-2,3,7,8-TCDD	1.13	0.036	3.2	1.10	1.11	1.11	1.13	1.19
$^{13}C_{12}$-1,2,3,7,8-PeCDD	0.79	0.047	5.9	0.74	0.78	0.75	0.79	0.86
$^{13}C_{12}$-1,2,3,4,7,8-HxCDD	0.87	0.027	3.1	0.85	0.83	0.89	0.88	0.89
$^{13}C_{12}$-1,2,3,6,7,8-HxCDD	1.04	0.010	1.0	1.05	1.05	1.04	1.05	1.03
$^{13}C_{12}$-1,2,3,4,6,7,8-HpCDD	0.81	0.017	2.1	0.81	0.80	0.80	0.81	0.84
$^{13}C_{12}$-OCDD	0.74	0.055	7.4	0.70	0.70	0.73	0.72	0.83
$^{13}C_{12}$-1,2,3,4-TCDD	1.00	0.000	0.00	1.00	1.00	1.00	1.00	1.00
$^{13}C_{12}$-1,2,3,7,8,9-HxCDD	1.00	0.000	0.00	1.00	1.00	1.00	1.00	1.00
$^{37}Cl_4$-2,3,7,8-TCDD	0.97	0.026	2.6	0.95	0.94	0.99	0.99	0.99

Table C: EPA-1613CVS (with EPA-1613CSL and EPA-1613CS0.5); 7-point HRGC/HRMS Calibration and RRF Summary

Calibration RRF Summary				Calibration Standard						
Calibration Filename: 24oct_EPA1613CVS-CAL.QLD				CSL	CS0.5	CS1	CS2	CS3	CS4	CS5
Name	Mean	S. D.	%RSD	RRF#1	RRF#2	RRF#3	RRF#4	RRF#5	RRF#6	RRF#7
2,3,7,8-TCDF	0.92	0.045	4.8	0.96	0.83	0.92	0.95	0.93	0.92	0.95
1,2,3,7,8-PeCDF	0.93	0.013	1.4	0.94	0.92	0.92	0.92	0.93	0.93	0.95
2,3,4,7,8-PeCDF	1.02	0.058	5.7	0.90	1.00	1.03	1.02	1.05	1.05	1.07
1,2,3,4,7,8-HxCDF	0.96	0.029	3.0	0.96	0.97	0.94	0.92	0.98	0.99	1.00
1,2,3,6,7,8-HxCDF	0.92	0.030	3.3	0.90	0.86	0.92	0.94	0.94	0.91	0.94
2,3,4,6,7,8-HxCDF	0.94	0.047	5.0	0.87	0.89	0.95	0.94	0.97	0.97	0.99
1,2,3,7,8,9-HxCDF	0.88	0.029	3.3	0.83	0.88	0.87	0.88	0.90	0.90	0.92
1,2,3,4,6,7,8-HpCDF	0.90	0.033	3.7	0.83	0.93	0.90	0.90	0.90	0.92	0.92
1,2,3,4,7,8,9-HpCDF	0.91	0.018	1.9	0.89	0.94	0.90	0.90	0.92	0.91	0.92
OCDF	1.18	0.052	4.4	1.15	1.14	1.11	1.17	1.19	1.23	1.26
2,3,7,8-TCDD	1.03	0.051	5.0	1.03	0.92	1.01	1.06	1.05	1.05	1.07
1,2,3,7,8-PeCDD	0.95	0.042	4.4	0.87	0.98	0.95	0.95	0.98	0.97	0.99
1,2,3,4,7,8-HxCDD	0.97	0.066	6.8	0.83	0.98	1.01	1.00	1.00	0.96	1.01
1,2,3,6,7,8-HxCDD	0.96	0.044	4.5	0.90	0.92	0.93	0.98	0.99	1.01	1.01
1,2,3,7,8,9-HxCDD	0.94	0.054	5.7	0.83	0.92	0.95	0.96	0.98	0.99	0.98
1,2,3,4,6,7,8-HpCDD	1.01	0.033	3.3	0.95	1.03	1.01	0.97	1.02	1.03	1.04
OCDD	1.00	0.023	2.3	0.95	1.00	1.00	0.99	1.02	1.02	1.00
$^{13}C_{12}$-2,3,7,8-TCDF	1.56	0.042	2.7	1.52	1.54	1.52	1.55	1.55	1.57	1.65
$^{13}C_{12}$-1,2,3,7,8-PeCDF	1.20	0.066	5.5	1.18	1.17	1.13	1.20	1.17	1.20	1.34
$^{13}C_{12}$-2,3,4,7,8-PeCDF	1.16	0.071	6.1	1.12	1.13	1.09	1.15	1.13	1.17	1.31
$^{13}C_{12}$-1,2,3,4,7,8-HxCDF	1.33	0.018	1.4	1.32	1.35	1.35	1.33	1.33	1.32	1.30
$^{13}C_{12}$-1,2,3,6,7,8-HxCDF	1.53	0.045	3.0	1.60	1.56	1.47	1.48	1.53	1.53	1.54
$^{13}C_{12}$-2,3,4,6,7,8-HxCDF	1.39	0.019	1.4	1.39	1.42	1.38	1.38	1.40	1.37	1.36
$^{13}C_{12}$-1,2,3,7,8,9-HxCDF	1.19	0.012	1.0	1.19	1.19	1.18	1.16	1.20	1.19	1.20
$^{13}C_{12}$-1,2,3,4,6,7,8-HpCDF	1.31	0.028	2.2	1.30	1.33	1.31	1.26	1.33	1.31	1.35
$^{13}C_{12}$-1,2,3,4,7,8,9-HpCDF	1.07	0.045	4.2	1.02	1.08	1.06	1.03	1.09	1.08	1.15
$^{13}C_{12}$-2,3,7,8-TCDD	1.12	0.033	3.0	1.09	1.11	1.10	1.11	1.11	1.13	1.19
$^{13}C_{12}$-1,2,3,7,8-PeCDD	0.78	0.040	5.1	0.75	0.78	0.74	0.78	0.75	0.79	0.86
$^{13}C_{12}$-1,2,3,4,7,8-HxCDD	0.87	0.025	2.9	0.86	0.90	0.85	0.83	0.89	0.88	0.89
$^{13}C_{12}$-1,2,3,6,7,8-HxCDD	1.05	0.015	1.5	1.08	1.06	1.05	1.05	1.04	1.05	1.03
$^{13}C_{12}$-1,2,3,4,6,7,8-HpCDD	0.81	0.016	2.0	0.79	0.81	0.81	0.80	0.80	0.81	0.84
$^{13}C_{12}$-OCDD	0.73	0.046	6.3	0.71	0.72	0.70	0.70	0.73	0.72	0.83
$^{13}C_{12}$-1,2,3,4-TCDD	1.00	0.000	0.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
$^{13}C_{12}$-1,2,3,7,8,9-HxCDD	1.00	0.000	0.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
$^{37}Cl_4$-2,3,7,8-TCDD	0.97	0.053	5.4	0.90	1.07	0.95	0.94	0.99	0.99	0.99

Figure 1: **EPA-1613CS3; HRGC/HRMS Data (60 m DB-5 Column)**

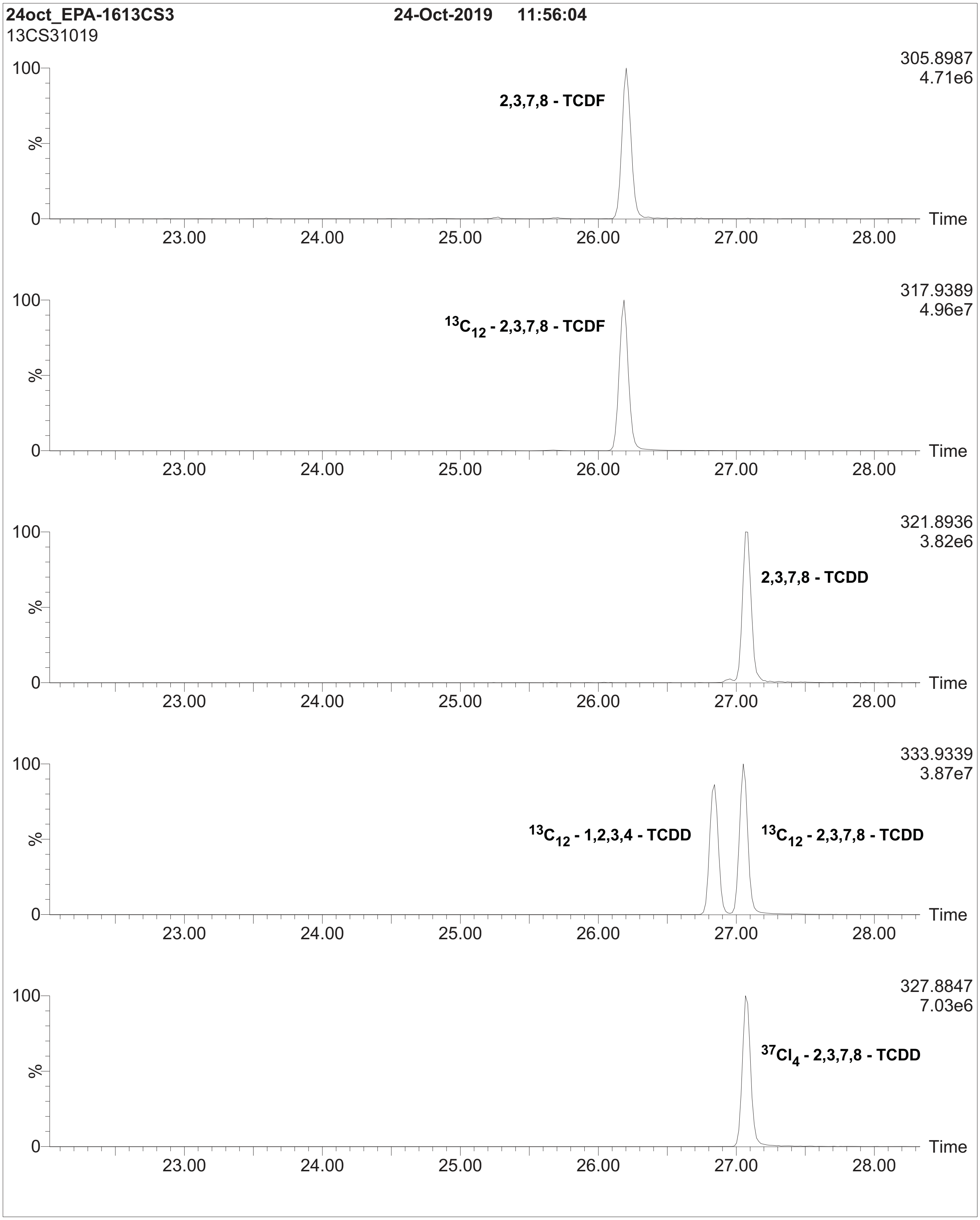


Figure 1: EPA-1613CS3; HRGC/HRMS Data (60 m DB-5 Column)

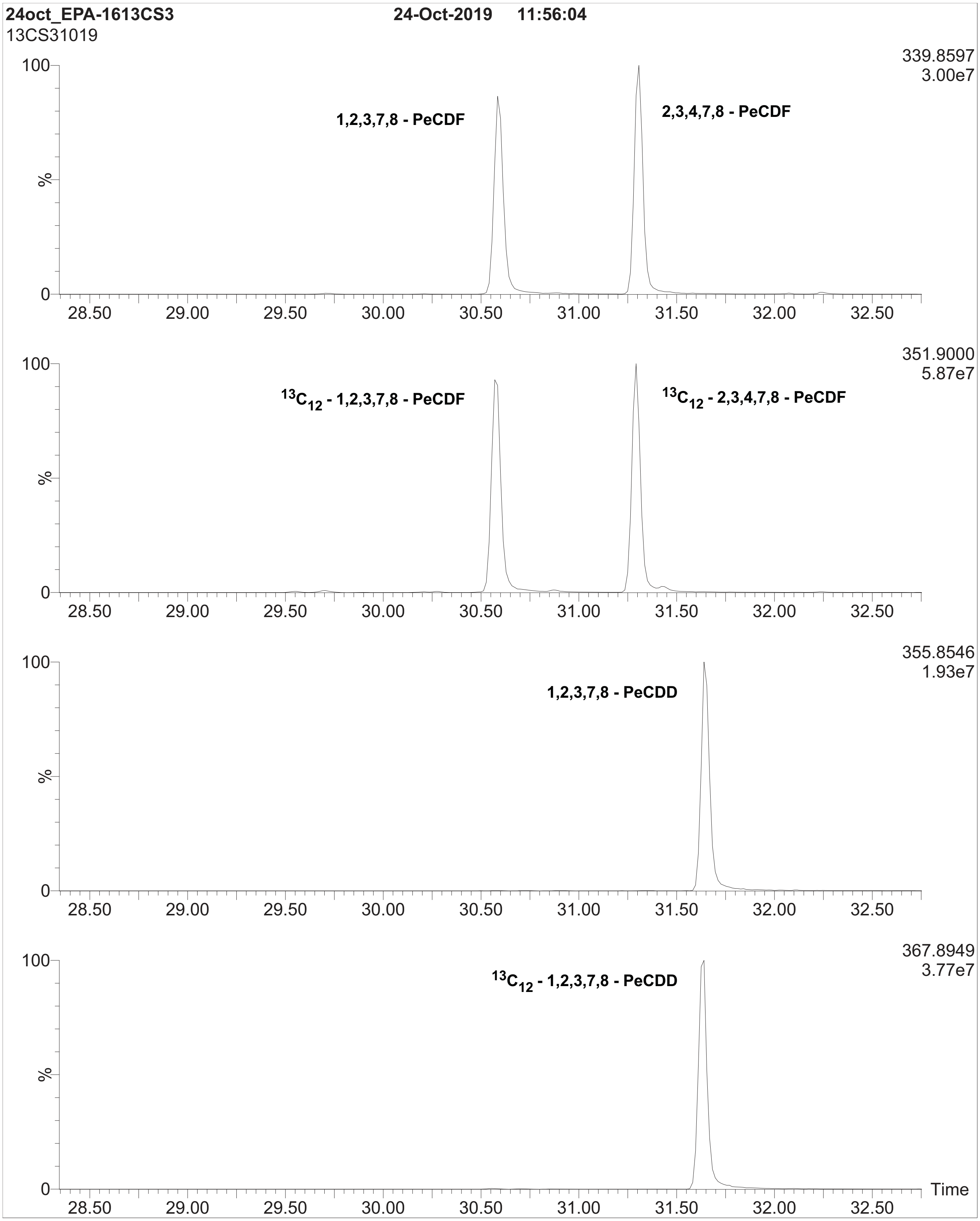


Figure 1: EPA-1613CS3; HRGC/HRMS Data (60 m DB-5 Column)

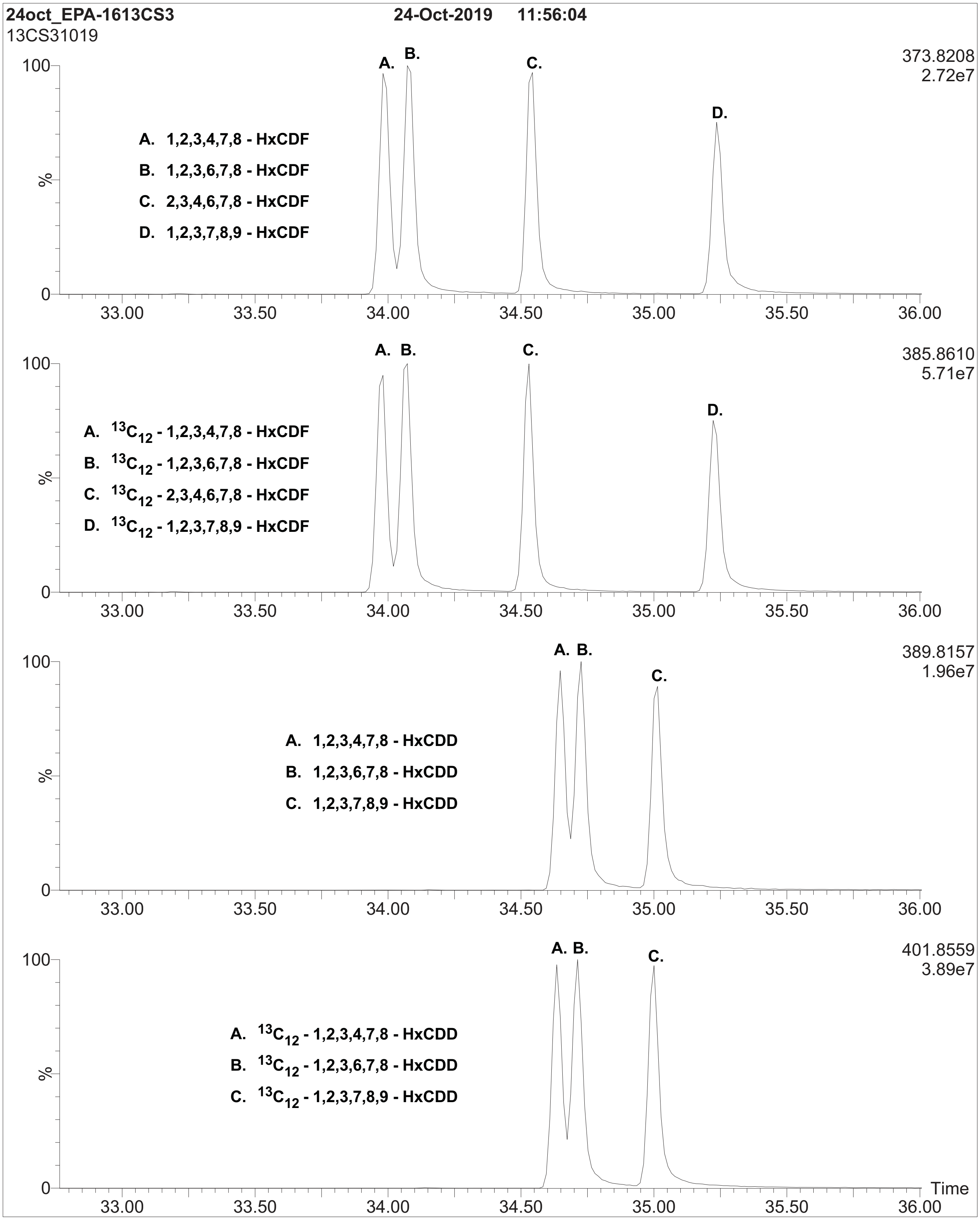


Figure 1: EPA-1613CS3; HRGC/HRMS Data (60 m DB-5 Column)

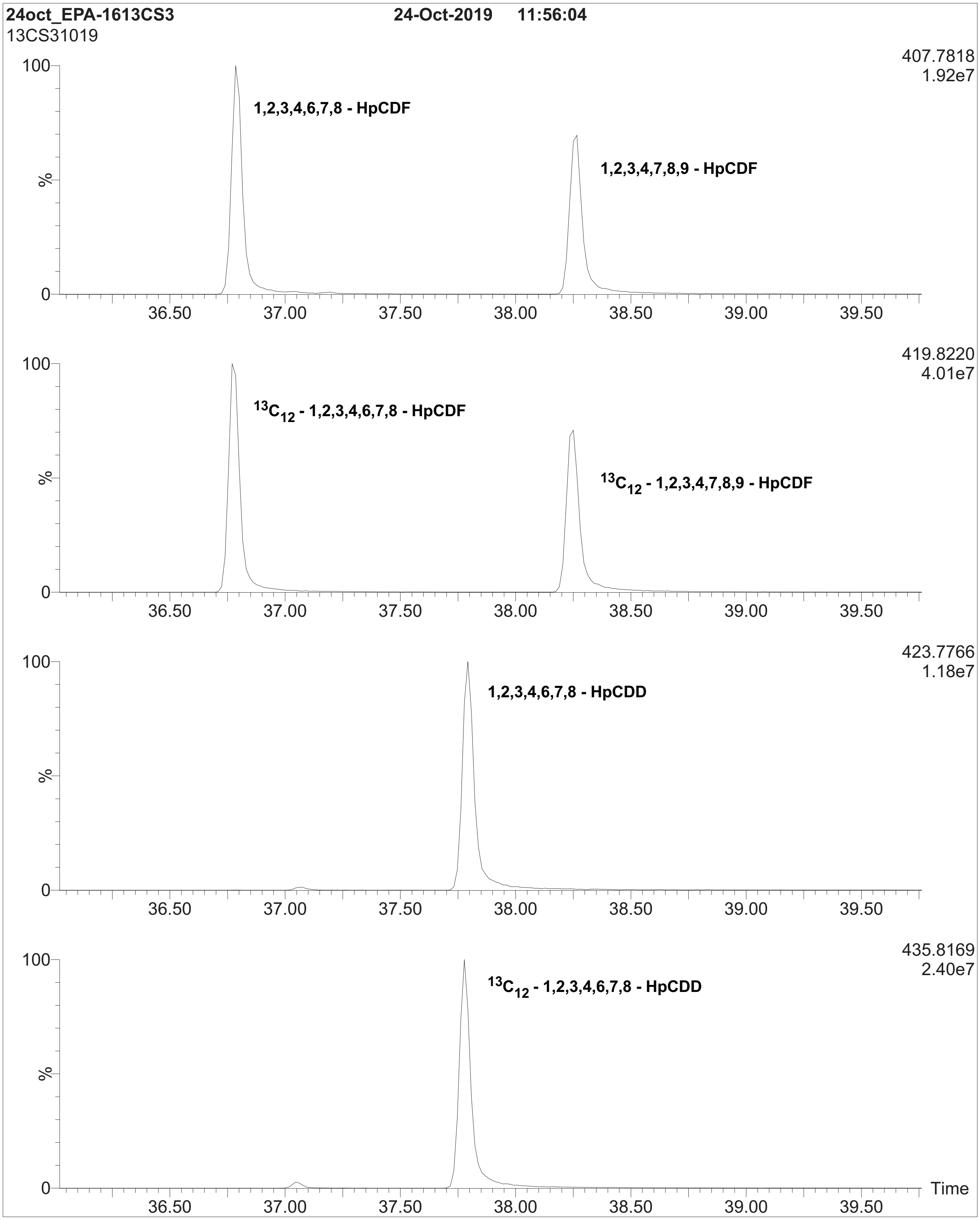
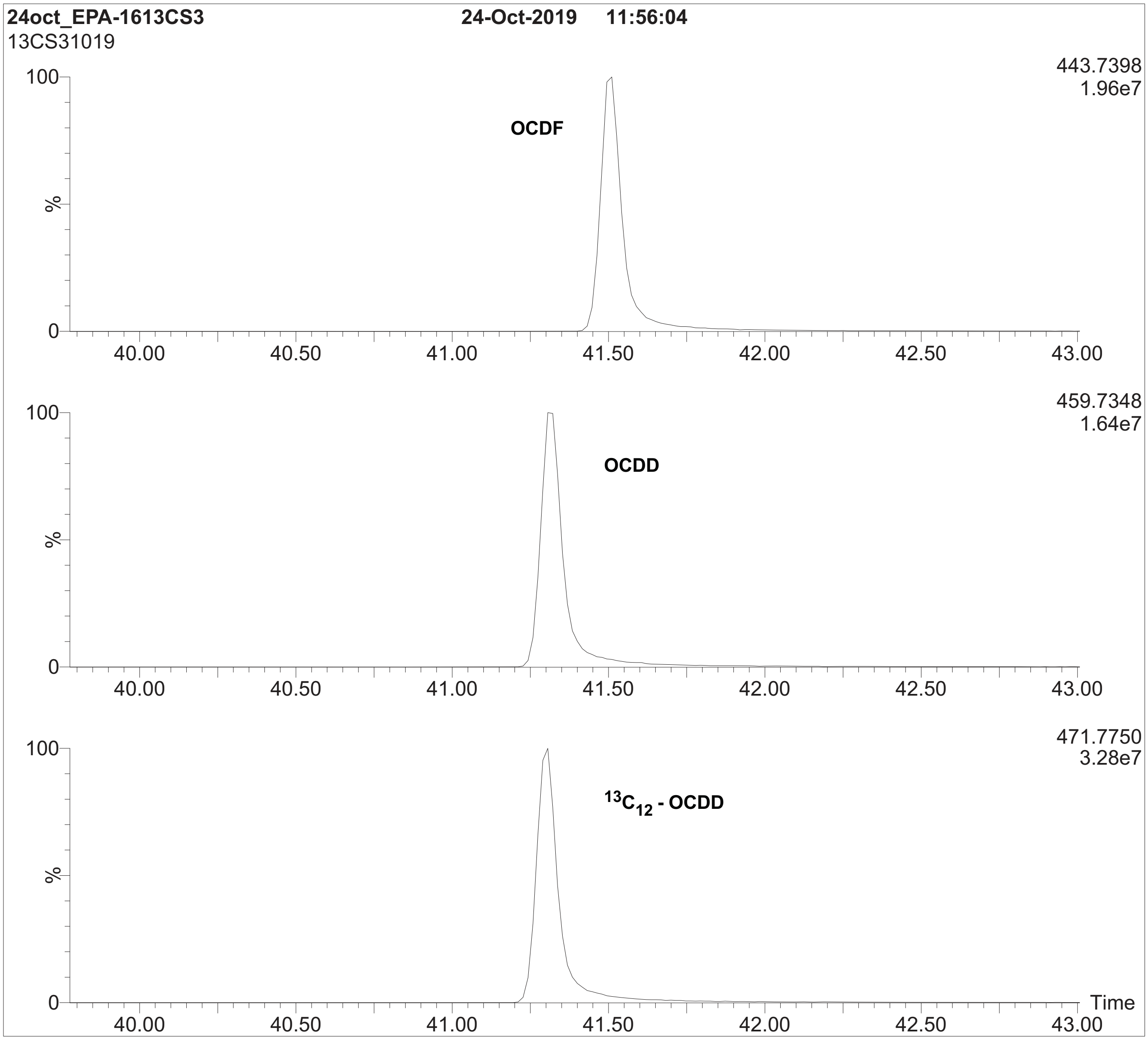


Figure 1: **EPA-1613CS3; HRGC/HRMS Data (60 m DB-5 Column)**



HRGC/HRMS:

Agilent 6890N (HRGC)
Autospec Ultima (HRMS)

Chromatographic Conditions:

Column: 60 m DB-5 (0.25 mm id, 0.25 µm film thickness) Agilent J&W

Flow: Constant at 1 ml/min
Injector: 280 °C (Splitless Injection)
Ionization: EI+
Detector: 280 °C
SIR at 10,000 mass resolving power

Oven:
150 °C (1 min)
12 °C/min to 200 °C
3 °C/min to 235 °C
235 °C (8 min)
8 °C/min to 310 °C
310 °C (8 min)

WELLINGTON
LABORATORIES

CERTIFICATE OF ANALYSIS
DOCUMENTATION

EPA-1613PAR

U.S. EPA Method 1613 Native PCDD/PCDF
Precision and Recovery Stock Solution

PRODUCT CODE:	EPA-1613PAR
LOT NUMBER:	13PAR1021
SOLVENT(S):	Nonane/Toluene
DATE PREPARED: (mm/dd/yyyy)	10/25/2021
LAST TESTED: (mm/dd/yyyy)	11/03/2021
EXPIRY DATE: (mm/dd/yyyy)	11/03/2028
RECOMMENDED STORAGE:	Store ampoule in a cool, dark place

J013397
Recd. JR
12/20/21

DESCRIPTION:

EPA-1613PAR is a solution/mixture of all the 2,3,7,8-substituted polychlorinated dibenzo-*p*-dioxins (PCDDs) and dibenzofurans (PCDFs). The components and their concentrations are given in Table A.

EPA-1613PAR was designed and prepared to be used according to U.S. EPA Method 1613, Revision B.

The individual PCDDs and PCDFs all have chemical purities of >98%.

DOCUMENTATION/ DATA ATTACHED:

Table A: Components and Concentrations of the Solution/Mixture
Figure 1: HRGC/HRMS Data (SIR; 10,000 mass resolving power)

ADDITIONAL INFORMATION:

- See page 2 for further details.

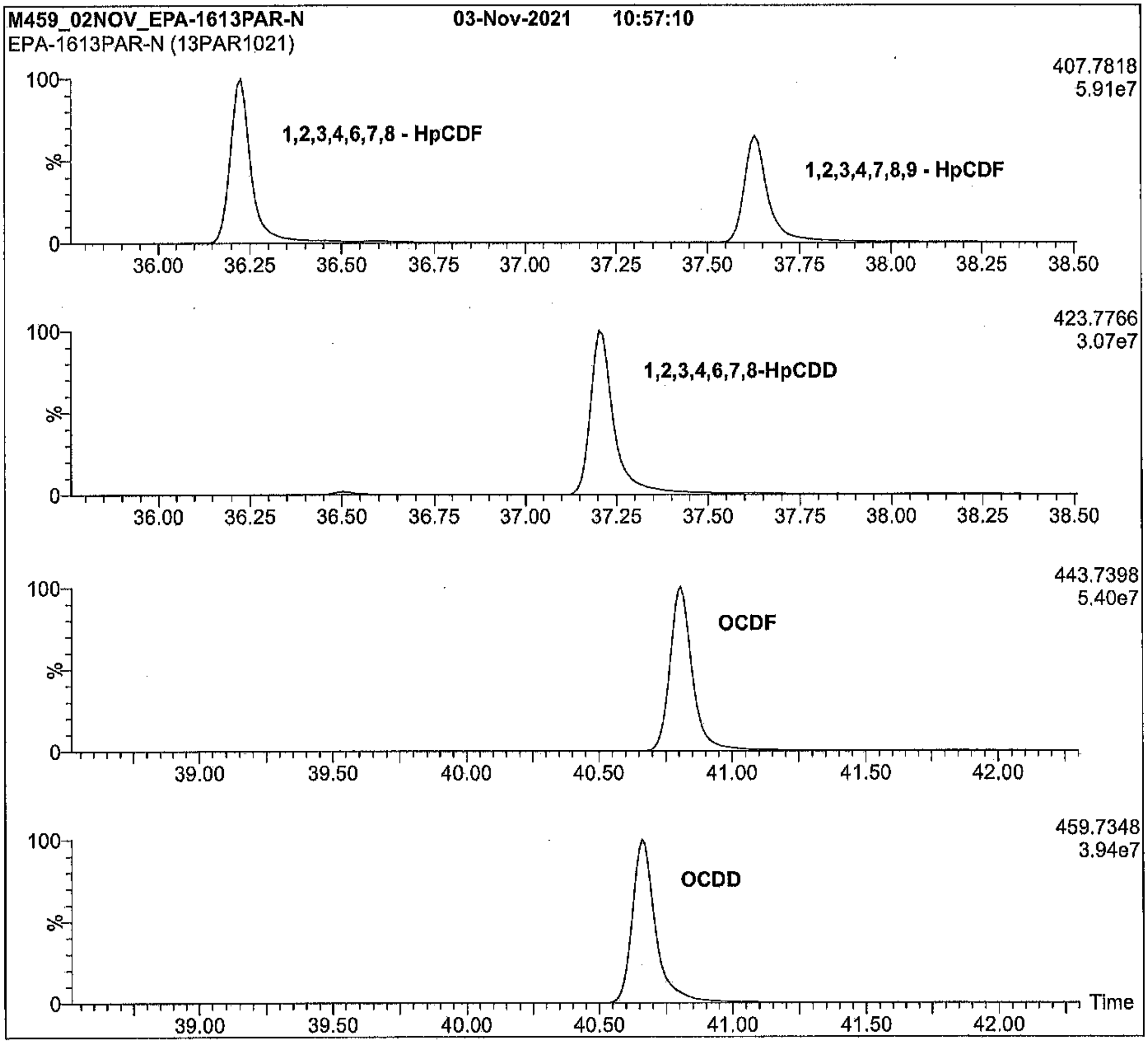
FOR LABORATORY USE ONLY: NOT FOR HUMAN OR DRUG USE

Table A: **EPA-1613PAR; Components and Concentrations (ng/mL, ± 5% in nonane/2.4% toluene)**

Compound	**Acronym**	**CAS #**	**Concentration (ng/mL)**
PCDDs:			
2,3,7,8-Tetrachlorodibenzo-*p*-dioxin	2,3,7,8-TCDD	1746-01-6	40.0
1,2,3,7,8-Pentachlorodibenzo-*p*-dioxin	1,2,3,7,8-PeCDD	40321-76-4	200
1,2,3,4,7,8-Hexachlorodibenzo-*p*-dioxin	1,2,3,4,7,8-HxCDD	39227-28-6	200
1,2,3,6,7,8-Hexachlorodibenzo-*p*-dioxin	1,2,3,6,7,8-HxCDD	57653-85-7	200
1,2,3,7,8,9-Hexachlorodibenzo-*p*-dioxin	1,2,3,7,8,9-HxCDD	19408-74-3	200
1,2,3,4,6,7,8-Heptachlorodibenzo-*p*-dioxin	1,2,3,4,6,7,8-HpCDD	35822-46-9	200
Octachlorodibenzo-*p*-dioxin	OCDD	3268-87-9	400
PCDFs:			
2,3,7,8-Tetrachlorodibenzofuran	2,3,7,8-TCDF	51207-31-9	40.0
1,2,3,7,8-Pentachlorodibenzofuran	1,2,3,7,8-PeCDF	57117-41-6	200
2,3,4,7,8-Pentachlorodibenzofuran	2,3,4,7,8-PeCDF	57117-31-4	200
1,2,3,4,7,8-Hexachlorodibenzofuran	1,2,3,4,7,8-HxCDF	70648-26-9	200
1,2,3,6,7,8-Hexachlorodibenzofuran	1,2,3,6,7,8-HxCDF	57117-44-9	200
1,2,3,7,8,9-Hexachlorodibenzofuran	1,2,3,7,8,9-HxCDF	72918-21-9	200
2,3,4,6,7,8-Hexachlorodibenzofuran	2,3,4,6,7,8-HxCDF	60851-34-5	200
1,2,3,4,6,7,8-Heptachlorodibenzofuran	1,2,3,4,6,7,8-HpCDF	67562-39-4	200
1,2,3,4,7,8,9-Heptachlorodibenzofuran	1,2,3,4,7,8,9-HpCDF	55673-89-7	200
Octachlorodibenzofuran	OCDF	39001-02-0	400

Certified By: ______________ **Date:** 11/05/2021
B.G. Chittim, General Manager (mm/dd/yyyy)

Figure 1: **EPA-1613PAR; HRGC/HRMS Data (60 m DB-5 Column)**



Conditions for Figure 1:

Agilent 6890N HRGC
Autospec Ultima HRMS

Chromatographic Conditions:

Column: 60 m DB-5 (0.25 mm id, 0.25 µm film thickness) Agilent J&W

Flow:	Constant at 1.4 mL/min	Oven:	150°C (1 min)
Injector:	280°C (Splitless Injection)		12°C/min to 200°C
Ionization:	EI+		3°C/min to 235°C
Detector:	280°C		235°C (8 min)
	SIR at 10,000 mass resolving power		8°C/min to 310°C
			310°C (8 min)

WELLINGTON
LABORATORIES

CERTIFICATE OF ANALYSIS
DOCUMENTATION

EPA-1613PAR

U.S. EPA Method 1613 Native PCDD/PCDF
Precision and Recovery Stock Solution

PRODUCT CODE:	EPA-1613PAR
LOT NUMBER:	13PAR1021
SOLVENT(S):	Nonane/Toluene
DATE PREPARED: (mm/dd/yyyy)	10/25/2021
LAST TESTED: (mm/dd/yyyy)	11/03/2021
EXPIRY DATE: (mm/dd/yyyy)	11/03/2028
RECOMMENDED STORAGE:	Store ampoule in a cool, dark place

J013397
Rec'd. JR
12/20/21

DESCRIPTION:

EPA-1613PAR is a solution/mixture of all the 2,3,7,8-substituted polychlorinated dibenzo-*p*-dioxins (PCDDs) and dibenzofurans (PCDFs). The components and their concentrations are given in Table A.

EPA-1613PAR was designed and prepared to be used according to U.S. EPA Method 1613, Revision B.

The individual PCDDs and PCDFs all have chemical purities of >98%.

DOCUMENTATION/ DATA ATTACHED:

Table A: Components and Concentrations of the Solution/Mixture
Figure 1: HRGC/HRMS Data (SIR; 10,000 mass resolving power)

ADDITIONAL INFORMATION:

- See page 2 for further details.

FOR LABORATORY USE ONLY: NOT FOR HUMAN OR DRUG USE

INTENDED USE:

The products prepared by Wellington Laboratories Inc. are for laboratory use only. This certified reference material (CRM) was designed to be used as a standard for the identification and/or quantification of the specific chemical compounds it contains.

HANDLING:

This product should only be used by qualified personnel familiar with its potential hazards and trained in the handling of hazardous chemicals. Due care should be exercised to prevent unnecessary human contact or ingestion. All procedures should be carried out in a well-functioning fume hood and suitable gloves, eye protection, and clothing should be worn at all times. Waste should be disposed of according to national and regional regulations. Safety Data Sheets (SDSs) are available upon request.

SYNTHESIS / CHARACTERIZATION:

Our products are synthesized using single-product unambiguous routes whenever possible. They are then characterized, and their structures and purities confirmed, using a combination of the most relevant techniques, such as NMR, GC/MS, LC/MS/MS, SFC/UV/MS/MS, x-ray crystallography, and melting point. Isotopic purities of mass-labelled compounds are also confirmed using HRGC/HRMS and/or LC/MS/MS.

HOMOGENEITY:

Prior to solution preparation, crystalline material is tested for homogeneity using a variety of techniques (as stated above) and its solubility in a given diluent is taken into consideration. Duplicate solutions of a new product are prepared from the same crystalline lot and, after the addition of an appropriate internal standard, they are compared by GC/MS, LC/MS/MS, and/or SFC/UV/MS/MS. The relative response factors of the analyte of interest in each solution are required to be <5% RSD. New solution lots of existing products, as well as mixtures and calibration solutions, are compared to older lots in a similar manner. This further confirms the homogeneity of the crystalline material as well as the stability and homogeneity of the solutions in the storage containers. In order to maintain the integrity of the assigned value(s), and associated uncertainty, the dilution or injection of a subsample of this product should be performed using calibrated measuring equipment.

UNCERTAINTY:

The maximum combined relative standard uncertainty of our reference standard solutions is calculated using the following equation:

The combined relative standard uncertainty, $u_c(y)$, of a value y and the uncertainty of the independent parameters $x_1, x_2,...x_n$ on which it depends is:

$$u_c(y(x_1, x_2,...x_n)) = \sqrt{\sum_{i=1}^{n} u(y, x_i)^2}$$

where x is expressed as a relative standard uncertainty of the individual parameter.

The individual uncertainties taken into account include those associated with weights (calibration of the balance) and volumes (calibration of the volumetric glassware). An expanded maximum combined percent relative uncertainty of ±5% (calculated with a coverage factor of 2 and a level of confidence of 95%) is stated on the Certificate of Analysis for all of our products.

TRACEABILITY:

All reference standard solutions are traceable to specific crystalline lots. The microbalances used for solution preparation are regularly calibrated by an external ISO/IEC 17025 accredited laboratory. In addition, their calibration is verified prior to each weighing using calibrated external weights traceable to an ISO/IEC 17025 accredited laboratory. All volumetric glassware used is calibrated, of Class A tolerance, and traceable to an ISO/IEC 17025 accredited laboratory. For certain products, traceability to international interlaboratory studies has also been established.

EXPIRY DATE / PERIOD OF VALIDITY:

Ongoing stability studies of this product have demonstrated stability in its composition and concentration, until the specified expiry date, in the unopened ampoule. Monitoring for any degradation or change in concentration of the listed analyte(s) is performed on a routine basis.

LIMITED WARRANTY:

At the time of shipment, all products are warranted to be free of defects in material and workmanship and to conform to the stated technical and purity specifications.

QUALITY MANAGEMENT:

This product was produced using a Quality Management System registered to the latest versions of ISO 9001 by SAI Global, ISO/IEC 17025 by the Canadian Association for Laboratory Accreditation Inc. (CALA; A1226), and ISO 17034 by ANSI National Accreditation Board (ANAB; AR-1523).

CALA
Testing
Accreditation No. A1226

ANAB
ANSI National Accreditation Board
ACCREDITED
ISO 17034
REFERENCE MATERIAL PRODUCER

For additional information or assistance concerning this or any other products from Wellington Laboratories Inc., please visit our website at www.well-labs.com or contact us directly at info@well-labs.com

Table A: **EPA-1613PAR; Components and Concentrations (ng/mL, ± 5% in nonane/2.4% toluene)**

Compound	Acronym	CAS #	Concentration (ng/mL)
PCDDs:			
2,3,7,8-Tetrachlorodibenzo-*p*-dioxin	2,3,7,8-TCDD	1746-01-6	40.0
1,2,3,7,8-Pentachlorodibenzo-*p*-dioxin	1,2,3,7,8-PeCDD	40321-76-4	200
1,2,3,4,7,8-Hexachlorodibenzo-*p*-dioxin	1,2,3,4,7,8-HxCDD	39227-28-6	200
1,2,3,6,7,8-Hexachlorodibenzo-*p*-dioxin	1,2,3,6,7,8-HxCDD	57653-85-7	200
1,2,3,7,8,9-Hexachlorodibenzo-*p*-dioxin	1,2,3,7,8,9-HxCDD	19408-74-3	200
1,2,3,4,6,7,8-Heptachlorodibenzo-*p*-dioxin	1,2,3,4,6,7,8-HpCDD	35822-46-9	200
Octachlorodibenzo-*p*-dioxin	OCDD	3268-87-9	400
PCDFs:			
2,3,7,8-Tetrachlorodibenzofuran	2,3,7,8-TCDF	51207-31-9	40.0
1,2,3,7,8-Pentachlorodibenzofuran	1,2,3,7,8-PeCDF	57117-41-6	200
2,3,4,7,8-Pentachlorodibenzofuran	2,3,4,7,8-PeCDF	57117-31-4	200
1,2,3,4,7,8-Hexachlorodibenzofuran	1,2,3,4,7,8-HxCDF	70648-26-9	200
1,2,3,6,7,8-Hexachlorodibenzofuran	1,2,3,6,7,8-HxCDF	57117-44-9	200
1,2,3,7,8,9-Hexachlorodibenzofuran	1,2,3,7,8,9-HxCDF	72918-21-9	200
2,3,4,6,7,8-Hexachlorodibenzofuran	2,3,4,6,7,8-HxCDF	60851-34-5	200
1,2,3,4,6,7,8-Heptachlorodibenzofuran	1,2,3,4,6,7,8-HpCDF	67562-39-4	200
1,2,3,4,7,8,9-Heptachlorodibenzofuran	1,2,3,4,7,8,9-HpCDF	55673-89-7	200
Octachlorodibenzofuran	OCDF	39001-02-0	400

Certified By: ______________ **Date:** 11/05/2021
B.G. Chittim, General Manager (mm/dd/yyyy)

Figure 1: EPA-1613PAR; HRGC/HRMS Data (60 m DB-5 Column)

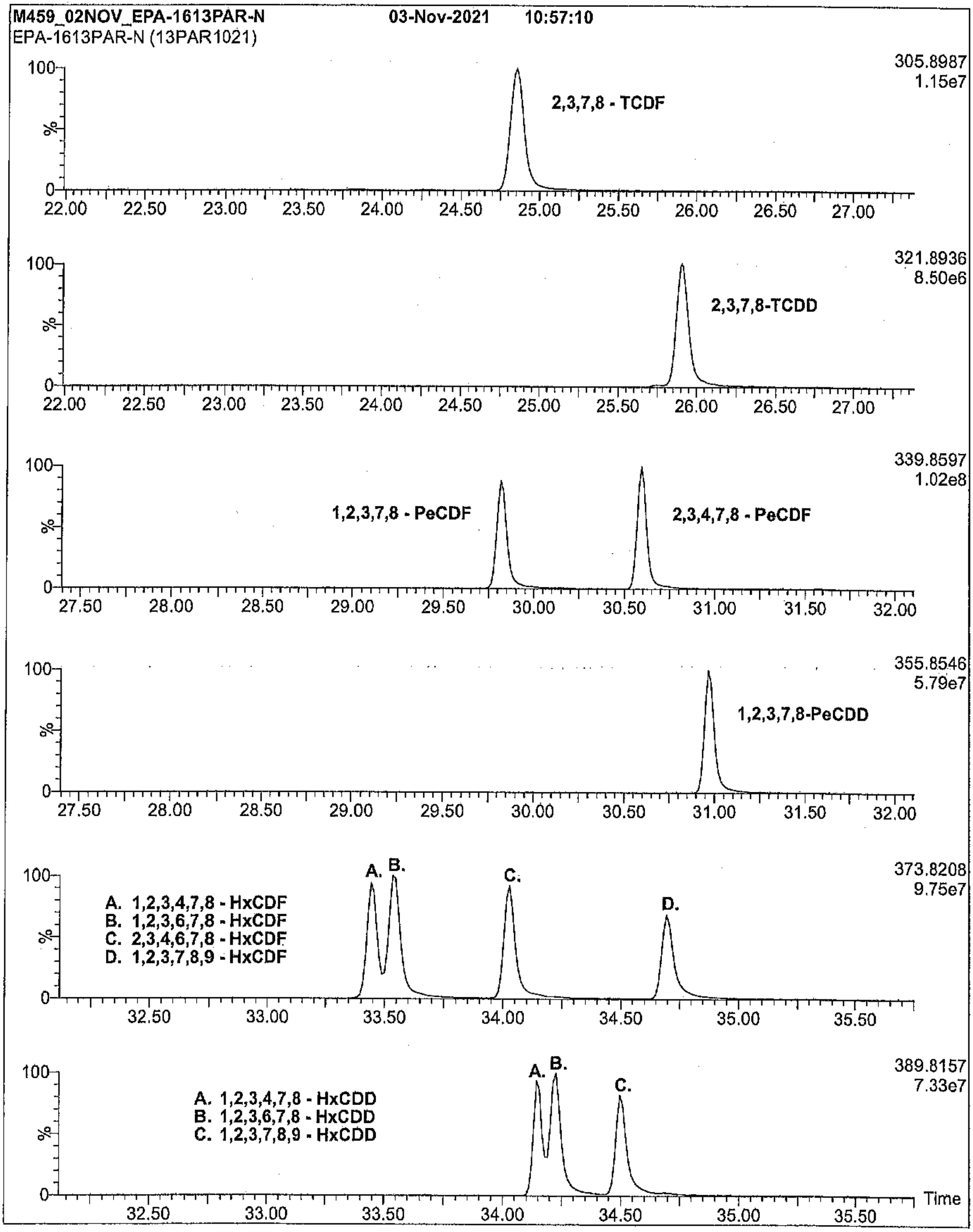
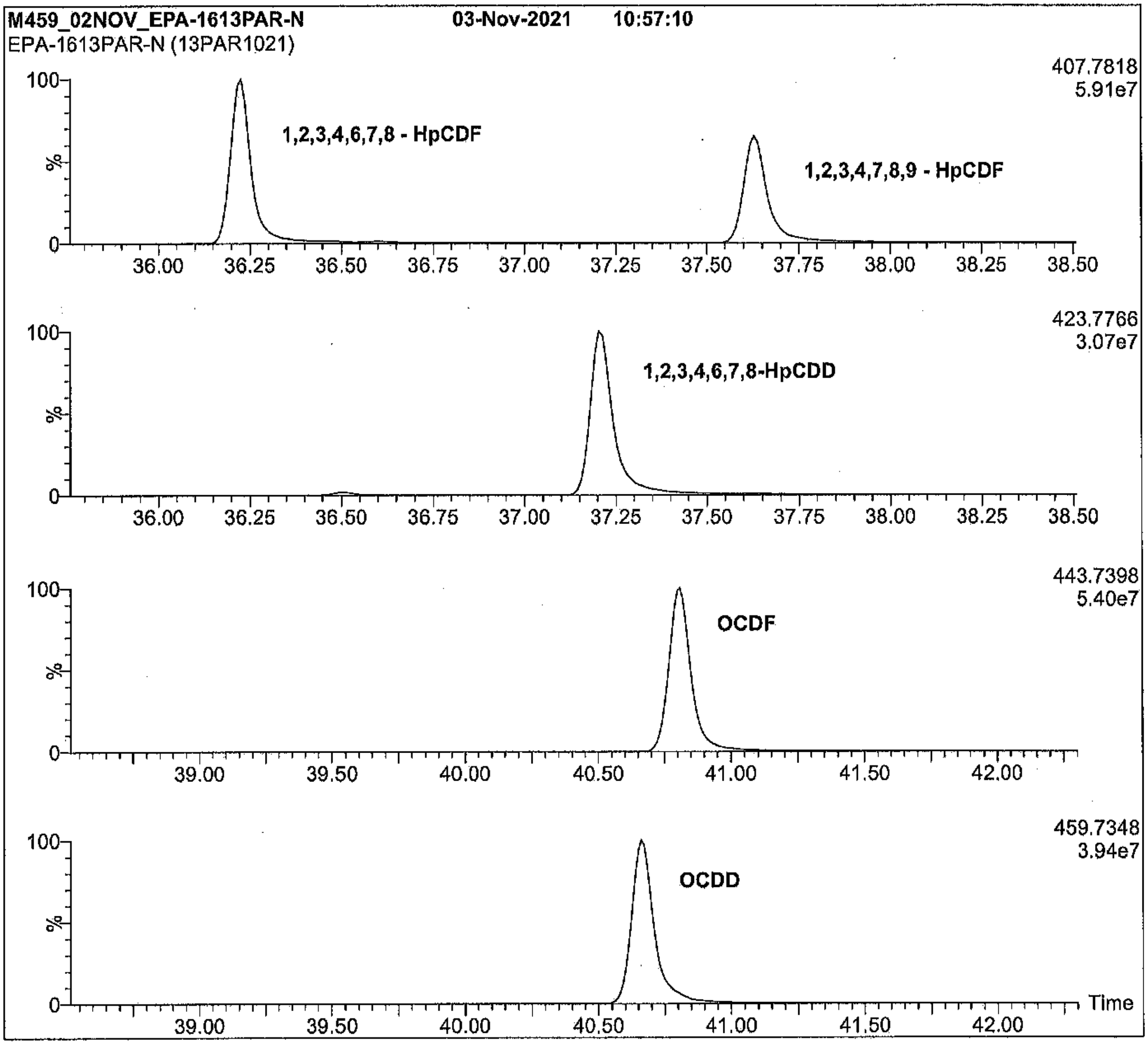


Figure 1: **EPA-1613PAR; HRGC/HRMS Data (60 m DB-5 Column)**



Conditions for Figure 1:

Agilent 6890N HRGC
Autospec Ultima HRMS

Chromatographic Conditions:

Column: 60 m DB-5 (0.25 mm id, 0.25 µm film thickness) Agilent J&W

Flow: Constant at 1.4 mL/min
Injector: 280°C (Splitless Injection)
Ionization: EI+
Detector: 280°C
SIR at 10,000 mass resolving power

Oven:
150°C (1 min)
12°C/min to 200°C
3°C/min to 235°C
235°C (8 min)
8°C/min to 310°C
310°C (8 min)

WELLINGTON
LABORATORIES

CERTIFICATE OF ANALYSIS
DOCUMENTATION

EPA-1613CSS

U.S. EPA Method 1613 Cleanup Standard
Spiking Solution

PRODUCT CODE:	EPA-1613CSS
LOT NUMBER:	13CSS1021
SOLVENT(S):	Nonane
DATE PREPARED: (mm/dd/yyyy)	10/29/2021
LAST TESTED: (mm/dd/yyyy)	10/31/2021
EXPIRY DATE: (mm/dd/yyyy)	10/31/2028
RECOMMENDED STORAGE:	Store ampoule in a cool, dark place

DESCRIPTION: K003104

EPA-1613CSS contains 2,3,7,8-($^{37}Cl_4$)tetrachlorodibenzo-*p*-dioxin at the concentration given in Table A.

EPA-1613CSS was designed and prepared to be used according to U.S. EPA Method 1613, Revision B.

2,3,7,8-($^{37}Cl_4$)Tetrachlorodibenzo-*p*-dioxin has a chemical purity of >98% and an isotopic (^{37}Cl) purity of ≥95%.

DOCUMENTATION/ DATA ATTACHED:

Table A: Components and Concentrations of the Solution
Figure 1: HRGC/HRMS Data (SIR; 10,000 mass resolving power)

ADDITIONAL INFORMATION:

- See page 2 for further details.

Table A: **EPA-1613CSS; Components and Concentrations (ng/mL, ± 5% in nonane)**

Compound	Acronym	CAS #	Concentration (ng/mL)
2,3,7,8-($^{37}Cl_4$)Tetrachlorodibenzo-*p*-dioxin	$^{37}Cl_4$-2,3,7,8-TCDD	85508-50-5	40.0

FOR LABORATORY USE ONLY: NOT FOR HUMAN OR DRUG USE

Certified By: B.G. Chittim, General Manager

Date: 11/05/2021 (mm/dd/yyyy)

INTENDED USE:

The products prepared by Wellington Laboratories Inc. are for laboratory use only. This certified reference material (CRM) was designed to be used as a standard for the identification and/or quantification of the specific chemical compounds it contains.

HANDLING:

This product should only be used by qualified personnel familiar with its potential hazards and trained in the handling of hazardous chemicals. Due care should be exercised to prevent unnecessary human contact or ingestion. All procedures should be carried out in a well-functioning fume hood and suitable gloves, eye protection, and clothing should be worn at all times. Waste should be disposed of according to national and regional regulations. Safety Data Sheets (SDSs) are available upon request.

SYNTHESIS / CHARACTERIZATION:

Our products are synthesized using single-product unambiguous routes whenever possible. They are then characterized, and their structures and purities confirmed, using a combination of the most relevant techniques, such as NMR, GC/MS, LC/MS/MS, SFC/UV/MS/MS, x-ray crystallography, and melting point. Isotopic purities of mass-labelled compounds are also confirmed using HRGC/HRMS and/or LC/MS/MS.

HOMOGENEITY:

Prior to solution preparation, crystalline material is tested for homogeneity using a variety of techniques (as stated above) and its solubility in a given diluent is taken into consideration. Duplicate solutions of a new product are prepared from the same crystalline lot and, after the addition of an appropriate internal standard, they are compared by GC/MS, LC/MS/MS, and/or SFC/UV/MS/MS. The relative response factors of the analyte of interest in each solution are required to be <5% RSD. New solution lots of existing products, as well as mixtures and calibration solutions, are compared to older lots in a similar manner. This further confirms the homogeneity of the crystalline material as well as the stability and homogeneity of the solutions in the storage containers. In order to maintain the integrity of the assigned value(s), and associated uncertainty, the dilution or injection of a subsample of this product should be performed using calibrated measuring equipment.

UNCERTAINTY:

The maximum combined relative standard uncertainty of our reference standard solutions is calculated using the following equation:

The combined relative standard uncertainty, $u_c(y)$, of a value y and the uncertainty of the independent parameters $x_1, x_2, \ldots x_n$ on which it depends is:

$$u_c(y(x_1, x_2, \ldots x_n)) = \sqrt{\sum_{i=1}^{n} u(y, x_i)^2}$$

where x is expressed as a relative standard uncertainty of the individual parameter.

The individual uncertainties taken into account include those associated with weights (calibration of the balance) and volumes (calibration of the volumetric glassware). An expanded maximum combined percent relative uncertainty of ±5% (calculated with a coverage factor of 2 and a level of confidence of 95%) is stated on the Certificate of Analysis for all of our products.

TRACEABILITY:

All reference standard solutions are traceable to specific crystalline lots. The microbalances used for solution preparation are regularly calibrated by an external ISO/IEC 17025 accredited laboratory. In addition, their calibration is verified prior to each weighing using calibrated external weights traceable to an ISO/IEC 17025 accredited laboratory. All volumetric glassware used is calibrated, of Class A tolerance, and traceable to an ISO/IEC 17025 accredited laboratory. For certain products, traceability to international interlaboratory studies has also been established.

EXPIRY DATE / PERIOD OF VALIDITY:

Ongoing stability studies of this product have demonstrated stability in its composition and concentration, until the specified expiry date, in the unopened ampoule. Monitoring for any degradation or change in concentration of the listed analyte(s) is performed on a routine basis.

LIMITED WARRANTY:

At the time of shipment, all products are warranted to be free of defects in material and workmanship and to conform to the stated technical and purity specifications.

QUALITY MANAGEMENT:

This product was produced using a Quality Management System registered to the latest versions of ISO 9001 by SAI Global, ISO/IEC 17025 by the Canadian Association for Laboratory Accreditation Inc. (CALA; A1226), and ISO 17034 by ANSI National Accreditation Board (ANAB; AR-1523).

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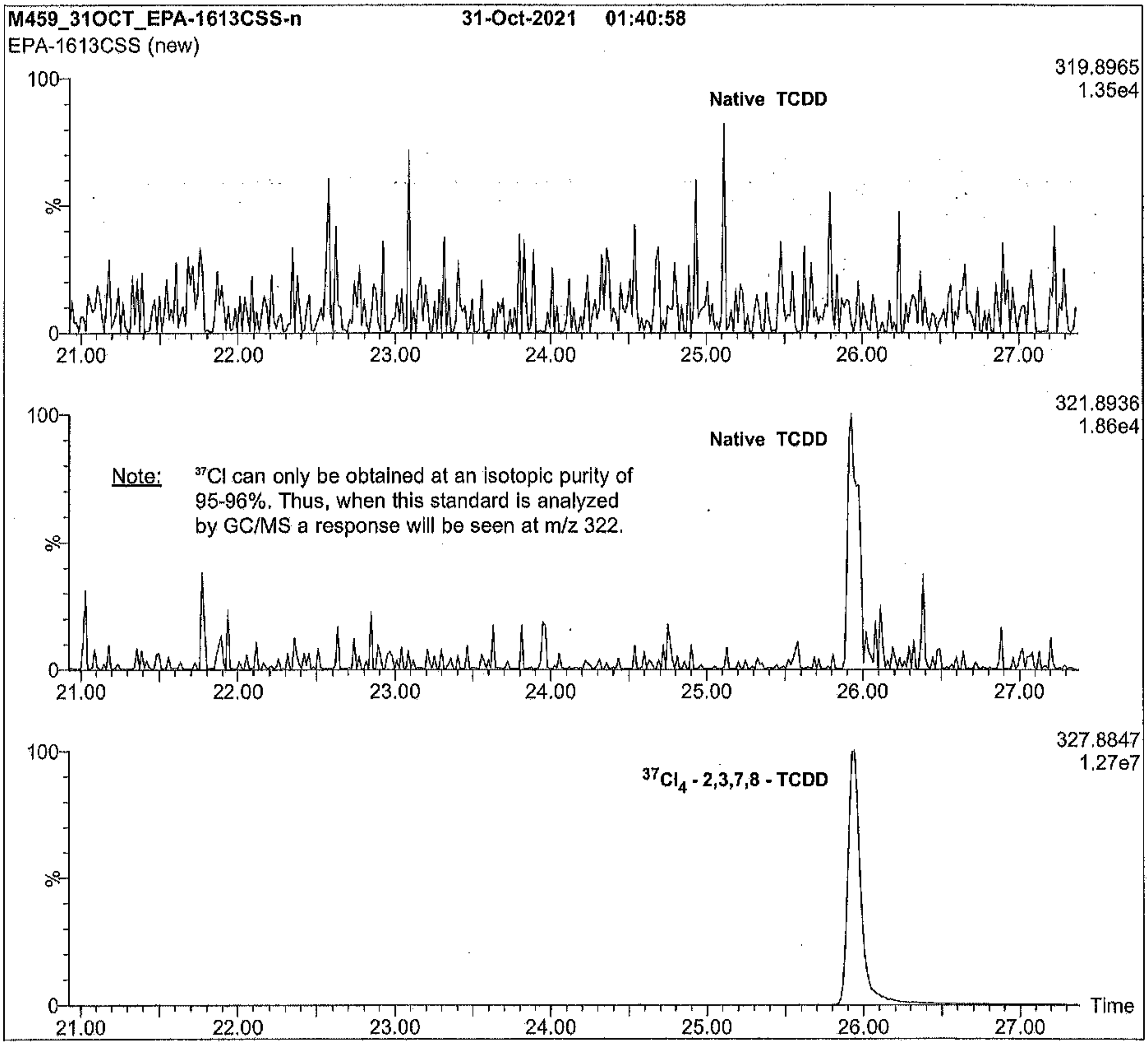
Figure 1: **EPA-1613CSS; HRGC/HRMS Data (60 m DB-5 Column)**



Note: ^{37}Cl can only be obtained at an isotopic purity of 95-96%. Thus, when this standard is analyzed by GC/MS a response will be seen at m/z 322.

Conditions for Figure 1:

Agilent 6890N HRGC
Autospec Ultima HRMS

Chromatographic Conditions:

Column: 60 m DB-5 (0.25 mm id, 0.25 µm film thickness) Agilent J&W

Flow:	Constant at 1.4 mL/min	Oven:	150°C (1 min)
Injector:	280°C (Splitless Injection)		12°C/min to 200°C
Ionization:	EI+		3°C/min to 235°C
Detector:	280°C		235°C (8 min)
	SIR at 10,000 mass resolving power		8°C/min to 310°C
			310°C (8 min)

EPA-1613LCS

U.S. EPA Method 1613
Labelled Compound Stock Solution

PRODUCT CODE:	EPA-1613LCS
LOT NUMBER:	13LCS1021
SOLVENT(S):	Nonane/Toluene
DATE PREPARED: (mm/dd/yyyy)	10/29/2021
LAST TESTED: (mm/dd/yyyy)	10/31/2021
EXPIRY DATE: (mm/dd/yyyy)	10/31/2028
RECOMMENDED STORAGE:	Store ampoule in a cool, dark place

K3105

DESCRIPTION:

EPA-1613LCS is a solution/mixture of mass-labelled ($^{13}C_{12}$) polychlorinated dibenzo-*p*-dioxins (PCDDs) and dibenzofurans (PCDFs). The components and their concentrations are given in Table A.

EPA-1613LCS was designed and prepared to be used according to U.S. EPA Method 1613, Revision B.

The individual ^{13}C-labelled PCDDs and PCDFs all have chemical purities of >98% and isotopic purities of ≥99%.

DOCUMENTATION/ DATA ATTACHED:

Table A: Components and Concentrations
Figure 1: HRGC/HRMS Data (SIR; 10,000 mass resolving power)

ADDITIONAL INFORMATION:

- See page 2 for further details.

FOR LABORATORY USE ONLY: NOT FOR HUMAN OR DRUG USE

INTENDED USE:

The products prepared by Wellington Laboratories Inc. are for laboratory use only. This certified reference material (CRM) was designed to be used as a standard for the identification and/or quantification of the specific chemical compounds it contains.

HANDLING:

This product should only be used by qualified personnel familiar with its potential hazards and trained in the handling of hazardous chemicals. Due care should be exercised to prevent unnecessary human contact or ingestion. All procedures should be carried out in a well-functioning fume hood and suitable gloves, eye protection, and clothing should be worn at all times. Waste should be disposed of according to national and regional regulations. Safety Data Sheets (SDSs) are available upon request.

SYNTHESIS / CHARACTERIZATION:

Our products are synthesized using single-product unambiguous routes whenever possible. They are then characterized, and their structures and purities confirmed, using a combination of the most relevant techniques, such as NMR, GC/MS, LC/MS/MS, SFC/UV/MS/MS, x-ray crystallography, and melting point. Isotopic purities of mass-labelled compounds are also confirmed using HRGC/HRMS and/or LC/MS/MS.

HOMOGENEITY:

Prior to solution preparation, crystalline material is tested for homogeneity using a variety of techniques (as stated above) and its solubility in a given diluent is taken into consideration. Duplicate solutions of a new product are prepared from the same crystalline lot and, after the addition of an appropriate internal standard, they are compared by GC/MS, LC/MS/MS, and/or SFC/UV/MS/MS. The relative response factors of the analyte of interest in each solution are required to be <5% RSD. New solution lots of existing products, as well as mixtures and calibration solutions, are compared to older lots in a similar manner. This further confirms the homogeneity of the crystalline material as well as the stability and homogeneity of the solutions in the storage containers. In order to maintain the integrity of the assigned value(s), and associated uncertainty, the dilution or injection of a subsample of this product should be performed using calibrated measuring equipment.

UNCERTAINTY:

The maximum combined relative standard uncertainty of our reference standard solutions is calculated using the following equation:

The combined relative standard uncertainty, $u_c(y)$, of a value y and the uncertainty of the independent parameters $x_1, x_2,...x_n$ on which it depends is:

$$u_c(y(x_1, x_2, ...x_n)) = \sqrt{\sum_{i=1}^{n} u(y, x_i)^2}$$

where x is expressed as a relative standard uncertainty of the individual parameter.

The individual uncertainties taken into account include those associated with weights (calibration of the balance) and volumes (calibration of the volumetric glassware). An expanded maximum combined percent relative uncertainty of ±5% (calculated with a coverage factor of 2 and a level of confidence of 95%) is stated on the Certificate of Analysis for all of our products.

TRACEABILITY:

All reference standard solutions are traceable to specific crystalline lots. The microbalances used for solution preparation are regularly calibrated by an external ISO/IEC 17025 accredited laboratory. In addition, their calibration is verified prior to each weighing using calibrated external weights traceable to an ISO/IEC 17025 accredited laboratory. All volumetric glassware used is calibrated, of Class A tolerance, and traceable to an ISO/IEC 17025 accredited laboratory. For certain products, traceability to international interlaboratory studies has also been established.

EXPIRY DATE / PERIOD OF VALIDITY:

Ongoing stability studies of this product have demonstrated stability in its composition and concentration, until the specified expiry date, in the unopened ampoule. Monitoring for any degradation or change in concentration of the listed analyte(s) is performed on a routine basis.

LIMITED WARRANTY:

At the time of shipment, all products are warranted to be free of defects in material and workmanship and to conform to the stated technical and purity specifications.

QUALITY MANAGEMENT:

This product was produced using a Quality Management System registered to the latest versions of ISO 9001 by SAI Global, ISO/IEC 17025 by the Canadian Association for Laboratory Accreditation Inc. (CALA; A1226), and ISO 17034 by ANSI National Accreditation Board (ANAB; AR-1523).

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Testing
Accreditation No. A1226

ANAB
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ACCREDITED
ISO 17034
REFERENCE MATERIAL PRODUCER

For additional information or assistance concerning this or any other products from Wellington Laboratories Inc., please visit our website at www.well-labs.com or contact us directly at info@well-labs.com

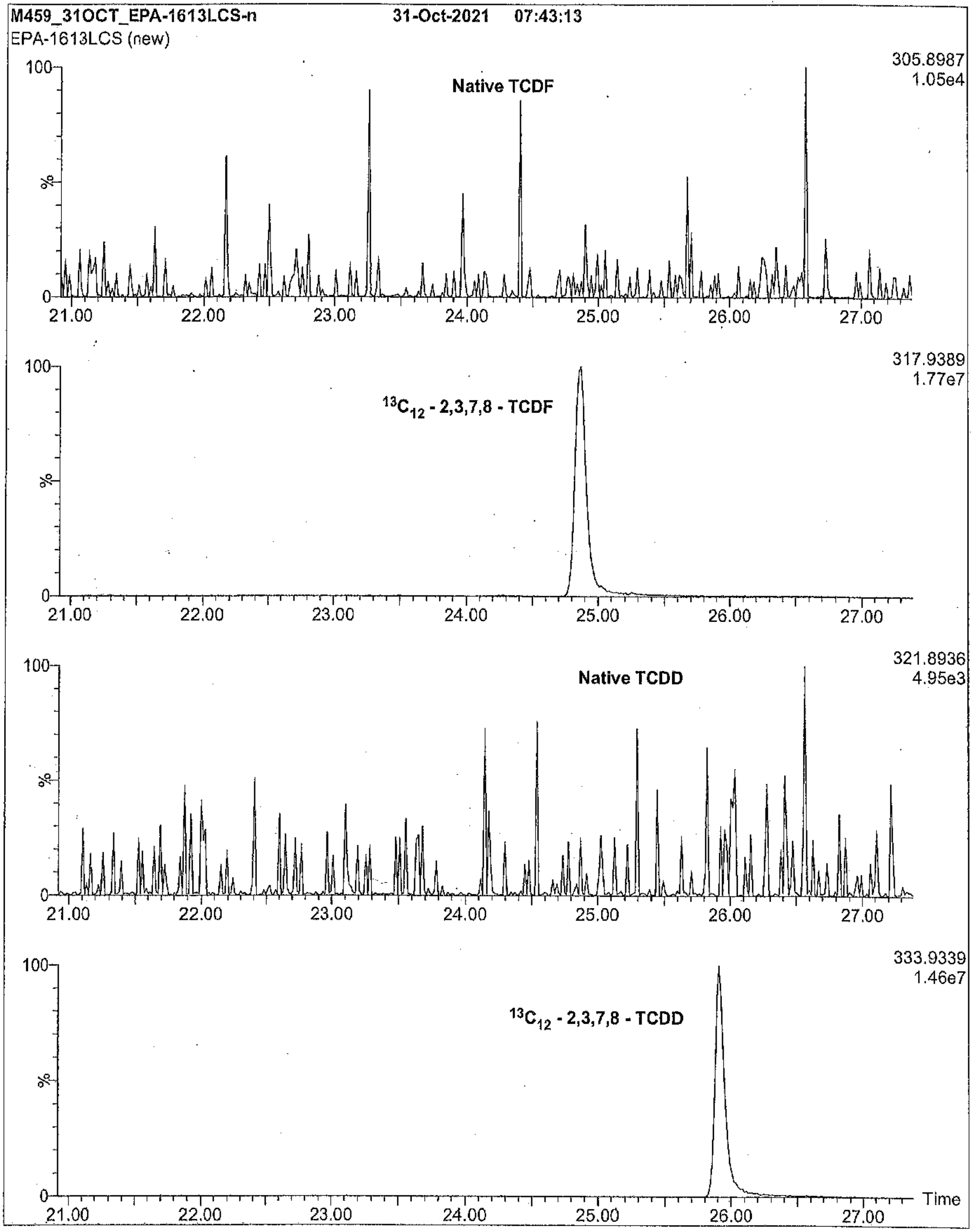
Table A: **EPA-1613LCS; Components and Concentrations (ng/mL, ± 5% in nonane/3.2% toluene)**

Compound	Acronym	CAS #	Concentration (ng/mL)
Mass-Labelled PCDDs:			
2,3,7,8-Tetrachloro($^{13}C_{12}$)dibenzo-*p*-dioxin	$^{13}C_{12}$-2,3,7,8-TCDD	76523-40-5	100
1,2,3,7,8-Pentachloro($^{13}C_{12}$)dibenzo-*p*-dioxin	$^{13}C_{12}$-1,2,3,7,8-PeCDD	109719-79-1	100
1,2,3,4,7,8-Hexachloro($^{13}C_{12}$)dibenzo-*p*-dioxin	$^{13}C_{12}$-1,2,3,4,7,8-HxCDD	109719-80-4	100
1,2,3,6,7,8-Hexachloro($^{13}C_{12}$)dibenzo-*p*-dioxin	$^{13}C_{12}$-1,2,3,6,7,8-HxCDD	109719-81-5	100
1,2,3,4,6,7,8-Heptachloro($^{13}C_{12}$)dibenzo-*p*-dioxin	$^{13}C_{12}$-1,2,3,4,6,7,8-HpCDD	109719-83-7	100
Octachloro($^{13}C_{12}$)dibenzo-*p*-dioxin	$^{13}C_{12}$-OCDD	114423-97-1	200
Mass-Labelled PCDFs:			
2,3,7,8-Tetrachloro($^{13}C_{12}$)dibenzofuran	$^{13}C_{12}$-2,3,7,8-TCDF	89059-46-1	100
1,2,3,7,8-Pentachloro($^{13}C_{12}$)dibenzofuran	$^{13}C_{12}$-1,2,3,7,8-PeCDF	109719-77-9	100
2,3,4,7,8-Pentachloro($^{13}C_{12}$)dibenzofuran	$^{13}C_{12}$-2,3,4,7,8-PeCDF	116843-02-8	100
1,2,3,4,7,8-Hexachloro($^{13}C_{12}$)dibenzofuran	$^{13}C_{12}$-1,2,3,4,7,8-HxCDF	114423-98-2	100
1,2,3,6,7,8-Hexachloro($^{13}C_{12}$)dibenzofuran	$^{13}C_{12}$-1,2,3,6,7,8-HxCDF	116843-03-9	100
1,2,3,7,8,9-Hexachloro($^{13}C_{12}$)dibenzofuran	$^{13}C_{12}$-1,2,3,7,8,9-HxCDF	116843-04-0	100
2,3,4,6,7,8-Hexachloro($^{13}C_{12}$)dibenzofuran	$^{13}C_{12}$-2,3,4,6,7,8-HxCDF	116843-05-1	100
1,2,3,4,6,7,8-Heptachloro($^{13}C_{12}$)dibenzofuran	$^{13}C_{12}$-1,2,3,4,6,7,8-HpCDF	109719-84-8	100
1,2,3,4,7,8,9-Heptachloro($^{13}C_{12}$)dibenzofuran	$^{13}C_{12}$-1,2,3,4,7,8,9-HpCDF	109719-94-0	100

Certified By: ____________
B.G. Chittim, General Manager

Date: 11/05/2021
(mm/dd/yyyy)

Figure 1: EPA-1613LCS; HRGC/HRMS Data (60 m DB-5 Column)



Form#:13, Issued 2004-11-10
Revision#:9, Revised 2020-12-23

13LCS1021 (4 of 8)
rev0

Figure 1: EPA-1613LCS; HRGC/HRMS Data (60 m DB-5 Column)

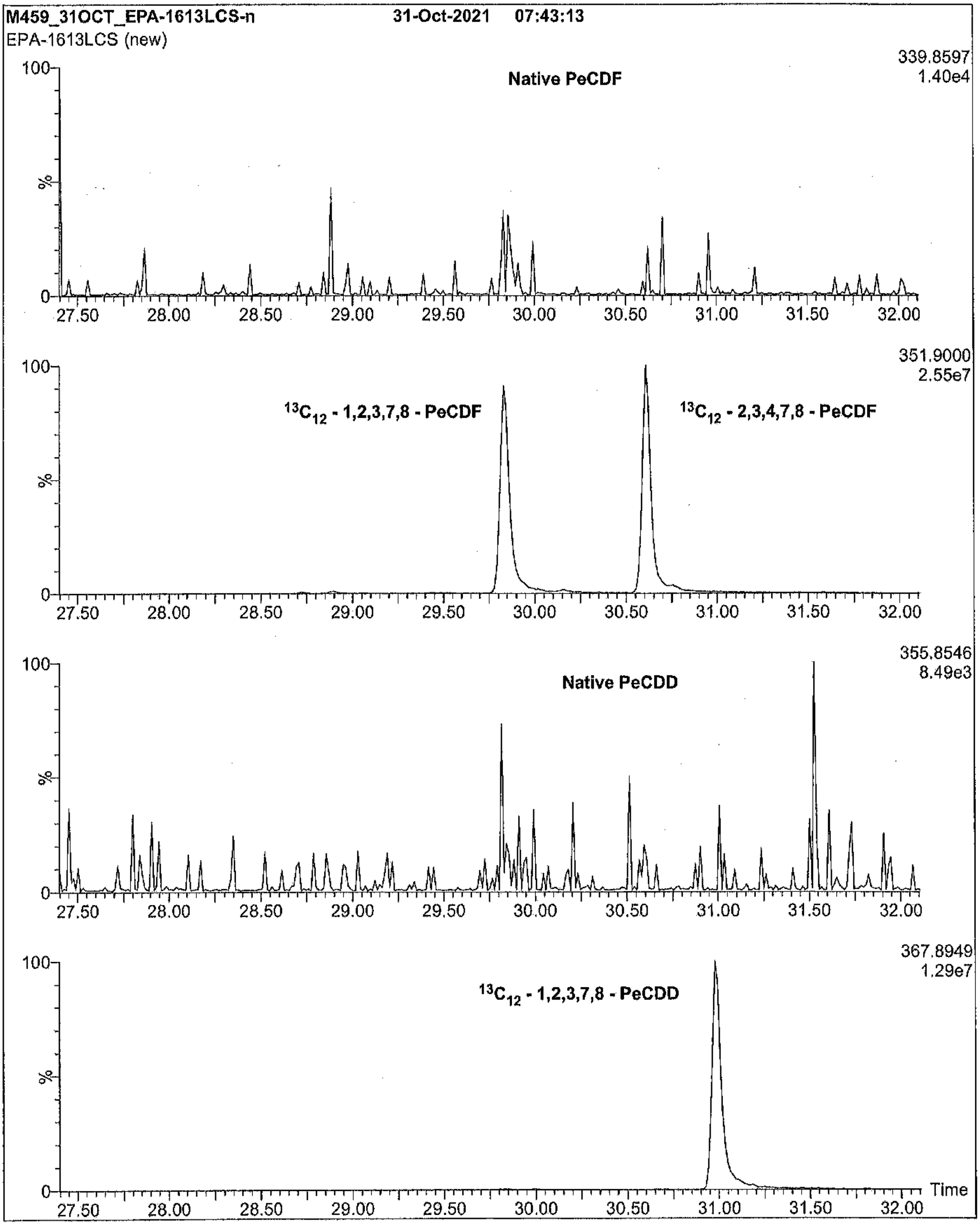


Figure 1: EPA-1613LCS; HRGC/HRMS Data (60 m DB-5 Column)

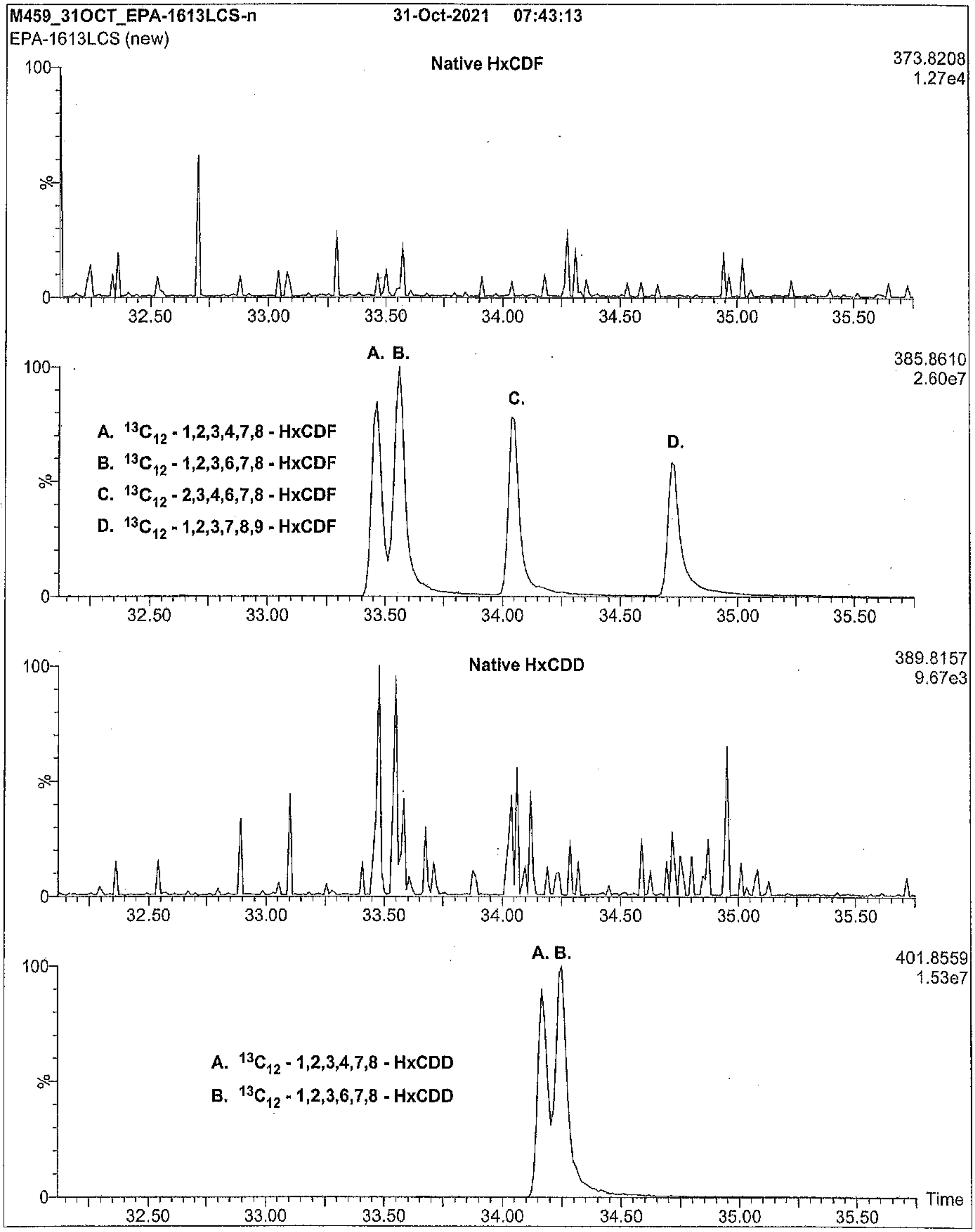


Figure 1: EPA-1613LCS; HRGC/HRMS Data (60 m DB-5 Column)

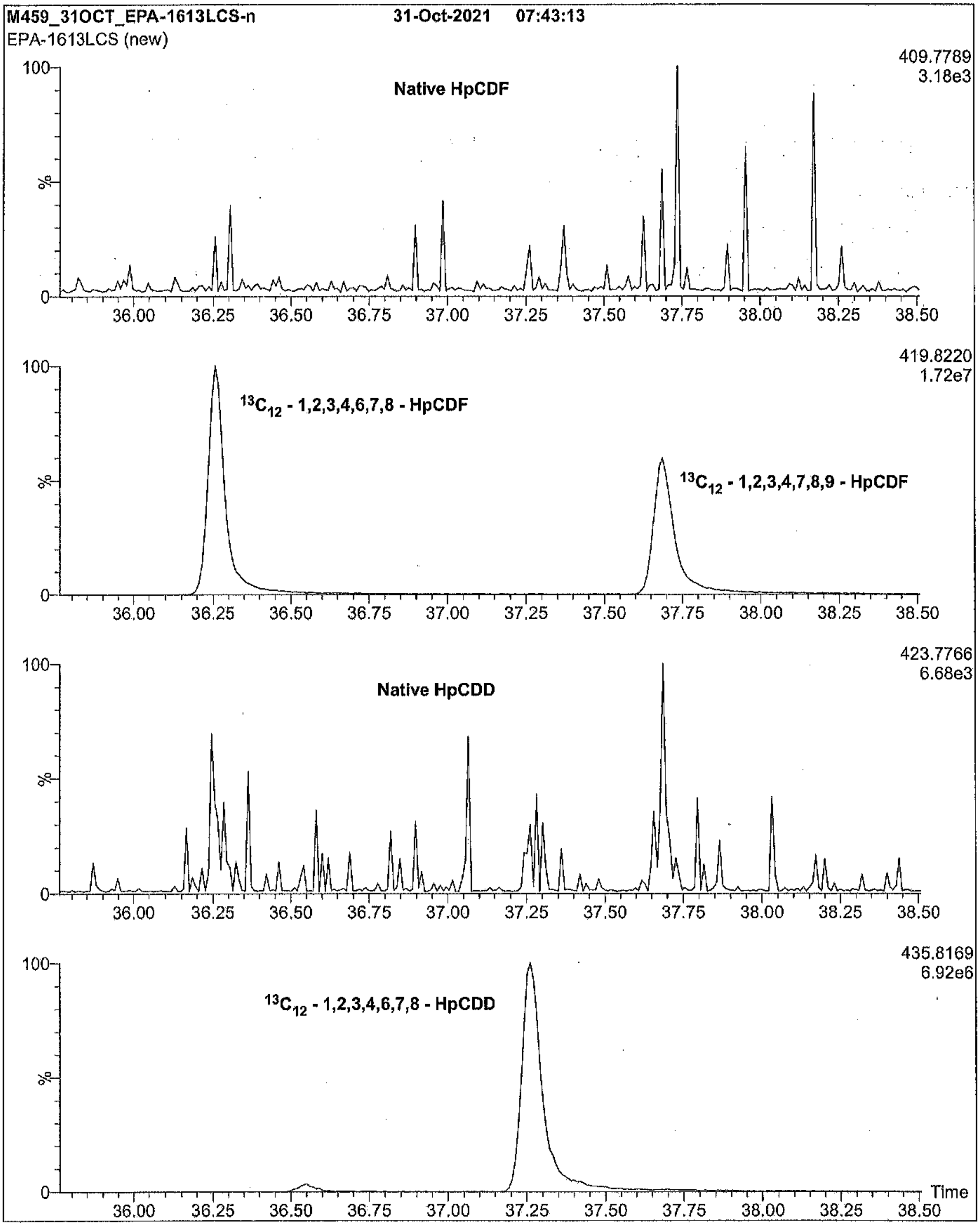
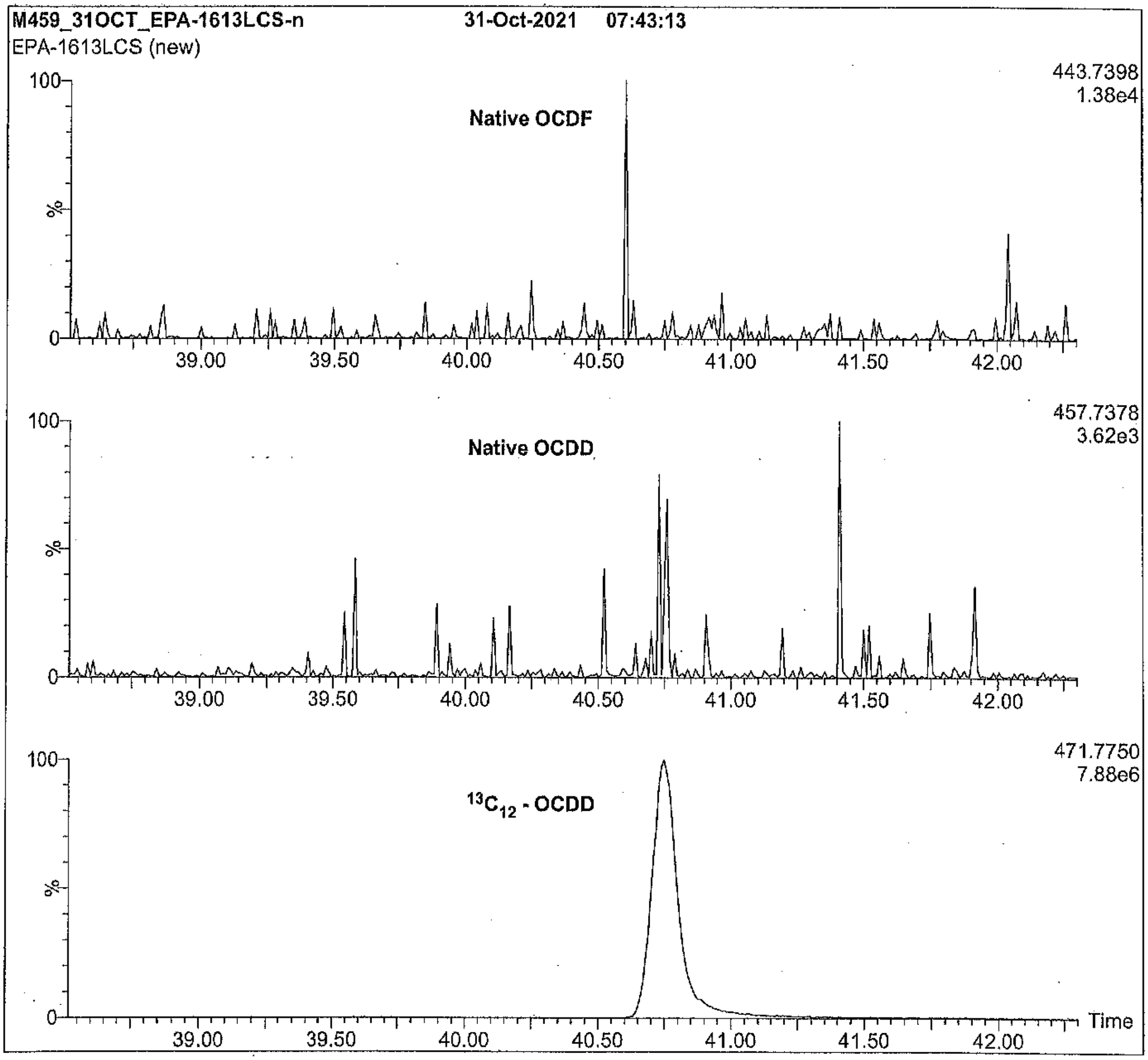


Figure 1: **EPA-1613LCS; HRGC/HRMS Data (60 m DB-5 Column)**



Conditions for Figure 1:

Agilent 6890N HRGC
Autospec Ultima HRMS

Chromatographic Conditions:

Column: 60 m DB-5 (0.25 mm id, 0.25 µm film thickness) Agilent J&W

Flow: Constant at 1.4 mL/min
Injector: 280°C (Splitless Injection)
Ionization: EI+
Detector: 280°C
SIR at 10,000 mass resolving power

Oven: 150°C (1 min)
12°C/min to 200°C
3°C/min to 235°C
235°C (8 min)
8°C/min to 310°C
310°C (8 min)

WELLINGTON LABORATORIES

CERTIFICATE OF ANALYSIS
DOCUMENTATION

K9821

CS3WT

Calibration and Verification Solution (EPA-1613CS3) combined with Window Defining and 2,3,7,8-TCDD Resolution Testing Congeners

PRODUCT CODE:	CS3WT
LOT NUMBER:	CS3WT1021
SOLVENT(S):	Nonane/Toluene
DATE PREPARED: (mm/dd/yyyy)	11/01/2021
LAST TESTED: (mm/dd/yyyy)	11/02/2021
EXPIRY DATE: (mm/dd/yyyy)	11/02/2028
RECOMMENDED STORAGE:	Store ampoule in a cool, dark place

DESCRIPTION:

CS3WT is a solution/mixture of native ($^{12}C_{12}$) and mass-labelled ($^{13}C_{12}$) polychlorinated dibenzo-*p*-dioxins (PCDDs) and dibenzofurans (PCDFs). The components and their concentrations are given in Tables A and B.

CS3WT is an HRGC/HRMS calibration solution that was designed and prepared to be used according to U.S. EPA Method 1613, Revision B, in place of EPA-1613CS3 (lot: 13CS31021). Additionally, it contains the PCDD and PCDF isomers required to set retention time windows as well as test and establish isomer specificity for 2,3,7,8-TCDD on a DB-5 (or equivalent) capillary column.

The individual ^{13}C-labelled PCDDs and PCDFs all have chemical purities of >98% and isotopic purities of ≥99%. The 2,3,7,8-($^{37}Cl_4$)tetrachlorodibenzo-*p*-dioxin has a chemical purity of >98% and an isotopic (^{37}Cl) purity of ≥95%. The individual native 2,3,7,8-substituted PCDD and PCDF congeners all have chemical purities of >98%; the other congeners (window defining and resolution testing) should only be considered semi-quantitative.

This current lot of CS3WT is to be used with the 1613 calibration solutions having the following lot numbers:

PRODUCT CODE	LOT NUMBER
EPA-1613CS1	13CS11021
EPA-1613CS2	13CS21021
EPA-1613CS3	13CS31021
EPA-1613CS4	13CS41021
EPA-1613CS5	13CS51021
EPA-1613CSL	13CSL1021
EPA-1613CS0.5	13CS0.51021

FOR LABORATORY USE ONLY: NOT FOR HUMAN OR DRUG USE

INTENDED USE:

The products prepared by Wellington Laboratories Inc. are for laboratory use only. This certified reference material (CRM) was designed to be used as a standard for the identification and/or quantification of the specific chemical compounds it contains.

HANDLING:

This product should only be used by qualified personnel familiar with its potential hazards and trained in the handling of hazardous chemicals. Due care should be exercised to prevent unnecessary human contact or ingestion. All procedures should be carried out in a well-functioning fume hood and suitable gloves, eye protection, and clothing should be worn at all times. Waste should be disposed of according to national and regional regulations. Safety Data Sheets (SDSs) are available upon request.

SYNTHESIS / CHARACTERIZATION:

Our products are synthesized using single-product unambiguous routes whenever possible. They are then characterized, and their structures and purities confirmed, using a combination of the most relevant techniques, such as NMR, GC/MS, LC/MS/MS, SFC/UV/MS/MS, x-ray crystallography, and melting point. Isotopic purities of mass-labelled compounds are also confirmed using HRGC/HRMS and/or LC/MS/MS.

HOMOGENEITY:

Prior to solution preparation, crystalline material is tested for homogeneity using a variety of techniques (as stated above) and its solubility in a given diluent is taken into consideration. Duplicate solutions of a new product are prepared from the same crystalline lot and, after the addition of an appropriate internal standard, they are compared by GC/MS, LC/MS/MS, and/or SFC/UV/MS/MS. The relative response factors of the analyte of interest in each solution are required to be <5% RSD. New solution lots of existing products, as well as mixtures and calibration solutions, are compared to older lots in a similar manner. This further confirms the homogeneity of the crystalline material as well as the stability and homogeneity of the solutions in the storage containers. In order to maintain the integrity of the assigned value(s), and associated uncertainty, the dilution or injection of a subsample of this product should be performed using calibrated measuring equipment.

UNCERTAINTY:

The maximum combined relative standard uncertainty of our reference standard solutions is calculated using the following equation:

The combined relative standard uncertainty, $u_c(y)$, of a value y and the uncertainty of the independent parameters $x_1, x_2,...x_n$ on which it depends is:

$$u_c(y(x_1,x_2,...x_n)) = \sqrt{\sum_{i=1}^{n} u(y,x_i)^2}$$

where x is expressed as a relative standard uncertainty of the individual parameter.

The individual uncertainties taken into account include those associated with weights (calibration of the balance) and volumes (calibration of the volumetric glassware). An expanded maximum combined percent relative uncertainty of ±5% (calculated with a coverage factor of 2 and a level of confidence of 95%) has been assigned to the quantitative components in this product. A maximum combined percent relative uncertainty of ±20% has been assigned to the semi-quantitative components in this product.

TRACEABILITY:

All reference standard solutions are traceable to specific crystalline lots. The microbalances used for solution preparation are regularly calibrated by an external ISO/IEC 17025 accredited laboratory. In addition, their calibration is verified prior to each weighing using calibrated external weights traceable to an ISO/IEC 17025 accredited laboratory. All volumetric glassware used is calibrated, of Class A tolerance, and traceable to an ISO/IEC 17025 accredited laboratory. For certain products, traceability to international interlaboratory studies has also been established.

EXPIRY DATE / PERIOD OF VALIDITY:

Ongoing stability studies of this product have demonstrated stability in its composition and concentration, until the specified expiry date, in the unopened ampoule. Monitoring for any degradation or change in concentration of the listed analyte(s) is performed on a routine basis.

LIMITED WARRANTY:

At the time of shipment, all products are warranted to be free of defects in material and workmanship and to conform to the stated technical and purity specifications.

QUALITY MANAGEMENT:

This product was produced using a Quality Management System registered to the latest versions of ISO 9001 by SAI Global, ISO/IEC 17025 by the Canadian Association for Laboratory Accreditation Inc. (CALA; A1226), and ISO 17034 by ANSI National Accreditation Board (ANAB; AR-1523).

CALA
Testing
Accreditation No. A1226

ANAB
ANSI National Accreditation Board
ACCREDITED
ISO 17034
REFERENCE MATERIAL PRODUCER

For additional information or assistance concerning this or any other products from Wellington Laboratories Inc., please visit our website at www.well-labs.com or contact us directly at info@well-labs.com

Table A: **CS3WT; Quantitative Components and Concentrations (ng/mL, ± 5%, in nonane/4.5% toluene)**

Compound		Acronym	CAS #	Concentration (ng/mL)
Native PCDDs:	**Designation[a]**			
2,3,7,8-Tetrachlorodibenzo-*p*-dioxin		2,3,7,8-TCDD	1746-01-6	10.0
1,2,3,7,8-Pentachlorodibenzo-*p*-dioxin		1,2,3,7,8-PeCDD	40321-76-4	50.0
1,2,3,4,7,8-Hexachlorodibenzo-*p*-dioxin		1,2,3,4,7,8-HxCDD	39227-28-6	50.0
1,2,3,6,7,8-Hexachlorodibenzo-*p*-dioxin		1,2,3,6,7,8-HxCDD	57653-85-7	50.0
1,2,3,7,8,9-Hexachlorodibenzo-*p*-dioxin	Last HxCDD[b]	1,2,3,7,8,9-HxCDD	19408-74-3	50.0
1,2,3,4,6,7,8-Heptachlorodibenzo-*p*-dioxin	Last HpCDD	1,2,3,4,6,7,8-HpCDD	35822-46-9	50.0
Octachlorodibenzo-*p*-dioxin		OCDD	3268-87-9	100
Native PCDFs:	**Designation[a]**			
2,3,7,8-Tetrachlorodibenzofuran		2,3,7,8-TCDF	51207-31-9	10.0
1,2,3,7,8-Pentachlorodibenzofuran		1,2,3,7,8-PeCDF	57117-41-6	50.0
2,3,4,7,8-Pentachlorodibenzofuran		2,3,4,7,8-PeCDF	57117-31-4	50.0
1,2,3,4,7,8-Hexachlorodibenzofuran		1,2,3,4,7,8-HxCDF	70648-26-9	50.0
1,2,3,6,7,8-Hexachlorodibenzofuran		1,2,3,6,7,8-HxCDF	57117-44-9	50.0
1,2,3,7,8,9-Hexachlorodibenzofuran		1,2,3,7,8,9-HxCDF	72918-21-9	50.0
2,3,4,6,7,8-Hexachlorodibenzofuran		2,3,4,6,7,8-HxCDF	60851-34-5	50.0
1,2,3,4,6,7,8-Heptachlorodibenzofuran	First HpCDF[c]	1,2,3,4,6,7,8-HpCDF	67562-39-4	50.0
1,2,3,4,7,8,9-Heptachlorodibenzofuran	Last HpCDF	1,2,3,4,7,8,9-HpCDF	55673-89-7	50.0
Octachlorodibenzofuran		OCDF	39001-02-0	100
Mass-Labelled PCDDs:				
2,3,7,8-Tetrachloro($^{13}C_{12}$)dibenzo-*p*-dioxin		$^{13}C_{12}$-2,3,7,8-TCDD	76523-40-5	100
1,2,3,7,8-Pentachloro($^{13}C_{12}$)dibenzo-*p*-dioxin		$^{13}C_{12}$-1,2,3,7,8-PeCDD	109719-79-1	100
1,2,3,4,7,8-Hexachloro($^{13}C_{12}$)dibenzo-*p*-dioxin		$^{13}C_{12}$-1,2,3,4,7,8-HxCDD	109719-80-4	100
1,2,3,6,7,8-Hexachloro($^{13}C_{12}$)dibenzo-*p*-dioxin		$^{13}C_{12}$-1,2,3,6,7,8-HxCDD	109719-81-5	100
1,2,3,4,6,7,8-Heptachloro($^{13}C_{12}$)dibenzo-*p*-dioxin		$^{13}C_{12}$-1,2,3,4,6,7,8-HpCDD	109719-83-7	100
Octachloro($^{13}C_{12}$)dibenzo-*p*-dioxin		$^{13}C_{12}$-OCDD	114423-97-1	200
Mass-Labelled PCDFs:				
2,3,7,8-Tetrachloro($^{13}C_{12}$)dibenzofuran		$^{13}C_{12}$-2,3,7,8-TCDF	89059-46-1	100
1,2,3,7,8-Pentachloro($^{13}C_{12}$)dibenzofuran		$^{13}C_{12}$-1,2,3,7,8-PeCDF	109719-77-9	100
2,3,4,7,8-Pentachloro($^{13}C_{12}$)dibenzofuran		$^{13}C_{12}$-2,3,4,7,8-PeCDF	116843-02-8	100
1,2,3,4,7,8-Hexachloro($^{13}C_{12}$)dibenzofuran		$^{13}C_{12}$-1,2,3,4,7,8-HxCDF	114423-98-2	100
1,2,3,6,7,8-Hexachloro($^{13}C_{12}$)dibenzofuran		$^{13}C_{12}$-1,2,3,6,7,8-HxCDF	116843-03-9	100
1,2,3,7,8,9-Hexachloro($^{13}C_{12}$)dibenzofuran		$^{13}C_{12}$-1,2,3,7,8,9-HxCDF	116843-04-0	100
2,3,4,6,7,8-Hexachloro($^{13}C_{12}$)dibenzofuran		$^{13}C_{12}$-2,3,4,6,7,8-HxCDF	116843-05-1	100
1,2,3,4,6,7,8-Heptachloro($^{13}C_{12}$)dibenzofuran		$^{13}C_{12}$-1,2,3,4,6,7,8-HpCDF	109719-84-8	100
1,2,3,4,7,8,9-Heptachloro($^{13}C_{12}$)dibenzofuran		$^{13}C_{12}$-1,2,3,4,7,8,9-HpCDF	109719-94-0	100
Cleanup Standard:				
2,3,7,8-($^{37}Cl_4$)Tetrachlorodibenzo-*p*-dioxin		$^{37}Cl_4$-2,3,7,8-TCDD	85508-50-5	10.0
Internal Standards:				
1,2,3,4-Tetrachloro($^{13}C_{12}$)dibenzo-*p*-dioxin		$^{13}C_{12}$-1,2,3,4-TCDD	114423-99-3	100
1,2,3,7,8,9-Hexachloro($^{13}C_{12}$)dibenzo-*p*-dioxin		$^{13}C_{12}$-1,2,3,7,8,9-HxCDD	109719-82-6	100

[a] First/Last eluting isomer for the specified homologue group (see Table B for additional Window Definers).

[b, c] – see Table B for footnote.

Table B: **CS3WT; Semi-Quantitative Components and Concentrations (ng/mL, ± 20%, in nonane/4.5% toluene)**

Compound		Acronym	CAS #	Concentration (ng/mL)
PCDD Window Definers:	**Designation**[a]			
1,3,6,8-Tetrachlorodibenzo-*p*-dioxin	First TCDD	1,3,6,8-TCDD	33423-92-6	10.0
1,2,8,9-Tetrachlorodibenzo-*p*-dioxin	Last TCDD	1,2,8,9-TCDD	62470-54-6	10.0
1,2,4,6,8-/1,2,4,7,9-Pentachlorodibenzo-*p*-dioxin	First PeCDD	1,2,4,6,8-PeCDD 1,2,4,7,9-PeCDD	71998-76-0 82291-37-0	50.0[d]
1,2,3,8,9-Pentachlorodibenzo-*p*-dioxin	Last PeCDD	1,2,3,8,9-PeCDD	71925-18-3	50.0
1,2,4,6,7,9-Hexachlorodibenzo-*p*-dioxin	First HxCDD	1,2,4,6,7,9-HxCDD	39227-62-8	50.0
1,2,3,4,6,7,9-Heptachlorodibenzo-*p*-dioxin	First HpCDD	1,2,3,4,6,7,9-HpCDD	58200-70-7	50.0
PCDF Window Definers:	**Designation**[a]			
1,3,6,8-Tetrachlorodibenzofuran	First TCDF	1,3,6,8-TCDF	71998-72-6	10.0
1,2,8,9-Tetrachlorodibenzofuran	Last TCDF	1,2,8,9-TCDF	70648-22-5	10.0
1,3,4,6,8-Pentachlorodibenzofuran	First PeCDF	1,3,4,6,8-PeCDF	83704-55-6	50.0
1,2,3,8,9-Pentachlorodibenzofuran	Last PeCDF	1,2,3,8,9-PeCDF	83704-54-5	50.0
1,2,3,4,6,8-Hexachlorodibenzofuran	First HxCDF	1,2,3,4,6,8-HxCDF	69698-60-8	50.0
2,3,7,8-TCDD Resolution Testing Isomers:				
1,2,3,4-Tetrachlorodibenzo-*p*-dioxin		1,2,3,4-TCDD	30746-58-8	5.00
1,2,3,7-/1,2,3,8-Tetrachlorodibenzo-*p*-dioxin		1,2,3,7-TCDD 1,2,3,8-TCDD	67028-18-6 53555-02-5	5.00[d]
1,2,3,9-Tetrachlorodibenzo-*p*-dioxin		1,2,3,9-TCDD	71669-26-6	10.0

[a] First/Last eluting isomer for the specified homologue group (see Table A for additional Window Definers).

[b] 1,2,3,4,6,7-HxCDD (last eluting HxCDD) not included; coelutes with 1,2,3,7,8,9-HxCDD on a 60 m DB-5 column. Use 1,2,3,7,8,9-HxCDD (see Table A) and 1,2,3,4,6,7,9-HpCDD to approximate the end of the HxCDD window.

[c] 1,2,3,4,8,9-HxCDF (last eluting HxCDF) not included; can interfere with 1,2,3,7,8,9-HxCDF on a 60 m DB-5 column. Use 1,2,3,4,6,7,8-HpCDF (see Table A) to approximate the end of the HxCDF window.

[d] Total concentration of isomers.

Certified By: ____________________ **Date:** 11/05/2021
(mm/dd/yyyy)

B.G. Chittim, General Manager

Form#:13, Issued 2004-11-10
Revision#:9, Revised 2020-12-23

Figure 1: CS3WT; HRGC/HRMS Data (60 m DB-5 Column)

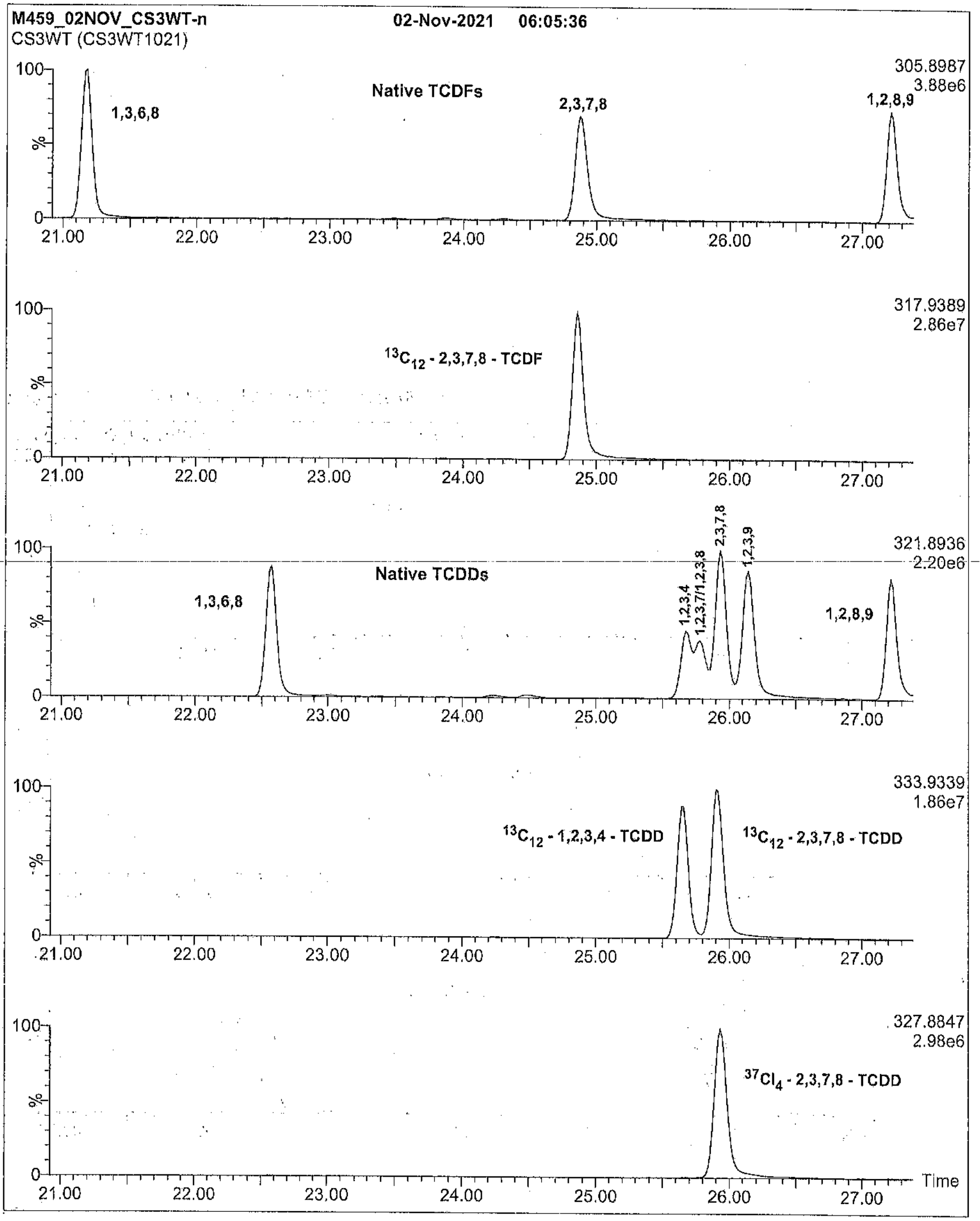
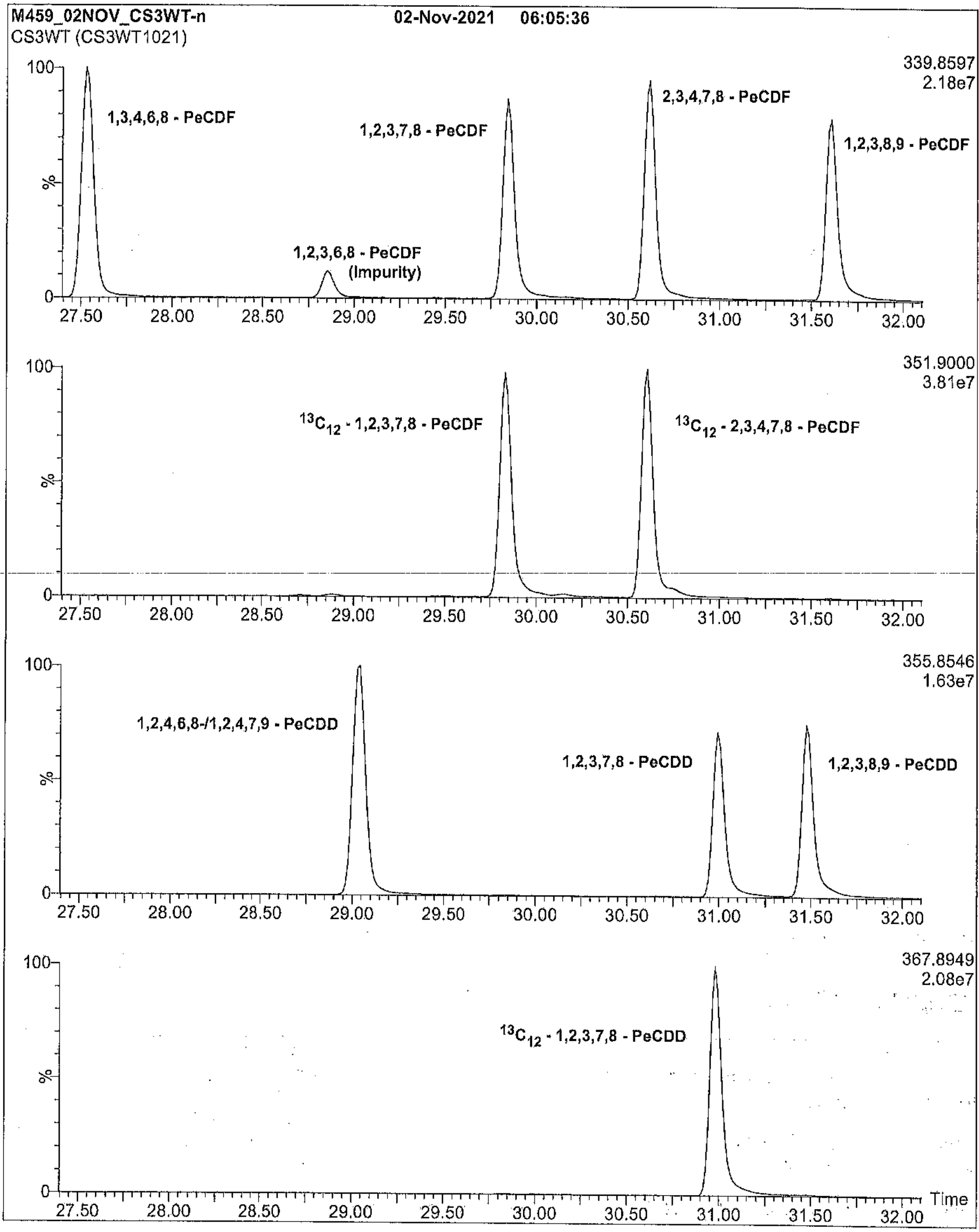


Figure 1: CS3WT; HRGC/HRMS Data (60 m DB-5 Column)



Form#:13, Issued 2004-11-10
Revision#:9, Revised 2020-12-23

CS3WT1021 (7 of 10)
rev0

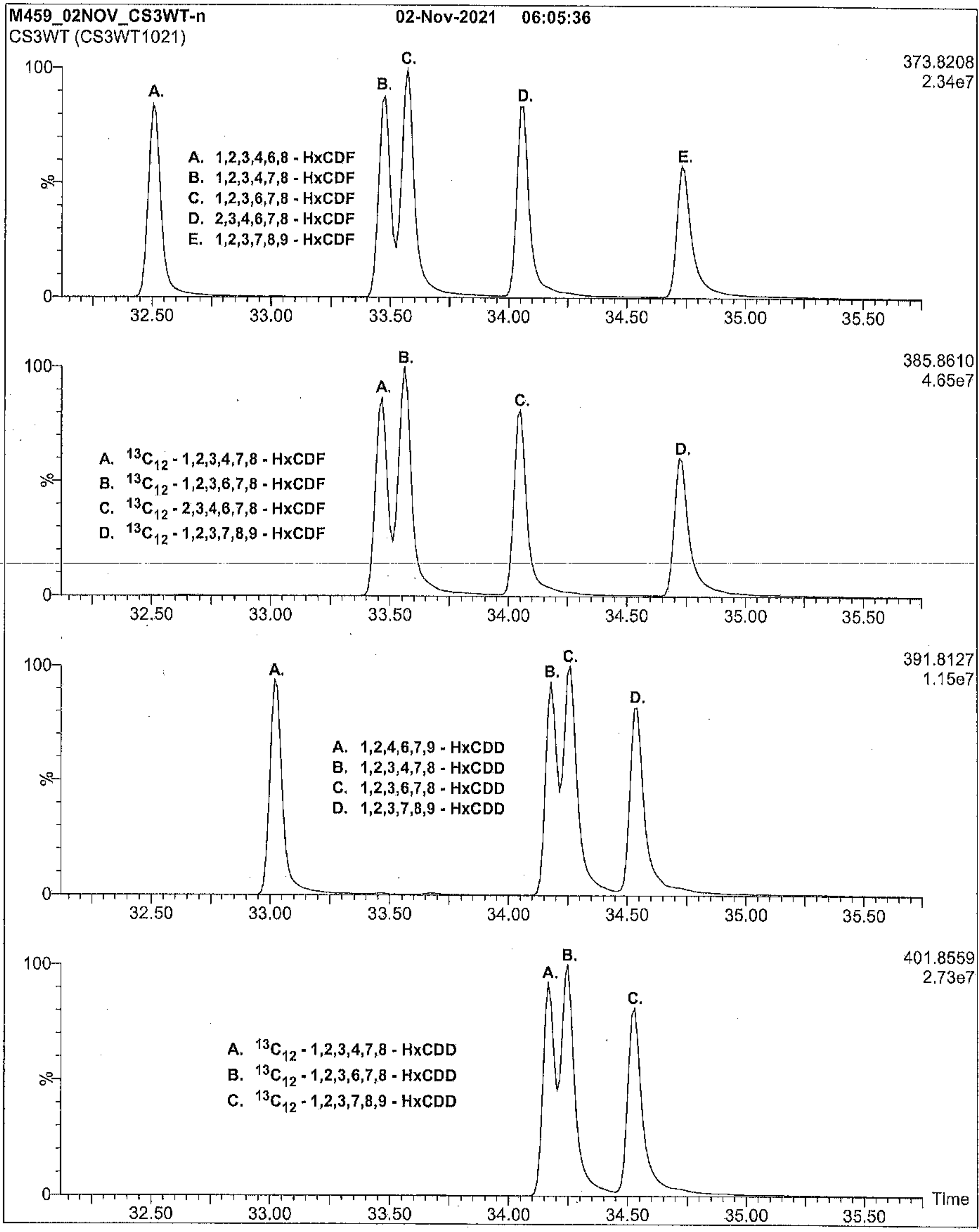


Figure 1: CS3WT; HRGC/HRMS Data (60 m DB-5 Column)

Figure 1: CS3WT; HRGC/HRMS Data (60 m DB-5 Column)

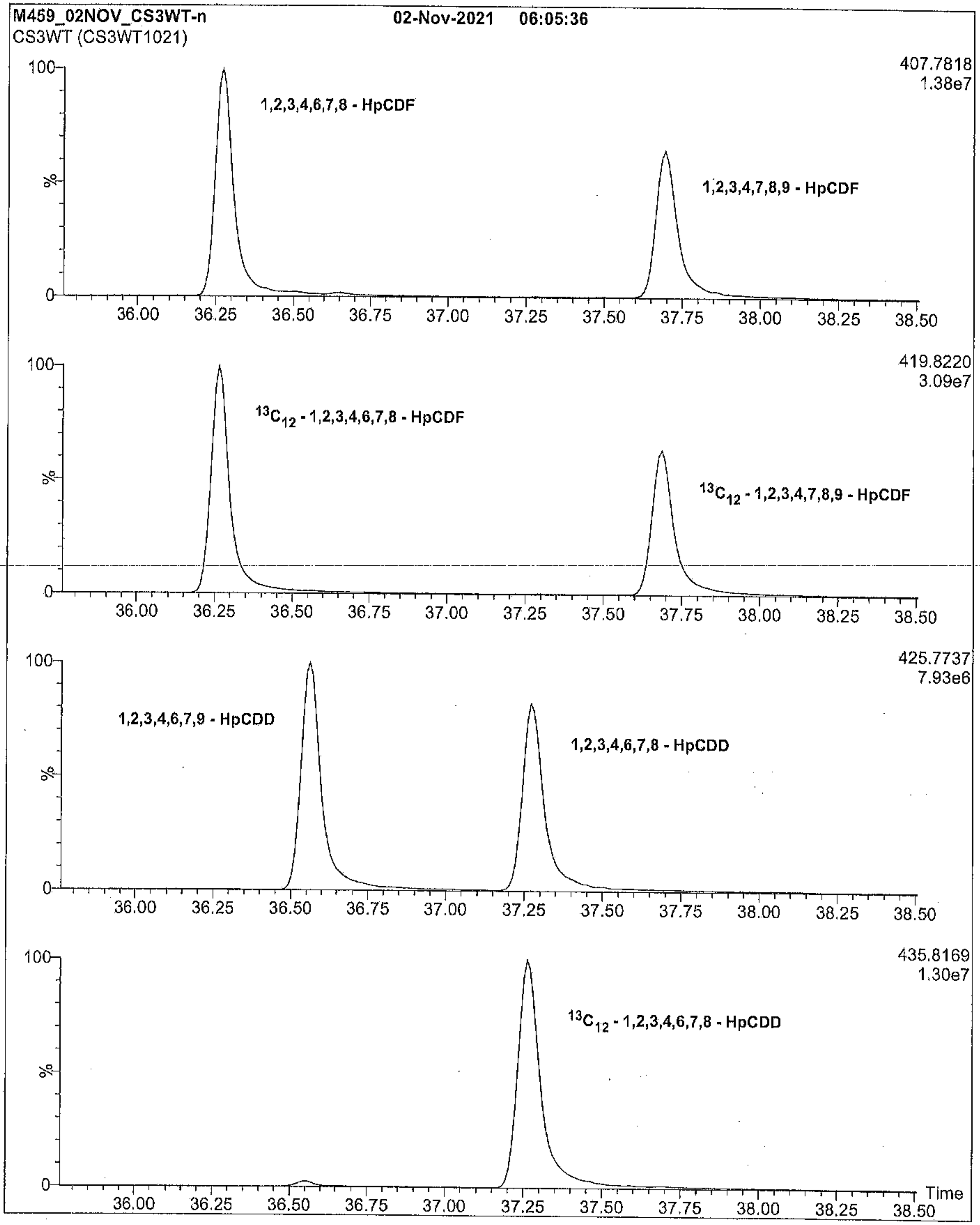
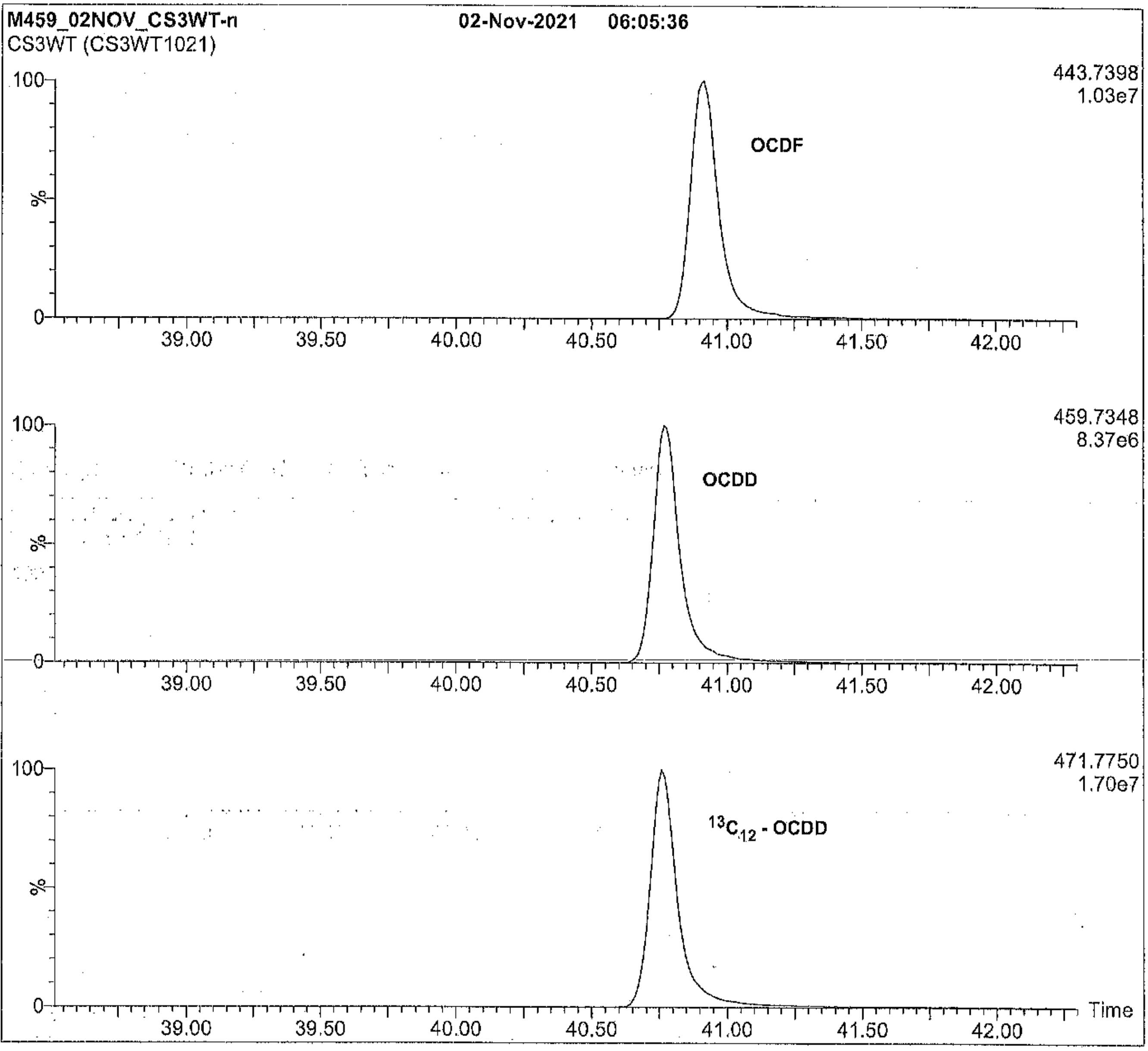


Figure 1: **CS3WT; HRGC/HRMS Data (60 m DB-5 Column)**



Conditions for Figure 1:

Agilent 6890N HRGC
Autospec Ultima HRMS

Chromatographic Conditions:

Column: 60 m DB-5 (0.25 mm id, 0.25 μm film thickness) Agilent J&W

Flow: Constant at 1.4 mL/min
Injector: 280°C (Splitless Injection)
Ionization: EI+
Detector: 280°C
SIR at 10,000 mass resolving power

Oven:
150°C (1 min)
12°C/min to 200°C
3°C/min to 235°C
235°C (8 min)
8°C/min to 310°C
310°C (8 min)

Form#:13, Issued 2004-11-10.
Revision#:9, Revised 2020-12-23

WELLINGTON
LABORATORIES

CERTIFICATE OF ANALYSIS
DOCUMENTATION

EPA-1613LCS

U.S. EPA Method 1613
Labelled Compound Stock Solution

PRODUCT CODE:	EPA-1613LCS
LOT NUMBER:	13LCS1021
SOLVENT(S):	Nonane/Toluene
DATE PREPARED: (mm/dd/yyyy)	10/29/2021
LAST TESTED: (mm/dd/yyyy)	10/31/2021
EXPIRY DATE: (mm/dd/yyyy)	10/31/2028
RECOMMENDED STORAGE:	Store ampoule in a cool, dark place

K 9985
JK Rec'd
10/27/22

DESCRIPTION:

EPA-1613LCS is a solution/mixture of mass-labelled ($^{13}C_{12}$) polychlorinated dibenzo-*p*-dioxins (PCDDs) and dibenzofurans (PCDFs). The components and their concentrations are given in Table A.

EPA-1613LCS was designed and prepared to be used according to U.S. EPA Method 1613, Revision B.

The individual ^{13}C-labelled PCDDs and PCDFs all have chemical purities of >98% and isotopic purities of ≥99%.

DOCUMENTATION/ DATA ATTACHED:

Table A: Components and Concentrations
Figure 1: HRGC/HRMS Data (SIR; 10,000 mass resolving power)

ADDITIONAL INFORMATION:

- See page 2 for further details.

FOR LABORATORY USE ONLY: NOT FOR HUMAN OR DRUG USE

INTENDED USE:

The products prepared by Wellington Laboratories Inc. are for laboratory use only. This certified reference material (CRM) was designed to be used as a standard for the identification and/or quantification of the specific chemical compounds it contains.

HANDLING:

This product should only be used by qualified personnel familiar with its potential hazards and trained in the handling of hazardous chemicals. Due care should be exercised to prevent unnecessary human contact or ingestion. All procedures should be carried out in a well-functioning fume hood and suitable gloves, eye protection, and clothing should be worn at all times. Waste should be disposed of according to national and regional regulations. Safety Data Sheets (SDSs) are available upon request.

SYNTHESIS / CHARACTERIZATION:

Our products are synthesized using single-product unambiguous routes whenever possible. They are then characterized, and their structures and purities confirmed, using a combination of the most relevant techniques, such as NMR, GC/MS, LC/MS/MS, SFC/UV/MS/MS, x-ray crystallography, and melting point. Isotopic purities of mass-labelled compounds are also confirmed using HRGC/HRMS and/or LC/MS/MS.

HOMOGENEITY:

Prior to solution preparation, crystalline material is tested for homogeneity using a variety of techniques (as stated above) and its solubility in a given diluent is taken into consideration. Duplicate solutions of a new product are prepared from the same crystalline lot and, after the addition of an appropriate internal standard, they are compared by GC/MS, LC/MS/MS, and/or SFC/UV/MS/MS. The relative response factors of the analyte of interest in each solution are required to be <5% RSD. New solution lots of existing products, as well as mixtures and calibration solutions, are compared to older lots in a similar manner. This further confirms the homogeneity of the crystalline material as well as the stability and homogeneity of the solutions in the storage containers. In order to maintain the integrity of the assigned value(s), and associated uncertainty, the dilution or injection of a subsample of this product should be performed using calibrated measuring equipment.

UNCERTAINTY:

The maximum combined relative standard uncertainty of our reference standard solutions is calculated using the following equation:

The combined relative standard uncertainty, $u_c(y)$, of a value y and the uncertainty of the independent parameters $x_1, x_2, \ldots x_n$ on which it depends is:

$$u_c(y(x_1, x_2, \ldots x_n)) = \sqrt{\sum_{i=1}^{n} u(y, x_i)^2}$$

where x is expressed as a relative standard uncertainty of the individual parameter.

The individual uncertainties taken into account include those associated with weights (calibration of the balance) and volumes (calibration of the volumetric glassware). An expanded maximum combined percent relative uncertainty of ±5% (calculated with a coverage factor of 2 and a level of confidence of 95%) is stated on the Certificate of Analysis for all of our products.

TRACEABILITY:

All reference standard solutions are traceable to specific crystalline lots. The microbalances used for solution preparation are regularly calibrated by an external ISO/IEC 17025 accredited laboratory. In addition, their calibration is verified prior to each weighing using calibrated external weights traceable to an ISO/IEC 17025 accredited laboratory. All volumetric glassware used is calibrated, of Class A tolerance, and traceable to an ISO/IEC 17025 accredited laboratory. For certain products, traceability to international interlaboratory studies has also been established.

EXPIRY DATE / PERIOD OF VALIDITY:

Ongoing stability studies of this product have demonstrated stability in its composition and concentration, until the specified expiry date, in the unopened ampoule. Monitoring for any degradation or change in concentration of the listed analyte(s) is performed on a routine basis.

LIMITED WARRANTY:

At the time of shipment, all products are warranted to be free of defects in material and workmanship and to conform to the stated technical and purity specifications.

QUALITY MANAGEMENT:

This product was produced using a Quality Management System registered to the latest versions of ISO 9001 by SAI Global, ISO/IEC 17025 by the Canadian Association for Laboratory Accreditation Inc. (CALA; A1226), and ISO 17034 by ANSI National Accreditation Board (ANAB; AR-1523).

CALA
Testing
Accreditation No. A1226

ANAB
ANSI National Accreditation Board
ACCREDITED
ISO 17034
REFERENCE MATERIAL PRODUCER

For additional information or assistance concerning this or any other products from Wellington Laboratories Inc., please visit our website at www.well-labs.com or contact us directly at info@well-labs.com

Table A: **EPA-1613LCS; Components and Concentrations (ng/mL, ± 5% in nonane/3.2% toluene)**

Compound	Acronym	CAS #	Concentration (ng/mL)
Mass-Labelled PCDDs:			
2,3,7,8-Tetrachloro($^{13}C_{12}$)dibenzo-*p*-dioxin	$^{13}C_{12}$-2,3,7,8-TCDD	76523-40-5	100
1,2,3,7,8-Pentachloro($^{13}C_{12}$)dibenzo-*p*-dioxin	$^{13}C_{12}$-1,2,3,7,8-PeCDD	109719-79-1	100
1,2,3,4,7,8-Hexachloro($^{13}C_{12}$)dibenzo-*p*-dioxin	$^{13}C_{12}$-1,2,3,4,7,8-HxCDD	109719-80-4	100
1,2,3,6,7,8-Hexachloro($^{13}C_{12}$)dibenzo-*p*-dioxin	$^{13}C_{12}$-1,2,3,6,7,8-HxCDD	109719-81-5	100
1,2,3,4,6,7,8-Heptachloro($^{13}C_{12}$)dibenzo-*p*-dioxin	$^{13}C_{12}$-1,2,3,4,6,7,8-HpCDD	109719-83-7	100
Octachloro($^{13}C_{12}$)dibenzo-*p*-dioxin	$^{13}C_{12}$-OCDD	114423-97-1	200
Mass-Labelled PCDFs:			
2,3,7,8-Tetrachloro($^{13}C_{12}$)dibenzofuran	$^{13}C_{12}$-2,3,7,8-TCDF	89059-46-1	100
1,2,3,7,8-Pentachloro($^{13}C_{12}$)dibenzofuran	$^{13}C_{12}$-1,2,3,7,8-PeCDF	109719-77-9	100
2,3,4,7,8-Pentachloro($^{13}C_{12}$)dibenzofuran	$^{13}C_{12}$-2,3,4,7,8-PeCDF	116843-02-8	100
1,2,3,4,7,8-Hexachloro($^{13}C_{12}$)dibenzofuran	$^{13}C_{12}$-1,2,3,4,7,8-HxCDF	114423-98-2	100
1,2,3,6,7,8-Hexachloro($^{13}C_{12}$)dibenzofuran	$^{13}C_{12}$-1,2,3,6,7,8-HxCDF	116843-03-9	100
1,2,3,7,8,9-Hexachloro($^{13}C_{12}$)dibenzofuran	$^{13}C_{12}$-1,2,3,7,8,9-HxCDF	116843-04-0	100
2,3,4,6,7,8-Hexachloro($^{13}C_{12}$)dibenzofuran	$^{13}C_{12}$-2,3,4,6,7,8-HxCDF	116843-05-1	100
1,2,3,4,6,7,8-Heptachloro($^{13}C_{12}$)dibenzofuran	$^{13}C_{12}$-1,2,3,4,6,7,8-HpCDF	109719-84-8	100
1,2,3,4,7,8,9-Heptachloro($^{13}C_{12}$)dibenzofuran	$^{13}C_{12}$-1,2,3,4,7,8,9-HpCDF	109719-94-0	100

Certified By: ____________________ **Date:** 11/05/2021
B.G. Chittim, General Manager (mm/dd/yyyy)

Figure 1: **EPA-1613LCS; HRGC/HRMS Data (60 m DB-5 Column)**

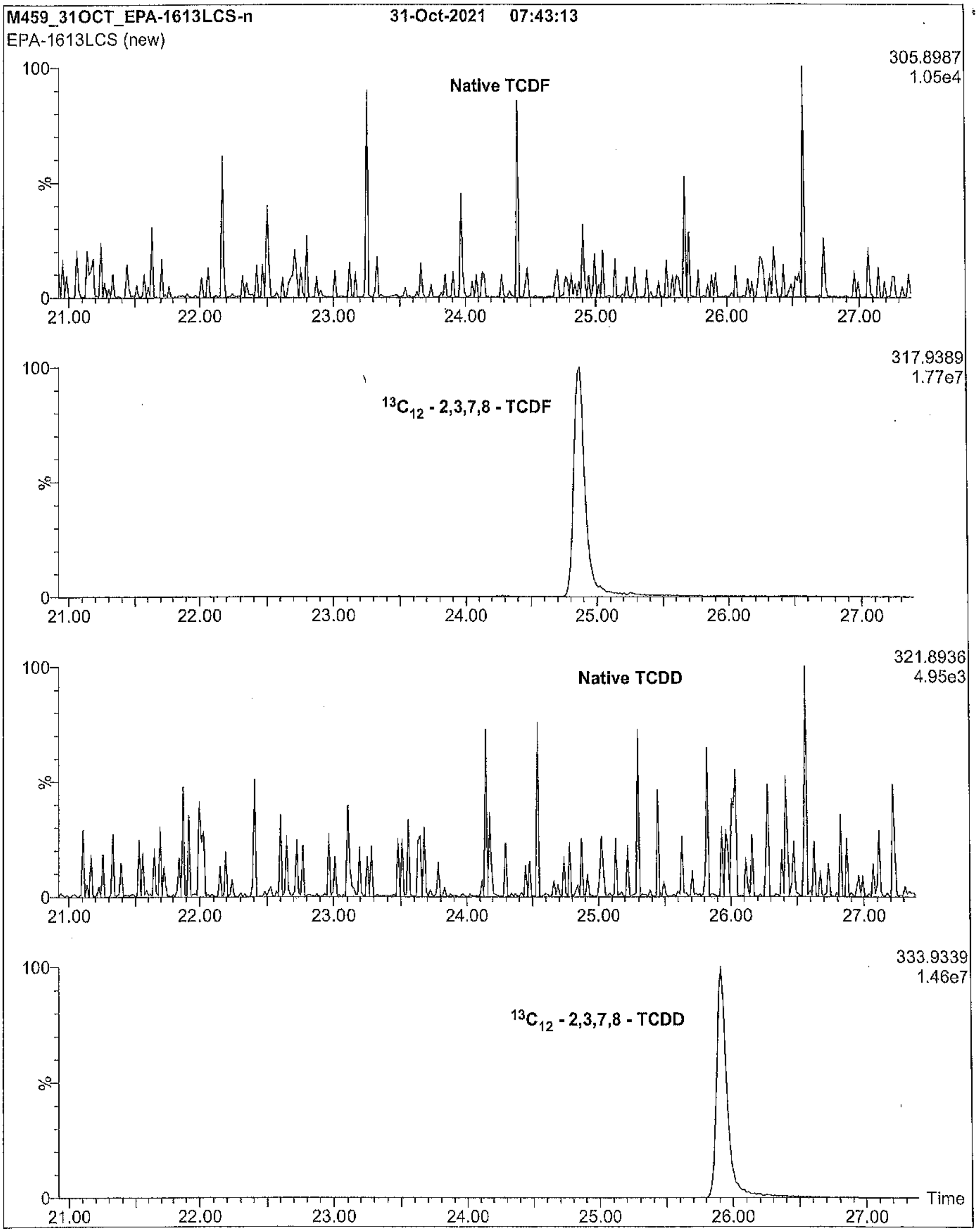


Figure 1: **EPA-1613LCS; HRGC/HRMS Data (60 m DB-5 Column)**

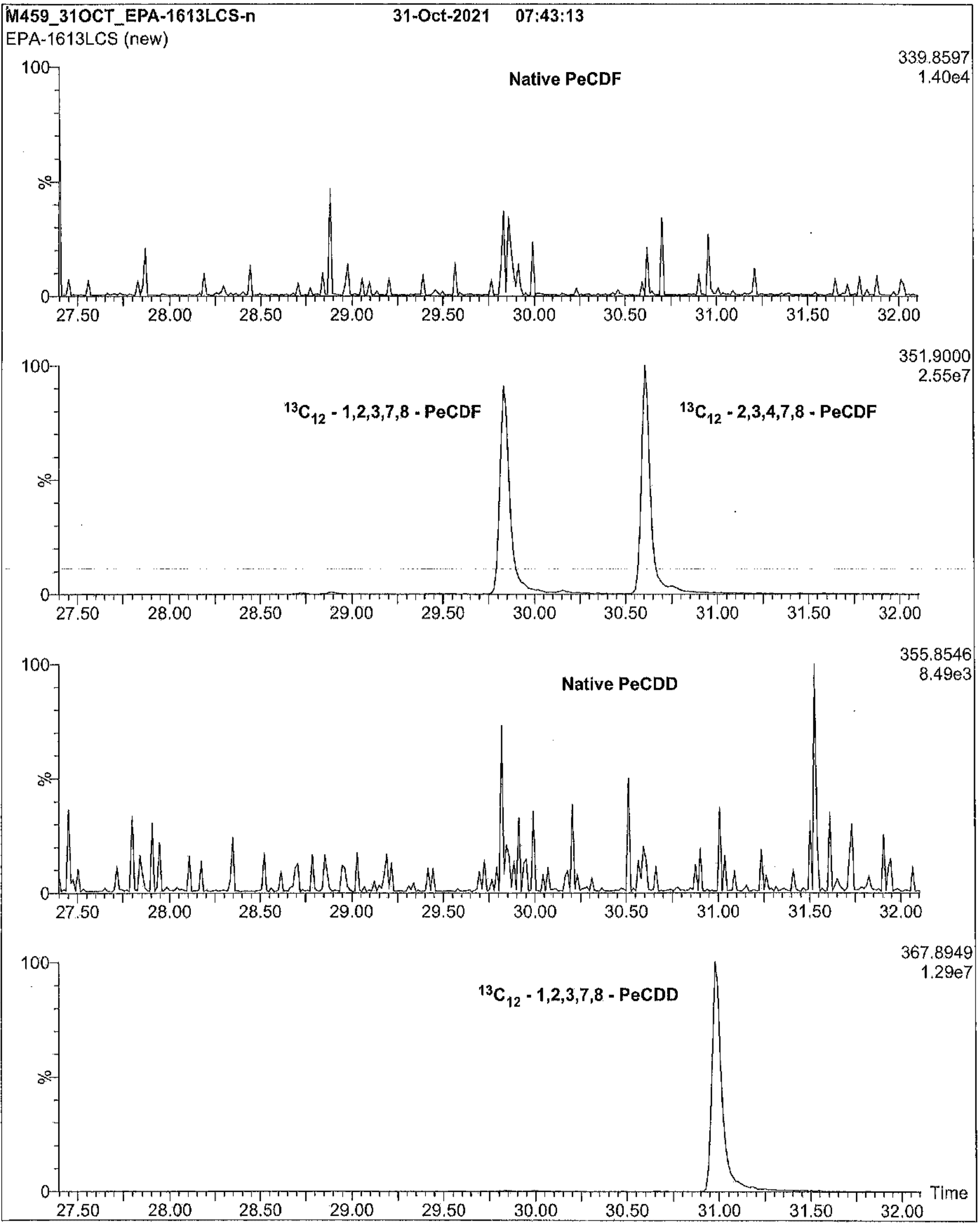


Figure 1: EPA-1613LCS; HRGC/HRMS Data (60 m DB-5 Column)

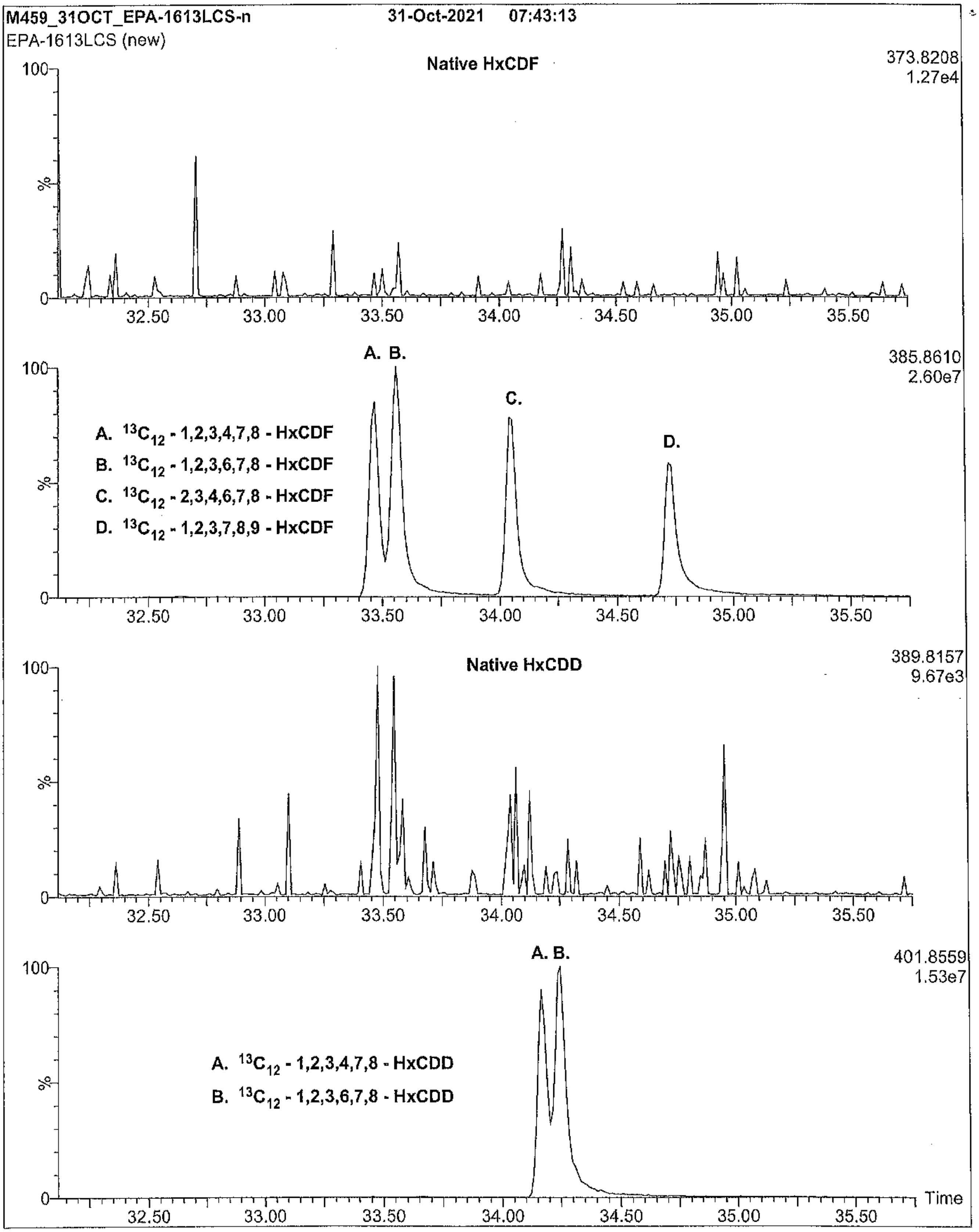


Figure 1: **EPA-1613LCS; HRGC/HRMS Data (60 m DB-5 Column)**

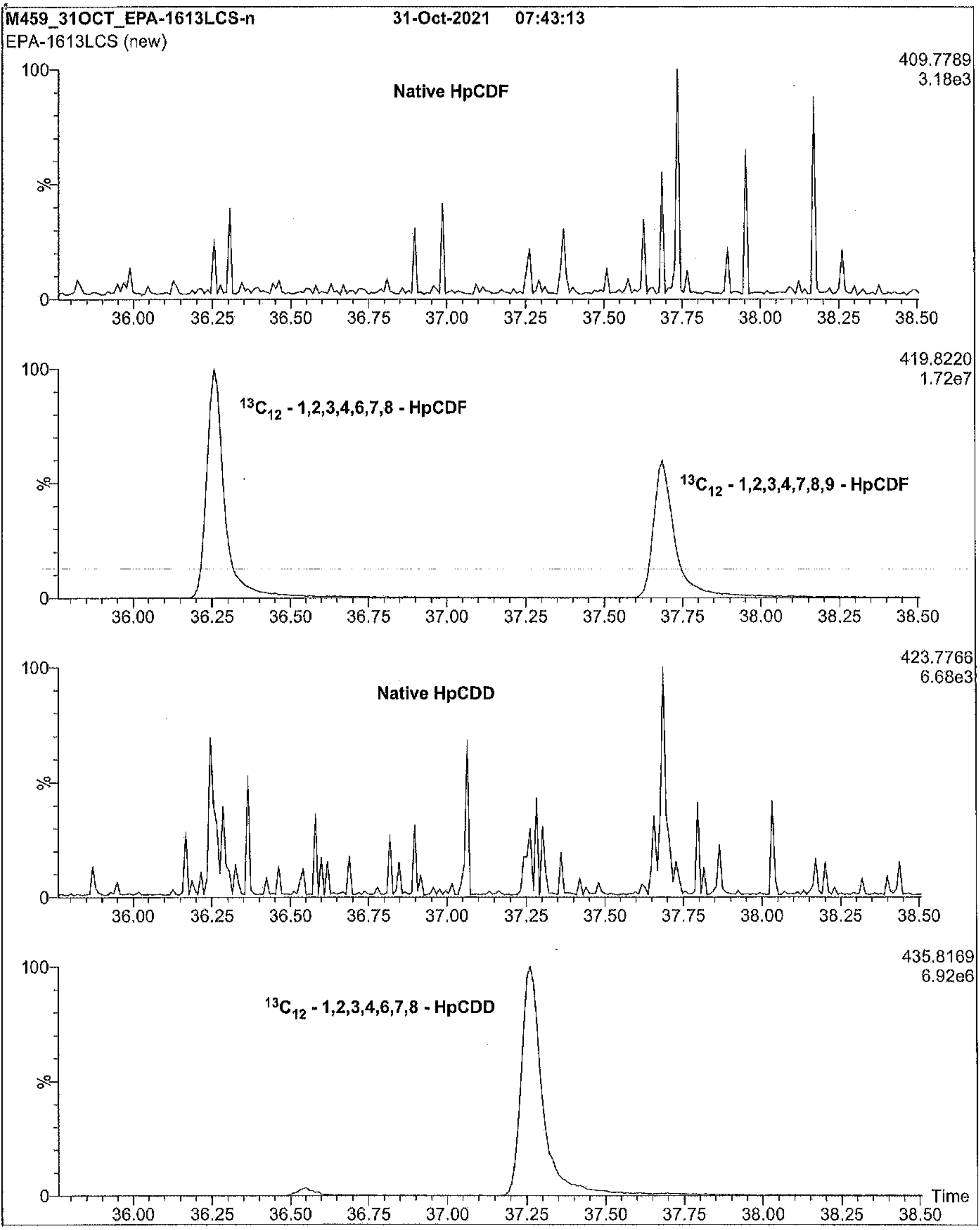
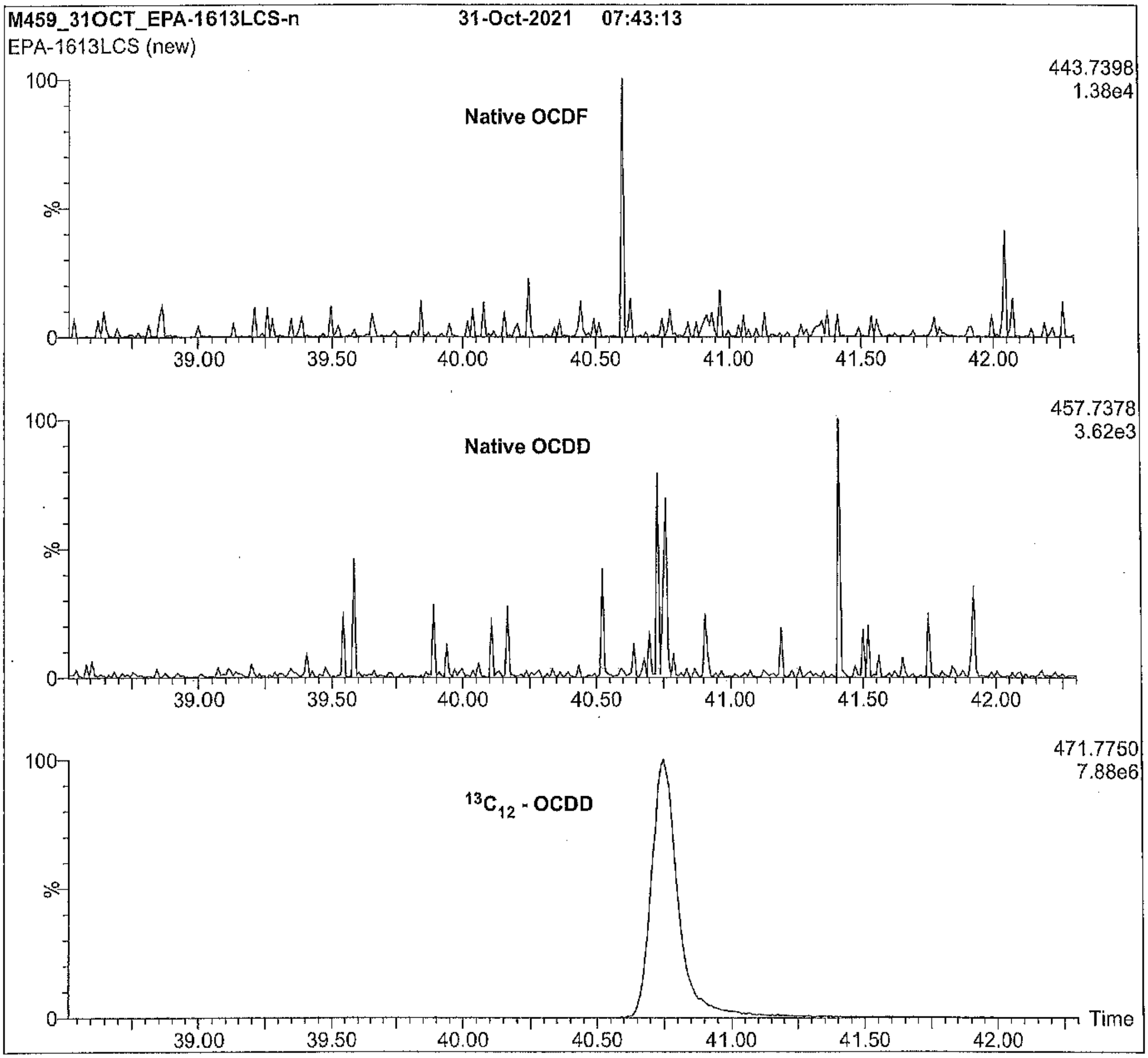


Figure 1: **EPA-1613LCS; HRGC/HRMS Data (60 m DB-5 Column)**



Conditions for Figure 1:

Agilent 6890N HRGC
Autospec Ultima HRMS

Chromatographic Conditions:

Column: 60 m DB-5 (0.25 mm id, 0.25 µm film thickness) Agilent J&W

Flow:	Constant at 1.4 mL/min	Oven:	150°C (1 min)
Injector:	280°C (Splitless Injection)		12°C/min to 200°C
Ionization:	EI+		3°C/min to 235°C
Detector:	280°C		235°C (8 min)
	SIR at 10,000 mass resolving power		8°C/min to 310°C
			310°C (8 min)

Recipient Copy

CHAIN-OF-CUSTODY RECORD

COC No. 15570

Order Number: CB014985

Date Shipped: 12/12/2022

AirBill No(s):
519204142631

From:
QATS LABORATORY
2700 CHANDLER AVENUE, BLDG. B
LAS VEGAS, NV 89120
PHONE: 1-702-895-8712

To:
SUE DUNNIHOO
ANALYTICAL RESOURCES INC.
4611 S. 134TH PLACE SUITE 100
TUKWILA WA 98168
250-695-6207

	Sample ID	Sigma ID	Qty	Description/Remarks	→ Catalogue Number
K011477	PSRM0168	SR0431	1	PUGET SOUND SEDIMENT RM	PS-SRM
K011478	PSRM0169	SR0431	1	PUGET SOUND SEDIMENT RM	PS-SRM
K011479	PSRM0171	SR0431	1	PUGET SOUND SEDIMENT RM	PS-SRM

@ 12/12/2022

PUGET SOUND SRM FOR DUWAMISH AOC4 PROJECT.

Please use the enclosed Sample Preparation Instructions. If catalogue number(s) are listed at the top of the Sample Preparation Instructions use the Sample Preparation Instructions with catalogue number(s) matching the catalogue number(s) of each of the samples listed above.

Relinquished by: (Signature)	Date/Time (1400) 12/12/2022	Received by: (Signature) Phillip	Date/Time 12/12/22 11:15
Custody Seal(s): [✓ Present]/Absent	Remarks:		
Relinquished by: (Signature)	Date/Time	Received by: (Signature)	Date/Time

Analytical Resources, LLC
Analytical Chemists and Consultants

Form I
INORGANIC ANALYSIS DATA SHEET
EPA 9060A m

LDW22-IT793A

Laboratory:	Analytical Resources, LLC				
Client:	Anchor QEA, LLC				
Project:	AOC4 UR Phase 3				
Matrix:	Sediment	Laboratory ID:	22L0307-01 C	SDG:	22L0307
Sampled:	12/12/22 08:26	Prepared:	12/22/22 10:30	File ID:	CubeData_12272022@1526-068
% Solids:	73.75	Preparation:	Plumb 1981	Analyzed:	12/25/22 22:19
Batch:	BKL0504	Sequence:	SKL0311	Initial/Final:	0.5765 g Wet / 0.5765 g
Instrument:	TOC Cube			Calibration:	FD00070

CAS NO.	Analyte	Concentration (% dry)	Dilution Factor	MDL	MRL	Q
	Total Organic Carbon	0.45	1	0.02	0.02	

Form I
INORGANIC ANALYSIS DATA SHEET
EPA 9060A m

LDW22-IT793B

Laboratory:	Analytical Resources, LLC				
Client:	Anchor QEA, LLC				
Project:	AOC4 UR Phase 3				
Matrix:	Sediment	Laboratory ID:	22L0307-02 C	SDG:	22L0307
Sampled:	12/12/22 08:26	Prepared:	12/22/22 10:30	File ID:	CubeData_12272022@1526-069
% Solids:	71.12	Preparation:	Plumb 1981	Analyzed:	12/25/22 22:50
Batch:	BKL0504	Sequence:	SKL0311	Initial/Final:	0.5373 g Wet / 0.5373 g
Instrument:	TOC Cube			Calibration:	FD00070

CAS NO.	Analyte	Concentration (% dry)	Dilution Factor	MDL	MRL	Q
	Total Organic Carbon	0.54	1	0.02	0.02	

Form I
INORGANIC ANALYSIS DATA SHEET
EPA 9060A m

LDW22-IT793C

Laboratory:	Analytical Resources, LLC				
Client:	Anchor QEA, LLC				
Project:	AOC4 UR Phase 3				
Matrix:	Sediment	Laboratory ID:	22L0307-03 C	SDG:	22L0307
Sampled:	12/12/22 08:26	Prepared:	12/22/22 10:30	File ID:	CubeData_12272022@1526-070
% Solids:	71.26	Preparation:	Plumb 1981	Analyzed:	12/25/22 23:20
Batch:	BKL0504	Sequence:	SKL0311	Initial/Final:	0.5635 g Wet / 0.5635 g
Instrument:	TOC Cube			Calibration:	FD00070

CAS NO.	Analyte	Concentration (% dry)	Dilution Factor	MDL	MRL	Q
	Total Organic Carbon	0.55	1	0.02	0.02	

Form I
INORGANIC ANALYSIS DATA SHEET
EPA 9060A m

LDW22-IT793D

Laboratory:	Analytical Resources, LLC				
Client:	Anchor QEA, LLC				
Project:	AOC4 UR Phase 3				
Matrix:	Sediment	Laboratory ID:	22L0307-04 C	SDG:	22L0307
Sampled:	12/12/22 08:26	Prepared:	12/22/22 10:30	File ID:	CubeData_12272022@1526-071
% Solids:	71.49	Preparation:	Plumb 1981	Analyzed:	12/25/22 23:51
Batch:	BKL0504	Sequence:	SKL0311	Initial/Final:	0.5415 g Wet / 0.5415 g
Instrument:	TOC Cube			Calibration:	FD00070

CAS NO.	Analyte	Concentration (% dry)	Dilution Factor	MDL	MRL	Q
	Total Organic Carbon	0.49	1	0.02	0.02	

Form I
INORGANIC ANALYSIS DATA SHEET
EPA 9060A m

LDW22-IT793D-FD

Laboratory:	Analytical Resources, LLC				
Client:	Anchor QEA, LLC				
Project:	AOC4 UR Phase 3				
Matrix:	Sediment	Laboratory ID:	22L0307-05 C	SDG:	22L0307
Sampled:	12/12/22 08:26	Prepared:	12/22/22 10:30	File ID:	CubeData_12272022@1526-072
% Solids:	71.86	Preparation:	Plumb 1981	Analyzed:	12/26/22 00:21
Batch:	BKL0504	Sequence:	SKL0311	Initial/Final:	0.5327 g Wet / 0.5327 g
Instrument:	TOC Cube			Calibration:	FD00070

CAS NO.	Analyte	Concentration (% dry)	Dilution Factor	MDL	MRL	Q
	Total Organic Carbon	0.51	1	0.02	0.02	

Form I
INORGANIC ANALYSIS DATA SHEET
EPA 9060A m

LDW22-IT793E

Laboratory:	Analytical Resources, LLC				
Client:	Anchor QEA, LLC				
Project:	AOC4 UR Phase 3				
Matrix:	Sediment	Laboratory ID:	22L0307-06 C	SDG:	22L0307
Sampled:	12/12/22 08:26	Prepared:	12/22/22 10:30	File ID:	CubeData_12272022@1526-073
% Solids:	77.65	Preparation:	Plumb 1981	Analyzed:	12/26/22 00:52
Batch:	BKL0504	Sequence:	SKL0311	Initial/Final:	0.5158 g Wet / 0.5158 g
Instrument:	TOC Cube			Calibration:	FD00070

CAS NO.	Analyte	Concentration (% dry)	Dilution Factor	MDL	MRL	Q
	Total Organic Carbon	0.27	1	0.02	0.02	

Analytical Resources, LLC
Analytical Chemists and Consultants

Form I
INORGANIC ANALYSIS DATA SHEET
EPA 9060A m

LDW22-IT793F

Laboratory:	Analytical Resources, LLC				
Client:	Anchor QEA, LLC				
Project:	AOC4 UR Phase 3				
Matrix:	Sediment	Laboratory ID:	22L0307-07 C	SDG:	22L0307
Sampled:	12/12/22 08:26	Prepared:	12/22/22 10:30	File ID:	CubeData_12272022@1526-076
% Solids:	78.13	Preparation:	Plumb 1981	Analyzed:	12/26/22 02:23
Batch:	BKL0504	Sequence:	SKL0311	Initial/Final:	0.5887 g Wet / 0.5887 g
Instrument:	TOC Cube			Calibration:	FD00070

CAS NO.	Analyte	Concentration (% dry)	Dilution Factor	MDL	MRL	Q
	Total Organic Carbon	0.29	1	0.02	0.02	

Form I
INORGANIC ANALYSIS DATA SHEET
EPA 9060A m

LDW22-IT795B

Laboratory:	Analytical Resources, LLC				
Client:	Anchor QEA, LLC				
Project:	AOC4 UR Phase 3				
Matrix:	Sediment	Laboratory ID:	22L0307-08 C	SDG:	22L0307
Sampled:	12/12/22 07:47	Prepared:	12/22/22 10:30	File ID:	CubeData_12272022@1526-077
% Solids:	68.67	Preparation:	Plumb 1981	Analyzed:	12/26/22 02:54
Batch:	BKL0504	Sequence:	SKL0311	Initial/Final:	0.5118 g Wet / 0.5118 g
Instrument:	TOC Cube			Calibration:	FD00070

CAS NO.	Analyte	Concentration (% dry)	Dilution Factor	MDL	MRL	Q
	Total Organic Carbon	0.62	1	0.02	0.02	

Form I
INORGANIC ANALYSIS DATA SHEET
EPA 9060A m

LDW22-IT795C

Laboratory:	Analytical Resources, LLC				
Client:	Anchor QEA, LLC				
Project:	AOC4 UR Phase 3				
Matrix:	Sediment	Laboratory ID:	22L0307-09 C	SDG:	22L0307
Sampled:	12/12/22 07:47	Prepared:	12/22/22 10:30	File ID:	CubeData_12272022@1526-078
% Solids:	71.38	Preparation:	Plumb 1981	Analyzed:	12/26/22 03:24
Batch:	BKL0504	Sequence:	SKL0311	Initial/Final:	0.5421 g Wet / 0.5421 g
Instrument:	TOC Cube			Calibration:	FD00070

CAS NO.	Analyte	Concentration (% dry)	Dilution Factor	MDL	MRL	Q
	Total Organic Carbon	0.45	1	0.02	0.02	

Form I
INORGANIC ANALYSIS DATA SHEET
EPA 9060A m

LDW22-IT795C-FD

Laboratory:	Analytical Resources, LLC				
Client:	Anchor QEA, LLC				
Project:	AOC4 UR Phase 3				
Matrix:	Sediment	Laboratory ID:	22L0307-10 C	SDG:	22L0307
Sampled:	12/12/22 07:47	Prepared:	12/22/22 10:30	File ID:	CubeData_12272022@1526-079
% Solids:	71.61	Preparation:	Plumb 1981	Analyzed:	12/26/22 03:55
Batch:	BKL0504	Sequence:	SKL0311	Initial/Final:	0.552 g Wet / 0.552 g
Instrument:	TOC Cube			Calibration:	FD00070

CAS NO.	Analyte	Concentration (% dry)	Dilution Factor	MDL	MRL	Q
	Total Organic Carbon	0.46	1	0.02	0.02	

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Form I
INORGANIC ANALYSIS DATA SHEET
EPA 9060A m

LDW22-IT795D

Laboratory:	Analytical Resources, LLC				
Client:	Anchor QEA, LLC				
Project:	AOC4 UR Phase 3				
Matrix:	Sediment	Laboratory ID:	22L0307-11 C	SDG:	22L0307
Sampled:	12/12/22 07:47	Prepared:	12/22/22 10:30	File ID:	CubeData_12272022@1526-080
% Solids:	72.44	Preparation:	Plumb 1981	Analyzed:	12/26/22 04:25
Batch:	BKL0504	Sequence:	SKL0311	Initial/Final:	0.5645 g Wet / 0.5645 g
Instrument:	TOC Cube			Calibration:	FD00070

CAS NO.	Analyte	Concentration (% dry)	Dilution Factor	MDL	MRL	Q
	Total Organic Carbon	0.41	1	0.02	0.02	

Form I
INORGANIC ANALYSIS DATA SHEET
EPA 9060A m

LDW22-IT795E

Laboratory:	Analytical Resources, LLC				
Client:	Anchor QEA, LLC				
Project:	AOC4 UR Phase 3				
Matrix:	Sediment	Laboratory ID:	22L0307-12 C	SDG:	22L0307
Sampled:	12/12/22 07:47	Prepared:	12/22/22 10:30	File ID:	CubeData_12272022@1526-081
% Solids:	75.04	Preparation:	Plumb 1981	Analyzed:	12/26/22 04:56
Batch:	BKL0504	Sequence:	SKL0311	Initial/Final:	0.5128 g Wet / 0.5128 g
Instrument:	TOC Cube			Calibration:	FD00070

CAS NO.	Analyte	Concentration (% dry)	Dilution Factor	MDL	MRL	Q
	Total Organic Carbon	0.34	1	0.02	0.02	

Form I
INORGANIC ANALYSIS DATA SHEET
EPA 9060A m

LDW22-IT795F

Laboratory:	Analytical Resources, LLC				
Client:	Anchor QEA, LLC				
Project:	AOC4 UR Phase 3				
Matrix:	Sediment	Laboratory ID:	22L0307-13 C	SDG:	22L0307
Sampled:	12/12/22 07:47	Prepared:	12/22/22 10:30	File ID:	CubeData_12272022@1526-082
% Solids:	79.66	Preparation:	Plumb 1981	Analyzed:	12/26/22 05:27
Batch:	BKL0504	Sequence:	SKL0311	Initial/Final:	0.5194 g Wet / 0.5194 g
Instrument:	TOC Cube			Calibration:	FD00070

CAS NO.	Analyte	Concentration (% dry)	Dilution Factor	MDL	MRL	Q
	Total Organic Carbon	0.26	1	0.02	0.02	

Form I
INORGANIC ANALYSIS DATA SHEET
EPA 9060A m

LDW22-IT795G

Laboratory:	Analytical Resources, LLC				
Client:	Anchor QEA, LLC				
Project:	AOC4 UR Phase 3				
Matrix:	Sediment	Laboratory ID:	22L0307-14 C	SDG:	22L0307
Sampled:	12/12/22 07:47	Prepared:	12/22/22 10:30	File ID:	CubeData_12272022@1526-083
% Solids:	77.77	Preparation:	Plumb 1981	Analyzed:	12/26/22 05:58
Batch:	BKL0504	Sequence:	SKL0311	Initial/Final:	0.502 g Wet / 0.502 g
Instrument:	TOC Cube			Calibration:	FD00070

CAS NO.	Analyte	Concentration (% dry)	Dilution Factor	MDL	MRL	Q
	Total Organic Carbon	0.36	1	0.02	0.02	

Form I
INORGANIC ANALYSIS DATA SHEET
EPA 9060A m

LDW22-IT806A

Laboratory:	Analytical Resources, LLC				
Client:	Anchor QEA, LLC				
Project:	AOC4 UR Phase 3				
Matrix:	Sediment	Laboratory ID:	22L0307-15 C	SDG:	22L0307
Sampled:	12/12/22 08:35	Prepared:	12/22/22 10:30	File ID:	CubeData_12272022@1526-084
% Solids:	79.25	Preparation:	Plumb 1981	Analyzed:	12/26/22 06:28
Batch:	BKL0504	Sequence:	SKL0311	Initial/Final:	0.5139 g Wet / 0.5139 g
Instrument:	TOC Cube			Calibration:	FD00070

CAS NO.	Analyte	Concentration (% dry)	Dilution Factor	MDL	MRL	Q
	Total Organic Carbon	0.29	1	0.02	0.02	

Form I
INORGANIC ANALYSIS DATA SHEET
EPA 9060A m

LDW22-IT806B

Laboratory:	Analytical Resources, LLC				
Client:	Anchor QEA, LLC				
Project:	AOC4 UR Phase 3				
Matrix:	Sediment	Laboratory ID:	22L0307-16 C	SDG:	22L0307
Sampled:	12/12/22 08:35	Prepared:	12/22/22 10:30	File ID:	CubeData_12272022@1526-085
% Solids:	61.64	Preparation:	Plumb 1981	Analyzed:	12/26/22 06:59
Batch:	BKL0504	Sequence:	SKL0311	Initial/Final:	0.514 g Wet / 0.514 g
Instrument:	TOC Cube			Calibration:	FD00070

CAS NO.	Analyte	Concentration (% dry)	Dilution Factor	MDL	MRL	Q
	Total Organic Carbon	1.10	1	0.02	0.02	

Analytical Resources, LLC
Analytical Chemists and Consultants

Form I
INORGANIC ANALYSIS DATA SHEET
EPA 9060A m

LDW22-IT806C

Laboratory:	Analytical Resources, LLC				
Client:	Anchor QEA, LLC				
Project:	AOC4 UR Phase 3				
Matrix:	Sediment	Laboratory ID:	22L0307-17 C	SDG:	22L0307
Sampled:	12/12/22 08:35	Prepared:	12/24/22 10:30	File ID:	CubeData_12282022@1302-026
% Solids:	61.85	Preparation:	Plumb 1981	Analyzed:	12/27/22 04:47
Batch:	BKL0573	Sequence:	SKL0300	Initial/Final:	0.5019 g Wet / 0.5019 g
Instrument:	TOC Cube			Calibration:	FD00070

CAS NO.	Analyte	Concentration (% dry)	Dilution Factor	MDL	MRL	Q
	Total Organic Carbon	1.18	1	0.02	0.02	

Form I
INORGANIC ANALYSIS DATA SHEET
EPA 9060A m

LDW22-IT806D

Laboratory:	Analytical Resources, LLC				
Client:	Anchor QEA, LLC				
Project:	AOC4 UR Phase 3				
Matrix:	Sediment	Laboratory ID:	22L0307-18 C	SDG:	22L0307
Sampled:	12/12/22 08:35	Prepared:	12/24/22 10:30	File ID:	CubeData_12282022@1302-031
% Solids:	69.08	Preparation:	Plumb 1981	Analyzed:	12/27/22 07:20
Batch:	BKL0573	Sequence:	SKL0300	Initial/Final:	0.5245 g Wet / 0.5245 g
Instrument:	TOC Cube			Calibration:	FD00070

CAS NO.	Analyte	Concentration (% dry)	Dilution Factor	MDL	MRL	Q
	Total Organic Carbon	0.85	1	0.02	0.02	

Form I
INORGANIC ANALYSIS DATA SHEET
EPA 9060A m

LDW22-IT806E

Laboratory:	Analytical Resources, LLC				
Client:	Anchor QEA, LLC				
Project:	AOC4 UR Phase 3				
Matrix:	Sediment	Laboratory ID:	22L0307-19 C	SDG:	22L0307
Sampled:	12/12/22 08:35	Prepared:	12/24/22 10:30	File ID:	CubeData_12282022@1302-032
% Solids:	76.05	Preparation:	Plumb 1981	Analyzed:	12/27/22 07:51
Batch:	BKL0573	Sequence:	SKL0300	Initial/Final:	0.544 g Wet / 0.544 g
Instrument:	TOC Cube			Calibration:	FD00070

CAS NO.	Analyte	Concentration (% dry)	Dilution Factor	MDL	MRL	Q
	Total Organic Carbon	0.39	1	0.02	0.02	

Form I
INORGANIC ANALYSIS DATA SHEET
EPA 9060A m

LDW22-IT806F

Laboratory:	Analytical Resources, LLC				
Client:	Anchor QEA, LLC				
Project:	AOC4 UR Phase 3				
Matrix:	Sediment	Laboratory ID:	22L0307-20 C	SDG:	22L0307
Sampled:	12/12/22 08:35	Prepared:	12/24/22 10:30	File ID:	CubeData_12282022@1302-033
% Solids:	80.32	Preparation:	Plumb 1981	Analyzed:	12/27/22 08:22
Batch:	BKL0573	Sequence:	SKL0300	Initial/Final:	0.5124 g Wet / 0.5124 g
Instrument:	TOC Cube			Calibration:	FD00070

CAS NO.	Analyte	Concentration (% dry)	Dilution Factor	MDL	MRL	Q
	Total Organic Carbon	0.15	1	0.02	0.02	

Form I
INORGANIC ANALYSIS DATA SHEET
EPA 9060A m

LDW22-SC750A

Laboratory:	Analytical Resources, LLC				
Client:	Anchor QEA, LLC				
Project:	AOC4 UR Phase 3				
Matrix:	Sediment	Laboratory ID:	22L0307-21 C	SDG:	22L0307
Sampled:	12/12/22 09:26	Prepared:	12/24/22 10:30	File ID:	CubeData_12282022@1302-034
% Solids:	65.51	Preparation:	Plumb 1981	Analyzed:	12/27/22 08:53
Batch:	BKL0573	Sequence:	SKL0300	Initial/Final:	0.5165 g Wet / 0.5165 g
Instrument:	TOC Cube			Calibration:	FD00070

CAS NO.	Analyte	Concentration (% dry)	Dilution Factor	MDL	MRL	Q
	Total Organic Carbon	1.12	1	0.02	0.02	

Analytical Resources, LLC
Analytical Chemists and Consultants

Form I
INORGANIC ANALYSIS DATA SHEET
EPA 9060A m

LDW22-SC750B

Laboratory: Analytical Resources, LLC

Client: Anchor QEA, LLC

Project: AOC4 UR Phase 3

Matrix:	Sediment	Laboratory ID:	22L0307-22 C	SDG:	22L0307
Sampled:	12/12/22 09:26	Prepared:	12/24/22 11:30	File ID:	CubeData_12282022@1302-041
% Solids:	64.89	Preparation:	Plumb 1981	Analyzed:	12/27/22 12:28
Batch:	BKL0574	Sequence:	SKL0300	Initial/Final:	0.5284 g Wet / 0.5284 g
Instrument:	TOC Cube			Calibration:	FD00070

CAS NO.	Analyte	Concentration (% dry)	Dilution Factor	MDL	MRL	Q
	Total Organic Carbon	1.14	1	0.02	0.02	

Form I
INORGANIC ANALYSIS DATA SHEET
EPA 9060A m

LDW22-SC750C

Laboratory:	Analytical Resources, LLC				
Client:	Anchor QEA, LLC				
Project:	AOC4 UR Phase 3				
Matrix:	Sediment	Laboratory ID:	22L0307-23 C	SDG:	22L0307
Sampled:	12/12/22 09:26	Prepared:	12/24/22 11:30	File ID:	CubeData_12282022@1302-044
% Solids:	67.65	Preparation:	Plumb 1981	Analyzed:	12/27/22 14:00
Batch:	BKL0574	Sequence:	SKL0300	Initial/Final:	0.531 g Wet / 0.531 g
Instrument:	TOC Cube			Calibration:	FD00070

CAS NO.	Analyte	Concentration (% dry)	Dilution Factor	MDL	MRL	Q
	Total Organic Carbon	0.95	1	0.02	0.02	

Form I
INORGANIC ANALYSIS DATA SHEET
EPA 9060A m

LDW22-SC750D

Laboratory:	Analytical Resources, LLC				
Client:	Anchor QEA, LLC				
Project:	AOC4 UR Phase 3				
Matrix:	Sediment	Laboratory ID:	22L0307-24 C	SDG:	22L0307
Sampled:	12/12/22 09:26	Prepared:	12/24/22 11:30	File ID:	CubeData_12282022@1302-045
% Solids:	68.06	Preparation:	Plumb 1981	Analyzed:	12/27/22 14:30
Batch:	BKL0574	Sequence:	SKL0300	Initial/Final:	0.5059 g Wet / 0.5059 g
Instrument:	TOC Cube			Calibration:	FD00070

CAS NO.	Analyte	Concentration (% dry)	Dilution Factor	MDL	MRL	Q
	Total Organic Carbon	0.82	1	0.02	0.02	

Form I
INORGANIC ANALYSIS DATA SHEET
EPA 9060A m

LDW22-SC750E

Laboratory:	Analytical Resources, LLC				
Client:	Anchor QEA, LLC				
Project:	AOC4 UR Phase 3				
Matrix:	Sediment	Laboratory ID:	22L0307-25 C	SDG:	22L0307
Sampled:	12/12/22 09:26	Prepared:	12/24/22 11:30	File ID:	CubeData_12282022@1302-046
% Solids:	69.42	Preparation:	Plumb 1981	Analyzed:	12/27/22 15:01
Batch:	BKL0574	Sequence:	SKL0300	Initial/Final:	0.5281 g Wet / 0.5281 g
Instrument:	TOC Cube			Calibration:	FD00070

CAS NO.	Analyte	Concentration (% dry)	Dilution Factor	MDL	MRL	Q
	Total Organic Carbon	1.11	1	0.02	0.02	

Form I
INORGANIC ANALYSIS DATA SHEET
EPA 9060A m

LDW22-SC750F

Laboratory:	Analytical Resources, LLC				
Client:	Anchor QEA, LLC				
Project:	AOC4 UR Phase 3				
Matrix:	Sediment	Laboratory ID:	22L0307-26 C	SDG:	22L0307
Sampled:	12/12/22 09:26	Prepared:	12/24/22 11:30	File ID:	CubeData_12282022@1302-047
% Solids:	75.90	Preparation:	Plumb 1981	Analyzed:	12/27/22 15:32
Batch:	BKL0574	Sequence:	SKL0300	Initial/Final:	0.6461 g Wet / 0.6461 g
Instrument:	TOC Cube			Calibration:	FD00070

CAS NO.	Analyte	Concentration (% dry)	Dilution Factor	MDL	MRL	Q
	Total Organic Carbon	0.49	1	0.02	0.02	

Analytical Resources, LLC
Analytical Chemists and Consultants

Form I
INORGANIC ANALYSIS DATA SHEET
EPA 9060A m

LDW22-SC750G

Laboratory:	Analytical Resources, LLC				
Client:	Anchor QEA, LLC				
Project:	AOC4 UR Phase 3				
Matrix:	Sediment	Laboratory ID:	22L0307-27 C	SDG:	22L0307
Sampled:	12/12/22 09:26	Prepared:	12/24/22 11:30	File ID:	CubeData_12282022@1302-052
% Solids:	68.90	Preparation:	Plumb 1981	Analyzed:	12/27/22 18:36
Batch:	BKL0574	Sequence:	SKL0300	Initial/Final:	0.5195 g Wet / 0.5195 g
Instrument:	TOC Cube			Calibration:	FD00070

CAS NO.	Analyte	Concentration (% dry)	Dilution Factor	MDL	MRL	Q
	Total Organic Carbon	1.21	1	0.02	0.02	

Form I
INORGANIC ANALYSIS DATA SHEET
EPA 9060A m

LDW22-SC750H

Laboratory:	Analytical Resources, LLC				
Client:	Anchor QEA, LLC				
Project:	AOC4 UR Phase 3				
Matrix:	Sediment	Laboratory ID:	22L0307-28 C	SDG:	22L0307
Sampled:	12/12/22 09:26	Prepared:	12/24/22 11:30	File ID:	CubeData_12282022@1302-053
% Solids:	68.53	Preparation:	Plumb 1981	Analyzed:	12/27/22 19:06
Batch:	BKL0574	Sequence:	SKL0300	Initial/Final:	0.6035 g Wet / 0.6035 g
Instrument:	TOC Cube			Calibration:	FD00070

CAS NO.	Analyte	Concentration (% dry)	Dilution Factor	MDL	MRL	Q
	Total Organic Carbon	0.93	1	0.02	0.02	

Form I
INORGANIC ANALYSIS DATA SHEET
EPA 9060A m

LDW22-IT808A

Laboratory:	Analytical Resources, LLC				
Client:	Anchor QEA, LLC				
Project:	AOC4 UR Phase 3				
Matrix:	Sediment	Laboratory ID:	22L0307-29 D	SDG:	22L0307
Sampled:	12/12/22 09:46	Prepared:	12/24/22 11:30	File ID:	CubeData_12282022@1302-054
% Solids:	54.81	Preparation:	Plumb 1981	Analyzed:	12/27/22 19:37
Batch:	BKL0574	Sequence:	SKL0300	Initial/Final:	0.5065 g Wet / 0.5065 g
Instrument:	TOC Cube			Calibration:	FD00070

CAS NO.	Analyte	Concentration (% dry)	Dilution Factor	MDL	MRL	Q
	Total Organic Carbon	1.61	1	0.02	0.02	

Form I
INORGANIC ANALYSIS DATA SHEET
EPA 9060A m

LDW22-IT808B

Laboratory:	Analytical Resources, LLC				
Client:	Anchor QEA, LLC				
Project:	AOC4 UR Phase 3				
Matrix:	Sediment	Laboratory ID:	22L0307-30 D	SDG:	22L0307
Sampled:	12/12/22 09:46	Prepared:	12/24/22 11:30	File ID:	CubeData_12282022@1302-055
% Solids:	58.32	Preparation:	Plumb 1981	Analyzed:	12/27/22 20:07
Batch:	BKL0574	Sequence:	SKL0300	Initial/Final:	0.5599 g Wet / 0.5599 g
Instrument:	TOC Cube			Calibration:	FD00070

CAS NO.	Analyte	Concentration (% dry)	Dilution Factor	MDL	MRL	Q
	Total Organic Carbon	3.11	1	0.02	0.02	

Analytical Resources, LLC
Analytical Chemists and Consultants

Form I
INORGANIC ANALYSIS DATA SHEET
EPA 9060A m

LDW22-IT808C

Laboratory:	Analytical Resources, LLC				
Client:	Anchor QEA, LLC				
Project:	AOC4 UR Phase 3				
Matrix:	Sediment	Laboratory ID:	22L0307-31 D	SDG:	22L0307
Sampled:	12/12/22 09:46	Prepared:	12/24/22 11:30	File ID:	CubeData_12282022@1302-056
% Solids:	53.02	Preparation:	Plumb 1981	Analyzed:	12/27/22 20:38
Batch:	BKL0574	Sequence:	SKL0300	Initial/Final:	0.5031 g Wet / 0.5031 g
Instrument:	TOC Cube			Calibration:	FD00070

CAS NO.	Analyte	Concentration (% dry)	Dilution Factor	MDL	MRL	Q
	Total Organic Carbon	4.97	1	0.02	0.02	

Form I
INORGANIC ANALYSIS DATA SHEET
EPA 9060A m

LDW22-IT808D

Laboratory:	Analytical Resources, LLC				
Client:	Anchor QEA, LLC				
Project:	AOC4 UR Phase 3				
Matrix:	Sediment	Laboratory ID:	22L0307-32 D	SDG:	22L0307
Sampled:	12/12/22 09:46	Prepared:	12/24/22 11:30	File ID:	CubeData_12282022@1302-057
% Solids:	61.70	Preparation:	Plumb 1981	Analyzed:	12/27/22 21:08
Batch:	BKL0574	Sequence:	SKL0300	Initial/Final:	0.5187 g Wet / 0.5187 g
Instrument:	TOC Cube			Calibration:	FD00070

CAS NO.	Analyte	Concentration (% dry)	Dilution Factor	MDL	MRL	Q
	Total Organic Carbon	2.16	1	0.02	0.02	

Form I
INORGANIC ANALYSIS DATA SHEET
EPA 9060A m

LDW22-IT808E

Laboratory:	Analytical Resources, LLC				
Client:	Anchor QEA, LLC				
Project:	AOC4 UR Phase 3				
Matrix:	Sediment	Laboratory ID:	22L0307-33 D	SDG:	22L0307
Sampled:	12/12/22 09:46	Prepared:	12/24/22 11:30	File ID:	CubeData_12282022@1302-058
% Solids:	82.39	Preparation:	Plumb 1981	Analyzed:	12/27/22 21:39
Batch:	BKL0574	Sequence:	SKL0300	Initial/Final:	0.5396 g Wet / 0.5396 g
Instrument:	TOC Cube			Calibration:	FD00070

CAS NO.	Analyte	Concentration (% dry)	Dilution Factor	MDL	MRL	Q
	Total Organic Carbon	0.02	1	0.02	0.02	

Form I
INORGANIC ANALYSIS DATA SHEET
EPA 9060A m

LDW22-IT808F

Laboratory:	Analytical Resources, LLC				
Client:	Anchor QEA, LLC				
Project:	AOC4 UR Phase 3				
Matrix:	Sediment	Laboratory ID:	22L0307-34 D	SDG:	22L0307
Sampled:	12/12/22 09:46	Prepared:	12/24/22 11:30	File ID:	CubeData_12282022@1302-059
% Solids:	80.65	Preparation:	Plumb 1981	Analyzed:	12/27/22 22:09
Batch:	BKL0574	Sequence:	SKL0300	Initial/Final:	0.5198 g Wet / 0.5198 g
Instrument:	TOC Cube			Calibration:	FD00070

CAS NO.	Analyte	Concentration (% dry)	Dilution Factor	MDL	MRL	Q
	Total Organic Carbon	0.06	1	0.02	0.02	

Form I
INORGANIC ANALYSIS DATA SHEET
EPA 9060A m

LDW22-SC804B

Laboratory:	Analytical Resources, LLC				
Client:	Anchor QEA, LLC				
Project:	AOC4 UR Phase 3				
Matrix:	Sediment	Laboratory ID:	22L0307-35 C	SDG:	22L0307
Sampled:	12/12/22 11:18	Prepared:	12/24/22 11:30	File ID:	CubeData_12282022@1302-060
% Solids:	69.42	Preparation:	Plumb 1981	Analyzed:	12/27/22 22:39
Batch:	BKL0574	Sequence:	SKL0300	Initial/Final:	0.5414 g Wet / 0.5414 g
Instrument:	TOC Cube			Calibration:	FD00070

CAS NO.	Analyte	Concentration (% dry)	Dilution Factor	MDL	MRL	Q
	Total Organic Carbon	0.72	1	0.02	0.02	

Form I
INORGANIC ANALYSIS DATA SHEET
EPA 9060A m

LDW22-SC804C

Laboratory:	Analytical Resources, LLC				
Client:	Anchor QEA, LLC				
Project:	AOC4 UR Phase 3				
Matrix:	Sediment	Laboratory ID:	22L0307-36 C	SDG:	22L0307
Sampled:	12/12/22 11:18	Prepared:	12/24/22 11:30	File ID:	CubeData_12282022@1302-061
% Solids:	80.96	Preparation:	Plumb 1981	Analyzed:	12/27/22 23:10
Batch:	BKL0574	Sequence:	SKL0300	Initial/Final:	0.5081 g Wet / 0.5081 g
Instrument:	TOC Cube			Calibration:	FD00070

CAS NO.	Analyte	Concentration (% dry)	Dilution Factor	MDL	MRL	Q
	Total Organic Carbon	0.09	1	0.02	0.02	

Form I
INORGANIC ANALYSIS DATA SHEET
EPA 9060A m

LDW22-SC804D

Laboratory:	Analytical Resources, LLC				
Client:	Anchor QEA, LLC				
Project:	AOC4 UR Phase 3				
Matrix:	Sediment	Laboratory ID:	22L0307-37 C	SDG:	22L0307
Sampled:	12/12/22 11:18	Prepared:	12/24/22 11:30	File ID:	CubeData_12282022@1302-064
% Solids:	60.16	Preparation:	Plumb 1981	Analyzed:	12/28/22 00:41
Batch:	BKL0574	Sequence:	SKL0300	Initial/Final:	0.511 g Wet / 0.511 g
Instrument:	TOC Cube			Calibration:	FD00070

CAS NO.	Analyte	Concentration (% dry)	Dilution Factor	MDL	MRL	Q
	Total Organic Carbon	2.62	1	0.02	0.02	

Form I
INORGANIC ANALYSIS DATA SHEET
EPA 9060A m

LDW22-SC804E

Laboratory:	Analytical Resources, LLC				
Client:	Anchor QEA, LLC				
Project:	AOC4 UR Phase 3				
Matrix:	Sediment	Laboratory ID:	22L0307-38 C	SDG:	22L0307
Sampled:	12/12/22 11:18	Prepared:	12/24/22 11:30	File ID:	CubeData_12282022@1302-065
% Solids:	78.89	Preparation:	Plumb 1981	Analyzed:	12/28/22 01:11
Batch:	BKL0574	Sequence:	SKL0300	Initial/Final:	0.5073 g Wet / 0.5073 g
Instrument:	TOC Cube			Calibration:	FD00070

CAS NO.	Analyte	Concentration (% dry)	Dilution Factor	MDL	MRL	Q
	Total Organic Carbon	0.22	1	0.02	0.02	

Form I
INORGANIC ANALYSIS DATA SHEET
EPA 9060A m

LDW22-SC804F

Laboratory:	Analytical Resources, LLC				
Client:	Anchor QEA, LLC				
Project:	AOC4 UR Phase 3				
Matrix:	Sediment	Laboratory ID:	22L0307-39 C	SDG:	22L0307
Sampled:	12/12/22 11:18	Prepared:	12/24/22 11:30	File ID:	CubeData_12282022@1302-066
% Solids:	72.89	Preparation:	Plumb 1981	Analyzed:	12/28/22 01:42
Batch:	BKL0574	Sequence:	SKL0300	Initial/Final:	0.5214 g Wet / 0.5214 g
Instrument:	TOC Cube			Calibration:	FD00070

CAS NO.	Analyte	Concentration (% dry)	Dilution Factor	MDL	MRL	Q
	Total Organic Carbon	0.36	1	0.02	0.02	

Analytical Resources, LLC
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Form I
INORGANIC ANALYSIS DATA SHEET
EPA 9060A m

LDW22-SC804F-FD

Laboratory:	Analytical Resources, LLC				
Client:	Anchor QEA, LLC				
Project:	AOC4 UR Phase 3				
Matrix:	Sediment	Laboratory ID:	22L0307-40 C	SDG:	22L0307
Sampled:	12/12/22 11:18	Prepared:	12/24/22 11:30	File ID:	CubeData_12282022@1302-067
% Solids:	73.41	Preparation:	Plumb 1981	Analyzed:	12/28/22 02:12
Batch:	BKL0574	Sequence:	SKL0300	Initial/Final:	0.5126 g Wet / 0.5126 g
Instrument:	TOC Cube			Calibration:	FD00070

CAS NO.	Analyte	Concentration (% dry)	Dilution Factor	MDL	MRL	Q
	Total Organic Carbon	0.39	1	0.02	0.02	

Form I
INORGANIC ANALYSIS DATA SHEET
EPA 9060A m

LDW22-SC804G

Laboratory:	Analytical Resources, LLC				
Client:	Anchor QEA, LLC				
Project:	AOC4 UR Phase 3				
Matrix:	Sediment	Laboratory ID:	22L0307-41 C	SDG:	22L0307
Sampled:	12/12/22 11:18	Prepared:	12/24/22 11:30	File ID:	CubeData_12282022@1302-068
% Solids:	70.39	Preparation:	Plumb 1981	Analyzed:	12/28/22 02:43
Batch:	BKL0574	Sequence:	SKL0300	Initial/Final:	0.5339 g Wet / 0.5339 g
Instrument:	TOC Cube			Calibration:	FD00070

CAS NO.	Analyte	Concentration (% dry)	Dilution Factor	MDL	MRL	Q
	Total Organic Carbon	0.45	1	0.02	0.02	

Form I
INORGANIC ANALYSIS DATA SHEET
EPA 9060A m

LDW22-SC804H

Laboratory:	Analytical Resources, LLC				
Client:	Anchor QEA, LLC				
Project:	AOC4 UR Phase 3				
Matrix:	Sediment	Laboratory ID:	22L0307-42 C	SDG:	22L0307
Sampled:	12/12/22 11:18	Prepared:	12/24/22 12:40	File ID:	CubeData_12282022@1302-073
% Solids:	74.12	Preparation:	Plumb 1981	Analyzed:	12/28/22 05:16
Batch:	BKL0586	Sequence:	SKL0300	Initial/Final:	0.5997 g Wet / 0.5997 g
Instrument:	TOC Cube			Calibration:	FD00070

CAS NO.	Analyte	Concentration (% dry)	Dilution Factor	MDL	MRL	Q
	Total Organic Carbon	0.49	1	0.02	0.02	

Form I
INORGANIC ANALYSIS DATA SHEET
EPA 9060A m

LDW22-SC752A

Laboratory:	Analytical Resources, LLC				
Client:	Anchor QEA, LLC				
Project:	AOC4 UR Phase 3				
Matrix:	Sediment	Laboratory ID:	22L0307-43 C	SDG:	22L0307
Sampled:	12/12/22 11:01	Prepared:	12/24/22 12:40	File ID:	CubeData_12282022@1302-078
% Solids:	68.83	Preparation:	Plumb 1981	Analyzed:	12/28/22 07:48
Batch:	BKL0586	Sequence:	SKL0300	Initial/Final:	0.5455 g Wet / 0.5455 g
Instrument:	TOC Cube			Calibration:	FD00070

CAS NO.	Analyte	Concentration (% dry)	Dilution Factor	MDL	MRL	Q
	Total Organic Carbon	0.53	1	0.02	0.02	

Form I
INORGANIC ANALYSIS DATA SHEET
EPA 9060A m

LDW22-SC752B

Laboratory:	Analytical Resources, LLC				
Client:	Anchor QEA, LLC				
Project:	AOC4 UR Phase 3				
Matrix:	Sediment	Laboratory ID:	22L0307-44 C	SDG:	22L0307
Sampled:	12/12/22 11:01	Prepared:	12/24/22 12:40	File ID:	CubeData_12282022@1302-079
% Solids:	71.27	Preparation:	Plumb 1981	Analyzed:	12/28/22 08:19
Batch:	BKL0586	Sequence:	SKL0300	Initial/Final:	0.5176 g Wet / 0.5176 g
Instrument:	TOC Cube			Calibration:	FD00070

CAS NO.	Analyte	Concentration (% dry)	Dilution Factor	MDL	MRL	Q
	Total Organic Carbon	0.64	1	0.02	0.02	

Form I
INORGANIC ANALYSIS DATA SHEET
EPA 9060A m

LDW22-SC752C

Laboratory:	Analytical Resources, LLC				
Client:	Anchor QEA, LLC				
Project:	AOC4 UR Phase 3				
Matrix:	Sediment	Laboratory ID:	22L0307-45 C	SDG:	22L0307
Sampled:	12/12/22 11:01	Prepared:	12/24/22 12:40	File ID:	CubeData_12282022@1302-080
% Solids:	70.58	Preparation:	Plumb 1981	Analyzed:	12/28/22 08:49
Batch:	BKL0586	Sequence:	SKL0300	Initial/Final:	0.5084 g Wet / 0.5084 g
Instrument:	TOC Cube			Calibration:	FD00070

CAS NO.	Analyte	Concentration (% dry)	Dilution Factor	MDL	MRL	Q
	Total Organic Carbon	0.68	1	0.02	0.02	

Form I
INORGANIC ANALYSIS DATA SHEET
EPA 9060A m

LDW22-SC752D

Laboratory:	Analytical Resources, LLC				
Client:	Anchor QEA, LLC				
Project:	AOC4 UR Phase 3				
Matrix:	Sediment	Laboratory ID:	22L0307-46 C	SDG:	22L0307
Sampled:	12/12/22 11:01	Prepared:	12/24/22 12:40	File ID:	CubeData_12282022@1302-081
% Solids:	66.33	Preparation:	Plumb 1981	Analyzed:	12/28/22 09:20
Batch:	BKL0586	Sequence:	SKL0300	Initial/Final:	0.5477 g Wet / 0.5477 g
Instrument:	TOC Cube			Calibration:	FD00070

CAS NO.	Analyte	Concentration (% dry)	Dilution Factor	MDL	MRL	Q
	Total Organic Carbon	1.12	1	0.02	0.02	

Form I
INORGANIC ANALYSIS DATA SHEET
EPA 9060A m

LDW22-SC752E

Laboratory:	Analytical Resources, LLC				
Client:	Anchor QEA, LLC				
Project:	AOC4 UR Phase 3				
Matrix:	Sediment	Laboratory ID:	22L0307-47 C	SDG:	22L0307
Sampled:	12/12/22 11:01	Prepared:	12/24/22 12:40	File ID:	CubeData_12282022@1302-082
% Solids:	68.12	Preparation:	Plumb 1981	Analyzed:	12/28/22 09:51
Batch:	BKL0586	Sequence:	SKL0300	Initial/Final:	0.6237 g Wet / 0.6237 g
Instrument:	TOC Cube			Calibration:	FD00070

CAS NO.	Analyte	Concentration (% dry)	Dilution Factor	MDL	MRL	Q
	Total Organic Carbon	0.95	1	0.02	0.02	

Form I
INORGANIC ANALYSIS DATA SHEET
EPA 9060A m

LDW22-SC752F

Laboratory:	Analytical Resources, LLC				
Client:	Anchor QEA, LLC				
Project:	AOC4 UR Phase 3				
Matrix:	Sediment	Laboratory ID:	22L0307-48 C	SDG:	22L0307
Sampled:	12/12/22 11:01	Prepared:	12/24/22 12:40	File ID:	CubeData_12282022@1302-083
% Solids:	65.23	Preparation:	Plumb 1981	Analyzed:	12/28/22 10:22
Batch:	BKL0586	Sequence:	SKL0300	Initial/Final:	0.5247 g Wet / 0.5247 g
Instrument:	TOC Cube			Calibration:	FD00070

CAS NO.	Analyte	Concentration (% dry)	Dilution Factor	MDL	MRL	Q
	Total Organic Carbon	1.65	1	0.02	0.02	

Form I
INORGANIC ANALYSIS DATA SHEET
EPA 9060A m

LDW22-SC752G

Laboratory:	Analytical Resources, LLC				
Client:	Anchor QEA, LLC				
Project:	AOC4 UR Phase 3				
Matrix:	Sediment	Laboratory ID:	22L0307-49 C	SDG:	22L0307
Sampled:	12/12/22 11:01	Prepared:	12/24/22 12:40	File ID:	CubeData_12282022@1302-084
% Solids:	75.21	Preparation:	Plumb 1981	Analyzed:	12/28/22 10:52
Batch:	BKL0586	Sequence:	SKL0300	Initial/Final:	0.5026 g Wet / 0.5026 g
Instrument:	TOC Cube			Calibration:	FD00070

CAS NO.	Analyte	Concentration (% dry)	Dilution Factor	MDL	MRL	Q
	Total Organic Carbon	0.42	1	0.02	0.02	

Form I
INORGANIC ANALYSIS DATA SHEET
EPA 9060A m

LDW22-SC752H

Laboratory:	Analytical Resources, LLC				
Client:	Anchor QEA, LLC				
Project:	AOC4 UR Phase 3				
Matrix:	Sediment	Laboratory ID:	22L0307-50 C	SDG:	22L0307
Sampled:	12/12/22 11:01	Prepared:	12/24/22 12:40	File ID:	CubeData_12282022@1302-085
% Solids:	77.14	Preparation:	Plumb 1981	Analyzed:	12/28/22 11:23
Batch:	BKL0586	Sequence:	SKL0300	Initial/Final:	0.5512 g Wet / 0.5512 g
Instrument:	TOC Cube			Calibration:	FD00070

CAS NO.	Analyte	Concentration (% dry)	Dilution Factor	MDL	MRL	Q
	Total Organic Carbon	0.17	1	0.02	0.02	

Form I
INORGANIC ANALYSIS DATA SHEET
EPA 9060A m

LDW22-SC752B-FD

Laboratory:	Analytical Resources, LLC				
Client:	Anchor QEA, LLC				
Project:	AOC4 UR Phase 3				
Matrix:	Sediment	Laboratory ID:	22L0307-51 C	SDG:	22L0307
Sampled:	12/12/22 11:01	Prepared:	12/24/22 12:40	File ID:	CubeData_01032023@1005-059
% Solids:	72.82	Preparation:	Plumb 1981	Analyzed:	12/28/22 16:58
Batch:	BKL0586	Sequence:	SKL0336	Initial/Final:	0.5135 g Wet / 0.5135 g
Instrument:	TOC Cube			Calibration:	FD00070

CAS NO.	Analyte	Concentration (% dry)	Dilution Factor	MDL	MRL	Q
	Total Organic Carbon	0.71	1	0.02	0.02	

Form I
INORGANIC ANALYSIS DATA SHEET
EPA 9060A m

LDW22-SC800A

Laboratory:	Analytical Resources, LLC				
Client:	Anchor QEA, LLC				
Project:	AOC4 UR Phase 3				
Matrix:	Sediment	Laboratory ID:	22L0307-52 C	SDG:	22L0307
Sampled:	12/12/22 12:14	Prepared:	12/24/22 12:40	File ID:	CubeData_01032023@1005-072
% Solids:	43.92	Preparation:	Plumb 1981	Analyzed:	12/28/22 17:28
Batch:	BKL0586	Sequence:	SKL0336	Initial/Final:	0.2066 g Wet / 0.2066 g
Instrument:	TOC Cube			Calibration:	FD00070

CAS NO.	Analyte	Concentration (% dry)	Dilution Factor	MDL	MRL	Q
	Total Organic Carbon	3.05	1	0.02	0.02	

Form I
INORGANIC ANALYSIS DATA SHEET
EPA 9060A m

LDW22-SC800B

Laboratory: Analytical Resources, LLC

Client: Anchor QEA, LLC

Project: AOC4 UR Phase 3

Matrix:	Sediment	Laboratory ID:	22L0307-53 C	SDG:	22L0307
Sampled:	12/12/22 12:14	Prepared:	12/24/22 12:40	File ID:	CubeData_01032023@1005-080
% Solids:	49.42	Preparation:	Plumb 1981	Analyzed:	12/28/22 17:59
Batch:	BKL0586	Sequence:	SKL0336	Initial/Final:	0.5108 g Wet / 0.5108 g
Instrument:	TOC Cube			Calibration:	FD00070

CAS NO.	Analyte	Concentration (% dry)	Dilution Factor	MDL	MRL	Q
	Total Organic Carbon	2.00	1	0.02	0.02	

Form I
INORGANIC ANALYSIS DATA SHEET
EPA 9060A m

LDW22-SC800C

Laboratory:	Analytical Resources, LLC				
Client:	Anchor QEA, LLC				
Project:	AOC4 UR Phase 3				
Matrix:	Sediment	Laboratory ID:	22L0307-54 C	SDG:	22L0307
Sampled:	12/12/22 12:14	Prepared:	12/24/22 12:40	File ID:	CubeData_01032023@1005-087
% Solids:	56.93	Preparation:	Plumb 1981	Analyzed:	12/28/22 18:29
Batch:	BKL0586	Sequence:	SKL0336	Initial/Final:	0.5118 g Wet / 0.5118 g
Instrument:	TOC Cube			Calibration:	FD00070

CAS NO.	Analyte	Concentration (% dry)	Dilution Factor	MDL	MRL	Q
	Total Organic Carbon	1.51	1	0.02	0.02	

Form I
INORGANIC ANALYSIS DATA SHEET
EPA 9060A m

LDW22-SC800D

Laboratory:	Analytical Resources, LLC				
Client:	Anchor QEA, LLC				
Project:	AOC4 UR Phase 3				
Matrix:	Sediment	Laboratory ID:	22L0307-55 C	SDG:	22L0307
Sampled:	12/12/22 12:14	Prepared:	12/24/22 12:40	File ID:	CubeData_01032023@1005-101
% Solids:	59.93	Preparation:	Plumb 1981	Analyzed:	12/28/22 19:00
Batch:	BKL0586	Sequence:	SKL0336	Initial/Final:	0.5103 g Wet / 0.5103 g
Instrument:	TOC Cube			Calibration:	FD00070

CAS NO.	Analyte	Concentration (% dry)	Dilution Factor	MDL	MRL	Q
	Total Organic Carbon	1.81	1	0.02	0.02	

Form I
INORGANIC ANALYSIS DATA SHEET
EPA 9060A m

LDW22-SC800E

Laboratory:	Analytical Resources, LLC				
Client:	Anchor QEA, LLC				
Project:	AOC4 UR Phase 3				
Matrix:	Sediment	Laboratory ID:	22L0307-56 C	SDG:	22L0307
Sampled:	12/12/22 12:14	Prepared:	12/24/22 12:40	File ID:	CubeData_01032023@1005-110
% Solids:	65.68	Preparation:	Plumb 1981	Analyzed:	12/28/22 19:30
Batch:	BKL0586	Sequence:	SKL0336	Initial/Final:	0.5045 g Wet / 0.5045 g
Instrument:	TOC Cube			Calibration:	FD00070

CAS NO.	Analyte	Concentration (% dry)	Dilution Factor	MDL	MRL	Q
	Total Organic Carbon	2.06	1	0.02	0.02	

Form I
INORGANIC ANALYSIS DATA SHEET
EPA 9060A m

LDW22-SC800F

Laboratory:	Analytical Resources, LLC				
Client:	Anchor QEA, LLC				
Project:	AOC4 UR Phase 3				
Matrix:	Sediment	Laboratory ID:	22L0307-57 C	SDG:	22L0307
Sampled:	12/12/22 12:14	Prepared:	12/24/22 12:40	File ID:	CubeData_01032023@1005-123
% Solids:	55.51	Preparation:	Plumb 1981	Analyzed:	12/28/22 20:01
Batch:	BKL0586	Sequence:	SKL0336	Initial/Final:	0.5024 g Wet / 0.5024 g
Instrument:	TOC Cube			Calibration:	FD00070

CAS NO.	Analyte	Concentration (% dry)	Dilution Factor	MDL	MRL	Q
	Total Organic Carbon	2.28	1	0.02	0.02	

Form I
INORGANIC ANALYSIS DATA SHEET
EPA 9060A m

LDW22-SC800G

Laboratory:	Analytical Resources, LLC				
Client:	Anchor QEA, LLC				
Project:	AOC4 UR Phase 3				
Matrix:	Sediment	Laboratory ID:	22L0307-58 C	SDG:	22L0307
Sampled:	12/12/22 12:14	Prepared:	12/24/22 12:40	File ID:	CubeData_01032023@1005-134
% Solids:	68.78	Preparation:	Plumb 1981	Analyzed:	12/28/22 20:31
Batch:	BKL0586	Sequence:	SKL0336	Initial/Final:	0.505 g Wet / 0.505 g
Instrument:	TOC Cube			Calibration:	FD00070

CAS NO.	Analyte	Concentration (% dry)	Dilution Factor	MDL	MRL	Q
	Total Organic Carbon	1.68	1	0.02	0.02	

Form I
INORGANIC ANALYSIS DATA SHEET
EPA 9060A m

LDW22-SC800H

Laboratory:	Analytical Resources, LLC				
Client:	Anchor QEA, LLC				
Project:	AOC4 UR Phase 3				
Matrix:	Sediment	Laboratory ID:	22L0307-59 C	SDG:	22L0307
Sampled:	12/12/22 12:14	Prepared:	12/24/22 12:40	File ID:	CubeData_01032023@1005-146
% Solids:	63.88	Preparation:	Plumb 1981	Analyzed:	12/28/22 21:01
Batch:	BKL0586	Sequence:	SKL0336	Initial/Final:	0.5334 g Wet / 0.5334 g
Instrument:	TOC Cube			Calibration:	FD00070

CAS NO.	Analyte	Concentration (% dry)	Dilution Factor	MDL	MRL	Q
	Total Organic Carbon	3.29	1	0.02	0.02	

Form I
INORGANIC ANALYSIS DATA SHEET
EPA 9060A m

LDW22-SC783B

Laboratory:	Analytical Resources, LLC				
Client:	Anchor QEA, LLC				
Project:	AOC4 UR Phase 3				
Matrix:	Sediment	Laboratory ID:	22L0307-60 C	SDG:	22L0307
Sampled:	12/12/22 12:59	Prepared:	12/24/22 12:40	File ID:	CubeData_01032023@1005-154
% Solids:	57.84	Preparation:	Plumb 1981	Analyzed:	12/28/22 21:32
Batch:	BKL0586	Sequence:	SKL0336	Initial/Final:	0.5155 g Wet / 0.5155 g
Instrument:	TOC Cube			Calibration:	FD00070

CAS NO.	Analyte	Concentration (% dry)	Dilution Factor	MDL	MRL	Q
	Total Organic Carbon	1.84	1	0.02	0.02	

Form I
INORGANIC ANALYSIS DATA SHEET
EPA 9060A m

LDW22-SC783C

Laboratory:	Analytical Resources, LLC				
Client:	Anchor QEA, LLC				
Project:	AOC4 UR Phase 3				
Matrix:	Sediment	Laboratory ID:	22L0307-61 C	SDG:	22L0307
Sampled:	12/12/22 12:59	Prepared:	12/24/22 12:40	File ID:	CubeData_01032023@1005-172
% Solids:	65.26	Preparation:	Plumb 1981	Analyzed:	12/28/22 23:03
Batch:	BKL0586	Sequence:	SKL0336	Initial/Final:	0.5318 g Wet / 0.5318 g
Instrument:	TOC Cube			Calibration:	FD00070

CAS NO.	Analyte	Concentration (% dry)	Dilution Factor	MDL	MRL	Q
	Total Organic Carbon	0.96	1	0.02	0.02	

Form I
INORGANIC ANALYSIS DATA SHEET
EPA 9060A m

LDW22-SC783D

Laboratory:	Analytical Resources, LLC				
Client:	Anchor QEA, LLC				
Project:	AOC4 UR Phase 3				
Matrix:	Sediment	Laboratory ID:	22L0307-62 C	SDG:	22L0307
Sampled:	12/12/22 12:59	Prepared:	12/26/22 14:10	File ID:	CubeData_01032023@1005-204
% Solids:	58.88	Preparation:	Plumb 1981	Analyzed:	12/29/22 01:36
Batch:	BKL0587	Sequence:	SKL0336	Initial/Final:	0.5396 g Wet / 0.5396 g
Instrument:	TOC Cube			Calibration:	FD00070

CAS NO.	Analyte	Concentration (% dry)	Dilution Factor	MDL	MRL	Q
	Total Organic Carbon	1.60	1	0.02	0.02	

Analytical Resources, LLC
Analytical Chemists and Consultants

Form I
INORGANIC ANALYSIS DATA SHEET
EPA 9060A m

LDW22-SC783E

Laboratory:	Analytical Resources, LLC				
Client:	Anchor QEA, LLC				
Project:	AOC4 UR Phase 3				
Matrix:	Sediment	Laboratory ID:	22L0307-63 C	SDG:	22L0307
Sampled:	12/12/22 12:59	Prepared:	12/26/22 14:10	File ID:	CubeData_01032023@1005-224
% Solids:	64.48	Preparation:	Plumb 1981	Analyzed:	12/29/22 03:08
Batch:	BKL0587	Sequence:	SKL0336	Initial/Final:	0.5143 g Wet / 0.5143 g
Instrument:	TOC Cube			Calibration:	FD00070

CAS NO.	Analyte	Concentration (% dry)	Dilution Factor	MDL	MRL	Q
	Total Organic Carbon	1.34	1	0.02	0.02	

Form I
INORGANIC ANALYSIS DATA SHEET
EPA 9060A m

LDW22-SC783F

Laboratory:	Analytical Resources, LLC				
Client:	Anchor QEA, LLC				
Project:	AOC4 UR Phase 3				
Matrix:	Sediment	Laboratory ID:	22L0307-64 C	SDG:	22L0307
Sampled:	12/12/22 12:59	Prepared:	12/26/22 14:10	File ID:	CubeData_01032023@1005-230
% Solids:	61.21	Preparation:	Plumb 1981	Analyzed:	12/29/22 03:38
Batch:	BKL0587	Sequence:	SKL0336	Initial/Final:	0.5563 g Wet / 0.5563 g
Instrument:	TOC Cube			Calibration:	FD00070

CAS NO.	Analyte	Concentration (% dry)	Dilution Factor	MDL	MRL	Q
	Total Organic Carbon	1.55	1	0.02	0.02	

Analytical Resources, LLC
Analytical Chemists and Consultants

Form I
INORGANIC ANALYSIS DATA SHEET
EPA 9060A m

LDW22-SC783G

Laboratory:	Analytical Resources, LLC				
Client:	Anchor QEA, LLC				
Project:	AOC4 UR Phase 3				
Matrix:	Sediment	Laboratory ID:	22L0307-65 C	SDG:	22L0307
Sampled:	12/12/22 12:59	Prepared:	12/26/22 14:10	File ID:	CubeData_01032023@1005-252
% Solids:	62.70	Preparation:	Plumb 1981	Analyzed:	12/29/22 05:10
Batch:	BKL0587	Sequence:	SKL0336	Initial/Final:	0.5406 g Wet / 0.5406 g
Instrument:	TOC Cube			Calibration:	FD00070

CAS NO.	Analyte	Concentration (% dry)	Dilution Factor	MDL	MRL	Q
	Total Organic Carbon	1.76	1	0.02	0.02	

Form I
INORGANIC ANALYSIS DATA SHEET
EPA 9060A m

LDW22-SC783H

Laboratory:	Analytical Resources, LLC				
Client:	Anchor QEA, LLC				
Project:	AOC4 UR Phase 3				
Matrix:	Sediment	Laboratory ID:	22L0307-66 C	SDG:	22L0307
Sampled:	12/12/22 12:59	Prepared:	12/26/22 14:10	File ID:	CubeData_01032023@1005-258
% Solids:	64.60	Preparation:	Plumb 1981	Analyzed:	12/29/22 05:40
Batch:	BKL0587	Sequence:	SKL0336	Initial/Final:	0.5274 g Wet / 0.5274 g
Instrument:	TOC Cube			Calibration:	FD00070

CAS NO.	Analyte	Concentration (% dry)	Dilution Factor	MDL	MRL	Q
	Total Organic Carbon	1.46	1	0.02	0.02	

Analytical Resources, LLC
Analytical Chemists and Consultants

PREPARATION BATCH SUMMARY

EPA 9060A m

Laboratory:	Analytical Resources, LLC	SDG:	22L0307
Client:	Anchor QEA, LLC	Project:	AOC4 UR Phase 3
Batch:	BKL0504 Batch Matrix: Solid	Preparation:	Plumb 1981

SAMPLE NAME	LAB SAMPLE ID	LAB FILE ID	DATE PREPARED	OBSERVATIONS
LDW22-IT793A	22L0307-01	eData_12272022@1526-	12/22/22 10:30	
LDW22-IT793B	22L0307-02	eData_12272022@1526-	12/22/22 10:30	
LDW22-IT793C	22L0307-03	eData_12272022@1526-	12/22/22 10:30	
LDW22-IT793D	22L0307-04	eData_12272022@1526-	12/22/22 10:30	
LDW22-IT793D-FD	22L0307-05	eData_12272022@1526-	12/22/22 10:30	
LDW22-IT793E	22L0307-06	eData_12272022@1526-	12/22/22 10:30	
LDW22-IT793F	22L0307-07	eData_12272022@1526-	12/22/22 10:30	
LDW22-IT795B	22L0307-08	eData_12272022@1526-	12/22/22 10:30	
LDW22-IT795C	22L0307-09	eData_12272022@1526-	12/22/22 10:30	
LDW22-IT795C-FD	22L0307-10	eData_12272022@1526-	12/22/22 10:30	
LDW22-IT795D	22L0307-11	eData_12272022@1526-	12/22/22 10:30	
LDW22-IT795E	22L0307-12	eData_12272022@1526-	12/22/22 10:30	
LDW22-IT795F	22L0307-13	eData_12272022@1526-	12/22/22 10:30	
LDW22-IT795G	22L0307-14	eData_12272022@1526-	12/22/22 10:30	
LDW22-IT806A	22L0307-15	eData_12272022@1526-	12/22/22 10:30	
LDW22-IT806B	22L0307-16	eData_12272022@1526-	12/22/22 10:30	
Blank	BKL0504-BLK1	eData_12272022@1526-	12/22/22 10:30	
LCS	BKL0504-BS1	eData_12272022@1526-	12/22/22 10:30	
MRL Check	BKL0504-MRL1	eData_12272022@1526-	12/22/22 10:30	
Reference	BKL0504-SRM1	eData_12272022@1526-	12/22/22 10:30	

PREPARATION BATCH SUMMARY

EPA 9060A m

Laboratory:	Analytical Resources, LLC			SDG:	22L0307
Client:	Anchor QEA, LLC			Project:	AOC4 UR Phase 3
Batch:	BKL0573	Batch Matrix:	Solid	Preparation:	Plumb 1981

SAMPLE NAME	LAB SAMPLE ID	LAB FILE ID	DATE PREPARED	OBSERVATIONS
LDW22-IT806C	22L0307-17	eData_12282022@1302-	12/24/22 10:30	
LDW22-IT806D	22L0307-18	eData_12282022@1302-	12/24/22 10:30	
LDW22-IT806E	22L0307-19	eData_12282022@1302-	12/24/22 10:30	
LDW22-IT806F	22L0307-20	eData_12282022@1302-	12/24/22 10:30	
LDW22-SC750A	22L0307-21	eData_12282022@1302-	12/24/22 10:30	
Blank	BKL0573-BLK1	eData_12282022@1302-	12/24/22 10:30	
LCS	BKL0573-BS1	eData_12282022@1302-	12/24/22 10:30	
LDW22-IT806C	BKL0573-DUP1	eData_12282022@1302-	12/24/22 10:30	
MRL Check	BKL0573-MRL1	eData_12282022@1302-	12/24/22 10:30	
LDW22-IT806C	BKL0573-MS1	eData_12282022@1302-	12/24/22 10:30	
Reference	BKL0573-SRM1	eData_12282022@1302-	12/24/22 10:30	

PREPARATION BATCH SUMMARY

EPA 9060A m

Laboratory:	Analytical Resources, LLC			SDG:	22L0307
Client:	Anchor QEA, LLC			Project:	AOC4 UR Phase 3
Batch:	BKL0574	Batch Matrix:	Solid	Preparation:	Plumb 1981

SAMPLE NAME	LAB SAMPLE ID	LAB FILE ID	DATE PREPARED	OBSERVATIONS
LDW22-SC750B	22L0307-22	eData_12282022@1302-	12/24/22 11:30	
LDW22-SC750C	22L0307-23	eData_12282022@1302-	12/24/22 11:30	
LDW22-SC750D	22L0307-24	eData_12282022@1302-	12/24/22 11:30	
LDW22-SC750E	22L0307-25	eData_12282022@1302-	12/24/22 11:30	
LDW22-SC750F	22L0307-26	eData_12282022@1302-	12/24/22 11:30	
LDW22-SC750G	22L0307-27	eData_12282022@1302-	12/24/22 11:30	
LDW22-SC750H	22L0307-28	eData_12282022@1302-	12/24/22 11:30	
LDW22-IT808A	22L0307-29	eData_12282022@1302-	12/24/22 11:30	
LDW22-IT808B	22L0307-30	eData_12282022@1302-	12/24/22 11:30	
LDW22-IT808C	22L0307-31	eData_12282022@1302-	12/24/22 11:30	
LDW22-IT808D	22L0307-32	eData_12282022@1302-	12/24/22 11:30	
LDW22-IT808E	22L0307-33	eData_12282022@1302-	12/24/22 11:30	
LDW22-IT808F	22L0307-34	eData_12282022@1302-	12/24/22 11:30	
LDW22-SC804B	22L0307-35	eData_12282022@1302-	12/24/22 11:30	
LDW22-SC804C	22L0307-36	eData_12282022@1302-	12/24/22 11:30	
LDW22-SC804D	22L0307-37	eData_12282022@1302-	12/24/22 11:30	
LDW22-SC804E	22L0307-38	eData_12282022@1302-	12/24/22 11:30	
LDW22-SC804F	22L0307-39	eData_12282022@1302-	12/24/22 11:30	
LDW22-SC804F-FD	22L0307-40	eData_12282022@1302-	12/24/22 11:30	
LDW22-SC804G	22L0307-41	eData_12282022@1302-	12/24/22 11:30	
Blank	BKL0574-BLK1	eData_12282022@1302-	12/24/22 11:30	
LCS	BKL0574-BS1	eData_12282022@1302-	12/24/22 11:30	
LDW22-SC750B	BKL0574-DUP1	eData_12282022@1302-	12/24/22 11:30	
MRL Check	BKL0574-MRL1	eData_12282022@1302-	12/24/22 11:30	
LDW22-SC750B	BKL0574-MS1	eData_12282022@1302-	12/24/22 11:30	
Reference	BKL0574-SRM1	eData_12282022@1302-	12/24/22 11:30	

PREPARATION BATCH SUMMARY

EPA 9060A m

Laboratory:	Analytical Resources, LLC			SDG:	22L0307
Client:	Anchor QEA, LLC			Project:	AOC4 UR Phase 3
Batch:	BKL0586	Batch Matrix:	Solid	Preparation:	Plumb 1981

SAMPLE NAME	LAB SAMPLE ID	LAB FILE ID	DATE PREPARED	OBSERVATIONS
LDW22-SC804H	22L0307-42	eData_12282022@1302-	12/24/22 12:40	
LDW22-SC752A	22L0307-43	eData_12282022@1302-	12/24/22 12:40	
LDW22-SC752B	22L0307-44	eData_12282022@1302-	12/24/22 12:40	
LDW22-SC752C	22L0307-45	eData_12282022@1302-	12/24/22 12:40	
LDW22-SC752D	22L0307-46	eData_12282022@1302-	12/24/22 12:40	
LDW22-SC752E	22L0307-47	eData_12282022@1302-	12/24/22 12:40	
LDW22-SC752F	22L0307-48	eData_12282022@1302-	12/24/22 12:40	
LDW22-SC752G	22L0307-49	eData_12282022@1302-	12/24/22 12:40	
LDW22-SC752H	22L0307-50	eData_12282022@1302-	12/24/22 12:40	
LDW22-SC752B-FD	22L0307-51	eData_01032023@1005-	12/24/22 12:40	
LDW22-SC800A	22L0307-52	eData_01032023@1005-	12/24/22 12:40	
LDW22-SC800B	22L0307-53	eData_01032023@1005-	12/24/22 12:40	
LDW22-SC800C	22L0307-54	eData_01032023@1005-	12/24/22 12:40	
LDW22-SC800D	22L0307-55	eData_01032023@1005-	12/24/22 12:40	
LDW22-SC800E	22L0307-56	eData_01032023@1005-	12/24/22 12:40	
LDW22-SC800F	22L0307-57	eData_01032023@1005-	12/24/22 12:40	
LDW22-SC800G	22L0307-58	eData_01032023@1005-	12/24/22 12:40	
LDW22-SC800H	22L0307-59	eData_01032023@1005-	12/24/22 12:40	
LDW22-SC783B	22L0307-60	eData_01032023@1005-	12/24/22 12:40	
LDW22-SC783C	22L0307-61	eData_01032023@1005-	12/24/22 12:40	
Blank	BKL0586-BLK1	eData_12282022@1302-	12/24/22 12:40	
LCS	BKL0586-BS1	eData_12282022@1302-	12/24/22 12:40	
LDW22-SC804H	BKL0586-DUP1	eData_12282022@1302-	12/24/22 12:40	
MRL Check	BKL0586-MRL1	eData_12282022@1302-	12/24/22 12:40	
LDW22-SC804H	BKL0586-MS1	eData_12282022@1302-	12/24/22 12:40	
Reference	BKL0586-SRM1	eData_12282022@1302-	12/24/22 12:40	

PREPARATION BATCH SUMMARY

EPA 9060A m

Laboratory:	Analytical Resources, LLC			SDG:	22L0307
Client:	Anchor QEA, LLC			Project:	AOC4 UR Phase 3
Batch:	BKL0587	Batch Matrix:	Solid	Preparation:	Plumb 1981

SAMPLE NAME	LAB SAMPLE ID	LAB FILE ID	DATE PREPARED	OBSERVATIONS
LDW22-SC783D	22L0307-62	eData_01032023@1005-	12/26/22 14:10	
LDW22-SC783E	22L0307-63	eData_01032023@1005-	12/26/22 14:10	
LDW22-SC783F	22L0307-64	eData_01032023@1005-	12/26/22 14:10	
LDW22-SC783G	22L0307-65	eData_01032023@1005-	12/26/22 14:10	
LDW22-SC783H	22L0307-66	eData_01032023@1005-	12/26/22 14:10	
Blank	BKL0587-BLK1	eData_01032023@1005-	12/26/22 14:10	
LCS	BKL0587-BS1	eData_01032023@1005-	12/26/22 14:10	
LDW22-SC783D	BKL0587-DUP1	eData_01032023@1005-	12/26/22 14:10	
MRL Check	BKL0587-MRL1	eData_01032023@1005-	12/26/22 14:10	
LDW22-SC783D	BKL0587-MS1	eData_01032023@1005-	12/26/22 14:10	
Reference	BKL0587-SRM1	eData_01032023@1005-	12/26/22 14:10	

Form I

METHOD BLANK DATA SHEET

EPA 9060A m

TotalAnalytes

Blank

Laboratory: Analytical Resources, LLC

SDG: 22L0307

Client: Anchor QEA, LLC

Project: AOC4 UR Phase 3

Batch: BKL0504

Laboratory ID: BKL0504-BLK1

Prepared: 12/22/22 10:30

Matrix: Solid

Preparation: Plumb 1981

Analyzed: 12/25/22 16:45

Sequence: SKL0311

Calibration: FD00070

Instrument: TOC Cube

CAS NO.	Analyte	Concentration (% wet)	Dilution Factor	MDL	MRL	Q
	Total Organic Carbon	ND	1	0.02	0.02	U

Form I

METHOD BLANK DATA SHEET

EPA 9060A m

TotalAnalytes

Blank

Laboratory: Analytical Resources, LLC
SDG: 22L0307
Client: Anchor QEA, LLC
Project: AOC4 UR Phase 3
Batch: BKL0573
Laboratory ID: BKL0573-BLK1
Prepared: 12/24/22 10:30
Matrix: Solid
Preparation: Plumb 1981
Analyzed: 12/26/22 18:35
Sequence: SKL0300
Calibration: FD00070
Instrument: TOC Cube

CAS NO.	Analyte	Concentration (% wet)	Dilution Factor	MDL	MRL	Q
	Total Organic Carbon	ND	1	0.02	0.02	U

Blank

Form I

METHOD BLANK DATA SHEET

EPA 9060A m

TotalAnalytes

Laboratory: Analytical Resources, LLC

SDG: 22L0307

Client: Anchor QEA, LLC

Project: AOC4 UR Phase 3

Batch: BKL0574

Laboratory ID: BKL0574-BLK1

Prepared: 12/24/22 11:30

Matrix: Solid

Preparation: Plumb 1981

Analyzed: 12/27/22 09:54

Sequence: SKL0300

Calibration: FD00070

Instrument: TOC Cube

CAS NO.	Analyte	Concentration (% wet)	Dilution Factor	MDL	MRL	Q
	Total Organic Carbon	ND	1	0.02	0.02	U

Form I

METHOD BLANK DATA SHEET

EPA 9060A m

TotalAnalytes

Blank

Laboratory:	Analytical Resources, LLC			SDG:	22L0307
Client:	Anchor QEA, LLC			Project:	AOC4 UR Phase 3
Batch:	BKL0586	Laboratory ID:	BKL0586-BLK1	Prepared:	12/24/22 12:40
Matrix:	Solid	Preparation:	Plumb 1981	Analyzed:	12/28/22 03:44
Sequence:	SKL0300	Calibration:	FD00070	Instrument:	TOC Cube

CAS NO.	Analyte	Concentration (% wet)	Dilution Factor	MDL	MRL	Q
	Total Organic Carbon	ND	1	0.02	0.02	U

Form I

METHOD BLANK DATA SHEET

EPA 9060A m

TotalAnalytes

Blank

Laboratory: Analytical Resources, LLC
SDG: 22L0307
Client: Anchor QEA, LLC
Project: AOC4 UR Phase 3
Batch: BKL0587
Laboratory ID: BKL0587-BLK1
Prepared: 12/26/22 14:10
Matrix: Solid
Preparation: Plumb 1981
Analyzed: 12/29/22 00:04
Sequence: SKL0336
Calibration: FD00070
Instrument: TOC Cube

CAS NO.	Analyte	Concentration (% wet)	Dilution Factor	MDL	MRL	Q
	Total Organic Carbon	ND	1	0.02	0.02	U

LCS / LCS DUPLICATE RECOVERY
EPA 9060A m

Laboratory: Analytical Resources, LLC

Client: Anchor QEA, LLC

Matrix: Solid

Batch: BKL0504

Preparation: Plumb 1981

Initial/Final: 0.0213 g / 0.0213 g

SDG: 22L0307

Project: AOC4 UR Phase 3

Analyzed: 12/25/22 17:15

Laboratory ID: BKL0504-BS1

Sequence Name: LCS

COMPOUND	SPIKE ADDED (% wet)	LCS CONCENTRATION (% wet)	Q	LCS % REC. #	QC LIMITS REC.
Total Organic Carbon	44.4	44.8		101	80 - 120

* Indicates values outside of QC limits

LCS / LCS DUPLICATE RECOVERY

EPA 9060A m

Laboratory:	Analytical Resources, LLC	SDG:	22L0307
Client:	Anchor QEA, LLC	Project:	AOC4 UR Phase 3
Matrix:	Solid	Analyzed:	12/26/22 19:06
Batch:	BKL0573	Laboratory ID:	BKL0573-BS1
Preparation:	Plumb 1981	Sequence Name:	LCS
Initial/Final:	0.0202 g / 0.0202 g		

COMPOUND	SPIKE ADDED (% wet)	LCS CONCENTRATION (% wet)	Q	LCS % REC. #	QC LIMITS REC.
Total Organic Carbon	44.4	45.5		102	80 - 120

* Indicates values outside of QC limits

LCS / LCS DUPLICATE RECOVERY

EPA 9060A m

Laboratory:	Analytical Resources, LLC	SDG:	22L0307
Client:	Anchor QEA, LLC	Project:	AOC4 UR Phase 3
Matrix:	Solid	Analyzed:	12/27/22 10:25
Batch:	BKL0574	Laboratory ID:	BKL0574-BS1
Preparation:	Plumb 1981	Sequence Name:	LCS
Initial/Final:	0.02 g / 0.02 g		

COMPOUND	SPIKE ADDED (% wet)	LCS CONCENTRATION (% wet)	Q	LCS % REC. #	QC LIMITS REC.
Total Organic Carbon	44.4	44.7		100	80 - 120

* Indicates values outside of QC limits

LCS / LCS DUPLICATE RECOVERY

EPA 9060A m

Laboratory:	Analytical Resources, LLC	SDG:	22L0307
Client:	Anchor QEA, LLC	Project:	AOC4 UR Phase 3
Matrix:	Solid	Analyzed:	12/28/22 04:14
Batch:	BKL0586	Laboratory ID:	BKL0586-BS1
Preparation:	Plumb 1981	Sequence Name:	LCS
Initial/Final:	0.019 g / 0.019 g		

COMPOUND	SPIKE ADDED (% wet)	LCS CONCENTRATION (% wet)	Q	LCS % REC. #	QC LIMITS REC.
Total Organic Carbon	44.4	43.6		98.1	80 - 120

* Indicates values outside of QC limits

LCS / LCS DUPLICATE RECOVERY

EPA 9060A m

Laboratory:	Analytical Resources, LLC	SDG:	22L0307
Client:	Anchor QEA, LLC	Project:	AOC4 UR Phase 3
Matrix:	Solid	Analyzed:	12/29/22 00:35
Batch:	BKL0587	Laboratory ID:	BKL0587-BS1
Preparation:	Plumb 1981	Sequence Name:	LCS
Initial/Final:	0.0199 g / 0.0199 g		

COMPOUND	SPIKE ADDED (% wet)	LCS CONCENTRATION (% wet)	Q	LCS % REC. #	QC LIMITS REC.
Total Organic Carbon	44.4	44.7		100	80 - 120

* Indicates values outside of QC limits

LDW22-IT806C

DUPLICATES

EPA 9060A m

Laboratory: Analytical Resources, LLC

Client: Anchor QEA, LLC

Matrix: Solid

Batch: BKL0573

Preparation: Plumb 1981

Source Sample Name: LDW22-IT806C

SDG: 22L0307

Project: AOC4 UR Phase 3

Laboratory ID: BKL0573-DUP1

Lab Source ID: 22L0307-17

Initial/Final: 0.512 g / 0.512 g

% Solids: 61.85

ANALYTE	CONTROL LIMIT	SAMPLE CONCENTRATION	DUPLICATE CONCENTRATION	RPD %	Q
Total Organic Carbon	20	1.18	1.15	2.23	

*: Values outside of QC limits
L: Analyte concentration is <=5 times the reporting limit and the replicate control limit defaults to Dup = +/- RL instead of 20% RPD

LDW22-SC750B

DUPLICATES

EPA 9060A m

Laboratory: Analytical Resources, LLC
SDG: 22L0307
Client: Anchor QEA, LLC
Project: AOC4 UR Phase 3
Matrix: Solid
Laboratory ID: BKL0574-DUP1
Batch: BKL0574
Lab Source ID: 22L0307-22
Preparation: Plumb 1981
Initial/Final: 0.5078 g / 0.5078 g
Source Sample Name: LDW22-SC750B
% Solids: 64.89

ANALYTE	CONTROL LIMIT	SAMPLE CONCENTRATION	DUPLICATE CONCENTRATION	RPD %	Q
Total Organic Carbon	20	1.14	1.13	1.09	

*: Values outside of QC limits
L: Analyte concentration is <=5 times the reporting limit and the replicate control limit defaults to Dup = +/- RL instead of 20% RPD

DUPLICATES

EPA 9060A m

Laboratory: Analytical Resources, LLC

Client: Anchor QEA, LLC

Matrix: Solid

Batch: BKL0586

Preparation: Plumb 1981

Source Sample Name: LDW22-SC804H

SDG: 22L0307

Project: AOC4 UR Phase 3

Laboratory ID: BKL0586-DUP1

Lab Source ID: 22L0307-42

Initial/Final: 0.5302 g / 0.5302 g

% Solids: 74.12

ANALYTE	CONTROL LIMIT	SAMPLE CONCENTRATION	DUPLICATE CONCENTRATION	RPD %	Q
Total Organic Carbon	20	0.49	0.40	21.2	*

*: Values outside of QC limits
L: Analyte concentration is <=5 times the reporting limit and the replicate control limit defaults to Dup = +/- RL instead of 20% RPD

LDW22-SC783D

DUPLICATES

EPA 9060A m

Laboratory: Analytical Resources, LLC

Client: Anchor QEA, LLC

Matrix: Solid

Batch: BKL0587

Preparation: Plumb 1981

Source Sample Name: LDW22-SC783D

SDG: 22L0307

Project: AOC4 UR Phase 3

Laboratory ID: BKL0587-DUP1

Lab Source ID: 22L0307-62

Initial/Final: 0.5041 g / 0.5041 g

% Solids: 58.88

ANALYTE	CONTROL LIMIT	SAMPLE CONCENTRATION	DUPLICATE CONCENTRATION	RPD %	Q
Total Organic Carbon	20	1.60	1.62	1.05	

*: Values outside of QC limits
L: Analyte concentration is <=5 times the reporting limit and the replicate control limit defaults to Dup = +/- RL instead of 20% RPD

LDW22-IT806C

MS / MS DUPLICATE RECOVERY
EPA 9060A m

Laboratory:	Analytical Resources, LLC	SDG:	22L0307
Client:	Anchor QEA, LLC	Project:	AOC4 UR Phase 3
Matrix:	Solid	Analyzed:	12/27/22 06:50
Batch:	BKL0573	Laboratory ID:	BKL0573-MS1
Preparation:	Plumb 1981	Sequence Name:	Matrix Spike
Initial/Final:	0.5079 g / 0.5079 g	Source Sample:	LDW22-IT806C

COMPOUND	SPIKE ADDED (% dry)	SAMPLE CONCENTRATION (% dry)	Q	MS CONCENTRATION (% dry)	Q	MS % REC. #	QC LIMITS REC.
Total Organic Carbon	1.12	1.18		2.33		103	75 - 125

* Values outside of QC limits

LDW22-SC750B

MS / MS DUPLICATE RECOVERY
EPA 9060A m

Laboratory:	Analytical Resources, LLC	SDG:	22L0307
Client:	Anchor QEA, LLC	Project:	AOC4 UR Phase 3
Matrix:	Solid	Analyzed:	12/27/22 13:29
Batch:	BKL0574	Laboratory ID:	BKL0574-MS1
Preparation:	Plumb 1981	Sequence Name:	Matrix Spike
Initial/Final:	0.5596 g / 0.5596 g	Source Sample:	LDW22-SC750B

COMPOUND	SPIKE ADDED (% dry)	SAMPLE CONCENTRATION (% dry)	Q	MS CONCENTRATION (% dry)	Q	MS % REC. #	QC LIMITS REC.
Total Organic Carbon	1.05	1.14		2.27		107	75 - 125

* Values outside of QC limits

LDW22-SC804H

MS / MS DUPLICATE RECOVERY

EPA 9060A m

Laboratory:	Analytical Resources, LLC	SDG:	22L0307
Client:	Anchor QEA, LLC	Project:	AOC4 UR Phase 3
Matrix:	Solid	Analyzed:	12/28/22 07:18
Batch:	BKL0586	Laboratory ID:	BKL0586-MS1
Preparation:	Plumb 1981	Sequence Name:	Matrix Spike
Initial/Final:	0.5655 g / 0.5655 g	Source Sample:	LDW22-SC804H

COMPOUND	SPIKE ADDED (% dry)	SAMPLE CONCENTRATION (% dry)	Q	MS CONCENTRATION (% dry)	Q	MS % REC. #	QC LIMITS REC.
Total Organic Carbon	0.997	0.49		1.47		97.6	75 - 125

* Values outside of QC limits

LDW22-SC783D

MS / MS DUPLICATE RECOVERY
EPA 9060A m

Laboratory:	Analytical Resources, LLC	SDG:	22L0307
Client:	Anchor QEA, LLC	Project:	AOC4 UR Phase 3
Matrix:	Solid	Analyzed:	12/29/22 02:37
Batch:	BKL0587	Laboratory ID:	BKL0587-MS1
Preparation:	Plumb 1981	Sequence Name:	Matrix Spike
Initial/Final:	0.5236 g / 0.5236 g	Source Sample:	LDW22-SC783D

COMPOUND	SPIKE ADDED (% dry)	SAMPLE CONCENTRATION (% dry)	Q	MS CONCENTRATION (% dry)	Q	MS % REC. #	QC LIMITS REC.
Total Organic Carbon	1.20	1.60		2.85		104	75 - 125

* Values outside of QC limits

ANALYSIS BATCH (SEQUENCE) SUMMARY

EPA 9060A m

Laboratory: Analytical Resources, LLC

Client: Anchor QEA, LLC

Sequence: SKD0371

SDG: 22L0307

Project: AOC4 UR Phase 3

Instrument: TOC Cube

Calibration: FD00070

Sample Name	Lab Sample ID	Lab File ID	Matrix	Analysis Date/Time
Cal Standard	SKD0371-CAL1	CubeData_04272022@1136-001	NA	04/26/22 12:30
Cal Standard	SKD0371-CAL2	CubeData_04272022@1136-002	NA	04/26/22 13:00
Cal Standard	SKD0371-CAL3	CubeData_04272022@1136-003	NA	04/26/22 13:30
Cal Standard	SKD0371-CAL4	CubeData_04272022@1136-004	NA	04/26/22 14:00
Cal Standard	SKD0371-CAL5	CubeData_04272022@1136-005	NA	04/26/22 14:30
Cal Standard	SKD0371-CAL6	CubeData_04272022@1136-006	NA	04/26/22 15:00
Cal Standard	SKD0371-CAL7	CubeData_04272022@1136-007	NA	04/26/22 15:30
Cal Standard	SKD0371-CAL8	CubeData_04272022@1136-008	NA	04/26/22 16:00
Cal Standard	SKD0371-CAL9	CubeData_04272022@1136-009	NA	04/26/22 16:30
Cal Standard	SKD0371-CALA	CubeData_04272022@1136-010	NA	04/26/22 17:00
Cal Standard	SKD0371-CALB	CubeData_04272022@1136-011	NA	04/26/22 17:30
Cal Standard	SKD0371-CALC	CubeData_04272022@1136-012	NA	04/26/22 18:00
Cal Standard	SKD0371-CALD	CubeData_04272022@1136-013	NA	04/26/22 18:30
Cal Standard	SKD0371-CALE	CubeData_04272022@1136-014	NA	04/26/22 19:00
Cal Standard	SKD0371-CALF	CubeData_04272022@1136-015	NA	04/26/22 19:31
Cal Standard	SKD0371-CALG	CubeData_04272022@1136-016	NA	04/26/22 20:01
Cal Standard	SKD0371-CALH	CubeData_04272022@1136-017	NA	04/26/22 20:31
Cal Standard	SKD0371-CALI	CubeData_04272022@1136-018	NA	04/26/22 21:01
Cal Standard	SKD0371-CALJ	CubeData_04272022@1136-019	NA	04/26/22 21:31
Cal Standard	SKD0371-CALK	CubeData_04272022@1136-020	NA	04/26/22 22:01
Initial Cal Check	SKD0371-ICV1	CubeData_04272022@1136-027	NA	04/27/22 02:03
Initial Cal Blank	SKD0371-ICB1	CubeData_04272022@1136-028	NA	04/27/22 02:33
Cal Standard	SKD0371-CALL	CubeData_04272022@1136-021	NA	04/27/22 11:08
Cal Standard	SKD0371-CALM	CubeData_04272022@1136-022	NA	04/27/22 11:08
Cal Standard	SKD0371-CALN	CubeData_04272022@1136-023	NA	04/27/22 11:09
Cal Standard	SKD0371-CALO	CubeData_04272022@1136-024	NA	04/27/22 11:09

ANALYSIS BATCH (SEQUENCE) SUMMARY

EPA 9060A m

Laboratory:	Analytical Resources, LLC	SDG:	22L0307
Client:	Anchor QEA, LLC	Project:	AOC4 UR Phase 3
Sequence:	SKL0300	Instrument:	TOC Cube
		Calibration:	FD00070

Sample Name	Lab Sample ID	Lab File ID	Matrix	Analysis Date/Time
Initial Cal Check	SKL0300-ICV1	CubeData_12282022@1302-003	NA	12/26/22 17:04
Initial Cal Blank	SKL0300-ICB1	CubeData_12282022@1302-004	NA	12/26/22 17:34
MRL Check	BKL0573-MRL1	CubeData_12282022@1302-005	Solid	12/26/22 18:05
Blank	BKL0573-BLK1	CubeData_12282022@1302-006	Solid	12/26/22 18:35
LCS	BKL0573-BS1	CubeData_12282022@1302-007	Solid	12/26/22 19:06
Reference	BKL0573-SRM1	CubeData_12282022@1302-008	Solid	12/26/22 19:36
Calibration Check	SKL0300-CCV1	CubeData_12282022@1302-015	NA	12/26/22 23:10
Calibration Blank	SKL0300-CCB1	CubeData_12282022@1302-016	NA	12/26/22 23:41
LDW22-IT806C	22L0307-17	CubeData_12282022@1302-026	Solid	12/27/22 04:47
Calibration Check	SKL0300-CCV2	CubeData_12282022@1302-027	NA	12/27/22 05:18
Calibration Blank	SKL0300-CCB2	CubeData_12282022@1302-028	NA	12/27/22 05:48
LDW22-IT806C	BKL0573-DUP1	CubeData_12282022@1302-029	Solid	12/27/22 06:19
LDW22-IT806C	BKL0573-MS1	CubeData_12282022@1302-030	Solid	12/27/22 06:50
LDW22-IT806D	22L0307-18	CubeData_12282022@1302-031	Solid	12/27/22 07:20
LDW22-IT806E	22L0307-19	CubeData_12282022@1302-032	Solid	12/27/22 07:51
LDW22-IT806F	22L0307-20	CubeData_12282022@1302-033	Solid	12/27/22 08:22
LDW22-SC750A	22L0307-21	CubeData_12282022@1302-034	Solid	12/27/22 08:53
MRL Check	BKL0574-MRL1	CubeData_12282022@1302-035	Solid	12/27/22 09:23
Blank	BKL0574-BLK1	CubeData_12282022@1302-036	Solid	12/27/22 09:54
LCS	BKL0574-BS1	CubeData_12282022@1302-037	Solid	12/27/22 10:25
Reference	BKL0574-SRM1	CubeData_12282022@1302-038	Solid	12/27/22 10:55
Calibration Check	SKL0300-CCV3	CubeData_12282022@1302-039	NA	12/27/22 11:26
Calibration Blank	SKL0300-CCB3	CubeData_12282022@1302-040	NA	12/27/22 11:57
LDW22-SC750B	22L0307-22	CubeData_12282022@1302-041	Solid	12/27/22 12:28
LDW22-SC750B	BKL0574-DUP1	CubeData_12282022@1302-042	Solid	12/27/22 12:58
LDW22-SC750B	BKL0574-MS1	CubeData_12282022@1302-043	Solid	12/27/22 13:29
LDW22-SC750C	22L0307-23	CubeData_12282022@1302-044	Solid	12/27/22 14:00
LDW22-SC750D	22L0307-24	CubeData_12282022@1302-045	Solid	12/27/22 14:30
LDW22-SC750E	22L0307-25	CubeData_12282022@1302-046	Solid	12/27/22 15:01

ANALYSIS BATCH (SEQUENCE) SUMMARY

EPA 9060A m

Laboratory:	Analytical Resources, LLC	SDG:	22L0307
Client:	Anchor QEA, LLC	Project:	AOC4 UR Phase 3
Sequence:	SKL0300	Instrument:	TOC Cube
		Calibration:	FD00070

Sample Name	Lab Sample ID	Lab File ID	Matrix	Analysis Date/Time
LDW22-SC750F	22L0307-26	CubeData_12282022@1302-047	Solid	12/27/22 15:32
Calibration Check	SKL0300-CCV4	CubeData_12282022@1302-050	NA	12/27/22 17:34
Calibration Blank	SKL0300-CCB4	CubeData_12282022@1302-051	NA	12/27/22 18:05
LDW22-SC750G	22L0307-27	CubeData_12282022@1302-052	Solid	12/27/22 18:36
LDW22-SC750H	22L0307-28	CubeData_12282022@1302-053	Solid	12/27/22 19:06
LDW22-IT808A	22L0307-29	CubeData_12282022@1302-054	Solid	12/27/22 19:37
LDW22-IT808B	22L0307-30	CubeData_12282022@1302-055	Solid	12/27/22 20:07
LDW22-IT808C	22L0307-31	CubeData_12282022@1302-056	Solid	12/27/22 20:38
LDW22-IT808D	22L0307-32	CubeData_12282022@1302-057	Solid	12/27/22 21:08
LDW22-IT808E	22L0307-33	CubeData_12282022@1302-058	Solid	12/27/22 21:39
LDW22-IT808F	22L0307-34	CubeData_12282022@1302-059	Solid	12/27/22 22:09
LDW22-SC804B	22L0307-35	CubeData_12282022@1302-060	Solid	12/27/22 22:39
LDW22-SC804C	22L0307-36	CubeData_12282022@1302-061	Solid	12/27/22 23:10
Calibration Check	SKL0300-CCV5	CubeData_12282022@1302-062	NA	12/27/22 23:40
Calibration Blank	SKL0300-CCB5	CubeData_12282022@1302-063	NA	12/28/22 00:10
LDW22-SC804D	22L0307-37	CubeData_12282022@1302-064	Solid	12/28/22 00:41
LDW22-SC804E	22L0307-38	CubeData_12282022@1302-065	Solid	12/28/22 01:11
LDW22-SC804F	22L0307-39	CubeData_12282022@1302-066	Solid	12/28/22 01:42
LDW22-SC804F-FD	22L0307-40	CubeData_12282022@1302-067	Solid	12/28/22 02:12
LDW22-SC804G	22L0307-41	CubeData_12282022@1302-068	Solid	12/28/22 02:43
MRL Check	BKL0586-MRL1	CubeData_12282022@1302-069	Solid	12/28/22 03:13
Blank	BKL0586-BLK1	CubeData_12282022@1302-070	Solid	12/28/22 03:44
LCS	BKL0586-BS1	CubeData_12282022@1302-071	Solid	12/28/22 04:14
Reference	BKL0586-SRM1	CubeData_12282022@1302-072	Solid	12/28/22 04:45
LDW22-SC804H	22L0307-42	CubeData_12282022@1302-073	Solid	12/28/22 05:16
Calibration Check	SKL0300-CCV6	CubeData_12282022@1302-074	NA	12/28/22 05:46
Calibration Blank	SKL0300-CCB6	CubeData_12282022@1302-075	NA	12/28/22 06:17
LDW22-SC804H	BKL0586-DUP1	CubeData_12282022@1302-076	Solid	12/28/22 06:47
LDW22-SC804H	BKL0586-MS1	CubeData_12282022@1302-077	Solid	12/28/22 07:18

ANALYSIS BATCH (SEQUENCE) SUMMARY

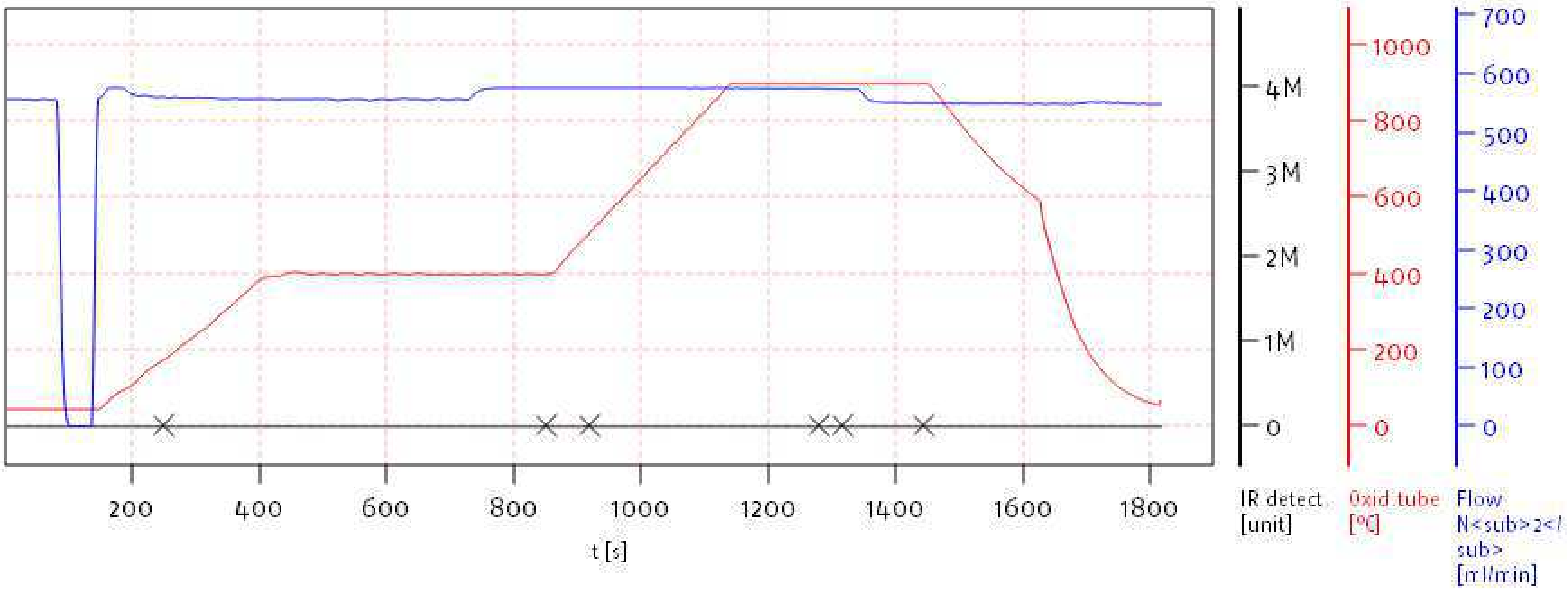
EPA 9060A m

Laboratory:	Analytical Resources, LLC	SDG:	22L0307
Client:	Anchor QEA, LLC	Project:	AOC4 UR Phase 3
Sequence:	SKL0300	Instrument:	TOC Cube
		Calibration:	FD00070

Sample Name	Lab Sample ID	Lab File ID	Matrix	Analysis Date/Time
LDW22-SC752A	22L0307-43	CubeData_12282022@1302-078	Solid	12/28/22 07:48
LDW22-SC752B	22L0307-44	CubeData_12282022@1302-079	Solid	12/28/22 08:19
LDW22-SC752C	22L0307-45	CubeData_12282022@1302-080	Solid	12/28/22 08:49
LDW22-SC752D	22L0307-46	CubeData_12282022@1302-081	Solid	12/28/22 09:20
LDW22-SC752E	22L0307-47	CubeData_12282022@1302-082	Solid	12/28/22 09:51
LDW22-SC752F	22L0307-48	CubeData_12282022@1302-083	Solid	12/28/22 10:22
LDW22-SC752G	22L0307-49	CubeData_12282022@1302-084	Solid	12/28/22 10:52
LDW22-SC752H	22L0307-50	CubeData_12282022@1302-085	Solid	12/28/22 11:23
Calibration Check	SKL0300-CCV7	CubeData_12282022@1302-086	NA	12/28/22 11:53
Calibration Blank	SKL0300-CCB7	CubeData_12282022@1302-087	NA	12/28/22 12:24

Soli TOC Cube, Carbon
Balance: BAL3
Analyst: DOE

	Pos.	Name	Weight [mg]	Memo	Method	Date Time	Info	TOC [%]	TOC400 Area	TC [%]	ROC [%]	ROC Area	TIC900 Area	TOC400 [%]	TIC900 [%]	TOC400 Factor	TIC900 Factor
1	1	BLANK	1.00		CARBON	12/26/2022 3:33 PM	bl	0.000	6 530	0.000	0.000	1 229	2 324	0.000	0.000	1.0000	1.0000



Name:

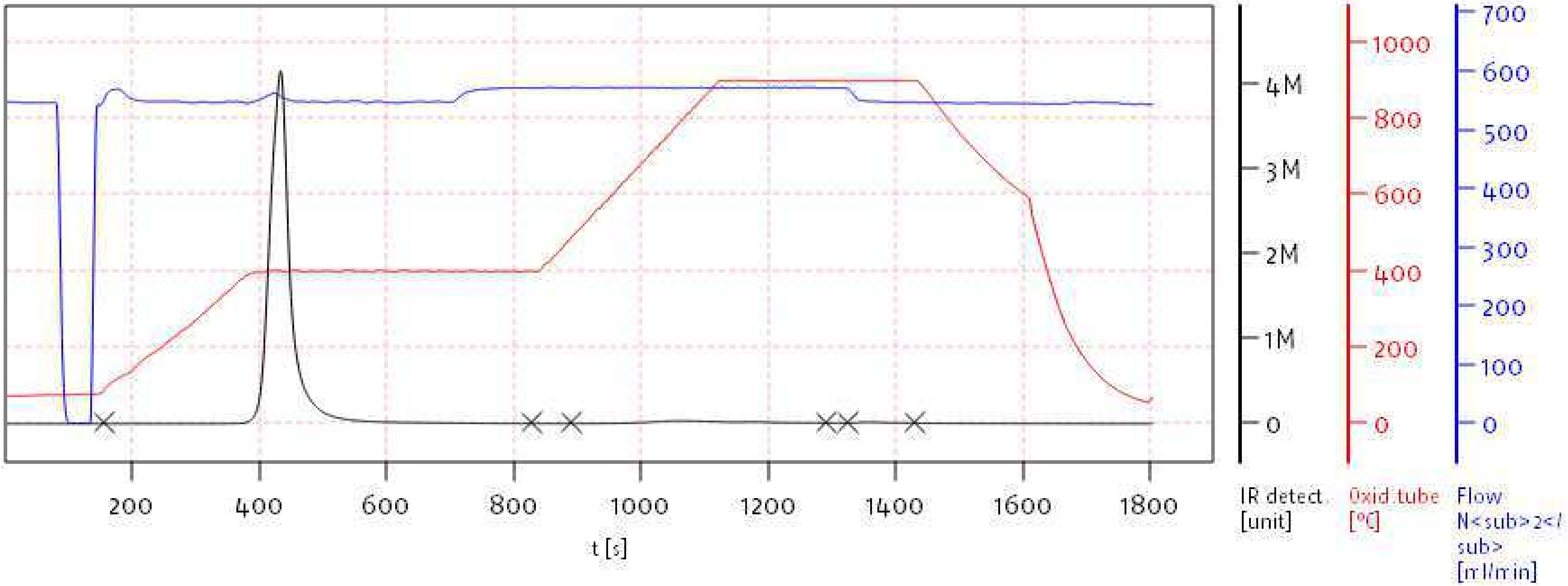
Access: soliTOC superuser

Date: Wed Dec 28 12:26:29 2022

soliTOC V2.0.2 (31015f9) 2018-11-19
Serial No: 0300.181017
Mode CCC

Soli TOC Cube, Carbon
Balance: BAL3
Analyst: DOE

	Pos.	Name	Weight [mg]	Memo	Method	Date Time	Info	TOC [%]	TOC400 Area	TC [%]	ROC [%]	ROC Area	TIC900 Area	TOC400 [%]	TIC900 [%]	TOC400 Factor	TIC900 Factor
2	2	Dfactor	20.20		CARBON	12/26/2022 4:03 PM	bl	44.608	5 924 659	46.260	0.162	47 676	242 147	44.446	1.652	0.9833	1.0000



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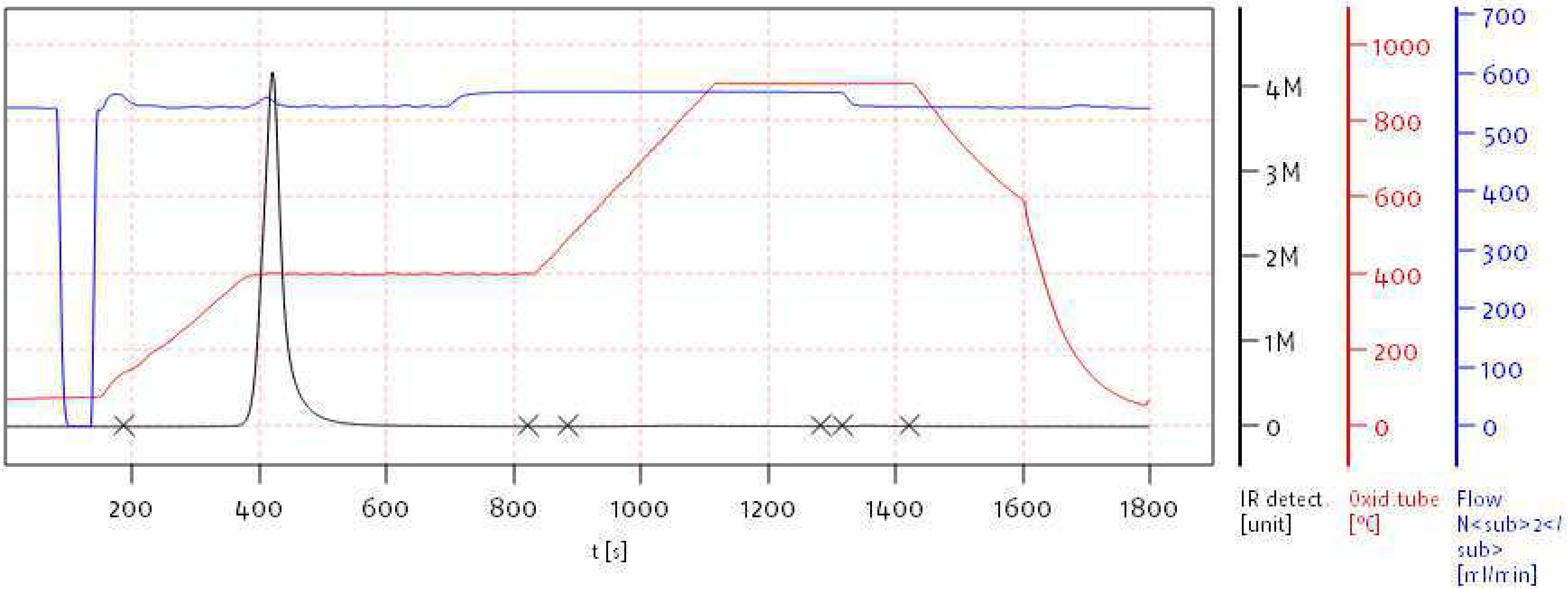
Serial No: 0300.181017
Mode CCC

Soli TOC Cube, Carbon
Balance: BAL3
Analyst: DOE

	Pos.	Name	Weight [mg]	Memo	Method	Date Time	Info	TOC [%]	TOC400 Area	TC [%]	ROC [%]	ROC Area	TIC900 Area	TOC400 [%]	TIC900 [%]	TOC400 Factor	TIC900 Factor
3	3	Dfactor	19.60		CARBON	12/26/2022 4:34 PM	bl	44.446	5 876 202	44.874	0.000	26 485	80 796	44.446	0.429	0.9620	1.0000



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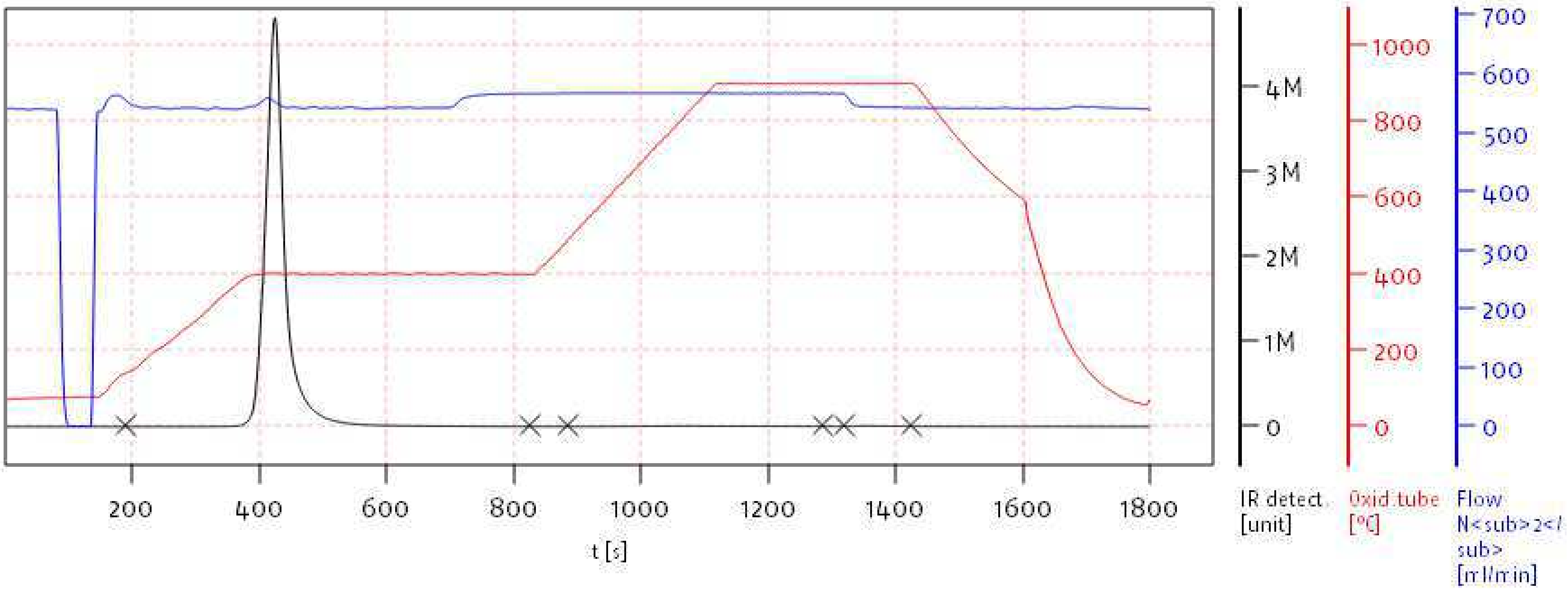
Date: Wed Dec 28 12:26:29 2022

soliTOC V2.0.2 (31015f9) 2018-11-19
Serial No: 0300.181017
Mode CCC

elementar
EXCELLENCE IN ELEMENTS

Soli TOC Cube, Carbon
Balance: BAL3
Analyst: DOE

	Pos.	Name	Weight [mg]	Memo	Method	Date Time	Info	TOC [%]	TOC400 Area	TC [%]	ROC [%]	ROC Area	TIC900 Area	TOC400 [%]	TIC900 [%]	TOC400 Factor	TIC900 Factor
4	4	SKL0300-ICV1	21.30		CARBON	12/26/2022 5:04 PM	bl	45.428	6 452 897	45.746	0.000	24 476	70 275	45.428	0.318	0.9726	1.0000



Name:

Access: soliTOC superuser

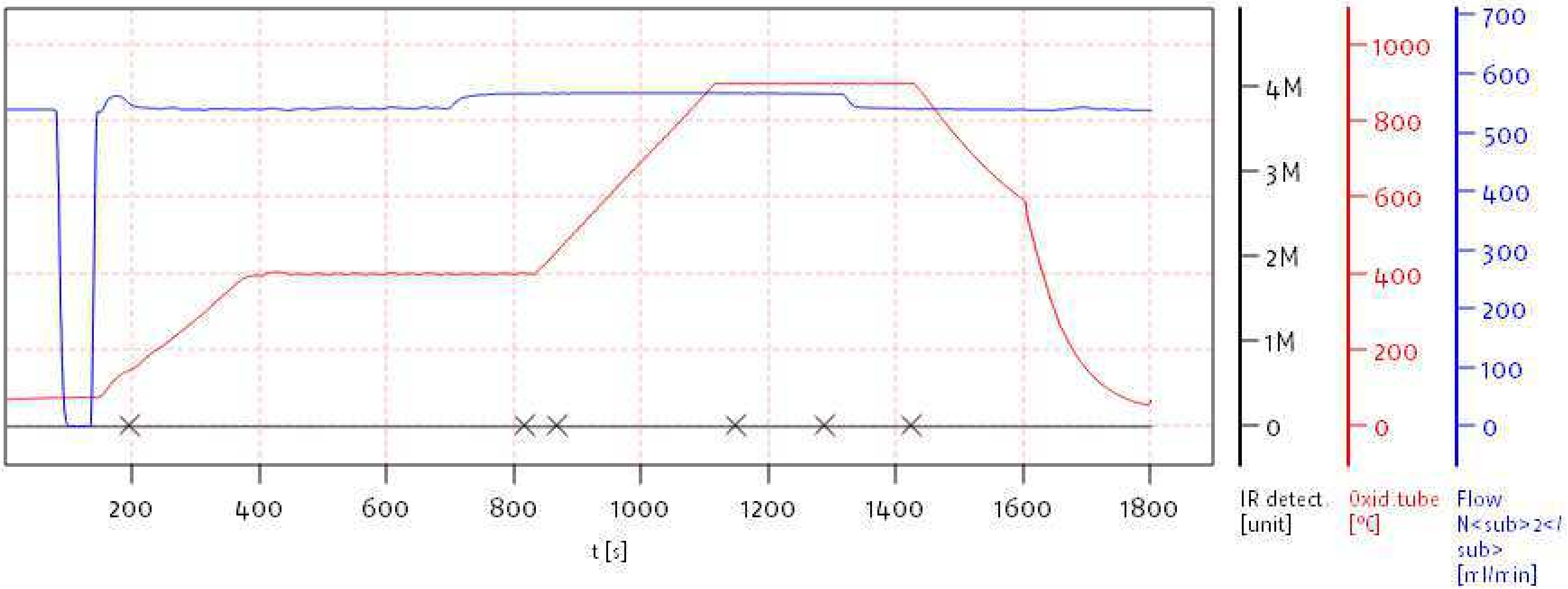
Date: Wed Dec 28 12:26:29 2022

soliTOC V2.0.2 (31015f9) 2018-11-19
Serial No: 0300.181017
Mode CCC

Document: 122622 DOE from: 12/28/2022 12:26 PM

Soli TOC Cube, Carbon
Balance: BAL3
Analyst: DOE

	Pos.	Name	Weight [mg]	Memo	Method	Date Time	Info	TOC [%]	TOC400 Area	TC [%]	ROC [%]	ROC Area	TIC900 Area	TOC400 [%]	TIC900 [%]	TOC400 Factor	TIC900 Factor
5	5	SKL0300-ICB1	533.90		CARBON	12/26/2022 5:34 PM	bl,C3u,C2u	0.000	4 095	0.000	0.000	880	485	0.000	0.000	0.9726	1.0000



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Serial No: 0300.181017
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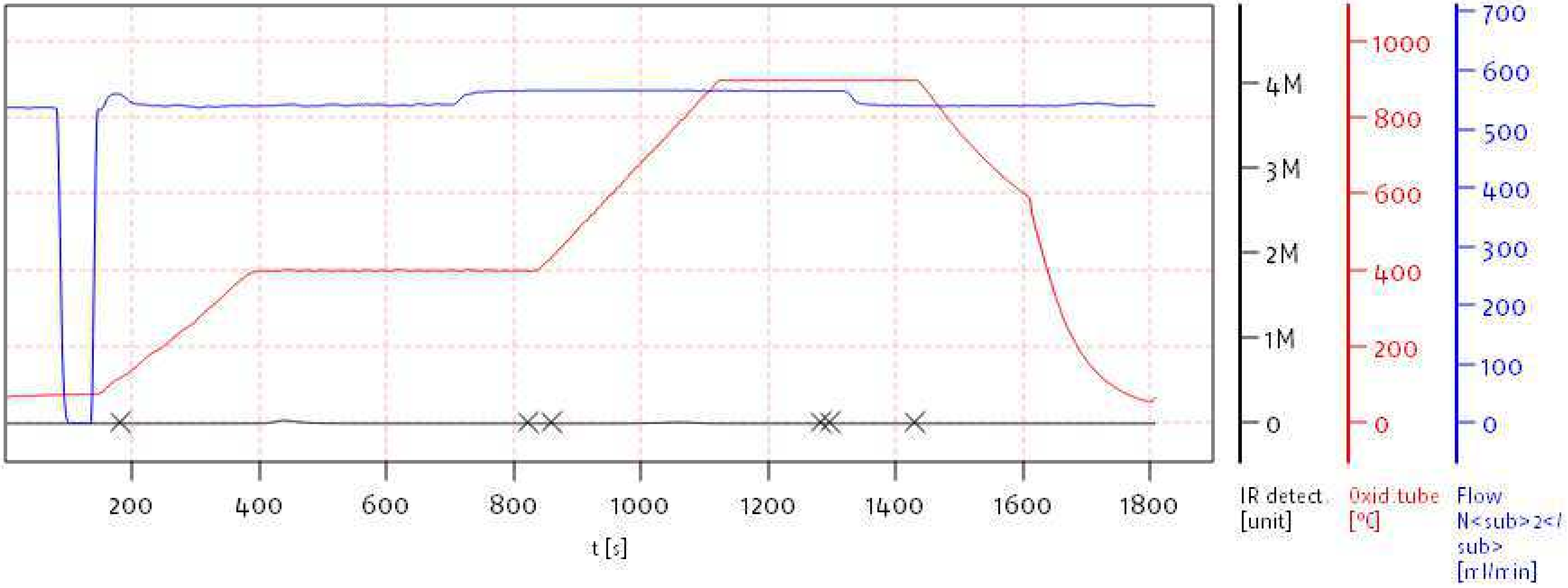
Soli TOC Cube, Carbon
Balance: BAL3
Analyst: DOE

	Pos.	Name	Weight [mg]	Memo	Method	Date Time	Info	TOC [%]	TOC400 Area	TC [%]	ROC [%]	ROC Area	TIC900 Area	TOC400 [%]	TIC900 [%]	TOC400 Factor	TIC900 Factor
6	6	BKL0573-MRL1	528.70		CARBON	12/26/2022 6:05 PM	bl,C2u	0.012	68 743	0.015	0.000	1 215	37 250	0.012	0.003	0.9726	1.0000



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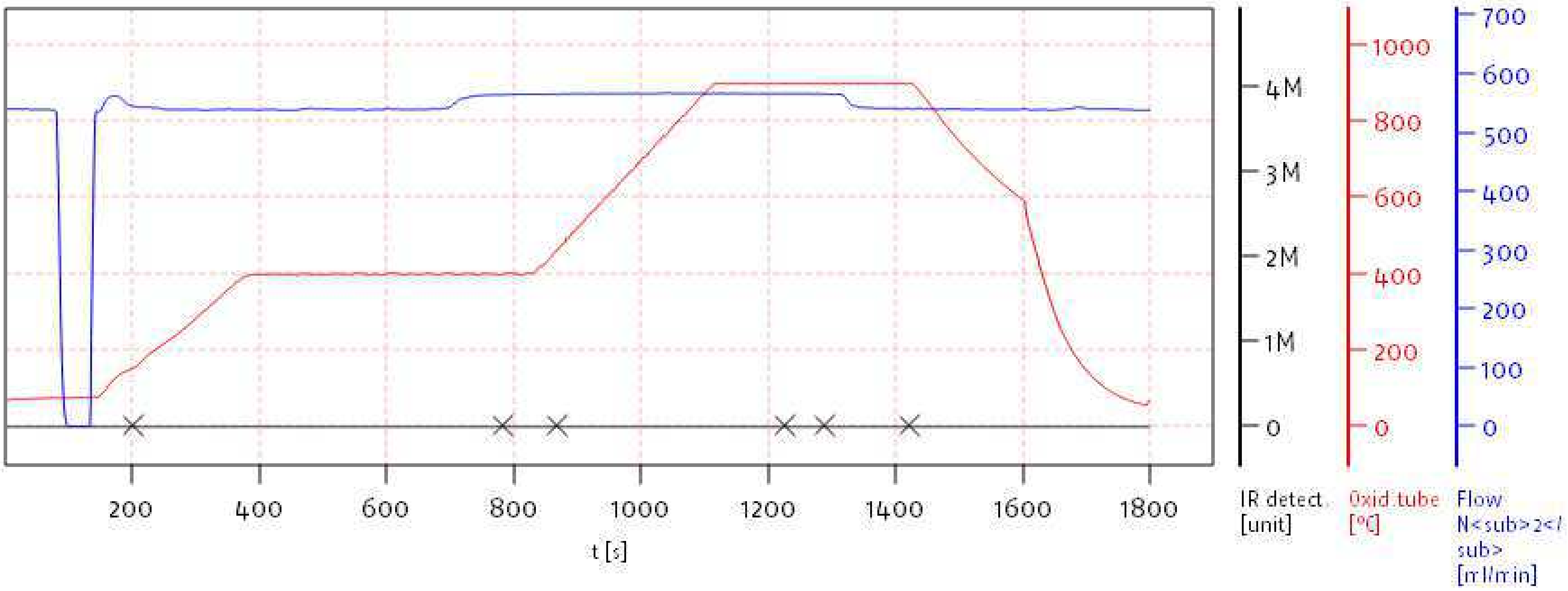
Serial No: 0300.181017
Mode CCC

Soli TOC Cube, Carbon
Balance: BAL3
Analyst: DOE

	Pos.	Name	Weight [mg]	Memo	Method	Date Time	Info	TOC [%]	TOC400 Area	TC [%]	ROC [%]	ROC Area	TIC900 Area	TOC400 [%]	TIC900 [%]	TOC400 Factor	TIC900 Factor
7	7	BKL0573-BLK1	508.90		CARBON	12/26/2022 6:35 PM	bl,C3u,C2u	0.000	5 054	0.000	0.000	767	2 288	0.000	0.000	0.9726	1.0000



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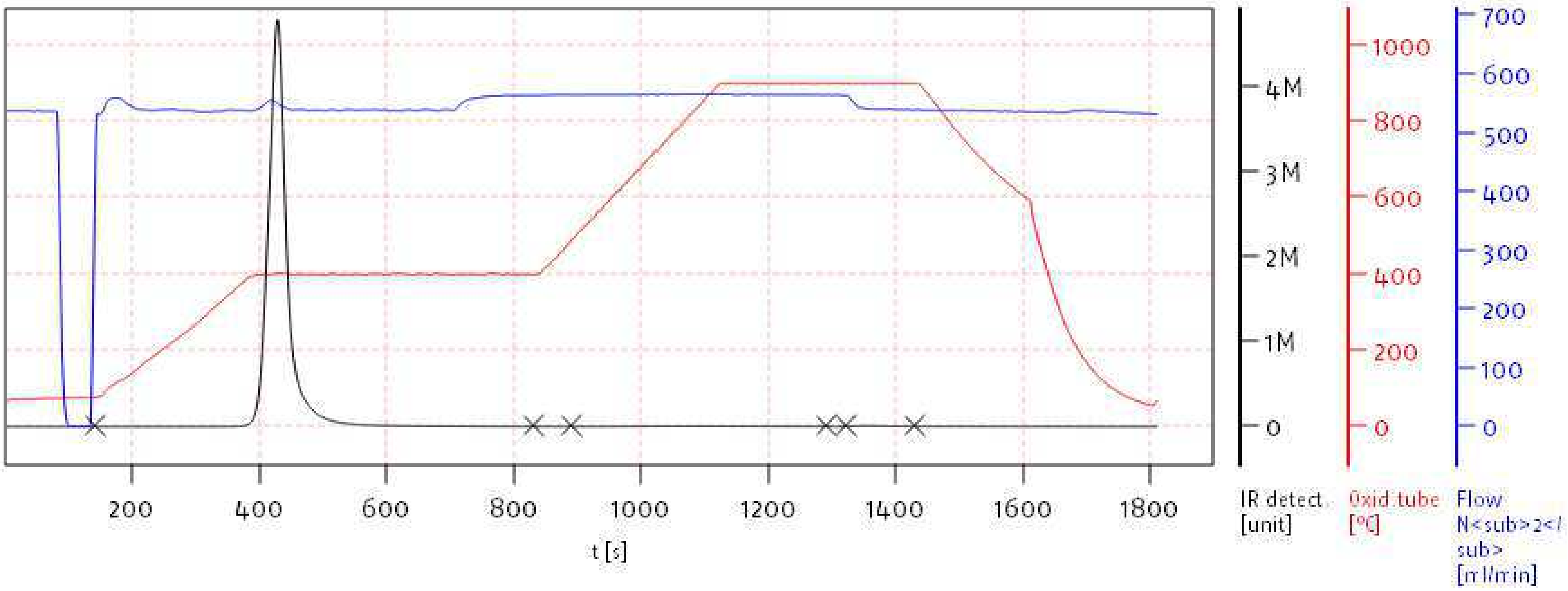
soliTOC V2.0.2 (31015f9) 2018-11-19
Serial No: 0300.181017
Mode CCC

elementar
EXCELLENCE IN ELEMENTS

Soli TOC Cube, Carbon
Balance: BAL3
Analyst: DOE

	Pos.	Name	Weight [mg]	Memo	Method	Date Time	Info	TOC [%]	TOC400 Area	TC [%]	ROC [%]	ROC Area	TIC900 Area	TOC400 [%]	TIC900 [%]	TOC400 Factor	TIC900 Factor
8	8	BKL0573-BS1	20.20		CARBON	12/26/2022 7:06 PM	bl	45.465	6 125 066	45.722	0.008	27 515	59 997	45.458	0.256	0.9726	1.0000



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Serial No: 0300.181017
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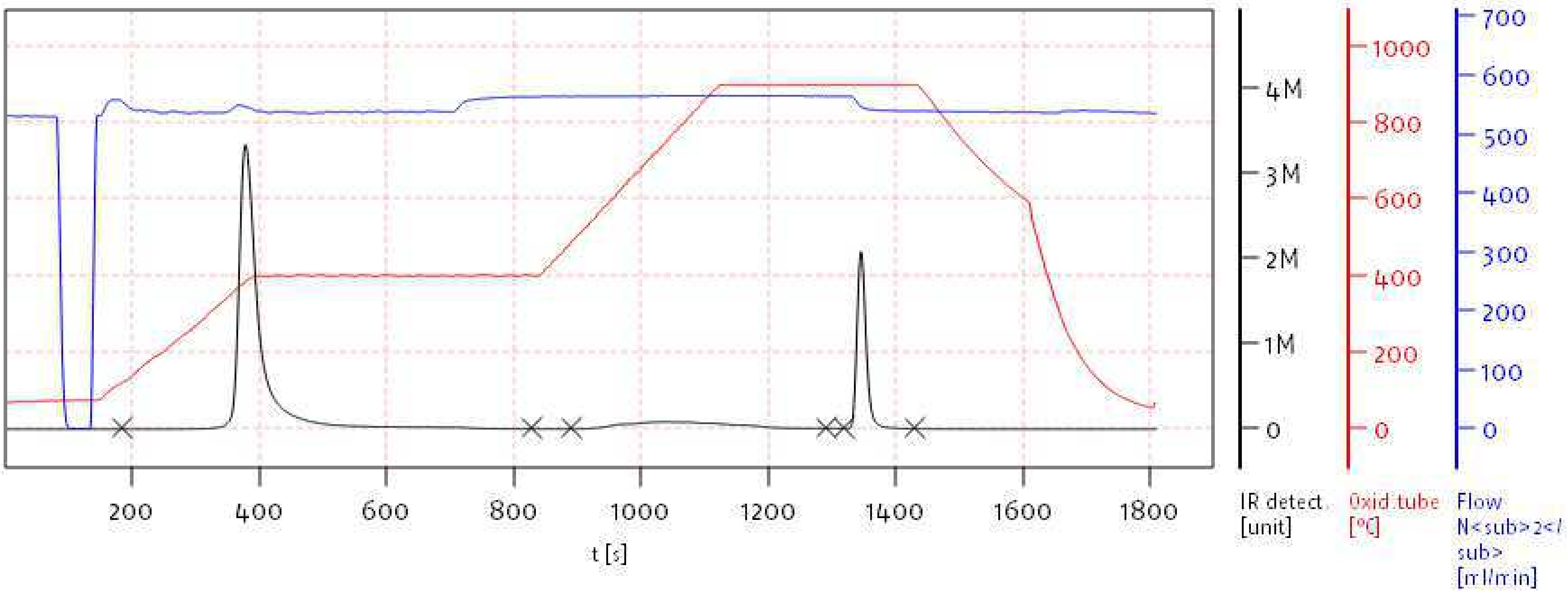
Soli TOC Cube, Carbon
Balance: BAL3
Analyst: DOE

	Pos.	Name	Weight [mg]	Memo	Method	Date Time	Info	TOC [%]	TOC400 Area	TC [%]	ROC [%]	ROC Area	TIC900 Area	TOC400 [%]	TIC900 [%]	TOC400 Factor	TIC900 Factor
9	9	BKL0573-SRM1	294.20		CARBON	12/26/2022 7:36 PM	bl	3.036	4 631 828	3.369	0.680	1 317 971	658 315	2.357	0.332	0.9726	1.0000



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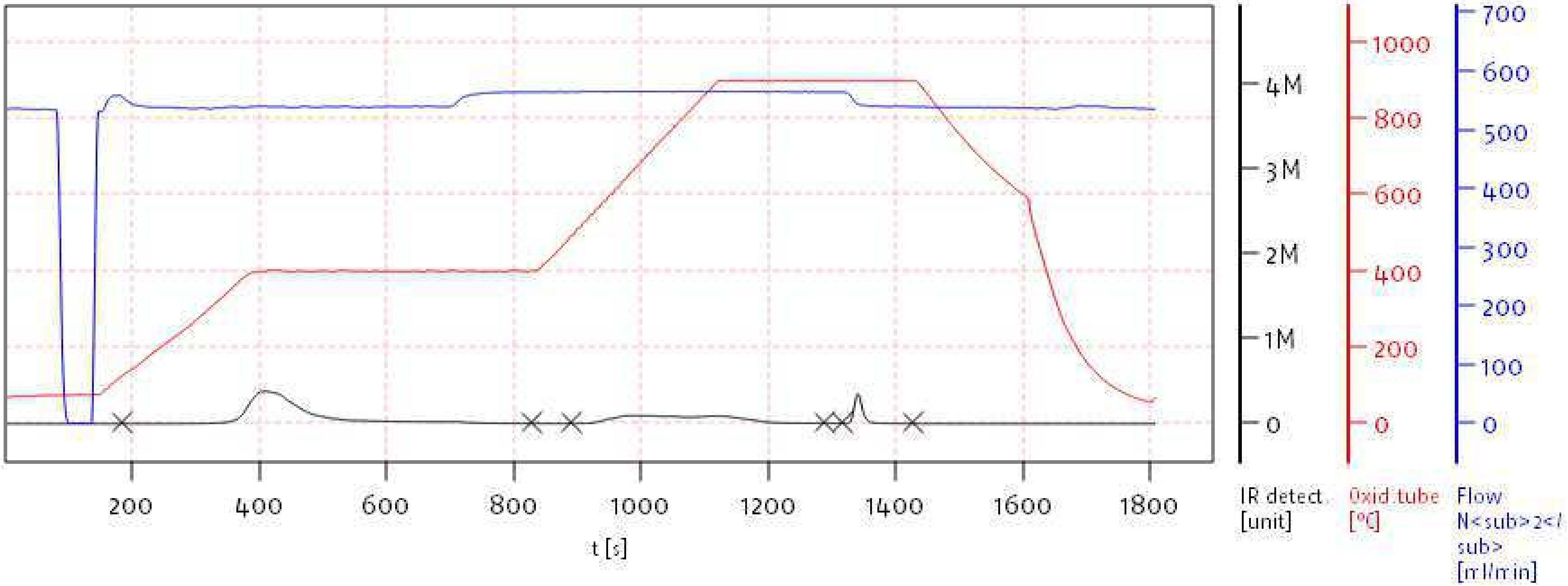
Soli TOC Cube, Carbon
Balance: BAL3
Analyst: DOE

	Pos.	Name	Weight [mg]	Memo	Method	Date Time	Info	TOC [%]	TOC400 Area	TC [%]	ROC [%]	ROC Area	TIC900 Area	TOC400 [%]	TIC900 [%]	TOC400 Factor	TIC900 Factor
10	10	22L0327-01	554.20		CARBON	12/26/2022 8:07 PM	bl	0.461	1 535 967	0.673	0.051	208 549	786 624	0.410	0.212	0.9726	1.0000



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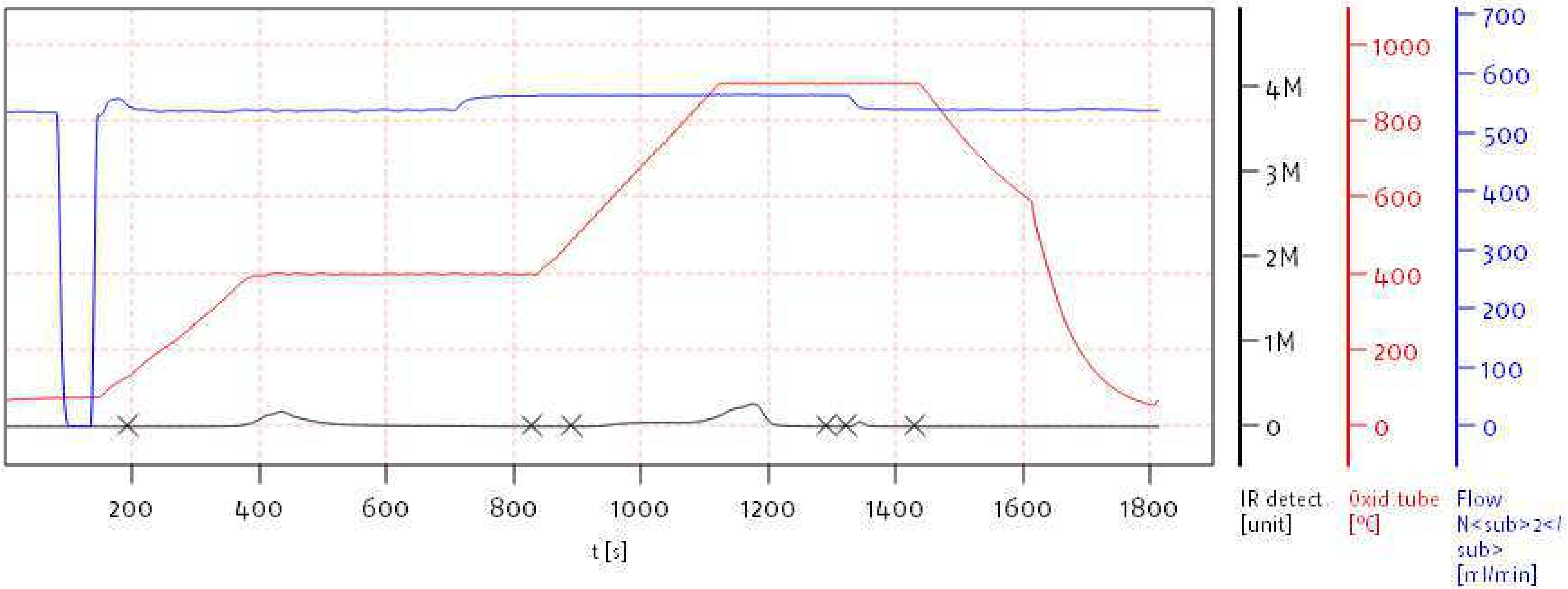
soliTOC V2.0.2 (31015f9) 2018-11-19
Serial No: 0300.181017
Mode CCC

EXCELLENCE IN ELEMENTS

Soli TOC Cube, Carbon
Balance: BAL3
Analyst: DOE

	Pos.	Name	Weight [mg]	Memo	Method	Date Time	Info	TOC [%]	TOC400 Area	TC [%]	ROC [%]	ROC Area	TIC900 Area	TOC400 [%]	TIC900 [%]	TOC400 Factor	TIC900 Factor
11	11	22L0327-02	510.10		CARBON	12/26/2022 8:38 PM	bl	0.179	618 612	0.466	0.004	39 173	973 099	0.175	0.287	0.9726	1.0000



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Serial No: 0300.181017
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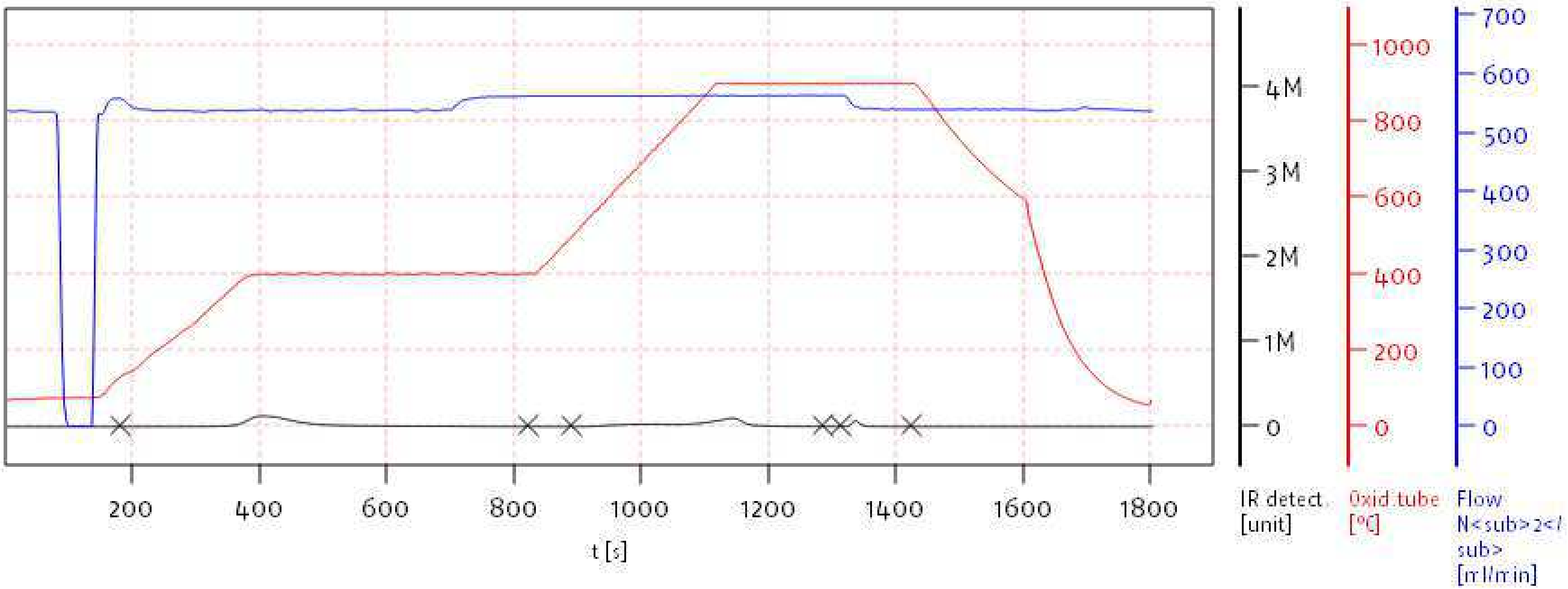
Soli TOC Cube, Carbon
Balance: BAL3
Analyst: DOE

	Pos.	Name	Weight [mg]	Memo	Method	Date Time	Info	TOC [%]	TOC400 Area	TC [%]	ROC [%]	ROC Area	TIC900 Area	TOC400 [%]	TIC900 [%]	TOC400 Factor	TIC900 Factor
12	12	22L0327-03	163.70		CARBON	12/26/2022 9:08 PM	bl	0.430	478 078	0.759	0.014	41 775	375 145	0.415	0.330	0.9726	1.0000



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soliTOC V2.0.2 (31015f9) 2018-11-19
Serial No: 0300.181017
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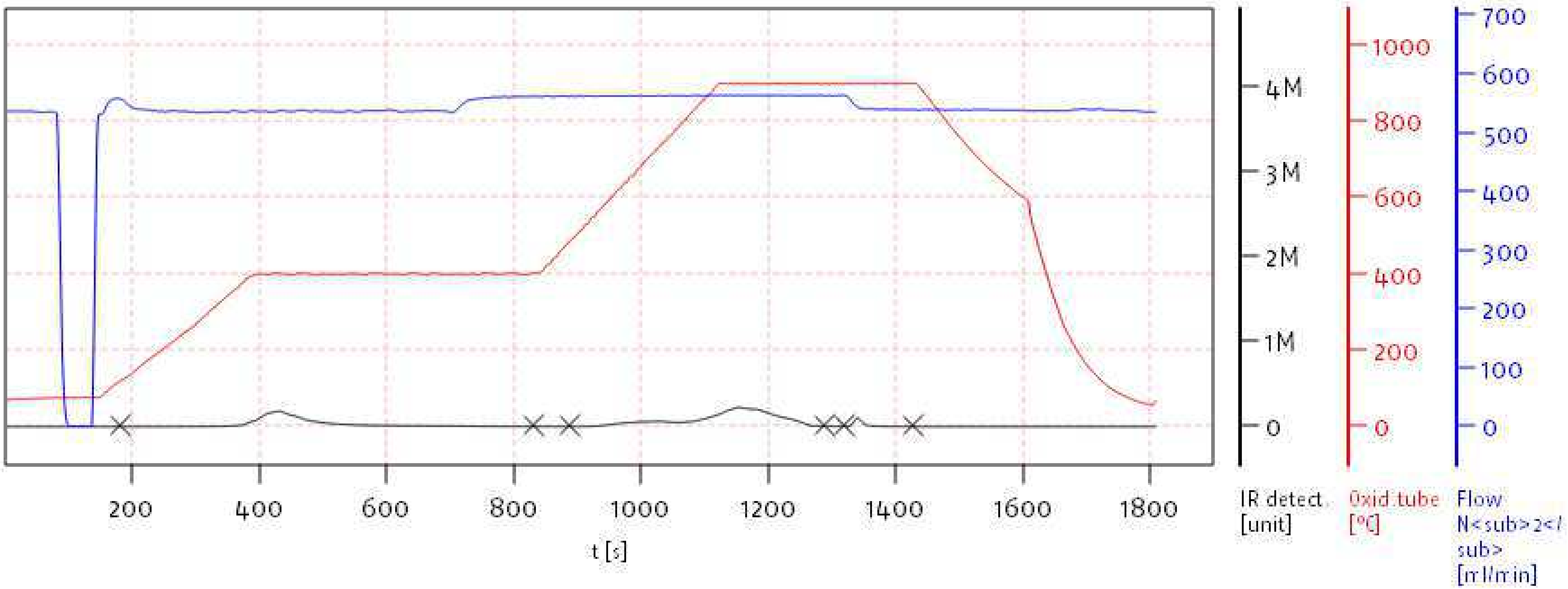
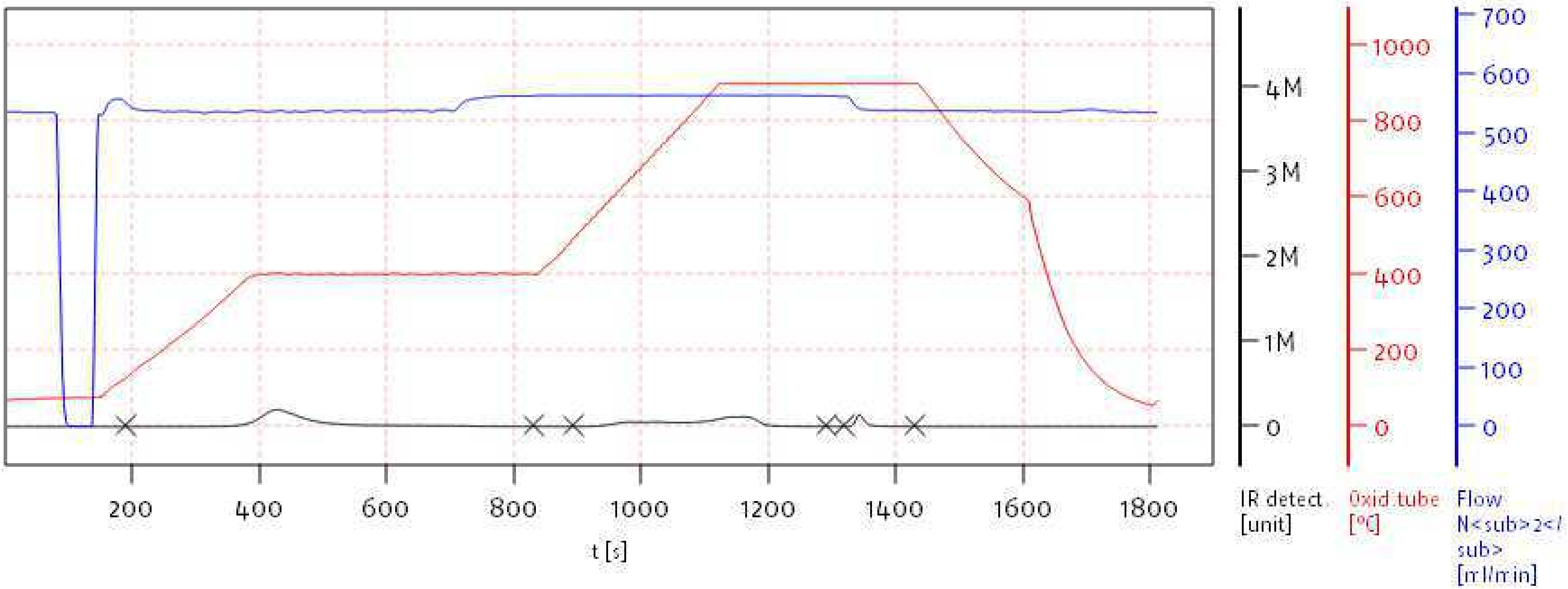
Soli TOC Cube, Carbon
Balance: BAL3
Analyst: DOE

	Pos.	Name	Weight [mg]	Memo	Method	Date Time	Info	TOC [%]	TOC400 Area	TC [%]	ROC [%]	ROC Area	TIC900 Area	TOC400 [%]	TIC900 [%]	TOC400 Factor	TIC900 Factor
13	13	22L0327-04	523.80		CARBON	12/26/2022 9:38 PM	bl	0.196	666 771	0.548	0.012	66 922	1 219 260	0.184	0.352	0.9726	1.0000



Soli TOC Cube, Carbon
Balance: BAL3
Analyst: DOE

	Pos.	Name	Weight [mg]	Memo	Method	Date Time	Info	TOC [%]	TOC400 Area	TC [%]	ROC [%]	ROC Area	TIC900 Area	TOC400 [%]	TIC900 [%]	TOC400 Factor	TIC900 Factor
14	14	22L0327-05	550.70		CARBON	12/26/2022 10:09 PM	bl	0.207	716 201	0.378	0.018	90 636	636 499	0.189	0.171	0.9726	1.0000



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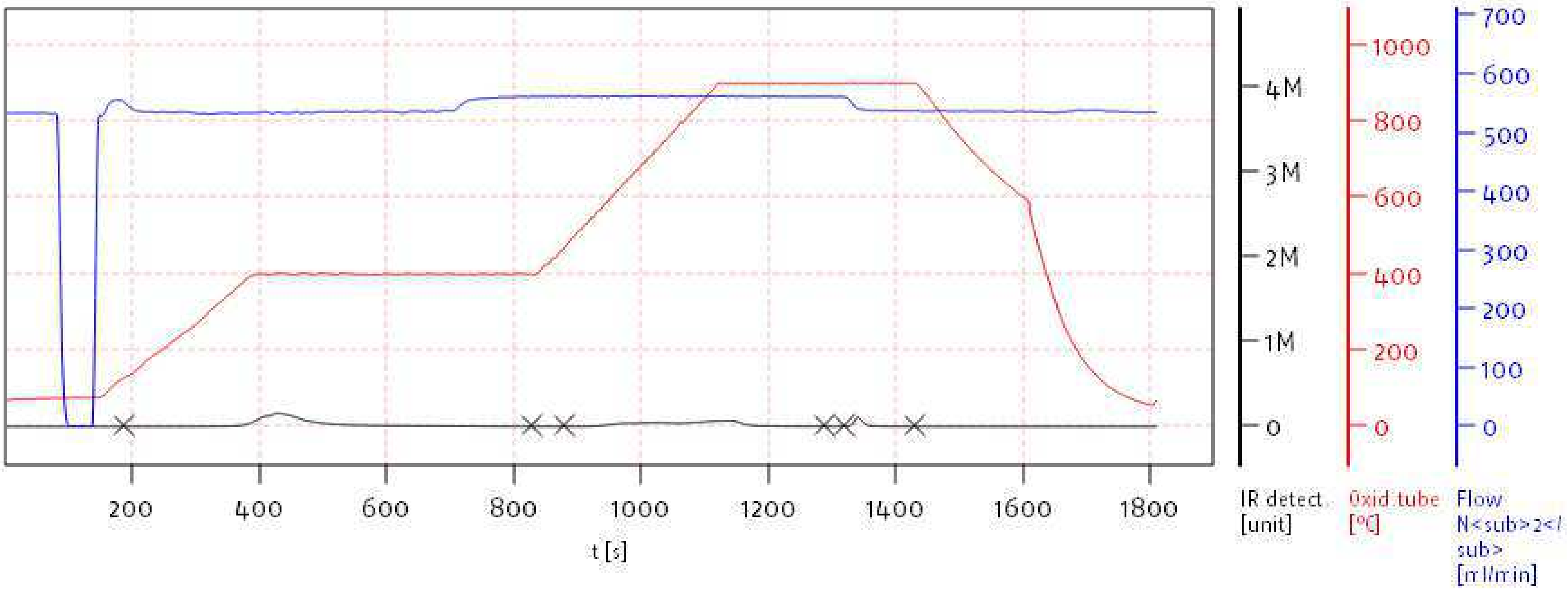
Date: Wed Dec 28 12:26:29 2022

soliTOC V2.0.2 (31015f9) 2018-11-19
Serial No: 0300.181017
Mode CCC

Soli TOC Cube, Carbon
Balance: BAL3
Analyst: DOE

	Pos.	Name	Weight [mg]	Memo	Method	Date Time	Info	TOC [%]	TOC400 Area	TC [%]	ROC [%]	ROC Area	TIC900 Area	TOC400 [%]	TIC900 [%]	TOC400 Factor	TIC900 Factor
15	15	22L0327-06	516.50		CARBON	12/26/2022 10:40 PM	bl	0.177	585 502	0.295	0.014	72 050	420 680	0.163	0.118	0.9726	1.0000



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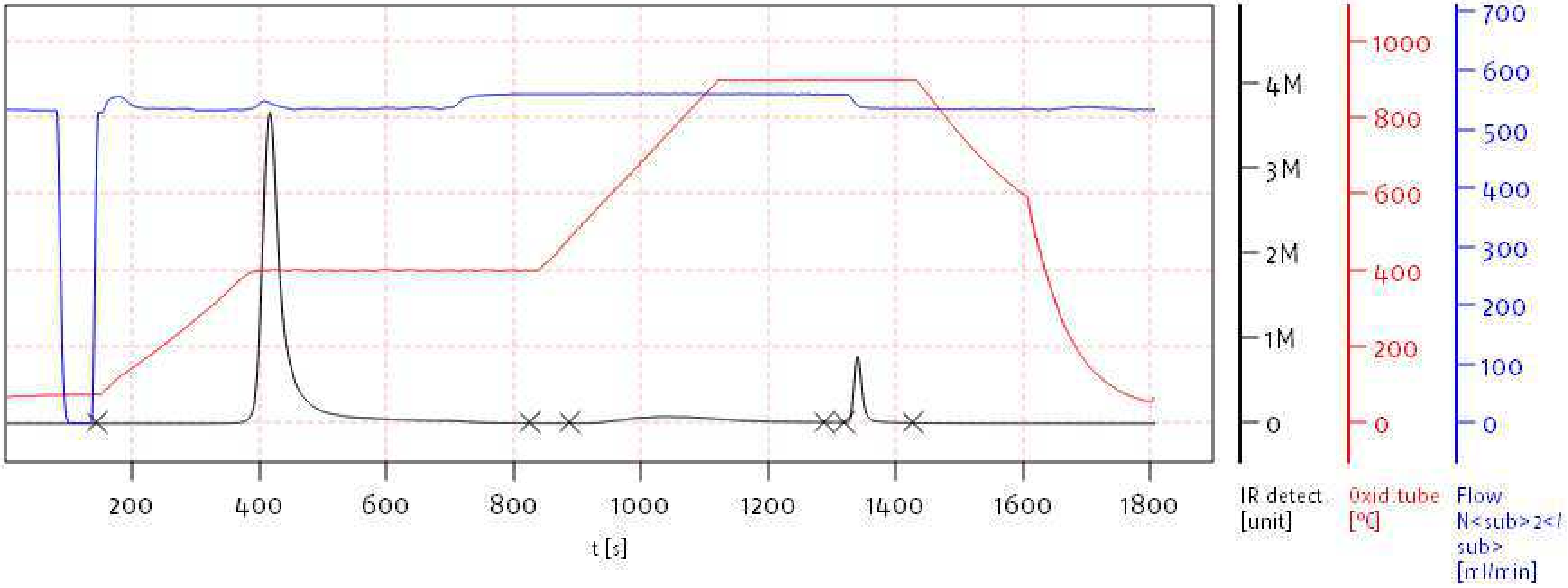
Serial No: 0300.181017
Mode CCC

Soli TOC Cube, Carbon
Balance: BAL3
Analyst: DOE

	Pos.	Name	Weight [mg]	Memo	Method	Date Time	Info	TOC [%]	TOC400 Area	TC [%]	ROC [%]	ROC Area	TIC900 Area	TOC400 [%]	TIC900 [%]	TOC400 Factor	TIC900 Factor
16	16	SKL0 300-CCV 1	20.80		CARBON	12/26/2022 11:10 PM	bl	41.813	5 329 064	46.153	3.429	487 225	609 597	38.384	4.339	0.9726	1.0000



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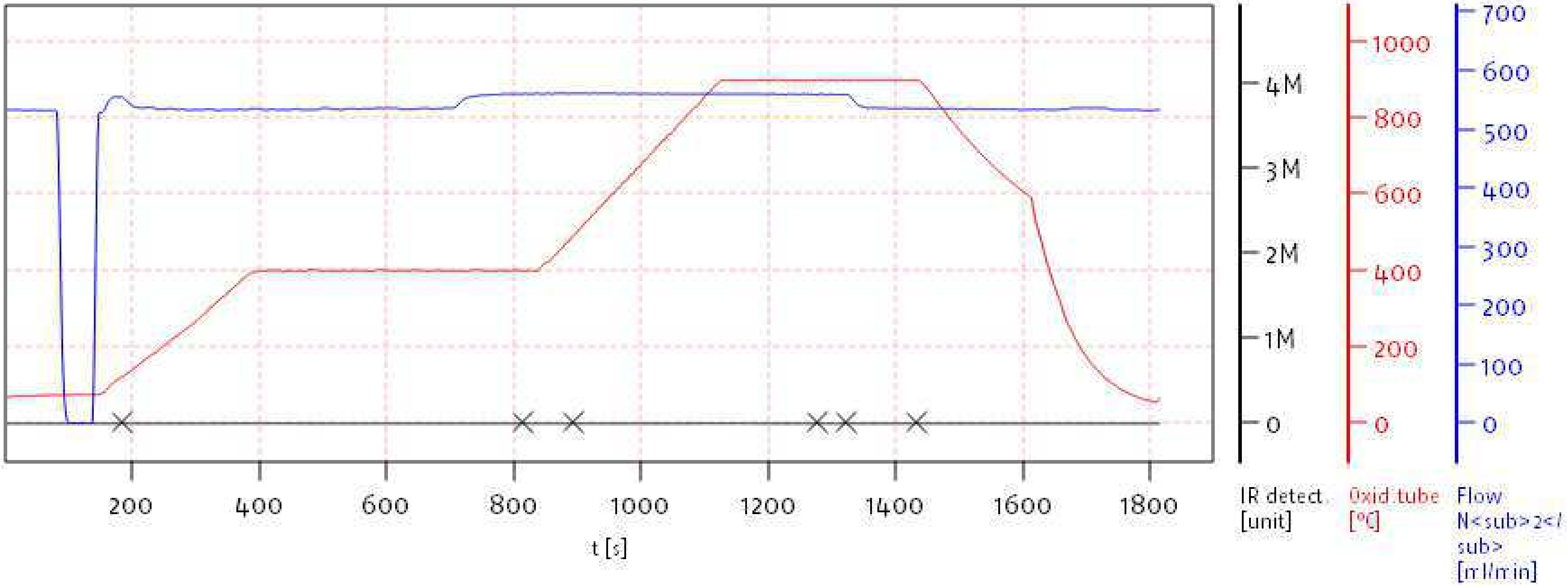
Soli TOC Cube, Carbon
Balance: BAL3
Analyst: DOE

	Pos.	Name	Weight [mg]	Memo	Method	Date Time	Info	TOC [%]	TOC400 Area	TC [%]	ROC [%]	ROC Area	TIC900 Area	TOC400 [%]	TIC900 [%]	TOC400 Factor	TIC900 Factor
17	17	SKL0300-CCB1	521.90		CARBON	12/26/2022 11:41 PM	bl,C2u	0.000	6 083	0.000	0.000	685	6 424	0.000	0.000	0.9726	1.0000



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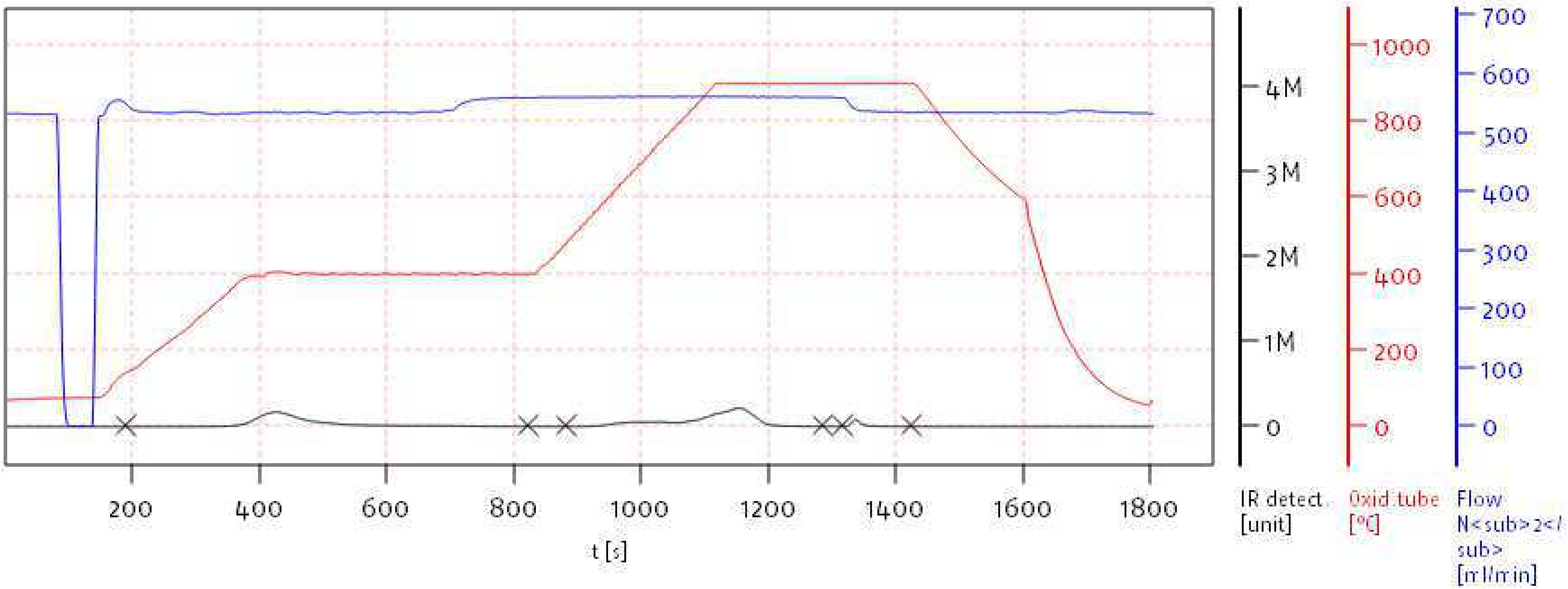
Serial No: 0300.181017
Mode CCC

Soli TOC Cube, Carbon
Balance: BAL3
Analyst: DOE

	Pos.	Name	Weight [mg]	Memo	Method	Date Time	Info	TOC [%]	TOC400 Area	TC [%]	ROC [%]	ROC Area	TIC900 Area	TOC400 [%]	TIC900 [%]	TOC400 Factor	TIC900 Factor
18	18	22L0327-07	511.20		CARBON	12/27/2022 12:11 AM	bl	0.198	667 759	0.462	0.009	57 575	897 679	0.189	0.264	0.9726	1.0000



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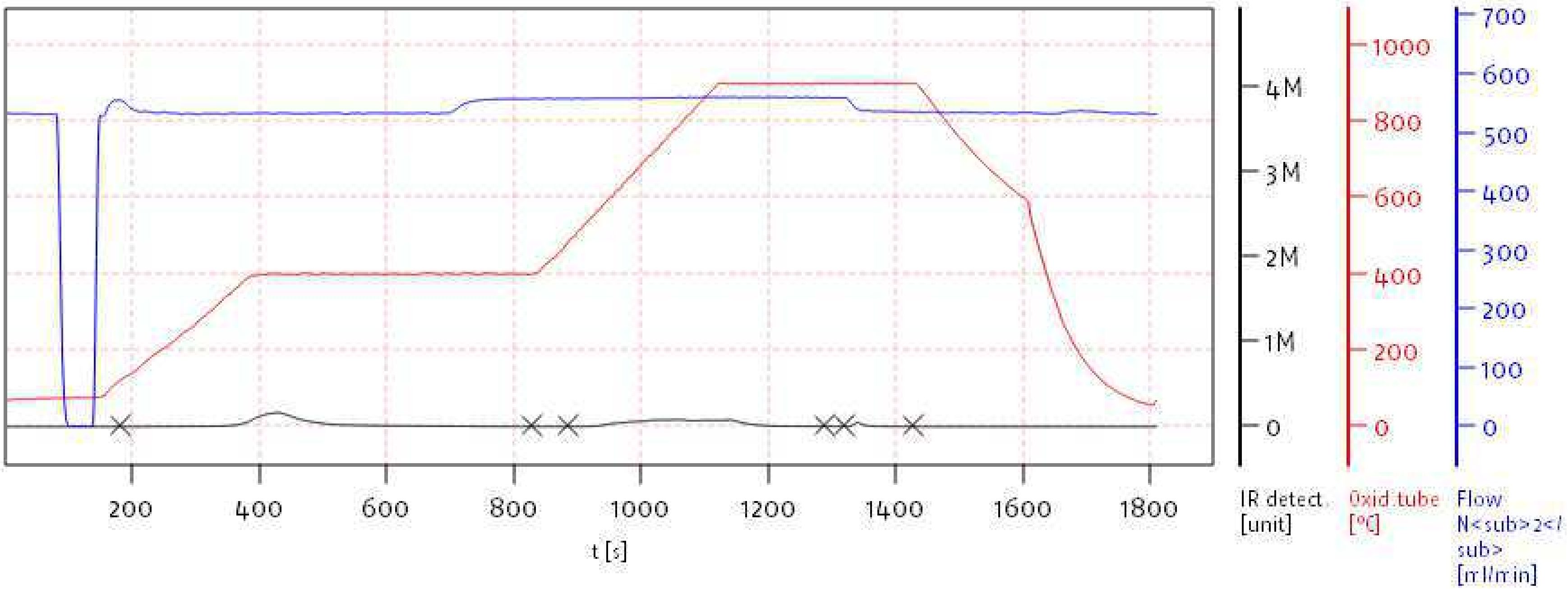
soliTOC V2.0.2 (31015f9) 2018-11-19
Serial No: 0300.181017
Mode CCC

Soli TOC Cube, Carbon
Balance: BAL3
Analyst: DOE

	Pos.	Name	Weight [mg]	Memo	Method	Date Time	Info	TOC [%]	TOC400 Area	TC [%]	ROC [%]	ROC Area	TIC900 Area	TOC400 [%]	TIC900 [%]	TOC400 Factor	TIC900 Factor
19	19	22L0327-08	511.10		CARBON	12/27/2022 12:42 AM	bl	0.183	637 656	0.358	0.003	36 560	605 366	0.180	0.175	0.9726	1.0000



Name:

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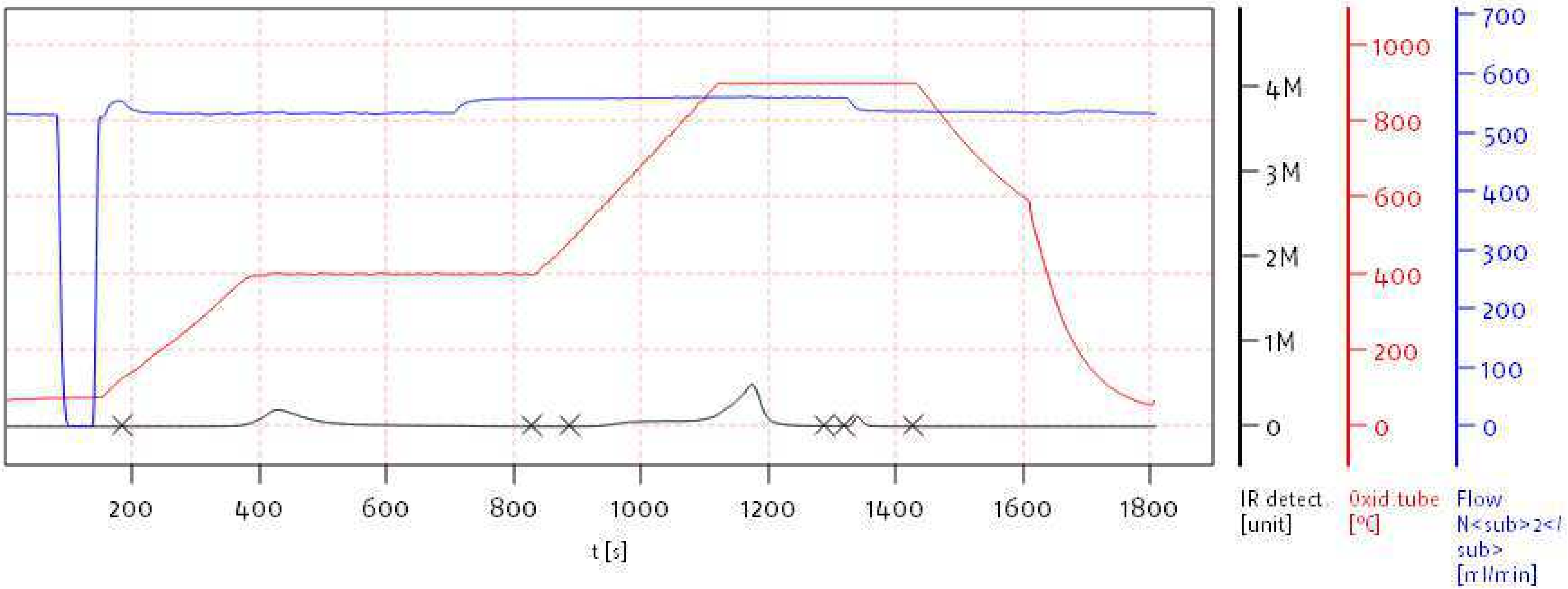
soliTOC V2.0.2 (31015f9) 2018-11-19
Serial No: 0300.181017
Mode CCC

Soli TOC Cube, Carbon
Balance: BAL3
Analyst: DOE

	Pos.	Name	Weight [mg]	Memo	Method	Date Time	Info	TOC [%]	TOC400 Area	TC [%]	ROC [%]	ROC Area	TIC900 Area	TOC400 [%]	TIC900 [%]	TOC400 Factor	TIC900 Factor
20	20	22L0327-09	522.30		CARBON	12/27/2022 1:12 AM	bl	0.221	740 452	0.629	0.015	76 386	1 404 494	0.206	0.408	0.9726	1.0000



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soliTOC V2.0.2 (31015f9) 2018-11-19
Serial No: 0300.181017
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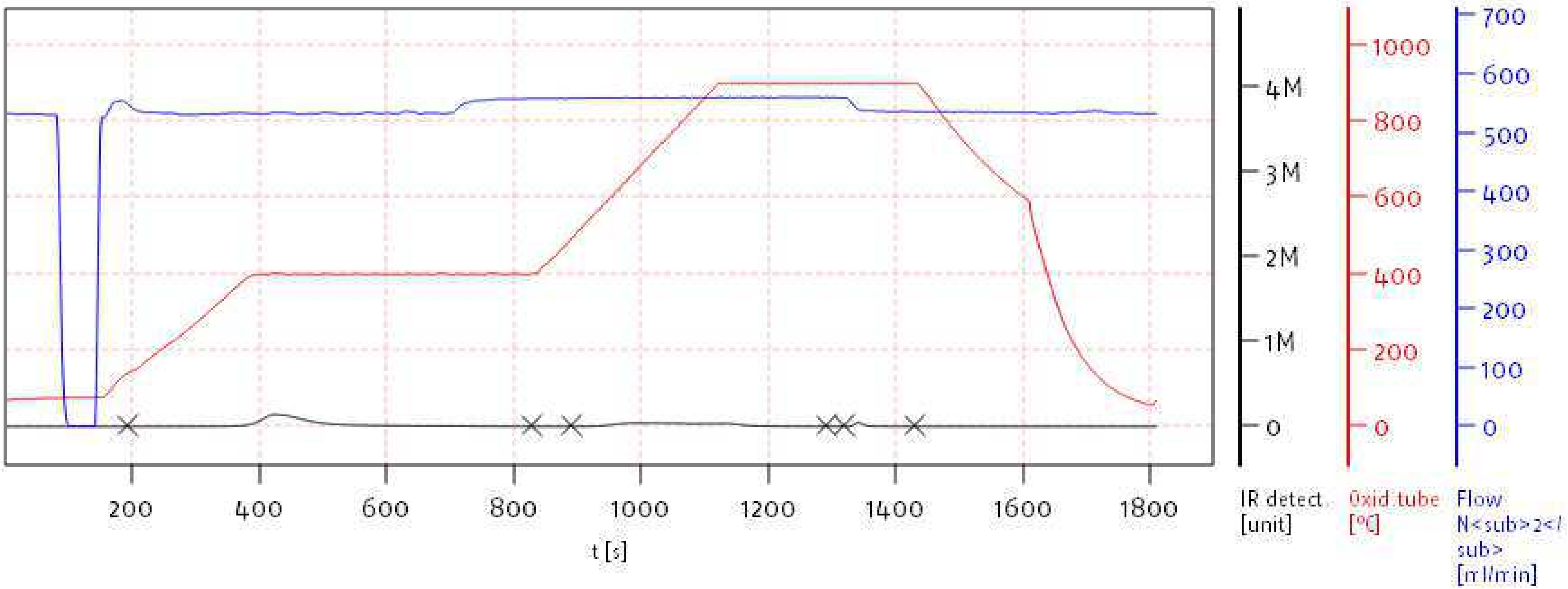
Soli TOC Cube, Carbon
Balance: BAL3
Analyst: DOE

	Pos.	Name	Weight [mg]	Memo	Method	Date Time	Info	TOC [%]	TOC400 Area	TC [%]	ROC [%]	ROC Area	TIC900 Area	TOC400 [%]	TIC900 [%]	TOC400 Factor	TIC900 Factor
21	21	22L0327-10	510.90		CARBON	12/27/2022 1:43 AM	bl	0.151	533 455	0.240	0.002	33 360	317 145	0.149	0.088	0.9726	1.0000



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soliTOC V2.0.2 (31015f9) 2018-11-19
Serial No: 0300.181017
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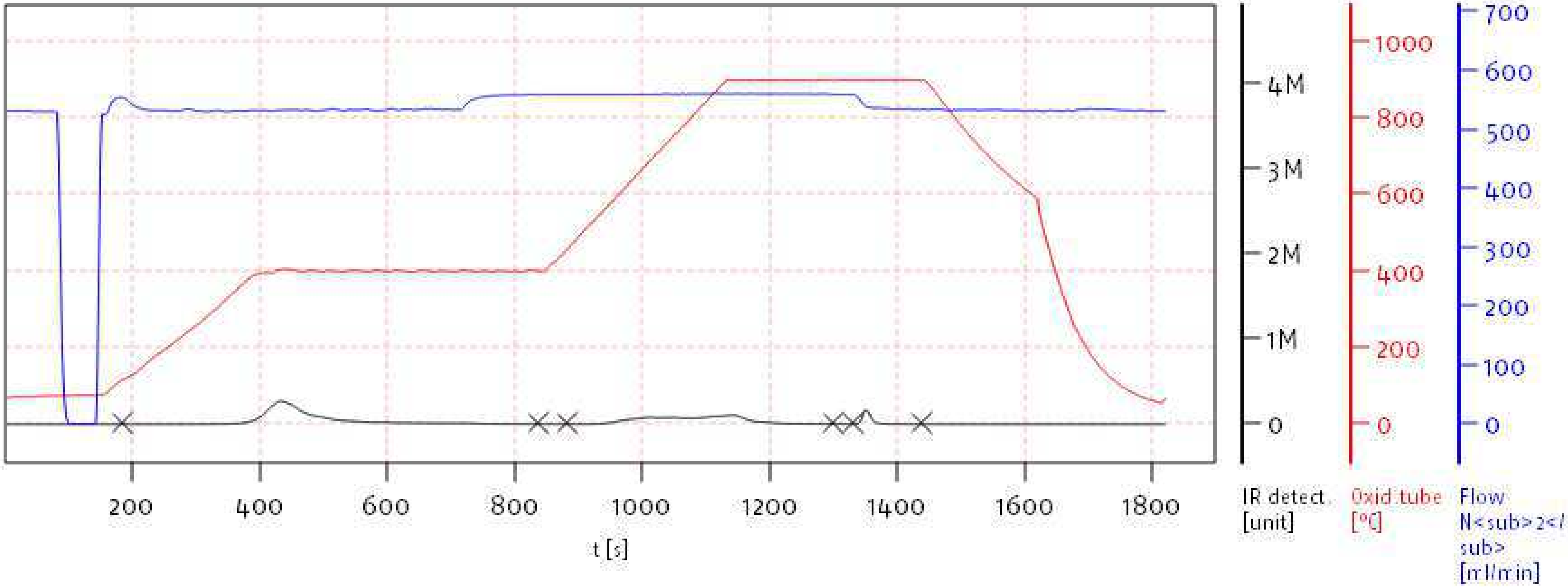
EXCELLENCE IN ELEMENTS

Soli TOC Cube, Carbon
Balance: BAL3
Analyst: DOE

	Pos.	Name	Weight [mg]	Memo	Method	Date Time	Info	TOC [%]	TOC400 Area	TC [%]	ROC [%]	ROC Area	TIC900 Area	TOC400 [%]	TIC900 [%]	TOC400 Factor	TIC900 Factor
22	22	22L0327-11	532.50		CARBON	12/27/2022 2:14 AM	bl	0.277	927 762	0.465	0.022	102 577	674 285	0.255	0.188	0.9726	1.0000



Name:

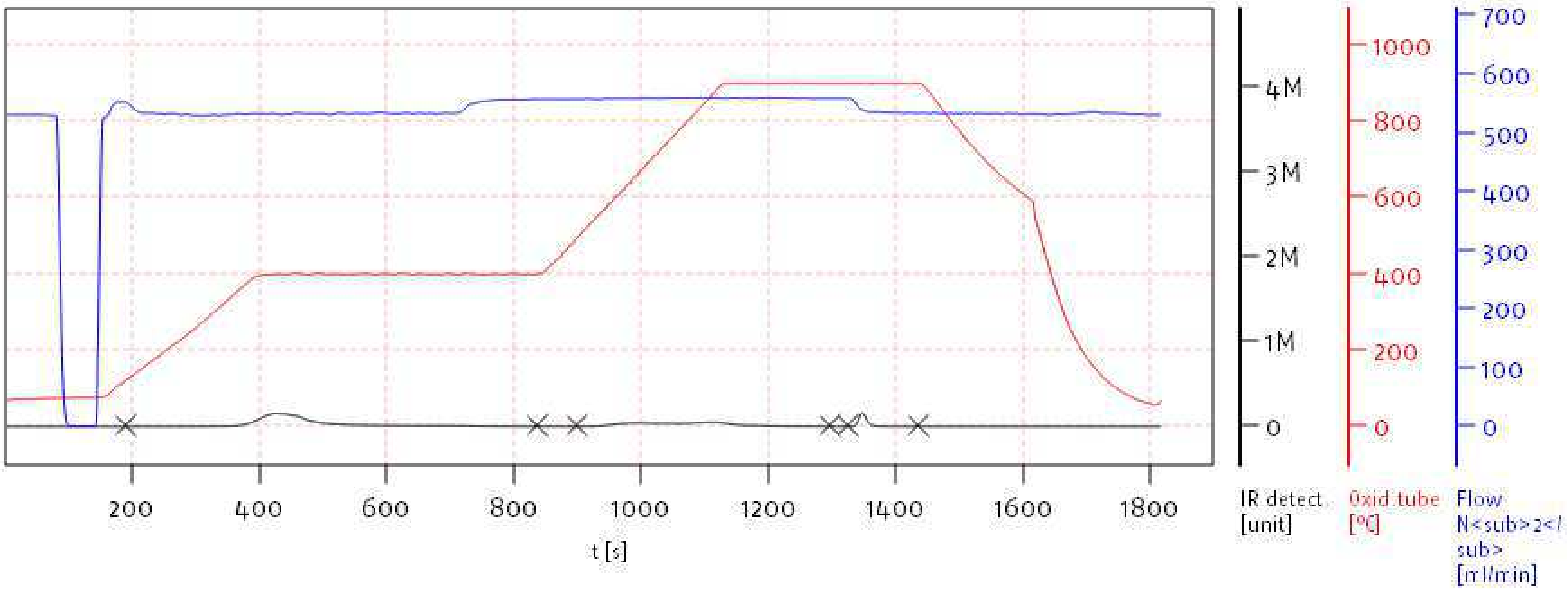
Access: soliTOC superuser

Date: Wed Dec 28 12:26:29 2022

soliTOC V2.0.2 (31015f9) 2018-11-19
Serial No: 0300.181017
Mode CCC

Soli TOC Cube, Carbon
Balance: BAL3
Analyst: DOE

	Pos.	Name	Weight [mg]	Memo	Method	Date Time	Info	TOC [%]	TOC400 Area	TC [%]	ROC [%]	ROC Area	TIC900 Area	TOC400 [%]	TIC900 [%]	TOC400 Factor	TIC900 Factor
23	23	22L0327-12	303.80		CARBON	12/27/2022 2:44 AM	bl	0.328	622 425	0.489	0.032	90 175	342 466	0.295	0.161	0.9726	1.0000



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Date: Wed Dec 28 12:26:29 2022

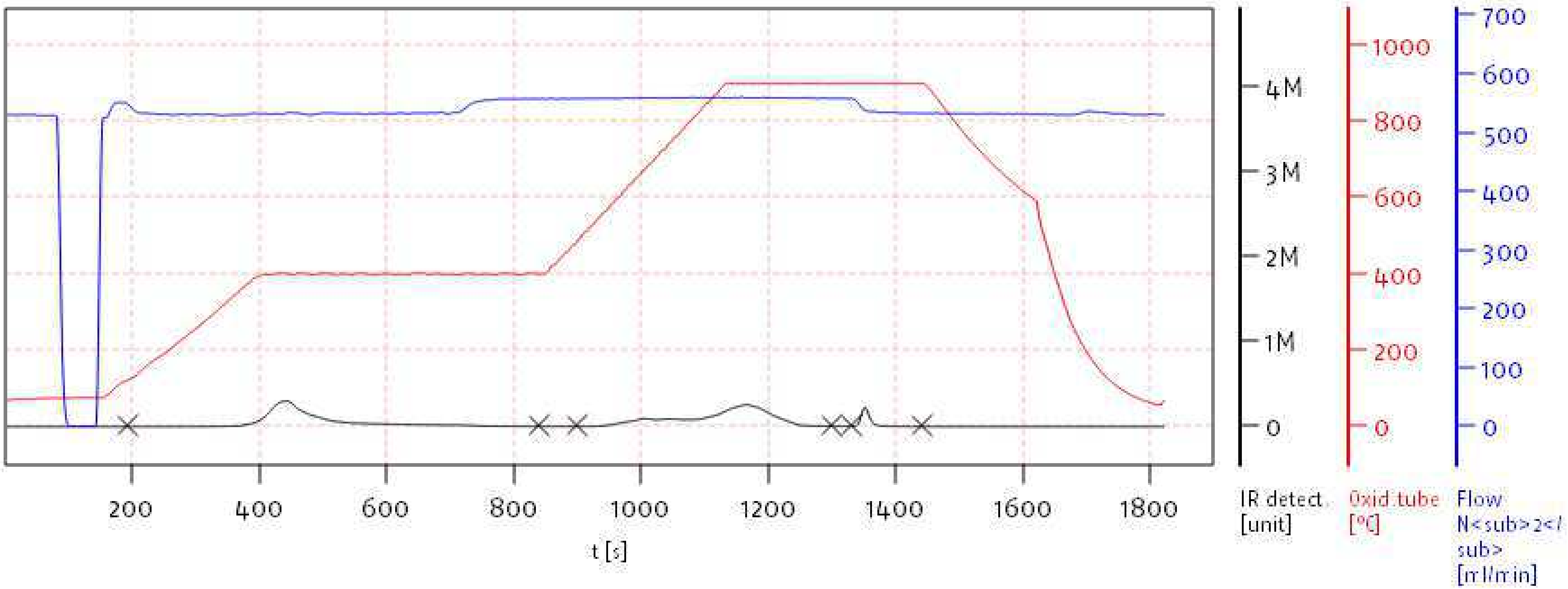
soliTOC V2.0.2 (31015f9) 2018-11-19
Serial No: 0300.181017
Mode CCC

Soli TOC Cube, Carbon

Balance: BAL3

Analyst: DOE

	Pos.	Name	Weight [mg]	Memo	Method	Date Time	Info	TOC [%]	TOC400 Area	TC [%]	ROC [%]	ROC Area	TIC900 Area	TOC400 [%]	TIC900 [%]	TOC400 Factor	TIC900 Factor
24	24	22L0327-13	519.20		CARBON	12/27/2022 3:15 AM	bl	0.340	1 082 741	0.730	0.034	139 427	1 334 864	0.306	0.390	0.9726	1.0000



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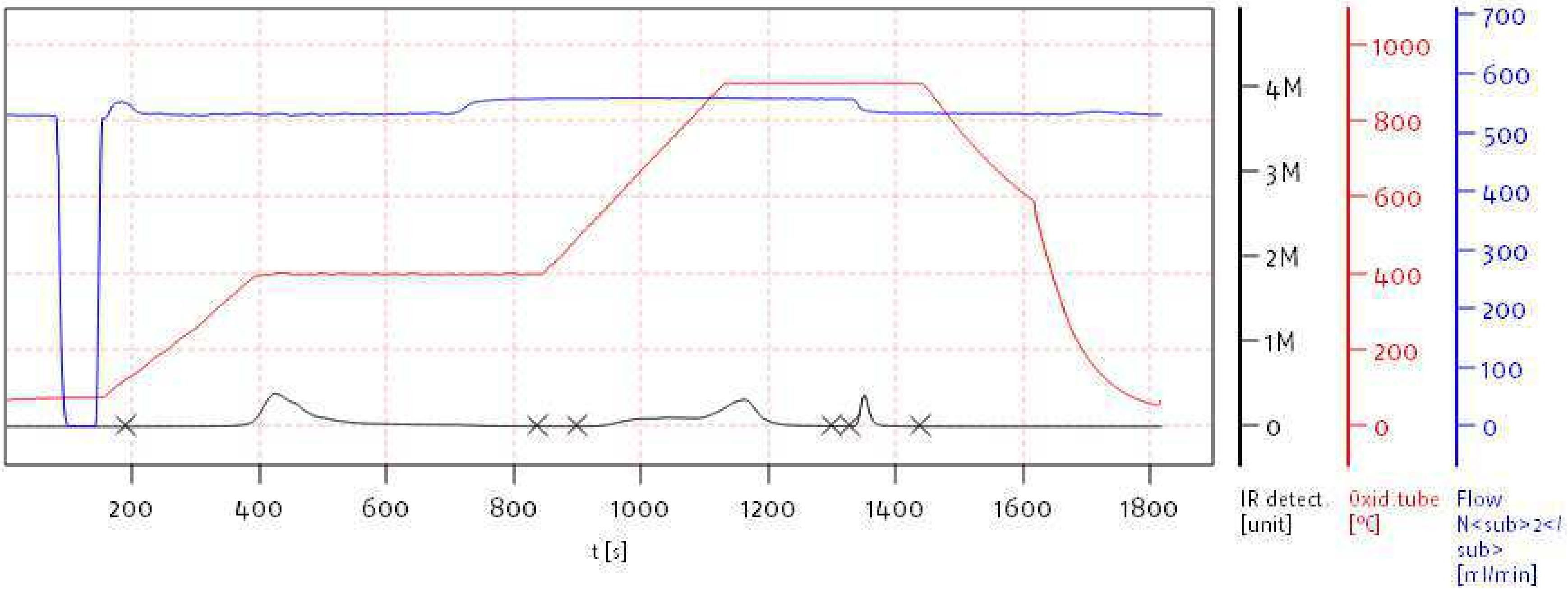
soliTOC V2.0.2 (31015f9) 2018-11-19
Serial No: 0300.181017
Mode CCC

EXCELLENCE IN ELEMENTS

Soli TOC Cube, Carbon
Balance: BAL3
Analyst: DOE

	Pos.	Name	Weight [mg]	Memo	Method	Date Time	Info	TOC [%]	TOC400 Area	TC [%]	ROC [%]	ROC Area	TIC900 Area	TOC400 [%]	TIC900 [%]	TOC400 Factor	TIC900 Factor
25	25	22L0327-14	537.90		CARBON	12/27/2022 3:46 AM	bl	0.435	1 366 526	0.821	0.060	234 262	1 368 924	0.375	0.386	0.9726	1.0000



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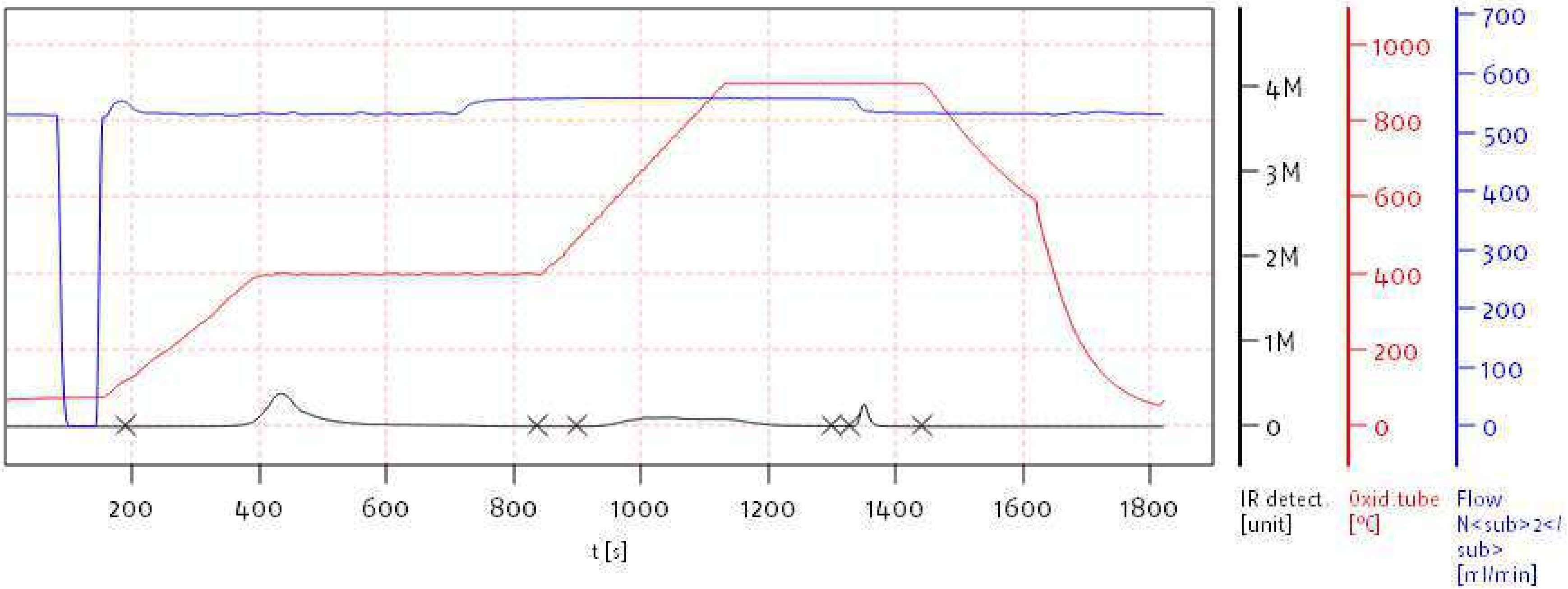
Serial No: 0300.181017
Mode CCC

Soli TOC Cube, Carbon
Balance: BAL3
Analyst: DOE

	Pos.	Name	Weight [mg]	Memo	Method	Date Time	Info	TOC [%]	TOC400 Area	TC [%]	ROC [%]	ROC Area	TIC900 Area	TOC400 [%]	TIC900 [%]	TOC400 Factor	TIC900 Factor
26	26	22L0327-15	504.60		CARBON	12/27/2022 4:16 AM	bl	0.398	1 225 873	0.631	0.040	157 077	787 169	0.358	0.233	0.9726	1.0000



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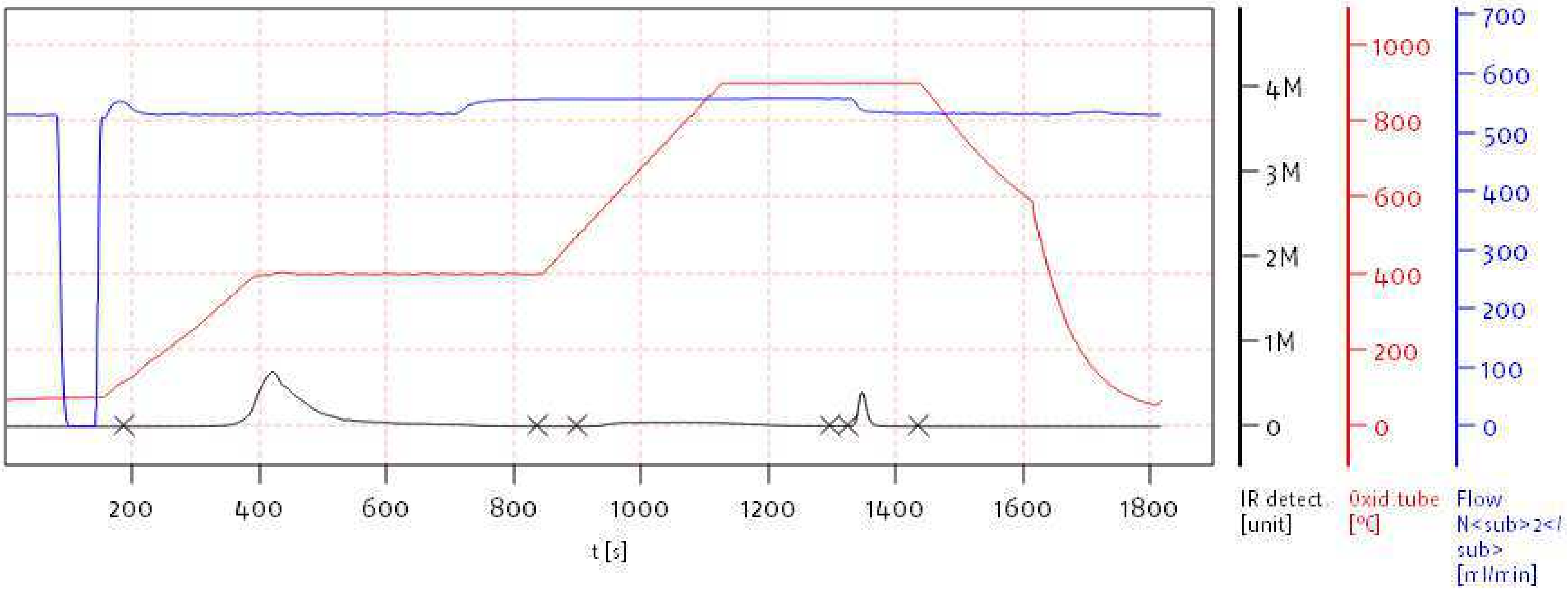
Mode CCC

Soli TOC Cube, Carbon
Balance: BAL3
Analyst: DOE

	Pos.	Name	Weight [mg]	Memo	Method	Date Time	Info	TOC [%]	TOC400 Area	TC [%]	ROC [%]	ROC Area	TIC900 Area	TOC400 [%]	TIC900 [%]	TOC400 Factor	TIC900 Factor
27	27	22L0307-17	501.90		CARBON	12/27/2022 4:47 AM	bl	0.727	2 231 317	0.856	0.066	240 251	442 782	0.661	0.128	0.9726	1.0000



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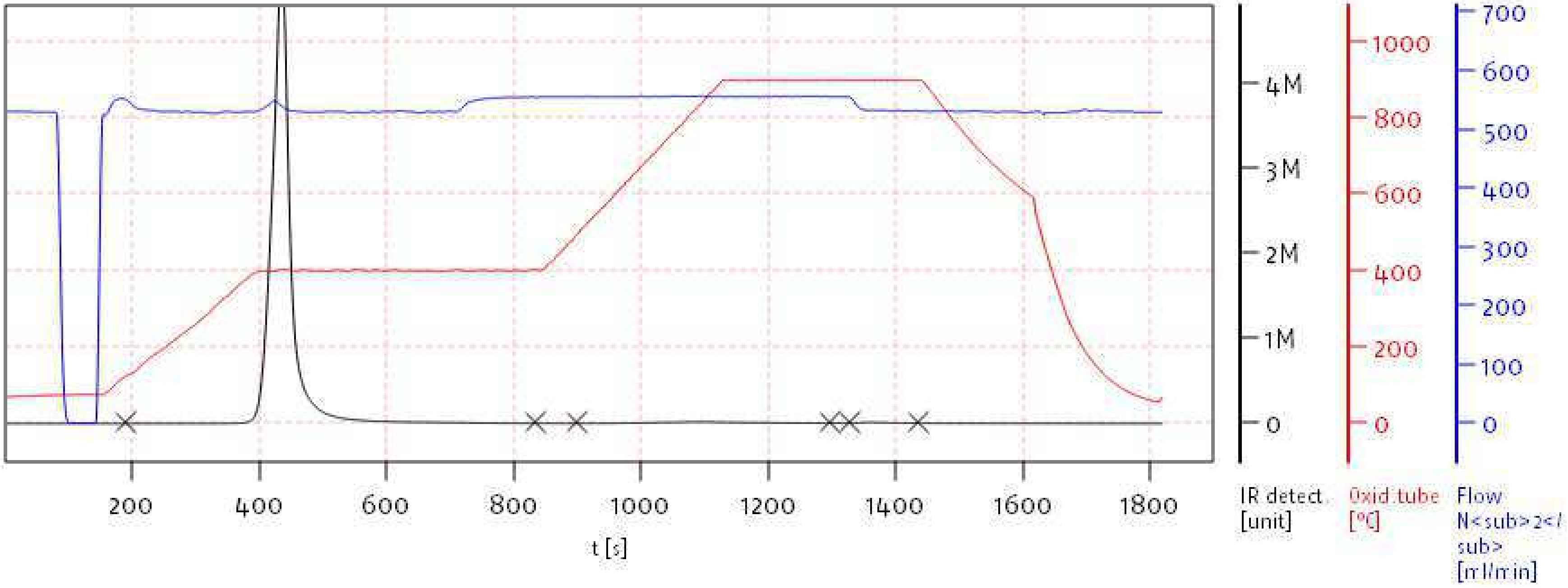
Date: Wed Dec 28 12:26:29 2022

soliTOC V2.0.2 (31015f9) 2018-11-19
Serial No: 0300.181017
Mode CCC

Document: 122622 DOE from: 12/28/2022 12:26 PM

Soli TOC Cube, Carbon
Balance: BAL3
Analyst: DOE

	Pos.	Name	Weight [mg]	Memo	Method	Date Time	Info	TOC [%]	TOC400 Area	TC [%]	ROC [%]	ROC Area	TIC900 Area	TOC400 [%]	TIC900 [%]	TOC400 Factor	TIC900 Factor
28	28	SKL0 300-CCV 2	22.40		CARBON	12/27/2022 5:18 AM	bl	45.464	6 782 079	46.236	0.054	34 331	138 317	45.410	0.773	0.9726	1.0000



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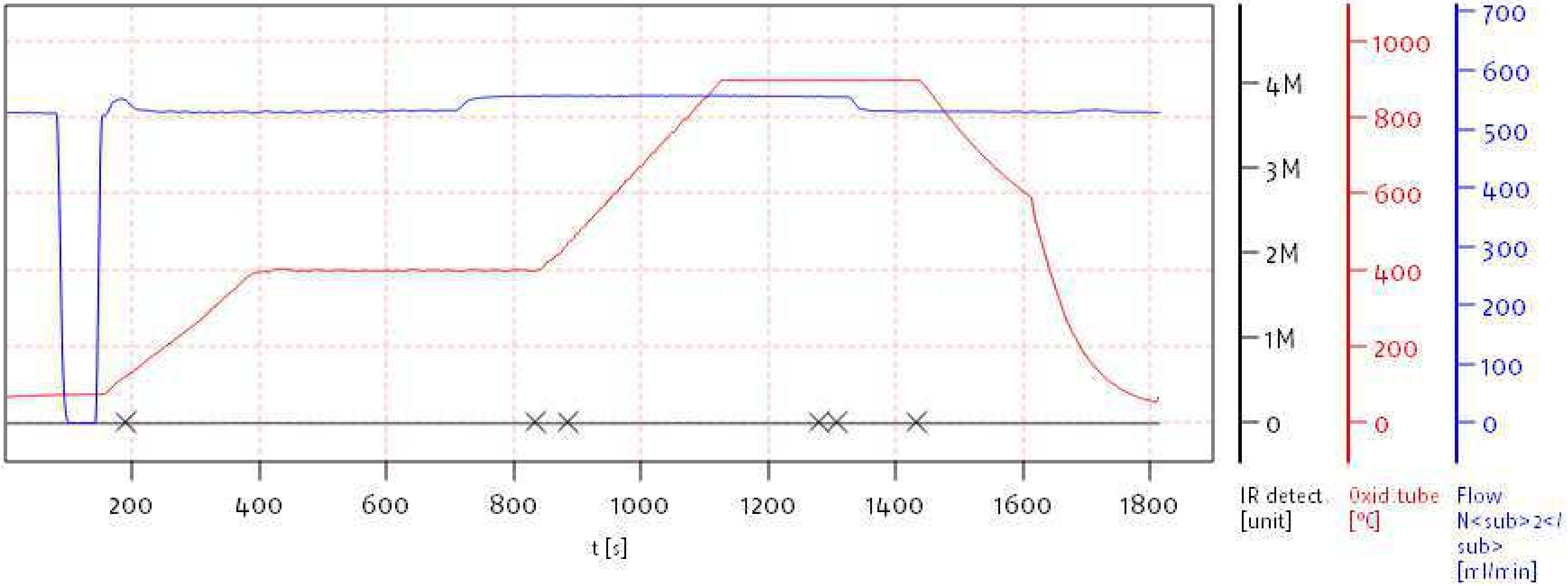
Soli TOC Cube, Carbon
Balance: BAL3
Analyst: DOE

	Pos.	Name	Weight [mg]	Memo	Method	Date Time	Info	TOC [%]	TOC400 Area	TC [%]	ROC [%]	ROC Area	TIC900 Area	TOC400 [%]	TIC900 [%]	TOC400 Factor	TIC900 Factor
29	29	SKL0300-CCB2	514.00		CARBON	12/27/2022 5:48 AM	bl,C2u	0.000	9 681	0.000	0.000	934	3 687	0.000	0.000	0.9726	1.0000



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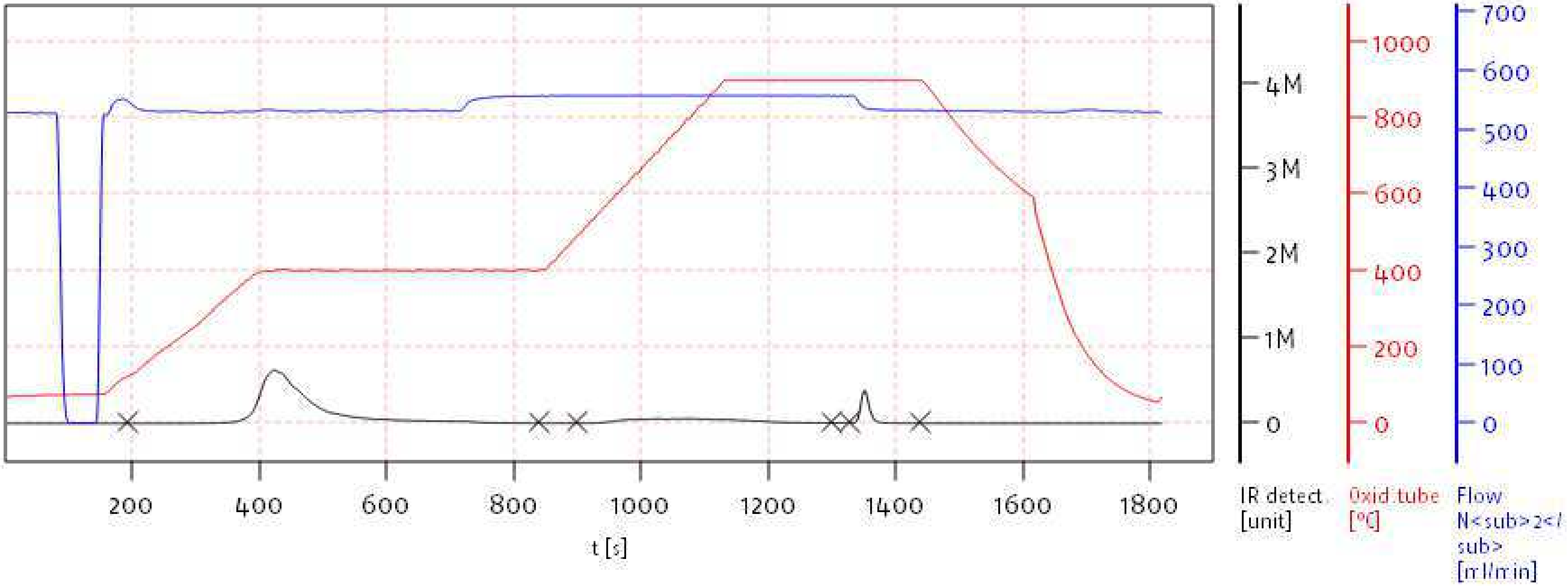
soliTOC V2.0.2 (31015f9) 2018-11-19
Serial No: 0300.181017
Mode CCC

elementar
EXCELLENCE IN ELEMENTS

Soli TOC Cube, Carbon
Balance: BAL3
Analyst: DOE

	Pos.	Name	Weight [mg]	Memo	Method	Date Time	Info	TOC [%]	TOC400 Area	TC [%]	ROC [%]	ROC Area	TIC900 Area	TOC400 [%]	TIC900 [%]	TOC400 Factor	TIC900 Factor
30	30	BKL0573-DUP1	512.00		CARBON	12/27/2022 6:19 AM	bl	0.711	2 227 930	0.839	0.063	235 746	451 134	0.647	0.128	0.9726	1.0000



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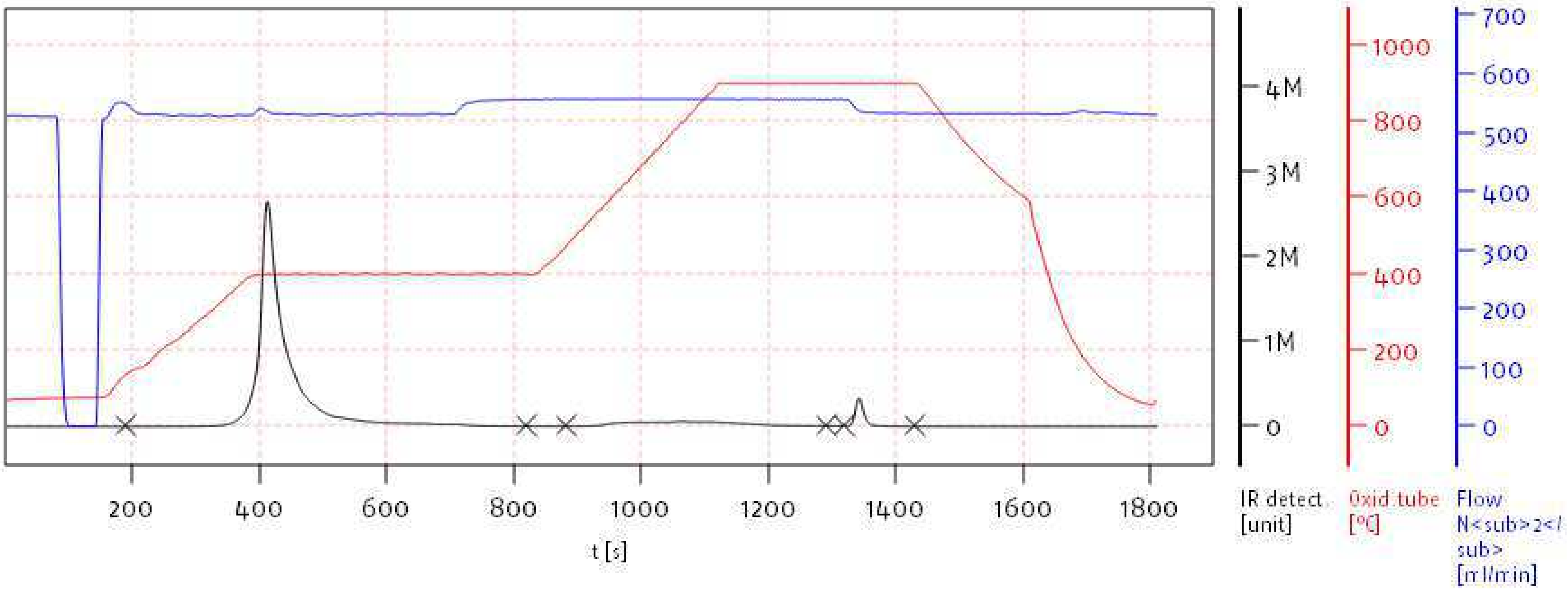
Mode CCC

EXCELLENCE IN ELEMENTS

Soli TOC Cube, Carbon
Balance: BAL3
Analyst: DOE

	Pos.	Name	Weight [mg]	Memo	Method	Date Time	Info	TOC [%]	TOC400 Area	TC [%]	ROC [%]	ROC Area	TIC900 Area	TOC400 [%]	TIC900 [%]	TOC400 Factor	TIC900 Factor
31	31	BKL0573-MS1	507.90	0.0079	CARBON	12/27/2022 6:50 AM	bl	1.440	4 698 699	1.584	0.055	207 029	497 559	1.385	0.144	0.9726	1.0000



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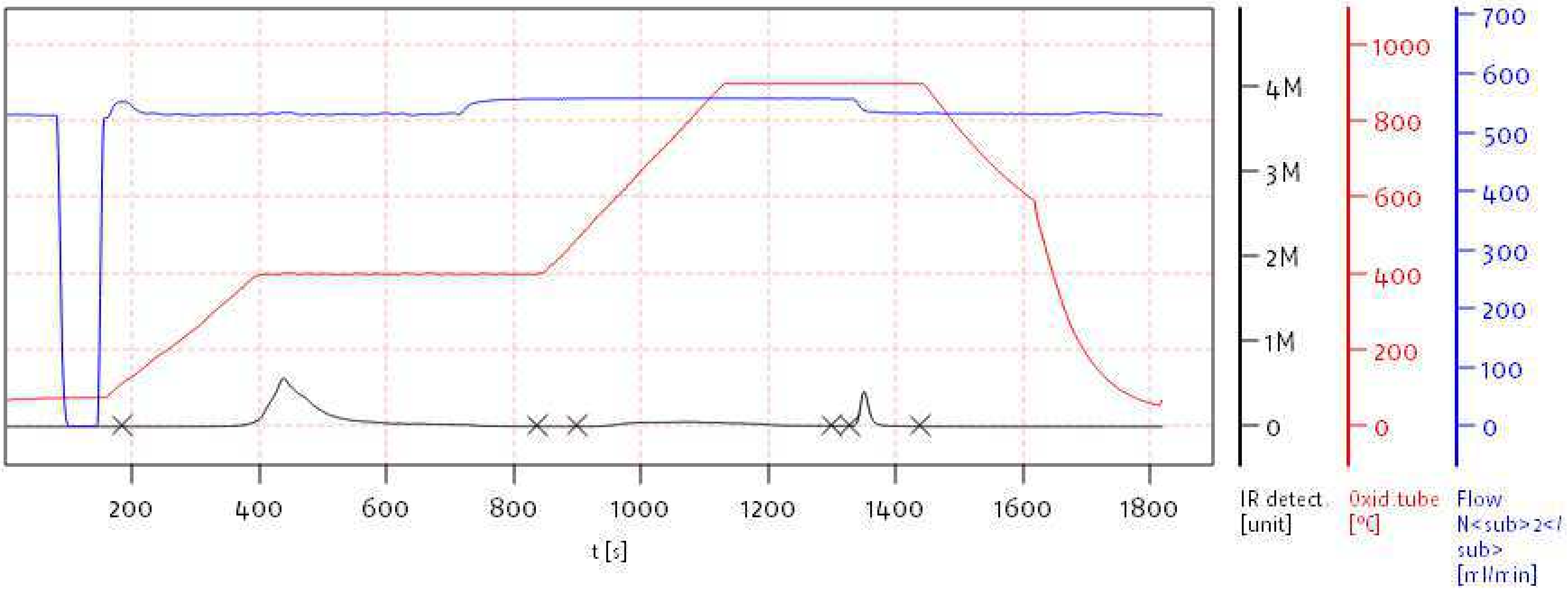
Soli TOC Cube, Carbon
Balance: BAL3
Analyst: DOE

	Pos.	Name	Weight [mg]	Memo	Method	Date Time	Info	TOC [%]	TOC400 Area	TC [%]	ROC [%]	ROC Area	TIC900 Area	TOC400 [%]	TIC900 [%]	TOC400 Factor	TIC900 Factor
32	32	22L0307-18	524.50		CARBON	12/27/2022 7:20 AM	bl	0.587	1 825 060	0.713	0.070	264 849	455 081	0.516	0.126	0.9726	1.0000



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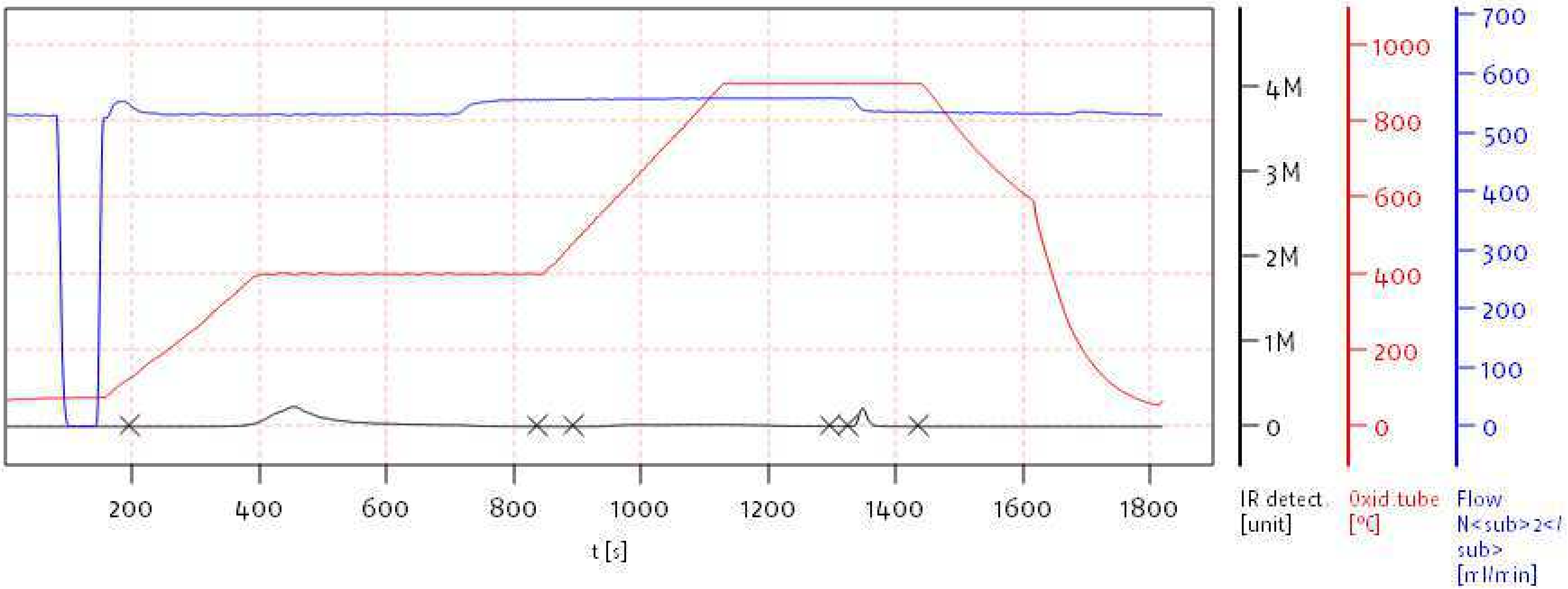
elementar
EXCELLENCE IN ELEMENTS

soliTOC V2.0.2 (31015f9) 2018-11-19
Serial No: 0300.181017
Mode CCC

Soli TOC Cube, Carbon
Balance: BAL3
Analyst: DOE

	Pos.	Name	Weight [mg]	Memo	Method	Date Time	Info	TOC [%]	TOC400 Area	TC [%]	ROC [%]	ROC Area	TIC900 Area	TOC400 [%]	TIC900 [%]	TOC400 Factor	TIC900 Factor
33	33	22L0307-19	544.00		CARBON	12/27/2022 7:51 AM	bl	0.294	983 126	0.347	0.029	130 036	213 230	0.265	0.053	0.9726	1.0000



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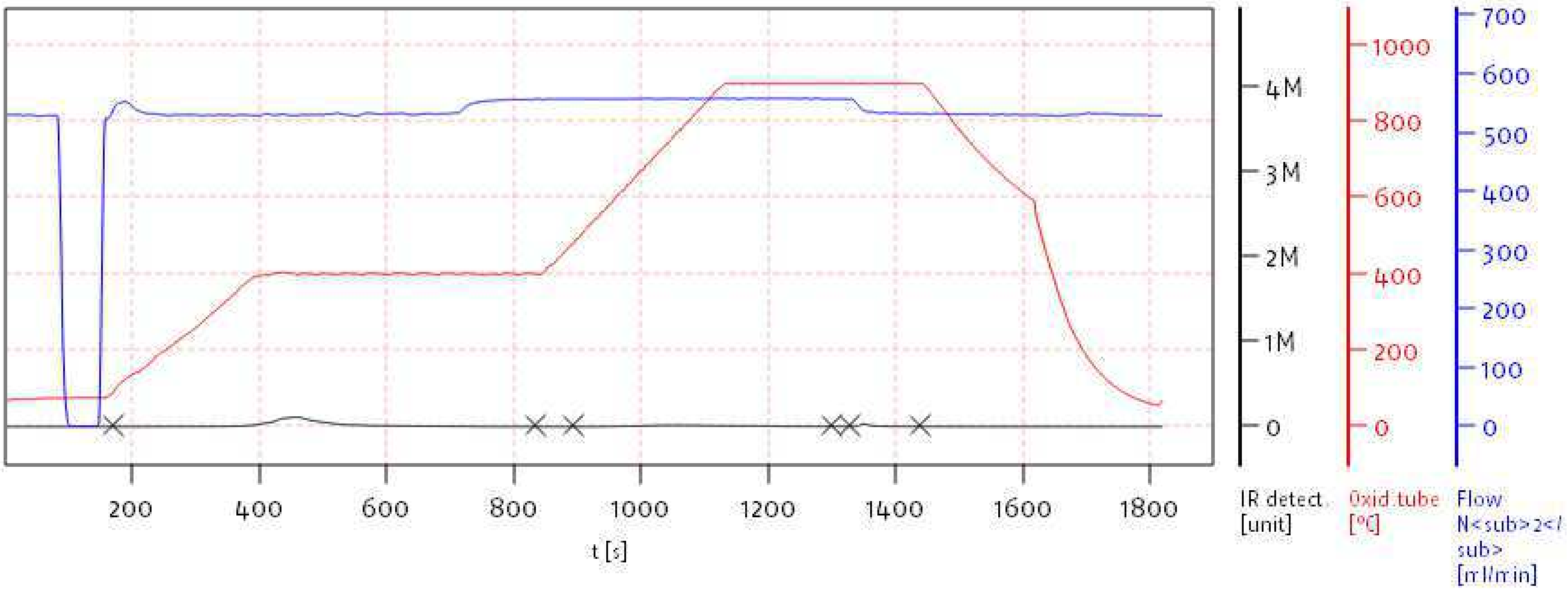
Mode CCC

elementar
EXCELLENCE IN ELEMENTS

Soli TOC Cube, Carbon
Balance: BAL3
Analyst: DOE

	Pos.	Name	Weight [mg]	Memo	Method	Date Time	Info	TOC [%]	TOC400 Area	TC [%]	ROC [%]	ROC Area	TIC900 Area	TOC400 [%]	TIC900 [%]	TOC400 Factor	TIC900 Factor
34	34	22L0307-20	512.40		CARBON	12/27/2022 8:22 AM	bl	0.123	440 387	0.147	0.001	31 230	106 862	0.122	0.024	0.9726	1.0000



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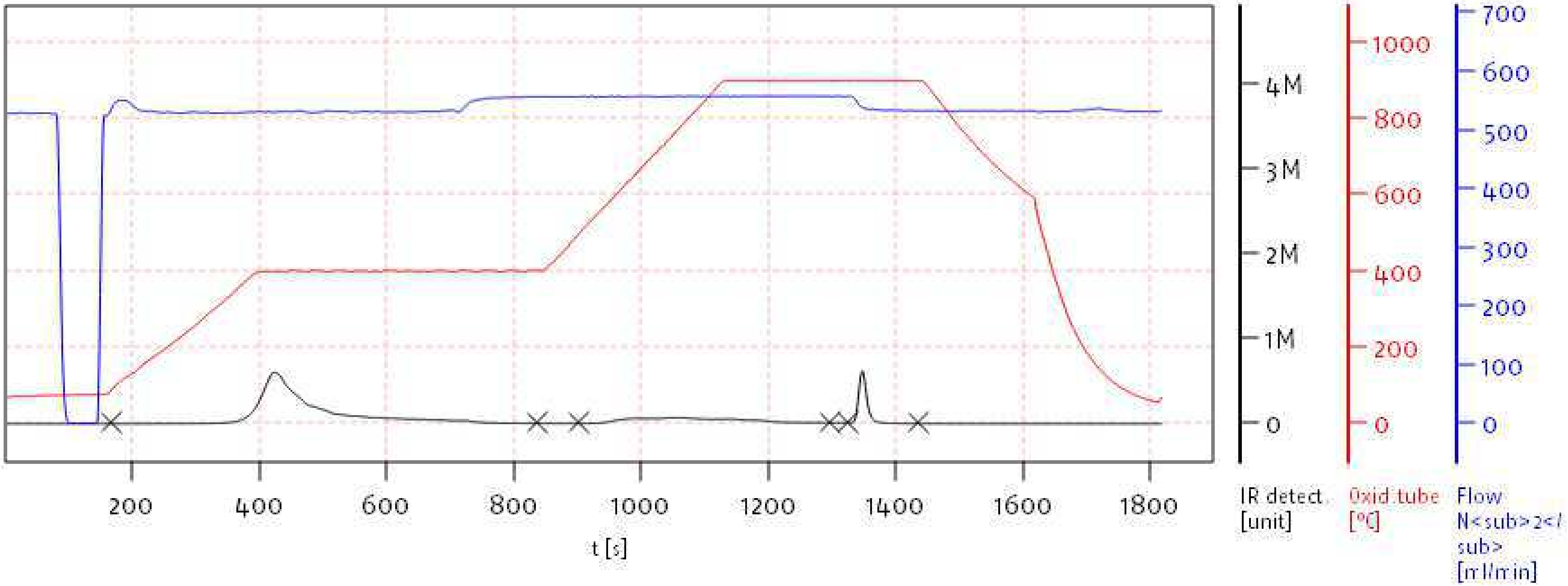
Serial No: 0300.181017
Mode CCC

Soli TOC Cube, Carbon
Balance: BAL3
Analyst: DOE

	Pos.	Name	Weight [mg]	Memo	Method	Date Time	Info	TOC [%]	TOC400 Area	TC [%]	ROC [%]	ROC Area	TIC900 Area	TOC400 [%]	TIC900 [%]	TOC400 Factor	TIC900 Factor
35	35	22L0307-21	516.50		CARBON	12/27/2022 8:53 AM	bl	0.733	2 197 369	0.901	0.100	360 920	586 498	0.633	0.168	0.9726	1.0000



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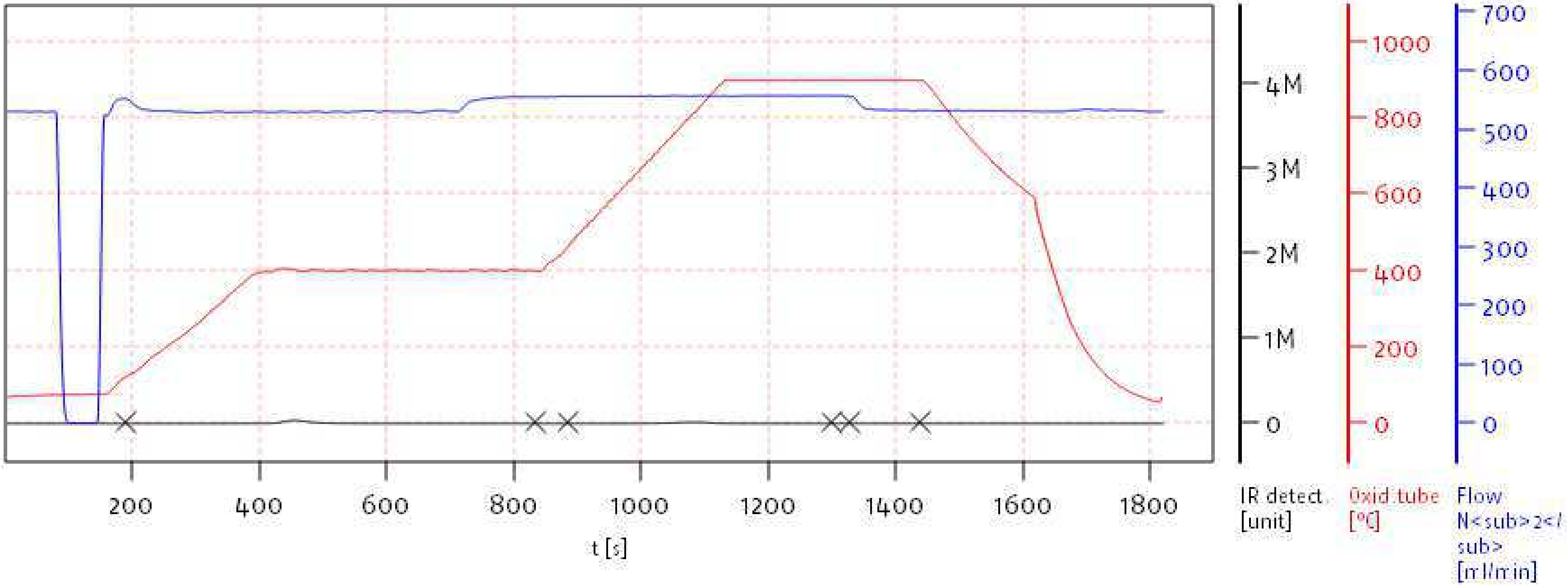
Soli TOC Cube, Carbon
Balance: BAL3
Analyst: DOE

	Pos.	Name	Weight [mg]	Memo	Method	Date Time	Info	TOC [%]	TOC400 Area	TC [%]	ROC [%]	ROC Area	TIC900 Area	TOC400 [%]	TIC900 [%]	TOC400 Factor	TIC900 Factor
36	36	BKL0574-MRL1	549.60		CARBON	12/27/2022 9:23 AM	bl,C2u	0.013	72 753	0.017	0.000	833	40 436	0.013	0.004	0.9726	1.0000



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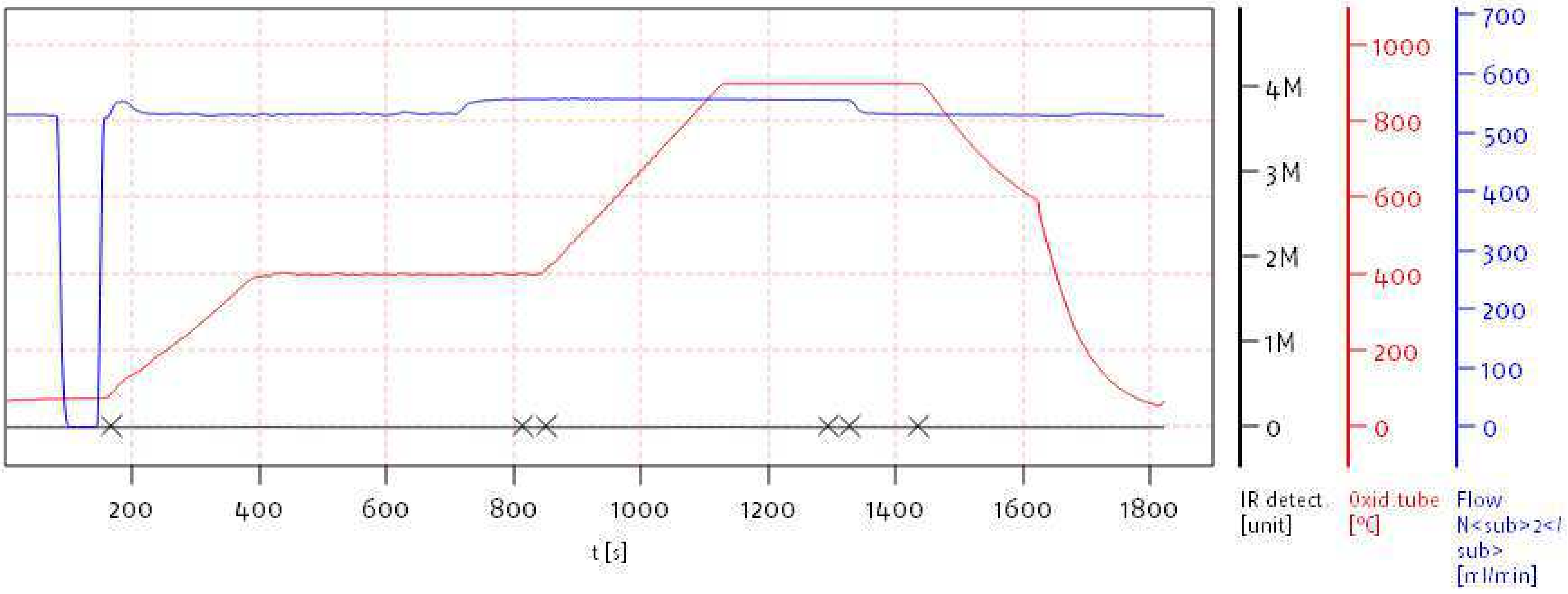
Soli TOC Cube, Carbon

Balance: BAL3
Analyst: DOE

	Pos.	Name	Weight [mg]	Memo	Method	Date Time	Info	TOC [%]	TOC400 Area	TC [%]	ROC [%]	ROC Area	TIC900 Area	TOC400 [%]	TIC900 [%]	TOC400 Factor	TIC900 Factor
37	37	BKL0574-BLK1	528.10		CARBON	12/27/2022 9:54 AM	bl,C2u	0.000	13 670	0.000	0.000	2 010	18 188	0.000	0.000	0.9726	1.0000



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soliTOC V2.0.2 (31015f9) 2018-11-19
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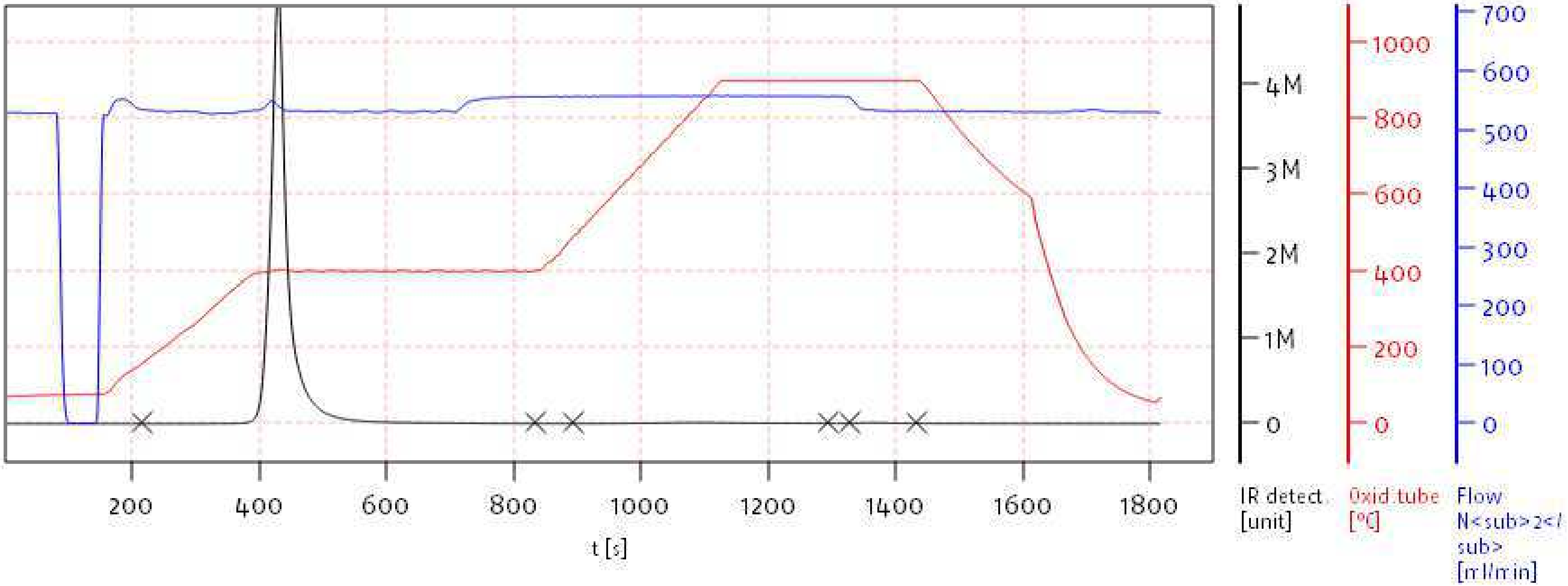
Mode CCC

elementar
EXCELLENCE IN ELEMENTS

Soli TOC Cube, Carbon
Balance: BAL3
Analyst: DOE

	Pos.	Name	Weight [mg]	Memo	Method	Date Time	Info	TOC [%]	TOC400 Area	TC [%]	ROC [%]	ROC Area	TIC900 Area	TOC400 [%]	TIC900 [%]	TOC400 Factor	TIC900 Factor
38	38	BKL0574-BS1	20.00		CARBON	12/27/2022 10:25 AM	bl	44.651	5 956 535	45.220	0.007	27 460	100 119	44.644	0.570	0.9726	1.0000



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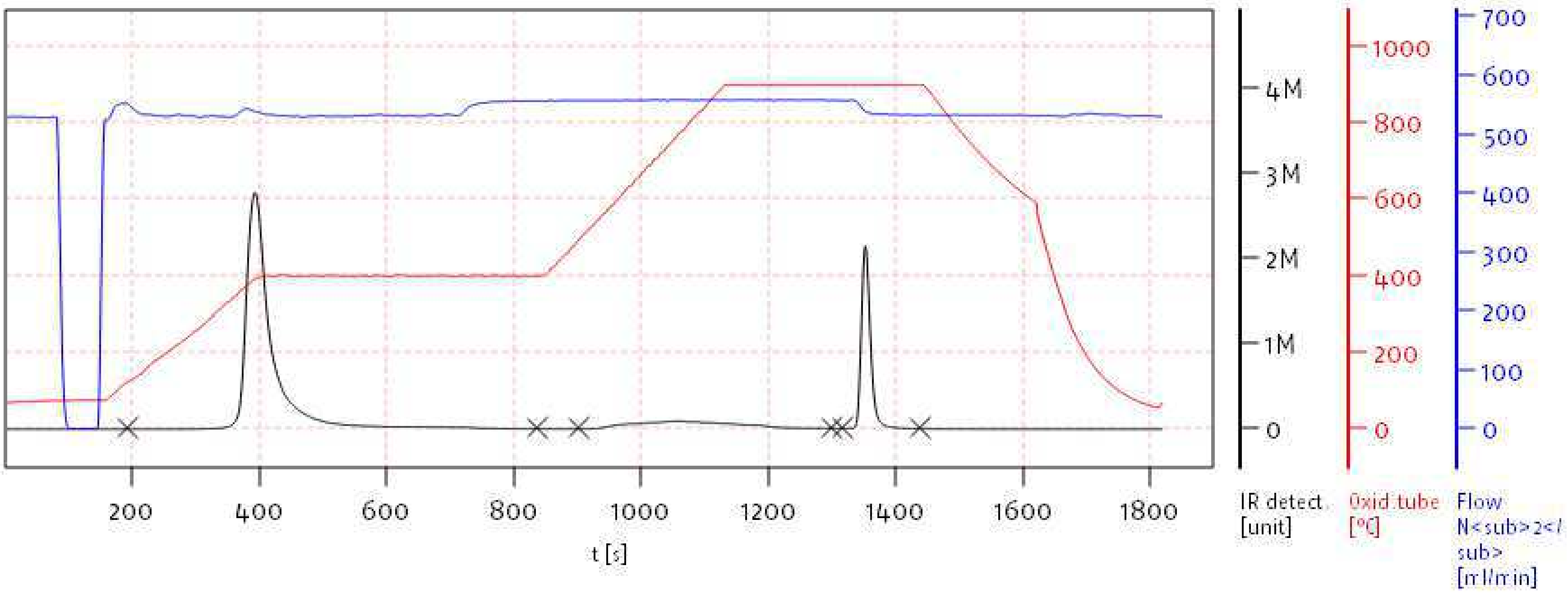
Mode CCC

Soli TOC Cube, Carbon
Balance: BAL3
Analyst: DOE

	Pos.	Name	Weight [mg]	Memo	Method	Date Time	Info	TOC [%]	TOC400 Area	TC [%]	ROC [%]	ROC Area	TIC900 Area	TOC400 [%]	TIC900 [%]	TOC400 Factor	TIC900 Factor
39	39	BKL0574-SRM1	300.70		CARBON	12/27/2022 10:55 AM	bl	3.032	4 715 134	3.378	0.685	1 356 200	698 648	2.348	0.346	0.9726	1.0000



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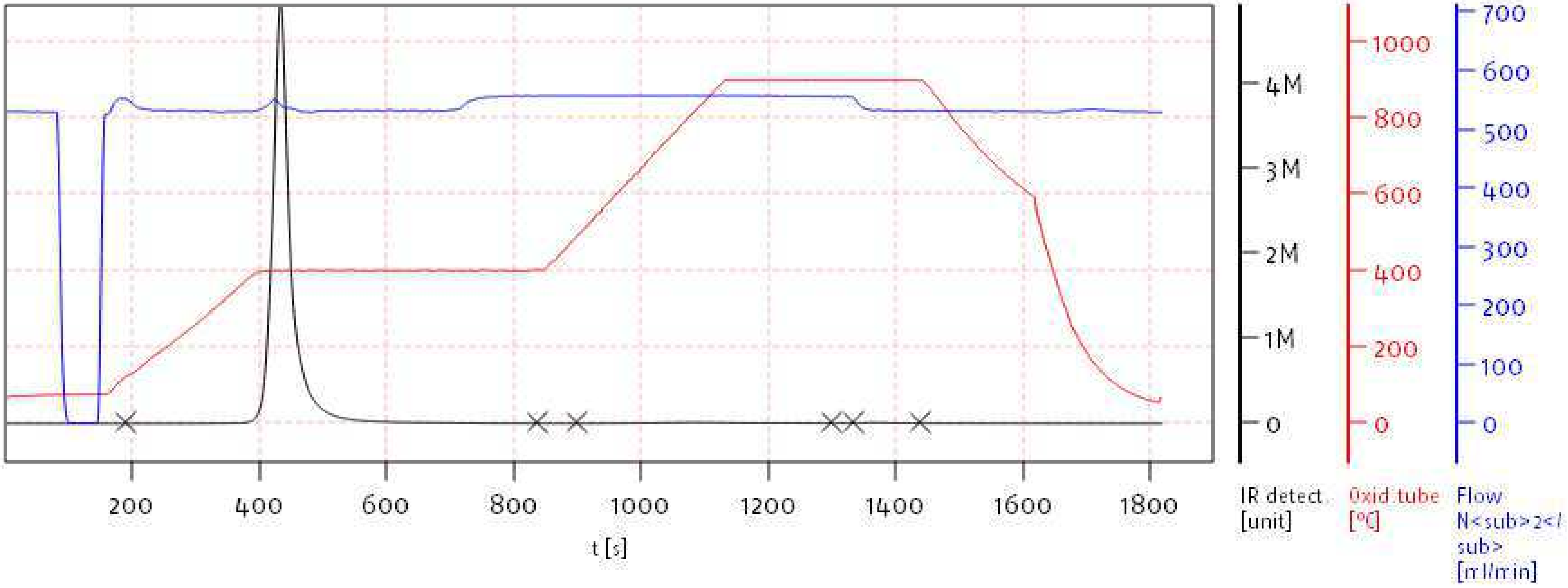
Soli TOC Cube, Carbon
Balance: BAL3
Analyst: DOE

	Pos.	Name	Weight [mg]	Memo	Method	Date Time	Info	TOC [%]	TOC400 Area	TC [%]	ROC [%]	ROC Area	TIC900 Area	TOC400 [%]	TIC900 [%]	TOC400 Factor	TIC900 Factor
40	40	SKL0 300-CCV 3	20.50		CARBON	12/27/2022 11:26 AM	bl	45.441	6 213 306	45.962	0.000	25 888	95 593	45.441	0.521	0.9726	1.0000



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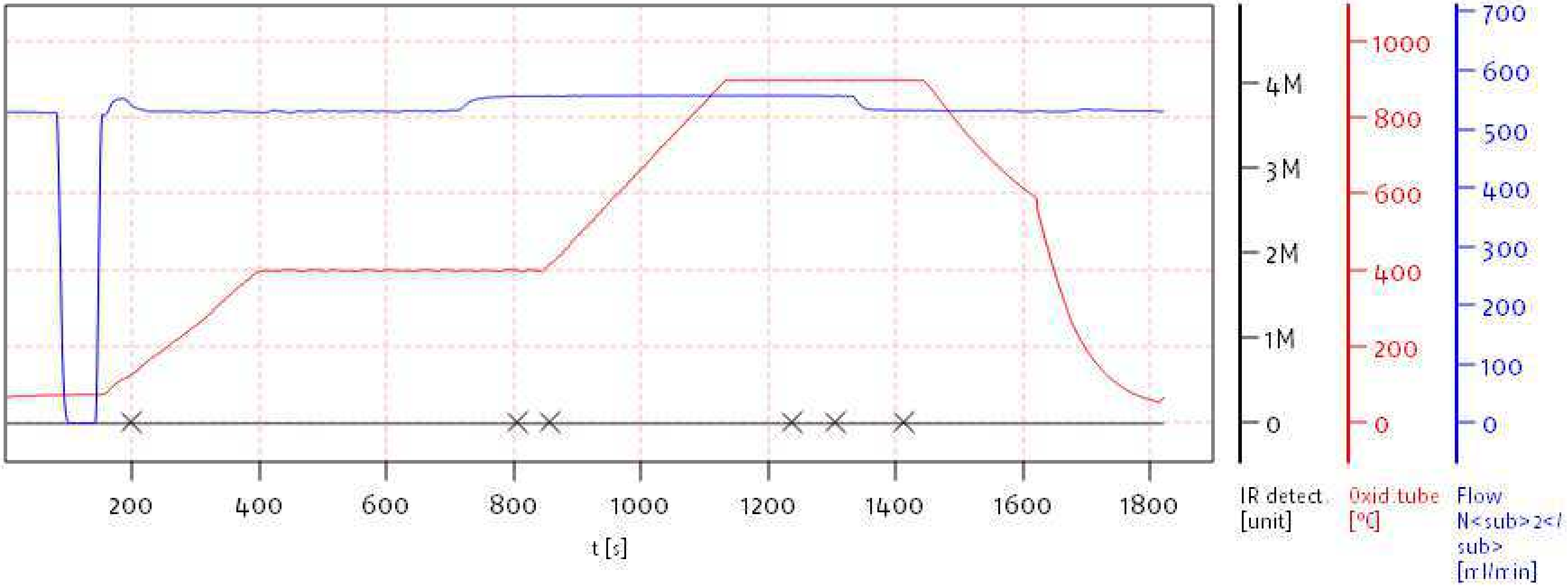
Soli TOC Cube, Carbon
Balance: BAL3
Analyst: DOE

	Pos.	Name	Weight [mg]	Memo	Method	Date Time	Info	TOC [%]	TOC400 Area	TC [%]	ROC [%]	ROC Area	TIC900 Area	TOC400 [%]	TIC900 [%]	TOC400 Factor	TIC900 Factor
41	41	SKL0300-CCB3	524.50		CARBON	12/27/2022 11:57 AM	bl,C3u,C2u	0.000	6 033	0.000	0.000	878	569	0.000	0.000	0.9726	1.0000



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soliTOC V2.0.2 (31015f9) 2018-11-19
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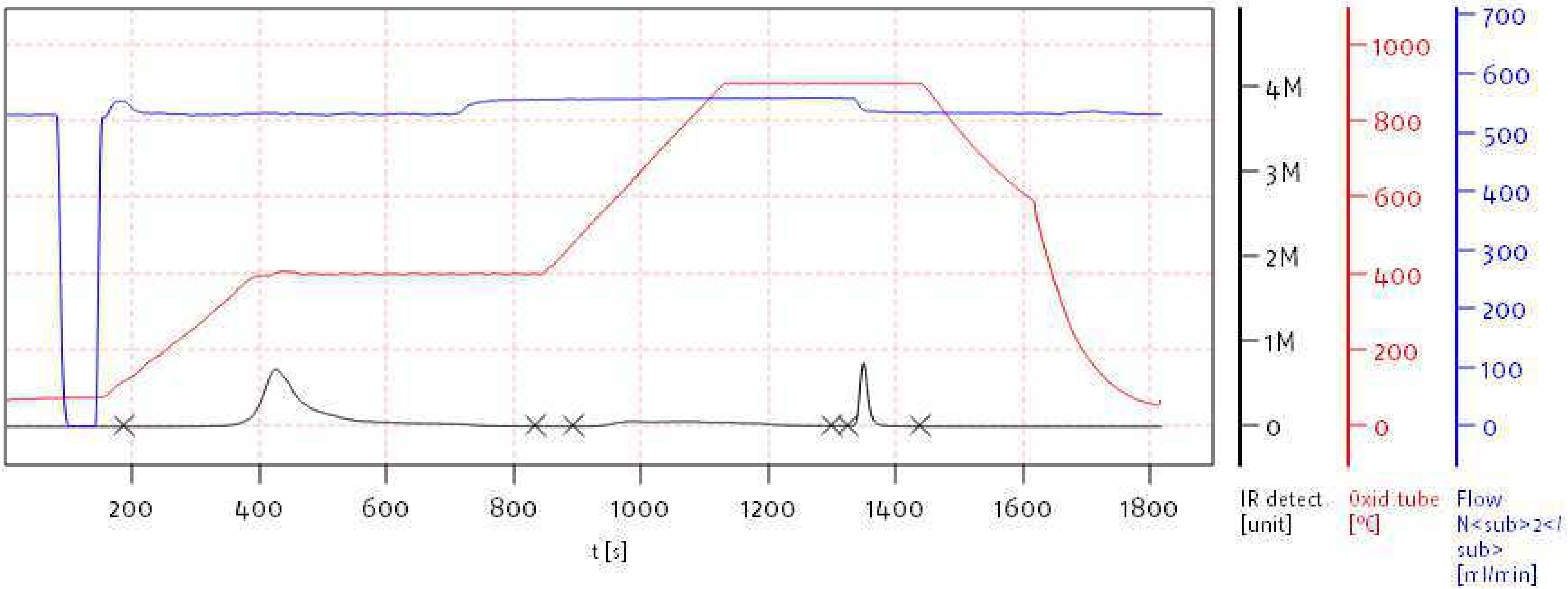
Mode CCC

elementar
EXCELLENCE IN ELEMENTS

Soli TOC Cube, Carbon
Balance: BAL3
Analyst: DOE

	Pos.	Name	Weight [mg]	Memo	Method	Date Time	Info	TOC [%]	TOC400 Area	TC [%]	ROC [%]	ROC Area	TIC900 Area	TOC400 [%]	TIC900 [%]	TOC400 Factor	TIC900 Factor
42	42	22L0307-22	528.40		CARBON	12/27/2022 12:28 PM	bl	0.740	2 208 073	0.889	0.119	432 184	531 823	0.622	0.148	0.9726	1.0000



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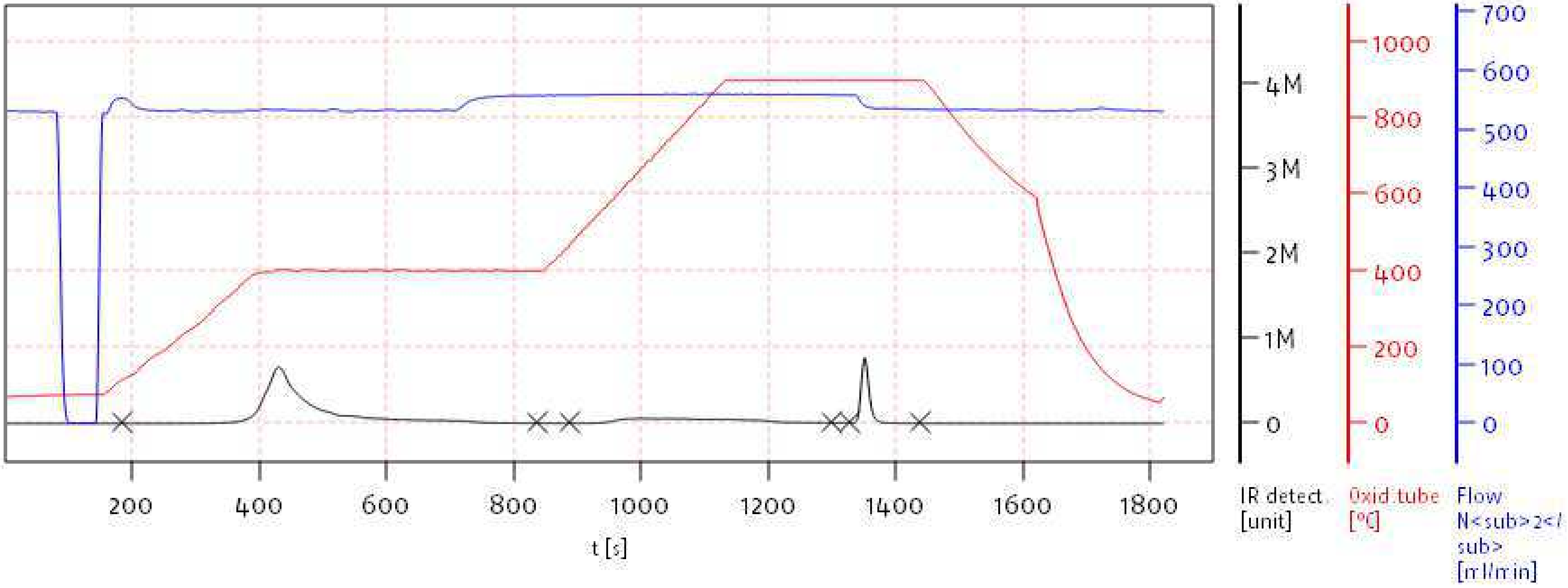
Mode CCC

Soli TOC Cube, Carbon
Balance: BAL3
Analyst: DOE

	Pos.	Name	Weight [mg]	Memo	Method	Date Time	Info	TOC [%]	TOC400 Area	TC [%]	ROC [%]	ROC Area	TIC900 Area	TOC400 [%]	TIC900 [%]	TOC400 Factor	TIC900 Factor
43	43	BKL0574-DUP1	507.80		CARBON	12/27/2022 12:58 PM	bl	0.732	2 079 925	0.883	0.124	431 715	521 095	0.609	0.151	0.9726	1.0000



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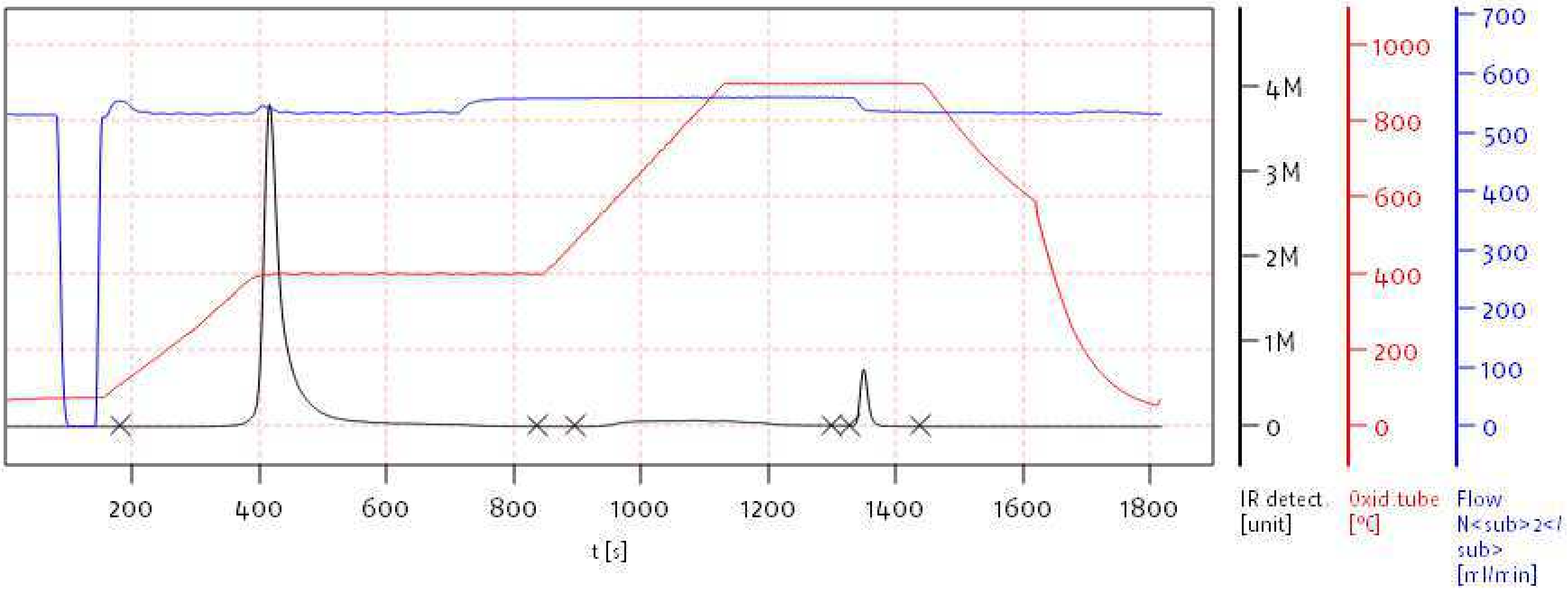
Mode CCC

Soli TOC Cube, Carbon
Balance: BAL3
Analyst: DOE

	Pos.	Name	Weight [mg]	Memo	Method	Date Time	Info	TOC [%]	TOC400 Area	TC [%]	ROC [%]	ROC Area	TIC900 Area	TOC400 [%]	TIC900 [%]	TOC400 Factor	TIC900 Factor
44	44	BKL0574-MS1	559.60	0.0086	CARBON	12/27/2022 1:29 PM	bl	1.474	5 140 516	1.641	0.098	380 568	630 776	1.376	0.167	0.9726	1.0000



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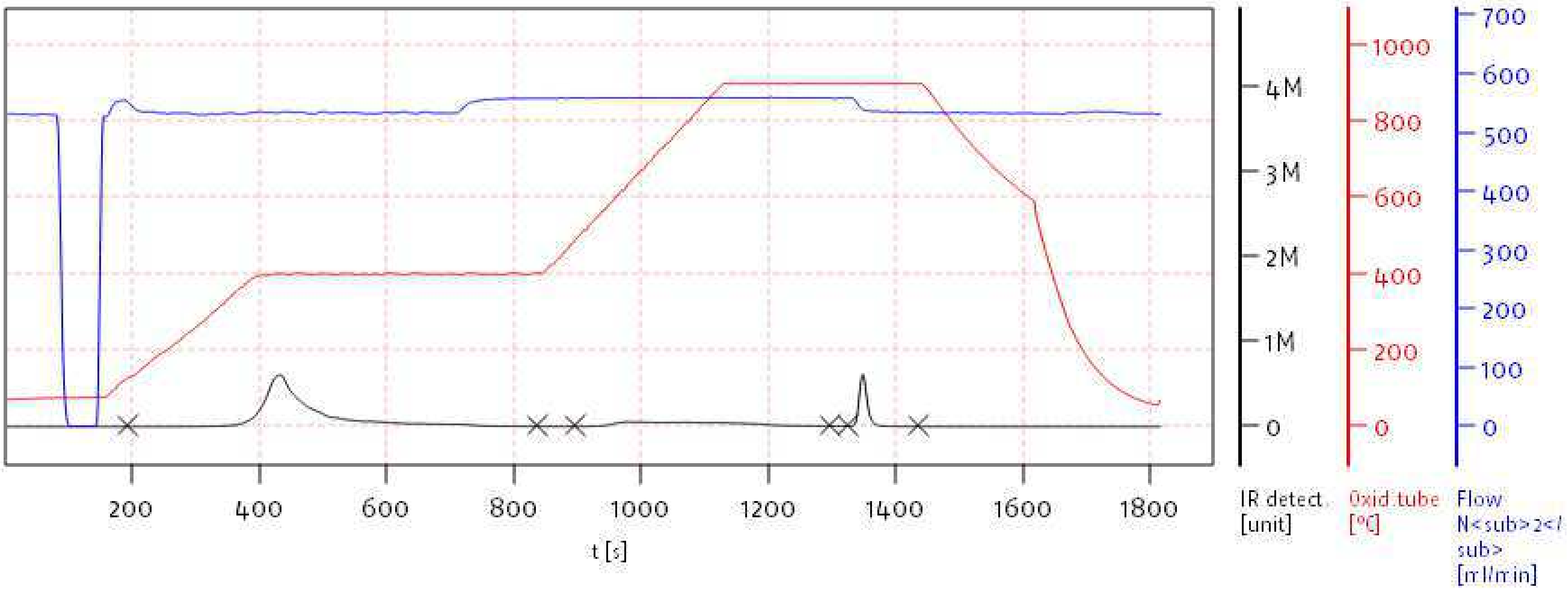
EXCELLENCE IN ELEMENTS

Soli TOC Cube, Carbon
Balance: BAL3
Analyst: DOE

	Pos.	Name	Weight [mg]	Memo	Method	Date Time	Info	TOC [%]	TOC400 Area	TC [%]	ROC [%]	ROC Area	TIC900 Area	TOC400 [%]	TIC900 [%]	TOC400 Factor	TIC900 Factor
45	45	22L0307-23	531.00		CARBON	12/27/2022 2:00 PM	bl	0.642	1 962 030	0.771	0.093	344 932	470 390	0.549	0.129	0.9726	1.0000



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Access: soliTOC superuser

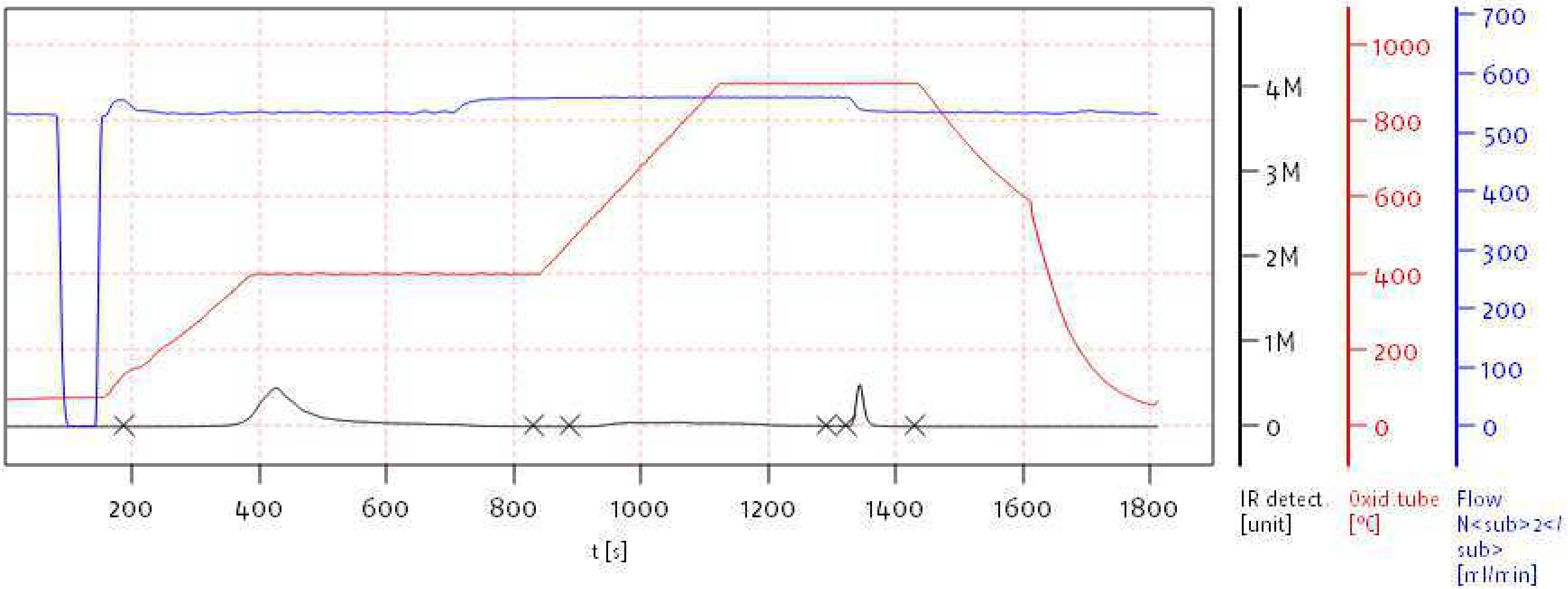
Date: Wed Dec 28 12:26:29 2022

soliTOC V2.0.2 (31015f9) 2018-11-19
Serial No: 0300.181017
Mode CCC

elementar
EXCELLENCE IN ELEMENTS

Soli TOC Cube, Carbon
Balance: BAL3
Analyst: DOE

	Pos.	Name	Weight [mg]	Memo	Method	Date Time	Info	TOC [%]	TOC400 Area	TC [%]	ROC [%]	ROC Area	TIC900 Area	TOC400 [%]	TIC900 [%]	TOC400 Factor	TIC900 Factor
46	46	22L0307-24	505.90		CARBON	12/27/2022 2:30 PM	bl	0.561	1 649 130	0.687	0.078	281 436	437 596	0.483	0.126	0.9726	1.0000



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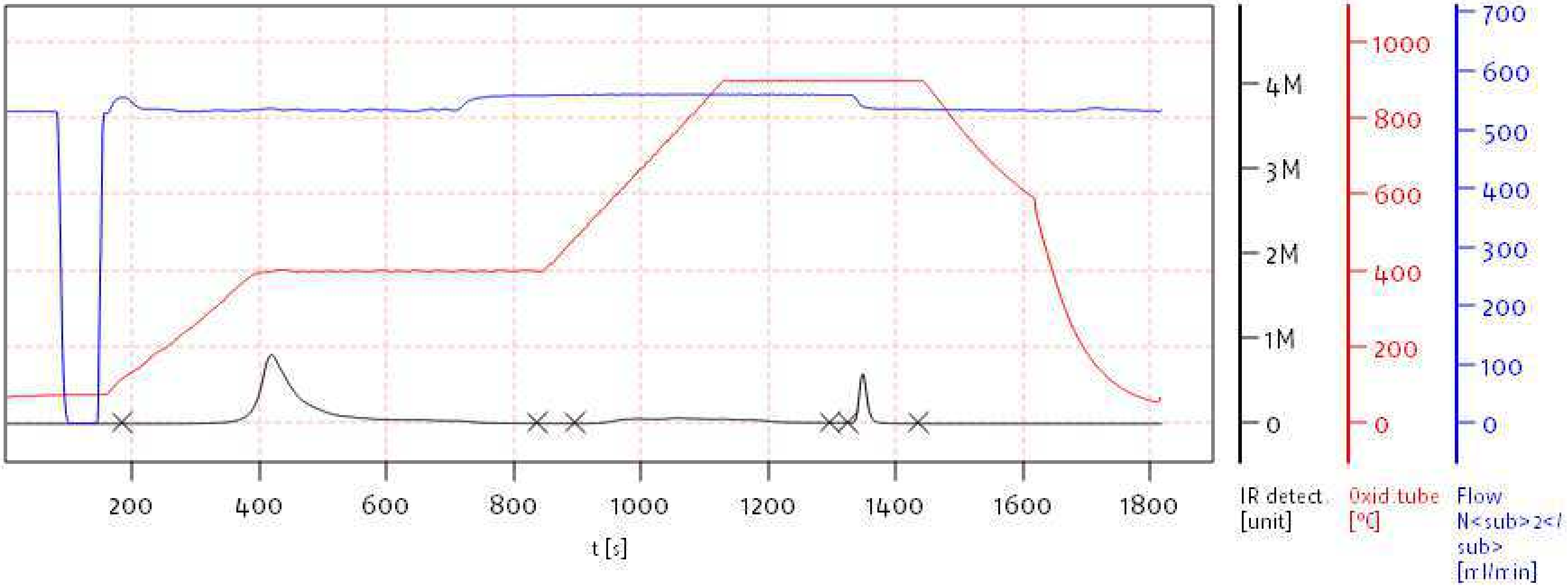
Serial No: 0300.181017
Mode CCC

EXCELLENCE IN ELEMENTS

Soli TOC Cube, Carbon
Balance: BAL3
Analyst: DOE

	Pos.	Name	Weight [mg]	Memo	Method	Date Time	Info	TOC [%]	TOC400 Area	TC [%]	ROC [%]	ROC Area	TIC900 Area	TOC400 [%]	TIC900 [%]	TOC400 Factor	TIC900 Factor
47	47	22L0307-25	528.10		CARBON	12/27/2022 3:01 PM	bl	0.768	2 406 166	0.923	0.090	333 231	554 189	0.678	0.155	0.9726	1.0000



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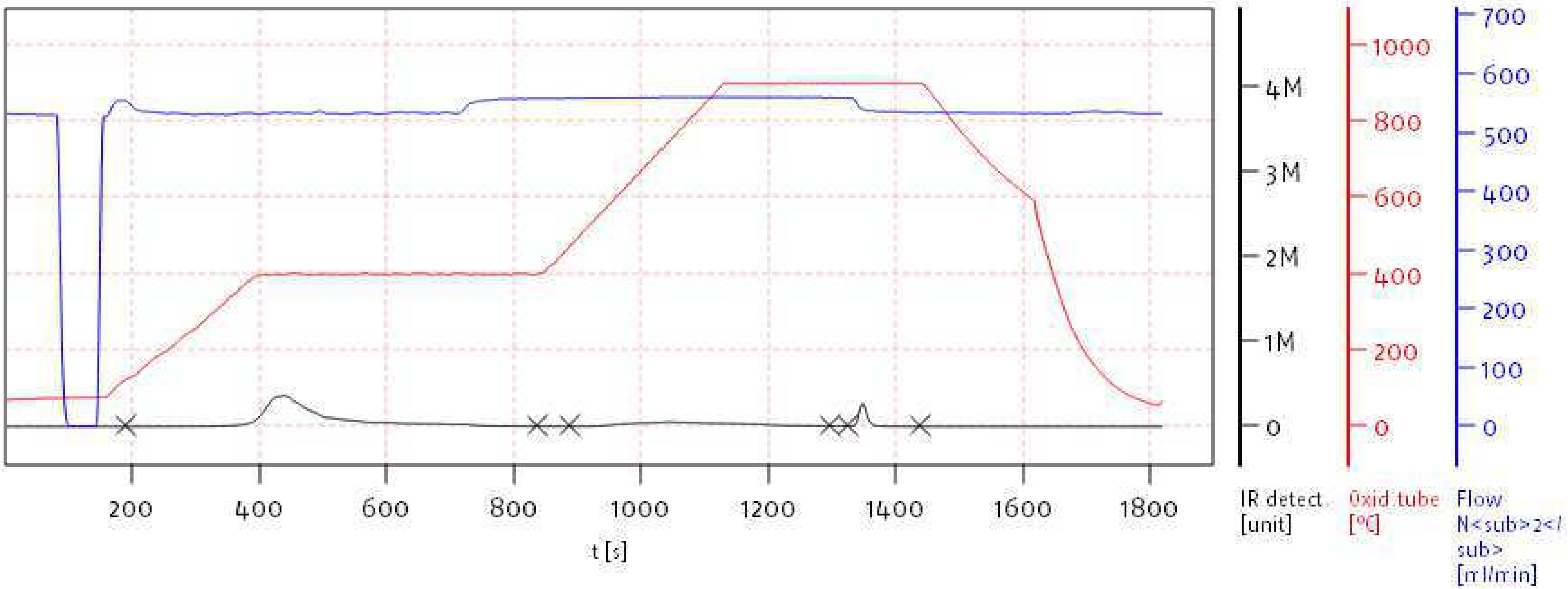
soliTOC V2.0.2 (31015f9) 2018-11-19
Serial No: 0300.181017
Mode CCC

Soli TOC Cube, Carbon

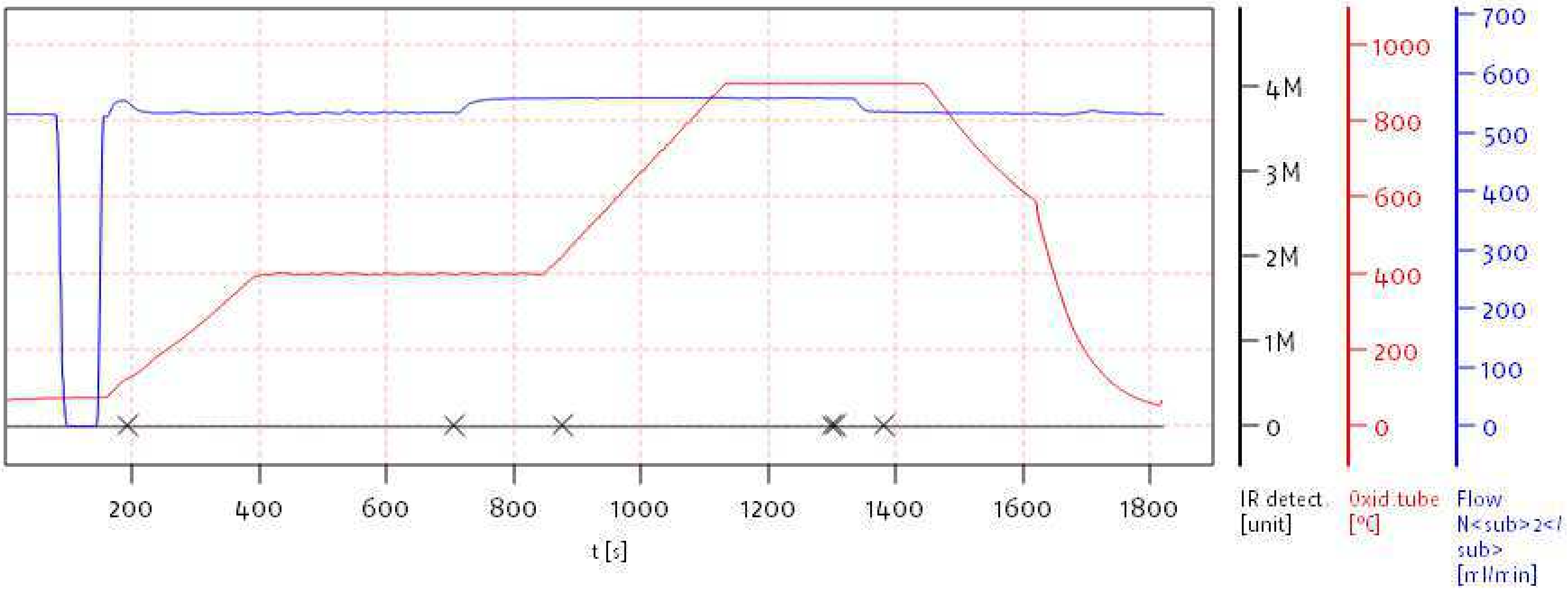
Balance: BAL3

Analyst: DOE

	Pos.	Name	Weight [mg]	Memo	Method	Date Time	Info	TOC [%]	TOC400 Area	TC [%]	ROC [%]	ROC Area	TIC900 Area	TOC400 [%]	TIC900 [%]	TOC400 Factor	TIC900 Factor
48	48	22L0307-26	646.10		CARBON	12/27/2022 3:32 PM	bl	0.373	1 492 082	0.465	0.031	156 264	413 458	0.342	0.093	0.9726	1.0000



	Pos.	Name	Weight [mg]	Memo	Method	Date Time	Info	TOC [%]	TOC400 Area	TC [%]	ROC [%]	ROC Area	TIC900 Area	TOC400 [%]	TIC900 [%]	TOC400 Factor	TIC900 Factor
49	49	BLANK	1.00		CARBON	12/27/2022 4:02 PM	bl	0.000	8 261	0.000	0.000	279	6 110	0.000	0.000	0.9726	1.0000



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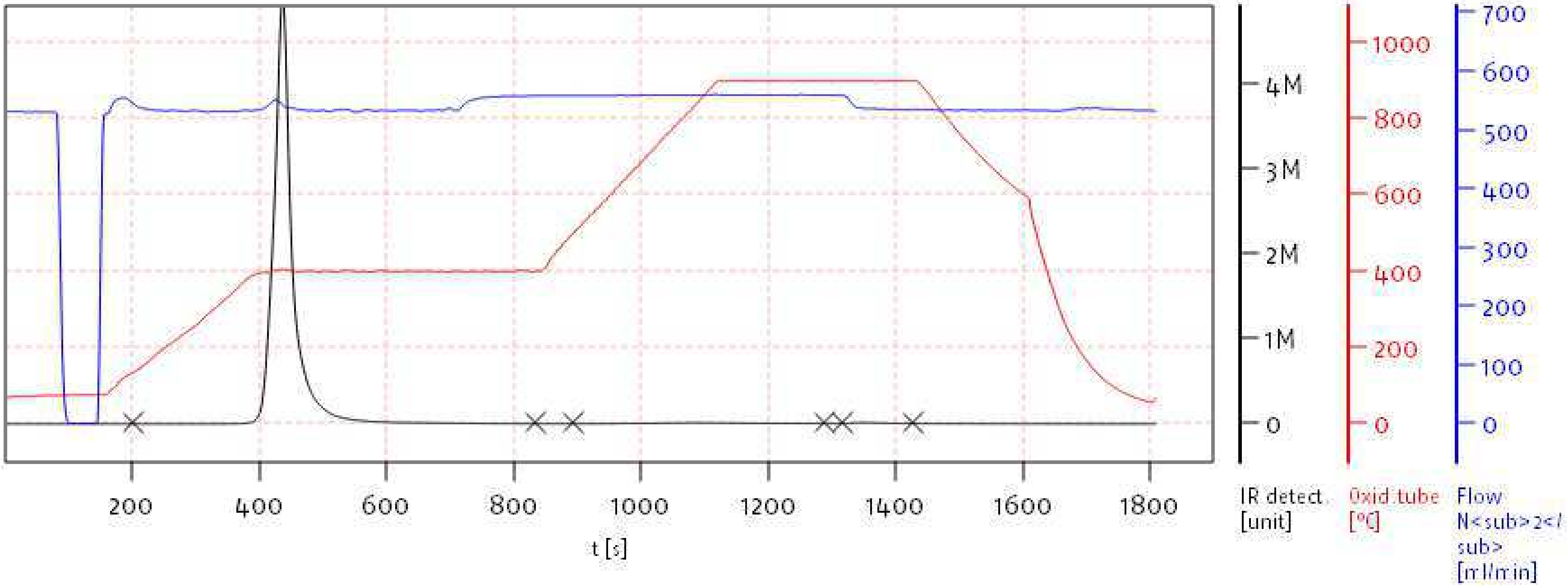
Soli TOC Cube, Carbon
Balance: BAL3
Analyst: DOE

	Pos.	Name	Weight [mg]	Memo	Method	Date Time	Info	TOC [%]	TOC400 Area	TC [%]	ROC [%]	ROC Area	TIC900 Area	TOC400 [%]	TIC900 [%]	TOC400 Factor	TIC900 Factor
50	50	Dfactor	21.30		CARBON	12/27/2022 4:33 PM	bl	44.504	6 367 910	45.007	0.059	34 622	95 741	44.446	0.503	0.9644	1.0000



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Balance: BAL3
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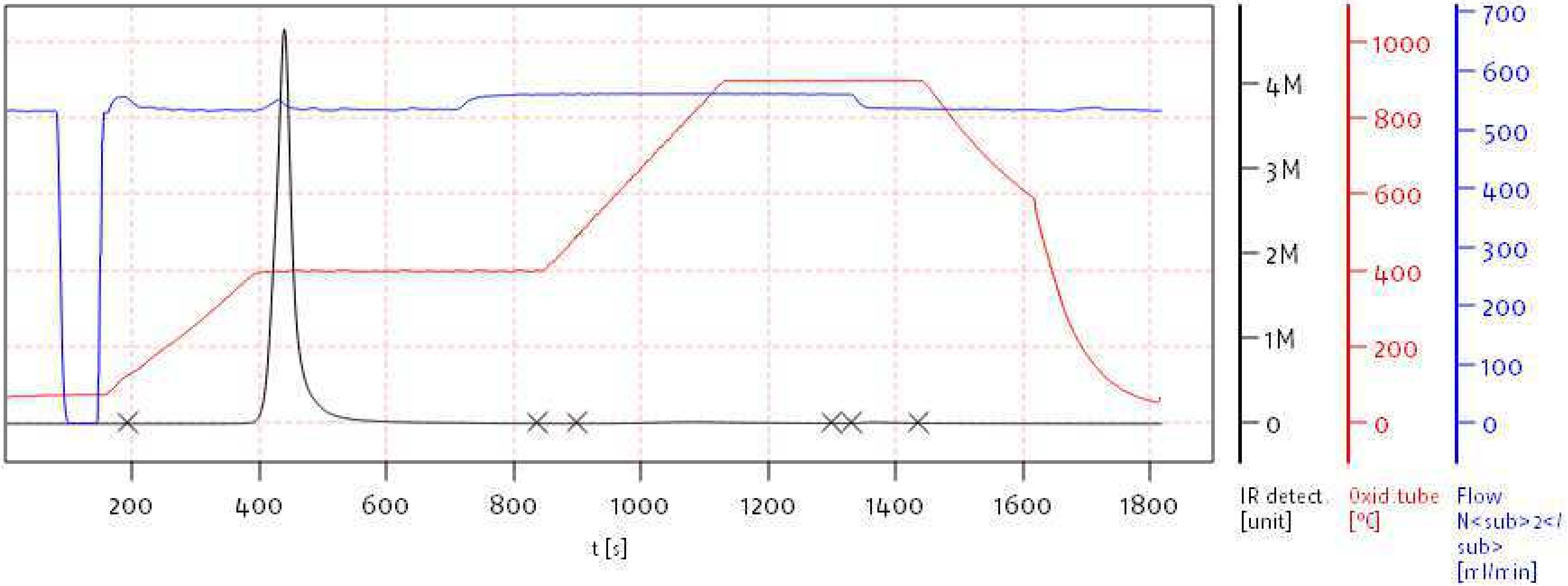
	Pos.	Name	Weight [mg]	Memo	Method	Date Time	Info	TOC [%]	TOC400 Area	TC [%]	ROC [%]	ROC Area	TIC900 Area	TOC400 [%]	TIC900 [%]	TOC400 Factor	TIC900 Factor
51	51	Dfactor	20.00		CARBON	12/27/2022 5:04 PM	bl	44.549	5 894 218	45.481	0.104	39 909	146 920	44.446	0.932	0.9786	1.0000



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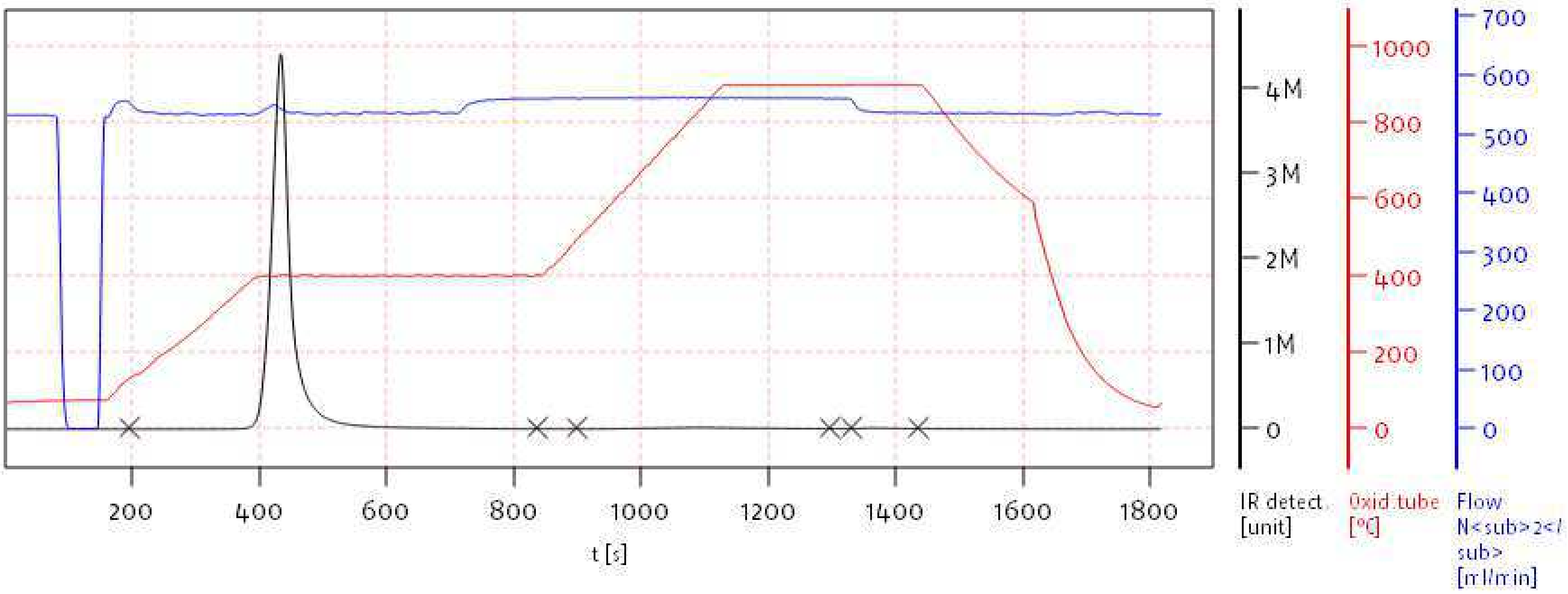
Soli TOC Cube, Carbon
Balance: BAL3
Analyst: DOE

	Pos.	Name	Weight [mg]	Memo	Method	Date Time	Info	TOC [%]	TOC400 Area	TC [%]	ROC [%]	ROC Area	TIC900 Area	TOC400 [%]	TIC900 [%]	TOC400 Factor	TIC900 Factor
52	52	SKL0300-CCV4	20.00		CARBON	12/27/2022 5:34 PM	bl	44.138	5 888 972	45.009	0.055	33 669	139 131	44.083	0.872	0.9715	1.0000



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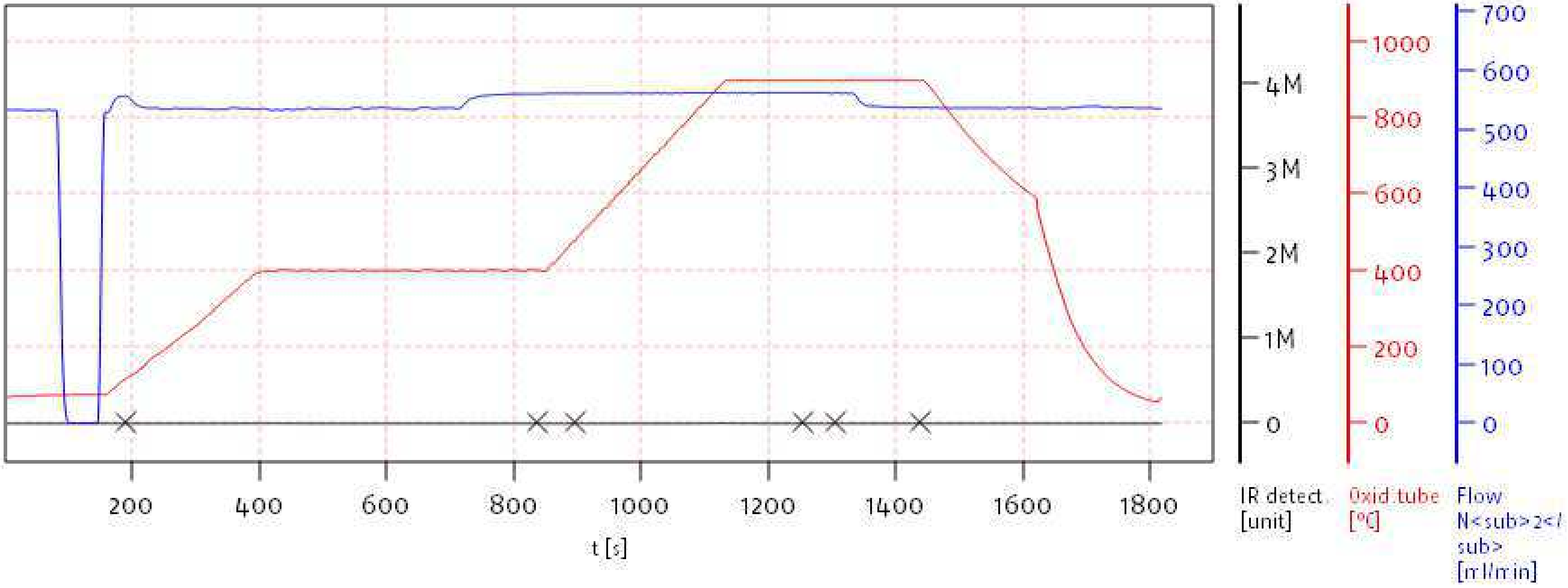
Soli TOC Cube, Carbon
Balance: BAL3
Analyst: DOE

	Pos.	Name	Weight [mg]	Memo	Method	Date Time	Info	TOC [%]	TOC400 Area	TC [%]	ROC [%]	ROC Area	TIC900 Area	TOC400 [%]	TIC900 [%]	TOC400 Factor	TIC900 Factor
53	53	SKL0300-CCB4	505.10		CARBON	12/27/2022 6:05 PM	bl,C2u	0.000	8 724	0.000	0.000	1 241	8 208	0.000	0.000	0.9715	1.0000



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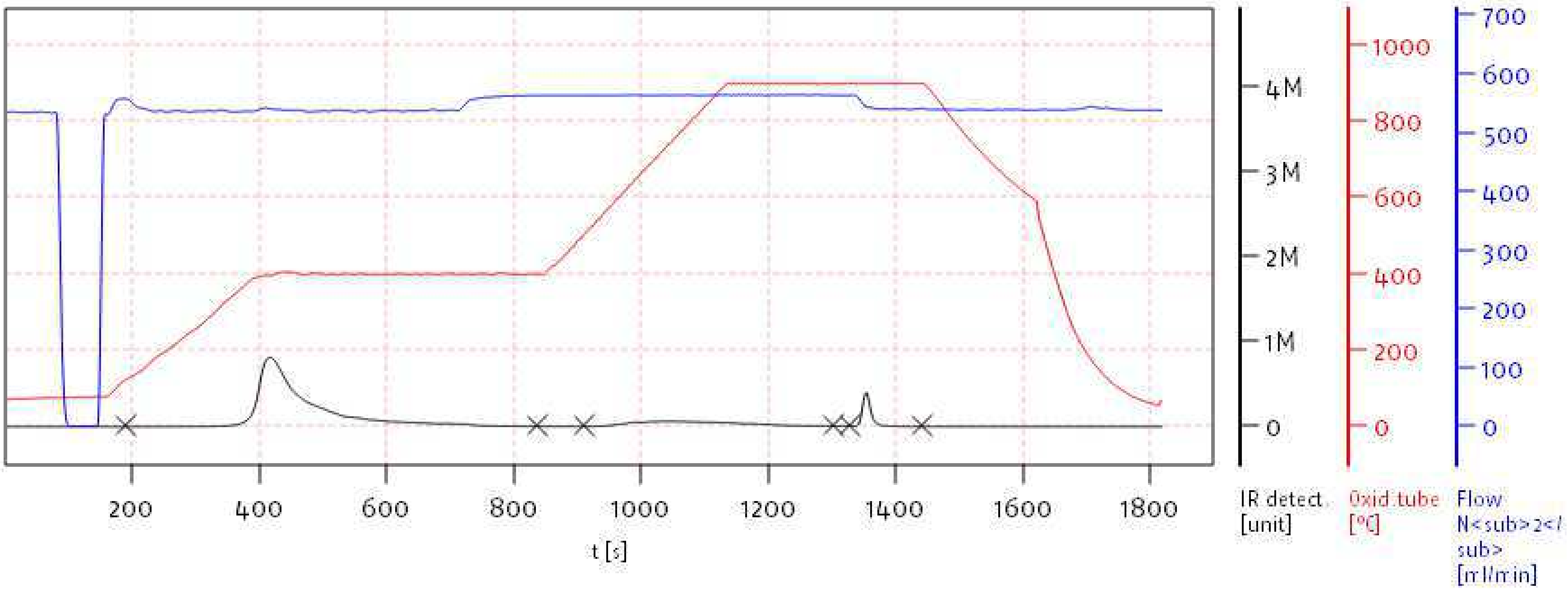
Balance: BAL3
Analyst: DOE

	Pos.	Name	Weight [mg]	Memo	Method	Date Time	Info	TOC [%]	TOC400 Area	TC [%]	ROC [%]	ROC Area	TIC900 Area	TOC400 [%]	TIC900 [%]	TOC400 Factor	TIC900 Factor
54	54	22L0307-27	519.50		CARBON	12/27/2022 6:36 PM	bl	0.837	2 702 691	0.975	0.062	235 849	489 467	0.775	0.138	0.9715	1.0000



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Balance: BAL3
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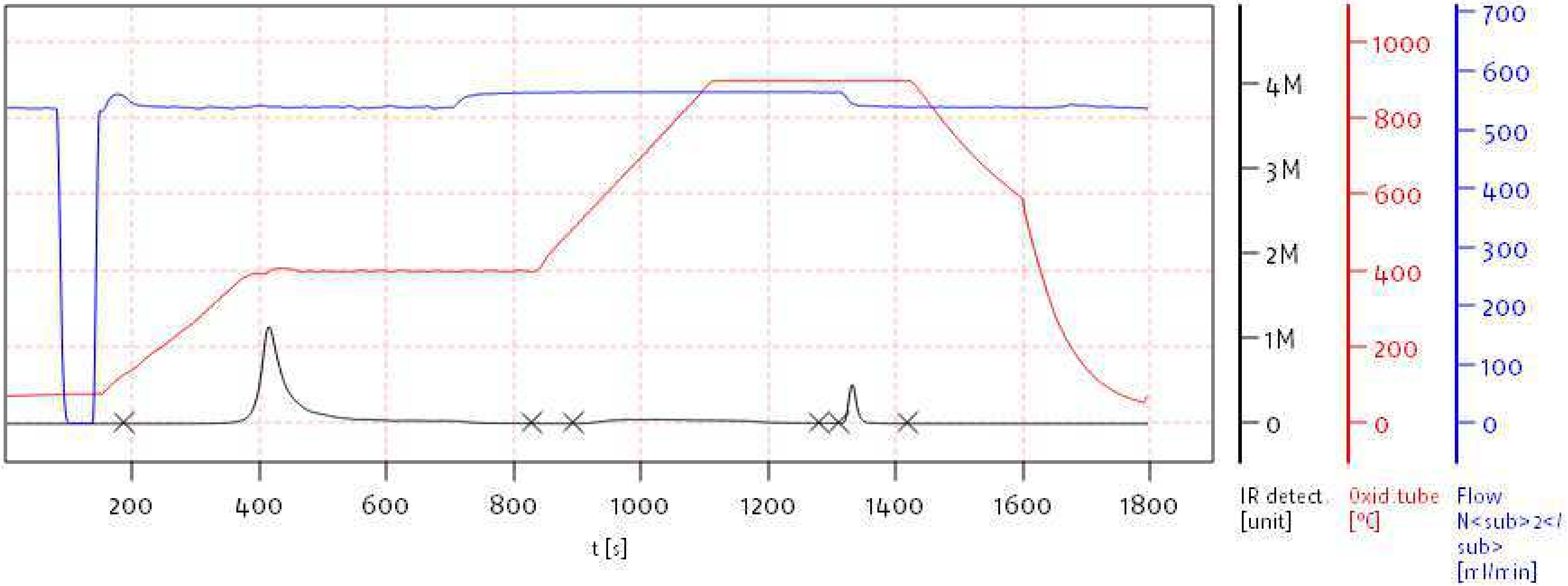
	Pos.	Name	Weight [mg]	Memo	Method	Date Time	Info	TOC [%]	TOC400 Area	TC [%]	ROC [%]	ROC Area	TIC900 Area	TOC400 [%]	TIC900 [%]	TOC400 Factor	TIC900 Factor
55	55	22L0307-28	603.50		CARBON	12/27/2022 7:06 PM	bl	0.637	2 338 368	0.743	0.061	264 858	437 031	0.576	0.105	0.9715	1.0000



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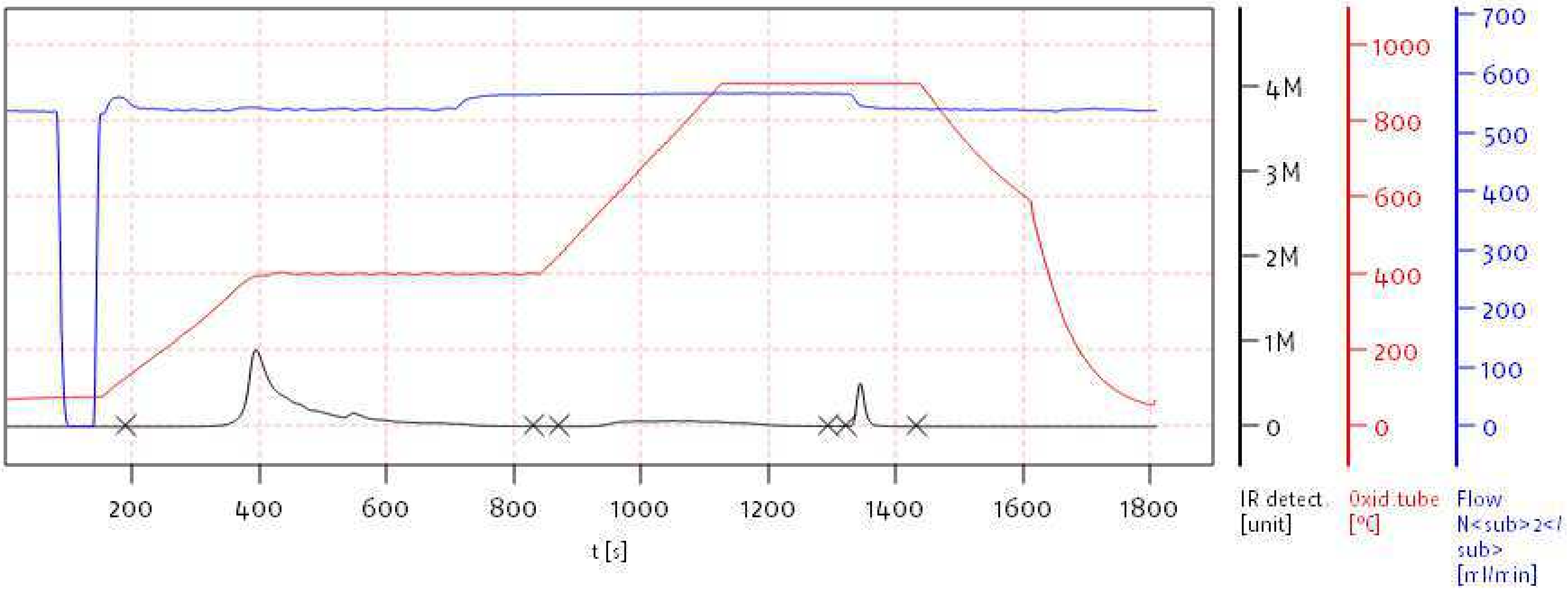
elementar
EXCELLENCE IN ELEMENTS

Soli TOC Cube, Carbon
Balance: BAL3
Analyst: DOE

	Pos.	Name	Weight [mg]	Memo	Method	Date Time	Info	TOC [%]	TOC400 Area	TC [%]	ROC [%]	ROC Area	TIC900 Area	TOC400 [%]	TIC900 [%]	TOC400 Factor	TIC900 Factor
56	56	22L0307-29	506.50		CARBON	12/27/2022 7:37 PM	bl	0.882	2 723 381	1.043	0.082	293 372	552 083	0.801	0.161	0.9715	1.0000



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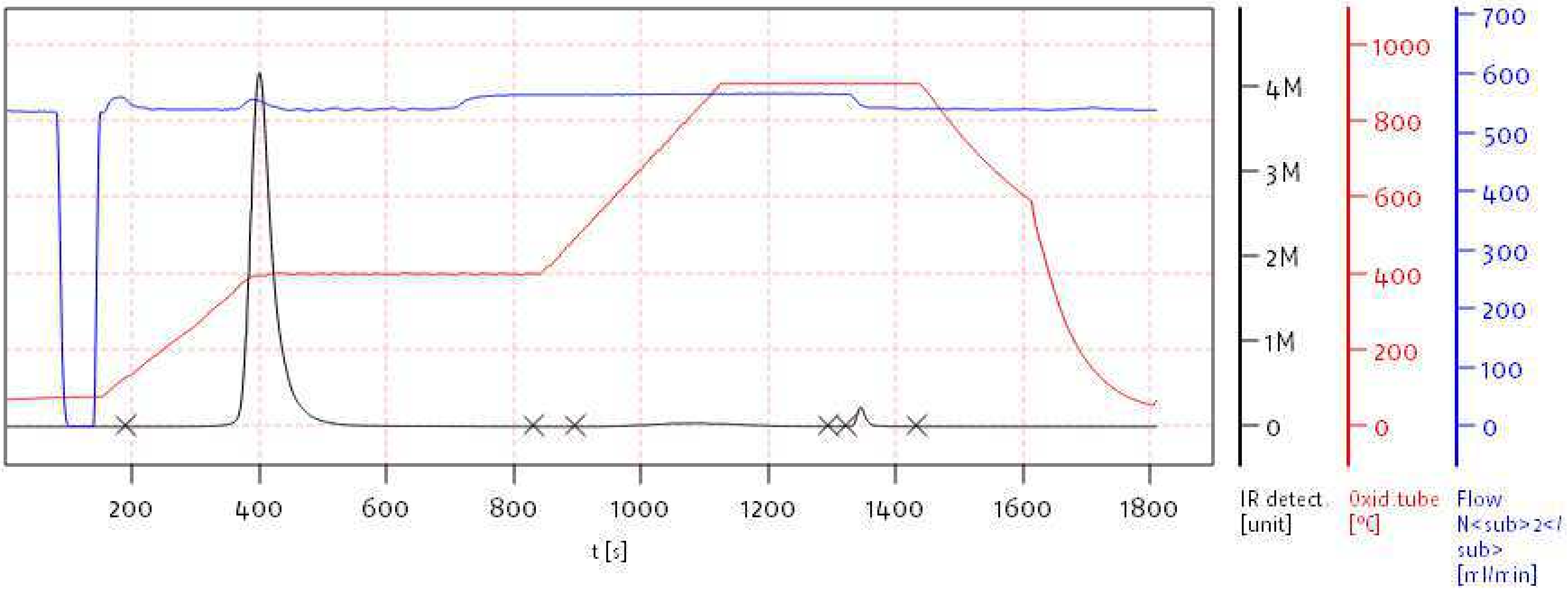
EXCELLENCE IN ELEMENTS

Soli TOC Cube, Carbon
Balance: BAL3
Analyst: DOE

	Pos.	Name	Weight [mg]	Memo	Method	Date Time	Info	TOC [%]	TOC400 Area	TC [%]	ROC [%]	ROC Area	TIC900 Area	TOC400 [%]	TIC900 [%]	TOC400 Factor	TIC900 Factor
57	57	22L0307-30	559.90		CARBON	12/27/2022 8:07 PM	bl	1.812	6 655 899	1.874	0.032	141 491	250 350	1.781	0.062	0.9715	1.0000



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Balance: BAL3
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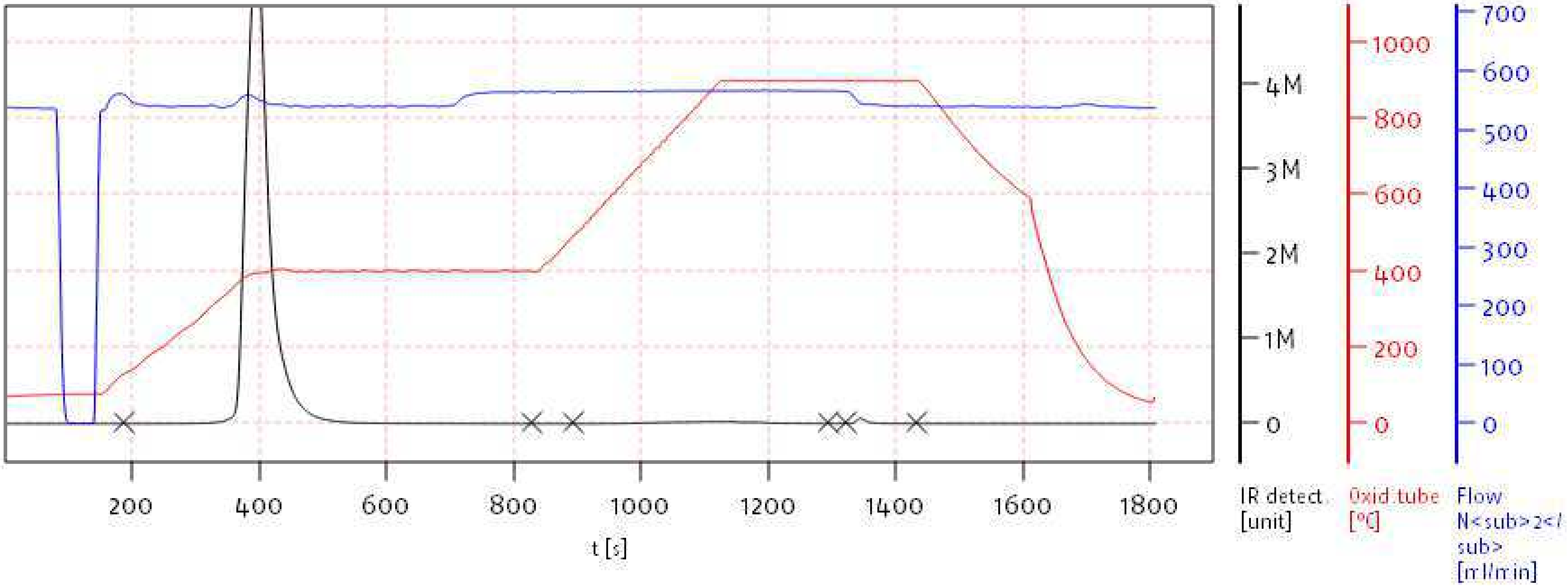
	Pos.	Name	Weight [mg]	Memo	Method	Date Time	Info	TOC [%]	TOC400 Area	TC [%]	ROC [%]	ROC Area	TIC900 Area	TOC400 [%]	TIC900 [%]	TOC400 Factor	TIC900 Factor
58	58	22L0307-31	503.10		CARBON	12/27/2022 8:38 PM	bl	2.635	8 819 549	2.675	0.007	49 053	154 922	2.628	0.040	0.9715	1.0000



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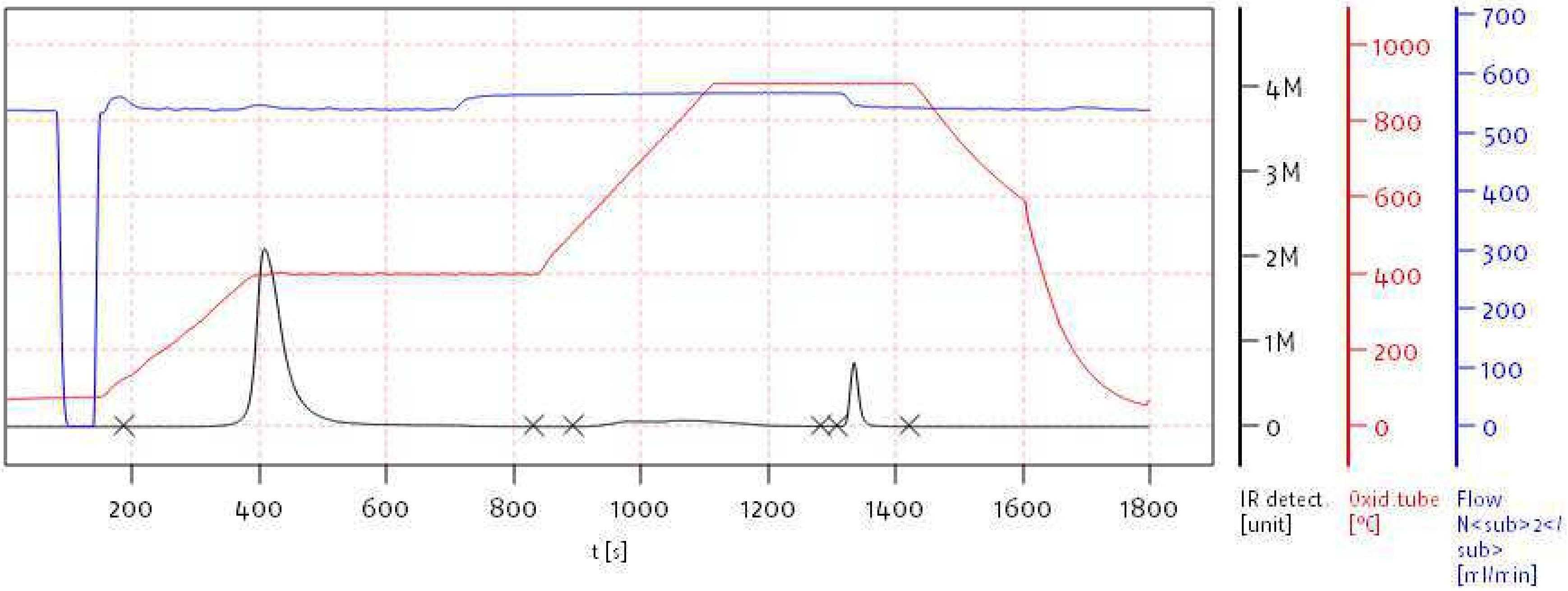
Soli TOC Cube, Carbon
Balance: BAL3
Analyst: DOE

	Pos.	Name	Weight [mg]	Memo	Method	Date Time	Info	TOC [%]	TOC400 Area	TC [%]	ROC [%]	ROC Area	TIC900 Area	TOC400 [%]	TIC900 [%]	TOC400 Factor	TIC900 Factor
59	59	22L0307-32	518.70		CARBON	12/27/2022 9:08 PM	bl	1.335	4 185 567	1.492	0.129	458 096	553 427	1.206	0.157	0.9715	1.0000



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elementar
EXCELLENCE IN ELEMENTS

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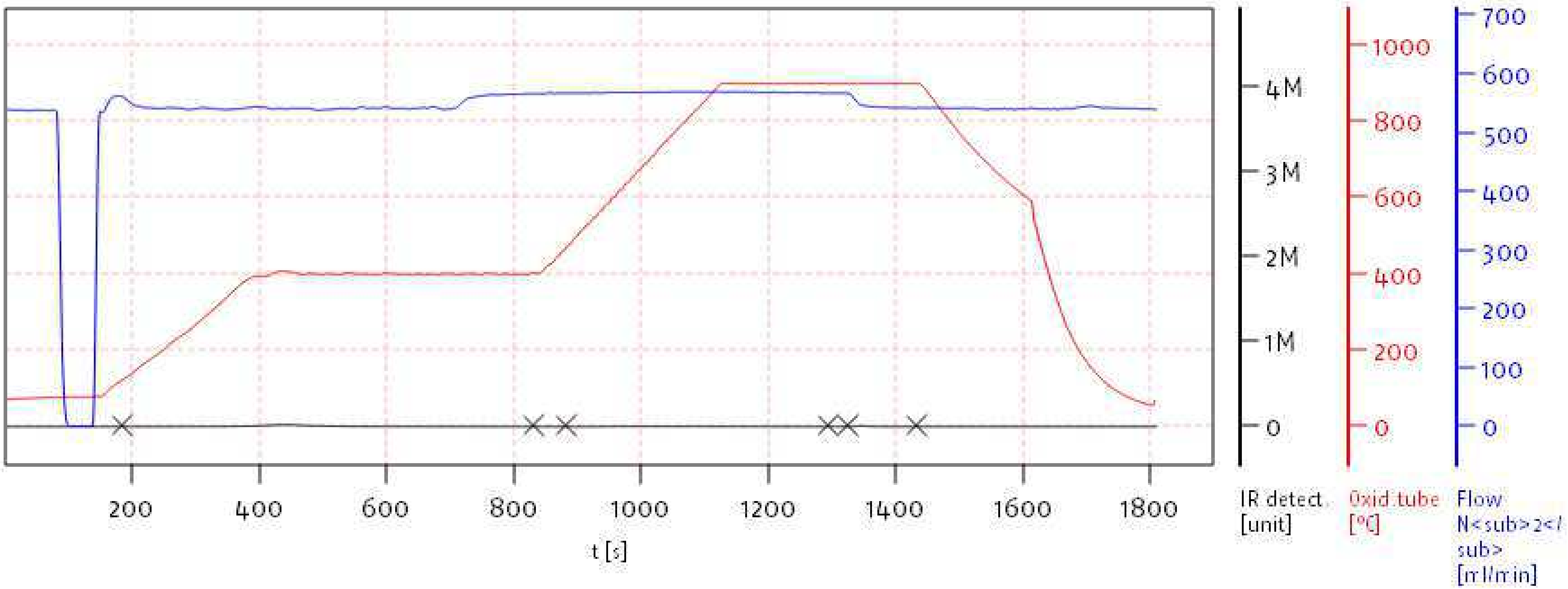
Soli TOC Cube, Carbon
Balance: BAL3
Analyst: DOE

	Pos.	Name	Weight [mg]	Memo	Method	Date Time	Info	TOC [%]	TOC400 Area	TC [%]	ROC [%]	ROC Area	TIC900 Area	TOC400 [%]	TIC900 [%]	TOC400 Factor	TIC900 Factor
60	60	22L0307-33	539.60		CARBON	12/27/2022 9:39 PM	bl	0.019	93 378	0.019	0.000	7 883	22 096	0.019	0.000	0.9715	1.0000



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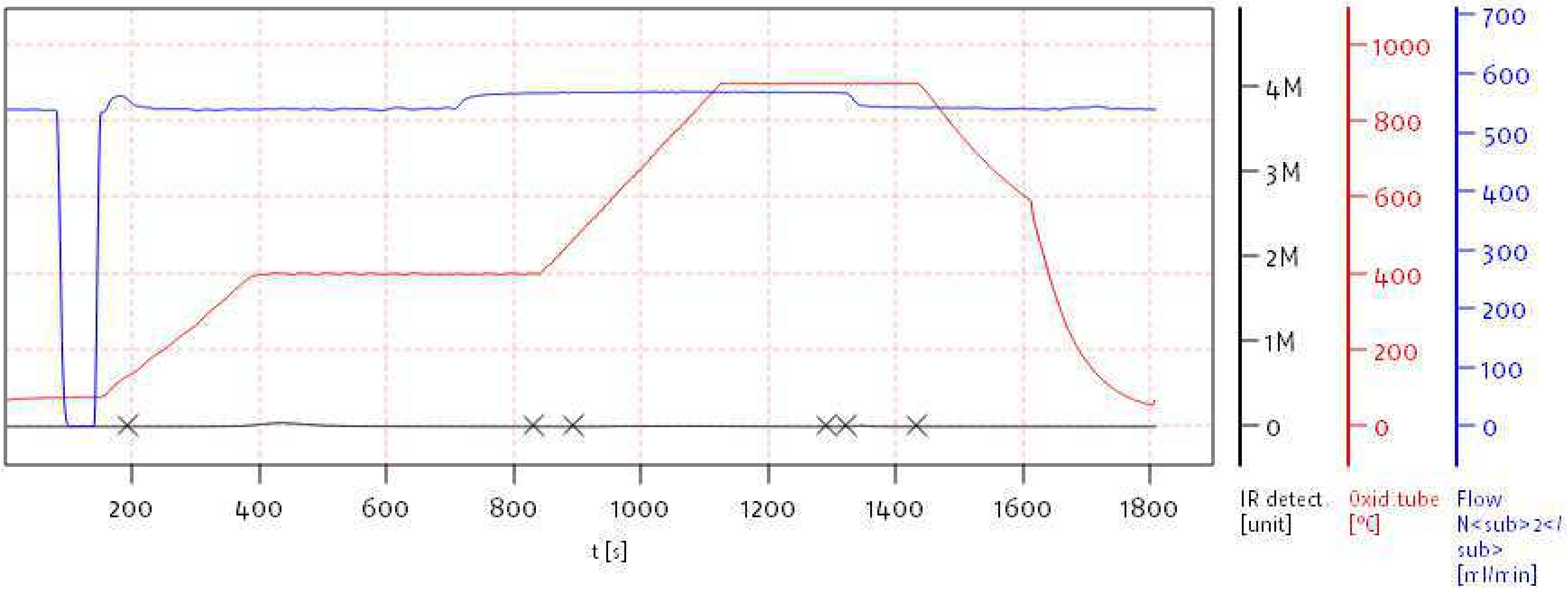
Balance: BAL3
Analyst: DOE

	Pos.	Name	Weight [mg]	Memo	Method	Date Time	Info	TOC [%]	TOC400 Area	TC [%]	ROC [%]	ROC Area	TIC900 Area	TOC400 [%]	TIC900 [%]	TOC400 Factor	TIC900 Factor
61	61	22L0307-34	519.80		CARBON	12/27/2022 10:09 PM	bl	0.045	182 336	0.052	0.000	11 416	48 157	0.045	0.006	0.9715	1.0000



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Balance: BAL3
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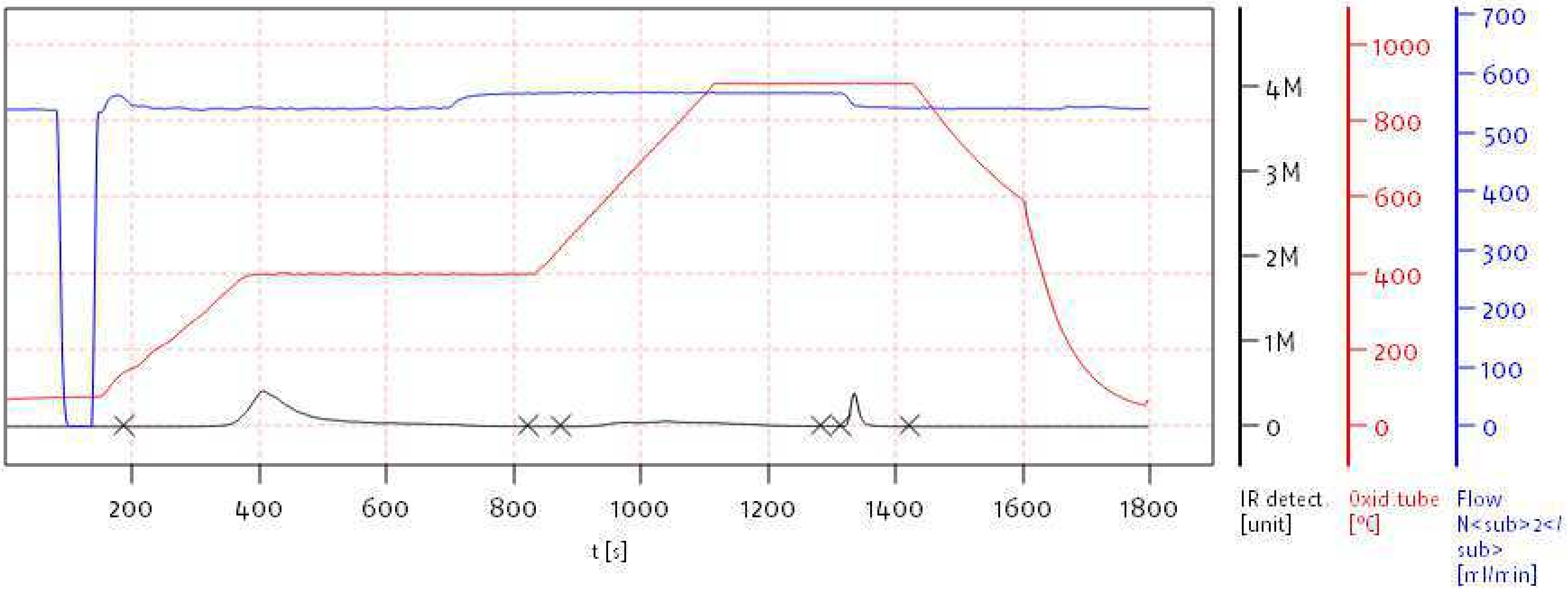
	Pos.	Name	Weight [mg]	Memo	Method	Date Time	Info	TOC [%]	TOC400 Area	TC [%]	ROC [%]	ROC Area	TIC900 Area	TOC400 [%]	TIC900 [%]	TOC400 Factor	TIC900 Factor
62	62	22L0307-35	541.40		CARBON	12/27/2022 10:39 PM	bl	0.500	1 609 425	0.620	0.060	236 722	446 286	0.440	0.120	0.9715	1.0000



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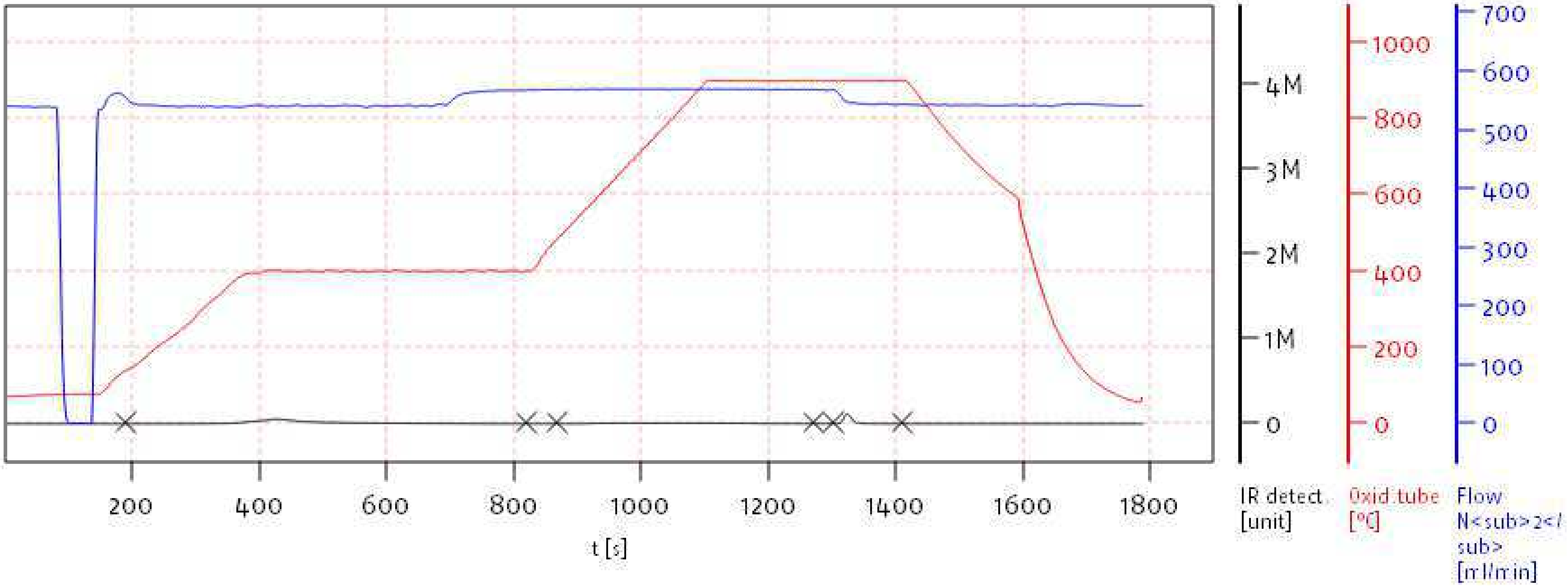
	Pos.	Name	Weight [mg]	Memo	Method	Date Time	Info	TOC [%]	TOC400 Area	TC [%]	ROC [%]	ROC Area	TIC900 Area	TOC400 [%]	TIC900 [%]	TOC400 Factor	TIC900 Factor
63	63	22L0307-36	508.10		CARBON	12/27/2022 11:10 PM	bl	0.072	230 092	0.086	0.012	66 114	71 919	0.060	0.014	0.9715	1.0000



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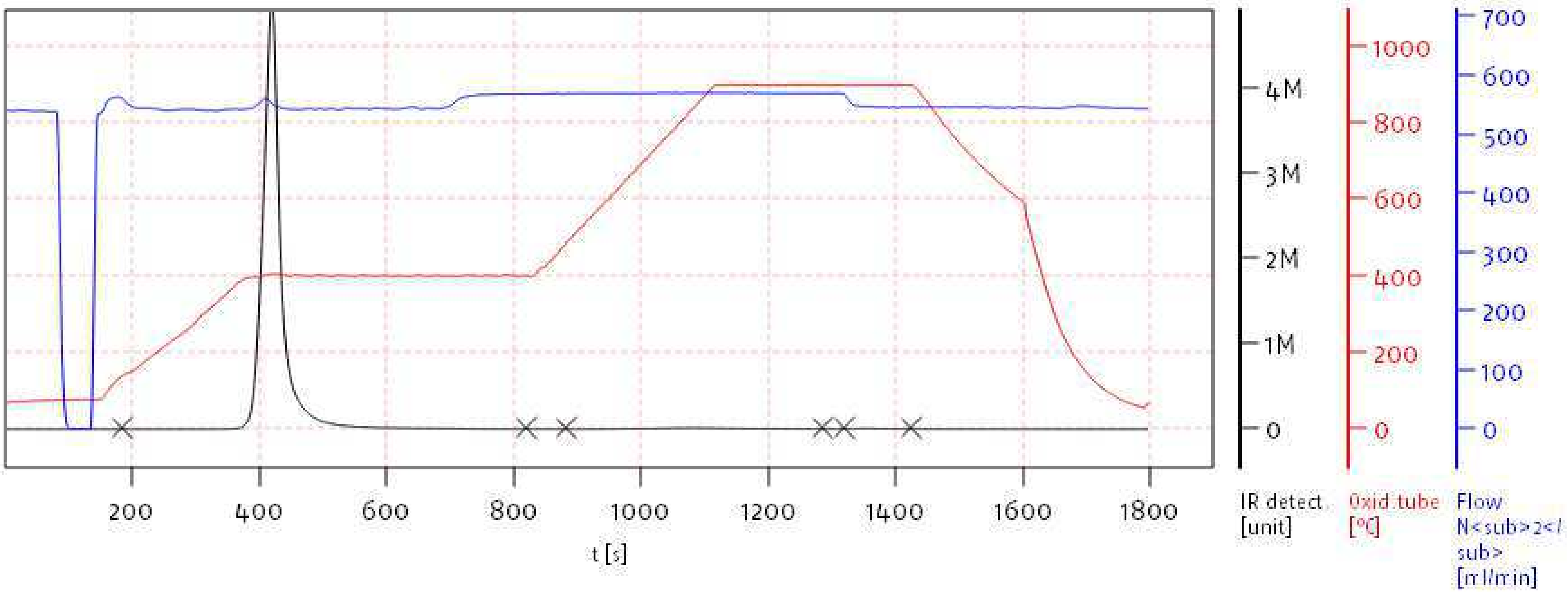
	Pos.	Name	Weight [mg]	Memo	Method	Date Time	Info	TOC [%]	TOC400 Area	TC [%]	ROC [%]	ROC Area	TIC900 Area	TOC400 [%]	TIC900 [%]	TOC400 Factor	TIC900 Factor
64	64	SKL0300-CCV5	20.60		CARBON	12/27/2022 11:40 PM	bl	44.914	6 178 758	45.492	0.000	20 907	103 401	44.914	0.578	0.9715	1.0000



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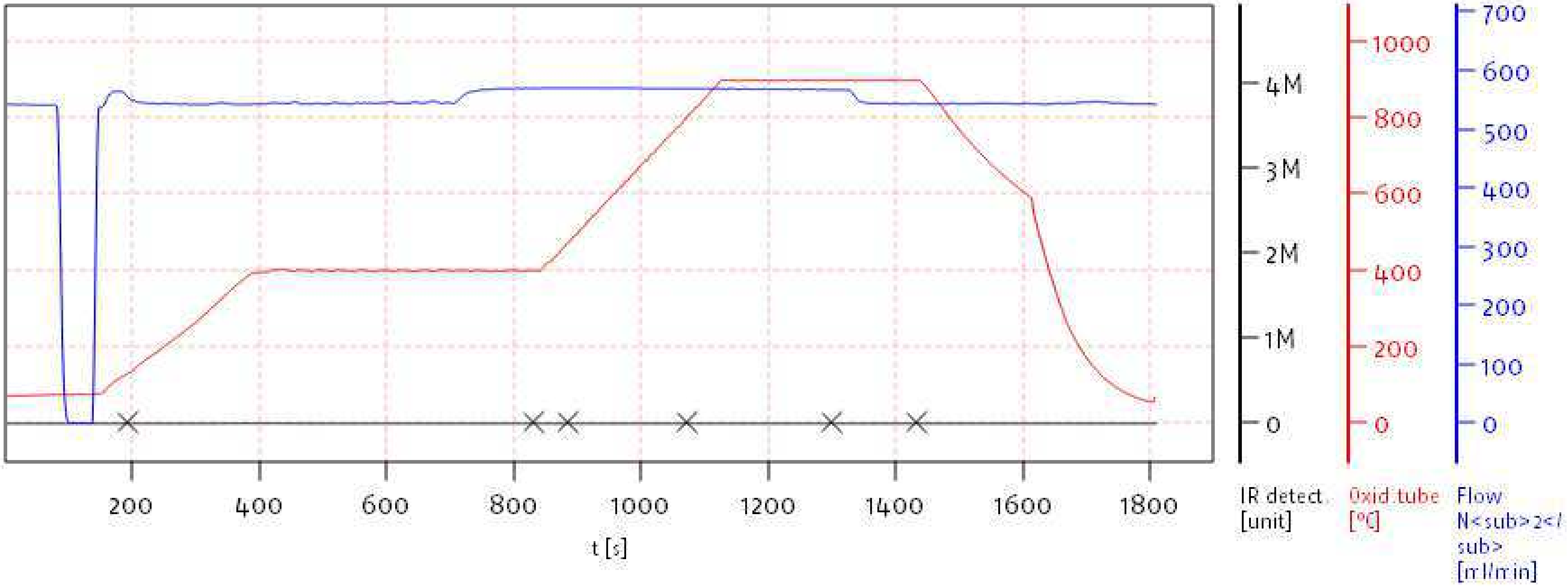
	Pos.	Name	Weight [mg]	Memo	Method	Date Time	Info	TOC [%]	TOC400 Area	TC [%]	ROC [%]	ROC Area	TIC900 Area	TOC400 [%]	TIC900 [%]	TOC400 Factor	TIC900 Factor
65	65	SKL0300-CCB5	506.90		CARBON	12/28/2022 12:10 AM	bl,C3u,C2u	0.000	8 603	0.000	0.000	483	122	0.000	0.000	0.9715	1.0000



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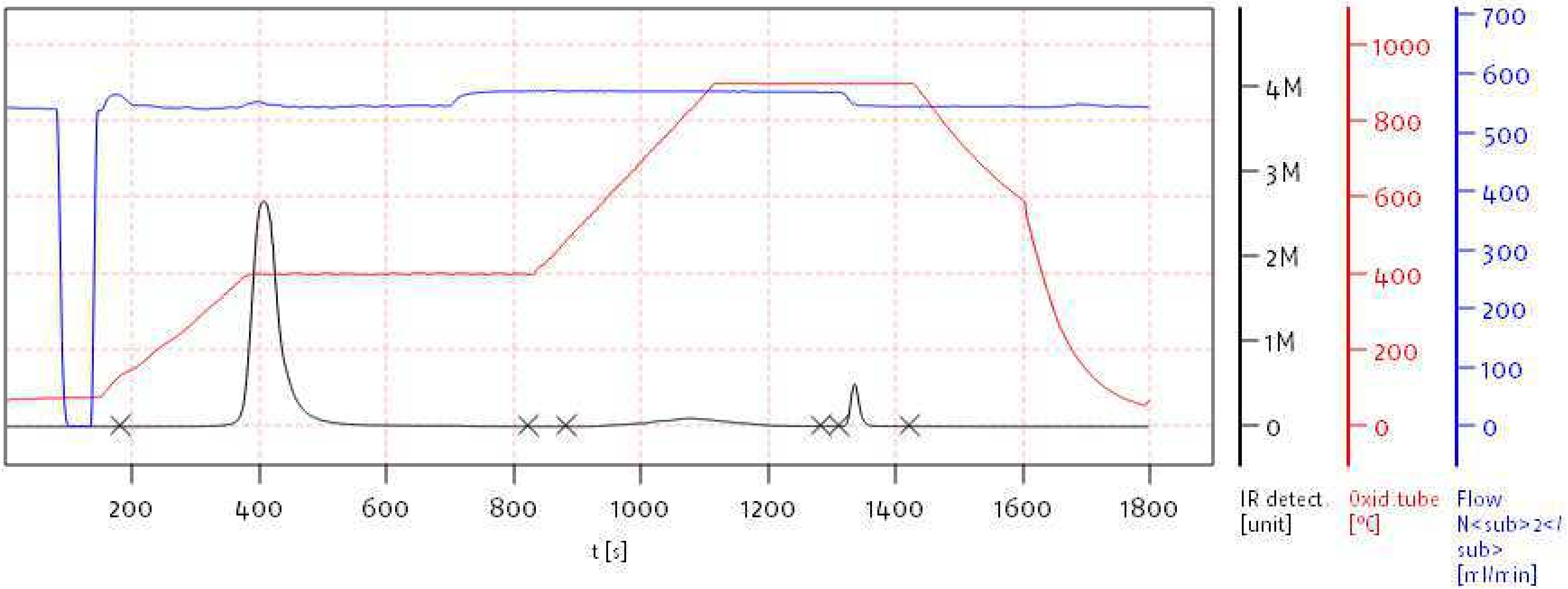
	Pos.	Name	Weight [mg]	Memo	Method	Date Time	Info	TOC [%]	TOC400 Area	TC [%]	ROC [%]	ROC Area	TIC900 Area	TOC400 [%]	TIC900 [%]	TOC400 Factor	TIC900 Factor
66	66	22L0307-37	511.00		CARBON	12/28/2022 12:41 AM	bl	1.579	5 101 449	1.737	0.085	308 108	546 952	1.494	0.158	0.9715	1.0000



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Balance: BAL3
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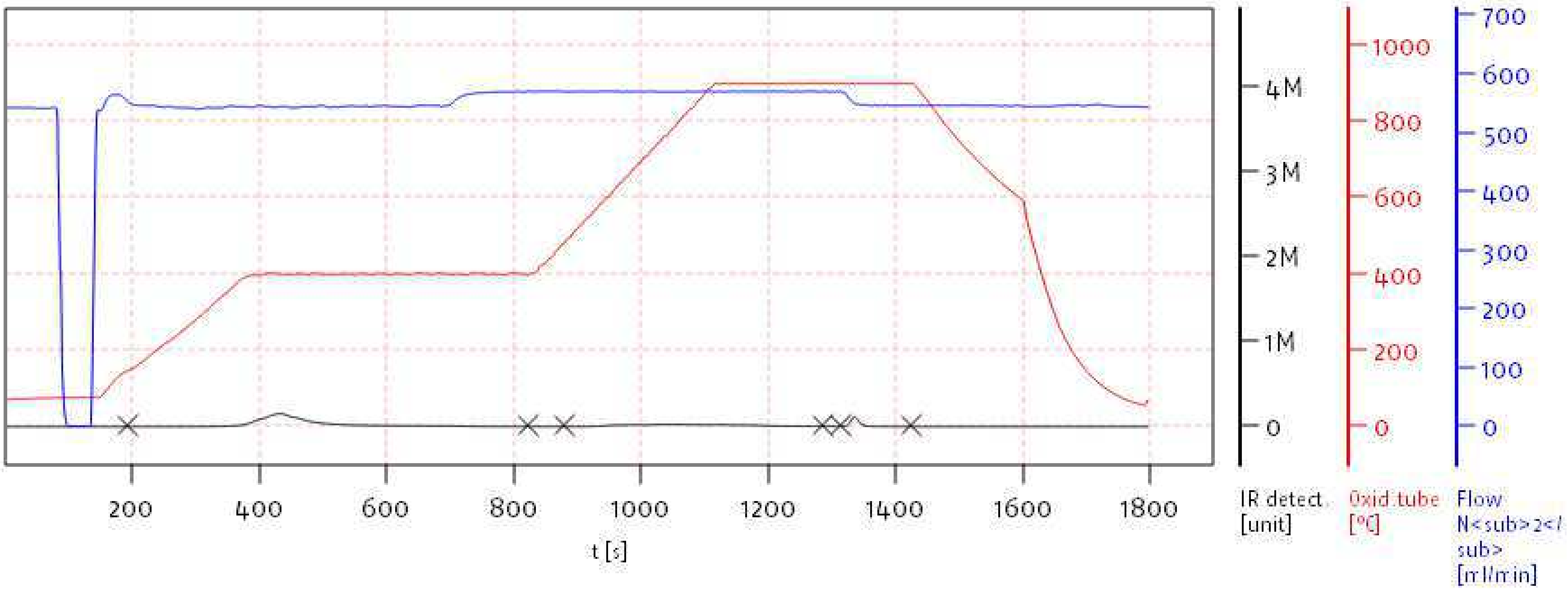
	Pos.	Name	Weight [mg]	Memo	Method	Date Time	Info	TOC [%]	TOC400 Area	TC [%]	ROC [%]	ROC Area	TIC900 Area	TOC400 [%]	TIC900 [%]	TOC400 Factor	TIC900 Factor
67	67	22L0307-38	507.30		CARBON	12/28/2022 1:11 AM	bl	0.174	569 248	0.234	0.013	69 988	222 426	0.161	0.060	0.9715	1.0000



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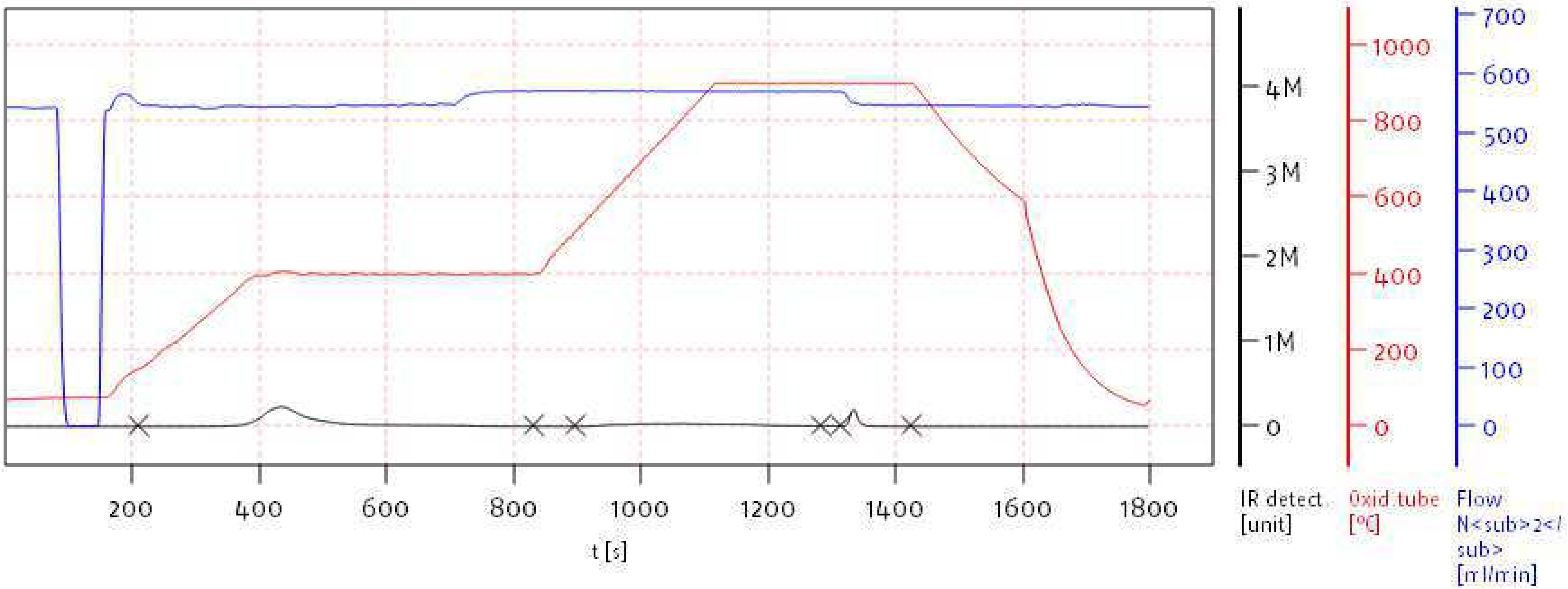
	Pos.	Name	Weight [mg]	Memo	Method	Date Time	Info	TOC [%]	TOC400 Area	TC [%]	ROC [%]	ROC Area	TIC900 Area	TOC400 [%]	TIC900 [%]	TOC400 Factor	TIC900 Factor
68	68	22L0307-39	521.40		CARBON	12/28/2022 1:42 AM	bl	0.265	850 584	0.344	0.027	116 903	293 709	0.238	0.079	0.9715	1.0000



Name:

Access: soliTOC superuser

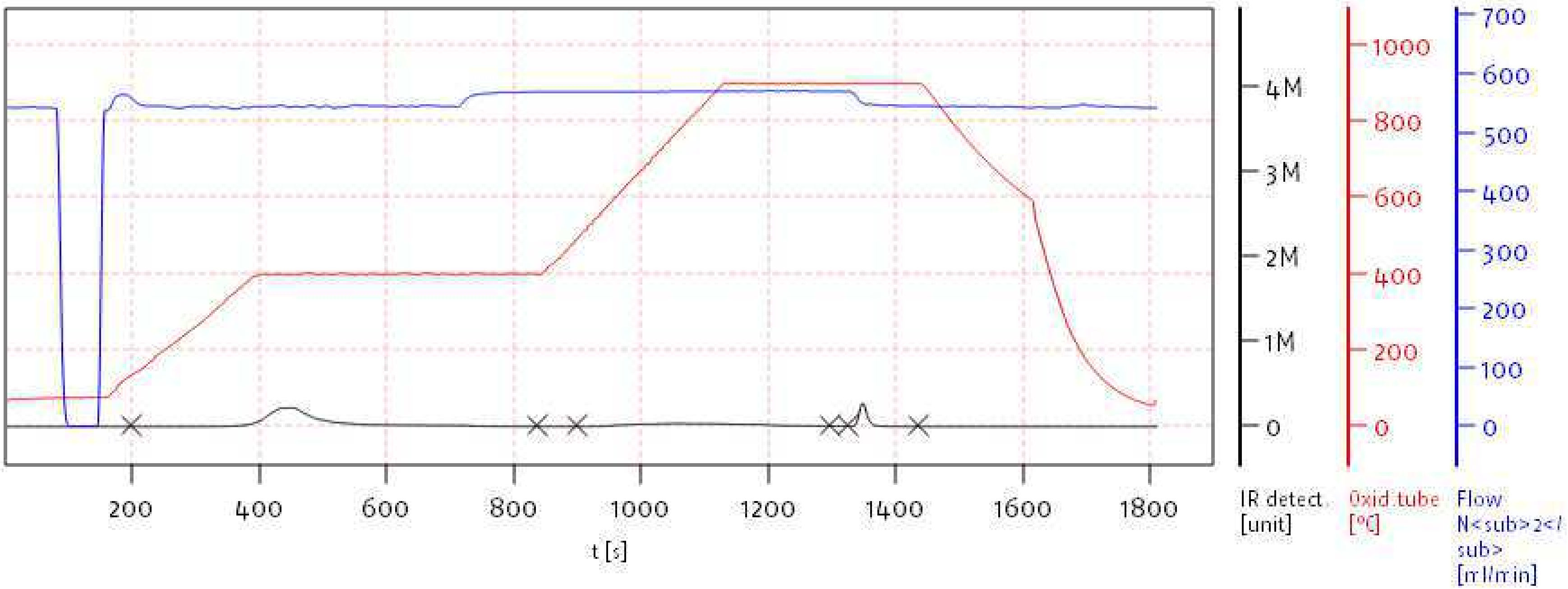
Date: Wed Dec 28 12:26:29 2022

soliTOC V2.0.2 (31015f9) 2018-11-19
Serial No: 0300.181017
Mode CCC

elementar
EXCELLENCE IN ELEMENTS

Soli TOC Cube, Carbon
Balance: BAL3
Analyst: DOE

	Pos.	Name	Weight [mg]	Memo	Method	Date Time	Info	TOC [%]	TOC400 Area	TC [%]	ROC [%]	ROC Area	TIC900 Area	TOC400 [%]	TIC900 [%]	TOC400 Factor	TIC900 Factor
69	69	22L0307-40	512.60		CARBON	12/28/2022 2:12 AM	bl	0.285	860 875	0.370	0.040	158 572	308 566	0.245	0.085	0.9715	1.0000



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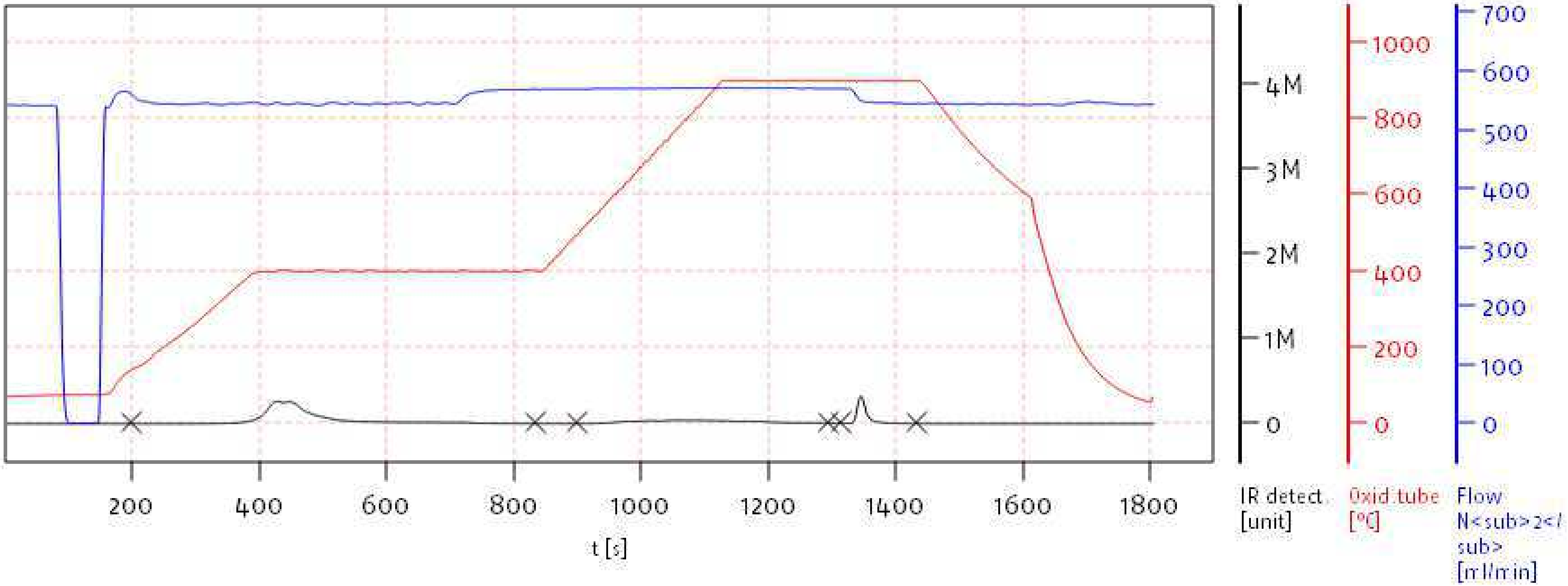
soliTOC V2.0.2 (31015f9) 2018-11-19
Serial No: 0300.181017
Mode CCC

Soli TOC Cube, Carbon
Balance: BAL3
Analyst: DOE

	Pos.	Name	Weight [mg]	Memo	Method	Date Time	Info	TOC [%]	TOC400 Area	TC [%]	ROC [%]	ROC Area	TIC900 Area	TOC400 [%]	TIC900 [%]	TOC400 Factor	TIC900 Factor
70	70	22L0307-41	533.90		CARBON	12/28/2022 2:43 AM	bl	0.315	954 347	0.406	0.054	212 176	340 445	0.261	0.091	0.9715	1.0000



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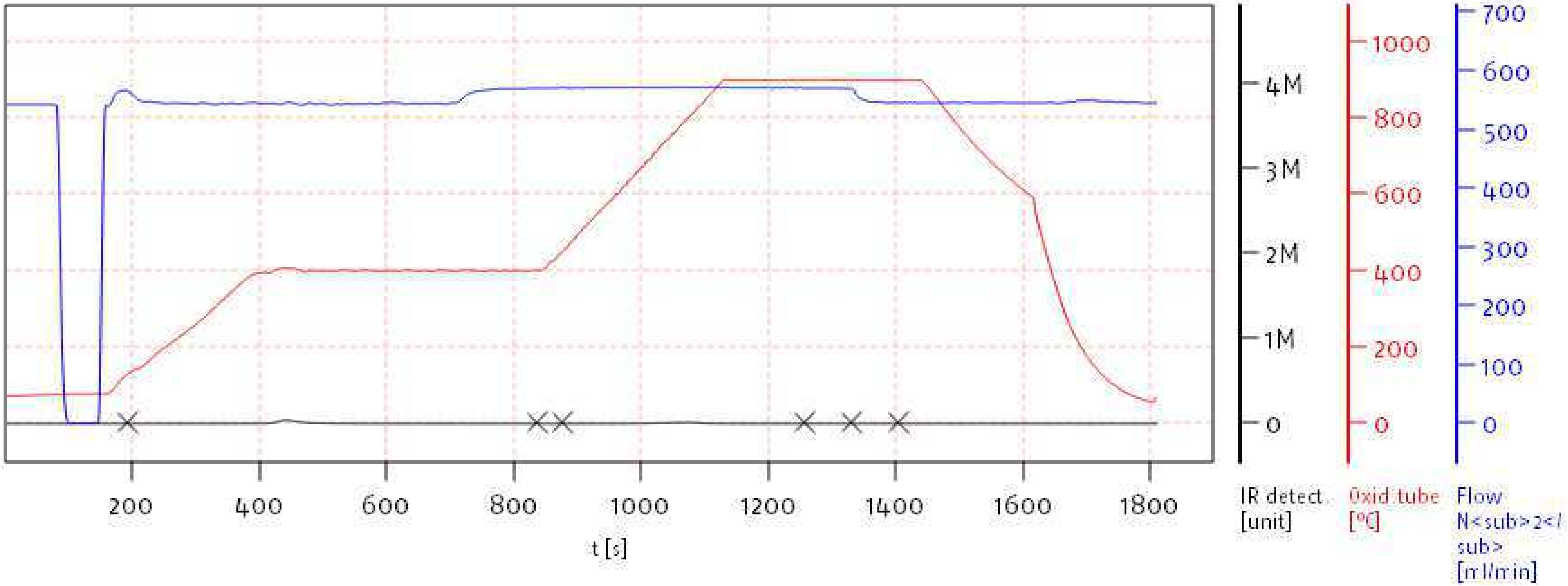
Serial No: 0300.181017
Mode CCC

Soli TOC Cube, Carbon

Balance: BAL3
Analyst: DOE

	Pos.	Name	Weight [mg]	Memo	Method	Date Time	Info	TOC [%]	TOC400 Area	TC [%]	ROC [%]	ROC Area	TIC900 Area	TOC400 [%]	TIC900 [%]	TOC400 Factor	TIC900 Factor
71	71	BKL0586-MRL1	534.20		CARBON	12/28/2022 3:13 AM	bl,C2u	0.014	74 834	0.017	0.000	236	37 942	0.014	0.003	0.9715	1.0000



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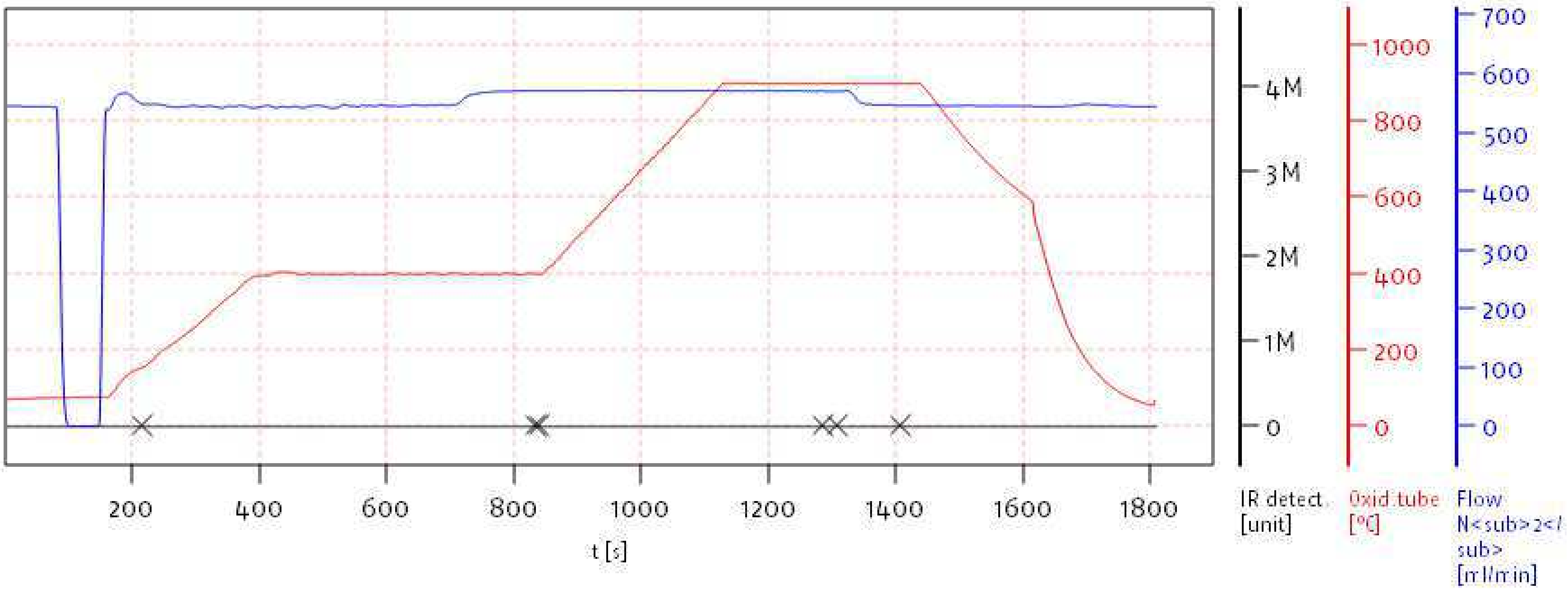
elementar
EXCELLENCE IN ELEMENTS

Soli TOC Cube, Carbon
Balance: BAL3
Analyst: DOE

	Pos.	Name	Weight [mg]	Memo	Method	Date Time	Info	TOC [%]	TOC400 Area	TC [%]	ROC [%]	ROC Area	TIC900 Area	TOC400 [%]	TIC900 [%]	TOC400 Factor	TIC900 Factor
72	72	BKL0586-BLK1	521.40		CARBON	12/28/2022 3:44 AM	bl,C3u,C2u	0.000	4 443	0.000	0.000	391	1 525	0.000	0.000	0.9715	1.0000



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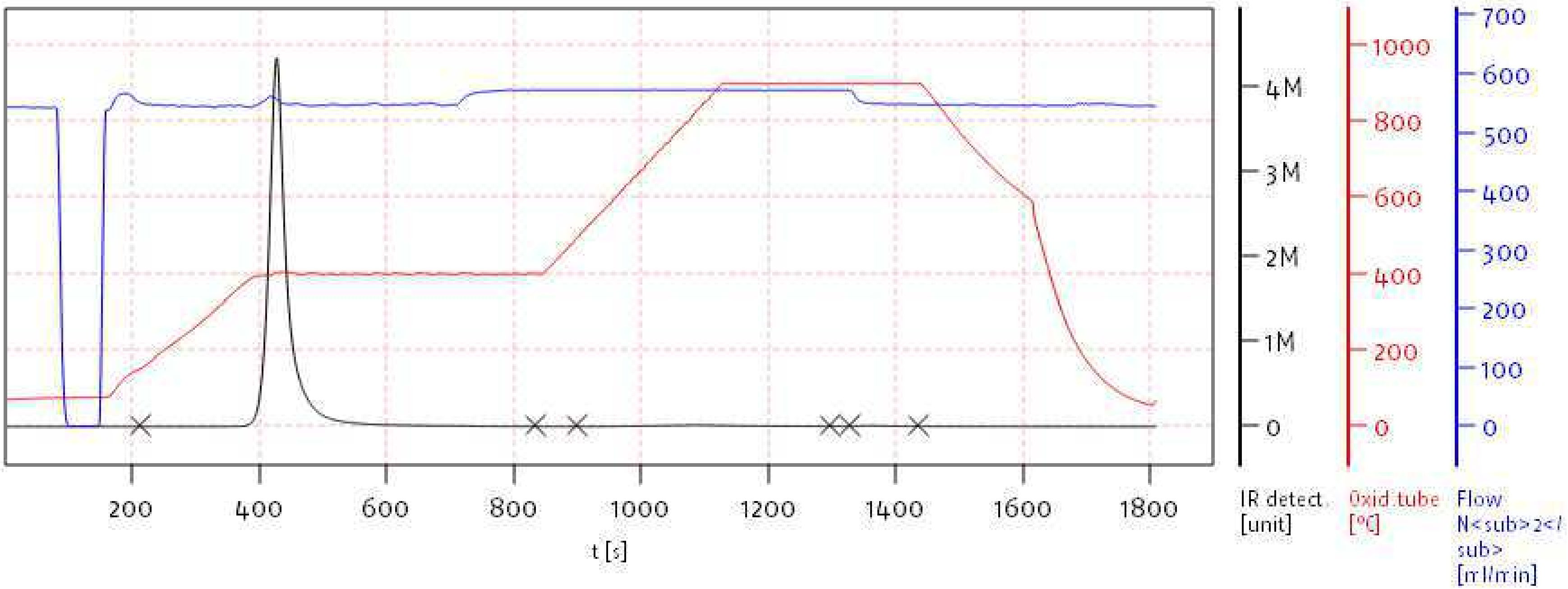
Date: Wed Dec 28 12:26:29 2022

soliTOC V2.0.2 (31015f9) 2018-11-19
Serial No: 0300.181017
Mode CCC

Document: 122622 DOE from: 12/28/2022 12:26 PM

Soli TOC Cube, Carbon
Balance: BAL3
Analyst: DOE

	Pos.	Name	Weight [mg]	Memo	Method	Date Time	Info	TOC [%]	TOC400 Area	TC [%]	ROC [%]	ROC Area	TIC900 Area	TOC400 [%]	TIC900 [%]	TOC400 Factor	TIC900 Factor
73	73	BKL0586-BS1	19.00		CARBON	12/28/2022 4:14 AM	bl	43.597	5 534 474	44.370	0.000	26 478	121 450	43.597	0.773	0.9715	1.0000



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Access: soliTOC superuser

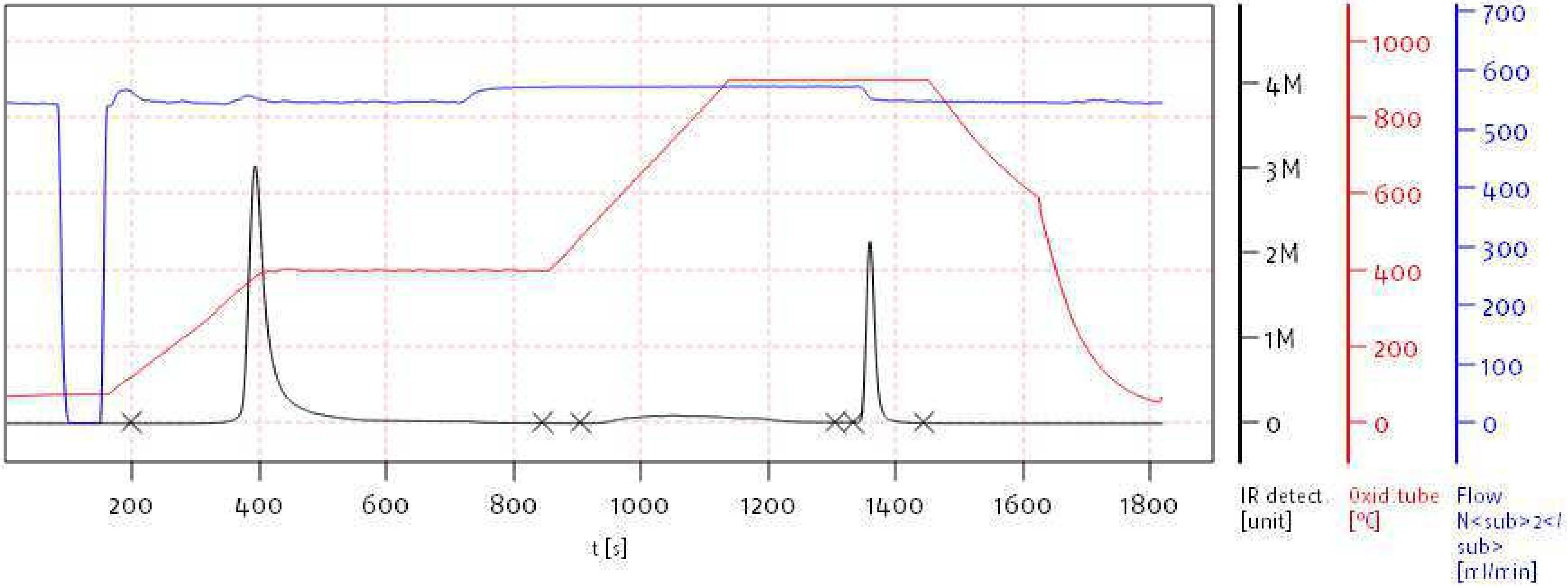
Date: Wed Dec 28 12:26:29 2022

soliTOC V2.0.2 (31015f9) 2018-11-19
Serial No: 0300.181017
Mode CCC

Document: 122622 DOE from: 12/28/2022 12:26 PM

Soli TOC Cube, Carbon
Balance: BAL3
Analyst: DOE

	Pos.	Name	Weight [mg]	Memo	Method	Date Time	Info	TOC [%]	TOC400 Area	TC [%]	ROC [%]	ROC Area	TIC900 Area	TOC400 [%]	TIC900 [%]	TOC400 Factor	TIC900 Factor
74	74	BKL0586-SRM1	290.90		CARBON	12/28/2022 4:45 AM	bl	2.904	4 309 406	3.308	0.690	1 323 024	785 055	2.214	0.404	0.9715	1.0000



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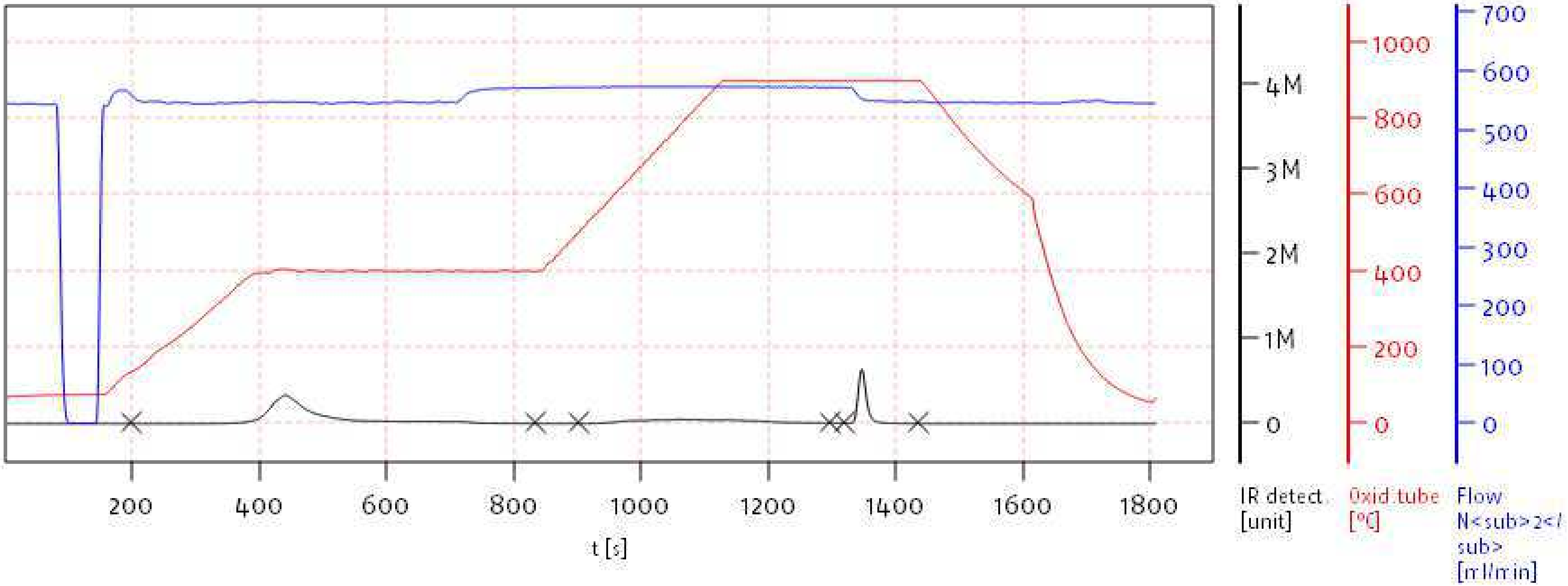
Serial No: 0300.181017
Mode CCC

Soli TOC Cube, Carbon
Balance: BAL3
Analyst: DOE

	Pos.	Name	Weight [mg]	Memo	Method	Date Time	Info	TOC [%]	TOC400 Area	TC [%]	ROC [%]	ROC Area	TIC900 Area	TOC400 [%]	TIC900 [%]	TOC400 Factor	TIC900 Factor
75	75	22L0307-42	599.70		CARBON	12/28/2022 5:16 AM	bl	0.365	1 125 621	0.467	0.089	372 990	419 531	0.276	0.101	0.9715	1.0000



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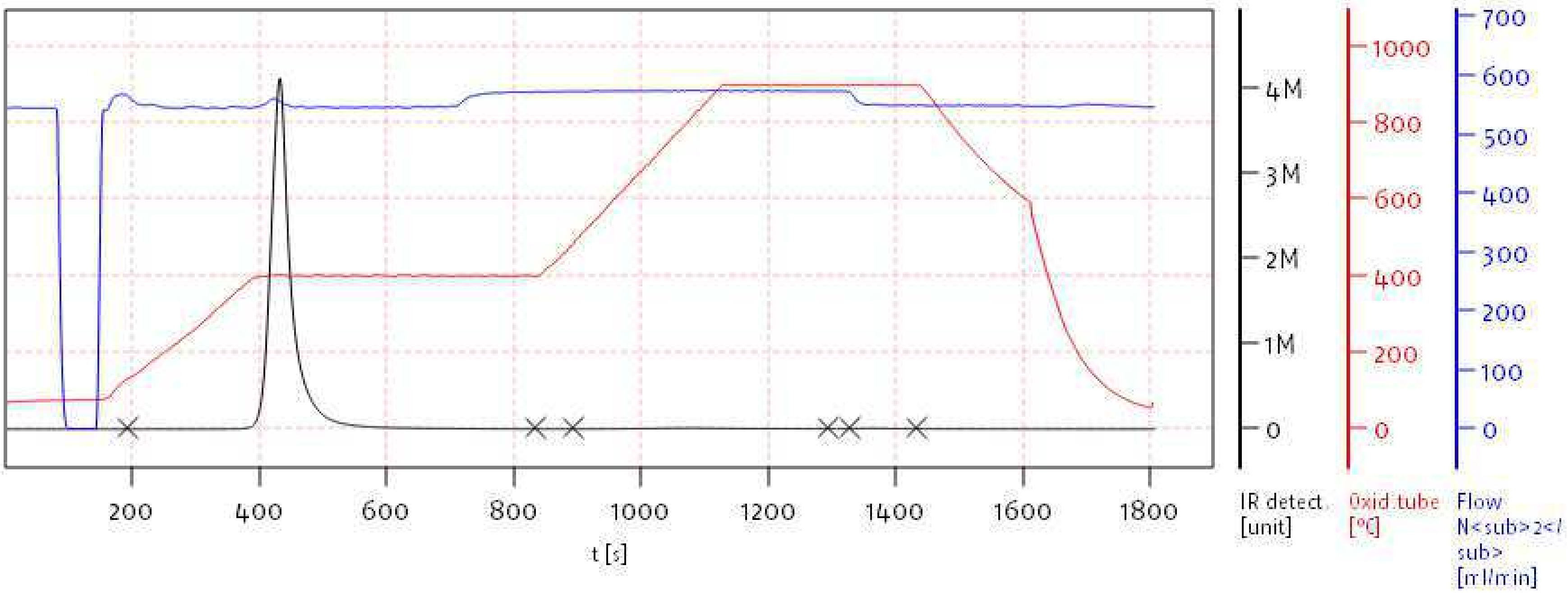
Mode CCC

Soli TOC Cube, Carbon
Balance: BAL3
Analyst: DOE

	Pos.	Name	Weight [mg]	Memo	Method	Date Time	Info	TOC [%]	TOC400 Area	TC [%]	ROC [%]	ROC Area	TIC900 Area	TOC400 [%]	TIC900 [%]	TOC400 Factor	TIC900 Factor
76	76	SKL0 300-CCV 6	19.70		CARBON	12/28/20 22 5:46 AM	bl	44.073	5 799 753	44.615	0.000	26 139	95 457	44.073	0.542	0.9715	1.0000



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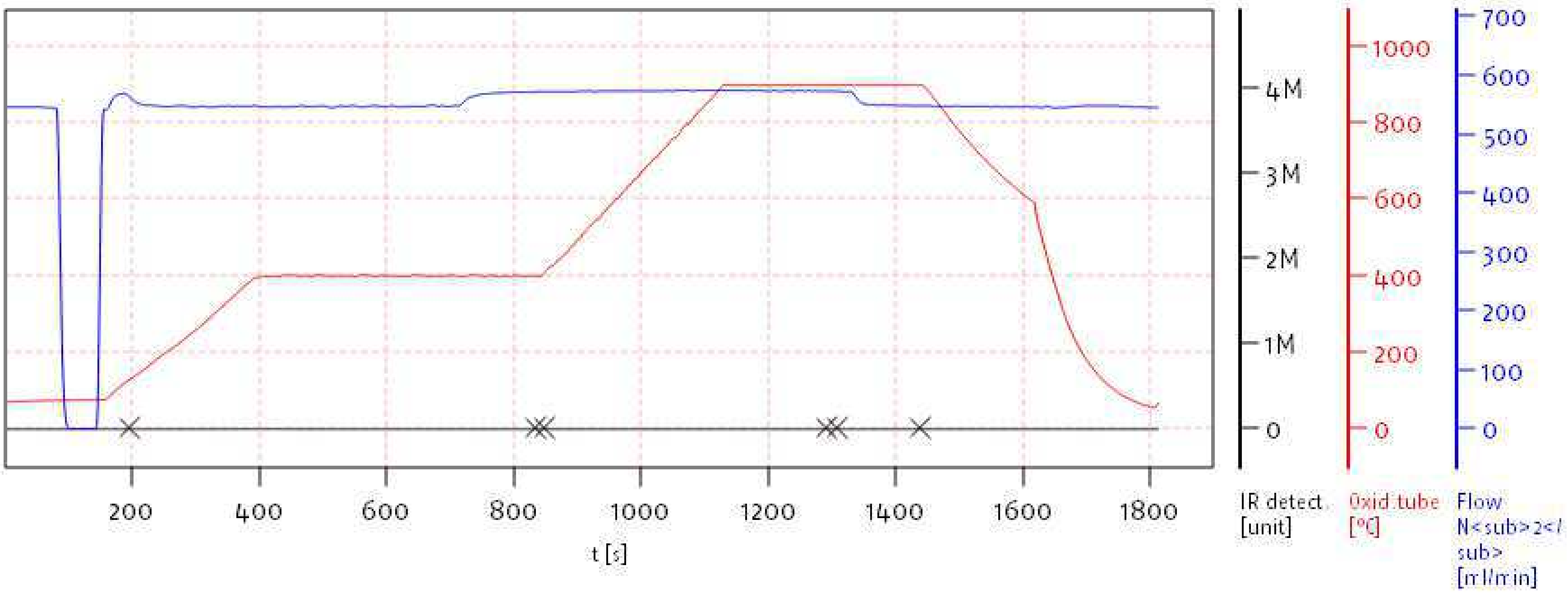
Soli TOC Cube, Carbon
Balance: BAL3
Analyst: DOE

	Pos.	Name	Weight [mg]	Memo	Method	Date Time	Info	TOC [%]	TOC400 Area	TC [%]	ROC [%]	ROC Area	TIC900 Area	TOC400 [%]	TIC900 [%]	TOC400 Factor	TIC900 Factor
77	77	SKL0300-CCB6	543.50		CARBON	12/28/2022 6:17 AM	bl,C3u,C2u	0.000	6 058	0.000	0.000	538	540	0.000	0.000	0.9715	1.0000



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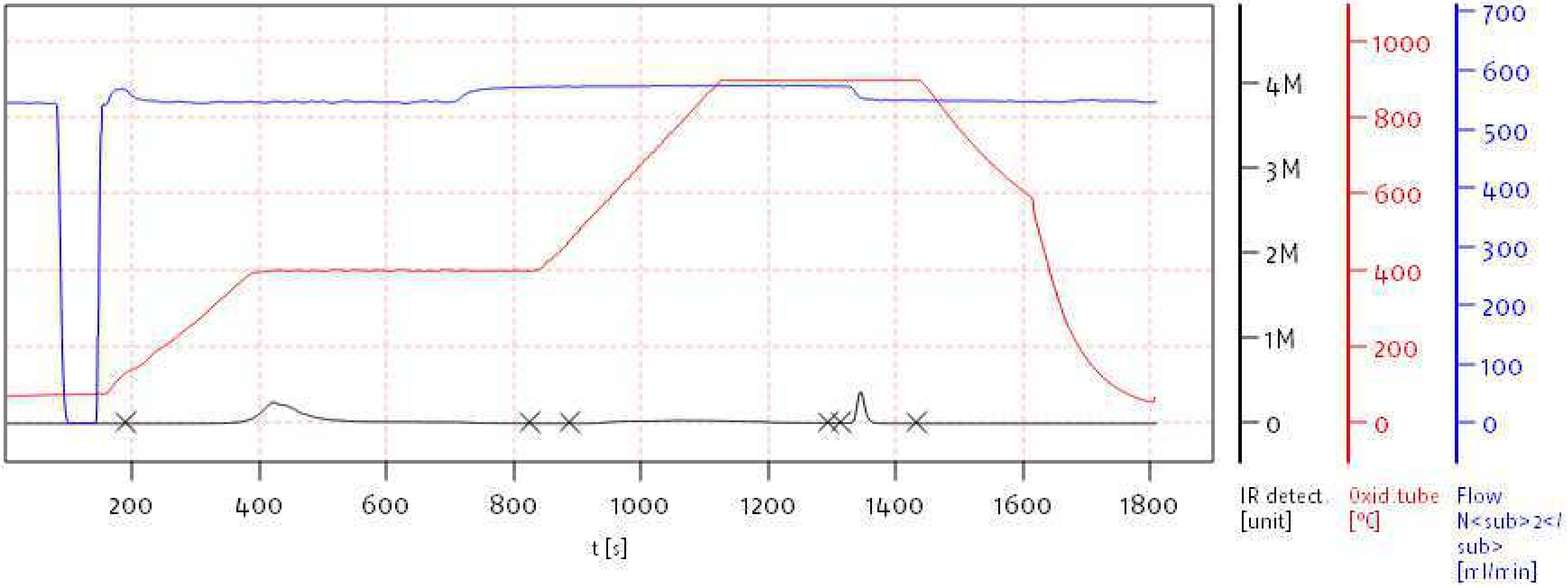
elementar
EXCELLENCE IN ELEMENTS

Soli TOC Cube, Carbon
Balance: BAL3
Analyst: DOE

	Pos.	Name	Weight [mg]	Memo	Method	Date Time	Info	TOC [%]	TOC400 Area	TC [%]	ROC [%]	ROC Area	TIC900 Area	TOC400 [%]	TIC900 [%]	TOC400 Factor	TIC900 Factor
78	78	BKL0586-DUP1	530.20		CARBON	12/28/2022 6:47 AM	bl	0.295	878 285	0.378	0.053	209 757	310 551	0.242	0.083	0.9715	1.0000



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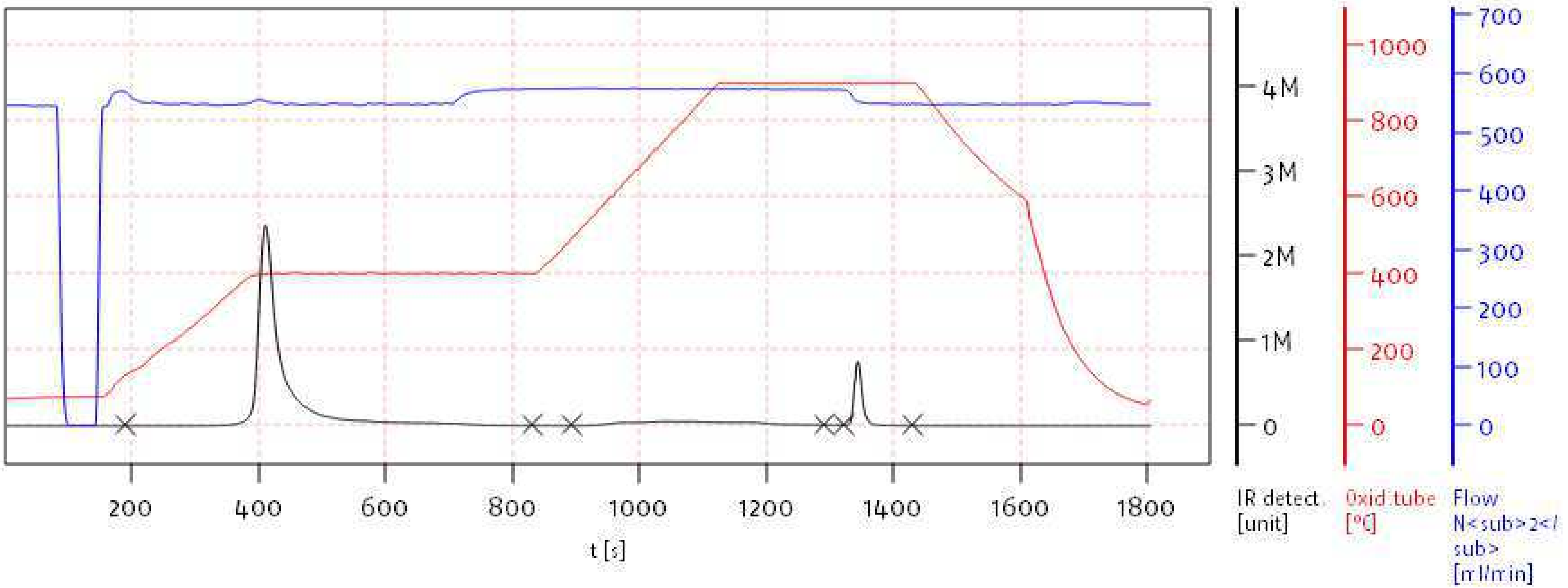
Soli TOC Cube, Carbon
Balance: BAL3
Analyst: DOE

	Pos.	Name	Weight [mg]	Memo	Method	Date Time	Info	TOC [%]	TOC400 Area	TC [%]	ROC [%]	ROC Area	TIC900 Area	TOC400 [%]	TIC900 [%]	TOC400 Factor	TIC900 Factor
79	79	BKL0586-MS1	565.50	0.0094	CARBON	12/28/2022 7:18 AM	bl	1.086	3 701 905	1.211	0.108	422 362	484 726	0.977	0.125	0.9715	1.0000



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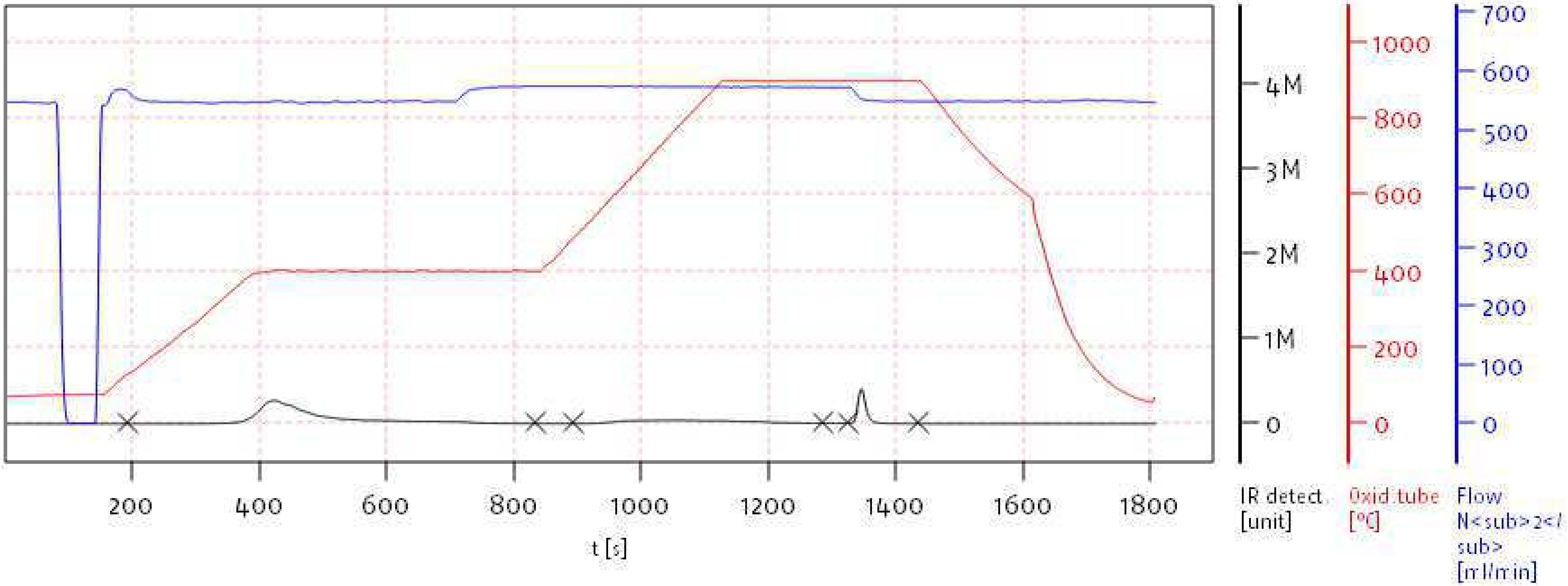
EXCELLENCE IN ELEMENTS

Soli TOC Cube, Carbon
Balance: BAL3
Analyst: DOE

	Pos.	Name	Weight [mg]	Memo	Method	Date Time	Info	TOC [%]	TOC400 Area	TC [%]	ROC [%]	ROC Area	TIC900 Area	TOC400 [%]	TIC900 [%]	TOC400 Factor	TIC900 Factor
80	80	22L0307-43	545.50		CARBON	12/28/2022 7:48 AM	bl	0.368	1 146 673	0.457	0.059	233 510	343 285	0.309	0.090	0.9715	1.0000



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Date: Wed Dec 28 12:26:29 2022

soliTOC V2.0.2 (31015f9) 2018-11-19
Serial No: 0300.181017
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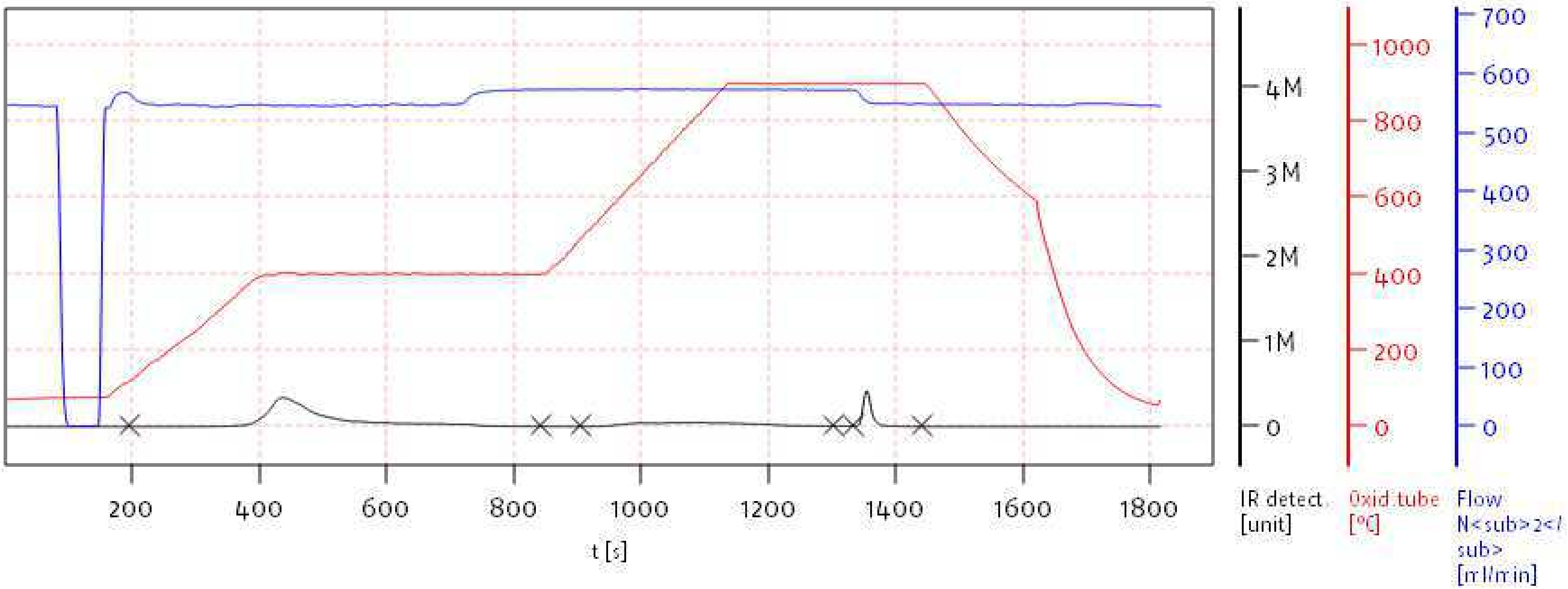
Soli TOC Cube, Carbon
Balance: BAL3
Analyst: DOE

	Pos.	Name	Weight [mg]	Memo	Method	Date Time	Info	TOC [%]	TOC400 Area	TC [%]	ROC [%]	ROC Area	TIC900 Area	TOC400 [%]	TIC900 [%]	TOC400 Factor	TIC900 Factor
81	81	22L0307-44	517.60		CARBON	12/28/2022 8:19 AM	bl	0.458	1 374 861	0.574	0.067	249 148	411 684	0.392	0.115	0.9715	1.0000



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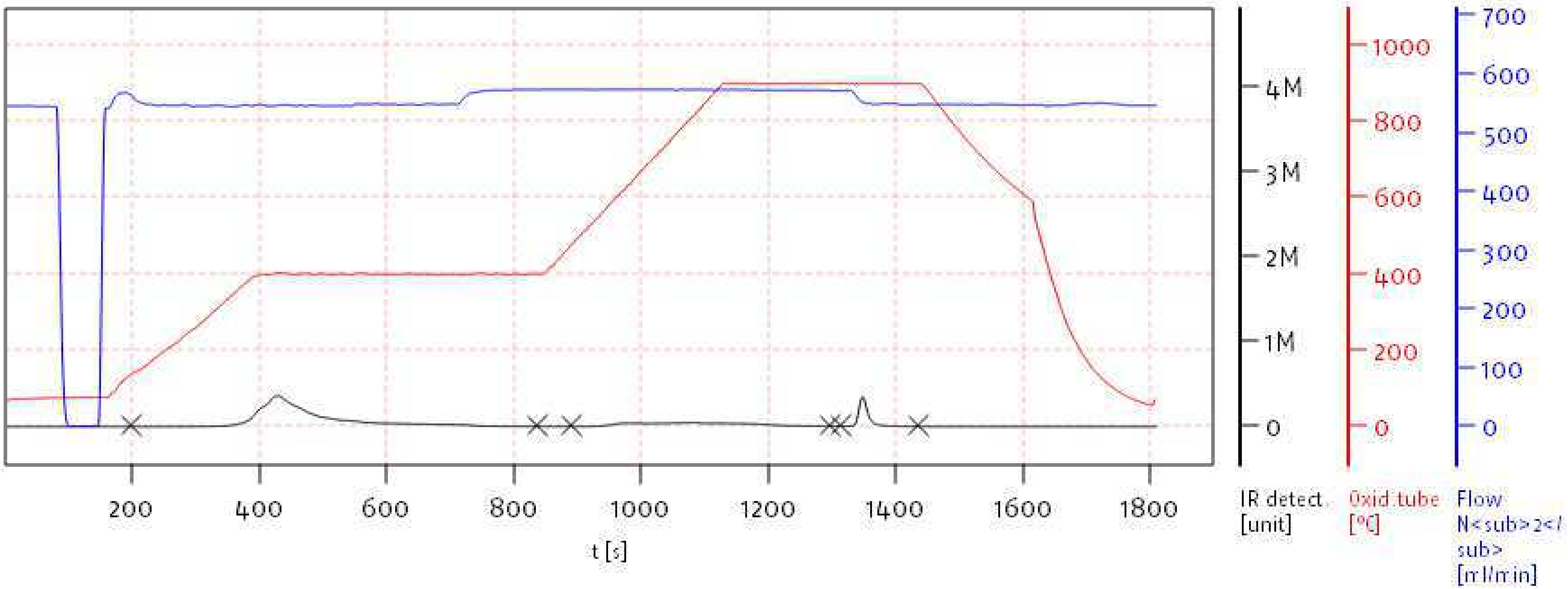
Mode CCC

Soli TOC Cube, Carbon
Balance: BAL3
Analyst: DOE

	Pos.	Name	Weight [mg]	Memo	Method	Date Time	Info	TOC [%]	TOC400 Area	TC [%]	ROC [%]	ROC Area	TIC900 Area	TOC400 [%]	TIC900 [%]	TOC400 Factor	TIC900 Factor
82	82	22L0307-45	508.40		CARBON	12/28/2022 8:49 AM	bl	0.481	1 443 955	0.595	0.062	229 323	399 532	0.419	0.114	0.9715	1.0000



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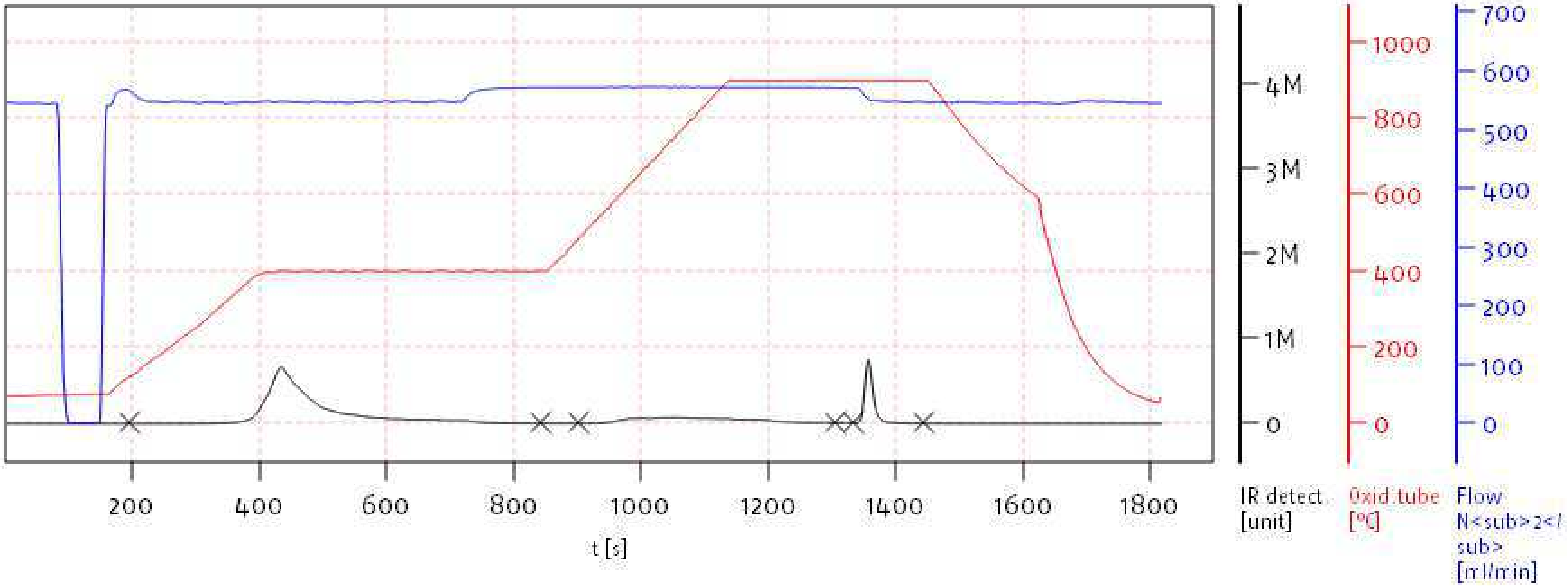
	Pos.	Name	Weight [mg]	Memo	Method	Date Time	Info	TOC [%]	TOC400 Area	TC [%]	ROC [%]	ROC Area	TIC900 Area	TOC400 [%]	TIC900 [%]	TOC400 Factor	TIC900 Factor
83	83	22L0 307-46	547.70		CARBON	12/28/20 22 9:20 AM	bl	0.740	2 277 675	0.910	0.122	459 370	627 367	0.618	0.170	0.9715	1.0000



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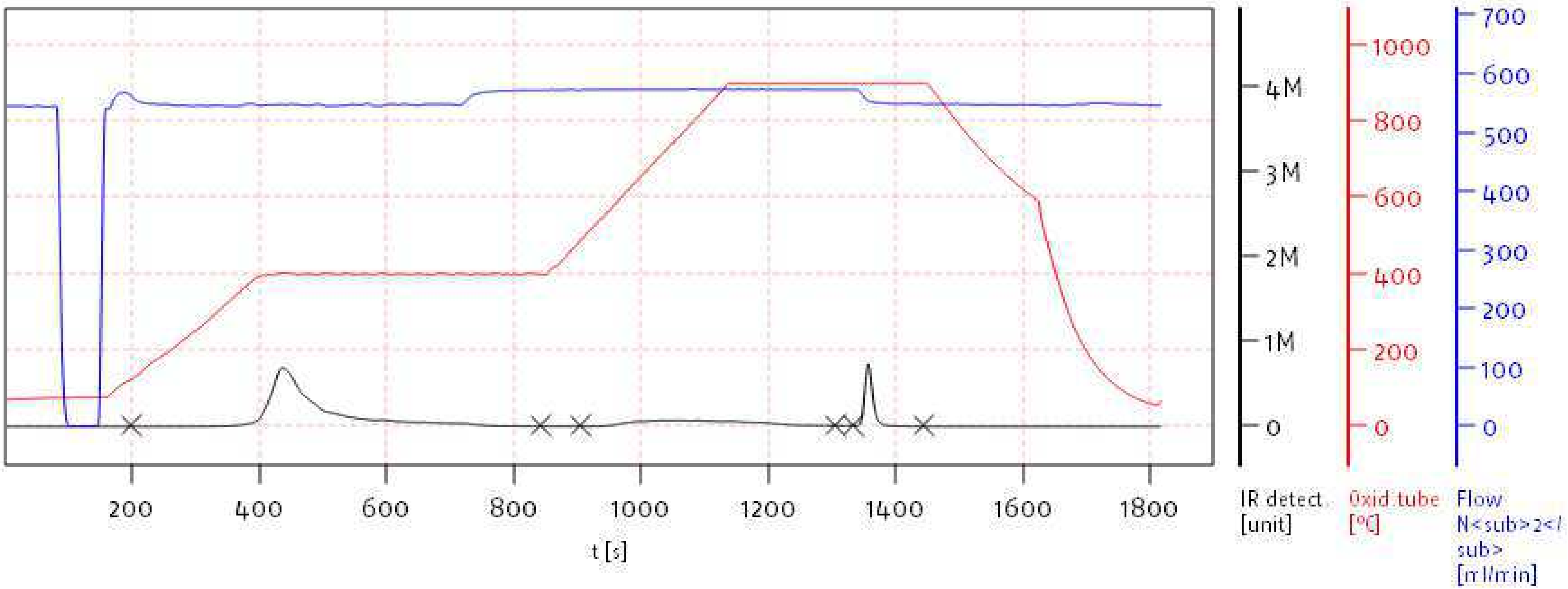
elementar
EXCELLENCE IN ELEMENTS

Soli TOC Cube, Carbon
Balance: BAL3
Analyst: DOE

	Pos.	Name	Weight [mg]	Memo	Method	Date Time	Info	TOC [%]	TOC400 Area	TC [%]	ROC [%]	ROC Area	TIC900 Area	TOC400 [%]	TIC900 [%]	TOC400 Factor	TIC900 Factor
84	84	22L0307-47	623.70		CARBON	12/28/2022 9:51 AM	bl	0.648	2 302 133	0.800	0.099	427 226	637 900	0.549	0.152	0.9715	1.0000



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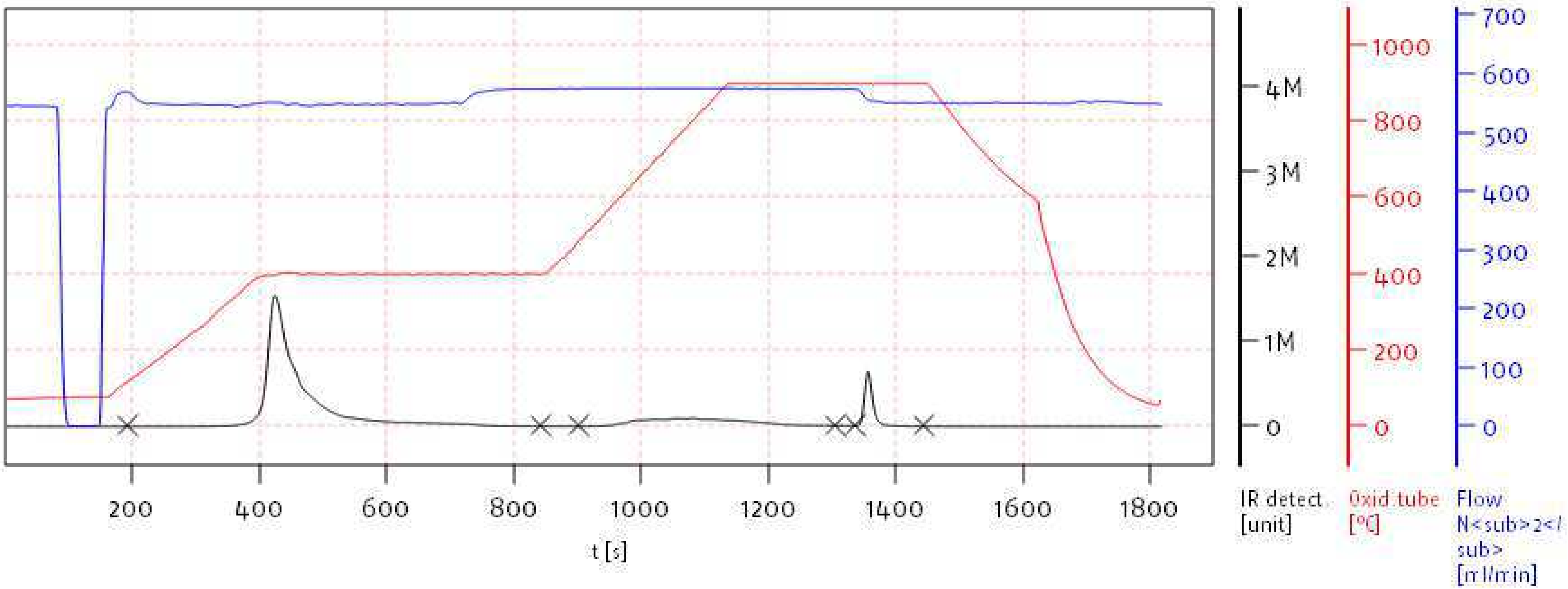
Soli TOC Cube, Carbon
Balance: BAL3
Analyst: DOE

	Pos.	Name	Weight [mg]	Memo	Method	Date Time	Info	TOC [%]	TOC400 Area	TC [%]	ROC [%]	ROC Area	TIC900 Area	TOC400 [%]	TIC900 [%]	TOC400 Factor	TIC900 Factor
85	85	22L0307-48	524.70		CARBON	12/28/2022 10:22 AM	bl	1.074	3 406 930	1.291	0.105	381 678	762 169	0.969	0.217	0.9715	1.0000



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Balance: BAL3
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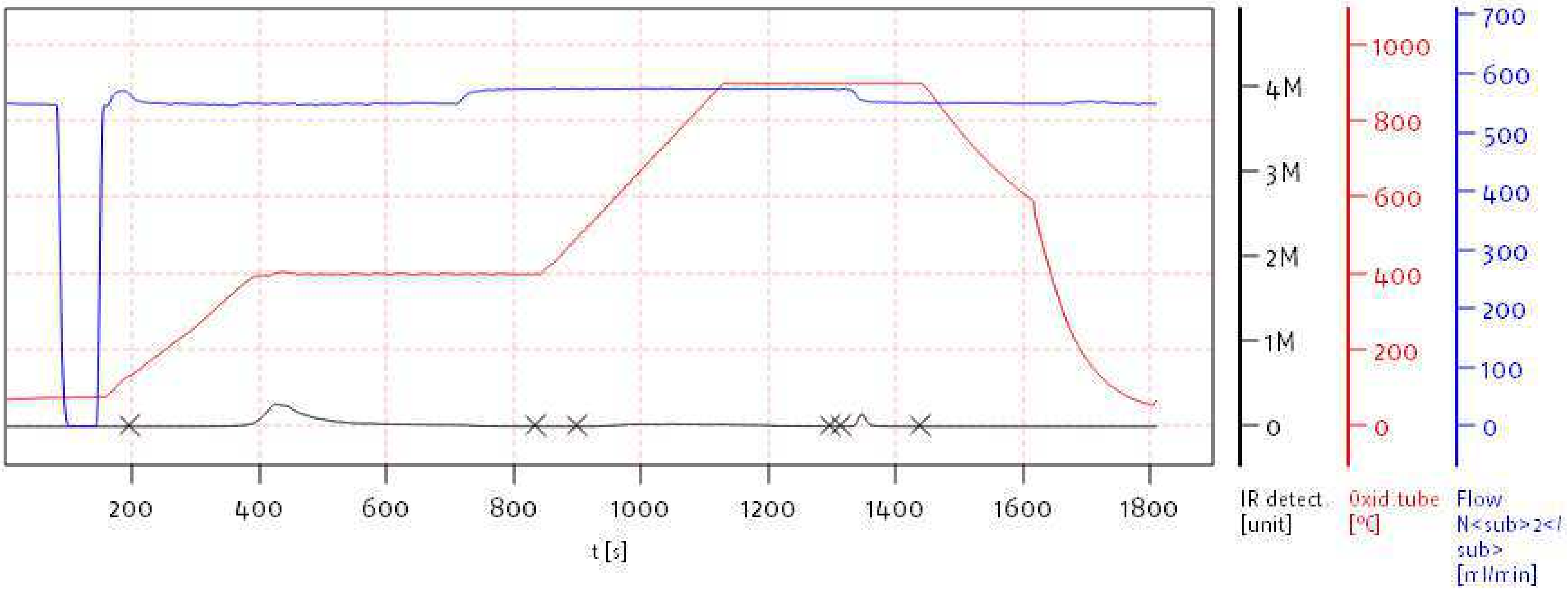
	Pos.	Name	Weight [mg]	Memo	Method	Date Time	Info	TOC [%]	TOC400 Area	TC [%]	ROC [%]	ROC Area	TIC900 Area	TOC400 [%]	TIC900 [%]	TOC400 Factor	TIC900 Factor
86	86	22L0307-49	502.60		CARBON	12/28/2022 10:52 AM	bl	0.314	1 013 556	0.381	0.019	88 238	244 399	0.295	0.067	0.9715	1.0000



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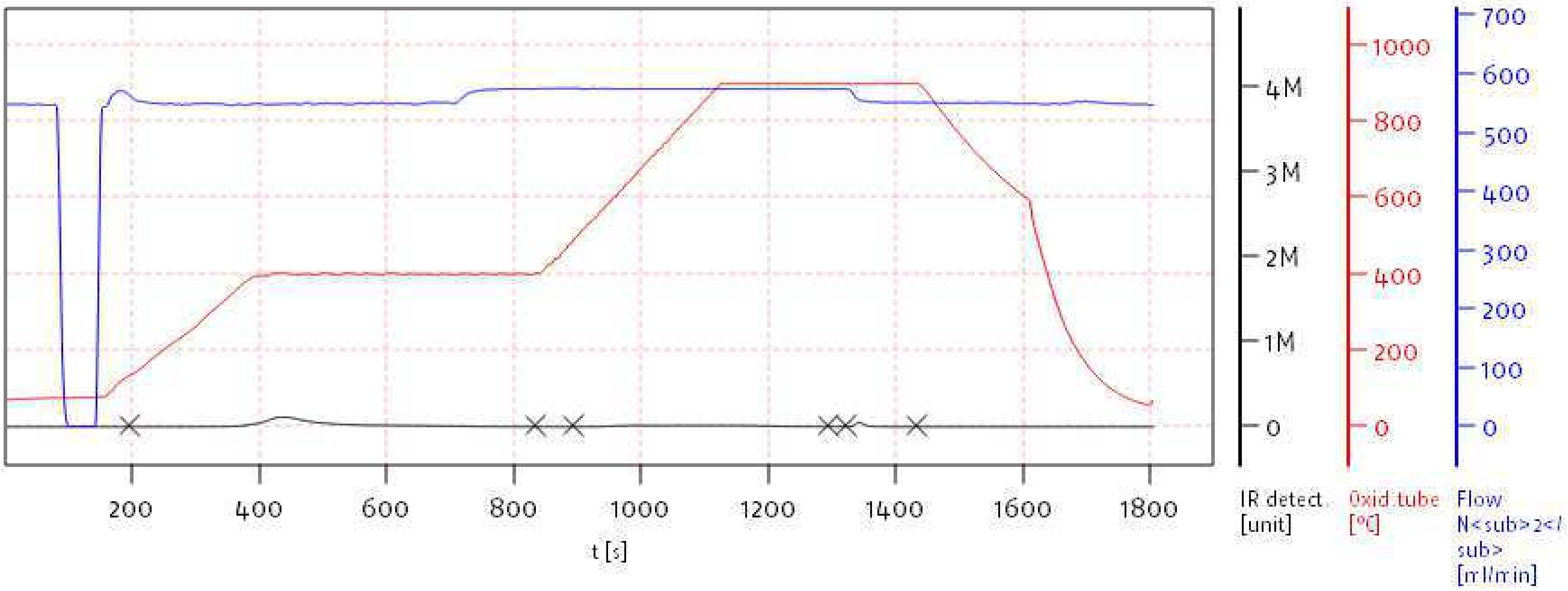
elementar
EXCELLENCE IN ELEMENTS

Soli TOC Cube, Carbon
Balance: BAL3
Analyst: DOE

	Pos.	Name	Weight [mg]	Memo	Method	Date Time	Info	TOC [%]	TOC400 Area	TC [%]	ROC [%]	ROC Area	TIC900 Area	TOC400 [%]	TIC900 [%]	TOC400 Factor	TIC900 Factor
87	87	22L0307-50	551.20		CARBON	12/28/2022 11:23 AM	bl	0.131	498 766	0.163	0.002	33 591	139 529	0.129	0.032	0.9715	1.0000



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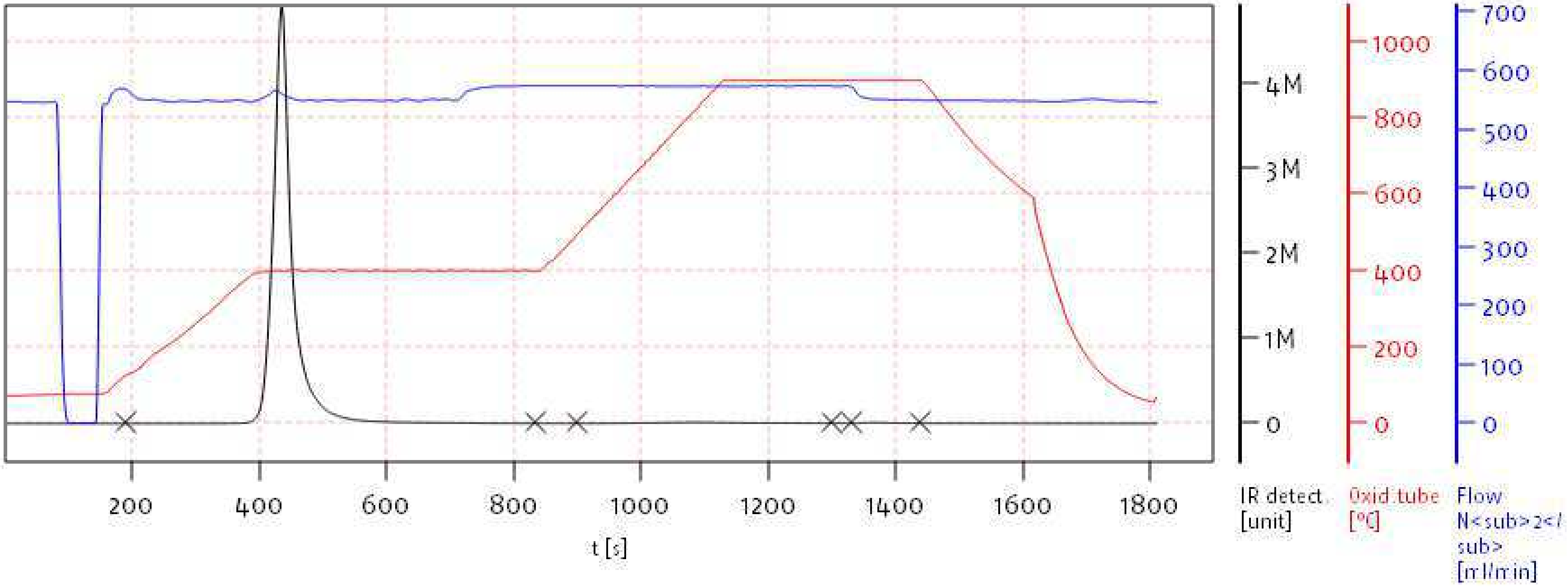
	Pos.	Name	Weight [mg]	Memo	Method	Date Time	Info	TOC [%]	TOC400 Area	TC [%]	ROC [%]	ROC Area	TIC900 Area	TOC400 [%]	TIC900 [%]	TOC400 Factor	TIC900 Factor
88	88	SKL0300-CCV7	21.60		CARBON	12/28/2022 11:53 AM	bl	44.177	6 371 508	44.705	0.000	25 205	100 185	44.177	0.528	0.9715	1.0000



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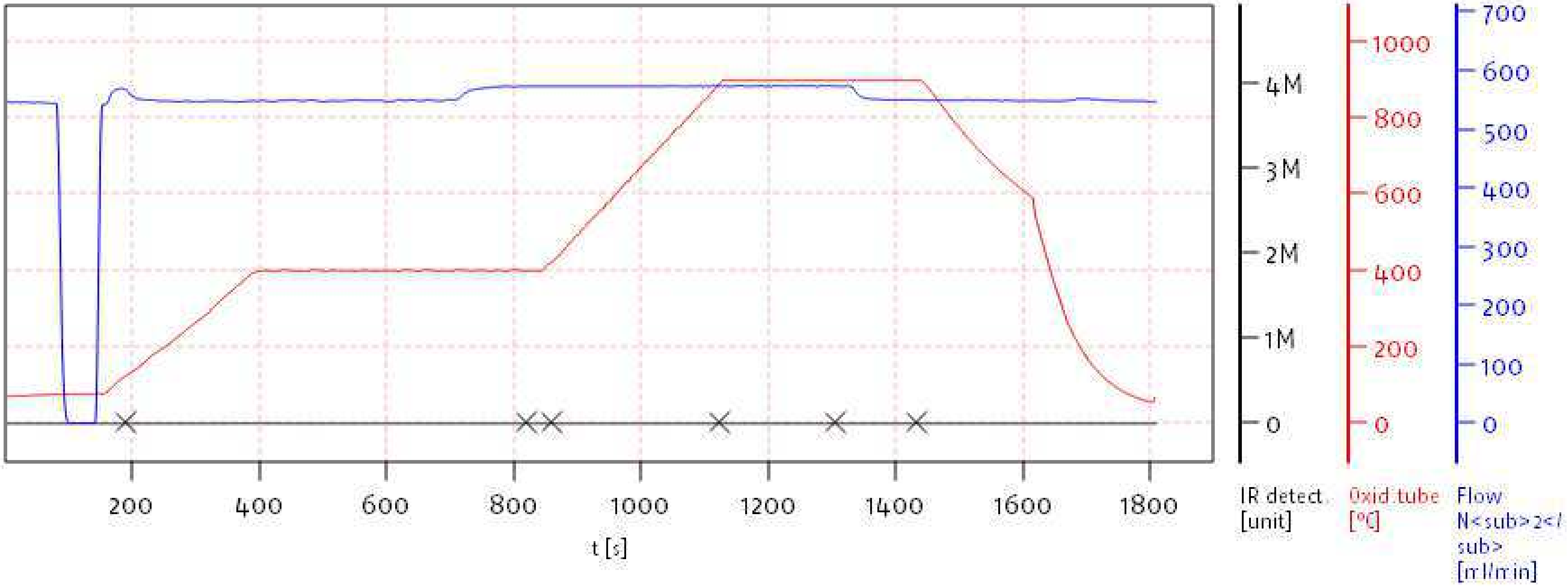
Balance: BAL3
Analyst: DOE

	Pos.	Name	Weight [mg]	Memo	Method	Date Time	Info	TOC [%]	TOC400 Area	TC [%]	ROC [%]	ROC Area	TIC900 Area	TOC400 [%]	TIC900 [%]	TOC400 Factor	TIC900 Factor
89	89	SKL0300-CCB7	510.80		CARBON	12/28/2022 12:24 PM	bl,C3u,C2u	0.000	5 058	0.000	0.000	831	435	0.000	0.000	0.9715	1.0000



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soliTOC V2.0.2 (31015f9) 2018-11-19
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Mode CCC

ANALYSIS BATCH (SEQUENCE) SUMMARY

EPA 9060A m

Laboratory:	Analytical Resources, LLC	SDG:	22L0307
Client:	Anchor QEA, LLC	Project:	AOC4 UR Phase 3
Sequence:	SKL0311	Instrument:	TOC Cube
		Calibration:	FD00070

Sample Name	Lab Sample ID	Lab File ID	Matrix	Analysis Date/Time
Initial Cal Check	SKL0311-ICV1	CubeData_12272022@1526-003	NA	12/24/22 12:50
Initial Cal Blank	SKL0311-ICB1	CubeData_12272022@1526-004	NA	12/24/22 13:21
Calibration Check	SKL0311-CCV1	CubeData_12272022@1526-015	NA	12/24/22 18:55
Calibration Blank	SKL0311-CCB1	CubeData_12272022@1526-016	NA	12/24/22 19:25
Calibration Check	SKL0311-CCV2	CubeData_12272022@1526-027	NA	12/25/22 00:59
Calibration Blank	SKL0311-CCB2	CubeData_12272022@1526-028	NA	12/25/22 01:30
Calibration Check	SKL0311-CCV3	CubeData_12272022@1526-039	NA	12/25/22 07:05
Calibration Blank	SKL0311-CCB3	CubeData_12272022@1526-040	NA	12/25/22 07:35
Calibration Check	SKL0311-CCV4	CubeData_12272022@1526-050	NA	12/25/22 13:11
Calibration Blank	SKL0311-CCB4	CubeData_12272022@1526-051	NA	12/25/22 13:42
MRL Check	BKL0504-MRL1	CubeData_12272022@1526-056	Solid	12/25/22 16:14
Blank	BKL0504-BLK1	CubeData_12272022@1526-057	Solid	12/25/22 16:45
LCS	BKL0504-BS1	CubeData_12272022@1526-058	Solid	12/25/22 17:15
Reference	BKL0504-SRM1	CubeData_12272022@1526-059	Solid	12/25/22 17:45
Calibration Check	SKL0311-CCV5	CubeData_12272022@1526-062	NA	12/25/22 19:16
Calibration Blank	SKL0311-CCB5	CubeData_12272022@1526-063	NA	12/25/22 19:47
LDW22-IT793A	22L0307-01	CubeData_12272022@1526-068	Solid	12/25/22 22:19
LDW22-IT793B	22L0307-02	CubeData_12272022@1526-069	Solid	12/25/22 22:50
LDW22-IT793C	22L0307-03	CubeData_12272022@1526-070	Solid	12/25/22 23:20
LDW22-IT793D	22L0307-04	CubeData_12272022@1526-071	Solid	12/25/22 23:51
LDW22-IT793D-FD	22L0307-05	CubeData_12272022@1526-072	Solid	12/26/22 00:21
LDW22-IT793E	22L0307-06	CubeData_12272022@1526-073	Solid	12/26/22 00:52
Calibration Check	SKL0311-CCV6	CubeData_12272022@1526-074	NA	12/26/22 01:22
Calibration Blank	SKL0311-CCB6	CubeData_12272022@1526-075	NA	12/26/22 01:53
LDW22-IT793F	22L0307-07	CubeData_12272022@1526-076	Solid	12/26/22 02:23
LDW22-IT795B	22L0307-08	CubeData_12272022@1526-077	Solid	12/26/22 02:54
LDW22-IT795C	22L0307-09	CubeData_12272022@1526-078	Solid	12/26/22 03:24
LDW22-IT795C-FD	22L0307-10	CubeData_12272022@1526-079	Solid	12/26/22 03:55
LDW22-IT795D	22L0307-11	CubeData_12272022@1526-080	Solid	12/26/22 04:25

ANALYSIS BATCH (SEQUENCE) SUMMARY

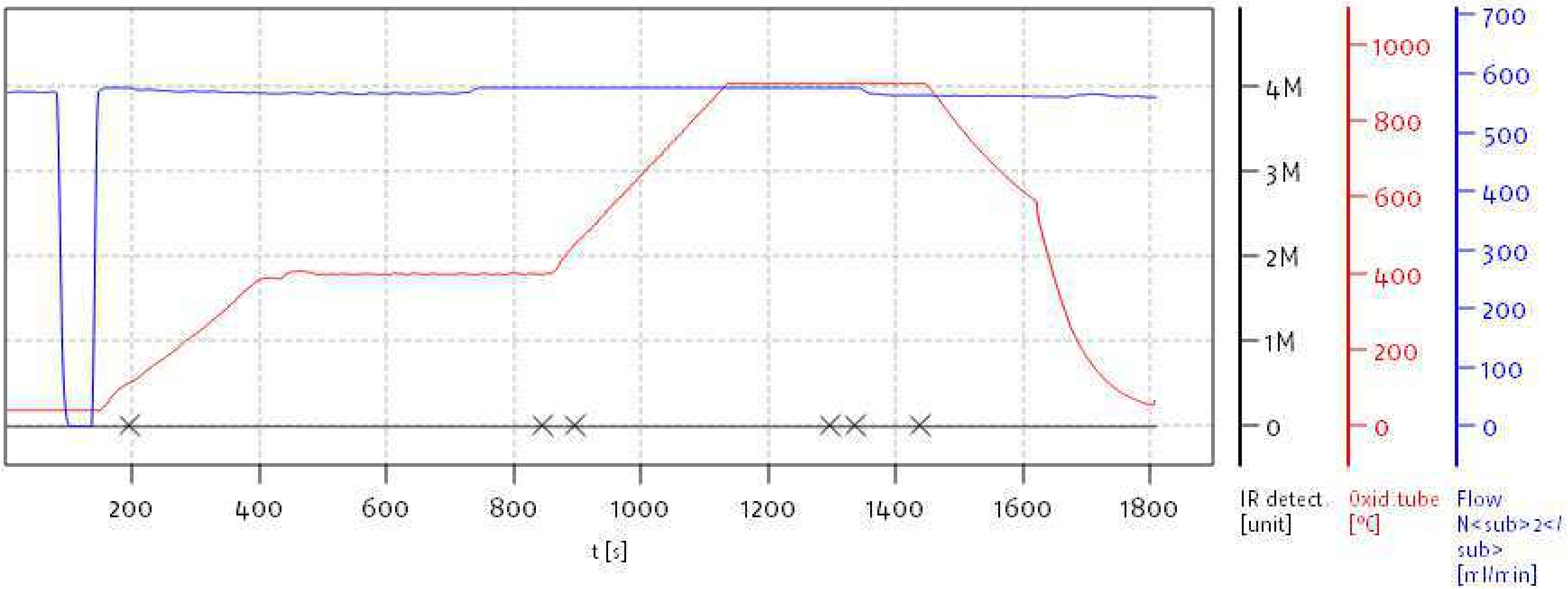
EPA 9060A m

Laboratory:	Analytical Resources, LLC	SDG:	22L0307
Client:	Anchor QEA, LLC	Project:	AOC4 UR Phase 3
Sequence:	SKL0311	Instrument:	TOC Cube
		Calibration:	FD00070

Sample Name	Lab Sample ID	Lab File ID	Matrix	Analysis Date/Time
LDW22-IT795E	22L0307-12	CubeData_12272022@1526-081	Solid	12/26/22 04:56
LDW22-IT795F	22L0307-13	CubeData_12272022@1526-082	Solid	12/26/22 05:27
LDW22-IT795G	22L0307-14	CubeData_12272022@1526-083	Solid	12/26/22 05:58
LDW22-IT806A	22L0307-15	CubeData_12272022@1526-084	Solid	12/26/22 06:28
LDW22-IT806B	22L0307-16	CubeData_12272022@1526-085	Solid	12/26/22 06:59
Calibration Check	SKL0311-CCV7	CubeData_12272022@1526-086	NA	12/26/22 07:29
Calibration Blank	SKL0311-CCB7	CubeData_12272022@1526-087	NA	12/26/22 08:00

Soli TOC Cube, Carbon
Balance: BAL3
Analyst: DOE

	Pos.	Name	Weight [mg]	Memo	Method	Date Time	Info	TOC [%]	TOC400 Area	TC [%]	ROC [%]	ROC Area	TIC900 Area	TOC400 [%]	TIC900 [%]	TOC400 Factor	TIC900 Factor
1	1	BLANK	1.00		CARBON	12/24/2022 11:19 AM	bl	0.000	10 471	0.000	0.000	1 452	4 672	0.000	0.000	1.0000	1.0000



Name:

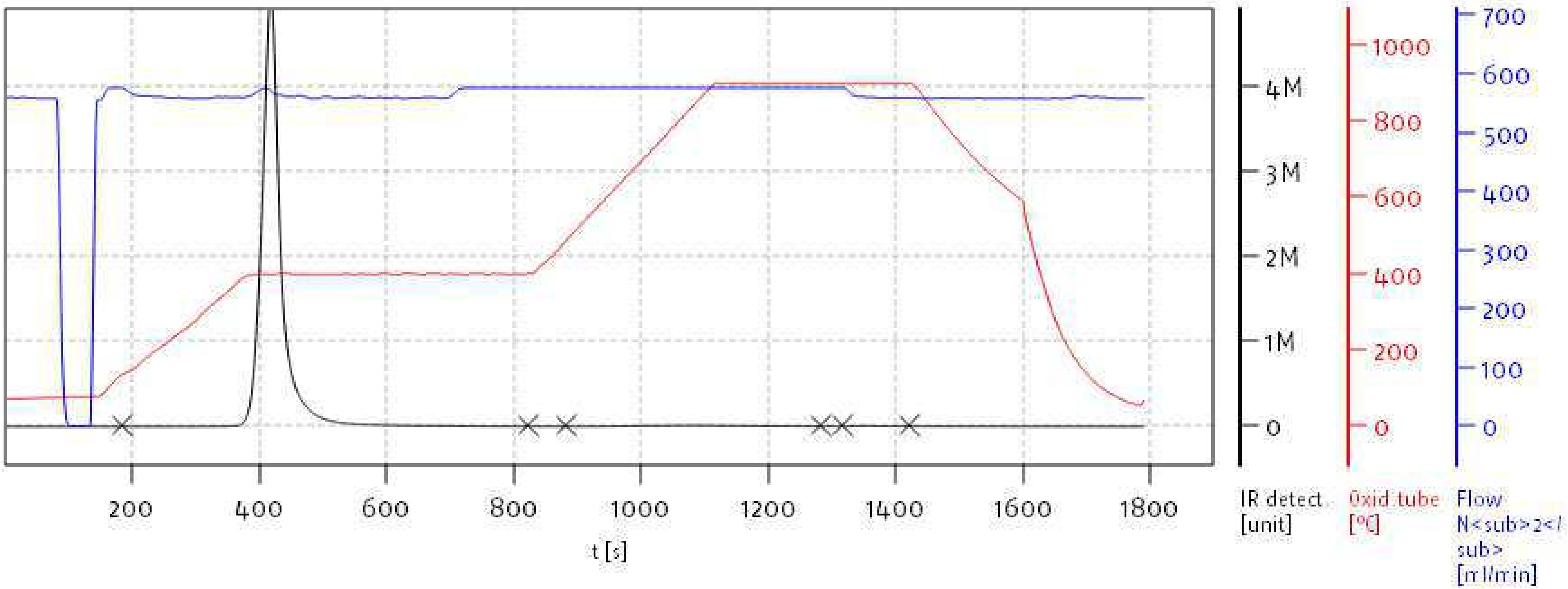
Access: soliTOC superuser

Date: Mon Dec 26 13:49:33 2022

soliTOC V2.0.2 (31015f9) 2018-11-19
Serial No: 0300.181017
Mode CCC

Soli TOC Cube, Carbon
Balance: BAL3
Analyst: DOE

	Pos.	Name	Weight [mg]	Memo	Method	Date Time	Info	TOC [%]	TOC400 Area	TC [%]	ROC [%]	ROC Area	TIC900 Area	TOC400 [%]	TIC900 [%]	TOC400 Factor	TIC900 Factor
2	2	Dfactor	22.30		CARBON	12/24/2022 11:49 AM	bl	44.446	6 626 733	45.006	0.000	21 653	107 298	44.446	0.561	0.9701	1.0000



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Serial No: 0300.181017
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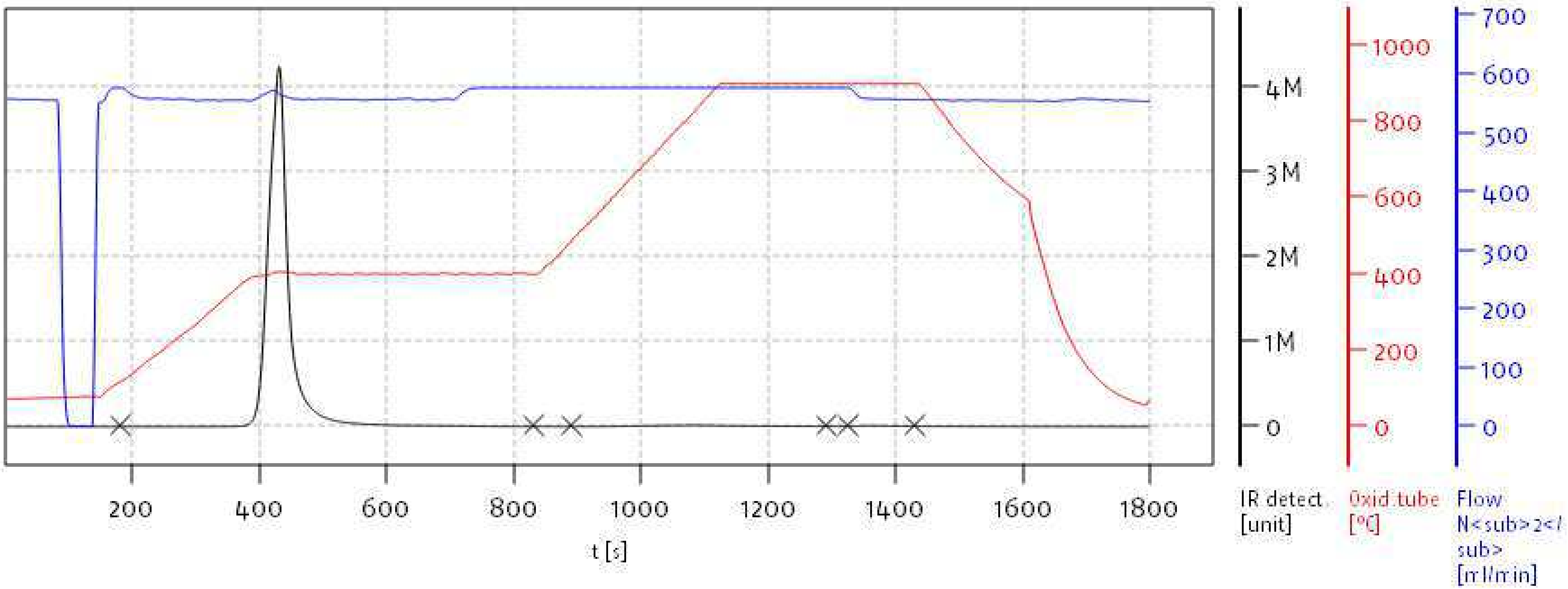
Soli TOC Cube, Carbon
Balance: BAL3
Analyst: DOE

	Pos.	Name	Weight [mg]	Memo	Method	Date Time	Info	TOC [%]	TOC400 Area	TC [%]	ROC [%]	ROC Area	TIC900 Area	TOC400 [%]	TIC900 [%]	TOC400 Factor	TIC900 Factor
3	3	Dfactor	19.80		CARBON	12/24/2022 12:20 PM	bl	44.467	5 830 758	45.176	0.021	29 250	117 190	44.446	0.709	0.9794	1.0000



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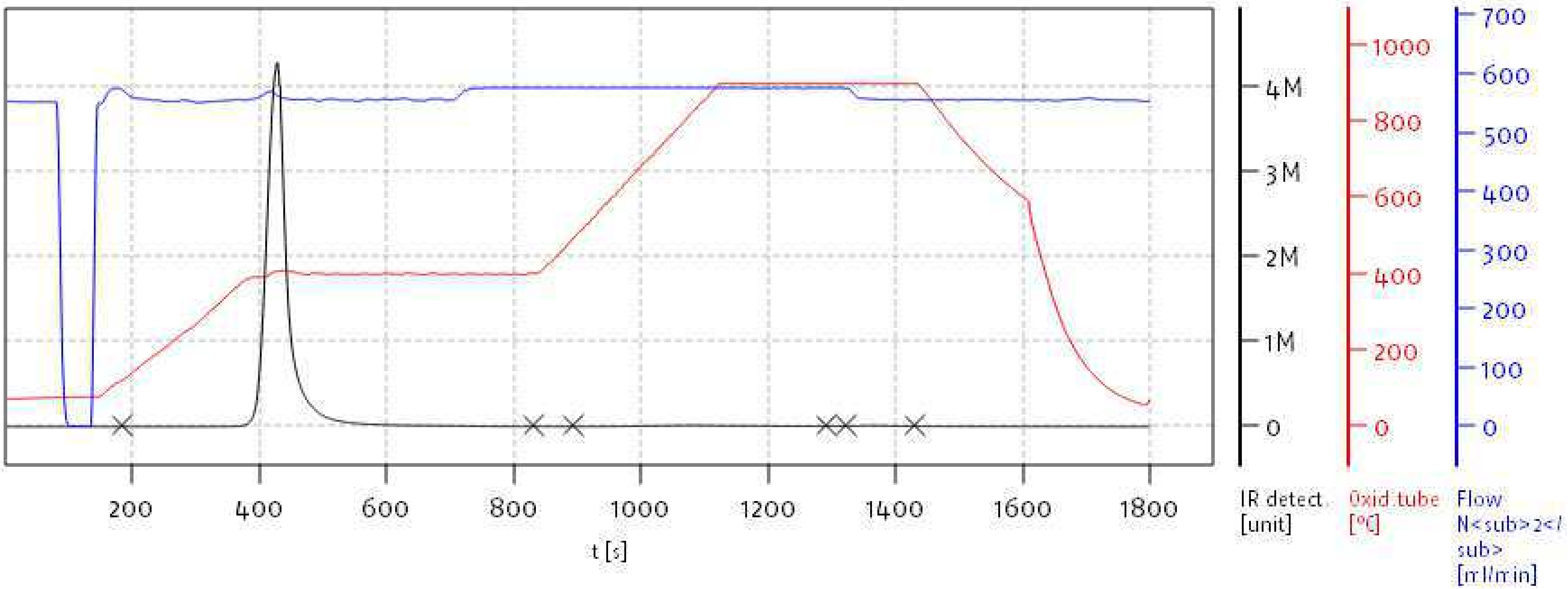
Mode CCC

Soli TOC Cube, Carbon
Balance: BAL3
Analyst: DOE

	Pos.	Name	Weight [mg]	Memo	Method	Date Time	Info	TOC [%]	TOC400 Area	TC [%]	ROC [%]	ROC Area	TIC900 Area	TOC400 [%]	TIC900 [%]	TOC400 Factor	TIC900 Factor
4	4	SKL0311-ICV1	21.10		CARBON	12/24/2022 12:50 PM	bl	43.551	6 110 040	44.187	0.046	32 739	113 320	43.505	0.637	0.9747	1.0000



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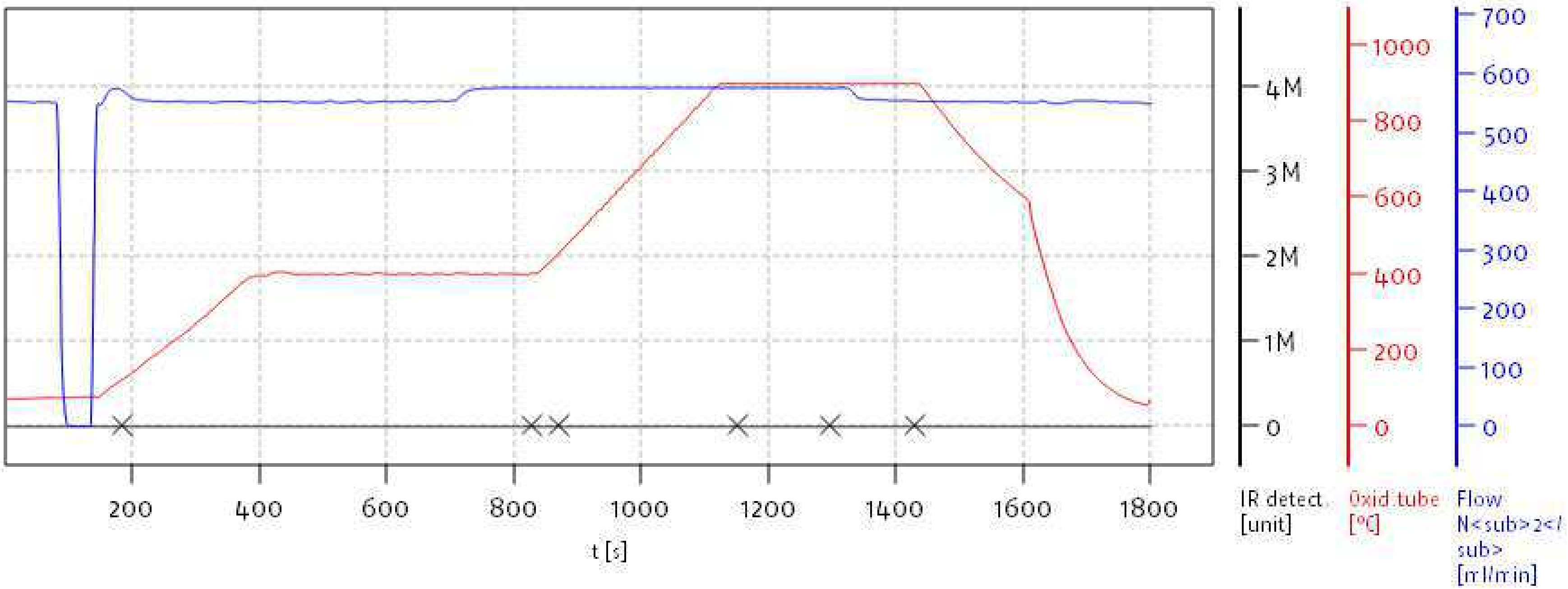
Serial No: 0300.181017
Mode CCC

Soli TOC Cube, Carbon
Balance: BAL3
Analyst: DOE

	Pos.	Name	Weight [mg]	Memo	Method	Date Time	Info	TOC [%]	TOC400 Area	TC [%]	ROC [%]	ROC Area	TIC900 Area	TOC400 [%]	TIC900 [%]	TOC400 Factor	TIC900 Factor
5	5	SKL0311-ICB1	516.00		CARBON	12/24/2022 1:21 PM	bl,C3u,C2u	0.000	5 460	0.000	0.000	1 161	2 287	0.000	0.000	0.9747	1.0000



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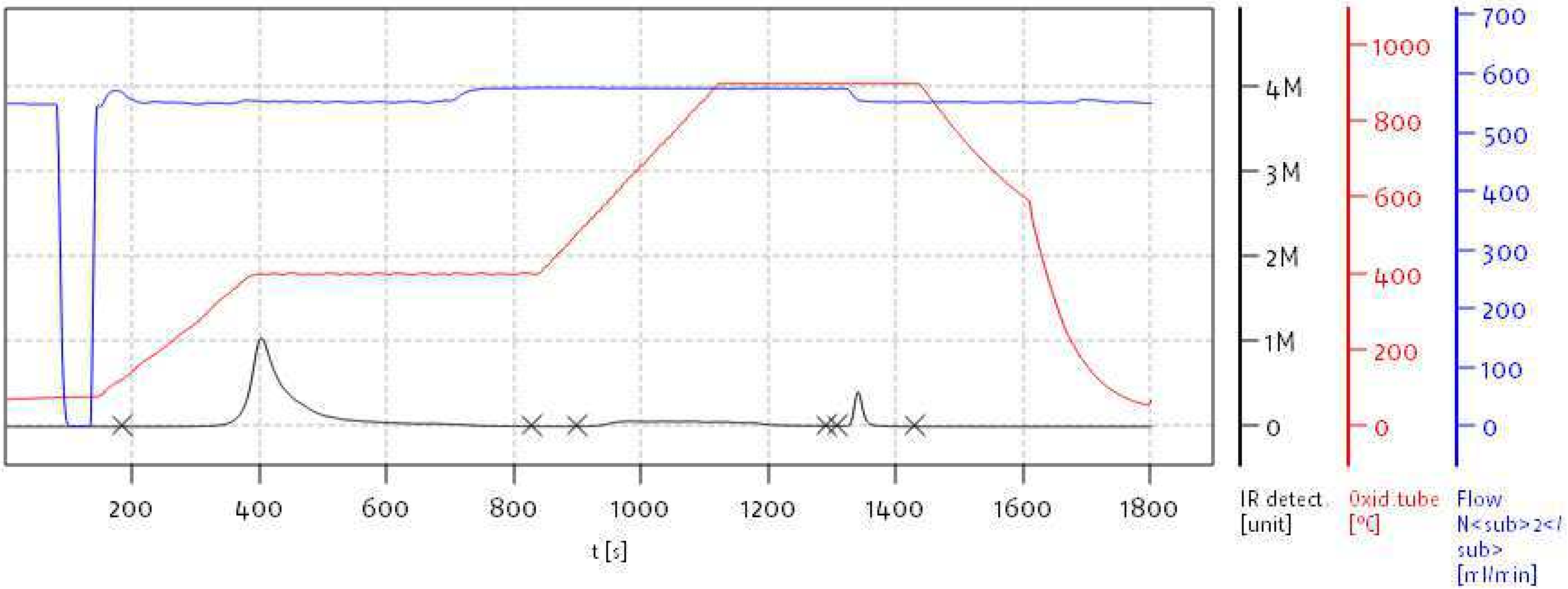
Soli TOC Cube, Carbon
Balance: BAL3
Analyst: DOE

	Pos.	Name	Weight [mg]	Memo	Method	Date Time	Info	TOC [%]	TOC400 Area	TC [%]	ROC [%]	ROC Area	TIC900 Area	TOC400 [%]	TIC900 [%]	TOC400 Factor	TIC900 Factor
6	6	22L0246-10	525.90		CARBON	12/24/2022 1:51 PM	bl	0.875	2 840 035	1.036	0.068	256 201	572 530	0.807	0.161	0.9747	1.0000



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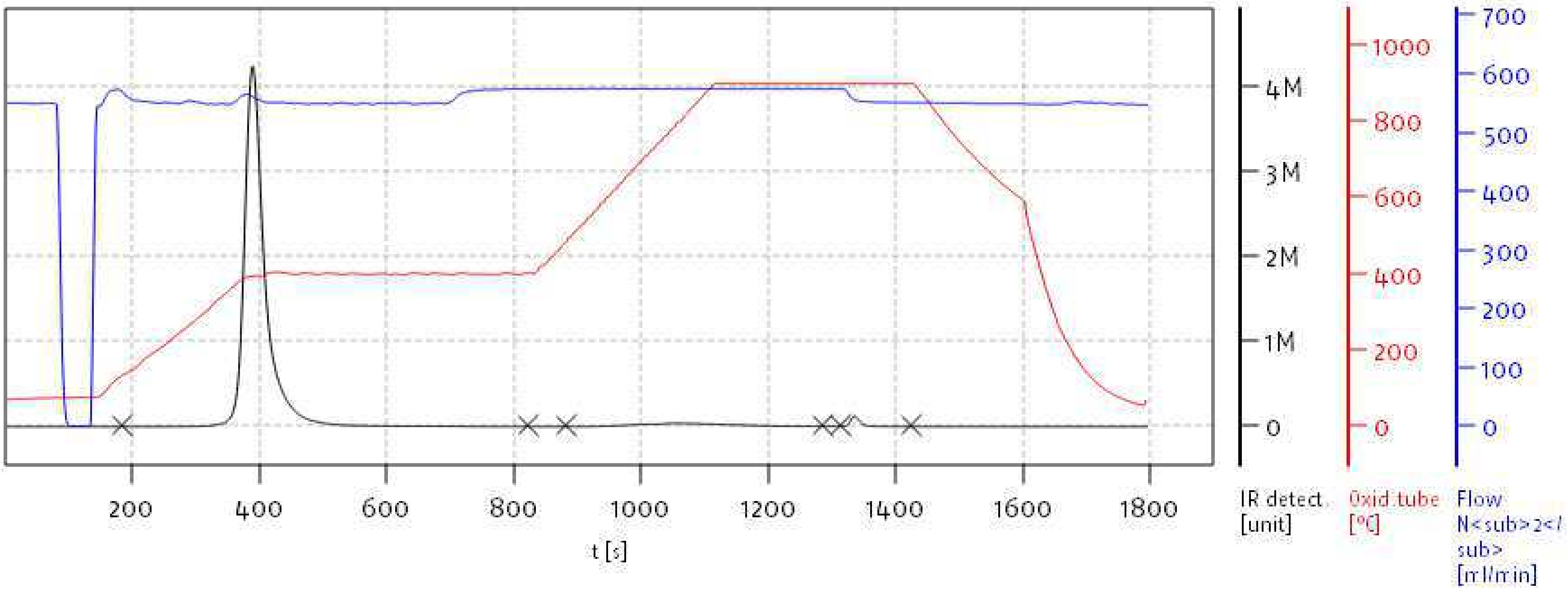
Soli TOC Cube, Carbon
Balance: BAL3
Analyst: DOE

	Pos.	Name	Weight [mg]	Memo	Method	Date Time	Info	TOC [%]	TOC400 Area	TC [%]	ROC [%]	ROC Area	TIC900 Area	TOC400 [%]	TIC900 [%]	TOC400 Factor	TIC900 Factor
7	7	22L0246-11	528.60		CARBON	12/24/2022 2:21 PM	bl	1.716	5 979 485	1.783	0.017	84 132	254 353	1.699	0.067	0.9747	1.0000



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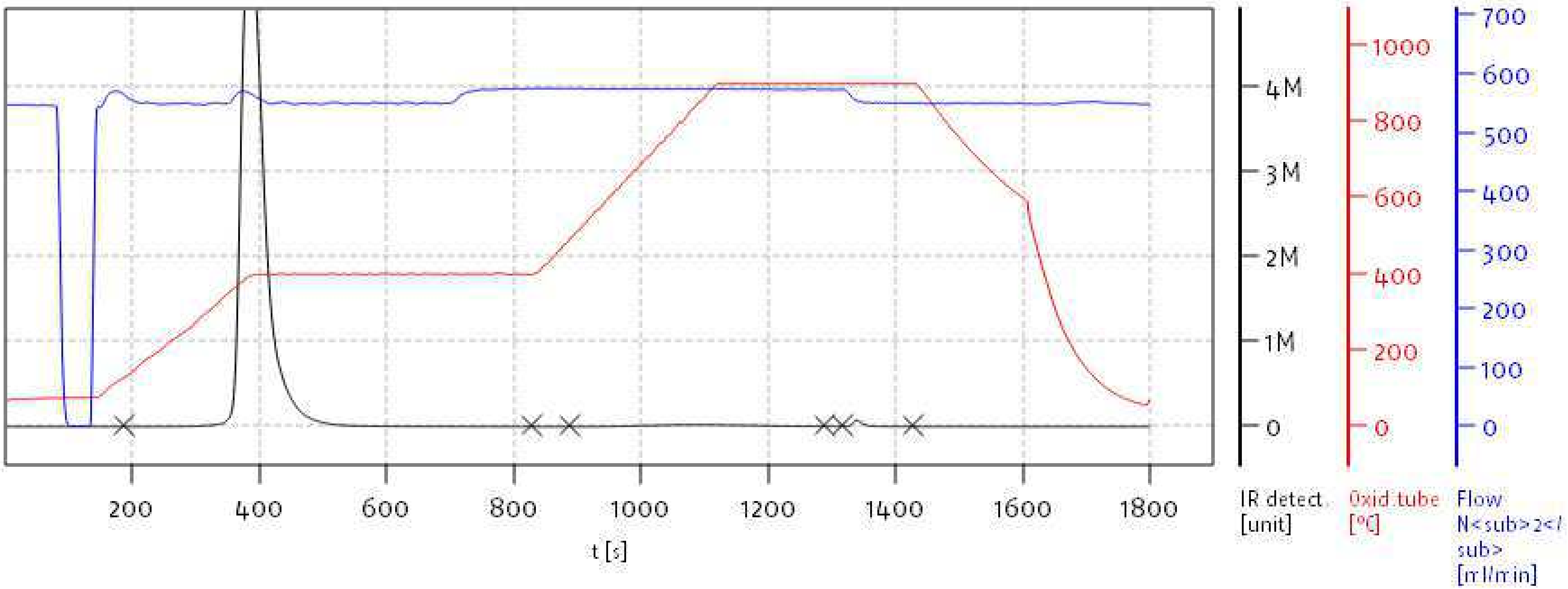
Mode CCC

elementar
EXCELLENCE IN ELEMENTS

Soli TOC Cube, Carbon
Balance: BAL3
Analyst: DOE

	Pos.	Name	Weight [mg]	Memo	Method	Date Time	Info	TOC [%]	TOC400 Area	TC [%]	ROC [%]	ROC Area	TIC900 Area	TOC400 [%]	TIC900 [%]	TOC400 Factor	TIC900 Factor
8	8	22L0246-12	534.60		CARBON	12/24/2022 2:52 PM	bl	2.630	9 313 136	2.668	0.008	55 641	159 598	2.621	0.039	0.9747	1.0000



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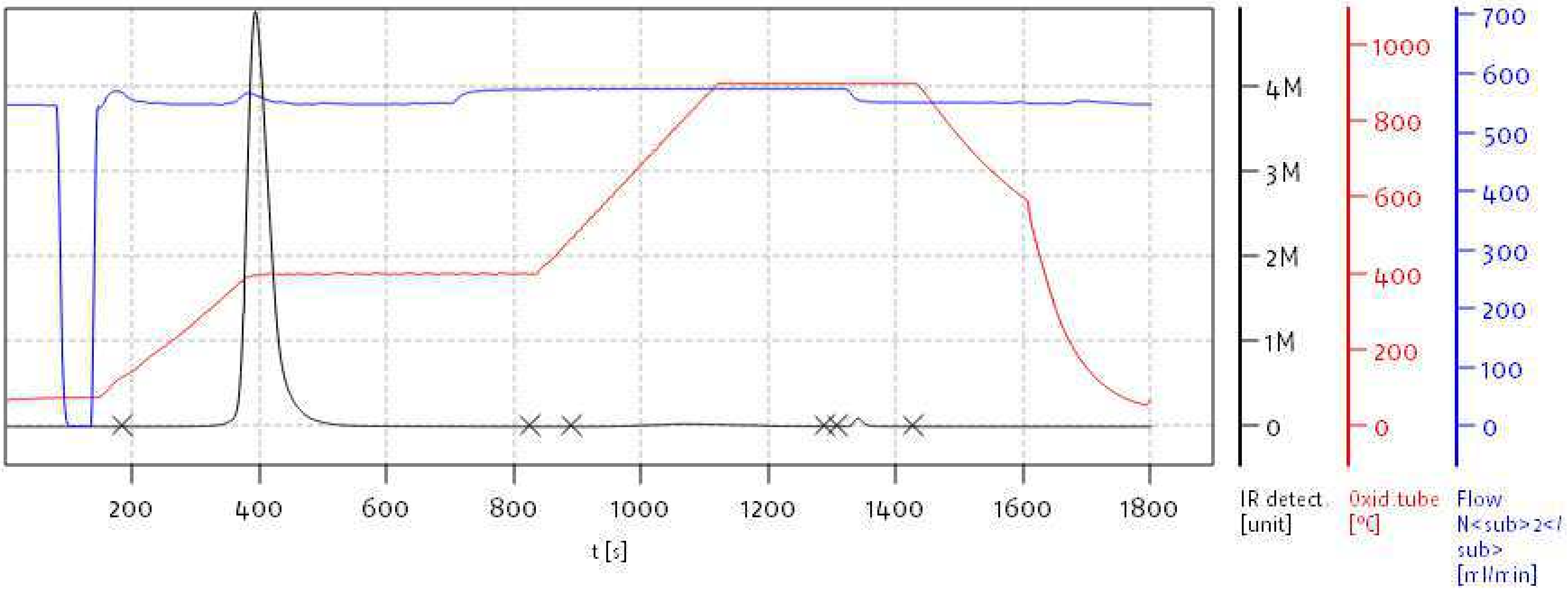
Soli TOC Cube, Carbon
Balance: BAL3
Analyst: DOE

	Pos.	Name	Weight [mg]	Memo	Method	Date Time	Info	TOC [%]	TOC400 Area	TC [%]	ROC [%]	ROC Area	TIC900 Area	TOC400 [%]	TIC900 [%]	TOC400 Factor	TIC900 Factor
9	9	22L0246-13	559.40		CARBON	12/24/2022 3:22 PM	bl	2.094	7 747 378	2.142	0.012	68 145	199 655	2.083	0.048	0.9747	1.0000



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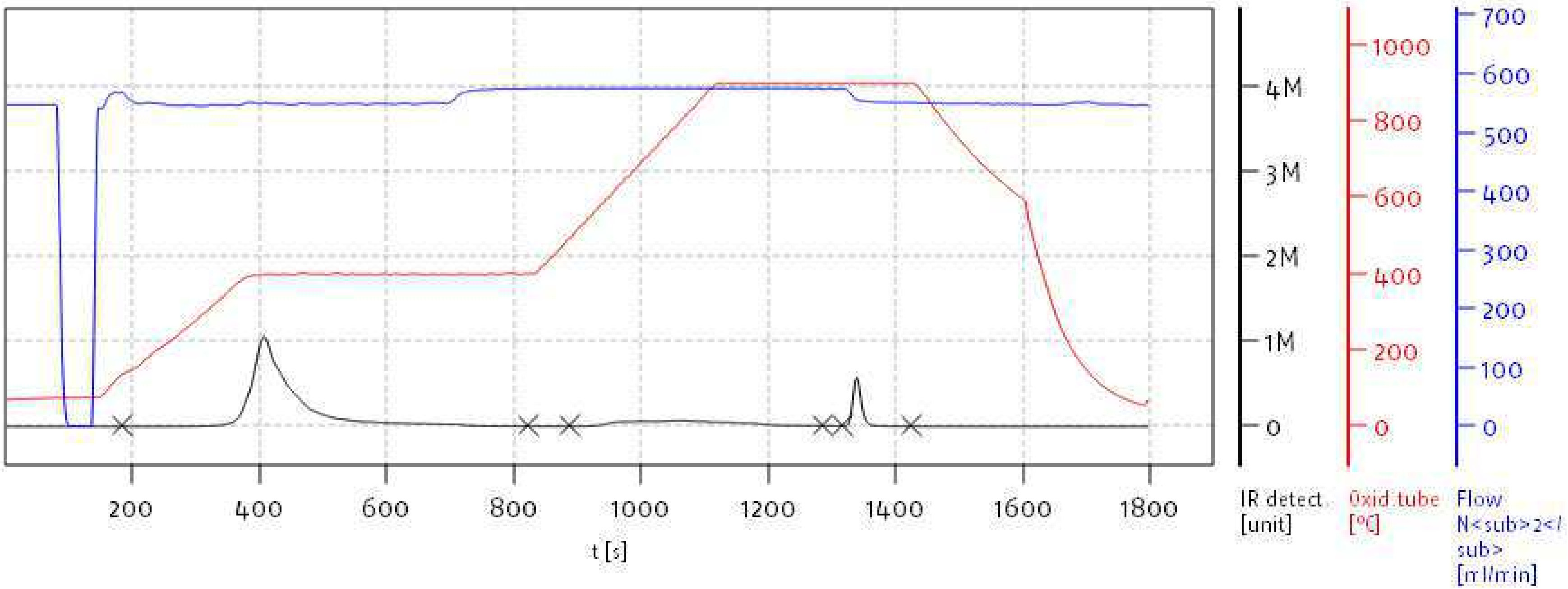
Soli TOC Cube, Carbon
Balance: BAL3
Analyst: DOE

	Pos.	Name	Weight [mg]	Memo	Method	Date Time	Info	TOC [%]	TOC400 Area	TC [%]	ROC [%]	ROC Area	TIC900 Area	TOC400 [%]	TIC900 [%]	TOC400 Factor	TIC900 Factor
10	10	22L0246-14	522.40		CARBON	12/24/2022 3:52 PM	bl	0.942	2 962 771	1.107	0.094	344 742	581 166	0.848	0.164	0.9747	1.0000



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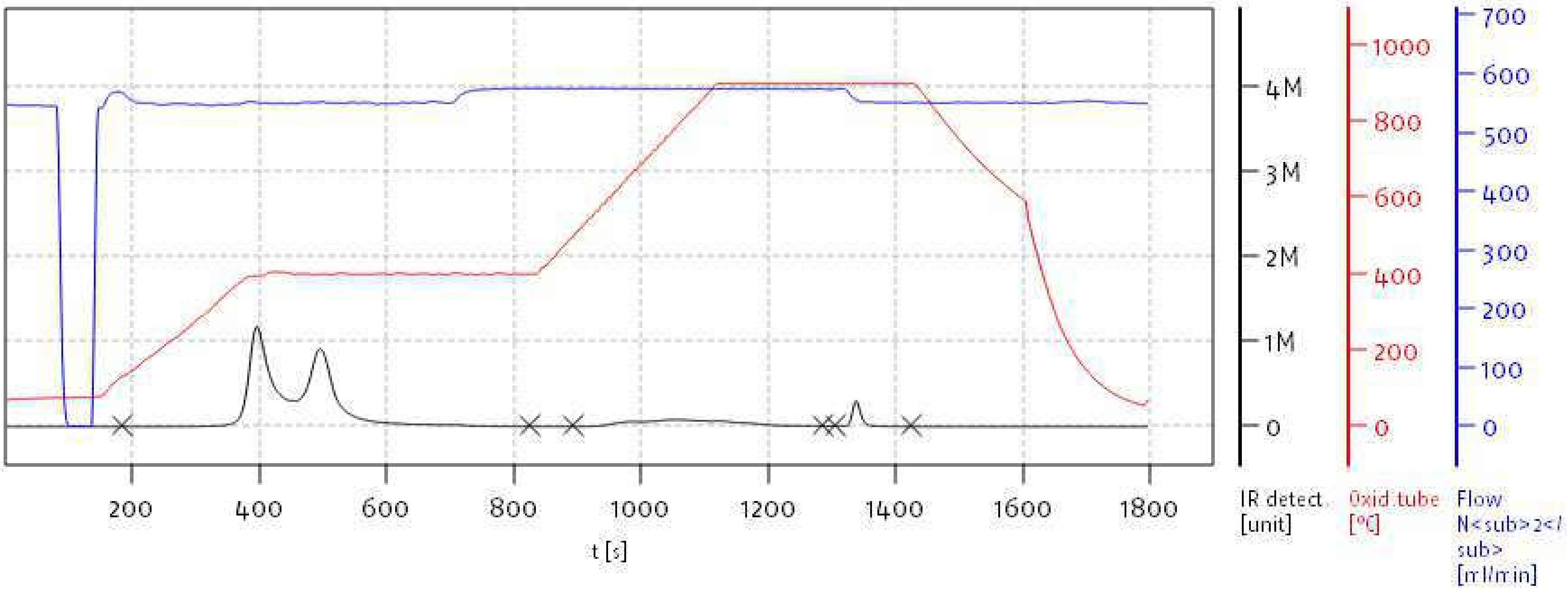
Mode CCC

elementar
EXCELLENCE IN ELEMENTS

Soli TOC Cube, Carbon
Balance: BAL3
Analyst: DOE

	Pos.	Name	Weight [mg]	Memo	Method	Date Time	Info	TOC [%]	TOC400 Area	TC [%]	ROC [%]	ROC Area	TIC900 Area	TOC400 [%]	TIC900 [%]	TOC400 Factor	TIC900 Factor
11	11	22L0246-15	521.50		CARBON	12/24/2022 4:23 PM	bl	1.159	3 869 718	1.329	0.047	185 573	597 043	1.112	0.169	0.9747	1.0000



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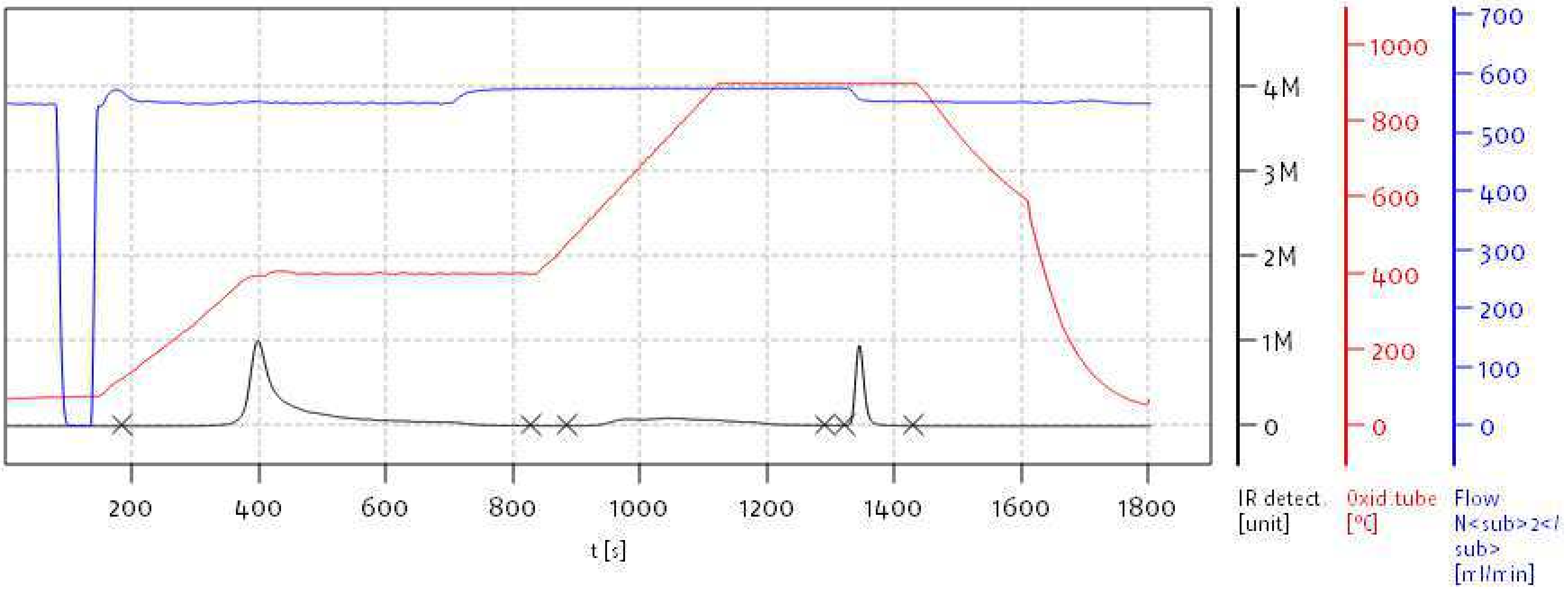
Soli TOC Cube, Carbon
Balance: BAL3
Analyst: DOE

	Pos.	Name	Weight [mg]	Memo	Method	Date Time	Info	TOC [%]	TOC400 Area	TC [%]	ROC [%]	ROC Area	TIC900 Area	TOC400 [%]	TIC900 [%]	TOC400 Factor	TIC900 Factor
12	12	22L0246-16	519.40		CARBON	12/24/2022 4:53 PM	bl	0.898	2 543 498	1.105	0.167	586 311	719 945	0.731	0.207	0.9747	1.0000



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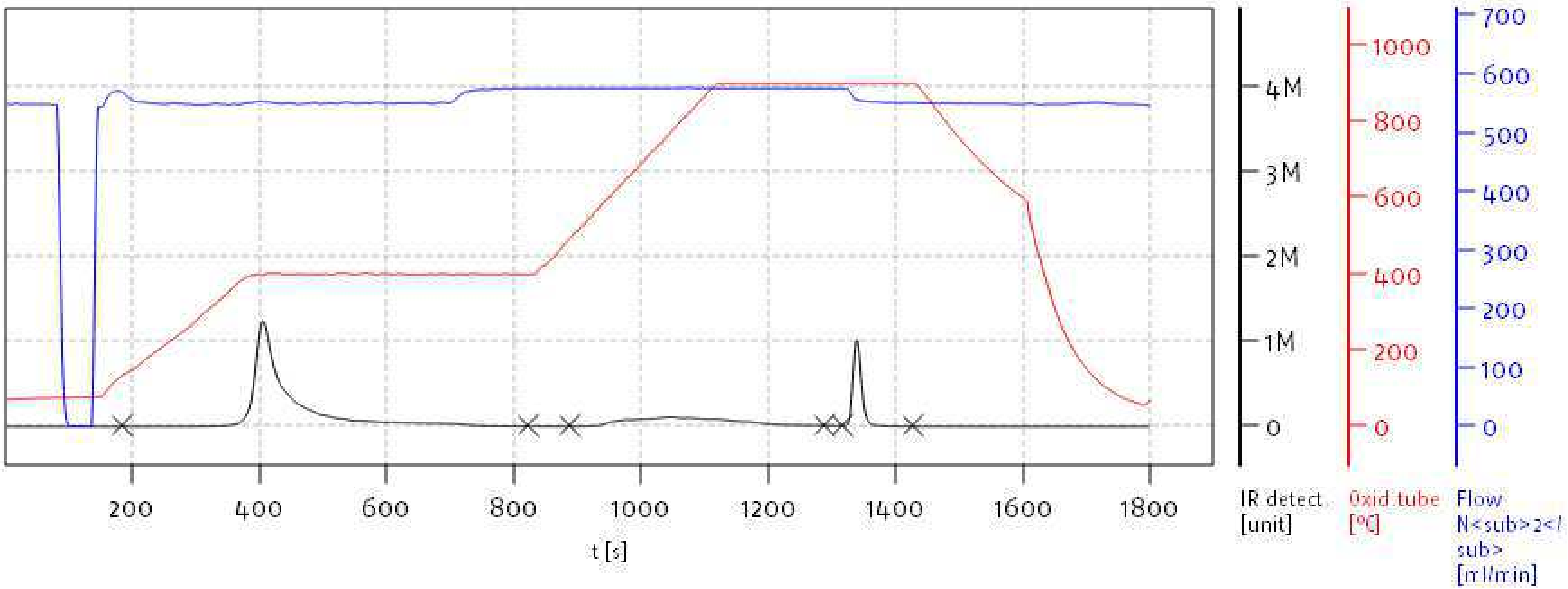
Soli TOC Cube, Carbon
Balance: BAL3
Analyst: DOE

	Pos.	Name	Weight [mg]	Memo	Method	Date Time	Info	TOC [%]	TOC400 Area	TC [%]	ROC [%]	ROC Area	TIC900 Area	TOC400 [%]	TIC900 [%]	TOC400 Factor	TIC900 Factor
13	13	22L0246-17	542.00		CARBON	12/24/2022 5:24 PM	bl	0.923	2 749 530	1.155	0.165	605 385	837 714	0.758	0.232	0.9747	1.0000



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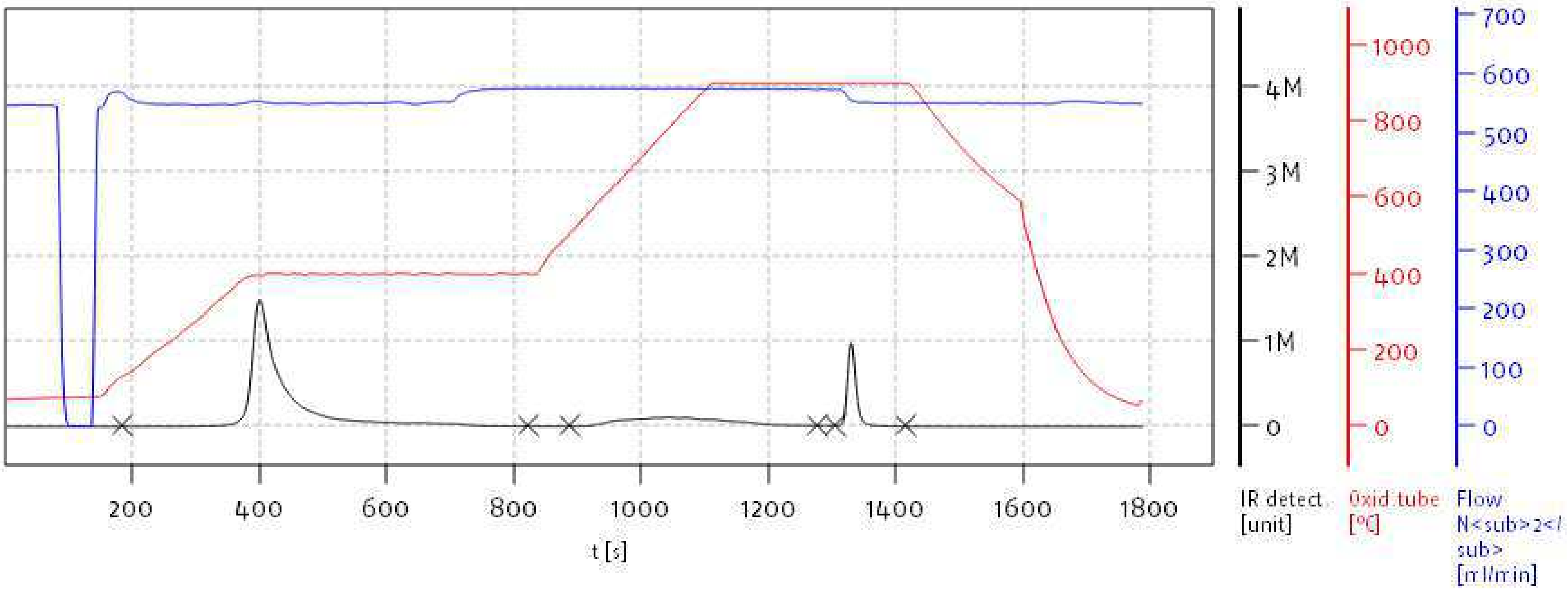
Serial No: 0300.181017
Mode CCC

elementar
EXCELLENCE IN ELEMENTS

Soli TOC Cube, Carbon
Balance: BAL3
Analyst: DOE

	Pos.	Name	Weight [mg]	Memo	Method	Date Time	Info	TOC [%]	TOC400 Area	TC [%]	ROC [%]	ROC Area	TIC900 Area	TOC400 [%]	TIC900 [%]	TOC400 Factor	TIC900 Factor
14	14	22L0246-18	501.60		CARBON	12/24/2022 5:54 PM	bl	1.119	3 161 990	1.366	0.176	597 680	825 417	0.943	0.247	0.9747	1.0000



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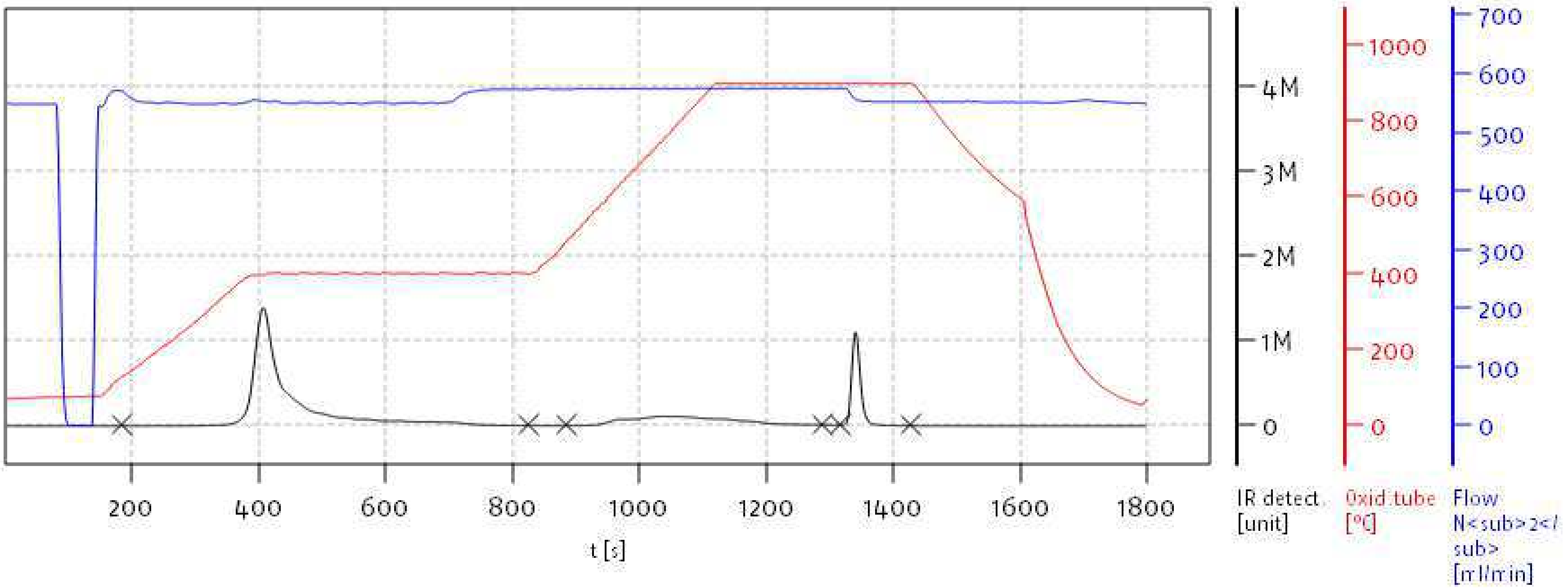
Serial No: 0300.181017
Mode CCC

Soli TOC Cube, Carbon
Balance: BAL3
Analyst: DOE

	Pos.	Name	Weight [mg]	Memo	Method	Date Time	Info	TOC [%]	TOC400 Area	TC [%]	ROC [%]	ROC Area	TIC900 Area	TOC400 [%]	TIC900 [%]	TOC400 Factor	TIC900 Factor
15	15	22L0246-19	541.50		CARBON	12/24/2022 6:24 PM	bl	1.037	3 084 659	1.275	0.185	673 493	860 179	0.852	0.238	0.9747	1.0000



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elementar
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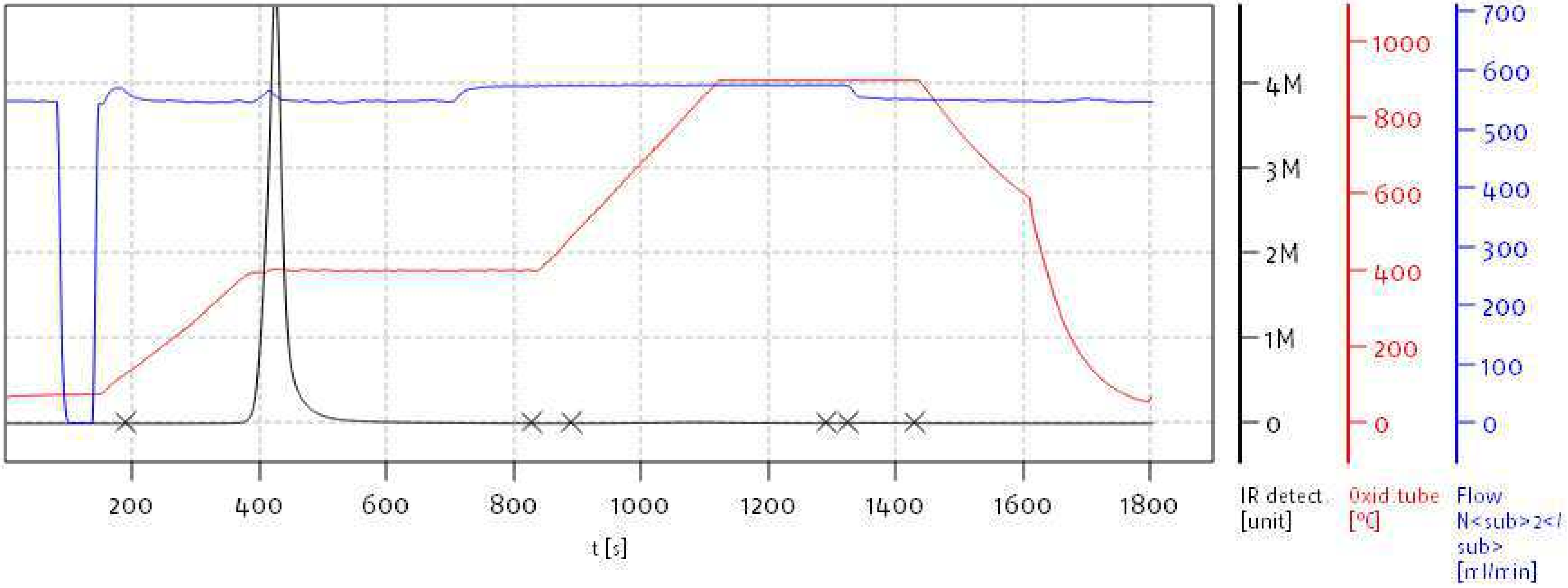
Soli TOC Cube, Carbon
Balance: BAL3
Analyst: DOE

	Pos.	Name	Weight [mg]	Memo	Method	Date Time	Info	TOC [%]	TOC400 Area	TC [%]	ROC [%]	ROC Area	TIC900 Area	TOC400 [%]	TIC900 [%]	TOC400 Factor	TIC900 Factor
16	16	SKL0311-CCV1	20.20		CARBON	12/24/2022 6:55 PM	bl	44.365	5 965 689	44.904	0.000	20 657	96 914	44.365	0.539	0.9747	1.0000



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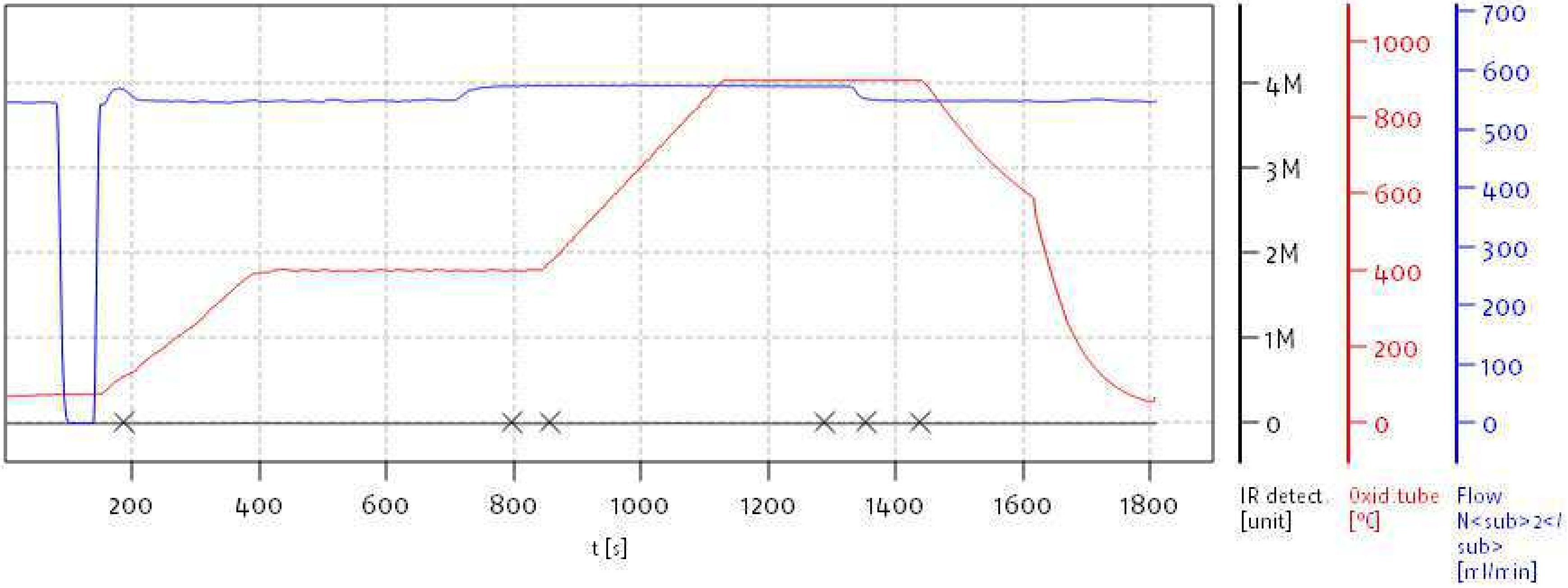
elementar
EXCELLENCE IN ELEMENTS

soliTOC V2.0.2 (31015f9) 2018-11-19
Serial No: 0300.181017
Mode CCC

	Pos.	Name	Weight [mg]	Memo	Method	Date Time	Info	TOC [%]	TOC400 Area	TC [%]	ROC [%]	ROC Area	TIC900 Area	TOC400 [%]	TIC900 [%]	TOC400 Factor	TIC900 Factor
17	17	SKL0311-CCB1	539.00		CARBON	12/24/2022 7:25 PM	bl,C2u	0.000	13 755	0.000	0.000	453	10 875	0.000	0.000	0.9747	1.0000



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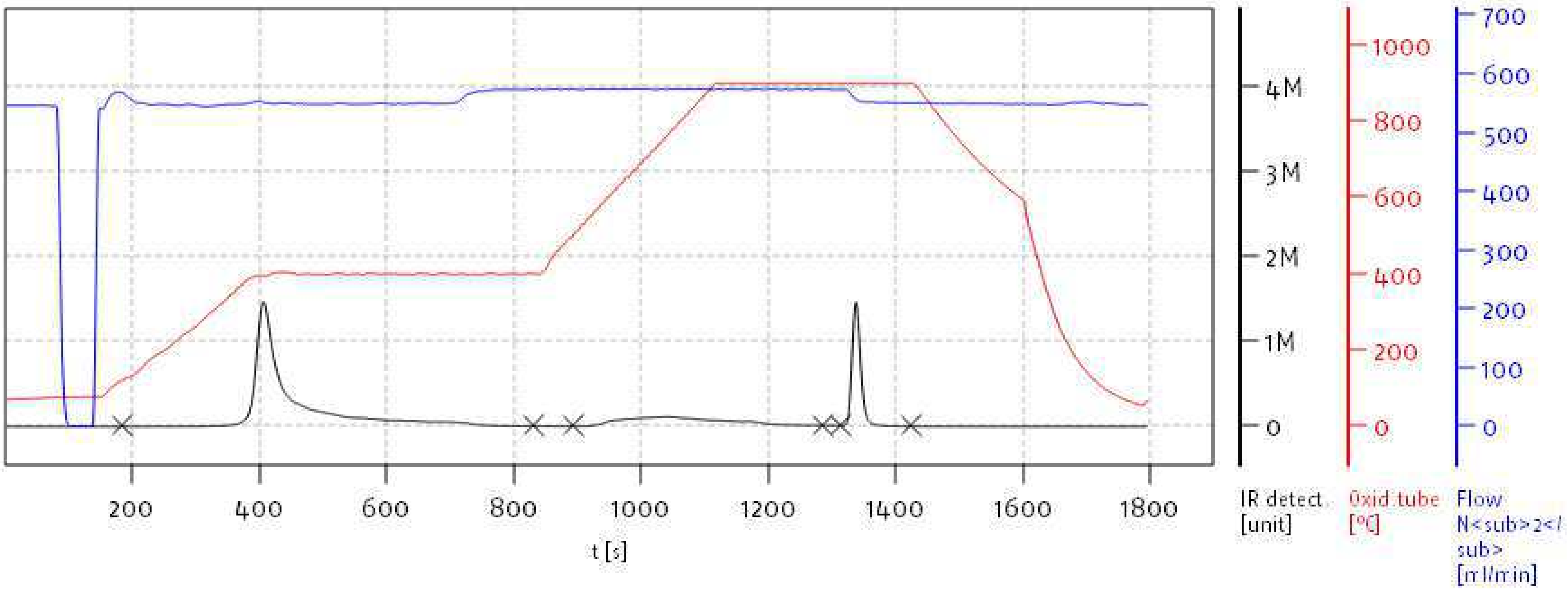
Mode CCC

Soli TOC Cube, Carbon
Balance: BAL3
Analyst: DOE

	Pos.	Name	Weight [mg]	Memo	Method	Date Time	Info	TOC [%]	TOC400 Area	TC [%]	ROC [%]	ROC Area	TIC900 Area	TOC400 [%]	TIC900 [%]	TOC400 Factor	TIC900 Factor
18	18	22L0246-20	505.90		CARBON	12/24/2022 7:55 PM	bl	1.199	3 172 682	1.460	0.261	879 564	879 015	0.938	0.261	0.9747	1.0000



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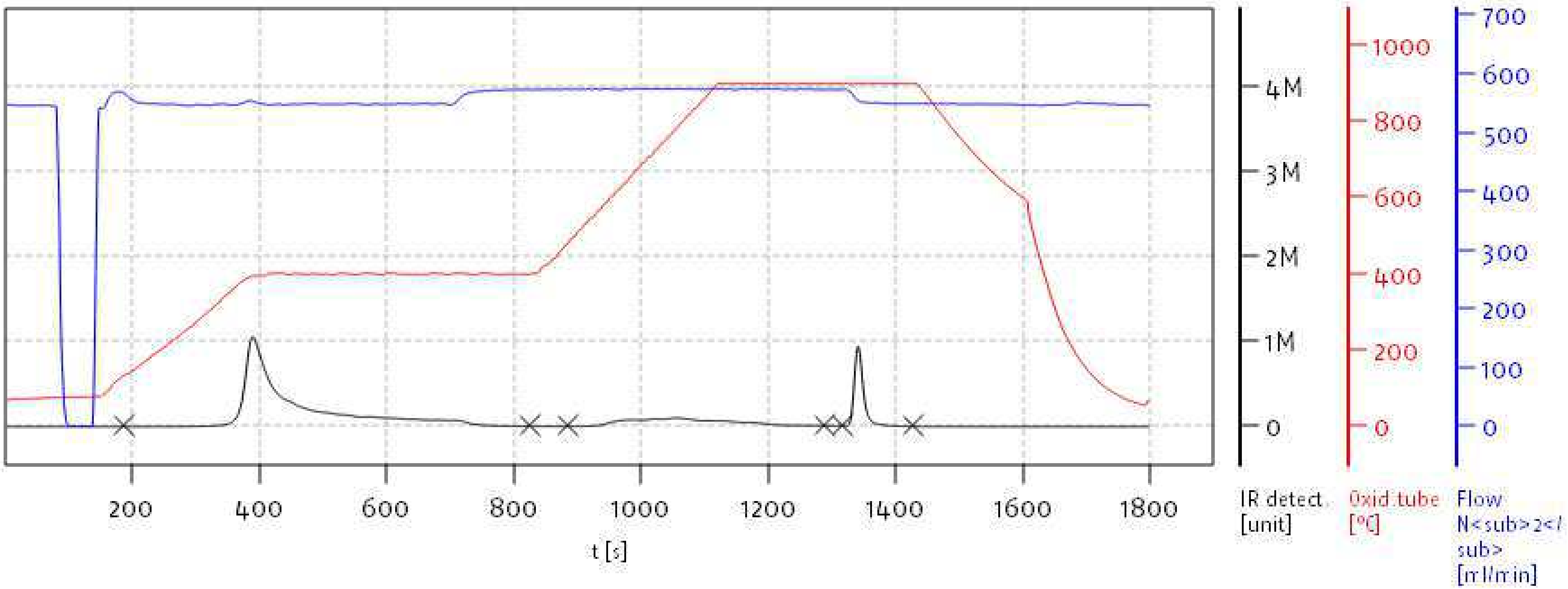
Soli TOC Cube, Carbon
Balance: BAL3
Analyst: DOE

	Pos.	Name	Weight [mg]	Memo	Method	Date Time	Info	TOC [%]	TOC400 Area	TC [%]	ROC [%]	ROC Area	TIC900 Area	TOC400 [%]	TIC900 [%]	TOC400 Factor	TIC900 Factor
19	19	22L0246-21	501.10		CARBON	12/24/2022 8:26 PM	bl	1.127	3 178 966	1.352	0.178	602 564	752 785	0.949	0.224	0.9747	1.0000



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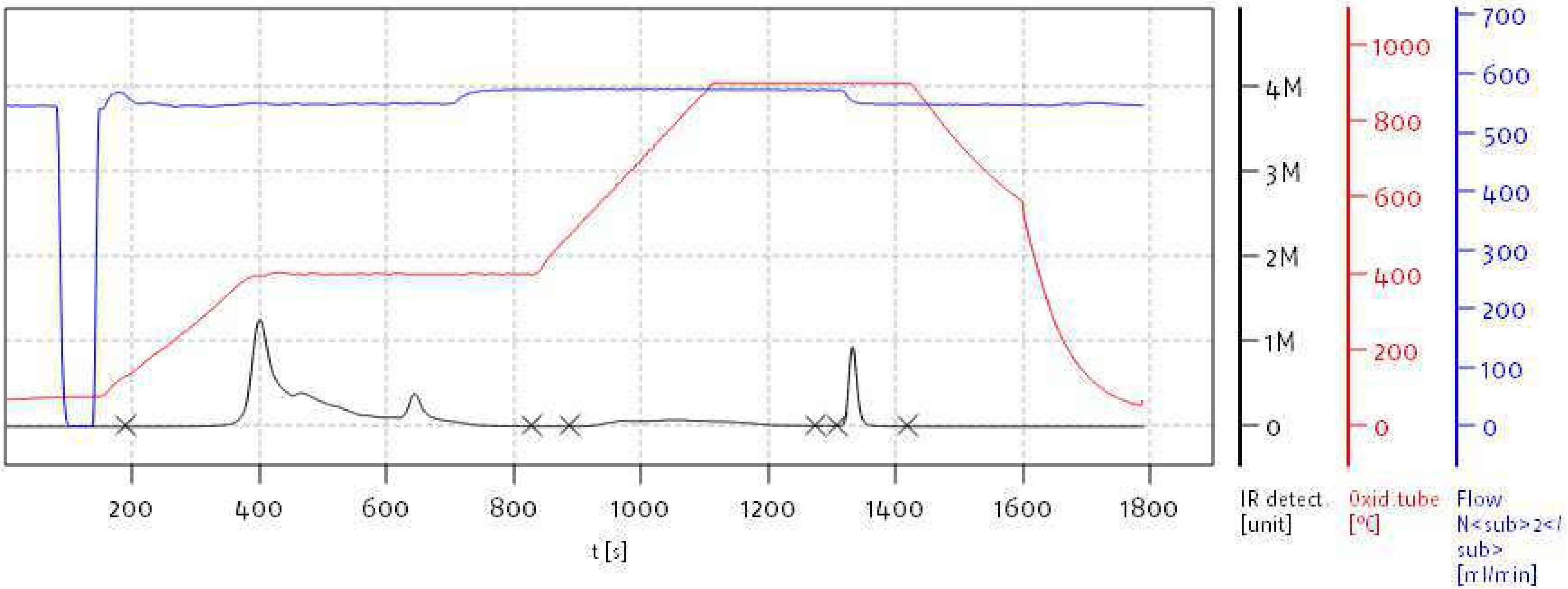
Balance: BAL3
Analyst: DOE

	Pos.	Name	Weight [mg]	Memo	Method	Date Time	Info	TOC [%]	TOC400 Area	TC [%]	ROC [%]	ROC Area	TIC900 Area	TOC400 [%]	TIC900 [%]	TOC400 Factor	TIC900 Factor
20	20	22L0246-22	526.20		CARBON	12/24/2022 8:56 PM	bl	1.305	4 031 981	1.485	0.156	557 884	637 254	1.149	0.180	0.9747	1.0000



Name:

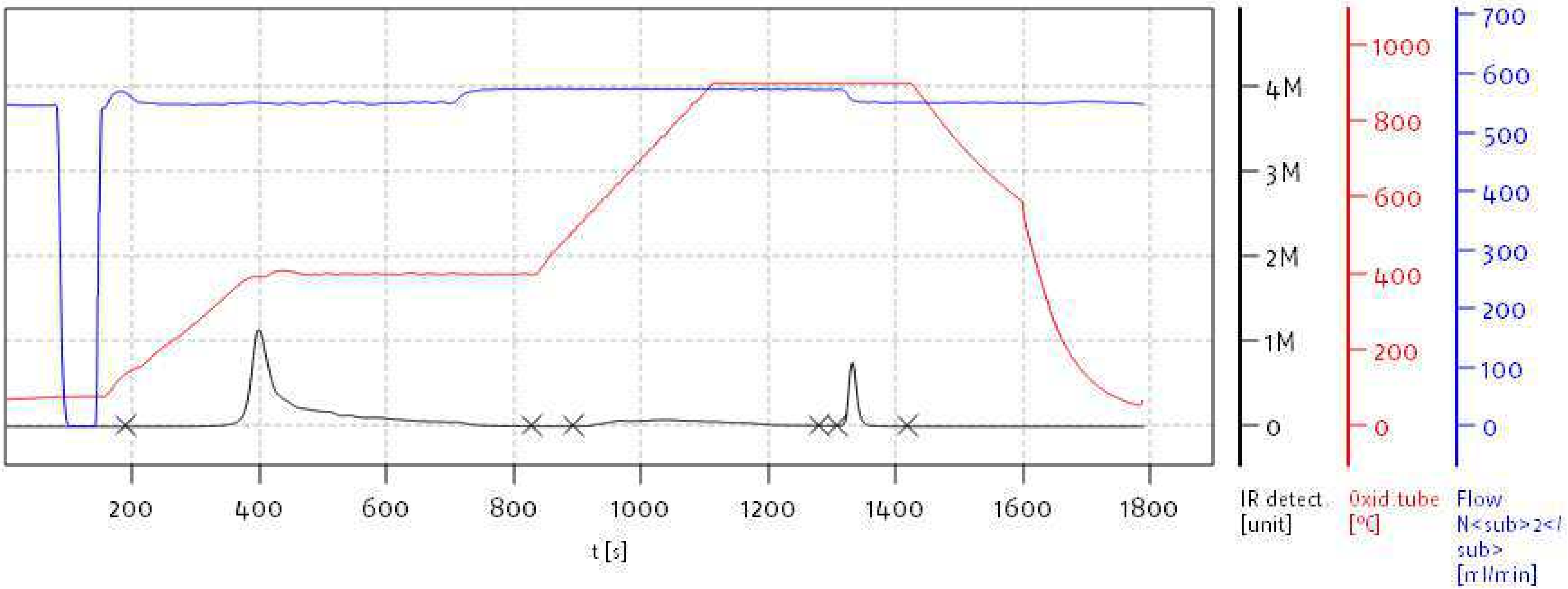
Access: soliTOC superuser

Date: Mon Dec 26 13:49:33 2022

soliTOC V2.0.2 (31015f9) 2018-11-19
Serial No: 0300.181017
Mode CCC

Soli TOC Cube, Carbon
Balance: BAL3
Analyst: DOE

	Pos.	Name	Weight [mg]	Memo	Method	Date Time	Info	TOC [%]	TOC400 Area	TC [%]	ROC [%]	ROC Area	TIC900 Area	TOC400 [%]	TIC900 [%]	TOC400 Factor	TIC900 Factor
21	21	22L0246-23	514.10		CARBON	12/24/2022 9:26 PM	bl	0.977	2 933 275	1.163	0.124	437 019	644 611	0.853	0.186	0.9747	1.0000



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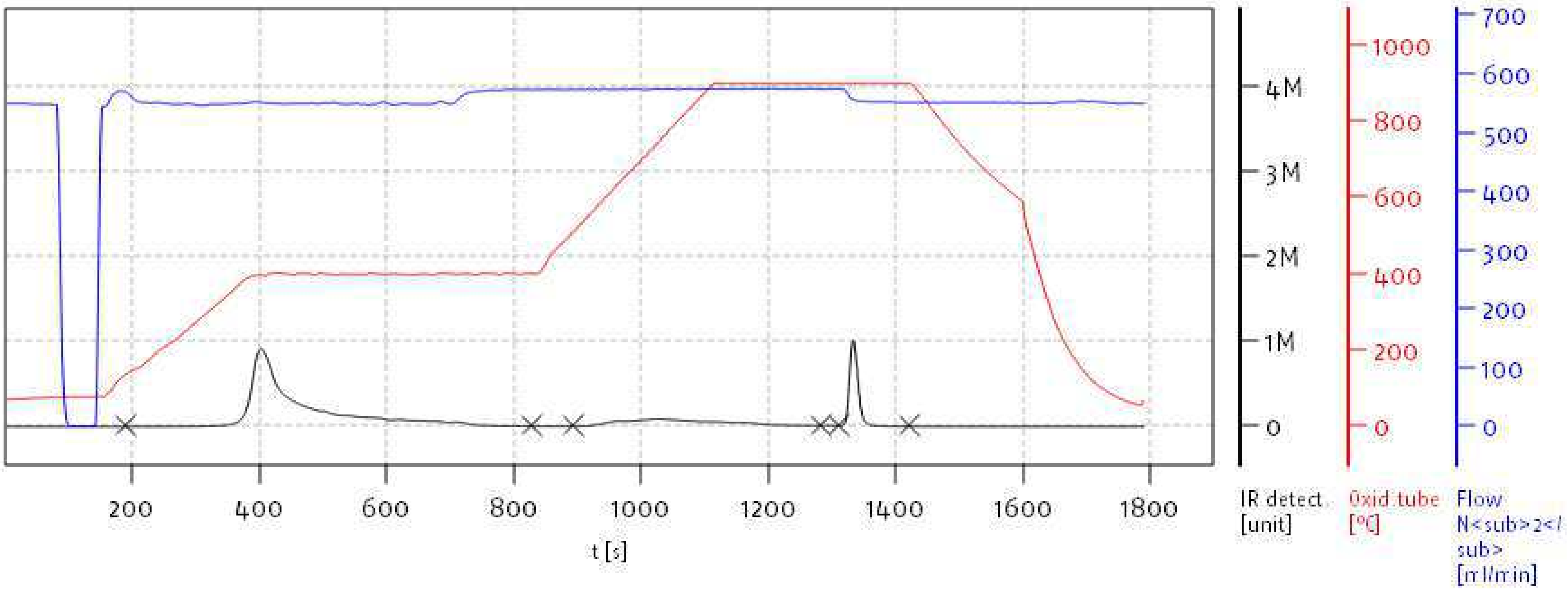
Date: Mon Dec 26 13:49:33 2022

soliTOC V2.0.2 (31015f9) 2018-11-19
Serial No: 0300.181017
Mode CCC

elementar
EXCELLENCE IN ELEMENTS

Soli TOC Cube, Carbon
Balance: BAL3
Analyst: DOE

	Pos.	Name	Weight [mg]	Memo	Method	Date Time	Info	TOC [%]	TOC400 Area	TC [%]	ROC [%]	ROC Area	TIC900 Area	TOC400 [%]	TIC900 [%]	TOC400 Factor	TIC900 Factor
22	22	22L0246-24	524.40		CARBON	12/24/2022 9:56 PM	bl	0.990	2 873 002	1.179	0.171	606 798	666 636	0.819	0.189	0.9747	1.0000



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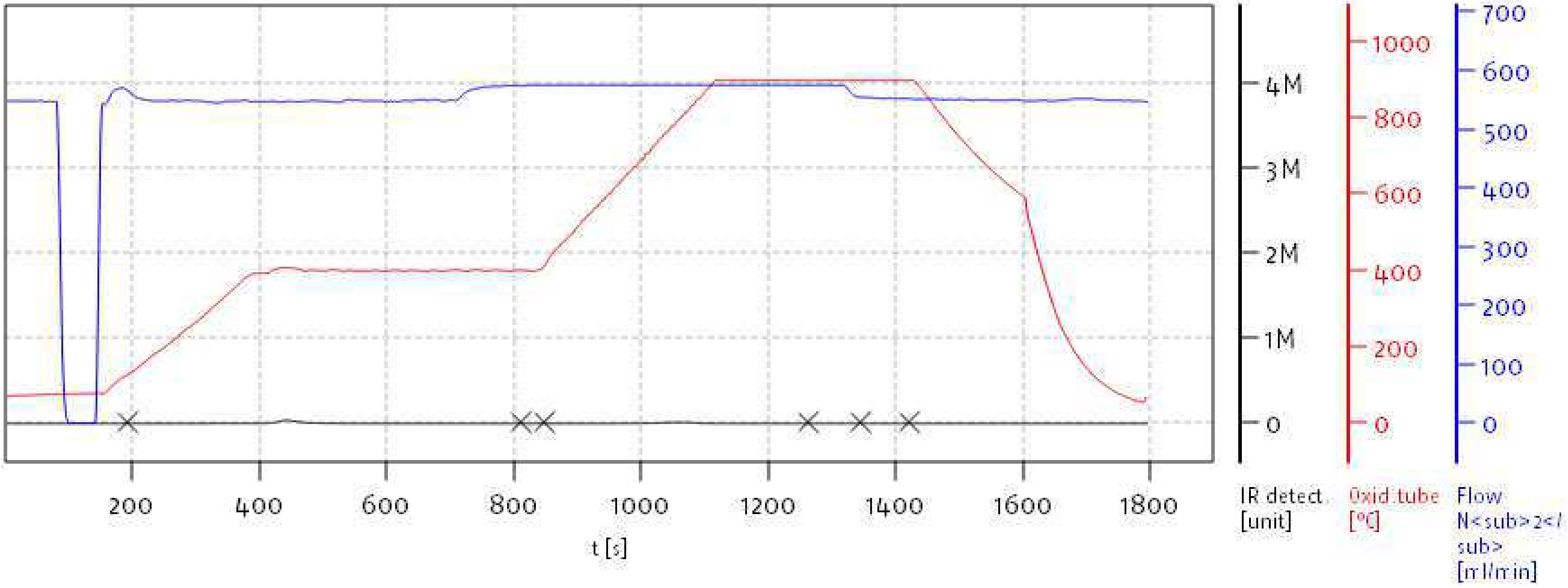
Serial No: 0300.181017
Mode CCC

Soli TOC Cube, Carbon
Balance: BAL3
Analyst: DOE

	Pos.	Name	Weight [mg]	Memo	Method	Date Time	Info	TOC [%]	TOC400 Area	TC [%]	ROC [%]	ROC Area	TIC900 Area	TOC400 [%]	TIC900 [%]	TOC400 Factor	TIC900 Factor
23	23	BKL0503-MRL1	519.00		CARBON	12/24/2022 10:27 PM	bl,C2u	0.012	67 142	0.014	0.000	166	34 934	0.012	0.003	0.9747	1.0000



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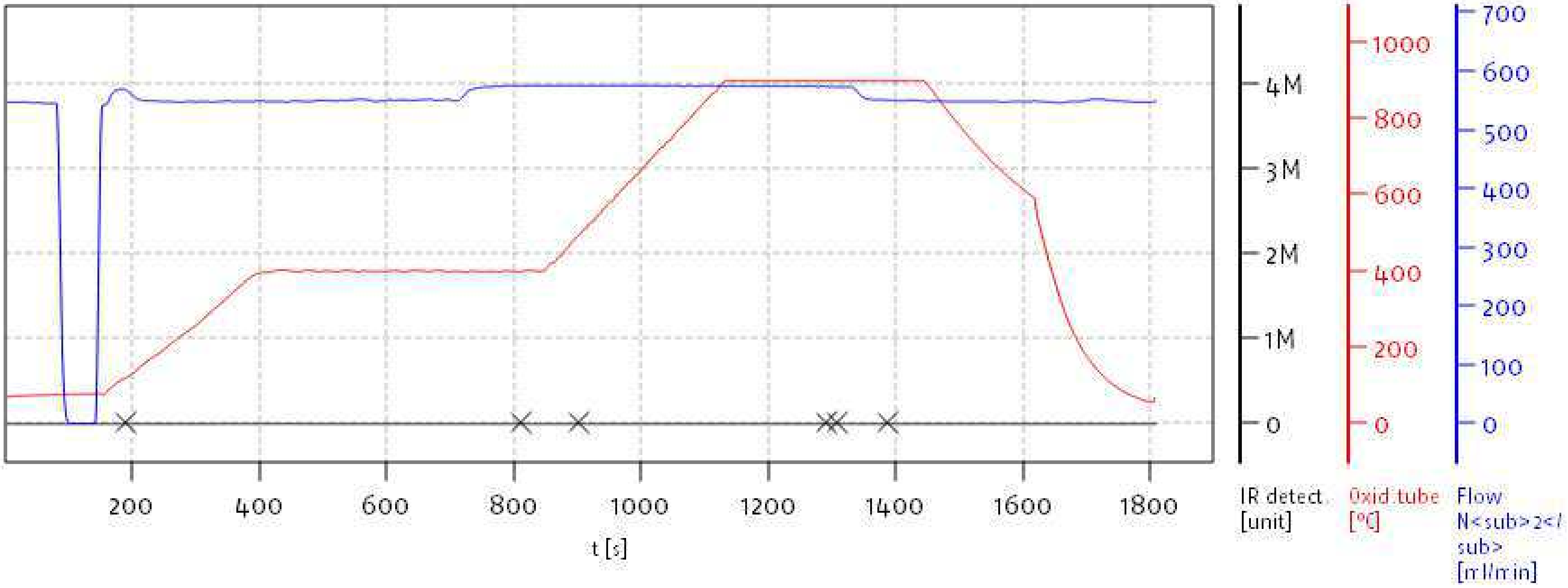
Mode CCC

Soli TOC Cube, Carbon
Balance: BAL3
Analyst: DOE

	Pos.	Name	Weight [mg]	Memo	Method	Date Time	Info	TOC [%]	TOC400 Area	TC [%]	ROC [%]	ROC Area	TIC900 Area	TOC400 [%]	TIC900 [%]	TOC400 Factor	TIC900 Factor
24	24	BKL0503-BLK1	520.70		CARBON	12/24/2022 10:57 PM	bl,C3u,C2u	0.000	8 157	0.000	0.000	257	1 752	0.000	0.000	0.9747	1.0000



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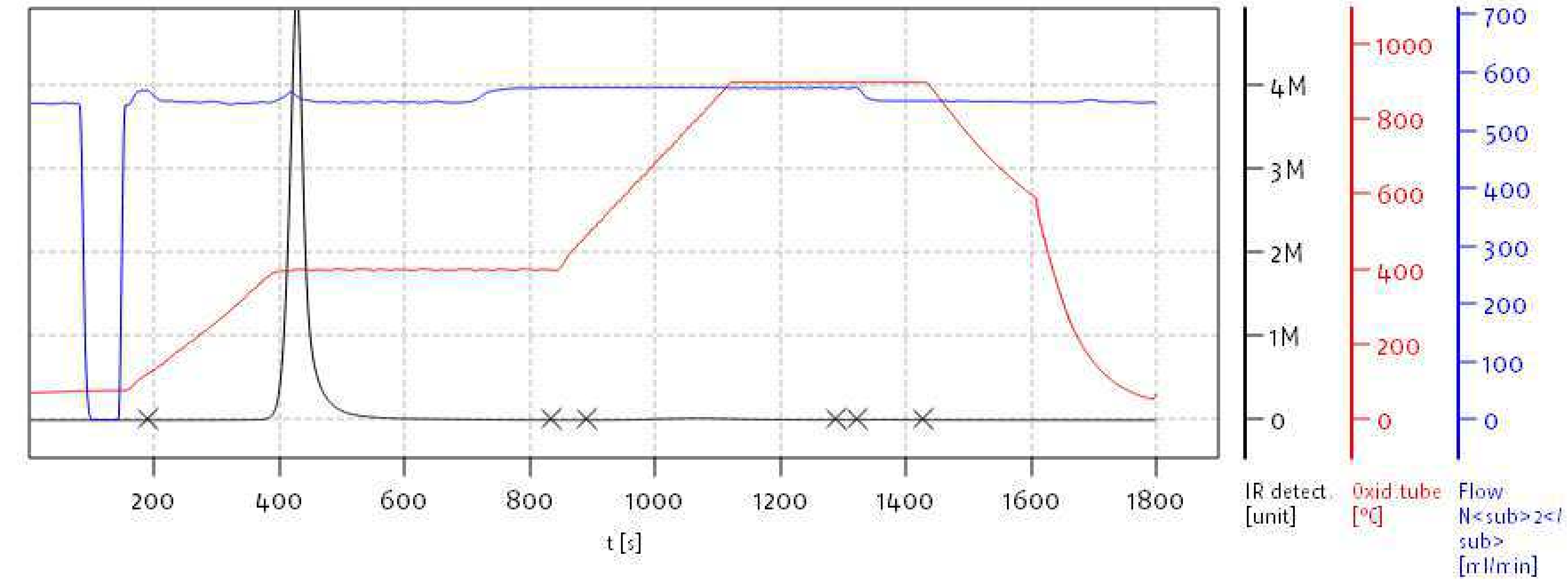
soliTOC V2.0.2 (31015f9) 2018-11-19
Serial No: 0300.181017
Mode CCC

elementar
EXCELLENCE IN ELEMENTS

Soli TOC Cube, Carbon
Balance: BAL3
Analyst: DOE

	Pos.	Name	Weight [mg]	Memo	Method	Date Time	Info	TOC [%]	TOC400 Area	TC [%]	ROC [%]	ROC Area	TIC900 Area	TOC400 [%]	TIC900 [%]	TOC400 Factor	TIC900 Factor
25	25	BKL0503-BS1	20.10		CARBON	12/24/2022 11:28 PM	bl	44.382	5 938 527	45.221	0.000	17 810	135 540	44.382	0.840	0.9747	1.0000



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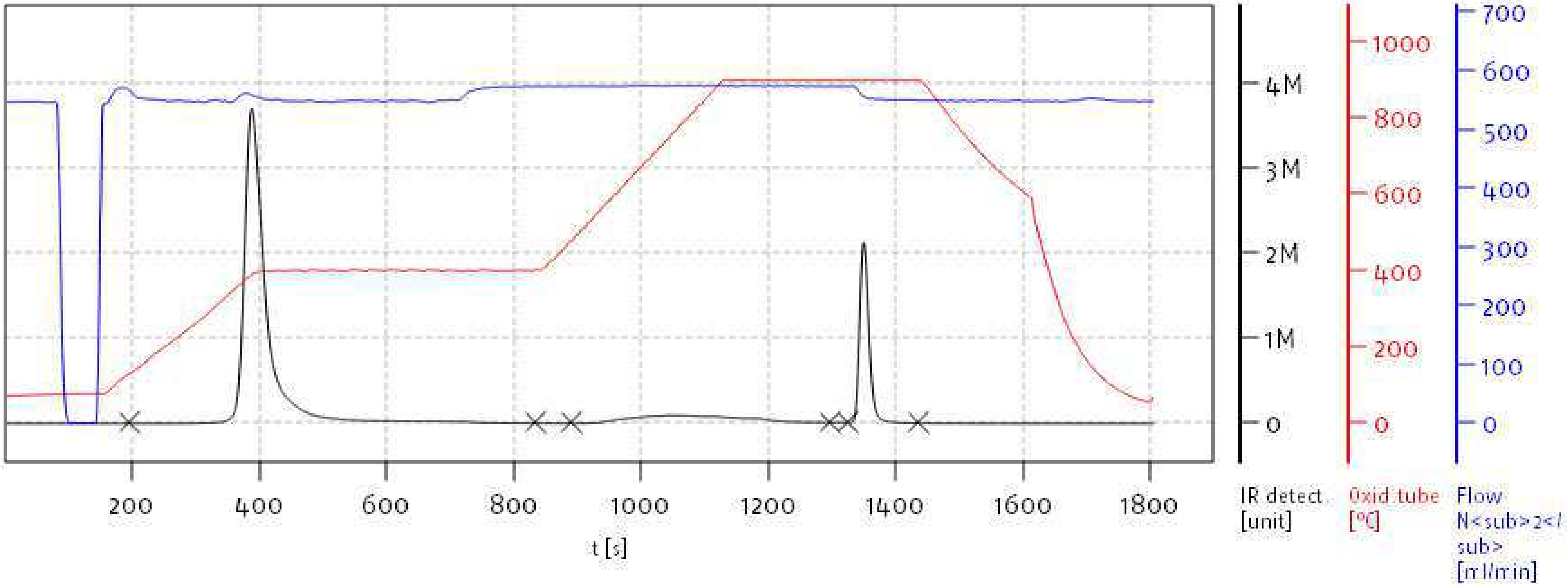
Soli TOC Cube, Carbon
Balance: BAL3
Analyst: DOE

	Pos.	Name	Weight [mg]	Memo	Method	Date Time	Info	TOC [%]	TOC400 Area	TC [%]	ROC [%]	ROC Area	TIC900 Area	TOC400 [%]	TIC900 [%]	TOC400 Factor	TIC900 Factor
26	26	BKL0503-SRM 1	345.40		CARBON	12/24/2022 11:58 PM	bl	2.999	5 505 433	3.339	0.606	1 377 852	784 626	2.394	0.340	0.9747	1.0000



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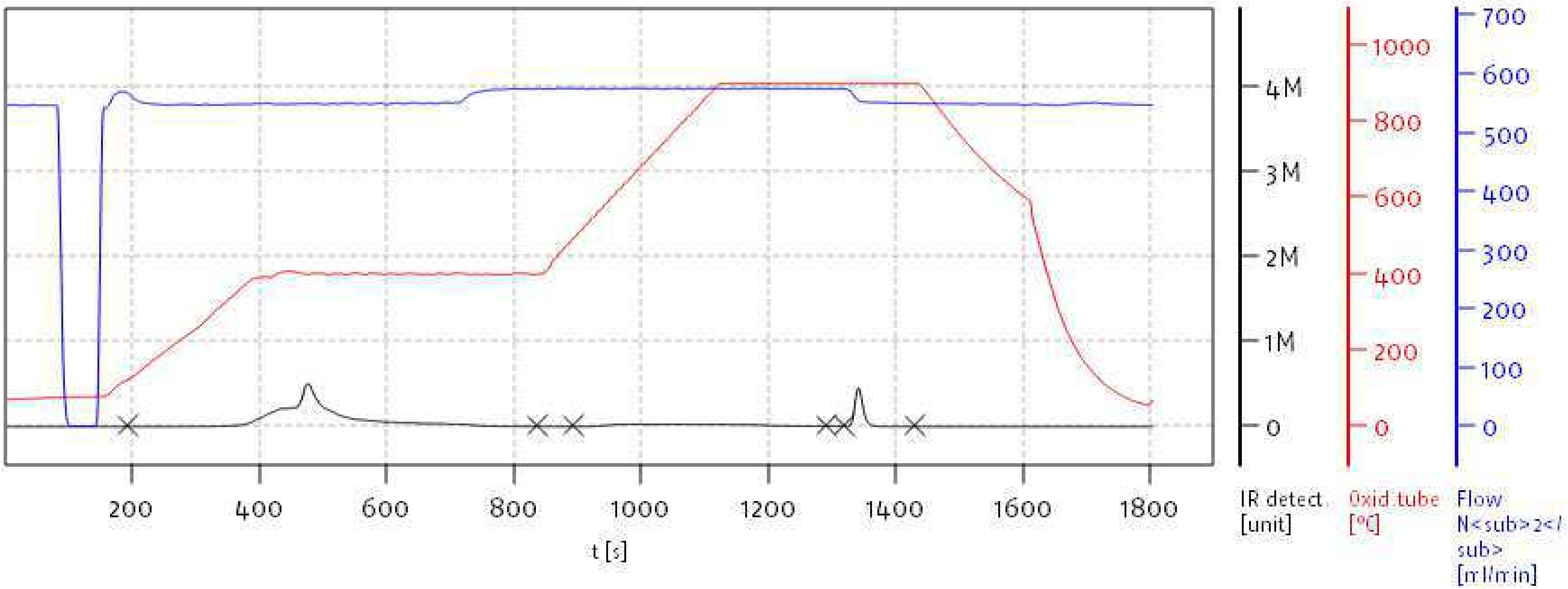
Soli TOC Cube, Carbon
Balance: BAL3
Analyst: DOE

	Pos.	Name	Weight [mg]	Memo	Method	Date Time	Info	TOC [%]	TOC400 Area	TC [%]	ROC [%]	ROC Area	TIC900 Area	TOC400 [%]	TIC900 [%]	TOC400 Factor	TIC900 Factor
27	27	22L0246-25	532.90		CARBON	12/25/2022 12:29 AM	bl	0.528	1 652 724	0.599	0.067	258 316	272 629	0.460	0.071	0.9747	1.0000



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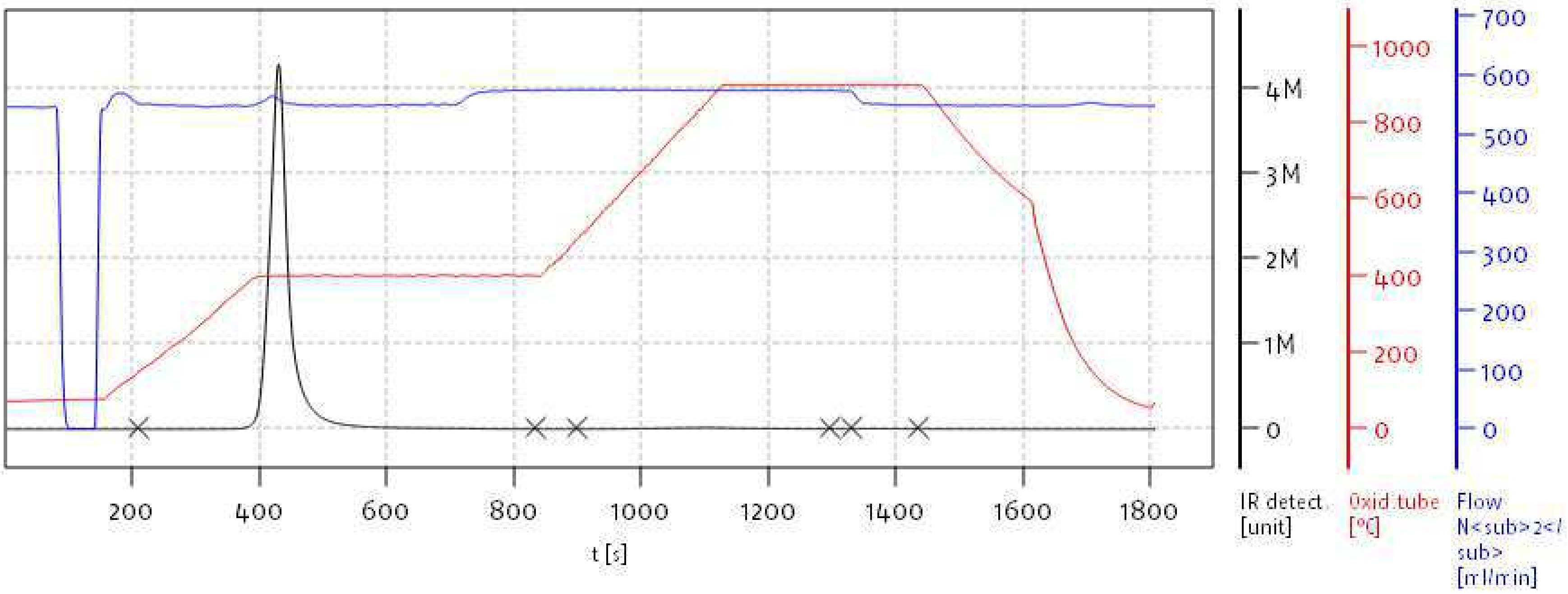
Soli TOC Cube, Carbon
Balance: BAL3
Analyst: DOE

	Pos.	Name	Weight [mg]	Memo	Method	Date Time	Info	TOC [%]	TOC400 Area	TC [%]	ROC [%]	ROC Area	TIC900 Area	TOC400 [%]	TIC900 [%]	TOC400 Factor	TIC900 Factor
28	28	SKL0311-CCV2	19.30		CARBON	12/25/2022 12:59 AM	bl	44.349	5 698 956	45.021	0.000	19 532	110 328	44.349	0.672	0.9747	1.0000



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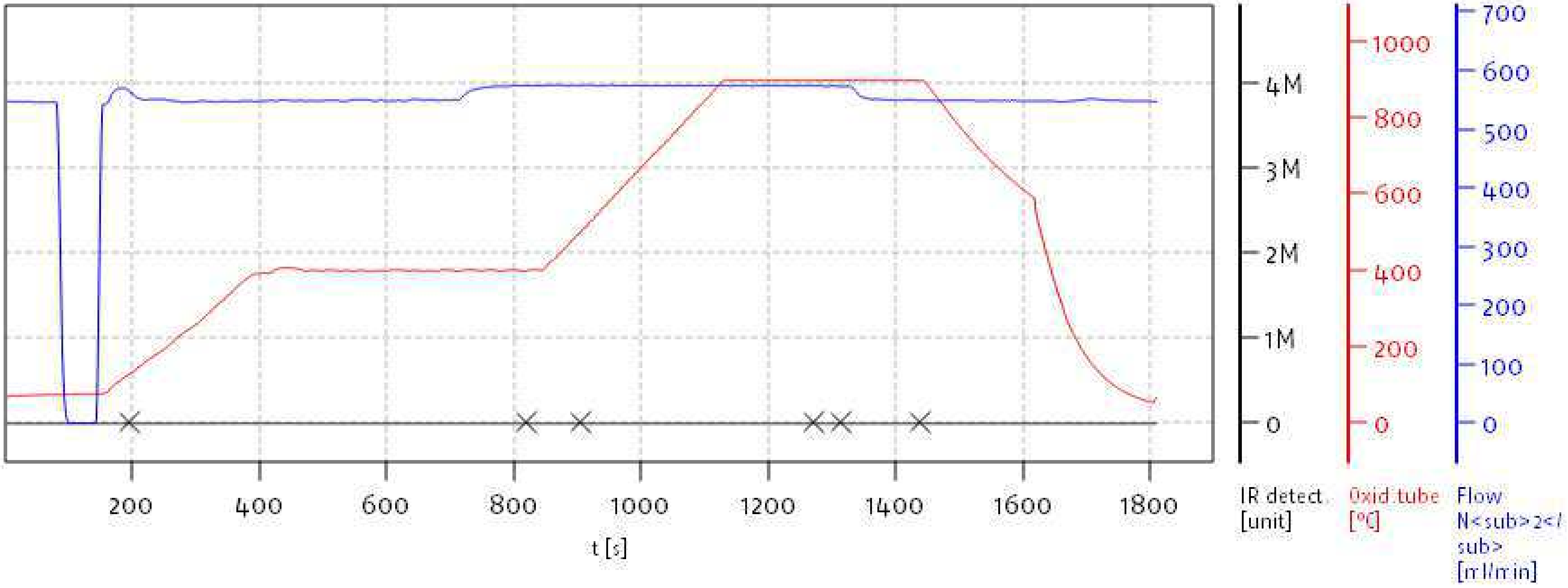
elementar
EXCELLENCE IN ELEMENTS

soliTOC V2.0.2 (31015f9) 2018-11-19
Serial No: 0300.181017
Mode CCC

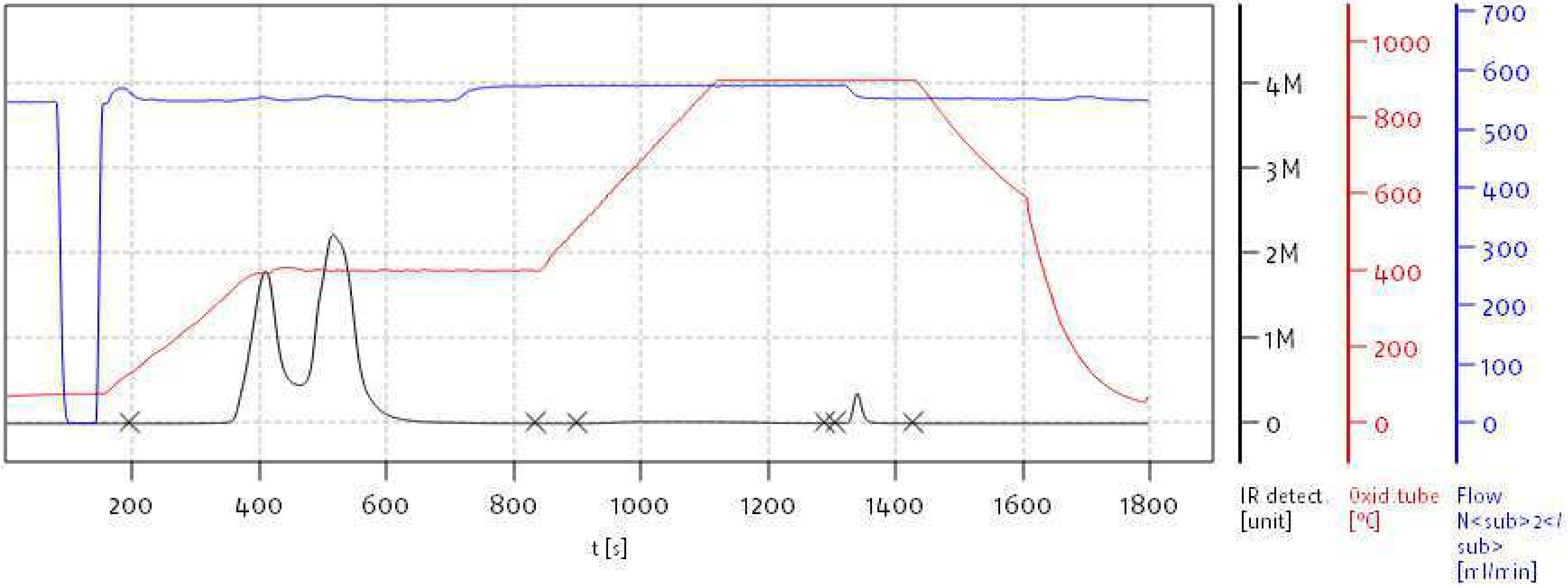
	Pos.	Name	Weight [mg]	Memo	Method	Date Time	Info	TOC [%]	TOC400 Area	TC [%]	ROC [%]	ROC Area	TIC900 Area	TOC400 [%]	TIC900 [%]	TOC400 Factor	TIC900 Factor
29	29	SKL0311-CCB2	508.50		CARBON	12/25/2022 1:30 AM	bl,C3u,C2u	0.000	8 137	0.000	0.000	538	1 386	0.000	0.000	0.9747	1.0000



soliTOC V2.0.2 (31015f9) 2018-11-19
Serial No: 0300.181017
Mode CCC

Soli TOC Cube, Carbon
Balance: BAL3
Analyst: DOE

	Pos.	Name	Weight [mg]	Memo	Method	Date Time	Info	TOC [%]	TOC400 Area	TC [%]	ROC [%]	ROC Area	TIC900 Area	TOC400 [%]	TIC900 [%]	TOC400 Factor	TIC900 Factor
30	30	BKL0503-DUP 1	560.00		CARBON	12/25/2022 2:00 AM	bl	2.538	9 250 589	2.579	0.052	216 153	175 303	2.485	0.041	0.9747	1.0000



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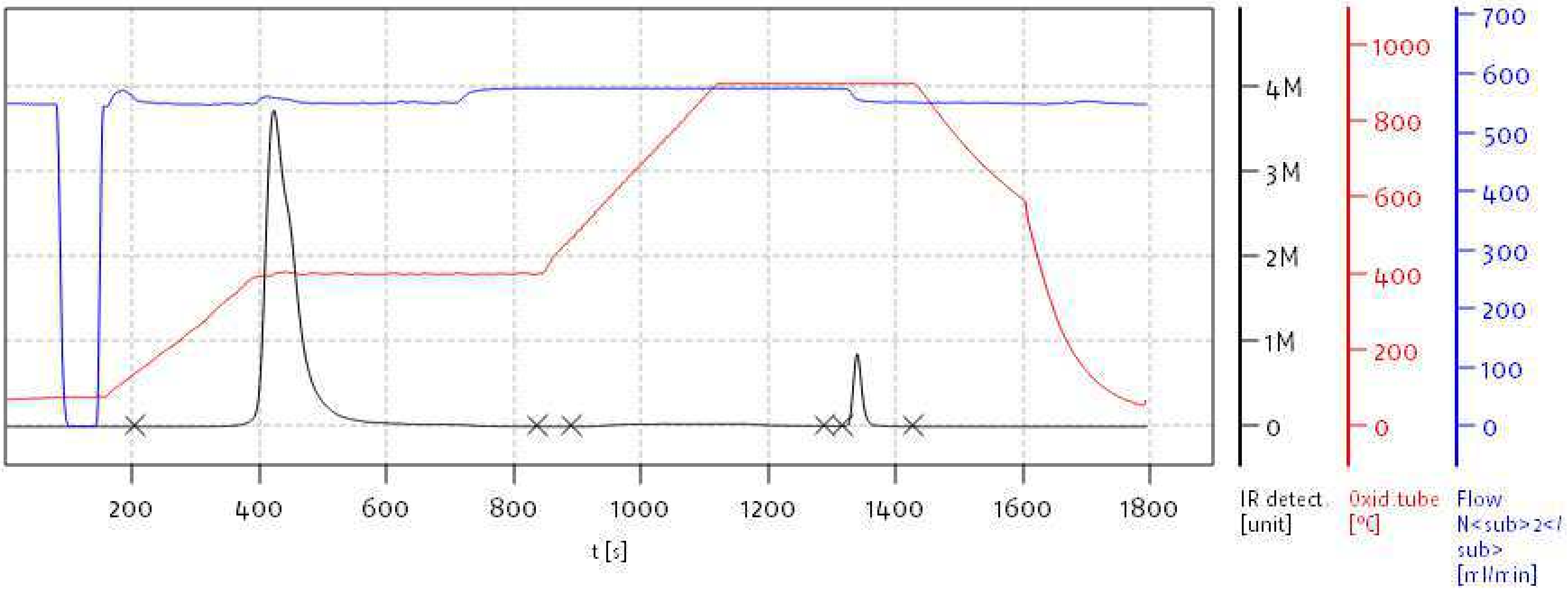
Soli TOC Cube, Carbon
Balance: BAL3
Analyst: DOE

	Pos.	Name	Weight [mg]	Memo	Method	Date Time	Info	TOC [%]	TOC400 Area	TC [%]	ROC [%]	ROC Area	TIC900 Area	TOC400 [%]	TIC900 [%]	TOC400 Factor	TIC900 Factor
31	31	BKL0503-MS1	564.90	0.0084	CARBON	12/25/2022 2:30 AM	bl	2.121	7 469 579	2.198	0.133	513 152	305 635	1.988	0.076	0.9747	1.0000



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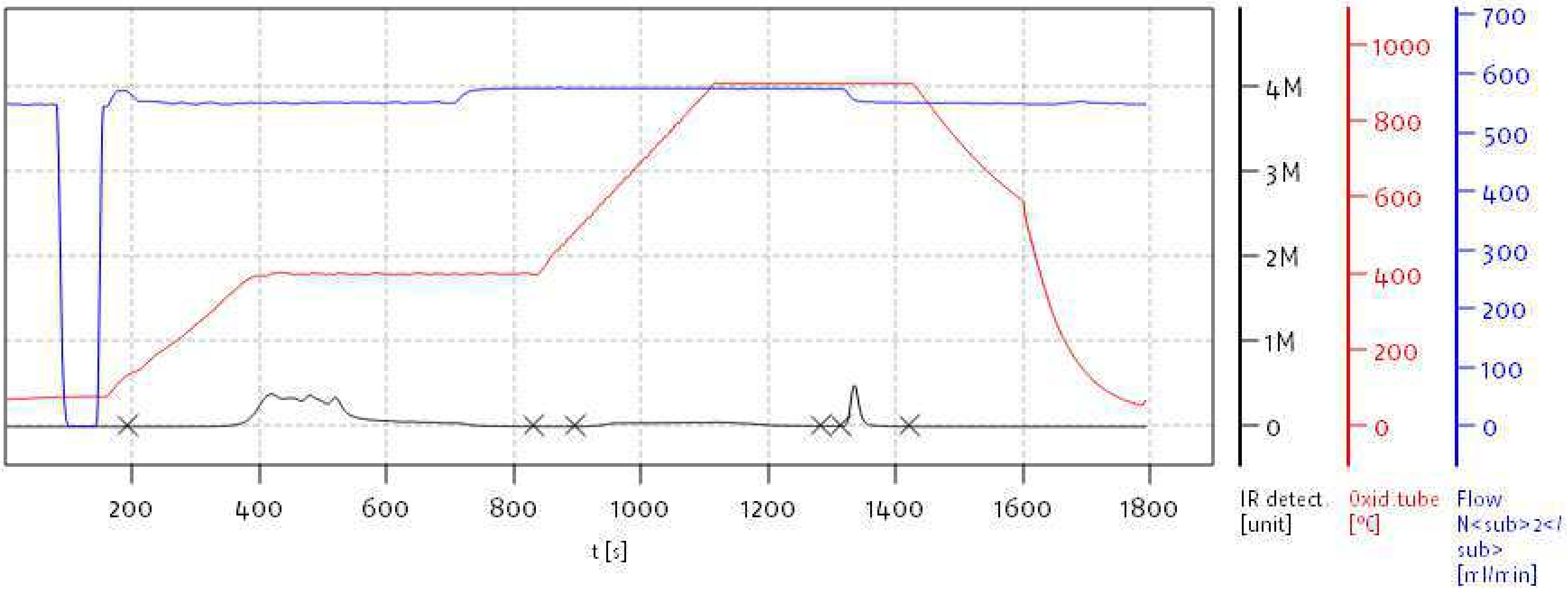
Mode CCC

elementar
EXCELLENCE IN ELEMENTS

Soli TOC Cube, Carbon
Balance: BAL3
Analyst: DOE

	Pos.	Name	Weight [mg]	Memo	Method	Date Time	Info	TOC [%]	TOC400 Area	TC [%]	ROC [%]	ROC Area	TIC900 Area	TOC400 [%]	TIC900 [%]	TOC400 Factor	TIC900 Factor
32	32	22L0246-26	562.00		CARBON	12/25/2022 3:01 AM	bl	0.681	2 282 944	0.798	0.075	299 110	450 410	0.606	0.117	0.9747	1.0000



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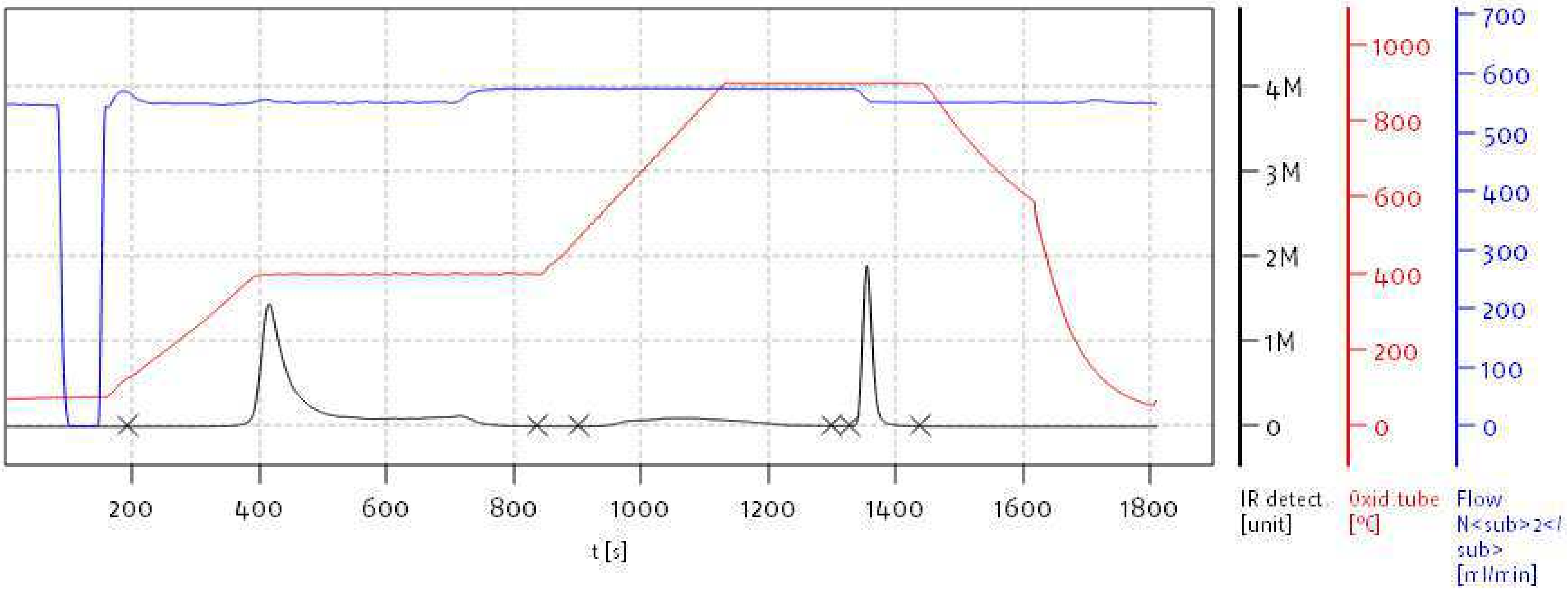
elementar
EXCELLENCE IN ELEMENTS

Soli TOC Cube, Carbon
Balance: BAL3
Analyst: DOE

	Pos.	Name	Weight [mg]	Memo	Method	Date Time	Info	TOC [%]	TOC400 Area	TC [%]	ROC [%]	ROC Area	TIC900 Area	TOC400 [%]	TIC900 [%]	TOC400 Factor	TIC900 Factor
33	33	22L0246-27	516.90		CARBON	12/25/2022 3:31 AM	bl	1.424	3 613 342	1.645	0.377	1 284 972	763 828	1.047	0.221	0.9747	1.0000



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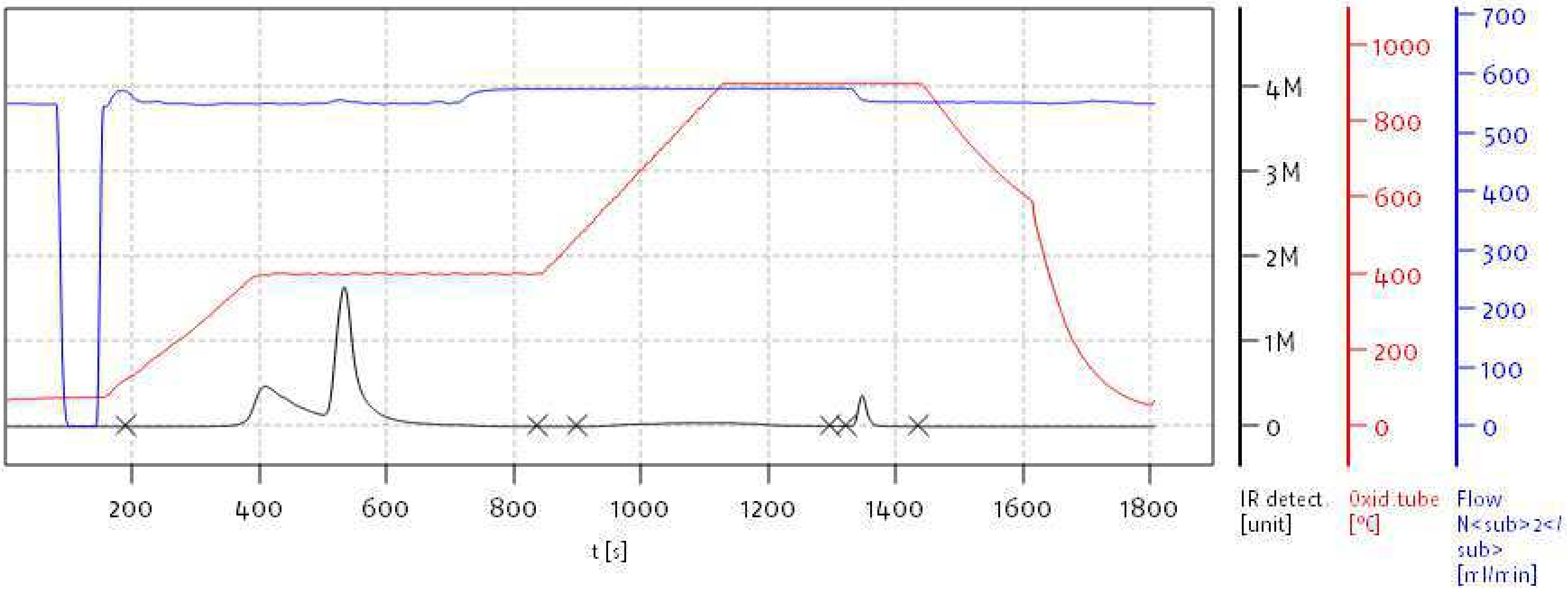
Balance: BAL3
Analyst: DOE

	Pos.	Name	Weight [mg]	Memo	Method	Date Time	Info	TOC [%]	TOC400 Area	TC [%]	ROC [%]	ROC Area	TIC900 Area	TOC400 [%]	TIC900 [%]	TOC400 Factor	TIC900 Factor
34	34	22L0246-28	514.80		CARBON	12/25/2022 4:02 AM	bl	1.178	3 841 798	1.278	0.060	224 723	358 890	1.118	0.100	0.9747	1.0000



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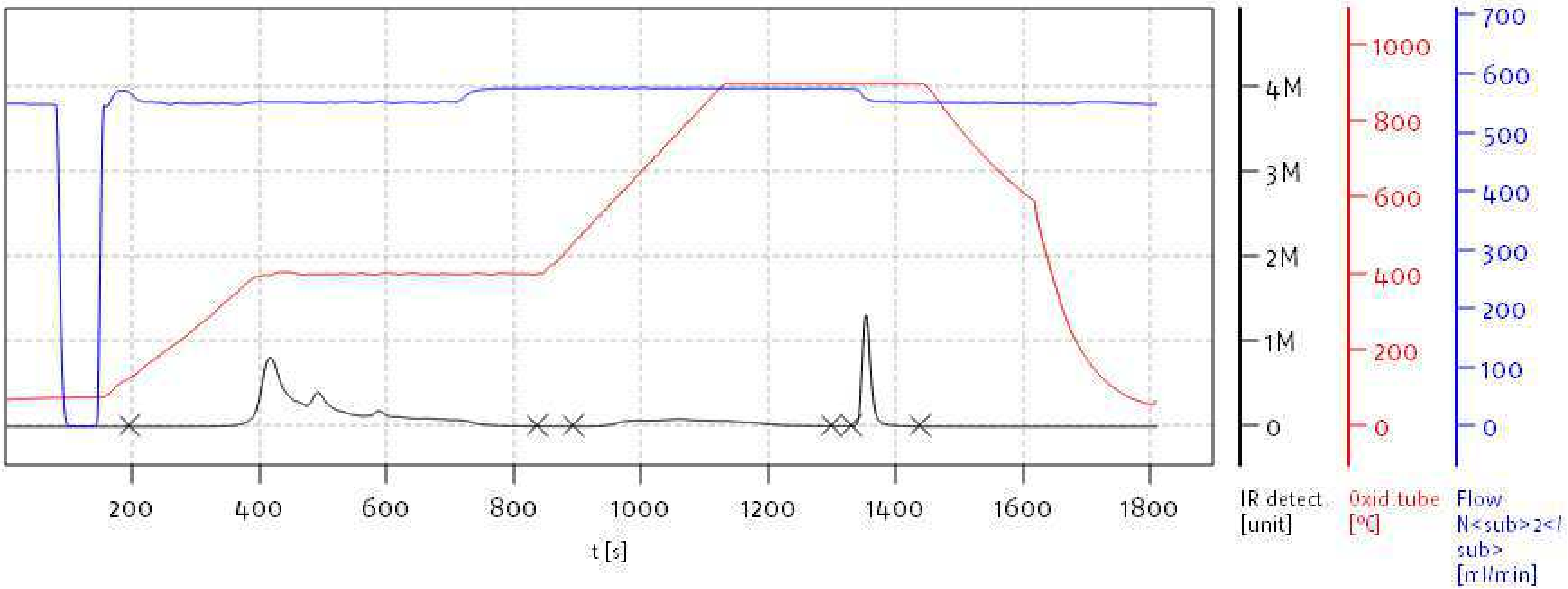
	Pos.	Name	Weight [mg]	Memo	Method	Date Time	Info	TOC [%]	TOC400 Area	TC [%]	ROC [%]	ROC Area	TIC900 Area	TOC400 [%]	TIC900 [%]	TOC400 Factor	TIC900 Factor
35	35	22L0246-29	501.90		CARBON	12/25/2022 4:32 AM	bl	1.125	2 974 262	1.317	0.238	799 652	651 716	0.886	0.193	0.9747	1.0000



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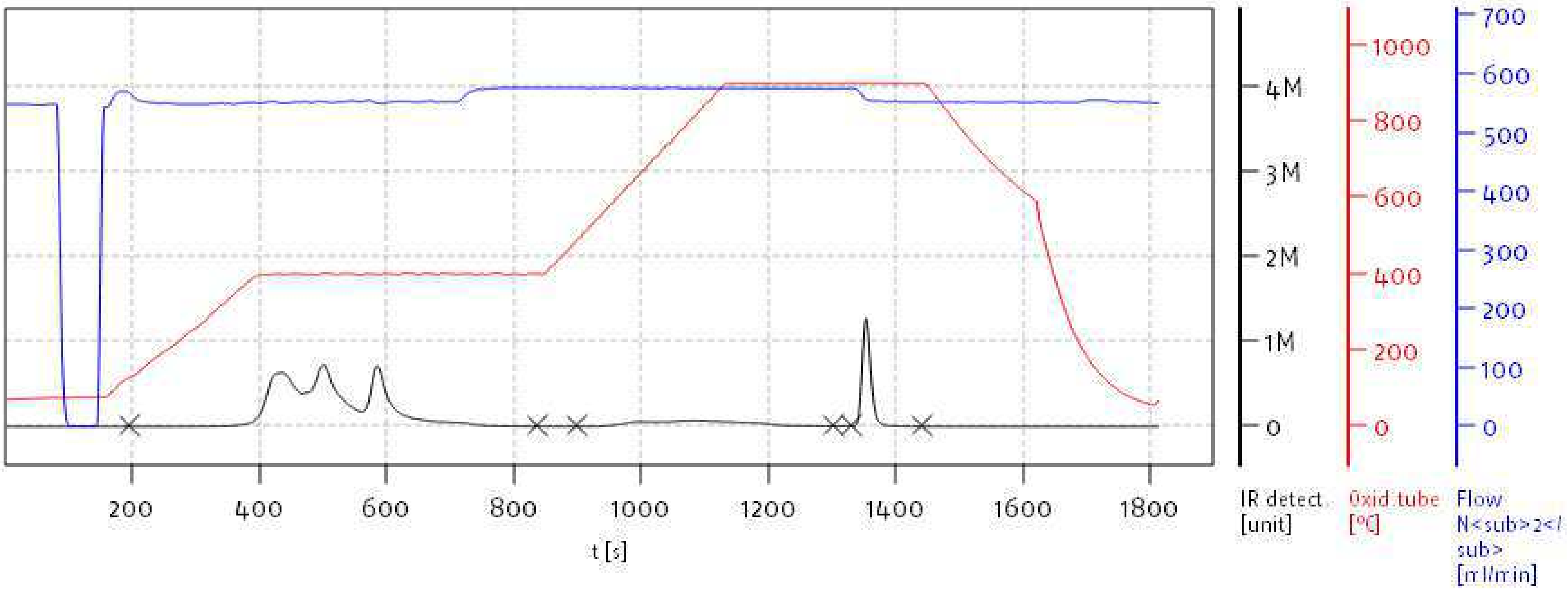
	Pos.	Name	Weight [mg]	Memo	Method	Date Time	Info	TOC [%]	TOC400 Area	TC [%]	ROC [%]	ROC Area	TIC900 Area	TOC400 [%]	TIC900 [%]	TOC400 Factor	TIC900 Factor
36	36	22L0246-30	515.70		CARBON	12/25/2022 5:03 AM	bl	1.377	3 969 039	1.533	0.223	770 291	545 755	1.154	0.156	0.9747	1.0000



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elementar
EXCELLENCE IN ELEMENTS

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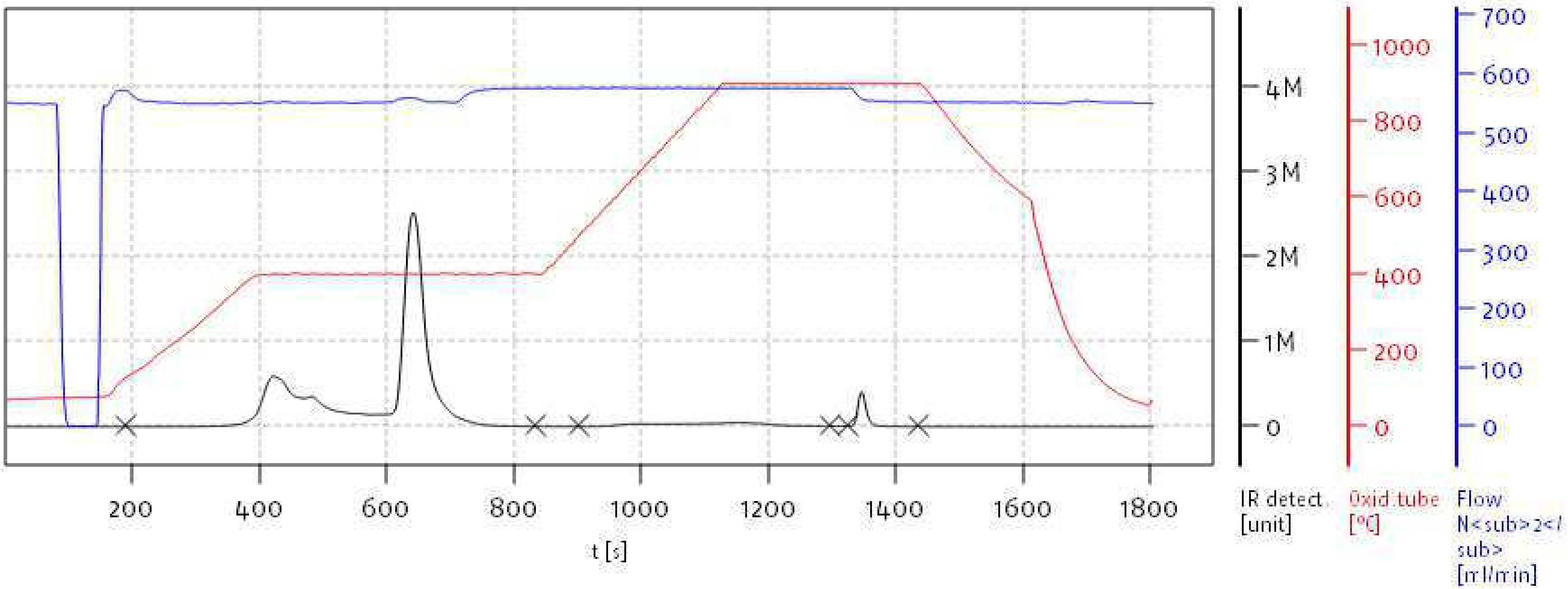
Soli TOC Cube, Carbon
Balance: BAL3
Analyst: DOE

	Pos.	Name	Weight [mg]	Memo	Method	Date Time	Info	TOC [%]	TOC400 Area	TC [%]	ROC [%]	ROC Area	TIC900 Area	TOC400 [%]	TIC900 [%]	TOC400 Factor	TIC900 Factor
37	37	22L0246-31	520.50		CARBON	12/25/2022 5:33 AM	bl	1.832	6 125 211	1.931	0.064	241 077	361 336	1.768	0.100	0.9747	1.0000



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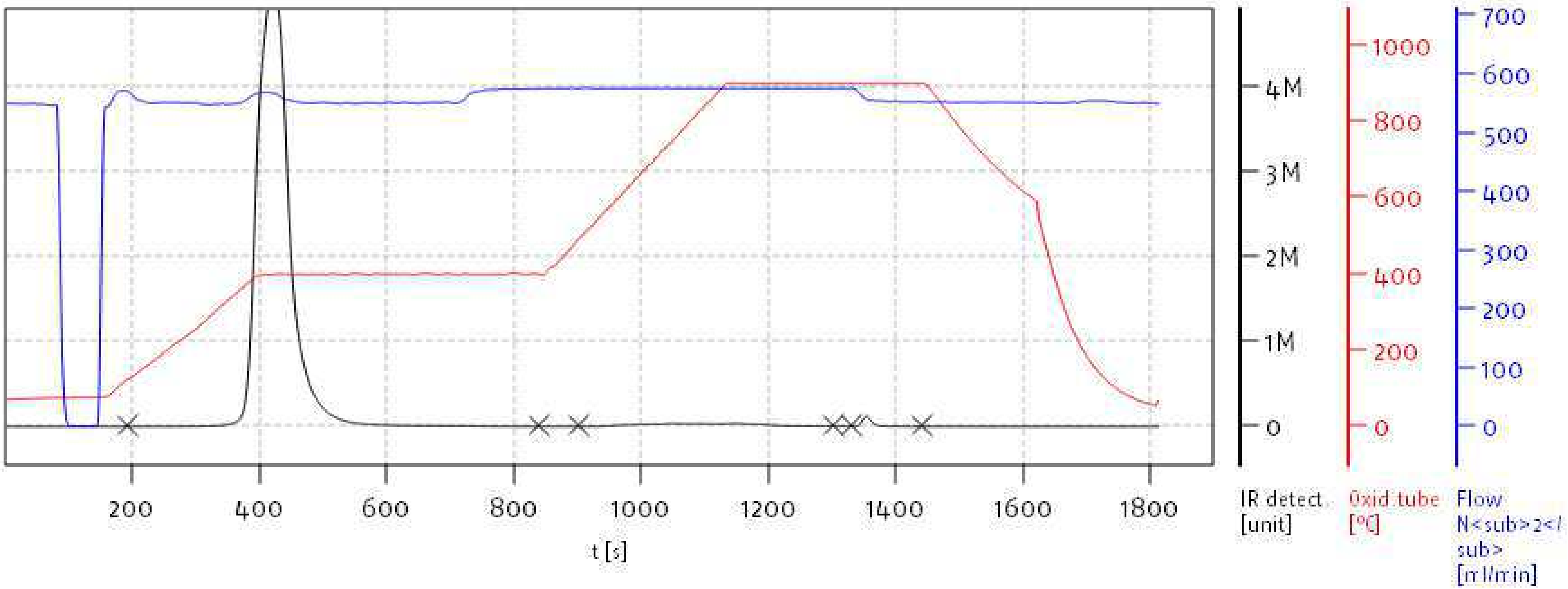
Soli TOC Cube, Carbon
Balance: BAL3
Analyst: DOE

	Pos.	Name	Weight [mg]	Memo	Method	Date Time	Info	TOC [%]	TOC400 Area	TC [%]	ROC [%]	ROC Area	TIC900 Area	TOC400 [%]	TIC900 [%]	TOC400 Factor	TIC900 Factor
38	38	22L0246-32	503.10		CARBON	12/25/2022 6:04 AM	bl,C1o	3.416	11 357 129	3.500	0.017	82 797	299 493	3.398	0.084	0.9747	1.0000



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Balance: BAL3
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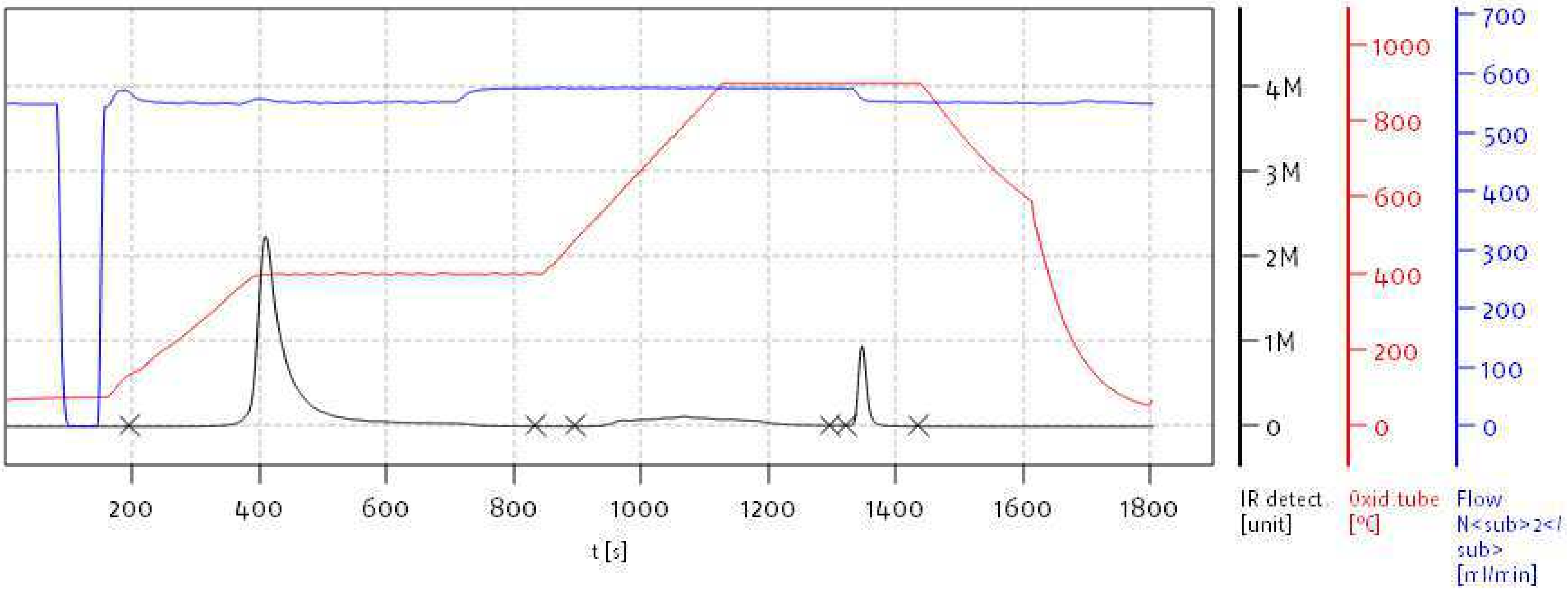
	Pos.	Name	Weight [mg]	Memo	Method	Date Time	Info	TOC [%]	TOC400 Area	TC [%]	ROC [%]	ROC Area	TIC900 Area	TOC400 [%]	TIC900 [%]	TOC400 Factor	TIC900 Factor
39	39	22L0246-33	522.50		CARBON	12/25/2022 6:34 AM	bl	1.419	4 385 388	1.674	0.160	566 231	887 958	1.259	0.255	0.9747	1.0000



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Balance: BAL3
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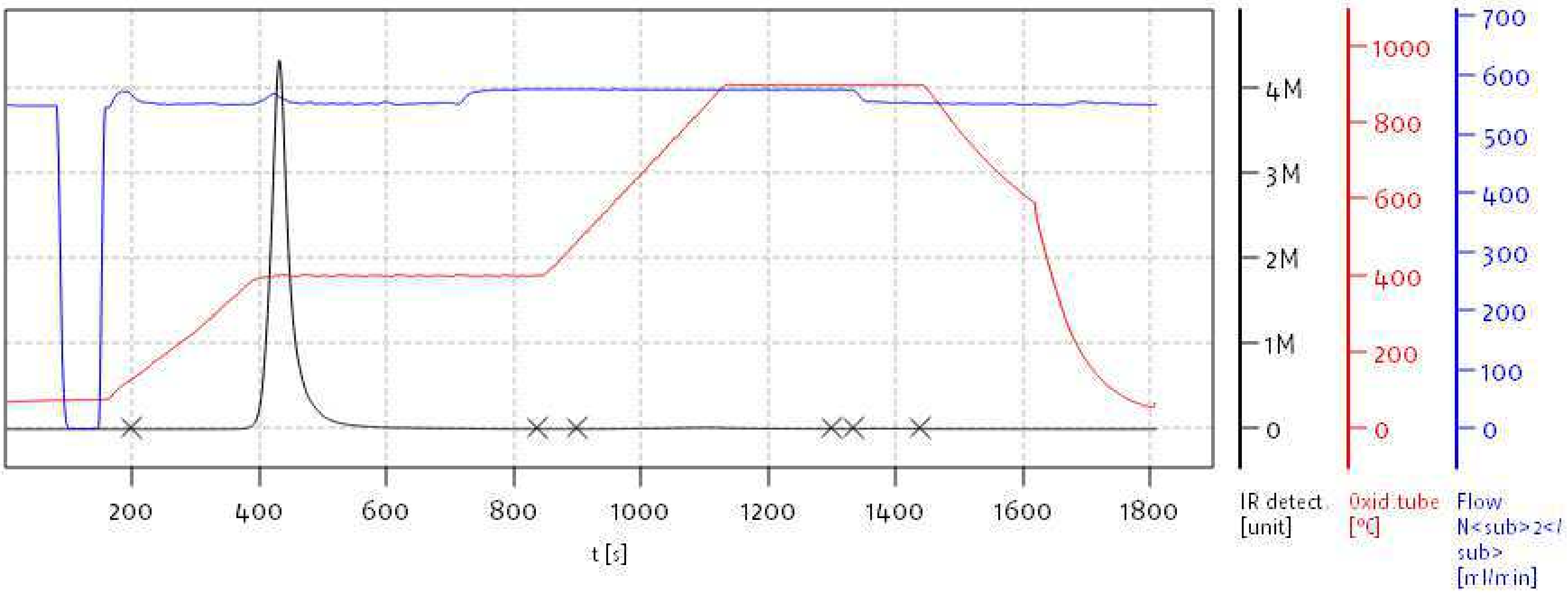
	Pos.	Name	Weight [mg]	Memo	Method	Date Time	Info	TOC [%]	TOC400 Area	TC [%]	ROC [%]	ROC Area	TIC900 Area	TOC400 [%]	TIC900 [%]	TOC400 Factor	TIC900 Factor
40	40	SKL0311-CCV3	20.20		CARBON	12/25/2022 7:05 AM	bl	43.592	5 862 147	44.289	0.000	20 897	117 523	43.592	0.697	0.9747	1.0000



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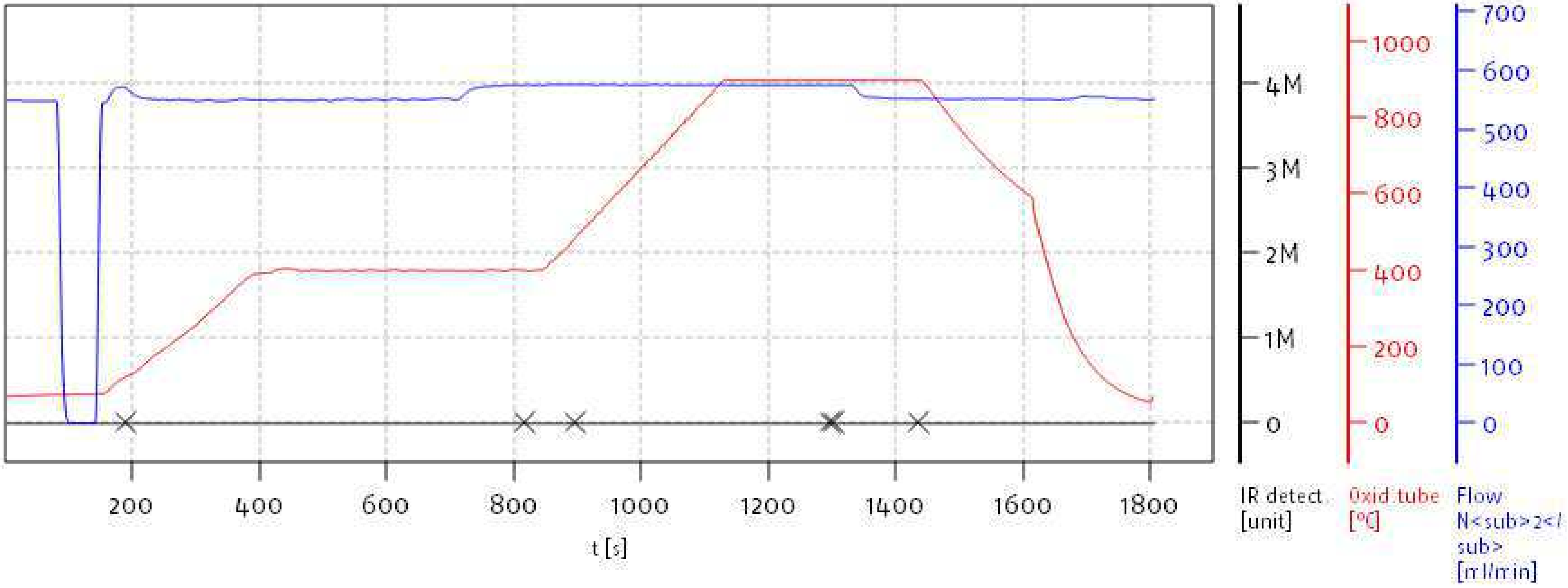
Balance: BAL3
Analyst: DOE

	Pos.	Name	Weight [mg]	Memo	Method	Date Time	Info	TOC [%]	TOC400 Area	TC [%]	ROC [%]	ROC Area	TIC900 Area	TOC400 [%]	TIC900 [%]	TOC400 Factor	TIC900 Factor
41	41	SKL0311-CCB3	561.80		CARBON	12/25/2022 7:35 AM	bl,C3u,C2u	0.000	5 063	0.000	0.000	637	794	0.000	0.000	0.9747	1.0000



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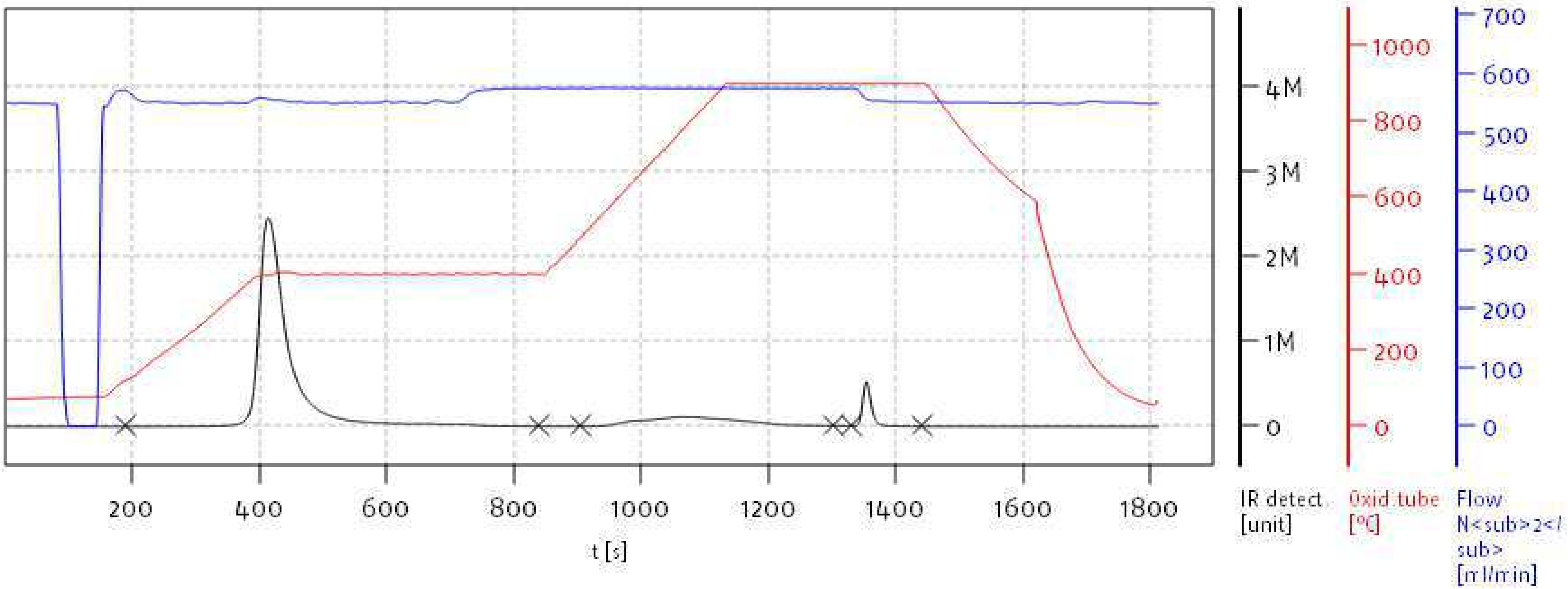
Balance: BAL3
Analyst: DOE

	Pos.	Name	Weight [mg]	Memo	Method	Date Time	Info	TOC [%]	TOC400 Area	TC [%]	ROC [%]	ROC Area	TIC900 Area	TOC400 [%]	TIC900 [%]	TOC400 Factor	TIC900 Factor
42	42	22L0246-34	549.90		CARBON	12/25/2022 8:06 AM	bl	1.417	4 884 094	1.639	0.084	324 248	815 862	1.333	0.222	0.9747	1.0000



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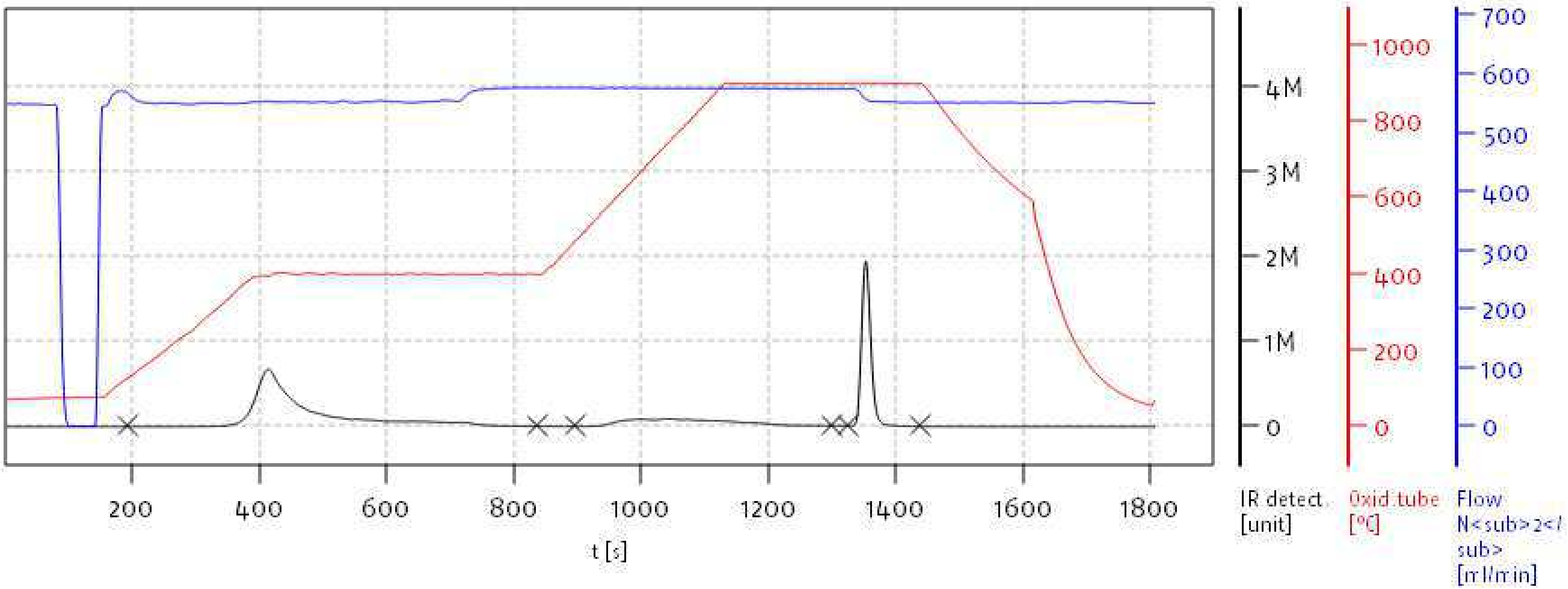
Balance: BAL3
Analyst: DOE

	Pos.	Name	Weight [mg]	Memo	Method	Date Time	Info	TOC [%]	TOC400 Area	TC [%]	ROC [%]	ROC Area	TIC900 Area	TOC400 [%]	TIC900 [%]	TOC400 Factor	TIC900 Factor
43	43	22L0246-35	507.20		CARBON	12/25/2022 8:37 AM	bl	1.055	2 322 042	1.268	0.372	1 245 603	723 544	0.683	0.213	0.9747	1.0000



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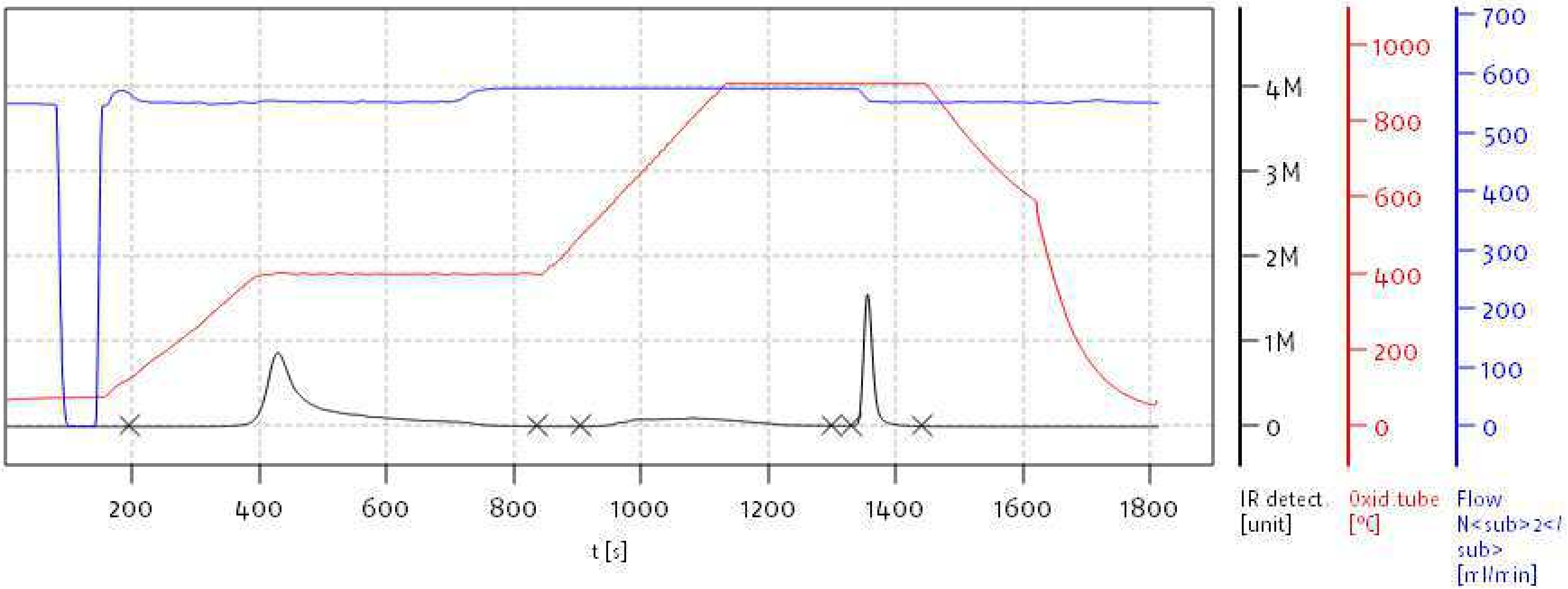
Access: soliTOC superuser

Date: Mon Dec 26 13:49:33 2022

soliTOC V2.0.2 (31015f9) 2018-11-19
Serial No: 0300.181017
Mode CCC

Soli TOC Cube, Carbon
Balance: BAL3
Analyst: DOE

	Pos.	Name	Weight [mg]	Memo	Method	Date Time	Info	TOC [%]	TOC400 Area	TC [%]	ROC [%]	ROC Area	TIC900 Area	TOC400 [%]	TIC900 [%]	TOC400 Factor	TIC900 Factor
44	44	22L0246-36	537.40		CARBON	12/25/2022 9:07 AM	bl	1.062	2 774 233	1.277	0.291	1 035 024	772 008	0.772	0.215	0.9747	1.0000



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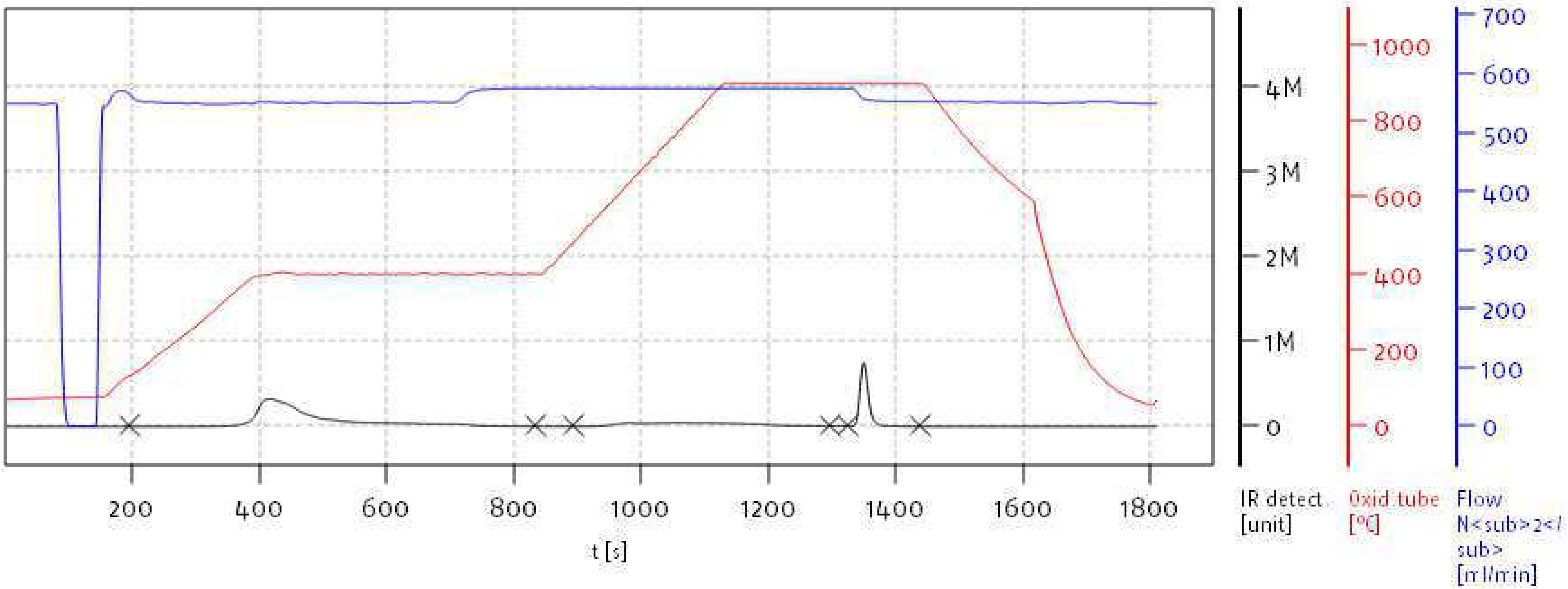
soliTOC V2.0.2 (31015f9) 2018-11-19
Serial No: 0300.181017
Mode CCC

Soli TOC Cube, Carbon
Balance: BAL3
Analyst: DOE

	Pos.	Name	Weight [mg]	Memo	Method	Date Time	Info	TOC [%]	TOC400 Area	TC [%]	ROC [%]	ROC Area	TIC900 Area	TOC400 [%]	TIC900 [%]	TOC400 Factor	TIC900 Factor
45	45	22L0246-37	556.80		CARBON	12/25/2022 9:38 AM	bl	0.476	1 356 017	0.581	0.116	444 354	402 196	0.360	0.104	0.9747	1.0000



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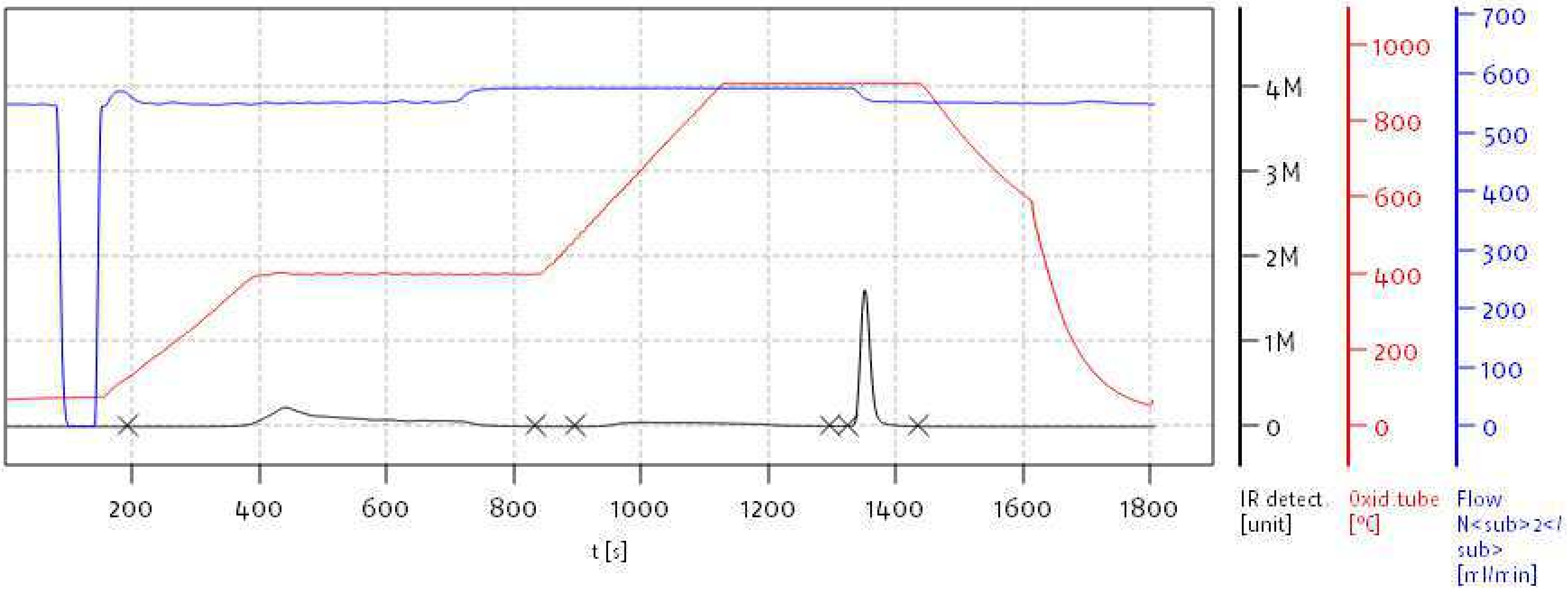
soliTOC V2.0.2 (31015f9) 2018-11-19
Serial No: 0300.181017
Mode CCC

elementar
EXCELLENCE IN ELEMENTS

Soli TOC Cube, Carbon
Balance: BAL3
Analyst: DOE

	Pos.	Name	Weight [mg]	Memo	Method	Date Time	Info	TOC [%]	TOC400 Area	TC [%]	ROC [%]	ROC Area	TIC900 Area	TOC400 [%]	TIC900 [%]	TOC400 Factor	TIC900 Factor
46	46	22L0246-38	594.00		CARBON	12/25/2022 10:08 AM	bl	0.627	1 372 134	0.730	0.285	1 118 928	423 724	0.342	0.104	0.9747	1.0000



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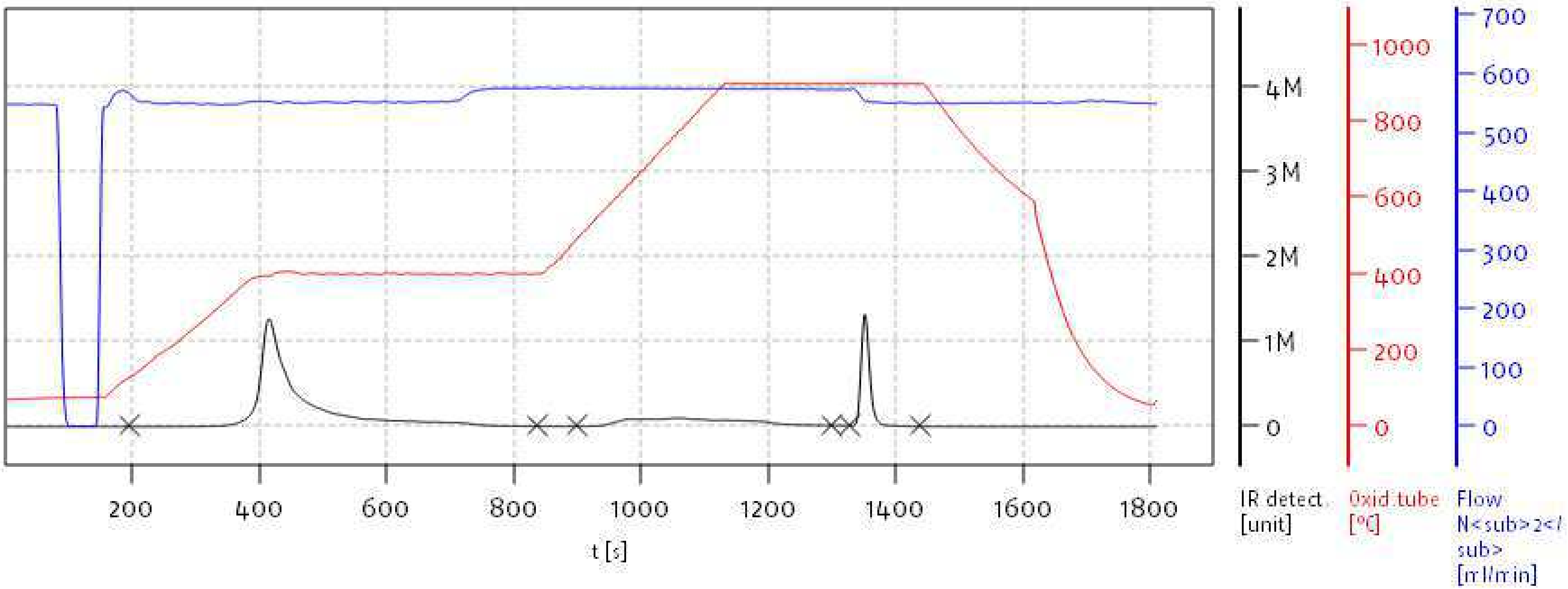
Serial No: 0300.181017
Mode CCC

Soli TOC Cube, Carbon
Balance: BAL3
Analyst: DOE

	Pos.	Name	Weight [mg]	Memo	Method	Date Time	Info	TOC [%]	TOC400 Area	TC [%]	ROC [%]	ROC Area	TIC900 Area	TOC400 [%]	TIC900 [%]	TOC400 Factor	TIC900 Factor
47	47	22L0246-39	557.10		CARBON	12/25/2022 10:39 AM	bl	1.071	3 195 809	1.298	0.212	791 170	845 334	0.858	0.228	0.9747	1.0000



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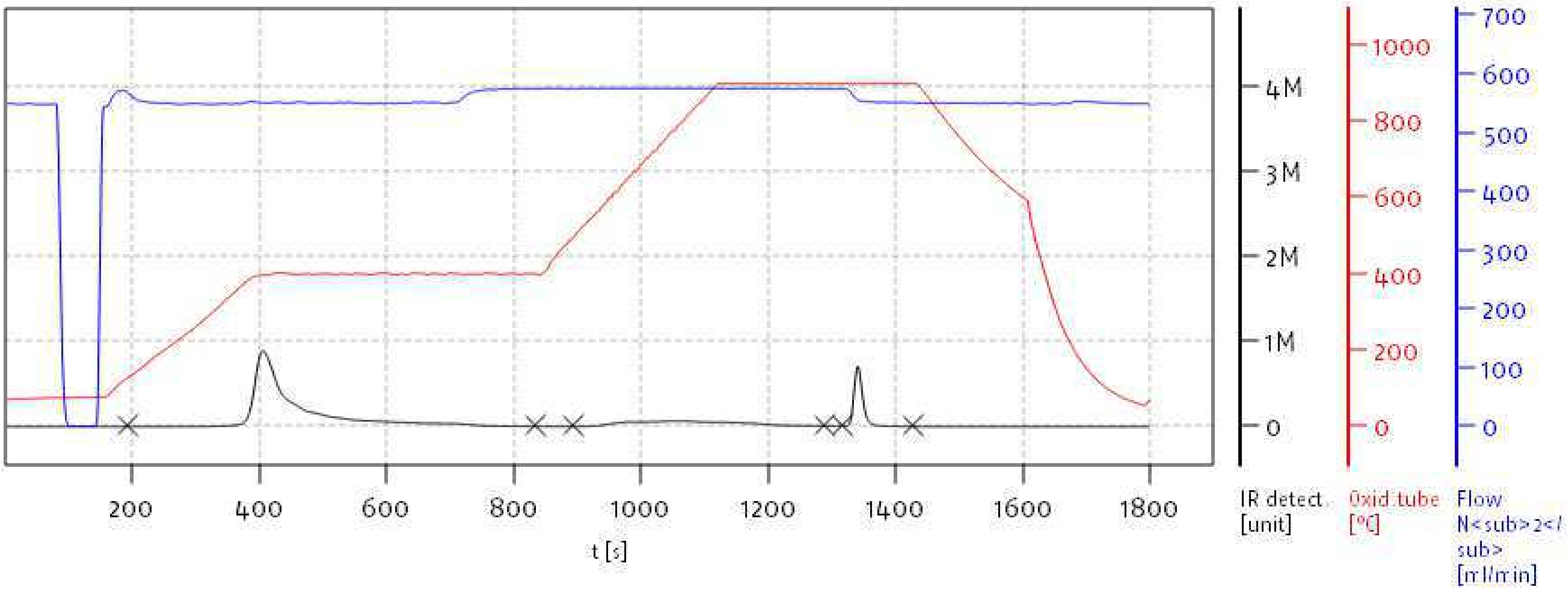
soliTOC V2.0.2 (31015f9) 2018-11-19
Serial No: 0300.181017
Mode CCC

Soli TOC Cube, Carbon
Balance: BAL3
Analyst: DOE

	Pos.	Name	Weight [mg]	Memo	Method	Date Time	Info	TOC [%]	TOC400 Area	TC [%]	ROC [%]	ROC Area	TIC900 Area	TOC400 [%]	TIC900 [%]	TOC400 Factor	TIC900 Factor
48	48	22L0246-40	510.20		CARBON	12/25/2022 11:09 AM	bl	0.811	2 351 355	0.969	0.123	432 724	547 712	0.688	0.158	0.9747	1.0000



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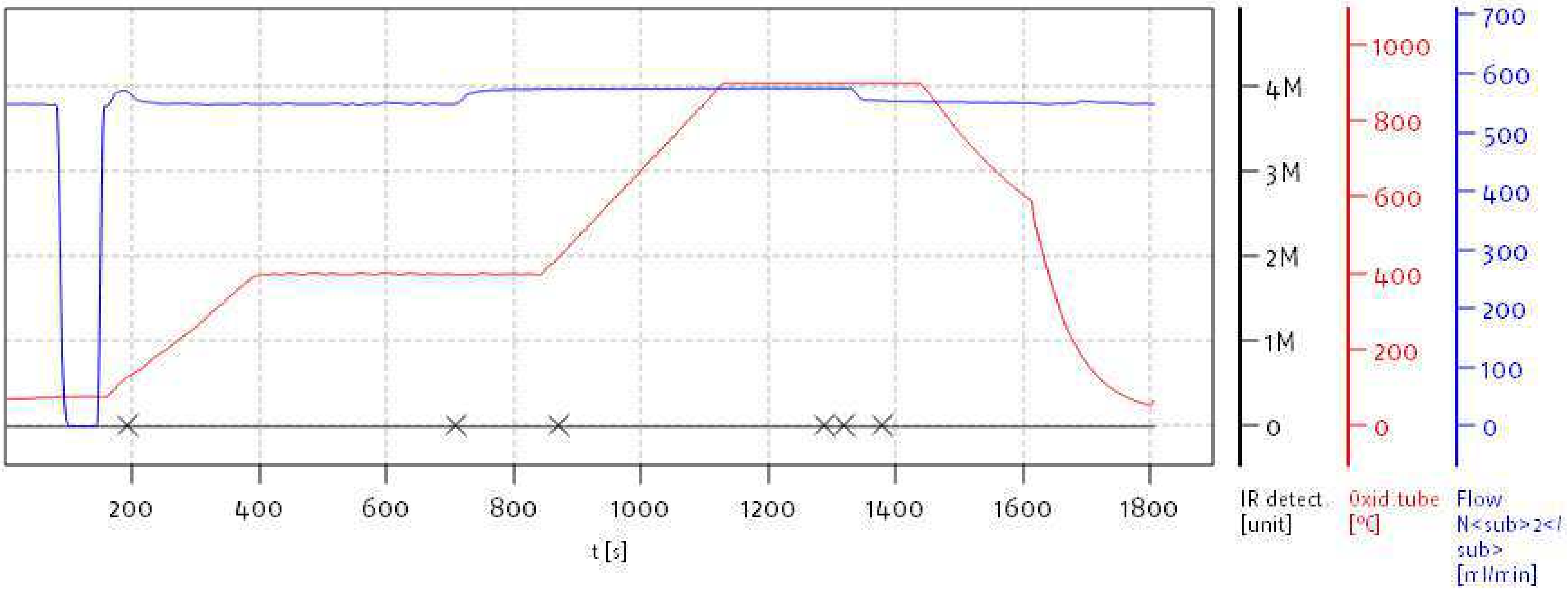
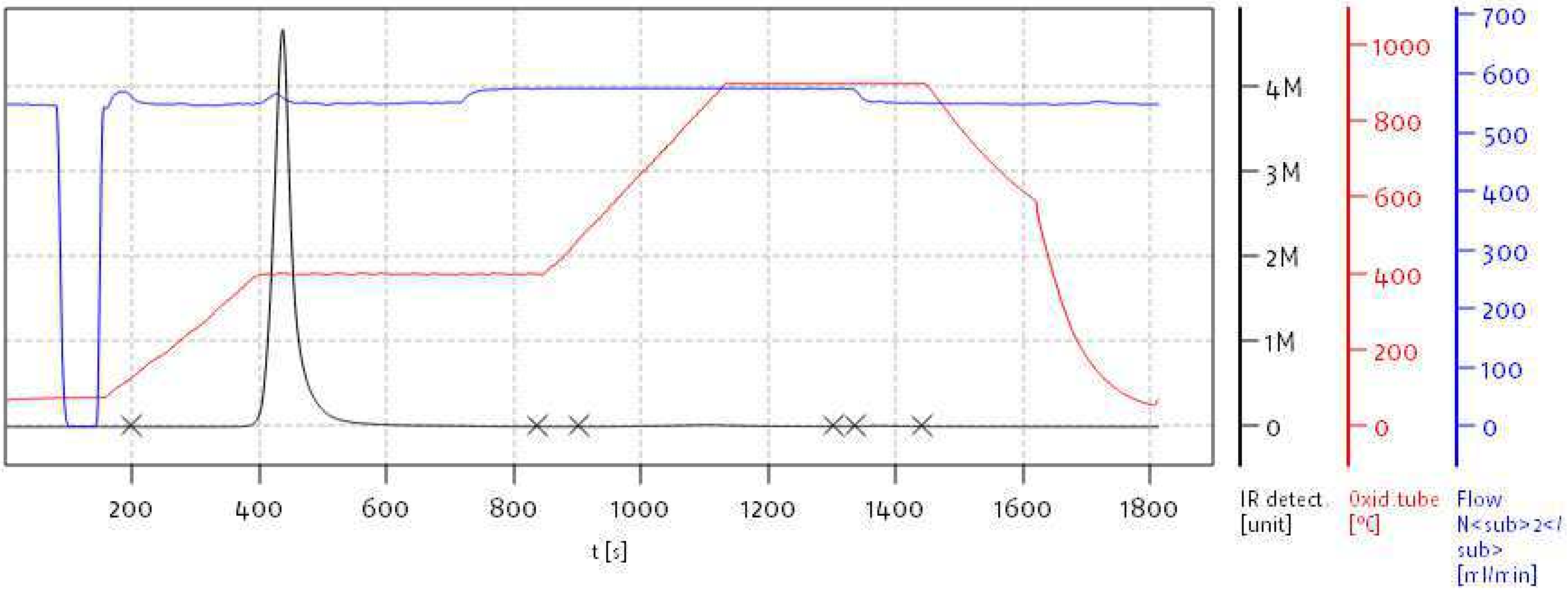
Serial No: 0300.181017
Mode CCC

	Pos.	Name	Weight [mg]	Memo	Method	Date Time	Info	TOC [%]	TOC400 Area	TC [%]	ROC [%]	ROC Area	TIC900 Area	TOC400 [%]	TIC900 [%]	TOC400 Factor	TIC900 Factor
49	49	BLANK	1.00		CARBON	12/25/2022 11:40 AM	bl	0.000	5 652	0.000	0.000	113	1 629	0.000	0.000	0.9747	1.0000



Soli TOC Cube, Carbon
Balance: BAL3
Analyst: DOE

	Pos.	Name	Weight [mg]	Memo	Method	Date Time	Info	TOC [%]	TOC400 Area	TC [%]	ROC [%]	ROC Area	TIC900 Area	TOC400 [%]	TIC900 [%]	TOC400 Factor	TIC900 Factor
50	50	Dfactor	21.70		CARBON	12/25/2022 12:10 PM	bl	44.446	6 406 735	45.172	0.000	26 463	128 298	44.446	0.726	0.9765	1.0000



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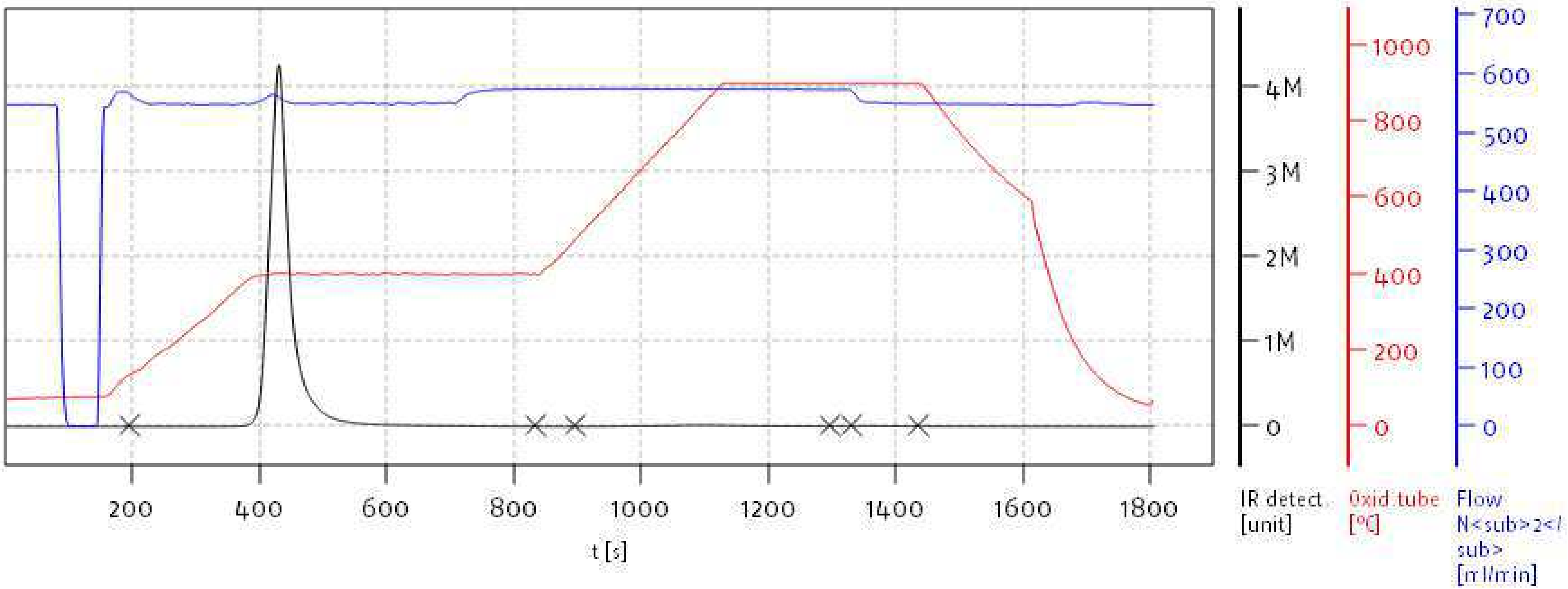
Soli TOC Cube, Carbon
Balance: BAL3
Analyst: DOE

	Pos.	Name	Weight [mg]	Memo	Method	Date Time	Info	TOC [%]	TOC400 Area	TC [%]	ROC [%]	ROC Area	TIC900 Area	TOC400 [%]	TIC900 [%]	TOC400 Factor	TIC900 Factor
51	51	Dfactor	20.80		CARBON	12/25/2022 12:41 PM	bl	44.446	6 136 057	45.110	0.000	21 612	115 860	44.446	0.665	0.9775	1.0000



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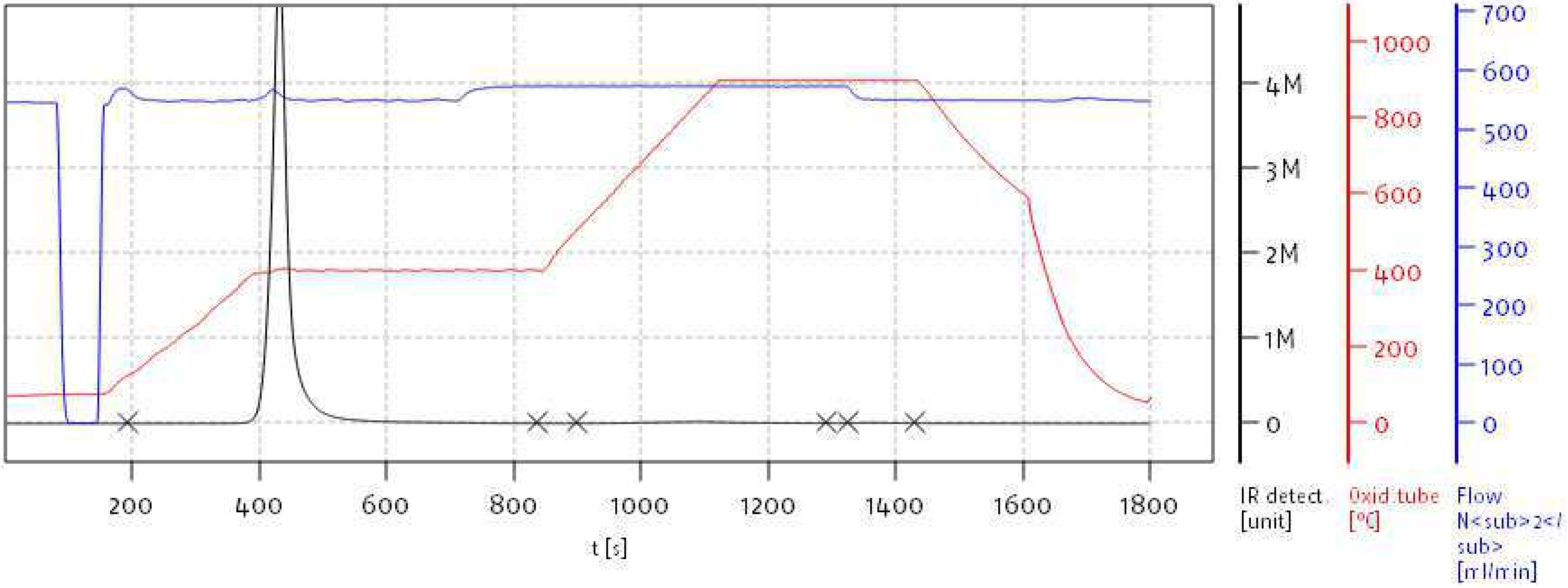
Soli TOC Cube, Carbon
Balance: BAL3
Analyst: DOE

	Pos.	Name	Weight [mg]	Memo	Method	Date Time	Info	TOC [%]	TOC400 Area	TC [%]	ROC [%]	ROC Area	TIC900 Area	TOC400 [%]	TIC900 [%]	TOC400 Factor	TIC900 Factor
52	52	SKL0311-CCV4	21.20		CARBON	12/25/2022 1:11 PM	bl	44.365	6 245 342	45.141	0.000	24 859	132 799	44.365	0.776	0.9770	1.0000



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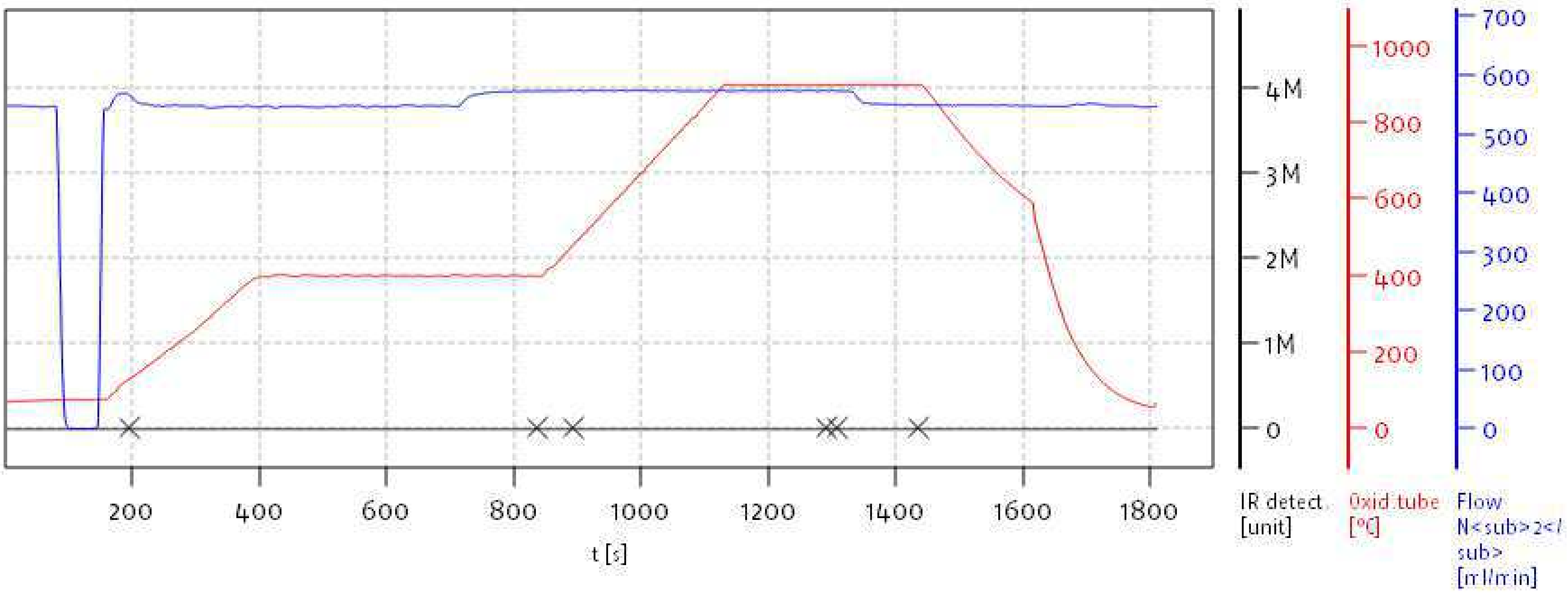
Soli TOC Cube, Carbon
Balance: BAL3
Analyst: DOE

	Pos.	Name	Weight [mg]	Memo	Method	Date Time	Info	TOC [%]	TOC400 Area	TC [%]	ROC [%]	ROC Area	TIC900 Area	TOC400 [%]	TIC900 [%]	TOC400 Factor	TIC900 Factor
53	53	SKL0311-CCB4	515.60		CARBON	12/25/2022 1:42 PM	bl,C2u	0.000	6 691	0.000	0.000	1 015	3 431	0.000	0.000	0.9770	1.0000



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Soli TOC Cube, Carbon
Balance: BAL3
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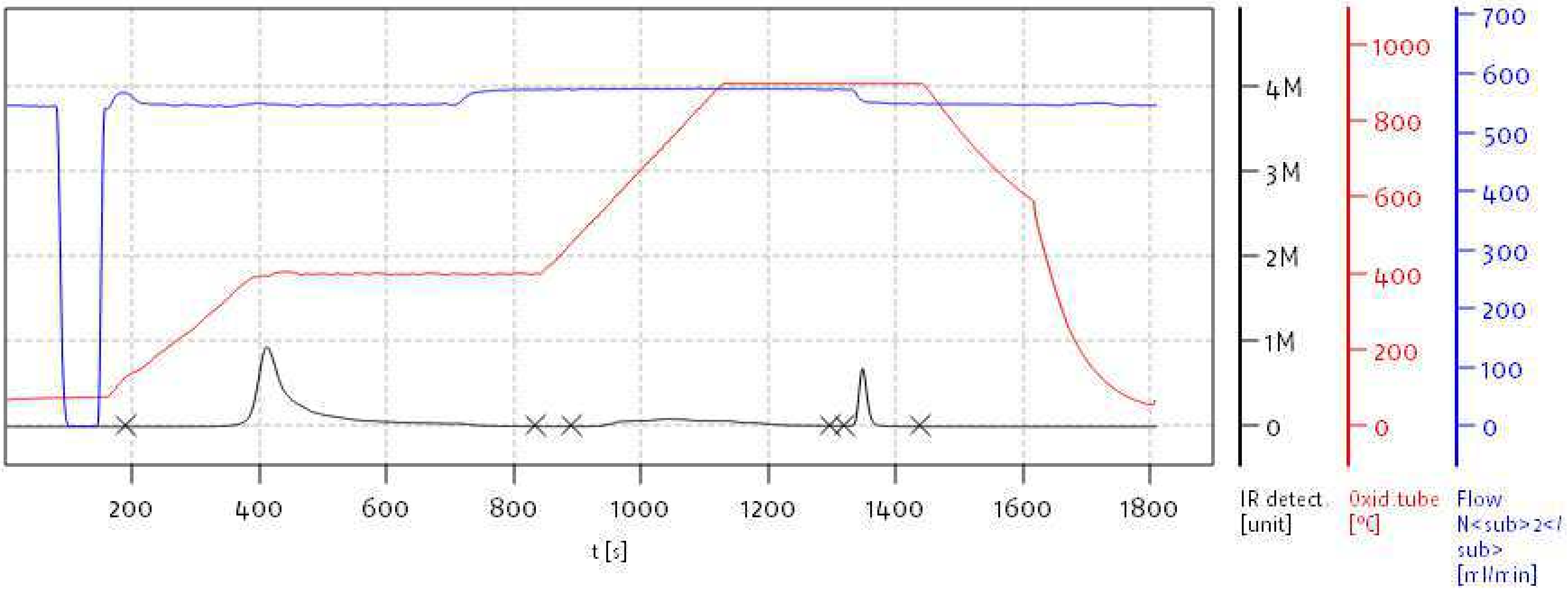
	Pos.	Name	Weight [mg]	Memo	Method	Date Time	Info	TOC [%]	TOC400 Area	TC [%]	ROC [%]	ROC Area	TIC900 Area	TOC400 [%]	TIC900 [%]	TOC400 Factor	TIC900 Factor
54	54	22L0246-41	522.50		CARBON	12/25/2022 2:12 PM	bl	0.809	2 441 226	1.004	0.110	399 264	684 257	0.699	0.195	0.9770	1.0000



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Balance: BAL3
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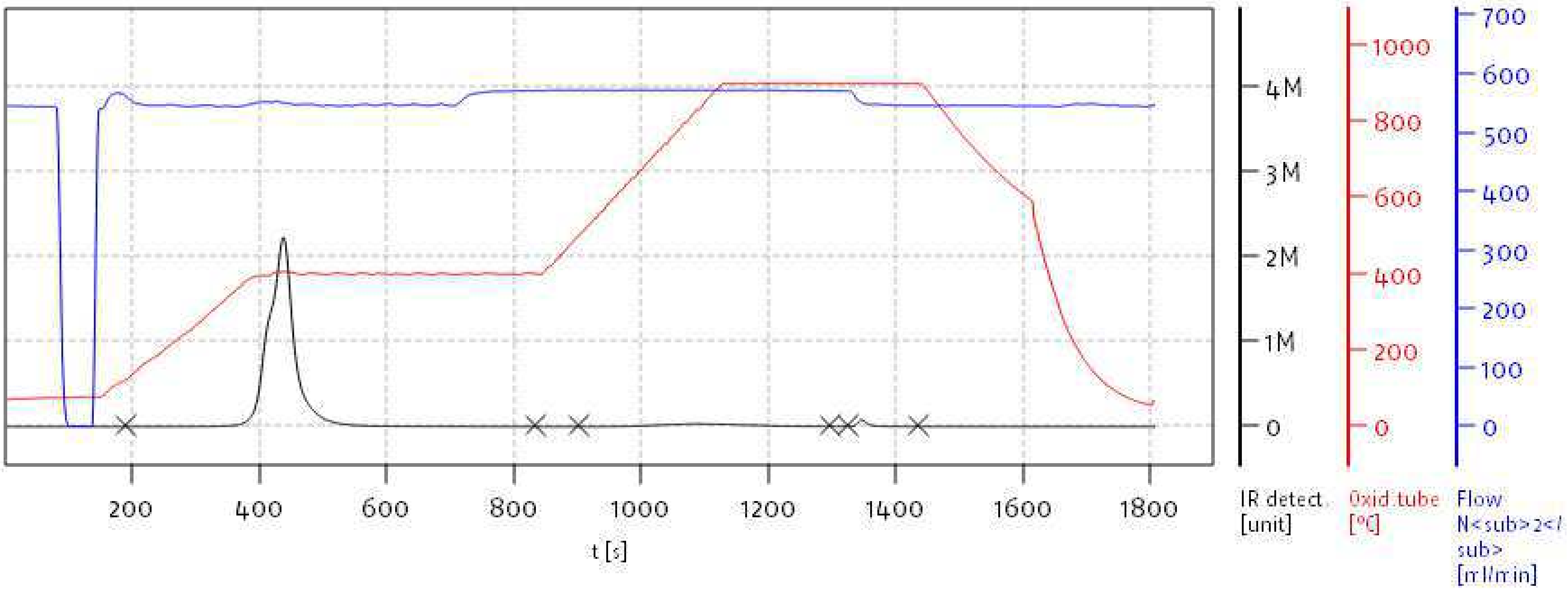
	Pos.	Name	Weight [mg]	Memo	Method	Date Time	Info	TOC [%]	TOC400 Area	TC [%]	ROC [%]	ROC Area	TIC900 Area	TOC400 [%]	TIC900 [%]	TOC400 Factor	TIC900 Factor
55	55	22L0246-42	511.90		CARBON	12/25/2022 2:43 PM	bl	1.162	3 927 411	1.214	0.009	57 094	198 476	1.153	0.052	0.9770	1.0000



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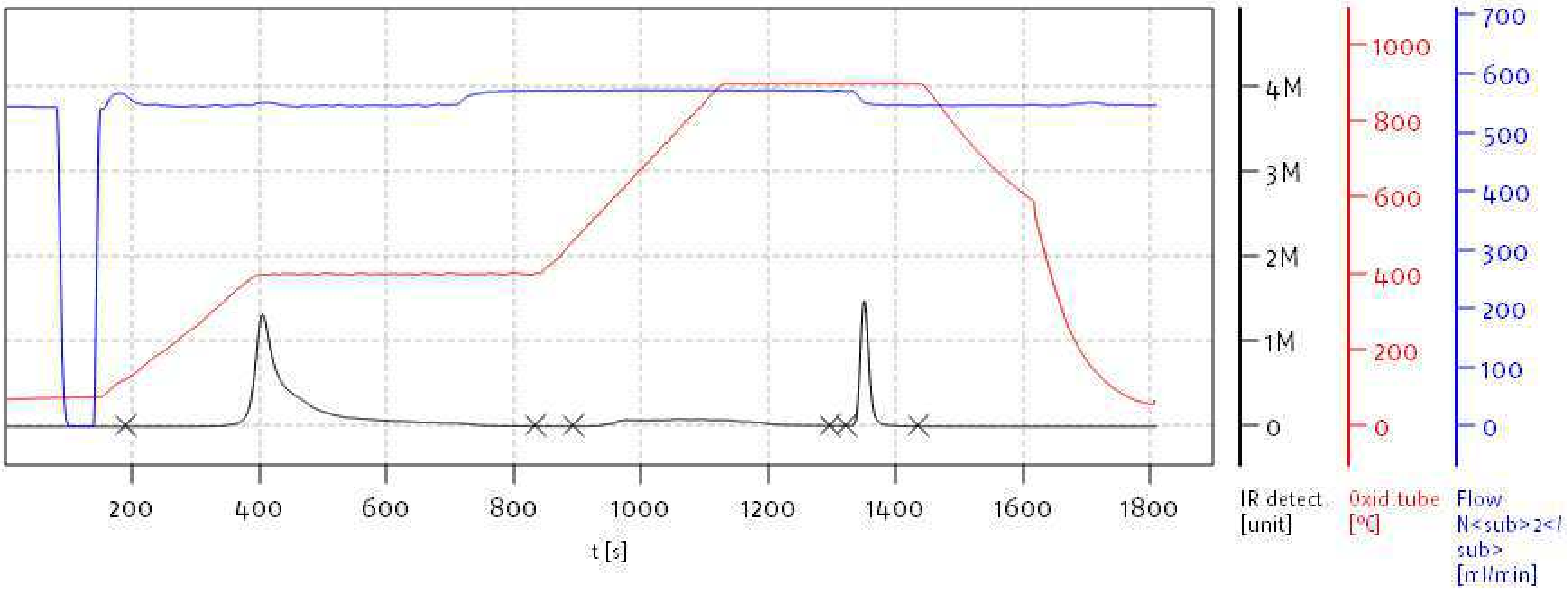
	Pos.	Name	Weight [mg]	Memo	Method	Date Time	Info	TOC [%]	TOC400 Area	TC [%]	ROC [%]	ROC Area	TIC900 Area	TOC400 [%]	TIC900 [%]	TOC400 Factor	TIC900 Factor
56	56	22L0246-43	530.00		CARBON	12/25/2022 3:13 PM	bl	1.153	3 156 998	1.359	0.260	915 249	733 506	0.893	0.206	0.9770	1.0000



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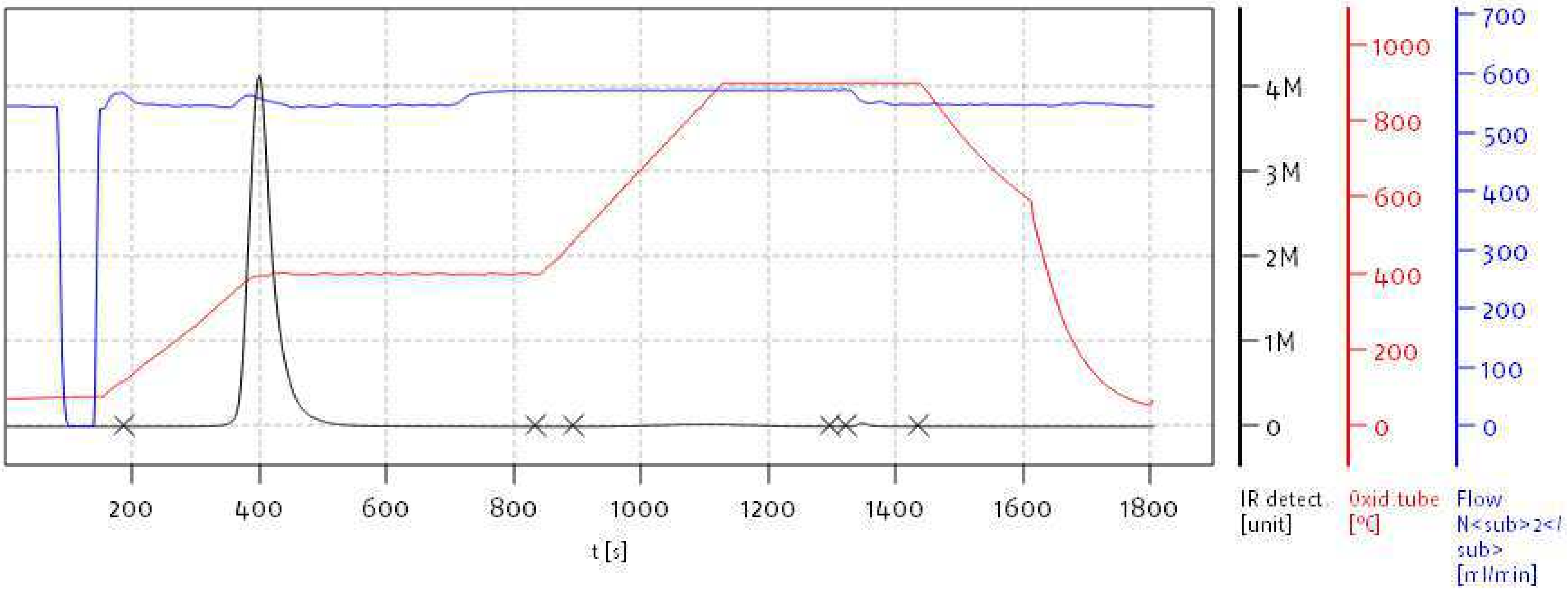
Soli TOC Cube, Carbon
Balance: BAL3
Analyst: DOE

	Pos.	Name	Weight [mg]	Memo	Method	Date Time	Info	TOC [%]	TOC400 Area	TC [%]	ROC [%]	ROC Area	TIC900 Area	TOC400 [%]	TIC900 [%]	TOC400 Factor	TIC900 Factor
57	57	22L0246-44	508.90		CARBON	12/25/2022 3:44 PM	bl	2.068	6 976 193	2.114	0.003	35 225	177 545	2.065	0.046	0.9770	1.0000



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Balance: BAL3
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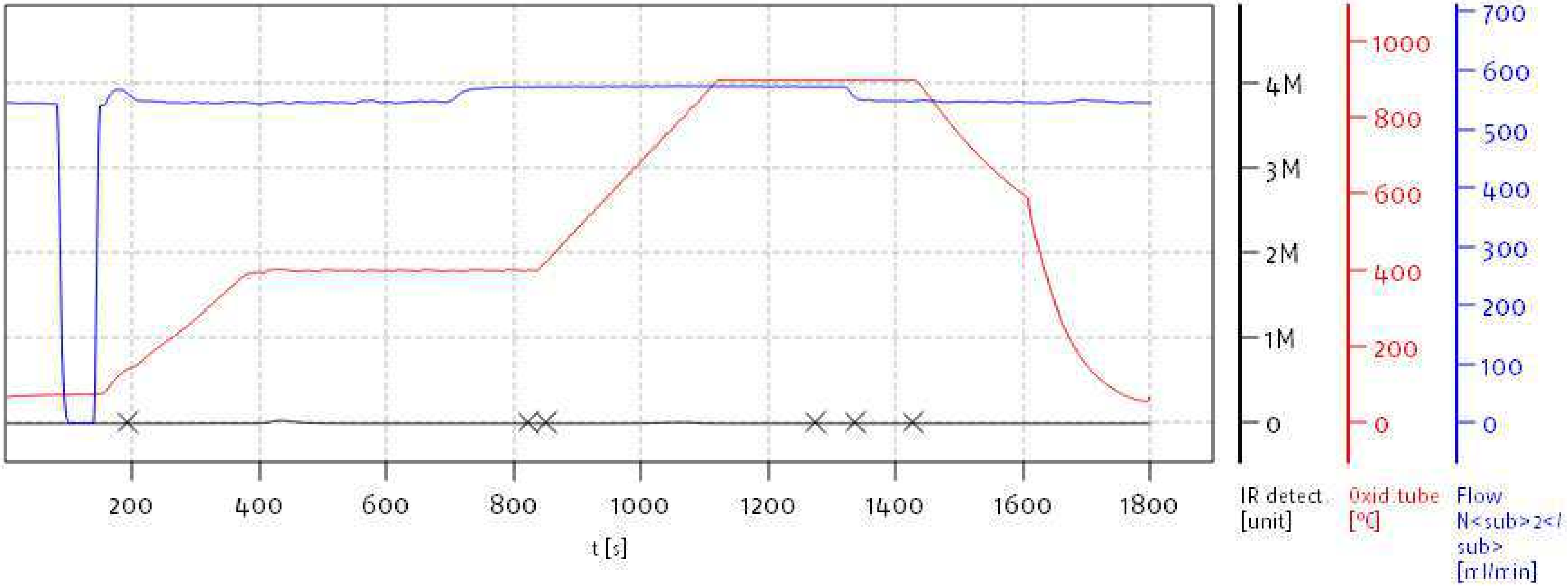
	Pos.	Name	Weight [mg]	Memo	Method	Date Time	Info	TOC [%]	TOC400 Area	TC [%]	ROC [%]	ROC Area	TIC900 Area	TOC400 [%]	TIC900 [%]	TOC400 Factor	TIC900 Factor
58	58	BKL0504-MRL 1	514.50		CARBON	12/25/2022 4:14 PM	bl,C2u	0.014	74 594	0.017	0.000	329	35 798	0.014	0.003	0.9770	1.0000



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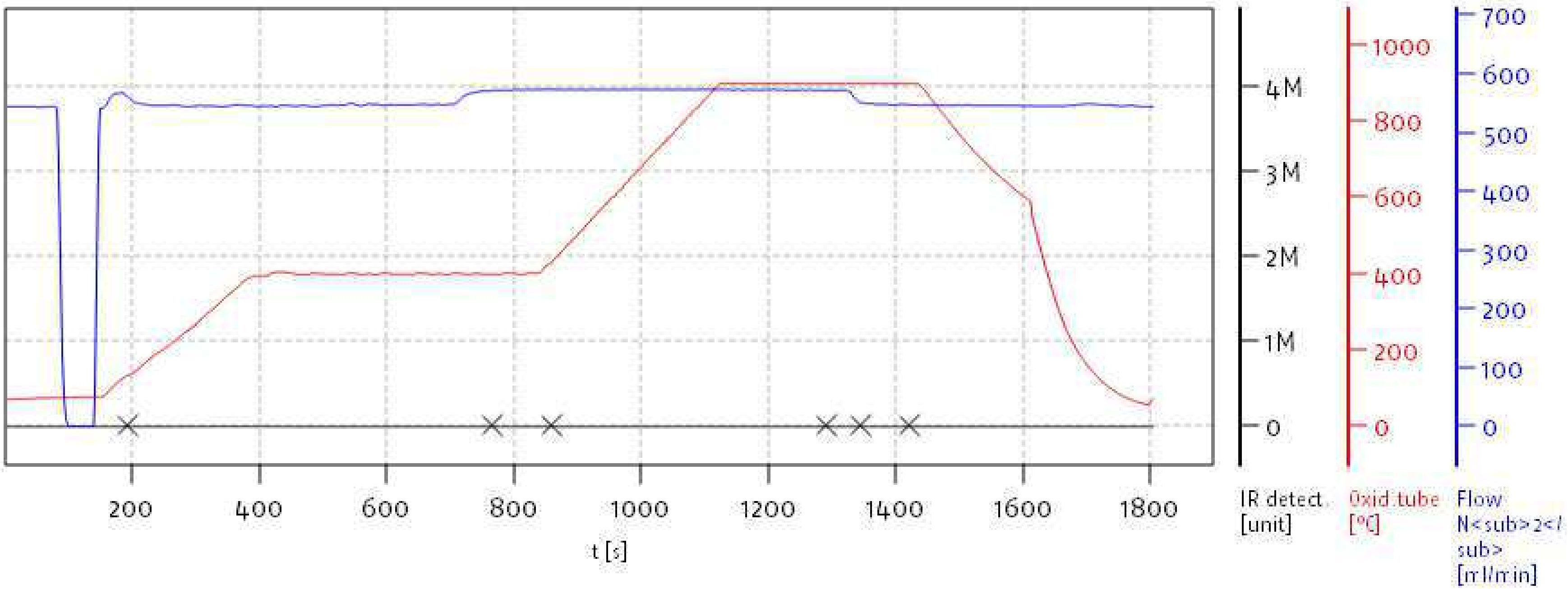
	Pos.	Name	Weight [mg]	Memo	Method	Date Time	Info	TOC [%]	TOC400 Area	TC [%]	ROC [%]	ROC Area	TIC900 Area	TOC400 [%]	TIC900 [%]	TOC400 Factor	TIC900 Factor
59	59	BKL0504-BLK1	523.90		CARBON	12/25/2022 4:45 PM	bl,C2u	0.000	10 884	0.000	0.000	230	4 089	0.000	0.000	0.9770	1.0000



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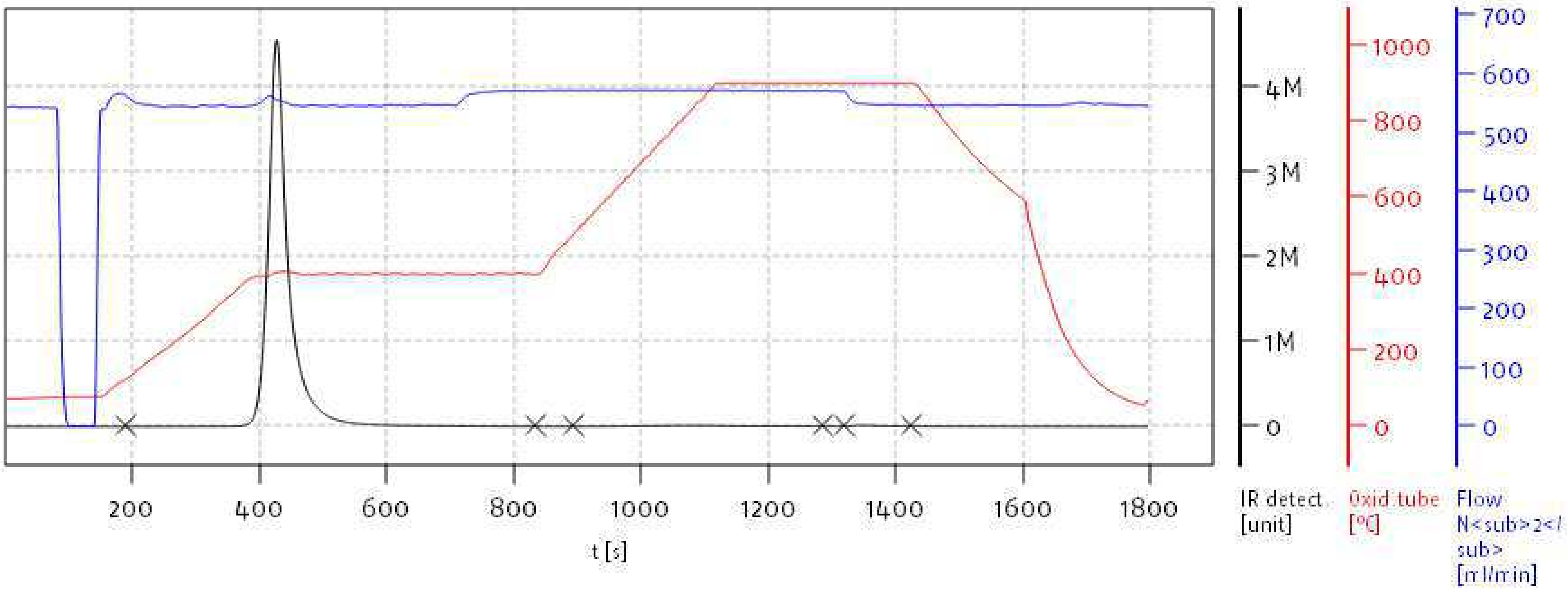
Soli TOC Cube, Carbon
Balance: BAL3
Analyst: DOE

	Pos.	Name	Weight [mg]	Memo	Method	Date Time	Info	TOC [%]	TOC400 Area	TC [%]	ROC [%]	ROC Area	TIC900 Area	TOC400 [%]	TIC900 [%]	TOC400 Factor	TIC900 Factor
60	60	BKL0504-BS1	21.30		CARBON	12/25/2022 5:15 PM	bl	44.760	6 323 876	45.268	0.046	32 809	96 493	44.714	0.508	0.9770	1.0000



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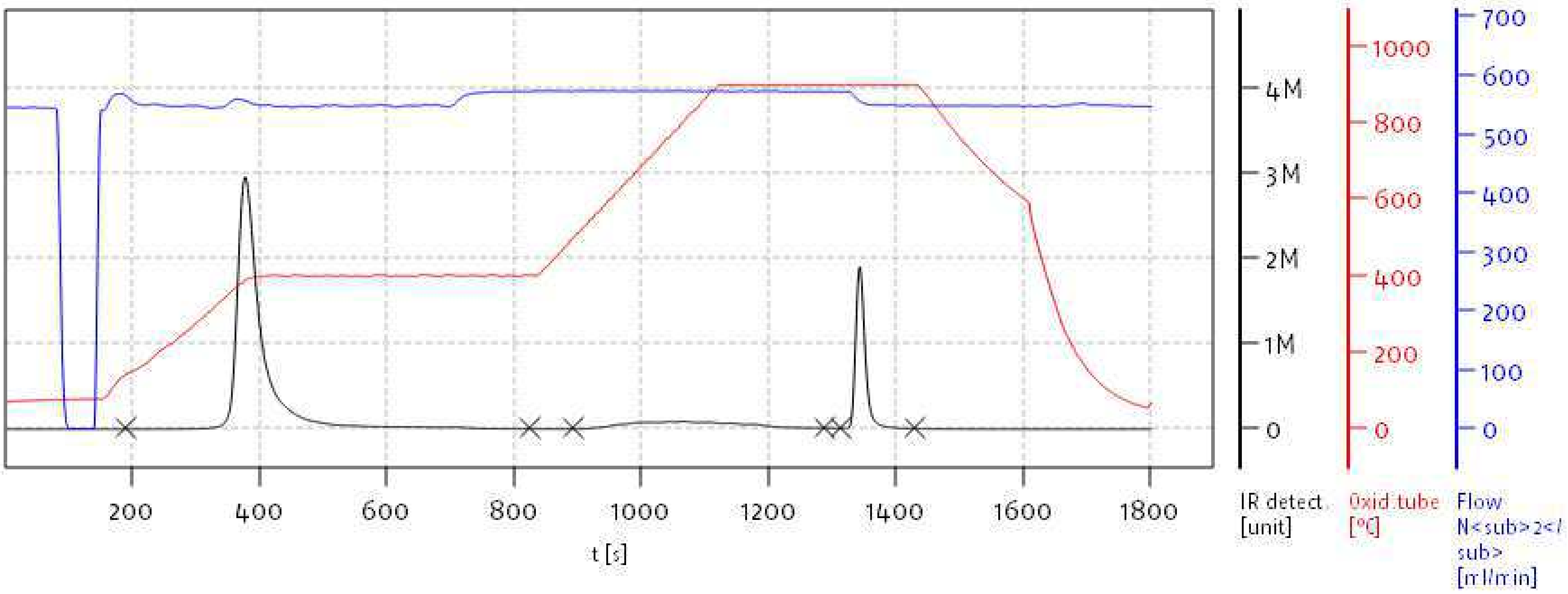
Soli TOC Cube, Carbon
Balance: BAL3
Analyst: DOE

	Pos.	Name	Weight [mg]	Memo	Method	Date Time	Info	TOC [%]	TOC400 Area	TC [%]	ROC [%]	ROC Area	TIC900 Area	TOC400 [%]	TIC900 [%]	TOC400 Factor	TIC900 Factor
61	61	BKL0504-SRM1	310.00		CARBON	12/25/2022 5:45 PM	bl	2.984	4 880 875	3.343	0.615	1 258 539	746 243	2.368	0.359	0.9770	1.0000



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Soli TOC Cube, Carbon
Balance: BAL3
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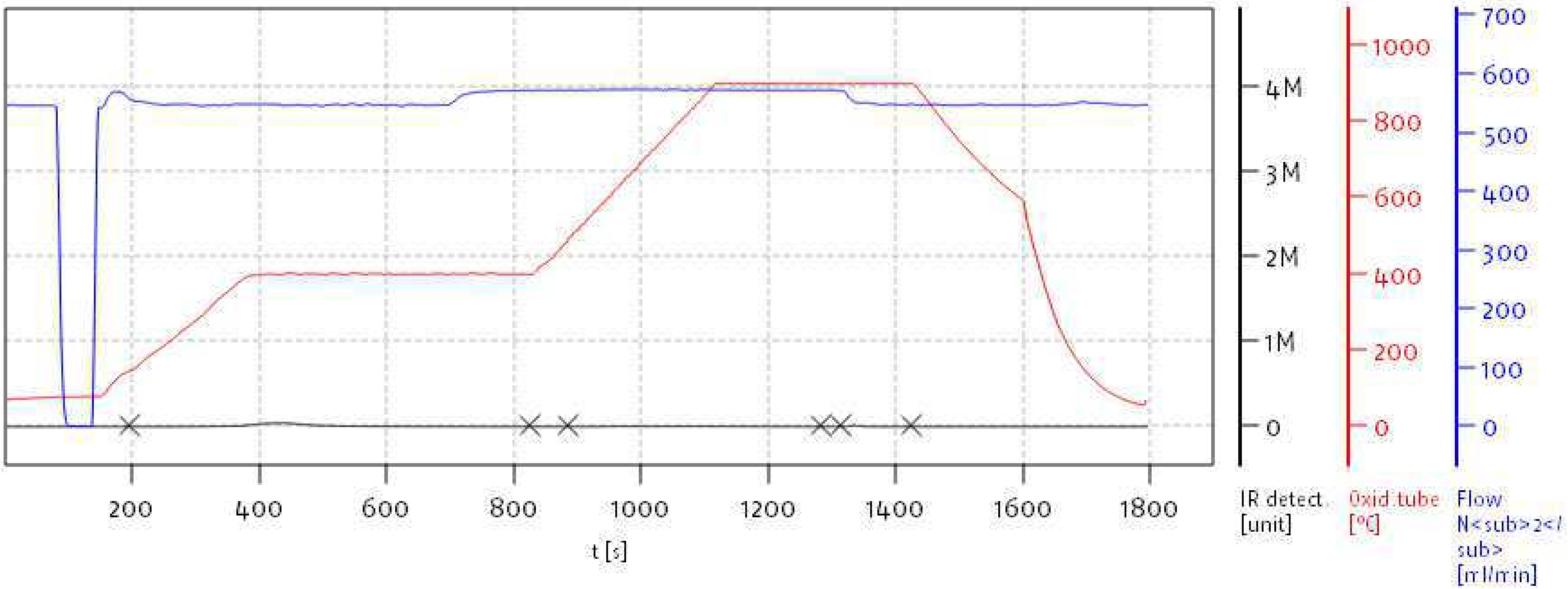
	Pos.	Name	Weight [mg]	Memo	Method	Date Time	Info	TOC [%]	TOC400 Area	TC [%]	ROC [%]	ROC Area	TIC900 Area	TOC400 [%]	TIC900 [%]	TOC400 Factor	TIC900 Factor
62	62	22L0246-45	555.70		CARBON	12/25/2022 6:16 PM	bl	0.043	184 359	0.045	0.000	9 983	34 628	0.043	0.002	0.9770	1.0000



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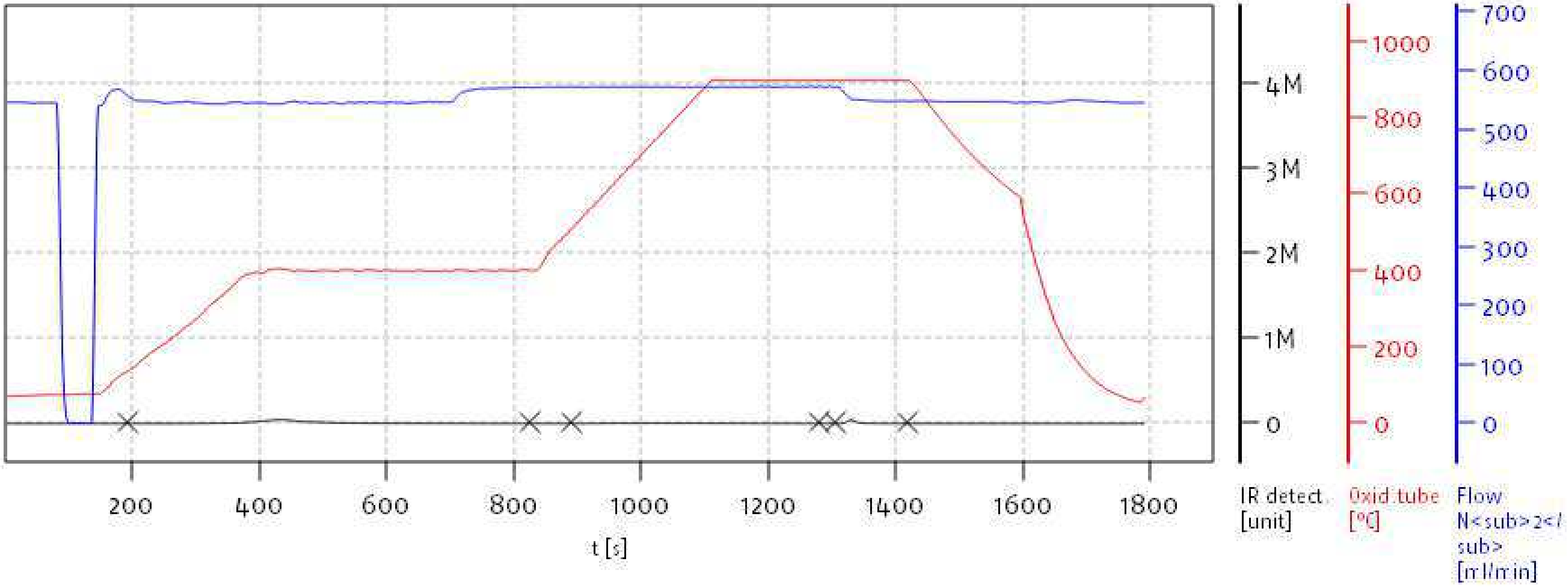
elementar
EXCELLENCE IN ELEMENTS

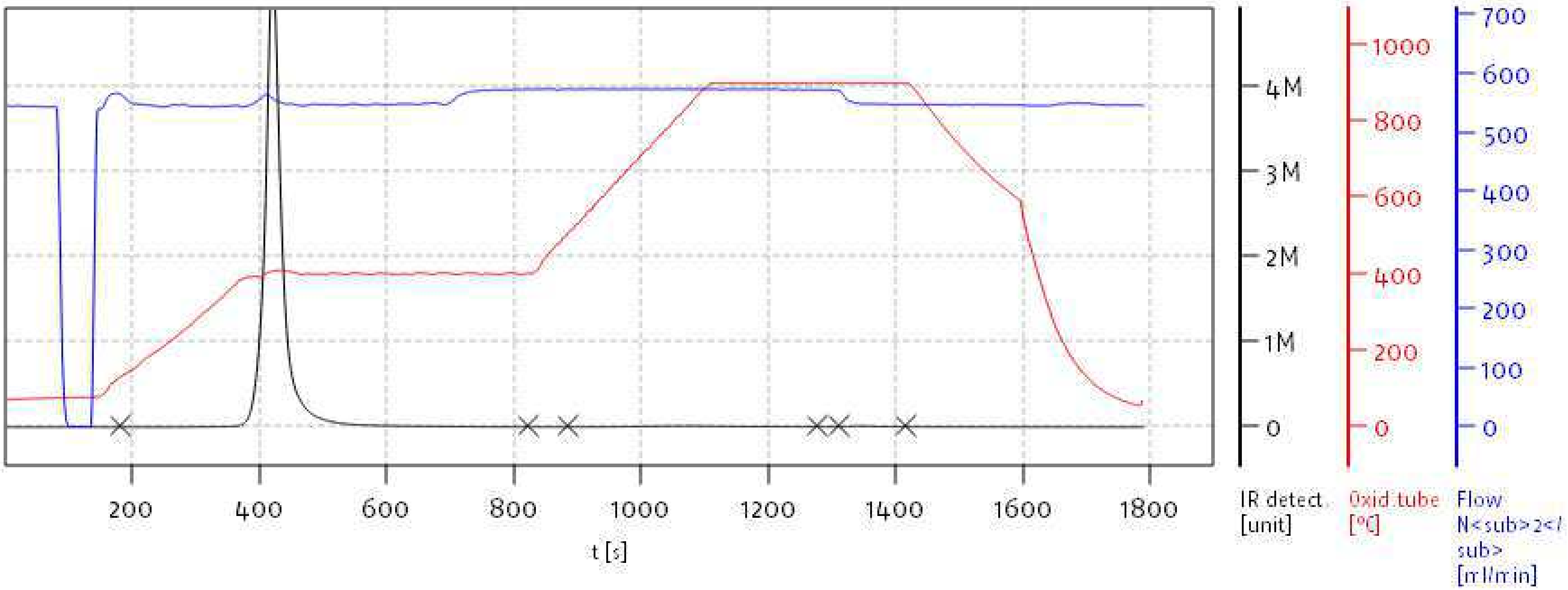
Soli TOC Cube, Carbon
Balance: BAL3
Analyst: DOE

	Pos.	Name	Weight [mg]	Memo	Method	Date Time	Info	TOC [%]	TOC400 Area	TC [%]	ROC [%]	ROC Area	TIC900 Area	TOC400 [%]	TIC900 [%]	TOC400 Factor	TIC900 Factor
63	63	BKL0504-DUP1	519.30		CARBON	12/25/2022 6:46 PM	bl	0.045	177 768	0.047	0.000	28 176	34 206	0.044	0.002	0.9770	1.0000



Soli TOC Cube, Carbon
Balance: BAL3
Analyst: DOE

	Pos.	Name	Weight [mg]	Memo	Method	Date Time	Info	TOC [%]	TOC400 Area	TC [%]	ROC [%]	ROC Area	TIC900 Area	TOC400 [%]	TIC900 [%]	TOC400 Factor	TIC900 Factor
64	64	SKL0311-CCV5	21.10		CARBON	12/25/2022 7:16 PM	bl	45.011	6 306 107	45.491	0.000	25 248	91 985	45.011	0.480	0.9770	1.0000



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Soli TOC Cube, Carbon
Balance: BAL3
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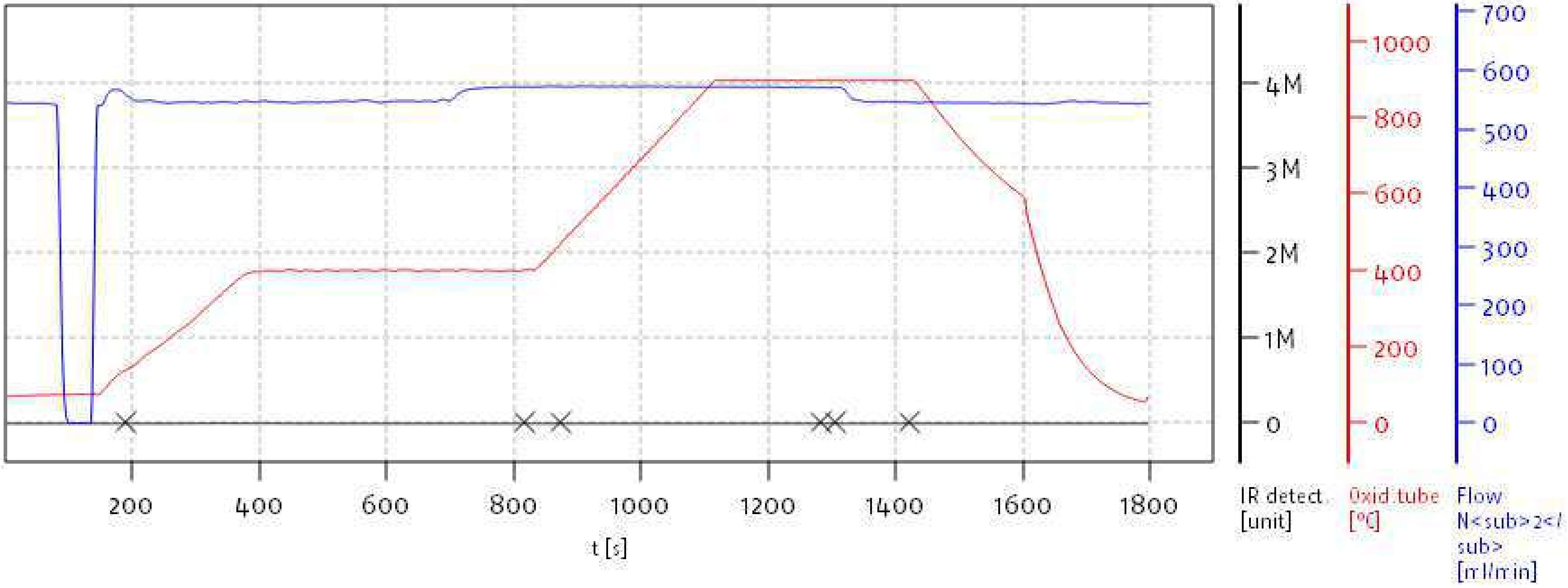
	Pos.	Name	Weight [mg]	Memo	Method	Date Time	Info	TOC [%]	TOC400 Area	TC [%]	ROC [%]	ROC Area	TIC900 Area	TOC400 [%]	TIC900 [%]	TOC400 Factor	TIC900 Factor
65	65	SKL0311-CCB5	537.60		CARBON	12/25/2022 7:47 PM	bl,C3u,C2u	0.000	12 440	0.000	0.000	484	133	0.000	0.000	0.9770	1.0000



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Balance: BAL3
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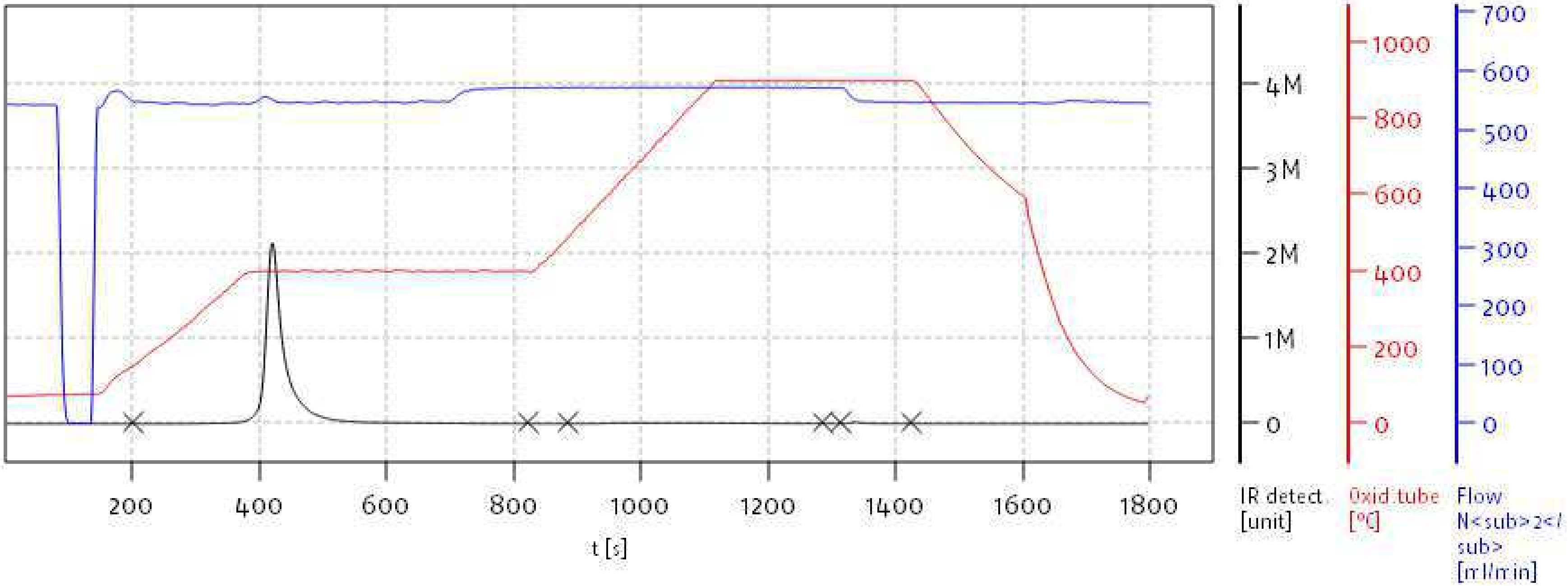
	Pos.	Name	Weight [mg]	Memo	Method	Date Time	Info	TOC [%]	TOC400 Area	TC [%]	ROC [%]	ROC Area	TIC900 Area	TOC400 [%]	TIC900 [%]	TOC400 Factor	TIC900 Factor
66	66	BKL0504-MS1	598.80	0.0087	CARBON	12/25/2022 8:17 PM	bl	0.695	2 777 506	0.709	0.000	18 238	83 188	0.695	0.015	0.9770	1.0000



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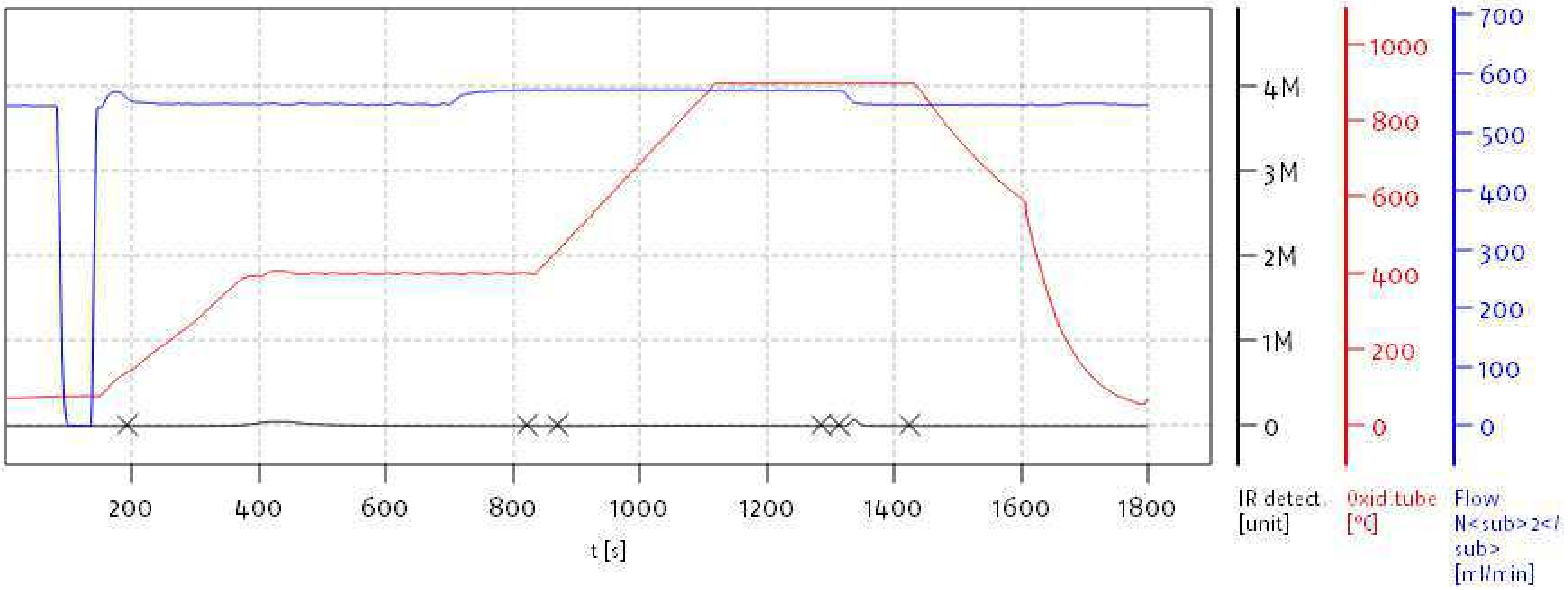
soliTOC V2.0.2 (31015f9) 2018-11-19
Serial No: 0300.181017
Mode CCC

Soli TOC Cube, Carbon
Balance: BAL3
Analyst: DOE

	Pos.	Name	Weight [mg]	Memo	Method	Date Time	Info	TOC [%]	TOC400 Area	TC [%]	ROC [%]	ROC Area	TIC900 Area	TOC400 [%]	TIC900 [%]	TOC400 Factor	TIC900 Factor
67	67	22L0246-46	593.00		CARBON	12/25/2022 8:47 PM	bl	0.060	239 640	0.067	0.005	46 767	54 321	0.054	0.007	0.9770	1.0000



Name:

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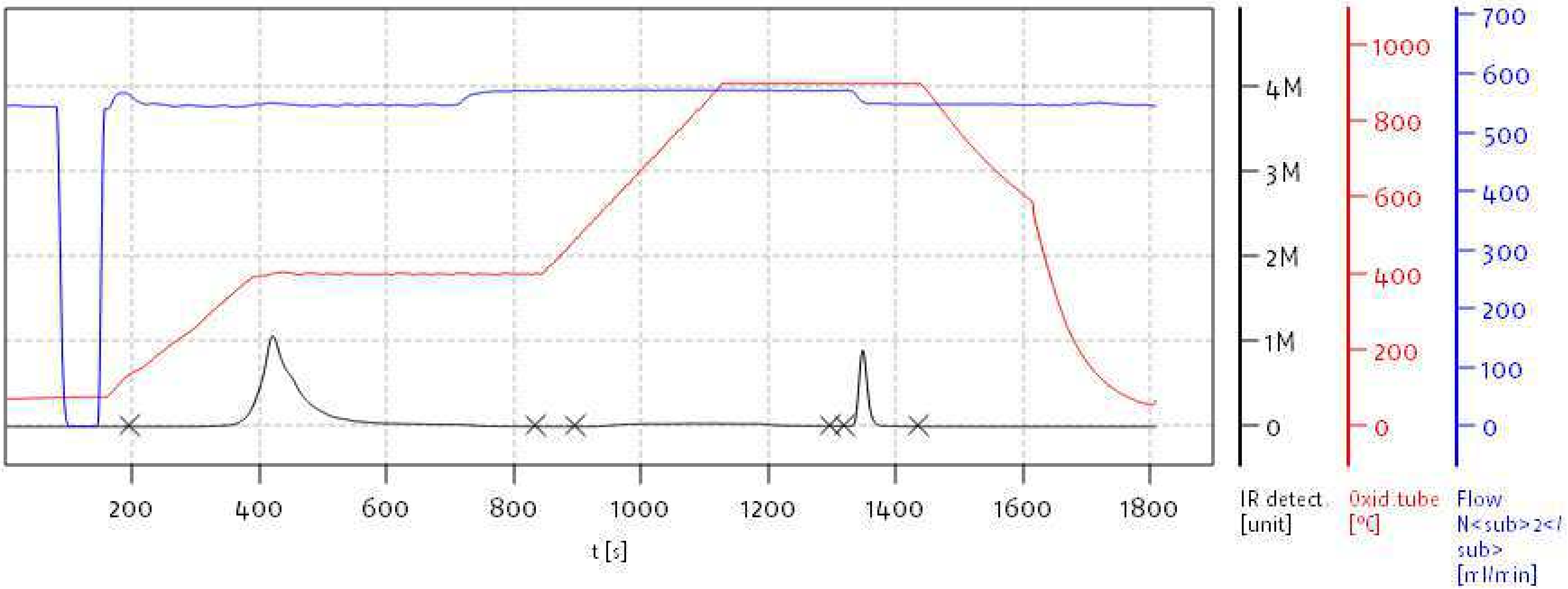
Date: Mon Dec 26 13:49:33 2022

soliTOC V2.0.2 (31015f9) 2018-11-19
Serial No: 0300.181017
Mode CCC

Document: 122422DOE from: 12/26/2022 1:48 PM

Soli TOC Cube, Carbon
Balance: BAL3
Analyst: DOE

	Pos.	Name	Weight [mg]	Memo	Method	Date Time	Info	TOC [%]	TOC400 Area	TC [%]	ROC [%]	ROC Area	TIC900 Area	TOC400 [%]	TIC900 [%]	TOC400 Factor	TIC900 Factor
68	68	22L0246-47	549.40		CARBON	12/25/2022 9:18 PM	bl	0.912	2 818 148	1.000	0.143	534 929	341 527	0.768	0.089	0.9770	1.0000



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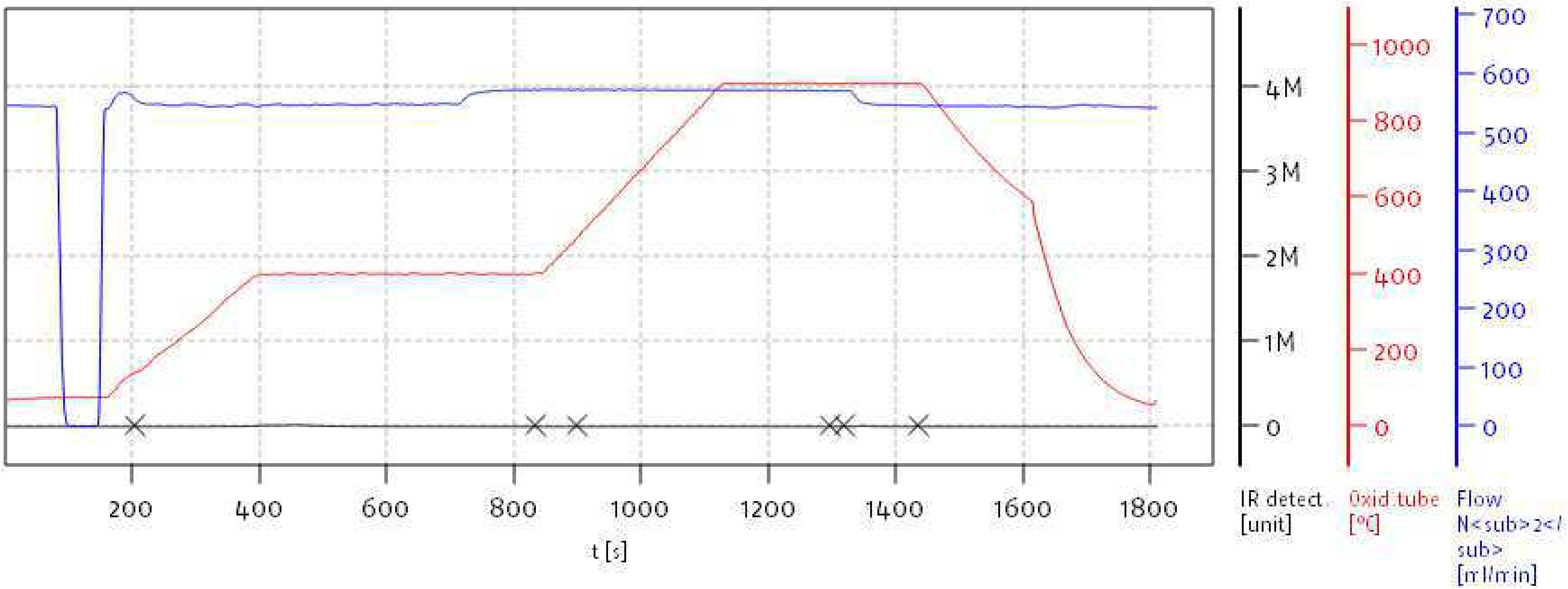
soliTOC V2.0.2 (31015f9) 2018-11-19
Serial No: 0300.181017
Mode CCC

elementar
EXCELLENCE IN ELEMENTS

Soli TOC Cube, Carbon
Balance: BAL3
Analyst: DOE

	Pos.	Name	Weight [mg]	Memo	Method	Date Time	Info	TOC [%]	TOC400 Area	TC [%]	ROC [%]	ROC Area	TIC900 Area	TOC400 [%]	TIC900 [%]	TOC400 Factor	TIC900 Factor
69	69	22L0246-48	542.20		CARBON	12/25/2022 9:48 PM	bl	0.017	88 635	0.017	0.000	9 118	14 955	0.017	0.000	0.9770	1.0000



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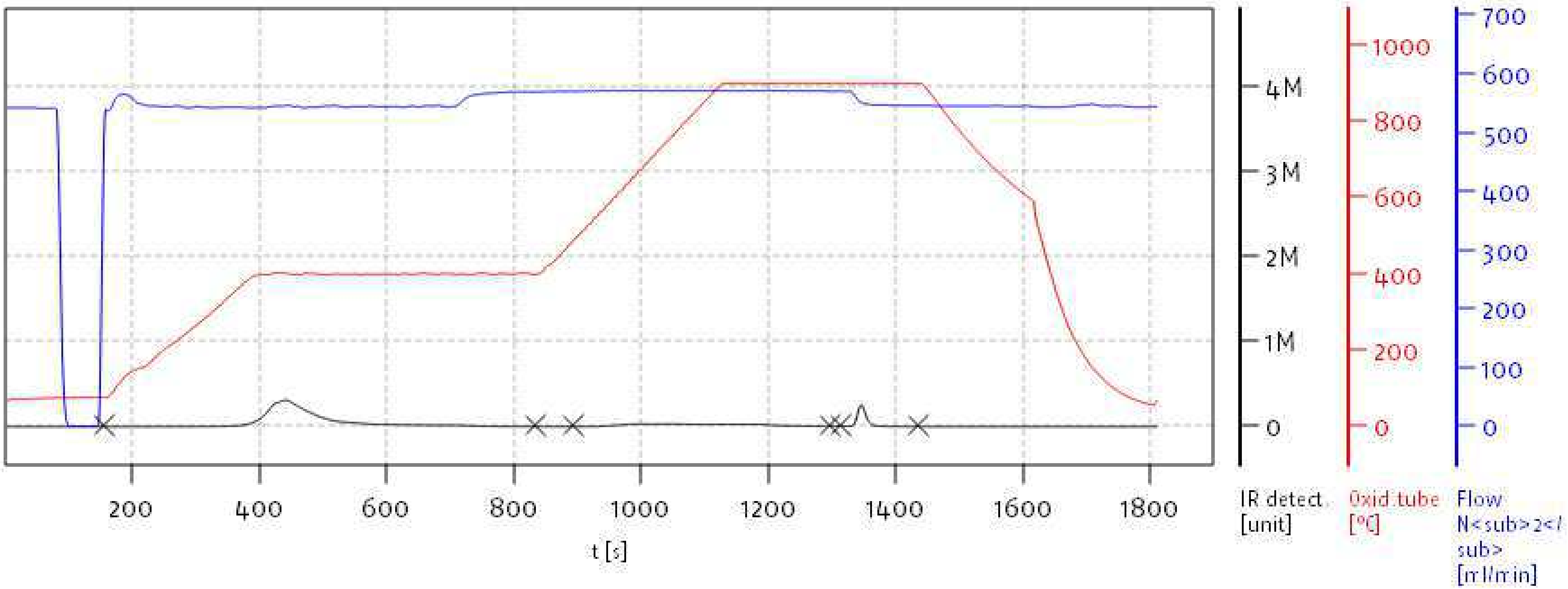
Soli TOC Cube, Carbon
Balance: BAL3
Analyst: DOE

	Pos.	Name	Weight [mg]	Memo	Method	Date Time	Info	TOC [%]	TOC400 Area	TC [%]	ROC [%]	ROC Area	TIC900 Area	TOC400 [%]	TIC900 [%]	TOC400 Factor	TIC900 Factor
70	70	22L0307-01	576.50		CARBON	12/25/2022 10:19 PM	bl	0.330	1 147 111	0.401	0.036	158 856	294 431	0.294	0.072	0.9770	1.0000



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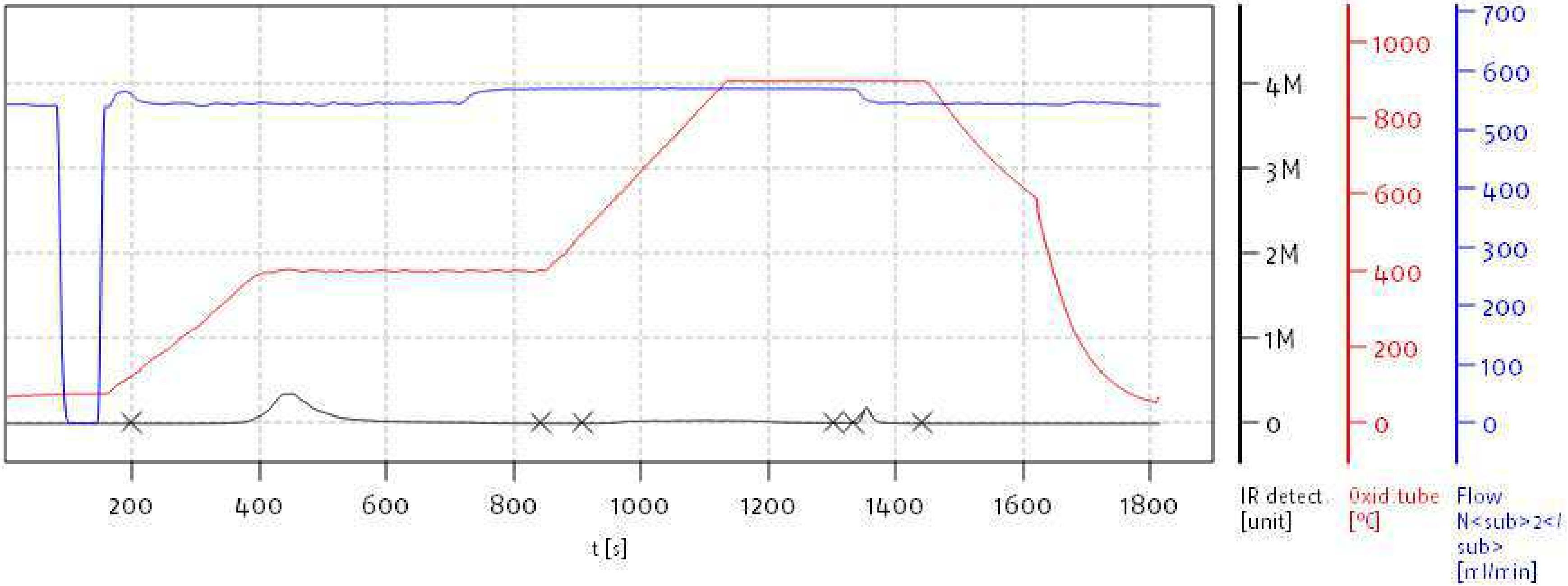
Soli TOC Cube, Carbon
Balance: BAL3
Analyst: DOE

	Pos.	Name	Weight [mg]	Memo	Method	Date Time	Info	TOC [%]	TOC400 Area	TC [%]	ROC [%]	ROC Area	TIC900 Area	TOC400 [%]	TIC900 [%]	TOC400 Factor	TIC900 Factor
71	71	22L0307-02	537.30		CARBON	12/25/2022 10:50 PM	bl	0.386	1 292 643	0.472	0.029	127 731	327 871	0.356	0.087	0.9770	1.0000



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Balance: BAL3
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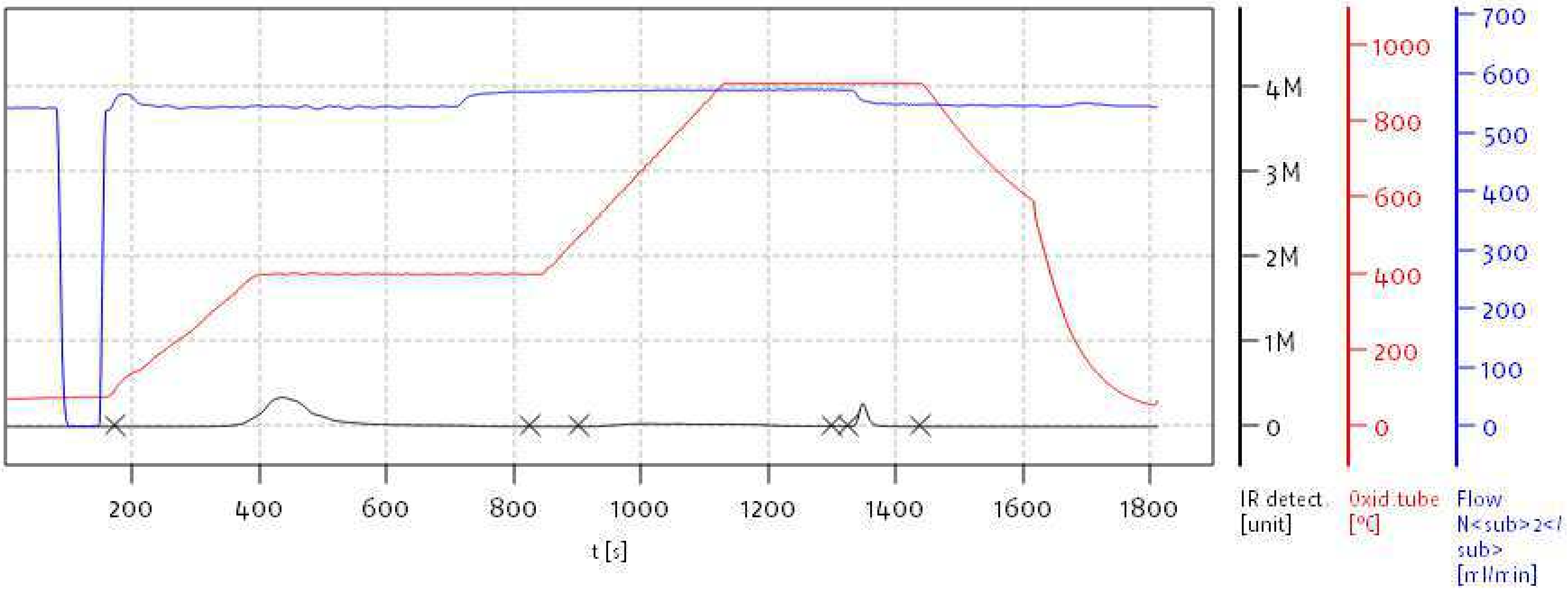
	Pos.	Name	Weight [mg]	Memo	Method	Date Time	Info	TOC [%]	TOC400 Area	TC [%]	ROC [%]	ROC Area	TIC900 Area	TOC400 [%]	TIC900 [%]	TOC400 Factor	TIC900 Factor
72	72	22L0307-03	563.50		CARBON	12/25/2022 11:20 PM	bl	0.391	1 337 437	0.464	0.039	168 781	290 897	0.352	0.073	0.9770	1.0000



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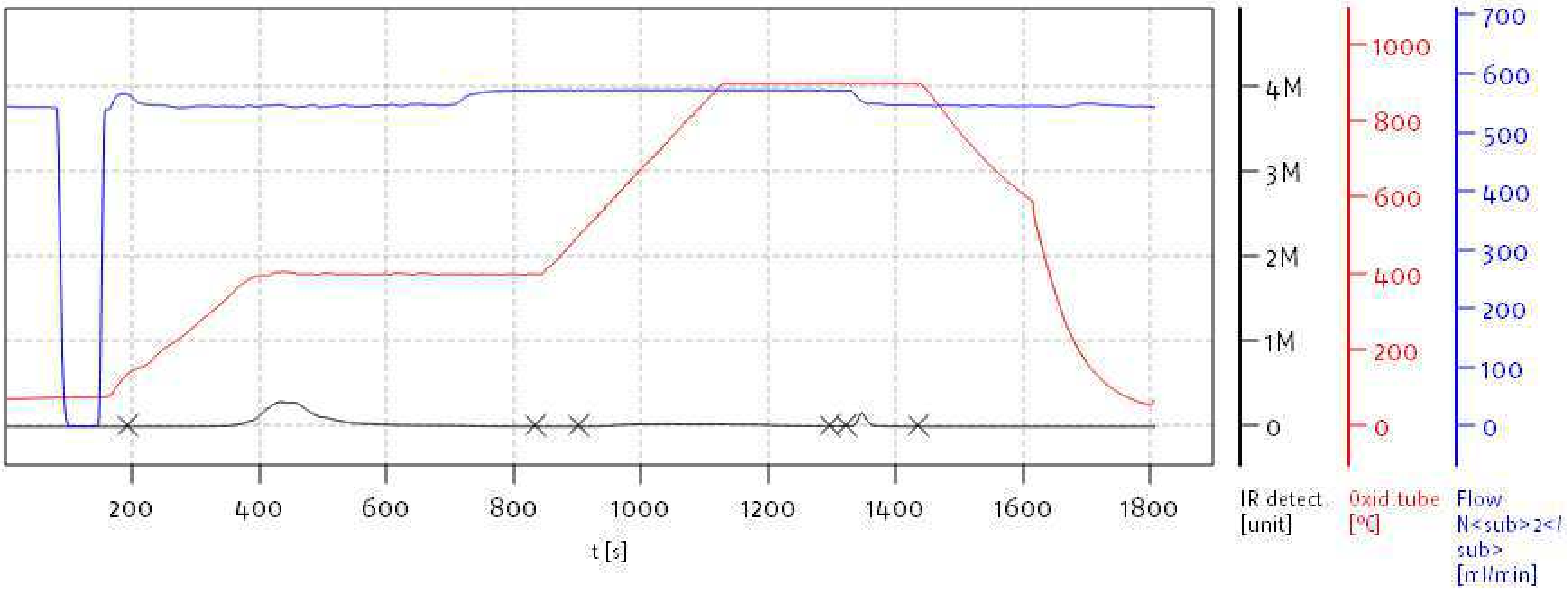
	Pos.	Name	Weight [mg]	Memo	Method	Date Time	Info	TOC [%]	TOC400 Area	TC [%]	ROC [%]	ROC Area	TIC900 Area	TOC400 [%]	TIC900 [%]	TOC400 Factor	TIC900 Factor
73	73	22L0307-04	541.50		CARBON	12/25/2022 11:51 PM	bl	0.351	1 203 923	0.419	0.022	102 816	266 997	0.329	0.069	0.9770	1.0000



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Serial No: 0300.181017
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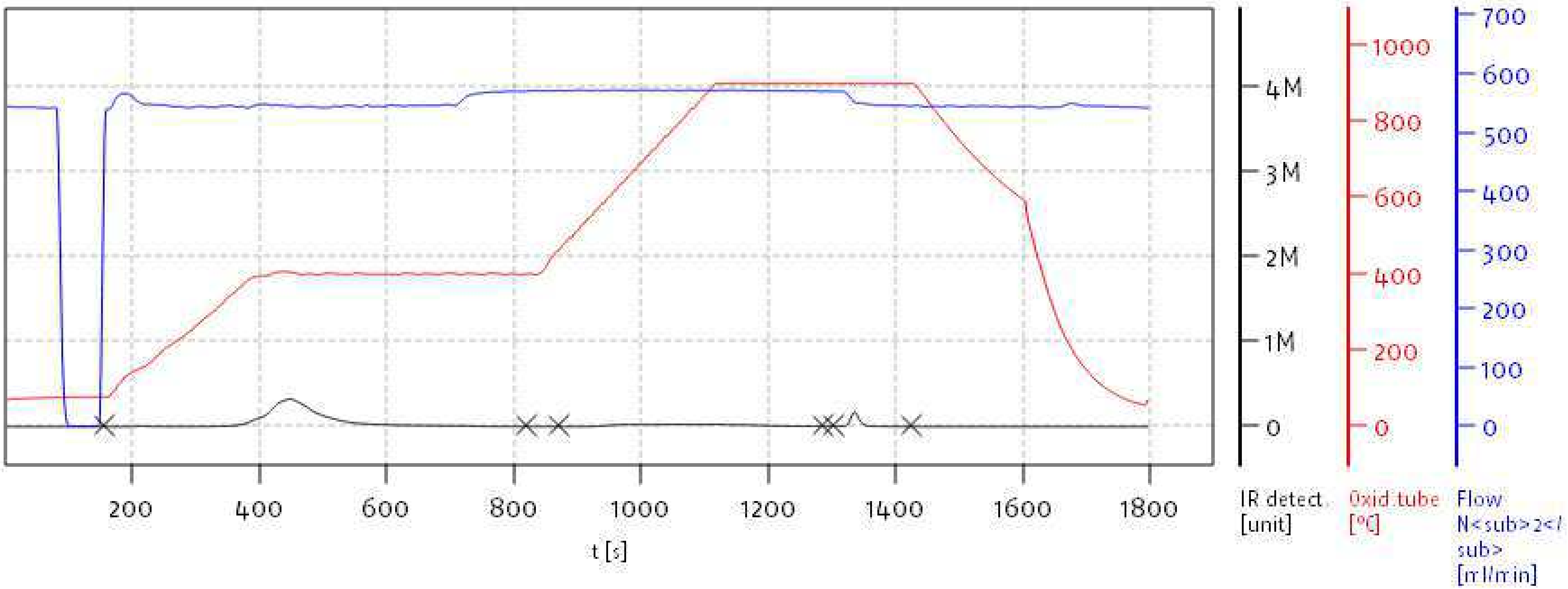
elementar
EXCELLENCE IN ELEMENTS

Soli TOC Cube, Carbon
Balance: BAL3
Analyst: DOE

	Pos.	Name	Weight [mg]	Memo	Method	Date Time	Info	TOC [%]	TOC400 Area	TC [%]	ROC [%]	ROC Area	TIC900 Area	TOC400 [%]	TIC900 [%]	TOC400 Factor	TIC900 Factor
74	74	22L0307-05	532.70		CARBON	12/26/2022 12:21 AM	bl	0.366	1 230 504	0.430	0.025	111 192	244 878	0.342	0.063	0.9770	1.0000



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Serial No: 0300.181017
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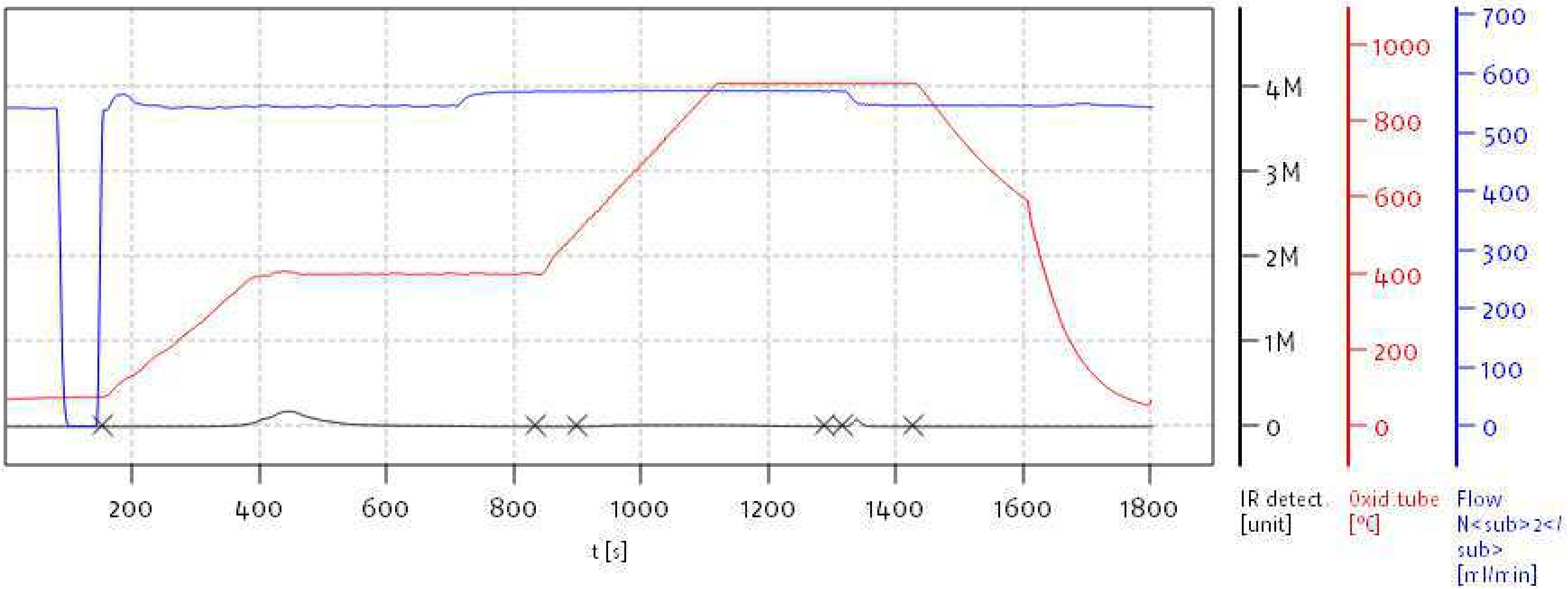
Soli TOC Cube, Carbon
Balance: BAL3
Analyst: DOE

	Pos.	Name	Weight [mg]	Memo	Method	Date Time	Info	TOC [%]	TOC400 Area	TC [%]	ROC [%]	ROC Area	TIC900 Area	TOC400 [%]	TIC900 [%]	TOC400 Factor	TIC900 Factor
75	75	22L0307-06	515.80		CARBON	12/26/2022 12:52 AM	bl	0.208	711 021	0.249	0.007	50 514	161 914	0.201	0.041	0.9770	1.0000



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Soli TOC Cube, Carbon
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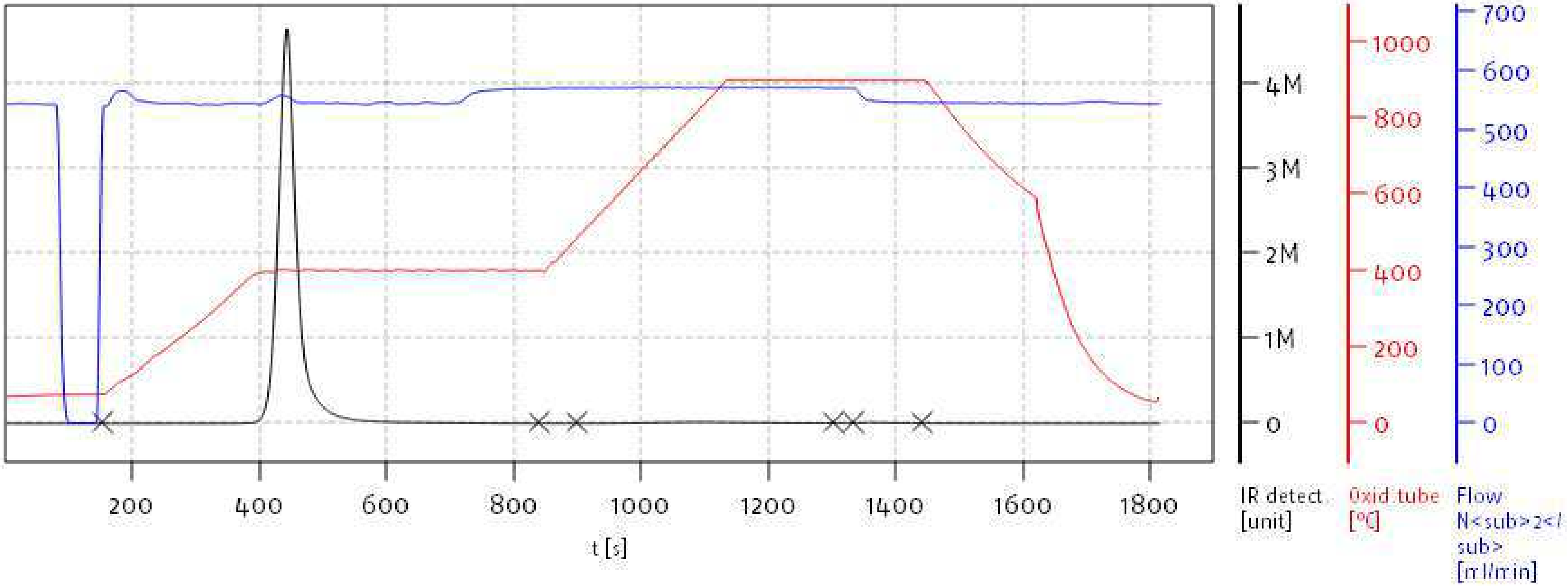
	Pos.	Name	Weight [mg]	Memo	Method	Date Time	Info	TOC [%]	TOC400 Area	TC [%]	ROC [%]	ROC Area	TIC900 Area	TOC400 [%]	TIC900 [%]	TOC400 Factor	TIC900 Factor
76	76	SKL0311-CCV6	20.30		CARBON	12/26/2022 1:22 AM	bl	45.224	6 093 741	46.014	0.021	29 335	130 185	45.202	0.790	0.9770	1.0000



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Balance: BAL3
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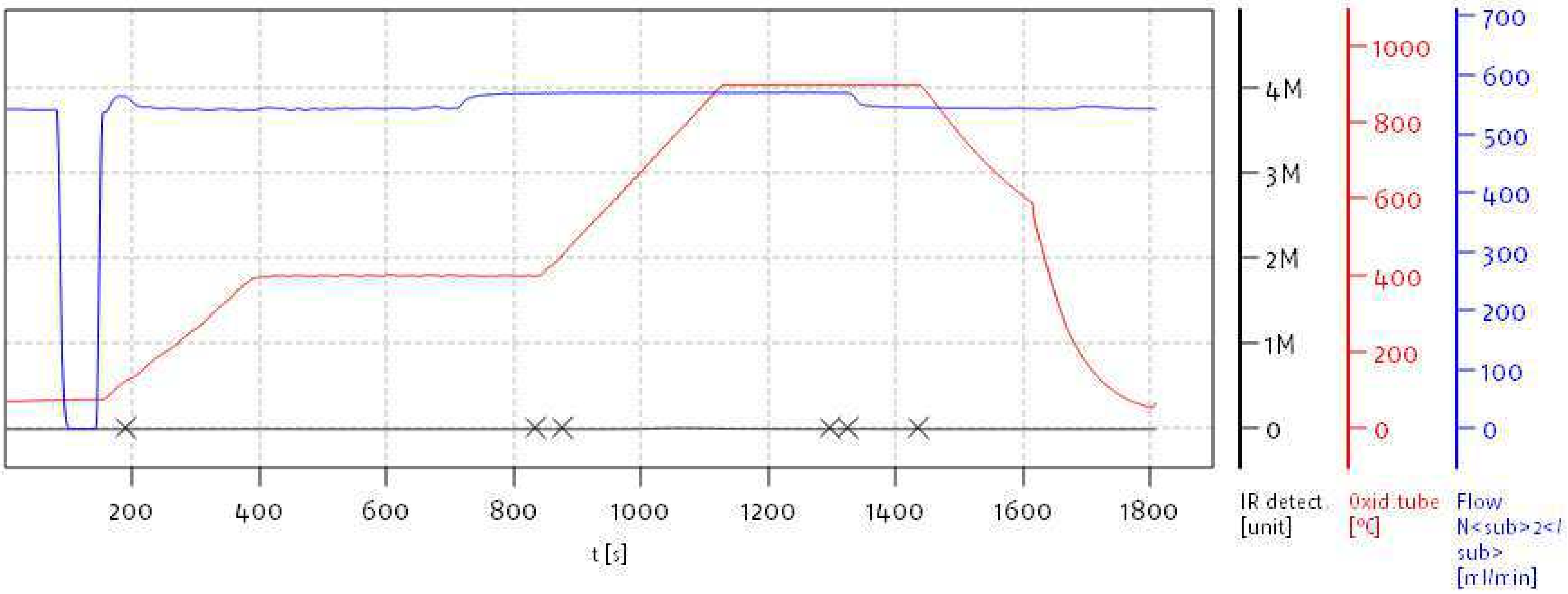
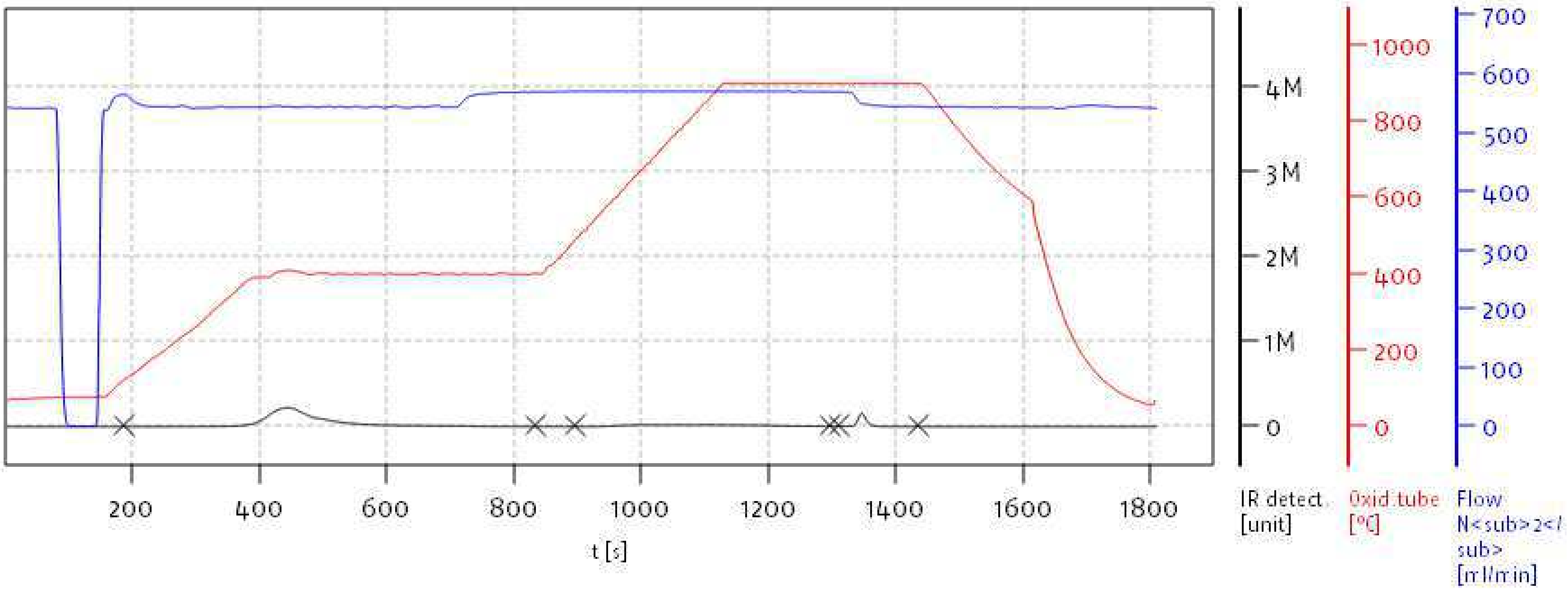
	Pos.	Name	Weight [mg]	Memo	Method	Date Time	Info	TOC [%]	TOC400 Area	TC [%]	ROC [%]	ROC Area	TIC900 Area	TOC400 [%]	TIC900 [%]	TOC400 Factor	TIC900 Factor
77	77	SKL0311-CCB6	505.50		CARBON	12/26/2022 1:53 AM	bl	0.000	12 153	0.012	0.000	5 648	65 745	0.000	0.012	0.9770	1.0000



Soli TOC Cube, Carbon
Balance: BAL3
Analyst: DOE

	Pos.	Name	Weight [mg]	Memo	Method	Date Time	Info	TOC [%]	TOC400 Area	TC [%]	ROC [%]	ROC Area	TIC900 Area	TOC400 [%]	TIC900 [%]	TOC400 Factor	TIC900 Factor
78	78	22L0307-07	588.70		CARBON	12/26/2022 2:23 AM	bl	0.228	844 396	0.273	0.018	94 463	198 126	0.210	0.045	0.9770	1.0000



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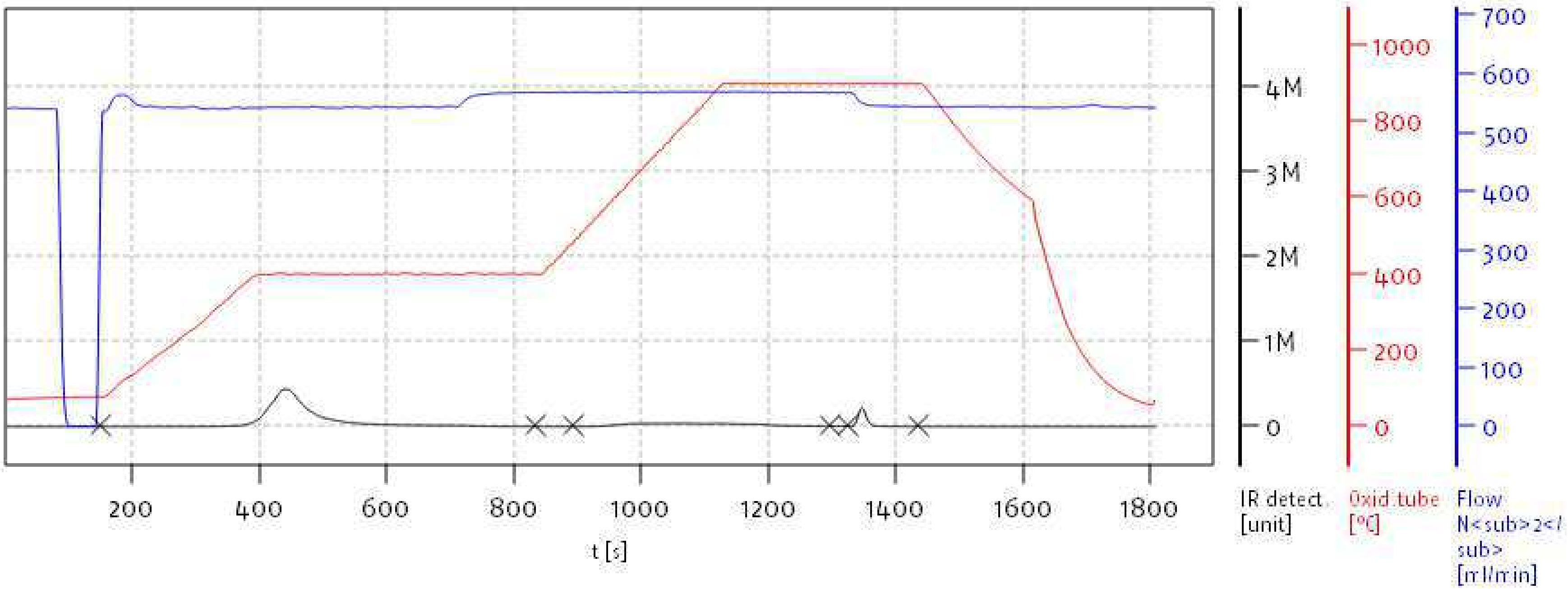
Soli TOC Cube, Carbon
Balance: BAL3
Analyst: DOE

	Pos.	Name	Weight [mg]	Memo	Method	Date Time	Info	TOC [%]	TOC400 Area	TC [%]	ROC [%]	ROC Area	TIC900 Area	TOC400 [%]	TIC900 [%]	TOC400 Factor	TIC900 Factor
79	79	22L0307-08	511.80		CARBON	12/26/2022 2:54 AM	bl	0.427	1 361 946	0.524	0.032	132 962	349 315	0.395	0.098	0.9770	1.0000



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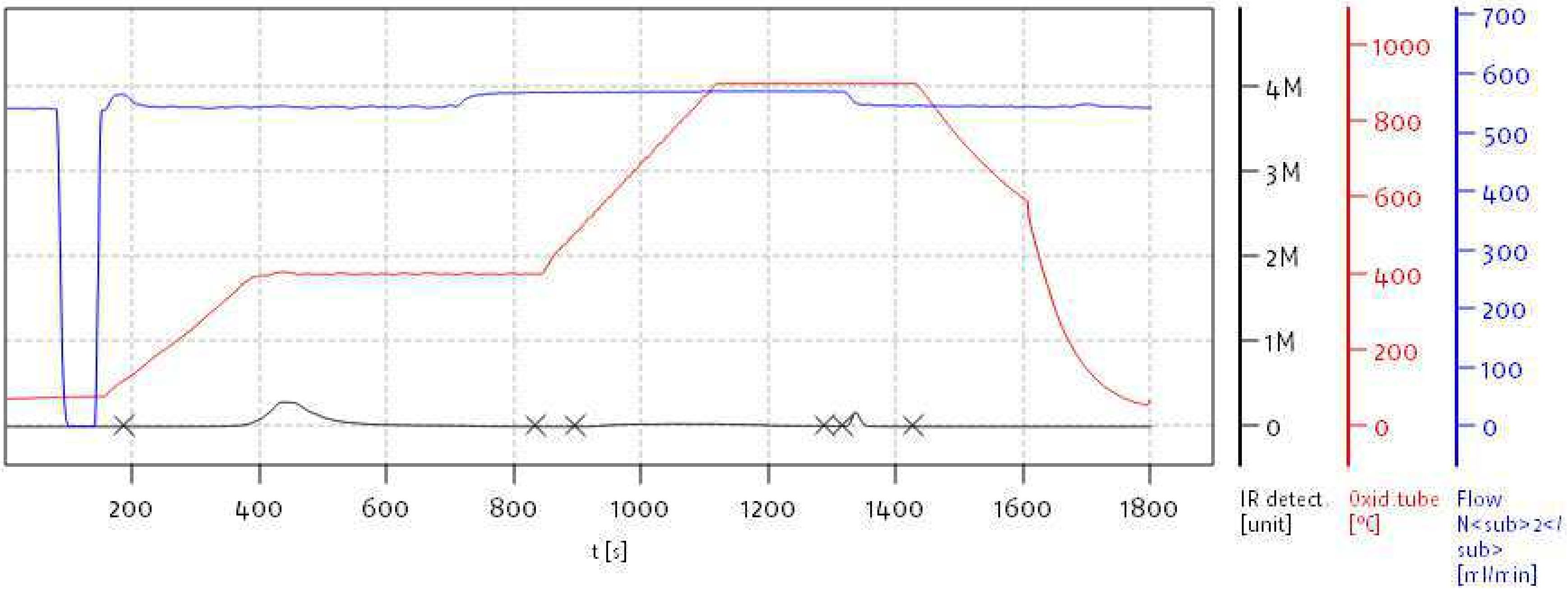
elementar
EXCELLENCE IN ELEMENTS

Soli TOC Cube, Carbon
Balance: BAL3
Analyst: DOE

	Pos.	Name	Weight [mg]	Memo	Method	Date Time	Info	TOC [%]	TOC400 Area	TC [%]	ROC [%]	ROC Area	TIC900 Area	TOC400 [%]	TIC900 [%]	TOC400 Factor	TIC900 Factor
80	80	22L0307-09	542.10		CARBON	12/26/2022 3:24 AM	bl	0.323	1 106 537	0.399	0.022	101 970	292 829	0.301	0.076	0.9770	1.0000



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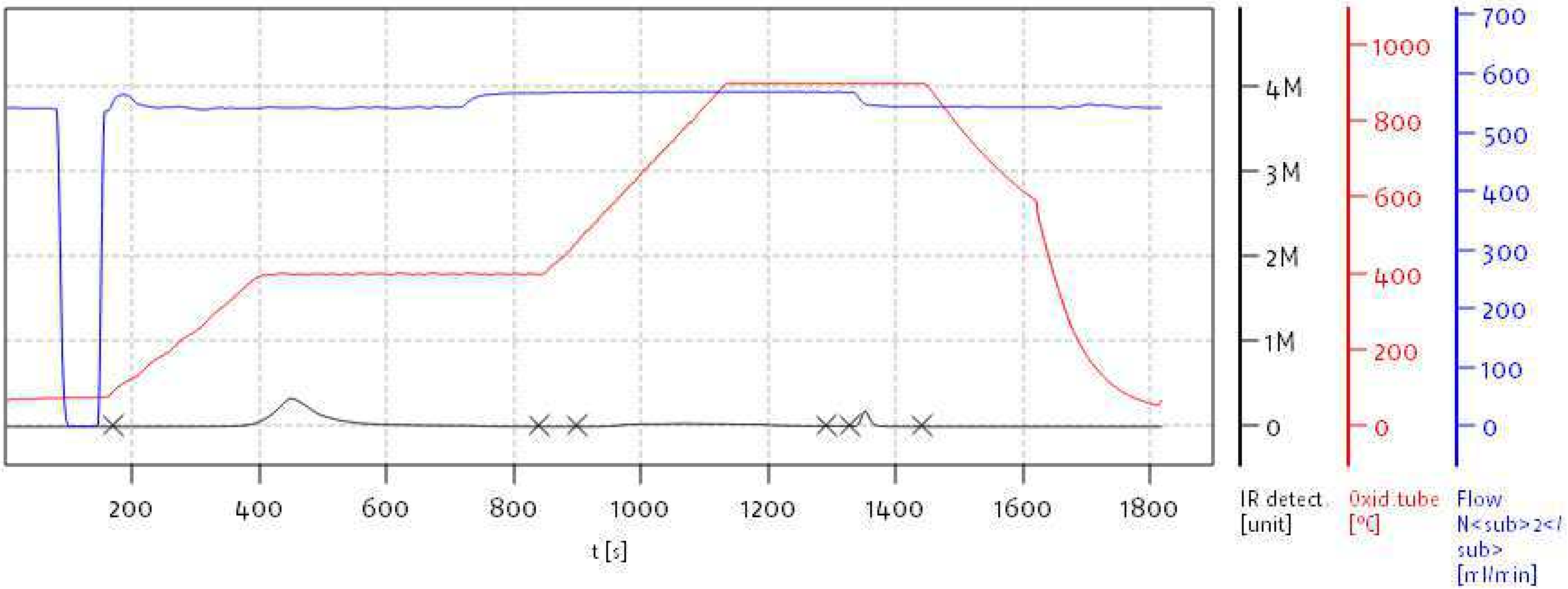
Soli TOC Cube, Carbon
Balance: BAL3
Analyst: DOE

	Pos.	Name	Weight [mg]	Memo	Method	Date Time	Info	TOC [%]	TOC400 Area	TC [%]	ROC [%]	ROC Area	TIC900 Area	TOC400 [%]	TIC900 [%]	TOC400 Factor	TIC900 Factor
81	81	22L0307-10	552.00		CARBON	12/26/2022 3:55 AM	bl	0.330	1 145 691	0.406	0.024	111 040	296 499	0.307	0.076	0.9770	1.0000



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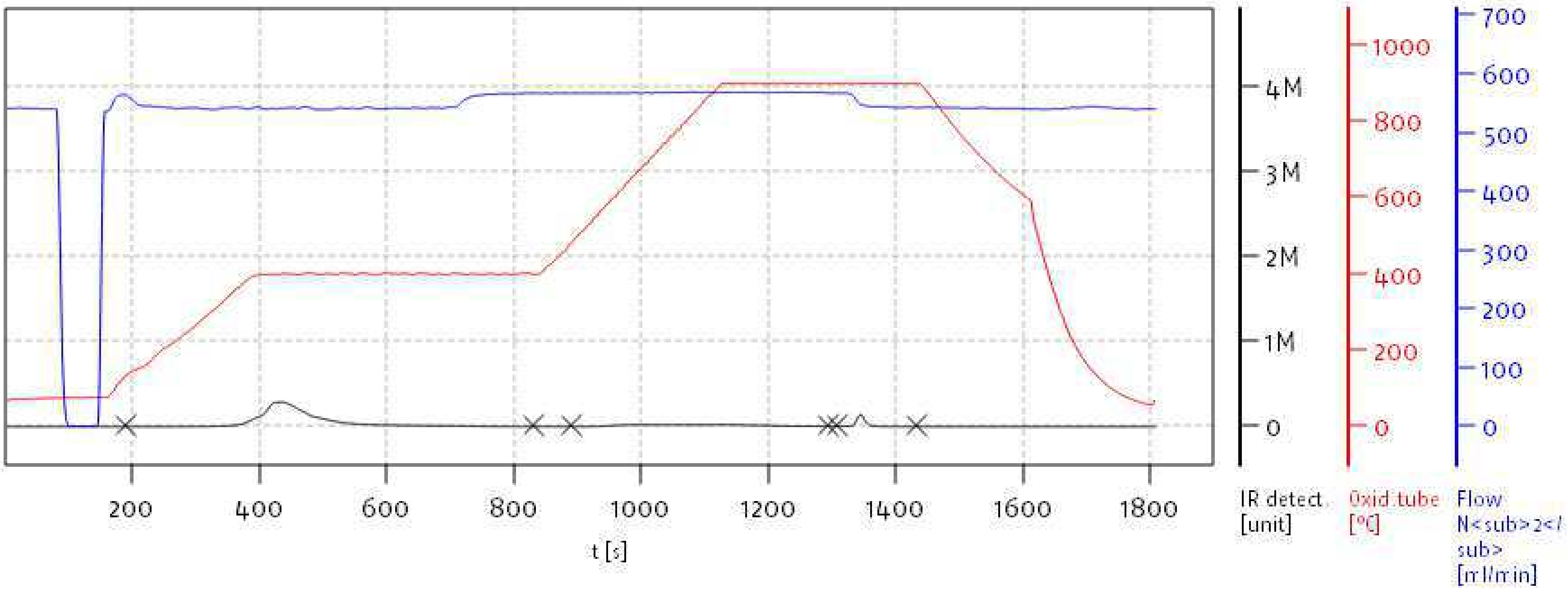
	Pos.	Name	Weight [mg]	Memo	Method	Date Time	Info	TOC [%]	TOC400 Area	TC [%]	ROC [%]	ROC Area	TIC900 Area	TOC400 [%]	TIC900 [%]	TOC400 Factor	TIC900 Factor
82	82	22L0307-11	564.50		CARBON	12/26/2022 4:25 AM	bl	0.295	1 066 474	0.347	0.016	85 891	216 004	0.279	0.052	0.9770	1.0000



Soli TOC Cube, Carbon
Balance: BAL3
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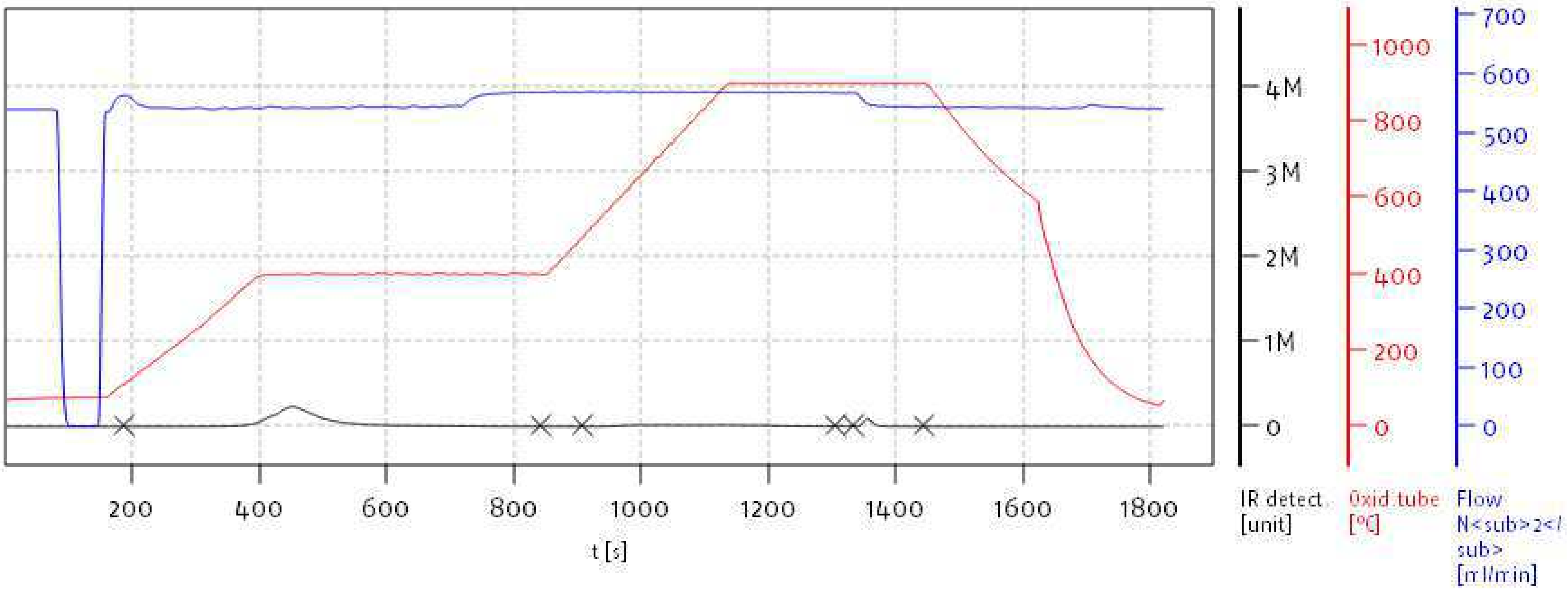
	Pos.	Name	Weight [mg]	Memo	Method	Date Time	Info	TOC [%]	TOC400 Area	TC [%]	ROC [%]	ROC Area	TIC900 Area	TOC400 [%]	TIC900 [%]	TOC400 Factor	TIC900 Factor
83	83	22L0307-12	512.80		CARBON	12/26/2022 4:56 AM	bl	0.255	855 686	0.299	0.011	61 639	172 470	0.245	0.044	0.9770	1.0000



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Balance: BAL3
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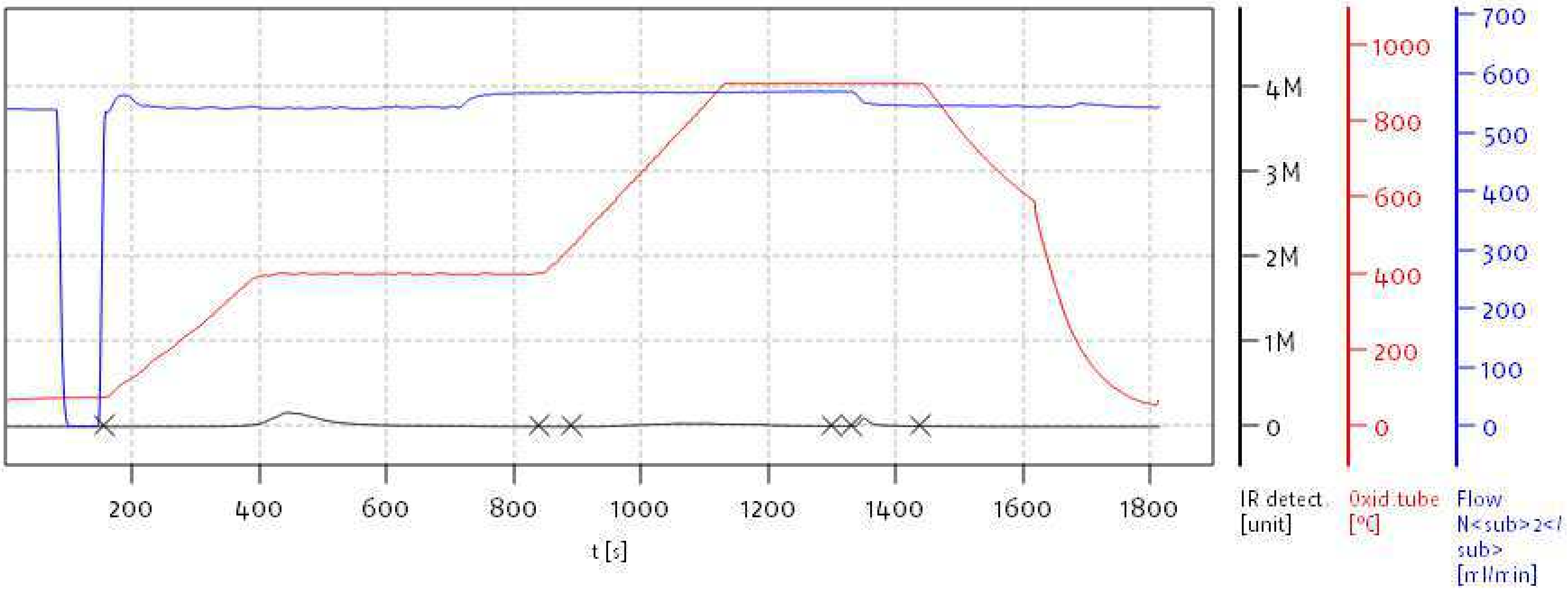
	Pos.	Name	Weight [mg]	Memo	Method	Date Time	Info	TOC [%]	TOC400 Area	TC [%]	ROC [%]	ROC Area	TIC900 Area	TOC400 [%]	TIC900 [%]	TOC400 Factor	TIC900 Factor
84	84	22L0307-13	519.40		CARBON	12/26/2022 5:27 AM	bl	0.207	666 924	0.281	0.020	93 738	277 726	0.186	0.075	0.9770	1.0000



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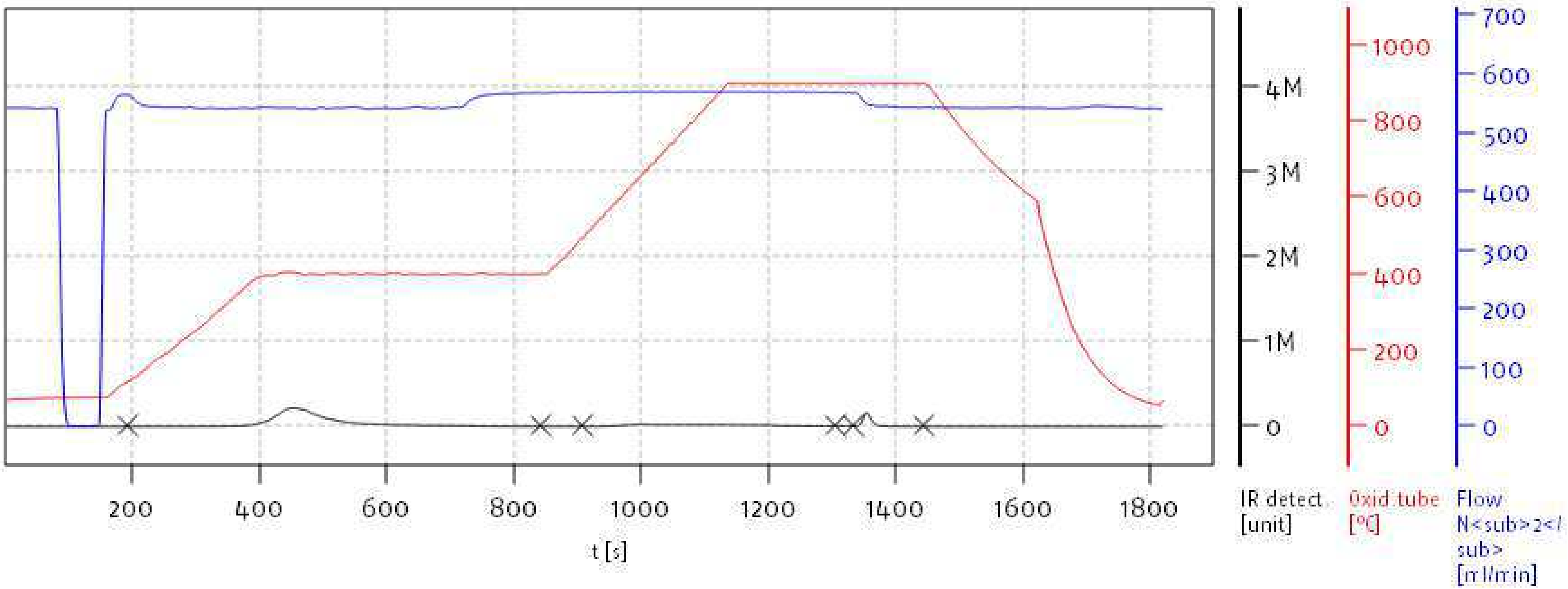
	Pos.	Name	Weight [mg]	Memo	Method	Date Time	Info	TOC [%]	TOC400 Area	TC [%]	ROC [%]	ROC Area	TIC900 Area	TOC400 [%]	TIC900 [%]	TOC400 Factor	TIC900 Factor
85	85	22L0307-14	502.00		CARBON	12/26/2022 5:58 AM	bl	0.277	869 294	0.336	0.023	101 206	218 870	0.254	0.059	0.9770	1.0000



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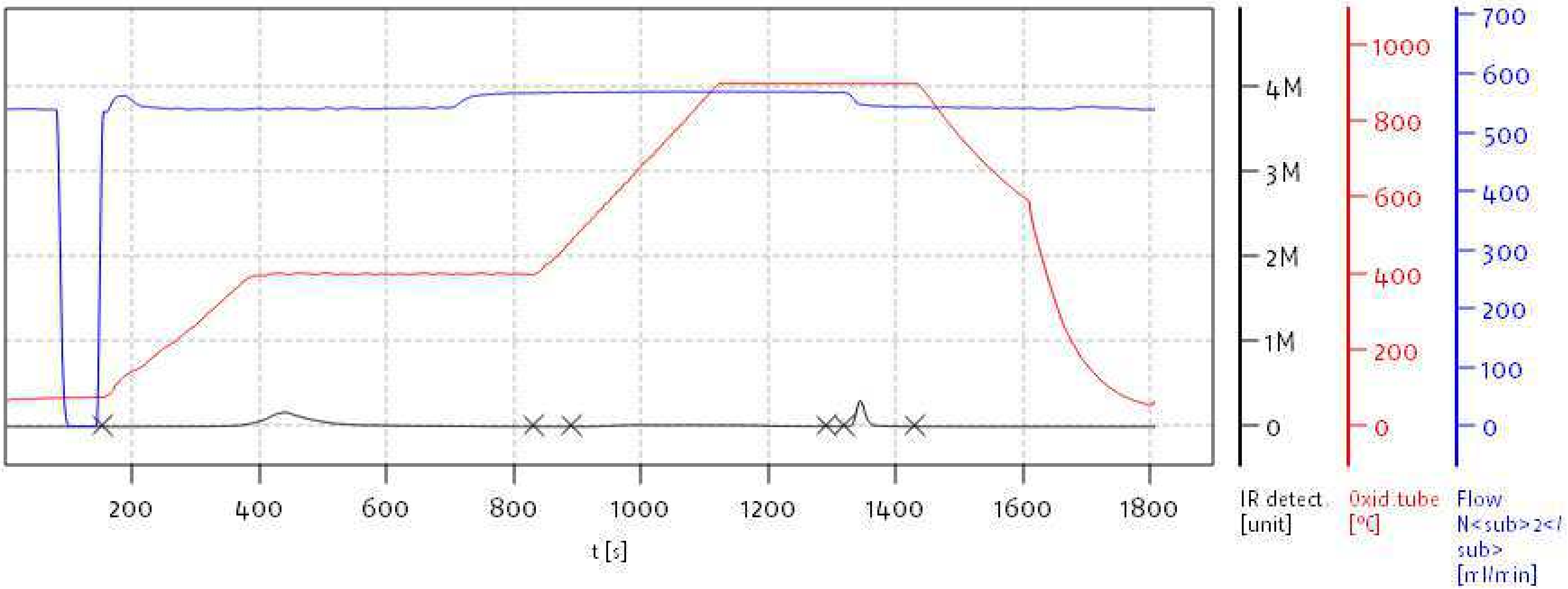
	Pos.	Name	Weight [mg]	Memo	Method	Date Time	Info	TOC [%]	TOC400 Area	TC [%]	ROC [%]	ROC Area	TIC900 Area	TOC400 [%]	TIC900 [%]	TOC400 Factor	TIC900 Factor
86	86	22L0307-15	513.90		CARBON	12/26/2022 6:28 AM	bl	0.231	636 218	0.276	0.052	198 411	174 778	0.179	0.045	0.9770	1.0000



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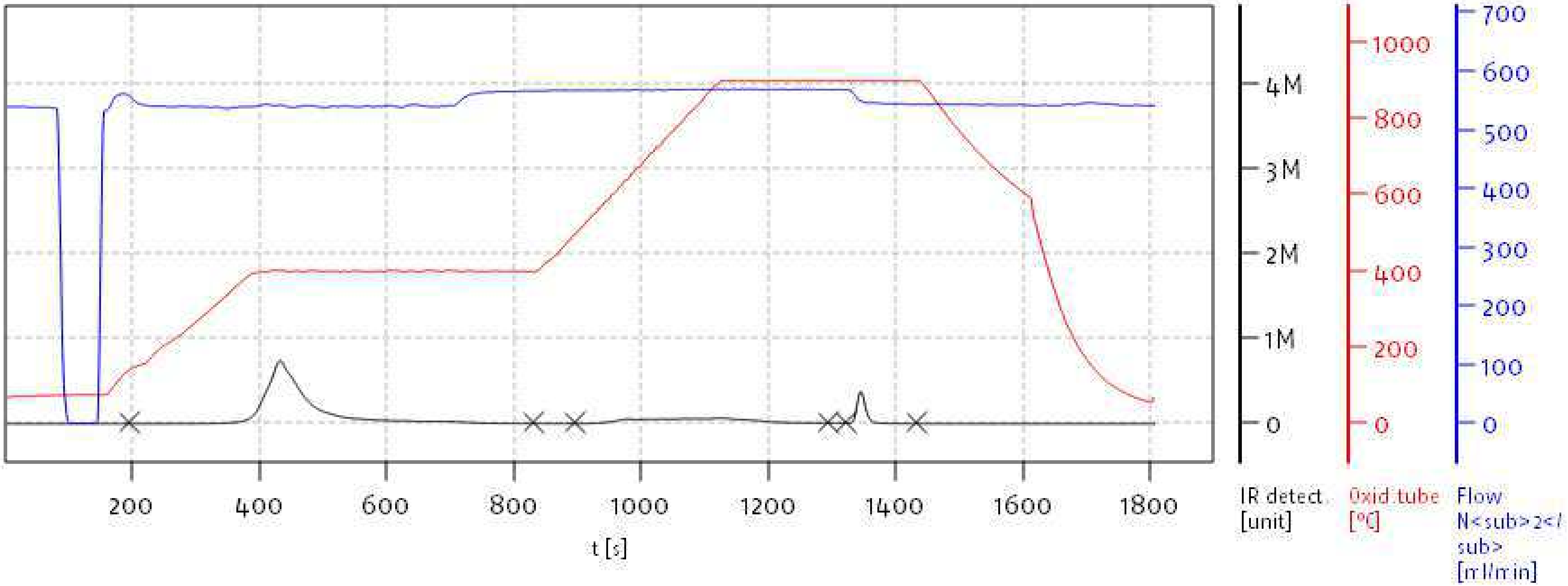
	Pos.	Name	Weight [mg]	Memo	Method	Date Time	Info	TOC [%]	TOC400 Area	TC [%]	ROC [%]	ROC Area	TIC900 Area	TOC400 [%]	TIC900 [%]	TOC400 Factor	TIC900 Factor
87	87	22L0307-16	514.00		CARBON	12/26/2022 6:59 AM	bl	0.677	2 117 513	0.829	0.061	229 952	533 207	0.615	0.153	0.9770	1.0000



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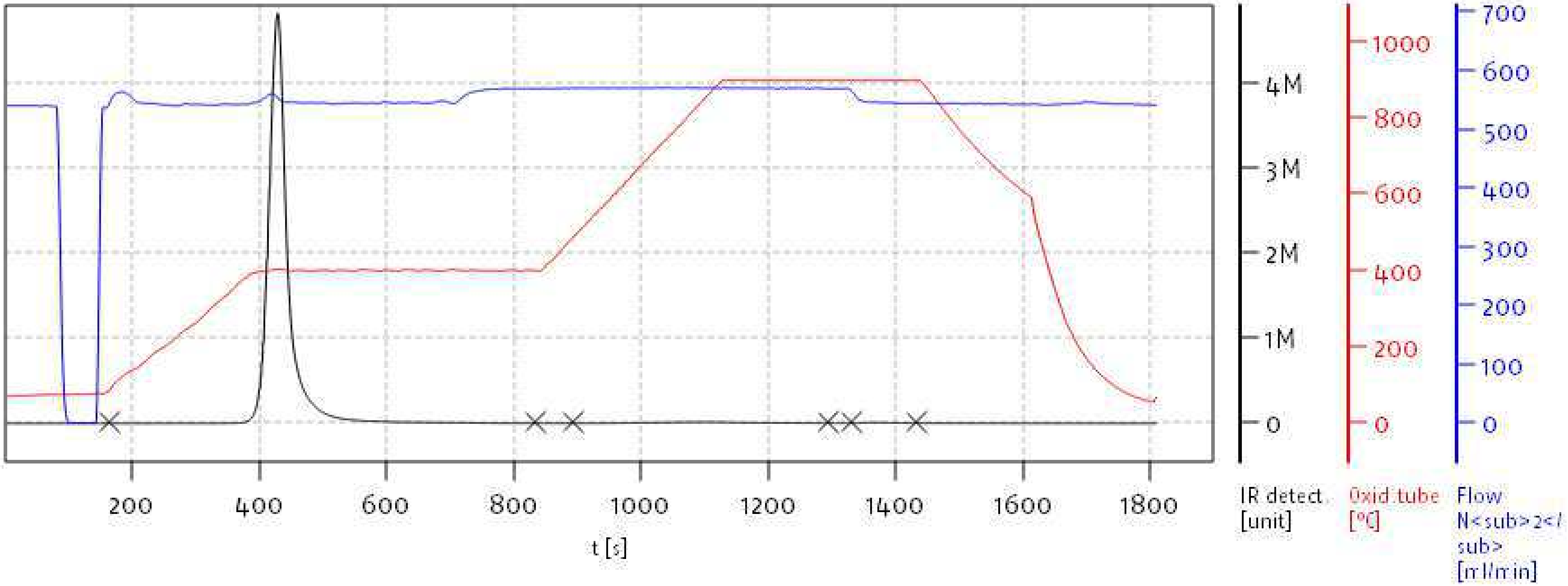
Soli TOC Cube, Carbon
Balance: BAL3
Analyst: DOE

	Pos.	Name	Weight [mg]	Memo	Method	Date Time	Info	TOC [%]	TOC400 Area	TC [%]	ROC [%]	ROC Area	TIC900 Area	TOC400 [%]	TIC900 [%]	TOC400 Factor	TIC900 Factor
88	88	SKL0311-CCV7	21.20		CARBON	12/26/2022 7:29 AM	bl	44.553	6 271 712	45.201	0.000	25 044	115 235	44.553	0.648	0.9770	1.0000



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Balance: BAL3
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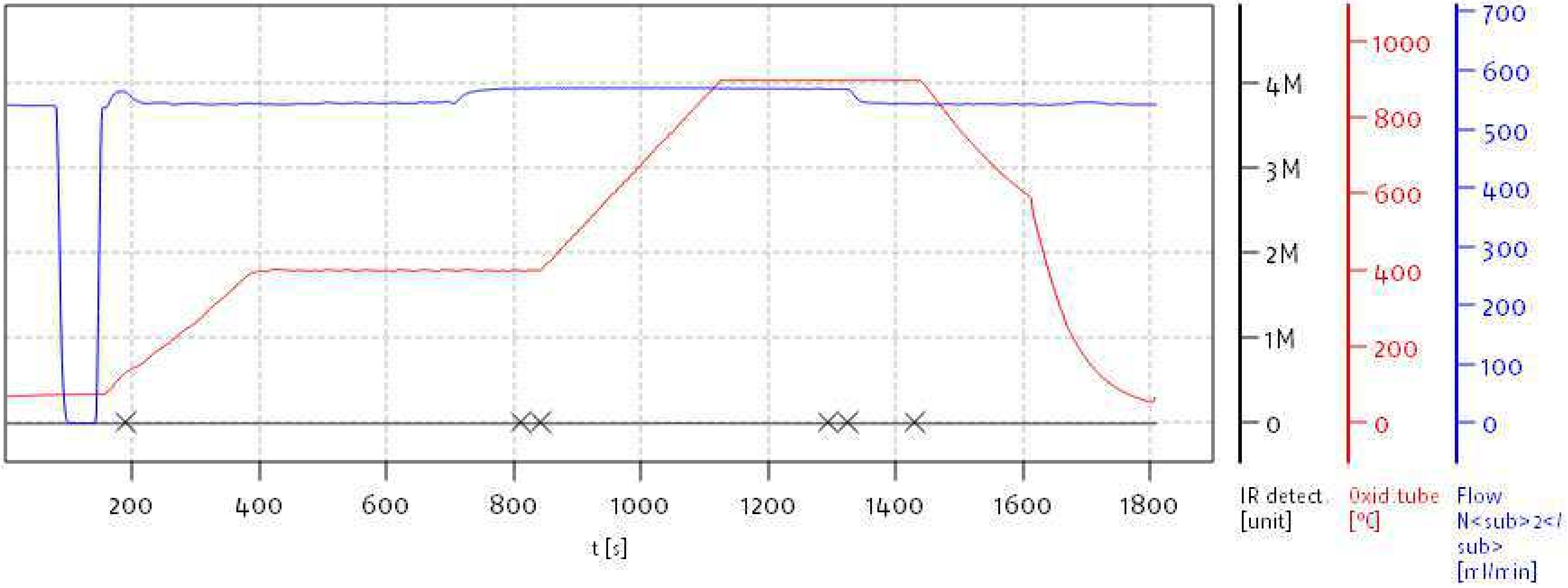
	Pos.	Name	Weight [mg]	Memo	Method	Date Time	Info	TOC [%]	TOC400 Area	TC [%]	ROC [%]	ROC Area	TIC900 Area	TOC400 [%]	TIC900 [%]	TOC400 Factor	TIC900 Factor
89	89	SKL0311-CCB7	519.10		CARBON	12/26/2022 8:00 AM	bl,C2u	0.000	10 201	0.000	0.000	1 424	14 625	0.000	0.000	0.9770	1.0000



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ANALYSIS BATCH (SEQUENCE) SUMMARY

EPA 9060A m

Laboratory:	Analytical Resources, LLC	SDG:	22L0307
Client:	Anchor QEA, LLC	Project:	AOC4 UR Phase 3
Sequence:	SKL0336	Instrument:	TOC Cube
		Calibration:	FD00070

Sample Name	Lab Sample ID	Lab File ID	Matrix	Analysis Date/Time
Calibration Check	SKL0336-CCVE	CubeData_01032023@1005-583	NA	01/01/23 05:30
Calibration Blank	SKL0336-CCBE	CubeData_01032023@1005-589	NA	01/01/23 06:00
Calibration Check	SKL0336-CCVF	CubeData_01032023@1005-061	NA	01/01/23 11:35
Calibration Blank	SKL0336-CCBF	CubeData_01032023@1005-071	NA	01/01/23 12:05
Calibration Check	SKL0336-CCVG	CubeData_01032023@1005-136	NA	01/01/23 15:07
Calibration Blank	SKL0336-CCBG	CubeData_01032023@1005-147	NA	01/01/23 15:38
Initial Cal Check	SKL0336-ICV1	CubeData_01032023@1005-040	NA	12/28/22 15:57
Initial Cal Blank	SKL0336-ICB1	CubeData_01032023@1005-047	NA	12/28/22 16:28
LDW22-SC752B-FD	22L0307-51	CubeData_01032023@1005-059	Solid	12/28/22 16:58
LDW22-SC800A	22L0307-52	CubeData_01032023@1005-072	Solid	12/28/22 17:28
LDW22-SC800B	22L0307-53	CubeData_01032023@1005-080	Solid	12/28/22 17:59
LDW22-SC800C	22L0307-54	CubeData_01032023@1005-087	Solid	12/28/22 18:29
LDW22-SC800D	22L0307-55	CubeData_01032023@1005-101	Solid	12/28/22 19:00
LDW22-SC800E	22L0307-56	CubeData_01032023@1005-110	Solid	12/28/22 19:30
LDW22-SC800F	22L0307-57	CubeData_01032023@1005-123	Solid	12/28/22 20:01
LDW22-SC800G	22L0307-58	CubeData_01032023@1005-134	Solid	12/28/22 20:31
LDW22-SC800H	22L0307-59	CubeData_01032023@1005-146	Solid	12/28/22 21:01
LDW22-SC783B	22L0307-60	CubeData_01032023@1005-154	Solid	12/28/22 21:32
Calibration Check	SKL0336-CCV1	CubeData_01032023@1005-160	NA	12/28/22 22:02
Calibration Blank	SKL0336-CCB1	CubeData_01032023@1005-166	NA	12/28/22 22:33
LDW22-SC783C	22L0307-61	CubeData_01032023@1005-172	Solid	12/28/22 23:03
MRL Check	BKL0587-MRL1	CubeData_01032023@1005-178	Solid	12/28/22 23:34
Blank	BKL0587-BLK1	CubeData_01032023@1005-187	Solid	12/29/22 00:04
LCS	BKL0587-BS1	CubeData_01032023@1005-192	Solid	12/29/22 00:35
Reference	BKL0587-SRM1	CubeData_01032023@1005-199	Solid	12/29/22 01:06
LDW22-SC783D	22L0307-62	CubeData_01032023@1005-204	Solid	12/29/22 01:36
LDW22-SC783D	BKL0587-DUP1	CubeData_01032023@1005-211	Solid	12/29/22 02:07
LDW22-SC783D	BKL0587-MS1	CubeData_01032023@1005-217	Solid	12/29/22 02:37
LDW22-SC783E	22L0307-63	CubeData_01032023@1005-224	Solid	12/29/22 03:08

ANALYSIS BATCH (SEQUENCE) SUMMARY

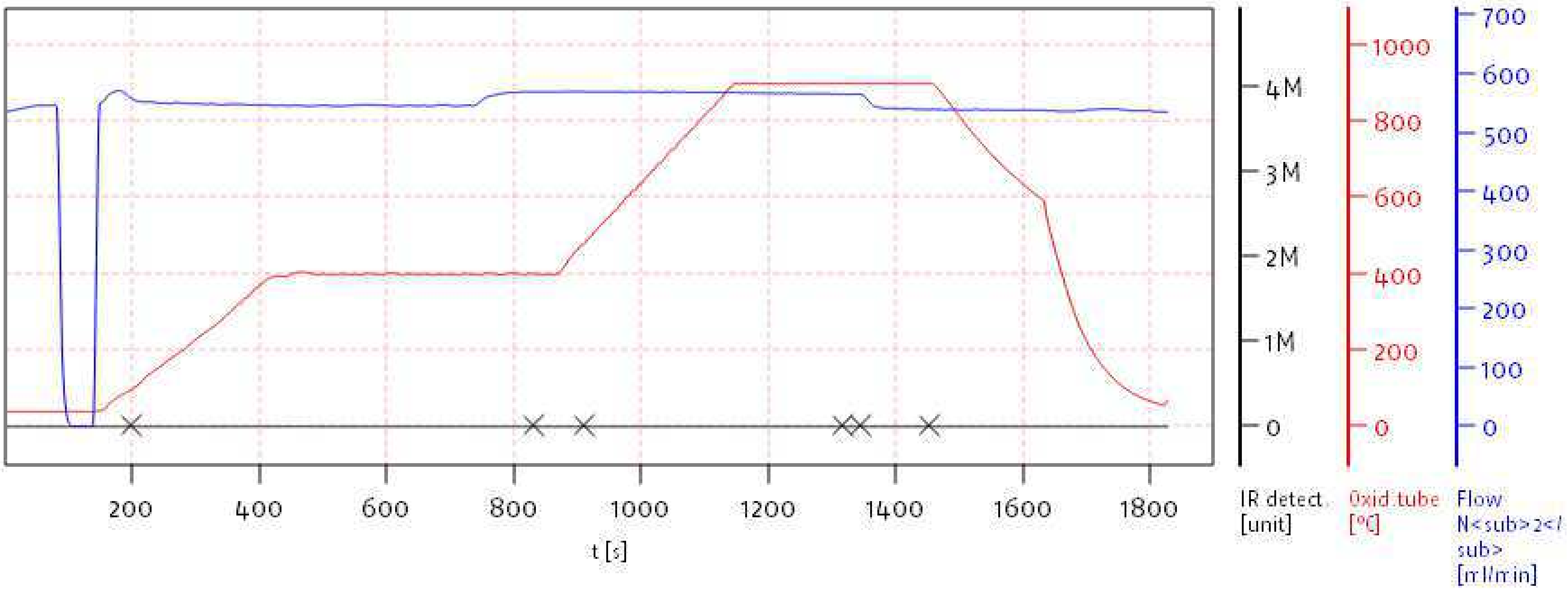
EPA 9060A m

Laboratory:	Analytical Resources, LLC	SDG:	22L0307
Client:	Anchor QEA, LLC	Project:	AOC4 UR Phase 3
Sequence:	SKL0336	Instrument:	TOC Cube
		Calibration:	FD00070

Sample Name	Lab Sample ID	Lab File ID	Matrix	Analysis Date/Time
LDW22-SC783F	22L0307-64	CubeData_01032023@1005-230	Solid	12/29/22 03:38
Calibration Check	SKL0336-CCV2	CubeData_01032023@1005-237	NA	12/29/22 04:09
Calibration Blank	SKL0336-CCB2	CubeData_01032023@1005-244	NA	12/29/22 04:39
LDW22-SC783G	22L0307-65	CubeData_01032023@1005-252	Solid	12/29/22 05:10
LDW22-SC783H	22L0307-66	CubeData_01032023@1005-258	Solid	12/29/22 05:40
Calibration Check	SKL0336-CCV3	CubeData_01032023@1005-314	NA	12/29/22 10:16
Calibration Blank	SKL0336-CCB3	CubeData_01032023@1005-321	NA	12/29/22 10:47
Calibration Check	SKL0336-CCV4	CubeData_01032023@1005-386	NA	12/29/22 16:24
Calibration Blank	SKL0336-CCB4	CubeData_01032023@1005-392	NA	12/29/22 16:54
Calibration Check	SKL0336-CCV5	CubeData_01032023@1005-458	NA	12/29/22 22:30
Calibration Blank	SKL0336-CCB5	CubeData_01032023@1005-466	NA	12/29/22 23:01
Calibration Check	SKL0336-CCV6	CubeData_01032023@1005-536	NA	12/30/22 04:38
Calibration Blank	SKL0336-CCB6	CubeData_01032023@1005-542	NA	12/30/22 05:09
Calibration Check	SKL0336-CCV7	CubeData_01032023@1005-615	NA	12/30/22 10:45
Calibration Blank	SKL0336-CCB7	CubeData_01032023@1005-619	NA	12/30/22 11:16
Calibration Check	SKL0336-CCV8	CubeData_01032023@1005-111	NA	12/30/22 16:52
Calibration Blank	SKL0336-CCB8	CubeData_01032023@1005-124	NA	12/30/22 17:23
Calibration Check	SKL0336-CCV9	CubeData_01032023@1005-205	NA	12/30/22 22:58
Calibration Blank	SKL0336-CCB9	CubeData_01032023@1005-210	NA	12/30/22 23:29
Calibration Check	SKL0336-CCVA	CubeData_01032023@1005-283	NA	12/31/22 05:04
Calibration Blank	SKL0336-CCBA	CubeData_01032023@1005-288	NA	12/31/22 05:35
Calibration Check	SKL0336-CCVB	CubeData_01032023@1005-358	NA	12/31/22 11:11
Calibration Blank	SKL0336-CCBB	CubeData_01032023@1005-364	NA	12/31/22 11:41
Calibration Check	SKL0336-CCVC	CubeData_01032023@1005-425	NA	12/31/22 17:17
Calibration Blank	SKL0336-CCBC	CubeData_01032023@1005-431	NA	12/31/22 17:48
Calibration Check	SKL0336-CCVD	CubeData_01032023@1005-504	NA	12/31/22 23:23
Calibration Blank	SKL0336-CCBD	CubeData_01032023@1005-511	NA	12/31/22 23:53

Soli TOC Cube, Carbon
Balance: BAL3
Analyst: DOE

	Pos.	Name	Weight [mg]	Memo	Method	Date Time	Info	TOC [%]	TOC400 Area	TC [%]	ROC [%]	ROC Area	TIC900 Area	TOC400 [%]	TIC900 [%]	TOC400 Factor	TIC900 Factor
1	1	BLANK	1.00		CARBON	12/28/2022 2:26 PM	bl	0.000	8 478	0.000	0.000	1 876	3 414	0.000	0.000	1.0000	1.0000



Name:

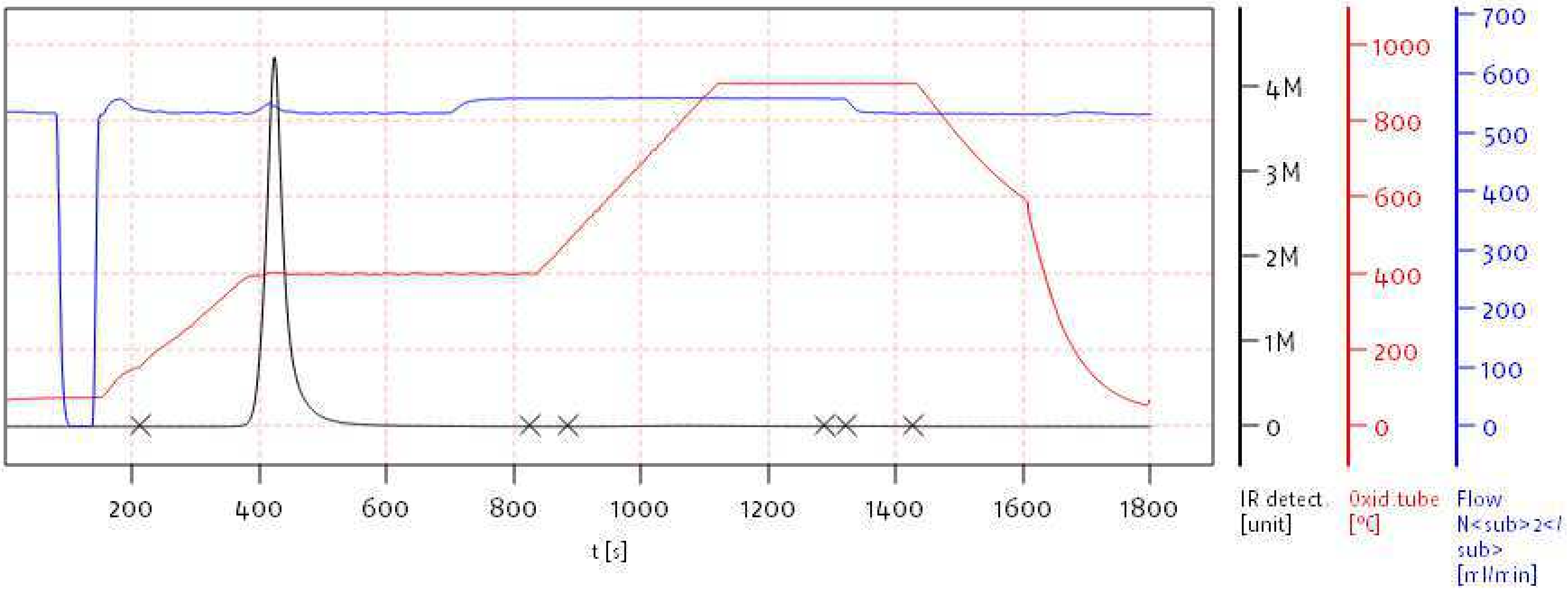
Access: soliTOC superuser

Date: Tue Jan 3 07:07:46 2023

soliTOC V2.0.2 (31015f9) 2018-11-19
Serial No: 0300.181017
Mode CCC

Soli TOC Cube, Carbon
Balance: BAL3
Analyst: DOE

	Pos.	Name	Weight [mg]	Memo	Method	Date Time	Info	TOC [%]	TOC400 Area	TC [%]	ROC [%]	ROC Area	TIC900 Area	TOC400 [%]	TIC900 [%]	TOC400 Factor	TIC900 Factor
2	2	Dfactor	19.10		CARBON	12/28/2022 2:56 PM	bl	44.446	5 792 157	44.924	0.000	17 756	85 597	44.446	0.479	0.9511	1.0000



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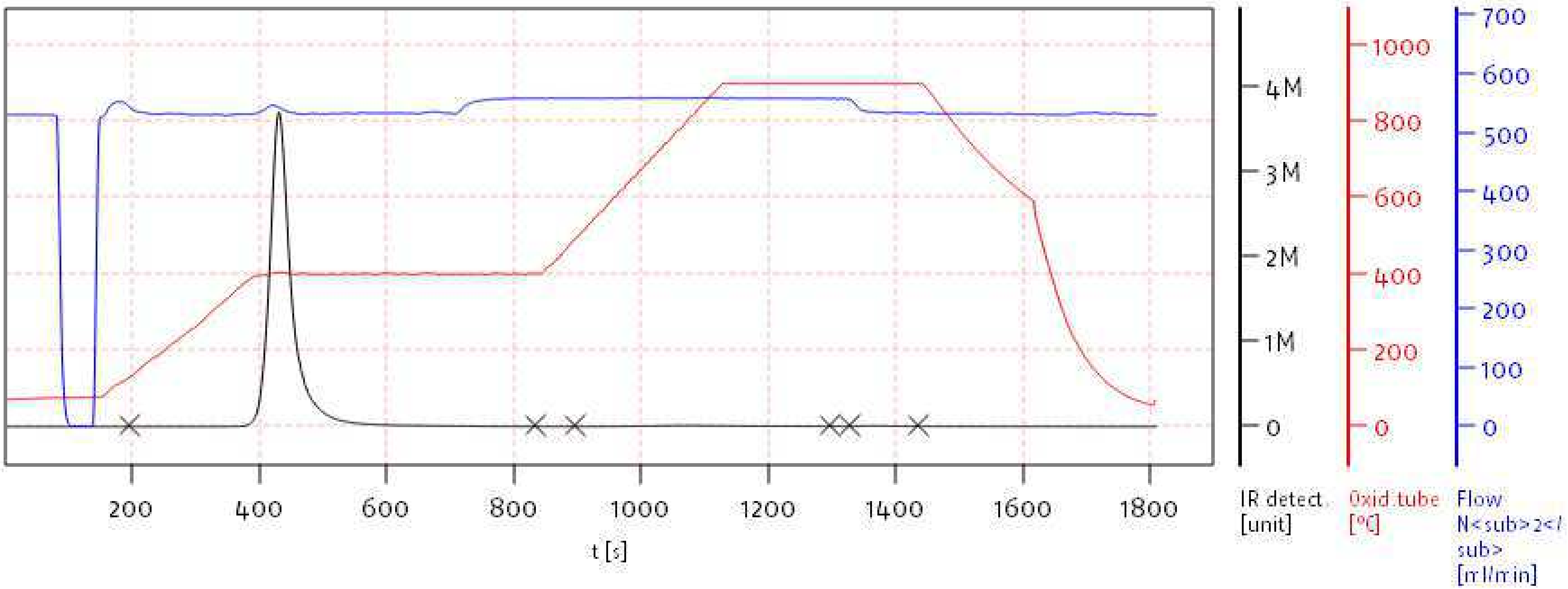
Serial No: 0300.181017
Mode CCC

Soli TOC Cube, Carbon
Balance: BAL3
Analyst: DOE

	Pos.	Name	Weight [mg]	Memo	Method	Date Time	Info	TOC [%]	TOC400 Area	TC [%]	ROC [%]	ROC Area	TIC900 Area	TOC400 [%]	TIC900 [%]	TOC400 Factor	TIC900 Factor
3	3	Dfactor	19.00		CARBON	12/28/2022 3:27 PM	bl	44.446	5 663 509	45.027	0.000	24 903	97 934	44.446	0.582	0.9677	1.0000



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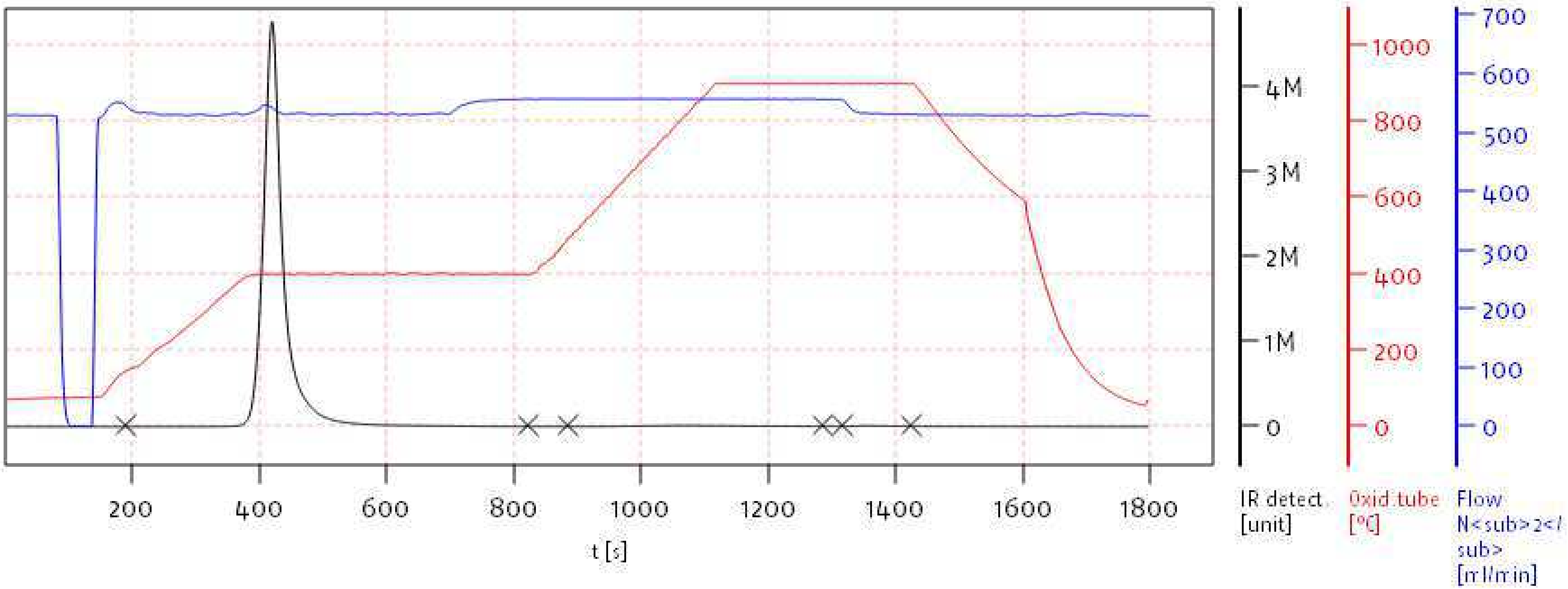
Serial No: 0300.181017
Mode CCC

Soli TOC Cube, Carbon
Balance: BAL3
Analyst: DOE

	Pos.	Name	Weight [mg]	Memo	Method	Date Time	Info	TOC [%]	TOC400 Area	TC [%]	ROC [%]	ROC Area	TIC900 Area	TOC400 [%]	TIC900 [%]	TOC400 Factor	TIC900 Factor
4	4	SKL0 336-ICV1	21.60		CARBON	12/28/2022 3:57 PM	bl	44.523	6 501 448	45.056	0.001	26 669	100 954	44.522	0.533	0.9594	1.0000



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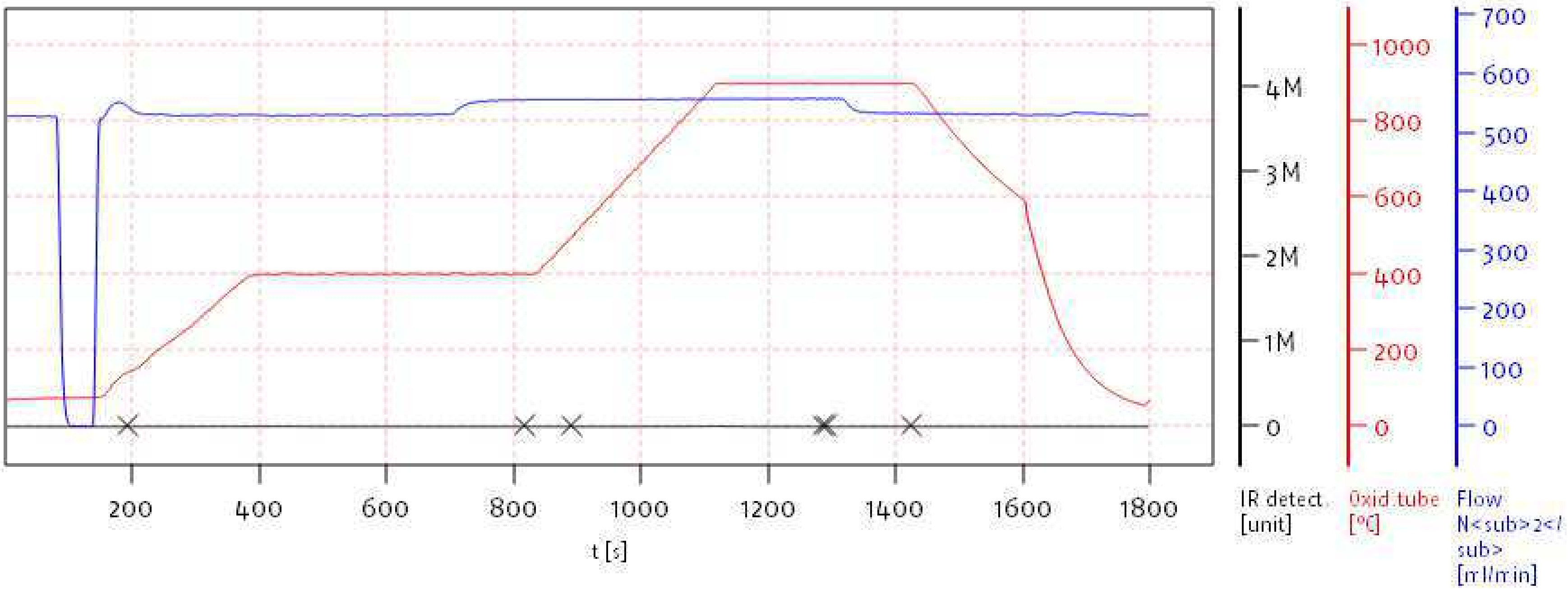
Serial No: 0300.181017
Mode CCC

Soli TOC Cube, Carbon
Balance: BAL3
Analyst: DOE

	Pos.	Name	Weight [mg]	Memo	Method	Date Time	Info	TOC [%]	TOC400 Area	TC [%]	ROC [%]	ROC Area	TIC900 Area	TOC400 [%]	TIC900 [%]	TOC400 Factor	TIC900 Factor
5	5	SKL0336-ICB1	538.20		CARBON	12/28/2022 4:28 PM	bl,C2u	0.000	16 336	0.000	0.000	992	16 586	0.000	0.000	0.9594	1.0000



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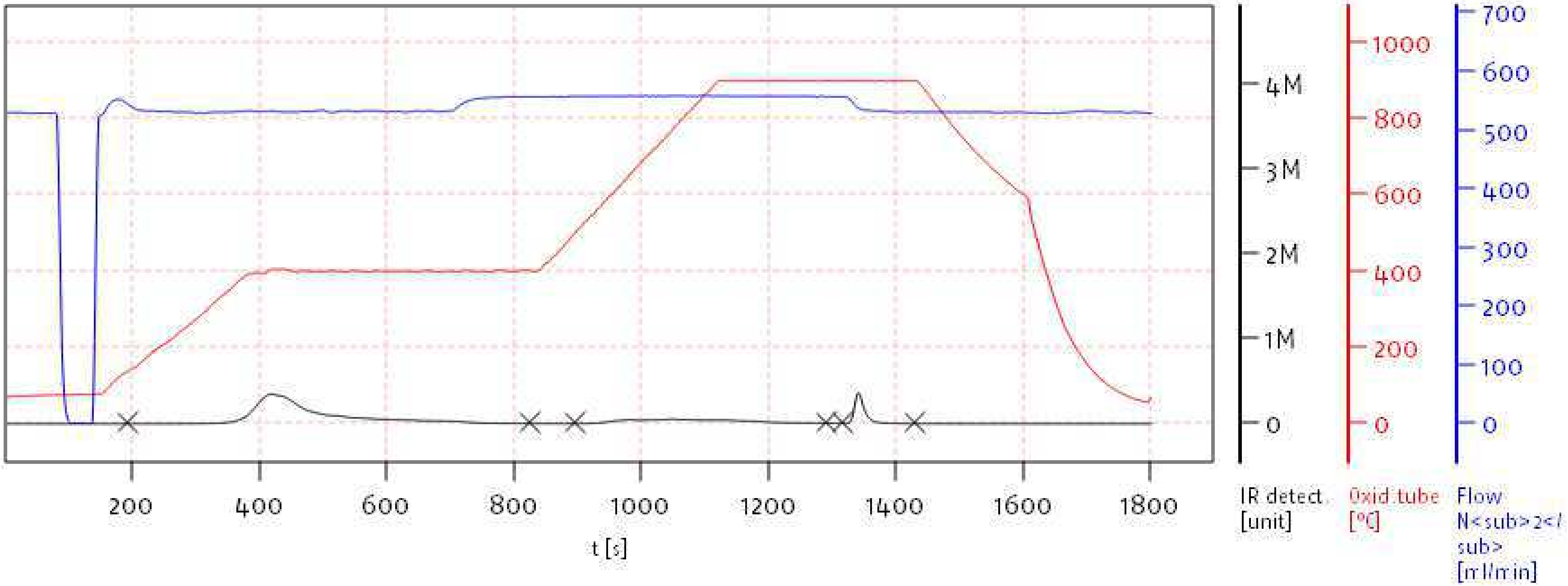
Serial No: 0300.181017
Mode CCC

Soli TOC Cube, Carbon
Balance: BAL3
Analyst: DOE

	Pos.	Name	Weight [mg]	Memo	Method	Date Time	Info	TOC [%]	TOC400 Area	TC [%]	ROC [%]	ROC Area	TIC900 Area	TOC400 [%]	TIC900 [%]	TOC400 Factor	TIC900 Factor
6	6	22L0307-51	513.50		CARBON	12/28/2022 4:58 PM	bl	0.517	1 576 030	0.639	0.068	253 460	433 029	0.448	0.123	0.9594	1.0000



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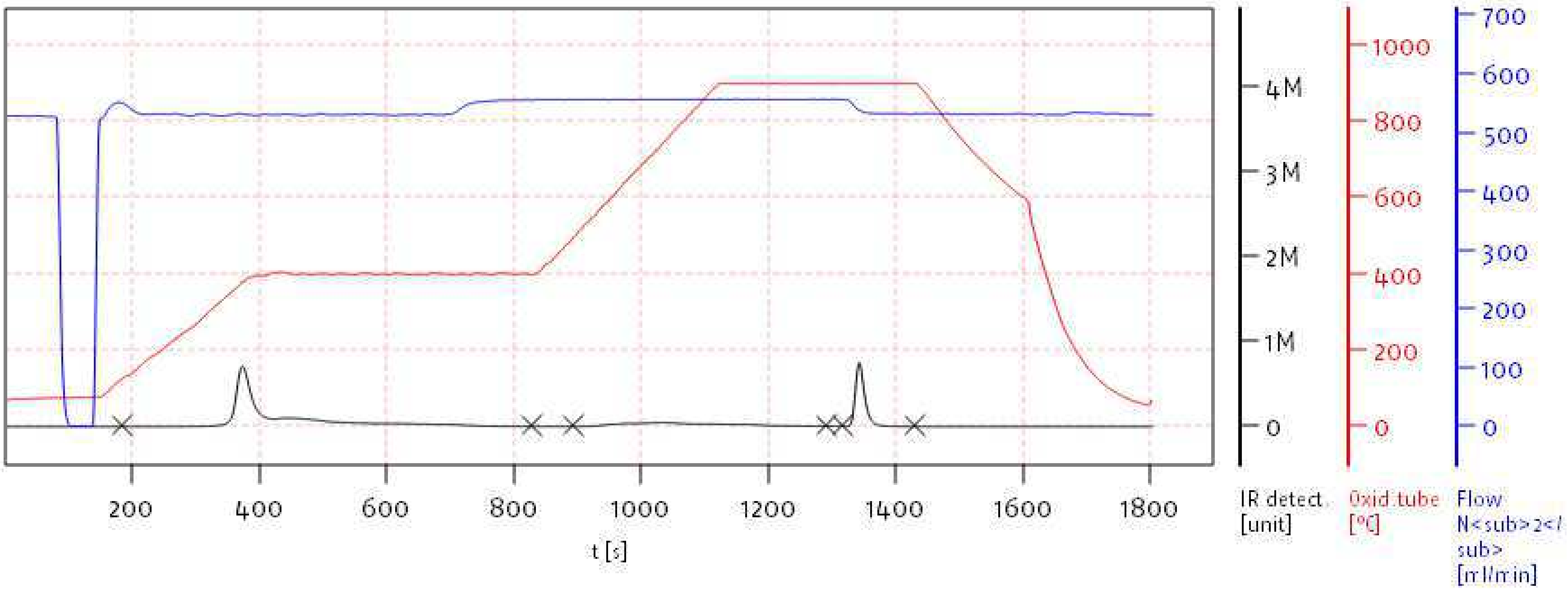
Soli TOC Cube, Carbon
Balance: BAL3
Analyst: DOE

	Pos.	Name	Weight [mg]	Memo	Method	Date Time	Info	TOC [%]	TOC400 Area	TC [%]	ROC [%]	ROC Area	TIC900 Area	TOC400 [%]	TIC900 [%]	TOC400 Factor	TIC900 Factor
7	7	22L0307-52	206.60		CARBON	12/28/2022 5:28 PM	bl	1.340	1 411 575	1.583	0.344	485 920	350 334	0.996	0.243	0.9594	1.0000



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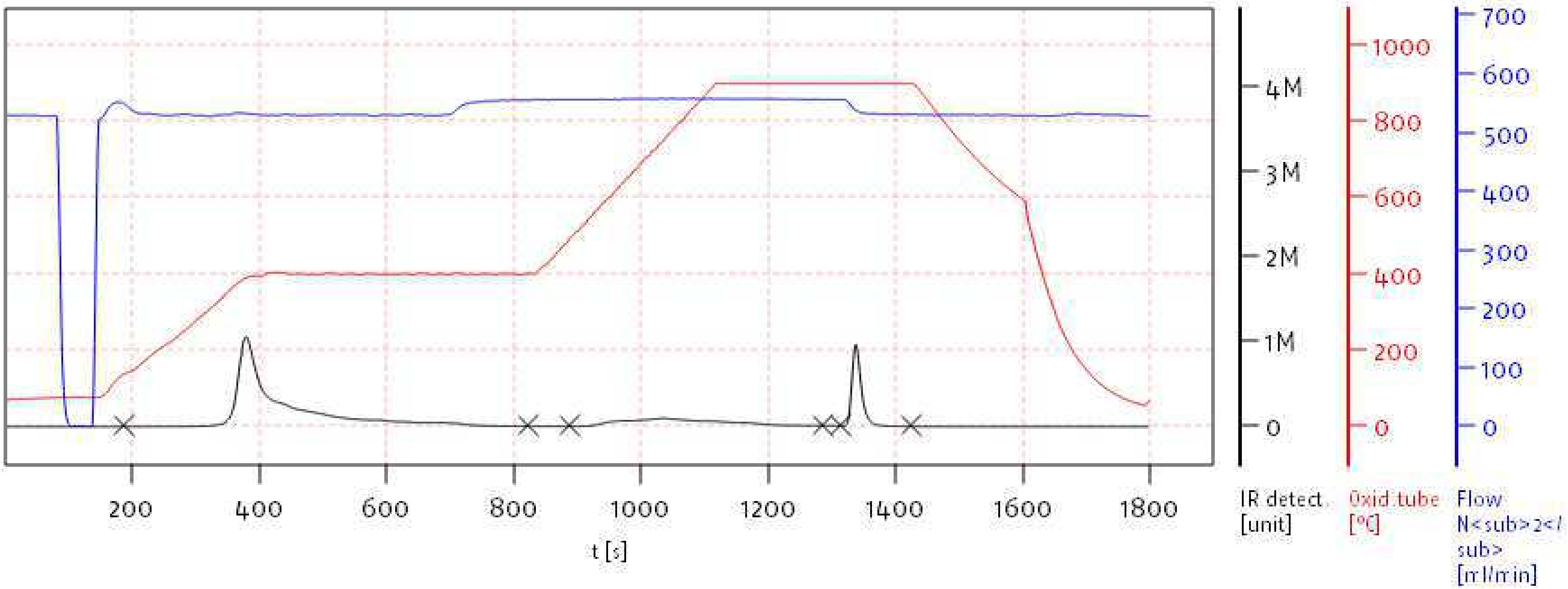
Soli TOC Cube, Carbon
Balance: BAL3
Analyst: DOE

	Pos.	Name	Weight [mg]	Memo	Method	Date Time	Info	TOC [%]	TOC400 Area	TC [%]	ROC [%]	ROC Area	TIC900 Area	TOC400 [%]	TIC900 [%]	TOC400 Factor	TIC900 Factor
8	8	22L0307-53	510.80		CARBON	12/28/2022 5:59 PM	bl	0.990	2 796 609	1.195	0.184	634 878	703 238	0.805	0.205	0.9594	1.0000



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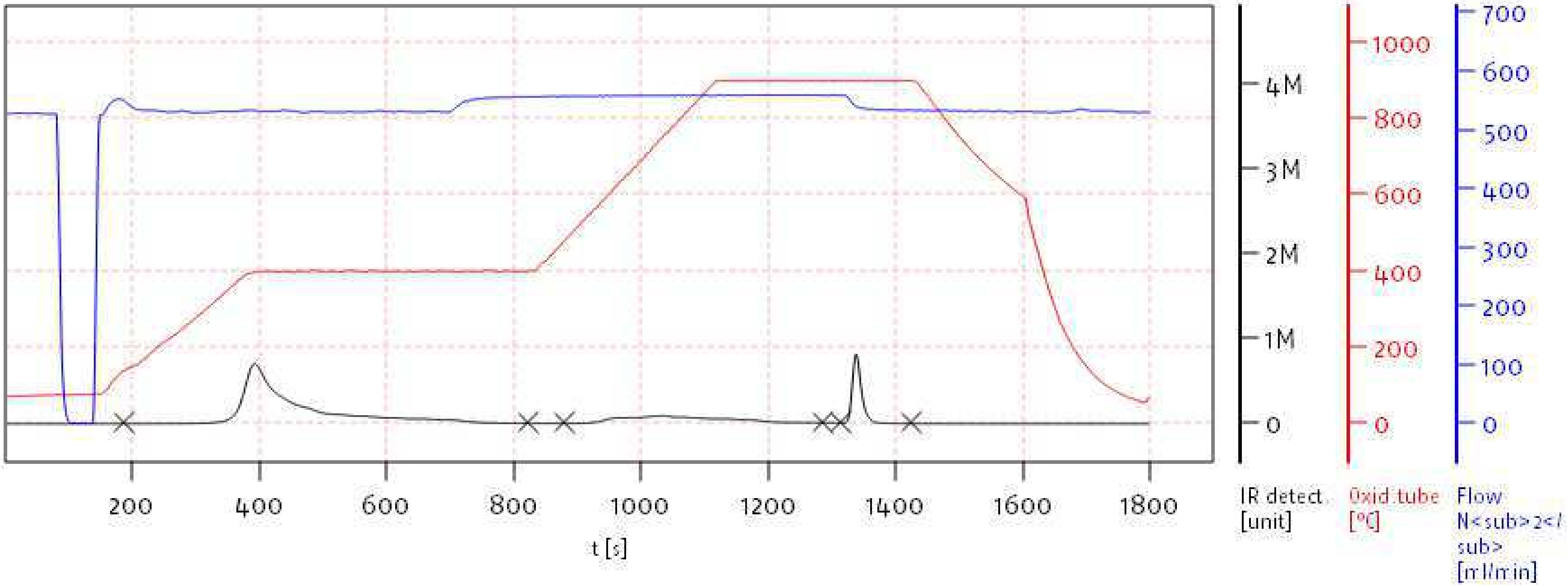
Serial No: 0300.181017
Mode CCC

Soli TOC Cube, Carbon
Balance: BAL3
Analyst: DOE

	Pos.	Name	Weight [mg]	Memo	Method	Date Time	Info	TOC [%]	TOC400 Area	TC [%]	ROC [%]	ROC Area	TIC900 Area	TOC400 [%]	TIC900 [%]	TOC400 Factor	TIC900 Factor
9	9	22L0307-54	511.80		CARBON	12/28/2022 6:29 PM	bl	0.862	2 476 874	1.065	0.151	524 802	699 052	0.711	0.203	0.9594	1.0000



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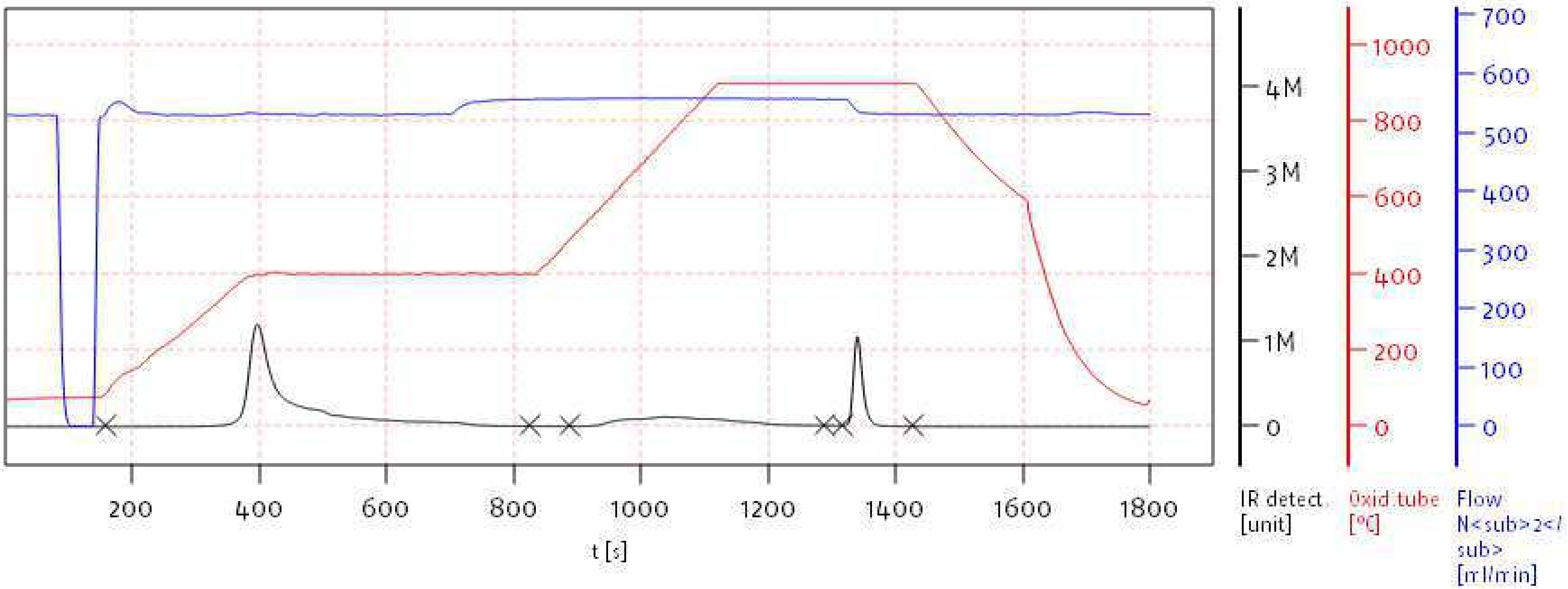
elementar
EXCELLENCE IN ELEMENTS

soliTOC V2.0.2 (31015f9) 2018-11-19
Serial No: 0300.181017
Mode CCC

Soli TOC Cube, Carbon

Balance: BAL3
Analyst: DOE

	Pos.	Name	Weight [mg]	Memo	Method	Date Time	Info	TOC [%]	TOC400 Area	TC [%]	ROC [%]	ROC Area	TIC900 Area	TOC400 [%]	TIC900 [%]	TOC400 Factor	TIC900 Factor
10	10	22L0307-55	510.30		CARBON	12/28/2022 7:00 PM	bl	1.085	3 066 894	1.342	0.200	686 890	873 634	0.885	0.257	0.9594	1.0000



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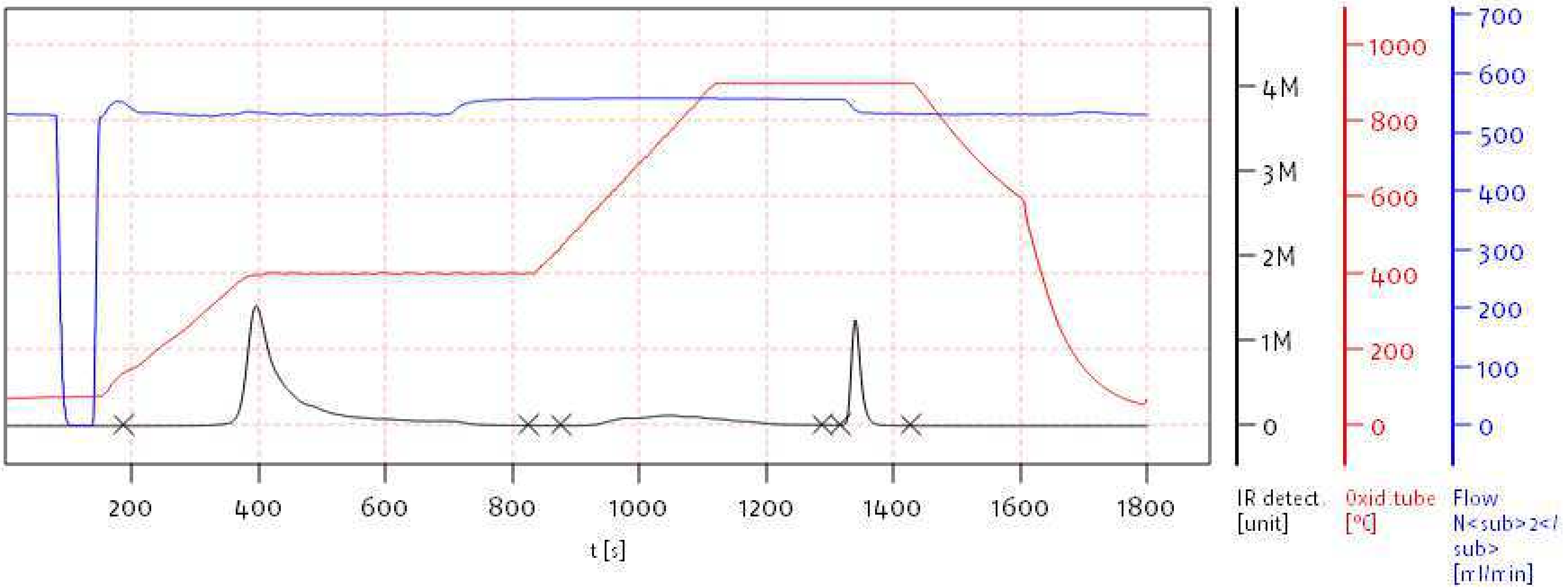
Date: Tue Jan 3 07:07:46 2023

soliTOC V2.0.2 (31015f9) 2018-11-19
Serial No: 0300.181017
Mode CCC

Document: 122822 DOE from: 1/3/2023 7:07 AM

Soli TOC Cube, Carbon
Balance: BAL3
Analyst: DOE

	Pos.	Name	Weight [mg]	Memo	Method	Date Time	Info	TOC [%]	TOC400 Area	TC [%]	ROC [%]	ROC Area	TIC900 Area	TOC400 [%]	TIC900 [%]	TOC400 Factor	TIC900 Factor
11	11	22L0307-56	504.50		CARBON	12/28/2022 7:30 PM	bl	1.356	3 794 415	1.620	0.246	829 669	888 171	1.109	0.264	0.9594	1.0000



Name:

Access: soliTOC superuser

Date: Tue Jan 3 07:07:46 2023

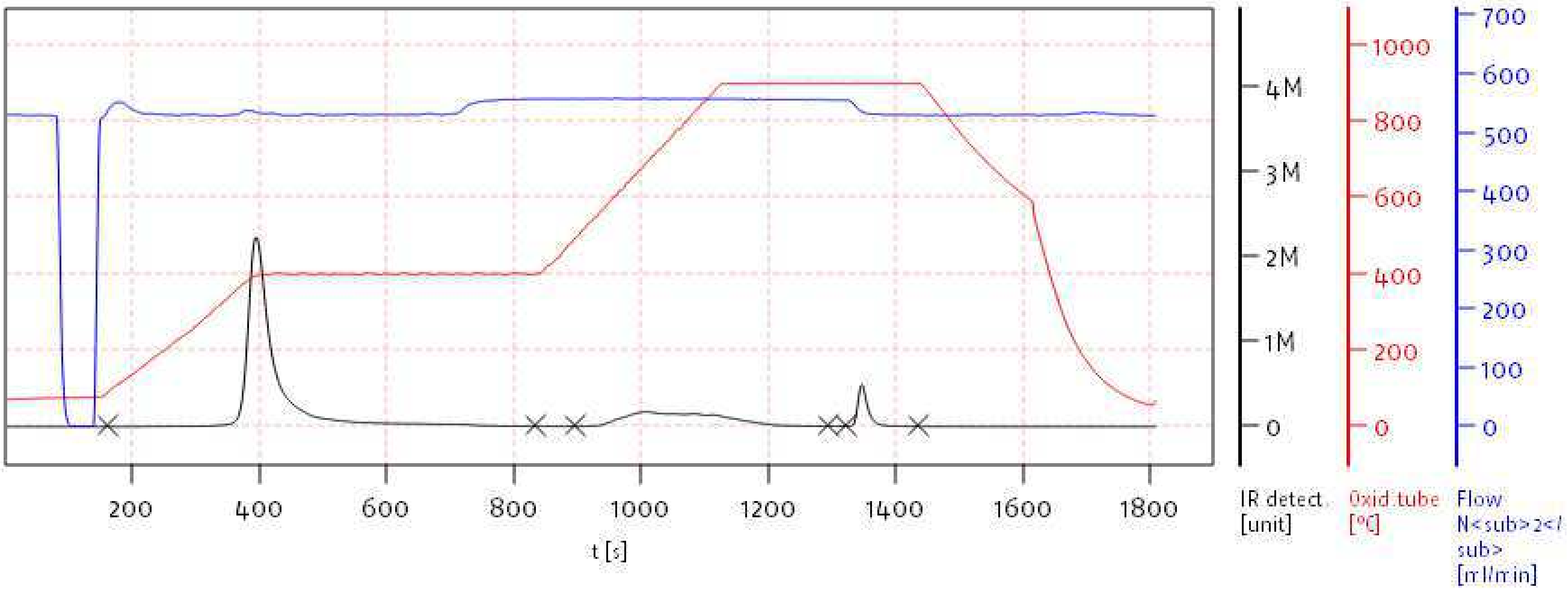
elementar
EXCELLENCE IN ELEMENTS

soliTOC V2.0.2 (31015f9) 2018-11-19
Serial No: 0300.181017
Mode CCC

Document: 122822 DOE from: 1/3/2023 7:07 AM

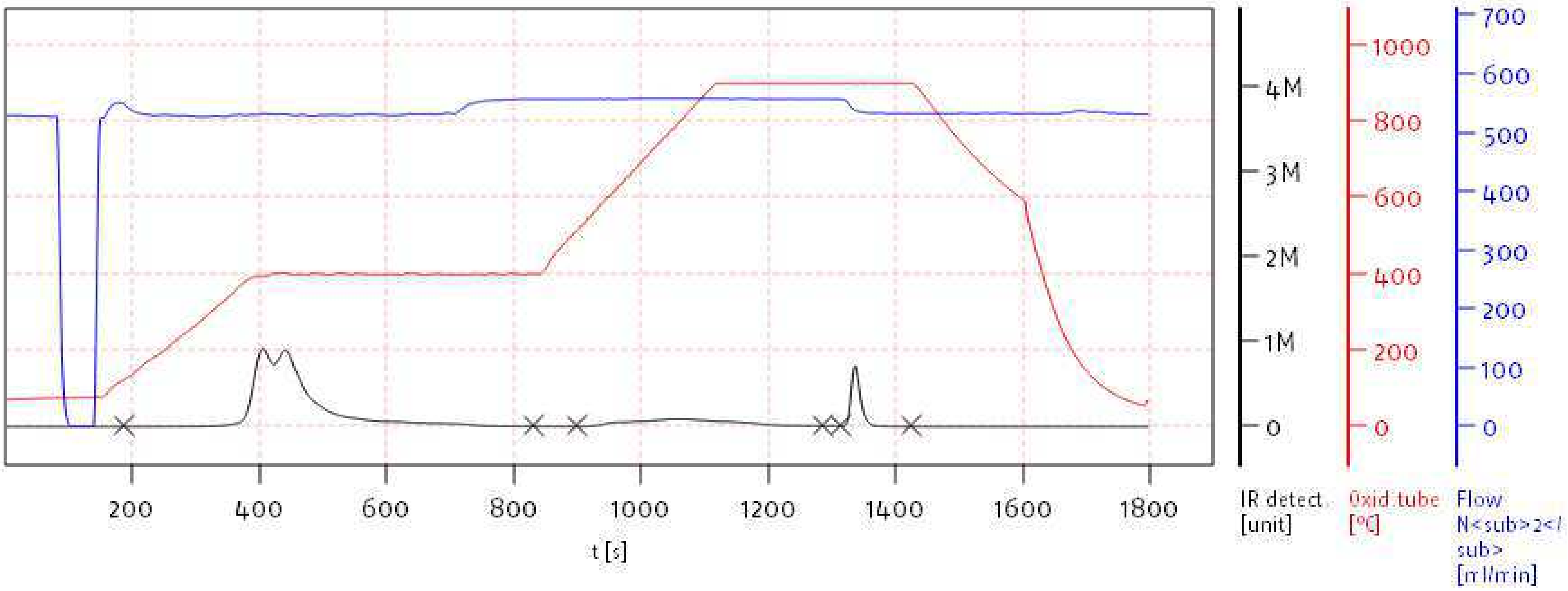
Soli TOC Cube, Carbon
Balance: BAL3
Analyst: DOE

	Pos.	Name	Weight [mg]	Memo	Method	Date Time	Info	TOC [%]	TOC400 Area	TC [%]	ROC [%]	ROC Area	TIC900 Area	TOC400 [%]	TIC900 [%]	TOC400 Factor	TIC900 Factor
12	12	22L0307-57	502.40		CARBON	12/28/2022 8:01 PM	bl	1.268	3 984 731	1.625	0.098	343 337	1 185 420	1.170	0.357	0.9594	1.0000



Soli TOC Cube, Carbon
Balance: BAL3
Analyst: DOE

	Pos.	Name	Weight [mg]	Memo	Method	Date Time	Info	TOC [%]	TOC400 Area	TC [%]	ROC [%]	ROC Area	TIC900 Area	TOC400 [%]	TIC900 [%]	TOC400 Factor	TIC900 Factor
13	13	22L0307-58	505.00		CARBON	12/28/2022 8:31 PM	bl	1.154	3 494 981	1.354	0.134	464 042	678 247	1.020	0.200	0.9594	1.0000



Name:

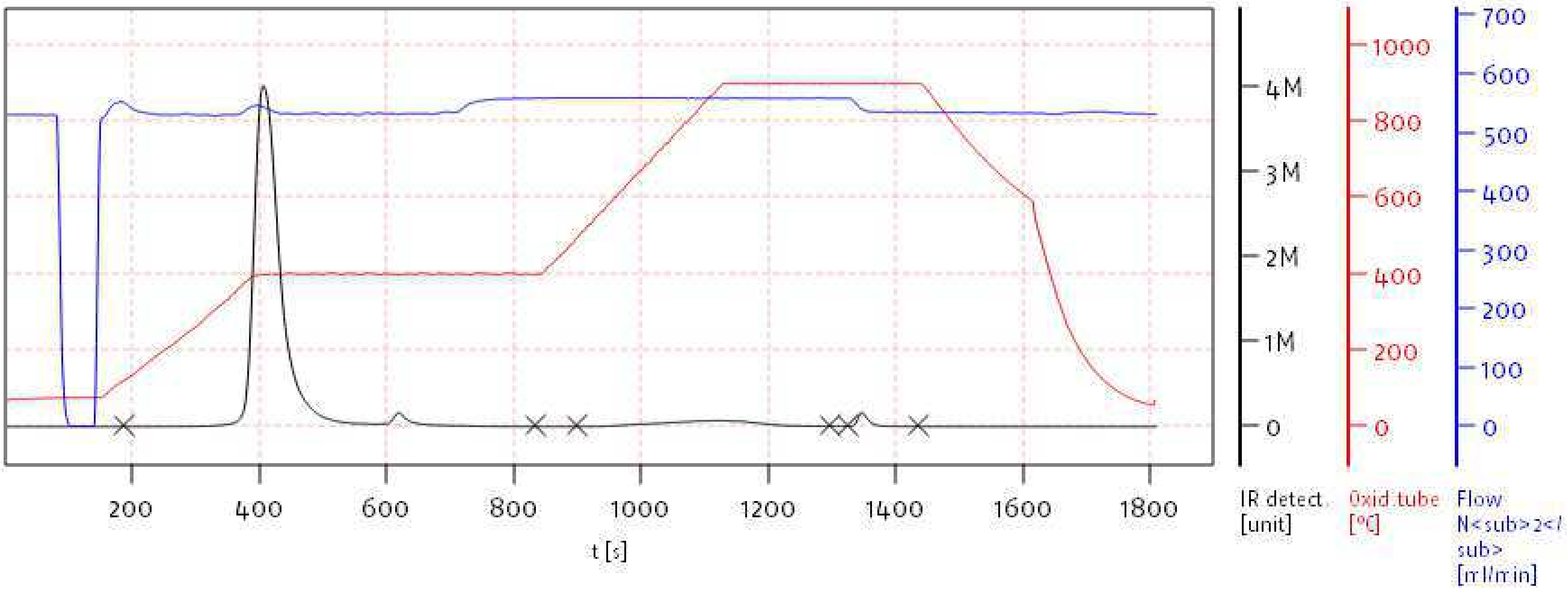
Access: soliTOC superuser

Date: Tue Jan 3 07:07:46 2023

soliTOC V2.0.2 (31015f9) 2018-11-19
Serial No: 0300.181017
Mode CCC

Soli TOC Cube, Carbon
Balance: BAL3
Analyst: DOE

	Pos.	Name	Weight [mg]	Memo	Method	Date Time	Info	TOC [%]	TOC400 Area	TC [%]	ROC [%]	ROC Area	TIC900 Area	TOC400 [%]	TIC900 [%]	TOC400 Factor	TIC900 Factor
14	14	22L0307-59	533.40		CARBON	12/28/2022 9:01 PM	bl	2.103	7 477 145	2.234	0.028	123 903	477 355	2.075	0.131	0.9594	1.0000



Name:

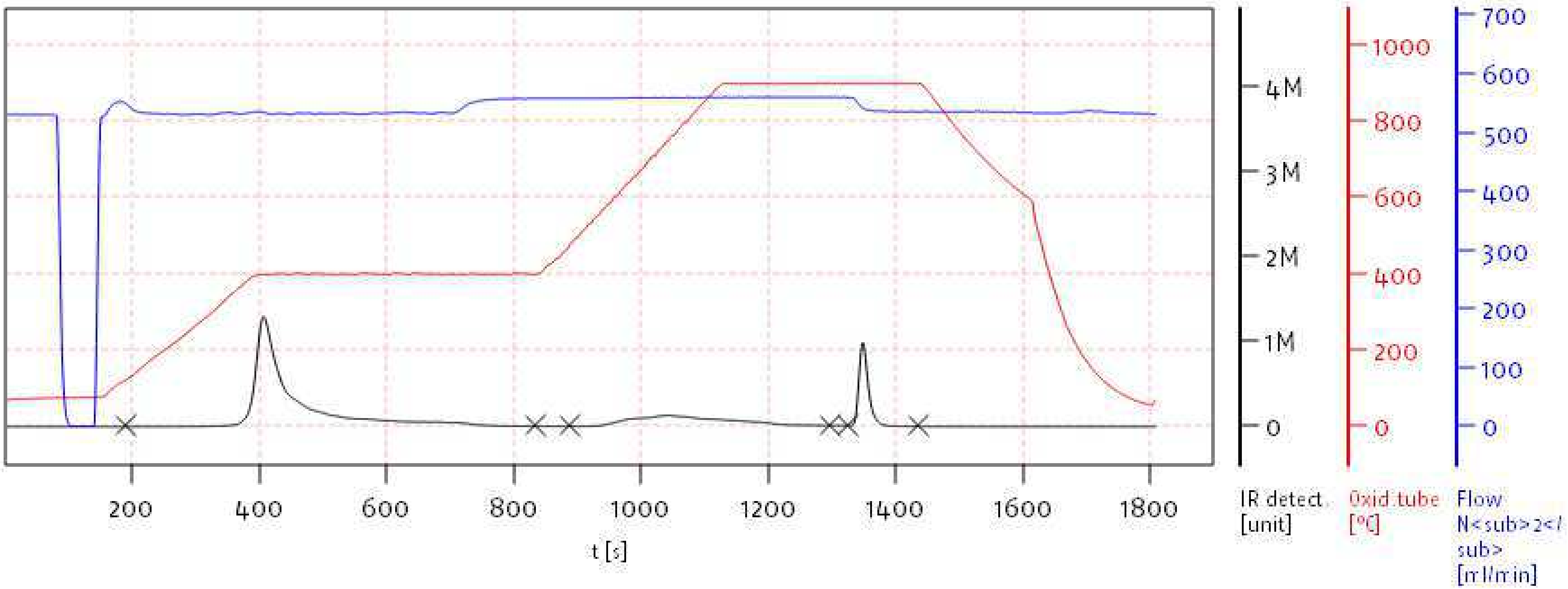
Access: soliTOC superuser

Date: Tue Jan 3 07:07:46 2023

soliTOC V2.0.2 (31015f9) 2018-11-19
Serial No: 0300.181017
Mode CCC

Soli TOC Cube, Carbon
Balance: BAL3
Analyst: DOE

	Pos.	Name	Weight [mg]	Memo	Method	Date Time	Info	TOC [%]	TOC400 Area	TC [%]	ROC [%]	ROC Area	TIC900 Area	TOC400 [%]	TIC900 [%]	TOC400 Factor	TIC900 Factor
15	15	22L0307-60	515.50		CARBON	12/28/2022 9:32 PM	bl	1.062	3 058 738	1.332	0.188	653 728	924 826	0.874	0.270	0.9594	1.0000



Name:

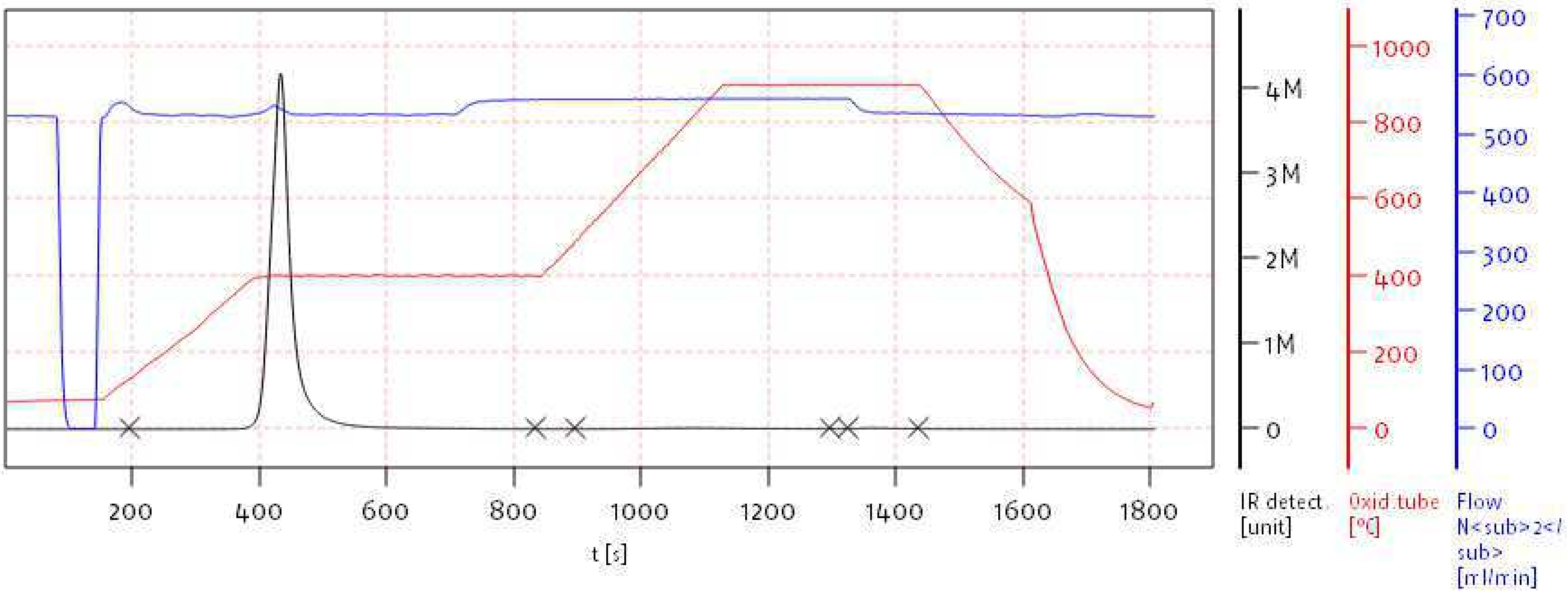
Access: soliTOC superuser

Date: Tue Jan 3 07:07:46 2023

soliTOC V2.0.2 (31015f9) 2018-11-19
Serial No: 0300.181017
Mode CCC

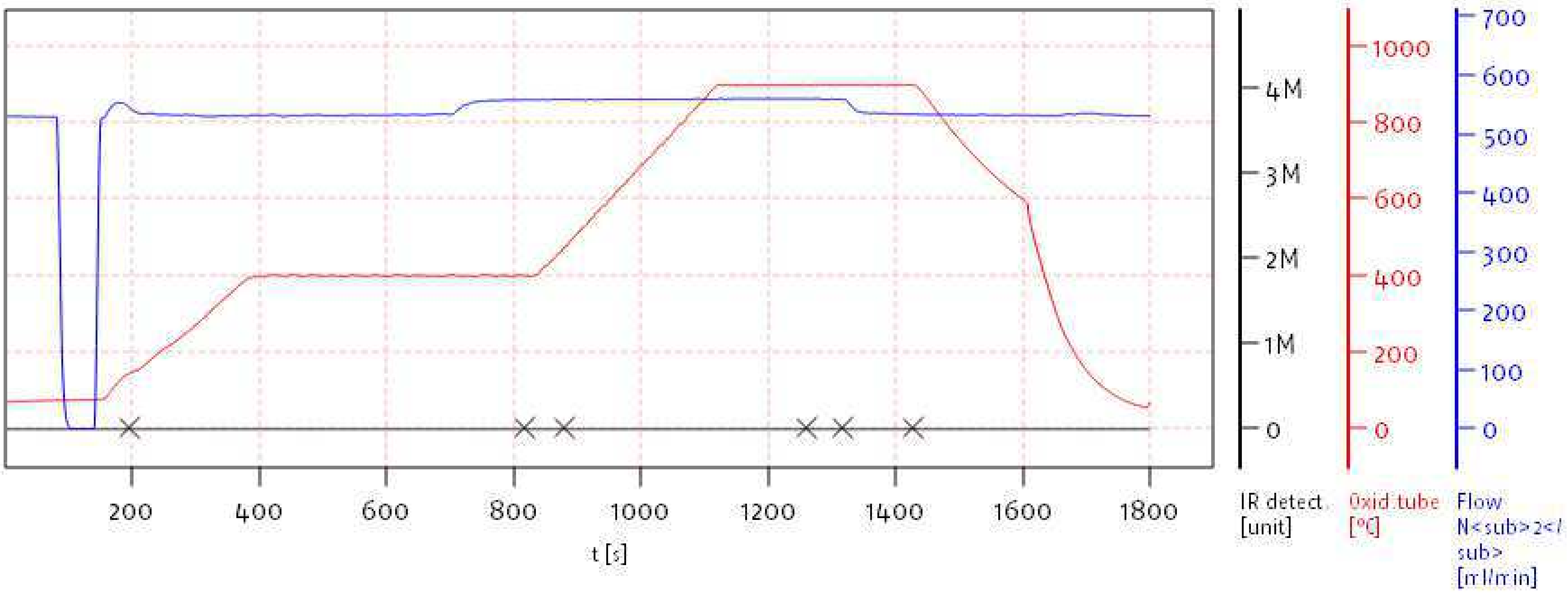
Soli TOC Cube, Carbon
Balance: BAL3
Analyst: DOE

	Pos.	Name	Weight [mg]	Memo	Method	Date Time	Info	TOC [%]	TOC400 Area	TC [%]	ROC [%]	ROC Area	TIC900 Area	TOC400 [%]	TIC900 [%]	TOC400 Factor	TIC900 Factor
16	16	SKL0336-CCV1	19.70		CARBON	12/28/2022 10:02 PM	bl	44.126	5 874 829	44.681	0.035	30 950	97 177	44.092	0.555	0.9594	1.0000



Soli TOC Cube, Carbon
Balance: BAL3
Analyst: DOE

	Pos.	Name	Weight [mg]	Memo	Method	Date Time	Info	TOC [%]	TOC400 Area	TC [%]	ROC [%]	ROC Area	TIC900 Area	TOC400 [%]	TIC900 [%]	TOC400 Factor	TIC900 Factor
17	17	SKL0336-CCB1	512.00		CARBON	12/28/2022 10:33 PM	bl,C3u,C2u	0.000	4 468	0.000	0.000	710	713	0.000	0.000	0.9594	1.0000



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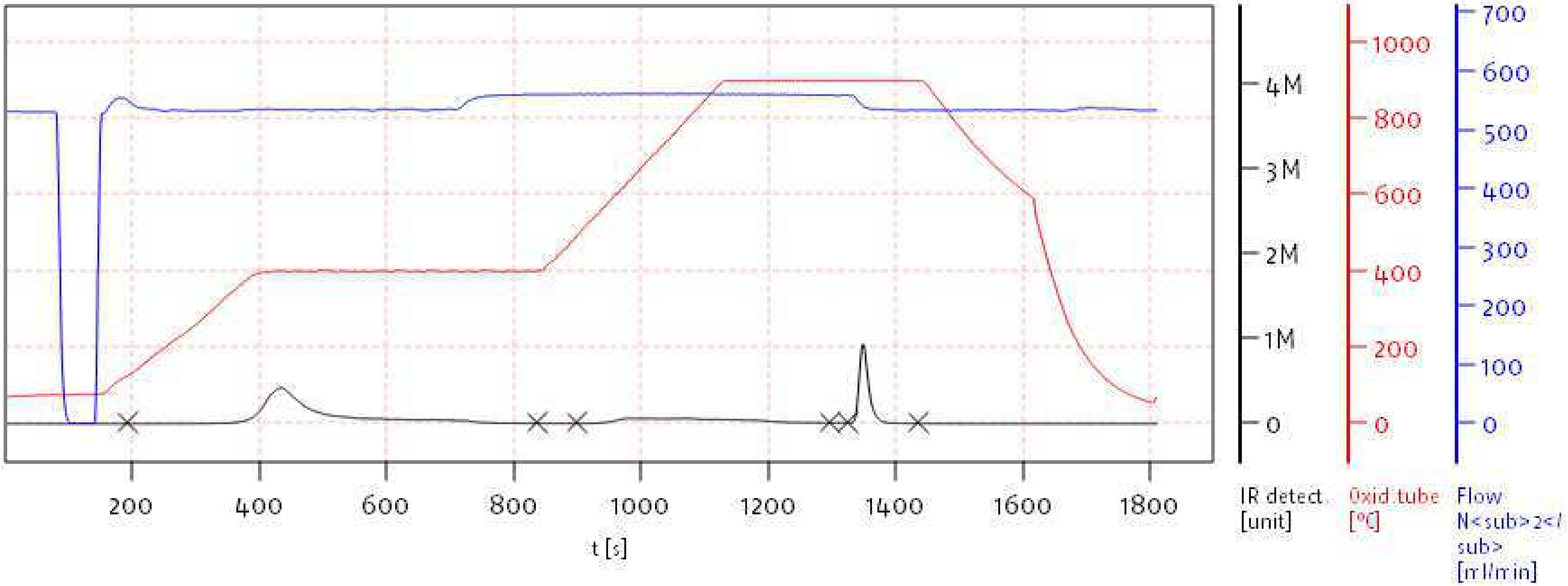
Date: Tue Jan 3 07:07:46 2023

soliTOC V2.0.2 (31015f9) 2018-11-19
Serial No: 0300.181017
Mode CCC

Soli TOC Cube, Carbon
Balance: BAL3
Analyst: DOE

	Pos.	Name	Weight [mg]	Memo	Method	Date Time	Info	TOC [%]	TOC400 Area	TC [%]	ROC [%]	ROC Area	TIC900 Area	TOC400 [%]	TIC900 [%]	TOC400 Factor	TIC900 Factor
18	18	22L0307-61	531.80		CARBON	12/28/2022 11:03 PM	bl	0.626	1 642 239	0.780	0.174	625 649	555 991	0.451	0.154	0.9594	1.0000



Name:

Access: soliTOC superuser

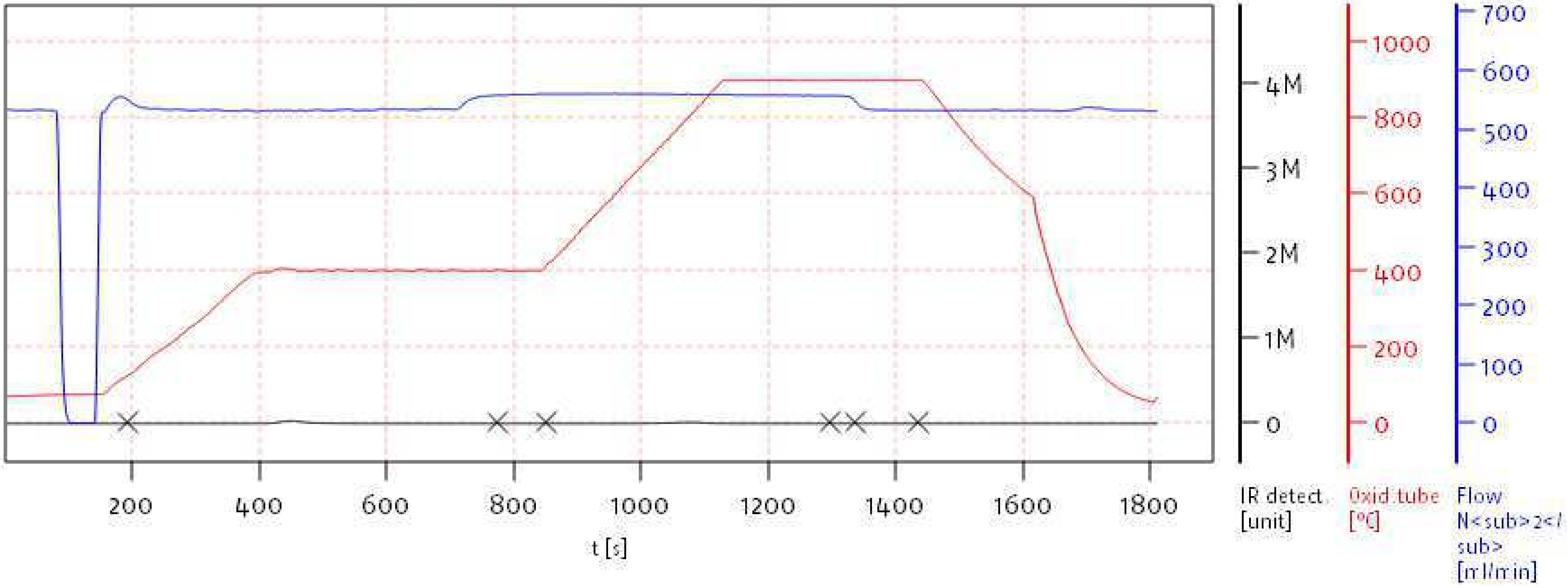
Date: Tue Jan 3 07:07:46 2023

soliTOC V2.0.2 (31015f9) 2018-11-19
Serial No: 0300.181017
Mode CCC

elementar
EXCELLENCE IN ELEMENTS

Soli TOC Cube, Carbon
Balance: BAL3
Analyst: DOE

	Pos.	Name	Weight [mg]	Memo	Method	Date Time	Info	TOC [%]	TOC400 Area	TC [%]	ROC [%]	ROC Area	TIC900 Area	TOC400 [%]	TIC900 [%]	TOC400 Factor	TIC900 Factor
19	19	BKL0587-MRL1	510.20		CARBON	12/28/2022 11:34 PM	bl,C2u	0.010	60 063	0.013	0.000	430	35 567	0.010	0.003	0.9594	1.0000



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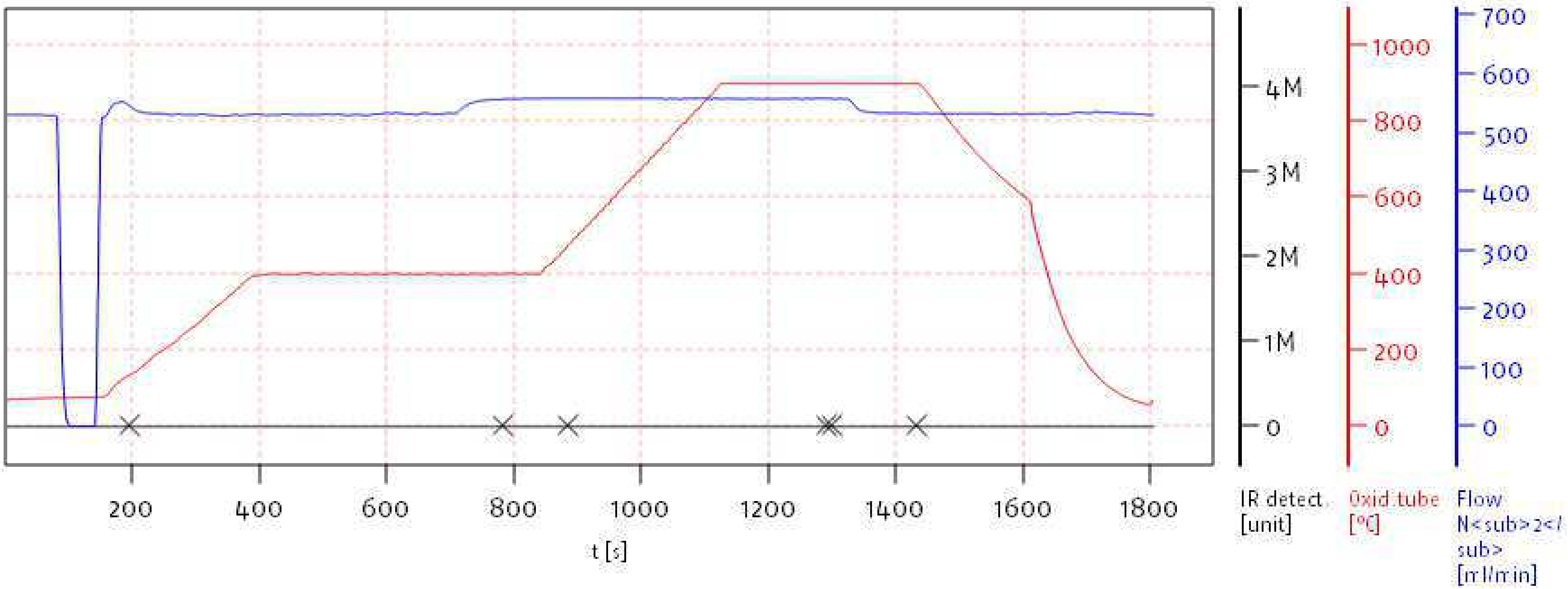
Soli TOC Cube, Carbon
Balance: BAL3
Analyst: DOE

	Pos.	Name	Weight [mg]	Memo	Method	Date Time	Info	TOC [%]	TOC400 Area	TC [%]	ROC [%]	ROC Area	TIC900 Area	TOC400 [%]	TIC900 [%]	TOC400 Factor	TIC900 Factor
20	20	BKL0587-BLK1	512.80		CARBON	12/29/2022 12:04 AM	bl,C3u,C2u	0.000	5 080	0.000	0.000	641	2 237	0.000	0.000	0.9594	1.0000



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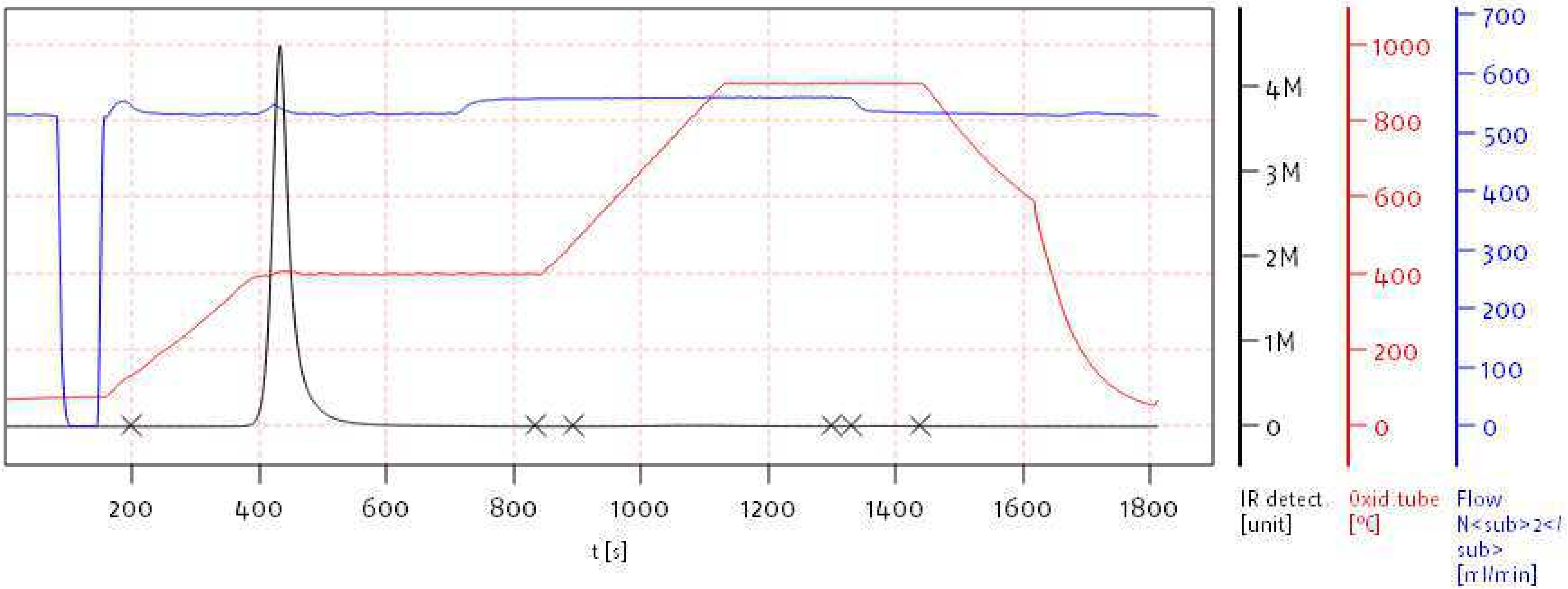
Soli TOC Cube, Carbon
Balance: BAL3
Analyst: DOE

	Pos.	Name	Weight [mg]	Memo	Method	Date Time	Info	TOC [%]	TOC400 Area	TC [%]	ROC [%]	ROC Area	TIC900 Area	TOC400 [%]	TIC900 [%]	TOC400 Factor	TIC900 Factor
21	21	BKL0587-BS1	19.90		CARBON	12/29/2022 12:35 AM	bl	44.656	6 009 876	45.212	0.000	20 894	98 026	44.656	0.556	0.9594	1.0000



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Serial No: 0300.181017
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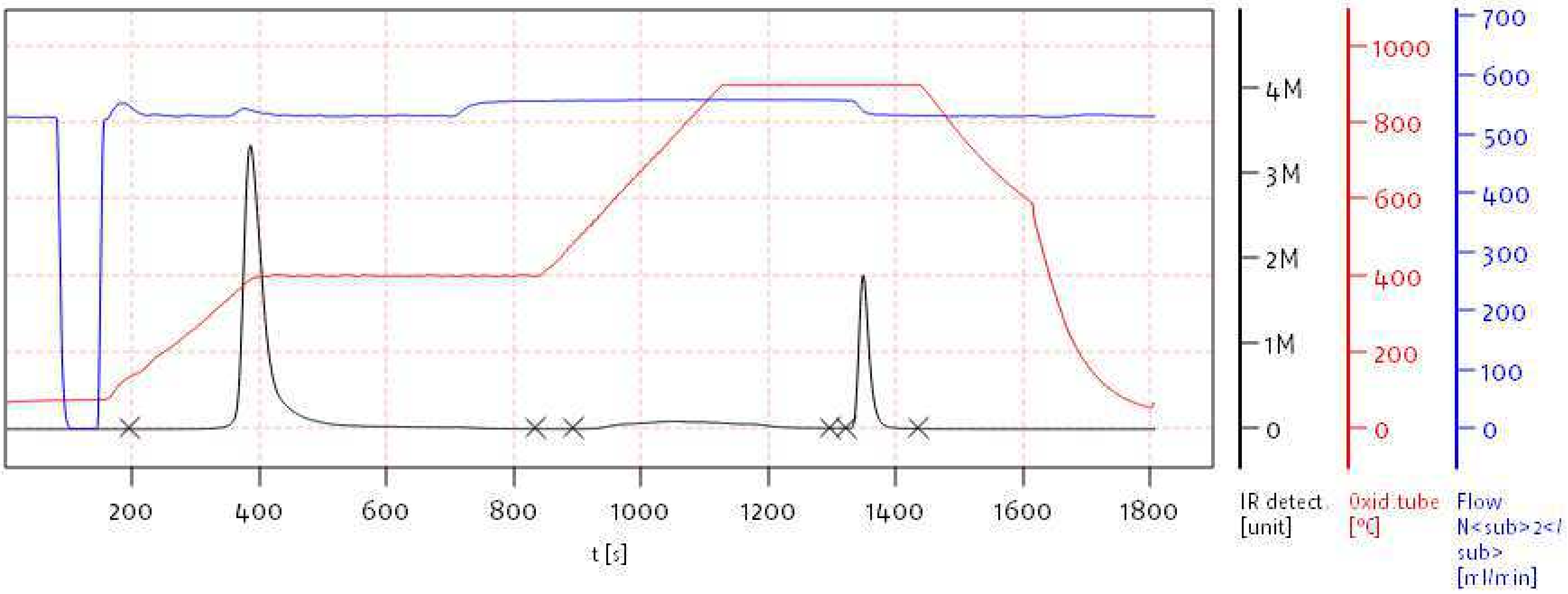
Soli TOC Cube, Carbon
Balance: BAL3
Analyst: DOE

	Pos.	Name	Weight [mg]	Memo	Method	Date Time	Info	TOC [%]	TOC400 Area	TC [%]	ROC [%]	ROC Area	TIC900 Area	TOC400 [%]	TIC900 [%]	TOC400 Factor	TIC900 Factor
22	22	BKL0587-SRM1	312.00		CARBON	12/29/2022 1:06 AM	bl	3.016	5 024 035	3.374	0.637	1 309 591	748 752	2.379	0.358	0.9594	1.0000



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Serial No: 0300.181017
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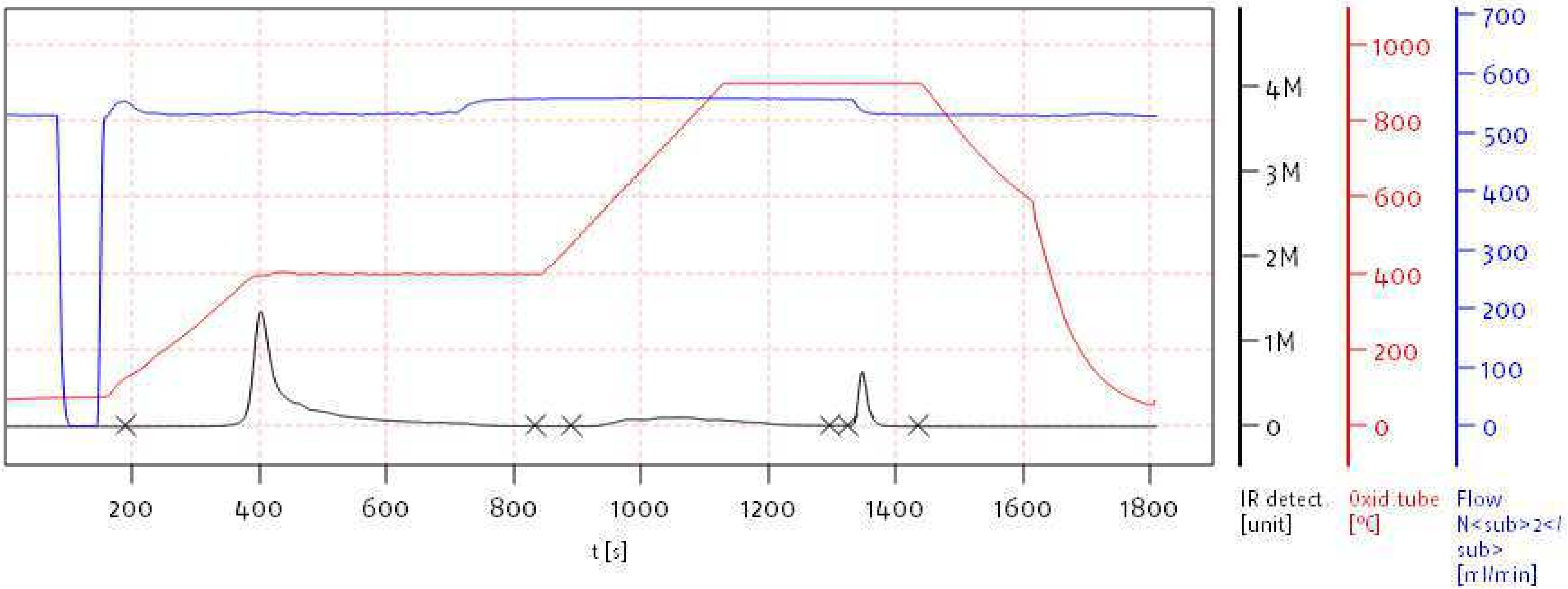
elementar
EXCELLENCE IN ELEMENTS

Soli TOC Cube, Carbon
Balance: BAL3
Analyst: DOE

	Pos.	Name	Weight [mg]	Memo	Method	Date Time	Info	TOC [%]	TOC400 Area	TC [%]	ROC [%]	ROC Area	TIC900 Area	TOC400 [%]	TIC900 [%]	TOC400 Factor	TIC900 Factor
23	23	22L0307-62	539.60		CARBON	12/29/2022 1:36 AM	bl	0.945	3 045 637	1.173	0.114	424 214	821 013	0.831	0.228	0.9594	1.0000



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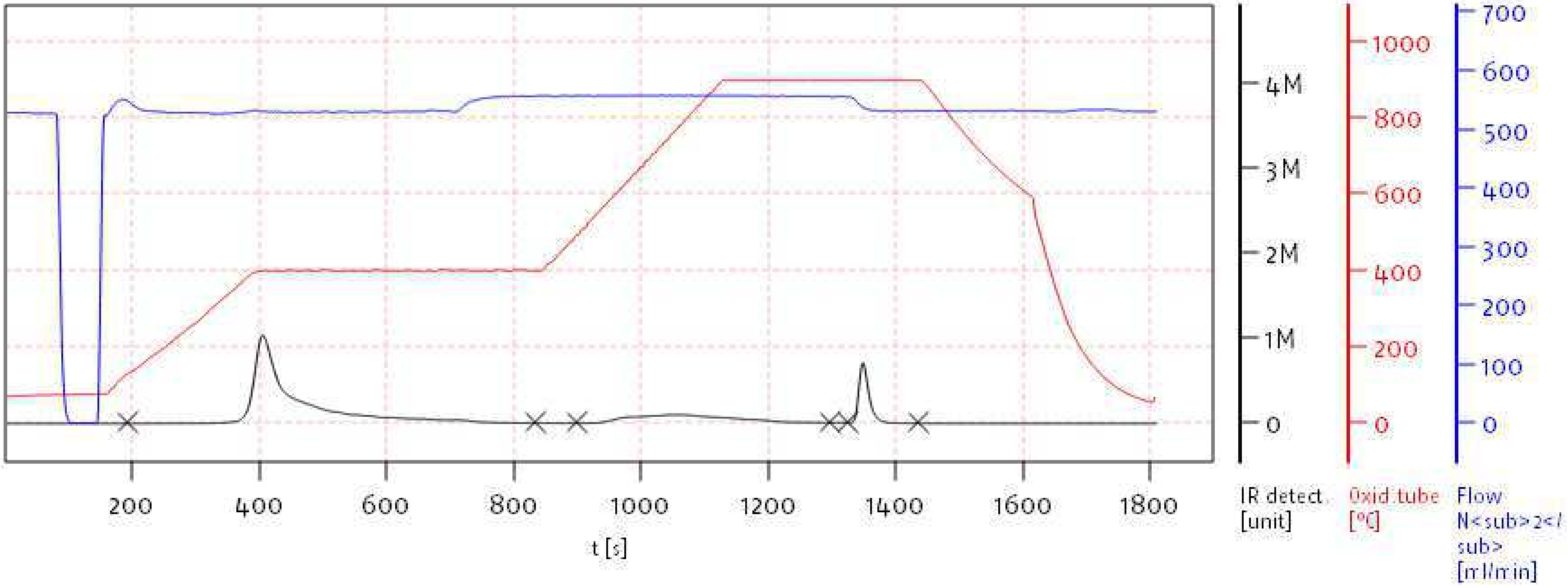
Balance: BAL3
Analyst: DOE

	Pos.	Name	Weight [mg]	Memo	Method	Date Time	Info	TOC [%]	TOC400 Area	TC [%]	ROC [%]	ROC Area	TIC900 Area	TOC400 [%]	TIC900 [%]	TOC400 Factor	TIC900 Factor
24	24	BKL0587-DUP1	504.10		CARBON	12/29/2022 2:07 AM	bl	0.955	2 765 977	1.185	0.148	508 583	774 381	0.807	0.230	0.9594	1.0000



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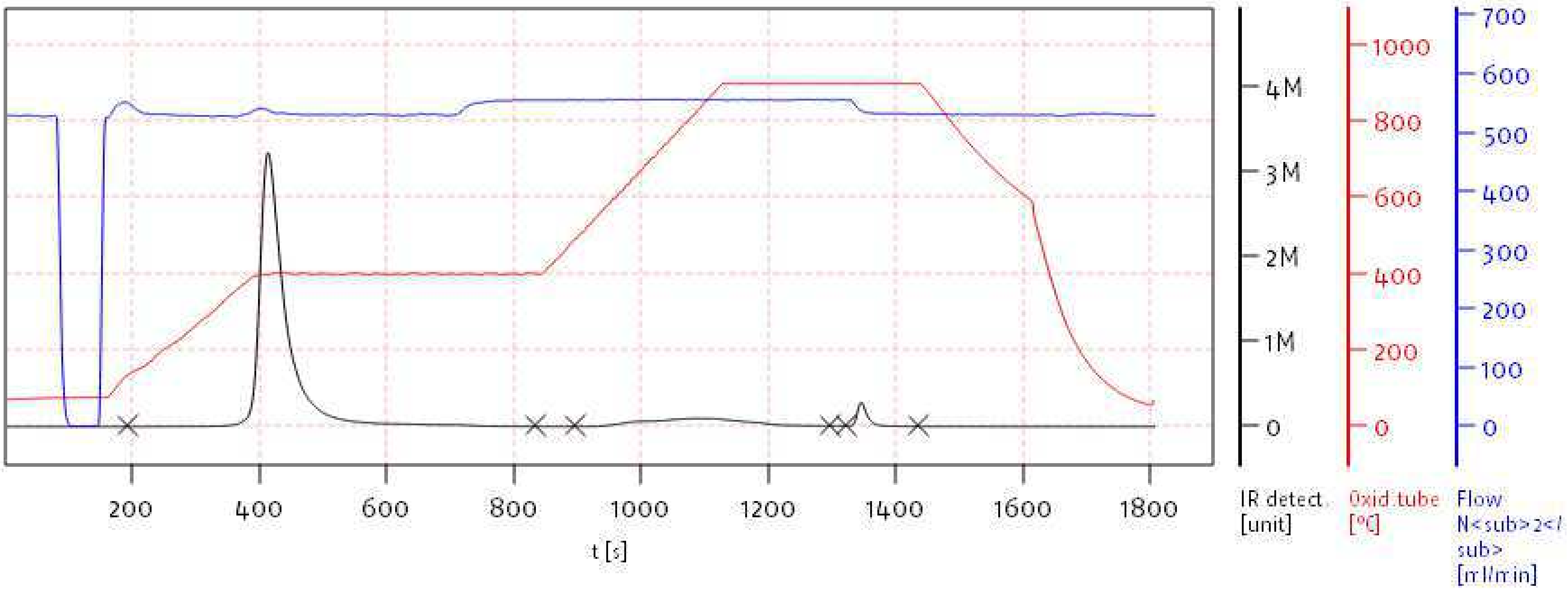
Soli TOC Cube, Carbon
Balance: BAL3
Analyst: DOE

	Pos.	Name	Weight [mg]	Memo	Method	Date Time	Info	TOC [%]	TOC400 Area	TC [%]	ROC [%]	ROC Area	TIC900 Area	TOC400 [%]	TIC900 [%]	TOC400 Factor	TIC900 Factor
25	25	BKL0587-MS1	523.60	0.0083	CARBON	12/29/2022 2:37 AM	bl	1.680	5 761 308	1.879	0.053	206 236	698 891	1.627	0.199	0.9594	1.0000



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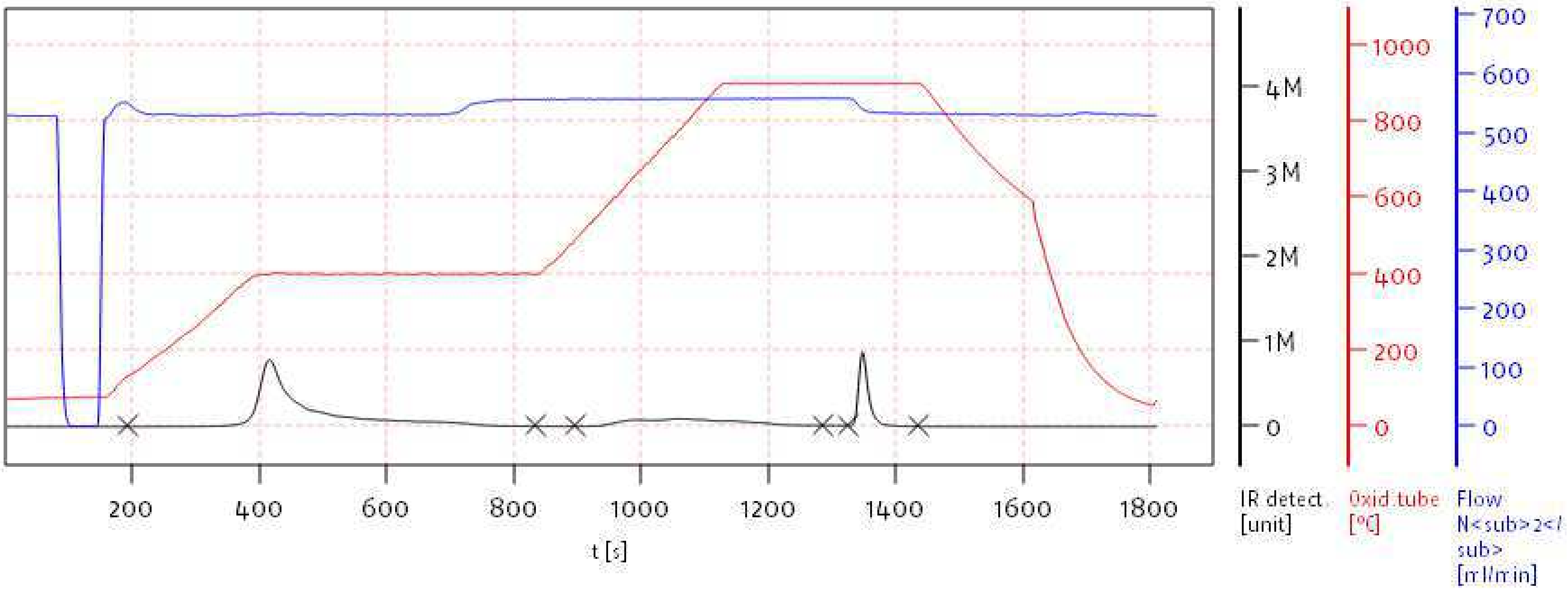
Balance: BAL3
Analyst: DOE

	Pos.	Name	Weight [mg]	Memo	Method	Date Time	Info	TOC [%]	TOC400 Area	TC [%]	ROC [%]	ROC Area	TIC900 Area	TOC400 [%]	TIC900 [%]	TOC400 Factor	TIC900 Factor
26	26	22L0307-63	514.30		CARBON	12/29/2022 3:08 AM	bl	0.861	2 410 205	1.074	0.173	600 570	733 979	0.688	0.213	0.9594	1.0000



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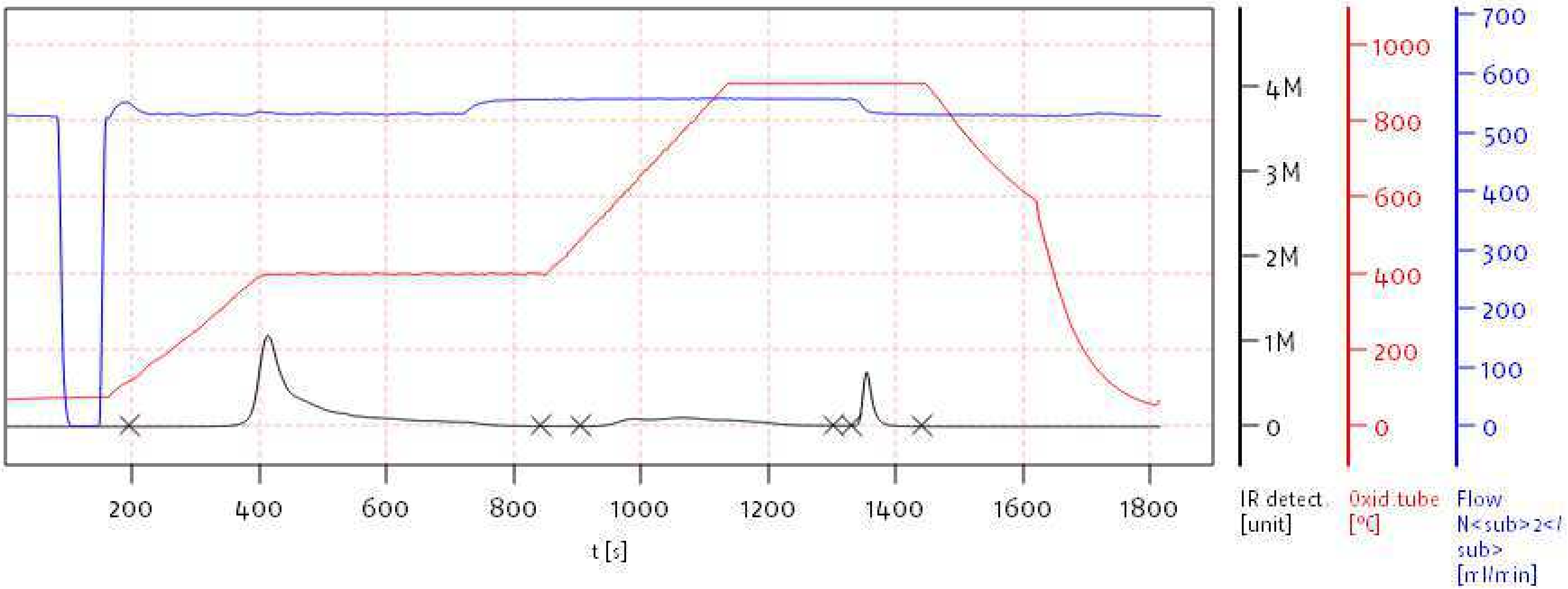
Balance: BAL3
Analyst: DOE

	Pos.	Name	Weight [mg]	Memo	Method	Date Time	Info	TOC [%]	TOC400 Area	TC [%]	ROC [%]	ROC Area	TIC900 Area	TOC400 [%]	TIC900 [%]	TOC400 Factor	TIC900 Factor
27	27	22L0307-64	556.30		CARBON	12/29/2022 3:38 AM	bl	0.948	3 143 742	1.171	0.115	441 163	829 711	0.832	0.224	0.9594	1.0000



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Balance: BAL3
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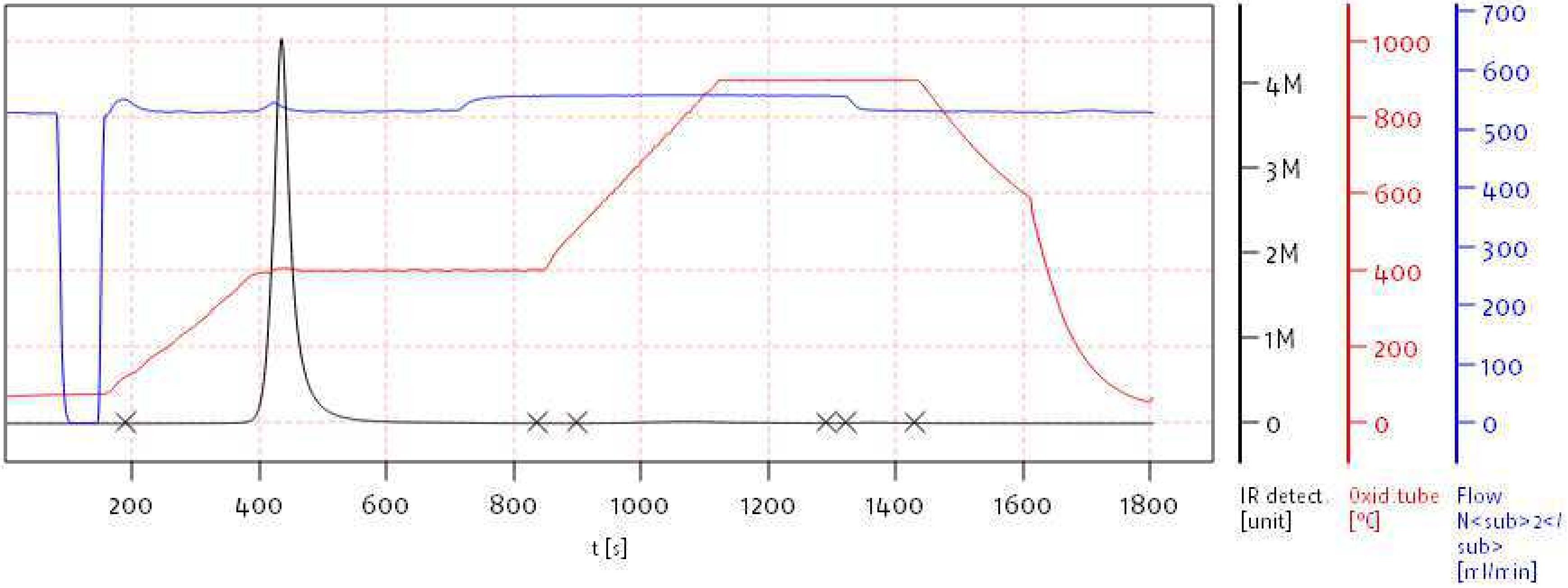
	Pos.	Name	Weight [mg]	Memo	Method	Date Time	Info	TOC [%]	TOC400 Area	TC [%]	ROC [%]	ROC Area	TIC900 Area	TOC400 [%]	TIC900 [%]	TOC400 Factor	TIC900 Factor
28	28	SKL0336-CCV2	20.90		CARBON	12/29/2022 4:09 AM	bl	44.122	6 230 850	45.047	0.032	30 812	151 468	44.090	0.925	0.9594	1.0000



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Balance: BAL3
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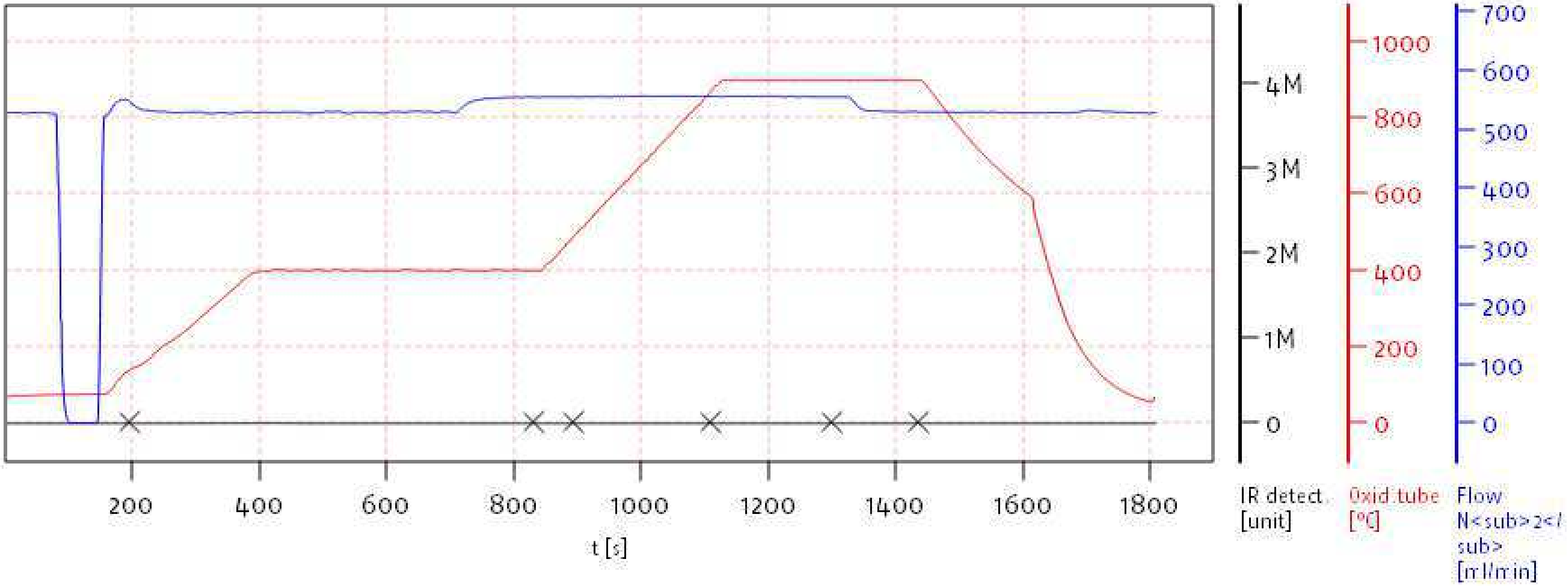
	Pos.	Name	Weight [mg]	Memo	Method	Date Time	Info	TOC [%]	TOC400 Area	TC [%]	ROC [%]	ROC Area	TIC900 Area	TOC400 [%]	TIC900 [%]	TOC400 Factor	TIC900 Factor
29	29	SKL0336-CCB2	506.50		CARBON	12/29/2022 4:39 AM	bl,C3u,C2u	0.000	12 516	0.000	0.000	620	121	0.000	0.000	0.9594	1.0000



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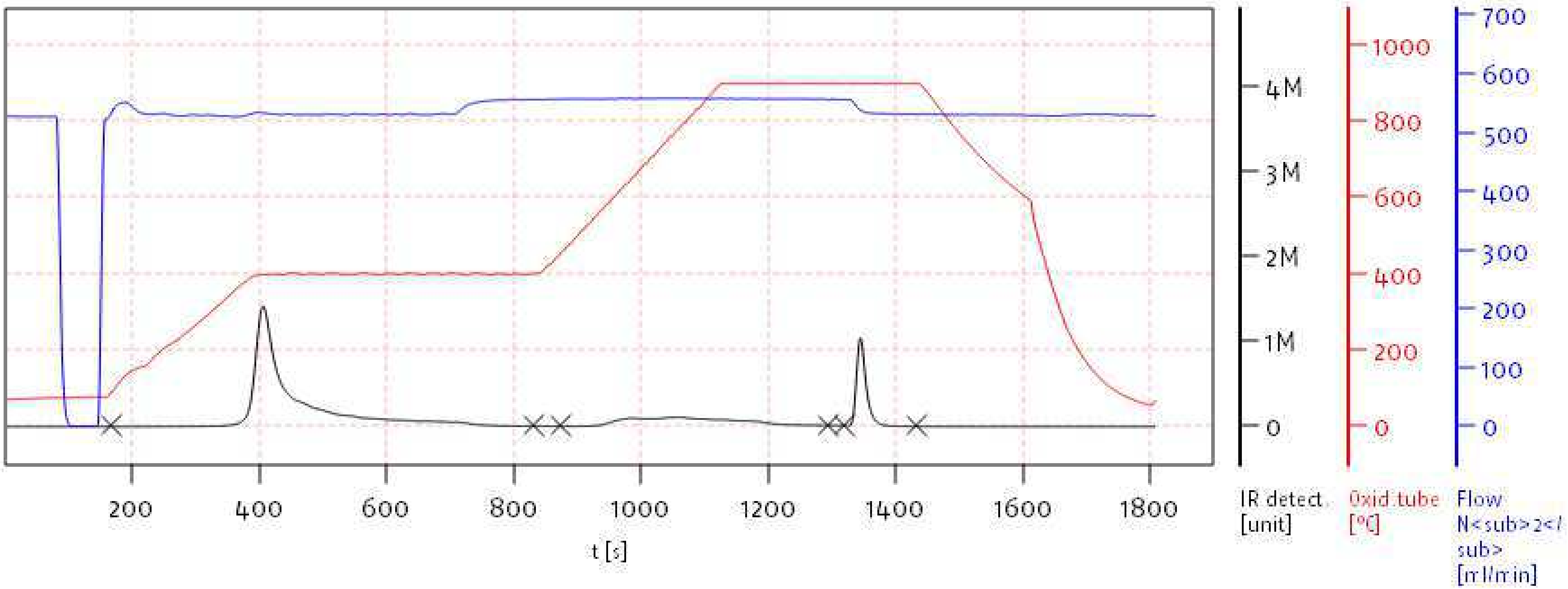
elementar
EXCELLENCE IN ELEMENTS

soliTOC V2.0.2 (31015f9) 2018-11-19
Serial No: 0300.181017
Mode CCC

Soli TOC Cube, Carbon
Balance: BAL3
Analyst: DOE

	Pos.	Name	Weight [mg]	Memo	Method	Date Time	Info	TOC [%]	TOC400 Area	TC [%]	ROC [%]	ROC Area	TIC900 Area	TOC400 [%]	TIC900 [%]	TOC400 Factor	TIC900 Factor
30	30	22L0307-65	540.60		CARBON	12/29/2022 5:10 AM	bl	1.104	3 338 181	1.355	0.194	704 009	903 607	0.910	0.251	0.9594	1.0000



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elementar
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Serial No: 0300.181017
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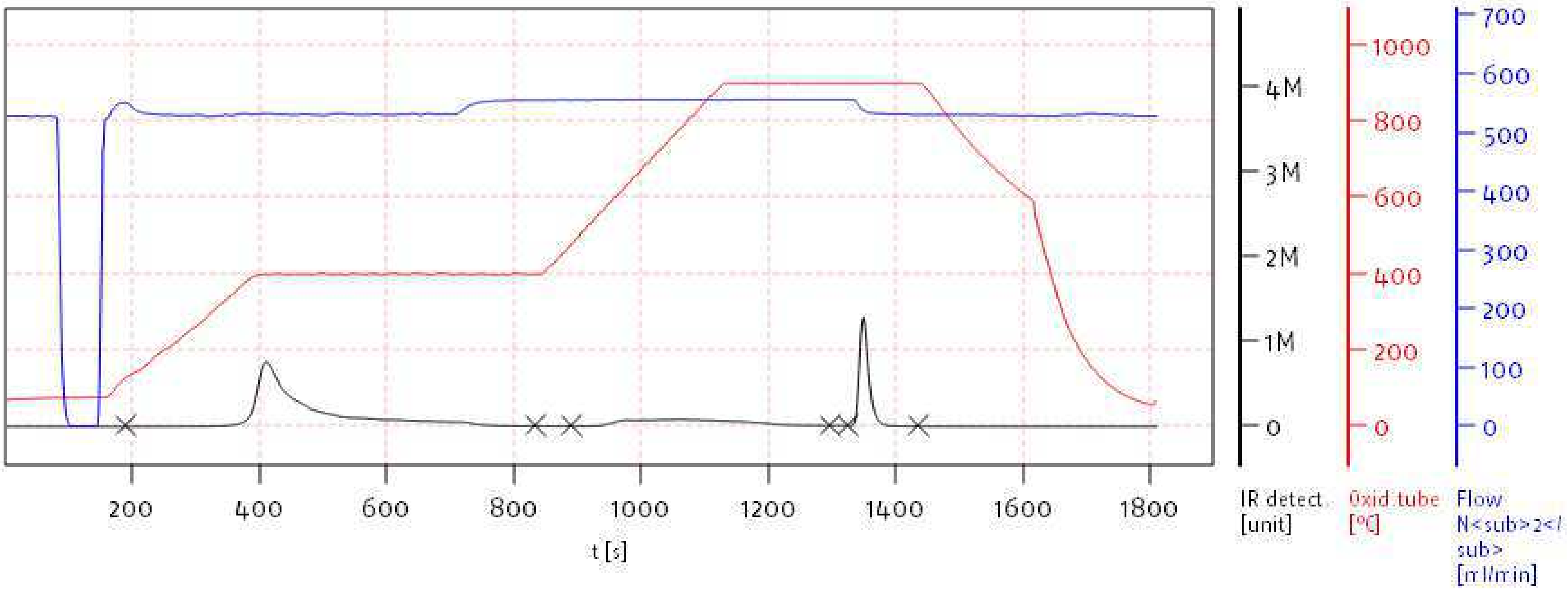
Balance: BAL3
Analyst: DOE

	Pos.	Name	Weight [mg]	Memo	Method	Date Time	Info	TOC [%]	TOC400 Area	TC [%]	ROC [%]	ROC Area	TIC900 Area	TOC400 [%]	TIC900 [%]	TOC400 Factor	TIC900 Factor
31	31	22L0307-66	527.40		CARBON	12/29/2022 5:40 AM	bl	0.944	2 530 940	1.153	0.239	840 943	736 911	0.705	0.209	0.9594	1.0000



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Soli TOC Cube, Carbon
Balance: BAL3
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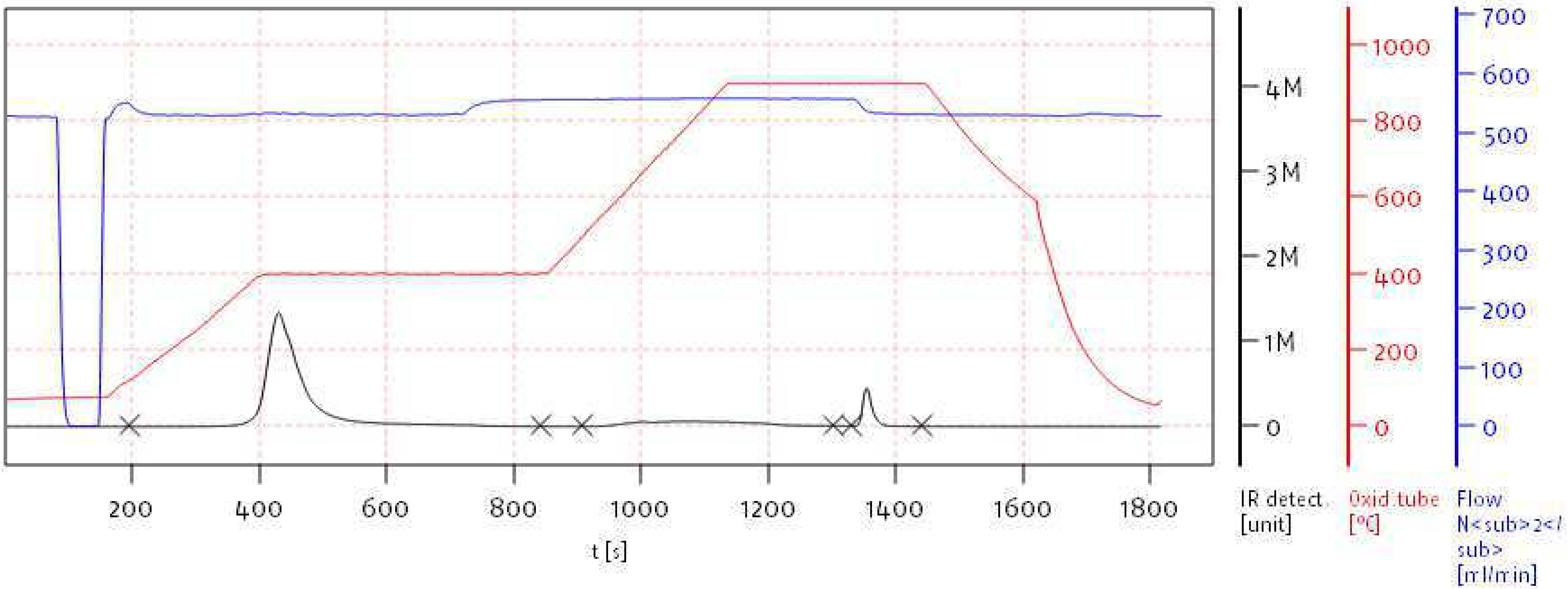
	Pos.	Name	Weight [mg]	Memo	Method	Date Time	Info	TOC [%]	TOC400 Area	TC [%]	ROC [%]	ROC Area	TIC900 Area	TOC400 [%]	TIC900 [%]	TOC400 Factor	TIC900 Factor
32	32	22L0473-01	503.10		CARBON	12/29/2022 6:11 AM	bl	1.033	3 234 454	1.188	0.086	305 690	531 582	0.947	0.155	0.9594	1.0000



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Balance: BAL3
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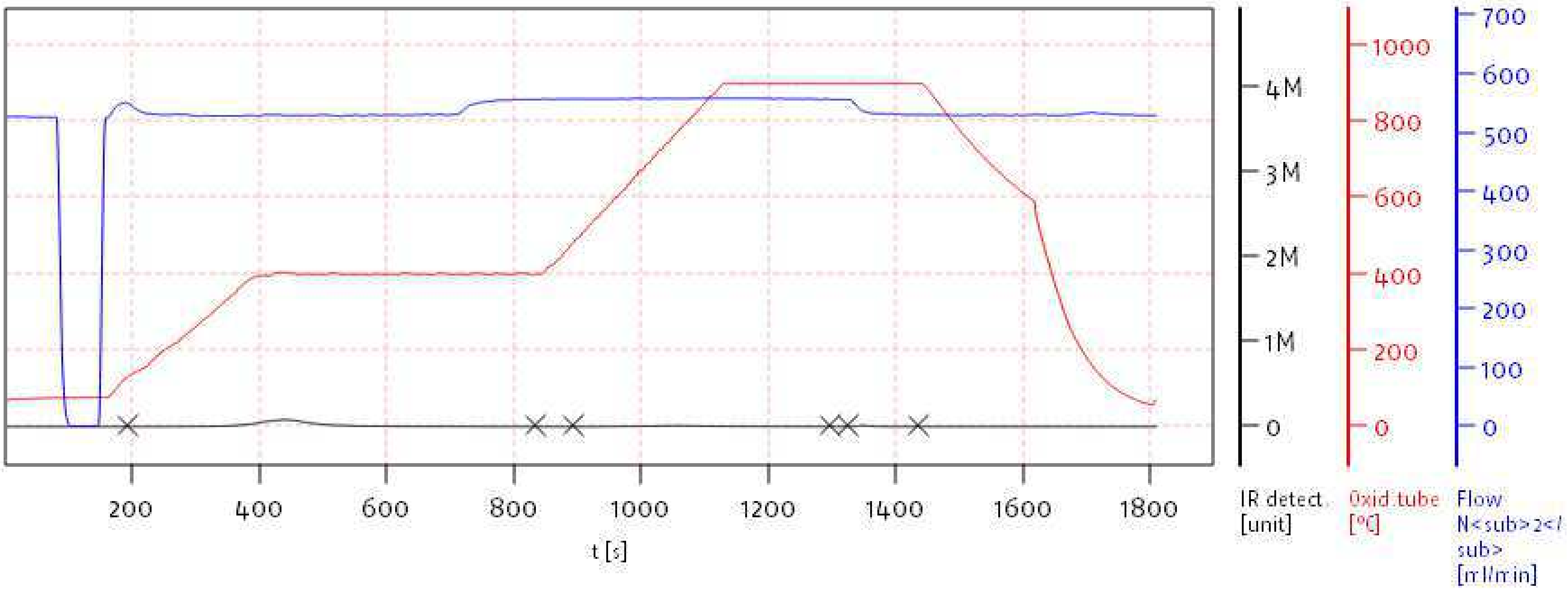
	Pos.	Name	Weight [mg]	Memo	Method	Date Time	Info	TOC [%]	TOC400 Area	TC [%]	ROC [%]	ROC Area	TIC900 Area	TOC400 [%]	TIC900 [%]	TOC400 Factor	TIC900 Factor
33	33	22L0473-02	602.50		CARBON	12/29/2022 6:42 AM	bl	0.077	336 916	0.084	0.000	11 911	56 956	0.077	0.008	0.9594	1.0000



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elementar
EXCELLENCE IN ELEMENTS

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Serial No: 0300.181017
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Soli TOC Cube, Carbon
Balance: BAL3
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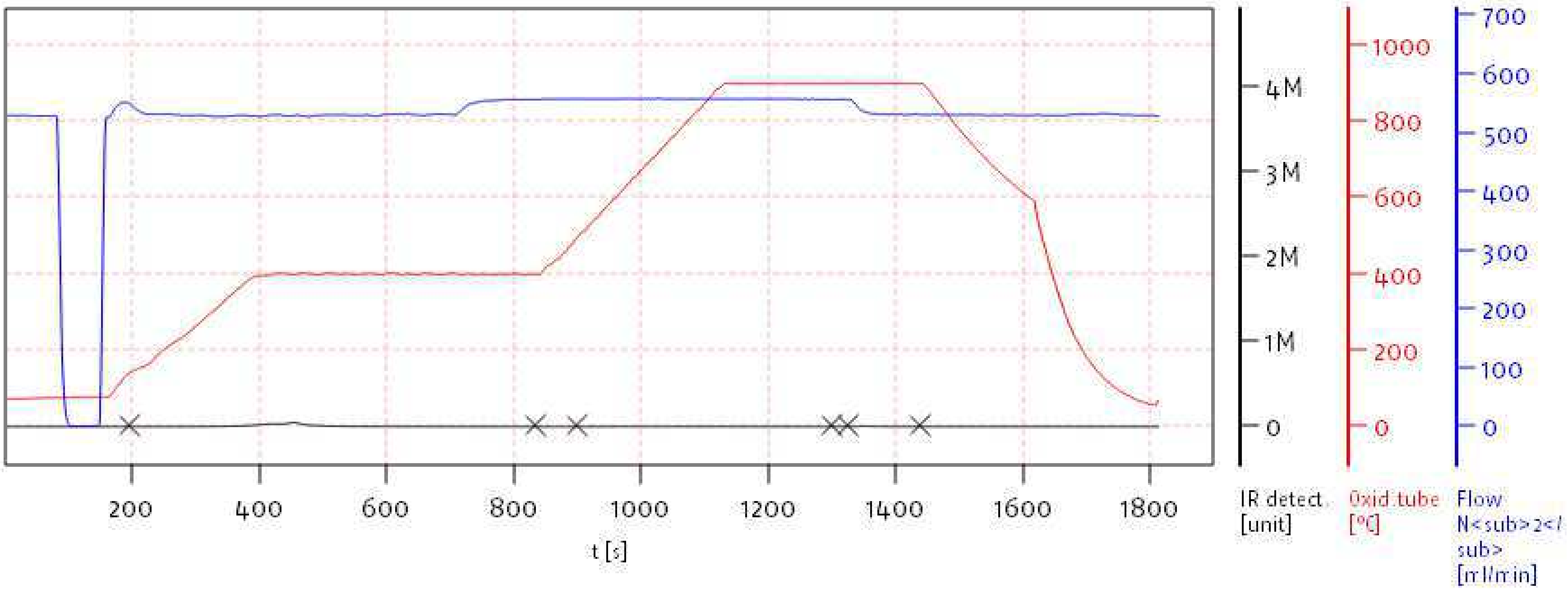
	Pos.	Name	Weight [mg]	Memo	Method	Date Time	Info	TOC [%]	TOC400 Area	TC [%]	ROC [%]	ROC Area	TIC900 Area	TOC400 [%]	TIC900 [%]	TOC400 Factor	TIC900 Factor
34	34	22L0473-03	518.70		CARBON	12/29/2022 7:12 AM	bl	0.036	150 749	0.036	0.000	6 582	10 982	0.036	0.000	0.9594	1.0000



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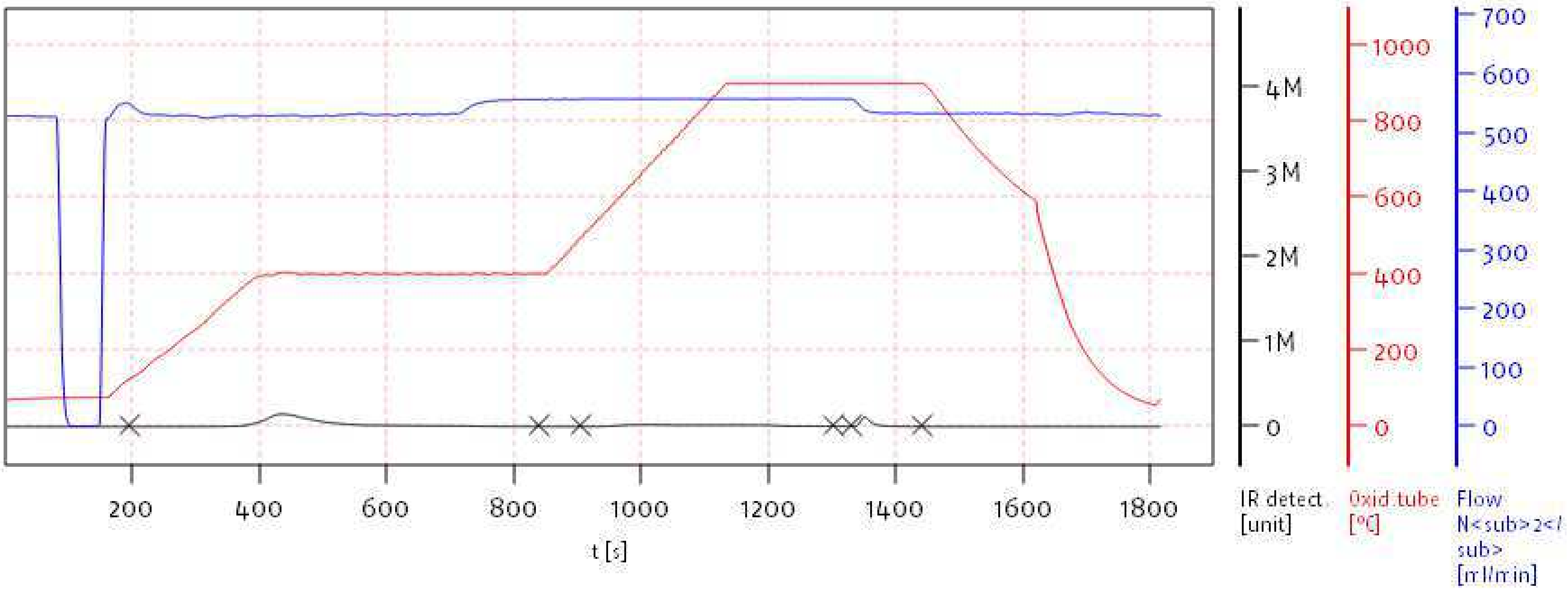
Date: Tue Jan 3 07:07:46 2023

soliTOC V2.0.2 (31015f9) 2018-11-19
Serial No: 0300.181017
Mode CCC

Document: 122822 DOE from: 1/3/2023 7:07 AM

Soli TOC Cube, Carbon
Balance: BAL3
Analyst: DOE

	Pos.	Name	Weight [mg]	Memo	Method	Date Time	Info	TOC [%]	TOC400 Area	TC [%]	ROC [%]	ROC Area	TIC900 Area	TOC400 [%]	TIC900 [%]	TOC400 Factor	TIC900 Factor
35	35	22L0473-04	510.20		CARBON	12/29/2022 7:43 AM	bl	0.188	608 799	0.243	0.019	88 153	205 537	0.170	0.054	0.9594	1.0000



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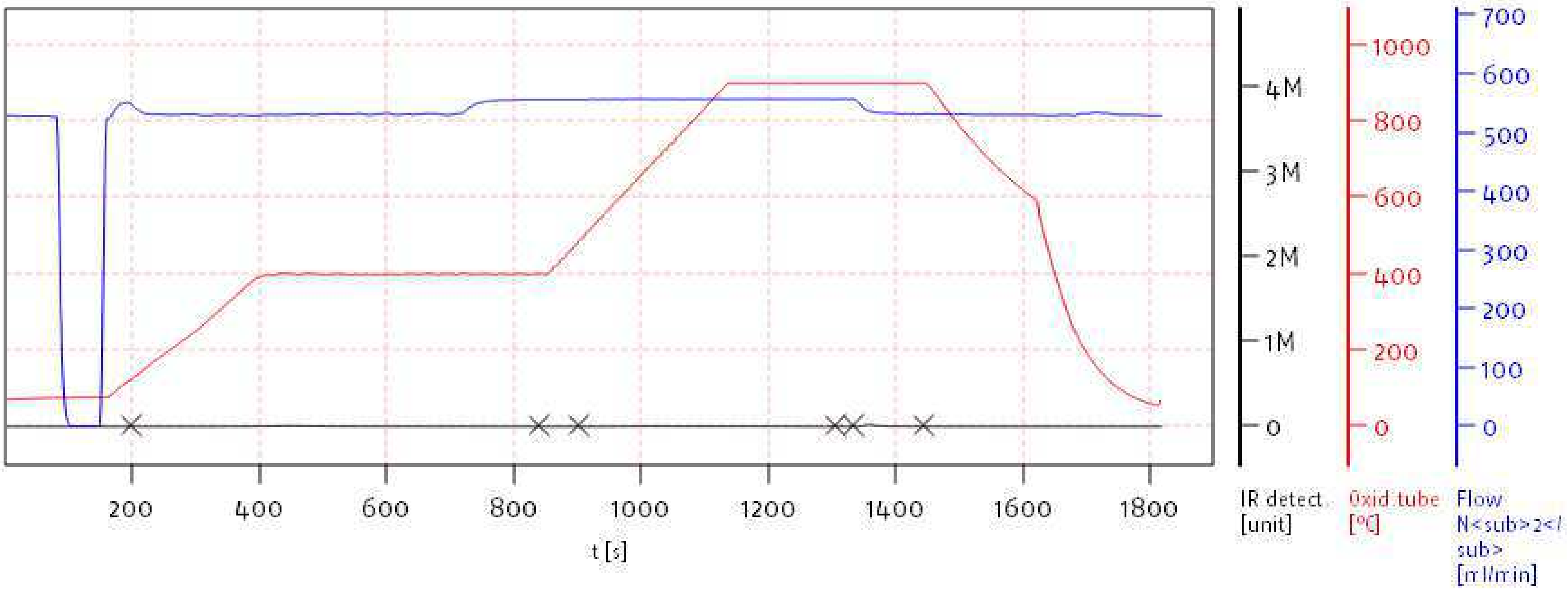
EXCELLENCE IN ELEMENTS

Soli TOC Cube, Carbon
Balance: BAL3
Analyst: DOE

	Pos.	Name	Weight [mg]	Memo	Method	Date Time	Info	TOC [%]	TOC400 Area	TC [%]	ROC [%]	ROC Area	TIC900 Area	TOC400 [%]	TIC900 [%]	TOC400 Factor	TIC900 Factor
36	36	22L0473-05	580.50		CARBON	12/29/2022 8:14 AM	bl	0.005	45 087	0.006	0.000	22 282	29 927	0.005	0.001	0.9594	1.0000



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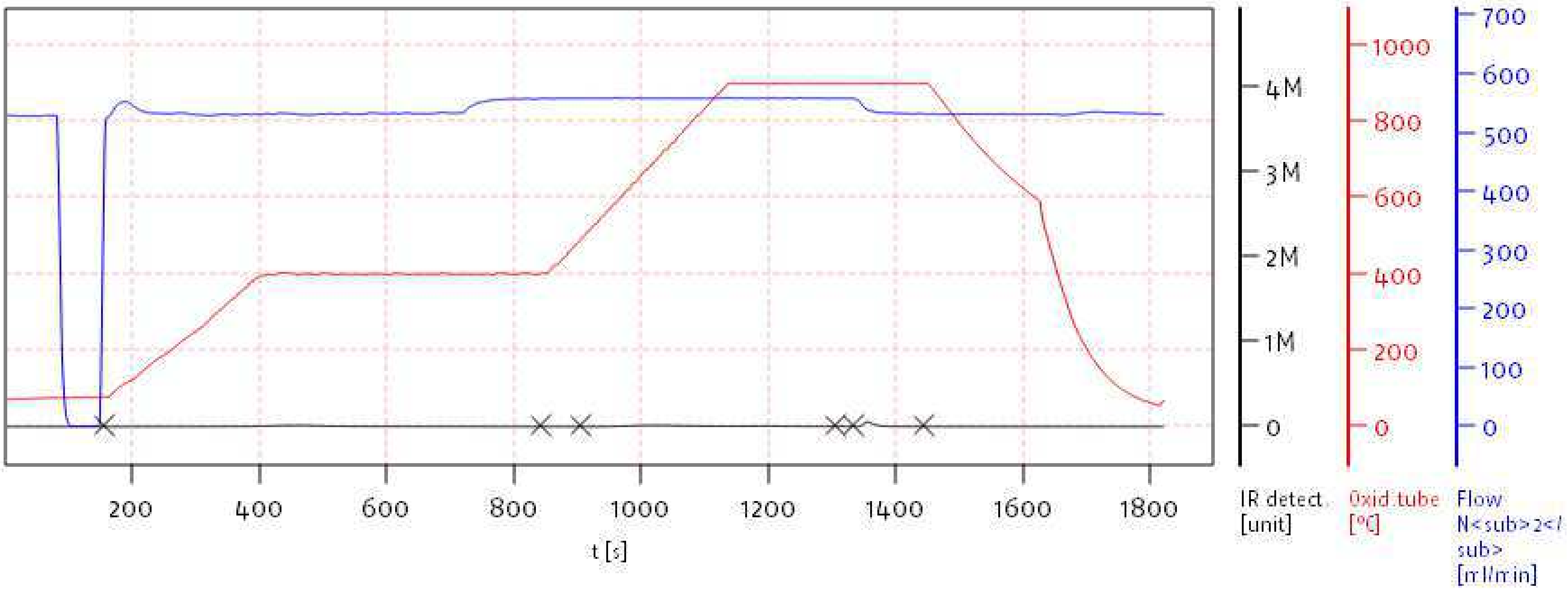
Balance: BAL3
Analyst: DOE

	Pos.	Name	Weight [mg]	Memo	Method	Date Time	Info	TOC [%]	TOC400 Area	TC [%]	ROC [%]	ROC Area	TIC900 Area	TOC400 [%]	TIC900 [%]	TOC400 Factor	TIC900 Factor
37	37	22L0473-06	510.20		CARBON	12/29/2022 8:44 AM	bl	0.021	81 154	0.043	0.006	44 751	97 425	0.016	0.022	0.9594	1.0000



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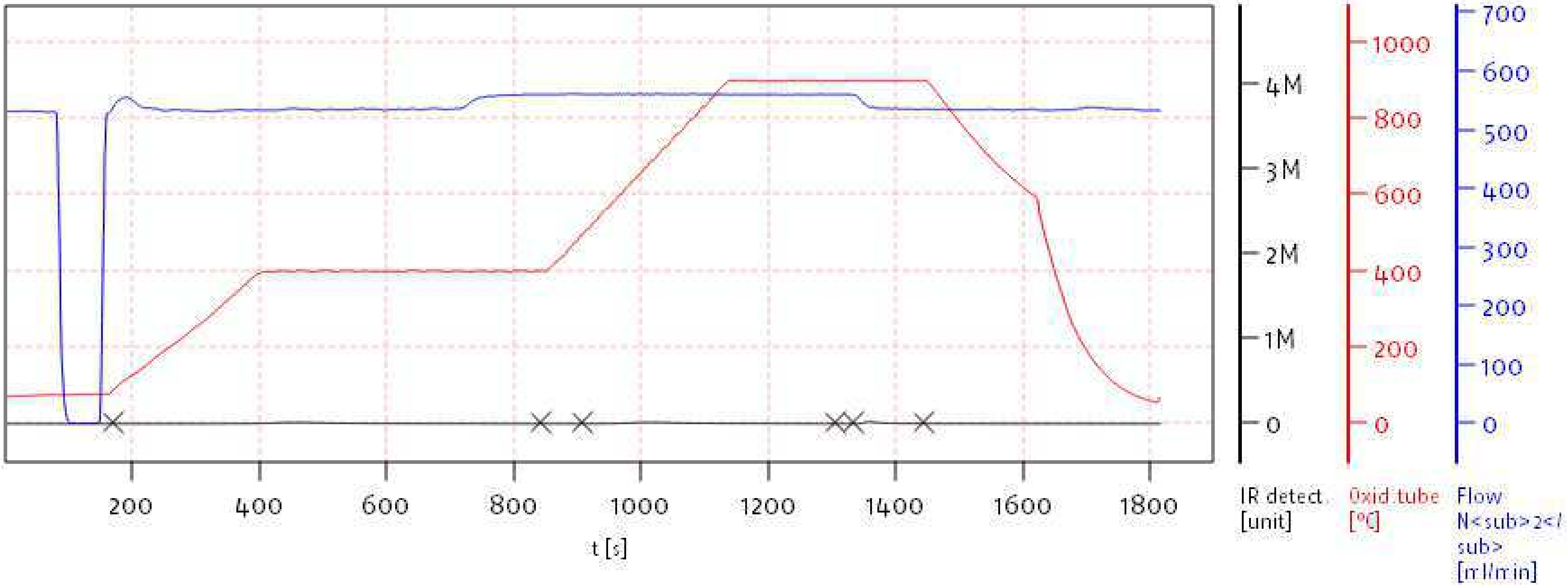
	Pos.	Name	Weight [mg]	Memo	Method	Date Time	Info	TOC [%]	TOC400 Area	TC [%]	ROC [%]	ROC Area	TIC900 Area	TOC400 [%]	TIC900 [%]	TOC400 Factor	TIC900 Factor
38	38	22L0473-07	539.20		CARBON	12/29/2022 9:15 AM	bl	0.015	79 645	0.027	0.000	27 321	70 453	0.015	0.013	0.9594	1.0000



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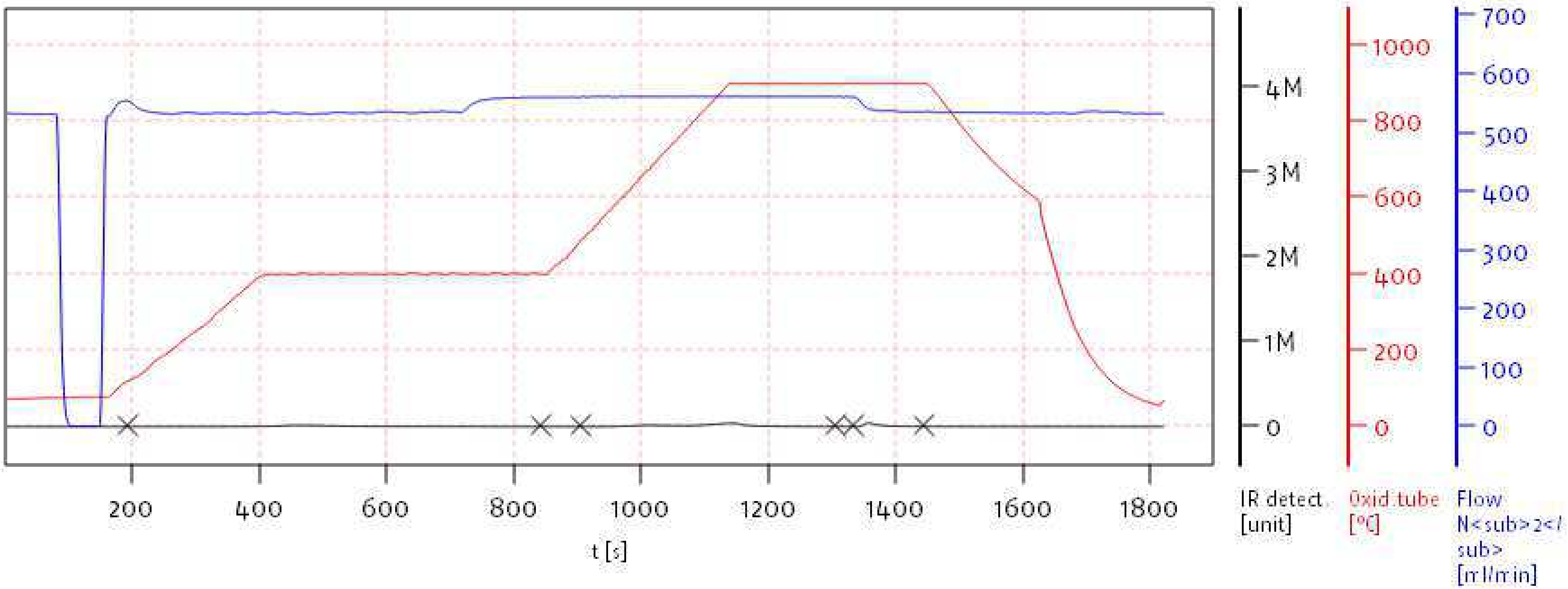
Date: Tue Jan 3 07:07:46 2023

soliTOC V2.0.2 (31015f9) 2018-11-19
Serial No: 0300.181017
Mode CCC

Document: 122822 DOE from: 1/3/2023 7:07 AM

Soli TOC Cube, Carbon
Balance: BAL3
Analyst: DOE

	Pos.	Name	Weight [mg]	Memo	Method	Date Time	Info	TOC [%]	TOC400 Area	TC [%]	ROC [%]	ROC Area	TIC900 Area	TOC400 [%]	TIC900 [%]	TOC400 Factor	TIC900 Factor
39	39	22L0473-08	656.50		CARBON	12/29/2022 9:46 AM	bl	0.018	82 729	0.049	0.005	47 366	160 533	0.013	0.032	0.9594	1.0000



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soliTOC V2.0.2 (31015f9) 2018-11-19
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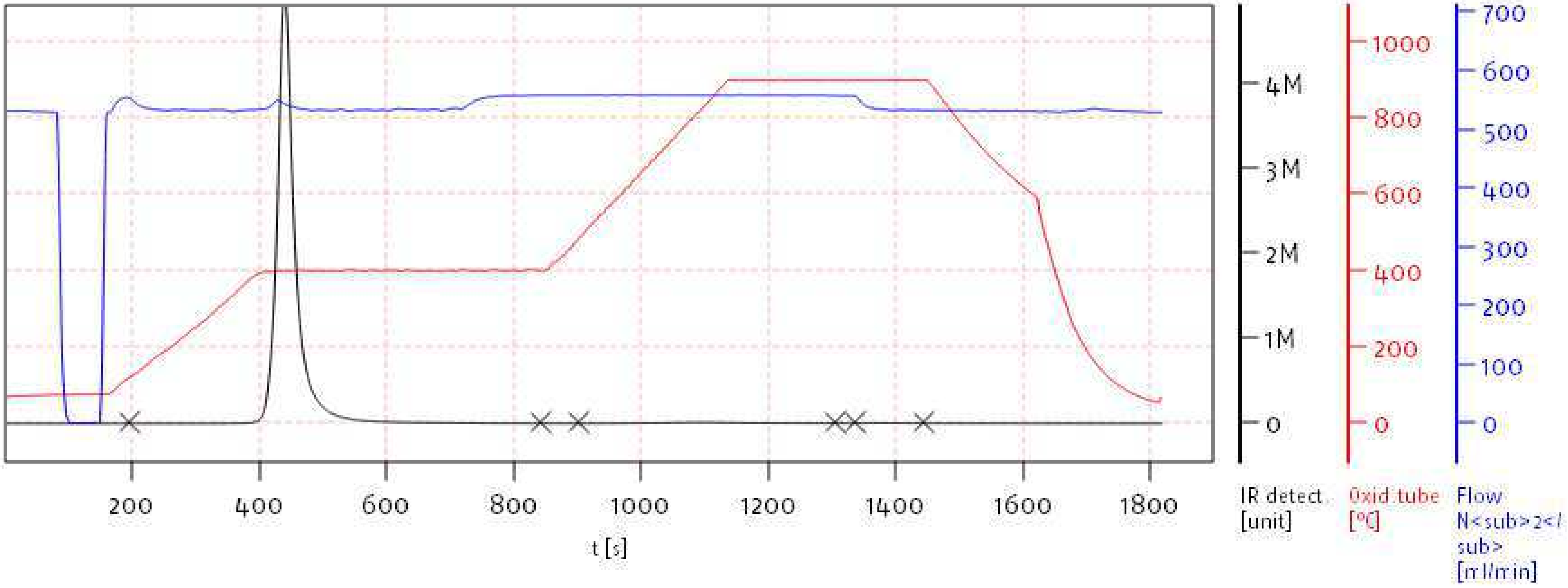
Mode CCC

elementar
EXCELLENCE IN ELEMENTS

Soli TOC Cube, Carbon
Balance: BAL3
Analyst: DOE

	Pos.	Name	Weight [mg]	Memo	Method	Date Time	Info	TOC [%]	TOC400 Area	TC [%]	ROC [%]	ROC Area	TIC900 Area	TOC400 [%]	TIC900 [%]	TOC400 Factor	TIC900 Factor
40	40	SKL0336-CCV3	20.70		CARBON	12/29/2022 10:16 AM	bl	44.803	6 270 918	45.289	0.000	19 363	91 414	44.803	0.485	0.9594	1.0000



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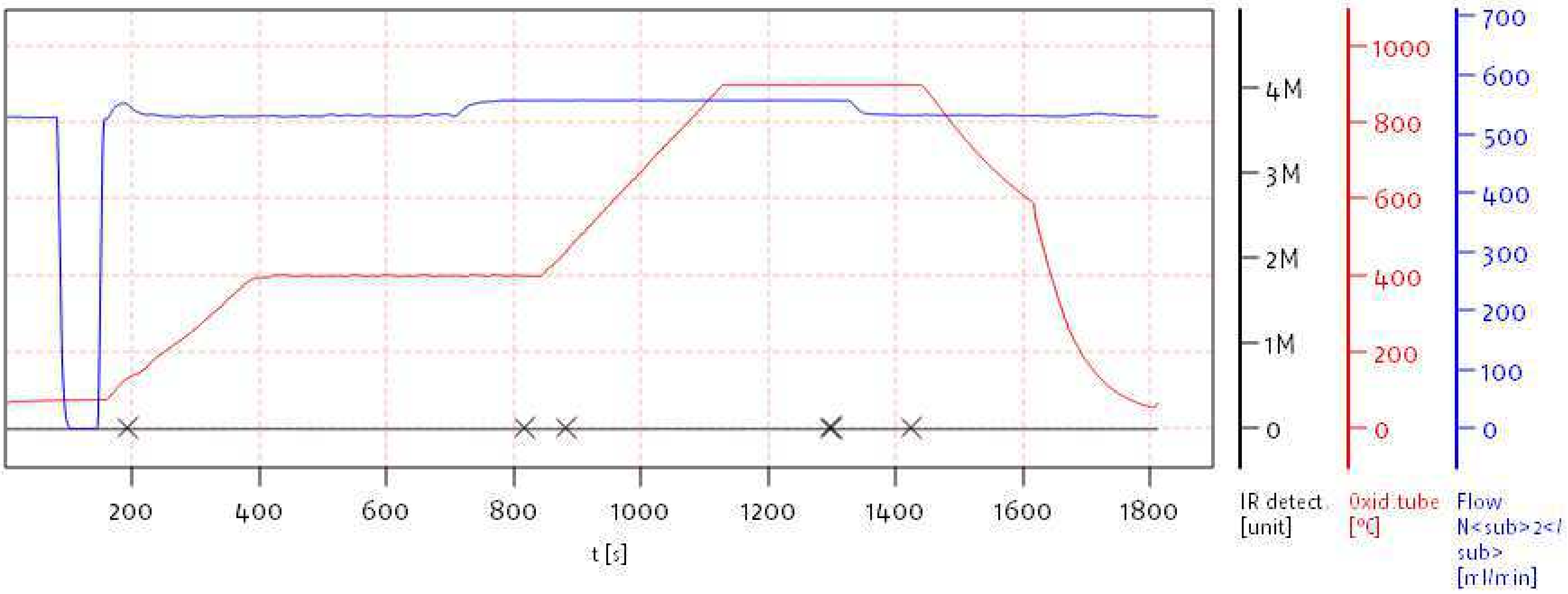
Access: soliTOC superuser

Date: Tue Jan 3 07:07:46 2023

soliTOC V2.0.2 (31015f9) 2018-11-19
Serial No: 0300.181017
Mode CCC

Soli TOC Cube, Carbon
Balance: BAL3
Analyst: DOE

	Pos.	Name	Weight [mg]	Memo	Method	Date Time	Info	TOC [%]	TOC400 Area	TC [%]	ROC [%]	ROC Area	TIC900 Area	TOC400 [%]	TIC900 [%]	TOC400 Factor	TIC900 Factor
41	41	SKL0336-CCB3	510.40		CARBON	12/29/2022 10:47 AM	bl,C2u	0.000	8 103	0.000	0.000	1 725	9 839	0.000	0.000	0.9594	1.0000



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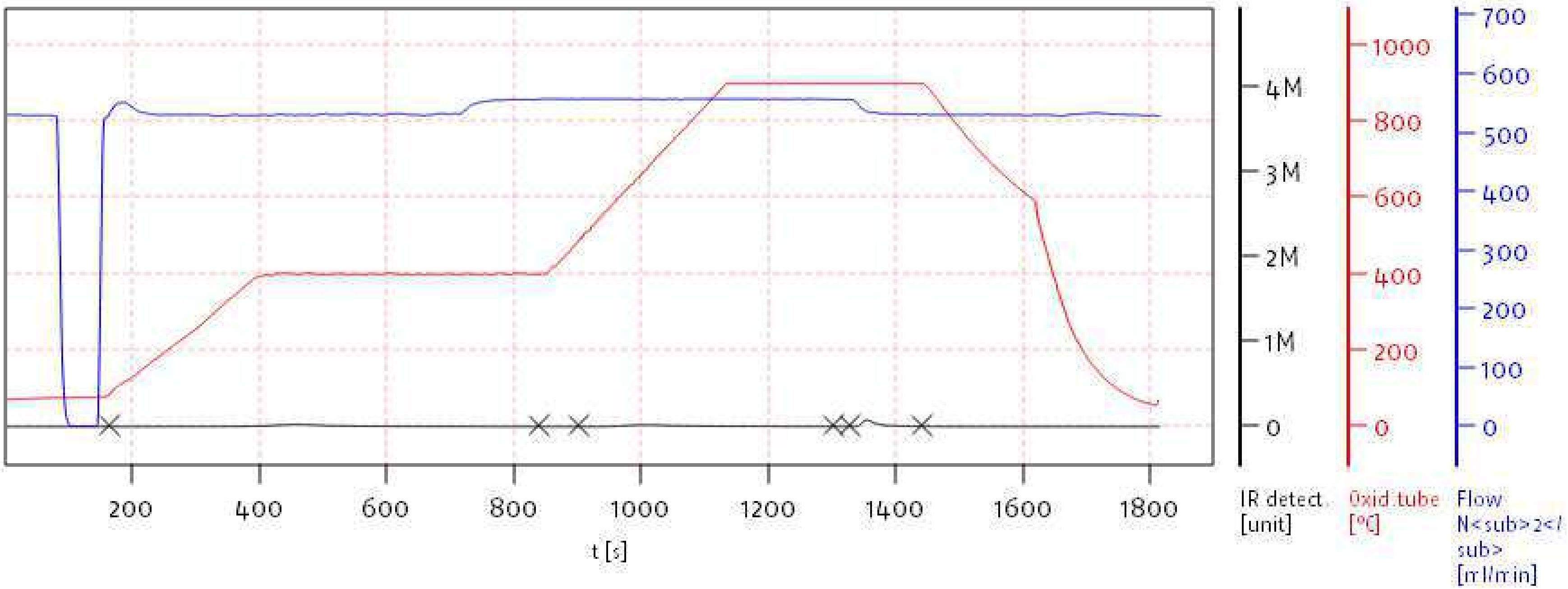
soliTOC V2.0.2 (31015f9) 2018-11-19
Serial No: 0300.181017
Mode CCC

elementar
EXCELLENCE IN ELEMENTS

Soli TOC Cube, Carbon
Balance: BAL3
Analyst: DOE

	Pos.	Name	Weight [mg]	Memo	Method	Date Time	Info	TOC [%]	TOC400 Area	TC [%]	ROC [%]	ROC Area	TIC900 Area	TOC400 [%]	TIC900 [%]	TOC400 Factor	TIC900 Factor
42	42	22L0473-09	660.10		CARBON	12/29/2022 11:18 AM	bl	0.037	129 314	0.053	0.014	84 922	96 508	0.023	0.016	0.9594	1.0000



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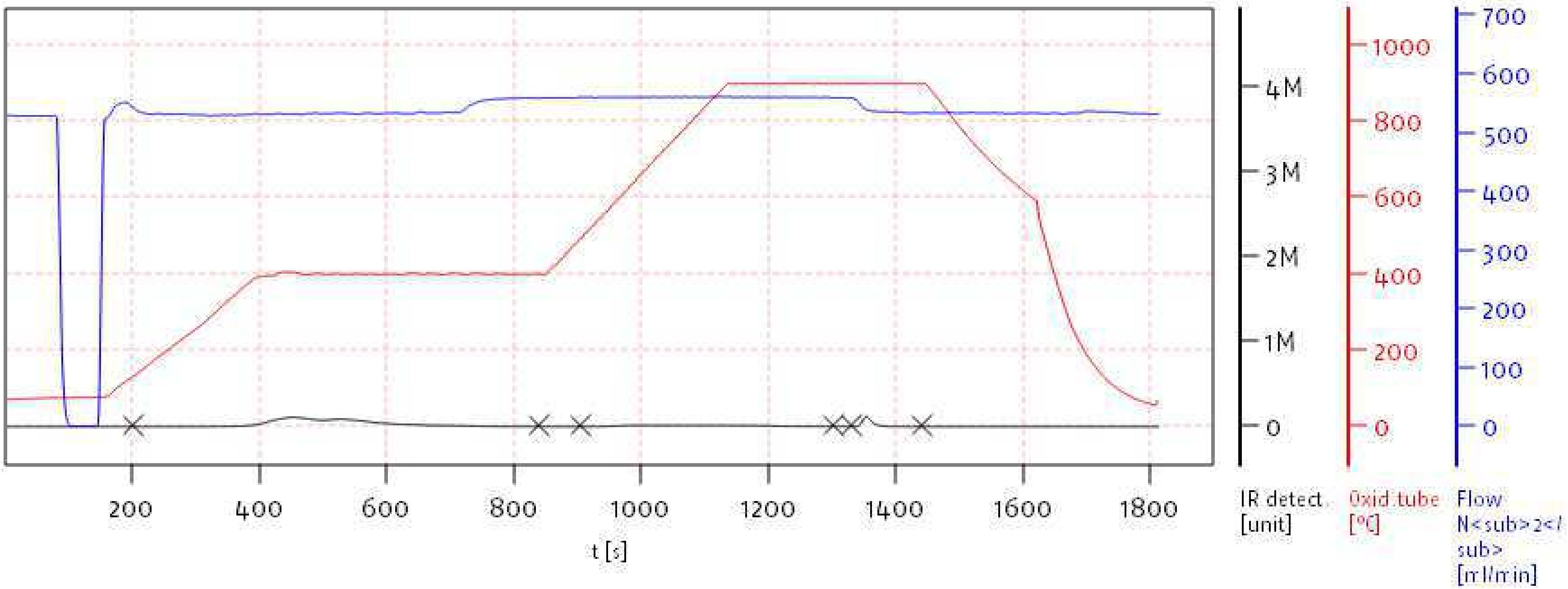
Serial No: 0300.181017
Mode CCC

Soli TOC Cube, Carbon
Balance: BAL3
Analyst: DOE

	Pos.	Name	Weight [mg]	Memo	Method	Date Time	Info	TOC [%]	TOC400 Area	TC [%]	ROC [%]	ROC Area	TIC900 Area	TOC400 [%]	TIC900 [%]	TOC400 Factor	TIC900 Factor
43	43	22L0473-10	532.20		CARBON	12/29/2022 11:48 AM	bl	0.206	705 498	0.238	0.016	82 130	137 333	0.189	0.032	0.9594	1.0000



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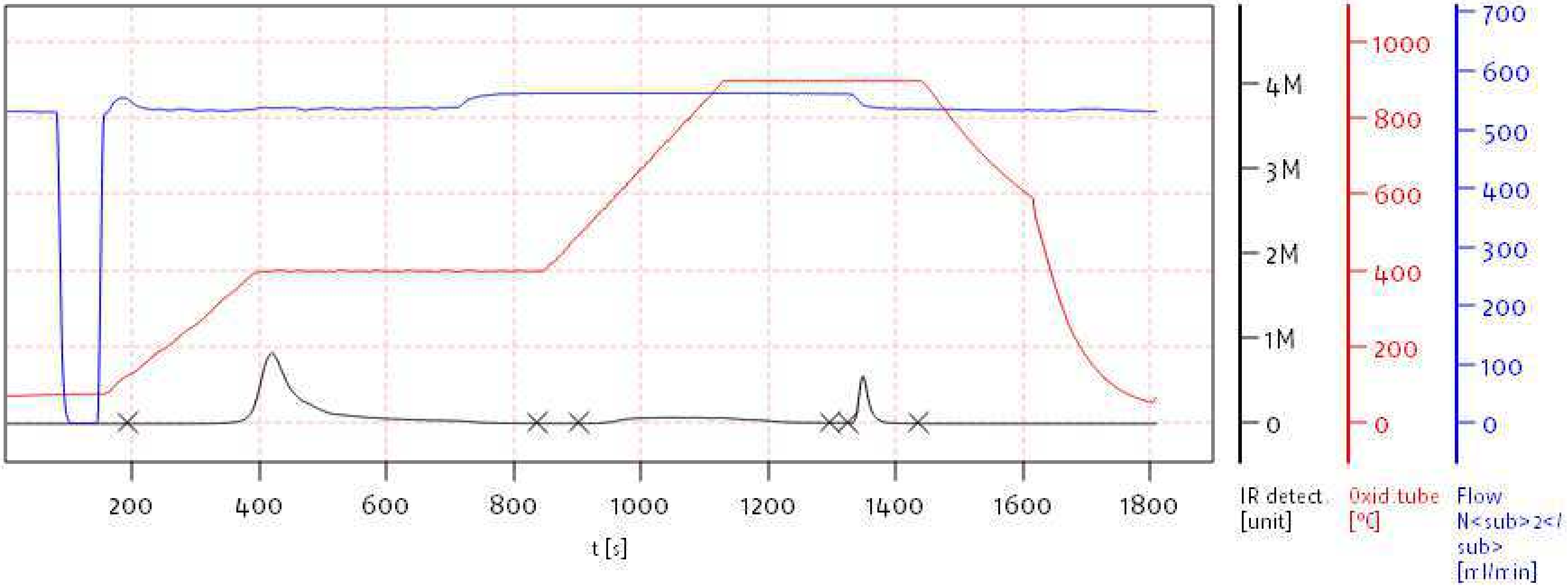
Serial No: 0300.181017
Mode CCC

Soli TOC Cube, Carbon
Balance: BAL3
Analyst: DOE

	Pos.	Name	Weight [mg]	Memo	Method	Date Time	Info	TOC [%]	TOC400 Area	TC [%]	ROC [%]	ROC Area	TIC900 Area	TOC400 [%]	TIC900 [%]	TOC400 Factor	TIC900 Factor
44	44	22L0473-11	518.70		CARBON	12/29/2022 12:19 PM	bl	0.809	2 467 152	0.990	0.110	395 819	632 832	0.699	0.181	0.9594	1.0000



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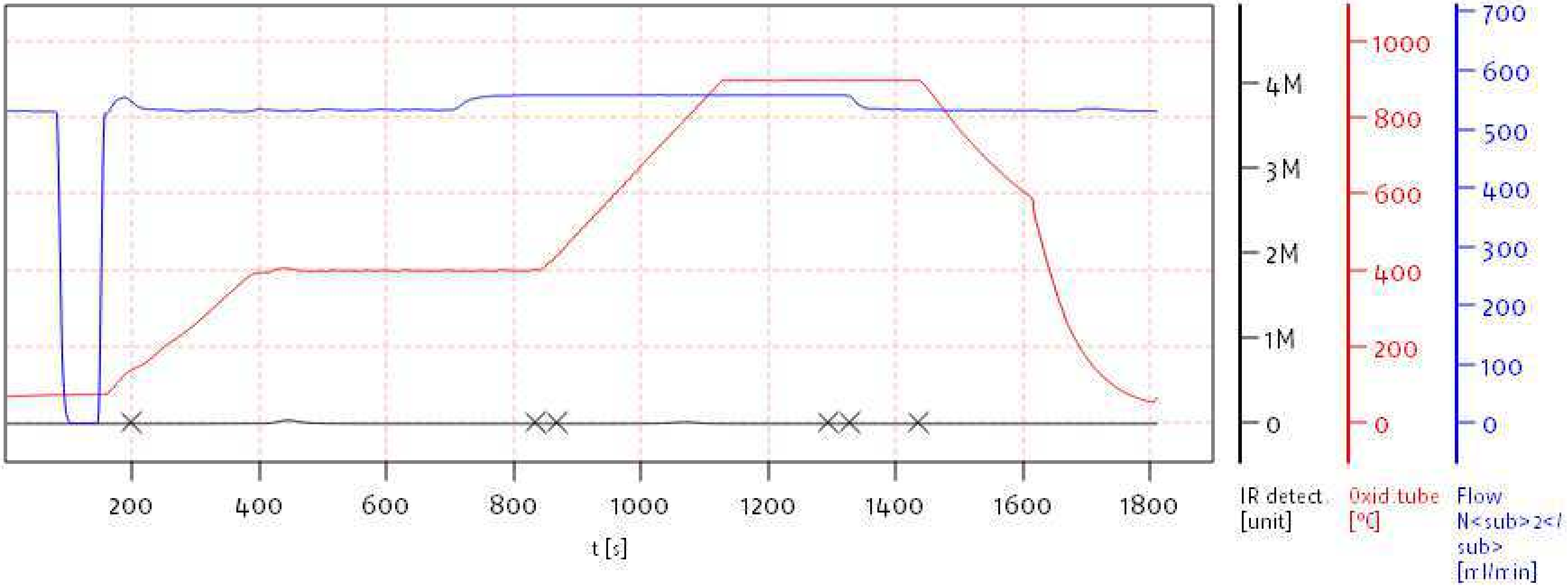
Mode CCC

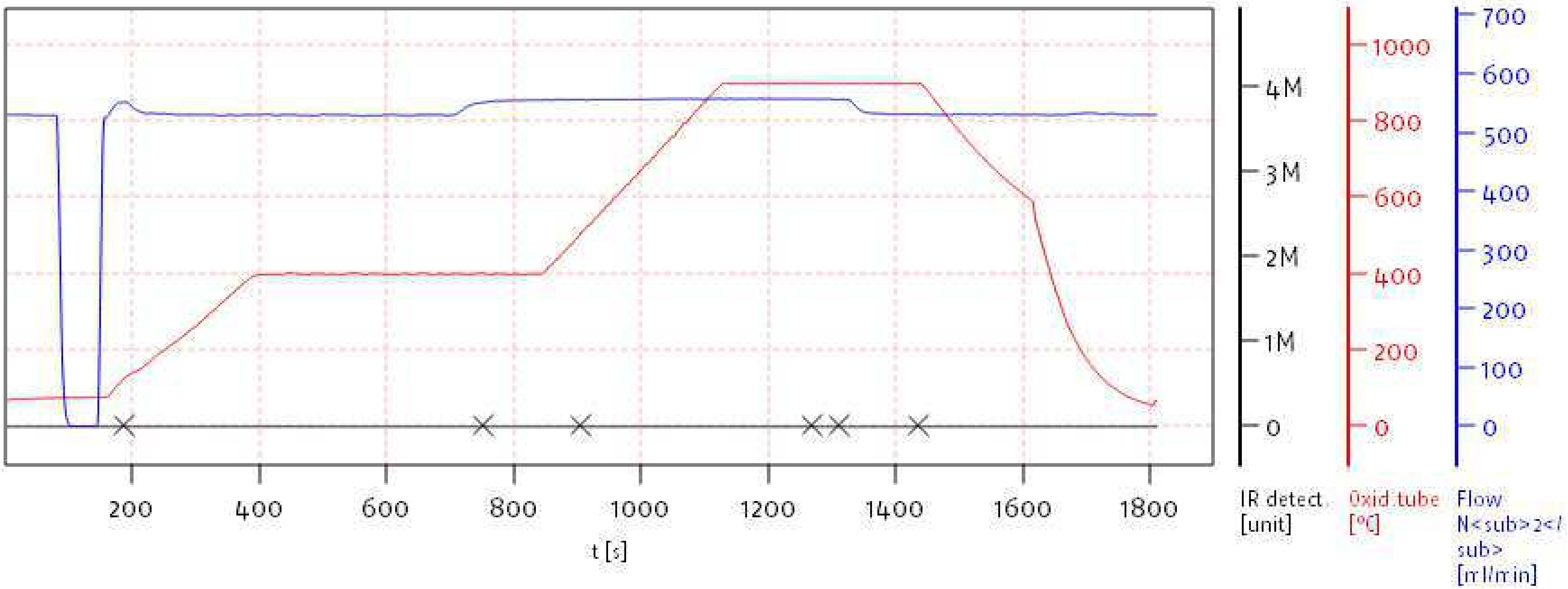
Soli TOC Cube, Carbon
Balance: BAL3
Analyst: DOE

	Pos.	Name	Weight [mg]	Memo	Method	Date Time	Info	TOC [%]	TOC400 Area	TC [%]	ROC [%]	ROC Area	TIC900 Area	TOC400 [%]	TIC900 [%]	TOC400 Factor	TIC900 Factor
45	45	BKL0599-MRL1	542.10		CARBON	12/29/2022 12:49 PM	bl,C2u	0.014	77 667	0.017	0.000	223	38 532	0.014	0.003	0.9594	1.0000



Soli TOC Cube, Carbon
Balance: BAL3
Analyst: DOE

	Pos.	Name	Weight [mg]	Memo	Method	Date Time	Info	TOC [%]	TOC400 Area	TC [%]	ROC [%]	ROC Area	TIC900 Area	TOC400 [%]	TIC900 [%]	TOC400 Factor	TIC900 Factor
46	46	BKL0599-BLK1	511.70		CARBON	12/29/2022 1:20 PM	bl,C3u,C2u	0.000	6 122	0.000	0.000	351	2 112	0.000	0.000	0.9594	1.0000



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soliTOC V2.0.2 (31015f9) 2018-11-19
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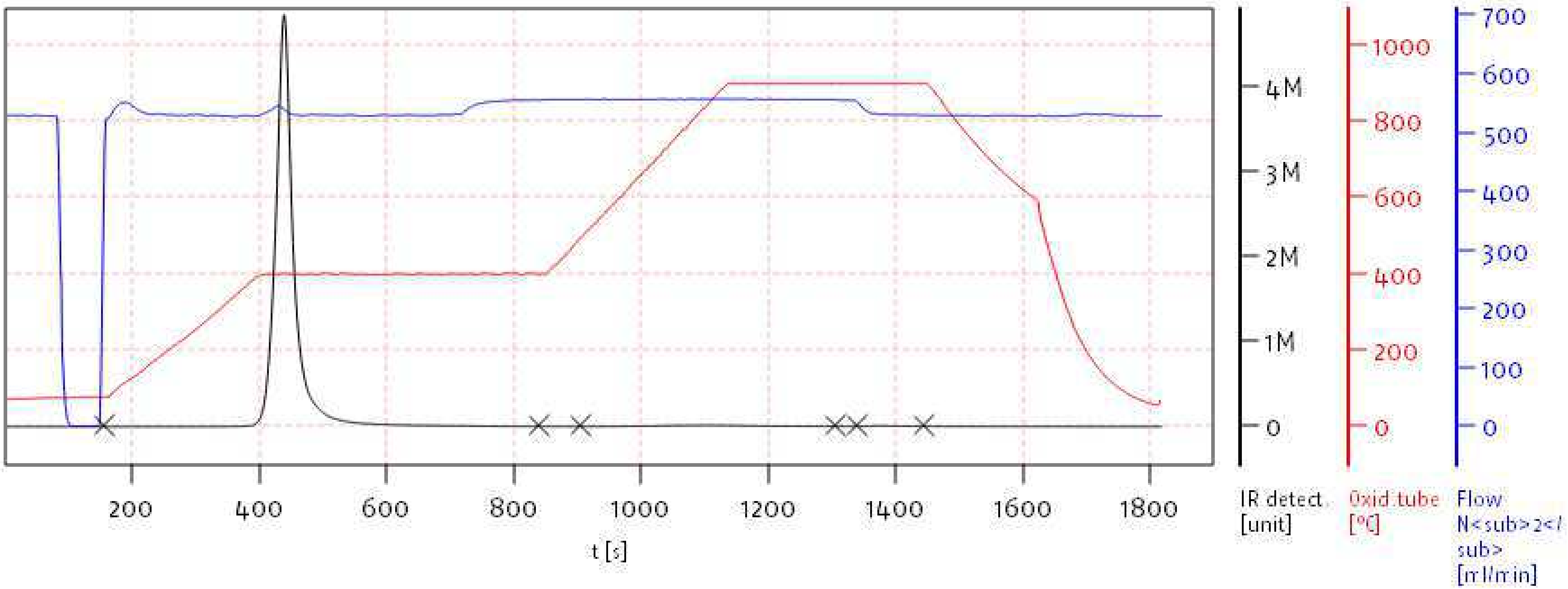
Mode CCC

elementar
EXCELLENCE IN ELEMENTS

Soli TOC Cube, Carbon
Balance: BAL3
Analyst: DOE

	Pos.	Name	Weight [mg]	Memo	Method	Date Time	Info	TOC [%]	TOC400 Area	TC [%]	ROC [%]	ROC Area	TIC900 Area	TOC400 [%]	TIC900 [%]	TOC400 Factor	TIC900 Factor
47	47	BKL0599-BS1	20.20		CARBON	12/29/2022 1:51 PM	bl	44.477	6 075 734	45.184	0.000	25 270	118 801	44.477	0.707	0.9594	1.0000



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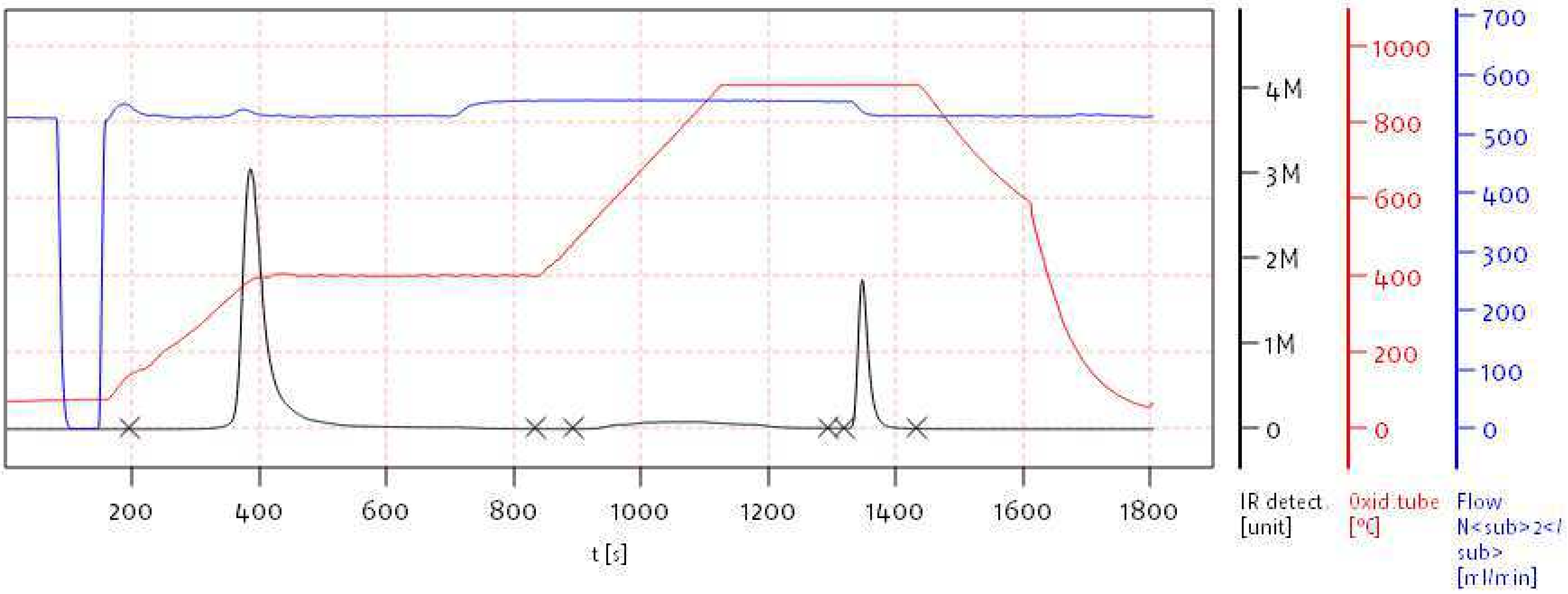
Serial No: 0300.181017
Mode CCC

Soli TOC Cube, Carbon
Balance: BAL3
Analyst: DOE

	Pos.	Name	Weight [mg]	Memo	Method	Date Time	Info	TOC [%]	TOC400 Area	TC [%]	ROC [%]	ROC Area	TIC900 Area	TOC400 [%]	TIC900 [%]	TOC400 Factor	TIC900 Factor
48	48	BKL0599-SRM1	305.50		CARBON	12/29/2022 2:21 PM	bl	3.038	4 961 714	3.387	0.638	1 286 356	716 864	2.399	0.350	0.9594	1.0000



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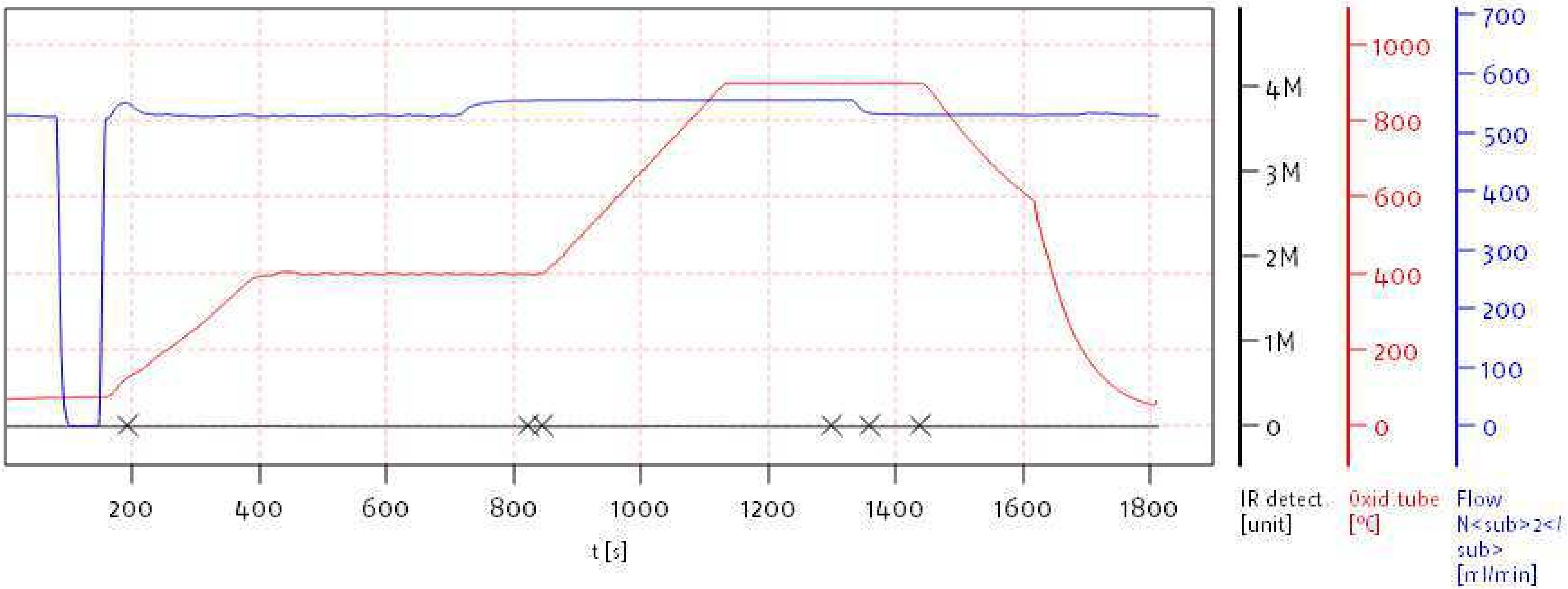
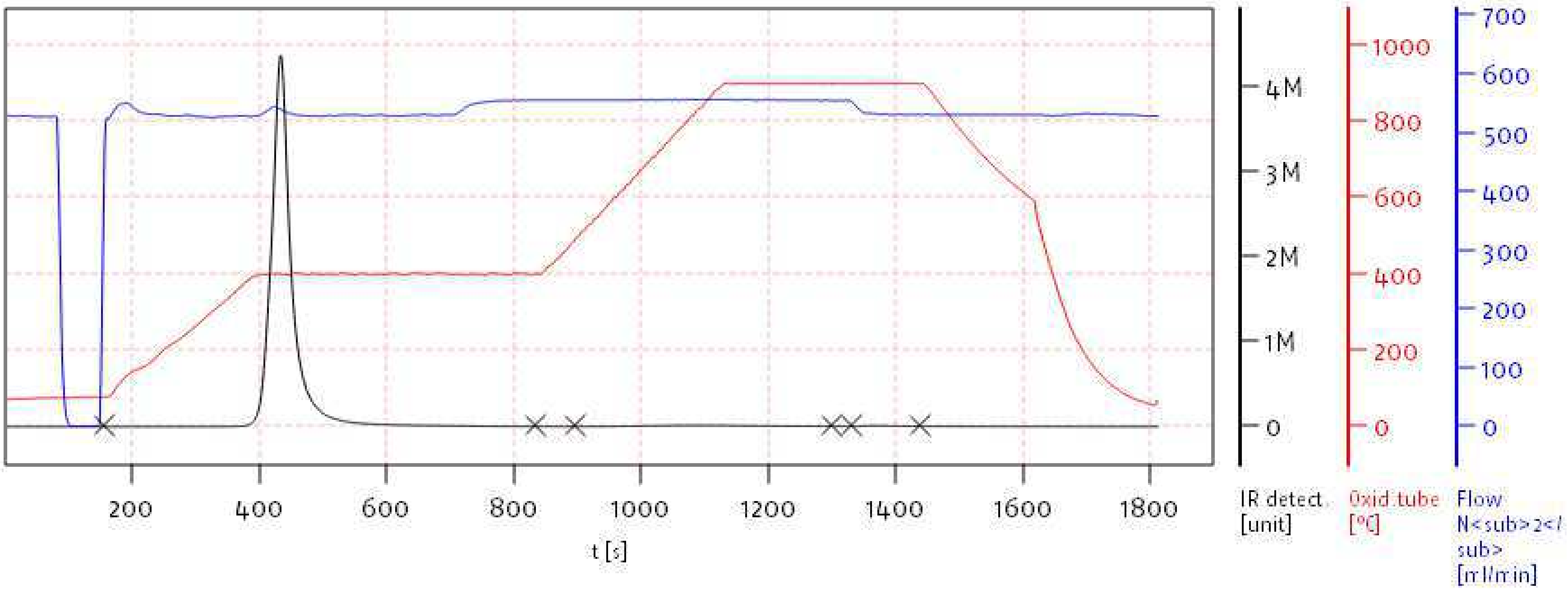
Soli TOC Cube, Carbon
Balance: BAL3
Analyst: DOE

	Pos.	Name	Weight [mg]	Memo	Method	Date Time	Info	TOC [%]	TOC400 Area	TC [%]	ROC [%]	ROC Area	TIC900 Area	TOC400 [%]	TIC900 [%]	TOC400 Factor	TIC900 Factor
49	49	BLANK	1.00		CARBON	12/29/2022 2:52 PM	bl	0.000	14 067	0.000	0.000	385	12 446	0.000	0.000	0.9594	1.0000



Soli TOC Cube, Carbon
Balance: BAL3
Analyst: DOE

	Pos.	Name	Weight [mg]	Memo	Method	Date Time	Info	TOC [%]	TOC400 Area	TC [%]	ROC [%]	ROC Area	TIC900 Area	TOC400 [%]	TIC900 [%]	TOC400 Factor	TIC900 Factor
50	50	Dfactor	20.30		CARBON	12/29/2022 3:22 PM	bl	44.488	6 071 553	45.253	0.042	32 074	126 811	44.446	0.765	0.9642	1.0000



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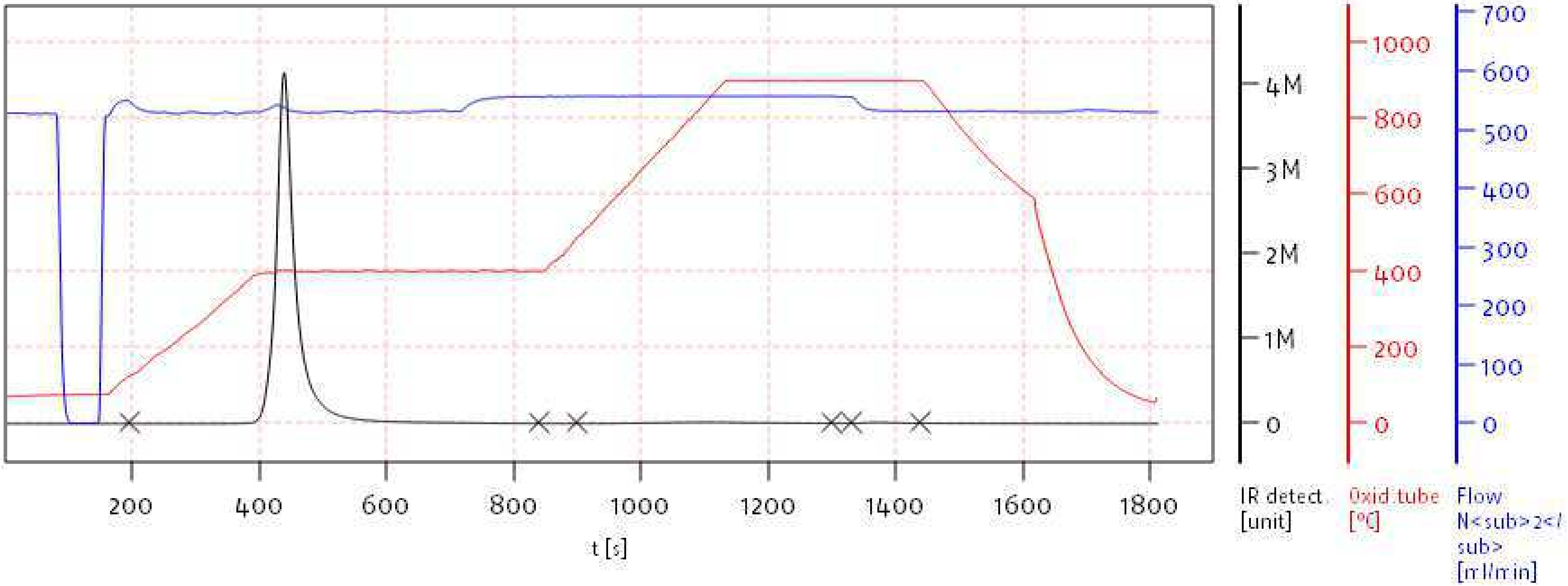
Soli TOC Cube, Carbon
Balance: BAL3
Analyst: DOE

	Pos.	Name	Weight [mg]	Memo	Method	Date Time	Info	TOC [%]	TOC400 Area	TC [%]	ROC [%]	ROC Area	TIC900 Area	TOC400 [%]	TIC900 [%]	TOC400 Factor	TIC900 Factor
51	51	Dfactor	19.40		CARBON	12/29/2022 3:53 PM	bl	44.532	5 648 968	45.396	0.086	37 352	134 792	44.446	0.864	0.9907	1.0000



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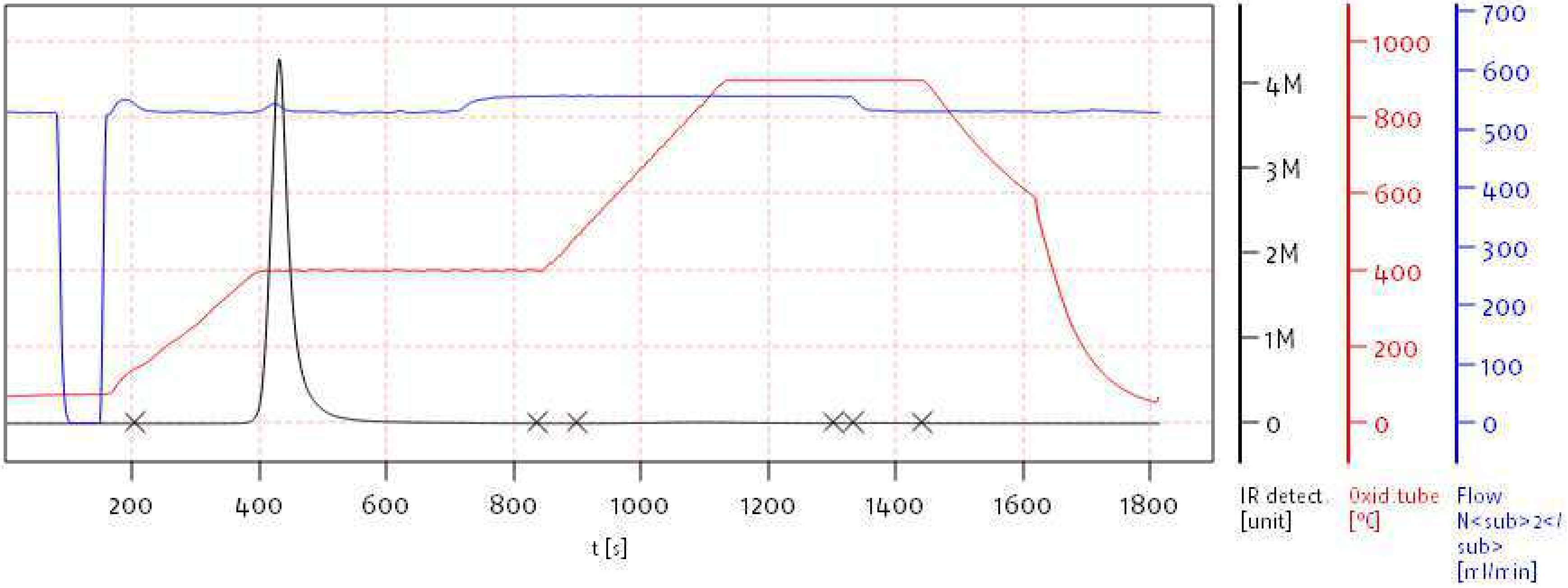
Soli TOC Cube, Carbon
Balance: BAL3
Analyst: DOE

	Pos.	Name	Weight [mg]	Memo	Method	Date Time	Info	TOC [%]	TOC400 Area	TC [%]	ROC [%]	ROC Area	TIC900 Area	TOC400 [%]	TIC900 [%]	TOC400 Factor	TIC900 Factor
52	52	SKL0336-CCV 4	19.90		CARBON	12/29/2022 4:24 PM	bl	45.486	6 008 854	46.126	0.000	19 204	108 821	45.486	0.640	0.9774	1.0000



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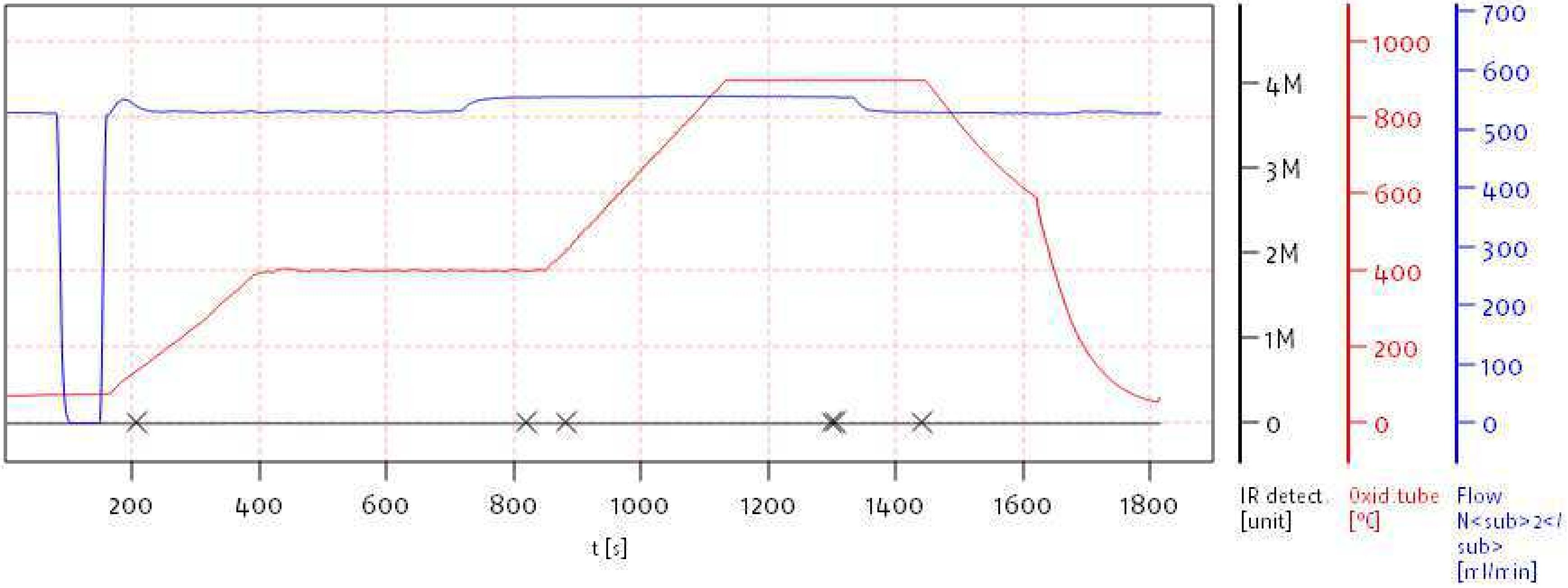
Balance: BAL3
Analyst: DOE

	Pos.	Name	Weight [mg]	Memo	Method	Date Time	Info	TOC [%]	TOC400 Area	TC [%]	ROC [%]	ROC Area	TIC900 Area	TOC400 [%]	TIC900 [%]	TOC400 Factor	TIC900 Factor
53	53	SKL0336-CCB4	515.10		CARBON	12/29/2022 4:54 PM	bl,C3u,C2u	0.000	8 905	0.000	0.000	1 135	209	0.000	0.000	0.9774	1.0000



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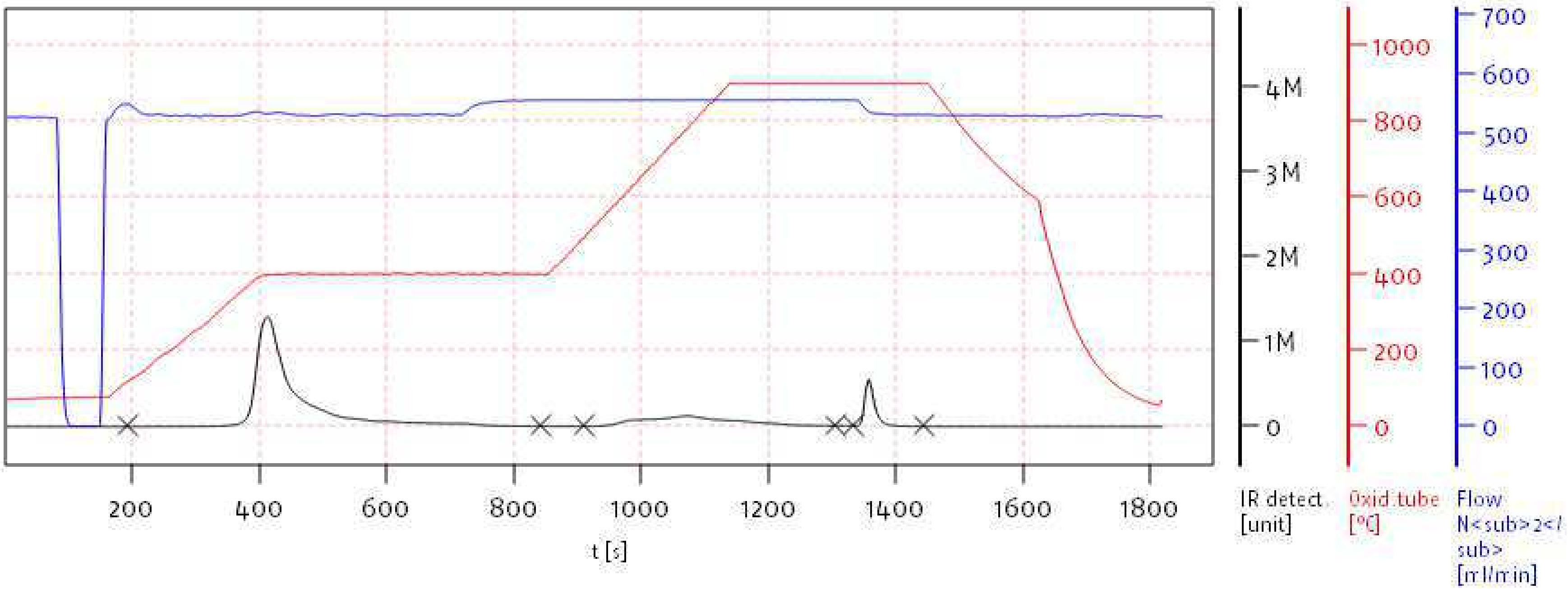
EXCELLENCE IN ELEMENTS

Soli TOC Cube, Carbon
Balance: BAL3
Analyst: DOE

	Pos.	Name	Weight [mg]	Memo	Method	Date Time	Info	TOC [%]	TOC400 Area	TC [%]	ROC [%]	ROC Area	TIC900 Area	TOC400 [%]	TIC900 [%]	TOC400 Factor	TIC900 Factor
54	54	22L0383-01	530.50		CARBON	12/29/2022 5:25 PM	bl	1.051	3 340 156	1.287	0.106	388 705	835 873	0.945	0.236	0.9774	1.0000



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Balance: BAL3
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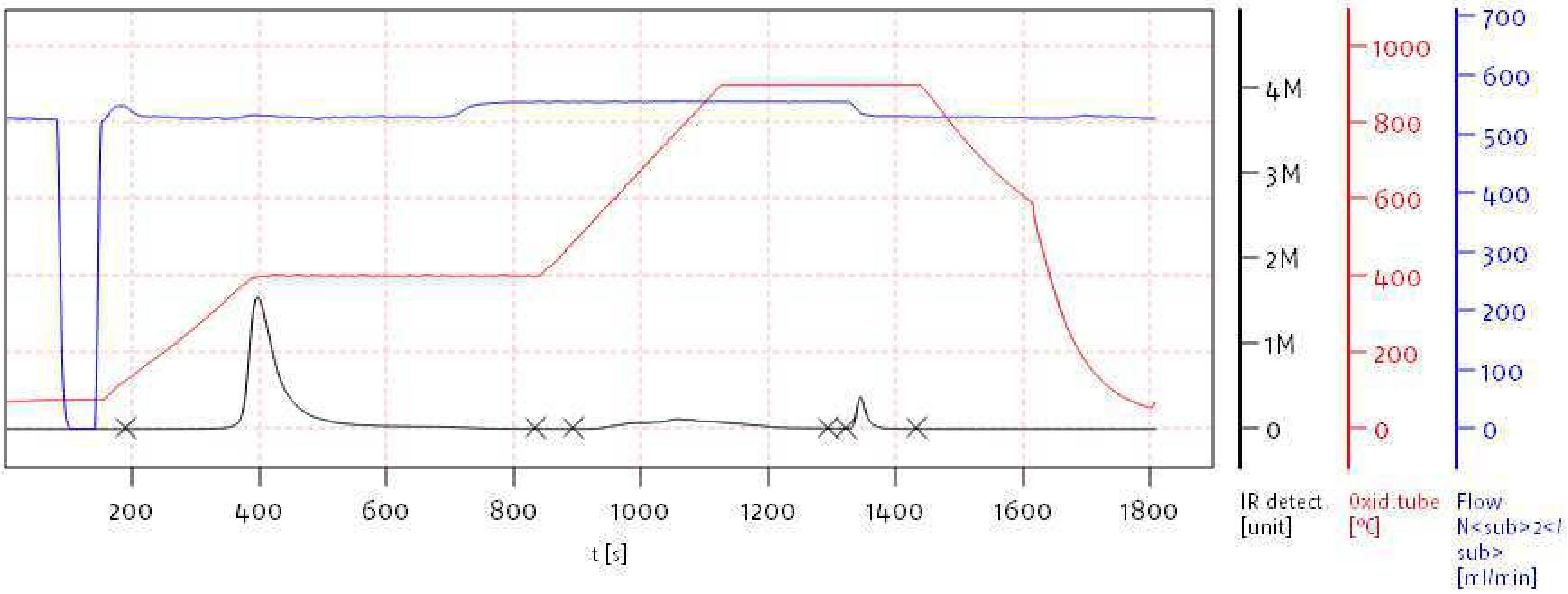
	Pos.	Name	Weight [mg]	Memo	Method	Date Time	Info	TOC [%]	TOC400 Area	TC [%]	ROC [%]	ROC Area	TIC900 Area	TOC400 [%]	TIC900 [%]	TOC400 Factor	TIC900 Factor
55	55	BKL0599-DUP1	526.90		CARBON	12/29/2022 5:56 PM	bl	1.054	3 447 169	1.279	0.072	270 814	793 040	0.982	0.225	0.9774	1.0000



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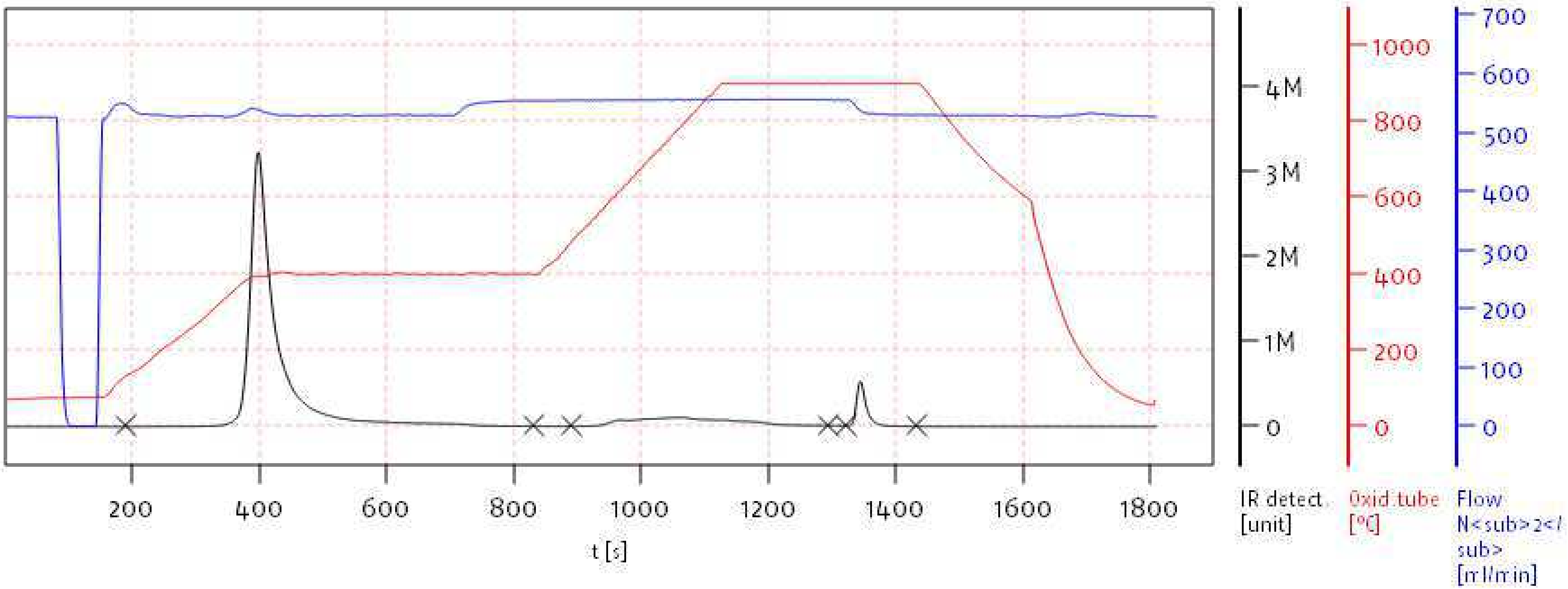
	Pos.	Name	Weight [mg]	Memo	Method	Date Time	Info	TOC [%]	TOC400 Area	TC [%]	ROC [%]	ROC Area	TIC900 Area	TOC400 [%]	TIC900 [%]	TOC400 Factor	TIC900 Factor
56	56	BKL0 599-MS1	514.40	0. 0077	CARBON	12/29/2022 6:26 PM	bl	1.761	5 663 480	2.005	0.103	368 136	837 398	1.658	0.244	0.9774	1.0000



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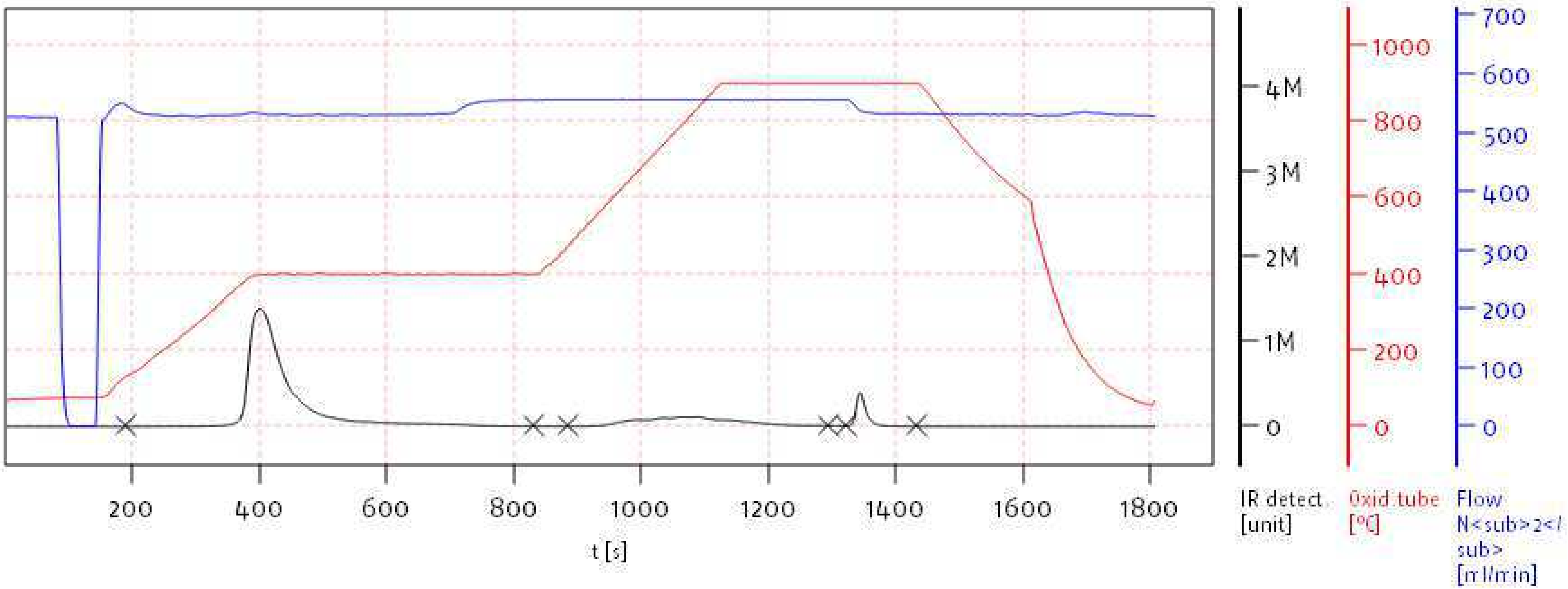
EXCELLENCE IN ELEMENTS

Soli TOC Cube, Carbon
Balance: BAL3
Analyst: DOE

	Pos.	Name	Weight [mg]	Memo	Method	Date Time	Info	TOC [%]	TOC400 Area	TC [%]	ROC [%]	ROC Area	TIC900 Area	TOC400 [%]	TIC900 [%]	TOC400 Factor	TIC900 Factor
57	57	22L0383-02	514.70		CARBON	12/29/2022 6:57 PM	bl	1.141	3 645 618	1.376	0.077	283 261	808 295	1.064	0.235	0.9774	1.0000



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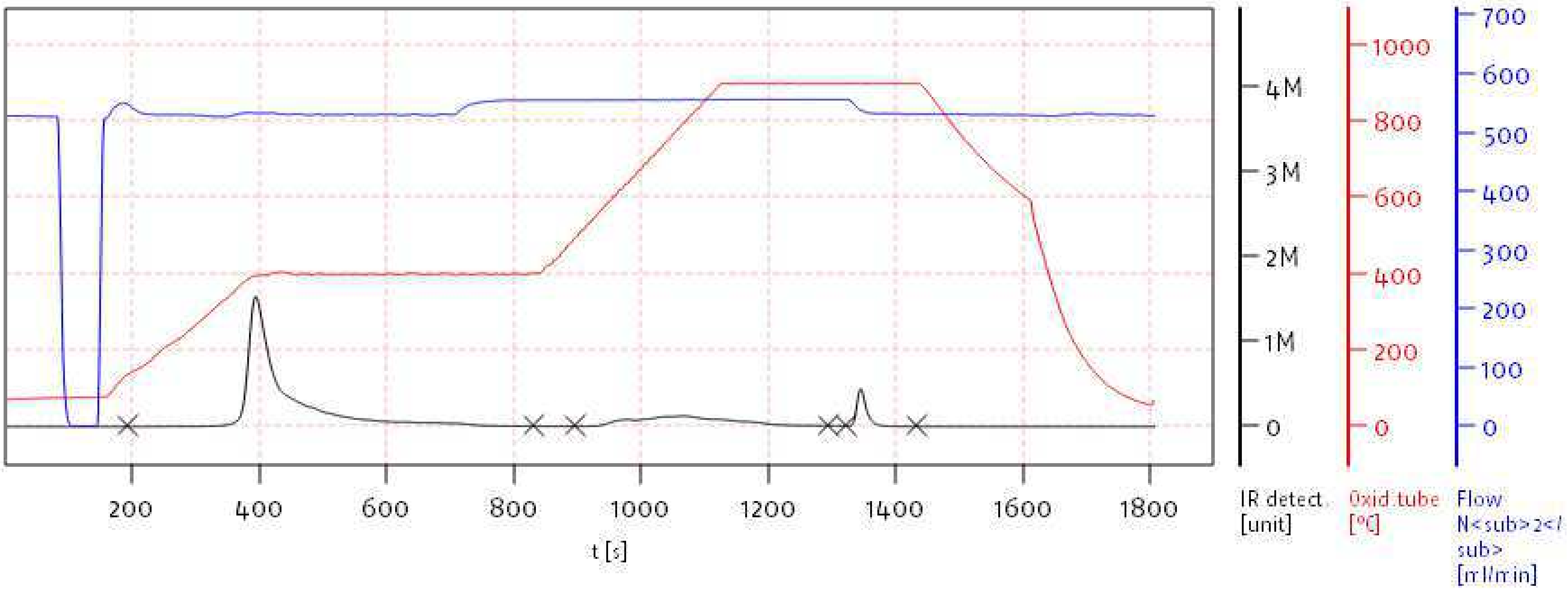
	Pos.	Name	Weight [mg]	Memo	Method	Date Time	Info	TOC [%]	TOC400 Area	TC [%]	ROC [%]	ROC Area	TIC900 Area	TOC400 [%]	TIC900 [%]	TOC400 Factor	TIC900 Factor
58	58	22L0383-03	521.30		CARBON	12/29/2022 7:27 PM	bl	1.085	3 485 611	1.339	0.081	300 520	879 129	1.004	0.253	0.9774	1.0000



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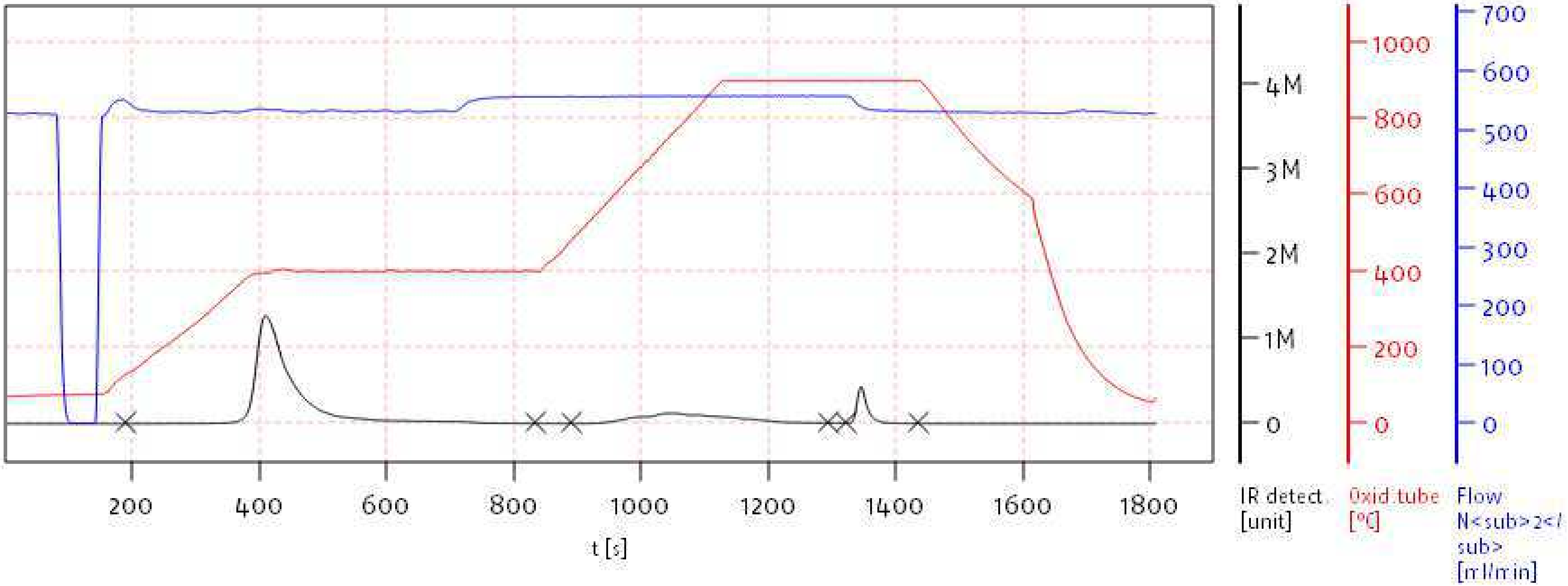
	Pos.	Name	Weight [mg]	Memo	Method	Date Time	Info	TOC [%]	TOC400 Area	TC [%]	ROC [%]	ROC Area	TIC900 Area	TOC400 [%]	TIC900 [%]	TOC400 Factor	TIC900 Factor
59	59	22L0383-04	533.60		CARBON	12/29/2022 7:58 PM	bl	0.977	3 174 085	1.204	0.085	317 850	808 806	0.893	0.227	0.9774	1.0000



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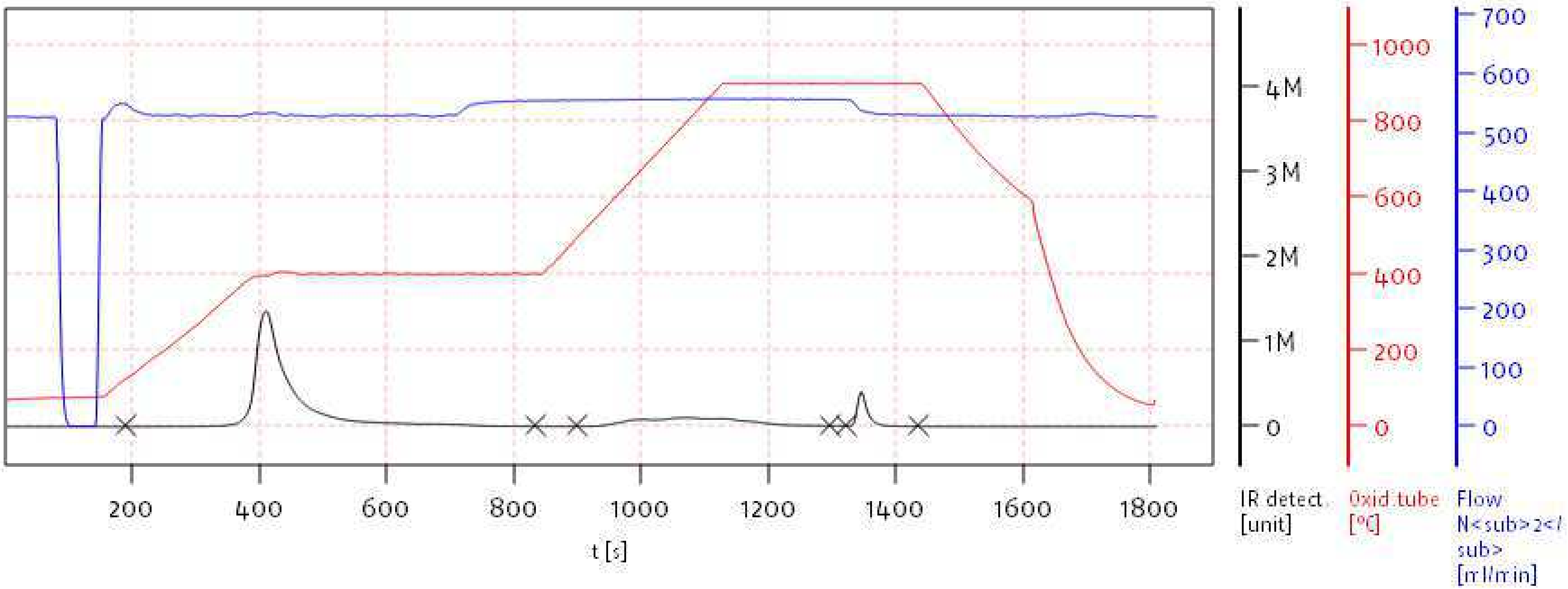
	Pos.	Name	Weight [mg]	Memo	Method	Date Time	Info	TOC [%]	TOC400 Area	TC [%]	ROC [%]	ROC Area	TIC900 Area	TOC400 [%]	TIC900 [%]	TOC400 Factor	TIC900 Factor
60	60	22L0383-05	512.90		CARBON	12/29/2022 8:28 PM	bl	1.019	3 208 439	1.256	0.081	293 878	812 113	0.939	0.237	0.9774	1.0000



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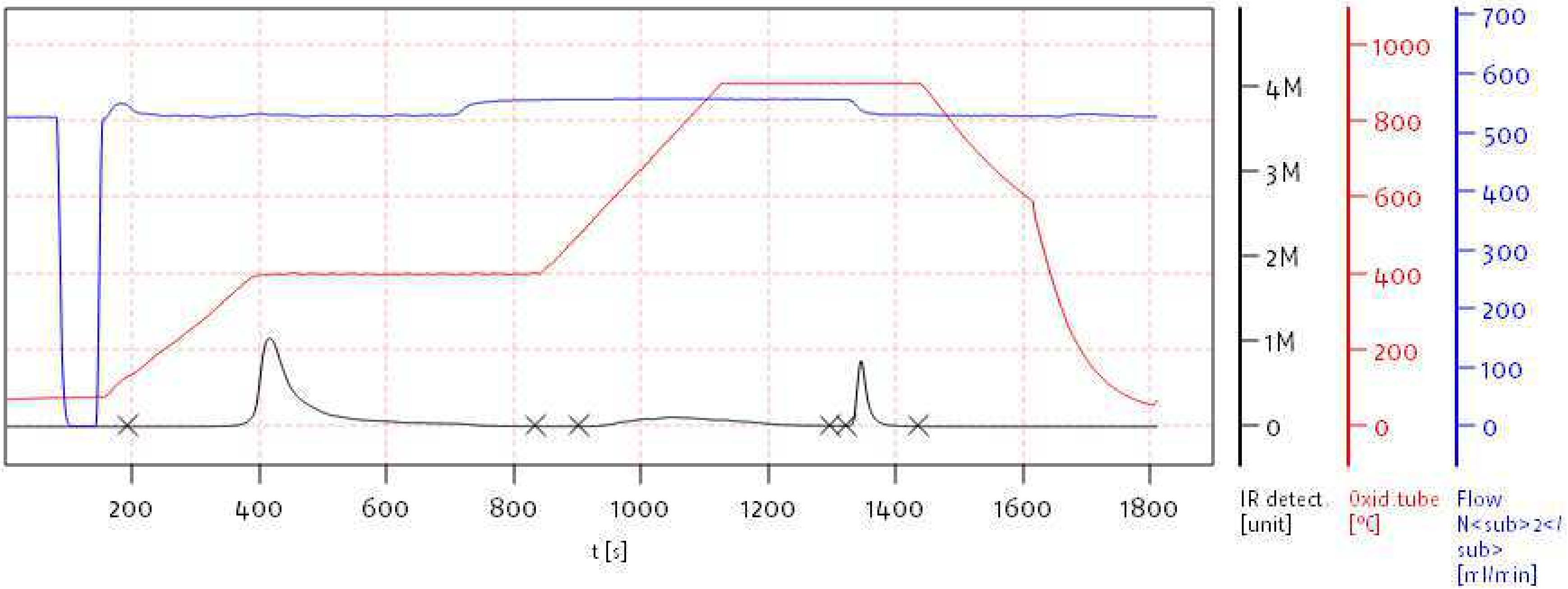
	Pos.	Name	Weight [mg]	Memo	Method	Date Time	Info	TOC [%]	TOC400 Area	TC [%]	ROC [%]	ROC Area	TIC900 Area	TOC400 [%]	TIC900 [%]	TOC400 Factor	TIC900 Factor
61	61	22L0383-06	512.90		CARBON	12/29/2022 8:59 PM	bl	0.975	2 792 391	1.208	0.160	555 017	796 339	0.816	0.232	0.9774	1.0000



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Balance: BAL3
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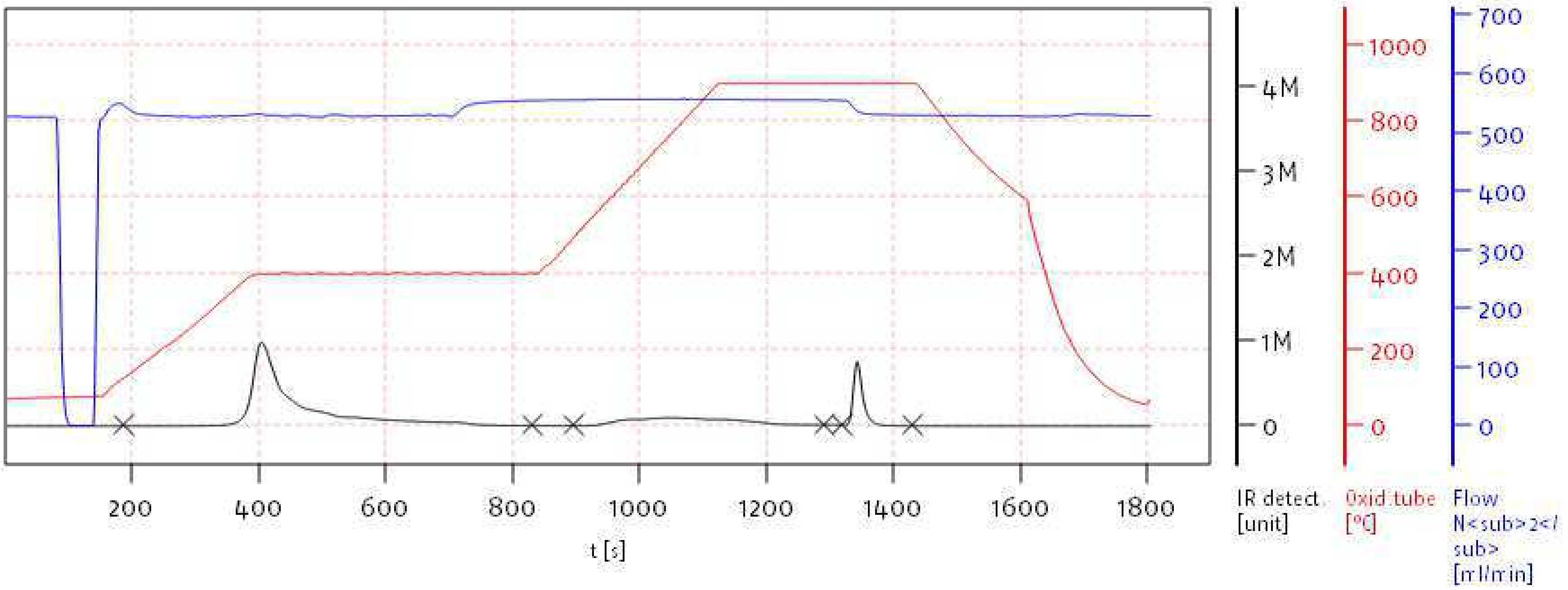
	Pos.	Name	Weight [mg]	Memo	Method	Date Time	Info	TOC [%]	TOC400 Area	TC [%]	ROC [%]	ROC Area	TIC900 Area	TOC400 [%]	TIC900 [%]	TOC400 Factor	TIC900 Factor
62	62	22L0383-07	505.70		CARBON	12/29/2022 9:29 PM	bl	0.962	2 751 206	1.197	0.147	505 449	794 926	0.815	0.235	0.9774	1.0000



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elementar
EXCELLENCE IN ELEMENTS

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Soli TOC Cube, Carbon
Balance: BAL3
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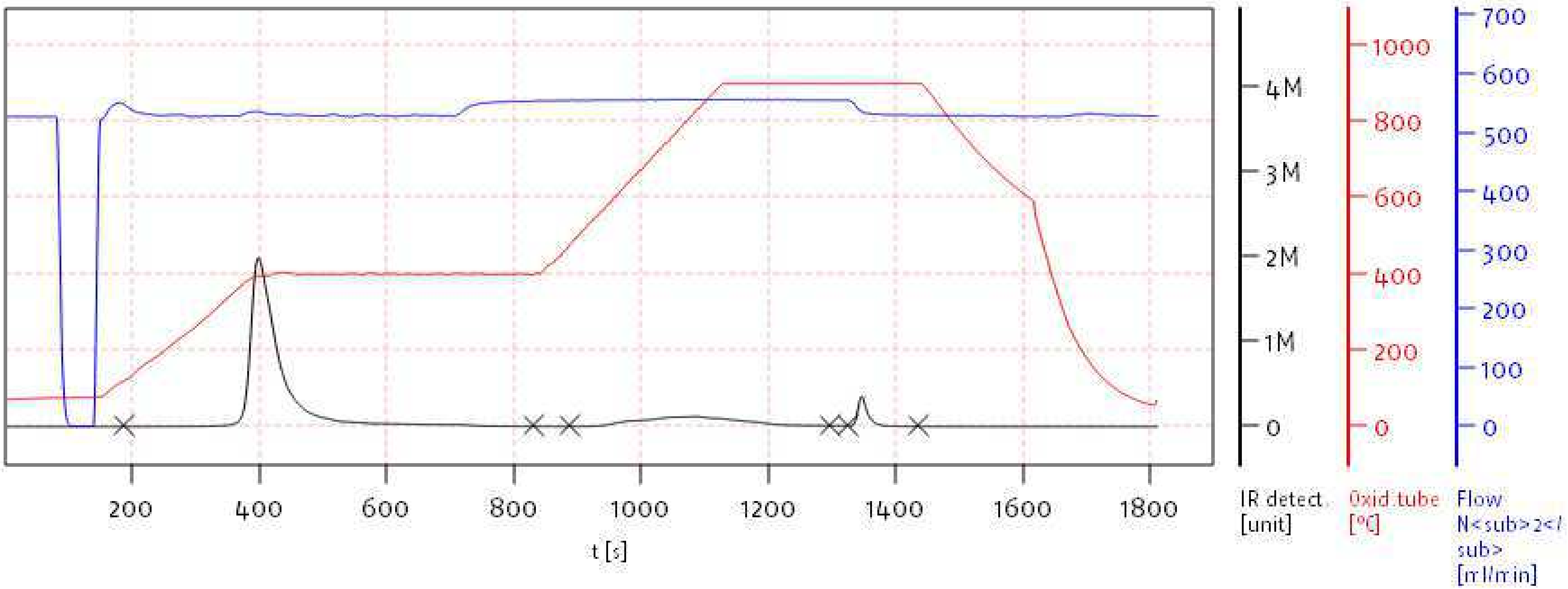
	Pos.	Name	Weight [mg]	Memo	Method	Date Time	Info	TOC [%]	TOC400 Area	TC [%]	ROC [%]	ROC Area	TIC900 Area	TOC400 [%]	TIC900 [%]	TOC400 Factor	TIC900 Factor
63	63	22L0383-08	550.00		CARBON	12/29/2022 10:00 PM	bl	1.136	3 931 260	1.369	0.062	245 905	854 228	1.074	0.233	0.9774	1.0000



Name:

Access: soliTOC superuser

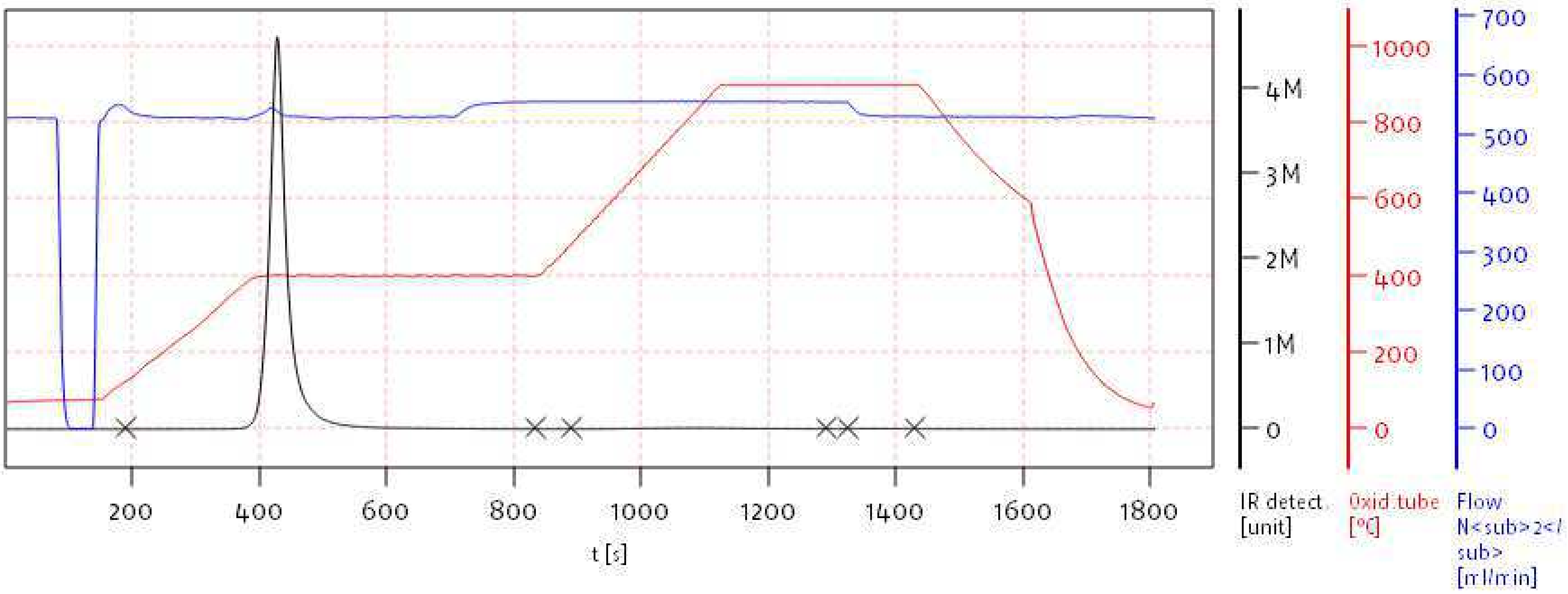
Date: Tue Jan 3 07:07:46 2023

soliTOC V2.0.2 (31015f9) 2018-11-19
Serial No: 0300.181017
Mode CCC

Soli TOC Cube, Carbon

Balance: BAL3
Analyst: DOE

	Pos.	Name	Weight [mg]	Memo	Method	Date Time	Info	TOC [%]	TOC400 Area	TC [%]	ROC [%]	ROC Area	TIC900 Area	TOC400 [%]	TIC900 [%]	TOC400 Factor	TIC900 Factor
64	64	SKL0336-CCV5	19.20		CARBON	12/29/2022 10:30 PM	bl	45.251	5 768 684	45.852	0.000	20 849	101 047	45.251	0.601	0.9774	1.0000



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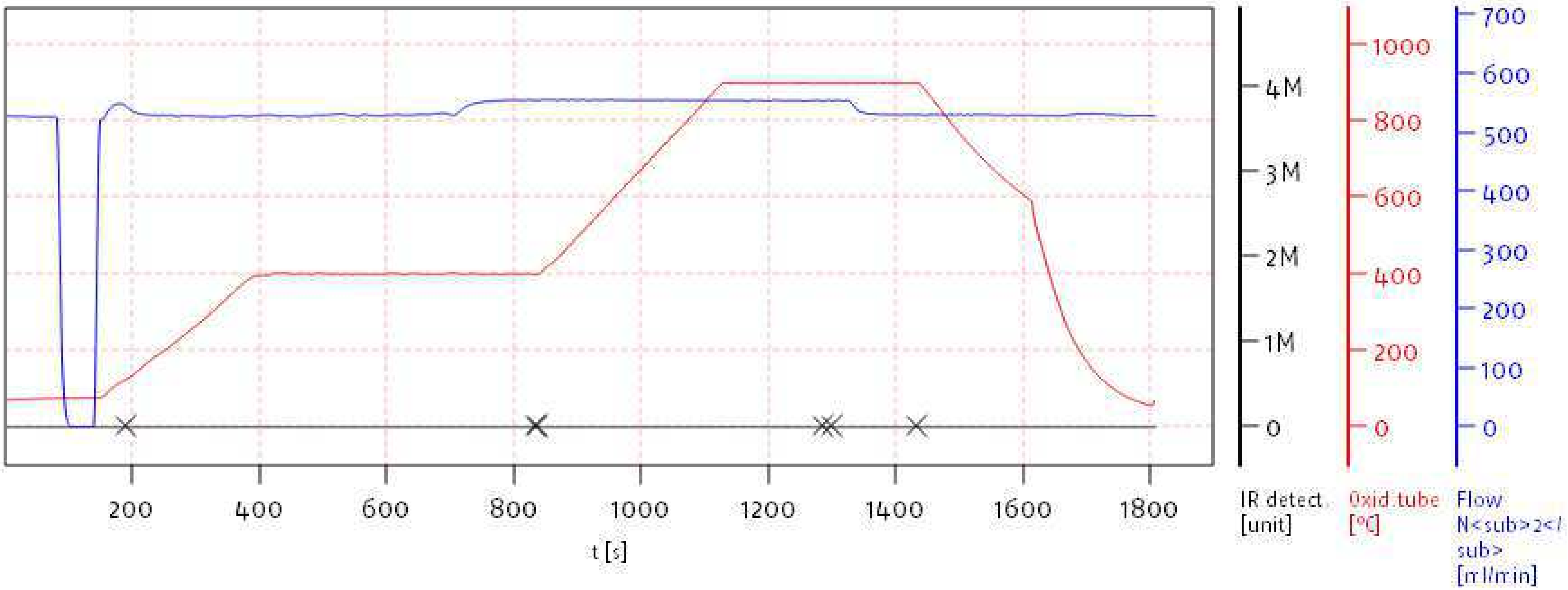
Access: soliTOC superuser

Date: Tue Jan 3 07:07:46 2023

soliTOC V2.0.2 (31015f9) 2018-11-19
Serial No: 0300.181017
Mode CCC

Soli TOC Cube, Carbon
Balance: BAL3
Analyst: DOE

	Pos.	Name	Weight [mg]	Memo	Method	Date Time	Info	TOC [%]	TOC400 Area	TC [%]	ROC [%]	ROC Area	TIC900 Area	TOC400 [%]	TIC900 [%]	TOC400 Factor	TIC900 Factor
65	65	SKL0336-CCB5	526.20		CARBON	12/29/2022 11:01 PM	bl,C2u	0.000	5 957	0.000	0.000	963	7 715	0.000	0.000	0.9774	1.0000



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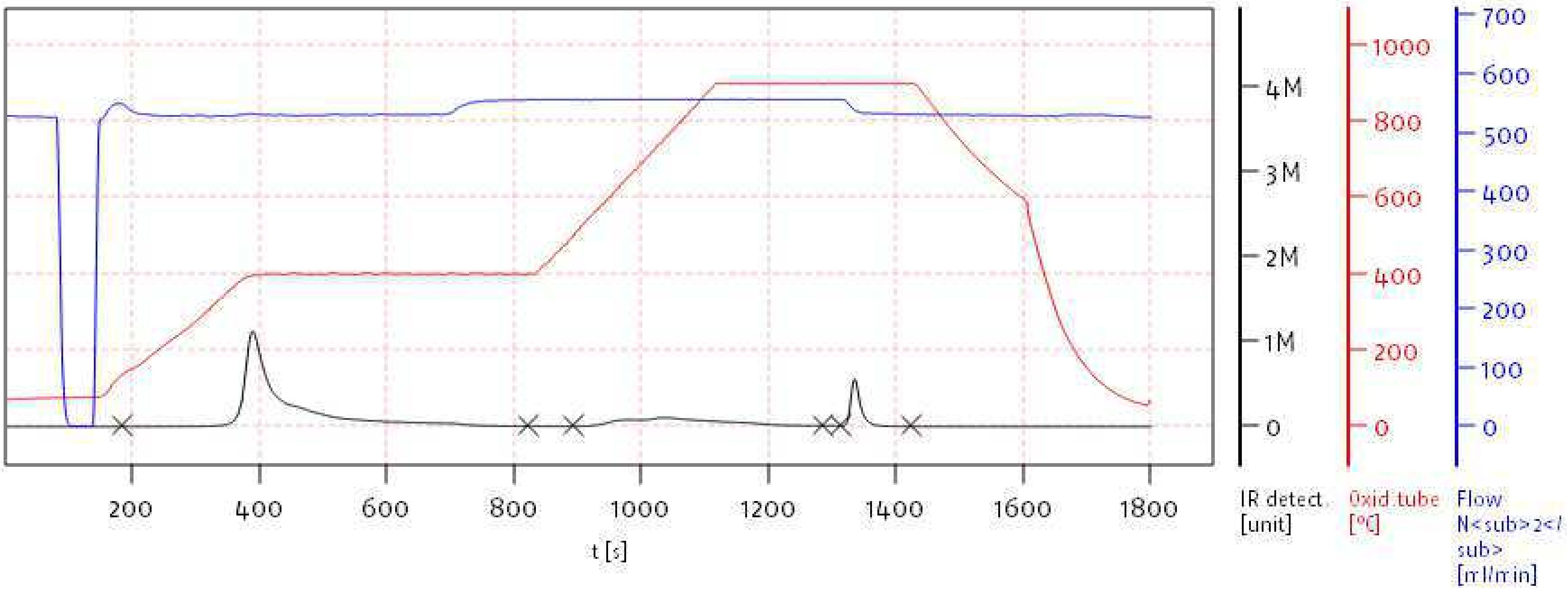
soliTOC V2.0.2 (31015f9) 2018-11-19
Serial No: 0300.181017
Mode CCC

Soli TOC Cube, Carbon
Balance: BAL3
Analyst: DOE

	Pos.	Name	Weight [mg]	Memo	Method	Date Time	Info	TOC [%]	TOC400 Area	TC [%]	ROC [%]	ROC Area	TIC900 Area	TOC400 [%]	TIC900 [%]	TOC400 Factor	TIC900 Factor
66	66	22L0417-01	501.80		CARBON	12/29/2022 11:31 PM	bl	0.939	2 776 504	1.160	0.110	381 880	741 948	0.829	0.221	0.9774	1.0000



Name:

Access: soliTOC superuser

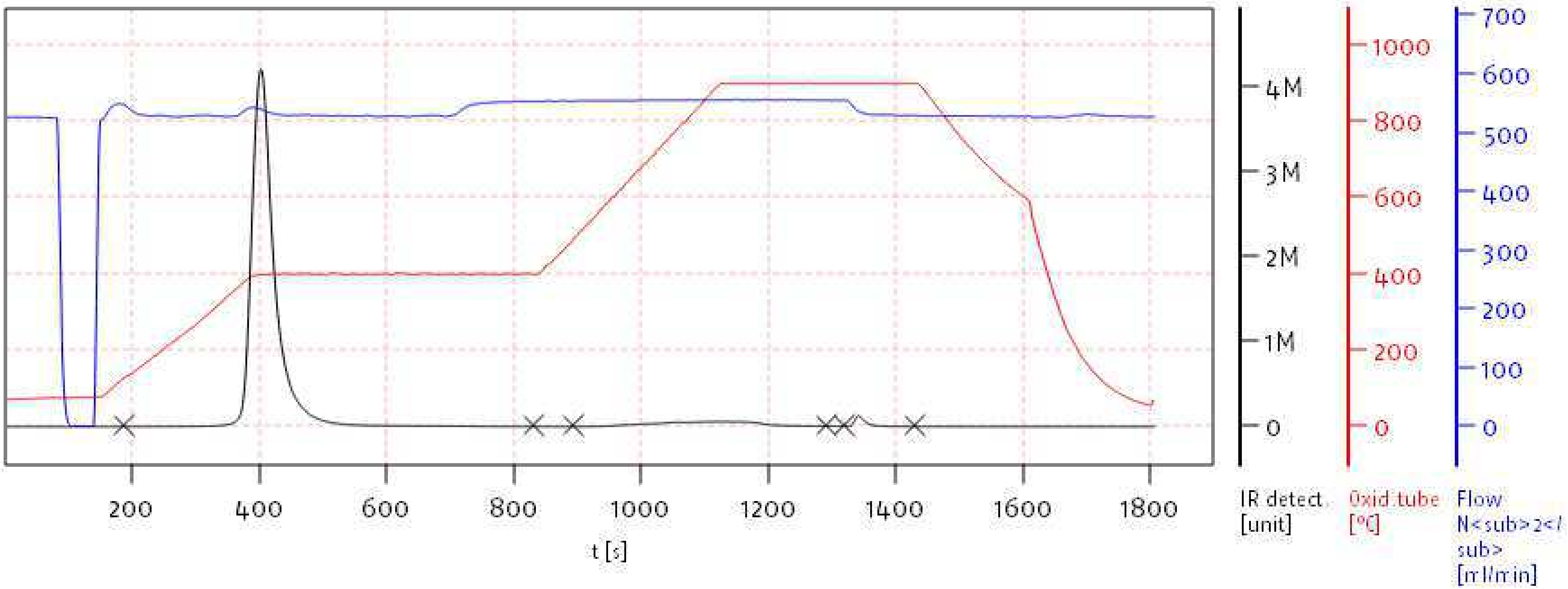
Date: Tue Jan 3 07:07:46 2023

elementar
EXCELLENCE IN ELEMENTS

soliTOC V2.0.2 (31015f9) 2018-11-19
Serial No: 0300.181017
Mode CCC

Soli TOC Cube, Carbon
Balance: BAL3
Analyst: DOE

	Pos.	Name	Weight [mg]	Memo	Method	Date Time	Info	TOC [%]	TOC400 Area	TC [%]	ROC [%]	ROC Area	TIC900 Area	TOC400 [%]	TIC900 [%]	TOC400 Factor	TIC900 Factor
67	67	22L0417-02	525.70		CARBON	12/30/2022 12:02 AM	bl	1.908	6 581 365	2.030	0.021	97 977	441 929	1.887	0.122	0.9774	1.0000



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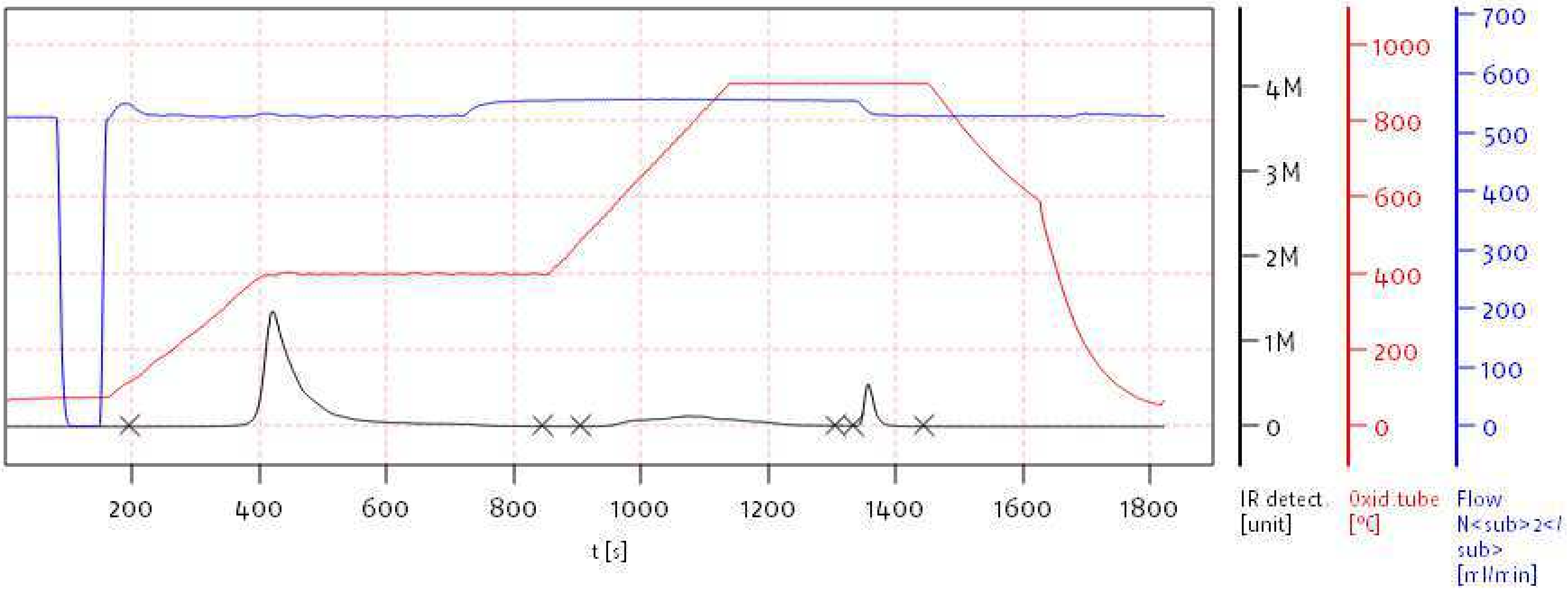
Access: soliTOC superuser

Date: Tue Jan 3 07:07:46 2023

soliTOC V2.0.2 (31015f9) 2018-11-19
Serial No: 0300.181017
Mode CCC

Soli TOC Cube, Carbon
Balance: BAL3
Analyst: DOE

	Pos.	Name	Weight [mg]	Memo	Method	Date Time	Info	TOC [%]	TOC400 Area	TC [%]	ROC [%]	ROC Area	TIC900 Area	TOC400 [%]	TIC900 [%]	TOC400 Factor	TIC900 Factor
68	68	22L0417-03	525.80		CARBON	12/30/2022 12:33 AM	bl	1.036	3 293 495	1.282	0.096	352 622	862 415	0.940	0.246	0.9774	1.0000



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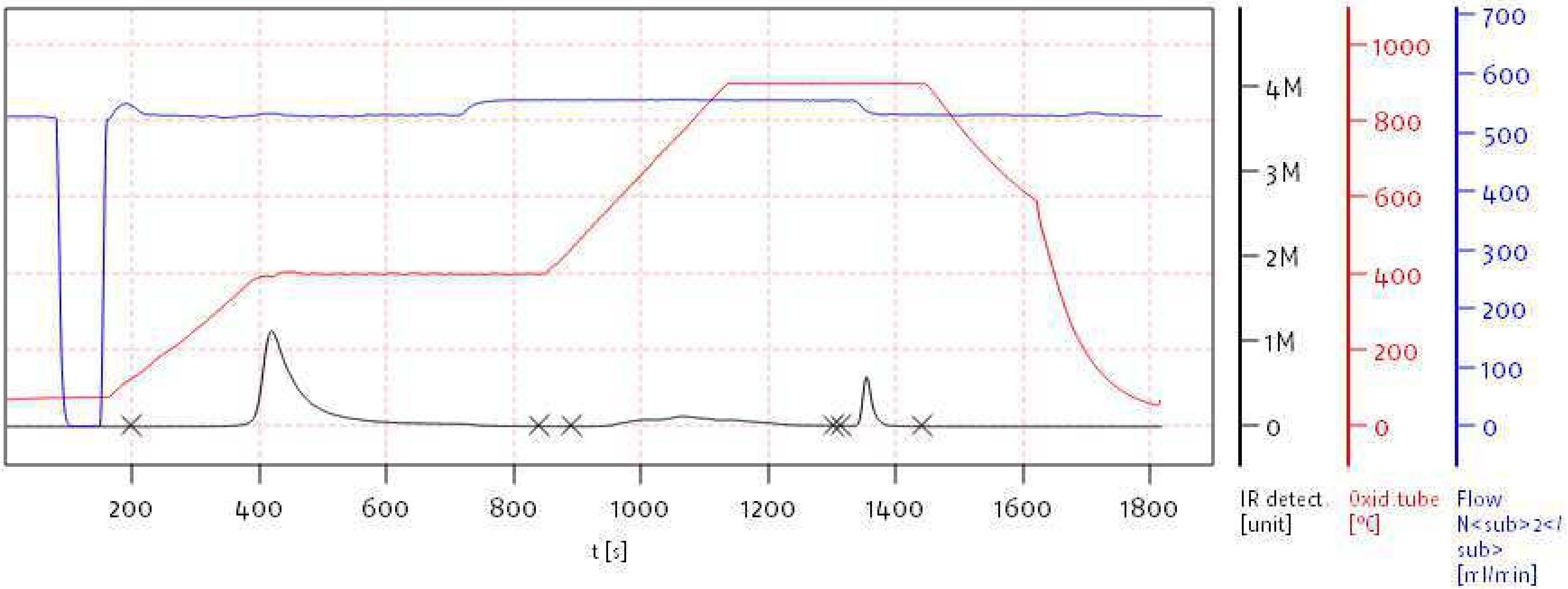
Date: Tue Jan 3 07:07:46 2023

soliTOC V2.0.2 (31015f9) 2018-11-19
Serial No: 0300.181017
Mode CCC

Soli TOC Cube, Carbon
Balance: BAL3
Analyst: DOE

	Pos.	Name	Weight [mg]	Memo	Method	Date Time	Info	TOC [%]	TOC400 Area	TC [%]	ROC [%]	ROC Area	TIC900 Area	TOC400 [%]	TIC900 [%]	TOC400 Factor	TIC900 Factor
69	69	22L0417-04	510.20		CARBON	12/30/2022 1:03 AM	bl	0.981	2 945 531	1.218	0.115	405 637	807 116	0.866	0.237	0.9774	1.0000



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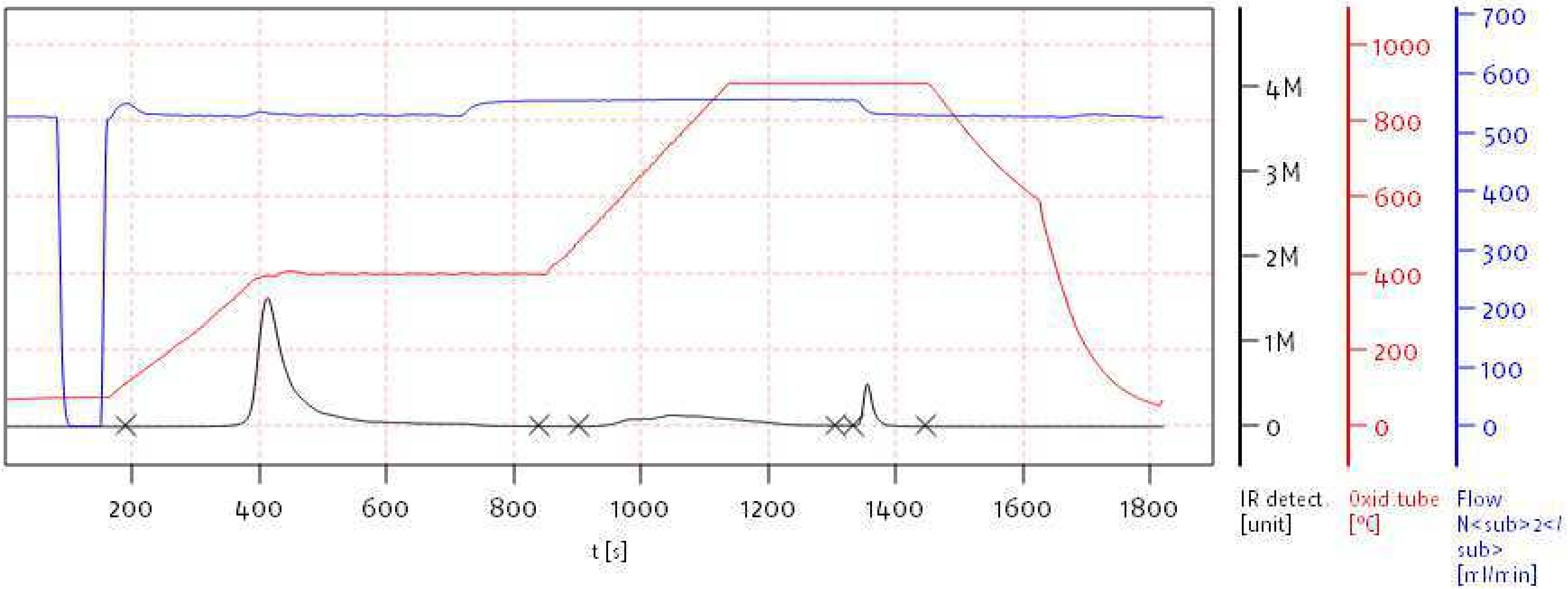
soliTOC V2.0.2 (31015f9) 2018-11-19
Serial No: 0300.181017
Mode CCC

Soli TOC Cube, Carbon

Balance: BAL3

Analyst: DOE

	Pos.	Name	Weight [mg]	Memo	Method	Date Time	Info	TOC [%]	TOC400 Area	TC [%]	ROC [%]	ROC Area	TIC900 Area	TOC400 [%]	TIC900 [%]	TOC400 Factor	TIC900 Factor
70	70	22L0417-05	537.20		CARBON	12/30/2022 1:34 AM	bl	1.063	3 475 552	1.333	0.092	345 430	963 171	0.971	0.270	0.9774	1.0000



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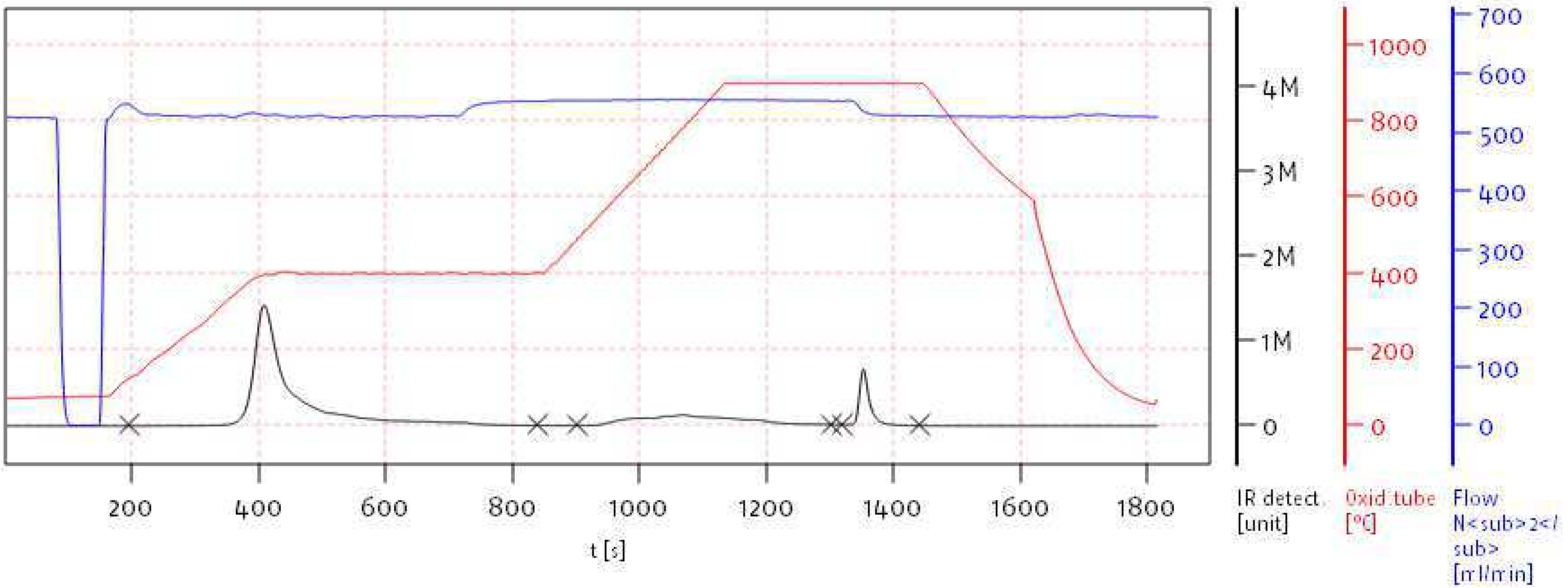
Date: Tue Jan 3 07:07:46 2023

soliTOC V2.0.2 (31015f9) 2018-11-19
Serial No: 0300.181017
Mode CCC

Soli TOC Cube, Carbon
Balance: BAL3
Analyst: DOE

	Pos.	Name	Weight [mg]	Memo	Method	Date Time	Info	TOC [%]	TOC400 Area	TC [%]	ROC [%]	ROC Area	TIC900 Area	TOC400 [%]	TIC900 [%]	TOC400 Factor	TIC900 Factor
71	71	22L0417-06	536.00		CARBON	12/30/2022 2:05 AM	bl	1.120	3 528 412	1.394	0.132	482 377	973 695	0.989	0.274	0.9774	1.0000



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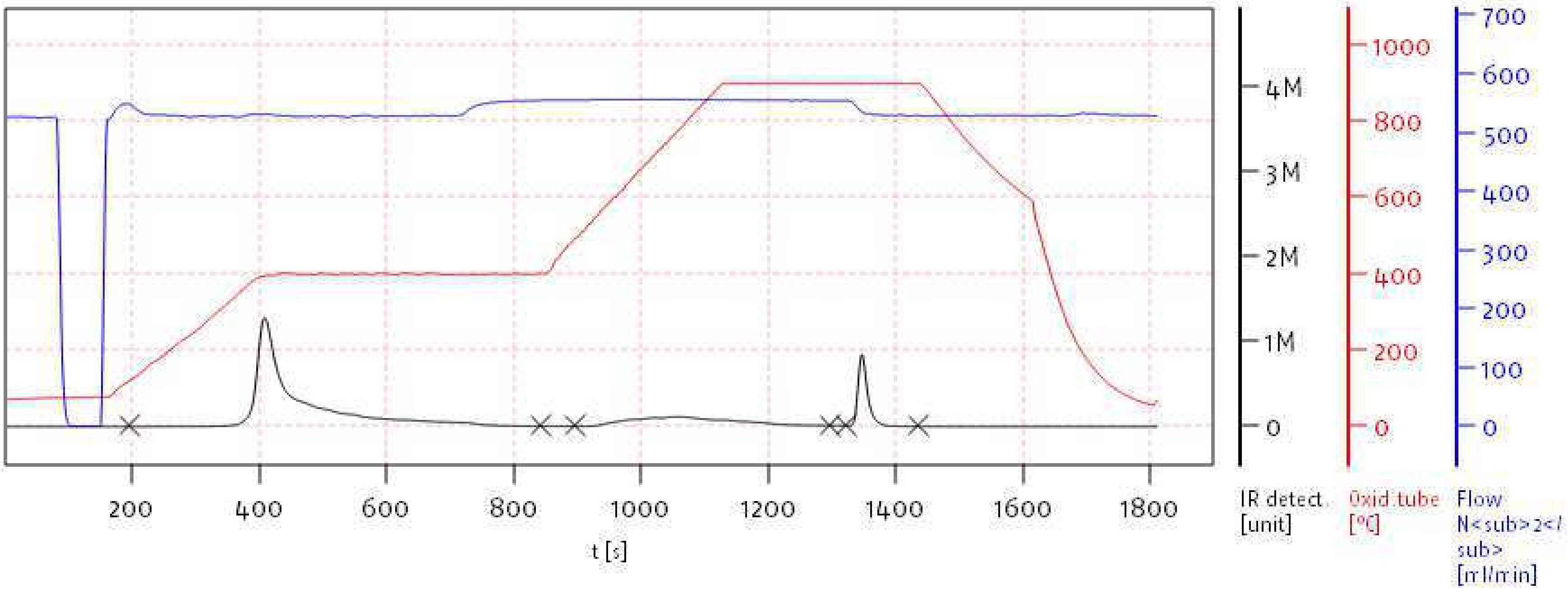
Date: Tue Jan 3 07:07:46 2023

soliTOC V2.0.2 (31015f9) 2018-11-19
Serial No: 0300.181017
Mode CCC

Document: 122822 DOE from: 1/3/2023 7:07 AM

Soli TOC Cube, Carbon
Balance: BAL3
Analyst: DOE

	Pos.	Name	Weight [mg]	Memo	Method	Date Time	Info	TOC [%]	TOC400 Area	TC [%]	ROC [%]	ROC Area	TIC900 Area	TOC400 [%]	TIC900 [%]	TOC400 Factor	TIC900 Factor
72	72	22L0417-07	522.50		CARBON	12/30/2022 2:35 AM	bl	1.088	3 227 152	1.338	0.161	571 561	870 140	0.927	0.250	0.9774	1.0000



Name:

Access: soliTOC superuser

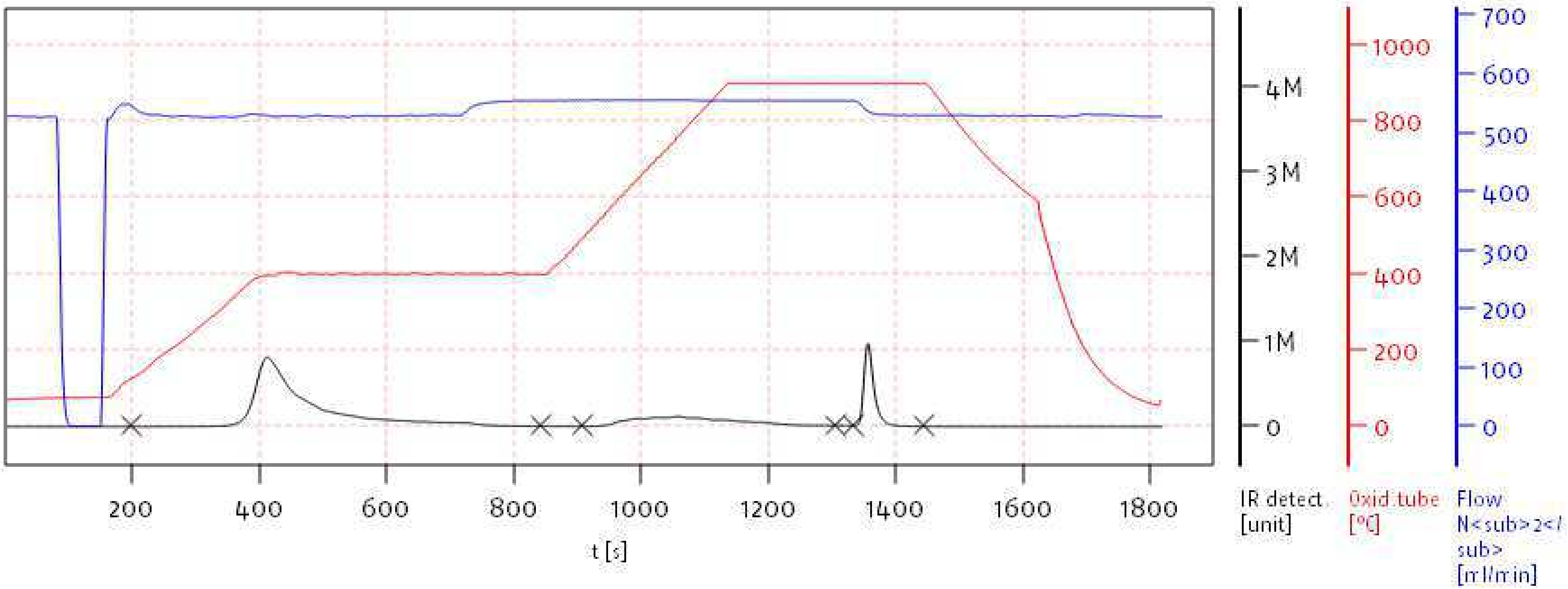
Date: Tue Jan 3 07:07:46 2023

elementar
EXCELLENCE IN ELEMENTS

soliTOC V2.0.2 (31015f9) 2018-11-19
Serial No: 0300.181017
Mode CCC

Soli TOC Cube, Carbon
Balance: BAL3
Analyst: DOE

	Pos.	Name	Weight [mg]	Memo	Method	Date Time	Info	TOC [%]	TOC400 Area	TC [%]	ROC [%]	ROC Area	TIC900 Area	TOC400 [%]	TIC900 [%]	TOC400 Factor	TIC900 Factor
73	73	22L0417-08	514.40		CARBON	12/30/2022 3:06 AM	bl	1.060	2 953 173	1.313	0.199	688 000	868 121	0.861	0.253	0.9774	1.0000



Name:

Access: soliTOC superuser

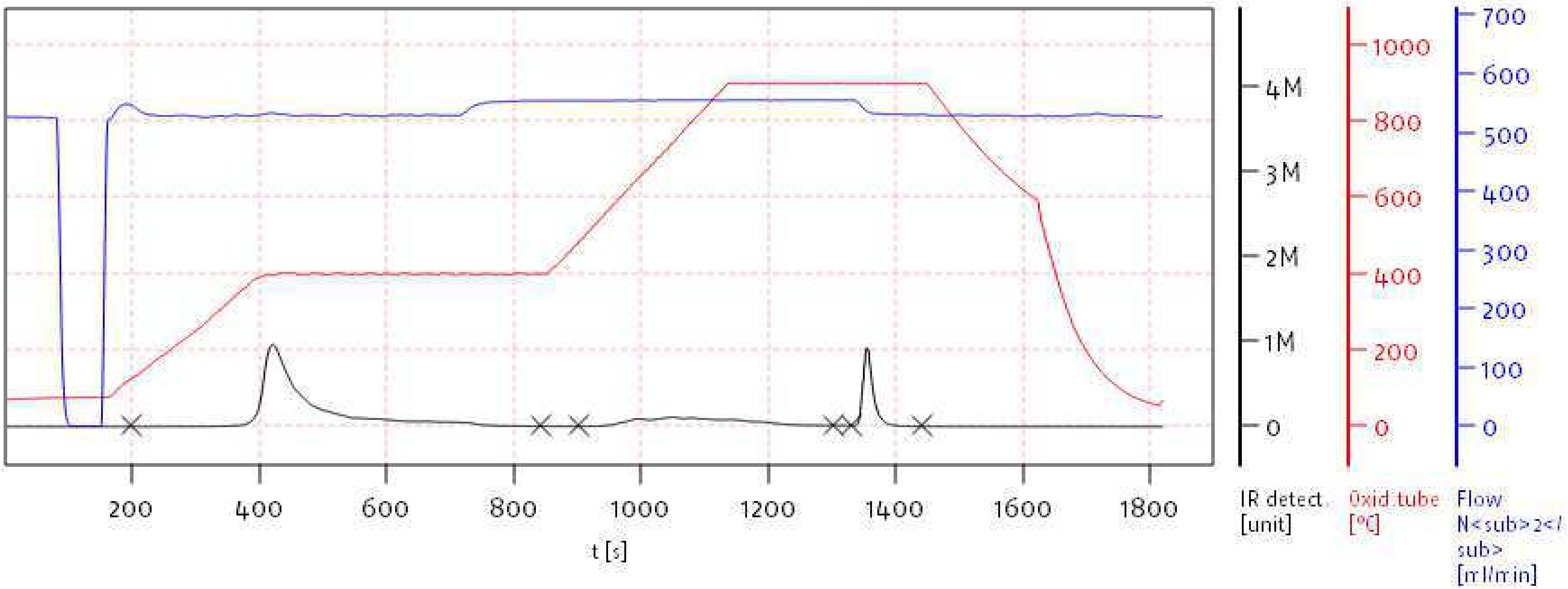
Date: Tue Jan 3 07:07:46 2023

elementar
EXCELLENCE IN ELEMENTS

soliTOC V2.0.2 (31015f9) 2018-11-19
Serial No: 0300.181017
Mode CCC

Soli TOC Cube, Carbon
Balance: BAL3
Analyst: DOE

	Pos.	Name	Weight [mg]	Memo	Method	Date Time	Info	TOC [%]	TOC400 Area	TC [%]	ROC [%]	ROC Area	TIC900 Area	TOC400 [%]	TIC900 [%]	TOC400 Factor	TIC900 Factor
74	74	22L0417-09	556.60		CARBON	12/30/2022 3:37 AM	bl	0.946	2 861 405	1.171	0.175	656 235	836 164	0.771	0.225	0.9774	1.0000



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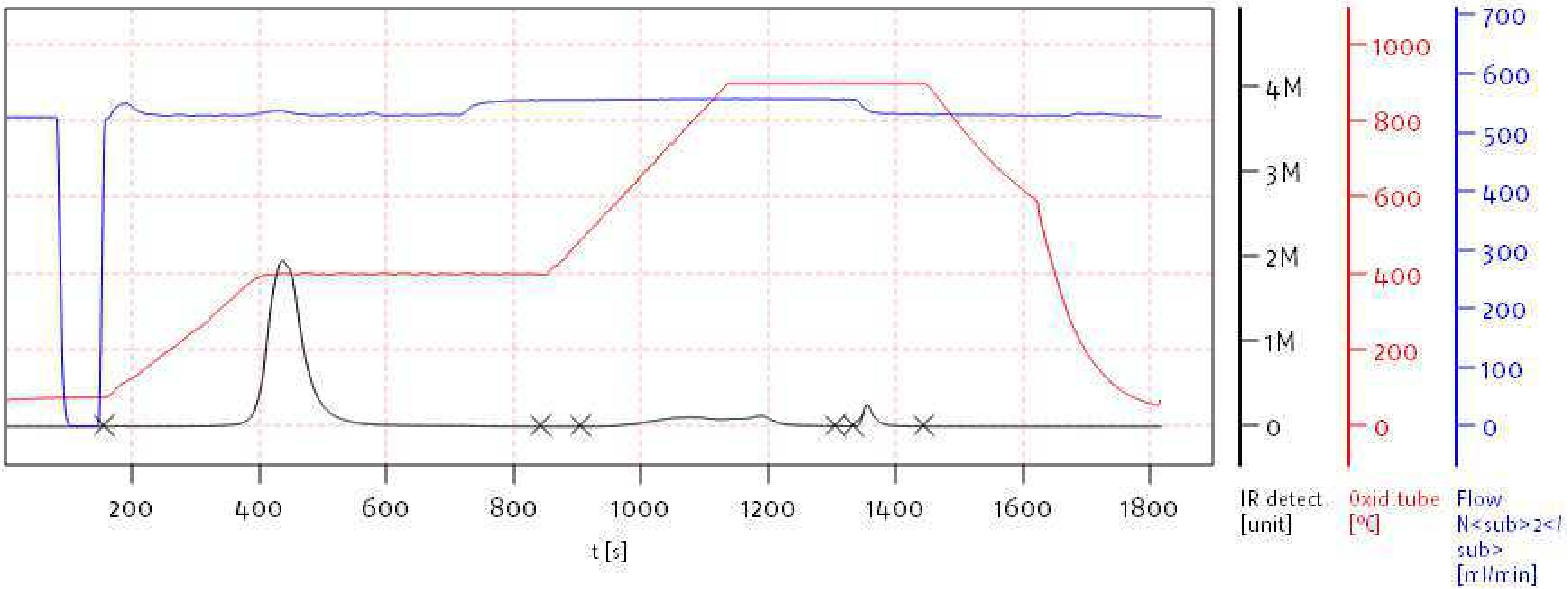
Date: Tue Jan 3 07:07:46 2023

soliTOC V2.0.2 (31015f9) 2018-11-19
Serial No: 0300.181017
Mode CCC

Soli TOC Cube, Carbon
Balance: BAL3
Analyst: DOE

	Pos.	Name	Weight [mg]	Memo	Method	Date Time	Info	TOC [%]	TOC400 Area	TC [%]	ROC [%]	ROC Area	TIC900 Area	TOC400 [%]	TIC900 [%]	TOC400 Factor	TIC900 Factor
75	75	22L0492-17	516.20		CARBON	12/30/2022 4:07 AM	bl	1.479	4 882 583	1.722	0.056	211 950	836 440	1.423	0.243	0.9774	1.0000



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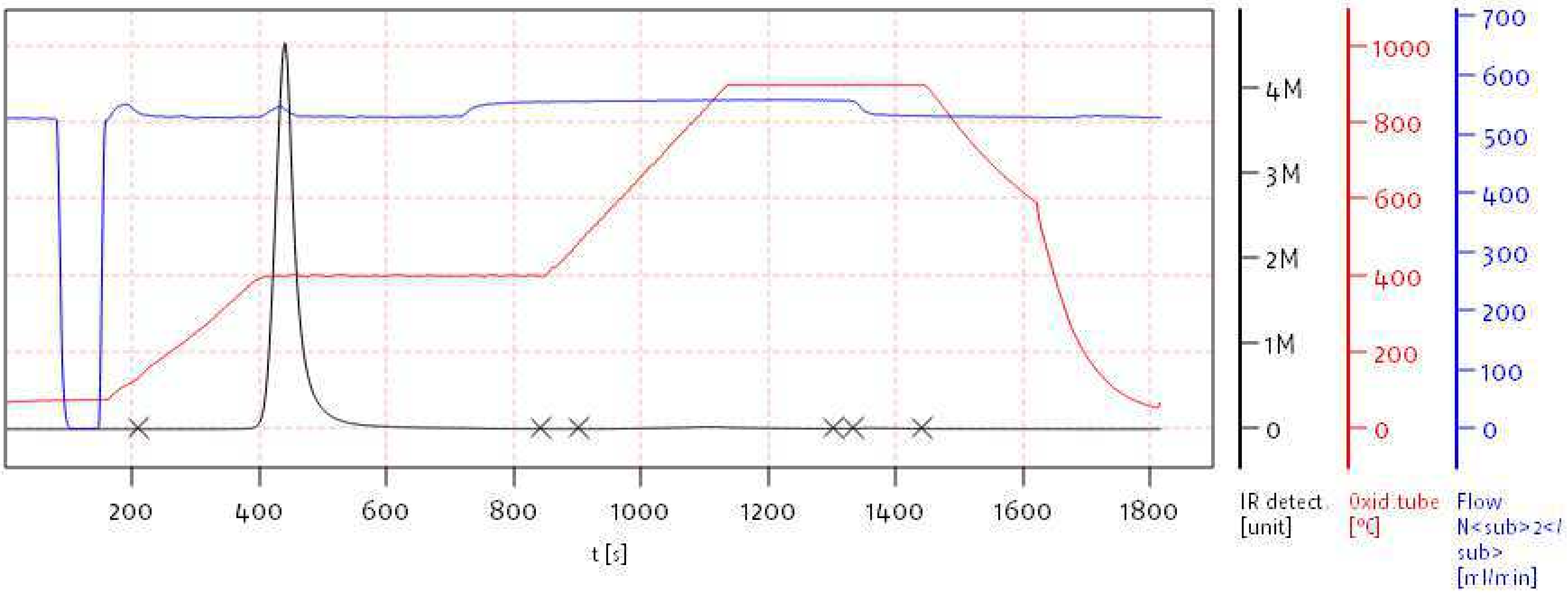
Access: soliTOC superuser

Date: Tue Jan 3 07:07:46 2023

soliTOC V2.0.2 (31015f9) 2018-11-19
Serial No: 0300.181017
Mode CCC

Soli TOC Cube, Carbon
Balance: BAL3
Analyst: DOE

	Pos.	Name	Weight [mg]	Memo	Method	Date Time	Info	TOC [%]	TOC400 Area	TC [%]	ROC [%]	ROC Area	TIC900 Area	TOC400 [%]	TIC900 [%]	TOC400 Factor	TIC900 Factor
76	76	SKL0336-CCV6	22.50		CARBON	12/30/2022 4:38 AM	bl	45.006	6 712 219	45.991	0.047	33 362	169 589	44.959	0.984	0.9774	1.0000



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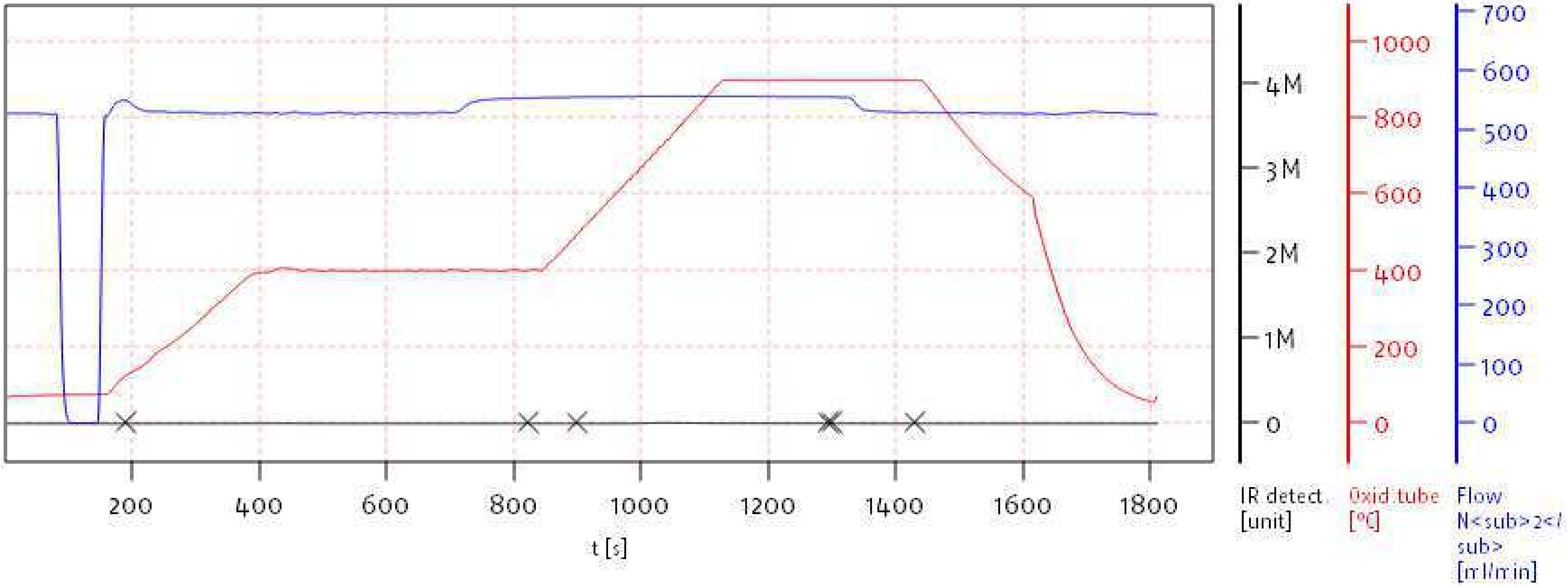
Date: Tue Jan 3 07:07:46 2023

soliTOC V2.0.2 (31015f9) 2018-11-19
Serial No: 0300.181017
Mode CCC

elementar
EXCELLENCE IN ELEMENTS

Soli TOC Cube, Carbon
Balance: BAL3
Analyst: DOE

	Pos.	Name	Weight [mg]	Memo	Method	Date Time	Info	TOC [%]	TOC400 Area	TC [%]	ROC [%]	ROC Area	TIC900 Area	TOC400 [%]	TIC900 [%]	TOC400 Factor	TIC900 Factor
77	77	SKL0336-CCB6	508.40		CARBON	12/30/2022 5:09 AM	bl	0.000	9 608	0.004	0.000	3 866	39 806	0.000	0.004	0.9774	1.0000



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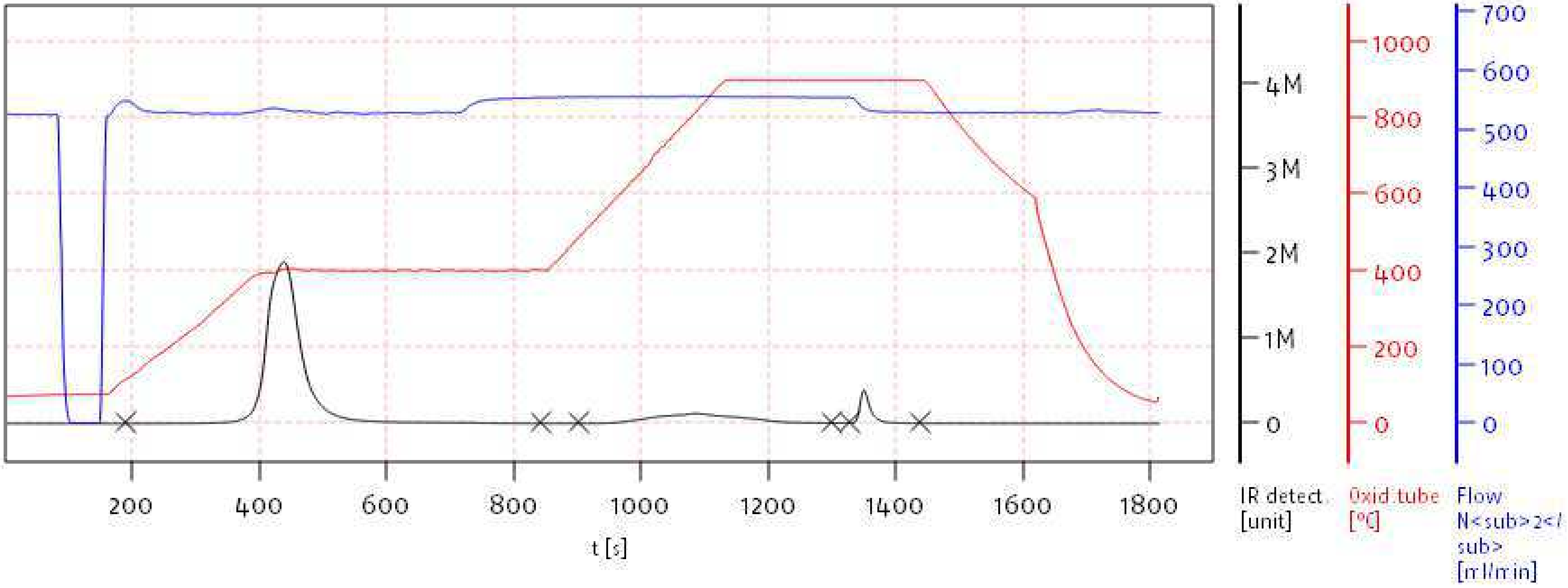
Date: Tue Jan 3 07:07:46 2023

soliTOC V2.0.2 (31015f9) 2018-11-19
Serial No: 0300.181017
Mode CCC

Soli TOC Cube, Carbon
Balance: BAL3
Analyst: DOE

	Pos.	Name	Weight [mg]	Memo	Method	Date Time	Info	TOC [%]	TOC400 Area	TC [%]	ROC [%]	ROC Area	TIC900 Area	TOC400 [%]	TIC900 [%]	TOC400 Factor	TIC900 Factor
78	78	BKL0599-DUP 2	538.20		CARBON	12/30/2022 5:39 AM	bl	1.340	4 525 617	1.540	0.075	287 997	721 652	1.265	0.200	0.9774	1.0000



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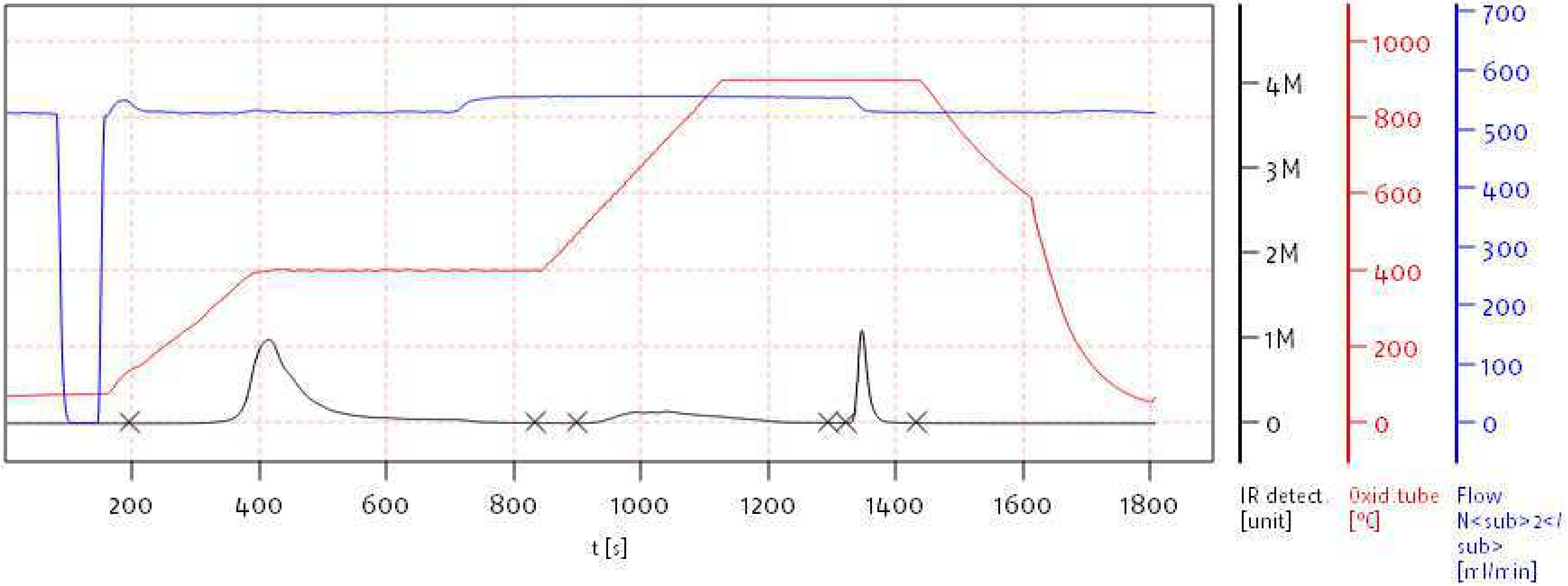
soliTOC V2.0.2 (31015f9) 2018-11-19
Serial No: 0300.181017
Mode CCC

EXCELLENCE IN ELEMENTS

Soli TOC Cube, Carbon
Balance: BAL3
Analyst: DOE

	Pos.	Name	Weight [mg]	Memo	Method	Date Time	Info	TOC [%]	TOC400 Area	TC [%]	ROC [%]	ROC Area	TIC900 Area	TOC400 [%]	TIC900 [%]	TOC400 Factor	TIC900 Factor
79	79	BKL0599-DUP3	512.60		CARBON	12/30/2022 6:10 AM	bl	1.239	3 475 726	1.518	0.221	758 207	951 296	1.018	0.279	0.9774	1.0000



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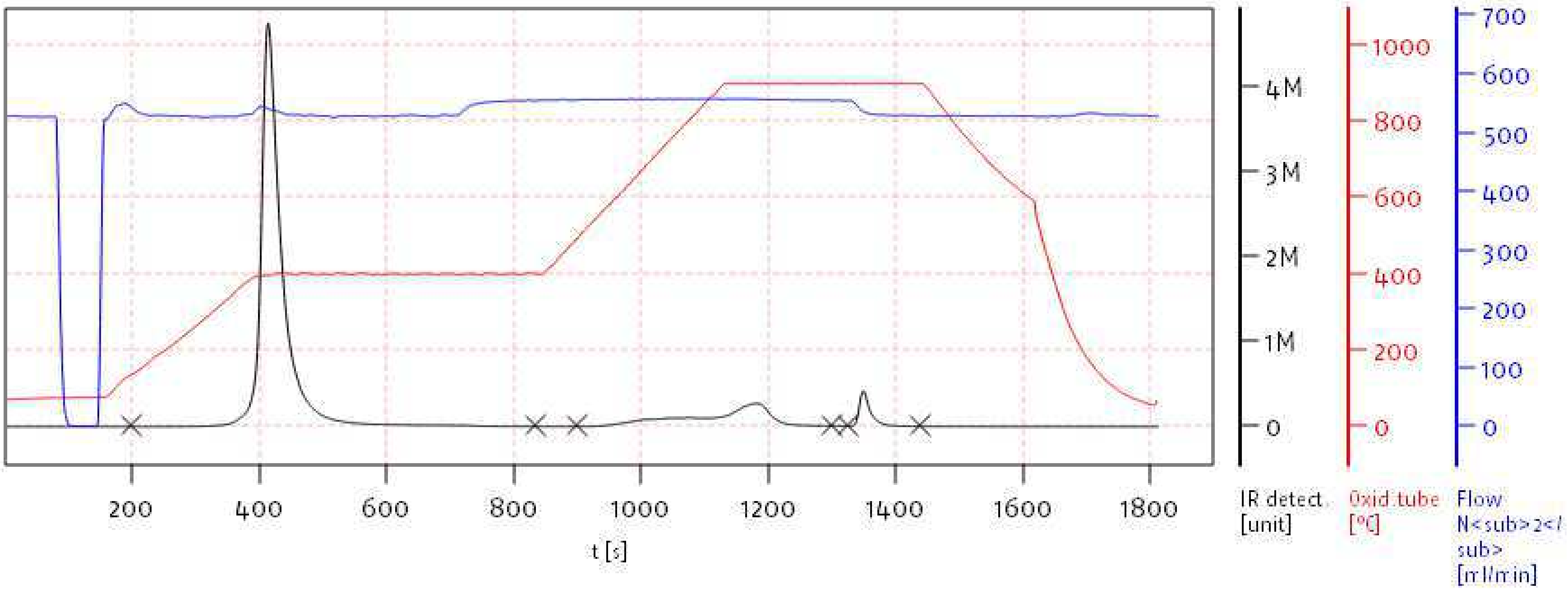
Date: Tue Jan 3 07:07:46 2023

soliTOC V2.0.2 (31015f9) 2018-11-19
Serial No: 0300.181017
Mode CCC

Document: 122822 DOE from: 1/3/2023 7:07 AM

Soli TOC Cube, Carbon
Balance: BAL3
Analyst: DOE

	Pos.	Name	Weight [mg]	Memo	Method	Date Time	Info	TOC [%]	TOC400 Area	TC [%]	ROC [%]	ROC Area	TIC900 Area	TOC400 [%]	TIC900 [%]	TOC400 Factor	TIC900 Factor
80	80	BKL0599-MS2	530.50	0.0074	CARBON	12/30/2022 6:40 AM	bl	2.009	6 762 198	2.370	0.088	327 572	1 263 888	1.921	0.361	0.9774	1.0000



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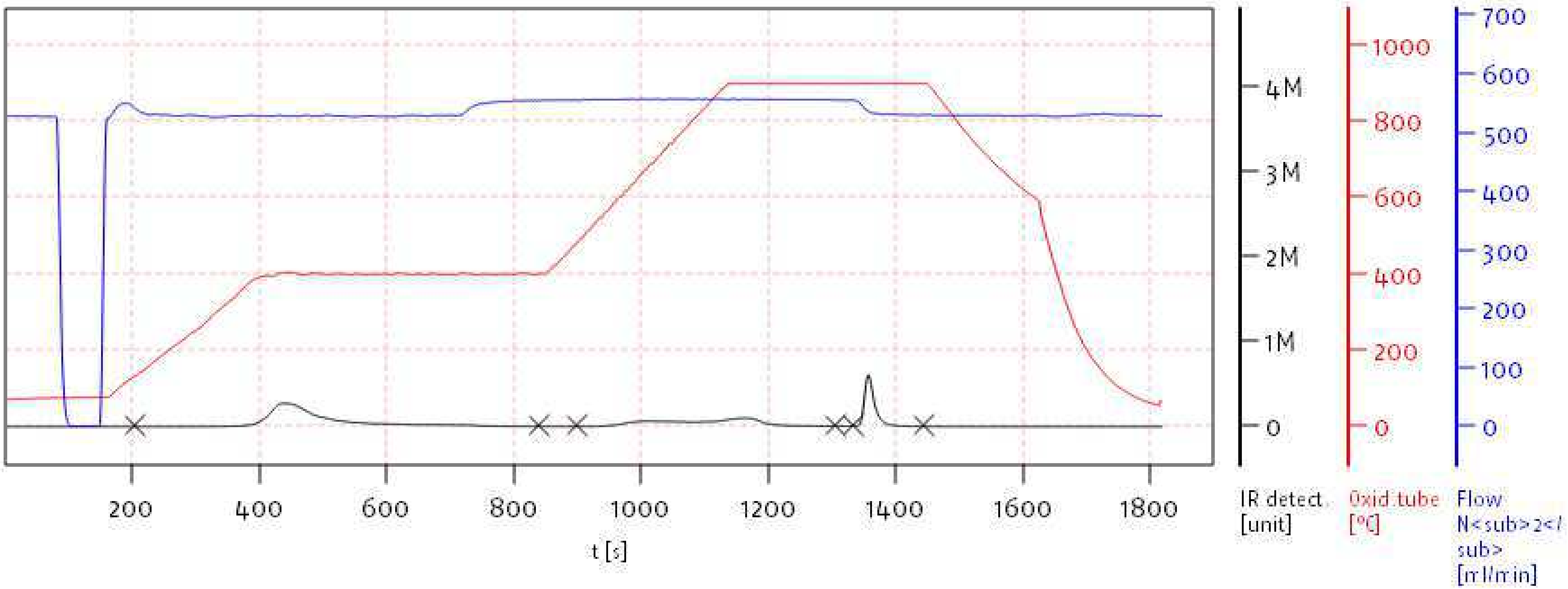
Date: Tue Jan 3 07:07:46 2023

soliTOC V2.0.2 (31015f9) 2018-11-19
Serial No: 0300.181017
Mode CCC

Soli TOC Cube, Carbon
Balance: BAL3
Analyst: DOE

	Pos.	Name	Weight [mg]	Memo	Method	Date Time	Info	TOC [%]	TOC400 Area	TC [%]	ROC [%]	ROC Area	TIC900 Area	TOC400 [%]	TIC900 [%]	TOC400 Factor	TIC900 Factor
81	81	22L0492-18	500.40		CARBON	12/30/2022 7:11 AM	bl	0.448	1 096 735	0.635	0.125	429 558	631 029	0.324	0.187	0.9774	1.0000



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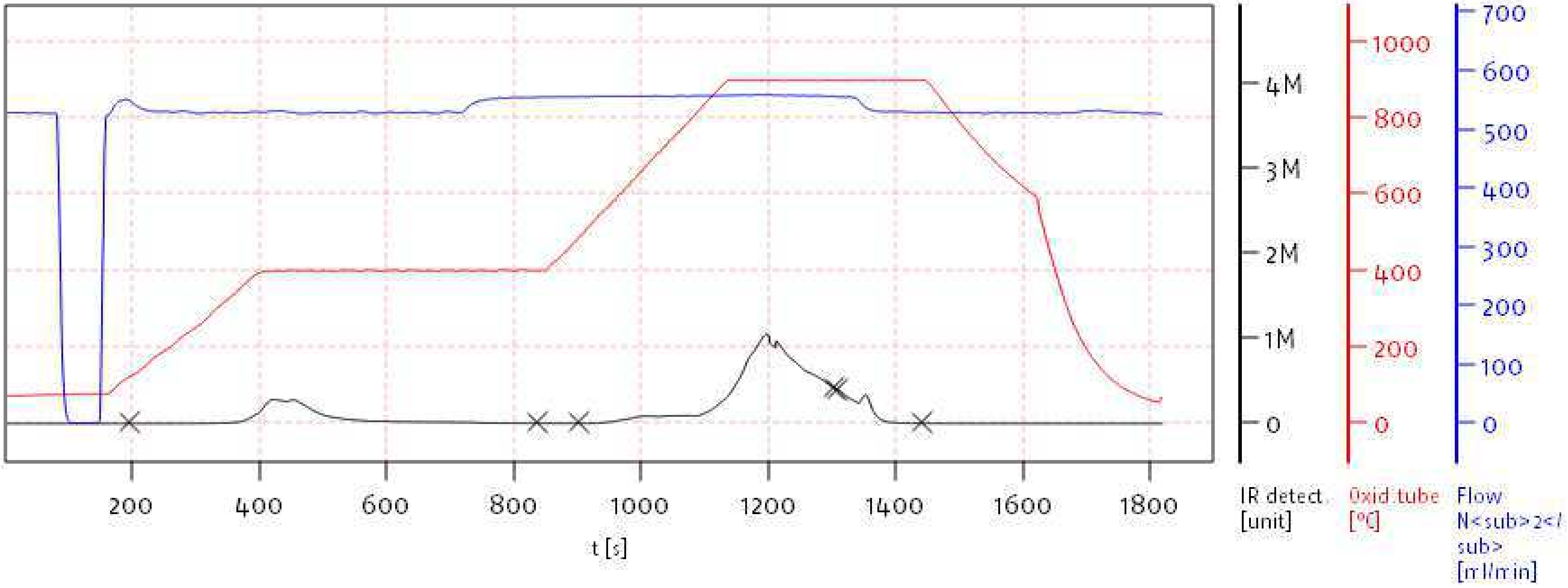
Mode CCC

Soli TOC Cube, Carbon
Balance: BAL3
Analyst: DOE

	Pos.	Name	Weight [mg]	Memo	Method	Date Time	Info	TOC [%]	TOC400 Area	TC [%]	ROC [%]	ROC Area	TIC900 Area	TOC400 [%]	TIC900 [%]	TOC400 Factor	TIC900 Factor
82	82	22K0328-20RE1	542.00		CARBON	12/30/2022 7:42 AM	bl	0.526	1 230 274	1.984	0.190	690 477	5 131 194	0.336	1.458	0.9774	1.0000



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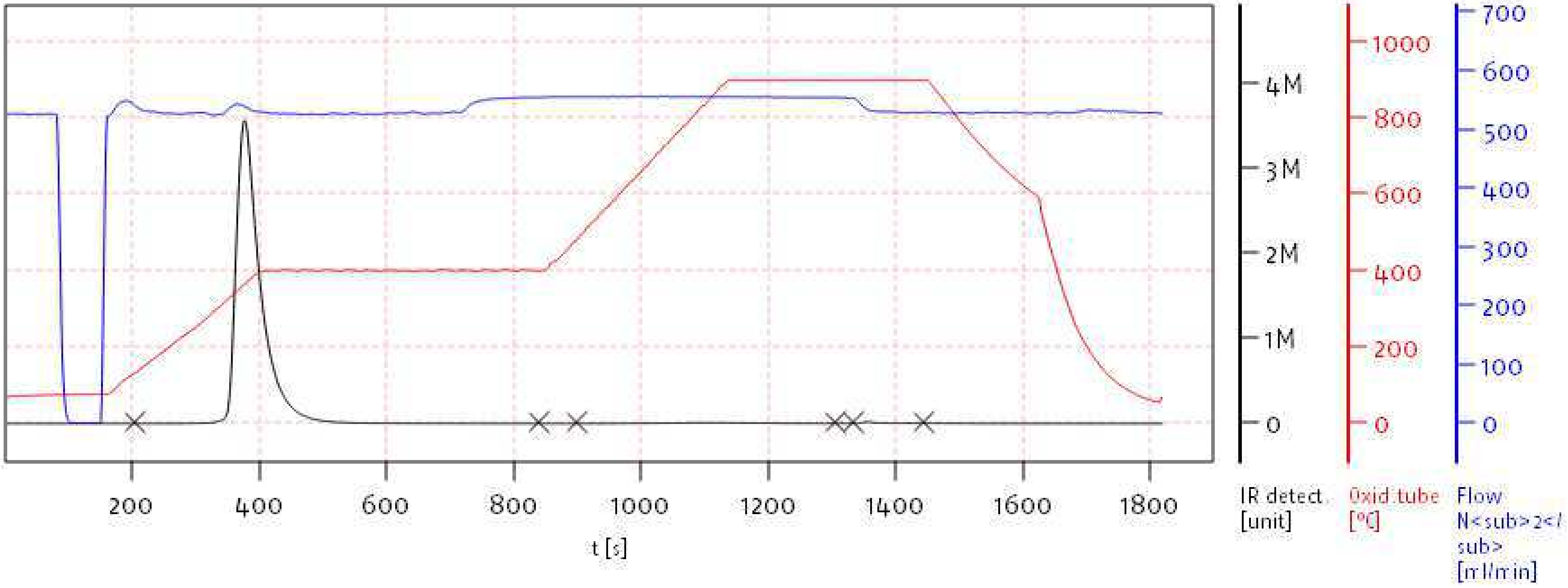
Mode CCC

Soli TOC Cube, Carbon
Balance: BAL3
Analyst: DOE

	Pos.	Name	Weight [mg]	Memo	Method	Date Time	Info	TOC [%]	TOC400 Area	TC [%]	ROC [%]	ROC Area	TIC900 Area	TOC400 [%]	TIC900 [%]	TOC400 Factor	TIC900 Factor
83	83	22K0447-01RE1	209.80		CARBON	12/30/2022 8:12 AM	bl	4.260	5 933 259	4.288	0.000	26 832	63 908	4.260	0.028	0.9774	1.0000



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elementar
EXCELLENCE IN ELEMENTS

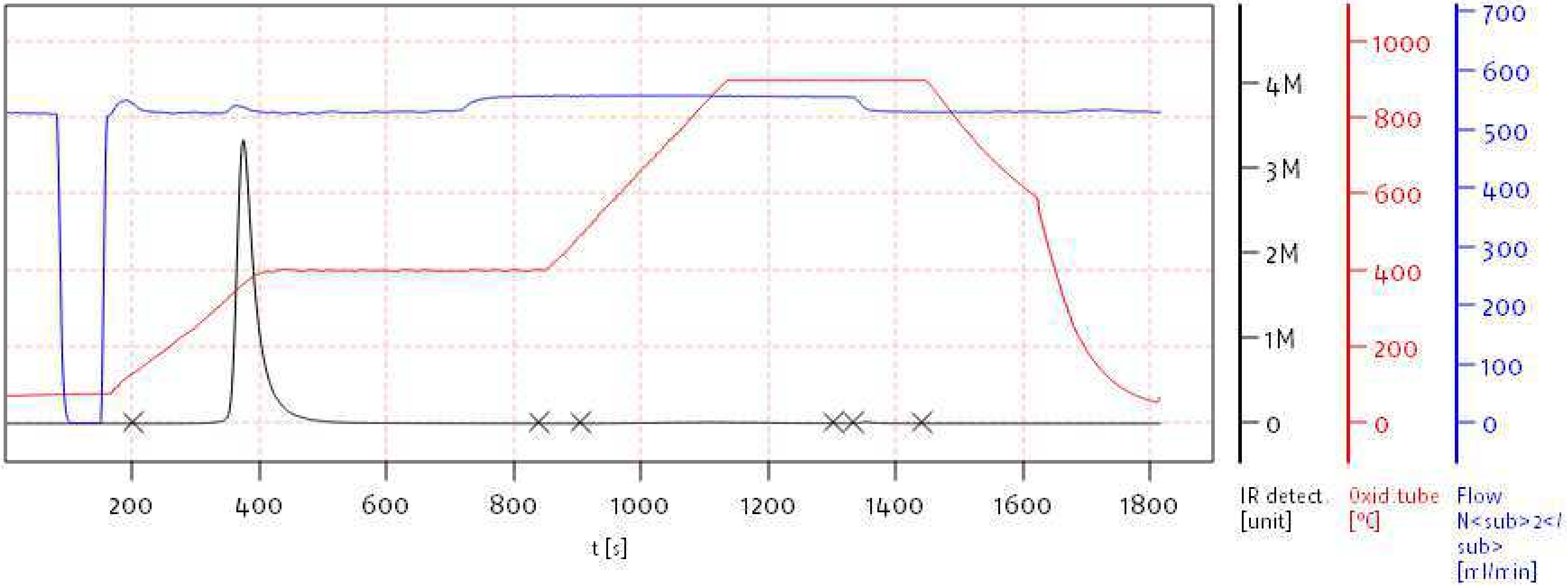
soliTOC V2.0.2 (31015f9) 2018-11-19
Serial No: 0300.181017
Mode CCC

Soli TOC Cube, Carbon

Balance: BAL3

Analyst: DOE

	Pos.	Name	Weight [mg]	Memo	Method	Date Time	Info	TOC [%]	TOC400 Area	TC [%]	ROC [%]	ROC Area	TIC900 Area	TOC400 [%]	TIC900 [%]	TOC400 Factor	TIC900 Factor
84	84	22K0447-02RE1	194.10		CARBON	12/30/2022 8:43 AM	bl	3.497	4 512 574	3.560	0.000	19 897	105 295	3.497	0.063	0.9774	1.0000



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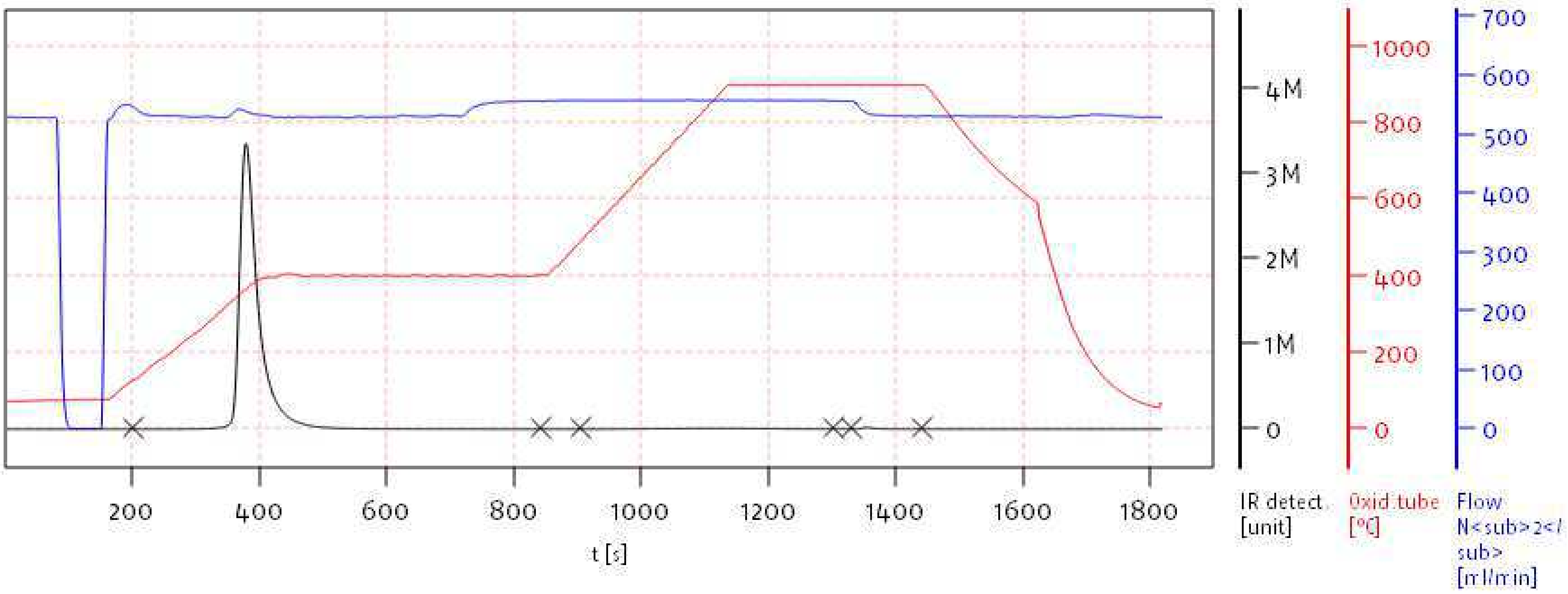
Serial No: 0300.181017
Mode CCC

elementar
EXCELLENCE IN ELEMENTS

Soli TOC Cube, Carbon
Balance: BAL3
Analyst: DOE

	Pos.	Name	Weight [mg]	Memo	Method	Date Time	Info	TOC [%]	TOC400 Area	TC [%]	ROC [%]	ROC Area	TIC900 Area	TOC400 [%]	TIC900 [%]	TOC400 Factor	TIC900 Factor
85	85	22L0137-17RE1	213.20		CARBON	12/30/2022 9:14 AM	bl	3.048	4 320 825	3.080	0.000	17 875	70 526	3.048	0.032	0.9774	1.0000



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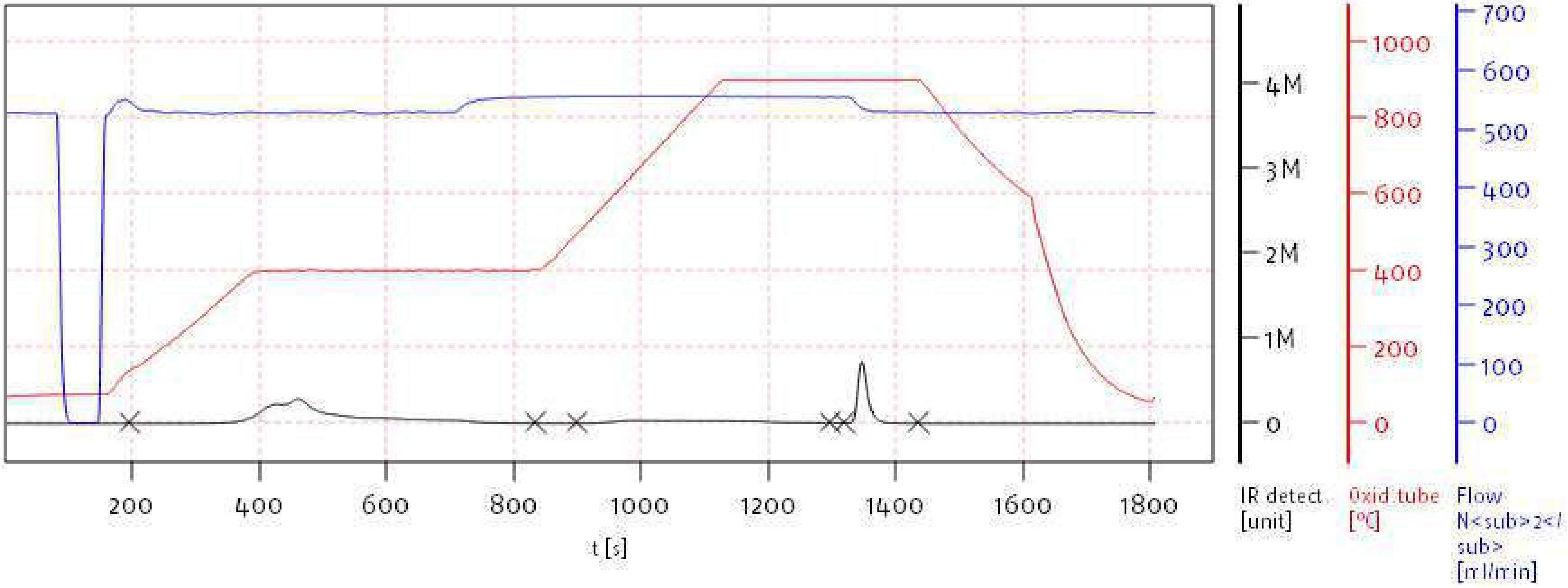
Soli TOC Cube, Carbon
Balance: BAL3
Analyst: DOE

	Pos.	Name	Weight [mg]	Memo	Method	Date Time	Info	TOC [%]	TOC400 Area	TC [%]	ROC [%]	ROC Area	TIC900 Area	TOC400 [%]	TIC900 [%]	TOC400 Factor	TIC900 Factor
86	86	BKL0503-DUP 2	503.30		CARBON	12/30/22 9:44 AM	bl	0.573	1 451 063	0.664	0.144	495 993	323 969	0.428	0.091	0.9774	1.0000



Name:

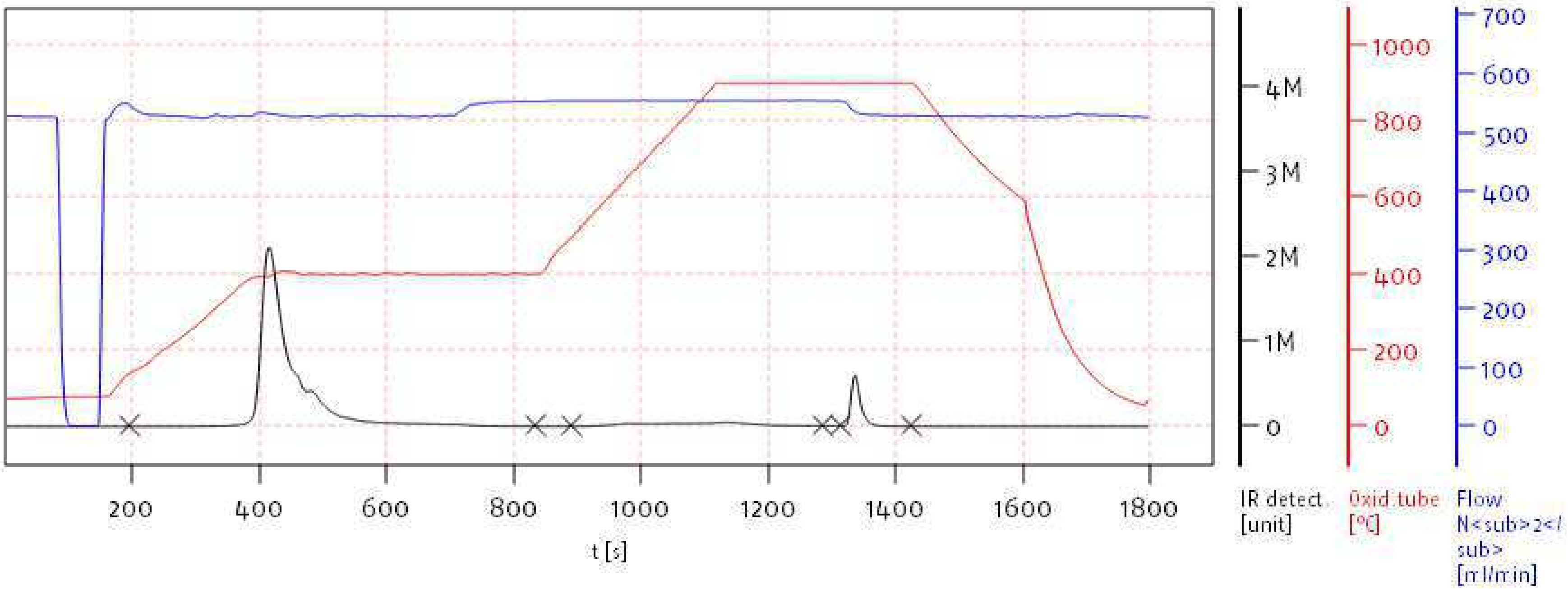
Access: soliTOC superuser

Date: Tue Jan 3 07:07:46 2023

soliTOC V2.0.2 (31015f9) 2018-11-19
Serial No: 0300.181017
Mode CCC

Soli TOC Cube, Carbon
Balance: BAL3
Analyst: DOE

	Pos.	Name	Weight [mg]	Memo	Method	Date Time	Info	TOC [%]	TOC400 Area	TC [%]	ROC [%]	ROC Area	TIC900 Area	TOC400 [%]	TIC900 [%]	TOC400 Factor	TIC900 Factor
87	87	BKL0503-MS2	511.80	0.0081	CARBON	12/30/2022 10:15 AM	bl	1.378	4 302 208	1.483	0.114	402 234	375 823	1.264	0.106	0.9774	1.0000



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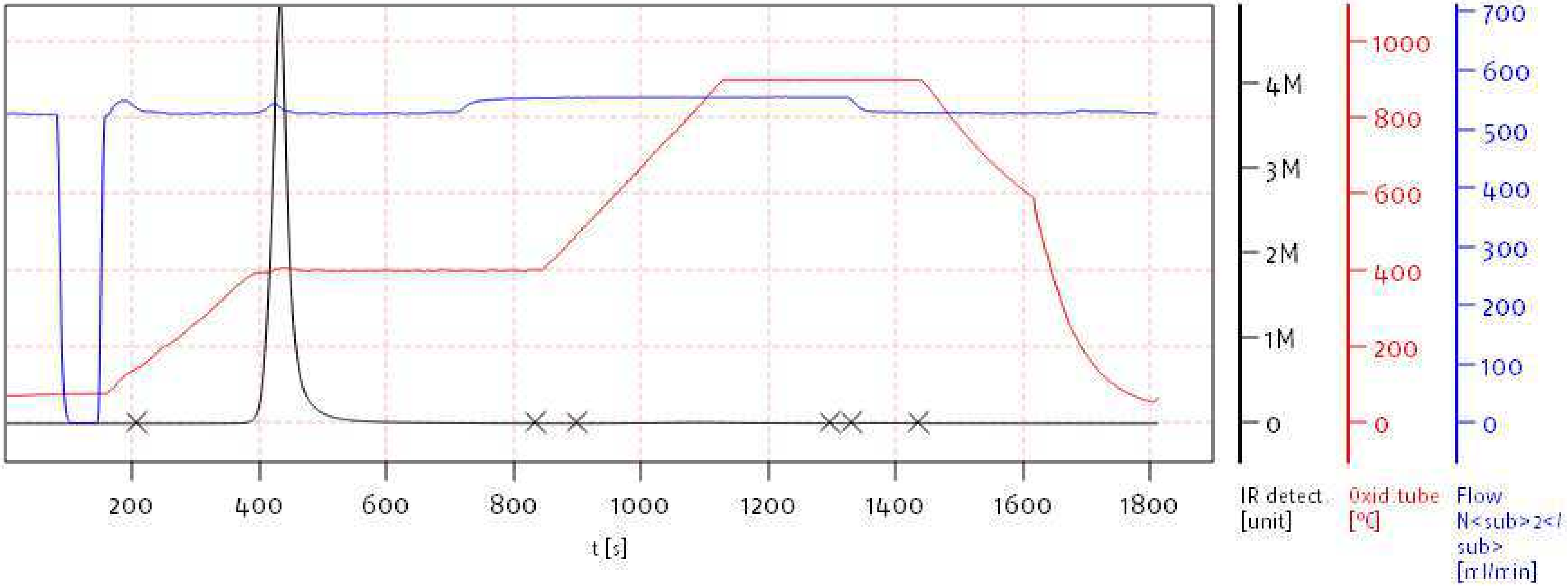
Date: Tue Jan 3 07:07:46 2023

soliTOC V2.0.2 (31015f9) 2018-11-19
Serial No: 0300.181017
Mode CCC

Soli TOC Cube, Carbon
Balance: BAL3
Analyst: DOE

	Pos.	Name	Weight [mg]	Memo	Method	Date Time	Info	TOC [%]	TOC400 Area	TC [%]	ROC [%]	ROC Area	TIC900 Area	TOC400 [%]	TIC900 [%]	TOC400 Factor	TIC900 Factor
88	88	SKL0 336-CCV 7	19.80		CARBON	12/30/20 22 10:45 AM	bl	46.118	6 061 556	46.639	0.000	19 488	93 189	46.118	0.521	0.9774	1.0000



Name:

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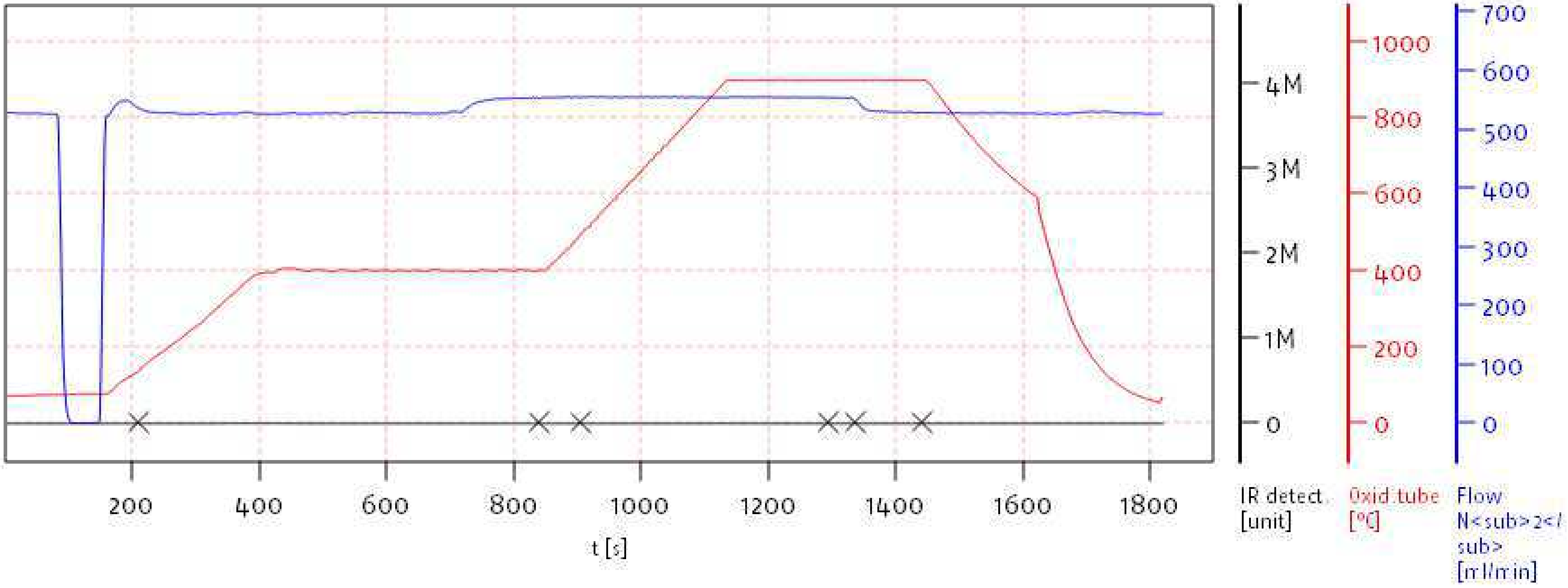
Date: Tue Jan 3 07:07:46 2023

soliTOC V2.0.2 (31015f9) 2018-11-19
Serial No: 0300.181017
Mode CCC

Soli TOC Cube, Carbon
Balance: BAL3
Analyst: DOE

	Pos.	Name	Weight [mg]	Memo	Method	Date Time	Info	TOC [%]	TOC400 Area	TC [%]	ROC [%]	ROC Area	TIC900 Area	TOC400 [%]	TIC900 [%]	TOC400 Factor	TIC900 Factor
89	89	SKL0336-CCB7	527.20		CARBON	12/30/2022 11:16 AM	bl,C2u	0.000	9 254	0.000	0.000	702	4 532	0.000	0.000	0.9774	1.0000



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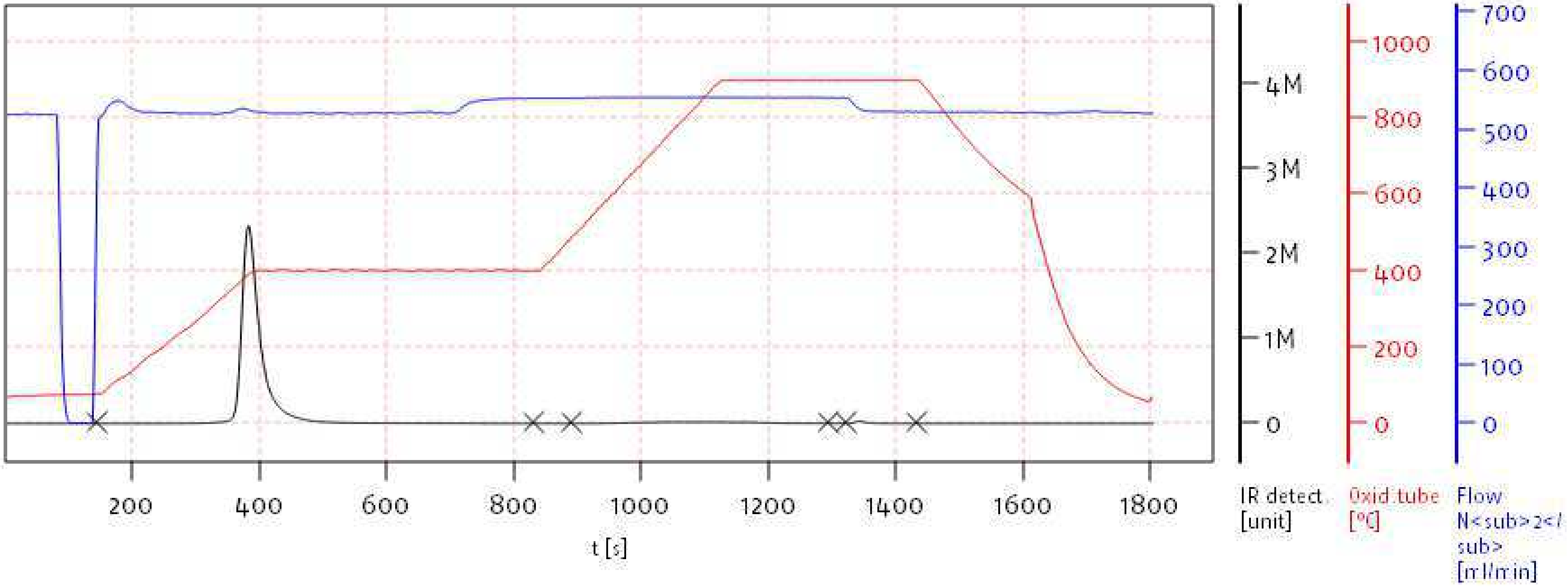
Date: Tue Jan 3 07:07:46 2023

soliTOC V2.0.2 (31015f9) 2018-11-19
Serial No: 0300.181017
Mode CCC

Soli TOC Cube, Carbon
Balance: BAL3
Analyst: DOE

	Pos.	Name	Weight [mg]	Memo	Method	Date Time	Info	TOC [%]	TOC400 Area	TC [%]	ROC [%]	ROC Area	TIC900 Area	TOC400 [%]	TIC900 [%]	TOC400 Factor	TIC900 Factor
90	1	22L0246-32RE1	201.00		CARBON	12/30/2022 11:47 AM	bl	2.232	2 991 164	2.320	0.000	22 517	141 451	2.232	0.089	0.9774	1.0000



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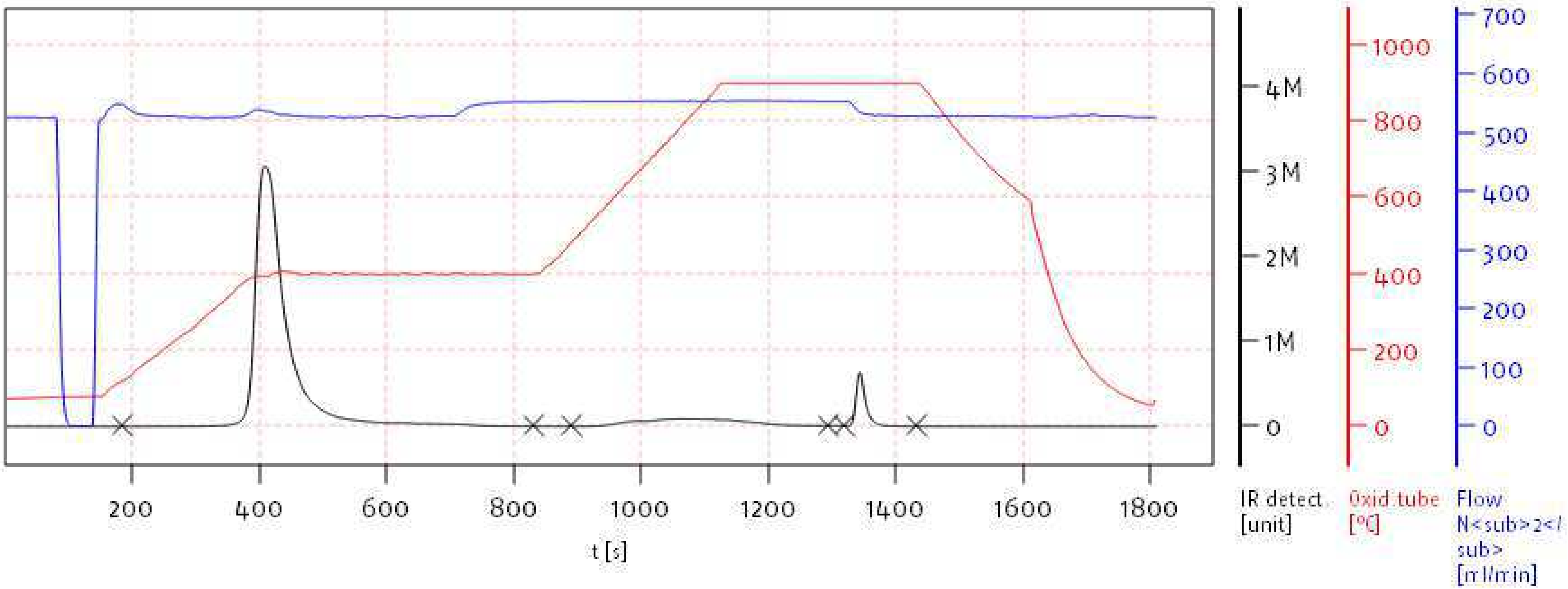
Date: Tue Jan 3 07:07:46 2023

soliTOC V2.0.2 (31015f9) 2018-11-19
Serial No: 0300.181017
Mode CCC

Soli TOC Cube, Carbon
Balance: BAL3
Analyst: DOE

	Pos.	Name	Weight [mg]	Memo	Method	Date Time	Info	TOC [%]	TOC400 Area	TC [%]	ROC [%]	ROC Area	TIC900 Area	TOC400 [%]	TIC900 [%]	TOC400 Factor	TIC900 Factor
91	2	BKL0385-MS2	508.50	0.0084	CARBON	12/30/2022 12:17 PM	bl	2.025	6 424 375	2.236	0.122	425 995	719 774	1.904	0.211	0.9774	1.0000



Name:

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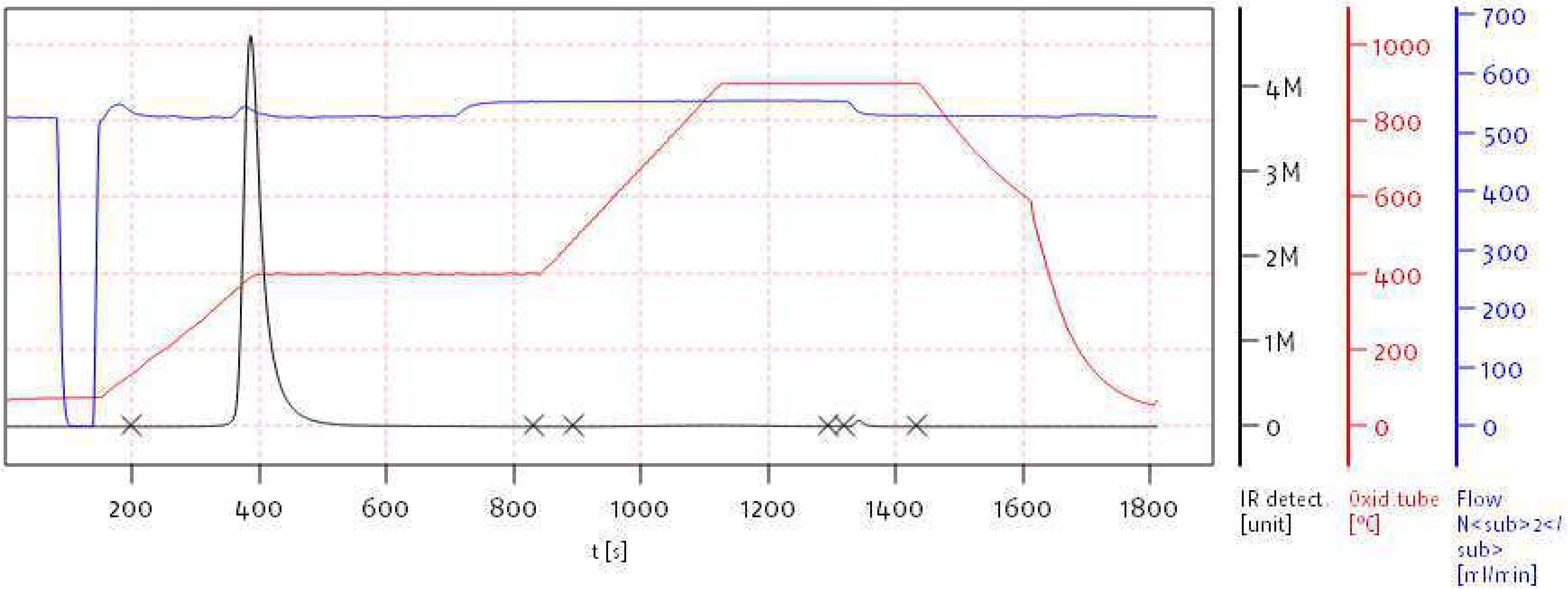
Date: Tue Jan 3 07:07:46 2023

elementar
EXCELLENCE IN ELEMENTS

soliTOC V2.0.2 (31015f9) 2018-11-19
Serial No: 0300.181017
Mode CCC

Soli TOC Cube, Carbon
Balance: BAL3
Analyst: DOE

	Pos.	Name	Weight [mg]	Memo	Method	Date Time	Info	TOC [%]	TOC400 Area	TC [%]	ROC [%]	ROC Area	TIC900 Area	TOC400 [%]	TIC900 [%]	TOC400 Factor	TIC900 Factor
92	3	BKL0300-MS2	203.00	0.0085	CARBON	12/30/2022 12:48 PM	bl	4.684	6 287 310	4.749	0.017	49 399	111 420	4.666	0.065	0.9774	1.0000



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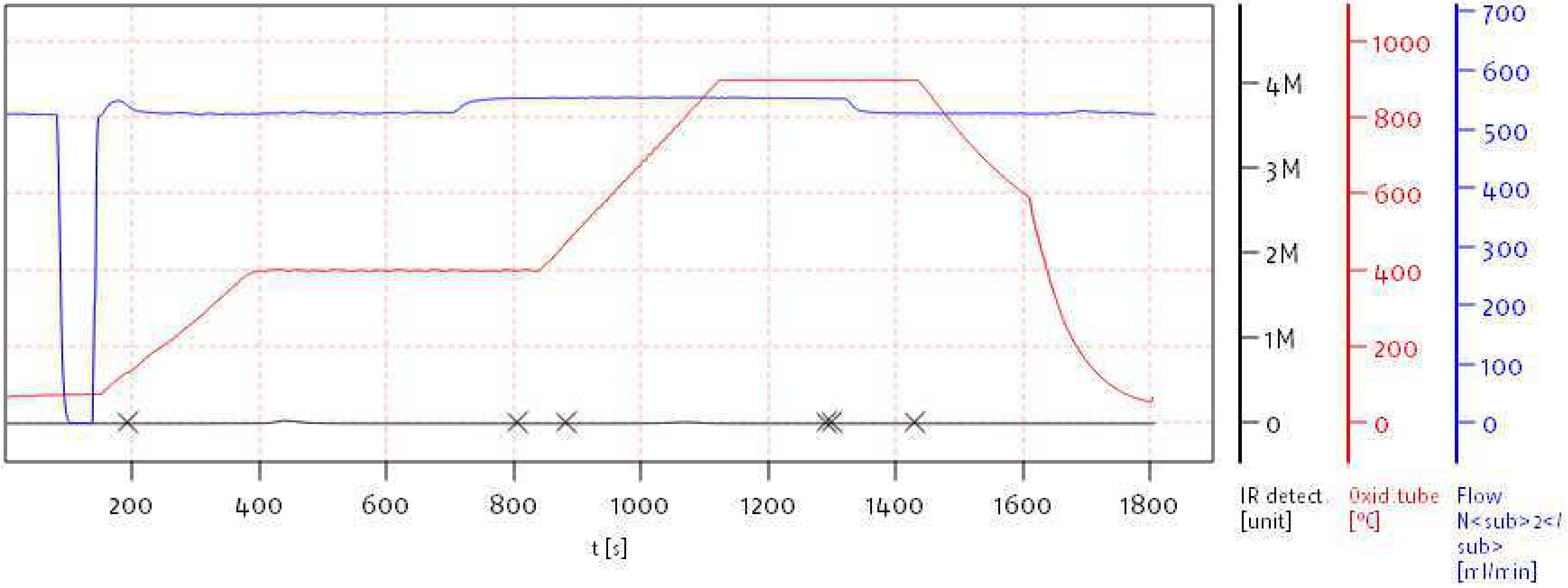
Date: Tue Jan 3 07:07:46 2023

soliTOC V2.0.2 (31015f9) 2018-11-19
Serial No: 0300.181017
Mode CCC

Soli TOC Cube, Carbon
Balance: BAL3
Analyst: DOE

	Pos.	Name	Weight [mg]	Memo	Method	Date Time	Info	TOC [%]	TOC400 Area	TC [%]	ROC [%]	ROC Area	TIC900 Area	TOC400 [%]	TIC900 [%]	TOC400 Factor	TIC900 Factor
93	4	BKL0650-MRL1	505.40		CARBON	12/30/2022 1:18 PM	bl,C2u	0.013	69 320	0.016	0.000	612	36 409	0.013	0.003	0.9774	1.0000



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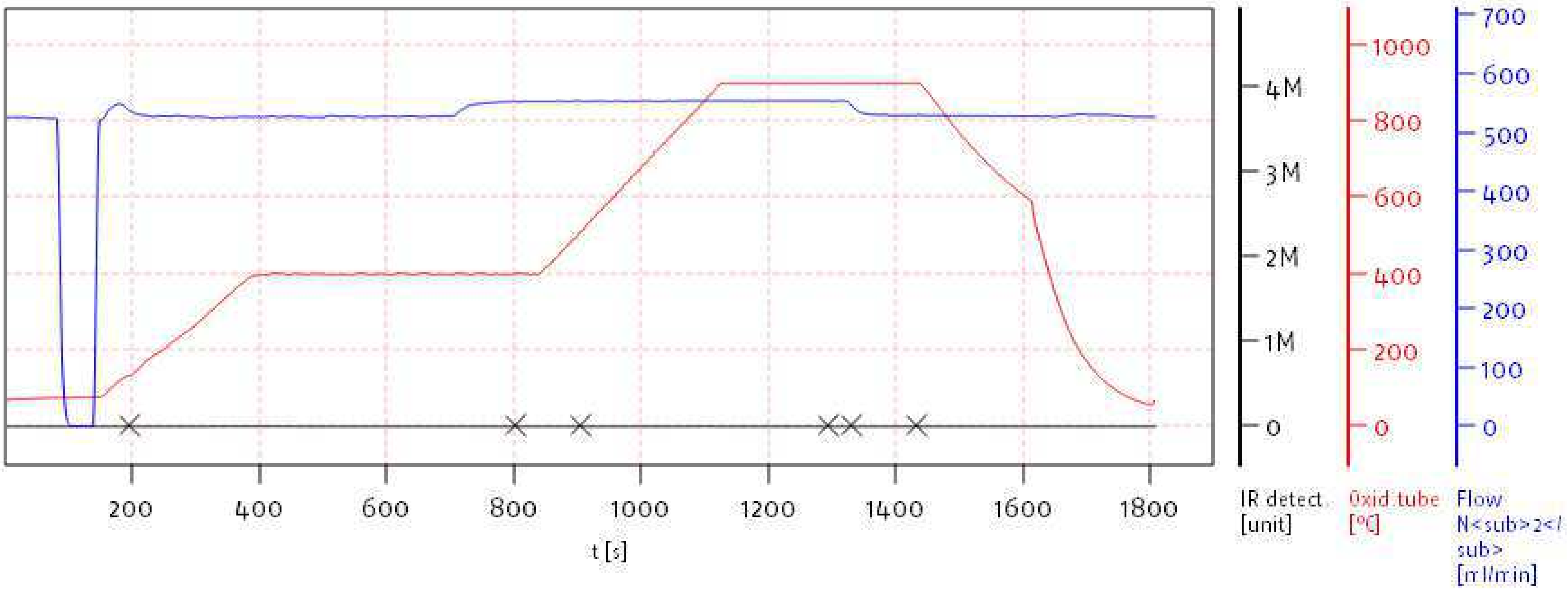
Serial No: 0300.181017
Mode CCC

Soli TOC Cube, Carbon
Balance: BAL3
Analyst: DOE

	Pos.	Name	Weight [mg]	Memo	Method	Date Time	Info	TOC [%]	TOC400 Area	TC [%]	ROC [%]	ROC Area	TIC900 Area	TOC400 [%]	TIC900 [%]	TOC400 Factor	TIC900 Factor
94	5	BKL0 650-BLK1	516.90		CARBON	12/30/2022 1:49 PM	bl,C2u	0.000	10 665	0.000	0.000	474	4 779	0.000	0.000	0.9774	1.0000



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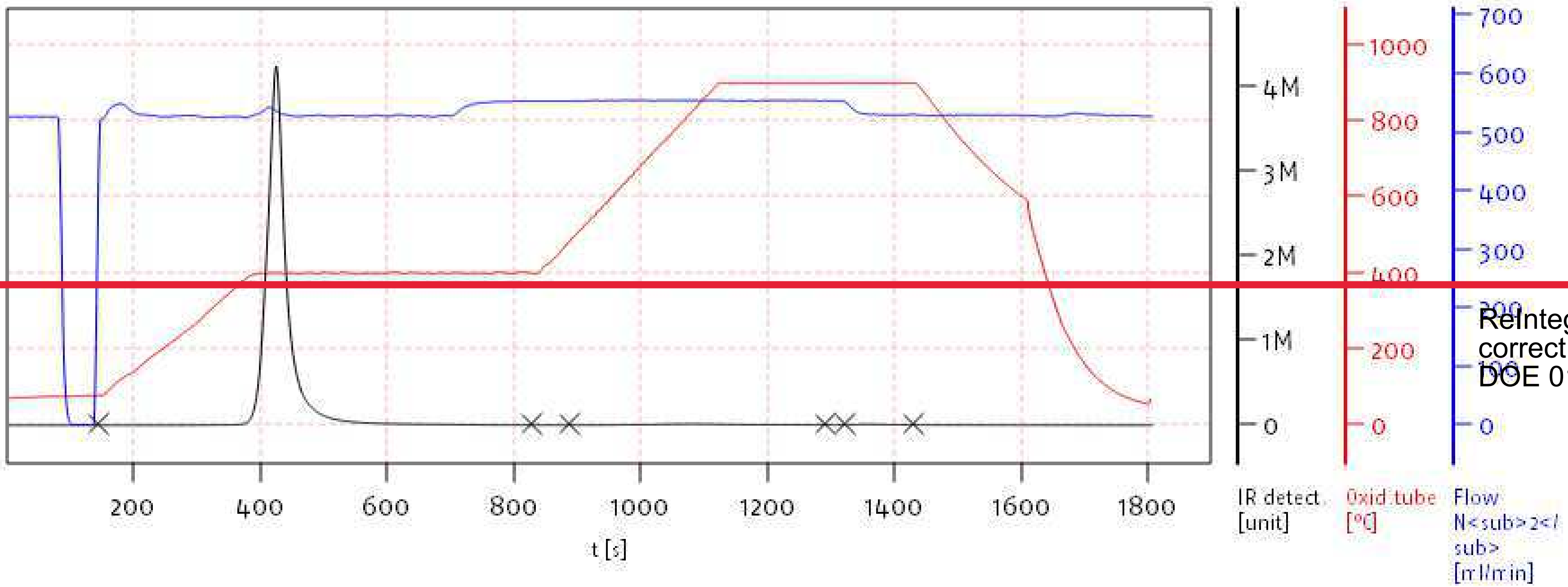
Date: Tue Jan 3 07:07:46 2023

soliTOC V2.0.2 (31015f9) 2018-11-19
Serial No: 0300.181017
Mode CCC

EXCELLENCE IN ELEMENTS

Soli TOC Cube, Carbon
Balance: BAL3
Analyst: DOE

	Pos.	Name	Weight [mg]	Memo	Method	Date Time	Info	TOC [%]	TOC400 Area	TC [%]	ROC [%]	ROC Area	TIC900 Area	TOC400 [%]	TIC900 [%]	TOC400 Factor	TIC900 Factor
95	6	BKL0650-BS1	191.00		CARBON	12/30/2022 2:19 PM	bl	4.508	5 715 005	4.570	0.001	28 228	103 151	4.506	0.062	0.9774	1.0000



ReIntegrated with correct weight DOE 01/03/23

Name:

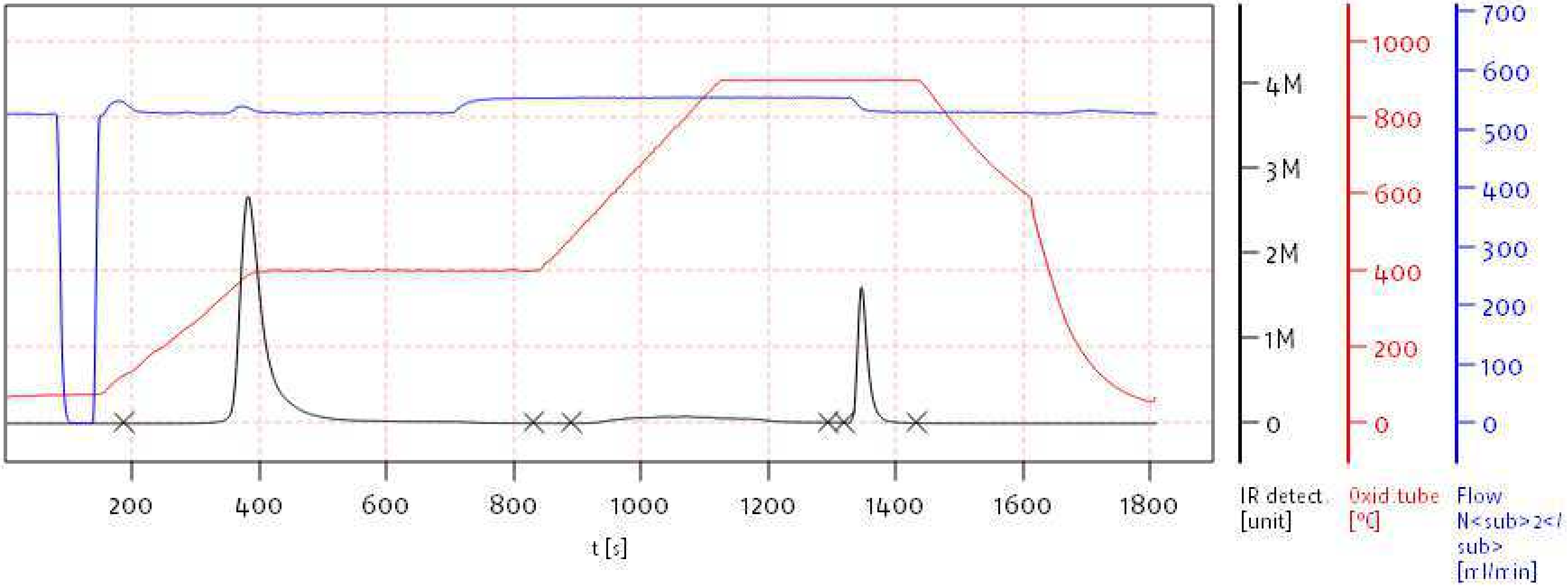
Access: soliTOC superuser

Date: Tue Jan 3 07:07:46 2023

soliTOC V2.0.2 (31015f9) 2018-11-19
Serial No: 0300.181017
Mode CCC

Soli TOC Cube, Carbon
Balance: BAL3
Analyst: DOE

	Pos.	Name	Weight [mg]	Memo	Method	Date Time	Info	TOC [%]	TOC400 Area	TC [%]	ROC [%]	ROC Area	TIC900 Area	TOC400 [%]	TIC900 [%]	TOC400 Factor	TIC900 Factor
96	7	BKL0650-SRM1	285.30		CARBON	12/30/2022 2:50 PM	bl	3.042	4 609 625	3.402	0.612	1 154 220	688 728	2.431	0.359	0.9774	1.0000



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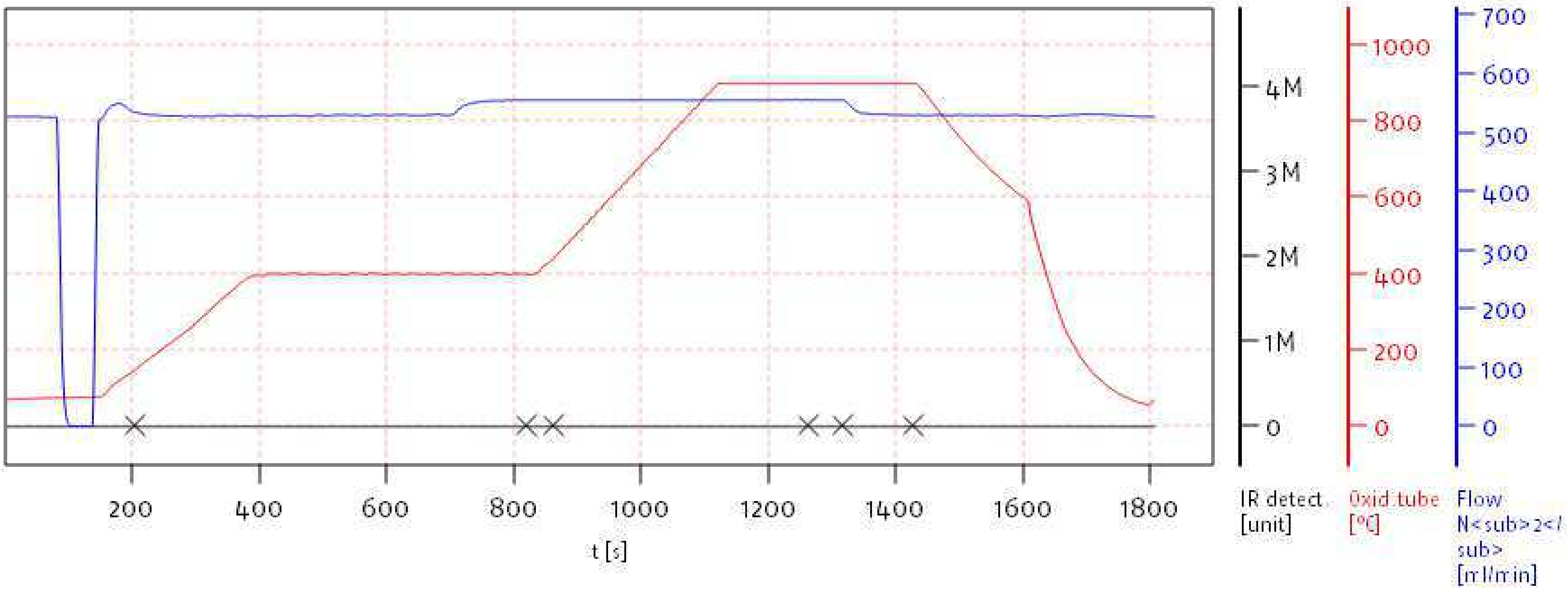
Mode CCC

Soli TOC Cube, Carbon
Balance: BAL3
Analyst: DOE

	Pos.	Name	Weight [mg]	Memo	Method	Date Time	Info	TOC [%]	TOC400 Area	TC [%]	ROC [%]	ROC Area	TIC900 Area	TOC400 [%]	TIC900 [%]	TOC400 Factor	TIC900 Factor
97	8	BLANK	1.00		CARBON	12/30/2022 3:20 PM	bl	0.000	4 983	0.000	0.000	560	822	0.000	0.000	0.9774	1.0000



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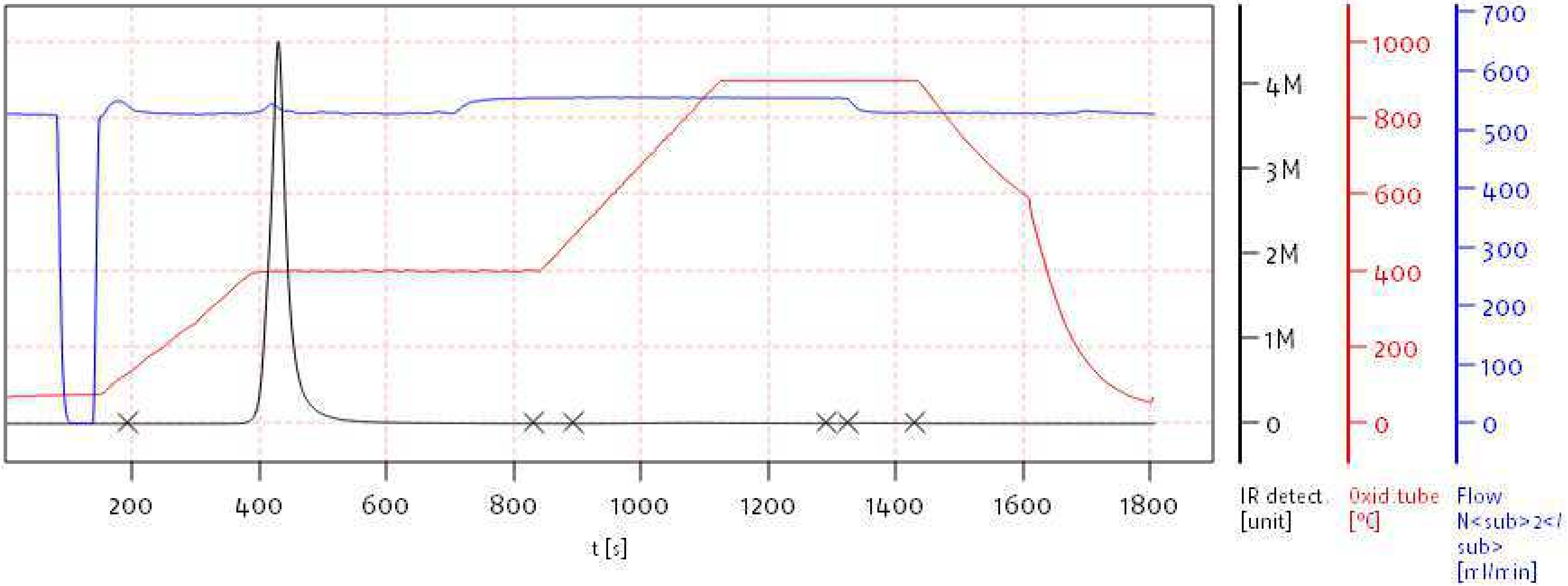
soliTOC V2.0.2 (31015f9) 2018-11-19
Serial No: 0300.181017
Mode CCC

Soli TOC Cube, Carbon
Balance: BAL3
Analyst: DOE

	Pos.	Name	Weight [mg]	Memo	Method	Date Time	Info	TOC [%]	TOC400 Area	TC [%]	ROC [%]	ROC Area	TIC900 Area	TOC400 [%]	TIC900 [%]	TOC400 Factor	TIC900 Factor
98	9	Dfactor	18.50		CARBON	12/30/2022 3:51 PM	bl	44.446	5 599 692	44.903	0.000	21 143	81 236	44.446	0.458	0.9531	1.0000



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Access: soliTOC superuser

Date: Tue Jan 3 07:07:46 2023

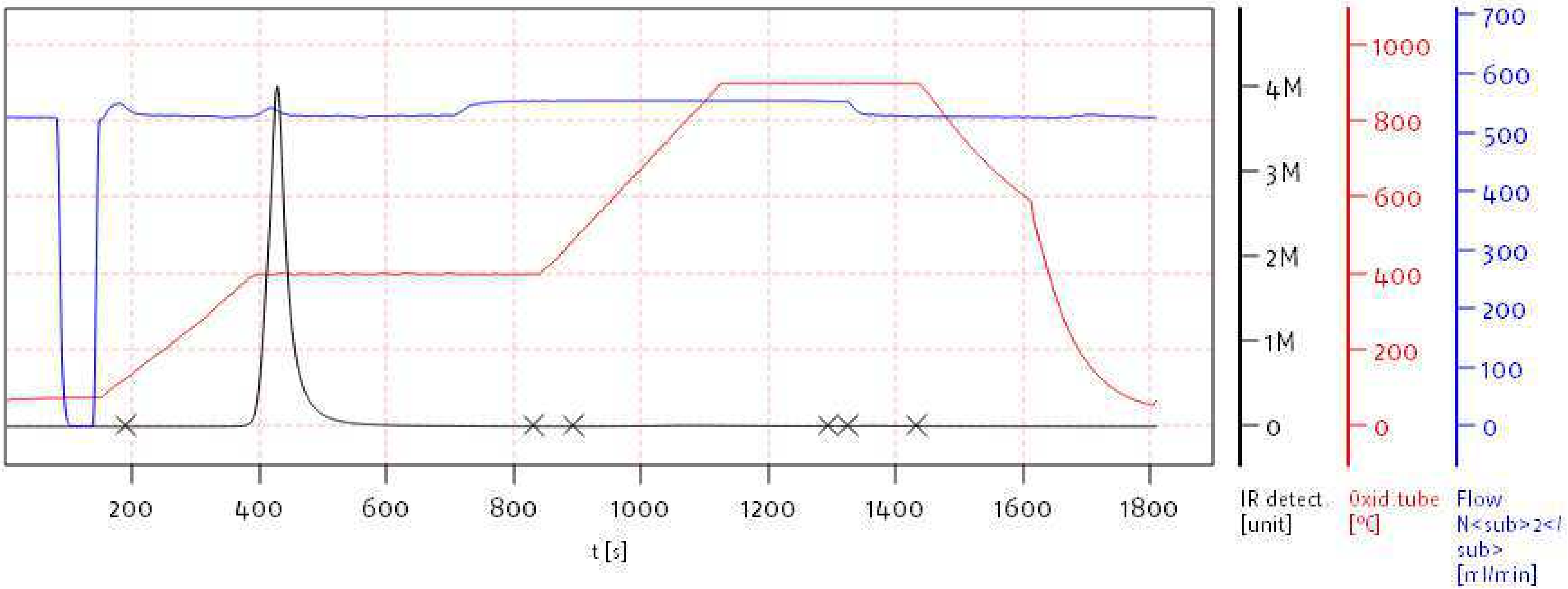
soliTOC V2.0.2 (31015f9) 2018-11-19
Serial No: 0300.181017
Mode CCC

elementar
EXCELLENCE IN ELEMENTS

Document: 122822 DOE from: 1/3/2023 7:07 AM

Soli TOC Cube, Carbon
Balance: BAL3
Analyst: DOE

	Pos.	Name	Weight [mg]	Memo	Method	Date Time	Info	TOC [%]	TOC400 Area	TC [%]	ROC [%]	ROC Area	TIC900 Area	TOC400 [%]	TIC900 [%]	TOC400 Factor	TIC900 Factor
99	10	Dfactor	19.20		CARBON	12/30/2022 4:22 PM	bl	44.458	5 705 068	45.092	0.012	28 017	105 190	44.446	0.634	0.9708	1.0000



Name:

Access: soliTOC superuser

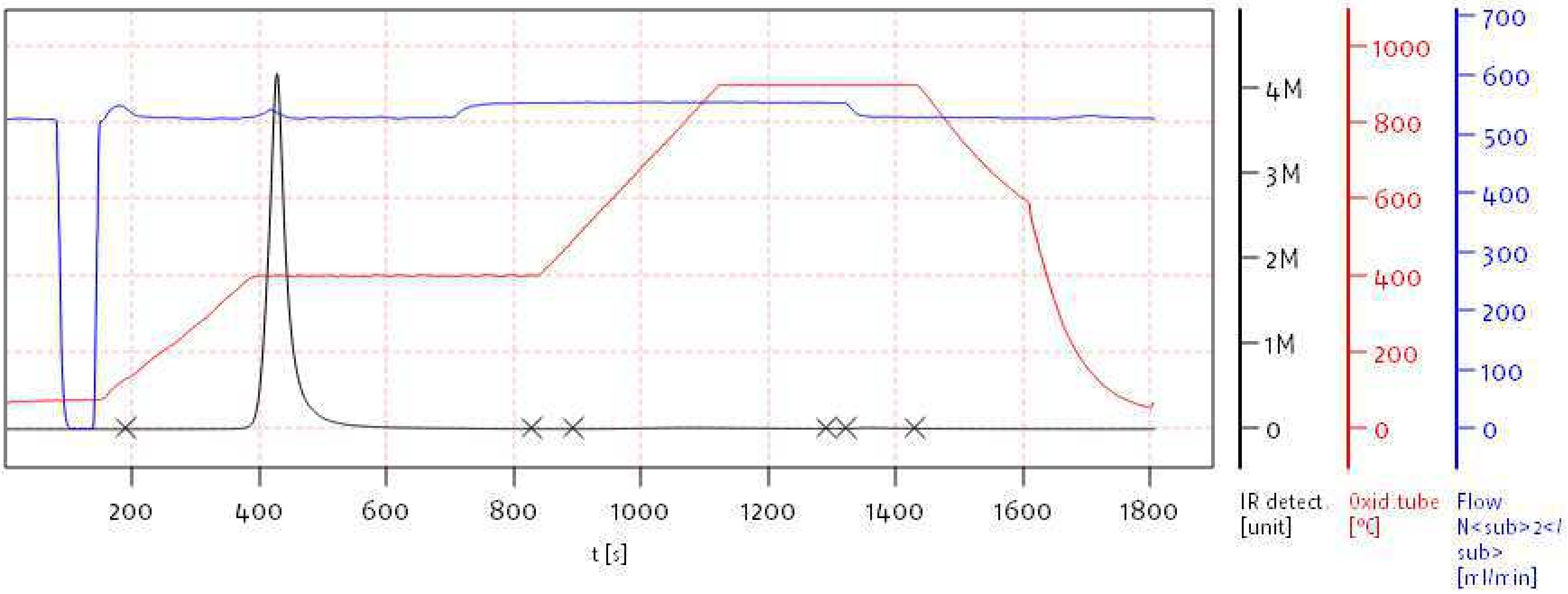
Date: Tue Jan 3 07:07:46 2023

soliTOC V2.0.2 (31015f9) 2018-11-19
Serial No: 0300.181017
Mode CCC

elementar
EXCELLENCE IN ELEMENTS

Soli TOC Cube, Carbon
Balance: BAL3
Analyst: DOE

	Pos.	Name	Weight [mg]	Memo	Method	Date Time	Info	TOC [%]	TOC400 Area	TC [%]	ROC [%]	ROC Area	TIC900 Area	TOC400 [%]	TIC900 [%]	TOC400 Factor	TIC900 Factor
100	11	SKL0336-CCV8	19.00		CARBON	12/30/2022 4:52 PM	bl	43.776	5 599 287	44.606	0.102	39 002	128 357	43.675	0.830	0.9619	1.0000



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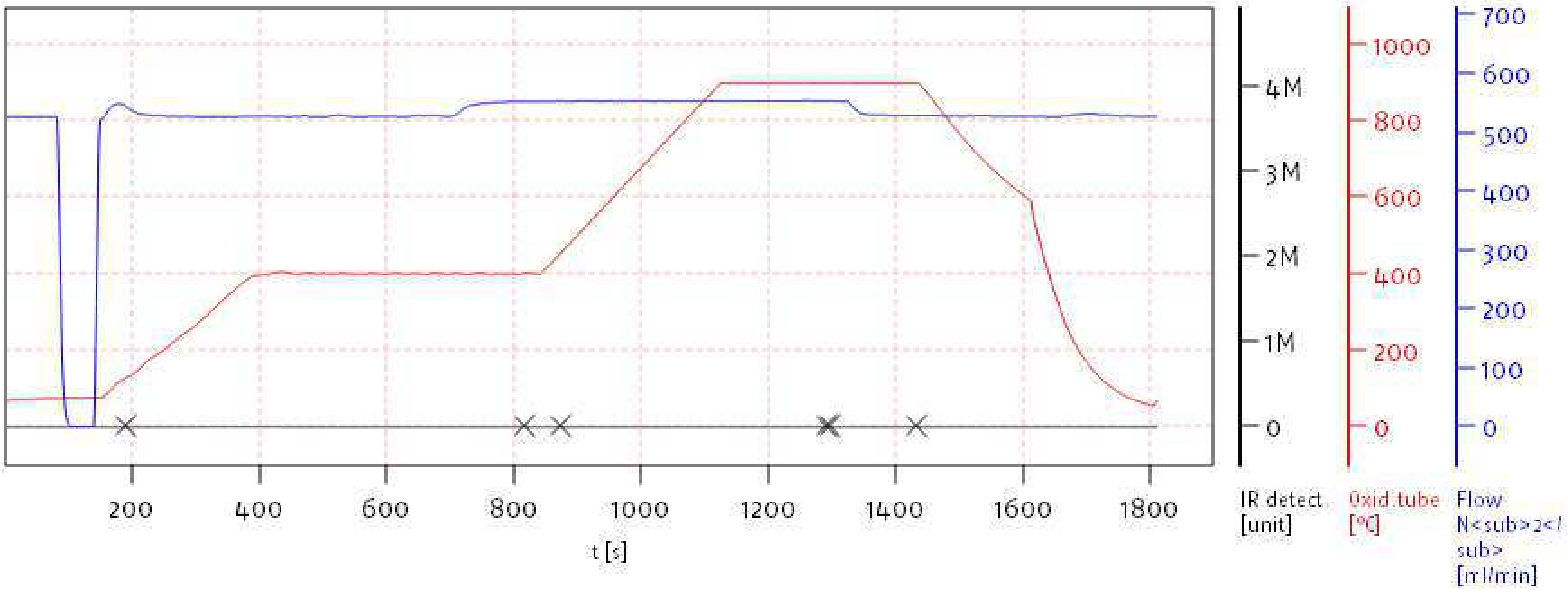
soliTOC V2.0.2 (31015f9) 2018-11-19
Serial No: 0300.181017
Mode CCC

Soli TOC Cube, Carbon
Balance: BAL3
Analyst: DOE

	Pos.	Name	Weight [mg]	Memo	Method	Date Time	Info	TOC [%]	TOC400 Area	TC [%]	ROC [%]	ROC Area	TIC900 Area	TOC400 [%]	TIC900 [%]	TOC400 Factor	TIC900 Factor
101	12	SKL0336-CCB8	508.00		CARBON	12/30/2022 5:23 PM	bl,C3u,C2u	0.000	10 601	0.000	0.000	1 270	233	0.000	0.000	0.9619	1.0000



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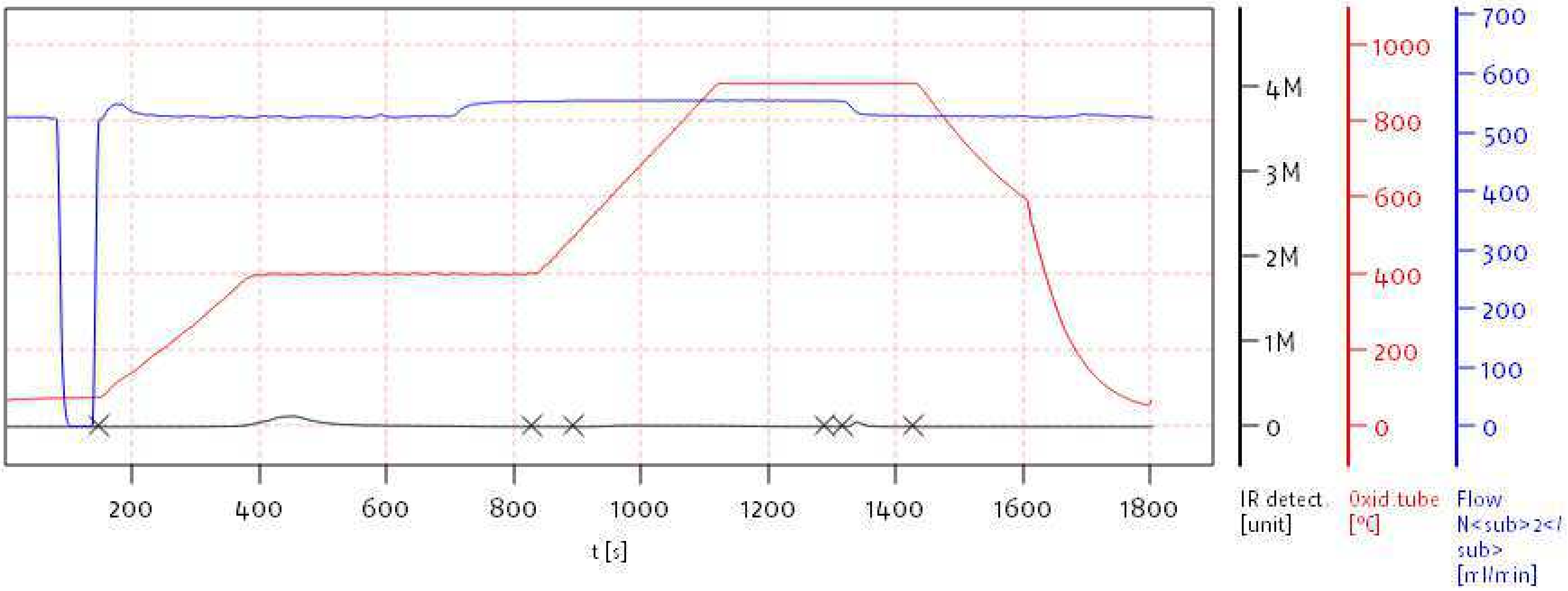
Soli TOC Cube, Carbon
Balance: BAL3
Analyst: DOE

	Pos.	Name	Weight [mg]	Memo	Method	Date Time	Info	TOC [%]	TOC400 Area	TC [%]	ROC [%]	ROC Area	TIC900 Area	TOC400 [%]	TIC900 [%]	TOC400 Factor	TIC900 Factor
102	13	22L0329-01	518.20		CARBON	12/30/2022 5:53 PM	bl	0.150	531 470	0.177	0.005	42 849	116 986	0.145	0.027	0.9619	1.0000



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Serial No: 0300.181017
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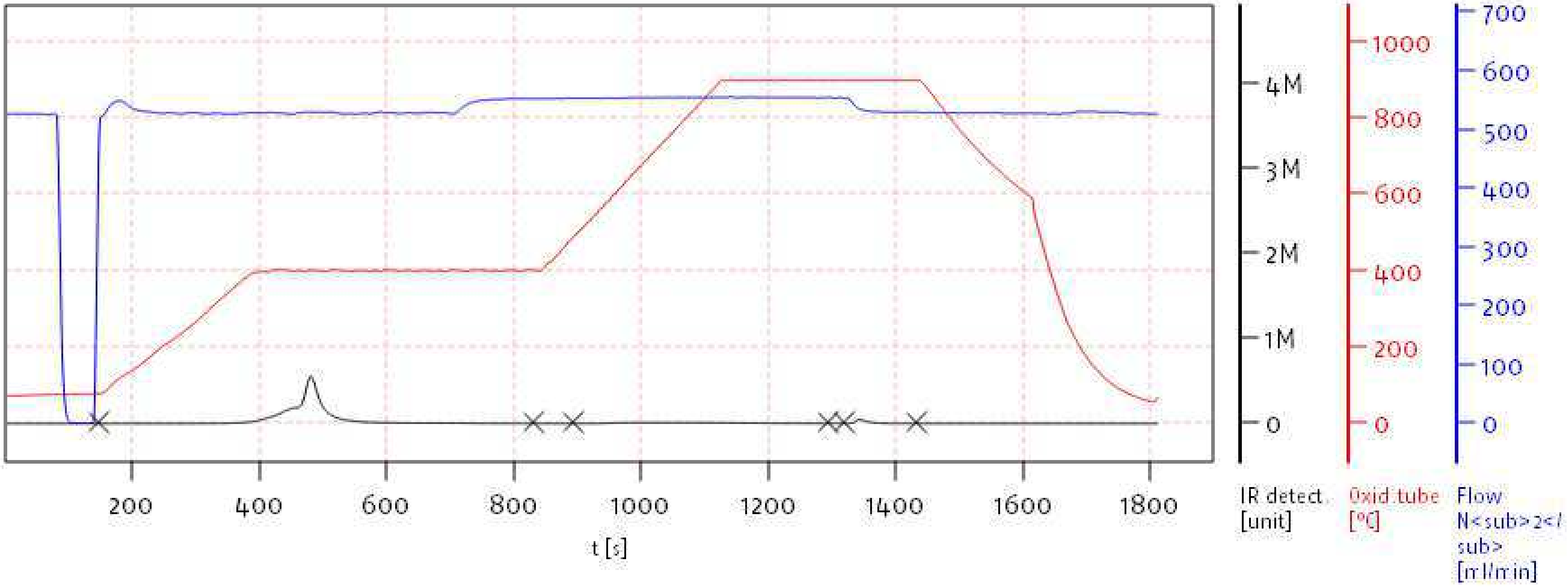
Soli TOC Cube, Carbon
Balance: BAL3
Analyst: DOE

	Pos.	Name	Weight [mg]	Memo	Method	Date Time	Info	TOC [%]	TOC400 Area	TC [%]	ROC [%]	ROC Area	TIC900 Area	TOC400 [%]	TIC900 [%]	TOC400 Factor	TIC900 Factor
103	14	BKL0650-DUP 1	513.70		CARBON	12/30/2022 6:24 PM	bl	0.297	1 034 967	0.317	0.004	41 051	94 719	0.292	0.021	0.9619	1.0000



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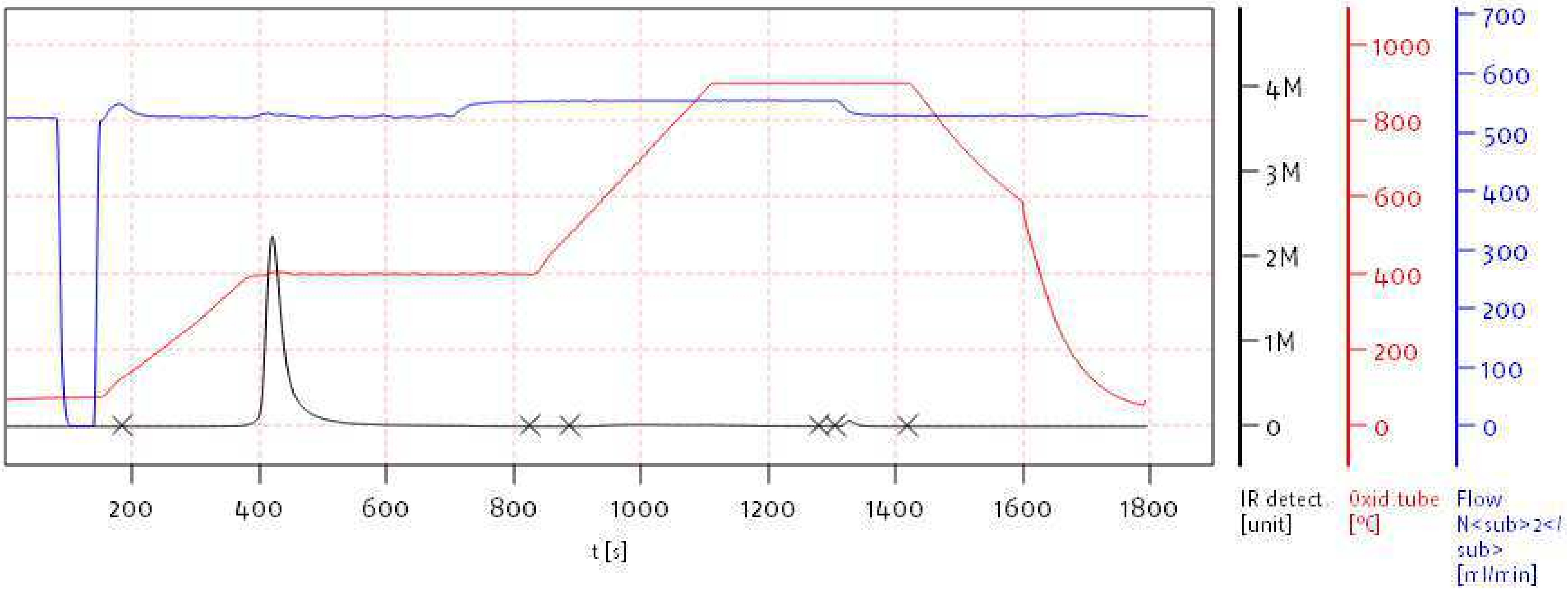
Serial No: 0300.181017
Mode CCC

Soli TOC Cube, Carbon
Balance: BAL3
Analyst: DOE

	Pos.	Name	Weight [mg]	Memo	Method	Date Time	Info	TOC [%]	TOC400 Area	TC [%]	ROC [%]	ROC Area	TIC900 Area	TOC400 [%]	TIC900 [%]	TOC400 Factor	TIC900 Factor
104	15	BKL0 650-MS1	514.80	0. 0084	CARBON	12/30/20 22 6:54 PM	bl	0.881	3 045 474	0.926	0.008	52 341	174 645	0.873	0.045	0.9619	1.0000



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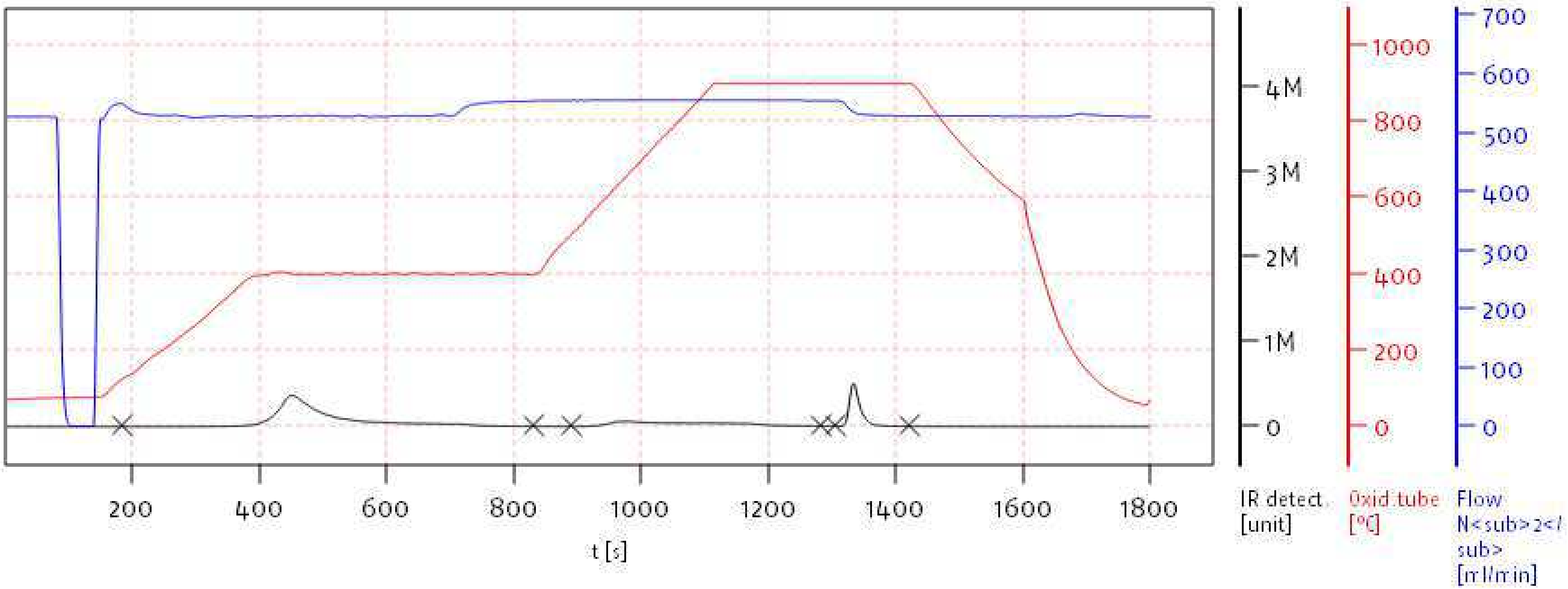
Date: Tue Jan 3 07:07:46 2023

soliTOC V2.0.2 (31015f9) 2018-11-19
Serial No: 0300.181017
Mode CCC

Document: 122822 DOE from: 1/3/2023 7:07 AM

Soli TOC Cube, Carbon
Balance: BAL3
Analyst: DOE

	Pos.	Name	Weight [mg]	Memo	Method	Date Time	Info	TOC [%]	TOC400 Area	TC [%]	ROC [%]	ROC Area	TIC900 Area	TOC400 [%]	TIC900 [%]	TOC400 Factor	TIC900 Factor
105	16	22L0329-02	515.60		CARBON	12/30/2022 7:24 PM	bl	0.494	1 362 305	0.623	0.108	386 919	454 739	0.386	0.129	0.9619	1.0000



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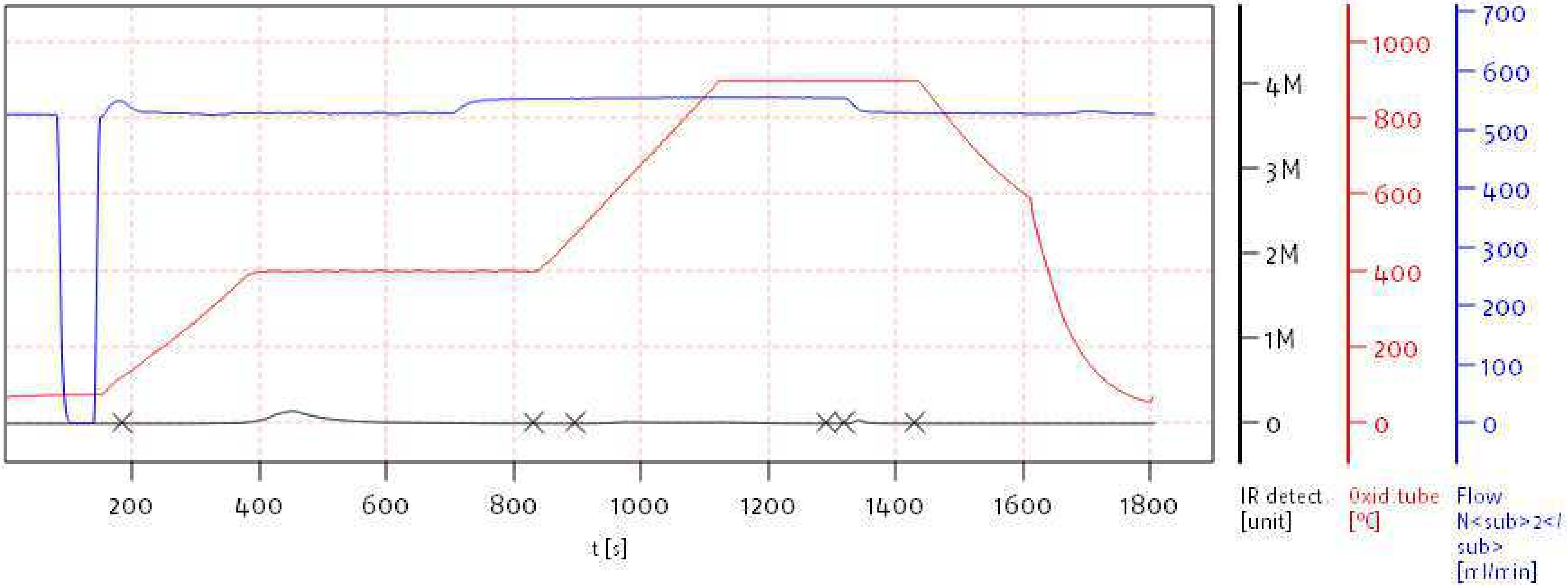
Serial No: 0300.181017
Mode CCC

Document: 122822 DOE from: 1/3/2023 7:07 AM

Soli TOC Cube, Carbon
Balance: BAL3
Analyst: DOE

	Pos.	Name	Weight [mg]	Memo	Method	Date Time	Info	TOC [%]	TOC400 Area	TC [%]	ROC [%]	ROC Area	TIC900 Area	TOC400 [%]	TIC900 [%]	TOC400 Factor	TIC900 Factor
106	17	22L0329-03	524.60		CARBON	12/30/2022 7:55 PM	bl	0.165	603 459	0.195	0.002	32 020	127 095	0.164	0.030	0.9619	1.0000



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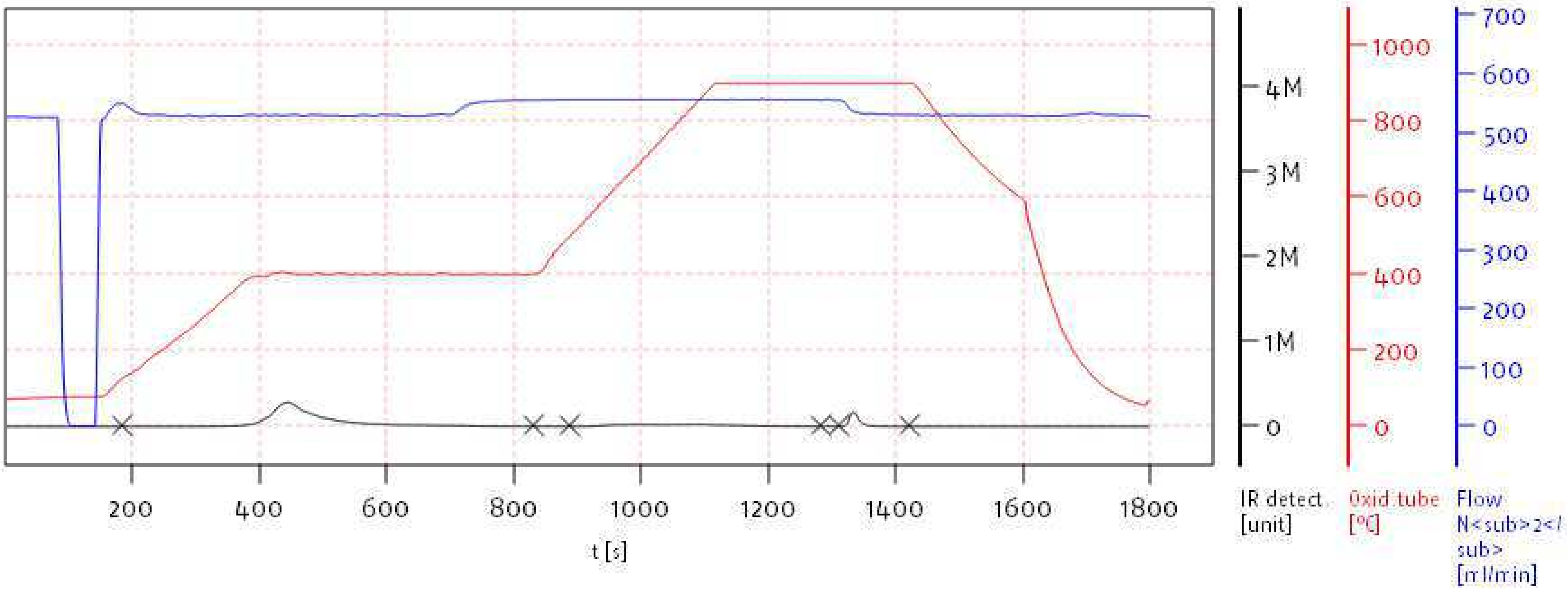
Serial No: 0300.181017
Mode CCC

Soli TOC Cube, Carbon
Balance: BAL3
Analyst: DOE

	Pos.	Name	Weight [mg]	Memo	Method	Date Time	Info	TOC [%]	TOC400 Area	TC [%]	ROC [%]	ROC Area	TIC900 Area	TOC400 [%]	TIC900 [%]	TOC400 Factor	TIC900 Factor
107	18	22L0329-04	508.00		CARBON	12/30/2022 8:25 PM	bl	0.315	1 008 067	0.367	0.027	114 928	198 185	0.288	0.052	0.9619	1.0000



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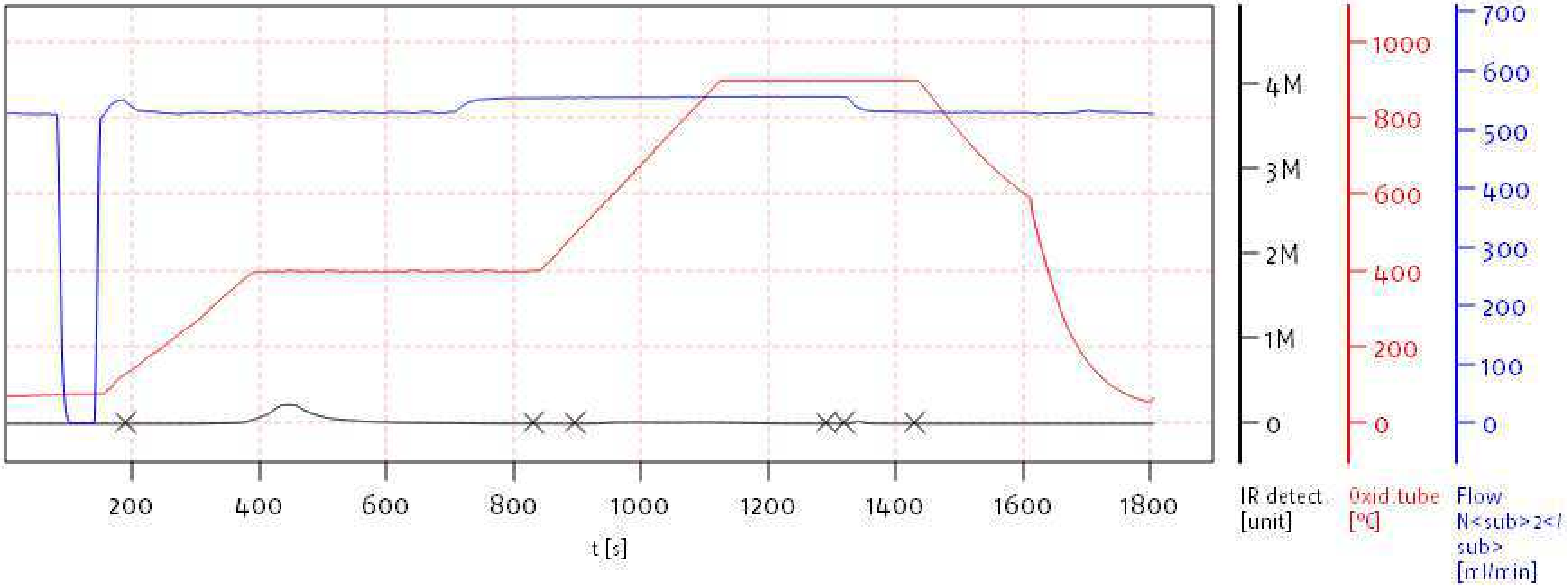
Mode CCC

Soli TOC Cube, Carbon
Balance: BAL3
Analyst: DOE

	Pos.	Name	Weight [mg]	Memo	Method	Date Time	Info	TOC [%]	TOC400 Area	TC [%]	ROC [%]	ROC Area	TIC900 Area	TOC400 [%]	TIC900 [%]	TOC400 Factor	TIC900 Factor
108	19	22L0329-05	528.60		CARBON	12/30/2022 8:56 PM	bl	0.236	863 536	0.272	0.000	21 883	149 709	0.236	0.036	0.9619	1.0000



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soliTOC V2.0.2 (31015f9) 2018-11-19
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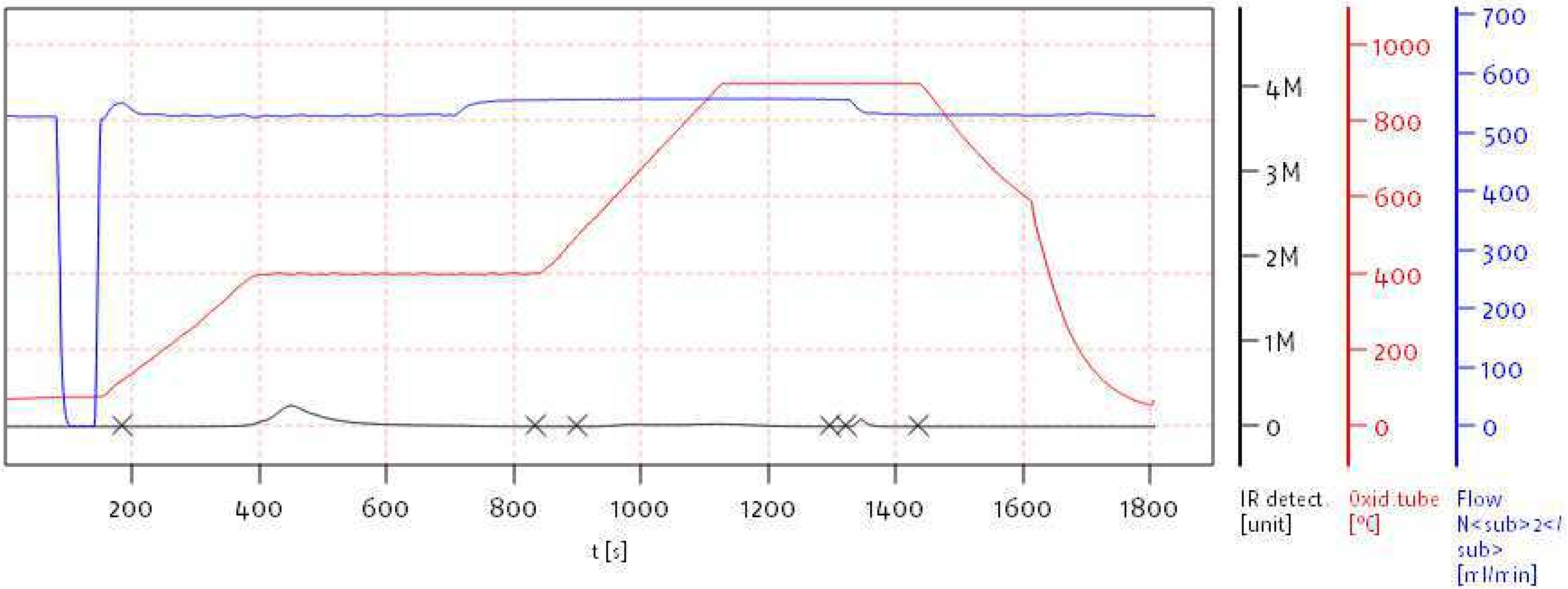
EXCELLENCE IN ELEMENTS

Soli TOC Cube, Carbon
Balance: BAL3
Analyst: DOE

	Pos.	Name	Weight [mg]	Memo	Method	Date Time	Info	TOC [%]	TOC400 Area	TC [%]	ROC [%]	ROC Area	TIC900 Area	TOC400 [%]	TIC900 [%]	TOC400 Factor	TIC900 Factor
109	20	22L0329-06	613.90		CARBON	12/30/2022 9:26 PM	bl	0.233	954 400	0.283	0.008	57 736	223 398	0.225	0.050	0.9619	1.0000



Name:

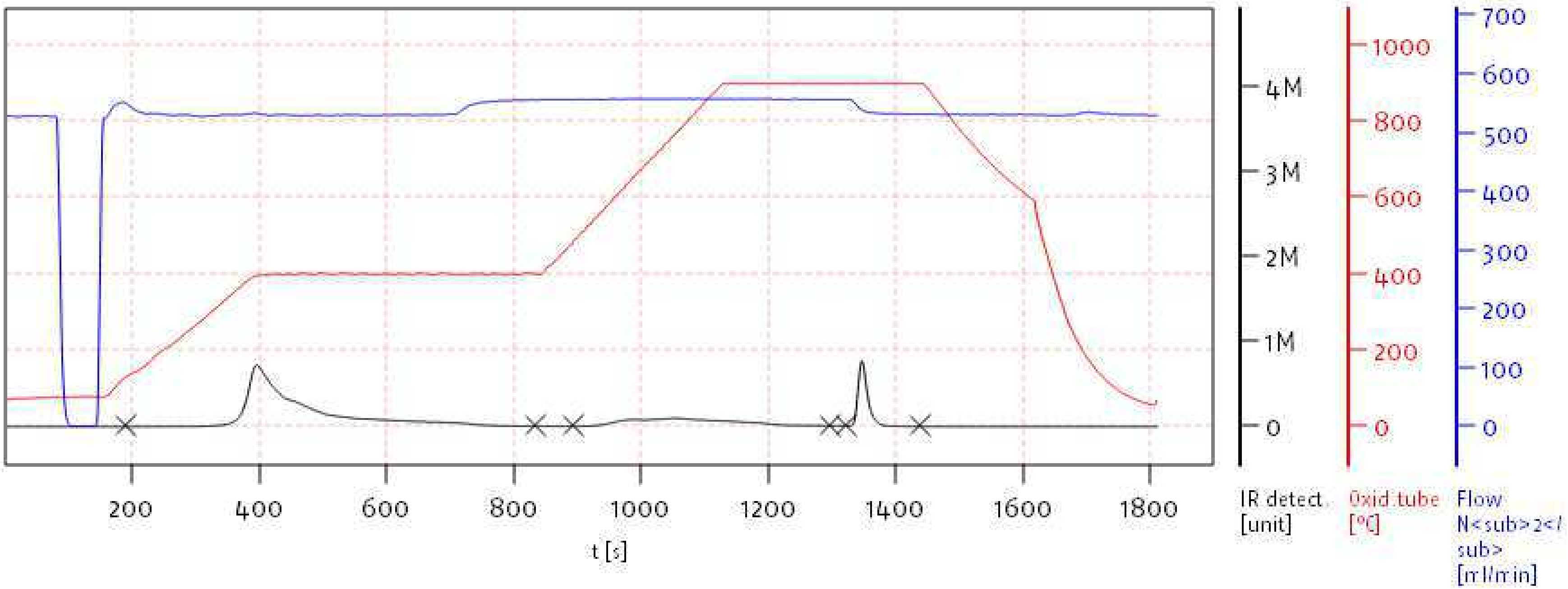
Access: soliTOC superuser

Date: Tue Jan 3 07:07:46 2023

soliTOC V2.0.2 (31015f9) 2018-11-19
Serial No: 0300.181017
Mode CCC

Soli TOC Cube, Carbon
Balance: BAL3
Analyst: DOE

	Pos.	Name	Weight [mg]	Memo	Method	Date Time	Info	TOC [%]	TOC400 Area	TC [%]	ROC [%]	ROC Area	TIC900 Area	TOC400 [%]	TIC900 [%]	TOC400 Factor	TIC900 Factor
110	21	22L0329-07	534.50		CARBON	12/30/2022 9:57 PM	bl	0.866	2 621 611	1.078	0.143	518 883	760 664	0.723	0.213	0.9619	1.0000



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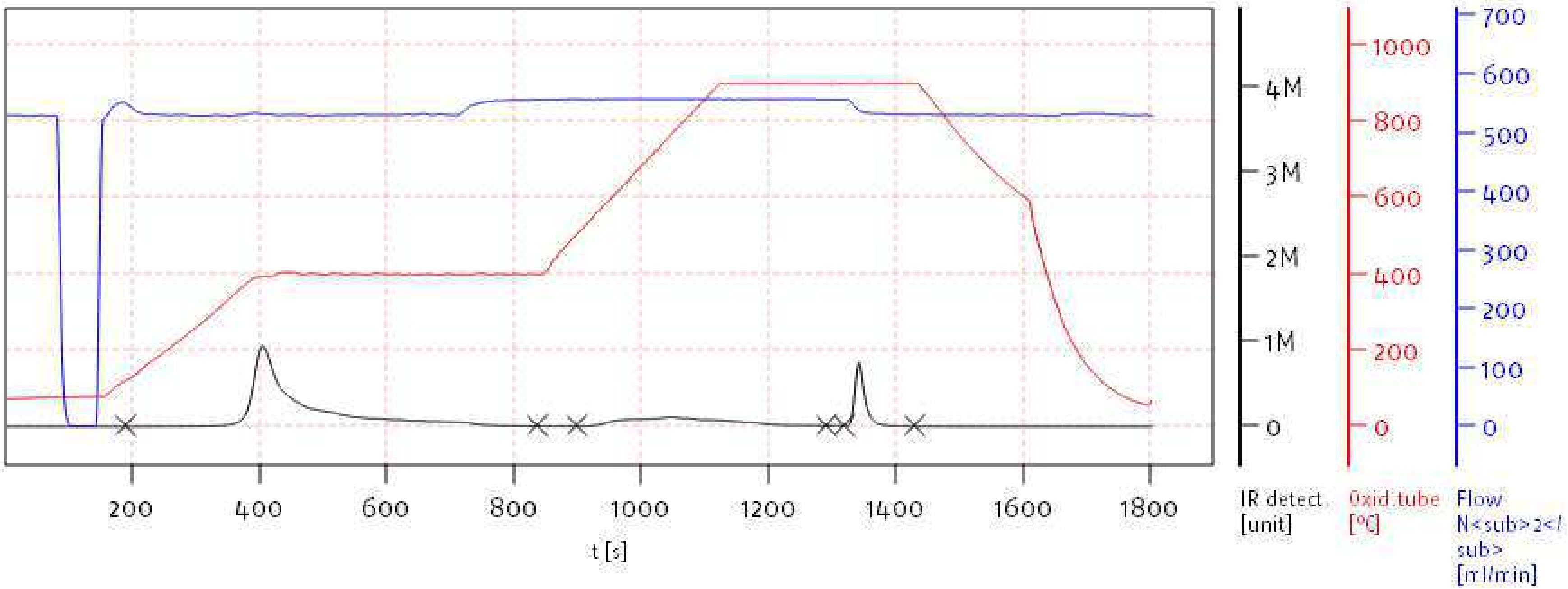
soliTOC V2.0.2 (31015f9) 2018-11-19
Serial No: 0300.181017
Mode CCC

Soli TOC Cube, Carbon
Balance: BAL3
Analyst: DOE

	Pos.	Name	Weight [mg]	Memo	Method	Date Time	Info	TOC [%]	TOC400 Area	TC [%]	ROC [%]	ROC Area	TIC900 Area	TOC400 [%]	TIC900 [%]	TOC400 Factor	TIC900 Factor
111	22	22L0329-08	546.20		CARBON	12/30/2022 10:27 PM	bl	0.927	2 902 928	1.147	0.142	528 790	805 202	0.784	0.221	0.9619	1.0000



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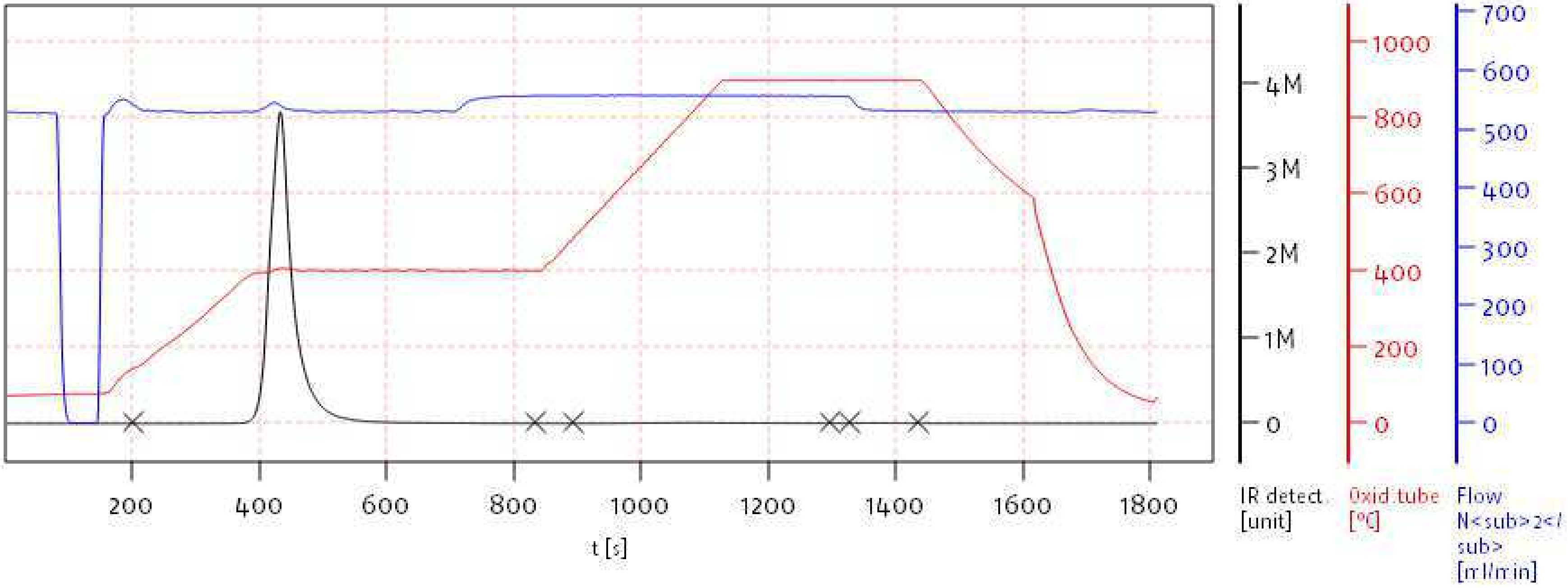
soliTOC V2.0.2 (31015f9) 2018-11-19
Serial No: 0300.181017
Mode CCC

	Pos.	Name	Weight [mg]	Memo	Method	Date Time	Info	TOC [%]	TOC400 Area	TC [%]	ROC [%]	ROC Area	TIC900 Area	TOC400 [%]	TIC900 [%]	TOC400 Factor	TIC900 Factor
112	23	SKL0336-CCV9	19.60		CARBON	12/30/2022 10:58 PM	bl	44.389	5 869 243	44.777	0.000	18 812	75 632	44.389	0.388	0.9619	1.0000

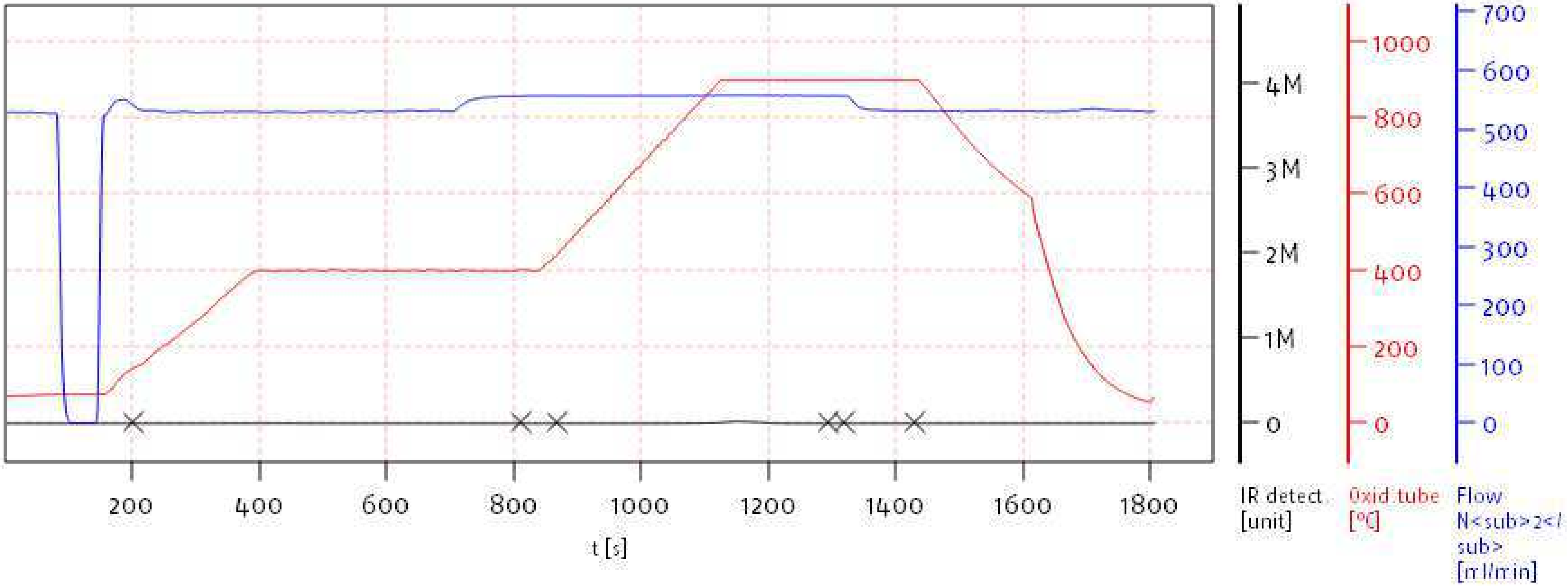


soliTOC V2.0.2 (31015f9) 2018-11-19
Serial No: 0300.181017
Mode CCC

Soli TOC Cube, Carbon

Balance: BAL3
Analyst: DOE

	Pos.	Name	Weight [mg]	Memo	Method	Date Time	Info	TOC [%]	TOC400 Area	TC [%]	ROC [%]	ROC Area	TIC900 Area	TOC400 [%]	TIC900 [%]	TOC400 Factor	TIC900 Factor
113	24	SKL0336-CCB9	507.20		CARBON	12/30/2022 11:29 PM	bl,C2u	0.000	9 554	0.011	0.000	529	64 066	0.000	0.011	0.9619	1.0000



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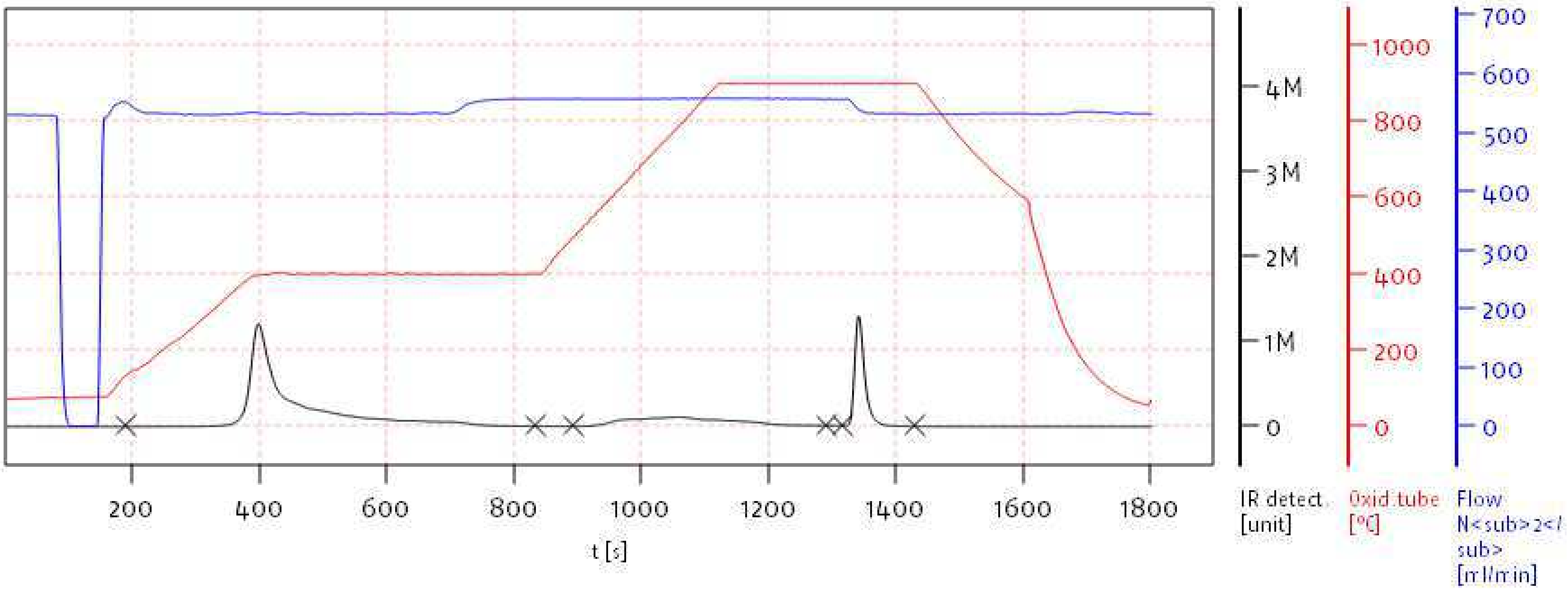
Serial No: 0300.181017
Mode CCC

Soli TOC Cube, Carbon
Balance: BAL3
Analyst: DOE

	Pos.	Name	Weight [mg]	Memo	Method	Date Time	Info	TOC [%]	TOC400 Area	TC [%]	ROC [%]	ROC Area	TIC900 Area	TOC400 [%]	TIC900 [%]	TOC400 Factor	TIC900 Factor
114	25	22L0329-09	546.20		CARBON	12/30/2022 11:59 PM	bl	1.091	3 111 915	1.325	0.250	908 740	853 014	0.841	0.234	0.9619	1.0000



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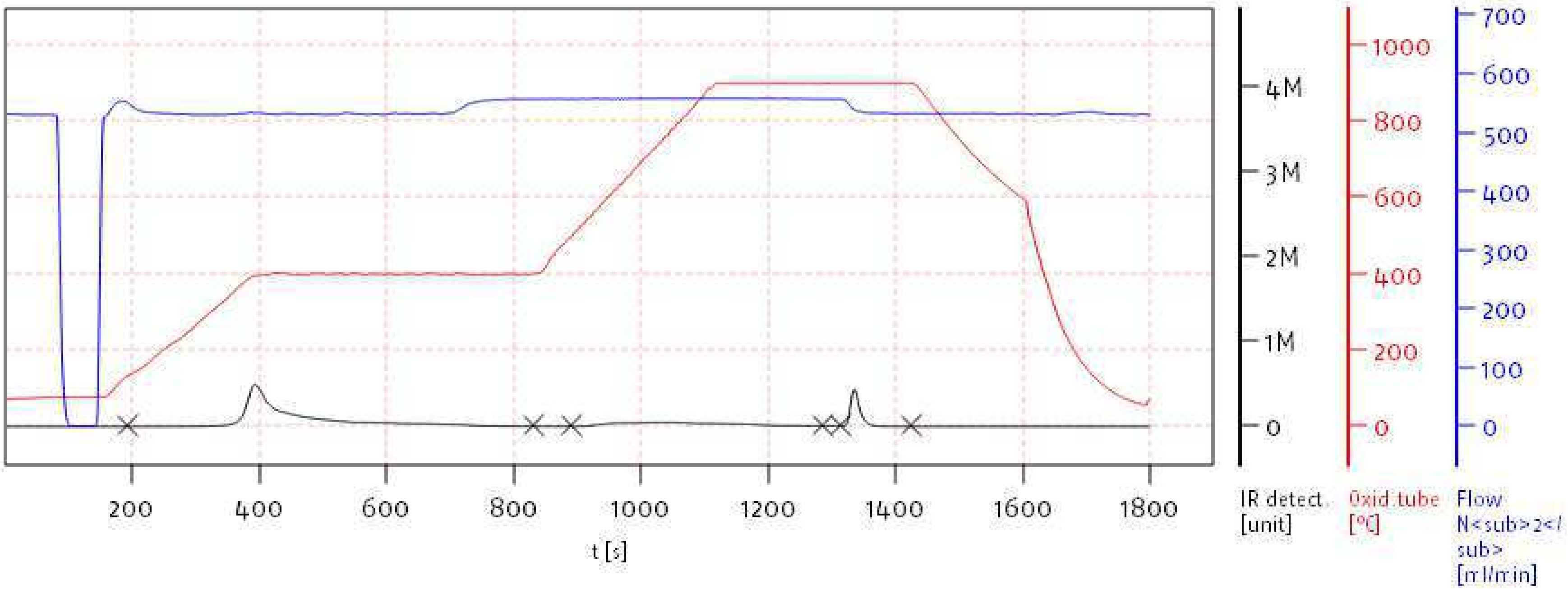
soliTOC V2.0.2 (31015f9) 2018-11-19
Serial No: 0300.181017
Mode CCC

Document: 122822 DOE from: 1/3/2023 7:07 AM

Soli TOC Cube, Carbon
Balance: BAL3
Analyst: DOE

	Pos.	Name	Weight [mg]	Memo	Method	Date Time	Info	TOC [%]	TOC400 Area	TC [%]	ROC [%]	ROC Area	TIC900 Area	TOC400 [%]	TIC900 [%]	TOC400 Factor	TIC900 Factor
115	26	22L0329-10	256.20		CARBON	12/31/2022 12:29 AM	bl	0.995	1 470 989	1.231	0.155	283 108	417 586	0.840	0.236	0.9619	1.0000



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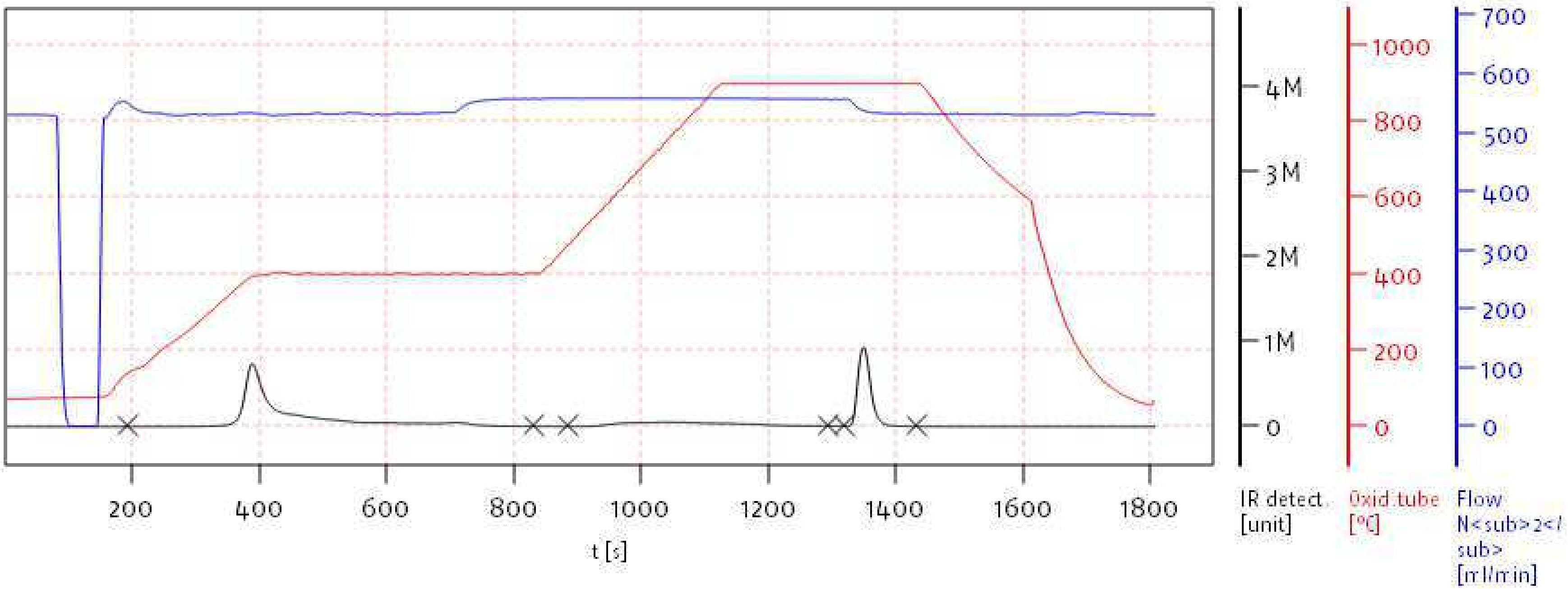
soliTOC V2.0.2 (31015f9) 2018-11-19
Serial No: 0300.181017
Mode CCC

Soli TOC Cube, Carbon
Balance: BAL3
Analyst: DOE

	Pos.	Name	Weight [mg]	Memo	Method	Date Time	Info	TOC [%]	TOC400 Area	TC [%]	ROC [%]	ROC Area	TIC900 Area	TOC400 [%]	TIC900 [%]	TOC400 Factor	TIC900 Factor
116	27	22L0329-11	241.70		CARBON	12/31/2022 1:00 AM	bl	1.612	1 810 491	1.874	0.513	827 096	435 226	1.099	0.262	0.9619	1.0000



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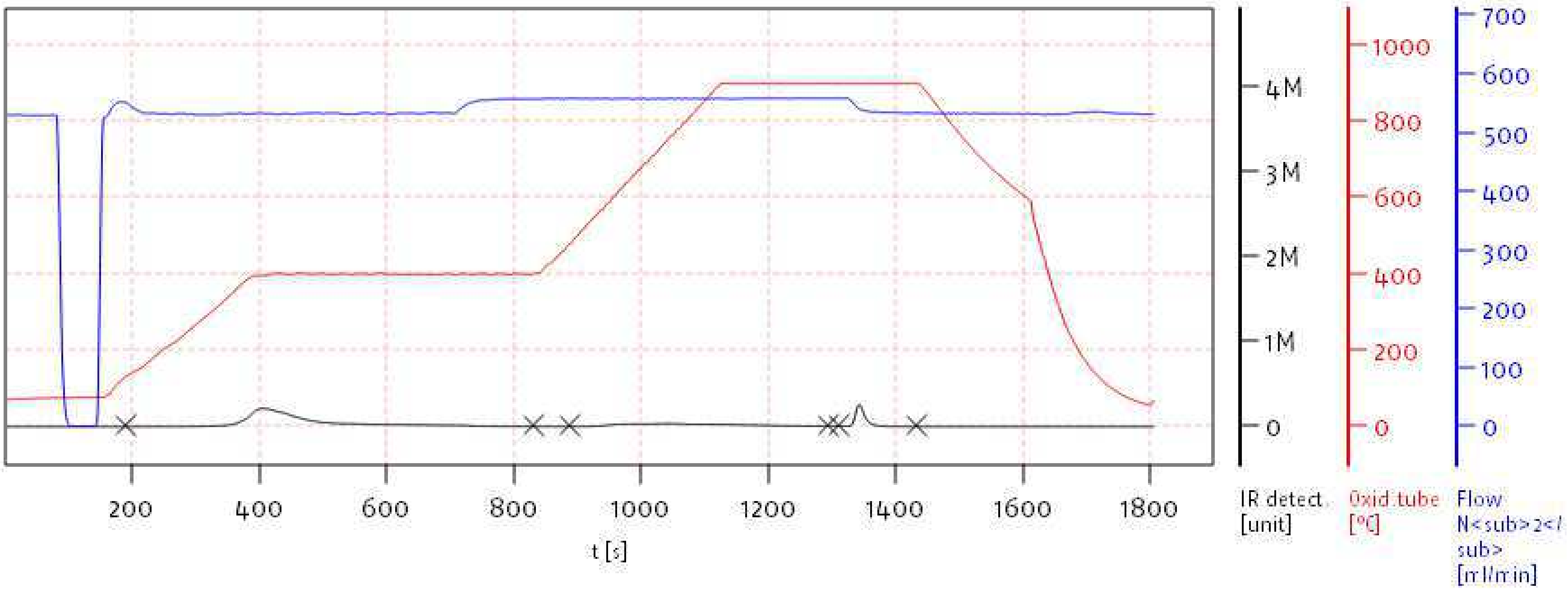
Mode CCC

Soli TOC Cube, Carbon
Balance: BAL3
Analyst: DOE

	Pos.	Name	Weight [mg]	Memo	Method	Date Time	Info	TOC [%]	TOC400 Area	TC [%]	ROC [%]	ROC Area	TIC900 Area	TOC400 [%]	TIC900 [%]	TOC400 Factor	TIC900 Factor
117	28	22L0329-12	221.00		CARBON	12/31/2022 1:30 AM	bl	0.704	917 724	0.890	0.103	173 951	291 739	0.600	0.186	0.9619	1.0000



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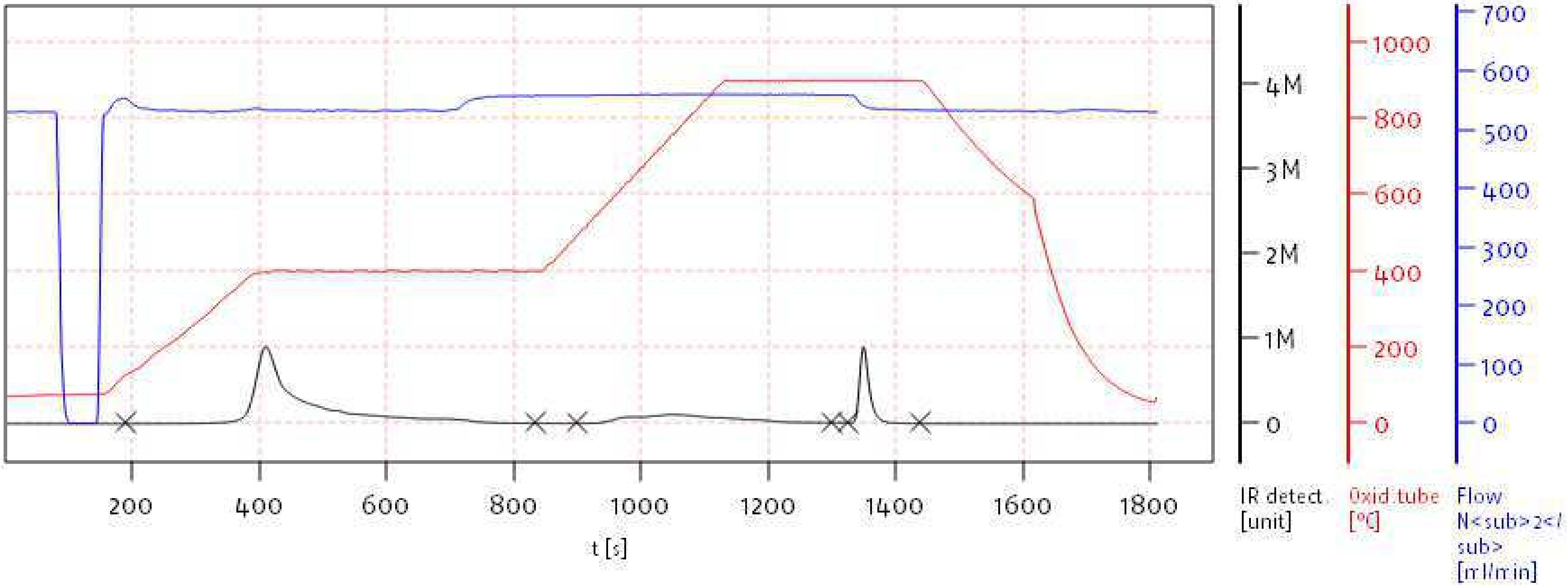
Mode CCC

Soli TOC Cube, Carbon
Balance: BAL3
Analyst: DOE

	Pos.	Name	Weight [mg]	Memo	Method	Date Time	Info	TOC [%]	TOC400 Area	TC [%]	ROC [%]	ROC Area	TIC900 Area	TOC400 [%]	TIC900 [%]	TOC400 Factor	TIC900 Factor
118	29	22L0329-13	501.30		CARBON	12/31/2022 2:01 AM	bl	1.013	2 821 698	1.248	0.183	618 261	787 868	0.830	0.235	0.9619	1.0000



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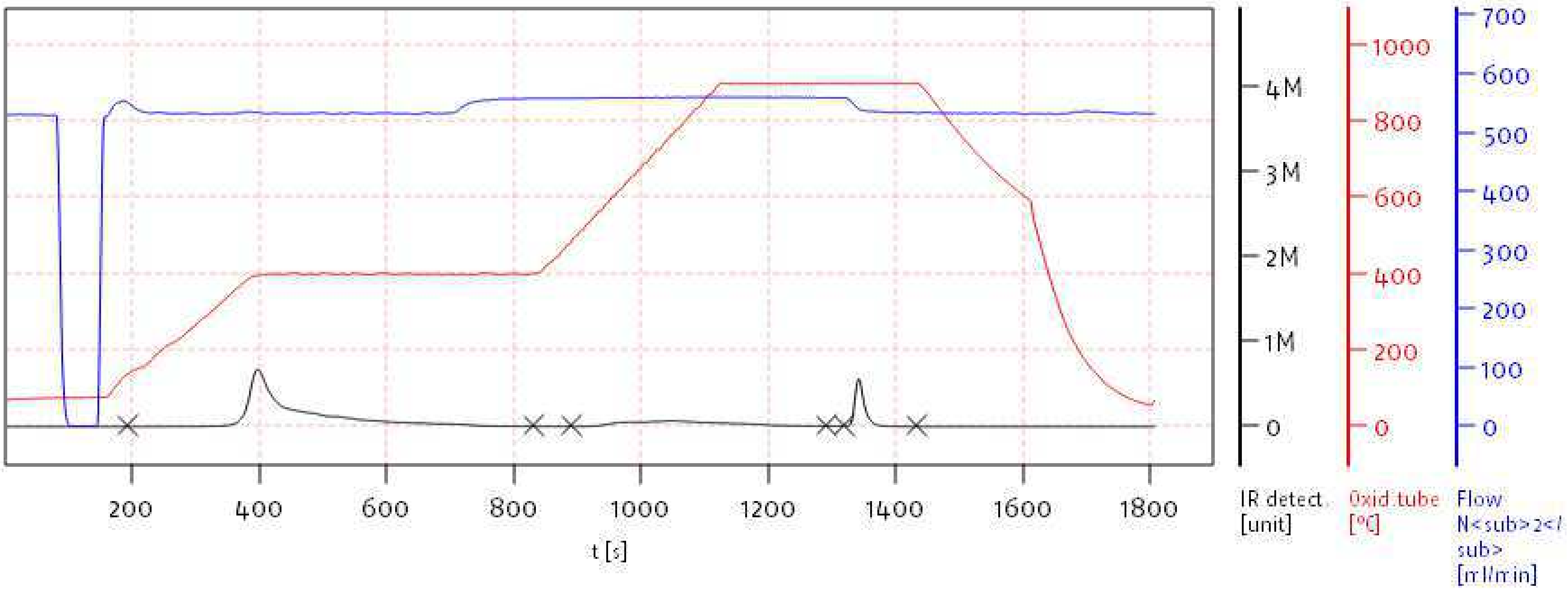
Mode CCC

Soli TOC Cube, Carbon
Balance: BAL3
Analyst: DOE

	Pos.	Name	Weight [mg]	Memo	Method	Date Time	Info	TOC [%]	TOC400 Area	TC [%]	ROC [%]	ROC Area	TIC900 Area	TOC400 [%]	TIC900 [%]	TOC400 Factor	TIC900 Factor
119	30	22L0329-14	339.00		CARBON	12/31/2022 2:32 AM	bl	1.034	2 022 757	1.249	0.157	370 905	497 776	0.877	0.215	0.9619	1.0000



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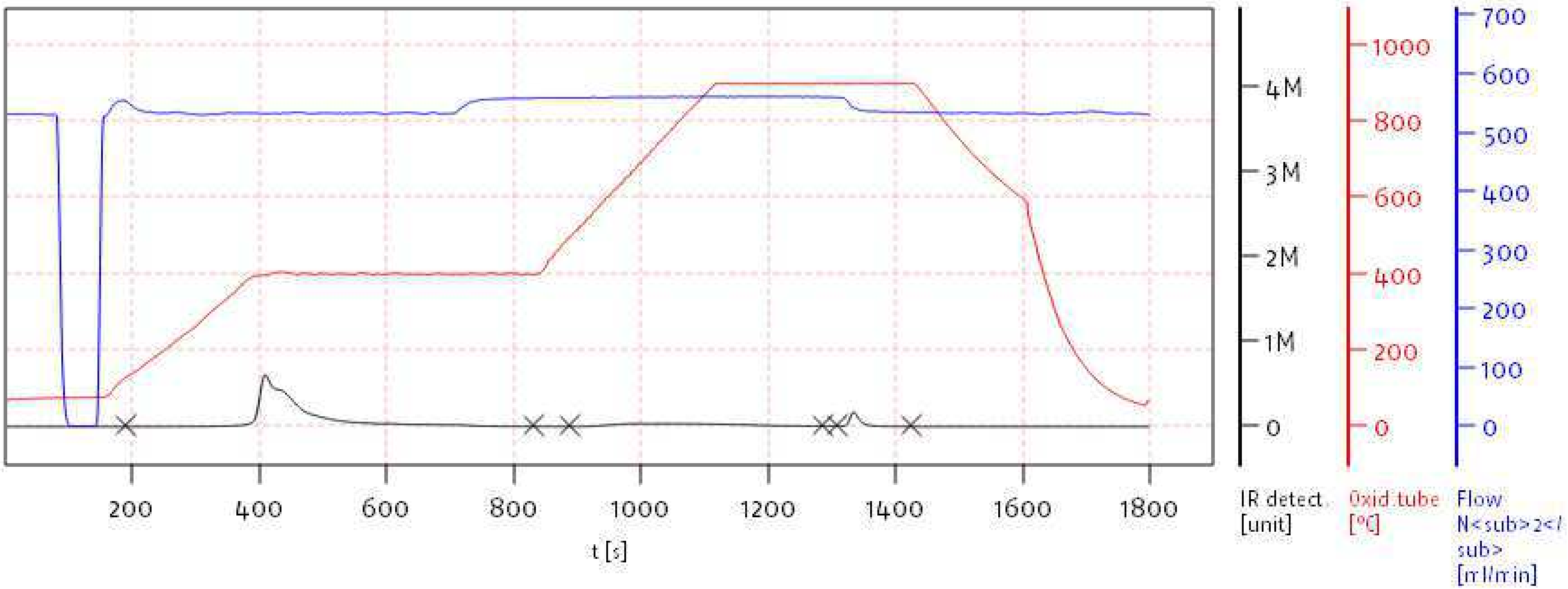
Soli TOC Cube, Carbon
Balance: BAL3
Analyst: DOE

	Pos.	Name	Weight [mg]	Memo	Method	Date Time	Info	TOC [%]	TOC400 Area	TC [%]	ROC [%]	ROC Area	TIC900 Area	TOC400 [%]	TIC900 [%]	TOC400 Factor	TIC900 Factor
120	31	22L0329-15	571.30		CARBON	12/31/2022 3:02 AM	bl	0.450	1 653 653	0.527	0.026	122 804	308 545	0.424	0.076	0.9619	1.0000



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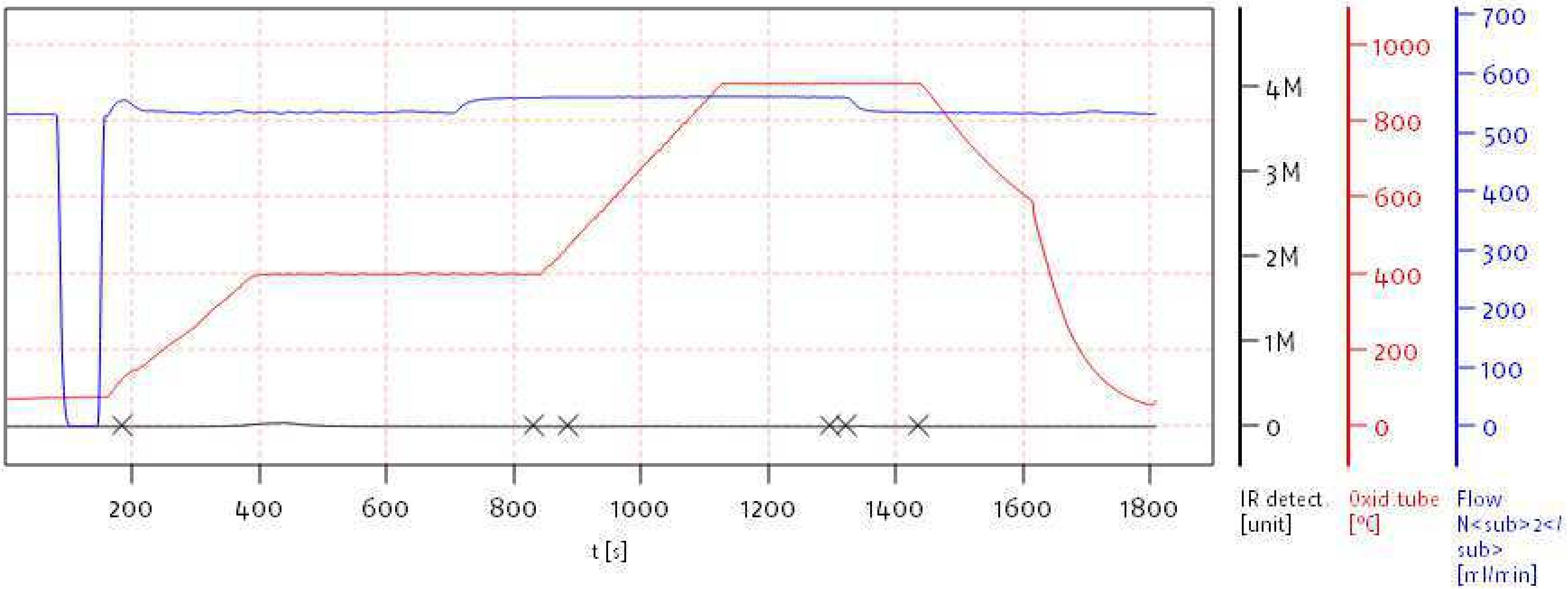
Soli TOC Cube, Carbon
Balance: BAL3
Analyst: DOE

	Pos.	Name	Weight [mg]	Memo	Method	Date Time	Info	TOC [%]	TOC400 Area	TC [%]	ROC [%]	ROC Area	TIC900 Area	TOC400 [%]	TIC900 [%]	TOC400 Factor	TIC900 Factor
121	32	22L0329-16	507.10		CARBON	12/31/2022 3:32 AM	bl	0.043	174 384	0.043	0.000	5 954	18 736	0.043	0.000	0.9619	1.0000



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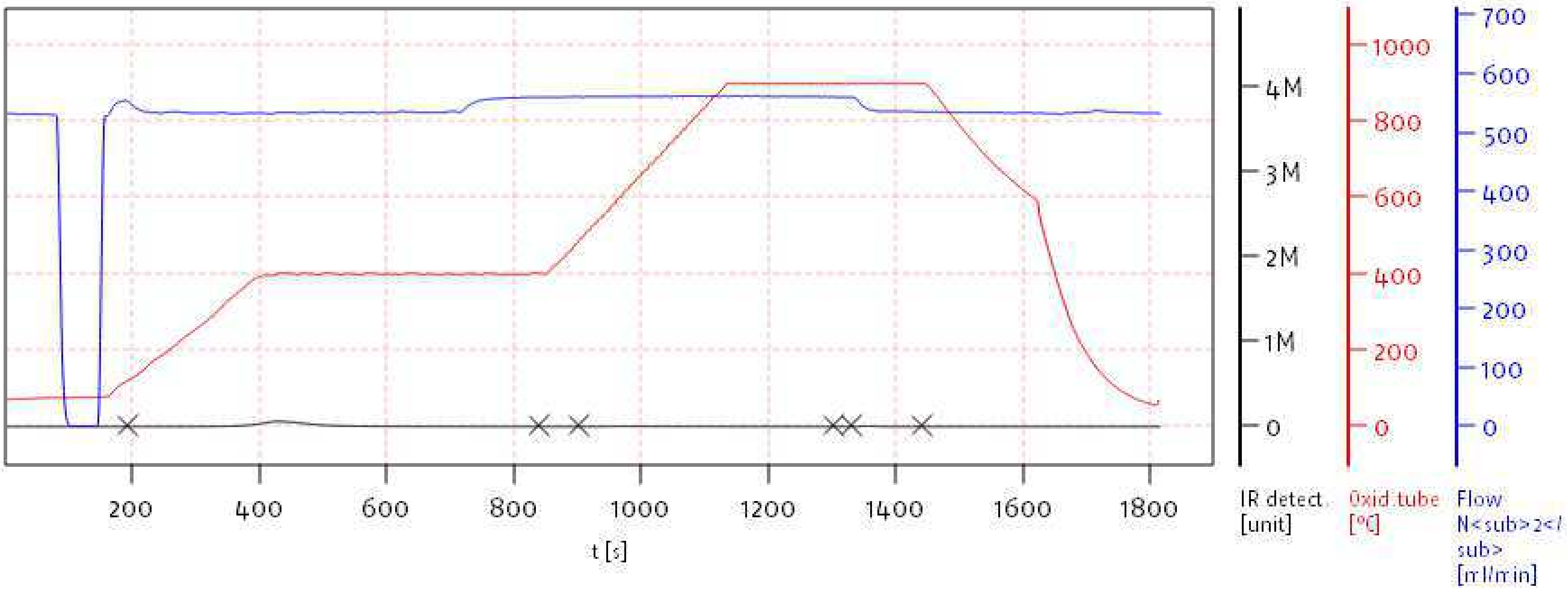
Date: Tue Jan 3 07:07:46 2023

soliTOC V2.0.2 (31015f9) 2018-11-19
Serial No: 0300.181017
Mode CCC

elementar
EXCELLENCE IN ELEMENTS

Soli TOC Cube, Carbon
Balance: BAL3
Analyst: DOE

	Pos.	Name	Weight [mg]	Memo	Method	Date Time	Info	TOC [%]	TOC400 Area	TC [%]	ROC [%]	ROC Area	TIC900 Area	TOC400 [%]	TIC900 [%]	TOC400 Factor	TIC900 Factor
122	33	22L0329-17	513.30		CARBON	12/31/2022 4:03 AM	bl	0.061	237 886	0.061	0.000	6 649	22 472	0.061	0.000	0.9619	1.0000



Name:

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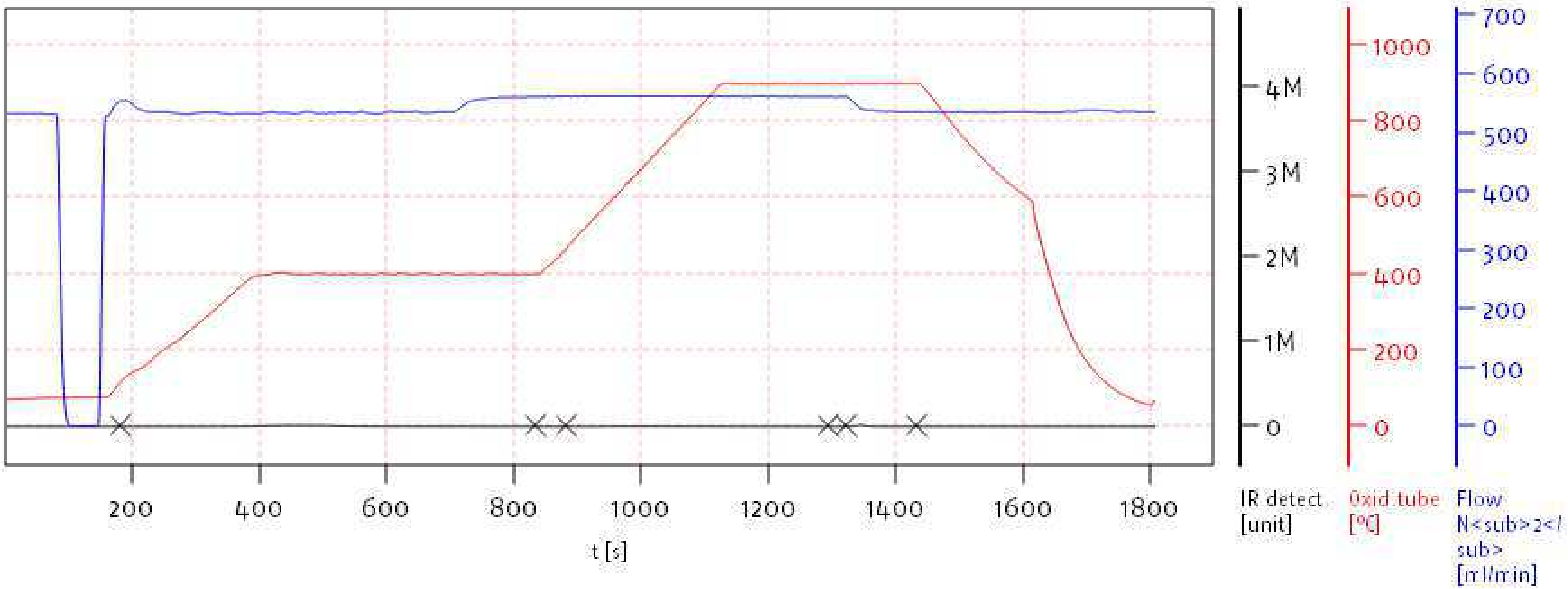
soliTOC V2.0.2 (31015f9) 2018-11-19
Serial No: 0300.181017
Mode CCC

Soli TOC Cube, Carbon
Balance: BAL3
Analyst: DOE

	Pos.	Name	Weight [mg]	Memo	Method	Date Time	Info	TOC [%]	TOC400 Area	TC [%]	ROC [%]	ROC Area	TIC900 Area	TOC400 [%]	TIC900 [%]	TOC400 Factor	TIC900 Factor
123	34	22L0329-18	598.10		CARBON	12/31/2022 4:34 AM	bl	0.013	77 820	0.013	0.000	11 840	19 189	0.013	0.000	0.9619	1.0000



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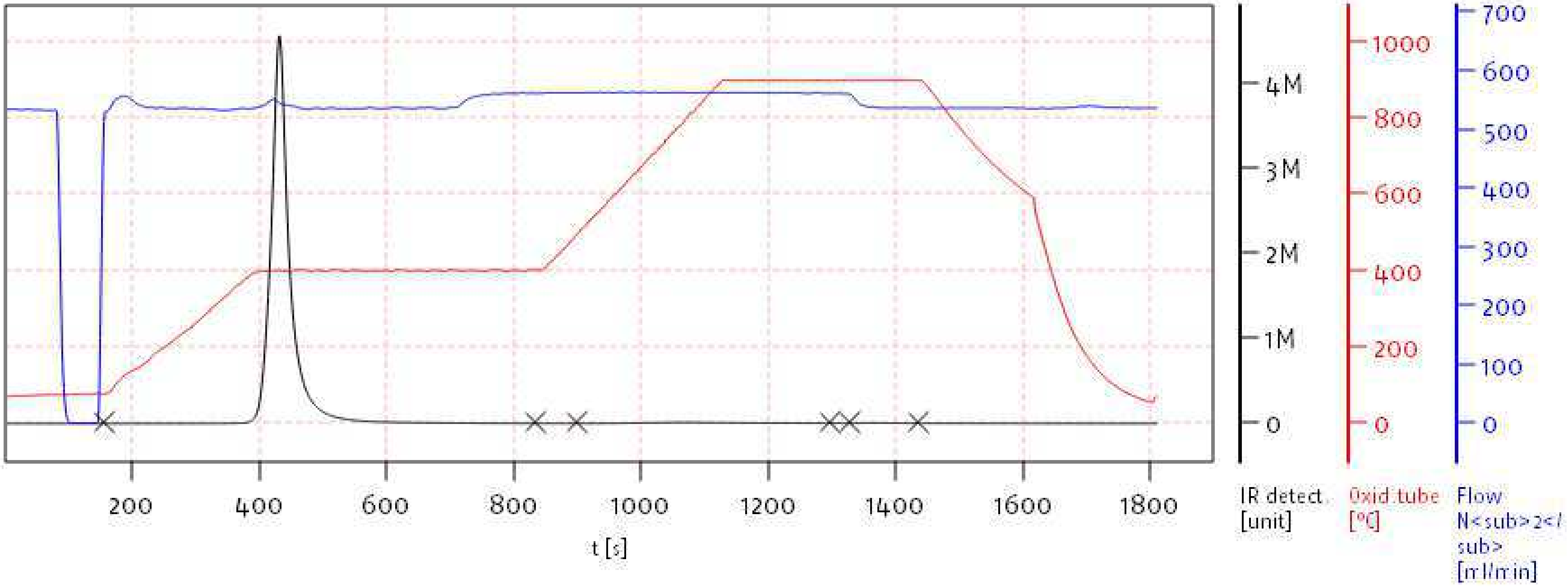
Serial No: 0300.181017
Mode CCC

elementar
EXCELLENCE IN ELEMENTS

Soli TOC Cube, Carbon
Balance: BAL3
Analyst: DOE

	Pos.	Name	Weight [mg]	Memo	Method	Date Time	Info	TOC [%]	TOC400 Area	TC [%]	ROC [%]	ROC Area	TIC900 Area	TOC400 [%]	TIC900 [%]	TOC400 Factor	TIC900 Factor
124	35	SKL0336-CCVA	19.50		CARBON	12/31/2022 5:04 AM	bl	44.664	5 875 431	45.266	0.000	22 023	102 349	44.664	0.602	0.9619	1.0000



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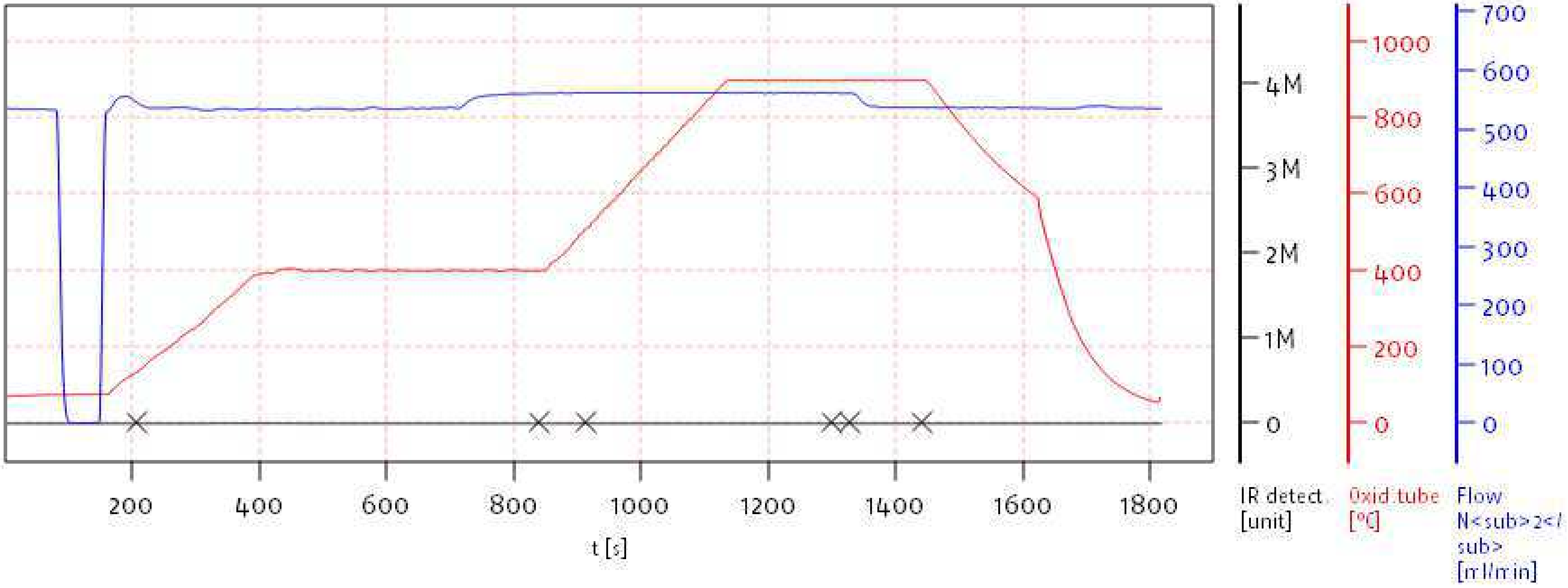
Balance: BAL3
Analyst: DOE

	Pos.	Name	Weight [mg]	Memo	Method	Date Time	Info	TOC [%]	TOC400 Area	TC [%]	ROC [%]	ROC Area	TIC900 Area	TOC400 [%]	TIC900 [%]	TOC400 Factor	TIC900 Factor
125	36	SKL0336-CCBA	508.40		CARBON	12/31/2022 5:35 AM	bl,C3u,C2u	0.000	9 800	0.000	0.000	554	177	0.000	0.000	0.9619	1.0000



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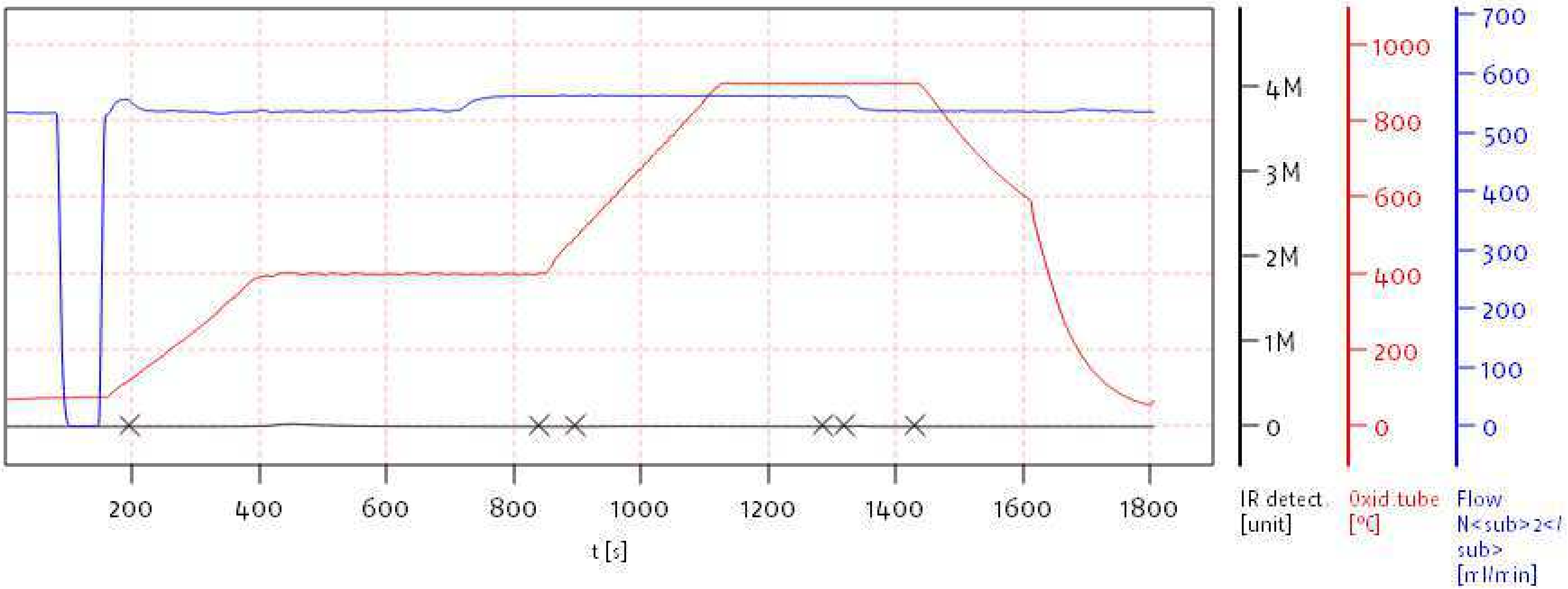
Soli TOC Cube, Carbon
Balance: BAL3
Analyst: DOE

	Pos.	Name	Weight [mg]	Memo	Method	Date Time	Info	TOC [%]	TOC400 Area	TC [%]	ROC [%]	ROC Area	TIC900 Area	TOC400 [%]	TIC900 [%]	TOC400 Factor	TIC900 Factor
126	37	22L0329-19	592.80		CARBON	12/31/2022 6:05 AM	bl	0.028	138 363	0.032	0.000	7 518	40 045	0.028	0.004	0.9619	1.0000



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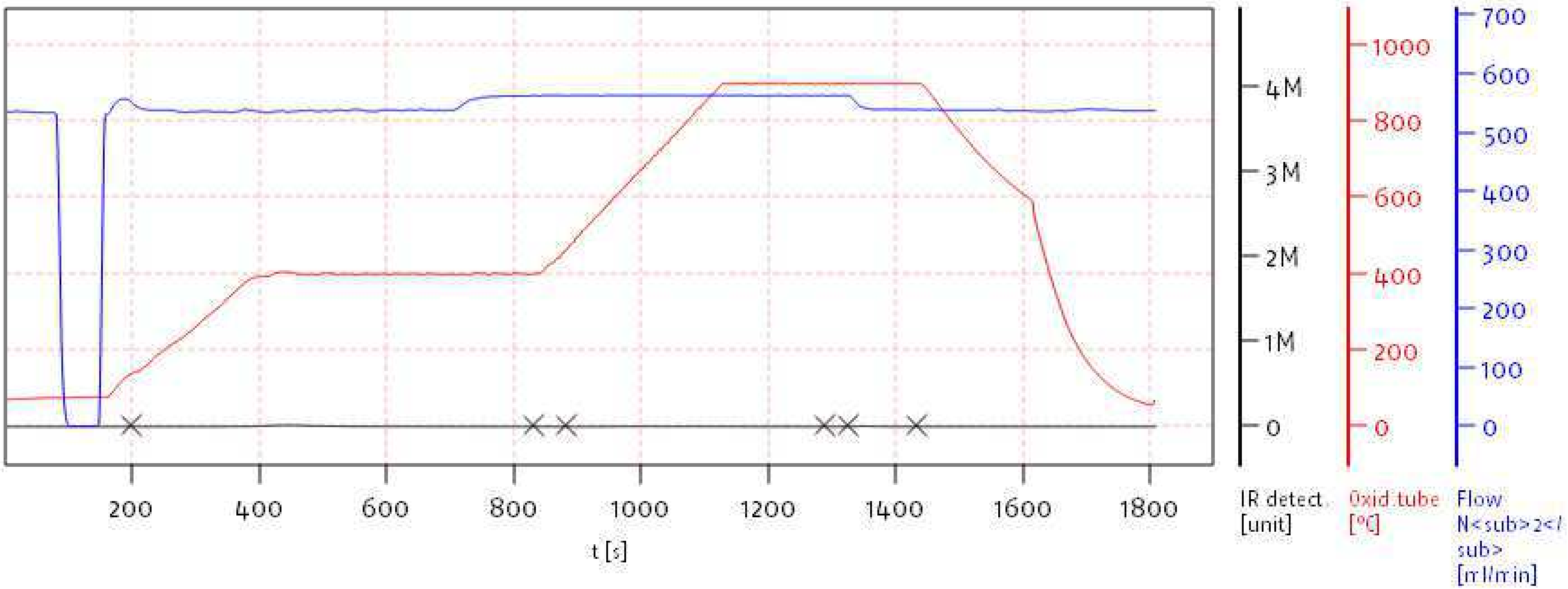
Balance: BAL3
Analyst: DOE

	Pos.	Name	Weight [mg]	Memo	Method	Date Time	Info	TOC [%]	TOC400 Area	TC [%]	ROC [%]	ROC Area	TIC900 Area	TOC400 [%]	TIC900 [%]	TOC400 Factor	TIC900 Factor
127	38	22L0329-20	551.60		CARBON	12/31/2022 6:36 AM	bl	0.012	71 600	0.012	0.000	6 762	18 798	0.012	0.000	0.9619	1.0000



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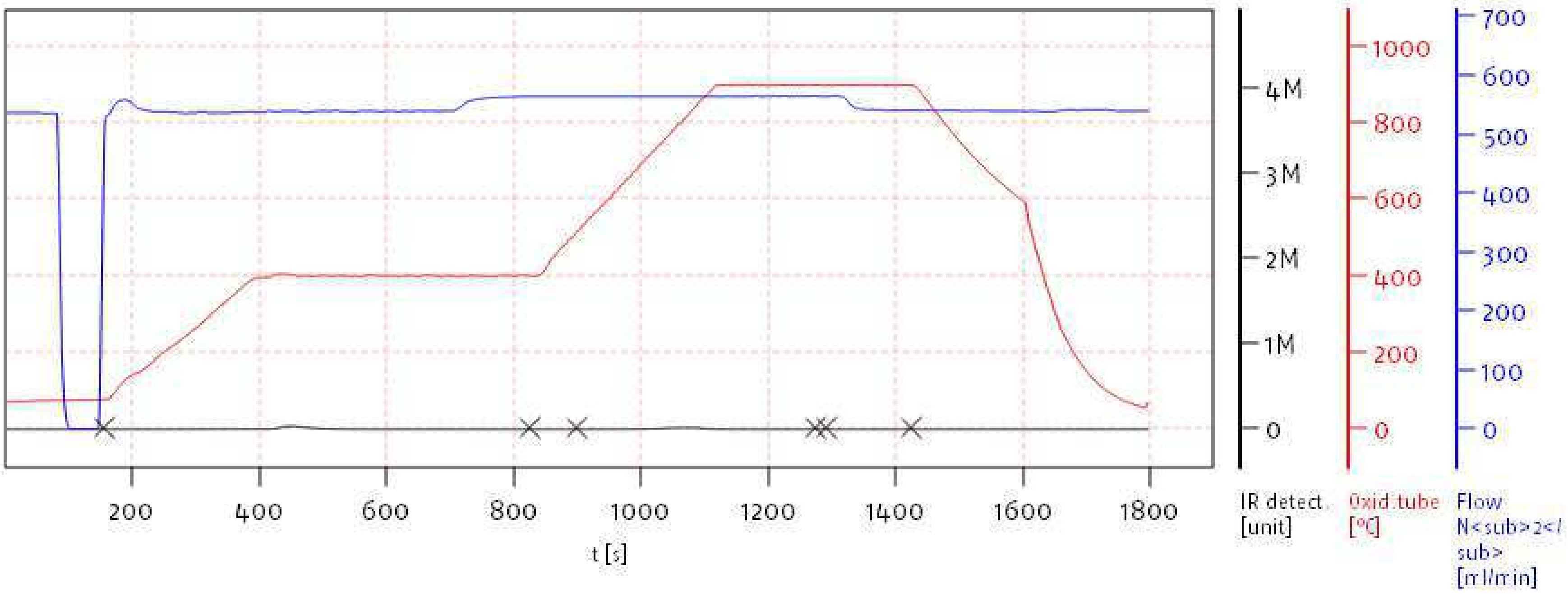
Soli TOC Cube, Carbon
Balance: BAL3
Analyst: DOE

	Pos.	Name	Weight [mg]	Memo	Method	Date Time	Info	TOC [%]	TOC400 Area	TC [%]	ROC [%]	ROC Area	TIC900 Area	TOC400 [%]	TIC900 [%]	TOC400 Factor	TIC900 Factor
128	39	BKL0651-MRL1	541.30		CARBON	12/31/2022 7:06 AM	bl,C2u	0.015	81 393	0.022	0.000	585	52 060	0.015	0.007	0.9619	1.0000



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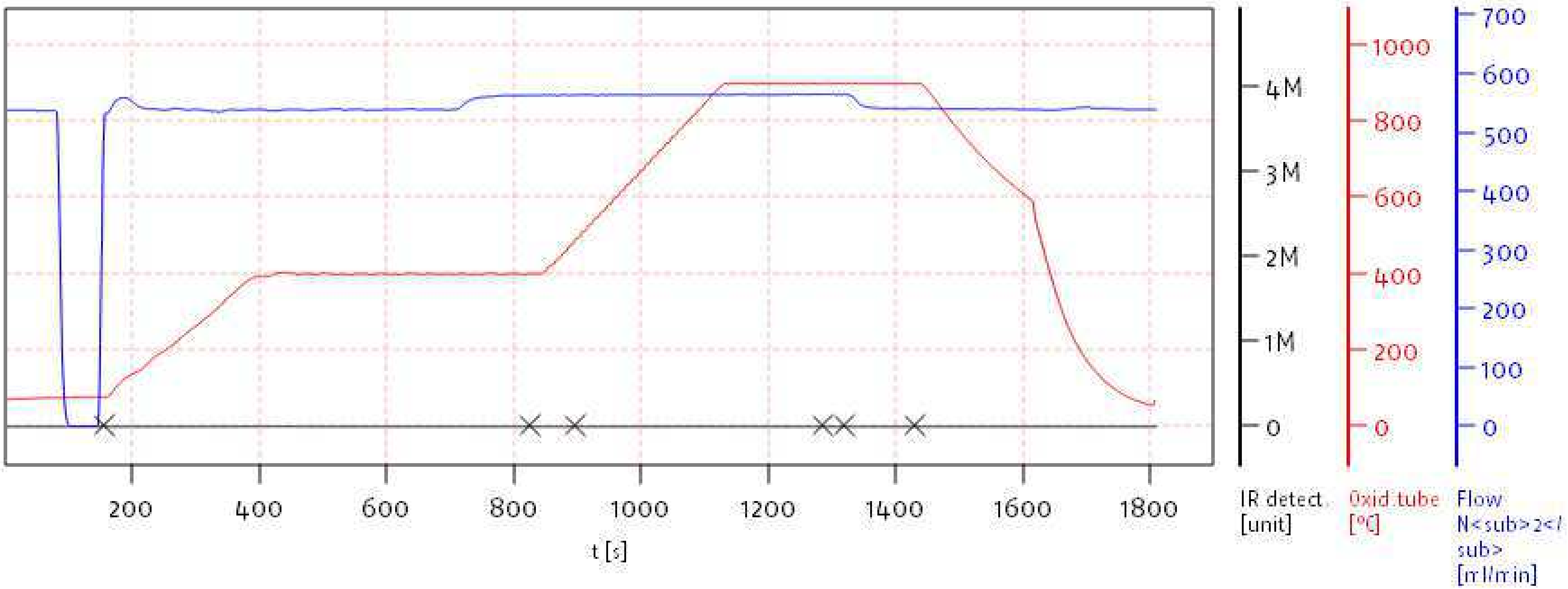
Soli TOC Cube, Carbon
Balance: BAL3
Analyst: DOE

	Pos.	Name	Weight [mg]	Memo	Method	Date Time	Info	TOC [%]	TOC400 Area	TC [%]	ROC [%]	ROC Area	TIC900 Area	TOC400 [%]	TIC900 [%]	TOC400 Factor	TIC900 Factor
129	40	BKL0651-BLK1	520.80		CARBON	12/31/2022 7:37 AM	bl,C2u	0.000	9 085	0.000	0.000	342	5 285	0.000	0.000	0.9619	1.0000



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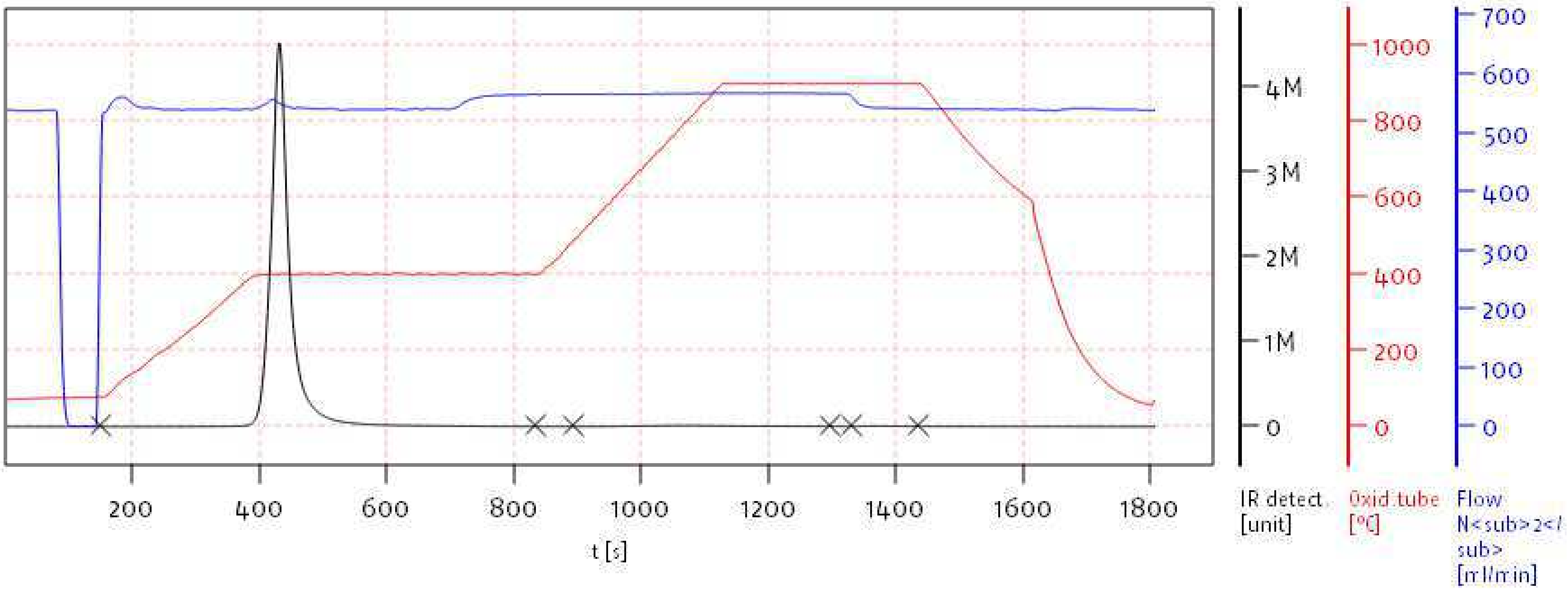
Mode CCC

Soli TOC Cube, Carbon
Balance: BAL3
Analyst: DOE

	Pos.	Name	Weight [mg]	Memo	Method	Date Time	Info	TOC [%]	TOC400 Area	TC [%]	ROC [%]	ROC Area	TIC900 Area	TOC400 [%]	TIC900 [%]	TOC400 Factor	TIC900 Factor
130	41	BKL0651-BS1	19.40		CARBON	12/31/2022 8:07 AM	bl	44.366	5 806 715	44.931	0.000	21 895	97 256	44.366	0.564	0.9619	1.0000



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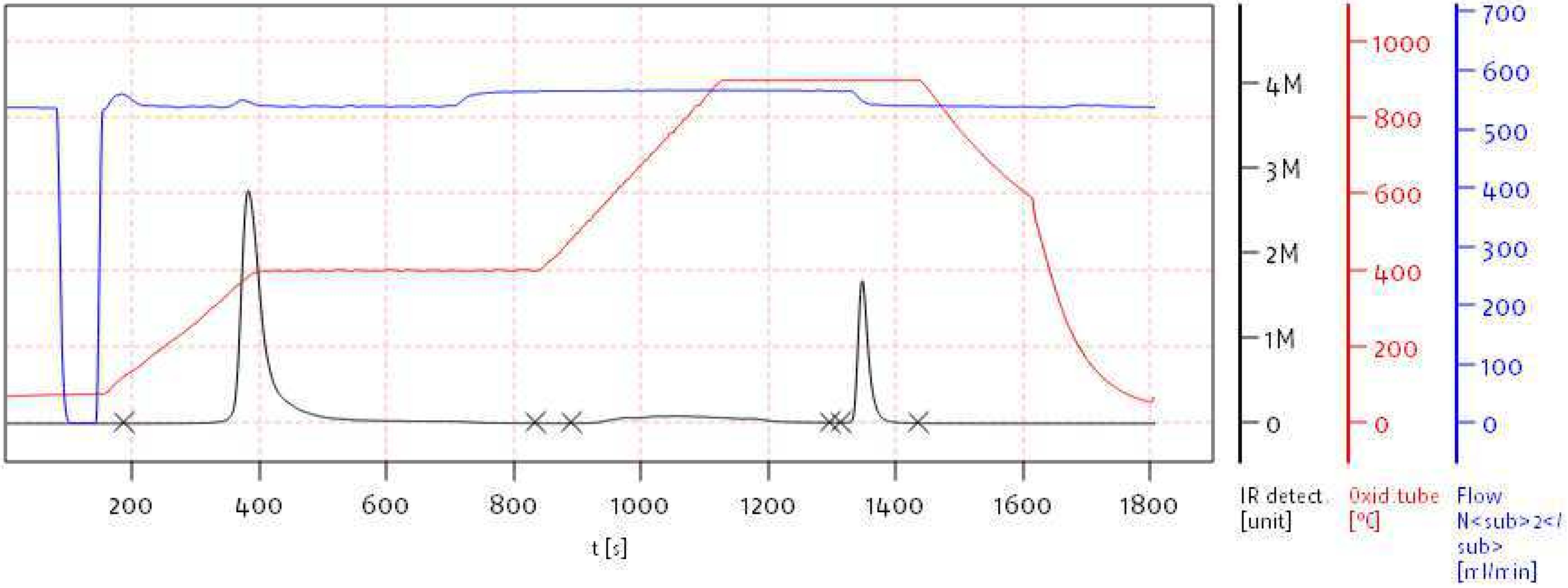
Soli TOC Cube, Carbon

Balance: BAL3

Analyst: DOE

	Pos.	Name	Weight [mg]	Memo	Method	Date Time	Info	TOC [%]	TOC400 Area	TC [%]	ROC [%]	ROC Area	TIC900 Area	TOC400 [%]	TIC900 [%]	TOC400 Factor	TIC900 Factor
131	42	BKL0651-SRM 1	285.60		CARBON	12/31/2022 8:38 AM	bl	2.988	4 496 099	3.372	0.658	1 240 705	734 282	2.330	0.384	0.9619	1.0000



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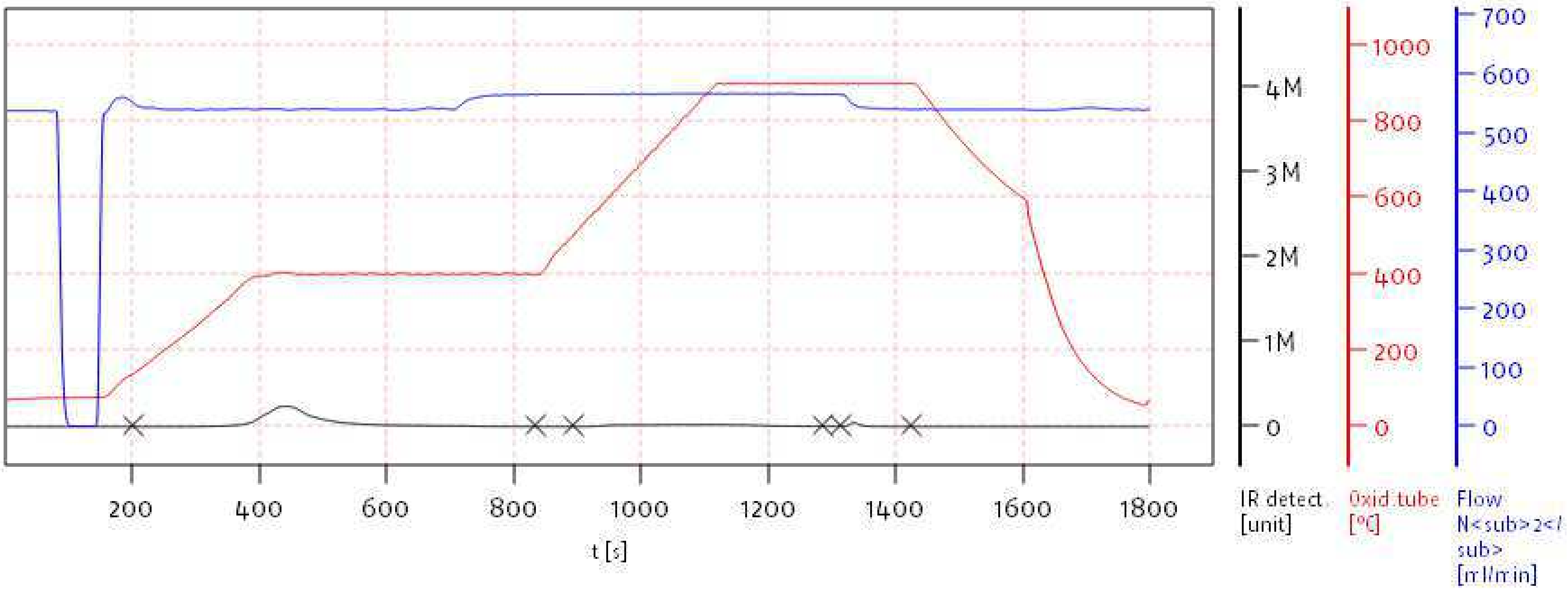
Balance: BAL3
Analyst: DOE

	Pos.	Name	Weight [mg]	Memo	Method	Date Time	Info	TOC [%]	TOC400 Area	TC [%]	ROC [%]	ROC Area	TIC900 Area	TOC400 [%]	TIC900 [%]	TOC400 Factor	TIC900 Factor
132	43	22L0329-21	534.70		CARBON	12/31/2022 9:08 AM	bl	0.258	945 095	0.312	0.002	34 300	212 798	0.256	0.054	0.9619	1.0000



Name:

Access: soliTOC superuser

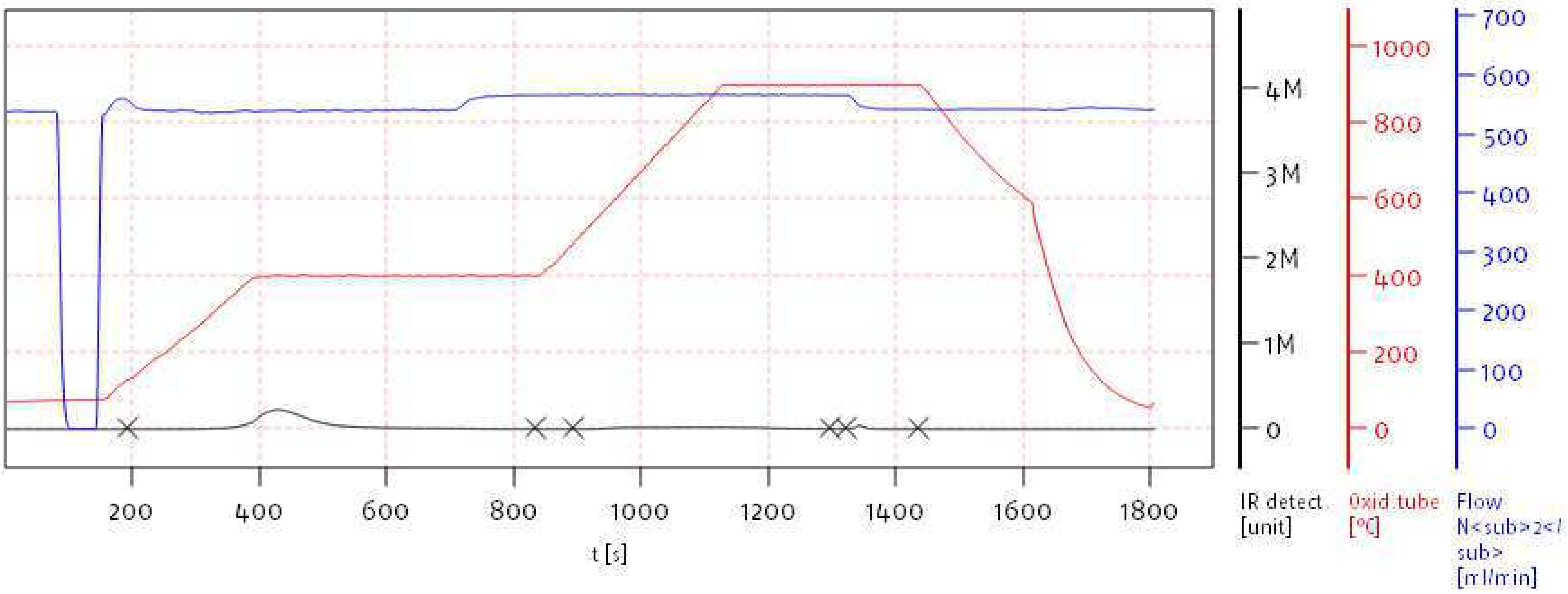
Date: Tue Jan 3 07:07:46 2023

soliTOC V2.0.2 (31015f9) 2018-11-19
Serial No: 0300.181017
Mode CCC

elementar
EXCELLENCE IN ELEMENTS

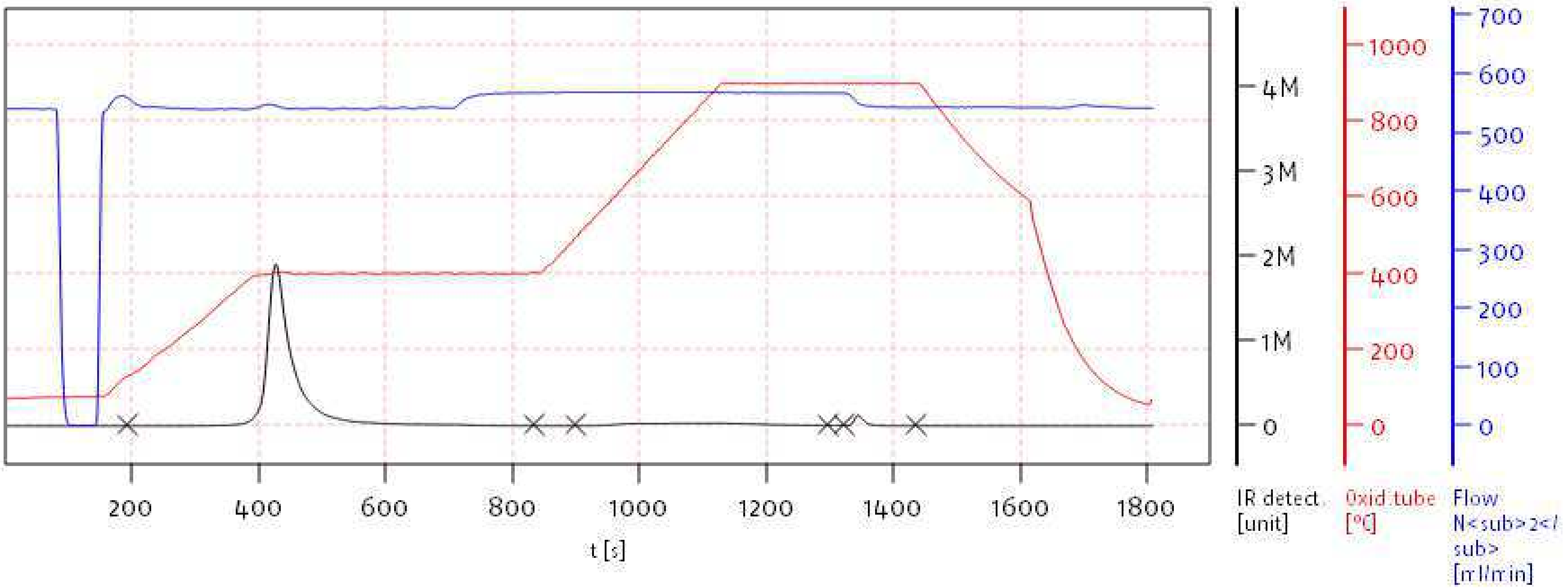
Document: 122822 DOE from: 1/3/2023 7:07 AM

	Pos.	Name	Weight [mg]	Memo	Method	Date Time	Info	TOC [%]	TOC400 Area	TC [%]	ROC [%]	ROC Area	TIC900 Area	TOC400 [%]	TIC900 [%]	TOC400 Factor	TIC900 Factor
133	44	BKL0651-DUP 1	509.30		CARBON	12/31/22 9:39 AM	bl	0.265	928 894	0.320	0.001	29 447	208 309	0.264	0.055	0.9619	1.0000



Soli TOC Cube, Carbon
Balance: BAL3
Analyst: DOE

	Pos.	Name	Weight [mg]	Memo	Method	Date Time	Info	TOC [%]	TOC400 Area	TC [%]	ROC [%]	ROC Area	TIC900 Area	TOC400 [%]	TIC900 [%]	TOC400 Factor	TIC900 Factor
134	45	BKL0651-MS1	546.30	0.0079	CARBON	12/31/2022 10:09 AM	bl	0.932	3 381 307	1.006	0.017	88 143	286 964	0.914	0.074	0.9619	1.0000



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Serial No: 0300.181017
Mode CCC

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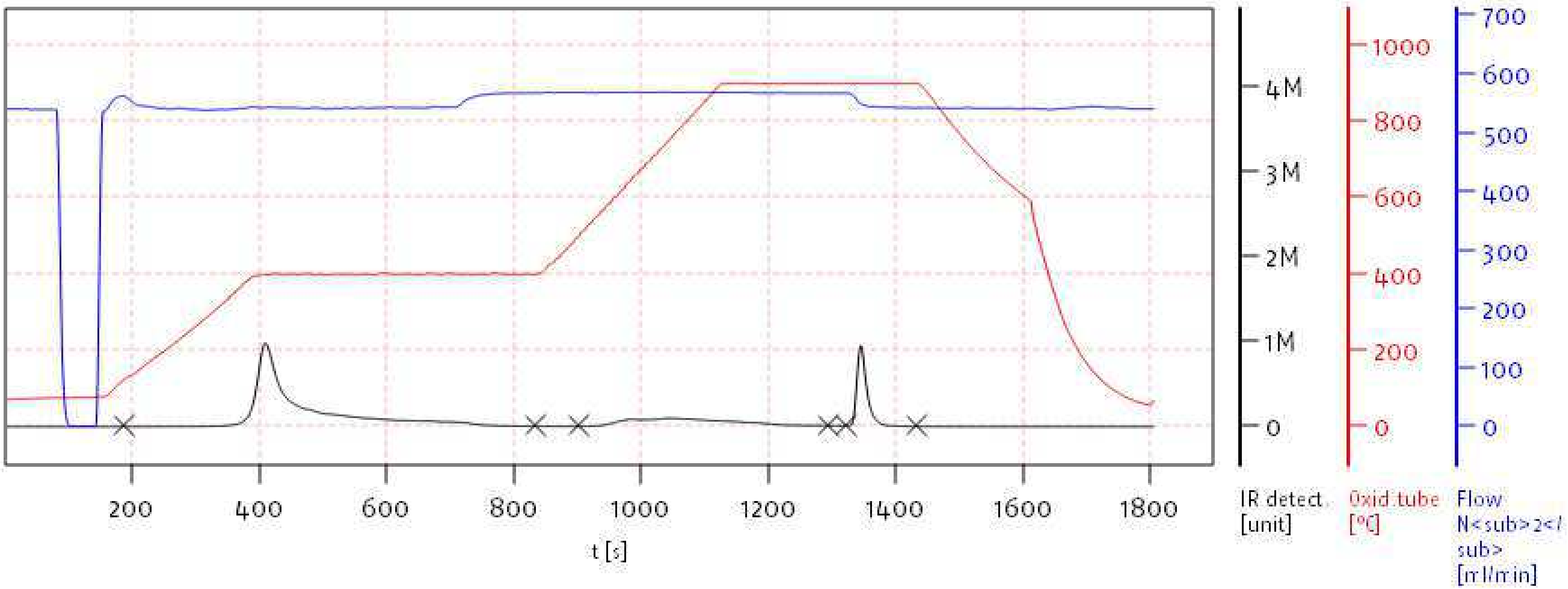
Soli TOC Cube, Carbon
Balance: BAL3
Analyst: DOE

	Pos.	Name	Weight [mg]	Memo	Method	Date Time	Info	TOC [%]	TOC400 Area	TC [%]	ROC [%]	ROC Area	TIC900 Area	TOC400 [%]	TIC900 [%]	TOC400 Factor	TIC900 Factor
135	46	22L0329-22	503.90		CARBON	12/31/2022 10:40 AM	bl	0.974	2 662 419	1.199	0.195	662 448	757 820	0.779	0.225	0.9619	1.0000



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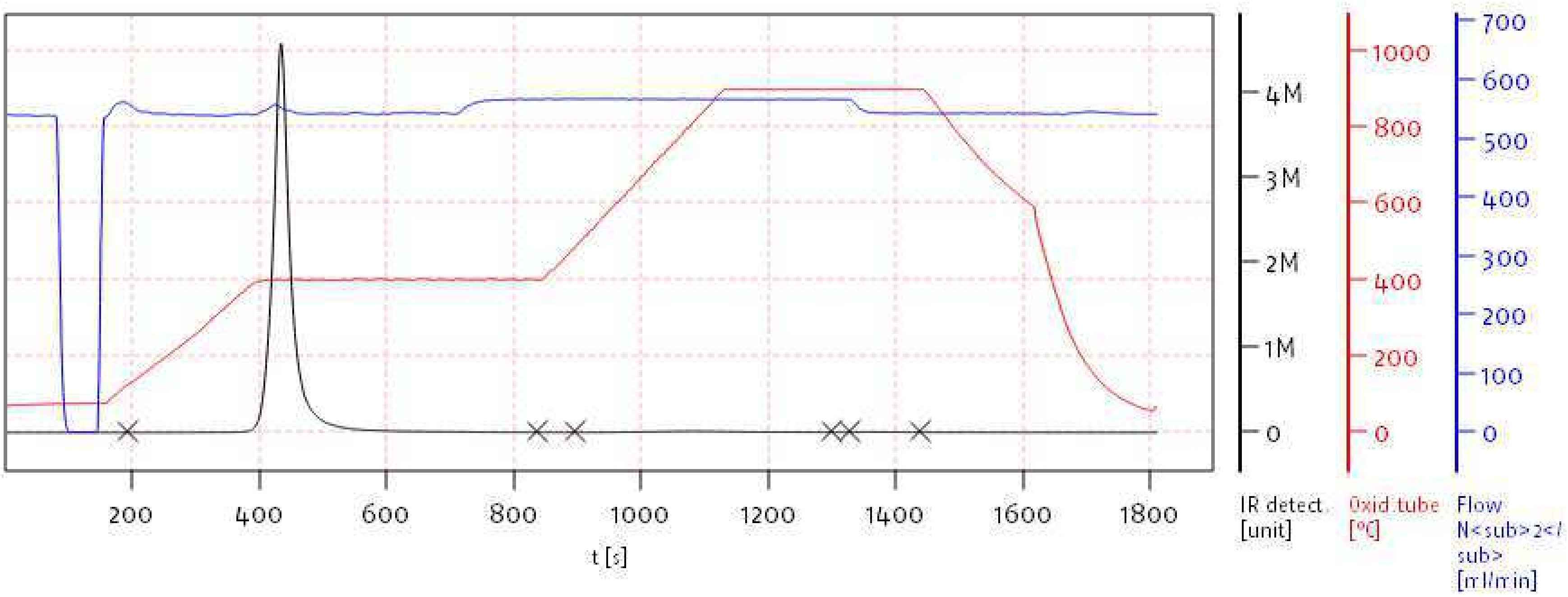
soliTOC V2.0.2 (31015f9) 2018-11-19
Serial No: 0300.181017
Mode CCC

Soli TOC Cube, Carbon
Balance: BAL3
Analyst: DOE

	Pos.	Name	Weight [mg]	Memo	Method	Date Time	Info	TOC [%]	TOC400 Area	TC [%]	ROC [%]	ROC Area	TIC900 Area	TOC400 [%]	TIC900 [%]	TOC400 Factor	TIC900 Factor
136	47	SKL0336-CCVB	19.30		CARBON	12/31/2022 11:11 AM	bl	44.262	5 763 356	44.972	0.000	21 763	115 129	44.262	0.711	0.9619	1.0000



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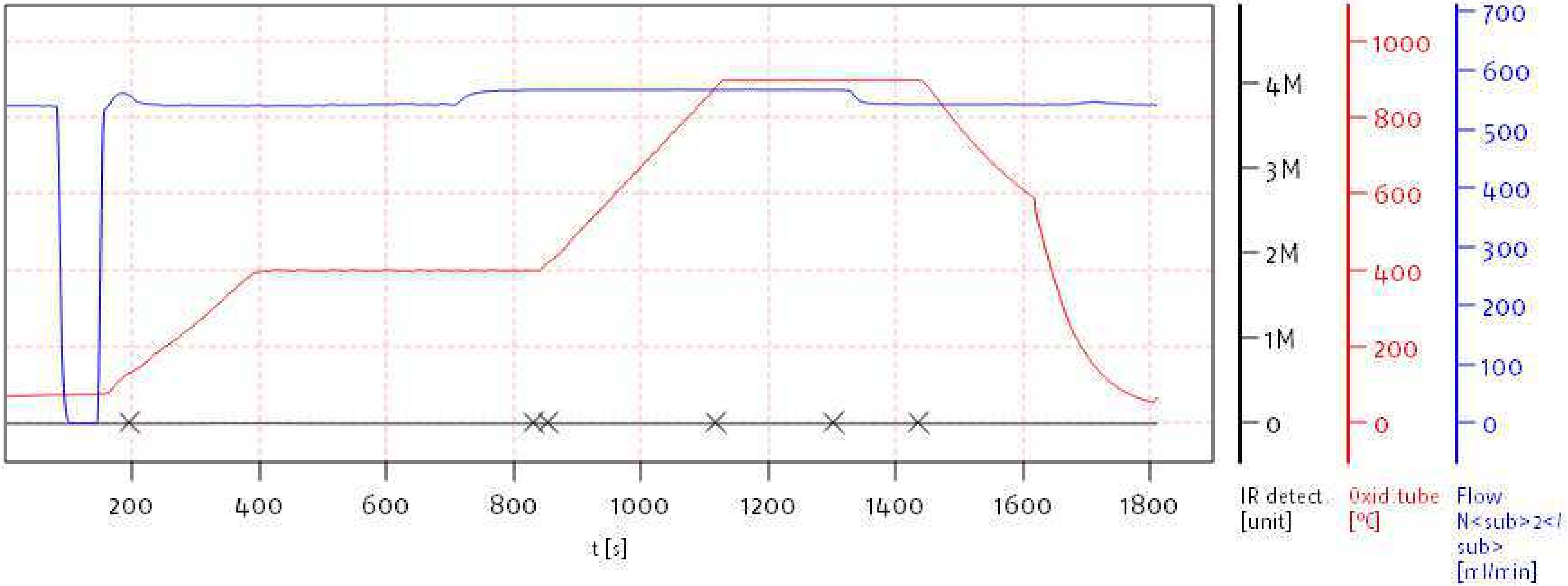
Soli TOC Cube, Carbon
Balance: BAL3
Analyst: DOE

	Pos.	Name	Weight [mg]	Memo	Method	Date Time	Info	TOC [%]	TOC400 Area	TC [%]	ROC [%]	ROC Area	TIC900 Area	TOC400 [%]	TIC900 [%]	TOC400 Factor	TIC900 Factor
137	48	SKL0336-CCBB	537.60		CARBON	12/31/2022 11:41 AM	bl,C3u,C2u	0.000	14 989	0.000	0.000	624	369	0.000	0.000	0.9619	1.0000



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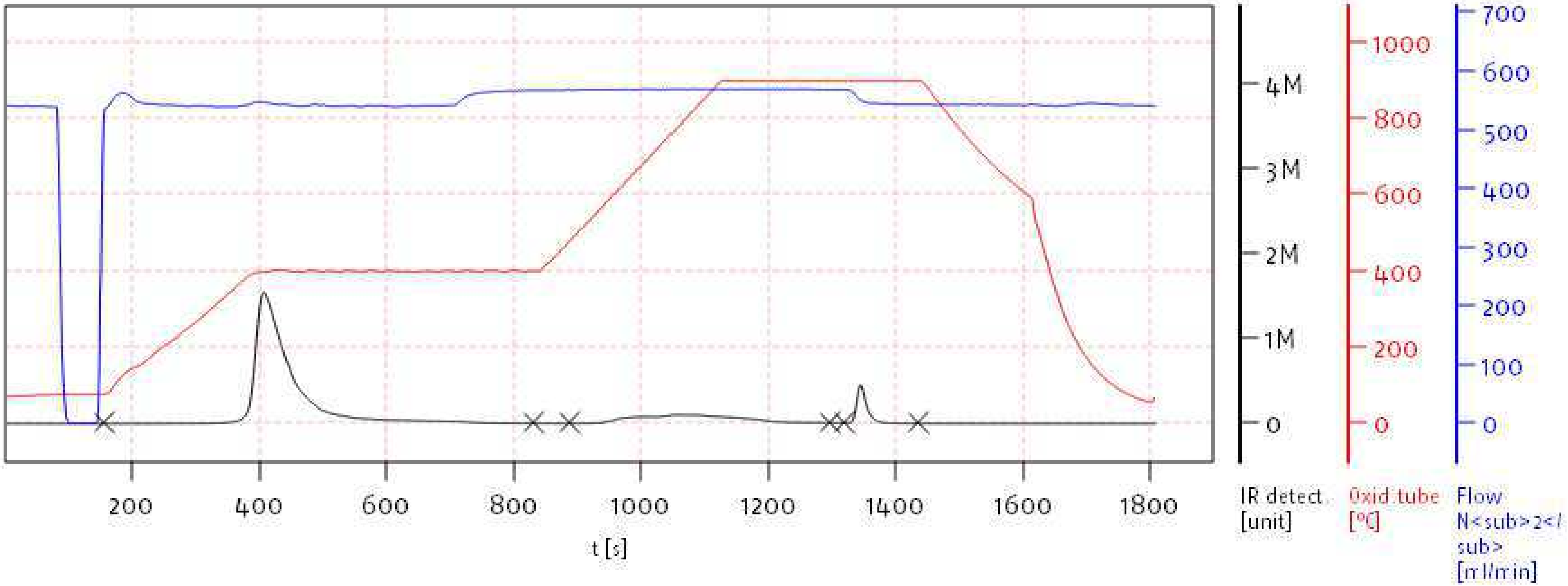
elementar
EXCELLENCE IN ELEMENTS

Soli TOC Cube, Carbon
Balance: BAL3
Analyst: DOE

	Pos.	Name	Weight [mg]	Memo	Method	Date Time	Info	TOC [%]	TOC400 Area	TC [%]	ROC [%]	ROC Area	TIC900 Area	TOC400 [%]	TIC900 [%]	TOC400 Factor	TIC900 Factor
138	49	22L0329-23	526.70		CARBON	12/31/2022 12:12 PM	bl	1.136	3 736 415	1.363	0.087	321 930	801 042	1.049	0.228	0.9619	1.0000



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Serial No: 0300.181017
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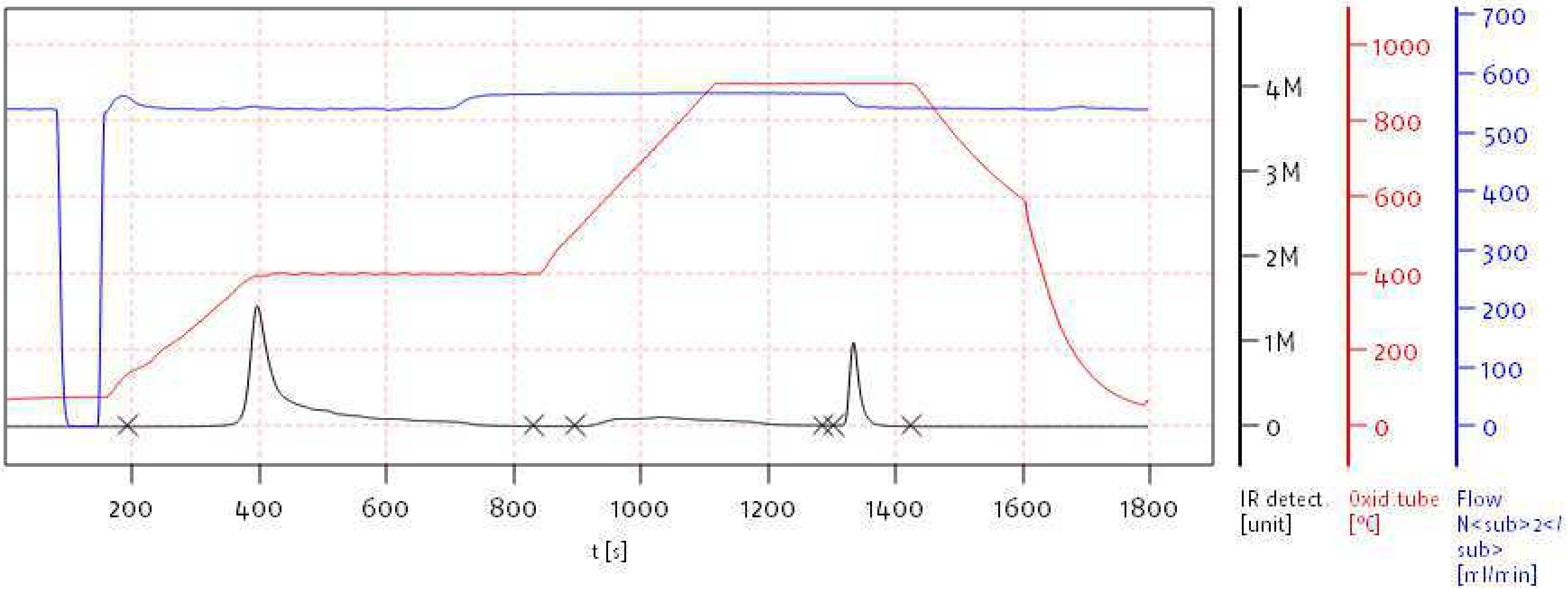
Soli TOC Cube, Carbon
Balance: BAL3
Analyst: DOE

	Pos.	Name	Weight [mg]	Memo	Method	Date Time	Info	TOC [%]	TOC400 Area	TC [%]	ROC [%]	ROC Area	TIC900 Area	TOC400 [%]	TIC900 [%]	TOC400 Factor	TIC900 Factor
139	50	22L0329-24	512.40		CARBON	12/31/2022 12:42 PM	bl	1.181	3 389 869	1.437	0.204	701 481	872 703	0.977	0.256	0.9619	1.0000



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Serial No: 0300.181017
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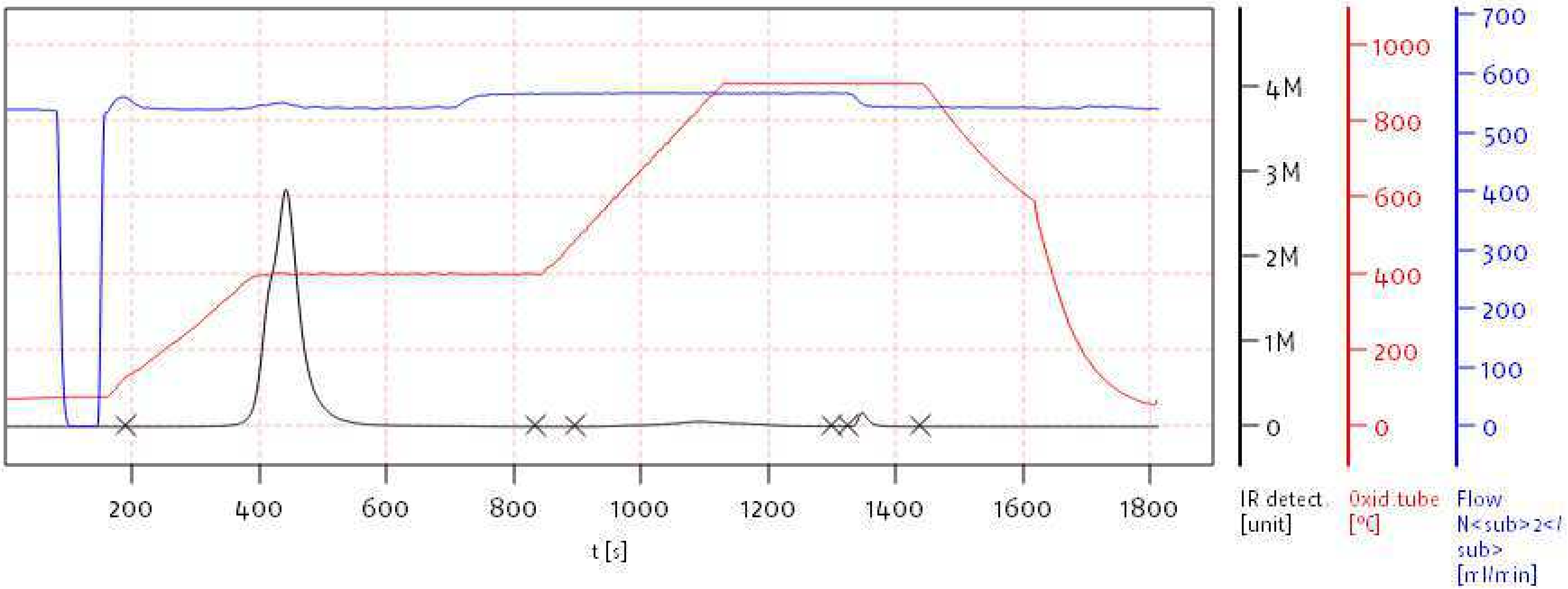
Soli TOC Cube, Carbon
Balance: BAL3
Analyst: DOE

	Pos.	Name	Weight [mg]	Memo	Method	Date Time	Info	TOC [%]	TOC400 Area	TC [%]	ROC [%]	ROC Area	TIC900 Area	TOC400 [%]	TIC900 [%]	TOC400 Factor	TIC900 Factor
140	51	22L0329-25	527.60		CARBON	12/31/2022 1:13 PM	bl	1.722	6 032 597	1.814	0.027	118 871	339 551	1.695	0.092	0.9619	1.0000



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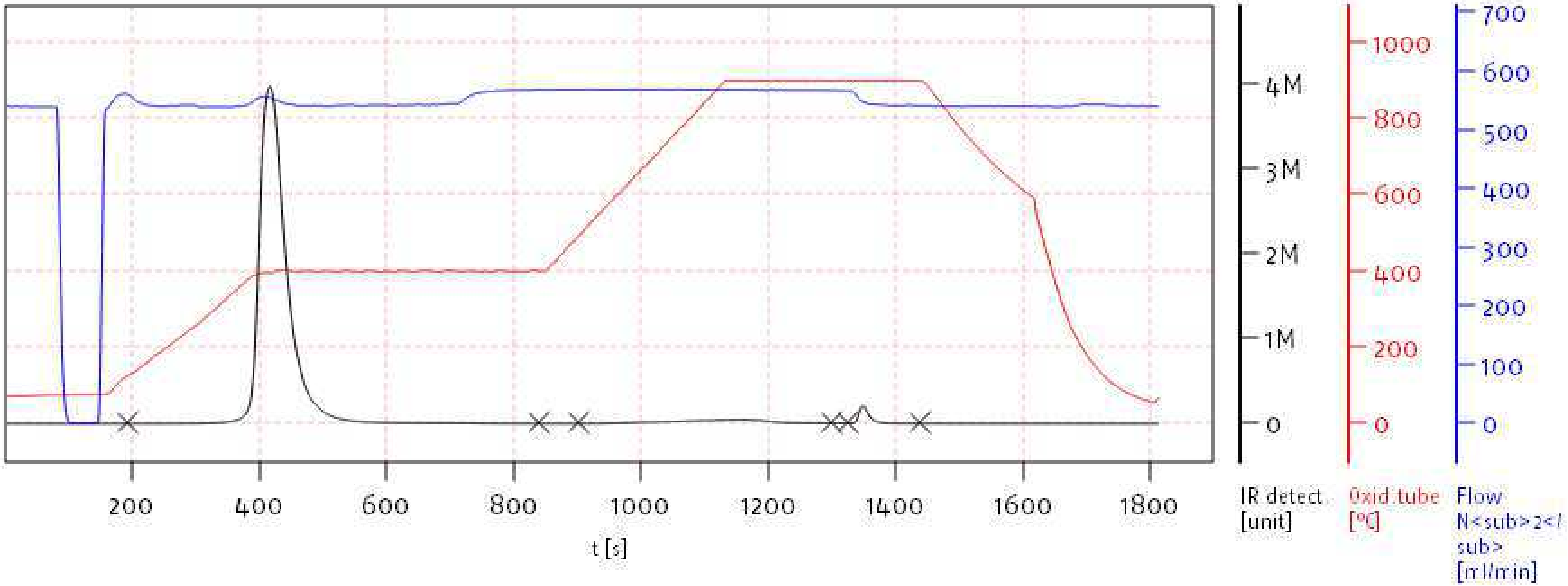
Soli TOC Cube, Carbon
Balance: BAL3
Analyst: DOE

	Pos.	Name	Weight [mg]	Memo	Method	Date Time	Info	TOC [%]	TOC400 Area	TC [%]	ROC [%]	ROC Area	TIC900 Area	TOC400 [%]	TIC900 [%]	TOC400 Factor	TIC900 Factor
141	52	22L0329-26	515.90		CARBON	12/31/2022 1:43 PM	bl	2.171	7 416 684	2.259	0.038	153 467	320 089	2.133	0.088	0.9619	1.0000



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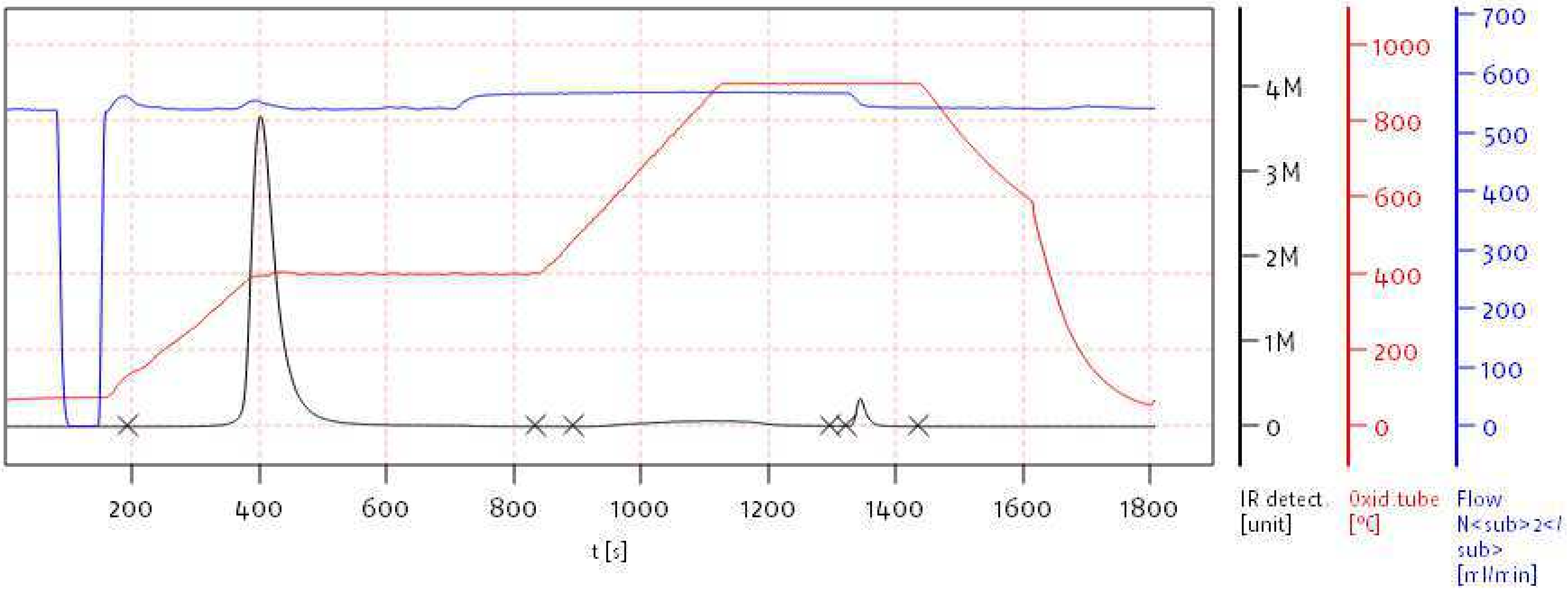
Soli TOC Cube, Carbon
Balance: BAL3
Analyst: DOE

	Pos.	Name	Weight [mg]	Memo	Method	Date Time	Info	TOC [%]	TOC400 Area	TC [%]	ROC [%]	ROC Area	TIC900 Area	TOC400 [%]	TIC900 [%]	TOC400 Factor	TIC900 Factor
142	53	22L0329-27	505.00		CARBON	12/31/2022 2:14 PM	bl	1.989	6 556 551	2.142	0.063	233 415	524 881	1.925	0.153	0.9619	1.0000



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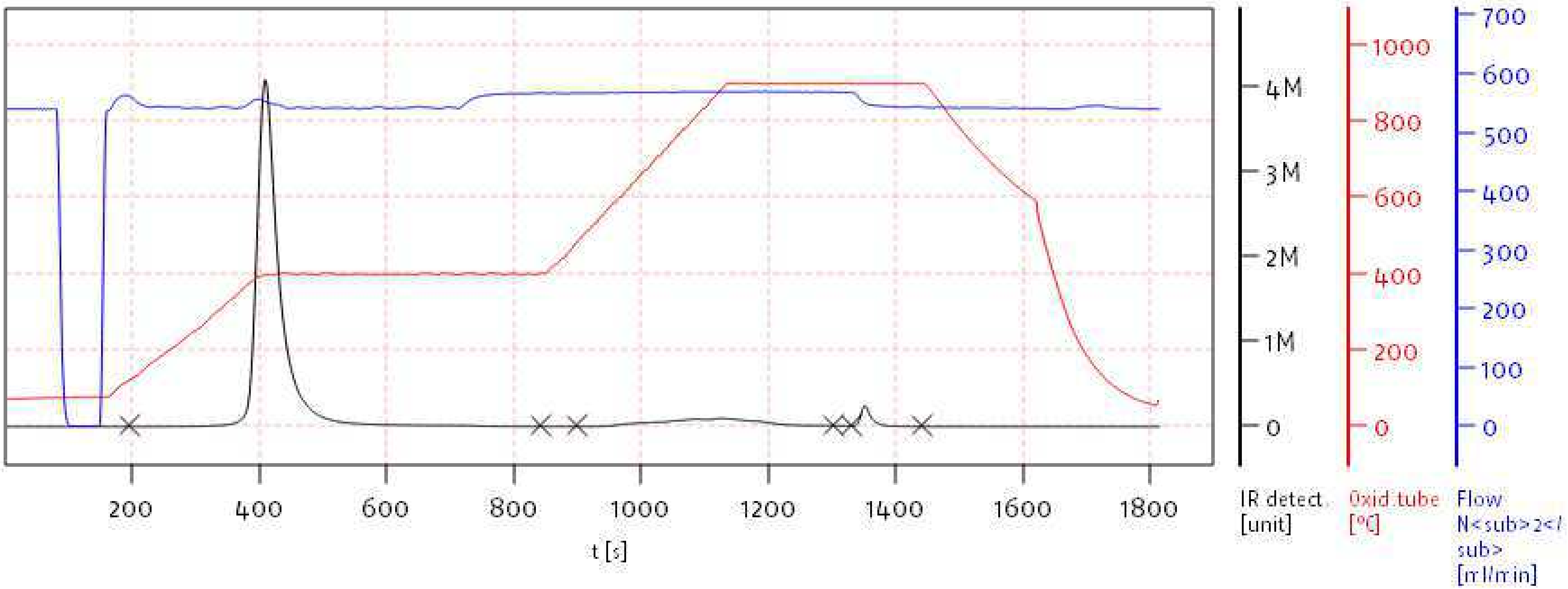
Soli TOC Cube, Carbon
Balance: BAL3
Analyst: DOE

	Pos.	Name	Weight [mg]	Memo	Method	Date Time	Info	TOC [%]	TOC400 Area	TC [%]	ROC [%]	ROC Area	TIC900 Area	TOC400 [%]	TIC900 [%]	TOC400 Factor	TIC900 Factor
143	54	22L0329-28	522.10		CARBON	12/31/2022 2:44 PM	bl	1.863	6 395 374	2.054	0.046	182 984	671 039	1.816	0.191	0.9619	1.0000



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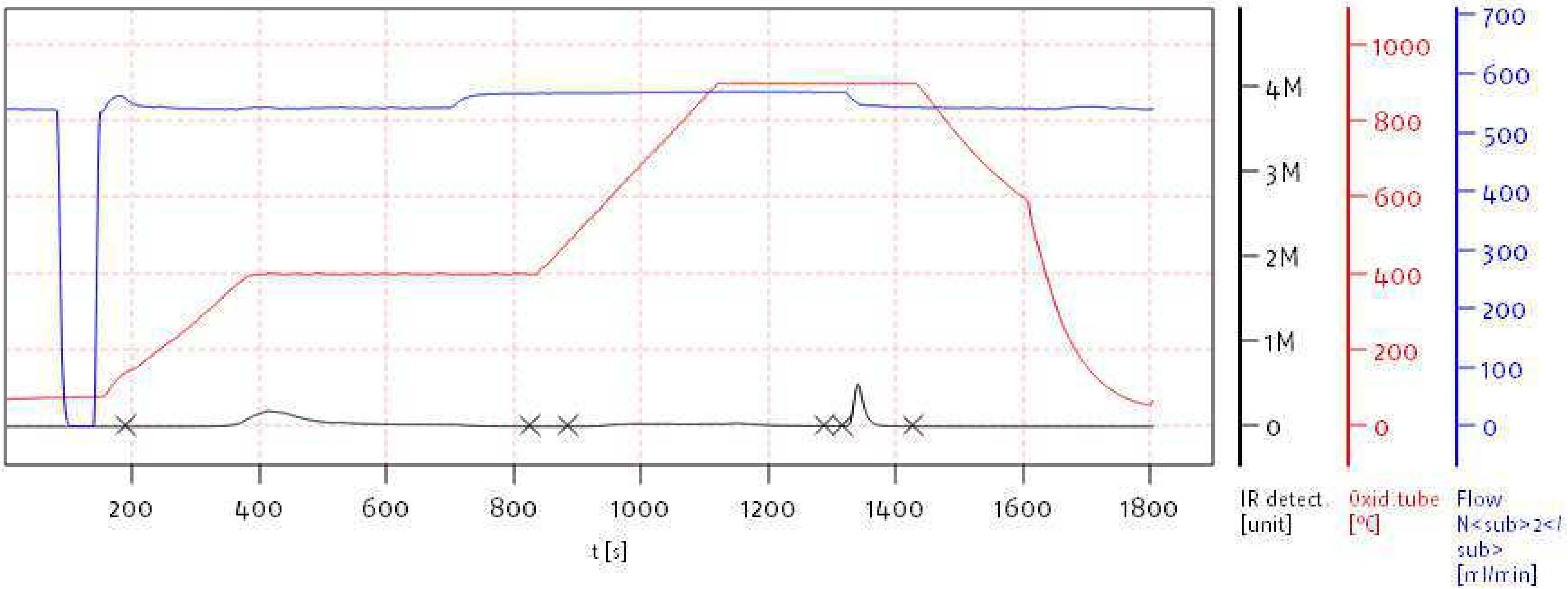
Soli TOC Cube, Carbon
Balance: BAL3
Analyst: DOE

	Pos.	Name	Weight [mg]	Memo	Method	Date Time	Info	TOC [%]	TOC400 Area	TC [%]	ROC [%]	ROC Area	TIC900 Area	TOC400 [%]	TIC900 [%]	TOC400 Factor	TIC900 Factor
144	55	22L0329-29	516.00		CARBON	12/31/2022 3:15 PM	bl	0.352	901 231	0.439	0.099	357 312	318 364	0.252	0.088	0.9619	1.0000



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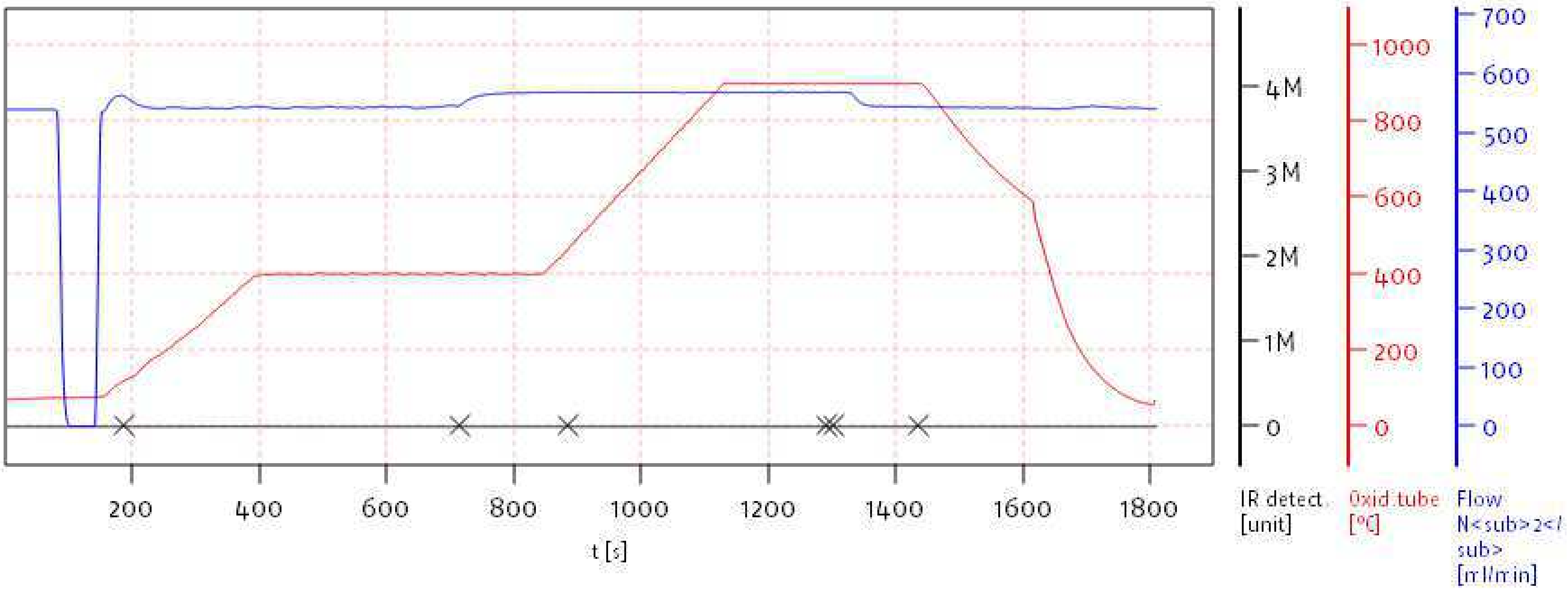
Soli TOC Cube, Carbon
Balance: BAL3
Analyst: DOE

	Pos.	Name	Weight [mg]	Memo	Method	Date Time	Info	TOC [%]	TOC400 Area	TC [%]	ROC [%]	ROC Area	TIC900 Area	TOC400 [%]	TIC900 [%]	TOC400 Factor	TIC900 Factor
145	56	BLANK	1.00		CARBON	12/31/2022 3:46 PM	bl	0.000	8 477	0.000	0.000	377	1 497	0.000	0.000	0.9619	1.0000



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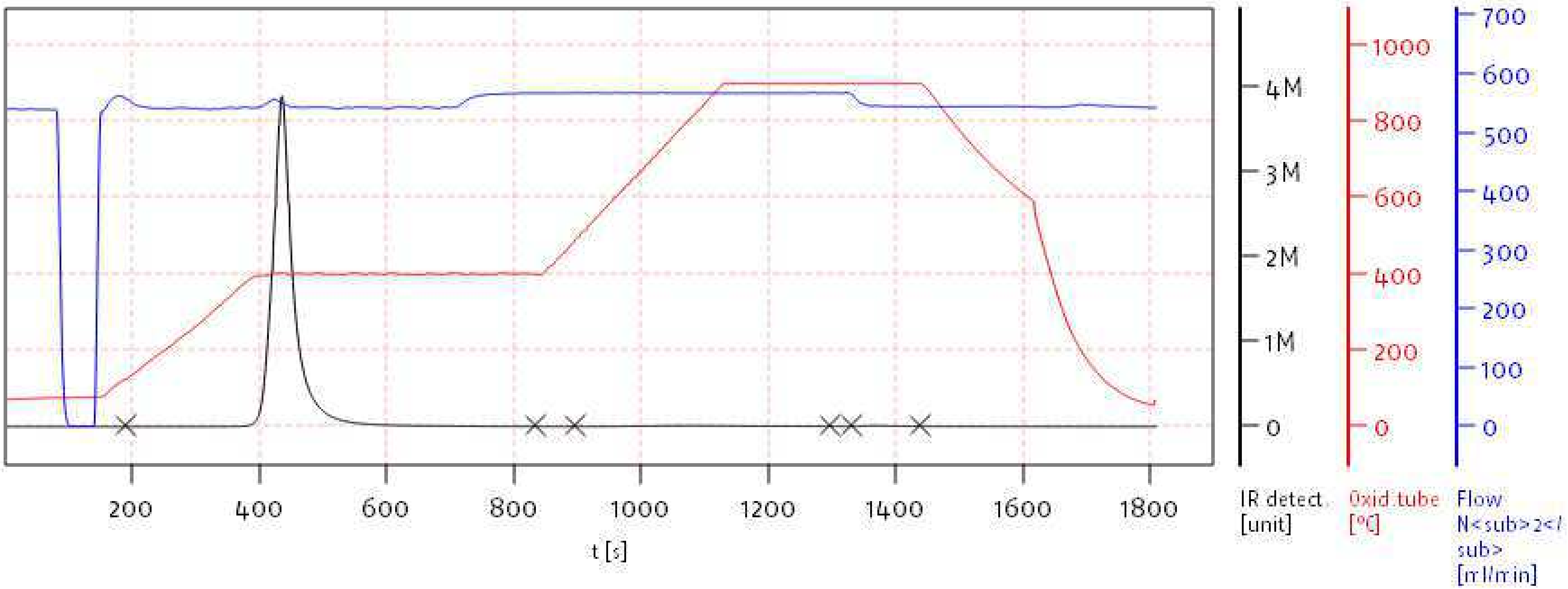
Soli TOC Cube, Carbon
Balance: BAL3
Analyst: DOE

	Pos.	Name	Weight [mg]	Memo	Method	Date Time	Info	TOC [%]	TOC400 Area	TC [%]	ROC [%]	ROC Area	TIC900 Area	TOC400 [%]	TIC900 [%]	TOC400 Factor	TIC900 Factor
146	57	Dfactor	19.30		CARBON	12/31/2022 4:16 PM	bl	44.467	5 642 249	45.050	0.021	29 141	99 276	44.446	0.583	0.9867	1.0000



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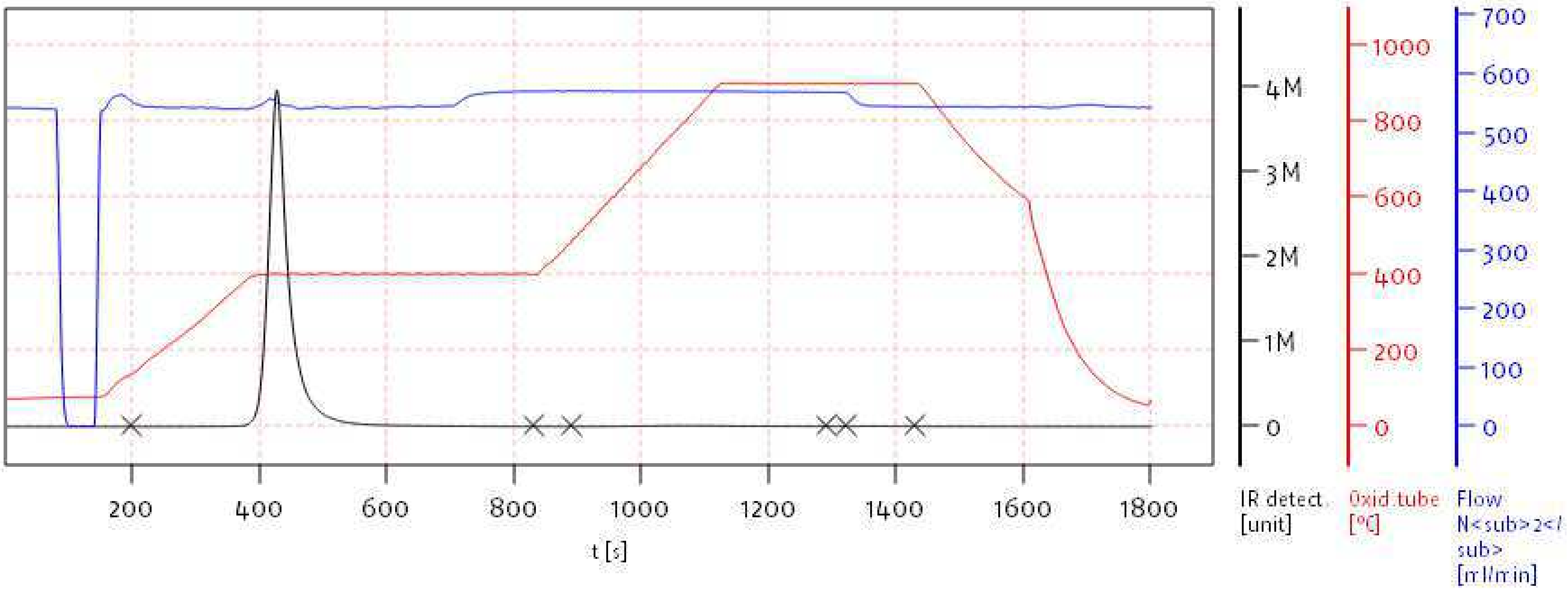
Soli TOC Cube, Carbon
Balance: BAL3
Analyst: DOE

	Pos.	Name	Weight [mg]	Memo	Method	Date Time	Info	TOC [%]	TOC400 Area	TC [%]	ROC [%]	ROC Area	TIC900 Area	TOC400 [%]	TIC900 [%]	TOC400 Factor	TIC900 Factor
147	58	Dfactor	19.20		CARBON	12/31/2022 4:47 PM	bl	44.446	5 701 287	44.935	0.000	19 314	87 237	44.446	0.489	0.9714	1.0000



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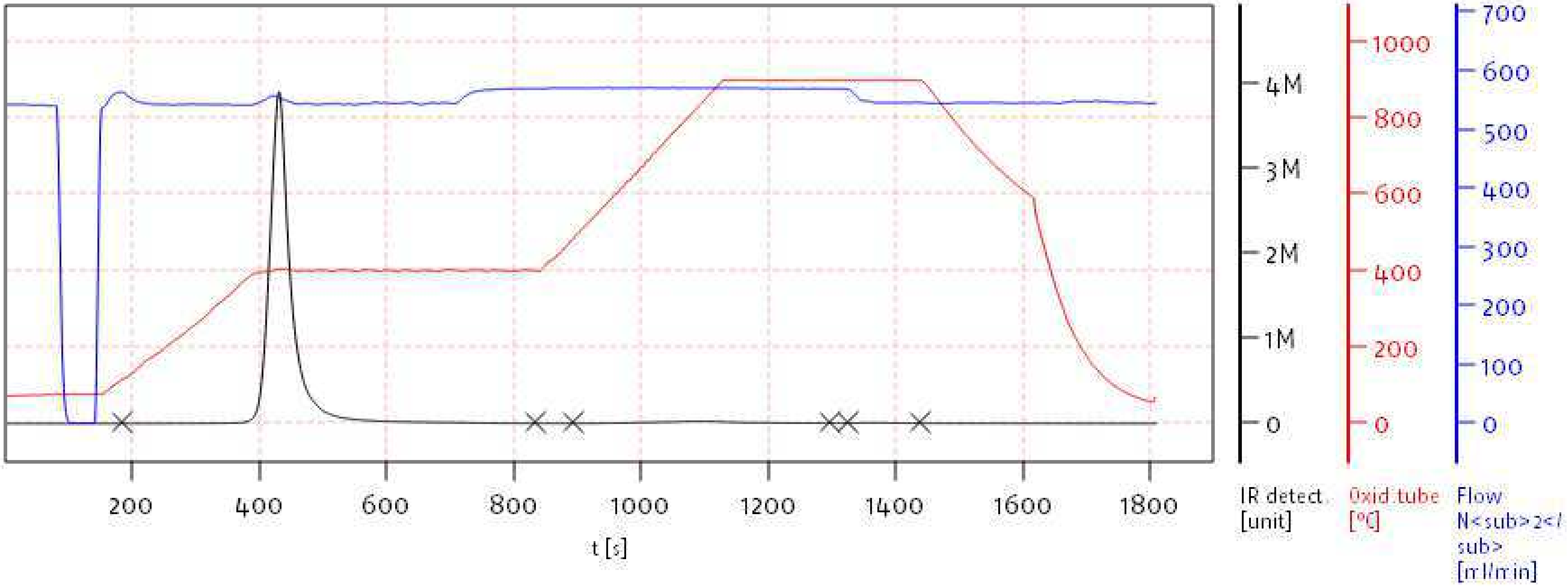
Document: 122822 DOE from: 1/3/2023 7:07 AM

Soli TOC Cube, Carbon
Balance: BAL3
Analyst: DOE

	Pos.	Name	Weight [mg]	Memo	Method	Date Time	Info	TOC [%]	TOC400 Area	TC [%]	ROC [%]	ROC Area	TIC900 Area	TOC400 [%]	TIC900 [%]	TOC400 Factor	TIC900 Factor
148	59	SKL0336-CCVC	19.70		CARBON	12/31/2022 5:17 PM	bl	44.187	5 769 864	45.350	0.000	26 333	174 532	44.187	1.163	0.9791	1.0000



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elementar
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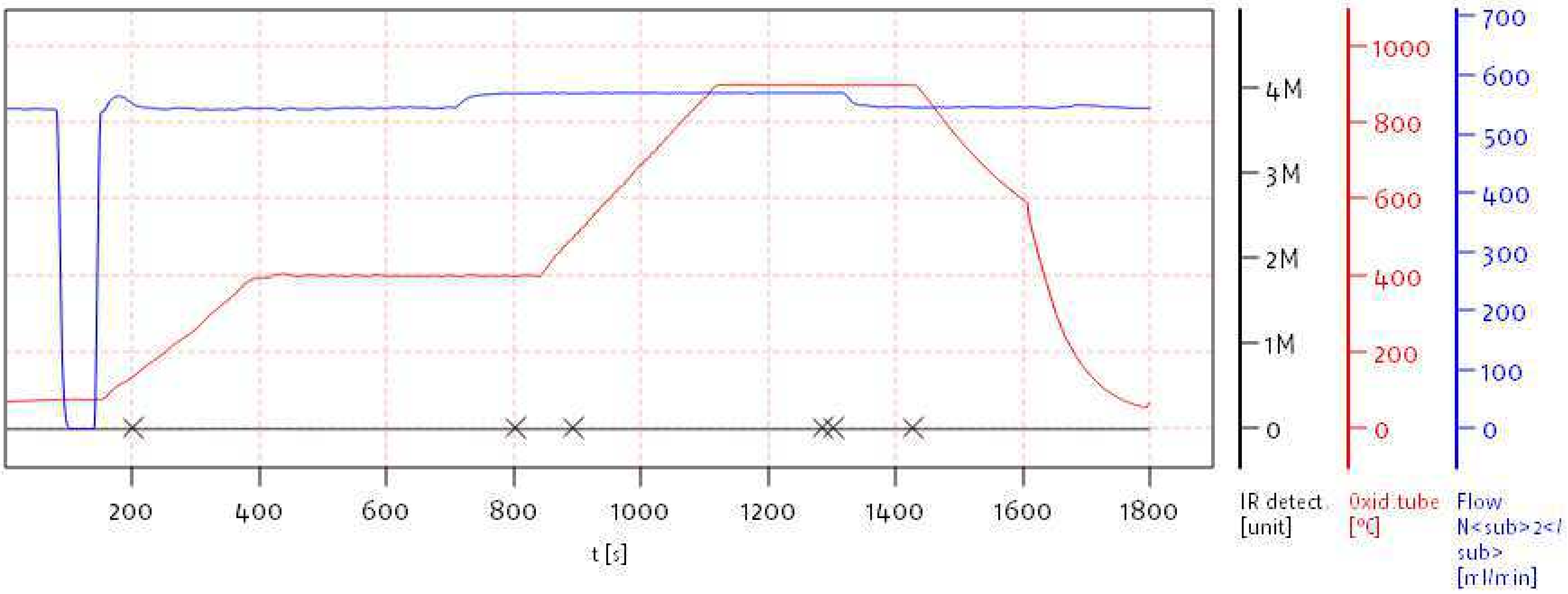
Soli TOC Cube, Carbon
Balance: BAL3
Analyst: DOE

	Pos.	Name	Weight [mg]	Memo	Method	Date Time	Info	TOC [%]	TOC400 Area	TC [%]	ROC [%]	ROC Area	TIC900 Area	TOC400 [%]	TIC900 [%]	TOC400 Factor	TIC900 Factor
149	60	SKL0336-CCBC	512.20		CARBON	12/31/2022 5:48 PM	bl,C3u,C2u	0.000	11 093	0.000	0.000	864	1 929	0.000	0.000	0.9791	1.0000



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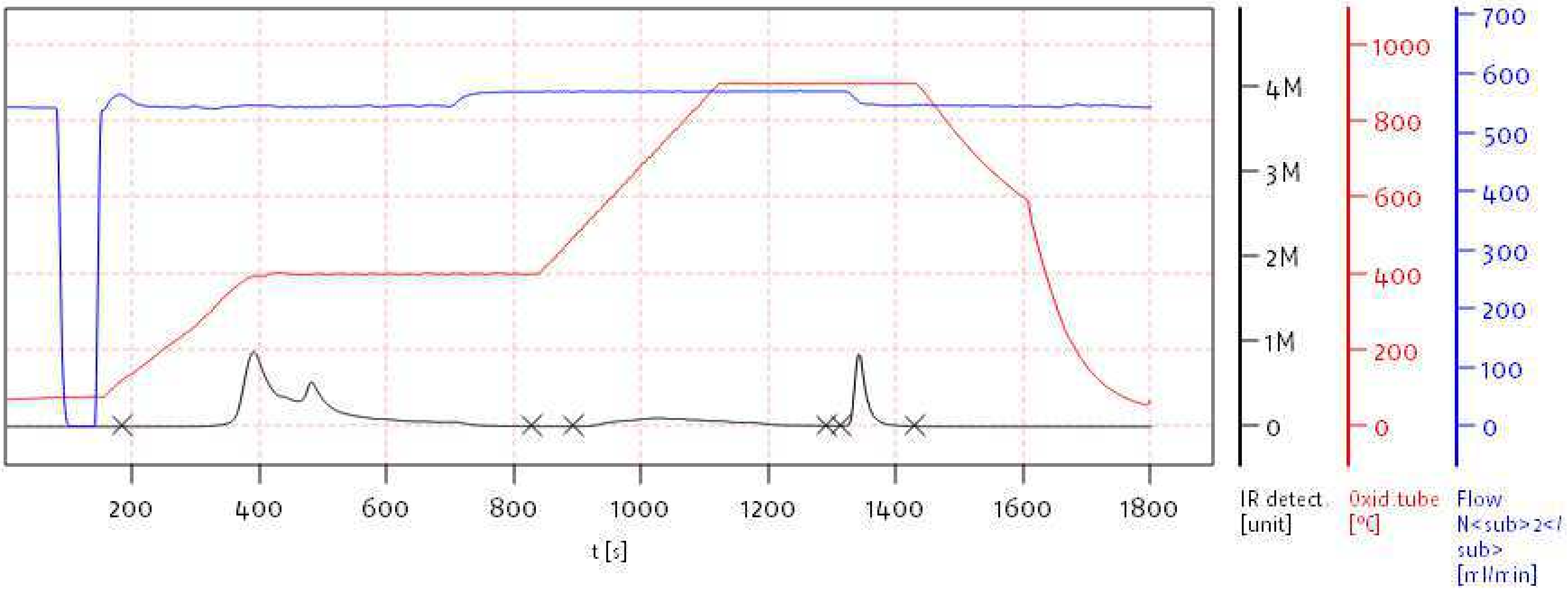
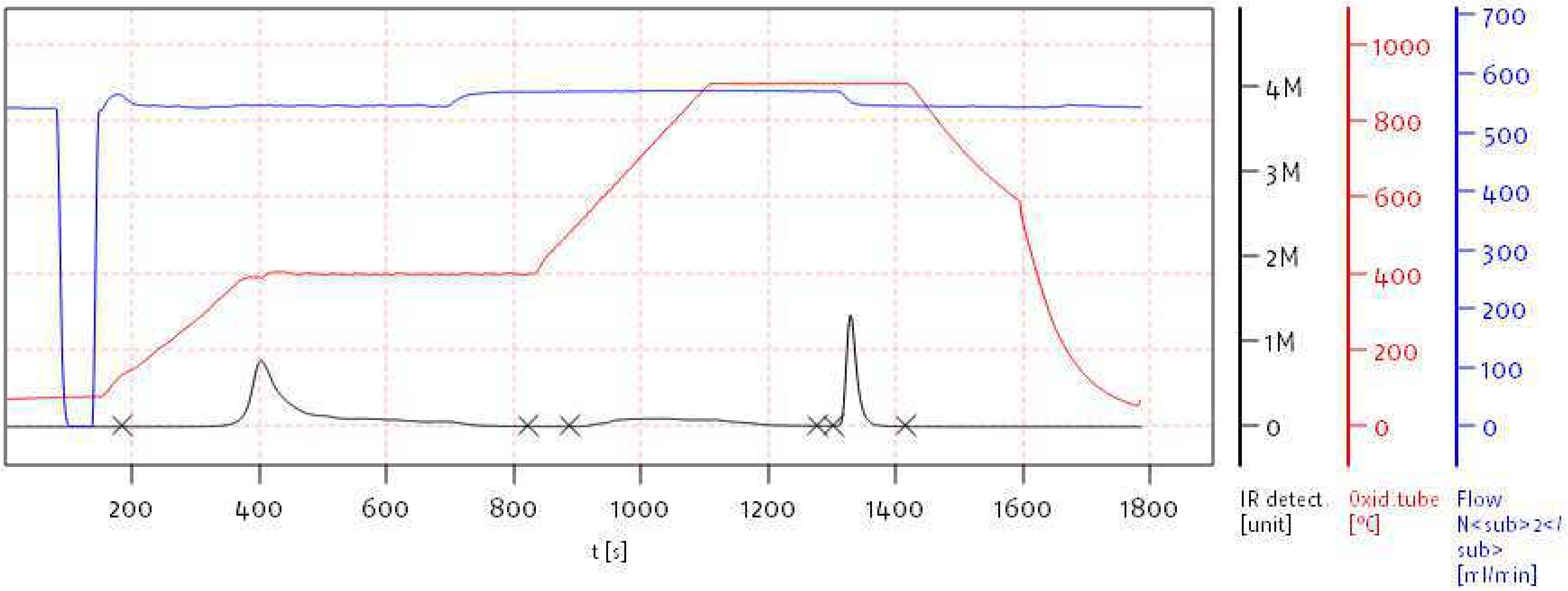
	Pos.	Name	Weight [mg]	Memo	Method	Date Time	Info	TOC [%]	TOC400 Area	TC [%]	ROC [%]	ROC Area	TIC900 Area	TOC400 [%]	TIC900 [%]	TOC400 Factor	TIC900 Factor
150	61	22L0329-30	561.70		CARBON	12/31/2022 6:18 PM	bl	1.080	3 345 240	1.279	0.184	694 697	749 214	0.895	0.199	0.9791	1.0000



Soli TOC Cube, Carbon
Balance: BAL3
Analyst: DOE

	Pos.	Name	Weight [mg]	Memo	Method	Date Time	Info	TOC [%]	TOC400 Area	TC [%]	ROC [%]	ROC Area	TIC900 Area	TOC400 [%]	TIC900 [%]	TOC400 Factor	TIC900 Factor
151	62	22L0329-31	532.90		CARBON	12/31/2022 6:48 PM	bl	0.960	2 437 504	1.180	0.274	970 845	785 419	0.686	0.220	0.9791	1.0000



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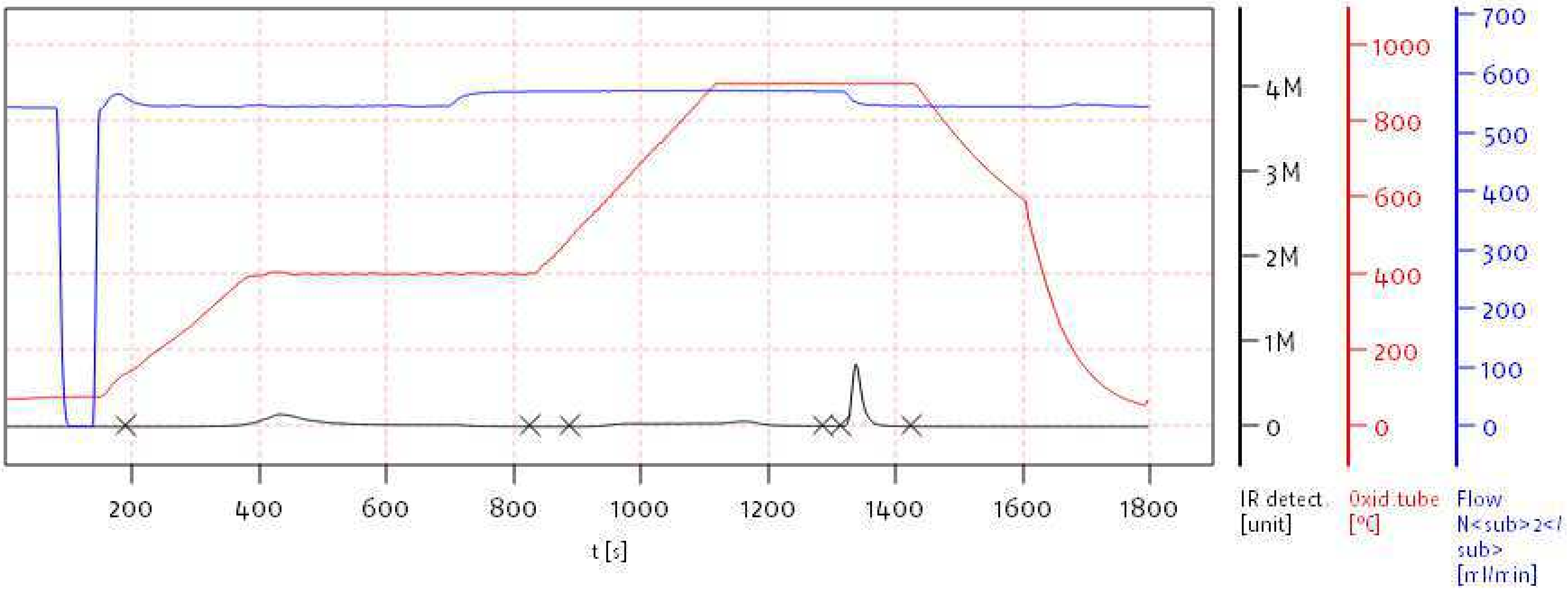
Balance: BAL3
Analyst: DOE

	Pos.	Name	Weight [mg]	Memo	Method	Date Time	Info	TOC [%]	TOC400 Area	TC [%]	ROC [%]	ROC Area	TIC900 Area	TOC400 [%]	TIC900 [%]	TOC400 Factor	TIC900 Factor
152	63	22L0329-32	636.70		CARBON	12/31/2022 7:19 PM	bl	0.278	678 324	0.369	0.123	531 334	403 052	0.155	0.092	0.9791	1.0000



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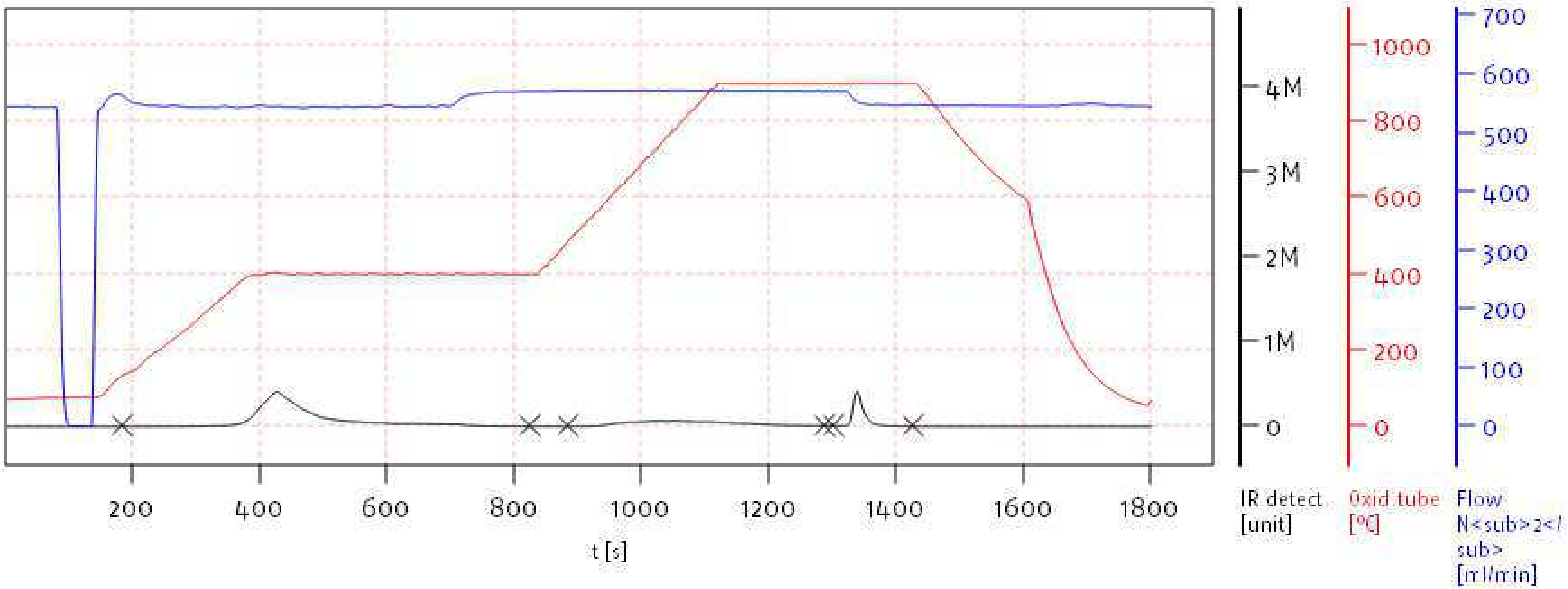
Soli TOC Cube, Carbon

Balance: BAL3

Analyst: DOE

	Pos.	Name	Weight [mg]	Memo	Method	Date Time	Info	TOC [%]	TOC400 Area	TC [%]	ROC [%]	ROC Area	TIC900 Area	TOC400 [%]	TIC900 [%]	TOC400 Factor	TIC900 Factor
153	64	22L0329-33	563.70		CARBON	12/31/2022 7:49 PM	bl	0.483	1 534 676	0.621	0.078	310 333	528 147	0.405	0.138	0.9791	1.0000



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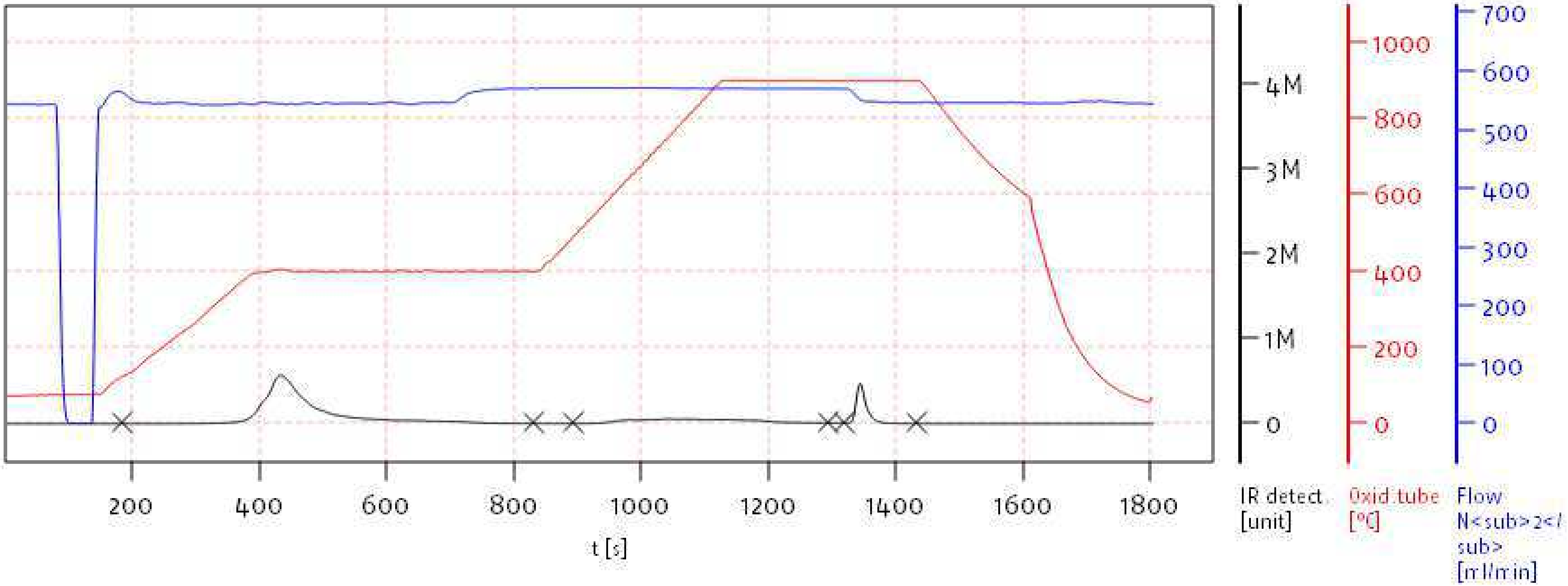
Soli TOC Cube, Carbon
Balance: BAL3
Analyst: DOE

	Pos.	Name	Weight [mg]	Memo	Method	Date Time	Info	TOC [%]	TOC400 Area	TC [%]	ROC [%]	ROC Area	TIC900 Area	TOC400 [%]	TIC900 [%]	TOC400 Factor	TIC900 Factor
154	65	22L0 329-34	654.60		CARBON	12/31/2022 8:20 PM	bl	0.512	1 924 577	0.620	0.072	331 303	485 000	0.439	0.108	0.9791	1.0000



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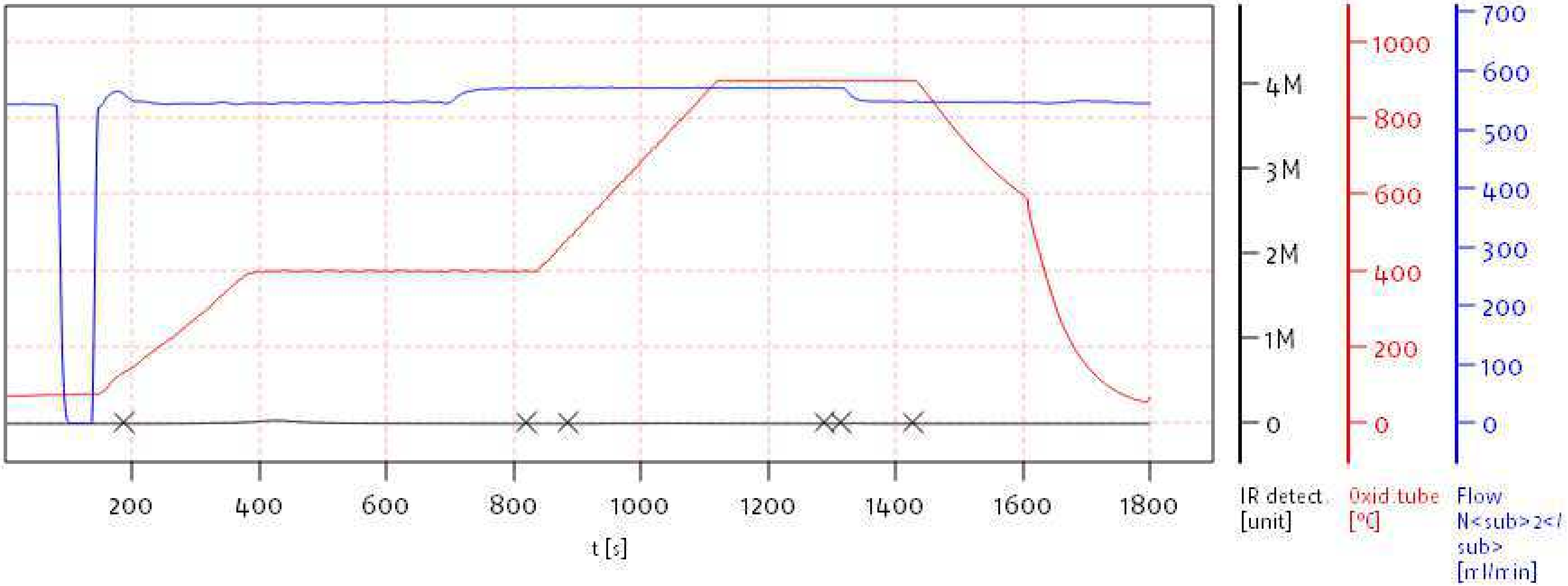
Soli TOC Cube, Carbon
Balance: BAL3
Analyst: DOE

	Pos.	Name	Weight [mg]	Memo	Method	Date Time	Info	TOC [%]	TOC400 Area	TC [%]	ROC [%]	ROC Area	TIC900 Area	TOC400 [%]	TIC900 [%]	TOC400 Factor	TIC900 Factor
155	66	22L0329-35	554.00		CARBON	12/31/2022 8:50 PM	bl	0.041	175 811	0.043	0.000	5 283	32 621	0.041	0.002	0.9791	1.0000



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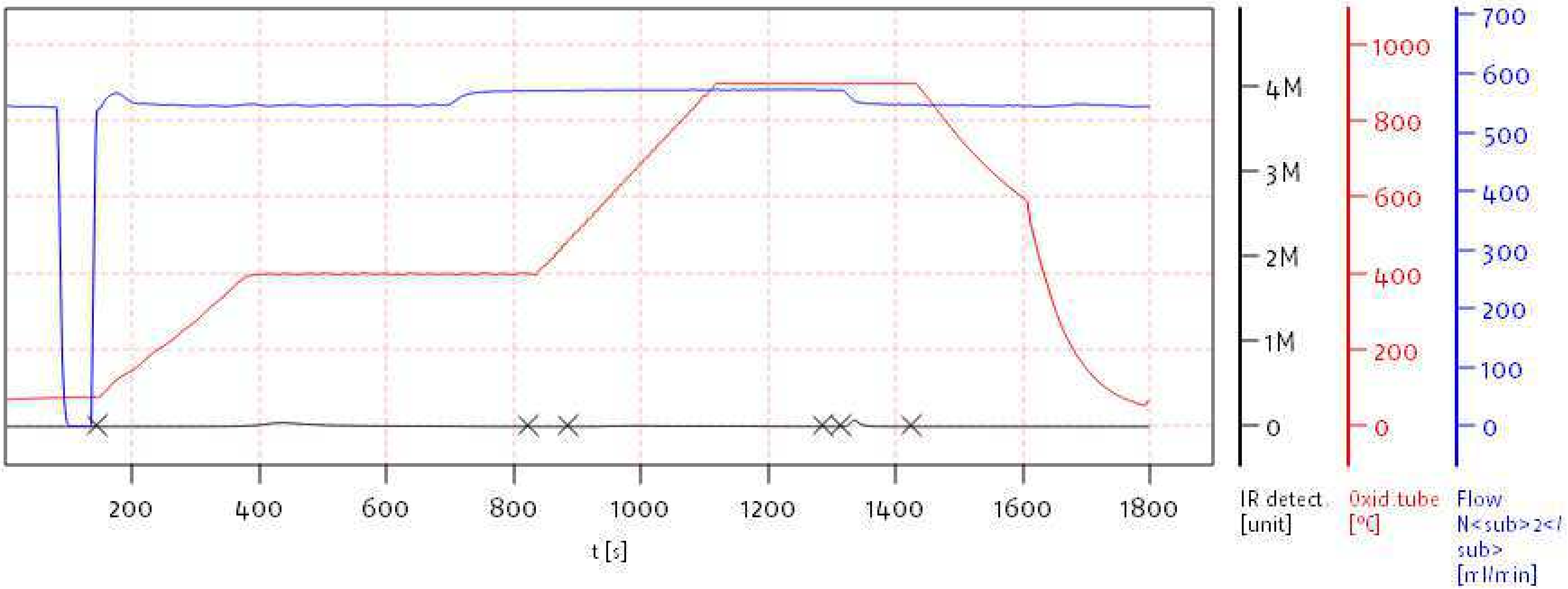
Access: soliTOC superuser

Date: Tue Jan 3 07:07:46 2023

soliTOC V2.0.2 (31015f9) 2018-11-19
Serial No: 0300.181017
Mode CCC

Soli TOC Cube, Carbon
Balance: BAL3
Analyst: DOE

	Pos.	Name	Weight [mg]	Memo	Method	Date Time	Info	TOC [%]	TOC400 Area	TC [%]	ROC [%]	ROC Area	TIC900 Area	TOC400 [%]	TIC900 [%]	TOC400 Factor	TIC900 Factor
156	67	22L0329-36	565.00		CARBON	12/31/2022 9:20 PM	bl	0.058	215 475	0.069	0.007	51 654	69 911	0.051	0.012	0.9791	1.0000



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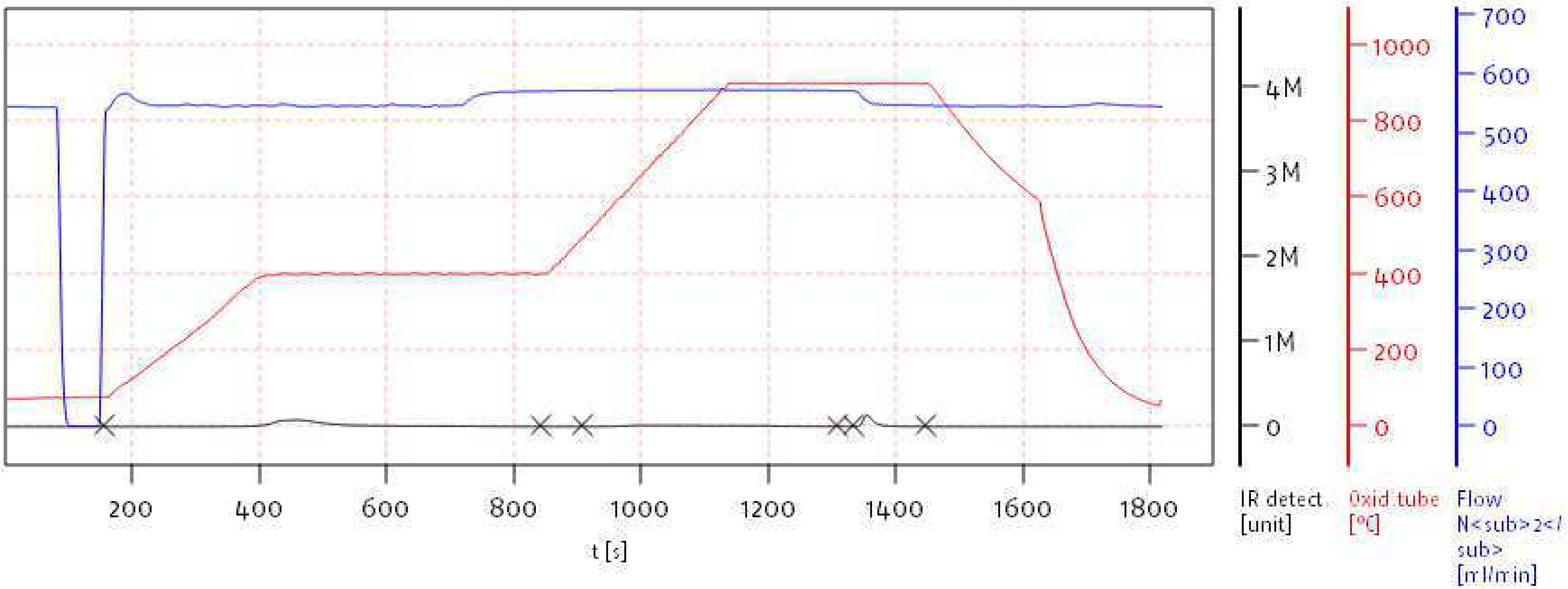
Date: Tue Jan 3 07:07:46 2023

soliTOC V2.0.2 (31015f9) 2018-11-19
Serial No: 0300.181017
Mode CCC

Soli TOC Cube, Carbon
Balance: BAL3
Analyst: DOE

	Pos.	Name	Weight [mg]	Memo	Method	Date Time	Info	TOC [%]	TOC400 Area	TC [%]	ROC [%]	ROC Area	TIC900 Area	TOC400 [%]	TIC900 [%]	TOC400 Factor	TIC900 Factor
157	68	22L0329-37	531.80		CARBON	12/31/2022 9:51 PM	bl	0.110	336 501	0.137	0.022	100 910	120 109	0.088	0.027	0.9791	1.0000



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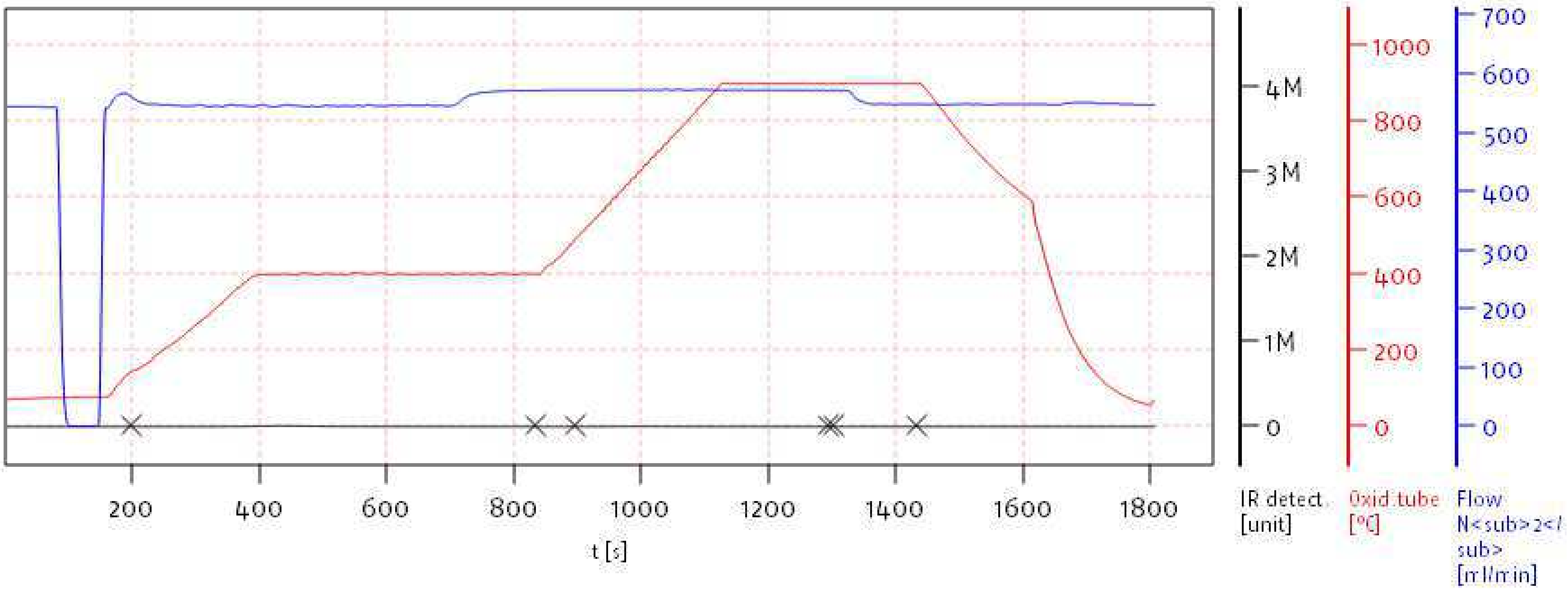
soliTOC V2.0.2 (31015f9) 2018-11-19
Serial No: 0300.181017
Mode CCC

Soli TOC Cube, Carbon
Balance: BAL3
Analyst: DOE

	Pos.	Name	Weight [mg]	Memo	Method	Date Time	Info	TOC [%]	TOC400 Area	TC [%]	ROC [%]	ROC Area	TIC900 Area	TOC400 [%]	TIC900 [%]	TOC400 Factor	TIC900 Factor
158	69	22L0 329-38	511.30		CARBON	12/31/20 22 10:22 PM	bl,C2u	0.006	45 577	0.006	0.000	2 073	12 913	0.006	0.000	0.9791	1.0000



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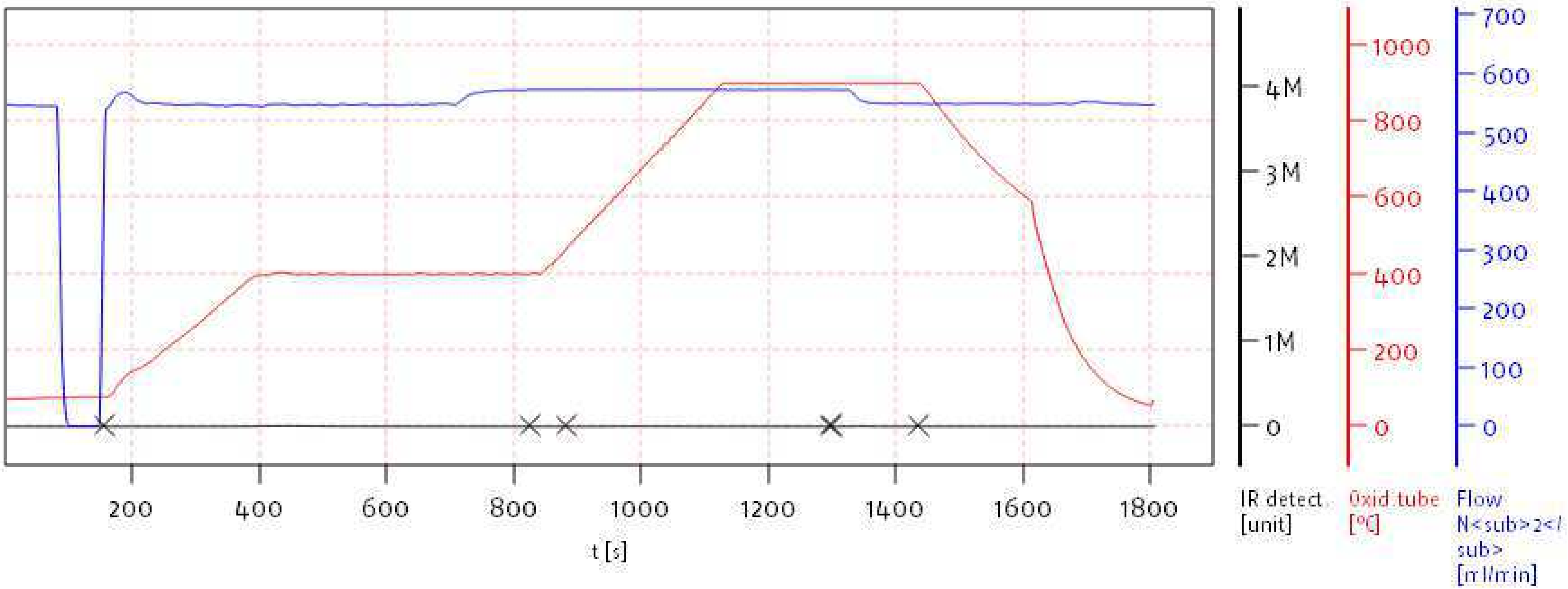
soliTOC V2.0.2 (31015f9) 2018-11-19
Serial No: 0300.181017
Mode CCC

Soli TOC Cube, Carbon
Balance: BAL3
Analyst: DOE

	Pos.	Name	Weight [mg]	Memo	Method	Date Time	Info	TOC [%]	TOC400 Area	TC [%]	ROC [%]	ROC Area	TIC900 Area	TOC400 [%]	TIC900 [%]	TOC400 Factor	TIC900 Factor
159	70	22L0 329-39	538.80		CARBON	12/31/20 22 10:52 PM	bl	0.003	38 567	0.003	0.000	4 278	11 875	0.003	0.000	0.9791	1.0000



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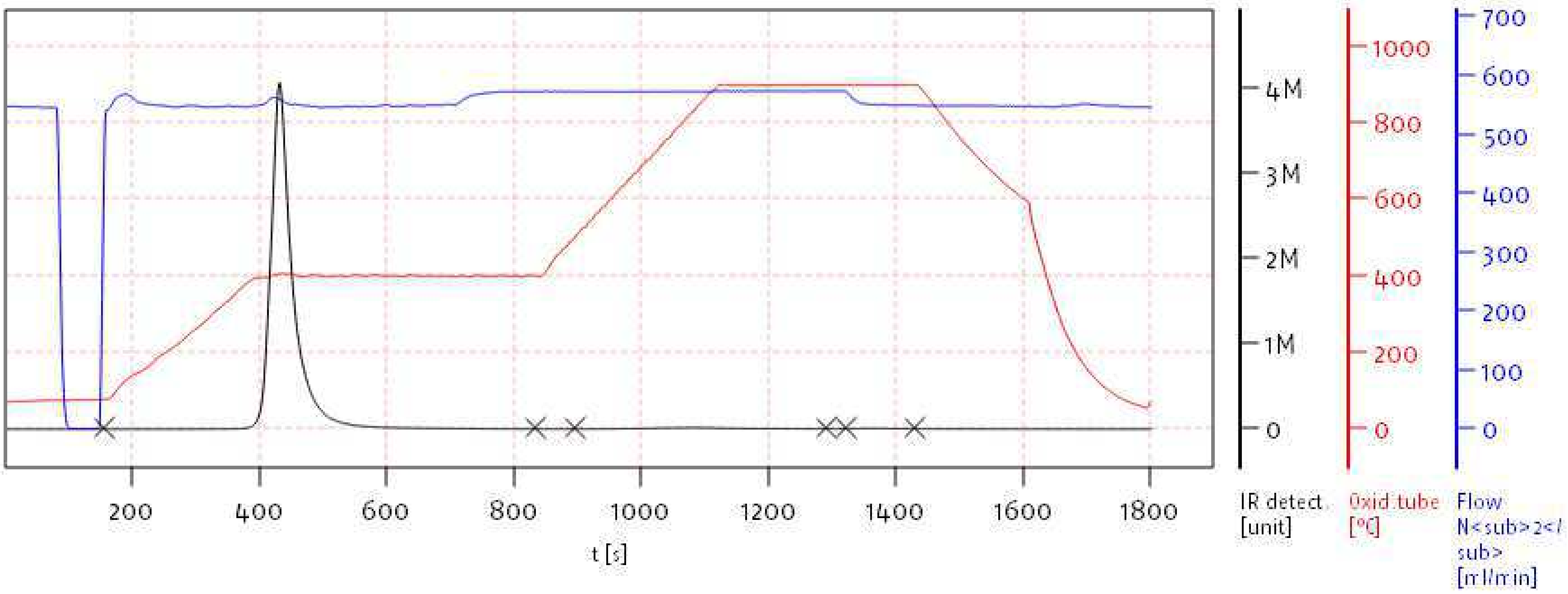
Serial No: 0300.181017
Mode CCC

Soli TOC Cube, Carbon
Balance: BAL3
Analyst: DOE

	Pos.	Name	Weight [mg]	Memo	Method	Date Time	Info	TOC [%]	TOC400 Area	TC [%]	ROC [%]	ROC Area	TIC900 Area	TOC400 [%]	TIC900 [%]	TOC400 Factor	TIC900 Factor
160	71	SKL0336-CCVD	20.70		CARBON	12/31/2022 11:23 PM	bl	44.344	6 082 897	44.986	0.000	25 317	112 404	44.344	0.642	0.9791	1.0000



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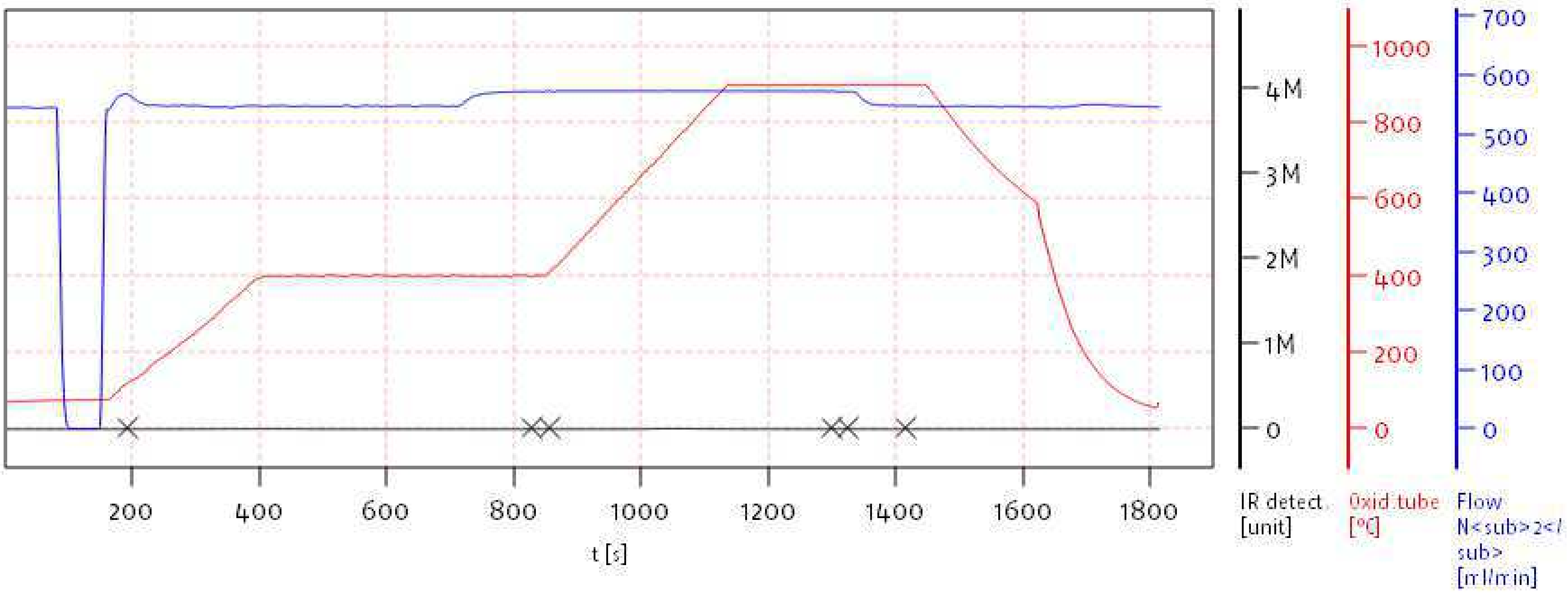
Soli TOC Cube, Carbon
Balance: BAL3
Analyst: DOE

	Pos.	Name	Weight [mg]	Memo	Method	Date Time	Info	TOC [%]	TOC400 Area	TC [%]	ROC [%]	ROC Area	TIC900 Area	TOC400 [%]	TIC900 [%]	TOC400 Factor	TIC900 Factor
161	72	SKL0336-CCBD	510.00		CARBON	12/31/2022 11:53 PM	bl,C2u	0.000	18 170	0.000	0.000	1 299	27 248	0.000	0.000	0.9791	1.0000



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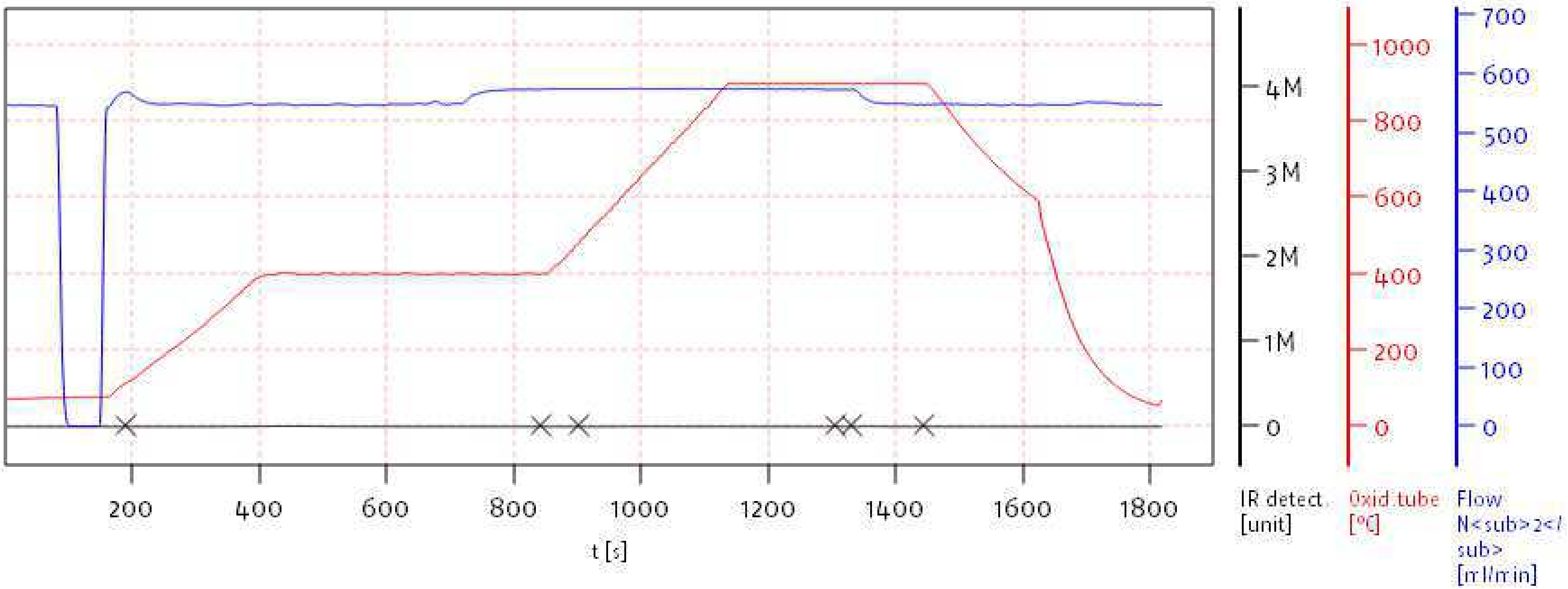
Serial No: 0300.181017
Mode CCC

Soli TOC Cube, Carbon
Balance: BAL3
Analyst: DOE

	Pos.	Name	Weight [mg]	Memo	Method	Date Time	Info	TOC [%]	TOC400 Area	TC [%]	ROC [%]	ROC Area	TIC900 Area	TOC400 [%]	TIC900 [%]	TOC400 Factor	TIC900 Factor
162	73	22L0329-40	508.40		CARBON	1/1/2023 12:24 AM	bl	0.003	38 201	0.003	0.000	4 604	12 641	0.003	0.000	0.9791	1.0000



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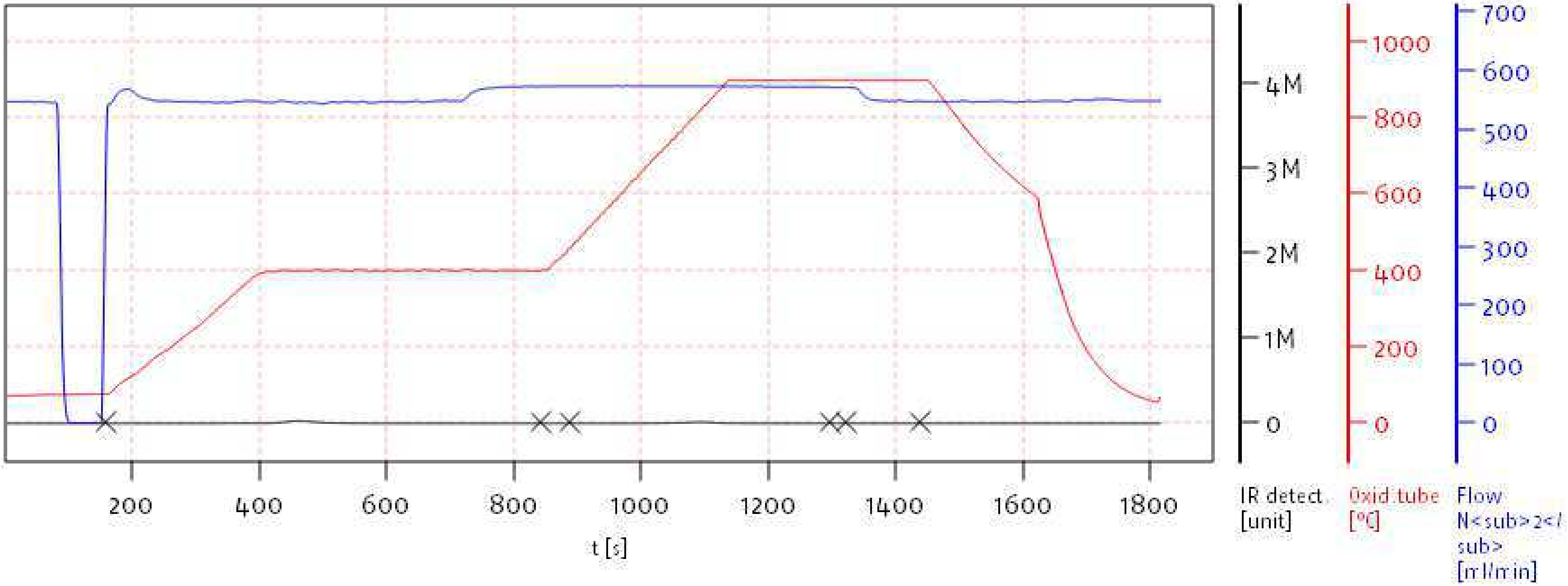
Serial No: 0300.181017
Mode CCC

Soli TOC Cube, Carbon
Balance: BAL3
Analyst: DOE

	Pos.	Name	Weight [mg]	Memo	Method	Date Time	Info	TOC [%]	TOC400 Area	TC [%]	ROC [%]	ROC Area	TIC900 Area	TOC400 [%]	TIC900 [%]	TOC400 Factor	TIC900 Factor
163	74	BKL0652-MRL1	548.60		CARBON	1/1/2023 12:55 AM	bl,C2u	0.013	73 613	0.016	0.000	678	38 165	0.013	0.003	0.9791	1.0000



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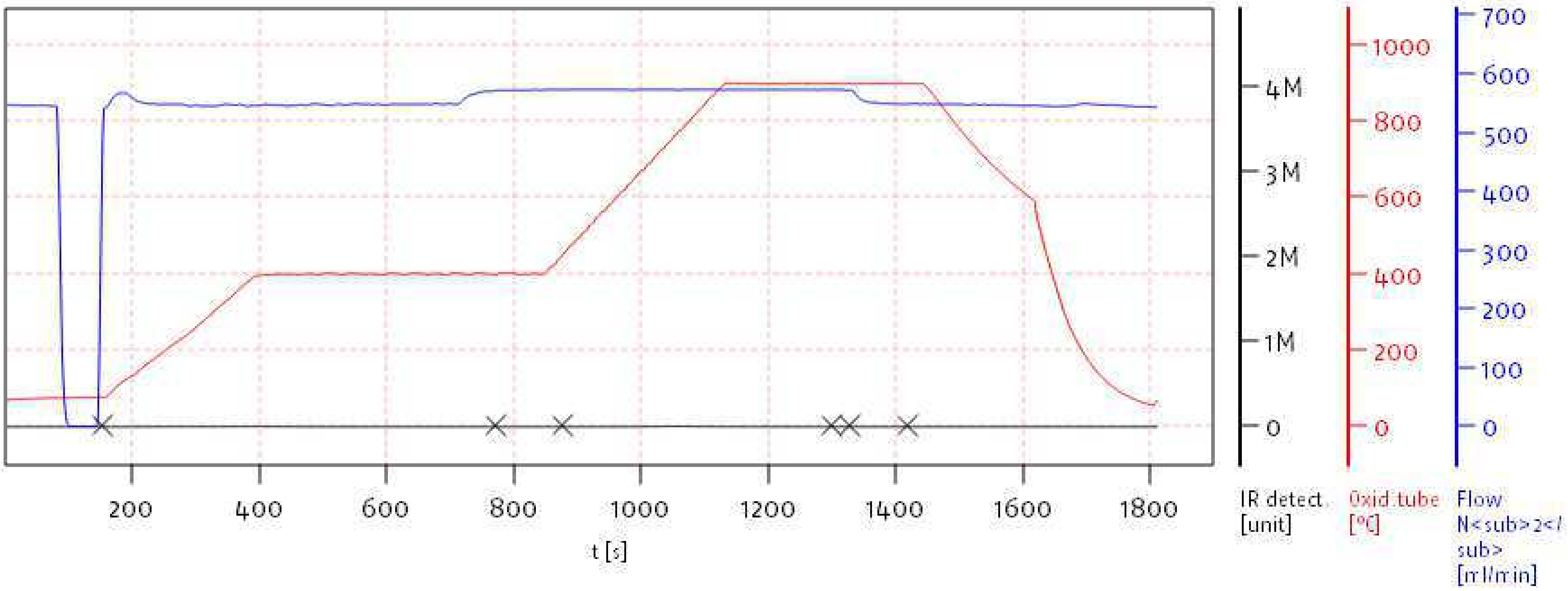
soliTOC V2.0.2 (31015f9) 2018-11-19
Serial No: 0300.181017
Mode CCC

Soli TOC Cube, Carbon
Balance: BAL3
Analyst: DOE

	Pos.	Name	Weight [mg]	Memo	Method	Date Time	Info	TOC [%]	TOC400 Area	TC [%]	ROC [%]	ROC Area	TIC900 Area	TOC400 [%]	TIC900 [%]	TOC400 Factor	TIC900 Factor
164	75	BKL0652-BLK1	511.00		CARBON	1/1/2023 1:25 AM	bl,C2u	0.000	20 971	0.000	0.000	644	21 914	0.000	0.000	0.9791	1.0000



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Date: Tue Jan 3 07:07:46 2023

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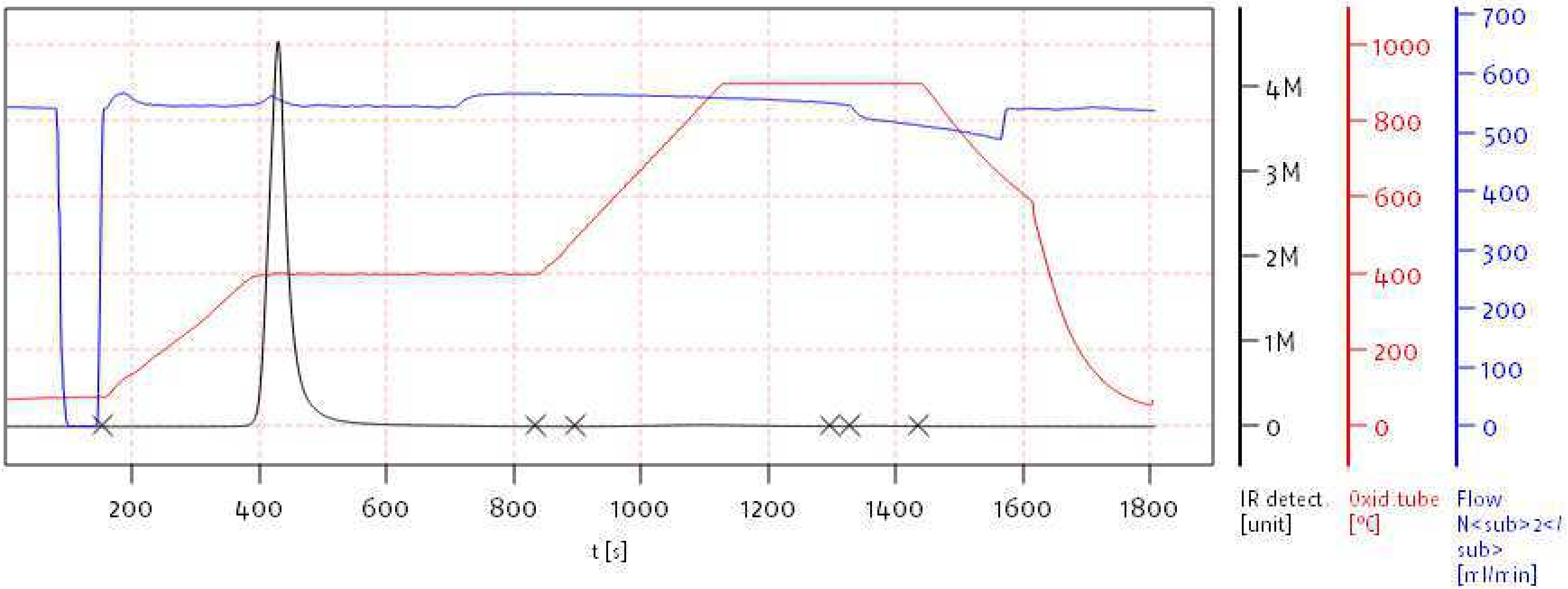
soliTOC V2.0.2 (31015f9) 2018-11-19
Serial No: 0300.181017
Mode CCC

Soli TOC Cube, Carbon
Balance: BAL3
Analyst: DOE

	Pos.	Name	Weight [mg]	Memo	Method	Date Time	Info	TOC [%]	TOC400 Area	TC [%]	ROC [%]	ROC Area	TIC900 Area	TOC400 [%]	TIC900 [%]	TOC400 Factor	TIC900 Factor
165	76	BKL0652-BS1	21.30		CARBON	1/1/2023 1:56 AM	bl	44.428	6 269 704	45.307	0.003	26 980	147 586	44.424	0.880	0.9791	1.0000



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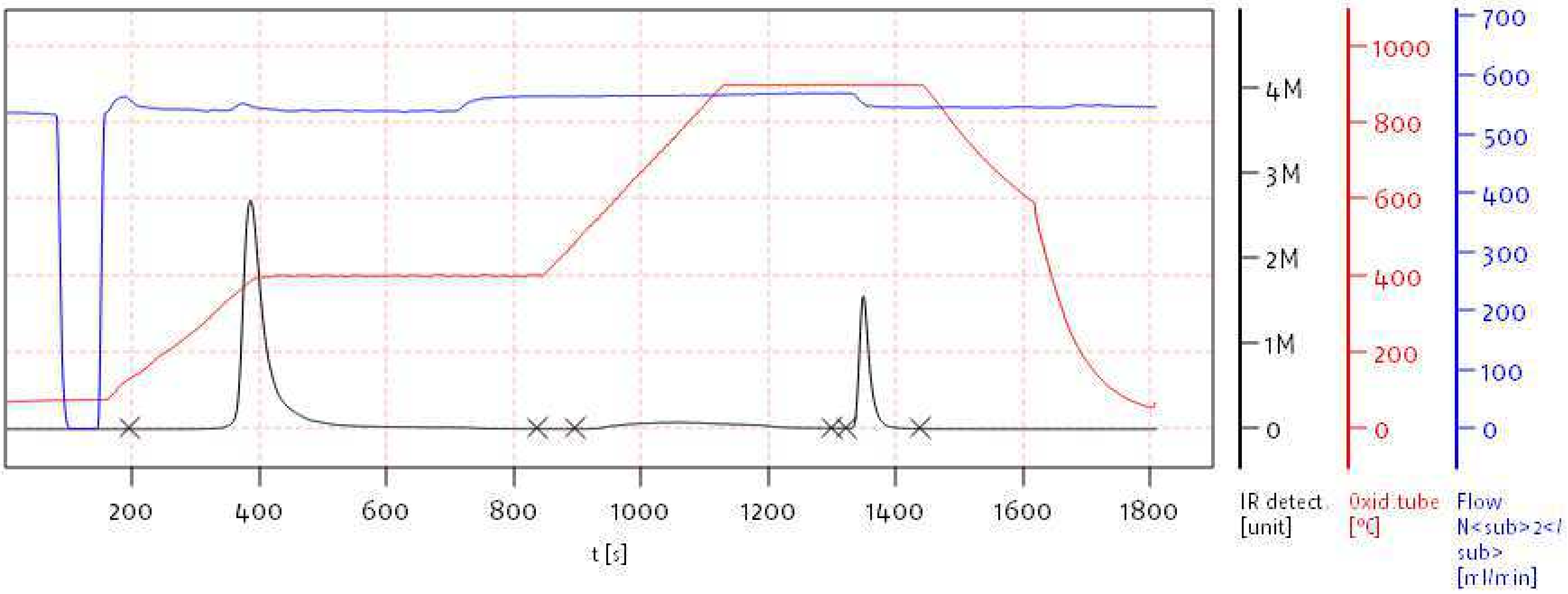
Mode CCC

Soli TOC Cube, Carbon
Balance: BAL3
Analyst: DOE

	Pos.	Name	Weight [mg]	Memo	Method	Date Time	Info	TOC [%]	TOC400 Area	TC [%]	ROC [%]	ROC Area	TIC900 Area	TOC400 [%]	TIC900 [%]	TOC400 Factor	TIC900 Factor
166	77	BKL0652-SRM1	274.70		CARBON	1/1/2023 2:26 AM	bl	2.992	4 317 746	3.355	0.624	1 134 237	670 186	2.368	0.363	0.9791	1.0000



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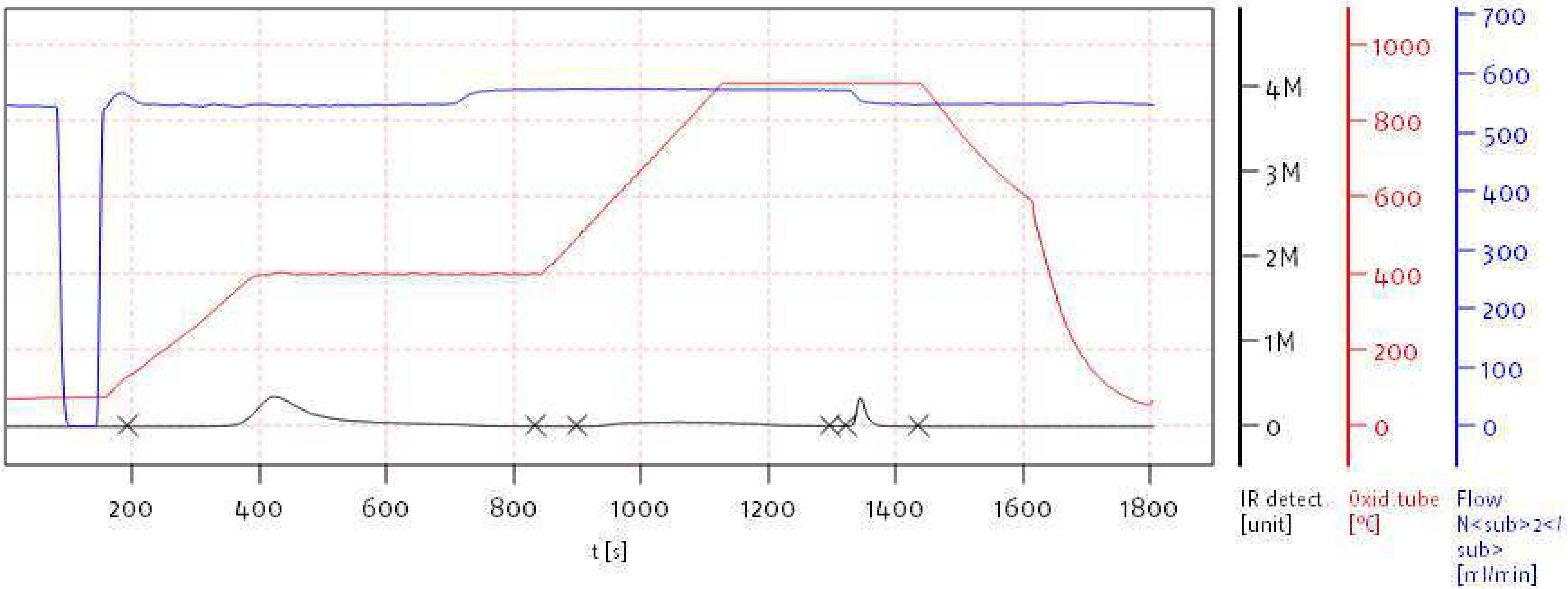
Serial No: 0300.181017
Mode CCC

Soli TOC Cube, Carbon

Balance: BAL3

Analyst: DOE

	Pos.	Name	Weight [mg]	Memo	Method	Date Time	Info	TOC [%]	TOC400 Area	TC [%]	ROC [%]	ROC Area	TIC900 Area	TOC400 [%]	TIC900 [%]	TOC400 Factor	TIC900 Factor
167	78	22L0329-41	525.30		CARBON	1/1/2023 2:57 AM	bl	0.498	1 543 037	0.621	0.060	230 904	443 169	0.438	0.123	0.9791	1.0000



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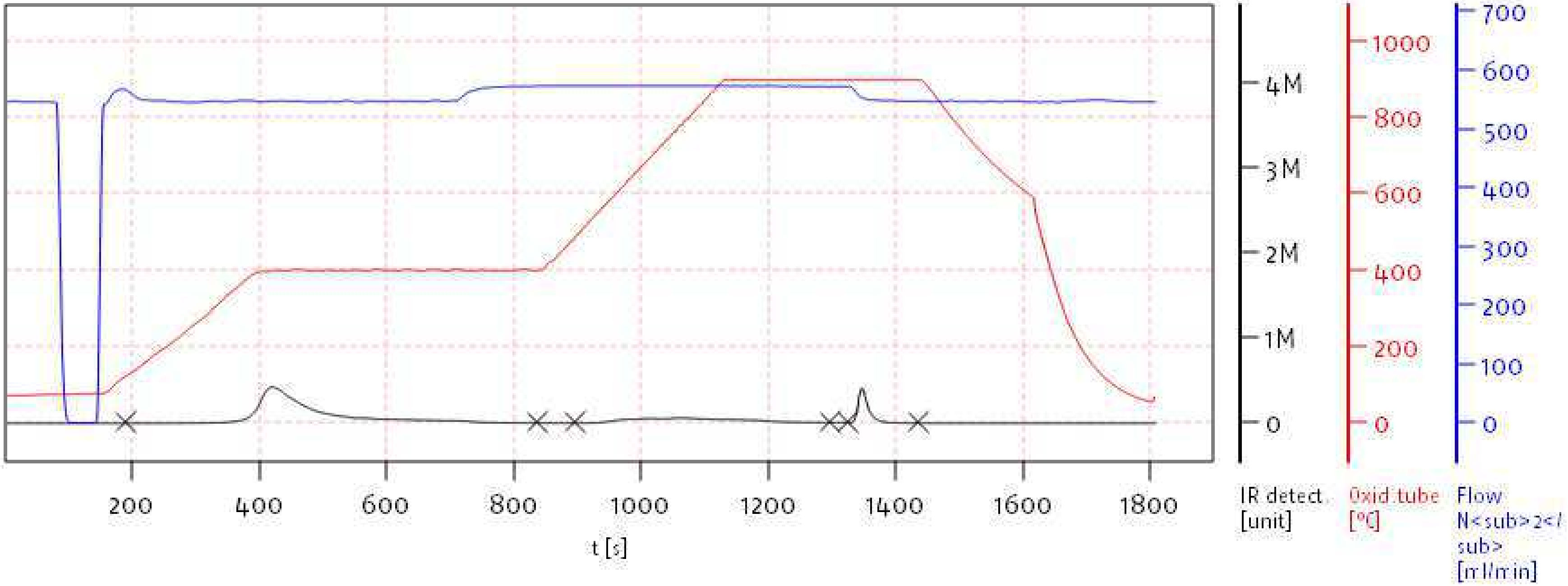
Soli TOC Cube, Carbon
Balance: BAL3
Analyst: DOE

	Pos.	Name	Weight [mg]	Memo	Method	Date Time	Info	TOC [%]	TOC400 Area	TC [%]	ROC [%]	ROC Area	TIC900 Area	TOC400 [%]	TIC900 [%]	TOC400 Factor	TIC900 Factor
168	79	BKL0652-DUP1	572.30		CARBON	1/1/2023 3:27 AM	bl	0.506	1 662 421	0.634	0.072	294 170	501 341	0.433	0.128	0.9791	1.0000



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Serial No: 0300.181017
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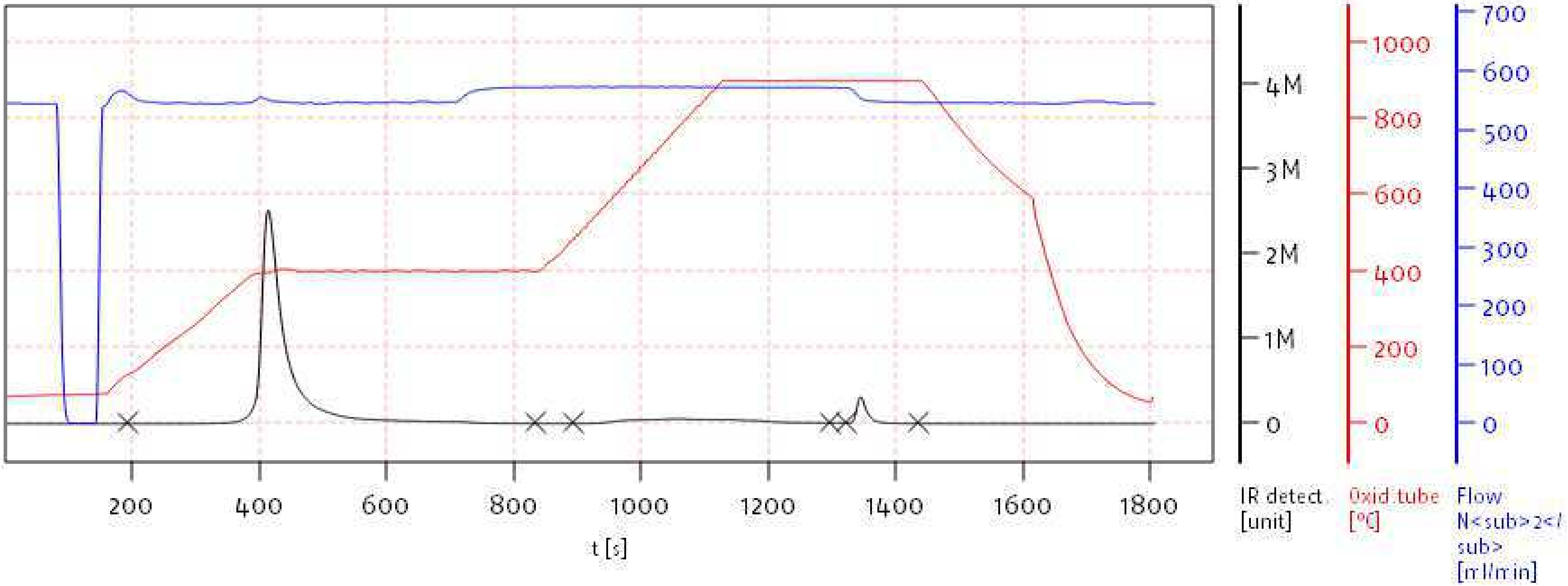
Soli TOC Cube, Carbon
Balance: BAL3
Analyst: DOE

	Pos.	Name	Weight [mg]	Memo	Method	Date Time	Info	TOC [%]	TOC400 Area	TC [%]	ROC [%]	ROC Area	TIC900 Area	TOC400 [%]	TIC900 [%]	TOC400 Factor	TIC900 Factor
169	80	BKL0652-MS1	511.60	0.0088	CARBON	1/1/2023 3:58 AM	bl	1.299	4 204 636	1.436	0.061	227 545	479 384	1.238	0.137	0.9791	1.0000



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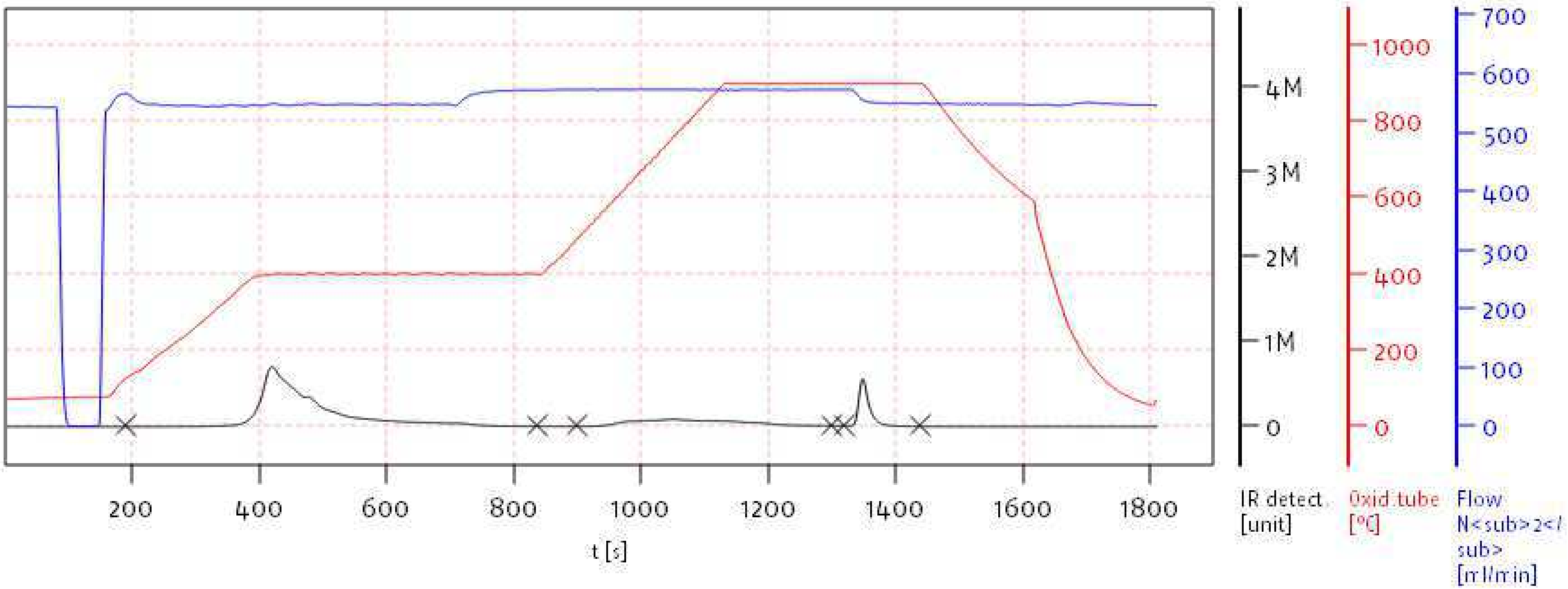
Serial No: 0300.181017
Mode CCC

Soli TOC Cube, Carbon
Balance: BAL3
Analyst: DOE

	Pos.	Name	Weight [mg]	Memo	Method	Date Time	Info	TOC [%]	TOC400 Area	TC [%]	ROC [%]	ROC Area	TIC900 Area	TOC400 [%]	TIC900 [%]	TOC400 Factor	TIC900 Factor
170	81	22L0329-42	639.30		CARBON	1/1/2023 4:28 AM	bl	0.697	2 572 338	0.852	0.093	410 589	668 854	0.604	0.156	0.9791	1.0000



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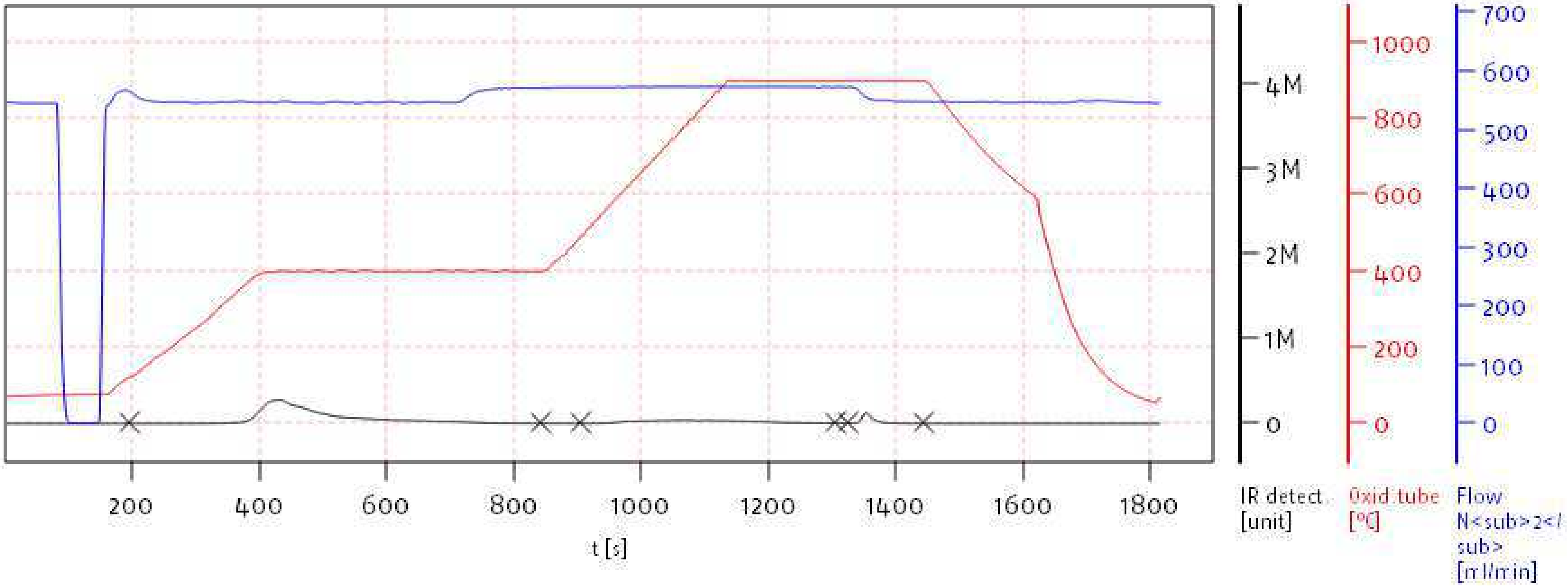
Date: Tue Jan 3 07:07:46 2023

soliTOC V2.0.2 (31015f9) 2018-11-19
Serial No: 0300.181017
Mode CCC

Document: 122822 DOE from: 1/3/2023 7:07 AM

Soli TOC Cube, Carbon
Balance: BAL3
Analyst: DOE

	Pos.	Name	Weight [mg]	Memo	Method	Date Time	Info	TOC [%]	TOC400 Area	TC [%]	ROC [%]	ROC Area	TIC900 Area	TOC400 [%]	TIC900 [%]	TOC400 Factor	TIC900 Factor
171	82	22L0329-43	504.10		CARBON	1/1/2023 4:59 AM	bl	0.408	1 306 683	0.503	0.023	101 968	335 027	0.385	0.095	0.9791	1.0000



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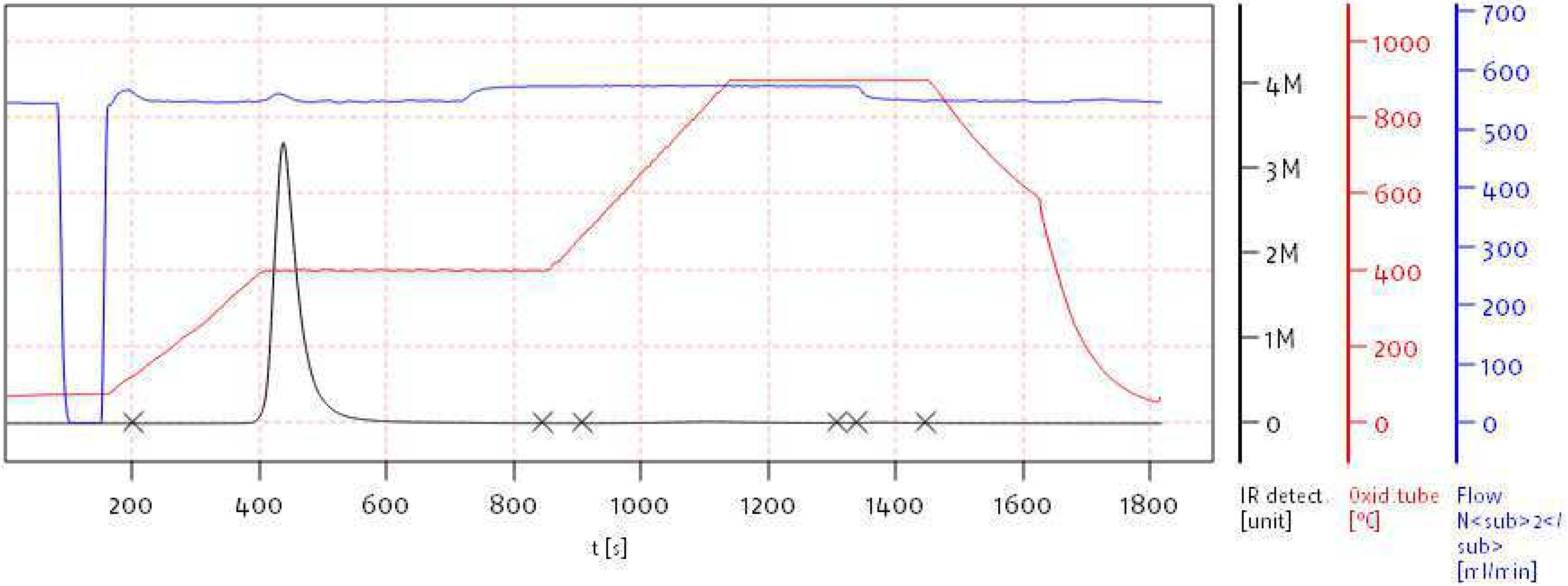
Soli TOC Cube, Carbon
Balance: BAL3
Analyst: DOE

	Pos.	Name	Weight [mg]	Memo	Method	Date Time	Info	TOC [%]	TOC400 Area	TC [%]	ROC [%]	ROC Area	TIC900 Area	TOC400 [%]	TIC900 [%]	TOC400 Factor	TIC900 Factor
172	83	SKL0336-CCVE	20.00		CARBON	1/1/2023 5:30 AM	bl	43.330	5 741 152	44.176	0.024	29 599	135 812	43.306	0.846	0.9791	1.0000



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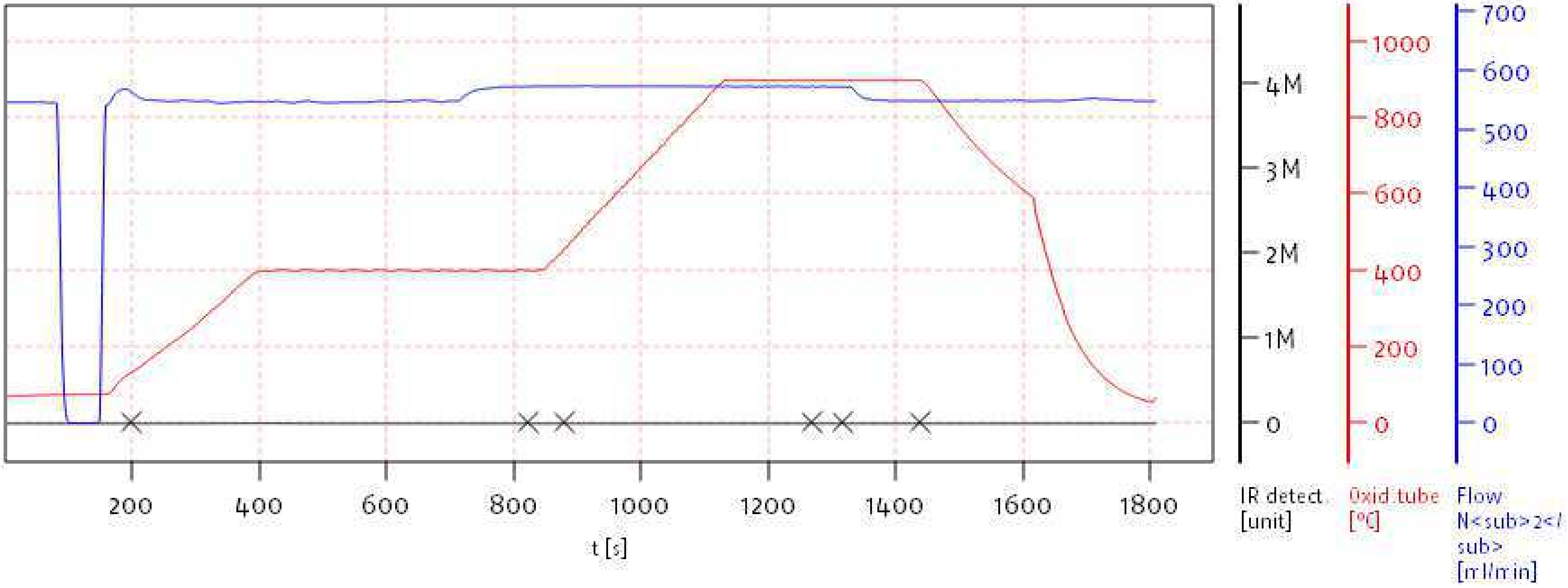
	Pos.	Name	Weight [mg]	Memo	Method	Date Time	Info	TOC [%]	TOC400 Area	TC [%]	ROC [%]	ROC Area	TIC900 Area	TOC400 [%]	TIC900 [%]	TOC400 Factor	TIC900 Factor
173	84	SKL0336-CCBE	526.20		CARBON	1/1/2023 6:00 AM	bl,C3u,C2u	0.000	12 891	0.000	0.000	829	2 244	0.000	0.000	0.9791	1.0000



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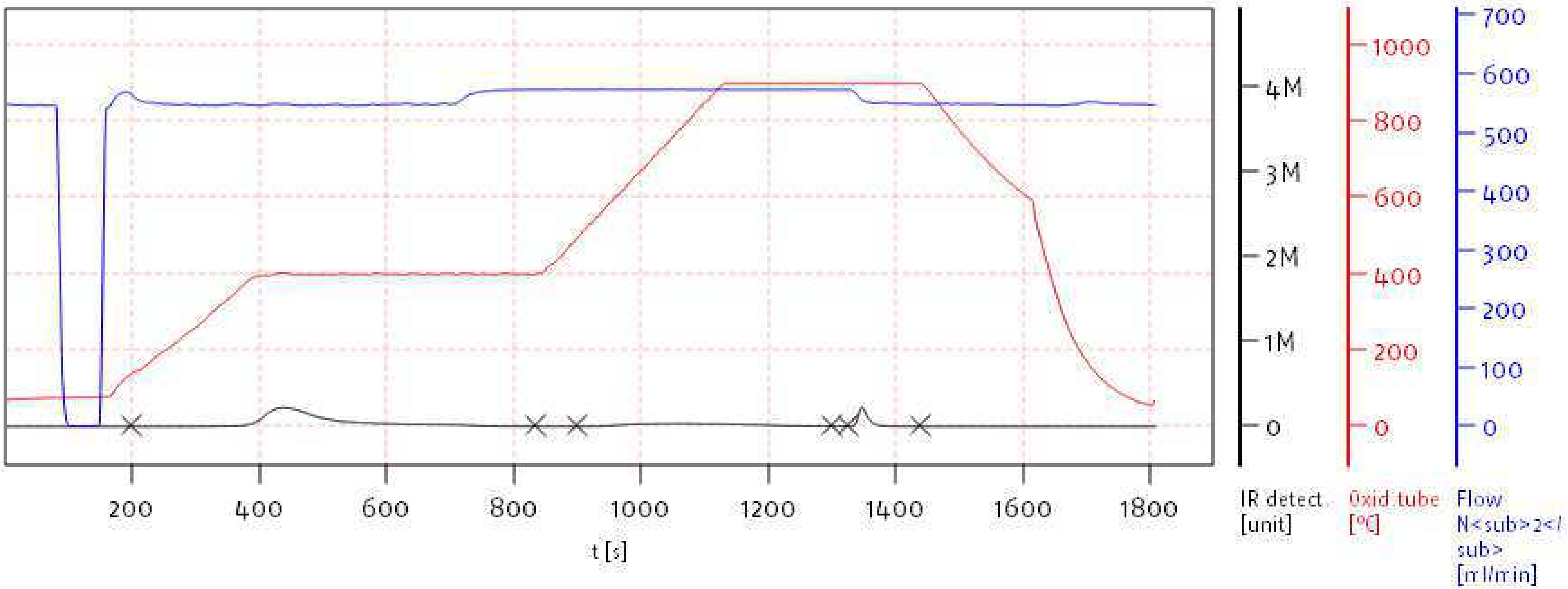
	Pos.	Name	Weight [mg]	Memo	Method	Date Time	Info	TOC [%]	TOC400 Area	TC [%]	ROC [%]	ROC Area	TIC900 Area	TOC400 [%]	TIC900 [%]	TOC400 Factor	TIC900 Factor
174	85	22L0329-44	538.20		CARBON	1/1/2023 6:31 AM	bl	0.322	1 039 842	0.400	0.037	155 299	295 151	0.285	0.077	0.9791	1.0000



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Balance: BAL3
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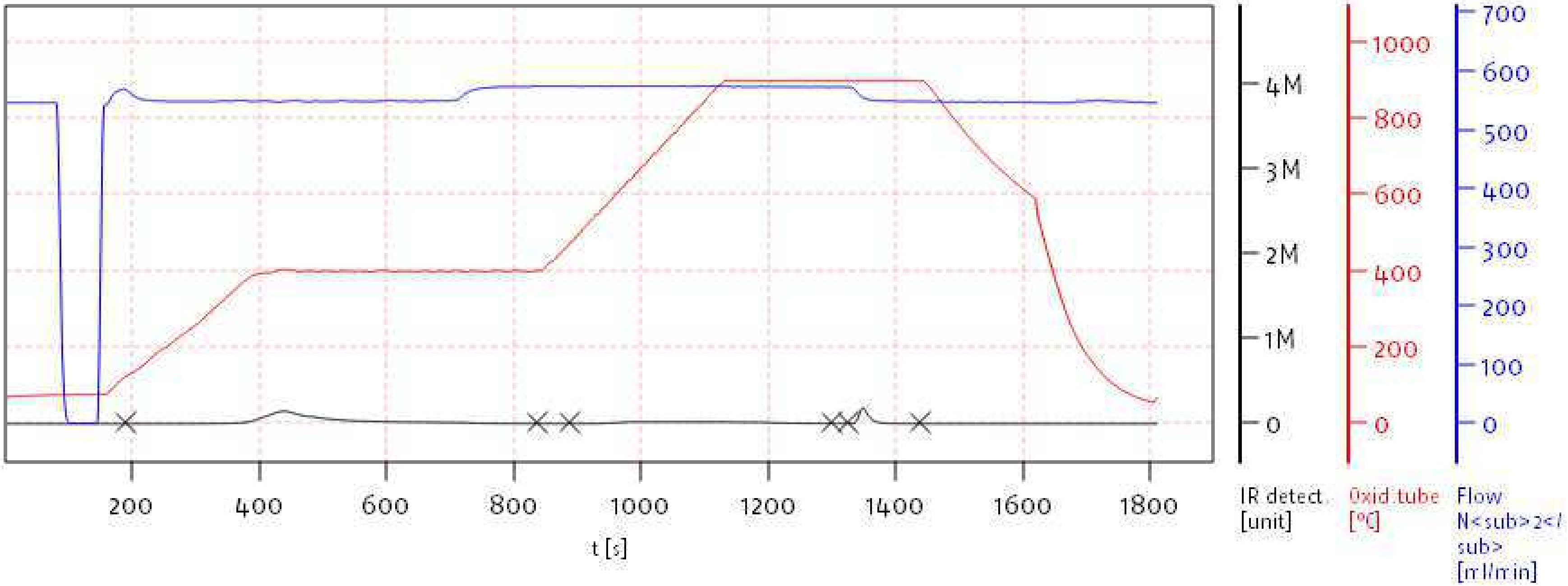
	Pos.	Name	Weight [mg]	Memo	Method	Date Time	Info	TOC [%]	TOC400 Area	TC [%]	ROC [%]	ROC Area	TIC900 Area	TOC400 [%]	TIC900 [%]	TOC400 Factor	TIC900 Factor
175	86	22L0329-45	538.70		CARBON	1/1/2023 7:01 AM	bl	0.211	671 810	0.262	0.030	130 131	203 608	0.182	0.051	0.9791	1.0000



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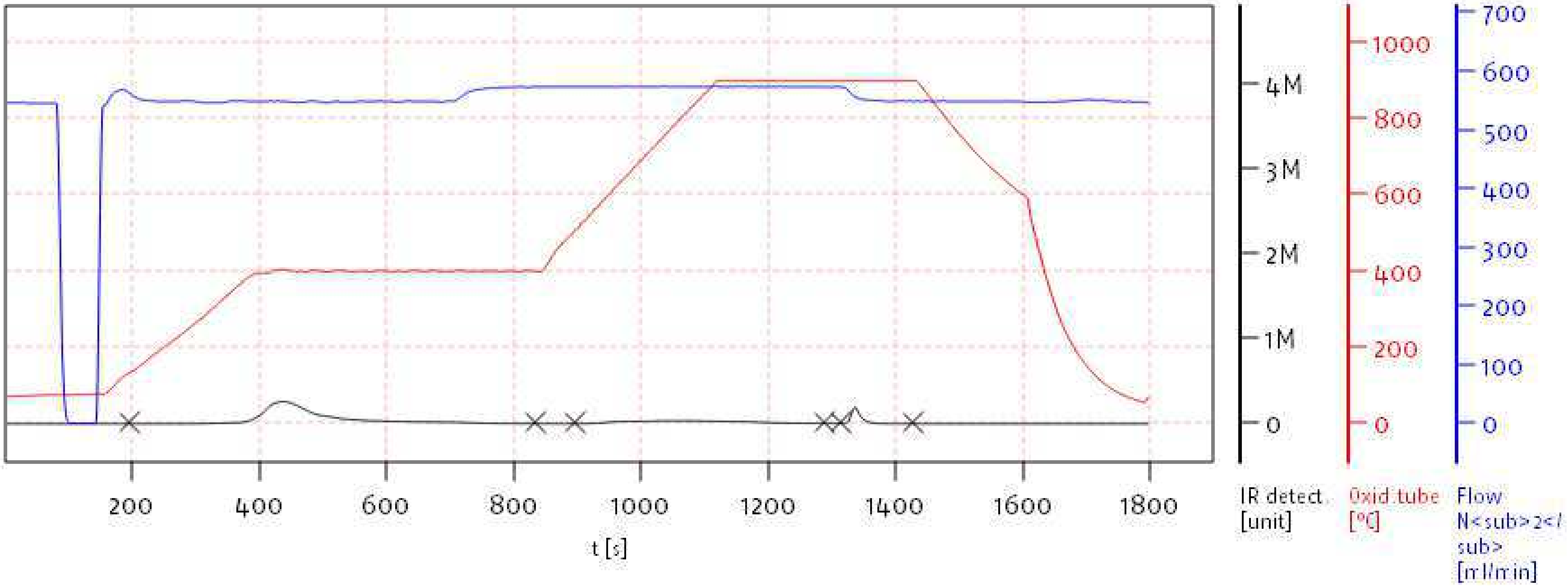
	Pos.	Name	Weight [mg]	Memo	Method	Date Time	Info	TOC [%]	TOC400 Area	TC [%]	ROC [%]	ROC Area	TIC900 Area	TOC400 [%]	TIC900 [%]	TOC400 Factor	TIC900 Factor
176	87	22L0329-46	523.20		CARBON	1/1/2023 7:32 AM	bl	0.337	1 086 433	0.416	0.030	127 029	292 928	0.307	0.079	0.9791	1.0000



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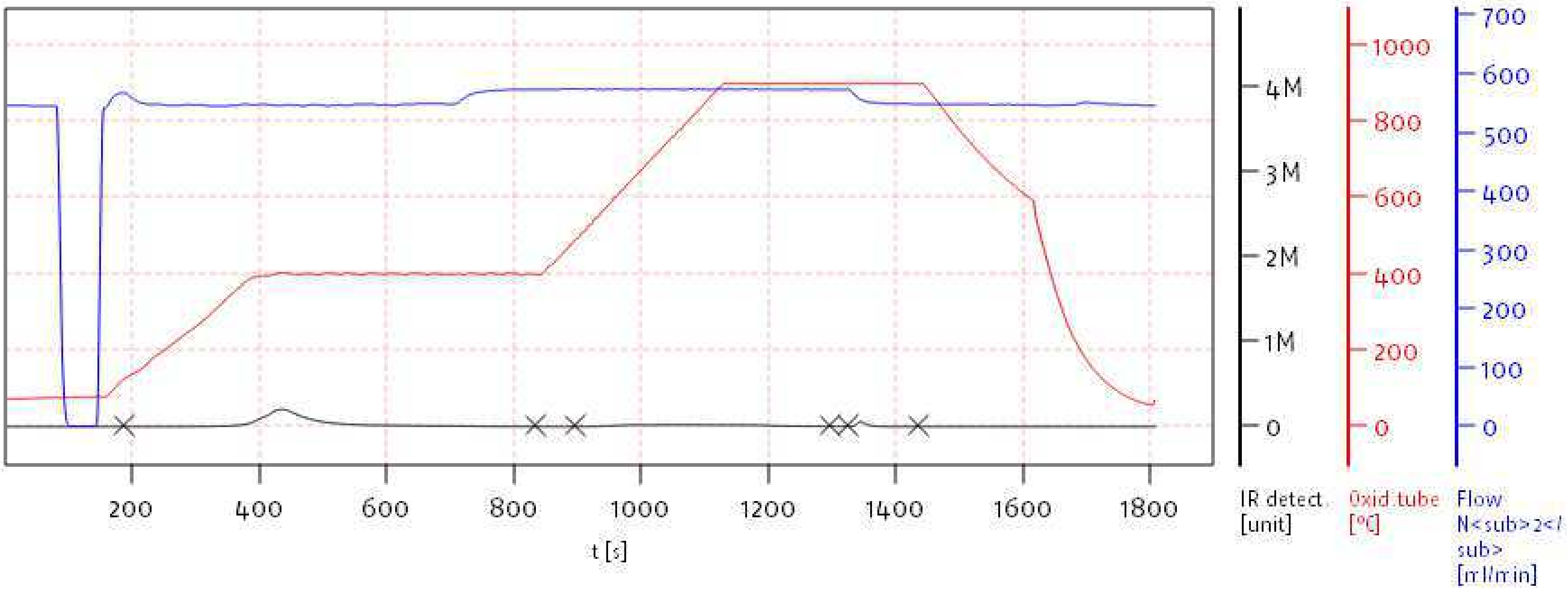
Analyst: DOE

	Pos.	Name	Weight [mg]	Memo	Method	Date Time	Info	TOC [%]	TOC400 Area	TC [%]	ROC [%]	ROC Area	TIC900 Area	TOC400 [%]	TIC900 [%]	TOC400 Factor	TIC900 Factor
177	88	22L0329-47	508.70		CARBON	1/1/2023 8:02 AM	bl	0.216	738 309	0.270	0.004	40 129	203 065	0.212	0.054	0.9791	1.0000



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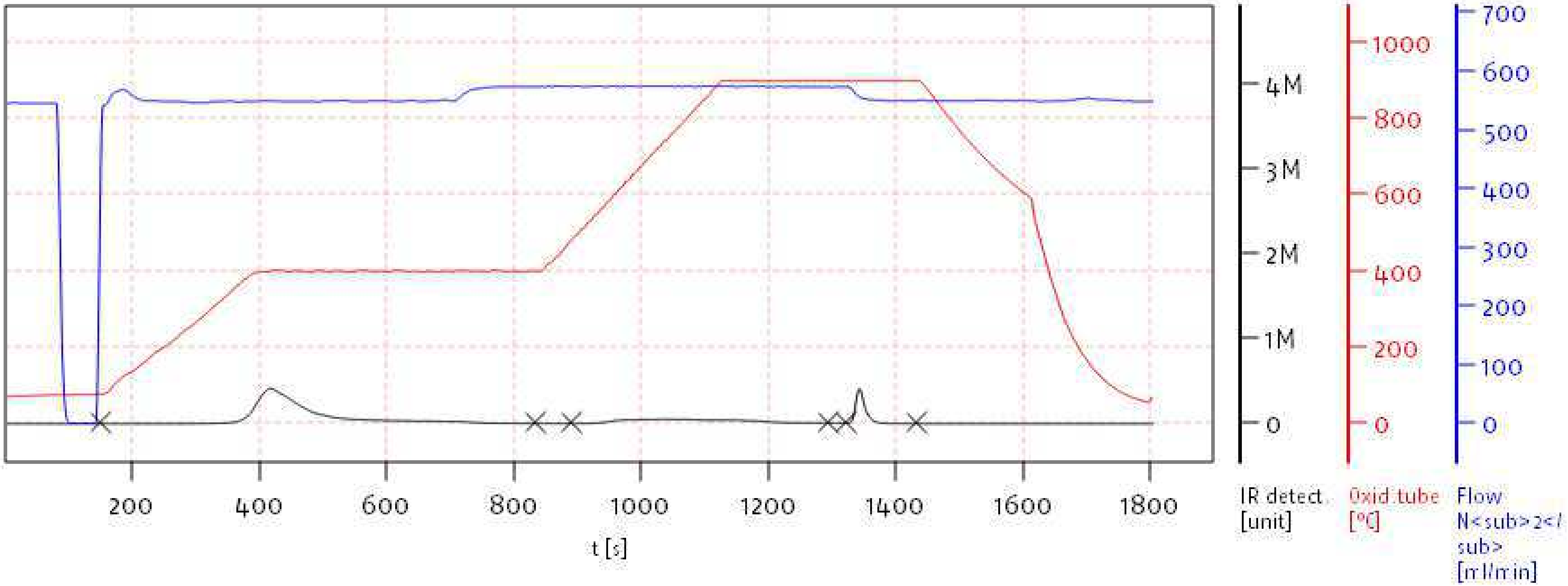
Analyst: DOE

	Pos.	Name	Weight [mg]	Memo	Method	Date Time	Info	TOC [%]	TOC400 Area	TC [%]	ROC [%]	ROC Area	TIC900 Area	TOC400 [%]	TIC900 [%]	TOC400 Factor	TIC900 Factor
178	89	22L0329-48	535.90		CARBON	1/1/2023 8:33 AM	bl	0.504	1 559 791	0.631	0.070	270 408	466 131	0.434	0.127	0.9791	1.0000



Name:

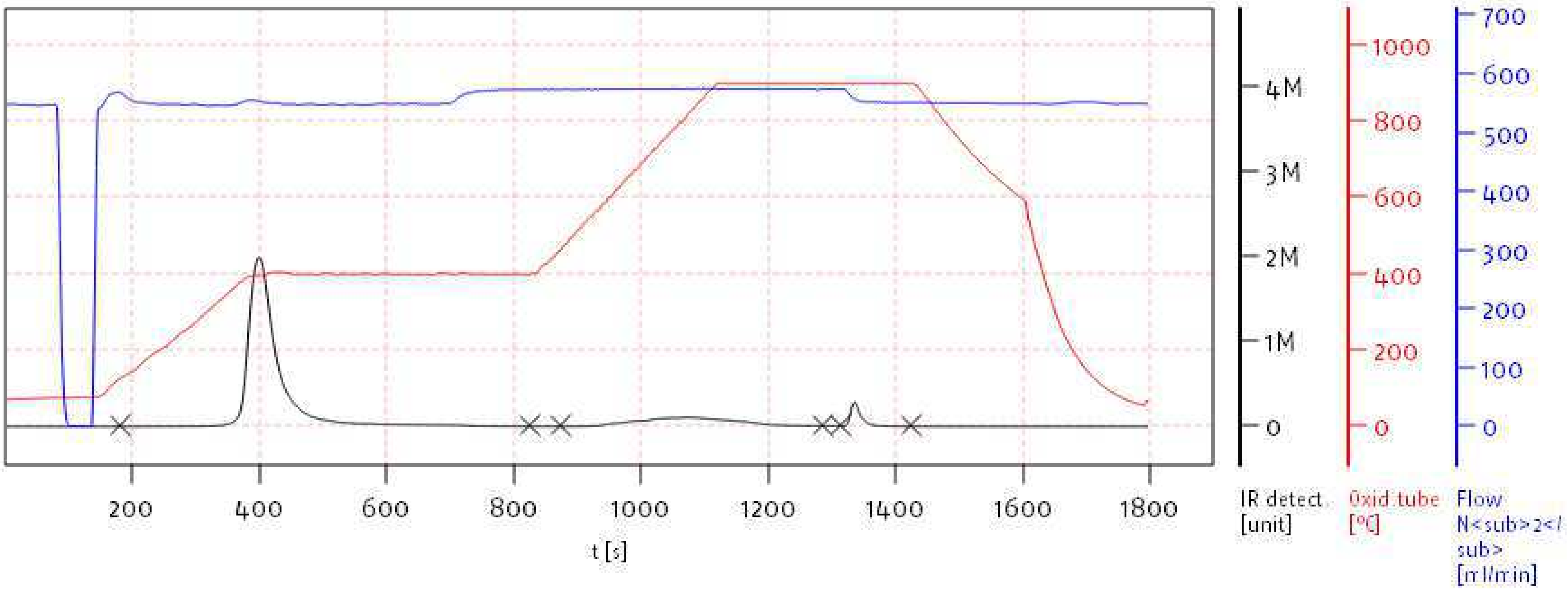
Access: soliTOC superuser

Date: Tue Jan 3 07:07:46 2023

soliTOC V2.0.2 (31015f9) 2018-11-19
Serial No: 0300.181017
Mode CCC

Soli TOC Cube, Carbon
Balance: BAL3
Analyst: DOE

	Pos.	Name	Weight [mg]	Memo	Method	Date Time	Info	TOC [%]	TOC400 Area	TC [%]	ROC [%]	ROC Area	TIC900 Area	TOC400 [%]	TIC900 [%]	TOC400 Factor	TIC900 Factor
179	1	22L0459-01	546.90		CARBON	1/1/2023 9:03 AM	bl	1.132	3 929 880	1.339	0.051	205 048	756 445	1.082	0.207	0.9791	1.0000



Name:

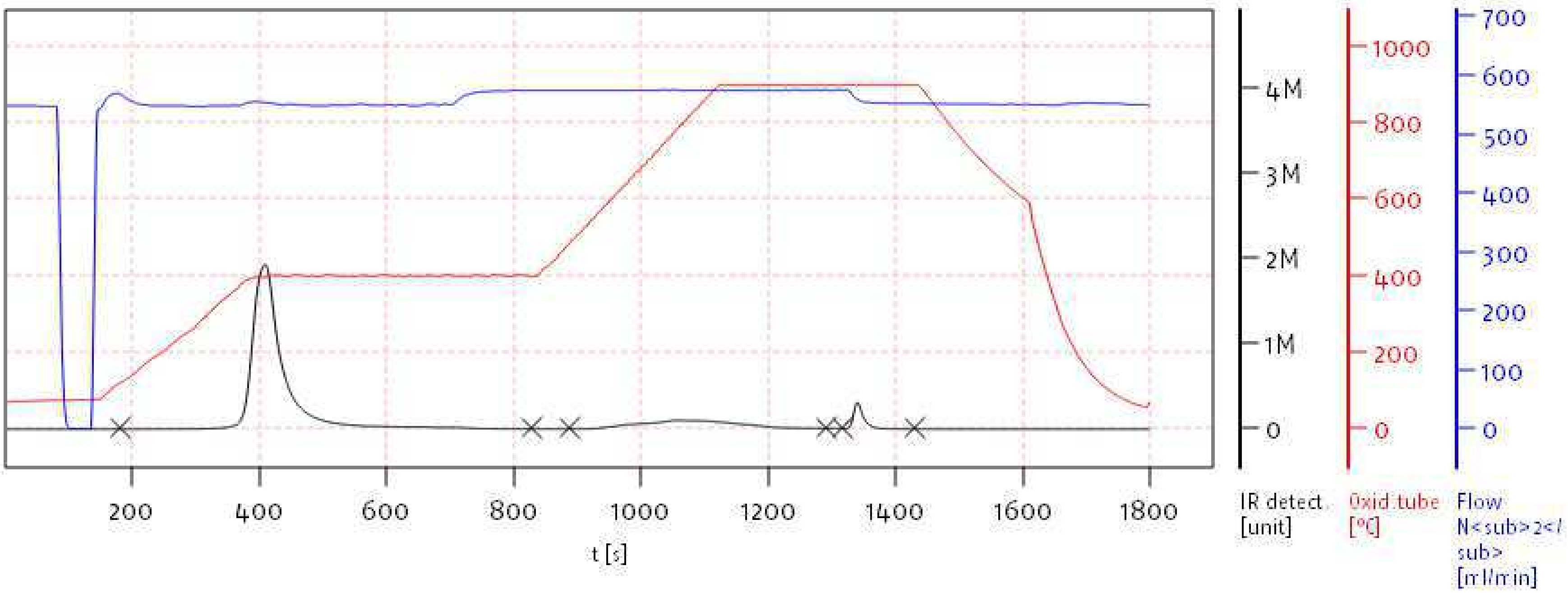
Access: soliTOC superuser

Date: Tue Jan 3 07:07:46 2023

soliTOC V2.0.2 (31015f9) 2018-11-19
Serial No: 0300.181017
Mode CCC

Soli TOC Cube, Carbon
Balance: BAL3
Analyst: DOE

	Pos.	Name	Weight [mg]	Memo	Method	Date Time	Info	TOC [%]	TOC400 Area	TC [%]	ROC [%]	ROC Area	TIC900 Area	TOC400 [%]	TIC900 [%]	TOC400 Factor	TIC900 Factor
180	2	BKL0652-DUP2	525.60		CARBON	1/1/2023 9:34 AM	bl	1.196	3 979 426	1.403	0.057	218 619	728 170	1.140	0.207	0.9791	1.0000



Name:

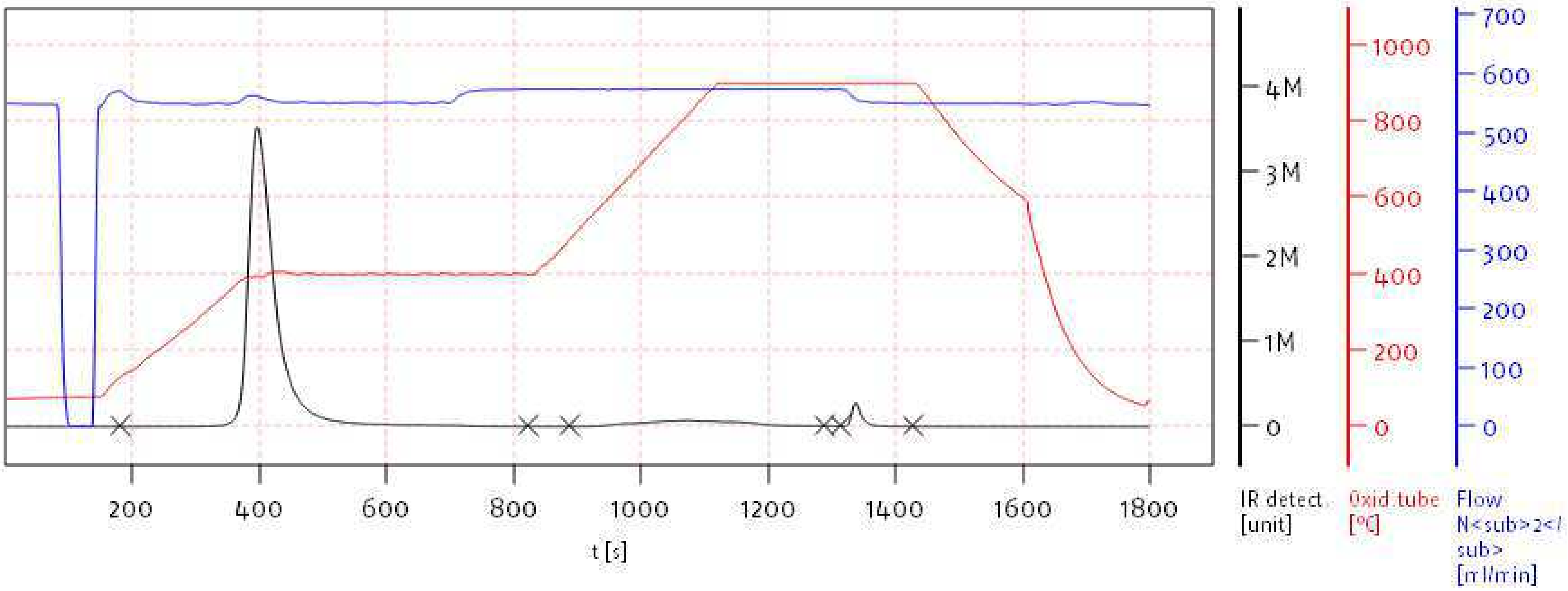
Access: soliTOC superuser

Date: Tue Jan 3 07:07:46 2023

soliTOC V2.0.2 (31015f9) 2018-11-19
Serial No: 0300.181017
Mode CCC

Soli TOC Cube, Carbon
Balance: BAL3
Analyst: DOE

	Pos.	Name	Weight [mg]	Memo	Method	Date Time	Info	TOC [%]	TOC400 Area	TC [%]	ROC [%]	ROC Area	TIC900 Area	TOC400 [%]	TIC900 [%]	TOC400 Factor	TIC900 Factor
181	3	BKL0652-MS2	503.70	0.0083	CARBON	1/1/2023 10:04 AM	bl	2.004	6 508 376	2.164	0.053	199 401	550 122	1.950	0.161	0.9791	1.0000



Name:

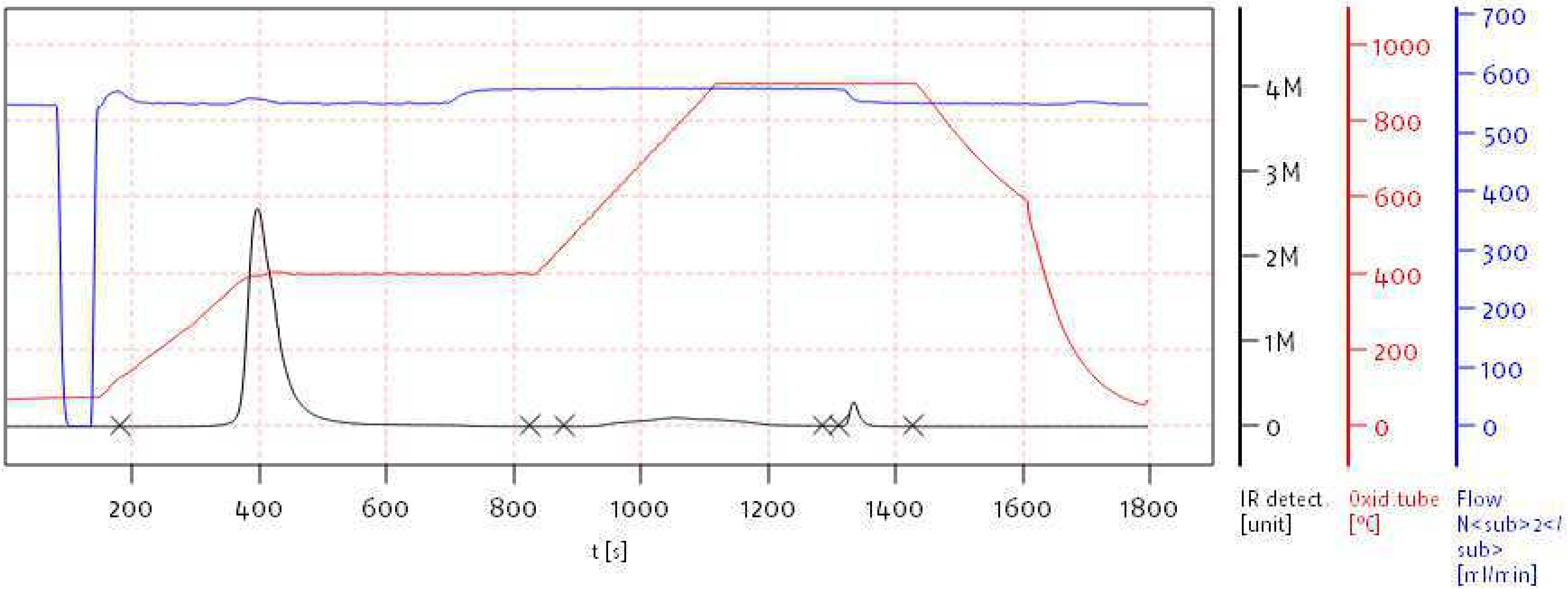
Access: soliTOC superuser

Date: Tue Jan 3 07:07:46 2023

soliTOC V2.0.2 (31015f9) 2018-11-19
Serial No: 0300.181017
Mode CCC

Soli TOC Cube, Carbon
Balance: BAL3
Analyst: DOE

	Pos.	Name	Weight [mg]	Memo	Method	Date Time	Info	TOC [%]	TOC400 Area	TC [%]	ROC [%]	ROC Area	TIC900 Area	TOC400 [%]	TIC900 [%]	TOC400 Factor	TIC900 Factor
182	4	22L0459-02	553.00		CARBON	1/1/2023 10:34 AM	bl	1.489	5 283 699	1.686	0.048	198 987	728 467	1.441	0.196	0.9791	1.0000



Name:

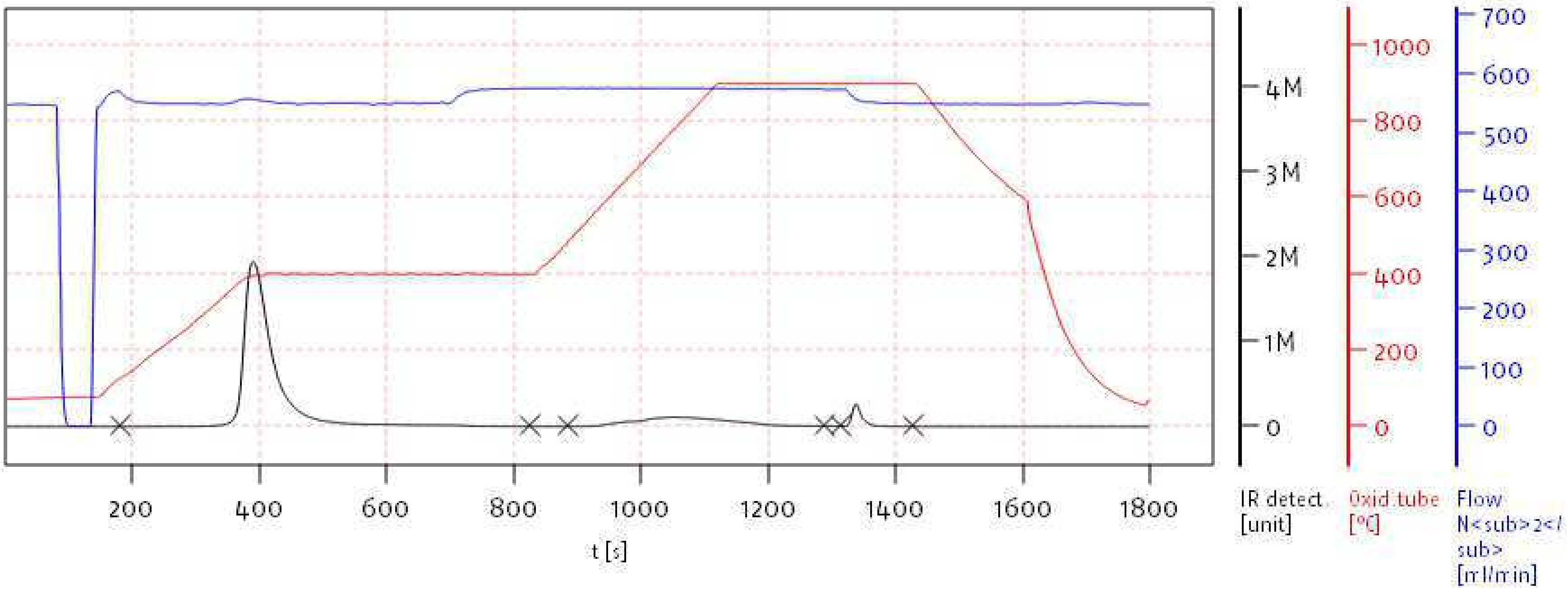
Access: soliTOC superuser

Date: Tue Jan 3 07:07:46 2023

soliTOC V2.0.2 (31015f9) 2018-11-19
Serial No: 0300.181017
Mode CCC

Soli TOC Cube, Carbon
Balance: BAL3
Analyst: DOE

	Pos.	Name	Weight [mg]	Memo	Method	Date Time	Info	TOC [%]	TOC400 Area	TC [%]	ROC [%]	ROC Area	TIC900 Area	TOC400 [%]	TIC900 [%]	TOC400 Factor	TIC900 Factor
183	5	22L0459-03	504.10		CARBON	1/1/2023 11:05 AM	bl	1.204	3 870 882	1.426	0.049	184 651	747 999	1.156	0.222	0.9791	1.0000



Name:

Access: soliTOC superuser

Date: Tue Jan 3 07:07:46 2023

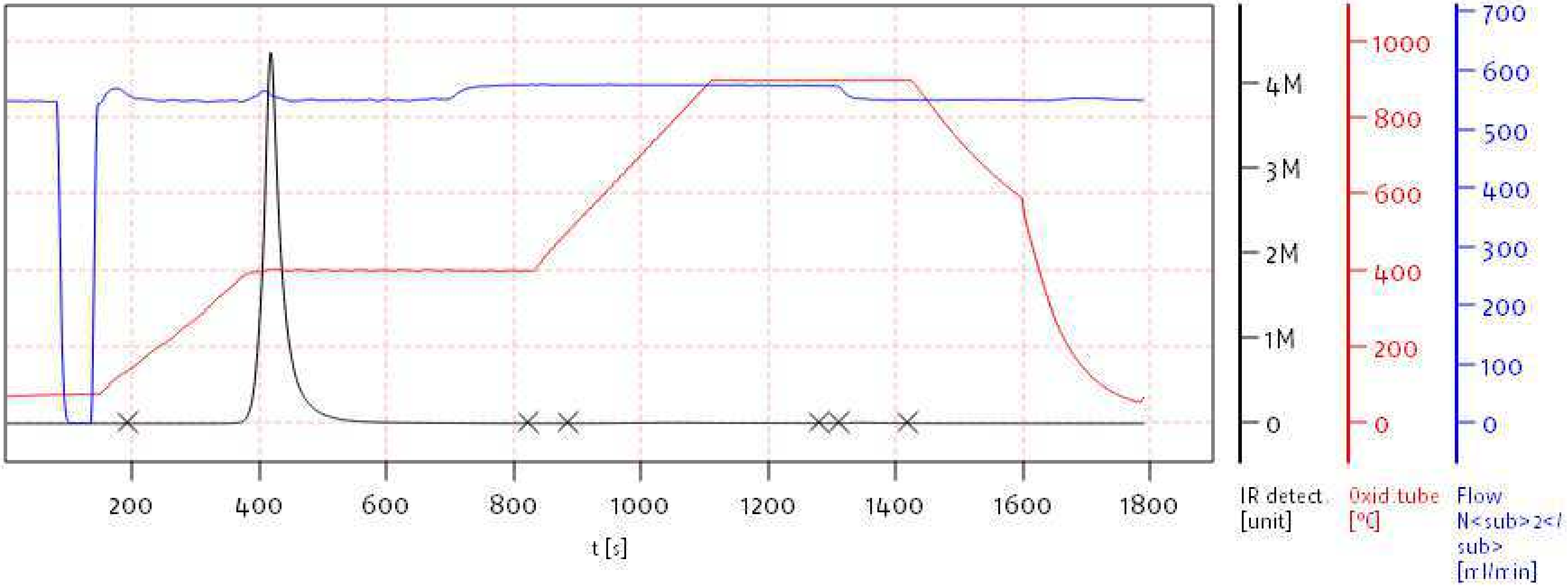
soliTOC V2.0.2 (31015f9) 2018-11-19
Serial No: 0300.181017
Mode CCC

Soli TOC Cube, Carbon

Balance: BAL3

Analyst: DOE

	Pos.	Name	Weight [mg]	Memo	Method	Date Time	Info	TOC [%]	TOC400 Area	TC [%]	ROC [%]	ROC Area	TIC900 Area	TOC400 [%]	TIC900 [%]	TOC400 Factor	TIC900 Factor
184	6	SKL0336-CCVF	19.70		CARBON	1/1/2023 11:35 AM	bl	43.919	5 734 995	44.345	0.000	24 057	80 776	43.919	0.426	0.9791	1.0000



Name:

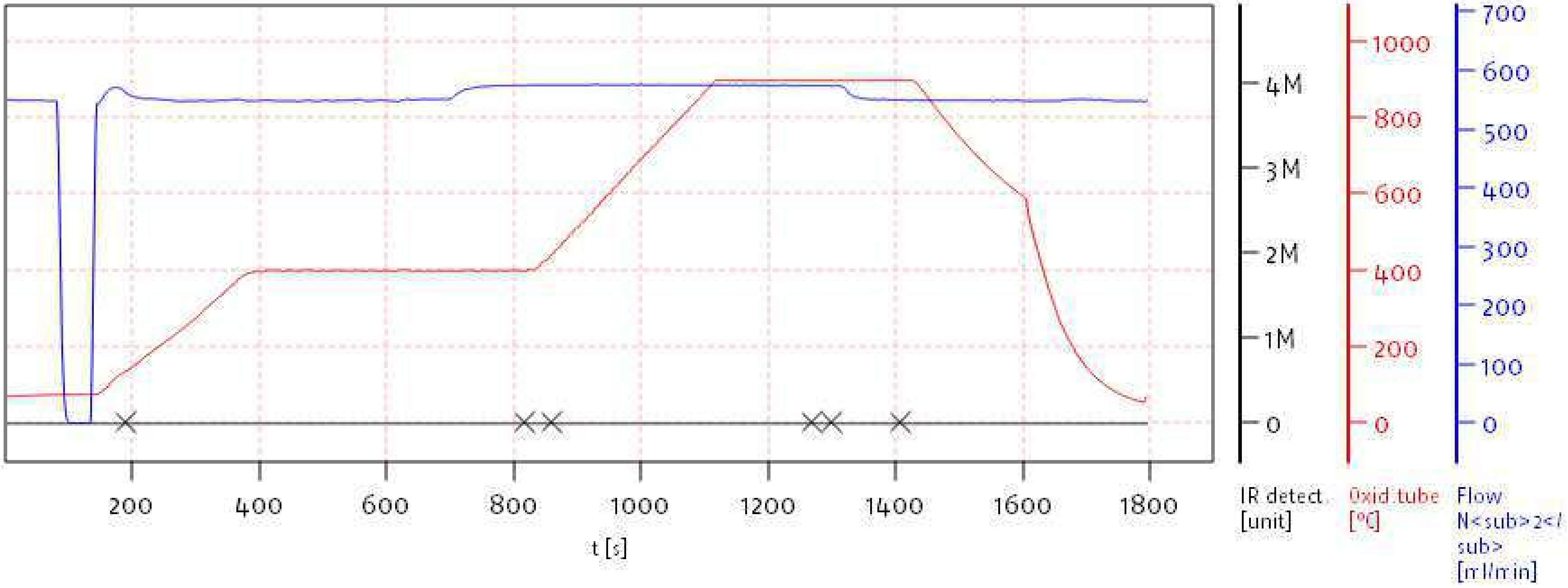
Access: soliTOC superuser

Date: Tue Jan 3 07:07:46 2023

soliTOC V2.0.2 (31015f9) 2018-11-19
Serial No: 0300.181017
Mode CCC

Soli TOC Cube, Carbon
Balance: BAL3
Analyst: DOE

	Pos.	Name	Weight [mg]	Memo	Method	Date Time	Info	TOC [%]	TOC400 Area	TC [%]	ROC [%]	ROC Area	TIC900 Area	TOC400 [%]	TIC900 [%]	TOC400 Factor	TIC900 Factor
185	7	SKL0336-CCBF	503.50		CARBON	1/1/2023 12:05 PM	bl,C2u	0.000	3 712	0.000	0.000	947	3 000	0.000	0.000	0.9791	1.0000



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Access: soliTOC superuser

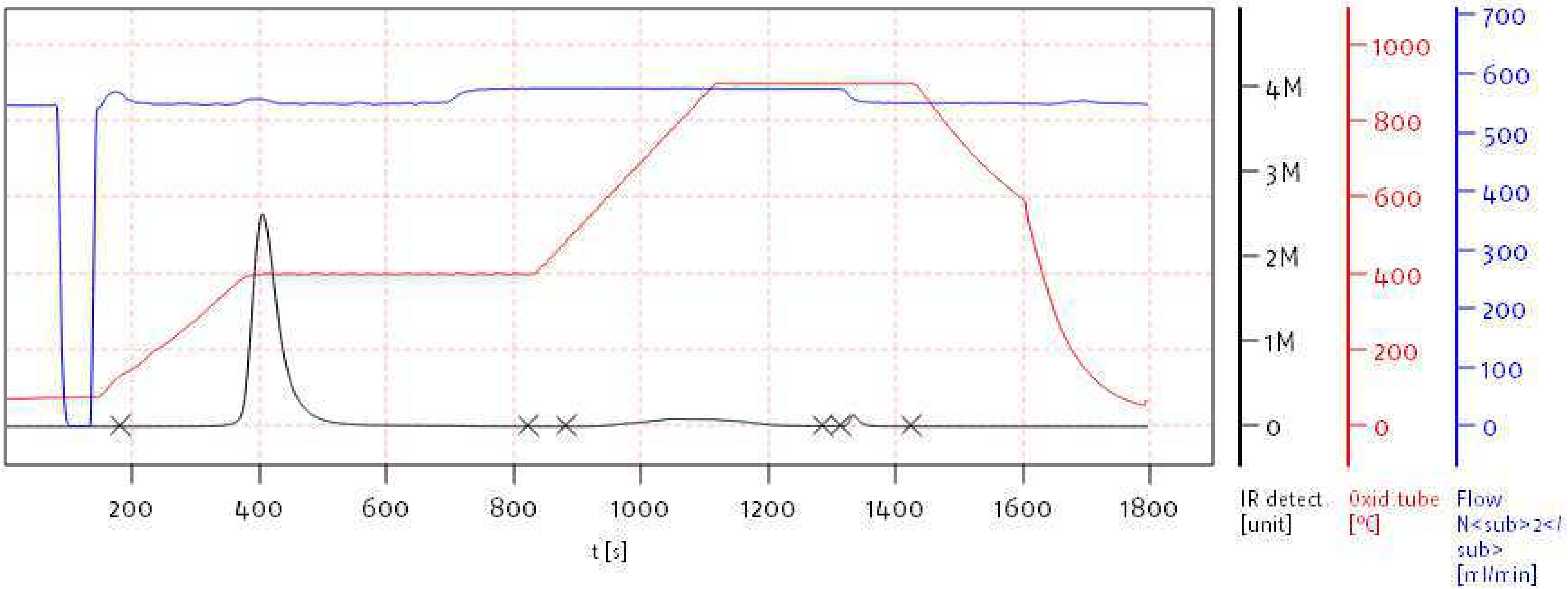
Date: Tue Jan 3 07:07:46 2023

soliTOC V2.0.2 (31015f9) 2018-11-19
Serial No: 0300.181017
Mode CCC

Document: 122822 DOE from: 1/3/2023 7:07 AM

Soli TOC Cube, Carbon
Balance: BAL3
Analyst: DOE

	Pos.	Name	Weight [mg]	Memo	Method	Date Time	Info	TOC [%]	TOC400 Area	TC [%]	ROC [%]	ROC Area	TIC900 Area	TOC400 [%]	TIC900 [%]	TOC400 Factor	TIC900 Factor
186	8	22L0459-04	585.50		CARBON	1/1/2023 12:36 PM	bl	1.262	4 828 602	1.424	0.019	97 318	641 567	1.243	0.163	0.9791	1.0000



Name:

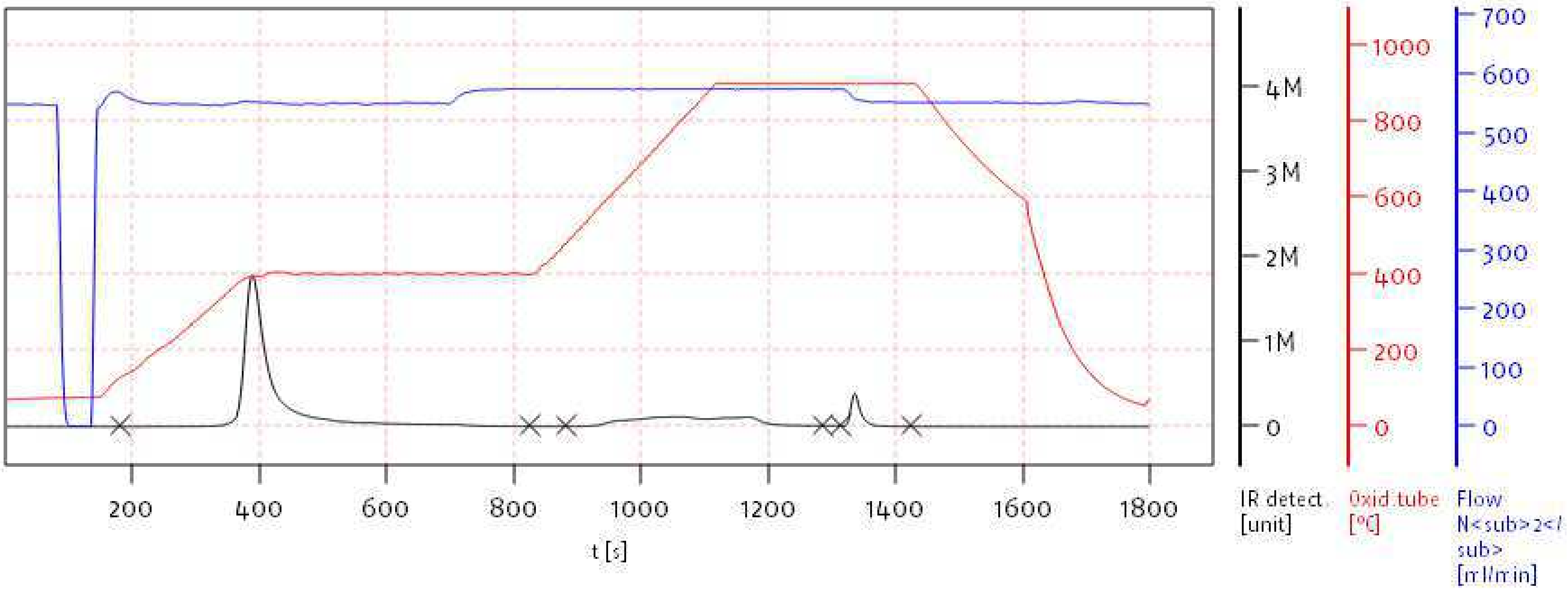
Access: soliTOC superuser

Date: Tue Jan 3 07:07:46 2023

soliTOC V2.0.2 (31015f9) 2018-11-19
Serial No: 0300.181017
Mode CCC

Soli TOC Cube, Carbon
Balance: BAL3
Analyst: DOE

	Pos.	Name	Weight [mg]	Memo	Method	Date Time	Info	TOC [%]	TOC400 Area	TC [%]	ROC [%]	ROC Area	TIC900 Area	TOC400 [%]	TIC900 [%]	TOC400 Factor	TIC900 Factor
187	9	22L0459-05	518.10		CARBON	1/1/2023 1:06 PM	bl	1.002	3 206 499	1.285	0.072	267 557	971 388	0.930	0.282	0.9791	1.0000



Name:

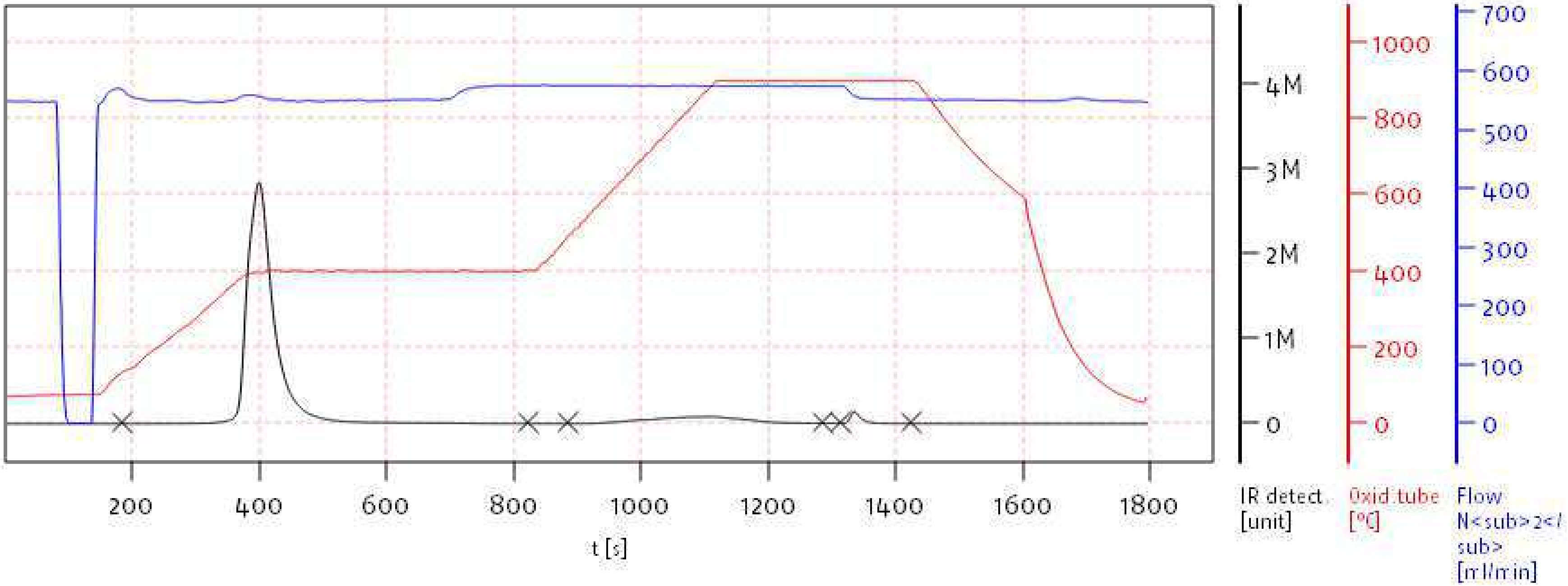
Access: soliTOC superuser

Date: Tue Jan 3 07:07:46 2023

soliTOC V2.0.2 (31015f9) 2018-11-19
Serial No: 0300.181017
Mode CCC

Soli TOC Cube, Carbon
Balance: BAL3
Analyst: DOE

	Pos.	Name	Weight [mg]	Memo	Method	Date Time	Info	TOC [%]	TOC400 Area	TC [%]	ROC [%]	ROC Area	TIC900 Area	TOC400 [%]	TIC900 [%]	TOC400 Factor	TIC900 Factor
188	10	22L0459-06	541.60		CARBON	1/1/2023 1:36 PM	bl	1.470	5 195 518	1.622	0.023	107 213	559 662	1.447	0.152	0.9791	1.0000



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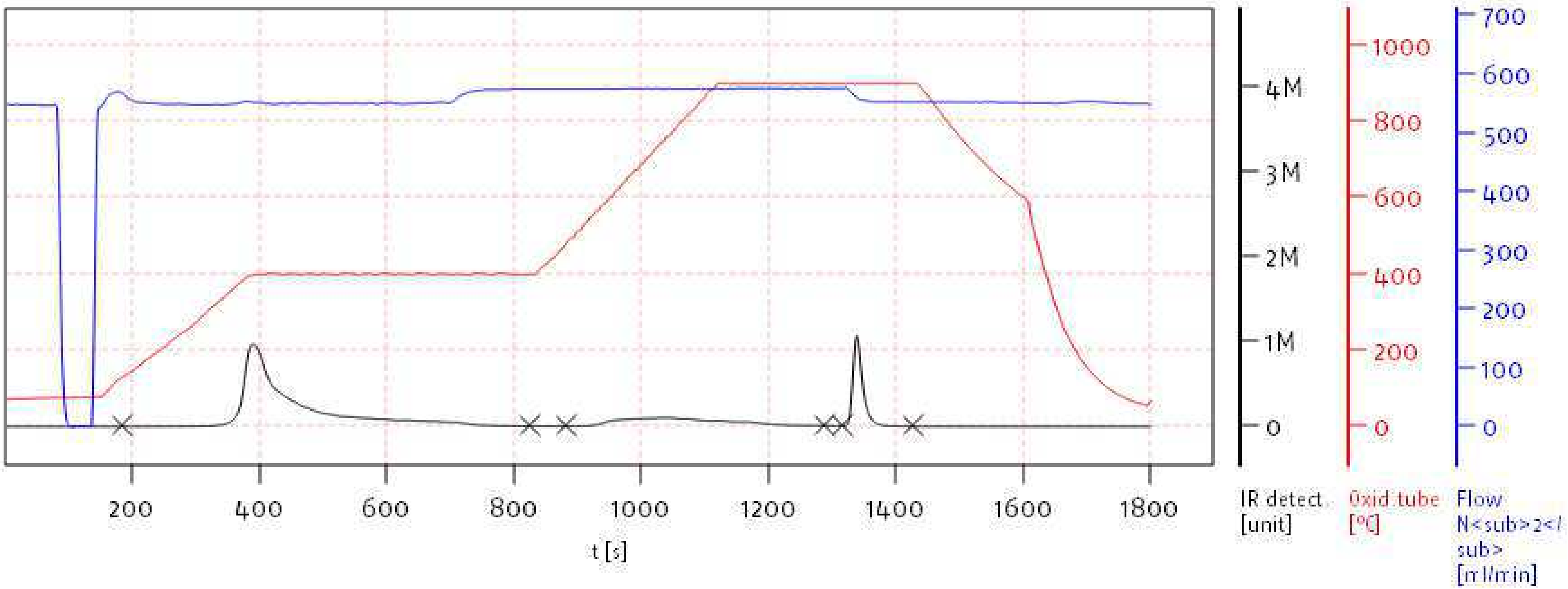
Access: soliTOC superuser

Date: Tue Jan 3 07:07:46 2023

soliTOC V2.0.2 (31015f9) 2018-11-19
Serial No: 0300.181017
Mode CCC

Soli TOC Cube, Carbon
Balance: BAL3
Analyst: DOE

	Pos.	Name	Weight [mg]	Memo	Method	Date Time	Info	TOC [%]	TOC400 Area	TC [%]	ROC [%]	ROC Area	TIC900 Area	TOC400 [%]	TIC900 [%]	TOC400 Factor	TIC900 Factor
189	11	22L0459-07	530.60		CARBON	1/1/2023 2:07 PM	bl	1.082	3 098 637	1.313	0.204	727 192	819 749	0.878	0.231	0.9791	1.0000



Name:

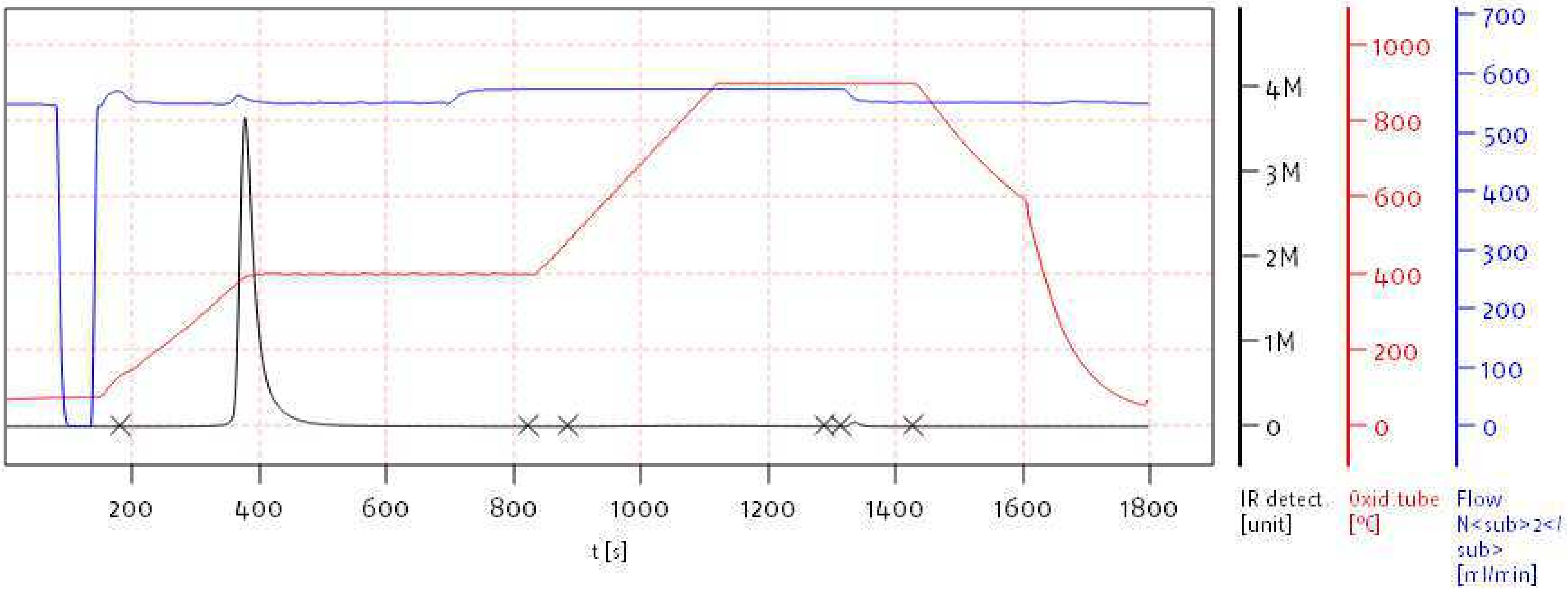
Access: soliTOC superuser

Date: Tue Jan 3 07:07:46 2023

soliTOC V2.0.2 (31015f9) 2018-11-19
Serial No: 0300.181017
Mode CCC

Soli TOC Cube, Carbon
Balance: BAL3
Analyst: DOE

	Pos.	Name	Weight [mg]	Memo	Method	Date Time	Info	TOC [%]	TOC400 Area	TC [%]	ROC [%]	ROC Area	TIC900 Area	TOC400 [%]	TIC900 [%]	TOC400 Factor	TIC900 Factor
190	12	BKL0502-MS2	95.30	0.0093	CARBON	1/1/2023 2:37 PM	bl	6.642	4 192 295	6.731	0.017	37 127	81 180	6.625	0.089	0.9791	1.0000



Name:

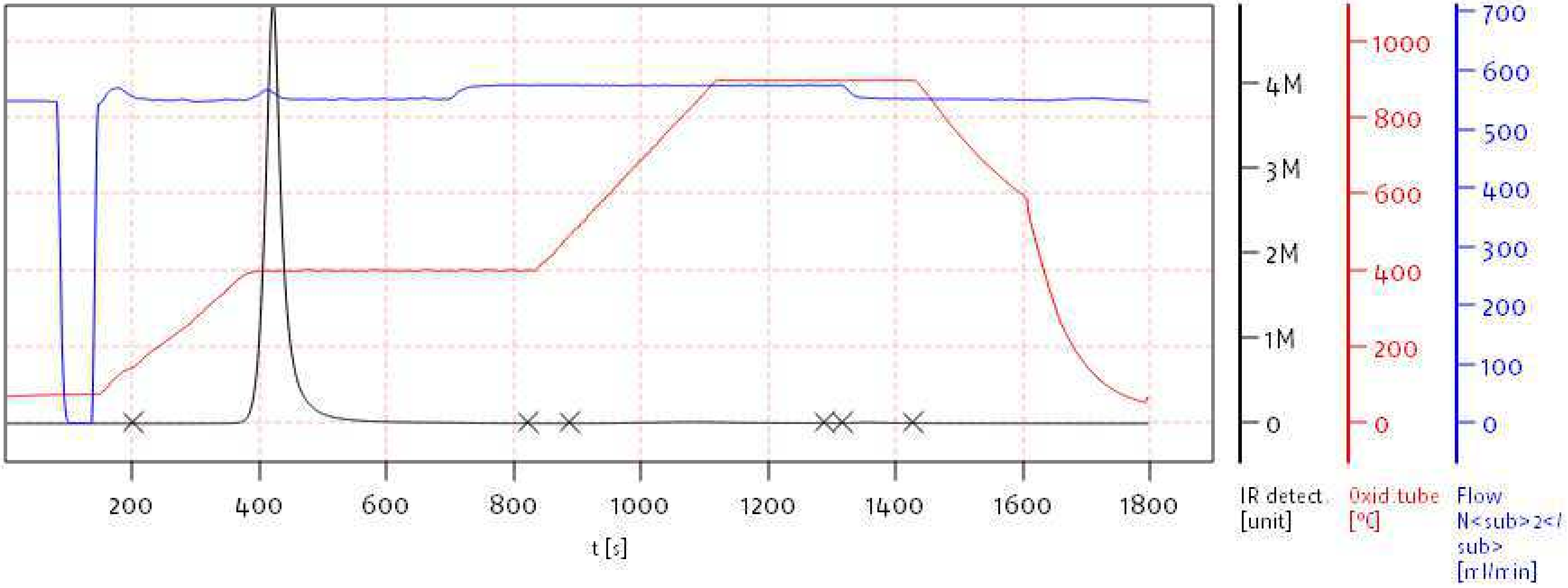
Access: soliTOC superuser

Date: Tue Jan 3 07:07:46 2023

soliTOC V2.0.2 (31015f9) 2018-11-19
Serial No: 0300.181017
Mode CCC

Soli TOC Cube, Carbon
Balance: BAL3
Analyst: DOE

	Pos.	Name	Weight [mg]	Memo	Method	Date Time	Info	TOC [%]	TOC400 Area	TC [%]	ROC [%]	ROC Area	TIC900 Area	TOC400 [%]	TIC900 [%]	TOC400 Factor	TIC900 Factor
191	13	SKL0336-CCVG	22.00		CARBON	1/1/2023 3:07 PM	bl	44.105	6 421 622	44.872	0.047	33 273	135 625	44.057	0.768	0.9791	1.0000



Name:

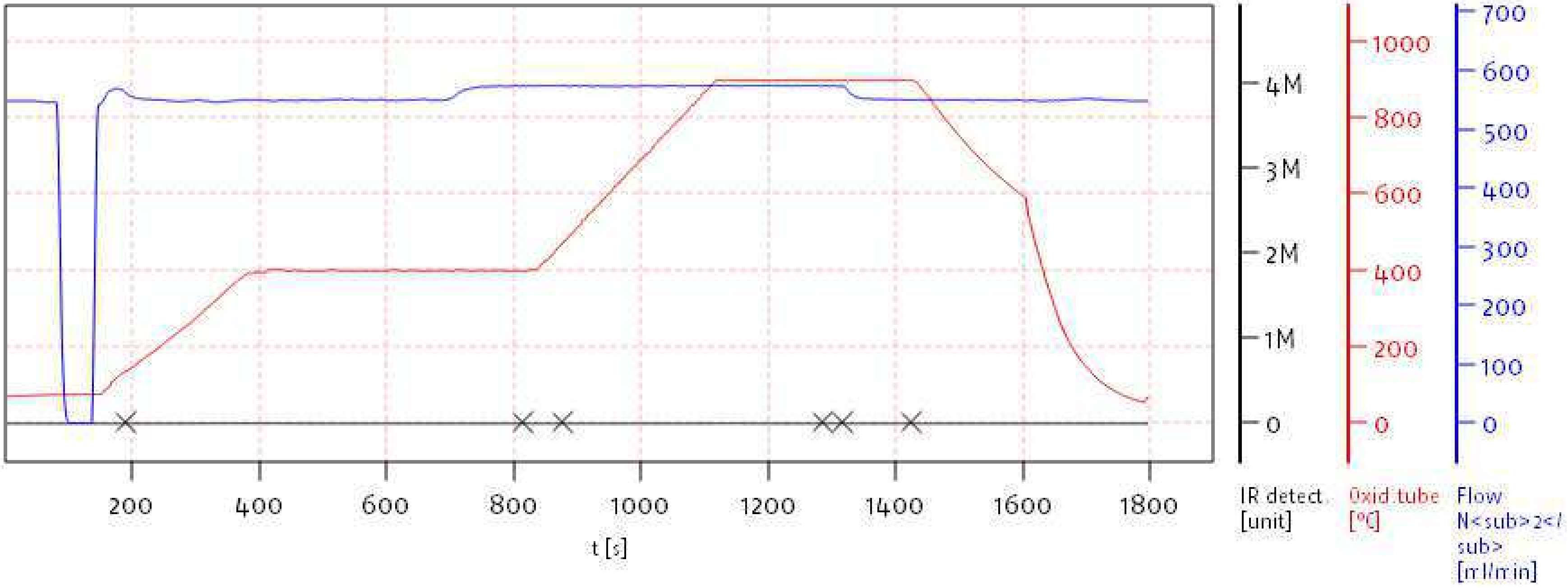
Access: soliTOC superuser

Date: Tue Jan 3 07:07:46 2023

soliTOC V2.0.2 (31015f9) 2018-11-19
Serial No: 0300.181017
Mode CCC

Soli TOC Cube, Carbon
Balance: BAL3
Analyst: DOE

	Pos.	Name	Weight [mg]	Memo	Method	Date Time	Info	TOC [%]	TOC400 Area	TC [%]	ROC [%]	ROC Area	TIC900 Area	TOC400 [%]	TIC900 [%]	TOC400 Factor	TIC900 Factor
192	14	SKL0336-CCBG	510.60		CARBON	1/1/2023 3:38 PM	bl,C2u	0.000	10 989	0.000	0.000	846	4 670	0.000	0.000	0.9791	1.0000



Name:

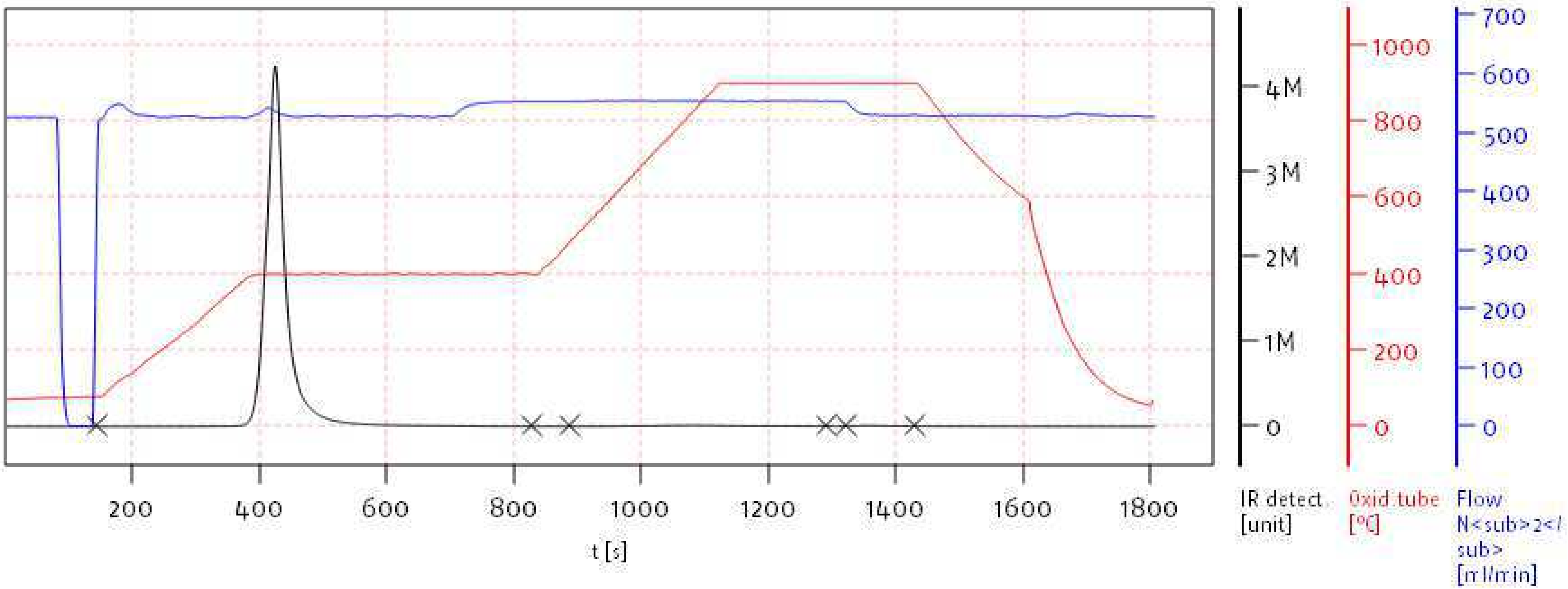
Access: soliTOC superuser

Date: Tue Jan 3 07:07:46 2023

soliTOC V2.0.2 (31015f9) 2018-11-19
Serial No: 0300.181017
Mode CCC

Soli TOC Cube, Carbon
Balance: BAL3
Analyst: DOE

	Pos.	Name	Weight [mg]	Memo	Method	Date Time	Info	TOC [%]	TOC400 Area	TC [%]	ROC [%]	ROC Area	TIC900 Area	TOC400 [%]	TIC900 [%]	TOC400 Factor	TIC900 Factor
95	6	BKL0650-BS1	19.10		CARBON		bl	45.077	5 715 005	45.698	0.014	28 228	103 151	45.063	0.621	0.9774	1.0000



Name:

Access: soliTOC superuser

Date: Tue Jan 3 07:16:46 2023

soliTOC V2.0.2 (31015f9) 2018-11-19
Serial No: 0300.181017
Mode CCC

Document: 122822 DOE from: --.--.-- (modified)

INITIAL CALIBRATION DATA

EPA 9060A m

Laboratory:	Analytical Resources, LLC	SDG:	22L0307
Client:	Anchor QEA, LLC	Project:	AOC4 UR Phase 3
Calibration:	FD00070	Instrument:	TOC Cube
Calibration Date:	04/26/2022 11:29		

Compound	Level 01		Level 02		Level 03		Level 04		Level 05		Level 06	
	Conc	RF	Conc	RF	Conc	RF	Conc	RF	Conc	RF	Conc	RF
Total Organic Carbon	0.0080973	1449743	0.014695	1300238	0.021293	1292913	0.02939	1293535	0.044385	2094063	0.05878	1400085
Total Carbon	0.0080973	1449743	0.014695	1300238	0.021293	1292913	0.02939	1293535	0.044385	2094063	0.05878	1400085
Total Inorganic Carbon	0.0080973	1449743	0.014695	1300238	0.021293	1292913	0.02939	1293535	0.044385	2094063	0.05878	1400085
% Soot	0.0080973	1449743	0.014695	1300238	0.021293	1292913	0.02939	1293535	0.044385	2094063	0.05878	1400085

INITIAL CALIBRATION DATA

EPA 9060A m

Laboratory:	Analytical Resources, LLC	SDG:	22L0307
Client:	Anchor QEA, LLC	Project:	AOC4 UR Phase 3
Calibration:	FD00070	Instrument:	TOC Cube
Calibration Date:	04/26/2022 11:29		

Compound	Level 07		Level 08		Level 09		Level 10		Level 11		Level 12	
	Conc	RF	Conc	RF	Conc	RF	Conc	RF	Conc	RF	Conc	RF
Total Organic Carbon	0.074075	1370638	0.08937	1351930	0.12056	2158544	0.14995	1559046	0.24	1346463	0.288	1430135
Total Carbon	0.074075	1370638	0.08937	1351930	0.12056	2158544	0.14995	1559046	0.24	1346463	0.288	1430135
Total Inorganic Carbon	0.074075	1370638	0.08937	1351930	0.12056	2158544	0.14995	1559046	0.24	1346463	0.288	1430135
% Soot	0.074075	1370638	0.08937	1351930	0.12056	2158544	0.14995	1559046	0.24	1346463	0.288	1430135

INITIAL CALIBRATION DATA

EPA 9060A m

Laboratory:	Analytical Resources, LLC	SDG:	22L0307
Client:	Anchor QEA, LLC	Project:	AOC4 UR Phase 3
Calibration:	FD00070	Instrument:	TOC Cube
Calibration Date:	04/26/2022 11:29		

Compound	Level 13		Level 14		Level 15		Level 16		Level 17		Level 18	
	Conc	RF	Conc	RF	Conc	RF	Conc	RF	Conc	RF	Conc	RF
Total Organic Carbon	0.414	1337053	0.606	1385937	0.894	1382774	1.188	1379790	1.5	1375927	1.818	1372882
Total Carbon	0.414	1337053	0.606	1385937	0.894	1382774	1.188	1379790	1.5	1375927	1.818	1372882
Total Inorganic Carbon	0.414	1337053	0.606	1385937	0.894	1382774	1.188	1379790	1.5	1375927	1.818	1372882
% Soot	0.414	1337053	0.606	1385937	0.894	1382774	1.188	1379790	1.5	1375927	1.818	1372882

INITIAL CALIBRATION DATA

EPA 9060A m

Laboratory:	Analytical Resources, LLC	SDG:	22L0307
Client:	Anchor QEA, LLC	Project:	AOC4 UR Phase 3
Calibration:	FD00070	Instrument:	TOC Cube
Calibration Date:	04/26/2022 11:29		

Compound	Level 19		Level 20		Level 21		Level 22		Level 23		Level 24	
	Conc	RF	Conc	RF	Conc	RF	Conc	RF	Conc	RF	Conc	RF
Total Organic Carbon	2.49	1398606	2.982	1376871	4.188	1256057	4.818	1279542	5.406	1283358	7.2	1301408
Total Carbon	2.49	1398606	2.982	1376871	4.188	1256057	4.818	1279542	5.406	1283358	7.2	1301408
Total Inorganic Carbon	2.49	1398606	2.982	1376871	4.188	1256057	4.818	1279542	5.406	1283358	7.2	1301408
% Soot	2.49	1398606	2.982	1376871	4.188	1256057	4.818	1279542	5.406	1283358	7.2	1301408

INITIAL CALIBRATION DATA

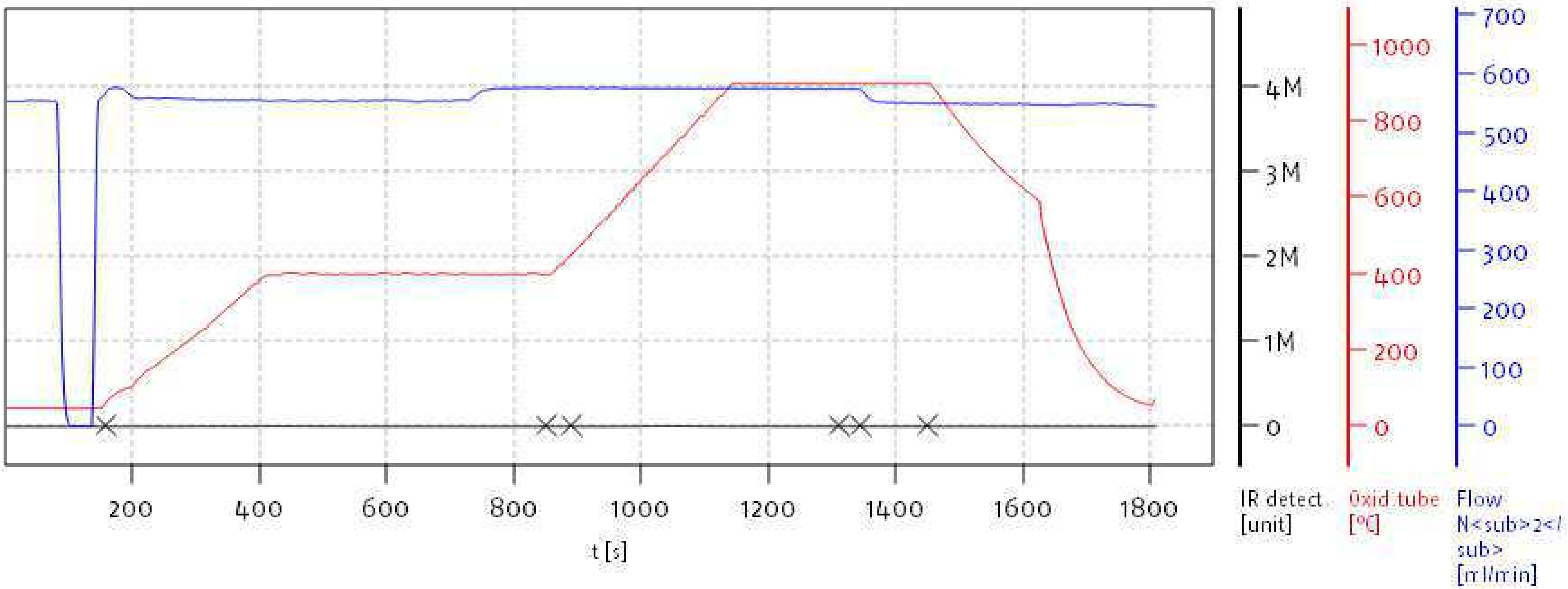
EPA 9060A m

Laboratory:	Analytical Resources, LLC	SDG:	22L0307
Client:	Anchor QEA, LLC	Project:	AOC4 UR Phase 3
Calibration:	FD00070	Instrument:	TOC Cube
Calibration Date:	04/26/2022 11:29		

COMPOUND	Mean RF	RF RSD	Linear COD	Quad COD	COD Limit	Q
Total Organic Carbon	1424064	15.9	0.9988			
Total Carbon	1424064	15.9	0.9988			
Total Inorganic Carbon	1424064	15.9	0.9988			
% Soot	1424064	15.9	0.9988			

Soli TOC Cube, Carbon
Balance: BAL3
Analyst: DOE

	Pos.	Name	Weight [mg]	Memo	Dilut. Factor	Method	Date Time	TOC [%]	TIC900 [%]	TC [%]	Info	TOC400 Area	TIC900 Area	ROC Area	TOC400 Factor	TIC900 Factor
1	1	BLANK	1.00		1.00	CARBON	4/26/2022 11:29 AM	0.000	0.000	0.000	bl	29 049	30 612	3 899	1.0000	1.0000



Name:

Access: soliTOC superuser

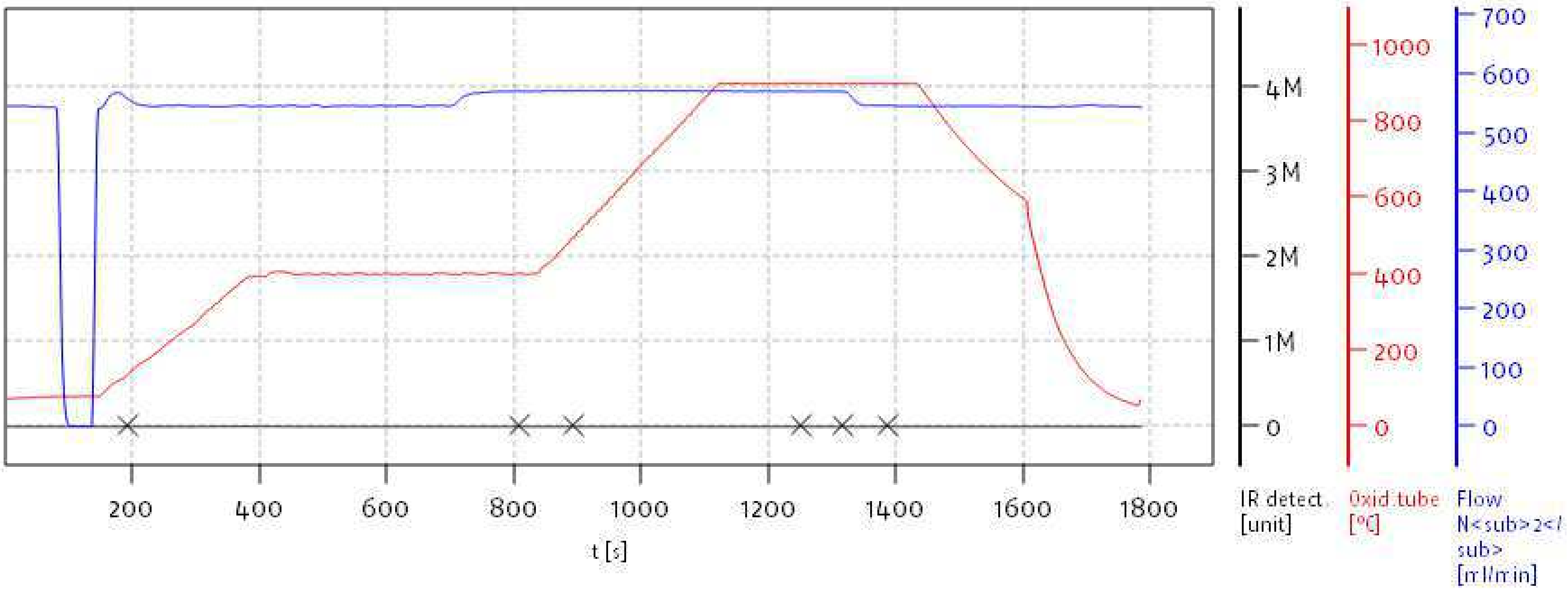
Date: Wed Apr 27 11:07:12 2022

soliTOC V2.0.2 (31015f9) 2018-11-19
Serial No: 0300.181017
Mode CCC

Soli TOC Cube, Carbon
Balance: BAL3
Analyst: DOE

Analytical Resources, Incorporated
Analytical Chemists and Consultants

	Pos.	Name	Weight [mg]	Memo	Dilut. Factor	Method	Date Time	TOC [%]	TIC900 [%]	TC [%]	Info	TOC400 Area	TIC900 Area	ROC Area	TOC400 Factor	TIC900 Factor
2	2	BLANK	1.00		1.00	CARBON	4/ 26/2022 12:00 PM	0.000	0.000	0.000	bl	11 115	60	8	1.0000	1.0000



Name:

Access: soliTOC superuser

Date: Wed Apr 27 11:07:12 2022

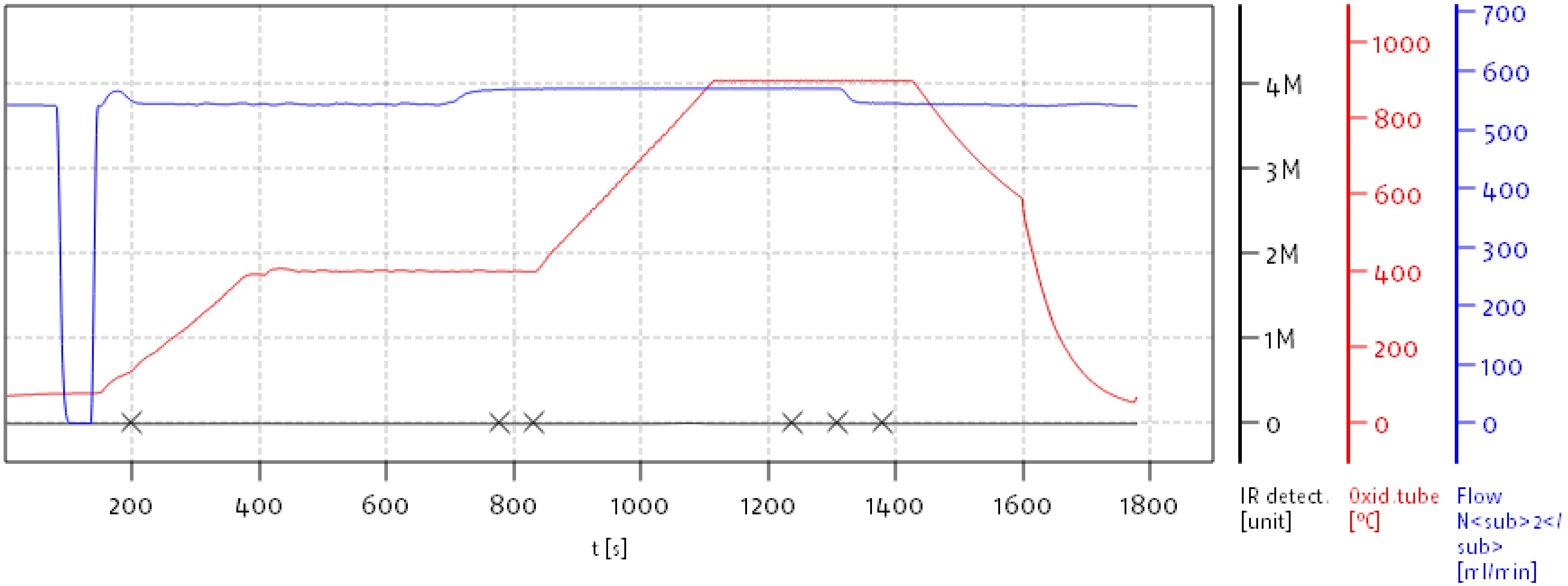
soliTOC V2.0.2 (31015f9) 2018-11-19
Serial No: 0300.181017
Mode CCC

elementar
EXCELLENCE IN ELEMENTS

Soli TOC Cube, Carbon
Balance: BAL3
Analyst: DOE

Analytical Resources, Incorporated
Analytical Chemists and Consultants

	Pos.	Name	Weight [mg]	Memo	Dilut. Factor	Method	Date Time	TOC [%]	TIC900 [%]	TC [%]	Info	TOC400 Area	TIC900 Area	ROC Area	TOC400 Factor	TIC900 Factor
3	3	SEQ-CAL1	200.00	0.0027	1.00	CARBON	4/26/2022 12:30 PM	0.010	0.008	0.018	bl,C1u,C2u	7 294	11 739	22	1.0000	0.7425



Name:

Access: soliTOC superuser

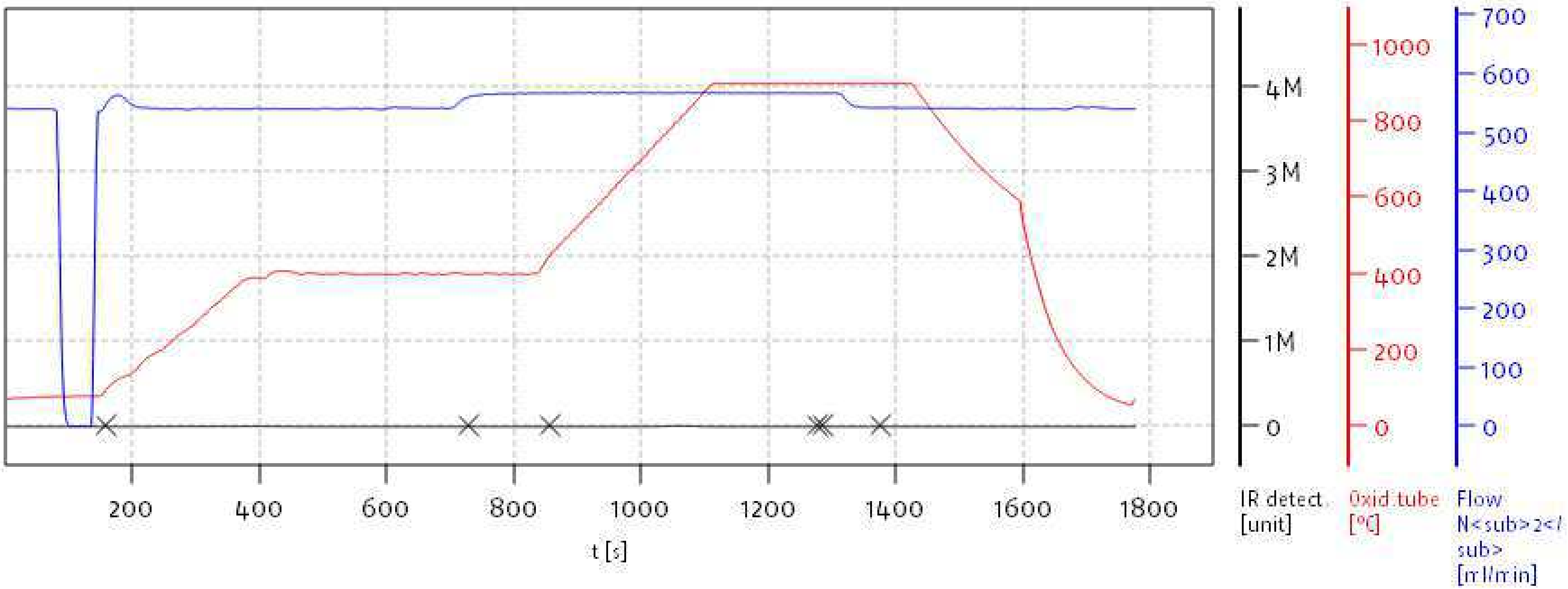
Date: Wed Apr 27 11:07:12 2022

elementar
EXCELLENCE IN ELEMENTS

soliTOC V2.0.2 (31015f9) 2018-11-19
Serial No: 0300.181017
Mode CCC

Soli TOC Cube, Carbon
Balance: BAL3
Analyst: DOE

	Pos.	Name	Weight [mg]	Memo	Dilut. Factor	Meth od	Date Time	TOC [%]	TIC900 [%]	TC [%]	Info	TOC400 Area	TIC900 Area	ROC Area	TOC400 Factor	TIC900 Factor
4	4	SEQ-CAL2	200.00	0. 0049	1.00	CARB ON	4/ 26/2022 1:00 PM	0.023	0.015	0.038	bl,C2 u	23 296	19 107	47	1.0000	0.8936



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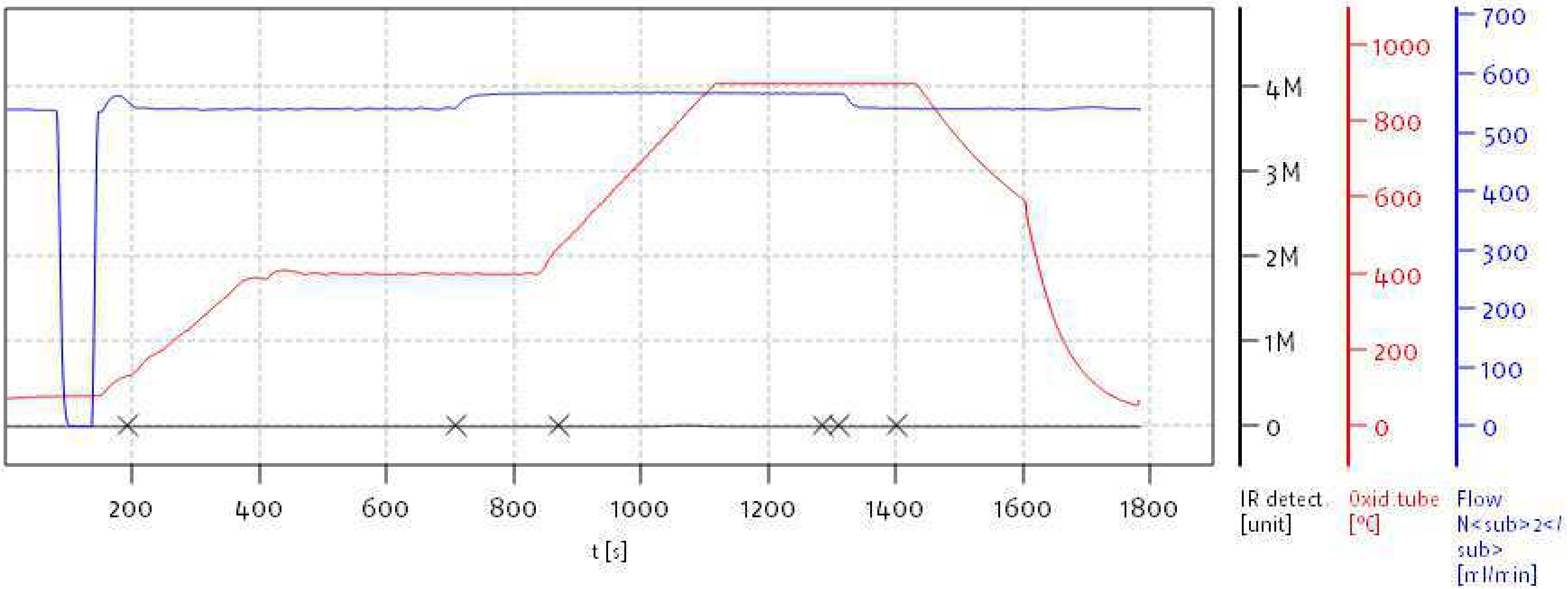
soliTOC V2.0.2 (31015f9) 2018-11-19
Serial No: 0300.181017
Mode CCC

Soli TOC Cube, Carbon
Balance: BAL3
Analyst: DOE

	Pos.	Name	Weight [mg]	Memo	Dilut. Factor	Method	Date Time	TOC [%]	TIC900 [%]	TC [%]	Info	TOC400 Area	TIC900 Area	ROC Area	TOC400 Factor	TIC900 Factor
5	5	SEQ-CAL3	200.00	0.0071	1.00	CARBON	4/26/2022 1:30 PM	0.006	0.022	0.028	bl,C1u,C2u	2 319	27 530	170	1.0000	0.9343



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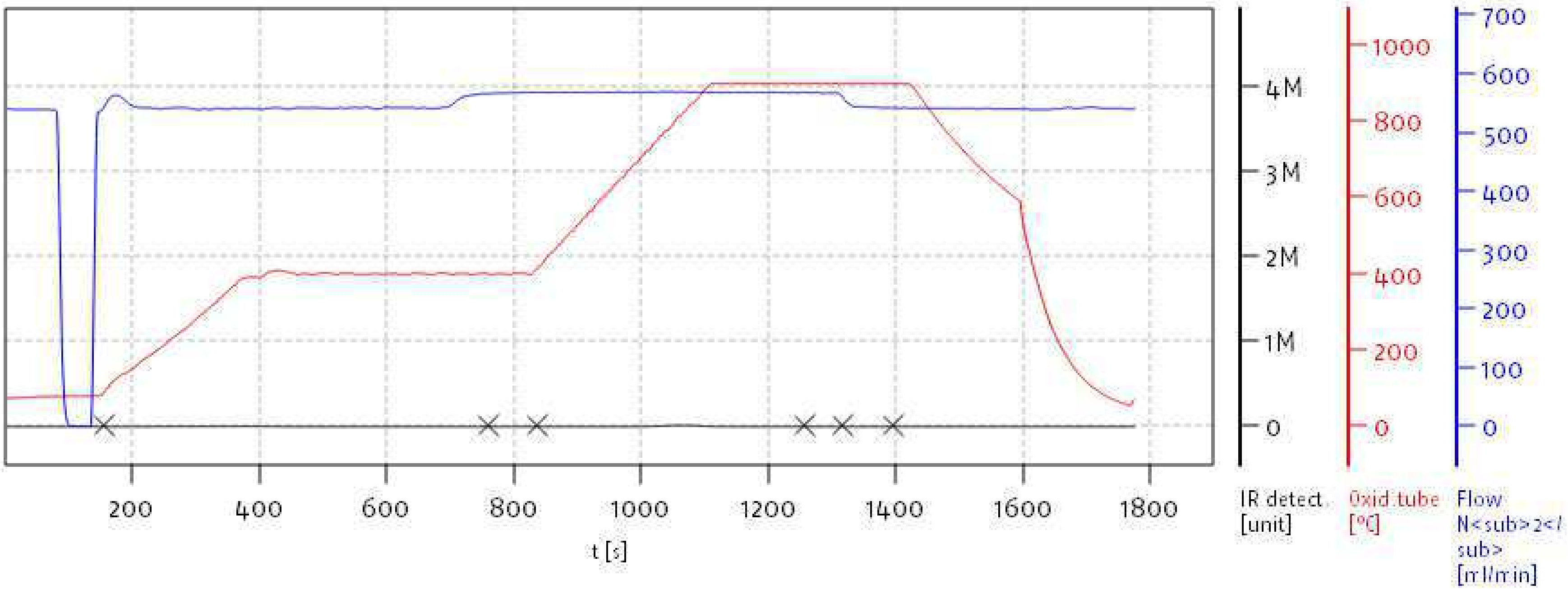
soliTOC V2.0.2 (31015f9) 2018-11-19
Serial No: 0300.181017
Mode CCC

Soli TOC Cube, Carbon
Balance: BAL3
Analyst: DOE

Analytical Resources, Incorporated
Analytical Chemists and Consultants

	Pos.	Name	Weight [mg]	Memo	Dilut. Factor	Method	Date Time	TOC [%]	TIC900 [%]	TC [%]	Info	TOC400 Area	TIC900 Area	ROC Area	TOC400 Factor	TIC900 Factor
6	6	SEQ-CAL4	200.00	0.0098	1.00	CARBON	4/26/2022 2:00 PM	0.020	0.030	0.050	bl,C2u	19 746	38 017	109	1.0000	0.9461



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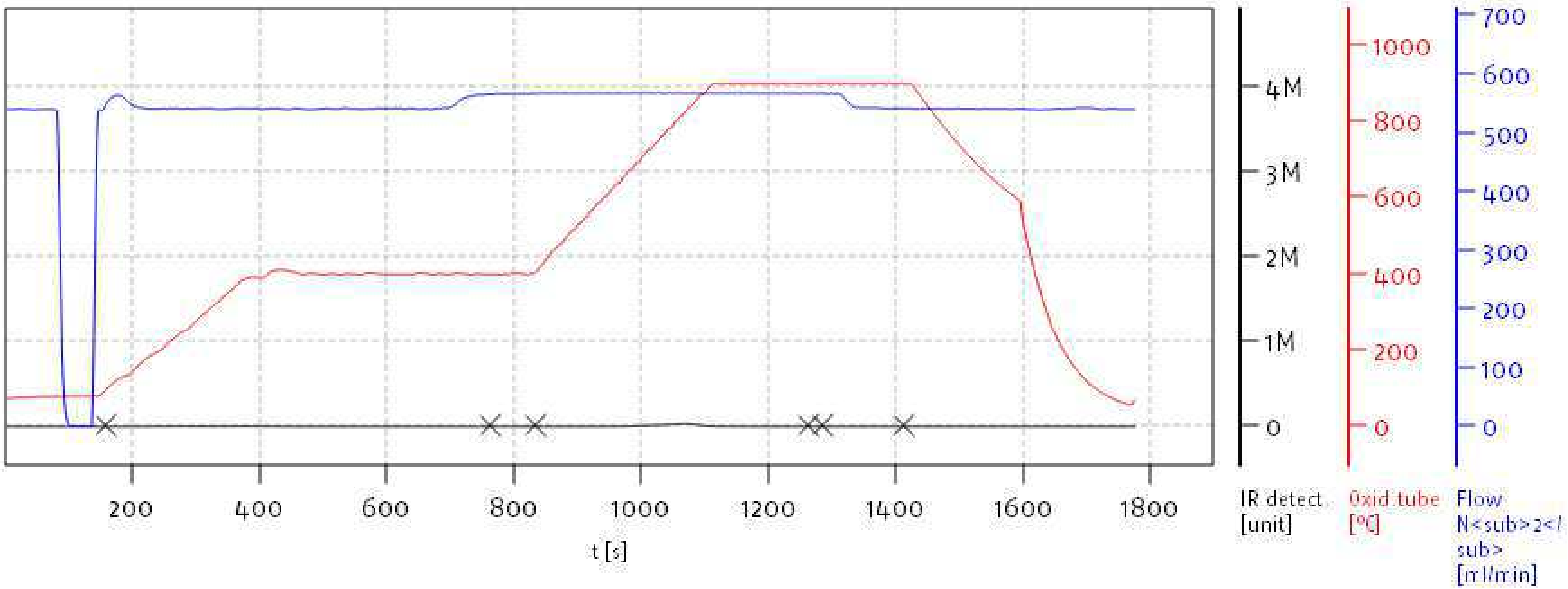
Serial No: 0300.181017
Mode CCC

Soli TOC Cube, Carbon
Balance: BAL3
Analyst: DOE

	Pos.	Name	Weight [mg]	Memo	Dilut. Factor	Method	Date Time	TOC [%]	TIC900 [%]	TC [%]	Info	TOC400 Area	TIC900 Area	ROC Area	TOC400 Factor	TIC900 Factor
7	7	SEQ-CAL5	200.00	0.0148	1.00	CARBON	4/26/2022 2:30 PM	0.021	0.045	0.066	bl,C2u	20 951	92 945	236	1.0000	0.5975



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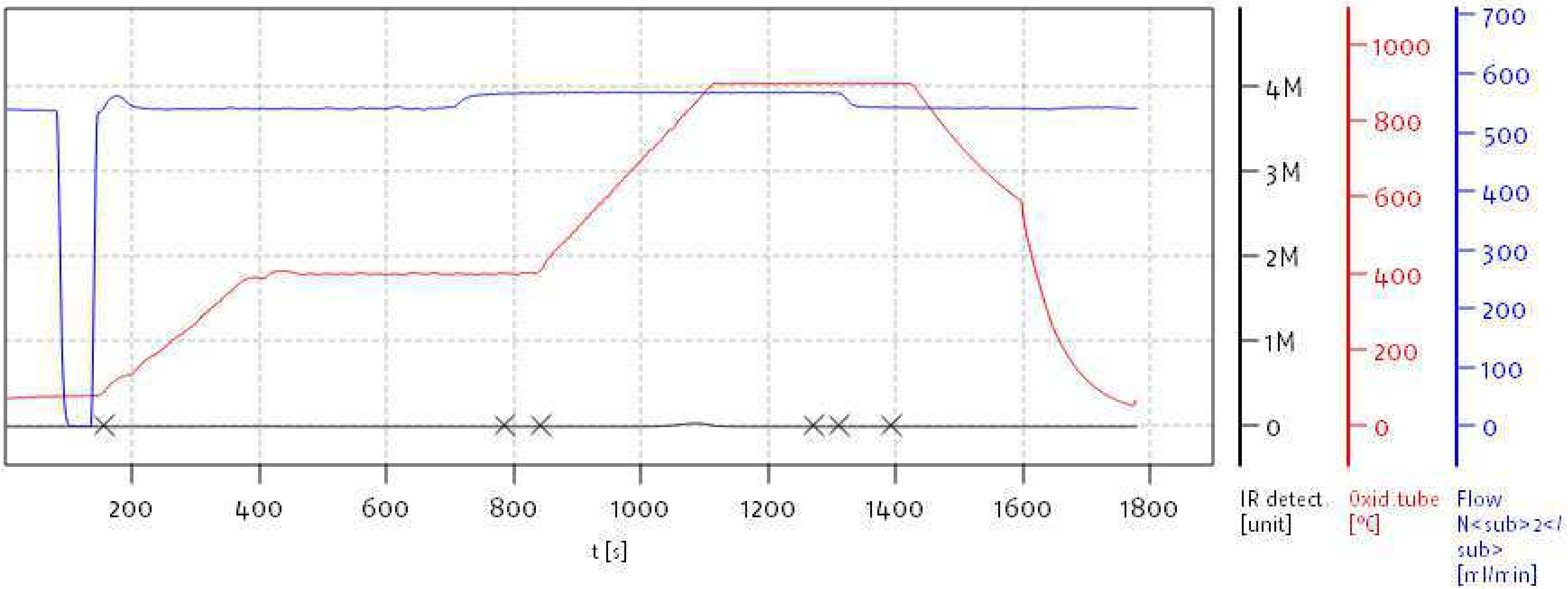
Serial No: 0300.181017
Mode CCC

Soli TOC Cube, Carbon
Balance: BAL3
Analyst: DOE

	Pos.	Name	Weight [mg]	Memo	Dilut. Factor	Method	Date Time	TOC [%]	TIC900 [%]	TC [%]	Info	TOC400 Area	TIC900 Area	ROC Area	TOC400 Factor	TIC900 Factor
8	8	SEQ-CAL6	200.00	0.0196	1.00	CARBON	4/26/2022 3:00 PM	0.012	0.061	0.073	bl,C2u	10 118	82 297	59	1.0000	0.9144



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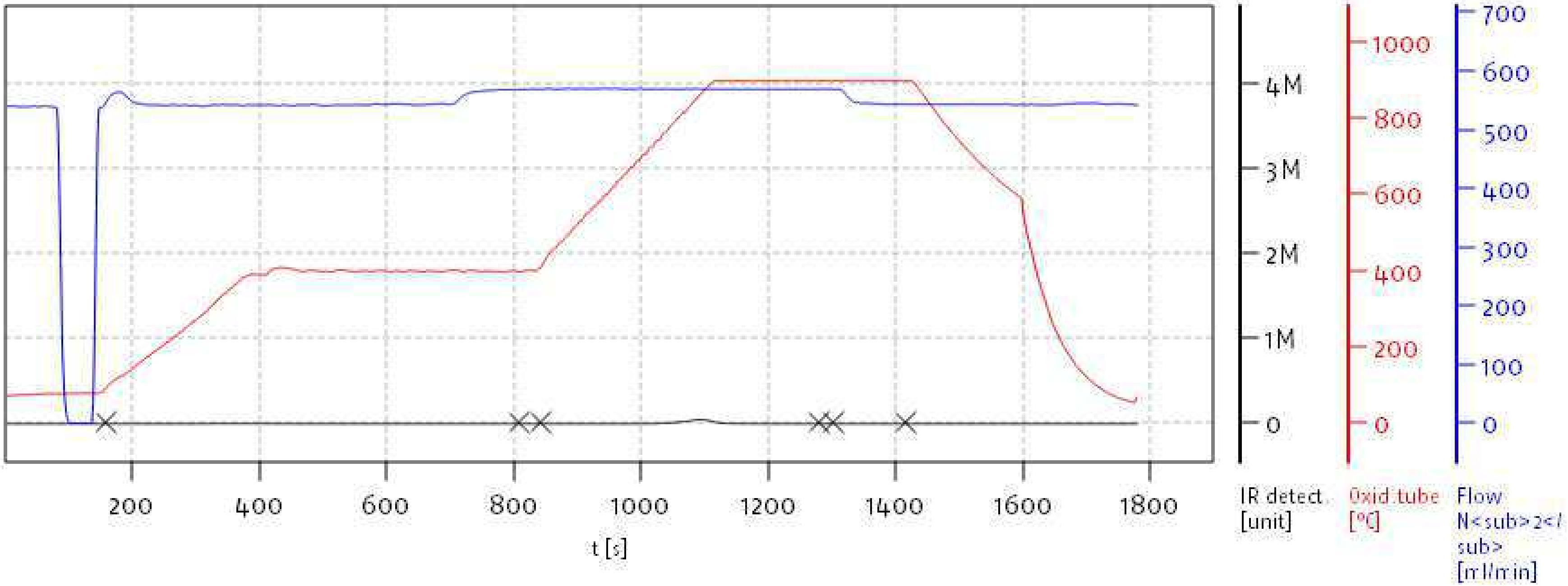
soliTOC V2.0.2 (31015f9) 2018-11-19
Serial No: 0300.181017
Mode CCC

Soli TOC Cube, Carbon
Balance: BAL3
Analyst: DOE

	Pos.	Name	Weight [mg]	Memo	Dilut. Factor	Meth od	Date Time	TOC [%]	TIC900 [%]	TC [%]	Info	TOC400 Area	TIC900 Area	ROC Area	TOC400 Factor	TIC900 Factor
9	9	SEQ-CAL7	200.00	0.0247	1.00	CARBON	4/26/2022 3:30 PM	0.013	0.075	0.088	bl,C2u	10 555	101 530	292	1.0000	0.9173



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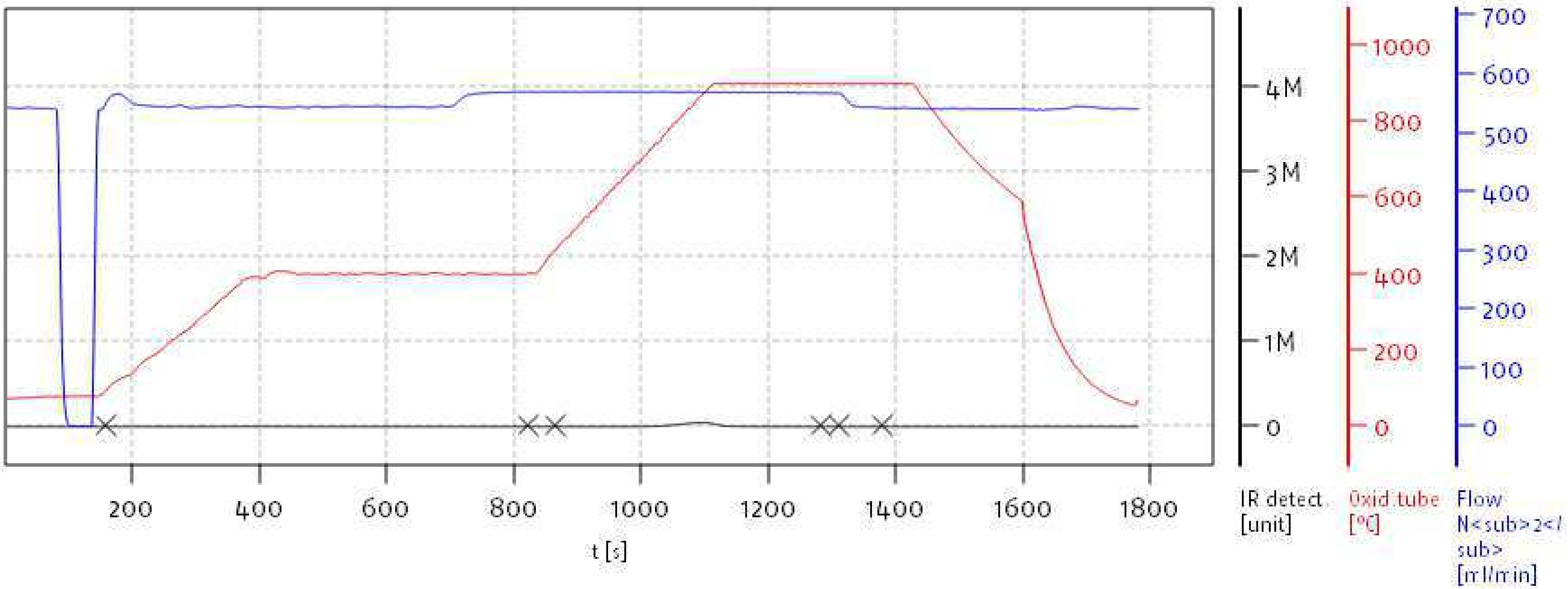
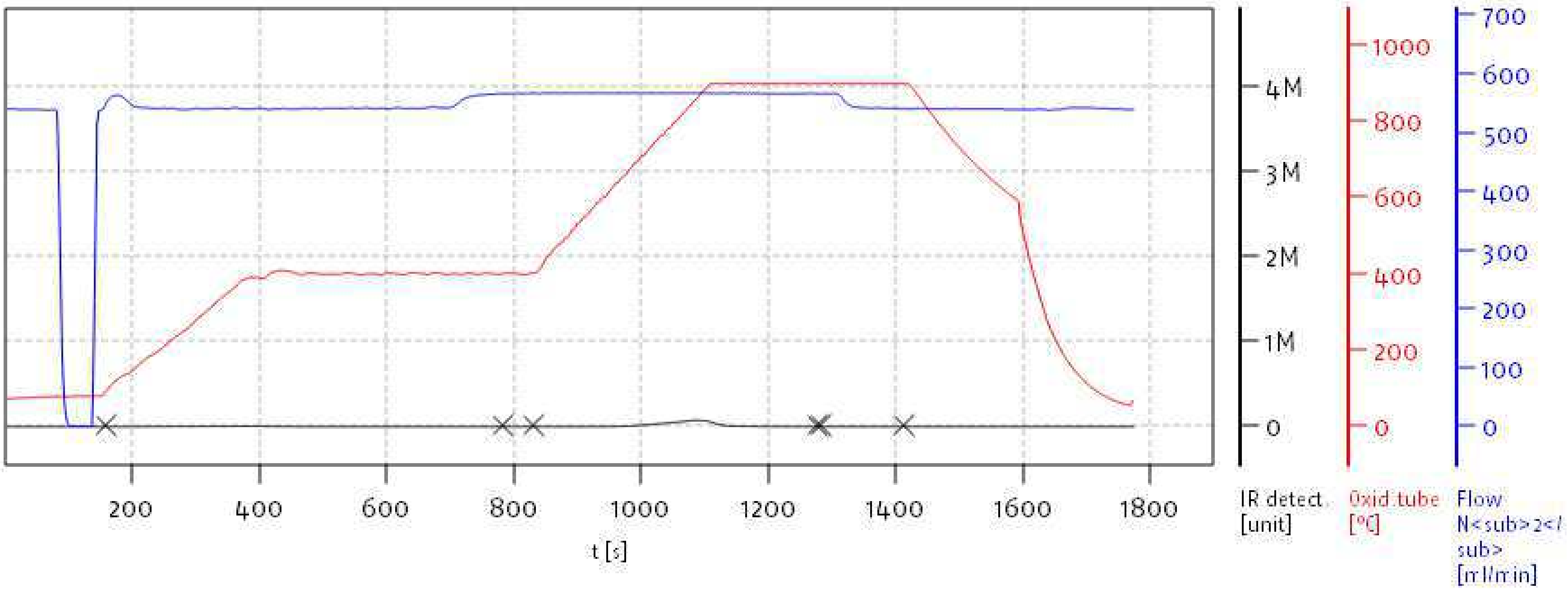
soliTOC V2.0.2 (31015f9) 2018-11-19
Serial No: 0300.181017
Mode CCC

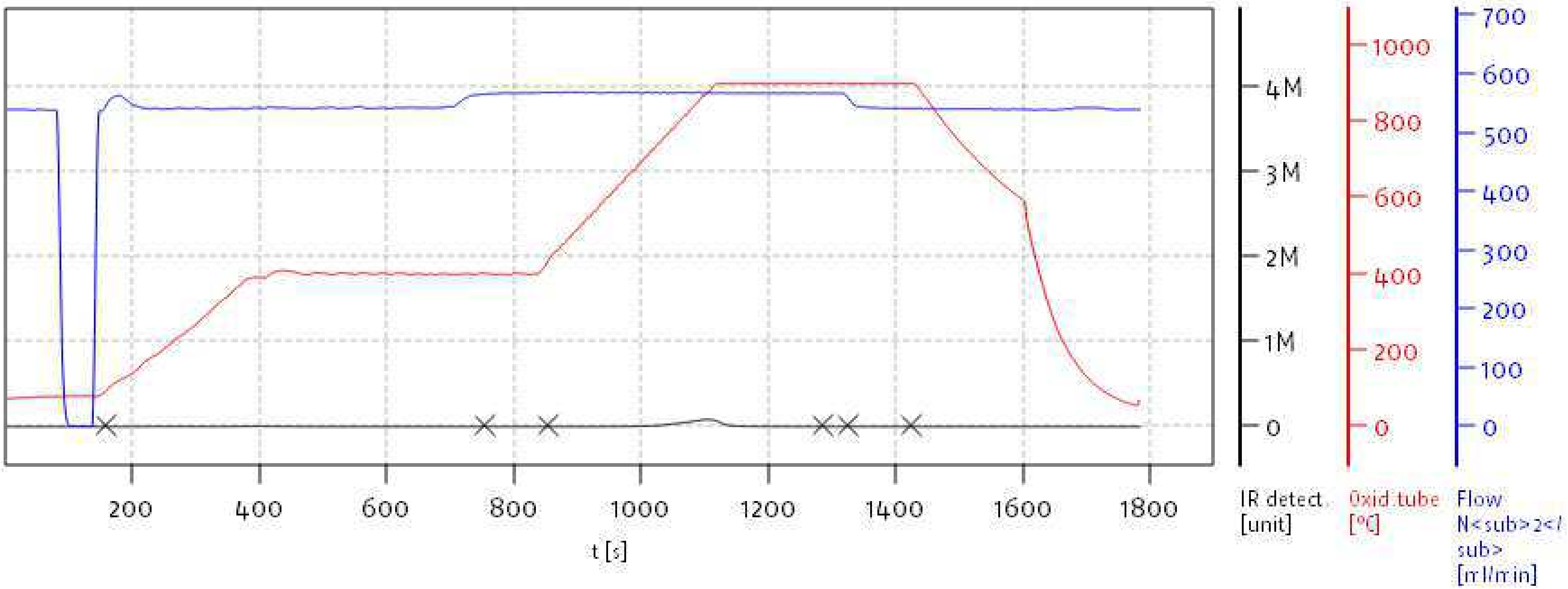
	Pos.	Name	Weight [mg]	Memo	Dilut. Factor	Method	Date Time	TOC [%]	TIC900 [%]	TC [%]	Info	TOC400 Area	TIC900 Area	ROC Area	TOC400 Factor	TIC900 Factor
10	10	SEQ-CAL8	200.00	0.0298	1.00	CARBON	4/26/2022 4:00 PM	0.009	0.091	0.100	bl,C1u,C2u	6 668	120 822	116	1.0000	0.9312



	Pos.	Name	Weight [mg]	Memo	Dilut. Factor	Method	Date Time	TOC [%]	TIC900 [%]	TC [%]	Info	TOC400 Area	TIC900 Area	ROC Area	TOC400 Factor	TIC900 Factor
11	11	SEQ-CAL9	200.00	0.0402	1.00	CARBON	4/26/2022 4:30 PM	0.031	0.120	0.151	bl,C2u	32 999	260 234	1 044	1.0000	0.5792

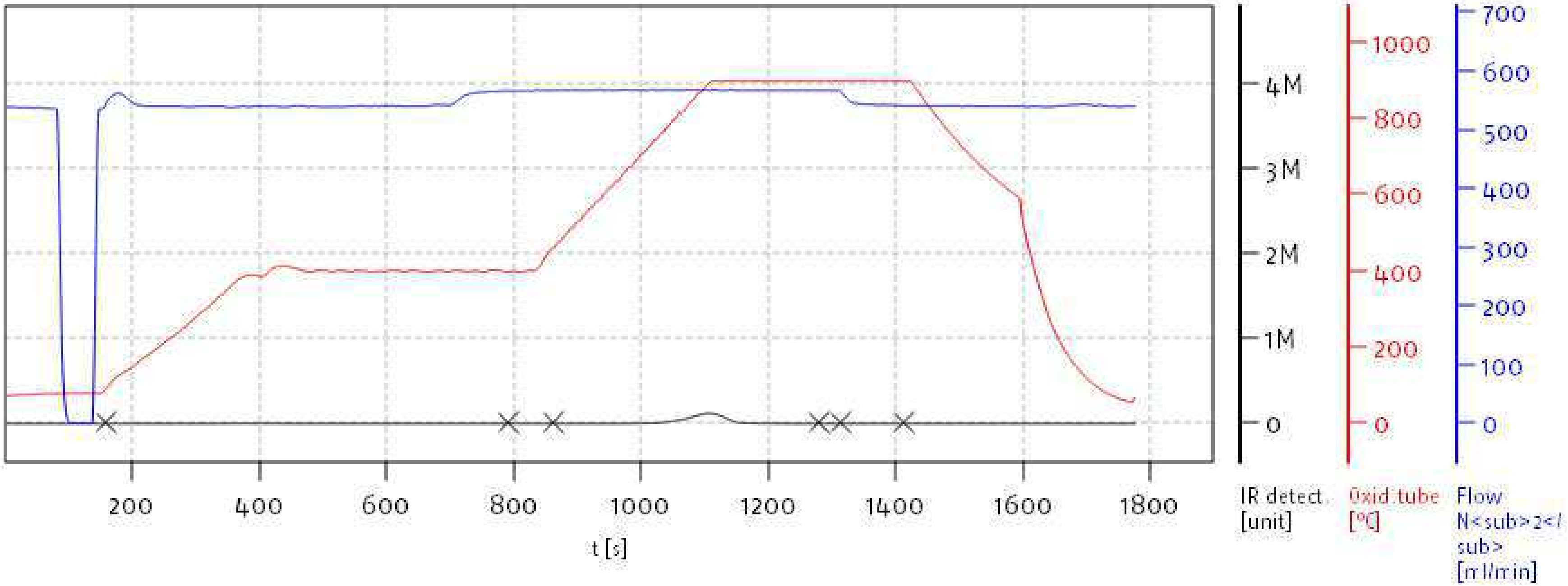


	Pos.	Name	Weight [mg]	Memo	Dilut. Factor	Method	Date Time	TOC [%]	TIC900 [%]	TC [%]	Info	TOC400 Area	TIC900 Area	ROC Area	TOC400 Factor	TIC900 Factor
12	12	SEQ-CALA	200.00	0.0500	1.00	CARBON	4/26/2022 5:00 PM	0.021	0.151	0.172	bl,C2u	20 147	233 779	913	1.0000	0.8099



Soli TOC Cube, Carbon
Balance: BAL3
Analyst: DOE

	Pos.	Name	Weight [mg]	Memo	Dilut. Factor	Method	Date Time	TOC [%]	TIC900 [%]	TC [%]	Info	TOC400 Area	TIC900 Area	ROC Area	TOC400 Factor	TIC900 Factor
13	13	SEQ-CALB	200.00	0.0040	1.00	CARBON	4/26/2022 5:30 PM	0.010	0.258	0.268	bl,C1u,C2u	7 070	323 151	663	1.0000	1.0048



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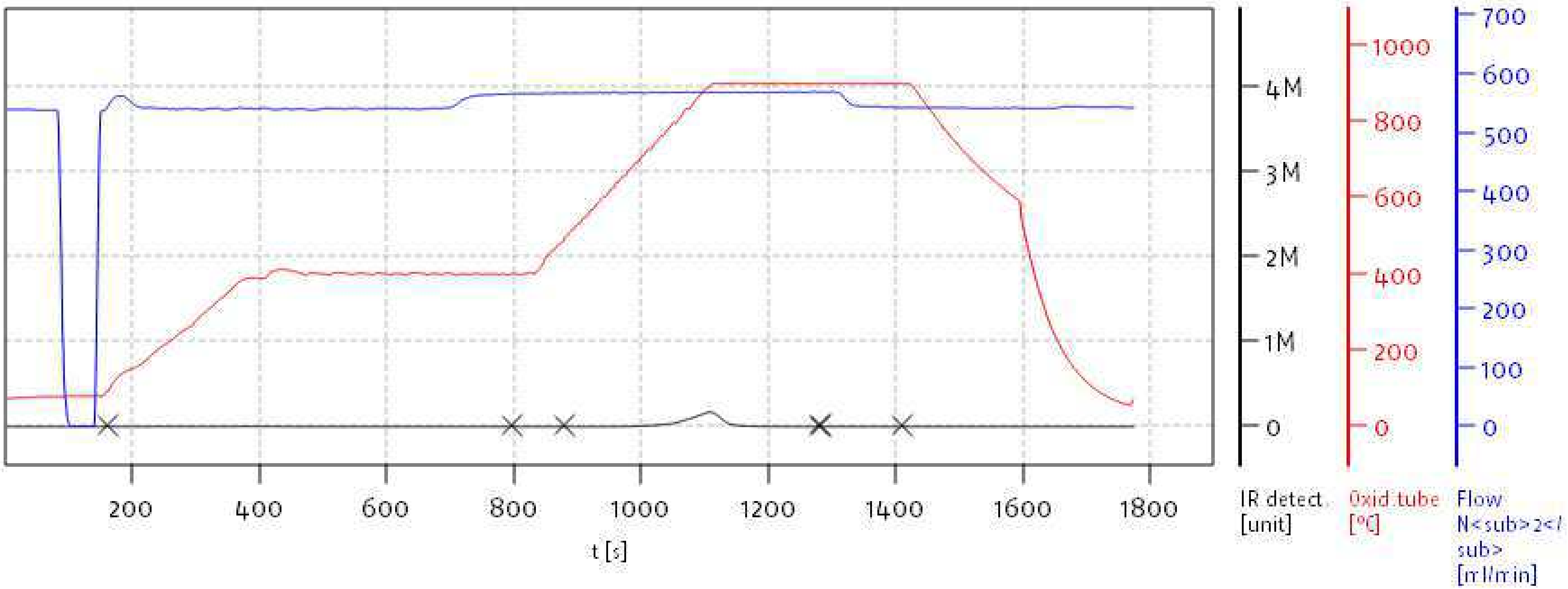
soliTOC V2.0.2 (31015f9) 2018-11-19
Serial No: 0300.181017
Mode CCC

Soli TOC Cube, Carbon
Balance: BAL3
Analyst: DOE

	Pos.	Name	Weight [mg]	Memo	Dilut. Factor	Method	Date Time	TOC [%]	TIC900 [%]	TC [%]	Info	TOC400 Area	TIC900 Area	ROC Area	TOC400 Factor	TIC900 Factor
14	14	SEQ-CALC	200.00	0.0048	1.00	CARBON	4/26/2022 6:00 PM	0.015	0.324	0.339	bl,C2u	13 785	411 879	575	1.0000	0.9917



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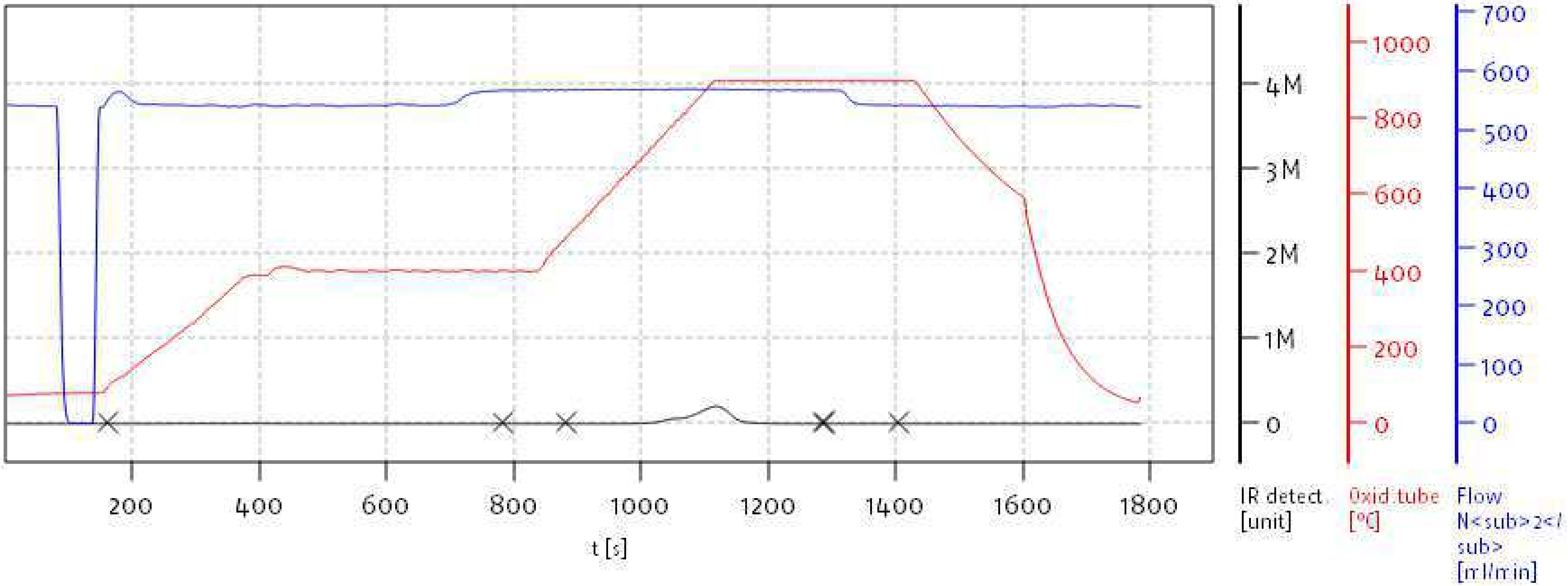
Serial No: 0300.181017
Mode CCC

Soli TOC Cube, Carbon
Balance: BAL3
Analyst: DOE

	Pos.	Name	Weight [mg]	Memo	Dilut. Factor	Meth od	Date Time	TOC [%]	TIC900 [%]	TC [%]	Info	TOC400 Area	TIC900 Area	ROC Area	TOC400 Factor	TIC900 Factor
15	15	SEQ-CALD	200.00	0.0069	1.00	CARBON	4/26/2022 6:30 PM	0.019	0.444	0.463	bl,C2u	18 465	553 540	263	1.0000	1.0129



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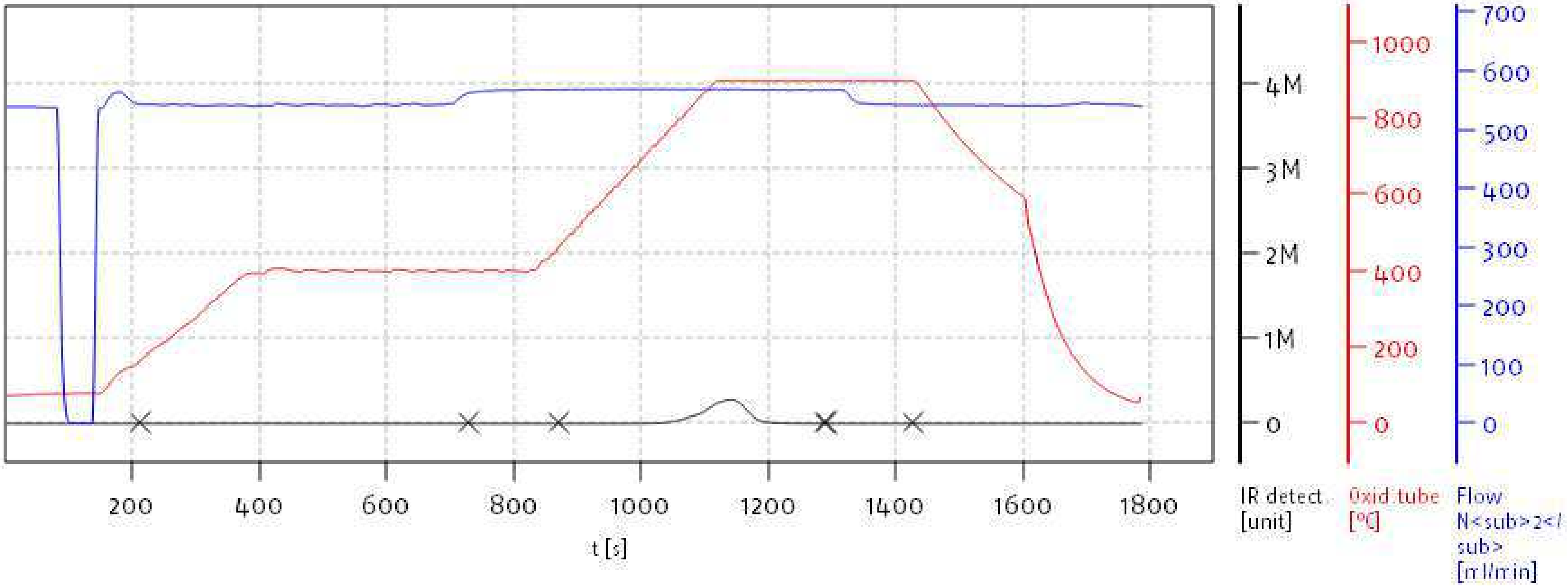
Serial No: 0300.181017
Mode CCC

Soli TOC Cube, Carbon
Balance: BAL3
Analyst: DOE

	Pos.	Name	Weight [mg]	Memo	Dilut. Factor	Method	Date Time	TOC [%]	TIC900 [%]	TC [%]	Info	TOC400 Area	TIC900 Area	ROC Area	TOC400 Factor	TIC900 Factor
16	16	SEQ-CALE	200.00	0.0101	1.00	CARBON	4/26/2022 7:00 PM	0.009	0.600	0.609	bl,C1u,C2u	5 485	839 878	536	1.0000	0.9036



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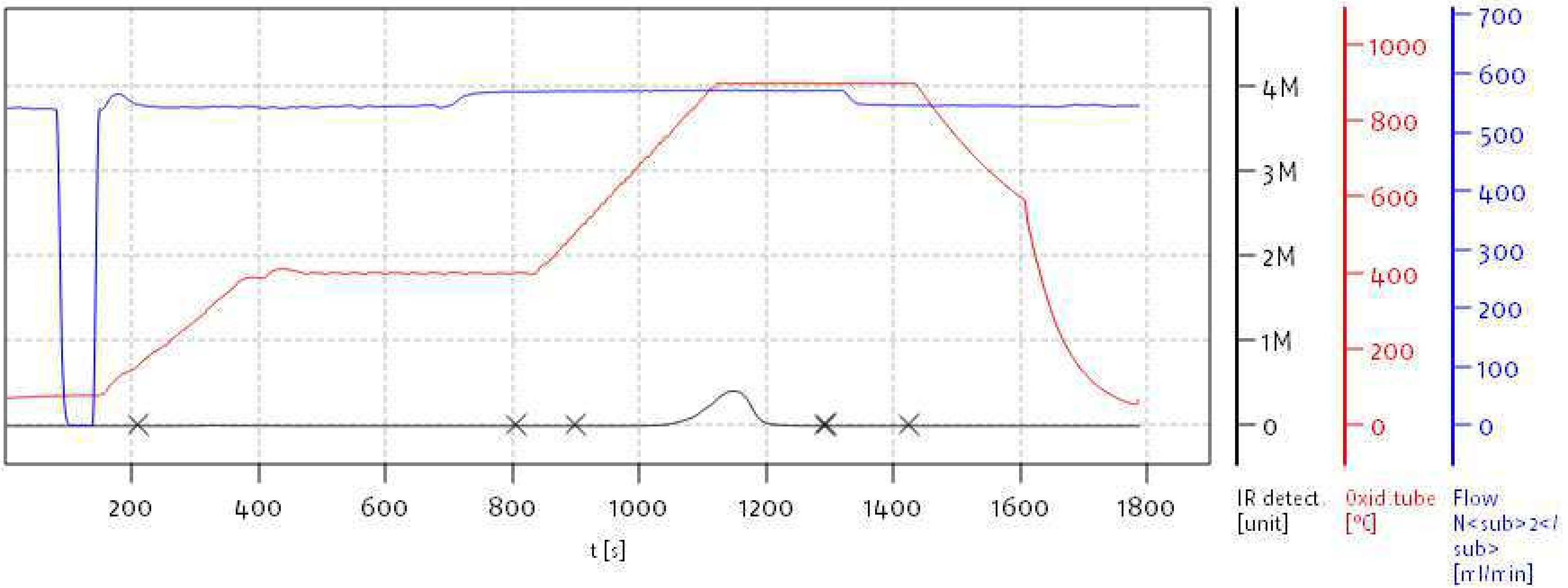
soliTOC V2.0.2 (31015f9) 2018-11-19
Serial No: 0300.181017
Mode CCC

Soli TOC Cube, Carbon
Balance: BAL3
Analyst: DOE

	Pos.	Name	Weight [mg]	Memo	Dilut. Factor	Method	Date Time	TOC [%]	TIC900 [%]	TC [%]	Info	TOC400 Area	TIC900 Area	ROC Area	TOC400 Factor	TIC900 Factor
17	17	SEQ-CALF	200.00	0.0149	1.00	CARBON	4/26/2022 7:31 PM	0.019	0.906	0.925	bl,C2u	17 439	1 236 200	814	1.0000	0.9279



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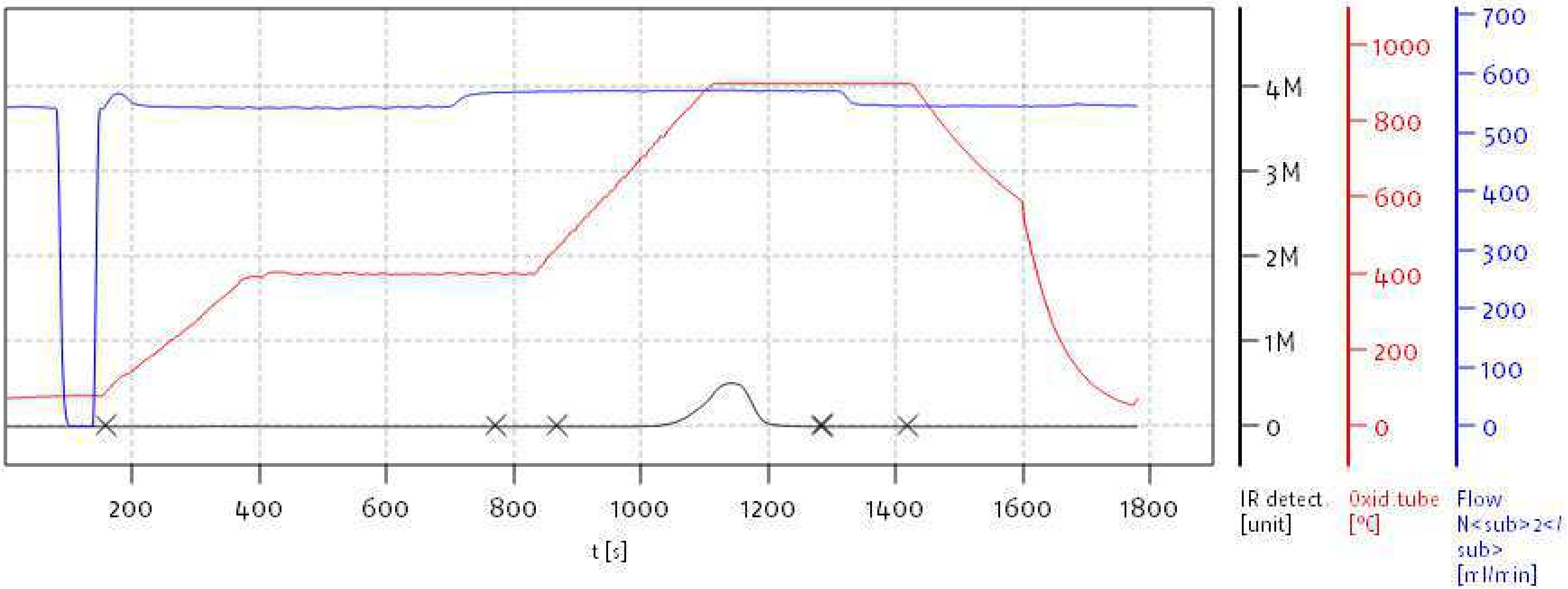
soliTOC V2.0.2 (31015f9) 2018-11-19
Serial No: 0300.181017
Mode CCC

Soli TOC Cube, Carbon
Balance: BAL3
Analyst: DOE

	Pos.	Name	Weight [mg]	Memo	Dilut. Factor	Method	Date Time	TOC [%]	TIC900 [%]	TC [%]	Info	TOC400 Area	TIC900 Area	ROC Area	TOC400 Factor	TIC900 Factor
18	18	SEQ-CALG	200.00	0.0198	1.00	CARBON	4/26/2022 8:01 PM	0.015	1.206	1.221	bl,C2u	12 557	1 639 190	1 295	1.0000	0.9320



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EXCELLENCE IN ELEMENTS

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Serial No: 0300.181017
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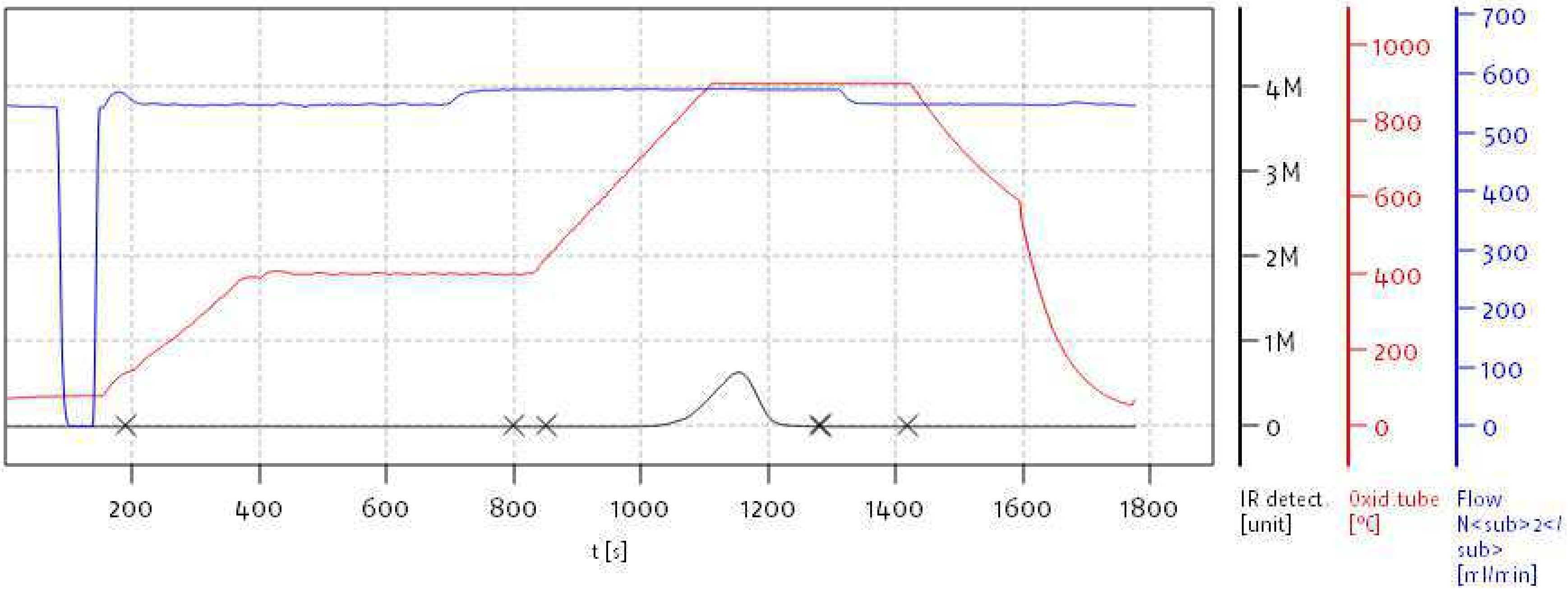
Soli TOC Cube, Carbon
Balance: BAL3
Analyst: DOE

	Pos.	Name	Weight [mg]	Memo	Dilut. Factor	Method	Date Time	TOC [%]	TIC900 [%]	TC [%]	Info	TOC400 Area	TIC900 Area	ROC Area	TOC400 Factor	TIC900 Factor
19	19	SEQ-CALH	200.00	0.0250	1.00	CARBON	4/26/2022 8:31 PM	0.009	1.524	1.533	bl,C1u,C2u	4 029	2 063 890	2 225	1.0000	0.9357



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elementar
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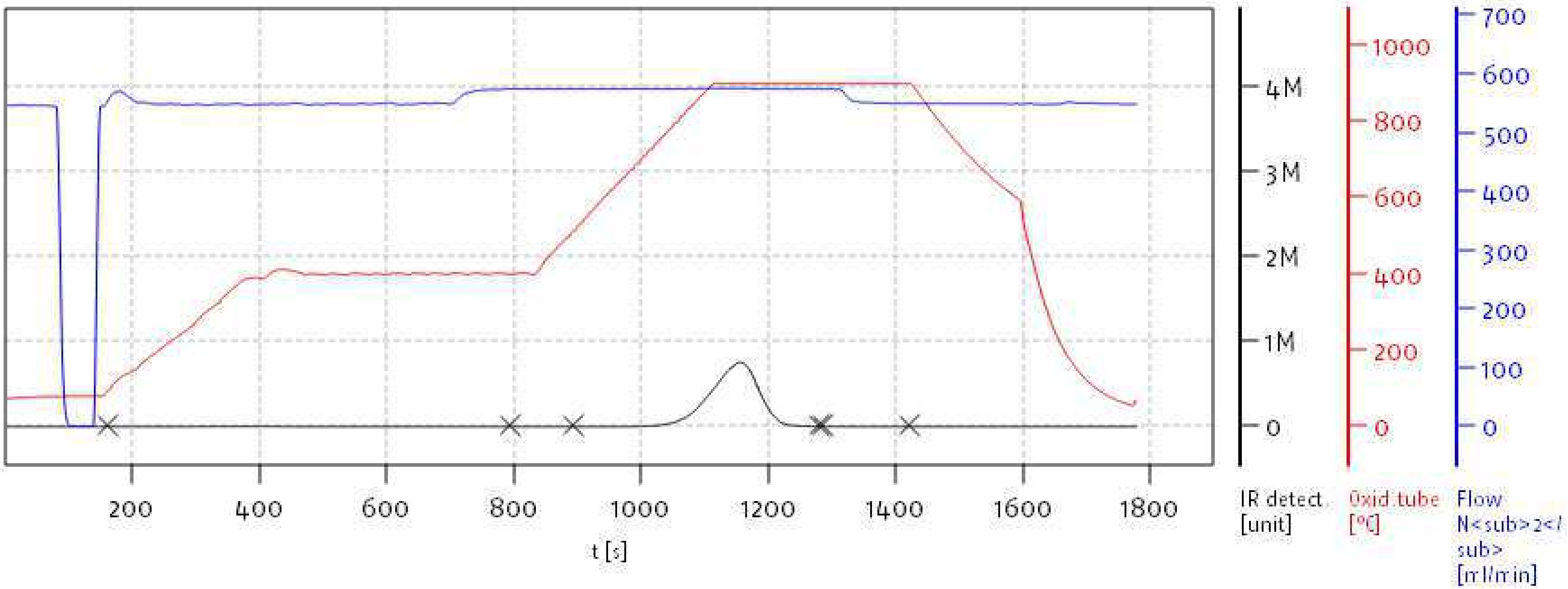
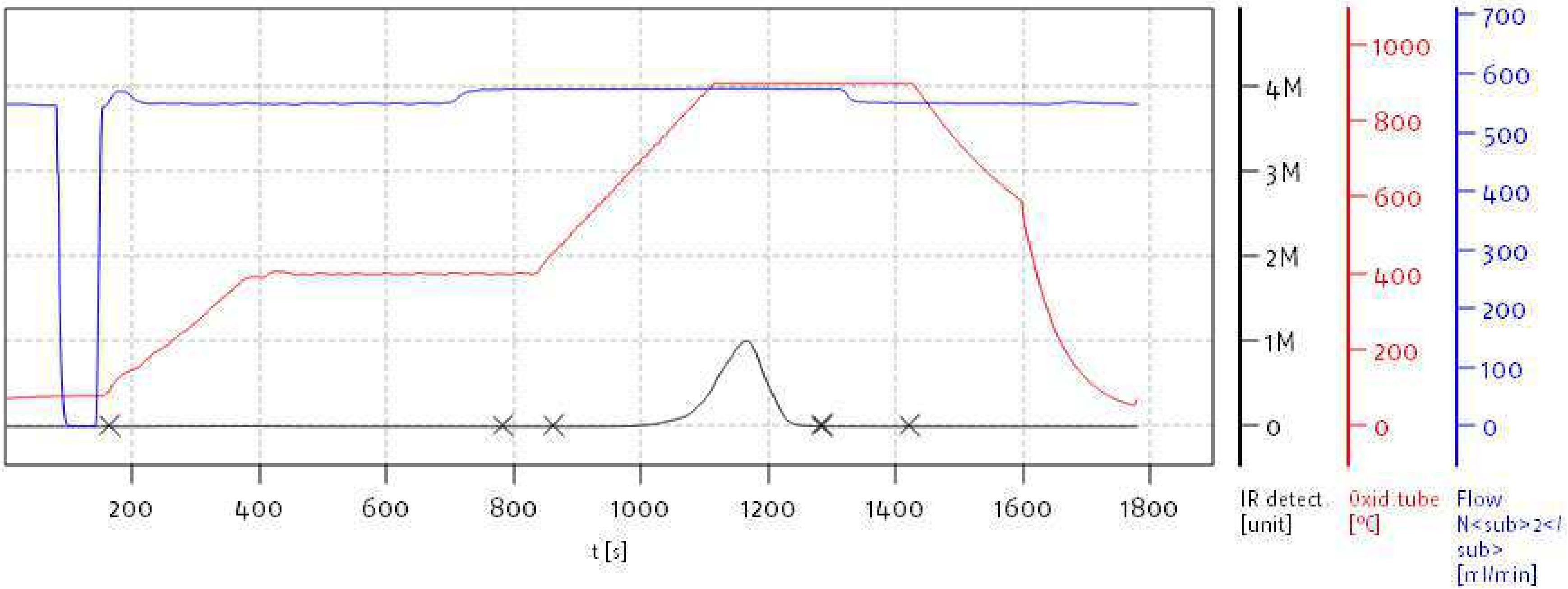
Serial No: 0300.181017
Mode CCC

	Pos.	Name	Weight [mg]	Memo	Dilut. Factor	Method	Date Time	TOC [%]	TIC900 [%]	TC [%]	Info	TOC400 Area	TIC900 Area	ROC Area	TOC400 Factor	TIC900 Factor
20	20	SEQ-CALI	200.00	0.0303	1.00	CARBON	4/26/2022 9:01 PM	0.017	1.800	1.817	bl,C2u	13 926	2 495 900	2 903	1.0000	0.9140



Soli TOC Cube, Carbon
Balance: BAL3
Analyst: DOE

	Pos.	Name	Weight [mg]	Memo	Dilut. Factor	Method	Date Time	TOC [%]	TIC900 [%]	TC [%]	Info	TOC400 Area	TIC900 Area	ROC Area	TOC400 Factor	TIC900 Factor
21	21	SEQ-CALJ	200.00	0.0415	1.00	CARBON	4/26/2022 9:31 PM	0.031	2.400	2.431	bl,C2u	28 786	3 482 530	5 351	1.0000	0.8737



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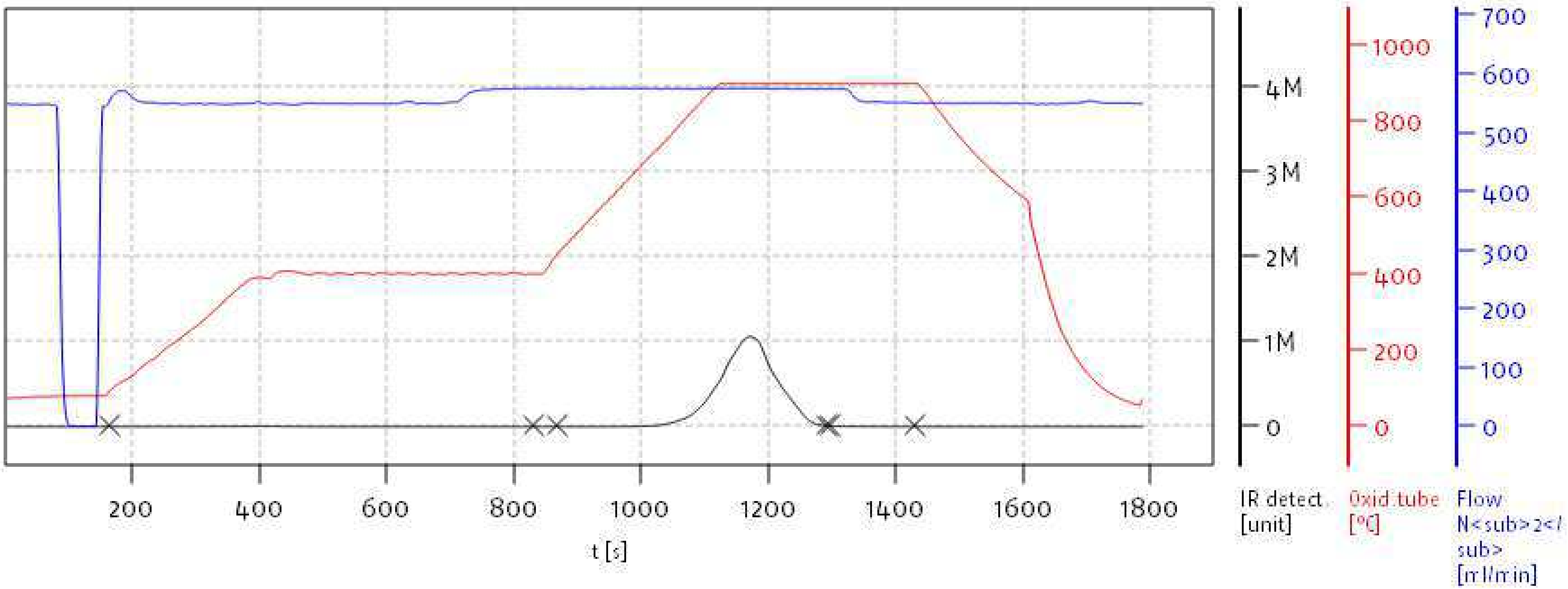
Balance: BAL3
Analyst: DOE

Analytical Resources, Incorporated
Analytical Chemists and Consultants

	Pos.	Name	Weight [mg]	Memo	Dilut. Factor	Method	Date Time	TOC [%]	TIC900 [%]	TC [%]	Info	TOC400 Area	TIC900 Area	ROC Area	TOC400 Factor	TIC900 Factor
22	22	SEQ-CALK	200.00	0.0497	1.00	CARBON	4/26/2022 10:01 PM	0.031	3.012	3.043	bl	23 732	4 105 830	9 736	1.0000	0.9301



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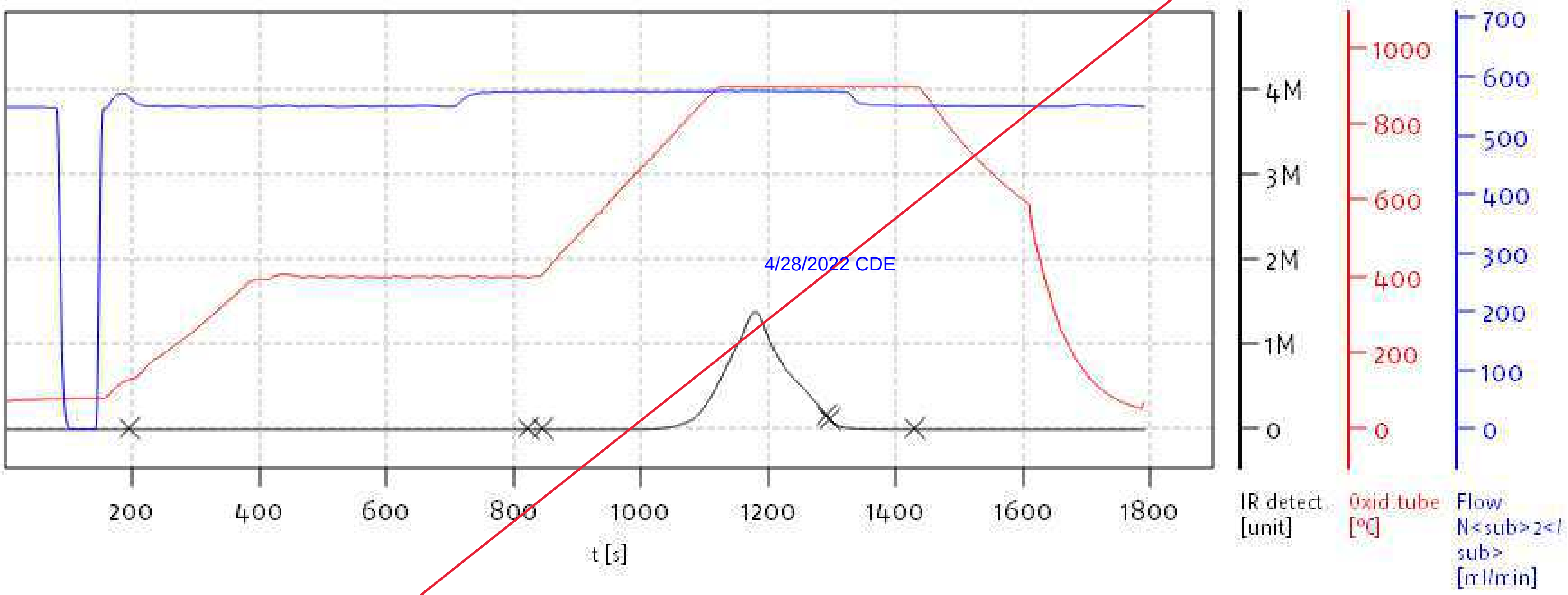
Soli TOC Cube, Carbon

Balance: BAL3
Analyst: DOE

	Pos.	Name	Weight [mg]	Memo	Dilut. Factor	Method	Date Time	TOC [%]	TIC900 [%]	TC [%]	Info	TOC400 Area	TIC900 Area	ROC Area	TOC400 Factor	TIC900 Factor
23	23	SEQ-CALL	200.00	0.0698	1.00	CARBON	4/26/2022 10:31 PM	0.005	3.805	3.810	bl,C1u	3 605	5 648 620	71 970	1.0000	0.9443



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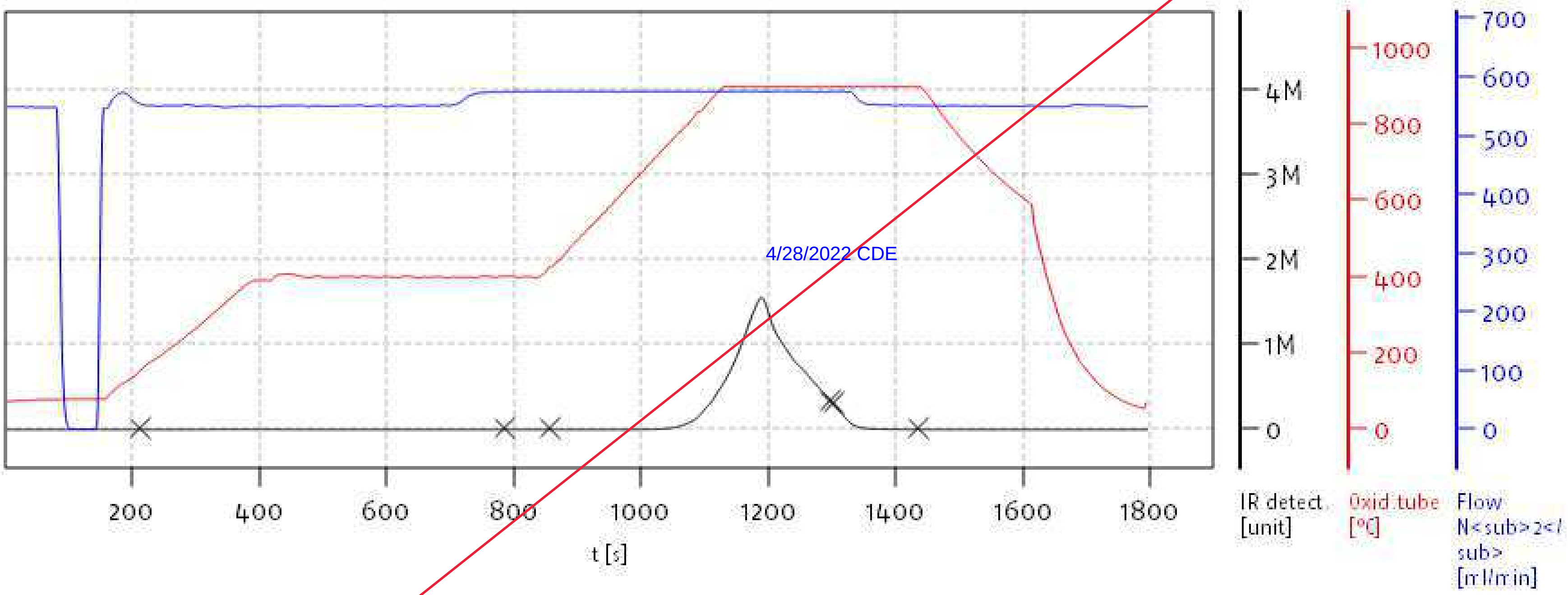
Soli TOC Cube, Carbon
Balance: BAL3
Analyst: DOE

	Pos.	Name	Weight [mg]	Memo	Dilut. Factor	Method	Date Time	TOC [%]	TIC900 [%]	TC [%]	Info	TOC400 Area	TIC900 Area	ROC Area	TOC400 Factor	TIC900 Factor
24	24	SEQ-CALM	200.00	0.0803	1.00	CARBON	4/26/2022 11:02 PM	0.010	4.637	4.647	bl	10 023	6 397 530	228 171	1.0000	0.9539



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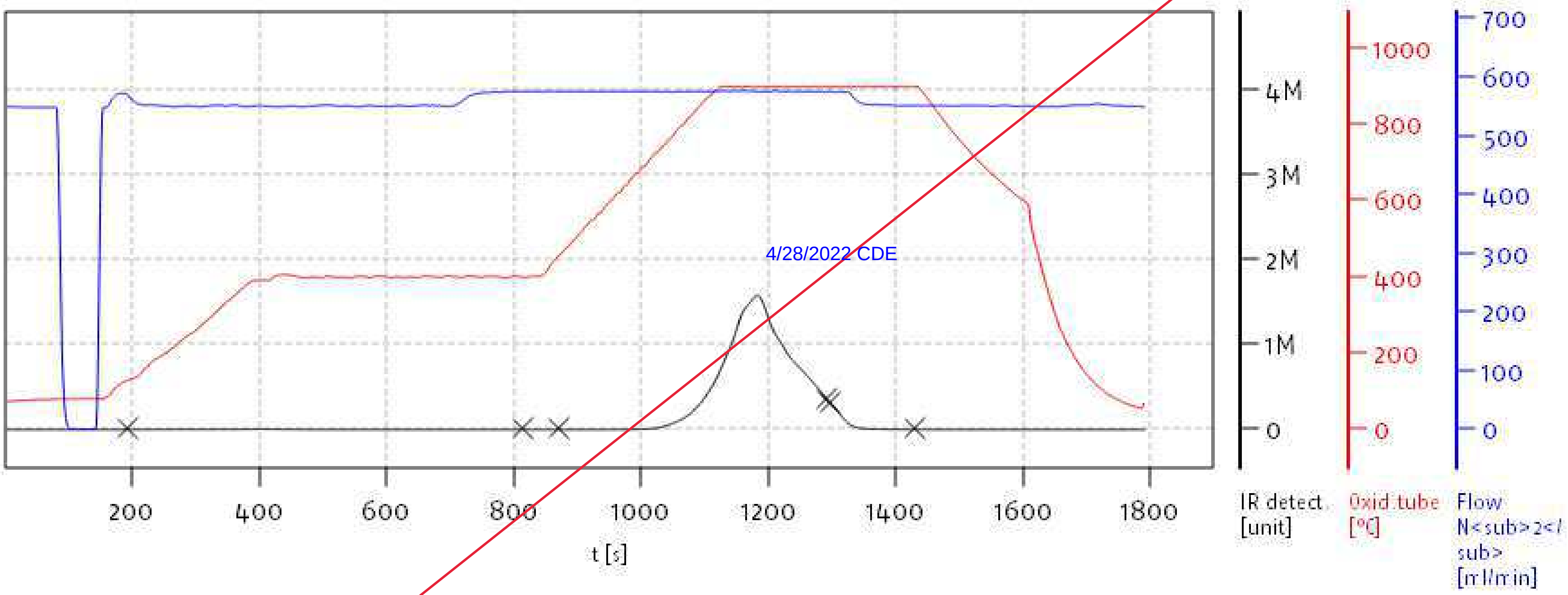
Soli TOC Cube, Carbon
Balance: BAL3
Analyst: DOE

	Pos.	Name	Weight [mg]	Memo	Dilut. Factor	Method	Date Time	TOC [%]	TIC900 [%]	TC [%]	Info	TOC400 Area	TIC900 Area	ROC Area	TOC400 Factor	TIC900 Factor
25	25	SEQ-CALN	200.00	0.0901	1.00	CARBON	4/26/2022 11:32 PM	0.020	5.219	5.239	bl	23 354	7 186 580	239 986	1.0000	0.9540



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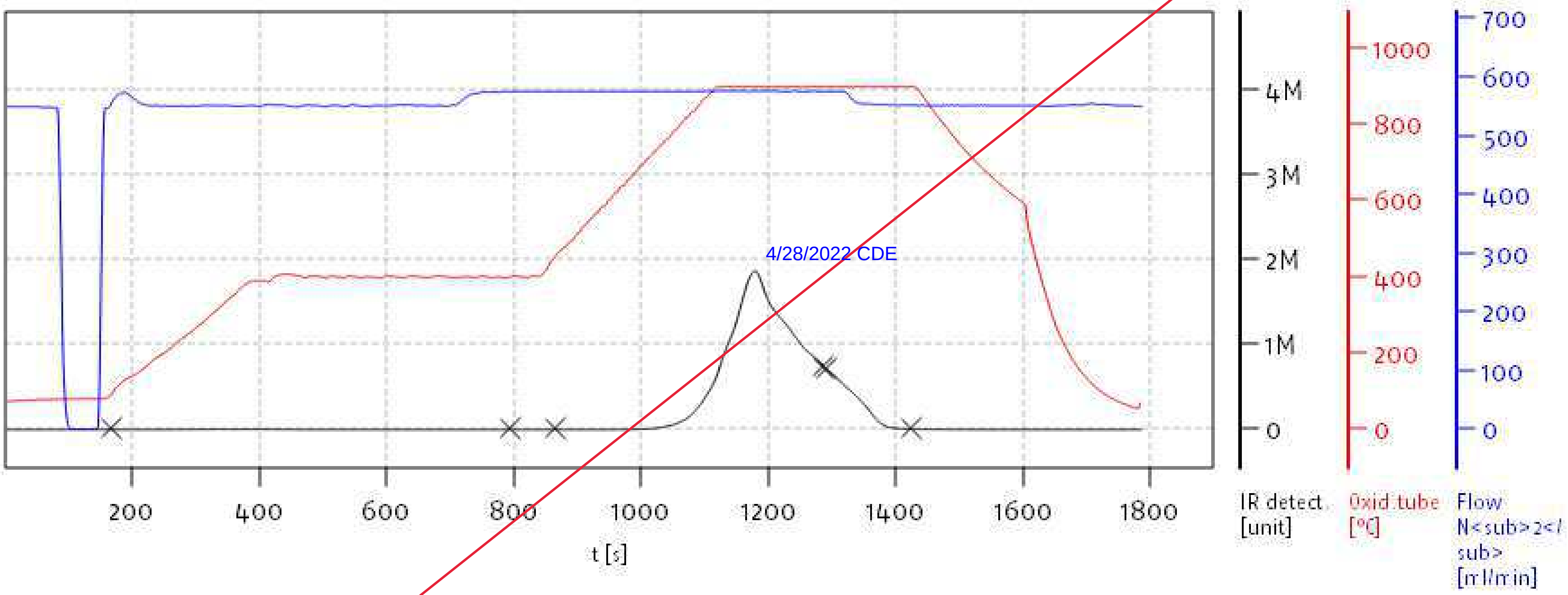
Soli TOC Cube, Carbon
Balance: BAL3
Analyst: DOE

	Pos.	Name	Weight [mg]	Memo	Dilut. Factor	Method	Date Time	TOC [%]	TIC900 [%]	TC [%]	Info	TOC400 Area	TIC900 Area	ROC Area	TOC400 Factor	TIC900 Factor
26	26	SEQ-CALO	200.00	0.1200	1.00	CARBON	4/27/2022 12:02 AM	0.019	7.915	7.934	bl,C3o	21 248	8 544 610	1 334 580	1.0000	1.0714



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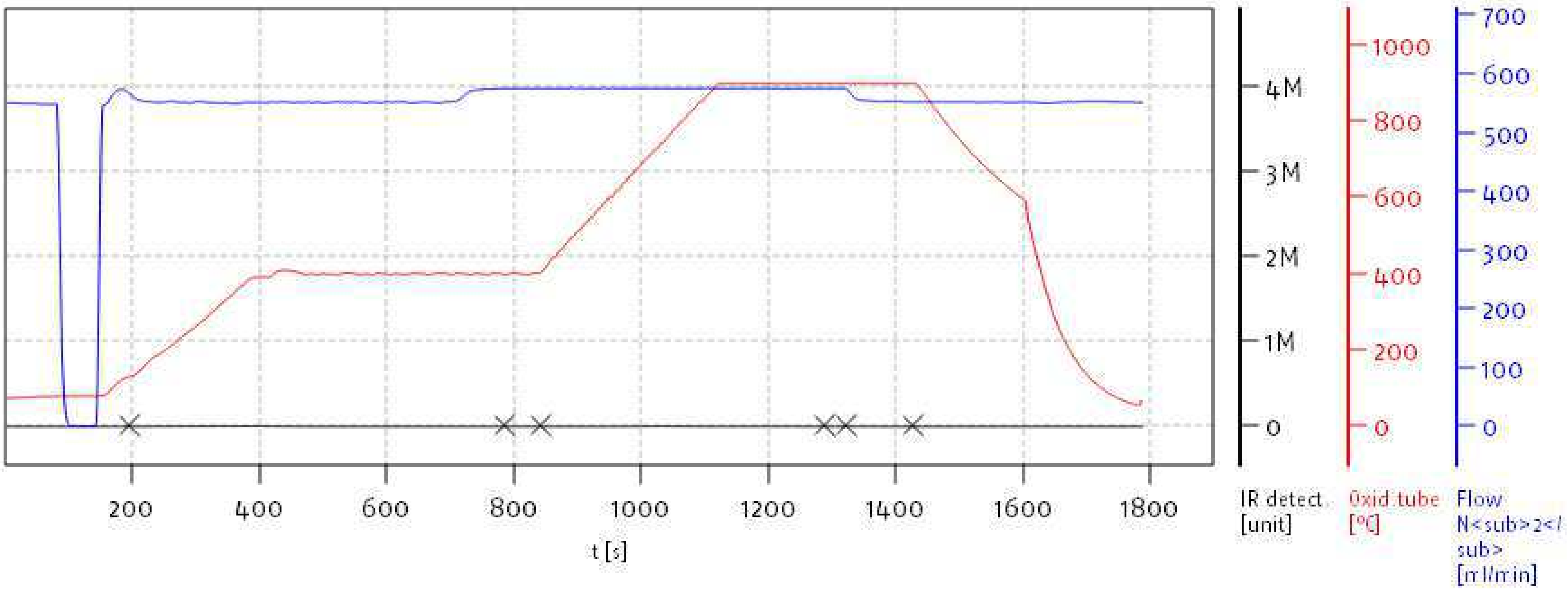
Balance: BAL3
Analyst: DOE

	Pos.	Name	Weight [mg]	Memo	Dilut. Factor	Method	Date Time	TOC [%]	TIC900 [%]	TC [%]	Info	TOC400 Area	TIC900 Area	ROC Area	TOC400 Factor	TIC900 Factor
27	27	BLANK	1.00		1.00	CARBON	4/27/2022 12:32 AM	0.000	0.000	0.000	bl	29 766	19 596	1 205	1.0000	0.9007



Name:

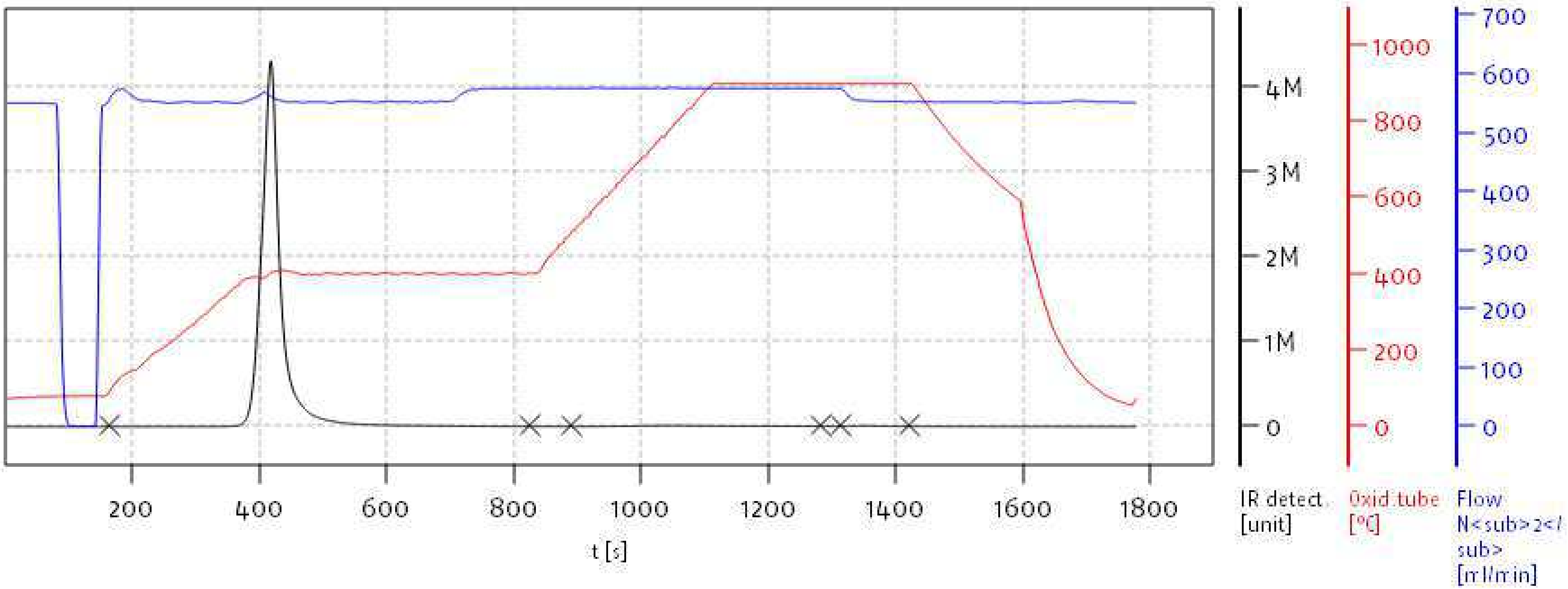
Access: soliTOC superuser

Date: Wed Apr 27 11:07:12 2022

soliTOC V2.0.2 (31015f9) 2018-11-19
Serial No: 0300.181017
Mode CCC

Soli TOC Cube, Carbon
Balance: BAL3
Analyst: DOE

	Pos.	Name	Weight [mg]	Memo	Dilut. Factor	Method	Date Time	TOC [%]	TIC900 [%]	TC [%]	Info	TOC400 Area	TIC900 Area	ROC Area	TOC400 Factor	TIC900 Factor
28	28	Dfactor	19.00		1.00	CARBON	4/27/2022 1:02 AM	44.678	0.893	45.571	bl	5 588 680	104 999	25 384	0.9581	1.0000



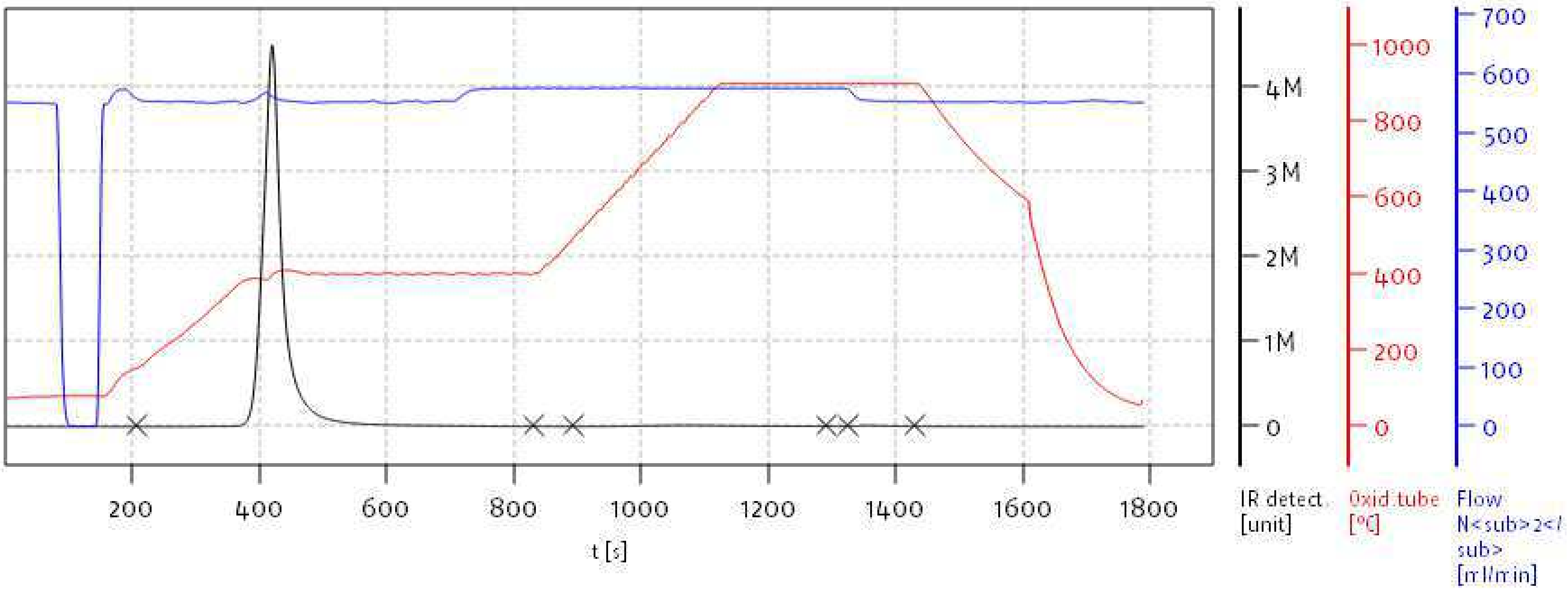
Name:

Access: soliTOC superuser

Date: Wed Apr 27 11:07:12 2022

soliTOC V2.0.2 (31015f9) 2018-11-19
Serial No: 0300.181017
Mode CCC

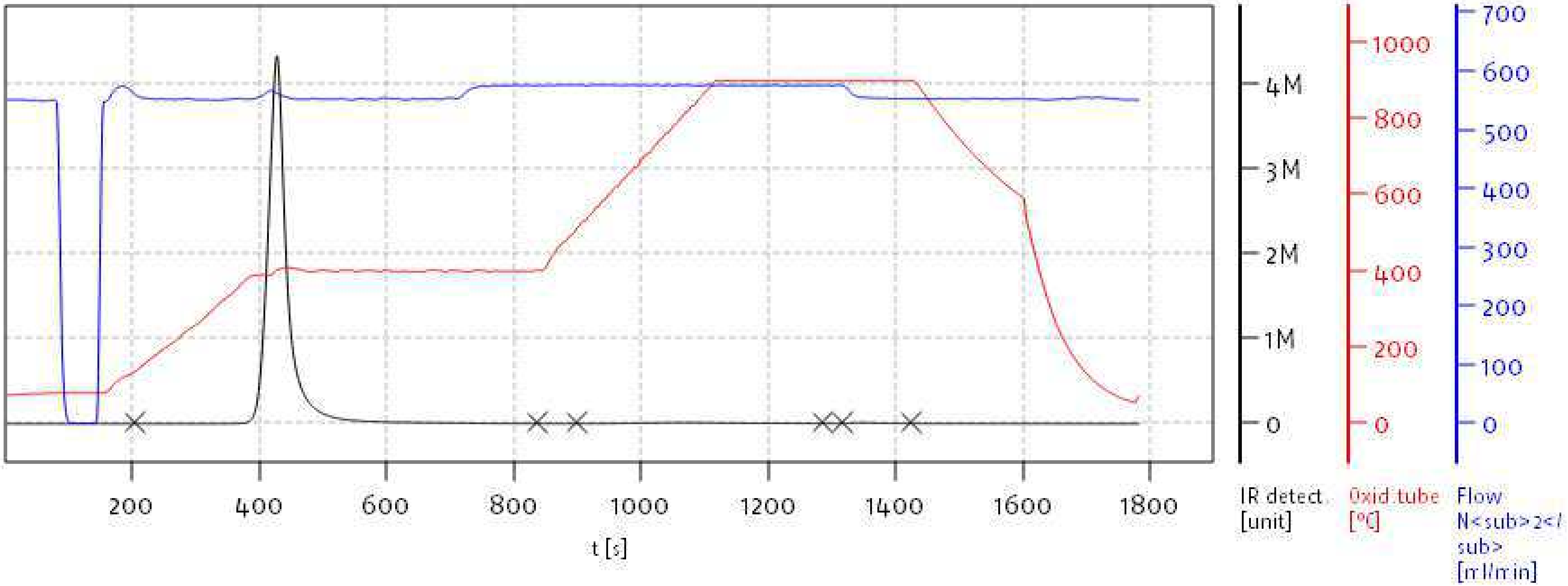
	Pos.	Name	Weight [mg]	Memo	Dilut. Factor	Meth od	Date Time	TOC [%]	TIC900 [%]	TC [%]	Info	TOC400 Area	TIC900 Area	ROC Area	TOC400 Factor	TIC900 Factor
29	29	Dfact or	20.80		1.00	CARB ON	4/ 27/2022 1:32 AM	44.694	0.937	45.631	bl	6 076 750	120 961	30 224	0.9647	1.0000



Soli TOC Cube, Carbon
Balance: BAL3
Analyst: DOE

Analytical Resources, Incorporated
Analytical Chemists and Consultants

	Pos.	Name	Weight [mg]	Memo	Dilut. Factor	Method	Date Time	TOC [%]	TIC900 [%]	TC [%]	Info	TOC400 Area	TIC900 Area	ROC Area	TOC400 Factor	TIC900 Factor
30	30	SEQ-ICV1	19.40		1.00	CARBON	4/27/2022 2:03 AM	44.964	0.742	45.706	bl	5 722 450	98 735	27 054	0.9614	0.9007



Name:

Access: soliTOC superuser

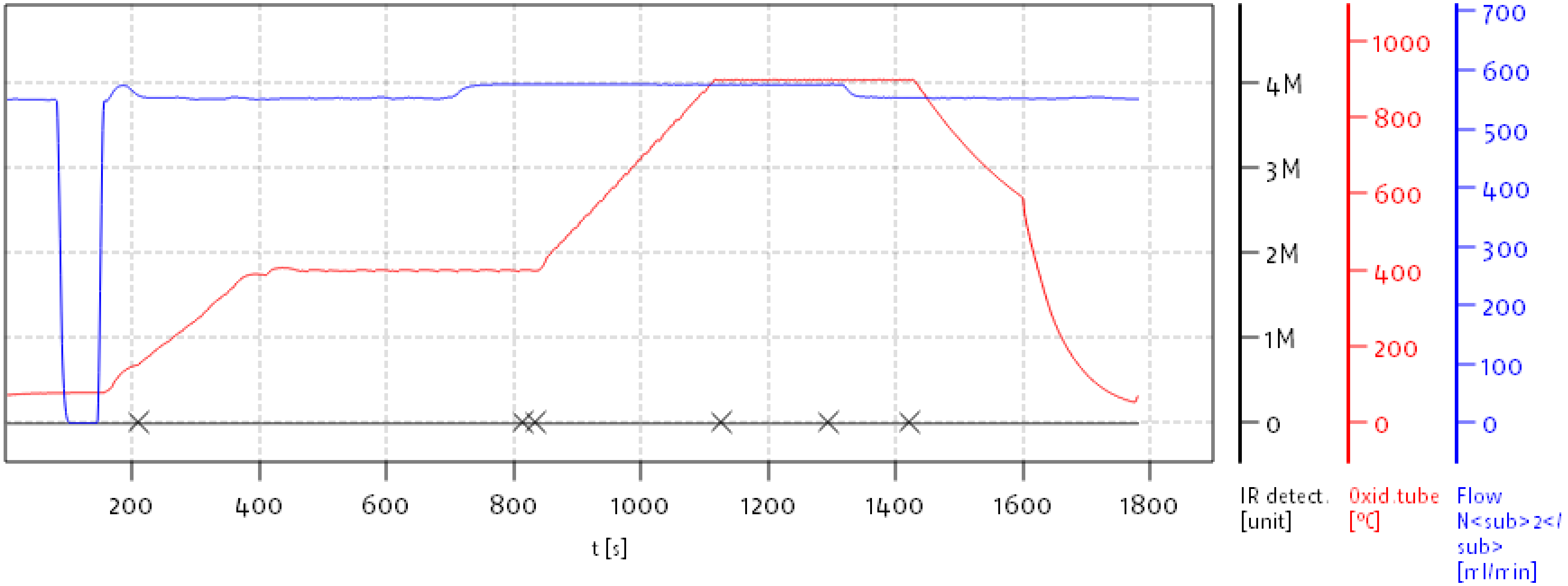
Date: Wed Apr 27 11:07:12 2022

soliTOC V2.0.2 (31015f9) 2018-11-19
Serial No: 0300.181017
Mode CCC

elementar
EXCELLENCE IN ELEMENTS

Soli TOC Cube, Carbon
Balance: BAL3
Analyst: DOE

	Pos.	Name	Weight [mg]	Memo	Dilut. Factor	Method	Date Time	TOC [%]	TIC900 [%]	TC [%]	Info	TOC400 Area	TIC900 Area	ROC Area	TOC400 Factor	TIC900 Factor
31	31	SEQ-ICB1	501.10		1.00	CARBON	4/27/2022 2:33 AM	0.002	0.001	0.003	bl,C1u,C3u,C2u	2 158	225	165	0.9614	0.9007



Name:

Access: soliTOC superuser

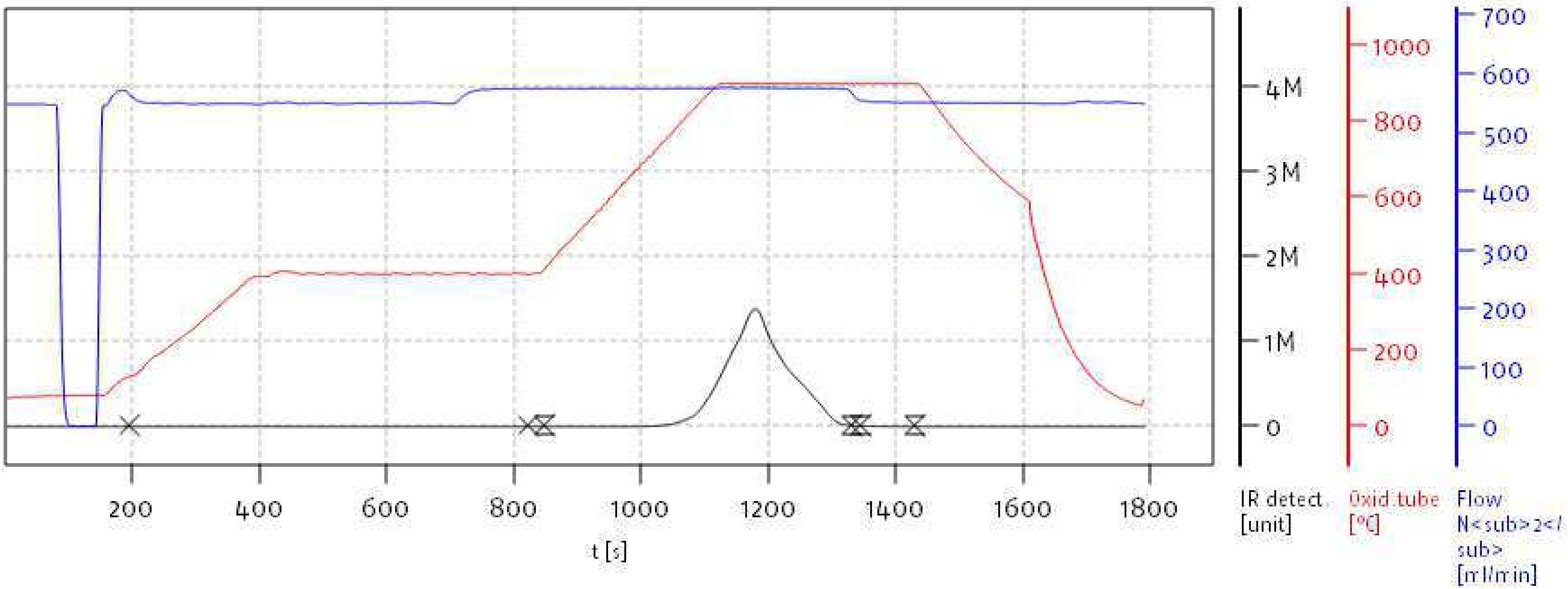
Date: Wed Apr 27 11:07:12 2022

soliTOC V2.0.2 (31015f9) 2018-11-19
Serial No: 0300.181017
Mode CCC

Soli TOC Cube, Carbon
Balance: BAL3
Analyst: DOE

Analytical Resources, Incorporated
Analytical Chemists and Consultants

	Pos.	Name	Weight [mg]	Memo	Dilut. Factor	Method	Date Time	TOC [%]	TIC900 [%]	TC [%]	Info	TOC400 Area	TIC900 Area	ROC Area	TOC400 Factor	TIC900 Factor
23	23	SEQ-CALL	200.00	0.0698	1.00	CARBON	4/27/2022 11:08 AM	0.005	3.917	3.922	bl,C1u	3 605	**5 260 365**	**0**	1.0000	0.9443



Name:

Access: soliTOC superuser

Date: Wed Apr 27 11:10:16 2022

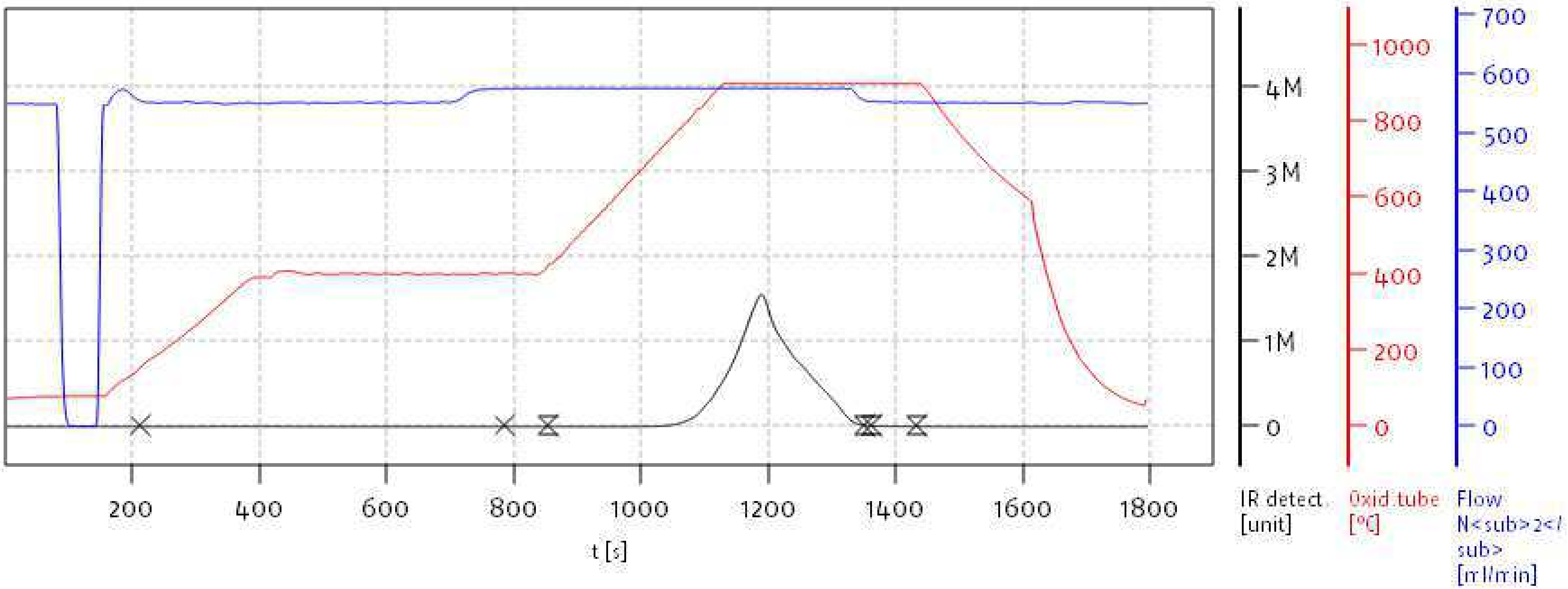
soliTOC V2.0.2 (31015f9) 2018-11-19
Serial No: 0300.181017
Mode CCC

EXCELLENCE IN ELEMENTS

Document: 042622 DOE CALIBRATION from: --.--.-- (modified)

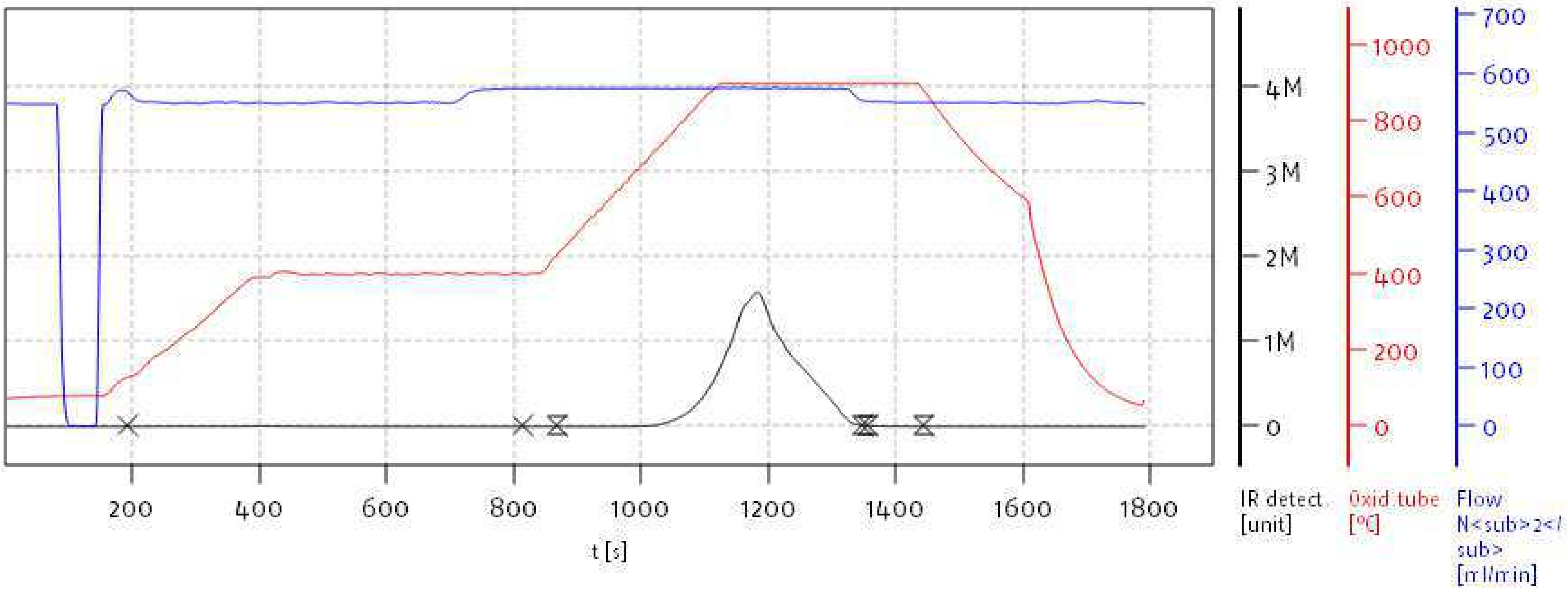
Soli TOC Cube, Carbon
Balance: BAL3
Analyst: DOE

	Pos.	Name	Weight [mg]	Memo	Dilut. Factor	Method	Date Time	TOC [%]	TIC900 [%]	TC [%]	Info	TOC400 Area	TIC900 Area	ROC Area	TOC400 Factor	TIC900 Factor
24	24	SEQ-CALM	200.00	0.0803	1.00	CARBON	4/27/2022 11:08 AM	0.010	4.637	4.647	bl	10 023	**6 164 833**	**0**	1.0000	0.9539

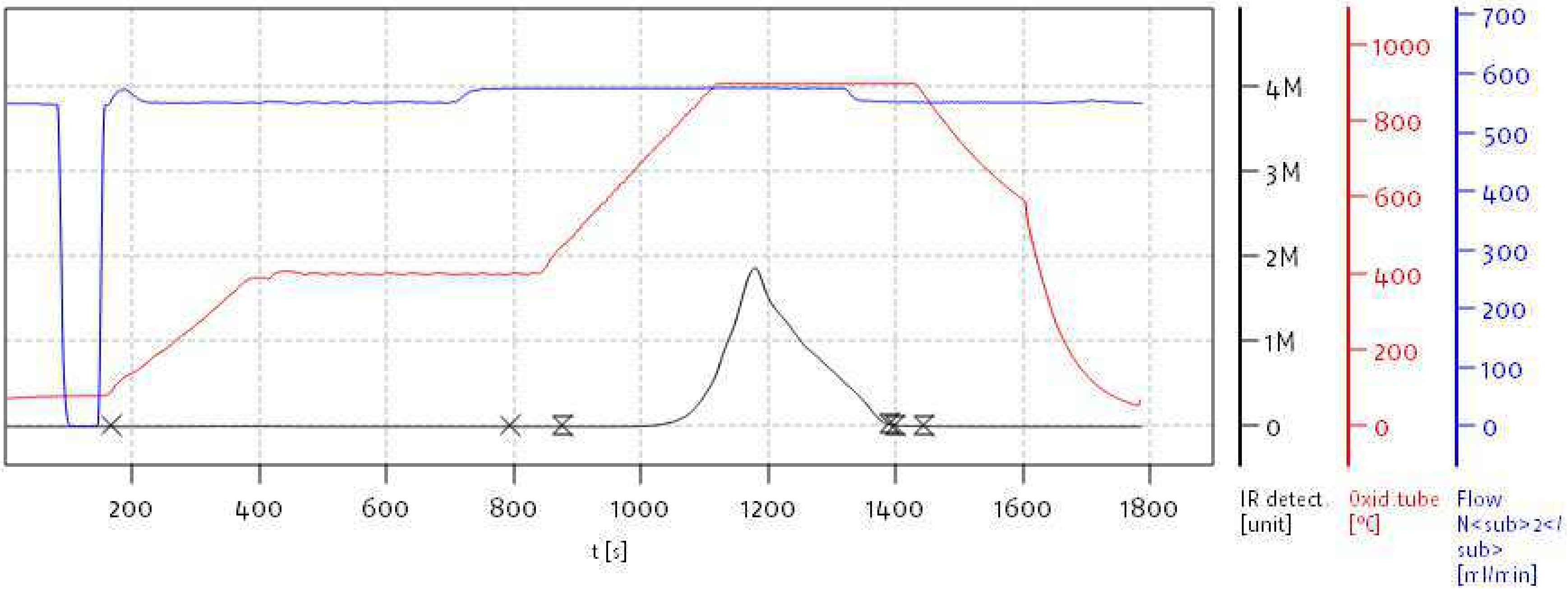


Soli TOC Cube, Carbon
Balance: BAL3
Analyst: DOE

	Pos.	Name	Weight [mg]	Memo	Dilut. Factor	Method	Date Time	TOC [%]	TIC900 [%]	TC [%]	Info	TOC400 Area	TIC900 Area	ROC Area	TOC400 Factor	TIC900 Factor
25	25	SEQ-CALN	200.00	0.0901	1.00	CARBON	4/27/2022 11:09 AM	0.020	5.219	5.239	bl	23 354	**6 937 833**	**0**	1.0000	0.9540



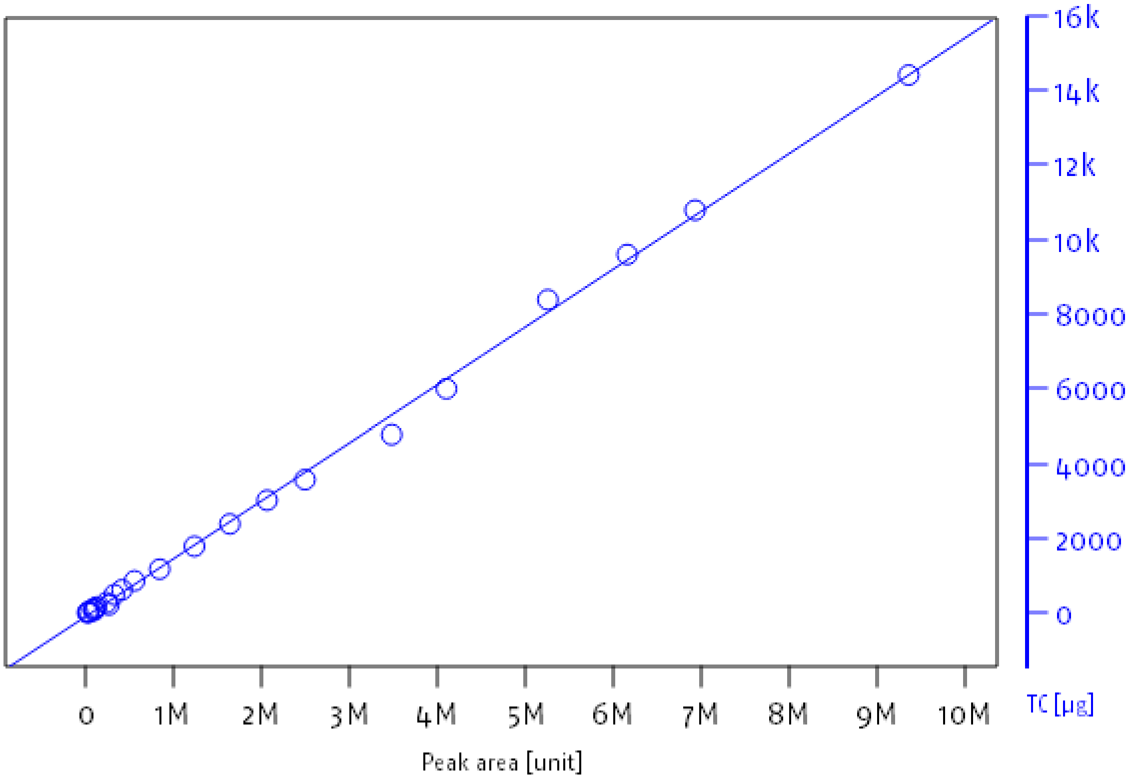
	Pos.	Name	Weight [mg]	Memo	Dilut. Factor	Method	Date Time	TOC [%]	TIC900 [%]	TC [%]	Info	TOC400 Area	TIC900 Area	ROC Area	TOC400 Factor	TIC900 Factor
26	26	SEQ-CALO	200.00	0.1200	1.00	CARBON	4/27/2022 11:09 AM	0.019	7.915	7.934	bl,C3o	21 248	9 370 139	0	1.0000	1.0714



Calibration parameters TC, Whole range

a	-4.107546e-02
b	+1.548032e-06
c	+0.000000e+00
d	+0.000000e+00
e	+0.000000e+00
r	0.998372
r_old	0.998372
Proc.-SD	166.070255 µg

Calibration graph TC, Whole range



Name:

Access: soliTOC superuser

Date: Wed Apr 27 11:19:56 2022

soliTOC V2.0.2 (31015f9) 2018-11-19
Serial No: 0300.181017
Mode CCC

INSTRUMENT BLANKS
EPA 9060A m

Laboratory: Analytical Resources, LLC
SDG: 22L0307
Client: Anchor QEA, LLC
Project: AOC4 UR Phase 3
Instrument ID: TOC Cube
Calibration: FD00070
Sequence: SKD0371
Date Analyzed: 04/27/22 02:33

Lab Sample ID	Analyte	Found	MDL	MRL	Units	C
SKD0371-ICB1	Total Organic Carbon	0.00	0.02	0.02	%	

INSTRUMENT BLANKS
EPA 9060A m

Laboratory:	Analytical Resources, LLC	SDG:	22L0307
Client:	Anchor QEA, LLC	Project:	AOC4 UR Phase 3
Instrument ID:	TOC Cube	Calibration:	FD00070
Sequence:	SKL0300	Date Analyzed:	12/26/22 17:34

Lab Sample ID	Analyte	Found	MDL	MRL	Units	C
SKL0300-ICB1	Total Organic Carbon	0.00	0.02	0.02	%	
SKL0300-CCB1	Total Organic Carbon	0.00	0.02	0.02	%	
SKL0300-CCB2	Total Organic Carbon	0.00	0.02	0.02	%	
SKL0300-CCB3	Total Organic Carbon	0.00	0.02	0.02	%	
SKL0300-CCB4	Total Organic Carbon	0.00	0.02	0.02	%	
SKL0300-CCB5	Total Organic Carbon	0.00	0.02	0.02	%	
SKL0300-CCB6	Total Organic Carbon	0.00	0.02	0.02	%	
SKL0300-CCB7	Total Organic Carbon	0.00	0.02	0.02	%	

INSTRUMENT BLANKS
EPA 9060A m

Laboratory:	Analytical Resources, LLC	SDG:	22L0307
Client:	Anchor QEA, LLC	Project:	AOC4 UR Phase 3
Instrument ID:	TOC Cube	Calibration:	FD00070
Sequence:	SKL0311	Date Analyzed:	12/24/22 13:21

Lab Sample ID	Analyte	Found	MDL	MRL	Units	C
SKL0311-ICB1	Total Organic Carbon	0.00	0.02	0.02	%	
SKL0311-CCB1	Total Organic Carbon	0.00	0.02	0.02	%	
SKL0311-CCB2	Total Organic Carbon	0.00	0.02	0.02	%	
SKL0311-CCB3	Total Organic Carbon	0.00	0.02	0.02	%	
SKL0311-CCB4	Total Organic Carbon	0.00	0.02	0.02	%	
SKL0311-CCB5	Total Organic Carbon	0.00	0.02	0.02	%	
SKL0311-CCB6	Total Organic Carbon	0.00	0.02	0.02	%	
SKL0311-CCB7	Total Organic Carbon	0.00	0.02	0.02	%	

INSTRUMENT BLANKS
EPA 9060A m

Laboratory:	Analytical Resources, LLC	SDG:	22L0307
Client:	Anchor QEA, LLC	Project:	AOC4 UR Phase 3
Instrument ID:	TOC Cube	Calibration:	FD00070
Sequence:	SKL0336	Date Analyzed:	01/01/23 06:00

Lab Sample ID	Analyte	Found	MDL	MRL	Units	C
SKL0336-CCBE	Total Organic Carbon	0.00	0.02	0.02	%	
SKL0336-CCBF	Total Organic Carbon	0.00	0.02	0.02	%	
SKL0336-CCBG	Total Organic Carbon	0.00	0.02	0.02	%	
SKL0336-ICB1	Total Organic Carbon	0.00	0.02	0.02	%	
SKL0336-CCB1	Total Organic Carbon	0.00	0.02	0.02	%	
SKL0336-CCB2	Total Organic Carbon	0.00	0.02	0.02	%	
SKL0336-CCB3	Total Organic Carbon	0.00	0.02	0.02	%	
SKL0336-CCB4	Total Organic Carbon	0.00	0.02	0.02	%	
SKL0336-CCB5	Total Organic Carbon	0.00	0.02	0.02	%	
SKL0336-CCB6	Total Organic Carbon	0.00	0.02	0.02	%	
SKL0336-CCB7	Total Organic Carbon	0.00	0.02	0.02	%	
SKL0336-CCB8	Total Organic Carbon	0.00	0.02	0.02	%	
SKL0336-CCB9	Total Organic Carbon	0.00	0.02	0.02	%	
SKL0336-CCBA	Total Organic Carbon	0.00	0.02	0.02	%	
SKL0336-CCBB	Total Organic Carbon	0.00	0.02	0.02	%	
SKL0336-CCBC	Total Organic Carbon	0.00	0.02	0.02	%	
SKL0336-CCBD	Total Organic Carbon	0.00	0.02	0.02	%	

INITIAL AND CONTINUING CALIBRATION CHECK

EPA 9060A m

Laboratory:	Analytical Resources, LLC	SDG:	22L0307
Client:	Anchor QEA, LLC	Project:	AOC4 UR Phase 3
Instrument ID:	TOC Cube	Calibration:	FD00070
Control Limt:	+/- 10.00%	Sequence:	SKD0371

Lab Sample ID	Analyte	True	Found	%R	Units	Method
SKD0371-ICV1	Total Organic Carbon	44.446	43.7	98.3	%	EPA 9060A m
	Total Carbon	44.446	44.1	99.2	%	EPA 9060A m
	Total Inorganic Carbon	0.0000	0.40		%	EPA 9060A m
	% Soot	0.0000	0.004		%	EPA 9060A m

* Values outside of QC limits

INITIAL AND CONTINUING CALIBRATION CHECK

EPA 9060A m

Laboratory:	Analytical Resources, LLC	SDG:	22L0307
Client:	Anchor QEA, LLC	Project:	AOC4 UR Phase 3
Instrument ID:	TOC Cube	Calibration:	FD00070
Control Limt:	+/- 10.00%	Sequence:	SKL0300

Lab Sample ID	Analyte	True	Found	%R	Units	Method
SKL0300-ICV1	Total Organic Carbon	44.446	45.4	102	%	EPA 9060A m
SKL0300-CCV1	Total Organic Carbon	44.446	41.8	94.1	%	EPA 9060A m
SKL0300-CCV2	Total Organic Carbon	44.446	45.5	102	%	EPA 9060A m
SKL0300-CCV3	Total Organic Carbon	44.446	45.4	102	%	EPA 9060A m
SKL0300-CCV4	Total Organic Carbon	44.446	44.1	99.3	%	EPA 9060A m
SKL0300-CCV5	Total Organic Carbon	44.446	44.9	101	%	EPA 9060A m
SKL0300-CCV6	Total Organic Carbon	44.446	44.1	99.2	%	EPA 9060A m
SKL0300-CCV7	Total Organic Carbon	44.446	44.2	99.4	%	EPA 9060A m

* Values outside of QC limits

INITIAL AND CONTINUING CALIBRATION CHECK

EPA 9060A m

Laboratory: Analytical Resources, LLC

Client: Anchor QEA, LLC

Instrument ID: TOC Cube

Control Limt: +/- 10.00%

SDG: 22L0307

Project: AOC4 UR Phase 3

Calibration: FD00070

Sequence: SKL0311

Lab Sample ID	Analyte	True	Found	%R	Units	Method
SKL0311-ICV1	Total Organic Carbon	44.446	43.6	98.0	%	EPA 9060A m
SKL0311-CCV1	Total Organic Carbon	44.446	44.4	99.8	%	EPA 9060A m
SKL0311-CCV2	Total Organic Carbon	44.446	44.3	99.8	%	EPA 9060A m
SKL0311-CCV3	Total Organic Carbon	44.446	43.6	98.1	%	EPA 9060A m
SKL0311-CCV4	Total Organic Carbon	44.446	44.4	99.8	%	EPA 9060A m
SKL0311-CCV5	Total Organic Carbon	44.446	45.0	101	%	EPA 9060A m
SKL0311-CCV6	Total Organic Carbon	44.446	45.2	102	%	EPA 9060A m
SKL0311-CCV7	Total Organic Carbon	44.446	44.6	100	%	EPA 9060A m

* Values outside of QC limits

INITIAL AND CONTINUING CALIBRATION CHECK

EPA 9060A m

Laboratory: Analytical Resources, LLC

Client: Anchor QEA, LLC

Instrument ID: TOC Cube

Control Limt: +/- 10.00%

SDG: 22L0307

Project: AOC4 UR Phase 3

Calibration: FD00070

Sequence: SKL0336

Lab Sample ID	Analyte	True	Found	%R	Units	Method
SKL0336-CCVE	Total Organic Carbon	44.446	43.3	97.5	%	EPA 9060A m
SKL0336-CCVF	Total Organic Carbon	44.446	43.9	98.8	%	EPA 9060A m
SKL0336-CCVG	Total Organic Carbon	44.446	44.1	99.2	%	EPA 9060A m
SKL0336-ICV1	Total Organic Carbon	44.446	44.5	100	%	EPA 9060A m
SKL0336-CCV1	Total Organic Carbon	44.446	44.1	99.3	%	EPA 9060A m
SKL0336-CCV2	Total Organic Carbon	44.446	44.1	99.3	%	EPA 9060A m
SKL0336-CCV3	Total Organic Carbon	44.446	44.8	101	%	EPA 9060A m
SKL0336-CCV4	Total Organic Carbon	44.446	45.5	102	%	EPA 9060A m
SKL0336-CCV5	Total Organic Carbon	44.446	45.3	102	%	EPA 9060A m
SKL0336-CCV6	Total Organic Carbon	44.446	45.0	101	%	EPA 9060A m
SKL0336-CCV7	Total Organic Carbon	44.446	46.1	104	%	EPA 9060A m
SKL0336-CCV8	Total Organic Carbon	44.446	43.8	98.5	%	EPA 9060A m
SKL0336-CCV9	Total Organic Carbon	44.446	44.4	99.9	%	EPA 9060A m
SKL0336-CCVA	Total Organic Carbon	44.446	44.7	100	%	EPA 9060A m
SKL0336-CCVB	Total Organic Carbon	44.446	44.3	99.6	%	EPA 9060A m
SKL0336-CCVC	Total Organic Carbon	44.446	44.2	99.4	%	EPA 9060A m
SKL0336-CCVD	Total Organic Carbon	44.446	44.3	99.8	%	EPA 9060A m

* Values outside of QC limits

STANDARD REFERENCE MATERIAL RECOVERY

EPA 9060A m

Laboratory:	Analytical Resources, LLC	**SDG:**	22L0307
Client:	Anchor QEA, LLC	**Project:**	AOC4 UR Phase 3
Matrix:	Solid	**Laboratory ID:**	BKL0504-SRM1
Batch:	BKL0504	**Initial/Final:**	0.31 g / 0.31 g
Preparation:	Plumb 1981	**Analyzed:**	12/25/2022 17:45
Standard ID:	K011448	**Expires:**	12/31/2079
Standard Lot#:	NA	**Description:**	1941B - Organics in Marine Sediment (Conv

ANALYTE	TRUE (% wet)	FOUND (% wet)	MDL	MRL	Q	SRM % REC.	QC LIMITS REC.
Total Organic Carbon	2.9900	2.98	0.02	0.02		99.8	80 - 120

* Values outside of QC limits

STANDARD REFERENCE MATERIAL RECOVERY

EPA 9060A m

Laboratory:	Analytical Resources, LLC	**SDG:**	22L0307
Client:	Anchor QEA, LLC	**Project:**	AOC4 UR Phase 3
Matrix:	Solid	**Laboratory ID:**	BKL0573-SRM1
Batch:	BKL0573	**Initial/Final:**	0.2942 g / 0.2942 g
Preparation:	Plumb 1981	**Analyzed:**	12/26/2022 19:36
Standard ID:	K011448	**Expires:**	12/31/2079
Standard Lot#:	NA	**Description:**	1941B - Organics in Marine Sediment (Conv

ANALYTE	TRUE (% wet)	FOUND (% wet)	MDL	MRL	Q	SRM % REC.	QC LIMITS REC.
Total Organic Carbon	2.9900	3.04	0.02	0.02		102	80 - 120

* Values outside of QC limits

STANDARD REFERENCE MATERIAL RECOVERY

EPA 9060A m

Laboratory:	Analytical Resources, LLC	**SDG:**	22L0307
Client:	Anchor QEA, LLC	**Project:**	AOC4 UR Phase 3
Matrix:	Solid	**Laboratory ID:**	BKL0574-SRM1
Batch:	BKL0574	**Initial/Final:**	0.3007 g / 0.3007 g
Preparation:	Plumb 1981	**Analyzed:**	12/27/2022 10:55
Standard ID:	K011448	**Expires:**	12/31/2079
Standard Lot#:	NA	**Description:**	1941B - Organics in Marine Sediment (Conv

ANALYTE	TRUE (% wet)	FOUND (% wet)	MDL	MRL	Q	SRM % REC.	QC LIMITS REC.
Total Organic Carbon	2.9900	3.03	0.02	0.02		101	80 - 120

* Values outside of QC limits

STANDARD REFERENCE MATERIAL RECOVERY

EPA 9060A m

Laboratory:	Analytical Resources, LLC	**SDG:**	22L0307
Client:	Anchor QEA, LLC	**Project:**	AOC4 UR Phase 3
Matrix:	Solid	**Laboratory ID:**	BKL0586-SRM1
Batch:	BKL0586	**Initial/Final:**	0.2909 g / 0.2909 g
Preparation:	Plumb 1981	**Analyzed:**	12/28/2022 4:45
Standard ID:	K011448	**Expires:**	12/31/2079
Standard Lot#:	NA	**Description:**	1941B - Organics in Marine Sediment (Conv

ANALYTE	TRUE (% wet)	FOUND (% wet)	MDL	MRL	Q	SRM % REC.	QC LIMITS REC.
Total Organic Carbon	2.9900	2.90	0.02	0.02		97.1	80 - 120

* Values outside of QC limits

STANDARD REFERENCE MATERIAL RECOVERY

EPA 9060A m

Laboratory: Analytical Resources, LLC
SDG: 22L0307
Client: Anchor QEA, LLC
Project: AOC4 UR Phase 3
Matrix: Solid
Laboratory ID: BKL0587-SRM1
Batch: BKL0587
Initial/Final: 0.312 g / 0.312 g
Preparation: Plumb 1981
Analyzed: 12/29/2022 1:06
Standard ID: K011789
Expires: 12/24/2023
Standard Lot#: NA
Description: 1941B - Organics in Marine Sediment (Conv

ANALYTE	TRUE (% wet)	FOUND (% wet)	MDL	MRL	Q	SRM % REC.	QC LIMITS REC.
Total Organic Carbon	2.9900	3.02	0.02	0.02		101	80 - 120

* Values outside of QC limits

HOLDING TIME SUMMARY

Analysis: EPA 9060A m

Laboratory: Analytical Resources, LLC
SDG: 22L0307
Client: Anchor QEA, LLC
Project: AOC4 UR Phase 3

Sample Name	Date Collected	Date Received	Date Prepared	Days to Prep	Max Days to Prep	Date Analyzed	Days to Analysis	Max Days to Analysis	Q
LDW22-IT793A 22L0307-01	12/12/22 08:26	12/12/22 16:42	12/22/22 10:30	10	14	12/25/22 22:19			
LDW22-IT793B 22L0307-02	12/12/22 08:26	12/12/22 16:42	12/22/22 10:30	10	14	12/25/22 22:50			
LDW22-IT793C 22L0307-03	12/12/22 08:26	12/12/22 16:42	12/22/22 10:30	10	14	12/25/22 23:20			
LDW22-IT793D 22L0307-04	12/12/22 08:26	12/12/22 16:42	12/22/22 10:30	10	14	12/25/22 23:51			
LDW22-IT793D-FD 22L0307-05	12/12/22 08:26	12/12/22 16:42	12/22/22 10:30	10	14	12/26/22 00:21			
LDW22-IT793E 22L0307-06	12/12/22 08:26	12/12/22 16:42	12/22/22 10:30	10	14	12/26/22 00:52			
LDW22-IT793F 22L0307-07	12/12/22 08:26	12/12/22 16:42	12/22/22 10:30	10	14	12/26/22 02:23			
LDW22-IT795B 22L0307-08	12/12/22 07:47	12/12/22 16:42	12/22/22 10:30	10	14	12/26/22 02:54			
LDW22-IT795C 22L0307-09	12/12/22 07:47	12/12/22 16:42	12/22/22 10:30	10	14	12/26/22 03:24			
LDW22-IT795C-FD 22L0307-10	12/12/22 07:47	12/12/22 16:42	12/22/22 10:30	10	14	12/26/22 03:55			
LDW22-IT795D 22L0307-11	12/12/22 07:47	12/12/22 16:42	12/22/22 10:30	10	14	12/26/22 04:25			
LDW22-IT795E 22L0307-12	12/12/22 07:47	12/12/22 16:42	12/22/22 10:30	10	14	12/26/22 04:56			
LDW22-IT795F 22L0307-13	12/12/22 07:47	12/12/22 16:42	12/22/22 10:30	10	14	12/26/22 05:27			
LDW22-IT795G 22L0307-14	12/12/22 07:47	12/12/22 16:42	12/22/22 10:30	10	14	12/26/22 05:58			
LDW22-IT806A 22L0307-15	12/12/22 08:35	12/12/22 16:42	12/22/22 10:30	10	14	12/26/22 06:28			
LDW22-IT806B 22L0307-16	12/12/22 08:35	12/12/22 16:42	12/22/22 10:30	10	14	12/26/22 06:59			
LDW22-IT806C 22L0307-17	12/12/22 08:35	12/12/22 16:42	12/24/22 10:30	12	14	12/27/22 04:47			
LDW22-IT806D 22L0307-18	12/12/22 08:35	12/12/22 16:42	12/24/22 10:30	12	14	12/27/22 07:20			
LDW22-IT806E 22L0307-19	12/12/22 08:35	12/12/22 16:42	12/24/22 10:30	12	14	12/27/22 07:51			
LDW22-IT806F 22L0307-20	12/12/22 08:35	12/12/22 16:42	12/24/22 10:30	12	14	12/27/22 08:22			
LDW22-SC750A 22L0307-21	12/12/22 09:26	12/12/22 16:42	12/24/22 10:30	12	14	12/27/22 08:53			
LDW22-SC750B 22L0307-22	12/12/22 09:26	12/12/22 16:42	12/24/22 11:30	12	14	12/27/22 12:28			

HOLDING TIME SUMMARY

Analysis: EPA 9060A m

Laboratory: Analytical Resources, LLC
SDG: 22L0307
Client: Anchor QEA, LLC
Project: AOC4 UR Phase 3

Sample Name	Date Collected	Date Received	Date Prepared	Days to Prep	Max Days to Prep	Date Analyzed	Days to Analysis	Max Days to Analysis	Q
LDW22-SC750C 22L0307-23	12/12/22 09:26	12/12/22 16:42	12/24/22 11:30	12	14	12/27/22 14:00			
LDW22-SC750D 22L0307-24	12/12/22 09:26	12/12/22 16:42	12/24/22 11:30	12	14	12/27/22 14:30			
LDW22-SC750E 22L0307-25	12/12/22 09:26	12/12/22 16:42	12/24/22 11:30	12	14	12/27/22 15:01			
LDW22-SC750F 22L0307-26	12/12/22 09:26	12/12/22 16:42	12/24/22 11:30	12	14	12/27/22 15:32			
LDW22-SC750G 22L0307-27	12/12/22 09:26	12/12/22 16:42	12/24/22 11:30	12	14	12/27/22 18:36			
LDW22-SC750H 22L0307-28	12/12/22 09:26	12/12/22 16:42	12/24/22 11:30	12	14	12/27/22 19:06			
LDW22-IT808A 22L0307-29	12/12/22 09:46	12/12/22 16:42	12/24/22 11:30	12	14	12/27/22 19:37			
LDW22-IT808B 22L0307-30	12/12/22 09:46	12/12/22 16:42	12/24/22 11:30	12	14	12/27/22 20:07			
LDW22-IT808C 22L0307-31	12/12/22 09:46	12/12/22 16:42	12/24/22 11:30	12	14	12/27/22 20:38			
LDW22-IT808D 22L0307-32	12/12/22 09:46	12/12/22 16:42	12/24/22 11:30	12	14	12/27/22 21:08			
LDW22-IT808E 22L0307-33	12/12/22 09:46	12/12/22 16:42	12/24/22 11:30	12	14	12/27/22 21:39			
LDW22-IT808F 22L0307-34	12/12/22 09:46	12/12/22 16:42	12/24/22 11:30	12	14	12/27/22 22:09			
LDW22-SC804B 22L0307-35	12/12/22 11:18	12/12/22 16:42	12/24/22 11:30	12	14	12/27/22 22:39			
LDW22-SC804C 22L0307-36	12/12/22 11:18	12/12/22 16:42	12/24/22 11:30	12	14	12/27/22 23:10			
LDW22-SC804D 22L0307-37	12/12/22 11:18	12/12/22 16:42	12/24/22 11:30	12	14	12/28/22 00:41			
LDW22-SC804E 22L0307-38	12/12/22 11:18	12/12/22 16:42	12/24/22 11:30	12	14	12/28/22 01:11			
LDW22-SC804F 22L0307-39	12/12/22 11:18	12/12/22 16:42	12/24/22 11:30	12	14	12/28/22 01:42			
LDW22-SC804F-FD 22L0307-40	12/12/22 11:18	12/12/22 16:42	12/24/22 11:30	12	14	12/28/22 02:12			
LDW22-SC804G 22L0307-41	12/12/22 11:18	12/12/22 16:42	12/24/22 11:30	12	14	12/28/22 02:43			
LDW22-SC804H 22L0307-42	12/12/22 11:18	12/12/22 16:42	12/24/22 12:40	12	14	12/28/22 05:16			
LDW22-SC752A 22L0307-43	12/12/22 11:01	12/12/22 16:42	12/24/22 12:40	12	14	12/28/22 07:48			
LDW22-SC752B 22L0307-44	12/12/22 11:01	12/12/22 16:42	12/24/22 12:40	12	14	12/28/22 08:19			

HOLDING TIME SUMMARY

Analysis: EPA 9060A m

Laboratory:	Analytical Resources, LLC	SDG:	22L0307
Client:	Anchor QEA, LLC	Project:	AOC4 UR Phase 3

Sample Name	Date Collected	Date Received	Date Prepared	Days to Prep	Max Days to Prep	Date Analyzed	Days to Analysis	Max Days to Analysis	Q
LDW22-SC752C 22L0307-45	12/12/22 11:01	12/12/22 16:42	12/24/22 12:40	12	14	12/28/22 08:49			
LDW22-SC752D 22L0307-46	12/12/22 11:01	12/12/22 16:42	12/24/22 12:40	12	14	12/28/22 09:20			
LDW22-SC752E 22L0307-47	12/12/22 11:01	12/12/22 16:42	12/24/22 12:40	12	14	12/28/22 09:51			
LDW22-SC752F 22L0307-48	12/12/22 11:01	12/12/22 16:42	12/24/22 12:40	12	14	12/28/22 10:22			
LDW22-SC752G 22L0307-49	12/12/22 11:01	12/12/22 16:42	12/24/22 12:40	12	14	12/28/22 10:52			
LDW22-SC752H 22L0307-50	12/12/22 11:01	12/12/22 16:42	12/24/22 12:40	12	14	12/28/22 11:23			
LDW22-SC752B-FD 22L0307-51	12/12/22 11:01	12/12/22 16:42	12/24/22 12:40	12	14	12/28/22 16:58			
LDW22-SC800A 22L0307-52	12/12/22 12:14	12/12/22 16:42	12/24/22 12:40	12	14	12/28/22 17:28			
LDW22-SC800B 22L0307-53	12/12/22 12:14	12/12/22 16:42	12/24/22 12:40	12	14	12/28/22 17:59			
LDW22-SC800C 22L0307-54	12/12/22 12:14	12/12/22 16:42	12/24/22 12:40	12	14	12/28/22 18:29			
LDW22-SC800D 22L0307-55	12/12/22 12:14	12/12/22 16:42	12/24/22 12:40	12	14	12/28/22 19:00			
LDW22-SC800E 22L0307-56	12/12/22 12:14	12/12/22 16:42	12/24/22 12:40	12	14	12/28/22 19:30			
LDW22-SC800F 22L0307-57	12/12/22 12:14	12/12/22 16:42	12/24/22 12:40	12	14	12/28/22 20:01			
LDW22-SC800G 22L0307-58	12/12/22 12:14	12/12/22 16:42	12/24/22 12:40	12	14	12/28/22 20:31			
LDW22-SC800H 22L0307-59	12/12/22 12:14	12/12/22 16:42	12/24/22 12:40	12	14	12/28/22 21:01			
LDW22-SC783B 22L0307-60	12/12/22 12:59	12/12/22 16:42	12/24/22 12:40	11	14	12/28/22 21:32			
LDW22-SC783C 22L0307-61	12/12/22 12:59	12/12/22 16:42	12/24/22 12:40	11	14	12/28/22 23:03			
LDW22-SC783D 22L0307-62	12/12/22 12:59	12/12/22 16:42	12/26/22 14:10	14	14	12/29/22 01:36			
LDW22-SC783E 22L0307-63	12/12/22 12:59	12/12/22 16:42	12/26/22 14:10	14	14	12/29/22 03:08			
LDW22-SC783F 22L0307-64	12/12/22 12:59	12/12/22 16:42	12/26/22 14:10	14	14	12/29/22 03:38			
LDW22-SC783G 22L0307-65	12/12/22 12:59	12/12/22 16:42	12/26/22 14:10	14	14	12/29/22 05:10			
LDW22-SC783H 22L0307-66	12/12/22 12:59	12/12/22 16:42	12/26/22 14:10	14	14	12/29/22 05:40			

HOLDING TIME SUMMARY

Analysis: EPA 9060A m

Laboratory:	Analytical Resources, LLC	SDG:	22L0307
Client:	Anchor QEA, LLC	Project:	AOC4 UR Phase 3

Sample Name	Date Collected	Date Received	Date Prepared	Days to Prep	Max Days to Prep	Date Analyzed	Days to Analysis	Max Days to Analysis	Q
Duplicate BKL0573-DUP1	12/12/22 08:35	12/12/22 16:42	12/24/22 10:30	12	14	12/27/22 06:19			
Matrix Spike BKL0573-MS1	12/12/22 08:35	12/12/22 16:42	12/24/22 10:30	12	14	12/27/22 06:50			
Duplicate BKL0574-DUP1	12/12/22 09:26	12/12/22 16:42	12/24/22 11:30	12	14	12/27/22 12:58			
Matrix Spike BKL0574-MS1	12/12/22 09:26	12/12/22 16:42	12/24/22 11:30	12	14	12/27/22 13:29			
Duplicate BKL0586-DUP1	12/12/22 11:18	12/12/22 16:42	12/24/22 12:40	12	14	12/28/22 06:47			
Matrix Spike BKL0586-MS1	12/12/22 11:18	12/12/22 16:42	12/24/22 12:40	12	14	12/28/22 07:18			
Duplicate BKL0587-DUP1	12/12/22 12:59	12/12/22 16:42	12/26/22 14:10	14	14	12/29/22 02:07			
Matrix Spike BKL0587-MS1	12/12/22 12:59	12/12/22 16:42	12/26/22 14:10	14	14	12/29/22 02:37			

* Indicates hold time exceedance.

METHOD DETECTION AND REPORTING LIMITS

EPA 9060A m

Laboratory: Analytical Resources, LLC

SDG: 22L0307

Client: Anchor QEA, LLC

Project: AOC4 UR Phase 3

Matrix: Solid

Instrument: TOC Cube

Analyte	MDL	RL	Units
Total Organic Carbon	0.02	0.02	%

DEPARTMENT OF COMMERCE · UNITED STATES OF AMERICA

National Institute of Standards & Technology

Certificate of Analysis

Standard Reference Material® 1941b

Organics in Marine Sediment

This Standard Reference Material (SRM) is marine sediment collected at the mouth of the Baltimore (MD) Harbor. SRM 1941b is intended for use in evaluating analytical methods for the determination of selected polycyclic aromatic hydrocarbons (PAHs), polychlorinated biphenyl (PCB) congeners, and chlorinated pesticides in marine sediment and similar matrices. Information values are also provided for total organic carbon (TOC), total carbon, hydrogen, and nitrogen. All of the constituents for which certified, reference, and information values are provided in SRM 1941b were naturally present in the sediment before processing. A unit of SRM 1941b consists of a bottle containing 50 g of radiation-sterilized, freeze-dried sediment.

Certified Mass Fraction Values: Certified mass fraction values for PAHs, PCB congeners, and chlorinated pesticides are provided in Table 1 through Table 3. The certified values for the PAHs, PCB congeners, and chlorinated pesticides are based on the agreement of results obtained at NIST from two or more chemically independent analytical techniques along with results from an interlaboratory comparison study [1]. A NIST certified value is a value for which NIST has the highest confidence in its accuracy in that all known or suspected sources of bias have been investigated or taken into account [1].

Reference Mass Fraction Values: Reference mass fraction values for additional PAHs (some in combination), additional PCB congeners, and additional chlorinated pesticides are provided in Table 4 through Table 7. Reference values for alkylated PAH groups are provided in Table 8 and for selected hopanes and steranes in Table 9. A reference value for total organic carbon is provided in Table 10. Reference values are noncertified values that are the best estimate of the true value; however, the values do not meet the NIST criteria for certification and are provided with associated uncertainties that may reflect only measurement precision, may not include all sources of uncertainty, or may reflect a lack of sufficient statistical agreement among multiple analytical methods [1].

Information Mass Fraction Values: Information mass fraction values are provided in Table 11 for carbon, hydrogen, and nitrogen. An information value is considered to be a value that will be of use to the SRM user, but insufficient information is available to assess the uncertainty associated with the value [1]. Information values cannot be used to establish metrological traceability.

Expiration of Certification: The certification of **SRM 1941b** is valid, within the measurement uncertainty specified, until **01 October 2020**, provided the SRM is handled and stored in accordance with the instructions given in this certificate (see "Instructions for Handling, Storage, and Use"). This certification is nullified if the SRM is damaged, contaminated, or otherwise modified.

Maintenance of SRM Certification: NIST will monitor this SRM over the period of its certification. If substantive technical changes occur that affect the certification before the expiration of this certificate, NIST will notify the purchaser. Registration (see attached sheet or register online) will facilitate notification.

Coordination of the technical measurements leading to the certification of this material was under the leadership of M.M. Schantz and S.A. Wise of the NIST Chemical Sciences Division.

Analytical measurements for the certification of SRM 1941b were performed at NIST by J.R. Kucklick, B.J. Porter, D.L. Poster, M.M. Schantz, P. Schubert, S. Tutschku, and L.L. Yu of the NIST Chemical Sciences Division.

Carlos A. Gonzalez, Chief
Chemical Sciences Division

Gaithersburg, MD 20899
Certificate Issue Date: 16 January 2015

Robert L. Watters, Jr., Director
Office of Reference Materials

Measurements for TOC were provided by a commercial laboratory and T.L. Wade of the Geochemical and Environmental Research Group, Texas A&M University (College Station, TX). The carbon, hydrogen, and nitrogen data were provided by a commercial laboratory. Results for the PAHs, PCBs, and chlorinated pesticides from 38 laboratories (see Appendix A) that participated in an interlaboratory comparison exercise coordinated by NIST were used. Results for the alkylated PAH groups, hopanes, and steranes from 33 laboratories (see Appendix B) that participated in another interlaboratory comparison exercise coordinated by NIST were also used.

Collection and preparation of SRM 1941b were performed by M.P. Cronise and C.N. Fales of the NIST Office of Reference Materials and B.J. Porter and M.M. Schantz of the NIST Chemical Sciences Division. The sediment material was collected with the assistance of G.G. Lauenstein, J. Collier, and J. Lewis (National Oceanic and Atmospheric Administration, Silver Spring, MD).

Consultation on the statistical design of the experimental work and evaluation of the data were provided by S.D. Leigh and J.H. Yen of the NIST Statistical Engineering Division.

Support aspects involved in the issuance of this SRM were coordinated through the NIST Office of Reference Materials.

INSTRUCTIONS FOR HANDLING, STORAGE, AND USE

Handling: This material is naturally occurring marine sediment from an urban area and may contain constituents of unknown toxicities; therefore, caution and care should be exercised during its handling and use.

Storage: SRM 1941b must be stored in its original bottle at temperatures less than 30 °C and away from direct sunlight.

Use: Prior to removal of subsamples for analysis, the contents of the bottle should be mixed. The mass fractions of constituents in SRM 1941b are reported on a dry-mass basis. The SRM, as received, contains a mass fraction of approximately 2.4 % moisture (see "Conversion to Dry-Mass Basis"). The sediment sample should be dried to a constant mass before weighing for analysis; or a separate subsample of the sediment should be removed from the bottle at the time of analysis and dried to determine the mass fraction on a dry-mass basis. If the constituents of interest are volatile, then the moisture must be determined with a separate subsample.

PREPARATION AND ANALYSIS(1)

Sample Collection and Preparation: The sediment used to prepare this SRM was collected from the Chesapeake Bay at the mouth of the Baltimore (MD) Harbor near the Francis Scott Key Bridge (39°12.3'N and 76°31.4'W). This location is very near the site where SRM 1941 and SRM 1941a were collected. The sediment was collected using a Kynar-coated modified Van Veen-type grab sampler. A total of approximately 3300 kg of wet sediment was collected from the site. The sediment was freeze-dried, sieved at 150 µm (100 % passing), homogenized in a cone blender, radiation sterilized (^{60}Co), and then packaged in screw-capped amber glass bottles each containing approximately 50 g.

Conversion to Dry-Mass Basis: The results for the constituents in SRM 1941b are reported on a dry-mass basis; however, the material "as received" contains residual moisture. The amount of moisture in SRM 1941b was determined by measuring the mass loss after freeze-drying subsamples of 1.1 g to 1.3 g for four days at 1 Pa with a −10 °C shelf temperature and a −50 °C condenser temperature. The moisture content in SRM 1941b at the time of the certification analyses was 2.39 % ± 0.08 % (95 % confidence level). Analytical results for the organic constituents were determined on an as-received basis and then converted to a dry-mass basis by dividing by the conversion factor of 0.9761 (gram dry mass per gram as-received mass).

Polycyclic Aromatic Hydrocarbons: The general approach used for the value assignment of the PAHs in SRM 1941b was similar to that reported in detail elsewhere [2]. The approach consisted of combining results from analyses using various combinations of different extraction techniques and solvents, clean-up/isolation procedures, and chromatographic separation and detection techniques: Soxhlet extraction and pressurized-fluid extraction (PFE) using dichloromethane (DCM) or a hexane/acetone mixture, cleanup of the extracts using solid-phase extraction (SPE) or normal-phase liquid chromatography (LC), followed by analysis using the following techniques: (1) reversed-phase liquid chromatography with fluorescence detection (LC-FL) analysis of the total PAH fraction, (2) reversed-phase

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(1) Certain commercial equipment, instruments or materials are identified in this certificate to adequately specify the experimental procedure. Such identification does not imply recommendation or endorsement by the National Institute of Standards

LC-FL analysis of isomeric PAH fractions isolated by normal-phase LC (i.e., multidimensional LC), (3) gas chromatography/mass spectrometry (GC/MS) analysis of the PAH fraction on three stationary phases of different selectivity, i.e., a 5 % (all column compositions are given as mole fractions in %) phenyl-substituted methylpolysiloxane phase, a 50 % phenyl-substituted methylpolysiloxane phase, and a relatively non-polar proprietary phase.

Three sets of GC/MS results, designated as GC/MS (I), GC/MS (II), and GC/MS (III), were obtained using three columns with different selectivities for the separation of PAHs. For GC/MS (I) analyses, duplicate subsamples of approximately 1 g from ten bottles of SRM 1941b were extracted using PFE with DCM. Copper powder was added to the extract to remove elemental sulfur. The concentrated extract was passed through an aminopropyl SPE cartridge and eluted with 2 % DCM in hexane (all solvent concentrations are given as volume fractions in %). The processed extract was then analyzed by GC/MS using a 0.25 mm i.d. × 60 m fused silica capillary column with a 5 % phenyl-substituted methylpolysiloxane phase (0.25 µm film thickness; DB-5 MS, J&W Scientific, Folsom, CA). The GC/MS (II) analyses were performed using 5 g subsamples from six bottles of SRM 1941b. These samples were extracted using PFE with DCM. The high molecular mass compounds were removed from the extracts using size exclusion chromatography (SEC) with a preparative-scale divinylbenzene-polystyrene column (10 µm particle size with 10 nm diameter pores), and the sulfur was removed from the extracts by adding copper powder. The concentrated extract was passed through an aminopropyl SPE cartridge and eluted with 10 % DCM in hexane. The analysis was by GC/MS using a 0.25 mm i.d. × 60 m fused silica capillary column with a 50 % phenyl-substituted methylpolysiloxane phase (0.25 µm film thickness; DB-17 MS, J&W Scientific). For the GC/MS (III), 9 g subsamples from six bottles of SRM 1941b were Soxhlet-extracted for 18 h with 250 mL of a mixture of 50 % hexane/50 % acetone. Copper powder was added to the extract to remove elemental sulfur, and the concentrated extract was passed through a silica SPE cartridge and eluted with 10 % DCM in hexane. The processed extract was then analyzed by GC/MS using a 0.25 mm i.d. × 60 m fused silica capillary column with a relatively non-polar proprietary phase (0.25 µm film thickness; DB-XLB, J&W Scientific).

Two sets of LC-FL results, designated as LC-FL (total) and LC-FL (isomer), were used in the certification process. For the LC-FL (total), subsamples of approximately 1 g from six bottles of SRM 1941b were extracted using PFE with a mixture of 50 % hexane/50 % acetone. The extracts were concentrated and then processed through an aminopropylsilane SPE cartridge using 2 % DCM in hexane to obtain the total PAH fraction. For the LC-FL (isomer), a 5 g subsample from the six bottles was extracted using PFE with DCM and processed through an aminopropylsilane SPE cartridge using 10 % DCM in hexane; the PAH fraction was then fractionated further on a semi-preparative aminopropylsilane column (µBondapak NH_2, 9 mm i.d. × 30 cm, Waters Associates, Milford, MA) to isolate isomeric PAH fractions as described previously [3–6]. The total PAH fraction and the isomeric PAH fractions were analyzed using a 5 µm particle-size polymeric octadecylsilane (C_{18}) column (4.6 mm i.d. × 25 cm, Hypersil-PAH, Keystone Scientific, Inc., Bellefonte, PA) with wavelength-programmed fluorescence detection [4,5].

For the GC/MS and LC-FL measurements described above, selected perdeuterated PAHs were added to the sediment prior to solvent extraction for use as internal standards for quantification purposes.

In addition to the analyses performed at NIST, SRM 1941b was used in an interlaboratory comparison exercise in 1999 as part of the NIST Intercomparison Exercise Program for Organic Contaminants in the Marine Environment [7]. Results from 38 laboratories that participated in this exercise were used as the sixth data set in the determination of the certified values for PAHs in SRM 1941b. The laboratories participating in this exercise used the analytical procedures routinely used in their laboratories to measure the analytes of interest.

Homogeneity Assessment for PAHs: The homogeneity of SRM 1941b was assessed by analyzing duplicate samples of approximately 1 g from ten bottles selected by stratified random sampling. Samples were extracted, processed, and analyzed as described above for GC/MS (I). No statistically significant differences among bottles were observed for the PAHs at this sample size.

PAH Isomers of Molecular Mass 300 and 302: For the determination of the molecular mass 300 and 302 isomers, three subsamples of approximately 5 g each were extracted using PFE with DCM. The extracts were then concentrated with a solvent change to hexane and passed through an aminopropyl SPE cartridge and eluted with 10 % DCM in hexane. The processed extract was then analyzed by GC/MS using a 0.25 mm i.d. × 60 m fused silica capillary column with a 50 % phenyl-substituted methylpolysiloxane phase (0.25 µm film thickness; DB-17MS, J&W Scientific). Perdeuterated dibenzo[*a,i*]pyrene was added to the sediment prior to extraction for use as an internal standard [8].

PCBs and Chlorinated Pesticides: The general approach used for the determination of PCBs and chlorinated pesticides in SRM 1941b consisted of combining results from analyses using various combinations of different extraction techniques and solvents, cleanup/isolation procedures, and chromatographic separation and detection techniques. Techniques and solvents included Soxhlet extraction and PFE using DCM or a hexane/acetone mixture, clean-up/isolation using SPE or LC, followed by analysis using GC/MS and gas chromatography with electron capture detection (GC-ECD) on two columns with different selectivity for the separation of PCBs and chlorinated pesticides. The analytical methods are described in detail elsewhere [2].

Six sets of results were obtained and designated as GC-ECD (I) A and B, GC/MS (I) A and B, GC/MS (II), and Interlaboratory Comparison Exercise. For the GC-ECD (I) analyses, approximately 10 g subsamples from six bottles of SRM 1941b were extracted using PFE with DCM. Copper powder was added to the extract to remove elemental sulfur, and SEC, as described above, was used to remove the high molecular mass compounds. The concentrated extract was then fractionated on a semi-preparative aminopropylsilane column to isolate two fractions containing: (1) the PCBs and lower-polarity pesticides and (2) the more polar pesticides. GC-ECD analyses of the two fractions were performed on two columns of different selectivities for PCB separations: 0.25 mm × 60 m fused silica capillary column with a 5 % phenyl-substituted methylpolysiloxane phase (0.25 µm film thickness; DB-5, J&W Scientific), and a 0.25 mm × 60 m fused silica capillary column with a non-polar proprietary phase (0.25 µm film thickness; DB-XLB, J&W Scientific). The results from the 5 % phenyl phase are designated as GC-ECD (IA) and the results from the proprietary phase are designated as GC-ECD (IB). For the GC-ECD analyses, two PCB congeners that are not significantly present in the sediment extract (PCB 103 and PCB 198 [9,10]) and endosulfan I-d_4, 4,4'-DDE-d_8, 4,4'-DD-d_8, and 4,4'-DDT-d_8 were added to the sediment prior to extraction for use as internal standards for quantification purposes.

Two sets of results were obtained by GC/MS. For GC/MS (I), approximately 9 g subsamples from six bottles were Soxhlet- extracted with a mixture of 50 % hexane/50 % acetone for approximately 18 h. Copper powder was added to the extract to remove elemental sulfur, and the concentrated extract was passed through a silica SPE cartridge and eluted with 10 % DCM in hexane. The processed extract was then analyzed by GC/MS with two ionization modes, electron impact (EI) and negative ion chemical ionization (NICI). The GC/MS EI method, GC/MS (IA), used a 0.25 mm i.d. × 60 m fused silica capillary column with a relatively non-polar proprietary phase (0.25 µm film thickness; DB-XLB, J&W Scientific). The GC/MS NICI method, GC/MS (IB), used a 0.25 mm i.d. × 60 m fused silica capillary column with a 5 % phenyl-substituted methylpolysiloxane phase (0.25 µm film thickness; DB-5MS, J&W Scientific). The GC/MS (II) results were obtained in the same manner as the GC/MS (IA) analyses except that three subsamples were Soxhlet-extracted with DCM for approximately 18 h. For the GC/MS analyses, selected carbon-13 labeled PCB congeners and chlorinated pesticides were added to the sediment prior to extraction for use as internal standards for quantification purposes.

In addition to the analyses performed at NIST, SRM 1941b was used in an interlaboratory comparison exercise in 1999 as part of the NIST Intercomparison Exercise Program for Organic Contaminants in the Marine Environment [7]. Results from 38 laboratories that participated in this exercise were used as the sixth data set in the determination of the certified values for PCB congeners and chlorinated pesticides in SRM 1941b. The laboratories participating in this exercise used the analytical procedures routinely used in their laboratories to measure the analytes of interest.

The reference value for PCB 77 was determined from a separate fraction. The samples were extracted and processed as for GC-ECD (I) above. The first (PCB and lower-polarity pesticide) fraction from the semi-preparative aminopropylsilane column was further fractionated using a Cosmosil PYE (pyrenylethyl group bonded) column (5 µm particle size, 4.6 mm i.d. × 25 cm ; Phenomenex, Torrance, CA) [11]. Three fractions were collected: the first fraction contained the pesticides and multi-*ortho* PCBs, the second fraction contained the polychlorinated naphthalenes, non-*ortho* PCB congeners, and some mono-*ortho* PCB congeners, and the third fraction removed the residual planar compounds from the column. The second fraction was analyzed by GC/MS NICI using the same column as GC/MS (IB) above. Carbon-13 labeled PCB 77 was used as an internal standard for quantification purposes.

Alkylated PAH Groups, Hopanes, and Steranes: SRM 1941b was used in an interlaboratory comparison exercise in 2011 [12]. Results from 33 laboratories that participated in this exercise were used in the determination of the reference values for alkylated PAH groups, hopanes, and steranes in SRM 1941b. Note that not all laboratories returned data for each analyte. The laboratories participating in this exercise used the analytical procedures routinely used in their laboratories to measure the analytes of interest. For the alkylated PAHs, the majority of the laboratories (>90 %) used the parent PAH for determination of the response factor for the corresponding alkylated group.

Total Organic Carbon (TOC): Two laboratories provided results for TOC using similar procedures. Briefly, subsamples of approximately 200 mg were reacted with 6 mol/L hydrochloric acid and rinsed with deionized water prior to combustion in a gas fusion furnace. The carbon monoxide and carbon dioxide produced were measured and compared to a blank for calculation of the percent TOC. Each laboratory analyzed subsamples from three bottles of SRM 1941b. One of the laboratories also analyzed three subsamples from three bottles of SRM 1941b for carbon, hydrogen, and nitrogen.

Table 1. Certified Mass Fraction Values for PAHs in SRM 1941b

PAHs	Mass Fractions[a] (µg/kg)		
Naphthalene(b,c,d,e,f,g)	848	±	95(h)
Fluorene(b,c,d,e,f,g)	85	±	15(h)
Phenanthrene(b,c,d,e,f,g)	406	±	44(h)
Anthracene(b,c,d,e,f,g)	184	±	18(h)
3-Methylphenanthrene(b,c,d)	105	±	13(h)
2-Methylphenathrene(b,c,d)	128	±	14(h)
1-Methylphenanthrene(b,c,d,g)	73.2	±	5.9(h)
Fluoranthene(b,c,d,e,f,g)	651	±	50(h)
Pyrene(b,c,d,e,f,g)	581	±	39(h)
Benz[*a*]anthracene(b,c,d,e,f,g)	335	±	25(h)
Chrysene(d,f)	291	±	31(h)
Triphenylene(d,f)	108	±	5(i)
Benzo[*b*]fluoranthene(c,e)	453	±	21(h)
Benzo[*k*]fluoranthene(b,c,d,e)	225	±	18(h)
Benzo[*e*]pyrene(b,c,d,g)	325	±	25(h)
Benzo[*a*]pyrene(b,c,d,f,g)	358	±	17(h)
Perylene(b,c,d,f,g)	397	±	45(h)
Benzo[*ghi*]perylene(b,c,d,f,g)	307	±	45(h)
Indeno[1,2,3-*cd*]pyrene(b,c,d,f,g)	341	±	57(h)
Dibenz[*a,j*]anthracene(b,c,d,f)	48.9	±	4.6(h)
Dibenz[*a,c*]anthracene(c,f)	36.7	±	5.2(h)
Dibenz[*a,h*]anthracene(c,f)	53	±	10(h)
Benzo[*b*]chrysene(b,c,d,f)	53	±	12(h)
Picene(b,c,d)	46.6	±	4.7(h)

(a) Mass fractions reported on dry-mass basis; material as received contains approximately 2.4 % moisture.

(b) GC/MS (I) on 5 % phenyl-substituted methylpolysiloxane phase after PFE with DCM.

(c) GC/MS (II) on 50 % phenyl-substituted methylpolysiloxane phase after PFE with DCM.

(d) GC/MS (III) on a relatively non-polar proprietary phase after Soxhlet extraction with 50 % hexane/50 % acetone mixture.

(e) LC-FL (total) of total PAH fraction after PFE with DCM.

(f) LC-FL (isomer) of isomeric PAH fractions after PFE with DCM.

(g) 1999 Interlaboratory Comparison Study [7] with 21 to 29 laboratories submitting data for each PAH.

(h) Certified values are weighted means of the results from two to six analytical methods [13]. The uncertainty listed with each value is an expanded uncertainty about the mean, with coverage factor 2 (approximately 95 % confidence), calculated by combining a between-method variance incorporating inter-method bias with a pooled within-method variance following the ISO/JCGM Guide [14,15]. The measurand is the total mass fraction of the constituent listed and the values are metrologically traceable to the SI unit of mass, expressed as micrograms per kilogram on a dry-mass basis.

(i) The certified value is an unweighted mean of the results from two analytical methods. The uncertainty listed with the value is an expanded uncertainty about the mean, with coverage factor 2, calculated by combining a between-method variance [16] with a pooled, within-method variance following the ISO/JCGM Guide [14,15]. The measurand is the total mass fraction of the constituent listed and the value is metrologically traceable to the SI unit of mass, expressed as micrograms per kilogram on a dry-mass basis.

Table 2. Certified Mass Fraction Values for PCB Congeners(a) in SRM 1941b

PCB Congeners			Mass Fractions(b) (µg/kg)		
PCB	8	(2,4'-Dichlorobiphenyl)(c,d,e,f,g)	1.65	±	0.19(h)
PCB	18	(2,2',5-Trichlorobiphenyl)(c,d,e,f,g)	2.39	±	0.29(h)
PCB	28	(2,4,4'-Trichlorobiphenyl)(c,d,e,f,g)	4.52	±	0.57(h)
PCB	31	(2,4',5-Trichlorobiphenyl)(c,e,f)	3.18	±	0.41(h)
PCB	44	(2,2'3,5'-Tetrachlorobiphenyl)(c,d,e,f,g)	3.85	±	0.20(i)
PCB	49	(2,2'4,5'-Tetrachlorobiphenyl)(c,d,e,f)	4.34	±	0.28(i)
PCB	52	(2,2',5,5'-Tetrachlorobiphenyl)(c,d,e,f,g)	5.24	±	0.28(i)
PCB	66	(2,3',4,4'-Tetrachlorobiphenyl)(c,e,f,g,j)	4.96	±	0.53(i)
PCB	87	(2,2',3,4,5'-Pentachlorobiphenyl)(c,d,f,j)	1.14	±	0.16(h)
PCB	95	(2,2',3,5',6-Pentachlorobiphenyl)(c,e,f,g)	3.93	±	0.62(i)
PCB	99	(2,2',4,4',5-Pentachlorobiphenyl)(c,d,e,f,g)	2.90	±	0.36(i)
PCB	101	(2,2',4,5,5'-Pentachlorobiphenyl)(c,e,f,g,j)	5.11	±	0.34(i)
PCB	105	(2,3,3',4,4'-Pentachlorobiphenyl)(c,d,e,f,g,j)	1.43	±	0.10(i)
PCB	110	(2,3,3',4',6-Pentachlorobiphenyl)(c,e,f,j)	4.62	±	0.36(i)
PCB	118	(2,3',4,4',5-Pentachlorobiphenyl)(c,d,e,f,g,j)	4.23	±	0.19(i)
PCB	128	(2,2',3,3',4,4'-Hexachlorobiphenyl)(c,d,e,f,g,j)	0.696	±	0.044(i)
PCB	138	(2,2',3,4,4',5'-Hexachlorobiphenyl)(c,e,f,j)	3.60	±	0.28(i)
PCB	149	(2,2',3,4',5',6-Hexachlorobiphenyl)(c,d,e,j)	4.35	±	0.26(h)
PCB	153	(2,2',4,4',5,5'-Hexachlorobiphenyl)(c,d,e,f,g,j)	5.47	±	0.32(i)
PCB	156	(2,3,3',4,4',5-Hexachlorobiphenyl)(c,d,e,f,j)	0.507	±	0.090(h)
PCB	170	(2,2',3,3',4,4',5-Heptachlorobiphenyl)(c,d,e,f,g,j)	1.35	±	0.09(i)
PCB	180	(2,2',3,4,4',5,5'-Heptachlorobiphenyl)(c,d,e,f,g,j)	3.24	±	0.51(i)
PCB	183	(2,2',3,4,4',5',6-Heptachlorobiphenyl)(c,d,e,j)	0.979	±	0.087(h)
PCB	187	(2,2',3,4',5,5',6-Heptachlorobiphenyl)(c,d,e,f,g,j)	2.17	±	0.22(i)
PCB	194	(2,2',3,3',4,4',5,5'-Octachlorobiphenyl)(c,d,e,j)	1.04	±	0.06(h)
PCB	195	(2,2',3,3',4,4',5,6-Octachlorbiphenyl)(c,e,g,j)	0.645	±	0.060(i)
PCB	201	(2,2',3,3',4,5',6,6'-Octachlorobiphenyl)(c,e,j)	0.777	±	0.034(h)
PCB	206	(2,2',3,3',4,4',5,5',6-Nonachlorobiphenyl)(c,e,f,g,j)	2.42	±	0.19(i)
PCB	209	Decachlorobiphenyl(c,d,e,f,g,j)	4.86	±	0.45(i)

(a) PCB congeners are numbered according to the scheme proposed by Ballschmiter and Zell [9] and later revised by Schulte and Malisch [10] to conform to IUPAC rules, except PCB 201. Under the Ballschmiter and Zell numbering system, the IUPAC PCB 201 is listed as PCB 200.

(b) Mass fractions reported on dry-mass basis; material as received contains approximately 2.4 % moisture.

(c) GC/MS (IA) on a relatively non-polar proprietary phase after Soxhlet extraction with 50 % hexane/50 % acetone mixture.

(d) GC-ECD (IA) on 5 % phenyl-substituted methylpolysiloxane phase after PFE extraction with DCM.

(e) GC-ECD (IB) on a relatively non-polar proprietary phase; same extracts analyzed as in GC-ECD (IA).

(f) GC/MS (II) on a relatively non-polar proprietary phase after Soxhlet extraction with DCM.

(g) 1999 Interlaboratory Comparison Study [7] with 13 to 31 laboratories submitting data for each PCB congener.

(h) Certified values are unweighted means of the results from three to five analytical methods. The uncertainty listed with each value is an expanded uncertainty about the mean, with coverage factor 2, calculated by combining a between-method variance [16] with a pooled, within method variance following the ISO/JCGM Guide [14,15]. The measurand is the total mass fraction of the constituent listed and the values are metrologically traceable to the SI unit of mass, expressed as micrograms per kilogram on a dry-mass basis.

(i) Certified values are weighted means of the results from three to six analytical methods [13]. The uncertainty listed with each value is an expanded uncertainty about the mean, with coverage factor 2 (approximately 95 % confidence), calculated by combining a between-method variance incorporating inter-method bias with a pooled within-method variance following the ISO/JCGM Guide [14,15]. The measurand is the total mass fraction of the constituent listed and the values are metrologically traceable to the SI unit of mass, expressed as micrograms per kilogram on a dry-mass basis.

(j) GC/MS (IB) on 5 % phenyl-substituted methylpolysiloxane phase; same extracts analyzed as in GC/MS (IA).

Table 3. Certified Mass Fraction Values for Chlorinated Pesticides in SRM 1941b

Chlorinated Pesticides	Mass Fractions(a) (µg/kg)
Hexachlorobenzene(b,c,d,e)	5.83 ± 0.38(f)
cis-Chlordane(b,c,d,e,g)	0.85 ± 0.11(h)
trans-Chlordane(b,c,e)	0.566 ± 0.093(f)
cis-Nonachlor(b,e,g)	0.378 ± 0.053(h)
trans-Nonachlor(b,c,d,e,g)	0.438 ± 0.073(f)
4,4'-DDE(b,d,e,g)	3.22 ± 0.28(h)
4,4'-DDD(b,d,e,g)	4.66 ± 0.46(h)

(a) Mass fractions reported on dry-mass basis; material as received contains approximately 2.4 % moisture.

(b) GC/MS (IA) on a relatively non-polar proprietary phase after Soxhlet extraction with 50 % hexane/50 % acetone mixture.

(c) GC/MS (IB) on 5 % phenyl-substituted methylpolysiloxane phase; same extracts analyzed as in GC/MS (IA).

(d) GC/MS (II) on a relatively non-polar proprietary phase after Soxhlet extraction with DCM.

(e) 1999 Interlaboratory Comparison Study [7] with 13 to 31 laboratories submitting data for each pesticide.

(f) Certified values are unweighted means of the results from three to five analytical methods. The uncertainty listed with each value is an expanded uncertainty about the mean, with coverage factor 2, calculated by combining a between-method variance [16] with a pooled, within-method variance following the ISO/JCGM Guide [14,15]. The measurand is the total mass fraction of the constituent listed and the values are metrologically traceable to the SI unit of mass, expressed as micrograms per kilogram on a dry-mass basis.

(g) GC-ECD (IA) on 5 % phenyl-substituted methylpolysiloxane phase after PFE extraction with DCM.

(h) Certified values are weighted means of the results from three to five analytical methods [13]. The uncertainty listed with each value is an expanded uncertainty about the mean, with coverage factor 2 (approximately 95 % confidence), calculated by combining a between-method variance incorporating inter-method bias with a pooled within-method variance following the ISO/JCGM Guide [14,15]. The measurand is the total mass fraction of the chlorinated pesticides listed and the values listed are metrologically traceable to the SI unit of mass, expressed as micrograms per kilogram on a dry-mass basis.

Table 4. Reference Mass Fraction Values for PAHs in SRM 1941b

PAHs	Mass Fractions(a) (µg/kg)
1-Methylnaphthalene(b,c,d,e)	127 ± 14(f)
2-Methylnaphthalene(b,c,d,e)	276 ± 53(f)
2,6-Dimethylnaphthalene(b,c,d,e)	75.9 ± 4.5(f)
2,3,5-Trimethylnaphthalene(b,c,d,e)	25.5 ± 5.1(f)
Biphenyl(b,c,d,e)	74.0 ± 8.0(f)
Acenaphthylene(b,c,d,e)	53.3 ± 6.4(f)
Acenaphthene(b,c,d,e)	38.4 ± 5.2(f)
9-Methylphenanthrene(c)	63.5 ± 2.5(g)
4-Methylphenanthrene and 9-Methylphenanthrene(b,d)	80.1 ± 4.8(f)
2-Methylanthracene(c,d)	36 ± 15(f)
8-Methylfluoranthene(b)	49.5 ± 2.7(g)
7-Methylfluoranthene(b)	45.4 ± 1.5(g)
1-Methylfluoranthene(b)	42.4 ± 2.1(g)
3-Methylfluoranthene(b)	28.8 ± 1.3(g)
2-Methylpyrene(b)	78.7 ± 4.0(g)
4-Methylpyrene(b)	66.4 ± 2.6(g)
1-Methylpyrene(b)	52.5 ± 2.3(g)
Acephenanthrene(d)	30.5 ± 1.9(g)
Benzo[*c*]phenanthrene(b,c,d)	58 ± 15(f)
Benzo[*a*]fluoranthene(b,c,d)	73 ± 18(f)
Benzo[*j*]fluoranthene(c)	217 ± 5(g)
Indeno[1,2,3-*cd*]fluoranthene(d)	9.63 ± 0.34(g)
Pentaphene(d)	25.3 ± 1.0(g)

(a) Mass fractions reported on dry-mass basis; material as received contains approximately 2.4 % moisture.

(b) GC/MS (I) on 5 % phenyl-substituted methylpolysiloxane phase after PFE with DCM.

(c) GC/MS (II) on 50 % phenyl-substituted methylpolysiloxane phase after PFE with DCM.

(d) GC/MS (III) on a relatively non-polar proprietary phase after Soxhlet extraction with 50 % hexane/50 % acetone mixture.

(e) 1999 Interlaboratory Comparison Study [7] with 14 to 26 laboratories submitting data for each PAH.

(f) Reference values are weighted means of the results from two to four analytical methods [13]. The uncertainty listed with each value is an expanded uncertainty about the mean, with coverage factor 2 (approximately 95 % confidence), calculated by combining a between-method variance incorporating inter-method bias with a pooled within-method variance following the ISO/JCGM Guide [14,15]. The measurand is the total mass fraction of PAHs listed as determined by the methods indicted. The values are metrologically traceable to the SI unit of mass, expressed as micrograms per kilogram on a dry-mass basis.

(g) Reference values are the means of results obtained by NIST using one analytical technique. The expanded uncertainty, U, is calculated as $U = ku_c$, where u_c is one standard deviation of the analyte mean, and the coverage factor, k, is determined from the Student's *t*-distribution for the associated degrees of freedom (19 for footnote b and 5 for footnotes c and d) and 95 % confidence level for each analyte. The measurand is the total mass fraction of the PAHs listed as determined by the method indicted. The values listed are metrologically traceable to the SI unit of mass, expressed as micrograms per kilogram on a dry-mass basis.

Table 5. Reference Mass Fraction Values for PAHs of Molecular Mass 300 and 302 in SRM 1941b

PAHs of Molecular Mass 300 and 302	Mass Fractions[(a,b,c)] (µg/kg)		
Coronene	72.6	±	4.7
Dibenzo[*b,e*]fluoranthene	10.3	±	0.3
Naphtho[1,2-*b*]fluoranthene	91.0	±	3.1
Naphtho[1,2-*k*]fluoranthene and Naphtho[2,3-*j*]fluoranthene	79.8	±	2.5
Naphtho[2,3-*b*]fluoranthene	23.5	±	0.3
Dibenzo[*b,k*]fluoranthene	95.6	±	3.1
Dibenzo[*a,k*]fluoranthene	26.6	±	0.4
Dibenzo[*j,l*]fluoranthene	63.8	±	1.8
Dibenzo[*a,l*]pyrene	11.1	±	1.0
Naphtho[2,3-*k*]fluoranthene	10.7	±	0.6
Naphtho[1,2-*a*]pyrene	16.7	±	1.4
Naphtho[2,3-*e*]pyrene	33.2	±	2.3
Dibenzo[*a,e*]pyrene	76.1	±	3.6
Naphtho[2,1-*a*]pyrene	59.2	±	1.8
Dibenzo[*e,i*]pyrene	35.0	±	2.4
Naphtho[2,3-*a*]pyrene	16.5	±	0.6
Benzo[*b*]perylene	38.2	±	1.2
Dibenzo[*a,i*]pyrene	25.5	±	1.0
Dibenzo[*a,h*]pyrene	6.94	±	0.29

(a) Mass fractions reported on dry-mass basis; material as received contains approximately 2.4 % moisture.

(b) Reference values are the means of results obtained by NIST using one analytical technique. The expanded uncertainty, U, is calculated as $U = ku_c$, where u_c is one standard deviation of the analyte mean, and the coverage factor, k, is determined from the Student's t-distribution for two degrees of freedom and 95 % confidence level for each analyte. The measurand is the total mass fraction of the constituent listed as determined by the method indicted. The values are metrologically traceable to the SI unit of mass, expressed as micrograms per kilogram on a dry-mass basis.

(c) GC/MS on 50 % phenyl-substituted methylpolysiloxane phase after PFE with DCM [8].

Table 6. Reference Mass Fraction Values for PCB Congeners(a) in SRM 1941b

PCB Congeners			Mass Fractions(b,c) (µg/kg)		
PCB	45	(2,2',3,6-Tetrachlorobiphenyl)(d,e)	0.73	±	0.12
PCB	56	(2,3,3',4'-Tetrachlorobiphenyl)(d,f,g)	1.21	±	0.11
PCB	63	(2,3,4',5-Tetrachlorobiphenyl)(e,f,g)	0.213	±	0.040
PCB	70	(2,3',4',5-Tetrachlorobiphenyl)(e,f,g)	4.99	±	0.29
PCB	74	(2,4,4',5-Tetrachlorobiphenyl)(e,f,g)	2.04	±	0.15
PCB	77	(3,3',4,4'-Tetrachlorobiphenyl)(h)	0.31	±	0.03
PCB	107	(2,3,3',4',5-Pentachlorobiphenyl)(d,e,f,g)	0.628	±	0.028
PCB	132	(2,2',3,3',4,6'-Hexachlorobiphenyl)(d,f,g)	1.28	±	0.27
PCB	146	(2,2',3,4',5,5'-Hexachlorobiphenyl)(e,f,g)	1.22	±	0.12
PCB	158	(2,3,3',4,4',6-Hexachlorobiphenyl)(d,e,f,g)	0.65	±	0.15
PCB	163	(2,3,3',4',5,6-Hexachlorobiphenyl)(e,f,g)	1.28	±	0.06
PCB	174	(2,2',3,3',4,5,6'-Heptachlorobiphenyl)(d,e,f,g)	1.51	±	0.39
PCB	193	(2,3,3',4',5,5',6-Heptachlorobiphenyl)(d,e,f,g)	0.292	±	0.075

(a) PCB congeners are numbered according to the scheme proposed by Ballschmiter and Zell [9] and later revised by Schulte and Malisch [10] to conform with IUPAC rules, except PCB 107. Under the Ballschmiter and Zell numbering system, the IUPAC PCB 107 is listed as PCB 108.

(b) Mass fractions reported on dry-mass basis; material as received contains approximately 2.4 % moisture.

(c) For these PCB congeners except PCB 77, the reference values are unweighted means of the results from two to four analytical methods. The uncertainty listed with each value is an expanded uncertainty about the mean, with coverage factor 2, calculated by combining a between-method variance [16] with a pooled within-method variance following the ISO/JCGM Guide [14,15]. For PCB 77, the reference value is the mean of results obtained by NIST using one analytical technique. The expanded uncertainty, U, is calculated as $U = ku_c$, where u_c is one standard deviation of the analyte mean, and the coverage factor, k, is determined from the Student's t-distribution corresponding to two degrees of freedom and 95 % confidence level for PCB 77. The measurand is the total mass fraction of the PCB Congeners listed as determined by the method or methods indicted. The values listed are metrologically traceable to the SI unit of mass, expressed as microgram per kilogram on a dry-mass basis.

(d) GC-ECD (IA) on 5 % phenyl-substituted methylpolysiloxane phase after PFE extraction with DCM.

(e) GC-ECD (IB) on a relatively non-polar proprietary phase; same extracts analyzed as in GC-ECD (IA).

(f) GC/MS (IA) on a relatively non-polar proprietary phase after Soxhlet extraction with 50 % hexane/50 % acetone mixture.

(g) GC/MS (IB) on 5 % phenyl-substituted methylpolysiloxane phase; same extracts analyzed as in GC/MS (IA).

(h) GC/MS NICI on a 5 % phenyl-substituted methylpolysiloxane phase; same extracts analyzed as in GC-ECD (I) fractionated using a PYE column.

Table 7. Reference Mass Fraction Values for Selected Chlorinated Pesticides in SRM 1941b

Chlorinated Pesticides	Mass Fractions(a,b) (µg/kg)
2,4'-DDE(c,d)	0.38 ± 0.12
4,4'-DDT(e,f)	1.12 ± 0.42

(a) Mass Fractions reported on dry-mass basis; material as received contains approximately 2.4 % moisture.

(b) The reference values are unweighted means of the results from two analytical methods. The uncertainty listed with each value is an expanded uncertainty about the mean, with coverage factor 2, calculated by combining a between-method variance [16] with a pooled, within-method variance following the ISO/JCGM Guide [14,15]. The measurand is the total mass fraction of the chlorinated pesticides listed as determined by the methods indicted. The values listed are metrologically traceable to the SI unit of mass, expressed as micrograms per kilogram on a dry-mass basis.

(c) GC/MS (IB) on 5 % phenyl-substituted methylpolysiloxane phase; same extracts analyzed as in GC/MS (IA).

(d) GC-ECD (IB) on a relatively non-polar proprietary phase; same extracts analyzed as in GC-ECD (IA).

(e) GC/MS (II) on a relatively non-polar proprietary phase after Soxhlet extraction with DCM.

(f) 1999 Interlaboratory Comparison Study [7] with 10 laboratories submitting data for 4,4'-DDT.

Table 8. Reference Mass Fraction Values for Alkylated PAH Groups in SRM 1941b

Alkylated PAH Group	Mass Fraction(a,b) (µg/kg)
C2-decalins	18 ± 5
C4-decalins	41 ± 4
C2-naphthalenes	187 ± 53
C3-naphthalenes	158 ± 42
C1-benzothiophenes	25 ± 14
C2-benzothiophenes	20 ± 11
C3-benzothiophenes	22 ± 13
C4-benzothiophenes	18 ± 5
C1-fluorenes	57 ± 18
C2-fluorenes	122 ± 43
C3-fluorenes	128 ± 31
C1-phenanthrenes/anthracenes	313 ± 99
C2-phenanthrenes/anthracenes	247 ± 62
C3-phenanthrenes/anthracenes	165 ± 46
C4-phenanthrenes/anthracenes	87 ± 36
C1-dibenzothiophenes	54 ± 13
C2-dibenzothiophenes	91 ± 18
C3-dibenzothiophenes	84 ± 15
C4-dibenzothiophenes	57 ± 13
C1-fluoranthenes/pyrenes	252 ± 48
C2-fluoranthenes/pyrenes	205 ± 38
C3-fluoranthenes/pyrenes	102 ± 22
C4-fluoranthenes/pyrenes	121 ± 59
C1-benzanthraces/chrysenes/triphenylenes	208 ± 43
C2-benzanthraces/chrysenes/triphenylenes	120 ± 24
C3-benzanthraces/chrysenes/triphenylenes	73 ± 31
C4-benzanthraces/chrysenes/triphenylenes	41 ± 11

(a) The reference mass fraction value reported on a dry-mass basis is the median of results using one analytical technique. The expanded uncertainty, U, is calculated as $U = ku_c$, where u_c is one standard deviation of the median, and the coverage factor, $k = 2$. The measurand is the total mass fraction of the alkylated PAH groups listed as determined by the interlaboratory study methods. The values listed are metrologically traceable to the SI unit of mass fraction, expressed as micrograms per kilogram on a dry-mass basis.

(b) Data from the interlaboratory study [12].

Table 9. Reference Mass Fraction Values for Hopanes and Steranes in SRM 1941b

Hopane or Sterane	Mass Fraction(a,b) (µg/kg)
17α(H)-22,29,30-Trisnorhopane	54 ± 18
17α(H)-21β(H)-30-Norhopane	137 ± 21
17α(H)-21β(H)-30-Hopane	215 ± 44
17α(H)-21β(H)-22R-Homohopane	44 ± 10
17α(H)-21β(H)-22S-Homohopane	48 ± 13
5α(H)-14α(H),17α(H)-Cholestane 20R	41 ± 11
5α(H)-14β(H),17β(H)-Cholestane 20R	27 ± 6
5α(H)-14β(H),17β(H)-24-Methylcholestane 20R	21 ± 8
5α(H)-14α(H),17α(H)-24-Ethylcholestane 20R	19 ± 5
5α(H)-14β(H),17β(H)-24-Ethylcholestane 20R	41 ± 9

(a) The reference mass fraction value reported on a dry-mass basis is the median of results using one analytical technique. The expanded uncertainty, U, is calculated as $U = ku_c$, where u_c is one standard deviation of the median, and the coverage factor, $k = 2$. The measurand is the total mass fraction of the constituent listed as determined by the methods used during the interlaboratory study. The values are metrologically traceable to the SI unit of mass, expressed as micrograms per kilogram on a dry-mass basis.

(b) Data from the interlaboratory study [12].

Table 10. Reference Mass Fraction Value for Total Organic Carbon in SRM 1941b

Total Organic Carbon (TOC) 2.99 % ± 0.24 %(a,b)

(a) Mass fraction is reported on a dry-mass basis; material as received contains approximately 2.4 % moisture.

(b) The reference value for total organic carbon is a weighted mean value from routine measurements made by two laboratories [21]. The uncertainty listed is an expanded uncertainty about the mean, with coverage factor 2 (approximately 95 % confidence), calculated by combining a between-method variance incorporating inter-method bias with a pooled within-method variance. The reporting follows the ISO/JCGM Guides [2]. The measurand is the total mass fraction of TOC listed as determined by the methods indicted. The values listed are metrologically traceable to the SI unit of mass, expressed as a percent on a dry-mass basis.

Table 11. Information Mass Fraction Values for Carbon, Hydrogen, and Nitrogen in SRM 1941b

Elements	Mass Fractions(a) (%)
Carbon	3.3
Hydrogen	1.2
Nitrogen	<0.5

(a) Mass fraction is reported on a dry-mass basis; material as received contains approximately 2.4 % moisture.

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Certificate Revision History: 16 January 2015 (Corrected IUPAC name for PCB-56 and PCB-107; editorial changes); 10 June 2014 (Units corrected from mg/kg to µg/kg in Tables 8 and 9; editorial changes); 10 April 2012 (Reference value added for alkylated PAH groups, hopanes, and steranes; extension of certification period; editorial changes); 16 August 2004 (Reference values for the butyl tins removed; editorial changes); 15 July 2002 (Original certificate date).

Users of this SRM should ensure that the Certificate of Analysis in their possession is current. This can be accomplished by contacting the SRM Program: telephone (301) 975-2200; fax (301) 948-3730; e-mail srminfo@nist.gov; or via the Internet at http://www.nist.gov/srm.

APPENDIX A

The laboratories listed below performed measurements that contributed to the certification of PAHs, PCBs, and chlorinated pesticides in SRM 1941b Organics in Marine Sediment.

Arthur D. Little, Inc; Cambridge, MA
Axys Analytical Services; Sidney, BC, Canada
B & B Laboratories; College Station, TX
Battelle Ocean Sciences; Duxbury, MA
Bedford Institute of Oceanography; Dartmouth, NS, Canada
California Department of Fish and Game; Rancho Cordova, CA
Central Contra Costa Sanitary District; Martinez, CA
Chesapeake Biological Laboratory; Solomons, MD
Centro de Investigaciones Energeticas Medioambientales y Tecnologicas; Madrid, Spain
City of Los Angeles Environmental Monitoring Division; Playa del Rey, CA
City of San Jose Environmental Services Department; San Jose, CA
Columbia Analytical Services; Kelso, WA
East Bay Municipal Utility District; Oakland, CA
Florida Department of Environmental Protection; Tallahassee, FL
Manchester Environmental Laboratory; Port Orchard, WA
Murray State University; Murray, KY
Massachusetts Water Resources Authority Central Lab; Winthrop, MA
National Research Council of Canada; Ottawa, Ontario, Canada
National Oceanic and Atmospheric Association (NOAA), National Marine Fisheries Service (NMFS), Auke Bay Laboratory; Juneau, AK
NOAA, National Ocean Service/Center for Coastal Environmental Health and Biomolecular Research; Charleston, SC
NOAA, NMFS, Sandy Hook Marine Laboratory; Highlands, NJ
NOAA, NMFS, Northwest Fisheries Science Center; Seattle, WA
Orange County Sanitation District; Fountain Valley, CA
Philip Analytical Services; Burlington, Ontario, Canada
Serv de Hidrografia Naval; Buenos Aires, Argentina
Skidaway Institute of Technology; Savannah, GA
Southwest Laboratory of Oklahoma; Broken Arrow, OK
Severn Trent Knoxville Laboratory; Knoxville, TN
Texas A&M University, Geochemical and Environmental Research Group; College Station, TX
Texas Parks and Wildlife Department; San Marcos, TX
University of California at Los Angeles, Institute of Geophysics and Planetary Physics; Los Angeles, CA
University of Connecticut, Environmental Research Institute; Storrs, CT
University of Rhode Island, Graduate School of Oceanography; Narragansett, RI
US Department of Agriculture, Environmental Chemistry Laboratory; Beltsville, MD
US Environmental Protection Agency, Atlantic Ecology Division; Narragansett, RI
US Geological Survey, National Water Quality Laboratory; Denver, CO
Woods Hole Group Environmental Lab; Raynham, MA
Wright State University; Dayton, OH

APPENDIX B

The laboratories listed below performed measurements that contributed to the certification of alkylated PAH groups, hopanes, and steranes in SRM 1941b Organics in Marine Sediment.

Alpha Analytical, Inc.; Mansfield, MA
Analytical Resources, Inc.; Tukwila, WA
Axys Analytical Services; Sydney, BC, Canada
Battelle Analytical & Environmental Chemistry Laboratory; Duxbury, MA
Center for Laboratory Sciences; Pasco, WA
Columbia Analytical Services; Jacksonville, FL
Columbia Analytical Services; Rochester, NY
Columbia Analytical Services, Kelso, WA
Florida Department of Environmental Protection; Tallahassee, FL
Florida International University; North Miami, FL
Michigan Department of Natural Resources and Environment; Lansing, MI
Mississippi State Chemical Laboratory; Mississippi State, MS
NIST; Charleston, SC
NIST; Gaithersburg, MD
NOAA/NCCOS/NOS; Charleston, SC
NOAA/NMFS/Alaska Fisheries Science Center; Juneau, AK
NY State Department of Health; Albany, NY
Pace Analytical Services, Inc. Minneapolis; Minneapolis, MN
RJ Lee Group, Inc; Monroeville, PA
TDI/B&B Laboratories, Inc.; College Station, TX
TestAmerica Laboratories; Mobile, AL
TestAmerica Laboratories; West Sacramento, CA
TestAmerica Laboratories; University Park, IL
TestAmerica Laboratories; Schriever, LA
TestAmerica Laboratories; Edison, NJ
TestAmerica Laboratories; Knoxville, TN
TestAmerica Laboratories; Pittsburgh, PA
TestAmerica Laboratories; South Burlington, VT
TestAmerica Laboratories; Tacoma, WA
US Army Engineer Research and Development Center; Vicksburg, MS
USGS Columbia Environmental Research Center; Columbia, MO
University of Iowa, State Hygienic Laboratory; Iowa City, IO
Washington State Public Health Laboratories; Shoreline, WA

NIST

Date of Issue:
31 March 2014

SAFETY DATA SHEET

1. SUBSTANCE AND SOURCE IDENTIFICATION

Product Identifier

SRM Number: 1941b
SRM Name: Organics in Marine Sediment
Other Means of Identification: Not applicable.

Recommended Use of This Material and Restrictions of Use

This Standard Reference Material (SRM) is marine sediment collected at the mouth of the Baltimore (MD) Harbor. SRM 1941b is intended for use in evaluating analytical methods for the determination of selected polycyclic aromatic hydrocarbons (PAHs), polychlorinated biphenyl (PCB) congeners, and chlorinated pesticides in marine sediment and similar matrices. All of the constituents for which certified, reference, and information values are provided in SRM 1941b were naturally present in the sediment before processing. A unit of SRM 1941b consists of a bottle containing 50 g of radiation-sterilized, freeze-dried sediment.

Company Information

National Institute of Standards and Technology
Standard Reference Materials Program
100 Bureau Drive, Stop 2300
Gaithersburg, Maryland 20899-2300

Telephone: 301-975-2200
FAX: 301-948-3730
E-mail: SRMMSDS@nist.gov
Website: http://www.nist.gov/srm

Emergency Telephone ChemTrec:
1-800-424-9300 (North America)
+1-703-527-3887 (International)

2. HAZARDS IDENTIFICATION

Classification

Physical Hazard: Not classified.
Health Hazard: Not classified.

Label Elements
Symbol
No Symbol/Pictogram

Signal Word
Not applicable.

Hazard Statement(s): Not applicable.

Precautionary Statement(s): Not applicable.

Hazards Not Otherwise Classified: Not applicable.

Ingredients(s) with Unknown Acute Toxicity: Not applicable.

3. COMPOSITION AND INFORMATION ON HAZARDOUS INGREDIENTS

Substance: Marine sediment

Other Designations: Sediment.

This material is naturally occurring marine sediment from an urban area. The material contains trace amounts of polycyclic aromatic hydrocarbons (PAHs), polychlorinated biphenyl (PCB) congeners, and should be handled with care. Components are listed in compliance with OSHA's 29 CFR 1910.1200; for the actual values see the Certificate of Analysis.

Hazardous Component(s)	CAS Number	EC Number (EINECS)	Nominal Mass Concentration (%)
Marine Sediment	Not available	Not available	100

4. FIRST AID MEASURES

Description of First Aid Measures:

Inhalation: If adverse effects occur, remove to uncontaminated area. If not breathing, give artificial respiration or oxygen by qualified personnel. Seek immediate medical attention.

Skin Contact: Wash skin with soap and water.

Eye Contact: Flush eyes with water for at least 15 minutes. If necessary, seek medical attention.

Ingestion: If adverse effects occur after ingestion, seek medical treatment.

Most Important Symptoms/Effects, Acute and Delayed: May cause irritation.

Indication of any immediate medical attention and special treatment needed, if necessary: If any of the above symptoms are present, seek medical attention if needed.

5. FIRE FIGHTING MEASURES

Fire and Explosion Hazards: Negligible fire hazard. Avoid generating dust. See Section 9, "Physical and Chemical Properties" for flammability properties.

Extinguishing Media:
Suitable: Use extinguishing media appropriate for surrounding fire.
Unsuitable: None listed.

Specific Hazards Arising from the Chemical: None listed.

Special Protective Equipment and Precautions for Fire-Fighters: Avoid inhalation of material or combustion byproducts. Wear full protective clothing and NIOSH approved self-contained breathing apparatus (SCBA).

NFPA Ratings (0 = Minimal; 1 = Slight; 2 = Moderate; 3 = Serious; 4 = Severe)

Health = 1 Fire = 0 Reactivity = 0

6. ACCIDENTAL RELEASE MEASURES

Personal Precautions, Protective Equipment and Emergency Procedures: Any accumulated material on surfaces should be removed and properly disposed of. Use suitable protective equipment; see Section 8, "Exposure Controls and Personal Protection".

Methods and Materials for Containment and Clean up: Collect spilled material in appropriate container for disposal. Keep out of water supplies and sewers. Keep unnecessary people away, isolate hazard area and deny entry.

7. HANDLING AND STORAGE

Safe Handling Precautions: Minimize dust generation and accumulation on surfaces. Routine housekeeping should be instituted to ensure that dusts do not accumulate on surfaces. See Section 8, "Exposure Controls and Personal Protection".

Storage: Store and handling in accordance with all current regulations and standards.

8. EXPOSURE CONTROLS AND PERSONAL PROTECTION

Exposure Limits: No occupational exposure limits have been established for marine sediment. This material is a particulate matter and adequate inhalation/respiratory protection should be used to minimize exposure. The exposure limits for Particulates Not Otherwise Regulated (PNOR) are applicable.

OSHA (PEL): 15 mg/m^3 (TWA, total particulates not otherwise regulated)
OSHA (PEL) 5 mg/m^3 (TWA, respirable particulates not otherwise regulated)

NIOSH (REL): 10 mg/m^3 (TWA, total particulates not otherwise regulated, 8 h)
NIOSH (REL): 5 mg/m^3 (TWA, respirable particulates not otherwise regulated)

Engineering Controls: Provide local exhaust or process enclosure ventilation system. Ensure compliance with applicable exposure limits.

Personal Protection: In accordance with OSHA 29 CFR 1910.132, subpart I, wear appropriate Personal Protective Equipment (PPE) to minimize exposure to this material.

Respiratory Protection: If workplace conditions warrant a respirator, a respiratory protection program that meets OSHA 29CFR 1910.134 must be followed. Refer to NIOSH 42 CFR 84 for applicable certified respirators.

Eye/Face Protection: Wear splash resistant safety goggles with a face shield. An eye wash station should be readily available near areas of use.

Skin and Body Protection: Personal protective equipment for the body should be selected based on the task being performed and the risks involved and should be approved by a specialist before handling this product. Chemical-resistant gloves should be worn at all times when handling chemicals.

9. PHYSICAL AND CHEMICAL PROPERTIES

Descriptive Properties:

Appearance (physical state, color, etc.):	amorphous powder
Molecular Formula:	not applicable
Molar Mass (g/mol):	not applicable
Odor:	not available
Odor threshold:	not available
pH:	not available
Evaporation rate:	not applicable
Melting point/freezing point (°C):	not available
Specific Gravity (water=1)	not available
Vapor Pressure (mmHg):	not applicable
Vapor Density (air = 1):	not applicable
Viscosity (cP):	not applicable
Solubility(ies):	not available
Partition coefficient (n-octanol/water):	not available
Particle Size:	<150 µm

Thermal Stability Properties:

Autoignition Temperature (°C):	not available
Thermal Decomposition (°C):	not available
Initial boiling point and boiling range (°C):	not available
Explosive Limits, LEL (Volume %):	not available
Explosive Limits, UEL (Volume %):	not available
Flash Point (°C):	not available
Flammability (solid, gas):	not available

10. STABILITY AND REACTIVITY

Reactivity: Stable at normal temperatures and pressure.

Stability: X Stable ______ Unstable

Possible Hazardous Reactions: None listed.

Conditions to Avoid: Avoid generating dust.

Incompatible Materials: None listed.

Fire/Explosion Information: See Section 5, "Fire Fighting Measures".

Hazardous Decomposition: Thermal decomposition will produce oxides of carbon.

Hazardous Polymerization: ______ Will Occur X Will Not Occur

11. TOXICOLOGICAL INFORMATION

Route of Exposure: X Inhalation X Skin ____ Ingestion

Symptoms Related to the Physical, Chemical and Toxicological Characteristics: Generated dust may cause irritation if inhaled.

Potential Health Effects (Acute, Chronic and Delayed):

Inhalation: Generated dust may cause irritation.

Skin Contact: May cause mechanical irritation.

Eye Contact: May cause mechanical irritation.

Ingestion: No data available.

Numerical Measures of Toxicity:

Acute Toxicity: Not classified; no data available.

Skin Corrosion/Irritation: Not classified; no data available.

Serious Eye damage/ Eye irritation: Not classified; no data available.

Respiratory Sensitization: Not classified; no data available.

Skin Sensitization: Not classified; no data available.

Germ Cell Mutagenicity: Not classified; no data available.

Carcinogenicity: Not classified.

Listed as a Carcinogen/Potential Carcinogen ____ Yes X No
Marine sediment is not listed by NTP, IARC or OSHA as a carcinogen.

Reproductive Toxicity: Not classified; no data available.

Specific Target Organ Toxicity, Single Exposure: Not classified; no data available.

Specific Target Organ Toxicity, Repeated Exposure: Not classified; no data available.

Aspiration Hazard: Not classified; no data available.

12. ECOLOGICAL INFORMATION

Ecotoxicity Data: No data available.

Persistence and Degradability: No data available.

Bioaccumulative Potential: No data available.

Mobility in Soil: No data available.

Other Adverse effects: No data available.

13. DISPOSAL CONSIDERATIONS

Waste Disposal: Dispose of waste in accordance with all applicable federal, state, and local regulations.

14. TRANSPORTATION INFORMATION

U.S. DOT and IATA: Not regulated by DOT or IATA.

15. REGULATORY INFORMATION

U.S. Regulations:

CERCLA Sections 102a/103 (40 CFR 302.4): Not regulated.

SARA Title III Section 302 (40 CFR 355.30): Not regulated.

SARA Title III Section 304 (40 CFR 355.40): Not regulated.

SARA Title III Sections 311/312 Hazardous Categories (40 CFR 370.21):

ACUTE HEALTH:	No.
CHRONIC HEALTH:	No.
FIRE:	No.
REACTIVE:	No.
PRESSURE:	No.

State Regulations:
California Proposition 65: Not listed.

U.S. TSCA Inventory: Not listed.

TSCA 12(b), Export Notification: Not listed.

Canadian Regulations:
WHMIS Information: Not provided for this material.

16. OTHER INFORMATION

Issue Date: 31 March 2014

Sources: 29 CFR Occupational Health and Safety Office (OSHA) 1910.1000, *Limits for Air Contaminants*, Table Z-1; available at http://www.osha.gov/pls/oshaweb/owadisp.show_document?p_table=STANDARDS&p_id=9992 (accessed Mar 2014).

Center for Disease Control (CDC) NIOSH Pocket Guide to Chemical Hazards, *Particulates not otherwise regulated*; available at http://www.cdc.gov/niosh/npg/npgd0480.html (accessed Mar 2014).

Key of Acronyms:

ACGIH	American Conference of Governmental Industrial Hygienists	NRC	Nuclear Regulatory Commission
ALI	Annual Limit on Intake	NTP	National Toxicology Program
CAS	Chemical Abstracts Service	OSHA	Occupational Safety and Health Administration
CERCLA	Comprehensive Environmental Response, Compensation, and Liability Act	PEL	Permissible Exposure Limit
CFR	Code of Federal Regulations	RCRA	Resource Conservation and Recovery Act
DOT	Department of Transportation	REL	Recommended Exposure Limit
EC50	Effective Concentration, 50 %	RM	Reference Material
EINECS	European Inventory of Existing Commercial Chemical Substances	RQ	Reportable Quantity
EPCRA	Emergency Planning and Community Right-to-Know Act	RTECS	Registry of Toxic Effects of Chemical Substances
IARC	International Agency for Research on Cancer	SARA	Superfund Amendments and Reauthorization Act
IATA	International Air Transportation Agency	SCBA	Self-Contained Breathing Apparatus
IDLH	Immediately Dangerous to Life and Health	SRM	Standard Reference Material
LC50	Lethal Concentration, 50 %	STEL	Short Term Exposure Limit
LD50	Lethal Dose, 50 %	TLV	Threshold Limit Value
LEL	Lower Explosive Limit	TPQ	Threshold Planning Quantity
MSDS	Material Safety Data Sheet	TSCA	Toxic Substances Control Act
NFPA	National Fire Protection Association	TWA	Time Weighted Average
NIOSH	National Institute for Occupational Safety and Health	UEL	Upper Explosive Limit
NIST	National Institute of Standards and Technology	WHMIS	Workplace Hazardous Materials Information System

Disclaimer: Physical and chemical data contained in this SDS are provided only for use in assessing the hazardous nature of the material. The SDS was prepared carefully, using current references; however, NIST does not certify the data in the SDS. The certified values for this material are given in the NIST Certificate of Analysis.

Users of this SRM should ensure that the SDS in their possession is current. This can be accomplished by contacting the SRM Program: telephone (301) 975-2200; fax (301) 948-3730; e-mail srminfo@nist.gov; or via the Internet at http://www.nist.gov/srm.

Bill to: 68455 DAVE MITCHELL ANALYTICAL RESOURCES INC 4611 S 134TH PLACE SUITE 100 TUKWILA, WA 98168-3240 1 (206)695-6205	**Ship to:** 68456 DAVE MITCHELL ANALYTICAL RESOURCES INC 4611 S 134TH PLACE SUITE 100 TUKWILA, WA 98168-3240 1 (206)695-6205

Ship via	UPS Ground	**Description**		**Ship from**	
Salesmen	MCMIDM2	**Instructions**		**Blanket**	
Contact	DAVE MITCHELL	**Pro#**		**Truck#**	

Order discrepancies (other than back ordered items) must be reported to our Customer Relations Department at 301-975-6776 within 5 days of receipt of shipment or this order will be considered complete. NIST SRMs/RMs are generally not returnable - with the exception of defective goods or shipments made in error by NIST. To return a SRM/RM, please call for instructions and a Return SRM/RM Authorization Number before shipment. Returns WILL NOT BE ACCEPTED without prior authorization.

Order	UOM	Ship	UOM	B/O	UOM	Item	Description
1	EACH	1	EACH	0	EACH	1941B	Organics in Marine Sediment
						Total qty:	1 / EACH
							NOT FOR HUMAN CONSUMPTION, LABORATORY USE ONLY.

9/21/16
04:04 PM

1700101

Picked by	
Packed by	
# of pieces	
Weight	

MP Biomedicals, LLC

29525 Fountain Parkway
Solon, Ohio 44139

Telephone: 440/337-1200
Toll Free: 800/854-0530

Fax: 440/337-1180
web: www.mpbio.com

Certificate of Analysis

Product Description: Microcrystalline Cellulose Powder_
Catalog Number: 191499_
Lot: Q9483_

Formula: $(C_6H_{10}O_5)n$
CAS #: 9004-34-6
Physical Description: White Powder

Formula Weight: N/A
Storage: 15 - 30°C

Test	Specification	Result
Identity Test	Passes	Passes
Purity	97.0 - 102.0%	97.0 - 102.0%
Moisture	<5.0%	3.4%
Particle Size/Mesh +60 mesh +200 mesh	Wt % <8% >45%	 <1% 55%
pH	5 - 7	6.73
Residue on Ignition	<0.05%	<0.05%
Water Soluble Substances	<12.0 mg/5 g	4.5 mg/5 g
Heavy Metals	<10 ppm	<10 ppm

H001822
Microcrystalline Cellulose Powder (TOC)
Expires 11/30/2022
Prepared By Casey English 2/22/2019

Identification A & B: Passes
Bulk Density: 0.29 g/ml
Bulk Density (graduated cylinder): 0.31 g/ml
Conductivity: 18 µS/cm
Starch: Negative
Ether Soluble Substances: 0.01%
Total Aerobic microbial Count: 100 cfu/g
Total Mold and Yeast Count: 20 cfu/g
Staphylococcus aureus: Absent/1 g
Pseudomonas aeruginosa: Absent/1 g
E. coli: Absent/1 g
Salmonella: Absent/10 g
Particle size:

- 450 mesh: 77%
- d10: 37 um
- d50: 139 um
- d90: 271 um

TUP: <9/600 cm^2
Degree of brightness: >88%
Powder flow-angle of repose: <42°
Recommended Retest Date: 11/30/2022

JHuang

07/26/2018 - John Huang, PhD
MP Biomedicals, LLC.
Quality Control Manager

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MP Biomedicals, LLC
29525 Fountain Parkway
Solon, Ohio 44139
Telephone: 440/337-1200
Toll Free: 800/854-0530
Fax: 440/337-1180
web: www.mpbio.com

Certificate of Analysis

Product Description: Microcrystalline Cellulose Powder_
Catalog Number: 191499_
Lot: Q9483_

Formula: $(C_6H_{10}O_5)n$
CAS #: 9004-34-6
Physical Description: White Powder

Formula Weight: N/A
Storage: 15 - 30°C

Test	Specification	Result
Identity Test	Passes	Passes
Purity	97.0 - 102.0%	97.0 - 102.0%
Moisture	<5.0%	3.4%
Particle Size/Mesh +60 mesh +200 mesh	Wt % <8% >45%	 <1% 55%
pH	5 - 7	6.73
Residue on Ignition	<0.05%	<0.05%
Water Soluble Substances	<12.0 mg/5 g	4.5 mg/5 g
Heavy Metals	<10 ppm	<10 ppm

H001822
Microcrystalline Cellulose Powder (TOC)
Expires 11/30/2022
Prepared By Casey English 2/22/2019

Identification A & B: Passes
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Bulk Density (graduated cylinder): 0.31 g/ml
Conductivity: 18 μS/cm
Starch: Negative
Ether Soluble Substances: 0.01%
Total Aerobic microbial Count: 100 cfu/g
Total Mold and Yeast Count: 20 cfu/g
Staphylococcus aureus: Absent/1 g
Pseudomonas aeruginosa: Absent/1 g
E. coli: Absent/1 g
Salmonella: Absent/10 g
Particle size:

- 450 mesh: 77%
- d10: 37 um
- d50: 139 um
- d90: 271 um

TUP: <9/600 cm^2

Degree of brightness: >88%

Powder flow-angle of repose: <42°

Recommended Retest Date: 11/30/2022

JHuang

07/26/2018 - John Huang, PhD
MP Biomedicals, LLC.
Quality Control Manager

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Certificate of Analysis

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Moisture	<5.0%	3.4%
Particle Size/Mesh +60 mesh +200 mesh	Wt % <8% >45%	 <1% 55%
pH	5 - 7	6.73
Residue on Ignition	<0.05%	<0.05%
Water Soluble Substances	<12.0 mg/5 g	4.5 mg/5 g
Heavy Metals	<10 ppm	<10 ppm

H001822
Microcrystalline Cellulose Powder (TOC)
Expires 11/30/2022
Prepared By Casey English 2/22/2019

Identification A & B: Passes
Bulk Density: 0.29 g/ml
Bulk Density (graduated cylinder): 0.31 g/ml
Conductivity: 18 µS/cm
Starch: Negative
Ether Soluble Substances: 0.01%
Total Aerobic microbial Count: 100 cfu/g
Total Mold and Yeast Count: 20 cfu/g
Staphylococcus aureus: Absent/1 g
Pseudomonas aeruginosa: Absent/1 g
E. coli: Absent/1 g
Salmonella: Absent/10 g
Particle size:

- 450 mesh: 77%
- d10: 37 um
- d50: 139 um
- d90: 271 um

TUP: <9/600 cm^2

Degree of brightness: >88%

Powder flow-angle of repose: <42°

Recommended Retest Date: 11/30/2022

J Huang

07/26/2018 - John Huang, PhD

MP Biomedicals, LLC.

Quality Control Manager

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LDW22-IT793A

Laboratory:	Analytical Resources, LLC				
Client:	Anchor QEA, LLC				
Project:	AOC4 UR Phase 3				
Matrix:	Sediment	Laboratory ID:	22L0307-01 C	SDG:	22L0307
Sampled:	12/12/22 08:26	Prepared:	12/15/22 09:44	File ID:	
% Solids:	73.75	Preparation:	No Prep Wet Chem	Analyzed:	12/15/22 09:50
Batch:	BKL0390	Sequence:		Initial/Final:	5 g Wet / 5 g
Instrument:	BAL2			Calibration:	

CAS NO.	Analyte	Concentration (%)	Dilution Factor	MDL	MRL	Q
	Total Solids	73.75	1	0.04	0.04	

Form I
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SM 2540 G-97

LDW22-IT793B

Laboratory:	Analytical Resources, LLC				
Client:	Anchor QEA, LLC				
Project:	AOC4 UR Phase 3				
Matrix:	Sediment	Laboratory ID:	22L0307-02 C	SDG:	22L0307
Sampled:	12/12/22 08:26	Prepared:	12/15/22 09:44	File ID:	
% Solids:	71.12	Preparation:	No Prep Wet Chem	Analyzed:	12/15/22 09:50
Batch:	BKL0390	Sequence:		Initial/Final:	5 g Wet / 5 g
Instrument:	BAL2			Calibration:	

CAS NO.	Analyte	Concentration (%)	Dilution Factor	MDL	MRL	Q
	Total Solids	71.12	1	0.04	0.04	

Analytical Resources, LLC
Analytical Chemists and Consultants

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LDW22-IT793C

Laboratory:	Analytical Resources, LLC				
Client:	Anchor QEA, LLC				
Project:	AOC4 UR Phase 3				
Matrix:	Sediment	Laboratory ID:	22L0307-03 C	SDG:	22L0307
Sampled:	12/12/22 08:26	Prepared:	12/15/22 09:44	File ID:	
% Solids:	71.26	Preparation:	No Prep Wet Chem	Analyzed:	12/15/22 09:50
Batch:	BKL0390	Sequence:		Initial/Final:	5 g Wet / 5 g
Instrument:	BAL2			Calibration:	

CAS NO.	Analyte	Concentration (%)	Dilution Factor	MDL	MRL	Q
	Total Solids	71.26	1	0.04	0.04	

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SM 2540 G-97

LDW22-IT793D

Laboratory:	Analytical Resources, LLC				
Client:	Anchor QEA, LLC				
Project:	AOC4 UR Phase 3				
Matrix:	Sediment	Laboratory ID:	22L0307-04 C	SDG:	22L0307
Sampled:	12/12/22 08:26	Prepared:	12/15/22 09:44	File ID:	
% Solids:	71.49	Preparation:	No Prep Wet Chem	Analyzed:	12/15/22 09:50
Batch:	BKL0390	Sequence:		Initial/Final:	5 g Wet / 5 g
Instrument:	BAL2			Calibration:	

CAS NO.	Analyte	Concentration (%)	Dilution Factor	MDL	MRL	Q
	Total Solids	71.49	1	0.04	0.04	

Form I
INORGANIC ANALYSIS DATA SHEET
SM 2540 G-97

LDW22-IT793D-FD

Laboratory: Analytical Resources, LLC

Client: Anchor QEA, LLC

Project: AOC4 UR Phase 3

Matrix:	Sediment	Laboratory ID:	22L0307-05 C	SDG:	22L0307
Sampled:	12/12/22 08:26	Prepared:	12/15/22 09:44	File ID:	
% Solids:	71.86	Preparation:	No Prep Wet Chem	Analyzed:	12/15/22 09:50
Batch:	BKL0390	Sequence:		Initial/Final:	5 g Wet / 5 g
Instrument:	BAL2			Calibration:	

CAS NO.	Analyte	Concentration (%)	Dilution Factor	MDL	MRL	Q
	Total Solids	71.86	1	0.04	0.04	

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SM 2540 G-97

LDW22-IT793E

Laboratory:	Analytical Resources, LLC				
Client:	Anchor QEA, LLC				
Project:	AOC4 UR Phase 3				
Matrix:	Sediment	Laboratory ID:	22L0307-06 C	SDG:	22L0307
Sampled:	12/12/22 08:26	Prepared:	12/15/22 09:44	File ID:	
% Solids:	77.65	Preparation:	No Prep Wet Chem	Analyzed:	12/15/22 09:50
Batch:	BKL0390	Sequence:		Initial/Final:	5 g Wet / 5 g
Instrument:	BAL2			Calibration:	

CAS NO.	Analyte	Concentration (%)	Dilution Factor	MDL	MRL	Q
	Total Solids	77.65	1	0.04	0.04	

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Analytical Chemists and Consultants

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LDW22-IT793F

Laboratory:	Analytical Resources, LLC				
Client:	Anchor QEA, LLC				
Project:	AOC4 UR Phase 3				
Matrix:	Sediment	Laboratory ID:	22L0307-07 C	SDG:	22L0307
Sampled:	12/12/22 08:26	Prepared:	12/15/22 09:44	File ID:	
% Solids:	78.13	Preparation:	No Prep Wet Chem	Analyzed:	12/15/22 09:50
Batch:	BKL0390	Sequence:		Initial/Final:	5 g Wet / 5 g
Instrument:	BAL2			Calibration:	

CAS NO.	Analyte	Concentration (%)	Dilution Factor	MDL	MRL	Q
	Total Solids	78.13	1	0.04	0.04	

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LDW22-IT795B

Laboratory:	Analytical Resources, LLC				
Client:	Anchor QEA, LLC				
Project:	AOC4 UR Phase 3				
Matrix:	Sediment	Laboratory ID:	22L0307-08 C	SDG:	22L0307
Sampled:	12/12/22 07:47	Prepared:	12/15/22 09:44	File ID:	
% Solids:	68.67	Preparation:	No Prep Wet Chem	Analyzed:	12/15/22 09:50
Batch:	BKL0390	Sequence:		Initial/Final:	5 g Wet / 5 g
Instrument:	BAL2			Calibration:	

CAS NO.	Analyte	Concentration (%)	Dilution Factor	MDL	MRL	Q
	Total Solids	68.67	1	0.04	0.04	

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SM 2540 G-97

LDW22-IT795C

Laboratory:	Analytical Resources, LLC				
Client:	Anchor QEA, LLC				
Project:	AOC4 UR Phase 3				
Matrix:	Sediment	Laboratory ID:	22L0307-09 C	SDG:	22L0307
Sampled:	12/12/22 07:47	Prepared:	12/15/22 09:44	File ID:	
% Solids:	71.38	Preparation:	No Prep Wet Chem	Analyzed:	12/15/22 09:50
Batch:	BKL0390	Sequence:		Initial/Final:	5 g Wet / 5 g
Instrument:	BAL2			Calibration:	

CAS NO.	Analyte	Concentration (%)	Dilution Factor	MDL	MRL	Q
	Total Solids	71.38	1	0.04	0.04	

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LDW22-IT795C-FD

Laboratory:	Analytical Resources, LLC				
Client:	Anchor QEA, LLC				
Project:	AOC4 UR Phase 3				
Matrix:	Sediment	Laboratory ID:	22L0307-10 C	SDG:	22L0307
Sampled:	12/12/22 07:47	Prepared:	12/15/22 09:44	File ID:	
% Solids:	71.61	Preparation:	No Prep Wet Chem	Analyzed:	12/15/22 09:50
Batch:	BKL0390	Sequence:		Initial/Final:	5 g Wet / 5 g
Instrument:	BAL2			Calibration:	

CAS NO.	Analyte	Concentration (%)	Dilution Factor	MDL	MRL	Q
	Total Solids	71.61	1	0.04	0.04	

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LDW22-IT795D

Laboratory:	Analytical Resources, LLC				
Client:	Anchor QEA, LLC				
Project:	AOC4 UR Phase 3				
Matrix:	Sediment	Laboratory ID:	22L0307-11 C	SDG:	22L0307
Sampled:	12/12/22 07:47	Prepared:	12/15/22 09:44	File ID:	
% Solids:	72.44	Preparation:	No Prep Wet Chem	Analyzed:	12/15/22 09:50
Batch:	BKL0390	Sequence:		Initial/Final:	5 g Wet / 5 g
Instrument:	BAL2			Calibration:	

CAS NO.	Analyte	Concentration (%)	Dilution Factor	MDL	MRL	Q
	Total Solids	72.44	1	0.04	0.04	

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LDW22-IT795E

Laboratory:	Analytical Resources, LLC				
Client:	Anchor QEA, LLC				
Project:	AOC4 UR Phase 3				
Matrix:	Sediment	Laboratory ID:	22L0307-12 C	SDG:	22L0307
Sampled:	12/12/22 07:47	Prepared:	12/15/22 09:44	File ID:	
% Solids:	75.04	Preparation:	No Prep Wet Chem	Analyzed:	12/15/22 09:50
Batch:	BKL0390	Sequence:		Initial/Final:	5 g Wet / 5 g
Instrument:	BAL2			Calibration:	

CAS NO.	Analyte	Concentration (%)	Dilution Factor	MDL	MRL	Q
	Total Solids	75.04	1	0.04	0.04	

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LDW22-IT795F

Laboratory:	Analytical Resources, LLC				
Client:	Anchor QEA, LLC				
Project:	AOC4 UR Phase 3				
Matrix:	Sediment	Laboratory ID:	22L0307-13 C	SDG:	22L0307
Sampled:	12/12/22 07:47	Prepared:	12/15/22 09:44	File ID:	
% Solids:	79.66	Preparation:	No Prep Wet Chem	Analyzed:	12/15/22 09:50
Batch:	BKL0390	Sequence:		Initial/Final:	5 g Wet / 5 g
Instrument:	BAL2			Calibration:	

CAS NO.	Analyte	Concentration (%)	Dilution Factor	MDL	MRL	Q
	Total Solids	79.66	1	0.04	0.04	

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LDW22-IT795G

Laboratory:	Analytical Resources, LLC				
Client:	Anchor QEA, LLC				
Project:	AOC4 UR Phase 3				
Matrix:	Sediment	Laboratory ID:	22L0307-14 C	SDG:	22L0307
Sampled:	12/12/22 07:47	Prepared:	12/15/22 09:44	File ID:	
% Solids:	77.77	Preparation:	No Prep Wet Chem	Analyzed:	12/15/22 09:50
Batch:	BKL0390	Sequence:		Initial/Final:	5 g Wet / 5 g
Instrument:	BAL2			Calibration:	

CAS NO.	Analyte	Concentration (%)	Dilution Factor	MDL	MRL	Q
	Total Solids	77.77	1	0.04	0.04	

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LDW22-IT806A

Laboratory:	Analytical Resources, LLC				
Client:	Anchor QEA, LLC				
Project:	AOC4 UR Phase 3				
Matrix:	Sediment	Laboratory ID:	22L0307-15 C	SDG:	22L0307
Sampled:	12/12/22 08:35	Prepared:	12/15/22 09:44	File ID:	
% Solids:	79.25	Preparation:	No Prep Wet Chem	Analyzed:	12/15/22 09:50
Batch:	BKL0390	Sequence:		Initial/Final:	5 g Wet / 5 g
Instrument:	BAL2			Calibration:	

CAS NO.	Analyte	Concentration (%)	Dilution Factor	MDL	MRL	Q
	Total Solids	79.25	1	0.04	0.04	

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Analytical Chemists and Consultants

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LDW22-IT806B

Laboratory:	Analytical Resources, LLC				
Client:	Anchor QEA, LLC				
Project:	AOC4 UR Phase 3				
Matrix:	Sediment	Laboratory ID:	22L0307-16 C	SDG:	22L0307
Sampled:	12/12/22 08:35	Prepared:	12/15/22 09:44	File ID:	
% Solids:	61.64	Preparation:	No Prep Wet Chem	Analyzed:	12/15/22 09:50
Batch:	BKL0390	Sequence:		Initial/Final:	5 g Wet / 5 g
Instrument:	BAL2			Calibration:	

CAS NO.	Analyte	Concentration (%)	Dilution Factor	MDL	MRL	Q
	Total Solids	61.64	1	0.04	0.04	

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LDW22-IT806C

Laboratory:	Analytical Resources, LLC				
Client:	Anchor QEA, LLC				
Project:	AOC4 UR Phase 3				
Matrix:	Sediment	Laboratory ID:	22L0307-17 C	SDG:	22L0307
Sampled:	12/12/22 08:35	Prepared:	12/15/22 09:44	File ID:	
% Solids:	61.85	Preparation:	No Prep Wet Chem	Analyzed:	12/15/22 09:50
Batch:	BKL0390	Sequence:		Initial/Final:	5 g Wet / 5 g
Instrument:	BAL2			Calibration:	

CAS NO.	Analyte	Concentration (%)	Dilution Factor	MDL	MRL	Q
	Total Solids	61.85	1	0.04	0.04	

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LDW22-IT806D

Laboratory:	Analytical Resources, LLC				
Client:	Anchor QEA, LLC				
Project:	AOC4 UR Phase 3				
Matrix:	Sediment	Laboratory ID:	22L0307-18 C	SDG:	22L0307
Sampled:	12/12/22 08:35	Prepared:	12/15/22 09:44	File ID:	
% Solids:	69.08	Preparation:	No Prep Wet Chem	Analyzed:	12/15/22 09:50
Batch:	BKL0390	Sequence:		Initial/Final:	5 g Wet / 5 g
Instrument:	BAL2			Calibration:	

CAS NO.	Analyte	Concentration (%)	Dilution Factor	MDL	MRL	Q
	Total Solids	69.08	1	0.04	0.04	

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LDW22-IT806E

Laboratory:	Analytical Resources, LLC				
Client:	Anchor QEA, LLC				
Project:	AOC4 UR Phase 3				
Matrix:	Sediment	Laboratory ID:	22L0307-19 C	SDG:	22L0307
Sampled:	12/12/22 08:35	Prepared:	12/15/22 09:44	File ID:	
% Solids:	76.05	Preparation:	No Prep Wet Chem	Analyzed:	12/15/22 09:50
Batch:	BKL0390	Sequence:		Initial/Final:	5 g Wet / 5 g
Instrument:	BAL2			Calibration:	

CAS NO.	Analyte	Concentration (%)	Dilution Factor	MDL	MRL	Q
	Total Solids	76.05	1	0.04	0.04	

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LDW22-IT806F

Laboratory:	Analytical Resources, LLC				
Client:	Anchor QEA, LLC				
Project:	AOC4 UR Phase 3				
Matrix:	Sediment	Laboratory ID:	22L0307-20 C	SDG:	22L0307
Sampled:	12/12/22 08:35	Prepared:	12/15/22 09:44	File ID:	
% Solids:	80.32	Preparation:	No Prep Wet Chem	Analyzed:	12/15/22 09:50
Batch:	BKL0390	Sequence:		Initial/Final:	5 g Wet / 5 g
Instrument:	BAL2			Calibration:	

CAS NO.	Analyte	Concentration (%)	Dilution Factor	MDL	MRL	Q
	Total Solids	80.32	1	0.04	0.04	

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LDW22-SC750A

Laboratory:	Analytical Resources, LLC				
Client:	Anchor QEA, LLC				
Project:	AOC4 UR Phase 3				
Matrix:	Sediment	Laboratory ID:	22L0307-21 C	SDG:	22L0307
Sampled:	12/12/22 09:26	Prepared:	12/15/22 09:45	File ID:	
% Solids:	65.51	Preparation:	No Prep Wet Chem	Analyzed:	12/15/22 09:49
Batch:	BKL0391	Sequence:		Initial/Final:	5 g Wet / 5 g
Instrument:	BAL2			Calibration:	

CAS NO.	Analyte	Concentration (%)	Dilution Factor	MDL	MRL	Q
	Total Solids	65.51	1	0.04	0.04	

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SM 2540 G-97

LDW22-SC750B

Laboratory:	Analytical Resources, LLC				
Client:	Anchor QEA, LLC				
Project:	AOC4 UR Phase 3				
Matrix:	Sediment	Laboratory ID:	22L0307-22 C	SDG:	22L0307
Sampled:	12/12/22 09:26	Prepared:	12/15/22 09:45	File ID:	
% Solids:	64.89	Preparation:	No Prep Wet Chem	Analyzed:	12/15/22 09:49
Batch:	BKL0391	Sequence:		Initial/Final:	5 g Wet / 5 g
Instrument:	BAL2			Calibration:	

CAS NO.	Analyte	Concentration (%)	Dilution Factor	MDL	MRL	Q
	Total Solids	64.89	1	0.04	0.04	

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LDW22-SC750C

Laboratory:	Analytical Resources, LLC				
Client:	Anchor QEA, LLC				
Project:	AOC4 UR Phase 3				
Matrix:	Sediment	Laboratory ID:	22L0307-23 C	SDG:	22L0307
Sampled:	12/12/22 09:26	Prepared:	12/15/22 09:45	File ID:	
% Solids:	67.65	Preparation:	No Prep Wet Chem	Analyzed:	12/15/22 09:49
Batch:	BKL0391	Sequence:		Initial/Final:	5 g Wet / 5 g
Instrument:	BAL2			Calibration:	

CAS NO.	Analyte	Concentration (%)	Dilution Factor	MDL	MRL	Q
	Total Solids	67.65	1	0.04	0.04	

Form I
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SM 2540 G-97

LDW22-SC750D

Laboratory:	Analytical Resources, LLC				
Client:	Anchor QEA, LLC				
Project:	AOC4 UR Phase 3				
Matrix:	Sediment	Laboratory ID:	22L0307-24 C	SDG:	22L0307
Sampled:	12/12/22 09:26	Prepared:	12/15/22 09:45	File ID:	
% Solids:	68.06	Preparation:	No Prep Wet Chem	Analyzed:	12/15/22 09:49
Batch:	BKL0391	Sequence:		Initial/Final:	5 g Wet / 5 g
Instrument:	BAL2			Calibration:	

CAS NO.	Analyte	Concentration (%)	Dilution Factor	MDL	MRL	Q
	Total Solids	68.06	1	0.04	0.04	

Analytical Resources, LLC
Analytical Chemists and Consultants

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SM 2540 G-97

LDW22-SC750E

Laboratory:	Analytical Resources, LLC				
Client:	Anchor QEA, LLC				
Project:	AOC4 UR Phase 3				
Matrix:	Sediment	Laboratory ID:	22L0307-25 C	SDG:	22L0307
Sampled:	12/12/22 09:26	Prepared:	12/15/22 09:45	File ID:	
% Solids:	69.42	Preparation:	No Prep Wet Chem	Analyzed:	12/15/22 09:49
Batch:	BKL0391	Sequence:		Initial/Final:	5 g Wet / 5 g
Instrument:	BAL2			Calibration:	

CAS NO.	Analyte	Concentration (%)	Dilution Factor	MDL	MRL	Q
	Total Solids	69.42	1	0.04	0.04	

Form I
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SM 2540 G-97

LDW22-SC750F

Laboratory:	Analytical Resources, LLC				
Client:	Anchor QEA, LLC				
Project:	AOC4 UR Phase 3				
Matrix:	Sediment	Laboratory ID:	22L0307-26 C	SDG:	22L0307
Sampled:	12/12/22 09:26	Prepared:	12/15/22 09:45	File ID:	
% Solids:	75.90	Preparation:	No Prep Wet Chem	Analyzed:	12/15/22 09:49
Batch:	BKL0391	Sequence:		Initial/Final:	5 g Wet / 5 g
Instrument:	BAL2			Calibration:	

CAS NO.	Analyte	Concentration (%)	Dilution Factor	MDL	MRL	Q
	Total Solids	75.90	1	0.04	0.04	

Form I
INORGANIC ANALYSIS DATA SHEET
SM 2540 G-97

LDW22-SC750G

Laboratory:	Analytical Resources, LLC				
Client:	Anchor QEA, LLC				
Project:	AOC4 UR Phase 3				
Matrix:	Sediment	Laboratory ID:	22L0307-27 C	SDG:	22L0307
Sampled:	12/12/22 09:26	Prepared:	12/15/22 09:45	File ID:	
% Solids:	68.90	Preparation:	No Prep Wet Chem	Analyzed:	12/15/22 09:49
Batch:	BKL0391	Sequence:		Initial/Final:	5 g Wet / 5 g
Instrument:	BAL2			Calibration:	

CAS NO.	Analyte	Concentration (%)	Dilution Factor	MDL	MRL	Q
	Total Solids	68.90	1	0.04	0.04	

Form I
INORGANIC ANALYSIS DATA SHEET
SM 2540 G-97

LDW22-SC750H

Laboratory:	Analytical Resources, LLC				
Client:	Anchor QEA, LLC				
Project:	AOC4 UR Phase 3				
Matrix:	Sediment	Laboratory ID:	22L0307-28 C	SDG:	22L0307
Sampled:	12/12/22 09:26	Prepared:	12/15/22 09:45	File ID:	
% Solids:	68.53	Preparation:	No Prep Wet Chem	Analyzed:	12/15/22 09:49
Batch:	BKL0391	Sequence:		Initial/Final:	5 g Wet / 5 g
Instrument:	BAL2			Calibration:	

CAS NO.	Analyte	Concentration (%)	Dilution Factor	MDL	MRL	Q
	Total Solids	68.53	1	0.04	0.04	

Form I
INORGANIC ANALYSIS DATA SHEET
SM 2540 G-97

LDW22-IT808A

Laboratory:	Analytical Resources, LLC				
Client:	Anchor QEA, LLC				
Project:	AOC4 UR Phase 3				
Matrix:	Sediment	Laboratory ID:	22L0307-29 D	SDG:	22L0307
Sampled:	12/12/22 09:46	Prepared:	12/15/22 09:45	File ID:	
% Solids:	54.81	Preparation:	No Prep Wet Chem	Analyzed:	12/15/22 09:49
Batch:	BKL0391	Sequence:		Initial/Final:	5 g Wet / 5 g
Instrument:	BAL2			Calibration:	

CAS NO.	Analyte	Concentration (%)	Dilution Factor	MDL	MRL	Q
	Total Solids	54.81	1	0.04	0.04	

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Form I
INORGANIC ANALYSIS DATA SHEET
SM 2540 G-97

LDW22-IT808B

Laboratory:	Analytical Resources, LLC				
Client:	Anchor QEA, LLC				
Project:	AOC4 UR Phase 3				
Matrix:	Sediment	Laboratory ID:	22L0307-30 D	SDG:	22L0307
Sampled:	12/12/22 09:46	Prepared:	12/15/22 09:45	File ID:	
% Solids:	58.32	Preparation:	No Prep Wet Chem	Analyzed:	12/15/22 09:49
Batch:	BKL0391	Sequence:		Initial/Final:	5 g Wet / 5 g
Instrument:	BAL2			Calibration:	

CAS NO.	Analyte	Concentration (%)	Dilution Factor	MDL	MRL	Q
	Total Solids	58.32	1	0.04	0.04	

Form I
INORGANIC ANALYSIS DATA SHEET
SM 2540 G-97

LDW22-IT808C

Laboratory:	Analytical Resources, LLC				
Client:	Anchor QEA, LLC				
Project:	AOC4 UR Phase 3				
Matrix:	Sediment	Laboratory ID:	22L0307-31 D	SDG:	22L0307
Sampled:	12/12/22 09:46	Prepared:	12/15/22 09:45	File ID:	
% Solids:	53.02	Preparation:	No Prep Wet Chem	Analyzed:	12/15/22 09:49
Batch:	BKL0391	Sequence:		Initial/Final:	5 g Wet / 5 g
Instrument:	BAL2			Calibration:	

CAS NO.	Analyte	Concentration (%)	Dilution Factor	MDL	MRL	Q
	Total Solids	53.02	1	0.04	0.04	

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Form I
INORGANIC ANALYSIS DATA SHEET
SM 2540 G-97

LDW22-IT808D

Laboratory: Analytical Resources, LLC

Client: Anchor QEA, LLC

Project: AOC4 UR Phase 3

Matrix:	Sediment	Laboratory ID:	22L0307-32 D	SDG:	22L0307
Sampled:	12/12/22 09:46	Prepared:	12/15/22 09:45	File ID:	
% Solids:	61.70	Preparation:	No Prep Wet Chem	Analyzed:	12/15/22 09:49
Batch:	BKL0391	Sequence:		Initial/Final:	5 g Wet / 5 g
Instrument:	BAL2			Calibration:	

CAS NO.	Analyte	Concentration (%)	Dilution Factor	MDL	MRL	Q
	Total Solids	61.70	1	0.04	0.04	

Form I
INORGANIC ANALYSIS DATA SHEET
SM 2540 G-97

LDW22-IT808E

Laboratory:	Analytical Resources, LLC				
Client:	Anchor QEA, LLC				
Project:	AOC4 UR Phase 3				
Matrix:	Sediment	Laboratory ID:	22L0307-33 D	SDG:	22L0307
Sampled:	12/12/22 09:46	Prepared:	12/15/22 09:45	File ID:	
% Solids:	82.39	Preparation:	No Prep Wet Chem	Analyzed:	12/15/22 09:49
Batch:	BKL0391	Sequence:		Initial/Final:	5 g Wet / 5 g
Instrument:	BAL2			Calibration:	

CAS NO.	Analyte	Concentration (%)	Dilution Factor	MDL	MRL	Q
	Total Solids	82.39	1	0.04	0.04	

Form I
INORGANIC ANALYSIS DATA SHEET
SM 2540 G-97

LDW22-IT808F

Laboratory:	Analytical Resources, LLC				
Client:	Anchor QEA, LLC				
Project:	AOC4 UR Phase 3				
Matrix:	Sediment	Laboratory ID:	22L0307-34 D	SDG:	22L0307
Sampled:	12/12/22 09:46	Prepared:	12/15/22 09:45	File ID:	
% Solids:	80.65	Preparation:	No Prep Wet Chem	Analyzed:	12/15/22 09:49
Batch:	BKL0391	Sequence:		Initial/Final:	5 g Wet / 5 g
Instrument:	BAL2			Calibration:	

CAS NO.	Analyte	Concentration (%)	Dilution Factor	MDL	MRL	Q
	Total Solids	80.65	1	0.04	0.04	

Form I
INORGANIC ANALYSIS DATA SHEET
SM 2540 G-97

LDW22-SC804B

Laboratory:	Analytical Resources, LLC				
Client:	Anchor QEA, LLC				
Project:	AOC4 UR Phase 3				
Matrix:	Sediment	Laboratory ID:	22L0307-35 C	SDG:	22L0307
Sampled:	12/12/22 11:18	Prepared:	12/15/22 09:45	File ID:	
% Solids:	69.42	Preparation:	No Prep Wet Chem	Analyzed:	12/15/22 09:49
Batch:	BKL0391	Sequence:		Initial/Final:	5 g Wet / 5 g
Instrument:	BAL2			Calibration:	

CAS NO.	Analyte	Concentration (%)	Dilution Factor	MDL	MRL	Q
	Total Solids	69.42	1	0.04	0.04	

Form I
INORGANIC ANALYSIS DATA SHEET
SM 2540 G-97

LDW22-SC804C

Laboratory:	Analytical Resources, LLC				
Client:	Anchor QEA, LLC				
Project:	AOC4 UR Phase 3				
Matrix:	Sediment	Laboratory ID:	22L0307-36 C	SDG:	22L0307
Sampled:	12/12/22 11:18	Prepared:	12/15/22 09:45	File ID:	
% Solids:	80.96	Preparation:	No Prep Wet Chem	Analyzed:	12/15/22 09:49
Batch:	BKL0391	Sequence:		Initial/Final:	5 g Wet / 5 g
Instrument:	BAL2			Calibration:	

CAS NO.	Analyte	Concentration (%)	Dilution Factor	MDL	MRL	Q
	Total Solids	80.96	1	0.04	0.04	

Form I
INORGANIC ANALYSIS DATA SHEET
SM 2540 G-97

LDW22-SC804D

Laboratory:	Analytical Resources, LLC				
Client:	Anchor QEA, LLC				
Project:	AOC4 UR Phase 3				
Matrix:	Sediment	Laboratory ID:	22L0307-37 C	SDG:	22L0307
Sampled:	12/12/22 11:18	Prepared:	12/15/22 09:45	File ID:	
% Solids:	60.16	Preparation:	No Prep Wet Chem	Analyzed:	12/15/22 09:49
Batch:	BKL0391	Sequence:		Initial/Final:	5 g Wet / 5 g
Instrument:	BAL2			Calibration:	

CAS NO.	Analyte	Concentration (%)	Dilution Factor	MDL	MRL	Q
	Total Solids	60.16	1	0.04	0.04	

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Form I
INORGANIC ANALYSIS DATA SHEET
SM 2540 G-97

LDW22-SC804E

Laboratory:	Analytical Resources, LLC				
Client:	Anchor QEA, LLC				
Project:	AOC4 UR Phase 3				
Matrix:	Sediment	Laboratory ID:	22L0307-38 C	SDG:	22L0307
Sampled:	12/12/22 11:18	Prepared:	12/15/22 09:45	File ID:	
% Solids:	78.89	Preparation:	No Prep Wet Chem	Analyzed:	12/15/22 09:49
Batch:	BKL0391	Sequence:		Initial/Final:	5 g Wet / 5 g
Instrument:	BAL2			Calibration:	

CAS NO.	Analyte	Concentration (%)	Dilution Factor	MDL	MRL	Q
	Total Solids	78.89	1	0.04	0.04	

Form I
INORGANIC ANALYSIS DATA SHEET
SM 2540 G-97

LDW22-SC804F

Laboratory:	Analytical Resources, LLC				
Client:	Anchor QEA, LLC				
Project:	AOC4 UR Phase 3				
Matrix:	Sediment	Laboratory ID:	22L0307-39 C	SDG:	22L0307
Sampled:	12/12/22 11:18	Prepared:	12/15/22 09:45	File ID:	
% Solids:	72.89	Preparation:	No Prep Wet Chem	Analyzed:	12/15/22 09:49
Batch:	BKL0391	Sequence:		Initial/Final:	5 g Wet / 5 g
Instrument:	BAL2			Calibration:	

CAS NO.	Analyte	Concentration (%)	Dilution Factor	MDL	MRL	Q
	Total Solids	72.89	1	0.04	0.04	

Form I
INORGANIC ANALYSIS DATA SHEET
SM 2540 G-97

LDW22-SC804F-FD

Laboratory:	Analytical Resources, LLC				
Client:	Anchor QEA, LLC				
Project:	AOC4 UR Phase 3				
Matrix:	Sediment	Laboratory ID:	22L0307-40 C	SDG:	22L0307
Sampled:	12/12/22 11:18	Prepared:	12/15/22 09:45	File ID:	
% Solids:	73.41	Preparation:	No Prep Wet Chem	Analyzed:	12/15/22 09:49
Batch:	BKL0391	Sequence:		Initial/Final:	5 g Wet / 5 g
Instrument:	BAL2			Calibration:	

CAS NO.	Analyte	Concentration (%)	Dilution Factor	MDL	MRL	Q
	Total Solids	73.41	1	0.04	0.04	

Form I
INORGANIC ANALYSIS DATA SHEET
SM 2540 G-97

LDW22-SC804G

Laboratory:	Analytical Resources, LLC				
Client:	Anchor QEA, LLC				
Project:	AOC4 UR Phase 3				
Matrix:	Sediment	Laboratory ID:	22L0307-41 C	SDG:	22L0307
Sampled:	12/12/22 11:18	Prepared:	12/15/22 09:47	File ID:	
% Solids:	70.39	Preparation:	No Prep Wet Chem	Analyzed:	12/15/22 09:49
Batch:	BKL0392	Sequence:		Initial/Final:	5 g Wet / 5 g
Instrument:	BAL2			Calibration:	

CAS NO.	Analyte	Concentration (%)	Dilution Factor	MDL	MRL	Q
	Total Solids	70.39	1	0.04	0.04	

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Form I
INORGANIC ANALYSIS DATA SHEET
SM 2540 G-97

LDW22-SC804H

Laboratory:	Analytical Resources, LLC				
Client:	Anchor QEA, LLC				
Project:	AOC4 UR Phase 3				
Matrix:	Sediment	Laboratory ID:	22L0307-42 C	SDG:	22L0307
Sampled:	12/12/22 11:18	Prepared:	12/15/22 09:47	File ID:	
% Solids:	74.12	Preparation:	No Prep Wet Chem	Analyzed:	12/15/22 09:49
Batch:	BKL0392	Sequence:		Initial/Final:	5 g Wet / 5 g
Instrument:	BAL2			Calibration:	

CAS NO.	Analyte	Concentration (%)	Dilution Factor	MDL	MRL	Q
	Total Solids	74.12	1	0.04	0.04	

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Form I
INORGANIC ANALYSIS DATA SHEET
SM 2540 G-97

LDW22-SC752A

Laboratory:	Analytical Resources, LLC				
Client:	Anchor QEA, LLC				
Project:	AOC4 UR Phase 3				
Matrix:	Sediment	Laboratory ID:	22L0307-43 C	SDG:	22L0307
Sampled:	12/12/22 11:01	Prepared:	12/15/22 09:47	File ID:	
% Solids:	68.83	Preparation:	No Prep Wet Chem	Analyzed:	12/15/22 09:49
Batch:	BKL0392	Sequence:		Initial/Final:	5 g Wet / 5 g
Instrument:	BAL2			Calibration:	

CAS NO.	Analyte	Concentration (%)	Dilution Factor	MDL	MRL	Q
	Total Solids	68.83	1	0.04	0.04	

Form I
INORGANIC ANALYSIS DATA SHEET
SM 2540 G-97

LDW22-SC752B

Laboratory:	Analytical Resources, LLC				
Client:	Anchor QEA, LLC				
Project:	AOC4 UR Phase 3				
Matrix:	Sediment	Laboratory ID:	22L0307-44 C	SDG:	22L0307
Sampled:	12/12/22 11:01	Prepared:	12/15/22 09:47	File ID:	
% Solids:	71.27	Preparation:	No Prep Wet Chem	Analyzed:	12/15/22 09:49
Batch:	BKL0392	Sequence:		Initial/Final:	5 g Wet / 5 g
Instrument:	BAL2			Calibration:	

CAS NO.	Analyte	Concentration (%)	Dilution Factor	MDL	MRL	Q
	Total Solids	71.27	1	0.04	0.04	

Form I
INORGANIC ANALYSIS DATA SHEET
SM 2540 G-97

LDW22-SC752C

Laboratory:	Analytical Resources, LLC				
Client:	Anchor QEA, LLC				
Project:	AOC4 UR Phase 3				
Matrix:	Sediment	Laboratory ID:	22L0307-45 C	SDG:	22L0307
Sampled:	12/12/22 11:01	Prepared:	12/15/22 09:47	File ID:	
% Solids:	70.58	Preparation:	No Prep Wet Chem	Analyzed:	12/15/22 09:49
Batch:	BKL0392	Sequence:		Initial/Final:	5 g Wet / 5 g
Instrument:	BAL2			Calibration:	

CAS NO.	Analyte	Concentration (%)	Dilution Factor	MDL	MRL	Q
	Total Solids	70.58	1	0.04	0.04	

Form I
INORGANIC ANALYSIS DATA SHEET
SM 2540 G-97

LDW22-SC752D

Laboratory:	Analytical Resources, LLC				
Client:	Anchor QEA, LLC				
Project:	AOC4 UR Phase 3				
Matrix:	Sediment	Laboratory ID:	22L0307-46 C	SDG:	22L0307
Sampled:	12/12/22 11:01	Prepared:	12/15/22 09:47	File ID:	
% Solids:	66.33	Preparation:	No Prep Wet Chem	Analyzed:	12/15/22 09:49
Batch:	BKL0392	Sequence:		Initial/Final:	5 g Wet / 5 g
Instrument:	BAL2			Calibration:	

CAS NO.	Analyte	Concentration (%)	Dilution Factor	MDL	MRL	Q
	Total Solids	66.33	1	0.04	0.04	

Form I
INORGANIC ANALYSIS DATA SHEET
SM 2540 G-97

LDW22-SC752E

Laboratory:	Analytical Resources, LLC				
Client:	Anchor QEA, LLC				
Project:	AOC4 UR Phase 3				
Matrix:	Sediment	Laboratory ID:	22L0307-47 C	SDG:	22L0307
Sampled:	12/12/22 11:01	Prepared:	12/15/22 09:47	File ID:	
% Solids:	68.12	Preparation:	No Prep Wet Chem	Analyzed:	12/15/22 09:49
Batch:	BKL0392	Sequence:		Initial/Final:	5 g Wet / 5 g
Instrument:	BAL2			Calibration:	

CAS NO.	Analyte	Concentration (%)	Dilution Factor	MDL	MRL	Q
	Total Solids	68.12	1	0.04	0.04	

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Form I
INORGANIC ANALYSIS DATA SHEET
SM 2540 G-97

LDW22-SC752F

Laboratory:	Analytical Resources, LLC				
Client:	Anchor QEA, LLC				
Project:	AOC4 UR Phase 3				
Matrix:	Sediment	Laboratory ID:	22L0307-48 C	SDG:	22L0307
Sampled:	12/12/22 11:01	Prepared:	12/15/22 09:47	File ID:	
% Solids:	65.23	Preparation:	No Prep Wet Chem	Analyzed:	12/15/22 09:49
Batch:	BKL0392	Sequence:		Initial/Final:	5 g Wet / 5 g
Instrument:	BAL2			Calibration:	

CAS NO.	Analyte	Concentration (%)	Dilution Factor	MDL	MRL	Q
	Total Solids	65.23	1	0.04	0.04	

Form I
INORGANIC ANALYSIS DATA SHEET
SM 2540 G-97

LDW22-SC752G

Laboratory: Analytical Resources, LLC

Client: Anchor QEA, LLC

Project: AOC4 UR Phase 3

Matrix:	Sediment	Laboratory ID:	22L0307-49 C	SDG:	22L0307
Sampled:	12/12/22 11:01	Prepared:	12/15/22 09:47	File ID:	
% Solids:	75.21	Preparation:	No Prep Wet Chem	Analyzed:	12/15/22 09:49
Batch:	BKL0392	Sequence:		Initial/Final:	5 g Wet / 5 g
Instrument:	BAL2			Calibration:	

CAS NO.	Analyte	Concentration (%)	Dilution Factor	MDL	MRL	Q
	Total Solids	75.21	1	0.04	0.04	

Form I
INORGANIC ANALYSIS DATA SHEET
SM 2540 G-97

LDW22-SC752H

Laboratory:	Analytical Resources, LLC				
Client:	Anchor QEA, LLC				
Project:	AOC4 UR Phase 3				
Matrix:	Sediment	Laboratory ID:	22L0307-50 C	SDG:	22L0307
Sampled:	12/12/22 11:01	Prepared:	12/15/22 09:47	File ID:	
% Solids:	77.14	Preparation:	No Prep Wet Chem	Analyzed:	12/15/22 09:49
Batch:	BKL0392	Sequence:		Initial/Final:	5 g Wet / 5 g
Instrument:	BAL2			Calibration:	

CAS NO.	Analyte	Concentration (%)	Dilution Factor	MDL	MRL	Q
	Total Solids	77.14	1	0.04	0.04	

Form I
INORGANIC ANALYSIS DATA SHEET
SM 2540 G-97

LDW22-SC752B-FD

Laboratory:	Analytical Resources, LLC				
Client:	Anchor QEA, LLC				
Project:	AOC4 UR Phase 3				
Matrix:	Sediment	Laboratory ID:	22L0307-51 C	SDG:	22L0307
Sampled:	12/12/22 11:01	Prepared:	12/15/22 09:47	File ID:	
% Solids:	72.82	Preparation:	No Prep Wet Chem	Analyzed:	12/15/22 09:49
Batch:	BKL0392	Sequence:		Initial/Final:	5 g Wet / 5 g
Instrument:	BAL2			Calibration:	

CAS NO.	Analyte	Concentration (%)	Dilution Factor	MDL	MRL	Q
	Total Solids	72.82	1	0.04	0.04	

Form I
INORGANIC ANALYSIS DATA SHEET
SM 2540 G-97

LDW22-SC800A

Laboratory:	Analytical Resources, LLC				
Client:	Anchor QEA, LLC				
Project:	AOC4 UR Phase 3				
Matrix:	Sediment	Laboratory ID:	22L0307-52 C	SDG:	22L0307
Sampled:	12/12/22 12:14	Prepared:	12/15/22 09:47	File ID:	
% Solids:	43.92	Preparation:	No Prep Wet Chem	Analyzed:	12/15/22 09:49
Batch:	BKL0392	Sequence:		Initial/Final:	5 g Wet / 5 g
Instrument:	BAL2			Calibration:	

CAS NO.	Analyte	Concentration (%)	Dilution Factor	MDL	MRL	Q
	Total Solids	43.92	1	0.04	0.04	

Form I
INORGANIC ANALYSIS DATA SHEET
SM 2540 G-97

LDW22-SC800B

Laboratory:	Analytical Resources, LLC				
Client:	Anchor QEA, LLC				
Project:	AOC4 UR Phase 3				
Matrix:	Sediment	Laboratory ID:	22L0307-53 C	SDG:	22L0307
Sampled:	12/12/22 12:14	Prepared:	12/15/22 09:47	File ID:	
% Solids:	49.42	Preparation:	No Prep Wet Chem	Analyzed:	12/15/22 09:49
Batch:	BKL0392	Sequence:		Initial/Final:	5 g Wet / 5 g
Instrument:	BAL2			Calibration:	

CAS NO.	Analyte	Concentration (%)	Dilution Factor	MDL	MRL	Q
	Total Solids	49.42	1	0.04	0.04	

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Form I
INORGANIC ANALYSIS DATA SHEET
SM 2540 G-97

LDW22-SC800C

Laboratory:	Analytical Resources, LLC				
Client:	Anchor QEA, LLC				
Project:	AOC4 UR Phase 3				
Matrix:	Sediment	Laboratory ID:	22L0307-54 C	SDG:	22L0307
Sampled:	12/12/22 12:14	Prepared:	12/15/22 09:47	File ID:	
% Solids:	56.93	Preparation:	No Prep Wet Chem	Analyzed:	12/15/22 09:49
Batch:	BKL0392	Sequence:		Initial/Final:	5 g Wet / 5 g
Instrument:	BAL2			Calibration:	

CAS NO.	Analyte	Concentration (%)	Dilution Factor	MDL	MRL	Q
	Total Solids	56.93	1	0.04	0.04	

Form I
INORGANIC ANALYSIS DATA SHEET
SM 2540 G-97

LDW22-SC800D

Laboratory:	Analytical Resources, LLC				
Client:	Anchor QEA, LLC				
Project:	AOC4 UR Phase 3				
Matrix:	Sediment	Laboratory ID:	22L0307-55 C	SDG:	22L0307
Sampled:	12/12/22 12:14	Prepared:	12/15/22 09:47	File ID:	
% Solids:	59.93	Preparation:	No Prep Wet Chem	Analyzed:	12/15/22 09:49
Batch:	BKL0392	Sequence:		Initial/Final:	5 g Wet / 5 g
Instrument:	BAL2			Calibration:	

CAS NO.	Analyte	Concentration (%)	Dilution Factor	MDL	MRL	Q
	Total Solids	59.93	1	0.04	0.04	

Form I
INORGANIC ANALYSIS DATA SHEET
SM 2540 G-97

LDW22-SC800E

Laboratory:	Analytical Resources, LLC				
Client:	Anchor QEA, LLC				
Project:	AOC4 UR Phase 3				
Matrix:	Sediment	Laboratory ID:	22L0307-56 C	SDG:	22L0307
Sampled:	12/12/22 12:14	Prepared:	12/15/22 09:47	File ID:	
% Solids:	65.68	Preparation:	No Prep Wet Chem	Analyzed:	12/15/22 09:49
Batch:	BKL0392	Sequence:		Initial/Final:	5 g Wet / 5 g
Instrument:	BAL2			Calibration:	

CAS NO.	Analyte	Concentration (%)	Dilution Factor	MDL	MRL	Q
	Total Solids	65.68	1	0.04	0.04	

Form I
INORGANIC ANALYSIS DATA SHEET
SM 2540 G-97

LDW22-SC800F

Laboratory:	Analytical Resources, LLC				
Client:	Anchor QEA, LLC				
Project:	AOC4 UR Phase 3				
Matrix:	Sediment	Laboratory ID:	22L0307-57 C	SDG:	22L0307
Sampled:	12/12/22 12:14	Prepared:	12/15/22 09:47	File ID:	
% Solids:	55.51	Preparation:	No Prep Wet Chem	Analyzed:	12/15/22 09:49
Batch:	BKL0392	Sequence:		Initial/Final:	5 g Wet / 5 g
Instrument:	BAL2			Calibration:	

CAS NO.	Analyte	Concentration (%)	Dilution Factor	MDL	MRL	Q
	Total Solids	55.51	1	0.04	0.04	

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Form I
INORGANIC ANALYSIS DATA SHEET
SM 2540 G-97

LDW22-SC800G

Laboratory:	Analytical Resources, LLC				
Client:	Anchor QEA, LLC				
Project:	AOC4 UR Phase 3				
Matrix:	Sediment	Laboratory ID:	22L0307-58 C	SDG:	22L0307
Sampled:	12/12/22 12:14	Prepared:	12/15/22 09:47	File ID:	
% Solids:	68.78	Preparation:	No Prep Wet Chem	Analyzed:	12/15/22 09:49
Batch:	BKL0392	Sequence:		Initial/Final:	5 g Wet / 5 g
Instrument:	BAL2			Calibration:	

CAS NO.	Analyte	Concentration (%)	Dilution Factor	MDL	MRL	Q
	Total Solids	68.78	1	0.04	0.04	

Analytical Resources, LLC
Analytical Chemists and Consultants

Form I
INORGANIC ANALYSIS DATA SHEET
SM 2540 G-97

LDW22-SC800H

Laboratory:	Analytical Resources, LLC				
Client:	Anchor QEA, LLC				
Project:	AOC4 UR Phase 3				
Matrix:	Sediment	Laboratory ID:	22L0307-59 C	SDG:	22L0307
Sampled:	12/12/22 12:14	Prepared:	12/15/22 09:47	File ID:	
% Solids:	63.88	Preparation:	No Prep Wet Chem	Analyzed:	12/15/22 09:49
Batch:	BKL0392	Sequence:		Initial/Final:	5 g Wet / 5 g
Instrument:	BAL2			Calibration:	

CAS NO.	Analyte	Concentration (%)	Dilution Factor	MDL	MRL	Q
	Total Solids	63.88	1	0.04	0.04	

Form I
INORGANIC ANALYSIS DATA SHEET
SM 2540 G-97

LDW22-SC783B

Laboratory:	Analytical Resources, LLC				
Client:	Anchor QEA, LLC				
Project:	AOC4 UR Phase 3				
Matrix:	Sediment	Laboratory ID:	22L0307-60 C	SDG:	22L0307
Sampled:	12/12/22 12:59	Prepared:	12/15/22 09:47	File ID:	
% Solids:	57.84	Preparation:	No Prep Wet Chem	Analyzed:	12/15/22 09:49
Batch:	BKL0392	Sequence:		Initial/Final:	5 g Wet / 5 g
Instrument:	BAL2			Calibration:	

CAS NO.	Analyte	Concentration (%)	Dilution Factor	MDL	MRL	Q
	Total Solids	57.84	1	0.04	0.04	

Form I
INORGANIC ANALYSIS DATA SHEET
SM 2540 G-97

LDW22-SC783C

Laboratory:	Analytical Resources, LLC				
Client:	Anchor QEA, LLC				
Project:	AOC4 UR Phase 3				
Matrix:	Sediment	Laboratory ID:	22L0307-61 C	SDG:	22L0307
Sampled:	12/12/22 12:59	Prepared:	12/15/22 12:04	File ID:	
% Solids:	65.26	Preparation:	No Prep Wet Chem	Analyzed:	12/15/22 12:06
Batch:	BKL0399	Sequence:		Initial/Final:	5 g Wet / 5 g
Instrument:	BAL2			Calibration:	

CAS NO.	Analyte	Concentration (%)	Dilution Factor	MDL	MRL	Q
	Total Solids	65.26	1	0.04	0.04	

Form I
INORGANIC ANALYSIS DATA SHEET
SM 2540 G-97

LDW22-SC783D

Laboratory:	Analytical Resources, LLC				
Client:	Anchor QEA, LLC				
Project:	AOC4 UR Phase 3				
Matrix:	Sediment	Laboratory ID:	22L0307-62 C	SDG:	22L0307
Sampled:	12/12/22 12:59	Prepared:	12/15/22 12:04	File ID:	
% Solids:	58.88	Preparation:	No Prep Wet Chem	Analyzed:	12/15/22 12:06
Batch:	BKL0399	Sequence:		Initial/Final:	5 g Wet / 5 g
Instrument:	BAL2			Calibration:	

CAS NO.	Analyte	Concentration (%)	Dilution Factor	MDL	MRL	Q
	Total Solids	58.88	1	0.04	0.04	

Form I
INORGANIC ANALYSIS DATA SHEET
SM 2540 G-97

LDW22-SC783E

Laboratory:	Analytical Resources, LLC				
Client:	Anchor QEA, LLC				
Project:	AOC4 UR Phase 3				
Matrix:	Sediment	Laboratory ID:	22L0307-63 C	SDG:	22L0307
Sampled:	12/12/22 12:59	Prepared:	12/15/22 12:04	File ID:	
% Solids:	64.48	Preparation:	No Prep Wet Chem	Analyzed:	12/15/22 12:06
Batch:	BKL0399	Sequence:		Initial/Final:	5 g Wet / 5 g
Instrument:	BAL2			Calibration:	

CAS NO.	Analyte	Concentration (%)	Dilution Factor	MDL	MRL	Q
	Total Solids	64.48	1	0.04	0.04	

Form I
INORGANIC ANALYSIS DATA SHEET
SM 2540 G-97

LDW22-SC783F

Laboratory:	Analytical Resources, LLC				
Client:	Anchor QEA, LLC				
Project:	AOC4 UR Phase 3				
Matrix:	Sediment	Laboratory ID:	22L0307-64 C	SDG:	22L0307
Sampled:	12/12/22 12:59	Prepared:	12/15/22 12:04	File ID:	
% Solids:	61.21	Preparation:	No Prep Wet Chem	Analyzed:	12/15/22 12:06
Batch:	BKL0399	Sequence:		Initial/Final:	5 g Wet / 5 g
Instrument:	BAL2			Calibration:	

CAS NO.	Analyte	Concentration (%)	Dilution Factor	MDL	MRL	Q
	Total Solids	61.21	1	0.04	0.04	

Form I
INORGANIC ANALYSIS DATA SHEET
SM 2540 G-97

LDW22-SC783G

Laboratory:	Analytical Resources, LLC				
Client:	Anchor QEA, LLC				
Project:	AOC4 UR Phase 3				
Matrix:	Sediment	Laboratory ID:	22L0307-65 C	SDG:	22L0307
Sampled:	12/12/22 12:59	Prepared:	12/15/22 12:04	File ID:	
% Solids:	62.70	Preparation:	No Prep Wet Chem	Analyzed:	12/15/22 12:06
Batch:	BKL0399	Sequence:		Initial/Final:	5 g Wet / 5 g
Instrument:	BAL2			Calibration:	

CAS NO.	Analyte	Concentration (%)	Dilution Factor	MDL	MRL	Q
	Total Solids	62.70	1	0.04	0.04	

Analytical Resources, LLC
Analytical Chemists and Consultants

Form I
INORGANIC ANALYSIS DATA SHEET
SM 2540 G-97

LDW22-SC783H

Laboratory: Analytical Resources, LLC

Client: Anchor QEA, LLC

Project: AOC4 UR Phase 3

Matrix:	Sediment	Laboratory ID:	22L0307-66 C	SDG:	22L0307
Sampled:	12/12/22 12:59	Prepared:	12/15/22 12:04	File ID:	
% Solids:	64.60	Preparation:	No Prep Wet Chem	Analyzed:	12/15/22 12:06
Batch:	BKL0399	Sequence:		Initial/Final:	5 g Wet / 5 g
Instrument:	BAL2			Calibration:	

CAS NO.	Analyte	Concentration (%)	Dilution Factor	MDL	MRL	Q
	Total Solids	64.60	1	0.04	0.04	

PREPARATION BATCH SUMMARY

SM 2540 G-97

Laboratory: Analytical Resources, LLC SDG: 22L0307

Client: Anchor QEA, LLC Project: AOC4 UR Phase 3

Batch: BKL0390 Batch Matrix: Solid Preparation: No Prep Wet Chem

SAMPLE NAME	LAB SAMPLE ID	LAB FILE ID	DATE PREPARED	OBSERVATIONS
LDW22-IT793A	22L0307-01		12/15/22 09:44	
LDW22-IT793B	22L0307-02		12/15/22 09:44	
LDW22-IT793C	22L0307-03		12/15/22 09:44	
LDW22-IT793D	22L0307-04		12/15/22 09:44	
LDW22-IT793D-FD	22L0307-05		12/15/22 09:44	
LDW22-IT793E	22L0307-06		12/15/22 09:44	
LDW22-IT793F	22L0307-07		12/15/22 09:44	
LDW22-IT795B	22L0307-08		12/15/22 09:44	
LDW22-IT795C	22L0307-09		12/15/22 09:44	
LDW22-IT795C-FD	22L0307-10		12/15/22 09:44	
LDW22-IT795D	22L0307-11		12/15/22 09:44	
LDW22-IT795E	22L0307-12		12/15/22 09:44	
LDW22-IT795F	22L0307-13		12/15/22 09:44	
LDW22-IT795G	22L0307-14		12/15/22 09:44	
LDW22-IT806A	22L0307-15		12/15/22 09:44	
LDW22-IT806B	22L0307-16		12/15/22 09:44	
LDW22-IT806C	22L0307-17		12/15/22 09:44	
LDW22-IT806D	22L0307-18		12/15/22 09:44	
LDW22-IT806E	22L0307-19		12/15/22 09:44	
LDW22-IT806F	22L0307-20		12/15/22 09:44	
Blank	BKL0390-BLK1		12/15/22 09:44	
LDW22-IT793A	BKL0390-DUP1		12/15/22 09:44	
LDW22-IT793A	BKL0390-DUP2		12/15/22 09:44	

TOTAL SOLIDS/VOLATILE SOLIDS (TS / TVS) BENCHSHEET for Solid samples
Method: PSEP 1986, SM2540, EPA 160.1
(dry at 104 (12-24 hr) then combust at 550 (30 min))

Batch:	BKL0390
Date:	12/15/2022 9:50
Analyst:	UW

Instrumentation

Drying Ovens:	1	**Analytical Balance:**	BAL2
Muffle Furnace:	2		

Batch drying time

record times as mm/dd/yy hh:mm

date/time in oven:	12/15/2022 12:05	
date/time out:	12/17/2022 12:30	
elapsed hrs =	48.4	> 24 hr

TS (%) calculated as:
Final dry wt (g) = (Dry Wt - Tare Wt)
TS = (Final Dry Wt)/ (grams Sample-Tare)

Oven Temps, °C	
Start Temp	102
Dry Cycle 1	103
Dry Cycle 2	
Dry Cycle 3	

TVS (mg/kg dry wt) calculated as:
Final ash wt (g) = (min ash wt - tare wt)
TVS (mg/kg) = [(Dry wt-Ash wt)/ (dry weight)] *1,000,000
if ash wt > dry wt, "Chk for Err"
if dry wt-ash wt < 0.001 g, "< (1/dry wt)*1,000,000

Balance Calibration Check

Record weights to 4 places

Cal Weight ID:		CV-02	CV-02	CV-02	CV-02	CV-02		CV-02	CV-02	CV-02
Date & Time:		12/15/22 9:50	12/15/22 10:30	12/17/22 12:50						
Cal Wt (g):	10.0000	10.0000	10.0000	10.0000						
		Cal OK!	Cal OK!	Cal OK!						

Sample ID	Dish #	Tare Wt. (g)	Dish & Sample (g)	Dry Wt 104C (grams)			dry Wt (g)	TS (%)	Notes	ASH WT 550C (grams)			Ash Wt (g)	TVS		Notes
				1	2	3				1	2	3		(mg/kg)	(%)	
BKL0390-BLK1	1	0.8223	0.0000	0.8222			-0.0001	0.01%								
22L0307-01	2	0.8386	8.4050	6.4190			5.5804	73.75%								
BKL0390-DUP1	3	0.8159	8.7064	6.6683			5.8524	74.17%	RPD=0.6							
BKL0390-DUP2	4	0.8238	9.3209	7.0715			6.2477	73.53%	RSD=0.4							
22L0307-02	5	0.7863	9.1691	6.7480			5.9617	71.12%								
22L0307-03	6	0.7818	7.6873	5.7030			4.9212	71.26%								
22L0307-04	7	0.8286	8.7169	6.4682			5.6396	71.49%								
22L0307-05	8	0.8002	7.5972	5.6844			4.8842	71.86%								
22L0307-06	9	0.7785	6.3789	5.1273			4.3488	77.65%								
22L0307-07	10	0.8122	5.6237	4.5714			3.7592	78.13%								
22L0307-08	11	0.7968	6.7011	4.8512			4.0544	68.67%								
22L0307-09	12	0.8046	8.5329	6.3208			5.5162	71.38%								
22L0307-10	13	0.8018	6.9992	5.2396			4.4378	71.61%								
22L0307-11	14	0.7748	8.6067	6.4486			5.6738	72.44%								
22L0307-12	15	0.8168	8.5101	6.5902			5.7734	75.04%								
22L0307-13	16	0.8177	6.2568	5.1506			4.3329	79.66%								
22L0307-14	17	0.7814	7.3840	5.9160			5.1346	77.77%								
22L0307-15	18	0.7977	8.2084	6.6708			5.8731	79.25%								
22L0307-16	19	0.8139	6.4179	4.2683			3.4544	61.64%								
22L0307-17	20	0.8052	7.2410	4.7859			3.9807	61.85%								
22L0307-18	21	0.7777	6.7133	4.8781			4.1004	69.08%								
22L0307-19	22	0.8232	7.3906	5.8179			4.9947	76.05%								
22L0307-20	23	0.8004	6.3139	5.2289			4.4285	80.32%								

PREPARATION BATCH SUMMARY

SM 2540 G-97

Laboratory: Analytical Resources, LLC
SDG: 22L0307
Client: Anchor QEA, LLC
Project: AOC4 UR Phase 3
Batch: BKL0391
Batch Matrix: Solid
Preparation: No Prep Wet Chem

SAMPLE NAME	LAB SAMPLE ID	LAB FILE ID	DATE PREPARED	OBSERVATIONS
LDW22-SC750A	22L0307-21		12/15/22 09:45	
LDW22-SC750B	22L0307-22		12/15/22 09:45	
LDW22-SC750C	22L0307-23		12/15/22 09:45	
LDW22-SC750D	22L0307-24		12/15/22 09:45	
LDW22-SC750E	22L0307-25		12/15/22 09:45	
LDW22-SC750F	22L0307-26		12/15/22 09:45	
LDW22-SC750G	22L0307-27		12/15/22 09:45	
LDW22-SC750H	22L0307-28		12/15/22 09:45	
LDW22-IT808A	22L0307-29		12/15/22 09:45	
LDW22-IT808B	22L0307-30		12/15/22 09:45	
LDW22-IT808C	22L0307-31		12/15/22 09:45	
LDW22-IT808D	22L0307-32		12/15/22 09:45	
LDW22-IT808E	22L0307-33		12/15/22 09:45	
LDW22-IT808F	22L0307-34		12/15/22 09:45	
LDW22-SC804B	22L0307-35		12/15/22 09:45	
LDW22-SC804C	22L0307-36		12/15/22 09:45	
LDW22-SC804D	22L0307-37		12/15/22 09:45	
LDW22-SC804E	22L0307-38		12/15/22 09:45	
LDW22-SC804F	22L0307-39		12/15/22 09:45	
LDW22-SC804F-FD	22L0307-40		12/15/22 09:45	
Blank	BKL0391-BLK1		12/15/22 09:45	
LDW22-SC750A	BKL0391-DUP1		12/15/22 09:45	
LDW22-SC750A	BKL0391-DUP2		12/15/22 09:45	

TOTAL SOLIDS/VOLATILE SOLIDS (TS / TVS) BENCHSHEET for Solid samples

Method: PSEP 1986, SM2540, EPA 160.1

(dry at 104 (12-24 hr) then combust at 550 (30 min))

Batch: BKL0391
Date: 12/15/2022 9:49
Analyst: UW

Instrumentation			
Drying Ovens:	1	**Analytical Balance:**	BAL2
Muffle Furnace:	2		

Batch drying time	
record times as mm/dd/yy hh:mm	
date/time in oven:	12/15/2022 12:05
date/time out:	12/17/2022 12:30
elapsed hrs =	48.4	> 24 hr

TS (%) calculated as:
Final dry wt (g) = (Dry Wt - Tare Wt)
TS = (Final Dry Wt)/ (grams Sample-Tare)

Oven Temps, °C	
Start Temp	102
Dry Cycle 1	103
Dry Cycle 2	
Dry Cycle 3	

TVS (mg/kg dry wt) calculated as:
Final ash wt (g) = (min ash wt - tare wt)
TVS (mg/kg) = [(Dry wt-Ash wt)/ (dry weight)] *1,000,000
if ash wt > dry wt, "Chk for Err"
if dry wt-ash wt < 0.001 g, "< (1/dry wt)*1,000,000

Balance Calibration Check

Record weights to 4 places									
	Cal Weight ID:	CV-02	CV-02	CV-02	CV-02	CV-02	CV-02	CV-02	CV-02
	Date & Time:	12/15/22 10:00	12/15/22 11:25	12/17/22 13:00					
Cal Wt (g):	10.0000	10.0000	10.0000	10.0000					
		Cal OK!	Cal OK!	Cal OK!					

Sample ID	**Dish #**	**Tare Wt. (g)**	**Dish & Sample (g)**	**Dry Wt 104C (grams) 1**	**2**	**3**	**dry Wt (g)**	**TS (%)**	**Notes**	**ASH WT 550C (grams) 1**	**2**	**3**	**Ash Wt (g)**	**TVS (mg/kg)**	**TVS (%)**	**Notes**
BKL0391-BLK1	24	0.7995	0.0000	0.7992			-0.0003	0.04%								
22L0307-21	25	0.8095	7.2759	5.0457			4.2362	65.51%								
BKL0391-DUP1	26	0.8243	7.7254	5.3561			4.5318	65.67%	RPD=0.2							
BKL0391-DUP2	27	0.8063	7.0199	4.8801			4.0738	65.56%	RSD=0.1							
22L0307-22	28	0.8120	6.8758	4.7466			3.9346	64.89%								
22L0307-23	29	0.7835	8.7705	6.1870			5.4035	67.65%								
22L0307-24	30	0.8247	7.2187	5.1763			4.3516	68.06%								
22L0307-25	31	0.8136	7.4520	5.4222			4.6086	69.42%								
22L0307-26	32	0.8191	7.8654	6.1674			5.3483	75.90%								
22L0307-27	33	0.8067	7.9423	5.7231			4.9164	68.90%								
22L0307-28	34	0.8238	6.4695	4.6928			3.8690	68.53%								
22L0307-29	35	0.8359	6.3727	3.8706			3.0347	54.81%								
22L0307-30	36	0.7890	5.6264	3.6104			2.8214	58.32%								
22L0307-31	37	0.8213	6.2032	3.6750			2.8537	53.02%								
22L0307-32	38	0.8211	6.2641	4.1795			3.3584	61.70%								
22L0307-33	39	0.8399	7.4514	6.2870			5.4471	82.39%								
22L0307-34	40	0.8445	8.0046	6.6191			5.7746	80.65%								
22L0307-35	41	0.8352	9.1056	6.5767			5.7415	69.42%								
22L0307-36	42	0.8238	7.7381	6.4217			5.5979	80.96%								
22L0307-37	43	0.8347	7.3214	4.7369			3.9022	60.16%								
22L0307-38	44	0.8094	7.8000	6.3241			5.5147	78.89%								
22L0307-39	45	0.8366	7.3650	5.5949			4.7583	72.89%								
22L0307-40	46	0.7868	7.1707	5.4731			4.6863	73.41%								

PREPARATION BATCH SUMMARY

SM 2540 G-97

Laboratory:	Analytical Resources, LLC			SDG:	22L0307
Client:	Anchor QEA, LLC			Project:	AOC4 UR Phase 3
Batch:	BKL0392	Batch Matrix:	Solid	Preparation:	No Prep Wet Chem

SAMPLE NAME	LAB SAMPLE ID	LAB FILE ID	DATE PREPARED	OBSERVATIONS
LDW22-SC804G	22L0307-41		12/15/22 09:47	
LDW22-SC804H	22L0307-42		12/15/22 09:47	
LDW22-SC752A	22L0307-43		12/15/22 09:47	
LDW22-SC752B	22L0307-44		12/15/22 09:47	
LDW22-SC752C	22L0307-45		12/15/22 09:47	
LDW22-SC752D	22L0307-46		12/15/22 09:47	
LDW22-SC752E	22L0307-47		12/15/22 09:47	
LDW22-SC752F	22L0307-48		12/15/22 09:47	
LDW22-SC752G	22L0307-49		12/15/22 09:47	
LDW22-SC752H	22L0307-50		12/15/22 09:47	
LDW22-SC752B-FD	22L0307-51		12/15/22 09:47	
LDW22-SC800A	22L0307-52		12/15/22 09:47	
LDW22-SC800B	22L0307-53		12/15/22 09:47	
LDW22-SC800C	22L0307-54		12/15/22 09:47	
LDW22-SC800D	22L0307-55		12/15/22 09:47	
LDW22-SC800E	22L0307-56		12/15/22 09:47	
LDW22-SC800F	22L0307-57		12/15/22 09:47	
LDW22-SC800G	22L0307-58		12/15/22 09:47	
LDW22-SC800H	22L0307-59		12/15/22 09:47	
LDW22-SC783B	22L0307-60		12/15/22 09:47	
Blank	BKL0392-BLK1		12/15/22 09:47	
LDW22-SC804G	BKL0392-DUP1		12/15/22 09:47	
LDW22-SC804G	BKL0392-DUP2		12/15/22 09:47	

TOTAL SOLIDS/VOLATILE SOLIDS (TS / TVS) BENCHSHEET for Solid samples
Method: PSEP 1986, SM2540, EPA 160.1
(dry at 104 (12-24 hr) then combust at 550 (30 min))

Batch: BKL0392
Date: 12/15/2022 9:49
Analyst: UW

Instrumentation

Drying Ovens: 1
Muffle Furnace: 2
Analytical Balance: BAL2

Batch drying time		
record times as mm/dd/yy hh:mm		
date/time in oven:	12/15/2022 14:25	
date/time out:	12/19/2022 10:13	
elapsed hrs =	91.8	> 24 hr

TS (%) calculated as:
Final dry wt (g) = (Dry Wt - Tare Wt)
TS = (Final Dry Wt)/ (grams Sample-Tare)

Oven Temps, °C	
Start Temp	102
Dry Cycle 1	104
Dry Cycle 2	
Dry Cycle 3	

TVS (mg/kg dry wt) calculated as:
Final ash wt (g) = (min ash wt - tare wt)
TVS (mg/kg) = [(Dry wt-Ash wt)/ (dry weight)] *1,000,000
if ash wt > dry wt, "Chk for Err"
if dry wt-ash wt < 0.001 g, "< (1/dry wt)*1,000,000

Balance Calibration Check

Record weights to 4 places

Cal Weight ID:		CV-02	CV-02	CV-02	CV-02	CV-02	CV-02	CV-02	CV-02
Date & Time:		12/15/22 11:55	12/15/22 13:00	12/19/22 14:05					
Cal Wt (g):	10.0000	10.0000	9.9999	10.0000					
		Cal OK!	Cal OK!	Cal OK!					

Sample	Dish	Tare Wt.	Dish &	Dry Wt 104C (grams)			dry Wt	TS	Notes	ASH WT 550C (grams)			Ash Wt	TVS		Notes
ID	#	(g)	Sample (g)	1	2	3	(g)	(%)		1	2	3	(g)	(mg/kg)	(%)	
BKL0392-BLK1	47	0.7816	0.0000	0.7814			-0.0002	0.03%								
22L0307-41	48	0.8374	6.9842	5.1640			4.3266	70.39%								
BKL0392-DUP1	49	0.8243	8.2166	6.0225			5.1982	70.32%	RPD=0.1							
BKL0392-DUP2	50	0.7799	8.2431	6.0176			5.2377	70.18%	RSD=0.2							
22L0307-42	51	0.7790	6.1494	4.7595			3.9805	74.12%								
22L0307-43	52	0.7703	7.4473	5.3663			4.5960	68.83%								
22L0307-44	53	0.8062	7.2631	5.4081			4.6019	71.27%								
22L0307-45	54	0.7977	7.8309	5.7617			4.9640	70.58%								
22L0307-46	55	0.7803	7.5642	5.2799			4.4996	66.33%								
22L0307-47	56	0.7775	7.3026	5.2221			4.4446	68.12%								
22L0307-48	57	0.7701	6.5439	4.5364			3.7663	65.23%								
22L0307-49	58	0.7779	7.9741	6.1902			5.4123	75.21%								
22L0307-50	59	0.8347	8.3410	6.6250			5.7903	77.14%								
22L0307-51	60	0.8300	7.8364	5.9322			5.1022	72.82%								
22L0307-52	61	0.7953	8.0346	3.9745			3.1792	43.92%								
22L0307-53	62	0.8286	5.2961	3.0366			2.2080	49.42%								
22L0307-54	63	0.7961	7.3317	4.5167			3.7206	56.93%								
22L0307-55	64	0.7986	6.6193	4.2869			3.4883	59.93%								
22L0307-56	65	0.7922	6.3636	4.4517			3.6595	65.68%								
22L0307-57	66	0.7982	6.6705	4.0580			3.2598	55.51%								
22L0307-58	67	0.7958	7.0274	5.0822			4.2864	68.78%								
22L0307-59	68	0.7805	6.4715	4.4159			3.6354	63.88%								
22L0307-60	69	0.8211	6.2285	3.9485			3.1274	57.84%								

PREPARATION BATCH SUMMARY

SM 2540 G-97

Laboratory:	Analytical Resources, LLC			SDG:	22L0307
Client:	Anchor QEA, LLC			Project:	AOC4 UR Phase 3
Batch:	BKL0399	Batch Matrix:	Solid	Preparation:	No Prep Wet Chem

SAMPLE NAME	LAB SAMPLE ID	LAB FILE ID	DATE PREPARED	OBSERVATIONS
LDW22-SC783C	22L0307-61		12/15/22 12:04	
LDW22-SC783D	22L0307-62		12/15/22 12:04	
LDW22-SC783E	22L0307-63		12/15/22 12:04	
LDW22-SC783F	22L0307-64		12/15/22 12:04	
LDW22-SC783G	22L0307-65		12/15/22 12:04	
LDW22-SC783H	22L0307-66		12/15/22 12:04	
Blank	BKL0399-BLK1		12/15/22 12:04	

TOTAL SOLIDS/VOLATILE SOLIDS (TS / TVS) BENCHSHEET for Solid samples
Method: PSEP 1986, SM2540, EPA 160.1
(dry at 104 (12-24 hr) then combust at 550 (30 min))

Batch:	BKL0399
Date:	12/15/2022 12:06
Analyst:	UW

Instrumentation

Drying Ovens:	1	**Analytical Balance:**	BAL2
Muffle Furnace:	2		

Batch drying time		
record times as mm/dd/yy hh:mm		
date/time in oven:	12/15/2022 14:25	
date/time out:	12/19/2022 10:13	
elapsed hrs =	91.8	> 24 hr

TS (%) calculated as:
Final dry wt (g) = (Dry Wt - Tare Wt)
TS = (Final Dry Wt)/ (grams Sample-Tare)

Oven Temps, °C	
Start Temp	102
Dry Cycle 1	104
Dry Cycle 2	
Dry Cycle 3	

TVS (mg/kg dry wt) calculated as:
Final ash wt (g) = (min ash wt - tare wt)
TVS (mg/kg) = [(Dry wt-Ash wt)/ (dry weight)] *1,000,000
if ash wt > dry wt, "Chk for Err"
if dry wt-ash wt < 0.001 g, "< (1/dry wt)*1,000,000

Balance Calibration Check

Record weights to 4 places									
Cal Weight ID:		CV-02	CV-02	CV-02	CV-02	CV-02	CV-02	CV-02	CV-02
Date & Time:		12/15/22 12:05	12/15/22 13:40	12/19/22 13:55					
Cal Wt (g):	10.0000	10.0000	9.9999	10.0000					
		Cal OK!	Cal OK!	Cal OK!					

Sample ID	Dish #	Tare Wt. (g)	Dish & Sample (g)	Dry Wt 104C (grams)			dry Wt (g)	TS (%)	Notes	ASH WT 550C (grams)			Ash Wt (g)	TVS		Notes
				1	2	3				1	2	3		(mg/kg)	(%)	
BKL0399-BLK1	70	0.8060	0.0000	0.8059			-0.0001	0.01%								
22L0307-61	71	0.7972	9.5627	6.5172			5.7200	65.26%								
22L0307-62	72	0.7972	9.1257	5.7013			4.9041	58.88%								
22L0307-63	73	0.8251	7.7959	5.3201			4.4950	64.48%								
22L0307-64	74	0.7776	9.3702	6.0375			5.2599	61.21%								
22L0307-65	75	0.7764	6.3728	4.2853			3.5089	62.70%								
22L0307-66	76	0.8104	9.4250	6.3758			5.5654	64.60%								
22L0375-01	77	0.8195	6.3427	3.8830			3.0635	55.47%								
BKL0399-DUP1	78	0.8099	6.2961	3.7958			2.9859	54.43%	RPD=1.9							
BKL0399-DUP2	79	0.7680	5.9536	3.6300			2.8620	55.19%	RSD=1							
22L0375-02	80	0.7819	6.5175	4.6726			3.8907	67.83%								
22L0375-03	81	0.7980	5.5353	3.8606			3.0626	64.65%								
22L0375-04	82	0.8085	7.8803	5.8240			5.0155	70.92%								
22L0375-05	83	0.7874	7.9536	5.2996			4.5122	62.97%								
22L0375-06	84	0.7873	8.0548	5.4325			4.6452	63.92%								
22L0375-07	85	0.7973	9.4047	7.5811			6.7838	78.81%								
22L0375-08	86	0.7919	8.5500	6.5463			5.7544	74.17%								
22L0375-09	87	0.7841	7.1916	4.9723			4.1882	65.36%								
22L0375-10	88	0.7894	9.3874	7.4741			6.6847	77.75%								
22L0375-11	89	0.8260	7.7936	5.7894			4.9634	71.24%								
22L0375-12	90	0.8191	8.6846	7.7401			6.9210	87.99%								

Form I

METHOD BLANK DATA SHEET

SM 2540 G-97

TotalAnalytes

Blank

Laboratory: Analytical Resources, LLC

SDG: 22L0307

Client: Anchor QEA, LLC

Project: AOC4 UR Phase 3

Batch: BKL0390

Laboratory ID: BKL0390-BLK1

Prepared: 12/15/22 09:44

Matrix: Solid

Preparation: No Prep Wet Chem

Analyzed: 12/15/22 09:50

Sequence:

Calibration:

Instrument: BAL2

CAS NO.	Analyte	Concentration (%)	Dilution Factor	MDL	MRL	Q
	Total Solids	ND	1	0.04	0.04	U

Form I

METHOD BLANK DATA SHEET

SM 2540 G-97

TotalAnalytes

Blank

Laboratory: Analytical Resources, LLC

SDG: 22L0307

Client: Anchor QEA, LLC

Project: AOC4 UR Phase 3

Batch: BKL0391

Laboratory ID: BKL0391-BLK1

Prepared: 12/15/22 09:45

Matrix: Solid

Preparation: No Prep Wet Chem

Analyzed: 12/15/22 09:49

Sequence:

Calibration:

Instrument: BAL2

CAS NO.	Analyte	Concentration (%)	Dilution Factor	MDL	MRL	Q
	Total Solids	ND	1	0.04	0.04	U

Form I

METHOD BLANK DATA SHEET

SM 2540 G-97

TotalAnalytes

Blank

Laboratory:	Analytical Resources, LLC			SDG:	22L0307
Client:	Anchor QEA, LLC			Project:	AOC4 UR Phase 3
Batch:	BKL0392	Laboratory ID:	BKL0392-BLK1	Prepared:	12/15/22 09:47
Matrix:	Solid	Preparation:	No Prep Wet Chem	Analyzed:	12/15/22 09:49
Sequence:		Calibration:		Instrument:	BAL2

CAS NO.	Analyte	Concentration (%)	Dilution Factor	MDL	MRL	Q
	Total Solids	ND	1	0.04	0.04	U

Blank

Form I

METHOD BLANK DATA SHEET

SM 2540 G-97

TotalAnalytes

Laboratory:	Analytical Resources, LLC			SDG:	22L0307
Client:	Anchor QEA, LLC			Project:	AOC4 UR Phase 3
Batch:	BKL0399	Laboratory ID:	BKL0399-BLK1	Prepared:	12/15/22 12:04
Matrix:	Solid	Preparation:	No Prep Wet Chem	Analyzed:	12/15/22 12:06
Sequence:		Calibration:		Instrument:	BAL2

CAS NO.	Analyte	Concentration (%)	Dilution Factor	MDL	MRL	Q
	Total Solids	ND	1	0.04	0.04	U

LDW22-IT793A

DUPLICATES

SM 2540 G-97

Laboratory:	Analytical Resources, LLC	SDG:	22L0307
Client:	Anchor QEA, LLC	Project:	AOC4 UR Phase 3
Matrix:	Solid	Laboratory ID:	BKL0390-DUP1
Batch:	BKL0390	Lab Source ID:	22L0307-01
Preparation:	No Prep Wet Chem	Initial/Final:	5 g / 5 g
Source Sample Name:	LDW22-IT793A	% Solids:	73.75

ANALYTE	CONTROL LIMIT	SAMPLE CONCENTRATION	DUPLICATE CONCENTRATION	RPD %	Q
Total Solids	20	73.75	74.17	0.565	

*: Values outside of QC limits
L: Analyte concentration is <=5 times the reporting limit and the replicate control limit defaults to Dup = +/- RL instead of 20% RPD

LDW22-IT793A

DUPLICATES

SM 2540 G-97

Laboratory: Analytical Resources, LLC

SDG: 22L0307

Client: Anchor QEA, LLC

Project: AOC4 UR Phase 3

Matrix: Solid

Laboratory ID: BKL0390-DUP2

Batch: BKL0390

Lab Source ID: 22L0307-01

Preparation: No Prep Wet Chem

Initial/Final: 5 g / 5 g

Source Sample Name: LDW22-IT793A

% Solids: 73.75

ANALYTE	CONTROL LIMIT	SAMPLE CONCENTRATION	DUPLICATE CONCENTRATION	RPD %	Q
Total Solids	20	73.75	73.53	0.305	

*: Values outside of QC limits
L: Analyte concentration is <=5 times the reporting limit and the replicate control limit defaults to Dup = +/- RL instead of 20% RPD

DUPLICATES
SM 2540 G-97

Laboratory: Analytical Resources, LLC
Client: Anchor QEA, LLC
Matrix: Solid
Batch: BKL0391
Preparation: No Prep Wet Chem
Source Sample Name: LDW22-SC750A

SDG: 22L0307
Project: AOC4 UR Phase 3
Laboratory ID: BKL0391-DUP1
Lab Source ID: 22L0307-21
Initial/Final: 5 g / 5 g
% Solids: 65.51

ANALYTE	CONTROL LIMIT	SAMPLE CONCENTRATION	DUPLICATE CONCENTRATION	RPD %	Q
Total Solids	20	65.51	65.67	0.239	

*: Values outside of QC limits
L: Analyte concentration is <=5 times the reporting limit and the replicate control limit defaults to Dup = +/- RL instead of 20% RPD

LDW22-SC750A

DUPLICATES

SM 2540 G-97

Laboratory: Analytical Resources, LLC

Client: Anchor QEA, LLC

Matrix: Solid

Batch: BKL0391

Preparation: No Prep Wet Chem

Source Sample Name: LDW22-SC750A

SDG: 22L0307

Project: AOC4 UR Phase 3

Laboratory ID: BKL0391-DUP2

Lab Source ID: 22L0307-21

Initial/Final: 5 g / 5 g

% Solids: 65.51

ANALYTE	CONTROL LIMIT	SAMPLE CONCENTRATION	DUPLICATE CONCENTRATION	RPD %	Q
Total Solids	20	65.51	65.56	0.0789	

*: Values outside of QC limits
L: Analyte concentration is <=5 times the reporting limit and the replicate control limit defaults to Dup = +/- RL instead of 20% RPD

LDW22-SC804G

DUPLICATES
SM 2540 G-97

Laboratory: Analytical Resources, LLC
Client: Anchor QEA, LLC
Matrix: Solid
Batch: BKL0392
Preparation: No Prep Wet Chem
Source Sample Name: LDW22-SC804G

SDG: 22L0307
Project: AOC4 UR Phase 3
Laboratory ID: BKL0392-DUP1
Lab Source ID: 22L0307-41
Initial/Final: 5 g / 5 g
% Solids: 70.39

ANALYTE	CONTROL LIMIT	SAMPLE CONCENTRATION	DUPLICATE CONCENTRATION	RPD %	Q
Total Solids	20	70.39	70.32	0.0977	

*: Values outside of QC limits
L: Analyte concentration is <=5 times the reporting limit and the replicate control limit defaults to Dup = +/- RL instead of 20% RPD

LDW22-SC804G

DUPLICATES

SM 2540 G-97

Laboratory: Analytical Resources, LLC

Client: Anchor QEA, LLC

Matrix: Solid

Batch: BKL0392

Preparation: No Prep Wet Chem

Source Sample Name: LDW22-SC804G

SDG: 22L0307

Project: AOC4 UR Phase 3

Laboratory ID: BKL0392-DUP2

Lab Source ID: 22L0307-41

Initial/Final: 5 g / 5 g

% Solids: 70.39

ANALYTE	CONTROL LIMIT	SAMPLE CONCENTRATION	DUPLICATE CONCENTRATION	RPD %	Q
Total Solids	20	70.39	70.18	0.295	

*: Values outside of QC limits
L: Analyte concentration is <=5 times the reporting limit and the replicate control limit defaults to Dup = +/- RL instead of 20% RPD

HOLDING TIME SUMMARY

Analysis: SM 2540 G-97

Laboratory: Analytical Resources, LLC SDG: 22L0307

Client: Anchor QEA, LLC Project: AOC4 UR Phase 3

Sample Name	Date Collected	Date Received	Date Prepared	Days to Prep	Max Days to Prep	Date Analyzed	Days to Analysis	Max Days to Analysis	Q
LDW22-IT793A 22L0307-01	12/12/22 08:26	12/12/22 16:42	12/15/22 09:44	3	28	12/15/22 09:50	3	28	
LDW22-IT793B 22L0307-02	12/12/22 08:26	12/12/22 16:42	12/15/22 09:44	3	28	12/15/22 09:50	3	28	
LDW22-IT793C 22L0307-03	12/12/22 08:26	12/12/22 16:42	12/15/22 09:44	3	28	12/15/22 09:50	3	28	
LDW22-IT793D 22L0307-04	12/12/22 08:26	12/12/22 16:42	12/15/22 09:44	3	28	12/15/22 09:50	3	28	
LDW22-IT793D-FD 22L0307-05	12/12/22 08:26	12/12/22 16:42	12/15/22 09:44	3	28	12/15/22 09:50	3	28	
LDW22-IT793E 22L0307-06	12/12/22 08:26	12/12/22 16:42	12/15/22 09:44	3	28	12/15/22 09:50	3	28	
LDW22-IT793F 22L0307-07	12/12/22 08:26	12/12/22 16:42	12/15/22 09:44	3	28	12/15/22 09:50	3	28	
LDW22-IT795B 22L0307-08	12/12/22 07:47	12/12/22 16:42	12/15/22 09:44	3	28	12/15/22 09:50	3	28	
LDW22-IT795C 22L0307-09	12/12/22 07:47	12/12/22 16:42	12/15/22 09:44	3	28	12/15/22 09:50	3	28	
LDW22-IT795C-FD 22L0307-10	12/12/22 07:47	12/12/22 16:42	12/15/22 09:44	3	28	12/15/22 09:50	3	28	
LDW22-IT795D 22L0307-11	12/12/22 07:47	12/12/22 16:42	12/15/22 09:44	3	28	12/15/22 09:50	3	28	
LDW22-IT795E 22L0307-12	12/12/22 07:47	12/12/22 16:42	12/15/22 09:44	3	28	12/15/22 09:50	3	28	
LDW22-IT795F 22L0307-13	12/12/22 07:47	12/12/22 16:42	12/15/22 09:44	3	28	12/15/22 09:50	3	28	
LDW22-IT795G 22L0307-14	12/12/22 07:47	12/12/22 16:42	12/15/22 09:44	3	28	12/15/22 09:50	3	28	
LDW22-IT806A 22L0307-15	12/12/22 08:35	12/12/22 16:42	12/15/22 09:44	3	28	12/15/22 09:50	3	28	
LDW22-IT806B 22L0307-16	12/12/22 08:35	12/12/22 16:42	12/15/22 09:44	3	28	12/15/22 09:50	3	28	
LDW22-IT806C 22L0307-17	12/12/22 08:35	12/12/22 16:42	12/15/22 09:44	3	28	12/15/22 09:50	3	28	
LDW22-IT806D 22L0307-18	12/12/22 08:35	12/12/22 16:42	12/15/22 09:44	3	28	12/15/22 09:50	3	28	
LDW22-IT806E 22L0307-19	12/12/22 08:35	12/12/22 16:42	12/15/22 09:44	3	28	12/15/22 09:50	3	28	
LDW22-IT806F 22L0307-20	12/12/22 08:35	12/12/22 16:42	12/15/22 09:44	3	28	12/15/22 09:50	3	28	
LDW22-SC750A 22L0307-21	12/12/22 09:26	12/12/22 16:42	12/15/22 09:45	3	28	12/15/22 09:49	3	28	
LDW22-SC750B 22L0307-22	12/12/22 09:26	12/12/22 16:42	12/15/22 09:45	3	28	12/15/22 09:49	3	28	

HOLDING TIME SUMMARY

Analysis: SM 2540 G-97

Laboratory: Analytical Resources, LLC SDG: 22L0307
Client: Anchor QEA, LLC Project: AOC4 UR Phase 3

Sample Name	Date Collected	Date Received	Date Prepared	Days to Prep	Max Days to Prep	Date Analyzed	Days to Analysis	Max Days to Analysis	Q
LDW22-SC750C 22L0307-23	12/12/22 09:26	12/12/22 16:42	12/15/22 09:45	3	28	12/15/22 09:49	3	28	
LDW22-SC750D 22L0307-24	12/12/22 09:26	12/12/22 16:42	12/15/22 09:45	3	28	12/15/22 09:49	3	28	
LDW22-SC750E 22L0307-25	12/12/22 09:26	12/12/22 16:42	12/15/22 09:45	3	28	12/15/22 09:49	3	28	
LDW22-SC750F 22L0307-26	12/12/22 09:26	12/12/22 16:42	12/15/22 09:45	3	28	12/15/22 09:49	3	28	
LDW22-SC750G 22L0307-27	12/12/22 09:26	12/12/22 16:42	12/15/22 09:45	3	28	12/15/22 09:49	3	28	
LDW22-SC750H 22L0307-28	12/12/22 09:26	12/12/22 16:42	12/15/22 09:45	3	28	12/15/22 09:49	3	28	
LDW22-IT808A 22L0307-29	12/12/22 09:46	12/12/22 16:42	12/15/22 09:45	2	28	12/15/22 09:49	3	28	
LDW22-IT808B 22L0307-30	12/12/22 09:46	12/12/22 16:42	12/15/22 09:45	2	28	12/15/22 09:49	3	28	
LDW22-IT808C 22L0307-31	12/12/22 09:46	12/12/22 16:42	12/15/22 09:45	2	28	12/15/22 09:49	3	28	
LDW22-IT808D 22L0307-32	12/12/22 09:46	12/12/22 16:42	12/15/22 09:45	2	28	12/15/22 09:49	3	28	
LDW22-IT808E 22L0307-33	12/12/22 09:46	12/12/22 16:42	12/15/22 09:45	2	28	12/15/22 09:49	3	28	
LDW22-IT808F 22L0307-34	12/12/22 09:46	12/12/22 16:42	12/15/22 09:45	2	28	12/15/22 09:49	3	28	
LDW22-SC804B 22L0307-35	12/12/22 11:18	12/12/22 16:42	12/15/22 09:45	2	28	12/15/22 09:49	3	28	
LDW22-SC804C 22L0307-36	12/12/22 11:18	12/12/22 16:42	12/15/22 09:45	2	28	12/15/22 09:49	3	28	
LDW22-SC804D 22L0307-37	12/12/22 11:18	12/12/22 16:42	12/15/22 09:45	2	28	12/15/22 09:49	3	28	
LDW22-SC804E 22L0307-38	12/12/22 11:18	12/12/22 16:42	12/15/22 09:45	2	28	12/15/22 09:49	3	28	
LDW22-SC804F 22L0307-39	12/12/22 11:18	12/12/22 16:42	12/15/22 09:45	2	28	12/15/22 09:49	3	28	
LDW22-SC804F-FD 22L0307-40	12/12/22 11:18	12/12/22 16:42	12/15/22 09:45	2	28	12/15/22 09:49	3	28	
LDW22-SC804G 22L0307-41	12/12/22 11:18	12/12/22 16:42	12/15/22 09:47	2	28	12/15/22 09:49	3	28	
LDW22-SC804H 22L0307-42	12/12/22 11:18	12/12/22 16:42	12/15/22 09:47	2	28	12/15/22 09:49	3	28	
LDW22-SC752A 22L0307-43	12/12/22 11:01	12/12/22 16:42	12/15/22 09:47	2	28	12/15/22 09:49	3	28	
LDW22-SC752B 22L0307-44	12/12/22 11:01	12/12/22 16:42	12/15/22 09:47	2	28	12/15/22 09:49	3	28	

HOLDING TIME SUMMARY

Analysis: SM 2540 G-97

Laboratory: Analytical Resources, LLC
SDG: 22L0307
Client: Anchor QEA, LLC
Project: AOC4 UR Phase 3

Sample Name	Date Collected	Date Received	Date Prepared	Days to Prep	Max Days to Prep	Date Analyzed	Days to Analysis	Max Days to Analysis	Q
LDW22-SC752C 22L0307-45	12/12/22 11:01	12/12/22 16:42	12/15/22 09:47	2	28	12/15/22 09:49	3	28	
LDW22-SC752D 22L0307-46	12/12/22 11:01	12/12/22 16:42	12/15/22 09:47	2	28	12/15/22 09:49	3	28	
LDW22-SC752E 22L0307-47	12/12/22 11:01	12/12/22 16:42	12/15/22 09:47	2	28	12/15/22 09:49	3	28	
LDW22-SC752F 22L0307-48	12/12/22 11:01	12/12/22 16:42	12/15/22 09:47	2	28	12/15/22 09:49	3	28	
LDW22-SC752G 22L0307-49	12/12/22 11:01	12/12/22 16:42	12/15/22 09:47	2	28	12/15/22 09:49	3	28	
LDW22-SC752H 22L0307-50	12/12/22 11:01	12/12/22 16:42	12/15/22 09:47	2	28	12/15/22 09:49	3	28	
LDW22-SC752B-FD 22L0307-51	12/12/22 11:01	12/12/22 16:42	12/15/22 09:47	2	28	12/15/22 09:49	3	28	
LDW22-SC800A 22L0307-52	12/12/22 12:14	12/12/22 16:42	12/15/22 09:47	2	28	12/15/22 09:49	3	28	
LDW22-SC800B 22L0307-53	12/12/22 12:14	12/12/22 16:42	12/15/22 09:47	2	28	12/15/22 09:49	3	28	
LDW22-SC800C 22L0307-54	12/12/22 12:14	12/12/22 16:42	12/15/22 09:47	2	28	12/15/22 09:49	3	28	
LDW22-SC800D 22L0307-55	12/12/22 12:14	12/12/22 16:42	12/15/22 09:47	2	28	12/15/22 09:49	3	28	
LDW22-SC800E 22L0307-56	12/12/22 12:14	12/12/22 16:42	12/15/22 09:47	2	28	12/15/22 09:49	3	28	
LDW22-SC800F 22L0307-57	12/12/22 12:14	12/12/22 16:42	12/15/22 09:47	2	28	12/15/22 09:49	3	28	
LDW22-SC800G 22L0307-58	12/12/22 12:14	12/12/22 16:42	12/15/22 09:47	2	28	12/15/22 09:49	3	28	
LDW22-SC800H 22L0307-59	12/12/22 12:14	12/12/22 16:42	12/15/22 09:47	2	28	12/15/22 09:49	3	28	
LDW22-SC783B 22L0307-60	12/12/22 12:59	12/12/22 16:42	12/15/22 09:47	2	28	12/15/22 09:49	3	28	
LDW22-SC783C 22L0307-61	12/12/22 12:59	12/12/22 16:42	12/15/22 12:04	2	28	12/15/22 12:06	3	28	
LDW22-SC783D 22L0307-62	12/12/22 12:59	12/12/22 16:42	12/15/22 12:04	2	28	12/15/22 12:06	3	28	
LDW22-SC783E 22L0307-63	12/12/22 12:59	12/12/22 16:42	12/15/22 12:04	2	28	12/15/22 12:06	3	28	
LDW22-SC783F 22L0307-64	12/12/22 12:59	12/12/22 16:42	12/15/22 12:04	2	28	12/15/22 12:06	3	28	
LDW22-SC783G 22L0307-65	12/12/22 12:59	12/12/22 16:42	12/15/22 12:04	2	28	12/15/22 12:06	3	28	
LDW22-SC783H 22L0307-66	12/12/22 12:59	12/12/22 16:42	12/15/22 12:04	2	28	12/15/22 12:06	3	28	

HOLDING TIME SUMMARY

Analysis: SM 2540 G-97

Laboratory: Analytical Resources, LLC SDG: 22L0307
Client: Anchor QEA, LLC Project: AOC4 UR Phase 3

Sample Name	Date Collected	Date Received	Date Prepared	Days to Prep	Max Days to Prep	Date Analyzed	Days to Analysis	Max Days to Analysis	Q
Duplicate BKL0390-DUP1	12/12/22 08:26	12/12/22 16:42	12/15/22 09:44	3	28	12/15/22 09:50	3	28	
Duplicate BKL0390-DUP2	12/12/22 08:26	12/12/22 16:42	12/15/22 09:44	3	28	12/15/22 09:50	3	28	
Duplicate BKL0391-DUP1	12/12/22 09:26	12/12/22 16:42	12/15/22 09:45	3	28	12/15/22 09:49	3	28	
Duplicate BKL0391-DUP2	12/12/22 09:26	12/12/22 16:42	12/15/22 09:45	3	28	12/15/22 09:49	3	28	
Duplicate BKL0392-DUP1	12/12/22 11:18	12/12/22 16:42	12/15/22 09:47	2	28	12/15/22 09:49	3	28	
Duplicate BKL0392-DUP2	12/12/22 11:18	12/12/22 16:42	12/15/22 09:47	2	28	12/15/22 09:49	3	28	

* Indicates hold time exceedance.

METHOD DETECTION
AND REPORTING LIMITS

SM 2540 G-97

Laboratory:	Analytical Resources, LLC	SDG:	22L0307
Client:	Anchor QEA, LLC	Project:	AOC4 UR Phase 3
Matrix:	Solid	Instrument:	

Analyte	MDL	RL	Units
Total Solids	0.04	0.04	%

PREPARATION BATCH SUMMARY

ASTM D2216

Laboratory: Analytical Resources, LLC

SDG: 22L0307

Client: Anchor QEA, LLC

Project: AOC4 UR Phase 3

Batch: BKL0335

Batch Matrix: Solid

Preparation: No Prep-Organics

SAMPLE NAME	LAB SAMPLE ID	LAB FILE ID	DATE PREPARED	OBSERVATIONS
LDW22-IT808A	22L0307-29		12/15/22 12:25	
LDW22-IT808B	22L0307-30		12/15/22 12:25	
LDW22-IT808C	22L0307-31		12/15/22 12:25	
LDW22-IT808D	22L0307-32		12/15/22 12:25	
LDW22-IT808E	22L0307-33		12/15/22 12:25	
LDW22-IT808F	22L0307-34		12/15/22 12:25	

HOLDING TIME SUMMARY

Analysis: ASTM D2216

Laboratory: Analytical Resources, LLC
Client: Anchor QEA, LLC
SDG: 22L0307
Project: AOC4 UR Phase 3

Sample Name	Date Collected	Date Received	Date Prepared	Days to Prep	Max Days to Prep	Date Analyzed	Days to Analysis	Max Days to Analysis	Q
LDW22-IT808A 22L0307-29	12/12/22 09:46	12/12/22 16:42	12/15/22 12:25	3	28	12/16/22 05:30	4	28	
LDW22-IT808B 22L0307-30	12/12/22 09:46	12/12/22 16:42	12/15/22 12:25	3	28	12/16/22 05:30	4	28	
LDW22-IT808C 22L0307-31	12/12/22 09:46	12/12/22 16:42	12/15/22 12:25	3	28	12/16/22 05:30	4	28	
LDW22-IT808D 22L0307-32	12/12/22 09:46	12/12/22 16:42	12/15/22 12:25	3	28	12/16/22 05:30	4	28	
LDW22-IT808E 22L0307-33	12/12/22 09:46	12/12/22 16:42	12/15/22 12:25	3	28	12/16/22 05:30	4	28	
LDW22-IT808F 22L0307-34	12/12/22 09:46	12/12/22 16:42	12/15/22 12:25	3	28	12/16/22 05:30	4	28	

* Indicates hold time exceedance.

METHOD DETECTION
AND REPORTING LIMITS

ASTM D2216

Laboratory: Analytical Resources, LLC

SDG: 22L0307

Client: Anchor QEA, LLC

Project: AOC4 UR Phase 3

Matrix: Solid

Instrument:

Analyte	MDL	RL	Units
Total Solids		0.01	%

TOTAL SOLIDS BENCHSHEET
Method: PSEP 1986
(dry at 103-105 C)
Instrumentation

Batch:	BKL0482
Date:	12/19/2022 14:24
Analyst:	CR
Drying Oven:	15
Analytical Balance:	B139298002

Batch drying time
Record times as mm/dd/yy hh:mm

		Oven Temp, C	**TS (%) calculated as:**
Date/time in oven:	12/20/2022 11:20	105	Final dry wt (g) = (Dry Wt - Tare Wt)
Date/time out:	12/21/2022 9:43	104	TS = (Final Dry Wt X 100)/ (sample & dish -dish tare)
Elapsed hrs:	22.4		

Oven Temps, °C	
Start Temp:	105
End Temp:	104

SAMPLE ID	Dish Tare Wt (g)	Dish with Sample (g)	Dry Wt (g)	Solids Wt (g)	TS (%)	Sample Decanted
22L0307-01	0.7900	11.0700	8.2600	7.47	**72.67%**	Yes
22L0307-02	0.8000	12.3100	8.8300	8.03	**69.77%**	Yes
22L0307-03	0.8000	11.6100	8.4600	7.66	**70.86%**	Yes
22L0307-04	0.7900	12.1200	8.8200	8.03	**70.87%**	No
22L0307-05	0.8100	12.2200	9.0500	8.24	**72.22%**	Yes
22L0307-06	0.7900	11.1300	8.7500	7.96	**76.98%**	No
22L0307-07	0.8100	11.0600	8.7700	7.96	**77.66%**	No
22L0307-08	0.8200	11.3200	8.1000	7.28	**69.33%**	Yes
22L0307-09	0.7900	12.4800	9.0400	8.25	**70.57%**	No
22L0307-10	0.7900	11.6400	8.4900	7.70	**70.97%**	Yes
22L0307-11	0.8100	12.0800	9.0200	8.21	**72.85%**	Yes
22L0307-12	0.8000	12.3100	9.3700	8.57	**74.46%**	No
22L0307-13	0.8000	11.8600	9.5700	8.77	**79.29%**	No
22L0307-14	0.8100	11.6000	9.2400	8.43	**78.13%**	No
22L0307-15	0.8000	11.1000	8.5700	7.77	**75.44%**	Yes
22L0307-16	0.8000	11.8600	7.6100	6.81	**61.57%**	Yes
22L0307-17	0.8000	11.6400	7.4400	6.64	**61.25%**	Yes
22L0307-18	0.8000	12.6600	8.8100	8.01	**67.54%**	No
22L0307-19	0.8000	12.1800	9.5400	8.74	**76.80%**	No
22L0307-20	0.8100	12.1700	9.7800	8.97	**78.96%**	No

HT: 1/1

TOTAL SOLIDS BENCHSHEET

Method: PSEP 1986

(dry at 103-105 C)

Instrumentation

Batch:	BKL0482
Date:	12/19/2022 14:24
Analyst:	CR
Drying Oven:	015
Analytical Balance:	B19298002

Batch drying time

Record times as mm/dd/yy hh:mm

			Oven Temp, C
Date/time in oven:	12/20/22	11:20	105
Date/time out:	12/21/22	9:43	104
Elapsed hrs:	0.0		

TS (%) calculated as:

Final dry wt (g) = (Dry Wt - Tare Wt)

TS = (Final Dry Wt X 100)/ (sample & dish -dish tare)

Oven Temps, °C	
Start Temp:	105
End Temp:	104

SAMPLE ID	Dish Tare Wt (g)	Dish with Sample (g)	Dry Wt (g)	Solids Wt (g)	TS (%)	Sample Decanted
22L0307-01 B	0.79	11.07	8.26			~~No~~ yes
22L0307-02	0.80	12.31	8.83			~~No~~ yes
22L0307-03	0.80	11.61	8.46			~~No~~ yes
22L0307-04	0.79	12.12	8.82			No
22L0307-05	0.81	12.22	9.05			~~No~~ yes
22L0307-06	0.79	11.13	8.75			No
22L0307-07	0.81	11.06	8.77			No
22L0307-08	0.82	11.32	8.10			~~No~~ yes
22L0307-09	0.79	12.48	9.04			No
22L0307-10	0.79	11.64	8.49			~~No~~ yes
22L0307-11	0.81	12.08	9.02			~~No~~ yes
22L0307-12	0.80	12.31	9.37			No
22L0307-13	0.80	11.86	9.57			No
22L0307-14	0.81	11.60	9.24			No
22L0307-15	0.80	11.10	8.57			~~No~~ yes
22L0307-16	0.80	11.86	7.61			~~No~~ yes
22L0307-17	0.80	11.64	7.44			~~No~~ yes
22L0307-18	0.80	12.66	8.81			No
22L0307-19	0.80	12.18	9.54			No
22L0307-20 B	0.81	12.17	9.78			No

TIS + Screens
no wipes

HT : 1/1

TOTAL SOLIDS BENCHSHEET

Method: PSEP 1986

(dry at 103-105 C)

Instrumentation

Batch:	BKL0483
Date:	12/19/2022 14:27
Analyst:	
Drying Oven:	015
Analytical Balance:	B139298002

Batch drying time

Record times as mm/dd/yy hh:mm

		Oven Temp, C
Date/time in oven:	12/21/22 12:50	105
Date/time out:	12/22/22 10:22	102
Elapsed hrs:	0.0	

TS (%) calculated as:

Final dry wt (g) = (Dry Wt - Tare Wt)

TS = (Final Dry Wt X 100)/ (sample & dish -dish tare)

Oven Temps, °C	
Start Temp:	105
End Temp:	102

SAMPLE ID	Dish Tare Wt (g)	Dish with Sample (g)	Dry Wt (g)	Solids Wt (g)	TS (%)	Sample Decanted
22L0307-21 B	0.80	12.59	8.59			~~No~~ yes
22L0307-22	0.81	12.45	8.30			~~No~~ yes
22L0307-23	0.81	11.31	7.71			No
22L0307-24	0.79	11.99	8.29			~~No~~ yes
22L0307-25	0.80	12.77	8.87			No
22L0307-26	0.80	12.39	9.73			No
22L0307-27	0.81	12.41	8.63			~~No~~ yes
22L0307-28 B	0.78	12.02	8.94			No
22L0307-29 C	0.80	12.31	7.17			~~No~~ yes
22L0307-30	0.79	11.32	6.83			No
22L0307-31	0.79	12.42	6.98			No
22L0307-32	0.79	12.01	7.44			No
22L0307-33	0.80	12.42	10.13			No
22L0307-34 C	0.81	11.90	9.66			No
22L0307-35 B	0.80	12.30	8.99			~~No~~ yes
22L0307-36	0.79	11.59	9.31			No
22L0307-37	0.80	11.90	7.13			No
22L0307-38	0.80	12.67	10.19			~~No~~ yes
22L0307-39	0.80	11.59	8.73			No
22L0307-40 B	0.80	11.67	8.86			No

T/S + Scans

1 copy

TOTAL SOLIDS BENCHSHEET

Method: PSEP 1986

(dry at 103-105 C)

Instrumentation

Batch:	BKL0483
Date:	12/19/2022 14:27
Analyst:	CR
Drying Oven:	15
Analytical Balance:	B139298002

Batch drying time

Record times as mm/dd/yy hh:mm

		Oven Temp, C
Date/time in oven:	12/21/2022 12:50	105
Date/time out:	12/22/2022 10:22	102
Elapsed hrs:	21.5	

TS (%) calculated as:

Final dry wt (g) = (Dry Wt - Tare Wt)

TS = (Final Dry Wt X 100)/ (sample & dish -dish tare)

Oven Temps, °C	
Start Temp:	105
End Temp:	102

SAMPLE ID	Dish Tare Wt (g)	Dish with Sample (g)	Dry Wt (g)	Solids Wt (g)	TS (%)	Sample Decanted
22L0307-21	0.8000	12.5900	8.5900	7.79	**66.07%**	Yes
22L0307-22	0.8100	12.4500	8.3000	7.49	**64.35%**	Yes
22L0307-23	0.8100	11.3100	7.7100	6.90	**65.71%**	No
22L0307-24	0.7900	11.9900	8.2900	7.50	**66.96%**	Yes
22L0307-25	0.8000	12.7700	8.8700	8.07	**67.42%**	No
22L0307-26	0.8000	12.3900	9.7300	8.93	**77.05%**	No
22L0307-27	0.8100	12.4100	8.6300	7.82	**67.41%**	Yes
22L0307-28	0.7800	12.0200	8.9400	8.16	**72.60%**	No
22L0307-29	0.8000	12.3100	7.1700	6.37	**55.34%**	Yes
22L0307-30	0.7900	11.3200	6.8300	6.04	**57.36%**	No
22L0307-31	0.7900	12.4200	6.9800	6.19	**53.22%**	No
22L0307-32	0.7900	12.0100	7.4400	6.65	**59.27%**	No
22L0307-33	0.8000	12.4200	10.1300	9.33	**80.29%**	No
22L0307-34	0.8100	11.9000	9.6600	8.85	**79.80%**	No
22L0307-35	0.8000	12.3000	8.9900	8.19	**71.22%**	Yes
22L0307-36	0.7900	11.5900	9.3100	8.52	**78.89%**	No
22L0307-37	0.8000	11.9000	7.1300	6.33	**57.03%**	No
22L0307-38	0.8000	12.6700	10.1900	9.39	**79.11%**	Yes
22L0307-39	0.8000	11.5900	8.7300	7.93	**73.49%**	No
22L0307-40	0.8000	11.6700	8.8600	8.06	**74.15%**	No

HF: 111

TOTAL SOLIDS BENCHSHEET

Method: PSEP 1986

(dry at 103-105 C)

Instrumentation

Batch: BKL0484

Date: 12/19/2022 14:29

Analyst: CR

Drying Oven: 015

Analytical Balance: B139298002

Batch drying time

Record times as mm/dd/yy hh:mm

			Oven Temp, C
Date/time in oven:	12/21/22	7:42	104
Date/time out:	12/22/22	10:38	103
Elapsed hrs:	0.0		

TS (%) calculated as:

Final dry wt (g) = (Dry Wt - Tare Wt)

TS = (Final Dry Wt X 100)/ (sample & dish -dish tare)

Oven Temps, °C

Start Temp: 104

End Temp: 103

SAMPLE ID	Dish Tare Wt (g)	Dish with Sample (g)	Dry Wt (g)	Solids Wt (g)	TS (%)	Sample Decanted
22L0307-41 B	0.80	11.47	8.35			~~No~~ yes
22L0307-42	0.79	11.44	8.73			No
22L0307-43	0.79	11.88	8.71			~~No~~ yes
22L0307-44	0.79	12.86	9.27			~~No~~ yes
22L0307-45	0.80	11.71	8.56			~~No~~ yes
22L0307-46	0.80	12.53	8.53			~~No~~ yes
22L0307-47	0.80	12.12	8.54			~~No~~ yes
22L0307-48	0.80	11.64	7.77			No
22L0307-49	0.80	12.08	9.07			No
22L0307-50	0.81	11.74	9.17			~~No~~ yes
22L0307-51	0.82	12.17	8.87			~~No~~ yes
22L0307-52	0.81	11.44	5.62			~~No~~ yes
22L0307-53	0.80	11.14	6.03			~~No~~ yes
22L0307-54	0.80	11.36	6.87			~~No~~ yes
22L0307-55	0.80	12.09	7.59			No
22L0307-56	0.80	11.17	7.33			No
22L0307-57	0.80	12.46	7.28			No
22L0307-58	0.81	11.80	8.40			No
22L0307-59	0.80	12.35	8.01			No
22L0307-60 B	0.81	12.16	7.42			No

T/S + Screens

1 copy

TOTAL SOLIDS BENCHSHEET

Method: PSEP 1986

(dry at 103-105 C)

Instrumentation

Batch:	BKL0484
Date:	12/19/2022 14:29
Analyst:	CR
Drying Oven:	15
Analytical Balance:	B139298002

Batch drying time

Record times as mm/dd/yy hh:mm

		Oven Temp, C	**TS (%) calculated as:**
Date/time in oven:	12/21/2022 17:42	104	Final dry wt (g) = (Dry Wt - Tare Wt)
Date/time out:	12/22/2022 10:38	103	TS = (Final Dry Wt X 100)/ (sample & dish -dish tare)
Elapsed hrs:	16.9		

Oven Temps, °C	
Start Temp:	104
End Temp:	103

SAMPLE ID	Dish Tare Wt (g)	Dish with Sample (g)	Dry Wt (g)	Solids Wt (g)	TS (%)	Sample Decanted
22L0307-41	0.8000	11.4700	8.3500	7.55	**70.76%**	Yes
22L0307-42	0.7900	11.4400	8.7300	7.94	**74.55%**	No
22L0307-43	0.7900	11.8800	8.7100	7.92	**71.42%**	Yes
22L0307-44	0.7900	12.8600	9.2700	8.48	**70.26%**	Yes
22L0307-45	0.8000	11.7100	8.5600	7.76	**71.13%**	Yes
22L0307-46	0.8000	12.5300	8.5300	7.73	**65.90%**	Yes
22L0307-47	0.8000	12.1200	8.5400	7.74	**68.37%**	Yes
22L0307-48	0.8000	11.6400	7.7700	6.97	**64.30%**	No
22L0307-49	0.8000	12.0800	9.0700	8.27	**73.32%**	No
22L0307-50	0.8100	11.7400	9.1700	8.36	**76.49%**	Yes
22L0307-51	0.8200	12.1700	8.8700	8.05	**70.93%**	Yes
22L0307-52	0.8100	11.4400	5.6200	4.81	**45.25%**	Yes
22L0307-53	0.8000	11.1400	6.0300	5.23	**50.58%**	Yes
22L0307-54	0.8000	11.3600	6.8700	6.07	**57.48%**	Yes
22L0307-55	0.8000	12.0900	7.5900	6.79	**60.14%**	No
22L0307-56	0.8000	11.1700	7.3300	6.53	**62.97%**	No
22L0307-57	0.8000	12.4600	7.2800	6.48	**55.57%**	No
22L0307-58	0.8100	11.8000	8.4000	7.59	**69.06%**	No
22L0307-59	0.8000	12.3500	8.0100	7.21	**62.42%**	No
22L0307-60	0.8100	12.1600	7.4200	6.61	**58.24%**	No

HT:1/1

TOTAL SOLIDS BENCHSHEET

Method: PSEP 1986

(dry at 103-105 C)

Instrumentation

Batch:	BKL0486
Date:	12/19/2022 14:32
Analyst:	CR
Drying Oven:	015
Analytical Balance:	B139298002

Batch drying time			
Record times as mm/dd/yy hh:mm			**Oven Temp, C**
Date/time in oven:	12/21/22	18:29	90
Date/time out:	12/22/22	10:47	103
Elapsed hrs:	0.0		

TS (%) calculated as:

Final dry wt (g) = (Dry Wt - Tare Wt)

TS = (Final Dry Wt X 100)/ (sample & dish -dish tare)

Oven Temps, °C	
Start Temp:	90
End Temp:	103

SAMPLE ID		Dish Tare Wt (g)	Dish with Sample (g)	Dry Wt (g)	Solids Wt (g)	TS (%)	Sample Decanted
22L0307-61	B	0.79	11.15	7.69			~~No~~ yes
22L0307-62	|	0.79	12.07	7.28			~~No~~ yes
22L0307-63	|	0.80	12.77	8.50			No
22L0307-64	|	0.80	12.35	7.79			No
22L0307-65	|	0.81	11.66	7.53			No
22L0307-66	B	0.80	11.75	7.85			~~No~~ yes

T/S + Screen
no copies

TOTAL SOLIDS BENCHSHEET

Method: PSEP 1986

(dry at 103-105 C)

Instrumentation

Batch:	BKL0486
Date:	12/19/2022 14:32
Analyst:	CR
Drying Oven:	15
Analytical Balance:	B139298002

Batch drying time Record times as mm/dd/yy hh:mm			Oven Temp, C	TS (%) calculated as:
Date/time in oven:	12/21/2022 18:29		90	Final dry wt (g) = (Dry Wt - Tare Wt)
Date/time out:	12/22/2022 10:47		103	TS = (Final Dry Wt X 100)/ (sample & dish -dish tare)
Elapsed hrs:	16.3			

Oven Temps, °C	
Start Temp:	90
End Temp:	103

SAMPLE ID	Dish Tare Wt (g)	Dish with Sample (g)	Dry Wt (g)	Solids Wt (g)	TS (%)	Sample Decanted
22L0307-61	0.7900	11.1500	7.6900	6.90	**66.60%**	Yes
22L0307-62	0.7900	12.0700	7.2800	6.49	**57.54%**	Yes
22L0307-63	0.8000	12.7700	8.5000	7.70	**64.33%**	No
22L0307-64	0.8000	12.3500	7.7900	6.99	**60.52%**	No
22L0307-65	0.8100	11.6600	7.5300	6.72	**61.94%**	No
22L0307-66	0.8000	11.7500	7.8500	7.05	**64.38%**	Yes